



FCC RF Test Report

APPLICANT : Ubiquiti Networks, Inc.
EQUIPMENT : UniFi Access Point
BRAND NAME : UBIQUITI
MODEL NAME : UAP-AC-PRO-O
FCC ID : SWX-UAPACPROO
STANDARD : FCC Part 15 Subpart C §15.247
CLASSIFICATION : (DTS) Digital Transmission System

The product was received on Feb. 25, 2016 and testing was completed on Jun. 18, 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.



TABLE OF CONTENTS

REVISION HISTORY	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Applicant	5
1.2 Manufacturer	5
1.3 Product Feature of Equipment Under Test	5
1.4 Product Specification of Equipment Under Test	6
1.5 Modification of EUT	6
1.6 Testing Location	7
1.7 Applicable Standards	8
2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST	9
2.1 Carrier Frequency and Channel	9
2.2 Pre-Scanned RF Power	10
2.3 Test Mode	12
2.4 Connection Diagram of Test System	13
2.5 Support Unit used in test configuration and system	14
2.6 EUT Operation Test Setup	14
2.7 Measurement Results Explanation Example	14
3 TEST RESULT	15
3.1 6dB and 99% Bandwidth Measurement	15
3.2 Peak Output Power Measurement	17
3.3 Power Spectral Density Measurement	18
3.4 Conducted Band Edges and Spurious Emission Measurement	21
3.5 Radiated Band Edges and Spurious Emission Measurement	94
3.6 AC Conducted Emission Measurement	98
3.7 Antenna Requirements	104
4 LIST OF MEASURING EQUIPMENT	105
5 UNCERTAINTY OF EVALUATION	106
APPENDIX A. CONDUCTED TEST RESULTS	
APPENDIX B. RADIATED SPURIOUS EMISSION	
APPENDIX C. RADIATED SPURIOUS EMISSION PLOTS	
APPENDIX D. DUTY CYCLE PLOTS	
APPENDIX E. SETUP PHOTOGRAPHS	



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR622510A	Rev. 01	Initial issue of report	Jun. 22, 2016

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.247(a)(2)	6dB Bandwidth	$\geq 0.5\text{MHz}$	Pass	-
3.1	-	99% Bandwidth	-	Pass	-
3.2	15.247(b)	Power Output Measurement	$\leq 30\text{dBm}$	Pass	-
3.3	15.247(e)	Power Spectral Density	$\leq 8\text{dBm}/3\text{kHz}$	Pass	-
3.4	15.247(d)	Conducted Band Edges	$\leq 20\text{dBc}$	Pass	-
		Conducted Spurious Emission		Pass	-
0	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 0.27 dB at 2372.910 MHz
3.6	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 3.10 dB at 0.526 MHz
3.7	15.203 & 15.247(b)	Antenna Requirement	N/A	Pass	-



1 General Description

1.1 Applicant

Ubiquiti Networks, Inc.

12F, No.105, Song Ren Rd.,SinYi District, Taipei 110,Taiwan

1.2 Manufacturer

Ubiquiti Networks, Inc.

12F, No.105, Song Ren Rd.,SinYi District, Taipei 110,Taiwan

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	UniFi Access Point
Brand Name	UBIQUITI
Model Name	UAP-AC-PRO-O
FCC ID	SWX-UAPACPROO
EUT supports Radios application	WLAN 11a/b/g/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification				
Tx/Rx Channel Frequency Range	802.11b/g/n : 2412 MHz ~ 2462 MHz			
Maximum (Peak) Output Power to antenna	<PTP> 802.11b : 27.06 dBm (0.5082 W) 802.11g : 29.16 dBm (0.8241 W) 802.11n HT20 : 29.04 dBm (0.8017 W) 802.11n HT40 : 28.86 dBm (0.7691 W) <PTMP> 802.11b : 27.06 dBm (0.5082 W) 802.11g : 27.94 dBm (0.6223 W) 802.11n HT20 : 27.94 dBm (0.6223 W) 802.11n HT40 : 27.61 dBm (0.5768 W)			
99% Occupied Bandwidth	<PTP> 802.11b : 11.75MHz 802.11g : 16.70MHz 802.11n HT20 : 17.85MHz 802.11n HT40 : 36.20MHz <PTMP> 802.11b : 11.75MHz 802.11g : 16.70MHz 802.11n HT20 : 17.85MHz 802.11n HT40 : 36.20MHz			
Antenna Type	Ant. 1 : PCB Antenna Ant. 2 : PCB Antenna Ant. 3 : PCB Antenna			
Antenna Gain	Ant. 1 : 8.00 dBi Ant. 2 : 8.00 dBi Ant. 3 : 8.00 dBi			
Type of Modulation	802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)			
Antenna Function for Transmitter		Chain Port 1	Chain Port 2	Chain Port 3
	802.11 b/g/n MIMO	V	V	V

1.5 Modification of EUT

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



1.6 Testing Location

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

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

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

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd Rd. Guishan Dist, Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855	
Test Site No.	Sporton Site No. :	
	03CH11-HY	

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



1.7 Applicable Standards

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

- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v03r05
- ♦ FCC KDB 662911 D01 Multiple Transmitter Output v02r01.
- ♦ ANSI C63.10-2013

Remark:

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



2 Test Configuration of Equipment Under Test

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

The final configuration from all the combinations and the worst-case data rates were investigated by measuring the maximum power across all the data rates and modulation modes under section 2.2.

Based on the worst configuration found above, the RF power setting is set individually to meet FCC compliance limit for the final conducted and radiated tests shown in section 2.3.

2.1 Carrier Frequency and Channel

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



2.2 Pre-Scanned RF Power

Preliminary tests were performed in different data rate and data rate associated with the highest power were chosen for full test shown in the following tables.

<PTP>

<MIMO Ant. Port 1+2+3>

802.11b				
Data Rate (MHz)	1M bps	2M bps	5.5M bps	11M bps
Peak Power (dBm)	27.06	26.93	25.59	26.65

802.11g								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Peak Power (dBm)	29.16	28.66	28.67	28.66	28.66	28.66	28.66	28.66

2.4GHz 802.11n HT20								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Peak Power (dBm)	29.04	28.39	28.35	28.30	28.30	28.31	28.33	28.33

2.4GHz 802.11n HT40								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Peak Power (dBm)	28.86	28.31	28.29	28.30	28.27	28.25	28.24	28.24



<PTMP>

<MIMO Ant. Port 1+2+3>

802.11b				
Data Rate (MHz)	1M bps	2M bps	5.5M bps	11M bps
Peak Power (dBm)	27.06	26.93	25.59	26.65

802.11g								
Data Rate (MHz)	6M bps	9M bps	12M bps	18M bps	24M bps	36M bps	48M bps	54M bps
Peak Power (dBm)	27.94	27.89	27.82	27.80	27.74	27.69	27.65	27.61

2.4GHz 802.11n HT20								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Peak Power (dBm)	27.94	27.91	27.84	27.85	27.82	27.75	27.76	27.73

2.4GHz 802.11n HT40								
Data Rate (MHz)	MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7
Peak Power (dBm)	27.61	27.60	27.58	27.58	27.55	27.56	27.53	27.54

Note: MIMO Ant. 1+2+3 is a calculated result from sum of the power MIMO Ant. 1, MIMO Ant. 2 and MIMO Ant. 3.



2.3 Test Mode

Final test mode of conducted test items and radiated spurious emissions are considering the modulation and worse data rates from the power table described in section 2.2.

MIMO Antenna

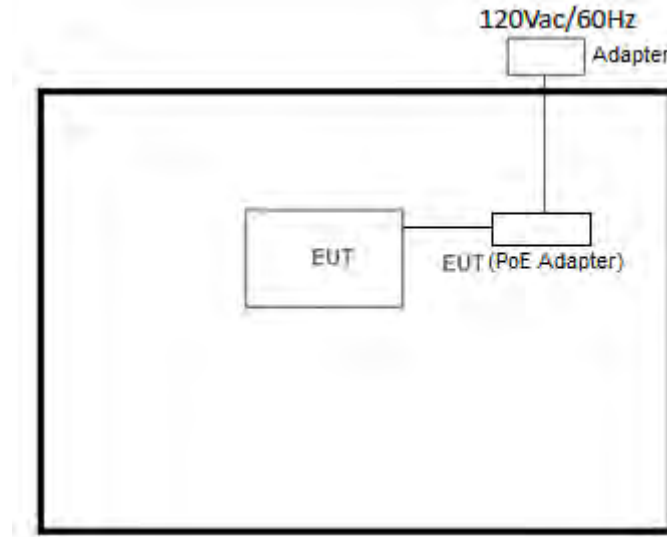
<2.4GHz>

Modulation	Data Rate
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0

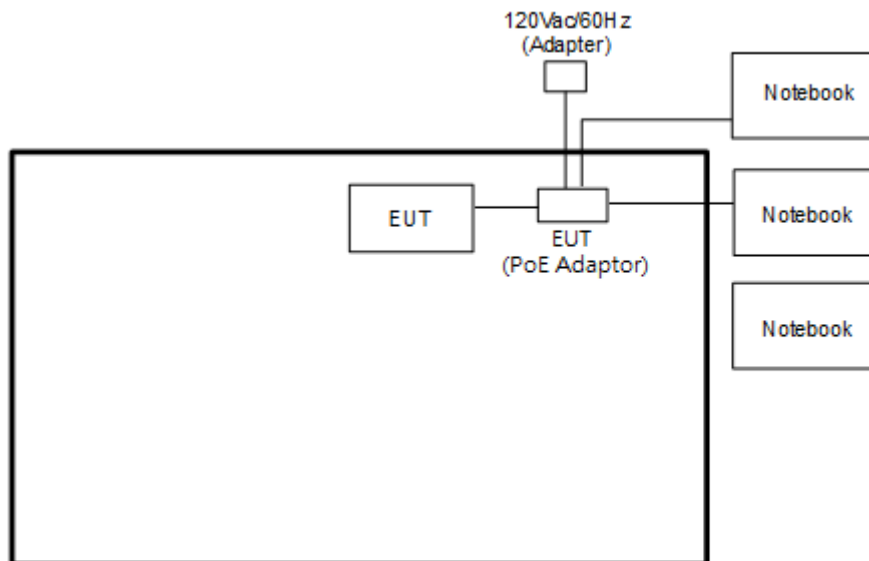
Test Cases	
AC Conducted Emission	Mode 1 : WLAN (2.4GHz) Link + PoE Adapter + LAN Link

2.4 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>





2.5 Support Unit used in test configuration and system

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

2.6 EUT Operation Test Setup

For WLAN function, programmed RF utility, "Cart.exe" installed in the notebook make the EUT provide functions like channel selection and power level for continuous transmitting and receiving signals.

2.7 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.

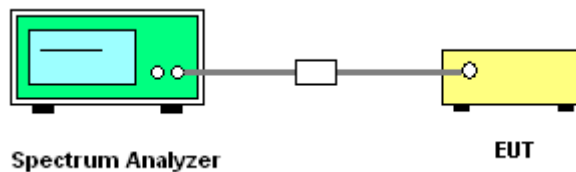
3.1.2 Measuring Instruments

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

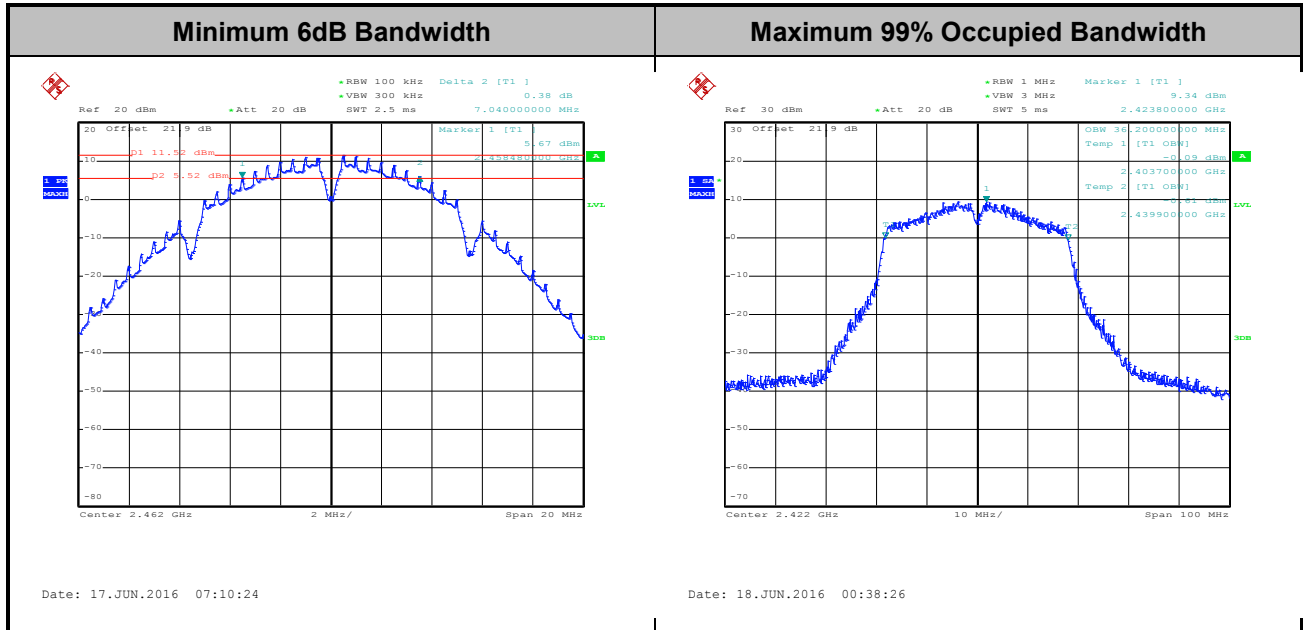




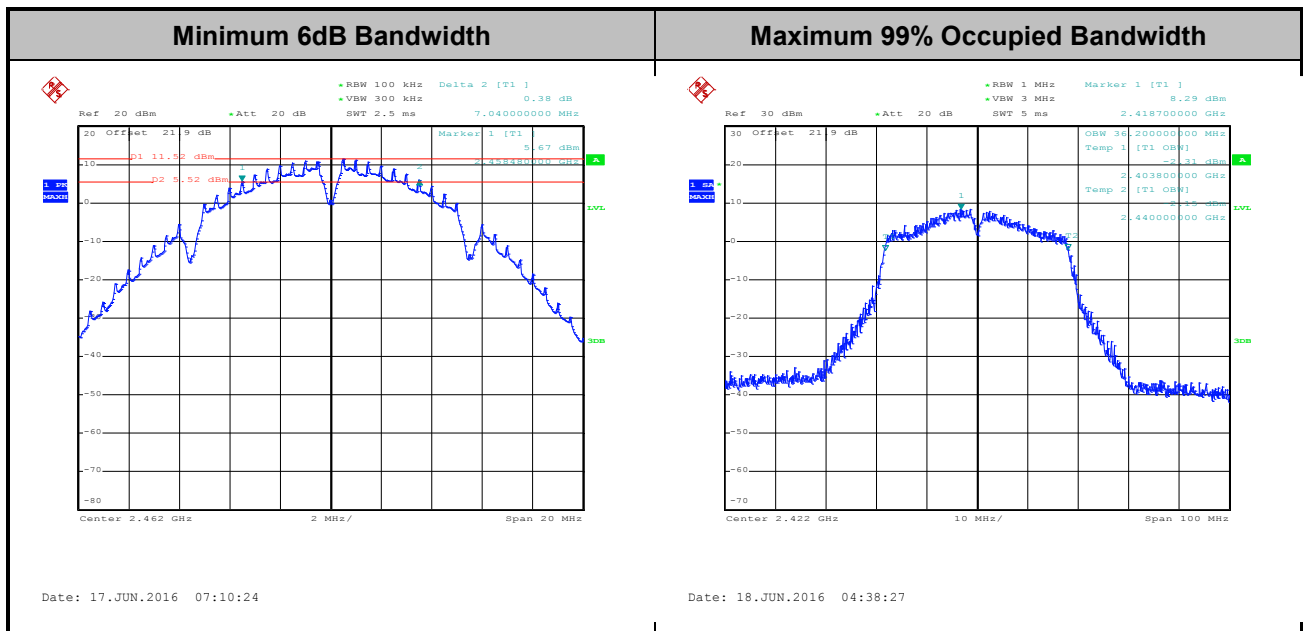
3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

Please refer to Appendix A of this report.

<PTP>



<PTMP>



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

3.2 Peak Output Power Measurement

3.2.1 Limit of Peak Output Power

For systems using digital modulation in the 2400-2483.5MHz, the limit for peak output power is 30dBm. If transmitting antenna with directional gain greater than 6dBi is 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.

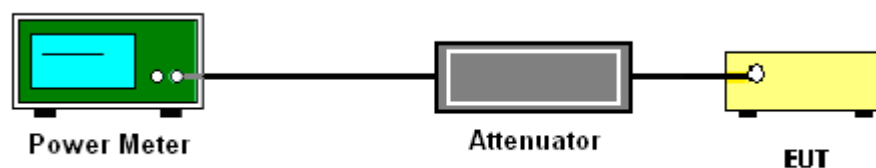
3.2.2 Measuring Instruments

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

3.2.4 Test Setup



3.2.5 Test Result of Peak Output Power

Please refer to Appendix A of this test report.

3.2.6 Test Result of Average output Power (Reporting Only)

Please refer to Appendix A of this test report.

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

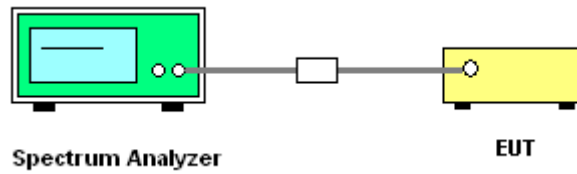
If measurements performed using method (2) plus $10 \log(N)$ exceeds the emission limit, the test should choose method (1) before declaring that the device fails the emission limit.

Method (1): Measure and sum the spectra across the outputs.

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

Method (2): Measure and add $10 \log(N)$ dB, where N is the number of outputs. (N=2)

3.3.4 Test Setup

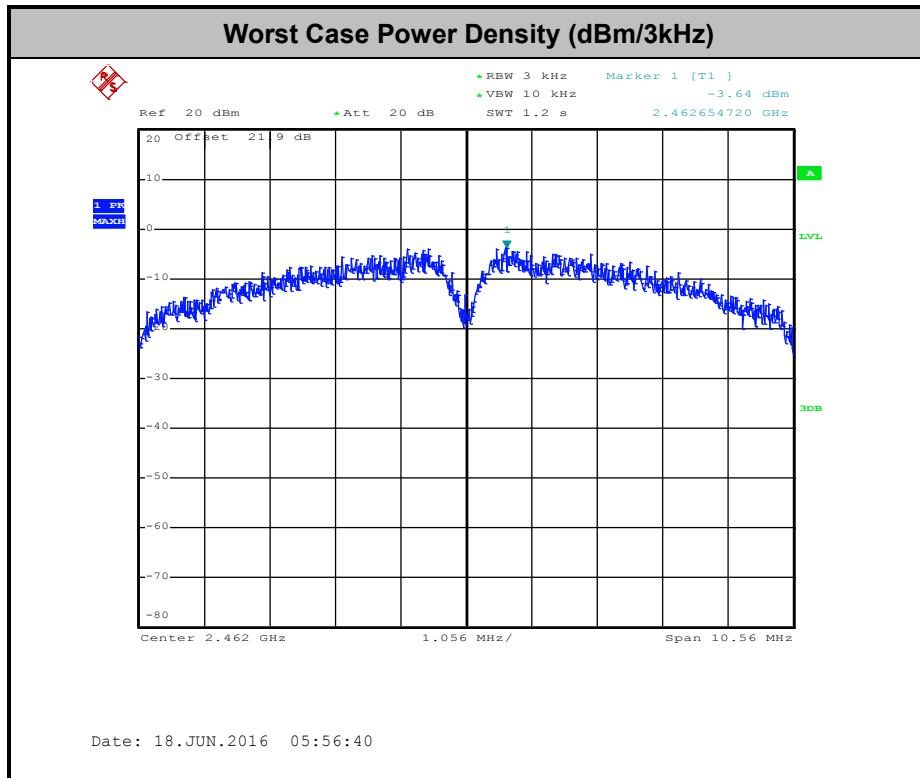


3.3.5 Test Result of Power Spectral Density

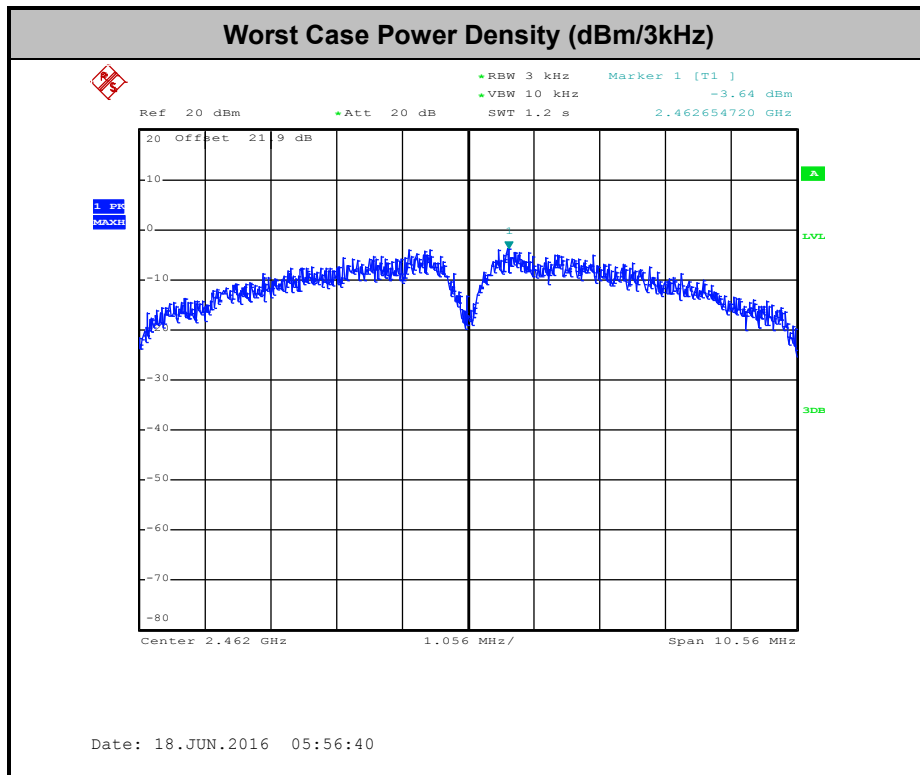
Please refer to Appendix A.



<PTP>



<PTMP>



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).

