



FCC RF Test Report

APPLICANT : Ubiquiti Networks, Inc.
EQUIPMENT : IsoStation M5
BRAND NAME : UBIQUITI
MODEL NAME : IS-M5
FCC ID : SWX-ISM5
STANDARD : FCC Part 15 Subpart E §15.407
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was received on Dec. 24, 2016 and testing was completed on Mar. 08, 2017. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



SPORTON INTERNATIONAL INC.

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

SPORTON INTERNATIONAL INC.

TEL : 886-3-327-3456

FAX : 886-3-328-4978

FCC: SWX-ISM5

Page Number : 1 of 28

Report Issued Date : Mar. 24, 2017

Report Version : Rev. 01

Report Template No.: BU5-FR15EWL AC MA Version 2.0



TABLE OF CONTENTS

REVISION HISTORY.....	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer.....	5
1.3 Product Feature of Equipment Under Test.....	5
1.4 Modification of EUT	5
1.5 Testing Location	6
1.6 Applicable Standards.....	6
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	7
2.1 Test Mode.....	7
2.2 Connection Diagram of Test System.....	8
2.3 Support Unit used in test configuration and system	9
2.4 EUT Operation Test Setup	9
2.5 Measurement Results Explanation Example.....	9
3 TEST RESULT	10
3.1 26dB & 99% Occupied Bandwidth Measurement	10
3.2 Maximum Conducted Output Power Measurement	12
3.3 Power Spectral Density Measurement	14
3.4 Unwanted Emissions Measurement.....	17
3.5 AC Conducted Emission Measurement.....	22
3.6 Frequency Stability Measurement.....	24
3.7 Automatically Discontinue Transmission	25
3.8 Antenna Requirements.....	26
4 LIST OF MEASURING EQUIPMENT	27
5 UNCERTAINTY OF EVALUATION	28
APPENDIX A. CONDUCTED TEST RESULTS	
APPENDIX B. AC CONDUCTED EMISSION TEST RESULT	
APPENDIX C. RADIATED SPURIOUS EMISSION	
APPENDIX D. RADIATED SPURIOUS EMISSION PLOTS	
APPENDIX E. DUTY CYCLE PLOTS	
APPENDIX F. SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR6N2218-02	Rev. 01	Initial issue of report	Mar. 24, 2017



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 0.49 dB at 5455.600 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 13.00 dB at 0.150 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

Ubiquiti Networks, Inc.
2580 Orchard Parkway San Jose, CA 95131

1.2 Manufacturer

Ubiquiti Networks, Inc.
2580 Orchard Parkway San Jose, CA 95131

1.3 Product Feature of Equipment Under Test

Wi-Fi 5GHz 802.11a/n/ac

Product Specification subjective to this standard	
Antenna Type	WLAN: Horn Antenna

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. TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

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

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

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No.	
	03CH11-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 v01r03.
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ FCC KDB 644545 D03 Guidance for IEEE 802.11ac New Rules v01
- ♦ ANSI C63.10-2013

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

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

2.1 Test Mode

Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates as below table.

MIMO Antenna

Modulation	Data Rate
802.11ac VHT10	MCS0
802.11ac VHT20	MCS0
802.11ac VHT30	MCS0
802.11ac VHT40	MCS0

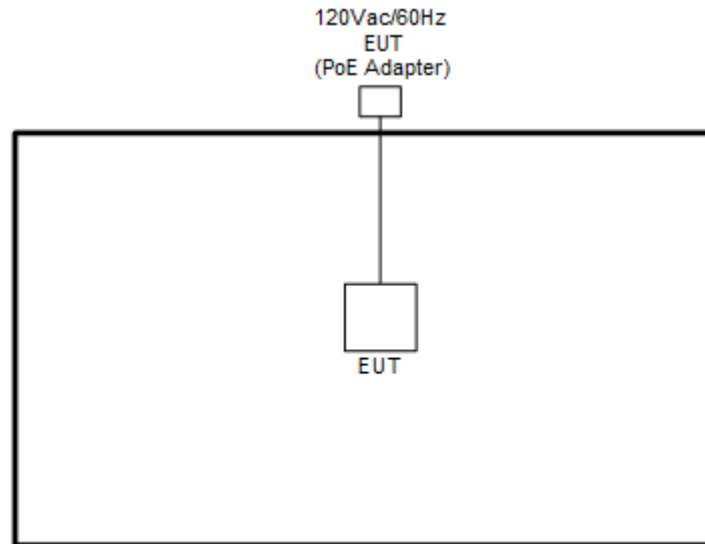
Test Cases	
AC Conducted Emission	Mode 1 : WLAN (5GHz) Link + LAN Link + POE

Ch. #		Band II : 5250-5350 MHz			
		802.11ac VHT10	802.11ac VHT20	802.11ac VHT30	802.11ac VHT40
L	Low	51	52	53	54
M	Middle	60	60	60	60
H	High	68	67	66	65

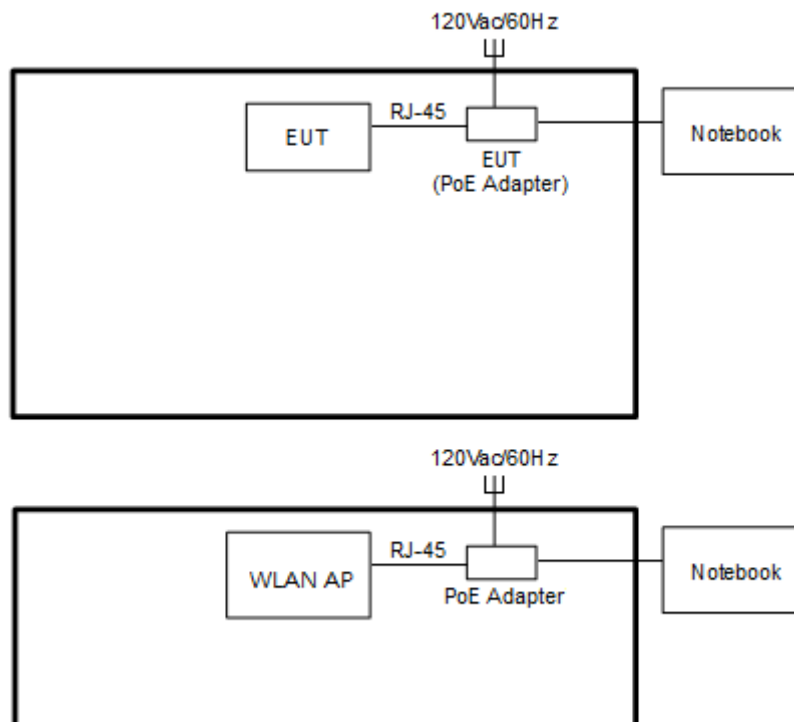
Ch. #		Band III : 5470-5725MHz			
		802.11ac VHT10	802.11ac VHT20	802.11ac VHT30	802.11ac VHT40
L	Low	96	97	98	99
M	Middle	120	120	120	120
H	High	143	142	141	140

2.2 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission>



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Notebook	DELL	P20G	FCC DoC/ Contains FCC ID: QDS-BRCM1051	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
2.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Access Point	Ubiquiti	IS-M5_CE	SWX-ISM5	N/A	Shielded, 1.8m

2.4 EUT Operation Test Setup

The RF test items, programmed RF utility, “Putty” installed in the notebook make the EUT provide functions like channel selection and power level for continuous transmitting and receiving signals.

2.5 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.

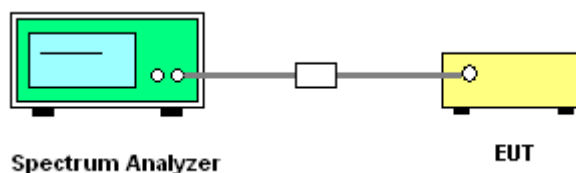
3.1.2 Measuring Instruments

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 v01r03. 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.

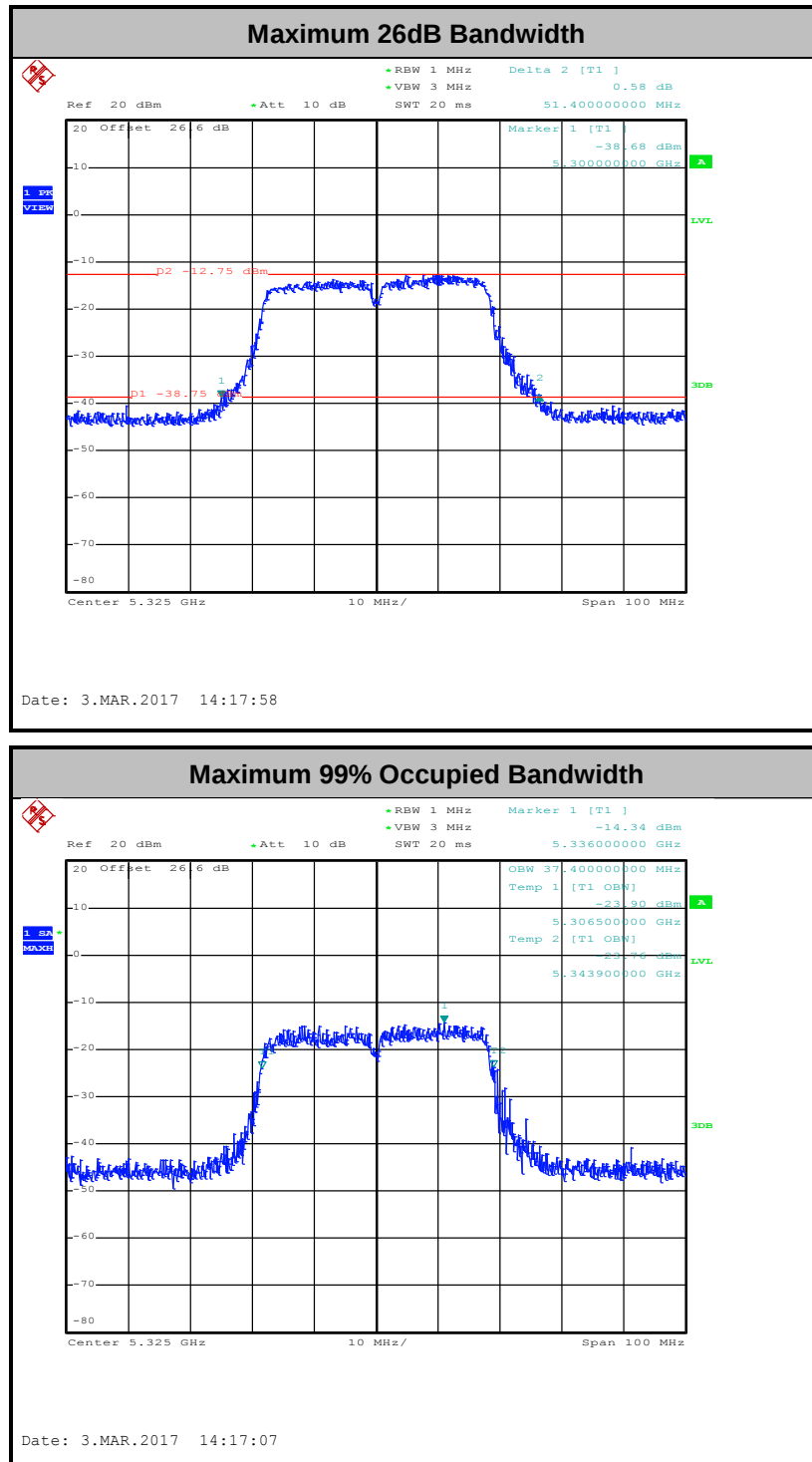
3.1.4 Test Setup





3.1.5 Test Result of 26dB & 99% Occupied Bandwidth

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 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 v01r03.

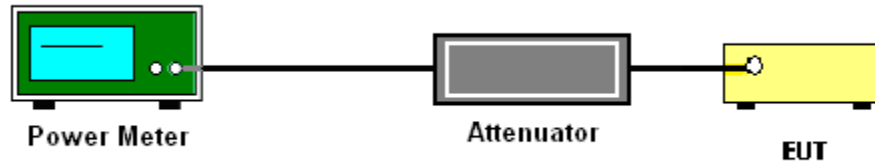
Method PM (Measurement using an RF average power meter):

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 v01r03.

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



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 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 v01r03.
Section F) Maximum power spectral density.

Method SA-2

(trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

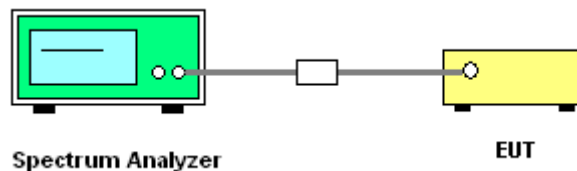
- Measure the duty cycle.
 - Set span to encompass the entire emission bandwidth (EBW) of the signal.
 - Set RBW = 1 MHz.
 - Set VBW $\geq$ 3 MHz.
 - Number of points in sweep $\geq$ 2 Span / RBW.
 - Sweep time = auto.
 - Detector = RMS
 - Trace average at least 100 traces in power averaging mode.
 - 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.
1. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
 2. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

3. For MIMO mode, calculation method follows FCC KDB 662911 D01 Multiple Transmitter Output v02r01.

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

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

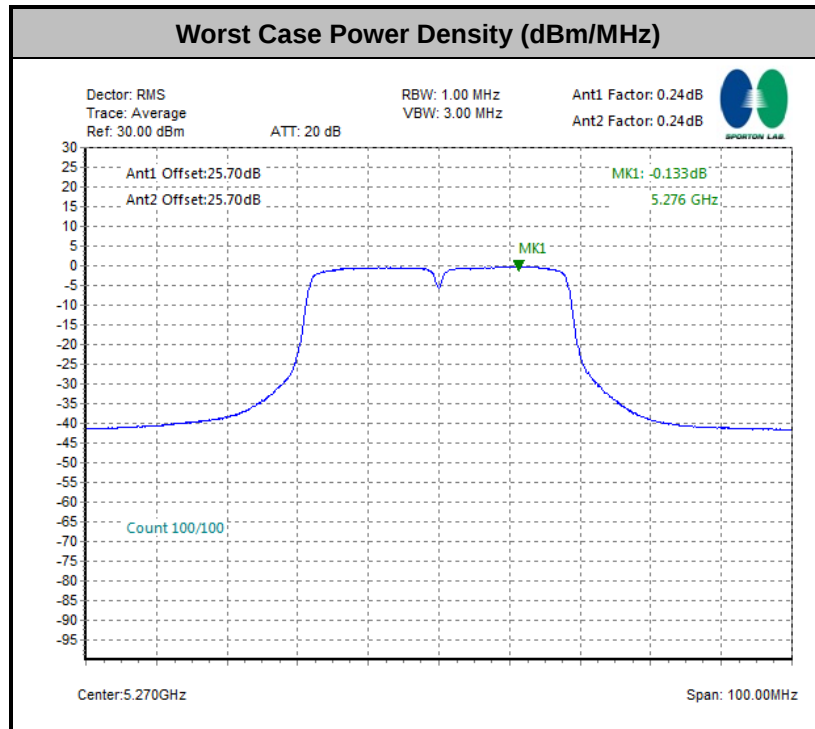
3.3.4 Test Setup





3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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

3.4 Unwanted Emissions Measurement

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

3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5250-5350 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5250-5350 MHz band that generate emissions in the 5150-5250 MHz band must meet all applicable technical requirements for operation in the 5150-5250 MHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5150-5250 MHz band.

For transmitters operating in the 5470-5600 MHz and 5650-5725MHz band: all emissions outside of the 5470-5600 MHz and 5650-5725MHz band shall not exceed an EIRP of -27 dBm/MHz.

- (2) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,

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

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

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

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

- (3) KDB789033 D02 v01r03 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

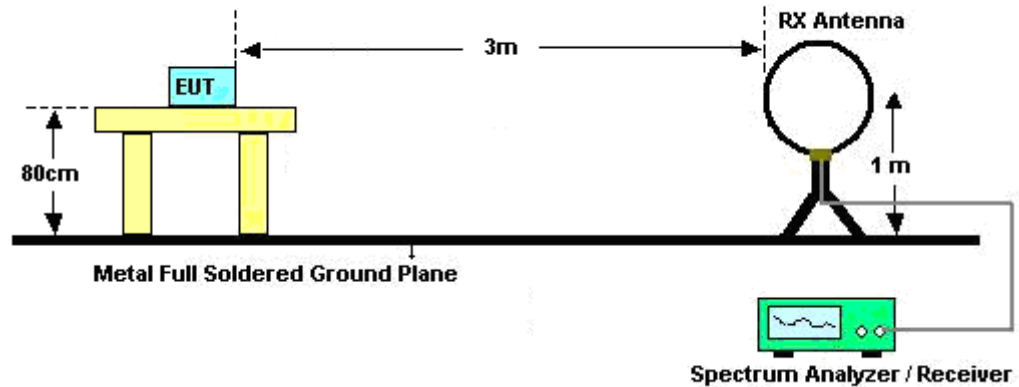
1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03. Section G) Unwanted emissions measurement.
 - (1) Procedure for Unwanted Emissions Measurements Below 1000MHz
 - RBW = 120 kHz
 - VBW = 300 kHz
 - Detector = Peak
 - Trace mode = max hold
 - (2) Procedure for Peak 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.



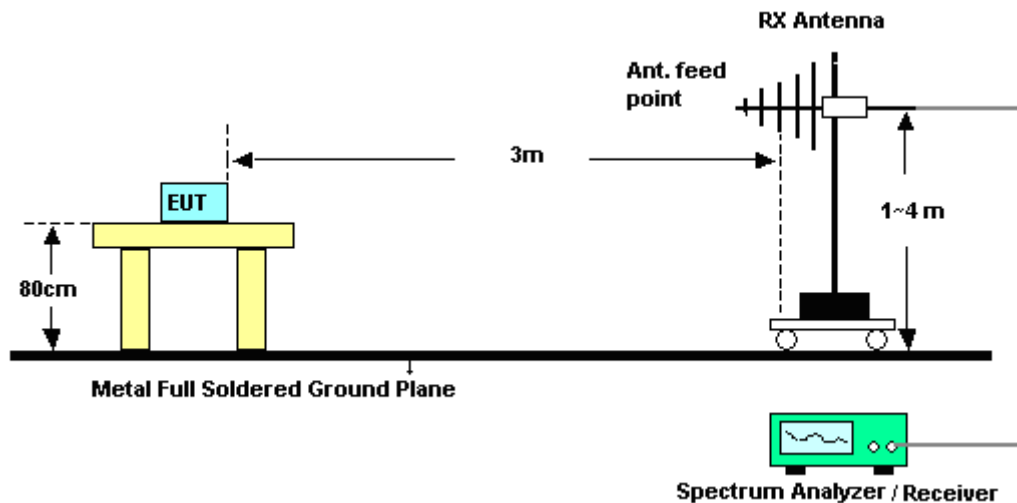
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

3.4.4 Test Setup

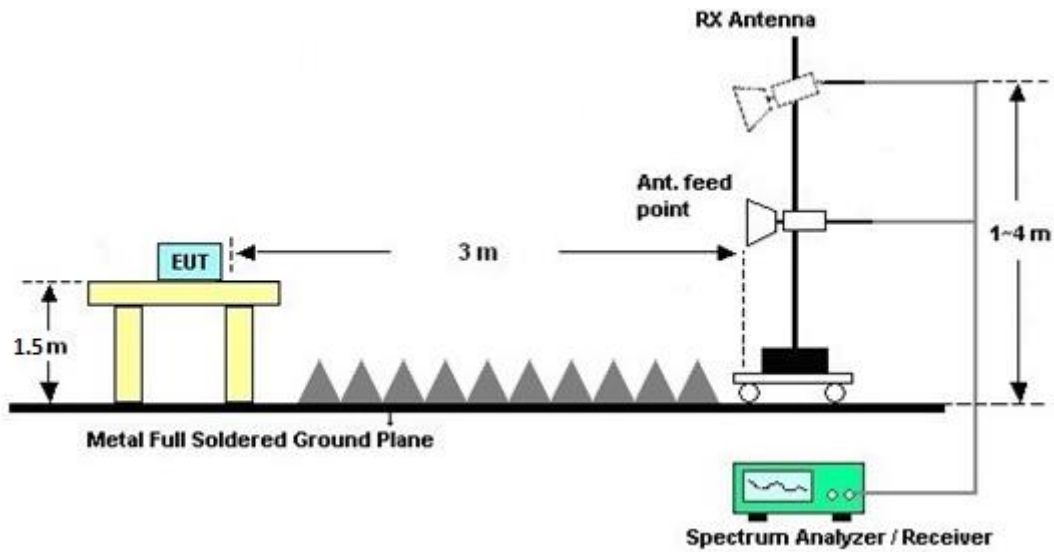
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix C and D.

3.4.7 Duty Cycle

Please refer to Appendix E.

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

Please refer to Appendix C and D.

3.5 AC Conducted Emission Measurement

3.5.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (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.

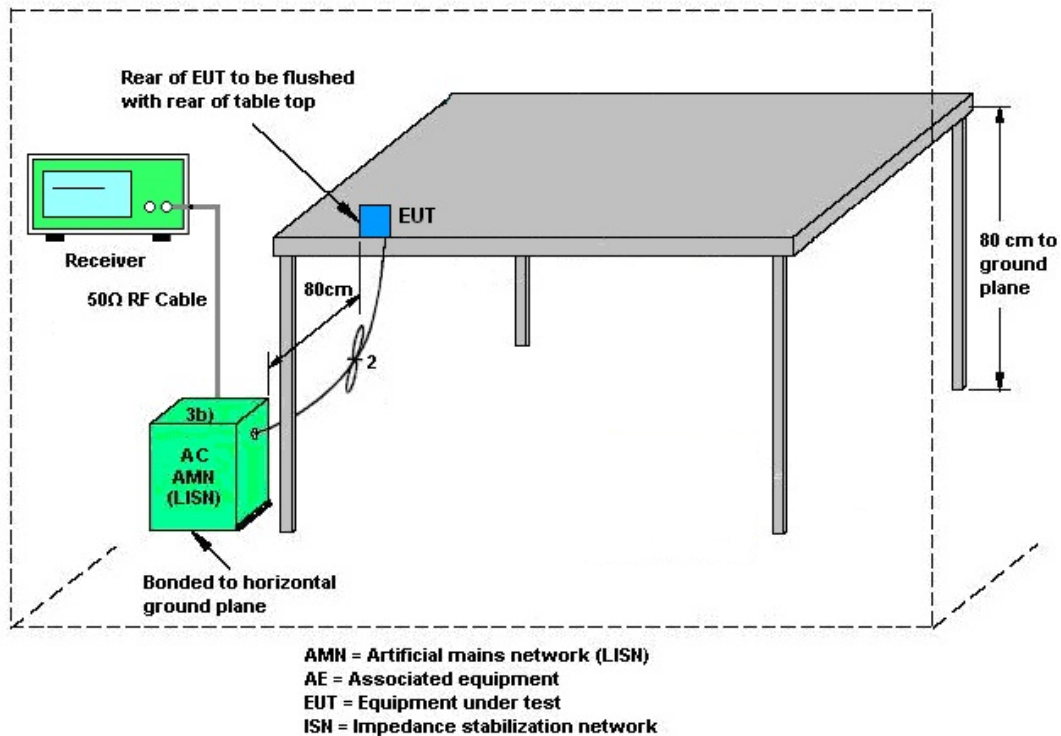
3.5.2 Measuring Instruments

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

Please refer to Appendix B.

