



FCC RF Test Report

APPLICANT : Ubiquiti Networks, Inc.
EQUIPMENT : Rocket® ac Prism
BRAND NAME : UBIQUITI
MODEL NAME : R2AC
FCC ID : SWX-R2AC
STANDARD : FCC Part 15 Subpart C §15.247
CLASSIFICATION : (DTS) Digital Transmission System

The product was received on Aug. 10, 2015 and testing was completed on Aug. 04, 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
FR581010	Rev. 01	Initial issue of report	Aug. 29, 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	-
3.5	15.247(d)	Radiated Band Edges and Radiated Spurious Emission	15.209(a) & 15.247(d)	Pass	Under limit 1.36 dB at 30.540 MHz
3.6	15.207	AC Conducted Emission	15.207(a)	Pass	Under limit 26.40 dB at 0.510 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	Rocket® ac Prism
Brand Name	UBIQUITI
Model Name	R2AC
FCC ID	SWX-R2AC
EUT supports Radios application	WLAN 11n HT10/HT20/HT40 WLAN 11ac VHT10/VHT20/VHT40
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	802.11n/ac : 2412 MHz ~ 2462 MHz
Maximum Output Power to antenna (PTP Mode)	<Ant. 1> 802.11n HT10 : 18.93 dBm (0.0782 W) 802.11n HT20 : 18.84 dBm (0.0786 W) 802.11n HT40 : 14.34 dBm (0.0272 W) 802.11ac VHT10 : 18.99 dBm (0.0793 W) 802.11ac VHT20 : 18.98 dBm (0.0791 W) 802.11ac VHT40 : 14.44 dBm (0.0278 W) <Ant. 2> 802.11n HT10 : 11.83 dBm (0.0152 W) 802.11n HT20 : 11.91 dBm (0.0155 W) 802.11n HT40 : 7.80 dBm (0.0060 W) 802.11ac VHT10 : 11.95 dBm (0.0157 W) 802.11ac VHT20 : 11.98 dBm (0.0158 W) 802.11ac VHT40 : 7.85 dBm (0.0061 W) <Ant. 3> 802.11n HT10 : 22.97 dBm (0.1982 W) 802.11n HT20 : 22.80 dBm (0.1905 W) 802.11n HT40 : 22.81 dBm (0.1910 W) 802.11ac VHT10 : 22.98 dBm (0.1986 W) 802.11ac VHT20 : 22.99 dBm (0.1991 W) 802.11ac VHT40 : 22.99 dBm (0.1991 W)
Maximum Output Power to antenna (PTMP Mode)	<Ant. 1> 802.11n HT10 : 11.83 dBm (0.0152 W) 802.11n HT20 : 11.91 dBm (0.0155 W) 802.11n HT40 : 11.83 dBm (0.0152 W) 802.11ac VHT10 : 11.95 dBm (0.0157 W) 802.11ac VHT20 : 11.98 dBm (0.0158 W) 802.11ac VHT40 : 11.96 dBm (0.0157 W) <Ant. 2> 802.11n HT10 : 11.83 dBm (0.0152 W) 802.11n HT20 : 11.91 dBm (0.0155 W) 802.11n HT40 : 7.80 dBm (0.0060 W) 802.11ac VHT10 : 11.95 dBm (0.0157 W) 802.11ac VHT20 : 11.98 dBm (0.0158 W) 802.11ac VHT40 : 7.85 dBm (0.0061 W) <Ant. 3> 802.11n HT10 : 11.83 dBm (0.0152 W) 802.11n HT20 : 11.91 dBm (0.0155 W) 802.11n HT40 : 12.11 dBm (0.0163 W) 802.11ac VHT10 : 11.95 dBm (0.0157 W) 802.11ac VHT20 : 11.98 dBm (0.0158 W) 802.11ac VHT40 : 12.20 dBm (0.0166 W)

Standards-related Product Specification																					
99% Occupied Bandwidth (PTP Mode)		<Ant. 1> 802.11ac VHT10 : 10.28MHz 802.11ac VHT20 : 18.85MHz 802.11ac VHT40 : 37.10MHz <Ant. 2> 802.11ac VHT10 : 10.32MHz 802.11ac VHT20 : 18.70MHz 802.11ac VHT40 : 37.40MHz <Ant. 3> 802.11ac VHT10 : 10.29MHz 802.11ac VHT20 : 18.65MHz 802.11ac VHT40 : 37.10MHz																			
99% Occupied Bandwidth (PTMP Mode)		<Ant. 1> 802.11ac VHT10 : 10.28MHz 802.11ac VHT20 : 18.85MHz 802.11ac VHT40 : 37.00MHz <Ant. 2> 802.11ac VHT10 : 10.32MHz 802.11ac VHT20 : 18.70MHz 802.11ac VHT40 : 37.40MHz <Ant. 3> 802.11ac VHT10 : 10.28MHz 802.11ac VHT20 : 18.85MHz 802.11ac VHT40 : 37.00MHz																			
Antenna Type		<Ant 1> 802.11n/ac : Sector Antenna type with gain 17.00 dBi <Ant 2> 802.11n/ac : Dish Antenna type with gain 24.00 dBi <Ant 3> 802.11n/ac : Omni Antenna type with gain 13.00 dBi																			
Type of Modulation		802.11n : OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac : OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)																			
Antenna Function for Transmitter		<Ant. 1> <table><tr><td></td><td>Ant. port 1</td><td>Ant. port 2</td></tr><tr><td>802.11 n/ac MIMO</td><td>V</td><td>V</td></tr></table> <Ant. 2> <table><tr><td></td><td>Ant. port 1</td><td>Ant. port 2</td></tr><tr><td>802.11 n/ac MIMO</td><td>V</td><td>V</td></tr></table> <Ant. 3> <table><tr><td></td><td>Ant. port 1</td><td>Ant. port 2</td></tr><tr><td>802.11 n/ac MIMO</td><td>V</td><td>V</td></tr></table>			Ant. port 1	Ant. port 2	802.11 n/ac MIMO	V	V		Ant. port 1	Ant. port 2	802.11 n/ac MIMO	V	V		Ant. port 1	Ant. port 2	802.11 n/ac MIMO	V	V
	Ant. port 1	Ant. port 2																			
802.11 n/ac MIMO	V	V																			
	Ant. port 1	Ant. port 2																			
802.11 n/ac MIMO	V	V																			
	Ant. port 1	Ant. port 2																			
802.11 n/ac MIMO	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	03CH06-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.		
	03CH13-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.
- ♦ FCC KDB 644545 D03 Guidance for IEEE 802.11ac New Rules v01
- ♦ ANSI C63.10-2013

Remark:

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



2 Test Configuration of Equipment Under Test

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conducted emission (150 kHz to 30 MHz) and radiated emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases 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	7	2442
	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437		

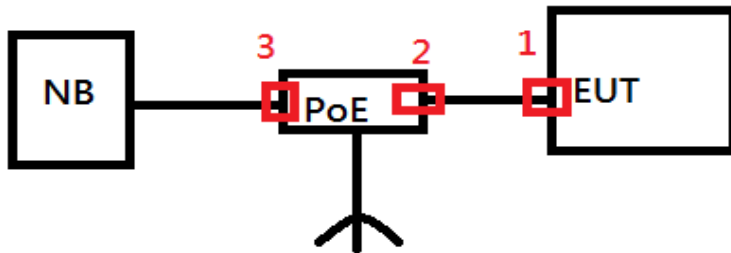
2.2 Test Mode

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

MIMO Antenna

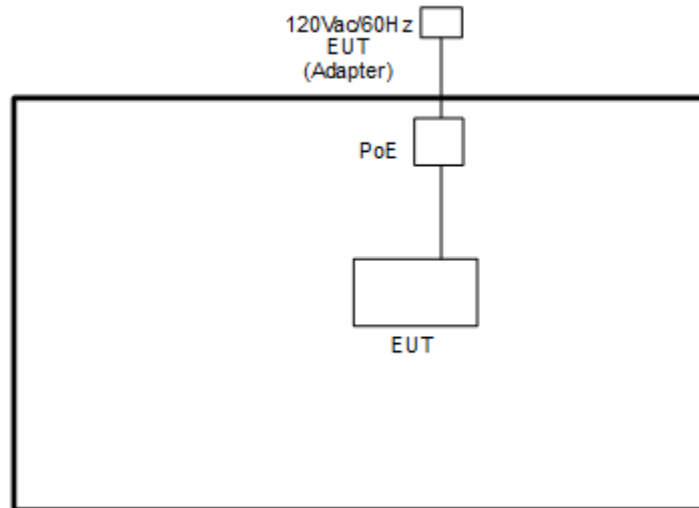
<2.4GHz>

Modulation	Data Rate
802.11n HT10	MCS0
802.11n HT20	MCS0
802.11n HT40	MCS0
802.11ac VHT10	MCS0
802.11ac VHT20	MCS0
802.11ac VHT40	MCS0

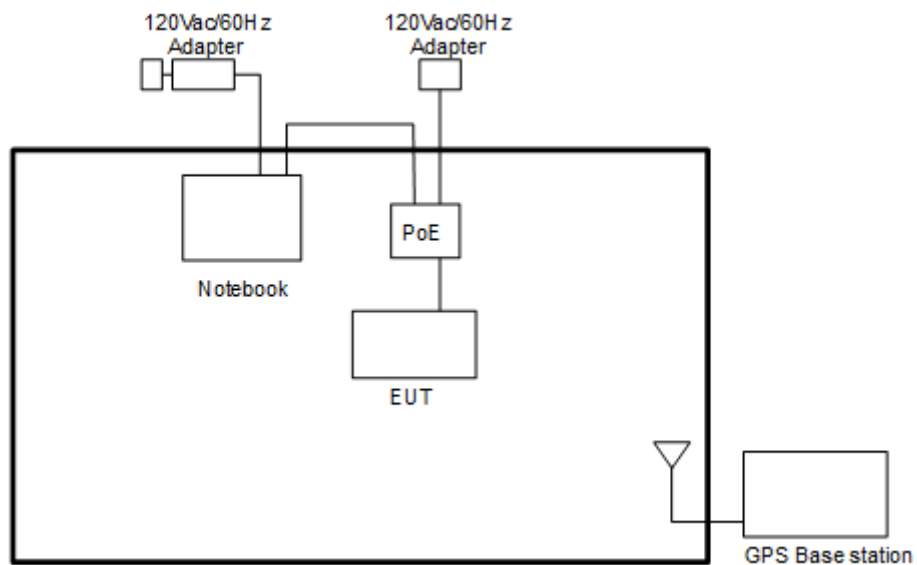
Test Cases	
AC Conducted Emission	Mode 1 : WLAN Link + PoE Adapter + LAN Link + Antenna 3 Mode 2 : WLAN Link + PoE Adapter + LAN Link + Antenna 3 + GPS
Remark: 1. The worst case of conducted emission is mode 2; only the test data of it was reported. 2. The following figure was the connection diagram.	
	

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.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
2.	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
3.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m

2.5 EUT Operation Test Setup

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

2.6 Measurement Results Explanation Example

For all conducted test items:

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

Example:

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

Offset = RF cable loss + attenuator factor.

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

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.

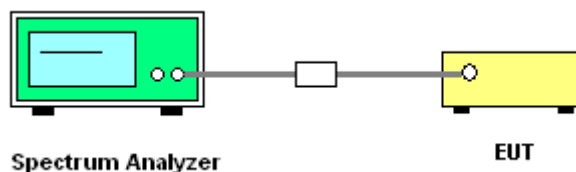
3.1.2 Measuring Instruments

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



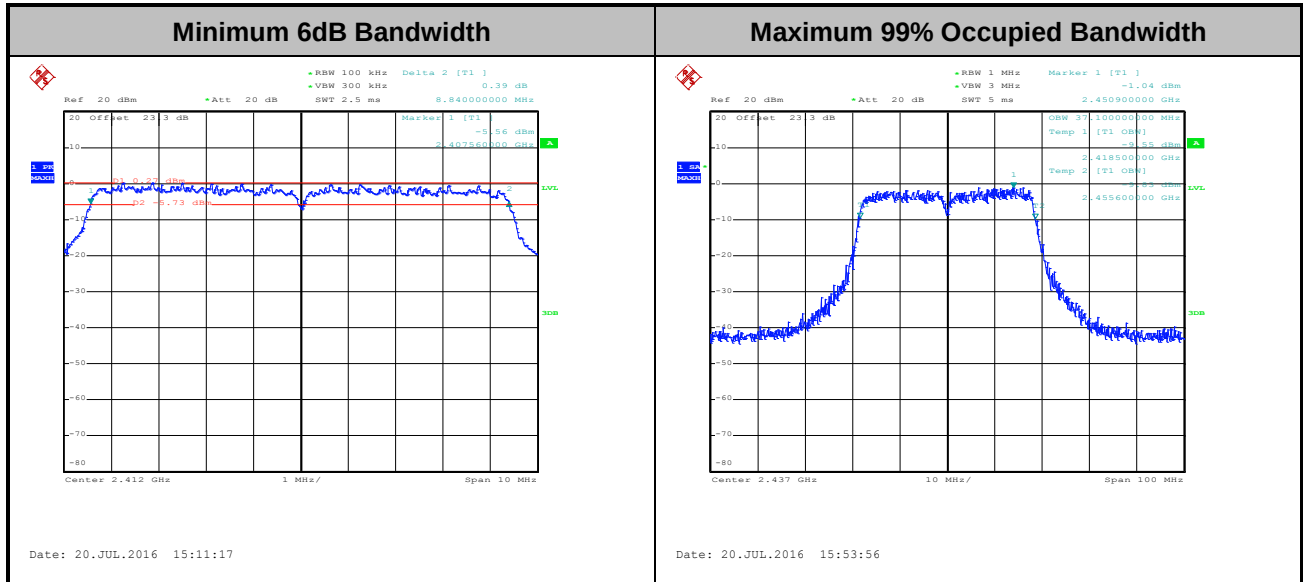


3.1.5 Test Result of 6dB and 99% Occupied Bandwidth

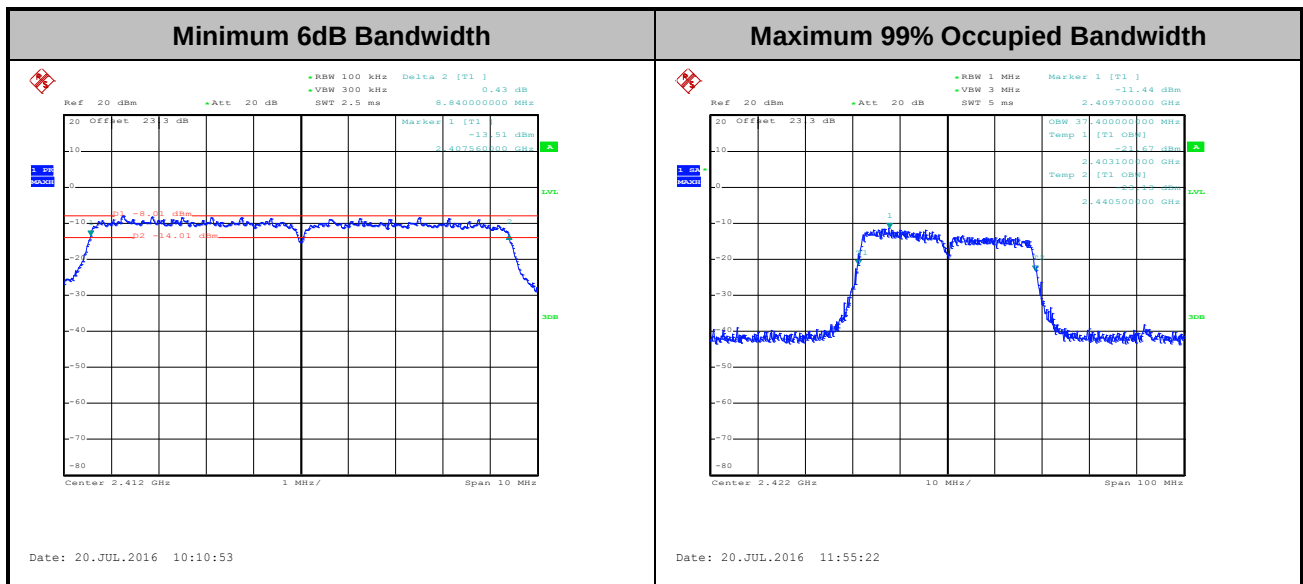
Please refer to Appendix A of this report.

<PTP Mode>

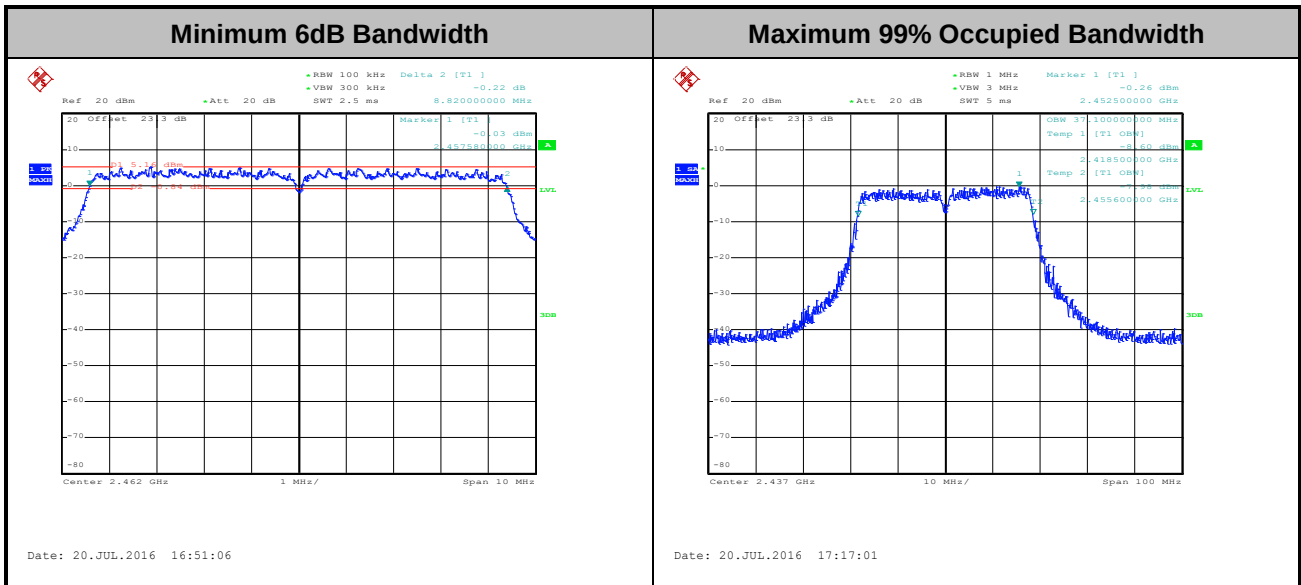
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<Ant. Type 2>

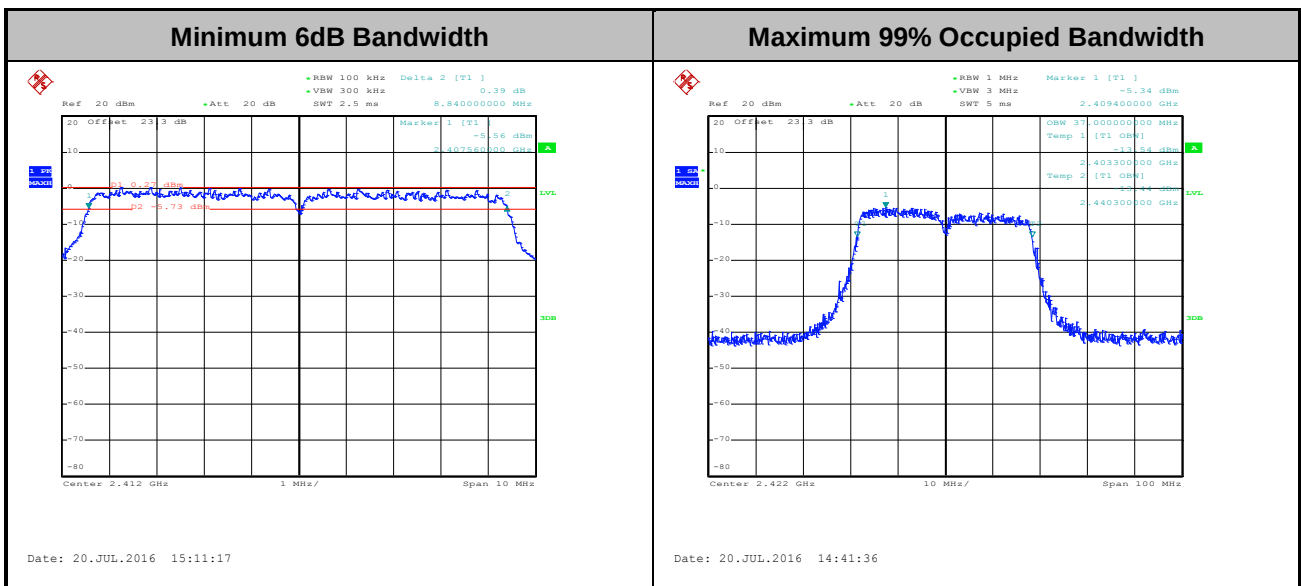


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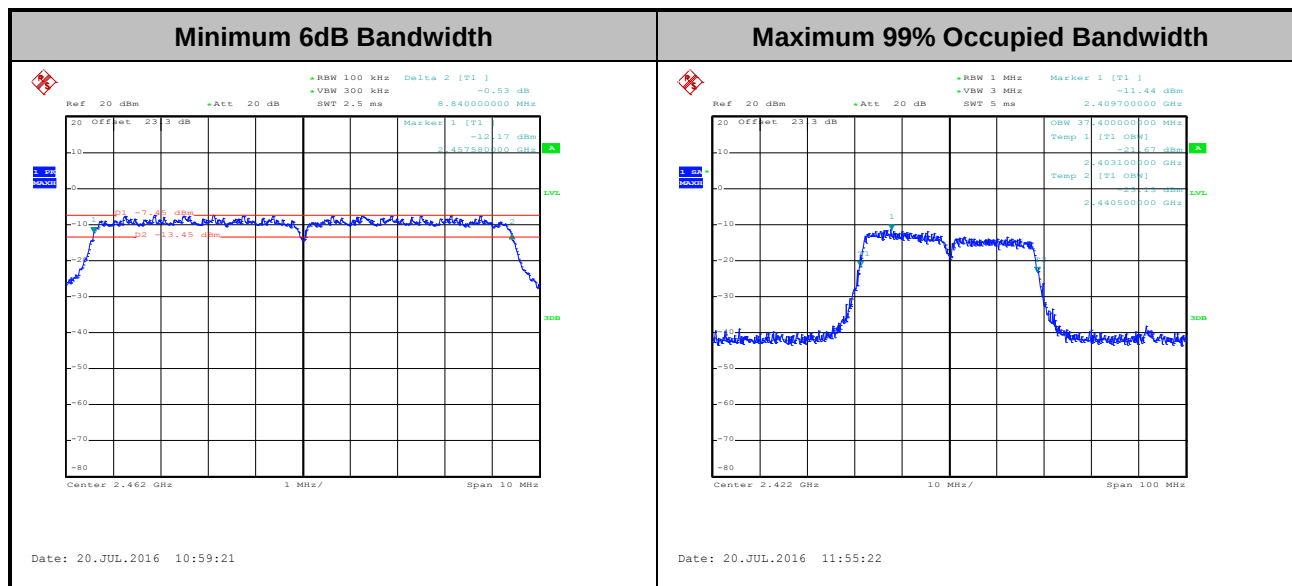
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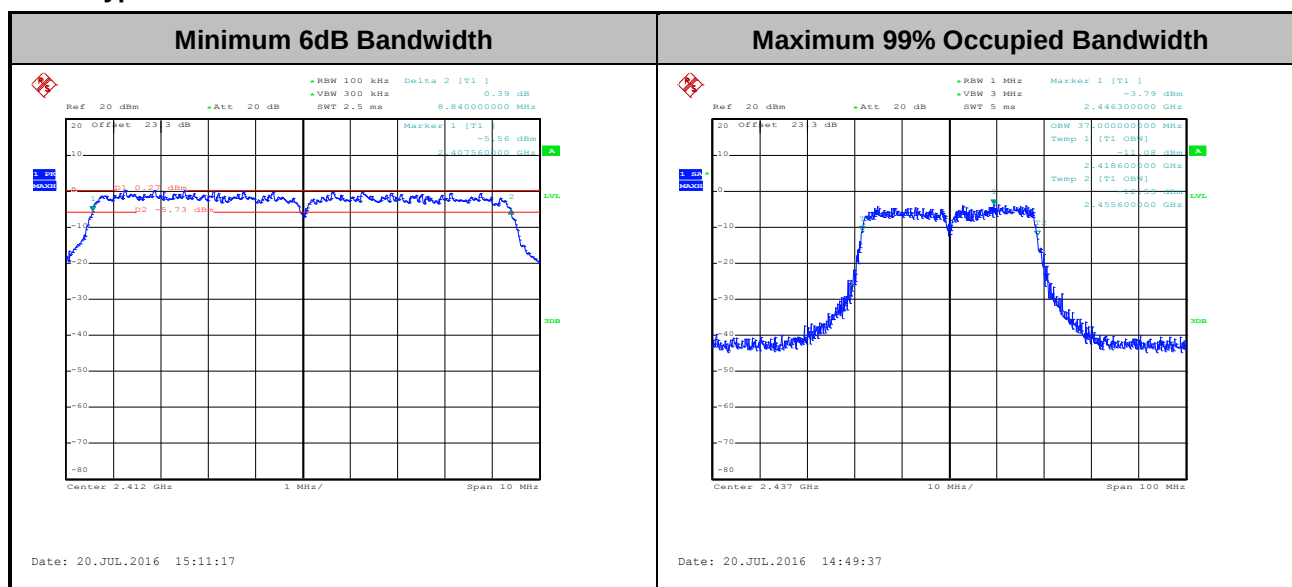




<Ant. Type 2>



<Ant. Type 3>



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.

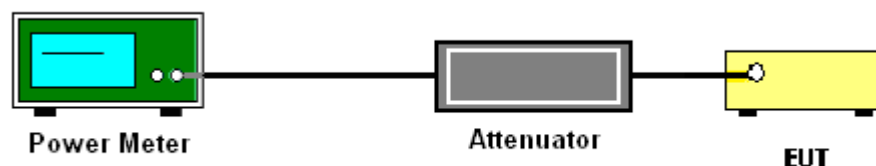
3.2.2 Measuring Instruments

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 report.

3.2.6 Test Result of Average output Power (Reporting Only)

Please refer to Appendix A of this 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.

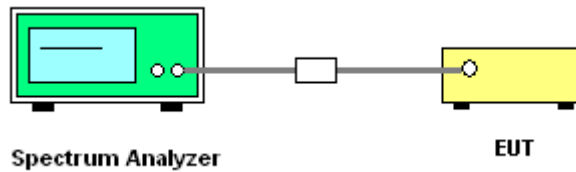
If measurements performed using method (2) plus 10 log (N) exceeds the emission limit, the test should choose method (1) before declaring that the device fails the emission limit.

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

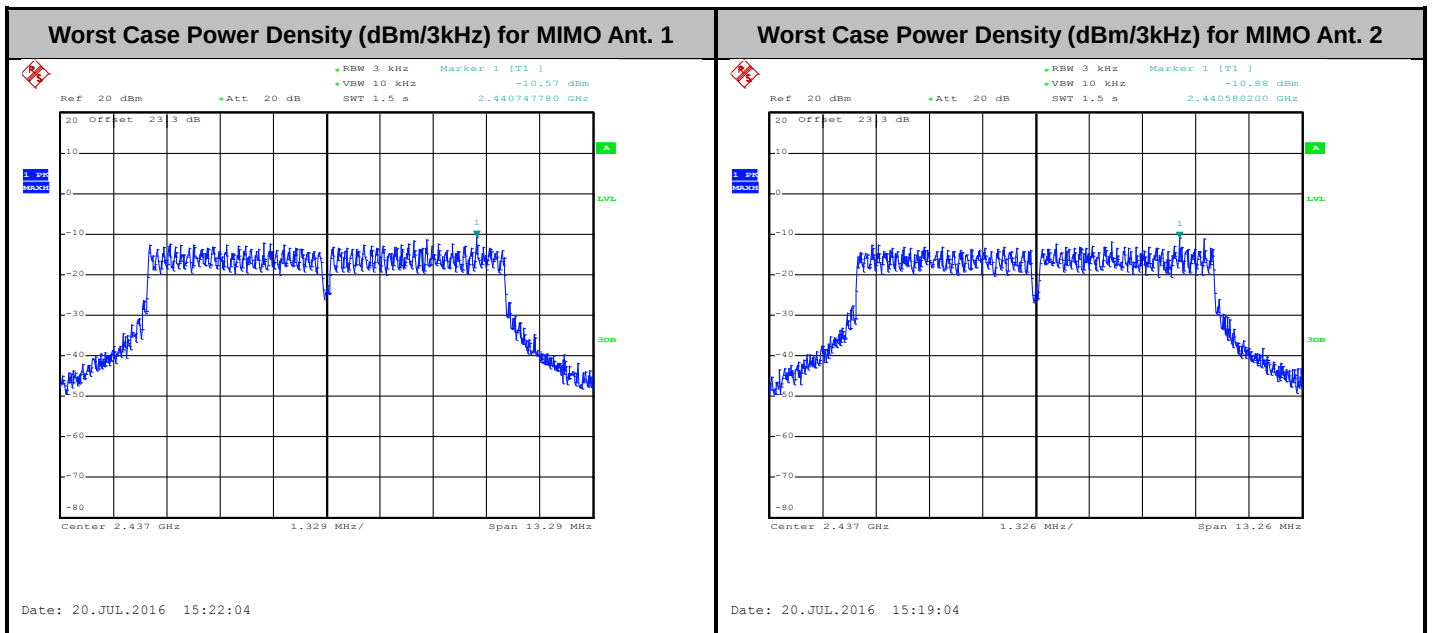


3.3.5 Test Result of Power Spectral Density

Please refer to Appendix A of this report.

