



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-PM0911
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 Sep. 14, 2015. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

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

SPORTON INTERNATIONAL INC.

TEL : 886-3-327-3456

FAX : 886-3-328-4978

FCC ID : PY7-PM0911

Page Number : 1 of 47

Report Issued Date : Sep. 30, 2015

Report Version : Rev. 01

Report Template No.: BU5-FR15EWLAC MA Version 1.0



TABLE OF CONTENTS

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer	5
1.3 Feature of Equipment Under Test	5
1.4 Modification of EUT	6
1.5 Testing Location	6
1.6 Applicable Standards	7
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	8
2.1 Carrier Frequency and Channel	9
2.2 Pre-Scanned RF Power	10
2.3 Test Mode	19
2.4 Connection Diagram of Test System	22
2.5 Support Unit used in test configuration and system	23
2.6 EUT Operation Test Setup	23
2.7 Measurement Results Explanation Example	23
3 TEST RESULT	24
3.1 26dB & 99% Occupied Bandwidth Measurement	24
3.2 Maximum Conducted Output Power Measurement	26
3.3 Power Spectral Density Measurement	30
3.4 Unwanted Emissions Measurement	32
3.5 AC Conducted Emission Measurement	37
3.6 Frequency Stability Measurement	41
3.7 Automatically Discontinue Transmission	42
3.8 Antenna Requirements	43
4 LIST OF MEASURING EQUIPMENT	45
5 UNCERTAINTY OF EVALUATION	47
APPENDIX A. CONDUCTED TEST RESULTS	
APPENDIX B. RADIATED TEST RESULTS	
APPENDIX C. RADIATED SPURIOUS EMISSION	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR571621F	Rev. 01	Initial issue of report	Sep. 30, 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	≤ 24 dBm (depend on band)	Pass	-
3.3	15.407(a)	Power Spectral Density	≤ 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 4.50 dB at 5470.000 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 19.40 dB at 13.720 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	-

Note: The FCC ID: PY7-PM0910 and FCC ID: PY7-PM0911 is similar device, in this report only conducted test result is referred to PY7-PM0910, Sporton Report No: FR571620F.

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 : -2.10 dBi Aux. Antenna : -6.00 dBi <5250 MHz ~ 5350 MHz> Main Antenna : -2.10 dBi Aux. Antenna : -6.00 dBi <5470 MHz ~ 5725 MHz> Main Antenna : -3.50 dBi Aux. Antenna : -6.50 dBi

EUT Information List				
IMEI	HW Version	SW Version	S/N	Performed Test Item
004402541723270	A	32.0.B.0.233	CB5A27R41W	RF conducted measurement
004402455444905		32.0.A.0.323	CB5A27SPBF	Radiated Spurious Emission
004402455447593			CB5A27SPLZ	Conducted Emission

Accessory List	
AC Adapter	Model No. : UCH20
	Type No. : AC-0061-US
	S/N : 5815W22500089 (for radiated spurious emission) 5815W22500112 (for conducted emission)
Earphone	Model No. : MDR-NC750
	Type No. : AG-0020
USB Cable	Model No. : UCB11
	Type No. : AI-0120
	S/N : 1015W02400014C (for radiated spurious emission) 1522A7370000074 (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	03CH07-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 (Z 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)	9.14	8.68	8.79
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	8.82	8.90	8.77
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	8.89	8.93	8.44

5GHz 802.11n HT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	9.38	8.82	8.87
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	8.83	9.08	9.04
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.16	9.10	8.96



5GHz 802.11n HT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.03	8.53	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	9.04	8.78	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	8.66	9.00	9.41

5GHz 802.11ac VHT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	9.40	8.85	9.05
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	8.93	9.14	9.03
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.21	9.18	8.99



5GHz 802.11ac VHT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.24	8.64	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	8.82	8.34	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	8.80	9.09	9.16

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)	9.12	9.03	9.30	9.13

**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)	9.89	9.88	9.88
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	9.88	9.86	9.83
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.44	8.89	8.81

5GHz 802.11n HT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	9.79	9.77	9.76
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	9.58	9.70	9.76
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.03	9.23	8.91



5GHz 802.11n HT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.74	9.89	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	9.72	9.72	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	9.16	9.29	9.01

5GHz 802.11ac VHT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	9.86	9.87	9.80
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	9.85	9.54	9.64
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	9.08	8.90	8.95



5GHz 802.11ac VHT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	9.87	9.78	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	9.70	9.76	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	9.34	9.13	9.01

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)	9.94	9.87	9.59	9.45

**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)	12.55	12.36	12.42
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	12.45	12.47	12.41
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	12.20	11.98	11.71

5GHz 802.11n HT20 mode			
Data Rate (MHz)	MCS8		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	12.72	12.41	12.49
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	12.26	12.45	12.52
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	12.18	12.28	11.99



5GHz 802.11n HT40 mode			
Data Rate (MHz)	MCS8		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	12.70	12.32	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	12.41	12.44	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	12.01	12.17	12.25

5GHz 802.11ac VHT20 mode			
Data Rate (MHz)	MCS0		
Channel	CH 36	CH 44	CH 48
Frequency	5180	5220	5240
Average Power (dBm)	12.68	12.48	12.47
Channel	CH 52	CH 60	CH 64
Frequency	5260	5300	5320
Average Power (dBm)	12.48	12.43	12.42
Channel	CH 100	CH 116	CH 140
Frequency	5500	5580	5700
Average Power (dBm)	12.16	12.12	12.04



5GHz 802.11ac VHT40 mode			
Data Rate (MHz)	MCS0		
Channel	CH 38	CH 46	
Frequency	5190	5230	
Average Power (dBm)	12.63	12.29	
Channel	CH 54	CH 62	
Frequency	5270	5310	
Average Power (dBm)	12.38	12.22	
Channel	CH 102	CH 110	CH 134
Frequency	5510	5550	5670
Average Power (dBm)	12.06	12.14	12.11

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)	12.58	12.51	12.47	12.39

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

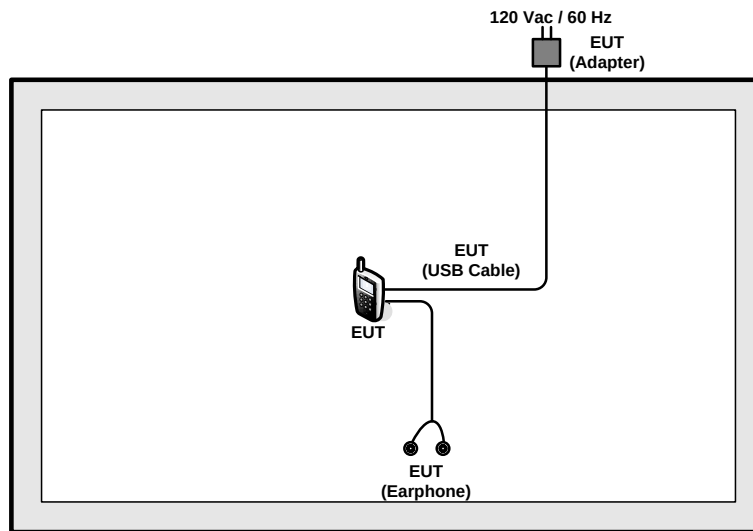
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT40	802.11ac VHT40	802.11ac VHT40
L	Low	38	54	102
M	Middle	-	-	110
H	High	46	62	134



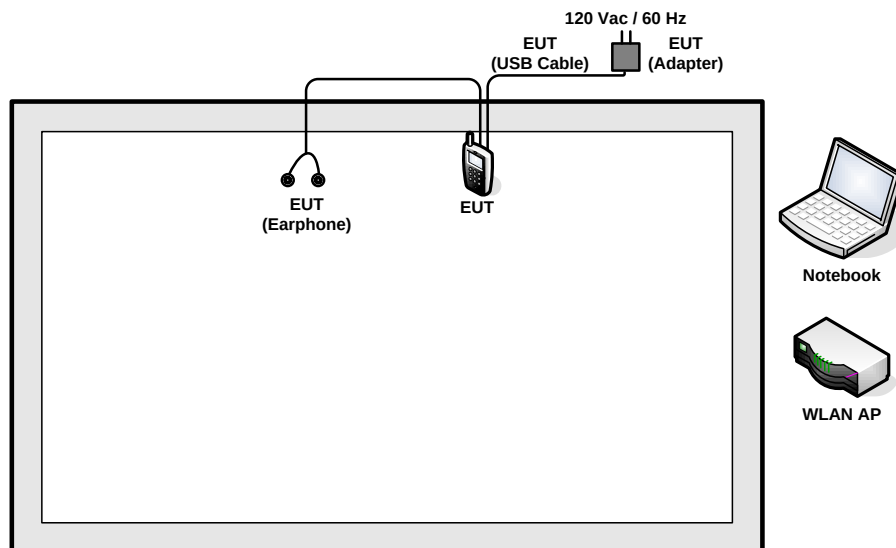
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	-
M	Middle	42	58	106
H	High	-	-	-
Straddle Band		-	-	138

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	IO-Data	WN-AC733GR	N/A	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.6 EUT Operation Test Setup

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

2.7 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

= 4.2 + 10 = 14.2 (dB)

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

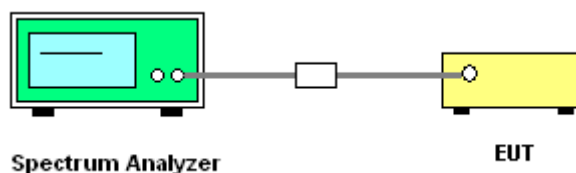
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

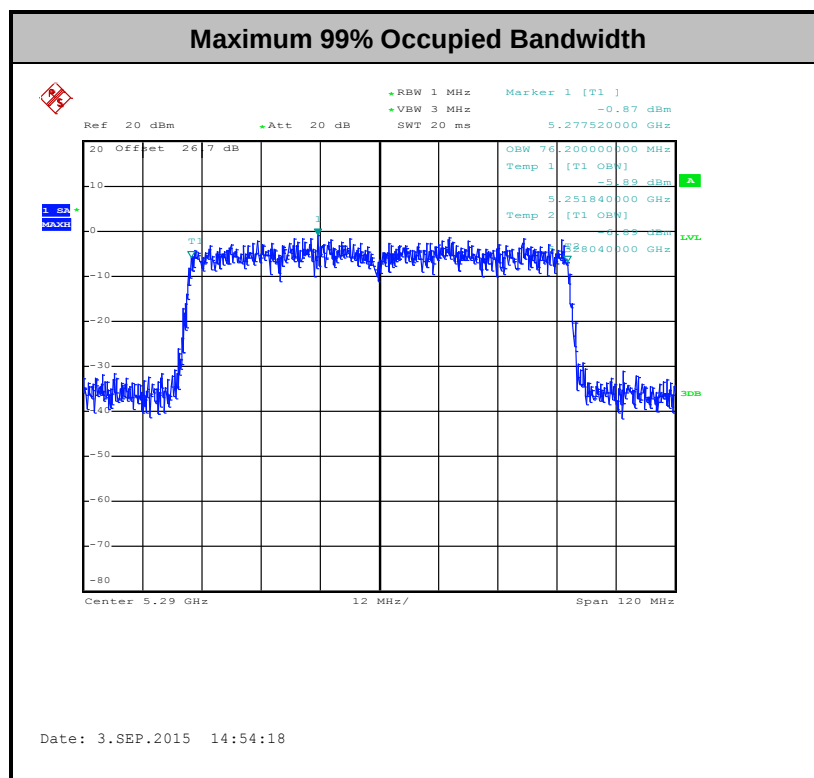
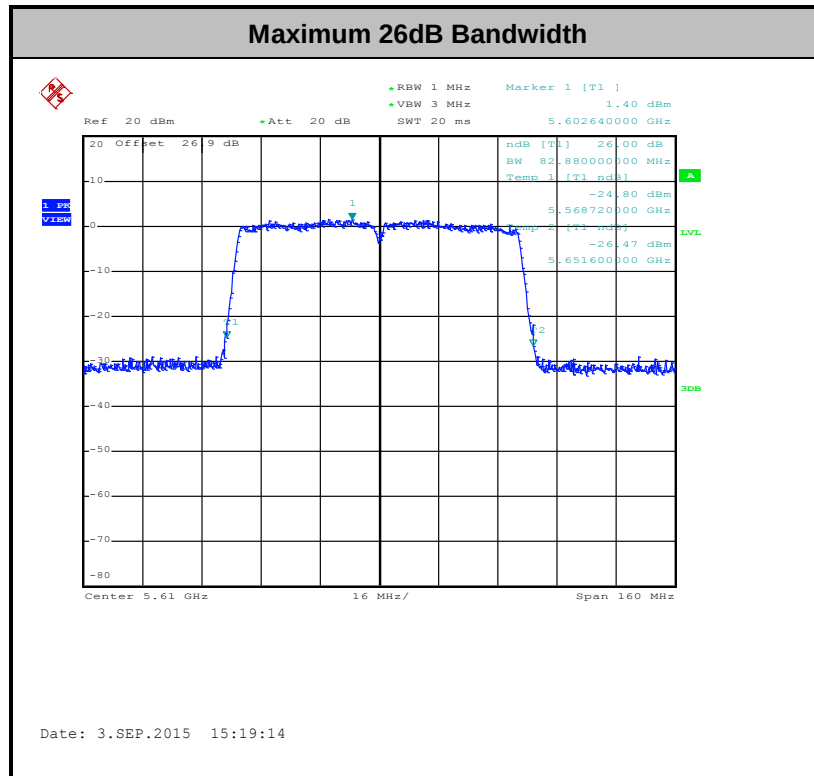
3.1.4 Test Setup





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

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):

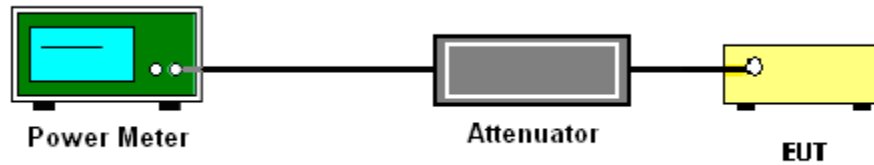
1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x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

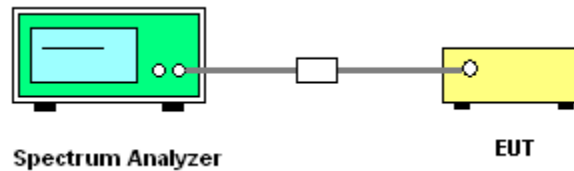
Compute power by integrating the spectrum across the 99% occupied bandwidth of the signal using the instrument's band power measurement function.

3.2.4 Test Setup

For normal channel:



For straddle channel:



3.2.5 Test Result of Maximum Conducted Output Power

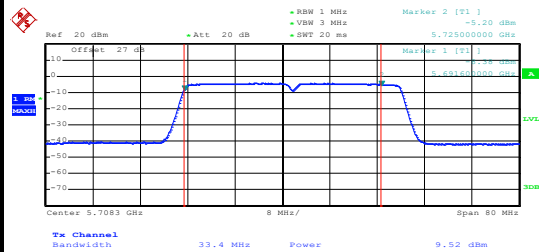
Please refer to Appendix A.



Maximum Straddle Channel Power

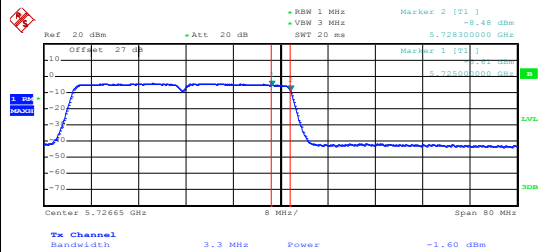
Ant. 1

NII-2C Band



Date: 28.AUG.2015 22:45:01

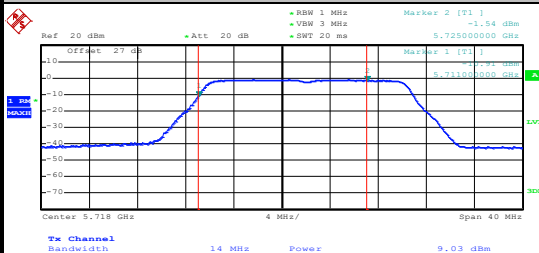
DTS Band



Date: 28.AUG.2015 23:33:12

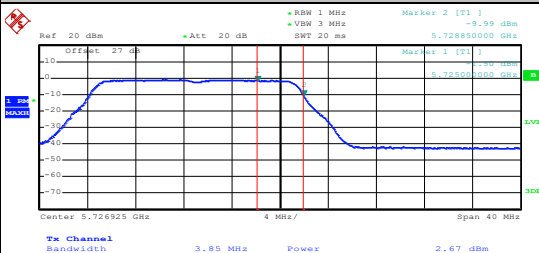
Ant. 2

NII-2C Band



Date: 28.AUG.2015 21:59:49

DTS Band

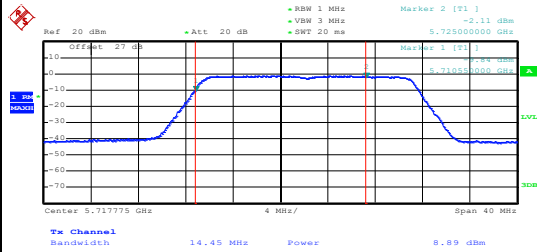


Date: 28.AUG.2015 23:12:18



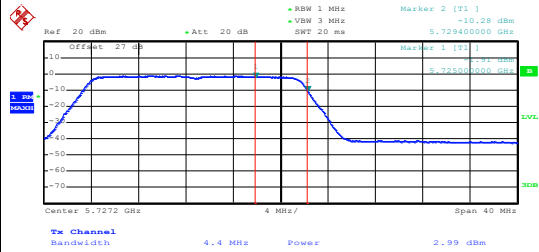
MIMO Ant. 1+2 (1)

NII-2C Band



Date: 28.AUG.2015 22:33:10

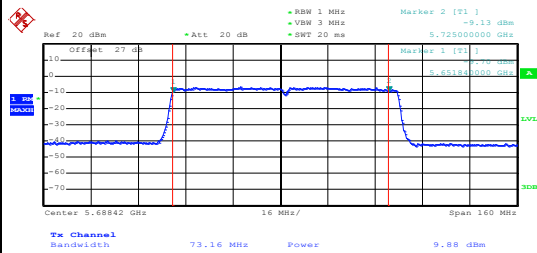
DTS Band



Date: 28.AUG.2015 23:27:28

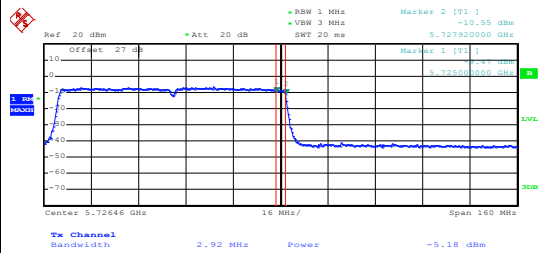
MIMO Ant. 1+2 (2)

NII-2C Band



Date: 29.AUG.2015 00:59:28

DTS Band



Date: 29.AUG.2015 01:01:14

3.3 Power Spectral Density Measurement

3.3.1 Limit of Power Spectral Density

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).

