



# FCC RF Test Report

**APPLICANT** : SHARP CORPORATION, IoT Communication BU  
**EQUIPMENT** : Smart Phone  
**FCC ID** : APYHRO00245  
**STANDARD** : FCC Part 15 Subpart E §15.407  
**CLASSIFICATION** : (NII) Unlicensed National Information Infrastructure

The product was received on Oct. 15, 2016 and testing was completed on Nov. 13, 2016. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



## **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.**

SPORTON INTERNATIONAL INC.

TEL : 886-3-327-3456

FAX : 886-3-328-4978

FCC ID : APYHRO00245

Page Number : 1 of 34

Report Issued Date : Dec. 08, 2016

Report Version : Rev. 01

Report Template No.: BU5-FR15EWL AC Version 1.4



# TABLE OF CONTENTS

**REVISION HISTORY..... 3**

**SUMMARY OF TEST RESULT ..... 4**

**1 GENERAL DESCRIPTION ..... 5**

    1.1 Applicant ..... 5

    1.2 Manufacturer..... 5

    1.3 Product Feature of Equipment Under Test..... 5

    1.4 Product Specification of Equipment Under Test..... 6

    1.5 Modification of EUT ..... 6

    1.6 Testing Location ..... 7

    1.7 Applicable Standards..... 8

**2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST ..... 9**

    2.1 Carrier Frequency Channel ..... 9

    2.2 Test Mode..... 10

    2.3 Connection Diagram of Test System..... 12

    2.4 Support Unit used in test configuration and system ..... 13

    2.5 EUT Operation Test Setup ..... 13

    2.6 Measurement Results Explanation Example..... 13

**3 TEST RESULT ..... 14**

    3.1 26dB & 99% Occupied Bandwidth Measurement ..... 14

    3.2 Maximum Conducted Output Power Measurement ..... 16

    3.3 Power Spectral Density Measurement ..... 18

    3.4 Unwanted Radiated Emission Measurement ..... 21

    3.5 AC Conducted Emission Measurement..... 26

    3.6 Frequency Stability Measurement ..... 30

    3.7 Automatically Discontinue Transmission ..... 31

    3.8 Antenna Requirements ..... 32

**4 LIST OF MEASURING EQUIPMENTS..... 33**

**5 UNCERTAINTY OF EVALUATION ..... 34**

**APPENDIX A. CONDUCTED TEST RESULTS**

**APPENDIX B. RADIATED SPURIOUS EMISSION**

**APPENDIX C. RADIATED SPURIOUS EMISSION PLOTS**

**APPENDIX D. DUTY CYCLE PLOTS**

**APPENDIX E. SETUP PHOTOGRAPHS**





### 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 3.26 dB at 75.590 MHz
3.5	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 15.20 dB at 0.606 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

**SHARP CORPORATION, IoT Communication BU**

2-13-1, Hachihonmatsu-lida, Higashi-hiroshima-shi, Hiroshima pref. 739-0192, Japan

## 1.2 Manufacturer

**SHARP CORPORATION, IoT Communication BU**

2-13-1, Hachihonmatsu-lida, Higashi-hiroshima-shi, Hiroshima pref. 739-0192, Japan

## 1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart Phone
FCC ID	APYHRO00245
Sample 1	eMMC Brand Name : Samsung
Sample 2	eMMC Brand Name : hynix
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE/NFC WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE
HW Version	PP1
SW Version	CA240
EUT Stage	Identical Prototype

**Remark:**

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. All tests were performed with sample 1.



### 1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
<b>Tx/Rx Frequency Range</b>	5180 MHz ~ 5240 MHz 5260 MHz ~ 5320 MHz 5500 MHz ~ 5700 MHz
<b>Maximum Output Power to Antenna</b>	<p><b>&lt;5180 MHz ~ 5240 MHz&gt;</b>                      802.11a : 11.19 dBm / 0.0132 W                      802.11n HT20 : 11.39 dBm / 0.0138 W                      802.11n HT40 : 11.35 dBm / 0.0136 W                      802.11ac VHT20 : 11.38 dBm / 0.0137 W                      802.11ac VHT40 : 11.34 dBm / 0.0136 W                      802.11ac VHT80 : 10.73 dBm / 0.0118 W</p> <p><b>&lt;5260 MHz ~ 5320 MHz&gt;</b>                      802.11a : 11.18 dBm / 0.0131 W                      802.11n HT20 : 11.28 dBm / 0.0134 W                      802.11n HT40 : 11.18 dBm / 0.0131 W                      802.11ac VHT20 : 11.25 dBm / 0.0133 W                      802.11ac VHT40 : 11.16 dBm / 0.0131 W                      802.11ac VHT80 : 11.29 dBm / 0.0135 W</p> <p><b>&lt;5500 MHz ~ 5700 MHz &gt;</b>                      802.11a : 11.08 dBm / 0.0128 W                      802.11n HT20 : 11.25 dBm / 0.0133 W                      802.11n HT40 : 11.25 dBm / 0.0133 W                      802.11ac VHT20 : 11.23 dBm / 0.0133 W                      802.11ac VHT40 : 11.24 dBm / 0.0133 W                      802.11ac VHT80 : 11.04 dBm / 0.0127 W</p>
<b>99% Occupied Bandwidth</b>	802.11a : 18.40 MHz 802.11n HT20 : 19.15 MHz 802.11n HT40 : 36.60 MHz 802.11ac VHT80 : 75.12 MHz
<b>Antenna Gain / Gain</b>	<p><b>&lt;5150 MHz ~ 5250 MHz&gt;</b>                      ILA Antenna with gain 0.00 dBi</p> <p><b>&lt;5250 MHz ~ 5350 MHz&gt;</b>                      ILA Antenna with gain 0.00 dBi</p> <p><b>&lt;5470 MHz ~ 5725 MHz&gt;</b>                      ILA Antenna with gain 0.00 dBi</p>
<b>Type of Modulation</b>	802.11a/n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)

**Note:** WLAN operation in 5600 MHz ~ 5650 MHz is notched.

### 1.5 Modification of EUT

No modifications are made to the EUT during all test items.



### 1.6 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

<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 (SHENZHEN) INC.	
<b>Test Site Location</b>	No. 101, Complex Building C, Guanlong Village, Xili Town, Nanshan District, Shenzhen, Guangdong, P.R.C. TEL: +86-755-8637-9589	
<b>Test Site No.</b>	<b>Sporton Site No. :</b>	
	03CH03-SZ	

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



## 1.7 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

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

### 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

**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 : GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + Earphone + NFC On + USB Cable (Charging from Adapter)

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

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

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



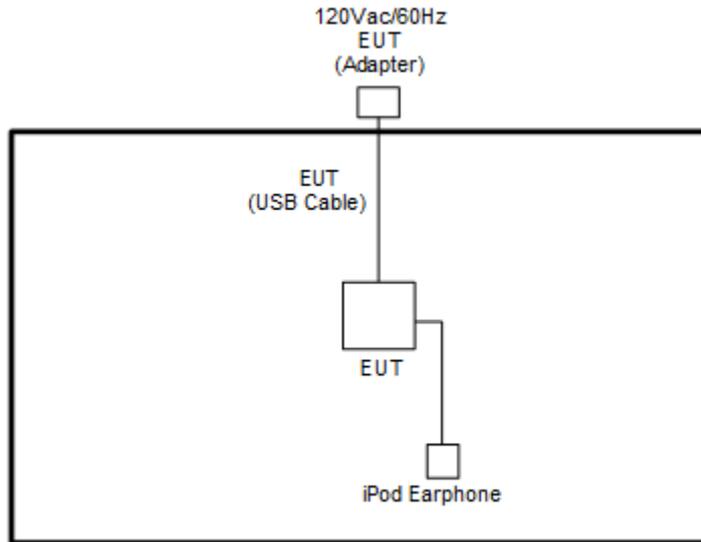
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT20	802.11ac VHT20	802.11ac VHT20
L	Low	36	52	100
M	Middle	44	60	116
H	High	48	64	140

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

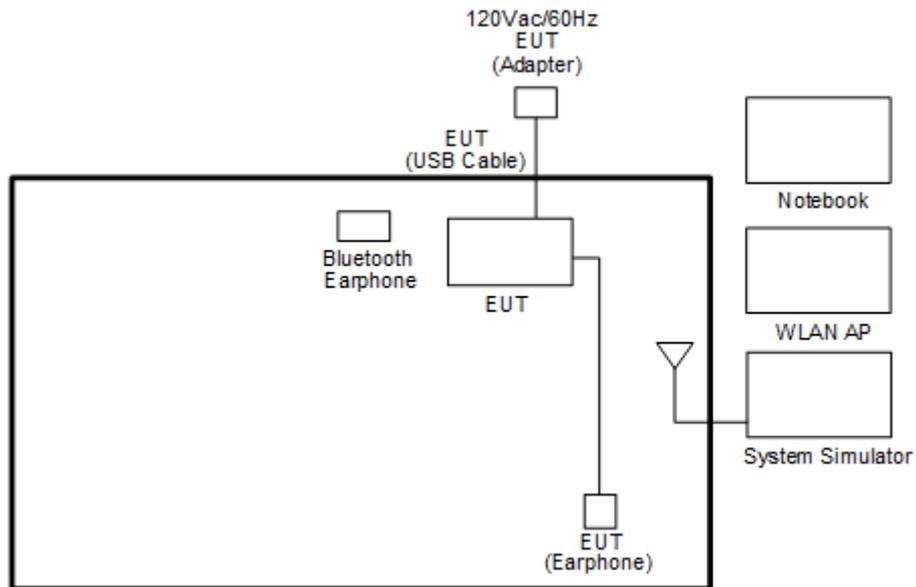
Ch. #		Band I : 5150-5250 MHz	Band II : 5250-5350 MHz	Band III : 5470-5725MHz
		802.11ac VHT80	802.11ac VHT80	802.11ac VHT80
L	Low	-	-	-
M	Middle	42	58	106
H	High	-	-	-

## 2.3 Connection Diagram of Test System

### < Radiated Emission Mode >



### < AC Conducted Emission Mode >





## 2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
4.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
6.	USB Cable	SHARP(P1X accessory)	CUBB01M-FA002-DH	N/A	Shielded, 0.9m	N/A
7.	Earphone	SONY	SHLDL1	N/A	Unshielded, 1.5m	N/A
8.	Adapter	SHARP	DSA-10PFL-05 FUS 050200	N/A	N/A	N/A

## 2.5 EUT Operation Test Setup

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

## 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.

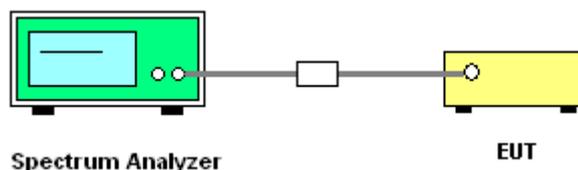
##### 3.1.2 Measuring Instruments

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.

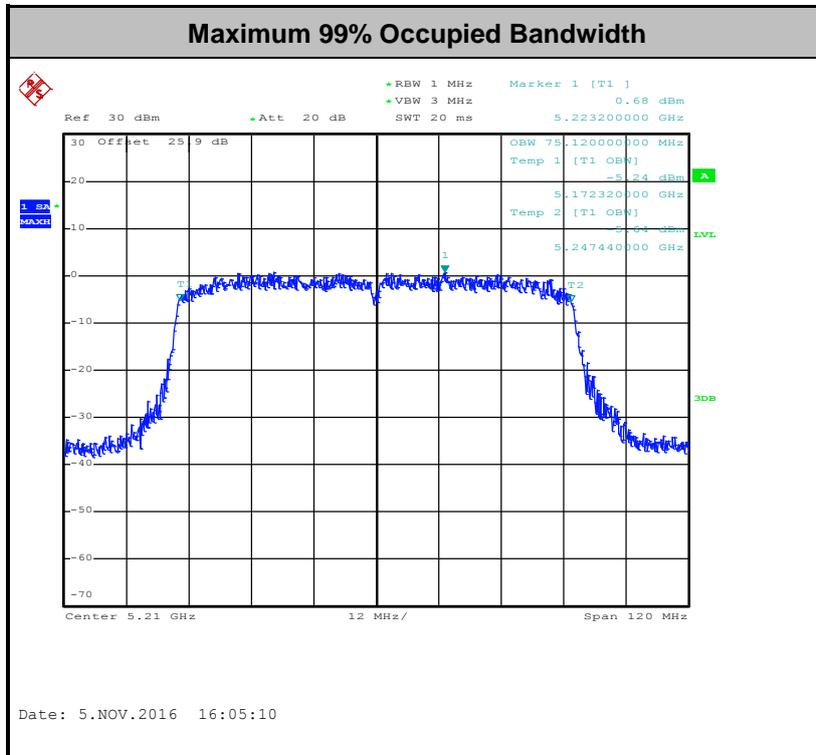
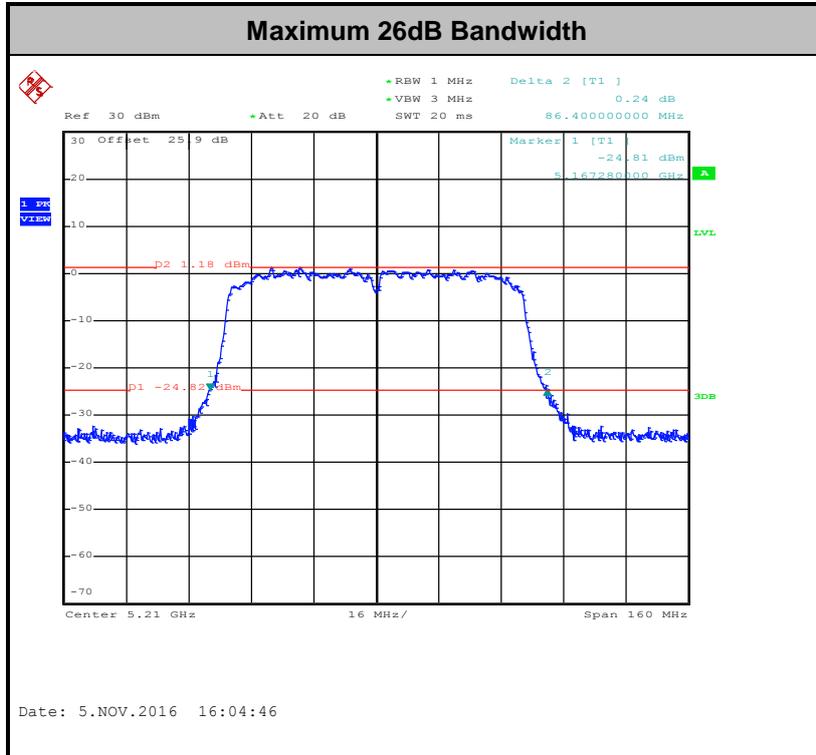
##### 3.1.4 Test Setup





### 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.

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

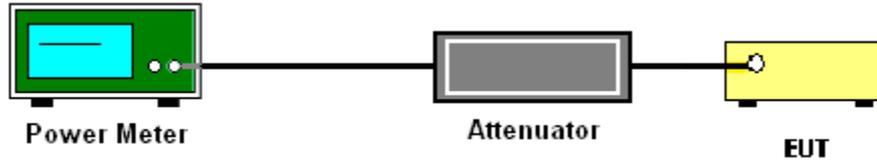
The testing follows Method PM of FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03.

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.

### 3.2.4 Test Setup

For normal 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.

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

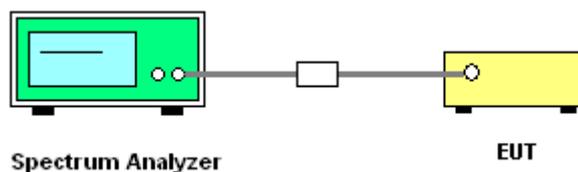
The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03.  
Section F) Maximum power spectral density.

#### # 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.

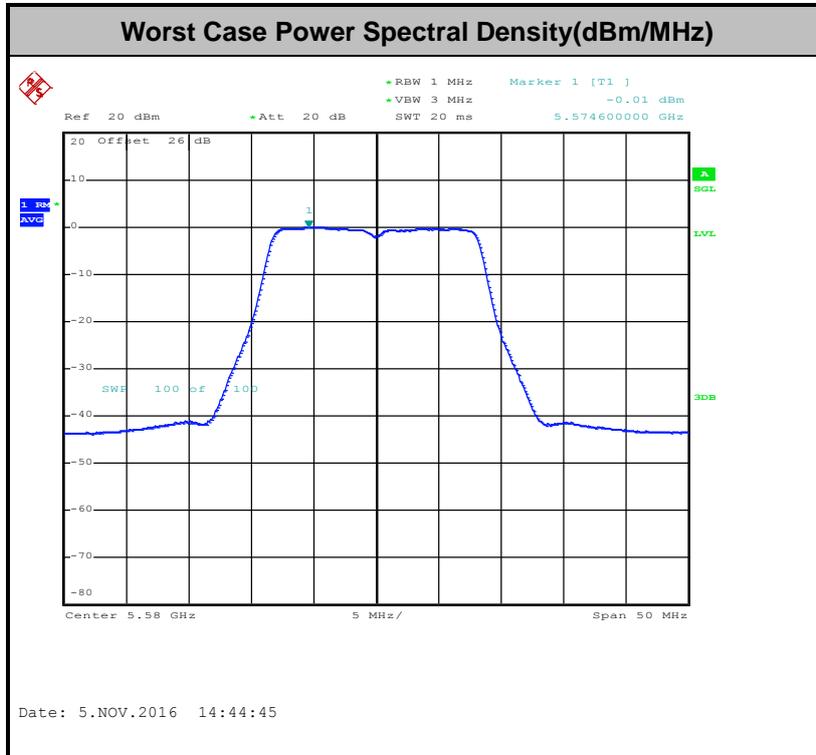
### 3.3.4 Test Setup





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

#### 3.4.1 Limit of Unwanted Emissions

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

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

For transmitters operating in the 5470-5725MHz 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.

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



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

(3) KDB789033 D02 v01r03 G)2)c) As specified in 15.407(b), emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz (or -17 dBm/MHz as specified in 15.407(b)(4)). However, an out-of-band emission that complies with both the average and peak limits of 15.209 is not required to satisfy the -27 dBm/MHz or -17 dBm/MHz peak emission limit.

### 3.4.2 Measuring Instruments

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

### 3.4.3 Test Procedures

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v01r03. Section G) Unwanted emissions measurement.

