



# FCC RF Test Report

**APPLICANT** : Ubiquiti Networks, Inc.  
**EQUIPMENT** : Front Row Camera  
**BRAND NAME** : ULABS  
**MODEL NAME** : FR  
**FCC ID** : SWX-FR  
**STANDARD** : FCC Part 15 Subpart E §15.407  
**CLASSIFICATION** : (NII) Unlicensed National Information Infrastructure

The product was received on Mar. 21, 2017 and testing was completed on Apr. 10, 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



Testing Laboratory  
1190

## **SPORTON INTERNATIONAL INC.**

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



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### SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	2.1049 15.403(i)	26dB & 99% Bandwidth	-	Pass	-
3.2	15.407(a)	Maximum Conducted Output Power	FCC ≤ 24 dBm (depend on band)	Pass	-
3.3	15.407(a)	Power Spectral Density	FCC ≤ 11 dBm (depend on band)	Pass	-
3.4	15.407(b)	Unwanted Emissions	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 0.28 dB at 106.68 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 11.50 dB at 0.190 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

Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac.

Product Specification subjective to this standard	
Antenna Type	WLAN: Internal Antenna Bluetooth: Internal 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.

<b>Test Site</b>	SPORTON INTERNATIONAL INC.	
<b>Test Site Location</b>	No. 52, Hwa Ya 1 <sup>st</sup> 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	
<b>Test Site No.</b>	<b>Sporton Site No.</b>	
	TH05-HY	CO05-HY

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

<b>Test Site</b>	SPORTON INTERNATIONAL INC.	
<b>Test Site Location</b>	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	
<b>Test Site No.</b>	<b>Sporton Site No.</b>	
	03CH13-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 644545 D03 Guidance for IEEE 802 11ac New Rules v01.
- ♦ ANSI C63.10-2013

**Remark:**

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



## 2 Test Configuration of Equipment Under Test

- 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 Carrier Frequency Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5150-5250 MHz Band 1 (U-NII-1)	36	5180	44	5220
	38*	5190	46*	5230
	40	5200	48	5240
	42 <sup>#</sup>	5210		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5250-5350 MHz Band 2 (U-NII-2A)	52	5260	60	5300
	54*	5270	62*	5310
	56	5280	64	5320
	58 <sup>#</sup>	5290		

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
5470-5725 MHz Band 3 (U-NII-2C)	100	5500	112	5560
	102*	5510	116	5580
	104	5520	132	5660
	106 <sup>#</sup>	5530	134*	5670
	108	5540	136	5680
	110*	5550	140	5700



Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
TDWR Channel	118*	5590	124	5620
	120	5600	126*	5630
	122 <sup>#</sup>	5610	128	5640

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
Straddle Channel	138 <sup>#</sup>	5690	144	5720
	142*	5710		

Note:

1. The above Frequency and Channel in "\*" were 802.11n HT40 and 802.11ac VHT40.
2. The above Frequency and Channel in "<sup>#</sup>" were 802.11ac VHT80.

## 2.2 Test Mode

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

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

Test Cases	
AC Conducted Emission	Mode 1 : Bluetooth Link + WLAN (5GHz) Link + Camera (Front) + USB Cable (Data Link with Notebook)





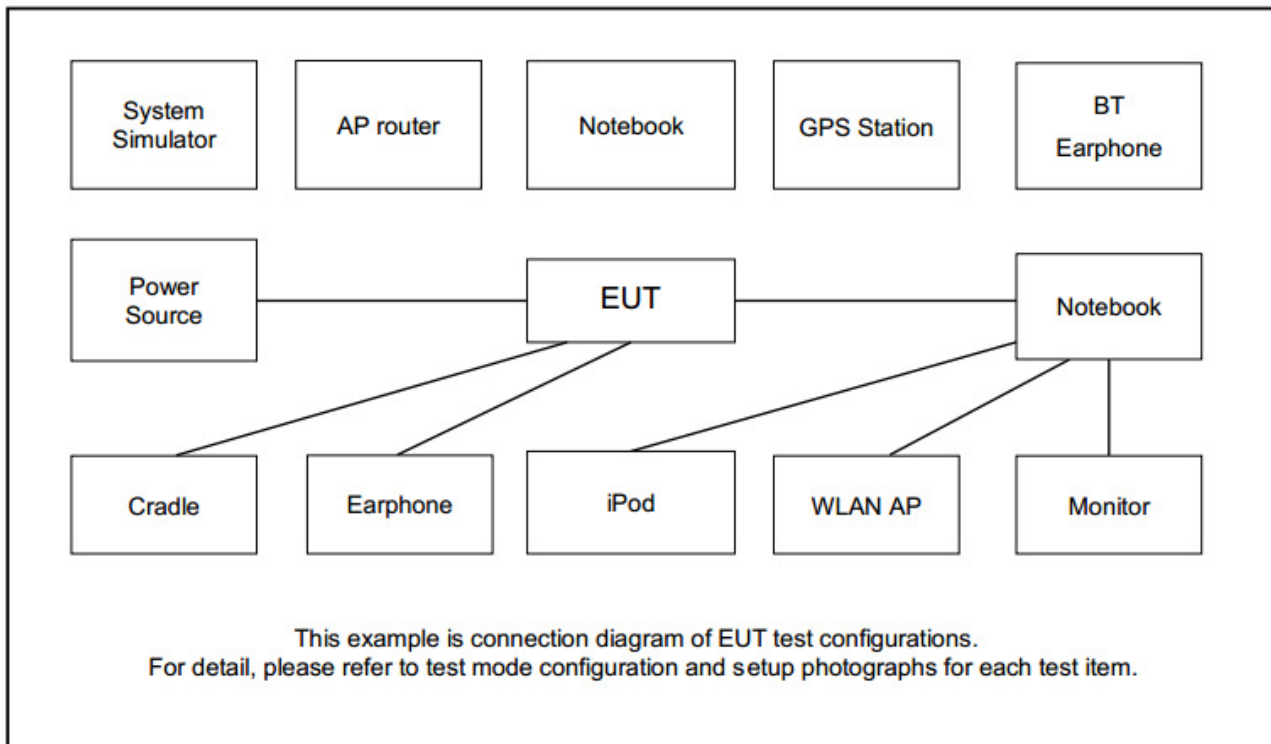
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11a	802.11a	802.11a
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140
Straddle		-	-	144

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

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

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

### 2.3 Connection Diagram of Test System



### 2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
2.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
4.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

### 2.5 EUT Operation Test Setup

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



## 2.6 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.

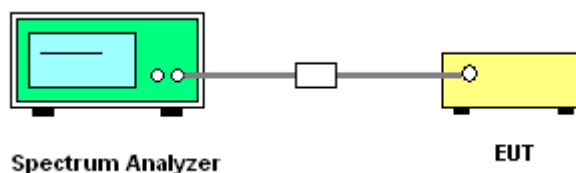
##### 3.1.2 Measuring Instruments

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.

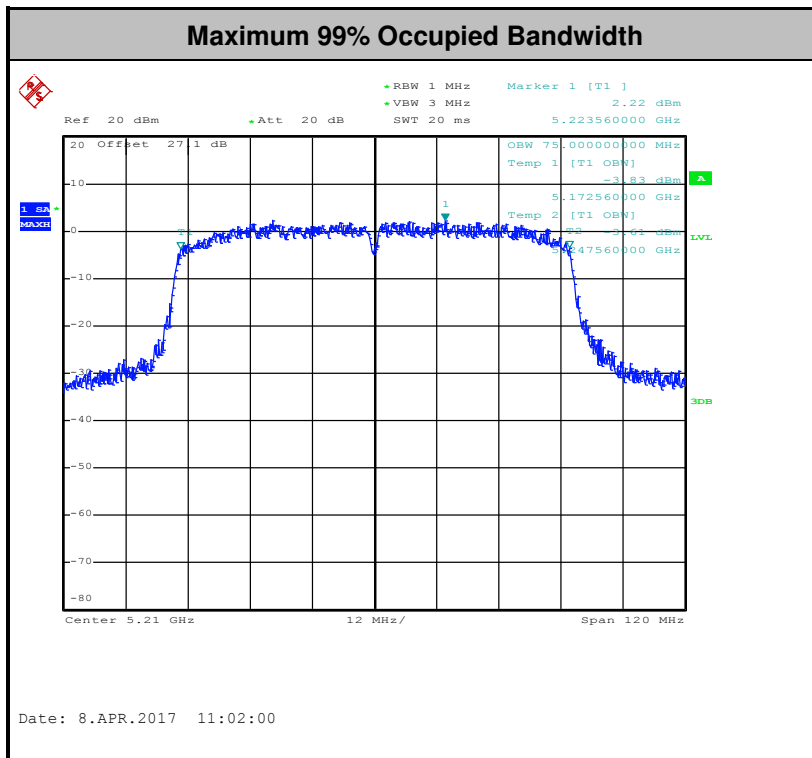
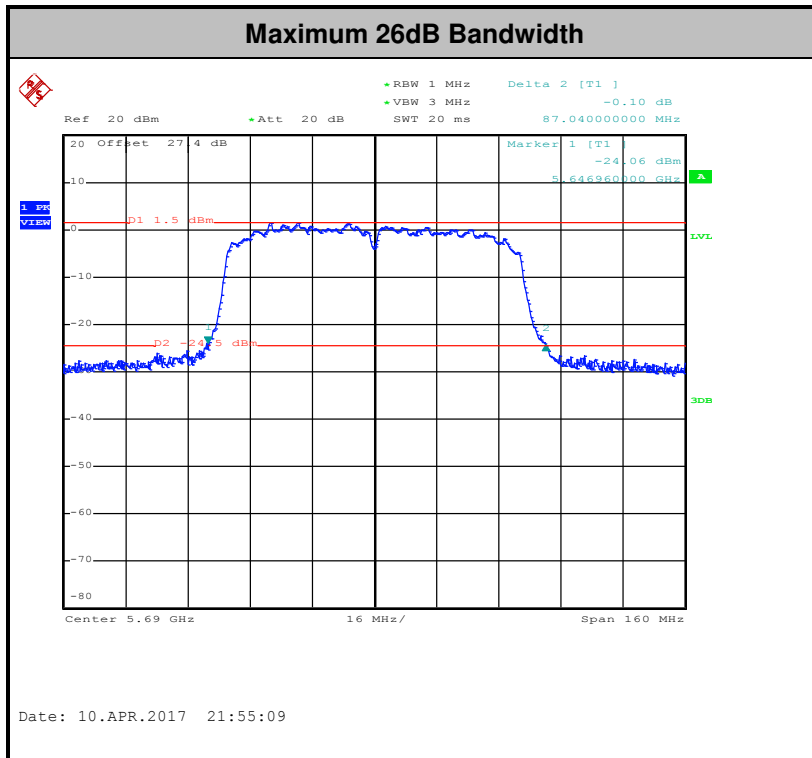
##### 3.1.4 Test Setup





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

Please refer to Appendix A.



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



## **3.2 Maximum Conducted Output Power Measurement**

### **3.2.1 Limit of Maximum Conducted Output Power**

<FCC 14-30 CFR 15.407>

For mobile and portable client devices in the 5.15–5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW.

For the 5.25–5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10 \log B$ , 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):

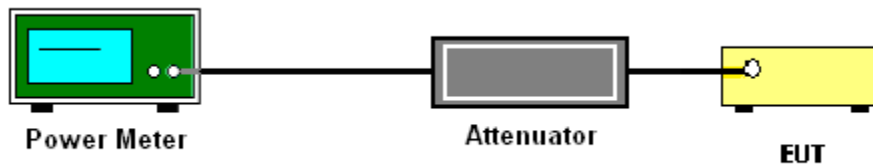
1. Measurement is performed using a wideband RF power meter.
2. The EUT is configured to transmit continuously with a consistent duty cycle at its maximum power control level.
3. Measure the average power of the transmitter, and the average power is corrected with duty factor,  $10 \log(1/x)$ , where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

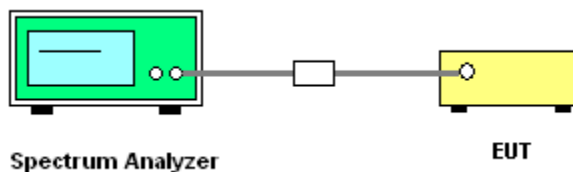
Compute power by integrating the spectrum across the 99% occupied bandwidth of the signal using the instrument's band power measurement function.

### 3.2.4 Test Setup

For normal channel:



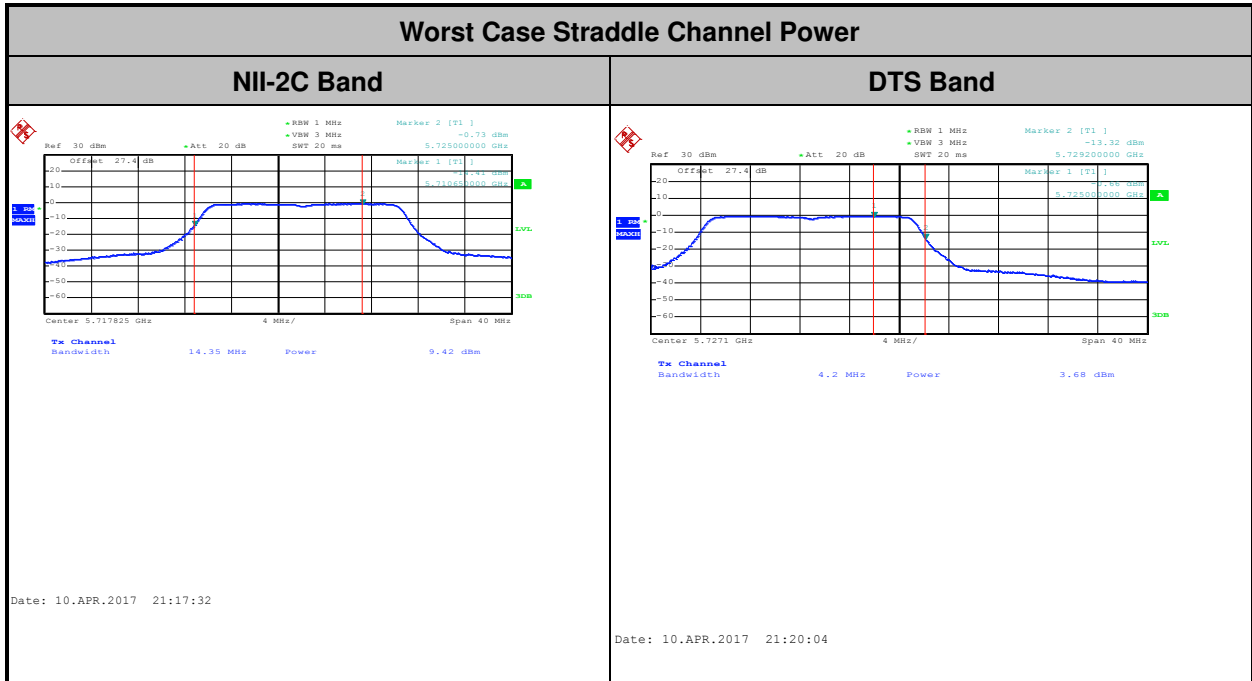
For straddle channel:





### 3.2.5 Test Result of Maximum Conducted Output Power

Please refer to Appendix A.







### **3.3 Power Spectral Density Measurement**

#### **3.3.1 Limit of Power Spectral Density**

<FCC 14-30 CFR 15.407>

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

For the 5.25–5.725 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

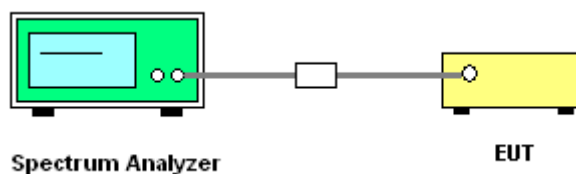
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03.  
Section F) Maximum power spectral density.

#### # Method SA-2 #

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

1. The testing follows Method SA-2 of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03.
  - Measure the duty cycle.
  - Set span to encompass the entire emission bandwidth (EBW) of the signal.
  - Set RBW = 1 MHz.
  - Set VBW  $\geq$  3 MHz.
  - Number of points in sweep  $\geq$  2 Span / RBW.
  - Sweep time = auto.
  - Detector = RMS
  - Trace average at least 100 traces in power averaging mode.
  - Add  $10 \log(1/x)$ , where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add  $10 \log(1/0.25) = 6$  dB if the duty cycle is 25 percent.
2. The RF output of EUT was connected to the spectrum analyzer by a low loss cable.
3. Each plot has already offset with cable loss, and attenuator loss. Measure the PPSD and record it.

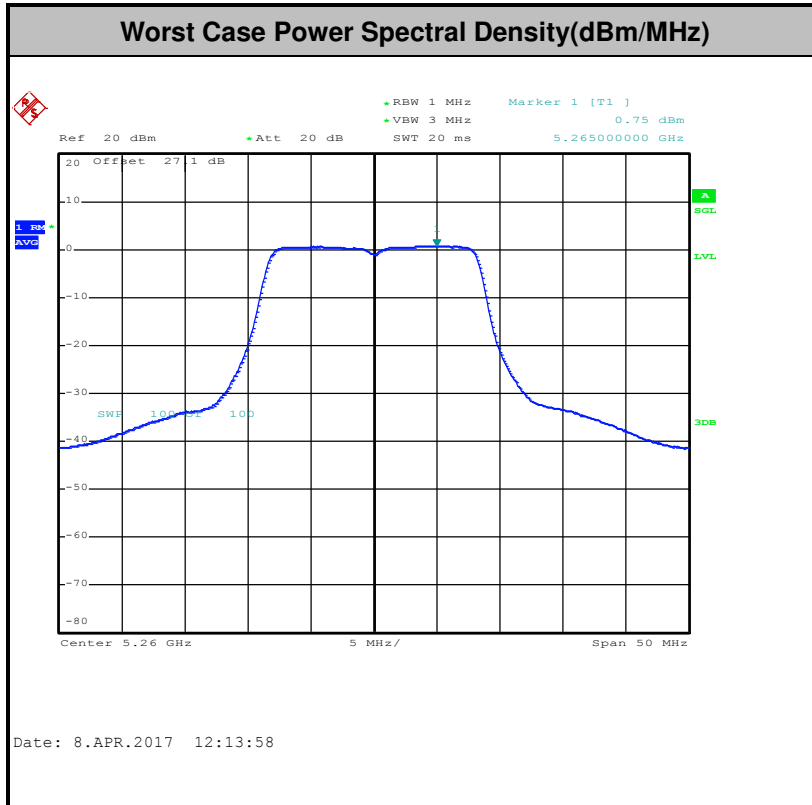
### 3.3.4 Test Setup





### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.



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



### 3.4 Unwanted Radiated Emission Measurement

This section is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement.

#### 3.4.1 Limit of Unwanted Emissions

- (1) For transmitters operating in the 5150-5250 MHz band: all emissions outside of the 5150-5350 MHz band shall not exceed an EIRP of -27dBm/MHz.

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

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

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

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

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

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



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

(3) KDB789033 D02 v01r03 G)2)c)

- (i) Section 15.407(b)(1-3) specifies the unwanted emissions limit for the U-NII-1 and 2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz. However, an out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz dBm/MHz peak emission limit.
- (ii) Section 15.407(b)(4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b)(4)(i). An alternative to the band emissions mask is specified in Section 15.407(b)(4)(ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the alternative 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

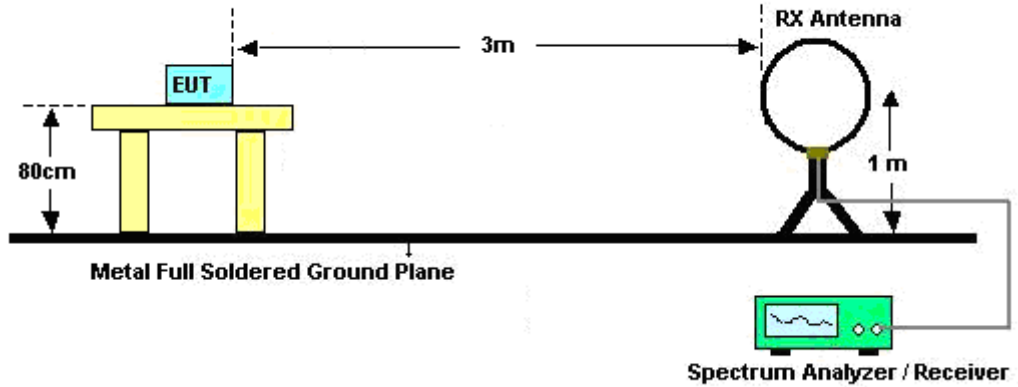
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- VBW  $\geq$  1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



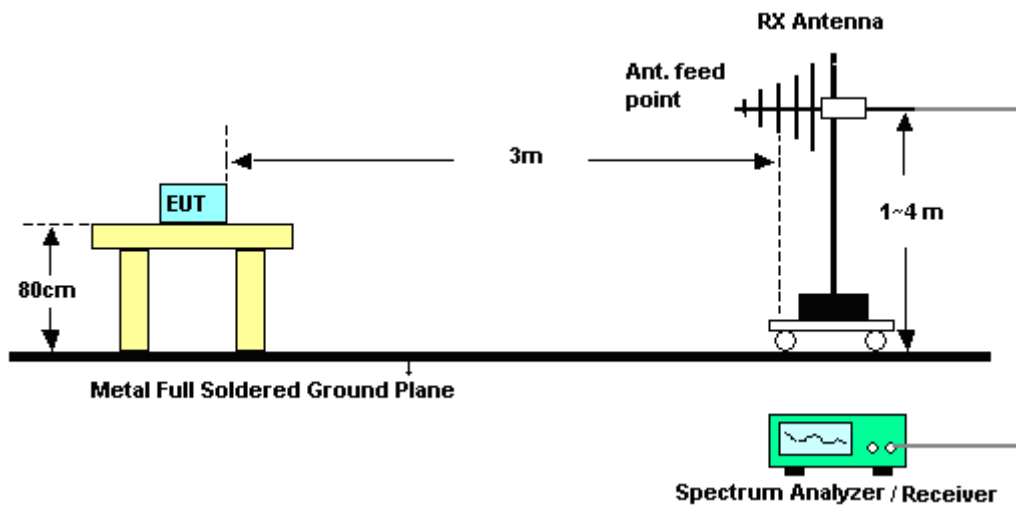
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

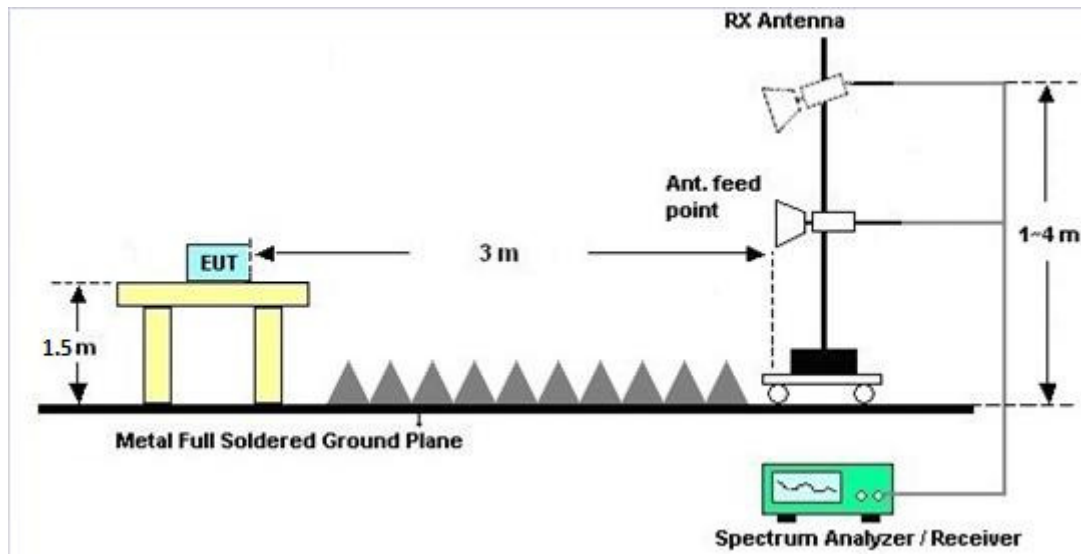


For radiated emissions from 30MHz to 1GHz





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 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 Emission (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 $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

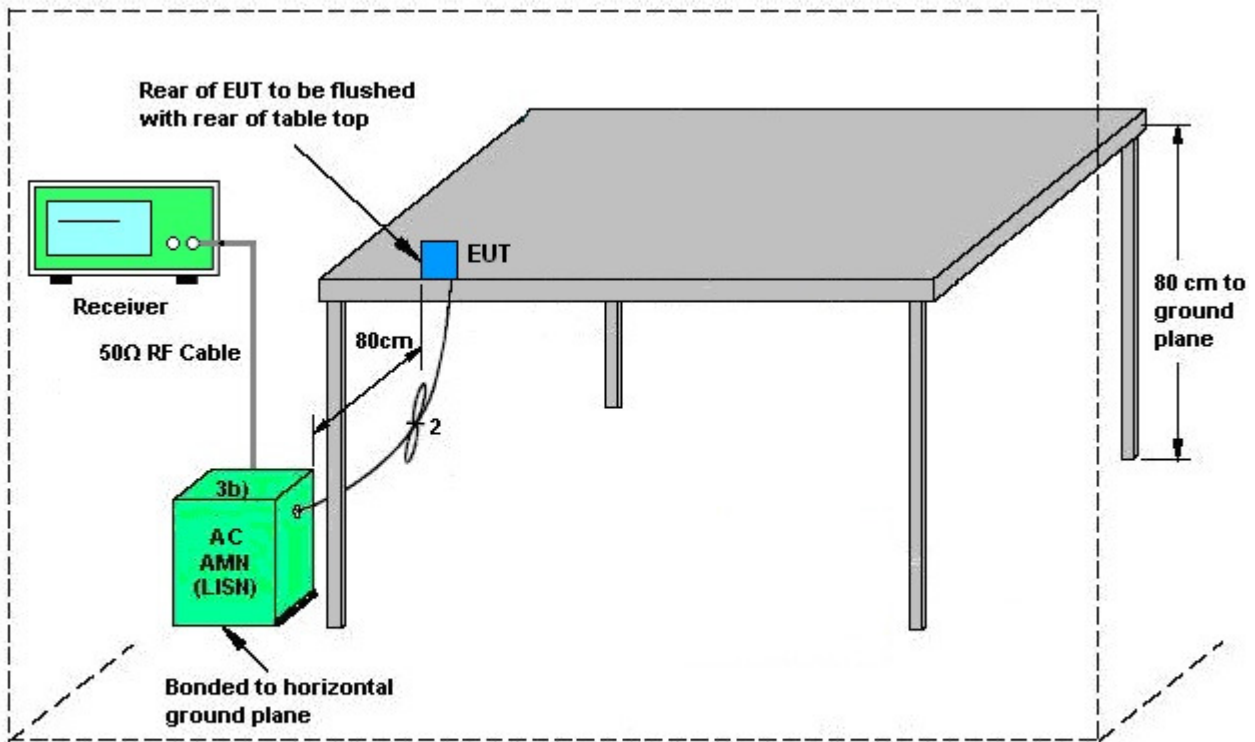
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



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

### 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.

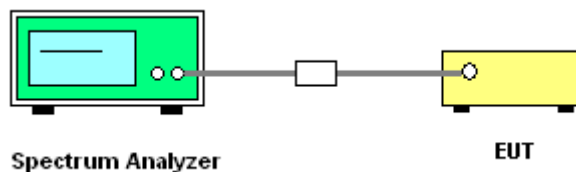
### 3.6.2 Measuring Instruments

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**

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### **3.8.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.

