FCC RF Test Report

APPLICANT	**:**	**Blancopage LLC**
EQUIPMENT	**:**	**Tablet PC**
MODEL NAME	**:**	**SX034QT**
FCC ID	**:**	**2AIP4-4639**
STANDARD	**:**	**FCC Part 15 Subpart C §15.247**
CLASSIFICATION	**:**	**(DTS) Digital Transmission System**

The testing was completed on Dec. 06, 2016. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

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

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

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

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR671335-01C	Rev. 01	Initial issue of report	Jan. 23, 2017
FR671335-01C	Rev. 02	Adding duty cycle plots for output power measurement in appendix d.	Feb. 08, 2017

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result
3.1	15.247(a)(2)	6dB Bandwidth	≥ 0.5MHz	Pass
3.1	-	99% Bandwidth	-	Pass
3.2	15.247(b)	Power Output Measurement	≤ 30dBm	Pass
3.3	15.247(e)	Power Spectral Density	≤ 8dBm/3kHz	Pass
3.4	15.247(d)	Conducted Band Edges	≤ 20dBc	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

Blancopage LLC
520 White Plains Road, Suite 500, Tarrytown, New York 1059

1.2 Product Feature of Equipment Under Test

Product Feature	
Equipment	Tablet PC
Model Name	SX034QT
FCC ID	2AIP4-4639
EUT supports Radios application	WLAN 11b/g/n HT20 WLAN 11a/n HT20/HT40 Bluetooth BR/EDR/LE

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 : 16.64 dBm (0.0461 W) 802.11g : 23.03 dBm (0.2009 W) 802.11n HT20 : 23.11 dBm (0.2046 W)
99% Occupied Bandwidth	802.11b : 14.55MHz 802.11g : 17.85MHz 802.11n HT20 : 18.40MHz
Antenna Type / Gain	Fixed internal Antenna type with gain 1.57 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. TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

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

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

Test Site	SPORTON INTERNATIONAL INC.
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH12-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 (X 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

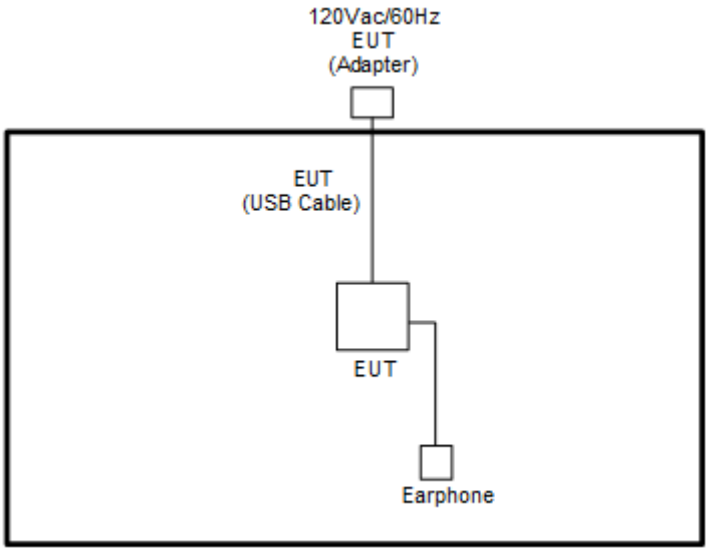
Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates as below table.

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

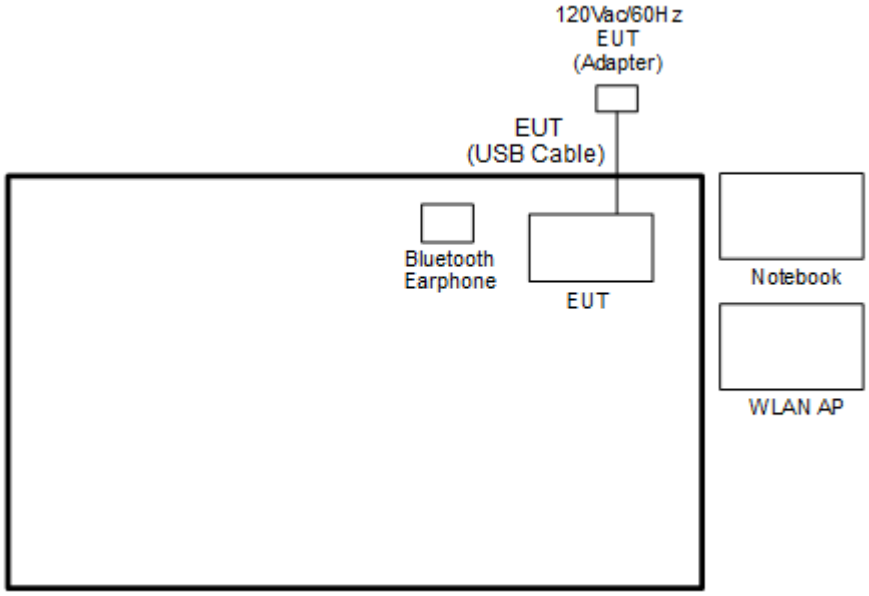
Test Cases	
AC Conducted Emission	Mode 1 : WLAN (2.4GHz) Link + Bluetooth Link + MPEG4 + USB Cable (Charging from Adapter) + MicroSD Card

2.3 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.4 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
4.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
5.	Earphone	N/A	N/A	N/A	Unshielded, 1.15m	N/A

2.5 EUT Operation Test Setup

For WLAN function, programmed RF utility, “CMD” installed in the setup 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.

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 4.2 + 10 = 14.2 (dB)

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.

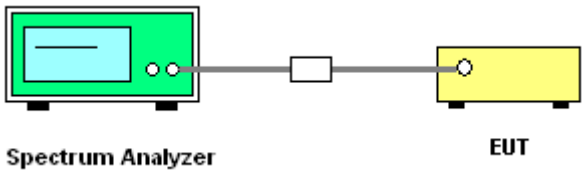
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

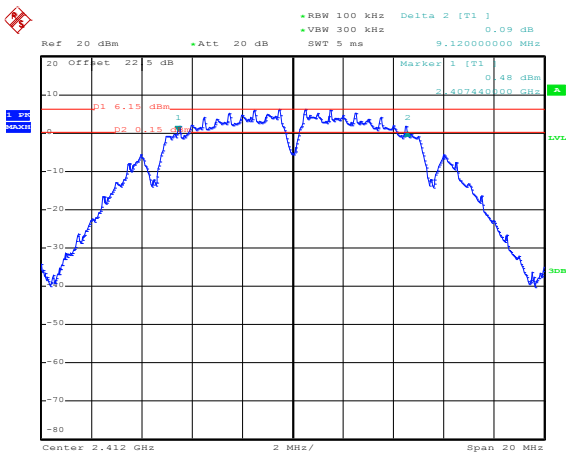
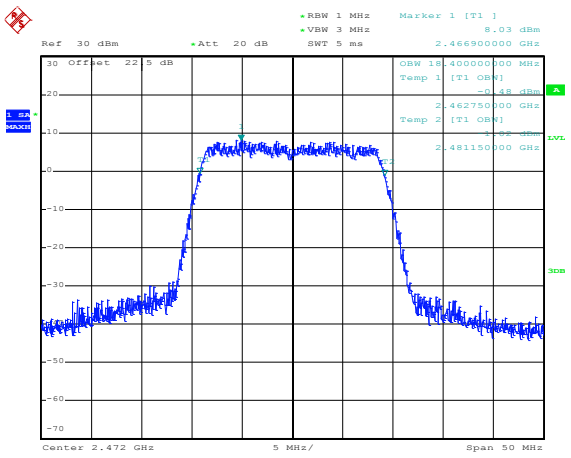
1. The testing follows FCC KDB Publication No. 558074 DTS D01 Meas. Guidance v03r05.
2. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
3. Set to the maximum power setting and enable the EUT transmit 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.

Minimum 6dB Bandwidth	Maximum 99% Occupied Bandwidth
	

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.

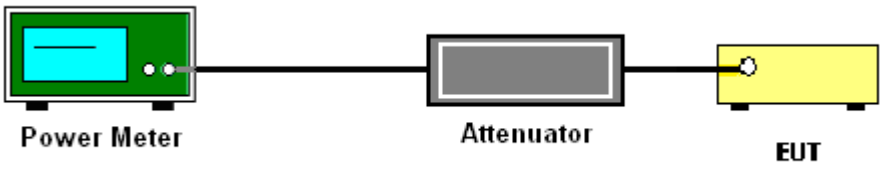
3.2.2 Measuring Instruments

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.

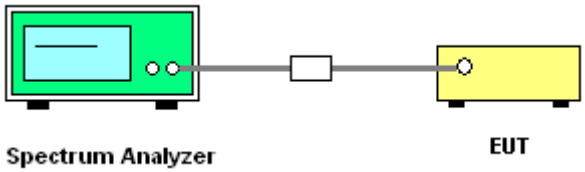
3.3.2 Measuring Instruments

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.

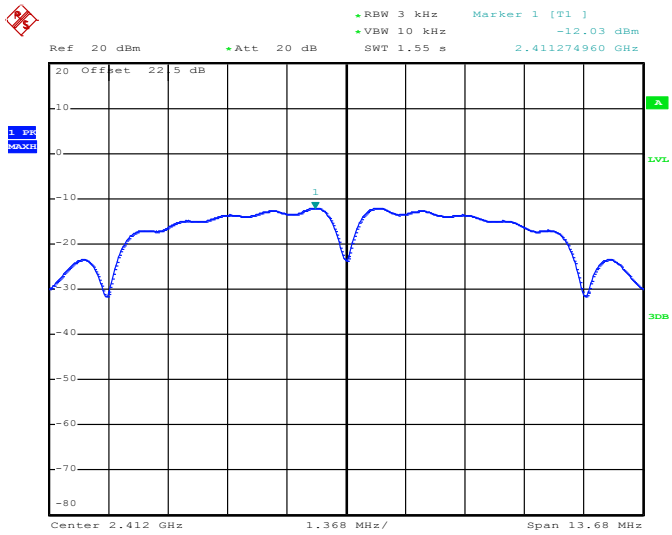
3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A.

Worst Case Power Density (dBm/3kHz)



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).

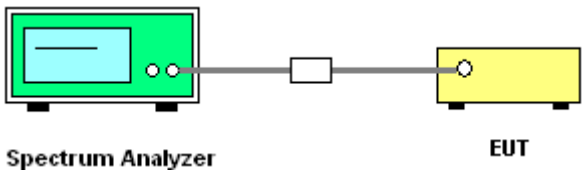
3.4.2 Measuring Instruments

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

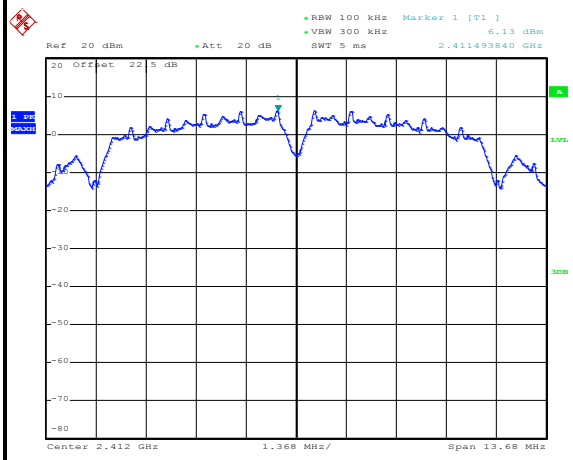


3.4.5 Test Result of Conducted Band Edges and Spurious Emission

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

100kHz PSD reference Level



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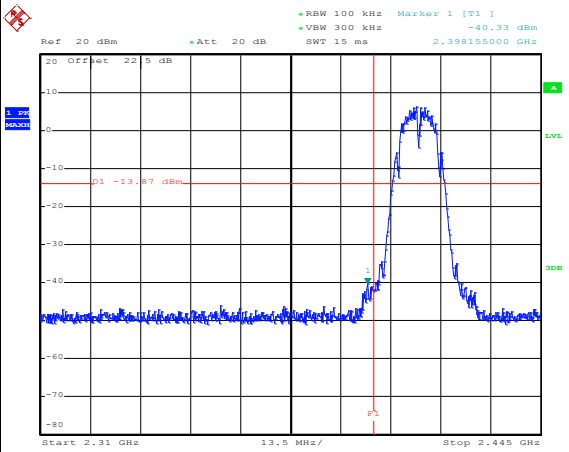
Low Channel Plot



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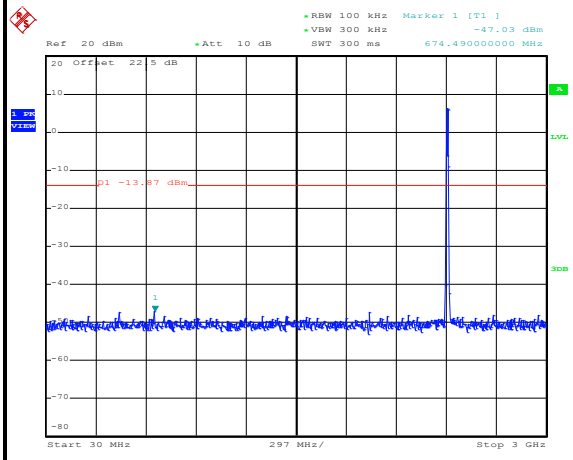
Spurious Emission 30MHz~3GHz



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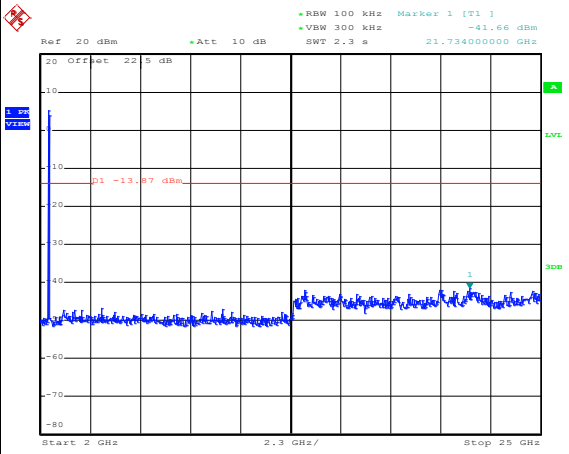
Spurious Emission 2GHz~25GHz



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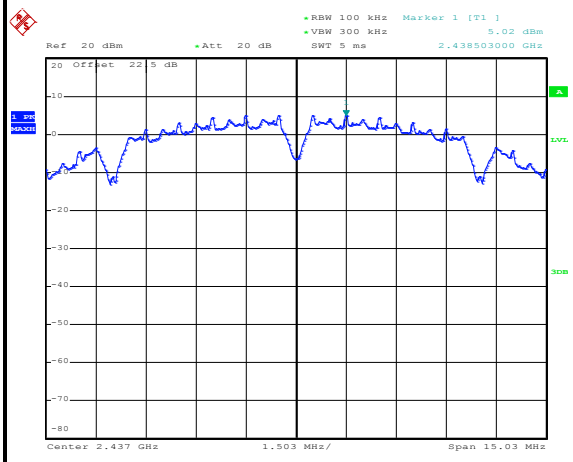
Test Mode :	802.11b	**Temperature :**	21~25°C
Test Band :	2.4GHz Mid	**Relative Humidity :**	51~54%
Test Channel :	06	**Test Engineer :**	Derek Hsu

WLAN 802.11b Channel 06

100kHz PSD reference Level



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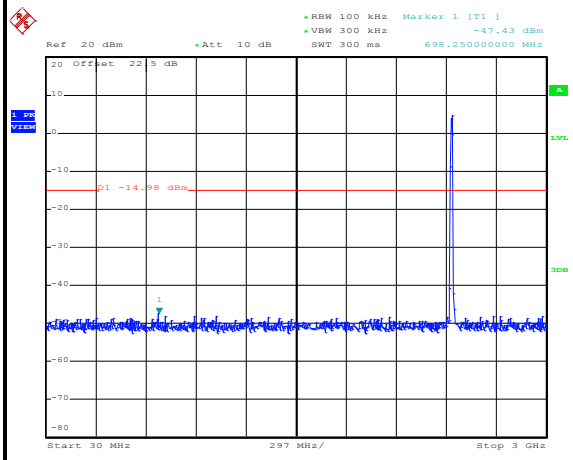
Spurious Emission 30MHz~3GHz



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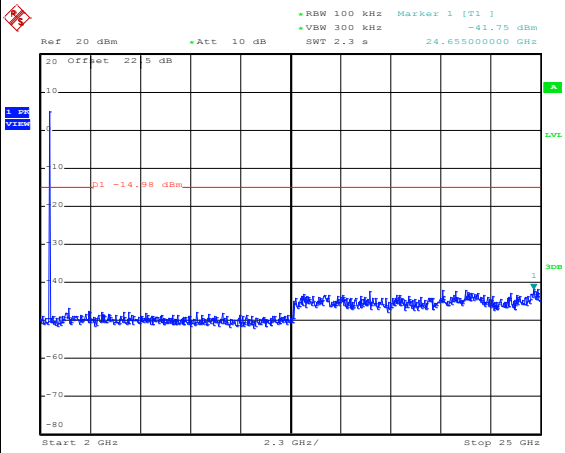
Spurious Emission 2GHz~25GHz



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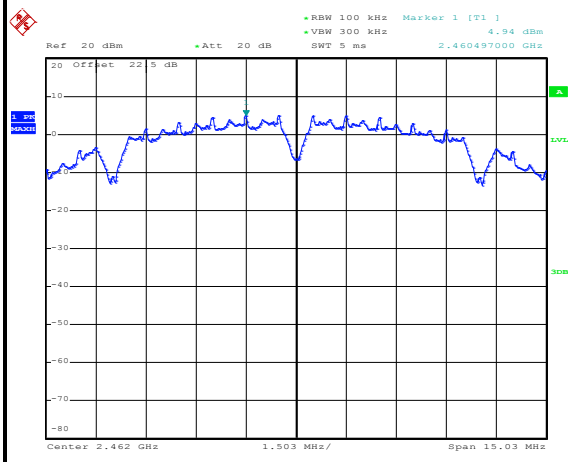
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Derek Hsu

WLAN 802.11b Channel 11

100kHz PSD reference Level



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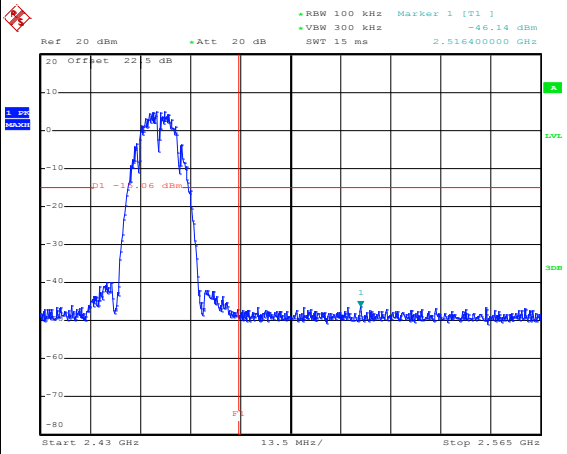
High Channel Plot



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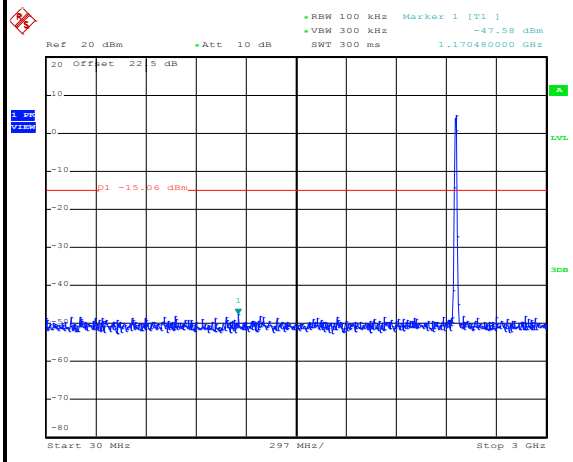
Spurious Emission 30MHz~3GHz



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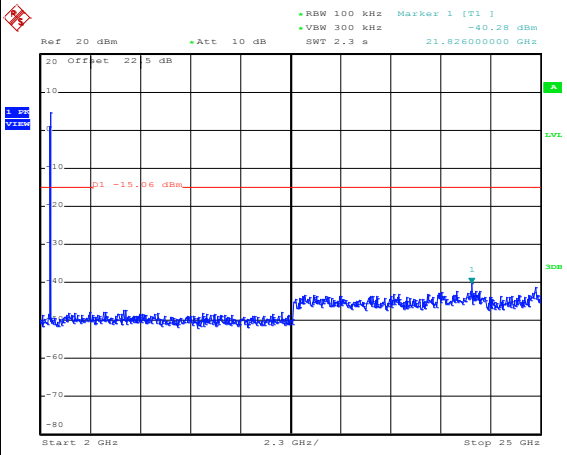
Spurious Emission 2GHz~25GHz



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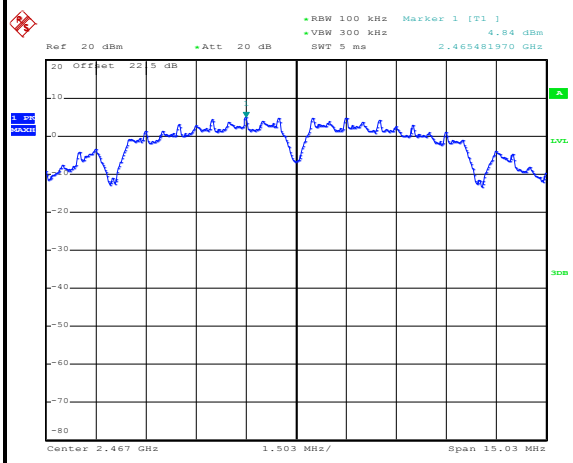
Test Mode :	802.11b	**Temperature :**	21~25°C
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	12	**Test Engineer :**	Derek Hsu

WLAN 802.11b Channel 12

100kHz PSD reference Level



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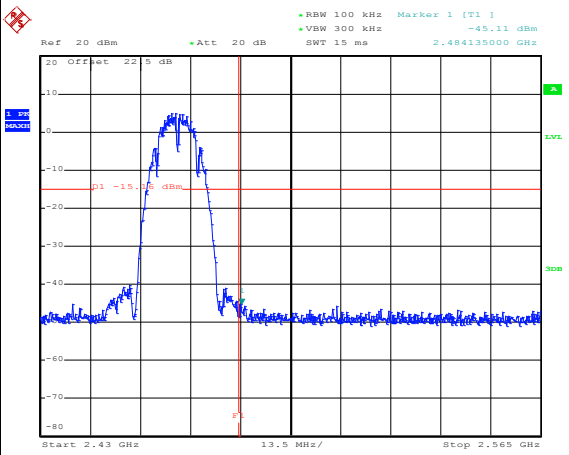
Low Channel Plot



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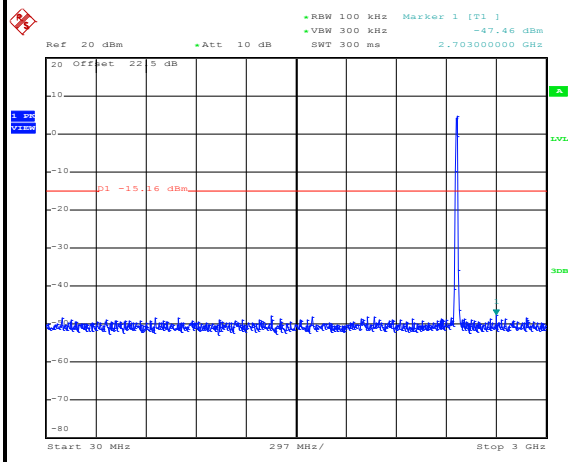
Spurious Emission 30MHz~3GHz