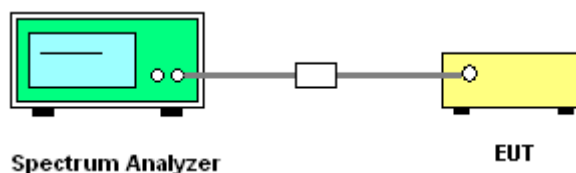
3.4.2 Measuring Instruments

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

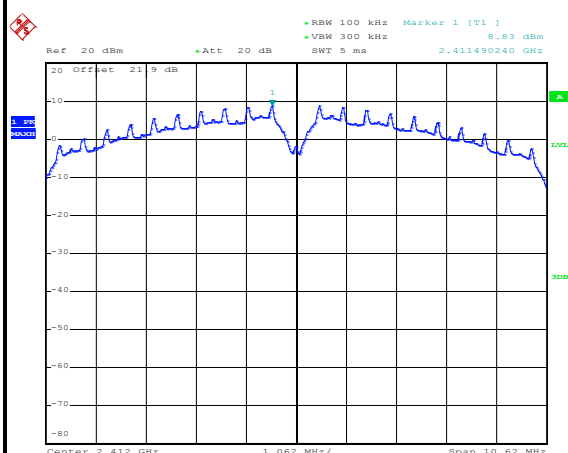
<PTP>

Number of TX = 3, Ant. 1 (Measured)

Number of TX	3	Ant. :	1
Test Mode :	802.11b	Temperature :	21~25℃
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

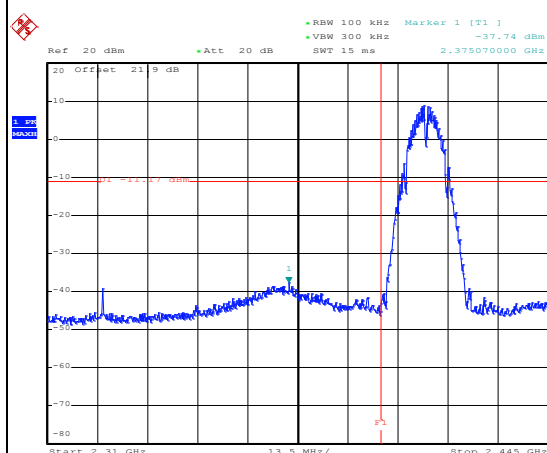
WLAN 802.11b Channel 01

100kHz PSD reference Level



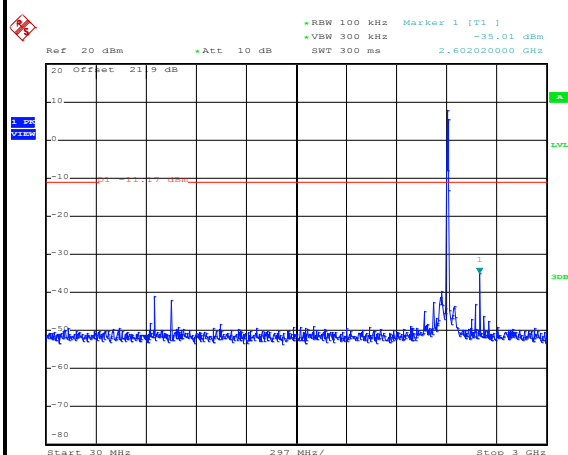
Date: 17.JUN.2016 07:04:01

Low Channel Plot



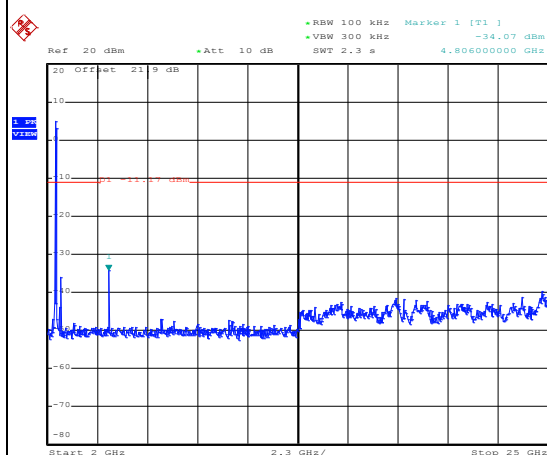
Date: 17.JUN.2016 07:04:53

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:05:04

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 07:05:13

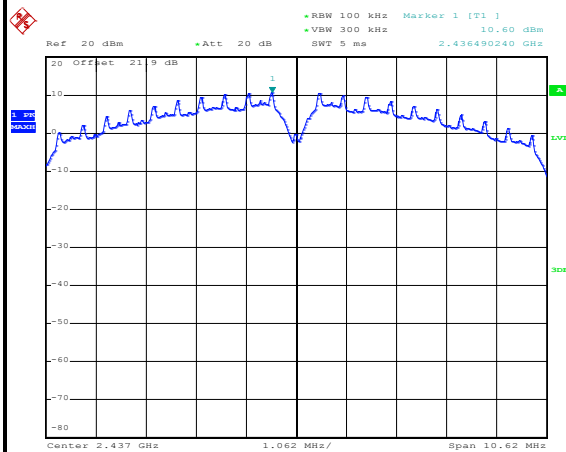


Number of TX :	3	Ant. :	1
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11b Channel 06

100kHz PSD reference Level

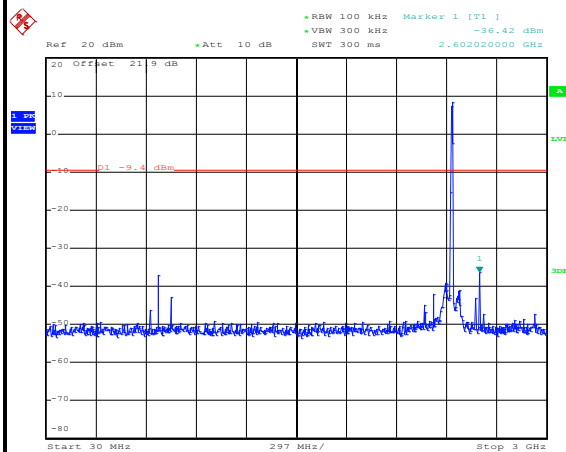
Mid Channel Plot



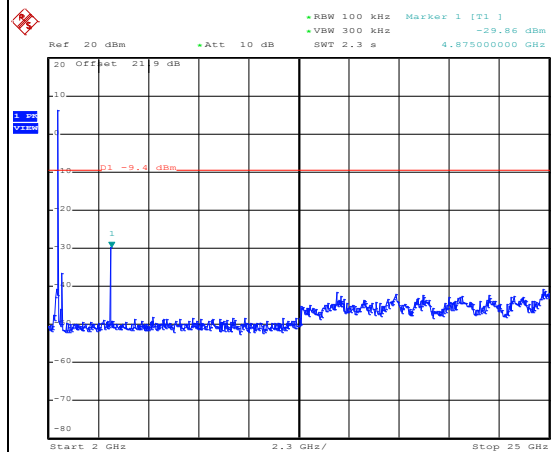
Date: 17.JUN.2016 07:08:11

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 07:08:22



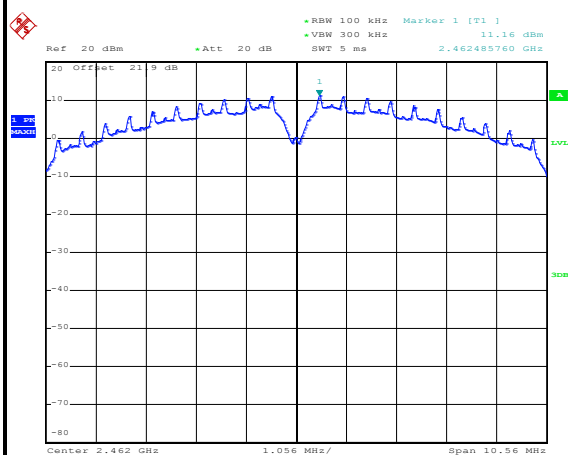
Date: 17.JUN.2016 07:08:31



Number of TX :	3	Ant. :	1
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

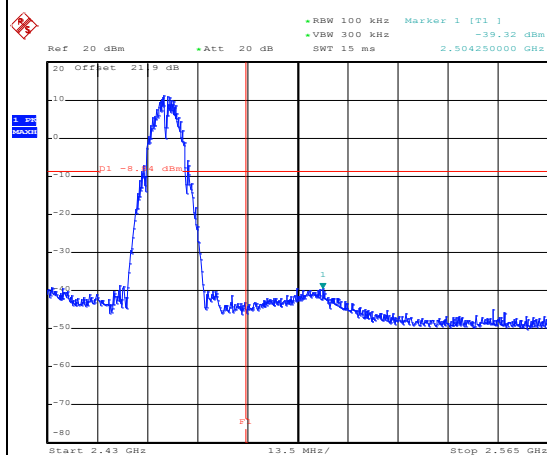
WLAN 802.11b Channel 11

100kHz PSD reference Level



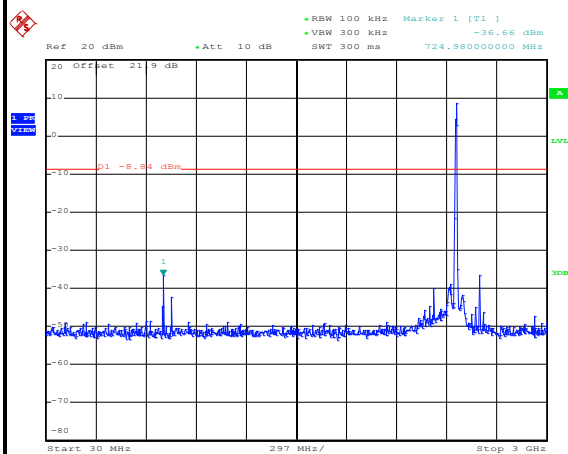
Date: 17.JUN.2016 07:10:57

High Channel Plot



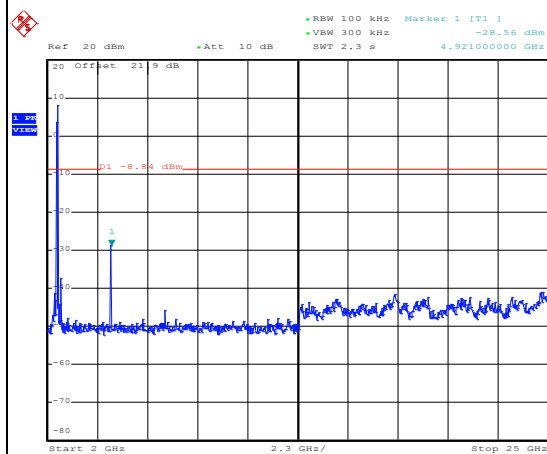
Date: 17.JUN.2016 07:11:26

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:11:40

Spurious Emission 2GHz~25GHz



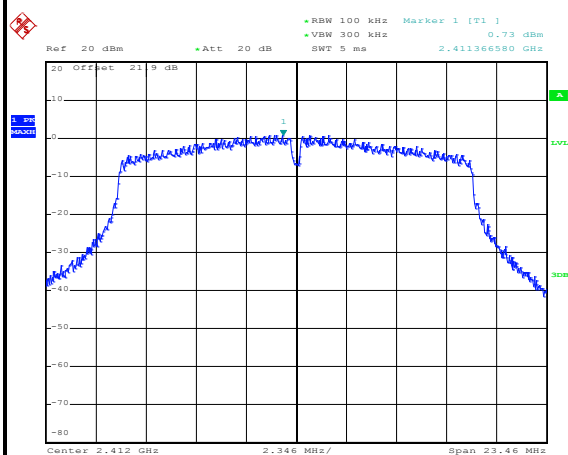
Date: 17.JUN.2016 07:11:48



Number of TX :	3	Ant. :	1
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

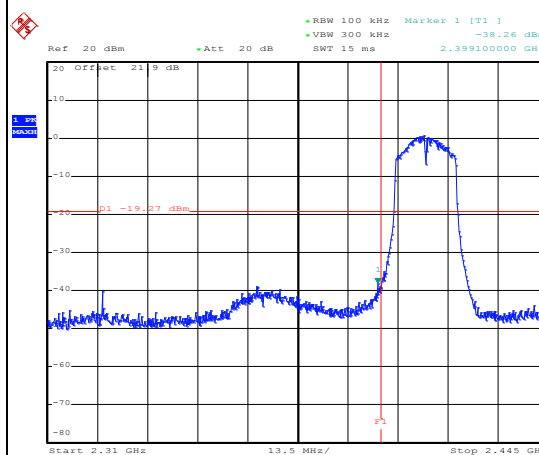
WLAN 802.11g Channel 01

100kHz PSD reference Level



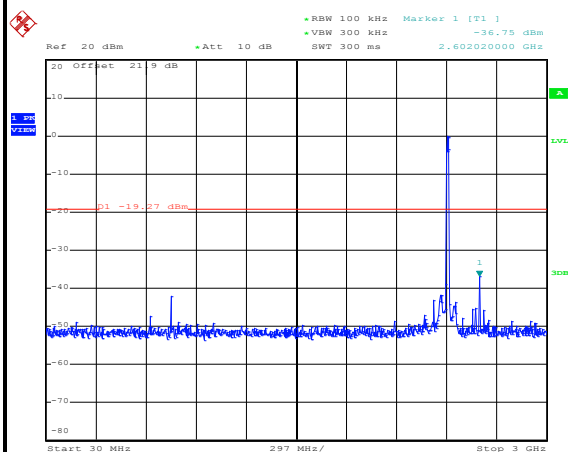
Date: 17.JUN.2016 08:20:45

Low Channel Plot



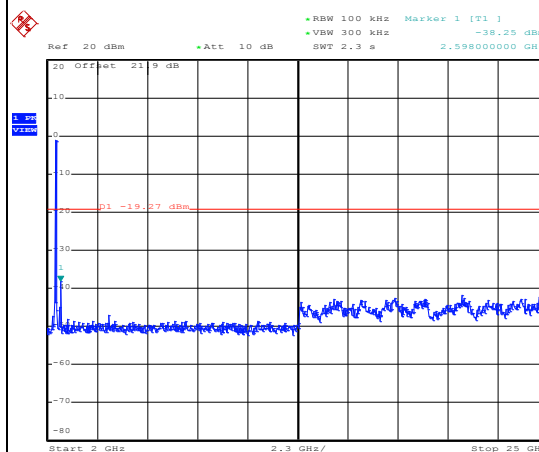
Date: 17.JUN.2016 08:20:59

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 08:21:10

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 08:21:18

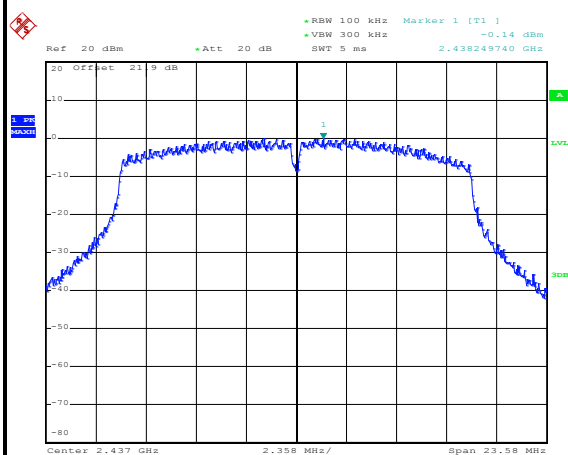


Number of TX :	3	Ant. :	1
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11g Channel 06

100kHz PSD reference Level

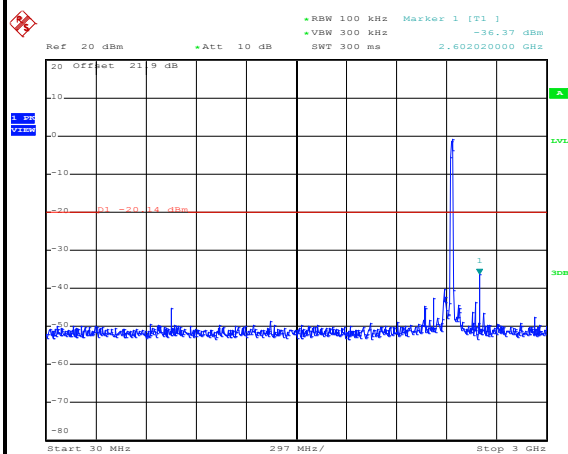
Mid Channel Plot



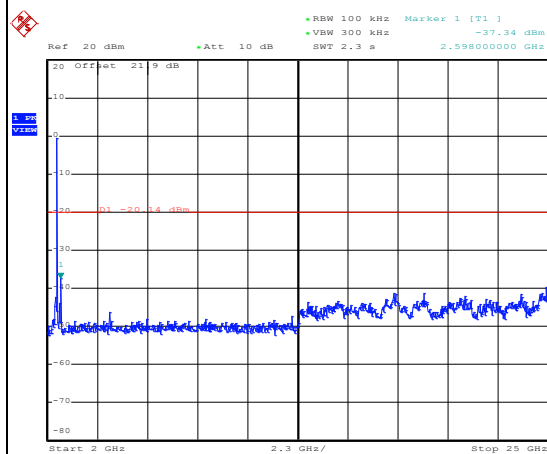
Date: 17.JUN.2016 08:24:43

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 08:24:54



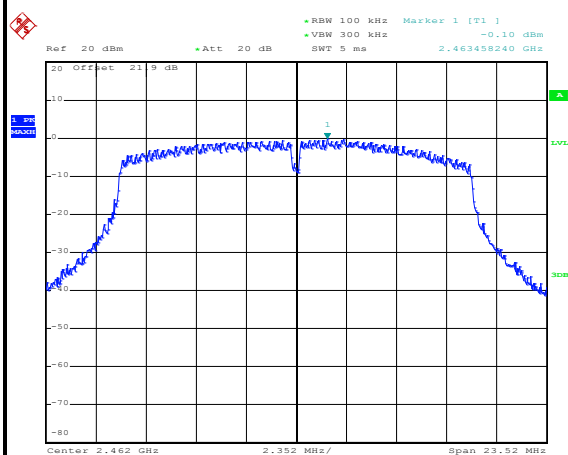
Date: 17.JUN.2016 08:25:03



Number of TX :	3	Ant. :	1
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

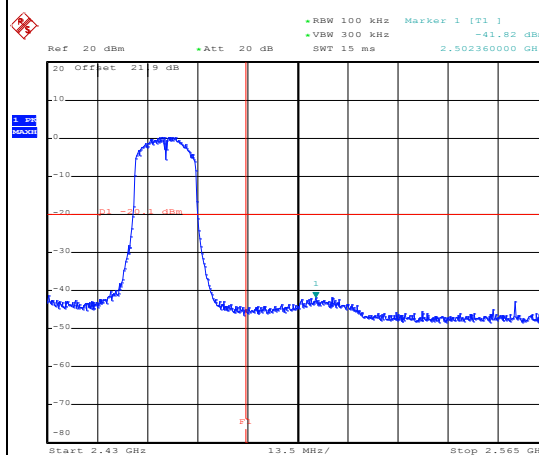
WLAN 802.11g Channel 11

100kHz PSD reference Level



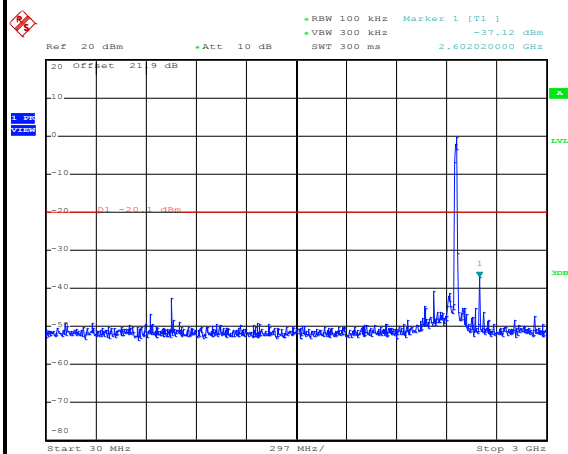
Date: 17.JUN.2016 08:27:56

High Channel Plot



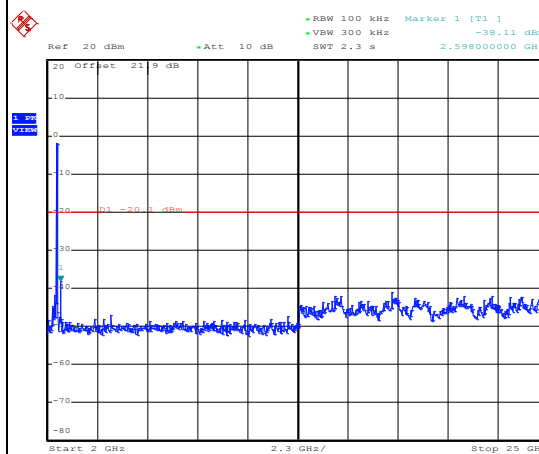
Date: 17.JUN.2016 08:30:51

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 08:31:11

Spurious Emission 2GHz~25GHz



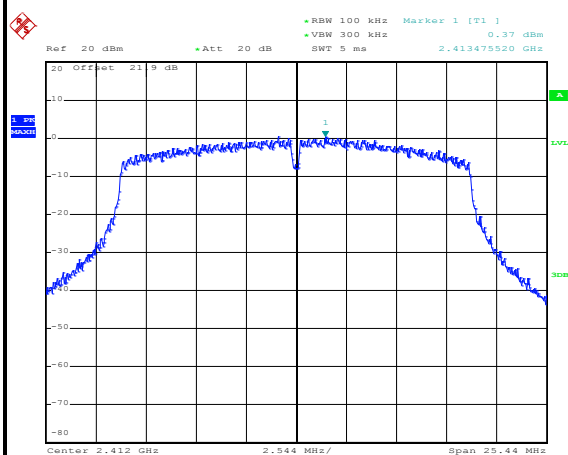
Date: 17.JUN.2016 08:31:19



Number of TX :	3	Ant. :	1
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

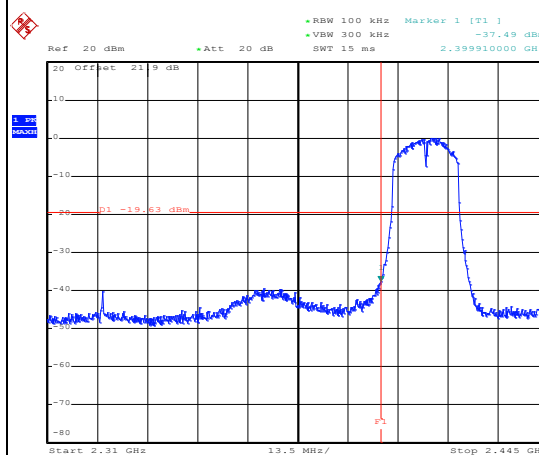
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