### **3.8.3 Antenna Gain**

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



## 4 List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	300MHz~40GHz	Sep. 29, 2016	Apr. 05, 2017 ~ Apr. 10, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Apr. 05, 2017 ~ Apr. 10, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jul. 17, 2016	Apr. 05, 2017 ~ Apr. 10, 2017	Jul. 16, 2017	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40°C ~90°C	Sep. 01, 2016	Apr. 05, 2017 ~ Apr. 10, 2017	Aug. 31, 2017	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890094	1V~20V 0.5A~5A	Oct. 11, 2016	Apr. 05, 2017 ~ Apr. 10, 2017	Oct. 10, 2017	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 30, 2017	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Mar. 30, 2017	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Mar. 30, 2017	Nov. 28, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 06, 2016	Mar. 30, 2017	Dec. 05, 2017	Conduction (CO05-HY)
Amplifier	Sonoma-Instrument	310 N	187282	9KHz~1GHz	Dec. 21, 2016	Mar. 21, 2017 ~ Apr. 01, 2017	Dec. 20, 2017	Radiation (03CH13-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	40103&04	30MHz to 1GHz	Jan. 07, 2017	Mar. 21, 2017 ~ Apr. 01, 2017	Jan. 06, 2018	Radiation (03CH13-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1241	1GHz ~ 18GHz	Apr. 25, 2016	Mar. 21, 2017 ~ Apr. 01, 2017	Apr. 24, 2017	Radiation (03CH13-HY)
Preamplifier	Keysight	83017A	MY53270147	1GHz~26.5GHz	Jan. 09, 2017	Mar. 21, 2017 ~ Apr. 01, 2017	Jan. 08, 2018	Radiation (03CH13-HY)
Spectrum Analyzer	Keysight	N9010A	MY55370526	N/A	Mar. 15, 2017	Mar. 21, 2017 ~ Apr. 01, 2017	Mar. 14, 2018	Radiation (03CH13-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Mar. 21, 2017 ~ Apr. 01, 2017	N/A	Radiation (03CH13-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Mar. 21, 2017 ~ Apr. 01, 2017	N/A	Radiation (03CH13-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	18GHz- 40GHz	Nov. 08, 2016	Mar. 21, 2017 ~ Apr. 01, 2017	Nov. 07, 2017	Radiation (03CH13-HY)
EMI Test Receiver	Keysight	N9038A(MXE)	MY55420170	N/A	Mar. 03, 2017	Mar. 21, 2017 ~ Apr. 01, 2017	Mar. 02, 2018	Radiation (03CH13-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800	2025787	1GHZ~18GHZ	Feb. 13, 2017	Mar. 21, 2017 ~ Apr. 01, 2017	Feb. 12, 2018	Radiation (03CH13-HY)
Preamplifier	MITEQ	JS44-1800400 0-33-8P	1840917	18GHz ~40GHz	Jun. 14, 2016	Mar. 21, 2017 ~ Apr. 01, 2017	Jun. 13, 2017	Radiation (03CH13-HY)



## 5 Uncertainty of Evaluation

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	2.70
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.90
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.40
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### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	4.30
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**Appendix A. Test Result of Conducted Test Items**

Test Engineer:	Kai Laio	Temperature:	21~25	°C
Test Date:	2017/4/5 ~2017/4/10	Relative Humidity:	51~54	%

**TEST RESULTS DATA**  
**26dB and 99% OBW**

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)		
11a	6Mbps	1	36	5180	18.25	28.75	-	22.61		
11a	6Mbps	1	44	5220	18.20	29.80	-	22.60		
11a	6Mbps	1	48	5240	18.25	30.75	-	22.61		
HT20	MCS0	1	36	5180	19.05	27.90	-	22.80		
HT20	MCS0	1	44	5220	19.10	25.90	-	22.81		
HT20	MCS0	1	48	5240	19.00	27.75	-	22.79		
HT40	MCS0	1	38	5190	36.70	45.70	-	23.01		
HT40	MCS0	1	46	5230	36.70	45.80	-	23.01		
VHT80	MCS0	1	42	5210	75.00	86.56	-	23.01		

**TEST RESULTS DATA**  
**Average Power Table**

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	36	5180	0.05	12.47	24.00	2.00		Pass
11a	6Mbps	1	44	5220	0.05	12.49	24.00	2.00		Pass
11a	6Mbps	1	48	5240	0.05	12.15	24.00	2.00		Pass
HT20	MCS0	1	36	5180	0.04	12.23	24.00	2.00		Pass
HT20	MCS0	1	44	5220	0.04	12.31	24.00	2.00		Pass
HT20	MCS0	1	48	5240	0.04	12.09	24.00	2.00		Pass
HT40	MCS0	1	38	5190	0.08	12.34	24.00	2.00		Pass
HT40	MCS0	1	46	5230	0.08	12.37	24.00	2.00		Pass
VHT20	MCS0	1	36	5180	0.05	12.21	24.00	2.00		Pass
VHT20	MCS0	1	44	5220	0.05	12.27	24.00	2.00		Pass
VHT20	MCS0	1	48	5240	0.05	12.06	24.00	2.00		Pass
VHT40	MCS0	1	38	5190	0.11	12.32	24.00	2.00		Pass
VHT40	MCS0	1	46	5230	0.11	12.35	24.00	2.00		Pass
VHT80	MCS0	1	42	5210	0.28	12.34	24.00	2.00		Pass

**TEST RESULTS DATA**  
**Power Spectral Density**

FCC Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)	-	Pass/Fail
11a	6Mbps	1	36	5180	0.05	0.30	11.00	2.00		Pass
11a	6Mbps	1	44	5220	0.05	0.27	11.00	2.00		Pass
11a	6Mbps	1	48	5240	0.05	-0.19	11.00	2.00		Pass
HT20	MCS0	1	36	5180	0.04	-0.17	11.00	2.00		Pass
HT20	MCS0	1	44	5220	0.04	-0.45	11.00	2.00		Pass
HT20	MCS0	1	48	5240	0.04	0.12	11.00	2.00		Pass
HT40	MCS0	1	38	5190	0.08	-3.28	11.00	2.00		Pass
HT40	MCS0	1	46	5230	0.08	-2.78	11.00	2.00		Pass
VHT80	MCS0	1	42	5210	0.28	-5.62	11.00	2.00		Pass

**TEST RESULTS DATA**  
**26dB and 99% OBW**

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	Note
11a	6M bps	1	52	5260	18.50	27.35	23.67	29.67	23.98	
11a	6M bps	1	60	5300	18.50	27.45	23.67	29.67	23.98	
11a	6M bps	1	64	5320	18.45	25.50	23.66	29.66	23.98	
HT20	MCS 0	1	52	5260	19.15	28.60	23.82	29.82	23.98	
HT20	MCS 0	1	60	5300	19.15	26.65	23.82	29.82	23.98	
HT20	MCS 0	1	64	5320	19.25	29.85	23.84	29.84	23.98	
HT40	MCS 0	1	54	5270	36.60	55.15	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.50	47.21	23.98	30.00	23.98	
VHT80	MCS 0	1	58	5290	74.88	85.76	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
11a	6M bps	1	52	5260	0.05	12.33	23.98	2.00	30.00	Pass
11a	6M bps	1	60	5300	0.05	12.49	23.98	2.00	30.00	Pass
11a	6M bps	1	64	5320	0.05	12.20	23.98	2.00	30.00	Pass
HT20	MCS 0	1	52	5260	0.04	12.34	23.98	2.00	30.00	Pass
HT20	MCS 0	1	60	5300	0.04	12.34	23.98	2.00	30.00	Pass
HT20	MCS 0	1	64	5320	0.04	12.40	23.98	2.00	30.00	Pass
HT40	MCS 0	1	54	5270	0.08	12.24	23.98	2.00	30.00	Pass
HT40	MCS 0	1	62	5310	0.08	12.37	23.98	2.00	30.00	Pass
VHT20	MCS 0	1	52	5260	0.05	12.26	23.98	2.00	30.00	Pass
VHT20	MCS 0	1	60	5300	0.05	12.25	23.98	2.00	30.00	Pass
VHT20	MCS 0	1	64	5320	0.05	12.37	23.98	2.00	30.00	Pass
VHT40	MCS 0	1	54	5270	0.11	12.22	23.98	2.00	30.00	Pass
VHT40	MCS 0	1	62	5310	0.11	12.35	23.98	2.00	30.00	Pass
VHT80	MCS 0	1	58	5290	0.28	12.39	23.98	2.00	30.00	Pass

**TEST RESULTS DATA**  
**Power Spectral Density**

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	52	5260	0.05	0.80	11.00	2.00		Pass
11a	6M bps	1	60	5300	0.05	0.80	11.00	2.00		Pass
11a	6M bps	1	64	5320	0.05	0.53	11.00	2.00		Pass
HT20	MCS 0	1	52	5260	0.04	0.50	11.00	2.00		Pass
HT20	MCS 0	1	60	5300	0.04	0.06	11.00	2.00		Pass
HT20	MCS 0	1	64	5320	0.04	-0.01	11.00	2.00		Pass
HT40	MCS 0	1	54	5270	0.08	-2.39	11.00	2.00		Pass
HT40	MCS 0	1	62	5310	0.08	-2.56	11.00	2.00		Pass
VHT80	MCS 0	1	58	5290	0.28	-5.35	11.00	2.00		Pass

**TEST RESULTS DATA**  
**26dB and 99% OBW**

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26 dB Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	Note
11a	6M bps	1	100	5500	18.35	25.75	23.64	29.64	23.98	
11a	6M bps	1	116	5580	18.30	26.10	23.62	29.62	23.98	
11a	6M bps	1	140	5700	18.45	26.30	23.66	29.66	23.98	
HT20	MCS 0	1	100	5500	19.05	25.10	23.80	29.80	23.98	
HT20	MCS 0	1	116	5580	19.05	26.90	23.80	29.80	23.98	
HT20	MCS 0	1	140	5700	19.25	26.20	23.84	29.84	23.98	
HT40	MCS 0	1	102	5510	36.60	45.90	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	36.60	45.72	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	36.70	49.02	23.98	30.00	23.98	
VHT80	MCS 0	1	106	5530	74.88	85.76	23.98	30.00	23.98	
VHT80	MCS 0	1	122	5610	74.76	83.93	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
11a	6M bps	1	100	5500	0.05	10.33	23.98	2.00	30.00	Pass
11a	6M bps	1	116	5580	0.05	10.39	23.98	2.00	30.00	Pass
11a	6M bps	1	140	5700	0.05	10.12	23.98	2.00	30.00	Pass
HT20	MCS 0	1	100	5500	0.04	10.41	23.98	2.00	30.00	Pass
HT20	MCS 0	1	116	5580	0.04	10.46	23.98	2.00	30.00	Pass
HT20	MCS 0	1	140	5700	0.04	10.49	23.98	2.00	30.00	Pass
HT40	MCS 0	1	102	5510	0.08	9.92	23.98	2.00	30.00	Pass
HT40	MCS 0	1	110	5550	0.08	10.49	23.98	2.00	30.00	Pass
HT40	MCS 0	1	134	5670	0.08	10.38	23.98	2.00	30.00	Pass
VHT20	MCS 0	1	100	5500	0.05	10.27	23.98	2.00	30.00	Pass
VHT20	MCS 0	1	116	5580	0.05	10.39	23.98	2.00	30.00	Pass
VHT20	MCS 0	1	140	5700	0.05	10.48	23.98	2.00	30.00	Pass
VHT40	MCS 0	1	102	5510	0.11	9.79	23.98	2.00	30.00	Pass
VHT40	MCS 0	1	110	5550	0.11	10.48	23.98	2.00	30.00	Pass
VHT40	MCS 0	1	134	5670	0.11	10.28	23.98	2.00	30.00	Pass
VHT80	MCS 0	1	106	5530	0.28	10.11	23.98	2.00	30.00	Pass
VHT80	MCS 0	1	122	5610	0.28	10.02	23.98	2.00	30.00	Pass

**TEST RESULTS DATA**  
**Power Spectral Density**

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6M bps	1	100	5500	0.05	-0.61	11.00	2.00		Pass
11a	6M bps	1	116	5580	0.05	-0.37	11.00	2.00		Pass
11a	6M bps	1	140	5700	0.05	-2.02	11.00	2.00		Pass
HT20	MCS 0	1	100	5500	0.04	-0.89	11.00	2.00		Pass
HT20	MCS 0	1	116	5580	0.04	-0.57	11.00	2.00		Pass
HT20	MCS 0	1	140	5700	0.04	-2.26	11.00	2.00		Pass
HT40	MCS 0	1	102	5510	0.08	-4.01	11.00	2.00		Pass
HT40	MCS 0	1	110	5550	0.08	-3.37	11.00	2.00		Pass
HT40	MCS 0	1	134	5670	0.08	-4.55	11.00	2.00		Pass
VHT80	MCS 0	1	106	5530	0.28	-6.83	11.00	2.00		Pass
VHT80	MCS 0	1	122	5610	0.28	-7.28	11.00	2.00		Pass

**TEST RESULTS DATA**  
**26dB and 99% OBW**

Straddle Channel										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	IC 99% Bandwidth Power Limit (dBm)	IC 99% Bandwidth EIRP Limit (dBm)	FCC 26dB Bandwidth Power Limit (dBm)	6dB Emission Bandwidth (MHz)
11a	6Mbps	1	144	5720	18.55	28.65	-	-	-	16.32
				NII-2C	14.35	20.1	22.57	28.57	23.98	13.18
				NII-3	4.2	8.55	30.00	36.02	-	3.14
HT20	MCS0	1	144	5720	19.45	27.15	-	-	-	17.56
				NII-2C	14.8	18.95	22.70	28.70	23.78	13.82
				NII-3	4.65	8.2	30.00	36.02	-	3.74
HT40	MCS0	1	142	5710	36.80	51.47	-	-	-	35.16
				NII-2C	33.5	40.22	23.98	30.00	23.98	32.6
				NII-3	3.3	11.25	30.00	36.02	-	2.56
VHT20	MCS0	1	144	5720	19.45	24.50	-	-	-	17.56
				NII-2C	14.75	17.4	22.69	28.69	23.41	13.82
				NII-3	4.7	7.1	30.00	36.02	-	3.74
VHT40	MCS0	1	142	5710	37.00	48.06	-	-	-	35.12
				NII-2C	33.6	39.84	23.98	30.00	23.98	32.56
				NII-3	3.4	8.22	30.00	36.02	-	2.56
VHT80	MCS0	1	138	5690	74.88	87.04	-	-	-	75.14
				NII-2C	72.56	78.04	23.98	30.00	23.98	72.6
				NII-3	2.32	9	30.00	36.02	-	2.54

**TEST RESULTS DATA**  
**Average Power Table**

FCC Straddle Channel										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)	FCC Conducted Power Limit (dBm)	DG (dBi)		Pass/Fail
11a	6Mbps	1	144	5720	0.05	10.45	-	2.00		Pass
				NII-2C	0.05	9.42	23.98	2.00	Pass	
				NII-3	0.05	3.68	30.00	2.00	Pass	
HT20	MCS0	1	144	5720	0.04	10.41	-	2.00		Pass
				NII-2C	0.04	9.34	23.78	2.00	Pass	
				NII-3	0.04	3.81	30.00	2.00	Pass	
HT40	MCS0	1	142	5710	0.08	10.36	-	2.00		Pass
				NII-2C	0.08	10.05	23.98	2.00	Pass	
				NII-3	0.08	-1.28	30.00	2.00	Pass	
VHT20	MCS0	1	144	5720	0.05	10.31	-	2.00		Pass
				NII-2C	0.05	9.23	23.41	2.00	Pass	
				NII-3	0.05	3.74	30.00	2.00	Pass	
VHT40	MCS0	1	142	5710	0.11	10.23	-	2.00		Pass
				NII-2C	0.11	9.93	23.98	2.00	Pass	
				NII-3	0.11	-1.58	30.00	2.00	Pass	
VHT80	MCS0	1	138	5690	0.28	10.23	-	2.00		Pass
				NII-2C	0.28	10.17	23.98	2.00	Pass	
				NII-3	0.28	-8.48	30.00	2.00	Pass	

**TEST RESULTS DATA**  
**Power Spectral Density**

Straddle Channel										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Power Density (dBm/MHz)	Average PSD Limit (dBm/MHz)	DG (dBi)		Pass/Fail
11a	6Mbps	1	144	NII-2C	0.05	-1.40	11.00	2.00		Pass
				NII-3	0.05	-1.40	30.00	2.00		Pass
HT20	MCS0	1	144	NII-2C	0.04	-1.80	11.00	2.00		Pass
				NII-3	0.04	-1.80	30.00	2.00		Pass
HT40	MCS0	1	142	NII-2C	0.08	-5.00	11.00	2.00		Pass
				NII-3	0.08	-5.00	30.00	2.00		Pass
VHT20	MCS0	1	144	NII-2C	0.05	-1.74	11.00	2.00		Pass
				NII-3	0.05	-1.74	30.00	2.00		Pass
VHT40	MCS0	1	142	NII-2C	0.11	-4.82	11.00	2.00		Pass
				NII-3	0.11	-4.82	30.00	2.00		Pass
VHT80	MCS0	1	138	NII-2C	0.28	-8.17	11.00	2.00		Pass
				NII-3	0.28	-8.17	30.00	2.00		Pass

**TEST RESULTS DATA**  
**Frequency Stability**

Band I										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	50	5	
11a	6Mbps	1	36	5180	5180.050	0.050	9.65	-30	5	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	5	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	5	
11a	6Mbps	1	36	5180	5180.000	0.000	0.00	20	5	

Band II										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	50	5	
11a	6Mbps	1	64	5320	5320.050	0.050	9.40	-30	5	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	5	
11a	6Mbps	1	64	5320	5320.025	0.025	4.70	20	5	
11a	6Mbps	1	64	5320	5320.000	0.000	0.00	20	5	

Band III										
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Center Frequency (MHz)	Frequency Deviation (MHz)	Frequency Stability (ppm)	Temperature (°C)	Voltage (V)	Note
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	50	5	
11a	6Mbps	1	100	5500	5500.050	0.050	9.09	-30	5	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	5	
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	20	5	
11a	6Mbps	1	100	5500	5500.000	0.000	0.00	20	5	



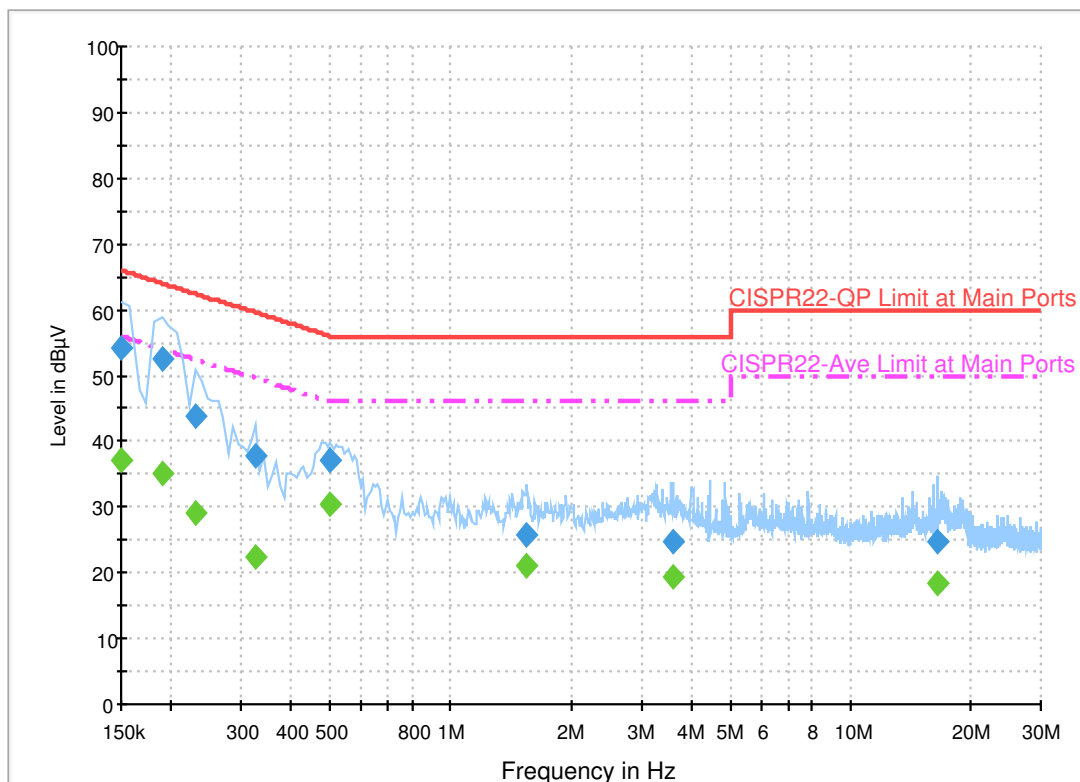
## Appendix B. AC Conducted Emission Test Results

Test Engineer :	Kai-Chun Chu	Temperature :	21~24°C
		Relative Humidity :	51~53%

# EUT Information

Report NO : W164257  
 Test Mode : Mode 1  
 Test Voltage : Power Form System  
 Phase : Line

ENV216 Auto Test-L



## Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	54.2	Off	L1	19.6	11.8	66.0
0.190000	52.5	Off	L1	19.5	11.5	64.0
0.230000	43.8	Off	L1	19.5	18.6	62.4
0.326000	37.8	Off	L1	19.5	21.8	59.6
0.502000	37.1	Off	L1	19.5	18.9	56.0
1.550000	25.8	Off	L1	19.5	30.2	56.0
3.598000	24.9	Off	L1	19.6	31.1	56.0
16.574000	24.9	Off	L1	19.7	35.1	60.0

## Final Result 2

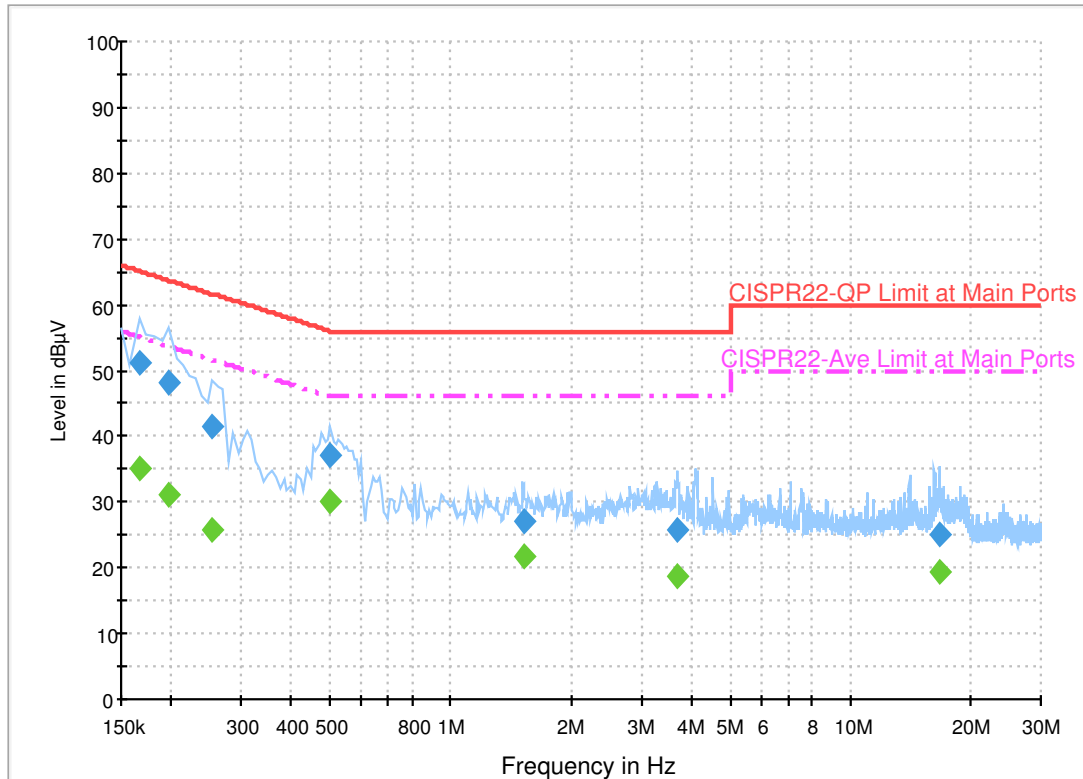
Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	37.0	Off	L1	19.6	19.0	56.0
0.190000	35.1	Off	L1	19.5	18.9	54.0
0.230000	29.0	Off	L1	19.5	23.4	52.4
0.326000	22.4	Off	L1	19.5	27.2	49.6
0.502000	30.5	Off	L1	19.5	15.5	46.0
1.550000	21.1	Off	L1	19.5	24.9	46.0
3.598000	19.2	Off	L1	19.6	26.8	46.0
16.574000	18.5	Off	L1	19.7	31.5	50.0



# EUT Information

Report NO : W164257  
 Test Mode : Mode 1  
 Test Voltage : Power Form System  
 Phase : Neutral

ENV216 Auto Test-N



## Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	51.2	Off	N	19.5	14.0	65.2
0.198000	48.2	Off	N	19.5	15.5	63.7
0.254000	41.5	Off	N	19.5	20.1	61.6
0.502000	37.2	Off	N	19.5	18.8	56.0
1.526000	27.0	Off	N	19.5	29.0	56.0
3.694000	25.7	Off	N	19.6	30.3	56.0
16.686000	24.9	Off	N	19.8	35.1	60.0

## Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	35.1	Off	N	19.5	20.1	55.2
0.198000	31.3	Off	N	19.5	22.4	53.7
0.254000	25.8	Off	N	19.5	25.8	51.6
0.502000	30.0	Off	N	19.5	16.0	46.0
1.526000	21.8	Off	N	19.5	24.2	46.0
3.694000	18.8	Off	N	19.6	27.2	46.0
16.686000	19.3	Off	N	19.8	30.7	50.0



## Appendix C. Radiated Spurious Emission

Test Engineer :	Alex Jeng, Bill Chang, and Wilson Wu	Temperature :	24~25°C
		Relative Humidity :	48~50%