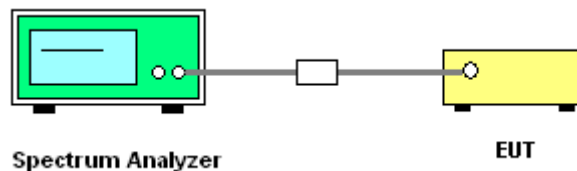
1. The testing follows Method SA-2 of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01.
 - Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 -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

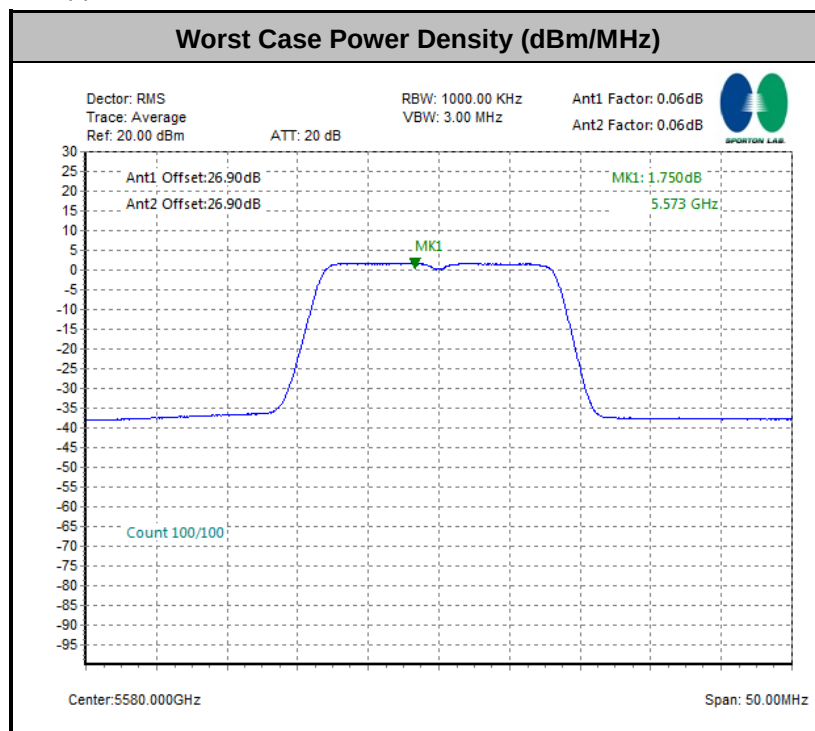
The total final Power Spectral Density is from a device with 2 transmitter outputs. The spectrum measurements of the individual outputs are all performed with the same span and number of points, the spectrum value in the first spectral bin of output 1 is summed with that in the first spectral bin of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

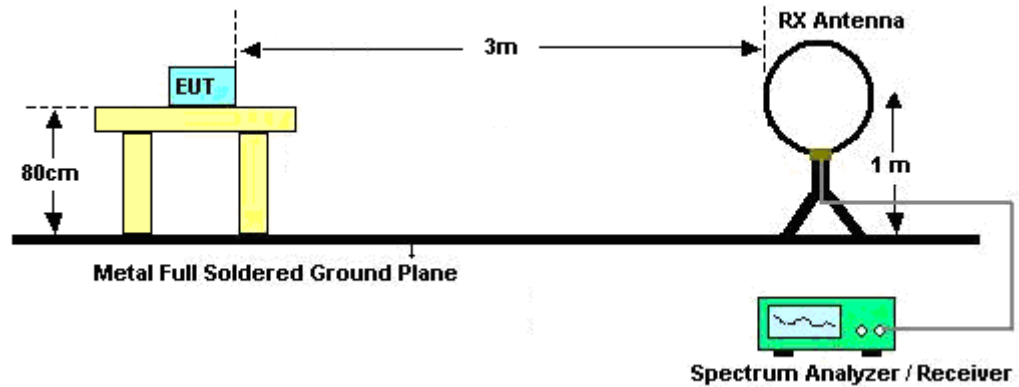
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- $VBW \geq 1/T$, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	802.11a for Ant 1	98.73	-	-	10Hz
1+2	802.11a for Ant 2	98.73	-	-	
1+2	802.11n HT20 for Ant 1	98.01	-	-	
1+2	802.11n HT20 for Ant 2	98.01	-	-	
1+2	802.11n HT40 for Ant 1	96.80	726.00	1.38	2kHz
1+2	802.11n HT40 for Ant 2	96.80	726.00	1.38	
1+2	802.11ac VHT80 for Ant 1	93.75	360.00	2.78	3kHz
1+2	802.11ac VHT80 for Ant 2	93.75	360.00	2.78	

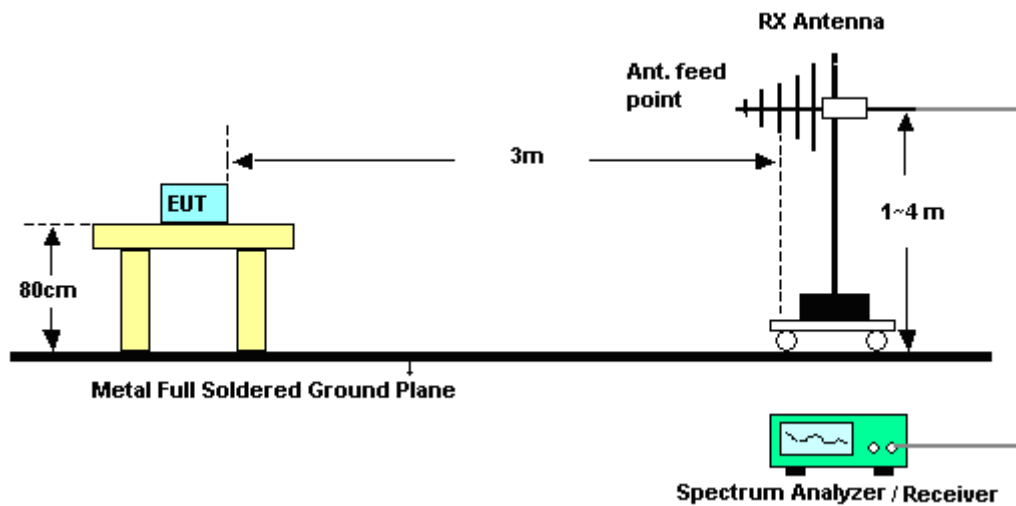
- The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
- The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The antenna is a broadband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

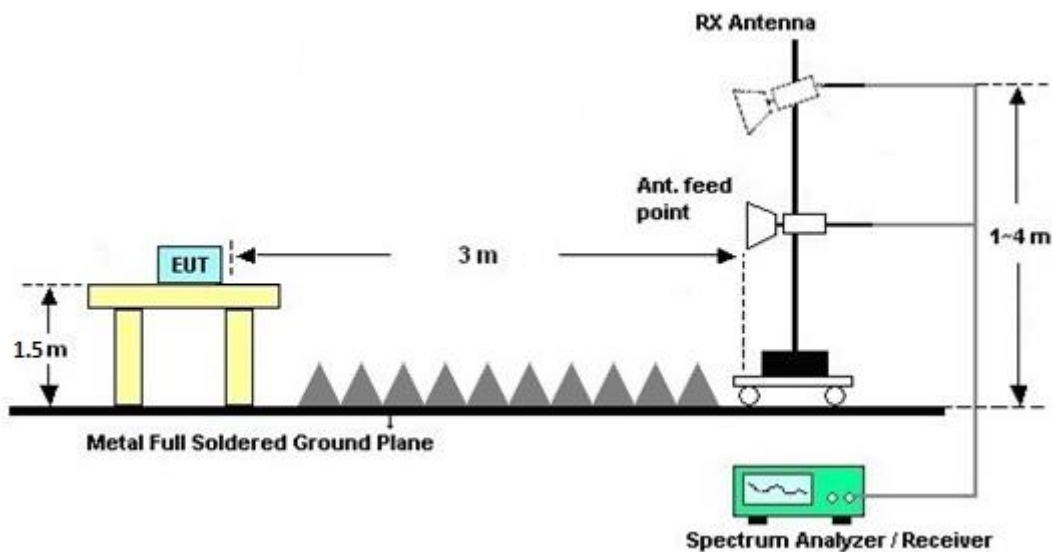
For radiated emissions below 30MHz



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 B and Appendix C.

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

Please refer to Appendix B and Appendix C.

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.

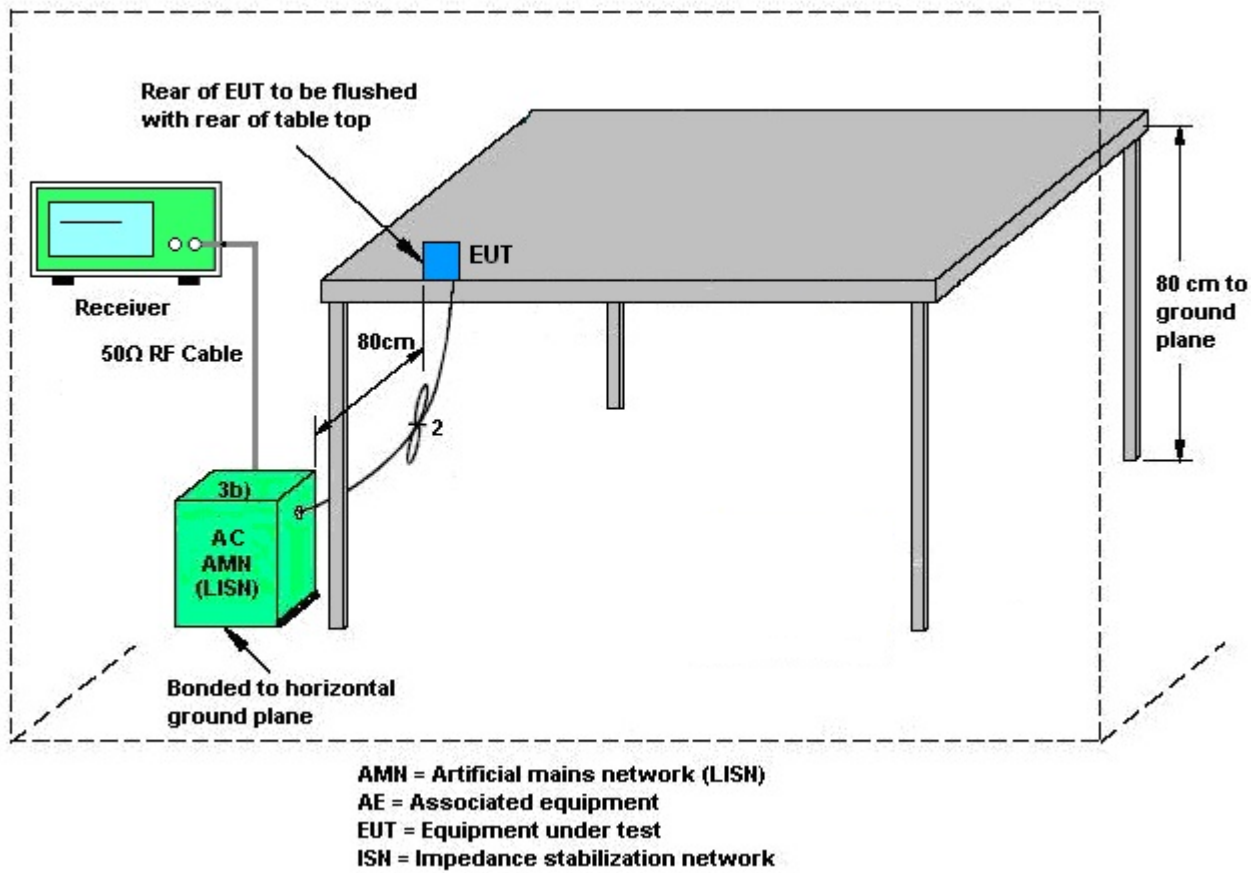
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

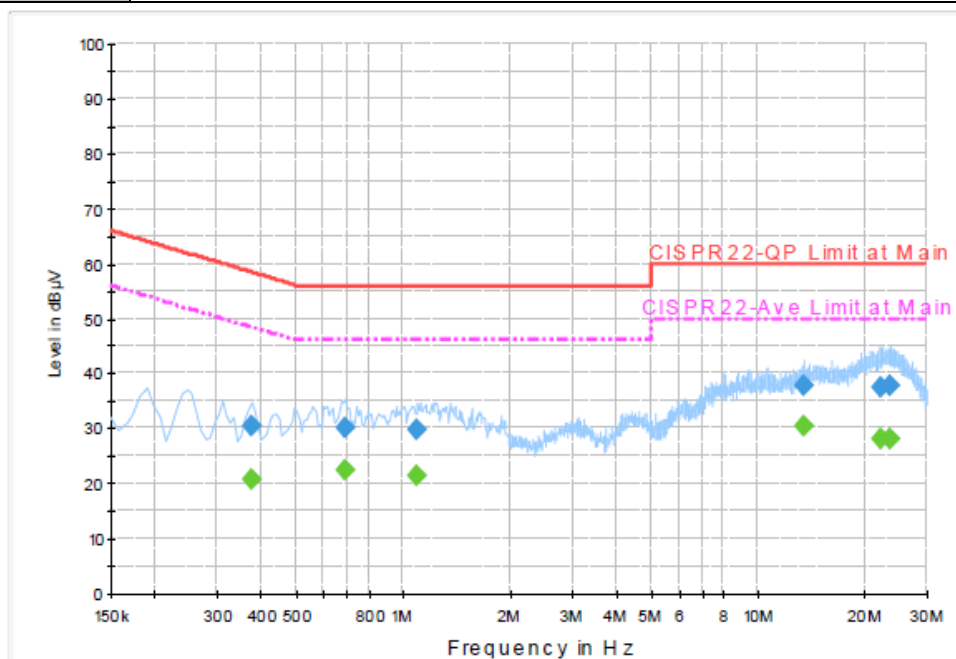
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
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



3.5.5 Test Result of AC Conducted Emission

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



Final Result : QuasiPeak

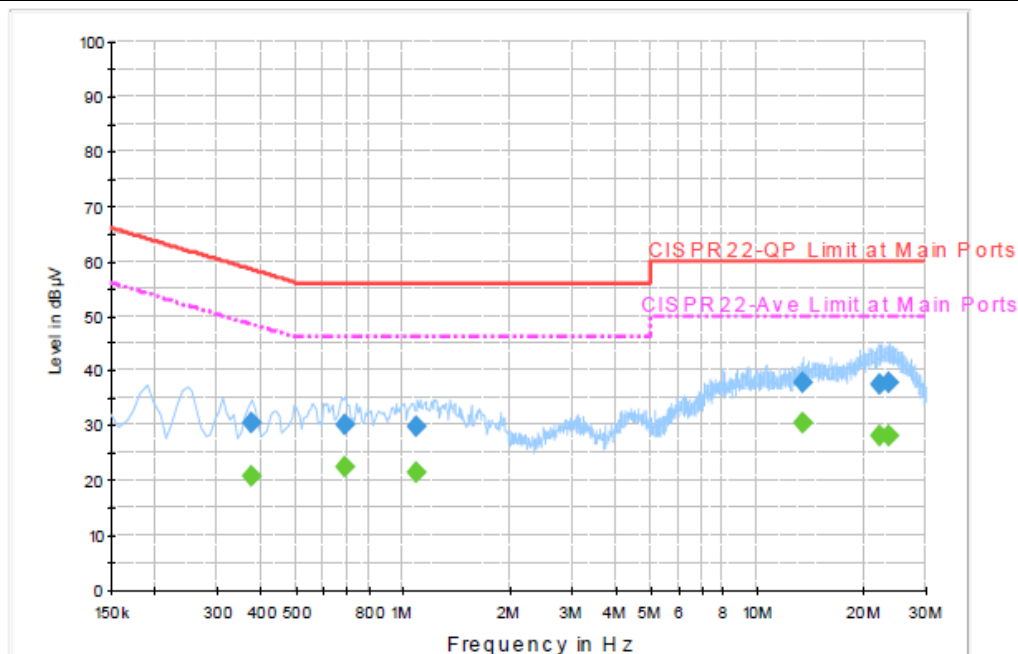
Frequency (MHz)	QuasiPeak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.190000	33.3	Off	L1	19.5	30.7	64.0
0.246000	32.3	Off	L1	19.5	29.6	61.9
0.374000	30.4	Off	L1	19.6	28.0	58.4
1.126000	27.8	Off	L1	19.6	28.2	56.0
8.718000	30.3	Off	L1	19.8	29.7	60.0
23.974000	29.6	Off	L1	19.9	30.4	60.0

Final Result : Average

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.190000	24.1	Off	L1	19.5	29.9	54.0
0.246000	21.5	Off	L1	19.5	30.4	51.9
0.374000	21.3	Off	L1	19.6	27.1	48.4
1.126000	19.9	Off	L1	19.6	26.1	46.0
8.718000	22.4	Off	L1	19.8	27.6	50.0
23.974000	23.9	Off	L1	19.9	26.1	50.0



Test Mode :	Mode 1	Temperature :	23~25°C
Test Engineer :	Derreck Chen	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	30.4	Off	N	19.6	28.0	58.4
0.686000	30.0	Off	N	19.6	26.0	56.0
1.102000	29.7	Off	N	19.5	26.3	56.0
13.720000	37.8	Off	N	19.9	22.2	60.0
22.214000	37.6	Off	N	20.1	22.4	60.0
23.782000	37.8	Off	N	20.0	22.2	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.374000	20.9	Off	N	19.6	27.5	48.4
0.686000	22.5	Off	N	19.6	23.5	46.0
1.102000	21.5	Off	N	19.5	24.5	46.0
13.720000	30.6	Off	N	19.9	19.4	50.0
22.214000	28.1	Off	N	20.1	21.9	50.0
23.782000	28.2	Off	N	20.0	21.8	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.

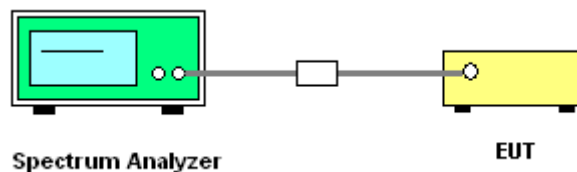
3.6.2 Measuring Instruments

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	-2.10	-6.00	-0.82	-0.82	0.00	0.00
Band II	-2.10	-6.00	-0.82	-0.82	0.00	0.00
Band III	-3.50	-6.50	-1.86	-1.86	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	Aug. 23, 2015 ~ Sep. 09, 2015	Oct. 17, 2015	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jun. 18, 2015	Aug. 23, 2015 ~ Sep. 09, 2015	Jun. 17, 2016	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1126017	300MHz~40GHz	Oct. 18, 2014	Aug. 23, 2015 ~ Sep. 09, 2015	Oct. 17, 2015	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30°C~95°C	Jun. 15, 2015	Aug. 23, 2015 ~ Sep. 09, 2015	Jun. 14, 2016	Conducted (TH05-HY)
Hygrometer	Testo	608-H1	34897199	N/A	May 04, 2015	Aug. 23, 2015 ~ Sep. 09, 2015	May 03, 2016	Conducted (TH05-HY)
RF Cable	HARBOUR INDUSTRIES	LL142	Infinet CA3601-3601-DLL	0.1MHz~40GHz	Mar. 06, 2015	Aug. 23, 2015 ~ Sep. 09, 2015	Mar. 05, 2016	Conducted (TH05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100356	9kHz ~ 2.75GHz	Dec. 01, 2014	Sep. 08, 2015	Nov. 30, 2015	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Apr. 20, 2015	Sep. 08, 2015	Apr. 19, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2014	Sep. 08, 2015	Dec. 01, 2015	Conduction (CO05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 08, 2015	N/A	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 07, 2015	Sep. 08, 2015	Jan. 06, 2016	Conduction (CO05-HY)
Test Software	N/A	EMC32	8.40.0	N/A	N/A	Sep. 08, 2015	N/A	Conduction (CO05-HY)
Bilog Antenna	Schaffner	CBL6111C	2726	30MHz ~ 1GHz	Sep. 27, 2014	Sep. 07, 2015 ~ Sep. 14, 2015	Sep. 26, 2015	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Aug. 21, 2015	Sep. 07, 2015 ~ Sep. 14, 2015	Aug. 20, 2016	Radiation (03CH07-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	Feb. 02, 2015	Sep. 07, 2015 ~ Sep. 14, 2015	Feb. 01, 2016	Radiation (03CH07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 25, 2015	Sep. 07, 2015 ~ Sep. 14, 2015	Aug. 24, 2016	Radiation (03CH07-HY)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170584	18GHz- 40GHz	Nov. 03, 2014	Sep. 07, 2015 ~ Sep. 14, 2015	Nov. 02, 2015	Radiation (03CH07-HY)
Hygrometer	Testo	608-H1	34897197	N/A	May 04, 2015	Sep. 07, 2015 ~ Sep. 14, 2015	May 03, 2016	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz ~ 18GHz	Apr. 20, 2015	Sep. 07, 2015 ~ Sep. 14, 2015	Apr. 19, 2016	Radiation (03CH07-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz-1000MHz	Mar. 12, 2015	Sep. 07, 2015 ~ Sep. 14, 2015	Mar. 11, 2016	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Oct. 21, 2014	Sep. 07, 2015 ~ Sep. 14, 2015	Oct. 20, 2015	Radiation (03CH07-HY)
Controller	ChainTek	Chaintek 3000	N/A	Control Turn table	N/A	Sep. 07, 2015 ~ Sep. 14, 2015	N/A	Radiation (03CH07-HY)
Controller	Max-Full	MF7802	MF780208368	Control Ant Mast	N/A	Sep. 07, 2015 ~ Sep. 14, 2015	N/A	Radiation (03CH07-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Sep. 07, 2015 ~ Sep. 14, 2015	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 degree	N/A	Sep. 07, 2015 ~ Sep. 14, 2015	N/A	Radiation (03CH07-HY)
Preamplifier	MITEQ	JS44-1800400 0-33-8P	1840917	18GHz ~ 40GHz	Jun. 02, 2015	Sep. 07, 2015 ~ Sep. 14, 2015	Jun. 01, 2016	Radiation (03CH07-HY)
Signal Analyzer	Rohde & Schwarz	FSV 30	101749	10Hz~30GHz	Mar. 10, 2015	Sep. 07, 2015 ~ Sep. 14, 2015	Mar. 09, 2016	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY84209521	1GHz~40GHz	Dec. 04, 2014	Sep. 07, 2015 ~ Sep. 14, 2015	Dec. 03, 2015	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY84209521	9KHz~1GHz	Dec. 04, 2014	Sep. 07, 2015 ~ Sep. 14, 2015	Dec. 03, 2015	Radiation (03CH07-HY)
Test Software	Audix	E3	6.2009-8-24	N/A	N/A	Sep. 07, 2015 ~ Sep. 14, 2015	N/A	Radiation (03CH07-HY)
Filter	Wainwright	WLKS4500-8S S	SN19	4.5G Low Pass	Oct. 01, 2014	Sep. 07, 2015 ~ Sep. 14, 2015	Sep. 30, 2015	Radiation (03CH07-HY)
Filter	Microwave Circuits	H07G18G3	SN8009-01	7GHz HPF	Oct. 01, 2014	Sep. 07, 2015 ~ Sep. 14, 2015	Sep. 30, 2015	Radiation (03CH07-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.26
---	------