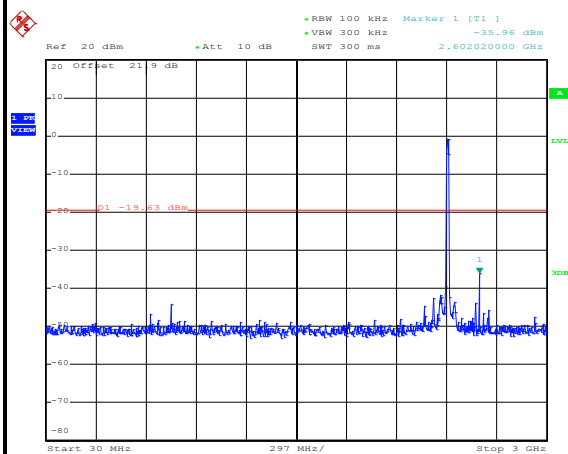
Date: 17.JUN.2016 23:38:48

Low Channel Plot



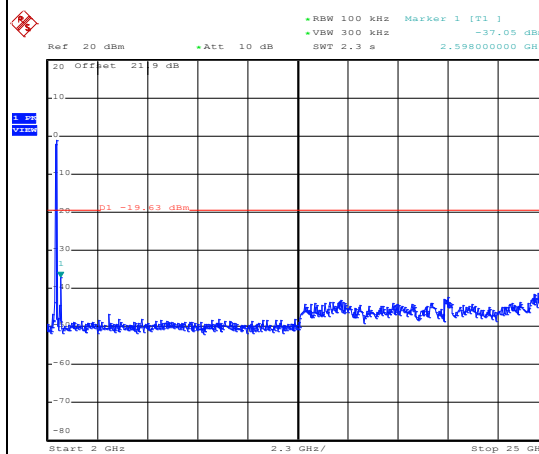
Date: 17.JUN.2016 23:39:13

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 23:39:26

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 23:39:34

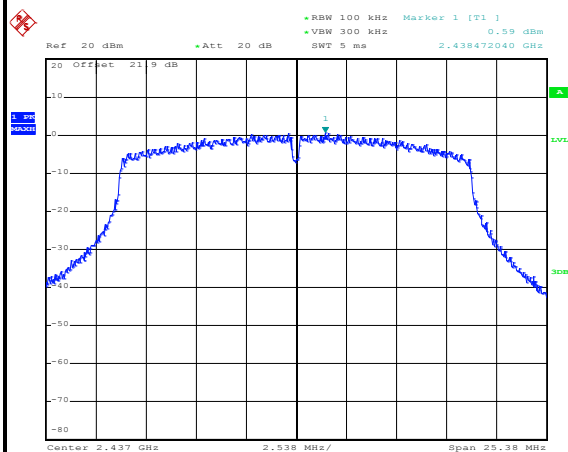


Number of TX :	3	Ant. :	1
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level

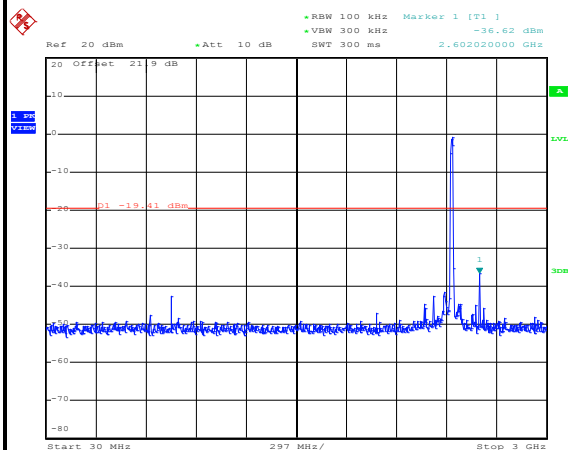
Mid Channel Plot



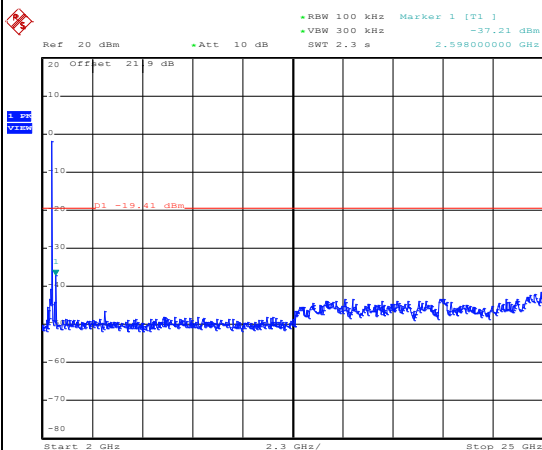
Date: 17.JUN.2016 23:42:08

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 23:42:20



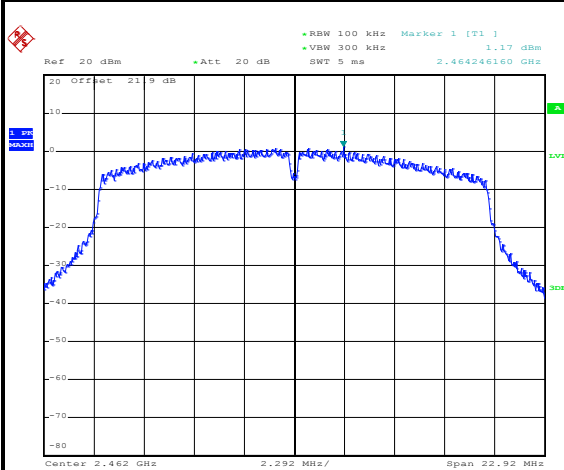
Date: 17.JUN.2016 23:42:29



Number of TX :	3	Ant. :	1
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

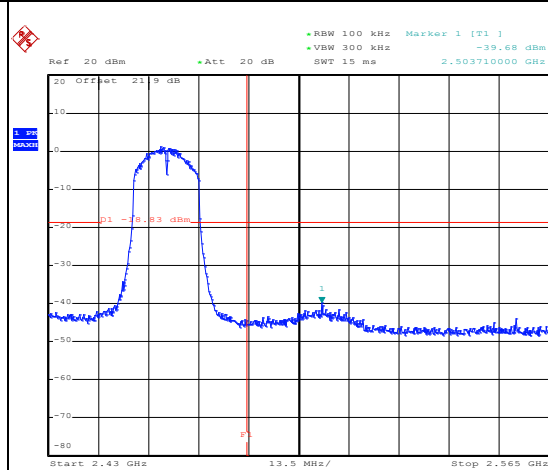
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



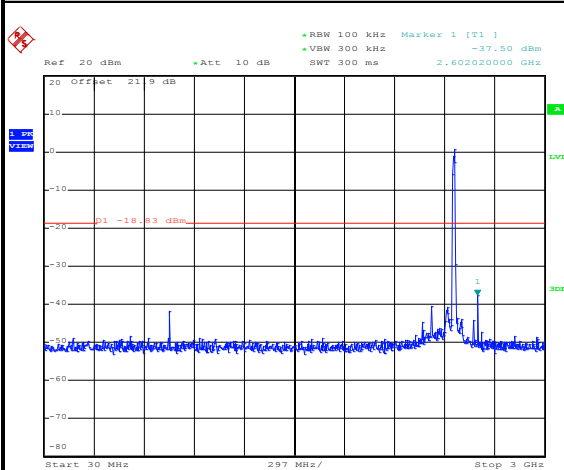
Date: 17.JUN.2016 23:45:14

High Channel Plot



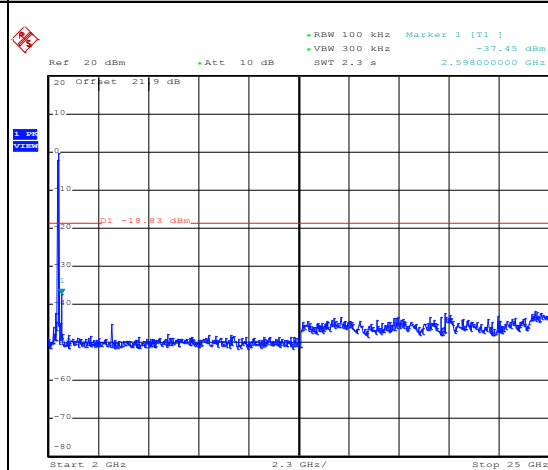
Date: 17.JUN.2016 23:47:25

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 23:47:36

Spurious Emission 2GHz~25GHz



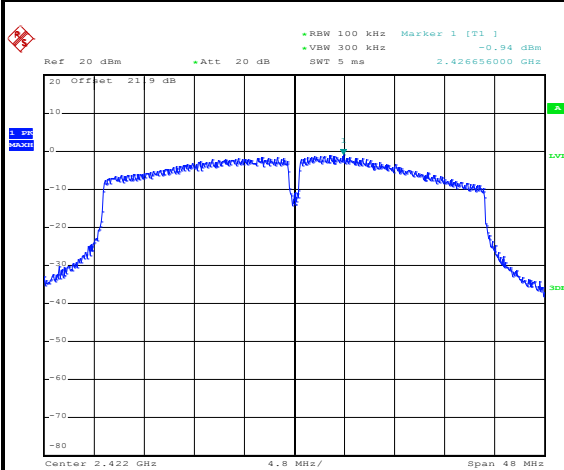
Date: 17.JUN.2016 23:47:44



Number of TX :	3	Ant. :	1
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

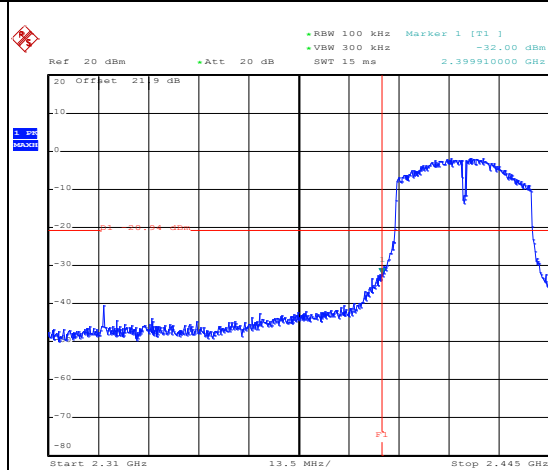
WLAN 802.11n HT40 Channel 03

100kHz PSD reference Level



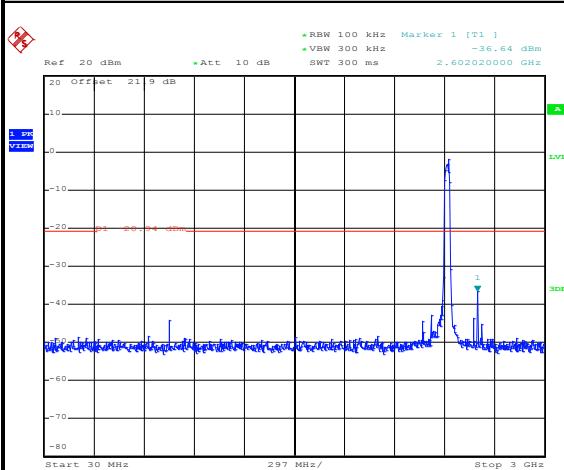
Date: 18.JUN.2016 01:52:48

Low Channel Plot



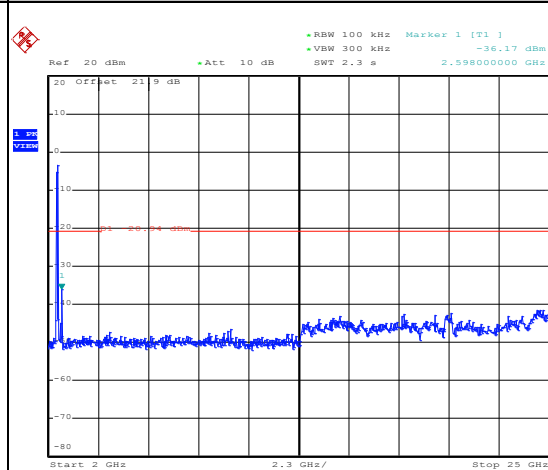
Date: 18.JUN.2016 01:53:15

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 01:53:26

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 01:53:35

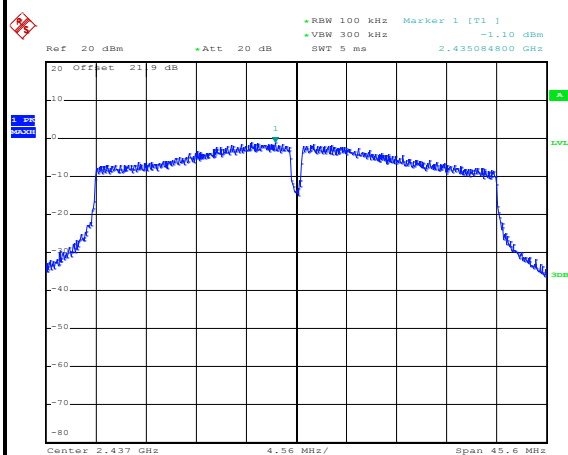


Number of TX :	3	Ant. :	1
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11n HT40 Channel 06

100kHz PSD reference Level

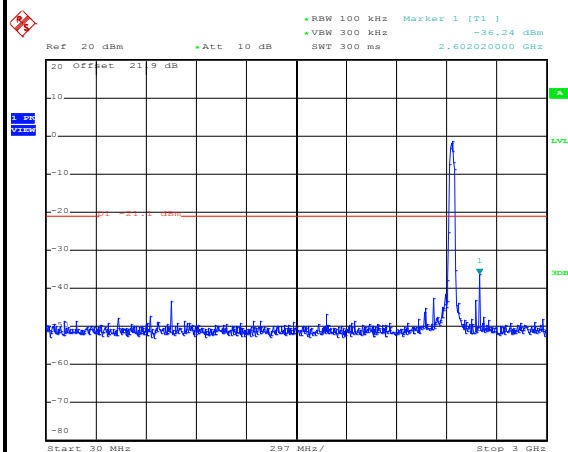
Mid Channel Plot



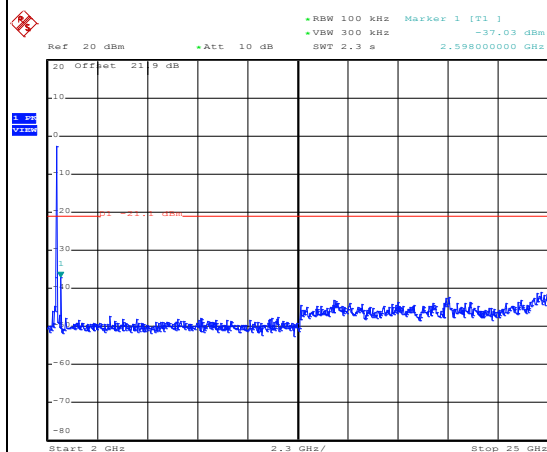
Date: 18.JUN.2016 01:09:41

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 01:09:53



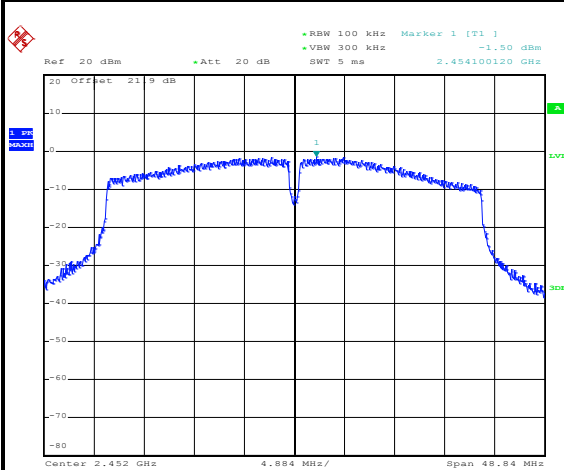
Date: 18.JUN.2016 01:10:01



Number of TX :	3	Ant. :	1
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

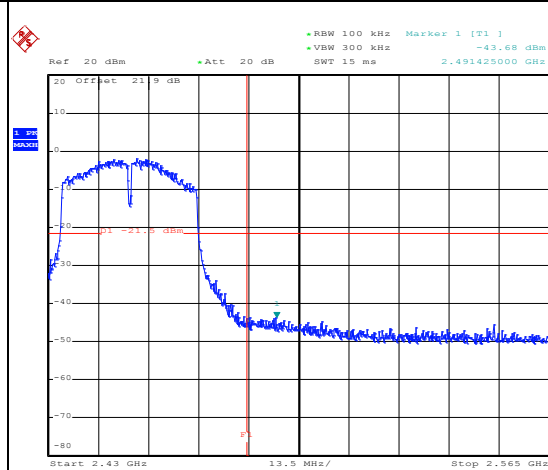
WLAN 802.11n HT40 Channel 09

100kHz PSD reference Level



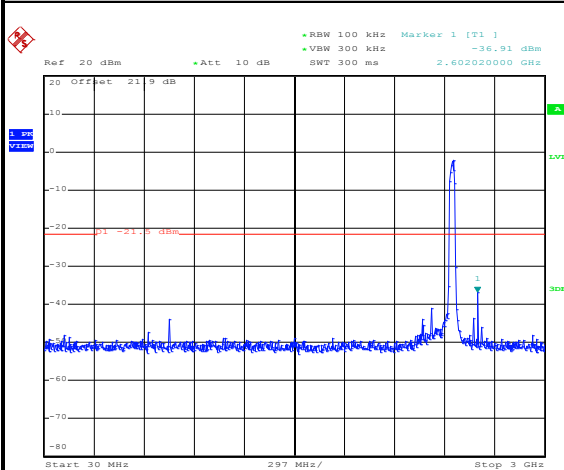
Date: 18.JUN.2016 01:13:53

High Channel Plot



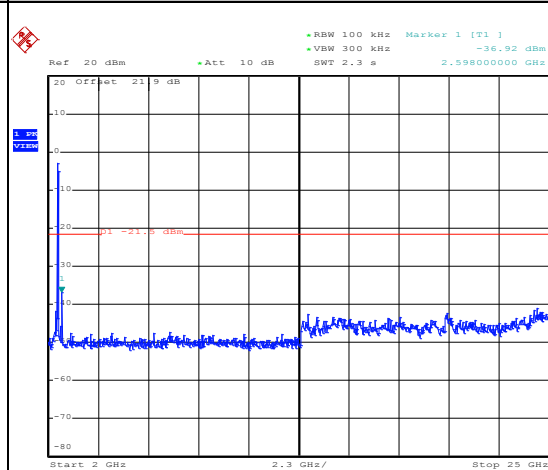
Date: 18.JUN.2016 01:14:34

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 01:14:45

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 01:14:54

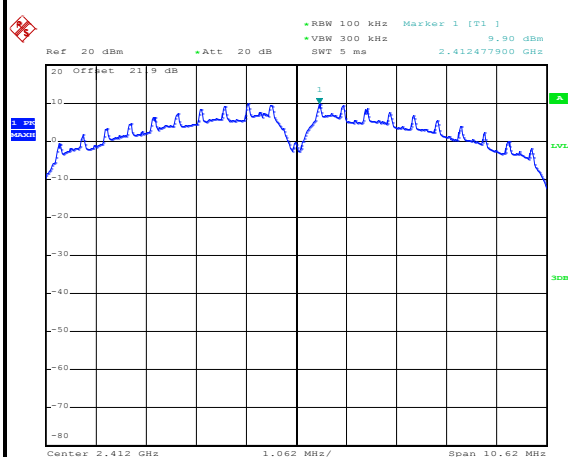


Number of TX = 3, Ant. 2 (Measured)

Number of TX :	3	Ant. :	2
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

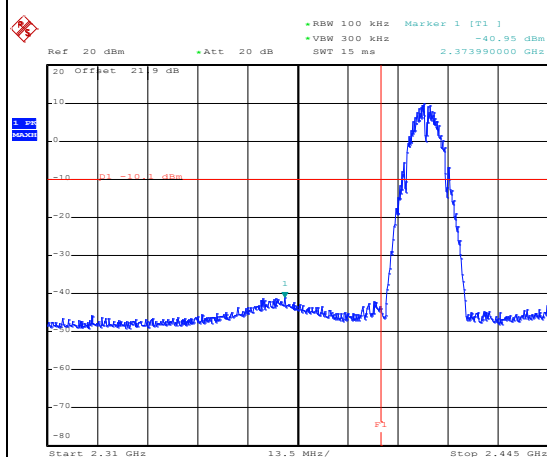
WLAN 802.11b Channel 01

100kHz PSD reference Level



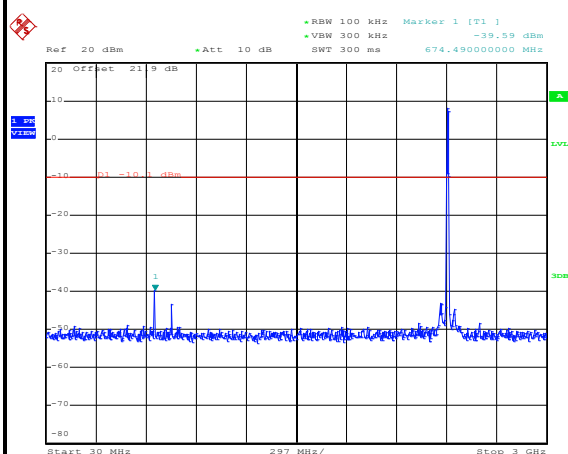
Date: 17.JUN.2016 07:18:41

Low Channel Plot



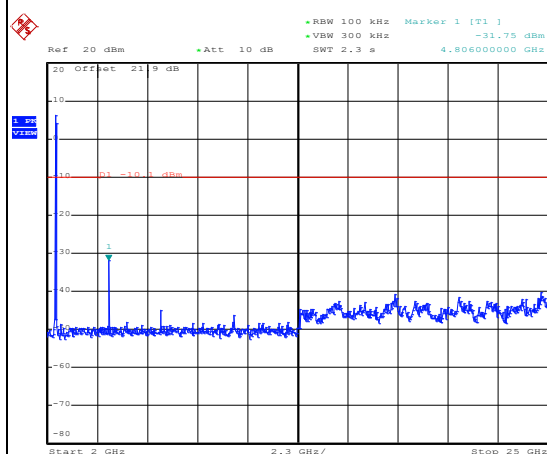
Date: 17.JUN.2016 07:19:27

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:21:47

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 07:21:55

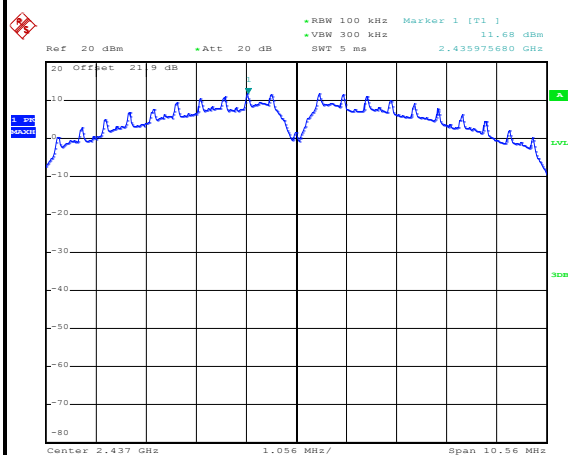


Number of TX :	3	Ant. :	2
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11b Channel 06