Band 1 - 5150~5250MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 36 5180MHz		5145.34	57.66	-16.34	74	46.12	31.62	10.48	30.56	183	0	P	H	
		5150	50.91	-3.09	54	39.37	31.62	10.48	30.56	183	0	A	H	
	*	5180	110.06	-	-	98.42	31.65	10.55	30.56	183	0	P	H	
	*	5180	101.57	-	-	89.93	31.65	10.55	30.56	183	0	A	H	
													H	
													H	
			5149.5	55.92	-18.08	74	44.38	31.62	10.48	30.56	200	16	P	V
			5150	48.5	-5.5	54	36.96	31.62	10.48	30.56	200	16	A	V
	*		5180	105.52	-	-	93.88	31.65	10.55	30.56	200	16	P	V
	*		5180	98.53	-	-	86.89	31.65	10.55	30.56	200	16	A	V
													V	
													V	
802.11a CH 44 5220MHz		5116.48	53.62	-20.38	74	42.17	31.59	10.42	30.56	166	0	P	H	
		5023.66	44.17	-9.83	54	32.93	31.53	10.25	30.54	166	0	A	H	
	*	5220	110.06	-	-	99.45	31.67	9.51	30.57	166	0	P	H	
	*	5220	101.53	-	-	90.92	31.67	9.51	30.57	166	0	A	H	
			5404.56	53	-21	74	40.77	31.82	11.01	30.6	166	0	P	H
			5405.96	43.69	-10.31	54	31.46	31.82	11.01	30.6	166	0	A	H
			5033.54	53.19	-20.81	74	41.95	31.53	10.25	30.54	226	13	P	V
			5032.5	43.08	-10.92	54	31.84	31.53	10.25	30.54	226	13	A	V
	*		5220	105.96	-	-	95.35	31.67	9.51	30.57	226	13	P	V
	*		5220	98.08	-	-	87.47	31.67	9.51	30.57	226	13	A	V
			5415.48	51.33	-22.67	74	39.1	31.83	11	30.6	226	13	P	V
			5416.04	42.12	-11.88	54	29.89	31.83	11	30.6	226	13	A	V



<b>802.11a CH 48 5240MHz</b>		5141.18	52.33	-21.67	74	40.79	31.62	10.48	30.56	177	0	P	H
		5043.94	44.22	-9.78	54	32.94	31.54	10.29	30.55	177	0	A	H
	*	5240	109.31	-	-	98.56	31.69	9.64	30.58	177	0	P	H
	*	5240	101.45	-	-	90.7	31.69	9.64	30.58	177	0	A	H
		5429.2	52.11	-21.89	74	39.87	31.85	10.99	30.6	177	0	P	H
		5426.96	43.58	-10.42	54	31.35	31.83	11	30.6	177	0	A	H
		5044.98	51.67	-22.33	74	40.39	31.54	10.29	30.55	224	12	P	V
		5052.78	43.14	-10.86	54	31.86	31.54	10.29	30.55	224	12	A	V
	*	5240	105.87	-	-	95.12	31.69	9.64	30.58	224	12	P	V
	*	5240	97.98	-	-	87.23	31.69	9.64	30.58	224	12	A	V
		5445.72	51.05	-22.95	74	38.81	31.86	10.98	30.6	224	12	P	V
		5426.96	42.39	-11.61	54	30.16	31.83	11	30.6	224	12	A	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11a CH 36 5180MHz		10360	47.63	-20.57	68.2	58.2	39.59	15.04	65.2	100	0	P	H
		15540	44.72	-29.28	74	51.81	38.75	18.14	63.98	100	0	P	H
													H
													H
		10360	51.17	-17.03	68.2	61.74	39.59	15.04	65.2	168	311	P	V
		15540	43.35	-30.65	74	50.44	38.75	18.14	63.98	100	0	P	V
													V
													V
802.11a CH 44 5220MHz		10440	50.75	-17.45	68.2	61.21	39.69	15.05	65.2	100	0	P	H
		15660	41.76	-32.24	74	49.19	38.58	18.23	64.24	100	0	P	H
													H
													H
		10440	51.25	-16.95	68.2	61.71	39.69	15.05	65.2	100	0	P	V
		15660	41.36	-32.64	74	48.79	38.58	18.23	64.24	100	0	P	V
													V
													V
802.11a CH 48 5240MHz		10480	51.89	-16.31	68.2	62.27	39.77	15.05	65.2	100	0	P	H
		15720	42.53	-31.47	74	50.14	38.49	18.29	64.39	100	0	P	H
													H
													H
		10480	51.57	-16.63	68.2	61.95	39.77	15.05	65.2	100	0	P	V
		15720	42.84	-31.16	74	50.45	38.49	18.29	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 1 5150~5250MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11n HT20 CH 36 5180MHz		5149.24	61.77	-12.23	74	50.23	31.62	10.48	30.56	182	0	P	H	
		5150	52.82	-1.18	54	41.28	31.62	10.48	30.56	182	0	A	H	
	*	5180	109.8	-	-	98.16	31.65	10.55	30.56	182	0	P	H	
	*	5180	101.88	-	-	90.24	31.65	10.55	30.56	182	0	A	H	
													H	
													H	
			5149.5	58.52	-15.48	74	46.98	31.62	10.48	30.56	214	15	P	V
			5150	50.01	-3.99	54	38.47	31.62	10.48	30.56	214	15	A	V
		*	5180	106.59	-	-	94.95	31.65	10.55	30.56	214	15	P	V
		*	5180	98.69	-	-	87.05	31.65	10.55	30.56	214	15	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5118.82	54.3	-19.7	74	42.85	31.59	10.42	30.56	165	0	P	H	
		5023.14	44.18	-9.82	54	32.94	31.53	10.25	30.54	165	0	A	H	
		* 5220	109.53	-	-	98.92	31.67	9.51	30.57	165	0	P	H	
		* 5220	101.03	-	-	90.42	31.67	9.51	30.57	165	0	A	H	
			5413.24	51.86	-22.14	74	39.63	31.83	11	30.6	165	0	P	H
			5407.08	43.96	-10.04	54	31.73	31.82	11.01	30.6	165	0	A	H
			5071.76	51.66	-22.34	74	40.29	31.57	10.35	30.55	236	14	P	V
			5032.76	42.89	-11.11	54	31.65	31.53	10.25	30.54	236	14	A	V
		*	5220	105.6	-	-	94.99	31.67	9.51	30.57	236	14	P	V
		*	5220	97.7	-	-	87.09	31.67	9.51	30.57	236	14	A	V
		5407.08	51.45	-22.55	74	39.22	31.82	11.01	30.6	236	14	P	V	
		5407.08	42.31	-11.69	54	30.08	31.82	11.01	30.6	236	14	A	V	



<b>802.11n</b>  <b>HT20</b>  <b>CH 48</b>  <b>5240MHz</b>		5055.9	54.07	-19.93	74	42.75	31.55	10.32	30.55	179	0	P	H
		5042.64	44.22	-9.78	54	32.94	31.54	10.29	30.55	179	0	A	H
	*	5240	109.1	-	-	98.35	31.69	9.64	30.58	179	0	P	H
	*	5240	101.13	-	-	90.38	31.69	9.64	30.58	179	0	A	H
		5438.16	52.37	-21.63	74	40.13	31.85	10.99	30.6	179	0	P	H
		5426.96	43.6	-10.4	54	31.37	31.83	11	30.6	179	0	A	H
		5147.68	51.79	-22.21	74	40.25	31.62	10.48	30.56	224	14	P	V
		5052.78	43.18	-10.82	54	31.9	31.54	10.29	30.55	224	14	A	V
	*	5240	106.31	-	-	95.56	31.69	9.64	30.58	224	14	P	V
	*	5240	97.83	-	-	87.08	31.69	9.64	30.58	224	14	A	V
		5447.4	50.84	-23.16	74	38.6	31.86	10.98	30.6	224	14	P	V
		5426.96	42.48	-11.52	54	30.25	31.83	11	30.6	224	14	A	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11n HT20 CH 36 5180MHz		10360	49.87	-18.33	68.2	60.44	39.59	15.04	65.2	100	0	P	H	
		15540	43.48	-30.52	74	50.57	38.75	18.14	63.98	100	0	P	H	
													H	
													H	
			10360	49.73	-18.47	68.2	60.3	39.59	15.04	65.2	100	0	P	V
			15540	43.5	-30.5	74	50.59	38.75	18.14	63.98	100	0	P	V
														V
802.11n HT20 CH 44 5220MHz		10440	50.8	-17.4	68.2	61.26	39.69	15.05	65.2	100	0	P	H	
		15660	42.98	-31.02	74	50.41	38.58	18.23	64.24	100	0	P	H	
													H	
													H	
			10440	51.27	-16.93	68.2	61.73	39.69	15.05	65.2	100	0	P	V
			15660	42.78	-31.22	74	50.21	38.58	18.23	64.24	100	0	P	V
														V
802.11n HT20 CH 48 5240MHz		10480	51	-17.2	68.2	61.38	39.77	15.05	65.2	100	0	P	H	
		15720	43.4	-30.6	74	51.01	38.49	18.29	64.39	100	0	P	H	
													H	
													H	
			10480	51.93	-16.27	68.2	62.31	39.77	15.05	65.2	100	0	P	V
			15720	42.71	-31.29	74	50.32	38.49	18.29	64.39	100	0	P	V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



Band 1 5150~5250MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 38 5190MHz		5146.9	61.93	-12.07	74	50.39	31.62	10.48	30.56	179	14	P	H
		5150	53.46	-0.54	54	41.92	31.62	10.48	30.56	179	14	A	H
	*	5190	102.55	-	-	90.92	31.65	10.55	30.57	179	14	P	H
	*	5190	94.28	-	-	82.65	31.65	10.55	30.57	179	14	A	H
		5386.36	51.25	-22.75	74	39.16	31.81	10.87	30.59	179	14	P	H
		5394.48	41.46	-12.54	54	29.38	31.81	10.87	30.6	179	14	A	H
		5149.24	56.98	-17.02	74	45.44	31.62	10.48	30.56	100	319	P	V
		5150.02	47.15	-102.85	150	35.61	31.62	10.48	30.56	100	319	A	V
	*	5190	94.9	-	-	83.27	31.65	10.55	30.57	100	319	P	V
	*	5190	87.24	-	-	75.61	31.65	10.55	30.57	100	319	A	V
		5456.64	50.44	-23.56	74	38.2	31.86	10.98	30.6	100	319	P	V
		5459.72	41.1	-12.9	54	28.86	31.86	10.98	30.6	100	319	A	V
802.11n HT40 CH 46 5230MHz		5133.38	52.76	-21.24	74	41.26	31.61	10.45	30.56	203	13	P	H
		5150	44.62	-9.38	54	33.08	31.62	10.48	30.56	203	13	A	H
	*	5230	106.27	-	-	95.51	31.69	9.64	30.57	203	13	P	H
	*	5230	97.79	-	-	87.03	31.69	9.64	30.57	203	13	A	H
		5414.08	52.12	-21.88	74	39.89	31.83	11	30.6	203	13	P	H
		5410.72	42.68	-11.32	54	30.45	31.82	11.01	30.6	203	13	A	H
		5099.32	52.21	-21.79	74	40.79	31.58	10.39	30.55	222	13	P	V
		5127.4	42.89	-11.11	54	31.39	31.61	10.45	30.56	222	13	A	V
	*	5230	102.34	-	-	91.58	31.69	9.64	30.57	222	13	P	V
	*	5230	93.87	-	-	83.11	31.69	9.64	30.57	222	13	A	V
	5426.96	51.14	-22.86	74	38.91	31.83	11	30.6	222	13	P	V	
	5433.68	41.38	-12.62	54	29.14	31.85	10.99	30.6	222	13	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





Band 1 5150~5250MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11n HT40 CH 38 5190MHz		10380	49.74	-24.26	74	60.29	39.61	15.04	65.2	100	0	P	H	
		15570	42.98	-31.02	74	50.16	38.7	18.17	64.05	100	0	P	H	
													H	
													H	
			10380	53.23	-20.77	74	63.78	39.61	15.04	65.2	173	317	P	V
			10380	49.87	-4.13	54	60.42	39.61	15.04	65.2	173	317	A	V
			15570	43.25	-30.75	74	50.43	38.7	18.17	64.05	100	0	P	V
802.11n HT40 CH 46 5230MHz													V	
			10460	49.07	-24.93	74	59.5	39.72	15.05	65.2	100	0	P	H
			15690	44.19	-29.81	74	51.72	38.53	18.26	64.32	100	0	P	H
													H	
													H	
			10460	54.09	-19.91	74	64.52	39.72	15.05	65.2	180	322	P	V
			10460	51.51	-2.49	54	61.94	39.72	15.05	65.2	180	322	A	V
		15690	43.79	-30.21	74	51.32	38.53	18.26	64.32	100	0	P	V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 42 5210MHz		5149.76	60.46	-13.54	74	48.92	31.62	10.48	30.56	179	13	P	H
		5149.5	52.71	-1.29	54	41.17	31.62	10.48	30.56	179	13	A	H
	*	5210	96.12	-	-	85.51	31.67	9.51	30.57	179	13	P	H
	*	5210	88.65	-	-	78.04	31.67	9.51	30.57	179	13	A	H
		5394.2	50.58	-23.42	74	38.5	31.81	10.87	30.6	179	13	P	H
		5454.96	43.45	-10.55	54	31.21	31.86	10.98	30.6	179	13	A	H
		5138.32	56.6	-17.4	74	45.1	31.61	10.45	30.56	238	13	P	V
		5149.76	49.9	-4.1	54	38.36	31.62	10.48	30.56	238	13	A	V
	*	5210	91.04	-	-	80.43	31.67	9.51	30.57	238	13	P	V
	*	5210	83.02	-	-	72.41	31.67	9.51	30.57	238	13	A	V
		5450.48	50.61	-23.39	74	38.37	31.86	10.98	30.6	238	13	P	V
	5446.56	43.43	-10.57	54	31.19	31.86	10.98	30.6	238	13	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 1 5150~5250MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 42 5210MHz		10420	50.42	-17.78	68.2	60.91	39.67	15.04	65.2	100	0	P	H	
		15630	42.77	-31.23	74	50.14	38.61	18.22	64.2	100	0	P	H	
													H	
													H	
			10420	51.64	-16.56	68.2	62.13	39.67	15.04	65.2	100	0	P	V
			15630	42.35	-31.65	74	49.72	38.61	18.22	64.2	100	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 - 5250~5350MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.	
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	(P/A)	(H/V)
802.11a CH 52 5260MHz		5064.75	53.08	-20.92	74	41.76	31.55	10.32	30.55	139	0	P	H
		5072.45	44.25	-9.75	54	32.88	31.57	10.35	30.55	139	0	A	H
	*	5260	110.07	-	-	99.02	31.71	9.92	30.58	139	0	P	H
	*	5260	102	-	-	90.95	31.71	9.92	30.58	139	0	A	H
		5455.2	53.39	-20.61	74	41.15	31.86	10.98	30.6	139	0	P	H
		5458.56	44.09	-9.91	54	31.85	31.86	10.98	30.6	139	0	A	H
		5000.35	51.57	-22.43	74	40.42	31.5	10.19	30.54	234	14	P	V
		5073.15	43.15	-10.85	54	31.78	31.57	10.35	30.55	234	14	A	V
	*	5260	106.81	-	-	95.76	31.71	9.92	30.58	234	14	P	V
	*	5260	98.44	-	-	87.39	31.71	9.92	30.58	234	14	A	V
		5445.84	50.84	-23.16	74	38.6	31.86	10.98	30.6	234	14	P	V
		5457.84	42.36	-11.64	54	30.12	31.86	10.98	30.6	234	14	A	V
802.11a CH 60 5300MHz		5020.65	52	-22	74	40.76	31.53	10.25	30.54	159	0	P	H
		5114.45	44.01	-9.99	54	32.56	31.59	10.42	30.56	159	0	A	H
	*	5300	110.74	-	-	99.39	31.74	10.19	30.58	159	0	P	H
	*	5300	102.69	-	-	91.34	31.74	10.19	30.58	159	0	A	H
		5350.8	59.7	-14.3	74	47.91	31.78	10.6	30.59	159	0	P	H
		5352.24	49.26	-4.74	54	37.47	31.78	10.6	30.59	159	0	A	H
		5020.65	52	-22	74	40.76	31.53	10.25	30.54	234	14	P	V
		5114.45	42.94	-11.06	54	31.49	31.59	10.42	30.56	234	14	A	V
	*	5300	106.93	-	-	95.58	31.74	10.19	30.58	234	14	P	V
	*	5300	98.97	-	-	87.62	31.74	10.19	30.58	234	14	A	V
		5350.08	55.99	-18.01	74	44.2	31.78	10.6	30.59	234	14	P	V
		5352.24	45.55	-8.45	54	33.76	31.78	10.6	30.59	234	14	A	V



<b>802.11a CH 64 5320MHz</b>	*	5320	110.56	-	-	99.07	31.75	10.33	30.59	138	0	P	H
	*	5320	101.13	-	-	89.64	31.75	10.33	30.59	138	0	A	H
		5350.56	65.27	-8.73	74	53.48	31.78	10.6	30.59	138	0	P	H
		5350.08	52.87	-1.13	54	41.08	31.78	10.6	30.59	138	0	A	H
													H
													H
	*	5320	106.09	-	-	94.6	31.75	10.33	30.59	231	13	P	V
	*	5320	97.67	-	-	86.18	31.75	10.33	30.59	231	13	A	V
		5350.72	59.56	-14.44	74	47.77	31.78	10.6	30.59	231	13	P	V
		5350.08	49.41	-4.59	54	37.62	31.78	10.6	30.59	231	13	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11a CH 52 5260MHz		10520	50.84	-17.36	68.2	61.16	39.82	15.06	65.2	100	0	P	H
		15780	42.02	-31.98	74	49.79	38.41	18.33	64.51	100	0	P	H
													H
													H
		10520	51.04	-17.16	68.2	61.36	39.82	15.06	65.2	100	0	P	V
		15780	42.64	-31.36	74	50.41	38.41	18.33	64.51	100	0	P	V
													V
													V
802.11a CH 60 5300MHz		10600	52.91	-21.09	74	63.1	39.92	15.07	65.18	153	4	P	H
		10600	48.84	-5.16	54	59.03	39.92	15.07	65.18	153	4	A	H
		15900	43.7	-30.3	74	51.8	38.24	18.43	64.77	100	0	P	H
													H
		10600	52.39	-21.61	74	62.58	39.92	15.07	65.18	100	1	P	V
		10600	49.22	-4.78	54	59.41	39.92	15.07	65.18	100	1	A	V
		15900	42.33	-31.67	74	50.43	38.24	18.43	64.77	100	0	P	V
													V
802.11a CH 64 5320MHz		10640	50.45	-23.55	74	60.57	39.97	15.08	65.17	150	7	P	H
		10640	46.91	-7.09	54	57.03	39.97	15.08	65.17	150	7	A	H
		15960	41.98	-32.02	74	50.27	38.15	18.48	64.92	100	0	P	H
													H
		10640	48.84	-25.16	74	58.96	39.97	15.08	65.17	100	0	P	V
		15960	43.32	-30.68	74	51.61	38.15	18.48	64.92	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		5071.05	53.04	-20.96	74	41.72	31.55	10.32	30.55	139	0	P	H
		5072.8	44.18	-9.82	54	32.81	31.57	10.35	30.55	139	0	A	H
	*	5260	109.67	-	-	98.62	31.71	9.92	30.58	139	0	P	H
	*	5260	101.69	-	-	90.64	31.71	9.92	30.58	139	0	A	H
		5455.2	52.76	-21.24	74	40.52	31.86	10.98	30.6	139	0	P	H
		5444.64	44.14	-9.86	54	31.9	31.85	10.99	30.6	139	0	A	H
		5062.65	51.5	-22.5	74	40.18	31.55	10.32	30.55	235	13	P	V
		5071.75	43.19	-10.81	54	31.82	31.57	10.35	30.55	235	13	A	V
	*	5260	107.13	-	-	96.08	31.71	9.92	30.58	235	13	P	V
	*	5260	98.18	-	-	87.13	31.71	9.92	30.58	235	13	A	V
		5450.64	52.38	-21.62	74	40.14	31.86	10.98	30.6	235	13	P	V
		5459.28	42.48	-11.52	54	30.24	31.86	10.98	30.6	235	13	A	V
802.11n HT20 CH 60 5300MHz		5114.8	52.94	-21.06	74	41.49	31.59	10.42	30.56	156	0	P	H
		5113.05	43.96	-10.04	54	32.51	31.59	10.42	30.56	156	0	A	H
	*	5300	111.07	-	-	99.72	31.74	10.19	30.58	156	0	P	H
	*	5300	102.49	-	-	91.14	31.74	10.19	30.58	156	0	A	H
		5351.04	58.63	-15.37	74	46.84	31.78	10.6	30.59	156	0	P	H
		5351.76	50.32	-3.68	54	38.53	31.78	10.6	30.59	156	0	A	H
		5114.8	52.41	-21.59	74	40.96	31.59	10.42	30.56	220	14	P	V
		5103.95	42.96	-11.04	54	31.54	31.58	10.39	30.55	220	14	A	V
	*	5300	106.76	-	-	95.41	31.74	10.19	30.58	220	14	P	V
	*	5300	98.67	-	-	87.32	31.74	10.19	30.58	220	14	A	V
	5351.52	53.48	-20.52	74	41.69	31.78	10.6	30.59	220	14	P	V	
	5351.52	46.54	-7.46	54	34.75	31.78	10.6	30.59	220	14	A	V	



<b>802.11n</b>  <b>HT20</b>  <b>CH 64</b>  <b>5320MHz</b>	*	5320	109.48	-	-	97.99	31.75	10.33	30.59	149	0	P	H
	*	5320	100.82	-	-	89.33	31.75	10.33	30.59	149	0	A	H
		5351.2	63.14	-10.86	74	51.35	31.78	10.6	30.59	149	0	P	H
		5350.08	53.32	-0.68	54	41.53	31.78	10.6	30.59	149	0	A	H
													H
													H
	*	5320	105.33	-	-	93.84	31.75	10.33	30.59	234	11	P	V
	*	5320	97.3	-	-	85.81	31.75	10.33	30.59	234	11	A	V
		5350.24	60.17	-13.83	74	48.38	31.78	10.6	30.59	234	11	P	V
		5350.08	49.26	-4.74	54	37.47	31.78	10.6	30.59	234	11	A	V
													V
													V
<b>Remark</b>	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	50.16	-18.04	68.2	60.48	39.82	15.06	65.2	100	0	P	H	
		15780	42.69	-31.31	74	50.46	38.41	18.33	64.51	100	0	P	H	
													H	
													H	
			10520	51.12	-17.08	68.2	61.44	39.82	15.06	65.2	100	0	P	V
			15780	41.66	-32.34	74	49.43	38.41	18.33	64.51	100	0	P	V
														V
802.11n HT20 CH 60 5300MHz		10600	56.41	-17.59	74	66.6	39.92	15.07	65.18	183	347	P	H	
		10600	52.39	-1.61	54	62.58	39.92	15.07	65.18	183	347	A	H	
		15900	41.87	-32.13	74	49.97	38.24	18.43	64.77	100	0	P	H	
													H	
			10600	53.34	-20.66	74	63.53	39.92	15.07	65.18	100	1	P	V
			10600	48.98	-5.02	54	59.17	39.92	15.07	65.18	100	1	A	V
			15900	43.74	-30.26	74	51.84	38.24	18.43	64.77	100	0	P	V
802.11n HT20 CH 64 5320MHz		10640	50.49	-23.51	74	60.61	39.97	15.08	65.17	100	0	P	H	
		15960	42.49	-31.51	74	50.78	38.15	18.48	64.92	100	0	P	H	
													H	
													H	
			10640	49.71	-24.29	74	59.83	39.97	15.08	65.17	100	0	P	V
			15960	43.14	-30.86	74	51.43	38.15	18.48	64.92	100	0	P	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		5091.7	51.65	-22.35	74	40.23	31.58	10.39	30.55	190	0	P	H
		5090.65	42.88	-11.12	54	31.46	31.58	10.39	30.55	190	0	A	H
	*	5270	107.12	-	-	96.07	31.71	9.92	30.58	190	0	P	H
	*	5270	98.33	-	-	87.28	31.71	9.92	30.58	190	0	A	H
		5359.2	57.5	-16.5	74	45.71	31.78	10.6	30.59	190	0	P	H
		5352.48	47.49	-6.51	54	35.7	31.78	10.6	30.59	190	0	A	H
		5088.2	51.15	-22.85	74	39.78	31.57	10.35	30.55	234	12	P	V
		5066.85	42.48	-11.52	54	31.16	31.55	10.32	30.55	234	12	A	V
	*	5270	103.25	-	-	92.2	31.71	9.92	30.58	234	12	P	V
	*	5270	94.62	-	-	83.57	31.71	9.92	30.58	234	12	A	V
		5350.8	51.61	-22.39	74	39.82	31.78	10.6	30.59	234	12	P	V
		5350.08	43.51	-10.49	54	31.72	31.78	10.6	30.59	234	12	A	V
802.11n HT40 CH 62 5310MHz		5106.75	52.43	-21.57	74	40.97	31.59	10.42	30.55	174	14	P	H
		5106.05	42.16	-11.84	54	30.7	31.59	10.42	30.55	174	14	A	H
	*	5310	103.35	-	-	91.85	31.75	10.33	30.58	174	14	P	H
	*	5310	95.06	-	-	83.56	31.75	10.33	30.58	174	14	A	H
		5352.48	62.55	-11.45	74	50.76	31.78	10.6	30.59	174	14	P	H
		5350.08	52.57	-1.43	54	40.78	31.78	10.6	30.59	174	14	A	H
		5047.6	51.31	-22.69	74	40.03	31.54	10.29	30.55	243	10	P	V
		5057.05	41.91	-12.09	54	30.59	31.55	10.32	30.55	243	10	A	V
	*	5310	98.99	-	-	87.49	31.75	10.33	30.58	243	10	P	V
	*	5310	90.9	-	-	79.4	31.75	10.33	30.58	243	10	A	V
	5352.48	57.95	-16.05	74	46.16	31.78	10.6	30.59	243	10	P	V	
	5350.08	48.08	-5.92	54	36.29	31.78	10.6	30.59	243	10	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	49.58	-24.42	74	59.87	39.84	15.06	65.19	100	0	P	H	
		15810	43.33	-30.67	74	51.18	38.37	18.36	64.58	100	0	P	H	
													H	
													H	
			10540	50.81	-23.19	74	61.1	39.84	15.06	65.19	100	21	P	V
			10540	46.79	-7.21	54	57.08	39.84	15.06	65.19	100	21	A	V
			15810	42.43	-31.57	74	50.28	38.37	18.36	64.58	100	0	P	V
802.11n HT40 CH 62 5310MHz													V	
			10620	51.68	-22.32	74	61.85	39.94	15.07	65.18	183	353	P	H
			10620	49.05	-4.95	54	59.22	39.94	15.07	65.18	183	353	A	H
			15930	43.26	-30.74	74	51.46	38.2	18.45	64.85	100	0	P	H
														H
			10620	50.62	-23.38	74	60.79	39.94	15.07	65.18	106	20	P	V
			10620	46.23	-7.77	54	56.4	39.94	15.07	65.18	106	20	A	V
		15930	42.02	-31.98	74	50.22	38.2	18.45	64.85	100	0	P	V	
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 58 5290MHz		5101.5	52.29	-21.71	74	40.87	31.58	10.39	30.55	199	9	P	H
		5044.8	44.32	-9.68	54	33.04	31.54	10.29	30.55	199	9	A	H
	*	5290	99.91	-	-	88.71	31.73	10.05	30.58	199	9	P	H
	*	5290	92.09	-	-	80.89	31.73	10.05	30.58	199	9	A	H
		5354.88	62.21	-11.79	74	50.42	31.78	10.6	30.59	199	9	P	H
		5355.12	53.56	-0.44	54	41.77	31.78	10.6	30.59	199	9	A	H
		5022.75	52.36	-21.64	74	41.12	31.53	10.25	30.54	254	2	P	V
		5057.4	44.12	-9.88	54	32.8	31.55	10.32	30.55	254	2	A	V
	*	5290	94.9	-	-	83.7	31.73	10.05	30.58	254	2	P	V
	*	5290	87.21	-	-	76.01	31.73	10.05	30.58	254	2	A	V
		5351.76	56.23	-17.77	74	44.44	31.78	10.6	30.59	254	2	P	V
	5355.36	49.13	-4.87	54	37.34	31.78	10.6	30.59	254	2	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 2 5250~5350MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 58 5290MHz		10580	51.08	-22.92	74	61.29	39.9	15.07	65.18	100	356	P	H	
		10580	47.95	-6.05	54	58.16	39.9	15.07	65.18	100	356	A	H	
		15870	42.27	-31.73	74	50.32	38.27	18.41	64.73	100	0	P	H	
													H	
			10580	54.58	-19.42	74	64.79	39.9	15.07	65.18	178	325	P	V
			10580	52.55	-1.45	54	62.76	39.9	15.07	65.18	178	325	A	V
			15870	40.74	-33.26	74	48.79	38.27	18.41	64.73	100	0	P	V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 100 5500MHz		5469.68	68.69	-5.31	74	56.46	31.87	10.97	30.61	137	0	P	H	
		5470	53.22	-0.78	54	40.99	31.87	10.97	30.61	137	0	A	H	
	*	5500	109.12	-	-	96.88	31.9	10.95	30.61	137	0	P	H	
	*	5500	101.46	-	-	89.22	31.9	10.95	30.61	137	0	A	H	
													H	
													H	
			5470	65.64	-8.36	74	53.41	31.87	10.97	30.61	213	0	P	V
			5470	50.54	-3.46	54	38.31	31.87	10.97	30.61	213	0	A	V
	*		5500	106.11	-	-	93.87	31.9	10.95	30.61	213	0	P	V
	*		5500	98.12	-	-	85.88	31.9	10.95	30.61	213	0	A	V
														V
														V
802.11a CH 116 5580MHz		5393.92	53.02	-20.98	74	40.94	31.81	10.87	30.6	134	12	P	H	
		5393.2	44.76	-9.24	54	32.68	31.81	10.87	30.6	134	12	A	H	
	*	5580	110.77	-	-	98.5	32	10.91	30.64	134	12	P	H	
	*	5580	102.63	-	-	90.36	32	10.91	30.64	134	12	A	H	
			5730.35	51.74	-22.26	74	39.17	32.21	11.07	30.71	134	12	P	H
			5765	44.33	-9.67	54	31.68	32.26	11.13	30.74	134	12	A	H
			5389.12	51.54	-22.46	74	39.46	31.81	10.87	30.6	205	0	P	V
			5392.48	42.62	-11.38	54	30.54	31.81	10.87	30.6	205	0	A	V
	*		5580	106.97	-	-	94.7	32	10.91	30.64	205	0	P	V
	*		5580	98.8	-	-	86.53	32	10.91	30.64	205	0	A	V
			5727.83	50.51	-23.49	74	37.94	32.21	11.07	30.71	205	0	P	V
			5765	42.89	-11.11	54	30.24	32.26	11.13	30.74	205	0	A	V