<PTP Mode>

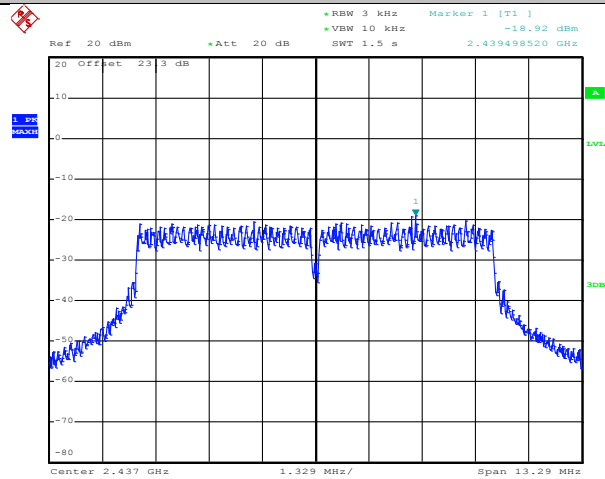
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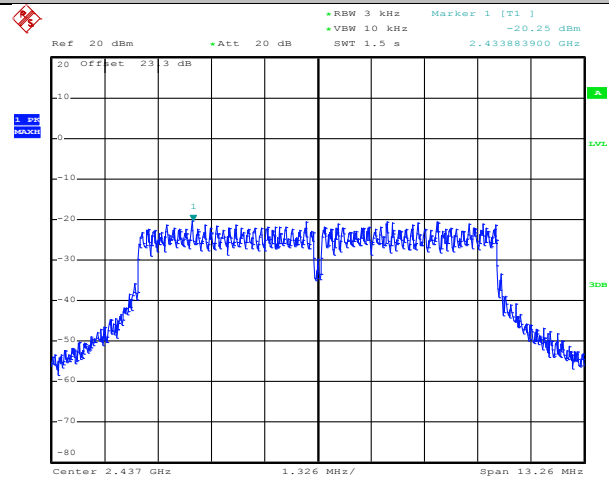
<Ant. Type 2>

Worst Case Power Density (dBm/3kHz) for MIMO Ant. 1



Date: 20.JUL.2016 10:39:18

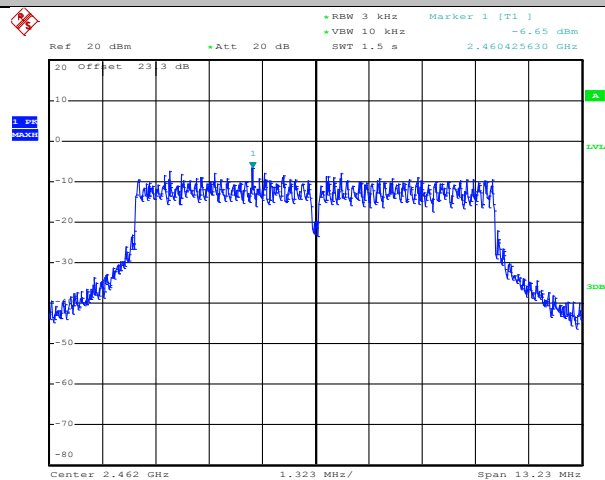
Worst Case Power Density (dBm/3kHz) for MIMO Ant. 2



Date: 20.JUL.2016 10:53:48

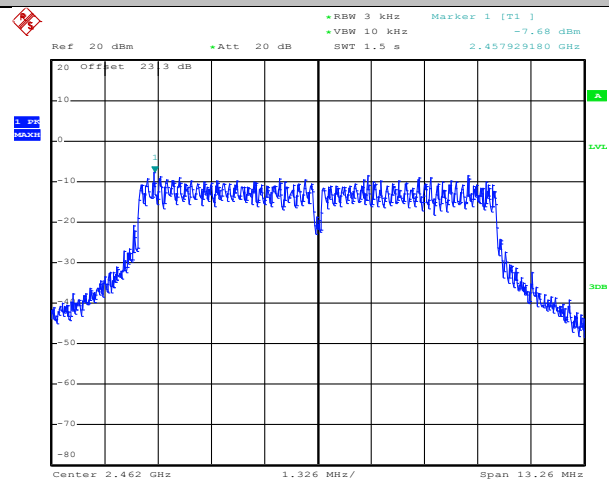
<Ant. Type 3>

Worst Case Power Density (dBm/3kHz) for MIMO Ant. 1



Date: 20.JUL.2016 16:51:20

Worst Case Power Density (dBm/3kHz) for MIMO Ant. 2



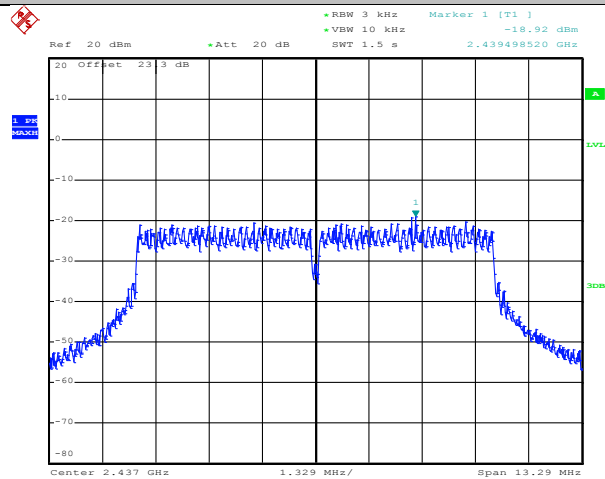
Date: 20.JUL.2016 16:49:44



<PTMP Mode>

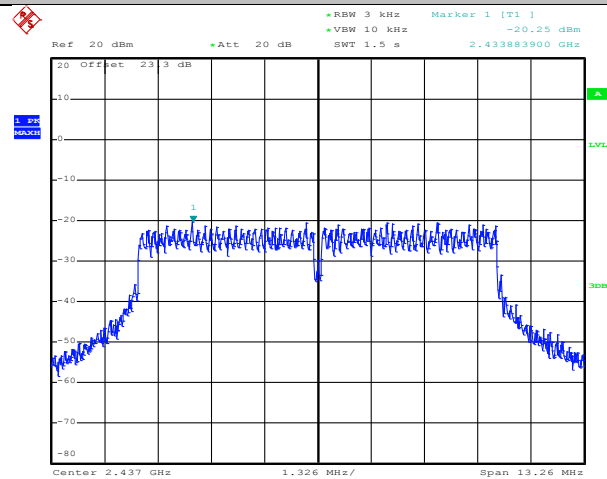
<Ant. Type 1>

Worst Case Power Density (dBm/3kHz) for MIMO Ant. 1



Date: 20.JUL.2016 10:39:18

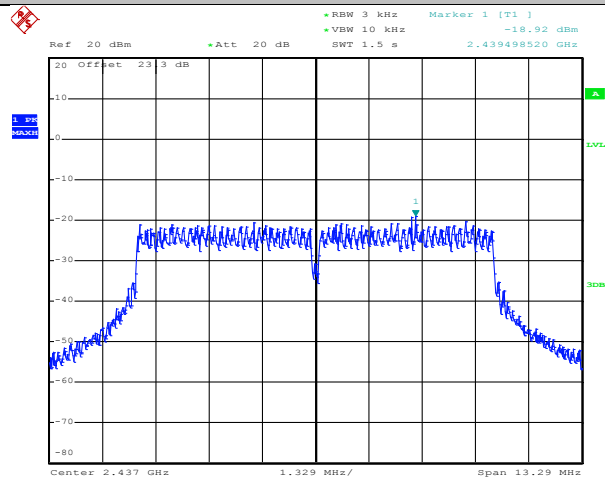
Worst Case Power Density (dBm/3kHz) for MIMO Ant. 2



Date: 20.JUL.2016 10:53:48

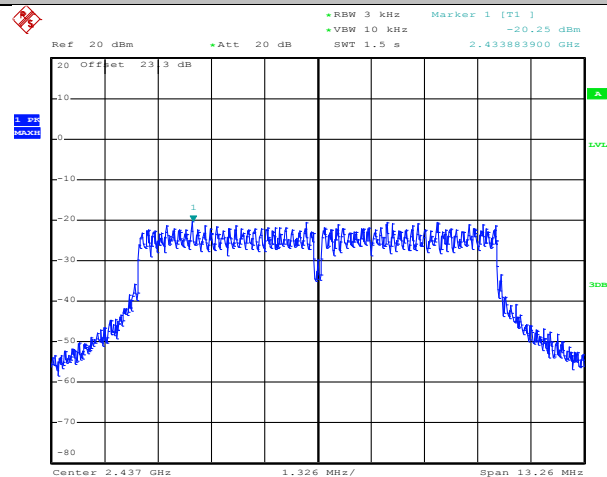
<Ant. Type 2>

Worst Case Power Density (dBm/3kHz) for MIMO Ant. 1



Date: 20.JUL.2016 10:39:18

Worst Case Power Density (dBm/3kHz) for MIMO Ant. 2

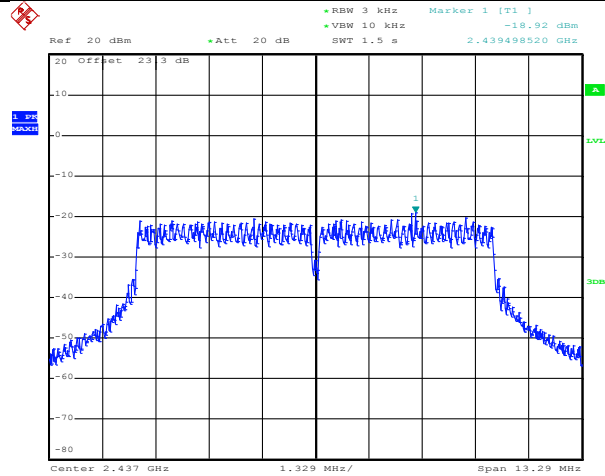


Date: 20.JUL.2016 10:53:48



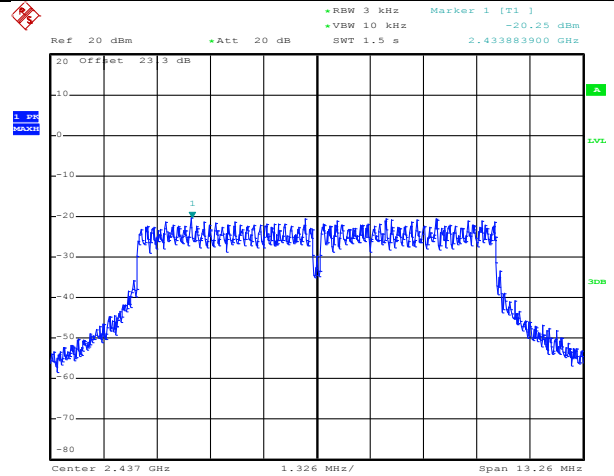
<Ant. Type 3>

Worst Case Power Density (dBm/3kHz) for MIMO Ant. 1



Date: 20.JUL.2016 10:39:18

Worst Case Power Density (dBm/3kHz) for MIMO Ant. 2



Date: 20.JUL.2016 10:53:48

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).

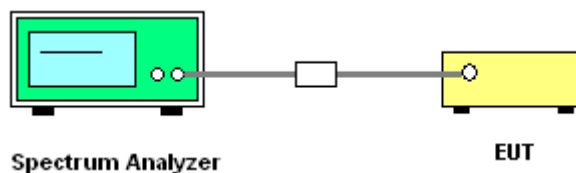
3.4.2 Measuring Instruments

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



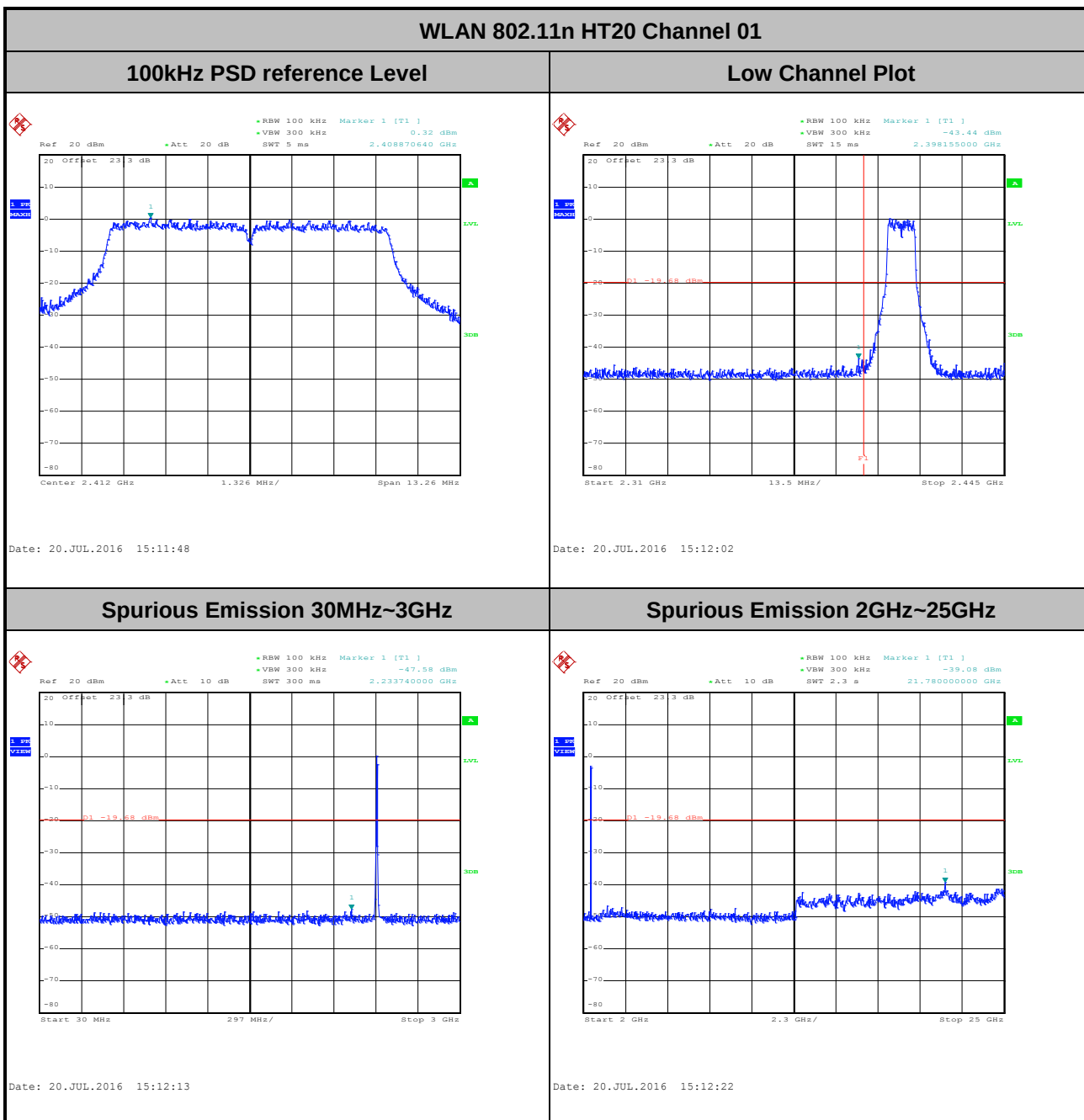


3.4.5 Test Result of Conducted Band Edges and Spurious Emission

<PTP Mode>

<Ant. Type 1> Number of TX = 2, Ant. 1 (Measured)

Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25℃
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

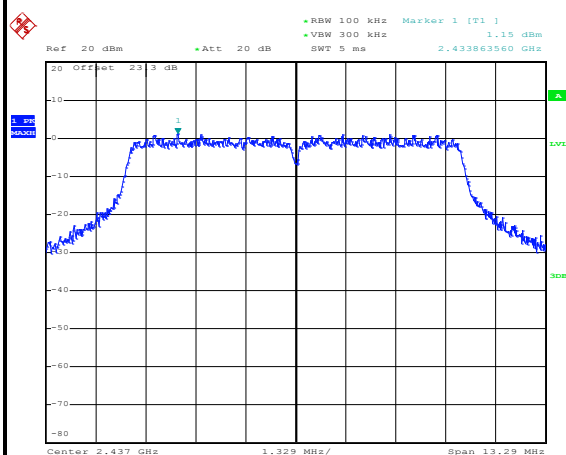




Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

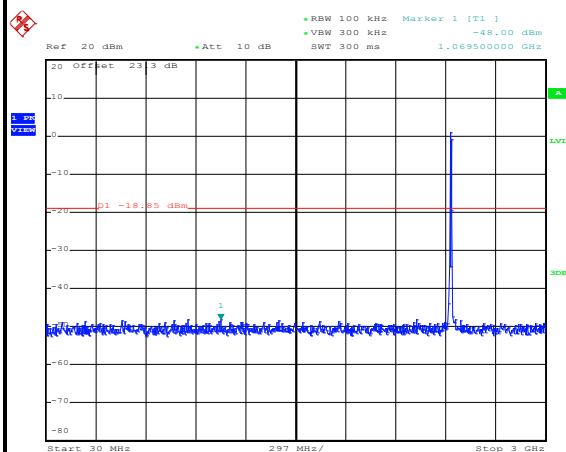
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level



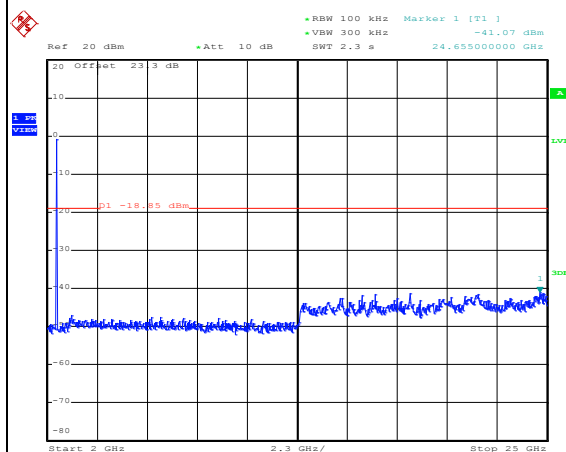
Date: 20.JUL.2016 15:22:17

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:22:52

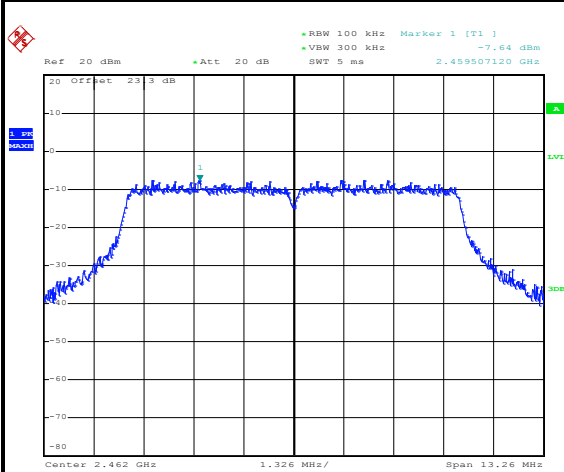
Spurious Emission 2GHz~25GHz



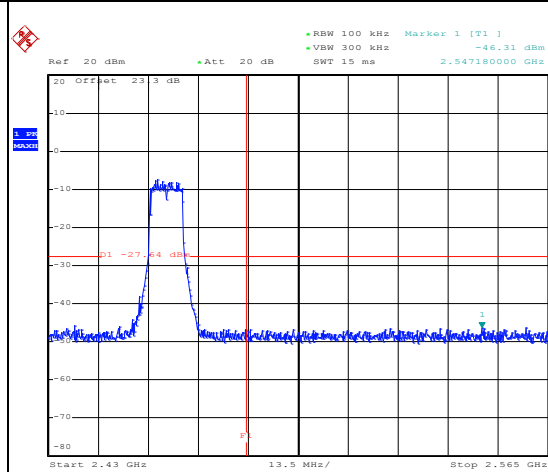
Date: 20.JUL.2016 15:23:01



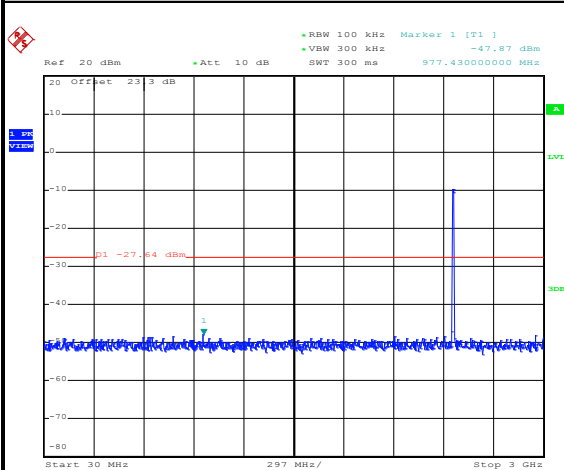
Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

WLAN 802.11n HT20 Channel 11**100kHz PSD reference Level**

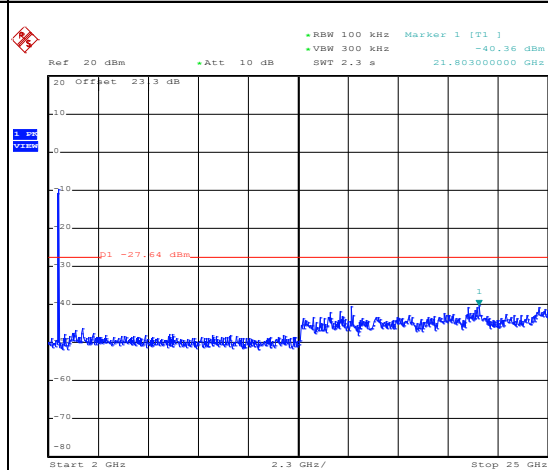
Date: 20.JUL.2016 10:59:52

High Channel Plot

Date: 20.JUL.2016 11:00:05

Spurious Emission 30MHz~3GHz

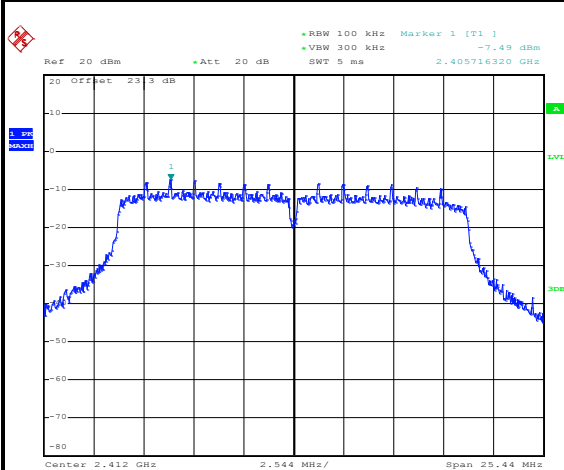
Date: 20.JUL.2016 11:00:18

Spurious Emission 2GHz~25GHz

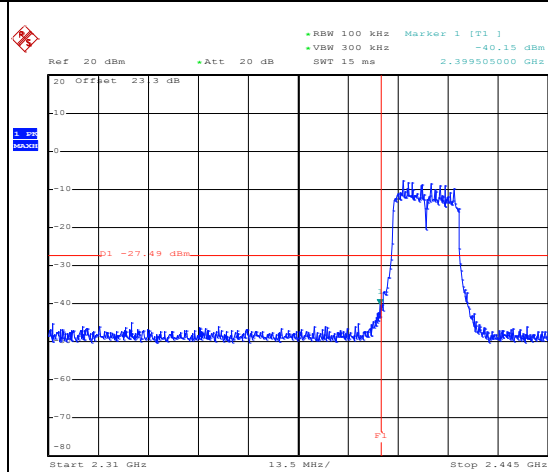
Date: 20.JUL.2016 11:00:26



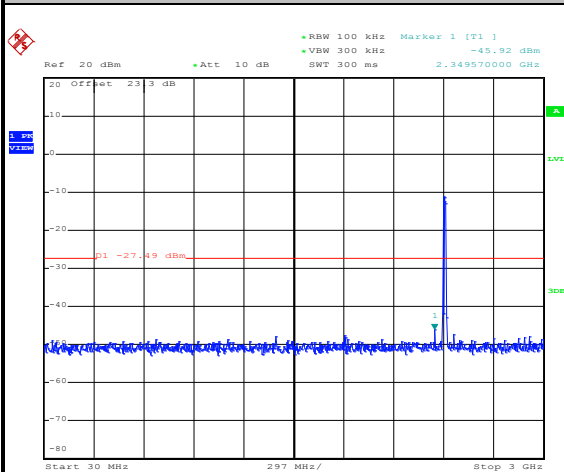
Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT20 Channel 01**100kHz PSD reference Level**

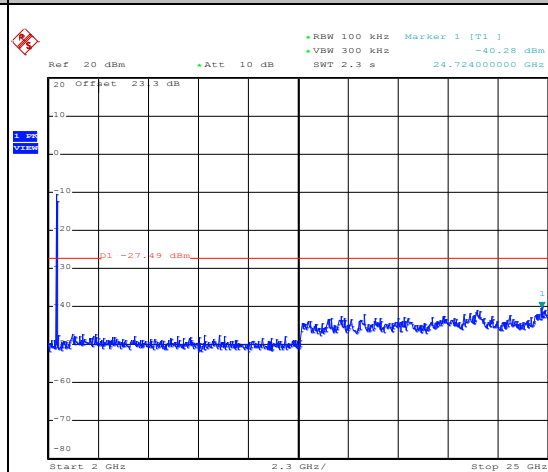
Date: 20.JUL.2016 15:28:10

Low Channel Plot

Date: 20.JUL.2016 15:28:36

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 15:29:11

Spurious Emission 2GHz~25GHz

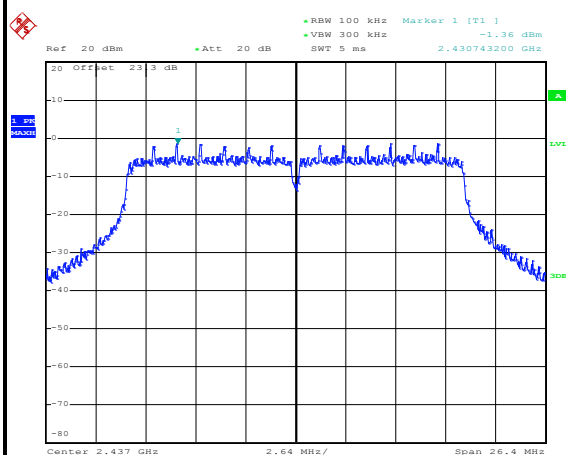
Date: 20.JUL.2016 15:29:19



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

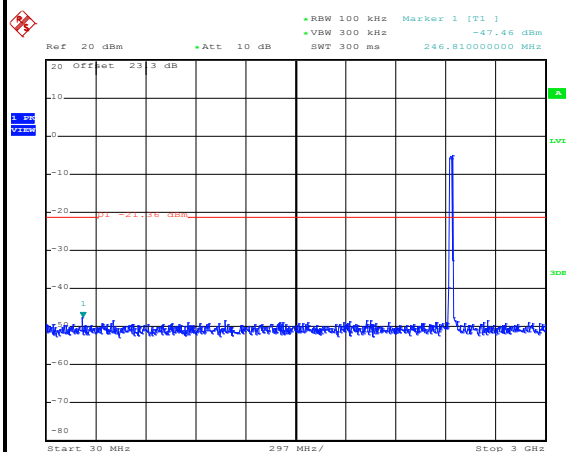
WLAN 802.11ac VHT20 Channel 06

100kHz PSD reference Level



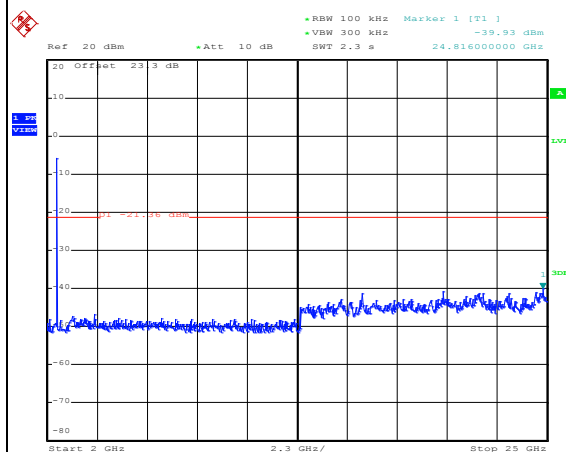
Date: 20.JUL.2016 15:33:52

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:34:03

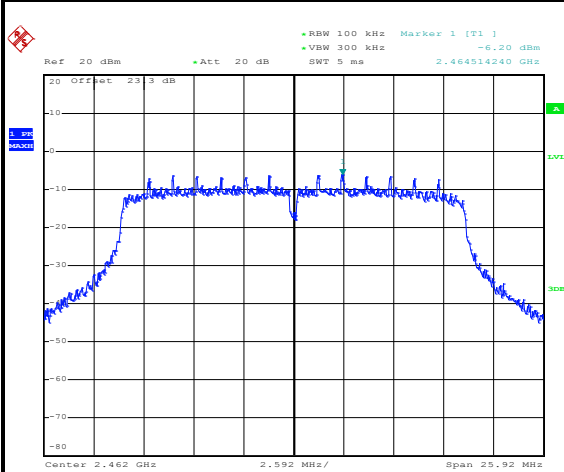
Spurious Emission 2GHz~25GHz



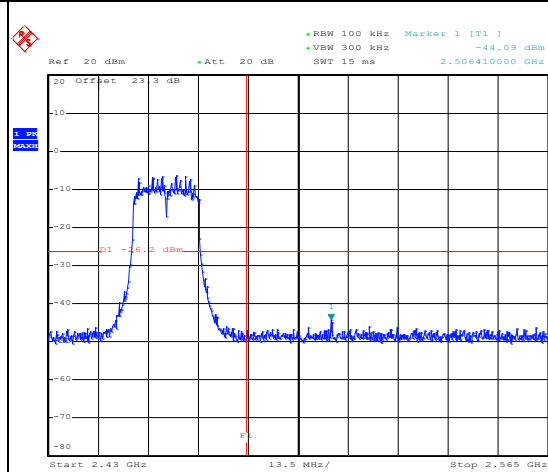
Date: 20.JUL.2016 15:34:12



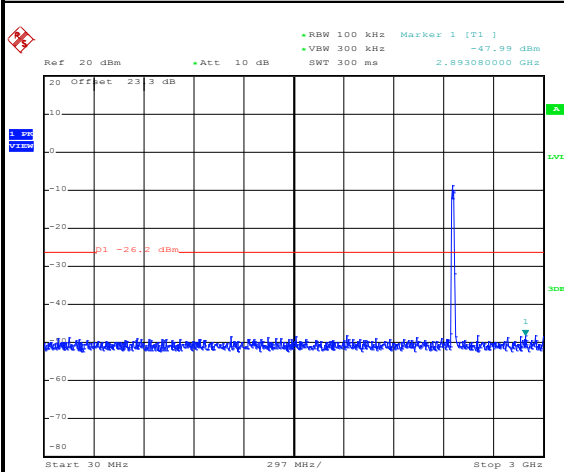
Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT20 Channel 11**100kHz PSD reference Level**

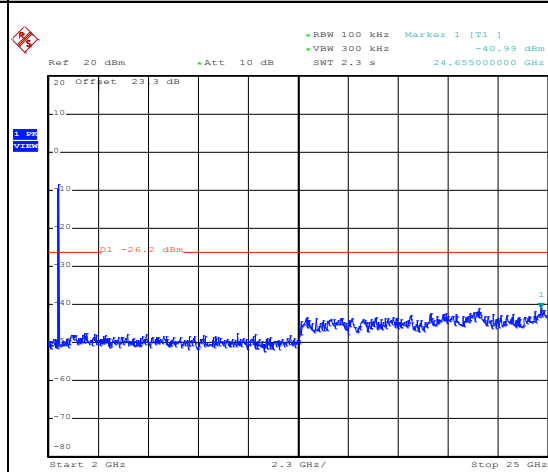
Date: 20.JUL.2016 15:39:59

High Channel Plot

Date: 20.JUL.2016 15:40:12

Spurious Emission 30MHz~3GHz

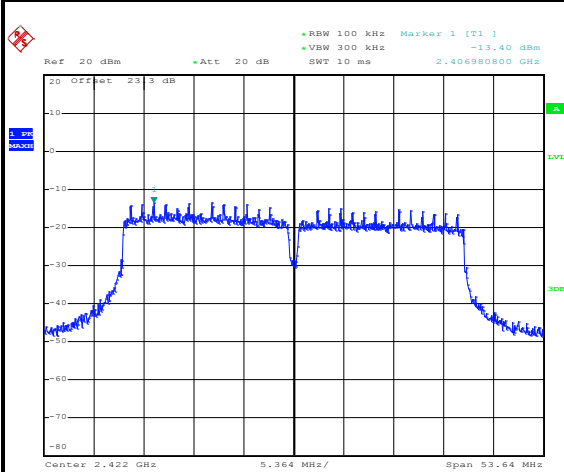
Date: 20.JUL.2016 15:40:23

Spurious Emission 2GHz~25GHz

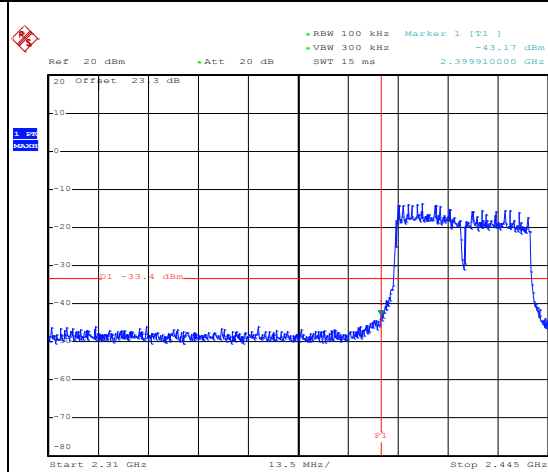
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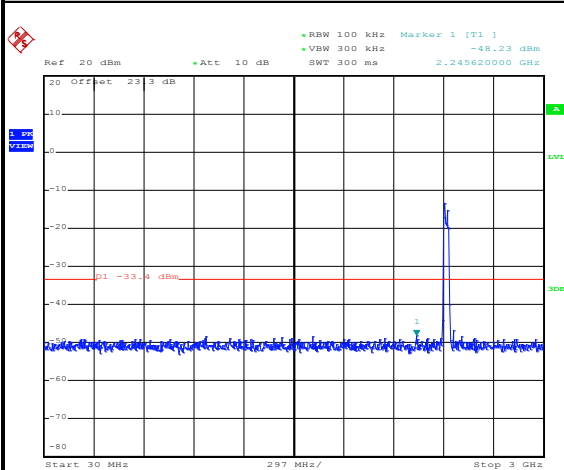
Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT40 Channel 03**100kHz PSD reference Level**

