



# FCC RF Test Report

APPLICANT : Altocirco LLC  
EQUIPMENT : Electronic Display Device  
MODEL NAME : CW96BW  
FCC ID : 2AHSB-7349  
STANDARD : FCC Part 15 Subpart C §15.247  
CLASSIFICATION : (DTS) Digital Transmission System

The testing was completed on Feb. 03, 2017. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager



## SPORTON INTERNATIONAL INC.

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SPORTON INTERNATIONAL INC.

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FCC ID : 2AHSB-7349

Page Number : 1 of 43

Report Issued Date : Apr. 17, 2017

Report Version : Rev. 01

Report Template No.: BU5-FR15CWL Version 1.3



# TABLE OF CONTENTS

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

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

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

    1.1 Applicant .....5

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

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

    1.4 Modification of EUT .....5

    1.5 Testing Location .....6

    1.6 Applicable Standards.....6

**2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST .....7**

    2.1 Carrier Frequency and Channel .....7

    2.2 Test Mode.....8

    2.3 Connection Diagram of Test System.....9

    2.4 Support Unit used in test configuration and system .....10

    2.5 EUT Operation Test Setup .....10

    2.6 Measurement Results Explanation Example.....11

**3 TEST RESULT .....12**

    3.1 6dB and 99% Bandwidth Measurement .....12

    3.2 Output Power Measurement.....14

    3.3 Power Spectral Density Measurement .....15

    3.4 Conducted Band Edges and Spurious Emission Measurement .....17

    3.5 Radiated Band Edges and Spurious Emission Measurement .....33

    3.6 AC Conducted Emission Measurement.....37

    3.7 Antenna Requirements .....41

**4 LIST OF MEASURING EQUIPMENT .....42**

**5 UNCERTAINTY OF EVALUATION .....43**

**APPENDIX A. CONDUCTED TEST RESULTS**

**APPENDIX B. RADIATED SPURIOUS EMISSION**

**APPENDIX C. RADIATED SPURIOUS EMISSION PLOTS**

**APPENDIX D. DUTY CYCLE PLOTS**





### SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result
3.1	15.247(a)(2)	6dB Bandwidth	$\geq 0.5\text{MHz}$	Pass
3.1	-	99% Bandwidth	-	Pass
3.2	15.247(b)	Power Output Measurement	$\leq 30\text{dBm}$	Pass
3.3	15.247(e)	Power Spectral Density	$\leq 8\text{dBm}/3\text{kHz}$	Pass
3.4	15.247(d)	Conducted Band Edges	$\leq 20\text{dBc}$	Pass
		Conducted Spurious Emission		Pass
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass
3.6	15.207	AC Conducted Emission	15.207(a)	Pass
3.7	15.203 & 15.247(b)	Antenna Requirement	N/A	Pass



# 1 General Description

## 1.1 Applicant

Altocirro LLC

7250 Redwood Blvd., Suite 300 Novato, California 94945

## 1.2 Product Feature of Equipment Under Test

Product Feature	
Equipment	Electronic Display Device
Model Name	CW96BW
FCC ID	2AHSB-7349
EUT supports Radios application	GSM/EGPRS/WCDMA/HSPA/LTE WLAN 11b/g/n HT20 Bluetooth BR/EDR

## 1.3 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Channel Frequency Range	2412 MHz ~ 2472 MHz
Maximum (Peak) Output Power to antenna	802.11b : 20.68 dBm (0.1169 W) 802.11g : 26.16 dBm (0.4130 W) 802.11n HT20 : 26.25 dBm (0.4217 W)
99% Occupied Bandwidth	802.11b : 14.25MHz 802.11g : 17.30MHz 802.11n HT20 : 18.60MHz
Antenna Type / Gain	Fixed Internal Antenna type with gain 1.70 dBi
Type of Modulation	802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)

## 1.4 Modification of EUT

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



### 1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code : 1190) and the FCC designation No. TW0007 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

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

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

<b>Test Site</b>	SPORTON INTERNATIONAL INC.	
<b>Test Site Location</b>	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
<b>Test Site No.</b>	<b>Sporton Site No.</b>	
	03CH10-HY	

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

### 1.6 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r05
- ♦ ANSI C63.10-2013

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



## 2 Test Configuration of Equipment Under Test

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

### 2.1 Carrier Frequency and Channel

Frequency Band	Channel	Freq. (MHz)	Channel	Freq. (MHz)
2400-2483.5 MHz	1	2412	8	2447
	2	2417	9	2452
	3	2422	10	2457
	4	2427	11	2462
	5	2432	12	2467
	6	2437	13	2472
	7	2442	-	-



## 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.

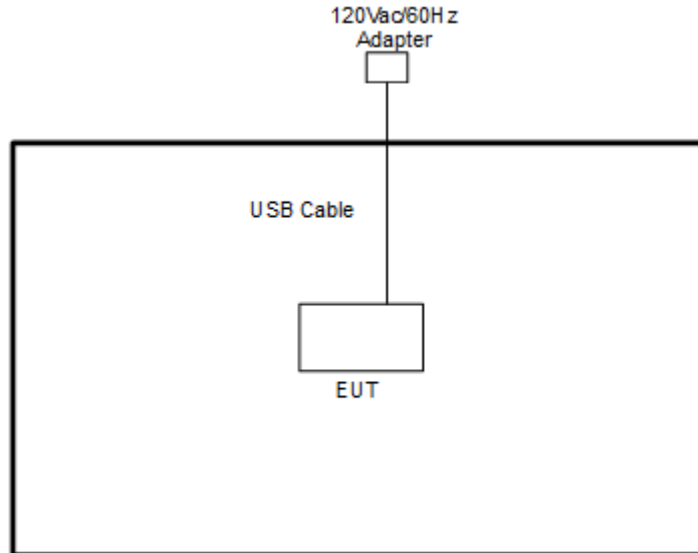
Modulation	Data Rate
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0

Test Cases	
<b>AC</b>	Mode 1: WLAN Link + USB Cable (Charging from Adapter)
<b>Conducted Emission</b>	Mode 2: GSM850 (GPRS class 8) Idle + Bluetooth Link + USB Cable (Charging from Adapter)
<b>Remark:</b> The worst case of conducted emission is mode 1; only the test data of it was reported.	

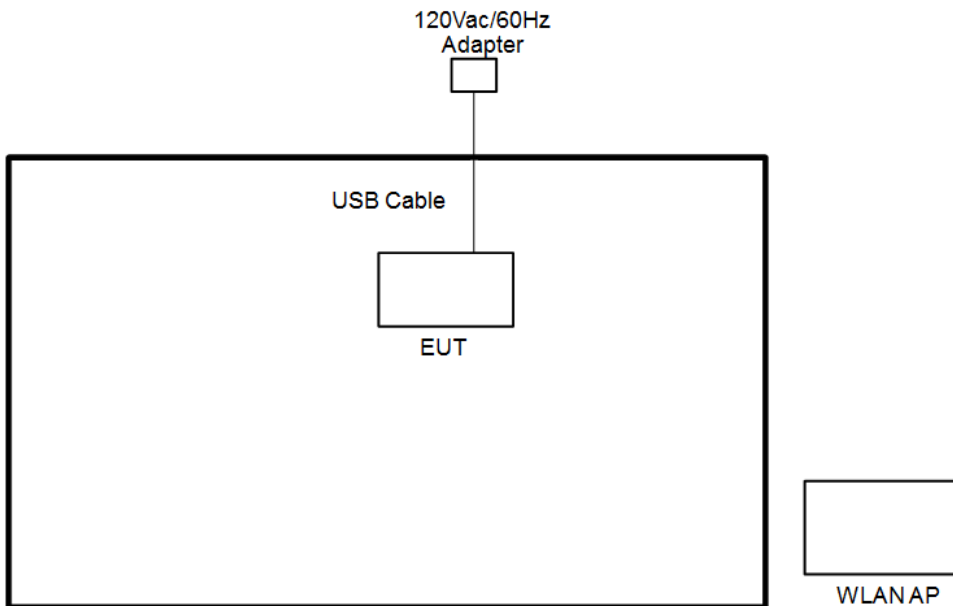


## 2.3 Connection Diagram of Test System

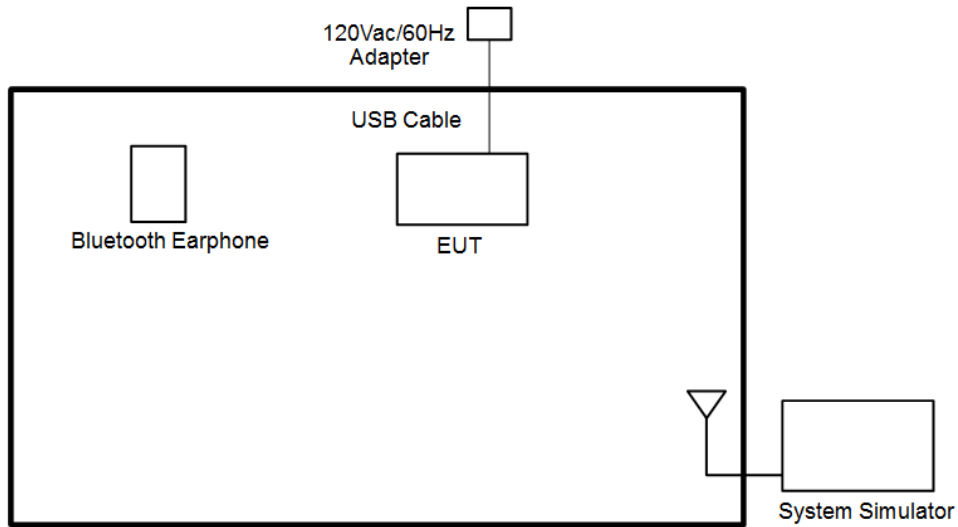
<WLAN Tx Mode>



<EUT with WLAN Link Mode>



**<EUT with Bluetooth Link 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.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A

**2.5 EUT Operation Test Setup**

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



## 2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example :

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

*Offset = RF cable loss + attenuator factor.*

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

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

### 3 Test Result

#### 3.1 6dB and 99% Bandwidth Measurement

##### 3.1.1 Limit of 6dB and 99% Bandwidth

The minimum 6 dB bandwidth shall be at least 500 kHz.

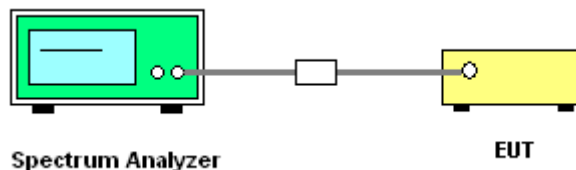
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

1. The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v03r05.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 100 kHz. Set the Video bandwidth (VBW) = 300 kHz. In order to make an accurate measurement. The 6 dB bandwidth must be greater than 500 kHz.
5. For 99% Bandwidth Measurement, the spectrum analyzer's resolution bandwidth (RBW) = 1MHz and set the Video bandwidth (VBW) = 3MHz.
6. Measure and record the results in the test report.

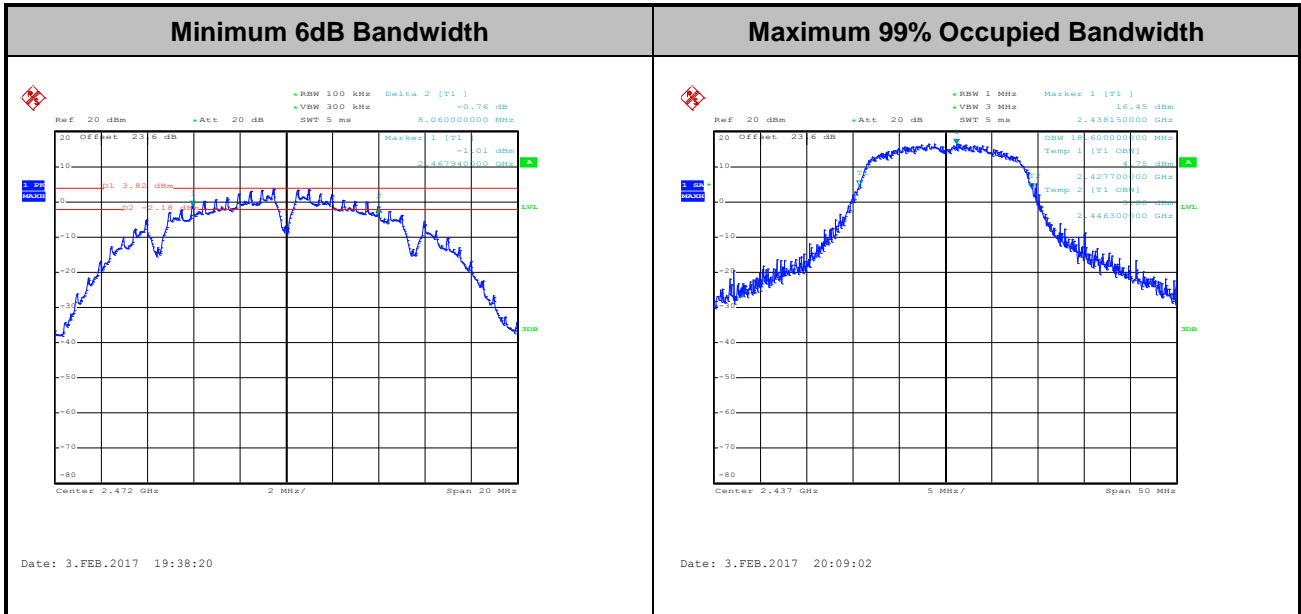
##### 3.1.4 Test Setup





### 3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A.



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

## 3.2 Output Power Measurement

### 3.2.1 Limit of Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm. If transmitting antenna of directional gain greater than 6dBi are used the peak output power from the intentional radiator shall be reduced below the above stated value by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

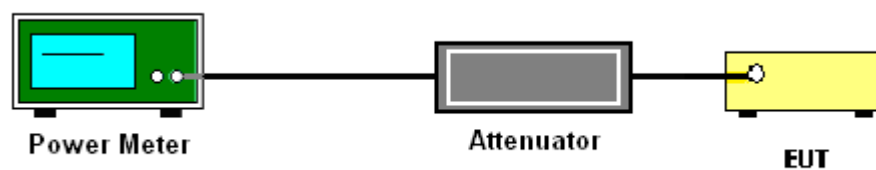
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

1. The testing follows the Measurement Procedure of FCC KDB No. 558074 DTS D01 Meas. Guidance v03r05 section 9.1.2 PKPM1 Peak power meter method.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Measure the conducted output power and record the results in the test report.

### 3.2.4 Test Setup



### 3.2.5 Test Result of Peak Output Power

Please refer to Appendix A.

### 3.2.6 Test Result of Average output Power (Reporting Only)

Please refer to Appendix A.

### 3.3 Power Spectral Density Measurement

#### 3.3.1 Limit of Power Spectral Density

The peak power spectral density shall not be greater than 8dBm in any 3kHz band at any time interval of continuous transmission.

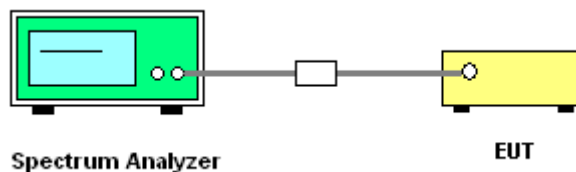
#### 3.3.2 Measuring Instruments

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

#### 3.3.3 Test Procedures

1. The testing follows Measurement Procedure 10.2 Method PKPSD of FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r05
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Make the measurement with the spectrum analyzer's resolution bandwidth (RBW) = 3 kHz. Video bandwidth VBW = 10 kHz In order to make an accurate measurement, set the span to 1.5 times DTS Channel Bandwidth. (6dB BW)
5. Detector = peak, Sweep time = auto couple, Trace mode = max hold, Allow trace to fully stabilize. Use the peak marker function to determine the maximum power level.
6. Measure and record the results in the test report.

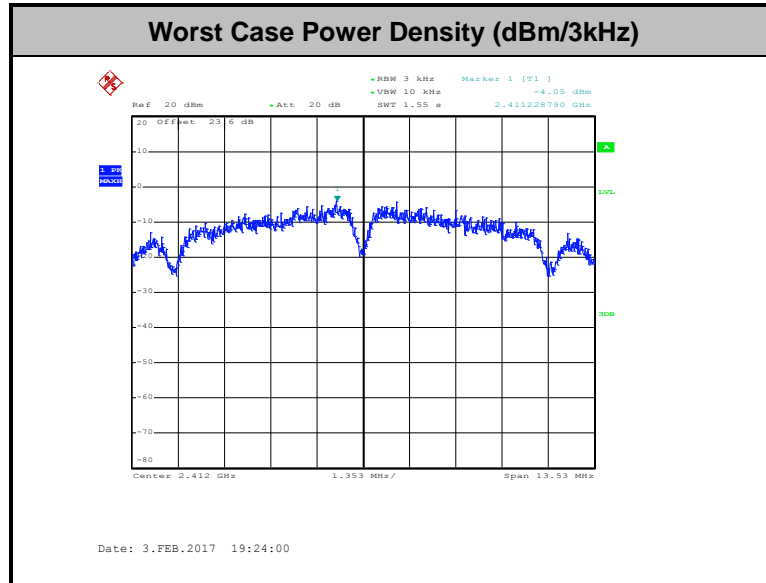
#### 3.3.4 Test Setup





### 3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.





## 3.4 Conducted Band Edges and Spurious Emission Measurement

### 3.4.1 Limit of Conducted Band Edges and Spurious Emission Measurement

In any 100 kHz bandwidth outside of the authorized frequency band, the emissions which fall in the non-restricted bands shall be attenuated at least 20 dB / 30dB relative to the maximum PSD level in 100 kHz by RF conducted measurement and radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

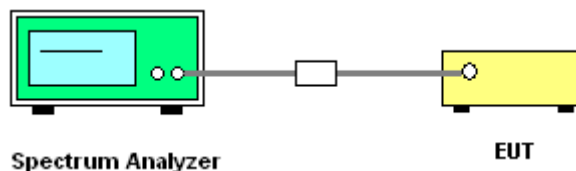
### 3.4.2 Measuring Instruments

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

### 3.4.3 Test Procedures

1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r05.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit continuously.
4. Set RBW = 100 kHz, VBW=300 kHz, Peak Detector. Unwanted Emissions measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when maximum peak conducted output power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB per 15.247(d).
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

### 3.4.4 Test Setup



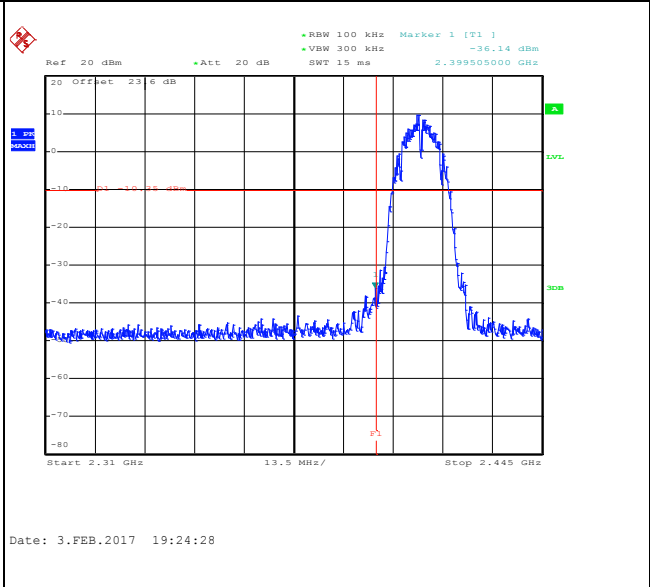
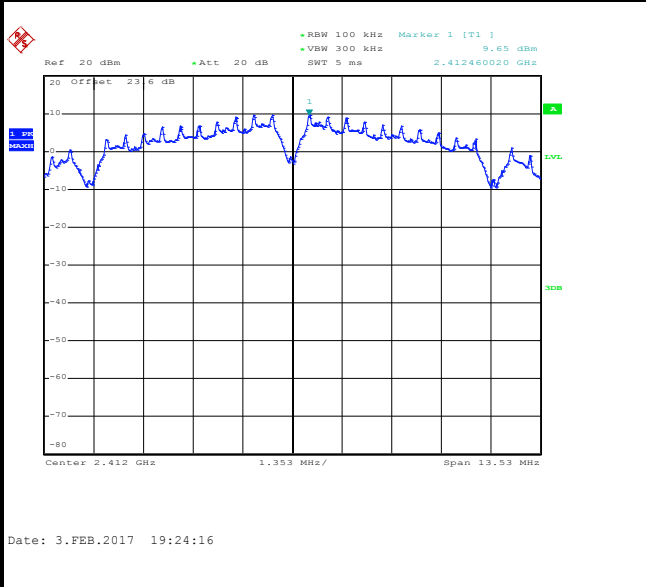


### 3.4.5 Test Result of Conducted Band Edges and Spurious Emission

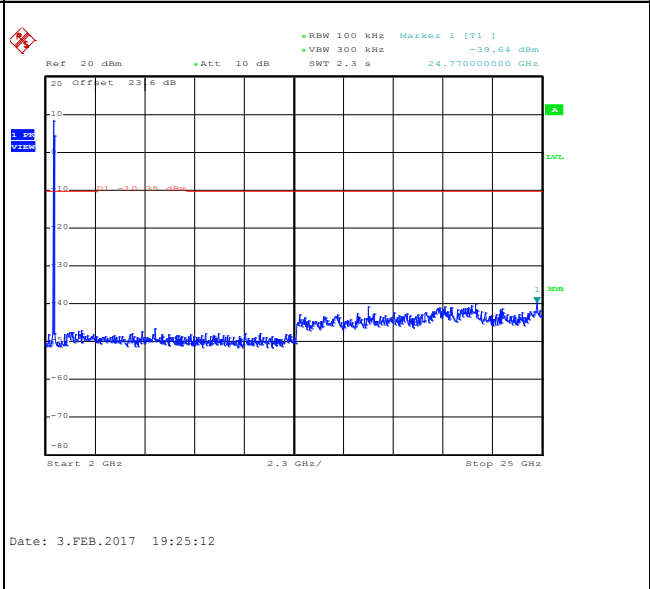
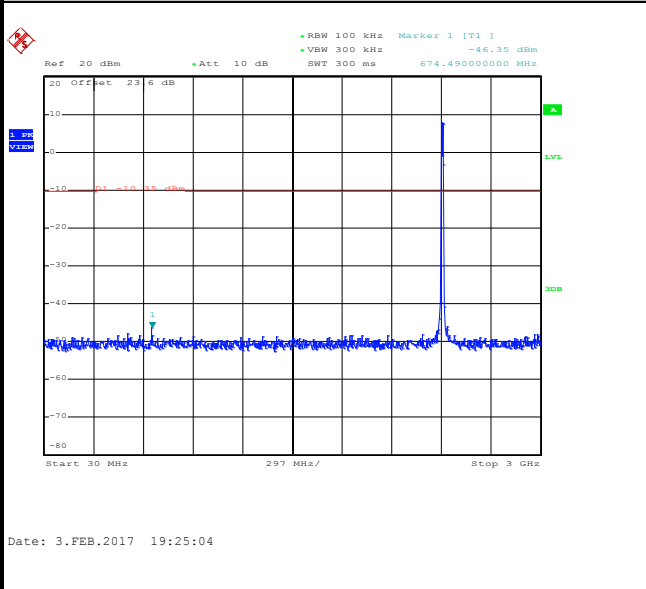
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Derek Hsu

#### WLAN 802.11b Channel 01

<b>100kHz PSD reference Level</b>	<b>Low Channel Plot</b>
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<b>Spurious Emission 30MHz~3GHz</b>	<b>Spurious Emission 2GHz~25GHz</b>
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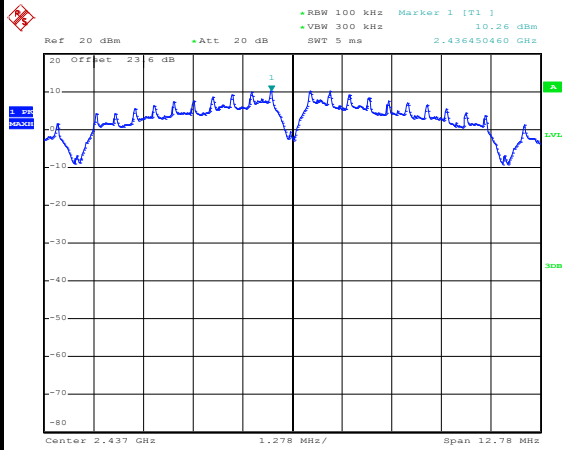