(1) Procedure for Unwanted Emissions Measurements Below 1000MHz

- RBW = 120 kHz
- VBW = 300 kHz
- Detector = Peak
- Trace mode = max hold

(2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

- RBW = 1 MHz
- VBW ≥ 3 MHz
- Detector = Peak
- Sweep time = auto
- Trace mode = max hold

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

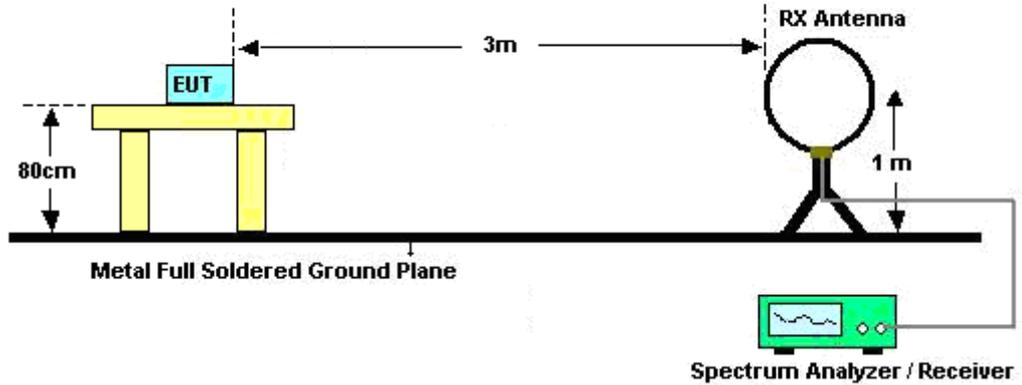
- RBW = 1 MHz
- VBW = 10 Hz, when duty cycle is no less than 98 percent.
- $VBW \geq 1/T$ , when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.



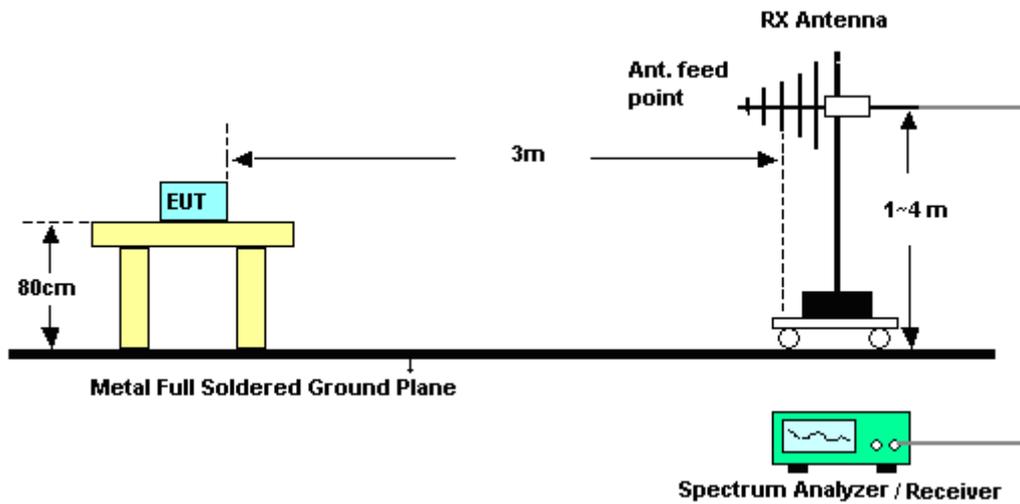
2. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The antenna is a broadband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

### 3.4.4 Test Setup

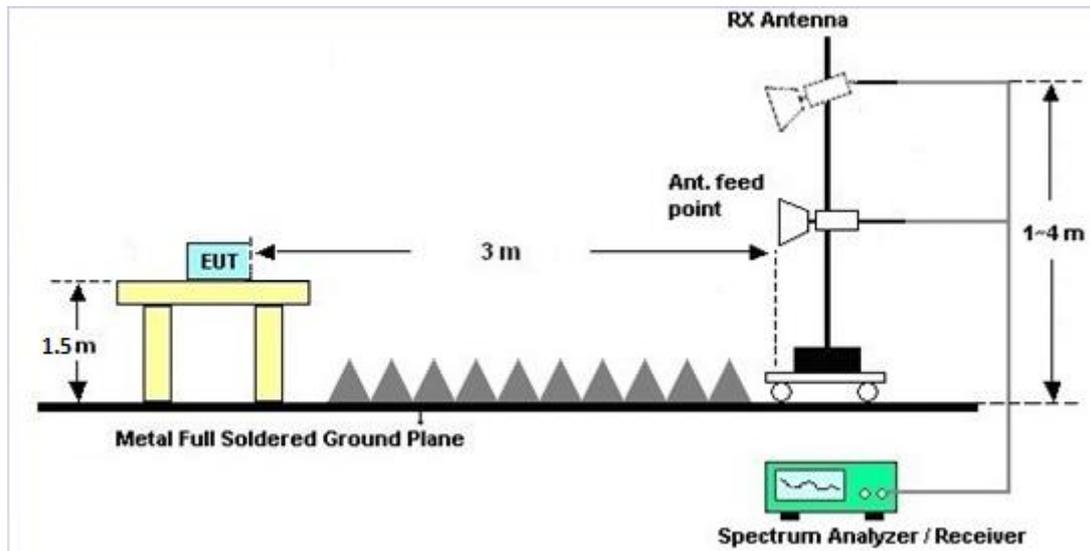
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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

### 3.4.6 Test Result of Radiated Spurious at Band Edges

Please refer to Appendix B and C.

### 3.4.7 Duty Cycle

Please refer to Appendix D.

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

Please refer to Appendix B and C.



### 3.5 AC Conducted Emission Measurement

#### 3.5.1 Limit of AC Conducted Emission

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

Frequency of emission (MHz)	Conducted limit (dB $\mu$ 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.

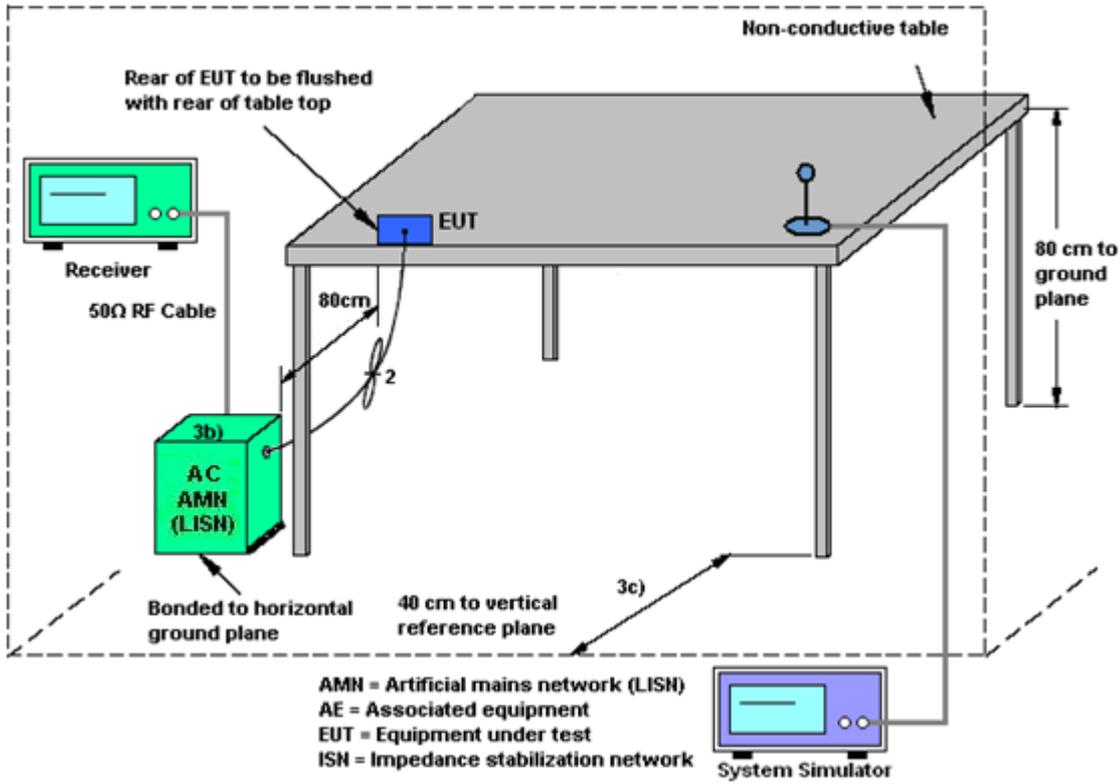
#### 3.5.2 Measuring Instruments

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.

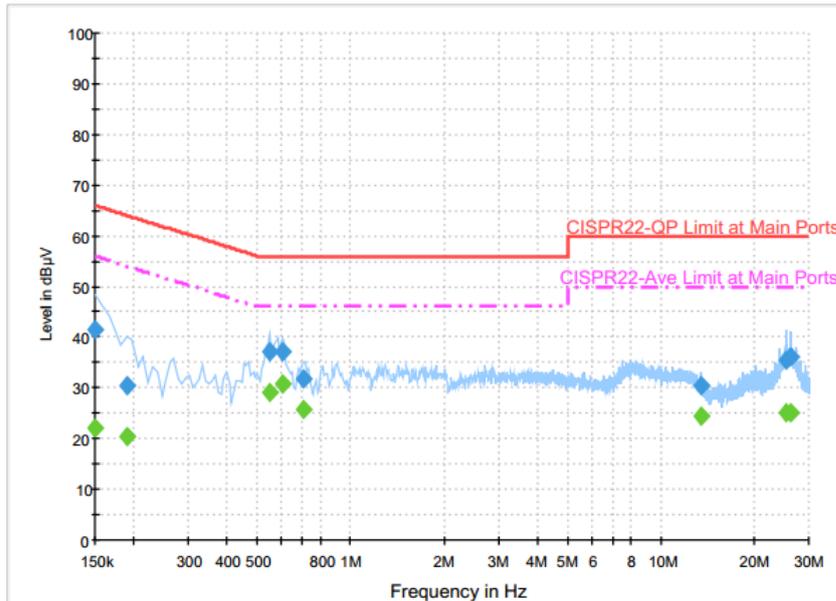
### 3.5.4 Test Setup





### 3.5.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	23~25°C
Test Engineer :	Arthur Hsieh	Relative Humidity :	50~52%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + Earphone + NFC On + USB Cable (Charging from Adapter)		



**Final Result : QuasiPeak**

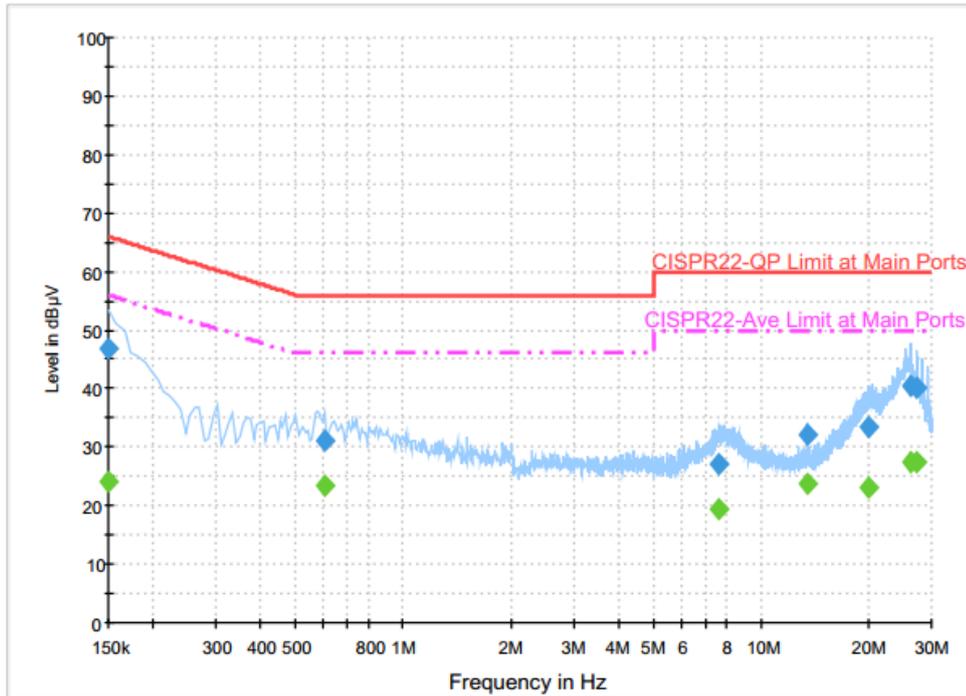
Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	41.4	Off	L1	19.6	24.6	66.0
0.190000	30.5	Off	L1	19.6	33.5	64.0
0.550000	37.3	Off	L1	19.6	18.7	56.0
0.606000	37.1	Off	L1	19.6	18.9	56.0
0.702000	31.6	Off	L1	19.6	24.4	56.0
13.558000	30.6	Off	L1	20.3	29.4	60.0
25.326000	35.4	Off	L1	20.9	24.6	60.0
26.334000	36.1	Off	L1	21.0	23.9	60.0

**Final Result : Average**

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	22.2	Off	L1	19.6	33.8	56.0
0.190000	20.4	Off	L1	19.6	33.6	54.0
0.550000	29.2	Off	L1	19.6	16.8	46.0
0.606000	30.8	Off	L1	19.6	15.2	46.0
0.702000	25.8	Off	L1	19.6	20.2	46.0
13.558000	24.3	Off	L1	20.3	25.7	50.0
25.326000	25.1	Off	L1	20.9	24.9	50.0
26.334000	25.1	Off	L1	21.0	24.9	50.0



Test Mode :	Mode 1	Temperature :	23~25°C
Test Engineer :	Arthur Hsieh	Relative Humidity :	50~52%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM850 Idle + Bluetooth Link + WLAN (5GHz) Link + Earphone + NFC On + USB Cable (Charging from Adapter)		



**Final Result : QuasiPeak**

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	46.7	Off	N	19.6	19.3	66.0
0.606000	30.9	Off	N	19.6	25.1	56.0
7.670000	27.1	Off	N	20.0	32.9	60.0
13.558000	32.2	Off	N	20.4	27.8	60.0
20.054000	33.6	Off	N	20.8	26.4	60.0
26.342000	40.5	Off	N	21.1	19.5	60.0
27.374000	40.1	Off	N	21.2	19.9	60.0

**Final Result : Average**

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	24.0	Off	N	19.6	32.0	56.0
0.606000	23.5	Off	N	19.6	22.5	46.0
7.670000	19.3	Off	N	20.0	30.7	50.0
13.558000	23.8	Off	N	20.4	26.2	50.0
20.054000	23.2	Off	N	20.8	26.8	50.0
26.342000	27.5	Off	N	21.1	22.5	50.0
27.374000	27.5	Off	N	21.2	22.5	50.0

## 3.6 Frequency Stability Measurement

### 3.6.1 Limit of Frequency Stability

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

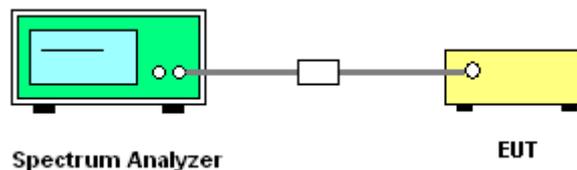
### 3.6.2 Measuring Instruments

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

### 3.6.3 Test Procedures

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

### 3.6.4 Test Setup



### 3.6.5 Test Result of Frequency Stability

Please refer to Appendix A.



## **3.7 Automatically Discontinue Transmission**

### **3.7.1 Limit of Automatically Discontinue Transmission**

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

### **3.7.2 Measuring Instruments**

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

### **3.7.3 Test Result of Automatically Discontinue Transmission**

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



## **3.8 Antenna Requirements**

### **3.8.1 Standard Applicable**

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

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

An embedded-in antenna design is used.

### **3.8.3 Antenna Gain**

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



## 4 List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	300MHz~40GHz	Sep. 29, 2016	Nov. 02, 2016 ~ Nov. 05, 2016	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Nov. 02, 2016 ~ Nov. 05, 2016	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100057	9kHz-40GHz	Nov. 23, 2015	Nov. 02, 2016 ~ Nov. 05, 2016	Nov. 22, 2016	Conducted (TH05-HY)
Temperature Chamber	ESPEC	SH-641	92013720	-40°C ~90°C	Sep. 01, 2016	Nov. 02, 2016 ~ Nov. 05, 2016	Aug. 31, 2017	Conducted (TH05-HY)
Programmable Power Supply	GW Instek	PSS-2005	EL890094	1V~20V 0.5A~5A	Oct. 11, 2016	Nov. 02, 2016 ~ Nov. 05, 2016	Oct. 10, 2017	Conducted (TH05-HY)
EMI Test Receiver&SA	KEYSIGHT	N9038A	MY54450083	20Hz~8.4GHz	May 07, 2016	Nov. 07, 2016 ~ Nov. 13, 2016	May 06, 2017	Radiation (03CH03-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150246	10Hz~44GHz;	May 07, 2016	Nov. 07, 2016 ~ Nov. 13, 2016	May 06, 2017	Radiation (03CH03-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	May 07, 2016	Nov. 07, 2016 ~ Nov. 13, 2016	May 06, 2017	Radiation (03CH03-SZ)
Bilog Antenna	TeseQ	CBL6112D	35408	30MHz-2GHz	May 21, 2016	Nov. 07, 2016 ~ Nov. 13, 2016	May 20, 2017	Radiation (03CH03-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1355	1GHz~18GHz	May 07, 2016	Nov. 07, 2016 ~ Nov. 13, 2016	May 06, 2017	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 16, 2016	Nov. 07, 2016 ~ Nov. 13, 2016	Jul. 15, 2017	Radiation (03CH03-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Aug. 10, 2016	Nov. 07, 2016 ~ Nov. 13, 2016	Aug. 09, 2017	Radiation (03CH03-SZ)
Amplifier	Burgeon	BPA-530	102210	0.01Hz ~3000MHz	Oct. 11, 2016	Nov. 07, 2016 ~ Nov. 13, 2016	Oct. 10, 2017	Radiation (03CH03-SZ)
HF Amplifier	MITEQ	AMF-7D-0010 1800-30-10P-R	1943528	1GHz~18GHz	Oct. 11, 2016	Nov. 07, 2016 ~ Nov. 13, 2016	Oct. 10, 2017	Radiation (03CH03-SZ)
Amplifier	Agilent Technologies	83017A	MY39501302	500MHz~26.5G Hz	Jan.12, 2016	Nov. 07, 2016 ~ Nov. 13, 2016	Jan.11, 2017	Radiation (03CH03-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	N/A	Nov. 07, 2016 ~ Nov. 13, 2016	N/A	Radiation (03CH03-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	N/A	Nov. 07, 2016 ~ Nov. 13, 2016	N/A	Radiation (03CH03-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	N/A	Nov. 07, 2016 ~ Nov. 13, 2016	N/A	Radiation (03CH03-SZ)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 08, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Nov. 08, 2016	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2015	Nov. 08, 2016	Dec. 01, 2016	Conduction (CO05-HY)