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.5
---	-----



Appendix A. Conducted Test Results

Test Engineer:	Tommy Lee	Temperature:	21~25	°C
Test Date:	2015/08/23 ~ 2015/09/09	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band I													
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	2	36	5180	18.20	18.35	23.00	23.20	-	-	22.60	-	
11a	6Mbps	2	44	5220	18.35	18.10	23.00	22.75	-	-	22.58	-	
11a	6Mbps	2	48	5240	17.25	17.20	20.60	20.35	-	-	22.36	-	
HT20	MCS8	2	36	5180	19.10	18.85	23.25	23.25	-	-	22.75	-	
HT20	MCS8	2	44	5220	19.05	18.90	23.35	23.05	-	-	22.76	-	
HT20	MCS8	2	48	5240	18.05	18.05	20.80	20.80	-	-	22.56	-	
HT40	MCS8	2	38	5190	36.80	36.80	41.76	41.49	-	-	23.01	-	
HT40	MCS8	2	46	5230	36.70	36.70	41.49	41.49	-	-	23.01	-	
VHT20	MCS0	2	36	5180	18.80	18.85	23.20	23.20	-	-	22.74	-	
VHT20	MCS0	2	44	5220	18.70	18.95	23.25	23.25	-	-	22.72	-	
VHT20	MCS0	2	48	5240	18.00	18.00	21.00	20.85	-	-	22.55	-	
VHT40	MCS0	2	38	5190	36.70	36.70	41.58	41.40	-	-	23.01	-	
VHT40	MCS0	2	46	5230	36.70	36.80	41.58	41.40	-	-	23.01	-	
VHT80	MCS0	2	42	5210	75.84	75.84	82.88	82.24	-	-	23.01	-	

TEST RESULTS DATA
Average Power Table

FCC Band I														
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Conducted Power (dBm)			FCC Conducted Power Limit (dBm)		DG (dBi)		Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2	
11a	6Mbps	1	36	5180	0.08	0.08	9.14	9.89		24.00	24.00	-2.10	-6.00	Pass
11a	6Mbps	1	44	5220	0.08	0.08	8.68	9.88		24.00	24.00	-2.10	-6.00	Pass
11a	6Mbps	1	48	5240	0.08	0.08	8.79	9.88		24.00	24.00	-2.10	-6.00	Pass
HT20	MCS0	1	36	5180	0.09	0.09	9.38	9.79		24.00	24.00	-2.10	-6.00	Pass
HT20	MCS0	1	44	5220	0.09	0.09	8.82	9.77		24.00	24.00	-2.10	-6.00	Pass
HT20	MCS0	1	48	5240	0.09	0.09	8.87	9.76		24.00	24.00	-2.10	-6.00	Pass
HT40	MCS0	1	38	5190	0.18	0.18	9.03	9.74		24.00	24.00	-2.10	-6.00	Pass
HT40	MCS0	1	46	5230	0.18	0.18	8.53	9.89		24.00	24.00	-2.10	-6.00	Pass
VHT20	MCS0	1	36	5180	0.09	0.09	9.40	9.86		24.00	24.00	-2.10	-6.00	Pass
VHT20	MCS0	1	44	5220	0.09	0.09	8.85	9.87		24.00	24.00	-2.10	-6.00	Pass
VHT20	MCS0	1	48	5240	0.09	0.09	9.05	9.80		24.00	24.00	-2.10	-6.00	Pass
VHT40	MCS0	1	38	5190	0.18	0.15	9.24	9.87		24.00	24.00	-2.10	-6.00	Pass
VHT40	MCS0	1	46	5230	0.18	0.15	8.64	9.78		24.00	24.00	-2.10	-6.00	Pass
VHT80	MCS0	1	42	5210	0.31	0.31	9.12	9.94		24.00	24.00	-2.10	-6.00	Pass
11a	6Mbps	2	36	5180	0.06	0.06	9.15	9.90	12.55	24.00		-0.82		Pass
11a	6Mbps	2	44	5220	0.06	0.06	8.74	9.90	12.36	24.00		-0.82		Pass
11a	6Mbps	2	48	5240	0.06	0.06	8.89	9.89	12.42	24.00		-0.82		Pass
HT20	MCS8	2	36	5180	0.09	0.09	9.41	9.99	12.72	24.00		-0.82		Pass
HT20	MCS8	2	44	5220	0.09	0.09	8.90	9.86	12.41	24.00		-0.82		Pass
HT20	MCS8	2	48	5240	0.09	0.09	8.92	9.98	12.49	24.00		-0.82		Pass
HT40	MCS8	2	38	5190	0.14	0.14	9.36	9.99	12.70	24.00		-0.82		Pass
HT40	MCS8	2	46	5230	0.14	0.14	8.53	9.97	12.32	24.00		-0.82		Pass
VHT20	MCS0	2	36	5180	0.09	0.09	9.47	9.87	12.68	24.00		-0.82		Pass
VHT20	MCS0	2	44	5220	0.09	0.09	8.92	9.96	12.48	24.00		-0.82		Pass
VHT20	MCS0	2	48	5240	0.09	0.09	9.06	9.83	12.47	24.00		-0.82		Pass
VHT40	MCS0	2	38	5190	0.12	0.12	9.24	9.97	12.63	24.00		-0.82		Pass
VHT40	MCS0	2	46	5230	0.12	0.12	8.65	9.83	12.29	24.00		-0.82		Pass
VHT80	MCS0	2	42	5210	0.28	0.28	9.15	9.95	12.58	24.00		-0.82		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	0.06	0.06			1.58	11.00	-0.82			Pass
11a	6Mbps	2	44	5220	0.06	0.06			0.89	11.00	-0.82			Pass
11a	6Mbps	2	48	5240	0.06	0.06			0.51	11.00	-0.82			Pass
HT20	MCS8	2	36	5180	0.09	0.09			1.28	11.00	-0.82			Pass
HT20	MCS8	2	44	5220	0.09	0.09			0.48	11.00	-0.82			Pass
HT20	MCS8	2	48	5240	0.09	0.09			0.04	11.00	-0.82			Pass
HT40	MCS8	2	38	5190	0.14	0.14			-1.39	11.00	-0.82			Pass
HT40	MCS8	2	46	5230	0.14	0.14			-1.97	11.00	-0.82			Pass
VHT20	MCS0	2	36	5180	0.09	0.09			1.59	11.00	-0.82			Pass
VHT20	MCS0	2	44	5220	0.09	0.09			0.94	11.00	-0.82			Pass
VHT20	MCS0	2	48	5240	0.09	0.09			0.53	11.00	-0.82			Pass
VHT40	MCS0	2	38	5190	0.12	0.12			-1.44	11.00	-0.82			Pass
VHT40	MCS0	2	46	5230	0.12	0.12			-2.14	11.00	-0.82			Pass
VHT80	MCS0	2	42	5210	0.28	0.28			-4.52	11.00	-0.82			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	17.25	17.30	20.65	20.35	23.37		29.37		23.98		
11a	6Mbps	2	60	5300	18.35	18.30	22.90	22.75	23.62		29.62		23.98		
11a	6Mbps	2	64	5320	18.30	18.10	23.10	22.65	23.58		29.58		23.98		
HT20	MCS8	2	52	5260	18.00	18.10	20.90	20.80	23.55		29.55		23.98		
HT20	MCS8	2	60	5300	18.90	19.00	23.30	23.15	23.76		29.76		23.98		
HT20	MCS8	2	64	5320	19.15	18.95	23.30	23.20	23.78		29.78		23.98		
HT40	MCS8	2	54	5270	36.70	36.70	41.58	41.49	23.98		30.00		23.98		
HT40	MCS8	2	62	5310	36.80	36.80	41.85	41.13	23.98		30.00		23.98		
VHT20	MCS0	2	52	5260	18.05	18.10	20.95	20.75	23.56		29.56		23.98		
VHT20	MCS0	2	60	5300	19.05	18.80	23.30	23.05	23.74		29.74		23.98		
VHT20	MCS0	2	64	5320	19.05	18.90	23.40	23.15	23.76		29.76		23.98		
VHT40	MCS0	2	54	5270	36.80	36.80	41.76	41.31	23.98		30.00		23.98		
VHT40	MCS0	2	62	5310	36.70	36.70	41.58	41.31	23.98		30.00		23.98		
VHT80	MCS0	2	58	5290	76.20	76.08	82.88	82.24	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	8.82	9.88		23.98	23.98	-2.10	-6.00	Pass
11a	6Mbps	1	60	5300	0.08	0.08	8.90	9.86		23.98	23.98	-2.10	-6.00	Pass
11a	6Mbps	1	64	5320	0.08	0.08	8.77	9.83		23.98	23.98	-2.10	-6.00	Pass
HT20	MCS0	1	52	5260	0.09	0.09	8.83	9.58		23.98	23.98	-2.10	-6.00	Pass
HT20	MCS0	1	60	5300	0.09	0.09	9.08	9.70		23.98	23.98	-2.10	-6.00	Pass
HT20	MCS0	1	64	5320	0.09	0.09	9.04	9.76		23.98	23.98	-2.10	-6.00	Pass
HT40	MCS0	1	54	5270	0.18	0.18	9.04	9.72		23.98	23.98	-2.10	-6.00	Pass
HT40	MCS0	1	62	5310	0.18	0.18	8.78	9.72		23.98	23.98	-2.10	-6.00	Pass
VHT20	MCS0	1	52	5260	0.09	0.09	8.93	9.85		23.98	23.98	-2.10	-6.00	Pass
VHT20	MCS0	1	60	5300	0.09	0.09	9.14	9.54		23.98	23.98	-2.10	-6.00	Pass
VHT20	MCS0	1	64	5320	0.09	0.09	9.03	9.64		23.98	23.98	-2.10	-6.00	Pass
VHT40	MCS0	1	54	5270	0.18	0.15	8.82	9.70		23.98	23.98	-2.10	-6.00	Pass
VHT40	MCS0	1	62	5310	0.18	0.15	8.34	9.76		23.98	23.98	-2.10	-6.00	Pass
VHT80	MCS0	1	58	5290	0.31	0.31	9.03	9.87		23.98	23.98	-2.10	-6.00	Pass
11a	6Mbps	2	52	5260	0.06	0.06	8.83	9.99	12.45	23.98		-0.82		Pass
11a	6Mbps	2	60	5300	0.06	0.06	8.93	9.94	12.47	23.98		-0.82		Pass
11a	6Mbps	2	64	5320	0.06	0.06	8.80	9.94	12.41	23.98		-0.82		Pass
HT20	MCS8	2	52	5260	0.09	0.09	8.85	9.62	12.26	23.98		-0.82		Pass
HT20	MCS8	2	60	5300	0.09	0.09	9.14	9.73	12.45	23.98		-0.82		Pass
HT20	MCS8	2	64	5320	0.09	0.09	9.07	9.91	12.52	23.98		-0.82		Pass
HT40	MCS8	2	54	5270	0.14	0.14	9.05	9.73	12.41	23.98		-0.82		Pass
HT40	MCS8	2	62	5310	0.14	0.14	8.83	9.96	12.44	23.98		-0.82		Pass
VHT20	MCS0	2	52	5260	0.09	0.09	8.98	9.92	12.48	23.98		-0.82		Pass
VHT20	MCS0	2	60	5300	0.09	0.09	9.22	9.62	12.43	23.98		-0.82		Pass
VHT20	MCS0	2	64	5320	0.09	0.09	9.10	9.70	12.42	23.98		-0.82		Pass
VHT40	MCS0	2	54	5270	0.12	0.12	8.98	9.74	12.38	23.98		-0.82		Pass
VHT40	MCS0	2	62	5310	0.12	0.12	8.49	9.83	12.22	23.98		-0.82		Pass
VHT80	MCS0	2	58	5290	0.28	0.28	9.05	9.90	12.51	23.98		-0.82		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	0.06	0.06			0.33	11.00	-0.82			Pass
11a	6Mbps	2	60	5300	0.06	0.06			0.55	11.00	-0.82			Pass
11a	6Mbps	2	64	5320	0.06	0.06			0.47	11.00	-0.82			Pass
HT20	MCS8	2	52	5260	0.09	0.09			0.59	11.00	-0.82			Pass
HT20	MCS8	2	60	5300	0.09	0.09			0.56	11.00	-0.82			Pass
HT20	MCS8	2	64	5320	0.09	0.09			0.57	11.00	-0.82			Pass
HT40	MCS8	2	54	5270	0.14	0.14			-2.02	11.00	-0.82			Pass
HT40	MCS8	2	62	5310	0.14	0.14			-2.06	11.00	-0.82			Pass
VHT20	MCS0	2	52	5260	0.09	0.09			0.66	11.00	-0.82			Pass
VHT20	MCS0	2	60	5300	0.09	0.09			0.61	11.00	-0.82			Pass
VHT20	MCS0	2	64	5320	0.09	0.09			0.46	11.00	-0.82			Pass
VHT40	MCS0	2	54	5270	0.12	0.12			-2.26	11.00	-0.82			Pass
VHT40	MCS0	2	62	5310	0.12	0.12			-2.28	11.00	-0.82			Pass
VHT80	MCS0	2	58	5290	0.28	0.28			-4.95	11.00	-0.82			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	17.85	22.95	22.80	23.52		29.52		23.98		
11a	6Mbps	2	116	5580	17.35	17.25	20.75	20.50	23.37		29.37		23.98		
11a	6Mbps	2	140	5700	18.00	18.05	23.10	22.85	23.55		29.55		23.98		
HT20	MCS8	2	100	5500	19.10	19.05	23.10	23.15	23.80		29.80		23.98		
HT20	MCS8	2	116	5580	18.00	18.05	20.95	20.85	23.55		29.55		23.98		
HT20	MCS8	2	140	5700	19.15	18.90	23.35	23.15	23.76		29.76		23.98		
HT40	MCS8	2	102	5510	36.60	36.70	41.76	41.22	23.98		30.00		23.98		
HT40	MCS8	2	110	5550	36.70	36.70	41.58	41.13	23.98		30.00		23.98		
HT40	MCS8	2	134	5670	36.80	36.80	41.67	41.31	23.98		30.00		23.98		
VHT20	MCS0	2	100	5500	18.95	19.00	23.40	23.20	23.78		29.78		23.98		
VHT20	MCS0	2	116	5580	18.05	18.05	20.95	20.85	23.56		29.56		23.98		
VHT20	MCS0	2	140	5700	18.80	18.80	23.50	23.15	23.74		29.74		23.98		
VHT40	MCS0	2	102	5510	36.60	36.80	41.49	41.31	23.98		30.00		23.98		
VHT40	MCS0	2	110	5550	36.60	36.70	41.40	41.31	23.98		30.00		23.98		
VHT40	MCS0	2	134	5670	36.80	36.70	41.31	41.40	23.98		30.00		23.98		
VHT80	MCS0	2	106	5530	75.96	75.84	82.72	82.08	23.98		30.00		23.98		
VHT80	MCS0	2	122	5610	75.96	75.84	82.88	82.08	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	8.89	9.44		23.98	23.98	-3.50	-6.50	Pass
11a	6Mbps	1	116	5580	0.08	0.08	8.93	8.89		23.98	23.98	-3.50	-6.50	Pass
11a	6Mbps	1	140	5700	0.08	0.08	8.44	8.81		23.98	23.98	-3.50	-6.50	Pass
HT20	MCS0	1	100	5500	0.09	0.09	9.16	9.03		23.98	23.98	-3.50	-6.50	Pass
HT20	MCS0	1	116	5580	0.09	0.09	9.10	9.23		23.98	23.98	-3.50	-6.50	Pass
HT20	MCS0	1	140	5700	0.09	0.09	8.96	8.91		23.98	23.98	-3.50	-6.50	Pass
HT40	MCS0	1	102	5510	0.18	0.18	8.66	9.16		23.98	23.98	-3.50	-6.50	Pass
HT40	MCS0	1	110	5550	0.18	0.18	9.00	9.29		23.98	23.98	-3.50	-6.50	Pass
HT40	MCS0	1	134	5670	0.18	0.18	9.41	9.01		23.98	23.98	-3.50	-6.50	Pass
VHT20	MCS0	1	100	5500	0.09	0.09	9.21	9.08		23.98	23.98	-3.50	-6.50	Pass
VHT20	MCS0	1	116	5580	0.09	0.09	9.18	8.90		23.98	23.98	-3.50	-6.50	Pass
VHT20	MCS0	1	140	5700	0.09	0.09	8.99	8.95		23.98	23.98	-3.50	-6.50	Pass
VHT40	MCS0	1	102	5510	0.18	0.15	8.80	9.34		23.98	23.98	-3.50	-6.50	Pass
VHT40	MCS0	1	110	5550	0.18	0.15	9.09	9.13		23.98	23.98	-3.50	-6.50	Pass
VHT40	MCS0	1	134	5670	0.18	0.15	9.16	9.01		23.98	23.98	-3.50	-6.50	Pass
VHT80	MCS0	1	106	5530	0.31	0.31	9.30	9.59		23.98	23.98	-3.50	-6.50	Pass
VHT80	MCS0	1	122	5610	0.31	0.31	9.13	9.45		23.98	23.98	-3.50	-6.50	Pass
11a	6Mbps	2	100	5500	0.06	0.06	8.92	9.45	12.20	23.98		-1.86		Pass
11a	6Mbps	2	116	5580	0.06	0.06	9.03	8.92	11.98	23.98		-1.86		Pass
11a	6Mbps	2	140	5700	0.06	0.06	8.52	8.88	11.71	23.98		-1.86		Pass
HT20	MCS8	2	100	5500	0.09	0.09	9.25	9.10	12.18	23.98		-1.86		Pass
HT20	MCS8	2	116	5580	0.09	0.09	9.28	9.27	12.28	23.98		-1.86		Pass
HT20	MCS8	2	140	5700	0.09	0.09	8.98	8.98	11.99	23.98		-1.86		Pass
HT40	MCS8	2	102	5510	0.14	0.14	8.79	9.19	12.01	23.98		-1.86		Pass
HT40	MCS8	2	110	5550	0.14	0.14	9.02	9.29	12.17	23.98		-1.86		Pass
HT40	MCS8	2	134	5670	0.14	0.14	9.43	9.03	12.25	23.98		-1.86		Pass
VHT20	MCS0	2	100	5500	0.09	0.09	9.21	9.10	12.16	23.98		-1.86		Pass
VHT20	MCS0	2	116	5580	0.09	0.09	9.27	8.94	12.12	23.98		-1.86		Pass
VHT20	MCS0	2	140	5700	0.09	0.09	9.08	8.98	12.04	23.98		-1.86		Pass
VHT40	MCS0	2	102	5510	0.12	0.12	8.71	9.37	12.06	23.98		-1.86		Pass
VHT40	MCS0	2	110	5550	0.12	0.12	9.09	9.18	12.14	23.98		-1.86		Pass
VHT40	MCS0	2	134	5670	0.12	0.12	9.17	9.03	12.11	23.98		-1.86		Pass
VHT80	MCS0	2	106	5530	0.28	0.28	9.31	9.60	12.47	23.98		-1.86		Pass
VHT80	MCS0	2	122	5610	0.28	0.28	9.15	9.59	12.39	23.98		-1.86		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	0.06	0.06			1.12	11.00		-1.86		Pass
11a	6Mbps	2	116	5580	0.06	0.06			1.75	11.00		-1.86		Pass
11a	6Mbps	2	140	5700	0.06	0.06			0.16	11.00		-1.86		Pass
HT20	MCS8	2	100	5500	0.09	0.09			1.39	11.00		-1.86		Pass
HT20	MCS8	2	116	5580	0.09	0.09			1.39	11.00		-1.86		Pass
HT20	MCS8	2	140	5700	0.09	0.09			0.33	11.00		-1.86		Pass
HT40	MCS8	2	102	5510	0.14	0.14			-1.68	11.00		-1.86		Pass
HT40	MCS8	2	110	5550	0.14	0.14			-1.72	11.00		-1.86		Pass
HT40	MCS8	2	134	5670	0.14	0.14			-2.20	11.00		-1.86		Pass
VHT20	MCS0	2	100	5500	0.09	0.09			1.18	11.00		-1.86		Pass
VHT20	MCS0	2	116	5580	0.09	0.09			1.36	11.00		-1.86		Pass
VHT20	MCS0	2	140	5700	0.09	0.09			0.21	11.00		-1.86		Pass
VHT40	MCS0	2	102	5510	0.12	0.12			-1.76	11.00		-1.86		Pass
VHT40	MCS0	2	110	5550	0.12	0.12			-1.67	11.00		-1.86		Pass
VHT40	MCS0	2	134	5670	0.12	0.12			-2.40	11.00		-1.86		Pass
VHT80	MCS0	2	106	5530	0.28	0.28			-4.36	11.00		-1.86		Pass
VHT80	MCS0	2	122	5610	0.28	0.28			-4.42	11.00		-1.86		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	18.10	18.05	23.15	22.70	-		-		-		
				NII-2C	14.1	14.05	16.55	16.3	22.48		28.48		23.12		
				NII-3	4	4	6.6	6.4	30.00		36.00		30.00		
HT20	MCS8	2	144	5720	18.85	18.95	23.40	23.25	-		-		-		
				NII-2C	14.45	14.6	16.7	16.6	22.60		28.60		23.20		
				NII-3	4.4	4.35	6.7	6.65	30.00		36.00		30.00		
HT40	MCS8	2	142	5710	36.70	36.80	41.58	41.31	-		-		-		
				NII-2C	33.4	33.5	35.88	35.7	23.98		30.00		23.98		
				NII-3	3.3	3.3	5.7	5.61	30.00		36.00		30.00		
VHT20	MCS0	2	144	5720	18.90	18.95	23.25	23.05	-		-		-		
				NII-2C	14.5	14.5	16.65	16.6	22.61		28.61		23.20		
				NII-3	4.4	4.45	6.6	6.45	30.00		36.00		30.00		
VHT40	MCS0	2	142	5710	36.70	36.70	41.49	41.40	-		-		-		
				NII-2C	33.4	33.4	35.79	35.79	23.98		30.00		23.98		
				NII-3	3.3	3.3	5.7	5.61	30.00		36.00		30.00		
VHT80	MCS0	2	138	5690	75.96	76.08	82.56	82.40	-		-		-		
				NII-2C	73.04	73.16	76.28	76.28	23.98		30.00		23.98		
				NII-3	2.92	2.92	6.28	6.12	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	9.79	9.93		-	-	-3.50	-6.50	-
				NII-2C	0.08	0.08	8.88	9.03		23.17	23.17	-3.50	-6.50	Pass
				NII-3	0.08	0.08	2.55	2.67		30.00	30.00	-3.50	-6.50	Pass
HT20	MCS0	1	144	5720	0.09	0.09	9.74	9.70		-	-	-3.50	-6.50	-
				NII-2C	0.09	0.09	8.74	8.66		23.23	23.24	-3.50	-6.50	Pass
				NII-3	0.09	0.09	2.88	2.97		30.00	30.00	-3.50	-6.50	Pass
HT40	MCS0	1	142	5710	0.18	0.18	9.84	9.90		-	-	-3.50	-6.50	-
				NII-2C	0.18	0.18	9.52	9.57		23.98	23.98	-3.50	-6.50	Pass
				NII-3	0.18	0.18	-1.60	-1.44		30.00	30.00	-3.50	-6.50	Pass
VHT20	MCS0	1	144	5720	0.09	0.09	9.53	9.63		-	-	-3.50	-6.50	-
				NII-2C	0.09	0.09	8.53	8.60		23.21	23.24	-3.50	-6.50	Pass
				NII-3	0.09	0.09	2.64	2.87		30.00	30.00	-3.50	-6.50	Pass
VHT40	MCS0	1	142	5710	0.18	0.15	9.77	9.83		-	-	-3.50	-6.50	-
				NII-2C	0.18	0.15	9.44	9.48		23.98	23.98	-3.50	-6.50	Pass
				NII-3	0.18	0.15	-1.57	-1.24		30.00	30.00	-3.50	-6.50	Pass
VHT80	MCS0	1	138	5690	0.31	0.31	9.84	9.85		-	-	-3.50	-6.50	-
				NII-2C	0.31	0.31	9.69	9.71		23.98	23.98	-3.50	-6.50	Pass
				NII-3	0.31	0.31	-4.95	-5.07		30.00	30.00	-3.50	-6.50	Pass
11a	6Mbps	2	144	5720	0.06	0.06	9.65	9.98	12.83	-	-	-1.86	-	-
				NII-2C	0.06	0.06	8.74	9.09	11.93	23.12	-	-1.86	-	Pass
				NII-3	0.06	0.06	2.39	2.68	5.55	30.00	-	-1.86	-	Pass
HT20	MCS0	2	144	5720	0.09	0.09	9.88	9.97	12.94	-	-	-1.86	-	-
				NII-2C	0.09	0.09	8.89	9.04	11.98	23.20	-	-1.86	-	Pass
				NII-3	0.09	0.09	2.99	2.83	5.92	30.00	-	-1.86	-	Pass
HT40	MCS0	2	142	5710	0.14	0.14	9.69	9.93	12.82	-	-	-1.86	-	-
				NII-2C	0.14	0.14	9.37	9.59	12.49	23.98	-	-1.86	-	Pass
				NII-3	0.14	0.14	-1.74	-1.36	1.46	30.00	-	-1.86	-	Pass
VHT20	MCS0	2	144	5720	0.09	0.09	9.71	9.79	12.76	-	-	-1.86	-	-
				NII-2C	0.09	0.09	8.72	8.84	11.79	23.20	-	-1.86	-	Pass
				NII-3	0.09	0.09	2.81	2.71	5.77	30.00	-	-1.86	-	Pass
VHT40	MCS0	2	142	5710	0.12	0.12	9.64	9.84	12.75	-	-	-1.86	-	-
				NII-2C	0.12	0.12	9.30	9.49	12.41	23.98	-	-1.86	-	Pass
				NII-3	0.12	0.12	-1.57	-1.29	1.58	30.00	-	-1.86	-	Pass
VHT80	MCS0	2	138	5690	0.28	0.28	9.84	10.01	12.94	-	-	-1.86	-	-
				NII-2C	0.28	0.28	9.71	9.88	12.81	23.98	-	-1.86	-	Pass
				NII-3	0.28	0.28	-5.31	-5.18	-2.23	30.00	-	-1.86	-	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	0.06	0.06			1.75	11.00	-1.86			Pass	
				NII-3	0.06	0.06			1.75	30.00	-1.86		Pass		
HT20	MCS8	2	144	NII-2C	0.09	0.09			1.23	11.00	-1.86		Pass		
				NII-3	0.09	0.09			1.23	30.00	-1.86		Pass		
HT40	MCS8	2	142	NII-2C	0.14	0.14			-1.46	11.00	-1.86		Pass		
				NII-3	0.14	0.14			-1.46	30.00	-1.86		Pass		
VHT20	MCS0	2	144	NII-2C	0.09	0.09			1.42	11.00	-1.86		Pass		
				NII-3	0.09	0.09			1.42	30.00	-1.86		Pass		
VHT40	MCS0	2	142	NII-2C	0.12	0.12			-1.49	11.00	-1.86		Pass		
				NII-3	0.12	0.12			-1.49	30.00	-1.86		Pass		
VHT80	MCS0	2	138	NII-2C	0.28	0.28			-4.34	11.00	-1.86		Pass		
				NII-3	0.28	0.28			-4.34	30.00	-1.86		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	5180.025	0.025	4.83	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	5320.050	0.050	9.40	-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 :	Wei Chen, James Chiu, and Ken Wu	Temperature :	21~23°C
		Relative Humidity :	41~42%