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Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Derek Hsu

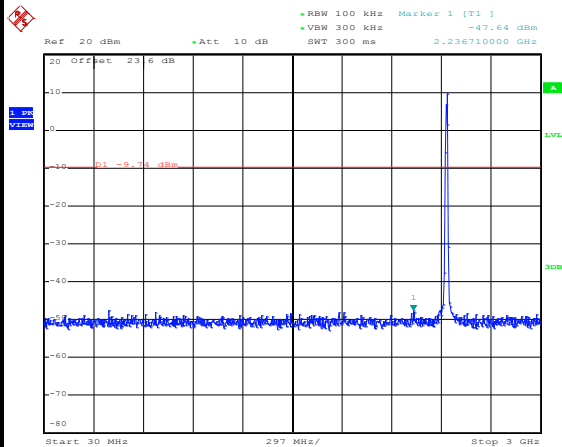
WLAN 802.11b Channel 06

100kHz PSD reference Level



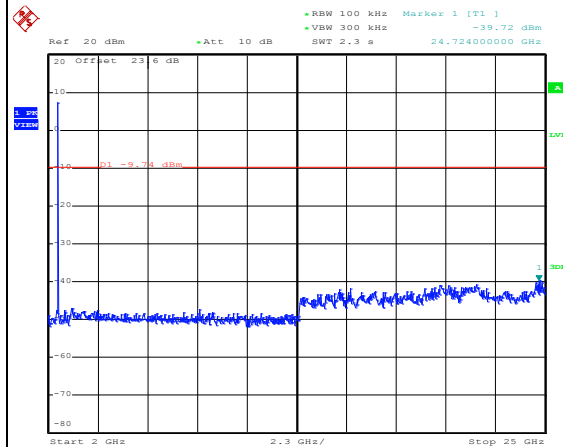
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Spurious Emission 30MHz~3GHz



Date: 3.FEB.2017 19:30:25

Spurious Emission 2GHz~25GHz



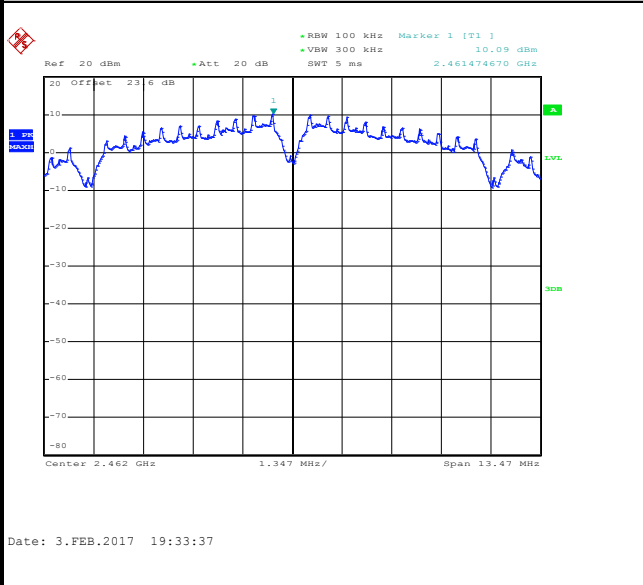
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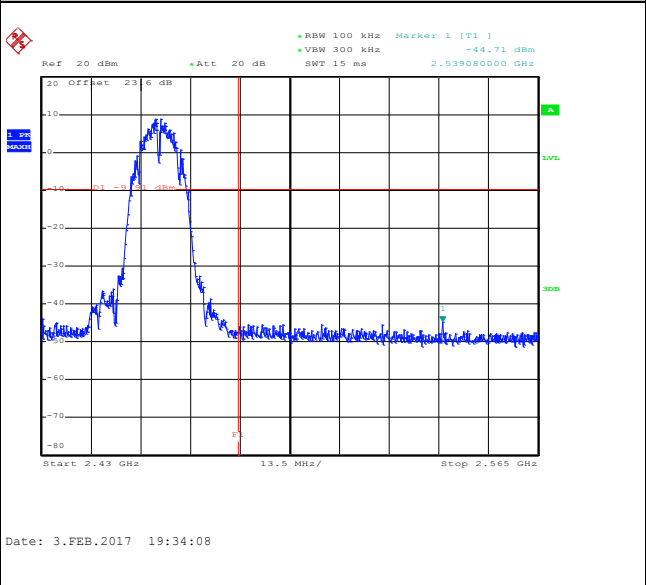
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Derek Hsu

WLAN 802.11b Channel 11

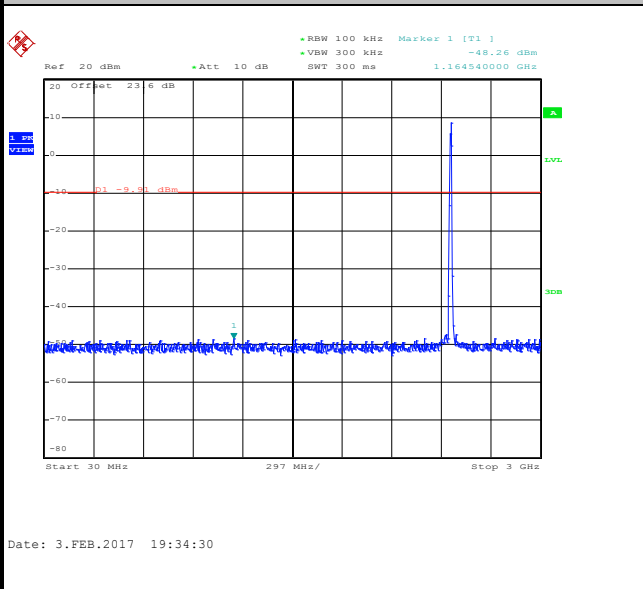
100kHz PSD reference Level



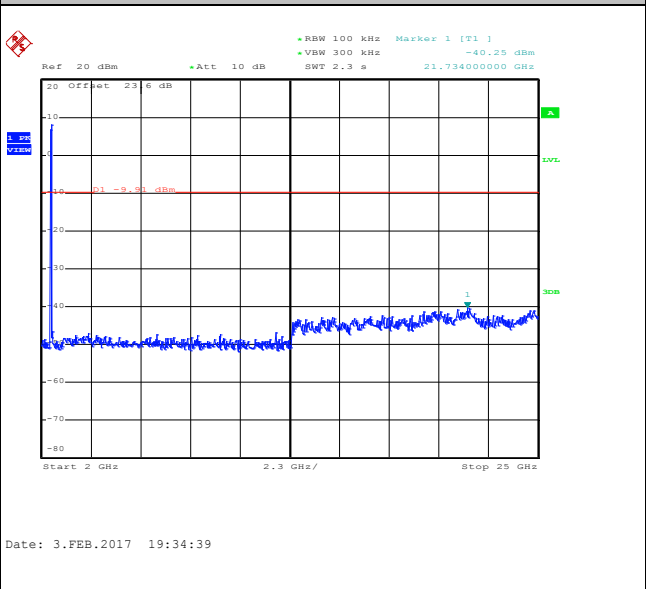
High Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

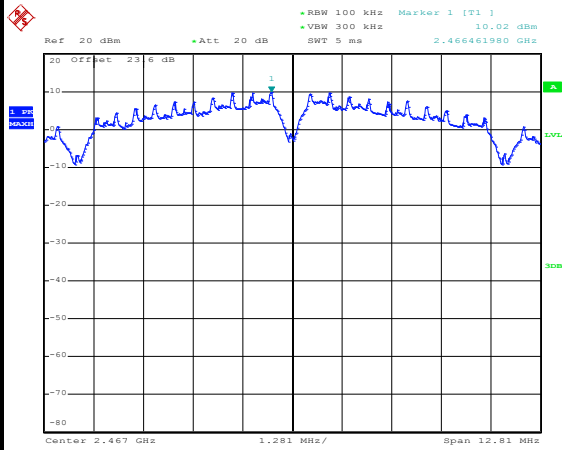




Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	12	Test Engineer :	Derek Hsu

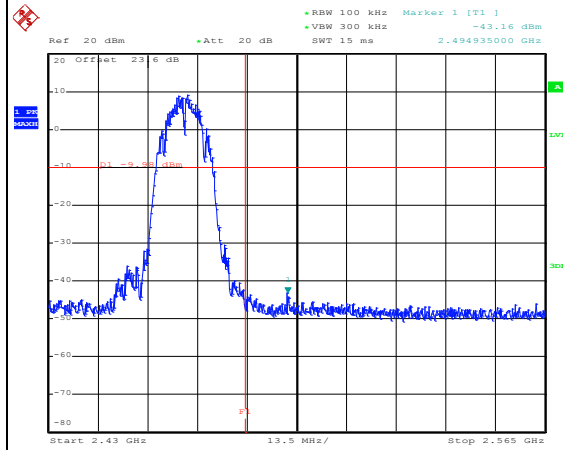
WLAN 802.11b Channel 12

100kHz PSD reference Level



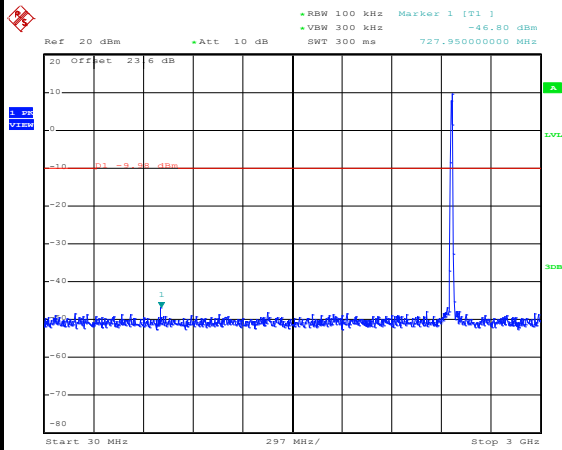
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High Channel Plot



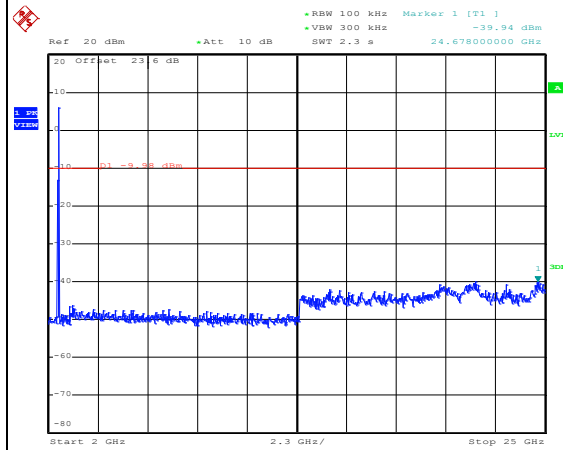
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Spurious Emission 30MHz~3GHz



Date: 3.FEB.2017 19:36:50

Spurious Emission 2GHz~25GHz



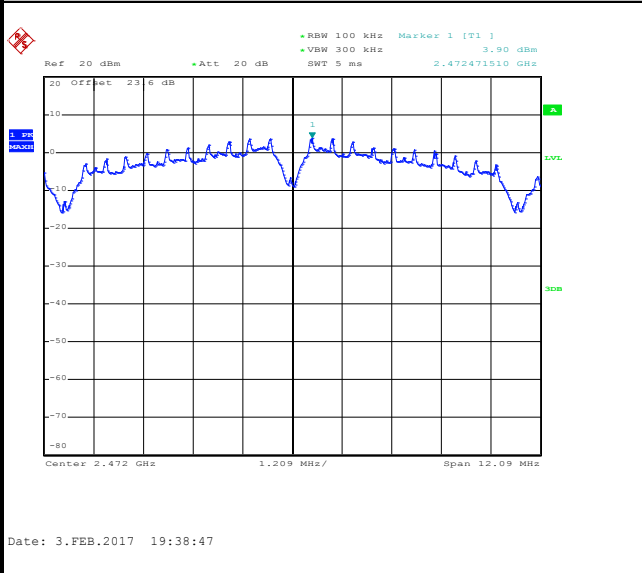
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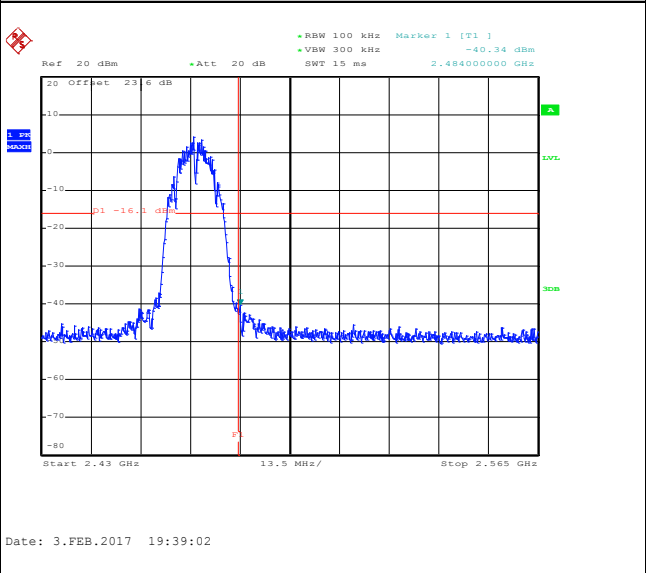
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	13	Test Engineer :	Derek Hsu

WLAN 802.11b Channel 13

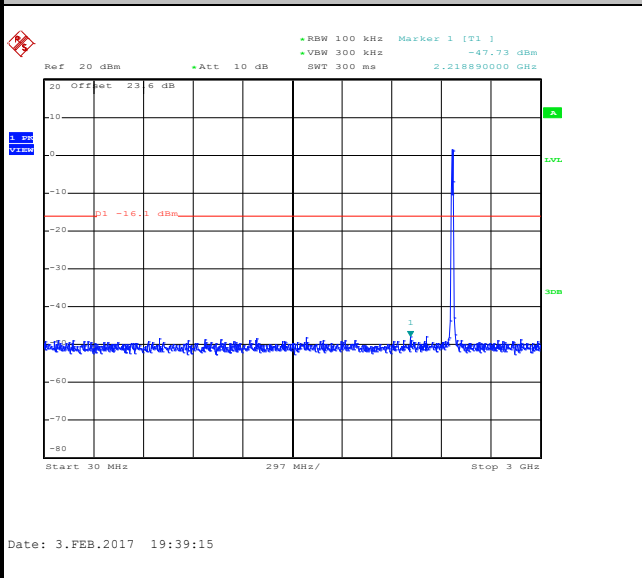
100kHz PSD reference Level



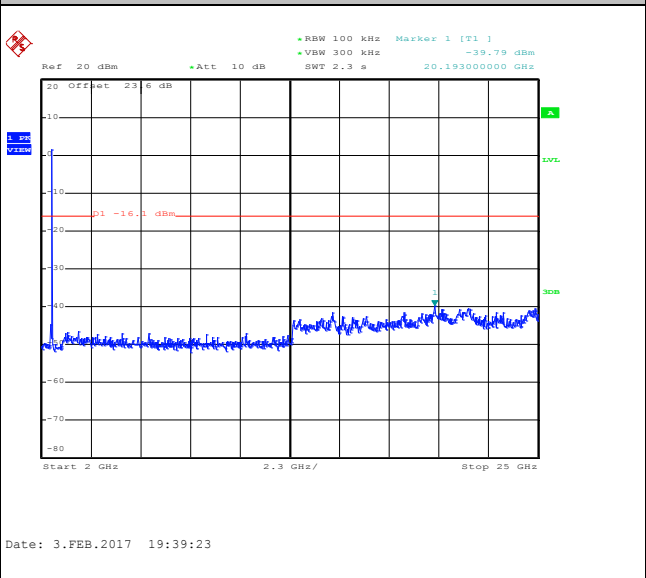
High Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

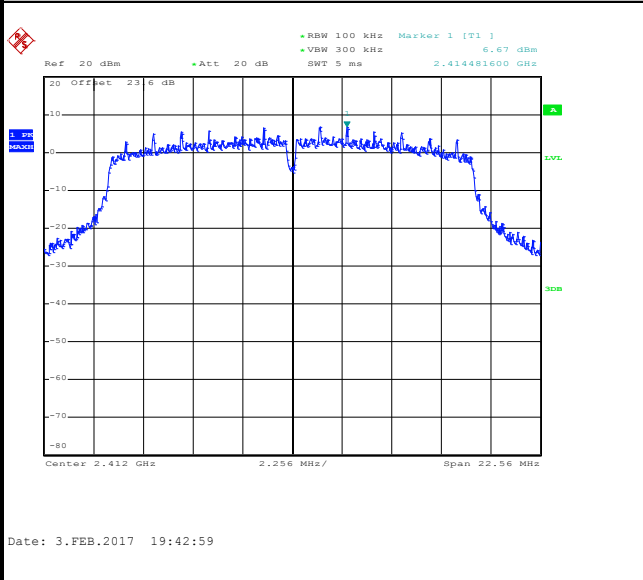




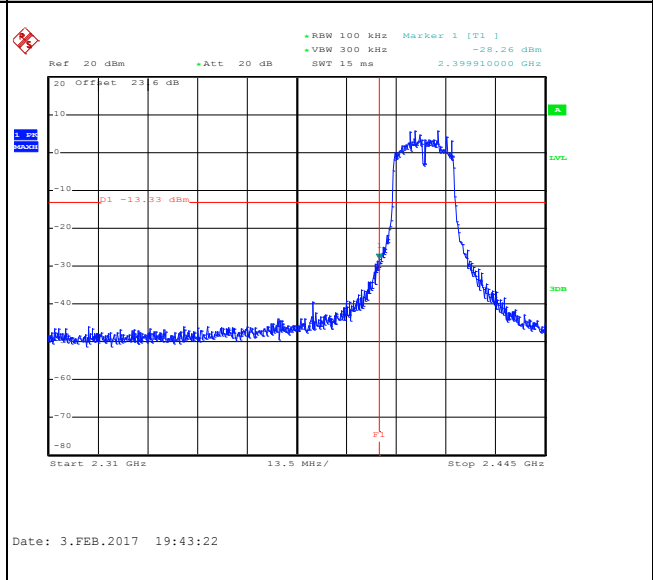
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Derek Hsu

WLAN 802.11g Channel 01

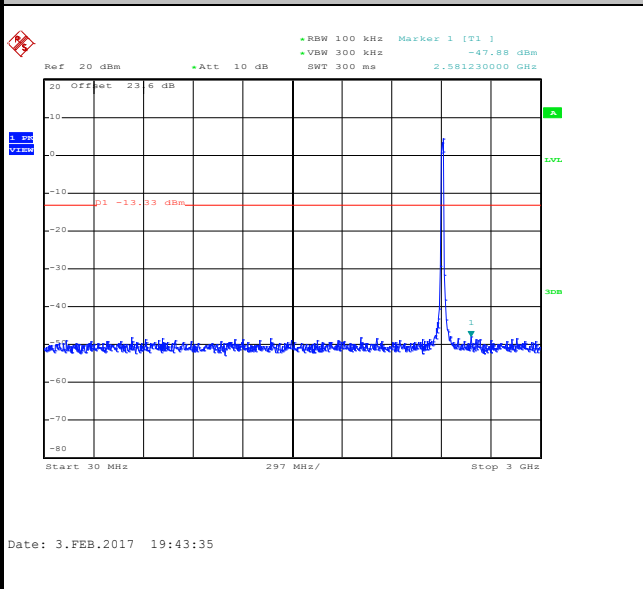
100kHz PSD reference Level



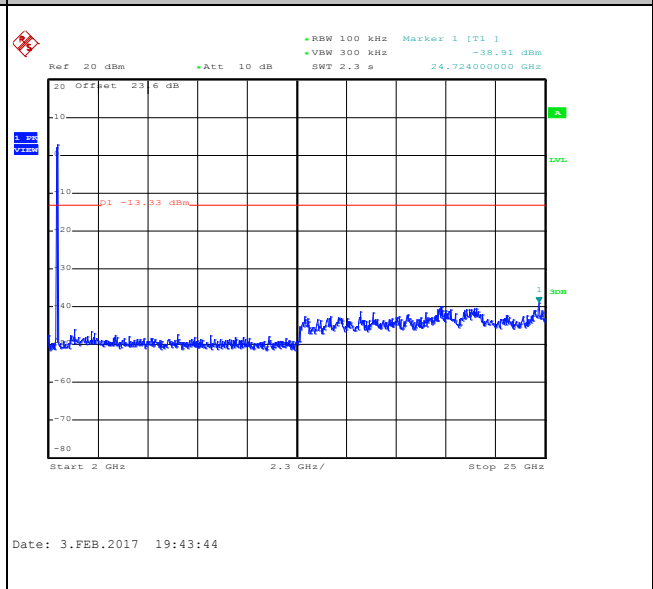
Low Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

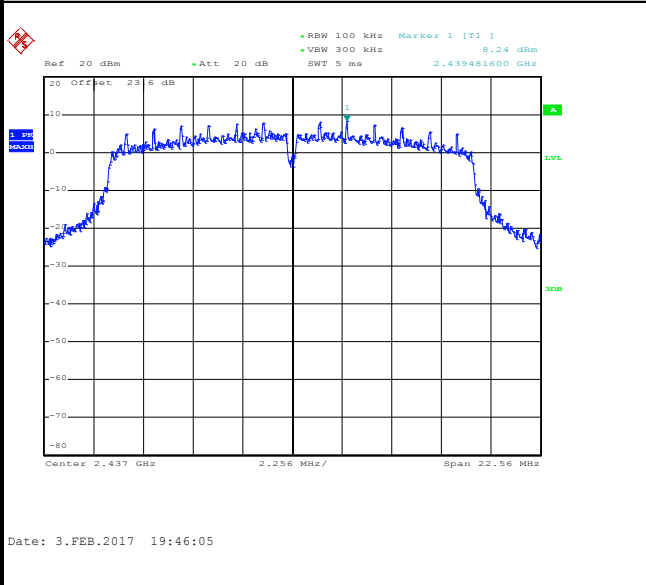




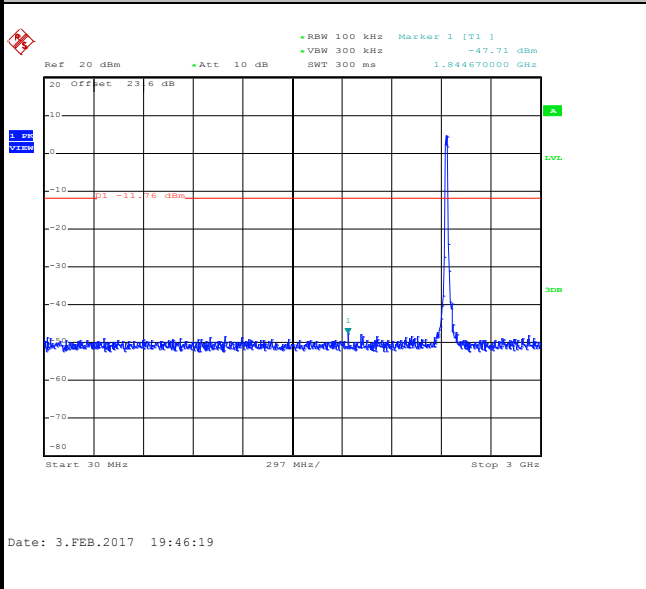
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Derek Hsu