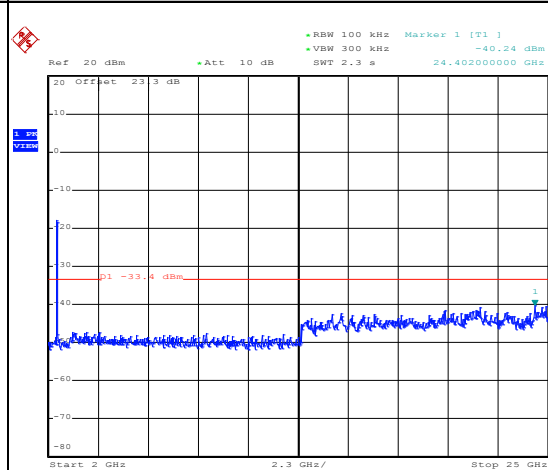
Date: 20.JUL.2016 15:45:12

Low Channel Plot

Date: 20.JUL.2016 15:45:24

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 15:47:45

Spurious Emission 2GHz~25GHz

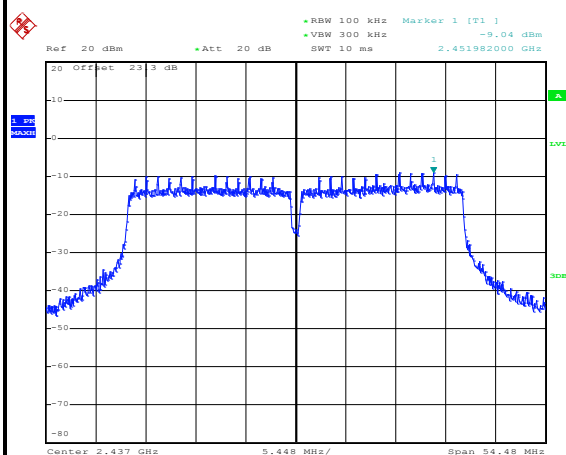
Date: 20.JUL.2016 15:47:28



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

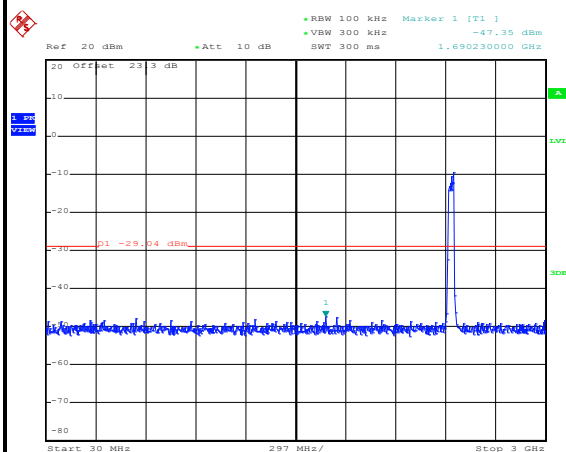
WLAN 802.11ac VHT40 Channel 06

100kHz PSD reference Level



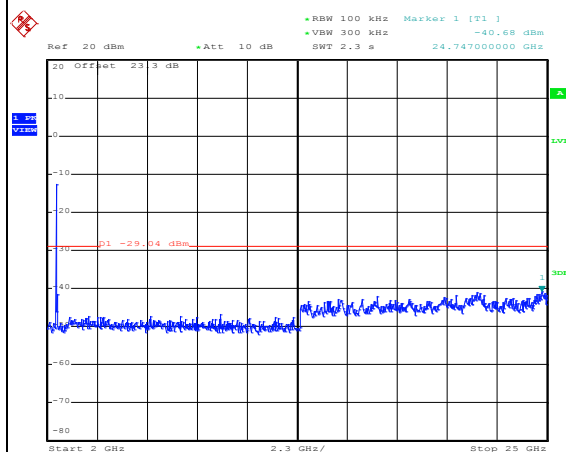
Date: 20.JUL.2016 15:52:26

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:53:27

Spurious Emission 2GHz~25GHz

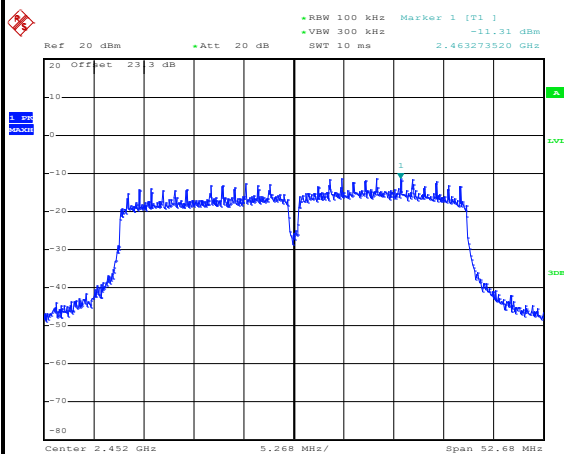


Date: 20.JUL.2016 15:53:08

Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25℃
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

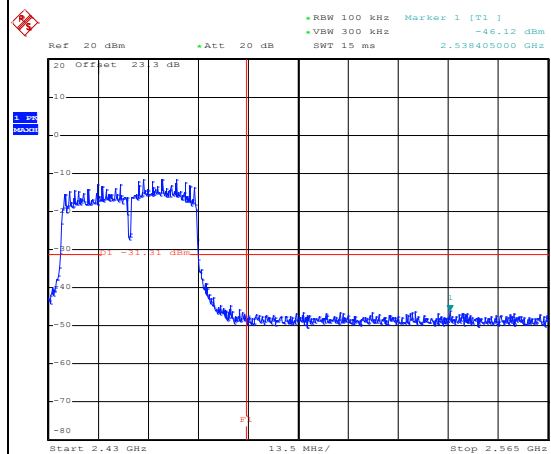
WLAN 802.11ac VHT40 Channel 09

100kHz PSD reference Level



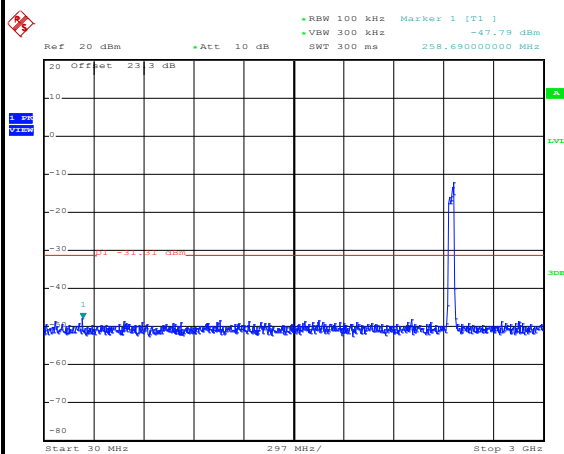
Date: 20.JUL.2016 15:58:26

High Channel Plot



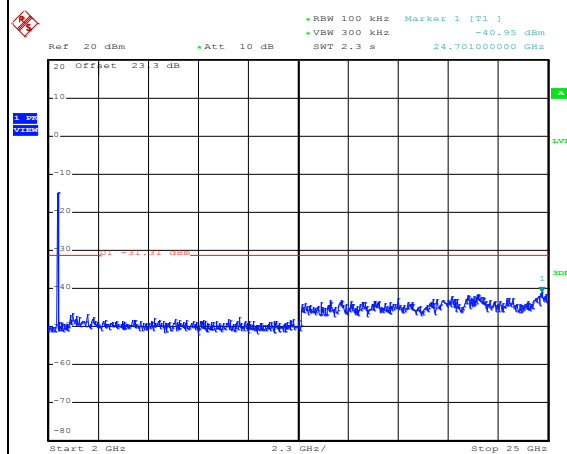
Date: 20.JUL.2016 15:58:40

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:58:52

Spurious Emission 2GHz~25GHz



Date: 20.JUL.2016 15:59:00

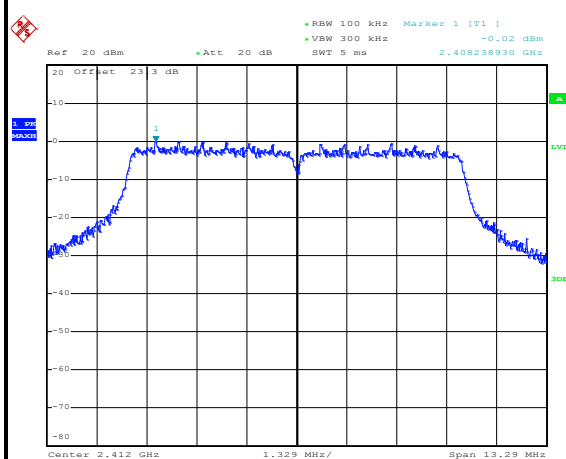


Number of TX = 2, Ant. 2 (Measured)

Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

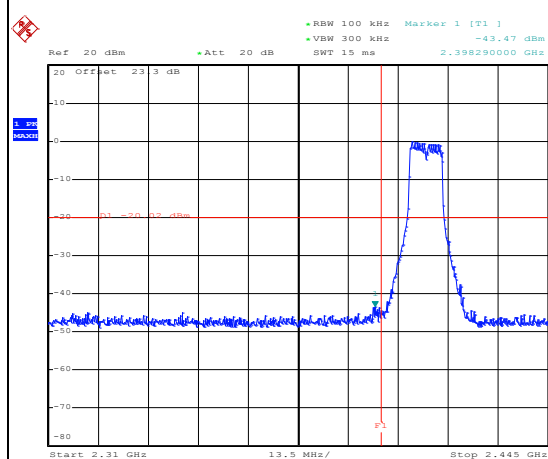
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



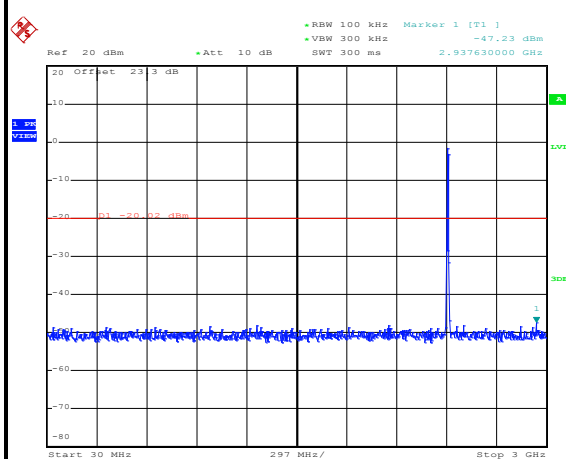
Date: 20.JUL.2016 15:14:58

Low Channel Plot



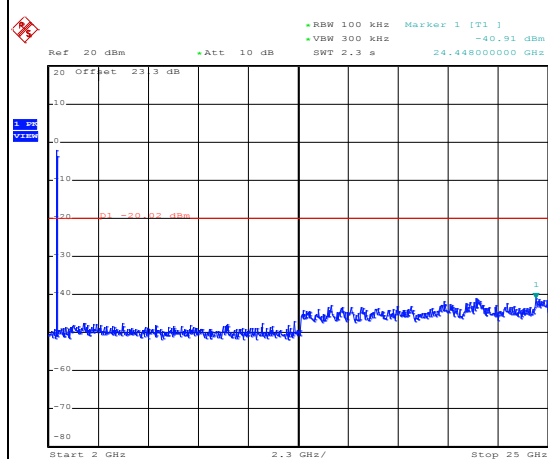
Date: 20.JUL.2016 15:15:40

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:15:53

Spurious Emission 2GHz~25GHz



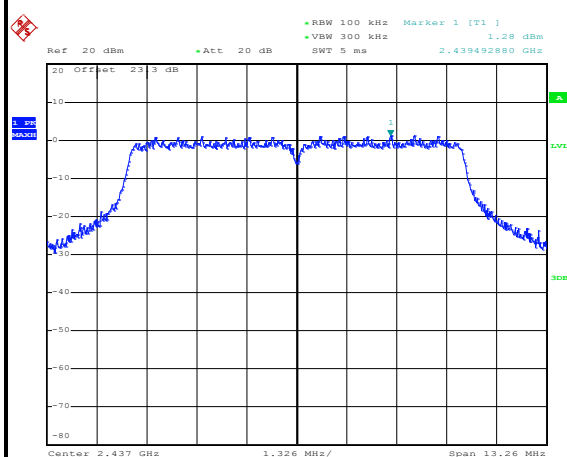
Date: 20.JUL.2016 15:16:01



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

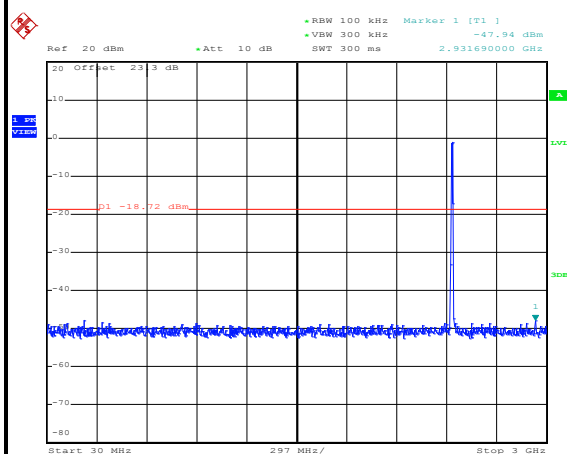
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level



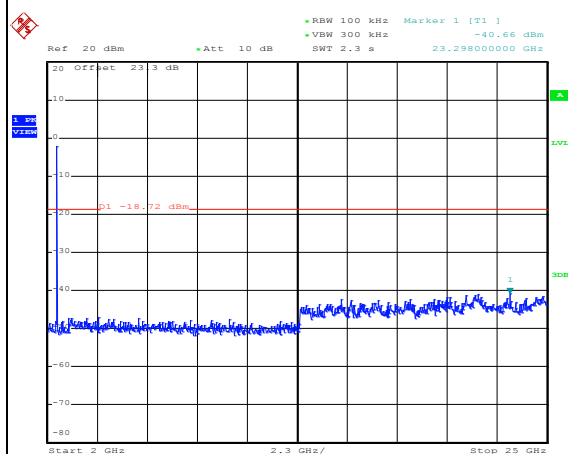
Date: 20.JUL.2016 15:19:25

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:20:09

Spurious Emission 2GHz~25GHz



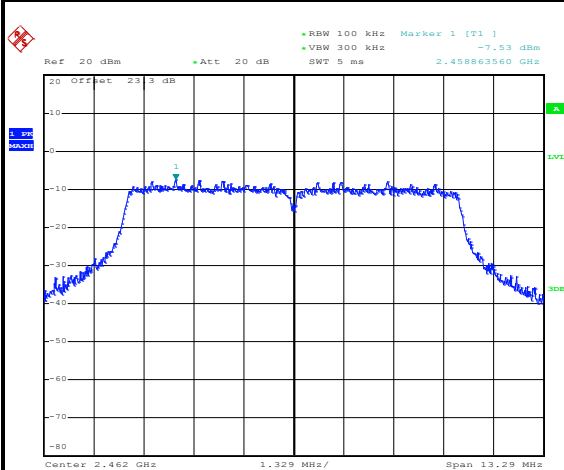
Date: 20.JUL.2016 15:20:17



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

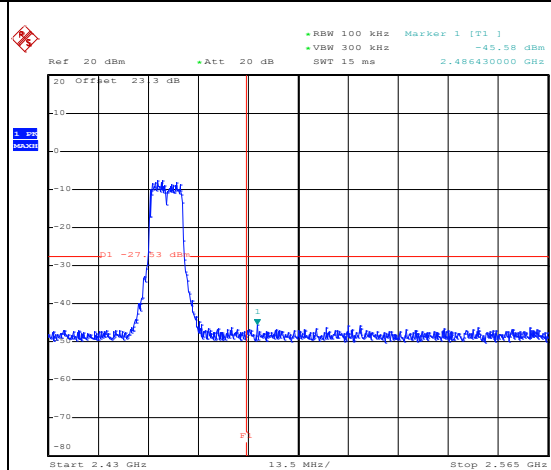
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



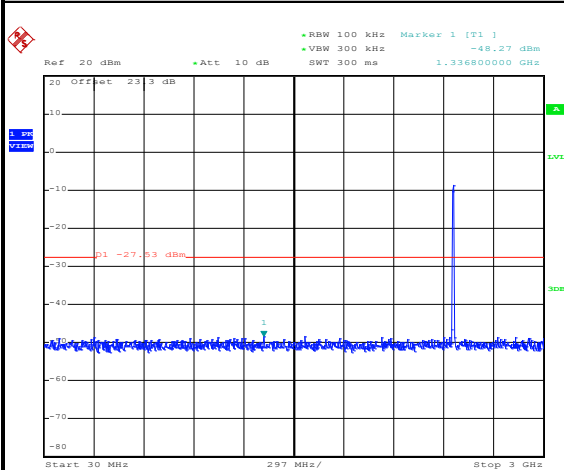
Date: 20.JUL.2016 11:04:40

High Channel Plot



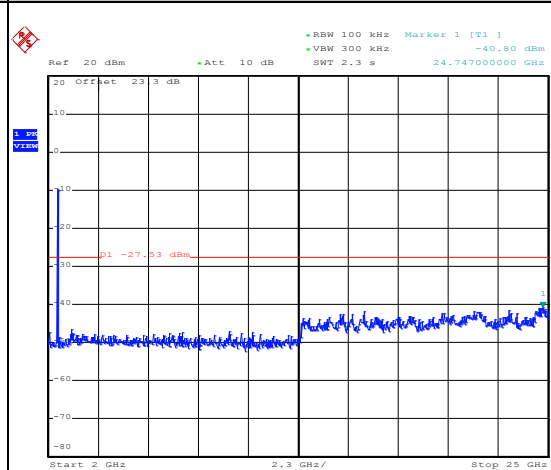
Date: 20.JUL.2016 11:04:55

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:05:07

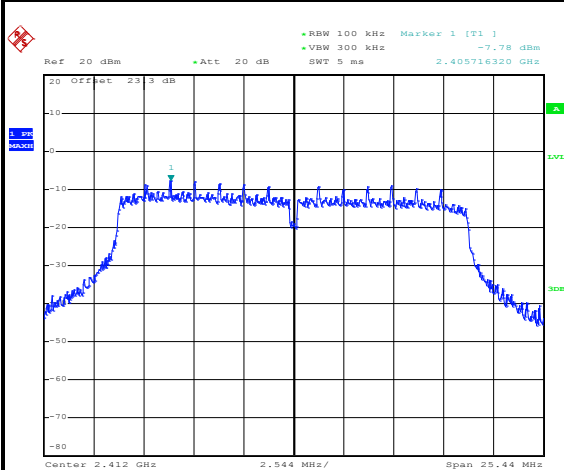
Spurious Emission 2GHz~25GHz



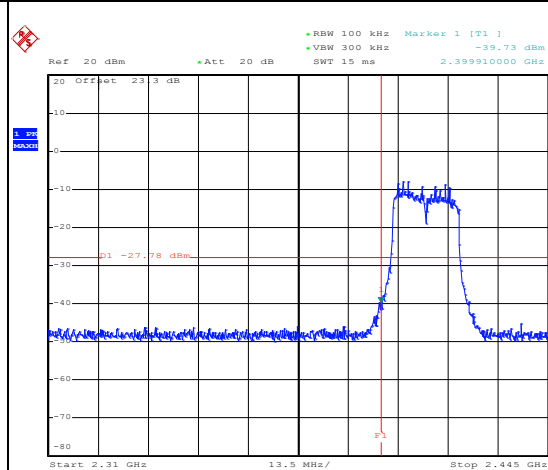
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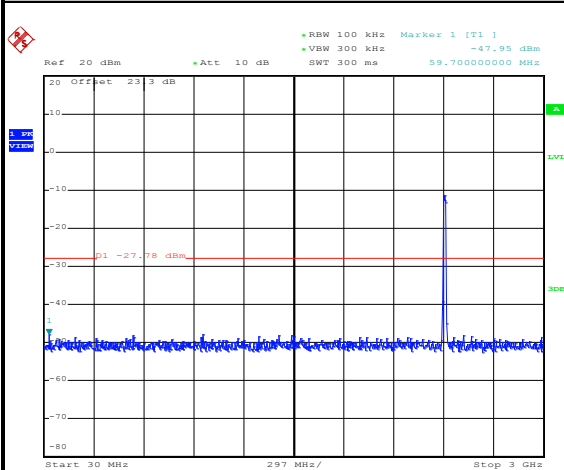
Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT20 Channel 01**100kHz PSD reference Level**

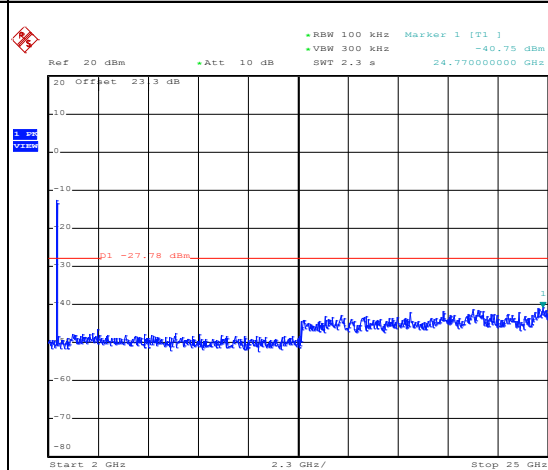
Date: 20.JUL.2016 15:25:36

Low Channel Plot

Date: 20.JUL.2016 15:25:53

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 15:26:04

Spurious Emission 2GHz~25GHz

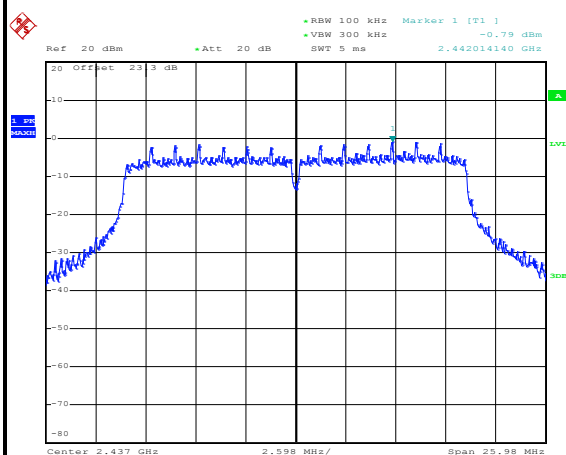
Date: 20.JUL.2016 15:26:12



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

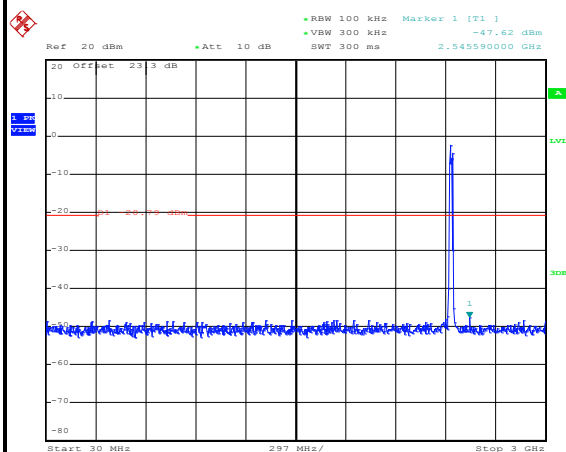
WLAN 802.11ac VHT20 Channel 06

100kHz PSD reference Level



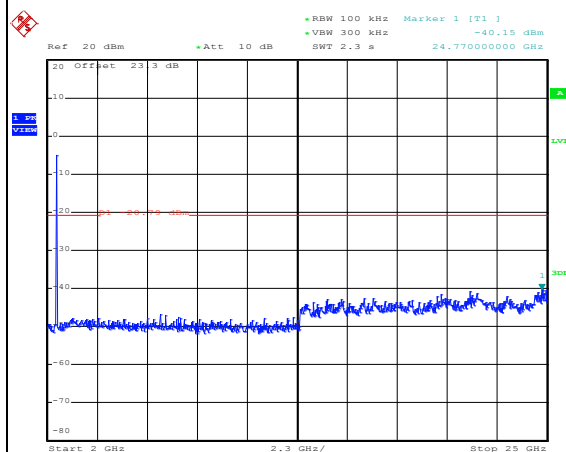
Date: 20.JUL.2016 15:31:56

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:32:08

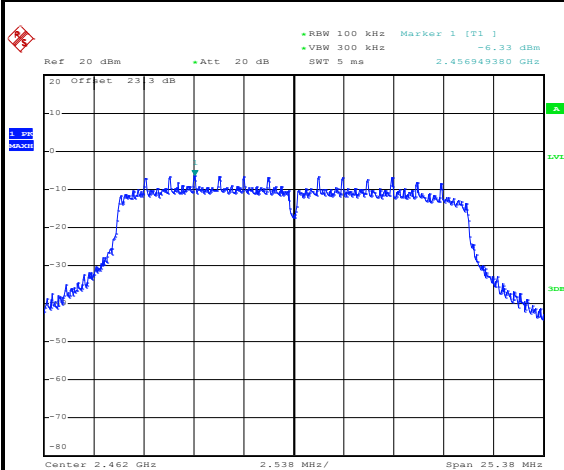
Spurious Emission 2GHz~25GHz



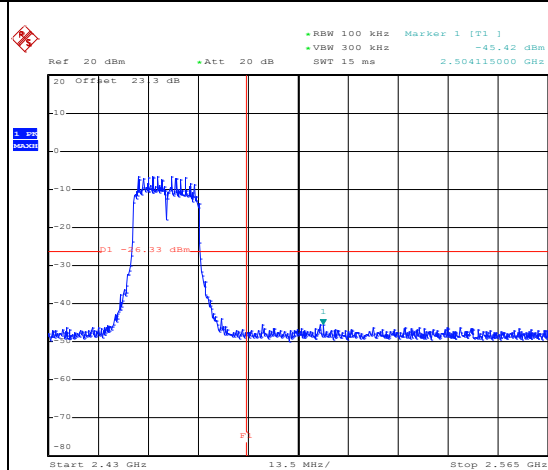
Date: 20.JUL.2016 15:32:17



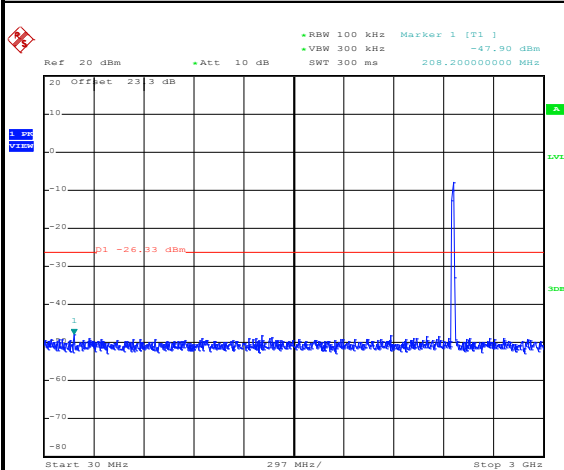
Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT20 Channel 11**100kHz PSD reference Level**

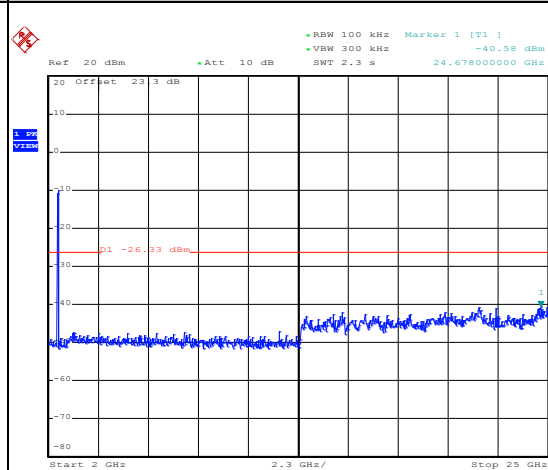
Date: 20.JUL.2016 15:37:46

High Channel Plot

Date: 20.JUL.2016 15:38:06

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 15:38:17

Spurious Emission 2GHz~25GHz

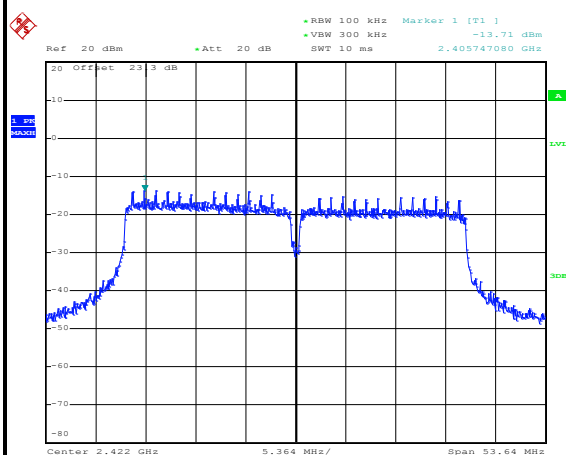
Date: 20.JUL.2016 15:38:26



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

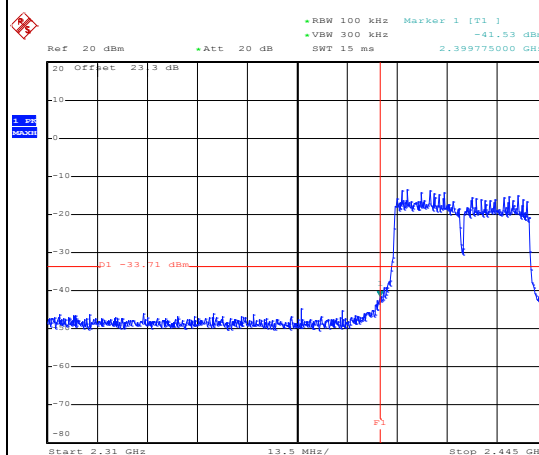
WLAN 802.11ac VHT40 Channel 03

100kHz PSD reference Level



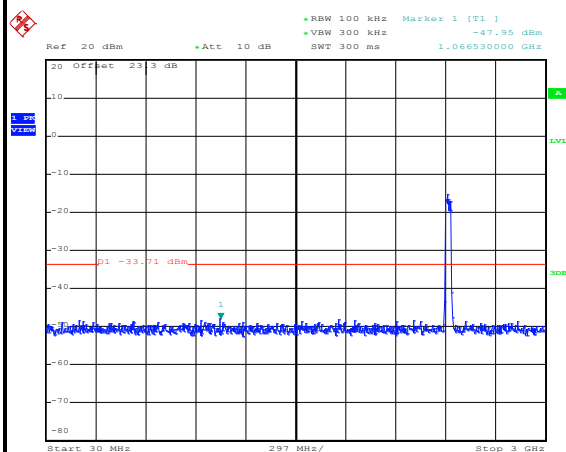
Date: 20.JUL.2016 15:42:50

Low Channel Plot



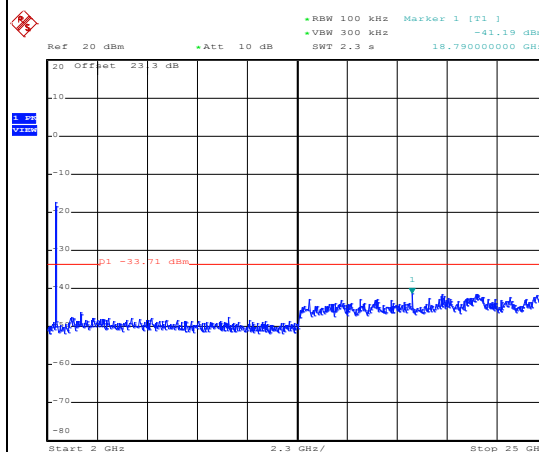
Date: 20.JUL.2016 15:43:02

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:43:34

Spurious Emission 2GHz~25GHz



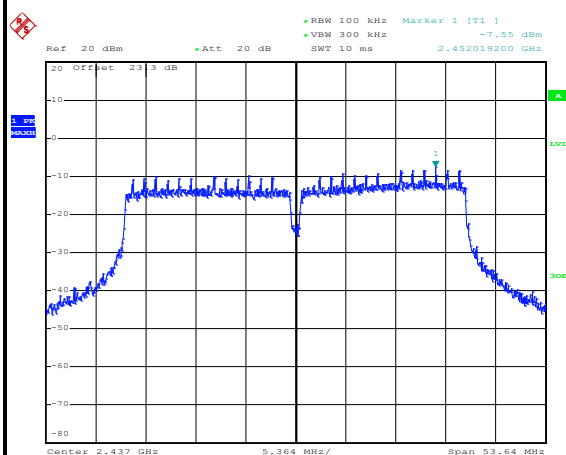
Date: 20.JUL.2016 15:43:42



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

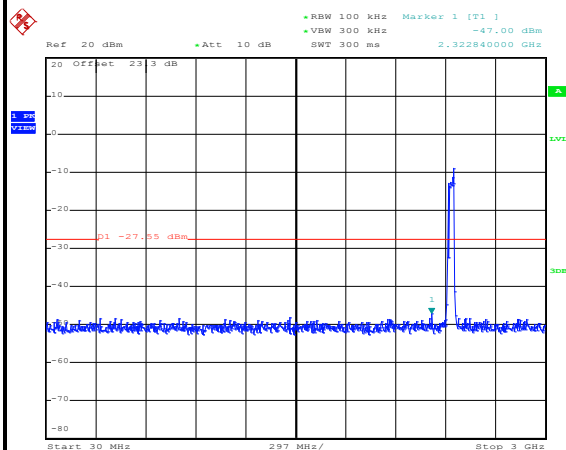
WLAN 802.11ac VHT40 Channel 06

100kHz PSD reference Level



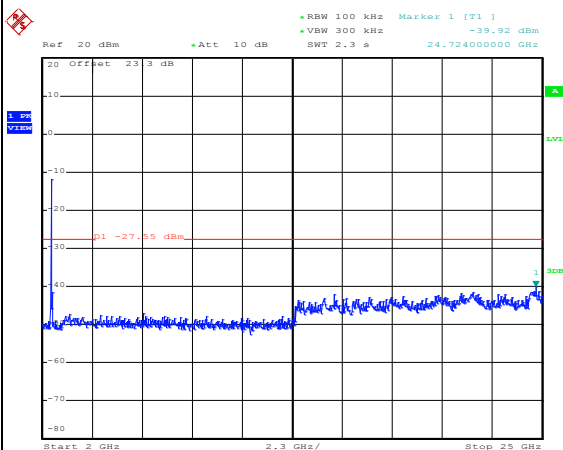
Date: 20.JUL.2016 15:50:40

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:50:51

Spurious Emission 2GHz~25GHz

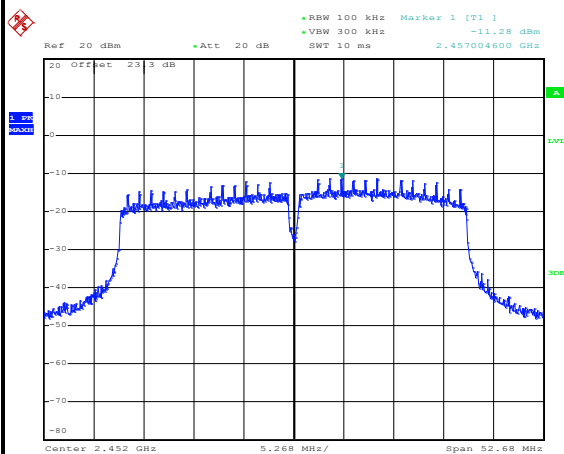


Date: 20.JUL.2016 15:50:59

Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25℃
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

