



FCC RF Test Report

APPLICANT : Sony Mobile Communications Inc.
EQUIPMENT : GSM/WCDMA/LTE Phone + Bluetooth, DTS/UNII
a/b/g/n/ac, and NFC
BRAND NAME : Sony
FCC ID : PY7-PM0931
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was received on Feb. 18, 2016 and testing was completed on Mar. 18, 2016. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR621809E	Rev. 01	Initial issue of report	Apr. 01, 2016
FR621809E	Rev. 02	Adding duty cycle data in section 3.4.8.	Apr. 14, 2016

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 3.62 dB at 5148.200 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 9.70 dB at 0.454 MHz
3.6	15.407(g)	Frequency Stability	Within Operation Band	Pass	-
3.7	15.407(c)	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.8	15.203 & 15.407(a)	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

Sony Mobile Communications Inc.

4-12-3 Higashi-Shinagawa, Shinagawa-ku,Tokyo, 140-0002, Japan

1.2 Manufacturer

Sony Mobile Communications Inc.

4-12-3 Higashi-Shinagawa, Shinagawa-ku,Tokyo, 140-0002, Japan

1.3 Product Feature of Equipment Under Test

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

Product Specification subjective to this standard	
Antenna Type	Folded Monopole Antenna
Antenna Gain	<5150 MHz ~ 5250 MHz>
	-2.50 dBi
	<5250 MHz ~ 5350 MHz>
	-2.60 dBi
	<5470 MHz ~ 5725 MHz>
	-3.90 dBi

EUT Information List				
IMEI	HW Version	SW Version	S/N	Performed Test Item
IMEI 1: 004402455724264 IMEI 2: 004402455724272	A	34.0.A.0.325	CB5129YK3R	RF conducted measurement
IMEI 1: 004402455935860 IMEI 2: 004402455935878		34.0.A.0.325	CB5129YTV7	Radiated Spurious Emission
IMEI 1: 004402455937049 IMEI 2: 004402455937056		34.0.A.1.25	CB5129YTVH	Conducted Emission

Accessory List	
AC Adapter	Model No. : UCH20
	Type No. : AC-0061-US
	S/N :
	1515W22500105 (for radiated spurious emission) 1515W22500101 (for conducted emission)
Earphone	Model No. : MH410c
	Type No. : AG-1110
	S/N : 12361A15006EF0E
USB Cable	Model No. : UCB16
	Type No. : AI-0142
	S/N : 1602A9000002558

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.		
	TH02-HY	CO05-HY	03CH07-HY

Note: The test site complies with ANSI C63.4 2014 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 v01r01
- FCC KDB 644545 D03 Guidance for IEEE 802.11ac New Rules v01
- ANSI C63.10-2013

Remark:

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



2 Test Configuration of Equipment Under Test

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

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

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

2.1 Carrier Frequency 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
	108	5540	126	5630
	110	5550	128	5640
	112	5560	132	5660
	114	5570	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

Preliminary tests were performed in different data rate and data rate associated with the highest power were chosen for full test in the following tables.

5GHz 802.11a mode								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Avg. Power (dBm)	13.25	13.06	13.05	12.88	12.82	12.78	12.96	12.89

5GHz 802.11n HT20 mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Avg. Power (dBm)	13.15	12.97	12.91	12.92	12.93	12.68	12.76	12.98

5GHz 802.11n HT40mode								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Avg. Power (dBm)	13.20	13.02	13.03	12.95	13.11	13.09	13.08	13.07

5GHz 802.11ac VHT20 mode									
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8
Avg. Power (dBm)	13.12	12.35	12.25	12.25	12.22	12.27	12.25	12.26	12.28

5GHz 802.11ac VHT40 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Avg. Power (dBm)	13.31	12.46	12.37	12.47	12.50	12.54	12.52	12.54	12.49	12.52

5GHz 802.11ac VHT80 mode										
Data Rate (MHz)	MCS 0	MCS 1	MCS 2	MCS 3	MCS 4	MCS 5	MCS 6	MCS 7	MCS 8	MCS 9
Avg. Power (dBm)	13.40	12.62	12.64	12.63	12.48	12.53	12.62	12.59	12.59	12.71

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.

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

Test Cases	
AC Conducted Emission	Mode 1 : GSM1900 Idle + Bluetooth Link + WLAN (5GHz) Link + Camera (Rear) + 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		-	-	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		-	-	144

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



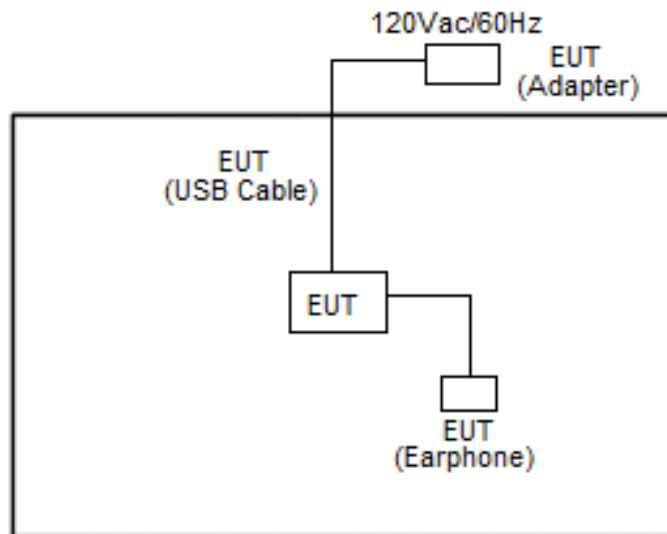
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

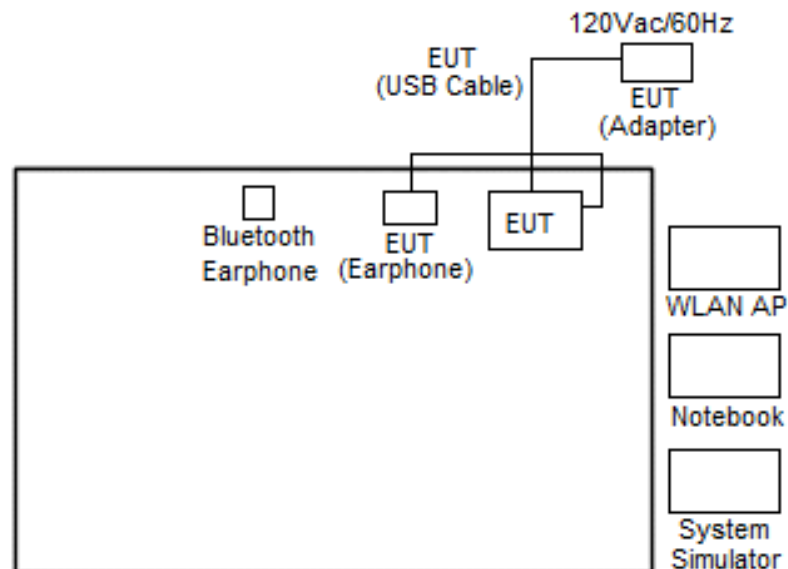
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	-
M	Middle	42	58	106
H	High	-	-	-
Straddle		-	-	138

2.4 Connection Diagram of Test System

<Radiated Emission 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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Samsung	SBH20	PY7-RD0010	Unshielded, 0.75 m	N/A
4.	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
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

2.6 EUT Operation Test Setup

For WLAN function, programmed RF utility, "Tera Term" installed in the notebook make the EUT provide functions like channel selection and power level for continuous transmitting and receiving signals.

2.7 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

Offset = RF cable loss + attenuator factor.

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

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

3 Test Result

3.1 26dB & 99% Occupied Bandwidth Measurement

3.1.1 Description of 26dB & 99% Occupied Bandwidth

This section is for reporting purpose only.

There is no restriction limits for bandwidth.

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

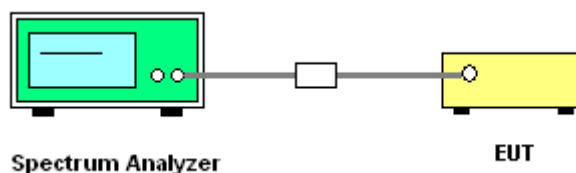
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r01. 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) $\geq 3 * RBW$.
8. Measure and record the results in the test report.

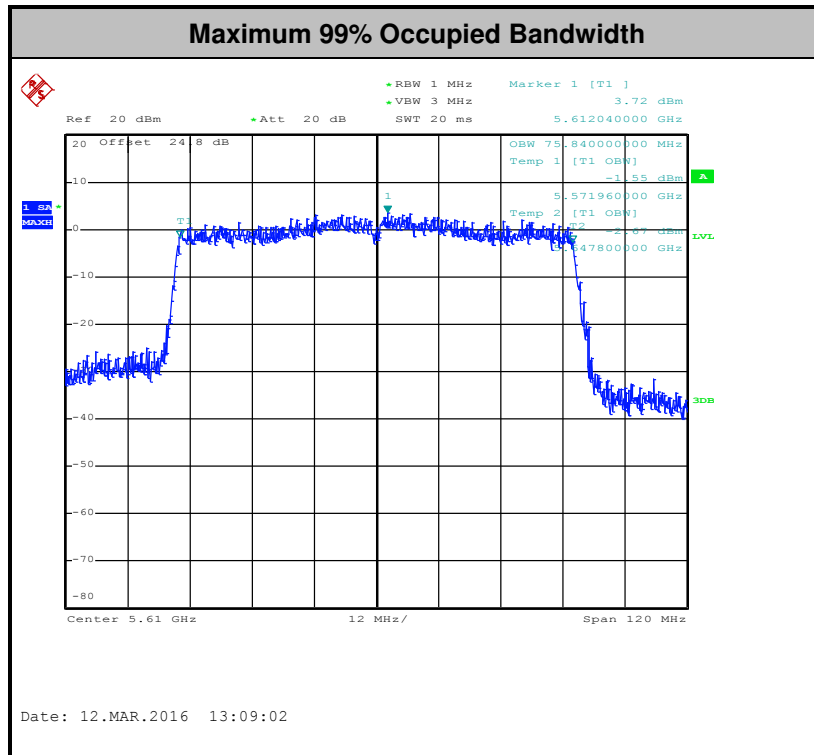
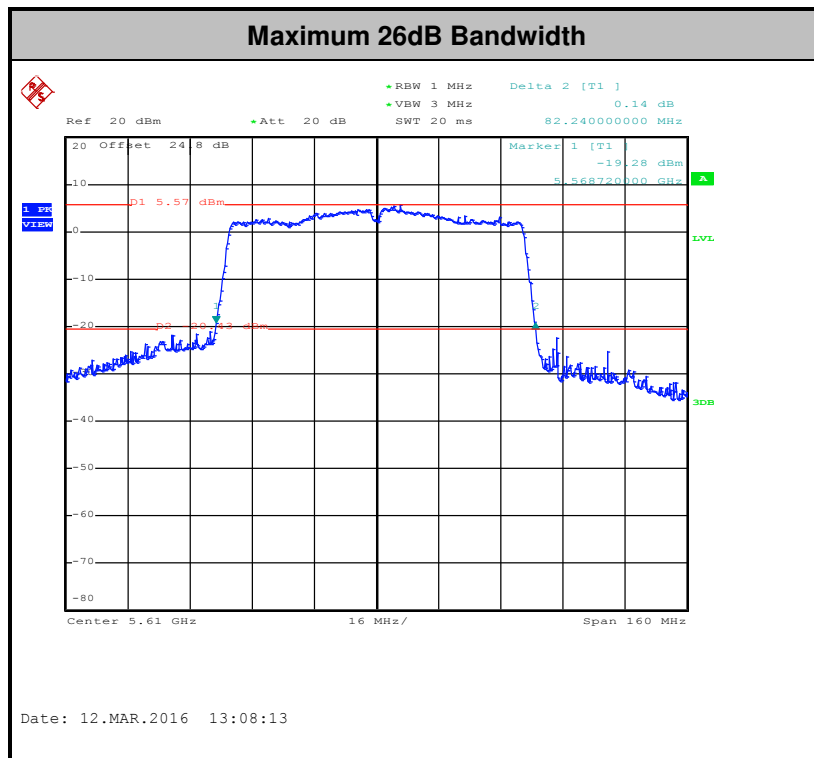
3.1.4 Test Setup





3.1.5 Test Result of 26dB & 99% Occupied Bandwidth Plots

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 5.25–5.725 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 v01r01.

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

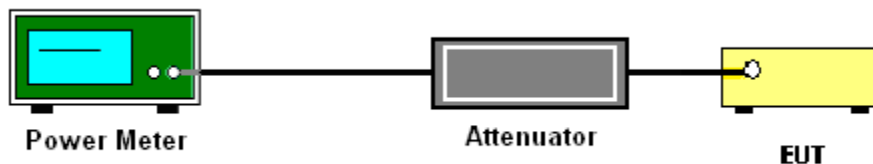
1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor, $10 \log(1/x)$, where x 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 v01r01.

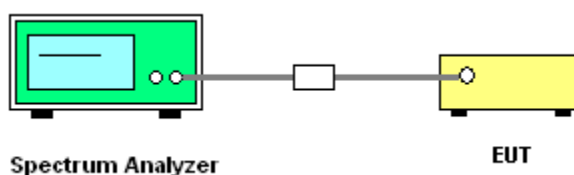
Compute power by integrating the spectrum across the 99% occupied bandwidth of the signal using the instrument's band power measurement function.

3.2.4 Test Setup

For normal channel:

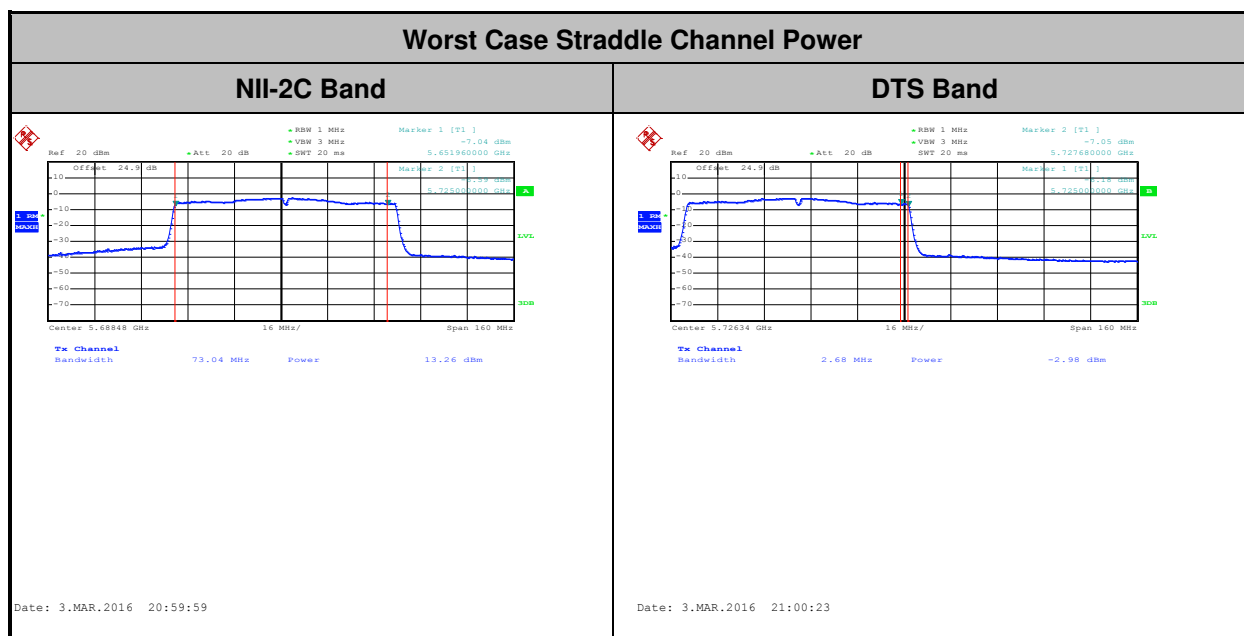


For straddle channel:



3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.



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 5.25–5.725 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 v01r01.
Section F) Maximum power spectral density.

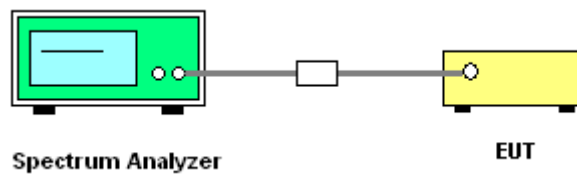
Method SA-2

(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 v01r01.
 - 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.

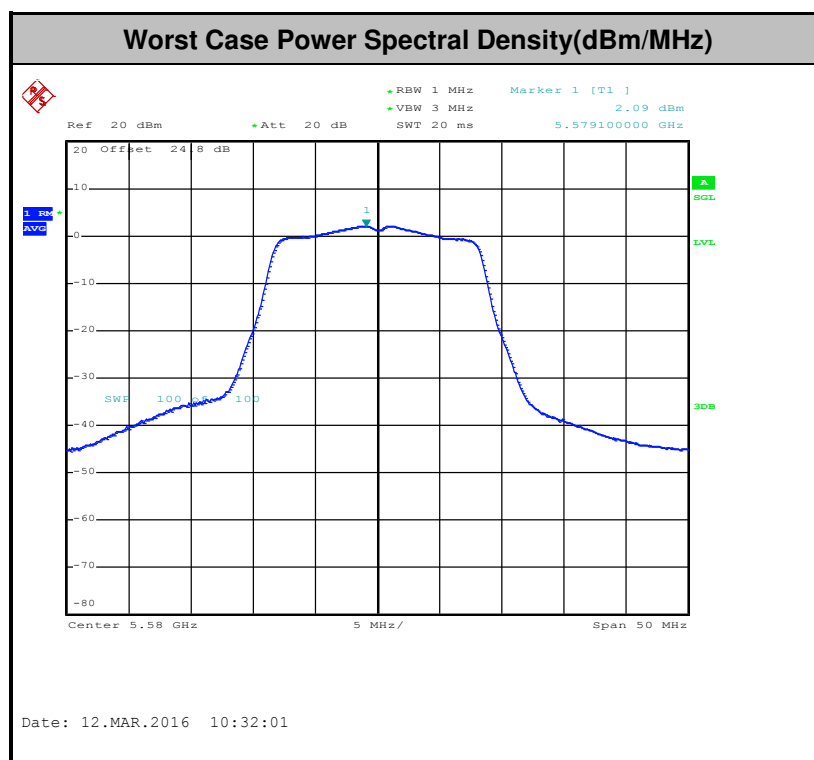
2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

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 Radiated Emission 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 Part 15.205.

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 5470-5725MHz 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 Part 15.205 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.

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

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

- (3) KDB789033 D02 v01r01 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 v01r01.