100kHz PSD reference Level

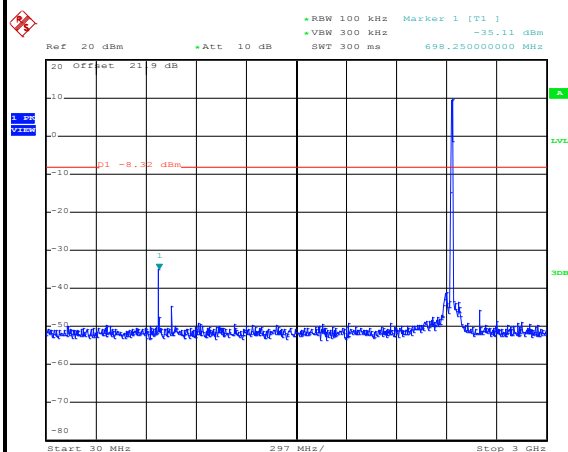
Mid Channel Plot



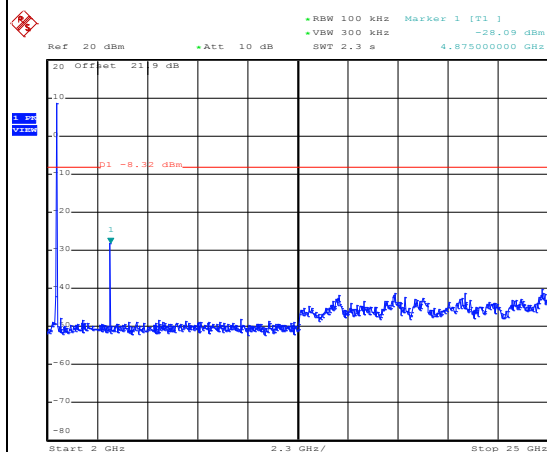
Date: 17.JUN.2016 07:23:38

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 07:23:53



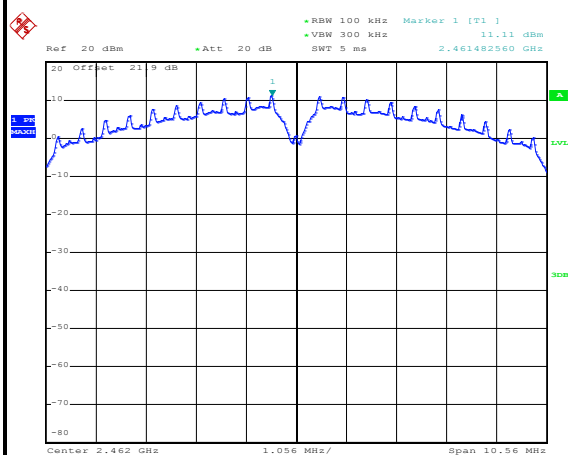
Date: 17.JUN.2016 07:24:01



Number of TX :	3	Ant. :	2
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

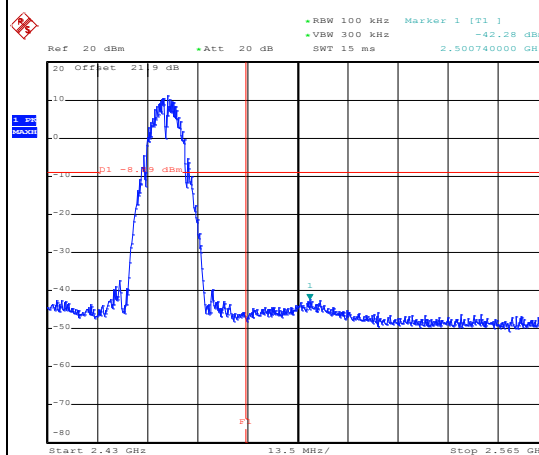
WLAN 802.11b Channel 11

100kHz PSD reference Level



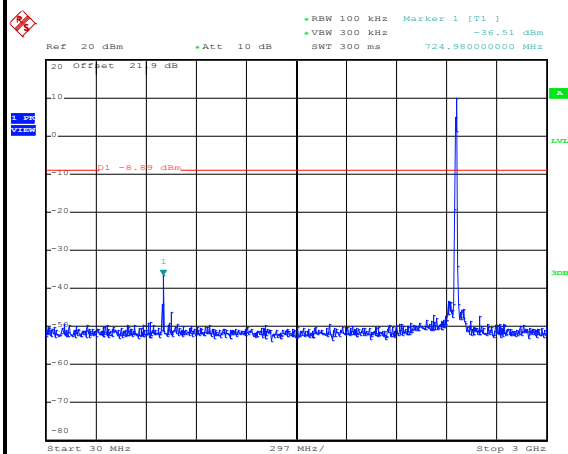
Date: 17.JUN.2016 07:28:36

High Channel Plot



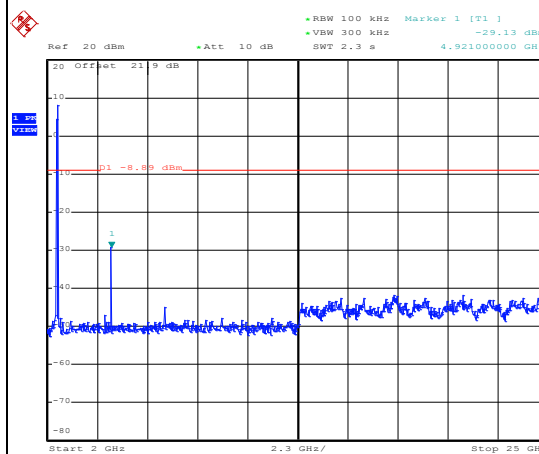
Date: 17.JUN.2016 07:29:01

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:29:16

Spurious Emission 2GHz~25GHz



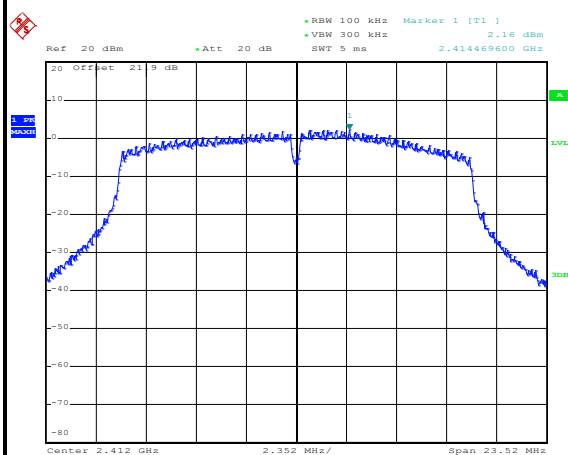
Date: 17.JUN.2016 07:29:24



Number of TX :	3	Ant. :	2
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

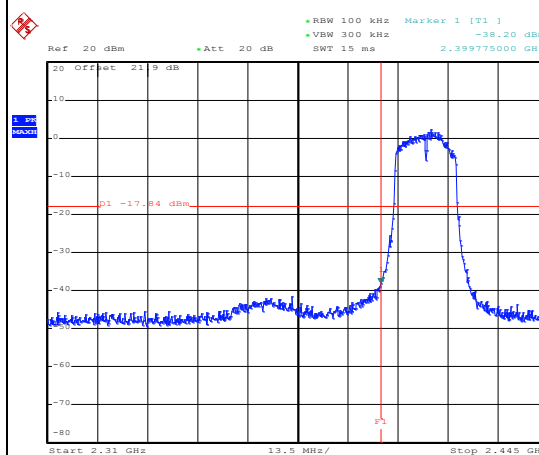
WLAN 802.11g Channel 01

100kHz PSD reference Level



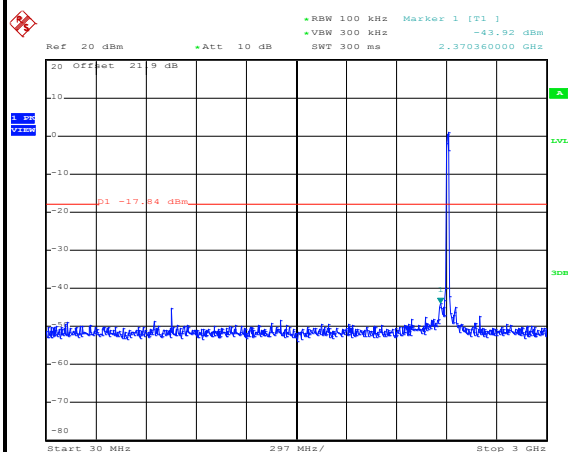
Date: 17.JUN.2016 08:16:34

Low Channel Plot



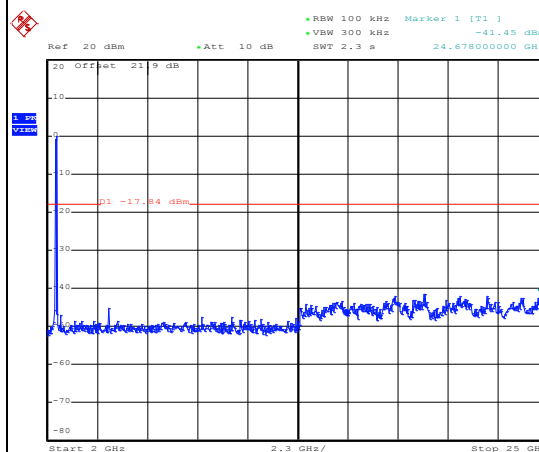
Date: 17.JUN.2016 08:16:50

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 08:17:04

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 08:17:13

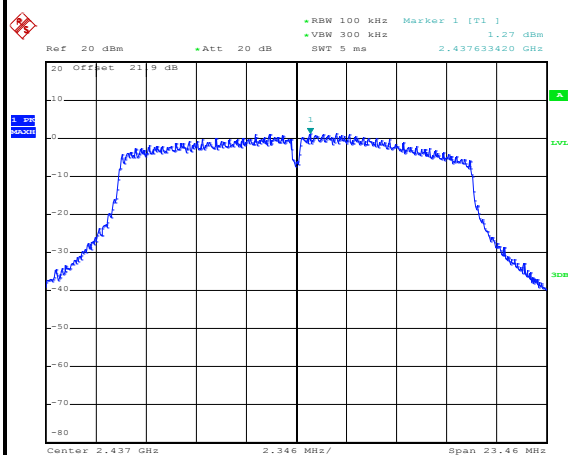


Number of TX :	3	Ant. :	2
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11g Channel 06

100kHz PSD reference Level

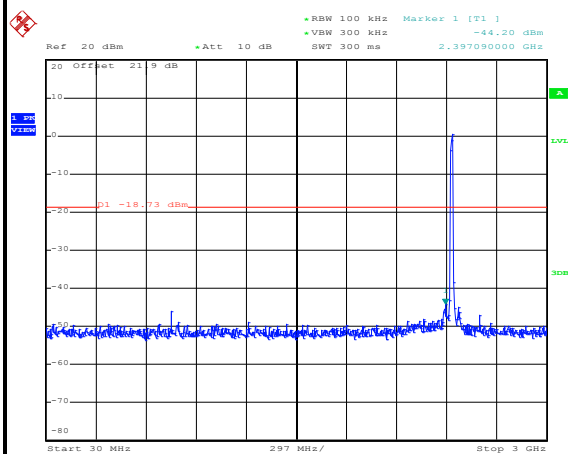
Mid Channel Plot



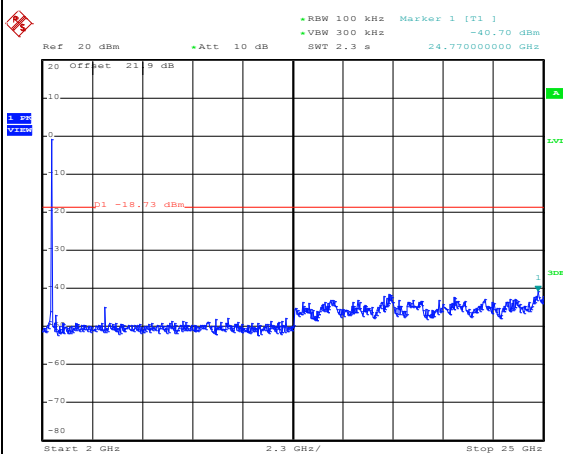
Date: 17.JUN.2016 08:11:50

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 08:12:02



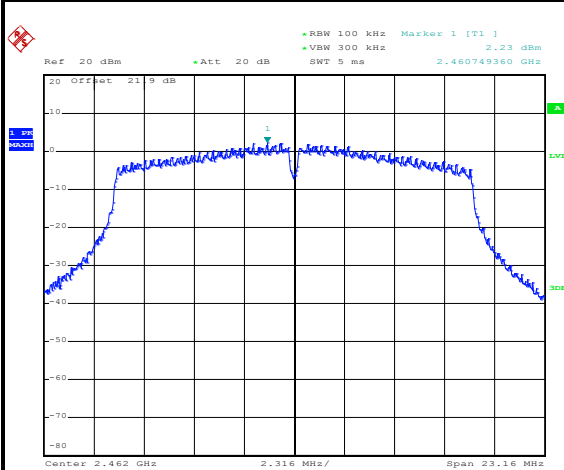
Date: 17.JUN.2016 08:12:10



Number of TX :	3	Ant. :	2
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

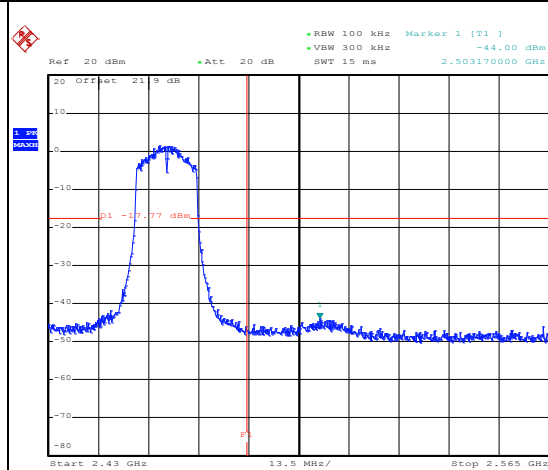
WLAN 802.11g Channel 11

100kHz PSD reference Level



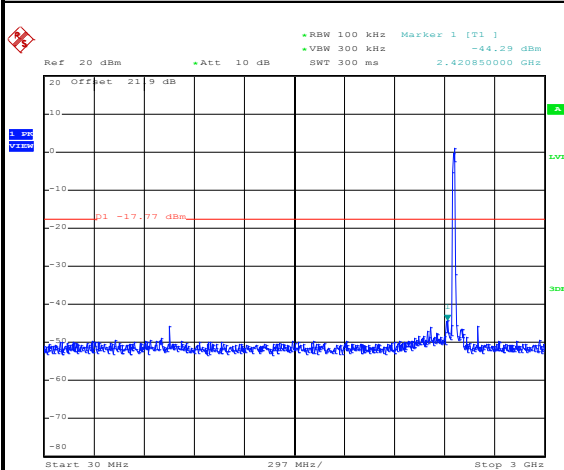
Date: 17.JUN.2016 08:01:53

High Channel Plot



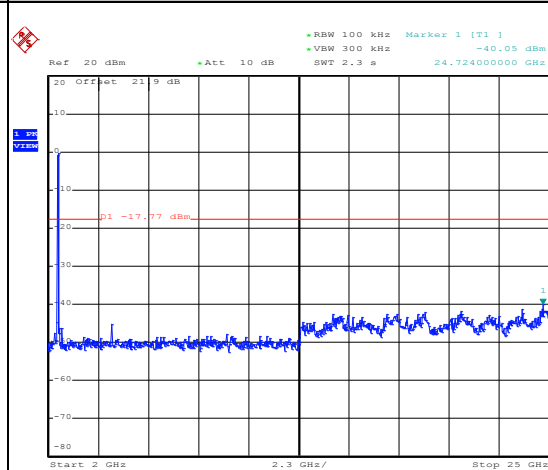
Date: 17.JUN.2016 08:02:22

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 08:03:45

Spurious Emission 2GHz~25GHz



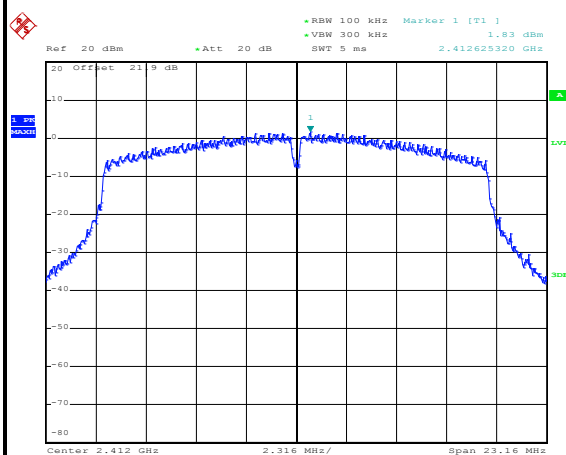
Date: 17.JUN.2016 08:03:53



Number of TX :	3	Ant. :	2
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

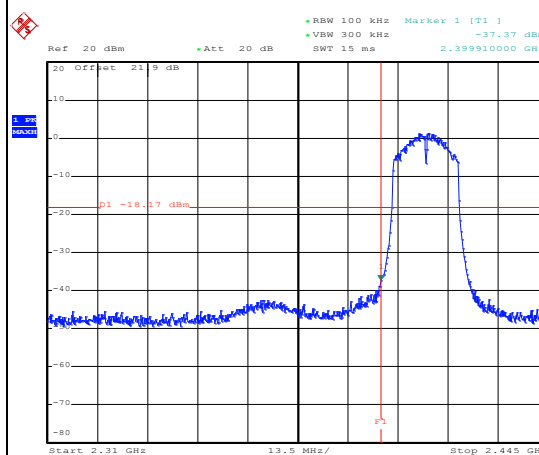
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



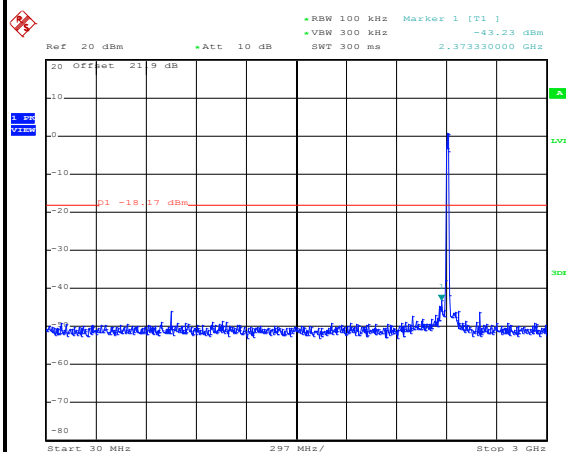
Date: 18.JUN.2016 00:00:32

Low Channel Plot



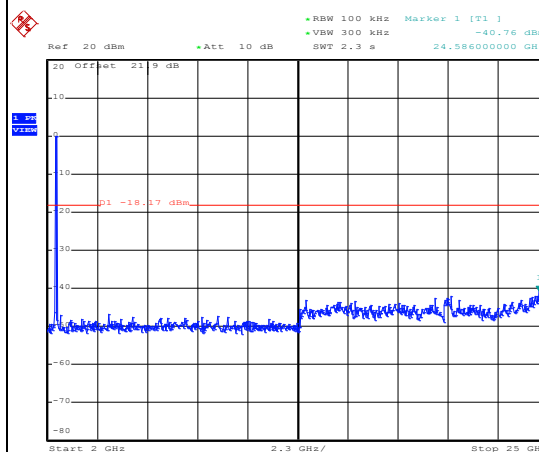
Date: 18.JUN.2016 00:00:49

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 00:01:02

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 00:01:11

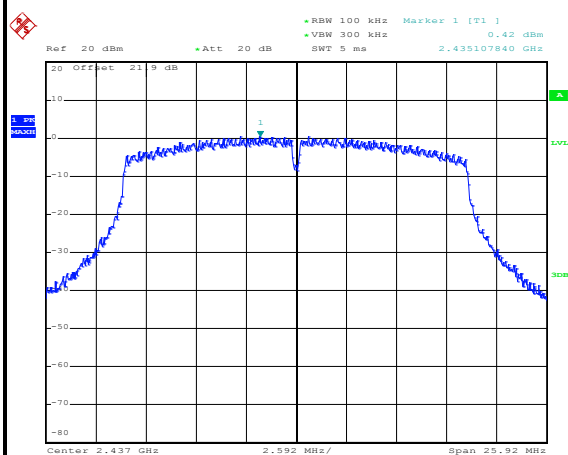


Number of TX :	3	Ant. :	2
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level