Band 1 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5148.05	57.74	-16.26	74	44.07	34.61	11.55	32.49	100	18	P	H
		5150	43.86	-10.14	54	30.19	34.61	11.55	32.49	100	18	A	H
	*	5180	103.47	-	-	89.78	34.66	11.55	32.52	100	18	P	H
	*	5180	92.93	-	-	79.24	34.66	11.55	32.52	100	18	A	H
													H
													H
		5142.8	57.12	-16.88	74	43.41	34.61	11.55	32.45	104	359	P	V
		5148.95	43.31	-10.69	54	29.64	34.61	11.55	32.49	104	359	A	V
	*	5180	98.29	-	-	84.6	34.66	11.55	32.52	104	359	P	V
	*	5180	87.9	-	-	74.21	34.66	11.55	32.52	104	359	A	V
													V
													V
802.11a CH 44 5220MHz		5093.9	57.3	-16.7	74	43.72	34.54	11.46	32.42	110	17	P	H
		5148.8	43.27	-10.73	54	29.6	34.61	11.55	32.49	110	17	A	H
	*	5220	102.33	-	-	88.59	34.7	11.59	32.55	110	17	P	H
	*	5220	91.81	-	-	78.07	34.7	11.59	32.55	110	17	A	H
		5416.11	57.45	-16.55	74	44.12	34.98	11.74	33.39	110	17	P	H
		5391.69	43.46	-10.54	54	30.06	34.94	11.74	33.28	110	17	A	H
		5090.3	58.17	-15.83	74	44.56	34.54	11.46	32.39	105	356	P	V
		5145.2	43.17	-10.83	54	29.5	34.61	11.55	32.49	105	356	A	V
	*	5220	99.09	-	-	85.35	34.7	11.59	32.55	105	356	P	V
	*	5220	88.76	-	-	75.02	34.7	11.59	32.55	105	356	A	V
		5380.91	57.59	-16.41	74	44.19	34.94	11.74	33.28	105	356	P	V
		5394.55	43.43	-10.57	54	30.01	34.96	11.74	33.28	105	356	A	V



802.11a CH 48 5240MHz		5122.4	57.01	-16.99	74	43.4	34.56	11.5	32.45	113	19	P	H
		5149.4	43.18	-10.82	54	29.51	34.61	11.55	32.49	113	19	A	H
	*	5239	101.98	-	-	88.28	34.73	11.62	32.65	113	19	P	H
	*	5239	91.55	-	-	77.85	34.73	11.62	32.65	113	19	A	H
		5421.17	57.71	-16.29	74	44.32	34.98	11.8	33.39	113	19	P	H
		5393.78	43.46	-10.54	54	30.06	34.94	11.74	33.28	113	19	A	H
		5044.7	57.26	-16.74	74	43.73	34.47	11.41	32.35	101	355	P	V
		5150	43.16	-10.84	54	29.49	34.61	11.55	32.49	101	355	A	V
	*	5240	100.22	-	-	86.52	34.73	11.62	32.65	101	355	P	V
	*	5240	89.7	-	-	76	34.73	11.62	32.65	101	355	A	V
		5409.18	57.92	-16.08	74	44.61	34.96	11.74	33.39	101	355	P	V
		5393.78	43.45	-10.55	54	30.05	34.94	11.74	33.28	101	355	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		10360	41.64	-32.36	74	47.99	37.22	16.34	59.91	100	0	P	H
		15540	47.94	-26.06	74	45.12	40.34	20.36	57.88	100	0	P	H
													H
													H
		10360	41.61	-32.39	74	47.96	37.22	16.34	59.91	100	0	P	V
		15540	47.03	-26.97	74	44.21	40.34	20.36	57.88	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	42.33	-31.67	74	48.51	37.26	16.41	59.85	100	0	P	H
		15660	46.94	-27.06	74	43.85	40.49	20.41	57.81	100	0	P	H
													H
													H
		10440	41.19	-32.81	74	47.37	37.26	16.41	59.85	100	0	P	V
		15660	46.51	-27.49	74	43.42	40.49	20.41	57.81	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	41.99	-32.01	74	48.06	37.29	16.45	59.81	100	0	P	H
		15720	48.12	-25.88	74	44.87	40.57	20.45	57.77	100	0	P	H
													H
													H
		10480	42.26	-31.74	74	48.33	37.29	16.45	59.81	100	0	P	V
		15720	48.92	-25.08	74	45.67	40.57	20.45	57.77	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	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 CH 36 5180MHz		5109.05	57.94	-16.06	74	44.3	34.56	11.5	32.42	100	356	P	H
		5150	43.73	-10.27	54	30.06	34.61	11.55	32.49	100	356	A	H
	*	5180	102.5	-	-	88.81	34.66	11.55	32.52	100	356	P	H
	*	5180	89.68	-	-	75.99	34.66	11.55	32.52	100	356	A	H
													H
													H
		5008.55	57.73	-16.27	74	44.23	34.42	11.37	32.29	195	257	P	V
		5148.8	43.41	-10.59	54	29.74	34.61	11.55	32.49	195	257	A	V
	*	5180	99.3	-	-	85.61	34.66	11.55	32.52	195	257	P	V
	*	5180	86.5	-	-	72.81	34.66	11.55	32.52	195	257	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5071.55	56.94	-17.06	74	43.35	34.52	11.46	32.39	100	22	P	H
		5150	43.32	-10.68	54	29.65	34.61	11.55	32.49	100	22	A	H
	*	5220	103.13	-	-	89.39	34.7	11.59	32.55	100	22	P	H
	*	5220	90.02	-	-	76.28	34.7	11.59	32.55	100	22	A	H
		5389.38	57.69	-16.31	74	44.29	34.94	11.74	33.28	100	22	P	H
		5383.33	43.51	-10.49	54	30.11	34.94	11.74	33.28	100	22	A	H
		5022.8	57.44	-16.56	74	43.9	34.45	11.41	32.32	100	285	P	V
		5149.7	43.27	-10.73	54	29.6	34.61	11.55	32.49	100	285	A	V
	*	5220	101.2	-	-	87.46	34.7	11.59	32.55	100	285	P	V
	*	5220	87.92	-	-	74.18	34.7	11.59	32.55	100	285	A	V
		5370.46	57.49	-16.51	74	44.05	34.91	11.71	33.18	100	285	P	V
		5392.35	43.47	-10.53	54	30.07	34.94	11.74	33.28	100	285	A	V



802.11n HT20 CH 48 5240MHz		5105.9	58.01	-15.99	74	44.37	34.56	11.5	32.42	107	3	P	H
		5147.6	43.23	-10.77	54	29.56	34.61	11.55	32.49	107	3	A	H
	*	5240	102.84	-	-	89.14	34.73	11.62	32.65	107	3	P	H
	*	5240	89.37	-	-	75.67	34.73	11.62	32.65	107	3	A	H
		5380.58	57.54	-16.46	74	44.14	34.94	11.74	33.28	107	3	P	H
		5384.43	43.51	-10.49	54	30.11	34.94	11.74	33.28	107	3	A	H
		5144.45	57.16	-16.84	74	43.49	34.61	11.55	32.49	194	272	P	V
		5149.85	43.22	-10.78	54	29.55	34.61	11.55	32.49	194	272	A	V
	*	5240	102.27	-	-	88.57	34.73	11.62	32.65	194	272	P	V
	*	5240	89.34	-	-	75.64	34.73	11.62	32.65	194	272	A	V
		5379.7	57.3	-16.7	74	43.93	34.94	11.71	33.28	194	272	P	V
		5394.99	43.47	-10.53	54	30.05	34.96	11.74	33.28	194	272	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	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 CH 36 5180MHz		10360	41.76	-32.24	74	48.11	37.22	16.34	59.91	100	0	P	H
		15540	46.95	-27.05	74	44.13	40.34	20.36	57.88	100	0	P	H
													H
													H
		10360	41.55	-32.45	74	47.9	37.22	16.34	59.91	100	0	P	V
		15540	47.38	-26.62	74	44.56	40.34	20.36	57.88	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	41.56	-32.44	74	47.74	37.26	16.41	59.85	100	0	P	H
		15660	46.8	-27.2	74	43.71	40.49	20.41	57.81	100	0	P	H
													H
													H
		10440	41.67	-32.33	74	47.85	37.26	16.41	59.85	100	0	P	V
		15660	46.63	-27.37	74	43.54	40.49	20.41	57.81	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	43.55	-30.45	74	49.62	37.29	16.45	59.81	100	0	P	H
		15720	48.06	-25.94	74	44.81	40.57	20.45	57.77	100	0	P	H
													H
													H
		10480	42.79	-31.21	74	48.86	37.29	16.45	59.81	100	0	P	V
		15720	48.9	-25.1	74	45.65	40.57	20.45	57.77	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		5141.3	61.19	-12.81	74	47.48	34.61	11.55	32.45	100	23	P	H
		5149.55	47.11	-6.89	54	33.44	34.61	11.55	32.49	100	23	A	H
	*	5192	97.29	-	-	83.54	34.68	11.59	32.52	100	23	P	H
	*	5192	86.8	-	-	73.05	34.68	11.59	32.52	100	23	A	H
		5364.19	57.35	-16.65	74	43.91	34.91	11.71	33.18	100	23	P	H
		5389.38	44.81	-9.19	54	31.41	34.94	11.74	33.28	100	23	A	H
		5127.95	57.61	-16.39	74	43.97	34.59	11.5	32.45	100	285	P	V
		5150	45.1	-8.9	54	31.43	34.61	11.55	32.49	100	285	A	V
	*	5190	94.18	-	-	80.45	34.66	11.59	32.52	100	285	P	V
	*	5190	83.23	-	-	69.5	34.66	11.59	32.52	100	285	A	V
		5366.28	57.49	-16.51	74	44.05	34.91	11.71	33.18	100	285	P	V
		5378.38	44.68	-9.32	54	31.31	34.94	11.71	33.28	100	285	A	V
802.11n HT40 CH 46 5230MHz		5131.1	56.87	-17.13	74	43.23	34.59	11.5	32.45	100	23	P	H
		5139.8	44.33	-9.67	54	30.67	34.61	11.5	32.45	100	23	A	H
	*	5230	96.73	-	-	83.03	34.73	11.62	32.65	100	23	P	H
	*	5230	86.59	-	-	72.89	34.73	11.62	32.65	100	23	A	H
		5406.98	57.49	-16.51	74	44.18	34.96	11.74	33.39	100	23	P	H
		5386.3	44.69	-9.31	54	31.29	34.94	11.74	33.28	100	23	A	H
		5099.9	57.69	-16.31	74	44.11	34.54	11.46	32.42	262	286	P	V
		5148.8	44.19	-9.81	54	30.52	34.61	11.55	32.49	262	286	A	V
	*	5230	94.9	-	-	81.2	34.73	11.62	32.65	262	286	P	V
	*	5230	83.74	-	-	70.04	34.73	11.62	32.65	262	286	A	V
		5365.84	57.64	-16.36	74	44.2	34.91	11.71	33.18	262	286	P	V
		5376.73	44.92	-9.08	54	31.58	34.91	11.71	33.28	262	286	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 38 5190MHz		10380	41.79	-32.21	74	48.11	37.23	16.34	59.89	100	0	P	H
		15570	47.47	-26.53	74	44.57	40.38	20.38	57.86	100	0	P	H
													H
													H
		10380	41.07	-32.93	74	47.39	37.23	16.34	59.89	100	0	P	V
		15570	46.79	-27.21	74	43.89	40.38	20.38	57.86	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	41.98	-32.02	74	48.14	37.27	16.41	59.84	100	0	P	H
		15690	47.88	-26.12	74	44.71	40.53	20.43	57.79	100	0	P	H
													H
													H
		10460	41.59	-32.41	74	47.75	37.27	16.41	59.84	100	0	P	V
		15690	48.41	-25.59	74	45.24	40.53	20.43	57.79	100	0	P	V
													V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		5149.85	61.37	-12.63	74	47.7	34.61	11.55	32.49	100	27	P	H
		5148.95	48.47	-5.53	54	34.8	34.61	11.55	32.49	100	27	A	H
	*	5210	97.29	-	-	83.55	34.7	11.59	32.55	100	27	P	H
	*	5210	85.91	-	-	72.17	34.7	11.59	32.55	100	27	A	H
		5429.09	57.68	-16.32	74	44.35	35.01	11.8	33.48	100	27	P	H
		5380.91	45.1	-8.9	54	31.7	34.94	11.74	33.28	100	27	A	H
		5136.5	57.75	-16.25	74	44.11	34.59	11.5	32.45	108	2	P	V
		5147.15	45.66	-8.34	54	31.99	34.61	11.55	32.49	108	2	A	V
	*	5210	90.39	-	-	76.65	34.7	11.59	32.55	108	2	P	V
	*	5210	79.78	-	-	66.04	34.7	11.59	32.55	108	2	A	V
		5434.15	57.69	-16.31	74	44.36	35.01	11.8	33.48	108	2	P	V
		5400.82	45.03	-8.97	54	31.72	34.96	11.74	33.39	108	2	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 42 5210MHz		10420	41.3	-32.7	74	47.55	37.25	16.37	59.87	100	0	P	H
		15630	45.55	-28.45	74	42.49	40.47	20.41	57.82	100	0	P	H
													H
													H
		10420	40.73	-33.27	74	46.98	37.25	16.37	59.87	100	0	P	V
		15630	46.33	-27.67	74	43.27	40.47	20.41	57.82	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		5122.25	57.2	-16.8	74	43.59	34.56	11.5	32.45	100	20	P	H
		5146.55	43.16	-10.84	54	29.49	34.61	11.55	32.49	100	20	A	H
	*	5260	101.58	-	-	87.95	34.77	11.62	32.76	100	20	P	H
	*	5260	90.9	-	-	77.27	34.77	11.62	32.76	100	20	A	H
		5421.39	58.06	-15.94	74	44.67	34.98	11.8	33.39	100	20	P	H
		5393.56	43.46	-10.54	54	30.06	34.94	11.74	33.28	100	20	A	H
		5099.3	57.2	-16.8	74	43.62	34.54	11.46	32.42	140	354	P	V
		5146.25	43.14	-10.86	54	29.47	34.61	11.55	32.49	140	354	A	V
	*	5259	99.87	-	-	86.24	34.77	11.62	32.76	140	354	P	V
	*	5259	89.51	-	-	75.88	34.77	11.62	32.76	140	354	A	V
		5399.28	58.55	-15.45	74	45.24	34.96	11.74	33.39	140	354	P	V
		5394.88	43.45	-10.55	54	30.03	34.96	11.74	33.28	140	354	A	V
802.11a CH 60 5300MHz		5056.55	58.05	-15.95	74	44.5	34.49	11.41	32.35	100	57	P	H
		5141.3	43.15	-10.85	54	29.44	34.61	11.55	32.45	100	57	A	H
	*	5300	101.14	-	-	87.64	34.82	11.65	32.97	100	57	P	H
	*	5300	90.89	-	-	77.39	34.82	11.65	32.97	100	57	A	H
		5354.62	57.61	-16.39	74	44.19	34.89	11.71	33.18	100	57	P	H
		5383.99	43.49	-10.51	54	30.09	34.94	11.74	33.28	100	57	A	H
		5110.4	57.39	-16.61	74	43.75	34.56	11.5	32.42	158	0	P	V
		5149.4	43.14	-10.86	54	29.47	34.61	11.55	32.49	158	0	A	V
	*	5299	100.97	-	-	87.47	34.82	11.65	32.97	158	0	P	V
	*	5299	90.34	-	-	76.84	34.82	11.65	32.97	158	0	A	V
		5459.67	57.46	-16.54	74	44.2	35.03	11.8	33.57	158	0	P	V
		5386.41	43.47	-10.53	54	30.07	34.94	11.74	33.28	158	0	A	V