<b>802.11a</b> <b>CH 140</b> <b>5700MHz</b>	*	5700	109.21	-	-	96.72	32.17	11.02	30.7	116	11	P	H
	*	5700	100.59	-	-	88.1	32.17	11.02	30.7	116	11	A	H
		5726.04	63.53	-10.47	74	50.96	32.21	11.07	30.71	116	11	P	H
		5725	52.65	-1.35	54	40.08	32.21	11.07	30.71	116	11	A	H
													H
													H
	*	5700	104.26	-	-	91.77	32.17	11.02	30.7	222	0	P	V
	*	5700	96.37	-	-	83.88	32.17	11.02	30.7	222	0	A	V
		5725	57.58	-16.42	74	45.01	32.21	11.07	30.71	222	0	P	V
		5725	48.91	-5.09	54	36.34	32.21	11.07	30.71	222	0	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11a CH 100 5500MHz		11000	48.3	-25.7	74	57.87	40.4	15.13	65.1	100	0	P	H
		16500	44.7	-29.3	74	51.38	39.5	18.92	65.1	100	0	P	H
													H
													H
		11000	47.21	-26.79	74	56.78	40.4	15.13	65.1	100	0	P	V
		16500	44.8	-29.2	74	51.48	39.5	18.92	65.1	100	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	47.7	-26.3	74	57.37	40.37	15.16	65.2	100	0	P	H
		16740	43.52	-30.48	74	49.42	39.84	19.12	64.86	100	0	P	H
													H
													H
		11160	47.76	-26.24	74	57.43	40.37	15.16	65.2	100	0	P	V
		16740	44.2	-29.8	74	50.1	39.84	19.12	64.86	100	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	47.89	-26.11	74	57.72	40.32	15.19	65.34	100	0	P	H
		17100	47.95	-26.05	74	52.42	40.58	19.41	64.46	100	0	P	H
													H
													H
		11400	46.08	-27.92	74	55.91	40.32	15.19	65.34	100	0	P	V
		17100	48.17	-25.83	74	52.64	40.58	19.41	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.												





Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11n HT20 CH 100 5500MHz		5470	66.73	-7.27	74	54.5	31.87	10.97	30.61	138	0	P	H	
		5470	52.55	-1.45	54	40.32	31.87	10.97	30.61	138	0	A	H	
	*	5500	109.02	-	-	96.78	31.9	10.95	30.61	138	0	P	H	
	*	5500	100.56	-	-	88.32	31.9	10.95	30.61	138	0	A	H	
													H	
													H	
			5464.72	58.81	-15.19	74	46.58	31.87	10.97	30.61	212	0	P	V
			5470	49.37	-4.63	54	37.14	31.87	10.97	30.61	212	0	A	V
		*	5500	104.51	-	-	92.27	31.9	10.95	30.61	212	0	P	V
		*	5500	96.86	-	-	84.62	31.9	10.95	30.61	212	0	A	V
													V	
													V	
802.11n HT20 CH 116 5580MHz		5383.84	53.25	-20.75	74	41.16	31.81	10.87	30.59	129	0	P	H	
		5381.92	44.69	-9.31	54	32.6	31.81	10.87	30.59	129	0	A	H	
	*	5580	109.83	-	-	97.56	32	10.91	30.64	129	0	P	H	
	*	5580	101.69	-	-	89.42	32	10.91	30.64	129	0	A	H	
			5753.975	50.81	-23.19	74	38.15	32.26	11.13	30.73	129	0	P	H
			5765	44.02	-9.98	54	31.37	32.26	11.13	30.74	129	0	A	H
			5382.4	51.25	-22.75	74	39.16	31.81	10.87	30.59	203	0	P	V
			5394.88	42.5	-11.5	54	30.27	31.82	11.01	30.6	203	0	A	V
		*	5580	106.78	-	-	94.51	32	10.91	30.64	203	0	P	V
		*	5580	98.61	-	-	86.34	32	10.91	30.64	203	0	A	V
		5751.77	50.7	-23.3	74	38.04	32.26	11.13	30.73	203	0	P	V	
		5765	42.82	-11.18	54	30.17	32.26	11.13	30.74	203	0	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 140</b> <b>5700MHz</b>	*	5700	108.75	-	-	96.26	32.17	11.02	30.7	100	360	P	H
	*	5700	100.29	-	-	87.8	32.17	11.02	30.7	100	360	A	H
		5725	66.89	-1.31	68.2	54.32	32.21	11.07	30.71	100	360	P	H
													H
													H
													H
	*	5700	103.95	-	-	91.46	32.17	11.02	30.7	169	3	P	V
	*	5700	95.69	-	-	83.2	32.17	11.02	30.7	169	3	A	V
		5725.32	64.89	-3.31	68.2	52.32	32.21	11.07	30.71	169	3	P	V
													V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 100 5500MHz		11000	48.74	-25.26	74	58.31	40.4	15.13	65.1	100	0	P	H
		16500	45.01	-28.99	74	51.69	39.5	18.92	65.1	100	0	P	H
													H
													H
		11000	47.83	-26.17	74	57.4	40.4	15.13	65.1	100	0	P	V
		16500	44.24	-29.76	74	50.92	39.5	18.92	65.1	100	0	P	V
													V
802.11n HT20 CH 116 5580MHz		11160	47.93	-26.07	74	57.6	40.37	15.16	65.2	100	0	P	H
		16740	43.26	-30.74	74	49.16	39.84	19.12	64.86	100	0	P	H
													H
													H
		11160	47.72	-26.28	74	57.39	40.37	15.16	65.2	100	0	P	V
		16740	43.92	-30.08	74	49.82	39.84	19.12	64.86	100	0	P	V
													V
802.11n HT20 CH 140 5700MHz		11400	46.71	-27.29	74	56.54	40.32	15.19	65.34	100	0	P	H
		17100	49.31	-18.89	68.2	53.78	40.58	19.41	64.46	100	0	P	H
													H
													H
		11400	46.65	-27.35	74	56.48	40.32	15.19	65.34	100	0	P	V
		17100	47.69	-20.51	68.2	52.16	40.58	19.41	64.46	100	0	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 102 5510MHz		5469.04	65.35	-8.65	74	53.12	31.87	10.97	30.61	166	0	P	H
		5470	53.51	-0.49	54	41.28	31.87	10.97	30.61	166	0	A	H
	*	5510	103.45	-	-	91.21	31.9	10.95	30.61	166	0	P	H
	*	5510	94.86	-	-	82.62	31.9	10.95	30.61	166	0	A	H
		5750.51	51.19	-22.81	74	38.58	32.24	11.1	30.73	166	0	P	H
		5763.74	41.89	-12.11	54	29.24	32.26	11.13	30.74	166	0	A	H
		5469.28	62.87	-11.13	74	50.64	31.87	10.97	30.61	214	10	P	V
		5470	48.92	-5.08	54	36.69	31.87	10.97	30.61	214	10	A	V
	*	5510	98.5	-	-	86.26	31.9	10.95	30.61	214	10	P	V
	*	5510	89.68	-	-	77.44	31.9	10.95	30.61	214	10	A	V
		5747.99	51.85	-22.15	74	39.24	32.24	11.1	30.73	214	10	P	V
		5764.055	41.77	-12.23	54	29.12	32.26	11.13	30.74	214	10	A	V
802.11n HT40 CH 110 5550MHz		5469.76	58.9	-15.1	74	46.67	31.87	10.97	30.61	153	0	P	H
		5470	47.88	-6.12	54	35.65	31.87	10.97	30.61	153	0	A	H
	*	5550	108.93	-	-	96.67	31.97	10.92	30.63	153	0	P	H
	*	5550	99.92	-	-	87.66	31.97	10.92	30.63	153	0	A	H
		5759.33	52.52	-21.48	74	39.86	32.26	11.13	30.73	153	0	P	H
		5730.665	43.4	-10.6	54	30.83	32.21	11.07	30.71	153	0	A	H
		5465.92	53.3	-20.7	74	41.07	31.87	10.97	30.61	223	2	P	V
		5470	43.69	-10.31	54	31.46	31.87	10.97	30.61	223	2	A	V
	*	5550	103.51	-	-	91.25	31.97	10.92	30.63	223	2	P	V
	*	5550	94.8	-	-	82.54	31.97	10.92	30.63	223	2	A	V
		5753.66	51.99	-22.01	74	39.33	32.26	11.13	30.73	223	2	P	V
		5754.605	42.16	-11.84	54	29.5	32.26	11.13	30.73	223	2	A	V



<b>802.11n</b>  <b>HT40</b>  <b>CH 134</b>  <b>5670MHz</b>		5446.96	50.84	-23.16	74	38.6	31.86	10.98	30.6	145	0	P	H
		5466.4	52.22	-15.98	68.2	39.99	31.87	10.97	30.61	145	0	P	H
		5459.92	42.53	-11.47	54	30.29	31.86	10.98	30.6	145	0	A	H
	*	5670	108.26	-	-	95.81	32.14	11	30.69	145	0	P	H
	*	5670	99.88	-	-	87.43	32.14	11	30.69	145	0	A	H
		5727.2	65.61	-2.59	68.2	53.04	32.21	11.07	30.71	145	0	P	H
		5456.32	50.36	-23.64	74	38.12	31.86	10.98	30.6	185	3	P	V
		5464.24	50.81	-17.39	68.2	38.58	31.87	10.97	30.61	185	3	P	V
		5459.92	41.44	-12.56	54	29.2	31.86	10.98	30.6	185	3	A	V
	*	5670	103.05	-	-	90.6	32.14	11	30.69	185	3	P	V
	*	5670	94.77	-	-	82.32	32.14	11	30.69	185	3	A	V
		5726.57	60.01	-8.19	68.2	47.44	32.21	11.07	30.71	185	3	P	V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 - 5470~5725MHz

WIFI 802.11n HT40 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11n HT40 CH 102 5510MHz		11020	47.8	-26.2	74	57.38	40.4	15.13	65.11	100	0	P	H	
		16530	44.96	-29.04	74	51.53	39.55	18.95	65.07	100	0	P	H	
													H	
													H	
			11020	47.38	-26.62	74	56.96	40.4	15.13	65.11	100	0	P	V
			16530	44.83	-29.17	74	51.4	39.55	18.95	65.07	100	0	P	V
														V
802.11n HT40 CH 110 5550MHz		11100	47.09	-26.91	74	56.72	40.38	15.15	65.16	100	0	P	H	
		16650	43.73	-30.27	74	49.9	39.72	19.05	64.94	100	0	P	H	
													H	
													H	
			11100	47.68	-26.32	74	57.31	40.38	15.15	65.16	100	0	P	V
			16650	43.58	-30.42	74	49.75	39.72	19.05	64.94	100	0	P	V
														V
802.11n HT40 CH 134 5670MHz		11340	47.76	-26.24	74	57.55	40.33	15.18	65.3	100	0	P	H	
		17010	47.1	-21.1	68.2	52.08	40.26	19.34	64.58	100	0	P	H	
													H	
													H	
			11340	46.26	-27.74	74	56.05	40.33	15.18	65.3	100	0	P	V
			17010	46.21	-21.99	68.2	51.19	40.26	19.34	64.58	100	0	P	V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



Band 3 - 5470~5725MHz

WIFI 802.11ac VHT80 (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ac VHT80 CH 106 5530MHz		5459.92	60.62	-13.38	74	48.38	31.86	10.98	30.6	217	4	P	H
		5467.12	62.79	-5.41	68.2	50.56	31.87	10.97	30.61	217	4	P	H
		5459.68	53.48	-0.52	54	41.24	31.86	10.98	30.6	217	4	A	H
	*	5530	100.58	-	-	88.34	31.92	10.94	30.62	217	4	P	H
	*	5530	92.8	-	-	80.56	31.92	10.94	30.62	217	4	A	H
		5748.305	51.01	-17.19	68.2	38.4	32.24	11.1	30.73	217	4	P	H
		5459.92	57.12	-16.88	74	44.88	31.86	10.98	30.6	262	1	P	V
		5459.92	57.12	-16.88	74	44.88	31.86	10.98	30.6	262	1	P	V
		5459.68	48.33	-5.67	54	36.09	31.86	10.98	30.6	262	1	A	V
	*	5530	95.39	-	-	83.15	31.92	10.94	30.62	262	1	P	V
	*	5530	87.89	-	-	75.65	31.92	10.94	30.62	262	1	A	V
		5726.255	51.21	-16.99	68.2	38.64	32.21	11.07	30.71	262	1	P	V
802.11ac VHT80 CH 122 5610MHz		5440.96	53.23	-20.77	74	40.99	31.85	10.99	30.6	208	3	P	H
		5465.68	53.82	-14.38	68.2	41.59	31.87	10.97	30.61	208	3	P	H
		5442.64	46.05	-7.95	54	33.81	31.85	10.99	30.6	208	3	A	H
	*	5610	105.97	-	-	93.7	32.04	10.89	30.66	208	3	P	H
	*	5610	97.73	-	-	85.46	32.04	10.89	30.66	208	3	A	H
		5725.625	57.37	-10.83	68.2	44.8	32.21	11.07	30.71	208	3	P	H
		5448.88	51.03	-22.97	74	38.79	31.86	10.98	30.6	400	350	P	V
		5464.24	51.24	-16.96	68.2	39.01	31.87	10.97	30.61	400	350	P	V
		5450.56	43.31	-10.69	54	31.07	31.86	10.98	30.6	400	350	A	V
	*	5610	101.49	-	-	89.22	32.04	10.89	30.66	400	350	P	V
	*	5610	93.94	-	-	81.67	32.04	10.89	30.66	400	350	A	V
		5734.13	53.07	-15.13	68.2	40.5	32.21	11.07	30.71	400	350	P	V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



Band 3 5470~5725MHz

WIFI 802.11ac VHT80 (Harmonic @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11ac VHT80 CH 106 5530MHz		11060	49.65	-24.35	74	59.26	40.39	15.14	65.14	100	0	P	H
		16590	43.72	-24.48	68.2	50.12	39.62	18.99	65.01	100	0	P	H
													H
													H
		11060	47.65	-26.35	74	57.26	40.39	15.14	65.14	100	0	P	V
		16590	44.87	-23.33	68.2	51.27	39.62	18.99	65.01	100	0	P	V
													V
802.11ac VHT80 CH 122 5610MHz		11220	45.74	-28.26	74	55.45	40.36	15.16	65.23	100	0	P	H
		16830	42	-26.2	68.2	47.62	39.96	19.19	64.77	100	0	P	H
													H
													H
		11220	46.84	-27.16	74	56.55	40.36	15.16	65.23	100	0	P	V
		16830	42.86	-25.34	68.2	48.48	39.96	19.19	64.77	100	0	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												





Band 3 - Straddle Channel

WIFI 802.11a (Band Edge @ 3m)

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 144 5720MHz	*	5720	111.76	-	-	99.19	32.21	11.07	30.71	224	286	P	H	
	*	5720	103.91	-	-	91.34	32.21	11.07	30.71	224	286	A	H	
													H	
													H	
													H	
	*	5720	107.87	-	-	95.3	32.21	11.07	30.71	400	0	P	V	
	*	5720	99.67	-	-	87.1	32.21	11.07	30.71	400	0	A	V	
														V
														V
														V
														V
	Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11a CH 144 5720MHz		11440	48.08	-25.92	74	57.93	40.31	15.2	65.36	100	0	P	H	
		17160	47.14	-21.06	68.2	51.22	40.83	19.46	64.37	100	0	P	H	
													H	
													H	
			11440	47.23	-26.77	74	57.08	40.31	15.2	65.36	100	0	P	V
			17160	46.44	-21.76	68.2	50.52	40.83	19.46	64.37	100	0	P	V
														V
														V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11n HT20 CH 144 5720MHz	*	5720	111.66	-	-	99.09	32.21	11.07	30.71	216	294	P	H
	*	5720	103.55	-	-	90.98	32.21	11.07	30.71	216	294	A	H
													H
													H
													H
													H
	*	5720	107.66	-	-	95.09	32.21	11.07	30.71	400	0	P	V
	*	5720	99.46	-	-	86.89	32.21	11.07	30.71	400	0	A	V
													V
													V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11n HT20 CH 144 5720MHz		11440	46.73	-27.27	74	56.58	40.31	15.2	65.36	100	0	P	H	
		17160	48.85	-19.35	68.2	52.93	40.83	19.46	64.37	100	0	P	H	
													H	
													H	
			11440	47.45	-26.55	74	57.3	40.31	15.2	65.36	100	0	P	V
			17160	45.88	-22.32	68.2	49.96	40.83	19.46	64.37	100	0	P	V
														V
													V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT40 CH 142 5710MHz	*	5710	108.37	-	-	95.83	32.19	11.05	30.7	211	286	P	H
	*	5710	100.62	-	-	88.08	32.19	11.05	30.7	211	286	A	H
													H
													H
													H
													H
	*	5710	104.25	-	-	91.71	32.19	11.05	30.7	400	0	P	V
	*	5710	96.02	-	-	83.48	32.19	11.05	30.7	400	0	A	V
													V
													V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11n HT40 CH 142 5710MHz		11420	47.11	-26.89	74	56.95	40.32	15.19	65.35	100	0	P	H	
		17130	46.22	-21.98	68.2	50.48	40.71	19.44	64.41	100	0	P	H	
													H	
													H	
			11420	46.98	-27.02	74	56.82	40.32	15.19	65.35	100	0	P	V
			17130	46.28	-21.92	68.2	50.54	40.71	19.44	64.41	100	0	P	V
														V
														V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11ac VHT80 CH 138 5690MHz	*	5690	106.43	-	-	93.94	32.17	11.02	30.7	216	286	P	H
	*	5690	98.56	-	-	86.07	32.17	11.02	30.7	216	286	A	H
													H
													H
													H
													H
	*	5690	102.77	-	-	90.28	32.17	11.02	30.7	389	3	P	V
	*	5690	94.76	-	-	82.27	32.17	11.02	30.7	389	3	A	V
													V
													V
												V	
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 138 5690MHz		11380	45.77	-28.23	74	55.59	40.32	15.19	65.33	100	0	P	H	
		17070	44.06	-24.14	68.2	48.74	40.45	19.38	64.51	100	0	P	H	
													H	
													H	
			11380	46.12	-27.88	74	55.94	40.32	15.19	65.33	100	0	P	V
			17070	45.8	-22.4	68.2	50.48	40.45	19.38	64.51	100	0	P	V
														V
														V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													





Emission below 1GHz

WIFI 802.11ac(80) (LF @ 3m)

WIFI Ant.	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac(80) LF		106.68	39.55	-3.95	43.5	56.53	14.24	1.07	32.29	270	253	QP	H	
		106.68	43.22	-0.28	43.5	60.2	14.24	1.07	32.29	270	253	P	H	
		189.3	37.93	-5.57	43.5	57.11	11.64	1.45	32.27	-	-	P	H	
		227.37	43.32	-2.68	46	61.45	12.48	1.62	32.23	-	-	P	H	
		317.5	37.53	-8.47	46	51.74	16.04	1.88	32.13	-	-	P	H	
		351.8	32.58	-13.42	46	45.55	17.16	2.01	32.14	-	-	P	H	
		473.6	29.25	-16.75	46	38.76	20.26	2.42	32.19	-	-	P	H	
													P	H
													P	H
													P	H
													P	H
													P	H
													P	H
													P	H
													P	H
													P	H
													P	H
													P	H
													P	H
													P	H
													P	H
													P	H

**Remark**

- No other spurious found.
- All results are PASS against limit line.



**Note symbol**

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



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

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

**For Peak Limit @ 2390MHz:**

- 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)
- Over Limit(dB)  
= Level(dBμV/m) – Limit Line(dBμV/m)  
= 55.45(dBμV/m) – 74(dBμV/m)  
= -18.55(dB)

**For Average Limit @ 2390MHz:**

- 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)
- 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

Test Engineer :	Alex Jeng, Bill Chang, and Wilson Wu	Temperature :	24~25°C
		Relative Humidity :	48~50%

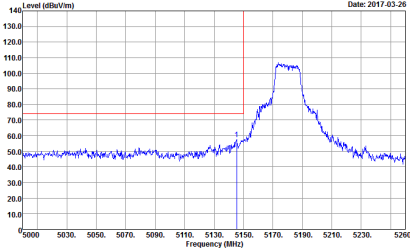
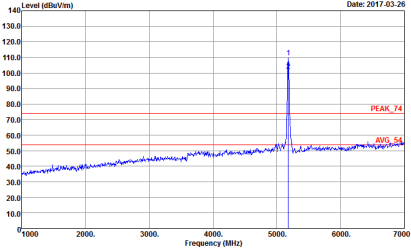
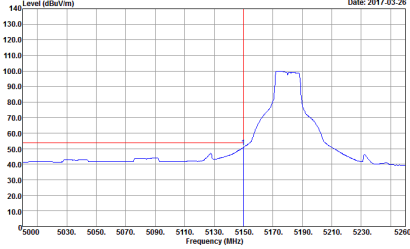
Note symbol

-L	Low channel location
-R	High channel location

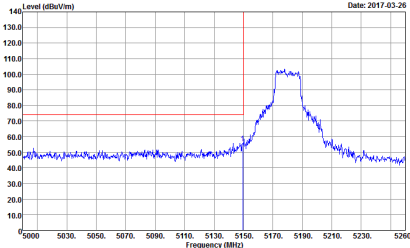
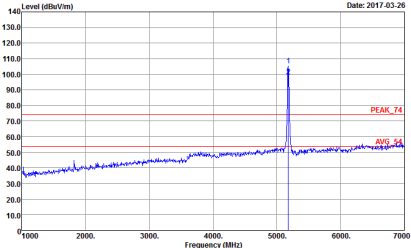
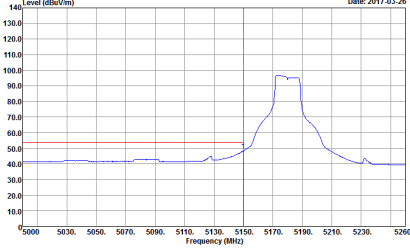


Band 1 - 5150~5250MHz

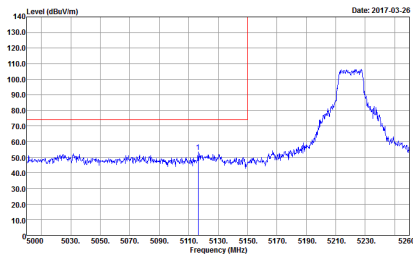
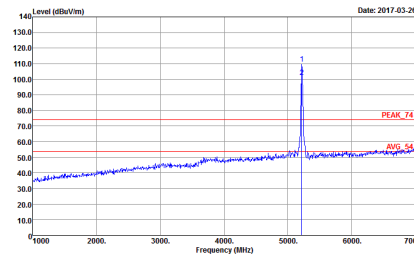
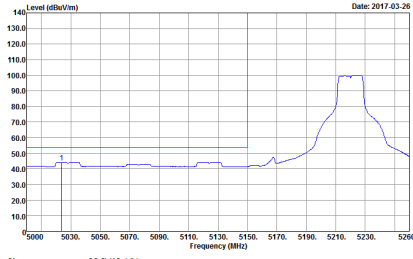
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	<p style="text-align: center;"><b>Horizontal</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

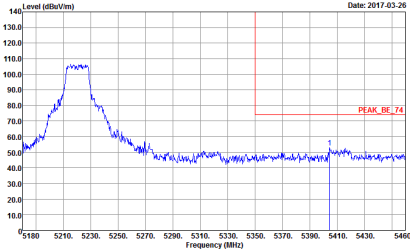
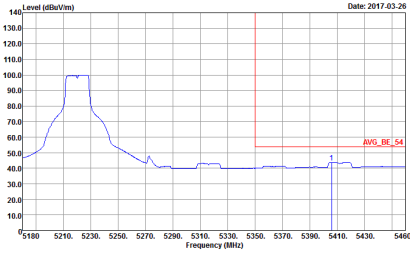