3.6 Frequency Stability Measurement

3.6.1 Limit of Frequency Stability

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

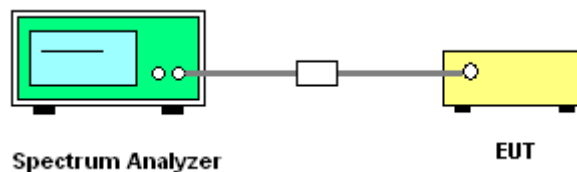
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of Frequency Stability

Please refer to Appendix A.

3.7 Automatically Discontinue Transmission

3.7.1 Limit of Automatically Discontinue Transmission

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

3.7.2 Measuring Instruments

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

3.7.3 Test Result of Automatically Discontinue Transmission

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

3.8 Antenna Requirements

3.8.1 Standard Applicable

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

3.8.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

3.8.3 Antenna Gain

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

For CDD transmissions, directional gain is calculated as

Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

Array Gain = $10 \log(N_{ANT}/N_{SS}=1)$ dB.

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$.

Directional gain may be calculated by using the formulas applicable to equal gain antennas with G_{ANT} set equal to the gain of the antenna having the highest gain;

The EUT supports CDD mode.

For power, the directional gain G_{ANT} is set equal to the antenna having the highest gain, i.e., F)2)f)i).

For PSD, the directional gain calculation is following F)2)f)ii) of KDB 662911 D01 v02r01.

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

The directional gain "DG" is calculated as following table.

			DG for Power (dBi)	DG for PSD (dBi)	Power Limit Reduction (dB)	PSD Limit Reduction (dB)
	Ant 1 (dBi)	Ant 2 (dBi)				
Band II	14.00	14.00	14.00	17.01	8.00	11.01
Band III	14.00	14.00	14.00	17.01	8.00	11.01

Power limit reduction = Composite gain – 6dBi, (min = 0)

PSD limit reduction = Composite gain + PSD Array gain – 6dBi, (min = 0)



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	300MHz~40GHz	Sep. 29, 2016	Mar. 01, 2017 ~ Mar. 08, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Mar. 01, 2017 ~ Mar. 08, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jul. 17, 2016	Mar. 01, 2017 ~ Mar. 08, 2017	Jul. 16, 2017	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Dec. 30, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Dec. 30, 2016	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Dec. 30, 2016	Nov. 28, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 06, 2016	Dec. 30, 2016	Dec. 05, 2017	Conduction (CO05-HY)
LF Cable	HUBER + SUHNER	RG-214/U	LF01	N/A	Jan. 06, 2016	Dec. 30, 2016	Jan. 05, 2017	Conduction (CO05-HY)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100851	N/A	Jan. 08, 2016	Dec. 30, 2016	Jan. 07, 2017	Conduction (CO05-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 10, 2016	Feb. 16, 2017 ~ Feb. 26, 2017	Nov. 09, 2017	Radiation (03CH11-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Feb. 16, 2017 ~ Feb. 26, 2017	Sep. 01, 2017	Radiation (03CH11-HY)
Bilog Antenna	TESEQ	CBL 6111D	35414	30MHz~1GHz	Oct. 15, 2016	Feb. 16, 2017 ~ Feb. 26, 2017	Oct. 14, 2017	Radiation (03CH11-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1522	1GHz ~ 18GHz	Mar. 30, 2016	Feb. 16, 2017 ~ Feb. 26, 2017	Mar. 31, 2017	Radiation (03CH11-HY)
Preamplifier	Keysight	83017A	MY53270080	1GHz~26.5GHz	Nov. 10, 2016	Feb. 16, 2017 ~ Feb. 26, 2017	Nov. 09, 2017	Radiation (03CH11-HY)
Spectrum Analyzer	Keysight	N9010A	MY52350276	10Hz ~ 44GHz	Mar. 21, 2016	Feb. 16, 2017 ~ Feb. 26, 2017	Mar. 20, 2017	Radiation (03CH11-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Feb. 16, 2017 ~ Feb. 26, 2017	N/A	Radiation (03CH11-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Feb. 16, 2017 ~ Feb. 26, 2017	N/A	Radiation (03CH11-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800	2025787	1GHz~18GHz	Feb. 13, 2017	Feb. 16, 2017 ~ Feb. 26, 2017	Feb. 12, 2018	Radiation (03CH11-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA917058 4	18GHz- 40GHz	Nov. 08, 2016	Feb. 16, 2017 ~ Feb. 26, 2017	Nov. 07, 2017	Radiation (03CH11-HY)

5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.7
---	-----

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

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

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

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

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

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



Appendix A. Conducted Test Results

Test Engineer:	Shiming Liu	Temperature:	21~25	°C
Test Date:	2017/3/1~2017/3/8	Relative Humidity:	51~54	%

TEST RESULTS DATA
26dB and 99% OBW

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
VHT10	VT0	2	51	5255	9.70	9.60	12.10	11.73	20.82		26.82		21.69		
VHT10	VT0	2	60	5300	9.70	9.65	12.05	12.00	20.85		26.85		21.79		
VHT10	VT0	2	68	5340	9.68	9.65	11.88	12.08	20.85		26.85		21.75		
VHT20	VT0	2	52	5260	18.65	18.50	26.70	25.75	23.67		29.67		23.98		
VHT20	VT0	2	60	5300	18.70	18.45	26.30	25.30	23.66		29.66		23.98		
VHT20	VT0	2	67	5335	18.65	18.75	26.50	26.30	23.71		29.71		23.98		
VHT30	VT0	2	53	5265	27.68	27.60	38.33	37.95	23.98		30.00		23.98		
VHT30	VT0	2	60	5300	28.88	27.45	38.33	37.50	23.98		30.00		23.98		
VHT30	VT0	2	66	5330	27.90	27.90	37.88	39.53	23.98		30.00		23.98		
VHT40	VT0	2	54	5270	37.00	36.80	49.70	46.80	23.98		30.00		23.98		
VHT40	VT0	2	60	5300	36.90	36.80	50.10	46.80	23.98		30.00		23.98		
VHT40	VT0	2	65	5325	37.40	37.00	51.40	47.40	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)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	VT0	2	51	5255	0.13	0.13	5.51	5.61	8.58	13.69		14.00		30	Pass
VHT10	VT0	2	60	5300	0.13	0.13	4.83	5.33	8.10	13.79		14.00		30	Pass
VHT10	VT0	2	68	5340	0.13	0.13	6.14	5.74	8.96	13.75		14.00		30	Pass
VHT20	VT0	2	52	5260	0.17	0.17	8.63	8.80	11.72	15.98		14.00		30	Pass
VHT20	VT0	2	60	5300	0.17	0.17	8.17	8.68	11.44	15.98		14.00		30	Pass
VHT20	VT0	2	67	5335	0.17	0.17	0.42	0.17	3.30	15.98		14.00		30	Pass
VHT30	VT0	2	53	5265	0.21	0.21	9.64	9.62	12.64	15.98		14.00		30	Pass
VHT30	VT0	2	60	5300	0.21	0.21	9.43	9.71	12.58	15.98		14.00		30	Pass
VHT30	VT0	2	66	5330	0.21	0.21	-2.19	-2.59	0.63	15.98		14.00		30	Pass
VHT40	VT0	2	54	5270	0.24	0.24	11.70	12.08	14.91	15.98		14.00		30	Pass
VHT40	VT0	2	60	5300	0.24	0.24	10.77	10.64	13.72	15.98		14.00		30	Pass
VHT40	VT0	2	65	5325	0.24	0.24	-2.20	-2.29	0.77	15.98		14.00		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band II															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	VT0	2	51	5255	0.13	0.13			-0.53	-0.01	17.01			Pass	
VHT10	VT0	2	60	5300	0.13	0.13			-0.85	-0.01	17.01			Pass	
VHT10	VT0	2	68	5340	0.13	0.13			-0.27	-0.01	17.01			Pass	
VHT20	VT0	2	52	5260	0.17	0.17			-0.49	-0.01	17.01			Pass	
VHT20	VT0	2	60	5300	0.17	0.17			-0.57	-0.01	17.01			Pass	
VHT20	VT0	2	67	5335	0.17	0.17			-8.51	-0.01	17.01			Pass	
VHT30	VT0	2	53	5265	0.21	0.21			-1.11	-0.01	17.01			Pass	
VHT30	VT0	2	60	5300	0.21	0.21			-0.90	-0.01	17.01			Pass	
VHT30	VT0	2	66	5330	0.21	0.21			-13.38	-0.01	17.01			Pass	
VHT40	VT0	2	54	5270	0.24	0.24			-0.13	-0.01	17.01			Pass	
VHT40	VT0	2	60	5300	0.24	0.24			-0.93	-0.01	17.01			Pass	
VHT40	VT0	2	65	5325	0.24	0.24			-14.31	-0.01	17.01			Pass	

TEST RESULTS DATA
26dB and 99% OBW

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)		26 dB Bandwidth (MHz)		IC 99% Bandwidth Power Limit (dBm)		IC 99% Bandwidth EIRP Limit (dBm)		FCC 26dB Bandwidth Power Limit (dBm)		Note
					Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	Ant 1	Ant 2	
VHT10	VT0	2	96	5480	9.70	9.65	11.85	12.13	20.85		26.85		21.74		
VHT10	VT0	2	120	5600	9.70	9.68	12.90	12.20	20.86		26.86		21.86		
VHT10	VT0	2	143	5715	9.68	9.60	12.05	11.73	20.82		26.82		21.69		
VHT20	VT0	2	97	5485	18.45	18.65	26.70	25.40	23.66		29.66		23.98		
VHT20	VT0	2	120	5600	19.00	18.45	25.95	25.95	23.66		29.66		23.98		
VHT20	VT0	2	142	5710	18.90	18.50	26.80	25.45	23.67		29.67		23.98		
VHT30	VT0	2	98	5490	27.38	27.90	38.18	37.55	23.98		30.00		23.98		
VHT30	VT0	2	120	5600	27.53	27.15	38.70	37.20	23.98		30.00		23.98		
VHT30	VT0	2	141	5705	27.68	27.30	39.70	37.05	23.98		30.00		23.98		
VHT40	VT0	2	99	5495	37.30	36.90	50.10	51.40	23.98		30.00		23.98		
VHT40	VT0	2	120	5600	36.80	36.80	50.40	47.40	23.98		30.00		23.98		
VHT40	VT0	2	140	5700	37.10	37.10	51.00	48.80	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)		EIRP Power Limit (dBm)	Pass/Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	VT0	2	96	5480	0.13	0.13	4.48	3.80	7.17	13.74		14.00		30	Pass
VHT10	VT0	2	120	5600	0.13	0.13	4.29	4.56	7.44	13.86		14.00		30	Pass
VHT10	VT0	2	143	5715	0.13	0.13	8.78	6.98	10.99	13.69		14.00		30	Pass
VHT20	VT0	2	97	5485	0.17	0.17	5.77	5.37	8.58	15.98		14.00		30	Pass
VHT20	VT0	2	120	5600	0.17	0.17	6.50	7.73	10.17	15.98		14.00		30	Pass
VHT20	VT0	2	142	5710	0.17	0.17	2.47	0.62	4.65	15.98		14.00		30	Pass
VHT30	VT0	2	98	5490	0.21	0.21	1.46	1.11	4.30	15.98		14.00		30	Pass
VHT30	VT0	2	120	5600	0.21	0.21	8.01	8.51	11.28	15.98		14.00		30	Pass
VHT30	VT0	2	141	5705	0.21	0.21	1.56	0.01	3.87	15.98		14.00		30	Pass
VHT40	VT0	2	99	5495	0.24	0.24	-0.49	-0.80	2.37	15.98		14.00		30	Pass
VHT40	VT0	2	120	5600	0.24	0.24	9.49	10.14	12.84	15.98		14.00		30	Pass
VHT40	VT0	2	140	5700	0.24	0.24	0.52	-1.26	2.73	15.98		14.00		30	Pass

TEST RESULTS DATA
Power Spectral Density

Band III															
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)		Average Power Density (dBm/MHz)			Average PSD Limit (dBm/MHz)		DG (dBi)			Pass /Fail
					Ant 1	Ant 2	Ant 1	Ant 2	SUM	Ant 1	Ant 2	Ant 1	Ant 2		
VHT10	VT0	2	96	5480	0.13	0.13			-0.76	-0.01		17.01		Pass	
VHT10	VT0	2	120	5600	0.13	0.13			-0.23	-0.01		17.01		Pass	
VHT10	VT0	2	143	5715	0.13	0.13			-0.40	-0.01		17.01		Pass	
VHT20	VT0	2	97	5485	0.17	0.17			-2.48	-0.01		17.01		Pass	
VHT20	VT0	2	120	5600	0.17	0.17			-0.23	-0.01		17.01		Pass	
VHT20	VT0	2	142	5710	0.17	0.17			-7.00	-0.01		17.01		Pass	
VHT30	VT0	2	98	5490	0.21	0.21			-8.08	-0.01		17.01		Pass	
VHT30	VT0	2	120	5600	0.21	0.21			-0.69	-0.01		17.01		Pass	
VHT30	VT0	2	141	5705	0.21	0.21			-8.94	-0.01		17.01		Pass	
VHT40	VT0	2	99	5495	0.24	0.24			-11.47	-0.01		17.01		Pass	
VHT40	VT0	2	120	5600	0.24	0.24			-0.24	-0.01		17.01		Pass	
VHT40	VT0	2	140	5700	0.24	0.24			-11.42	-0.01		17.01		Pass	



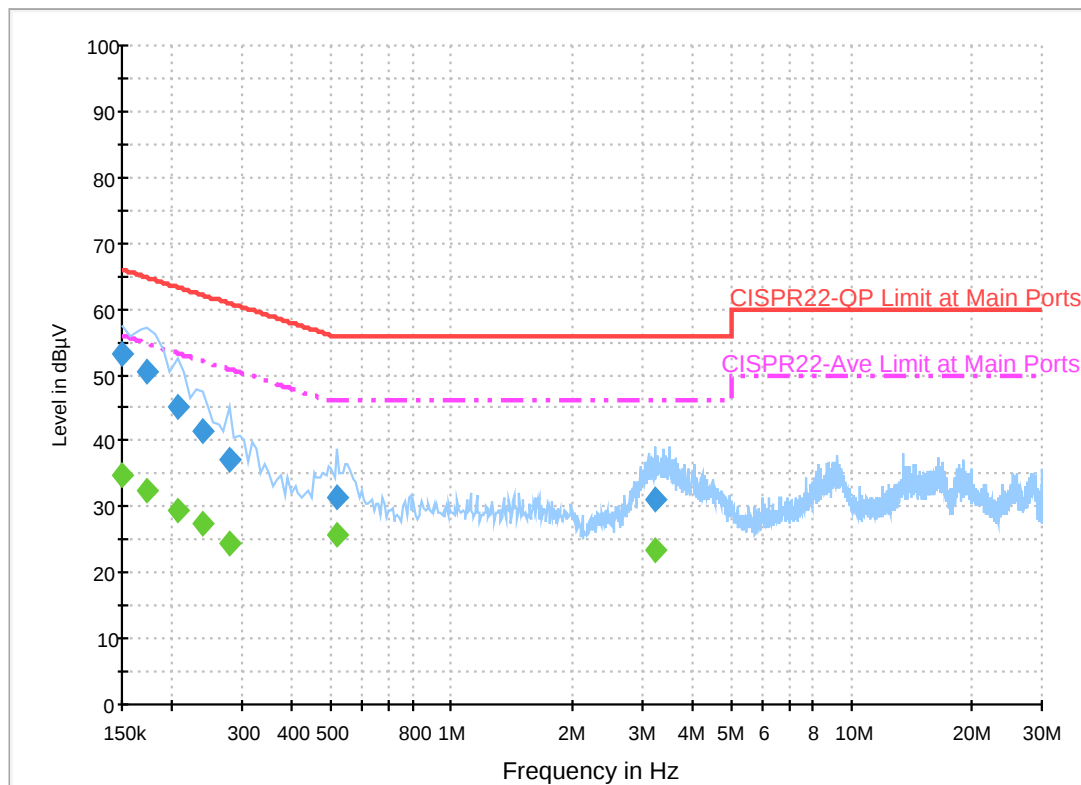
Appendix B. AC Conducted Emission Test Results

Test Engineer :	Arthur Hsieh	Temperature :	21~23℃
		Relative Humidity :	51~53%

EUT Information

Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Line

ENV216 Auto Test FCC Power Bar - L



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	53.0	Off	L1	19.6	13.0	66.0
0.174000	50.6	Off	L1	19.6	14.2	64.8
0.206000	45.1	Off	L1	19.6	18.3	63.4
0.238000	41.6	Off	L1	19.6	20.6	62.2
0.278000	37.0	Off	L1	19.6	23.9	60.9
0.518000	31.5	Off	L1	19.6	24.5	56.0
3.238000	31.0	Off	L1	19.6	25.0	56.0

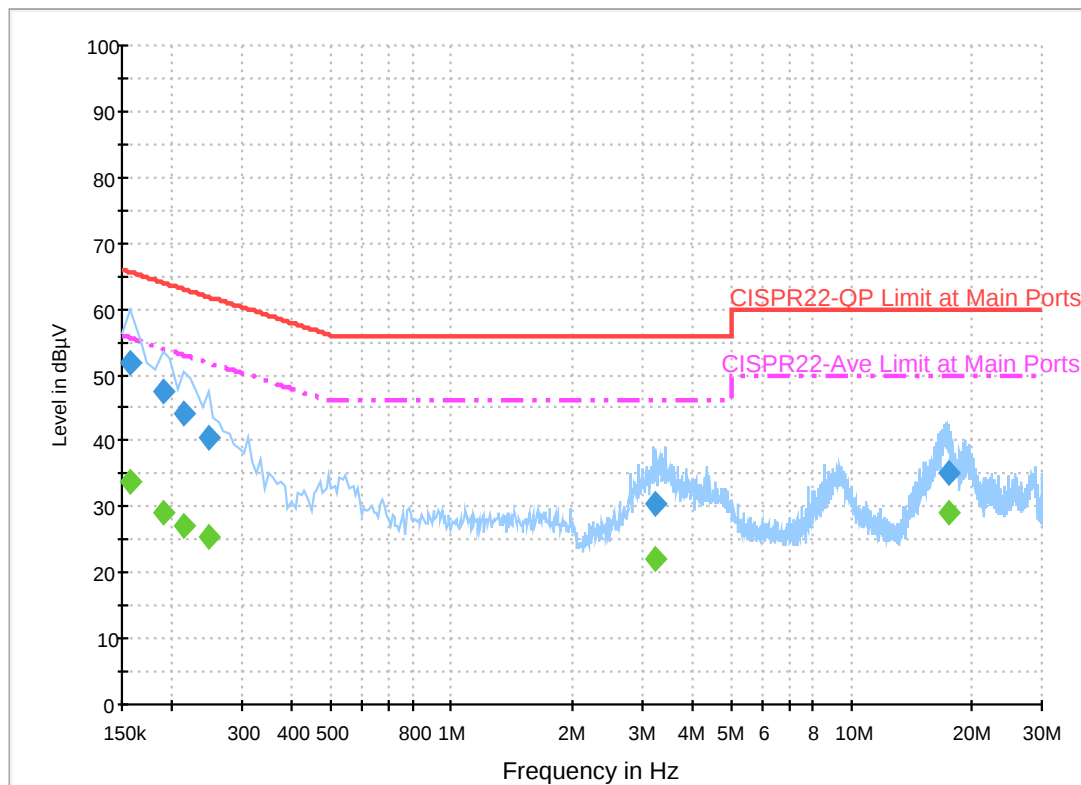
Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	34.8	Off	L1	19.6	21.2	56.0
0.174000	32.5	Off	L1	19.6	22.3	54.8
0.206000	29.3	Off	L1	19.6	24.1	53.4
0.238000	27.4	Off	L1	19.6	24.8	52.2
0.278000	24.4	Off	L1	19.6	26.5	50.9
0.518000	25.6	Off	L1	19.6	20.4	46.0
3.238000	23.4	Off	L1	19.6	22.6	46.0

EUT Information

Test Mode : Mode 1
Test Voltage : 120Vac/60Hz
Phase : Neutral

ENV216 Auto Test FCC Power Bar - N



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.158000	51.9	Off	N	19.6	13.7	65.6
0.190000	47.6	Off	N	19.6	16.4	64.0
0.214000	44.2	Off	N	19.6	18.8	63.0
0.246000	40.4	Off	N	19.6	21.5	61.9
3.254000	30.3	Off	N	19.6	25.7	56.0
17.494000	35.1	Off	N	20.6	24.9	60.0

Final Result 2

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.158000	33.9	Off	N	19.6	21.7	55.6
0.190000	29.2	Off	N	19.6	24.8	54.0
0.214000	27.1	Off	N	19.6	25.9	53.0
0.246000	25.3	Off	N	19.6	26.6	51.9
3.254000	22.2	Off	N	19.6	23.8	46.0
17.494000	29.0	Off	N	20.6	21.0	50.0



Appendix C. Radiated Spurious Emission

Test Engineer :	JC Liang, Jacky Hung, and Ken Wu	Temperature :	20-24°C
		Relative Humidity :	50-54%

Band 2 - 5250~5350MHz

WIFI 802.11n HT10 (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)
802.11n HT10 CH 51 5255MHz		5094.12	55.17	-18.83	74	44.86	32.14	11.21	33.04	230	360	P	H
		5093.6	48.45	-5.55	54	38.14	32.14	11.21	33.04	230	360	A	H
	*	5255	117.54	-	-	107.03	32.35	11.19	33.03	230	360	P	H
	*	5255	108.76	-	-	98.25	32.35	11.19	33.03	230	360	A	H
		5416.08	59.9	-14.1	74	49.03	32.58	11.31	33.02	230	360	P	H
		5415.84	52.89	-1.11	54	42.02	32.58	11.31	33.02	230	360	A	H
		5135.98	55.52	-18.48	74	45.17	32.19	11.19	33.03	232	0	P	V
		5104	50.34	-3.66	54	40.05	32.14	11.19	33.04	232	0	A	V
	*	5255	118.74	-	-	108.23	32.35	11.19	33.03	232	0	P	V
	*	5255	109.02	-	-	98.51	32.35	11.19	33.03	232	0	A	V
		5418	55.16	-18.84	74	44.29	32.58	11.31	33.02	232	0	P	V
		5455.92	49.57	-4.43	54	38.62	32.63	11.34	33.02	232	0	A	V
802.11a HT10 CH 60 5300MHz		5139.1	55.67	-18.33	74	45.32	32.19	11.19	33.03	237	360	P	H
		5140.66	49.65	-4.35	54	39.29	32.21	11.18	33.03	237	360	A	H
	*	5300	118.42	-	-	107.81	32.42	11.22	33.03	237	360	P	H
	*	5300	108.27	-	-	97.66	32.42	11.22	33.03	237	360	A	H
		5455.92	60.36	-13.64	74	49.41	32.63	11.34	33.02	237	360	P	H
		5458.08	52.62	-1.38	54	41.67	32.63	11.34	33.02	237	360	A	H
		5141.7	55.97	-18.03	74	45.61	32.21	11.18	33.03	250	360	P	V
		5103.74	49.82	-4.18	54	39.53	32.14	11.19	33.04	250	360	A	V
	*	5300	119.42	-	-	108.81	32.42	11.22	33.03	250	360	P	V
	*	5300	109.33	-	-	98.72	32.42	11.22	33.03	250	360	A	V
		5391.12	57.56	-16.44	74	46.73	32.54	11.31	33.02	250	360	P	V
		5455.92	51.39	-2.61	54	40.44	32.63	11.34	33.02	250	360	A	V