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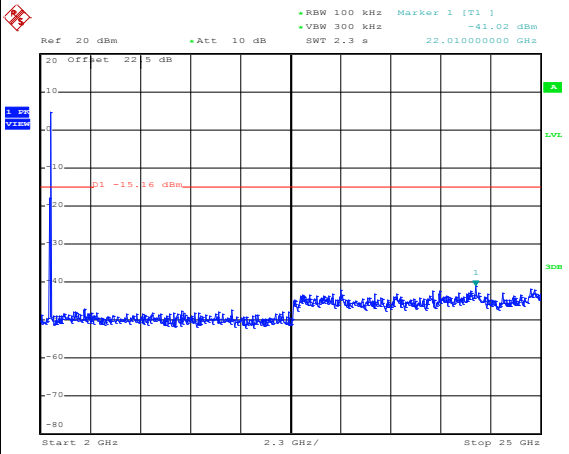
Spurious Emission 2GHz~25GHz



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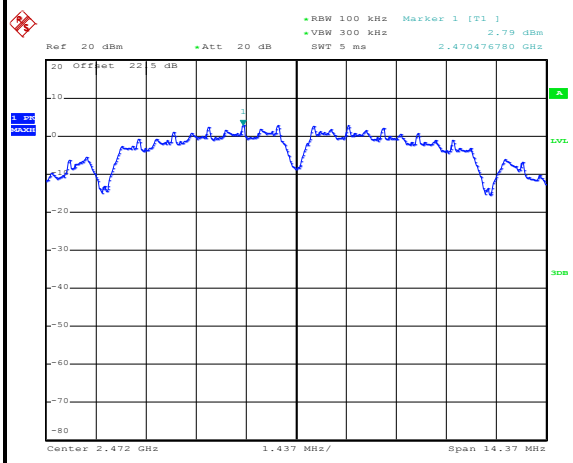
Test Mode :	802.11b	**Temperature :**	21~25°C
Test Band :	2.4GHz High	**Relative Humidity :**	51~54%
Test Channel :	13	**Test Engineer :**	Derek Hsu

WLAN 802.11b Channel 13

100kHz PSD reference Level



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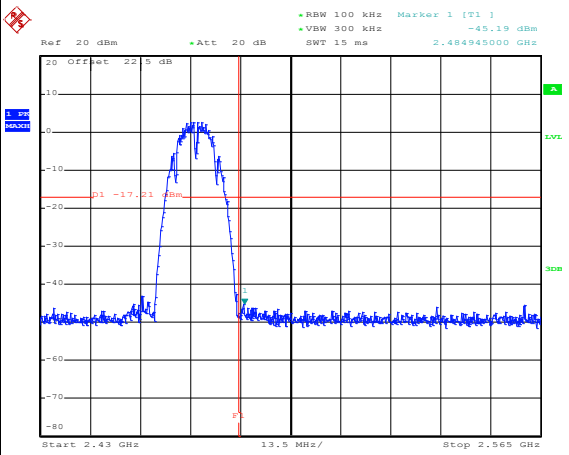
Low Channel Plot



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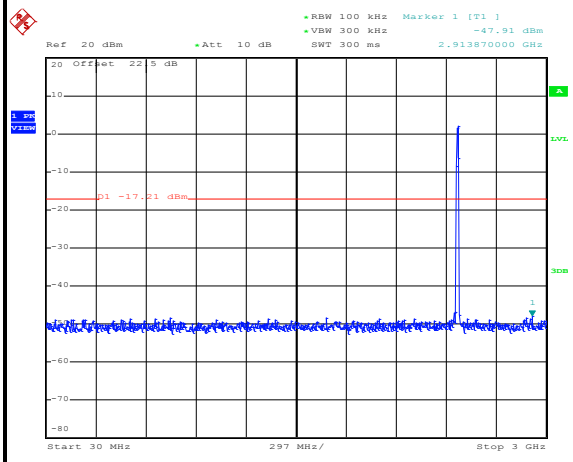
Spurious Emission 30MHz~3GHz



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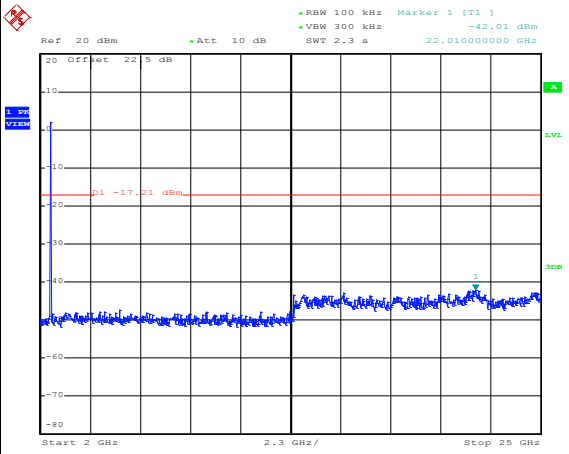
Spurious Emission 2GHz~25GHz



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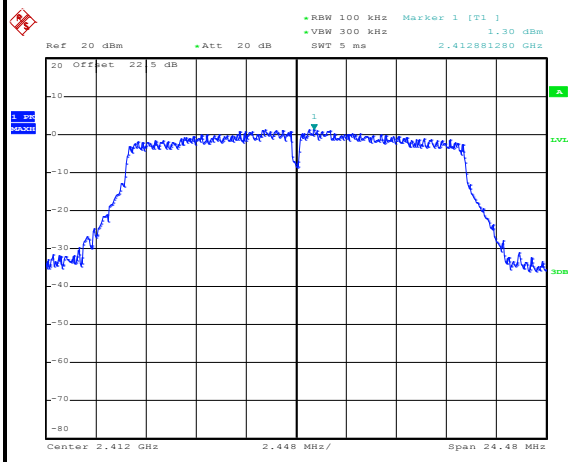
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Derek Hsu

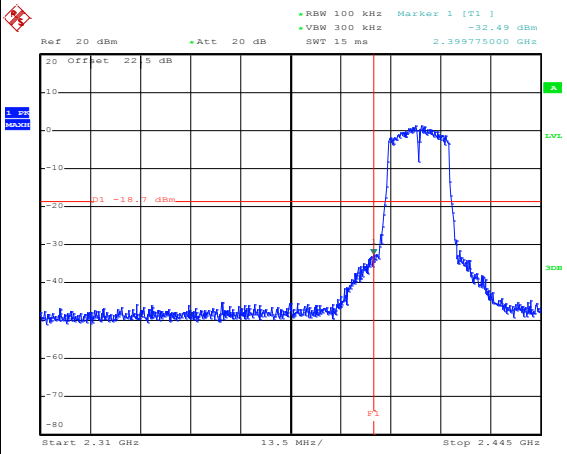
WLAN 802.11g Channel 01

100kHz PSD reference Level



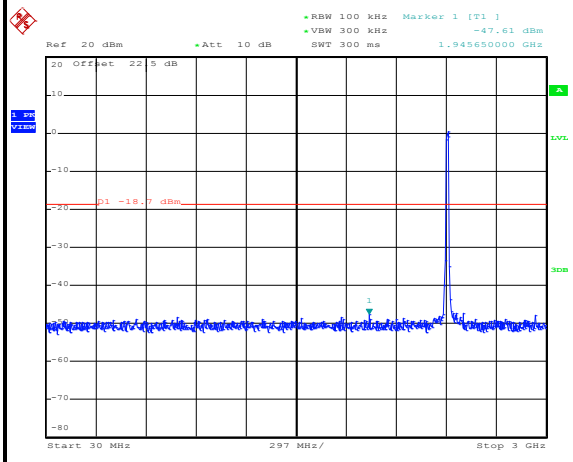
Date: 5.DEC.2016 22:59:47

Low Channel Plot



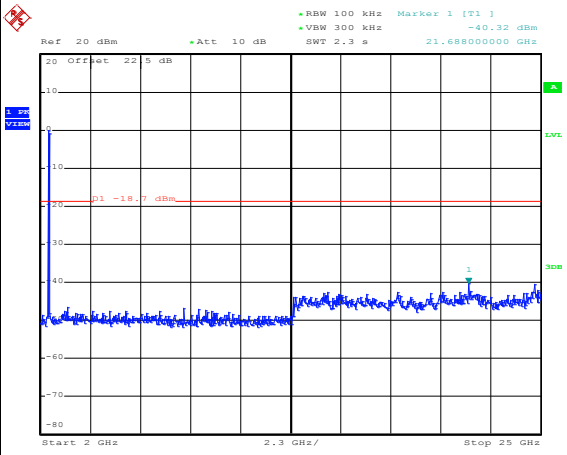
Date: 5.DEC.2016 22:59:56

Spurious Emission 30MHz~3GHz



Date: 5.DEC.2016 23:00:08

Spurious Emission 2GHz~25GHz

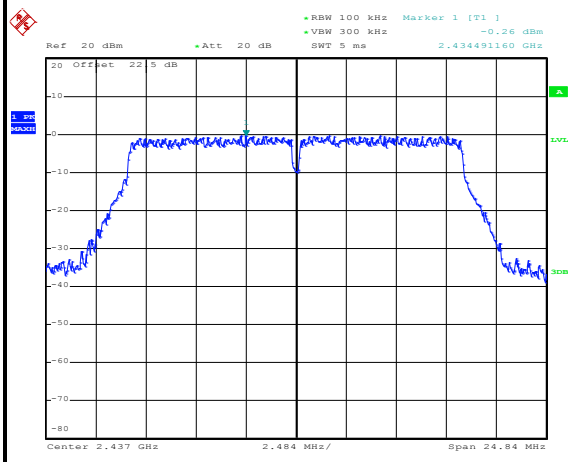


Date: 5.DEC.2016 23:00:16

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

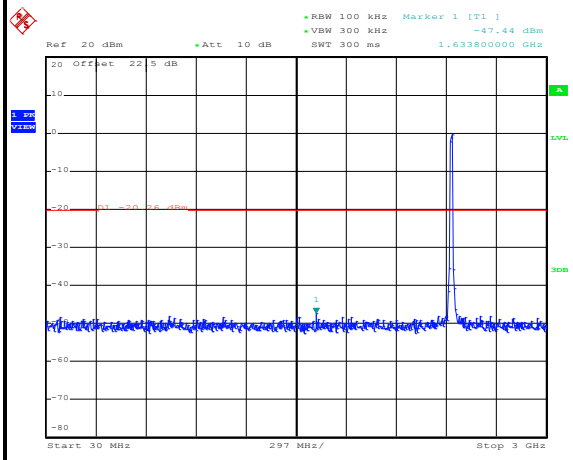
WLAN 802.11g Channel 06

100kHz PSD reference Level



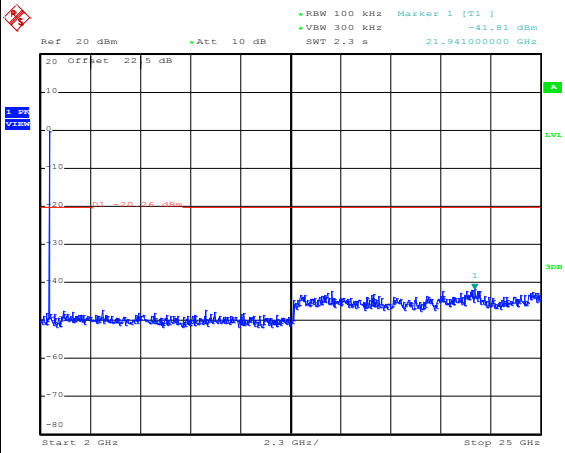
Date: 5.DEC.2016 23:02:53

Spurious Emission 30MHz~3GHz



Date: 5.DEC.2016 23:03:06

Spurious Emission 2GHz~25GHz

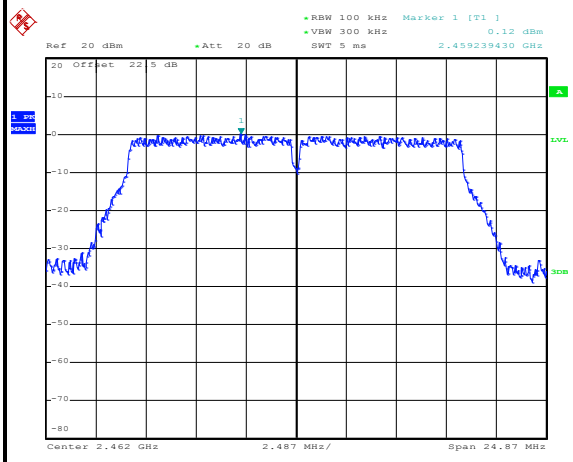


Date: 5.DEC.2016 23:03:15

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

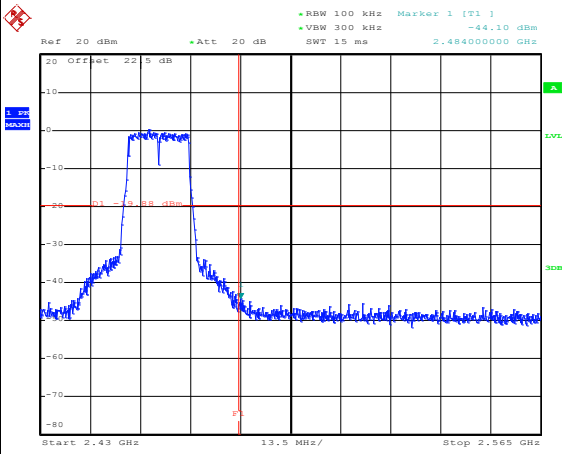
WLAN 802.11g Channel 11

100kHz PSD reference Level



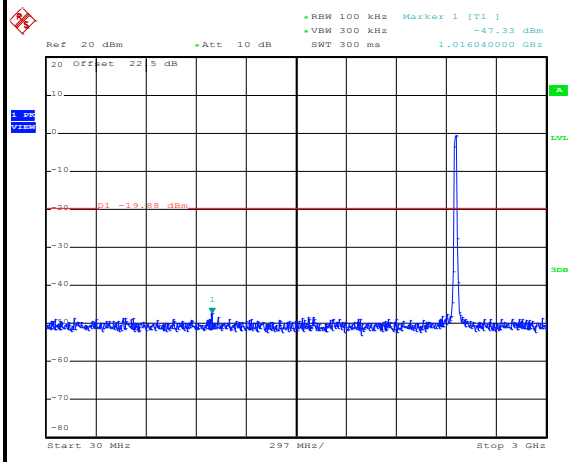
Date: 5.DEC.2016 23:05:35

High Channel Plot



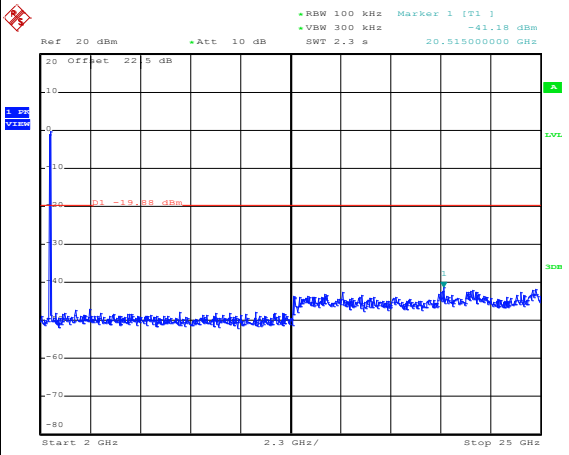
Date: 5.DEC.2016 23:05:44

Spurious Emission 30MHz~3GHz



Date: 5.DEC.2016 23:05:57

Spurious Emission 2GHz~25GHz

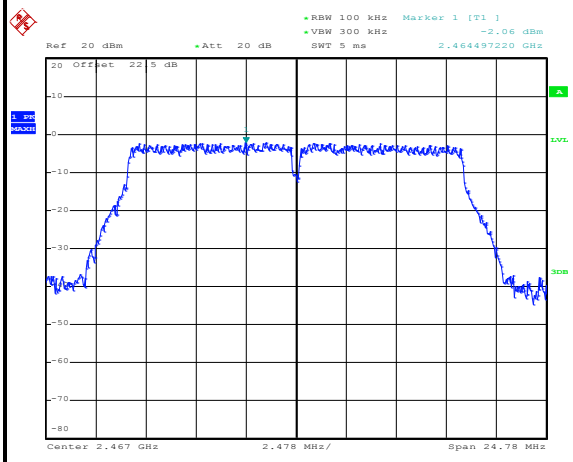


Date: 5.DEC.2016 23:06:06

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

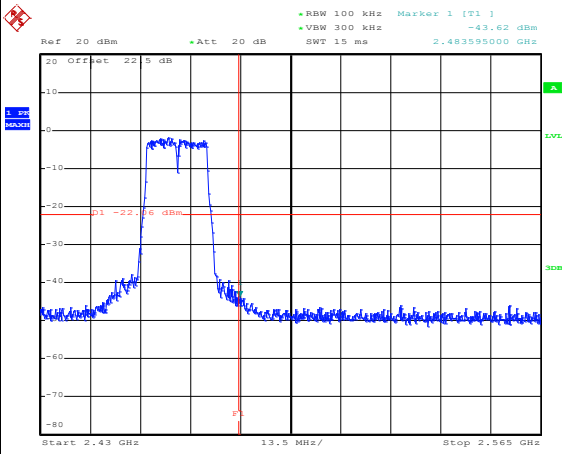
WLAN 802.11g Channel 12

100kHz PSD reference Level



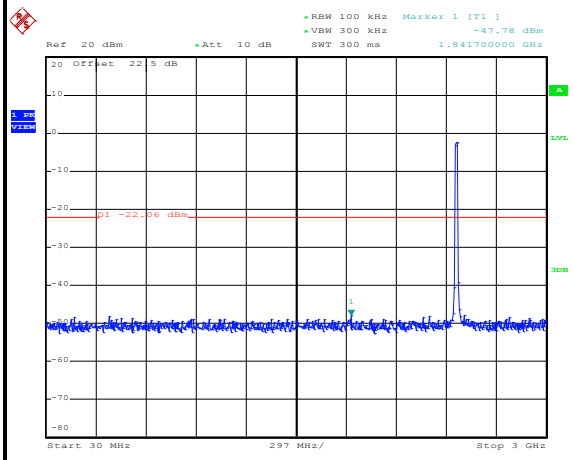
Date: 5.DEC.2016 23:07:37

High Channel Plot



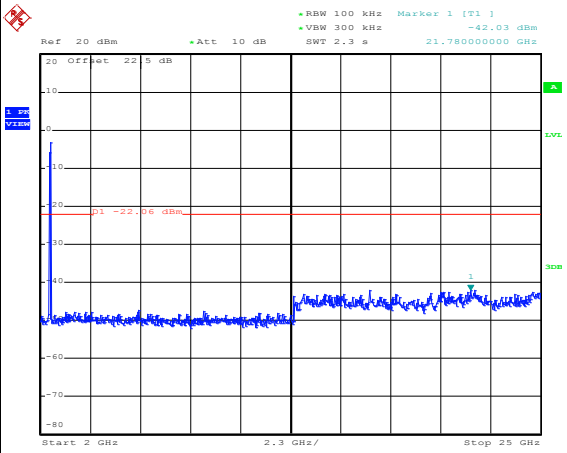
Date: 5.DEC.2016 23:07:48

Spurious Emission 30MHz~3GHz



Date: 5.DEC.2016 23:08:08

Spurious Emission 2GHz~25GHz

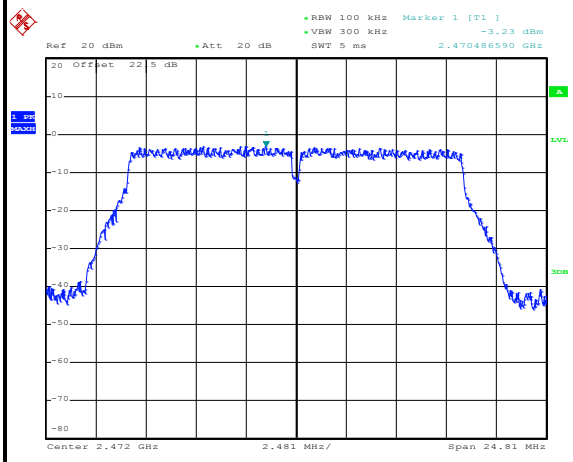


Date: 5.DEC.2016 23:08:16

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

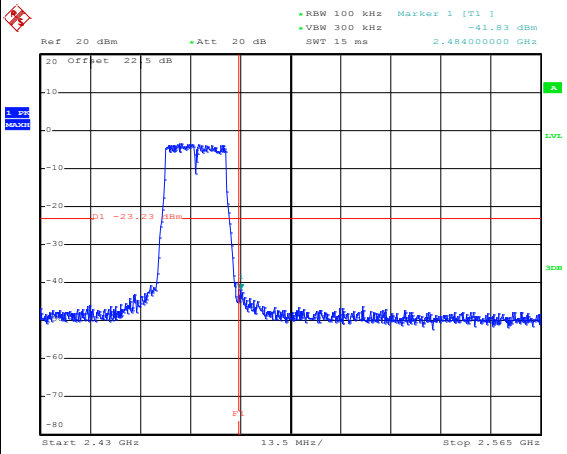
WLAN 802.11g Channel 13

100kHz PSD reference Level



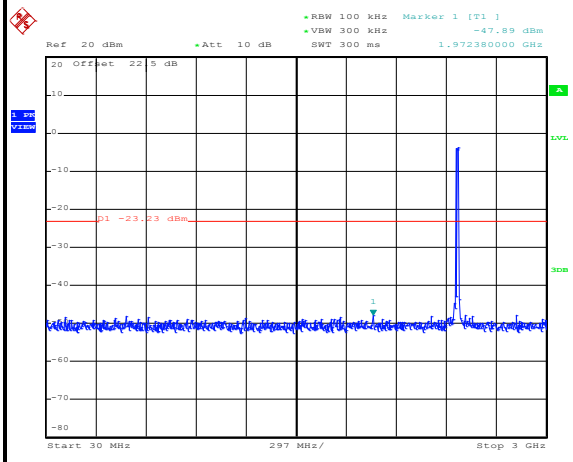
Date: 5.DEC.2016 23:12:14

High Channel Plot



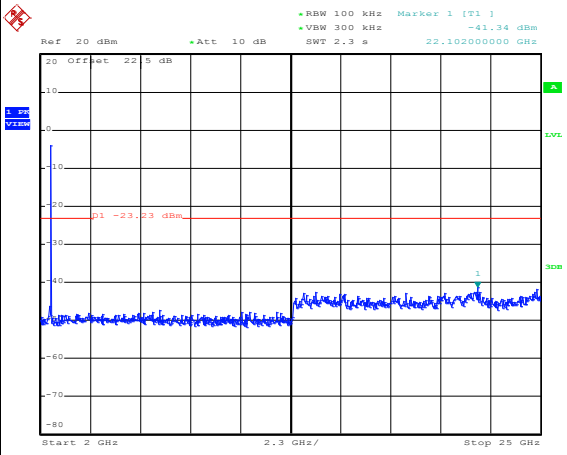
Date: 5.DEC.2016 23:12:26

Spurious Emission 30MHz~3GHz



Date: 5.DEC.2016 23:12:37

Spurious Emission 2GHz~25GHz

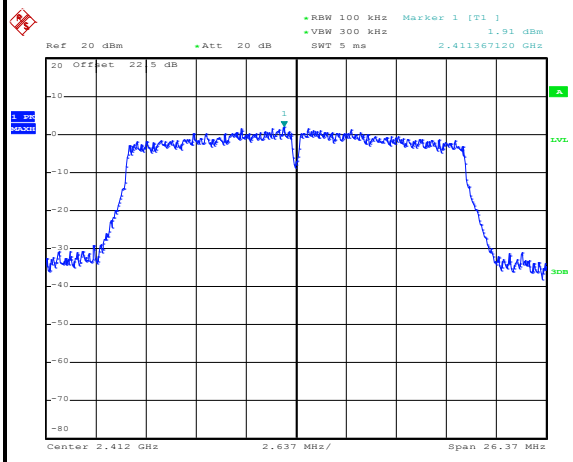


Date: 5.DEC.2016 23:12:45

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



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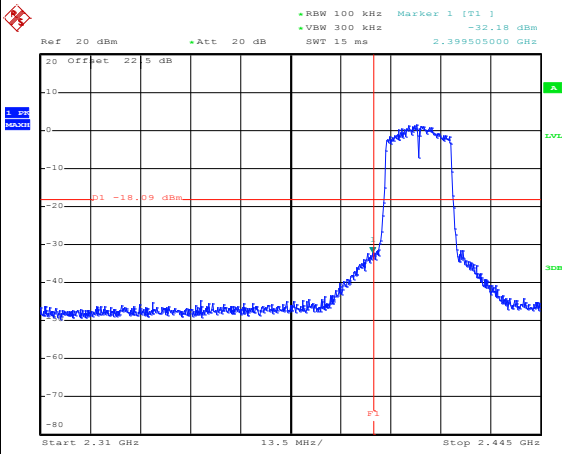
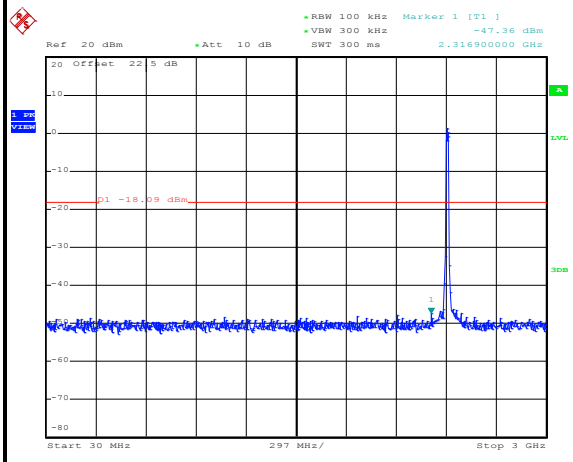
Low Channel Plot