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>



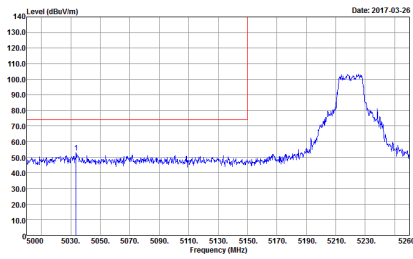
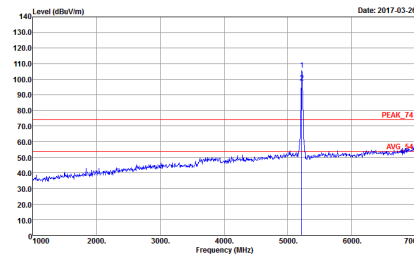
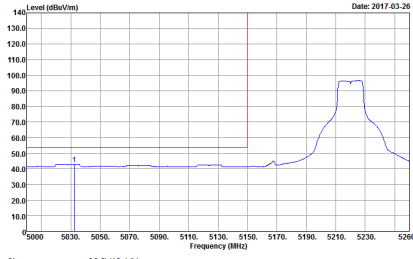
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.26</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	 <p>Date: 2017.03.26</p> <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Date: 2017.03.26</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	Left blank



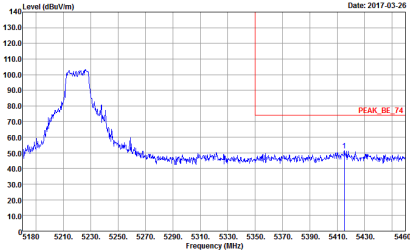
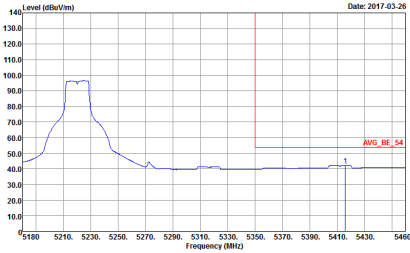
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>



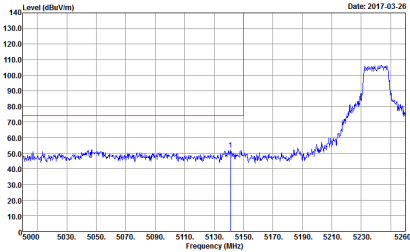
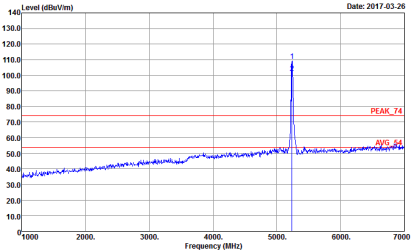
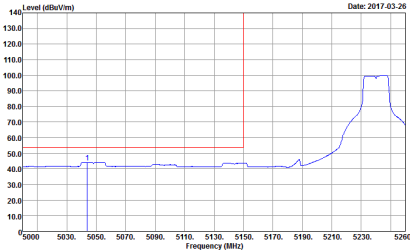


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	Left blank

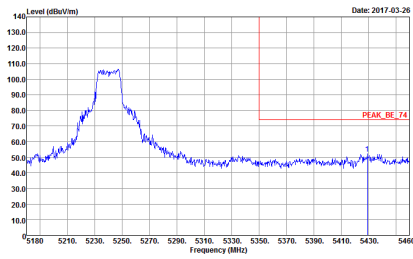
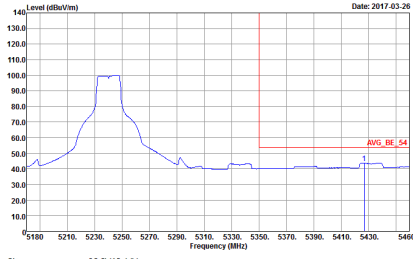


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2017.03.26</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2017.03.26</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:01010KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>

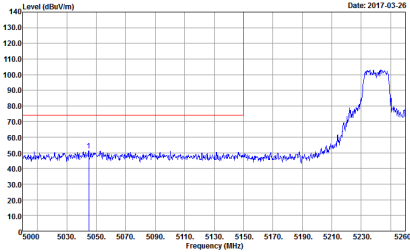
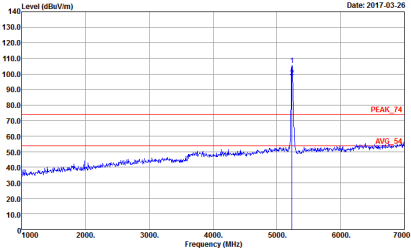
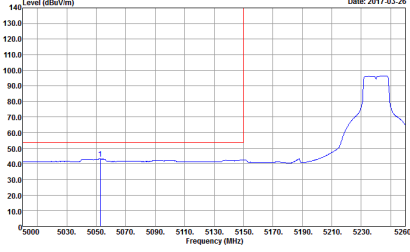


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.26</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	 <p>Date: 2017.03.26</p> <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Date: 2017.03.26</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.26</p> <p>Site : 03CH13-hY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	Left blank
Avg.	 <p>Date: 2017.03.26</p> <p>Site : 03CH13-hY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL Detector : RBW:1000.000KHz VBW:01010KHz SWT:Auto Detector : Peak</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
<p style="text-align: center;"><b>1</b></p>	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>
<p style="text-align: center;"><b>Peak</b></p>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;"><b>Left blank</b></p>



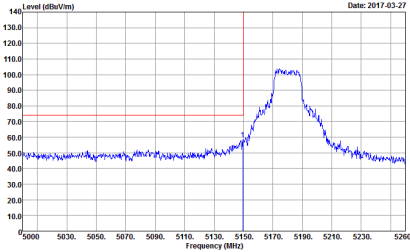
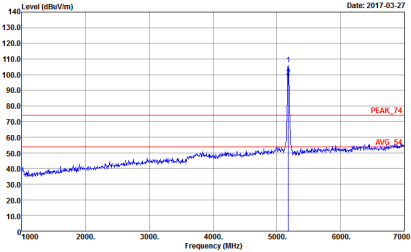
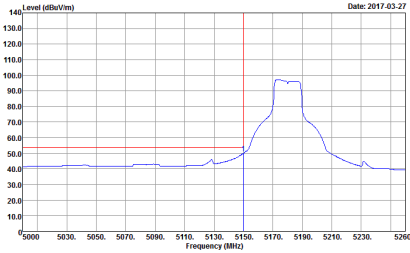
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Vertical	Fundamental
Peak	<p>Date: 2017.03.28</p> <p>Site : 03CH13-1HV            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	<p>Date: 2017.03.28</p> <p>Site : 03CH13-1HV            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:01010KHz SWT:Auto            Detector : Peak</p>	Left blank



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

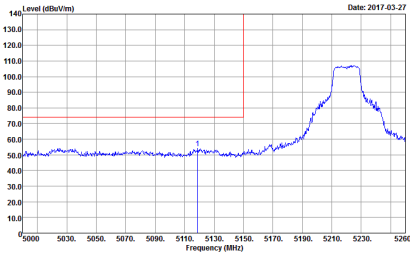
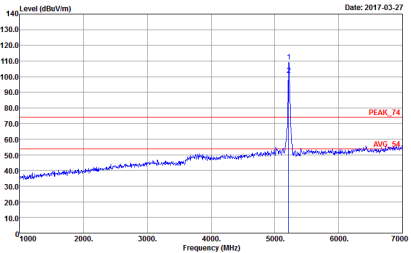
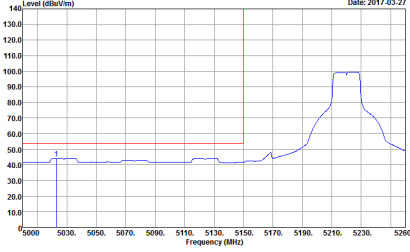
Table with 2 columns (WIFI, ANT) and 2 rows (Peak, Avg.). The table contains spectral analysis plots for 'Horizontal' and 'Fundamental' views, and a 'Left blank' view. Each plot shows Level (dBuV/m) vs Frequency (MHz) with various parameters like Site, Condition, and Detector.



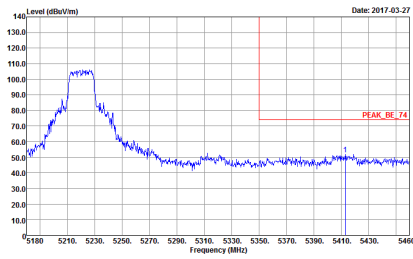
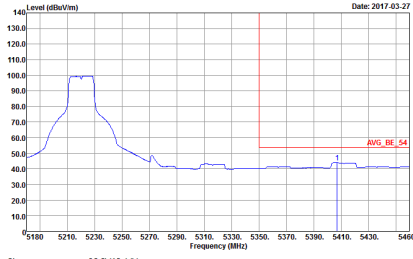
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	Left blank



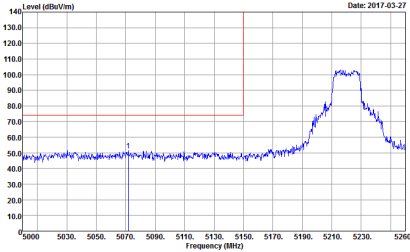
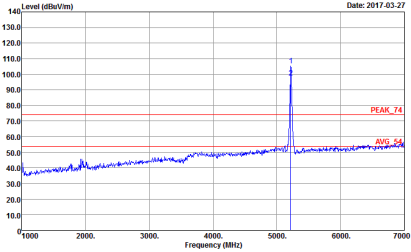
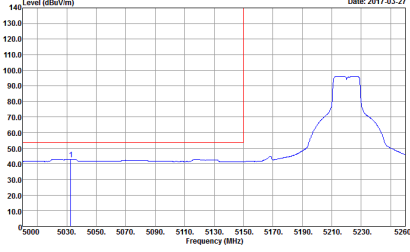


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	<p style="text-align: center;"><b>Horizontal</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

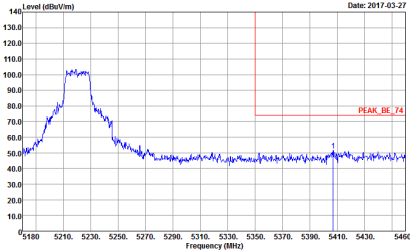
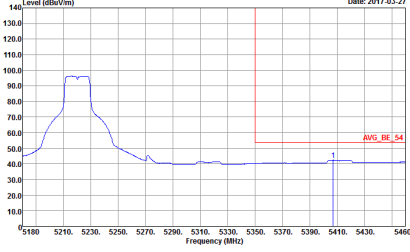


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Fundamental
Peak	 <p>           Site : 03CH13-hY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            : Peak         </p>	Left blank
Avg.	 <p>           Site : 03CH13-hY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:01010KHz SWT:Auto            : Peak         </p>	Left blank

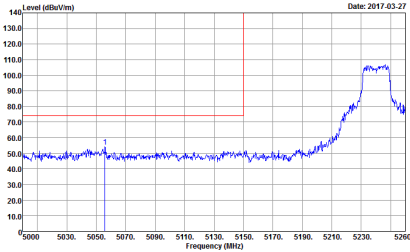
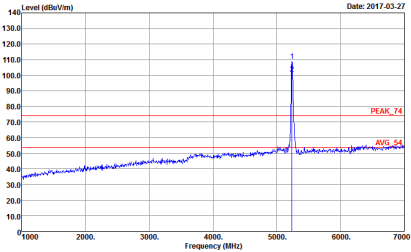
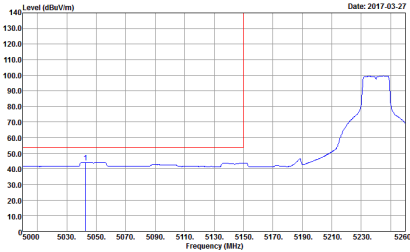


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

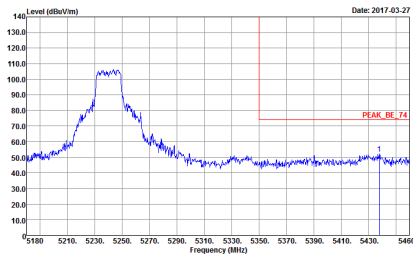
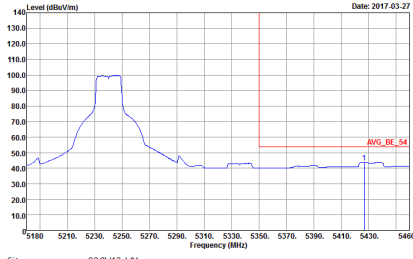


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:01010KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>

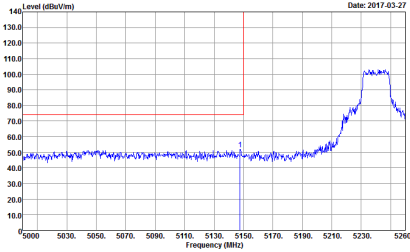
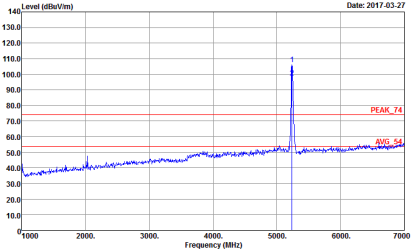
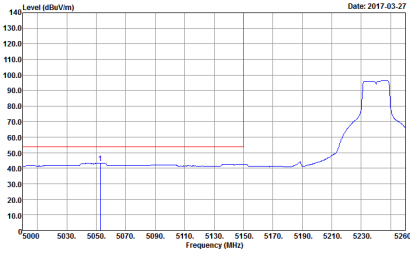


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	Left blank

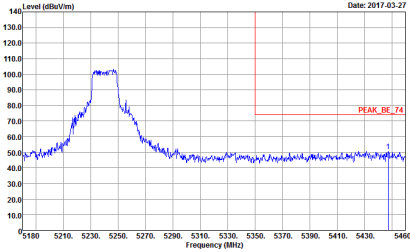
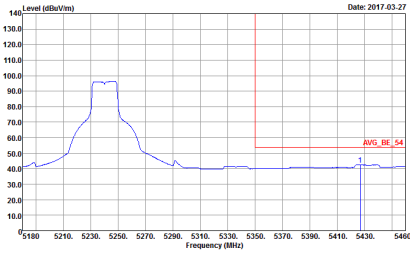


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            : Peak</p>	Left blank
Avg.	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:00100KHz SWT:Auto            : Peak</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

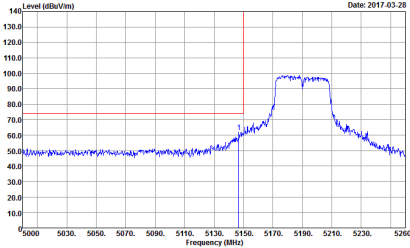
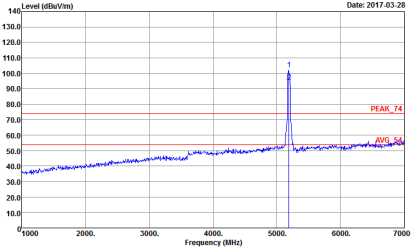
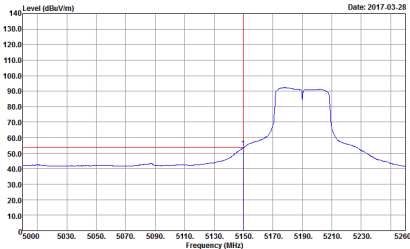


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:00100KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>

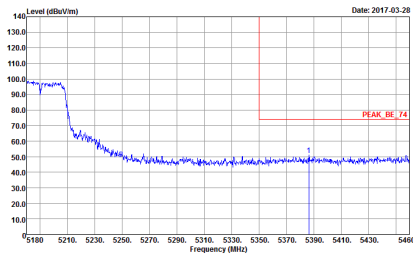
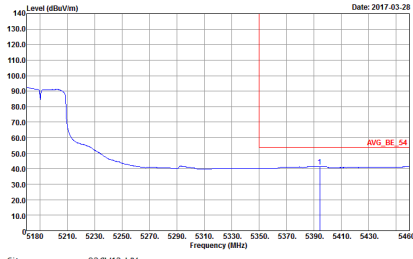




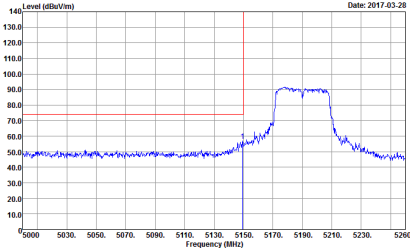
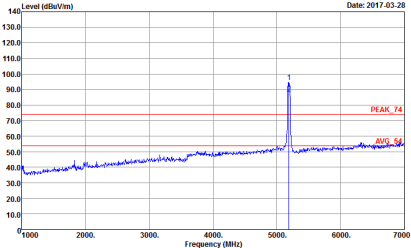
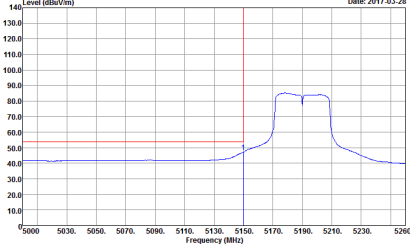
**Band 1 5150~5250MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
<p align="center"><b>1</b></p>	<p align="center"><b>Horizontal</b></p>  <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p align="center"><b>Fundamental</b></p>  <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>
<p align="center"><b>Peak</b></p>	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	<p align="center"><b>Left blank</b></p>

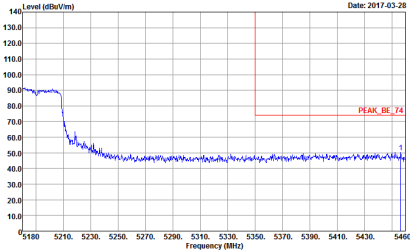
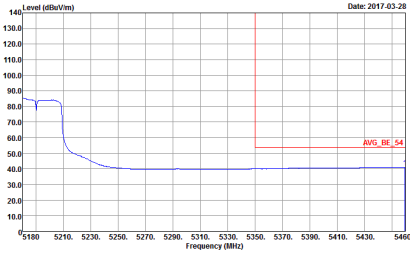


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HV            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            : Peak</p>	Left blank
Avg.	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HV            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:00100KHz SWT:Auto            : Peak</p>	Left blank

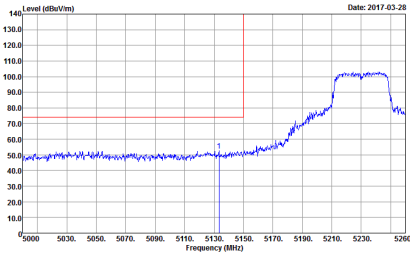
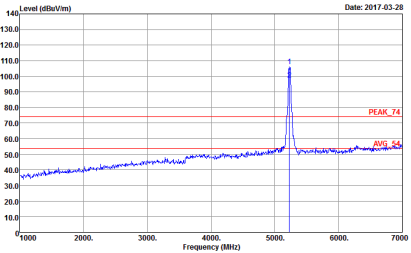
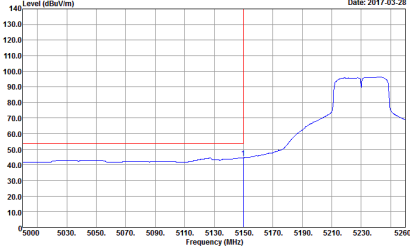


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

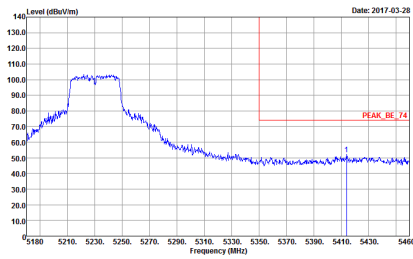
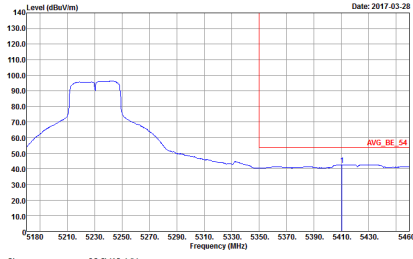


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:01010KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>

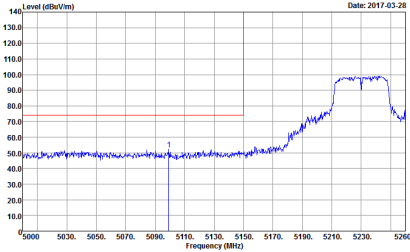
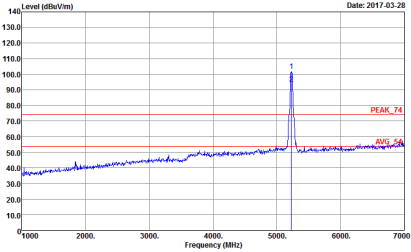
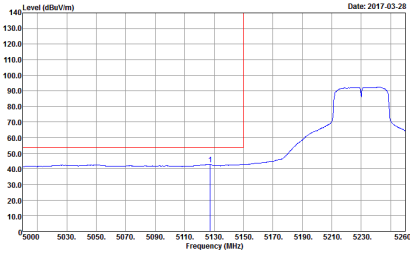


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	<p style="text-align: center;"><b>Horizontal</b></p>  <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

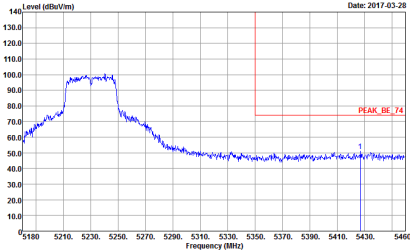
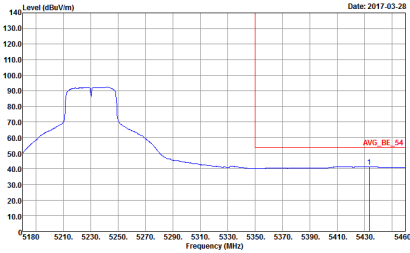


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:01010KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>

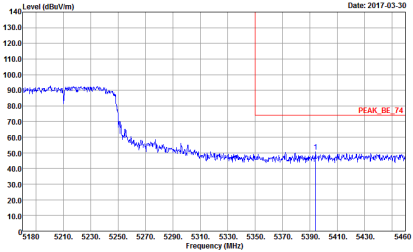
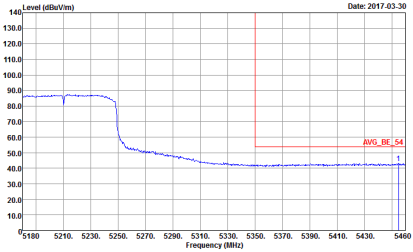




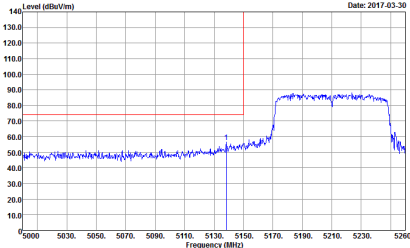
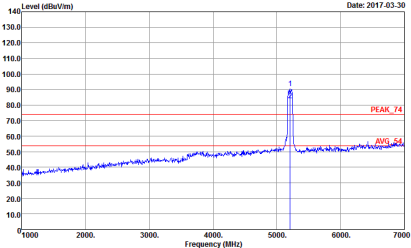
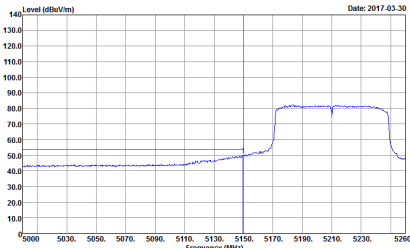
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Band Edge @ 3m)

Table with 2 columns (WIFI, ANT) and 2 rows (Peak, Avg.). The table contains spectral analysis plots for 'Horizontal' and 'Fundamental' views, and a 'Left blank' view. Each plot shows Level (dBm/1m) vs Frequency (MHz) with various parameters like Site, Condition, and Detector.