## 5 Uncertainty of Evaluation

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.1
---	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.0
---	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.0
---	-----



## **Appendix A. Conducted Test Results**

Test Engineer:	Tommy Lee	Temperature:	21~25	°C
Test Date:	2016/11/02~2016/11/05	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	18.40	23.60	-	22.65		
11a	6Mbps	1	44	5220	18.00	23.50	-	22.55		
11a	6Mbps	1	48	5240	18.05	23.80	-	22.56		
HT20	MCS0	1	36	5180	19.00	23.80	-	22.79		
HT20	MCS0	1	44	5220	18.90	23.80	-	22.76		
HT20	MCS0	1	48	5240	19.00	24.00	-	22.79		
HT40	MCS0	1	38	5190	36.50	45.36	-	23.01		
HT40	MCS0	1	46	5230	36.60	45.00	-	23.01		
VHT80	MCS0	1	42	5210	75.12	86.40	-	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	0.09	11.19	24.00	0.00		Pass
11a	6Mbps	1	44	5220	0.09	10.94	24.00	0.00		Pass
11a	6Mbps	1	48	5240	0.09	11.12	24.00	0.00		Pass
HT20	MCS0	1	36	5180	0.10	11.39	24.00	0.00		Pass
HT20	MCS0	1	44	5220	0.10	11.15	24.00	0.00		Pass
HT20	MCS0	1	48	5240	0.10	11.20	24.00	0.00		Pass
HT40	MCS0	1	38	5190	0.10	11.35	24.00	0.00		Pass
HT40	MCS0	1	46	5230	0.10	10.68	24.00	0.00		Pass
VHT20	MCS0	1	36	5180	0.13	11.38	24.00	0.00		Pass
VHT20	MCS0	1	44	5220	0.13	11.11	24.00	0.00		Pass
VHT20	MCS0	1	48	5240	0.13	11.18	24.00	0.00		Pass
VHT40	MCS0	1	38	5190	0.21	11.34	24.00	0.00		Pass
VHT40	MCS0	1	46	5230	0.21	10.66	24.00	0.00		Pass
VHT80	MCS0	1	42	5210	0.41	10.73	24.00	0.00		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	0.09	-1.06	11.00	0.00		Pass
11a	6Mbps	1	44	5220	0.09	-0.76	11.00	0.00		Pass
11a	6Mbps	1	48	5240	0.09	-0.71	11.00	0.00		Pass
HT20	MCS0	1	36	5180	0.10	-1.31	11.00	0.00		Pass
HT20	MCS0	1	44	5220	0.10	-1.10	11.00	0.00		Pass
HT20	MCS0	1	48	5240	0.10	-1.01	11.00	0.00		Pass
HT40	MCS0	1	38	5190	0.10	-4.03	11.00	0.00		Pass
HT40	MCS0	1	46	5230	0.10	-4.24	11.00	0.00		Pass
VHT80	MCS0	1	42	5210	0.41	-7.18	11.00	0.00		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	18.30	23.60	23.62	29.62	23.98	
11a	6M bps	1	60	5300	18.20	23.70	23.60	29.60	23.98	
11a	6M bps	1	64	5320	18.25	24.00	23.61	29.61	23.98	
HT20	MCS 0	1	52	5260	19.15	23.90	23.82	29.82	23.98	
HT20	MCS 0	1	60	5300	19.00	23.80	23.79	29.79	23.98	
HT20	MCS 0	1	64	5320	18.85	23.40	23.75	29.75	23.98	
HT40	MCS 0	1	54	5270	36.50	45.72	23.98	30.00	23.98	
HT40	MCS 0	1	62	5310	36.60	45.18	23.98	30.00	23.98	
VHT80	MCS 0	1	58	5290	75.00	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	0.09	11.16	23.98	0.00	26.99	Pass
11a	6M bps	1	60	5300	0.09	11.05	23.98	0.00	26.99	Pass
11a	6M bps	1	64	5320	0.09	11.18	23.98	0.00	26.99	Pass
HT20	MCS 0	1	52	5260	0.10	11.28	23.98	0.00	26.99	Pass
HT20	MCS 0	1	60	5300	0.10	11.15	23.98	0.00	26.99	Pass
HT20	MCS 0	1	64	5320	0.10	11.20	23.98	0.00	26.99	Pass
HT40	MCS 0	1	54	5270	0.10	10.85	23.98	0.00	26.99	Pass
HT40	MCS 0	1	62	5310	0.10	11.18	23.98	0.00	26.99	Pass
VHT20	MCS 0	1	52	5260	0.13	11.25	23.98	0.00	26.99	Pass
VHT20	MCS 0	1	60	5300	0.13	11.13	23.98	0.00	26.99	Pass
VHT20	MCS 0	1	64	5320	0.13	11.19	23.98	0.00	26.99	Pass
VHT40	MCS 0	1	54	5270	0.21	10.81	23.98	0.00	26.99	Pass
VHT40	MCS 0	1	62	5310	0.21	11.16	23.98	0.00	26.99	Pass
VHT80	MCS 0	1	58	5290	0.41	11.29	23.98	0.00	26.99	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	0.09	-0.60	11.00	0.00		Pass
11a	6M bps	1	60	5300	0.09	-0.85	11.00	0.00		Pass
11a	6M bps	1	64	5320	0.09	-0.67	11.00	0.00		Pass
HT20	MCS 0	1	52	5260	0.10	-0.90	11.00	0.00		Pass
HT20	MCS 0	1	60	5300	0.10	-1.01	11.00	0.00		Pass
HT20	MCS 0	1	64	5320	0.10	-0.81	11.00	0.00		Pass
HT40	MCS 0	1	54	5270	0.10	-4.12	11.00	0.00		Pass
HT40	MCS 0	1	62	5310	0.10	-3.72	11.00	0.00		Pass
VHT80	MCS 0	1	58	5290	0.41	-6.48	11.00	0.00		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	18.20	23.70	23.60	29.60	23.98	
11a	6M bps	1	116	5580	18.25	23.50	23.61	29.61	23.98	
11a	6M bps	1	140	5700	18.30	23.10	23.62	29.62	23.98	
HT20	MCS 0	1	100	5500	19.00	24.20	23.79	29.79	23.98	
HT20	MCS 0	1	116	5580	18.85	24.00	23.75	29.75	23.98	
HT20	MCS 0	1	140	5700	18.75	23.80	23.73	29.73	23.98	
HT40	MCS 0	1	102	5510	36.60	45.54	23.98	30.00	23.98	
HT40	MCS 0	1	110	5550	36.60	45.36	23.98	30.00	23.98	
HT40	MCS 0	1	134	5670	36.60	45.00	23.98	30.00	23.98	
VHT80	MCS 0	1	106	5530	75.12	85.12	23.98	30.00	23.98	
VHT80	MCS 0	1	122	5610	75.00	84.48	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	0.09	11.08	23.98	0.00	26.99	Pass
11a	6M bps	1	116	5580	0.09	11.05	23.98	0.00	26.99	Pass
11a	6M bps	1	140	5700	0.09	11.04	23.98	0.00	26.99	Pass
HT20	MCS 0	1	100	5500	0.10	11.25	23.98	0.00	26.99	Pass
HT20	MCS 0	1	116	5580	0.10	11.10	23.98	0.00	26.99	Pass
HT20	MCS 0	1	140	5700	0.10	11.20	23.98	0.00	26.99	Pass
HT40	MCS 0	1	102	5510	0.10	11.25	23.98	0.00	26.99	Pass
HT40	MCS 0	1	110	5550	0.10	10.65	23.98	0.00	26.99	Pass
HT40	MCS 0	1	134	5670	0.10	10.56	23.98	0.00	26.99	Pass
VHT20	MCS 0	1	100	5500	0.13	11.23	23.98	0.00	26.99	Pass
VHT20	MCS 0	1	116	5580	0.13	11.09	23.98	0.00	26.99	Pass
VHT20	MCS 0	1	140	5700	0.13	11.18	23.98	0.00	26.99	Pass
VHT40	MCS 0	1	102	5510	0.21	11.24	23.98	0.00	26.99	Pass
VHT40	MCS 0	1	110	5550	0.21	10.61	23.98	0.00	26.99	Pass
VHT40	MCS 0	1	134	5670	0.21	10.53	23.98	0.00	26.99	Pass
VHT80	MCS 0	1	106	5530	0.41	11.04	23.98	0.00	26.99	Pass
VHT80	MCS 0	1	122	5610	0.41	11.01	23.98	0.00	26.99	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	0.09	0.00	11.00	0.00		Pass
11a	6M bps	1	116	5580	0.09	0.08	11.00	0.00		Pass
11a	6M bps	1	140	5700	0.09	-1.09	11.00	0.00		Pass
HT20	MCS 0	1	100	5500	0.10	-0.24	11.00	0.00		Pass
HT20	MCS 0	1	116	5580	0.10	-0.16	11.00	0.00		Pass
HT20	MCS 0	1	140	5700	0.10	-1.20	11.00	0.00		Pass
HT40	MCS 0	1	102	5510	0.10	-2.94	11.00	0.00		Pass
HT40	MCS 0	1	110	5550	0.10	-3.36	11.00	0.00		Pass
HT40	MCS 0	1	134	5670	0.10	-4.41	11.00	0.00		Pass
VHT80	MCS 0	1	106	5530	0.41	-5.94	11.00	0.00		Pass
VHT80	MCS 0	1	122	5610	0.41	-5.83	11.00	0.00		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	5179.950	-0.050	-9.65	50	4	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	-30	4	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	20	4	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	20	3.7	
11a	6Mbps	1	36	5180	5179.950	-0.050	-9.65	20	4	

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	5319.950	-0.050	-9.40	50	4	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	-30	4	
11a	6Mbps	1	64	5320	5319.900	-0.100	-18.80	20	4	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	20	3.7	
11a	6Mbps	1	64	5320	5319.950	-0.050	-9.40	20	4	

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	5499.900	-0.100	-18.18	50	4	
11a	6Mbps	1	100	5500	5499.900	-0.100	-18.18	-30	4	
11a	6Mbps	1	100	5500	5499.900	-0.100	-18.18	20	4	
11a	6Mbps	1	100	5500	5499.900	-0.100	-18.18	20	3.7	
11a	6Mbps	1	100	5500	5499.950	-0.050	-9.09	20	4	



## Appendix B. Radiated Spurious Emission

Test Engineer :	LiangLiang Lu	Temperature :	22~25°C
		Relative Humidity :	48~52%

### Band 1 - 5150~5250MHz

#### WIFI 802.11a (Band Edge @ 3m)

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )	
802.11a CH 36 5180MHz		5127.92	49.46	-24.54	74	42.96	32.93	7.26	33.69	201	330	P	H	
		5127.4	39.2	-14.8	54	32.7	32.93	7.26	33.69	201	330	A	H	
	*	5180	100.38	-	-	93.72	32.94	7.37	33.65	201	330	P	H	
	*	5180	90.67	-	-	84.01	32.94	7.37	33.65	201	330	A	H	
													H	
													H	
			5109.2	48.53	-25.47	74	42.15	32.92	7.16	33.7	250	122	P	V
			5127.4	38.29	-15.71	54	31.79	32.93	7.26	33.69	250	122	A	V
	*		5180	96.74	-	-	90.08	32.94	7.37	33.65	250	122	P	V
	*		5180	88.14	-	-	81.48	32.94	7.37	33.65	250	122	A	V
													V	
													V	
802.11a CH 44 5220MHz		5147.94	48.47	-25.53	74	41.95	32.93	7.26	33.67	172	340	P	H	
		5016.9	37.28	-16.72	54	30.98	32.9	7.15	33.75	172	340	A	H	
	*	5220	103.09	-	-	96.42	32.94	7.37	33.64	172	340	P	H	
	*	5220	94.02	-	-	87.35	32.94	7.37	33.64	172	340	A	H	
			5410.32	48.28	-25.72	74	41.37	32.98	7.43	33.5	172	340	P	H
			5460	36.58	-17.42	54	29.59	32.99	7.47	33.47	172	340	A	H
			5101.4	48.83	-25.17	74	42.45	32.92	7.16	33.7	158	125	P	V
			5016.64	37	-17	54	30.7	32.9	7.15	33.75	158	125	A	V
	*		5220	96.89	-	-	90.22	32.94	7.37	33.64	158	125	P	V
	*		5220	87.87	-	-	81.2	32.94	7.37	33.64	158	125	A	V
			5417.76	47.42	-26.58	74	40.51	32.98	7.43	33.5	158	125	P	V
			5459.52	36.68	-17.32	54	29.69	32.99	7.47	33.47	158	125	A	V



<b>802.11a CH 48 5240MHz</b>		5056.68	49.58	-24.42	74	43.26	32.91	7.15	33.74	159	339	P	H
		5020.8	37.05	-16.95	54	30.74	32.91	7.15	33.75	159	339	A	H
	*	5240	101.9	-	-	95.2	32.95	7.37	33.62	159	339	P	H
	*	5240	93.28	-	-	86.58	32.95	7.37	33.62	159	339	A	H
		5411.52	47.96	-26.04	74	41.05	32.98	7.43	33.5	159	339	P	H
		5451.12	36.5	-17.5	54	29.51	32.99	7.47	33.47	159	339	A	H
		5056.68	48.52	-25.48	74	42.2	32.91	7.15	33.74	154	127	P	V
		5021.84	36.79	-17.21	54	30.48	32.91	7.15	33.75	154	127	A	V
	*	5240	96.4	-	-	89.7	32.95	7.37	33.62	154	127	P	V
	*	5240	87.28	-	-	80.58	32.95	7.37	33.62	154	127	A	V
		5454.24	47.75	-26.25	74	40.76	32.99	7.47	33.47	154	127	P	V
		5458.08	36.25	-17.75	54	29.26	32.99	7.47	33.47	154	127	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	50.55	-23.45	74	59.26	39.71	10.58	59	152	260	P	H
		15540	49.29	-24.71	74	57.97	37.97	13.04	59.69	189	238	P	H
													H
													H
		10360	50.28	-23.72	74	58.99	39.71	10.58	59	152	260	P	V
		15540	48.91	-25.09	74	57.59	37.97	13.04	59.69	189	238	P	V
													V
													V
802.11a CH 44 5220MHz		10440	49.62	-24.38	74	58.21	39.85	10.58	59.02	155	140	P	H
		15660	49.83	-24.17	74	58.55	37.88	13.15	59.75	155	140	P	H
													H
													H
		10440	50.26	-23.74	74	58.85	39.85	10.58	59.02	170	210	P	V
		15660	50.1	-23.9	74	58.82	37.88	13.15	59.75	170	210	P	V
													V
													V
802.11a CH 48 5240MHz		10480	50.43	-23.57	74	58.91	39.96	10.59	59.03	250	0	P	H
		15720	50.68	-23.32	74	59.42	37.82	13.23	59.79	150	0	P	H
													H
													H
		10480	50.23	-23.77	74	58.71	39.96	10.59	59.03	250	0	P	V
		15720	49.87	-24.13	74	58.61	37.82	13.23	59.79	150	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		5127.66	50.33	-23.67	74	43.83	32.93	7.26	33.69	153	295	P	H	
		5128.18	40.47	-13.53	54	33.97	32.93	7.26	33.69	153	295	A	H	
	*	5180	100.94	-	-	94.28	32.94	7.37	33.65	153	295	P	H	
	*	5180	92.11	-	-	85.45	32.94	7.37	33.65	153	295	A	H	
													H	
														H
			5118.3	48.51	-25.49	74	42.12	32.92	7.16	33.69	250	121	P	V
			5128.44	39.12	-14.88	54	32.62	32.93	7.26	33.69	250	121	A	V
		*	5180	96.96	-	-	90.3	32.94	7.37	33.65	250	121	P	V
		*	5180	88.36	-	-	81.7	32.94	7.37	33.65	250	121	A	V
													V	
													V	
802.11n HT20 CH 44 5220MHz		5073.32	48.76	-25.24	74	42.41	32.92	7.15	33.72	153	296	P	H	
		5017.42	36.86	-17.14	54	30.56	32.9	7.15	33.75	153	296	A	H	
	*	5220	99.51	-	-	92.84	32.94	7.37	33.64	153	296	P	H	
	*	5220	90.71	-	-	84.04	32.94	7.37	33.64	153	296	A	H	
			5407.44	47.49	-26.51	74	40.58	32.98	7.43	33.5	153	296	P	H
			5450.88	36.16	-17.84	54	29.17	32.99	7.47	33.47	153	296	A	H
			5044.72	49.03	-24.97	74	42.71	32.91	7.15	33.74	250	121	P	V
			5016.38	36.84	-17.16	54	30.54	32.9	7.15	33.75	250	121	A	V
		*	5220	96.36	-	-	89.69	32.94	7.37	33.64	250	121	P	V
		*	5220	88.37	-	-	81.7	32.94	7.37	33.64	250	121	A	V
		5443.2	47.31	-26.69	74	40.37	32.99	7.43	33.48	250	121	P	V	
		5450.88	36.27	-17.73	54	29.28	32.99	7.47	33.47	250	121	A	V	