802.11a HT10 CH 68 5340MHz		5013.26	52.04	-21.96	74	41.82	32.02	11.24	33.04	223	2	P	H
		5103.74	44.66	-9.34	54	34.37	32.14	11.19	33.04	223	2	A	H
	*	5340	113.89	-	-	103.2	32.47	11.25	33.03	223	2	P	H
	*	5340	102.84	-	-	92.15	32.47	11.25	33.03	223	2	A	H
		5350.08	58.88	-15.12	74	48.14	32.49	11.28	33.03	223	2	P	H
		5350.08	51.25	-2.75	54	40.51	32.49	11.28	33.03	223	2	A	H
		5104	54.61	-19.39	74	44.32	32.14	11.19	33.04	221	357	P	V
		5104	48.11	-5.89	54	37.82	32.14	11.19	33.04	221	357	A	V
	*	5340	113.7	-	-	103.01	32.47	11.25	33.03	221	357	P	V
	*	5340	103.74	-	-	93.05	32.47	11.25	33.03	221	357	A	V
		5350.08	57.29	-16.71	74	46.55	32.49	11.28	33.03	221	357	P	V
		5350.08	51.03	-2.97	54	40.29	32.49	11.28	33.03	221	357	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 HT10 (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 HT10 CH 51 5255MHz		10510	49.29	-24.71	74	59.36	40	15.13	65.2	100	0	P	H
		15765	43.14	-30.86	74	51.09	38.26	18.3	64.51	100	0	P	H
													H
													H
		10510	49.58	-24.42	74	59.65	40	15.13	65.2	100	0	P	V
		15765	42.85	-31.15	74	50.8	38.26	18.3	64.51	100	0	P	V
													V
													V
802.11a HT10 CH 60 5300MHz		10600	50.41	-23.59	74	60.48	39.92	15.19	65.18	100	0	P	H
		15900	42.8	-31.2	74	50.92	38.28	18.37	64.77	100	0	P	H
													H
													H
		10600	50.34	-23.66	74	60.41	39.92	15.19	65.18	100	0	P	V
		15900	42.62	-31.38	74	50.74	38.28	18.37	64.77	100	0	P	V
													V
													V
802.11a HT10 CH 68 5340MHz		10680	45.42	-28.58	74	55.48	39.86	15.25	65.17	100	0	P	H
		16020	42.69	-31.31	74	50.9	38.36	18.44	65.01	100	0	P	H
													H
													H
		10680	44.74	-29.26	74	54.8	39.86	15.25	65.17	100	0	P	V
		16020	42.3	-31.7	74	50.51	38.36	18.44	65.01	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 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		5094.9	54.08	-19.92	74	43.77	32.14	11.21	33.04	236	8	P	H
		5104	47.36	-6.64	54	37.07	32.14	11.19	33.04	236	8	A	H
	*	5260	115.71	-	-	105.18	32.37	11.19	33.03	236	8	P	H
	*	5260	107.98	-	-	97.45	32.37	11.19	33.03	236	8	A	H
		5455.68	61.08	-12.92	74	50.13	32.63	11.34	33.02	236	8	P	H
		5455.92	53.25	-0.75	54	42.3	32.63	11.34	33.02	236	8	A	H
		5104	56.12	-17.88	74	45.83	32.14	11.19	33.04	225	360	P	V
		5104	50.92	-3.08	54	40.63	32.14	11.19	33.04	225	360	A	V
	*	5260	115.42	-	-	104.89	32.37	11.19	33.03	225	360	P	V
	*	5260	107.96	-	-	97.43	32.37	11.19	33.03	225	360	A	V
		5426.16	55.61	-18.39	74	44.71	32.58	11.34	33.02	225	360	P	V
		5455.92	49.64	-4.36	54	38.69	32.63	11.34	33.02	225	360	A	V
802.11n HT20 CH 60 5300MHz		5133.38	54.43	-19.57	74	44.08	32.19	11.19	33.03	214	0	P	H
		5133.9	48.02	-5.98	54	37.67	32.19	11.19	33.03	214	0	A	H
	*	5300	113.88	-	-	103.27	32.42	11.22	33.03	214	0	P	H
	*	5300	104.1	-	-	93.49	32.42	11.22	33.03	214	0	A	H
		5381.52	60.51	-13.49	74	49.68	32.54	11.31	33.02	214	0	P	H
		5455.92	53.01	-0.99	54	42.06	32.63	11.34	33.02	214	0	A	H
		5134.68	55.18	-18.82	74	44.83	32.19	11.19	33.03	249	0	P	V
		5104	49.96	-4.04	54	39.67	32.14	11.19	33.04	249	0	A	V
	*	5300	115.89	-	-	105.28	32.42	11.22	33.03	249	0	P	V
	*	5300	105.6	-	-	94.99	32.42	11.22	33.03	249	0	A	V
		5455.92	57.63	-16.37	74	46.68	32.63	11.34	33.02	249	0	P	V
		5455.92	51.13	-2.87	54	40.18	32.63	11.34	33.02	249	0	A	V



802.11n HT20 CH 67 5335MHz		5057.2	52.37	-21.63	74	42.1	32.09	11.22	33.04	245	0	P	H
		5104	43.39	-10.61	54	33.1	32.14	11.19	33.04	245	0	A	H
	*	5335	101.31	-	-	90.62	32.47	11.25	33.03	245	0	P	H
	*	5335	91.72	-	-	81.03	32.47	11.25	33.03	245	0	A	H
		5351.28	63.15	-10.85	74	52.41	32.49	11.28	33.03	245	0	P	H
		5350.08	52.48	-1.52	54	41.74	32.49	11.28	33.03	245	0	A	H
		5100.62	52.51	-21.49	74	42.22	32.14	11.19	33.04	241	0	P	V
		5103.74	45.78	-8.22	54	35.49	32.14	11.19	33.04	241	0	A	V
	*	5335	102.14	-	-	91.45	32.47	11.25	33.03	241	0	P	V
	*	5335	92.39	-	-	81.7	32.47	11.25	33.03	241	0	A	V
		5351.28	60.58	-13.42	74	49.84	32.49	11.28	33.03	241	0	P	V
		5350.08	51.37	-2.63	54	40.63	32.49	11.28	33.03	241	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11n 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	47.45	-26.55	74	57.53	39.99	15.13	65.2	100	0	P	H
		15780	43.54	-30.46	74	51.49	38.26	18.3	64.51	100	0	P	H
													H
													H
		10520	47.31	-26.69	74	57.39	39.99	15.13	65.2	100	0	P	V
		15780	43.46	-30.54	74	51.41	38.26	18.3	64.51	100	0	P	V
													V
													V
802.11n HT20 CH 60 5300MHz		10600	47.73	-26.27	74	57.8	39.92	15.19	65.18	100	0	P	H
		15900	42.38	-31.62	74	50.5	38.28	18.37	64.77	100	0	P	H
													H
													H
		10600	44.59	-29.41	74	54.66	39.92	15.19	65.18	100	0	P	V
		15900	42.54	-31.46	74	50.66	38.28	18.37	64.77	100	0	P	V
													V
													V
802.11n HT20 CH 67 5335MHz		10670	43.46	-30.54	74	53.52	39.86	15.25	65.17	100	0	P	H
		16005	43.84	-30.16	74	52.07	38.33	18.44	65	100	0	P	H
													H
													H
		10670	43.9	-30.1	74	53.96	39.86	15.25	65.17	100	0	P	V
		16005	42.89	-31.11	74	51.12	38.33	18.44	65	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 HT30 (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 HT30 CH 53 5265MHz		5098.8	54.7	-19.3	74	44.39	32.14	11.21	33.04	249	360	P	H
		5015.6	47.11	-6.89	54	36.89	32.02	11.24	33.04	249	360	A	H
	*	5265	113.56	-	-	103	32.37	11.22	33.03	249	360	P	H
	*	5265	107.09	-	-	96.53	32.37	11.22	33.03	249	360	A	H
		5385.84	61.13	-12.87	74	50.3	32.54	11.31	33.02	249	360	P	H
		5433.6	52.71	-1.29	54	41.78	32.61	11.34	33.02	249	360	A	H
		5015.6	55.67	-18.33	74	45.45	32.02	11.24	33.04	222	360	P	V
		5015.86	51.42	-2.58	54	41.2	32.02	11.24	33.04	222	360	A	V
	*	5265	114.21	-	-	103.65	32.37	11.22	33.03	222	360	P	V
	*	5265	107.54	-	-	96.98	32.37	11.22	33.03	222	360	A	V
		5424.72	56.36	-17.64	74	45.46	32.58	11.34	33.02	222	360	P	V
		5400	50.04	-3.96	54	39.19	32.56	11.31	33.02	222	360	A	V
802.11n HT30 CH 60 5300MHz		5130.52	56.14	-17.86	74	45.79	32.19	11.19	33.03	246	0	P	H
		5131.04	48.13	-5.87	54	37.78	32.19	11.19	33.03	246	0	A	H
	*	5300	112.51	-	-	101.9	32.42	11.22	33.03	246	0	P	H
	*	5300	104.12	-	-	93.51	32.42	11.22	33.03	246	0	A	H
		5450.88	59.75	-14.25	74	48.8	32.63	11.34	33.02	246	0	P	H
		5454	52.58	-1.42	54	41.63	32.63	11.34	33.02	246	0	A	H
		5140.66	55.61	-18.39	74	45.25	32.21	11.18	33.03	216	0	P	V
		5015.86	48.91	-5.09	54	38.69	32.02	11.24	33.04	216	0	A	V
	*	5300	113.53	-	-	102.92	32.42	11.22	33.03	216	0	P	V
	*	5300	105.41	-	-	94.8	32.42	11.22	33.03	216	0	A	V
		5383.2	58.41	-15.59	74	47.58	32.54	11.31	33.02	216	0	P	V
		5400	51.5	-2.5	54	40.65	32.56	11.31	33.02	216	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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 HT30 CH 66 5330MHz		5067.86	51.46	-22.54	74	41.2	32.09	11.21	33.04	226	0	P	H
		5015.86	44.49	-9.51	54	34.27	32.02	11.24	33.04	226	0	A	H
	*	5330	96.18	-	-	85.49	32.47	11.25	33.03	226	0	P	H
	*	5330	88.07	-	-	77.38	32.47	11.25	33.03	226	0	A	H
		5351.52	60.73	-13.27	74	49.99	32.49	11.28	33.03	226	0	P	H
		5350.32	53.34	-0.66	54	42.6	32.49	11.28	33.03	226	0	A	H
		5136.76	52.26	-21.74	74	41.91	32.19	11.19	33.03	218	0	P	V
		5125.06	44.8	-9.2	54	34.45	32.19	11.19	33.03	218	0	A	V
	*	5330	97.18	-	-	86.49	32.47	11.25	33.03	218	0	P	V
	*	5330	88.89	-	-	78.2	32.47	11.25	33.03	218	0	A	V
		5350.32	60.18	-13.82	74	49.44	32.49	11.28	33.03	218	0	P	V
		5350.08	53.29	-0.71	54	42.55	32.49	11.28	33.03	218	0	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz
WIFI 802.11n HT30 (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 HT30 CH 53 5265MHz		10530	46.96	-27.04	74	57.05	39.97	15.13	65.19	100	0	P	H
		15795	42.97	-31.03	74	50.92	38.26	18.33	64.54	100	0	P	H
													H
													H
		10530	49.66	-24.34	74	59.75	39.97	15.13	65.19	100	0	P	V
		15795	43.11	-30.89	74	51.06	38.26	18.33	64.54	100	0	P	V
													V
													V
802.11n HT30 CH 60 5300MHz		10600	47.73	-26.27	74	57.8	39.92	15.19	65.18	100	0	P	H
		15900	42.9	-31.1	74	51.02	38.28	18.37	64.77	100	0	P	H
													H
													H
		10600	47.07	-26.93	74	57.14	39.92	15.19	65.18	100	0	P	V
		15900	42.88	-31.12	74	51	38.28	18.37	64.77	100	0	P	V
													V
													V
802.11n HT30 CH 66 5330MHz		10660	43.25	-30.75	74	53.32	39.88	15.22	65.17	100	0	P	H
		15990	44.79	-29.21	74	53.05	38.3	18.44	65	100	0	P	H
													H
													H
		10660	43.61	-30.39	74	53.68	39.88	15.22	65.17	100	0	P	V
		15990	42.86	-31.14	74	51.12	38.3	18.44	65	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		5118.82	53.61	-20.39	74	43.29	32.16	11.19	33.03	233	6	P	H
		5104.26	47.61	-6.39	54	37.32	32.14	11.19	33.04	233	6	A	H
	*	5270	111.68	-	-	101.12	32.37	11.22	33.03	233	6	P	H
	*	5270	104.79	-	-	94.23	32.37	11.22	33.03	233	6	A	H
		5435.76	58.83	-15.17	74	47.9	32.61	11.34	33.02	233	6	P	H
		5440.08	51.91	-2.09	54	40.98	32.61	11.34	33.02	233	6	A	H
		5104	55.43	-18.57	74	45.14	32.14	11.19	33.04	219	360	P	V
		5104	50.94	-3.06	54	40.65	32.14	11.19	33.04	219	360	A	V
	*	5270	111.71	-	-	101.15	32.37	11.22	33.03	219	360	P	V
	*	5270	104.17	-	-	93.61	32.37	11.22	33.03	219	360	A	V
		5450.16	54.93	-19.07	74	43.98	32.63	11.34	33.02	219	360	P	V
		5455.92	50.15	-3.85	54	39.2	32.63	11.34	33.02	219	360	A	V
802.11n HT40 CH 60 5300MHz		5134.68	54.91	-19.09	74	44.56	32.19	11.19	33.03	226	360	P	H
		5130.52	47.9	-6.1	54	37.55	32.19	11.19	33.03	226	360	A	H
	*	5300	112.84	-	-	102.23	32.42	11.22	33.03	226	360	P	H
	*	5300	103.82	-	-	93.21	32.42	11.22	33.03	226	360	A	H
		5391.36	60.66	-13.34	74	49.83	32.54	11.31	33.02	226	360	P	H
		5455.2	52.99	-1.01	54	42.04	32.63	11.34	33.02	226	360	A	H
		5104	55.65	-18.35	74	45.36	32.14	11.19	33.04	215	360	P	V
		5104	51.06	-2.94	54	40.77	32.14	11.19	33.04	215	360	A	V
	*	5300	113.38	-	-	102.77	32.42	11.22	33.03	215	360	P	V
	*	5300	104.42	-	-	93.81	32.42	11.22	33.03	215	360	A	V
		5350.32	64.99	-9.01	74	54.25	32.49	11.28	33.03	215	360	P	V
		5455.92	52.19	-1.81	54	41.24	32.63	11.34	33.02	215	360	A	V



802.11n HT40 CH 65 5325MHz		5082.68	51.46	-22.54	74	41.17	32.12	11.21	33.04	209	360	P	H
		5103.48	43.74	-10.26	54	33.45	32.14	11.19	33.04	209	360	A	H
	*	5325	95.38	-	-	84.72	32.44	11.25	33.03	209	360	P	H
	*	5325	86.06	-	-	75.4	32.44	11.25	33.03	209	360	A	H
		5350.8	63.25	-10.75	74	52.51	32.49	11.28	33.03	209	360	P	H
		5350.32	53.37	-0.63	54	42.63	32.49	11.28	33.03	209	360	A	H
		5104	53.33	-20.67	74	43.04	32.14	11.19	33.04	221	360	P	V
		5103.74	46.31	-7.69	54	36.02	32.14	11.19	33.04	221	360	A	V
	*	5325	96.87	-	-	86.21	32.44	11.25	33.03	221	360	P	V
	*	5325	87.36	-	-	76.7	32.44	11.25	33.03	221	360	A	V
		5350.56	62.3	-11.7	74	51.56	32.49	11.28	33.03	221	360	P	V
		5350.08	53.03	-0.97	54	42.29	32.49	11.28	33.03	221	360	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	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	44.87	-29.13	74	54.96	39.97	15.13	65.19	100	0	P	H
		15810	42.71	-31.29	74	50.7	38.26	18.33	64.58	100	0	P	H
													H
													H
		10540	44.22	-29.78	74	54.31	39.97	15.13	65.19	100	0	P	V
		15810	43.77	-30.23	74	51.76	38.26	18.33	64.58	100	0	P	V
													V
													V
802.11n HT40 CH 60 5300MHz		10600	46.23	-27.77	74	56.3	39.92	15.19	65.18	100	0	P	H
		15900	42.46	-31.54	74	50.58	38.28	18.37	64.77	100	0	P	H
													H
													H
		10600	46.22	-27.78	74	56.29	39.92	15.19	65.18	100	0	P	V
		15900	42.47	-31.53	74	50.59	38.28	18.37	64.77	100	0	P	V
													V
													V
802.11n HT40 CH 65 5325MHz		10650	42.83	-31.17	74	52.9	39.88	15.22	65.17	100	0	P	H
		15975	43.36	-30.64	74	51.6	38.3	18.42	64.96	100	0	P	H
													H
													H
		10650	43.15	-30.85	74	53.22	39.88	15.22	65.17	100	0	P	V
		15975	42.8	-31.2	74	51.04	38.3	18.42	64.96	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 HT10 (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)
802.11n HT10 CH 96 5480MHz		5447.12	60.21	-13.79	74	49.26	32.63	11.34	33.02	225	360	P	H
		5470	67.44	-0.76	68.2	56.43	32.65	11.38	33.02	225	360	P	H
		5456.24	50.17	-3.83	54	39.22	32.63	11.34	33.02	225	360	A	H
	*	5480	118.36	-	-	107.32	32.68	11.38	33.02	225	360	P	H
	*	5480	109.49	-	-	98.45	32.68	11.38	33.02	225	360	A	H
													H
		5455.92	56.74	-17.26	74	45.79	32.63	11.34	33.02	221	360	P	V
		5469.52	60.4	-7.8	68.2	49.39	32.65	11.38	33.02	221	360	P	V
		5455.76	49.71	-4.29	54	38.76	32.63	11.34	33.02	221	360	A	V
	*	5480	117.48	-	-	106.44	32.68	11.38	33.02	221	360	P	V
	*	5480	108.04	-	-	97	32.68	11.38	33.02	221	360	A	V
													V
802.11n HT10 CH 120 5600MHz		5440.96	60.2	-13.8	74	49.27	32.61	11.34	33.02	230	360	P	H
		5469.76	55.07	-13.13	68.2	44.06	32.65	11.38	33.02	230	360	P	H
		5441.92	53.1	-0.9	54	42.17	32.61	11.34	33.02	230	360	A	H
	*	5600	118.76	-	-	107.51	32.84	11.48	33.07	230	360	P	H
	*	5600	109.68	-	-	98.43	32.84	11.48	33.07	230	360	A	H
		5758	56.3	-11.9	68.2	44.94	33.06	11.46	33.16	230	360	P	H
		5456.56	55.49	-18.51	74	44.54	32.63	11.34	33.02	201	360	P	V
		5465.44	54.63	-13.57	68.2	43.62	32.65	11.38	33.02	201	360	P	V
		5456.08	48.61	-5.39	54	37.66	32.63	11.34	33.02	201	360	A	V
	*	5600	119.43	-	-	108.18	32.84	11.48	33.07	201	360	P	V
	*	5600	110.59	-	-	99.34	32.84	11.48	33.07	201	360	A	V
		5731.05	53.93	-14.27	68.2	42.61	33.01	11.46	33.15	201	360	P	V



802.11n HT10 CH 143 5715MHz	*	5715	117.9	-	-	106.58	32.99	11.46	33.13	233	360	P	H
	*	5715	108.44	-	-	97.12	32.99	11.46	33.13	233	360	A	H
		5725.16	65.57	-2.63	68.2	54.23	33.01	11.46	33.13	233	360	P	H
													H
													H
													H
	*	5715	115.26	-	-	103.94	32.99	11.46	33.13	226	360	P	V
	*	5715	106.24	-	-	94.92	32.99	11.46	33.13	226	360	A	V
		5725.24	60.7	-7.5	68.2	49.36	33.01	11.46	33.13	226	360	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT10 (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 HT10 CH 96 5480MHz		10960	43.8	-30.2	74	53.82	39.63	15.46	65.11	100	0	P	H
		16440	45.13	-23.07	68.2	51.94	39.08	19.2	65.09	100	0	P	H
													H
													H
		10960	44.68	-29.32	74	54.7	39.63	15.46	65.11	100	0	P	V
		16440	44.05	-24.15	68.2	50.86	39.08	19.2	65.09	100	0	P	V
													V
													V
802.11n HT10 CH 120 5600MHz		11200	44.88	-29.12	74	55.06	39.4	15.64	65.22	100	0	P	H
		16800	45.79	-22.41	68.2	49.94	40.84	19.82	64.81	100	0	P	H
													H
													H
		11200	45.54	-28.46	74	55.72	39.4	15.64	65.22	100	0	P	V
		16800	46.32	-21.88	68.2	50.47	40.84	19.82	64.81	100	0	P	V
													V
													V
802.11n HT10 CH 143 5715MHz		11430	48.47	-25.53	74	58.84	39.17	15.82	65.36	100	0	P	H
		17145	49.8	-18.4	68.2	51.21	42.54	20.44	64.39	100	0	P	H
													H
													H
		11430	47.92	-26.08	74	58.29	39.17	15.82	65.36	100	0	P	V
		17145	50.13	-18.07	68.2	51.54	42.54	20.44	64.39	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 97 5485MHz		5455.28	54.86	-19.14	74	43.91	32.63	11.34	33.02	223	360	P	H
		5469.68	67.41	-0.79	68.2	56.4	32.65	11.38	33.02	223	360	P	H
		5455.76	46.37	-7.63	54	35.42	32.63	11.34	33.02	223	360	A	H
	*	5485	107.25	-	-	96.21	32.68	11.38	33.02	223	360	P	H
	*	5485	100.19	-	-	89.15	32.68	11.38	33.02	223	360	A	H
													H
		5446.96	53.57	-20.43	74	42.62	32.63	11.34	33.02	216	360	P	V
		5469.84	66.06	-2.14	68.2	55.05	32.65	11.38	33.02	216	360	P	V
		5456.08	46.58	-7.42	54	35.63	32.63	11.34	33.02	216	360	A	V
	*	5485	107.36	-	-	96.32	32.68	11.38	33.02	216	360	P	V
	*	5485	100.17	-	-	89.13	32.68	11.38	33.02	216	360	A	V
													V
802.11n HT20 CH 120 5600MHz		5435.68	60.55	-13.45	74	49.62	32.61	11.34	33.02	225	360	P	H
		5467.12	57.43	-10.77	68.2	46.42	32.65	11.38	33.02	225	360	P	H
		5434.24	53	-1	54	42.07	32.61	11.34	33.02	225	360	A	H
	*	5600	116.96	-	-	105.71	32.84	11.48	33.07	225	360	P	H
	*	5600	109.12	-	-	97.87	32.84	11.48	33.07	225	360	A	H
		5764.125	55.33	-12.87	68.2	43.97	33.06	11.46	33.16	225	360	P	H
		5432.32	55.57	-18.43	74	44.64	32.61	11.34	33.02	213	360	P	V
		5462.56	54.45	-13.75	68.2	43.44	32.65	11.38	33.02	213	360	P	V
		5455.84	49.77	-4.23	54	38.82	32.63	11.34	33.02	213	360	A	V
	*	5600	117.17	-	-	105.92	32.84	11.48	33.07	213	360	P	V
	*	5600	109.89	-	-	98.64	32.84	11.48	33.07	213	360	A	V
		5760.45	55.07	-13.13	68.2	43.71	33.06	11.46	33.16	213	360	P	V