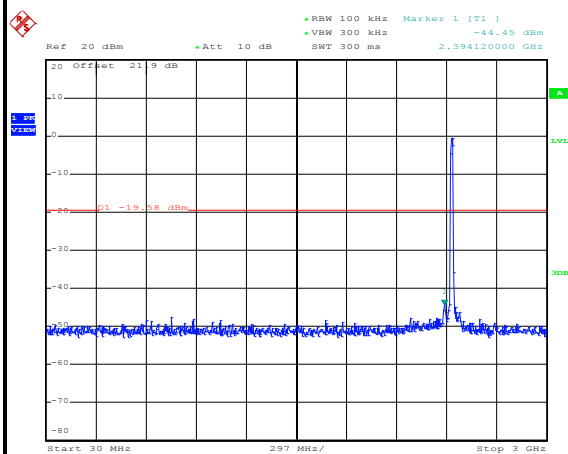
Mid Channel Plot



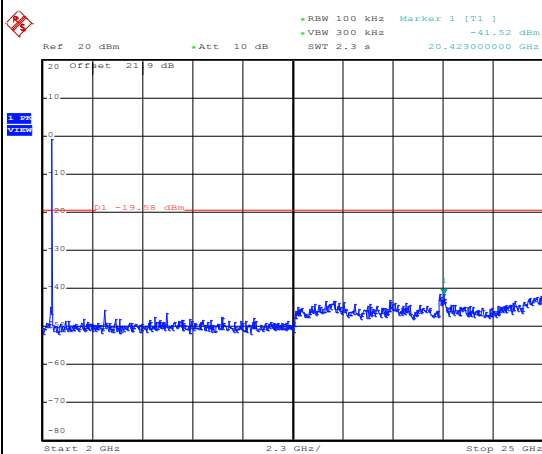
Date: 17.JUN.2016 23:53:53

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 23:55:57



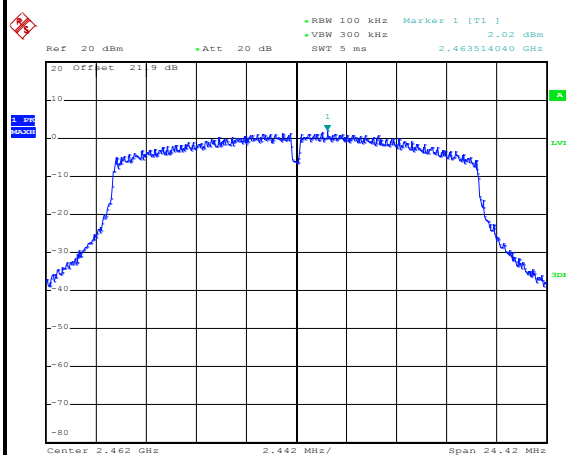
Date: 17.JUN.2016 23:56:06



Number of TX :	3	Ant. :	2
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

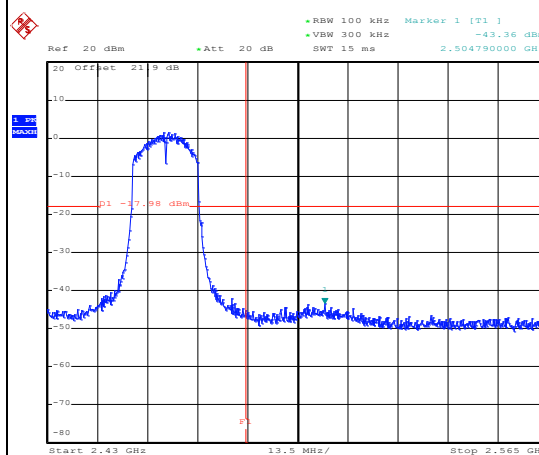
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



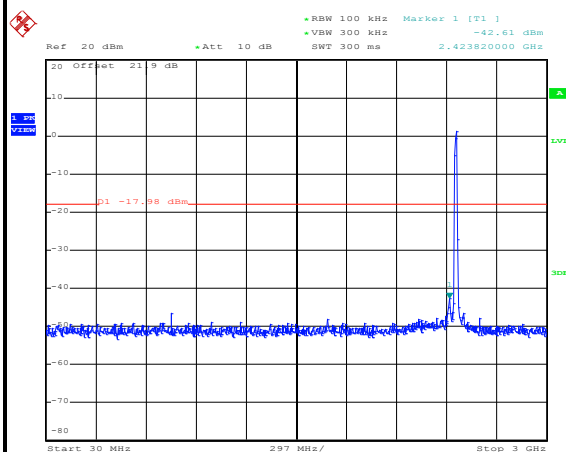
Date: 17.JUN.2016 23:50:15

High Channel Plot



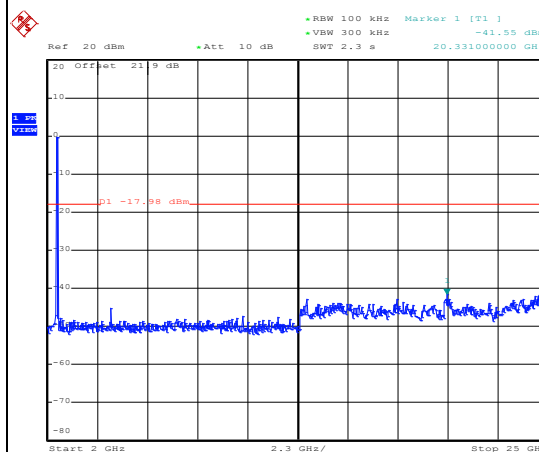
Date: 17.JUN.2016 23:50:31

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 23:50:42

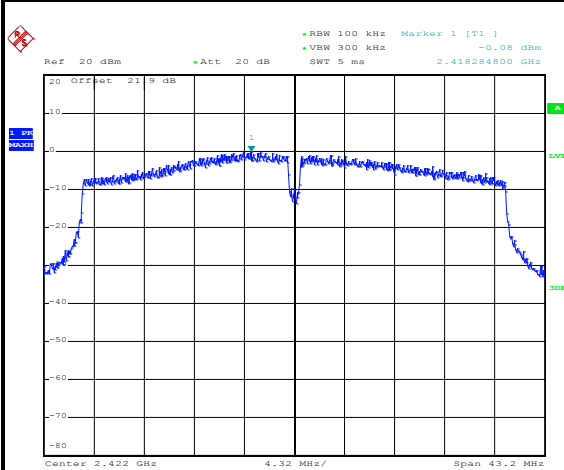
Spurious Emission 2GHz~25GHz



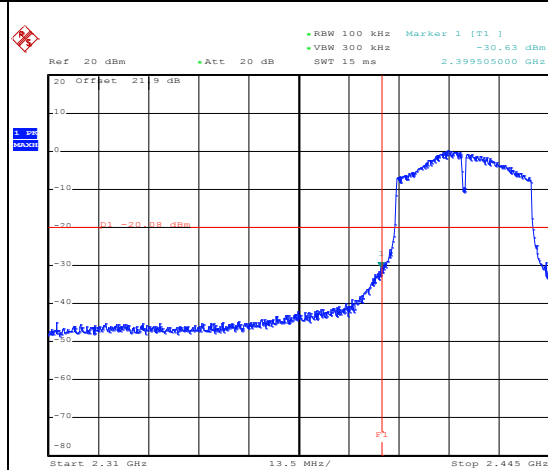
Date: 17.JUN.2016 23:50:51



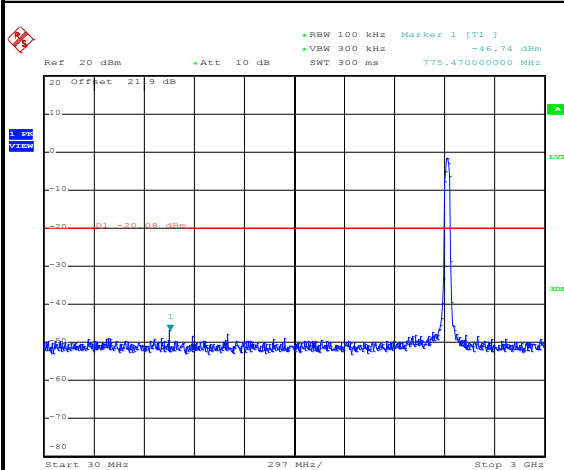
Number of TX :	3	Ant. :	2
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

WLAN 802.11n HT40 Channel 03**100kHz PSD reference Level**

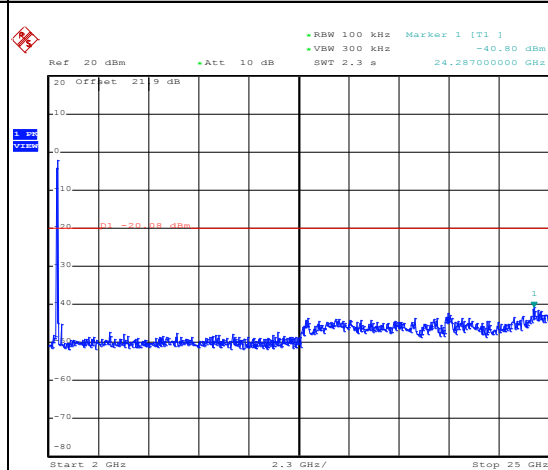
Date: 18.JUN.2016 00:59:12

Low Channel Plot

Date: 18.JUN.2016 00:59:50

Spurious Emission 30MHz~3GHz

Date: 18.JUN.2016 01:00:02

Spurious Emission 2GHz~25GHz

Date: 18.JUN.2016 01:00:10

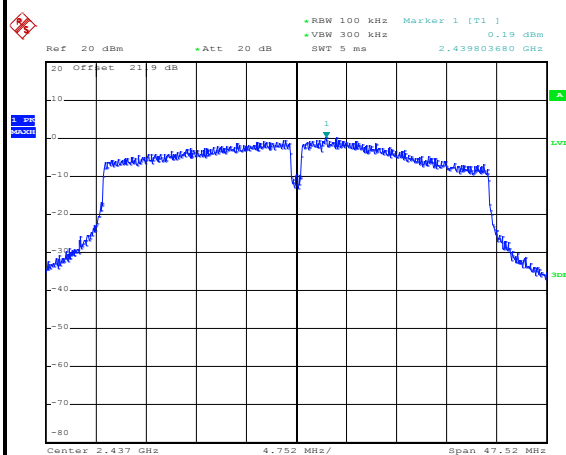


Number of TX :	3	Ant. :	2
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11n HT40 Channel 06

100kHz PSD reference Level

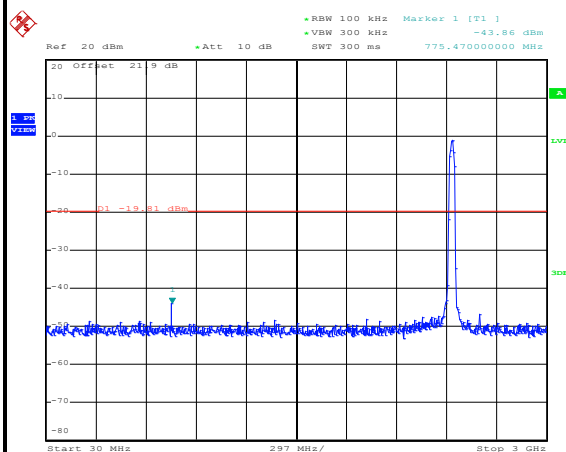
Mid Channel Plot



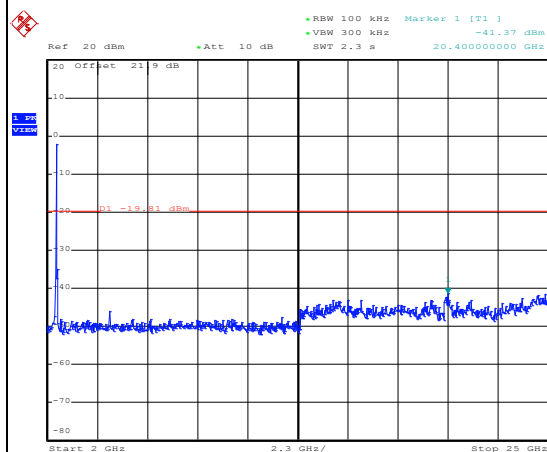
Date: 18.JUN.2016 00:55:56

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 00:56:07



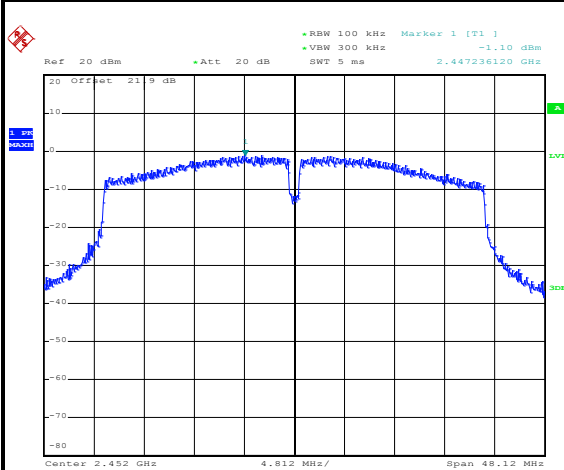
Date: 18.JUN.2016 00:56:15



Number of TX :	3	Ant. :	2
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

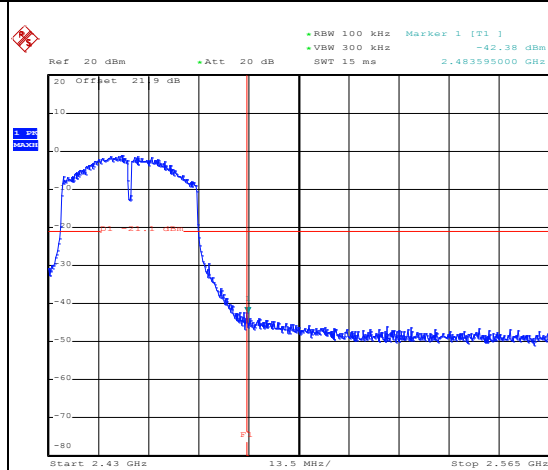
WLAN 802.11n HT40 Channel 09

100kHz PSD reference Level



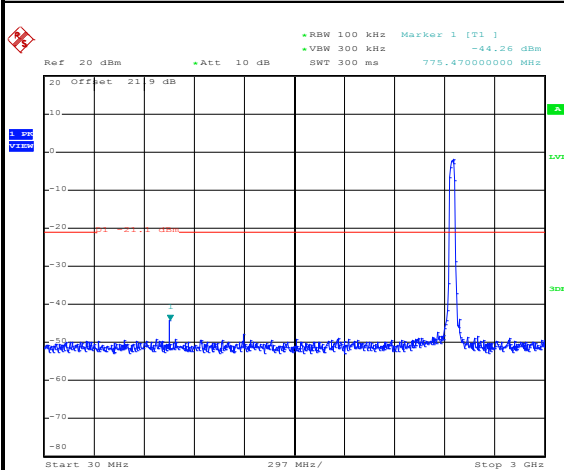
Date: 18.JUN.2016 00:51:40

High Channel Plot



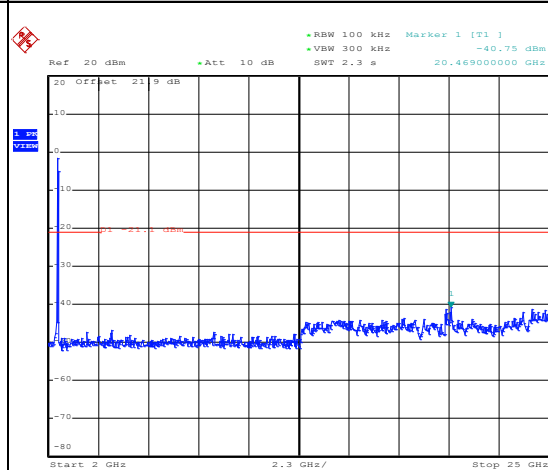
Date: 18.JUN.2016 00:52:10

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 00:52:23

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 00:52:32

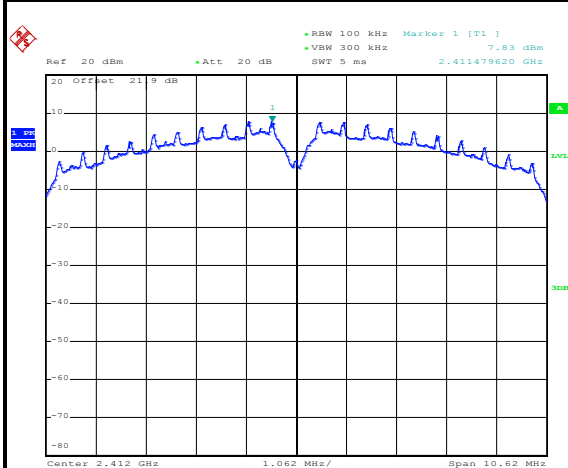


Number of TX = 3, Ant. 3 (Measured)

Number of TX :	3	Ant. :	3
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

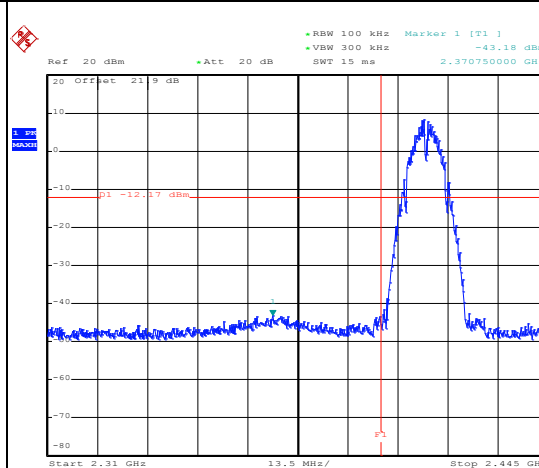
WLAN 802.11b Channel 01

100kHz PSD reference Level



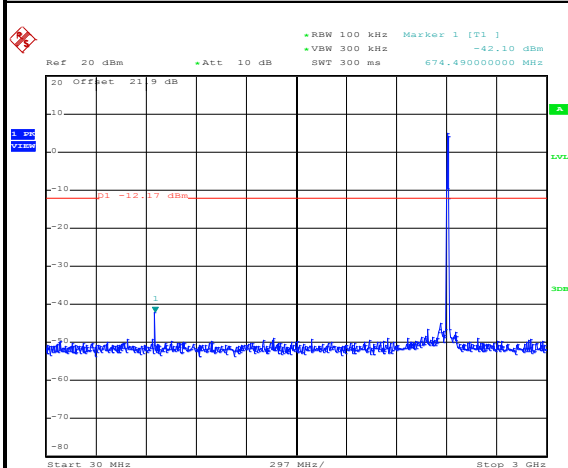
Date: 17.JUN.2016 07:39:39

Low Channel Plot



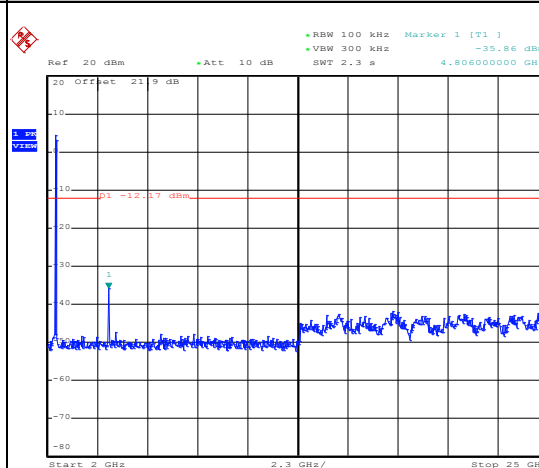
Date: 17.JUN.2016 07:39:55

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:40:06

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 07:40:14

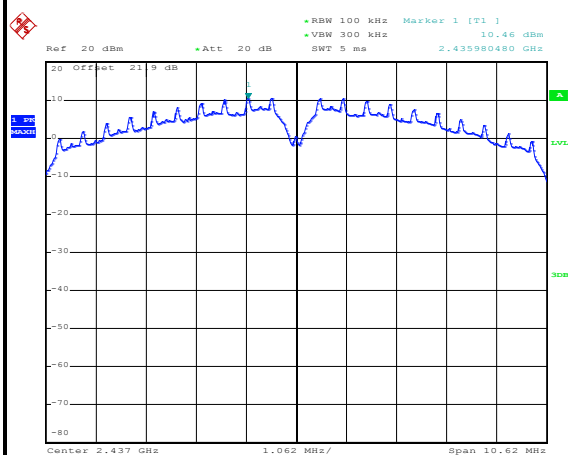


Number of TX :	3	Ant. :	3
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11b Channel 06