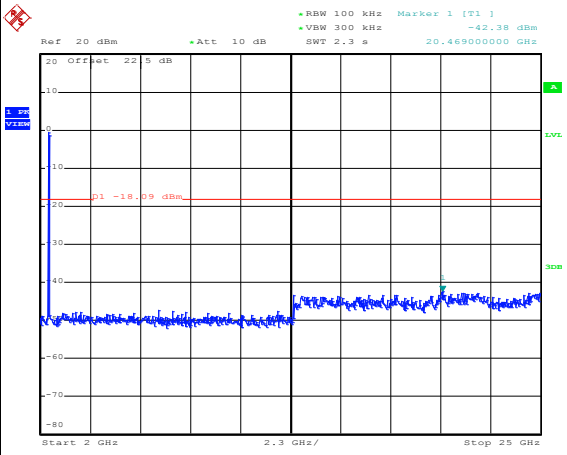
Date: 5.DEC.2016 23:15:04

Spurious Emission 30MHz~3GHz



Date: 5.DEC.2016 23:35:58

Spurious Emission 2GHz~25GHz

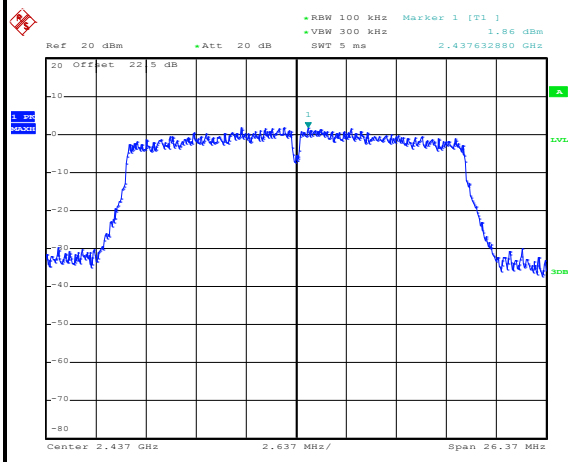


Date: 5.DEC.2016 23:36:07

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

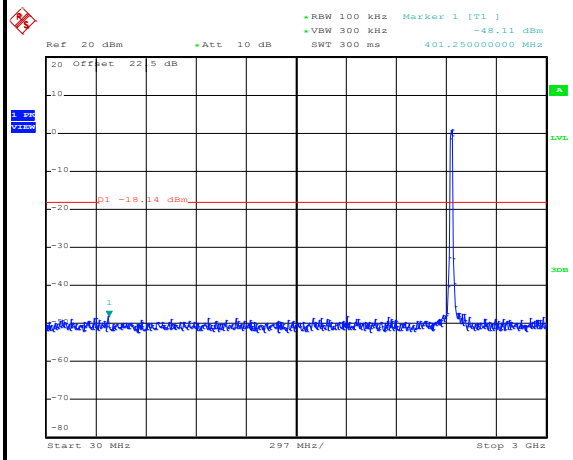
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level



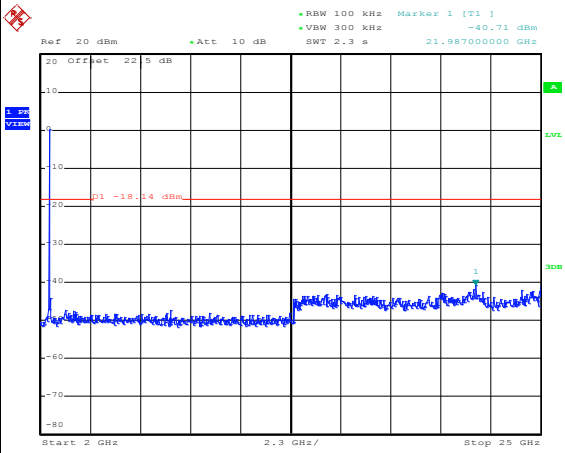
Date: 5.DEC.2016 23:17:21

Spurious Emission 30MHz~3GHz



Date: 5.DEC.2016 23:17:32

Spurious Emission 2GHz~25GHz

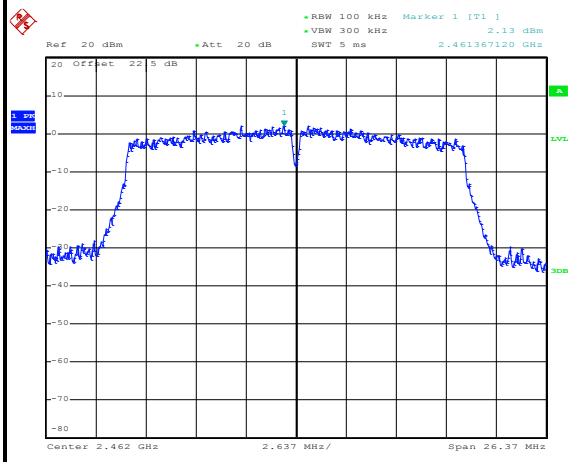


Date: 5.DEC.2016 23:17:40

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

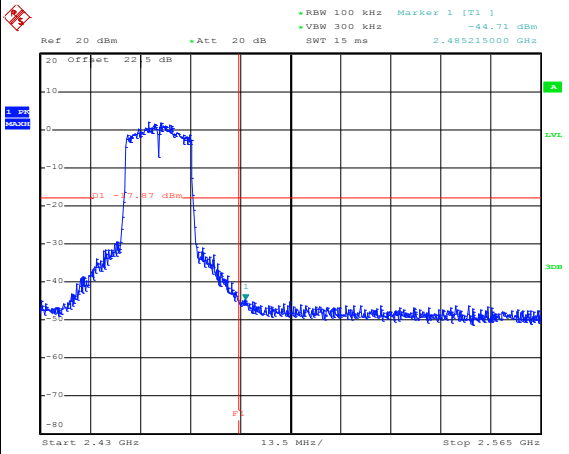
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



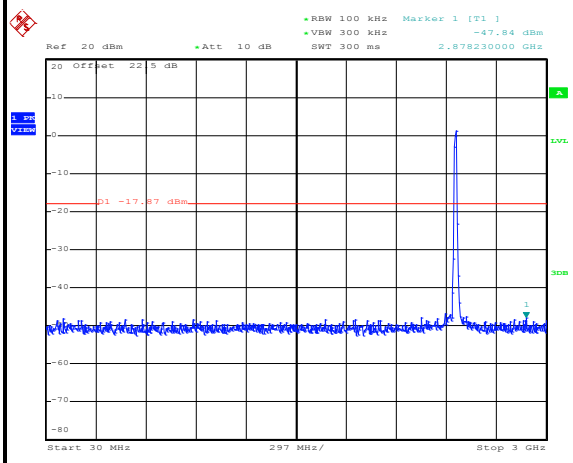
Date: 5.DEC.2016 23:19:47

High Channel Plot



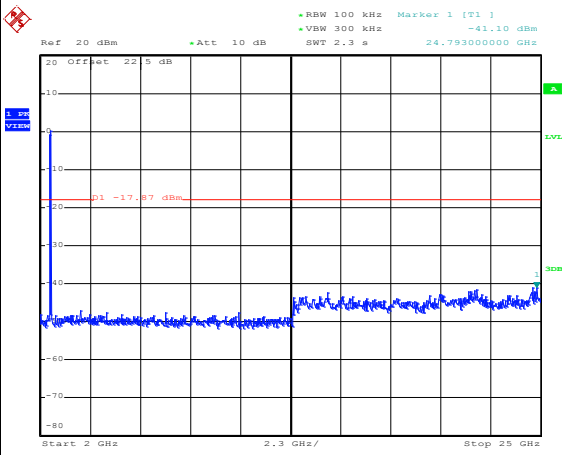
Date: 5.DEC.2016 23:20:00

Spurious Emission 30MHz~3GHz



Date: 5.DEC.2016 23:20:31

Spurious Emission 2GHz~25GHz

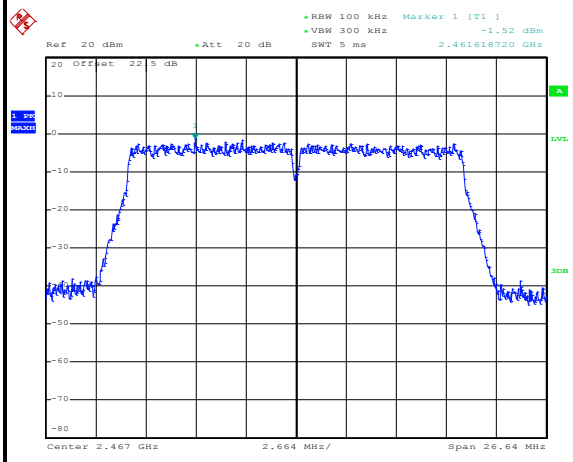


Date: 5.DEC.2016 23:20:40

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

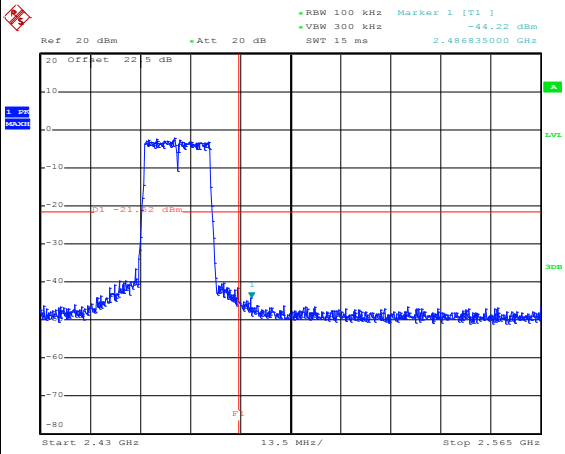
WLAN 802.11n HT20 Channel 12

100kHz PSD reference Level



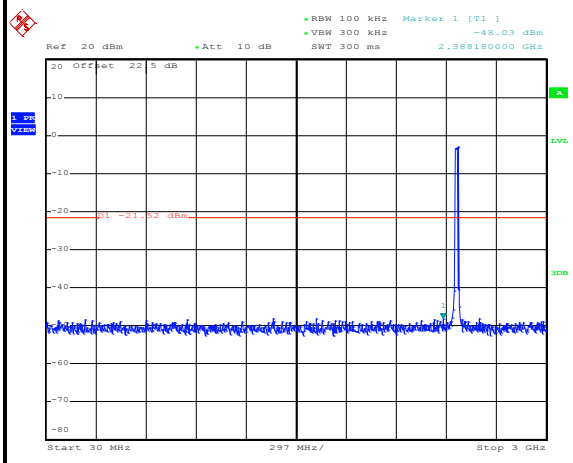
Date: 5.DEC.2016 23:22:12

High Channel Plot



Date: 5.DEC.2016 23:22:23

Spurious Emission 30MHz~3GHz



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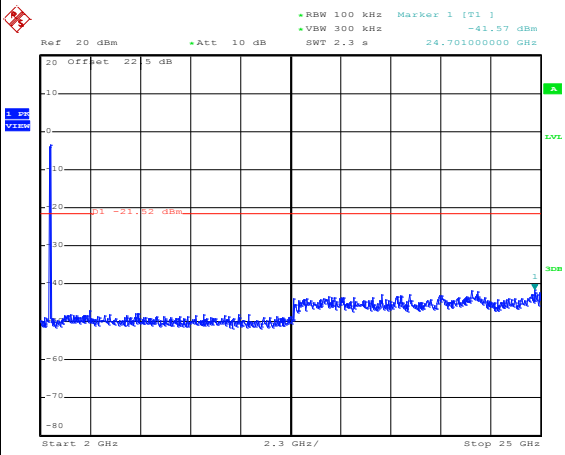
Spurious Emission 2GHz~25GHz

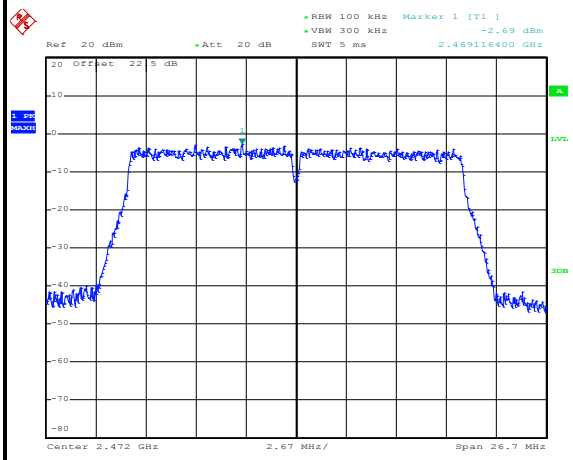


Date: 5.DEC.2016 23:37:36

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

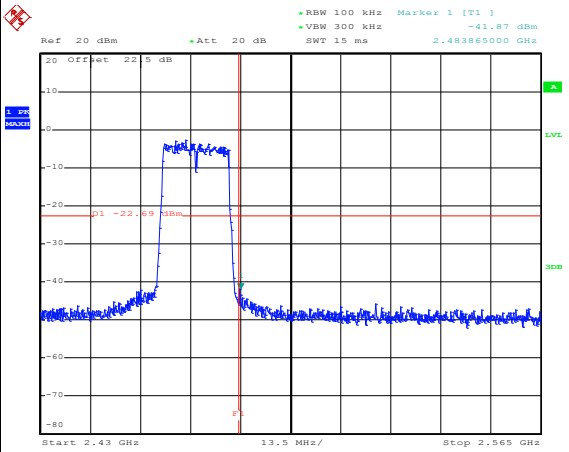
WLAN 802.11n HT20 Channel 13

100kHz PSD reference Level



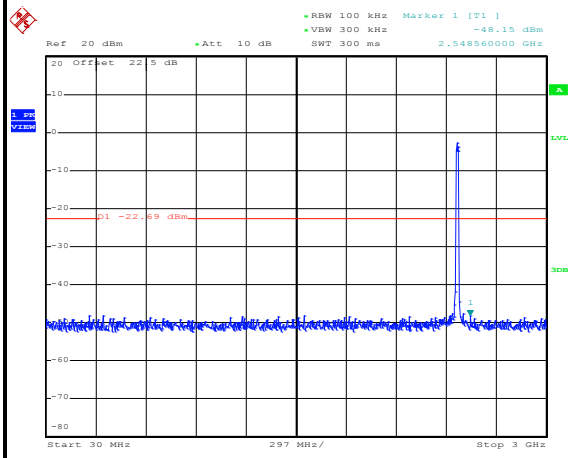
Date: 5.DEC.2016 23:25:25

High Channel Plot



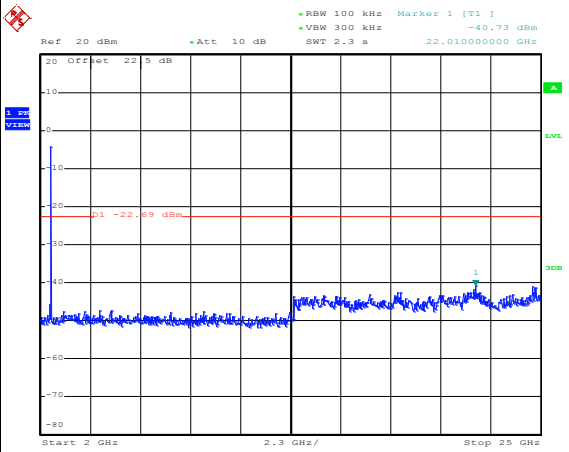
Date: 5.DEC.2016 23:25:34

Spurious Emission 30MHz~3GHz



Date: 5.DEC.2016 23:25:46

Spurious Emission 2GHz~25GHz



Date: 5.DEC.2016 23:25:55

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

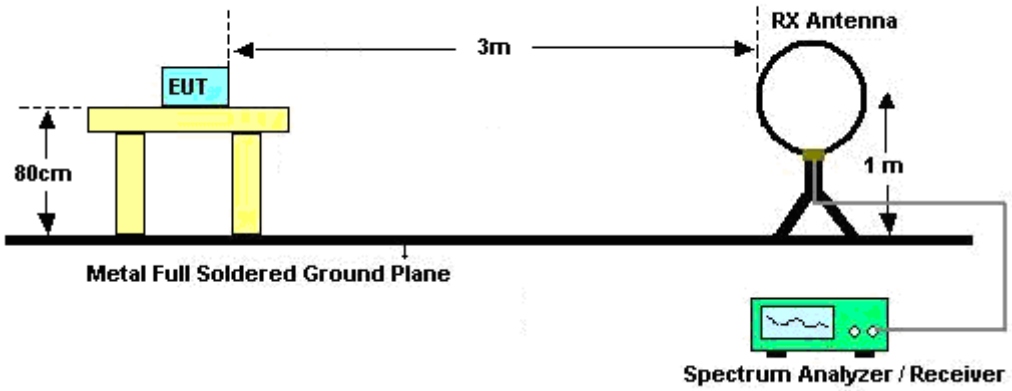
The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

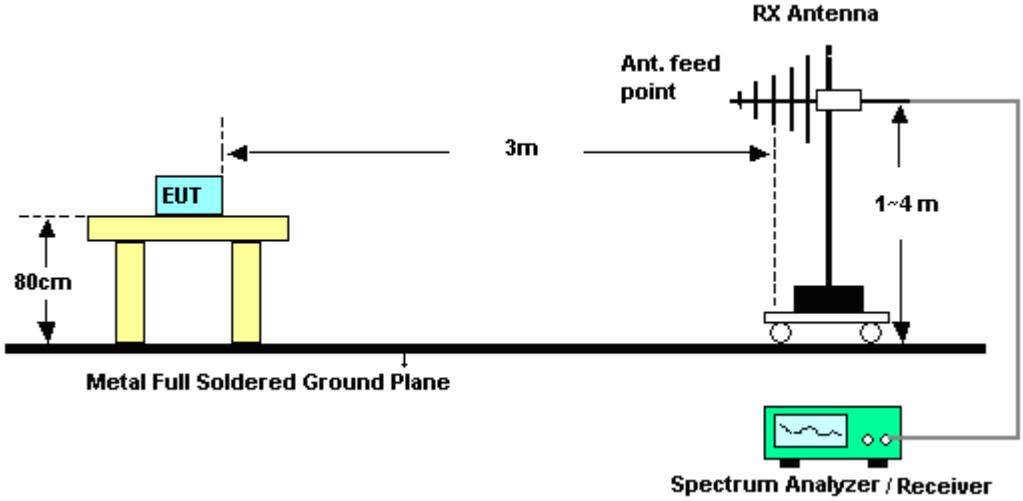
1. The testing follows FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r05.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the 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 ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold;
   (3) Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement.
   For average measurement:
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 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

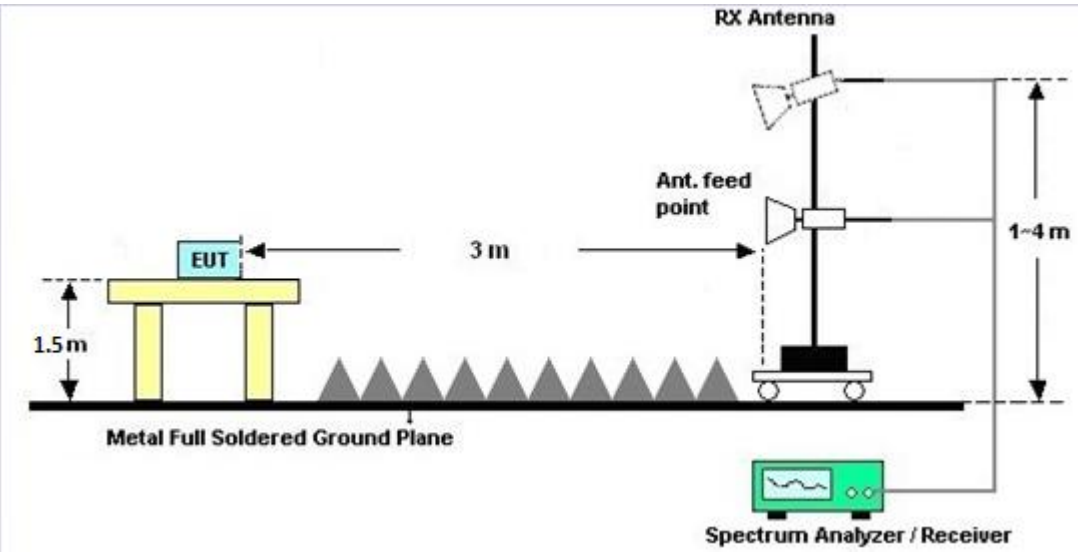
For radiated emissions below 30MHz



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 ~ 10th 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 (dBμV)	
	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.