802.11n HT20 CH 142 5710MHz	*	5710	107.34	-	-	96.02	32.99	11.46	33.13	216	360	P	H
	*	5710	99.33	-	-	88.01	32.99	11.46	33.13	216	360	A	H
		5725	65.86	-2.34	68.2	54.52	33.01	11.46	33.13	216	360	P	H
													H
													H
													H
	*	5710	104.57	-	-	93.25	32.99	11.46	33.13	215	360	P	V
	*	5710	96.89	-	-	85.57	32.99	11.46	33.13	215	360	A	V
		5726.12	63.97	-4.23	68.2	52.63	33.01	11.46	33.13	215	360	P	V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	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 97 5485MHz		10970	43.7	-30.3	74	53.72	39.63	15.46	65.11	100	0	P	H
		16455	44.99	-23.21	68.2	51.77	39.11	19.2	65.09	100	0	P	H
													H
													H
		10970	44.91	-29.09	74	54.93	39.63	15.46	65.11	100	0	P	V
		16455	44.46	-23.74	68.2	51.24	39.11	19.2	65.09	100	0	P	V
													V
													V
802.11n HT20 CH 120 5600MHz		11200	44.46	-29.54	74	54.64	39.4	15.64	65.22	100	0	P	H
		16800	45.16	-23.04	68.2	49.31	40.84	19.82	64.81	100	0	P	H
													H
													H
		11200	45.22	-28.78	74	55.4	39.4	15.64	65.22	100	0	P	V
		16800	45.31	-22.89	68.2	49.46	40.84	19.82	64.81	100	0	P	V
													V
													V
802.11n HT20 CH 142 5710MHz		11420	45.86	-28.14	74	56.24	39.18	15.79	65.35	100	0	P	H
		17130	49.2	-19	68.2	50.76	42.48	20.37	64.41	100	0	P	H
													H
													H
		11420	46.22	-27.78	74	56.6	39.18	15.79	65.35	100	0	P	V
		17130	49.64	-18.56	68.2	51.2	42.48	20.37	64.41	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 802.11n HT30 (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 HT30 CH 98 5490MHz		5459.92	53.79	-20.21	74	42.84	32.63	11.34	33.02	230	360	P	H
		5469.28	66.81	-1.39	68.2	55.8	32.65	11.38	33.02	230	360	P	H
		5458.72	45.88	-8.12	54	34.93	32.63	11.34	33.02	230	360	A	H
	*	5490	101.9	-	-	90.86	32.68	11.38	33.02	230	360	P	H
	*	5490	95.37	-	-	84.33	32.68	11.38	33.02	230	360	A	H
		5756.075	53.22	-14.98	68.2	41.86	33.06	11.46	33.16	230	360	P	H
		5458.48	53.06	-20.94	74	42.11	32.63	11.34	33.02	213	360	P	V
		5469.52	63.32	-4.88	68.2	52.31	32.65	11.38	33.02	213	360	P	V
		5399.92	46.46	-7.54	54	35.61	32.56	11.31	33.02	213	360	A	V
	*	5490	102.08	-	-	91.04	32.68	11.38	33.02	213	360	P	V
	*	5490	95.11	-	-	84.07	32.68	11.38	33.02	213	360	A	V
		5728.775	50.75	-17.45	68.2	39.41	33.01	11.46	33.13	213	360	P	V
802.11n HT30 CH 120 5600MHz		5434.24	60.31	-13.69	74	49.38	32.61	11.34	33.02	234	360	P	H
		5460	57.94	-10.26	68.2	46.99	32.63	11.34	33.02	234	360	P	H
		5447.2	52.8	-1.2	54	41.85	32.63	11.34	33.02	234	360	A	H
	*	5600	113.86	-	-	102.61	32.84	11.48	33.07	234	360	P	H
	*	5600	107.95	-	-	96.7	32.84	11.48	33.07	234	360	A	H
		5751.175	55.21	-12.99	68.2	43.86	33.04	11.46	33.15	234	360	P	H
		5427.28	55.98	-18.02	74	45.08	32.58	11.34	33.02	227	360	P	V
		5461.6	54	-14.2	68.2	43.01	32.63	11.38	33.02	227	360	P	V
		5440	49.73	-4.27	54	38.8	32.61	11.34	33.02	227	360	A	V
	*	5600	115.27	-	-	104.02	32.84	11.48	33.07	227	360	P	V
	*	5600	108.98	-	-	97.73	32.84	11.48	33.07	227	360	A	V
		5760.45	54.5	-13.7	68.2	43.14	33.06	11.46	33.16	227	360	P	V



802.11n HT30 CH 141 5705MHz		5431.36	54	-20	74	43.07	32.61	11.34	33.02	220	360	P	H
		5461.6	52.49	-15.71	68.2	41.5	32.63	11.38	33.02	220	360	P	H
		5453.68	45.37	-8.63	54	34.42	32.63	11.34	33.02	220	360	A	H
	*	5705	103.77	-	-	92.45	32.99	11.46	33.13	220	360	P	H
	*	5705	97.04	-	-	85.72	32.99	11.46	33.13	220	360	A	H
		5725.275	67.44	-0.76	68.2	56.1	33.01	11.46	33.13	220	360	P	H
		5456.8	52.44	-21.56	74	41.49	32.63	11.34	33.02	213	360	P	V
		5468.32	52.28	-15.92	68.2	41.27	32.65	11.38	33.02	213	360	P	V
		5359.84	45.65	-8.35	54	34.91	32.49	11.28	33.03	213	360	A	V
	*	5705	101.68	-	-	90.36	32.99	11.46	33.13	213	360	P	V
	*	5705	94.97	-	-	83.65	32.99	11.46	33.13	213	360	A	V
		5725.8	65.48	-2.72	68.2	54.14	33.01	11.46	33.13	213	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz
WIFI 802.11n HT30 (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 HT30 CH 98 5490MHz		10980	44.31	-29.69	74	54.34	39.61	15.46	65.1	100	0	P	H
		16470	44.94	-23.26	68.2	51.62	39.14	19.27	65.09	100	0	P	H
													H
													H
		10980	44.31	-29.69	74	54.34	39.61	15.46	65.1	100	0	P	V
		16470	45.32	-22.88	68.2	52	39.14	19.27	65.09	100	0	P	V
													V
													V
802.11n HT30 CH 120 5600MHz		11200	46.26	-27.74	74	56.44	39.4	15.64	65.22	100	0	P	H
		16800	45.27	-22.93	68.2	49.42	40.84	19.82	64.81	100	0	P	H
													H
													H
		11200	45.39	-28.61	74	55.57	39.4	15.64	65.22	100	0	P	V
		16800	45.02	-23.18	68.2	49.17	40.84	19.82	64.81	100	0	P	V
													V
													V
802.11n HT30 CH 141 5705MHz		11410	47.56	-26.44	74	57.91	39.2	15.79	65.34	100	0	P	H
		17115	48.6	-19.6	68.2	50.25	42.42	20.37	64.44	100	0	P	H
													H
													H
		11410	47.97	-26.03	74	58.32	39.2	15.79	65.34	100	0	P	V
		17115	49.07	-19.13	68.2	50.72	42.42	20.37	64.44	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 99 5495MHz		5445.52	54.77	-19.23	74	43.82	32.63	11.34	33.02	226	0	P	H
		5467.6	66.26	-1.94	68.2	55.25	32.65	11.38	33.02	226	0	P	H
		5455.84	47.48	-6.52	54	36.53	32.63	11.34	33.02	226	0	A	H
	*	5495	99.56	-	-	88.52	32.68	11.38	33.02	226	0	P	H
	*	5495	90.43	-	-	79.39	32.68	11.38	33.02	226	0	A	H
		5725.275	51.82	-16.38	68.2	40.48	33.01	11.46	33.13	226	0	P	H
		5455.6	52.32	-21.68	74	41.37	32.63	11.34	33.02	218	360	P	V
		5469.76	65.79	-2.41	68.2	54.78	32.65	11.38	33.02	218	360	P	V
		5399.92	47.41	-6.59	54	36.56	32.56	11.31	33.02	218	360	A	V
	*	5495	99.21	-	-	88.17	32.68	11.38	33.02	218	360	P	V
	*	5495	89.63	-	-	78.59	32.68	11.38	33.02	218	360	A	V
		5763.775	51.52	-16.68	68.2	40.16	33.06	11.46	33.16	218	360	P	V
802.11n HT40 CH 120 5600MHz		5434.24	60.55	-13.45	74	49.62	32.61	11.34	33.02	227	360	P	H
		5466.88	59	-9.2	68.2	47.99	32.65	11.38	33.02	227	360	P	H
		5455.6	53.51	-0.49	54	42.56	32.63	11.34	33.02	227	360	A	H
	*	5600	113.32	-	-	102.07	32.84	11.48	33.07	227	360	P	H
	*	5600	106.02	-	-	94.77	32.84	11.48	33.07	227	360	A	H
		5750.125	56.04	-12.16	68.2	44.69	33.04	11.46	33.15	227	360	P	H
		5456.8	55.26	-18.74	74	44.31	32.63	11.34	33.02	256	360	P	V
		5467.84	54.63	-13.57	68.2	43.62	32.65	11.38	33.02	256	360	P	V
		5455.84	50.12	-3.88	54	39.17	32.63	11.34	33.02	256	360	A	V
	*	5600	116.47	-	-	105.22	32.84	11.48	33.07	256	360	P	V
	*	5600	107.49	-	-	96.24	32.84	11.48	33.07	256	360	A	V
		5731.75	52.76	-15.44	68.2	41.44	33.01	11.46	33.15	256	360	P	V



802.11n HT40 CH 140 5700MHz		5458.48	53.88	-20.12	74	42.93	32.63	11.34	33.02	224	360	P	H
		5465.68	52.68	-15.52	68.2	41.67	32.65	11.38	33.02	224	360	P	H
		5455.84	46.74	-7.26	54	35.79	32.63	11.34	33.02	224	360	A	H
	*	5700	101.95	-	-	90.63	32.97	11.47	33.12	224	360	P	H
	*	5700	93.11	-	-	81.79	32.97	11.47	33.12	224	360	A	H
		5725.45	67.2	-1	68.2	55.86	33.01	11.46	33.13	224	360	P	H
		5456.32	52.89	-21.11	74	41.94	32.63	11.34	33.02	222	360	P	V
		5467.84	52.38	-15.82	68.2	41.37	32.65	11.38	33.02	222	360	P	V
		5456.08	46.67	-7.33	54	35.72	32.63	11.34	33.02	222	360	A	V
	*	5700	101.61	-	-	90.29	32.97	11.47	33.12	222	360	P	V
	*	5700	91.1	-	-	79.78	32.97	11.47	33.12	222	360	A	V
		5725.975	62.75	-5.45	68.2	51.41	33.01	11.46	33.13	222	360	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	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 99 5495MHz		10990	44.47	-29.53	74	54.48	39.6	15.49	65.1	100	0	P	H
		16485	44.63	-23.57	68.2	51.29	39.17	19.27	65.1	100	0	P	H
													H
													H
		10990	43.72	-30.28	74	53.73	39.6	15.49	65.1	100	0	P	V
		16485	42.12	-26.08	68.2	48.78	39.17	19.27	65.1	100	0	P	V
													V
													V
802.11n HT40 CH 120 5600MHz		11200	44.76	-29.24	74	54.94	39.4	15.64	65.22	100	0	P	H
		16800	45.62	-22.58	68.2	49.77	40.84	19.82	64.81	100	0	P	H
													H
													H
		11200	45.5	-28.5	74	55.68	39.4	15.64	65.22	100	0	P	V
		16800	47.39	-20.81	68.2	51.54	40.84	19.82	64.81	100	0	P	V
													V
													V
802.11n HT40 CH 140 5700MHz		11400	45.37	-28.63	74	55.72	39.2	15.79	65.34	100	0	P	H
		17100	48.85	-19.35	68.2	50.65	42.36	20.3	64.46	100	0	P	H
													H
													H
		11400	44.73	-29.27	74	55.08	39.2	15.79	65.34	100	0	P	V
		17100	43.79	-24.41	68.2	45.59	42.36	20.3	64.46	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 802.11n HT40 (LF @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		(MHz)	(dBμV/m)	(dB)	(dBμV/m)	(dBμV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
802.11n HT40 LF		125.04	27.8	-15.7	43.5	40.75	17.85	1.78	32.58			P	H
		234.93	50.14	4.14	46	63.21	17.3	2.34	32.71	100	98	QP	H
		234.93	52.39	6.39	46	65.46	17.3	2.34	32.71	100	98	P	H
		295.14	36.57	-9.43	46	46.79	19.6	2.58	32.4			P	H
		524.7	37.54	-8.46	46	42.12	24.44	3.38	32.4			P	H
		764.8	39.05	-6.95	46	39.36	27.88	4.09	32.28			P	H
		825	38.28	-7.72	46	37.33	28.61	4.39	32.05			P	H
													H
													H
													H
													H
													H
		50.52	28.52	-11.48	40	44.82	14.9	1.29	32.49	100	146	QP	V
		50.52	40.33	0.33	40	56.63	14.9	1.29	32.49	100	146	P	V
		79.95	26.04	-13.96	40	43.43	13.58	1.51	32.48			P	V
		230.07	40.15	-5.85	46	53.64	16.9	2.34	32.73	100	178	QP	V
		230.07	50.52	4.52	46	64.01	16.9	2.34	32.73	100	178	P	V
		524.7	35.2	-10.8	46	39.78	24.44	3.38	32.4			P	V
		600.3	36.95	-9.05	46	40.04	25.7	3.67	32.46			P	V
		825	34.47	-11.53	46	33.52	28.61	4.39	32.05			P	V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												



Note symbol

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



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

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

1. Level(dBμV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 55.45 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 55.45(dBμV/m) – 74(dBμV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBμV/m)

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

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

= 43.54 (dBμV/m)

2. Over Limit(dB)

= Level(dBμV/m) – Limit Line(dBμV/m)

= 43.54(dBμV/m) – 54(dBμV/m)

= -10.46(dB)

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



Appendix D. Radiated Spurious Emission Plots

Test Engineer :	JC Liang, Jacky Hung, and Ken Wu	Temperature :	20-24°C
		Relative Humidity :	50-54%

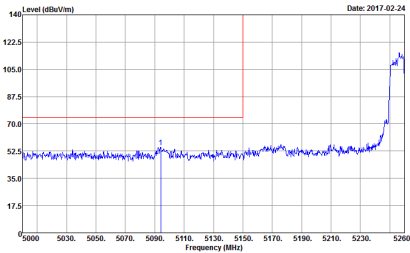
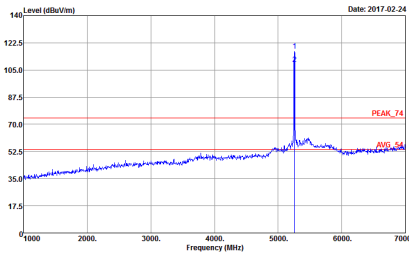
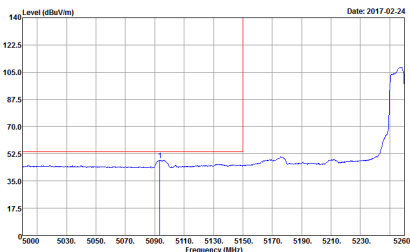
Note symbol

-L	Low channel location
-R	High channel location

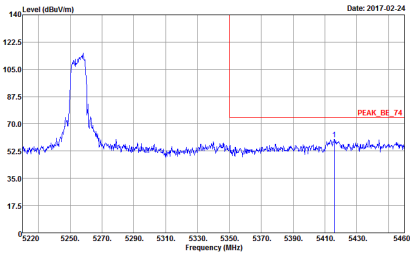
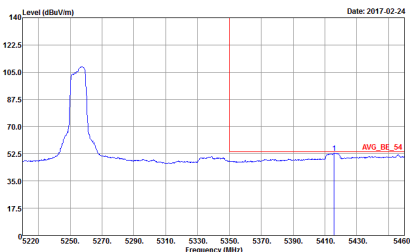


Band 2 - 5250~5350MHz

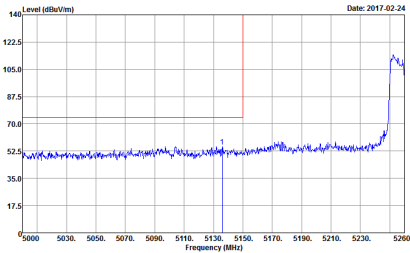
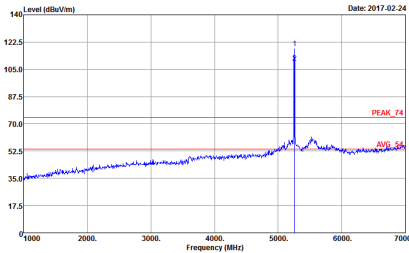
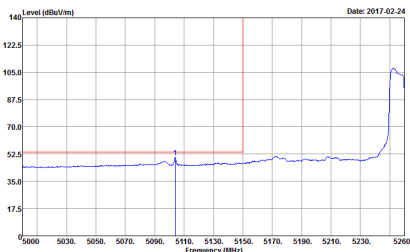
WIFI 802.11n HT10 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH51 5255MHz - L	
1	Horizontal	Fundamental
Peak	 Level (dBuV/m) vs Frequency (MHz) plot for Peak Horizontal. The plot shows a blue line representing the spectrum with a red horizontal line at 74 dBuV/m. A peak is visible at approximately 5255 MHz. The x-axis ranges from 5000 to 5260 MHz, and the y-axis ranges from 0 to 140 dBuV/m. Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5	 Level (dBuV/m) vs Frequency (MHz) plot for Peak Fundamental. The plot shows a blue line representing the spectrum with a red horizontal line at 74 dBuV/m. A peak is visible at approximately 5255 MHz. The x-axis ranges from 1000 to 7000 MHz, and the y-axis ranges from 0 to 140 dBuV/m. Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5
Avg.	 Level (dBuV/m) vs Frequency (MHz) plot for Avg Horizontal. The plot shows a blue line representing the spectrum with a red horizontal line at 74 dBuV/m. A peak is visible at approximately 5255 MHz. The x-axis ranges from 5000 to 5260 MHz, and the y-axis ranges from 0 to 140 dBuV/m. Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank

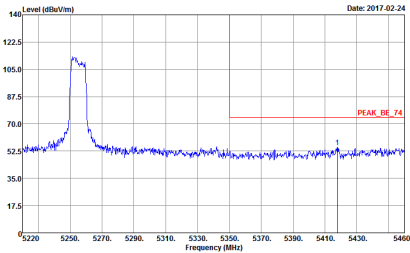
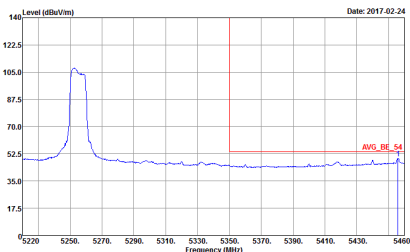


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH51 5255MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank

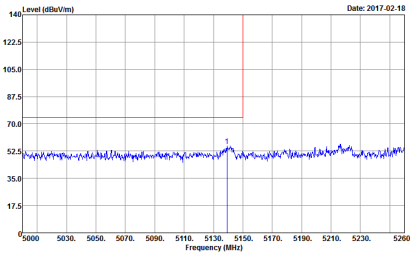
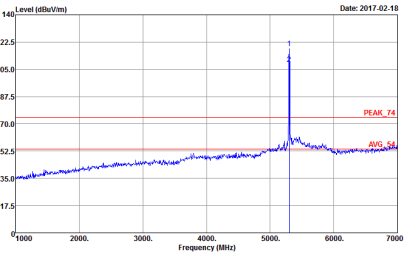
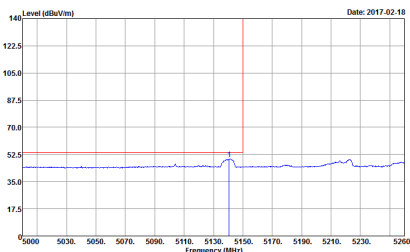


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH51 5255MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank

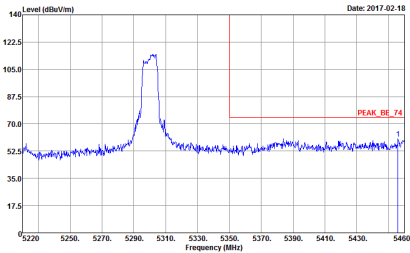
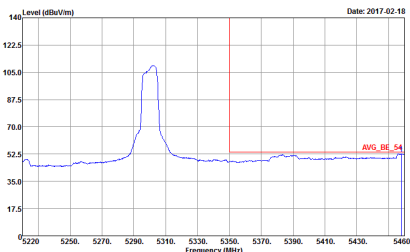


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH51 5255MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank

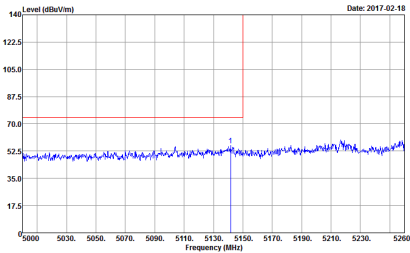
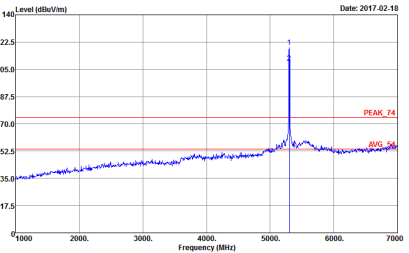
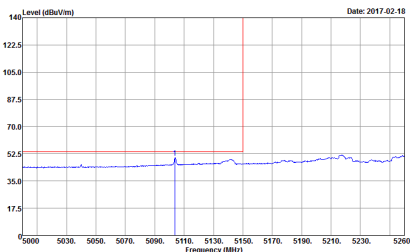


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2017-02-18 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	 Level (dBuV/m) Frequency (MHz) Date: 2017-02-18 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2017-02-18 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank

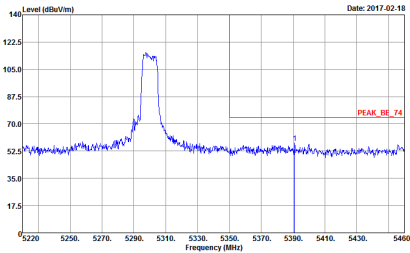
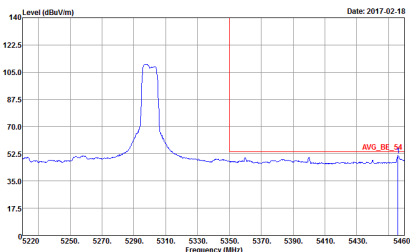


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank

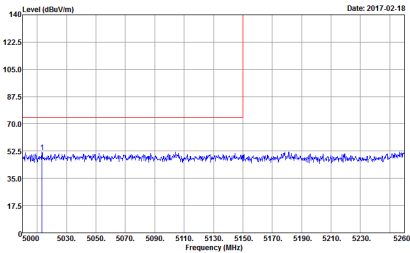
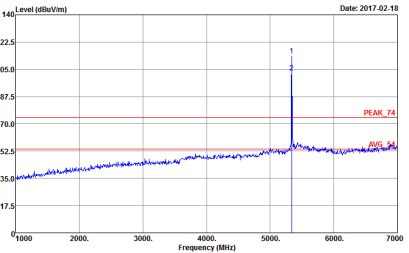
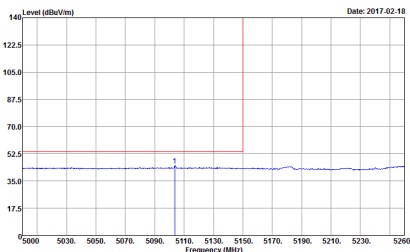


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank

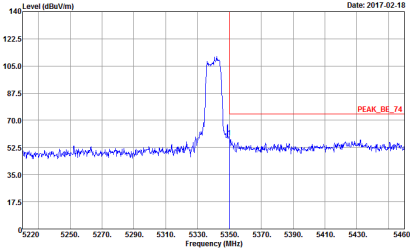
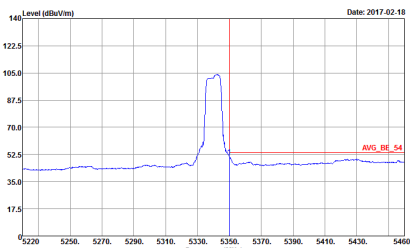