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 $\geq$ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

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

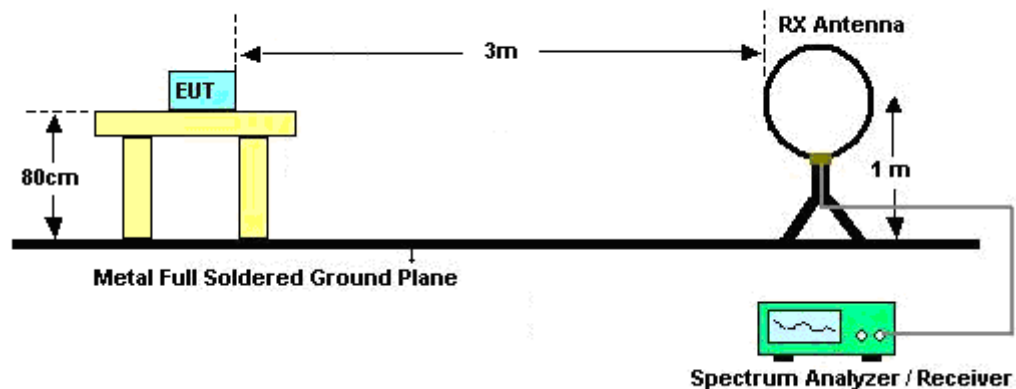
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW $\geq$ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

Band	Duty Cycle(%)	T(μ s)	1/T(kHz)	VBW Setting
802.11a	99.12	-	-	10Hz
802.11n HT20	99.05	-	-	10Hz
802.11n HT40	97.93	1420	0.70	1kHz
802.11n VHT80	96.58	678	1.47	3kHz

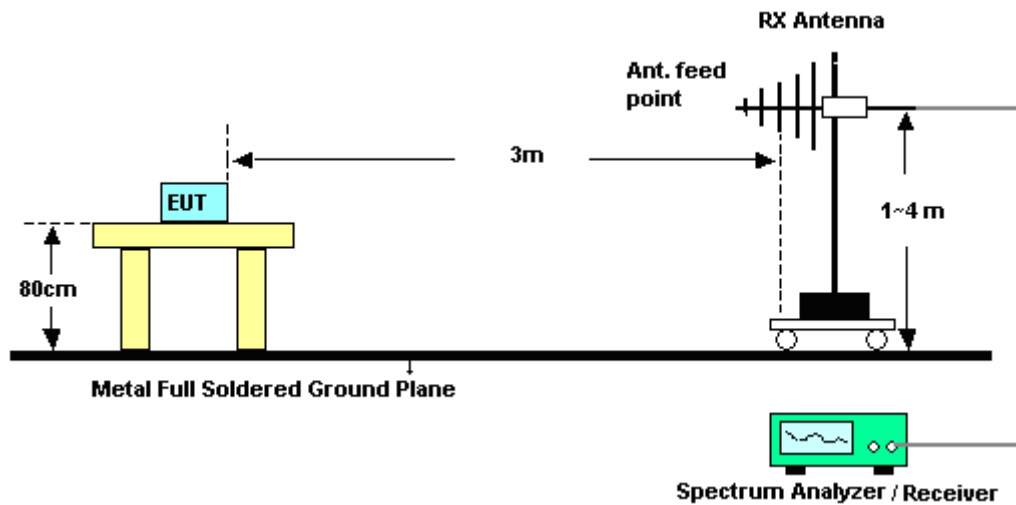
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

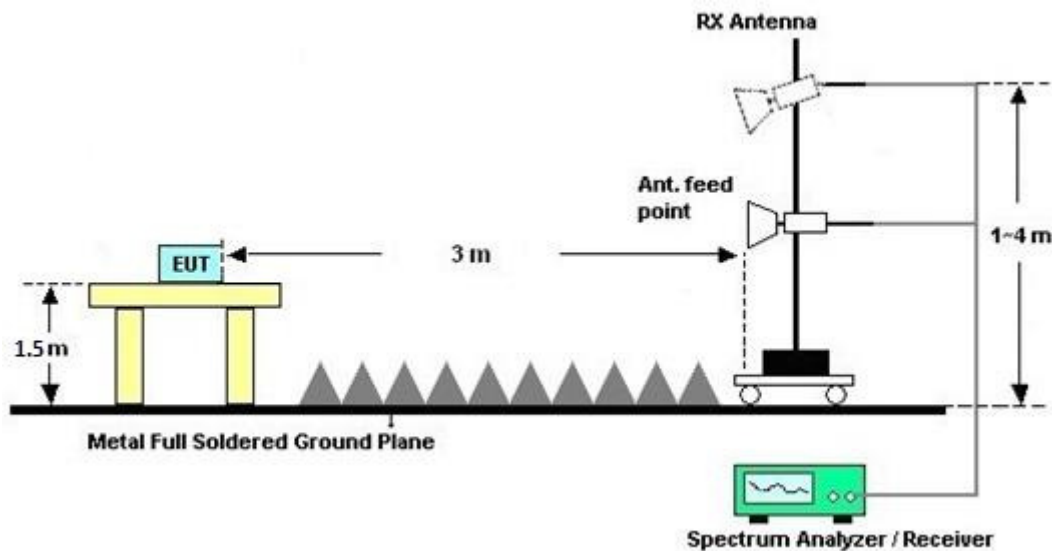
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

3.4.6 Test Result of Radiated Band Edges

Please refer to Appendix B and C.

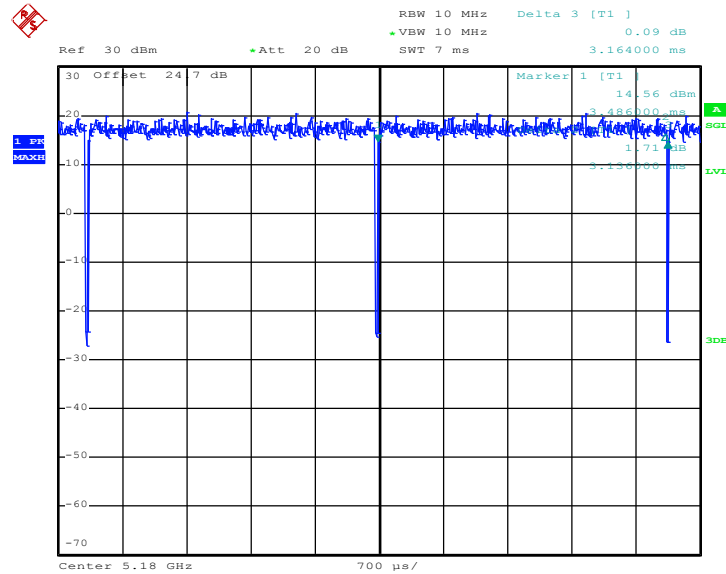
3.4.7 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Please refer to Appendix B and C.



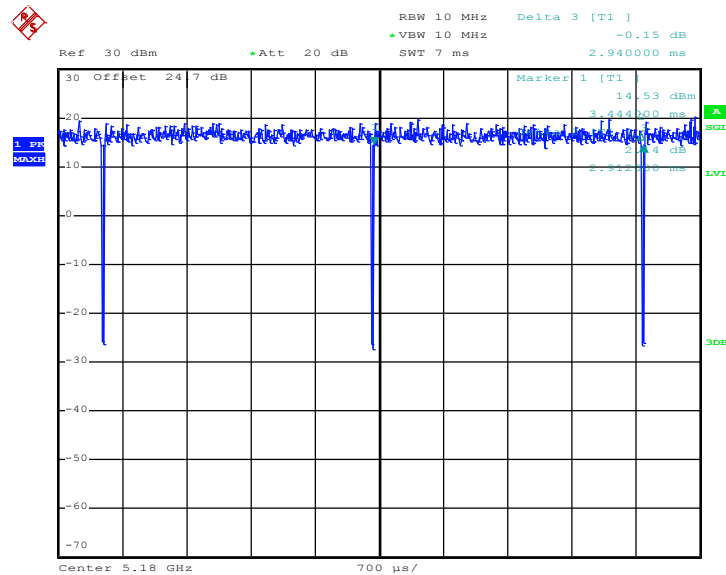
3.4.8 Duty Cycle

802.11a



Date: 1.MAR.2016 10:29:28

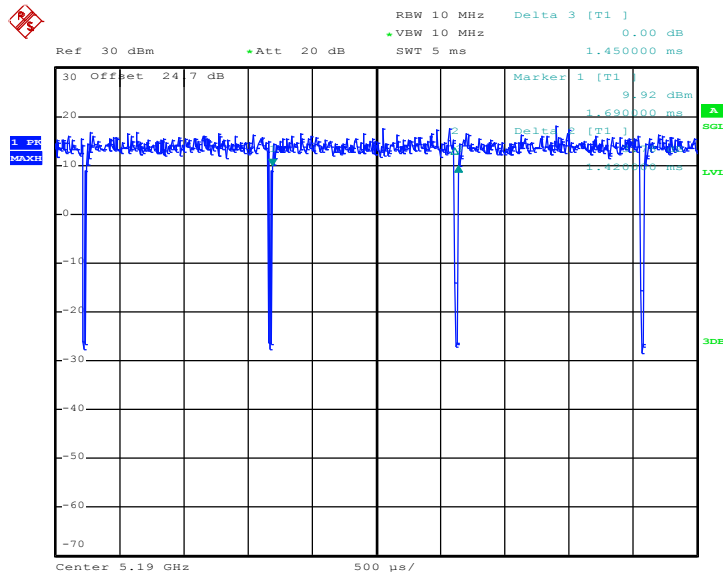
802.11n HT20



Date: 1.MAR.2016 10:32:14

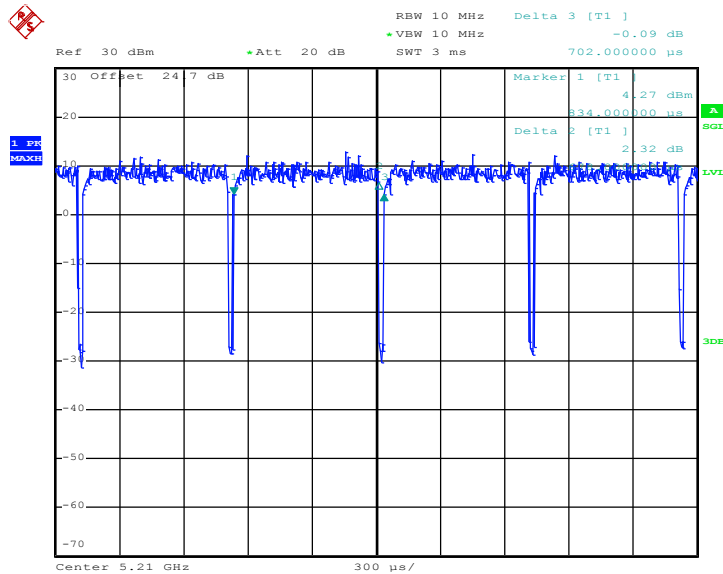


802.11n HT40



Date: 1.MAR.2016 10:36:22

802.11n VHT80



Date: 1.MAR.2016 10:41:18

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.

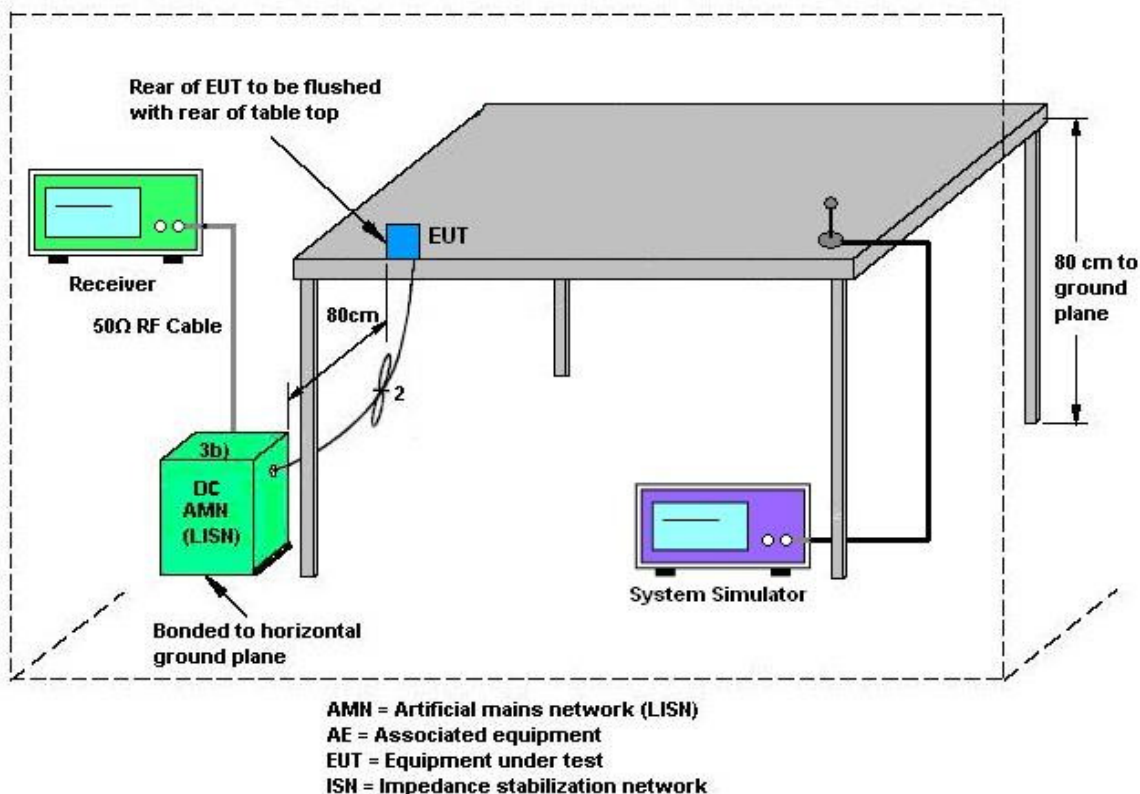
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

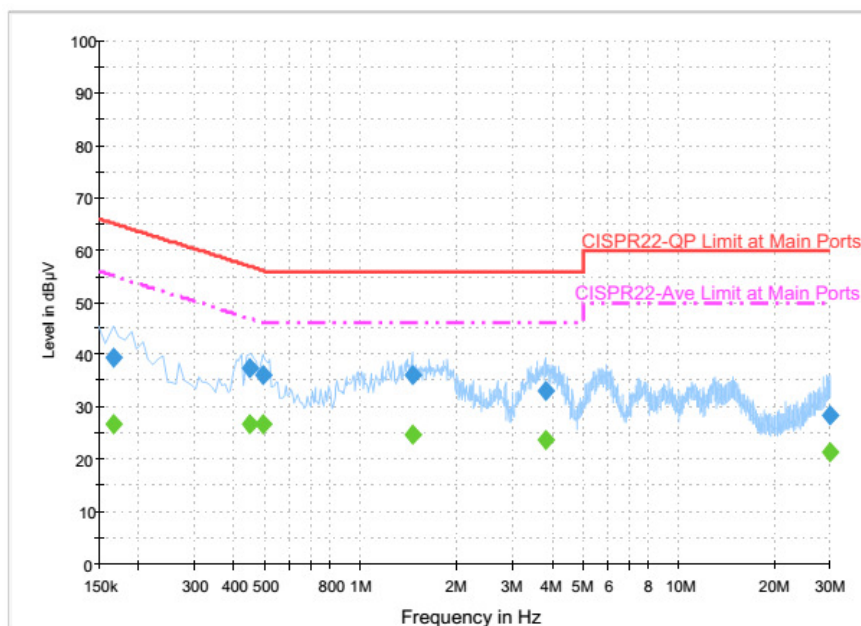
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
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 :	21~22°C
Test Engineer :	Eric Jeng	Relative Humidity :	51~53%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	GSM1900 Idle + Bluetooth Link + WLAN (5GHz) Link + Camera (Rear) + Earphone + USB Cable (Charging from Adapter)		



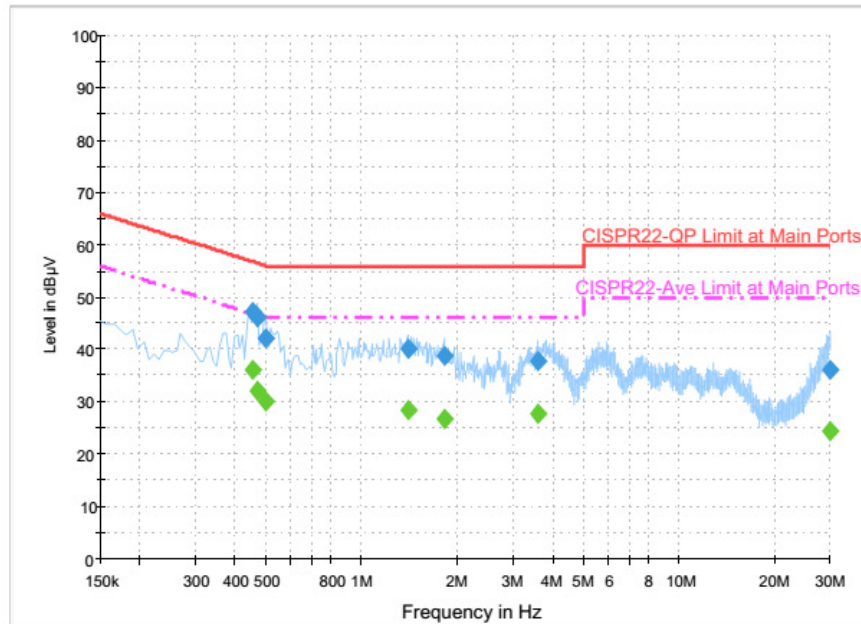
Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	39.3	Off	L1	19.6	25.9	65.2
0.446000	37.6	Off	L1	19.6	19.3	56.9
0.494000	36.0	Off	L1	19.6	20.1	56.1
1.454000	36.0	Off	L1	19.6	20.0	56.0
3.806000	33.0	Off	L1	19.7	23.0	56.0
29.878000	28.4	Off	L1	19.9	31.6	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	26.6	Off	L1	19.6	28.6	55.2
0.446000	26.9	Off	L1	19.6	20.0	46.9
0.494000	26.6	Off	L1	19.6	19.5	46.1
1.454000	24.7	Off	L1	19.6	21.3	46.0
3.806000	23.6	Off	L1	19.7	22.4	46.0
29.878000	21.4	Off	L1	19.9	28.6	50.0

Test Mode :	Mode 1	Temperature :	21~22°C
Test Engineer :	Eric Jeng	Relative Humidity :	51~53%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM1900 Idle + Bluetooth Link + WLAN (5GHz) Link + Camera (Rear) + Earphone + USB Cable (Charging from Adapter)		


Final Result : QuasiPeak

Frequency (MHz)	QuasiPeak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.454000	47.1	Off	N	19.6	9.7	56.8
0.470000	46.2	Off	N	19.6	10.3	56.5
0.502000	42.3	Off	N	19.6	13.7	56.0
1.406000	40.0	Off	N	19.6	16.0	56.0
1.830000	38.6	Off	N	19.6	17.4	56.0
3.614000	37.7	Off	N	19.6	18.3	56.0
29.910000	36.0	Off	N	20.1	24.0	60.0

Final Result : Average

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.454000	36.1	Off	N	19.6	10.7	46.8
0.470000	32.0	Off	N	19.6	14.5	46.5
0.502000	30.0	Off	N	19.6	16.0	46.0
1.406000	28.6	Off	N	19.6	17.4	46.0
1.830000	26.7	Off	N	19.6	19.3	46.0
3.614000	27.8	Off	N	19.6	18.2	46.0
29.910000	24.5	Off	N	20.1	25.5	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.