802.11a CH 64 5320MHz	*	5320	102	-	-	88.45	34.84	11.68	32.97	196	65	P	H
	*	5320	91.57	-	-	78.02	34.84	11.68	32.97	196	65	A	H
		5409.29	58.33	-15.67	74	45.02	34.96	11.74	33.39	196	65	P	H
		5350.33	43.78	-10.22	54	30.36	34.89	11.71	33.18	196	65	A	H
													H
													H
	*	5320	101.13	-	-	87.58	34.84	11.68	32.97	100	0	P	V
	*	5320	90.83	-	-	77.28	34.84	11.68	32.97	100	0	A	V
		5424.47	57.41	-16.59	74	44.11	34.98	11.8	33.48	100	0	P	V
		5370.24	43.52	-10.48	54	30.08	34.91	11.71	33.18	100	0	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		10520	41.76	-32.24	74	47.73	37.32	16.49	59.78	100	0	P	H
		15780	48.17	-25.83	74	44.81	40.63	20.46	57.73	100	0	P	H
													H
													H
		10520	42.02	-31.98	74	47.99	37.32	16.49	59.78	100	0	P	V
		15780	49.17	-24.83	74	45.81	40.63	20.46	57.73	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	42.37	-31.63	74	48.05	37.42	16.56	59.66	100	0	P	H
		15900	48.16	-25.84	74	44.52	40.78	20.52	57.66	100	0	P	H
													H
													H
		10600	42.55	-31.45	74	48.23	37.42	16.56	59.66	100	0	P	V
		15900	47.44	-26.56	74	43.8	40.78	20.52	57.66	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	42.42	-31.58	74	47.96	37.47	16.6	59.61	100	0	P	H
		15960	47.84	-26.16	74	44.05	40.86	20.55	57.62	100	0	P	H
													H
													H
		10640	42.5	-31.5	74	48.04	37.47	16.6	59.61	100	0	P	V
		15960	47.36	-26.64	74	43.57	40.86	20.55	57.62	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 52 5260MHz		5085.2	57.19	-16.81	74	43.6	34.52	11.46	32.39	100	2	P	H
		5149.85	43.17	-10.83	54	29.5	34.61	11.55	32.49	100	2	A	H
	*	5260	101.51	-	-	87.88	34.77	11.62	32.76	100	2	P	H
	*	5260	90.95	-	-	77.32	34.77	11.62	32.76	100	2	A	H
		5383.33	58.36	-15.64	74	44.96	34.94	11.74	33.28	100	2	P	H
		5382.89	43.44	-10.56	54	30.04	34.94	11.74	33.28	100	2	A	H
		5030.45	57.31	-16.69	74	43.77	34.45	11.41	32.32	158	352	P	V
		5147.9	43.16	-10.84	54	29.49	34.61	11.55	32.49	158	352	A	V
	*	5260	100.58	-	-	86.95	34.77	11.62	32.76	158	352	P	V
	*	5260	87.2	-	-	73.57	34.77	11.62	32.76	158	352	A	V
		5351.76	58.5	-15.5	74	45.08	34.89	11.71	33.18	158	352	P	V
		5394.88	43.44	-10.56	54	30.02	34.96	11.74	33.28	158	352	A	V
802.11n HT20 CH 60 5300MHz		5010.95	56.91	-17.09	74	43.41	34.42	11.37	32.29	100	23	P	H
		5149.4	43.15	-10.85	54	29.48	34.61	11.55	32.49	100	23	A	H
	*	5300	101.39	-	-	87.89	34.82	11.65	32.97	100	23	P	H
	*	5300	88.07	-	-	74.57	34.82	11.65	32.97	100	23	A	H
		5436.46	57.32	-16.68	74	43.99	35.01	11.8	33.48	100	23	P	H
		5384.43	43.48	-10.52	54	30.08	34.94	11.74	33.28	100	23	A	H
		5148.65	57.96	-16.04	74	44.29	34.61	11.55	32.49	100	285	P	V
		5143.4	43.13	-10.87	54	29.42	34.61	11.55	32.45	100	285	A	V
	*	5300	98.89	-	-	85.39	34.82	11.65	32.97	100	285	P	V
	*	5300	86.04	-	-	72.54	34.82	11.65	32.97	100	285	A	V
		5369.14	57.2	-16.8	74	43.76	34.91	11.71	33.18	100	285	P	V
		5397.52	43.43	-10.57	54	30.01	34.96	11.74	33.28	100	285	A	V



802.11n HT20 CH 64 5320MHz	*	5320	101.76	-	-	88.21	34.84	11.68	32.97	100	25	P	H
	*	5320	88.7	-	-	75.15	34.84	11.68	32.97	100	25	A	H
		5398.29	58	-16	74	44.58	34.96	11.74	33.28	100	25	P	H
		5350.88	43.66	-10.34	54	30.24	34.89	11.71	33.18	100	25	A	H
													H
													H
	*	5320	100.15	-	-	86.6	34.84	11.68	32.97	100	282	P	V
	*	5320	86.72	-	-	73.17	34.84	11.68	32.97	100	282	A	V
		5351.87	57.02	-16.98	74	43.6	34.89	11.71	33.18	100	282	P	V
		5350.55	43.48	-10.52	54	30.06	34.89	11.71	33.18	100	282	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	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 CH 52 5260MHz		10520	41.71	-32.29	74	47.68	37.32	16.49	59.78	100	0	P	H
		15780	48.35	-25.65	74	44.99	40.63	20.46	57.73	100	0	P	H
													H
													H
		10520	42.12	-31.88	74	48.09	37.32	16.49	59.78	100	0	P	V
		15780	49.4	-24.6	74	46.04	40.63	20.46	57.73	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	41.05	-32.95	74	46.73	37.42	16.56	59.66	100	0	P	H
		15900	47.76	-26.24	74	44.12	40.78	20.52	57.66	100	0	P	H
													H
													H
		10600	41.21	-32.79	74	46.89	37.42	16.56	59.66	100	0	P	V
		15900	47.67	-26.33	74	44.03	40.78	20.52	57.66	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	41.44	-32.56	74	46.98	37.47	16.6	59.61	100	0	P	H
		15960	47.25	-26.75	74	43.46	40.86	20.55	57.62	100	0	P	H
													H
													H
		10640	41.79	-32.21	74	47.33	37.47	16.6	59.61	100	0	P	V
		15960	47.45	-26.55	74	43.66	40.86	20.55	57.62	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		5047.4	57.89	-16.11	74	44.36	34.47	11.41	32.35	100	280	P	H
		5130.65	44.34	-9.66	54	30.7	34.59	11.5	32.45	100	280	A	H
	*	5270	98.55	-	-	84.89	34.77	11.65	32.76	100	280	P	H
	*	5270	87.63	-	-	73.97	34.77	11.65	32.76	100	280	A	H
		5445.59	57.92	-16.08	74	44.57	35.03	11.8	33.48	100	280	P	H
		5387.95	44.73	-9.27	54	31.33	34.94	11.74	33.28	100	280	A	H
		5100.8	57.21	-16.79	74	43.59	34.54	11.5	32.42	100	358	P	V
		5002.25	44.42	-9.58	54	30.94	34.4	11.37	32.29	100	358	A	V
	*	5270	93.72	-	-	80.06	34.77	11.65	32.76	100	358	P	V
	*	5270	83.47	-	-	69.81	34.77	11.65	32.76	100	358	A	V
		5378.49	58.38	-15.62	74	45.01	34.94	11.71	33.28	100	358	P	V
		5406.76	44.82	-9.18	54	31.51	34.96	11.74	33.39	100	358	A	V
802.11n HT40 CH 62 5310MHz		5017.25	57.29	-16.71	74	43.82	34.42	11.37	32.32	100	52	P	H
		5143.25	44.27	-9.73	54	30.56	34.61	11.55	32.45	100	52	A	H
	*	5310	97.52	-	-	83.97	34.84	11.68	32.97	100	52	P	H
	*	5310	86.96	-	-	73.41	34.84	11.68	32.97	100	52	A	H
		5351.43	58.79	-15.21	74	45.37	34.89	11.71	33.18	100	52	P	H
		5351.32	46.33	-7.67	54	32.91	34.89	11.71	33.18	100	52	A	H
		5057.15	57.39	-16.61	74	43.84	34.49	11.41	32.35	100	356	P	V
		5116.55	44.22	-9.78	54	30.58	34.56	11.5	32.42	100	356	A	V
	*	5310	94.49	-	-	80.94	34.84	11.68	32.97	100	356	P	V
	*	5310	83.7	-	-	70.15	34.84	11.68	32.97	100	356	A	V
		5407.42	57.67	-16.33	74	44.36	34.96	11.74	33.39	100	356	P	V
		5350.44	45.29	-8.71	54	31.87	34.89	11.71	33.18	100	356	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 54 5270MHz		10540	42.11	-31.89	74	48.03	37.34	16.49	59.75	100	0	P	H
		15810	49.17	-24.83	74	45.73	40.67	20.48	57.71	100	0	P	H
													H
													H
		10540	42.44	-31.56	74	48.36	37.34	16.49	59.75	100	0	P	V
		15810	48.74	-25.26	74	45.3	40.67	20.48	57.71	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	41.11	-32.89	74	46.74	37.44	16.56	59.63	100	0	P	H
		15930	47.22	-26.78	74	43.51	40.82	20.53	57.64	100	0	P	H
													H
													H
		10620	42.06	-31.94	74	47.69	37.44	16.56	59.63	100	0	P	V
		15930	47.29	-26.71	74	43.58	40.82	20.53	57.64	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 58 5290MHz		5084.9	57.56	-16.44	74	43.97	34.52	11.46	32.39	100	61	P	H
		5130.65	44.65	-9.35	54	31.01	34.59	11.5	32.45	100	61	A	H
	*	5290	95.91	-	-	82.32	34.8	11.65	32.86	100	61	P	H
	*	5290	84.79	-	-	71.2	34.8	11.65	32.86	100	61	A	H
		5372.55	58.12	-15.88	74	44.68	34.91	11.71	33.18	100	61	P	H
		5352.2	46.11	-7.89	54	32.69	34.89	11.71	33.18	100	61	A	H
		5003.9	58.13	-15.87	74	44.63	34.42	11.37	32.29	156	0	P	V
		5121.95	44.78	-9.22	54	31.17	34.56	11.5	32.45	156	0	A	V
	*	5290	94.65	-	-	81.06	34.8	11.65	32.86	156	0	P	V
	*	5290	83.68	-	-	70.09	34.8	11.65	32.86	156	0	A	V
		5354.62	57.97	-16.03	74	44.55	34.89	11.71	33.18	156	0	P	V
		5353.63	45.75	-8.25	54	32.33	34.89	11.71	33.18	156	0	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 58 5290MHz		10580	40.56	-33.44	74	46.32	37.4	16.52	59.68	100	0	P	H
		15870	47.1	-26.9	74	43.49	40.76	20.52	57.67	100	0	P	H
													H
													H
		10580	40.84	-33.16	74	46.6	37.4	16.52	59.68	100	0	P	V
		15870	48.14	-25.86	74	44.53	40.76	20.52	57.67	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		5458.32	57.27	-16.73	74	44.01	35.03	11.8	33.57	188	38	P	H
		5470	43.64	-10.36	54	30.3	35.05	11.86	33.57	188	38	A	H
	*	5500	102.84	-	-	89.54	35.1	11.86	33.66	188	38	P	H
	*	5500	92.87	-	-	79.57	35.1	11.86	33.66	188	38	A	H
													H
													H
		5386.16	57.13	-16.87	74	43.73	34.94	11.74	33.28	213	26	P	V
		5395.28	43.44	-10.56	54	30.02	34.96	11.74	33.28	213	26	A	V
	*	5500	101.19	-	-	87.89	35.1	11.86	33.66	213	26	P	V
	*	5500	90.81	-	-	77.51	35.1	11.86	33.66	213	26	A	V
													V
													V
802.11a CH 116 5580MHz		5366	57.59	-16.41	74	44.15	34.91	11.71	33.18	202	35	P	H
		5392.56	43.54	-10.46	54	30.14	34.94	11.74	33.28	202	35	A	H
	*	5580	103.69	-	-	90.58	35.14	11.98	34.01	202	35	P	H
	*	5580	93.59	-	-	80.48	35.14	11.98	34.01	202	35	A	H
		5729.56	57.38	-16.62	74	44.04	35.23	12.26	34.15	202	35	P	H
		5760.12	43.24	-10.76	54	29.85	35.26	12.33	34.2	202	35	A	H
		5385.04	57.27	-16.73	74	43.87	34.94	11.74	33.28	174	5	P	V
		5393.52	43.51	-10.49	54	30.11	34.94	11.74	33.28	174	5	A	V
	*	5580	102.27	-	-	89.16	35.14	11.98	34.01	174	5	P	V
	*	5580	91.72	-	-	78.61	35.14	11.98	34.01	174	5	A	V
		5763.48	57.81	-16.19	74	44.42	35.26	12.33	34.2	174	5	P	V
		5765	43.24	-10.76	54	29.85	35.26	12.33	34.2	174	5	A	V



802.11a CH 140 5700MHz	*	5700	102.11	-	-	88.84	35.21	12.18	34.12	196	35	P	H
	*	5700	91.47	-	-	78.2	35.21	12.18	34.12	196	35	A	H
		5744.52	57.47	-16.53	74	44.07	35.24	12.33	34.17	196	35	P	H
		5727	43.65	-10.35	54	30.31	35.23	12.26	34.15	196	35	A	H
													H
													H
	*	5700	103.22	-	-	89.95	35.21	12.18	34.12	156	346	P	V
	*	5700	91.72	-	-	78.45	35.21	12.18	34.12	156	346	A	V
		5725.56	58.06	-15.94	74	44.72	35.23	12.26	34.15	156	346	P	V
		5725.08	43.96	-10.04	54	30.62	35.23	12.26	34.15	156	346	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		11000	43.89	-30.11	74	48.15	37.9	16.94	59.1	100	0	P	H
		16500	49.07	-24.93	74	43.59	41.4	20.88	56.8	100	0	P	H
													H
													H
		11000	43.88	-30.12	74	48.14	37.9	16.94	59.1	100	0	P	V
		16500	49.91	-24.09	74	44.43	41.4	20.88	56.8	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	44.58	-29.42	74	48.17	38	17.08	58.67	100	0	P	H
		16740	48.93	-25.07	74	42.62	41.88	21.04	56.61	100	0	P	H
													H
													H
		11160	43.68	-30.32	74	47.27	38	17.08	58.67	100	0	P	V
		16740	49.04	-24.96	74	42.73	41.88	21.04	56.61	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	43.88	-30.12	74	46.49	38.14	17.31	58.06	100	0	P	H
		17100	50.06	-23.94	74	42.93	42.32	21.27	56.46	100	0	P	H
													H
													H
		11400	43.4	-30.6	74	46.01	38.14	17.31	58.06	100	0	P	V
		17100	50.81	-23.19	74	43.68	42.32	21.27	56.46	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	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 CH 100 5500MHz		5395.92	57.61	-16.39	74	44.19	34.96	11.74	33.28	100	10	P	H
		5470	43.66	-10.34	54	30.32	35.05	11.86	33.57	100	10	A	H
	*	5500	103.02	-	-	89.72	35.1	11.86	33.66	100	10	P	H
	*	5500	89.64	-	-	76.34	35.1	11.86	33.66	100	10	A	H
													H
													H
		5395.6	57.31	-16.69	74	43.89	34.96	11.74	33.28	198	5	P	V
		5469.84	43.46	-10.54	54	30.12	35.05	11.86	33.57	198	5	A	V
	*	5500	101.32	-	-	88.02	35.1	11.86	33.66	198	5	P	V
	*	5500	88.26	-	-	74.96	35.1	11.86	33.66	198	5	A	V
													V
													V
802.11n HT20 CH 116 5580MHz		5382.16	57.09	-16.91	74	43.69	34.94	11.74	33.28	182	34	P	H
		5392.24	43.44	-10.56	54	30.04	34.94	11.74	33.28	182	34	A	H
	*	5580	103.91	-	-	90.8	35.14	11.98	34.01	182	34	P	H
	*	5580	90.29	-	-	77.18	35.14	11.98	34.01	182	34	A	H
		5750.76	57.1	-16.9	74	43.7	35.24	12.33	34.17	182	34	P	H
		5763.56	43.16	-10.84	54	29.77	35.26	12.33	34.2	182	34	A	H
		5408.4	57.77	-16.23	74	44.46	34.96	11.74	33.39	164	6	P	V
		5399.28	43.42	-10.58	54	30.11	34.96	11.74	33.39	164	6	A	V
	*	5580	102.41	-	-	89.3	35.14	11.98	34.01	164	6	P	V
	*	5580	89.28	-	-	76.17	35.14	11.98	34.01	164	6	A	V
		5739	57.44	-16.56	74	44.11	35.24	12.26	34.17	164	6	P	V
		5763.88	43.17	-10.83	54	29.78	35.26	12.33	34.2	164	6	A	V



802.11n HT20 CH 140 5700MHz	*	5700	102.4	-	-	89.13	35.21	12.18	34.12	207	9	P	H
	*	5700	89.66	-	-	76.39	35.21	12.18	34.12	207	9	A	H
		5725.24	58.16	-15.84	74	44.82	35.23	12.26	34.15	207	9	P	H
		5725.08	44.1	-9.9	54	30.76	35.23	12.26	34.15	207	9	A	H
													H
													H
	*	5700	101.85	-	-	88.58	35.21	12.18	34.12	219	4	P	V
	*	5700	89.65	-	-	76.38	35.21	12.18	34.12	219	4	A	V
		5736.84	57.95	-16.05	74	44.62	35.24	12.26	34.17	219	4	P	V
		5725	43.94	-10.06	54	30.6	35.23	12.26	34.15	219	4	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	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 CH 100 5500MHz		11000	43.45	-30.55	74	47.71	37.9	16.94	59.1	100	0	P	H
		16500	49.15	-24.85	74	43.67	41.4	20.88	56.8	100	0	P	H
													H
													H
		11000	44.15	-29.85	74	48.41	37.9	16.94	59.1	100	0	P	V
		16500	49.09	-24.91	74	43.61	41.4	20.88	56.8	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	43.03	-30.97	74	46.62	38	17.08	58.67	100	0	P	H
		16740	48.46	-25.54	74	42.15	41.88	21.04	56.61	100	0	P	H
													H
													H
		11160	43.15	-30.85	74	46.74	38	17.08	58.67	100	0	P	V
		16740	49.44	-24.56	74	43.13	41.88	21.04	56.61	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	43.26	-30.74	74	45.87	38.14	17.31	58.06	100	0	P	H
		17100	50.74	-23.26	74	43.61	42.32	21.27	56.46	100	0	P	H
													H
													H
		11400	43.59	-30.41	74	46.2	38.14	17.31	58.06	100	0	P	V
		17100	50.19	-23.81	74	43.06	42.32	21.27	56.46	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		5469.04	59.43	-14.57	74	46.09	35.05	11.86	33.57	102	285	P	H
		5469.68	47.12	-6.88	54	33.78	35.05	11.86	33.57	102	285	A	H
	*	5510	98.96	-	-	85.68	35.1	11.92	33.74	102	285	P	H
	*	5510	88.37	-	-	75.09	35.1	11.92	33.74	102	285	A	H
		5757.32	57.53	-16.47	74	44.14	35.26	12.33	34.2	102	285	P	H
		5764.92	44.43	-9.57	54	31.04	35.26	12.33	34.2	102	285	A	H
		5463.28	58.93	-15.07	74	45.59	35.05	11.86	33.57	100	287	P	V
		5469.36	46.25	-7.75	54	32.91	35.05	11.86	33.57	100	287	A	V
	*	5510	96.89	-	-	83.61	35.1	11.92	33.74	100	287	P	V
	*	5510	86.39	-	-	73.11	35.1	11.92	33.74	100	287	A	V
		5751.08	57.58	-16.42	74	44.18	35.24	12.33	34.17	100	287	P	V
		5763.48	44.29	-9.71	54	30.9	35.26	12.33	34.2	100	287	A	V
802.11n HT40 CH 110 5550MHz		5465.2	57.78	-16.22	74	44.44	35.05	11.86	33.57	244	57	P	H
		5396.72	44.67	-9.33	54	31.25	34.96	11.74	33.28	244	57	A	H
	*	5550	98.86	-	-	85.58	35.13	11.98	33.83	244	57	P	H
	*	5550	87.78	-	-	74.5	35.13	11.98	33.83	244	57	A	H
		5760.44	57.17	-16.83	74	43.78	35.26	12.33	34.2	244	57	P	H
		5744.36	44.35	-9.65	54	30.95	35.24	12.33	34.17	244	57	A	H
		5375.92	59.24	-14.76	74	45.9	34.91	11.71	33.28	215	339	P	V
		5396.08	44.83	-9.17	54	31.41	34.96	11.74	33.28	215	339	A	V
	*	5550	96.35	-	-	83.07	35.13	11.98	33.83	215	339	P	V
	*	5550	86.07	-	-	72.79	35.13	11.98	33.83	215	339	A	V
		5751.8	57.57	-16.43	74	44.15	35.26	12.33	34.17	215	339	P	V
		5730.28	44.34	-9.66	54	31.02	35.23	12.26	34.17	215	339	A	V