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank

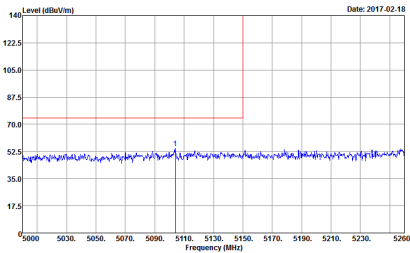
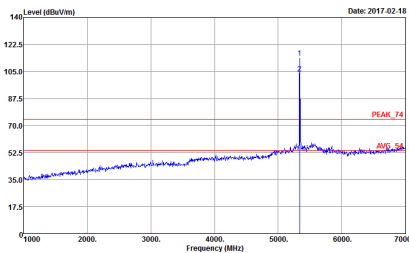
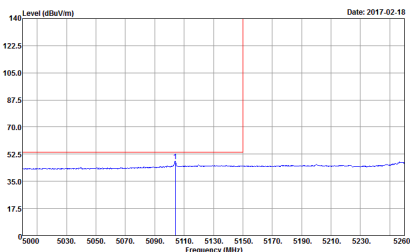


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH68 5340MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 15	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 15
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 15	Left blank

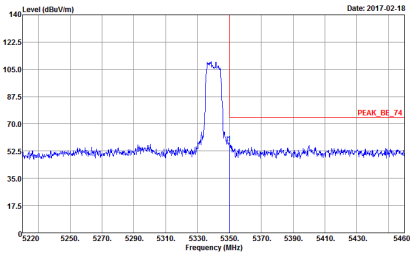
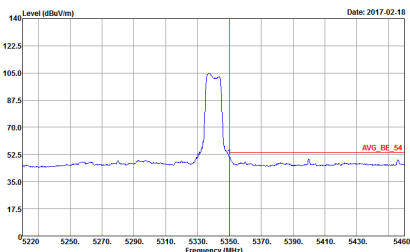


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH68 5340MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 15	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 15	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH68 5340MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 15	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 15
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 15	Left blank

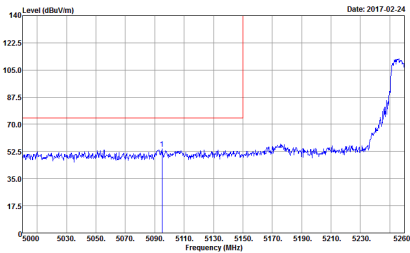
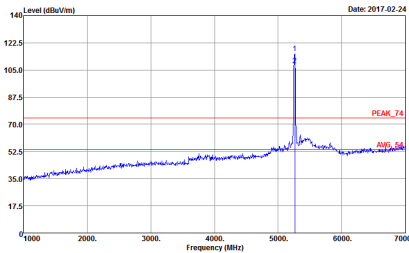
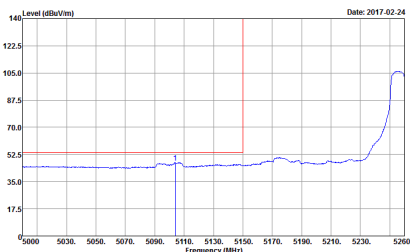


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT10 CH68 5340MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 15	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 15	Left blank

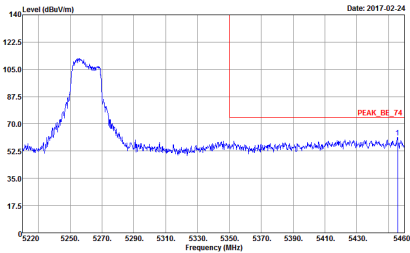
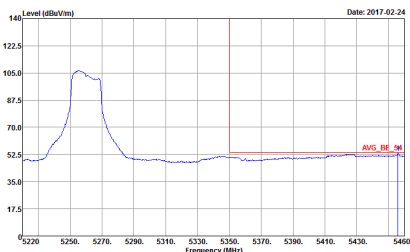


Band 2 5250~5350MHz

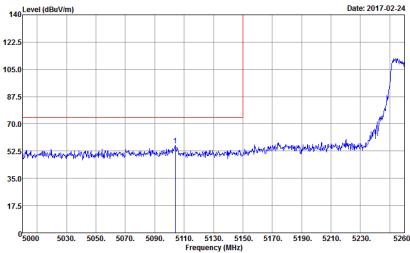
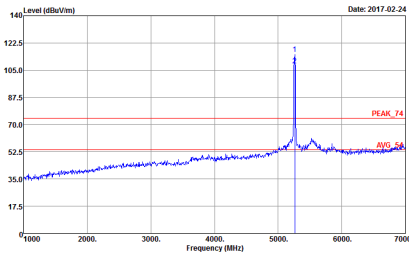
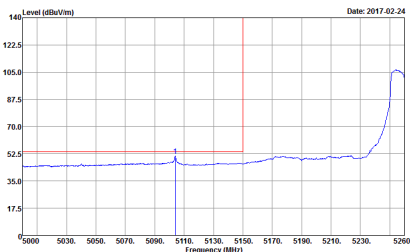
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 20	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 20
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 20	Left blank

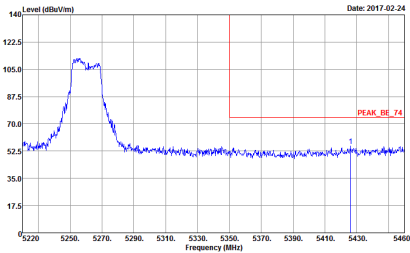
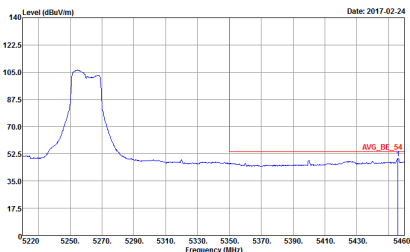


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank

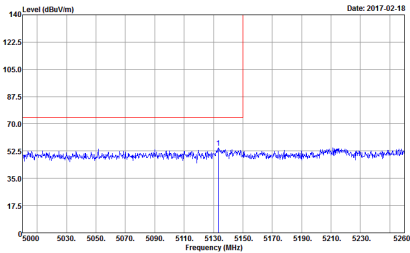
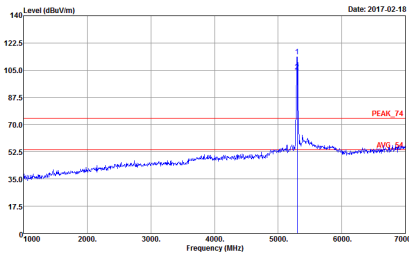
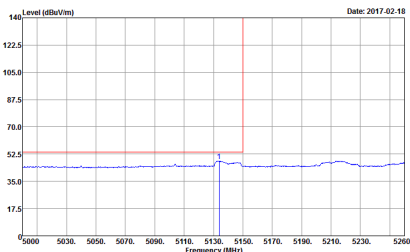


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank

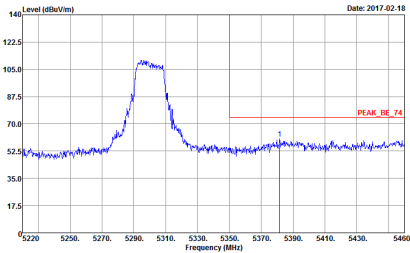
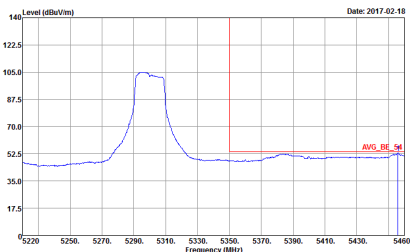


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 Level (dBuV/m) Date: 2017-02-18 Frequency (MHz) Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	 Level (dBuV/m) Date: 2017-02-18 Frequency (MHz) Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5
Avg.	 Level (dBuV/m) Date: 2017-02-18 Frequency (MHz) Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank

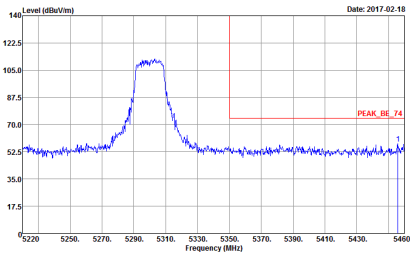
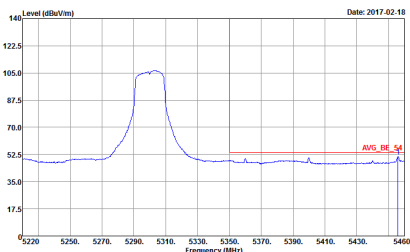


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Vertical	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 19.5	Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 19.5
Avg.	Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank

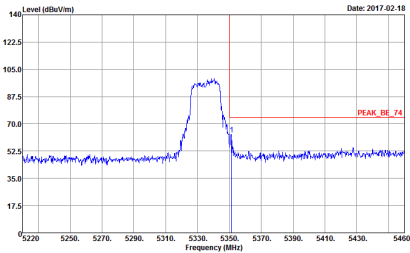
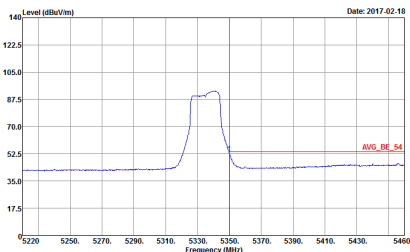


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank

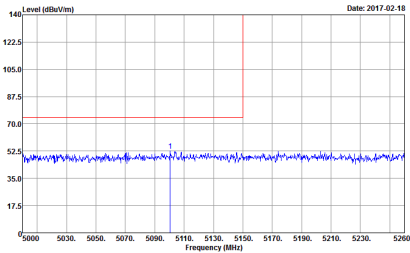
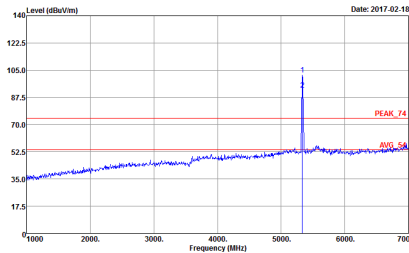
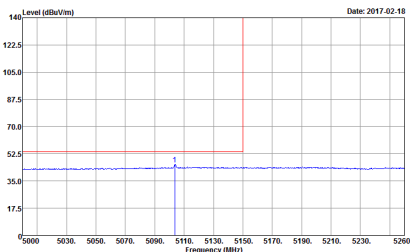


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH67 5335MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 6.5	Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 6.5
Avg.	Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 6.5	Left blank

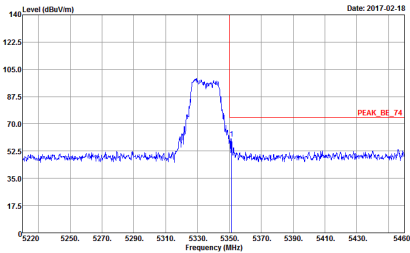
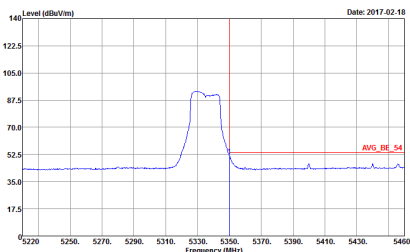


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH67 5335MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH67 5335MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 6.5	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 6.5
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 6.5	Left blank

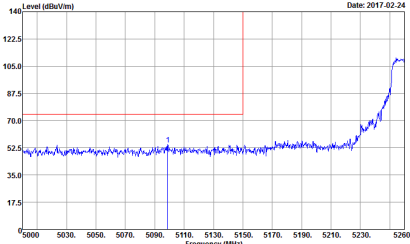
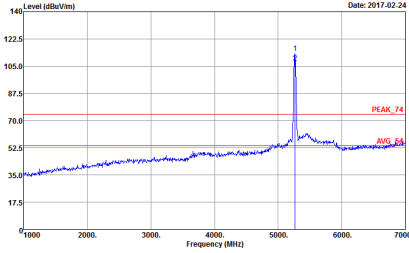
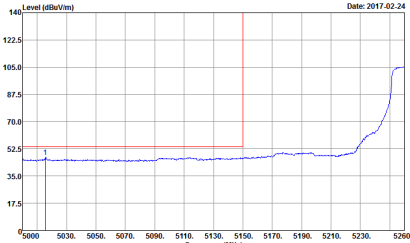


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH67 5335MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5	Left blank

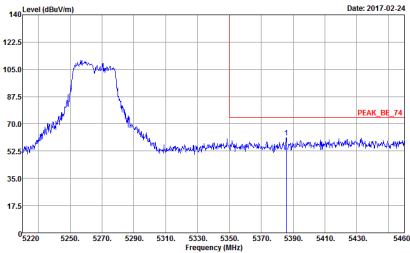
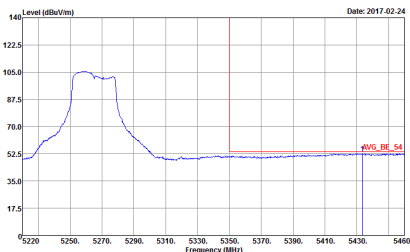


Band 2 5250~5350MHz

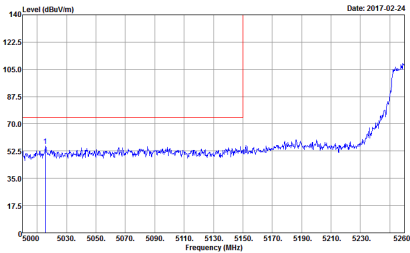
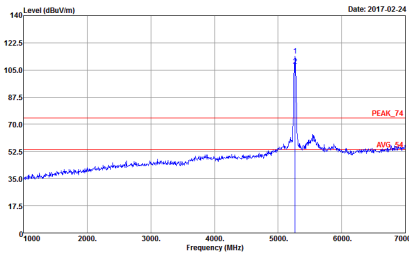
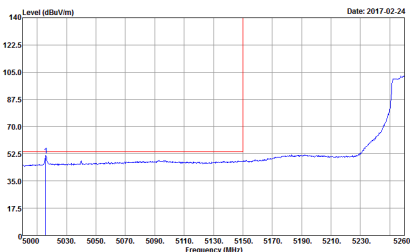
WIFI 802.11n HT30 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH53 5265 MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 21.5	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 21.5
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 21.5	Left blank

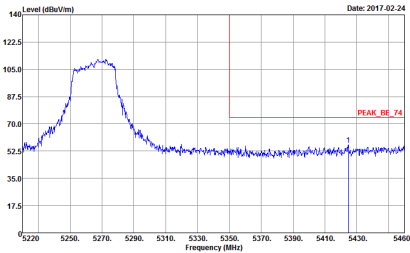
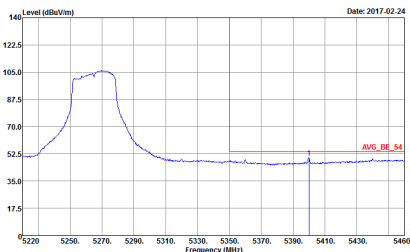


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH53 5265 MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 21.5	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 21.5	Left blank

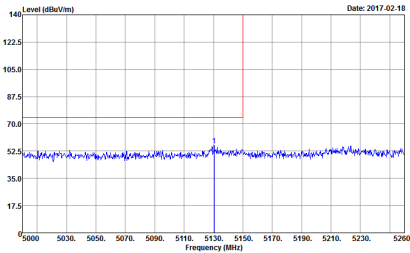
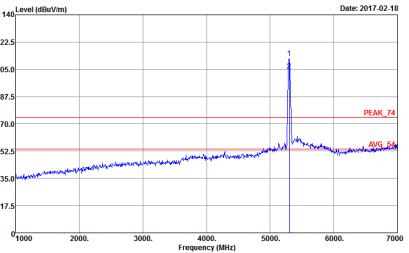
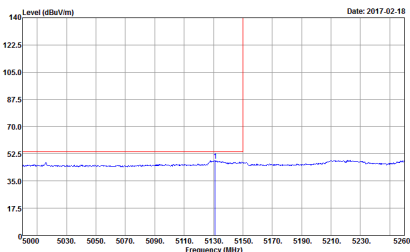


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH53 5265 MHz 0 - L	
1	Vertical	Vertical
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 21.5	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 21.5
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 21.5	Left blank

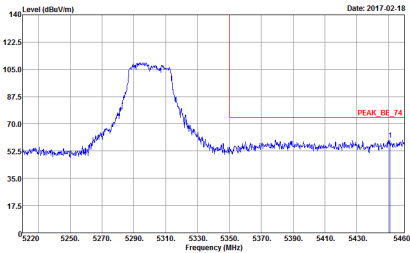
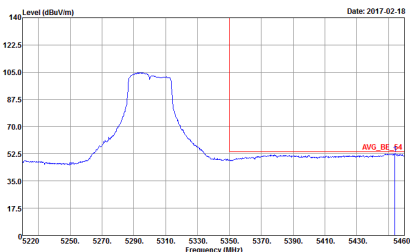


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH53 5265 MHz - R	
1	Vertical	Vertical
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 21.5	Left blank
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 21.5	Left blank

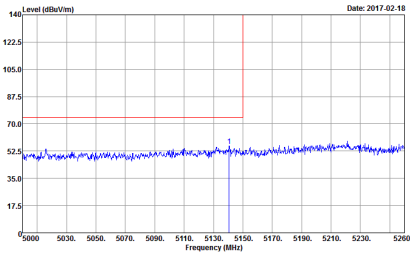
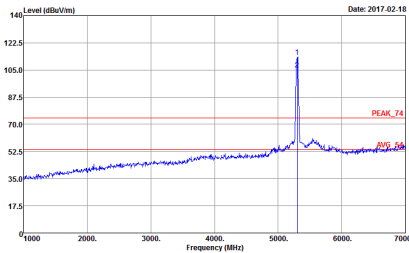
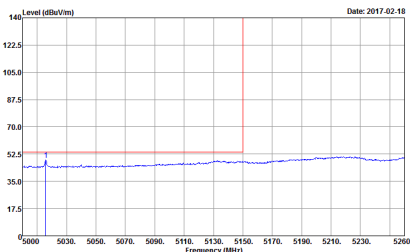


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH60 5300 MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5	Left blank

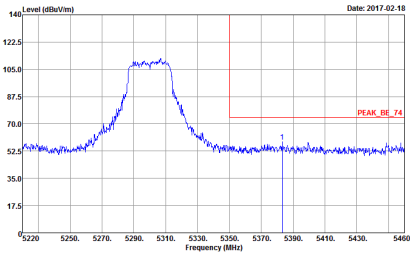
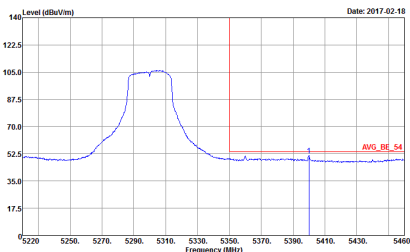


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH60 5300 MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5	Left blank
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5	Left blank

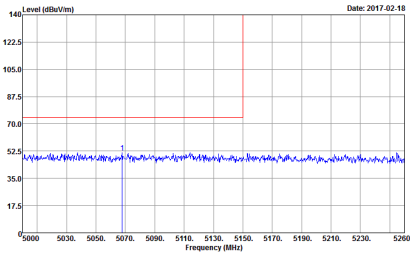
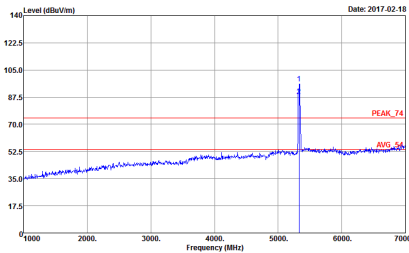
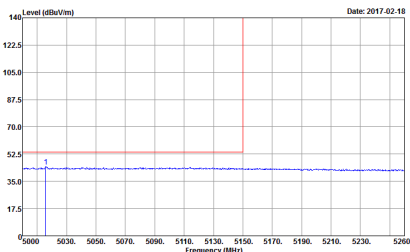


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH60 5300 MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5	Left blank

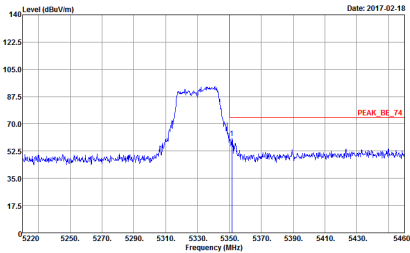
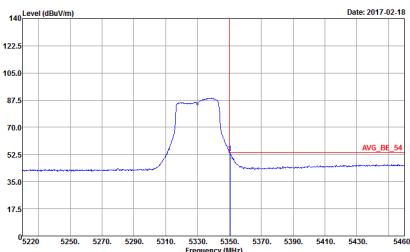


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH60 5300 MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 20.5	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 20.5	Left blank

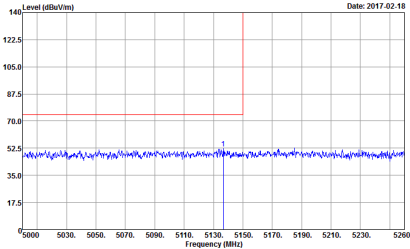
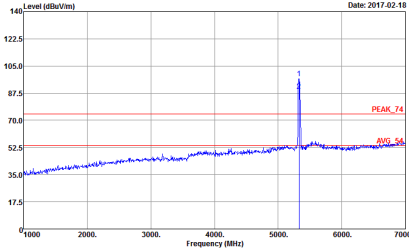
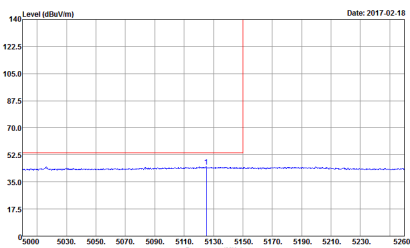


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH66 5330 MHz	
1	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2017-02-18 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	 Level (dBuV/m) Frequency (MHz) Date: 2017-02-18 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2017-02-18 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	Left blank

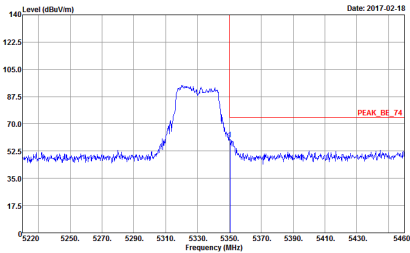
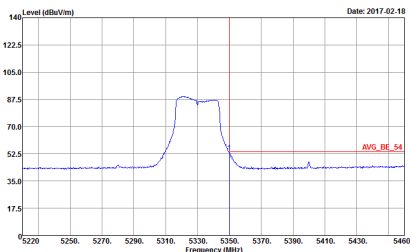


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH66 5330 MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH66 5330 MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	Left blank

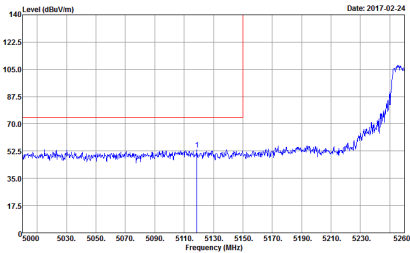
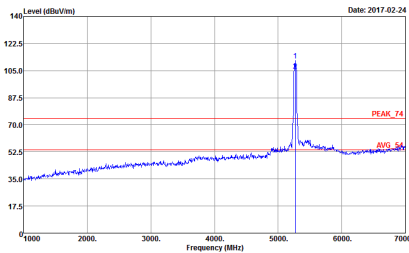
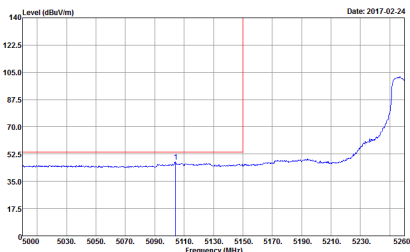