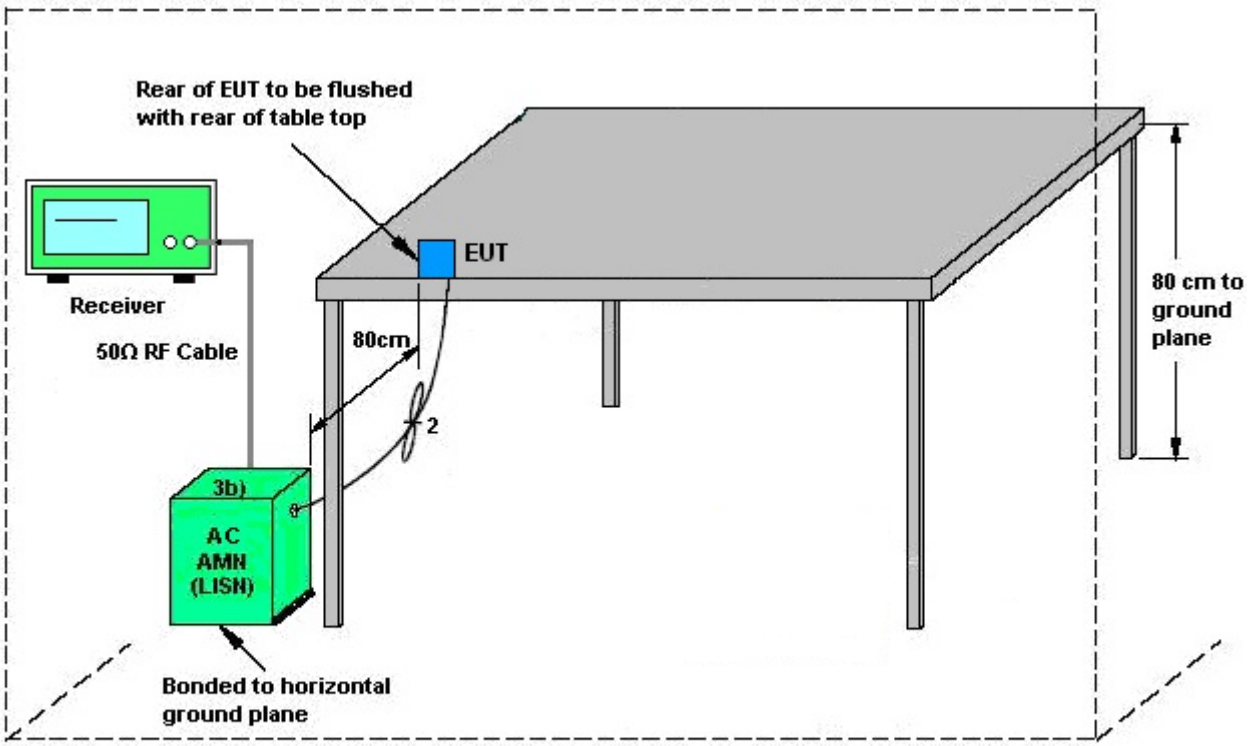
3.6.2 Measuring Instruments

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.

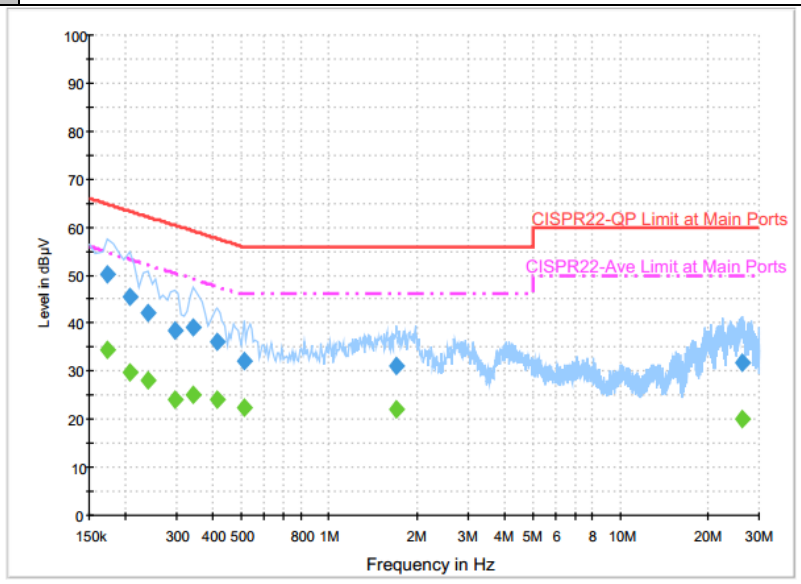
3.6.4 Test Setup



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

3.6.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	**Temperature :**	23~24℃
Test Engineer :	Kai-Chun Chu	**Relative Humidity :**	50~51%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	WLAN (2.4GHz) Link + Bluetooth Link + MPEG4 + USB Cable (Charging from Adapter) + MicroSD Card		



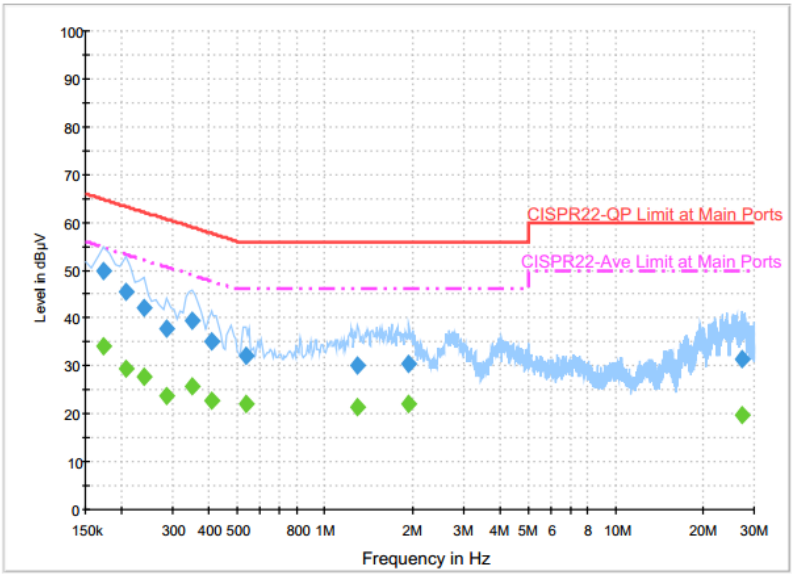
Final Result : Quasi-Peak

Frequency (MHz)	Quasi-Peak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	50.1	Off	L1	19.6	14.7	64.8
0.206000	45.6	Off	L1	19.6	17.8	63.4
0.238000	42.3	Off	L1	19.6	19.9	62.2
0.294000	38.4	Off	L1	19.6	22.0	60.4
0.342000	39.2	Off	L1	19.6	20.0	59.2
0.414000	36.1	Off	L1	19.6	21.5	57.6
0.510000	32.2	Off	L1	19.6	23.8	56.0
1.702000	31.2	Off	L1	19.7	24.8	56.0
26.270000	31.7	Off	L1	21.0	28.3	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	34.5	Off	L1	19.6	20.3	54.8
0.206000	29.8	Off	L1	19.6	23.6	53.4
0.238000	28.1	Off	L1	19.6	24.1	52.2
0.294000	24.1	Off	L1	19.6	26.3	50.4
0.342000	25.1	Off	L1	19.6	24.1	49.2
0.414000	23.9	Off	L1	19.6	23.7	47.6
0.510000	22.4	Off	L1	19.6	23.6	46.0
1.702000	22.2	Off	L1	19.7	23.8	46.0
26.270000	20.2	Off	L1	21.0	29.8	50.0

Test Mode :	Mode 1	Temperature :	23~24℃
Test Engineer :	Kai-Chun Chu	Relative Humidity :	50~51%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN (2.4GHz) Link + Bluetooth Link + MPEG4 + USB Cable (Charging from Adapter) + MicroSD Card		



Final Result : Quasi-Peak

Frequency (MHz)	Quasi-Peak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	50.0	Off	N	19.6	14.8	64.8
0.206000	45.6	Off	N	19.6	17.8	63.4
0.238000	42.0	Off	N	19.6	20.2	62.2
0.286000	37.9	Off	N	19.6	22.7	60.6
0.350000	39.5	Off	N	19.6	19.5	59.0
0.406000	35.1	Off	N	19.6	22.6	57.7
0.534000	32.0	Off	N	19.6	24.0	56.0
1.294000	30.0	Off	N	19.6	26.0	56.0
1.950000	30.6	Off	N	19.7	25.4	56.0
27.222000	31.5	Off	N	21.2	28.5	60.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	34.3	Off	N	19.6	20.5	54.8
0.206000	29.5	Off	N	19.6	23.9	53.4
0.238000	27.9	Off	N	19.6	24.3	52.2
0.286000	23.7	Off	N	19.6	26.9	50.6
0.350000	25.8	Off	N	19.6	23.2	49.0
0.406000	22.9	Off	N	19.6	24.8	47.7
0.534000	22.2	Off	N	19.6	23.8	46.0
1.294000	21.4	Off	N	19.6	24.6	46.0
1.950000	22.2	Off	N	19.7	23.8	46.0
27.222000	19.9	Off	N	21.2	30.1	50.0

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	Nov. 25, 2016 ~ Dec. 06, 2016	Sep. 28, 2017	Conducted (TH05-HY)
Power Sensor	Anritsu	MA2411B	0846202	300MHz~40GHz	Sep. 29, 2016	Nov. 25, 2016 ~ Dec. 06, 2016	Sep. 28, 2017	Conducted (TH05-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz-40GHz	Jul. 17, 2016	Nov. 25, 2016 ~ Dec. 06, 2016	Jul. 16, 2017	Conducted (TH05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Nov. 29, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2016	Nov. 29, 2016	Aug. 29, 2017	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 14, 2015	Nov. 29, 2016	Dec. 13, 2016	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Nov. 29, 2016 ~ Dec. 03, 2016	Sep. 01, 2017	Radiation (03CH12-HY)
Amplifier	SONOMA	310N	187312	9kHz~1GHz	Nov. 10, 2016	Nov. 29, 2016 ~ Dec. 03, 2016	Nov. 09, 2017	Radiation (03CH12-HY)
Spectrum Analyzer	Agilent	N9030A	MY52350276	3Hz~44GHz	Mar. 21, 2016	Nov. 29, 2016 ~ Dec. 03, 2016	Mar. 20, 2017	Radiation (03CH12-HY)
Bilog Antenna	TESEQ	CBL 6111D&00800N1D01N-06	37059&01	30MHz~1GHz	Oct. 15, 2016	Nov. 29, 2016 ~ Dec. 03, 2016	Oct. 14, 2017	Radiation (03CH12-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100390	20Hz~26.5GHz	Dec. 21, 2015	Nov. 29, 2016 ~ Dec. 03, 2016	Dec. 20, 2016	Radiation (03CH12-HY)
Preamplifier	MITEQ	TTA0204	1872107	2GHz~40GHz	Feb. 15, 2016	Nov. 29, 2016 ~ Dec. 03, 2016	Feb. 14, 2017	Radiation (03CH12-HY)
Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1328	1GHz ~ 18GHz	Oct. 25, 2016	Nov. 29, 2016 ~ Dec. 03, 2016	Oct. 24, 2017	Radiation (03CH12-HY)
Preamplifier	MITEQ	AMF-7D-00101800-30-10P	1815698	1GHz~18GHz	Dec. 14, 2015	Nov. 29, 2016 ~ Dec. 03, 2016	Dec. 13, 2016	Radiation (03CH12-HY)
Preamplifier	Keysight	83017A	MY53270148	1GHz~26.5GHz	Jan. 30, 2016	Nov. 29, 2016 ~ Dec. 03, 2016	Jan. 29, 2017	Radiation (03CH12-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1m~4m	N/A	Nov. 29, 2016 ~ Dec. 03, 2016	N/A	Radiation (03CH12-HY)
Turn Table	EMEC	TT2000	N/A	0~360 Degree	N/A	Nov. 29, 2016 ~ Dec. 03, 2016	N/A	Radiation (03CH12-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170576	18GHz ~ 40GHz	Apr. 15, 2016	Nov. 29, 2016 ~ Dec. 03, 2016	Apr. 14, 2017	Radiation (03CH12-HY)

5 Uncertainty of Evaluation

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

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

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

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

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

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.7**

Appendix A. Conducted Test Results

A1 - DTS Part

Test Engineer:	Derek Hsu	Temperature:	21~25	°C
Test Date:	2016/11/25~2016/12/06	Relative Humidity:	51~54	%

TEST RESULTS DATA
6dB and 99% Occupied Bandwidth

2.4GHz Band								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	99% Occupied BW (MHz)	6dB BW (MHz)	6dB BW Limit (MHz)	Pass/Fail
11b	1Mbps	1	1	2412	12.45	9.12	0.50	Pass
11b	1Mbps	1	6	2437	14.55	10.02	0.50	Pass
11b	1Mbps	1	11	2462	14.55	10.02	0.50	Pass
11b	1Mbps	1	12	2467	14.55	10.02	0.50	Pass
11b	1Mbps	1	13	2472	14.50	9.58	0.50	Pass
11g	6Mbps	1	1	2412	17.45	16.32	0.50	Pass
11g	6Mbps	1	6	2437	17.80	16.56	0.50	Pass
11g	6Mbps	1	11	2462	17.55	16.58	0.50	Pass
11g	6Mbps	1	12	2467	17.85	16.52	0.50	Pass
11g	6Mbps	1	13	2472	17.60	16.54	0.50	Pass
HT20	MCS0	1	1	2412	18.10	17.58	0.50	Pass
HT20	MCS0	1	6	2437	18.05	17.58	0.50	Pass
HT20	MCS0	1	11	2462	18.10	17.58	0.50	Pass
HT20	MCS0	1	12	2467	18.35	17.76	0.50	Pass
HT20	MCS0	1	13	2472	18.40	17.80	0.50	Pass

TEST RESULTS DATA
Peak Power Table

2.4GHz Band										
Mod.	Data Rate	NTX	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	16.64	30.00	1.57	18.21	36.00	Pass
11b	1Mbps	1	6	2437	16.38	30.00	1.57	17.95	36.00	Pass
11b	1Mbps	1	11	2462	16.41	30.00	1.57	17.98	36.00	Pass
11b	1Mbps	1	12	2467	14.67	30.00	1.57	16.24	36.00	Pass
11b	1Mbps	1	13	2472	12.46	30.00	1.57	14.03	36.00	Pass
11g	6Mbps	1	1	2412	23.03	30.00	1.57	24.60	36.00	Pass
11g	6Mbps	1	6	2437	22.72	30.00	1.57	24.29	36.00	Pass
11g	6Mbps	1	11	2462	22.82	30.00	1.57	24.39	36.00	Pass
11g	6Mbps	1	12	2467	20.77	30.00	1.57	22.34	36.00	Pass
11g	6Mbps	1	13	2472	19.78	30.00	1.57	21.35	36.00	Pass
HT20	MCS0	1	1	2412	23.05	30.00	1.57	24.62	36.00	Pass
HT20	MCS0	1	6	2437	23.11	30.00	1.57	24.68	36.00	Pass
HT20	MCS0	1	11	2462	23.06	30.00	1.57	24.63	36.00	Pass
HT20	MCS0	1	12	2467	20.73	30.00	1.57	22.30	36.00	Pass
HT20	MCS0	1	13	2472	19.82	30.00	1.57	21.39	36.00	Pass

TEST RESULTS DATA
Average Power Table
(Reporting Only)

2.4GHz Band						
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Duty Factor (dB)	Average Conducted Power (dBm)
11b	1Mbps	1	1	2412	0.09	13.37
11b	1Mbps	1	6	2437	0.09	13.24
11b	1Mbps	1	11	2462	0.09	13.29
11b	1Mbps	1	12	2467	0.09	12.49
11b	1Mbps	1	13	2472	0.09	10.50
11g	6Mbps	1	1	2412	0.53	13.55
11g	6Mbps	1	6	2437	0.53	13.23
11g	6Mbps	1	11	2462	0.53	13.27
11g	6Mbps	1	12	2467	0.53	10.67
11g	6Mbps	1	13	2472	0.53	9.56
HT20	MCS0	1	1	2412	0.53	13.50
HT20	MCS0	1	6	2437	0.53	13.63
HT20	MCS0	1	11	2462	0.53	13.51
HT20	MCS0	1	12	2467	0.53	10.49
HT20	MCS0	1	13	2472	0.53	9.57

TEST RESULTS DATA
Peak Power Density

2.4GHz Band								
Mod.	Data Rate	NTX	CH.	Freq. (MHz)	Peak PSD (dBm /3kHz)	DG (dBi)	Peak PSD Limit (dBm /3kHz)	Pass/Fail
11b	1Mbps	1	1	2412	-12.03	1.57	8.00	Pass
11b	1Mbps	1	6	2437	-13.14	1.57	8.00	Pass
11b	1Mbps	1	11	2462	-13.21	1.57	8.00	Pass
11b	1Mbps	1	12	2467	-13.35	1.57	8.00	Pass
11b	1Mbps	1	13	2472	-15.41	1.57	8.00	Pass
11g	6Mbps	1	1	2412	-12.78	1.57	8.00	Pass
11g	6Mbps	1	6	2437	-13.98	1.57	8.00	Pass
11g	6Mbps	1	11	2462	-14.46	1.57	8.00	Pass
11g	6Mbps	1	12	2467	-15.97	1.57	8.00	Pass
11g	6Mbps	1	13	2472	-16.87	1.57	8.00	Pass
HT20	MCS0	1	1	2412	-12.34	1.57	8.00	Pass
HT20	MCS0	1	6	2437	-12.38	1.57	8.00	Pass
HT20	MCS0	1	11	2462	-11.77	1.57	8.00	Pass
HT20	MCS0	1	12	2467	-16.14	1.57	8.00	Pass
HT20	MCS0	1	13	2472	-16.62	1.57	8.00	Pass

Appendix B. Radiated Spurious Emission

Test Engineer :	Peter Liao, Karl Hou and Nick Yu	Temperature :	21~24°C
		Relative Humidity :	54~58%

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		2388.015	56.67	-17.33	74	53.65	27.06	7.45	31.49	305	64	P	H
		2387.49	45.77	-8.23	54	42.75	27.06	7.45	31.49	305	64	A	H
	*	2412	111.11	-	-	108.01	27.14	7.45	31.49	305	64	P	H
	*	2412	106.57	-	-	103.47	27.14	7.45	31.49	305	64	A	H
													H
													H
		2353.785	56.34	-17.66	74	53.51	26.96	7.37	31.5	389	98	P	V
		2387.385	44.92	-9.08	54	41.9	27.06	7.45	31.49	389	98	A	V
	*	2412	108.1	-	-	105	27.14	7.45	31.49	389	98	P	V
	*	2412	103.57	-	-	100.47	27.14	7.45	31.49	389	98	A	V
													V
													V
802.11b CH 06 2437MHz		2380.42	57.73	-16.27	74	54.73	27.04	7.45	31.49	335	63	P	H
		2384.2	45.12	-8.88	54	42.11	27.05	7.45	31.49	335	63	A	H
	*	2437	111.22	-	-	108	27.21	7.49	31.48	335	63	P	H
	*	2437	106.53	-	-	103.31	27.21	7.49	31.48	335	63	A	H
		2497.62	56.56	-17.44	74	53.1	27.39	7.53	31.46	335	63	P	H
		2492.3	45.36	-8.64	54	41.91	27.38	7.53	31.46	335	63	A	H
		2367.82	56	-18	74	53.12	27	7.37	31.49	388	95	P	V
		2384.34	44.41	-9.59	54	41.4	27.05	7.45	31.49	388	95	A	V
	*	2437	107.17	-	-	103.95	27.21	7.49	31.48	388	95	P	V
	*	2437	102.59	-	-	99.37	27.21	7.49	31.48	388	95	A	V
		2493.07	56.64	-17.36	74	53.19	27.38	7.53	31.46	388	95	P	V
		2492.3	44.59	-9.41	54	41.14	27.38	7.53	31.46	388	95	A	V

	*	2462	111.11	-	-	107.76	27.29	7.53	31.47	331	63	P	H
	*	2462	106.64	-	-	103.29	27.29	7.53	31.47	331	63	A	H
		2485.32	57.51	-16.49	74	54.09	27.36	7.53	31.47	331	63	P	H
		2486.28	46.11	-7.89	54	42.69	27.36	7.53	31.47	331	63	A	H
													H
802.11b													H
CH 11	*	2462	106.95	-	-	103.6	27.29	7.53	31.47	365	97	P	V
2462MHz	*	2462	102.45	-	-	99.1	27.29	7.53	31.47	365	97	A	V
		2495.36	56.75	-17.25	74	53.29	27.39	7.53	31.46	365	97	P	V
		2486.36	44.85	-9.15	54	41.43	27.36	7.53	31.47	365	97	A	V
													V
													V

802.11b CH 12 2467MHz	*	2467	111.76	-	-	108.4	27.3	7.53	31.47	323	63	P	H
	*	2467	107.23	-	-	103.87	27.3	7.53	31.47	323	63	A	H
		2484.32	59.33	-14.67	74	55.92	27.35	7.53	31.47	323	63	P	H
		2484	48.48	-5.52	54	45.07	27.35	7.53	31.47	323	63	A	H
													H
													H
	*	2467	107.24	-	-	103.88	27.3	7.53	31.47	367	97	P	V
	*	2467	102.75	-	-	99.39	27.3	7.53	31.47	367	97	A	V
		2488.12	57.12	-16.88	74	53.7	27.36	7.53	31.47	367	97	P	V
		2483.96	45.91	-8.09	54	42.5	27.35	7.53	31.47	367	97	A	V
													V
													V
802.11b CH 13 2472MHz	*	2472	107.93	-	-	104.55	27.32	7.53	31.47	325	63	P	H
	*	2472	103.43	-	-	100.05	27.32	7.53	31.47	325	63	A	H
		2484.6	60	-14	74	56.59	27.35	7.53	31.47	325	63	P	H
		2484.76	51.47	-2.53	54	48.06	27.35	7.53	31.47	325	63	A	H
													H
													H
	*	2472	102.97	-	-	99.59	27.32	7.53	31.47	400	105	P	V
	*	2472	98.5	-	-	95.12	27.32	7.53	31.47	400	105	A	V
		2486.12	57.9	-16.1	74	54.48	27.36	7.53	31.47	400	105	P	V
		2484.76	47.74	-6.26	54	44.33	27.35	7.53	31.47	400	105	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	49.35	-24.65	74	64.57	32.18	10.74	58.14	100	0	P	H
													H
													H
													H
		4824	48.98	-25.02	74	64.2	32.18	10.74	58.14	100	0	P	V
													V
													V
													V
802.11b CH 06 2437MHz		4874	50.03	-23.97	74	64.97	32.27	10.89	58.1	100	0	P	H
		7311	43.56	-30.44	74	51.5	36.97	14.18	59.09	100	0	P	H
													H
													H
		4874	49.65	-24.35	74	64.59	32.27	10.89	58.1	100	0	P	V
		7311	43.51	-30.49	74	51.45	36.97	14.18	59.09	100	0	P	V
													V
													V
802.11b CH 11 2462MHz		4924	48.1	-25.9	74	62.76	32.36	11.04	58.06	100	0	P	H
		7386	44.04	-29.96	74	51.73	37.18	14.27	59.14	100	0	P	H
													H
													H
		4924	48.07	-25.93	74	62.73	32.36	11.04	58.06	100	0	P	V
		7386	44.24	-29.76	74	51.93	37.18	14.27	59.14	100	0	P	V
													V
													V