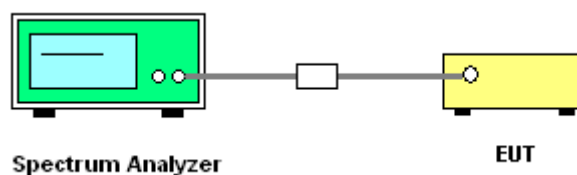
3.6.2 Measuring Instruments

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

The antenna gain is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



4 List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Hygrometer	Testo	608-H2	41410069	N/A	Aug. 27, 2015	Mar. 01, 2016 ~ Mar. 12, 2016	Aug. 26, 2016	Conducted (TH05-HY)
Power Meter	Anritsu	ML2495A	1240001	300MHz~40GHz	Sep. 17, 2015	Mar. 01, 2016 ~ Mar. 12, 2016	Sep. 16, 2016	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	1207349	300MHz~40GHz	Sep. 17, 2015	Mar. 01, 2016 ~ Mar. 12, 2016	Sep. 16, 2016	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 23, 2015	Mar. 01, 2016 ~ Mar. 12, 2016	Nov. 22, 2016	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃ ~95℃	Jun. 15, 2015	Mar. 01, 2016 ~ Mar. 12, 2016	Jun. 14, 2016	Conducted (TH05-HY)
RF Cable	JYEBAO	K30K30-5003-1.5M40	N/A	0.1MHz~40GHz	Mar. 18, 2015	Mar. 01, 2016 ~ Mar. 12, 2016	Mar. 17, 2016	Conducted (TH05-HY)
Bilog Antenna	Schaffner	CBL6111D	35419	30MHz~1GHz	Jan. 13, 2016	Mar. 14, 2016 ~ Mar. 18, 2016	Jan. 12, 2017	Radiation (03CH07-HY)
Double Ridge Horn Antenna	ESCO	3117	00075962	1GHz ~ 18GHz	Aug. 21, 2015	Mar. 14, 2016 ~ Mar. 18, 2016	Aug. 20, 2016	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Mar. 14, 2016 ~ Mar. 18, 2016	Sep. 01, 2016	Radiation (03CH07-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1590075	1GHz ~ 18GHz	Apr. 20, 2015	Mar. 14, 2016 ~ Mar. 18, 2016	Apr. 19, 2016	Radiation (03CH07-HY)
Amplifier	Sonoma-Instrument	310 N	187282	10MHz-1000MHz	Dec. 31, 2015	Mar. 14, 2016 ~ Mar. 18, 2016	Dec. 30, 2016	Radiation (03CH07-HY)
Preamplifier	Agilent	8449B	3008A02362	1GHz~ 26.5GHz	Oct. 19, 2015	Mar. 14, 2016 ~ Mar. 18, 2016	Oct. 18, 2016	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9010A	MY53470118	10Hz~44GHz	Feb. 27, 2016	Mar. 14, 2016 ~ Mar. 18, 2016	Feb. 26, 2017	Radiation (03CH07-HY)
Controller	ChainTek	Chaintek 3000	N/A	Control Turn table	N/A	Mar. 14, 2016 ~ Mar. 18, 2016	N/A	Radiation (03CH07-HY)
Controller	Max-Full	MF7802	MF780208368	Control Ant Mast	N/A	Mar. 14, 2016 ~ Mar. 18, 2016	N/A	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Mar. 14, 2016 ~ Mar. 18, 2016	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 degree	N/A	Mar. 14, 2016 ~ Mar. 18, 2016	N/A	Radiation (03CH07-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	Apr. 20, 2015	Mar. 14, 2016 ~ Mar. 18, 2016	Apr. 19, 2016	Radiation (03CH07-HY)
Preamplifier	MITEQ	JS44-1800400 0-33-8P	1840917	18GHz ~ 40GHz	Jun. 02, 2015	Mar. 14, 2016 ~ Mar. 18, 2016	Jun. 01, 2016	Radiation (03CH07-HY)
EMI Test Receiver	Agilent Technologies	N9038A(MXE)	MY53290045	20MHz~8.4GHz	Feb. 01, 2016	Mar. 14, 2016 ~ Mar. 18, 2016	Jan. 31, 2017	Radiation (03CH07-HY)
Test Software	Audix	E3	6.2009-8-24	N/A	N/A	Mar. 14, 2016 ~ Mar. 18, 2016	N/A	Radiation (03CH07-HY)
Filter	Wainwright	WLKS4500-8S S	SN19	4.5G Low Pass	Oct. 01, 2015	Mar. 14, 2016 ~ Mar. 18, 2016	Sep. 30, 2016	Radiation (03CH07-HY)
Filter	Microwave Circuits	H07G18G3	SN8009-01	7GHz HPF	Oct. 01, 2015	Mar. 14, 2016 ~ Mar. 18, 2016	Sep. 30, 2016	Radiation (03CH07-HY)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 12, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 26, 2015	Mar. 12, 2016	Aug. 25, 2016	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Apr. 20, 2015	Mar. 12, 2016	Apr. 19, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2015	Mar. 12, 2016	Dec. 01, 2016	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 06, 2016	Mar. 12, 2016	Jan. 05, 2017	Conduction (CO05-HY)
Test Software	N/A	EMC32	8.40.0	N/A	N/A	Mar. 12, 2016	N/A	Conduction (CO05-HY)



5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.26
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.60
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Appendix A. Conducted Test Results

Test Engineer:	Luffy Lin	Temperature:	21~25	°C
Test Date:	2016/03/01 ~ 2016/03/12	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)		
11a	6Mbps	1	36	5180	17.90	23.10	-	22.53		
11a	6Mbps	1	44	5220	17.70	23.10	-	22.48		
11a	6Mbps	1	48	5240	18.05	26.60	-	22.56		
HT20	MCS0	1	36	5180	18.85	23.40	-	22.75		
HT20	MCS0	1	44	5220	18.80	23.40	-	22.74		
HT20	MCS0	1	48	5240	18.85	24.70	-	22.75		
HT40	MCS0	1	38	5190	36.50	41.40	-	23.01		
HT40	MCS0	1	46	5230	36.60	45.36	-	23.01		
VHT20	MCS0	1	36	5180	18.95	23.10	-	22.78		
VHT20	MCS0	1	44	5220	18.80	23.60	-	22.74		
VHT20	MCS0	1	48	5240	18.75	24.60	-	22.73		
VHT40	MCS0	1	38	5190	36.50	41.04	-	23.01		
VHT40	MCS0	1	46	5230	36.50	41.22	-	23.01		
VHT80	MCS0	1	42	5210	75.48	81.92	-	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
11a	6Mbps	1	36	5180	0.04	12.96	24.00	-2.50		Pass
11a	6Mbps	1	44	5220	0.04	12.90	24.00	-2.50		Pass
11a	6Mbps	1	48	5240	0.04	12.97	24.00	-2.50		Pass
HT20	MCS0	1	36	5180	0.04	13.15	24.00	-2.50		Pass
HT20	MCS0	1	44	5220	0.04	12.85	24.00	-2.50		Pass
HT20	MCS0	1	48	5240	0.04	12.90	24.00	-2.50		Pass
HT40	MCS0	1	38	5190	0.09	13.20	24.00	-2.50		Pass
HT40	MCS0	1	46	5230	0.09	12.84	24.00	-2.50		Pass
VHT20	MCS0	1	36	5180	0.04	13.09	24.00	-2.50		Pass
VHT20	MCS0	1	44	5220	0.04	12.75	24.00	-2.50		Pass
VHT20	MCS0	1	48	5240	0.04	13.06	24.00	-2.50		Pass
VHT40	MCS0	1	38	5190	0.09	12.97	24.00	-2.50		Pass
VHT40	MCS0	1	46	5230	0.09	12.87	24.00	-2.50		Pass
VHT80	MCS0	1	42	5210	0.15	10.99	24.00	-2.50		Pass

IC Band I										
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	IC Conducted Power Limit (dBm)	DG (dBi)	IC EIRP Power Limit (dBm)	Pass/Fail
11a	6Mbps	1	36	5180	0.04	12.96	25.03	-2.50	22.53	Pass
11a	6Mbps	1	44	5220	0.04	12.90	24.98	-2.50	22.48	Pass
11a	6Mbps	1	48	5240	0.04	12.97	25.06	-2.50	22.56	Pass
HT20	MCS0	1	36	5180	0.04	13.15	25.25	-2.50	22.75	Pass
HT20	MCS0	1	44	5220	0.04	12.85	25.24	-2.50	22.74	Pass
HT20	MCS0	1	48	5240	0.04	12.90	25.25	-2.50	22.75	Pass
HT40	MCS0	1	38	5190	0.09	13.20	25.51	-2.50	23.01	Pass
HT40	MCS0	1	46	5230	0.09	12.84	25.51	-2.50	23.01	Pass
VHT20	MCS0	1	36	5180	0.04	13.09	25.28	-2.50	22.78	Pass
VHT20	MCS0	1	44	5220	0.04	12.75	25.24	-2.50	22.74	Pass
VHT20	MCS0	1	48	5240	0.04	13.06	25.23	-2.50	22.73	Pass
VHT40	MCS0	1	38	5190	0.09	12.97	25.51	-2.50	23.01	Pass
VHT40	MCS0	1	46	5230	0.09	12.87	25.51	-2.50	23.01	Pass
VHT80	MCS0	1	42	5210	0.15	10.99	25.51	-2.50	23.01	Pass

TEST RESULTS DATA
Power Spectral Density

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	36	5180	0.04	1.43	11.00	-2.50		Pass
11a	6Mbps	1	44	5220	0.04	1.85	11.00	-2.50		Pass
11a	6Mbps	1	48	5240	0.04	2.05	11.00	-2.50		Pass
HT20	MCS0	1	36	5180	0.04	1.37	11.00	-2.50		Pass
HT20	MCS0	1	44	5220	0.04	1.88	11.00	-2.50		Pass
HT20	MCS0	1	48	5240	0.04	1.86	11.00	-2.50		Pass
HT40	MCS0	1	38	5190	0.09	-1.02	11.00	-2.50		Pass
HT40	MCS0	1	46	5230	0.09	-0.88	11.00	-2.50		Pass
VHT20	MCS0	1	36	5180	0.04	1.52	11.00	-2.50		Pass
VHT20	MCS0	1	44	5220	0.04	1.90	11.00	-2.50		Pass
VHT20	MCS0	1	48	5240	0.04	1.62	11.00	-2.50		Pass
VHT40	MCS0	1	38	5190	0.09	-1.10	11.00	-2.50		Pass
VHT40	MCS0	1	46	5230	0.09	-0.94	11.00	-2.50		Pass
VHT80	MCS0	1	42	5210	0.15	-5.82	11.00	-2.50		Pass

IC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	IC EIRP PSD Limit (dBm/MHz)	Pass/Fail
11a	6Mbps	1	36	5180	0.04	1.43	12.50	-2.50	10	Pass
11a	6Mbps	1	44	5220	0.04	1.85	12.50	-2.50	10	Pass
11a	6Mbps	1	48	5240	0.04	2.05	12.50	-2.50	10	Pass
HT20	MCS0	1	36	5180	0.04	1.37	12.50	-2.50	10	Pass
HT20	MCS0	1	44	5220	0.04	1.88	12.50	-2.50	10	Pass
HT20	MCS0	1	48	5240	0.04	1.86	12.50	-2.50	10	Pass
HT40	MCS0	1	38	5190	0.09	-1.02	12.50	-2.50	10	Pass
HT40	MCS0	1	46	5230	0.09	-0.88	12.50	-2.50	10	Pass
VHT20	MCS0	1	36	5180	0.04	1.52	12.50	-2.50	10	Pass
VHT20	MCS0	1	44	5220	0.04	1.90	12.50	-2.50	10	Pass
VHT20	MCS0	1	48	5240	0.04	1.62	12.50	-2.50	10	Pass
VHT40	MCS0	1	38	5190	0.09	-1.10	12.50	-2.50	10	Pass
VHT40	MCS0	1	46	5230	0.09	-0.94	12.50	-2.50	10	Pass
VHT80	MCS0	1	42	5210	0.15	-5.82	12.50	-2.50	10	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
11a	6M bps	1	52	5260	17.85	22.9	23.52	29.52	23.98	
11a	6M bps	1	60	5300	17.9	23.3	23.53	29.53	23.98	
11a	6M bps	1	64	5320	17.8	23	23.50	29.50	23.98	
HT20	MCS 0	1	52	5260	18.8	25.7	23.74	29.74	23.98	
HT20	MCS 0	1	60	5300	18.95	24.3	23.78	29.78	23.98	
HT20	MCS 0	1	64	5320	18.9	23.8	23.76	29.76	23.98	
HT40	MCS 0	1	54	5270	36.6	42.66	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.6	47.34	23.98	30.00	23.98	
VHT20	MCS 0	1	52	5260	18.65	23.3	23.71	29.71	23.98	
VHT20	MCS 0	1	60	5300	18.75	24.8	23.73	29.73	23.98	
VHT20	MCS 0	1	64	5320	18.85	26.2	23.75	29.75	23.98	
VHT40	MCS 0	1	54	5270	36.6	43.56	23.98	30.00	23.98	
VHT40	MCS 0	1	62	5310	36.6	46.98	23.98	30.00	23.98	
VHT80	MCS 0	1	58	5290	75.6	81.6	23.98	30.00	23.98	

TEST RESULTS DATA
Average Power Table

FCC Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6M bps	1	52	5260	0.04	13.25	23.98	-2.60		Pass
11a	6M bps	1	60	5300	0.04	13.22	23.98	-2.60		Pass
11a	6M bps	1	64	5320	0.04	12.94	23.98	-2.60		Pass
HT20	MCS 0	1	52	5260	0.04	13.01	23.98	-2.60		Pass
HT20	MCS 0	1	60	5300	0.04	13.12	23.98	-2.60		Pass
HT20	MCS 0	1	64	5320	0.04	13.06	23.98	-2.60		Pass
HT40	MCS 0	1	54	5270	0.09	12.79	23.98	-2.60		Pass
HT40	MCS 0	1	62	5310	0.09	12.87	23.98	-2.60		Pass
VHT20	MCS 0	1	52	5260	0.04	12.97	23.98	-2.60		Pass
VHT20	MCS 0	1	60	5300	0.04	13.12	23.98	-2.60		Pass
VHT20	MCS 0	1	64	5320	0.04	13.05	23.98	-2.60		Pass
VHT40	MCS 0	1	54	5270	0.09	12.77	23.98	-2.60		Pass
VHT40	MCS 0	1	62	5310	0.09	12.87	23.98	-2.60		Pass
VHT80	MCS 0	1	58	5290	0.15	11.70	23.98	-2.60		Pass

IC Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	IC Conducted Power Limit (dBm)	DG (dBi)	IC EIRP Power Limit (dBm)	Pass/Fail
11a	6M bps	1	52	5260	0.04	13.25	23.52	-2.60	29.52	Pass
11a	6M bps	1	60	5300	0.04	13.22	23.53	-2.60	29.53	Pass
11a	6M bps	1	64	5320	0.04	12.94	23.50	-2.60	29.50	Pass
HT20	MCS 0	1	52	5260	0.04	13.01	23.74	-2.60	29.74	Pass
HT20	MCS 0	1	60	5300	0.04	13.12	23.78	-2.60	29.78	Pass
HT20	MCS 0	1	64	5320	0.04	13.06	23.76	-2.60	29.76	Pass
HT40	MCS 0	1	54	5270	0.09	12.79	23.98	-2.60	30.00	Pass
HT40	MCS 0	1	62	5310	0.09	12.87	23.98	-2.60	30.00	Pass
VHT20	MCS 0	1	52	5260	0.04	12.97	23.71	-2.60	29.71	Pass
VHT20	MCS 0	1	60	5300	0.04	13.12	23.73	-2.60	29.73	Pass
VHT20	MCS 0	1	64	5320	0.04	13.05	23.75	-2.60	29.75	Pass
VHT40	MCS 0	1	54	5270	0.09	12.77	23.98	-2.60	30.00	Pass
VHT40	MCS 0	1	62	5310	0.09	12.87	23.98	-2.60	30.00	Pass
VHT80	MCS 0	1	58	5290	0.15	11.70	23.98	-2.60	30.00	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
11a	6M bps	1	52	5260	0.04	1.88	11.00	-2.60		Pass
11a	6M bps	1	60	5300	0.04	1.77	11.00	-2.60		Pass
11a	6M bps	1	64	5320	0.04	1.96	11.00	-2.60		Pass
HT20	MCS 0	1	52	5260	0.04	1.60	11.00	-2.60		Pass
HT20	MCS 0	1	60	5300	0.04	1.61	11.00	-2.60		Pass
HT20	MCS 0	1	64	5320	0.04	1.84	11.00	-2.60		Pass
HT40	MCS 0	1	54	5270	0.09	-1.12	11.00	-2.60		Pass
HT40	MCS 0	1	62	5310	0.09	-1.19	11.00	-2.60		Pass
VHT20	MCS 0	1	52	5260	0.04	1.56	11.00	-2.60		Pass
VHT20	MCS 0	1	60	5300	0.04	1.63	11.00	-2.60		Pass
VHT20	MCS 0	1	64	5320	0.04	1.69	11.00	-2.60		Pass
VHT40	MCS 0	1	54	5270	0.09	-1.20	11.00	-2.60		Pass
VHT40	MCS 0	1	62	5310	0.09	-1.21	11.00	-2.60		Pass
VHT80	MCS 0	1	58	5290	0.15	-5.09	11.00	-2.60		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
11a	6M bps	1	100	5500	17.9	23	23.53	29.53	23.98	
11a	6M bps	1	116	5580	18.15	23	23.59	29.59	23.98	
11a	6M bps	1	140	5700	18.25	23	23.61	29.61	23.98	
HT20	MCS 0	1	100	5500	18.8	23.3	23.74	29.74	23.98	
HT20	MCS 0	1	116	5580	18.7	23.6	23.72	29.72	23.98	
HT20	MCS 0	1	140	5700	18.9	25.7	23.76	29.76	23.98	
HT40	MCS 0	1	102	5510	36.6	41.4	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	36.5	41.4	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	36.4	41.22	23.98	30.00	23.98	
VHT20	MCS 0	1	100	5500	18.9	23.2	23.76	29.76	23.98	
VHT20	MCS 0	1	116	5580	18.8	23.3	23.74	29.74	23.98	
VHT20	MCS 0	1	140	5700	18.6	25.9	23.70	29.70	23.98	
VHT40	MCS 0	1	102	5510	36.6	46.62	23.98	30.00	23.98	
VHT40	MCS 0	1	110	5550	36.6	41.4	23.98	30.00	23.98	
VHT40	MCS 0	1	134	5670	36.6	41.4	23.98	30.00	23.98	
VHT80	MCS 0	1	106	5530	75.72	82.24	23.98	30.00	23.98	
VHT80	MCS 0	1	122	5610	75.84	82.24	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
11a	6M bps	1	100	5500	0.04	13.01	23.98	-3.90		Pass
11a	6M bps	1	116	5580	0.04	12.80	23.98	-3.90		Pass
11a	6M bps	1	140	5700	0.04	12.54	23.98	-3.90		Pass
HT20	MCS 0	1	100	5500	0.04	12.79	23.98	-3.90		Pass
HT20	MCS 0	1	116	5580	0.04	12.93	23.98	-3.90		Pass
HT20	MCS 0	1	140	5700	0.04	12.69	23.98	-3.90		Pass
HT40	MCS 0	1	102	5510	0.09	13.09	23.98	-3.90		Pass
HT40	MCS 0	1	110	5550	0.09	12.83	23.98	-3.90		Pass
HT40	MCS 0	1	134	5670	0.09	12.63	23.98	-3.90		Pass
VHT20	MCS 0	1	100	5500	0.04	12.81	23.98	-3.90		Pass
VHT20	MCS 0	1	116	5580	0.04	12.87	23.98	-3.90		Pass
VHT20	MCS 0	1	140	5700	0.04	12.68	23.98	-3.90		Pass
VHT40	MCS 0	1	102	5510	0.09	12.59	23.98	-3.90		Pass
VHT40	MCS 0	1	110	5550	0.09	13.27	23.98	-3.90		Pass
VHT40	MCS 0	1	134	5670	0.09	13.31	23.98	-3.90		Pass
VHT80	MCS 0	1	106	5530	0.15	13.40	23.98	-3.90		Pass
VHT80	MCS 0	1	122	5610	0.15	13.13	23.98	-3.90		Pass

IC Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	IC Conducted Power Limit (dBm)	DG (dBi)	IC EIRP Power Limit (dBm)	Pass/Fail
11a	6Mbps	1	100	5500	0.04	13.01	23.53	-3.90	29.53	Pass
11a	6Mbps	1	116	5580	0.04	12.80	23.59	-3.90	29.59	Pass
11a	6Mbps	1	140	5700	0.04	12.54	23.61	-3.90	29.61	Pass
HT20	MCS0	1	100	5500	0.04	12.79	23.74	-3.90	29.74	Pass
HT20	MCS0	1	116	5580	0.04	12.93	23.72	-3.90	29.72	Pass
HT20	MCS0	1	140	5700	0.04	12.69	23.76	-3.90	29.76	Pass
HT40	MCS0	1	102	5510	0.09	13.09	23.98	-3.90	30.00	Pass
HT40	MCS0	1	110	5550	0.09	12.83	23.98	-3.90	30.00	Pass
HT40	MCS0	1	134	5670	0.09	12.63	23.98	-3.90	30.00	Pass
VHT20	MCS0	1	100	5500	0.04	12.81	23.76	-3.90	29.76	Pass
VHT20	MCS0	1	116	5580	0.04	12.87	23.74	-3.90	29.74	Pass
VHT20	MCS0	1	140	5700	0.04	12.68	23.70	-3.90	29.70	Pass
VHT40	MCS0	1	102	5510	0.09	12.59	23.98	-3.90	30.00	Pass
VHT40	MCS0	1	110	5550	0.09	13.27	23.98	-3.90	30.00	Pass
VHT40	MCS0	1	134	5670	0.09	13.31	23.98	-3.90	30.00	Pass
VHT80	MCS0	1	106	5530	0.15	13.40	23.98	-3.90	30.00	Pass

TEST RESULTS DATA
Power Spectral Density

Band III										
Mod.	Data Rate	NTx	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	100	5500	0.04	1.43	11.00	-3.90		Pass
11a	6M bps	1	116	5580	0.04	2.13	11.00	-3.90		Pass
11a	6M bps	1	140	5700	0.04	1.64	11.00	-3.90		Pass
HT20	MCS 0	1	100	5500	0.04	1.36	11.00	-3.90		Pass
HT20	MCS 0	1	116	5580	0.04	2.00	11.00	-3.90		Pass
HT20	MCS 0	1	140	5700	0.04	1.69	11.00	-3.90		Pass
HT40	MCS 0	1	102	5510	0.09	-1.27	11.00	-3.90		Pass
HT40	MCS 0	1	110	5550	0.09	-0.83	11.00	-3.90		Pass
HT40	MCS 0	1	134	5670	0.09	-0.93	11.00	-3.90		Pass
VHT20	MCS 0	1	100	5500	0.04	1.59	11.00	-3.90		Pass
VHT20	MCS 0	1	116	5580	0.04	1.95	11.00	-3.90		Pass
VHT20	MCS 0	1	140	5700	0.04	1.76	11.00	-3.90		Pass
VHT40	MCS 0	1	102	5510	0.09	-1.45	11.00	-3.90		Pass
VHT40	MCS 0	1	110	5550	0.09	-0.91	11.00	-3.90		Pass
VHT40	MCS 0	1	134	5670	0.09	-0.88	11.00	-3.90		Pass
VHT80	MCS 0	1	106	5530	0.15	-4.15	11.00	-3.90		Pass
VHT80	MCS 0	1	122	5610	0.15	-3.90	11.00	-3.90		Pass