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT30 CH66 5330 MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	Left blank

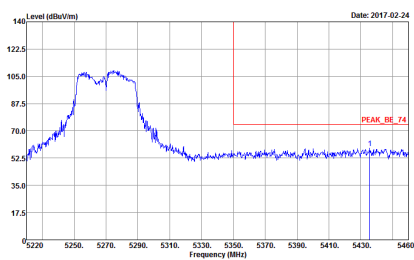
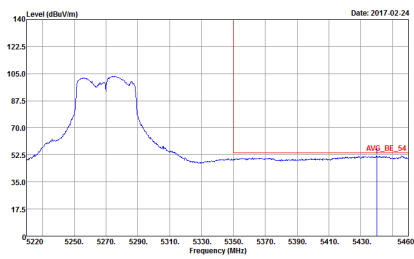


Band 2 5250~5350MHz

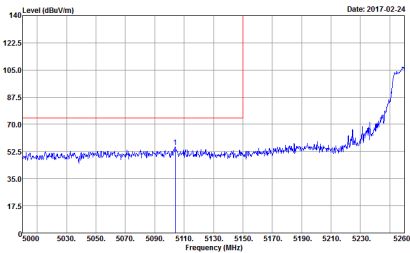
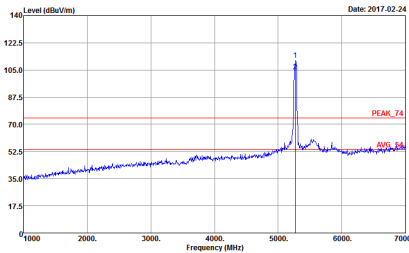
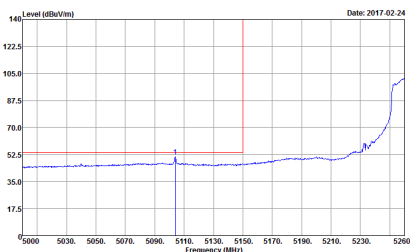
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank

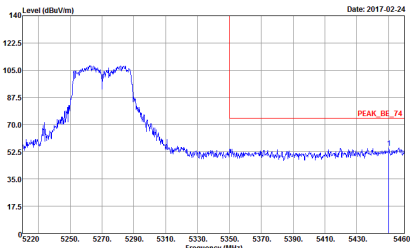
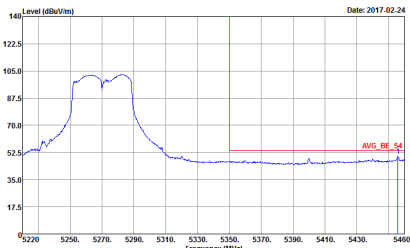


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank

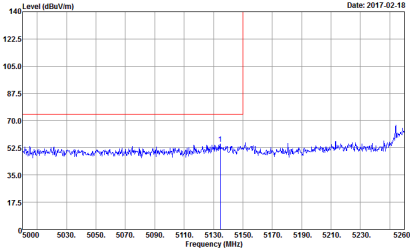
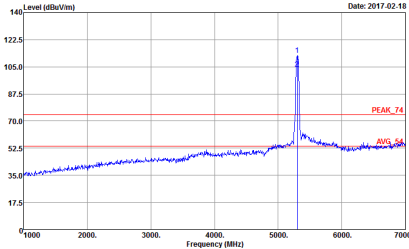
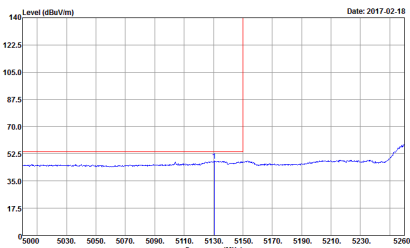


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank

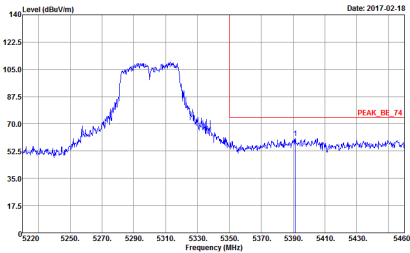
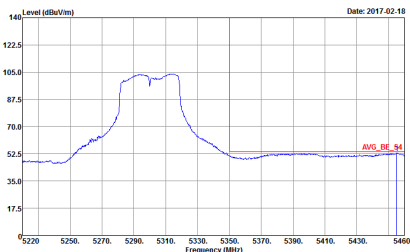


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5	Left blank

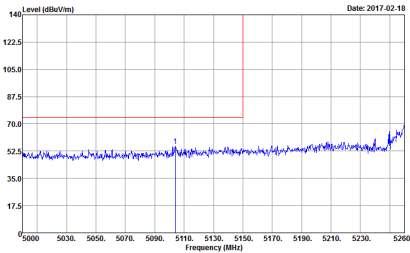
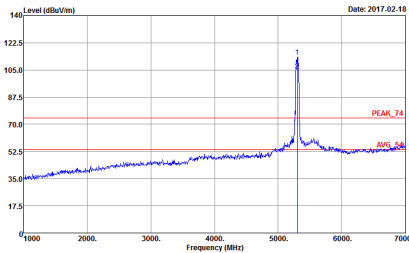
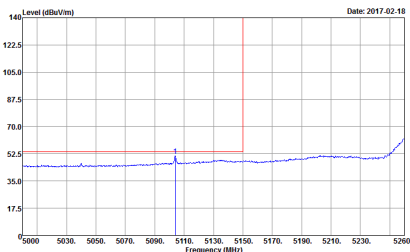


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH60 5300 MHz - L	
1	Horizontal	Fundamental
Peak	 Level (dBuV/m) Frequency (MHz) Date: 2017-02-18 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	 Level (dBuV/m) Frequency (MHz) Date: 2017-02-18 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20
Avg.	 Level (dBuV/m) Frequency (MHz) Date: 2017-02-18 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank

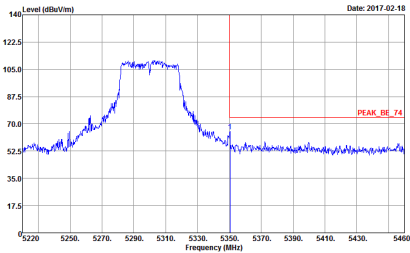
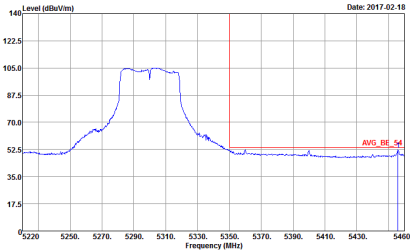


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH60 5300 MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank
Avg.	 Site : 03CH11-HV Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank

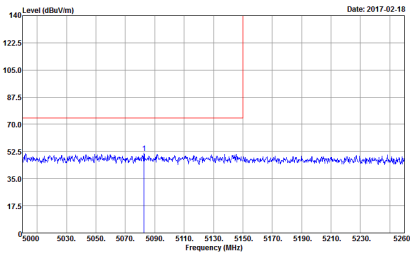
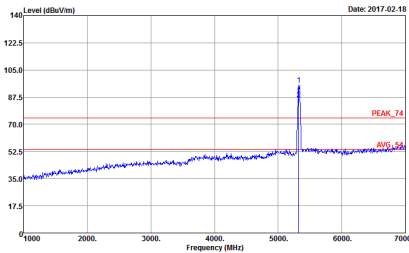
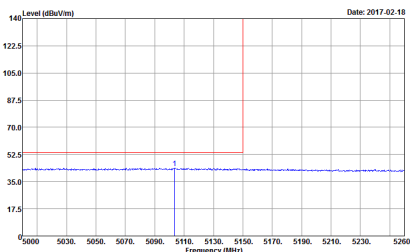


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH60 5300 MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank

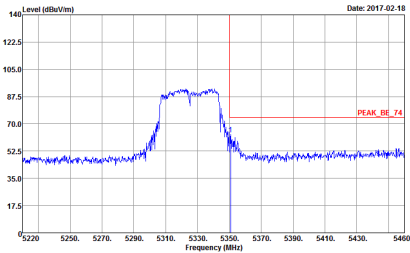
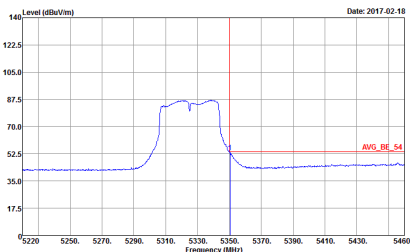


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH60 5300 MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20	Left blank

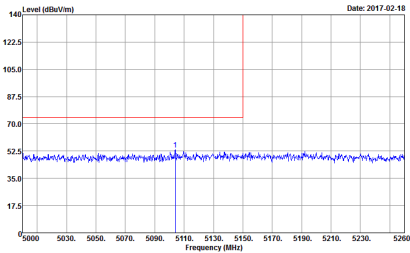
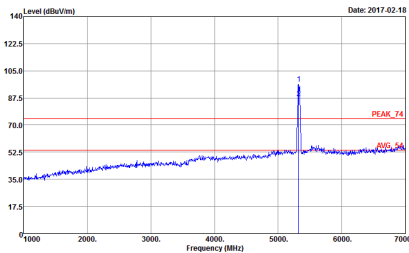
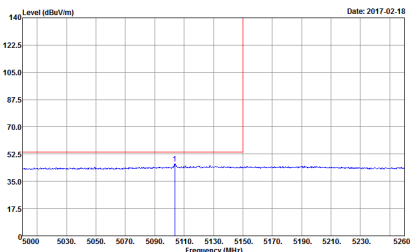


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH65 5325 MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 3	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 3
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 3	Left blank

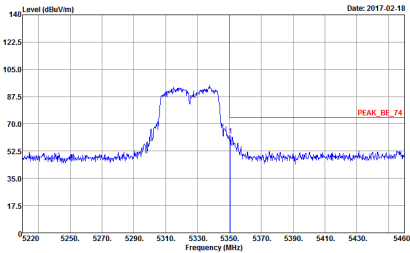
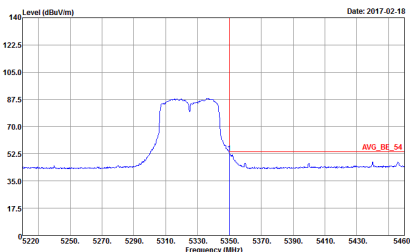


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH65 5325 MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH65 5325 MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 3	 Site : 03CH11-HY Condition : PEAK_74 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 3
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 3	Left blank

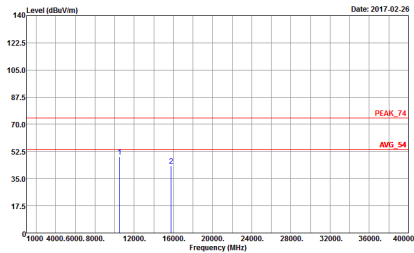
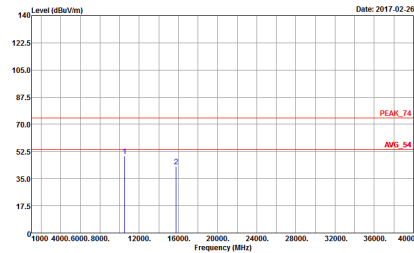


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH65 5325 MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	Left blank
Avg.	 Site : 03CH11-HY Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 3	Left blank

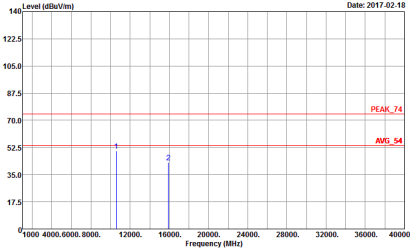
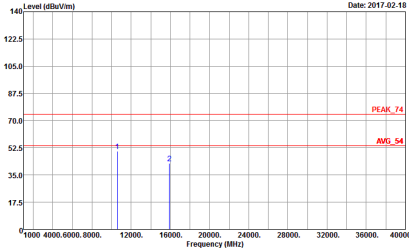


Band 2 - 5250~5350MHz

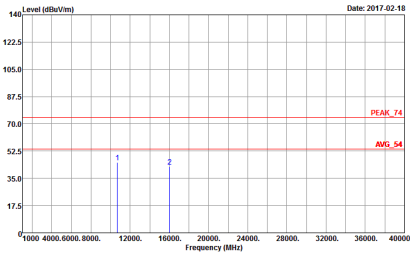
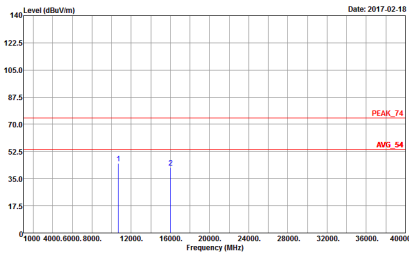
WIFI 802.11n HT10 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT10 CH51 5255MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 19.5



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT10 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 20	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 20

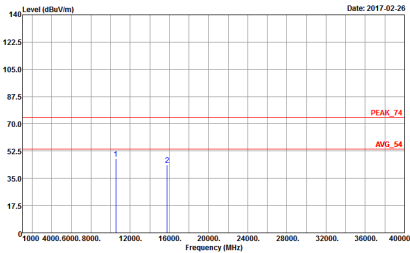
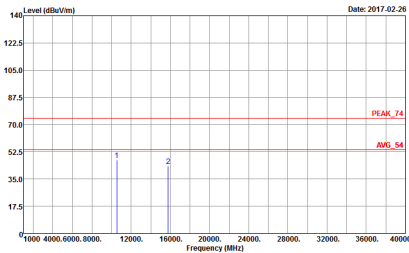


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT10 CH68 5340MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 15	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 15

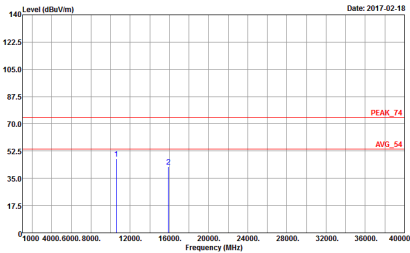
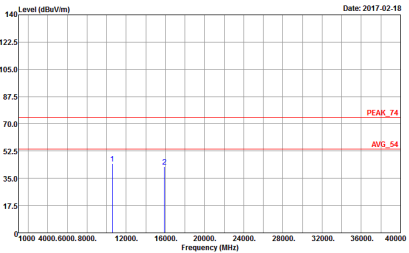


Band 2 5250~5350MHz

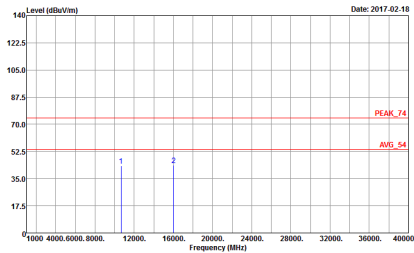
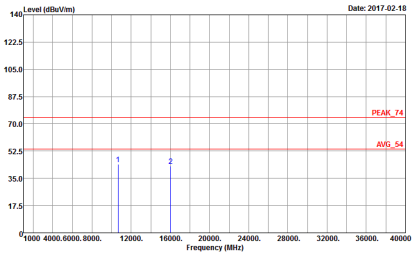
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 20	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 20



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 19.5



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH67 5335MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 6.5	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 6.5



Band 2 5250~5350MHz

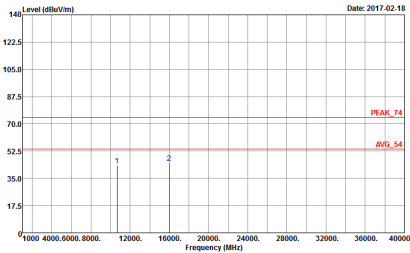
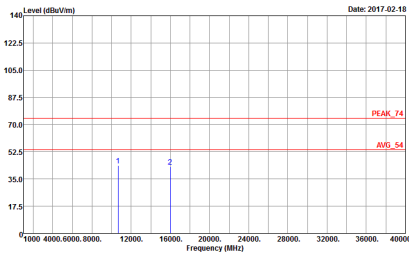
WIFI 802.11n HT30 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT30 CH53 5265	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 21.5	Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 21.5



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT30 CH60 5300	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_I50809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 20.5	Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_I50809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 20.5



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT30 CH66 5330	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 3	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 3

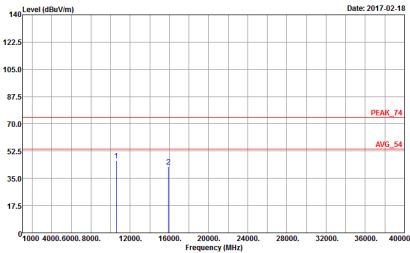
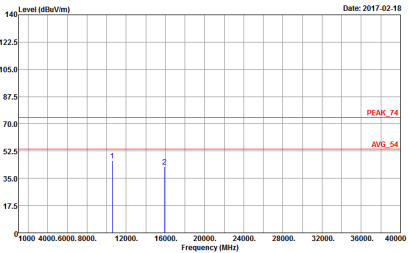


Band 2 5250~5350MHz

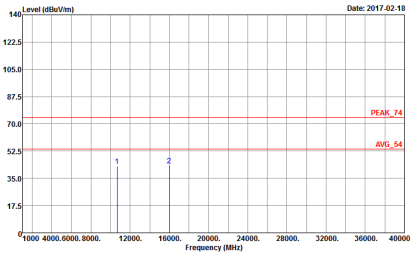
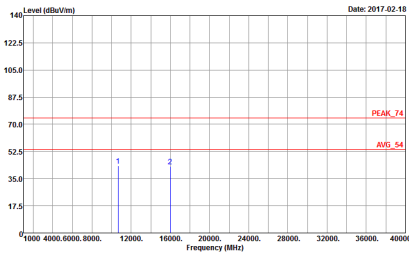
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5	Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 19.5



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH60 5300	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_I50809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 20	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_I50809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 20

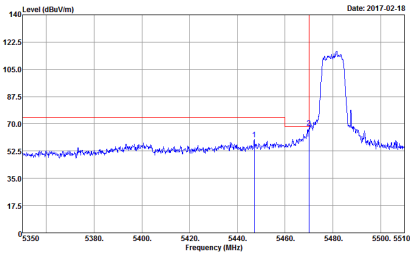
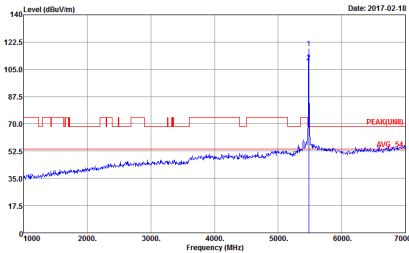
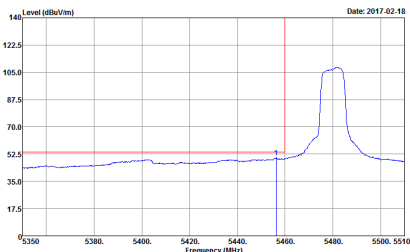


WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH65 5325	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 31.5	 Site : 03CH11-HY Condition : PEAK_74 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 31.5

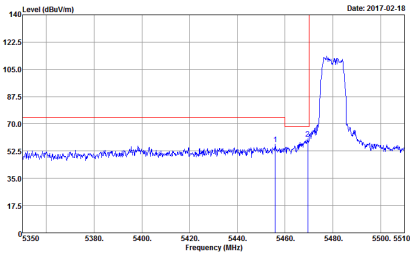
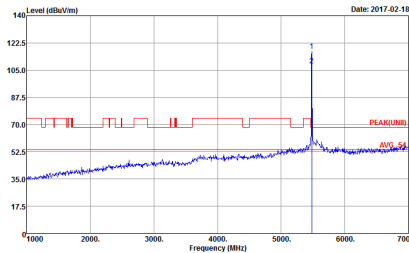
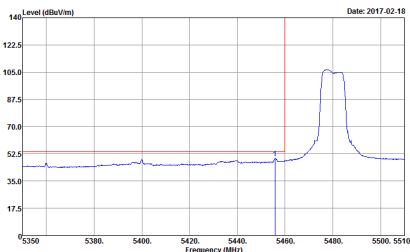


Band 3 - 5470~5725MHz

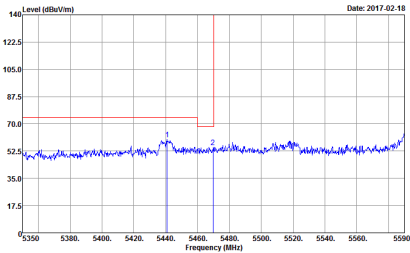
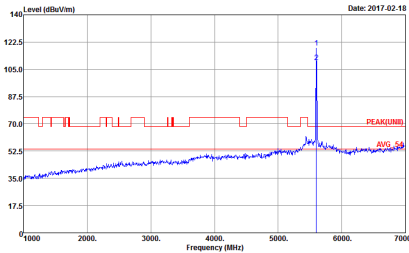
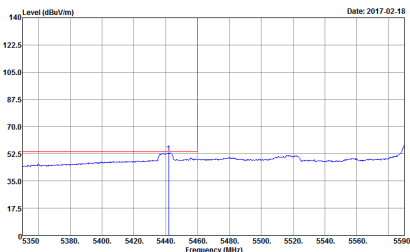
WIFI 802.11n HT10 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT10 CH96 5480MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2	Left blank

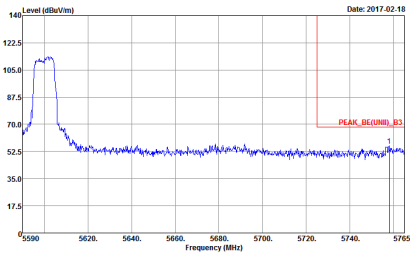


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT10 CH96 5480MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2	 Site : 03CH11-HV Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2
Avg.	 Site : 03CH11-HV Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2	Left blank

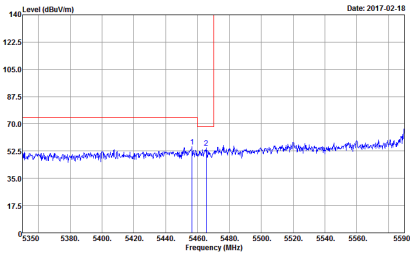
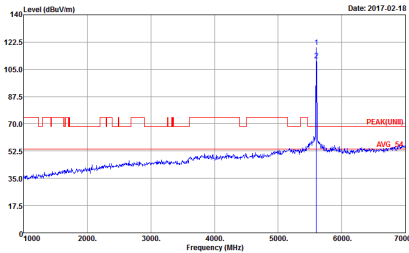
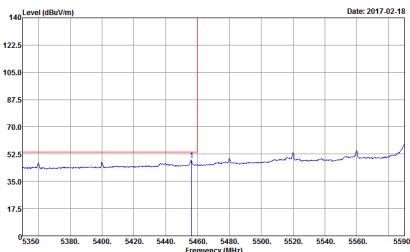


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT10 CH120 5600MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2	Left blank

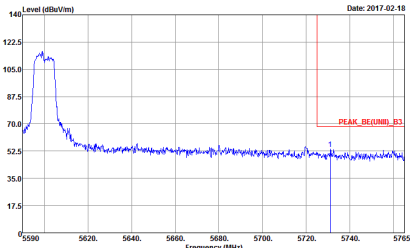


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT10 CH120 5600MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2	Left blank