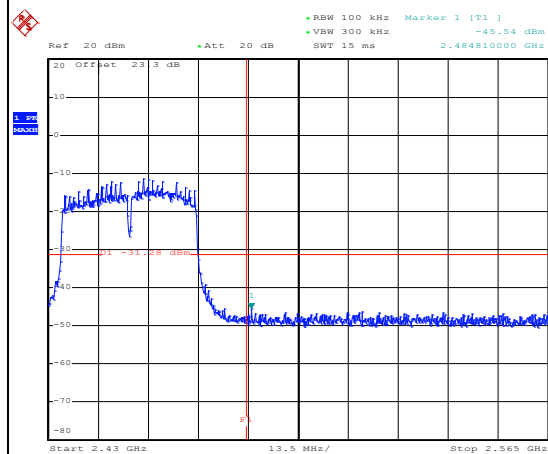
WLAN 802.11ac VHT40 Channel 09

100kHz PSD reference Level



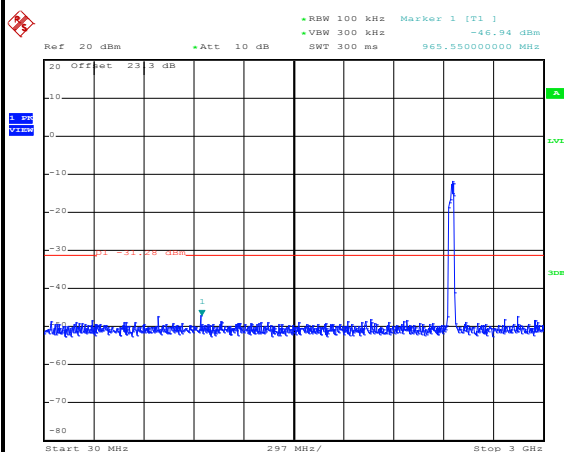
Date: 20.JUL.2016 15:56:18

High Channel Plot



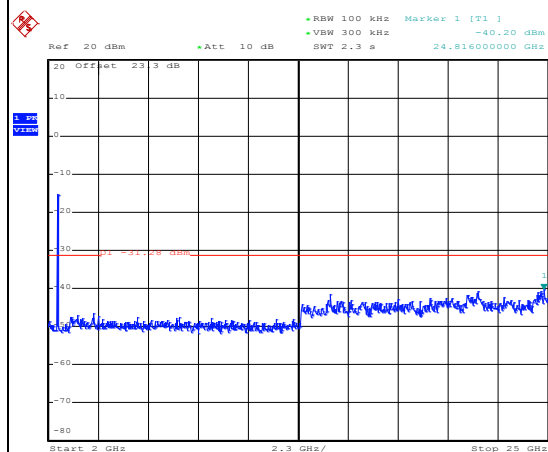
Date: 20.JUL.2016 15:56:30

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:56:42

Spurious Emission 2GHz~25GHz



Date: 20.JUL.2016 15:56:50

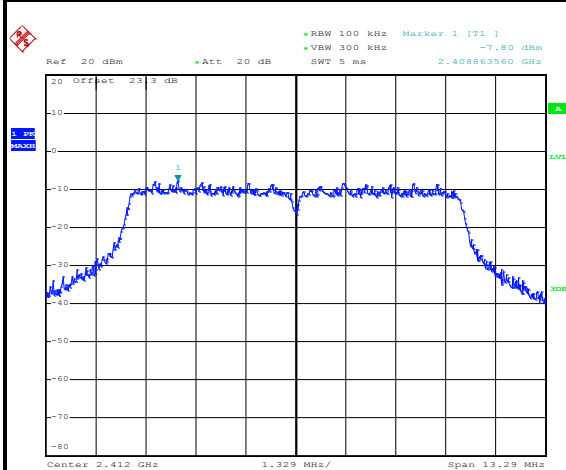


<Ant. Type 2>

Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

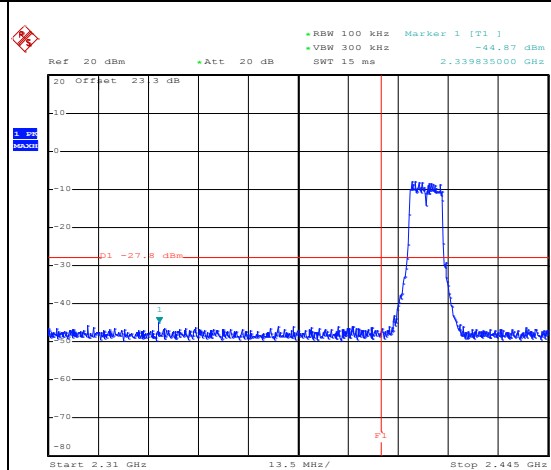
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



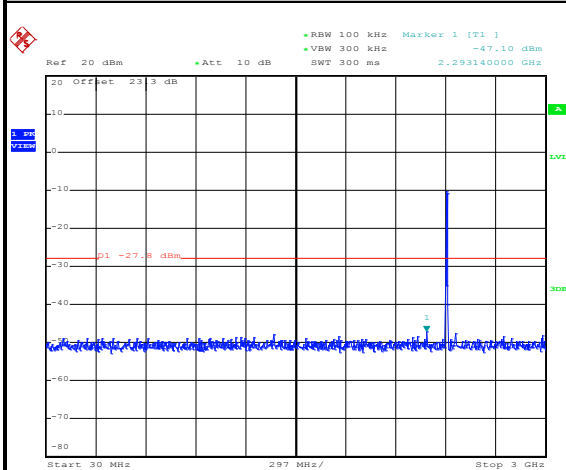
Date: 20.JUL.2016 10:22:47

Low Channel Plot



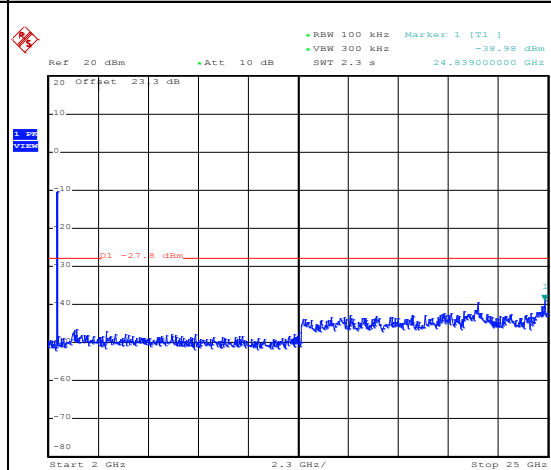
Date: 20.JUL.2016 10:33:35

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 10:57:30

Spurious Emission 2GHz~25GHz



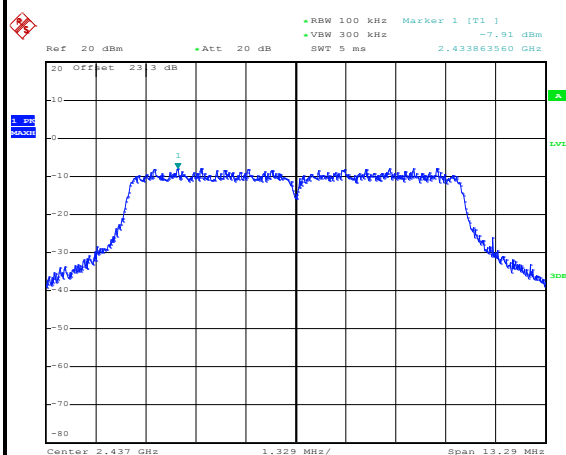
Date: 20.JUL.2016 10:57:39



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

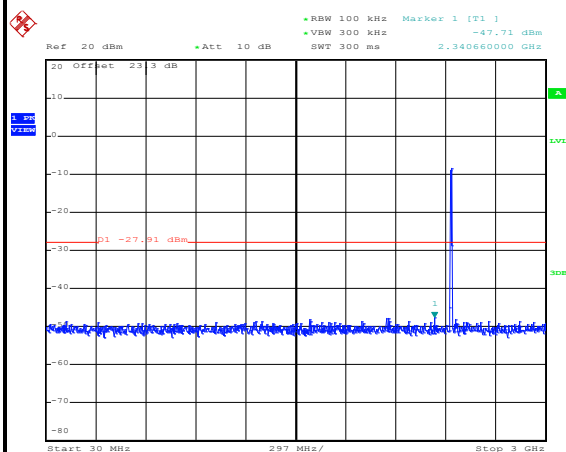
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level



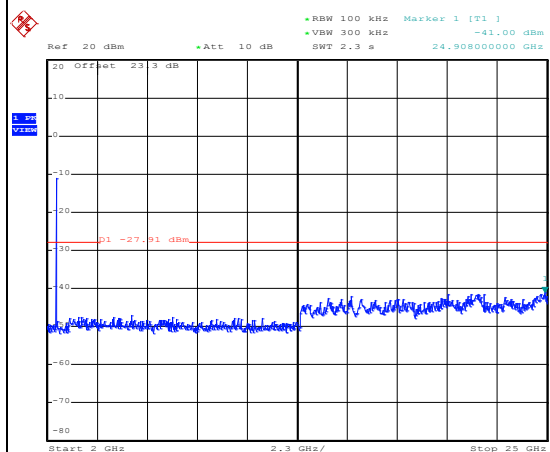
Date: 20.JUL.2016 10:39:41

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 10:39:52

Spurious Emission 2GHz~25GHz



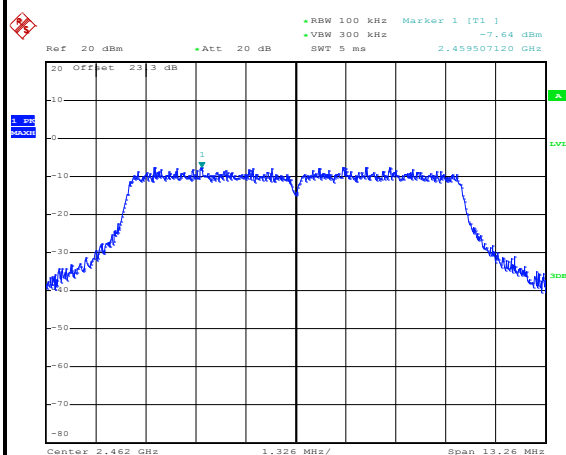
Date: 20.JUL.2016 10:40:01



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

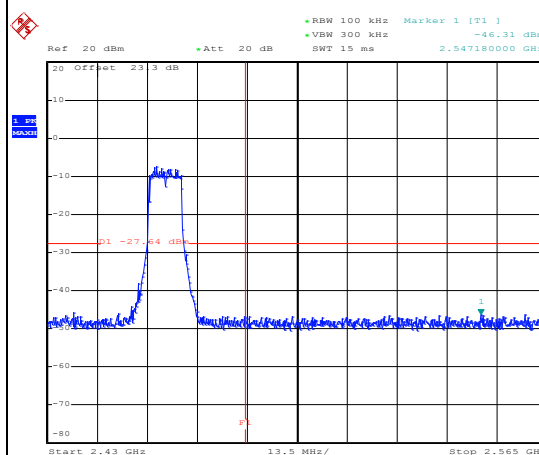
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



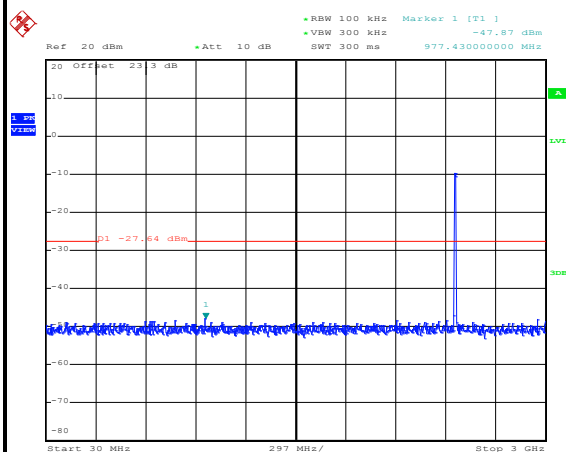
Date: 20.JUL.2016 10:59:52

High Channel Plot



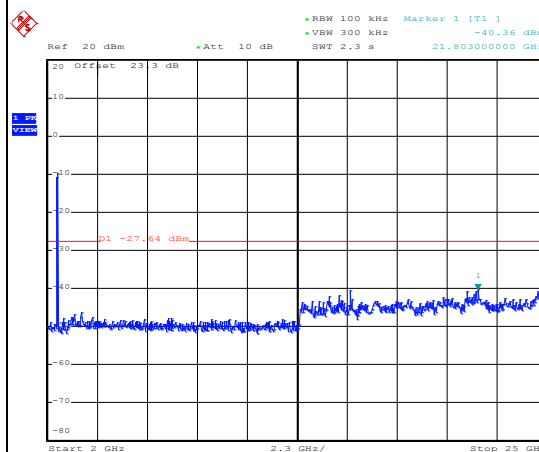
Date: 20.JUL.2016 11:00:05

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:00:18

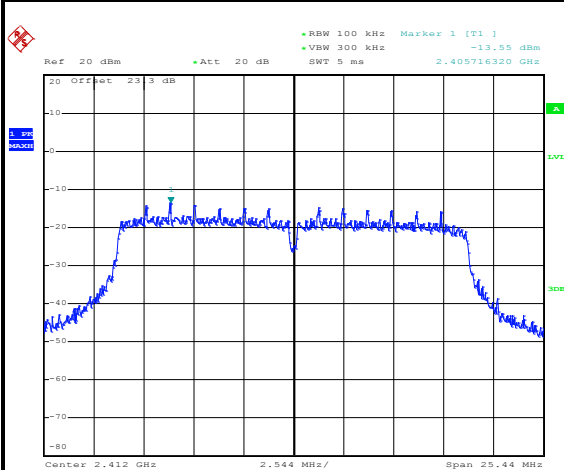
Spurious Emission 2GHz~25GHz



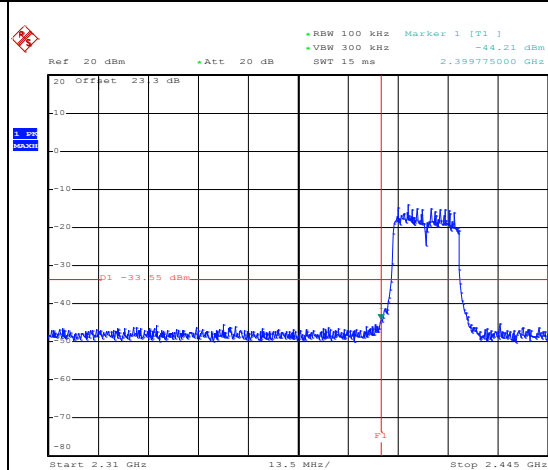
Date: 20.JUL.2016 11:00:26



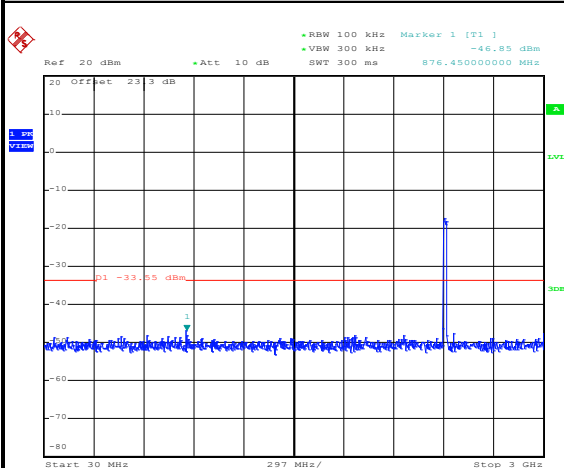
Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT20 Channel 01**100kHz PSD reference Level**

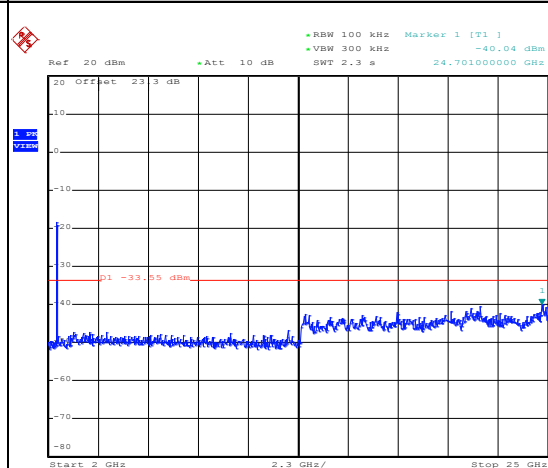
Date: 20.JUL.2016 11:23:34

Low Channel Plot

Date: 20.JUL.2016 11:23:49

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 11:29:08

Spurious Emission 2GHz~25GHz

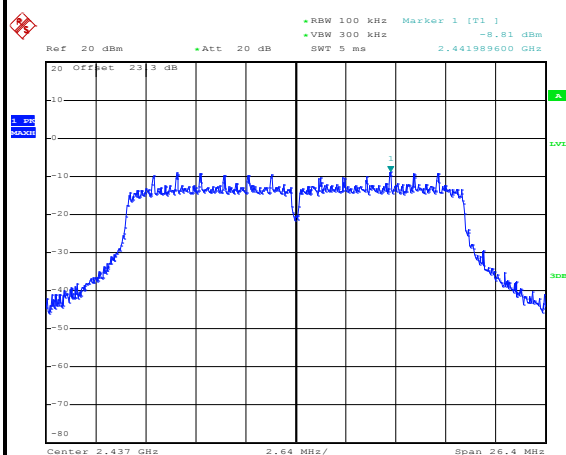
Date: 20.JUL.2016 11:29:16



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

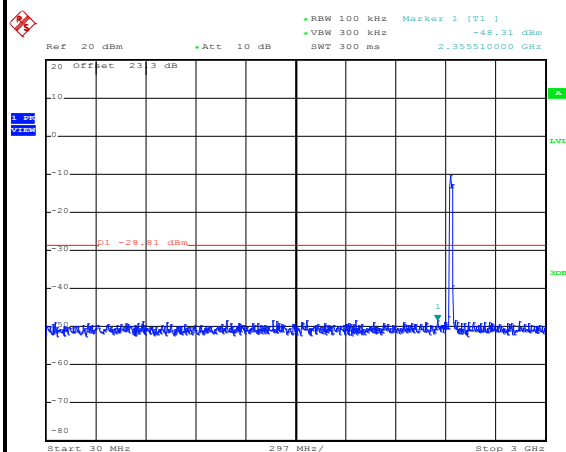
WLAN 802.11ac VHT20 Channel 06

100kHz PSD reference Level



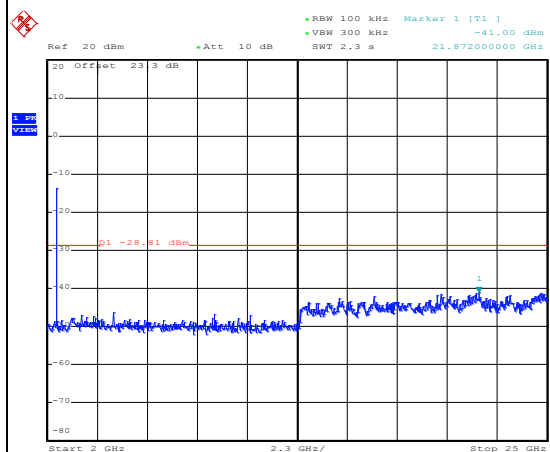
Date: 20.JUL.2016 11:31:14

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:31:25

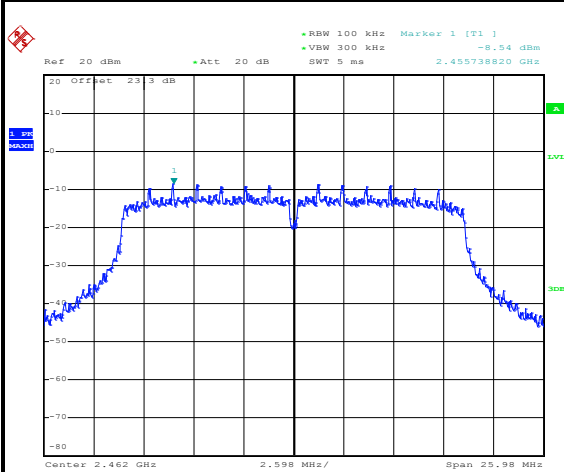
Spurious Emission 2GHz~25GHz



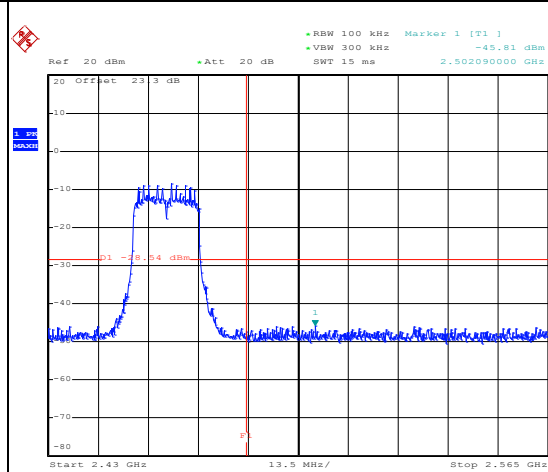
Date: 20.JUL.2016 11:31:34



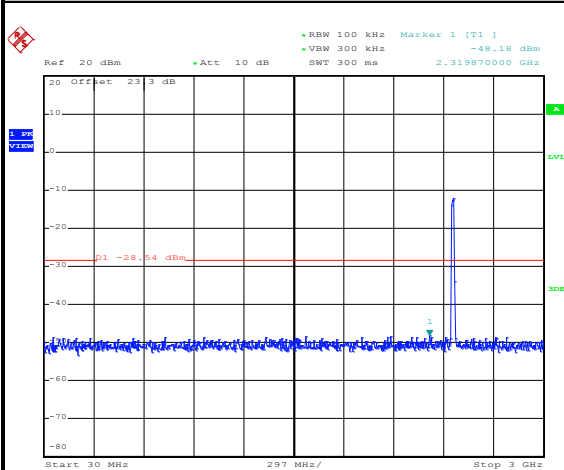
Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT20 Channel 11**100kHz PSD reference Level**

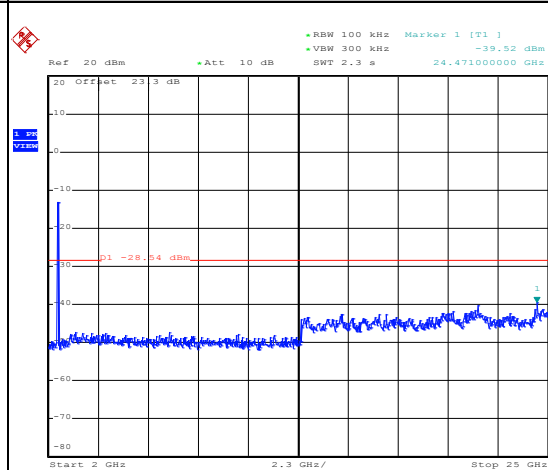
Date: 20.JUL.2016 11:40:39

High Channel Plot

Date: 20.JUL.2016 11:40:53

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 11:41:04

Spurious Emission 2GHz~25GHz

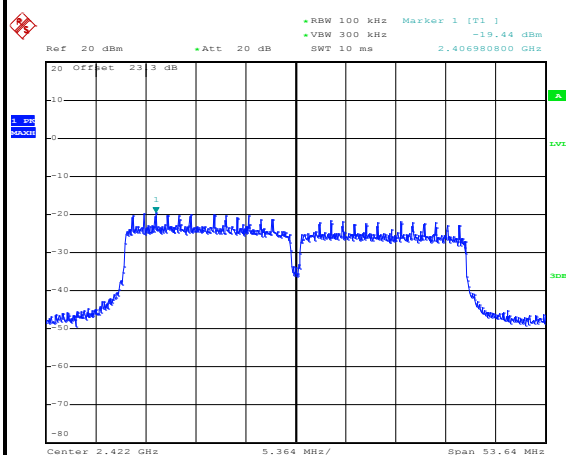
Date: 20.JUL.2016 11:41:13



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

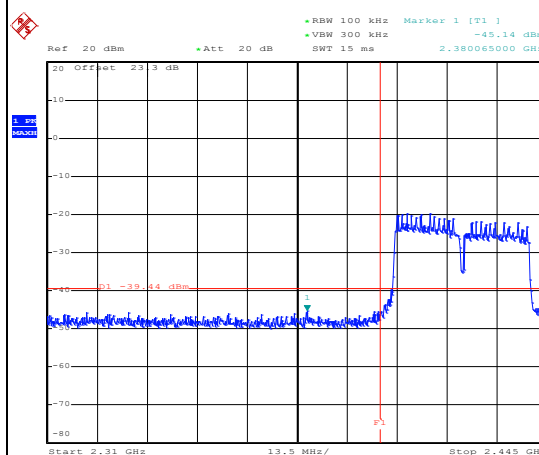
WLAN 802.11ac VHT40 Channel 03

100kHz PSD reference Level



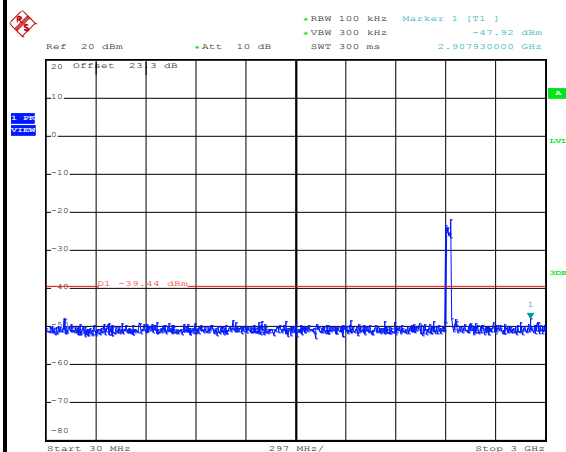
Date: 20.JUL.2016 11:53:43

Low Channel Plot



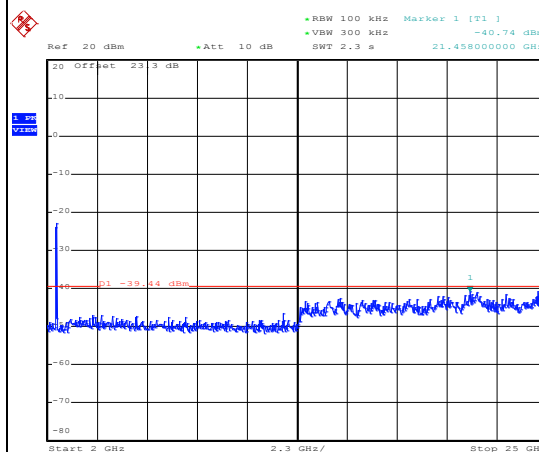
Date: 20.JUL.2016 11:53:59

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:54:38

Spurious Emission 2GHz~25GHz



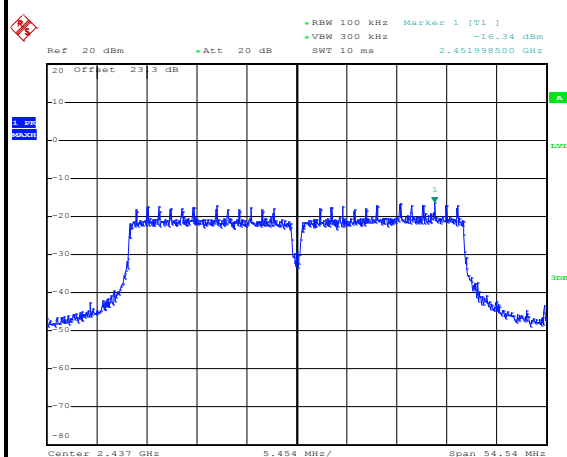
Date: 20.JUL.2016 11:54:46



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

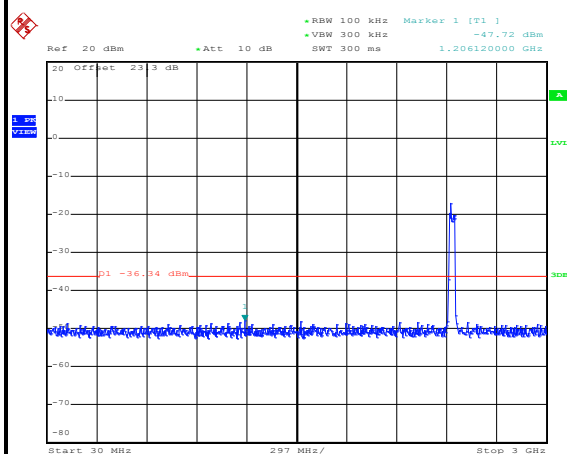
WLAN 802.11ac VHT40 Channel 06

100kHz PSD reference Level



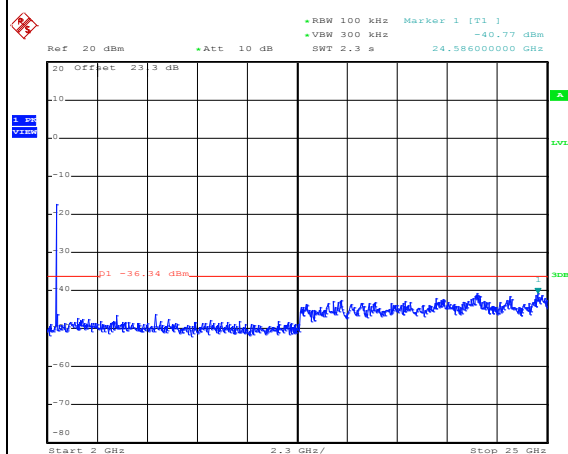
Date: 20.JUL.2016 13:34:40

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 13:34:51

Spurious Emission 2GHz~25GHz



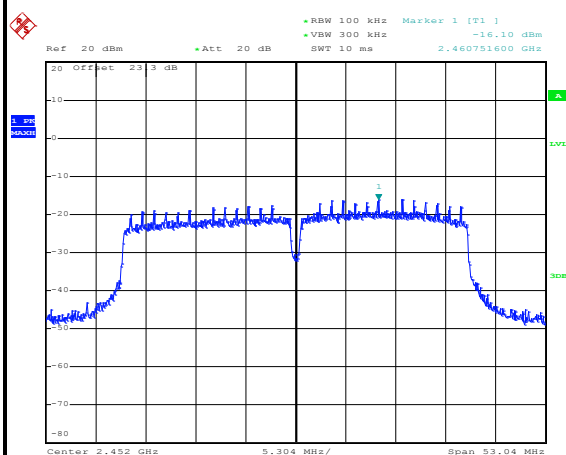
Date: 20.JUL.2016 13:35:00



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

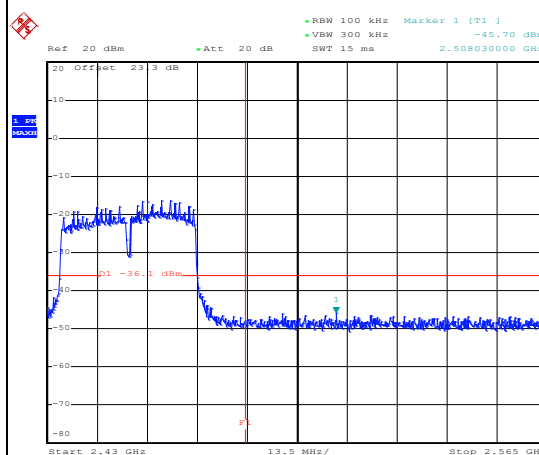
WLAN 802.11ac VHT40 Channel 09

100kHz PSD reference Level



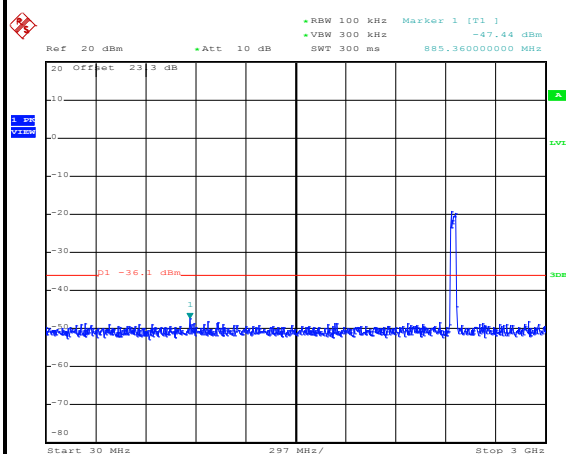
Date: 20.JUL.2016 13:40:59

High Channel Plot



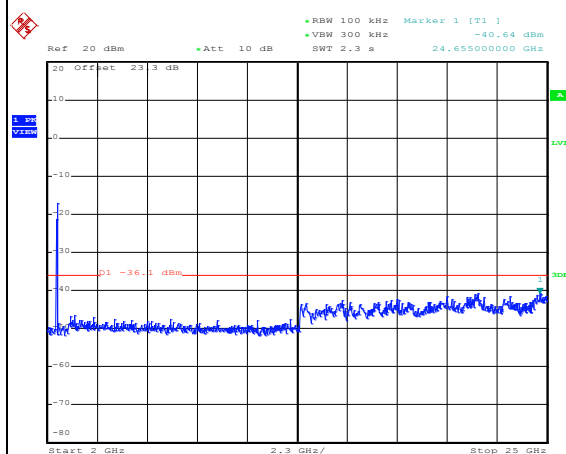
Date: 20.JUL.2016 13:41:13

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 13:41:24

Spurious Emission 2GHz~25GHz



Date: 20.JUL.2016 13:41:33

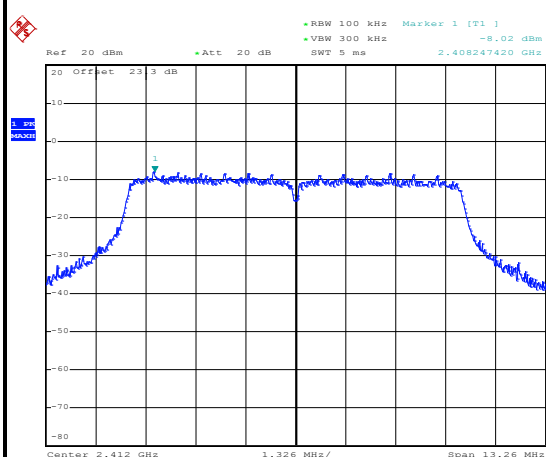


Number of TX = 2, Ant. 2 (Measured)

Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

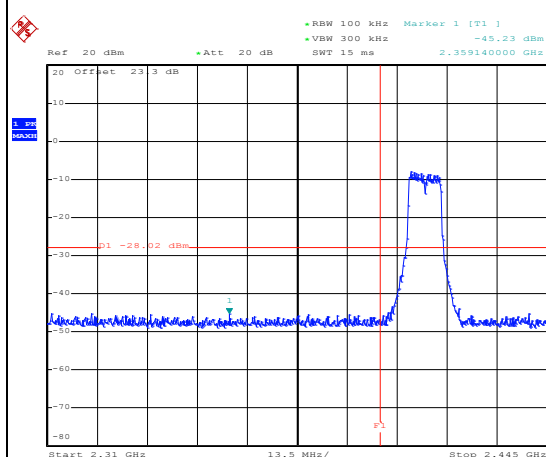
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



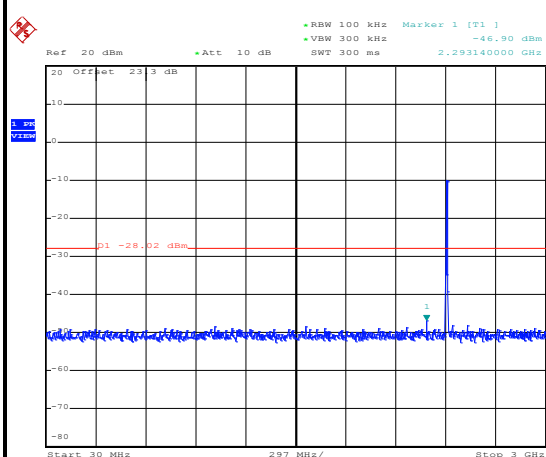
Date: 20.JUL.2016 10:11:44

Low Channel Plot



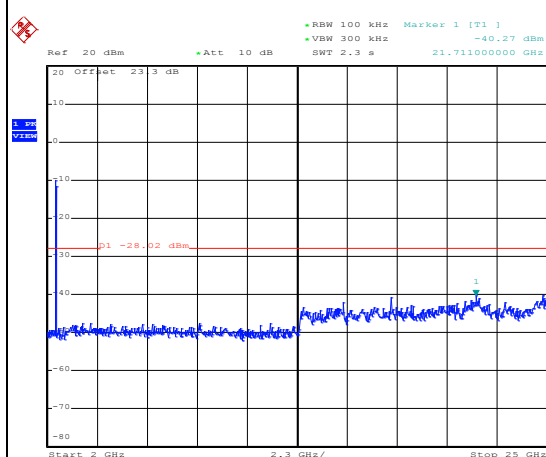
Date: 20.JUL.2016 10:12:25

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 10:12:37

Spurious Emission 2GHz~25GHz



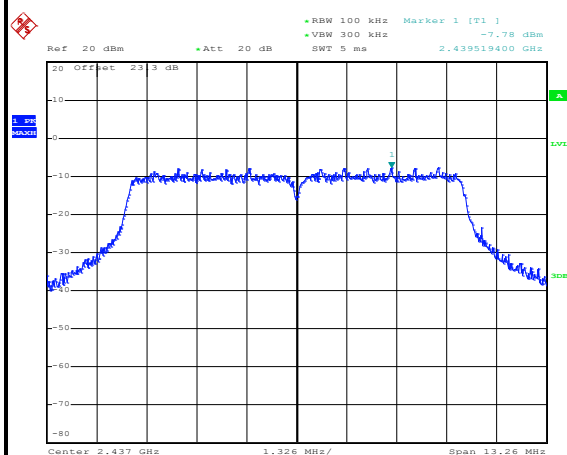
Date: 20.JUL.2016 10:12:45



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

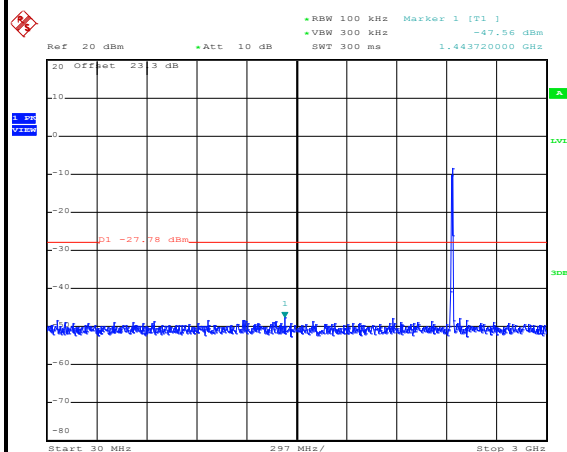
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level



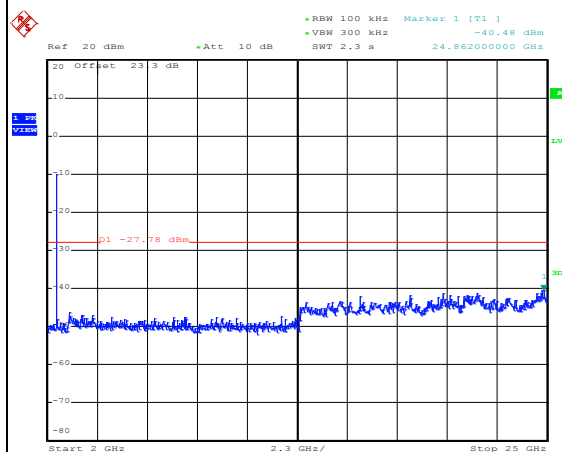
Date: 20.JUL.2016 10:54:03

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 10:54:18

Spurious Emission 2GHz~25GHz



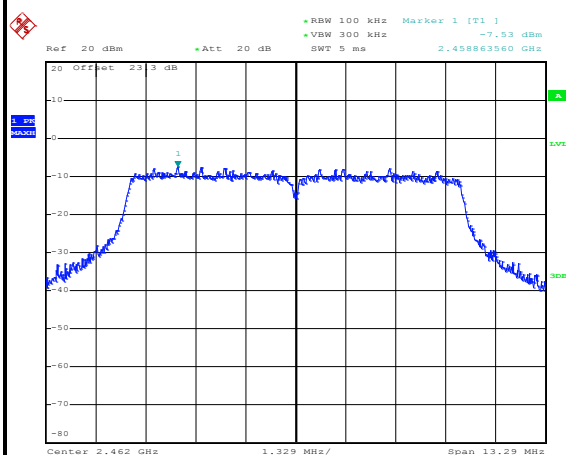
Date: 20.JUL.2016 10:54:27



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

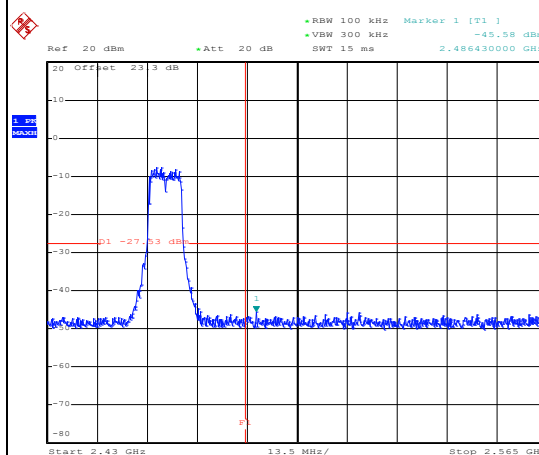
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



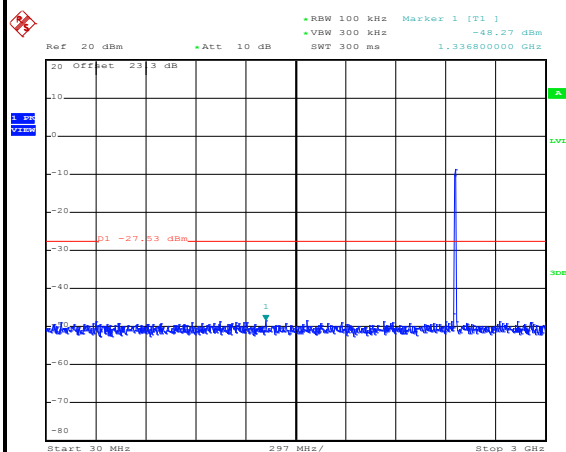
Date: 20.JUL.2016 11:04:40

High Channel Plot



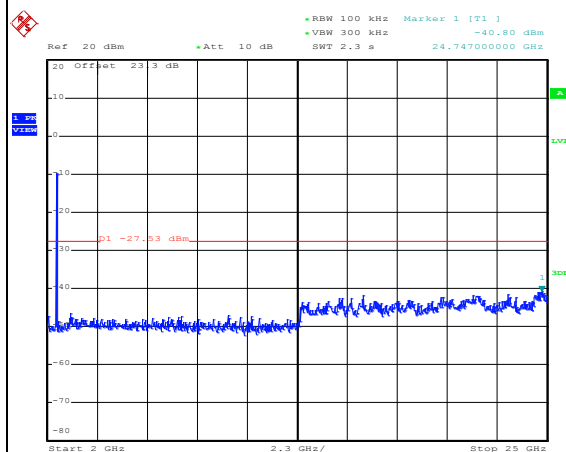
Date: 20.JUL.2016 11:04:55

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:05:07

Spurious Emission 2GHz~25GHz



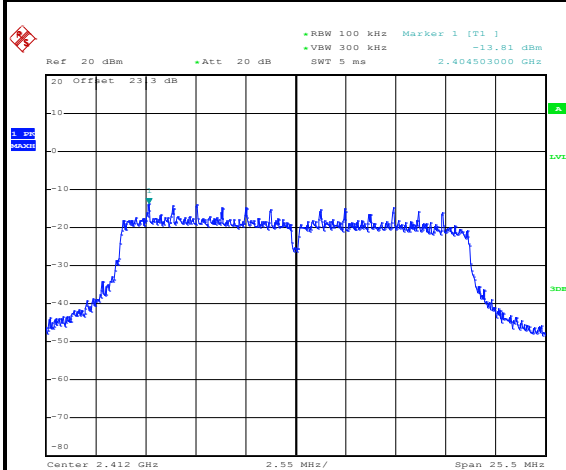
Date: 20.JUL.2016 11:05:15



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

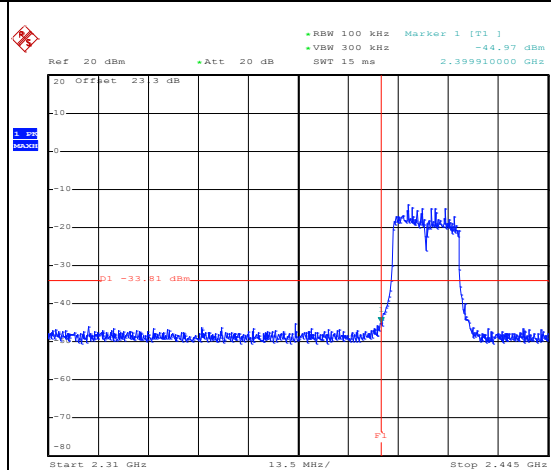
WLAN 802.11ac VHT20 Channel 01

100kHz PSD reference Level



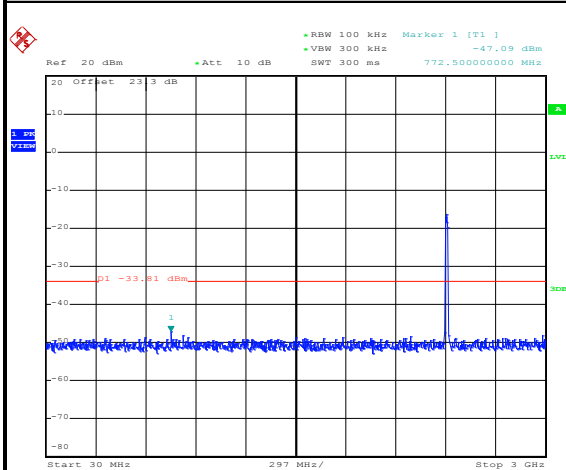
Date: 20.JUL.2016 11:20:20

Low Channel Plot



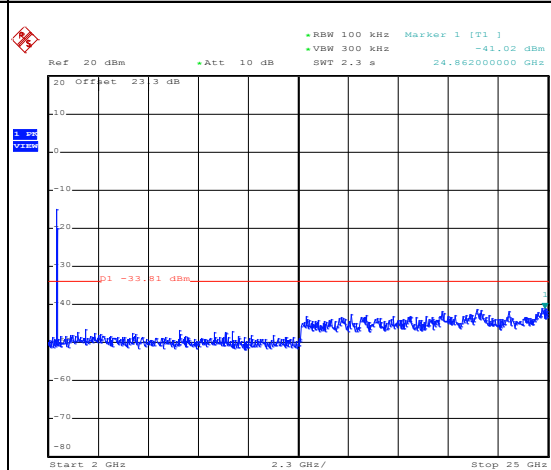
Date: 20.JUL.2016 11:20:51

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:21:02

Spurious Emission 2GHz~25GHz



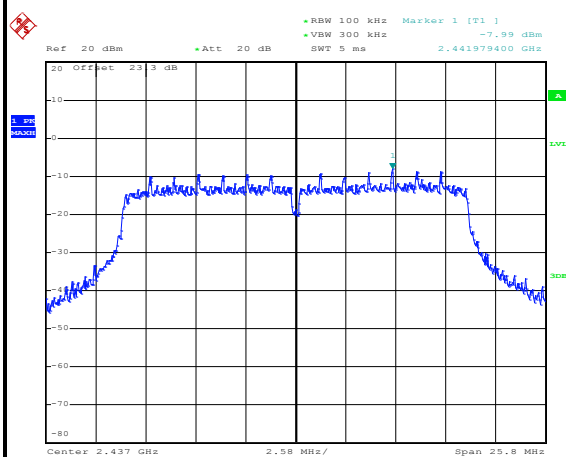
Date: 20.JUL.2016 11:21:11



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

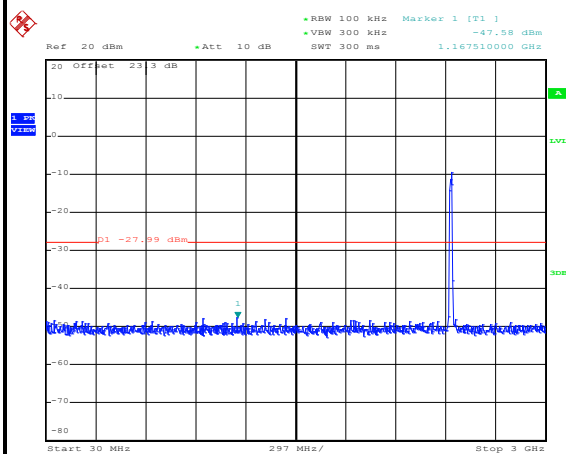
WLAN 802.11ac VHT20 Channel 06

100kHz PSD reference Level



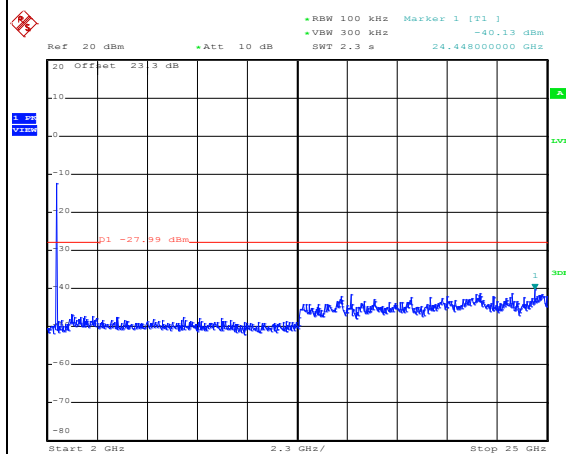
Date: 20.JUL.2016 11:33:42

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:35:10

Spurious Emission 2GHz~25GHz



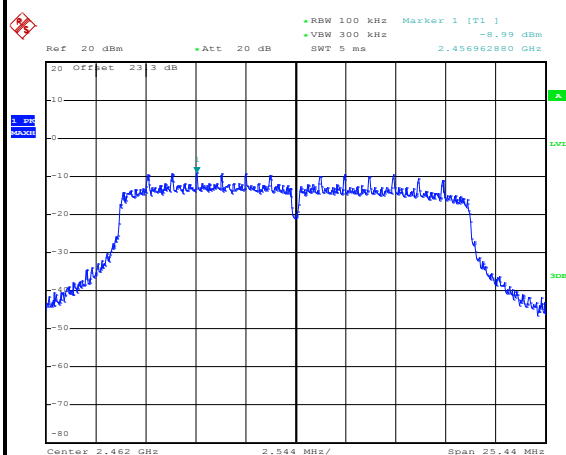
Date: 20.JUL.2016 11:35:18



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

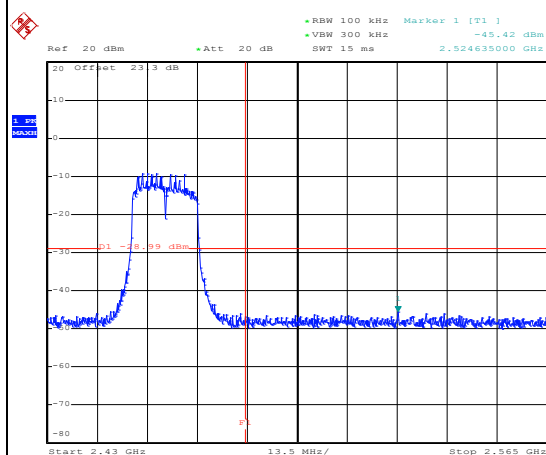
WLAN 802.11ac VHT20 Channel 11

100kHz PSD reference Level



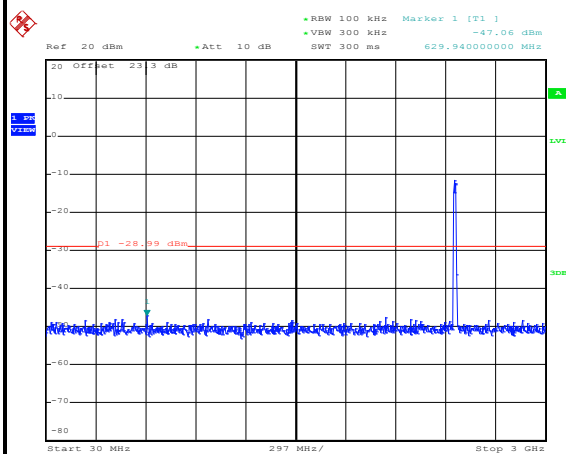
Date: 20.JUL.2016 11:37:38

High Channel Plot



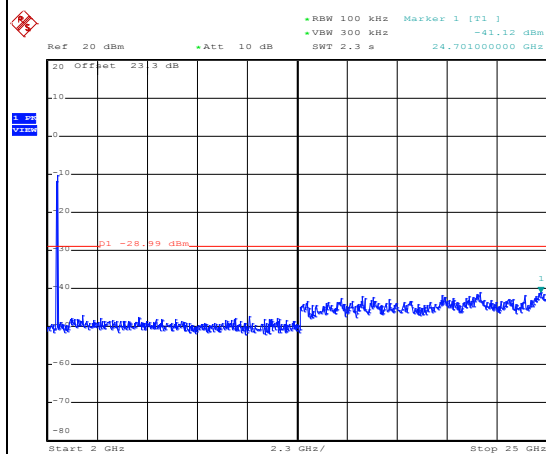
Date: 20.JUL.2016 11:37:55

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:38:06

Spurious Emission 2GHz~25GHz



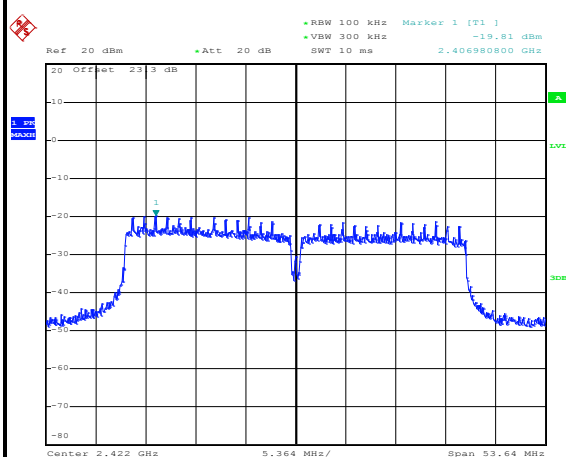
Date: 20.JUL.2016 11:38:15



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

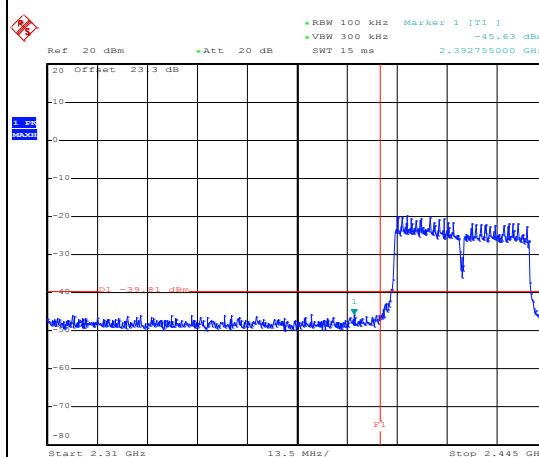
WLAN 802.11ac VHT40 Channel 03

100kHz PSD reference Level



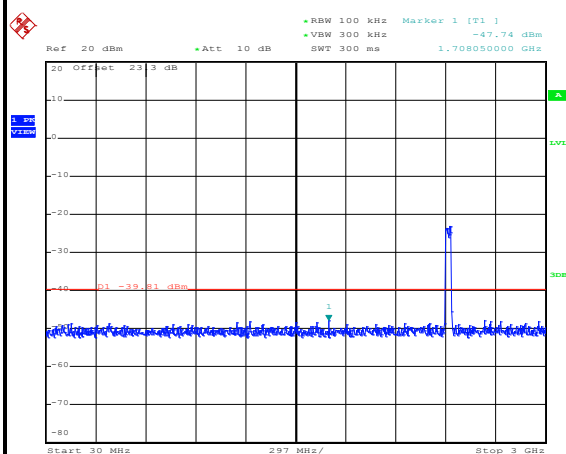
Date: 20.JUL.2016 11:56:40

Low Channel Plot



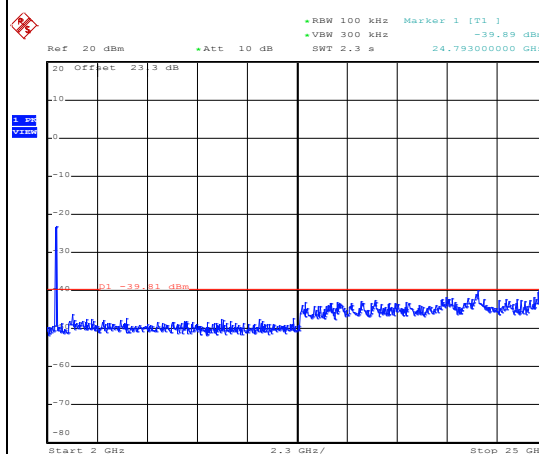
Date: 20.JUL.2016 11:56:58

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:57:10

Spurious Emission 2GHz~25GHz



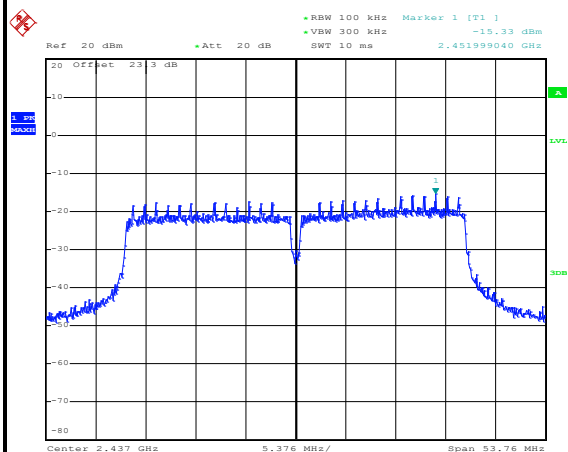
Date: 20.JUL.2016 11:57:18



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

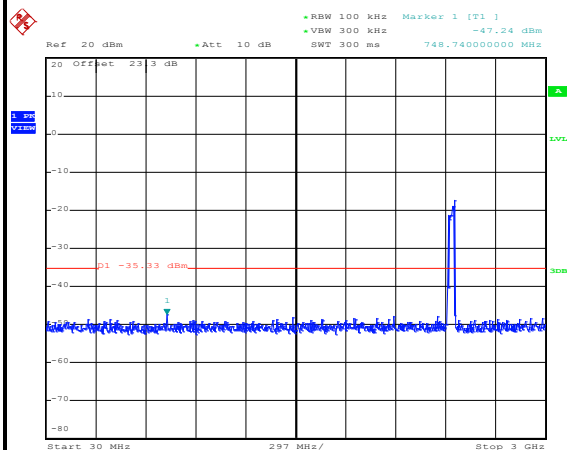
WLAN 802.11ac VHT40 Channel 06

100kHz PSD reference Level



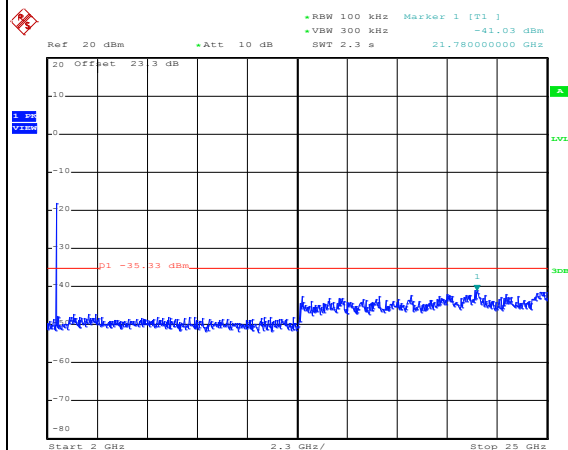
Date: 20.JUL.2016 12:03:32

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 13:36:12

Spurious Emission 2GHz~25GHz



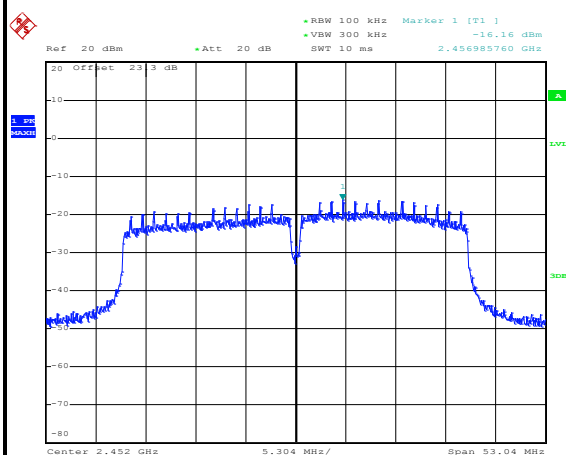
Date: 20.JUL.2016 13:36:21



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

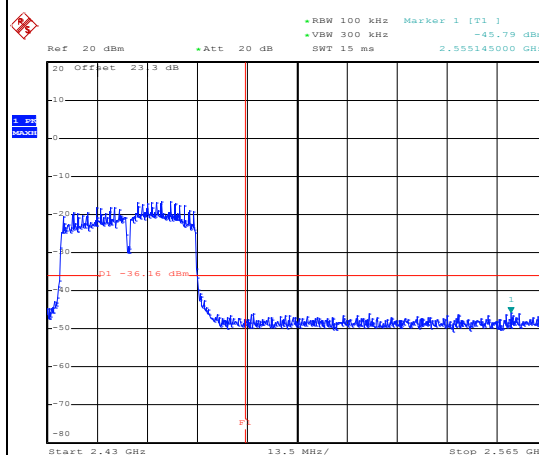
WLAN 802.11ac VHT40 Channel 09

100kHz PSD reference Level



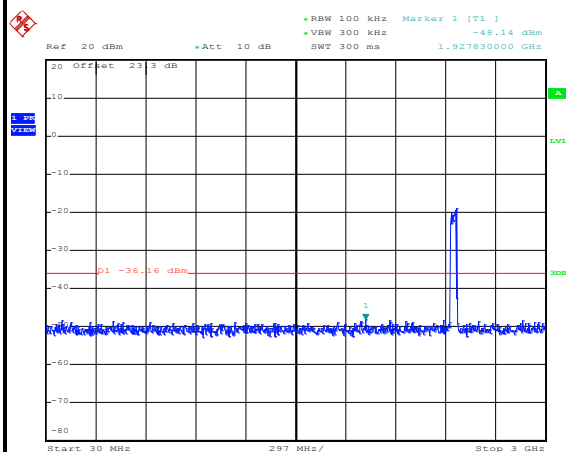
Date: 20.JUL.2016 13:38:25

High Channel Plot



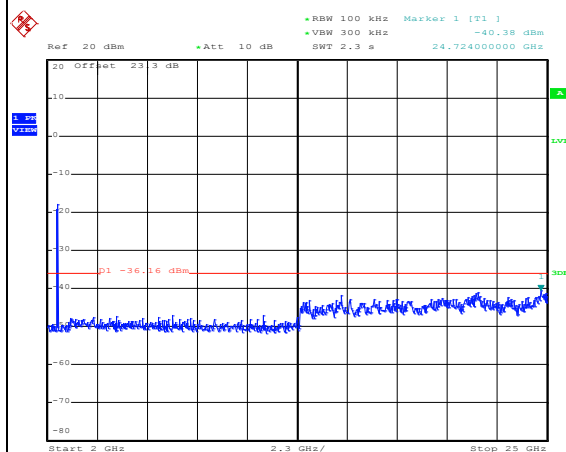
Date: 20.JUL.2016 13:38:38

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 13:38:49

Spurious Emission 2GHz~25GHz



Date: 20.JUL.2016 13:38:58

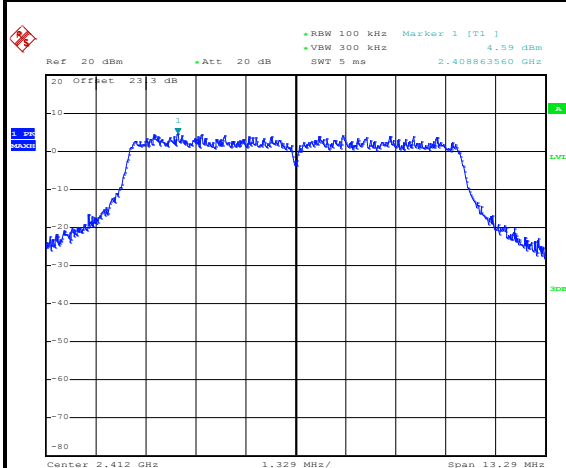


<Ant. Type 3>

Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

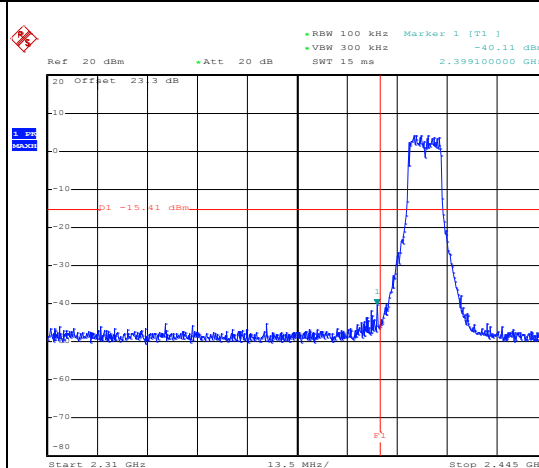
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