802.11n HT40 CH 134 5670MHz		5361.52	57.32	-16.68	74	43.88	34.91	11.71	33.18	250	24	P	H
		5404.08	44.69	-9.31	54	31.38	34.96	11.74	33.39	250	24	A	H
	*	5670	97.94	-	-	84.65	35.2	12.18	34.09	250	24	P	H
	*	5670	87.56	-	-	74.27	35.2	12.18	34.09	250	24	A	H
		5728.6	57.34	-16.66	74	44	35.23	12.26	34.15	250	24	P	H
		5747.72	44.69	-9.31	54	31.29	35.24	12.33	34.17	250	24	A	H
		5387.12	57.28	-16.72	74	43.88	34.94	11.74	33.28	208	345	P	V
		5390	44.64	-9.36	54	31.24	34.94	11.74	33.28	208	345	A	V
	*	5670	98.19	-	-	84.9	35.2	12.18	34.09	208	345	P	V
	*	5670	87.54	-	-	74.25	35.2	12.18	34.09	208	345	A	V
		5753.4	58.03	-15.97	74	44.61	35.26	12.33	34.17	208	345	P	V
		5727.88	45.09	-8.91	54	31.75	35.23	12.26	34.15	208	345	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 102 5510MHz		11020	44.12	-29.88	74	48.33	37.91	16.94	59.06	100	0	P	H
		16530	47.93	-26.07	74	42.32	41.47	20.91	56.77	100	0	P	H
													H
													H
		11020	44.28	-29.72	74	48.49	37.91	16.94	59.06	100	0	P	V
		16530	48.53	-25.47	74	42.92	41.47	20.91	56.77	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	43.76	-30.24	74	47.63	37.96	17.01	58.84	100	0	P	H
		16650	49.56	-24.44	74	43.54	41.71	20.99	56.68	100	0	P	H
													H
													H
		11100	43.05	-30.95	74	46.92	37.96	17.01	58.84	100	0	P	V
		16650	49.1	-24.9	74	43.08	41.71	20.99	56.68	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	44.53	-29.47	74	47.43	38.1	17.23	58.23	100	0	P	H
		17010	50.18	-23.82	74	42.98	42.39	21.22	56.41	100	0	P	H
													H
													H
		11340	43.92	-30.08	74	46.82	38.1	17.23	58.23	100	0	P	V
		17010	50.96	-23.04	74	43.76	42.39	21.22	56.41	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 106 5530MHz		5444.08	61.91	-12.09	74	48.58	35.01	11.8	33.48	100	66	P	H
		5470	49.5	-4.5	54	36.16	35.05	11.86	33.57	100	66	A	H
	*	5530	97.61	-	-	84.41	35.11	11.92	33.83	100	66	P	H
	*	5530	86.25	-	-	73.05	35.11	11.92	33.83	100	66	A	H
		5750.04	57.06	-16.94	74	43.66	35.24	12.33	34.17	100	66	P	H
		5760.84	44.66	-9.34	54	31.27	35.26	12.33	34.2	100	66	A	H
		5441.04	58.58	-15.42	74	45.25	35.01	11.8	33.48	167	9	P	V
		5468.72	46.82	-7.18	54	33.48	35.05	11.86	33.57	167	9	A	V
	*	5530	95.56	-	-	82.36	35.11	11.92	33.83	167	9	P	V
	*	5530	83.8	-	-	70.6	35.11	11.92	33.83	167	9	A	V
		5757.72	57.5	-16.5	74	44.11	35.26	12.33	34.2	167	9	P	V
		5762.2	44.81	-9.19	54	31.42	35.26	12.33	34.2	167	9	A	V
802.11ac VHT80 CH 122 5610MHz		5395.6	57.9	-16.1	74	44.48	34.96	11.74	33.28	100	10	P	H
		5409.2	44.93	-9.07	54	31.62	34.96	11.74	33.39	100	10	A	H
	*	5610	97.71	-	-	84.55	35.16	12.04	34.04	100	10	P	H
	*	5610	85.96	-	-	72.8	35.16	12.04	34.04	100	10	A	H
		5734.44	57.58	-16.42	74	44.26	35.23	12.26	34.17	100	10	P	H
		5731.48	44.96	-9.04	54	31.64	35.23	12.26	34.17	100	10	A	H
		5373.68	57.35	-16.65	74	44.01	34.91	11.71	33.28	132	10	P	V
		5373.84	45.13	-8.87	54	31.79	34.91	11.71	33.28	132	10	A	V
	*	5610	95.33	-	-	82.17	35.16	12.04	34.04	132	10	P	V
	*	5610	84.11	-	-	70.95	35.16	12.04	34.04	132	10	A	V
		5763.88	57.64	-16.36	74	44.25	35.26	12.33	34.2	132	10	P	V
		5752.44	44.68	-9.32	54	31.26	35.26	12.33	34.17	132	10	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	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 106 5530MHz		11060	42.88	-31.12	74	46.9	37.94	16.97	58.93	100	0	P	H
		16590	47.64	-26.36	74	41.84	41.57	20.96	56.73	100	0	P	H
													H
													H
		11060	43.44	-30.56	74	47.46	37.94	16.97	58.93	100	0	P	V
		16590	47.53	-26.47	74	41.73	41.57	20.96	56.73	100	0	P	V
													V
													V
802.11ac VHT80 CH 122 5610MHz		11220	43.26	-30.74	74	46.65	38.03	17.12	58.54	100	0	P	H
		16830	49.24	-24.76	74	42.6	42.06	21.12	56.54	100	0	P	H
													H
													H
		11220	43.47	-30.53	74	46.86	38.03	17.12	58.54	100	0	P	V
		16830	49.33	-24.67	74	42.69	42.06	21.12	56.54	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	*	5720	102.65	-	-	89.31	35.23	12.26	34.15	204	20	P	H
	*	5720	92	-	-	78.66	35.23	12.26	34.15	204	20	A	H
													H
													H
													H
													H
	*	5720	101.43	-	-	88.09	35.23	12.26	34.15	148	14	P	V
	*	5720	90.2	-	-	76.86	35.23	12.26	34.15	148	14	A	V
													V
													V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													

Band 3 Straddle Channel

WIFI 802.11a (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 144 5720MHz		11440	43.11	-30.89	74	45.57	38.16	17.35	57.97	100	0	P	H
		17160	50.97	-23.03	74	43.88	42.27	21.32	56.5	100	0	P	H
													H
													H
		11440	43.25	-30.75	74	45.71	38.16	17.35	57.97	100	0	P	V
		17160	50.02	-23.98	74	42.93	42.27	21.32	56.5	100	0	P	V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													



Band 3 Straddle Channel

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	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 CH 144 5720MHz	*	5720	102.61	-	-	89.27	35.23	12.26	34.15	213	18	P	H
	*	5720	89.79	-	-	76.45	35.23	12.26	34.15	213	18	A	H
													H
													H
													H
													H
	*	5720	101.55	-	-	88.21	35.23	12.26	34.15	109	12	P	V
	*	5720	88.86	-	-	75.52	35.23	12.26	34.15	109	12	A	V
													V
													V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													

Band 3 Straddle Channel

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT20 CH 144 5720MHz		11440	44.44	-29.56	74	46.9	38.16	17.35	57.97	100	0	P	H
		17160	50.2	-23.8	74	43.11	42.27	21.32	56.5	100	0	P	H
													H
													H
		11440	43.54	-30.46	74	46	38.16	17.35	57.97	100	0	P	V
		17160	49.53	-24.47	74	42.44	42.27	21.32	56.5	100	0	P	V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													



Band 3 Straddle Channel

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 142 5710MHz	*	5710	99.62	-	-	86.29	35.22	12.26	34.15	214	18	P	H
	*	5710	88.43	-	-	75.1	35.22	12.26	34.15	214	18	A	H
													H
													H
													H
													H
	*	5710	98.31	-	-	84.98	35.22	12.26	34.15	230	8	P	V
	*	5710	87.48	-	-	74.15	35.22	12.26	34.15	230	8	A	V
													V
													V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													

Band 3 Straddle Channel

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 CH 142 5710MHz		11420	43.6	-30.4	74	46.16	38.15	17.31	58.02	100	0	P	H
		17130	49.7	-24.3	74	42.59	42.29	21.3	56.48	100	0	P	H
													H
													H
		11420	43.5	-30.5	74	46.06	38.15	17.31	58.02	100	0	P	V
		17130	49.86	-24.14	74	42.75	42.29	21.3	56.48	100	0	P	V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													



Band 3 Straddle Channel

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	96.55	-	-	83.28	35.21	12.18	34.12	227	18	P	H
	*	5690	85.85	-	-	72.58	35.21	12.18	34.12	227	18	A	H
													H
													H
													H
													H
	*	5690	96.51	-	-	83.24	35.21	12.18	34.12	220	10	P	V
	*	5690	84.93	-	-	71.66	35.21	12.18	34.12	220	10	A	V
													V
													V
													V
													V
Remark - No other spurious found. - All results are PASS against Peak and Average limit line.													

Band 3 Straddle Channel

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1+2		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 CH 138 5690MHz		11380	44.29	-29.71	74	46.99	38.13	17.27	58.1	100	0	P	H
		17070	49.62	-24.38	74	42.44	42.35	21.27	56.44	100	0	P	H
													H
													H
		11380	44.81	-29.19	74	47.51	38.13	17.27	58.1	100	0	P	V
		17070	49.61	-24.39	74	42.43	42.35	21.27	56.44	100	0	P	V
													V
													V
Remark - No other spurious found. - 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		30.27	31.21	-8.79	40	42.14	18.8	1.77	31.5	100	0	P	H
		140.97	25.36	-18.14	43.5	42.35	11.5	2.61	31.1	-	-	P	H
		291.09	17.14	-28.86	46	31.96	13.11	3.16	31.09	-	-	P	H
		433.7	19.65	-26.35	46	29.81	16.94	3.63	30.73	-	-	P	H
		678	24.14	-21.86	46	29.75	20.48	4.35	30.44	-	-	P	H
		981.1	29.75	-24.25	54	30.03	24.96	5.03	30.27	-	-	P	H
													H
													H
													H
													H
													H
													H
		30	29.91	-10.09	40	40.84	18.8	1.77	31.5	100	0	P	V
		197.13	19.29	-24.21	43.5	38.69	9.01	2.69	31.1	-	-	P	V
		229.53	17.58	-28.42	46	35.52	10.1	2.96	31	-	-	P	V
		468.7	20.04	-25.96	46	29.59	17.48	3.77	30.8	-	-	P	V
		652.1	24.38	-21.62	46	30.28	20.38	4.22	30.5	-	-	P	V
		951.7	28.96	-17.04	46	29.97	24.45	4.94	30.4	-	-	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		30	30.83	-9.17	40	41.76	18.8	1.77	31.5	100	0	P	H	
		140.16	24.9	-18.6	43.5	41.89	11.5	2.61	31.1	-	-	P	H	
		236.82	18.94	-27.06	46	36.04	10.94	2.96	31	-	-	P	H	
		558.3	22.97	-23.03	46	29.75	19.98	4.01	30.77	-	-	P	H	
		798.4	27.4	-18.6	46	31.1	21.98	4.62	30.3	-	-	P	H	
		976.9	29.37	-24.63	54	29.78	24.94	4.94	30.29	-	-	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
		30	28.16	-11.84	40	39.09	18.8	1.77	31.5	100	0	P	V	
		162.84	17.81	-25.69	43.5	36.29	10.08	2.61	31.17	-	-	P	V	
		220.35	19.77	-26.23	46	38.51	9.3	2.96	31	-	-	P	V	
		544.3	21.54	-24.46	46	29.23	19.08	4.01	30.78	-	-	P	V	
		760.6	26.05	-19.95	46	29.85	22.1	4.48	30.38	-	-	P	V	
		949.6	28.95	-17.05	46	30.01	24.4	4.94	30.4	-	-	P	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	31.42	-8.58	40	42.35	18.8	1.77	31.5	100	0	P	H
		140.7	24.74	-18.76	43.5	41.73	11.5	2.61	31.1	-	-	P	H
		216.57	17.76	-28.24	46	36.85	9.26	2.69	31.04	-	-	P	H
		556.2	22.96	-23.04	46	29.8	19.92	4.01	30.77	-	-	P	H
		725.6	26.02	-19.98	46	30.28	21.73	4.41	30.4	-	-	P	H
		969.2	29.33	-24.67	54	29.93	24.79	4.94	30.33	-	-	P	H
													H
													H
													H
													H
													H
													H
		65.91	30.74	-9.26	40	53.82	6.08	2.06	31.22	100	0	P	V
		139.89	15.19	-28.31	43.5	32.41	11.5	2.38	31.1	-	-	P	V
		258.96	16.86	-29.14	46	31.06	13.84	2.96	31	-	-	P	V
		553.4	23.44	-22.56	46	30.33	19.88	4.01	30.78	-	-	P	V
		730.5	26.29	-19.71	46	30.28	22	4.41	30.4	-	-	P	V
		932.8	28.27	-17.73	46	29.54	24.3	4.8	30.37	-	-	P	V
													V
													V
													V
													V
													V
													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	31.23	-8.77	40	42.16	18.8	1.77	31.5	100	0	P	H
		141.51	24.69	-18.81	43.5	41.68	11.5	2.61	31.1	-	-	P	H
		248.16	17.18	-28.82	46	33.02	12.2	2.96	31	-	-	P	H
		449.8	19.82	-26.18	46	29.64	17.3	3.63	30.75	-	-	P	H
		733.3	25.65	-20.35	46	29.58	22.06	4.41	30.4	-	-	P	H
		998.6	29.76	-24.24	54	30.31	24.62	5.03	30.2	-	-	P	H
													H
													H
													H
													H
													H
													H
		30.54	29.83	-10.17	40	41.24	18.28	1.77	31.46	100	0	P	V
		158.52	15.6	-27.9	43.5	33.6	10.58	2.61	31.19	-	-	P	V
		259.23	16.5	-29.5	46	30.7	13.84	2.96	31	-	-	P	V
		386.8	18.1	-27.9	46	30.17	15.38	3.52	30.97	-	-	P	V
		723.5	24.7	-21.3	46	29.07	21.62	4.41	30.4	-	-	P	V
		976.9	30.3	-23.7	54	30.71	24.94	4.94	30.29	-	-	P	V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	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”.

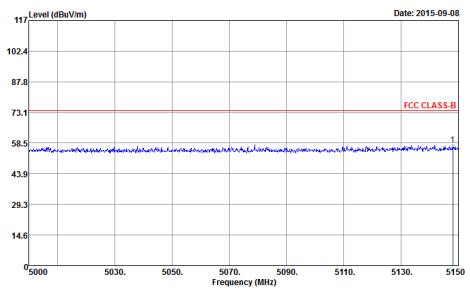
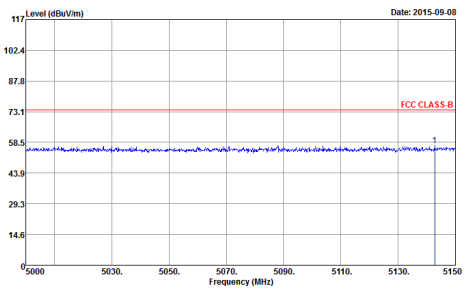
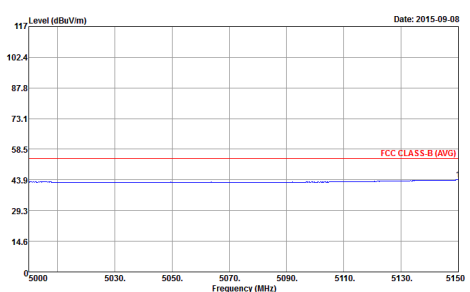
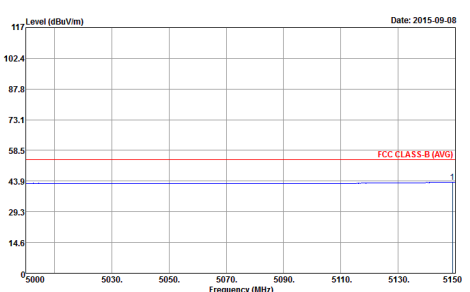


Appendix C. Radiated Spurious Emission

Test Engineer :	Wei Chen, James Chiu, and Ken Wu	Temperature :	21~23°C
		Relative Humidity :	41~42%

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 : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VEW:3000.000kHz SWT:Auto Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VEW:3000.000kHz SWT:Auto Detector : Peak
Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VEW:0.010kHz SWT:Auto Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VEW: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	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal orientation. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at approximately 73.1 dBuV/m. The measured signal (blue line) is below this limit, with a peak value of 58.5 dBuV/m. A small peak is visible at 5090 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical orientation. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at approximately 73.1 dBuV/m. The measured signal (blue line) is below this limit, with a peak value of 58.5 dBuV/m. A small peak is visible at 5090 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak
Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal orientation. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 58.5 dBuV/m. The measured signal (blue line) is below this limit, with an average value of 43.9 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical orientation. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 58.5 dBuV/m. The measured signal (blue line) is below this limit, with an average value of 43.9 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:0.010kHz SWT:Auto



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07.HY Condition : FCC CLASS-B 3m HF-ANT, 130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Site : 03CH07.HY Condition : FCC CLASS-B 3m HF-ANT, 130829 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Site : 03CH07.HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak	Site : 03CH07.HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 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	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at 73.1 dBuV/m. The measured signal is a noisy blue line that remains below the limit. A peak is marked at 5420 MHz. Site : 03CH07.HY Condition : FCC CLASS-B 3m HF-ANT_130829 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 14.6 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at 73.1 dBuV/m. The measured signal is a noisy blue line that remains below the limit. A peak is marked at 5420 MHz. Site : 03CH07.HY Condition : FCC CLASS-B 3m HF-ANT_130829 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 14.6 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 58.5 dBuV/m. The measured signal is a noisy blue line that remains below the limit. A peak is marked at 5420 MHz. Site : 03CH07.HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 14.6 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 58.5 dBuV/m. The measured signal is a noisy blue line that remains below the limit. A peak is marked at 5420 MHz. Site : 03CH07.HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak



Band 1 5150~5250MHz

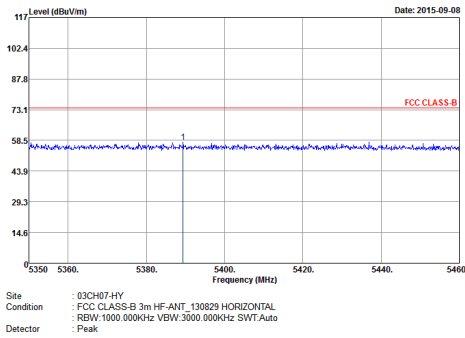
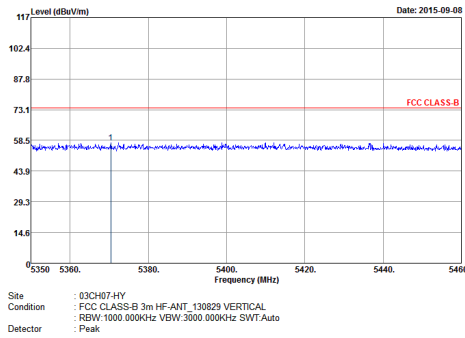
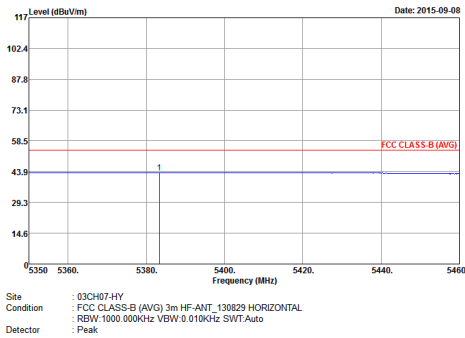
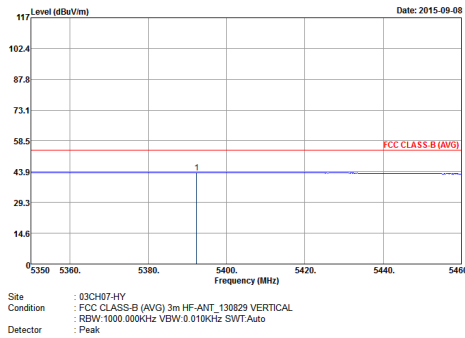
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Peak



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at 58.5 dBuV/m. The measured signal is below this limit. A peak is labeled '1' at approximately 5070 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at 58.5 dBuV/m. The measured signal is below this limit. A peak is labeled '1' at approximately 5070 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at 43.9 dBuV/m. The measured signal is below this limit. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at 43.9 dBuV/m. The measured signal is below this limit. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 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		
Avg.		