WLAN 802.11g Channel 06

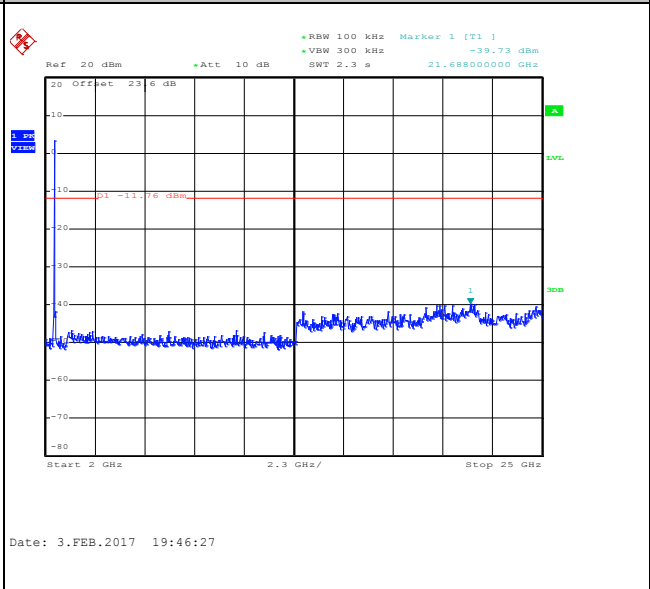
100kHz PSD reference Level



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz



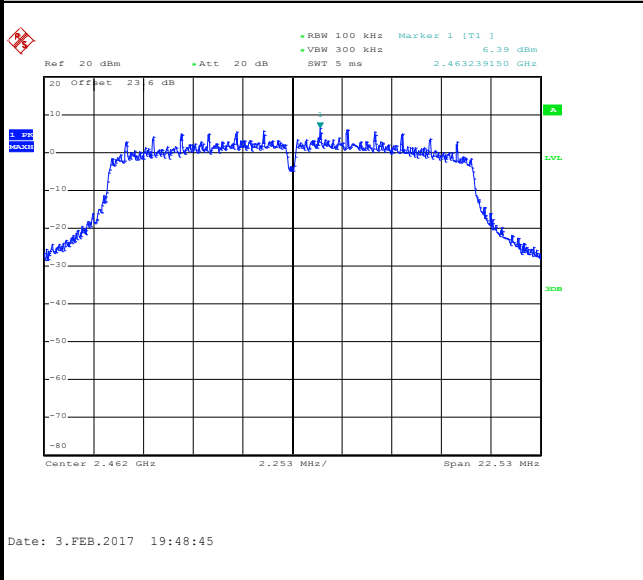




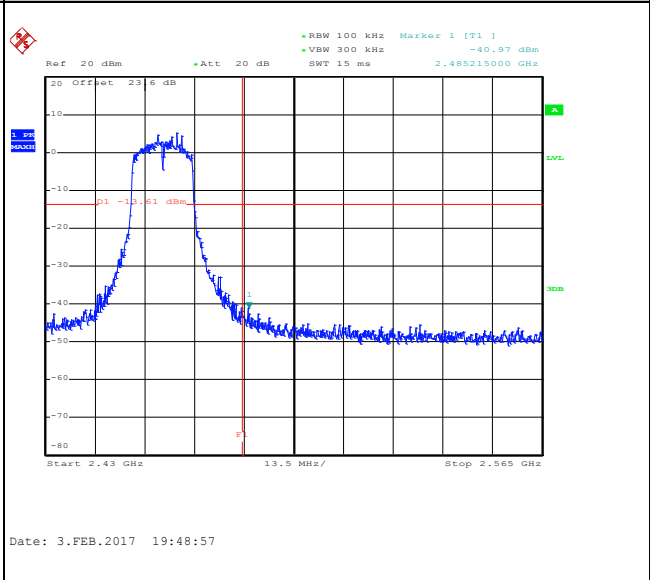
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Derek Hsu

WLAN 802.11g Channel 11

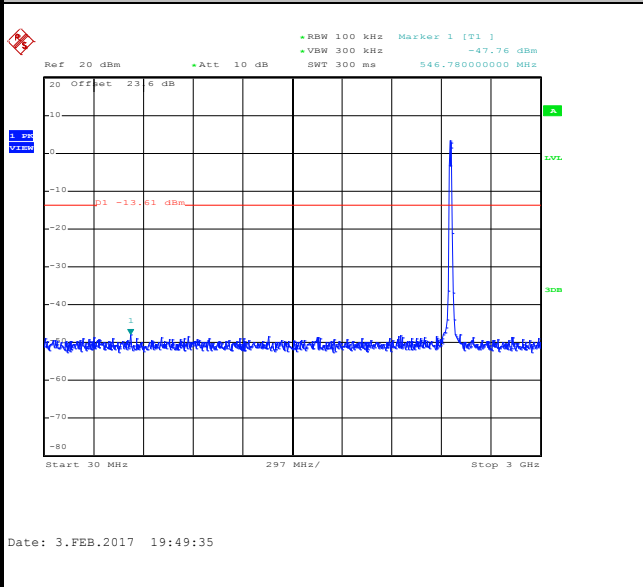
100kHz PSD reference Level



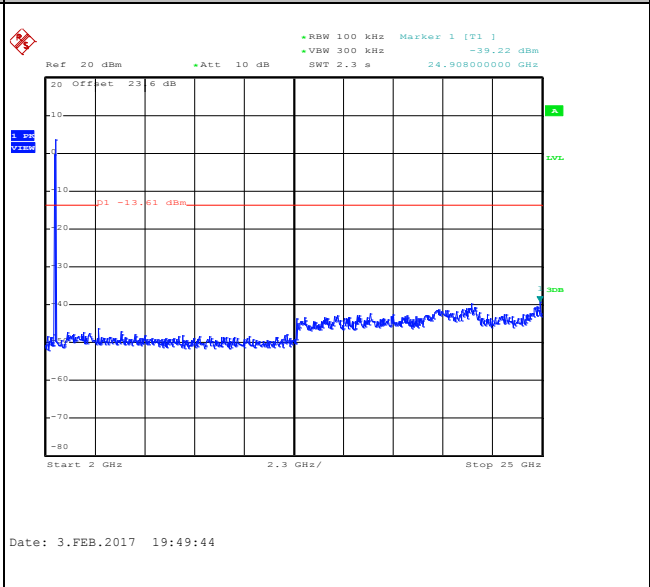
High Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

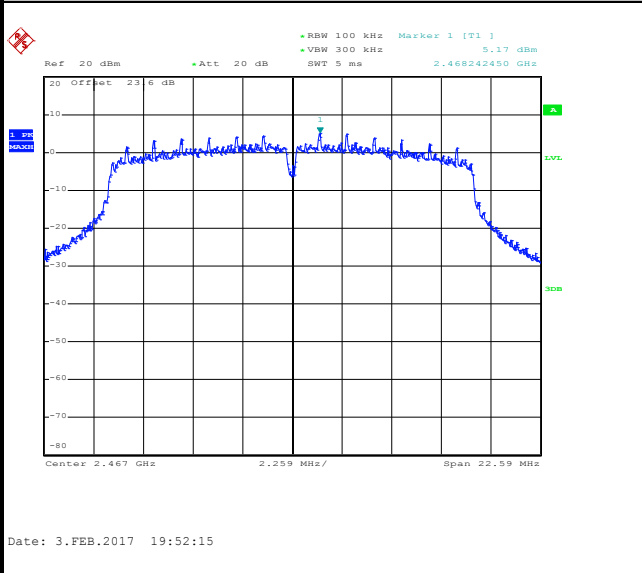




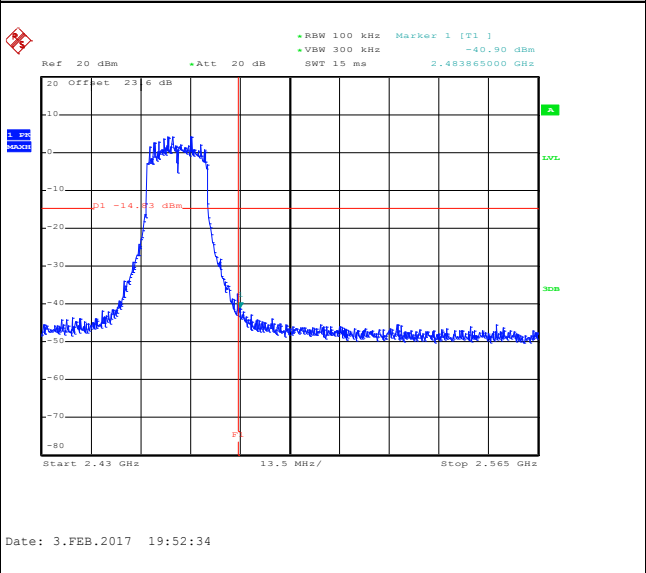
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	12	Test Engineer :	Derek Hsu

WLAN 802.11g Channel 12

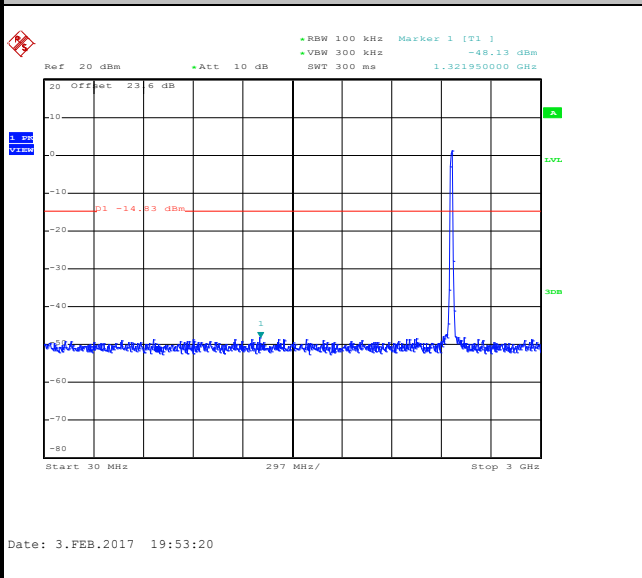
100kHz PSD reference Level



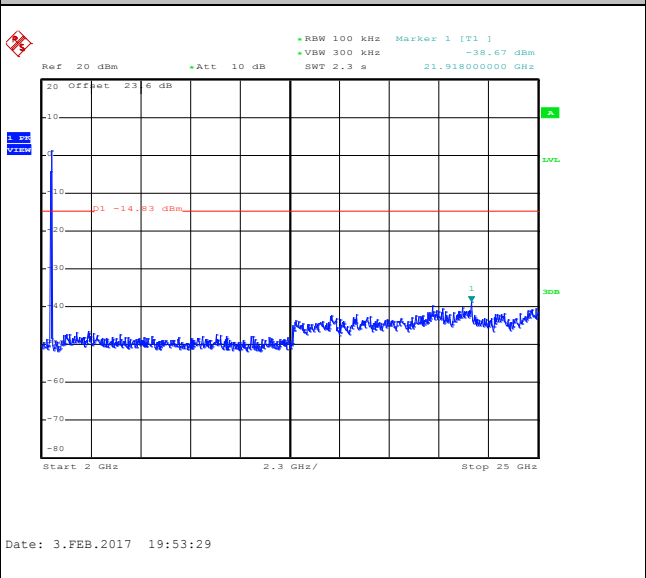
High Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

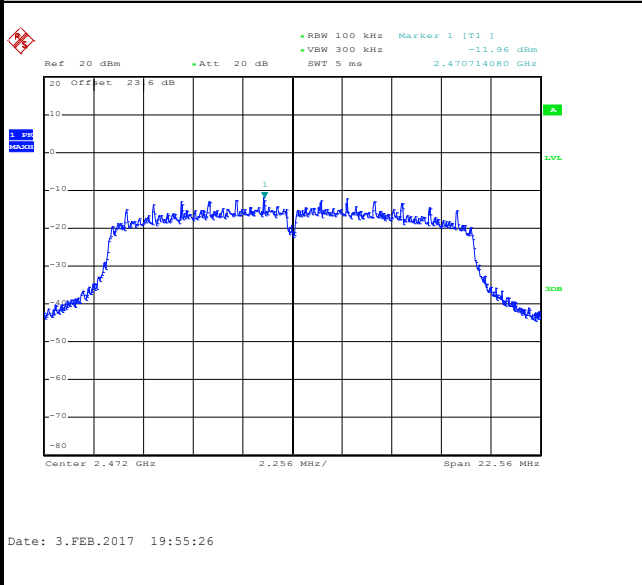




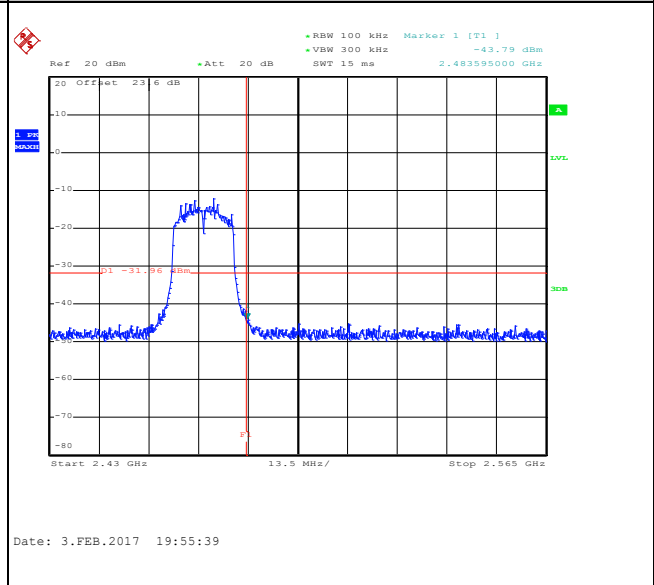
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	13	Test Engineer :	Derek Hsu

WLAN 802.11g Channel 13

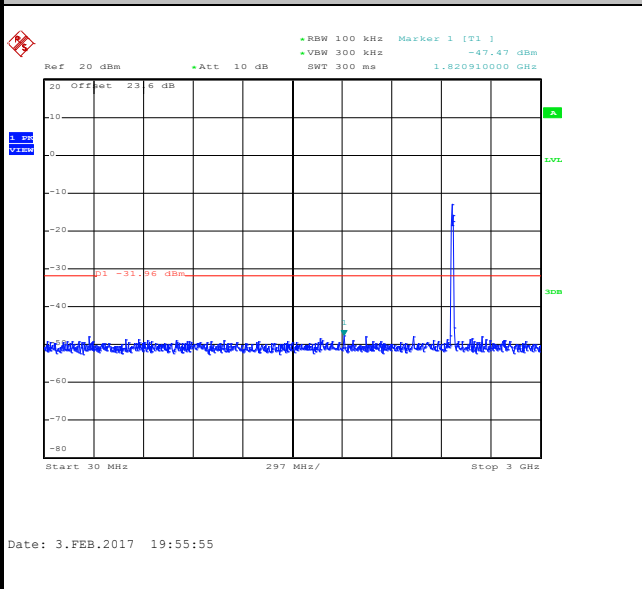
100kHz PSD reference Level



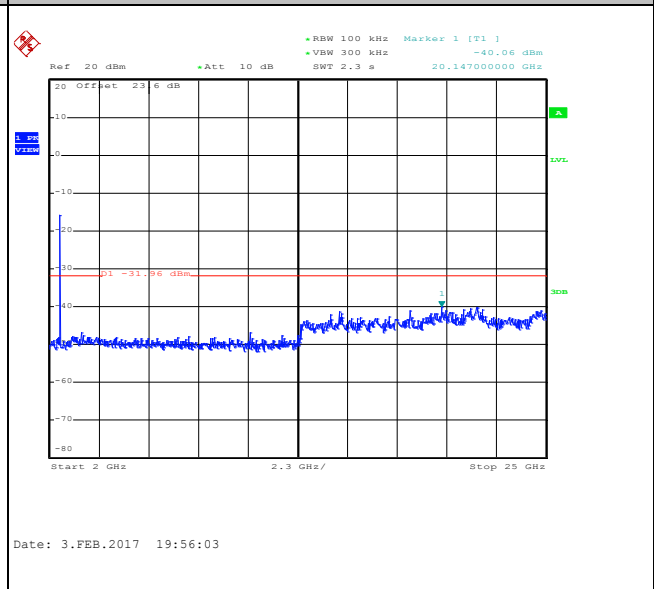
High Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

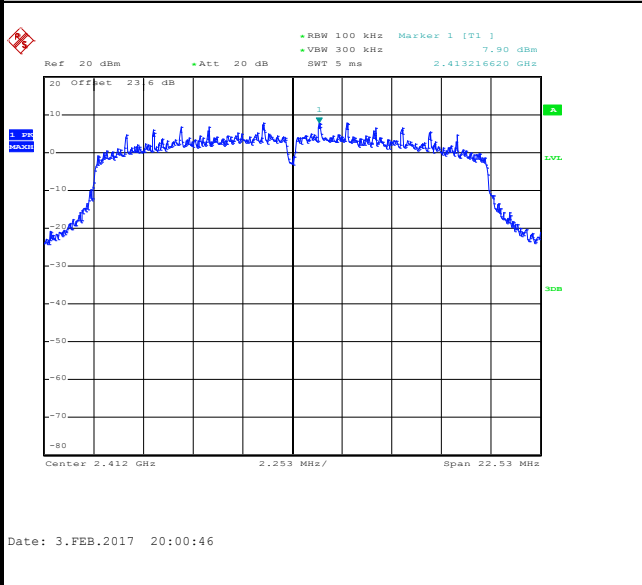




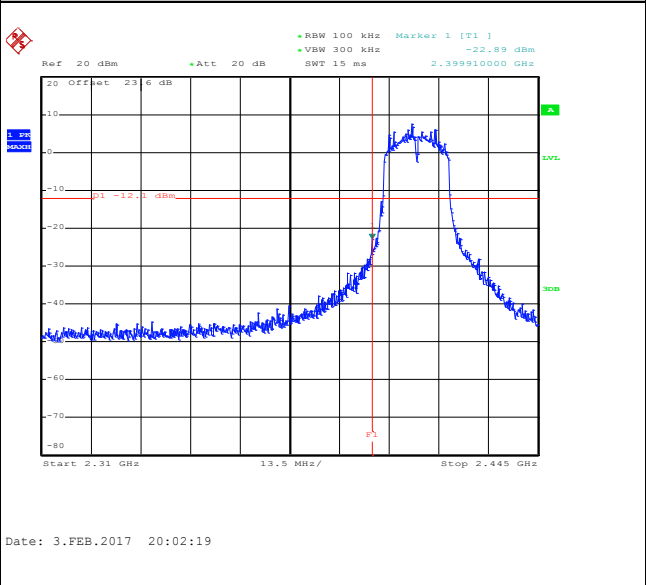
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Derek Hsu

WLAN 802.11n HT20 Channel 01

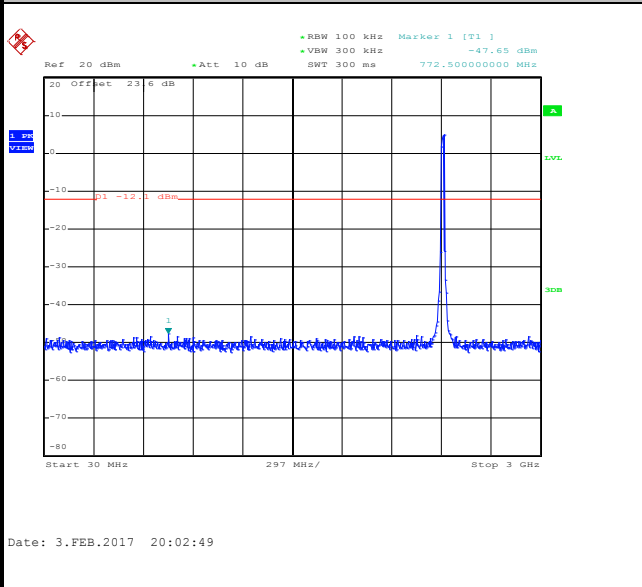
100kHz PSD reference Level



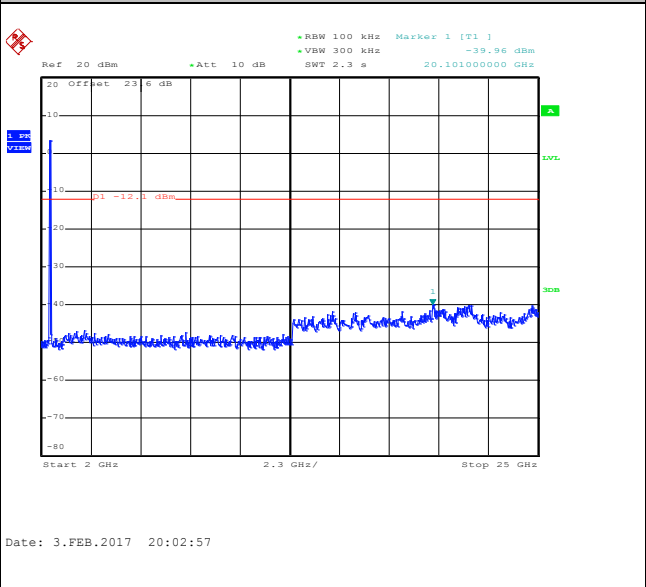
Low Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

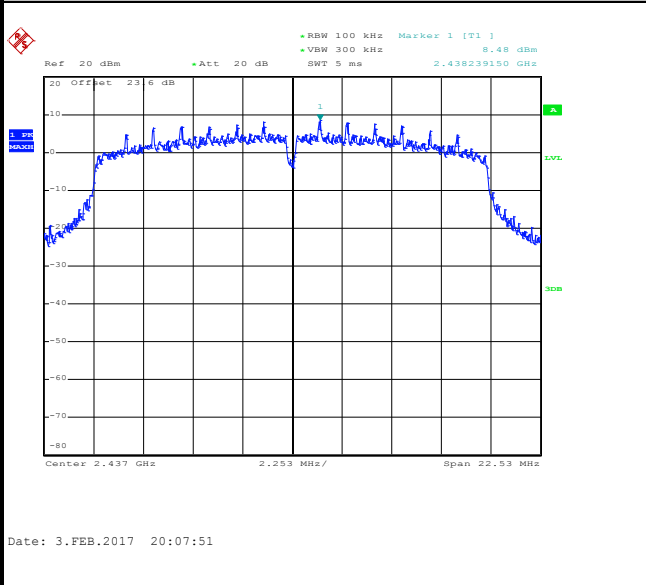




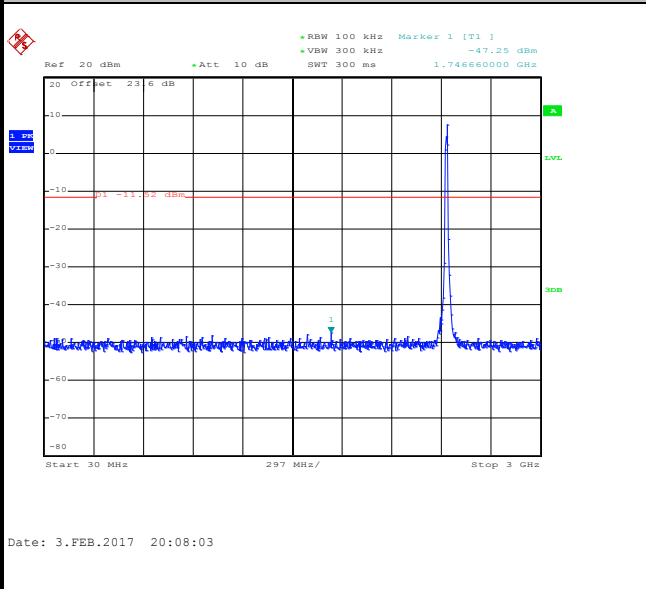
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Derek Hsu