<b>802.11n HT20 CH 48 5240MHz</b>		5105.04	48.64	-25.36	74	42.26	32.92	7.16	33.7	156	298	P	H
		5013.78	36.78	-17.22	54	30.5	32.9	7.15	33.77	156	298	A	H
	*	5240	98.66	-	-	91.96	32.95	7.37	33.62	156	298	P	H
	*	5240	90.69	-	-	83.99	32.95	7.37	33.62	156	298	A	H
		5417.76	46.74	-27.26	74	39.83	32.98	7.43	33.5	156	298	P	H
		5444.4	36.16	-17.84	54	29.22	32.99	7.43	33.48	156	298	A	H
		5115.44	48.12	-25.88	74	41.74	32.92	7.16	33.7	250	124	P	V
		5015.34	36.7	-17.3	54	30.42	32.9	7.15	33.77	250	124	A	V
	*	5240	93.98	-	-	87.28	32.95	7.37	33.62	250	124	P	V
	*	5240	87.1	-	-	80.4	32.95	7.37	33.62	250	124	A	V
		5413.44	47.03	-26.97	74	40.12	32.98	7.43	33.5	250	124	P	V
		5456.88	36.14	-17.86	54	29.15	32.99	7.47	33.47	250	124	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	50.95	-23.05	74	59.66	39.71	10.58	59	250	0	P	H
		15540	48.45	-25.55	74	57.13	37.97	13.04	59.69	150	0	P	H
													H
													H
		10360	49.87	-24.13	74	58.58	39.71	10.58	59	250	0	P	V
		15540	48.81	-25.19	74	57.49	37.97	13.04	59.69	150	0	P	V
													V
802.11n HT20 CH 44 5220MHz		10440	50.61	-23.39	74	59.2	39.85	10.58	59.02	250	0	P	H
		15660	48.83	-25.17	74	57.55	37.88	13.15	59.75	150	0	P	H
													H
													H
		10440	50.71	-23.29	74	59.3	39.85	10.58	59.02	250	0	P	V
		15660	49.69	-24.31	74	58.41	37.88	13.15	59.75	150	0	P	V
													V
802.11n HT20 CH 48 5240MHz		10480	49.76	-24.24	74	58.24	39.96	10.59	59.03	250	0	P	H
		15720	50.31	-23.69	74	59.05	37.82	13.23	59.79	150	0	P	H
													H
													H
		10480	50.8	-23.2	74	59.28	39.96	10.59	59.03	250	0	P	V
		15720	50.04	-23.96	74	58.78	37.82	13.23	59.79	150	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		5148.46	50.09	-23.91	74	43.57	32.93	7.26	33.67	174	340	P	H
		5149.76	39.14	-14.86	54	32.62	32.93	7.26	33.67	174	340	A	H
	*	5190	100.21	-	-	93.55	32.94	7.37	33.65	174	340	P	H
	*	5190	90.97	-	-	84.31	32.94	7.37	33.65	174	340	A	H
		5423.28	47.5	-26.5	74	40.59	32.98	7.43	33.5	174	340	P	H
		5459.28	36.39	-17.61	54	29.4	32.99	7.47	33.47	174	340	A	H
		5026.78	48.48	-25.52	74	42.17	32.91	7.15	33.75	245	124	P	V
		5150.02	37.31	-16.69	54	30.79	32.93	7.26	33.67	245	124	A	V
	*	5190	93.68	-	-	87.02	32.94	7.37	33.65	245	124	P	V
	*	5190	84.02	-	-	77.36	32.94	7.37	33.65	245	124	A	V
		5418.24	47.66	-26.34	74	40.75	32.98	7.43	33.5	245	124	P	V
		5459.04	36.39	-17.61	54	29.4	32.99	7.47	33.47	245	124	A	V
802.11n HT40 CH 46 5230MHz		5120.64	48.63	-25.37	74	42.24	32.92	7.16	33.69	170	339	P	H
		5127.4	37.78	-16.22	54	31.28	32.93	7.26	33.69	170	339	A	H
	*	5230	99.21	-	-	92.51	32.95	7.37	33.62	170	339	P	H
	*	5230	90.36	-	-	83.66	32.95	7.37	33.62	170	339	A	H
		5420.16	47.9	-26.1	74	40.99	32.98	7.43	33.5	170	339	P	H
		5448.48	36.28	-17.72	54	29.3	32.99	7.47	33.48	170	339	A	H
		5099.58	48.79	-25.21	74	42.41	32.92	7.16	33.7	245	126	P	V
		5004.68	36.83	-17.17	54	30.56	32.9	7.14	33.77	245	126	A	V
	*	5230	93.63	-	-	86.93	32.95	7.37	33.62	245	126	P	V
	*	5230	84.61	-	-	77.91	32.95	7.37	33.62	245	126	A	V
	5398.08	47.45	-26.55	74	40.6	32.98	7.39	33.52	245	126	P	V	
	5459.76	36.19	-17.81	54	29.2	32.99	7.47	33.47	245	126	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	50.33	-23.67	74	59.02	39.74	10.58	59.01	180	210	P	H
		15570	50.34	-23.66	74	59.03	37.94	13.08	59.71	180	210	P	H
													H
													H
		10380	50.02	-23.98	74	58.71	39.74	10.58	59.01	210	190	P	V
		15570	48.73	-25.27	74	57.42	37.94	13.08	59.71	210	190	P	V
													V
802.11n HT40 CH 46 5230MHz		10460	50.53	-23.47	74	59.08	39.89	10.59	59.03	175	180	P	H
		15690	50.42	-23.58	74	59.15	37.85	13.19	59.77	175	180	P	H
													H
													H
		10460	50.46	-23.54	74	59.01	39.89	10.59	59.03	155	120	P	V
		15690	49.77	-24.23	74	58.5	37.85	13.19	59.77	155	120	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)
<b>802.11ac VHT80 CH 42 5210MHz</b>		5140.4	50.24	-23.76	74	43.74	32.93	7.26	33.69	156	338	P	H
		5150	41.09	-12.91	54	34.57	32.93	7.26	33.67	156	338	A	H
	*	5210	96.08	-	-	89.41	32.94	7.37	33.64	156	338	P	H
	*	5210	88.03	-	-	81.36	32.94	7.37	33.64	156	338	A	H
		5418	47.09	-26.91	74	40.18	32.98	7.43	33.5	156	338	P	H
		5452.08	37.93	-16.07	54	30.94	32.99	7.47	33.47	156	338	A	H
		5118.04	48.28	-25.72	74	41.9	32.92	7.16	33.7	189	124	P	V
		5147.42	38.92	-15.08	54	32.4	32.93	7.26	33.67	189	124	A	V
	*	5210	90.56	-	-	83.89	32.94	7.37	33.64	189	124	P	V
	*	5210	81.71	-	-	75.04	32.94	7.37	33.64	189	124	A	V
		5382	47.07	-26.93	74	40.22	32.98	7.39	33.52	189	124	P	V
	5442.96	37.89	-16.11	54	30.95	32.99	7.43	33.48	189	124	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 802.11ac 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	50.33	-23.67	74	58.94	39.82	10.58	59.01	250	0	P	H	
		15630	50.05	-23.95	74	58.78	37.89	13.12	59.74	150	0	P	H	
													H	
													H	
			10420	50.56	-23.44	74	59.17	39.82	10.58	59.01	250	0	P	V
			15630	49.54	-24.46	74	58.27	37.89	13.12	59.74	150	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		5011.18	48.22	-25.78	74	41.94	32.9	7.15	33.77	202	349	P	H
		5000.52	36.95	-17.05	54	30.68	32.9	7.14	33.77	202	349	A	H
	*	5260	99.76	-	-	93.03	32.95	7.38	33.6	202	349	P	H
	*	5260	90.89	-	-	84.16	32.95	7.38	33.6	202	349	A	H
		5448.24	47.84	-26.16	74	40.86	32.99	7.47	33.48	202	349	P	H
		5443.2	36.4	-17.6	54	29.46	32.99	7.43	33.48	202	349	A	H
		5017.94	48.95	-25.05	74	42.65	32.9	7.15	33.75	230	125	P	V
		5016.9	36.84	-17.16	54	30.54	32.9	7.15	33.75	230	125	A	V
	*	5260	95.77	-	-	89.04	32.95	7.38	33.6	230	125	P	V
	*	5260	87.13	-	-	80.4	32.95	7.38	33.6	230	125	A	V
		5428.8	47.41	-26.59	74	40.47	32.99	7.43	33.48	230	125	P	V
		5458.08	36.19	-17.81	54	29.2	32.99	7.47	33.47	230	125	A	V
802.11a CH 60 5300MHz		5000.52	49.51	-24.49	74	43.24	32.9	7.14	33.77	150	347	P	H
		5011.18	36.88	-17.12	54	30.6	32.9	7.15	33.77	150	347	A	H
	*	5300	98.59	-	-	91.82	32.96	7.38	33.57	150	347	P	H
	*	5300	90.79	-	-	84.02	32.96	7.38	33.57	150	347	A	H
		5425.2	48.23	-25.77	74	41.3	32.98	7.43	33.48	150	347	P	H
		5352.48	37.41	-16.59	54	30.58	32.97	7.39	33.53	150	347	A	H
		5032.24	47.75	-26.25	74	41.44	32.91	7.15	33.75	151	128	P	V
		5010.92	36.92	-17.08	54	30.64	32.9	7.15	33.77	151	128	A	V
	*	5300	95.93	-	-	89.16	32.96	7.38	33.57	151	128	P	V
	*	5300	87.24	-	-	80.47	32.96	7.38	33.57	151	128	A	V
		5459.52	46.87	-27.13	74	39.88	32.99	7.47	33.47	151	128	P	V
		5352.48	36.55	-17.45	54	29.72	32.97	7.39	33.53	151	128	A	V



<b>802.11a</b>  <b>CH 64</b>  <b>5320MHz</b>	*	5320	97.8	-	-	91.03	32.96	7.38	33.57	154	326	P	H
	*	5320	89.34	-	-	82.57	32.96	7.38	33.57	154	326	A	H
		5376.48	48.5	-25.5	74	41.66	32.97	7.39	33.52	154	326	P	H
		5372.32	37.93	-16.07	54	31.1	32.97	7.39	33.53	154	326	A	H
													H
													H
	*	5320	94.9	-	-	88.13	32.96	7.38	33.57	199	164	P	V
	*	5320	86.84	-	-	80.07	32.96	7.38	33.57	199	164	A	V
		5433.28	47.61	-26.39	74	40.67	32.99	7.43	33.48	199	164	P	V
		5372.96	36.51	-17.49	54	29.68	32.97	7.39	33.53	199	164	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	49.43	-24.57	74	57.91	39.99	10.59	59.06	250	0	P	H	
		15780	50.96	-23.04	74	59.73	37.78	13.27	59.82	150	0	P	H	
													H	
													H	
			10520	50.33	-23.67	74	58.81	39.99	10.59	59.06	250	0	P	V
			15780	49.94	-24.06	74	58.71	37.78	13.27	59.82	150	0	P	V
														V
														V
802.11a CH 60 5300MHz		10600	50.42	-23.58	74	58.96	39.96	10.65	59.15	250	0	P	H	
		15900	50.59	-23.41	74	59.41	37.68	13.38	59.88	150	0	P	H	
													H	
													H	
			10600	50.91	-23.09	74	59.45	39.96	10.65	59.15	250	0	P	V
			15900	50.62	-23.38	74	59.44	37.68	13.38	59.88	150	0	P	V
														V
														V
802.11a CH 64 5320MHz		10640	50.68	-23.32	74	59.24	39.94	10.68	59.18	152	135	P	H	
		15960	50.67	-23.33	74	59.5	37.63	13.46	59.92	173	245	P	H	
													H	
													H	
			10640	50.95	-23.05	74	59.51	39.94	10.68	59.18	152	135	P	V
			15960	50.35	-23.65	74	59.18	37.63	13.46	59.92	173	245	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		5072.02	48.93	-25.07	74	42.58	32.92	7.15	33.72	152	327	P	H	
		5012.22	37.02	-16.98	54	30.74	32.9	7.15	33.77	152	327	A	H	
	*	5260	97.93	-	-	91.2	32.95	7.38	33.6	152	327	P	H	
	*	5260	89.42	-	-	82.69	32.95	7.38	33.6	152	327	A	H	
		5386.56	48.31	-25.69	74	41.46	32.98	7.39	33.52	152	327	P	H	
		5447.28	36.37	-17.63	54	29.39	32.99	7.47	33.48	152	327	A	H	
		5015.6	49.09	-24.91	74	42.81	32.9	7.15	33.77	175	128	P	V	
		5009.62	36.88	-17.12	54	30.6	32.9	7.15	33.77	175	128	A	V	
	*	5260	96.1	-	-	89.37	32.95	7.38	33.6	175	128	P	V	
	*	5260	87.97	-	-	81.24	32.95	7.38	33.6	175	128	A	V	
		5440.56	47.74	-26.26	74	40.8	32.99	7.43	33.48	175	128	P	V	
		5454.48	36.41	-17.59	54	29.42	32.99	7.47	33.47	175	128	A	V	
	802.11n HT20 CH 60 5300MHz		5134.16	47.43	-26.57	74	40.93	32.93	7.26	33.69	172	340	P	H
			5008.84	36.86	-17.14	54	30.58	32.9	7.15	33.77	172	340	A	H
*		5300	97.26	-	-	90.49	32.96	7.38	33.57	172	340	P	H	
*		5300	89.29	-	-	82.52	32.96	7.38	33.57	172	340	A	H	
		5425.68	48.65	-25.35	74	41.72	32.98	7.43	33.48	172	340	P	H	
		5352	38.4	-15.6	54	31.57	32.97	7.39	33.53	172	340	A	H	
		5122.72	48.34	-25.66	74	41.94	32.93	7.16	33.69	169	127	P	V	
		5026.52	36.76	-17.24	54	30.45	32.91	7.15	33.75	169	127	A	V	
*		5300	95.45	-	-	88.68	32.96	7.38	33.57	169	127	P	V	
*		5300	87.24	-	-	80.47	32.96	7.38	33.57	169	127	A	V	
	5459.76	47.41	-26.59	74	40.42	32.99	7.47	33.47	169	127	P	V		
	5351.76	36.72	-17.28	54	29.89	32.97	7.39	33.53	169	127	A	V		



<b>802.11n</b>  <b>HT20</b>  <b>CH 64</b>  <b>5320MHz</b>	*	5320	96.96	-	-	90.19	32.96	7.38	33.57	150	319	P	H
	*	5320	88.18	-	-	81.41	32.96	7.38	33.57	150	319	A	H
		5449.12	47.34	-26.66	74	40.36	32.99	7.47	33.48	150	319	P	H
		5371.68	37.76	-16.24	54	30.93	32.97	7.39	33.53	150	319	A	H
													H
													H
	*	5320	96.16	-	-	89.39	32.96	7.38	33.57	250	132	P	V
	*	5320	88.25	-	-	81.48	32.96	7.38	33.57	250	132	A	V
		5392.48	47.78	-26.22	74	40.93	32.98	7.39	33.52	250	132	P	V
		5371.68	37.03	-16.97	54	30.2	32.97	7.39	33.53	250	132	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	50.25	-23.75	74	58.73	39.99	10.59	59.06	250	0	P	H	
		15780	50.1	-23.9	74	58.87	37.78	13.27	59.82	150	0	P	H	
													H	
													H	
			10520	50.05	-23.95	74	58.53	39.99	10.59	59.06	250	0	P	V
			15780	50.12	-23.88	74	58.89	37.78	13.27	59.82	150	0	P	V
														V
802.11n HT20 CH 60 5300MHz		10600	49.63	-24.37	74	58.17	39.96	10.65	59.15	250	0	P	H	
		15900	50.81	-23.19	74	59.63	37.68	13.38	59.88	150	0	P	H	
													H	
													H	
			10600	49.75	-24.25	74	58.29	39.96	10.65	59.15	250	0	P	V
			15900	50.46	-23.54	74	59.28	37.68	13.38	59.88	150	0	P	V
														V
802.11n HT20 CH 64 5320MHz		10640	49.66	-24.34	74	58.22	39.94	10.68	59.18	250	0	P	H	
		15960	50.4	-23.6	74	59.23	37.63	13.46	59.92	150	0	P	H	
													H	
													H	
			10640	50.53	-23.47	74	59.09	39.94	10.68	59.18	250	0	P	V
			15960	50.07	-23.93	74	58.9	37.63	13.46	59.92	150	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		5061.36	48.75	-25.25	74	42.43	32.91	7.15	33.74	150	170	P	H	
		5041.34	36.74	-17.26	54	30.43	32.91	7.15	33.75	150	170	A	H	
	*	5270	96	-	-	89.27	32.95	7.38	33.6	150	170	P	H	
	*	5270	88.22	-	-	81.49	32.95	7.38	33.6	150	170	A	H	
		5384.64	47.54	-26.46	74	40.69	32.98	7.39	33.52	150	170	P	H	
		5448.72	36.08	-17.92	54	29.1	32.99	7.47	33.48	150	170	A	H	
		5040.82	48.73	-25.27	74	42.42	32.91	7.15	33.75	176	137	P	V	
		5007.02	36.88	-17.12	54	30.6	32.9	7.15	33.77	176	137	A	V	
	*	5270	95.18	-	-	88.45	32.95	7.38	33.6	176	137	P	V	
	*	5270	86.9	-	-	80.17	32.95	7.38	33.6	176	137	A	V	
		5440.8	47.5	-26.5	74	40.56	32.99	7.43	33.48	176	137	P	V	
		5455.2	36.08	-17.92	54	29.09	32.99	7.47	33.47	176	137	A	V	
	802.11n HT40 CH 62 5310MHz		5005.2	48.27	-25.73	74	42	32.9	7.14	33.77	160	326	P	H
			5016.38	36.74	-17.26	54	30.44	32.9	7.15	33.75	160	326	A	H
*		5310	95.17	-	-	88.4	32.96	7.38	33.57	160	326	P	H	
*		5310	86.86	-	-	80.09	32.96	7.38	33.57	160	326	A	H	
		5350.08	48.18	-25.82	74	41.35	32.97	7.39	33.53	160	326	P	H	
		5413.44	36.18	-17.82	54	29.27	32.98	7.43	33.5	160	326	A	H	
		5008.32	48.35	-25.65	74	42.07	32.9	7.15	33.77	160	136	P	V	
		5004.16	36.77	-17.23	54	30.5	32.9	7.14	33.77	160	136	A	V	
*		5310	95.58	-	-	88.81	32.96	7.38	33.57	160	136	P	V	
*		5310	86.91	-	-	80.14	32.96	7.38	33.57	160	136	A	V	
	5448.24	48.88	-25.12	74	41.9	32.99	7.47	33.48	160	136	P	V		
	5454.96	36.17	-17.83	54	29.18	32.99	7.47	33.47	160	136	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	50.65	-23.35	74	59.12	39.99	10.62	59.08	250	0	P	H
		15810	49.96	-24.04	74	58.74	37.75	13.31	59.84	150	0	P	H
													H
													H
		10540	50.23	-23.77	74	58.7	39.99	10.62	59.08	250	0	P	V
		15810	50.77	-23.23	74	59.55	37.75	13.31	59.84	150	0	P	V
													V
													V
802.11n HT40 CH 62 5310MHz		10620	50.26	-23.74	74	58.8	39.95	10.68	59.17	250	0	P	H
		15930	50.29	-23.71	74	59.11	37.66	13.42	59.9	150	0	P	H
													H
													H
		10620	50.03	-23.97	74	58.57	39.95	10.68	59.17	250	0	P	V
		15930	50.09	-23.91	74	58.91	37.66	13.42	59.9	150	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
<b>802.11ac VHT80 CH 58 5290MHz</b>		5024.96	49.76	-24.24	74	43.45	32.91	7.15	33.75	153	327	P	H
		5001.04	37.49	-16.51	54	31.22	32.9	7.14	33.77	153	327	A	H
	*	5290	92.08	-	-	85.32	32.96	7.38	33.58	153	327	P	H
	*	5290	83.64	-	-	76.88	32.96	7.38	33.58	153	327	A	H
		5375.52	50.13	-23.87	74	43.29	32.97	7.39	33.52	153	327	P	H
		5350.32	37.35	-16.65	54	30.52	32.97	7.39	33.53	153	327	A	H
		5052.78	48.32	-25.68	74	42	32.91	7.15	33.74	175	135	P	V
		5095.16	37.52	-16.48	54	31.14	32.92	7.16	33.7	175	135	A	V
	*	5290	93.02	-	-	86.26	32.96	7.38	33.58	175	135	P	V
	*	5290	84.23	-	-	77.47	32.96	7.38	33.58	175	135	A	V
		5370	46.9	-27.1	74	40.07	32.97	7.39	33.53	175	135	P	V
	5435.28	36.71	-17.29	54	29.77	32.99	7.43	33.48	175	135	A	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 802.11ac 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	49.97	-24.03	74	58.48	39.97	10.65	59.13	250	0	P	H	
		15870	49.92	-24.08	74	58.74	37.7	13.35	59.87	150	0	P	H	
													H	
													H	
			10580	50.46	-23.54	74	58.97	39.97	10.65	59.13	250	0	P	V
			15870	50.51	-23.49	74	59.33	37.7	13.35	59.87	150	0	P	V
														V
													V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.													