100kHz PSD reference Level

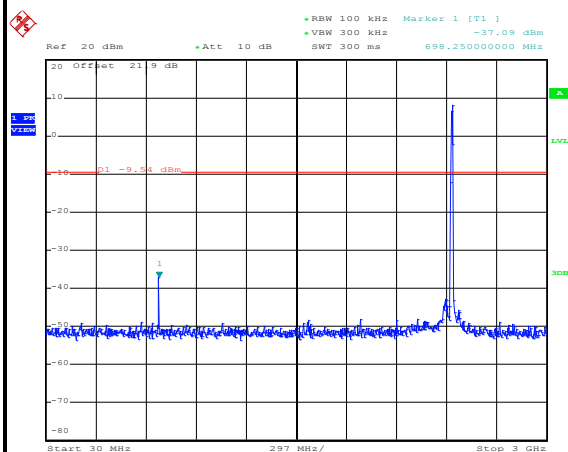
Mid Channel Plot



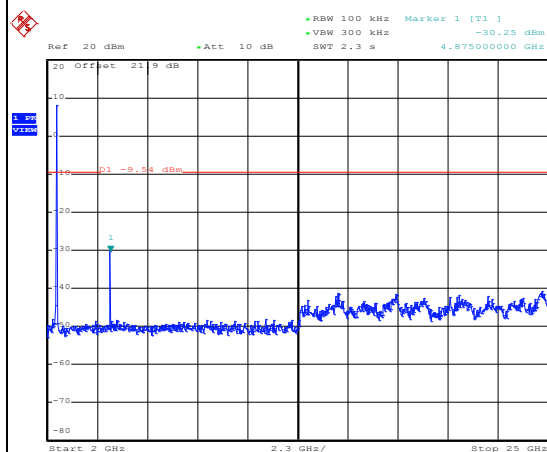
Date: 17.JUN.2016 07:37:36

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 07:37:47



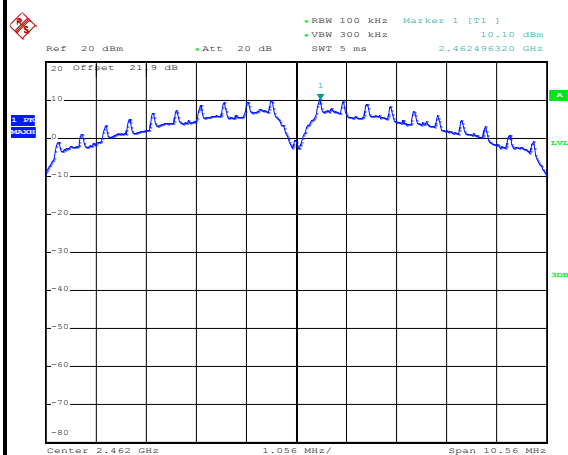
Date: 17.JUN.2016 07:37:56



Number of TX :	3	Ant. :	3
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

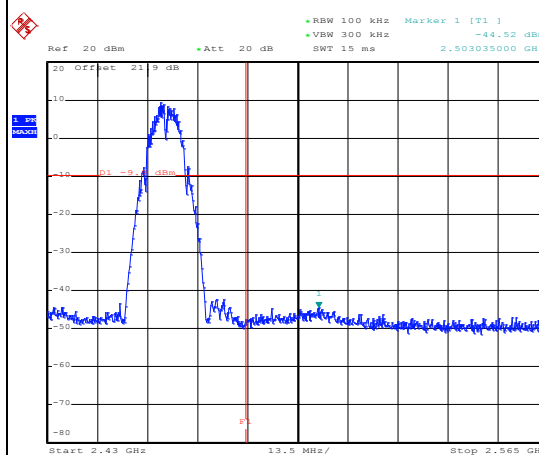
WLAN 802.11b Channel 11

100kHz PSD reference Level



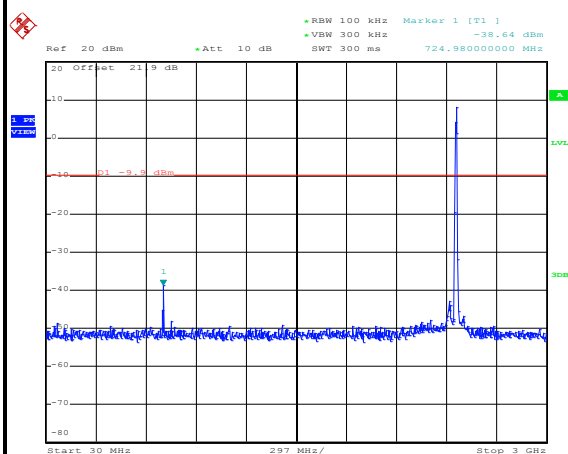
Date: 17.JUN.2016 07:33:25

High Channel Plot



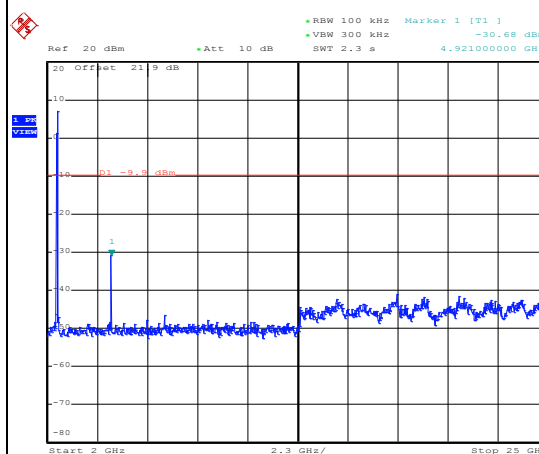
Date: 17.JUN.2016 07:33:37

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:33:49

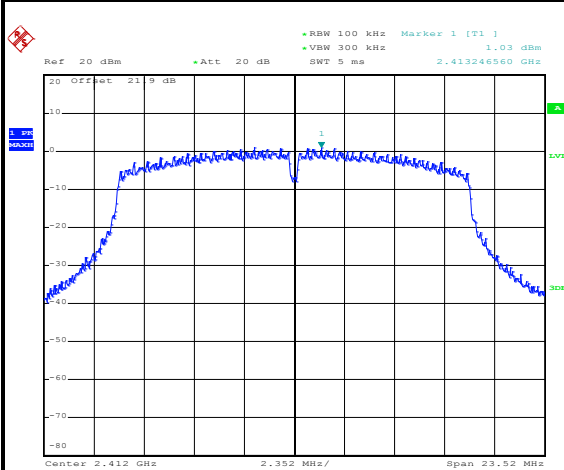
Spurious Emission 2GHz~25GHz



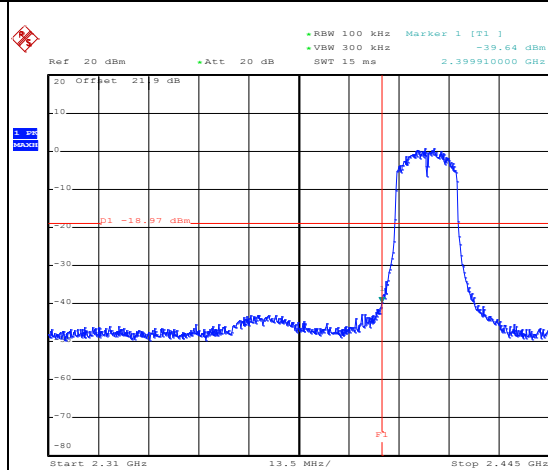
Date: 17.JUN.2016 07:33:57



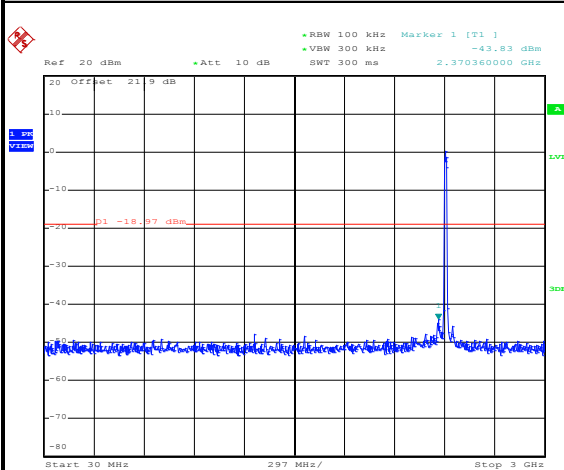
Number of TX :	3	Ant. :	3
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

WLAN 802.11g Channel 01**100kHz PSD reference Level**

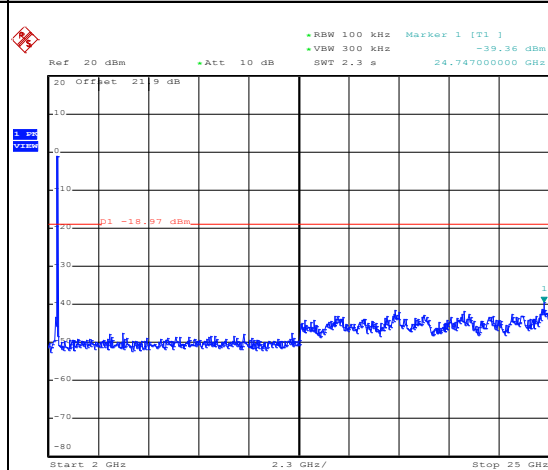
Date: 17.JUN.2016 07:44:21

Low Channel Plot

Date: 17.JUN.2016 07:44:38

Spurious Emission 30MHz~3GHz

Date: 17.JUN.2016 07:45:01

Spurious Emission 2GHz~25GHz

Date: 17.JUN.2016 07:45:09

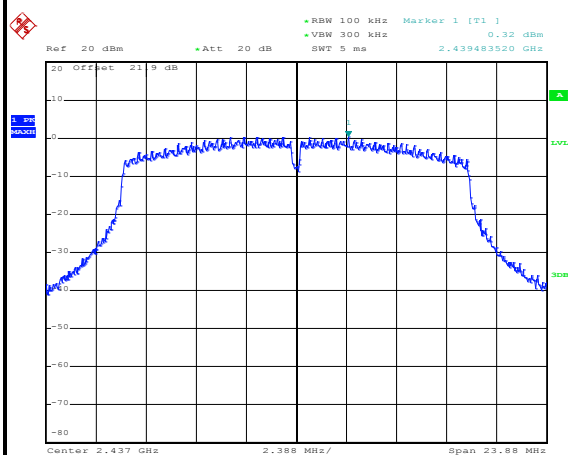


Number of TX :	3	Ant. :	3
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11g Channel 06

100kHz PSD reference Level

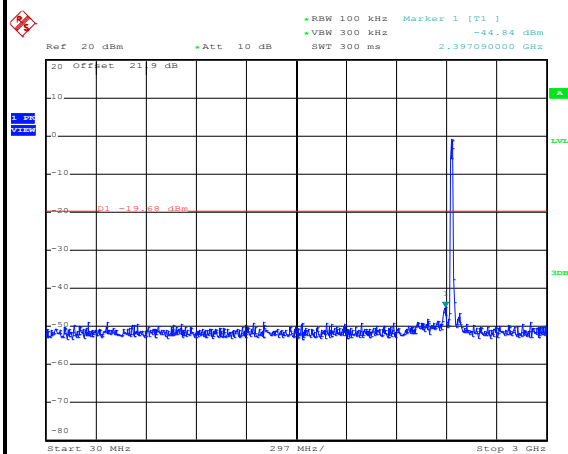
Mid Channel Plot



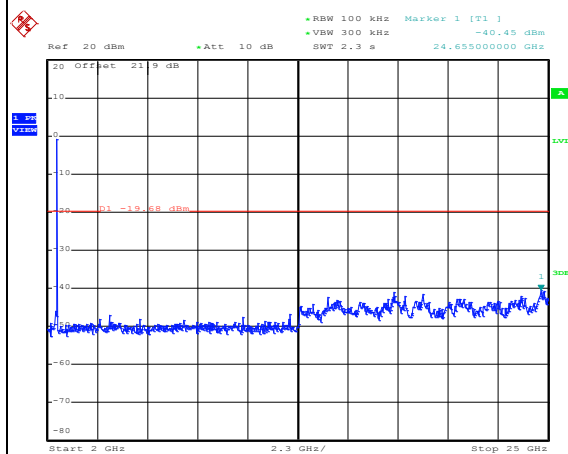
Date: 17.JUN.2016 07:52:34

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 07:52:47



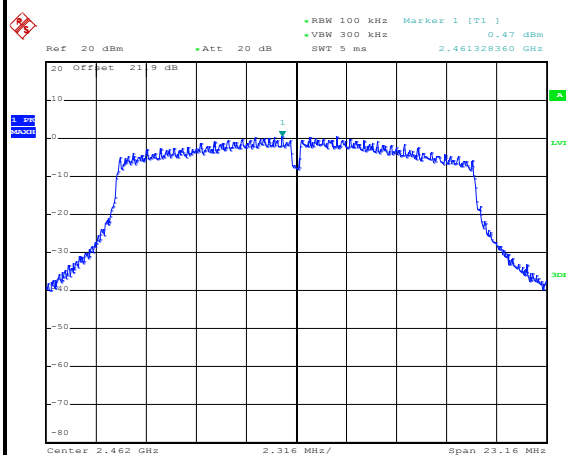
Date: 17.JUN.2016 07:52:55



Number of TX :	3	Ant. :	3
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

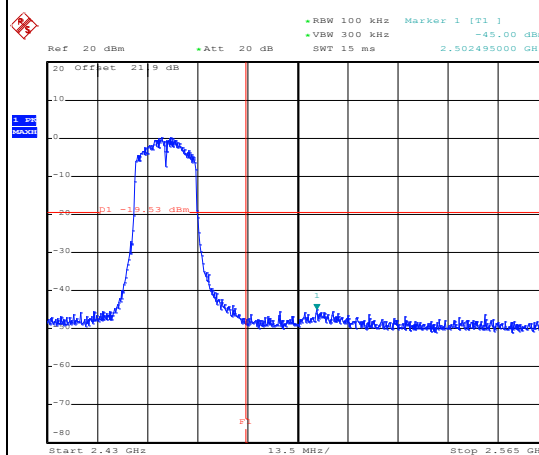
WLAN 802.11g Channel 11

100kHz PSD reference Level



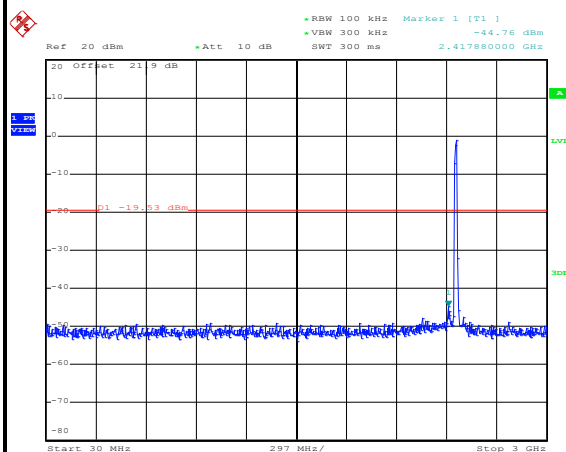
Date: 17.JUN.2016 07:56:13

High Channel Plot



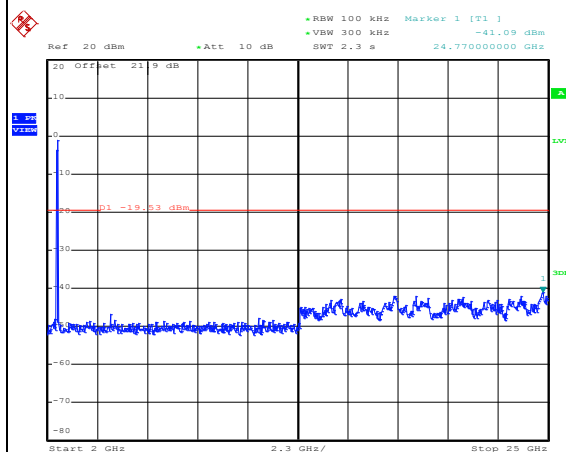
Date: 17.JUN.2016 07:56:27

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:58:05

Spurious Emission 2GHz~25GHz



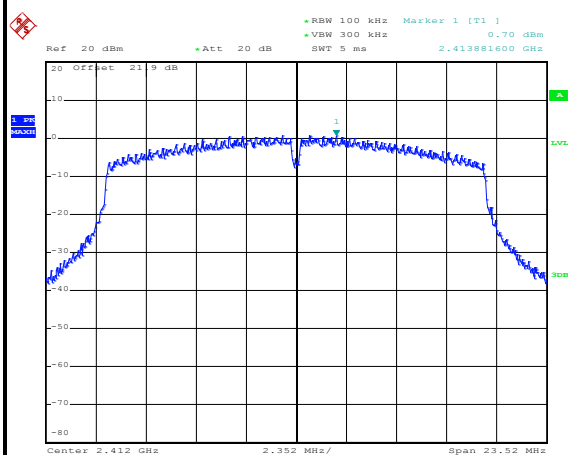
Date: 17.JUN.2016 07:58:13



Number of TX :	3	Ant. :	3
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

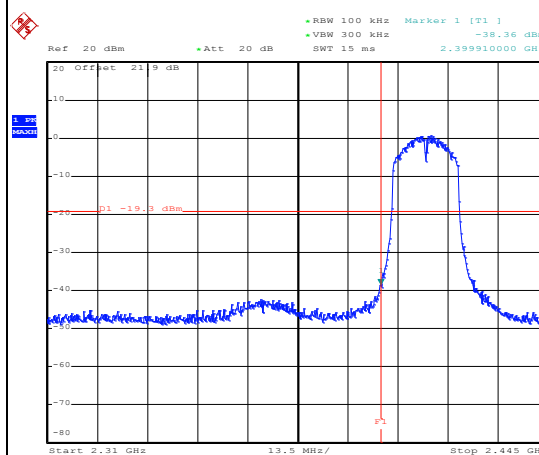
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



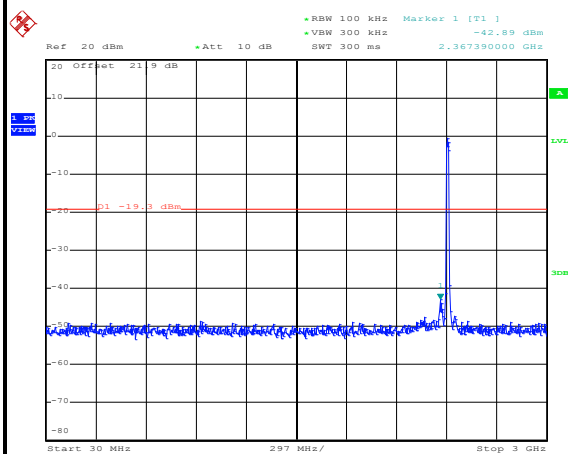
Date: 18.JUN.2016 00:13:12

Low Channel Plot



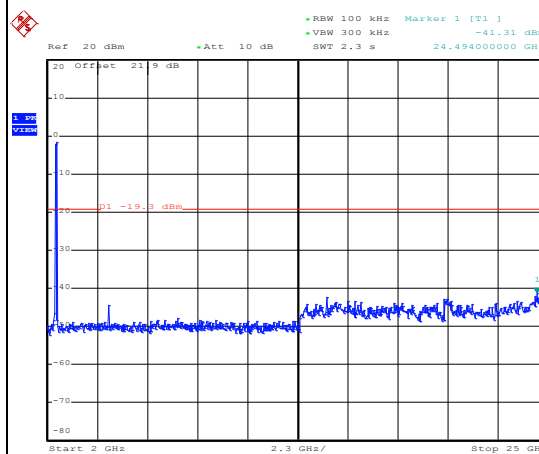
Date: 18.JUN.2016 00:13:50

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 00:14:02

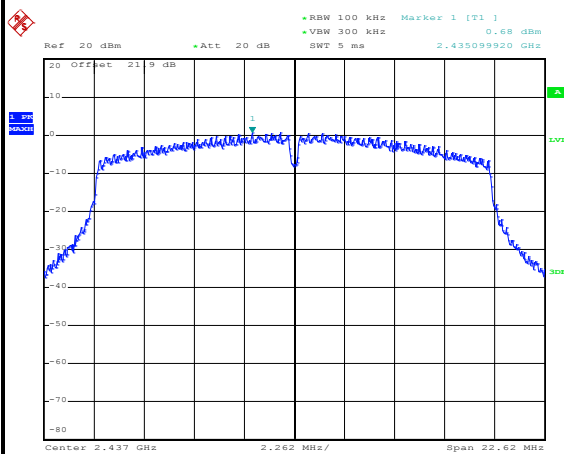
Spurious Emission 2GHz~25GHz



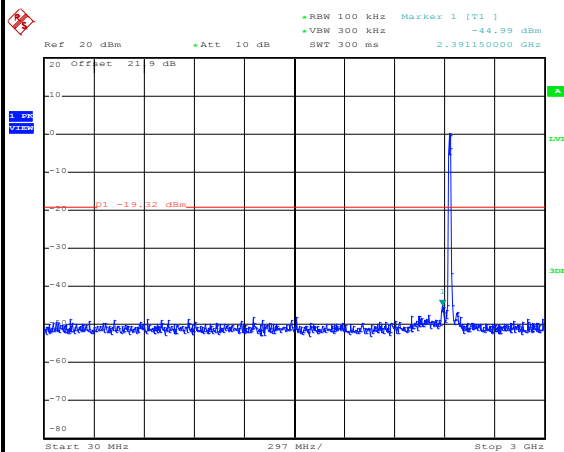
Date: 18.JUN.2016 00:14:11



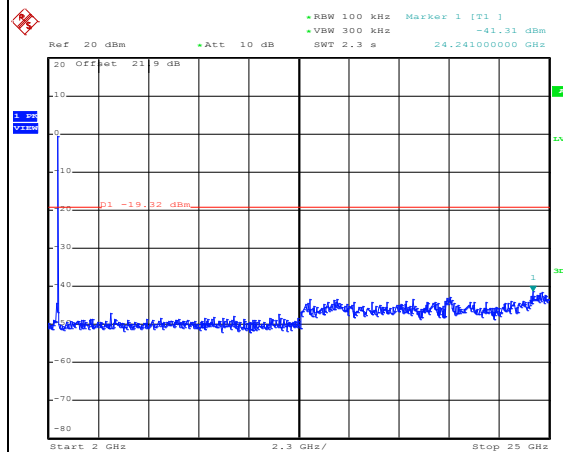
Number of TX :	3	Ant. :	3
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11n HT20 Channel 06**100kHz PSD reference Level****Mid Channel Plot**

Date: 18.JUN.2016 00:17:08

Spurious Emission 30MHz~3GHz**Spurious Emission 2GHz~25GHz**

Date: 18.JUN.2016 00:17:20



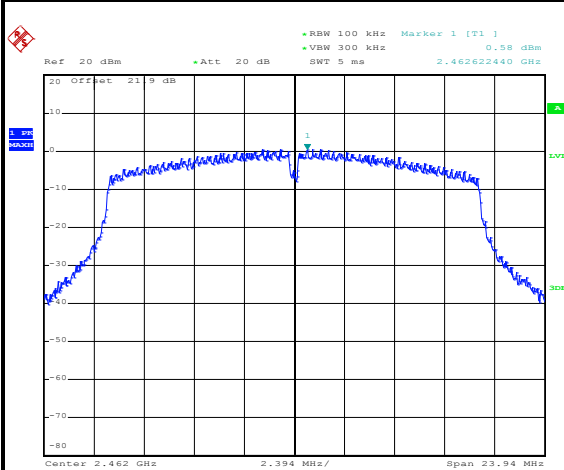
Date: 18.JUN.2016 00:17:28



Number of TX :	3	Ant. :	3
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

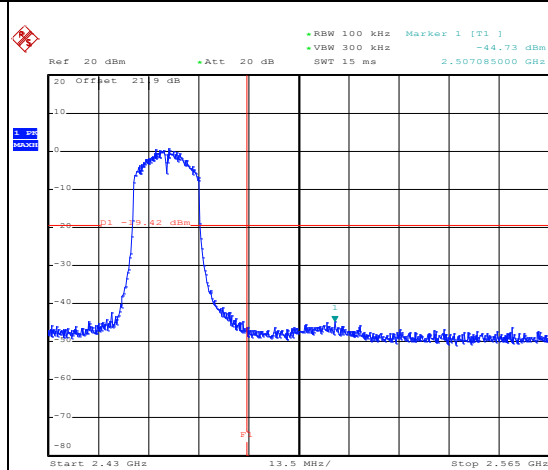
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