WLAN 802.11n HT20 Channel 06

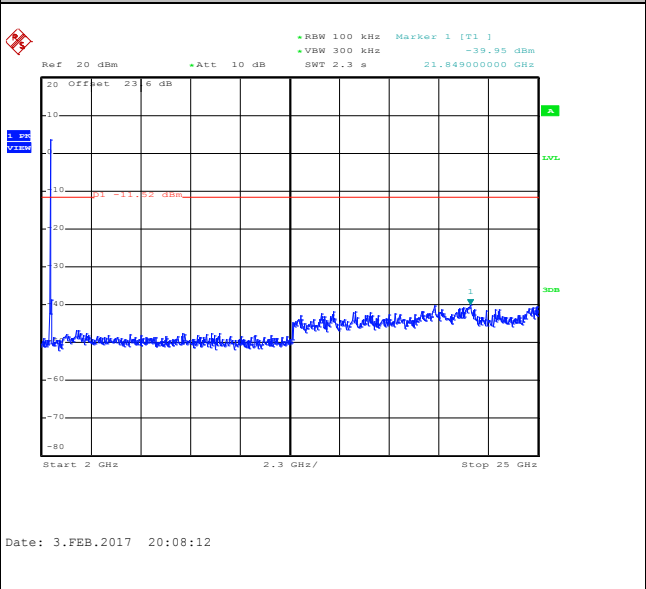
100kHz PSD reference Level



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

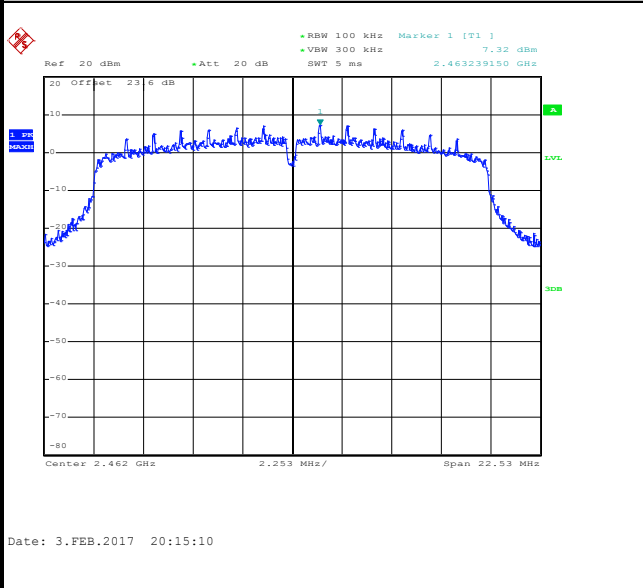




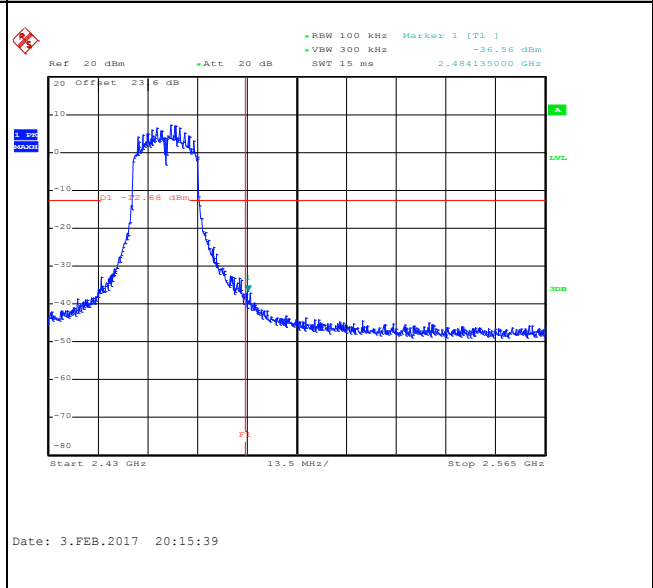
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Derek Hsu

WLAN 802.11n HT20 Channel 11

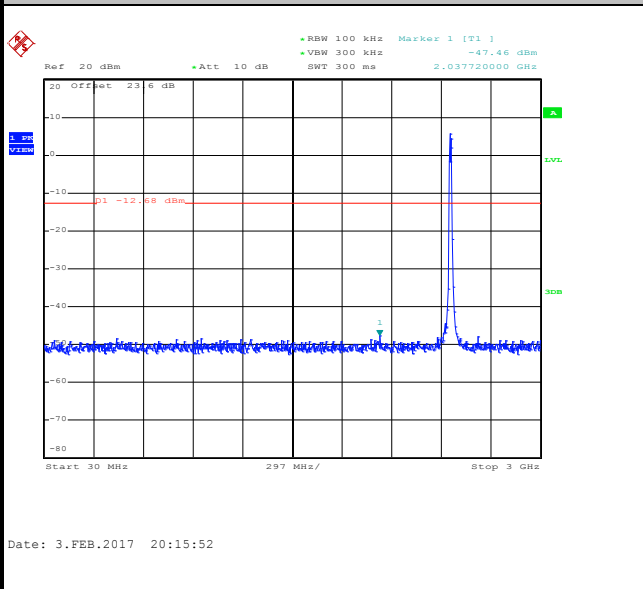
100kHz PSD reference Level



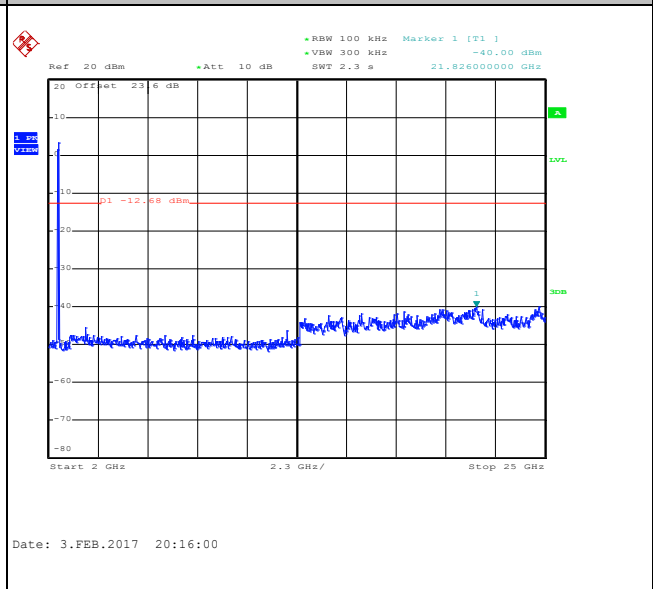
High Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

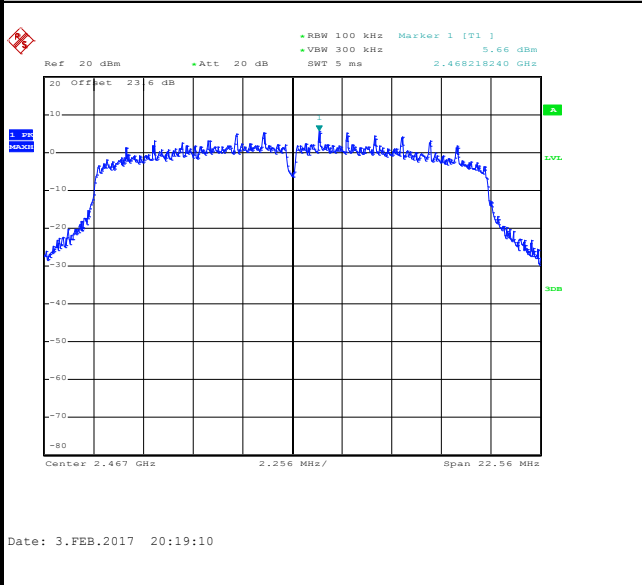




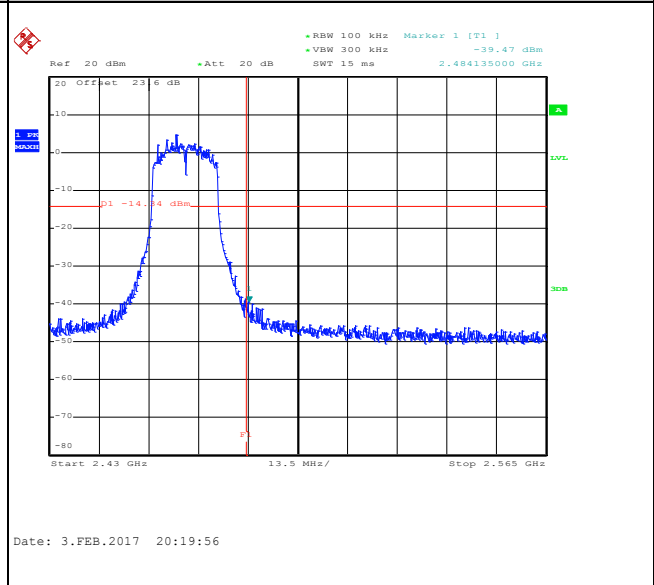
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	12	Test Engineer :	Derek Hsu

WLAN 802.11n HT20 Channel 12

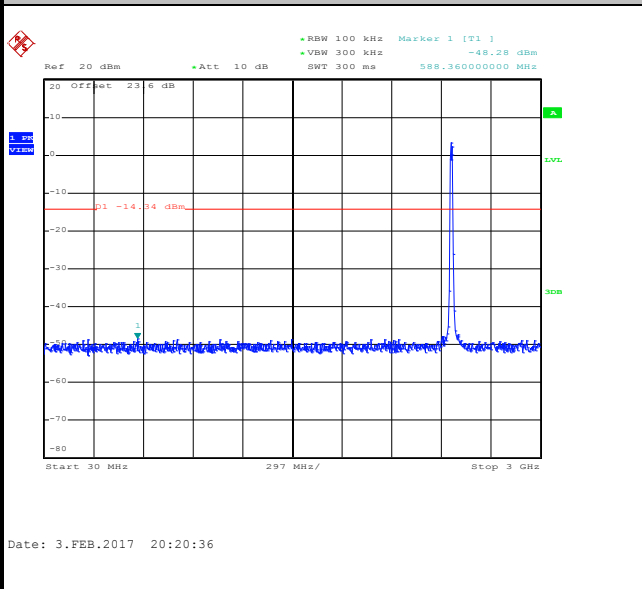
100kHz PSD reference Level



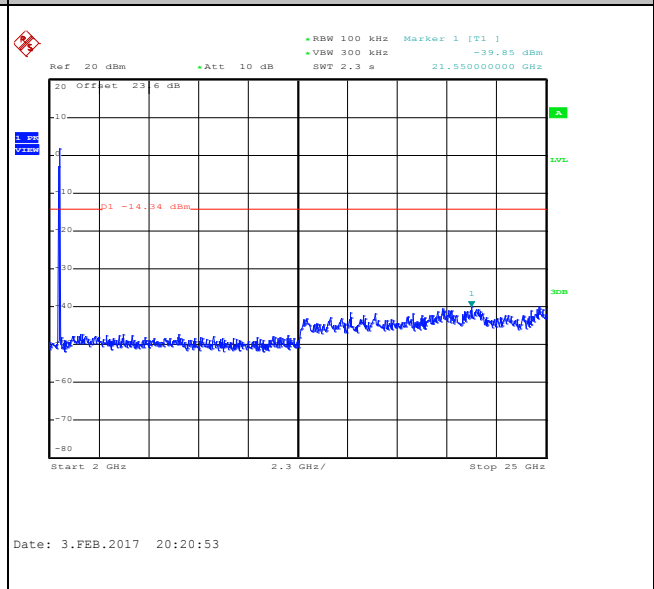
High Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz

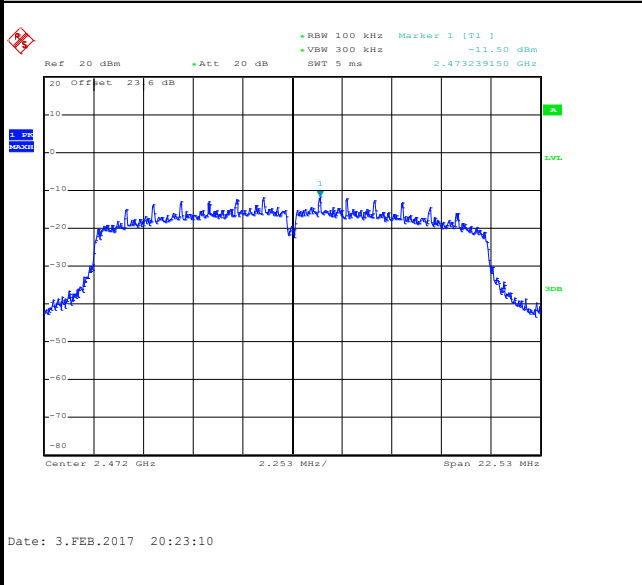




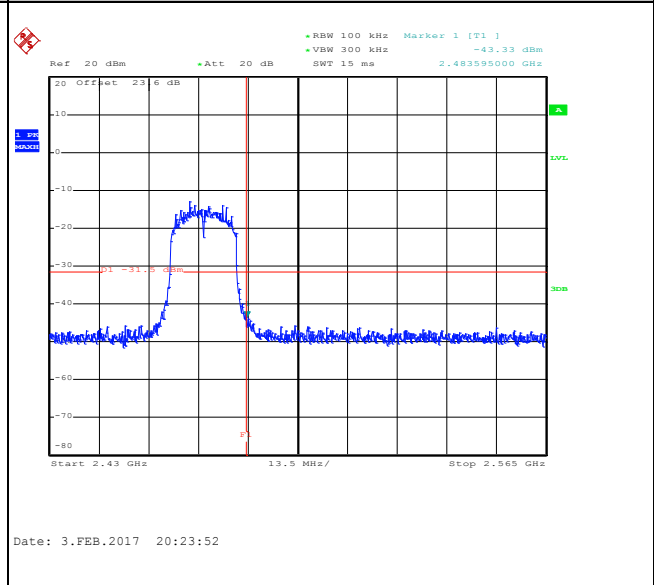
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	13	Test Engineer :	Derek Hsu

WLAN 802.11n HT20 Channel 13

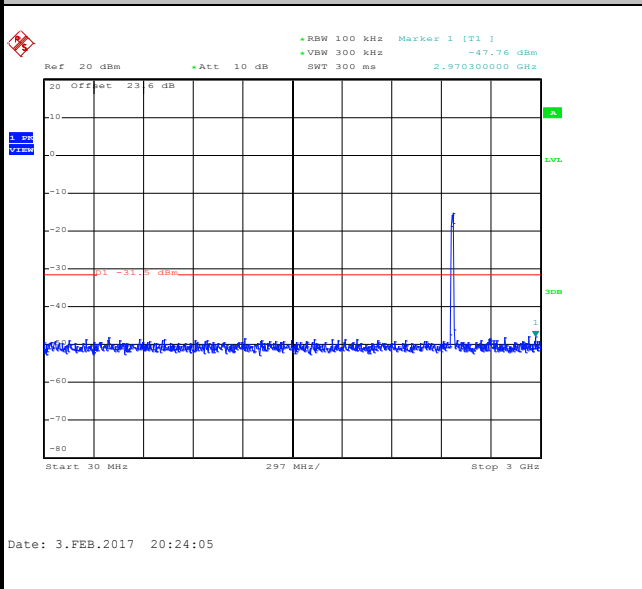
100kHz PSD reference Level



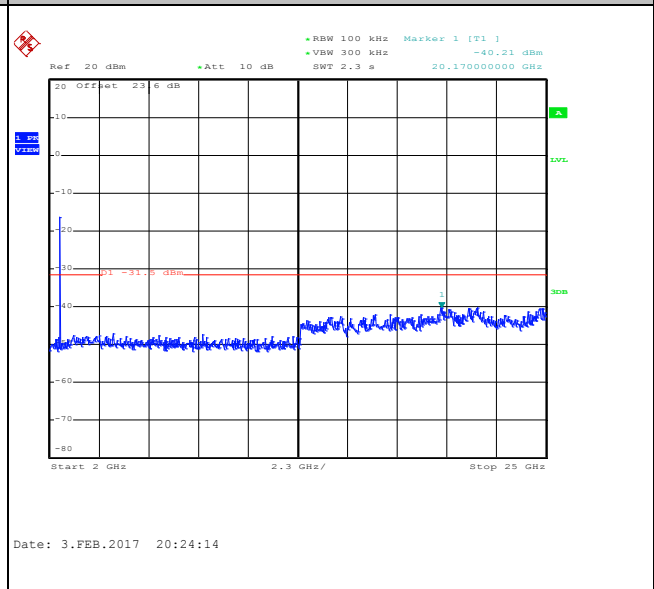
High Channel Plot



Spurious Emission 30MHz~3GHz



Spurious Emission 2GHz~25GHz







### 3.5 Radiated Band Edges and Spurious Emission Measurement

#### 3.5.1 Limit of Radiated band edge and Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. If the output power of this device was measured by spectrum analyzer, the attenuation under this paragraph shall be 30 dB instead of 20 dB. In addition, radiated emissions which fall in the restricted bands must also comply with the FCC section 15.209 limits as below.

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

#### 3.5.2 Measuring Instruments

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

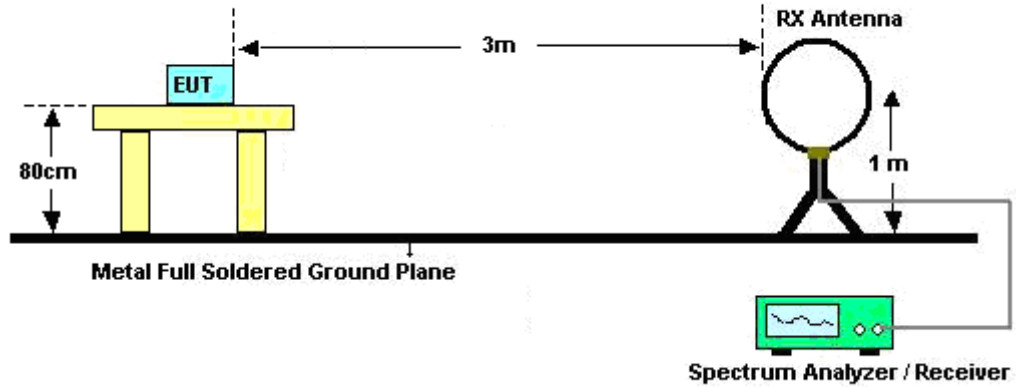


### 3.5.3 Test Procedures

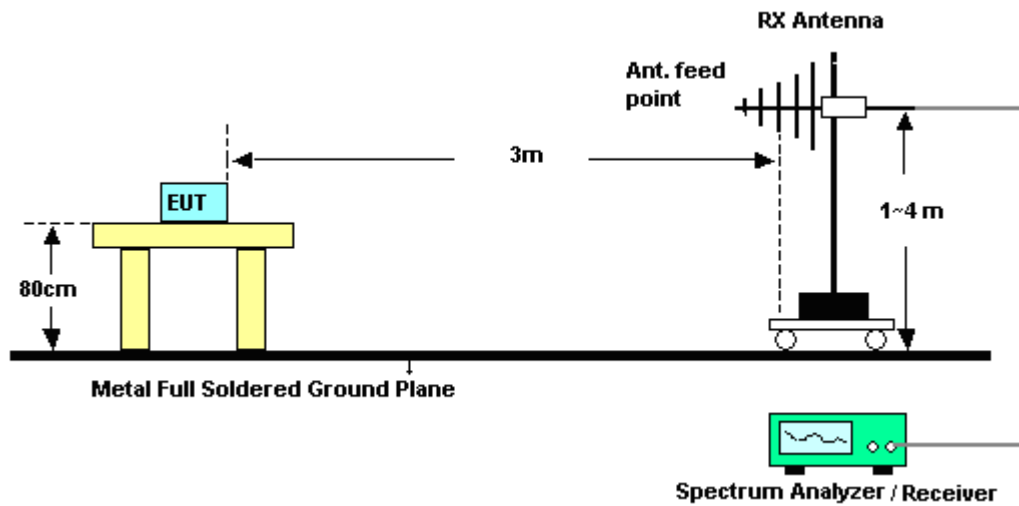
1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r05.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level.
3. 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.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
6. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
7. Use the following spectrum analyzer settings:
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Set RBW=100 kHz for  $f < 1$  GHz; VBW  $\geq$  RBW; Sweep = auto; Detector function = peak; Trace = max hold;
  - (3) Set RBW = 1 MHz, VBW= 3MHz for  $f \geq 1$  GHz for peak measurement.  
For average measurement:
    - 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.

### 3.5.4 Test Setup

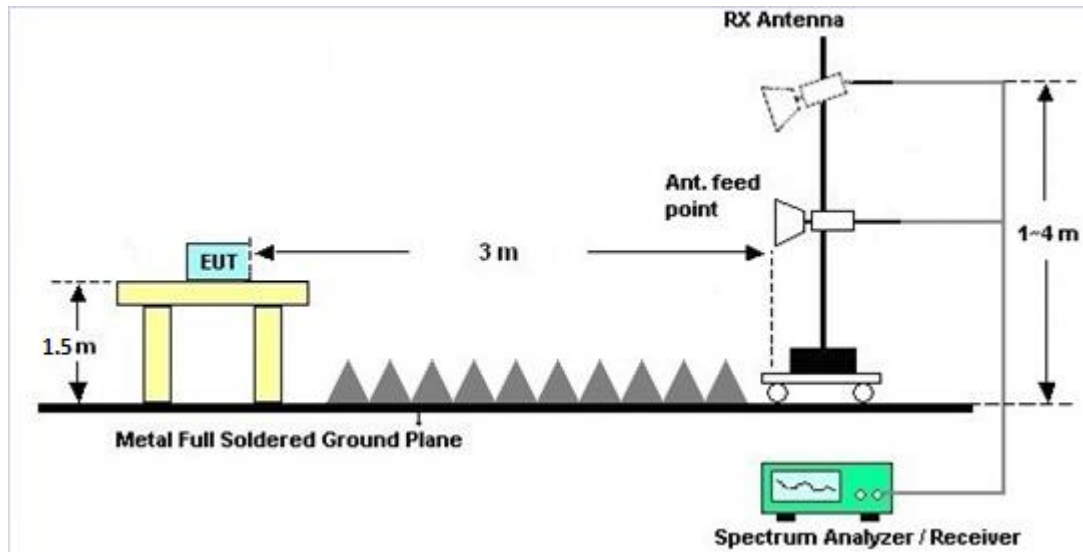
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



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

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.

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

Please refer to Appendix B and C.

### 3.5.7 Duty Cycle

Please refer to Appendix D.

### 3.5.8 Test Result of Radiated Spurious Emission (30MHz ~ 10<sup>th</sup> Harmonic)

Please refer to Appendix B and C.



### 3.6 AC Conducted Emission Measurement

#### 3.6.1 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.

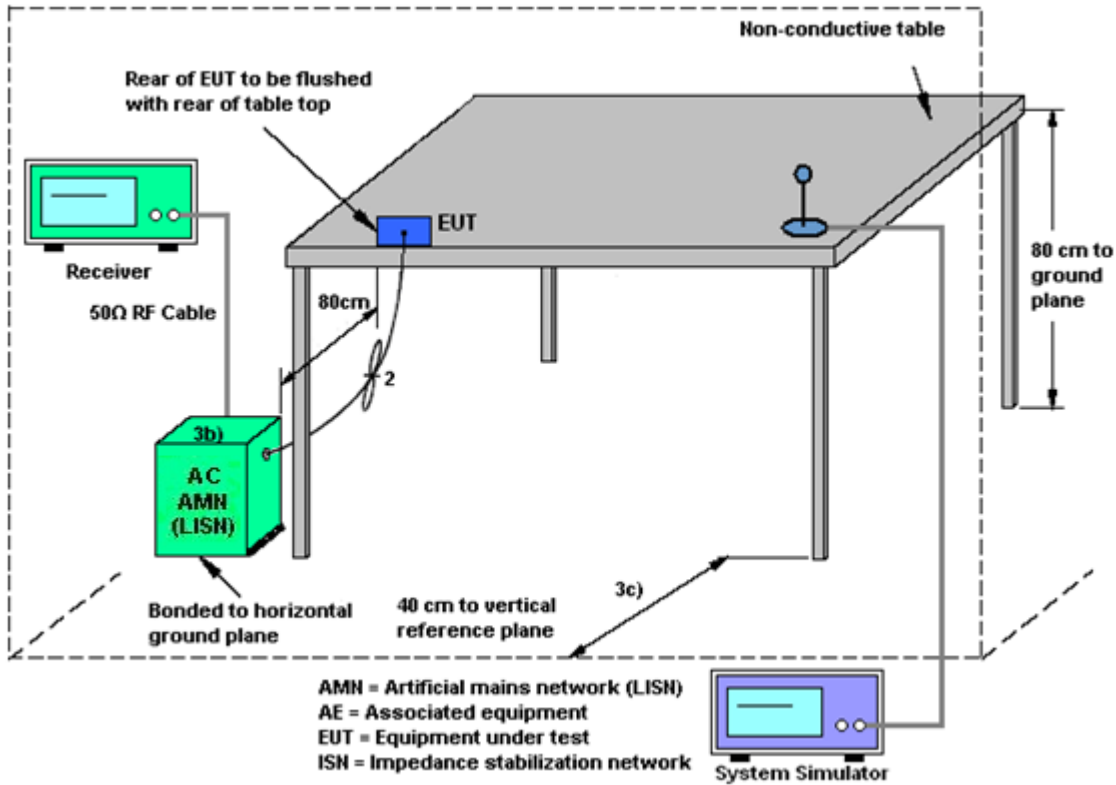
#### 3.6.2 Measuring Instruments

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

#### 3.6.3 Test Procedures

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it 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 (IF bandwidth = 9kHz) with Maximum Hold Mode.