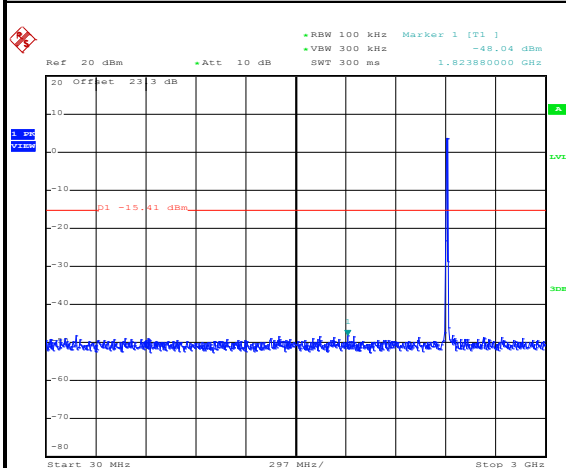
Date: 20.JUL.2016 16:41:26

Low Channel Plot



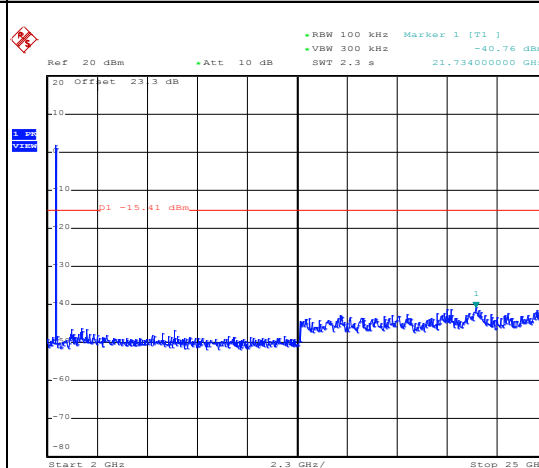
Date: 20.JUL.2016 16:41:38

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 16:41:49

Spurious Emission 2GHz~25GHz



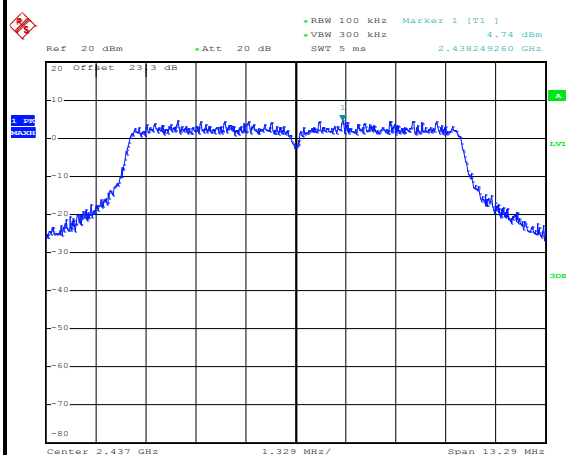
Date: 20.JUL.2016 16:41:58



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

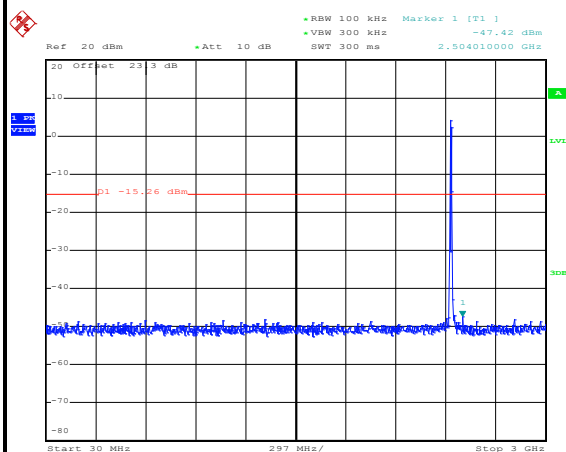
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level



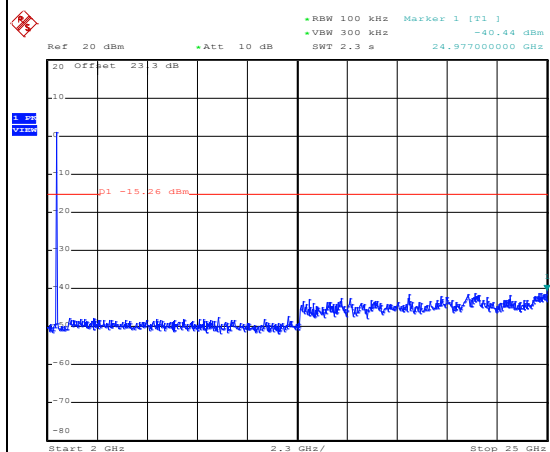
Date: 20.JUL.2016 16:44:50

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 16:45:01

Spurious Emission 2GHz~25GHz

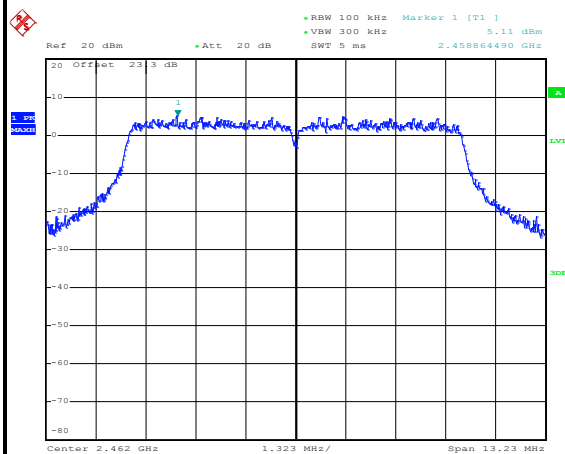


Date: 20.JUL.2016 16:45:10

Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25℃
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

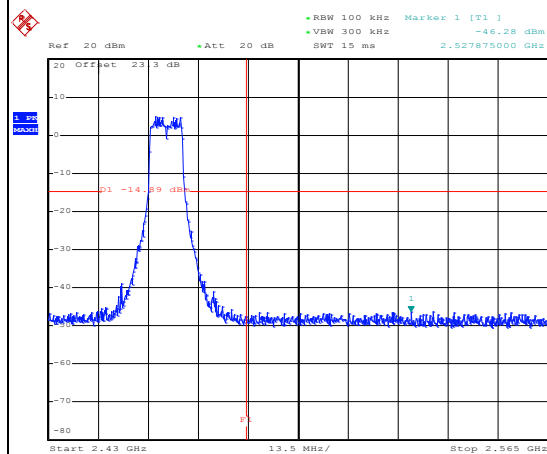
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



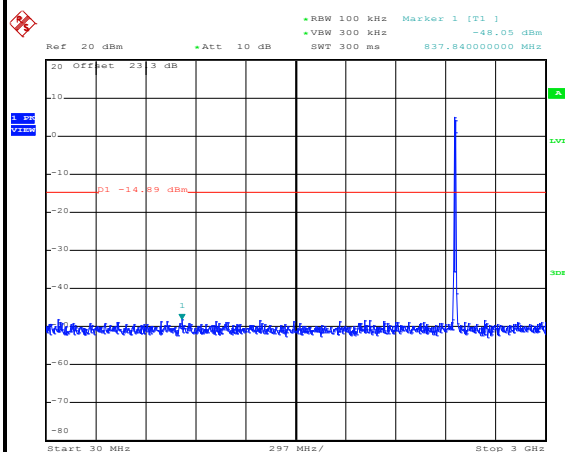
Date: 20.JUL.2016 16:51:34

High Channel Plot



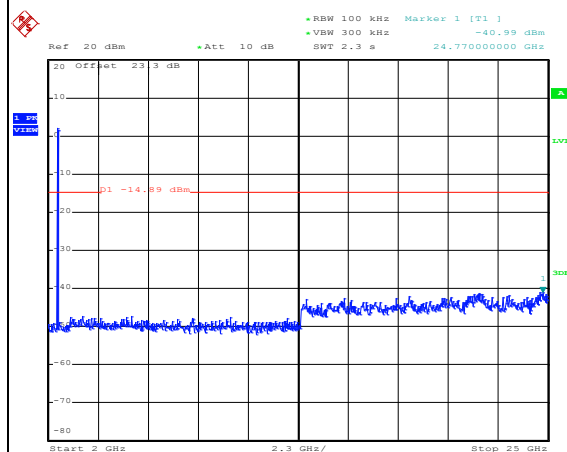
Date: 20.JUL.2016 16:51:45

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 16:51:56

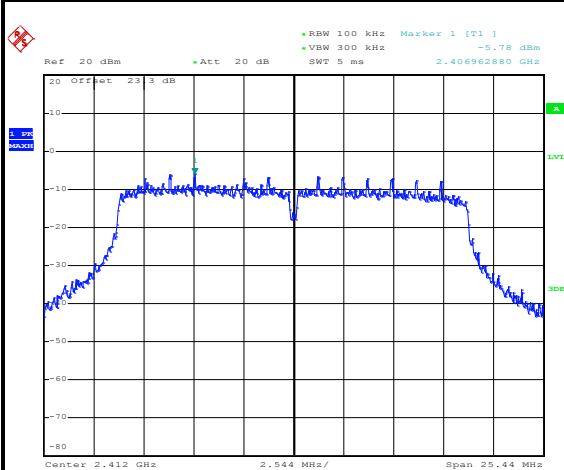
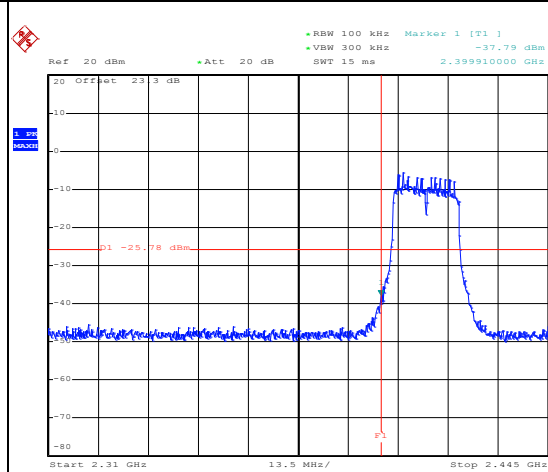
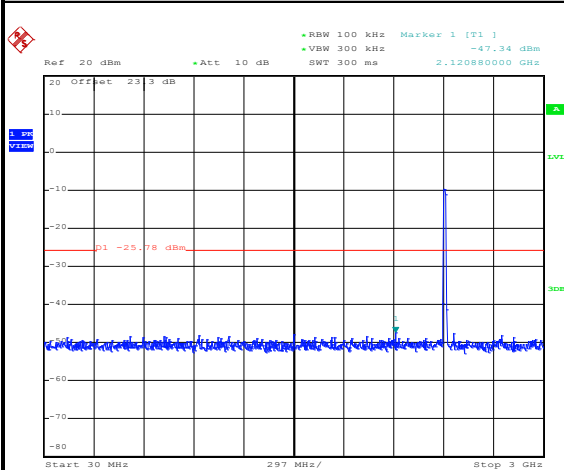
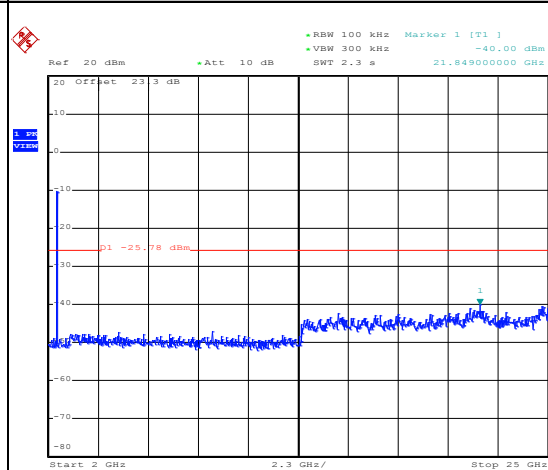
Spurious Emission 2GHz~25GHz



Date: 20.JUL.2016 16:52:05



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

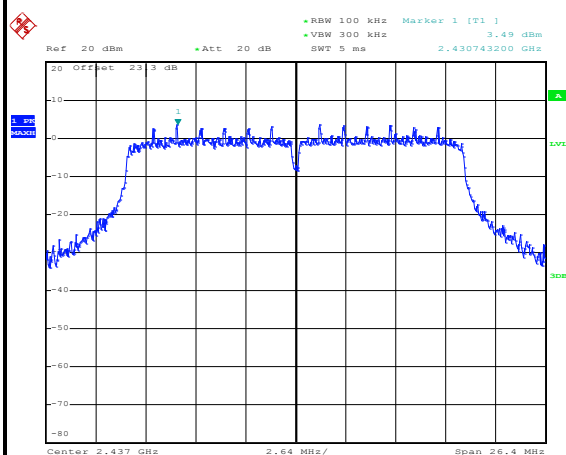
WLAN 802.11ac VHT20 Channel 01**100kHz PSD reference Level****Low Channel Plot****Spurious Emission 30MHz~3GHz****Spurious Emission 2GHz~25GHz**



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

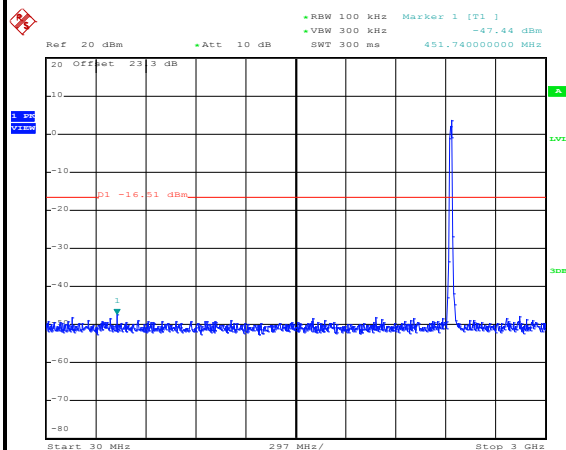
WLAN 802.11ac VHT20 Channel 06

100kHz PSD reference Level



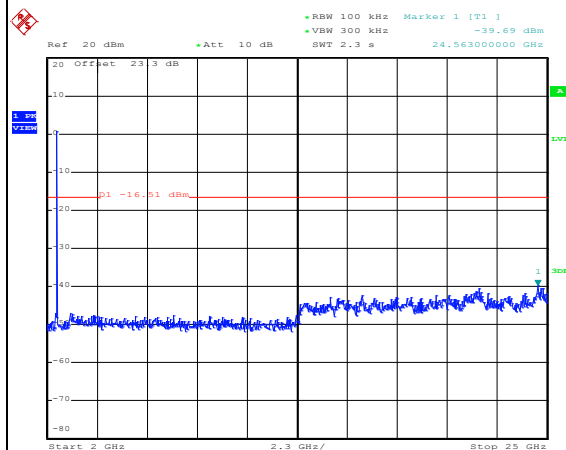
Date: 20.JUL.2016 17:03:16

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 17:03:27

Spurious Emission 2GHz~25GHz



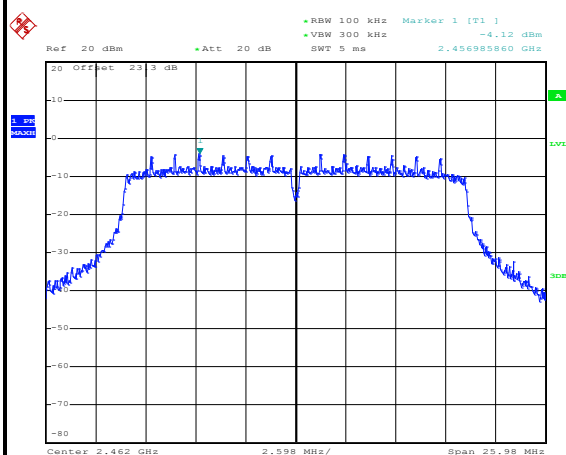
Date: 20.JUL.2016 17:03:36



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

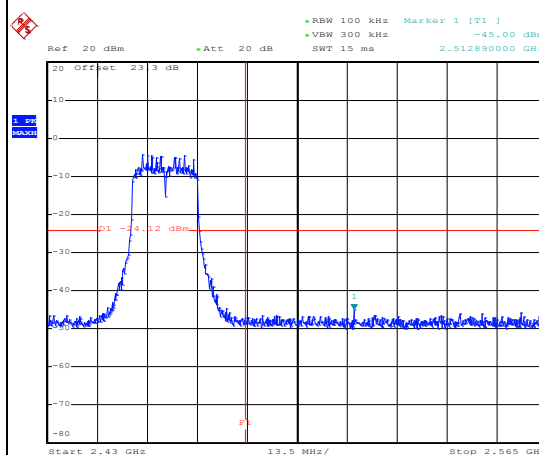
WLAN 802.11ac VHT20 Channel 11

100kHz PSD reference Level



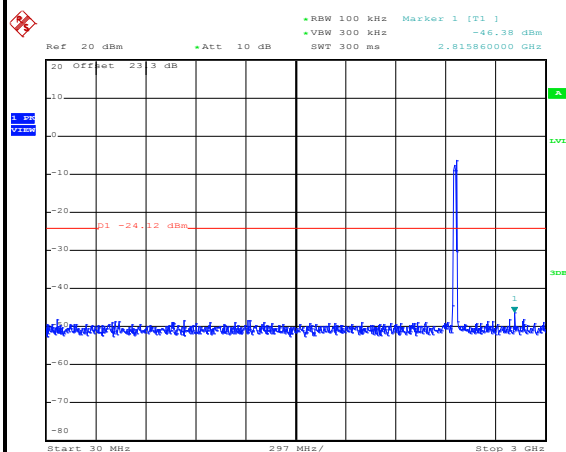
Date: 20.JUL.2016 17:05:39

High Channel Plot



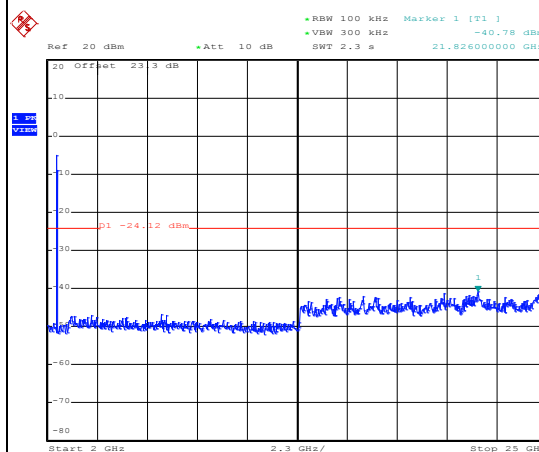
Date: 20.JUL.2016 17:05:54

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 17:06:05

Spurious Emission 2GHz~25GHz



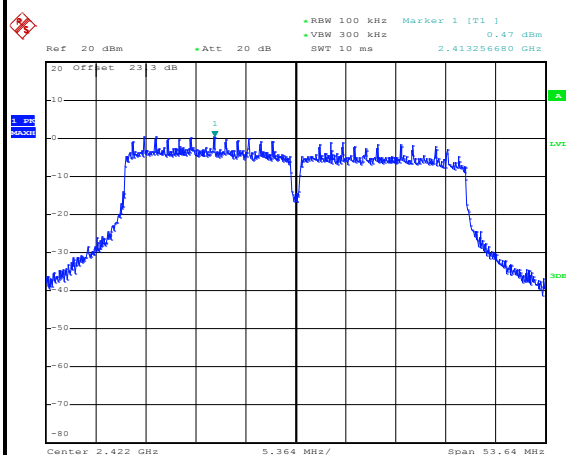
Date: 20.JUL.2016 17:06:14



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

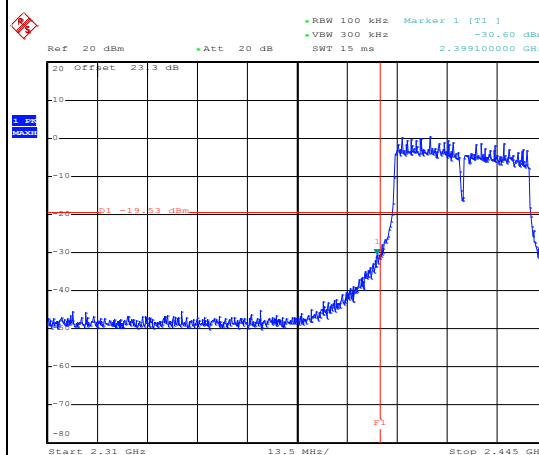
WLAN 802.11ac VHT40 Channel 03

100kHz PSD reference Level



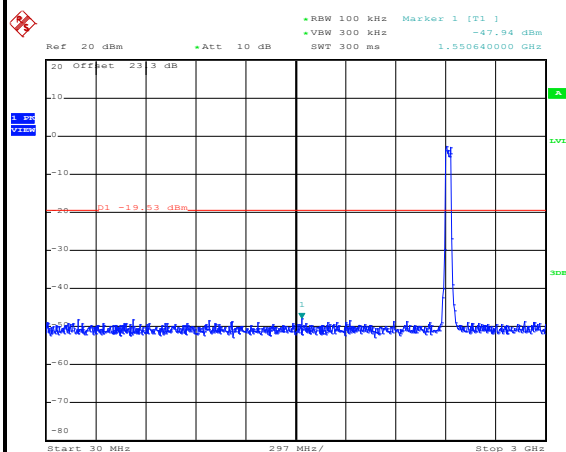
Date: 20.JUL.2016 17:13:03

Low Channel Plot



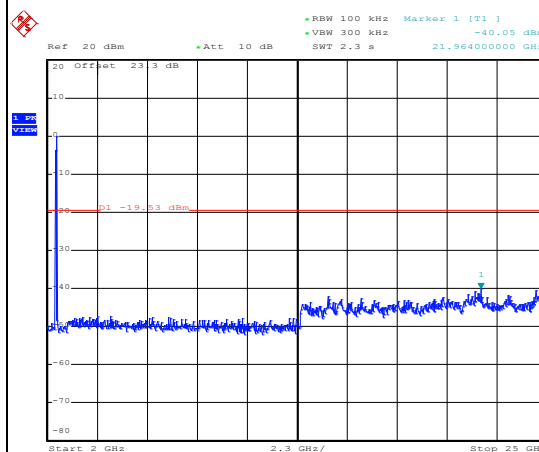
Date: 20.JUL.2016 17:13:16

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 17:13:27

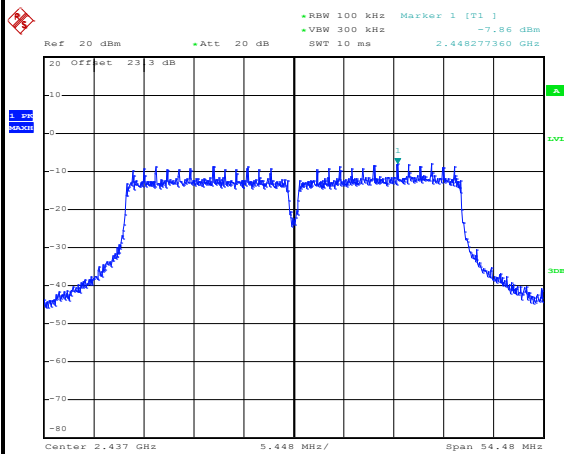
Spurious Emission 2GHz~25GHz



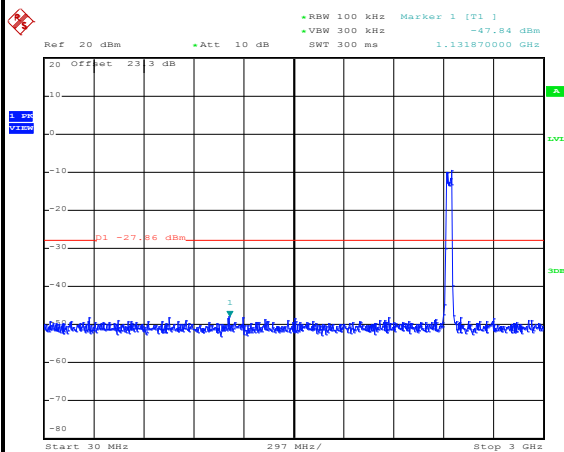
Date: 20.JUL.2016 17:13:35



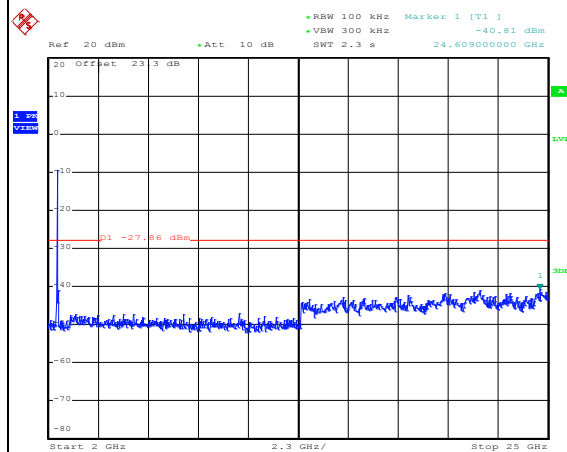
Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT40 Channel 06**100kHz PSD reference Level**

Date: 20.JUL.2016 17:15:47

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 17:16:23

Spurious Emission 2GHz~25GHz

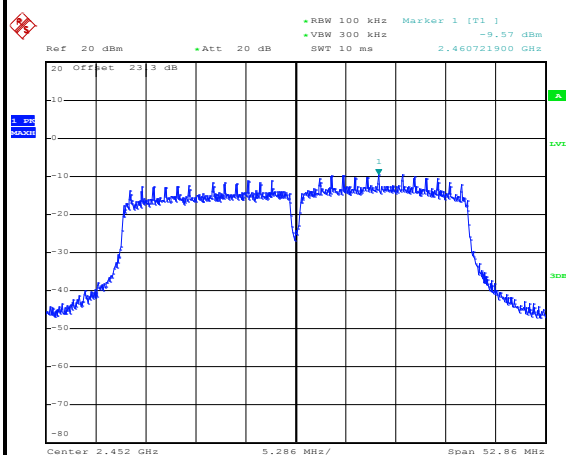
Date: 20.JUL.2016 17:16:07



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

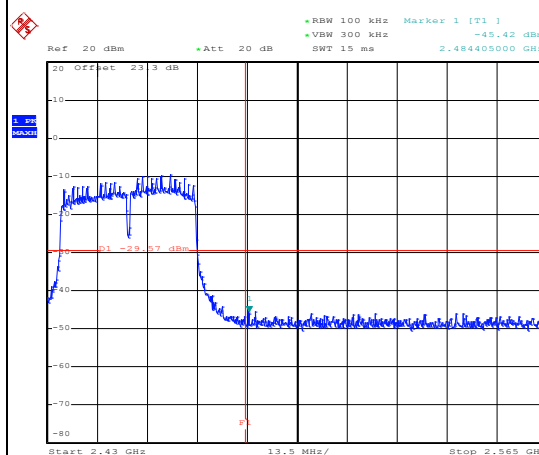
WLAN 802.11ac VHT40 Channel 09

100kHz PSD reference Level



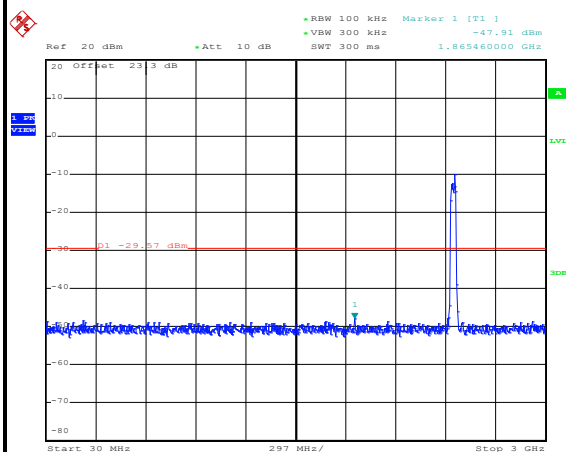
Date: 20.JUL.2016 17:26:46

High Channel Plot



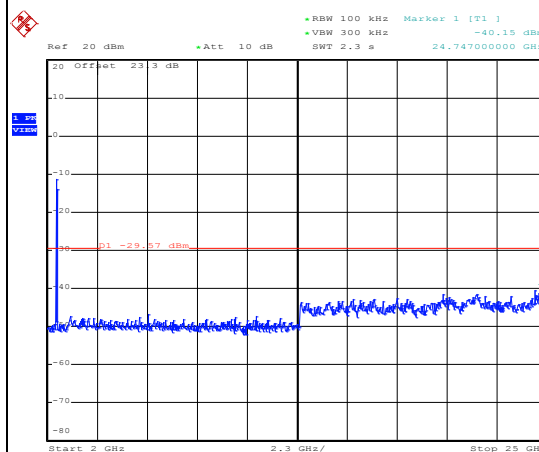
Date: 20.JUL.2016 17:27:01

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 17:27:14

Spurious Emission 2GHz~25GHz



Date: 20.JUL.2016 17:27:22

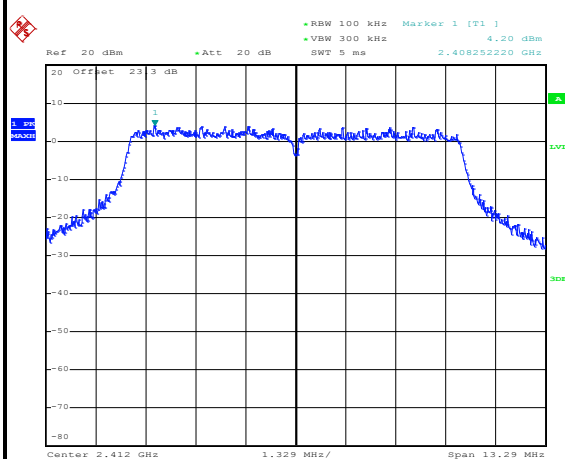


Number of TX = 2, Ant. 2 (Measured)

Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

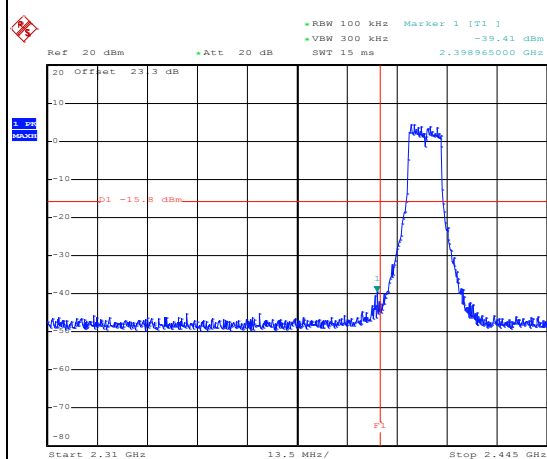
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