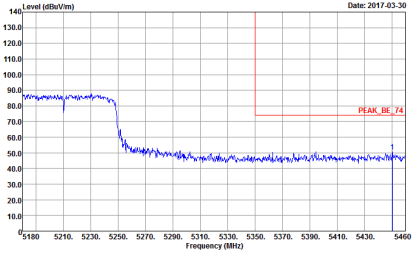
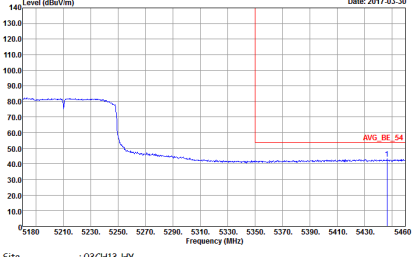


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.30</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	 <p>Date: 2017.03.30</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Vertical	Fundamental
Peak	 <p>Date: 2017.03.30</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	 <p>Date: 2017.03.30</p> <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>
Avg.	 <p>Date: 2017.03.30</p> <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	Left blank

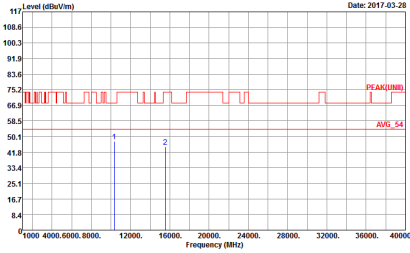
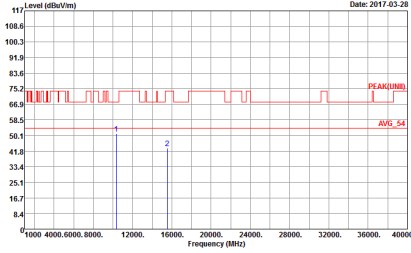


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2017.03.30</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2017.03.30</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>



Band 1 - 5150~5250MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



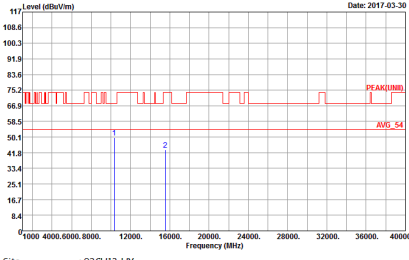
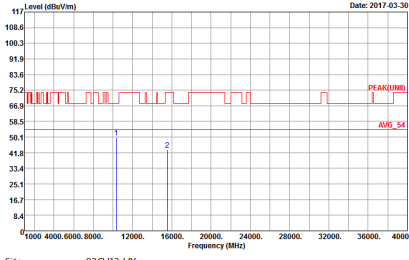
WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>

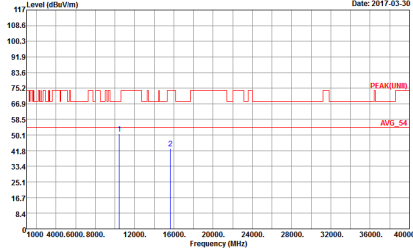
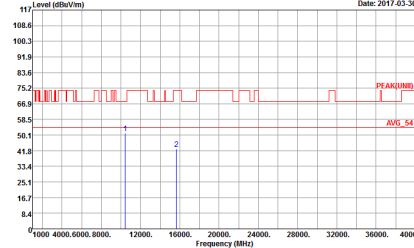


**Band 1 5150~5250MHz**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL            Detector : Peak</p>





WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



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

WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



Band 2 - 5250~5350MHz

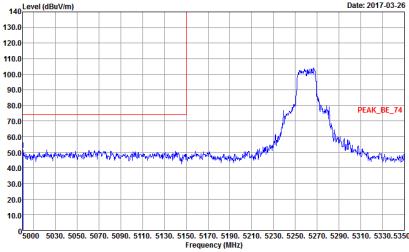
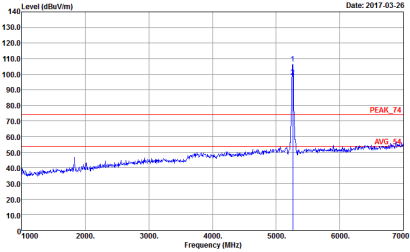
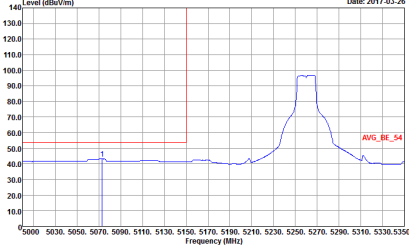
WIFI 802.11a (Band Edge @ 3m)

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>
Avg.	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	Left blank



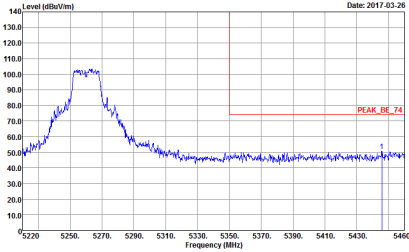
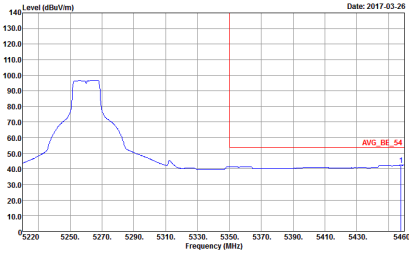
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	<p>Date: 2017-03-26</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	<p>Date: 2017-03-26</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	Left blank



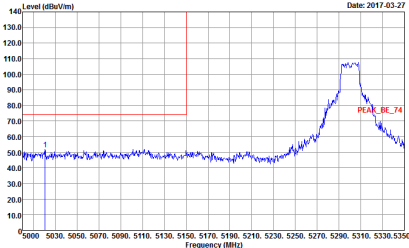
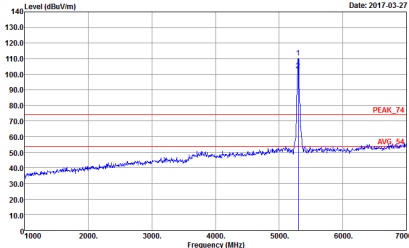
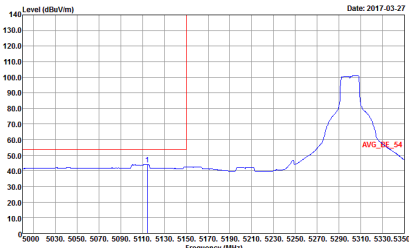
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>





WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Vertical	Fundamental
Peak	 <p>Date: 2017-03-26</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Date: 2017-03-26</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank

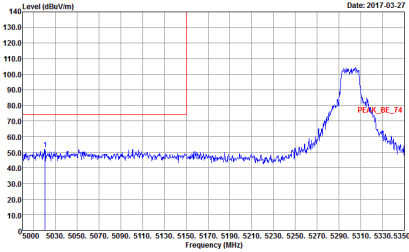
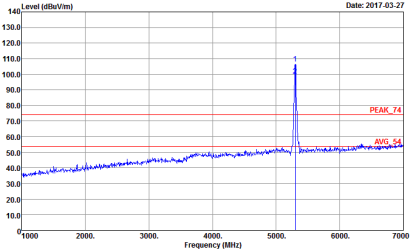
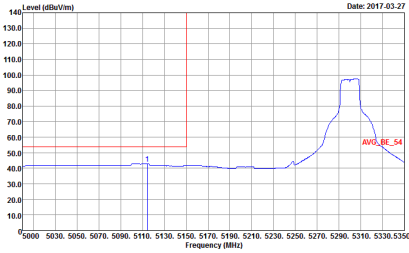


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	Left blank

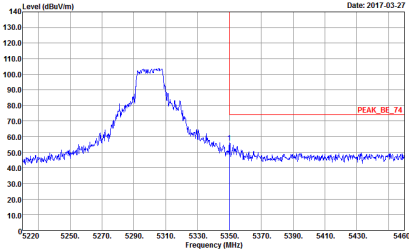
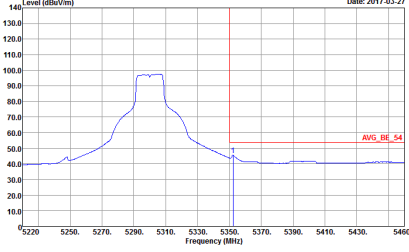


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Fundamental
Peak	<p>Date: 2017-03-27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_91200_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	<p>Date: 2017-03-27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_91200_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	Left blank

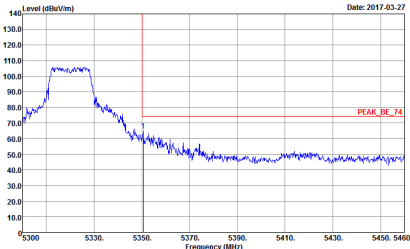
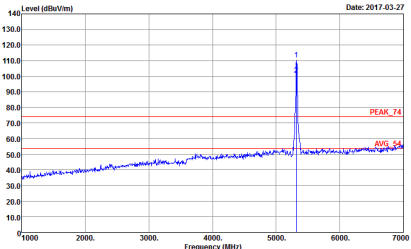
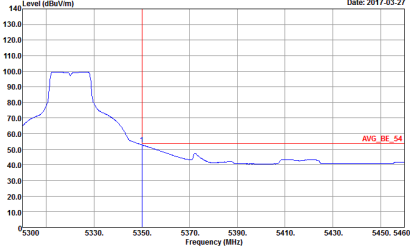


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

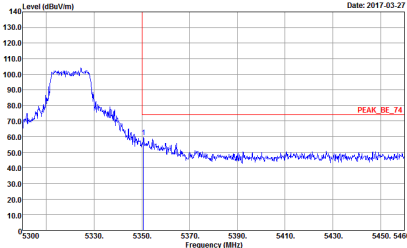
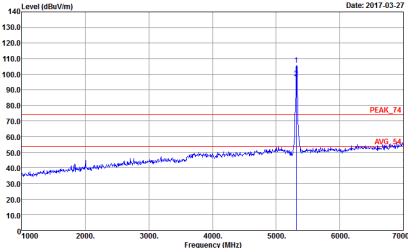
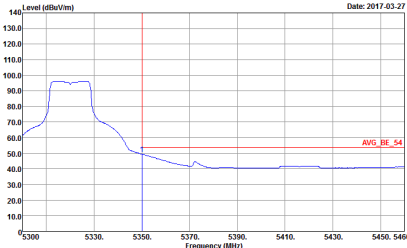


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Vertical	Fundamental
Peak	 <p>Date: 2017-03-27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank
Avg.	 <p>Date: 2017-03-27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto</p>	Left blank



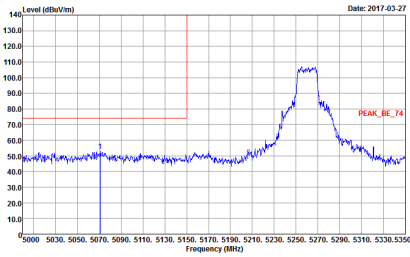
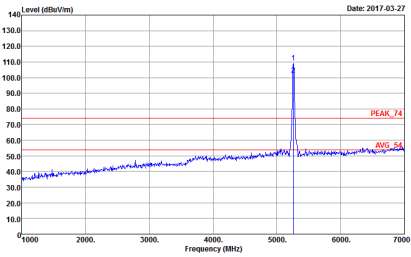
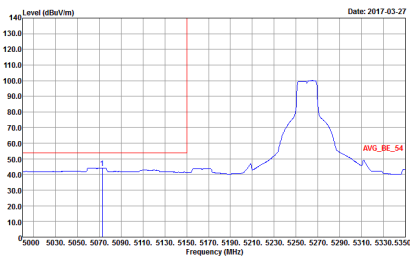
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	<p style="text-align: center;"><b>Horizontal</b></p>  <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	<p style="text-align: center;">Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;">Left blank</p>



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

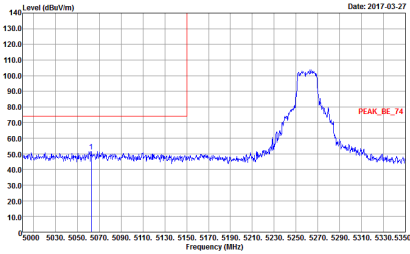
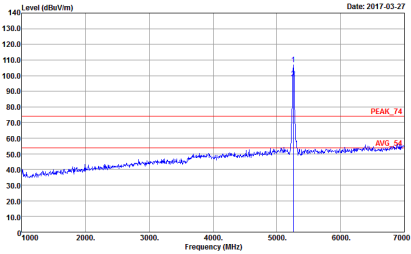
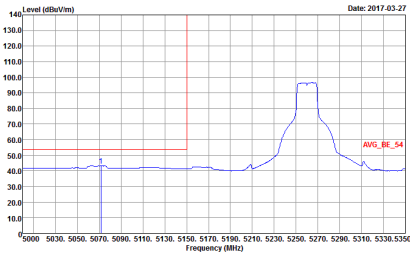
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	<p>Left blank</p>





WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Fundamental
Peak	<p>Date: 2017.03.27</p> <p>Site : 03CH13-HV            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	<p>Date: 2017.03.27</p> <p>Site : 03CH13-HV            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	Left blank

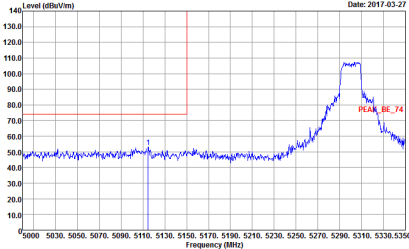
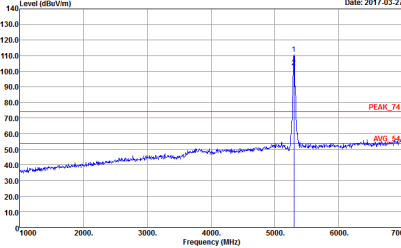
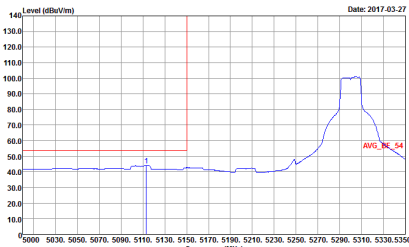


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

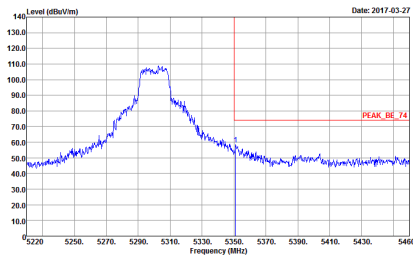
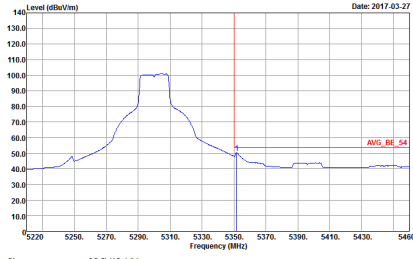


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	Left blank
<b>Avg.</b>	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:01010KHz SWT:Auto Detector : Peak</p>	Left blank

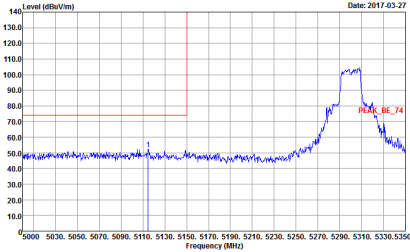
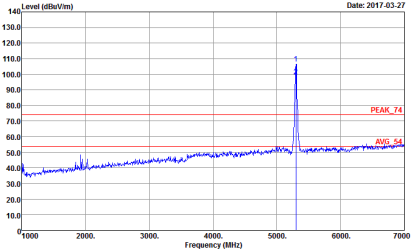
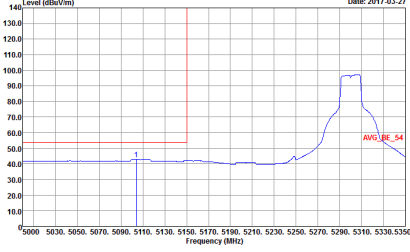


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	<p style="text-align: center;"><b>Horizontal</b></p>  <p style="text-align: right;">Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p style="text-align: right;">Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>
Avg.	 <p style="text-align: right;">Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

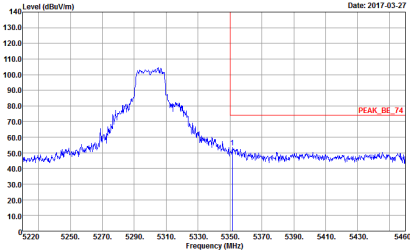
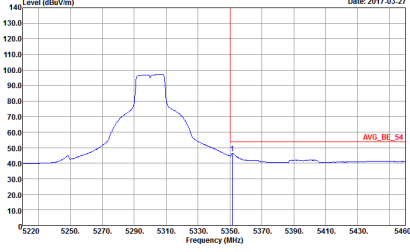


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Vertical
Avg.	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	Vertical

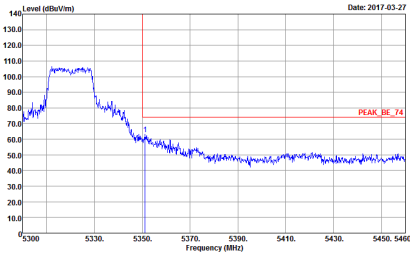
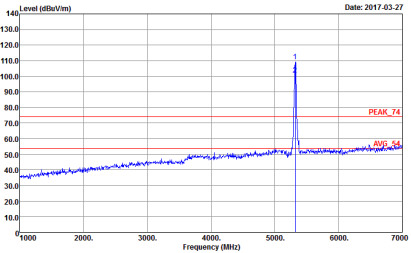
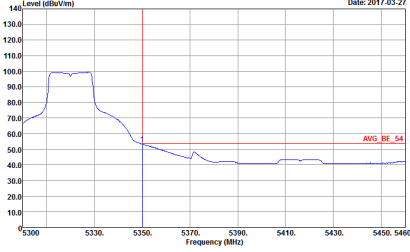


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>



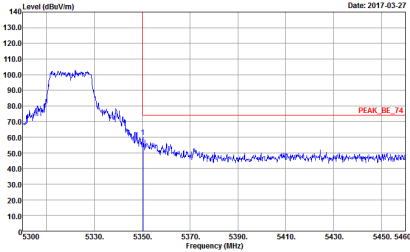
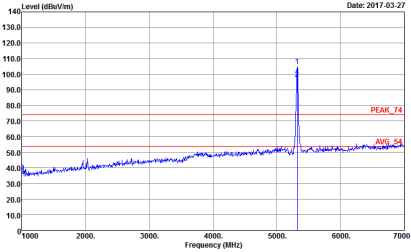
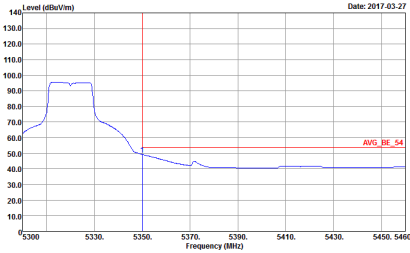
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2017-03-27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2017-03-27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:00100KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	<p style="text-align: center;"><b>Horizontal</b></p>  <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

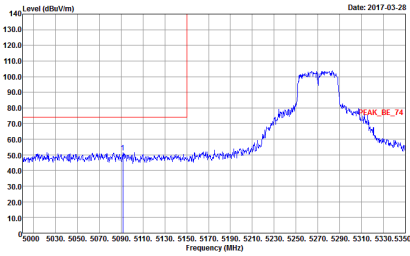
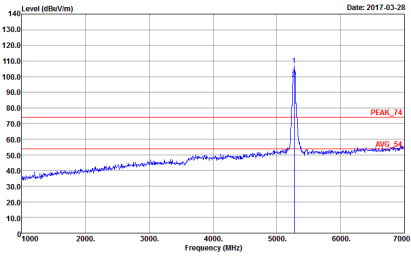
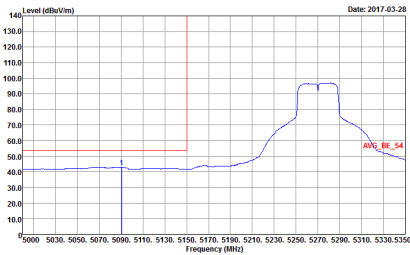




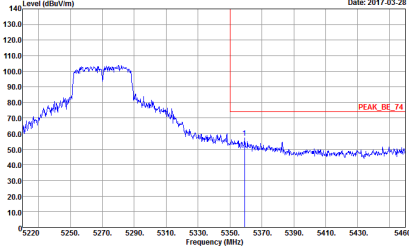
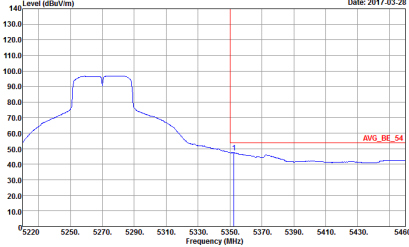
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
<p>1</p> <p>Vertical</p> <p>Peak</p>	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p>Fundamental</p>  <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>
<p>Avg.</p>	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p>Left blank</p>



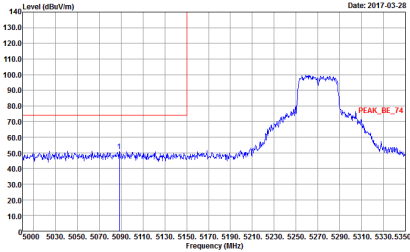
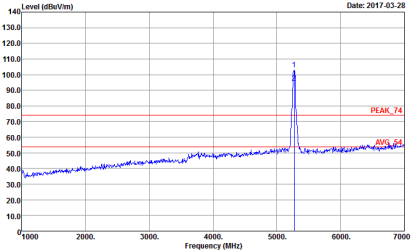
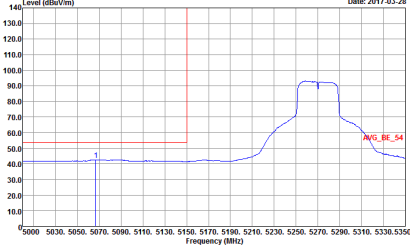
**Band 2 5250~5350MHz**  
**WIFI 802.11n HT40 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	Left blank

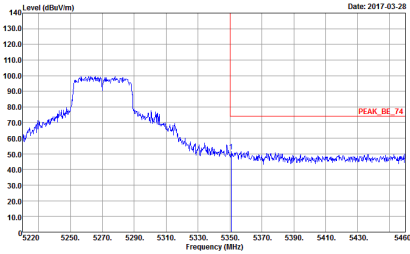
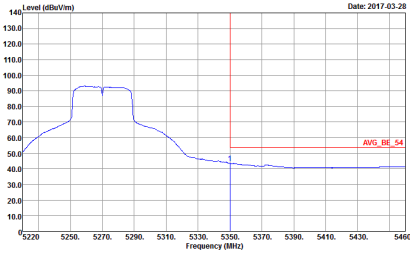


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            RBW:1000.000KHz VBW:00100KHz SWT:Auto            Detector : Peak</p>	Left blank

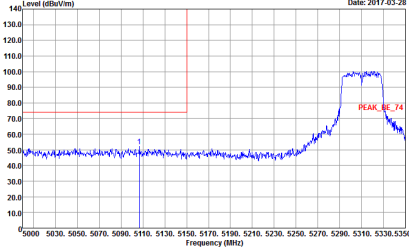
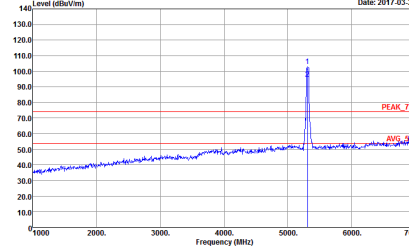
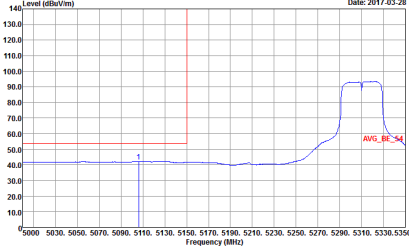


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

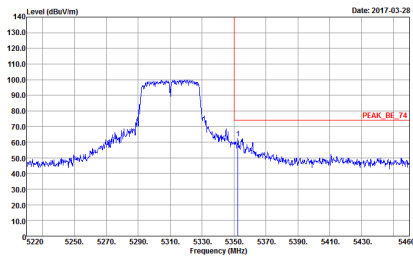
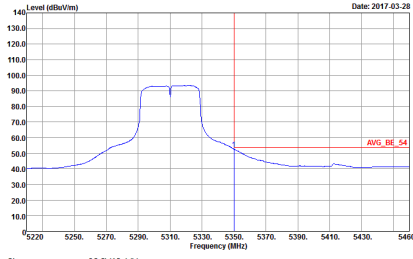


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH54 5270 - R	
1	Vertical	Vertical
Peak	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:01010KHz SWT:Auto            Detector : Peak</p>	Left blank

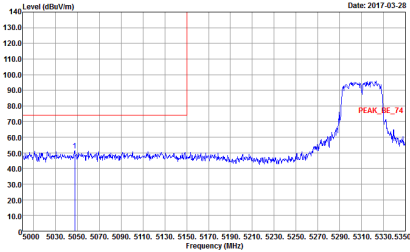
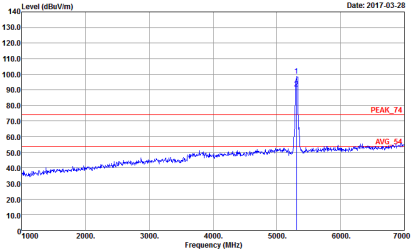
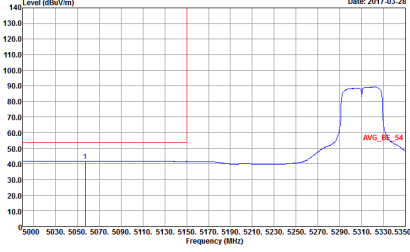


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>
Avg.	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:01010KHz SWT:Auto            Detector : Peak</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

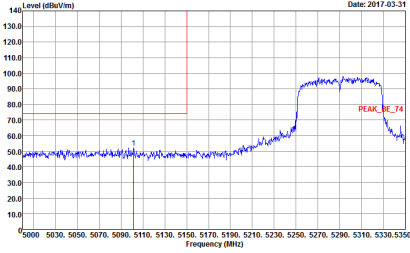
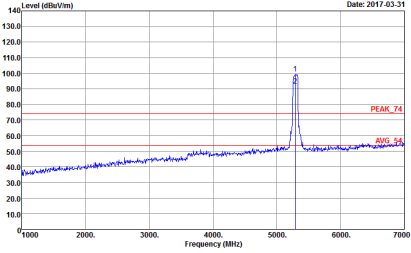
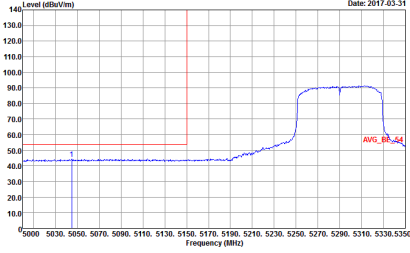




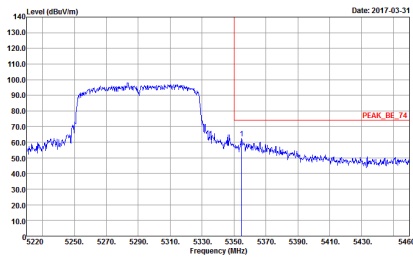
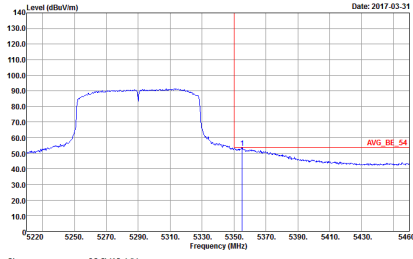
WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT40 CH62 5310 - R	
1	<b>Vertical</b>	<b>Fundamental</b>
<b>Peak</b>	<p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	Left blank
<b>Avg.</b>	<p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	Left blank



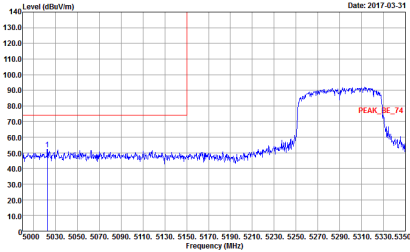
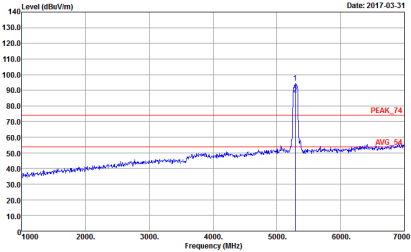
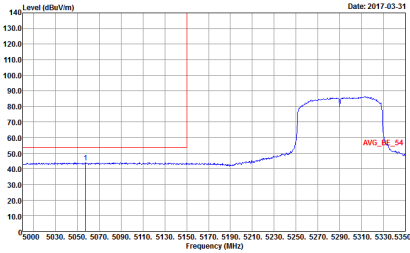
**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
<p align="center"><b>1</b></p>	<p align="center"><b>Horizontal</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	<p align="center"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
<p align="center"><b>Avg.</b></p>	 <p>Site : 03CH13-HY            Condition : AVE_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	<p align="center">Left blank</p>

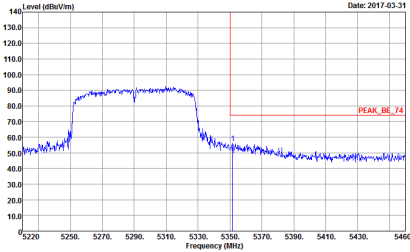
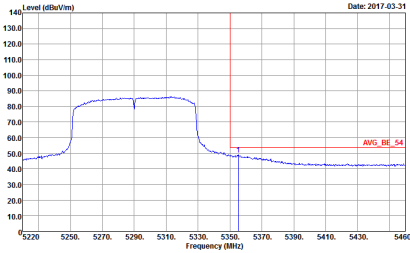


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.31</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	 <p>Date: 2017.03.31</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