TEST RESULTS DATA
26dB and 99% OBW

Straddle Channel										
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
11a	6Mbps	1	144	5720	18.40	26.50	-	-	-	
				NII-2C	14.25	19.9	22.54	28.54	23.98	
				NII-3	4.15	6.6	23.18	29.18	-	
HT20	MCS0	1	144	5720	18.85	25.30	-	-	-	
				NII-2C	14.5	18.7	22.61	28.61	23.72	
				NII-3	4.35	6.6	23.38	29.38	-	
HT40	MCS0	1	142	5710	36.80	48.78	-	-	-	
				NII-2C	33.6	43.08	23.98	30.00	23.98	
				NII-3	3.2	5.7	22.05	28.05	-	
VHT20	MCS0	1	144	5720	19.15	23.50	-	-	-	
				NII-2C	14.65	16.8	22.66	28.66	23.25	
				NII-3	4.5	6.7	23.53	29.53	-	
VHT40	MCS0	1	142	5710	36.60	41.40	-	-	-	
				NII-2C	33.4	35.88	23.98	30.00	23.98	
				NII-3	3.2	5.52	22.05	28.05	-	
VHT80	MCS0	1	138	5690	75.72	82.24	-	-	-	
				NII-2C	73.04	76.28	23.98	30.00	23.98	
				NII-3	2.68	5.96	21.28	27.28	-	

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
11a	6Mbps	1	144	5720	0.04	12.35	-	-3.90		Pass
				NII-2C	0.04	11.61	23.98	-3.90		Pass
				NII-3	0.04	4.30	30.00	-3.90		Pass
HT20	MCS0	1	144	5720	0.04	12.73	-	-3.90		Pass
				NII-2C	0.04	11.90	23.72	-3.90		Pass
				NII-3	0.04	5.15	30.00	-3.90		Pass
HT40	MCS0	1	142	5710	0.09	12.85	-	-3.90		Pass
				NII-2C	0.09	12.55	23.98	-3.90		Pass
				NII-3	0.09	1.08	30.00	-3.90		Pass
VHT20	MCS0	1	144	5720	0.04	12.90	-	-3.90		Pass
				NII-2C	0.04	12.09	23.25	-3.90		Pass
				NII-3	0.04	5.19	30.00	-3.90		Pass
VHT40	MCS0	1	142	5710	0.09	12.92	-	-3.90		Pass
				NII-2C	0.09	12.62	23.98	-3.90		Pass
				NII-3	0.09	1.10	30.00	-3.90		Pass
VHT80	MCS0	1	138	5690	0.15	13.36	-	-3.90		Pass
				NII-2C	0.15	13.26	23.98	-3.90		Pass
				NII-3	0.15	-2.98	30.00	-3.90		Pass

IC Straddle Channel										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	IC Conducted Power Limit (dBm)	DG (dBi)	IC EIRP Power Limit (dBm)	Pass/Fail
11a	6Mbps	1	144	5720	0.04	12.35	-	-3.90	-	-
				NII-2e	0.04	11.61	22.54	-3.90	28.54	Pass
				DTS	0.04	4.30	23.18	-3.90	29.18	Pass
HT20	MCS0	1	144	5720	0.04	12.73	-	-3.90	-	-
				NII-2e	0.04	11.90	22.61	-3.90	28.61	Pass
				DTS	0.04	5.15	23.38	-3.90	29.38	Pass
HT40	MCS0	1	142	5710	0.09	12.85	-	-3.90	-	-
				NII-2e	0.09	12.55	23.98	-3.90	30.00	Pass
				DTS	0.09	1.08	22.05	-3.90	28.05	Pass
VHT20	MCS0	1	144	5720	0.04	12.90	-	-3.90	-	-
				NII-2e	0.04	12.09	22.66	-3.90	28.66	Pass
				DTS	0.04	5.19	23.53	-3.90	29.53	Pass
VHT40	MCS0	1	142	5710	0.09	12.92	-	-3.90	-	-
				NII-2e	0.09	12.62	23.98	-3.90	30.00	Pass
				DTS	0.09	1.10	22.05	-3.90	28.05	Pass
VHT80	MCS0	1	138	5690	0.15	13.36	-	-3.90	-	-
				NII-2e	0.15	13.26	23.98	-3.90	30.00	Pass
				DTS	0.15	-2.98	21.28	-3.90	27.28	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
11a	6Mbps	1	144	NII-2C	0.04	1.62	11.00	-3.90		Pass
				NII-3	0.04	1.62	30.00	-3.90		Pass
HT20	MCS0	1	144	NII-2C	0.04	1.52	11.00	-3.90		Pass
				NII-3	0.04	1.52	30.00	-3.90		Pass
HT40	MCS0	1	142	NII-2C	0.09	-1.12	11.00	-3.90		Pass
				NII-3	0.09	-1.12	30.00	-3.90		Pass
VHT20	MCS0	1	144	NII-2C	0.04	1.56	11.00	-3.90		Pass
				NII-3	0.04	1.56	30.00	-3.90		Pass
VHT40	MCS0	1	142	NII-2C	0.09	-1.21	11.00	-3.90		Pass
				NII-3	0.09	-1.21	30.00	-3.90		Pass
VHT80	MCS0	1	138	NII-2C	0.15	-3.92	11.00	-3.90		Pass
				NII-3	0.15	-3.92	30.00	-3.90		Pass

TEST RESULTS DATA
Frequency Stability

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

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

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency 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	5500.000	0.000	0.00	-30	3.8	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	3.8	



Appendix B. Radiated Spurious Emission

Test Engineer :	Ken Wu, James Chiu, and Jesse Wang	Temperature :	20~24°C
		Relative Humidity :	50~66%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 36 5180MHz		5135.15	50.04	-23.96	74	39.49	34.59	11.18	35.22	218	59	P	H
		5147.15	40.19	-13.81	54	29.59	34.61	11.21	35.22	218	59	A	H
	*	5180	92.43	-	-	81.78	34.66	11.21	35.22	218	59	P	H
	*	5180	87.34	-	-	76.69	34.66	11.21	35.22	218	59	A	H
													H
													H
		5147	51.56	-22.44	74	40.96	34.61	11.21	35.22	218	225	P	V
		5149.4	43.25	-10.75	54	32.65	34.61	11.21	35.22	218	225	A	V
	*	5180	103.78	-	-	93.13	34.66	11.21	35.22	218	225	P	V
	*	5180	96.17	-	-	85.52	34.66	11.21	35.22	218	225	A	V
													V
													V
802.11a CH 44 5220MHz		5100.95	50.16	-23.84	74	39.66	34.54	11.18	35.22	224	53	P	H
		5099.75	40.12	-13.88	54	29.66	34.54	11.14	35.22	224	53	A	H
	*	5220	94.97	-	-	84.24	34.7	11.25	35.22	224	53	P	H
	*	5220	89.62	-	-	78.89	34.7	11.25	35.22	224	53	A	H
		5411.82	49.66	-24.34	74	38.02	34.98	11.89	35.23	224	53	P	H
		5454.72	40.12	-13.88	54	28.44	35.03	11.89	35.24	224	53	A	H
		5134.55	50.27	-23.73	74	39.72	34.59	11.18	35.22	236	235	P	V
		5150	40.43	-13.57	54	29.83	34.61	11.21	35.22	236	235	A	V
	*	5220	103.83	-	-	93.1	34.7	11.25	35.22	236	235	P	V
	*	5220	98.14	-	-	87.41	34.7	11.25	35.22	236	235	A	V
		5456.15	49.69	-24.31	74	38.01	35.03	11.89	35.24	236	235	P	V
		5457.58	40.18	-13.82	54	28.5	35.03	11.89	35.24	236	235	A	V



802.11a CH 48 5240MHz		5009.75	51.27	-22.73	74	40.99	34.42	11.07	35.21	281	43	P	H
		5087.45	40.18	-13.82	54	29.74	34.52	11.14	35.22	281	43	A	H
	*	5240	97.24	-	-	86.35	34.73	11.38	35.22	281	43	P	H
	*	5240	91.45	-	-	80.56	34.73	11.38	35.22	281	43	A	H
		5436.35	49.68	-24.32	74	38.02	35.01	11.89	35.24	281	43	P	H
		5456.92	40.13	-13.87	54	28.45	35.03	11.89	35.24	281	43	A	H
		5098.7	50.33	-23.67	74	39.87	34.54	11.14	35.22	202	241	P	V
		5054	40.4	-13.6	54	30.03	34.47	11.11	35.21	202	241	A	V
	*	5240	104.06	-	-	93.17	34.73	11.38	35.22	202	241	P	V
	*	5240	98.31	-	-	87.42	34.73	11.38	35.22	202	241	A	V
		5410.72	49.42	-24.58	74	37.8	34.96	11.89	35.23	202	241	P	V
		5426.45	40.27	-13.73	54	28.64	34.98	11.89	35.24	202	241	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 36 5180MHz		10360	41.69	-32.31	74	47.21	37.22	17.17	59.91	100	0	P	H
		15540	42.55	-31.45	74	40.48	40.34	19.61	57.88	100	0	P	H
													H
													H
		10360	41.28	-32.72	74	46.8	37.22	17.17	59.91	100	0	P	V
		15540	42.97	-31.03	74	40.9	40.34	19.61	57.88	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	42.04	-31.96	74	47.46	37.26	17.17	59.85	100	0	P	H
		15660	42.85	-31.15	74	40.49	40.49	19.68	57.81	100	0	P	H
													H
													H
		10440	42.55	-31.45	74	47.97	37.26	17.17	59.85	100	0	P	V
		15660	42.42	-31.58	74	40.06	40.49	19.68	57.81	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	41.67	-32.33	74	47.02	37.29	17.17	59.81	100	0	P	H
		15720	43.09	-30.91	74	40.56	40.57	19.73	57.77	100	0	P	H
													H
													H
		10480	42.85	-31.15	74	48.2	37.29	17.17	59.81	100	0	P	V
		15720	43.26	-30.74	74	40.73	40.57	19.73	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		5120.3	51.87	-22.13	74	41.35	34.56	11.18	35.22	225	58	P	H
		5090.3	40.1	-13.9	54	29.64	34.54	11.14	35.22	225	58	A	H
	*	5180	94.12	-	-	83.47	34.66	11.21	35.22	225	58	P	H
	*	5180	86.58	-	-	75.93	34.66	11.21	35.22	225	58	A	H
													H
													H
		5149.55	54.52	-19.48	74	43.92	34.61	11.21	35.22	228	224	P	V
		5150	42.83	-11.17	54	32.23	34.61	11.21	35.22	228	224	A	V
	*	5180	104.69	-	-	94.04	34.66	11.21	35.22	228	224	P	V
	*	5180	97.38	-	-	86.73	34.66	11.21	35.22	228	224	A	V
													V
													V
802.11n HT20 CH 44 5220MHz		5054	51.65	-22.35	74	41.28	34.47	11.11	35.21	225	54	P	H
		5088.8	40.07	-13.93	54	29.61	34.54	11.14	35.22	225	54	A	H
	*	5220	95.1	-	-	84.37	34.7	11.25	35.22	225	54	P	H
	*	5220	88.49	-	-	77.76	34.7	11.25	35.22	225	54	A	H
		5457.14	50.03	-23.97	74	38.35	35.03	11.89	35.24	225	54	P	H
		5457.47	40.1	-13.9	54	28.42	35.03	11.89	35.24	225	54	A	H
		5087.3	50.19	-23.81	74	39.75	34.52	11.14	35.22	236	233	P	V
		5145.5	40.37	-13.63	54	29.77	34.61	11.21	35.22	236	233	A	V
	*	5220	104.91	-	-	94.18	34.7	11.25	35.22	236	233	P	V
	*	5220	97.88	-	-	87.15	34.7	11.25	35.22	236	233	A	V
		5385.2	49.3	-24.7	74	37.7	34.94	11.89	35.23	236	233	P	V
		5455.93	40.14	-13.86	54	28.46	35.03	11.89	35.24	236	233	A	V



802.11n HT20 CH 48 5240MHz		5077.55	51.69	-22.31	74	41.24	34.52	11.14	35.21	223	44	P	H
		5090.3	40.09	-13.91	54	29.63	34.54	11.14	35.22	223	44	A	H
	*	5240	97.79	-	-	86.9	34.73	11.38	35.22	223	44	P	H
	*	5240	90.15	-	-	79.26	34.73	11.38	35.22	223	44	A	H
		5459.78	49.41	-24.59	74	37.73	35.03	11.89	35.24	223	44	P	H
		5459.12	40.11	-13.89	54	28.43	35.03	11.89	35.24	223	44	A	H
		5099.45	50.64	-23.36	74	40.18	34.54	11.14	35.22	202	237	P	V
		5054.45	40.4	-13.6	54	30.03	34.47	11.11	35.21	202	237	A	V
	*	5240	105.41	-	-	94.52	34.73	11.38	35.22	202	237	P	V
	*	5240	98.1	-	-	87.21	34.73	11.38	35.22	202	237	A	V
		5440.64	49.52	-24.48	74	37.86	35.01	11.89	35.24	202	237	P	V
		5425.79	40.32	-13.68	54	28.69	34.98	11.89	35.24	202	237	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 36 5180MHz		10360	40.87	-33.13	74	46.39	37.22	17.17	59.91	100	0	P	H
		15540	42.38	-31.62	74	40.31	40.34	19.61	57.88	100	0	P	H
													H
													H
		10360	42.54	-31.46	74	48.06	37.22	17.17	59.91	100	0	P	V
		15540	42.1	-31.9	74	40.03	40.34	19.61	57.88	100	0	P	V
													V
													V
802.11n HT20 CH 44 5220MHz		10440	42.18	-31.82	74	47.6	37.26	17.17	59.85	100	0	P	H
		15660	41.67	-32.33	74	39.31	40.49	19.68	57.81	100	0	P	H
													H
													H
		10440	41.89	-32.11	74	47.31	37.26	17.17	59.85	100	0	P	V
		15660	41.85	-32.15	74	39.49	40.49	19.68	57.81	100	0	P	V
													V
													V
802.11n HT20 CH 48 5240MHz		10480	41.53	-32.47	74	46.88	37.29	17.17	59.81	100	0	P	H
		15720	42.21	-31.79	74	39.68	40.57	19.73	57.77	100	0	P	H
													H
													H
		10480	41.61	-32.39	74	46.96	37.29	17.17	59.81	100	0	P	V
		15720	43.35	-30.65	74	40.82	40.57	19.73	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		5148.35	52.67	-21.33	74	42.07	34.61	11.21	35.22	170	49	P	H
		5150	43.36	-10.64	54	32.76	34.61	11.21	35.22	170	49	A	H
	*	5190	94.04	-	-	83.35	34.66	11.25	35.22	170	49	P	H
	*	5190	85.59	-	-	74.9	34.66	11.25	35.22	170	49	A	H
		5391.69	49.96	-24.04	74	38.36	34.94	11.89	35.23	170	49	P	H
		5452.19	40.96	-13.04	54	29.28	35.03	11.89	35.24	170	49	A	H
		5150	57.34	-16.66	74	46.74	34.61	11.21	35.22	238	240	P	V
		5150	50.27	-3.73	54	39.67	34.61	11.21	35.22	238	240	A	V
	*	5190	101.43	-	-	90.74	34.66	11.25	35.22	238	240	P	V
	*	5190	93.19	-	-	82.5	34.66	11.25	35.22	238	240	A	V
		5459.89	49.1	-24.9	74	37.42	35.03	11.89	35.24	238	240	P	V
		5458.24	40.94	-13.06	54	29.26	35.03	11.89	35.24	238	240	A	V
802.11n HT40 CH 46 5230MHz		5140.25	49.94	-24.06	74	39.34	34.61	11.21	35.22	180	49	P	H
		5091.5	41.2	-12.8	54	30.74	34.54	11.14	35.22	180	49	A	H
	*	5230	94.74	-	-	83.85	34.73	11.38	35.22	180	49	P	H
	*	5230	86.32	-	-	75.43	34.73	11.38	35.22	180	49	A	H
		5445.92	49.5	-24.5	74	37.82	35.03	11.89	35.24	180	49	P	H
		5456.7	41.02	-12.98	54	29.34	35.03	11.89	35.24	180	49	A	H
		5126	50.06	-23.94	74	39.51	34.59	11.18	35.22	222	233	P	V
		5143.25	42.03	-11.97	54	31.43	34.61	11.21	35.22	222	233	A	V
	*	5230	101.66	-	-	90.77	34.73	11.38	35.22	222	233	P	V
	*	5230	93.58	-	-	82.69	34.73	11.38	35.22	222	233	A	V
		5458.24	50.43	-23.57	74	38.75	35.03	11.89	35.24	222	233	P	V
		5457.03	41.18	-12.82	54	29.5	35.03	11.89	35.24	222	233	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 38 5190MHz		10380	40.96	-33.04	74	46.45	37.23	17.17	59.89	100	0	P	H
		15570	42.79	-31.21	74	40.64	40.38	19.63	57.86	100	0	P	H
													H
													H
		10380	40.99	-33.01	74	46.48	37.23	17.17	59.89	100	0	P	V
		15570	43.61	-30.39	74	41.46	40.38	19.63	57.86	100	0	P	V
													V
													V
802.11n HT40 CH 46 5230MHz		10460	42.56	-31.44	74	47.96	37.27	17.17	59.84	100	0	P	H
		15690	42.52	-31.48	74	40.08	40.53	19.7	57.79	100	0	P	H
													H
													H
		10460	42.26	-31.74	74	47.66	37.27	17.17	59.84	100	0	P	V
		15690	41.77	-32.23	74	39.33	40.53	19.7	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5049.5	50.65	-23.35	74	40.28	34.47	11.11	35.21	200	46	P	H
		5147.75	43.71	-10.29	54	33.11	34.61	11.21	35.22	200	46	A	H
	*	5210	88.74	-	-	78.01	34.7	11.25	35.22	200	46	P	H
	*	5210	80.44	-	-	69.71	34.7	11.25	35.22	200	46	A	H
		5361.11	49.25	-24.75	74	37.81	34.91	11.76	35.23	200	46	P	H
		5431.62	41.69	-12.31	54	30.03	35.01	11.89	35.24	200	46	A	H
		5148.95	58.48	-15.52	74	47.88	34.61	11.21	35.22	234	229	P	V
		5148.2	50.38	-3.62	54	39.78	34.61	11.21	35.22	234	229	A	V
	*	5210	97.43	-	-	86.7	34.7	11.25	35.22	234	229	P	V
	*	5210	88.83	-	-	78.1	34.7	11.25	35.22	234	229	A	V
		5416.11	49.7	-24.3	74	38.06	34.98	11.89	35.23	234	229	P	V
		5422.16	41.96	-12.04	54	30.33	34.98	11.89	35.24	234	229	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		10420	42.56	-31.44	74	48.01	37.25	17.17	59.87	100	0	P	H
		15630	43.17	-30.83	74	40.84	40.47	19.68	57.82	100	0	P	H
													H
													H
		10420	42.01	-31.99	74	47.46	37.25	17.17	59.87	100	0	P	V
		15630	43.43	-30.57	74	41.1	40.47	19.68	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 52 5260MHz		5058.65	50.36	-23.64	74	39.97	34.49	11.11	35.21	279	45	P	H
		5072.75	40.17	-13.83	54	29.72	34.52	11.14	35.21	279	45	A	H
	*	5260	97.62	-	-	86.7	34.77	11.38	35.23	279	45	P	H
	*	5260	91.89	-	-	80.97	34.77	11.38	35.23	279	45	A	H
		5443.72	49.92	-24.08	74	38.26	35.01	11.89	35.24	279	45	P	H
		5458.68	40.14	-13.86	54	28.46	35.03	11.89	35.24	279	45	A	H
		5105.75	50.67	-23.33	74	40.15	34.56	11.18	35.22	221	237	P	V
		5072.6	40.51	-13.49	54	30.06	34.52	11.14	35.21	221	237	A	V
	*	5260	104.52	-	-	93.6	34.77	11.38	35.23	221	237	P	V
	*	5260	98.51	-	-	87.59	34.77	11.38	35.23	221	237	A	V
		5420.62	48.94	-25.06	74	37.31	34.98	11.89	35.24	221	237	P	V
		5447.46	40.49	-13.51	54	28.81	35.03	11.89	35.24	221	237	A	V
802.11a CH 60 5300MHz		5065.25	50.18	-23.82	74	39.76	34.49	11.14	35.21	193	38	P	H
		5086.85	40.01	-13.99	54	29.57	34.52	11.14	35.22	193	38	A	H
	*	5300	97.66	-	-	86.56	34.82	11.51	35.23	193	38	P	H
	*	5300	89.87	-	-	78.77	34.82	11.51	35.23	193	38	A	H
		5417.54	49.59	-24.41	74	37.96	34.98	11.89	35.24	193	38	P	H
		5455.05	40.06	-13.94	54	28.38	35.03	11.89	35.24	193	38	A	H
		5112.95	49.89	-24.11	74	39.37	34.56	11.18	35.22	217	217	P	V
		5111.3	40.36	-13.64	54	29.84	34.56	11.18	35.22	217	217	A	V
	*	5300	103.97	-	-	92.87	34.82	11.51	35.23	217	217	P	V
	*	5300	96.35	-	-	85.25	34.82	11.51	35.23	217	217	A	V
		5413.58	49.55	-24.45	74	37.91	34.98	11.89	35.23	217	217	P	V
		5350.66	40.78	-13.22	54	29.36	34.89	11.76	35.23	217	217	A	V