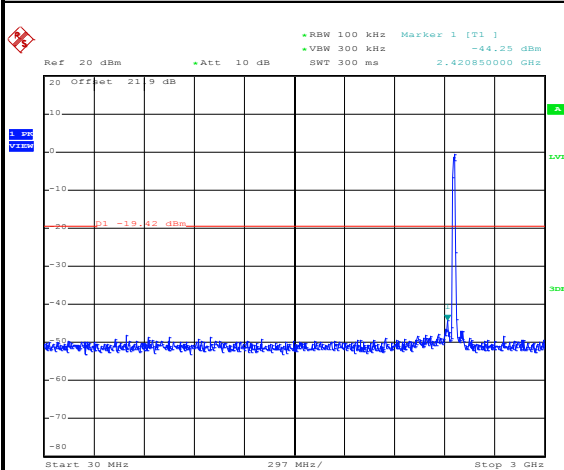
Date: 18.JUN.2016 01:47:19

High Channel Plot



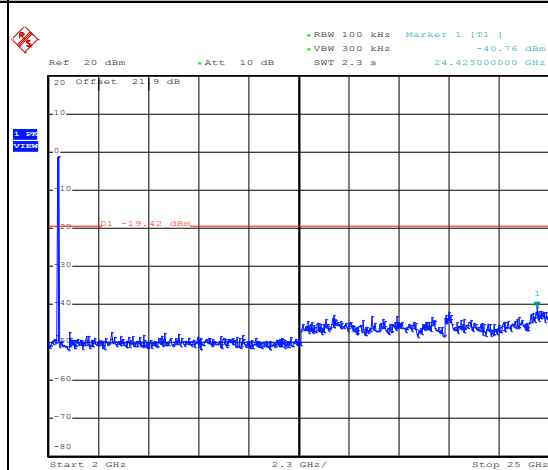
Date: 18.JUN.2016 01:47:33

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 01:47:44

Spurious Emission 2GHz~25GHz



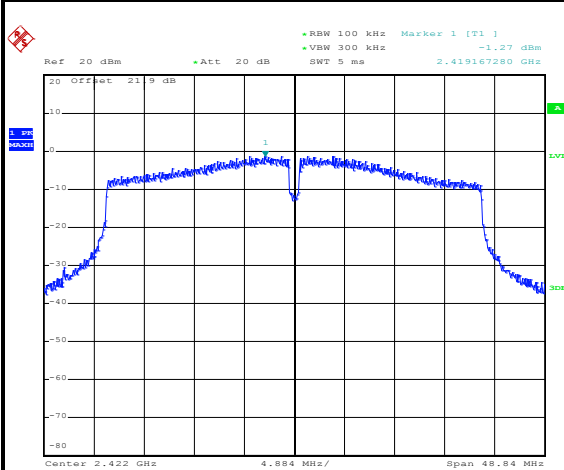
Date: 18.JUN.2016 01:47:53



Number of TX :	3	Ant. :	3
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

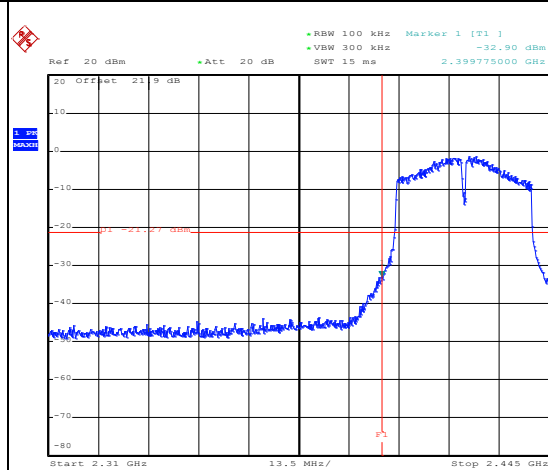
WLAN 802.11n HT40 Channel 03

100kHz PSD reference Level



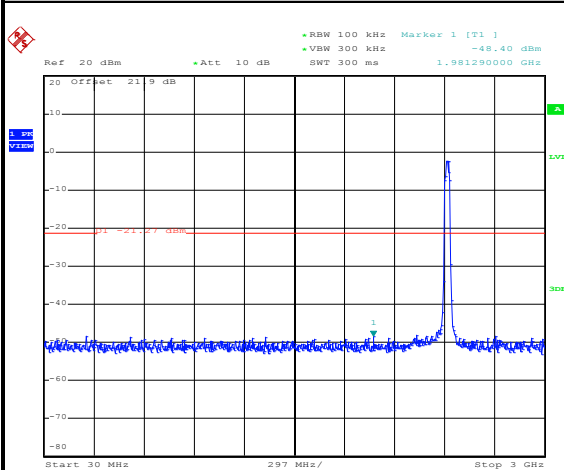
Date: 18.JUN.2016 00:35:30

Low Channel Plot



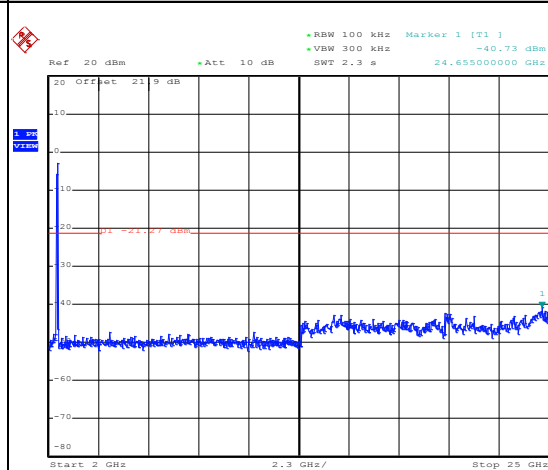
Date: 18.JUN.2016 00:36:00

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 00:36:11

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 00:36:20

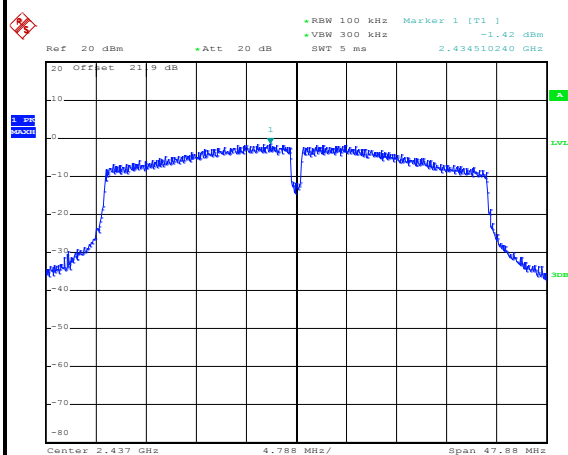


Number of TX :	3	Ant. :	3
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11n HT40 Channel 06

100kHz PSD reference Level

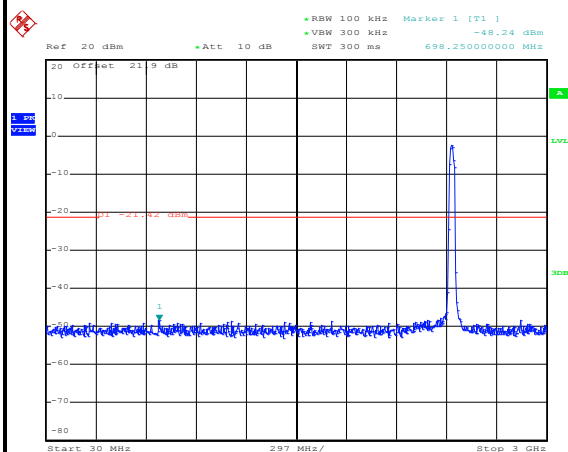
Mid Channel Plot



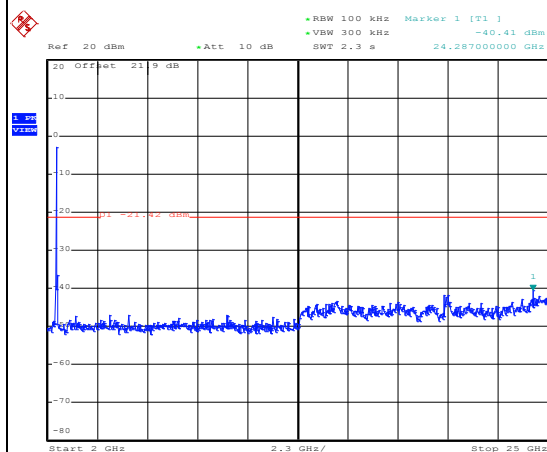
Date: 18.JUN.2016 00:41:31

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



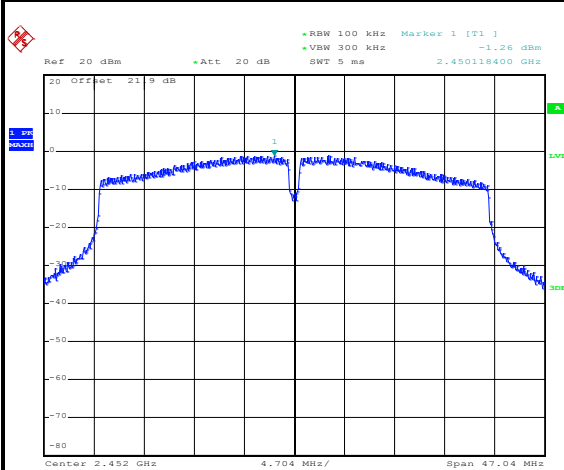
Date: 18.JUN.2016 00:41:42



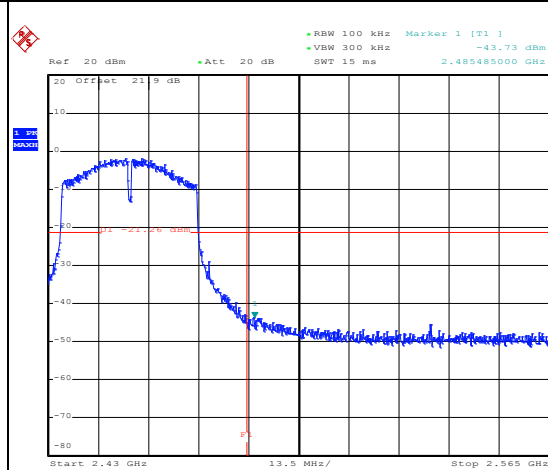
Date: 18.JUN.2016 00:41:51



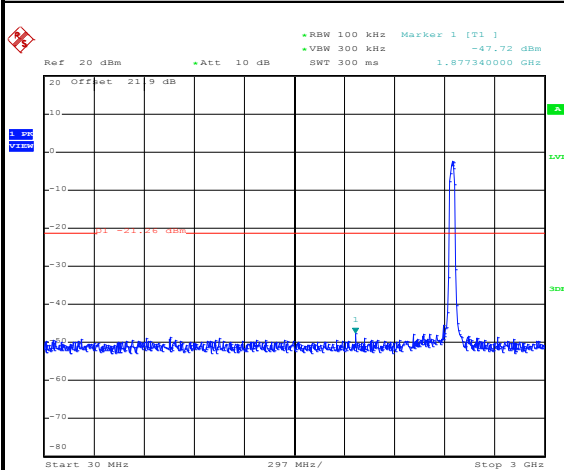
Number of TX :	3	Ant. :	3
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

WLAN 802.11n HT40 Channel 09**100kHz PSD reference Level**

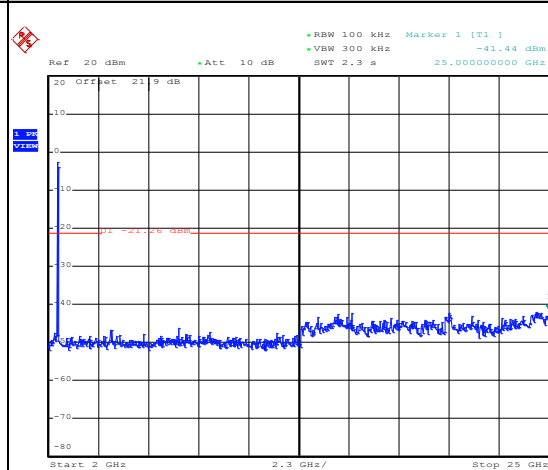
Date: 18.JUN.2016 00:48:31

High Channel Plot

Date: 18.JUN.2016 00:48:43

Spurious Emission 30MHz~3GHz

Date: 18.JUN.2016 00:48:55

Spurious Emission 2GHz~25GHz

Date: 18.JUN.2016 00:49:03



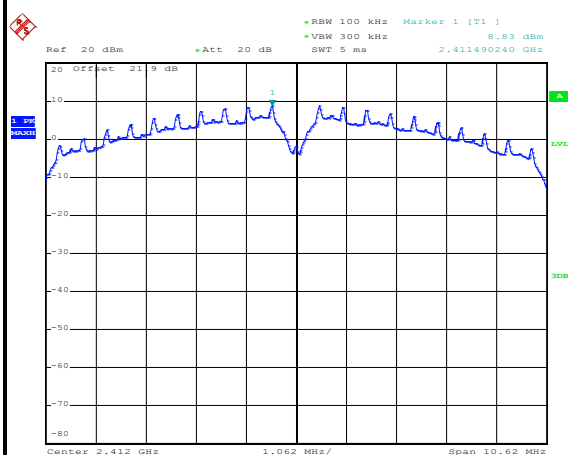
<PTMP>

Number of TX = 3, Ant. 1 (Measured)

Number of TX	3	Ant. :	1
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

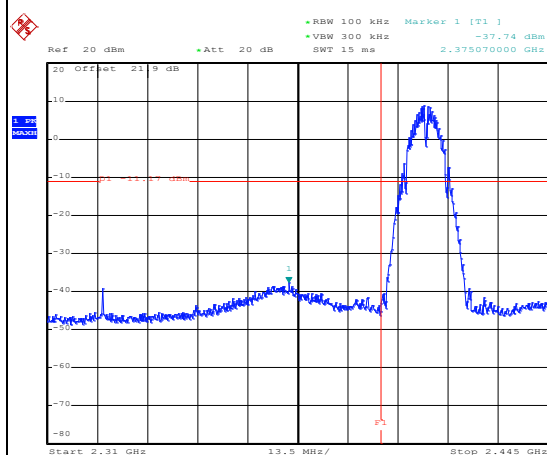
WLAN 802.11b Channel 01

100kHz PSD reference Level



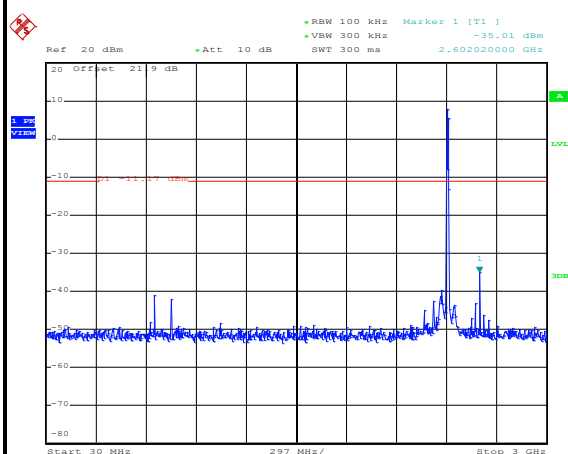
Date: 17.JUN.2016 07:04:01

Low Channel Plot



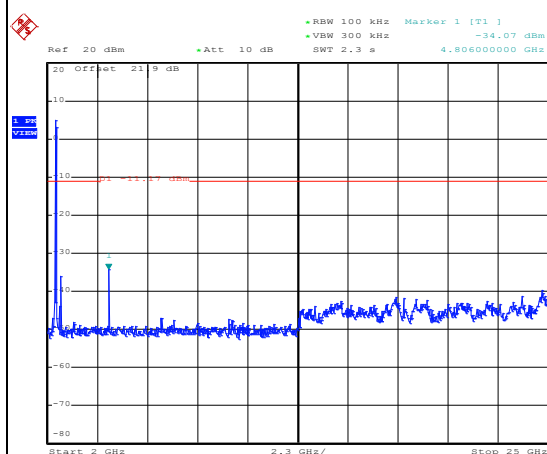
Date: 17.JUN.2016 07:04:53

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:05:04

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 07:05:13

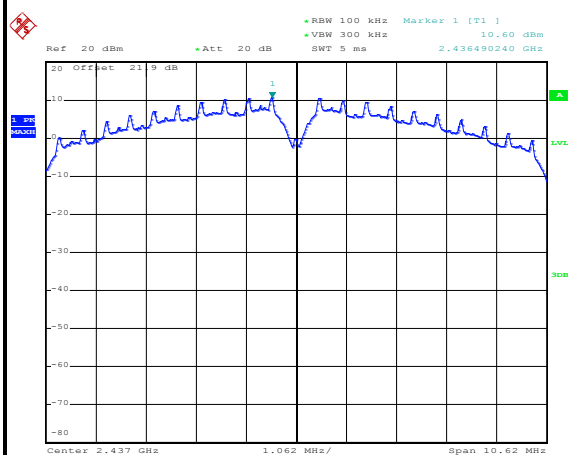


Number of TX :	3	Ant. :	1
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11b Channel 06

100kHz PSD reference Level

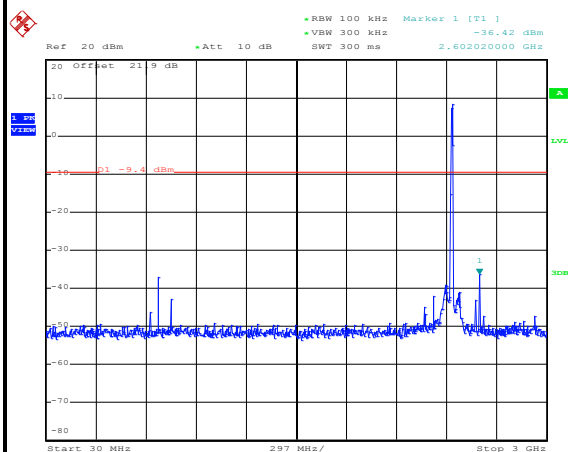
Mid Channel Plot



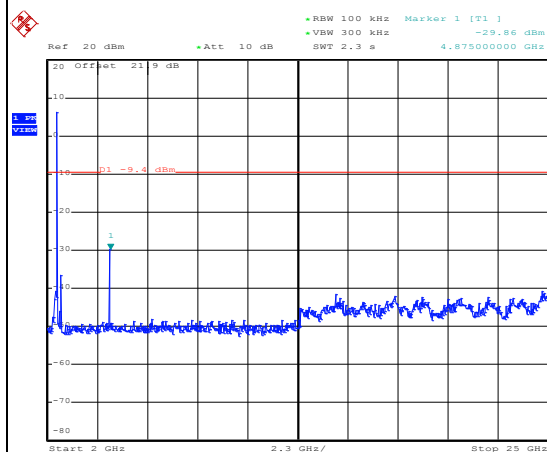
Date: 17.JUN.2016 07:08:11

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 17.JUN.2016 07:08:22



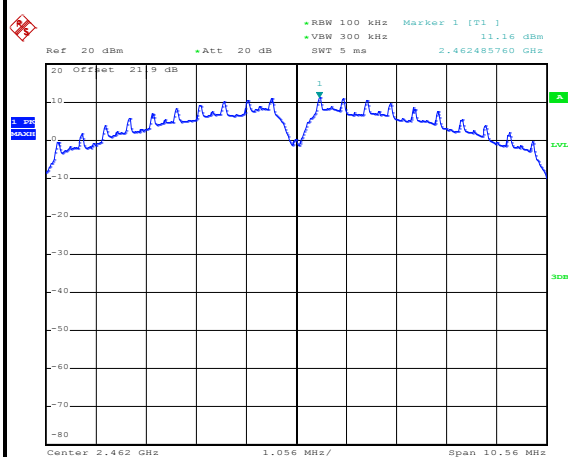
Date: 17.JUN.2016 07:08:31



Number of TX :	3	Ant. :	1
Test Mode :	802.11b	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

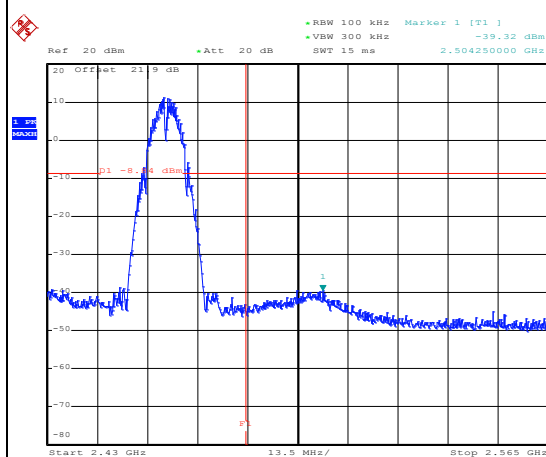
WLAN 802.11b Channel 11

100kHz PSD reference Level



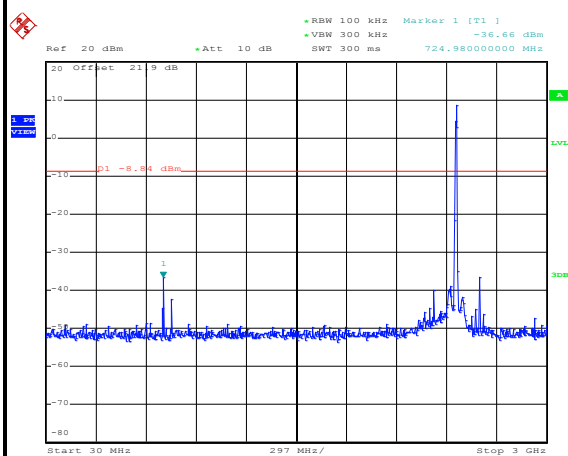
Date: 17.JUN.2016 07:10:57

High Channel Plot



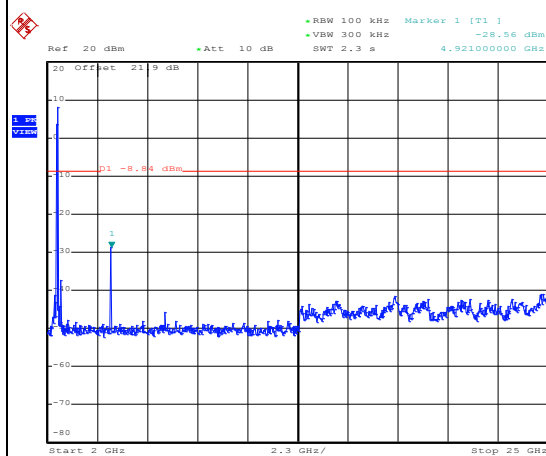
Date: 17.JUN.2016 07:11:26

Spurious Emission 30MHz~3GHz



Date: 17.JUN.2016 07:11:40

Spurious Emission 2GHz~25GHz

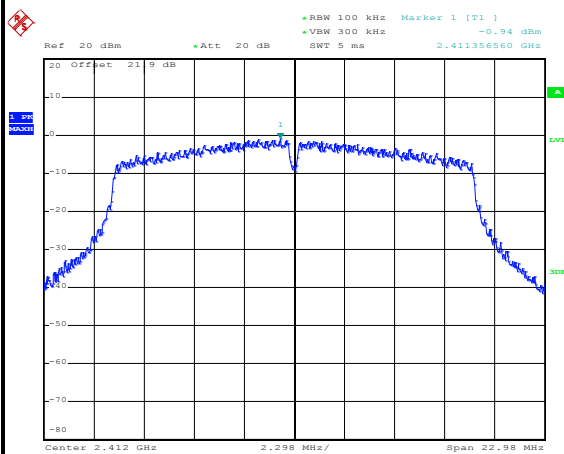


Date: 17.JUN.2016 07:11:48

Number of TX :	3	Ant. :	1
Test Mode :	802.11g	Temperature :	21~25℃
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