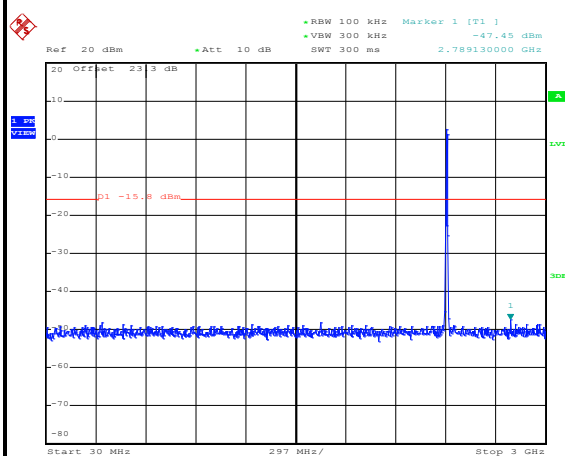
Date: 20.JUL.2016 16:38:16

Low Channel Plot



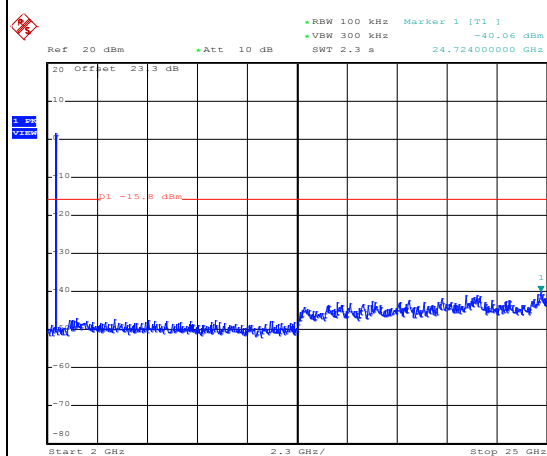
Date: 20.JUL.2016 16:38:35

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 16:38:46

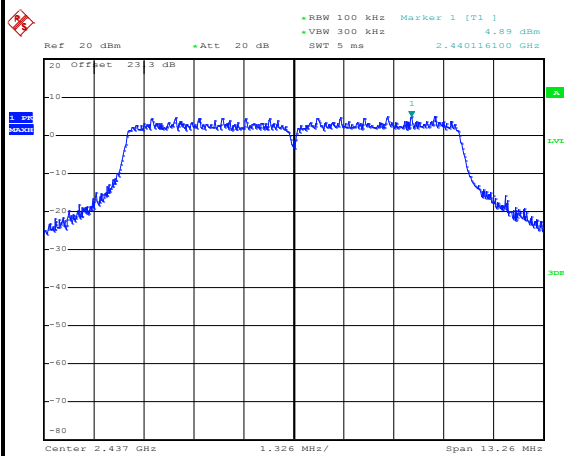
Spurious Emission 2GHz~25GHz



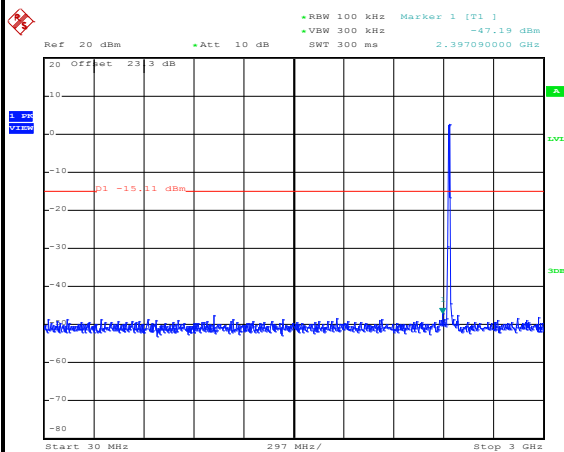
Date: 20.JUL.2016 16:38:54



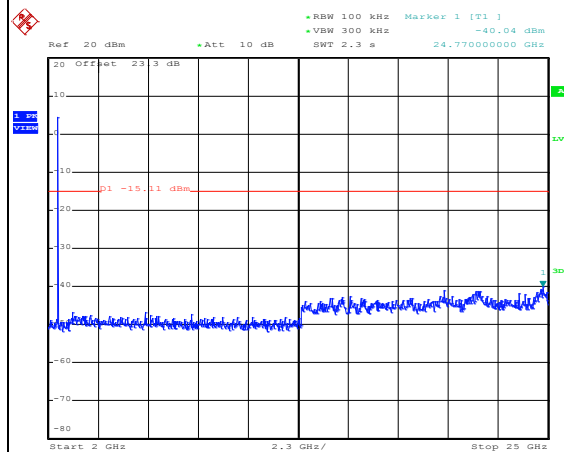
Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

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

Date: 20.JUL.2016 16:46:30

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 16:46:41

Spurious Emission 2GHz~25GHz

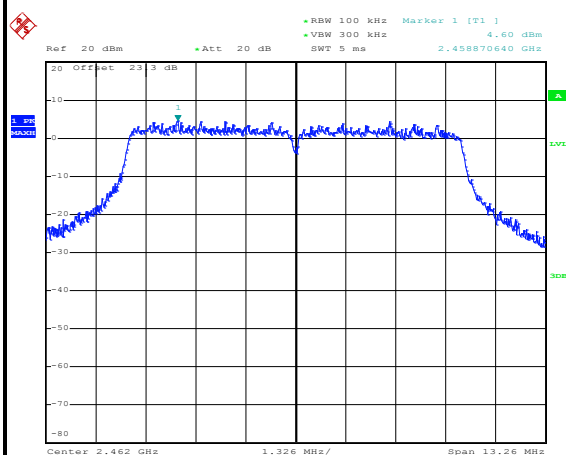
Date: 20.JUL.2016 16:46:49



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

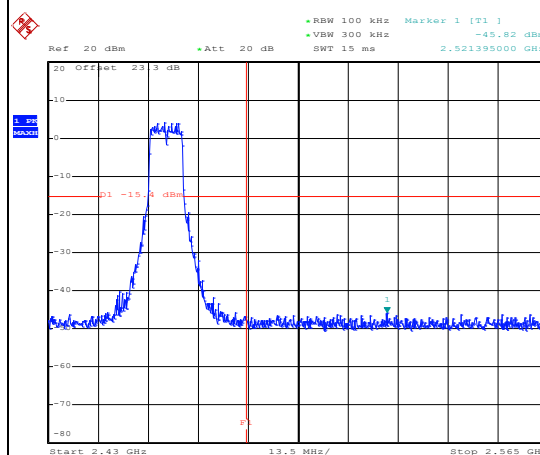
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



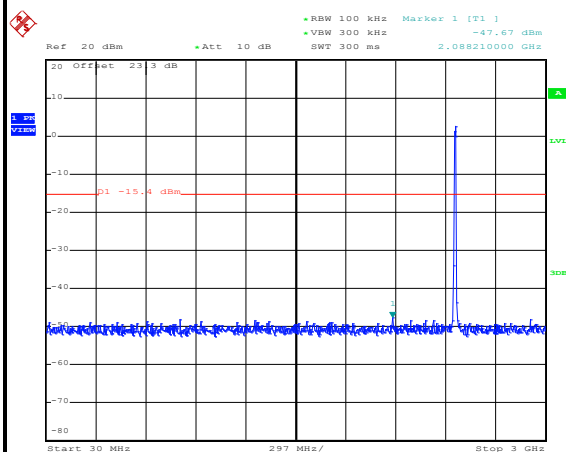
Date: 20.JUL.2016 16:49:55

High Channel Plot



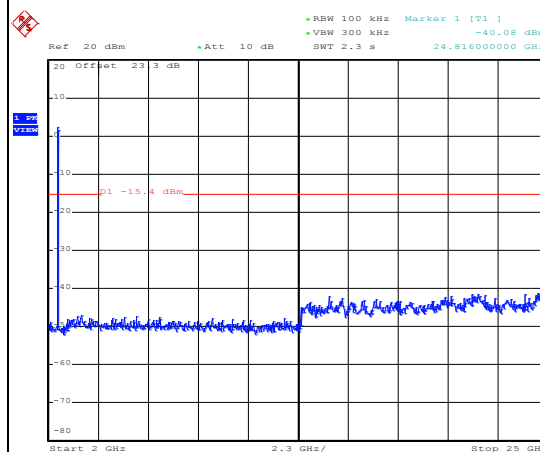
Date: 20.JUL.2016 16:50:07

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 16:50:18

Spurious Emission 2GHz~25GHz



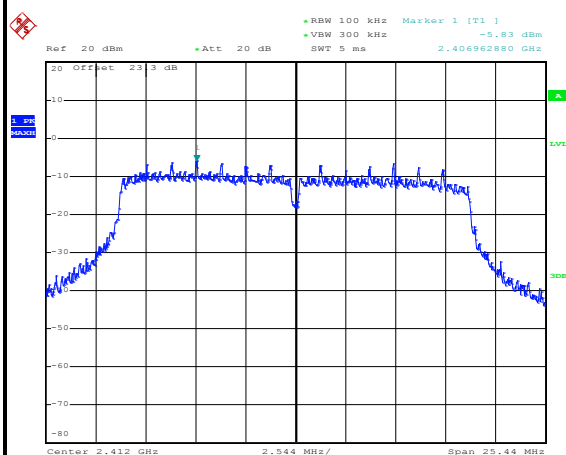
Date: 20.JUL.2016 16:50:27



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

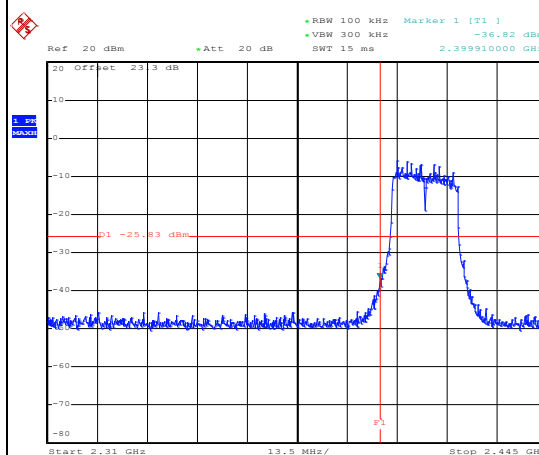
WLAN 802.11ac VHT20 Channel 01

100kHz PSD reference Level



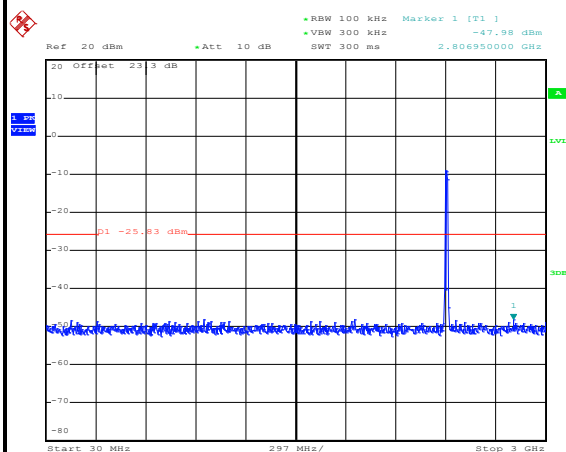
Date: 20.JUL.2016 16:55:30

Low Channel Plot



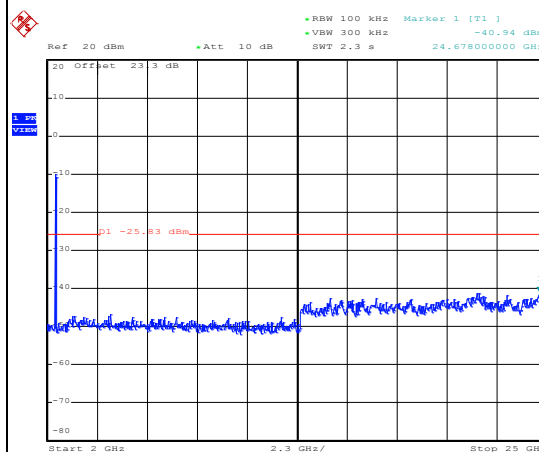
Date: 20.JUL.2016 16:55:43

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 16:55:54

Spurious Emission 2GHz~25GHz



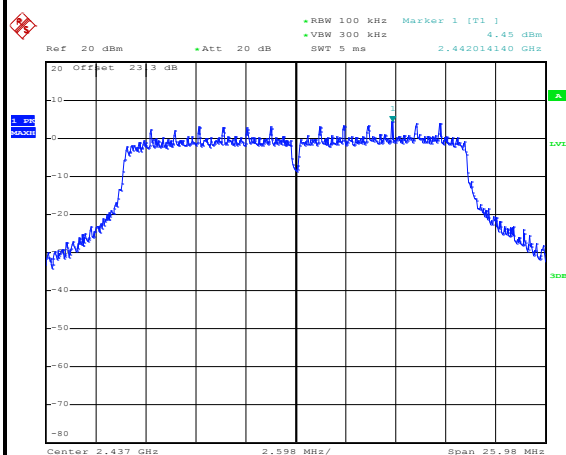
Date: 20.JUL.2016 16:56:02



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

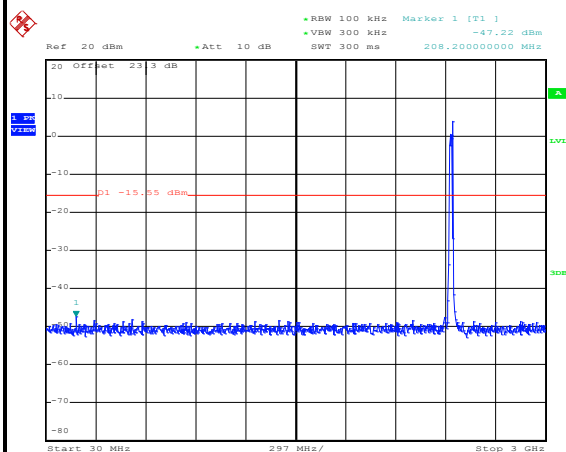
WLAN 802.11ac VHT20 Channel 06

100kHz PSD reference Level



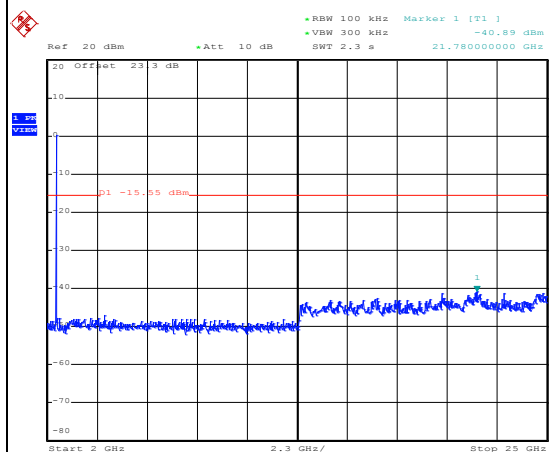
Date: 20.JUL.2016 17:01:36

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 17:01:47

Spurious Emission 2GHz~25GHz



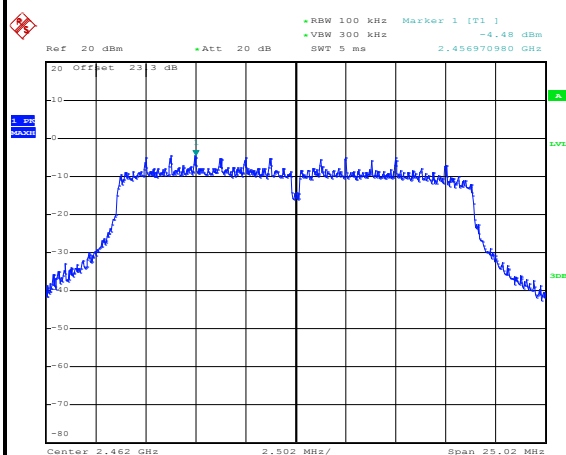
Date: 20.JUL.2016 17:01:56



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

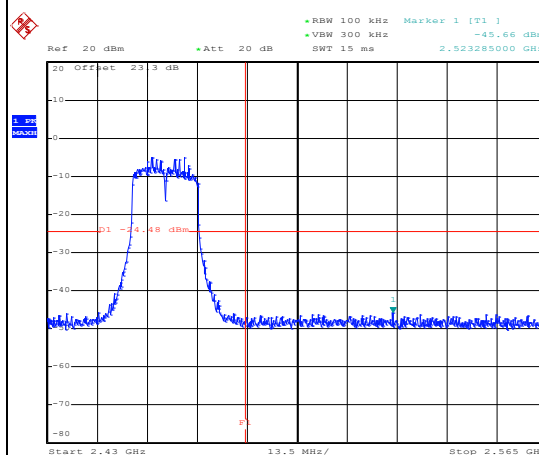
WLAN 802.11ac VHT20 Channel 11

100kHz PSD reference Level



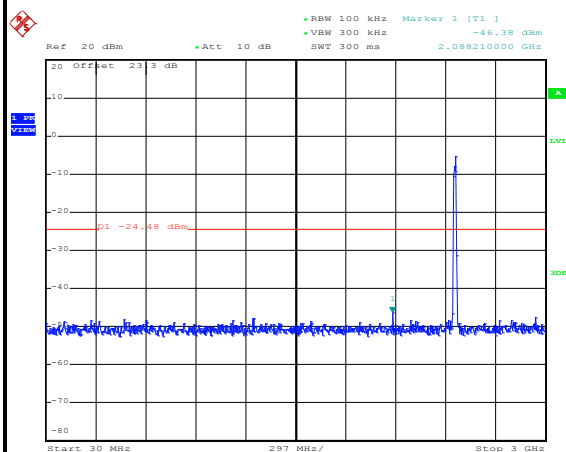
Date: 20.JUL.2016 17:07:55

High Channel Plot



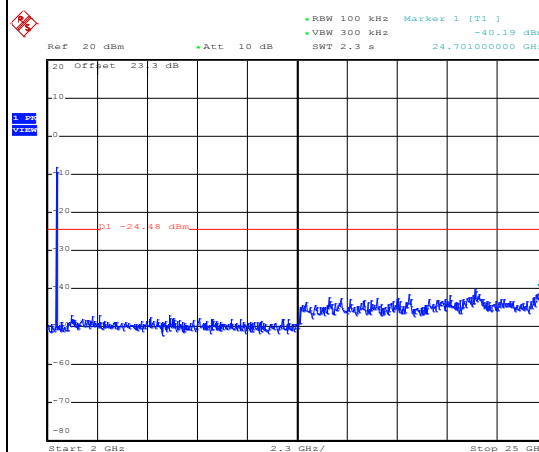
Date: 20.JUL.2016 17:08:09

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 17:08:21

Spurious Emission 2GHz~25GHz



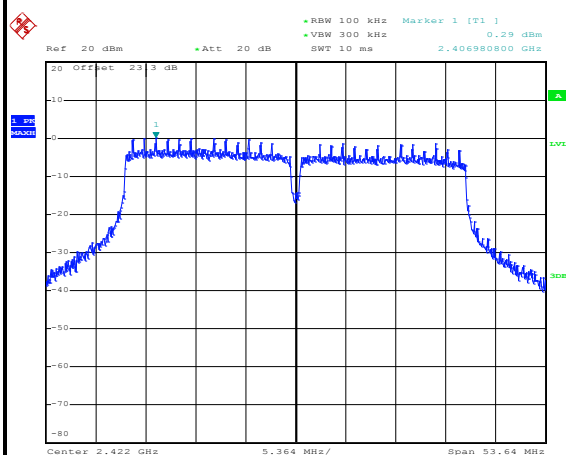
Date: 20.JUL.2016 17:08:29



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

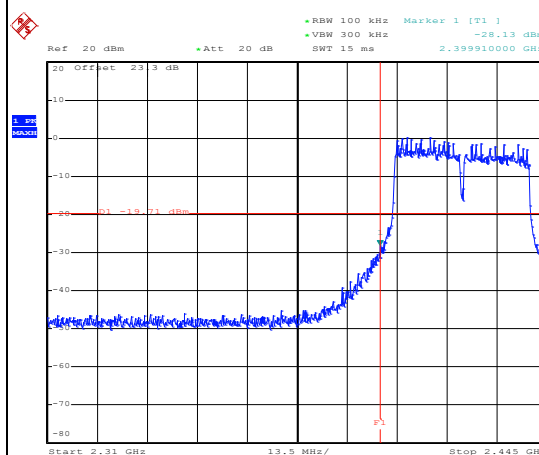
WLAN 802.11ac VHT40 Channel 03

100kHz PSD reference Level



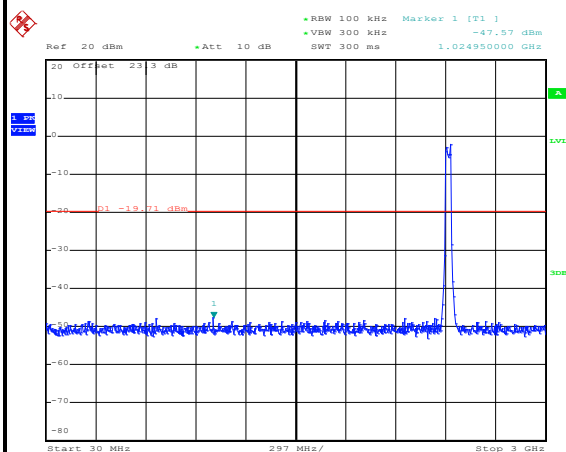
Date: 20.JUL.2016 17:11:02

Low Channel Plot



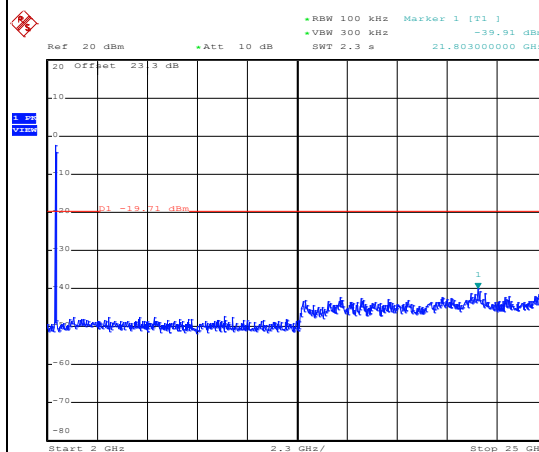
Date: 20.JUL.2016 17:11:15

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 17:11:27

Spurious Emission 2GHz~25GHz



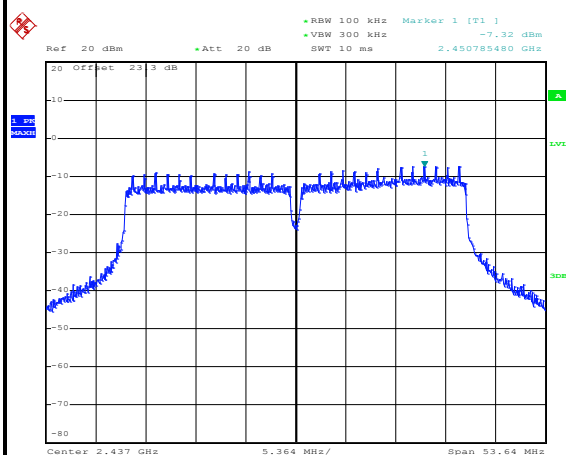
Date: 20.JUL.2016 17:11:35



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

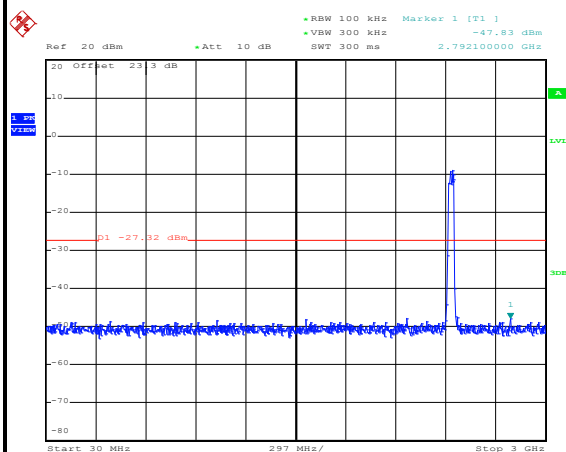
WLAN 802.11ac VHT40 Channel 06

100kHz PSD reference Level



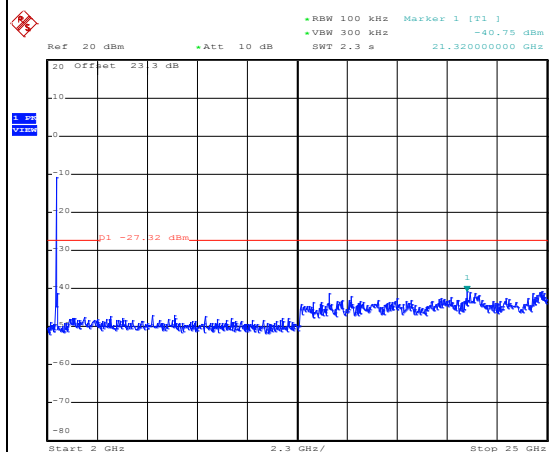
Date: 20.JUL.2016 17:18:35

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 17:19:12

Spurious Emission 2GHz~25GHz



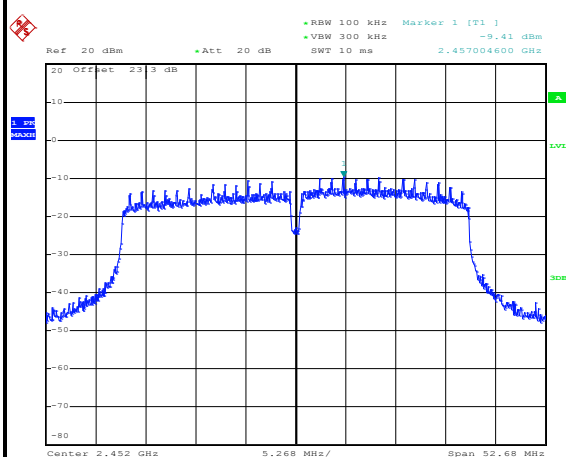
Date: 20.JUL.2016 17:18:55



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

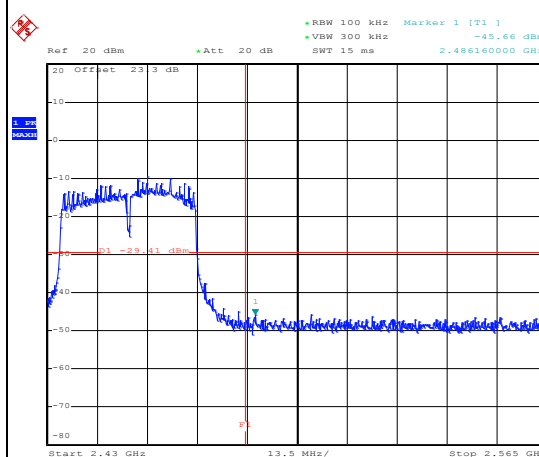
WLAN 802.11ac VHT40 Channel 09

100kHz PSD reference Level



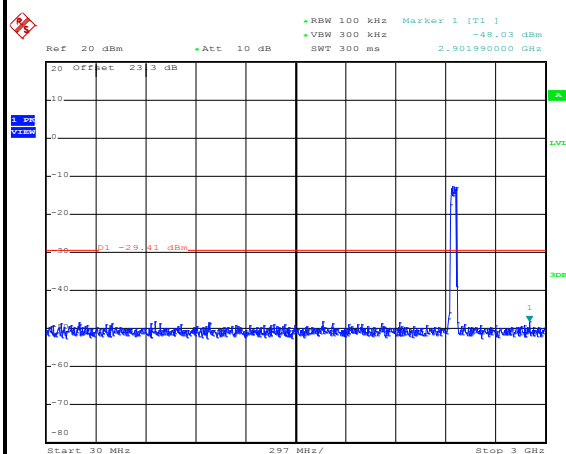
Date: 20.JUL.2016 17:23:48

High Channel Plot



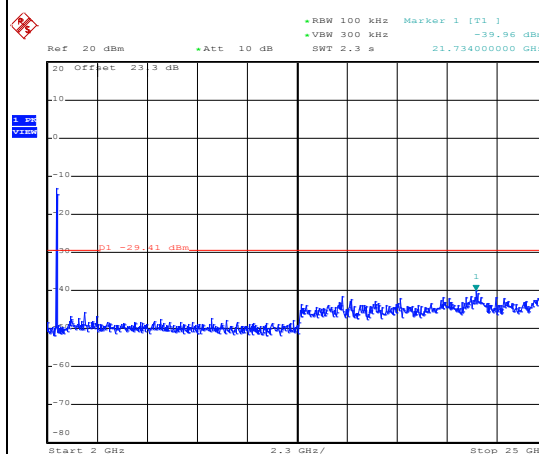
Date: 20.JUL.2016 17:24:00

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 17:24:12

Spurious Emission 2GHz~25GHz



Date: 20.JUL.2016 17:24:20



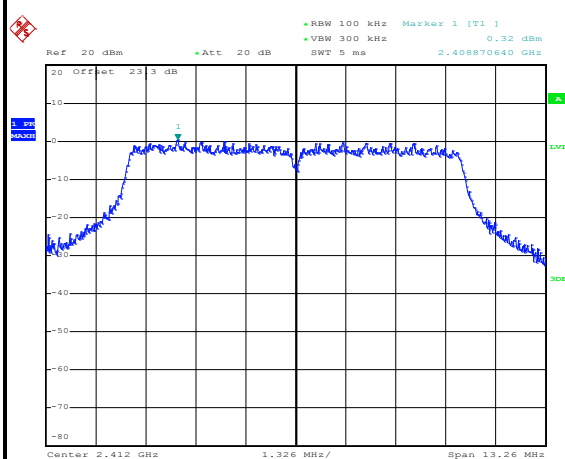
<PTMP Mode>

<Antenna 1> Number of TX = 2, Ant. 1 (Measured)

Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

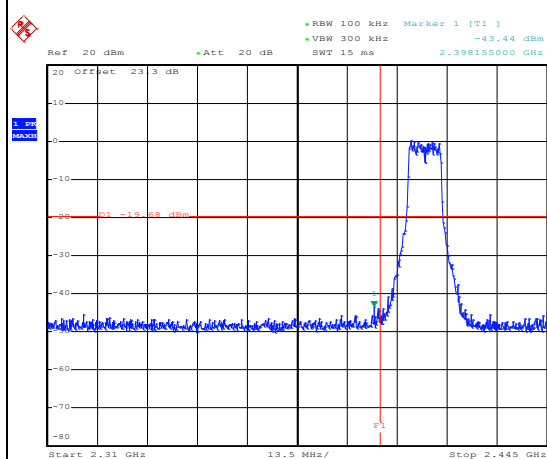
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



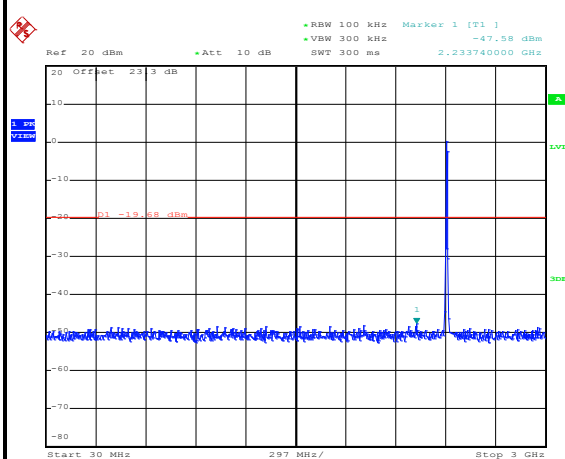
Date: 20.JUL.2016 15:11:48

Low Channel Plot



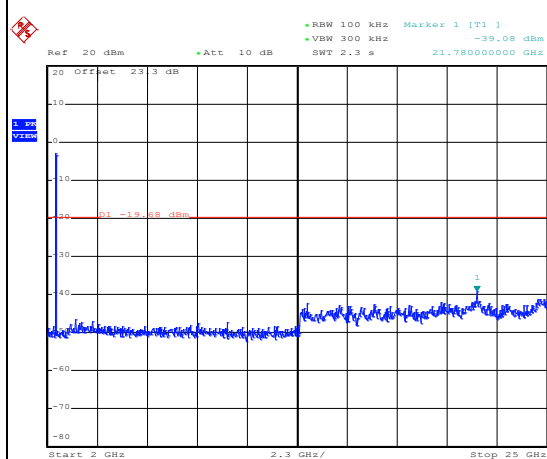
Date: 20.JUL.2016 15:12:02

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:12:13

Spurious Emission 2GHz~25GHz



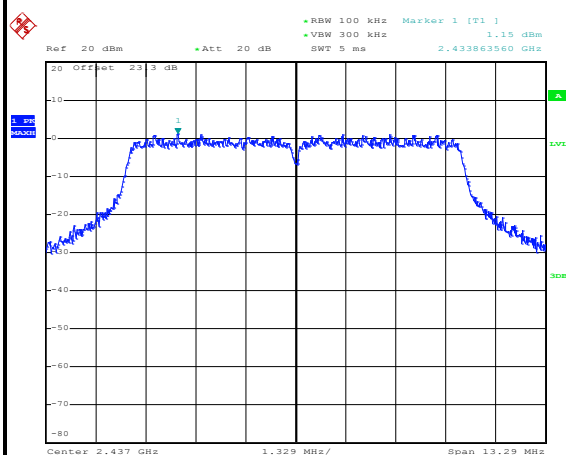
Date: 20.JUL.2016 15:12:22



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

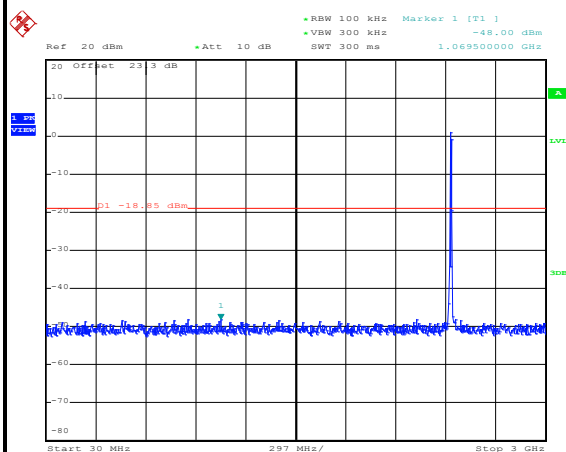
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level