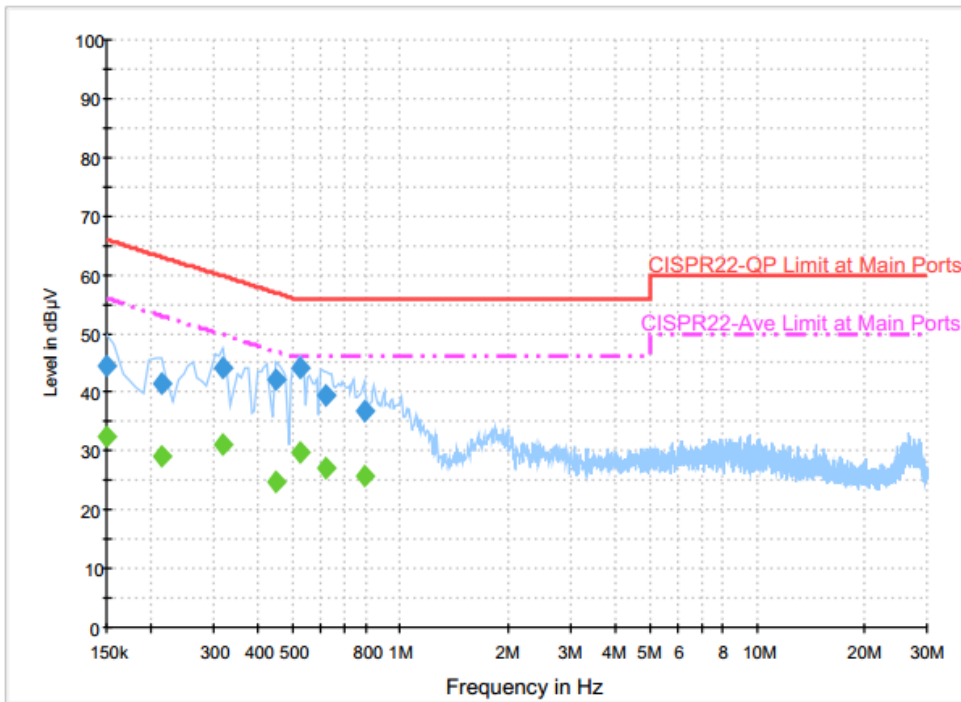
### 3.6.4 Test Setup





3.6.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	22~23°C
Test Engineer :	Kai-Chun Chu	Relative Humidity :	49~50%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WLAN Link + USB Cable (Charging from Adapter)		



Final Result : Quasi-Peak

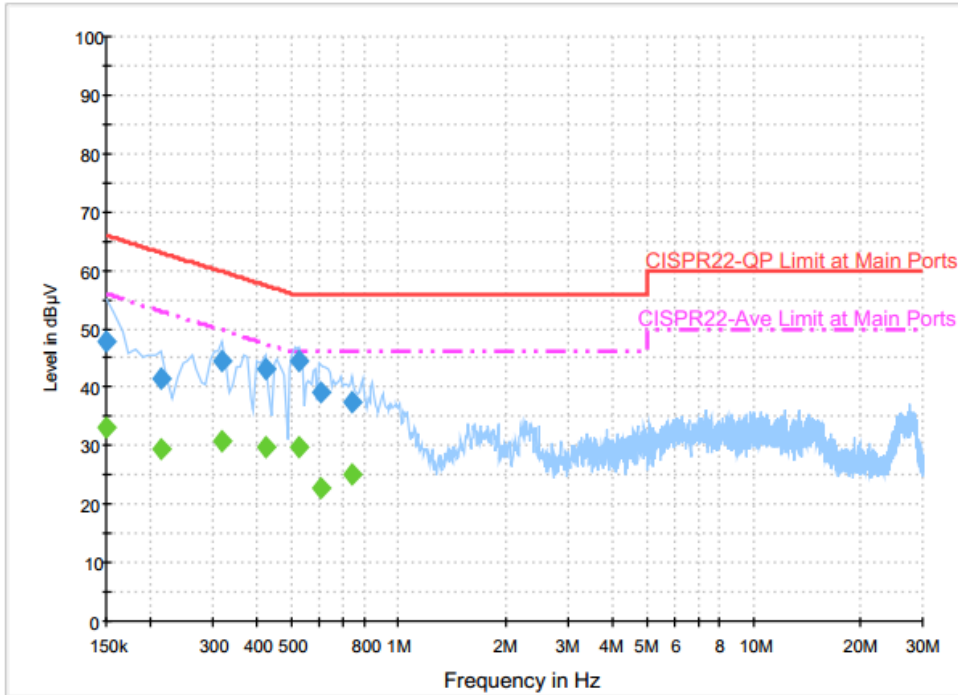
Frequency (MHz)	Quasi-Peak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	44.6	Off	L1	19.6	21.4	66.0
0.214000	41.3	Off	L1	19.6	21.7	63.0
0.318000	44.1	Off	L1	19.6	15.7	59.8
0.446000	42.3	Off	L1	19.6	14.6	56.9
0.526000	44.0	Off	L1	19.6	12.0	56.0
0.622000	39.5	Off	L1	19.6	16.5	56.0
0.790000	36.7	Off	L1	19.6	19.3	56.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	32.6	Off	L1	19.6	23.4	56.0
0.214000	29.1	Off	L1	19.6	23.9	53.0
0.318000	31.0	Off	L1	19.6	18.8	49.8
0.446000	24.9	Off	L1	19.6	22.0	46.9
0.526000	29.9	Off	L1	19.6	16.1	46.0
0.622000	27.1	Off	L1	19.6	18.9	46.0
0.790000	25.7	Off	L1	19.6	20.3	46.0



Test Mode :	Mode 1	Temperature :	22~23°C
Test Engineer :	Kai-Chun Chu	Relative Humidity :	49~50%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN Link + USB Cable (Charging from Adapter)		



**Final Result : Quasi-Peak**

Frequency (MHz)	Quasi-Peak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	48.0	Off	N	19.6	18.0	66.0
0.214000	41.6	Off	N	19.6	21.4	63.0
0.318000	44.6	Off	N	19.6	15.2	59.8
0.422000	43.1	Off	N	19.6	14.3	57.4
0.526000	44.3	Off	N	19.6	11.7	56.0
0.606000	39.3	Off	N	19.6	16.7	56.0
0.742000	37.4	Off	N	19.6	18.6	56.0

**Final Result : Average**

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	33.0	Off	N	19.6	23.0	56.0
0.214000	29.5	Off	N	19.6	23.5	53.0
0.318000	30.9	Off	N	19.6	18.9	49.8
0.422000	29.7	Off	N	19.6	17.7	47.4
0.526000	29.9	Off	N	19.6	16.1	46.0
0.606000	22.8	Off	N	19.6	23.2	46.0
0.742000	24.9	Off	N	19.6	21.1	46.0





## **3.7 Antenna Requirements**

### **3.7.1 Standard Applicable**

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. For the fixed point-to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

### **3.7.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.

### **3.7.3 Antenna Gain**

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



## 4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	300MHz~40GHz	Sep. 29, 2016	Jan. 18, 2017 ~ Feb. 03, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Jan. 18, 2017 ~ Feb. 03, 2017	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jul. 17, 2016	Jan. 18, 2017 ~ Feb. 03, 2017	Jul. 16, 2017	Conducted (TH05-HY)
Amplifier	SONOMA	310N	187311	9kHz~1GHz	Oct. 26, 2016	Jan. 23, 2017 ~ Jan. 26, 2017	Oct. 25, 2017	Radiation (03CH10-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800 N1D01N-06	35413&02	30MHz~1GHz	Jan. 07, 2017	Jan. 23, 2017 ~ Jan. 26, 2017	Jan. 06, 2018	Radiation (03CH10-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-132 5	1GHz ~ 18GHz	Sep. 30, 2016	Jan. 23, 2017 ~ Jan. 26, 2017	Sep. 29, 2017	Radiation (03CH10-HY)
Preamplifier	Keysight	83017A	MY532700 78	1GHz~26.5GHz	Oct. 26, 2016	Jan. 23, 2017 ~ Jan. 26, 2017	Oct. 25, 2017	Radiation (03CH10-HY)
Preamplifier	MITEQ	TTA0204	1872107	2GHz~40GHz	Feb. 15, 2016	Jan. 23, 2017 ~ Jan. 26, 2017	Feb. 14, 2017	Radiation (03CH10-HY)
Spectrum Analyzer	Keysight	N9010A	MY542004 85	10Hz ~ 44GHz	Oct. 17, 2016	Jan. 23, 2017 ~ Jan. 26, 2017	Oct. 16, 2017	Radiation (03CH10-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Jan. 23, 2017 ~ Jan. 26, 2017	N/A	Radiation (03CH10-HY)
Turn Table	EMEC	TT 2200	N/A	0~360 Degree	N/A	Jan. 23, 2017 ~ Jan. 26, 2017	N/A	Radiation (03CH10-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Oct. 20, 2016	Jan. 23, 2017 ~ Jan. 26, 2017	Oct. 19, 2018	Radiation (03CH10-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170 576	18GHz ~ 40GHz	Apr. 15, 2016	Jan. 23, 2017 ~ Jan. 26, 2017	Apr. 14, 2017	Radiation (03CH10-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 26, 2017	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Jan. 26, 2017	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 29, 2016	Jan. 26, 2017	Nov. 28, 2017	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
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### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.6
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### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 18000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.9
---	-----

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

Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ )	5.2
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## **Appendix A. Conducted Test Results**

**A1 - DTS Part**

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2017/01/18~2017/02/03	Relative Humidity:	51~54	%

**TEST RESULTS DATA**  
**6dB and 99% Occupied Bandwidth**

2.4GHz Band								
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
11b	1Mbps	1	1	2412	14.25	9.02	0.50	Pass
11b	1Mbps	1	6	2437	14.20	8.52	0.50	Pass
11b	1Mbps	1	11	2462	14.20	8.98	0.50	Pass
11b	1Mbps	1	12	2467	14.20	8.54	0.50	Pass
11b	1Mbps	1	13	2472	14.10	8.06	0.50	Pass
11g	6Mbps	1	1	2412	17.20	15.04	0.50	Pass
11g	6Mbps	1	6	2437	17.20	15.04	0.50	Pass
11g	6Mbps	1	11	2462	17.25	15.02	0.50	Pass
11g	6Mbps	1	12	2467	17.15	15.06	0.50	Pass
11g	6Mbps	1	13	2472	17.30	15.04	0.50	Pass
HT20	MCS0	1	1	2412	18.30	15.02	0.50	Pass
HT20	MCS0	1	6	2437	18.60	15.02	0.50	Pass
HT20	MCS0	1	11	2462	18.25	15.02	0.50	Pass
HT20	MCS0	1	12	2467	18.20	15.04	0.50	Pass
HT20	MCS0	1	13	2472	18.30	15.02	0.50	Pass

**TEST RESULTS DATA**  
**Peak Power Table**

2.4GHz Band										
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	Peak Conducted Power (dBm)	Conducted Power Limit (dBm)	DG (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	Pass /Fail
11b	1Mbps	1	1	2412	20.01	30.00	1.70	21.71	36.00	Pass
11b	1Mbps	1	6	2437	20.55	30.00	1.70	22.25	36.00	Pass
11b	1Mbps	1	11	2462	20.51	30.00	1.70	22.21	36.00	Pass
11b	1Mbps	1	12	2467	20.68	30.00	1.70	22.38	36.00	Pass
11b	1Mbps	1	13	2472	14.47	30.00	1.70	16.17	36.00	Pass
11g	6Mbps	1	1	2412	25.95	30.00	1.70	27.65	36.00	Pass
11g	6Mbps	1	6	2437	26.16	30.00	1.70	27.86	36.00	Pass
11g	6Mbps	1	11	2462	25.90	30.00	1.70	27.60	36.00	Pass
11g	6Mbps	1	12	2467	25.63	30.00	1.70	27.33	36.00	Pass
11g	6Mbps	1	13	2472	10.85	30.00	1.70	12.55	36.00	Pass
HT20	MCS0	1	1	2412	26.14	30.00	1.70	27.84	36.00	Pass
HT20	MCS0	1	6	2437	26.25	30.00	1.70	27.95	36.00	Pass
HT20	MCS0	1	11	2462	26.10	30.00	1.70	27.80	36.00	Pass
HT20	MCS0	1	12	2467	25.69	30.00	1.70	27.39	36.00	Pass
HT20	MCS0	1	13	2472	10.65	30.00	1.70	12.35	36.00	Pass

**TEST RESULTS DATA**  
**Average Power Table**  
***(Reporting Only)***

2.4GHz Band						
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)
11b	1Mbps	1	1	2412	0.06	17.64
11b	1Mbps	1	6	2437	0.06	17.97
11b	1Mbps	1	11	2462	0.06	17.96
11b	1Mbps	1	12	2467	0.06	17.99
11b	1Mbps	1	13	2472	0.06	12.08
11g	6Mbps	1	1	2412	0.36	17.11
11g	6Mbps	1	6	2437	0.36	17.96
11g	6Mbps	1	11	2462	0.36	16.81
11g	6Mbps	1	12	2467	0.36	15.47
11g	6Mbps	1	13	2472	0.36	-1.05
HT20	MCS0	1	1	2412	0.38	17.84
HT20	MCS0	1	6	2437	0.38	17.99
HT20	MCS0	1	11	2462	0.38	17.42
HT20	MCS0	1	12	2467	0.38	15.78
HT20	MCS0	1	13	2472	0.38	-1.04



**TEST RESULTS DATA**  
**Peak Power Density**

2.4GHz Band								
Mod.	Data Rate	N <sub>TX</sub>	CH.	Freq. (MHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
11b	1Mbps	1	1	2412	-4.05	1.70	8.00	Pass
11b	1Mbps	1	6	2437	-4.50	1.70	8.00	Pass
11b	1Mbps	1	11	2462	-4.24	1.70	8.00	Pass
11b	1Mbps	1	12	2467	-4.56	1.70	8.00	Pass
11b	1Mbps	1	13	2472	-10.64	1.70	8.00	Pass
11g	6Mbps	1	1	2412	-7.45	1.70	8.00	Pass
11g	6Mbps	1	6	2437	-5.36	1.70	8.00	Pass
11g	6Mbps	1	11	2462	-7.91	1.70	8.00	Pass
11g	6Mbps	1	12	2467	-9.64	1.70	8.00	Pass
11g	6Mbps	1	13	2472	-26.23	1.70	8.00	Pass
HT20	MCS0	1	1	2412	-6.21	1.70	8.00	Pass
HT20	MCS0	1	6	2437	-6.85	1.70	8.00	Pass
HT20	MCS0	1	11	2462	-7.29	1.70	8.00	Pass
HT20	MCS0	1	12	2467	-8.57	1.70	8.00	Pass
HT20	MCS0	1	13	2472	-25.57	1.70	8.00	Pass



## Appendix B. Radiated Spurious Emission

Test Engineer :	Tsung Lee, Stan Hsieh, Kyle Chuang	Temperature :	22~24°C
		Relative Humidity :	45~47%

### 2.4GHz 2400~2483.5MHz

#### WIFI 802.11b (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 )	
802.11b CH 01 2412MHz		2385.18	55.9	-18.1	74	56.54	27.19	5.39	33.22	275	143	P	H	
		2385.39	49.46	-4.54	54	50.1	27.19	5.39	33.22	275	143	A	H	
	*	2412	109.02	-	-	109.53	27.28	5.42	33.21	275	143	P	H	
	*	2412	105.77	-	-	106.28	27.28	5.42	33.21	275	143	A	H	
													H	
														H
			2389.905	54.59	-19.41	74	55.18	27.23	5.39	33.21	363	279	P	V
			2385.39	45.71	-8.29	54	46.35	27.19	5.39	33.22	363	279	A	V
	*		2412	106.92	-	-	107.43	27.28	5.42	33.21	363	279	P	V
	*		2412	103.42	-	-	103.93	27.28	5.42	33.21	363	279	A	V
														V
														V
802.11b CH 06 2437MHz		2389.52	51.94	-22.06	74	52.54	27.23	5.39	33.22	269	142	P	H	
		2389.38	42.35	-11.65	54	42.95	27.23	5.39	33.22	269	142	A	H	
	*	2437	109.31	-	-	109.71	27.37	5.42	33.19	269	142	P	H	
	*	2437	105.77	-	-	106.17	27.37	5.42	33.19	269	142	A	H	
			2484.95	54.36	-19.64	74	54.61	27.46	5.46	33.17	269	142	P	H
			2484.67	43.06	-10.94	54	43.31	27.46	5.46	33.17	269	142	A	H
			2388.82	51.23	-22.77	74	51.83	27.23	5.39	33.22	358	282	P	V
			2389.38	41.61	-12.39	54	42.21	27.23	5.39	33.22	358	282	A	V
	*		2437	106.59	-	-	106.99	27.37	5.42	33.19	358	282	P	V
	*		2437	102.77	-	-	103.17	27.37	5.42	33.19	358	282	A	V
			2495.94	51.94	-22.06	74	52.14	27.5	5.46	33.16	358	282	P	V
			2485.65	41.02	-12.98	54	41.27	27.46	5.46	33.17	358	282	A	V



<b>802.11b</b> <b>CH 11</b> <b>2462MHz</b>	*	2462	109.82	-	-	110.15	27.41	5.44	33.18	295	141	P	H
	*	2462	106.32	-	-	106.65	27.41	5.44	33.18	295	141	A	H
		2484.16	58.26	-15.74	74	58.51	27.46	5.46	33.17	295	141	P	H
		2484.36	50.92	-3.08	54	51.17	27.46	5.46	33.17	295	141	A	H
													H
													H
	*	2462	105.17	-	-	105.5	27.41	5.44	33.18	282	295	P	V
	*	2462	100.7	-	-	101.03	27.41	5.44	33.18	282	295	A	V
		2492.32	54.66	-19.34	74	54.86	27.5	5.46	33.16	282	295	P	V
		2491.12	46.66	-7.34	54	46.87	27.5	5.46	33.17	282	295	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11b CH 12 2467MHz	*	2467	109.39	-	-	109.71	27.41	5.44	33.17	296	139	P	H
	*	2467	106.18	-	-	106.5	27.41	5.44	33.17	296	139	A	H
		2484	58.02	-15.98	74	58.27	27.46	5.46	33.17	296	139	P	H
		2484.28	50.01	-3.99	54	50.26	27.46	5.46	33.17	296	139	A	H
													H
													H
	*	2467	105.22	-	-	105.54	27.41	5.44	33.17	282	297	P	V
	*	2467	102.89	-	-	103.21	27.41	5.44	33.17	282	297	A	V
		2483.52	55.22	-18.78	74	55.47	27.46	5.46	33.17	282	297	P	V
		2484.12	45.49	-8.51	54	45.74	27.46	5.46	33.17	282	297	A	V
													V
													V
802.11b CH 13 2472MHz	*	2472	103.49	-	-	103.76	27.46	5.44	33.17	293	138	P	H
	*	2472	100	-	-	100.27	27.46	5.44	33.17	293	138	A	H
		2483.64	58.37	-15.63	74	58.62	27.46	5.46	33.17	293	138	P	H
		2483.52	53.3	-0.7	54	53.55	27.46	5.46	33.17	293	138	A	H
													H
													H
	*	2472	100.12	-	-	100.39	27.46	5.44	33.17	281	298	P	V
	*	2472	94.44	-	-	94.71	27.46	5.44	33.17	281	298	A	V
		2483.52	54.42	-19.58	74	54.67	27.46	5.46	33.17	281	298	P	V
		2483.52	47.78	-6.22	54	48.03	27.46	5.46	33.17	281	298	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz  
WIFI 802.11b (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 )
802.11b CH 01 2412MHz		4824	34.78	-39.22	74	46.92	31.46	7.58	51.18	100	0	P	H
													H
													H
													H
		4824	34.23	-39.77	74	46.37	31.46	7.58	51.18	100	0	P	V
													V
													V
802.11b CH 06 2437MHz		4874	34.87	-39.13	74	46.76	31.56	7.7	51.15	100	0	P	H
		7311	40.7	-33.3	74	45.83	36.18	9.49	50.8	100	0	P	H
													H
													H
		4874	33.39	-40.61	74	45.28	31.56	7.7	51.15	100	0	P	V
		7311	41.65	-32.35	74	46.78	36.18	9.49	50.8	100	0	P	V
													V
802.11b CH 11 2462MHz		4924	35.22	-38.78	74	46.76	31.66	7.93	51.13	100	0	P	H
		7386	41.24	-32.76	74	46.14	36.37	9.53	50.8	100	0	P	H
													H
													H
		4924	34.62	-39.38	74	46.16	31.66	7.93	51.13	100	0	P	V
		7386	41.5	-32.5	74	46.4	36.37	9.53	50.8	100	0	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11b CH 12 2467MHz		4934	33.56	-40.44	74	45.1	31.66	7.93	51.13	100	0	P	H
		7401	41.33	-32.67	74	46.11	36.41	9.61	50.8	100	0	P	H
													H
													H
		4934	34.47	-39.53	74	46.01	31.66	7.93	51.13	100	0	P	V
		7401	41.6	-32.4	74	46.38	36.41	9.61	50.8	100	0	P	V
													V
													V
802.11b CH 13 2472MHz		4944	34.81	-39.19	74	46.31	31.7	7.93	51.13	100	0	P	H
		7416	41.34	-32.66	74	46.12	36.41	9.61	50.8	100	0	P	H
													H
													H
		4944	35.07	-38.93	74	46.57	31.7	7.93	51.13	100	0	P	V
		7416	41.26	-32.74	74	46.04	36.41	9.61	50.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz  
WIFI 802.11g (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 )	
802.11g CH 01 2412MHz		2388.645	67.5	-6.5	74	68.1	27.23	5.39	33.22	306	150	P	H	
		2388.015	52.12	-1.88	54	52.72	27.23	5.39	33.22	306	150	A	H	
	*	2412	109.52	-	-	110.03	27.28	5.42	33.21	306	150	P	H	
	*	2412	101.55	-	-	102.06	27.28	5.42	33.21	306	150	A	H	
													H	
														H
			2389.38	62.8	-11.2	74	63.4	27.23	5.39	33.22	361	296	P	V
			2390	47.66	-6.34	54	48.25	27.23	5.39	33.21	361	296	A	V
	*		2412	107.79	-	-	108.3	27.28	5.42	33.21	361	296	P	V
	*		2412	98.98	-	-	99.49	27.28	5.42	33.21	361	296	A	V
														V
														V
802.11g CH 06 2437MHz		2383.22	54.24	-19.76	74	54.88	27.19	5.39	33.22	300	148	P	H	
		2389.66	44.36	-9.64	54	44.96	27.23	5.39	33.22	300	148	A	H	
	*	2437	111.28	-	-	111.68	27.37	5.42	33.19	300	148	P	H	
	*	2437	103.52	-	-	103.92	27.37	5.42	33.19	300	148	A	H	
			2494.33	55.37	-18.63	74	55.57	27.5	5.46	33.16	300	148	P	H
			2483.55	44.37	-9.63	54	44.62	27.46	5.46	33.17	300	148	A	H
			2389.8	55.12	-18.88	74	55.71	27.23	5.39	33.21	370	358	P	V
			2389.24	44.34	-9.66	54	44.94	27.23	5.39	33.22	370	358	A	V
	*		2437	108.62	-	-	109.02	27.37	5.42	33.19	370	358	P	V
	*		2437	98.99	-	-	99.39	27.37	5.42	33.19	370	358	A	V
			2483.62	51.88	-22.12	74	52.13	27.46	5.46	33.17	370	358	P	V
			2483.5	42.18	-11.82	54	42.43	27.46	5.46	33.17	370	358	A	V