802.11b CH 12 2467MHz		4934	49.3	-24.7	74	63.94	32.38	11.04	58.06	100	0	P	H
		7401	45.74	-28.26	74	53.4	37.22	14.27	59.15	100	0	P	H
													H
													H
		4934	49.08	-24.92	74	63.72	32.38	11.04	58.06	100	0	P	V
		7401	45.7	-28.3	74	53.36	37.22	14.27	59.15	100	0	P	V
													V
													V
802.11b CH 13 2472MHz		4944	44.59	-29.41	74	59.04	32.4	11.19	58.04	100	0	P	H
		7416	44.25	-29.75	74	51.87	37.26	14.27	59.15	100	0	P	H
													H
													H
		4944	44.52	-29.48	74	58.97	32.4	11.19	58.04	100	0	P	V
		7416	44.17	-29.83	74	51.79	37.26	14.27	59.15	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		2389.8	62.19	-11.81	74	59.16	27.07	7.45	31.49	301	64	P	H
		2390	49.22	-4.78	54	46.19	27.07	7.45	31.49	301	64	A	H
	*	2412	109.8	-	-	106.7	27.14	7.45	31.49	301	64	P	H
	*	2412	100.87	-	-	97.77	27.14	7.45	31.49	301	64	A	H
													H
													H
		2389.905	60.04	-13.96	74	57.01	27.07	7.45	31.49	395	97	P	V
		2390	47.59	-6.41	54	44.56	27.07	7.45	31.49	395	97	A	V
	*	2412	107.2	-	-	104.1	27.14	7.45	31.49	395	97	P	V
	*	2412	97.74	-	-	94.64	27.14	7.45	31.49	395	97	A	V
													V
													V
802.11g CH 06 2437MHz		2375.38	57.54	-16.46	74	54.63	27.03	7.37	31.49	333	64	P	H
		2388.68	45.58	-8.42	54	42.55	27.07	7.45	31.49	333	64	A	H
	*	2437	109.39	-	-	106.17	27.21	7.49	31.48	333	64	P	H
	*	2437	99.53	-	-	96.31	27.21	7.49	31.48	333	64	A	H
		2483.83	58.63	-15.37	74	55.22	27.35	7.53	31.47	333	64	P	H
		2483.5	46.68	-7.32	54	43.27	27.35	7.53	31.47	333	64	A	H
		2388.68	56.38	-17.62	74	53.35	27.07	7.45	31.49	372	98	P	V
		2389.52	44.64	-9.36	54	41.61	27.07	7.45	31.49	372	98	A	V
	*	2437	106.4	-	-	103.18	27.21	7.49	31.48	372	98	P	V
	*	2437	96.91	-	-	93.69	27.21	7.49	31.48	372	98	A	V
		2485.02	56.82	-17.18	74	53.4	27.36	7.53	31.47	372	98	P	V
		2483.5	45.21	-8.79	54	41.8	27.35	7.53	31.47	372	98	A	V

802.11g CH 11 2462MHz	*	2462	109.71	-	-	106.36	27.29	7.53	31.47	332	64	P	H
	*	2462	99.99	-	-	96.64	27.29	7.53	31.47	332	64	A	H
		2483.68	63.45	-10.55	74	60.04	27.35	7.53	31.47	332	64	P	H
		2483.52	50.03	-3.97	54	46.62	27.35	7.53	31.47	332	64	A	H
													H
													H
	*	2462	105.29	-	-	101.94	27.29	7.53	31.47	383	96	P	V
	*	2462	96.2	-	-	92.85	27.29	7.53	31.47	383	96	A	V
		2483.76	59.67	-14.33	74	56.26	27.35	7.53	31.47	383	96	P	V
		2483.52	47.29	-6.71	54	43.88	27.35	7.53	31.47	383	96	A	V
													V
													V

802.11g CH 12 2467MHz	*	2467	107.32	-	-	103.96	27.3	7.53	31.47	293	65	P	H
	*	2467	97.7	-	-	94.34	27.3	7.53	31.47	293	65	A	H
		2483.6	65.68	-8.32	74	62.27	27.35	7.53	31.47	293	65	P	H
		2483.52	51.69	-2.31	54	48.28	27.35	7.53	31.47	293	65	A	H
													H
													H
	*	2467	104.48	-	-	101.12	27.3	7.53	31.47	387	95	P	V
	*	2467	94.34	-	-	90.98	27.3	7.53	31.47	387	95	A	V
		2483.56	61.11	-12.89	74	57.7	27.35	7.53	31.47	387	95	P	V
		2483.52	48.58	-5.42	54	45.17	27.35	7.53	31.47	387	95	A	V
													V
													V
802.11g CH 13 2472MHz	*	2472	106.86	-	-	103.48	27.32	7.53	31.47	325	64	P	H
	*	2472	97.16	-	-	93.78	27.32	7.53	31.47	325	64	A	H
		2484.48	68.86	-5.14	74	65.45	27.35	7.53	31.47	325	64	P	H
		2484.16	52.82	-1.18	54	49.41	27.35	7.53	31.47	325	64	A	H
													H
													H
	*	2472	103.12	-	-	99.74	27.32	7.53	31.47	376	96	P	V
	*	2472	93.42	-	-	90.04	27.32	7.53	31.47	376	96	A	V
		2483.72	64.98	-9.02	74	61.57	27.35	7.53	31.47	376	96	P	V
		2484.2	49.58	-4.42	54	46.17	27.35	7.53	31.47	376	96	A	V
													V
													V
Remark	3. No other spurious found. 4. 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		4824	44.03	-29.97	74	59.25	32.18	10.74	58.14	100	0	P	H
													H
													H
													H
		4824	45.68	-28.32	74	60.9	32.18	10.74	58.14	100	0	P	V
													V
													V
													V
802.11g CH 06 2437MHz		4874	44.36	-29.64	74	59.3	32.27	10.89	58.1	100	0	P	H
		7311	43.14	-30.86	74	51.08	36.97	14.18	59.09	100	0	P	H
													H
													H
		4874	45.22	-28.78	74	60.16	32.27	10.89	58.1	100	0	P	V
		7311	43.55	-30.45	74	51.49	36.97	14.18	59.09	100	0	P	V
													V
													V
802.11g CH 11 2462MHz		4924	43.55	-30.45	74	58.21	32.36	11.04	58.06	100	0	P	H
		7386	43.5	-30.5	74	51.19	37.18	14.27	59.14	100	0	P	H
													H
													H
		4924	44.79	-29.21	74	59.45	32.36	11.04	58.06	100	0	P	V
		7386	44.55	-29.45	74	52.24	37.18	14.27	59.14	100	0	P	V
													V
													V

802.11g CH 12 2467MHz		4934	41.95	-32.05	74	56.59	32.38	11.04	58.06	100	0	P	H
		7401	44.26	-29.74	74	51.92	37.22	14.27	59.15	100	0	P	H
													H
													H
		4934	41.28	-32.72	74	55.92	32.38	11.04	58.06	100	0	P	V
		7401	44.21	-29.79	74	51.87	37.22	14.27	59.15	100	0	P	V
													V
													V
802.11g CH 13 2472MHz		4944	40.06	-33.94	74	54.51	32.4	11.19	58.04	100	0	P	H
		7416	44.61	-29.39	74	52.23	37.26	14.27	59.15	100	0	P	H
													H
													H
		4944	41.56	-32.44	74	56.01	32.4	11.19	58.04	100	0	P	V
		7416	43.99	-30.01	74	51.61	37.26	14.27	59.15	100	0	P	V
													V
													V
Remark	5. No other spurious found. 6. 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)
		2389.905	68.08	-5.92	74	65.05	27.07	7.45	31.49	303	65	P	H
		2390	50.51	-3.49	54	47.48	27.07	7.45	31.49	303	65	A	H
	*	2412	110.39	-	-	107.29	27.14	7.45	31.49	303	65	P	H
	*	2412	100.19	-	-	97.09	27.14	7.45	31.49	303	65	A	H
802.11n													H
HT20													H
CH 01		2390	65.19	-8.81	74	62.16	27.07	7.45	31.49	393	98	P	V
2412MHz		2390	48.74	-5.26	54	45.71	27.07	7.45	31.49	393	98	A	V
	*	2412	106.77	-	-	103.67	27.14	7.45	31.49	393	98	P	V
	*	2412	96.84	-	-	93.74	27.14	7.45	31.49	393	98	A	V
													V
													V
		2387	57.72	-16.28	74	54.7	27.06	7.45	31.49	297	66	P	H
		2387.56	45.99	-8.01	54	42.97	27.06	7.45	31.49	297	66	A	H
	*	2437	110.51	-	-	107.29	27.21	7.49	31.48	297	66	P	H
	*	2437	100.52	-	-	97.3	27.21	7.49	31.48	297	66	A	H
802.11n		2488.59	59.48	-14.52	74	56.05	27.37	7.53	31.47	297	66	P	H
HT20		2483.62	47.6	-6.4	54	44.19	27.35	7.53	31.47	297	66	A	H
CH 06		2367.68	57.34	-16.66	74	54.46	27	7.37	31.49	372	98	P	V
2437MHz		2389.94	45.07	-8.93	54	42.04	27.07	7.45	31.49	372	98	A	V
	*	2437	108.62	-	-	105.4	27.21	7.49	31.48	372	98	P	V
	*	2437	98.61	-	-	95.39	27.21	7.49	31.48	372	98	A	V
		2491.46	57.5	-16.5	74	54.07	27.37	7.53	31.47	372	98	P	V
		2483.55	45.95	-8.05	54	42.54	27.35	7.53	31.47	372	98	A	V

	*	2462	111.09	-	-	107.74	27.29	7.53	31.47	333	66	P	H
	*	2462	101.13	-	-	97.78	27.29	7.53	31.47	333	66	A	H
		2483.56	65.29	-8.71	74	61.88	27.35	7.53	31.47	333	66	P	H
		2483.52	52	-2	54	48.59	27.35	7.53	31.47	333	66	A	H
802.11n													H
HT20													H
CH 11	*	2462	108.07	-	-	104.72	27.29	7.53	31.47	376	96	P	V
2462MHz	*	2462	98.37	-	-	95.02	27.29	7.53	31.47	376	96	A	V
		2483.72	62.41	-11.59	74	59	27.35	7.53	31.47	376	96	P	V
		2483.52	49.45	-4.55	54	46.04	27.35	7.53	31.47	376	96	A	V
													V
													V

	*	2467	107.61	-	-	104.25	27.3	7.53	31.47	324	65	P	H
	*	2467	97.66	-	-	94.3	27.3	7.53	31.47	324	65	A	H
		2484.36	67.02	-6.98	74	63.61	27.35	7.53	31.47	324	65	P	H
		2483.52	51.71	-2.29	54	48.3	27.35	7.53	31.47	324	65	A	H
802.11n													H
HT20													H
CH 12	*	2467	104.73	-	-	101.37	27.3	7.53	31.47	375	96	P	V
2467Hz	*	2467	94.75	-	-	91.39	27.3	7.53	31.47	375	96	A	V
		2484.92	63.72	-10.28	74	60.31	27.35	7.53	31.47	375	96	P	V
		2483.52	48.92	-5.08	54	45.51	27.35	7.53	31.47	375	96	A	V
													V
													V
	*	2472	107.49	-	-	104.11	27.32	7.53	31.47	321	66	P	H
	*	2472	97.14	-	-	93.76	27.32	7.53	31.47	321	66	A	H
		2484.04	68.2	-5.8	74	64.79	27.35	7.53	31.47	321	66	P	H
		2483.52	52.78	-1.22	54	49.37	27.35	7.53	31.47	321	66	A	H
802.11n													H
HT20													H
CH 13	*	2472	103.11	-	-	99.73	27.32	7.53	31.47	379	96	P	V
2472MHz	*	2472	93.05	-	-	89.67	27.32	7.53	31.47	379	96	A	V
		2484	64.31	-9.69	74	60.9	27.35	7.53	31.47	379	96	P	V
		2483.52	49.12	-4.88	54	45.71	27.35	7.53	31.47	379	96	A	V
													V
													V

Remark

3. No other spurious found.
4. 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)
		4824	44.62	-29.38	74	59.84	32.18	10.74	58.14	100	0	P	H
													H
802.11n													H
HT20													H
CH 01		4824	45.62	-28.38	74	60.84	32.18	10.74	58.14	100	0	P	V
2412MHz													V
													V
													V
		4874	44.91	-29.09	74	59.85	32.27	10.89	58.1	100	0	P	H
		7311	44.64	-29.36	74	52.58	36.97	14.18	59.09	100	0	P	H
802.11n													H
HT20													H
CH 06		4874	46.93	-27.07	74	61.87	32.27	10.89	58.1	100	0	P	V
2437MHz		7311	43.64	-30.36	74	51.58	36.97	14.18	59.09	100	0	P	V
													V
													V
		4924	43.91	-30.09	74	58.57	32.36	11.04	58.06	100	0	P	H
		7386	44.41	-29.59	74	52.1	37.18	14.27	59.14	100	0	P	H
802.11n													H
HT20													H
CH 11		4924	45.21	-28.79	74	59.87	32.36	11.04	58.06	100	0	P	V
2462MHz		7386	44.36	-29.64	74	52.05	37.18	14.27	59.14	100	0	P	V
													V
													V

		4934	42.6	-31.4	74	57.24	32.38	11.04	58.06	100	0	P	H
		7401	44.56	-29.44	74	52.22	37.22	14.27	59.15	100	0	P	H
802.11n													H
HT20													H
CH 12		4934	42.56	-31.44	74	57.2	32.38	11.04	58.06	100	0	P	V
2467Hz		7401	44.84	-29.16	74	52.5	37.22	14.27	59.15	100	0	P	V
													V
													V
		4944	40.26	-33.74	74	54.71	32.4	11.19	58.04	100	0	P	H
		7416	45.3	-28.7	74	52.92	37.26	14.27	59.15	100	0	P	H
802.11n													H
HT20													H
CH 13		4944	40.54	-33.46	74	54.99	32.4	11.19	58.04	100	0	P	V
2472MHz		7416	44.45	-29.55	74	52.07	37.26	14.27	59.15	100	0	P	V
													V
													V

Remark	7. No other spurious found. 8. All results are PASS against Peak and Average limit line.

2.4GHz 2400~2483.5MHz

Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

WIFI Ant.	Note	Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Peak Avg.	Pol.
1		(MHz)	(dBµV/m)	(dB)	(dBµV/m)	(dBµV)	(dB/m)	(dB)	(dB)	(cm)	(deg)	(P/A)	(H/V)
2.4GHz 802.11g LF		95.61	22.67	-20.83	43.5	38.52	15.52	1.06	32.43	-	-	P	H
		128.01	19.74	-23.76	43.5	32.81	17.92	1.43	32.42	-	-	P	H
		199.29	22.09	-21.41	43.5	37	15.8	1.7	32.41	-	-	P	H
		303.5	23.67	-22.33	46	33.94	19.62	2.34	32.23	-	-	P	H
		569.5	26.29	-19.71	46	30.54	24.85	3.3	32.4	-	-	P	H
		750.1	29	-17	46	29.74	27.6	3.97	32.31	100	0	P	H
													H
													H
													H
													H
													H
													H
		33.78	28.12	-11.88	40	36.16	23.64	0.78	32.46	100	0	P	V
		73.47	25.66	-14.34	40	44.24	12.81	1.06	32.45	-	-	P	V
		119.64	24.26	-19.24	43.5	37.71	17.55	1.43	32.43	-	-	P	V
		350.4	22.75	-23.25	46	31.61	21	2.44	32.3	-	-	P	V
		588.4	26.37	-19.63	46	30.08	25.19	3.5	32.4	-	-	P	V
		701.1	28.02	-17.98	46	30.12	26.42	3.89	32.41	-	-	P	V
													V
													V
													V
													V
													V
													V
Remark	1. No other spurious found. 2. All results are PASS against limit line.												

Note symbol

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

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 CH 01 2412MHz		2390	55.45	-18.55	74	54.51	32.22	4.58	35.86	103	308	P	H
		2390	43.54	-10.46	54	42.6	32.22	4.58	35.86	103	308	A	H

1. Level(dBµV/m) =

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

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

For Peak Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 55.45 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 55.45(dBµV/m) – 74(dBµV/m)

= -18.55(dB)

For Average Limit @ 2390MHz:

1. Level(dBµV/m)

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

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

= 43.54 (dBµV/m)

2. Over Limit(dB)

= Level(dBµV/m) – Limit Line(dBµV/m)

= 43.54(dBµV/m) – 54(dBµV/m)

= -10.46(dB)

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

Appendix C. Radiated Spurious Emission Plots

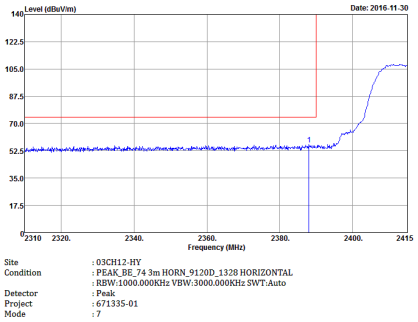
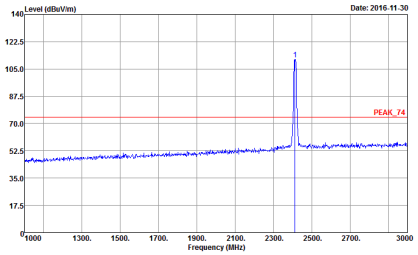
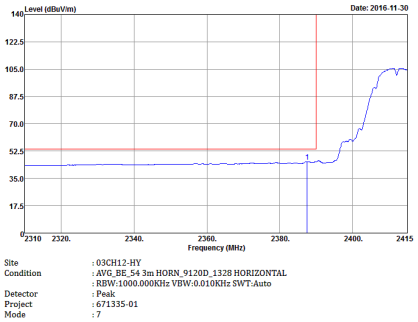
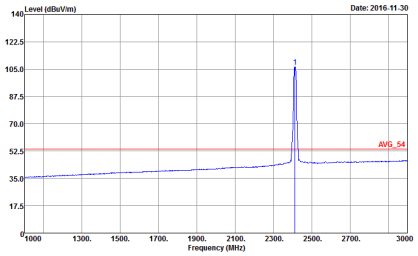
Test Engineer :	Peter Liao, Karl Hou and Nick Yu	**Temperature :**	21~24°C
		Relative Humidity :	54~58%

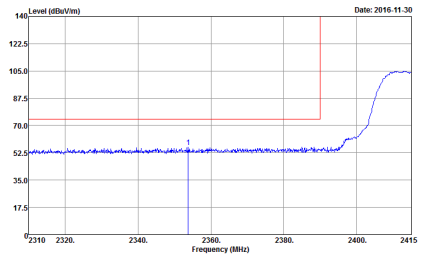
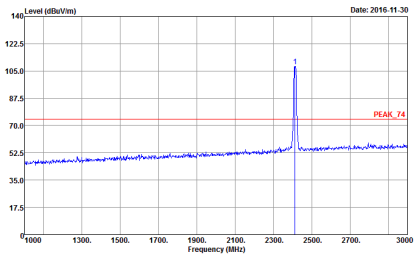
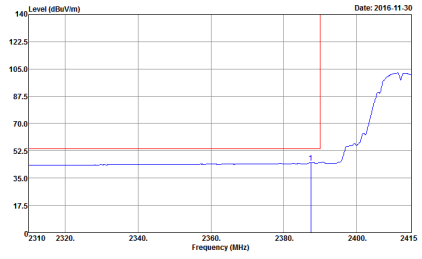
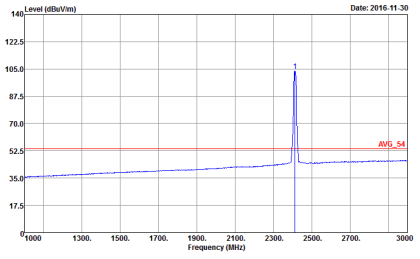
Note symbol

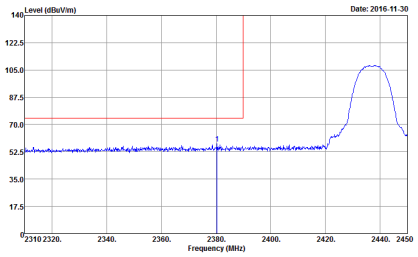
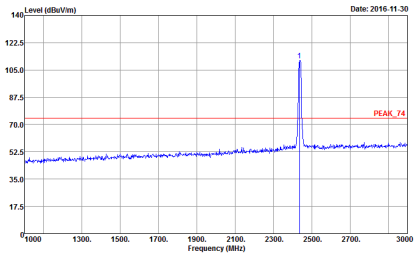
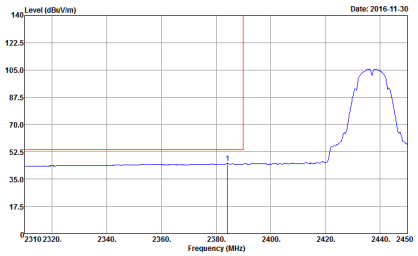
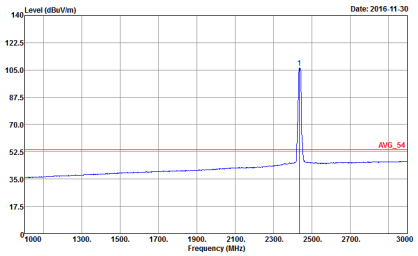
-L	**Low channel location**
-R	**High channel location**

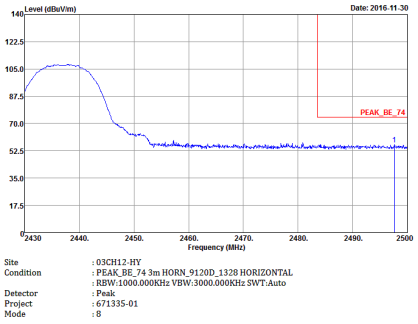
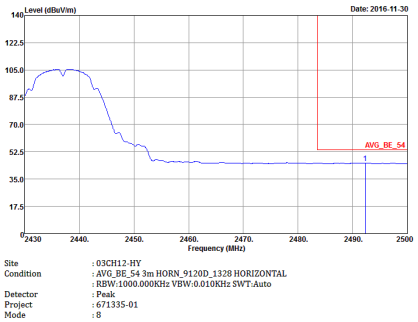
2.4GHz 2400~2483.5MHz

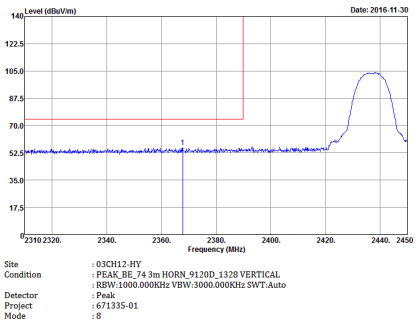
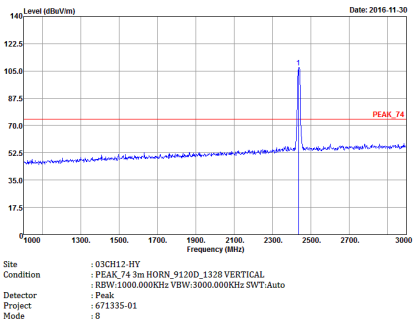
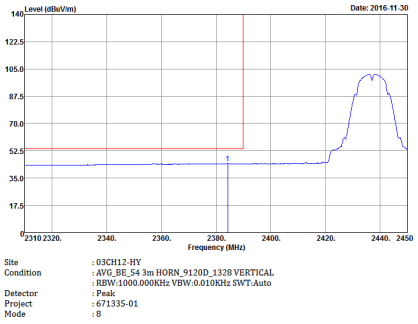
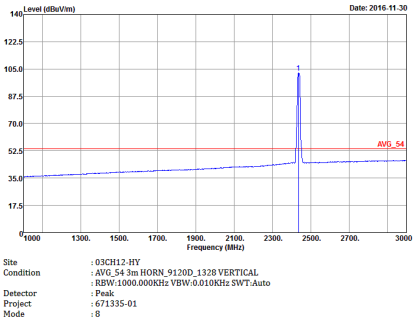
WIFI 802.11b (Band Edge @ 3m)

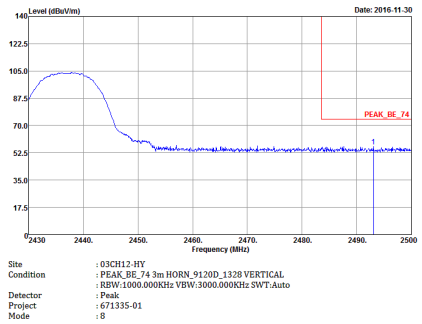
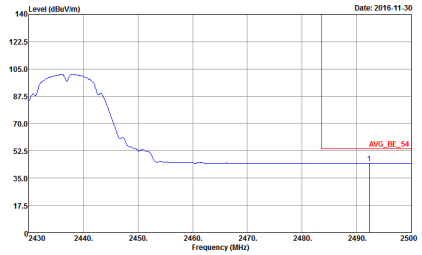
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 7	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 7
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 7	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 7