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

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11a CH 100 5500MHz		5447.92	49.08	-24.92	74	42.1	32.99	7.47	33.48	150	345	P	H	
		5447.6	39.43	-14.57	54	32.45	32.99	7.47	33.48	150	345	A	H	
	*	5500	99.44	-	-	92.38	33	7.51	33.45	150	345	P	H	
	*	5500	91.16	-	-	84.1	33	7.51	33.45	150	345	A	H	
													H	
													H	
			5450.96	47.41	-26.59	74	40.42	32.99	7.47	33.47	150	164	P	V
			5447.6	37.38	-16.62	54	30.4	32.99	7.47	33.48	150	164	A	V
	*		5500	95.53	-	-	88.47	33	7.51	33.45	150	164	P	V
	*		5500	87.19	-	-	80.13	33	7.51	33.45	150	164	A	V
														V
														V
802.11a CH 116 5580MHz		5369.68	48.07	-25.93	74	41.24	32.97	7.39	33.53	152	336	P	H	
		5462.32	36.44	-17.56	54	29.45	32.99	7.47	33.47	152	336	A	H	
	*	5580	101.16	-	-	93.92	33.08	7.64	33.48	152	336	P	H	
	*	5580	92.29	-	-	85.05	33.08	7.64	33.48	152	336	A	H	
			5748.2	46.83	-27.17	74	39.33	33.29	7.74	33.53	152	336	P	H
			5752.575	36.52	-17.48	54	29	33.31	7.74	33.53	152	336	A	H
			5454.88	47.98	-26.02	74	40.99	32.99	7.47	33.47	182	160	P	V
			5462.56	36.3	-17.7	54	29.31	32.99	7.47	33.47	182	160	A	V
	*		5580	96.7	-	-	89.46	33.08	7.64	33.48	182	160	P	V
	*		5580	87.76	-	-	80.52	33.08	7.64	33.48	182	160	A	V
			5744.875	48.44	-25.56	74	40.94	33.29	7.74	33.53	182	160	P	V
			5760.975	36.41	-17.59	54	28.89	33.31	7.74	33.53	182	160	A	V



<b>802.11a CH 140 5700MHz</b>	*	5700	101.81	-	-	94.41	33.23	7.68	33.51	163	340	P	H
	*	5700	92.94	-	-	85.54	33.23	7.68	33.51	163	340	A	H
		5752.52	49.59	-24.41	74	42.07	33.31	7.74	33.53	163	340	P	H
		5752.2	40.43	-13.57	54	32.91	33.31	7.74	33.53	163	340	A	H
													H
													H
	*	5700	95.97	-	-	88.57	33.23	7.68	33.51	151	151	P	V
	*	5700	87.09	-	-	79.69	33.23	7.68	33.51	151	151	A	V
		5756.04	47.75	-26.25	74	40.23	33.31	7.74	33.53	151	151	P	V
		5752.28	37.56	-16.44	54	30.04	33.31	7.74	33.53	151	151	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	48.61	-25.39	74	57.41	39.8	10.96	59.56	250	0	P	H
		16500	49.11	-24.89	74	56.47	38.5	13.81	59.67	150	0	P	H
													H
													H
		11000	48.84	-25.16	74	57.64	39.8	10.96	59.56	250	0	P	V
		16500	50.25	-23.75	74	57.61	38.5	13.81	59.67	150	0	P	V
													V
													V
802.11a CH 116 5580MHz		11160	48.29	-25.71	74	57.15	39.77	11	59.63	250	0	P	H
		16740	50.42	-23.58	74	56.46	38.98	14.4	59.42	150	0	P	H
													H
													H
		11160	48.38	-25.62	74	57.24	39.77	11	59.63	250	0	P	V
		16740	49.94	-24.06	74	55.98	38.98	14.4	59.42	150	0	P	V
													V
													V
802.11a CH 140 5700MHz		11400	48.84	-25.16	74	57.77	39.72	11.07	59.72	250	0	P	H
		17100	50.5	-23.5	74	54.52	39.74	15.01	58.77	150	0	P	H
													H
													H
		11400	49.89	-24.11	74	58.82	39.72	11.07	59.72	250	0	P	V
		17100	50.57	-23.43	74	54.59	39.74	15.01	58.77	150	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		5448.08	50.23	-23.77	74	43.25	32.99	7.47	33.48	159	347	P	H	
		5448.08	40.56	-13.44	54	33.58	32.99	7.47	33.48	159	347	A	H	
	*	5500	99.86	-	-	92.8	33	7.51	33.45	159	347	P	H	
	*	5500	91.66	-	-	84.6	33	7.51	33.45	159	347	A	H	
													H	
														H
			5442.96	47.98	-26.02	74	41.04	32.99	7.43	33.48	150	165	P	V
			5448.24	37.85	-16.15	54	30.87	32.99	7.47	33.48	150	165	A	V
		*	5500	95.05	-	-	87.99	33	7.51	33.45	150	165	P	V
		*	5500	86.8	-	-	79.74	33	7.51	33.45	150	165	A	V
													V	
													V	
802.11n HT20 CH 116 5580MHz		5421.52	47.31	-26.69	74	40.4	32.98	7.43	33.5	155	347	P	H	
		5467.84	36.38	-17.62	54	29.39	32.99	7.47	33.47	155	347	A	H	
	*	5580	101.18	-	-	93.94	33.08	7.64	33.48	155	347	P	H	
	*	5580	92.52	-	-	85.28	33.08	7.64	33.48	155	347	A	H	
			5728.775	47.87	-26.13	74	40.38	33.27	7.74	33.52	155	347	P	H
			5725.1	36.66	-17.34	54	29.23	33.27	7.68	33.52	155	347	A	H
			5391.04	46.91	-27.09	74	40.06	32.98	7.39	33.52	157	151	P	V
			5454.4	36.21	-17.79	54	29.22	32.99	7.47	33.47	157	151	A	V
		*	5580	96.88	-	-	89.64	33.08	7.64	33.48	157	151	P	V
		*	5580	88.15	-	-	80.91	33.08	7.64	33.48	157	151	A	V
		5746.975	47.75	-26.25	74	40.25	33.29	7.74	33.53	157	151	P	V	
		5744.525	36.57	-17.43	54	29.07	33.29	7.74	33.53	157	151	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 140</b> <b>5700MHz</b>	*	5700	102.23	-	-	94.83	33.23	7.68	33.51	150	348	P	H
	*	5700	93.13	-	-	85.73	33.23	7.68	33.51	150	348	A	H
		5727.8	52.72	-21.28	74	45.23	33.27	7.74	33.52	150	348	P	H
		5751.64	41.27	-12.73	54	33.75	33.31	7.74	33.53	150	348	A	H
													H
													H
	*	5700	95.9	-	-	88.5	33.23	7.68	33.51	150	151	P	V
	*	5700	87.26	-	-	79.86	33.23	7.68	33.51	150	151	A	V
		5753	47.81	-26.19	74	40.29	33.31	7.74	33.53	150	151	P	V
		5751.88	37.93	-16.07	54	30.41	33.31	7.74	33.53	150	151	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 802.11n 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		11100	48.32	-25.68	74	57.15	39.78	10.99	59.6	250	0	P	H
		16500	48.95	-25.05	74	56.31	38.5	13.81	59.67	150	0	P	H
													H
													H
		11100	48.09	-25.91	74	56.92	39.78	10.99	59.6	250	0	P	V
		16500	50.59	-23.41	74	57.95	38.5	13.81	59.67	150	0	P	V
													V
802.11n HT20 CH 116 5580MHz		11160	48.67	-25.33	74	57.53	39.77	11	59.63	250	0	P	H
		16740	49.36	-24.64	74	55.4	38.98	14.4	59.42	150	0	P	H
													H
													H
		11160	49.65	-24.35	74	58.51	39.77	11	59.63	250	0	P	V
		16740	50.48	-23.52	74	56.52	38.98	14.4	59.42	150	0	P	V
													V
802.11n HT20 CH 140 5700MHz		11400	49.73	-24.27	74	58.66	39.72	11.07	59.72	250	0	P	H
		17100	50.95	-23.05	74	54.97	39.74	15.01	58.77	150	0	P	H
													H
													H
		11400	48.25	-25.75	74	57.18	39.72	11.07	59.72	250	0	P	V
		17100	50.29	-23.71	74	54.31	39.74	15.01	58.77	150	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		5468.8	48.46	-25.54	74	41.47	32.99	7.47	33.47	159	346	P	H
		5467.36	38.14	-15.86	54	31.15	32.99	7.47	33.47	159	346	A	H
	*	5510	97.2	-	-	90.15	33	7.51	33.46	159	346	P	H
	*	5510	88.47	-	-	81.42	33	7.51	33.46	159	346	A	H
		5740.85	48.39	-25.61	74	40.89	33.29	7.74	33.53	159	346	P	H
		5753.975	36.85	-17.15	54	29.33	33.31	7.74	33.53	159	346	A	H
		5447.68	47.35	-26.65	74	40.37	32.99	7.47	33.48	151	163	P	V
		5469.52	37.06	-16.94	54	30.07	32.99	7.47	33.47	151	163	A	V
	*	5510	92.35	-	-	85.3	33	7.51	33.46	151	163	P	V
	*	5510	83.97	-	-	76.92	33	7.51	33.46	151	163	A	V
		5755.55	47.53	-26.47	74	40.01	33.31	7.74	33.53	151	163	P	V
		5727.375	36.66	-17.34	54	29.17	33.27	7.74	33.52	151	163	A	V
802.11n HT40 CH 110 5550MHz		5437.6	47.18	-26.82	74	40.24	32.99	7.43	33.48	150	348	P	H
		5446.48	36.94	-17.06	54	29.96	32.99	7.47	33.48	150	348	A	H
	*	5550	97.63	-	-	90.47	33.06	7.57	33.47	150	348	P	H
	*	5550	88.56	-	-	81.4	33.06	7.57	33.47	150	348	A	H
		5734.725	48.23	-25.77	74	40.73	33.29	7.74	33.53	150	348	P	H
		5743.125	36.56	-17.44	54	29.06	33.29	7.74	33.53	150	348	A	H
		5456.32	48.18	-25.82	74	41.19	32.99	7.47	33.47	151	164	P	V
		5448.16	36.41	-17.59	54	29.43	32.99	7.47	33.48	151	164	A	V
	*	5550	92.4	-	-	85.24	33.06	7.57	33.47	151	164	P	V
	*	5550	83.51	-	-	76.35	33.06	7.57	33.47	151	164	A	V
	5760.975	47.7	-26.3	74	40.18	33.31	7.74	33.53	151	164	P	V	
	5753.625	36.57	-17.43	54	29.05	33.31	7.74	33.53	151	164	A	V	



<b>802.11n</b>  <b>HT40</b>  <b>CH 134</b>  <b>5670MHz</b>		5446.96	47.67	-26.33	74	40.69	32.99	7.47	33.48	150	331	P	H
		5464.96	36.46	-17.54	54	29.47	32.99	7.47	33.47	150	331	A	H
	*	5670	97.72	-	-	90.34	33.21	7.67	33.5	150	331	P	H
	*	5670	89.39	-	-	82.01	33.21	7.67	33.5	150	331	A	H
		5756.95	49.12	-24.88	74	41.6	33.31	7.74	33.53	150	331	P	H
		5726.675	37.17	-16.83	54	29.68	33.27	7.74	33.52	150	331	A	H
		5423.44	47.36	-26.64	74	40.45	32.98	7.43	33.5	150	161	P	V
		5465.2	36.37	-17.63	54	29.38	32.99	7.47	33.47	150	161	A	V
	*	5670	92.87	-	-	85.49	33.21	7.67	33.5	150	161	P	V
	*	5670	84.41	-	-	77.03	33.21	7.67	33.5	150	161	A	V
		5751.7	47.66	-26.34	74	40.14	33.31	7.74	33.53	150	161	P	V
		5725	36.56	-17.44	54	29.13	33.27	7.68	33.52	150	161	A	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	48.92	-25.08	74	57.72	39.8	10.97	59.57	100	230	P	H	
		16530	49.09	-24.91	74	56.24	38.57	13.91	59.63	100	300	P	H	
													H	
													H	
			11020	50.75	-23.25	74	59.55	39.8	10.97	59.57	100	230	P	V
			16530	49.87	-24.13	74	57.02	38.57	13.91	59.63	100	300	P	V
														V
802.11n HT40 CH 110 5550MHz		11100	50.08	-23.92	74	58.91	39.78	10.99	59.6	100	200	P	H	
		16650	49.93	-24.07	74	56.43	38.81	14.2	59.51	100	350	P	H	
													H	
													H	
			11100	48.85	-25.15	74	57.68	39.78	10.99	59.6	100	200	P	V
			16650	49.75	-24.25	74	56.25	38.81	14.2	59.51	100	350	P	V
														V
802.11n HT40 CH 134 5670MHz		11340	49.37	-24.63	74	58.27	39.73	11.06	59.69	250	0	P	H	
		17010	50.8	-23.2	74	55.28	39.54	15.08	59.1	150	0	P	H	
													H	
													H	
			11340	48.83	-25.17	74	57.73	39.73	11.06	59.69	250	0	P	V
			17010	50.92	-23.08	74	55.4	39.54	15.08	59.1	150	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		5466.16	50.97	-23.03	74	43.98	32.99	7.47	33.47	150	347	P	H
		5466.88	40.16	-13.84	54	33.17	32.99	7.47	33.47	150	347	A	H
	*	5530	94.75	-	-	87.63	33.02	7.57	33.47	150	347	P	H
	*	5530	86.8	-	-	79.68	33.02	7.57	33.47	150	347	A	H
		5730.525	46.94	-27.06	74	39.46	33.27	7.74	33.53	150	347	P	H
		5743.3	38.44	-15.56	54	30.94	33.29	7.74	33.53	150	347	A	H
		5469.52	48.47	-25.53	74	41.48	32.99	7.47	33.47	150	163	P	V
		5469.52	38.35	-15.65	54	31.36	32.99	7.47	33.47	150	163	A	V
	*	5530	89.3	-	-	82.18	33.02	7.57	33.47	150	163	P	V
	*	5530	81.59	-	-	74.47	33.02	7.57	33.47	150	163	A	V
		5744.875	48.06	-25.94	74	40.56	33.29	7.74	33.53	150	163	P	V
		5757.125	38.74	-15.26	54	31.22	33.31	7.74	33.53	150	163	A	V
802.11ac VHT80 CH 122 5610MHz		5444.56	47.19	-26.81	74	40.25	32.99	7.43	33.48	151	335	P	H
		5469.04	38.53	-15.47	54	31.54	32.99	7.47	33.47	151	335	A	H
	*	5610	96.65	-	-	89.37	33.12	7.65	33.49	151	335	P	H
	*	5610	88.01	-	-	80.73	33.12	7.65	33.49	151	335	A	H
		5759.575	48.07	-25.93	74	40.55	33.31	7.74	33.53	151	335	P	H
		5734.375	38.36	-15.64	54	30.88	33.27	7.74	33.53	151	335	A	H
		5396.08	47.95	-26.05	74	41.1	32.98	7.39	33.52	156	162	P	V
		5465.92	37.98	-16.02	54	30.99	32.99	7.47	33.47	156	162	A	V
	*	5610	91	-	-	83.72	33.12	7.65	33.49	156	162	P	V
	*	5610	83.21	-	-	75.93	33.12	7.65	33.49	156	162	A	V
	5734.9	47.24	-26.76	74	39.74	33.29	7.74	33.53	156	162	P	V	
	5755.025	38.06	-15.94	54	30.54	33.31	7.74	33.53	156	162	A	V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



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

WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level (dBμV)	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)	
802.11ac VHT80 CH 106 5530MHz		11060	48.55	-25.45	74	57.37	39.79	10.98	59.59	250	0	P	H	
		16590	50.83	-23.17	74	57.73	38.67	14.01	59.58	150	0	P	H	
													H	
													H	
			11060	49.3	-24.7	74	58.12	39.79	10.98	59.59	250	0	P	V
			16590	50.36	-23.64	74	57.26	38.67	14.01	59.58	150	0	P	V
														V
802.11ac VHT80 CH 122 5610MHz		11220	47.83	-26.17	74	56.7	39.76	11.02	59.65	250	0	P	H	
		16830	50.24	-23.76	74	55.83	39.16	14.59	59.34	150	0	P	H	
													H	
													H	
			11220	48.76	-25.24	74	57.63	39.76	11.02	59.65	250	0	P	V
			16830	49.33	-24.67	74	54.92	39.16	14.59	59.34	150	0	P	V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