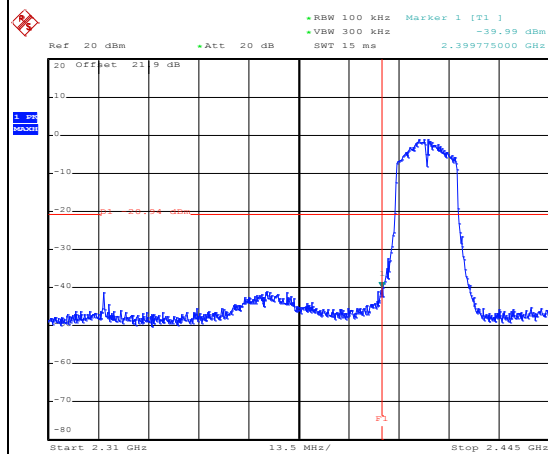
WLAN 802.11g Channel 01

100kHz PSD reference Level



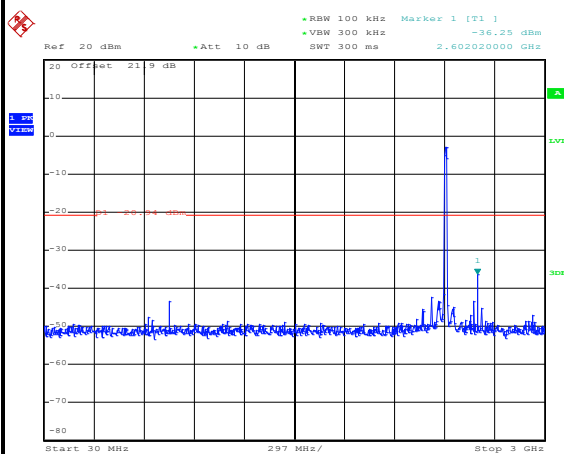
Date: 18.JUN.2016 03:12:20

Low Channel Plot



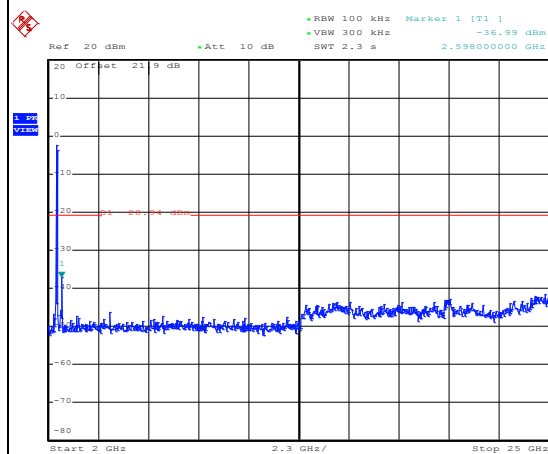
Date: 18.JUN.2016 03:12:34

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 03:12:45

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 03:12:53

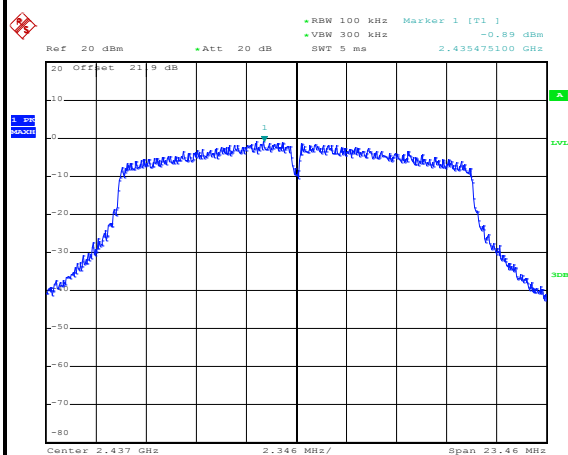


Number of TX :	3	Ant. :	1
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11g Channel 06

100kHz PSD reference Level

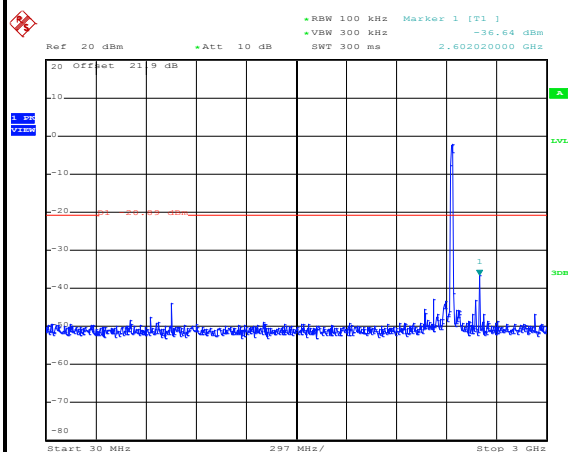
Mid Channel Plot



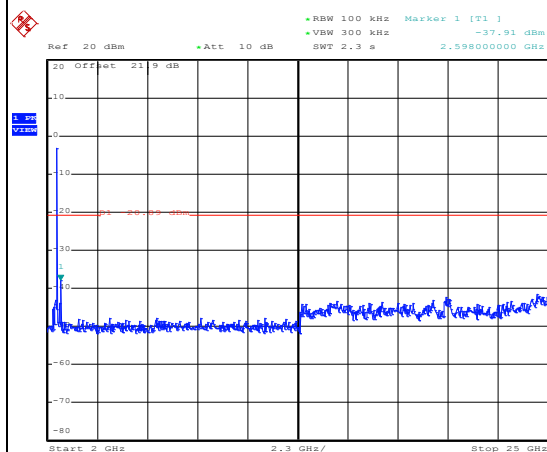
Date: 18.JUN.2016 03:14:51

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 03:15:04



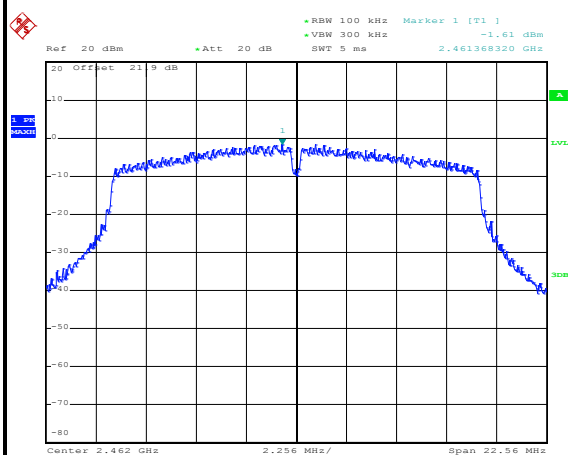
Date: 18.JUN.2016 03:15:12



Number of TX :	3	Ant. :	1
Test Mode :	802.11g	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

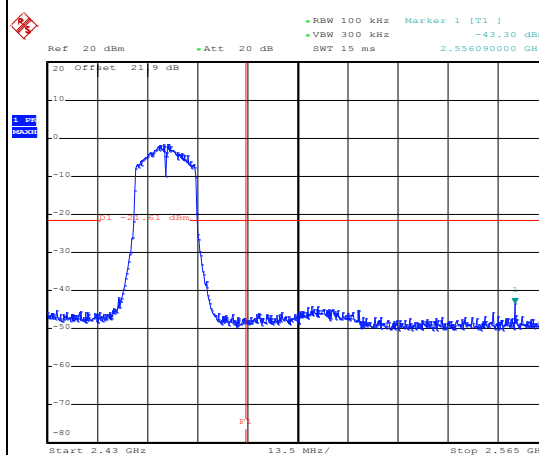
WLAN 802.11g Channel 11

100kHz PSD reference Level



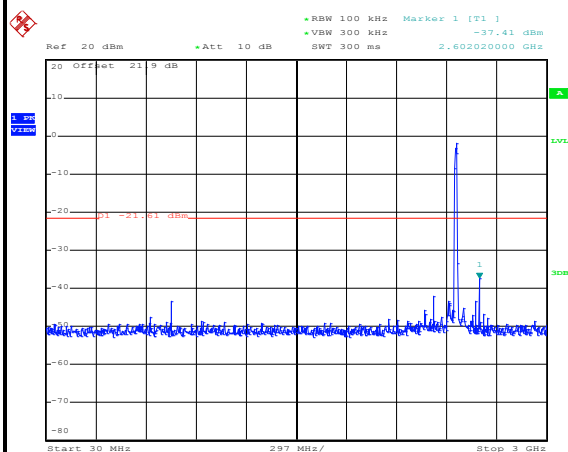
Date: 18.JUN.2016 03:18:32

High Channel Plot



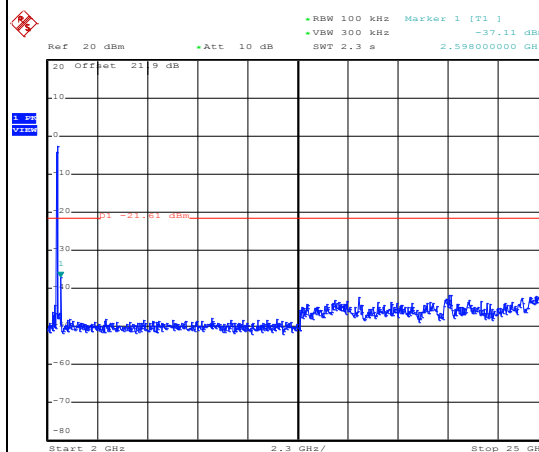
Date: 18.JUN.2016 03:18:46

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 03:19:02

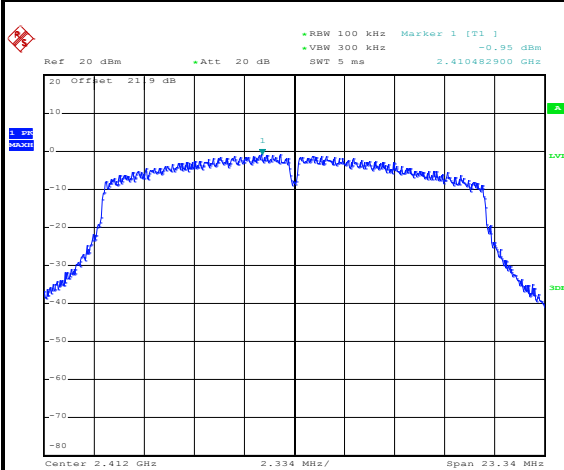
Spurious Emission 2GHz~25GHz



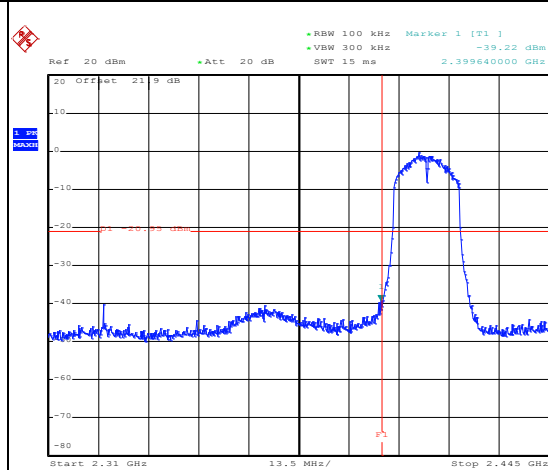
Date: 18.JUN.2016 03:19:10



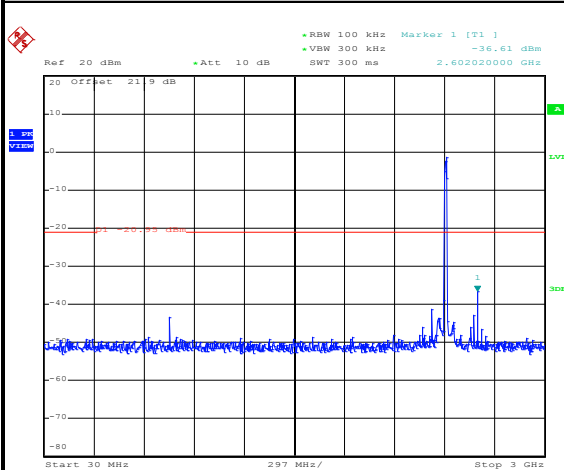
Number of TX :	3	Ant. :	1
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

WLAN 802.11n HT20 Channel 01**100kHz PSD reference Level**

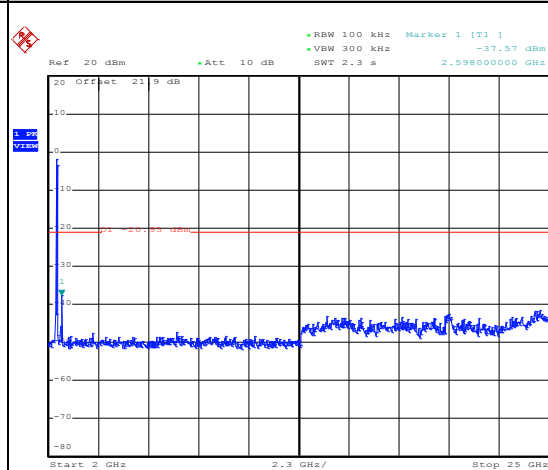
Date: 18.JUN.2016 04:32:20

Low Channel Plot

Date: 18.JUN.2016 04:32:49

Spurious Emission 30MHz~3GHz

Date: 18.JUN.2016 04:33:03

Spurious Emission 2GHz~25GHz

Date: 18.JUN.2016 04:33:11

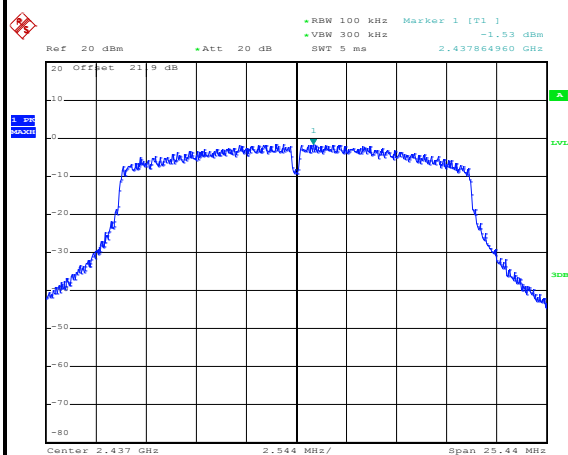


Number of TX :	3	Ant. :	1
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level

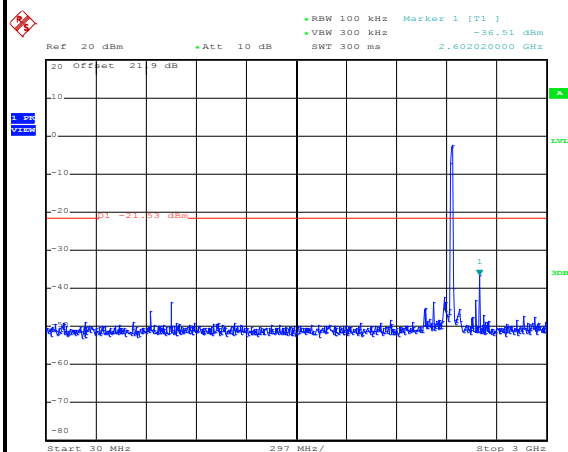
Mid Channel Plot



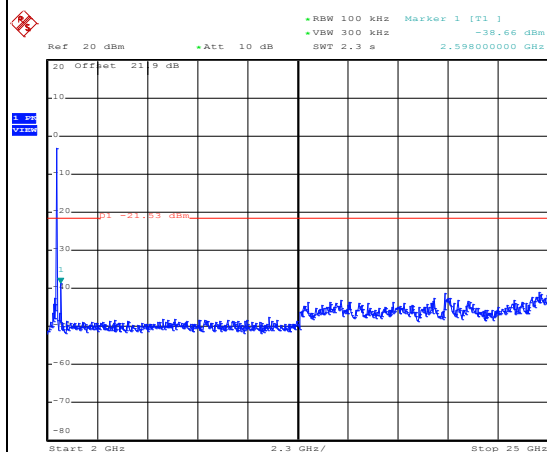
Date: 18.JUN.2016 04:29:43

Spurious Emission 30MHz~3GHz

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 04:29:54



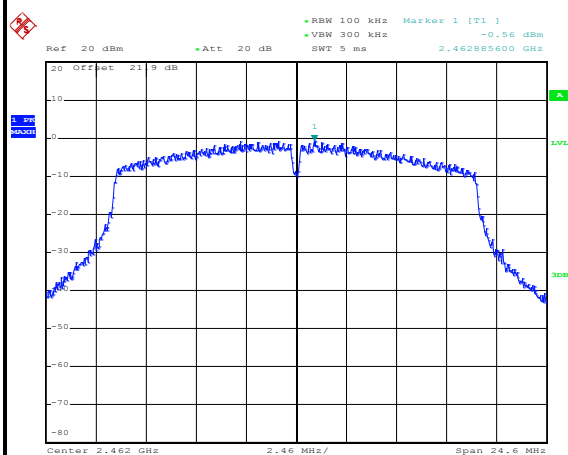
Date: 18.JUN.2016 04:30:03



Number of TX :	3	Ant. :	1
Test Mode :	802.11n HT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

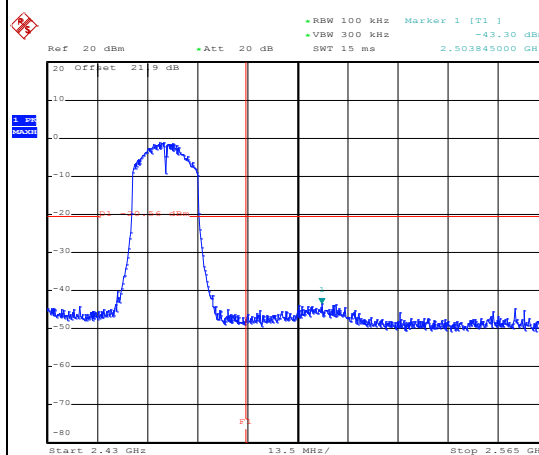
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



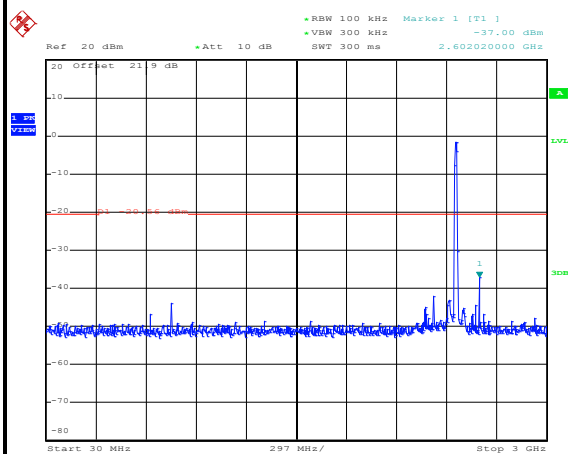
Date: 18.JUN.2016 04:27:10

High Channel Plot



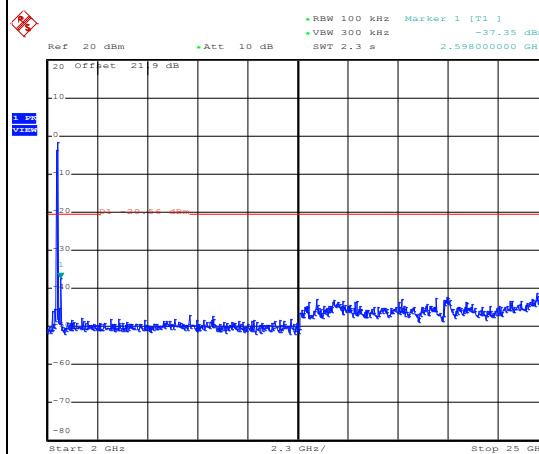
Date: 18.JUN.2016 04:27:25

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:27:36

Spurious Emission 2GHz~25GHz



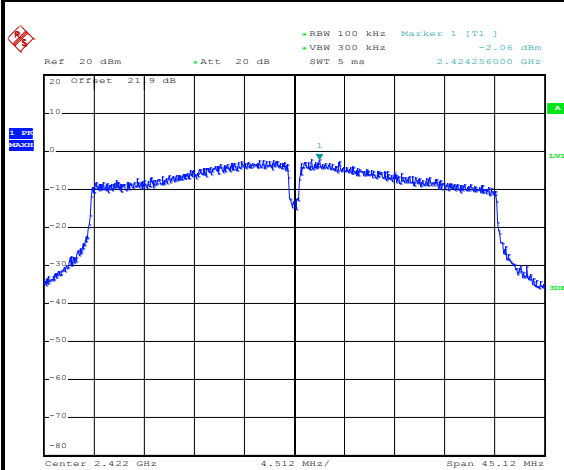
Date: 18.JUN.2016 04:27:45



Number of TX :	3	Ant. :	1
Test Mode :	802.11n HT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

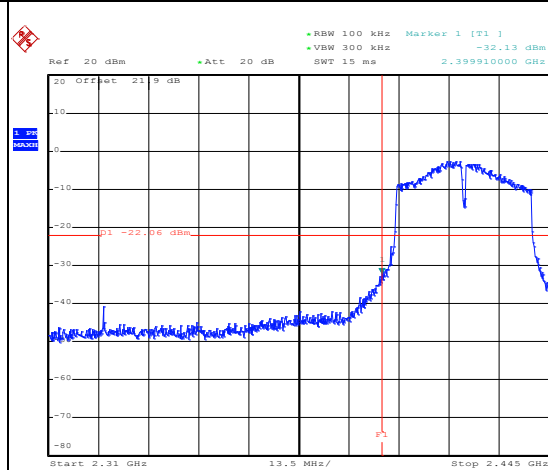
WLAN 802.11n HT40 Channel 03

100kHz PSD reference Level



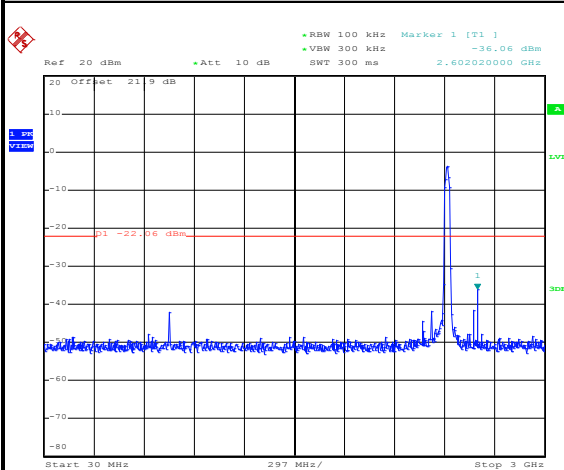
Date: 18.JUN.2016 04:37:35

Low Channel Plot



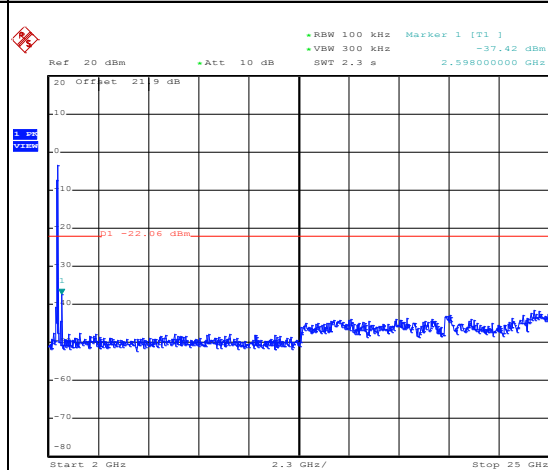
Date: 18.JUN.2016 04:37:50

Spurious Emission 30MHz~3GHz



Date: 18.JUN.2016 04:38:01

Spurious Emission 2GHz~25GHz



Date: 18.JUN.2016 04:38:10