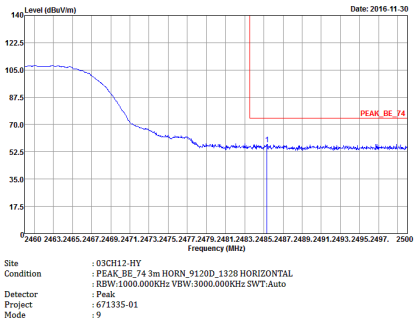
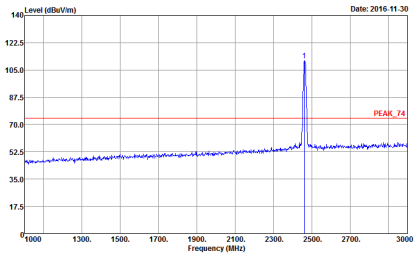
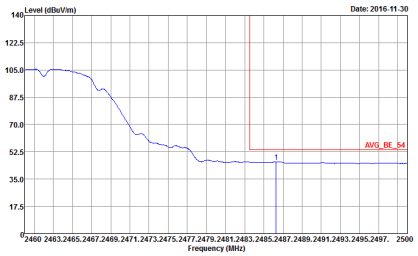
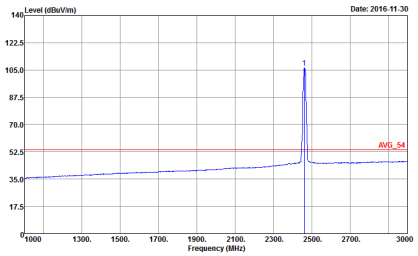
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH01 2412MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 7	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 7
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 7	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 7

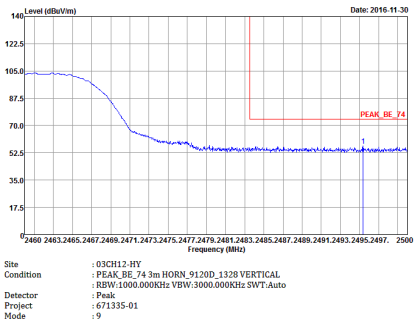
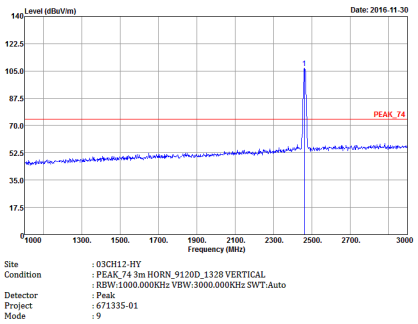
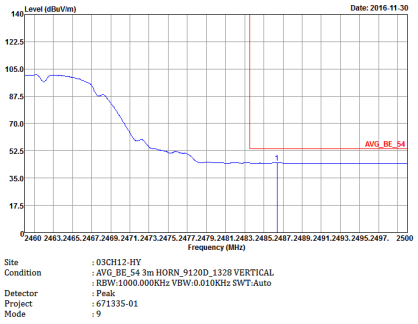
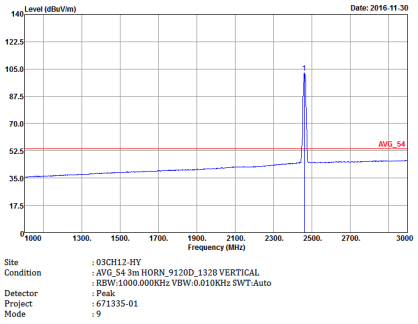
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 8	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 8
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 8	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 8

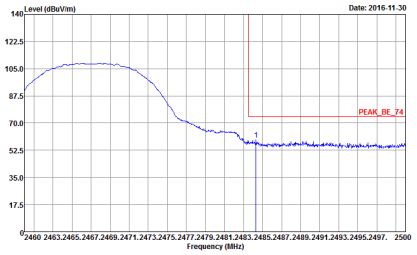
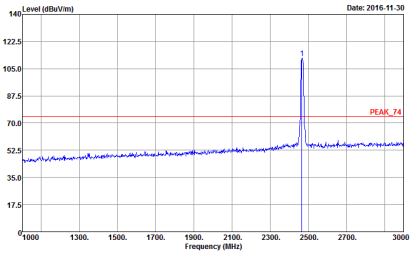
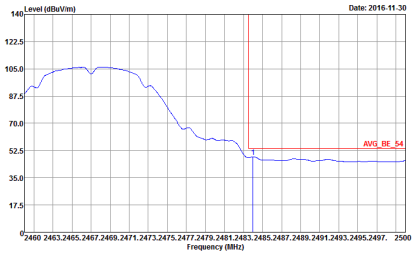
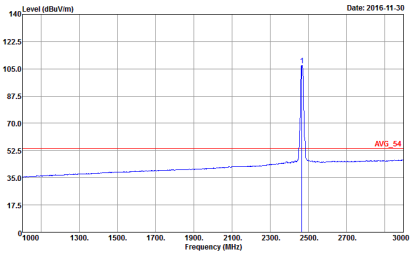
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

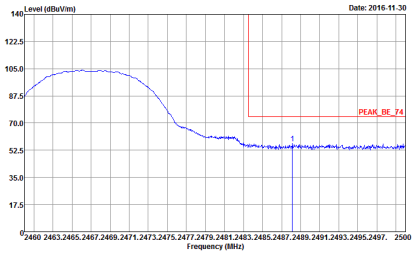
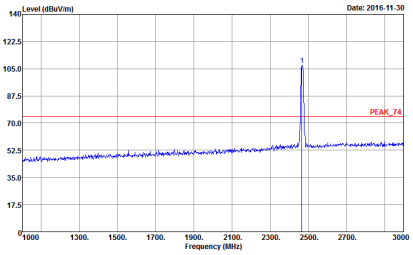
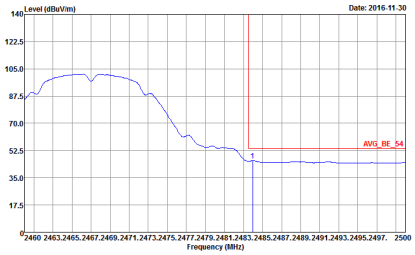
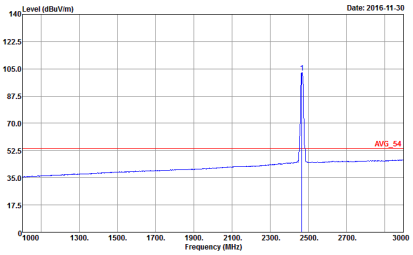
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 8	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 8
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 8	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 8

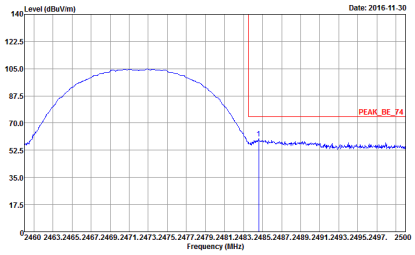
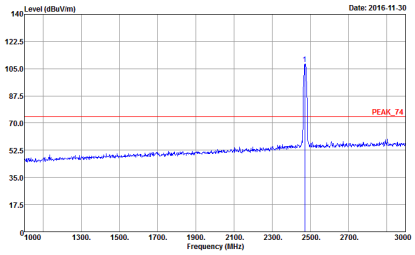
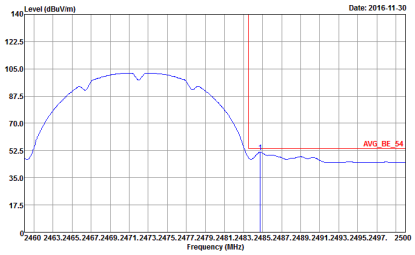
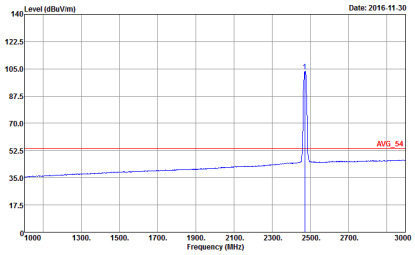
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH06 2437MHz - R	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 8	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 8	Left blank

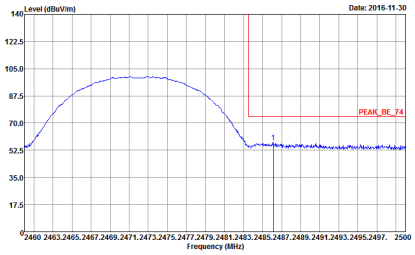
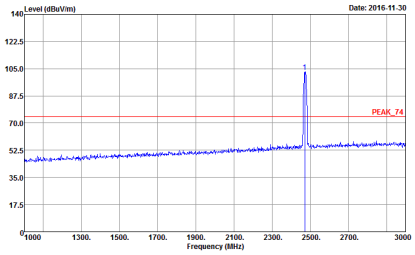
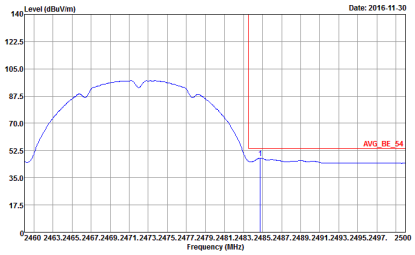
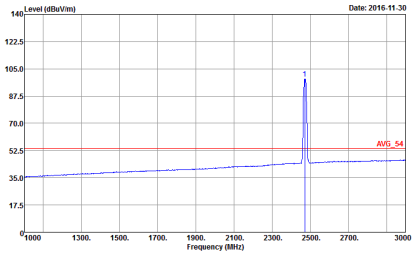
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 9	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 9
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 9	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 9

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 9	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 9
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 9	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 9

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 10	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 10
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 10	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 10

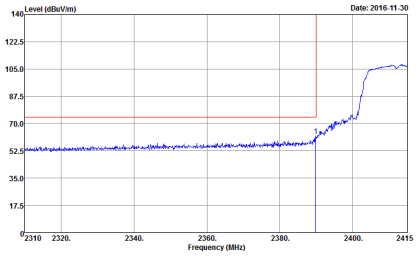
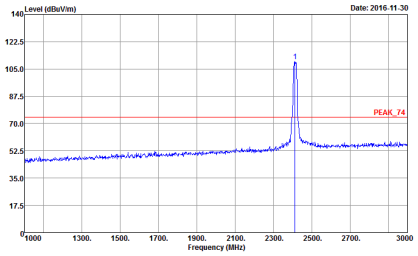
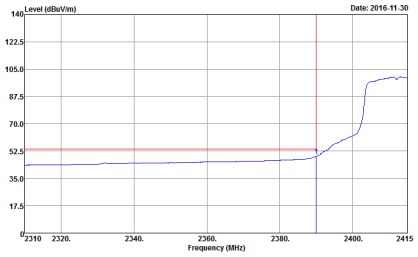
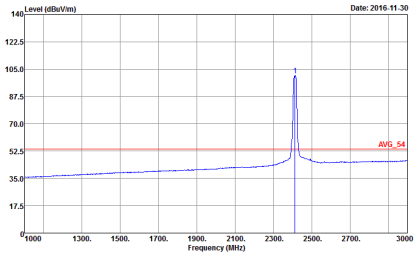
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH12 2467MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 10	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 10
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 10	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 10

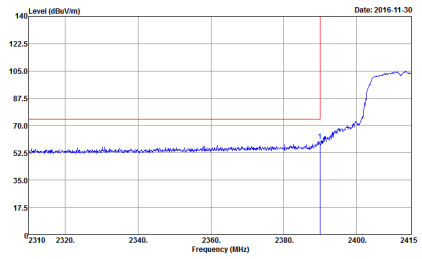
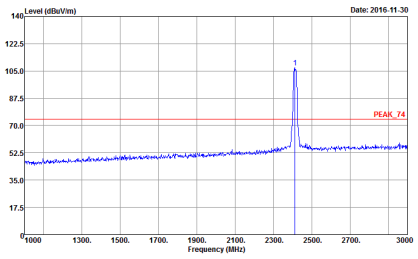
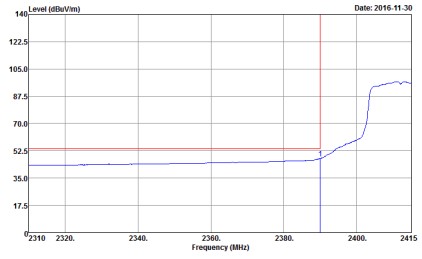
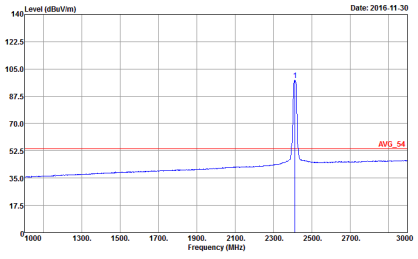
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 11 Setting : 12	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 11 Setting : 12
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 11 Setting : 12	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 11 Setting : 12

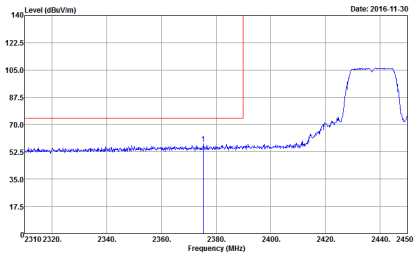
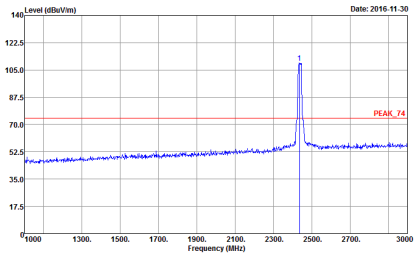
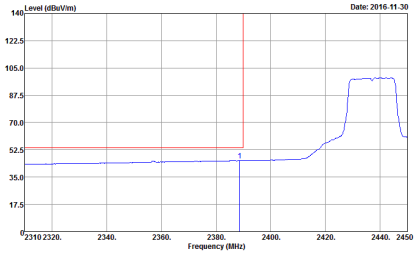
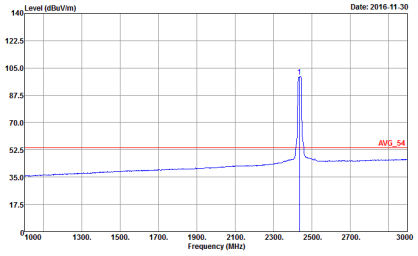
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11b CH13 2472MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 11 Setting : 12	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 11 Setting : 12
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 11 Setting : 12	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 11 Setting : 12

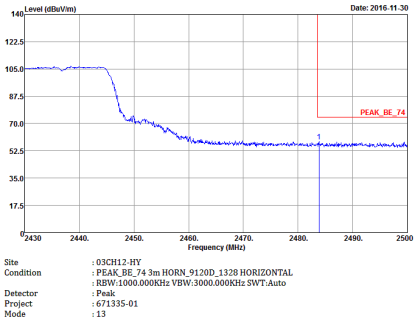
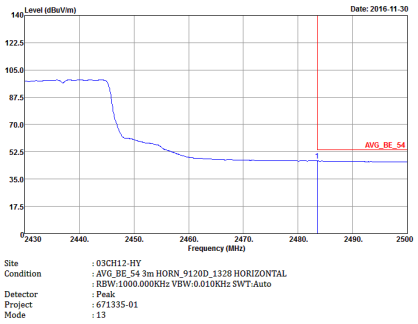
2.4GHz 2400~2483.5MHz

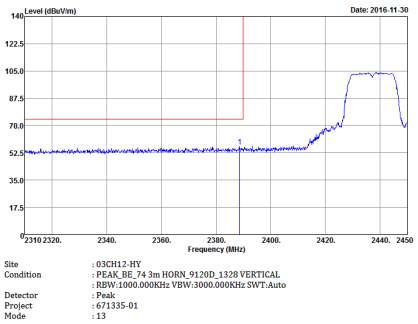
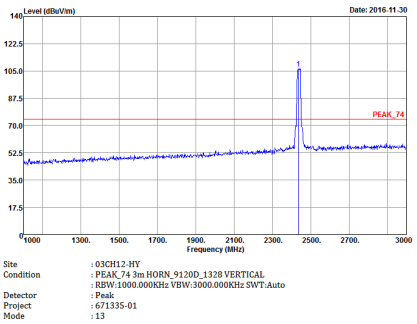
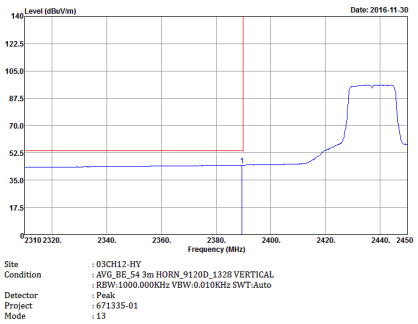
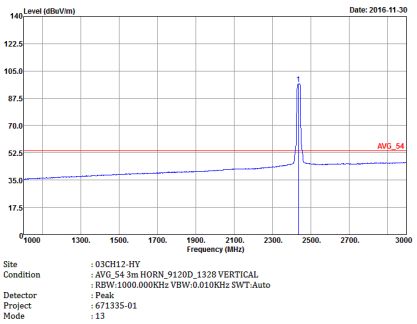
WIFI 802.11g (Band Edge @ 3m)

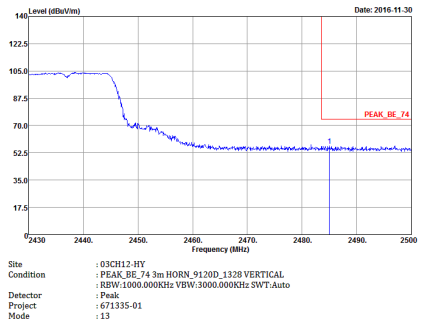
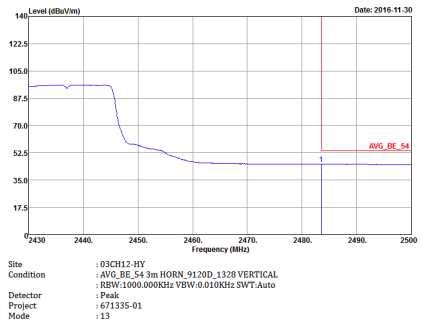
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 12	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 12
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 12	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 12

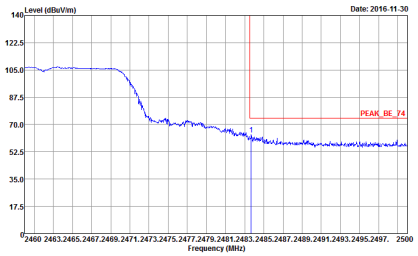
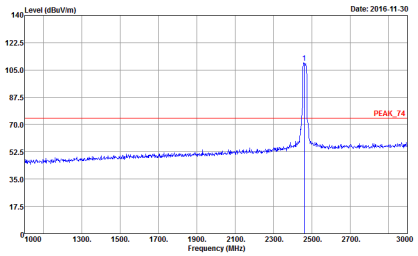
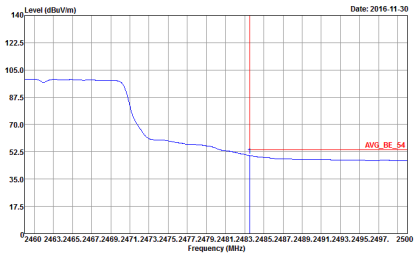
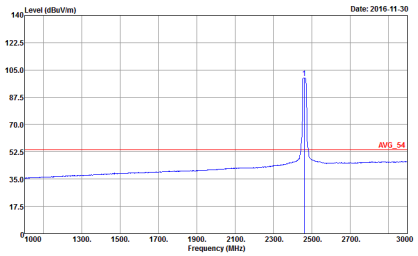
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH01 2412MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 12	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 12
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 12	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 12

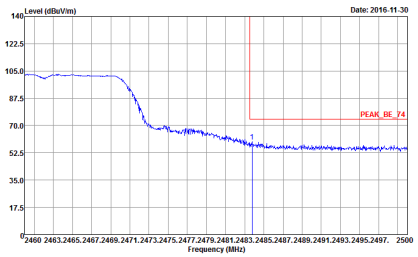
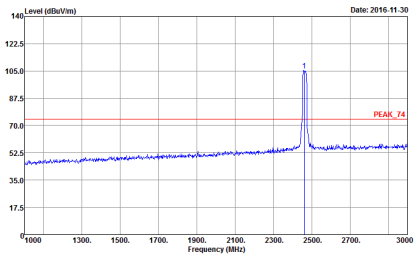
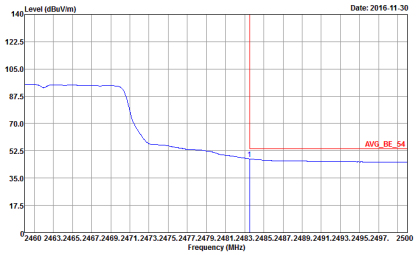
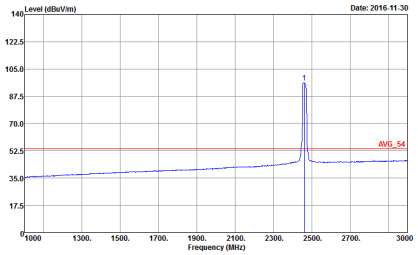
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 13	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 13
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 13	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 13

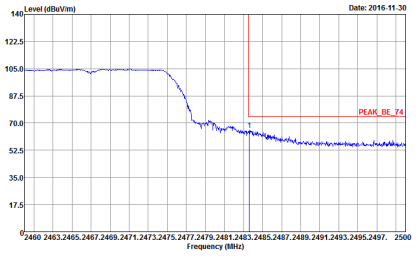
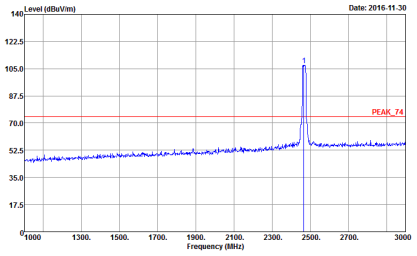
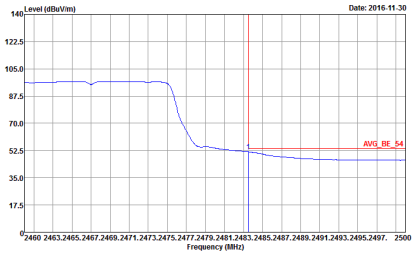
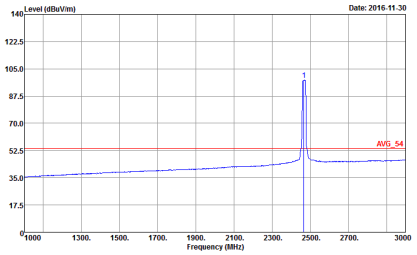
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak		Left blank
Avg.		Left blank

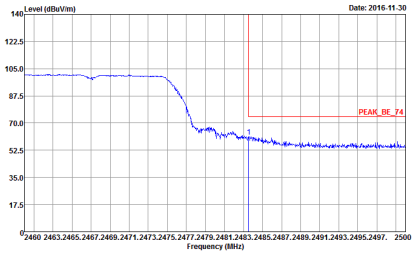
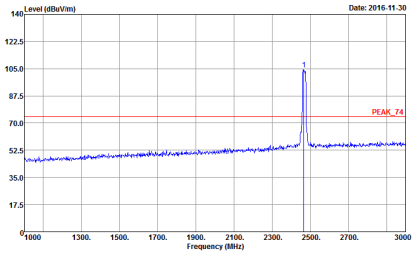
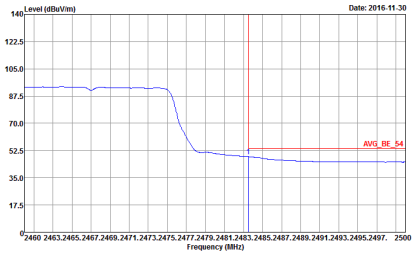
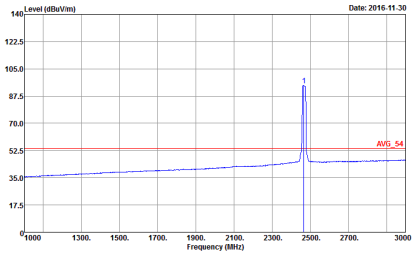
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 13	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 13
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 13	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 13