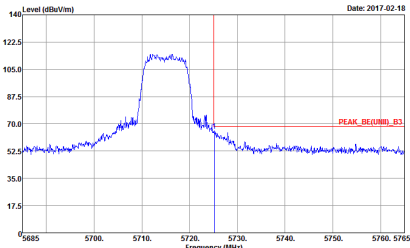
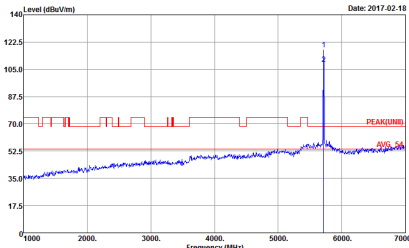


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT10 CH120 5600MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2	Left blank

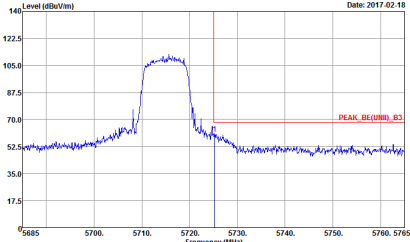
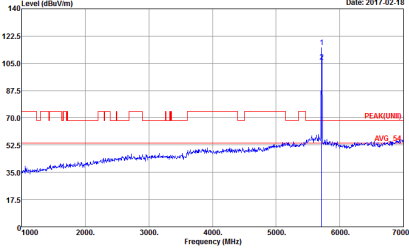


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT10 CH120 5600MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-JHY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 17.5 : 68.2	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT10 CH143 5715MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 14.5 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 14.5 68.2

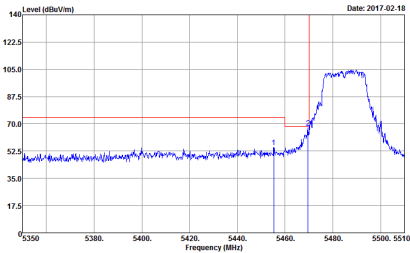
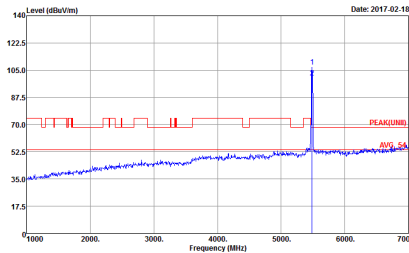
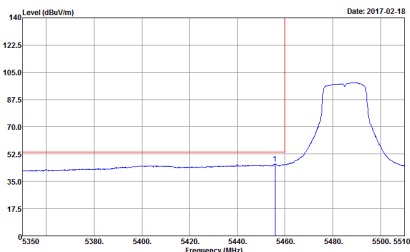


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT10 CH143 5715MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 14.5 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 14.5 68.2

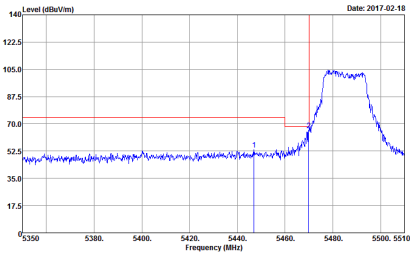
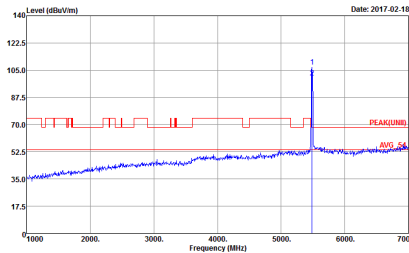
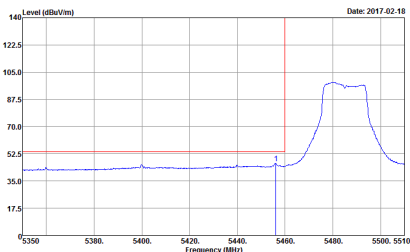


Band 3 5470~5725MHz

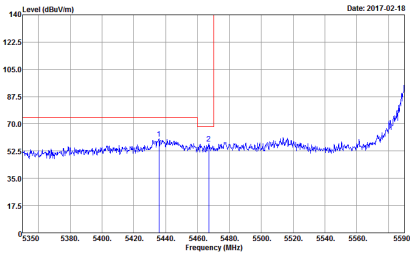
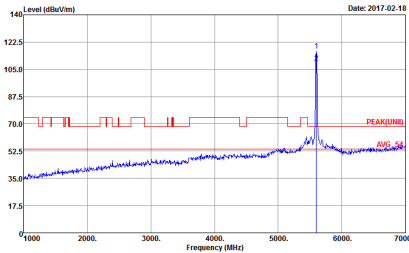
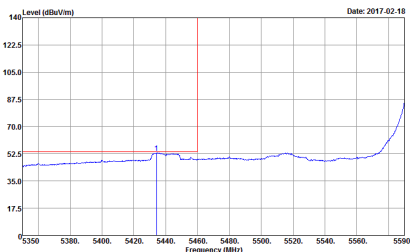
WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH97 5485MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 11 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 11 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 11 68.2	Left blank

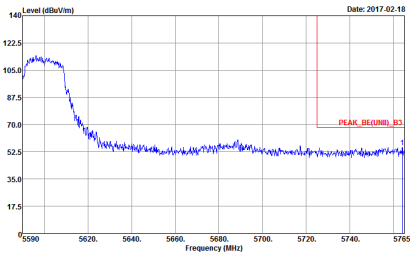


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH97 5485MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 11 : 68.2	 Site : 03CH11-HV Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 11 : 68.2
Avg.	 Site : 03CH11-HV Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 11 : 68.2	Left blank

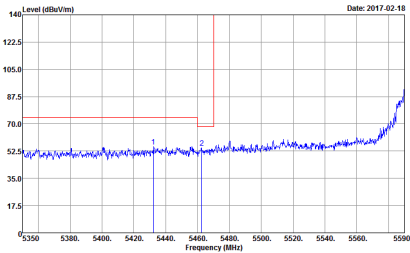
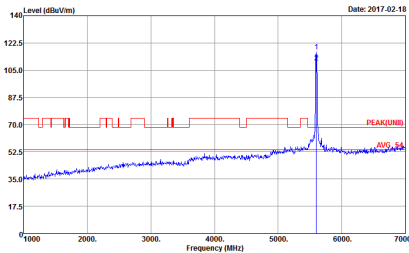
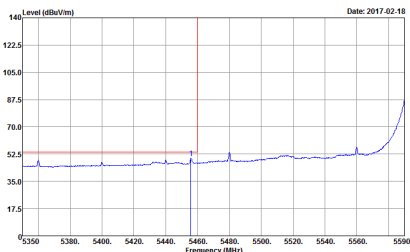


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH120 5600MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2	Left blank

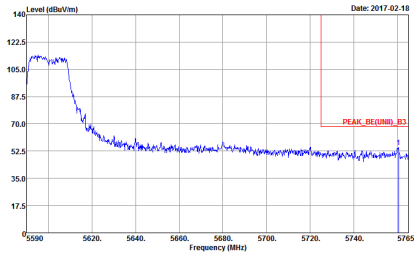


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH120 5600MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 20.5 : 68.2	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH120 5600MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:1.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2	Left blank

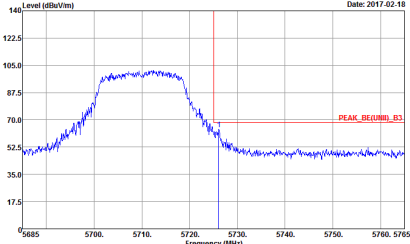
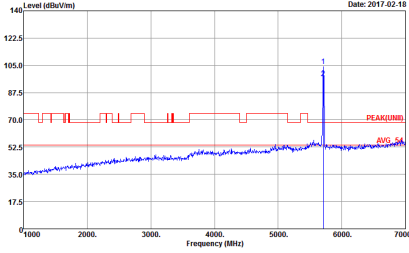


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH120 5600MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH11-JHY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 20.5 : 68.2	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH142 5710MHz	
1	Horizontal	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 7 Setting : 68.2	Site : 03CH11-HY Condition : PEAK(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 7 Setting : 68.2

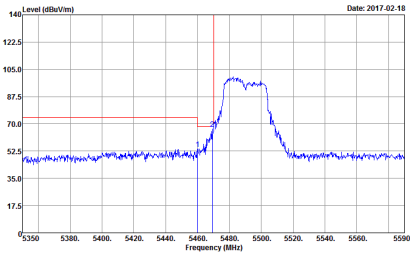
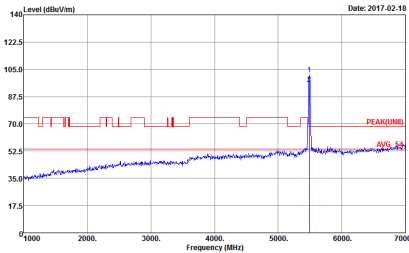
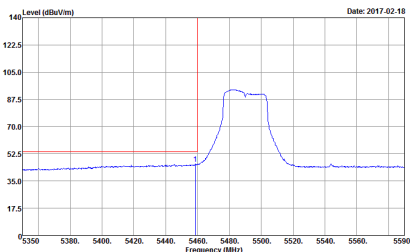


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH142 5710MHz	
1	Vertical	Fundamental
Peak.	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 7 Setting : 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 7 Setting : 68.2

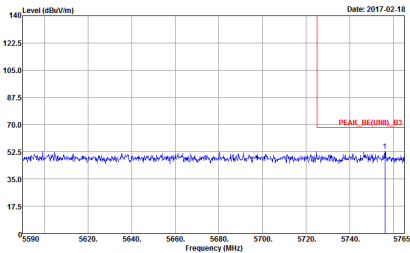


Band 3 5470~5725MHz

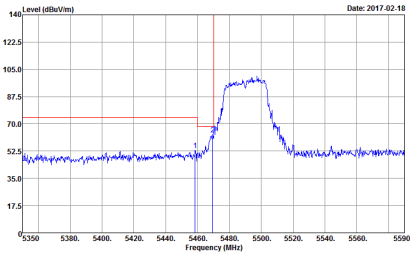
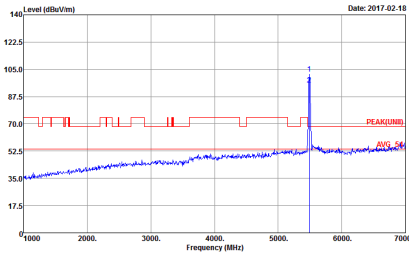
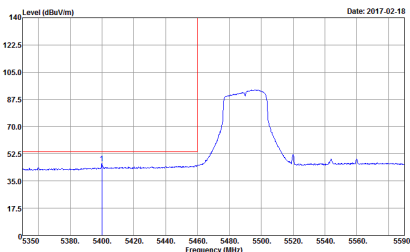
WIFI 802.11n HT30 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH98 5490MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 7.5 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 7.5 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 7.5 68.2	Left blank

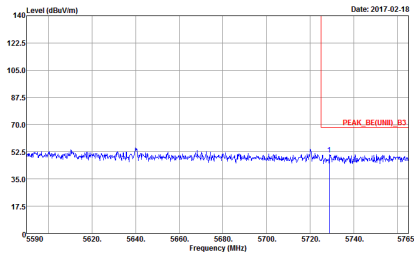


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH98 5490MHz z - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 7.5 : 68.2	Left blank

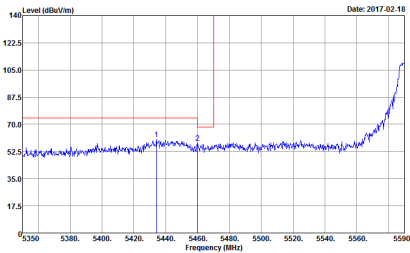
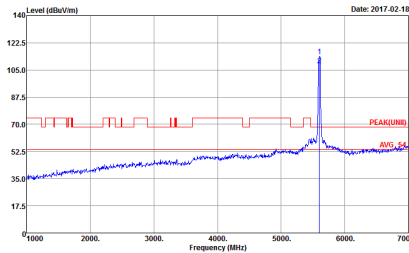
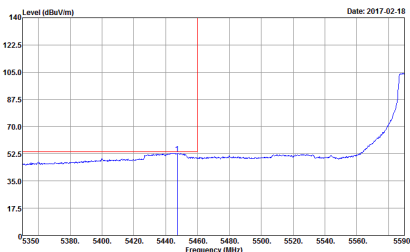


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH98 5490MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 7.5 : 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 7.5 : 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 7.5 : 68.2	Left blank

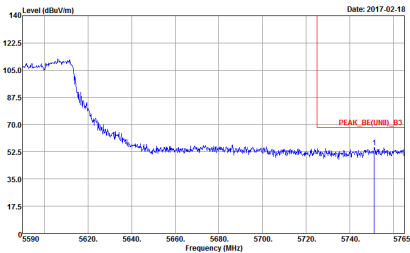


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH98 5490MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 7.5 : 68.2	Left blank

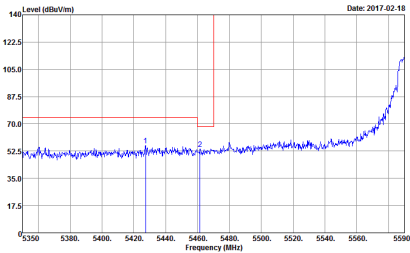
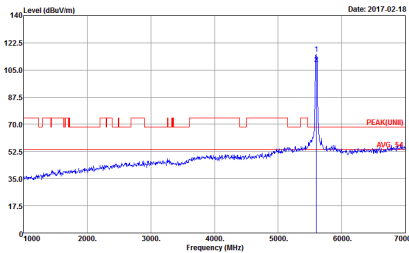
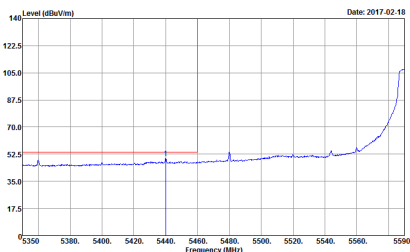


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH120 5600MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2	Left blank

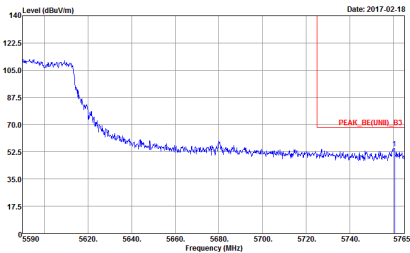


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH120 5600MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 : 68.2	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH120 5600MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 20.5 68.2	Left blank

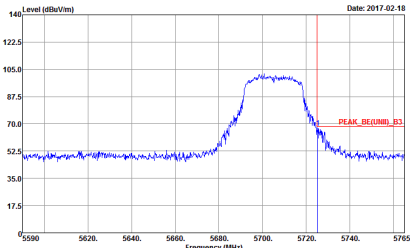


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH120 5600MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 20.5 : 68.2	Left blank

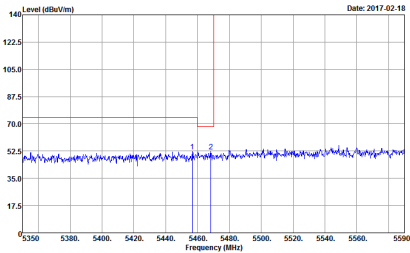
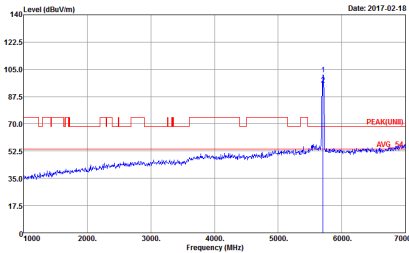
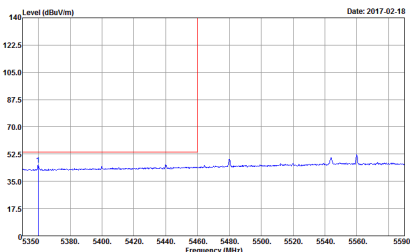


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH141 5705MHz - L	
1	Horizontal	Fundamental
Peak	Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5 68.2	Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5 68.2
Avg.	Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5 68.2	Left blank

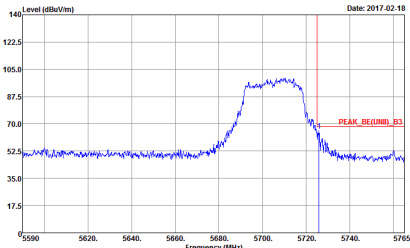


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH141 5705MHz - - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5 : 68.2	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH141 5705MHz - - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5 68.2	Left blank

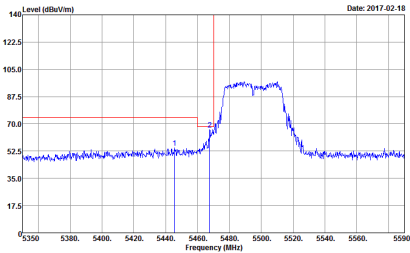
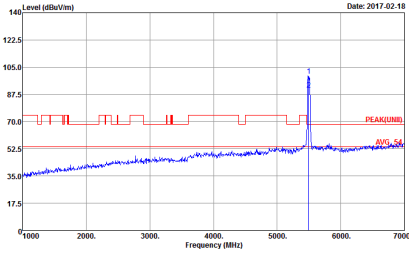
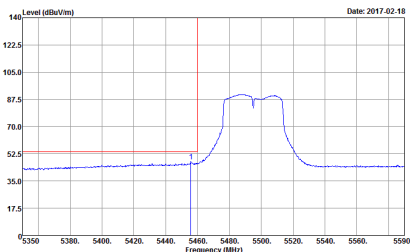


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT30 CH141 5705MHz - - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 6.5 : 68.2	Left blank

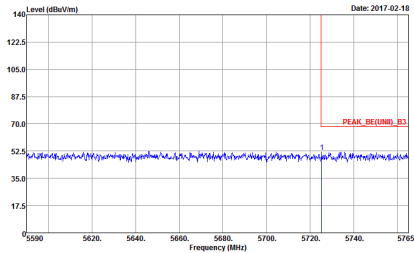


Band 3 5470~5725MHz

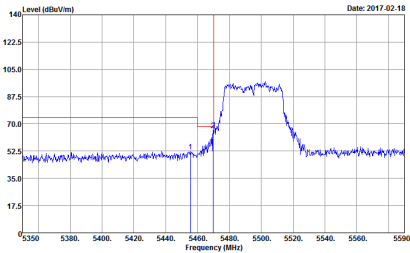
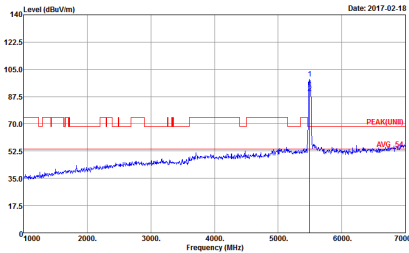
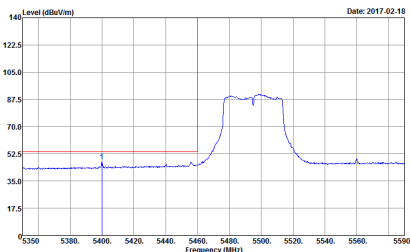
WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH99 5495MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT1) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT1)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH99 5495MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-JHY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2	Left blank



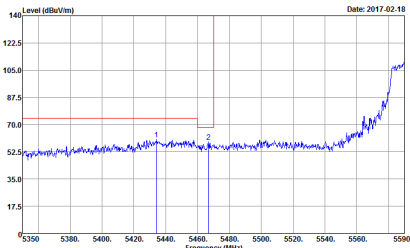
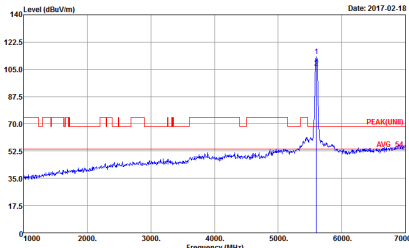
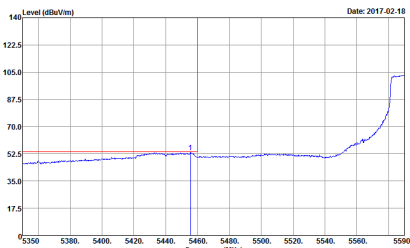
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH99 5495MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2	Left blank



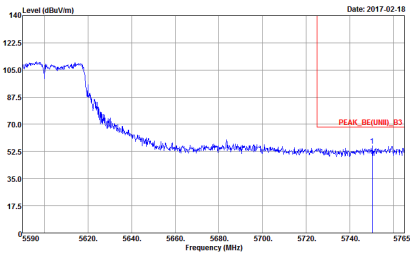
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH99 5495MHz - R	
1	Vertical	Fundamental
Peak	Level (dBm/Hz) 140 122.5 105.0 87.5 70.0 52.5 35.0 17.5 0 5580 5620 5640 5660 5680 5700 5720 5740 5765 Frequency (MHz) Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2 Date: 2017-02-18 PEAK_BE(UNIT)_B3	Left blank

Left blank

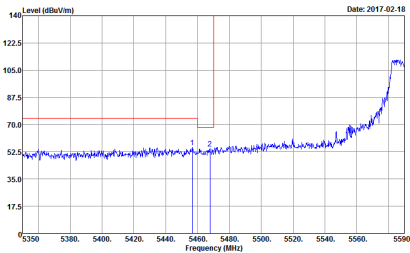
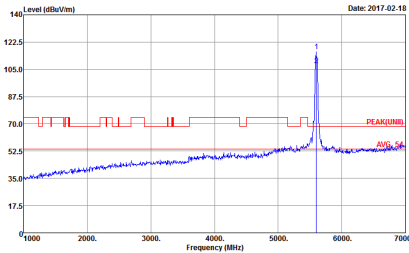
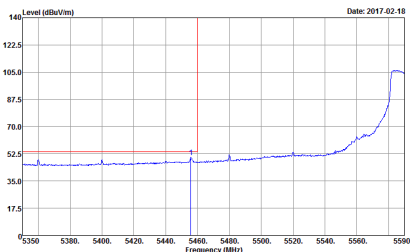


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH120 5600MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5 : 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5 : 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5 : 68.2	Left blank

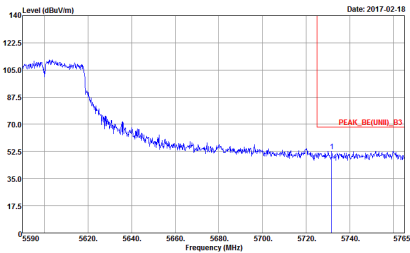


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH120 5600MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-JHY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5 : 68.2	Left blank

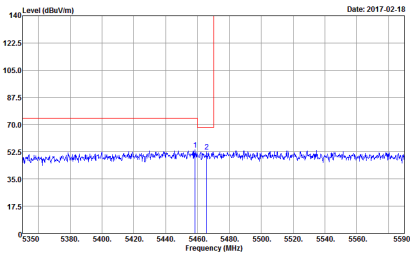
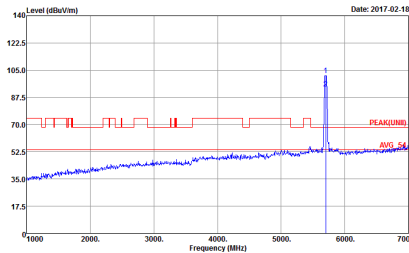
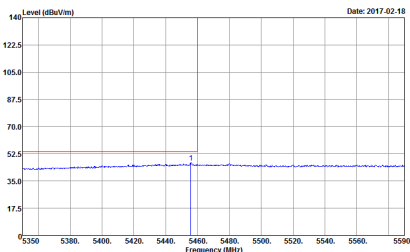


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH120 5600MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5 : 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5 : 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5 : 68.2	Left blank

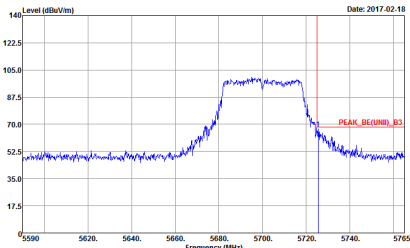


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH120 5600MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 19.5 : 68.2	Left blank