**Emission below 1GHz**  
**WIFI 802.11n HT20 (LF @ 3m)**

WIFI	Note	Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Peak	Pol.	
Ant.				Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Avg.		
1		( MHz )	( dBμV/m )	( dB )	( dBμV/m )	( dBμV )	( dB/m )	( dB )	( dB )	( cm )	( deg )	( P/A )	( H/V )	
802.11n HT20 LF		76.56	32.4	-7.6	40	48.58	14.67	0.83	31.68	100	0	P	H	
		218.18	33.55	-12.45	46	46.93	16.48	1.4	31.26			P	H	
		234.67	32.96	-13.04	46	45.58	17.26	1.4	31.28			P	H	
		357.86	30.86	-15.14	46	39.15	21.28	1.71	31.28			P	H	
		722.58	30.89	-15.11	46	32.15	27.52	2.44	31.22			P	H	
		967.02	33.66	-20.34	54	32.3	29.75	2.88	31.27			P	H	
														H
														H
														H
														H
														H
														H
			39.7	33.83	-6.17	40	42.47	22.5	0.62	31.76	100	41	QP	V
			75.59	36.74	-3.26	40	53.21	14.38	0.83	31.68	100	34	QP	V
			203.63	33.14	-10.36	43.5	47.33	15.78	1.28	31.25			P	V
			394.72	29.36	-16.64	46	33.33	25.45	1.82	31.24			P	V
			852.56	32.81	-13.19	46	33.24	28.12	2.71	31.26			P	V
			964.11	33.35	-20.65	54	32.05	29.69	2.88	31.27			P	V
														V
														V
													V	
													V	
													V	
													V	
<b>Remark</b>	1. No other spurious found. 2. 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 C. Radiated Spurious Emission

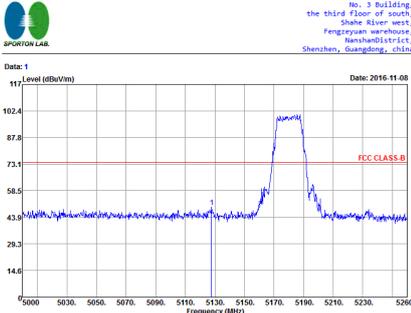
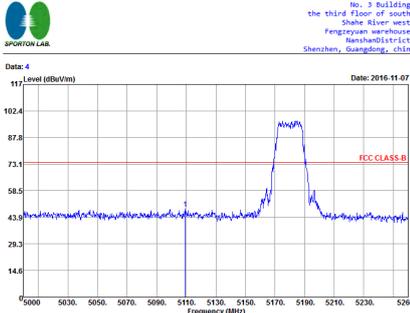
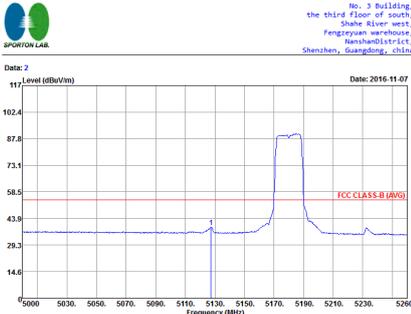
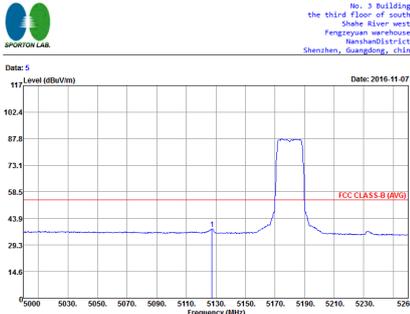
Test Engineer :	LiangLiang Lu	Temperature :	22~25°C
		Relative Humidity :	48~52%

### Note symbol

-L	Low channel location
-R	High channel location



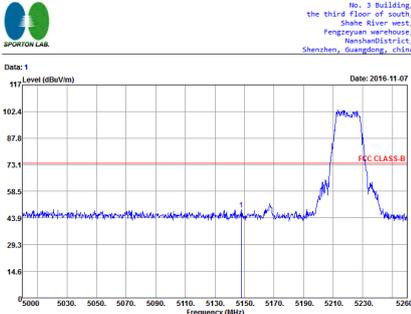
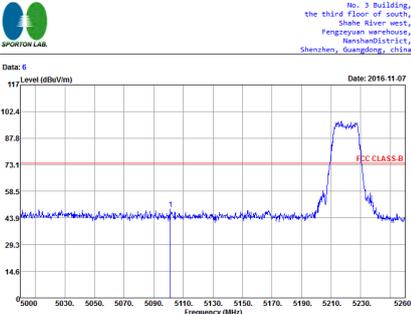
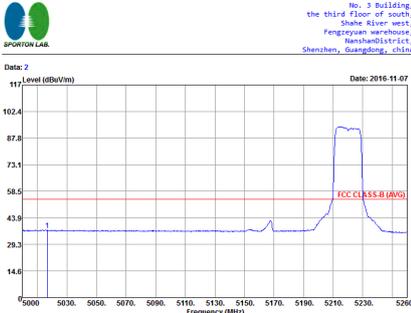
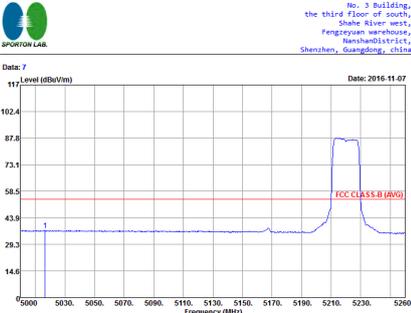
**Band 1 - 5150~5250MHz**  
**WIFI 802.11a (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p>	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 1 Sample : #20 Plane : X (Full) 指内</p>	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 1 Sample : #20 Plane : X (Full) 指内</p>
<p><b>Avg.</b></p>	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 1 Sample : #20 Plane : X (Full) 指内</p>	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 1 Sample : #20 Plane : X (Full) 指内</p>

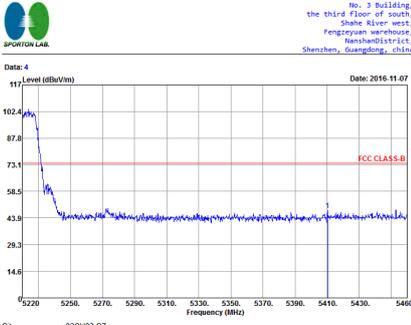
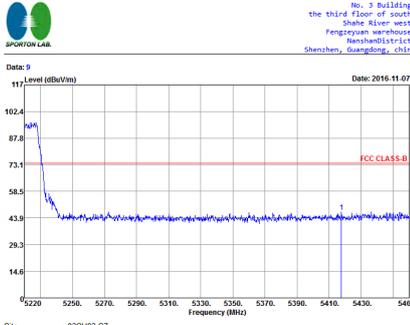
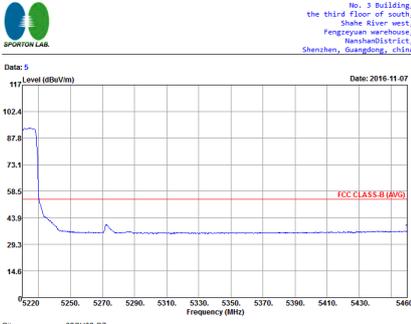


WIFI	Band 1 5150~5250MHz Fundamental @ 3m	
ANT	802.11a CH36 5180MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 1 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 1 Sample : #20 Plane : X (Full) 指内</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - L	
1	Horizontal	Vertical
Peak	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>FCC CLASS-B</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指内</p>	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>FCC CLASS-B</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>FCC CLASS-B (AVG)</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指内</p>	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>FCC CLASS-B (AVG)</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指内</p>

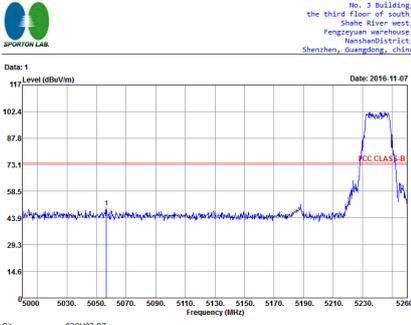
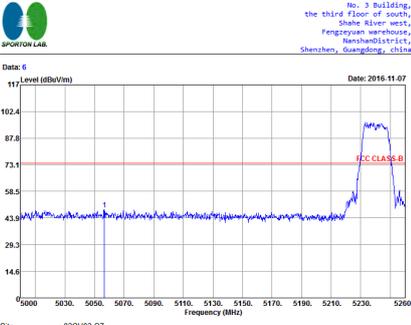


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH44 5220MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指内</p>

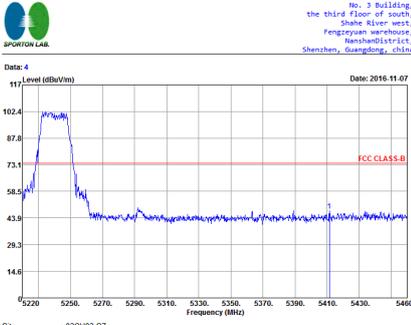
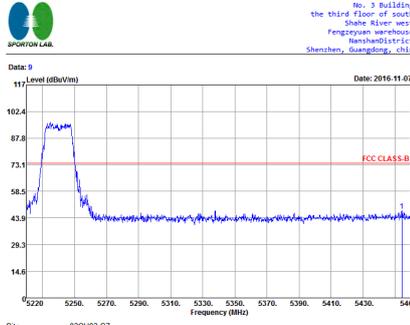
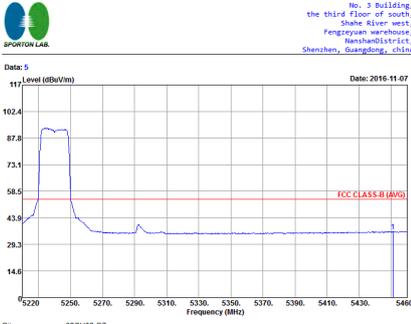
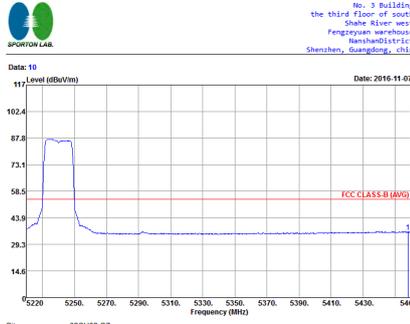


WIFI	Band 1 5150~5250MHz Fundamental @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指内</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - L	
1	Horizontal	Vertical
Peak	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>FCC CLASS-B</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指内</p>	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>FCC CLASS-B</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>FCC CLASS-B (AVG)</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指内</p>	 <p>No. 3 Building, the third floor of south, Shahe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Level (dBuV/m)</p> <p>Frequency (MHz)</p> <p>FCC CLASS-B (AVG)</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指内</p>



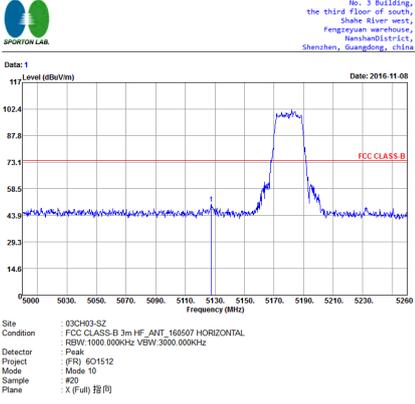
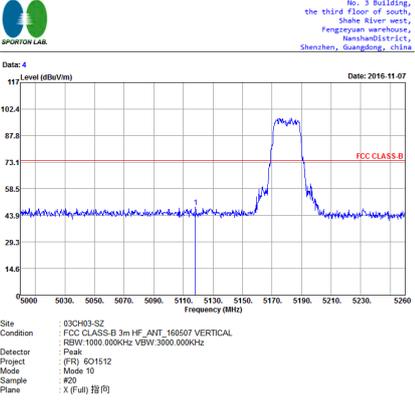
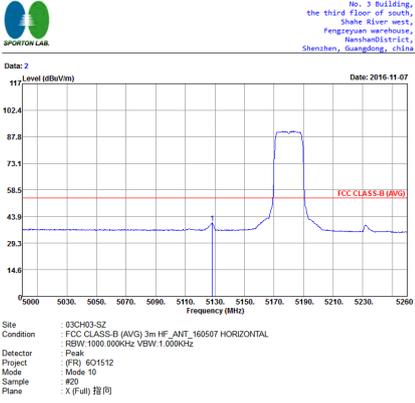
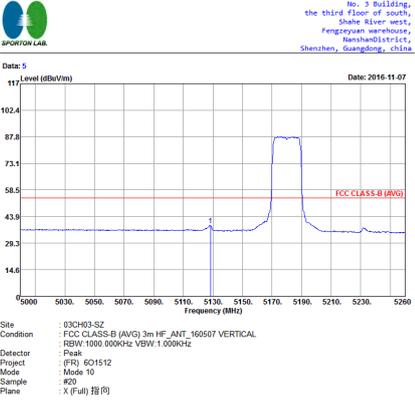
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11a CH48 5240MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指内</p>



WIFI	Band 1 5150~5250MHz Fundamental @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指内</p>



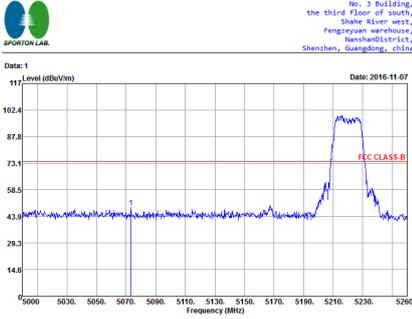
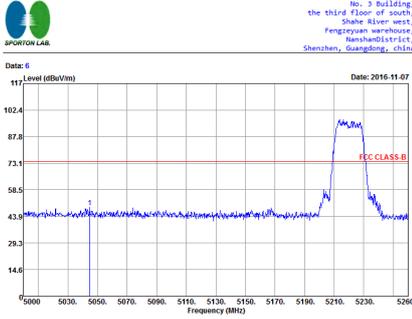
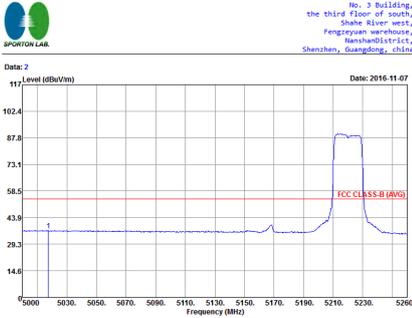
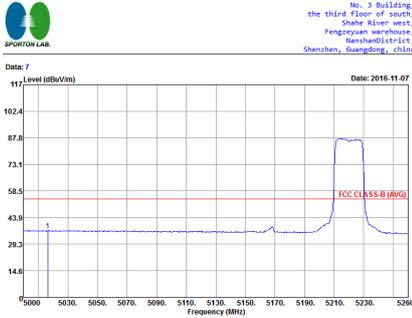
**Band 1 5150~5250MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p>	 <p><b>Horizontal Peak</b></p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 10 Sample : #20 Plane : X (Full) 指(向)</p>	 <p><b>Vertical Peak</b></p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 10 Sample : #20 Plane : X (Full) 指(向)</p>
<p><b>Avg.</b></p>	 <p><b>Horizontal Avg</b></p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 10 Sample : #20 Plane : X (Full) 指(向)</p>	 <p><b>Vertical Avg</b></p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 10 Sample : #20 Plane : X (Full) 指(向)</p>

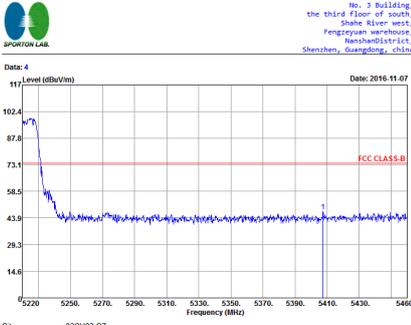
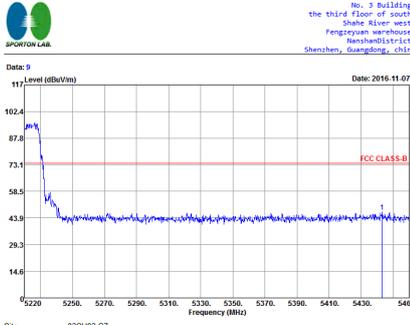
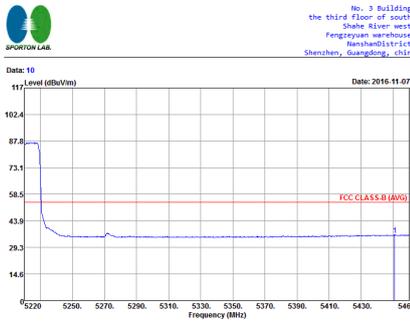


WIFI	Band 1 5150~5250MHz Fundamental @ 3m	
ANT	802.11n HT20 CH36 5180MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 10 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 10 Sample : #20 Plane : X (Full) 指内</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - L	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_166507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 11 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_166507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 11 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_166507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 11 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_166507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 11 Sample : #20 Plane : X (Full) 指内</p>

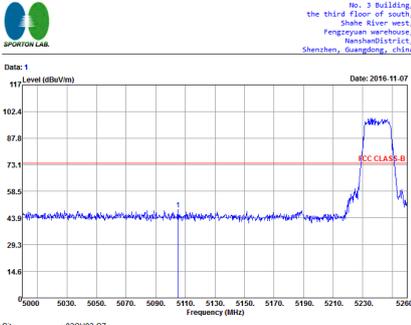
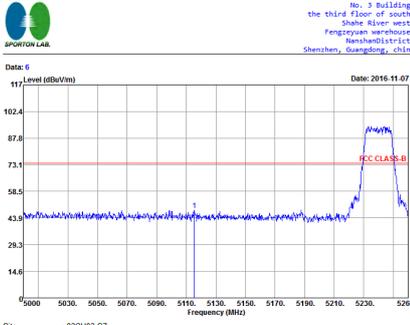
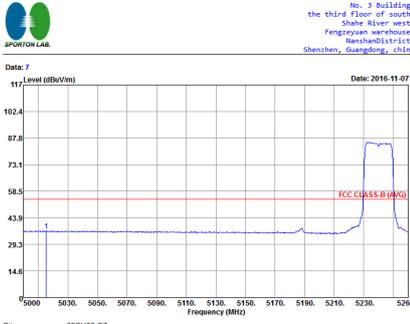


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH44 5220MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 11            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 11            Sample : #20            Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL            RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 11            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL            RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 11            Sample : #20            Plane : X (Full) 指内</p>