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2015-09-08 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-09-08 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak
Avg.	Level (dBuV/m) Date: 2015-09-08 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-09-08 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:0.010kHz SWT:Auto



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	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at 73.1 dBuV/m. The measured signal is a noisy blue line that remains below the limit. A peak is marked at 5150 MHz with a value of 58.5 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at 73.1 dBuV/m. The measured signal is a noisy blue line that remains below the limit. A peak is marked at 5150 MHz with a value of 58.5 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at 58.5 dBuV/m. The measured signal is a smooth blue line that remains below the limit. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:2.000kHz SWT:Auto	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at 58.5 dBuV/m. The measured signal is a smooth blue line that remains below the limit. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:2.000kHz SWT:Auto



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:2.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:2.000kHz SWT:Auto Peak



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:2.000kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:2.000kHz SWT:Auto Detector : Peak



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at approximately 73.1 dBuV/m. The measured signal (blue line) is below this limit. A peak is marked at 5130 MHz with a level of 58.5 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 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 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at approximately 73.1 dBuV/m. The measured signal (blue line) is below this limit. A peak is marked at 5130 MHz with a level of 58.5 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 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 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 58.5 dBuV/m. The measured signal (blue line) is below this limit. A peak is marked at 5130 MHz with a level of 43.9 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 58.5 dBuV/m. The measured signal (blue line) is below this limit. A peak is marked at 5130 MHz with a level of 43.9 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak

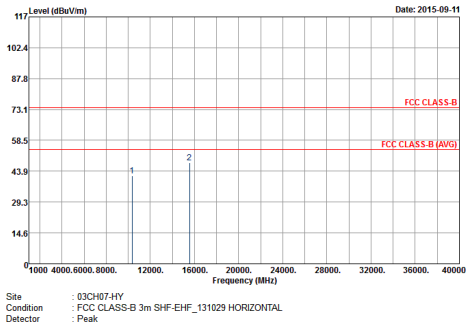
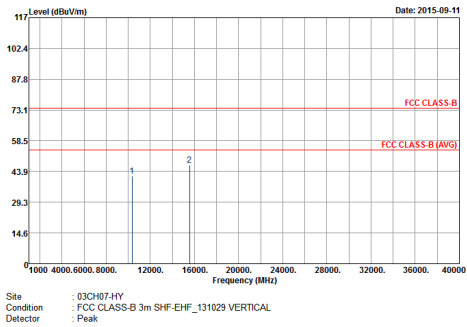


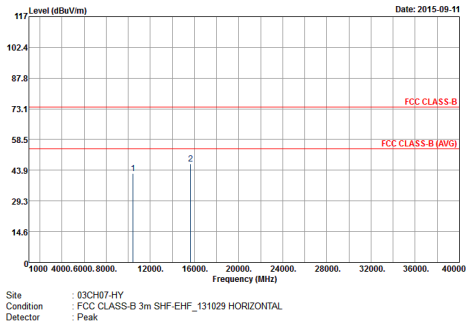
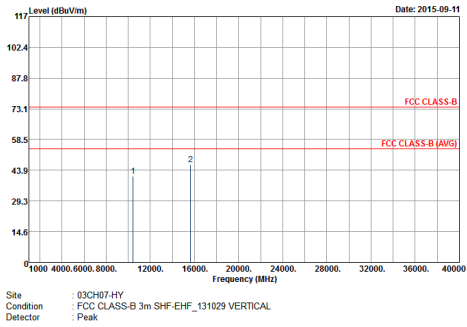
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak



Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

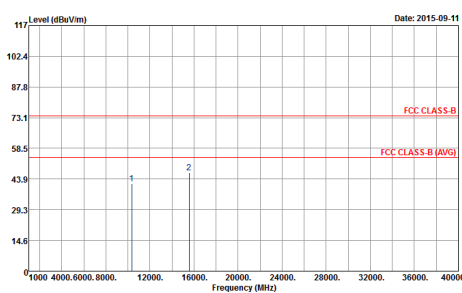
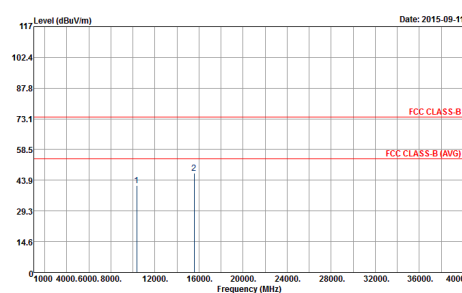
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak

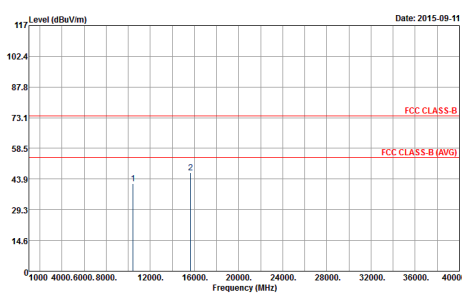
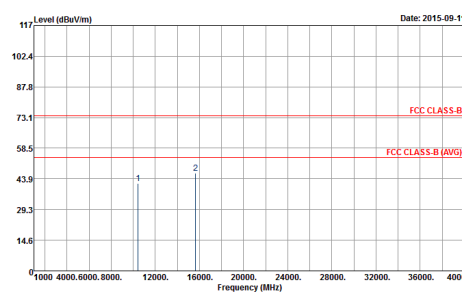
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 Level (dBuV/m) Date: 2015-09-11 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	117 102.4 87.8 73.1 58.5 43.9 29.3 14.6 Level (dBuV/m) Date: 2015-09-11 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 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.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak

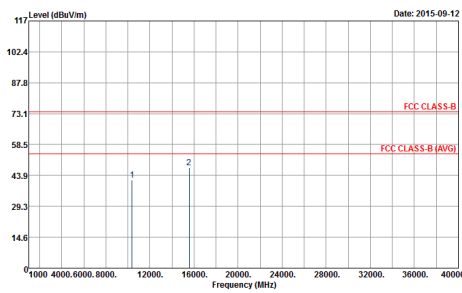
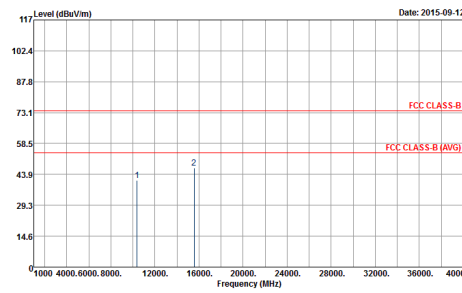


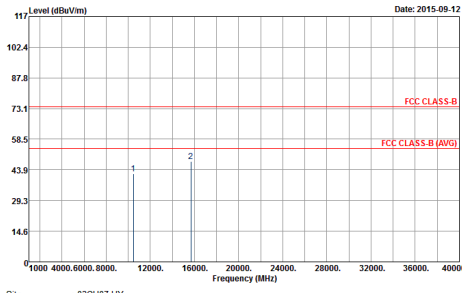
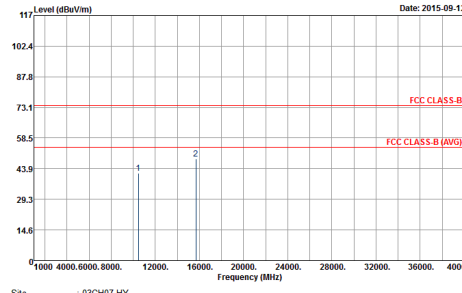
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH74HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Site : 03CH74HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak



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 : 03CH07-HY Condition : 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : 3m SHF-EHF_131029 VERTICAL Detector : Peak

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : 3m SHF-EHF_131029 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 : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 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 : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : 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 : 03CH07.HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Site : 03CH07.HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Site : 03CH07.HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak	Site : 03CH07.HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 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 : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:0.010kHz SWT:Auto	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:0.010kHz SWT:Auto



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	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at approximately 73.1 dBuV/m. The measured signal is shown as a blue line with a peak at 5090 MHz. The date is 2015-09-08. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 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 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at approximately 73.1 dBuV/m. The measured signal is shown as a blue line with a peak at 5090 MHz. The date is 2015-09-08. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 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 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 58.5 dBuV/m. The measured signal is shown as a blue line. The date is 2015-09-08. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at approximately 58.5 dBuV/m. The measured signal is shown as a blue line. The date is 2015-09-08. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 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	Level (dBuV/m) Frequency (MHz) Date: 2015-09-08 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Level (dBuV/m) Frequency (MHz) Date: 2015-09-08 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Level (dBuV/m) Frequency (MHz) Date: 2015-09-08 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak	Level (dBuV/m) Frequency (MHz) Date: 2015-09-08 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 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	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a noisy signal around 58.5 dBuV/m, well below the FCC CLASS-B limit of 73.1 dBuV/m. A small peak is visible at 5250 MHz. Site : 03CH07.HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a noisy signal around 58.5 dBuV/m, well below the FCC CLASS-B limit of 73.1 dBuV/m. A small peak is visible at 5250 MHz. Site : 03CH07.HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The average signal level is approximately 43.9 dBuV/m, significantly below the FCC CLASS-B (AVG) limit of 58.5 dBuV/m. Site : 03CH07.HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The average signal level is approximately 43.9 dBuV/m, significantly below the FCC CLASS-B (AVG) limit of 58.5 dBuV/m. Site : 03CH07.HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 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	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at 73.1 dBuV/m. The measured signal (blue line) is below this limit, with a peak at approximately 5440 MHz reaching about 58.5 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at 73.1 dBuV/m. The measured signal (blue line) is below this limit, with a peak at approximately 5440 MHz reaching about 58.5 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak
Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 14.6 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 58.5 dBuV/m. The measured signal (blue line) is below this limit, with a peak at approximately 5440 MHz reaching about 43.9 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 14.6 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 58.5 dBuV/m. The measured signal (blue line) is below this limit, with a peak at approximately 5440 MHz reaching about 43.9 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 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	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at 73.1 dBuV/m. The measured signal is a blue line with a peak at approximately 5050 MHz, reaching about 58.5 dBuV/m. A small peak is also visible at 5130 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B limit at 73.1 dBuV/m. The measured signal is a blue line with a peak at approximately 5050 MHz, reaching about 58.5 dBuV/m. A small peak is also visible at 5130 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak
Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at 58.5 dBuV/m. The measured signal is a blue line that is mostly flat at approximately 43.9 dBuV/m, with a small peak at 5130 MHz reaching about 45 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5000 to 5150 MHz. A red line indicates the FCC CLASS-B (AVG) limit at 58.5 dBuV/m. The measured signal is a blue line that is mostly flat at approximately 43.9 dBuV/m, with a small peak at 5130 MHz reaching about 45 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL 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	Level (dBuV/m) Date: 2015-09-09 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Level (dBuV/m) Date: 2015-09-09 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Level (dBuV/m) Date: 2015-09-09 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:2.000kHz SWT:Auto Detector : Peak	Level (dBuV/m) Date: 2015-09-09 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 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	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:2.000kHz SWT:Auto Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:2.000kHz SWT:Auto Detector : Peak

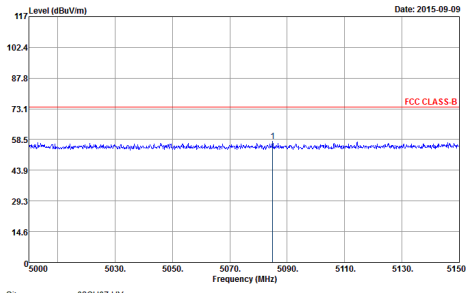
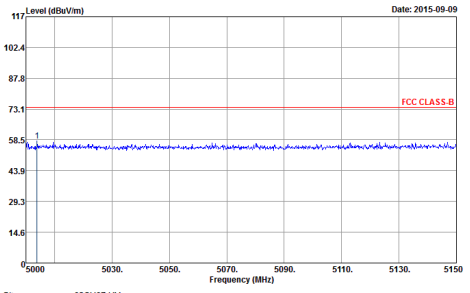
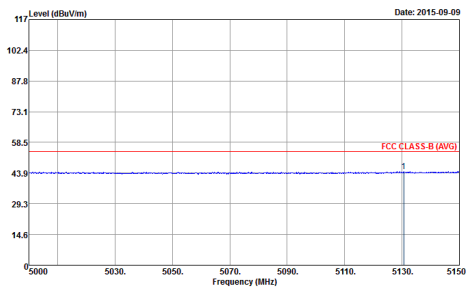
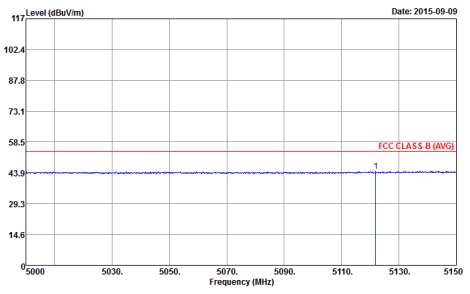


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5350 to 5460 MHz. A red line indicates the FCC CLASS-B limit at approximately 73.1 dBuV/m. The measured signal (blue line) is significantly below this limit, fluctuating around 58.5 dBuV/m. A small peak is visible at 5350 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 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 0 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 73.1 dBuV/m. The measured signal (blue line) is significantly below this limit, fluctuating around 58.5 dBuV/m. A small peak is visible at 5350 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 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 0 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 58.5 dBuV/m. The measured signal (blue line) is very close to this limit, fluctuating around 58.5 dBuV/m. A small peak is visible at 5350 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 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 0 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 58.5 dBuV/m. The measured signal (blue line) is very close to this limit, fluctuating around 58.5 dBuV/m. A small peak is visible at 5350 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:2.000kHz SWT:Auto Detector : Peak



Band 2 5250~5350MHz

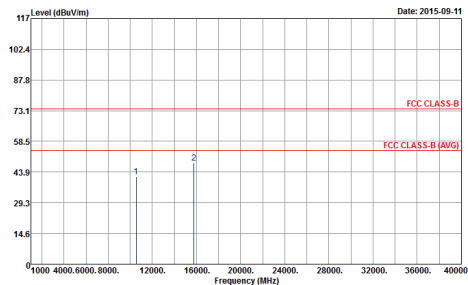
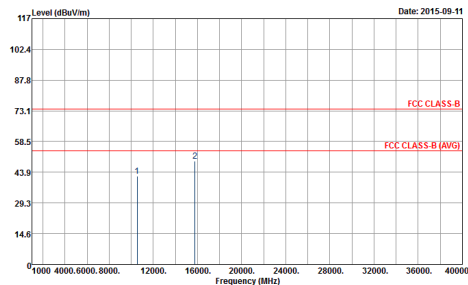
WIFI 802.11ac VHT80 (Band Edge @ 3m)

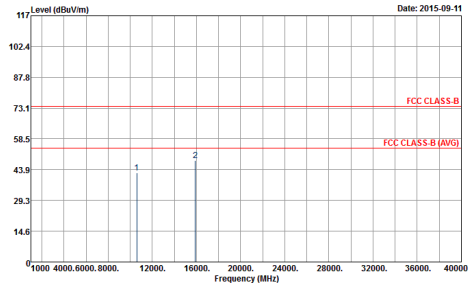
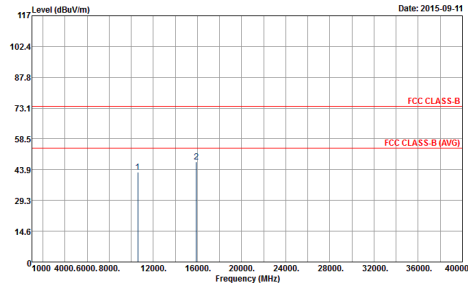
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3.000kHz SWT:Auto	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:3.000kHz SWT:Auto



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a noisy signal around 58.5 dBuV/m, with a red line indicating the FCC CLASS-B limit at 73.1 dBuV/m. A peak is marked at 5360 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a noisy signal around 58.5 dBuV/m, with a red line indicating the FCC CLASS-B limit at 73.1 dBuV/m. A peak is marked at 5360 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a noisy signal around 43.9 dBuV/m, with a red line indicating the FCC CLASS-B (AVG) limit at 58.5 dBuV/m. A peak is marked at 5360 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a noisy signal around 43.9 dBuV/m, with a red line indicating the FCC CLASS-B (AVG) limit at 58.5 dBuV/m. A peak is marked at 5360 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak

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

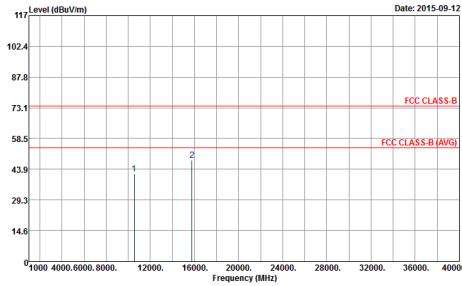
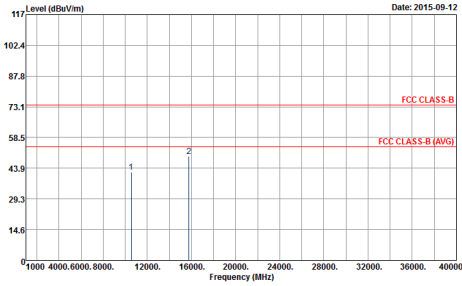
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak

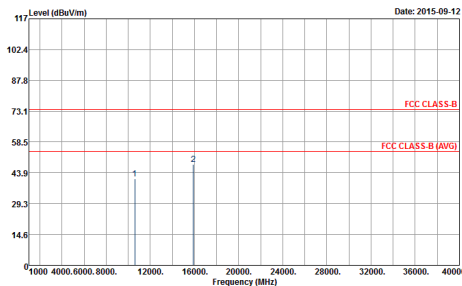
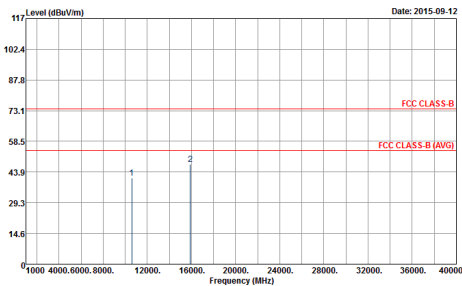
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-09-11 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-09-11 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 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 : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak

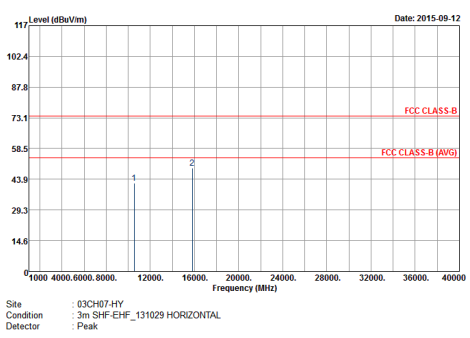
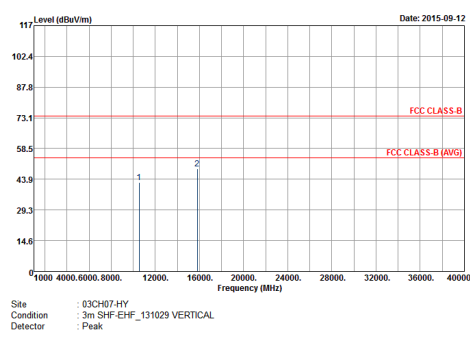


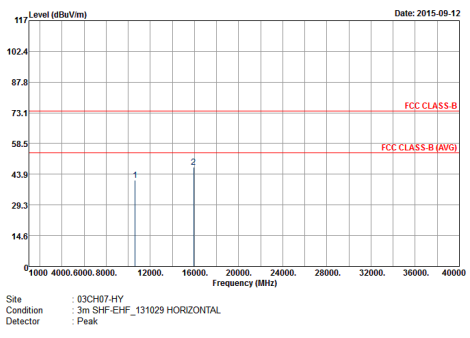
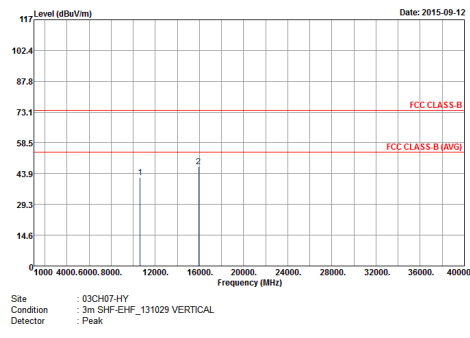
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak



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 : 03CH07-HY Condition : 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : 3m SHF-EHF_131029 VERTICAL Detector : Peak

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310 MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : 3m SHF-EHF_131029 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 : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 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	Level (dBuV/m) vs Frequency (MHz) plot for 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 73.1 dBuV/m. The blue trace shows the measured signal, which rises sharply after 5480 MHz, peaking at approximately 102.4 dBuV/m around 5500 MHz. A vertical marker '1' is placed at 5480 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : 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 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 73.1 dBuV/m. The blue trace shows the measured signal, which rises sharply after 5480 MHz, peaking at approximately 102.4 dBuV/m around 5500 MHz. A vertical marker '1' is placed at 5480 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : 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 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 58.5 dBuV/m. The blue trace shows the averaged signal, which rises sharply after 5480 MHz, peaking at approximately 102.4 dBuV/m around 5500 MHz. A vertical marker '1' is placed at 5480 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for 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 58.5 dBuV/m. The blue trace shows the averaged signal, which rises sharply after 5480 MHz, peaking at approximately 102.4 dBuV/m around 5500 MHz. A vertical marker '1' is placed at 5480 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak