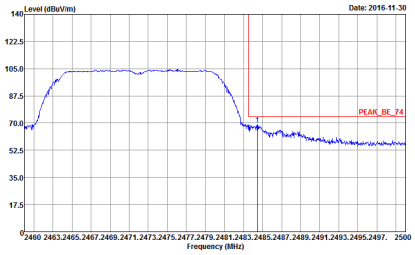
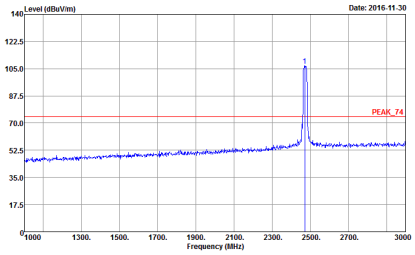
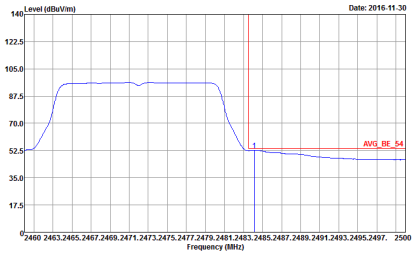
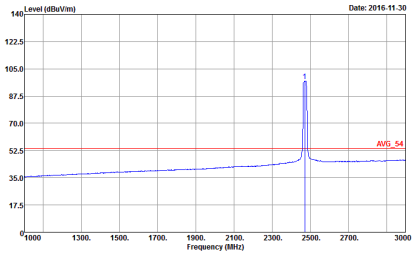
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

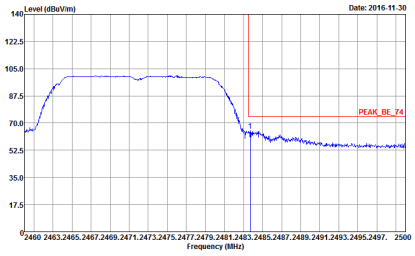
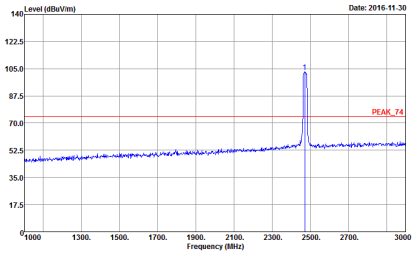
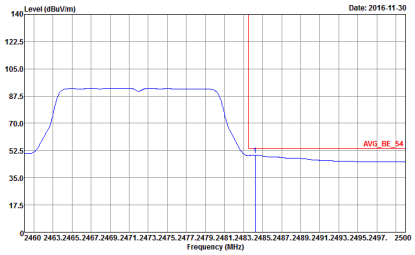
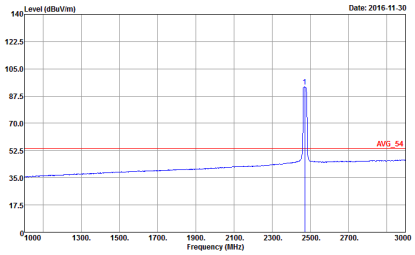
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 14	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 14
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 14	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 14

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 14	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 14
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 14	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 14

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 15 Setting : 12	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 15 Setting : 12
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 15 Setting : 12	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 15 Setting : 12

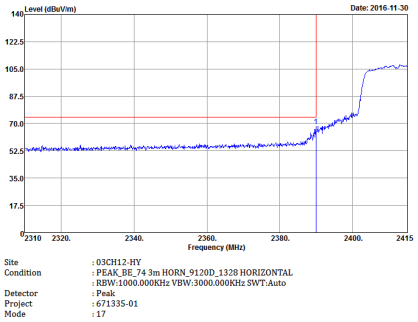
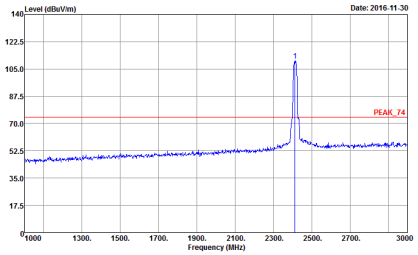
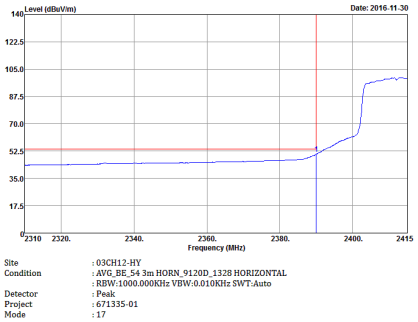
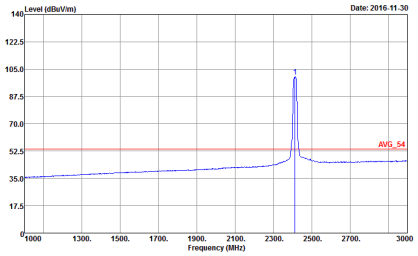
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH12 2467MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 15 Setting : 12	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 15 Setting : 12
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 15 Setting : 12	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 15 Setting : 12

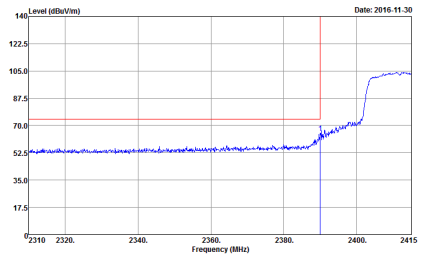
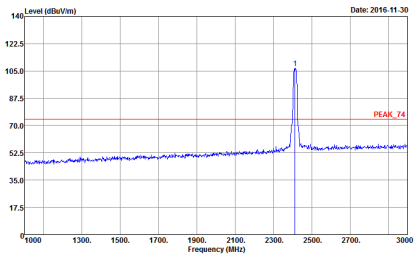
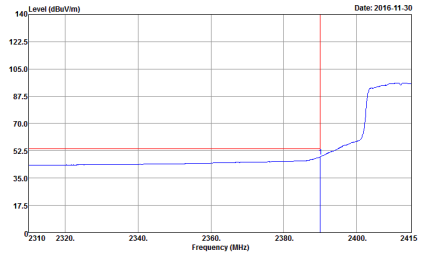
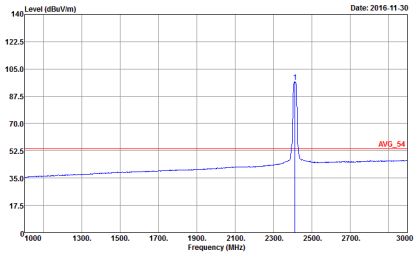
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 16 Setting : 11	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 16 Setting : 11
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 16 Setting : 11	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 16 Setting : 11

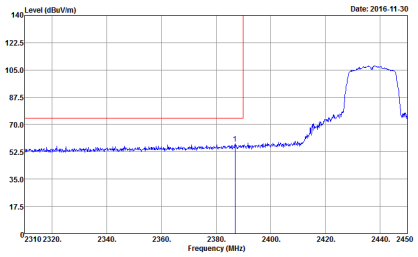
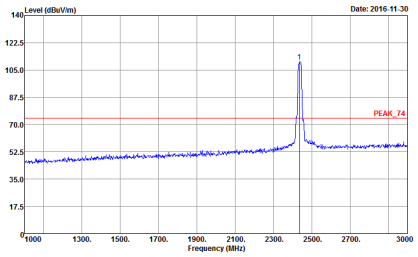
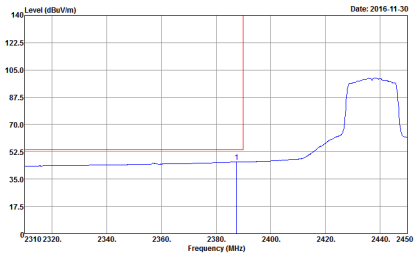
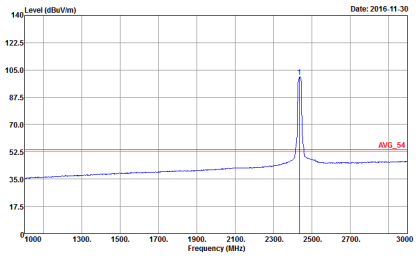
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11g CH13 2472MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 16 Setting : 11	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 16 Setting : 11
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 16 Setting : 11	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 16 Setting : 11

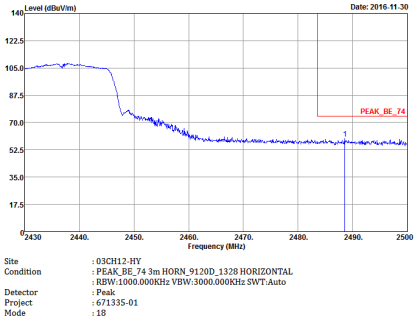
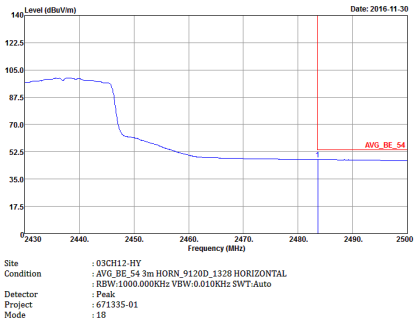
2.4GHz 2400~2483.5MHz

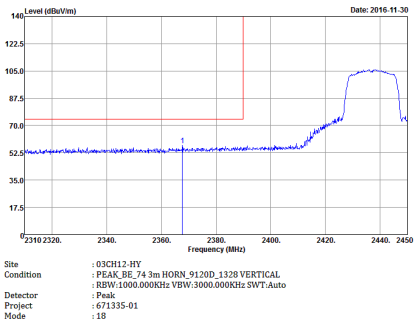
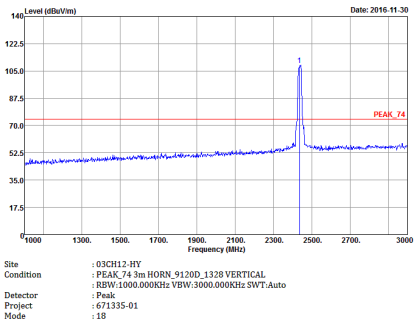
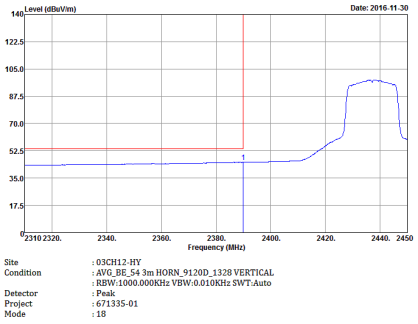
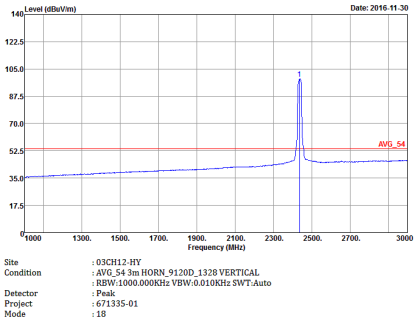
WIFI 802.11n HT20 (Band Edge @ 3m)

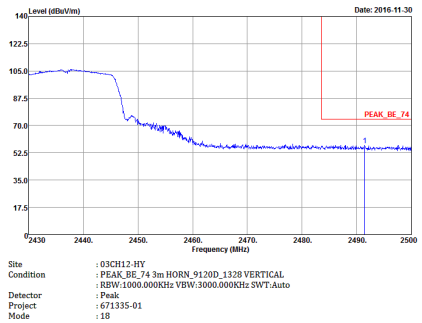
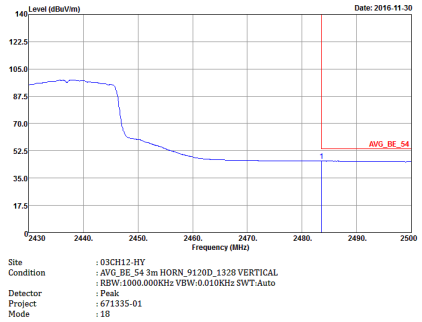
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 17	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 17
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 17	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 17

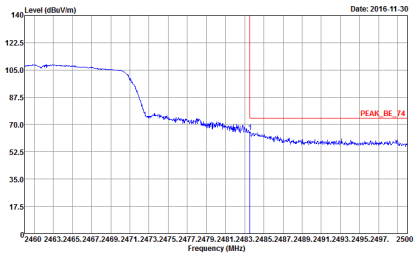
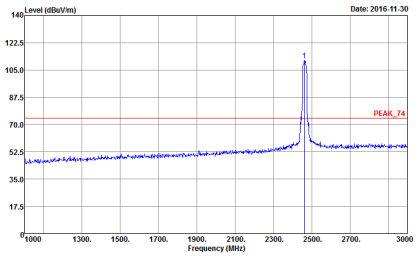
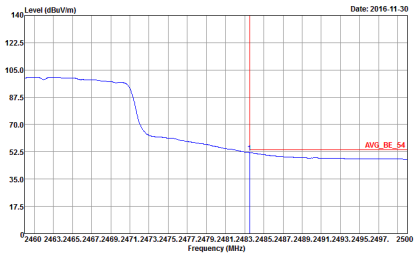
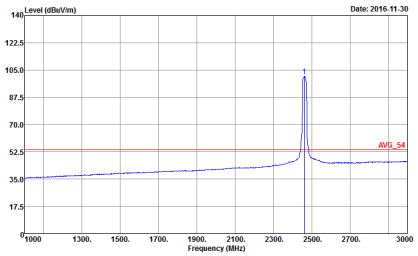
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 17	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 17
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 17	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 17

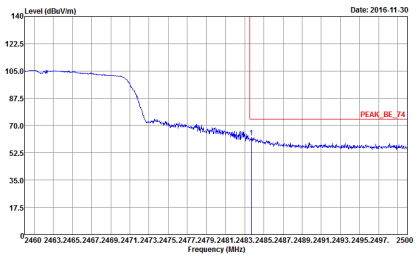
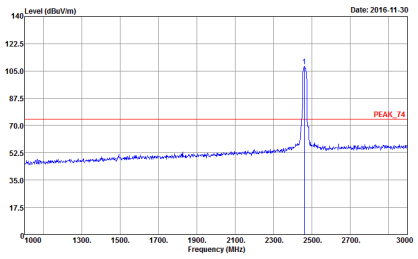
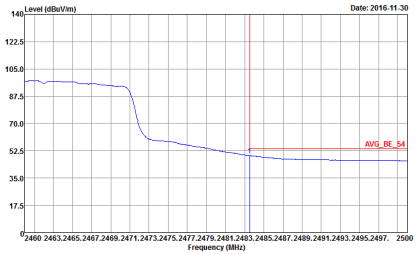
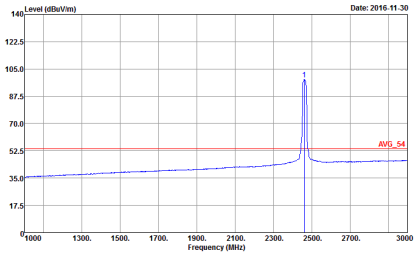
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 18	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 18
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 18	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 18

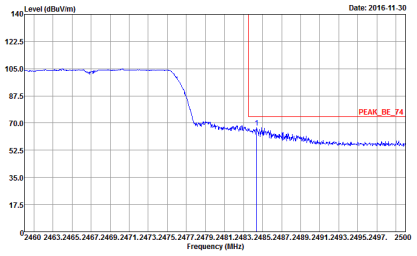
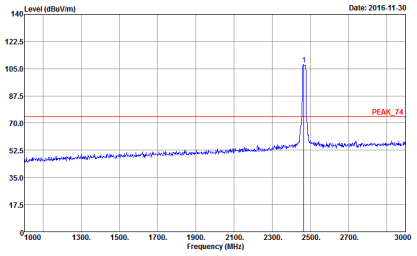
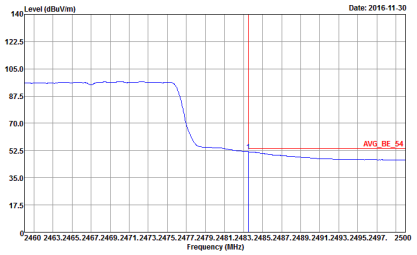
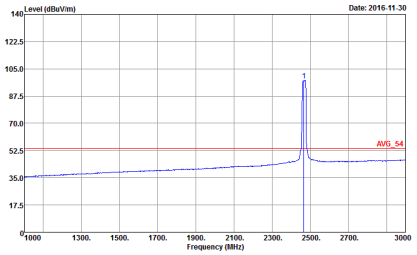
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 18	Left blank
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 18	Left blank

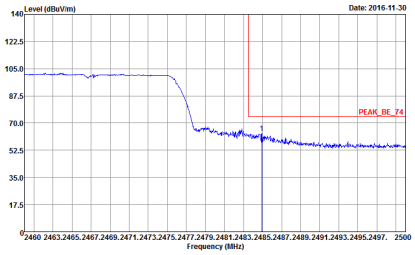
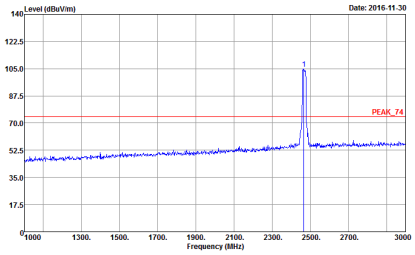
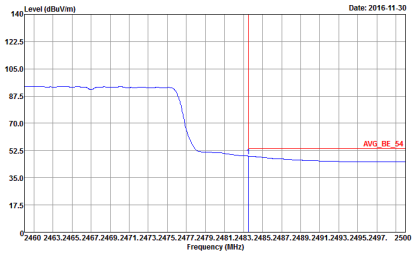
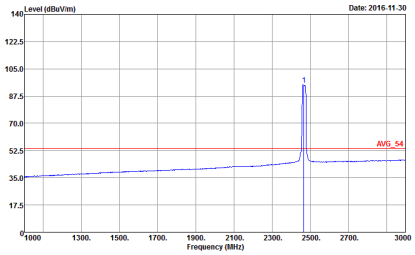
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - L	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 18	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 18
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 18	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 18

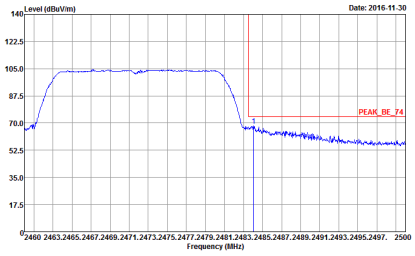
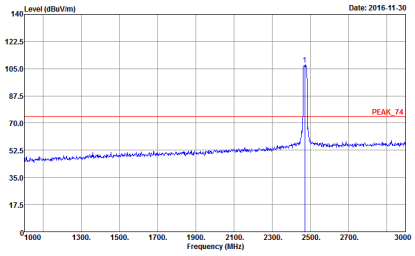
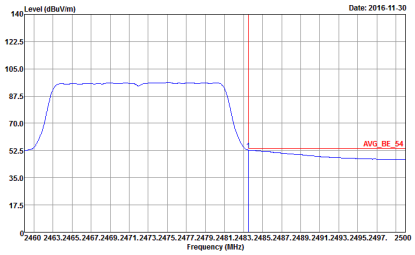
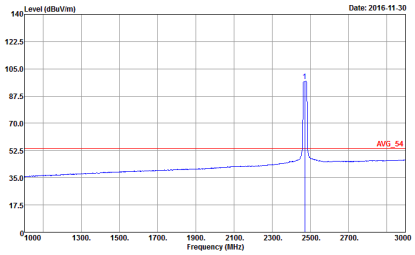
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH06 2437MHz - R	
1	Vertical	Fundamental
Peak		Left Blank
Avg.		Left Blank

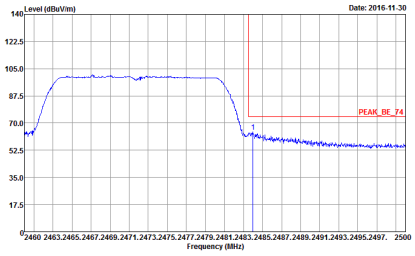
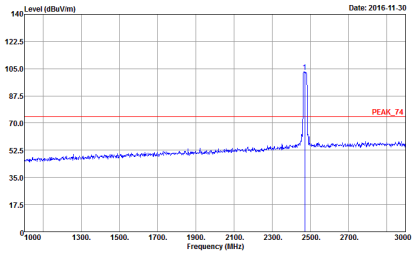
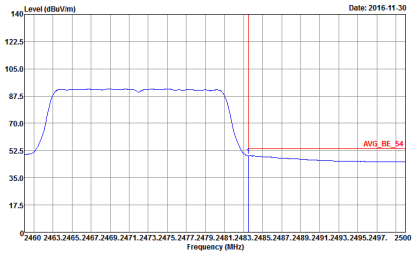
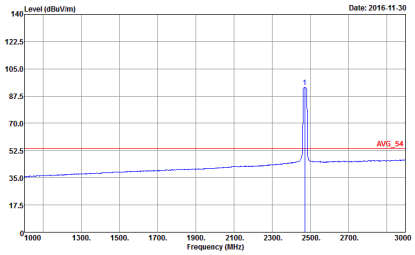
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 19	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 19
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 19	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 19

WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 19	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 19
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 19	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 19

WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 20 Setting : 12	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 20 Setting : 12
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 20 Setting : 12	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 20 Setting : 12

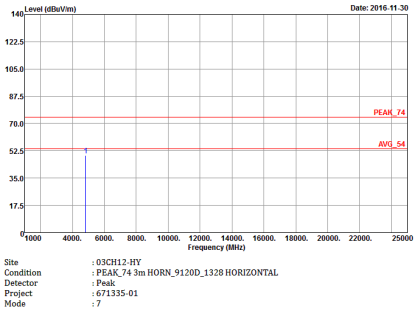
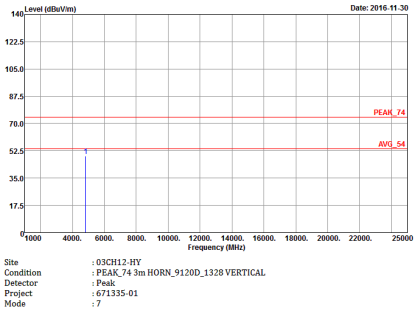
WIFI	2.4GHz 2400~2483.5MHz Fundamental @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 20 Setting : 12	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 20 Setting : 12
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 20 Setting : 12	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 20 Setting : 12

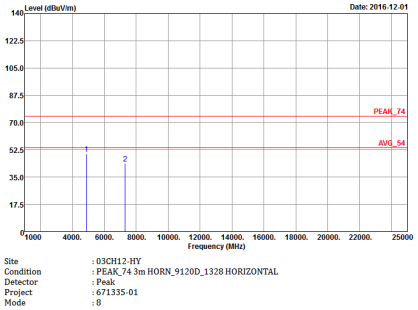
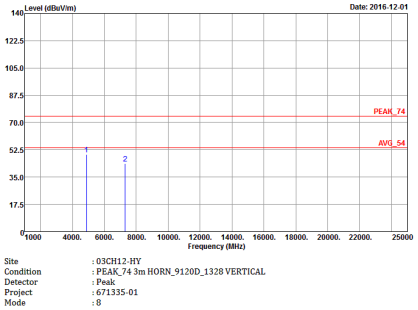
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Horizontal	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 21 Setting : 11	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 21 Setting : 11
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 21 Setting : 11	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 HORIZONTAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 21 Setting : 11