<b>802.11g CH 11 2462MHz</b>	*	2462	110.51	-	-	110.84	27.41	5.44	33.18	295	147	P	H
	*	2462	102.79	-	-	103.12	27.41	5.44	33.18	295	147	A	H
		2483.92	66.36	-7.64	74	66.61	27.46	5.46	33.17	295	147	P	H
		2483.52	52.81	-1.19	54	53.06	27.46	5.46	33.17	295	147	A	H
													H
													H
	*	2462	106.92	-	-	107.25	27.41	5.44	33.18	361	359	P	V
	*	2462	99.05	-	-	99.38	27.41	5.44	33.18	361	359	A	V
		2483.68	59.79	-14.21	74	60.04	27.46	5.46	33.17	361	359	P	V
		2483.6	48.35	-5.65	54	48.6	27.46	5.46	33.17	361	359	A	V
													V
													V
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												





WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. (P/A)	Pol. (H/V)
802.11g CH 12 2467MHz	*	2467	107.96	-	-	108.28	27.41	5.44	33.17	294	141	P	H
	*	2467	100.53	-	-	100.85	27.41	5.44	33.17	294	141	A	H
		2483.88	67.44	-6.56	74	67.69	27.46	5.46	33.17	294	141	P	H
		2483.52	53.18	-0.82	54	53.43	27.46	5.46	33.17	294	141	A	H
													H
													H
	*	2467	103.47	-	-	103.79	27.41	5.44	33.17	361	358	P	V
	*	2467	95.9	-	-	96.22	27.41	5.44	33.17	361	358	A	V
		2483.64	62.06	-11.94	74	62.31	27.46	5.46	33.17	361	358	P	V
		2483.52	47.15	-6.85	54	47.4	27.46	5.46	33.17	361	358	A	V
													V
													V
802.11g CH 13 2472MHz	*	2472	92.08	-	-	92.35	27.46	5.44	33.17	264	141	P	H
	*	2472	84.14	-	-	84.41	27.46	5.44	33.17	264	141	A	H
		2483.52	64.96	-9.04	74	65.21	27.46	5.46	33.17	264	141	P	H
		2483.52	51.27	-2.73	54	51.52	27.46	5.46	33.17	264	141	A	H
													H
													H
	*	2472	84.54	-	-	84.81	27.46	5.44	33.17	392	359	P	V
	*	2472	77.5	-	-	77.77	27.46	5.44	33.17	392	359	A	V
		2483.52	58.53	-15.47	74	58.78	27.46	5.46	33.17	392	359	P	V
		2483.64	45.15	-8.85	54	45.4	27.46	5.46	33.17	392	359	A	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz  
WIFI 802.11g (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)	
802.11g CH 01 2412MHz		4804	33.46	-40.54	74	45.64	31.42	7.58	51.18	100	0	P	H	
													H	
													H	
													H	
			4804	34	-40	74	46.18	31.42	7.58	51.18	100	0	P	V
														V
														V
802.11g CH 06 2437MHz		4874	33.19	-40.81	74	45.08	31.56	7.7	51.15	100	0	P	H	
		7311	41.07	-32.93	74	46.2	36.18	9.49	50.8	100	0	P	H	
													H	
													H	
			4874	32.76	-41.24	74	44.65	31.56	7.7	51.15	100	0	P	V
			7311	41.23	-32.77	74	46.36	36.18	9.49	50.8	100	0	P	V
														V
802.11g CH 11 2462MHz		4924	35.55	-38.45	74	47.09	31.66	7.93	51.13	100	0	P	H	
		7386	41.72	-32.28	74	46.62	36.37	9.53	50.8	100	0	P	H	
													H	
													H	
			4924	36.04	-37.96	74	47.58	31.66	7.93	51.13	100	0	P	V
			7386	41.03	-32.97	74	45.93	36.37	9.53	50.8	100	0	P	V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11g CH 12 2467MHz		4934	34.64	-39.36	74	46.18	31.66	7.93	51.13	100	0	P	H
		7401	41.58	-32.42	74	46.36	36.41	9.61	50.8	100	0	P	H
													H
													H
		4934	34.27	-39.73	74	45.81	31.66	7.93	51.13	100	0	P	V
		7401	40.83	-33.17	74	45.61	36.41	9.61	50.8	100	0	P	V
													V
													V
802.11g CH 13 2472MHz		4944	34.92	-39.08	74	46.42	31.7	7.93	51.13	100	0	P	H
		7416	41.37	-32.63	74	46.15	36.41	9.61	50.8	100	0	P	H
													H
													H
		4944	35.72	-38.28	74	47.22	31.7	7.93	51.13	100	0	P	V
		7416	41.11	-32.89	74	45.89	36.41	9.61	50.8	100	0	P	V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz  
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 01 2412MHz		2389.905	68.42	-5.58	74	69.01	27.23	5.39	33.21	382	129	P	H	
		2388.645	52.89	-1.11	54	53.49	27.23	5.39	33.22	382	129	A	H	
	*	2412	109.37	-	-	109.88	27.28	5.42	33.21	382	129	P	H	
	*	2412	101.74	-	-	102.25	27.28	5.42	33.21	382	129	A	H	
													H	
													H	
			2388.225	66.69	-7.31	74	67.29	27.23	5.39	33.22	351	41	P	V
			2389.59	52.37	-1.63	54	52.97	27.23	5.39	33.22	351	41	A	V
		*	2412	106.22	-	-	106.73	27.28	5.42	33.21	351	41	P	V
		*	2412	98.87	-	-	99.38	27.28	5.42	33.21	351	41	A	V
													V	
													V	
802.11n HT20 CH 06 2437MHz		2383.5	61.44	-12.56	74	62.08	27.19	5.39	33.22	300	129	P	H	
		2389.66	45.18	-8.82	54	45.78	27.23	5.39	33.22	300	129	A	H	
		*	2436	109.18	-	-	109.63	27.32	5.42	33.19	300	129	P	H
		*	2434	101.53	-	-	101.98	27.32	5.42	33.19	300	129	A	H
			2491.25	58.68	-15.32	74	58.89	27.5	5.46	33.17	300	129	P	H
			2484.25	44.43	-9.57	54	44.68	27.46	5.46	33.17	300	129	A	H
			2373.7	55.61	-18.39	74	56.25	27.19	5.39	33.22	336	42	P	V
			2388.54	44.23	-9.77	54	44.83	27.23	5.39	33.22	336	42	A	V
		*	2437	107.06	-	-	107.46	27.37	5.42	33.19	336	42	P	V
		*	2437	99.57	-	-	99.97	27.37	5.42	33.19	336	42	A	V
		2490.76	58.21	-15.79	74	58.42	27.5	5.46	33.17	336	42	P	V	
		2485.02	43.54	-10.46	54	43.79	27.46	5.46	33.17	336	42	A	V	



<b>802.11n</b> <b>HT20</b> <b>CH 11</b> <b>2462MHz</b>	*	2462	108.57	-	-	108.9	27.41	5.44	33.18	292	129	P	H
	*	2462	101.22	-	-	101.55	27.41	5.44	33.18	292	129	A	H
		2484.2	67.29	-6.71	74	67.54	27.46	5.46	33.17	292	129	P	H
		2483.56	53.3	-0.7	54	53.55	27.46	5.46	33.17	292	129	A	H
													H
													H
	*	2462	105.1	-	-	105.43	27.41	5.44	33.18	330	42	P	V
	*	2462	97.81	-	-	98.14	27.41	5.44	33.18	330	42	A	V
		2484.84	63.67	-10.33	74	63.92	27.46	5.46	33.17	330	42	P	V
		2483.56	50.68	-3.32	54	50.93	27.46	5.46	33.17	330	42	A	V
													V
												V	
<b>Remark</b>	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBμV/m )	Over Limit ( dB )	Limit Line ( dBμV/m )	Read Level ( dBμV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 12 2467MHz	*	2467	106.35	-	-	106.67	27.41	5.44	33.17	292	130	P	H
	*	2467	98.65	-	-	98.97	27.41	5.44	33.17	292	130	A	H
		2483.8	69.32	-4.68	74	69.57	27.46	5.46	33.17	292	130	P	H
		2483.56	52.92	-1.08	54	53.17	27.46	5.46	33.17	292	130	A	H
													H
													H
	*	2467	103.63	-	-	103.95	27.41	5.44	33.17	334	41	P	V
	*	2467	95.88	-	-	96.2	27.41	5.44	33.17	334	41	A	V
		2484.6	66.2	-7.8	74	66.45	27.46	5.46	33.17	334	41	P	V
		2483.52	50.38	-3.62	54	50.63	27.46	5.46	33.17	334	41	A	V
												V	
												V	
802.11n HT20 CH 13 2472MHz	*	2472	89.18	-	-	89.45	27.46	5.44	33.17	291	128	P	H
	*	2472	81.39	-	-	81.66	27.46	5.44	33.17	291	128	A	H
		2483.52	62.68	-11.32	74	62.93	27.46	5.46	33.17	291	128	P	H
		2483.52	49.32	-4.68	54	49.57	27.46	5.46	33.17	291	128	A	H
													H
													H
	*	2472	85.11	-	-	85.38	27.46	5.44	33.17	331	40	P	V
	*	2472	77.48	-	-	77.75	27.46	5.44	33.17	331	40	A	V
		2483.76	60.39	-13.61	74	60.64	27.46	5.46	33.17	331	40	P	V
		2483.72	46.33	-7.67	54	46.58	27.46	5.46	33.17	331	40	A	V
												V	
												V	
Remark	1. No other spurious found. 2. All results are PASS against Peak and Average limit line.												



**2.4GHz 2400~2483.5MHz  
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 01 2412MHz		4824	34.65	-39.35	74	46.79	31.46	7.58	51.18	100	0	P	H	
													H	
													H	
													H	
			4824	34.55	-39.45	74	46.69	31.46	7.58	51.18	100	0	P	V
														V
														V
802.11n HT20 CH 06 2437MHz		4874	33.49	-40.51	74	45.38	31.56	7.7	51.15	100	0	P	H	
		7311	41	-33	74	46.13	36.18	9.49	50.8	100	0	P	H	
													H	
													H	
			4874	34.7	-39.3	74	46.59	31.56	7.7	51.15	100	0	P	V
			7311	41.35	-32.65	74	46.48	36.18	9.49	50.8	100	0	P	V
														V
802.11n HT20 CH 11 2462MHz		4924	37.75	-36.25	74	49.29	31.66	7.93	51.13	100	0	P	H	
		7386	41.52	-32.48	74	46.42	36.37	9.53	50.8	100	0	P	H	
													H	
													H	
			4924	35.78	-38.22	74	47.32	31.66	7.93	51.13	100	0	P	V
			7386	41.75	-32.25	74	46.65	36.37	9.53	50.8	100	0	P	V
														V
Remark	1. No other spurious found.													
	2. All results are PASS against Peak and Average limit line.													



WIFI Ant. 1	Note	Frequency ( MHz )	Level ( dBµV/m )	Over Limit ( dB )	Limit Line ( dBµV/m )	Read Level ( dBµV )	Antenna Factor ( dB/m )	Cable Loss ( dB )	Preamp Factor ( dB )	Ant Pos ( cm )	Table Pos ( deg )	Peak Avg. ( P/A )	Pol. ( H/V )
802.11n HT20 CH 12 2467MHz		4934	35.08	-38.92	74	46.62	31.66	7.93	51.13	100	0	P	H
		7401	40.69	-33.31	74	45.47	36.41	9.61	50.8	100	0	P	H
													H
													H
		4934	34.33	-39.67	74	45.87	31.66	7.93	51.13	100	0	P	V
		7401	41.3	-32.7	74	46.08	36.41	9.61	50.8	100	0	P	V
													V
802.11n HT20 CH 13 2472MHz		4944	35.06	-38.94	74	46.56	31.7	7.93	51.13	100	0	P	H
		7416	41.08	-32.92	74	45.86	36.41	9.61	50.8	100	0	P	H
													H
													H
		4944	35.87	-38.13	74	47.37	31.7	7.93	51.13	100	0	P	V
		7416	41.69	-32.31	74	46.47	36.41	9.61	50.8	100	0	P	V
													V
Remark	1. No other spurious found.												
	2. All results are PASS against Peak and Average limit line.												





Emission below 1GHz

2.4GHz WIFI 802.11n HT20 (LF)

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 )	
2.4GHz 802.11n HT20 LF		30	24.28	-15.72	40	30.29	26.1	0.65	32.76			P	H	
		92.37	20.89	-22.61	43.5	37.16	15.36	1.14	32.77			P	H	
		121.26	23.47	-20.03	43.5	37.28	17.82	1.14	32.77			P	H	
		370.7	21.21	-24.79	46	30.14	21.69	2.13	32.75			P	H	
		646.5	25.95	-20.05	46	30.31	25.97	2.67	33			P	H	
		930.7	31.14	-14.86	46	30.29	29.52	3.29	31.96	100	0	P	H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
													H	
			33.51	24.75	-15.25	40	32.99	23.86	0.65	32.75			P	V
			55.11	26.46	-13.54	40	44.67	13.6	0.93	32.74			P	V
			150.15	22.86	-20.64	43.5	36.59	17.7	1.33	32.76			P	V
			348.3	20.6	-25.4	46	30.25	21.14	1.94	32.73			P	V
			667.5	26.23	-19.77	46	30.45	26.1	2.67	32.99			P	V
			902.7	33.9	-12.1	46	34.18	28.78	3.2	32.26	100	0	P	V
													V	
													V	
													V	
													V	
													V	
													V	
Remark	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 Plots

Test Engineer :	Tsung Lee, Stan Hsieh, Kyle Chuang	Temperature :	22~24°C
		Relative Humidity :	45~47%

### Note symbol

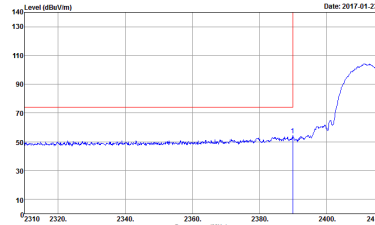
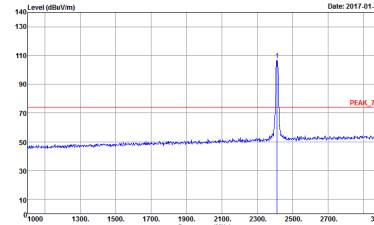
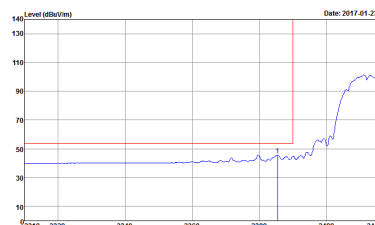
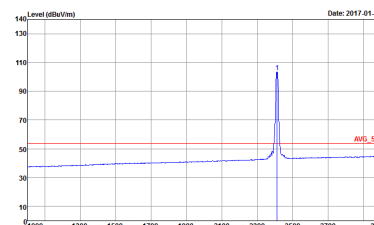
-L	Low channel location
-R	High channel location



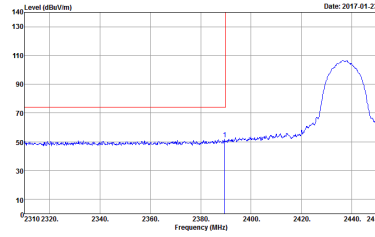
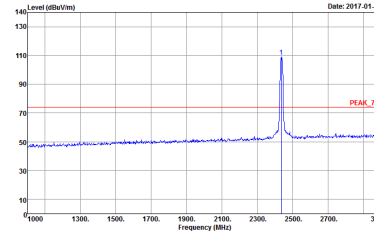
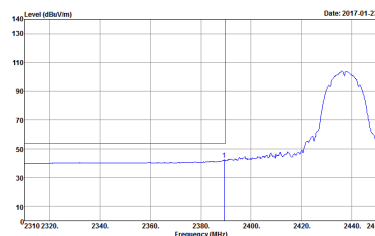
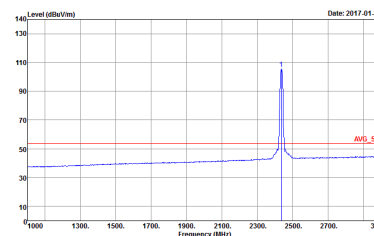
2.4GHz 2400~2483.5MHz  
WIFI 802.11b (Band Edge @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 662705-01 Mode : 4</p>	<p>Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 662705-01 Mode : 4</p>
Avg.	<p>Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 662705-01 Mode : 4</p>	<p>Site : 03CH10-HY Condition : AVG_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000kHz VBW:3000.000kHz SWT:Auto Detector : Peak Project : 662705-01 Mode : 4</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 4</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 4</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 4</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 4</p>



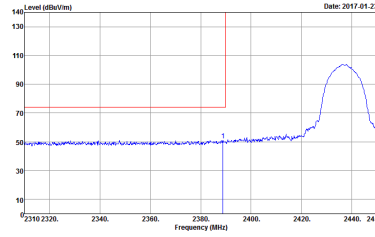
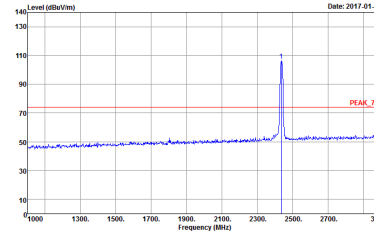
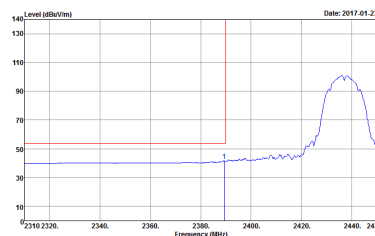
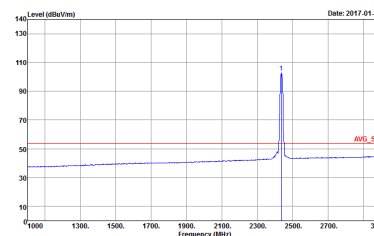
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 5</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 5</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 5</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 5</p>



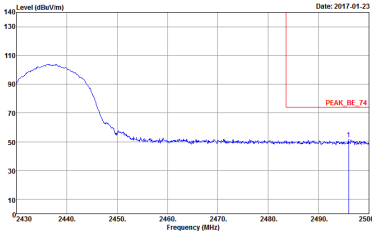
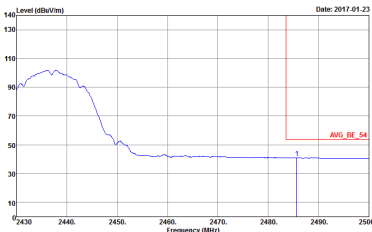
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:3000.000KHz SWF:Auto Detector : Peak Project : 662705-01 Mode : 5</p>	Left blank
Avg.	<p>Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL RBW:1000.000KHz VBW:0.010KHz SWF:Auto Detector : Peak Project : 662705-01 Mode : 5</p>	Left blank



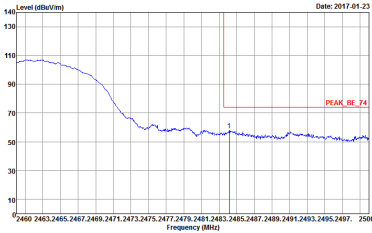
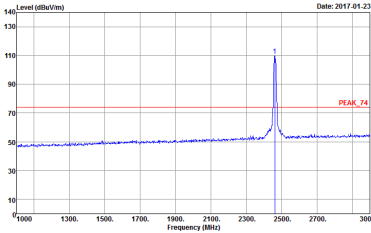
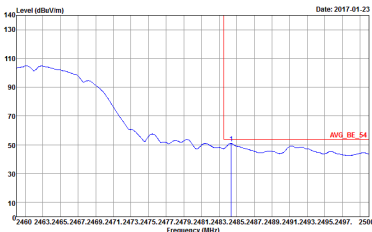
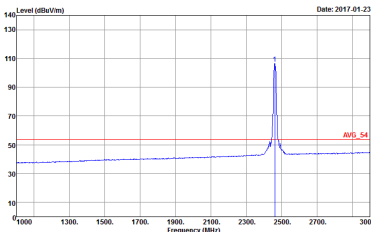


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 5</p>	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 5</p>
Avg.	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 5</p>	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 5</p>

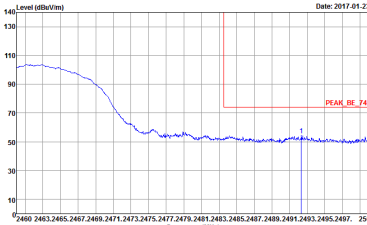
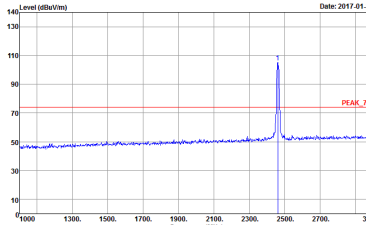
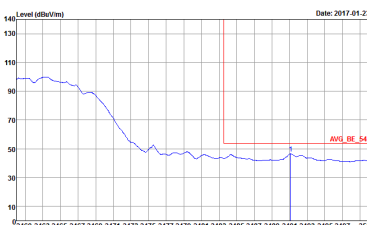
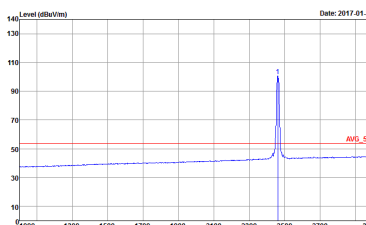


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWF:Auto            Detector : Peak            Project : 662705-01            Mode : 5</p>	<p>Left blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:0.010kHz SWF:Auto            Detector : Peak            Project : 662705-01            Mode : 5</p>	<p>Left blank</p>

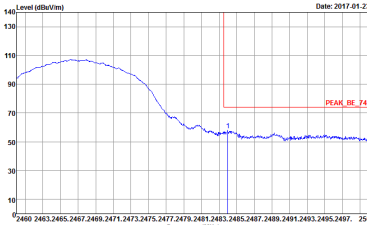
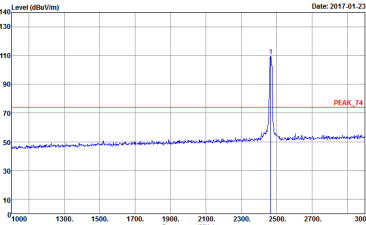
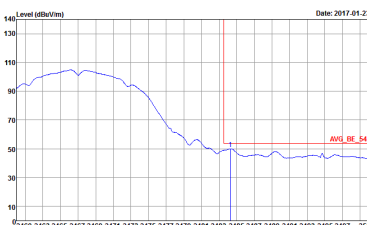
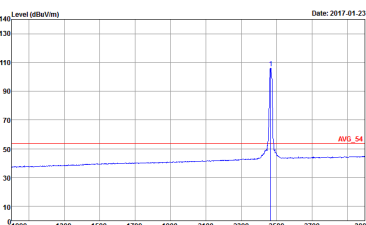


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 6</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 6</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 6</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 6</p>

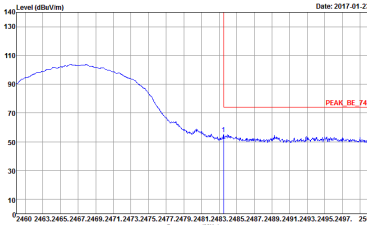
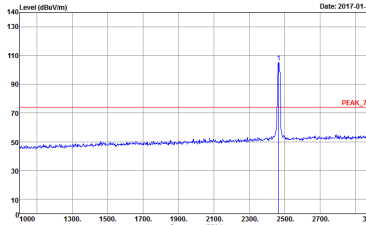
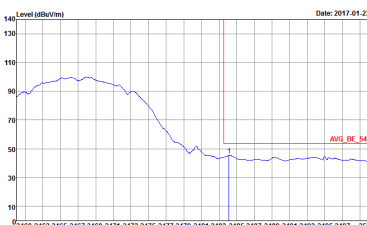
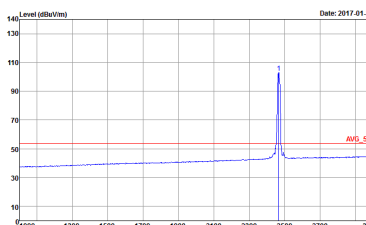