802.11a CH 64 5320MHz	*	5320	97.58	-	-	86.34	34.84	11.63	35.23	193	38	P	H
	*	5320	89.74	-	-	78.5	34.84	11.63	35.23	193	38	A	H
		5353.08	51.34	-22.66	74	39.92	34.89	11.76	35.23	193	38	P	H
		5350	40.94	-13.06	54	29.52	34.89	11.76	35.23	193	38	A	H
													H
													H
	*	5320	103.45	-	-	92.21	34.84	11.63	35.23	213	216	P	V
	*	5320	95.81	-	-	84.57	34.84	11.63	35.23	213	216	A	V
		5350.55	55.8	-18.2	74	44.38	34.89	11.76	35.23	213	216	P	V
		5350	43.67	-10.33	54	32.25	34.89	11.76	35.23	213	216	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 52 5260MHz		10520	41.98	-32.02	74	47.27	37.32	17.17	59.78	100	0	P	H
		15780	45.96	-28.04	74	43.31	40.63	19.75	57.73	100	0	P	H
													H
													H
		10520	41.49	-32.51	74	46.78	37.32	17.17	59.78	100	0	P	V
		15780	43.3	-30.7	74	40.65	40.63	19.75	57.73	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	43.01	-30.99	74	48.08	37.42	17.17	59.66	100	0	P	H
		15900	43.38	-30.62	74	40.44	40.78	19.82	57.66	100	0	P	H
													H
													H
		10600	41.6	-32.4	74	46.67	37.42	17.17	59.66	100	0	P	V
		15900	43.29	-30.71	74	40.35	40.78	19.82	57.66	100	0	P	V
													V
													V
802.11a CH 64 5320MHz		10640	41.75	-32.25	74	46.72	37.47	17.17	59.61	100	0	P	H
		15960	43.13	-30.87	74	40.02	40.86	19.87	57.62	100	0	P	H
													H
													H
		10640	41.7	-32.3	74	46.67	37.47	17.17	59.61	100	0	P	V
		15960	43.4	-30.6	74	40.29	40.86	19.87	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		5123.45	50.35	-23.65	74	39.8	34.59	11.18	35.22	200	42	P	H
		5111.45	40.11	-13.89	54	29.59	34.56	11.18	35.22	200	42	A	H
	*	5260	97.11	-	-	86.19	34.77	11.38	35.23	200	42	P	H
	*	5260	90.36	-	-	79.44	34.77	11.38	35.23	200	42	A	H
		5416	48.82	-25.18	74	37.18	34.98	11.89	35.23	200	42	P	H
		5446.58	40.19	-13.81	54	28.51	35.03	11.89	35.24	200	42	A	H
		5149.25	50.43	-23.57	74	39.83	34.61	11.21	35.22	200	239	P	V
		5073.8	40.39	-13.61	54	29.94	34.52	11.14	35.21	200	239	A	V
	*	5260	104.64	-	-	93.72	34.77	11.38	35.23	200	239	P	V
	*	5260	94.82	-	-	83.9	34.77	11.38	35.23	200	239	A	V
		5422.05	49.38	-24.62	74	37.75	34.98	11.89	35.24	200	239	P	V
		5446.8	40.43	-13.57	54	28.75	35.03	11.89	35.24	200	239	A	V
802.11n HT20 CH 60 5300MHz		5041.85	50.07	-23.93	74	39.7	34.47	11.11	35.21	216	45	P	H
		5087.75	40.09	-13.91	54	29.65	34.52	11.14	35.22	216	45	A	H
	*	5300	97.81	-	-	86.71	34.82	11.51	35.23	216	45	P	H
	*	5300	90.97	-	-	79.87	34.82	11.51	35.23	216	45	A	H
		5422.82	49.22	-24.78	74	37.59	34.98	11.89	35.24	216	45	P	H
		5456.7	40.16	-13.84	54	28.48	35.03	11.89	35.24	216	45	A	H
		5130.35	51.03	-22.97	74	40.48	34.59	11.18	35.22	231	238	P	V
		5112.05	40.53	-13.47	54	30.01	34.56	11.18	35.22	231	238	A	V
	*	5300	105.06	-	-	93.96	34.82	11.51	35.23	231	238	P	V
	*	5300	95.65	-	-	84.55	34.82	11.51	35.23	231	238	A	V
		5350.44	49.81	-24.19	74	38.39	34.89	11.76	35.23	231	238	P	V
		5350.11	40.69	-13.31	54	29.27	34.89	11.76	35.23	231	238	A	V



802.11n HT20 CH 64 5320MHz	*	5320	97.73	-	-	86.49	34.84	11.63	35.23	200	48	P	H
	*	5320	90.81	-	-	79.57	34.84	11.63	35.23	200	48	A	H
		5350.55	50.49	-23.51	74	39.07	34.89	11.76	35.23	200	48	P	H
		5350.22	40.94	-13.06	54	29.52	34.89	11.76	35.23	200	48	A	H
													H
													H
	*	5320	104.38	-	-	93.14	34.84	11.63	35.23	230	230	P	V
	*	5320	97.57	-	-	86.33	34.84	11.63	35.23	230	230	A	V
		5352.2	60.05	-13.95	74	48.63	34.89	11.76	35.23	230	230	P	V
		5350	43.75	-10.25	54	32.33	34.89	11.76	35.23	230	230	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 52 5260MHz		10520	41.23	-32.77	74	46.52	37.32	17.17	59.78	100	0	P	H
		15780	42.68	-31.32	74	40.03	40.63	19.75	57.73	100	0	P	H
													H
													H
		10520	42.2	-31.8	74	47.49	37.32	17.17	59.78	100	0	P	V
		15780	42.36	-31.64	74	39.71	40.63	19.75	57.73	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	41.75	-32.25	74	46.82	37.42	17.17	59.66	100	0	P	H
		15900	42.19	-31.81	74	39.25	40.78	19.82	57.66	100	0	P	H
													H
													H
		10600	41.43	-32.57	74	46.5	37.42	17.17	59.66	100	0	P	V
		15900	43.07	-30.93	74	40.13	40.78	19.82	57.66	100	0	P	V
													V
													V
802.11n HT20 CH 64 5320MHz		10640	41.72	-32.28	74	46.69	37.47	17.17	59.61	100	0	P	H
		15960	42.37	-31.63	74	39.26	40.86	19.87	57.62	100	0	P	H
													H
													H
		10640	41.39	-32.61	74	46.36	37.47	17.17	59.61	100	0	P	V
		15960	42.15	-31.85	74	39.04	40.86	19.87	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		5078.6	50.09	-23.91	74	39.64	34.52	11.14	35.21	174	46	P	H
		5113.7	41.11	-12.89	54	30.59	34.56	11.18	35.22	174	46	A	H
	*	5270	94.85	-	-	83.8	34.77	11.51	35.23	174	46	P	H
	*	5270	86.75	-	-	75.7	34.77	11.51	35.23	174	46	A	H
		5455.49	50	-24	74	38.32	35.03	11.89	35.24	174	46	P	H
		5458.68	41.28	-12.72	54	29.6	35.03	11.89	35.24	174	46	A	H
		5110.25	50.34	-23.66	74	39.82	34.56	11.18	35.22	228	230	P	V
		5149.4	41.58	-12.42	54	30.98	34.61	11.21	35.22	228	230	A	V
	*	5270	100.6	-	-	89.55	34.77	11.51	35.23	228	230	P	V
	*	5270	93.27	-	-	82.22	34.77	11.51	35.23	228	230	A	V
		5454.94	50.52	-23.48	74	38.84	35.03	11.89	35.24	228	230	P	V
		5350	41.72	-12.28	54	30.3	34.89	11.76	35.23	228	230	A	V
802.11n HT40 CH 62 5310MHz		5146.85	49.39	-24.61	74	38.79	34.61	11.21	35.22	197	47	P	H
		5055.5	40.98	-13.02	54	30.59	34.49	11.11	35.21	197	47	A	H
	*	5310	95.35	-	-	84.11	34.84	11.63	35.23	197	47	P	H
	*	5310	87.26	-	-	76.02	34.84	11.63	35.23	197	47	A	H
		5352.97	52.96	-21.04	74	41.54	34.89	11.76	35.23	197	47	P	H
		5350.33	43.32	-10.68	54	31.9	34.89	11.76	35.23	197	47	A	H
		5140.7	50.06	-23.94	74	39.46	34.61	11.21	35.22	184	248	P	V
		5081.75	41.07	-12.93	54	30.62	34.52	11.14	35.21	184	248	A	V
	*	5310	101.41	-	-	90.17	34.84	11.63	35.23	184	248	P	V
	*	5310	92.79	-	-	81.55	34.84	11.63	35.23	184	248	A	V
		5355.06	56.29	-17.71	74	44.87	34.89	11.76	35.23	184	248	P	V
		5350.44	47.62	-6.38	54	36.2	34.89	11.76	35.23	184	248	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 54 5270MHz		10540	41.12	-32.88	74	46.36	37.34	17.17	59.75	100	0	P	H
		15810	41.88	-32.12	74	39.15	40.67	19.77	57.71	100	0	P	H
													H
													H
		10540	40.94	-33.06	74	46.18	37.34	17.17	59.75	100	0	P	V
		15810	42.07	-31.93	74	39.34	40.67	19.77	57.71	100	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	42.11	-31.89	74	47.13	37.44	17.17	59.63	100	0	P	H
		15930	44.39	-29.61	74	41.37	40.82	19.84	57.64	100	0	P	H
													H
													H
		10620	41.71	-32.29	74	46.73	37.44	17.17	59.63	100	0	P	V
		15930	43.48	-30.52	74	40.46	40.82	19.84	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5048.6	50.14	-23.86	74	39.77	34.47	11.11	35.21	188	47	P	H
		5120.3	41.59	-12.41	54	31.07	34.56	11.18	35.22	188	47	A	H
	*	5290	90.75	-	-	79.67	34.8	11.51	35.23	188	47	P	H
	*	5290	82.25	-	-	71.17	34.8	11.51	35.23	188	47	A	H
		5350.99	50.52	-23.48	74	39.1	34.89	11.76	35.23	188	47	P	H
		5351.32	42.75	-11.25	54	31.33	34.89	11.76	35.23	188	47	A	H
		5145.65	51.62	-22.38	74	41.02	34.61	11.21	35.22	239	227	P	V
		5142.8	42.74	-11.26	54	32.14	34.61	11.21	35.22	239	227	A	V
	*	5290	97.46	-	-	86.38	34.8	11.51	35.23	239	227	P	V
	*	5290	88.79	-	-	77.71	34.8	11.51	35.23	239	227	A	V
		5358.14	51.71	-22.29	74	40.29	34.89	11.76	35.23	239	227	P	V
		5353.52	44.85	-9.15	54	33.43	34.89	11.76	35.23	239	227	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		10580	42.03	-31.97	74	47.14	37.4	17.17	59.68	100	0	P	H
		15870	42.01	-31.99	74	39.1	40.76	19.82	57.67	100	0	P	H
													H
													H
		10580	41.98	-32.02	74	47.09	37.4	17.17	59.68	100	0	P	V
		15870	43.32	-30.68	74	40.41	40.76	19.82	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		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11a CH 100 5500MHz		5462.8	51.23	-22.77	74	39.53	35.05	11.89	35.24	193	46	P	H
		5469.84	42.42	-11.58	54	30.72	35.05	11.89	35.24	193	46	A	H
	*	5500	96.25	-	-	84.5	35.1	11.89	35.24	193	46	P	H
	*	5500	89.05	-	-	77.3	35.1	11.89	35.24	193	46	A	H
													H
													H
		5468.08	55.34	-18.66	74	43.64	35.05	11.89	35.24	178	237	P	V
		5470	44.03	-9.97	54	32.33	35.05	11.89	35.24	178	237	A	V
	*	5500	101.5	-	-	89.75	35.1	11.89	35.24	178	237	P	V
	*	5500	94.65	-	-	82.9	35.1	11.89	35.24	178	237	A	V
													V
													V
802.11a CH 116 5580MHz		5439.28	48.82	-25.18	74	37.16	35.01	11.89	35.24	186	46	P	H
		5469.84	40.16	-13.84	54	28.46	35.05	11.89	35.24	186	46	A	H
	*	5579	95.94	-	-	84.17	35.14	11.89	35.26	186	46	P	H
	*	5579	89.66	-	-	77.89	35.14	11.89	35.26	186	46	A	H
		5751	49.67	-24.33	74	37.61	35.24	12.11	35.29	186	46	P	H
		5750.12	40.56	-13.44	54	28.5	35.24	12.11	35.29	186	46	A	H
		5455.12	49.45	-24.55	74	37.77	35.03	11.89	35.24	172	217	P	V
		5468.08	40.24	-13.76	54	28.54	35.05	11.89	35.24	172	217	A	V
	*	5581	101.18	-	-	89.41	35.14	11.89	35.26	172	217	P	V
	*	5581	93.58	-	-	81.81	35.14	11.89	35.26	172	217	A	V
		5738.44	49.89	-24.11	74	37.88	35.24	12.06	35.29	172	217	P	V
		5748.68	40.56	-13.44	54	28.5	35.24	12.11	35.29	172	217	A	V



802.11a CH 140 5700MHz	*	5700	94.44	-	-	82.51	35.21	12	35.28	196	23	P	H
	*	5700	86.19	-	-	74.26	35.21	12	35.28	196	23	A	H
		5755.72	50.53	-23.47	74	38.45	35.26	12.11	35.29	196	23	P	H
		5725.08	41.25	-12.75	54	29.25	35.23	12.06	35.29	196	23	A	H
													H
													H
	*	5699	99.92	-	-	87.99	35.21	12	35.28	165	216	P	V
	*	5699	92.12	-	-	80.19	35.21	12	35.28	165	216	A	V
		5727	53.37	-20.63	74	41.37	35.23	12.06	35.29	165	216	P	V
		5725	42.43	-11.57	54	30.42	35.23	12.06	35.28	165	216	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 100 5500MHz		11000	41.97	-32.03	74	46	37.9	17.17	59.1	100	0	P	H
		16500	43.09	-30.91	74	38.26	41.4	20.23	56.8	100	0	P	H
													H
													H
		11000	41.8	-32.2	74	45.83	37.9	17.17	59.1	100	0	P	V
		16500	42.74	-31.26	74	37.91	41.4	20.23	56.8	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	43.25	-30.75	74	46.76	38	17.16	58.67	100	0	P	H
		16740	44.57	-29.43	74	38.91	41.88	20.39	56.61	100	0	P	H
													H
													H
		11160	42.25	-31.75	74	45.76	38	17.16	58.67	100	0	P	V
		16740	44.45	-29.55	74	38.79	41.88	20.39	56.61	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	42.31	-31.69	74	45.07	38.14	17.16	58.06	100	0	P	H
		17100	45.94	-28.06	74	39.43	42.32	20.65	56.46	100	0	P	H
													H
													H
		11400	41.72	-32.28	74	44.48	38.14	17.16	58.06	100	0	P	V
		17100	46.59	-27.41	74	40.08	42.32	20.65	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		5458.8	50.73	-23.27	74	39.05	35.03	11.89	35.24	204	49	P	H
		5469.68	41.01	-12.99	54	29.31	35.05	11.89	35.24	204	49	A	H
	*	5500	97.96	-	-	86.21	35.1	11.89	35.24	204	49	P	H
	*	5500	90.96	-	-	79.21	35.1	11.89	35.24	204	49	A	H
													H
													H
		5467.6	50.79	-23.21	74	39.09	35.05	11.89	35.24	208	230	P	V
		5470	42.17	-11.83	54	30.47	35.05	11.89	35.24	208	230	A	V
	*	5500	102.43	-	-	90.68	35.1	11.89	35.24	208	230	P	V
	*	5500	95.76	-	-	84.01	35.1	11.89	35.24	208	230	A	V
													V
													V
802.11n HT20 CH 116 5580MHz		5444.72	49.44	-24.56	74	37.78	35.01	11.89	35.24	191	42	P	H
		5470	40.22	-13.78	54	28.52	35.05	11.89	35.24	191	42	A	H
	*	5581	96.57	-	-	84.8	35.14	11.89	35.26	191	42	P	H
	*	5581	89.18	-	-	77.41	35.14	11.89	35.26	191	42	A	H
		5732.2	50.31	-23.69	74	38.31	35.23	12.06	35.29	191	42	P	H
		5763.48	40.64	-13.36	54	28.56	35.26	12.11	35.29	191	42	A	H
		5457.52	49.51	-24.49	74	37.83	35.03	11.89	35.24	201	227	P	V
		5466.64	40.3	-13.7	54	28.6	35.05	11.89	35.24	201	227	A	V
	*	5579	100.83	-	-	89.06	35.14	11.89	35.26	201	227	P	V
	*	5579	93.56	-	-	81.79	35.14	11.89	35.26	201	227	A	V
		5728.52	50.84	-23.16	74	38.84	35.23	12.06	35.29	201	227	P	V
		5755.32	40.66	-13.34	54	28.58	35.26	12.11	35.29	201	227	A	V



802.11n HT20 CH 140 5700MHz	*	5700	94.97	-	-	83.04	35.21	12	35.28	270	342	P	H
	*	5700	88.95	-	-	77.02	35.21	12	35.28	270	342	A	H
		5732.36	50.78	-23.22	74	38.78	35.23	12.06	35.29	270	342	P	H
		5725.08	41.41	-12.59	54	29.41	35.23	12.06	35.29	270	342	A	H
													H
													H
	*	5700	99.28	-	-	87.35	35.21	12	35.28	176	224	P	V
	*	5700	92.04	-	-	80.11	35.21	12	35.28	176	224	A	V
		5726.04	50.71	-23.29	74	38.71	35.23	12.06	35.29	176	224	P	V
		5725.32	42.04	-11.96	54	30.04	35.23	12.06	35.29	176	224	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 100 5500MHz		11000	42.65	-31.35	74	46.68	37.9	17.17	59.1	100	0	P	H
		16500	44.7	-29.3	74	39.87	41.4	20.23	56.8	100	0	P	H
													H
													H
		11000	41.85	-32.15	74	45.88	37.9	17.17	59.1	100	0	P	V
		16500	42.97	-31.03	74	38.14	41.4	20.23	56.8	100	0	P	V
													V
													V
802.11n HT20 CH 116 5580MHz		11160	42.2	-31.8	74	45.71	38	17.16	58.67	100	0	P	H
		16740	44.61	-29.39	74	38.95	41.88	20.39	56.61	100	0	P	H
													H
													H
		11160	42.29	-31.71	74	45.8	38	17.16	58.67	100	0	P	V
		16740	44.87	-29.13	74	39.21	41.88	20.39	56.61	100	0	P	V
													V
													V
802.11n HT20 CH 140 5700MHz		11400	42.37	-31.63	74	45.13	38.14	17.16	58.06	100	0	P	H
		17100	44.96	-29.04	74	38.45	42.32	20.65	56.46	100	0	P	H
													H
													H
		11400	41.71	-32.29	74	44.47	38.14	17.16	58.06	100	0	P	V
		17100	45.28	-28.72	74	38.77	42.32	20.65	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		5470	52.39	-21.61	74	40.69	35.05	11.89	35.24	200	45	P	H
		5469.84	44.71	-9.29	54	33.01	35.05	11.89	35.24	200	45	A	H
	*	5510	95.43	-	-	83.68	35.1	11.89	35.24	200	45	P	H
	*	5510	87.09	-	-	75.34	35.1	11.89	35.24	200	45	A	H
		5734.28	49.96	-24.04	74	37.96	35.23	12.06	35.29	200	45	P	H
		5747.72	41.52	-12.48	54	29.46	35.24	12.11	35.29	200	45	A	H
		5455.92	57.97	-16.03	74	46.29	35.03	11.89	35.24	205	228	P	V
		5469.68	47.81	-6.19	54	36.11	35.05	11.89	35.24	205	228	A	V
	*	5510	99.44	-	-	87.69	35.1	11.89	35.24	205	228	P	V
	*	5510	91.28	-	-	79.53	35.1	11.89	35.24	205	228	A	V
		5730.36	50.95	-23.05	74	38.95	35.23	12.06	35.29	205	228	P	V
		5752.44	41.43	-12.57	54	29.35	35.26	12.11	35.29	205	228	A	V
802.11n HT40 CH 110 5550MHz		5448.4	49.2	-24.8	74	37.52	35.03	11.89	35.24	178	43	P	H
		5469.52	41.25	-12.75	54	29.55	35.05	11.89	35.24	178	43	A	H
	*	5550	95.13	-	-	83.36	35.13	11.89	35.25	178	43	P	H
	*	5550	86.47	-	-	74.7	35.13	11.89	35.25	178	43	A	H
		5763	50.13	-23.87	74	38.05	35.26	12.11	35.29	178	43	P	H
		5725	41.47	-12.53	54	29.46	35.23	12.06	35.28	178	43	A	H
		5467.12	49.71	-24.29	74	38.01	35.05	11.89	35.24	200	234	P	V
		5466.64	41.71	-12.29	54	30.01	35.05	11.89	35.24	200	234	A	V
	*	5550	98.96	-	-	87.19	35.13	11.89	35.25	200	234	P	V
	*	5550	90.31	-	-	78.54	35.13	11.89	35.25	200	234	A	V
		5755.24	49.55	-24.45	74	37.47	35.26	12.11	35.29	200	234	P	V
		5763.24	41.42	-12.58	54	29.34	35.26	12.11	35.29	200	234	A	V