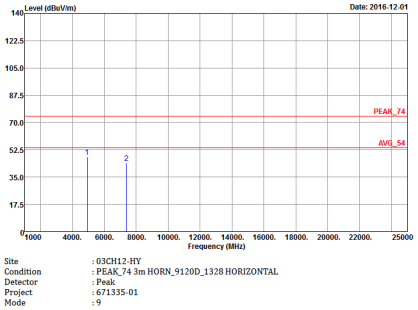
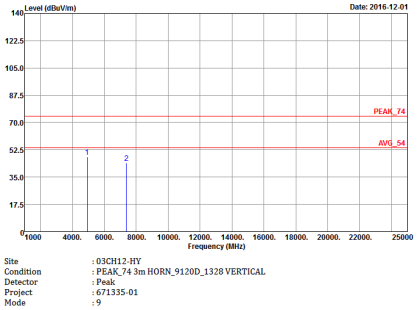
WIFI	2.4GHz 2400~2483.5MHz Band Edge @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Vertical	Fundamental
Peak	 Site : 03CH12-HY Condition : PEAK_BE_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 21 Setting : 11	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:3000.000KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 21 Setting : 11
Avg.	 Site : 03CH12-HY Condition : AVG_BE_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 21 Setting : 11	 Site : 03CH12-HY Condition : AVG_54 3m HORN_9120D_1328 VERTICAL : RBW:1000.000KHz VBW:0.010KHz SWT:Auto Detector : Peak Project : 671335-01 Mode : 21 Setting : 11

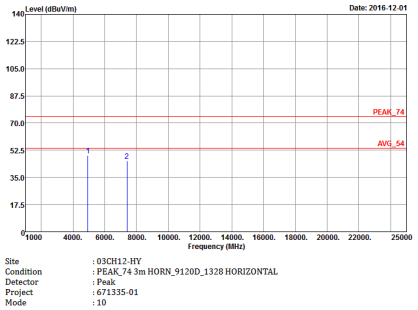
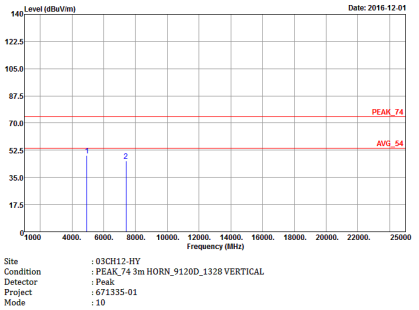
2.4GHz 2400~2483.5MHz

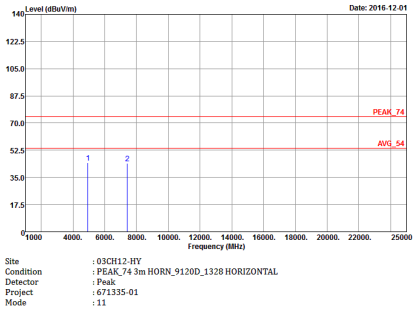
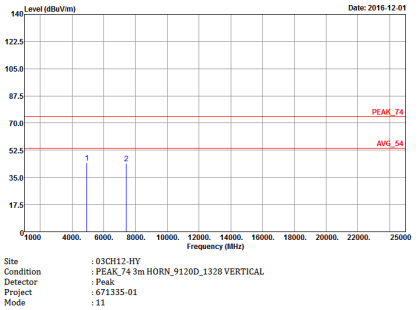
WIFI 802.11b (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.		

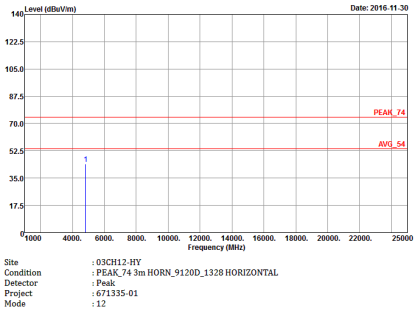
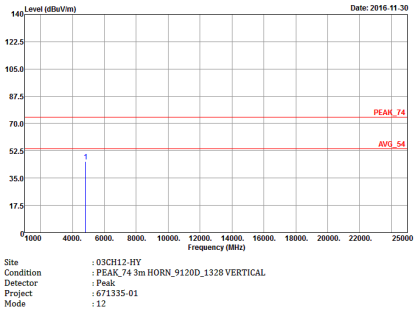
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 671335-01 Mode : 9	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 671335-01 Mode : 9

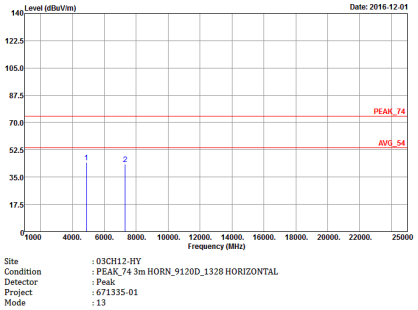
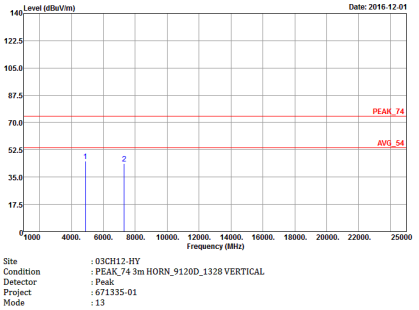
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH12 2467MHz	
1	Horizontal	Vertical
Peak Avg.		

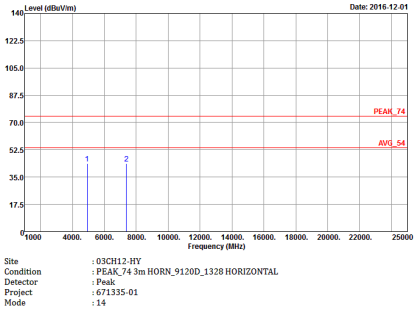
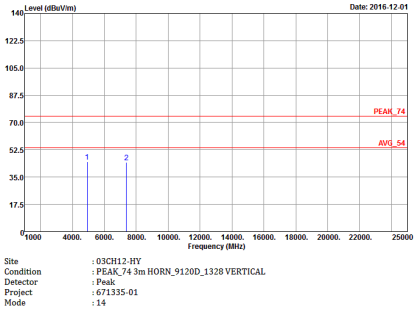
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11b CH13 2472MHz	
1	Horizontal	Vertical
Peak Avg.		

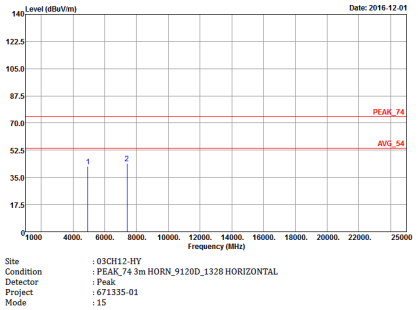
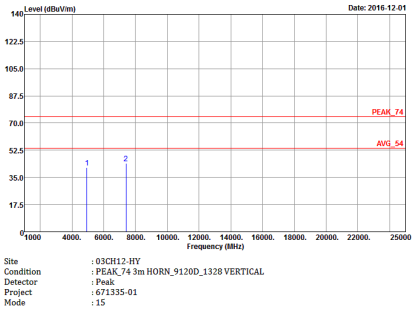
2.4GHz 2400~2483.5MHz

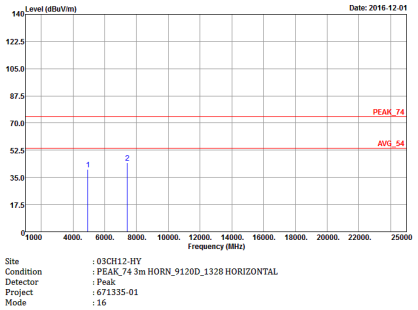
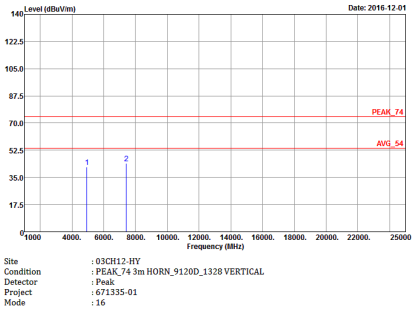
WIFI 802.11g (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 671335-01 Mode : 13	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 671335-01 Mode : 13

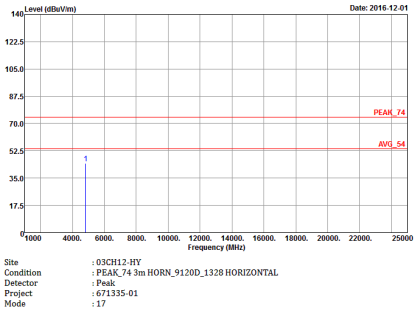
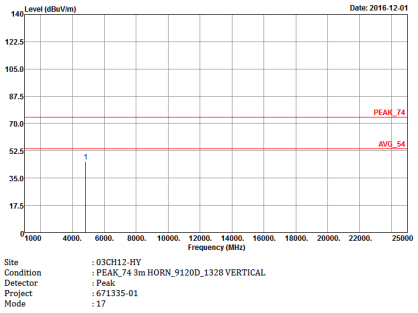
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 671335-01 Mode : 14	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 671335-01 Mode : 14

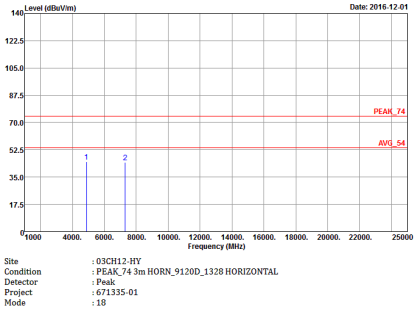
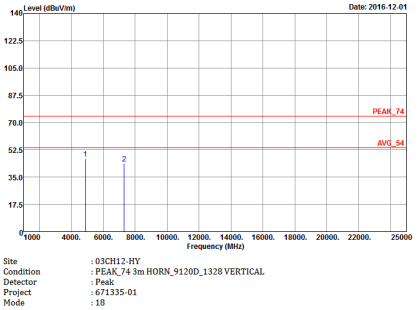
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH12 2467MHz	
1	Horizontal	Vertical
Peak Avg.		

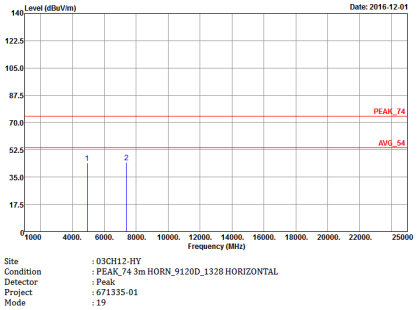
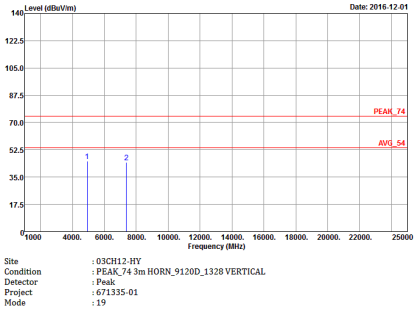
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11g CH13 2472MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 671335-01 Mode : 16	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 671335-01 Mode : 16

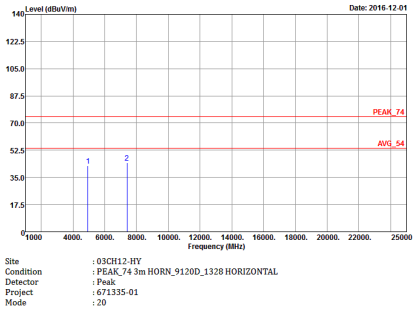
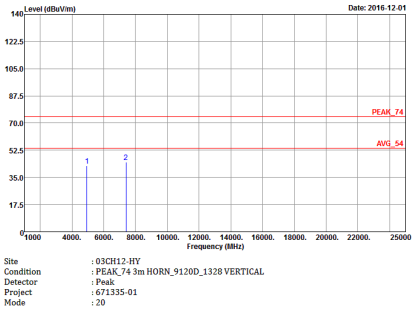
2.4GHz 2400~2483.5MHz

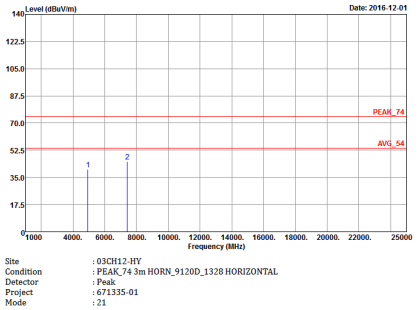
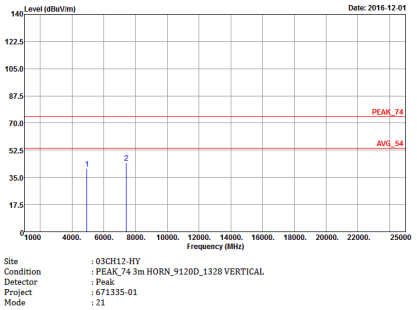
WIFI 802.11n HT20 (Harmonic @ 3m)

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH01 2412MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH06 2437MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 671335-01 Mode : 18	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 671335-01 Mode : 18

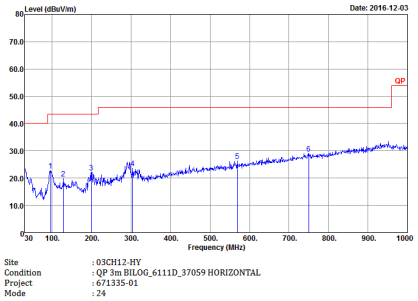
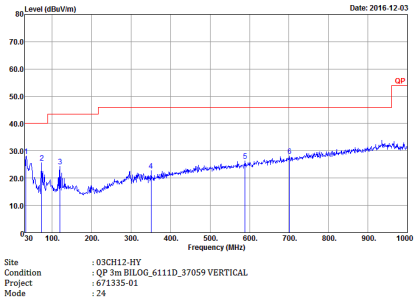
WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH11 2462MHz	
1	Horizontal	Vertical
Peak Avg.	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 HORIZONTAL Detector : Peak Project : 671335-01 Mode : 19	 Site : 03CH12-HY Condition : PEAK_74 3m HORN_9120D_1328 VERTICAL Detector : Peak Project : 671335-01 Mode : 19

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH12 2467MHz	
1	Horizontal	Vertical
Peak Avg.		

WIFI	2.4GHz 2400~2483.5MHz Harmonic @ 3m	
ANT	802.11n HT20 CH13 2472MHz	
1	Horizontal	Vertical
Peak Avg.		

Emission below 1GHz

2.4GHz WIFI 802.11g (LF)

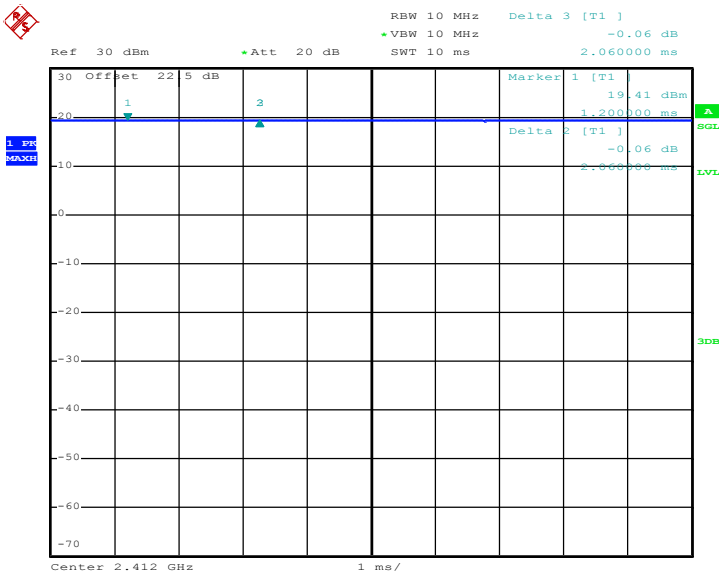
WIFI	2.4GHz 2400~2483.5MHz	
ANT	802.11g LF	
1	Horizontal	Vertical
QP / Peak		

Appendix D. Duty Cycle Plots

<For Unwanted Radiated Emission Measurement>

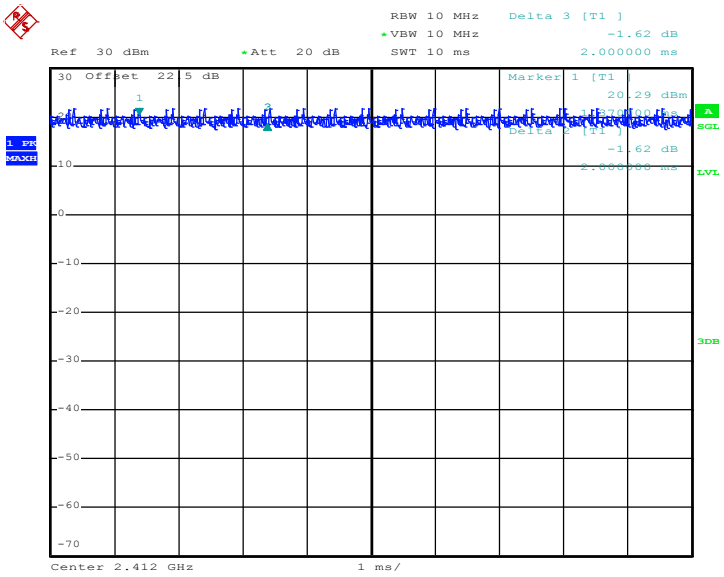
Band	Duty Cycle(%)	T(us)	1/T(kHz)	VBW Setting
802.11b	100	-	-	10Hz
802.11g	100	-	-	10Hz
2.4GHz 802.11n HT20	100	-	-	10Hz

802.11b



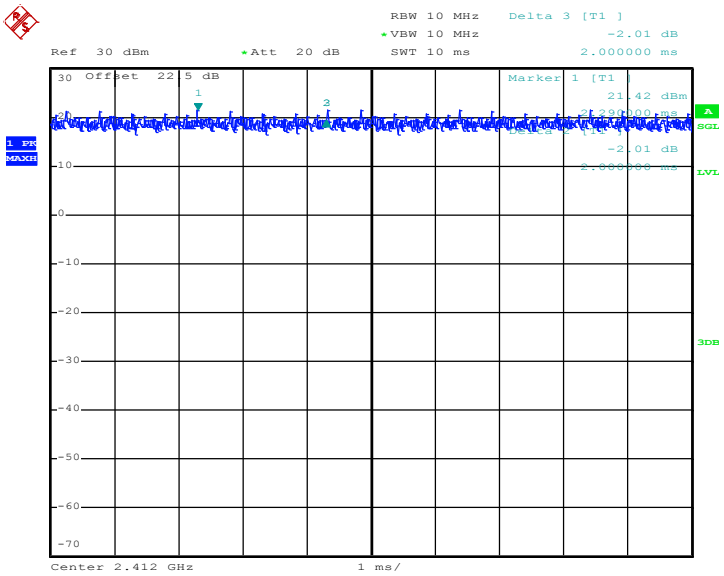
Date: 25.NOV.2016 20:11:11

802.11g



Date: 25.NOV.2016 20:12:30

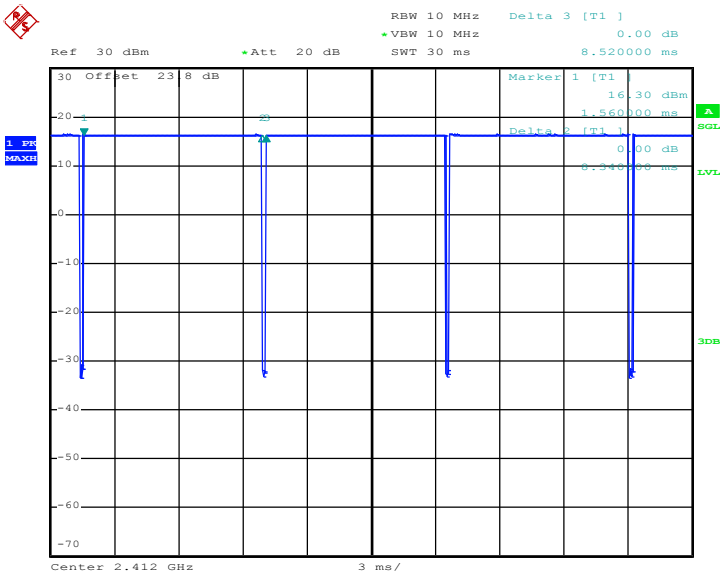
802.11n HT20



Date: 25.NOV.2016 20:23:03

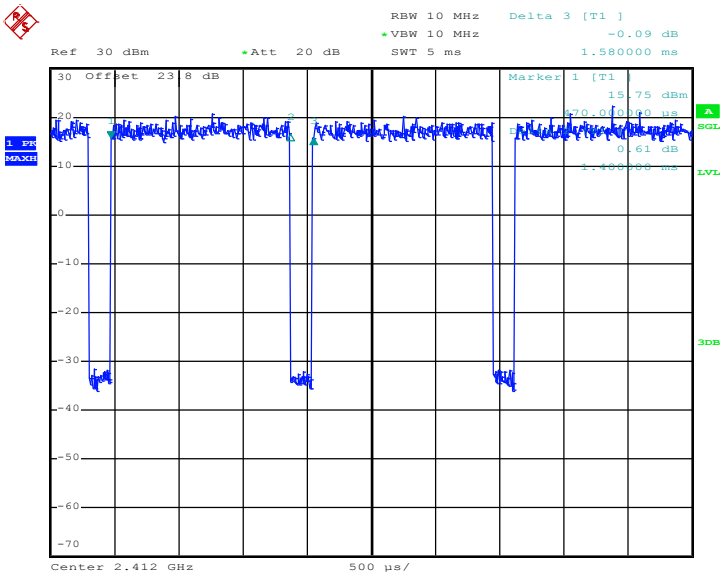
<For Output Power Measurement>

802.11b



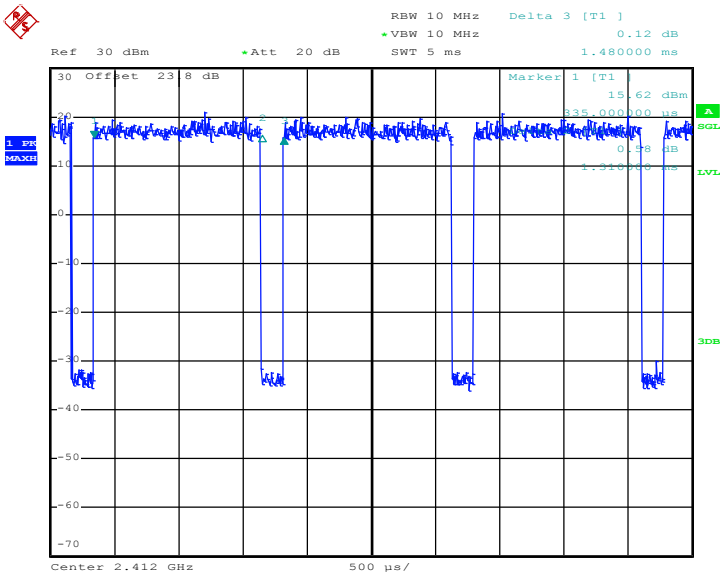
Date: 18.JAN.2017 10:55:51

802.11g



Date: 18.JAN.2017 11:11:10

802.11n HT20



Date: 18.JAN.2017 11:43:11