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 6</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 6</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 6</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 6</p>

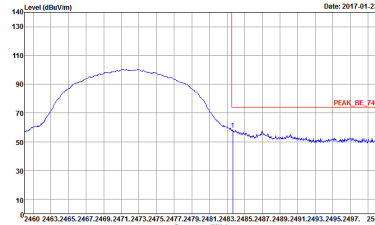
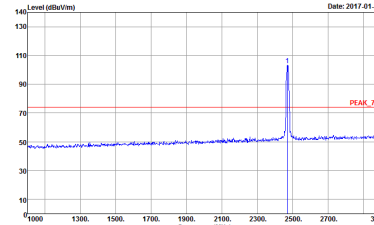
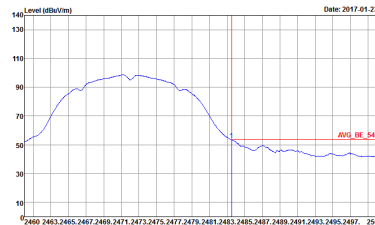
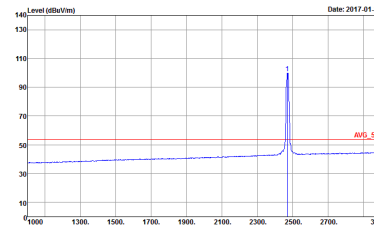


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 7</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 7</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 7</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 7</p>

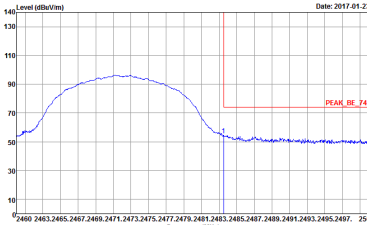
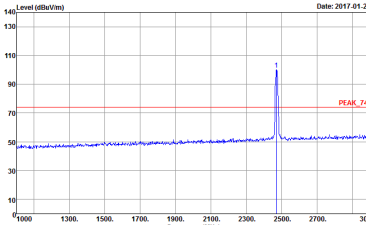
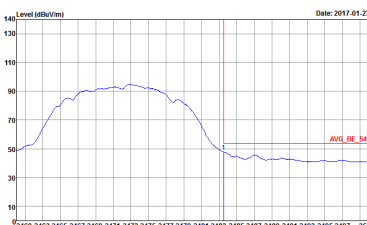
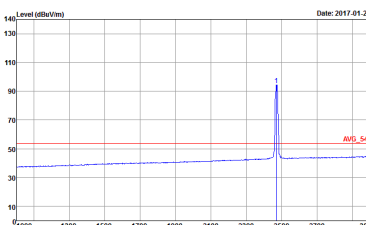


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 7</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 7</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 7</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 7</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : B</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : B</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : B</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:0.010kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : B</p>

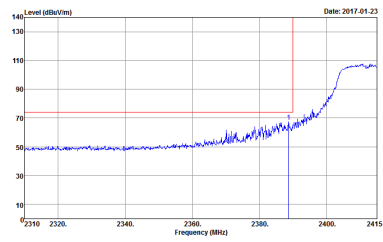
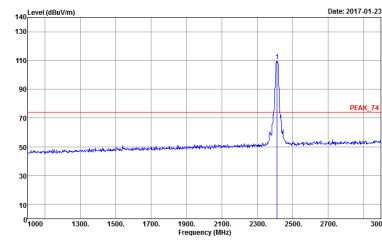
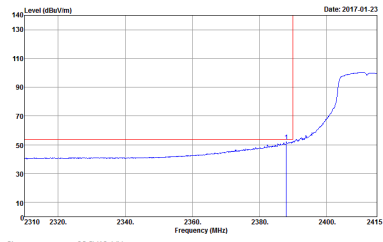
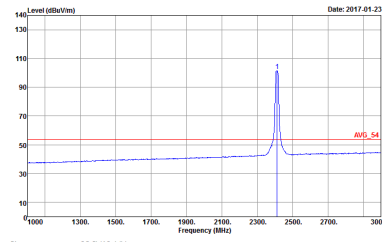


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : B</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : B</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : B</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:0.010KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : B</p>

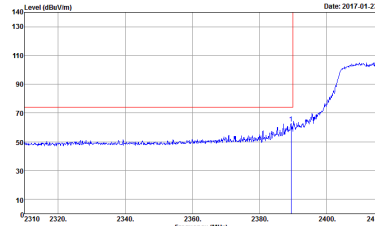
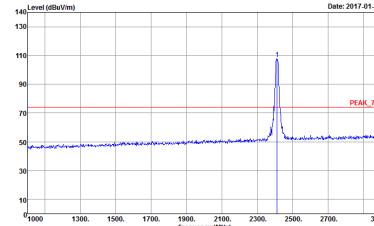
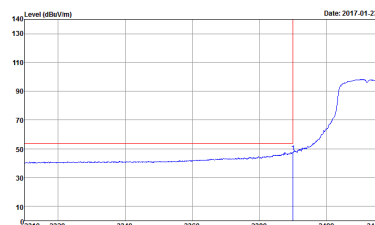
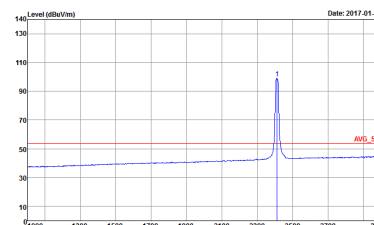




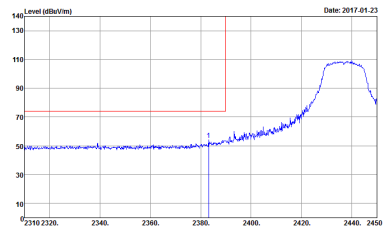
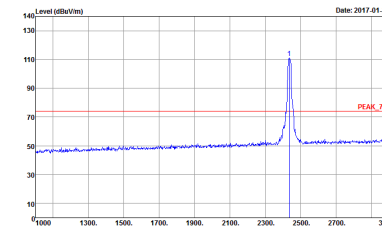
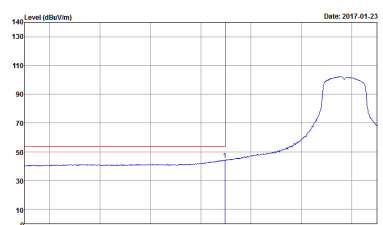
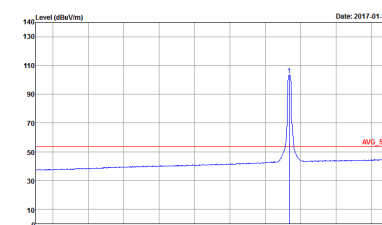
**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11g (Band Edge @ 3m)**

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 9</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 9</p>
<b>Avg.</b>	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 9</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 9</p>

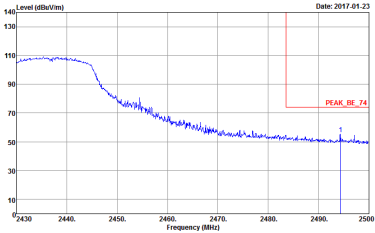
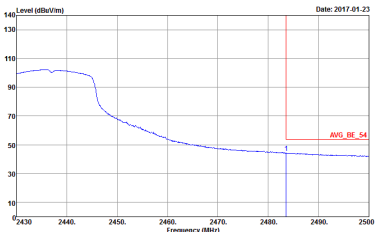


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 662705-01 Mode : 9</p>	 <p>Site : 03CH10-HY Condition : PEAK_74 3m HORN 91200-HF VERTICAL Detector : Peak Project : 662705-01 Mode : 9</p>
Avg.	 <p>Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 662705-01 Mode : 9</p>	 <p>Site : 03CH10-HY Condition : AVG_54 3m HORN 91200-HF VERTICAL Detector : Peak Project : 662705-01 Mode : 9</p>

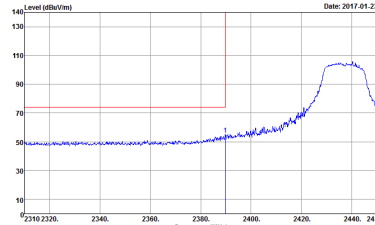
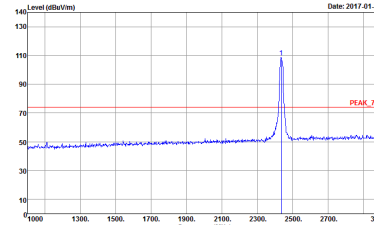
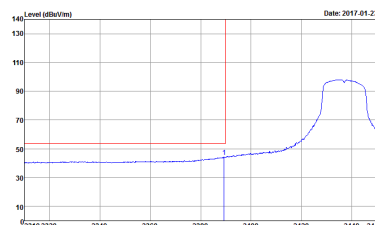
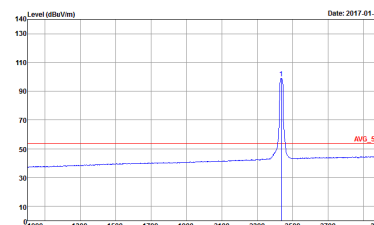


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 10</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 10</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 10</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 10</p>

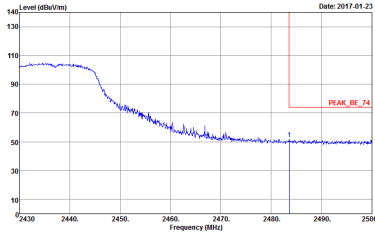
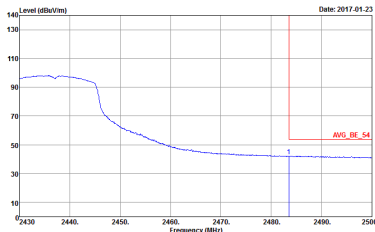


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 <p>           Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 10         </p>	Left blank
Avg.	 <p>           Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 10         </p>	Left blank

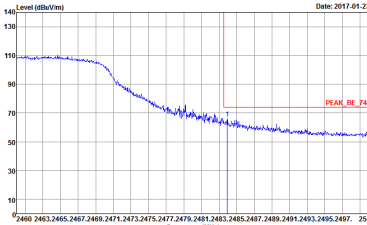
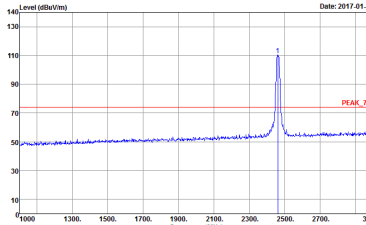
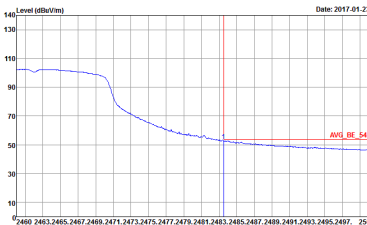
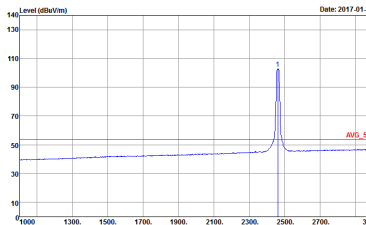


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 10</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 10</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 10</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 10</p>

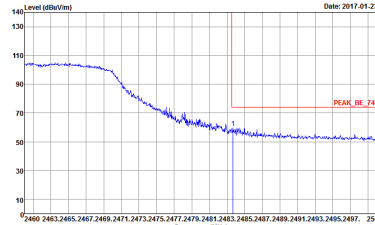
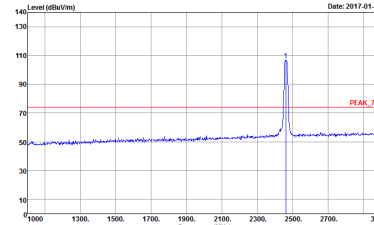
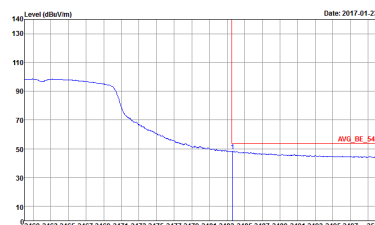
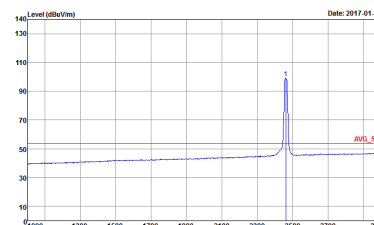


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
<p><b>Peak</b></p>	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWF:Auto            Detector : Peak            Project : 662705-01            Mode : 10</p>	<p>Left Blank</p>
<p><b>Avg.</b></p>	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:1000kHz SWF:Auto            Detector : Peak            Project : 662705-01            Mode : 10</p>	<p>Left Blank</p>



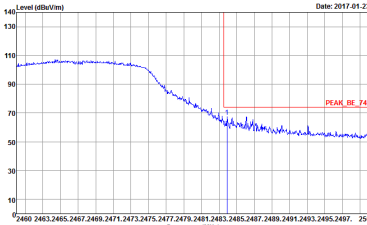
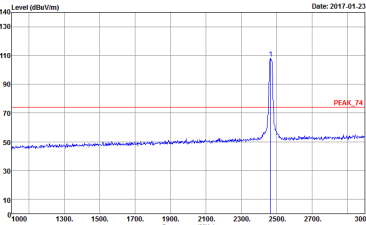
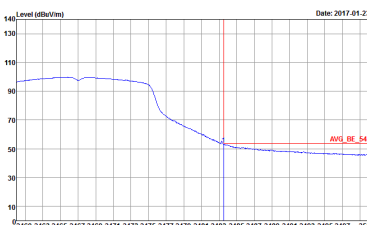
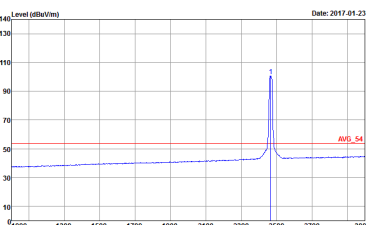
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 11</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 11</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 11</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 11</p>



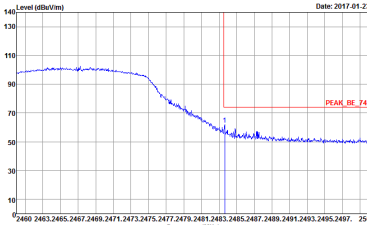
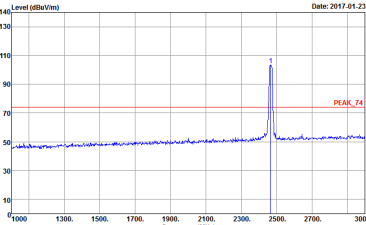
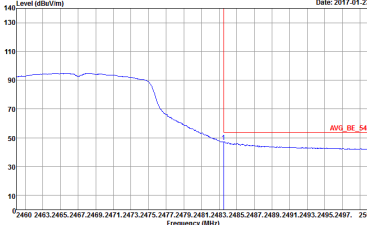
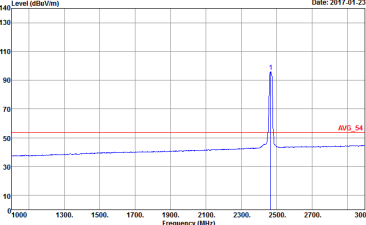
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 11</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 11</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 11</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 11</p>



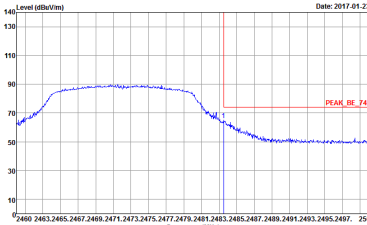
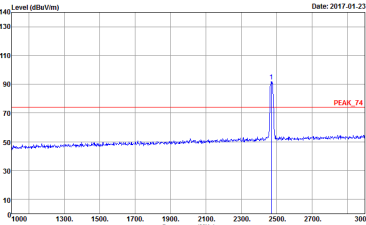
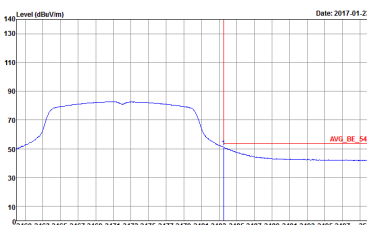
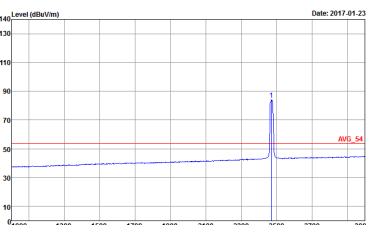


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 12</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 12</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 12</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 12</p>

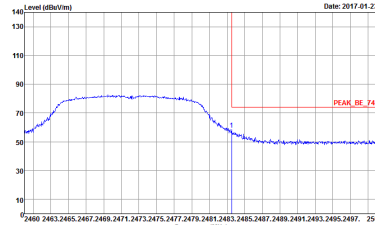
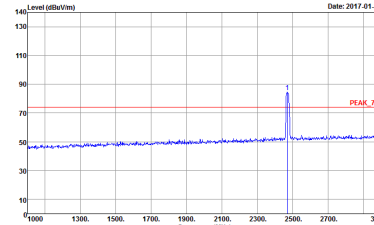
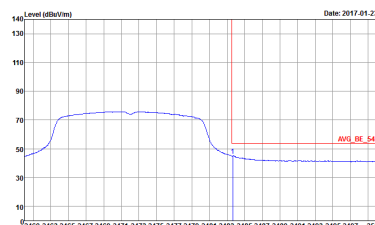
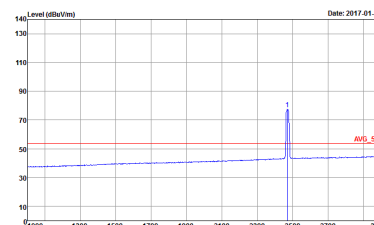


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1	Vertical	Fundamental
Peak	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 12</p>	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 12</p>
	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 12</p>	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 12</p>
Avg.		



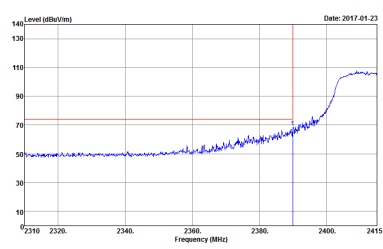
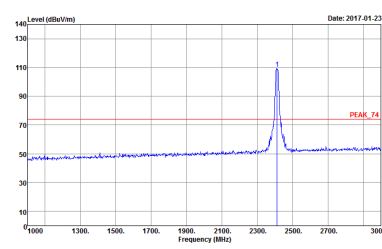
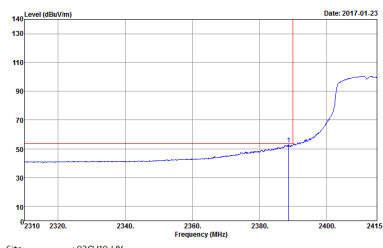
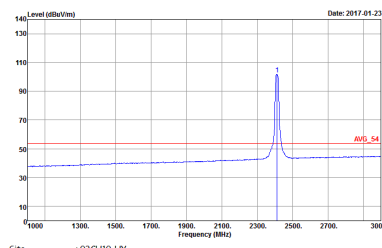
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 13</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 13</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 13</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF HORIZONTAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 13</p>



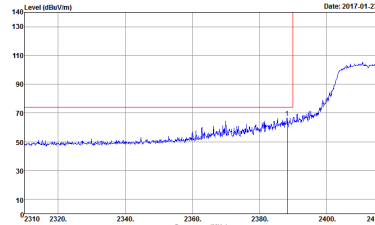
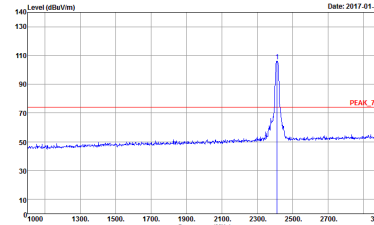
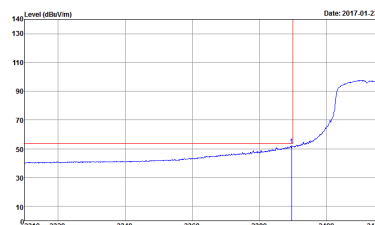
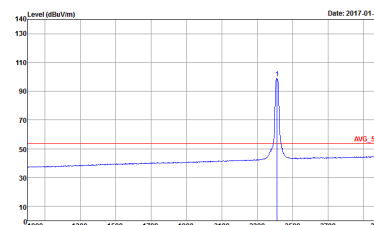
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1	Vertical	Fundamental
Peak	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            Detector : Peak            Project : 662705-01            Mode : 13</p>	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF VERTICAL            Detector : Peak            Project : 662705-01            Mode : 13</p>
Avg.	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            Detector : Peak            Project : 662705-01            Mode : 13</p>	 <p>Date: 2017-01-23</p> <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF VERTICAL            Detector : Peak            Project : 662705-01            Mode : 13</p>



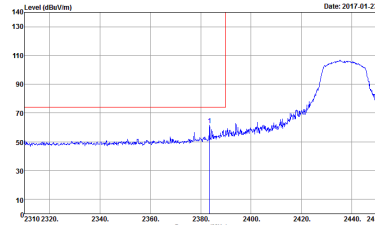
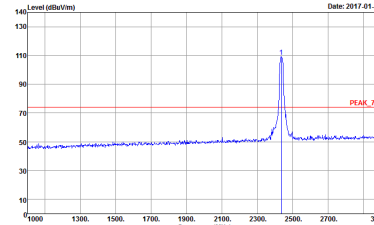
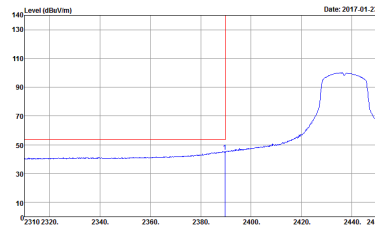
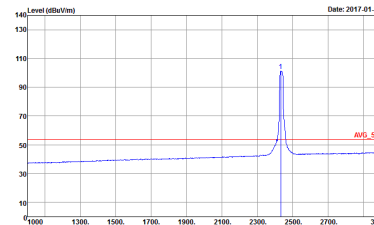
**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11n HT20 (Band Edge @ 3m)**

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Fundamental
<b>Peak</b>	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 14</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL            : RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 14</p>
<b>Avg.</b>	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL            : RBW:1000.000kHz VBW:1.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 14</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF HORIZONTAL            : RBW:1000.000kHz VBW:1.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 14</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 14</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 14</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 14</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 14</p>



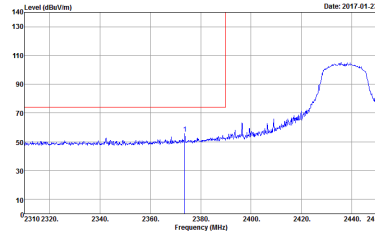
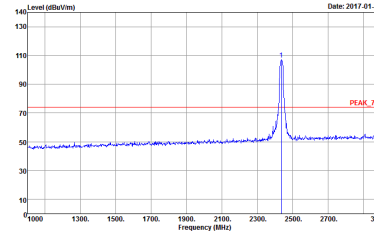
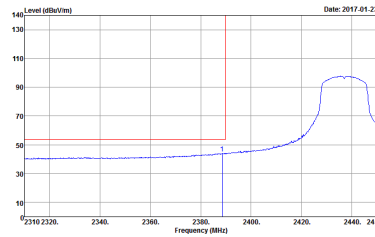
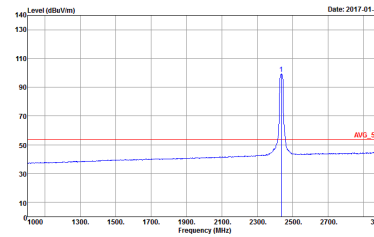
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 15</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 15</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 15</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF HORIZONTAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 15</p>