802.11n HT40 CH 134 5670MHz		5466.16	49.12	-24.88	74	37.42	35.05	11.89	35.24	200	284	P	H
		5465.68	41.04	-12.96	54	29.34	35.05	11.89	35.24	200	284	A	H
	*	5670	92.29	-	-	80.36	35.2	12	35.27	200	284	P	H
	*	5670	83.94	-	-	72.01	35.2	12	35.27	200	284	A	H
		5725.08	50.45	-23.55	74	38.45	35.23	12.06	35.29	200	284	P	H
		5725	41.59	-12.41	54	29.58	35.23	12.06	35.28	200	284	A	H
		5446.96	48.89	-25.11	74	37.21	35.03	11.89	35.24	186	230	P	V
		5461.36	41.12	-12.88	54	29.44	35.03	11.89	35.24	186	230	A	V
	*	5670	97.09	-	-	85.16	35.2	12	35.27	186	230	P	V
	*	5670	88.69	-	-	76.76	35.2	12	35.27	186	230	A	V
		5736.92	50.48	-23.52	74	38.47	35.24	12.06	35.29	186	230	P	V
		5735.4	42.1	-11.9	54	30.09	35.24	12.06	35.29	186	230	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 102 5510MHz		11020	43.19	-30.81	74	47.17	37.91	17.17	59.06	100	0	P	H
		16530	43.85	-30.15	74	38.9	41.47	20.25	56.77	100	0	P	H
													H
													H
		11020	42.54	-31.46	74	46.52	37.91	17.17	59.06	100	0	P	V
		16530	44.91	-29.09	74	39.96	41.47	20.25	56.77	100	0	P	V
													V
													V
802.11n HT40 CH 110 5550MHz		11100	43.15	-30.85	74	46.87	37.96	17.16	58.84	100	0	P	H
		16650	44.7	-29.3	74	39.33	41.71	20.34	56.68	100	0	P	H
													H
													H
		11100	42	-32	74	45.72	37.96	17.16	58.84	100	0	P	V
		16650	45.95	-28.05	74	40.58	41.71	20.34	56.68	100	0	P	V
													V
													V
802.11n HT40 CH 134 5670MHz		11340	41.9	-32.1	74	44.87	38.1	17.16	58.23	100	0	P	H
		17010	46.39	-27.61	74	39.82	42.39	20.59	56.41	100	0	P	H
													H
													H
		11340	42.03	-31.97	74	45	38.1	17.16	58.23	100	0	P	V
		17010	46.4	-27.6	74	39.83	42.39	20.59	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		5460.56	52.07	-21.93	74	40.39	35.03	11.89	35.24	179	44	P	H
		5465.36	46.44	-7.56	54	34.74	35.05	11.89	35.24	179	44	A	H
	*	5530	92.64	-	-	80.89	35.11	11.89	35.25	179	44	P	H
	*	5530	84.45	-	-	72.7	35.11	11.89	35.25	179	44	A	H
		5752.04	51.8	-22.2	74	39.72	35.26	12.11	35.29	179	44	P	H
		5739.64	42	-12	54	29.99	35.24	12.06	35.29	179	44	A	H
		5468.4	56.41	-17.59	74	44.71	35.05	11.89	35.24	203	229	P	V
		5469.2	48.98	-5.02	54	37.28	35.05	11.89	35.24	203	229	A	V
	*	5530	97.25	-	-	85.5	35.11	11.89	35.25	203	229	P	V
	*	5530	88.35	-	-	76.6	35.11	11.89	35.25	203	229	A	V
		5750.6	50.76	-23.24	74	38.7	35.24	12.11	35.29	203	229	P	V
		5727.88	42.39	-11.61	54	30.39	35.23	12.06	35.29	203	229	A	V
802.11ac VHT80 CH 122 5610MHz		5437.2	48.81	-25.19	74	37.15	35.01	11.89	35.24	191	47	P	H
		5465.04	42.11	-11.89	54	30.41	35.05	11.89	35.24	191	47	A	H
	*	5610	90.91	-	-	79.12	35.16	11.89	35.26	191	47	P	H
	*	5610	82.48	-	-	70.69	35.16	11.89	35.26	191	47	A	H
		5725.4	51.81	-22.19	74	39.81	35.23	12.06	35.29	191	47	P	H
		5748.2	42.14	-11.86	54	30.08	35.24	12.11	35.29	191	47	A	H
		5461.52	49.33	-24.67	74	37.65	35.03	11.89	35.24	192	230	P	V
		5469.84	42.56	-11.44	54	30.86	35.05	11.89	35.24	192	230	A	V
	*	5610	95.64	-	-	83.85	35.16	11.89	35.26	192	230	P	V
	*	5610	87.38	-	-	75.59	35.16	11.89	35.26	192	230	A	V
		5727.88	50.46	-23.54	74	38.46	35.23	12.06	35.29	192	230	P	V
		5743.16	42.38	-11.62	54	30.32	35.24	12.11	35.29	192	230	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 106 5530MHz		11060	42.48	-31.52	74	46.31	37.94	17.16	58.93	100	0	P	H
		16590	45.18	-28.82	74	40.03	41.57	20.31	56.73	100	0	P	H
													H
													H
		11060	43.47	-30.53	74	47.3	37.94	17.16	58.93	100	0	P	V
		16590	46.02	-27.98	74	40.87	41.57	20.31	56.73	100	0	P	V
													V
													V
802.11ac VHT80 CH 122 5610MHz		11220	42.22	-31.78	74	45.57	38.03	17.16	58.54	100	0	P	H
		16830	45.1	-28.9	74	39.1	42.06	20.48	56.54	100	0	P	H
													H
													H
		11220	41.8	-32.2	74	45.15	38.03	17.16	58.54	100	0	P	V
		16830	45.27	-28.73	74	39.27	42.06	20.48	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz	*	5720	96.51	-	-	84.5	35.23	12.06	35.28	265	265	P	H
	*	5720	92.2	-	-	80.19	35.23	12.06	35.28	265	265	A	H
													H
													H
													H
													H
	*	5720	98.99	-	-	86.98	35.23	12.06	35.28	180	221	P	V
	*	5720	91.88	-	-	79.87	35.23	12.06	35.28	180	221	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a CH 144 5720MHz		11440	42.49	-31.51	74	45.14	38.16	17.16	57.97	100	0	P	H
		17160	45.94	-28.06	74	39.47	42.27	20.7	56.5	100	0	P	H
													H
													H
		11440	42.85	-31.15	74	45.5	38.16	17.16	57.97	100	0	P	V
		17160	46.08	-27.92	74	39.61	42.27	20.7	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz	*	5720	96.41	-	-	84.4	35.23	12.06	35.28	256	247	P	H
	*	5720	90.31	-	-	78.3	35.23	12.06	35.28	256	247	A	H
													H
													H
													H
													H
	*	5720	98.16	-	-	86.15	35.23	12.06	35.28	180	224	P	V
	*	5720	90.35	-	-	78.34	35.23	12.06	35.28	180	224	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz		11440	41.94	-32.06	74	44.59	38.16	17.16	57.97	100	0	P	H
		17160	45.53	-28.47	74	39.06	42.27	20.7	56.5	100	0	P	H
													H
													H
		11440	41.46	-32.54	74	44.11	38.16	17.16	57.97	100	0	P	V
		17160	45.98	-28.02	74	39.51	42.27	20.7	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 Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz	*	5710	93.96	-	-	81.96	35.22	12.06	35.28	253	266	P	H
	*	5710	87.1	-	-	75.1	35.22	12.06	35.28	253	266	A	H
													H
													H
													H
													H
	*	5710	95.08	-	-	83.08	35.22	12.06	35.28	180	222	P	V
	*	5710	88.21	-	-	76.21	35.22	12.06	35.28	180	222	A	V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 CH 142 5710MHz		11420	43.03	-30.97	74	45.74	38.15	17.16	58.02	100	0	P	H
		17130	45.6	-28.4	74	39.12	42.29	20.67	56.48	100	0	P	H
													H
													H
		11420	41.54	-32.46	74	44.25	38.15	17.16	58.02	100	0	P	V
		17130	46.12	-27.88	74	39.64	42.29	20.67	56.48	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	91.02	-	-	79.09	35.21	12	35.28	257	265	P	H
	*	5690	84.44	-	-	72.51	35.21	12	35.28	257	265	A	H
													H
													H
	*	5690	92.28	-	-	80.35	35.21	12	35.28	188	224	P	V
	*	5690	85.91	-	-	73.98	35.21	12	35.28	188	224	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

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

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz		11380	42.61	-31.39	74	45.42	38.13	17.16	58.1	100	0	P	H
		17070	48.3	-25.7	74	41.74	42.35	20.65	56.44	100	0	P	H
													H
													H
		11380	42.32	-31.68	74	45.13	38.13	17.16	58.1	100	0	P	V
		17070	47.5	-26.5	74	40.94	42.35	20.65	56.44	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												

Emission below 1GHz

WIFI 802.11a (LF @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11a LF		30.54	23.01	-16.99	40	28.81	25.46	1.07	32.33	100	80	P	H
		162.03	19.78	-23.72	43.5	33.41	16.8	1.78	32.21	-	-	P	H
		222.78	19.48	-26.52	46	32.96	16.64	2.07	32.19	-	-	P	H
		475.7	23.49	-22.51	46	28.96	23.65	3.04	32.16	-	-	P	H
		739.6	28.36	-17.64	46	29.65	27.04	3.74	32.07	-	-	P	H
		986.7	32.04	-21.96	54	28.43	30.27	3.98	30.64	-	-	P	H
													H
													H
													H
													H
													H
													H
													H
		48.09	30.79	-9.21	40	46.06	15.93	1.07	32.27	100	200	P	V
		133.41	30.4	-13.1	43.5	42.87	18.18	1.55	32.2	-	-	P	V
		282.18	22.24	-23.76	46	32.64	19.38	2.32	32.1	-	-	P	V
		428.8	24.9	-21.1	46	31.34	22.8	2.89	32.13	-	-	P	V
		704.6	27.95	-18.05	46	29.9	26.46	3.74	32.15	-	-	P	V
		985.3	31.87	-22.13	54	28.28	30.27	3.98	30.66	-	-	P	V
													V
												V	
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz

WIFI 802.11n HT20 (LF @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 LF		30.27	23.1	-16.9	40	28.36	26	1.07	32.33	-	-	P	H
		155.01	24.86	-18.64	43.5	37.94	17.35	1.78	32.21	-	-	P	H
		239.25	21.49	-24.51	46	33.59	18	2.07	32.17	-	-	P	H
		348.3	26.31	-19.69	46	34.75	21.15	2.5	32.09	-	-	P	H
		745.9	28.2	-17.8	46	29.3	27.14	3.82	32.06	-	-	P	H
		944.7	32.13	-13.87	46	29.02	30.08	4.07	31.04	150	50	P	H
													H
													H
													H
													H
													H
													H
													H
		47.82	31.3	-8.7	40	46.15	16.35	1.07	32.27	100	230	P	V
		164.46	30.66	-12.84	43.5	44.6	16.5	1.78	32.22	-	-	P	V
		246	31.37	-14.63	46	42.82	18.64	2.07	32.16	-	-	P	V
		527.5	24.52	-21.48	46	29.15	24.42	3.14	32.19	-	-	P	V
		817.3	30.56	-15.44	46	30.47	28.05	3.9	31.86	-	-	P	V
		950.3	32.38	-13.62	46	29.1	30.2	4.07	30.99	-	-	P	V
													V
												V	
												V	
												V	
												V	
												V	
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Emission below 1GHz
WIFI 802.11n HT40 (LF @ 3m)

WIFI Ant. 1	Note	Frequency (MHz)	Level (dBμV/m)	Over Limit (dB)	Limit Line (dBμV/m)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT40 LF		31.35	23.28	-16.72	40	29.08	25.46	1.07	32.33	100	150	P	H
		166.89	22.6	-20.9	43.5	36.74	16.3	1.78	32.22	-	-	P	H
		290.01	19.24	-26.76	46	29.31	19.7	2.32	32.09	-	-	P	H
		507.2	24	-22	46	28.79	24.25	3.14	32.18	-	-	P	H
		738.2	28.94	-17.06	46	30.27	27.01	3.74	32.08	-	-	P	H
		994.4	32.34	-21.66	54	28.65	30.29	3.98	30.58	-	-	P	H
													H
													H
													H
													H
													H
													H
		47.28	30.44	-9.56	40	45.29	16.35	1.07	32.27	100	300	P	V
		163.92	25.98	-17.52	43.5	39.82	16.6	1.78	32.22	-	-	P	V
		246.81	20.38	-25.62	46	31.73	18.73	2.07	32.15	-	-	P	V
		521.2	34.81	-11.19	46	39.5	24.36	3.14	32.19	-	-	P	V
		818.7	29.4	-16.6	46	29.28	28.07	3.9	31.85	-	-	P	V
		974.8	32.63	-21.37	54	29.07	30.25	4.07	30.76	-	-	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 802.11ac VHT80 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.		(MHz)	(dBμV/m)	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	(H/V)
1				(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11ac VHT80 LF		61.32	23.31	-16.69	40	42.2	12.07	1.28	32.24	-	-	P	H
		164.46	22.33	-21.17	43.5	36.27	16.5	1.78	32.22	-	-	P	H
		233.31	27.06	-18.94	46	39.65	17.52	2.07	32.18	-	-	P	H
		502.3	24.37	-21.63	46	29.19	24.22	3.14	32.18	-	-	P	H
		769.7	28.48	-17.52	46	29.27	27.4	3.82	32.01	-	-	P	H
		937	32.15	-13.85	46	29.26	29.89	4.12	31.12	200	180	P	H
													H
													H
													H
													H
													H
													H
		47.28	30.77	-9.23	40	45.62	16.35	1.07	32.27	100	350	P	V
		129.09	18.7	-24.8	43.5	31.09	18.26	1.55	32.2	-	-	P	V
		279.21	19.12	-26.88	46	29.59	19.31	2.32	32.1	-	-	P	V
		508.6	23.81	-22.19	46	28.59	24.26	3.14	32.18	-	-	P	V
		778.8	28.69	-17.31	46	29.37	27.49	3.82	31.99	-	-	P	V
		983.9	32.06	-21.94	54	28.48	30.27	3.98	30.67	-	-	P	V
													V
													V
												V	
												V	
												V	
												V	
												V	
Remark	3. No other spurious found.												
	4. All results are PASS against limit line.												



Note symbol

*	Fundamental Frequency which can be ignored. However, the level of any unwanted emissions shall not exceed the level of the fundamental frequency.
!	Test result is over limit line.
P/A	P eak or A verage
H/V	H orizontal or V ertical



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

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

Test Engineer :	Ken Wu, James Chiu, and Jesse Wang	Temperature :	20~24°C
		Relative Humidity :	50~66%

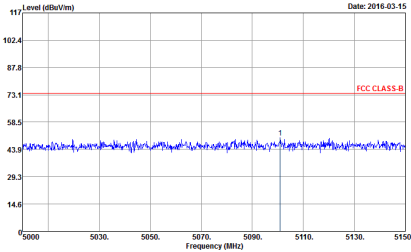
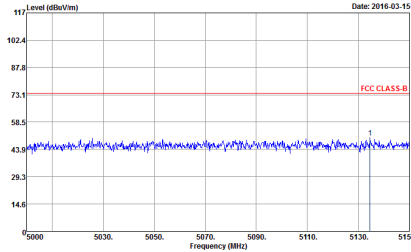
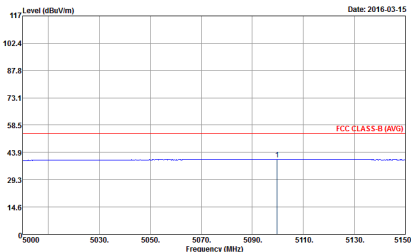
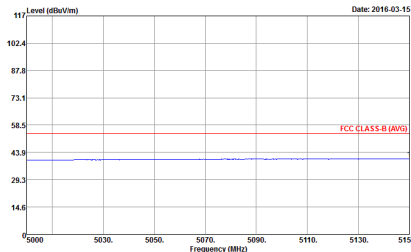
Note symbol

-L	Low channel location
-R	High channel location



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

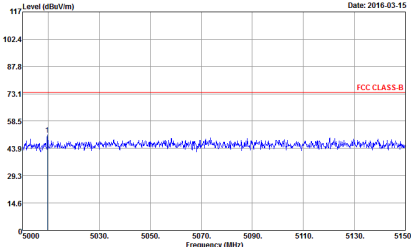
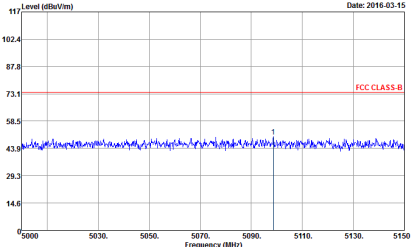
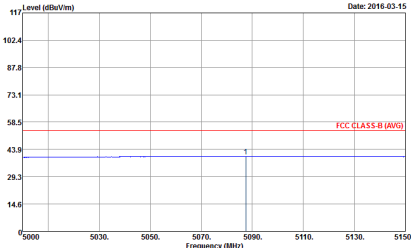
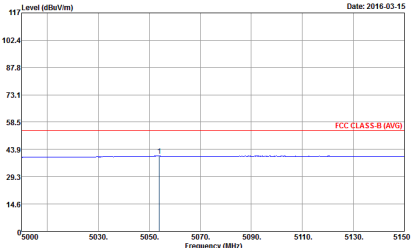
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak	Level (dBuV/m) vs Frequency (MHz) for Horizontal Peak. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B limit. The signal is below the limit across the entire frequency range. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz VSW: 3000.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 1	Level (dBuV/m) vs Frequency (MHz) for Vertical Peak. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B limit. The signal is below the limit across the entire frequency range. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 VERTICAL RBW: 1000.000kHz VSW: 3000.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 1
Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal Average. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B (AVG) limit. The signal is below the limit across the entire frequency range. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz VSW: 0.010kHz SWT: Auto Detector : Peak Project : 621809 Mode : 1	Level (dBuV/m) vs Frequency (MHz) for Vertical Average. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B (AVG) limit. The signal is below the limit across the entire frequency range. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 VERTICAL RBW: 1000.000kHz VSW: 0.010kHz SWT: Auto Detector : Peak Project : 621809 Mode : 1

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	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 Project : 621809 Mode : 2	 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 2
Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak Project : 621809 Mode : 2	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:0.010kHz SWT:Auto Detector : Peak Project : 621809 Mode : 2



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 2	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 2
Avg.	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 2	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 2



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 3	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 3
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 3	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 3



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 3	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 VERTICAL Detector : Peak Project : 621809 Mode : 3
Avg.	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 3	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 VERTICAL Detector : Peak Project : 621809 Mode : 3