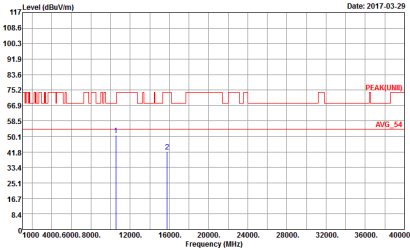
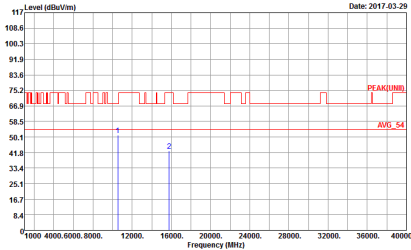


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p>Left blank</p>



Band 2 - 5250~5350MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>





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.	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



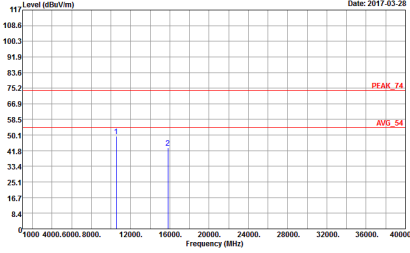
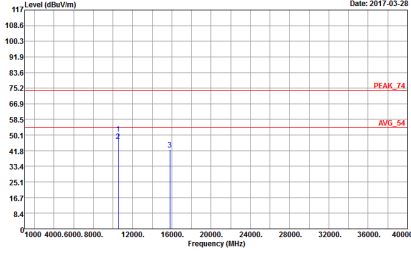
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNITE) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNITE) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



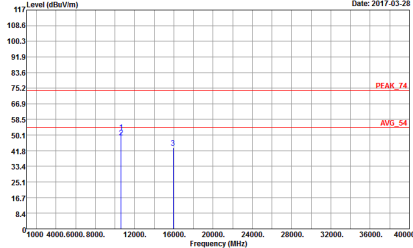
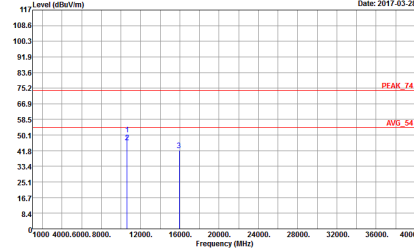
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNIT) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



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

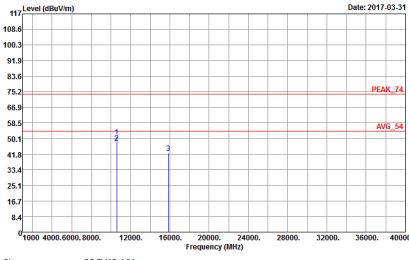
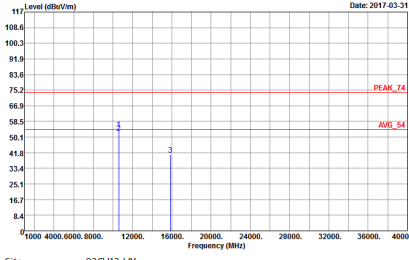
WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH54 5270MHz	
1	Horizontal	Vertical
<b>Peak</b>  <b>Avg.</b>	 <p>Site : 03CH13-HY  Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL  Detector : Peak</p>	 <p>Site : 03CH13-HY  Condition : PEAK_74 3m SHF_HORN_584 VERTICAL  Detector : Peak</p>



WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11n HT40 CH62 5310MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY            Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK_74 3m SHF_HORN_584 VERTICAL            Detector : Peak</p>



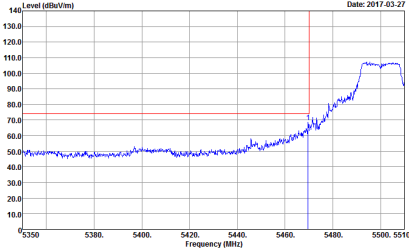
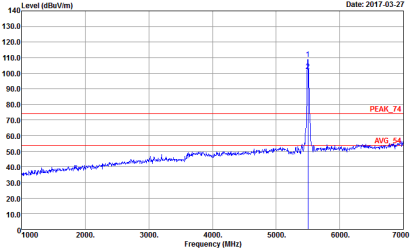
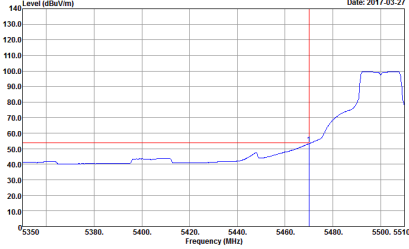
**Band 2 5250~5350MHz**  
**WIFI 802.11ac VHT80 (Harmonic @ 3m)**

WIFI	Band 2 5250~5350MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH58 5290MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	 <p>Site : 03CH13-HY            Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK_74 3m SHF_HORN_584 VERTICAL            Detector : Peak</p>

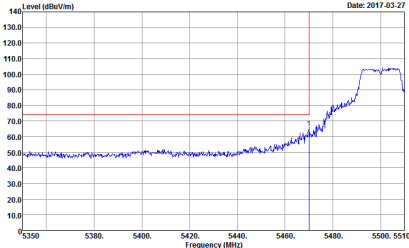
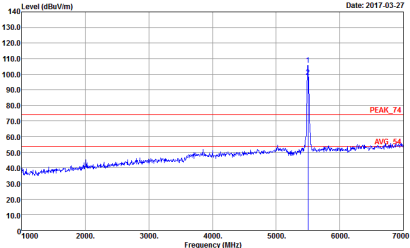
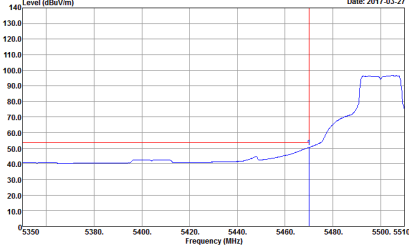


Band 3 - 5470~5725MHz

WIFI 802.11a (Band Edge @ 3m)

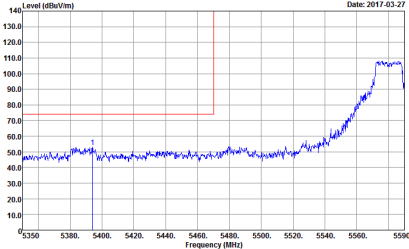
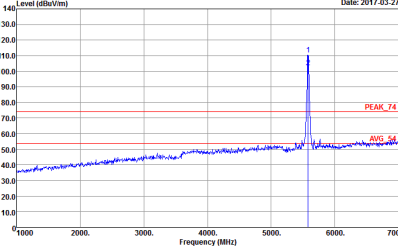
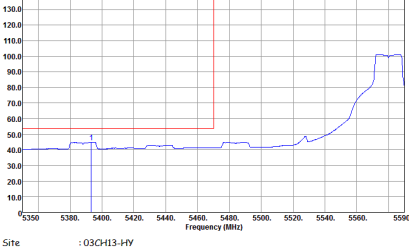
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	Left blank



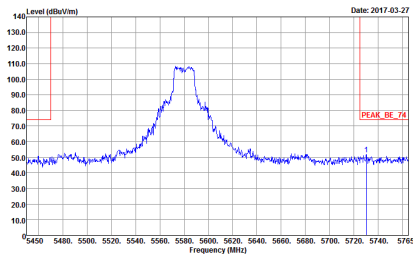
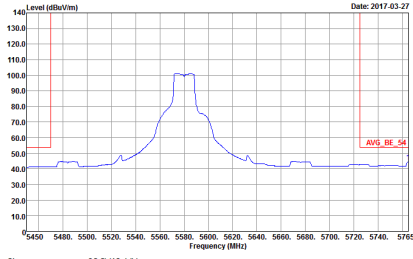
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH100 5500MHz	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>



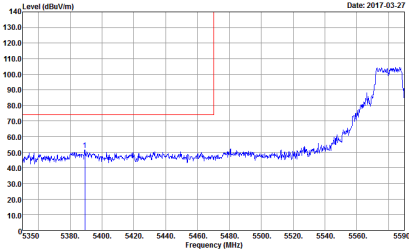
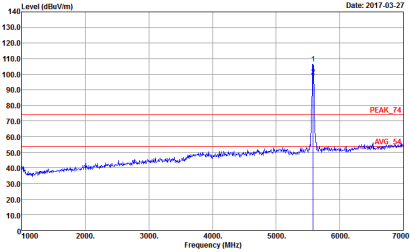
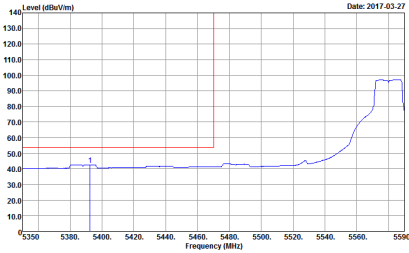


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>
Avg.	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017-03-27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	 <p>Date: 2017-03-27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	Left blank

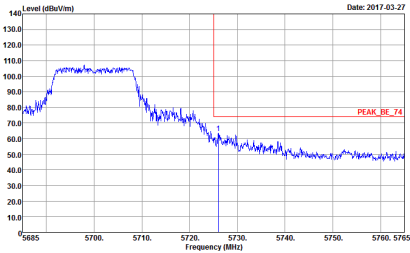
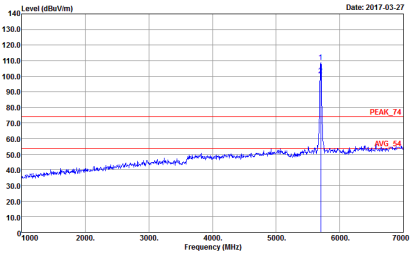
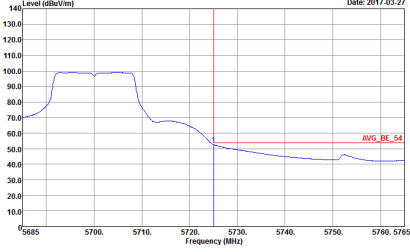


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	Left blank

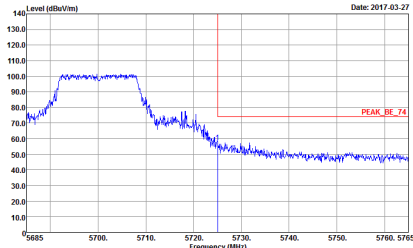
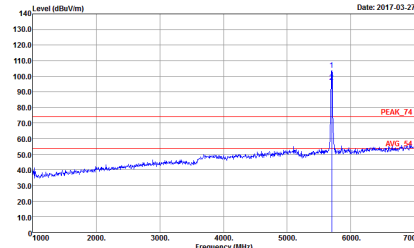
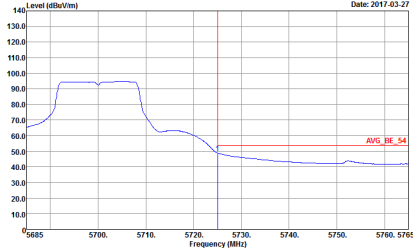


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH116 5580MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>		<p>Left blank</p>
<p><b>Avg.</b></p>		<p>Left blank</p>



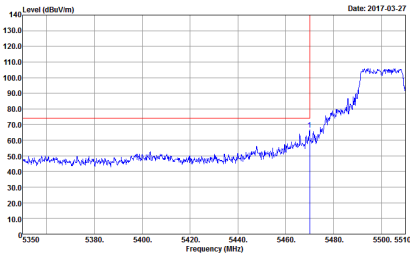
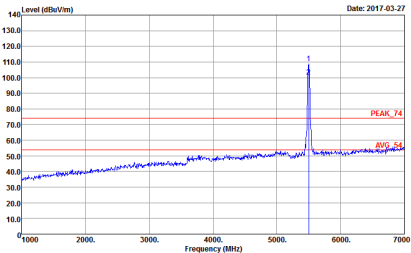
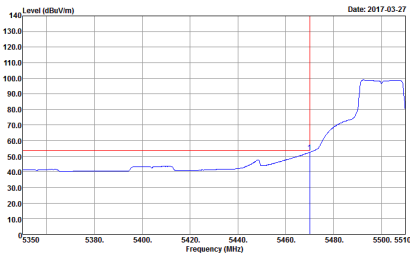
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	<p style="text-align: center;"><b>Horizontal</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>



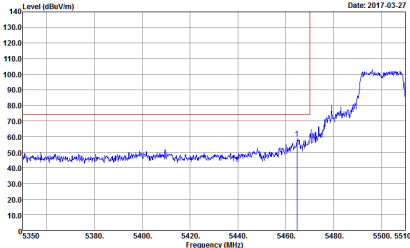
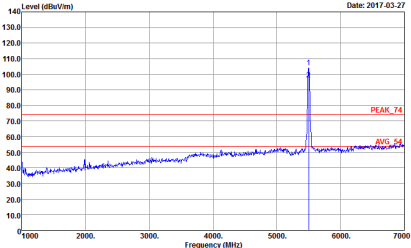
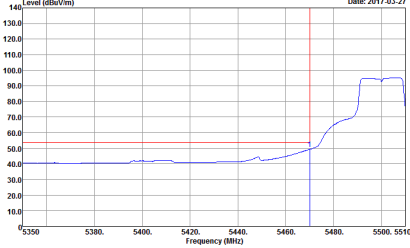
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11a CH140 5700MHz	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;">Left blank</p>



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

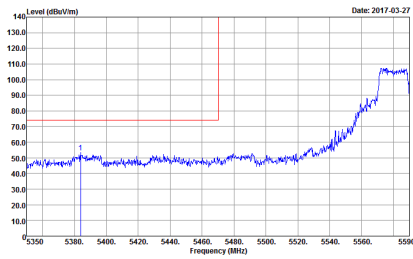
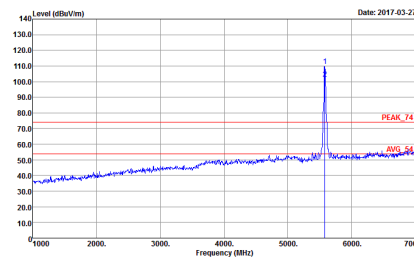
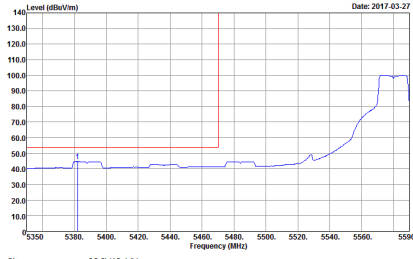
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH100 5500MHz	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	<p style="text-align: center;">Left blank</p>



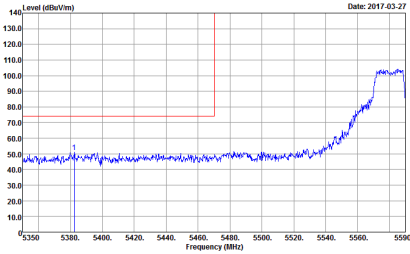
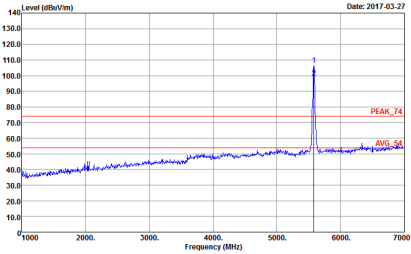
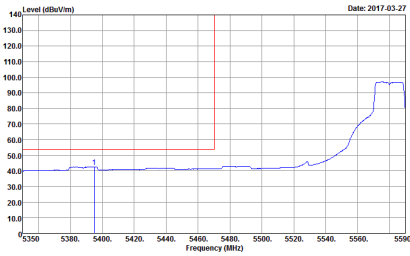


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>
Avg.	 <p>Date: 2017.03.27</p> <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : RBW:1000.000KHz VBW:01010KHz SWT:Auto            Detector : Peak</p>	Left blank

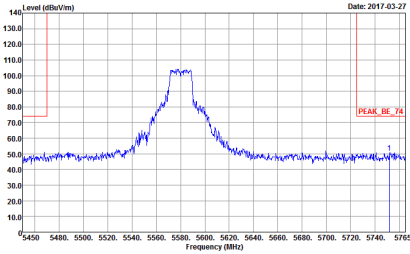
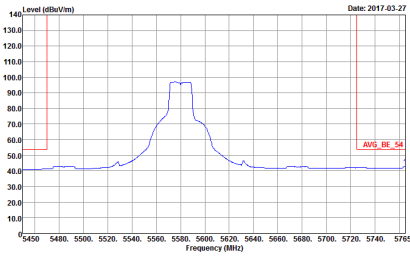


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH13-hY Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	Left blank
Avg.	<p>Site : 03CH13-hY Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	Left blank

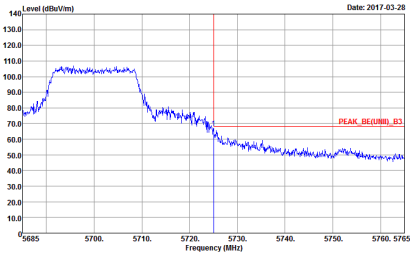
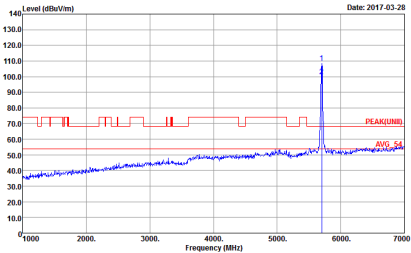


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HV Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak</p>	Left blank

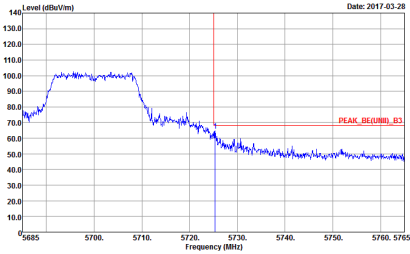
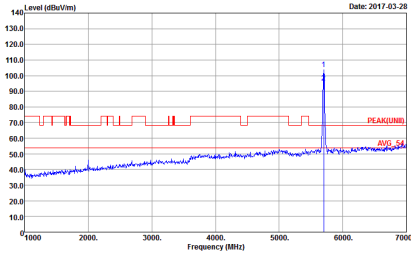


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH116 5580MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>           Date: 2017.03.27            Site : 03CH13-HV            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak         </p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>           Date: 2017.03.27            Site : 03CH13-HV            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak         </p>	<p>Left blank</p>



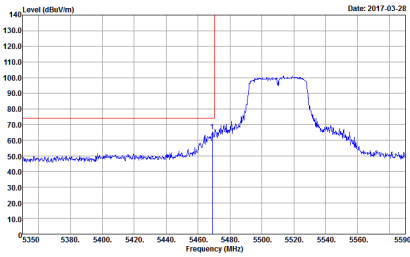
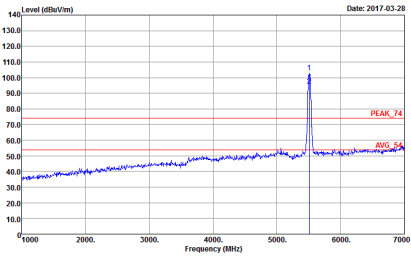
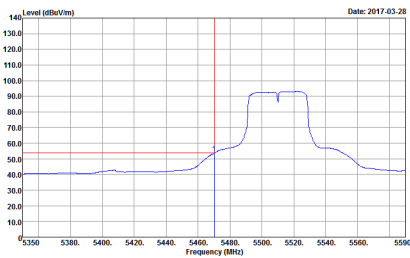
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY          Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto          Detector : Peak</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto          Detector : Peak</p>



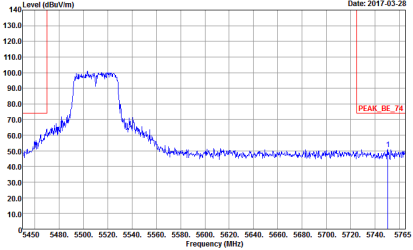
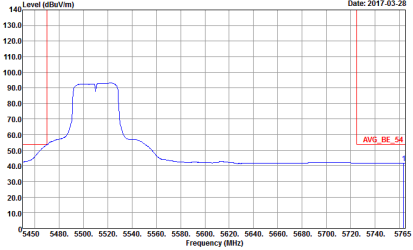
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Vertical	Fundamental
<p><b>Peak.</b></p>	 <p>Date: 2017-03-28</p> <p>Site : 03CH13-HY            Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	 <p>Date: 2017-03-28</p> <p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>



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

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	Left blank



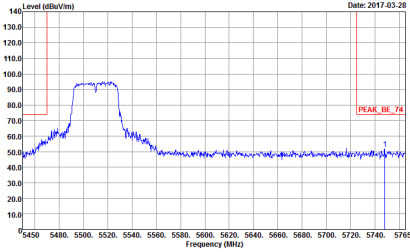
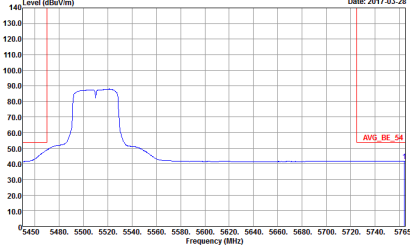
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HV            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-HV            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	<p>Left blank</p>



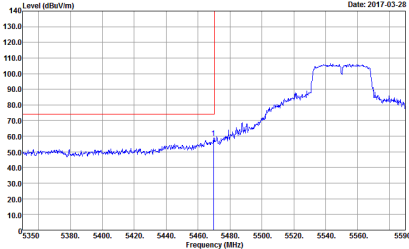
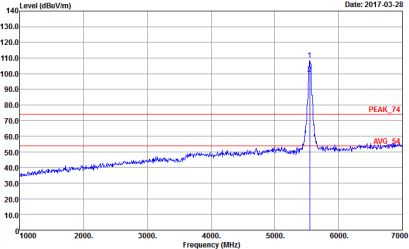
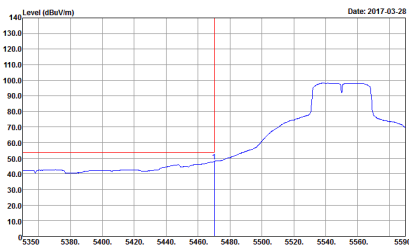


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - L	
<p style="text-align: center;"><b>1</b></p> <p style="text-align: center;"><b>Vertical</b></p> <p style="text-align: center;"><b>Fundamental</b></p>	<p>Site : 03CH13-HV          Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto          Detector : Peak</p>	<p>Site : 03CH13-HV          Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL          : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto          Detector : Peak</p>
<p style="text-align: center;"><b>Avg.</b></p>	<p>Site : 03CH13-HV          Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL          : RBW:1000.000KHz VBW:0.010KHz SWT:Auto          Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

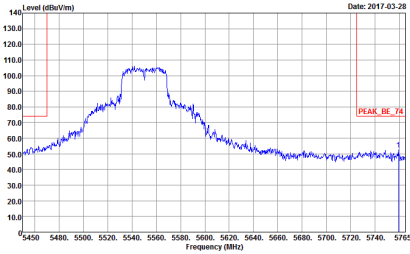
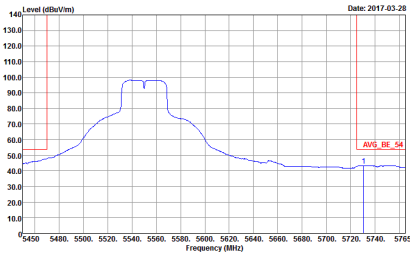


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH102 5510MHz - R	
1	Vertical	Fundamental
Peak	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-1HV            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	Left blank
Avg.	 <p>Date: 2017.03.28</p> <p>Site : 03CH13-1HV            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            RBW:1000.000KHz VBW:01010KHz SWT:Auto            Detector : Peak</p>	Left blank

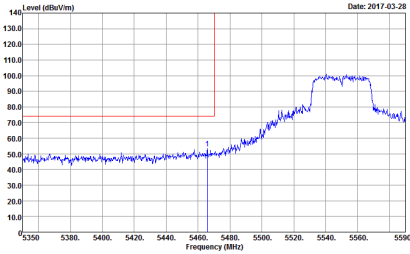
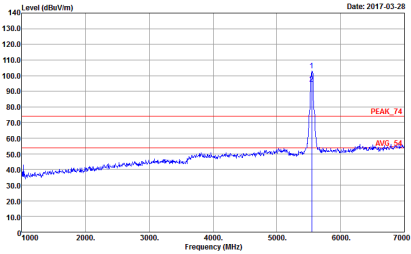
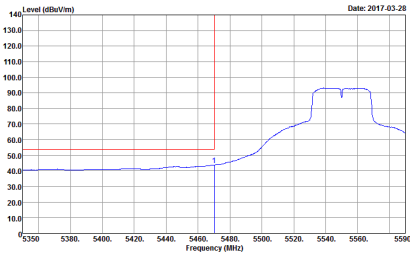


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
1	<p style="text-align: center;"><b>Horizontal</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_74 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

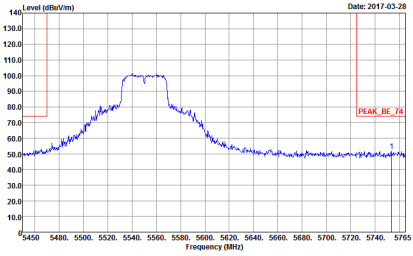
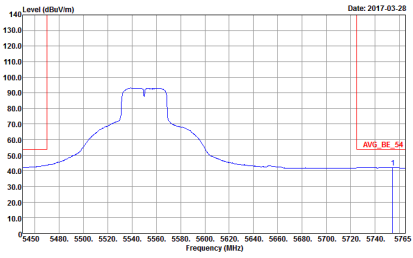


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Horizontal	Fundamental
<p><b>Peak</b></p>	 <p>           Site : 03CH13-HV            Condition : PEAK_BE_74 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak         </p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>           Site : 03CH13-HV            Condition : AVG_BE_54 3m HORN_9120D_1241 HORIZONTAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak         </p>	<p>Left blank</p>

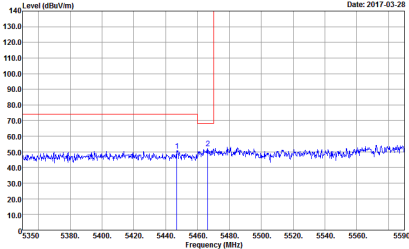
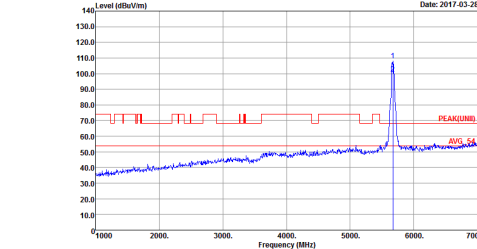
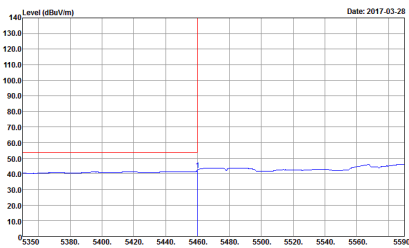


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - L	
<p>1</p> <p>Vertical</p> <p>Peak</p>	 <p>Site : 03CH13-HV Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	<p>Fundamental</p>  <p>Site : 03CH13-HV Condition : PEAK_74 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>
<p>Avg.</p>	 <p>Site : 03CH13-HV Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak</p>	<p>Left blank</p>