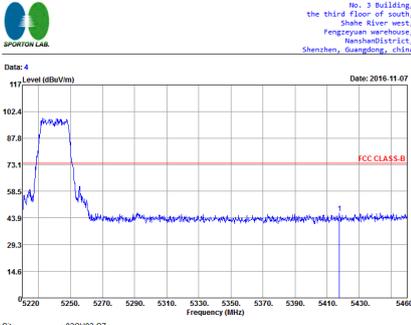
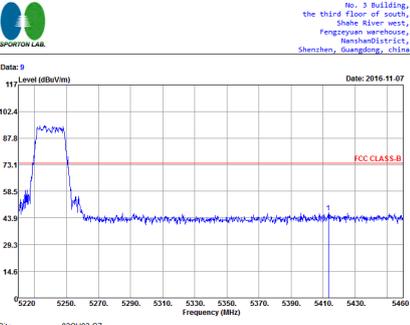
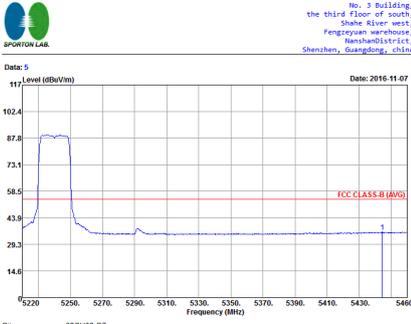


WIFI	Band 1 5150~5250MHz Fundamental @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 11 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 11 Sample : #20 Plane : X (Full) 指内</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - L	
1	Horizontal	Vertical
<p><b>Peak</b></p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 12            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 12            Sample : #20            Plane : X (Full) 指内</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL            : RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 12            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL            : RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 12            Sample : #20            Plane : X (Full) 指内</p>



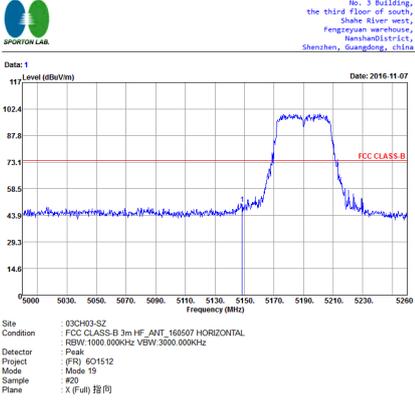
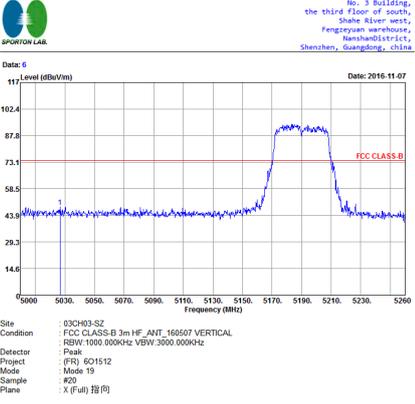
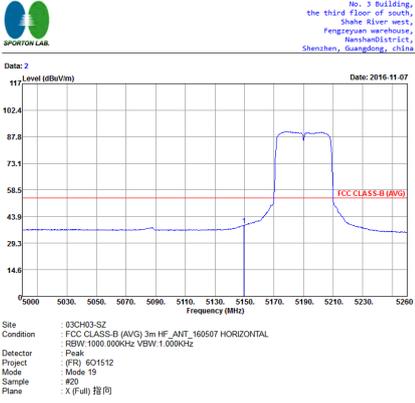
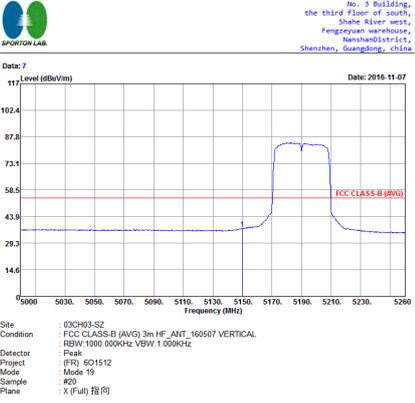
WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT20 CH48 5240MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 12 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 12 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 12 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 12 Sample : #20 Plane : X (Full) 指内</p>



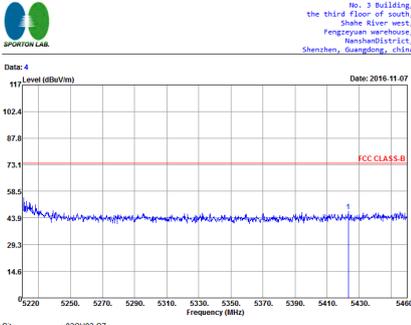
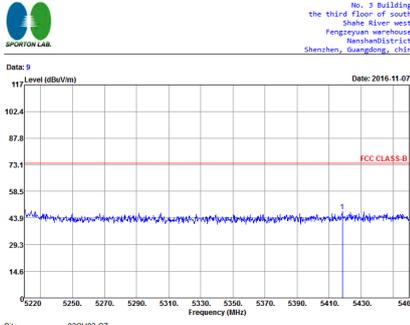
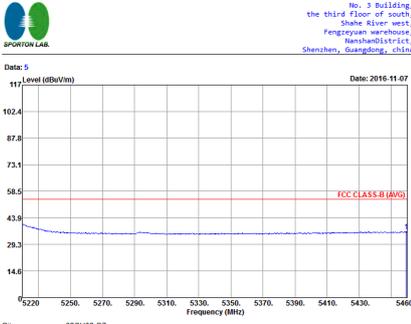
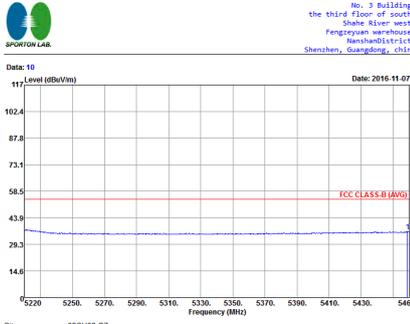
WIFI	Band 1 5150~5250MHz Fundamental @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 12 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 12 Sample : #20 Plane : X (Full) 指内</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	
1	Horizontal	Vertical
<p><b>Peak</b></p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 19 Sample : #20 Plane : X (Full) 指(向)</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 19 Sample : #20 Plane : X (Full) 指(向)</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 19 Sample : #20 Plane : X (Full) 指(向)</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 19 Sample : #20 Plane : X (Full) 指(向)</p>

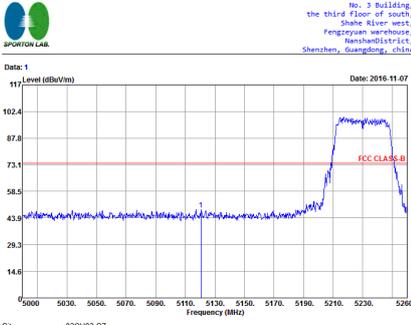
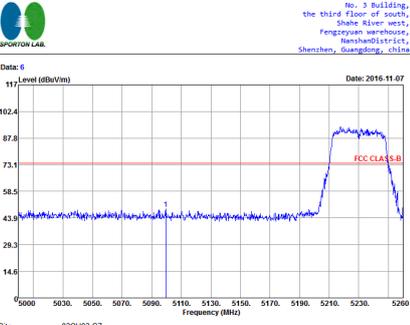
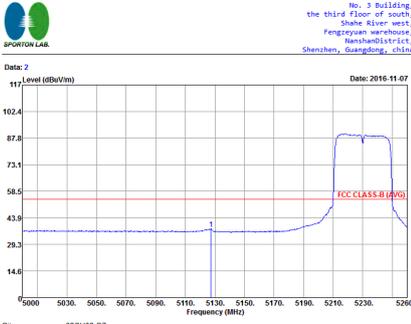


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH38 5190MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 19            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 19            Sample : #20            Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL            RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 19            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL            RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 19            Sample : #20            Plane : X (Full) 指内</p>

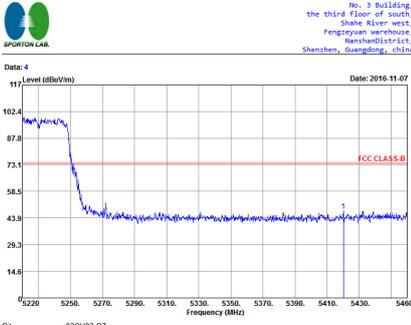
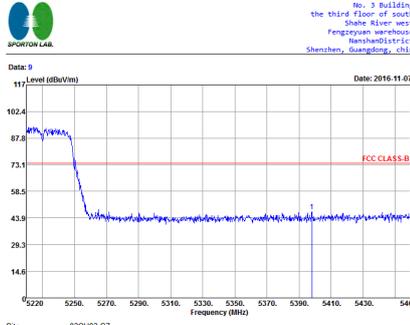
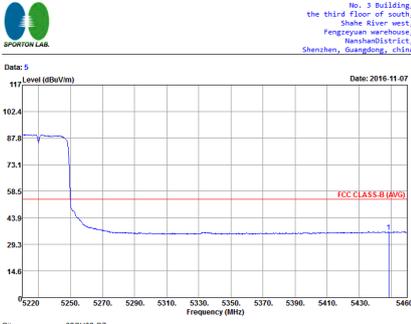
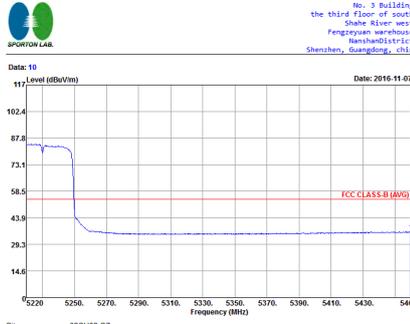


WIFI	Band 1 5150~5250MHz Fundamental @ 3m	
ANT	802.11n HT40 CH38 5190MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 19 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 19 Sample : #20 Plane : X (Full) 指内</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - L	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指内</p>

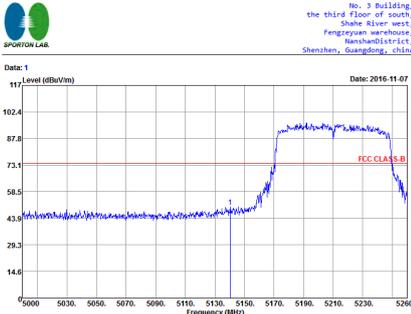
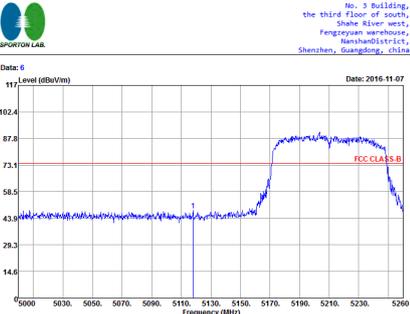
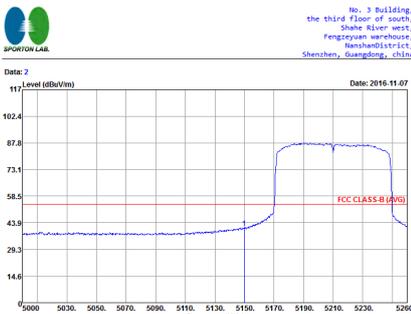
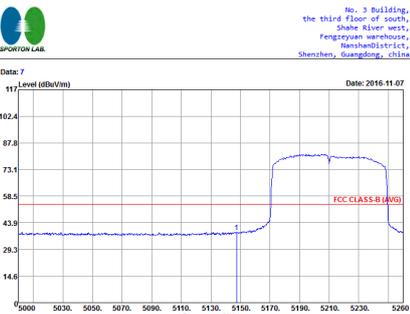


WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11n HT40 CH46 5230MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指内</p>

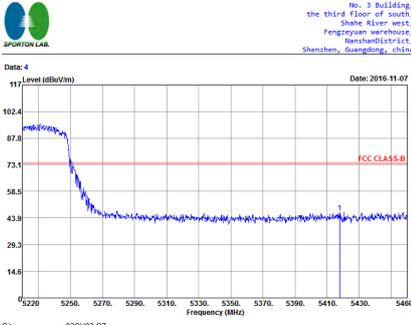
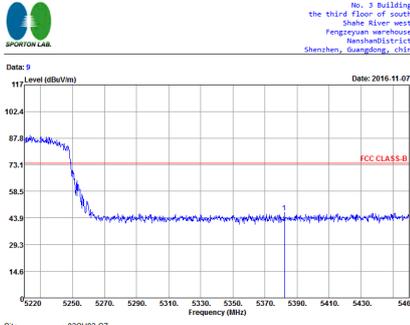
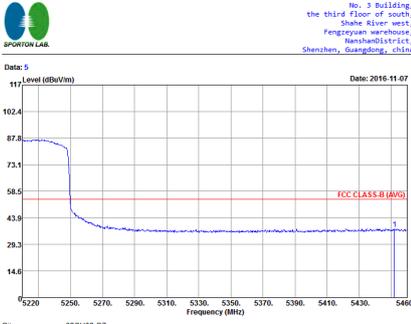
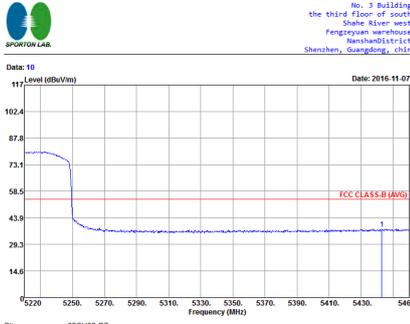


WIFI	Band 1 5150~5250MHz Fundamental @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指内</p>

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

WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - L	
1	Horizontal	Vertical
<p><b>Peak</b></p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL RBW: 1000.000kHz VBW: 3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 26 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL RBW: 1000.000kHz VBW: 3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 26 Sample : #20 Plane : X (Full) 指内</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 HORIZONTAL RBW: 1000.000kHz VBW: 10.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 26 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 VERTICAL RBW: 1000.000kHz VBW: 10.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 26 Sample : #20 Plane : X (Full) 指内</p>



WIFI	Band 1 5150~5250MHz Band Edge @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 25            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 25            Sample : #20            Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL            RBW:1000.000kHz VBW:10.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 26            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL            RBW:1000.000kHz VBW:10.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 26            Sample : #20            Plane : X (Full) 指内</p>



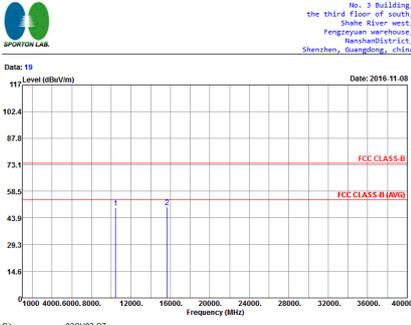
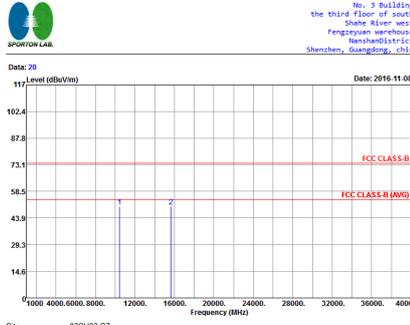
WIFI	Band 1 5150~5250MHz Fundamental @ 3m	
ANT	802.11ac VHT80 CH42 5210MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 25 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 25 Sample : #20 Plane : X (Full) 指内</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><b>Peak</b> <b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shake Silver west, Fengzeyan warehouse, NanshanDistricts, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ  Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL  Detector : Peak  Project : (FR) 601512  Mode : Mode 1  Sample : #00  Plane : X (Full) 指向</p>	<p>No. 3 Building, the third floor of south, Shake Silver west, Fengzeyan warehouse, NanshanDistricts, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ  Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL  Detector : Peak  Project : (FR) 601512  Mode : Mode 1  Sample : #00  Plane : X (Full) 指向</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH44 5220MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指向</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 2 Sample : #20 Plane : X (Full) 指向</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11a CH48 5240MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指向</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 3 Sample : #20 Plane : X (Full) 指向</p>



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

Table with 2 main columns: Horizontal and Vertical. Each column contains a graph showing Level (dBuV/m) vs Frequency (MHz) with FCC CLASS B and FCC CLASS B (AVG) limits. Includes site information and test parameters.



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH44 5220MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 11 Sample : #20 Plane : X (Full) 指向</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 11 Sample : #20 Plane : X (Full) 指向</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT20 CH48 5240MHz	
1	Horizontal	Vertical
Peak Avg.	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 12 Sample : #20 Plane : X (Full) 指向</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 12 Sample : #20 Plane : X (Full) 指向</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
<p><b>Peak</b> <b>Avg.</b></p>	<p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : FR601512 Mode : Mode 19 Sample : #20 Plane : X (Full) 指向</p>	<p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL Detector : Peak Project : FR601512 Mode : Mode 19 Sample : #20 Plane : X (Full) 指向</p>



WIFI	Band 1 5150~5250MHz Harmonic @ 3m	
ANT	802.11n HT40 CH46 5230MHz	
1	Horizontal	Vertical
Peak Avg.	<p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指向</p>	<p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 20 Sample : #20 Plane : X (Full) 指向</p>



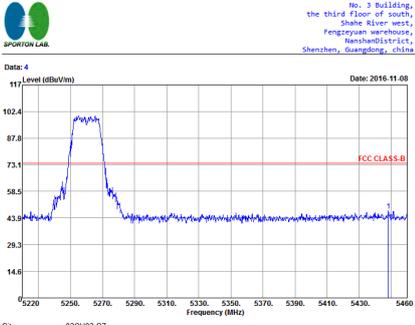
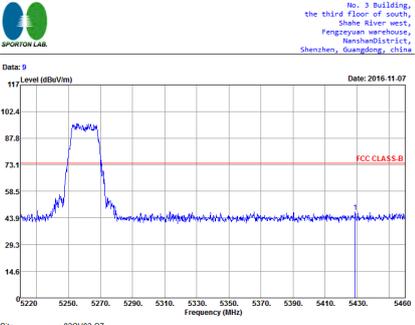
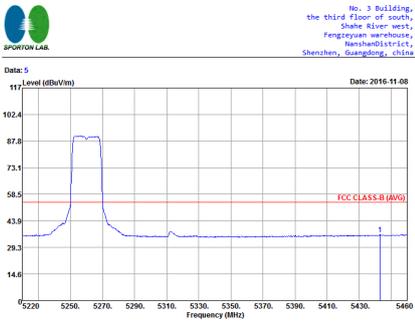
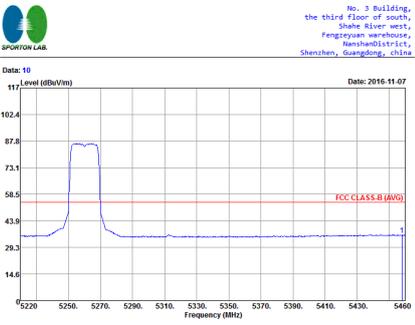
Band 1 5150~5250MHz
WIFI 802.11ac VHT80 (Harmonic @ 3m)

Table with 2 columns: Horizontal and Vertical. It contains two spectral plots showing Level (dBuV/m) vs Frequency (MHz) for Peak and Avg. measurements. The plots include site information, test conditions, and FCC CLASS B limits.