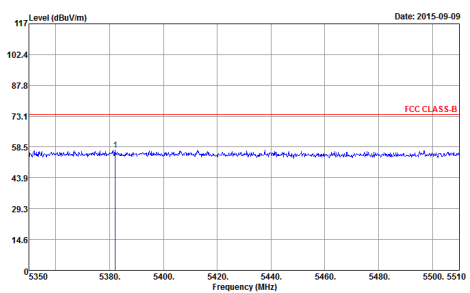
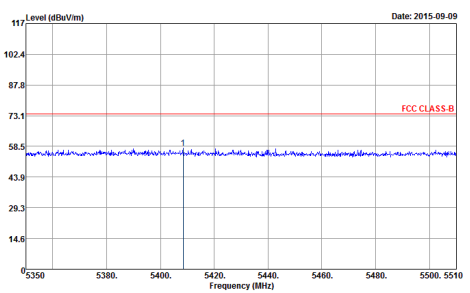
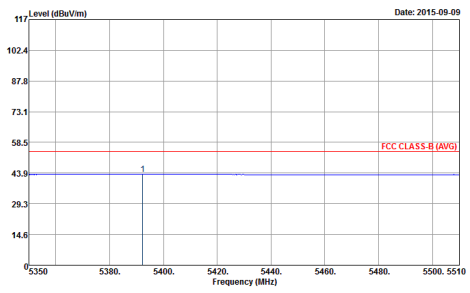
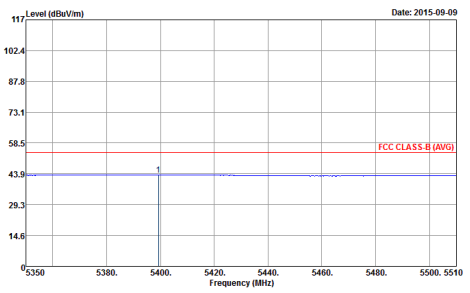
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a signal peaking around 5700 MHz, with a red line indicating the FCC CLASS-B limit. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a signal peaking around 5700 MHz, with a red line indicating the FCC CLASS-B limit. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak
Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization, averaged. The plot shows a signal peaking around 5700 MHz, with a red line indicating the FCC CLASS-B (AVG) limit. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization, averaged. The plot shows a signal peaking around 5700 MHz, with a red line indicating the FCC CLASS-B (AVG) limit. The y-axis ranges from 14.6 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL 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	Level (dBuV/m) vs Frequency (MHz) plot for 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 73.1 dBuV/m. The blue trace shows the measured signal, which is below the limit until approximately 5480 MHz, where it rises sharply to about 102.4 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for 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 73.1 dBuV/m. The blue trace shows the measured signal, which is below the limit until approximately 5480 MHz, where it rises sharply to about 102.4 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak
Avg.	Level (dBuV/m) vs Frequency (MHz) plot for 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 58.5 dBuV/m. The blue trace shows the measured signal, which is below the limit until approximately 5480 MHz, where it rises sharply to about 102.4 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for 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 58.5 dBuV/m. The blue trace shows the measured signal, which is below the limit until approximately 5480 MHz, where it rises sharply to about 102.4 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto	 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:3000.000kHz SWT:Auto
Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak RBW:1000.000kHz VBW:0.010kHz SWT:Auto	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak RBW:1000.000kHz VBW:0.010kHz SWT:Auto



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:0.0100kHz SWT:Auto Peak



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:0.010kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:0.010kHz SWT:Auto 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	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a blue line representing the signal level, which is mostly flat around 58.5 dBuV/m until approximately 5480 MHz, where it rises sharply to about 102.4 dBuV/m. A red horizontal line at 73.1 dBuV/m is labeled 'FCC CLASS-B'. A vertical blue line at 5480 MHz is labeled '1'. The x-axis ranges from 5350 to 5510 MHz, and the y-axis ranges from 14.6 to 117 dBuV/m. The date is 2015-09-09. Site : 03CH07-1HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a blue line representing the signal level, which is mostly flat around 58.5 dBuV/m until approximately 5480 MHz, where it rises sharply to about 102.4 dBuV/m. A red horizontal line at 73.1 dBuV/m is labeled 'FCC CLASS-B'. A vertical blue line at 5480 MHz is labeled '1'. The x-axis ranges from 5350 to 5510 MHz, and the y-axis ranges from 14.6 to 117 dBuV/m. The date is 2015-09-09. Site : 03CH07-1HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak
Avg.	Level (dBuV/m) vs Frequency (MHz) plot for Horizontal polarization. The plot shows a blue line representing the average signal level, which is mostly flat around 58.5 dBuV/m until approximately 5480 MHz, where it rises sharply to about 102.4 dBuV/m. A red horizontal line at 73.1 dBuV/m is labeled 'FCC CLASS-B (AVG)'. A vertical blue line at 5480 MHz is labeled '1'. The x-axis ranges from 5350 to 5510 MHz, and the y-axis ranges from 14.6 to 117 dBuV/m. The date is 2015-09-09. Site : 03CH07-1HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:2.000kHz SWT:Auto Detector : Peak	Level (dBuV/m) vs Frequency (MHz) plot for Vertical polarization. The plot shows a blue line representing the average signal level, which is mostly flat around 58.5 dBuV/m until approximately 5480 MHz, where it rises sharply to about 102.4 dBuV/m. A red horizontal line at 73.1 dBuV/m is labeled 'FCC CLASS-B (AVG)'. A vertical blue line at 5480 MHz is labeled '1'. The x-axis ranges from 5350 to 5510 MHz, and the y-axis ranges from 14.6 to 117 dBuV/m. The date is 2015-09-09. Site : 03CH07-1HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : 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	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a blue signal line fluctuating around 58.5 dBuV/m, with a red horizontal line at 73.1 dBuV/m labeled 'FCC CLASS-B'. A peak is marked at 5760 MHz. The x-axis ranges from 5685 to 5765 MHz, and the y-axis ranges from 14.6 to 117 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a blue signal line fluctuating around 58.5 dBuV/m, with a red horizontal line at 73.1 dBuV/m labeled 'FCC CLASS-B'. A peak is marked at 5760 MHz. The x-axis ranges from 5685 to 5765 MHz, and the y-axis ranges from 14.6 to 117 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak
Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a blue signal line fluctuating around 43.9 dBuV/m, with a red horizontal line at 58.5 dBuV/m labeled 'FCC CLASS-B (AVG)'. A peak is marked at 5760 MHz. The x-axis ranges from 5685 to 5765 MHz, and the y-axis ranges from 14.6 to 117 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:2.000kHz SWT:Auto Peak	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a blue signal line fluctuating around 43.9 dBuV/m, with a red horizontal line at 58.5 dBuV/m labeled 'FCC CLASS-B (AVG)'. A peak is marked at 5760 MHz. The x-axis ranges from 5685 to 5765 MHz, and the y-axis ranges from 14.6 to 117 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:2.000kHz SWT:Auto Peak



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:2.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:2.000kHz SWT:Auto Peak

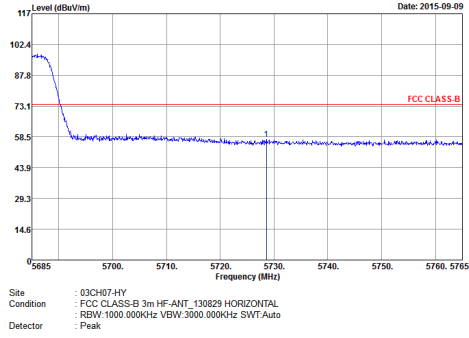
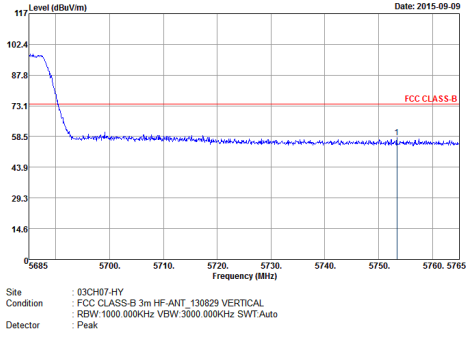
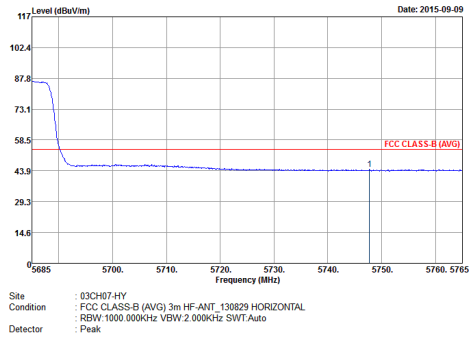
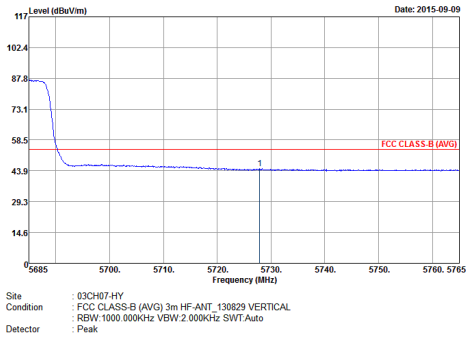


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B limit. A peak is marked at 5750 MHz. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B limit. A peak is marked at 5750 MHz. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak
Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B (AVG) limit. A peak is marked at 5750 MHz. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:2.000kHz SWT:Auto Peak	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B (AVG) limit. A peak is marked at 5750 MHz. The y-axis ranges from 0 to 117 dBuV/m, and the x-axis ranges from 5685 to 5765 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:2.000kHz SWT:Auto Peak



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - High channel location	
1+2	Horizontal	Vertical
Peak		
Avg.		



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 : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL 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 : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3.000kHz SWT:Auto Peak

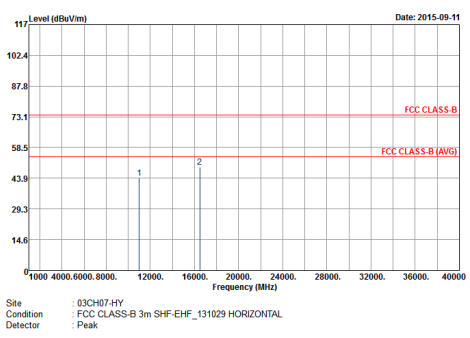
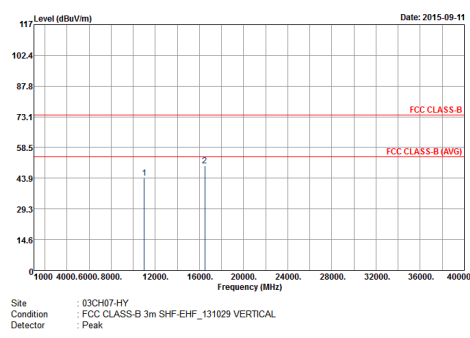


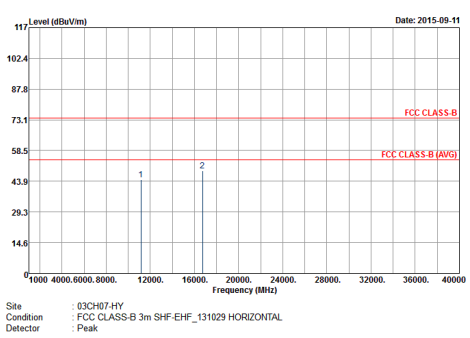
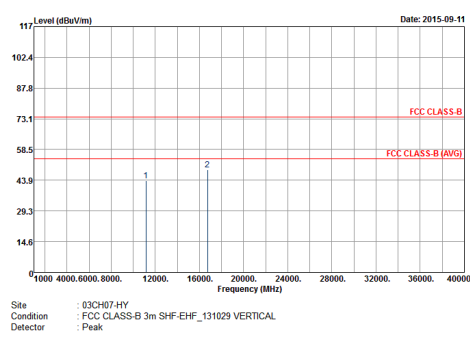
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - Low channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3.000kHz SWT:Auto Peak



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - High channel location	
1+2	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Peak
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : RBW:1000.000kHz VBW:3.000kHz SWT:Auto Peak	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : RBW:1000.000kHz VBW:3.000kHz SWT:Auto Peak

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

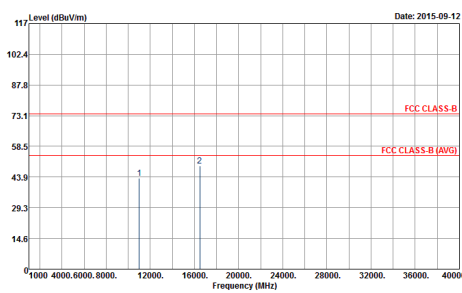
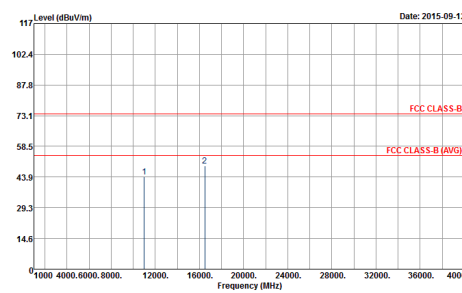
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07.HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07.HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak

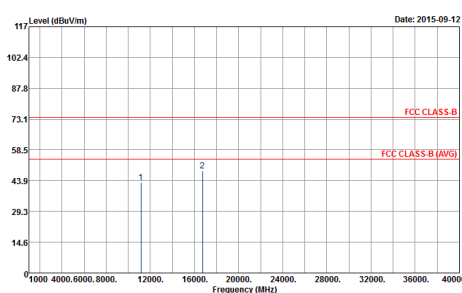
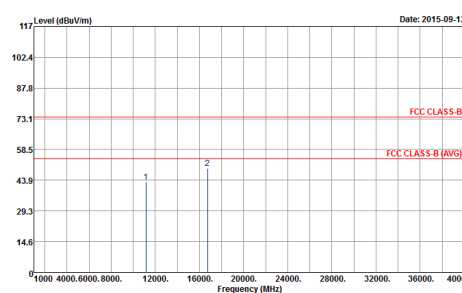
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07.HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07.HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2015-09-11 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Level (dBuV/m) Date: 2015-09-11 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 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 : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak

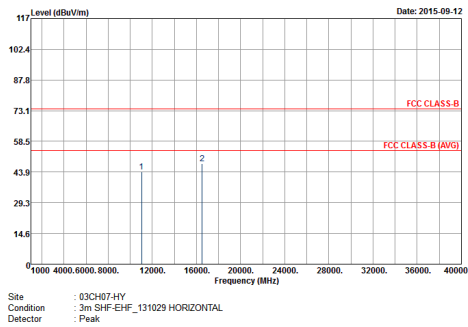
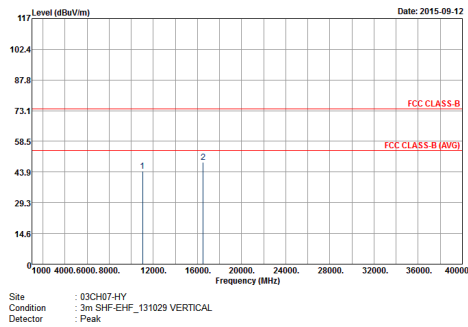


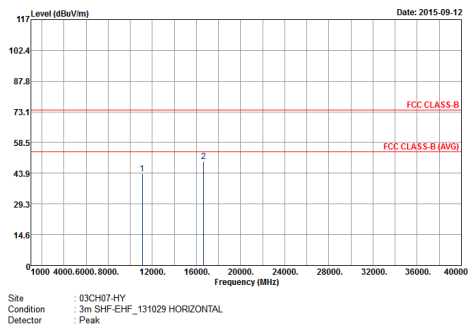
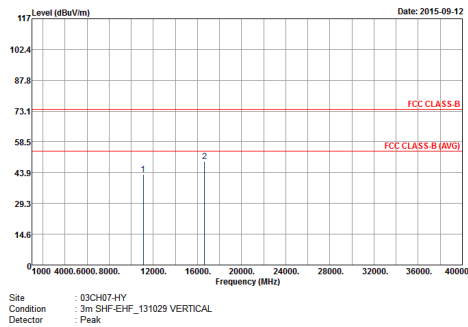
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : 3m SHF-EHF_131029 VERTICAL Detector : Peak



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 : 03CH07-HY Condition : 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : 3m SHF-EHF_131029 VERTICAL Detector : Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : 3m SHF-EHF_131029 VERTICAL Detector : Peak

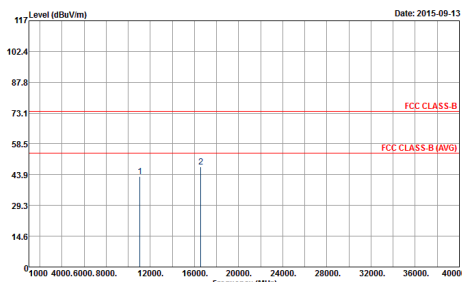
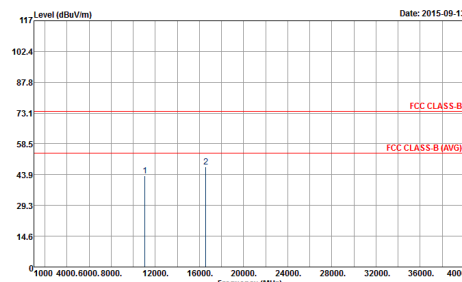


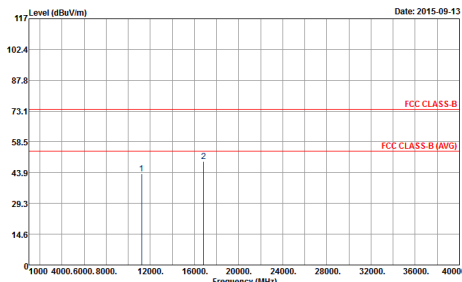
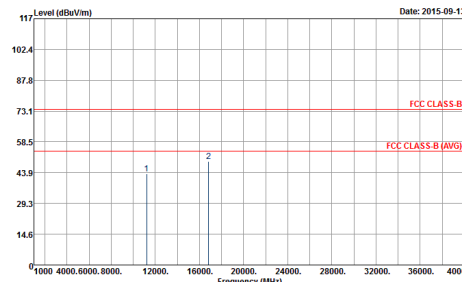
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : 3m SHF-EHF_131029 VERTICAL Detector : Peak



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 : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1+2	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 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 : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 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.	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 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 : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak

Band 3 – Straddle Channel

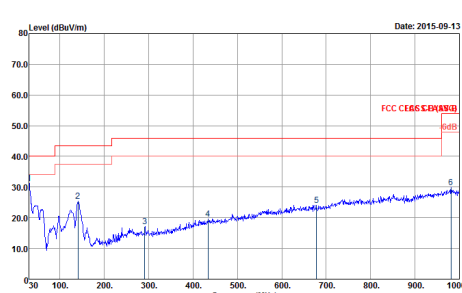
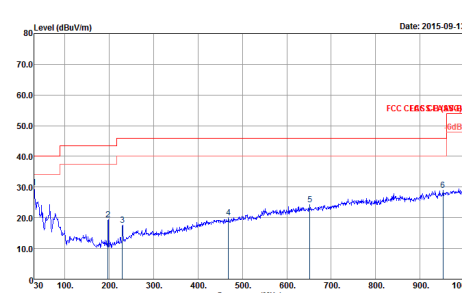
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1+2	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak



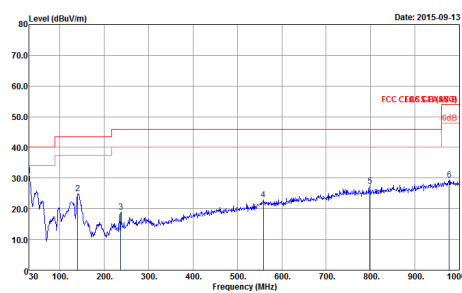
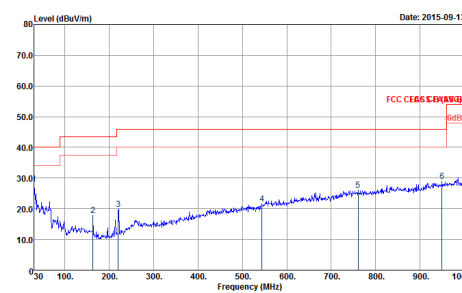
Emission below 1GHz

5GHz WIFI 802.11a (LF)

WIFI	5GHz WIFI	
ANT	802.11a LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m LF-ANT(131102) HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m LF-ANT(131102) VERTICAL Detector : Peak

Emission below 1GHz

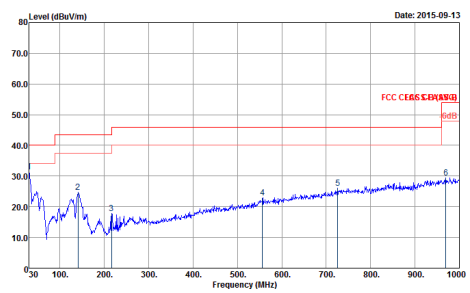
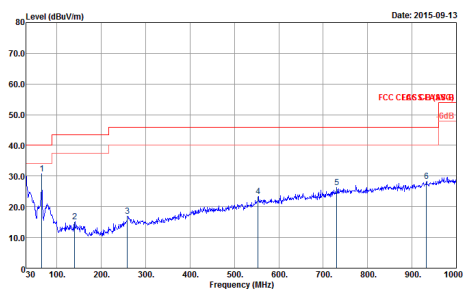
5GHz WIFI 802.11n HT20 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT20 LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m LF-ANT(131102) HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m LF-ANT(131102) VERTICAL Detector : Peak



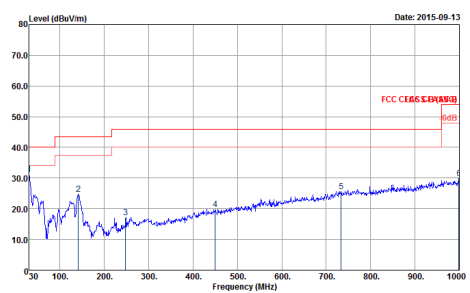
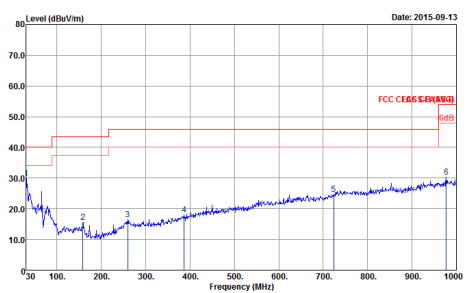
Emission below 1GHz

5GHz WIFI 802.11n HT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1+2	Horizontal	Vertical
QP / Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m LF-ANT(131102) HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m LF-ANT(131102) 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 : 03CH07-HY Condition : FCC CLASS-B 3m LF-ANT(131102) HORIZONTAL Detector : Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m LF-ANT(131102) VERTICAL Detector : Peak