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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 10	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 10
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 10	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 10



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 11	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 11
Avg.	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 11	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 11



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 11	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 11
Avg.	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 11	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 11



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 12	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 12
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 12	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 12



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 12	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 VERTICAL Detector : Peak Project : 621809 Mode : 12
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 12	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 VERTICAL Detector : Peak Project : 621809 Mode : 12



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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 19	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 19
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 19	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 19



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 19	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 19
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 19	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 19



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 20	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 20
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 20	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 20



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 20	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 20
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 20	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 20



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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	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 blue trace shows the measured signal, which is below the limit. A peak is marked at 5050 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 26	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 blue trace shows the measured signal, which is below the limit. A peak is marked at 5150 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 26
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 blue trace shows the averaged signal, which is below the limit. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 26	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 blue trace shows the averaged signal, which is below the limit. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 26



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 26	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 26
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 26	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 26



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 1	Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 1



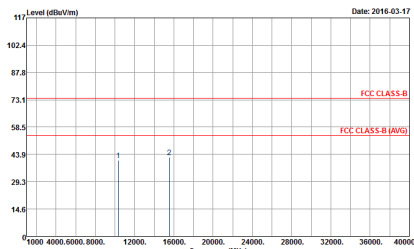
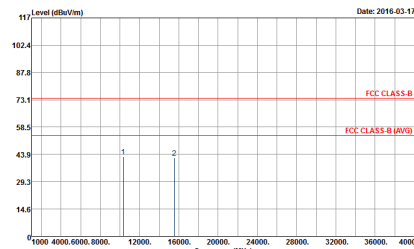
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 2	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 2



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 3	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 3



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 10	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 10



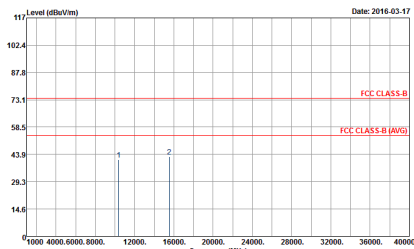
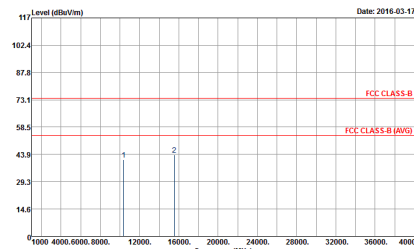
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 11	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 11



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 12	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 12



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

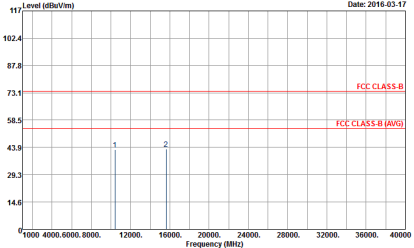
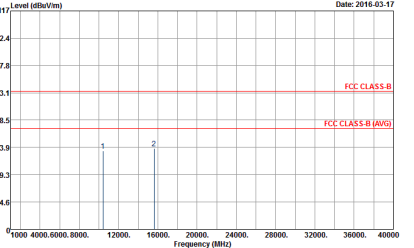
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 19	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 19



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 20	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 20



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 26	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 26



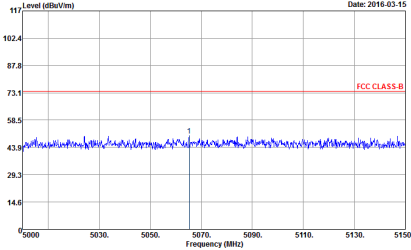
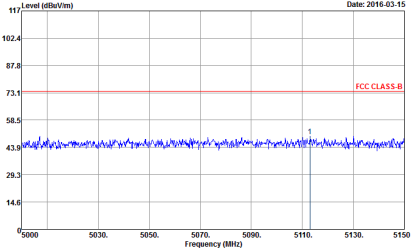
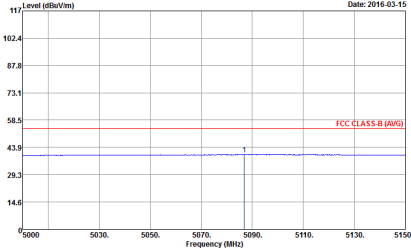
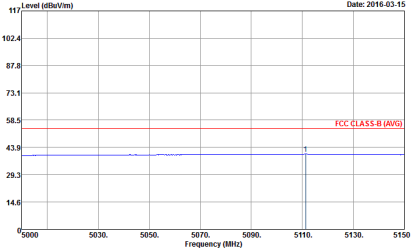
Band 2 - 5250~5350MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Vertical
Peak	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a noisy baseline around 43.9 dBuV/m with a red line indicating the FCC CLASS-B limit at 73.1 dBuV/m. A small peak is visible at 5260 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz VSW: 3000.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 4	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a noisy baseline around 43.9 dBuV/m with a red line indicating the FCC CLASS-B limit at 73.1 dBuV/m. A small peak is visible at 5260 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 VERTICAL RBW: 1000.000kHz VSW: 3000.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 4
Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal polarization. The plot shows a flat baseline around 43.9 dBuV/m with a red line indicating the FCC CLASS-B (AVG) limit at 58.5 dBuV/m. A small peak is visible at 5260 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz VSW: 0.010kHz SWT: Auto Detector : Peak Project : 621809 Mode : 4	Level (dBuV/m) vs Frequency (MHz) for Vertical polarization. The plot shows a flat baseline around 43.9 dBuV/m with a red line indicating the FCC CLASS-B (AVG) limit at 58.5 dBuV/m. A small peak is visible at 5260 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 VERTICAL RBW: 1000.000kHz VSW: 0.010kHz SWT: Auto Detector : Peak Project : 621809 Mode : 4



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 4	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 VERTICAL Detector : Peak Project : 621809 Mode : 4
Avg.	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 4	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 VERTICAL Detector : Peak Project : 621809 Mode : 4



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 5	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 5
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 5	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 5



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 5	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 VERTICAL Detector : Peak Project : 621809 Mode : 5
Avg.	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 5	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 VERTICAL Detector : Peak Project : 621809 Mode : 5



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 6	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 6
Avg.	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 6	Level (dBuV/m) Date: 2016-03-15 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 6



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 13	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 13
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 13	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 13



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 13	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 13
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 13	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 13



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 14	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 14
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 14	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 14



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 14	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 14
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 14	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 14



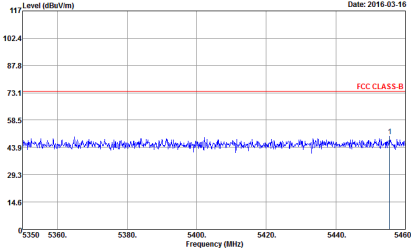
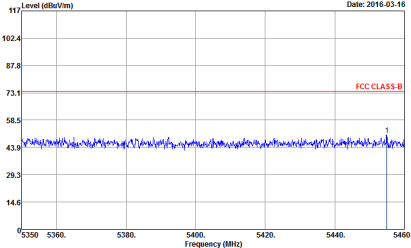
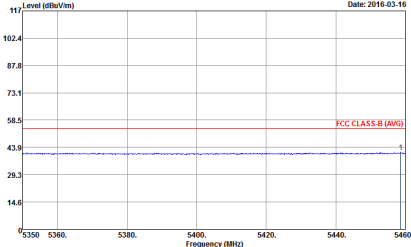
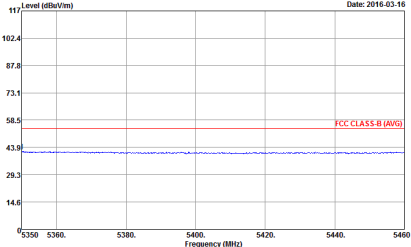
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 15	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 15
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 15	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 15



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	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 fluctuating around 43.9 dBuV/m. A small peak is visible at 5110 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 21	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 fluctuating around 43.9 dBuV/m. A small peak is visible at 5110 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 21
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 flat blue line at 43.9 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 21	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 flat blue line at 43.9 dBuV/m. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 21



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 21	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 21
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz VBW: 1.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 21	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 VERTICAL RBW: 1000.000kHz VBW: 1.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 21



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : Z2	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : Z2
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : Z2	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : Z2



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 HORIZONTAL Detector : Peak Project : 621809 Mode : Z2	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 VERTICAL Detector : Peak Project : 621809 Mode : Z2
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL Detector : Peak Project : 621809 Mode : Z2	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 VERTICAL Detector : Peak Project : 621809 Mode : Z2



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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	Horizontal	Vertical
Peak	Level (dBuV/m) vs Frequency (MHz) for Horizontal Peak. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B limit. The signal is below the limit across the entire frequency range from 5000 to 5150 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 27	Level (dBuV/m) vs Frequency (MHz) for Vertical Peak. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B limit. The signal is below the limit across the entire frequency range from 5000 to 5150 MHz. Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 27
Avg.	Level (dBuV/m) vs Frequency (MHz) for Horizontal Average. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B (AVG) limit. The signal is below the limit across the entire frequency range from 5000 to 5150 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 27	Level (dBuV/m) vs Frequency (MHz) for Vertical Average. The plot shows a blue line representing the measured signal and a red line for the FCC CLASS-B (AVG) limit. The signal is below the limit across the entire frequency range from 5000 to 5150 MHz. Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 27



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Vertical
Peak	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 27	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 27
Avg.	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 27	Level (dBuV/m) Date: 2016-03-16 Frequency (MHz) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 27



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 4	Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 4



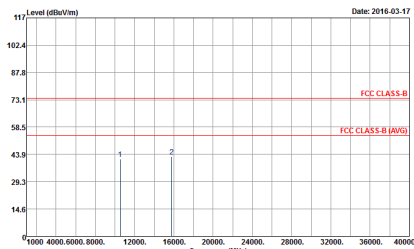
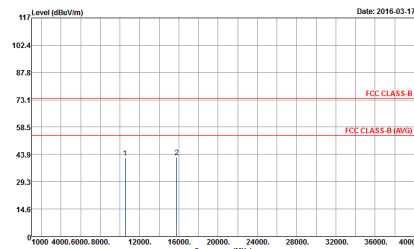
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 5	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 5



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 6	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 6



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

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : T3	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : T3



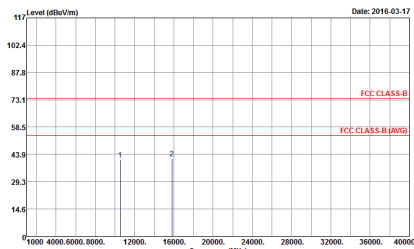
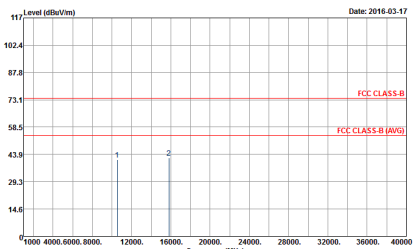
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 14	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 14



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 15	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 15



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

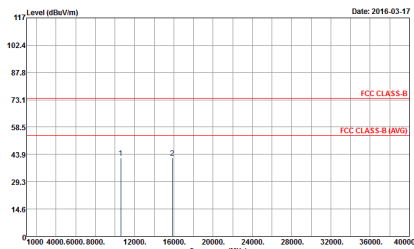
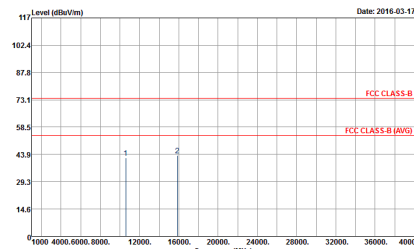
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 21	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 21



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 22	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 22



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

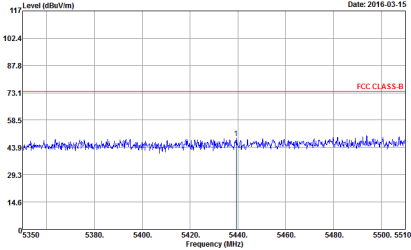
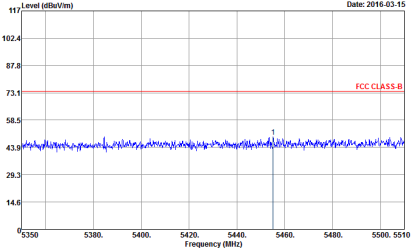
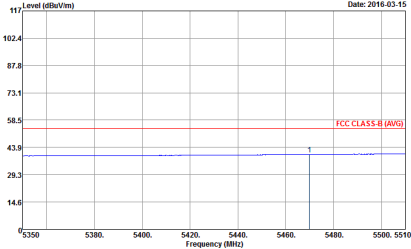
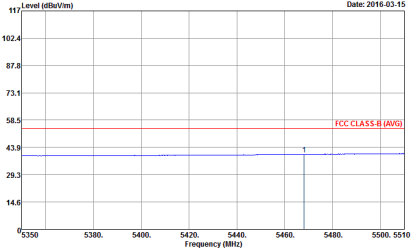
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 27	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 27



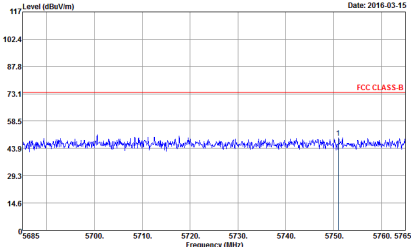
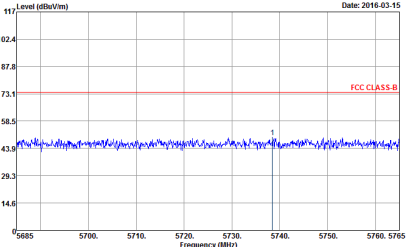
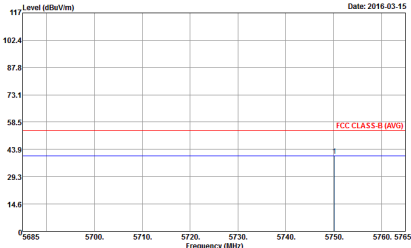
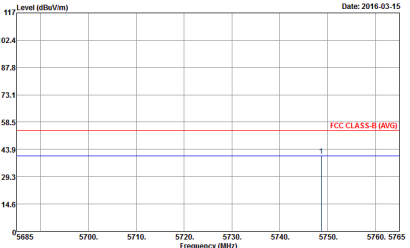
Band 3 - 5470~5725MHz
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz VSW: 3000.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 7	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 VERTICAL RBW: 1000.000kHz VSW: 3000.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 7
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz VSW: 0.0100kHz SWT: Auto Detector : Peak Project : 621809 Mode : 7	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 VERTICAL RBW: 1000.000kHz VSW: 0.0100kHz SWT: Auto Detector : Peak Project : 621809 Mode : 7

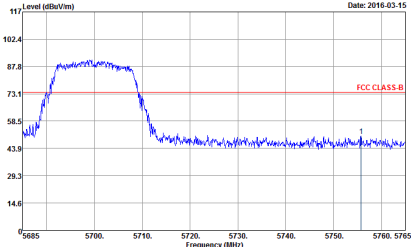
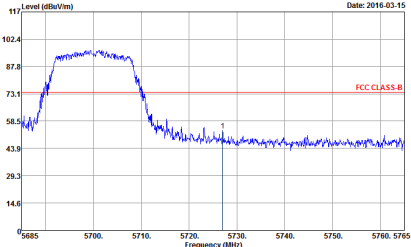
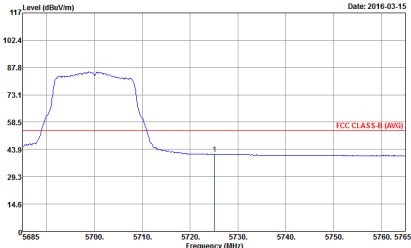
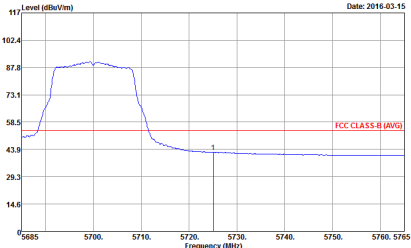


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 8	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 8
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 8	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 8



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 8	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 8
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 8	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 8



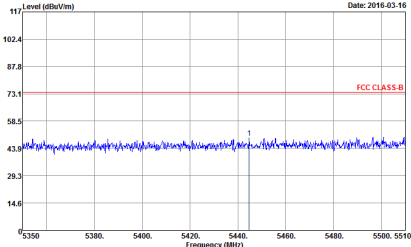
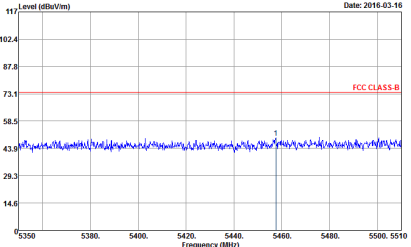
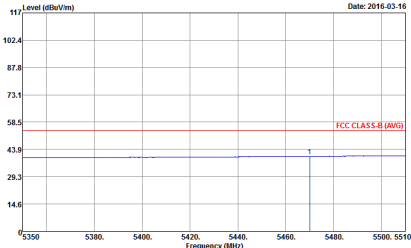
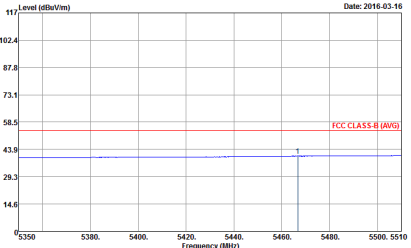
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 9	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 9
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 9	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-15 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 Project : 621809 Mode : 9



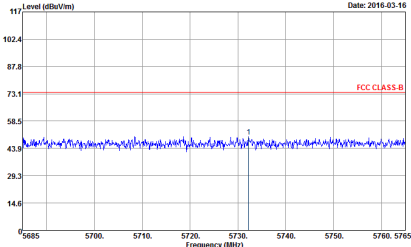
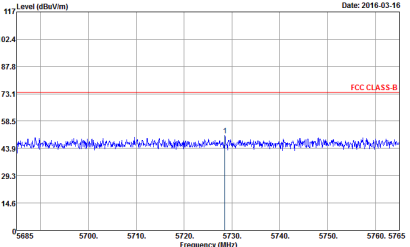
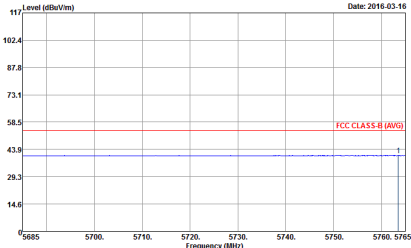
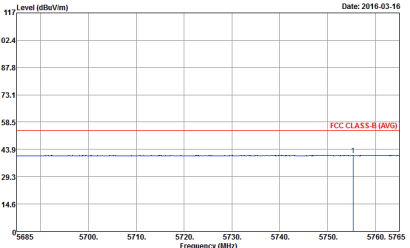
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 16	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 16
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 16	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 16

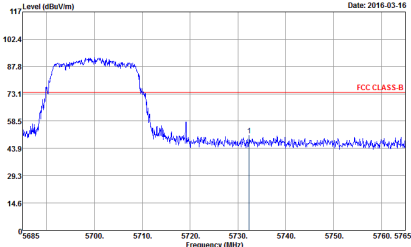
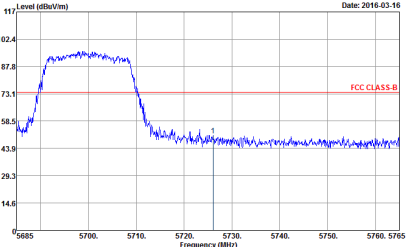
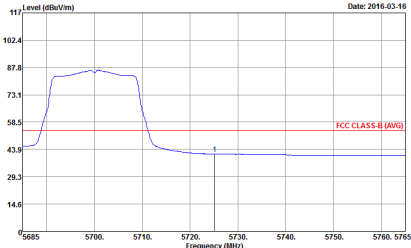
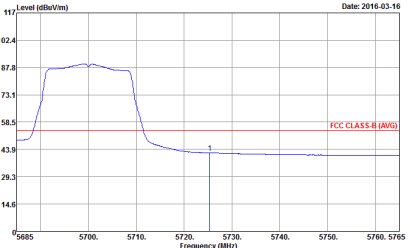


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 17	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 17
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 17	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 17