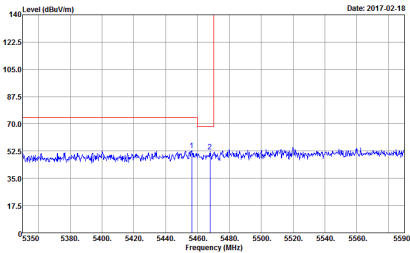
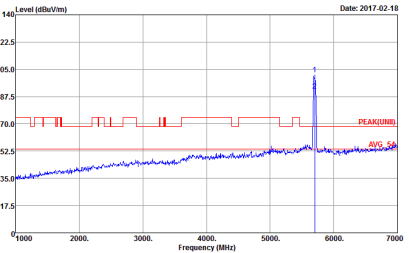
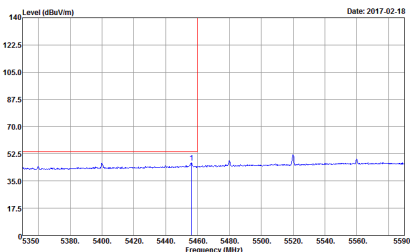


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH140 5700MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HV Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2	 Site : 03CH11-HV Condition : PEAK(UNIT) 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2
Avg.	 Site : 03CH11-HV Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2	Left blank

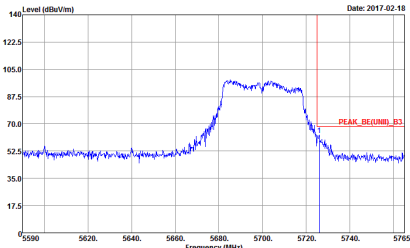


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH140 5700MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2	Left blank



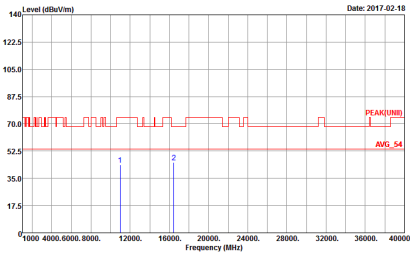
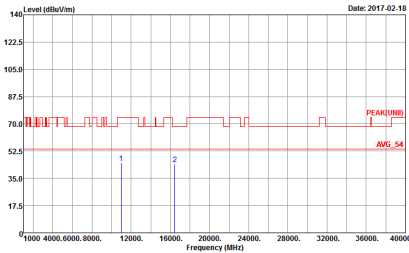
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH140 5700MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2
Avg.	 Site : 03CH11-HY Condition : AVG_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2	Left blank



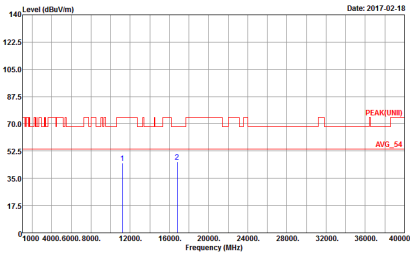
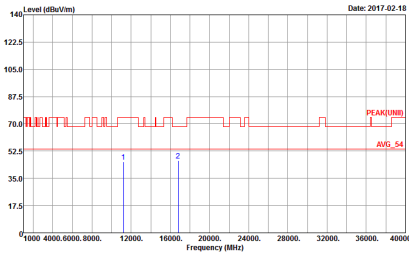
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH140 5700MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH11-HY Condition : PEAK_BE(UNIT)_B3 3m HORN 9120D-HF VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 6N2218-02 Setting : 5 : 68.2	Left blank



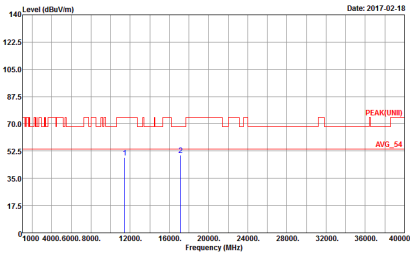
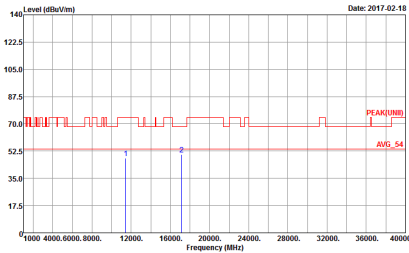
Band 3 - 5470~5725MHz
WIFI 802.11n HT10 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT10 CH96 5480MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 17.5 Setting : 68.2	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 17.5 Setting : 68.2



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT10 CH120 5600MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 17.5 Setting : 68.2	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 17.5 Setting : 68.2



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT10 CH143 5715MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 14.5 Setting : 68.2	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 14.5 Setting : 68.2

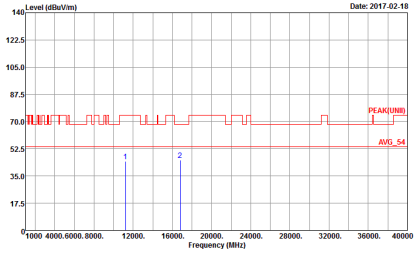
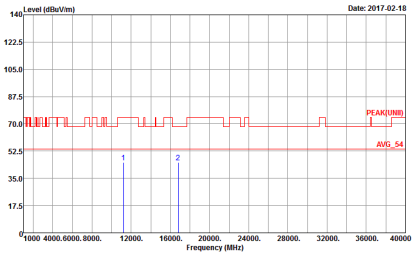


Band 3 5470~5725MHz

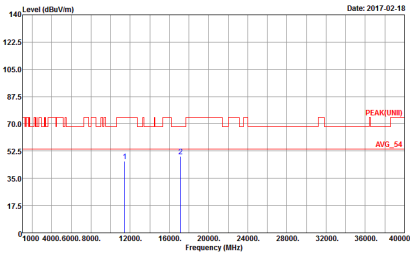
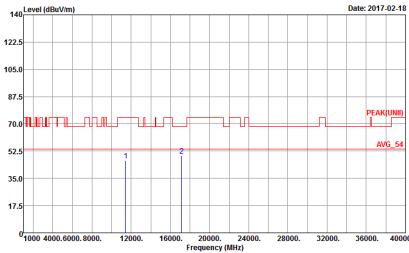
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH97 5485MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH11-HY Condition : PEAK(UNIT) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 11.5 Setting : 68.2	Site : 03CH11-HY Condition : PEAK(UNIT) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 11.5 Setting : 68.2



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH120 5600MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNB) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 21 Setting : 68.2	 Site : 03CH11-HY Condition : PEAK(UNB) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 21 Setting : 68.2
	c	



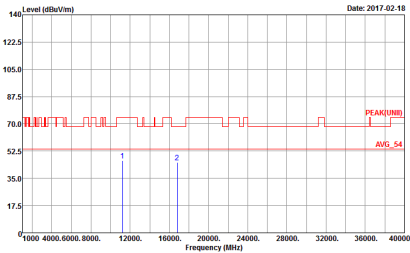
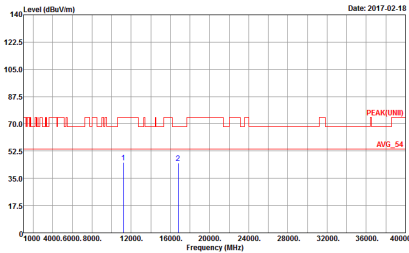
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH142 5710MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 7 Setting : 68.2	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 7 Setting : 68.2



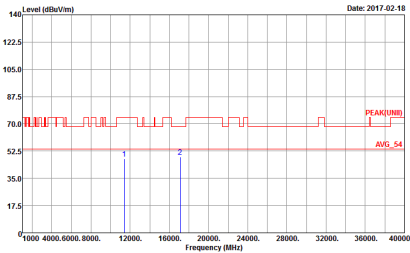
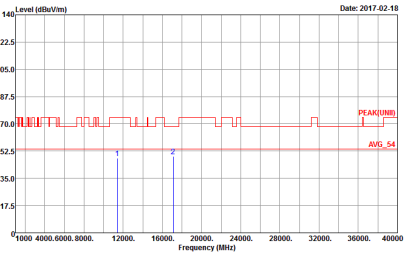
Band 3 5470~5725MHz
WIFI 802.11n HT30 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT30 CH98 5490MHz	
1	Horizontal	Vertical
Peak Avg.	Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 7.5 Setting : 68.2	Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 7.5 Setting : 68.2



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT30 CH120 5600MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 20.5 Setting : 68.2	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 20.5 Setting : 68.2

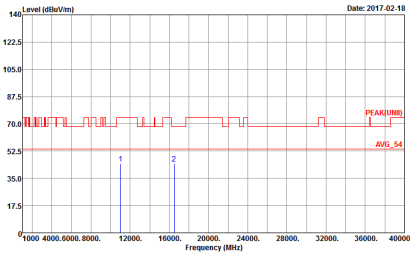
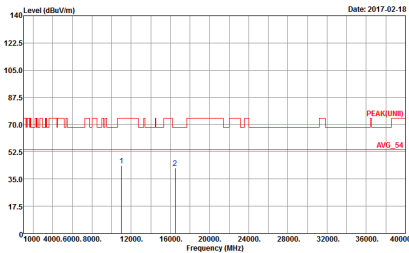


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT30 CH141 5705MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 6.5 Setting : 68.2	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 6.5 Setting : 68.2

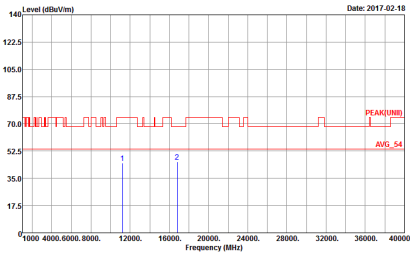
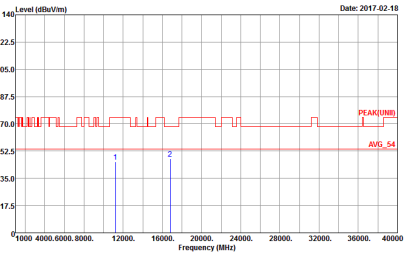


Band 3 5470~5725MHz

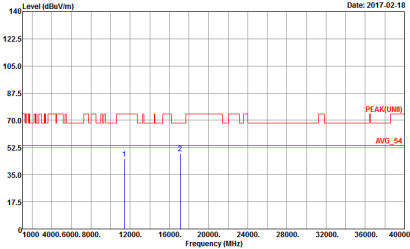
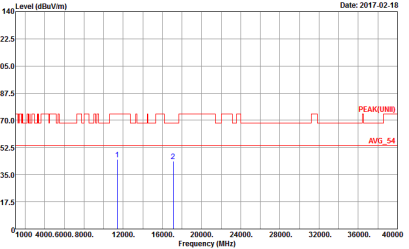
WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH99 5495MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 5 Setting : 68.2	 Site : 03CH11-HY Condition : PEAK(UNIT) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 5 Setting : 68.2



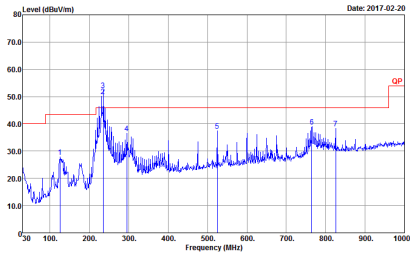
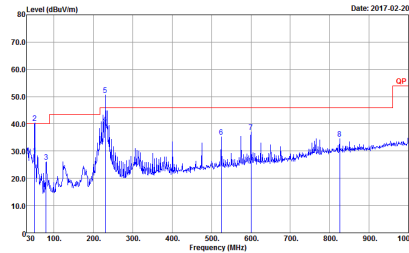
WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH120 5600MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 19.5 Setting : 68.2	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 19.5 Setting : 68.2



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 HORIZONTAL Detector : Peak Project : 6N2218-02 Setting : 5 Setting : 68.2	 Site : 03CH11-HY Condition : PEAK(UNII) 3m 9170 SHF HORM_150809 VERTICAL Detector : Peak Project : 6N2218-02 Setting : 5 Setting : 68.2

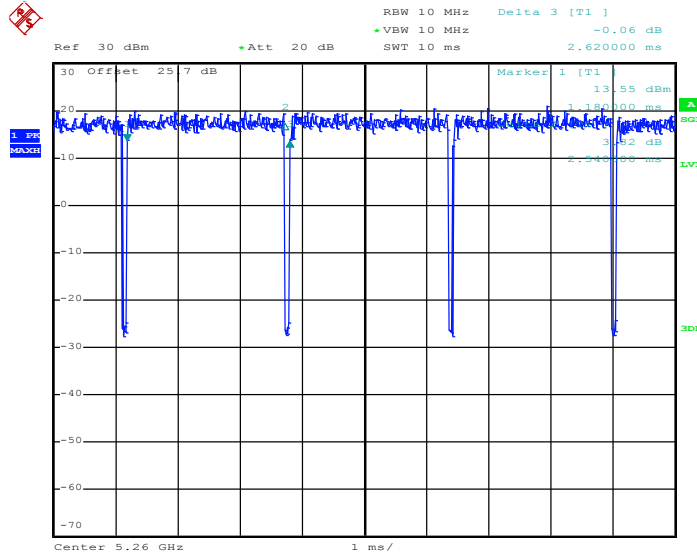


Emission below 1GHz
5GHz WIFI 802.11n HT40 (LF)

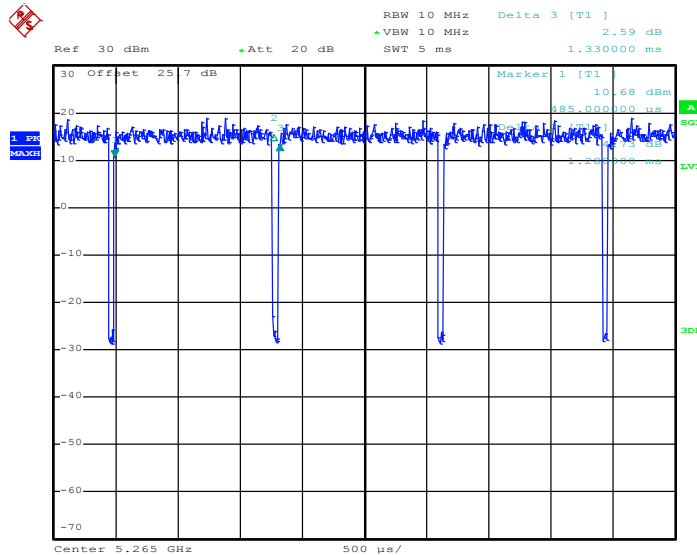
WIFI	5GHz WIFI	
ANT	802.11n HT40 LF	
1	Horizontal	Vertical
QP / Peak	 Site : 03CH11-HY Condition : QP 3m BE-LOG 6111D-LF_ETC HORIZONTAL Detector : Peak Project : 6N2218-02	 Site : 03CH11-HY Condition : QP 3m BE-LOG 6111D-LF_ETC VERTICAL Detector : Peak Project : 6N2218-02

Appendix E. Duty Cycle Plots

Antenna	Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
1+2	802.11ac VHT10 for Ant. 1	96.95	2540.00	0.39	1kHz
1+2	802.11ac VHT10 for Ant. 2	96.95	2546.00	0.39	1kHz
1+2	802.11ac VHT20 for Ant. 1	96.24	1280.00	0.78	1kHz
1+2	802.11ac VHT20 for Ant. 2	96.24	1280.00	0.78	1kHz
1+2	802.11ac VHT30 for Ant. 1	95.27	846.00	1.18	3kHz
1+2	802.11ac VHT30 for Ant. 2	95.24	840.00	1.19	3kHz
1+2	802.11ac VHT40 for Ant. 1	94.60	630.00	1.59	3kHz
1+2	802.11ac VHT40 for Ant. 2	94.60	630.00	1.59	3kHz

MIMO <Ant. 1+2(1)>
802.11ac VHT10


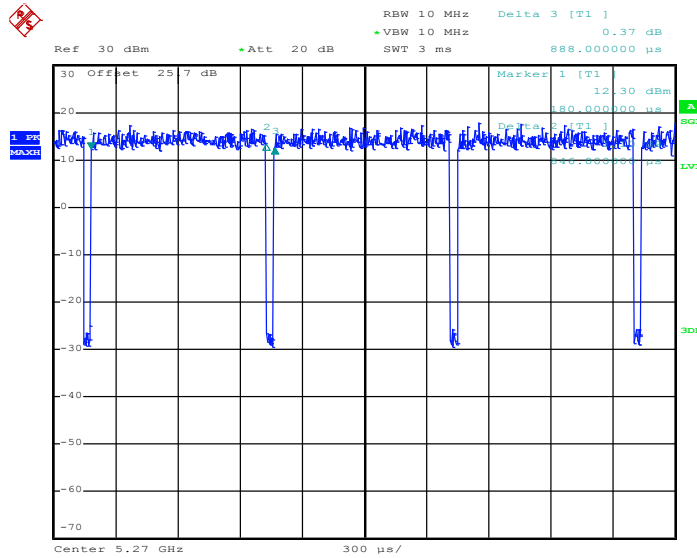
Date: 1.MAR.2017 21:55:37

802.11ac VHT20


Date: 1.MAR.2017 22:33:43

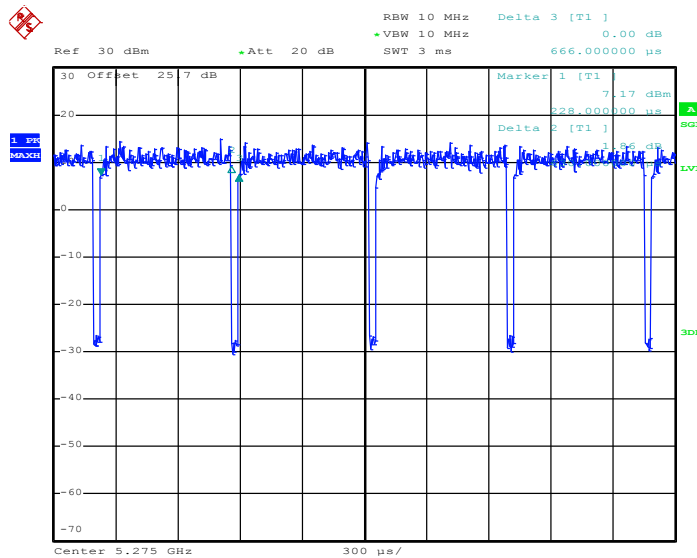


802.11ac VHT30

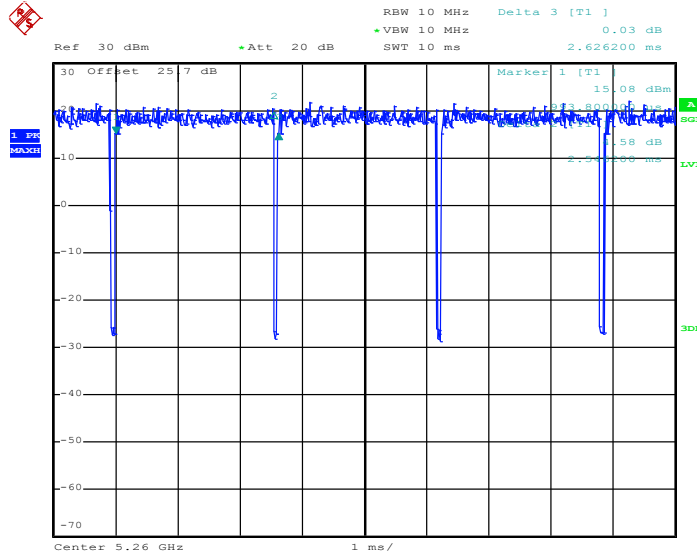


Date: 1.MAR.2017 23:00:15

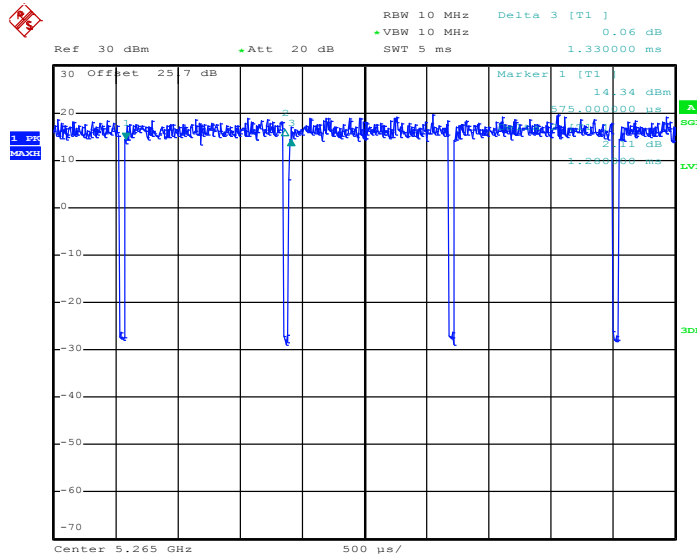
802.11ac VHT40



Date: 1.MAR.2017 23:25:52

MIMO <Ant. 1+2(2)>
802.11ac VHT10


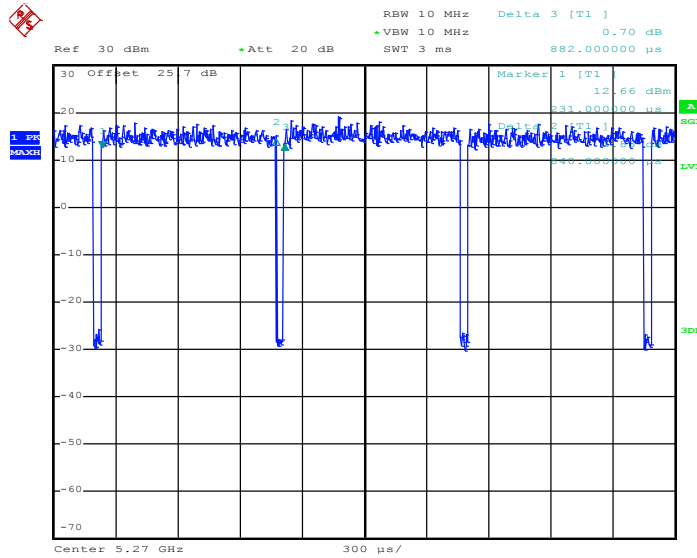
Date: 1.MAR.2017 21:57:07

802.11ac VHT20


Date: 1.MAR.2017 22:35:04

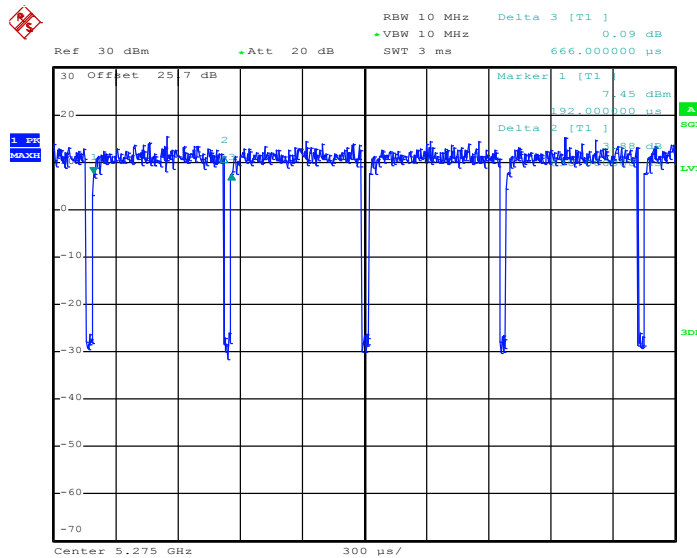


802.11ac VHT30



Date: 1.MAR.2017 23:01:09

802.11ac VHT40



Date: 1.MAR.2017 23:27:18