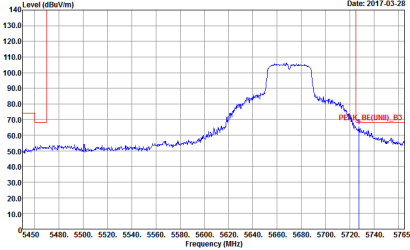


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH110 5550MHz - R	
1	Vertical	Fundamental
Peak	 <p>           Date: 2017.03.28            Site : 03CH13-HV            Condition : PEAK_BE_74 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak         </p>	Left blank
Avg.	 <p>           Date: 2017.03.28            Site : 03CH13-HV            Condition : AVG_BE_54 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak         </p>	Left blank



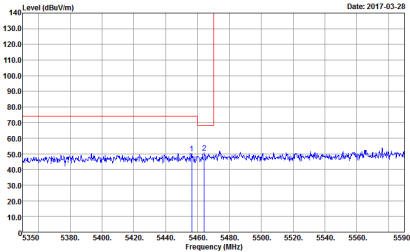
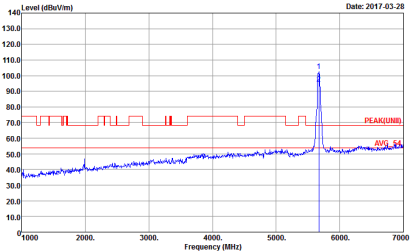
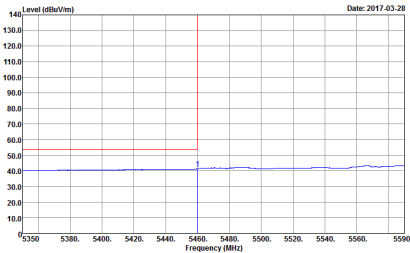
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY            Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_83 3m HORN_9120D_1241 HORIZONTAL Detector : Peak</p>	Left blank





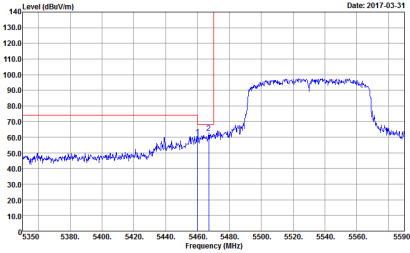
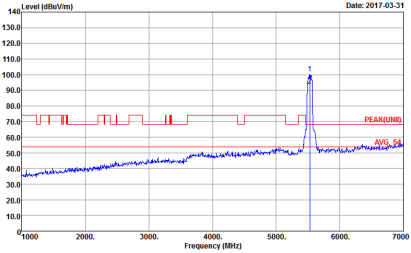
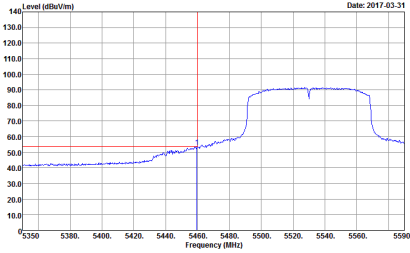
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>



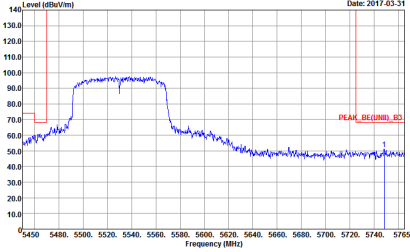
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11n HT40 CH134 5670MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_83 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	Left blank



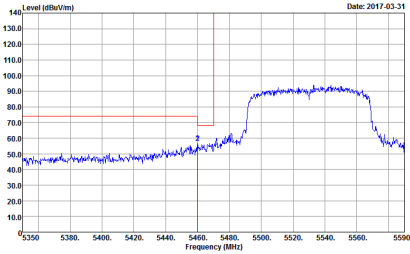
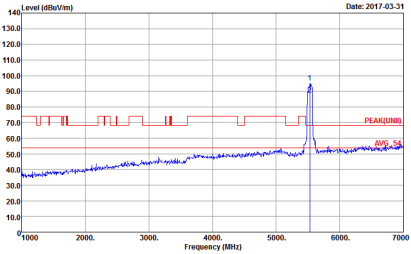
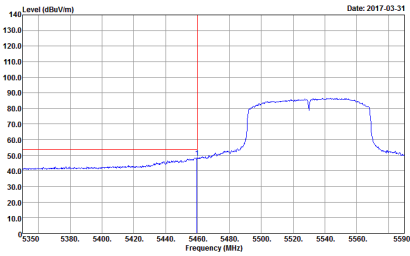
**Band 3 5470~5725MHz**  
**WIFI 802.11ac VHT80 (Band Edge @ 3m)**

WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
1	<p align="center"><b>Horizontal</b></p>  <p>Site : 03CH13-HY  Condition : PEAK_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL  Detector : Peak</p>	<p align="center"><b>Fundamental</b></p>  <p>Site : 03CH13-HY  Condition : PEAK(UNII) 3m HORN_9120D_1241 HORIZONTAL  Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY  Condition : AVG_BE(UNII)_B3 3m HORN_9120D_1241 HORIZONTAL  Detector : Peak</p>	<p align="center">Left blank</p>



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Date: 2017.03.31</p> <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_83 3m HORN_9120D_1241 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	Left blank

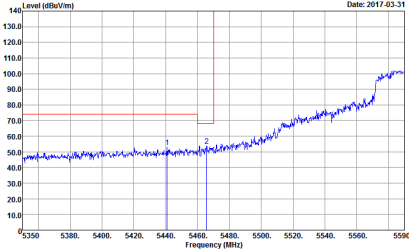
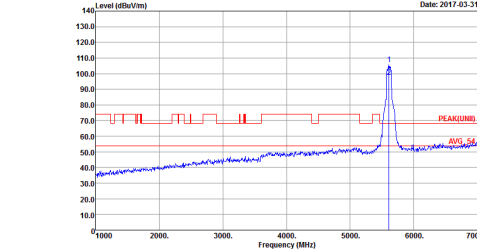
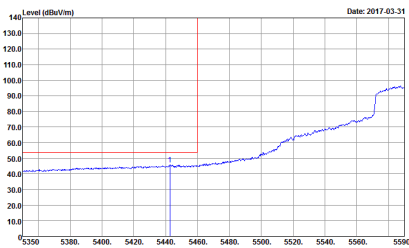


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - L	
<p style="text-align: center;"><b>1</b></p>	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>
<p style="text-align: center;"><b>Peak</b></p>	 <p>Site : 03CH13-HY            Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:5.000KHz SWT:Auto            Detector : Peak</p>	<p style="text-align: center;"><b>Left blank</b></p>
<p style="text-align: center;"><b>Avg.</b></p>		

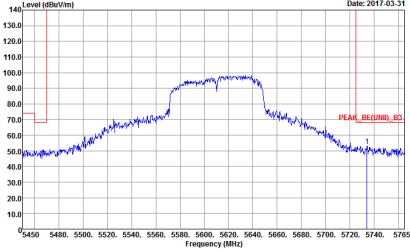


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH106 5530MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_B3 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	Left blank



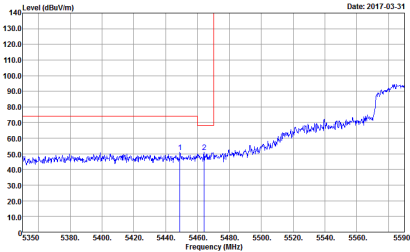
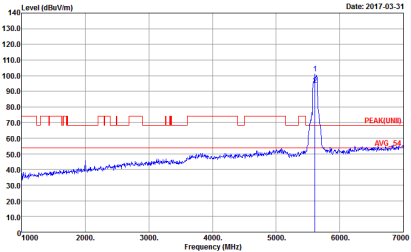
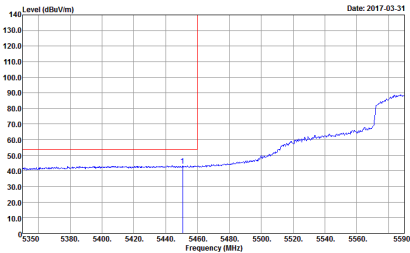
WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY            Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 HORIZONTAL            Detector : Peak</p>	Left blank



WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_83 3m HORN_9120D_1241 VERTICAL Detector : Peak</p>	Left blank





WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - L	
1	<p style="text-align: center;"><b>Vertical</b></p>  <p>Site : 03CH13-HY            Condition : PEAK_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p style="text-align: center;"><b>Fundamental</b></p>  <p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>
Avg.	 <p>Site : 03CH13-HY            Condition : AVG_BE(UNIT)_B3 3m HORN_9120D_1241 VERTICAL            : RBW:1000.000KHz VBW:5.000KHz SWT:Auto            Detector : Peak</p>	<p style="text-align: center;">Left blank</p>

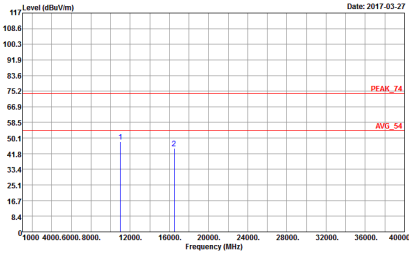
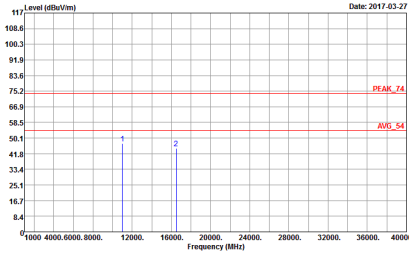


WIFI	Band 3 5470~5725MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz - R	
1	Vertical	Fundamental
Peak	<p>Site : 03CH13-HY Condition : PEAK_BE(UNIT)_83 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	Left blank



Band 3 - 5470~5725MHz

WIFI 802.11a (Harmonic @ 3m)

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH100 5500MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	 <p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11a CH140 5700MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



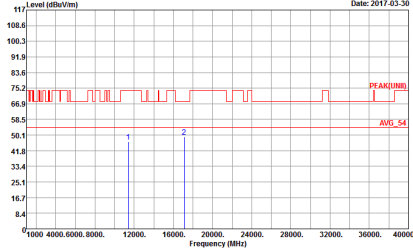
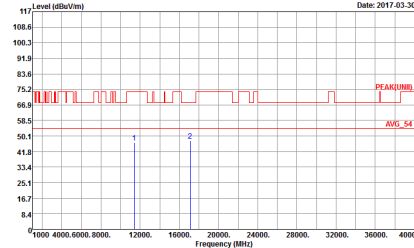
Band 3 5470~5725MHz
WIFI 802.11n HT20 (Harmonic @ 3m)

Table with 3 columns: WIFI, ANT, and antenna orientation (Horizontal/Vertical). It contains two graphs showing Level (dBuV/m) vs Frequency (MHz) for Peak and Avg. measurements. Includes site and condition details for each graph.



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH116 5580MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak</p>

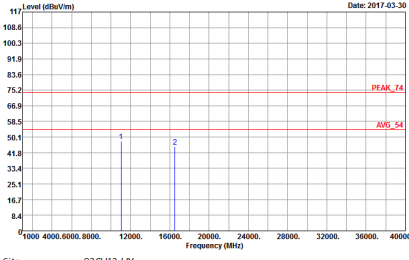
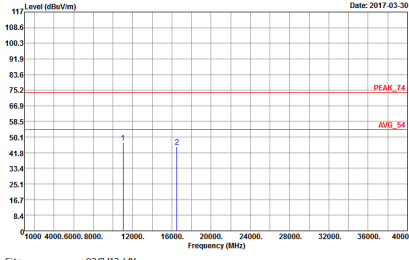


WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT20 CH140 5700MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY  Condition : PEAK(UNIT) 3m SHF_HORN_584 HORIZONTAL  Detector : Peak</p>	 <p>Site : 03CH13-HY  Condition : PEAK(UNIT) 3m SHF_HORN_584 VERTICAL  Detector : Peak</p>





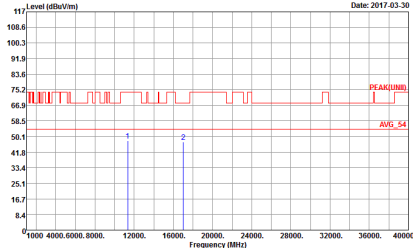
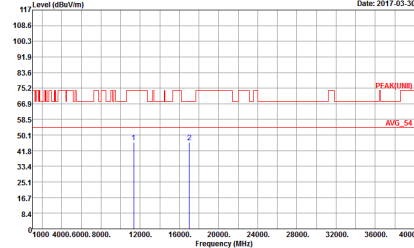
**Band 3 5470~5725MHz**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH102 5510MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	 <p>Site : 03CH13-HY            Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK_74 3m SHF_HORN_584 VERTICAL            Detector : Peak</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH110 5550MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK_74 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11n HT40 CH134 5670MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	 <p>Site : 03CH13-HY            Condition : PEAK(LINE1) 3m SHF_HORN_584 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK(LINE1) 3m SHF_HORN_584 VERTICAL            Detector : Peak</p>



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

Table with 2 columns: Horizontal and Vertical. Each column contains a spectral plot showing Level (dBuV/m) vs Frequency (MHz) with peak and average markers. Includes site and condition details for each plot.



WIFI	Band 3 5470~5725MHz Harmonic @ 3m	
ANT	802.11ac VHT80 CH122 5610MHz	
1	Horizontal	Vertical
<p>Peak</p> <p>Avg.</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m SHF_HORN_584 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(LINE) 3m SHF_HORN_584 VERTICAL Detector : Peak</p>



Band 3 - Straddle Channel

WIFI 802.11a (Fundamental @ 3m)

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>	<p>Site : 03CH13-HY Condition : PEAK(UNII) 3m HORN_91200_1241 VERTICAL RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak</p>



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

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
<b>Peak</b>  <b>Avg.</b>	<p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>	<p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak</p>



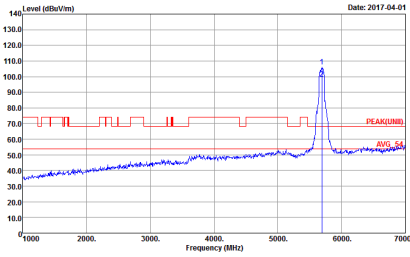
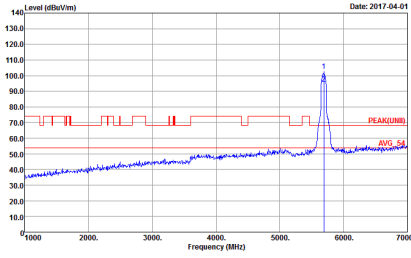
**Band 3 – Straddle Channel**  
**WIFI 802.11n HT40 (Fundamental @ 3m)**

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
<b>Peak</b>  <b>Avg.</b>	<p>           Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak         </p>	<p>           Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL            : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak         </p>



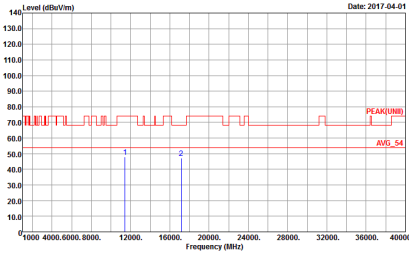
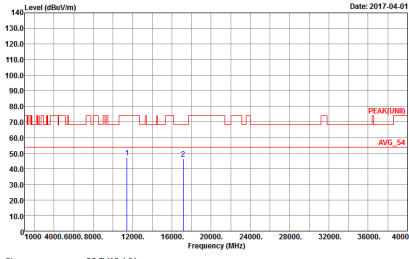


**Band 3 – Straddle Channel**  
**WIFI 802.11ac VHT80 (Fundamental @ 3m)**

WIFI	Band 3 Straddle Channel Fundamental @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_91200_1241 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNIT) 3m HORN_91200_1241 VERTICAL            Detector : Peak</p>



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11a CH144 5720MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL          Detector : Peak</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL          Detector : Peak</p>

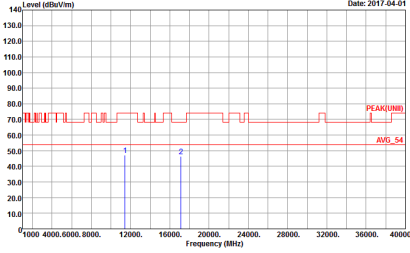
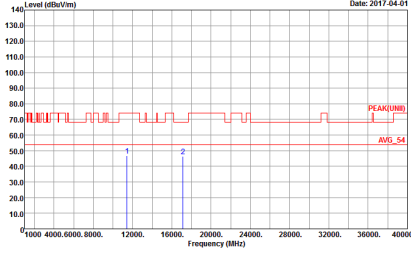


**Band 3 – Straddle Channel**  
**WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT20 CH144 5720MHz	
1	Horizontal	Vertical
<b>Peak</b>  <b>Avg.</b>	<p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL            Detector : Peak</p>	<p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL            Detector : Peak</p>

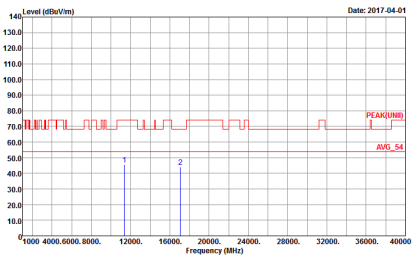
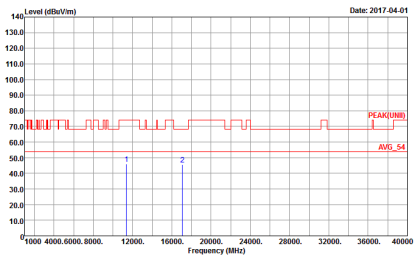


**Band 3 – Straddle Channel**  
**WIFI 802.11n HT40 (Harmonic @ 3m)**

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11n HT40 CH142 5710MHz	
1	Horizontal	Vertical
<p><b>Peak</b> <b>Avg.</b></p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL          Detector : Peak</p>	 <p>Site : 03CH13-HY          Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL          Detector : Peak</p>



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

WIFI	Band 3 Straddle Channel Harmonic @ 3m	
ANT	802.11ac VHT80 CH138 5690MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m SHF_HORN_584 HORIZONTAL            Detector : Peak</p>	 <p>Site : 03CH13-HY            Condition : PEAK(UNII) 3m SHF_HORN_584 VERTICAL            Detector : Peak</p>



Emission below 1GHz

5GHz WIFI 802.11ac VHT80 (LF)

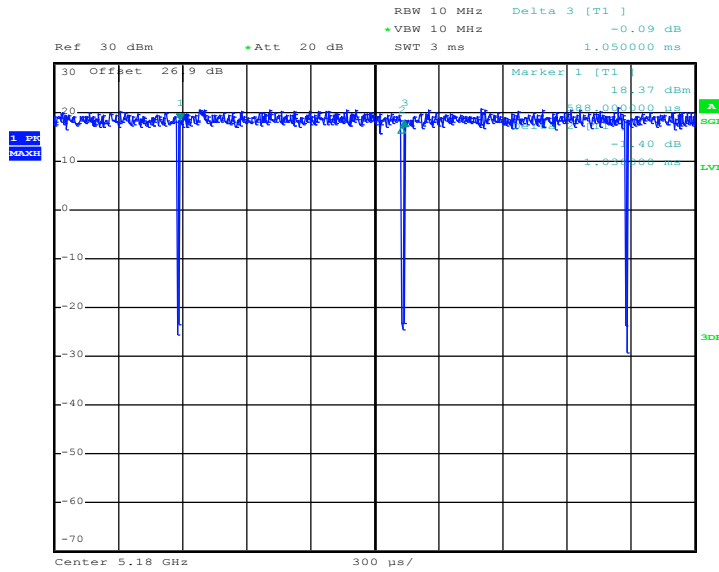
WIFI	5GHz WIFI	
ANT	802.11ac VHT80 LF	
1	<b>Horizontal</b>	<b>Vertical</b>
QP / Peak	<p>Site : 03CH13-HY Condition : QP 3m BIL06_40103 HORIZONTAL Detector : Peak</p>	<p>Site : 03CH13-HY Condition : QP 3m BIL06_40103 VERTICAL Detector : Peak</p>



### Appendix E. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
802.11a	98.86	-	-	10Hz
5GHz 802.11n HT20	99.07	-	-	10Hz
5GHz 802.11n HT40	98.13	-	-	10Hz
5GHz 802.11ac VHT20	98.78	-	-	10Hz
5GHz 802.11ac VHT40	97.59	486	2.06	3kHz
5GHz 802.11ac VHT80	93.85	244	4.10	10kHz

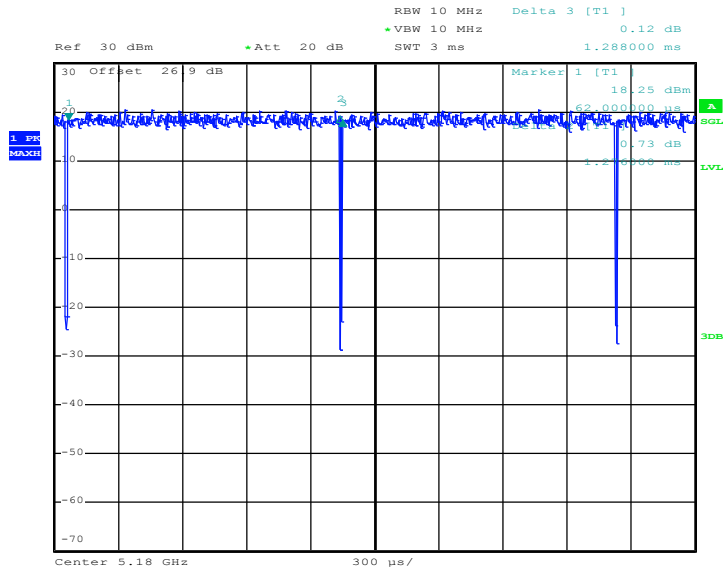
#### 802.11a



Date: 23.MAR.2017 10:24:51

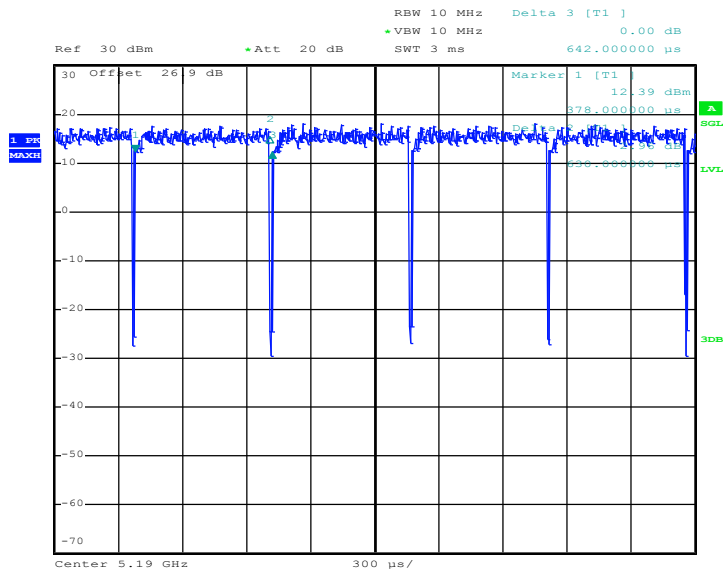


802.11n HT20



Date: 23.MAR.2017 10:17:46

802.11n HT40

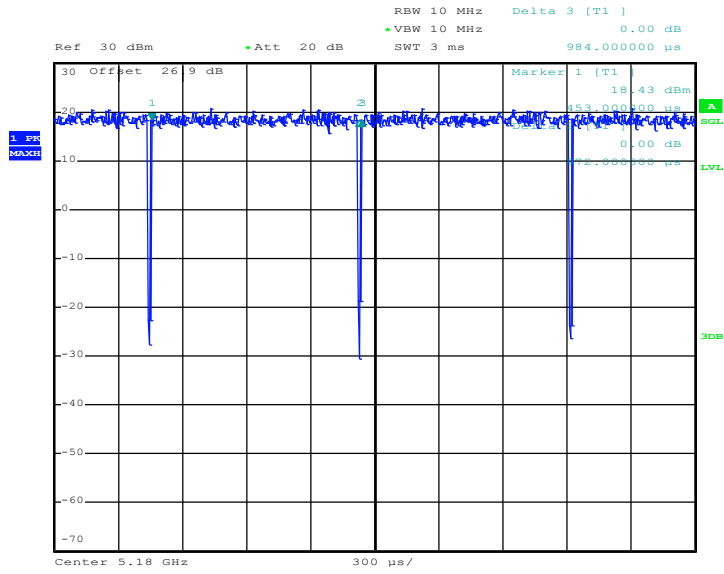


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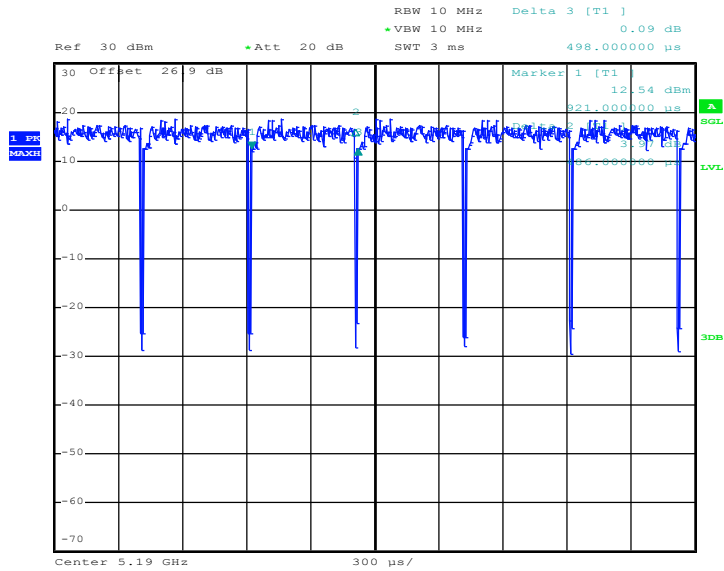


802.11ac VHT20



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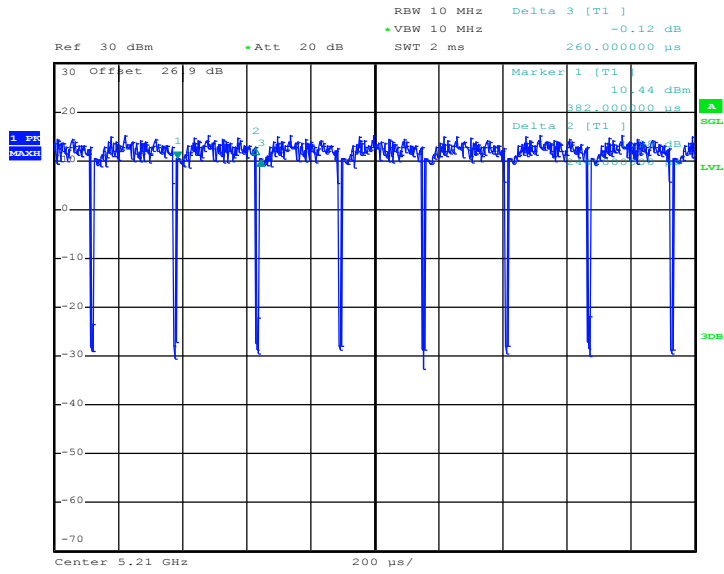
802.11ac VHT40



Date: 23.MAR.2017 10:22:01



802.11ac VHT80



Date: 23.MAR.2017 10:23:30