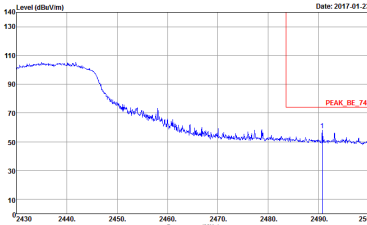
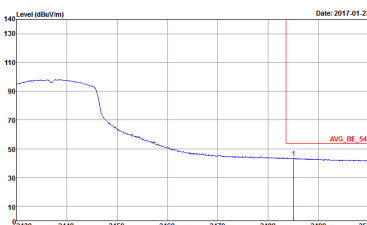
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	<p>Site : 03CH10-HY Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 662705-01 Mode : 15</p>	Left blank
Avg.	<p>Site : 03CH10-HY Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL Detector : Peak Project : 662705-01 Mode : 15</p>	Left blank



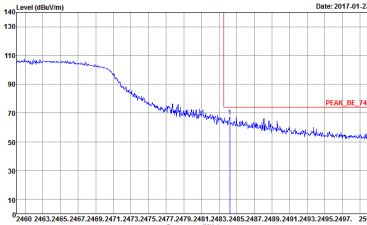
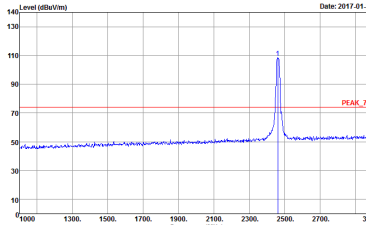
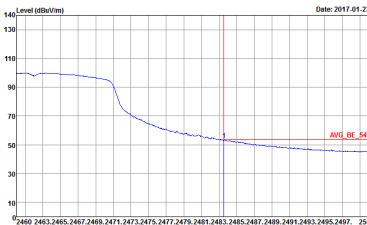
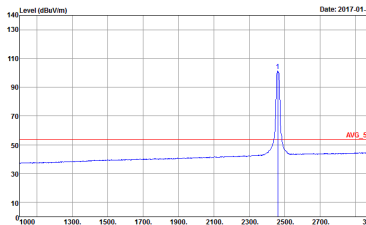


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 15</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 15</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 15</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 15</p>

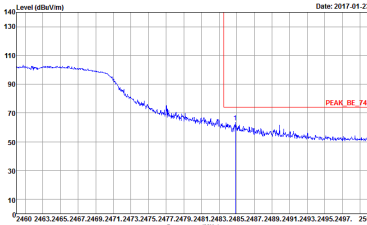
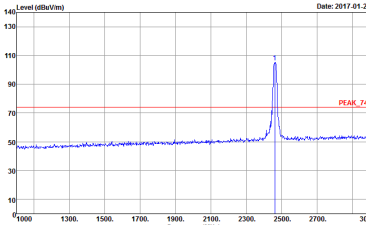
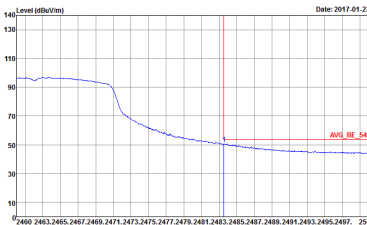
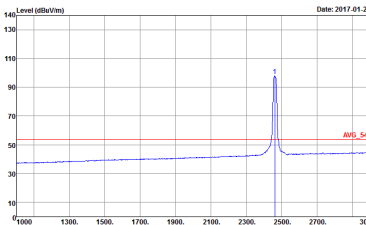


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWF:Auto            Detector : Peak            Project : 662705-01            Mode : 15</p>	Left Blank
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            RBW:1000.000kHz VBW:1000kHz SWF:Auto            Detector : Peak            Project : 662705-01            Mode : 15</p>	Left Blank

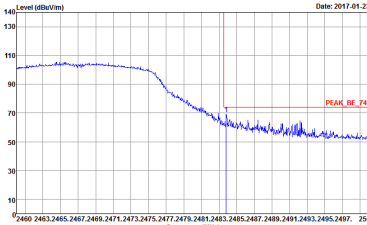
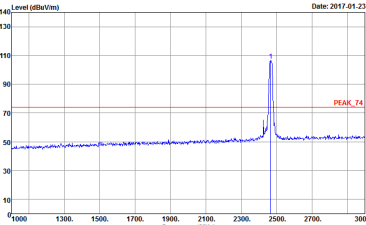
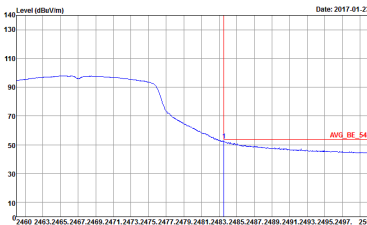
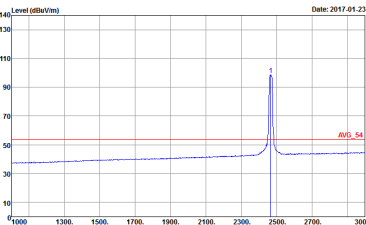


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 16</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 16</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF HORIZONTAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 16</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF HORIZONTAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 16</p>

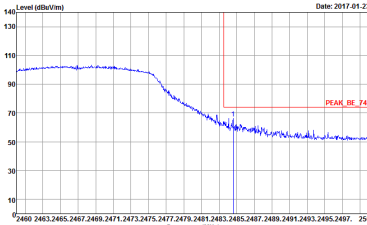
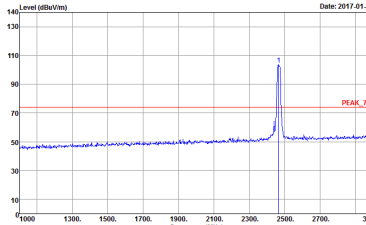
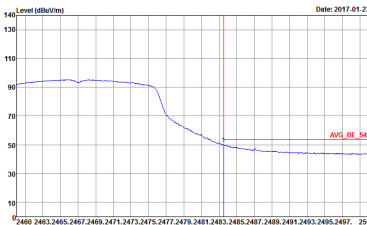
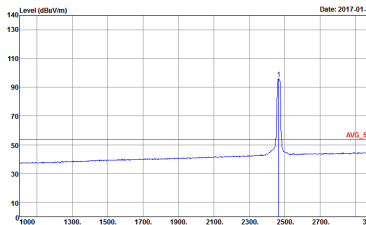


WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 16</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF VERTICAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 16</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 16</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF VERTICAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 16</p>

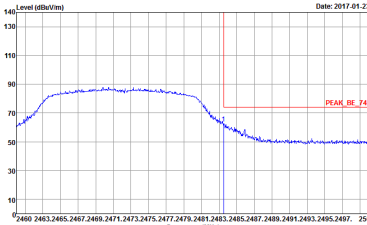
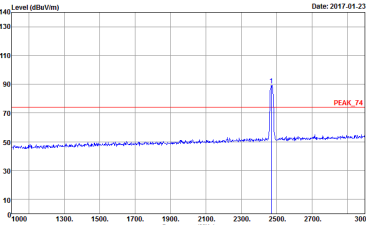
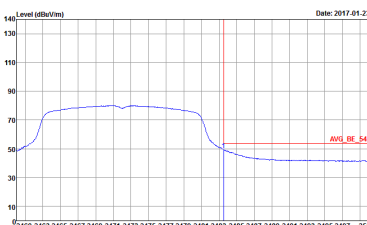
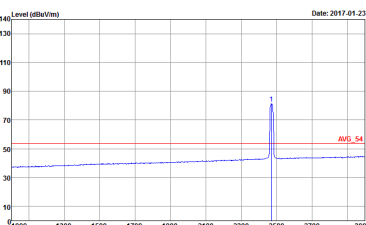


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 17</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:3000.000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 17</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 17</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000kHz VBW:1000kHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 17</p>

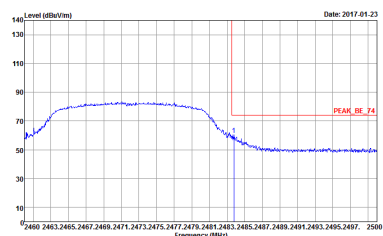
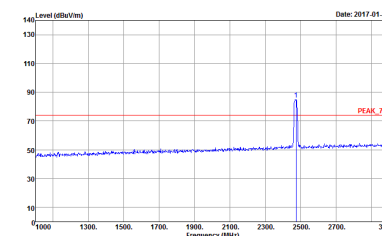
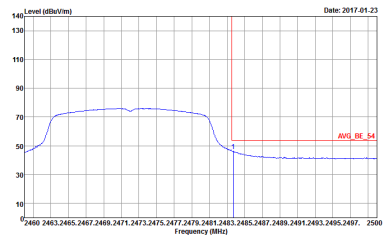
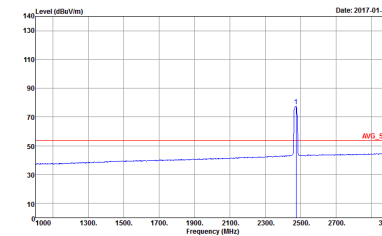


WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
1	Vertical	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 17</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 17</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 17</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 17</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 18</p>	 <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 18</p>
Avg.	 <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 18</p>	 <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 9120D-HF HORIZONTAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 18</p>



WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Vertical	Fundamental
Peak	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a peak at 2472 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line indicates the peak level at approximately 75 dBuV/m.</p> <p>Site : 03CH10-HY            Condition : PEAK_BE_74 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 18</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing a sharp peak at 2472 MHz. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the peak level at approximately 75 dBuV/m.</p> <p>Site : 03CH10-HY            Condition : PEAK_74 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:3000.000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 18</p>
Avg.	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average level across the band. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 2460 to 2500 MHz. A red line indicates the average level at approximately 55 dBuV/m.</p> <p>Site : 03CH10-HY            Condition : AVG_BE_54 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 18</p>	 <p>Level (dBuV/m) vs Frequency (MHz) plot showing the average level across the band. The y-axis ranges from 10 to 140 dBuV/m, and the x-axis ranges from 1000 to 3000 MHz. A red line indicates the average level at approximately 55 dBuV/m.</p> <p>Site : 03CH10-HY            Condition : AVG_54 3m HORN 91200-HF VERTICAL            RBW:1000.000KHz VBW:1000KHz SWT:Auto            Detector : Peak            Project : 662705-01            Mode : 18</p>

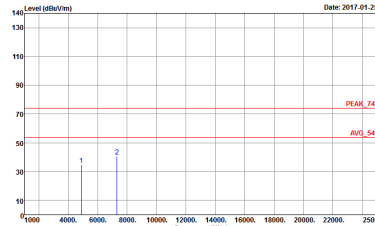
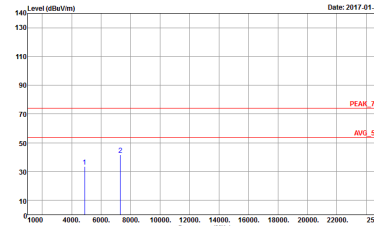




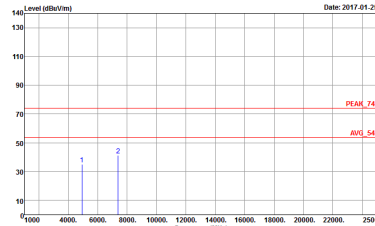
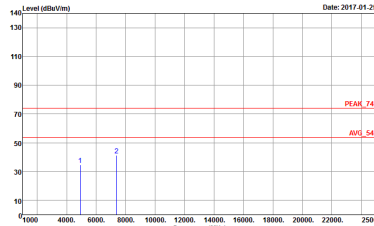
**2.4GHz 2400~2483.5MHz**  
**WIFI 802.11b (Harmonic @ 3m)**

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Vertical
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH10-1FY            Condition : PEAK_74 3m HORN_9170_40G_0584 HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 4</p>	<p>Site : 03CH10-1FY            Condition : PEAK_74 3m HORN_9170_40G_0584 VERTICAL            Detector : Peak            Project : 662705-01            Mode : 4</p>

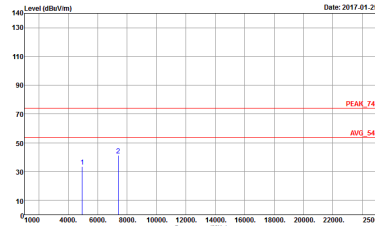
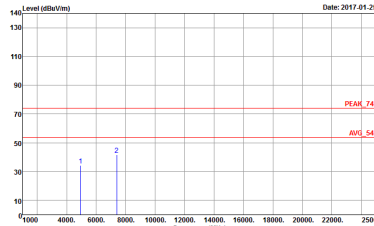


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 5</p>	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 5</p>

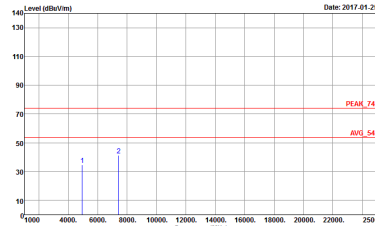
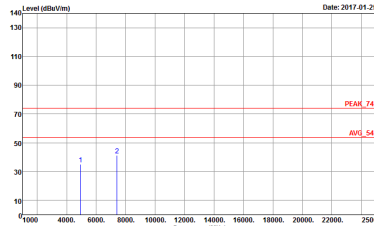


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 6</p>	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 6</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH12 2467MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 7</p>	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 7</p>



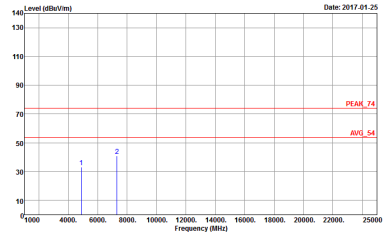
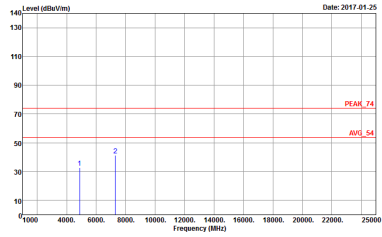
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH13 2472MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 8</p>	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 8</p>



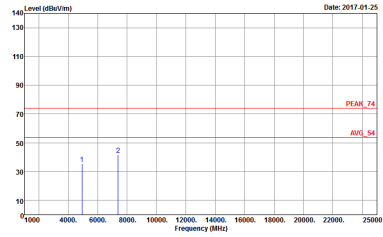
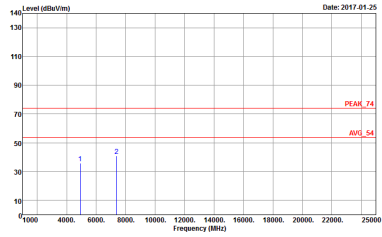
**2.4GHz 2400~2483.5MHz  
WIFI 802.11g (Harmonic @ 3m)**

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Vertical
<b>Peak Avg.</b>	<p>Site : 03CH10-1FY Condition : PEAK_74 3m HORN_9170_40G_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 19</p>	<p>Site : 03CH10-1FY Condition : PEAK_74 3m HORN_9170_40G_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 19</p>



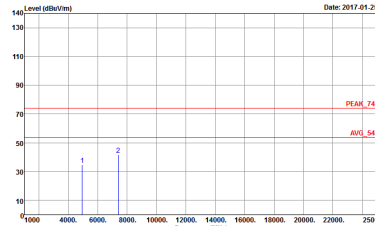
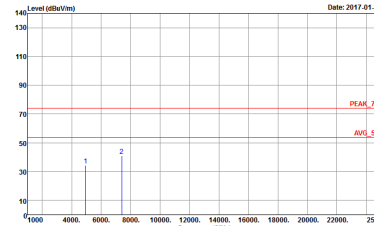
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH10-1HY Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 10</p>	 <p>Site : 03CH10-1HY Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 10</p>



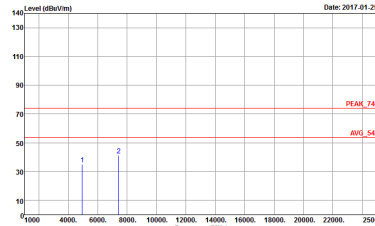
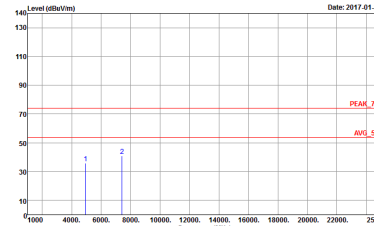
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 11</p>	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 11</p>





WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH12 2467MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 12</p>	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 12</p>



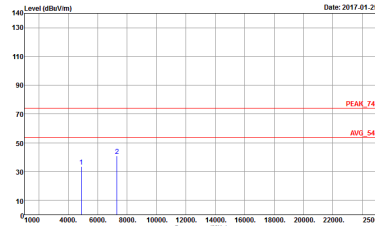
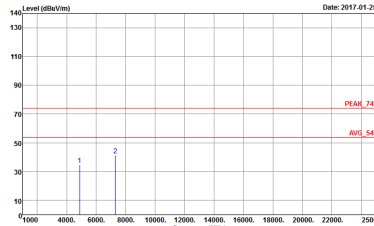
<b>WIFI</b>	<b>2.4GHz 2400~2483.5MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11g CH13 2472MHz</b>	
<b>1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 13</p>	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 13</p>



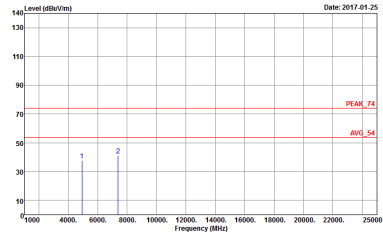
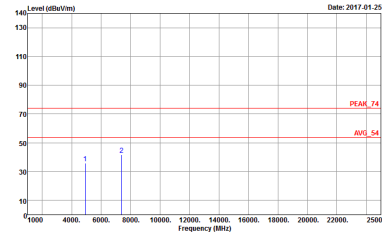
**2.4GHz 2400~2483.5MHz  
WIFI 802.11n HT20 (Harmonic @ 3m)**

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Vertical
<b>Peak</b> <b>Avg.</b>	<p>Site : 03CH10-1FY Condition : PEAK_74 3m HORN_9170_40G_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 14</p>	<p>Site : 03CH10-1FY Condition : PEAK_74 3m HORN_9170_40G_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 14</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 15</p>	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 15</p>

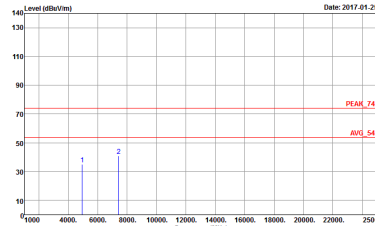
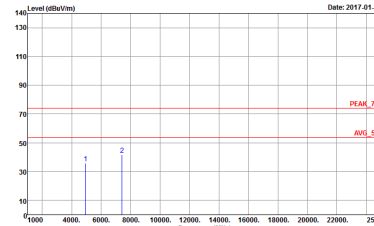


WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 16</p>	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 16</p>



<b>WIFI</b>	<b>2.4GHz 2400~2483.5MHz Harmonic @ 3m</b>	
<b>ANT</b>	<b>802.11n HT20 CH12 2462MHz</b>	
<b>1</b>	<b>Horizontal</b>	<b>Vertical</b>
<b>Peak Avg.</b>	<p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 17</p>	<p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 17</p>



WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Horizontal	Vertical
Peak Avg.	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 HORIZONTAL Detector : Peak Project : 662705-01 Mode : 18</p>	 <p>Site : 03CH10-1Y Condition : PEAK_74 3m HORN_9170_406_0584 VERTICAL Detector : Peak Project : 662705-01 Mode : 18</p>



2.4GHz 2400~2483.5MHz

Emission below 1GHz

2.4GHz WIFI 802.11n HT20 (LF)

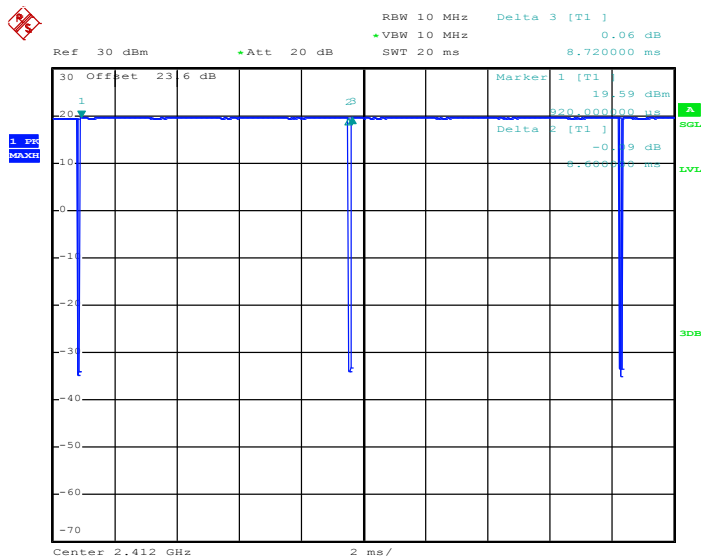
WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11n HT20 LF	
1	Horizontal	Vertical
QP / Peak	<p>Site : 03CH10-HY            Condition : QP 3m BT-LOG 6111D-LF HORIZONTAL            Detector : Peak            Project : 662705-01            Mode : 20</p>	<p>Site : 03CH10-HY            Condition : QP 3m BT-LOG 6111D-LF VERTICAL            Detector : Peak            Project : 662705-01            Mode : 20</p>



## Appendix D. Duty Cycle Plots

Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
802.11b	98.62	-	-	10Hz
802.11g	92.11	1400	0.714285714	1kHz
2.4GHz 802.11n HT20	91.67	0.757575758	1kHz	

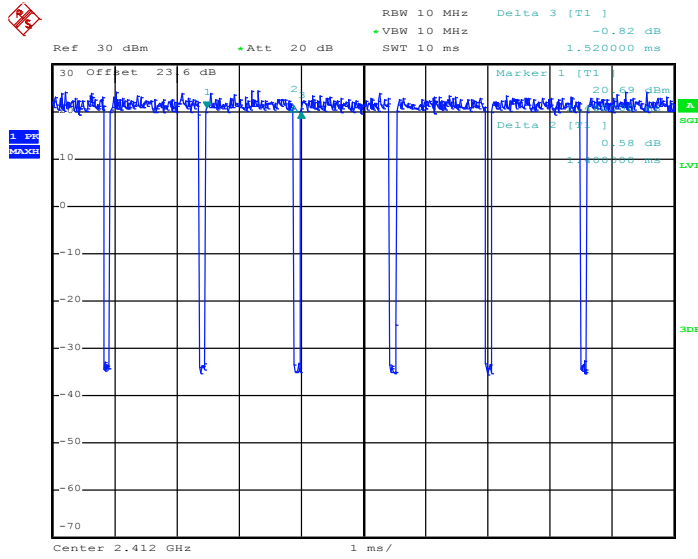
### 802.11b



Date: 18.JAN.2017 01:11:29

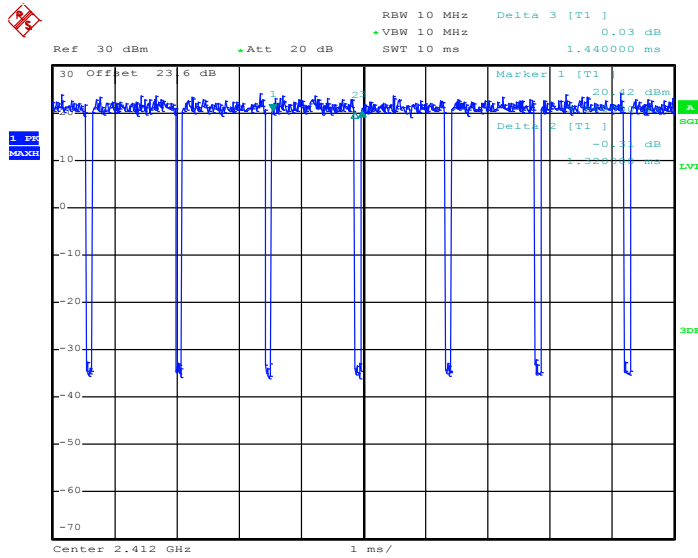


### 802.11g



Date: 18.JAN.2017 01:15:57

### 802.11n HT20



Date: 18.JAN.2017 01:23:13