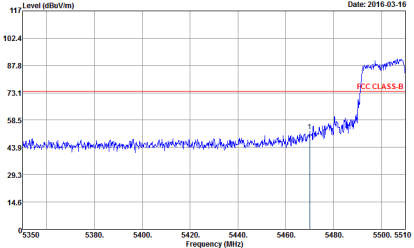
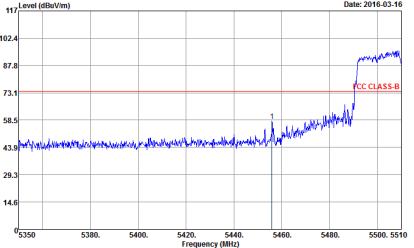
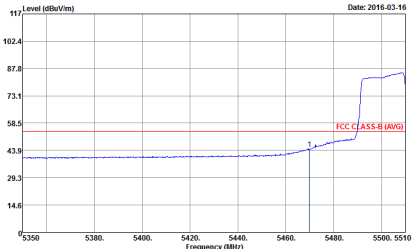
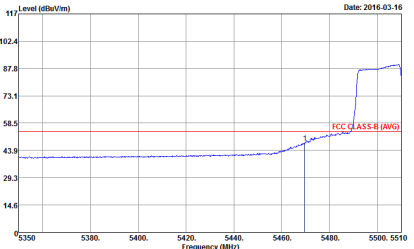
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 17	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 17
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 17	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 17



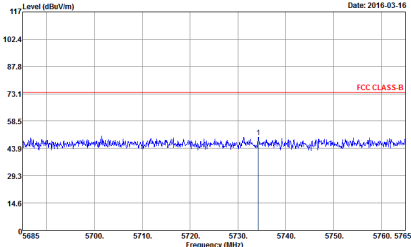
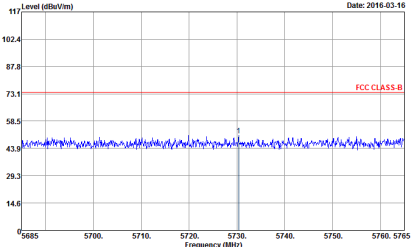
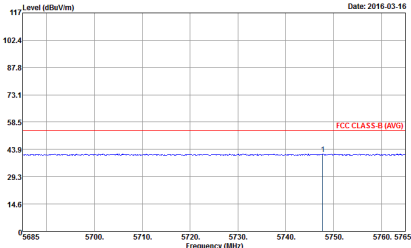
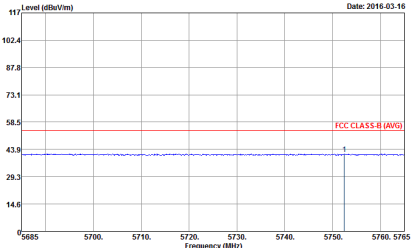
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 18	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 18
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 18	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 18



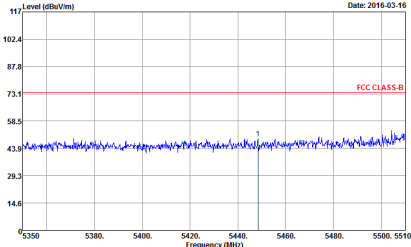
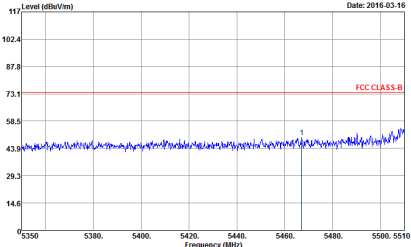
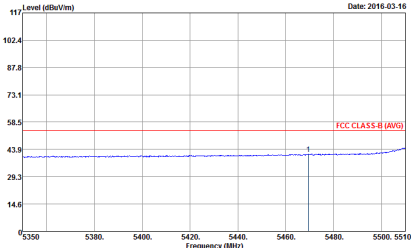
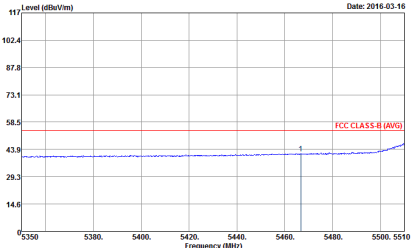
Band 3 5470~5725MHz
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Vertical
Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 23	 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 23
Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 23	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 23

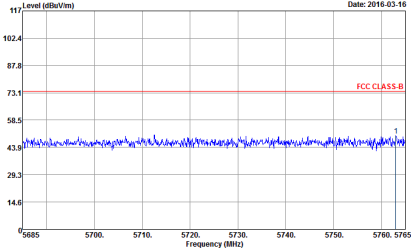
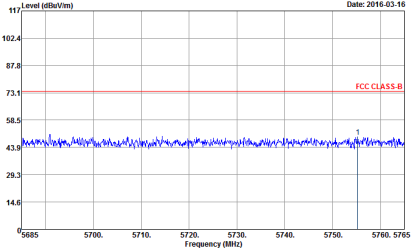
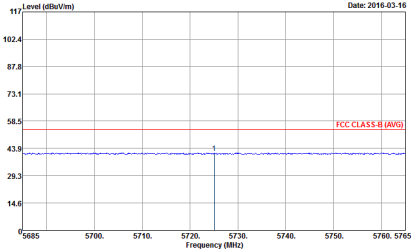
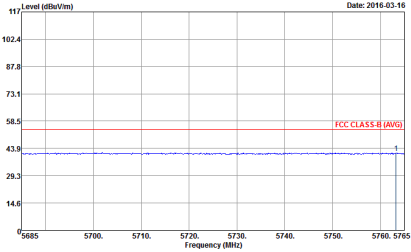


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : Z3	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : Z3
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : Z3	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : Z3

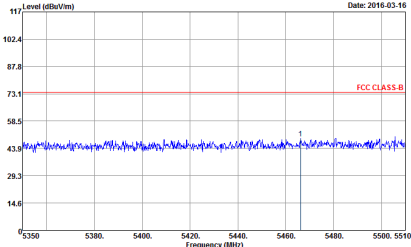
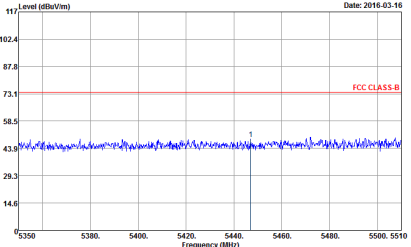
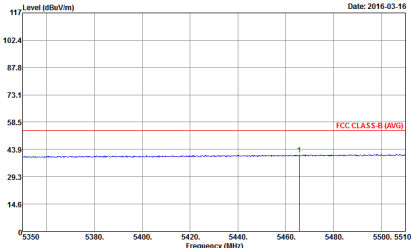
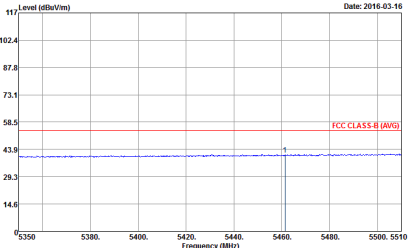


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 24	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 24
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 24	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 24

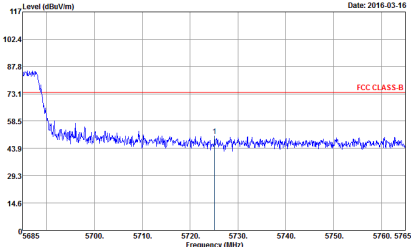
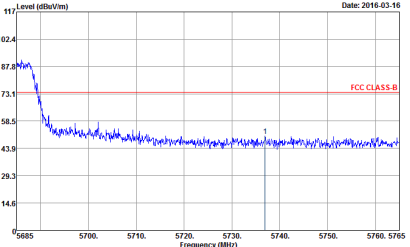
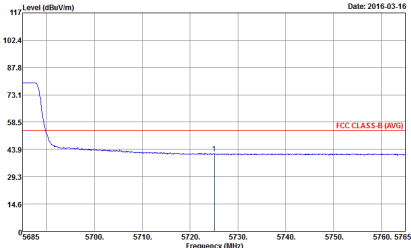
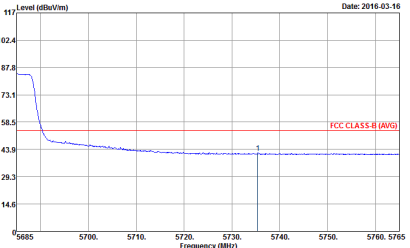


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 24	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 24
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 24	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:1.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 24



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 25	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 25
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz VBW: 1.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 25	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 VERTICAL RBW: 1000.000kHz VBW: 1.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 25



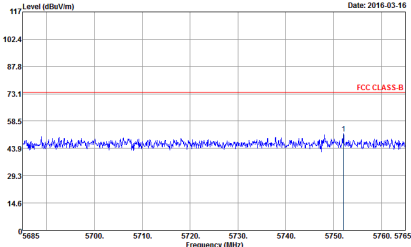
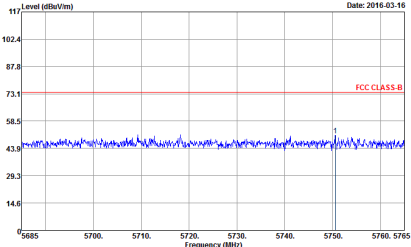
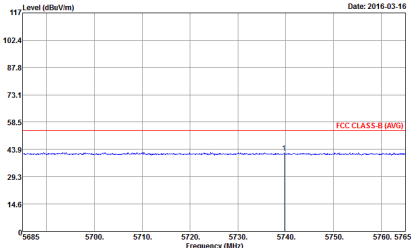
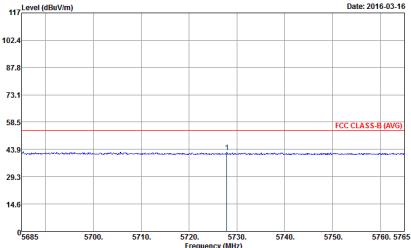
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 25	 Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 25
Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 25	 Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 25



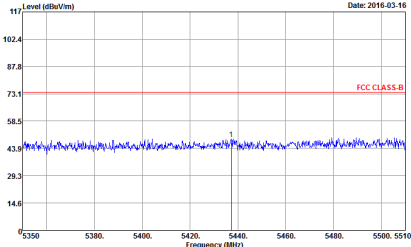
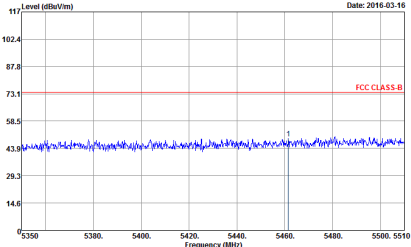
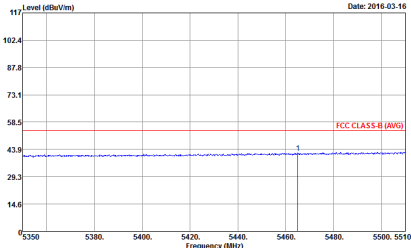
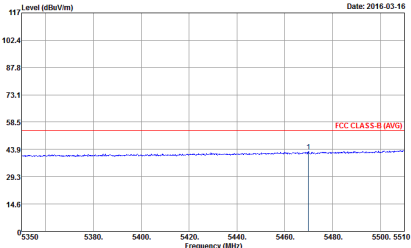
Band 3 5470~5725MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
Peak	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 28	Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 28
Avg.	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL Detector : Peak Project : 621809 Mode : 28	Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL Detector : Peak Project : 621809 Mode : 28

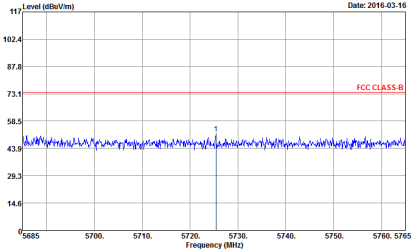
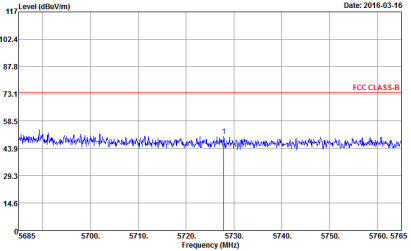
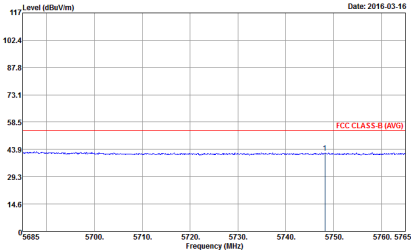
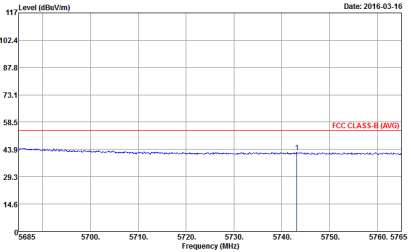


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B Site : 03CH07-HY Condition : FCC CLASS-B 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz VBW: 3000.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 28	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 28
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 HORIZONTAL RBW: 1000.000kHz VBW: 3.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 28	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT, 130829 VERTICAL RBW: 1000.000kHz VBW: 3.000kHz SWT: Auto Detector : Peak Project : 621809 Mode : 28



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 29	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 29
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 29	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 29



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Horizontal	Vertical
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 29	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 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 Project : 621809 Mode : 29
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 HORIZONTAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 29	 Level (dBuV/m) Frequency (MHz) Date: 2016-03-16 FCC CLASS-B (AVG) Site : 03CH07-HY Condition : FCC CLASS-B (AVG) 3m HF-ANT_130829 VERTICAL RBW:1000.000kHz VBW:3.000kHz SWT:Auto Detector : Peak Project : 621809 Mode : 29



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 7	Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 7



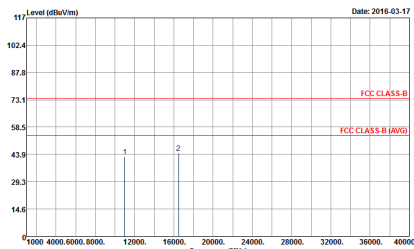
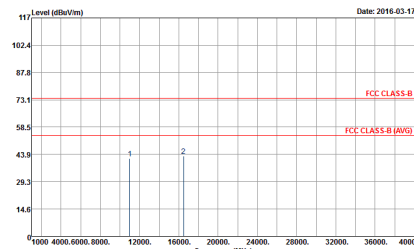
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : B	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : B



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 9	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 9



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 16	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 16



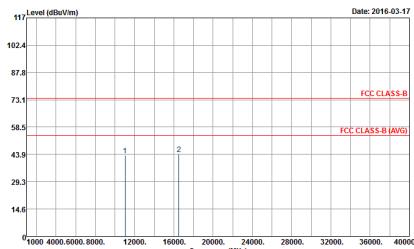
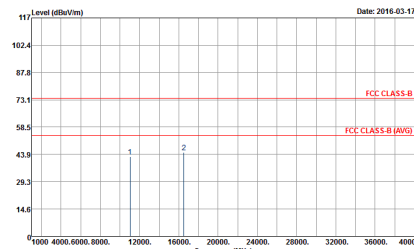
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 17	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 17



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 18	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 18



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 23	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 23



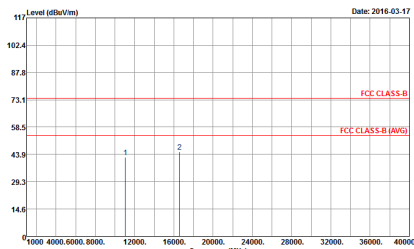
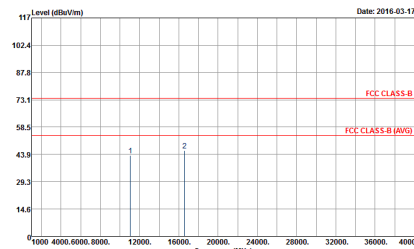
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 24	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 24



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 25	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 25



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

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 28	 Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 28



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1	Horizontal	Vertical
Peak Avg.	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 29	Level (dBuV/m) Date: 2016-03-17 Frequency (MHz) Site : 03CH07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 29



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CM07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 30	Site : 03CM07-11Y Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 30



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 31	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 31



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 32	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 32

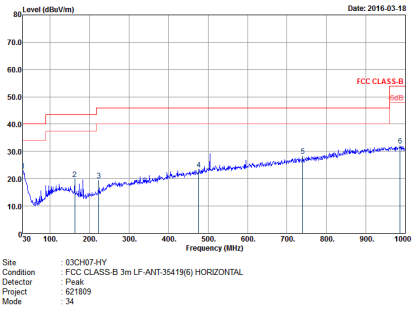
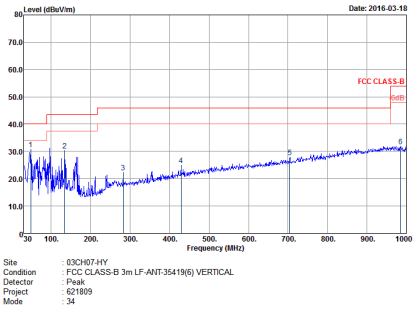


Band 3 – Straddle Channel
WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 HORIZONTAL Detector : Peak Project : 621809 Mode : 33	Site : 03CH07-HY Condition : FCC CLASS-B 3m SHF-EHF_131029 VERTICAL Detector : Peak Project : 621809 Mode : 33

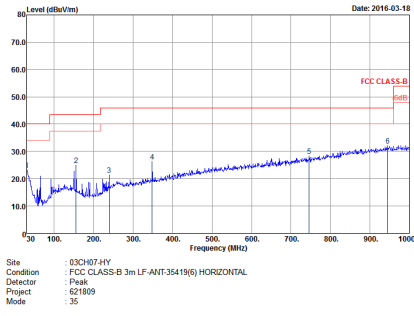
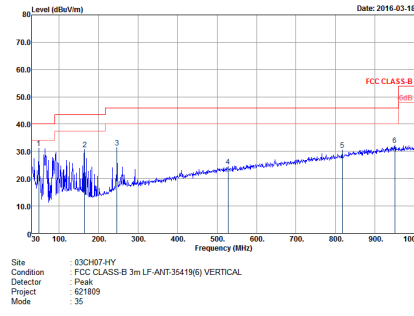


Emission below 1GHz
5GHz WIFI 802.11a (LF)

WIFI	5GHz WIFI	
ANT	802.11a LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CM07-11Y Condition : FCC CLASS-B 3m LF-ANT-35419(6) HORIZONTAL Detector : Peak Project : 621809 Mode : 34	 Site : 03CM07-11Y Condition : FCC CLASS-B 3m LF-ANT-35419(6) VERTICAL Detector : Peak Project : 621809 Mode : 34

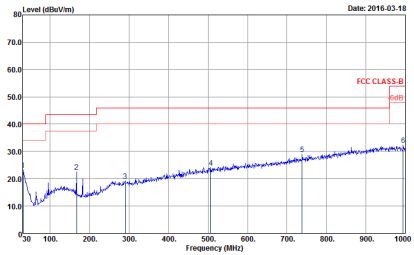
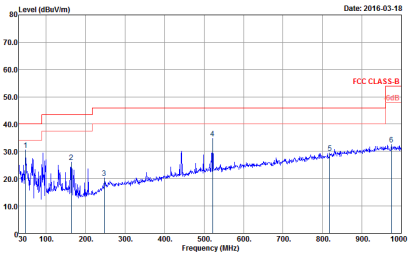


Emission below 1GHz
5GHz WIFI 802.11n HT20 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT20 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH07-11Y Condition : FCC CLASS-B 3m LF-ANT-35419(6) HORIZONTAL Detector : Peak Project : 621809 Mode : 35	 Site : 03CH07-11Y Condition : FCC CLASS-B 3m LF-ANT-35419(6) VERTICAL Detector : Peak Project : 621809 Mode : 35

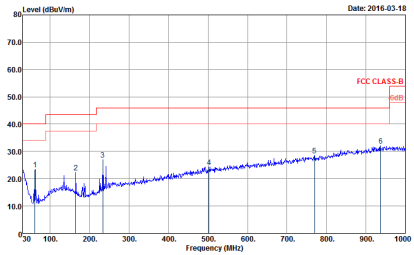
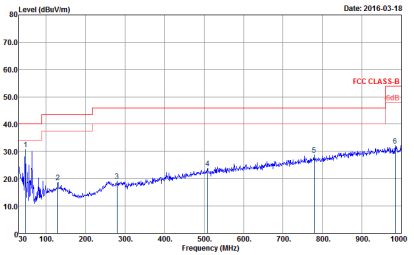


Emission below 1GHz
5GHz WIFI 802.11n HT40 (LF)

WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CM7-11Y Condition : FCC CLASS-B 3m LF-ANT-35419(6) HORIZONTAL Detector : Peak Project : 621809 Mode : 36	 Site : 03CM7-11Y Condition : FCC CLASS-B 3m LF-ANT-35419(6) VERTICAL Detector : Peak Project : 621809 Mode : 36



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

WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CM07-11Y Condition : FCC CLASS-B 3m LF-ANT-35419(6) HORIZONTAL Detector : Peak Project : 621809 Mode : 37	 Site : 03CM07-11Y Condition : FCC CLASS-B 3m LF-ANT-35419(6) VERTICAL Detector : Peak Project : 621809 Mode : 37