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

WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - L	
1	Horizontal	Vertical
<b>Peak</b>	<p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 4 Sample : #20 Plane : X (Full) 指内</p>	<p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 4 Sample : #20 Plane : X (Full) 指内</p>
<b>Avg.</b>	<p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 4 Sample : #20 Plane : X (Full) 指内</p>	<p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 4 Sample : #20 Plane : X (Full) 指内</p>

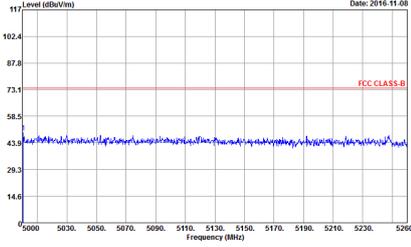
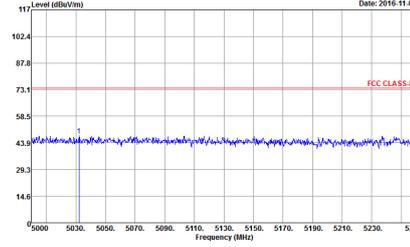
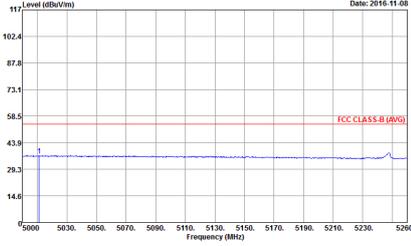
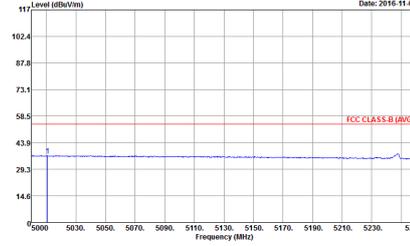


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH52 5260MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 4 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 4 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 4 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 4 Sample : #20 Plane : X (Full) 指内</p>

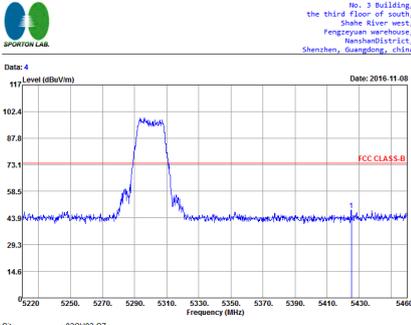
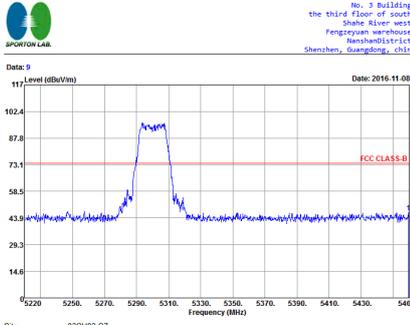
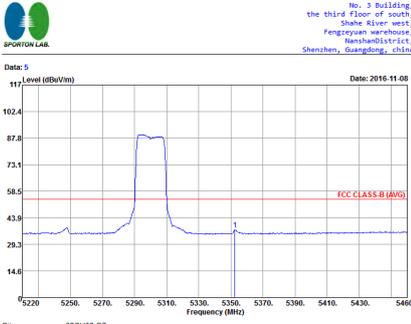
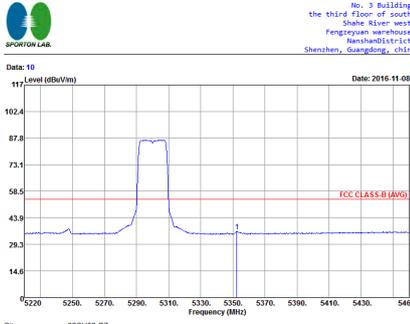


WIFI	Band 2 5250~5350MHz Fundamental @ 3m	
ANT	802.11a CH52 5260MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 4 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, NanshanDistrict, Shenzhen, Guangdong, china</p> <p>Date: 2016-11-07</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 4 Sample : #20 Plane : X (Full) 指内</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - L	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 5 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 5 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 5 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 5 Sample : #20 Plane : X (Full) 指内</p>

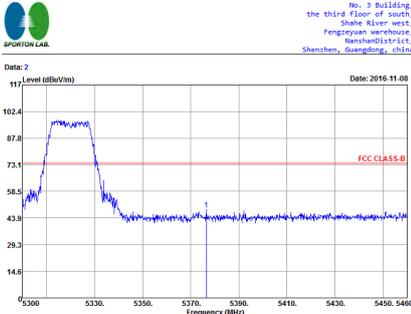
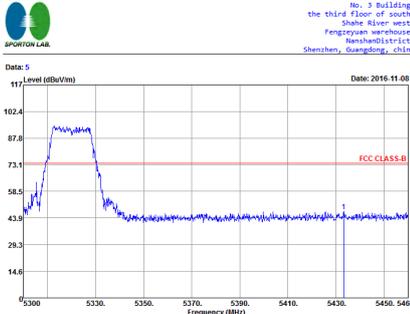
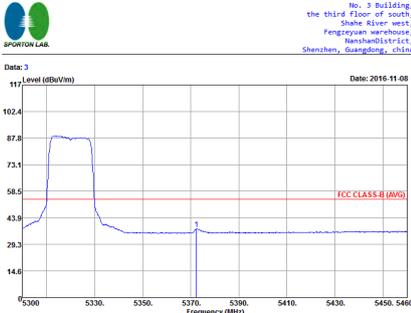
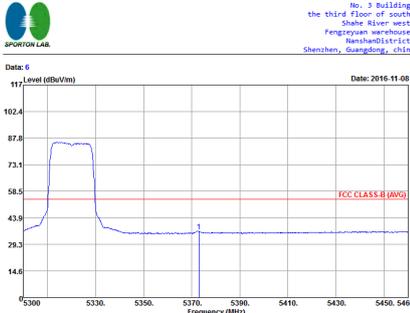


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 5            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 5            Sample : #20            Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL            : RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 5            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL            : RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 5            Sample : #20            Plane : X (Full) 指内</p>



WIFI	Band 2 5250~5350MHz Fundamental @ 3m	
ANT	802.11a CH60 5300MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<div style="text-align: right; font-size: small;">           No. 3 Building,            the third floor of south,            Shobe River west,            Fengzeyuan warehouse,            Nanshandi street,            Shenzhen, Guangdong, china         </div> <div style="font-size: x-small;"> <p>Date: 3 Level (dBuV/m) Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode S Sample : #20 Plane : X (Full) 指内</p> </div>	<div style="text-align: right; font-size: small;">           No. 3 Building,            the third floor of south,            Shobe River west,            Fengzeyuan warehouse,            Nanshandi street,            Shenzhen, Guangdong, china         </div> <div style="font-size: x-small;"> <p>Date: 8 Level (dBuV/m) Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode S Sample : #20 Plane : X (Full) 指内</p> </div>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 6 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 6 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 6 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 6 Sample : #20 Plane : X (Full) 指内</p>



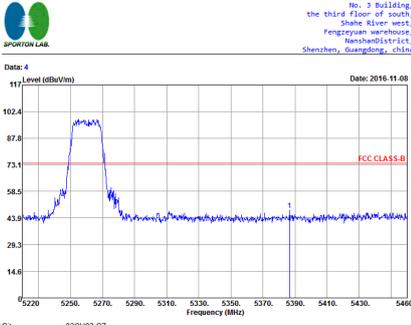
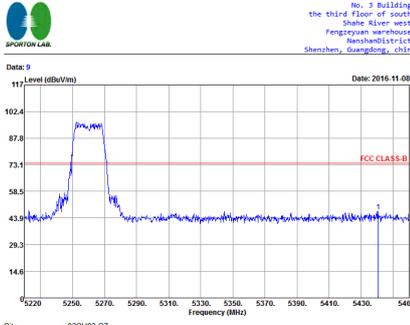
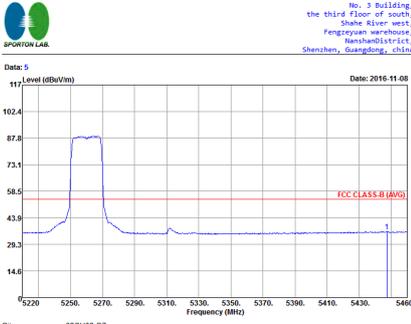
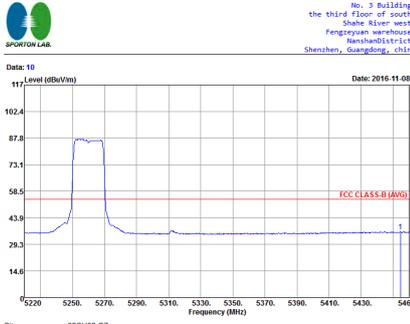
WIFI	Band 2 5250~5350MHz Fundamental @ 3m	
ANT	802.11a CH64 5320MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 6 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 6 Sample : #20 Plane : X (Full) 指内</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	Vertical
<b>Peak</b>	<p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 13 Sample : #20 Plane : X (Full) 指(向)</p>	<p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 13 Sample : #20 Plane : X (Full) 指(向)</p>
<b>Avg.</b>	<p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 13 Sample : #20 Plane : X (Full) 指(向)</p>	<p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF_ANT_160507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 13 Sample : #20 Plane : X (Full) 指(向)</p>

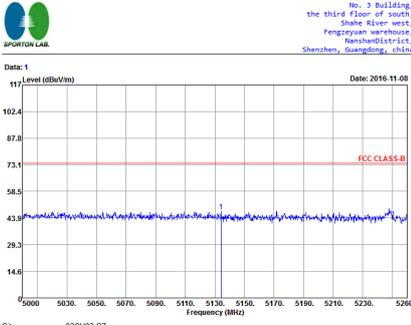
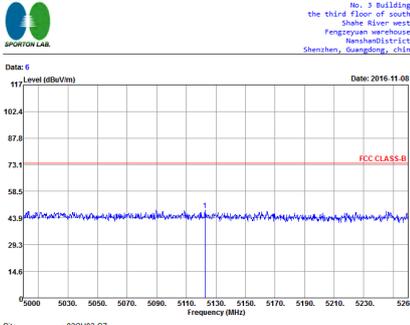
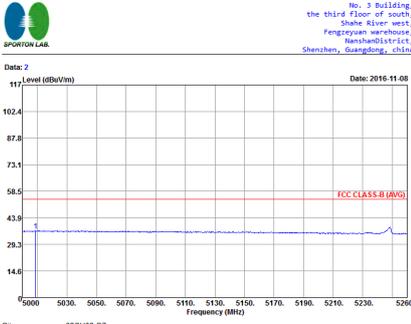
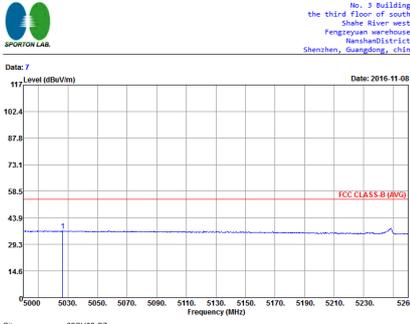


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH52 5260MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 13 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 13 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 13 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 13 Sample : #20 Plane : X (Full) 指内</p>

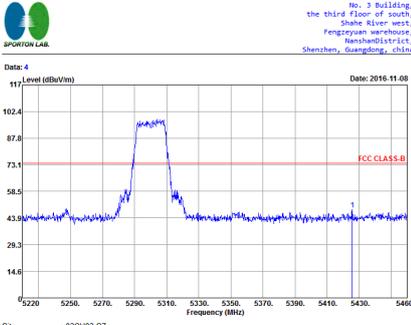
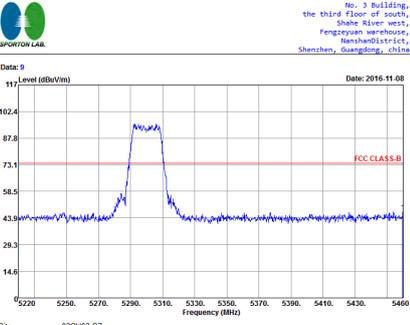
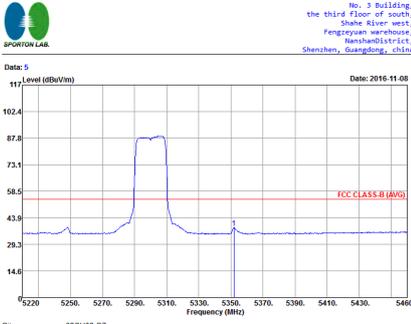
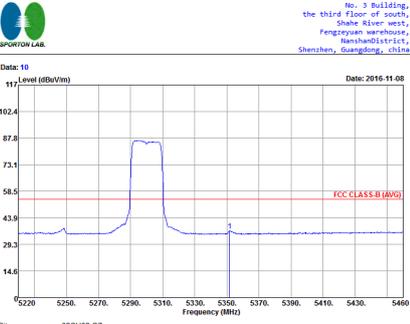


WIFI	Band 2 5250~5350MHz Fundamental @ 3m	
ANT	802.11n HT20 CH52 5260MHz	
1	Horizontal	Vertical
Peak Avg	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p style="font-size: small;">No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p style="font-size: x-small;">Data: 3 Level (dBuV/m) Date: 2016-11-08</p> <p style="font-size: x-small;">Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL RBW: 1000.000kHz VBW: 3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 13 Sample : #20 Plane : X (Full) 指内</p> </div> <div style="width: 48%;"> <p style="font-size: small;">No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p style="font-size: x-small;">Data: 8 Level (dBuV/m) Date: 2016-11-08</p> <p style="font-size: x-small;">Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL RBW: 1000.000kHz VBW: 3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 13 Sample : #20 Plane : X (Full) 指内</p> </div> </div>	



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - L	
1	Horizontal	Vertical
<p><b>Peak</b></p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 14            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL            : RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 14            Sample : #20            Plane : X (Full) 指内</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL            : RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 14            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL            : RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 14            Sample : #20            Plane : X (Full) 指内</p>

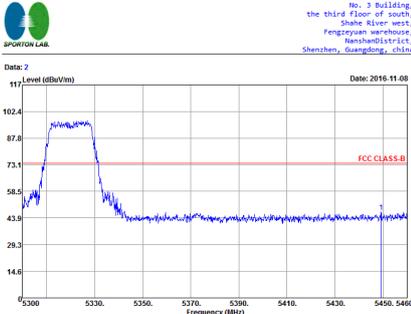
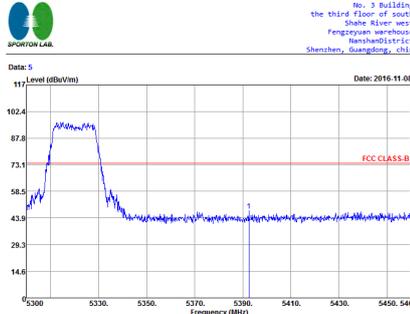
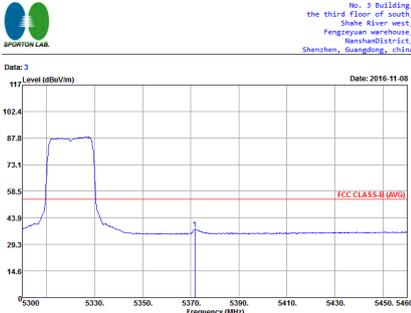
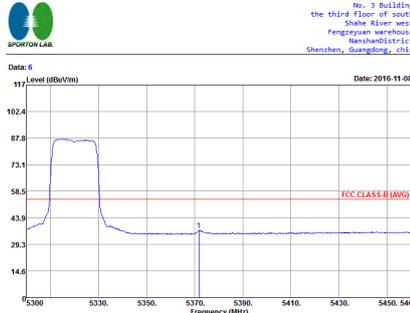


WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH60 5300MHz - R	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 14            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL            RBW:1000.000kHz VBW:3000.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 14            Sample : #20            Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL            RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 14            Sample : #20            Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ            Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL            RBW:1000.000kHz VBW:1.000kHz            Detector : Peak            Project : (FR) 601512            Mode : Mode 14            Sample : #20            Plane : X (Full) 指内</p>

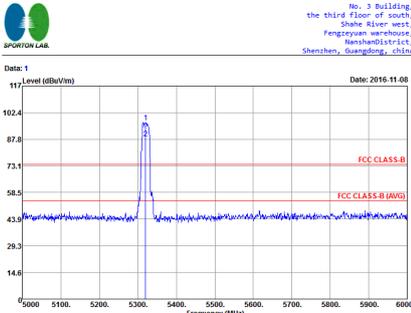
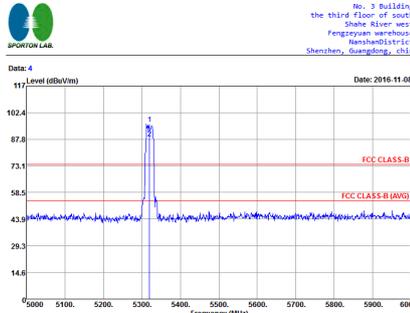


WIFI	Band 2 5250~5350MHz Fundamental @ 3m	
ANT	802.11n HT20 CH60 5300MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg</b></p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 14 Sample : #20 Plane : X (Full) 指内</p>	<p>No. 3 Building, the third floor of south, Shihe River west, Fengze Yuan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 14 Sample : #20 Plane : X (Full) 指内</p>



WIFI	Band 2 5250~5350MHz Band Edge @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
Peak	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 15 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:3000.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 15 Sample : #20 Plane : X (Full) 指内</p>
Avg.	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 HORIZONTAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 15 Sample : #20 Plane : X (Full) 指内</p>	 <p>Site : 03CH03-SZ Condition : FCC CLASS-B (AVG) 3m HF ANT_160507 VERTICAL : RBW:1000.000kHz VBW:1.000kHz Detector : Peak Project : (FR) 601512 Mode : Mode 15 Sample : #20 Plane : X (Full) 指内</p>



WIFI	Band 2 5250~5350MHz Fundamental @ 3m	
ANT	802.11n HT20 CH64 5320MHz	
1	Horizontal	Vertical
<p><b>Peak</b></p> <p><b>Avg.</b></p>	 <p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 HORIZONTAL Detector : Peak Project : (FR) 601512 Mode : Mode 15 Sample : #20 Plane : X (Full) 指内</p>	 <p>No. 3 Building, the third floor of south, Shihe River west, Fengzeyan warehouse, Nanshan District, Shenzhen, Guangdong, China</p> <p>Date: 2016-11-08</p> <p>Site : 03CH03-SZ Condition : FCC CLASS-B 3m HF ANT_166507 VERTICAL Detector : Peak Project : (FR) 601512 Mode : Mode 15 Sample : #20 Plane : X (Full) 指内</p>