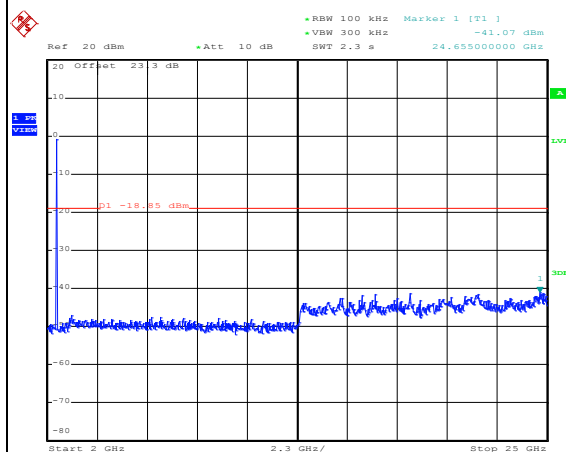
Date: 20.JUL.2016 15:22:17

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:22:52

Spurious Emission 2GHz~25GHz



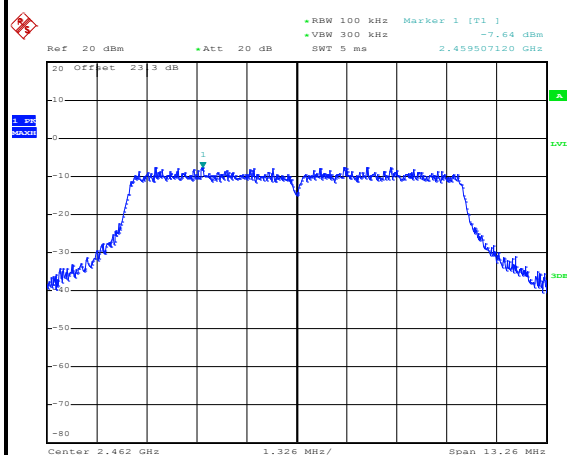
Date: 20.JUL.2016 15:23:01



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

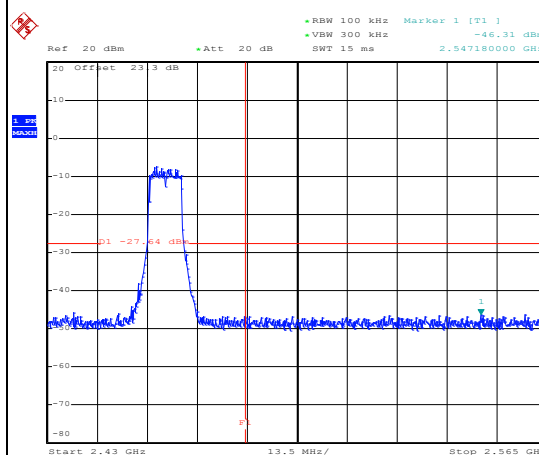
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



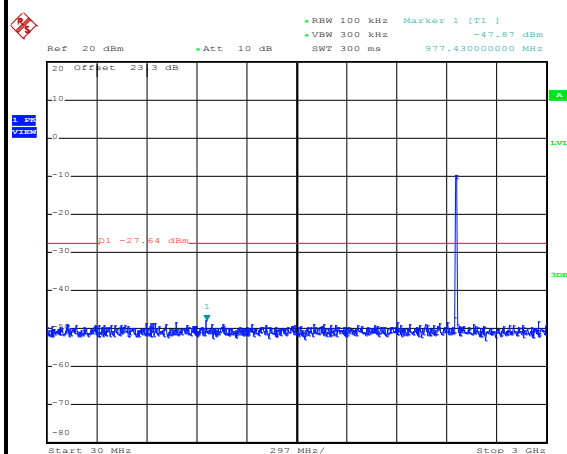
Date: 20.JUL.2016 10:59:52

High Channel Plot



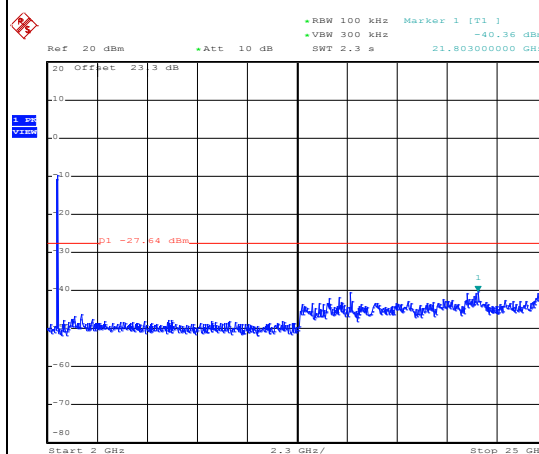
Date: 20.JUL.2016 11:00:05

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:00:18

Spurious Emission 2GHz~25GHz



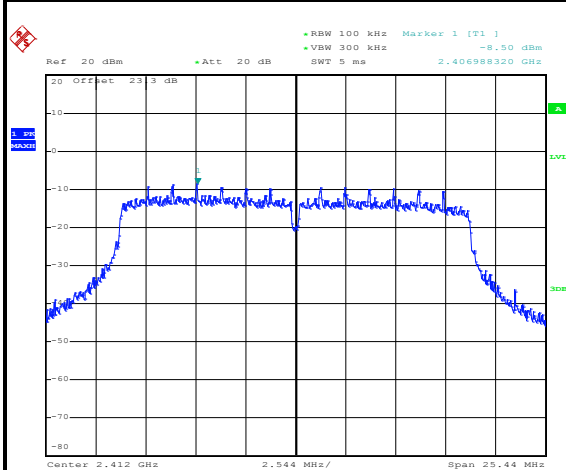
Date: 20.JUL.2016 11:00:26



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

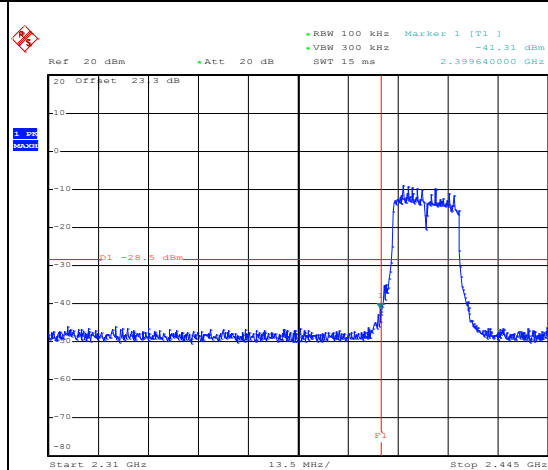
WLAN 802.11ac VHT20 Channel 01

100kHz PSD reference Level



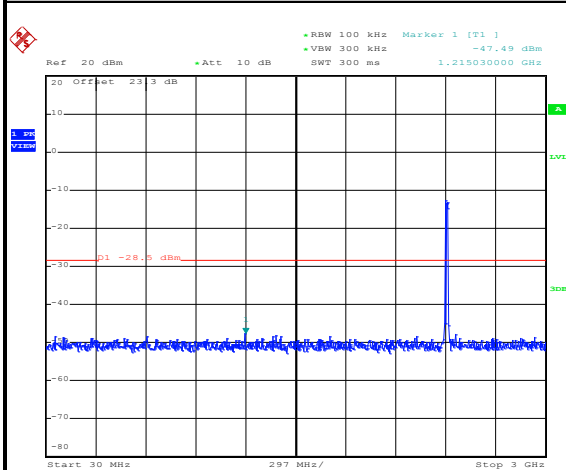
Date: 20.JUL.2016 14:24:26

Low Channel Plot



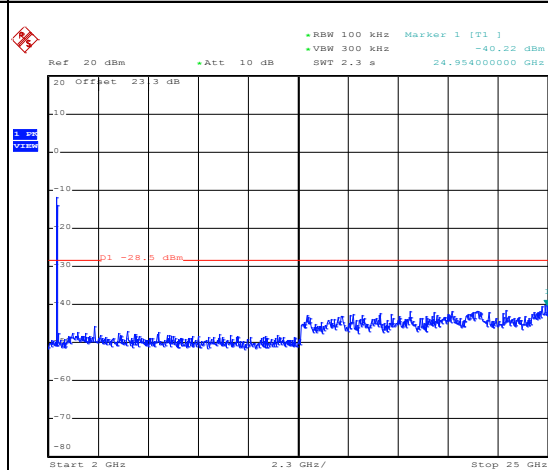
Date: 20.JUL.2016 14:24:50

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 14:27:01

Spurious Emission 2GHz~25GHz



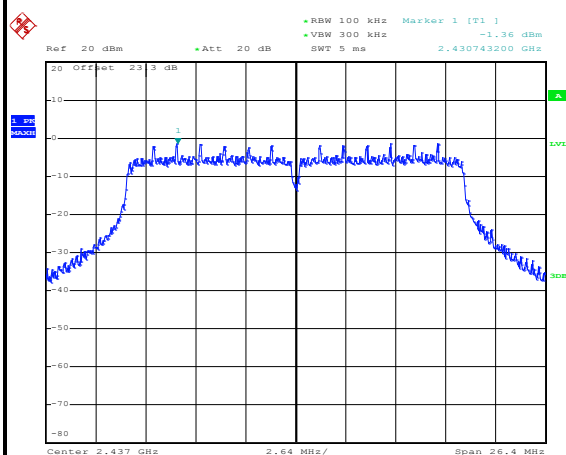
Date: 20.JUL.2016 14:27:09



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

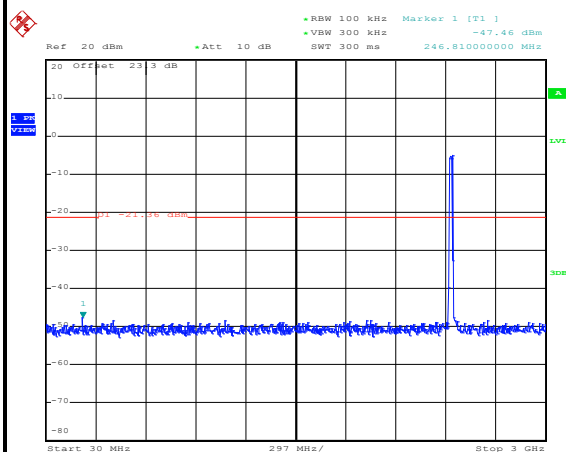
WLAN 802.11ac VHT20 Channel 06

100kHz PSD reference Level



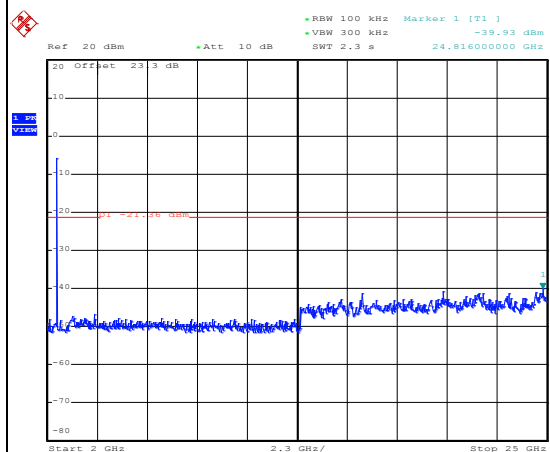
Date: 20.JUL.2016 15:33:52

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:34:03

Spurious Emission 2GHz~25GHz



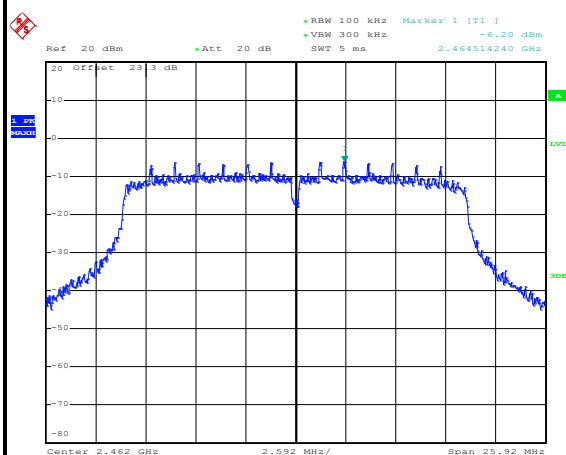
Date: 20.JUL.2016 15:34:12



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

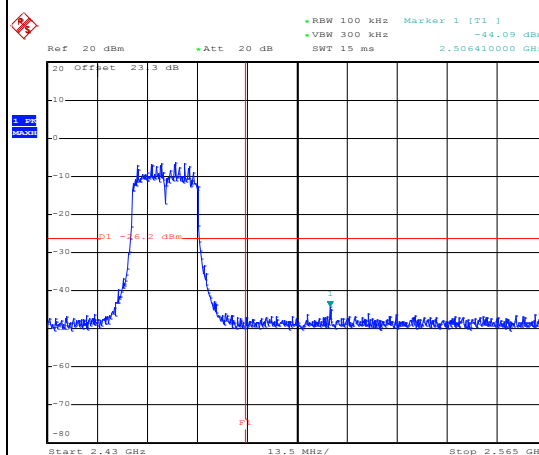
WLAN 802.11ac VHT20 Channel 11

100kHz PSD reference Level



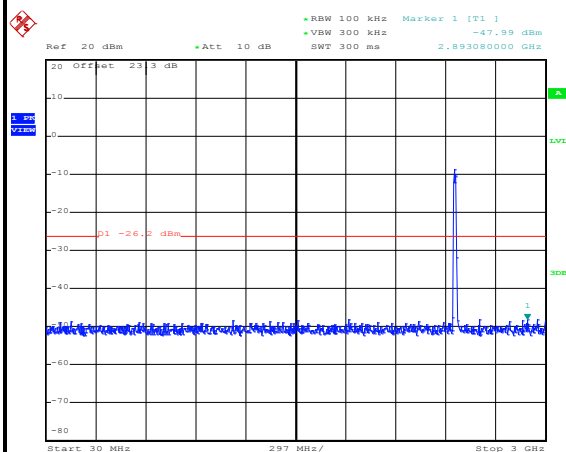
Date: 20.JUL.2016 15:39:59

High Channel Plot



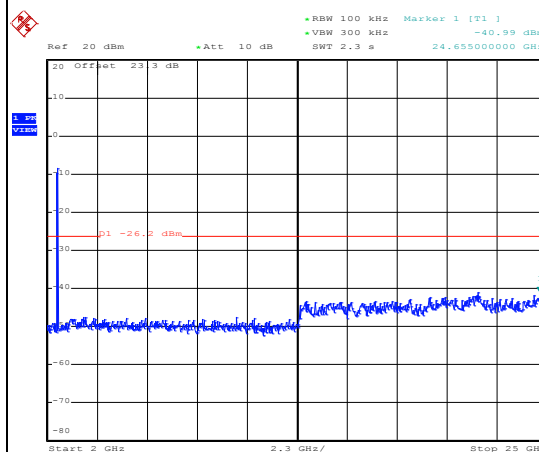
Date: 20.JUL.2016 15:40:12

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:40:23

Spurious Emission 2GHz~25GHz



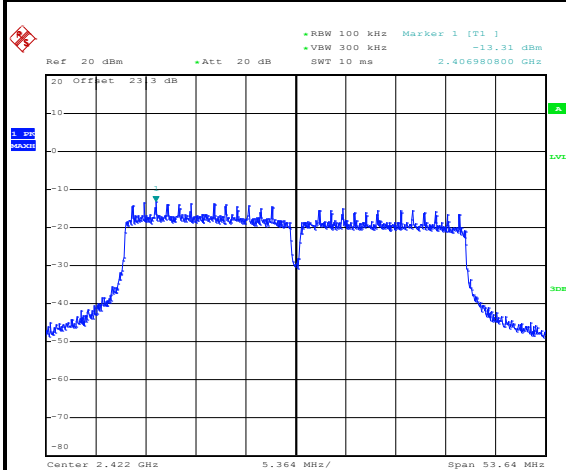
Date: 20.JUL.2016 15:40:31



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

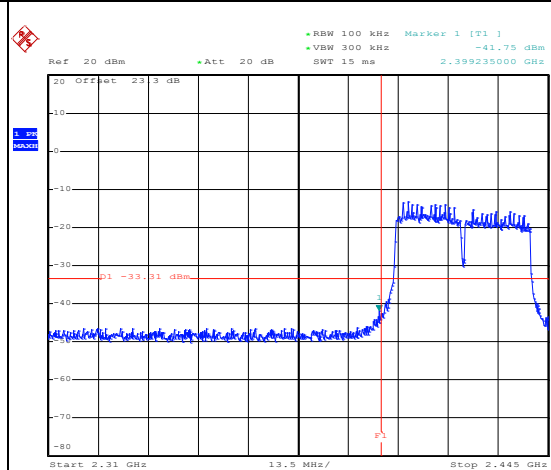
WLAN 802.11ac VHT40 Channel 03

100kHz PSD reference Level



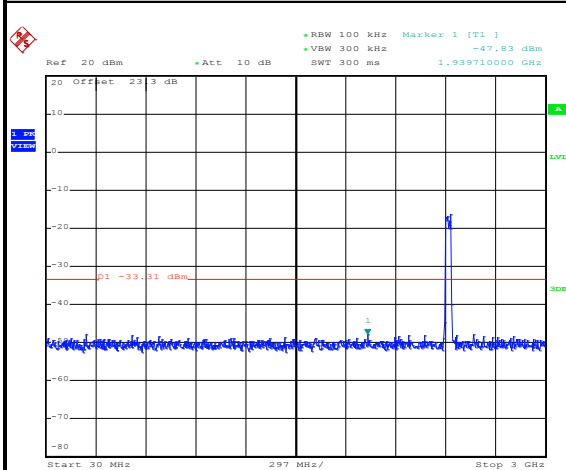
Date: 20.JUL.2016 14:38:03

Low Channel Plot



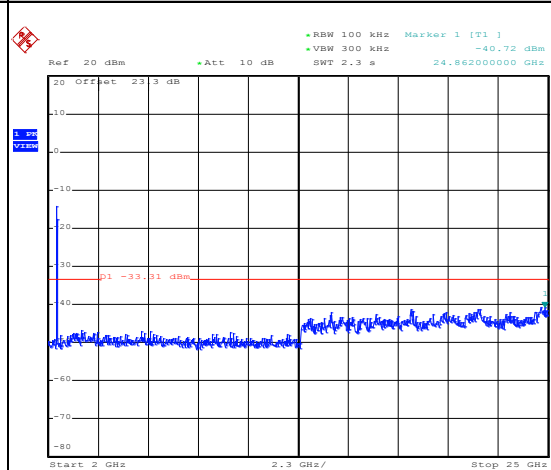
Date: 20.JUL.2016 14:38:17

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 14:40:13

Spurious Emission 2GHz~25GHz



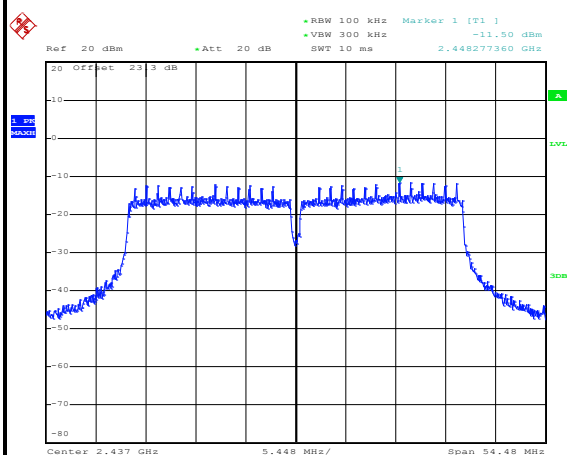
Date: 20.JUL.2016 14:39:54



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

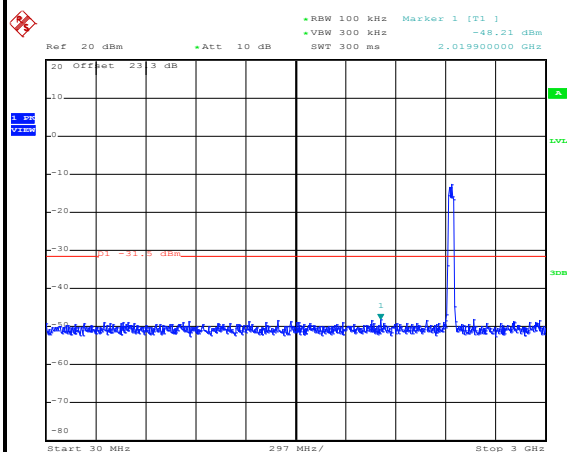
WLAN 802.11ac VHT40 Channel 06

100kHz PSD reference Level



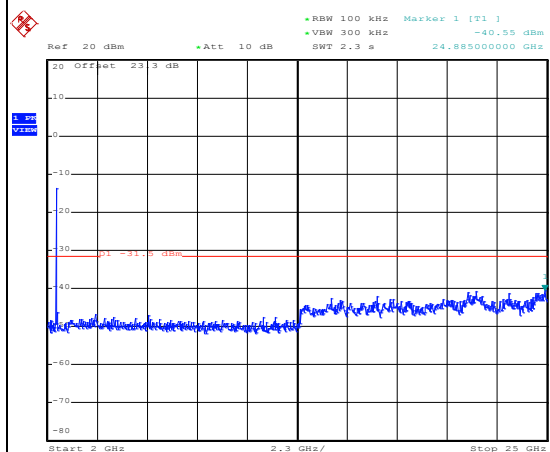
Date: 20.JUL.2016 14:47:13

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 14:49:15

Spurious Emission 2GHz~25GHz



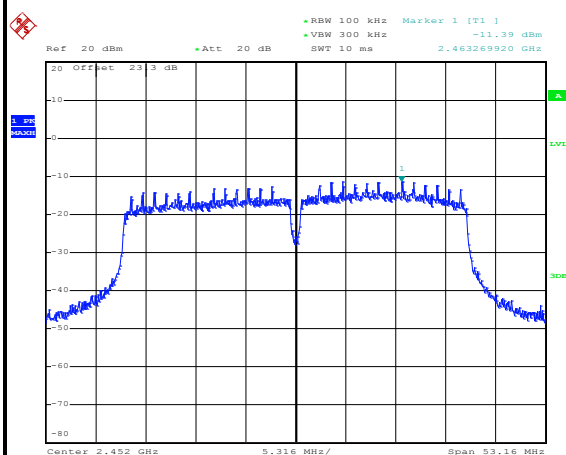
Date: 20.JUL.2016 14:49:23



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

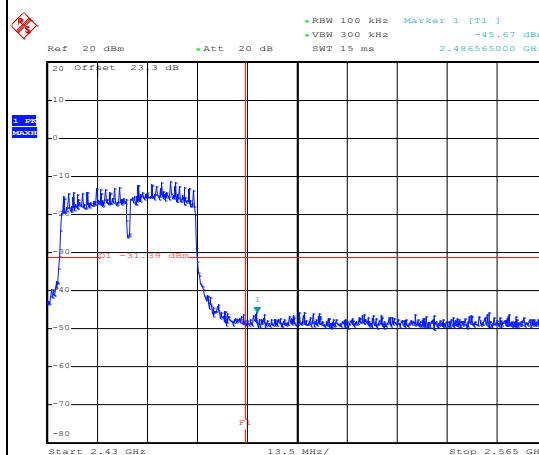
WLAN 802.11ac VHT40 Channel 09

100kHz PSD reference Level



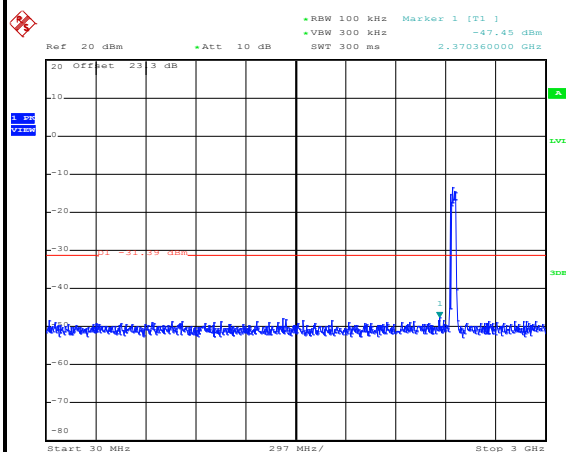
Date: 20.JUL.2016 14:51:32

High Channel Plot



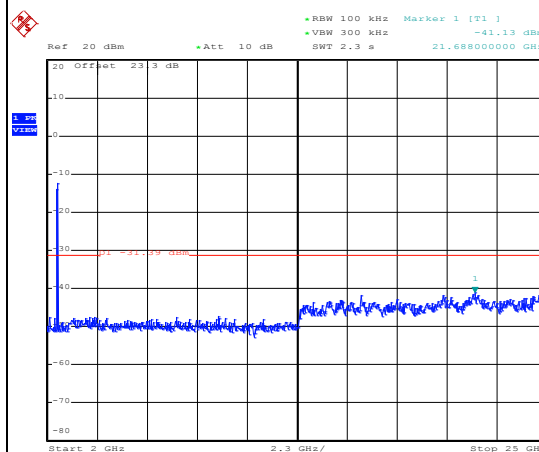
Date: 20.JUL.2016 14:51:46

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 14:51:57

Spurious Emission 2GHz~25GHz



Date: 20.JUL.2016 14:52:05

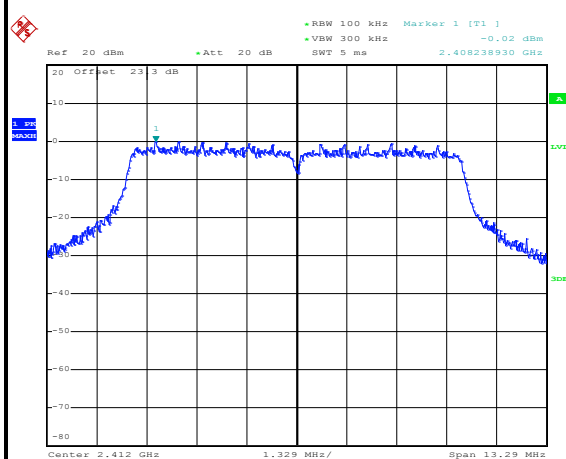


Number of TX = 2, Ant. 2 (Measured)

Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

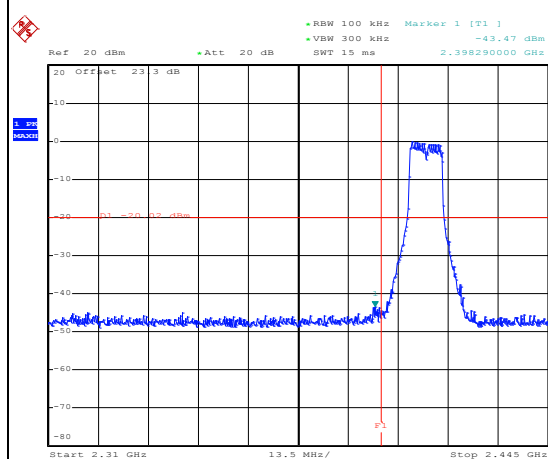
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



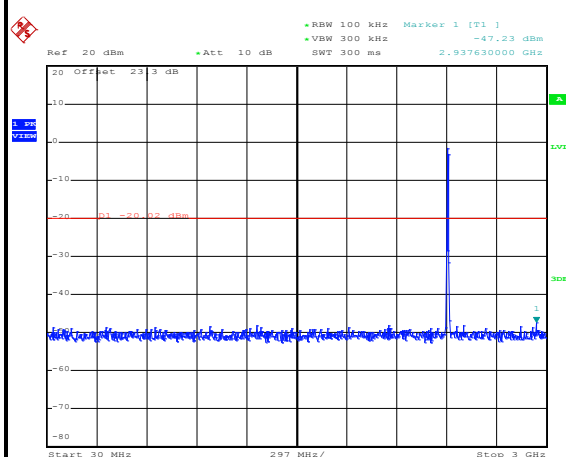
Date: 20.JUL.2016 15:14:58

Low Channel Plot



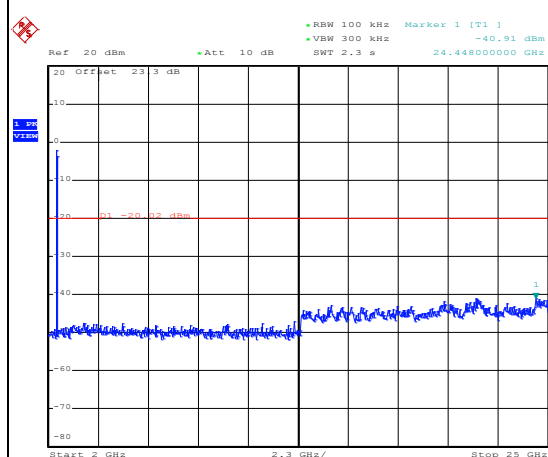
Date: 20.JUL.2016 15:15:40

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:15:53

Spurious Emission 2GHz~25GHz



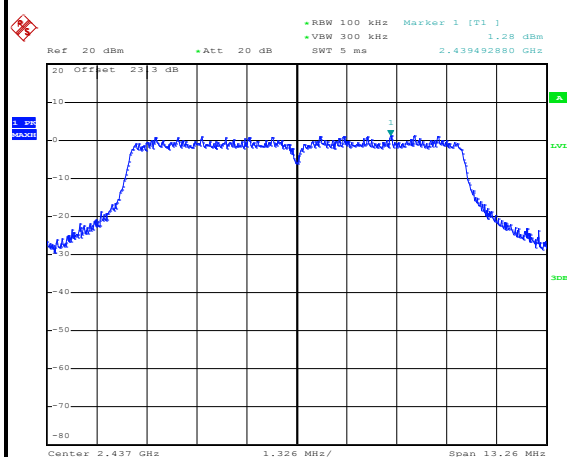
Date: 20.JUL.2016 15:16:01



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

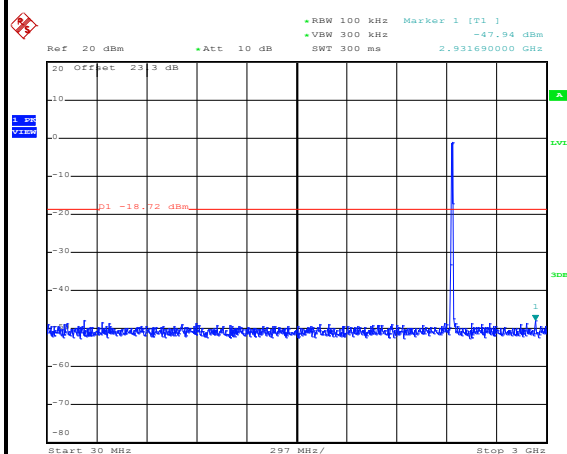
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level



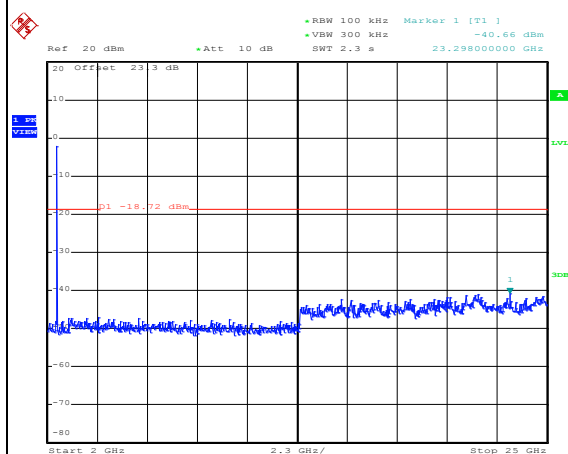
Date: 20.JUL.2016 15:19:25

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:20:09

Spurious Emission 2GHz~25GHz



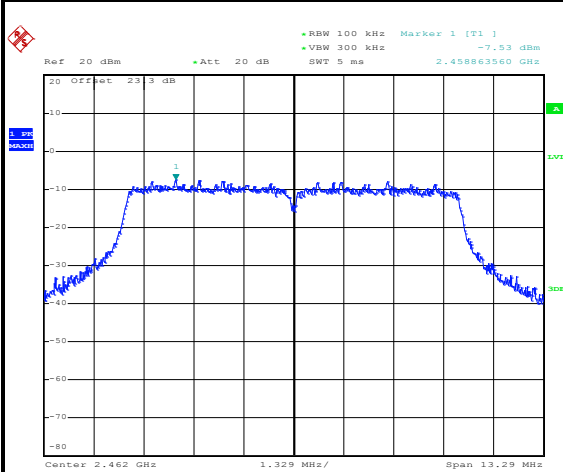
Date: 20.JUL.2016 15:20:17



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

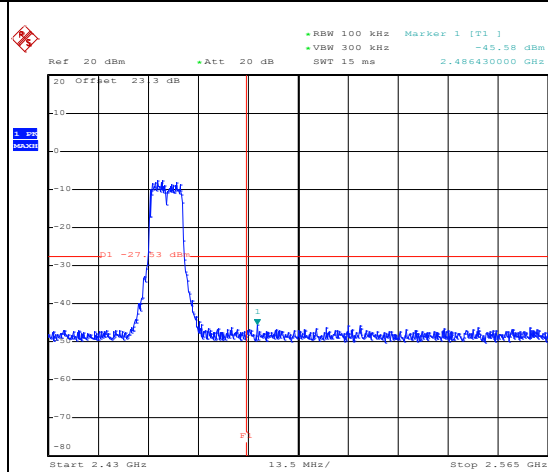
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



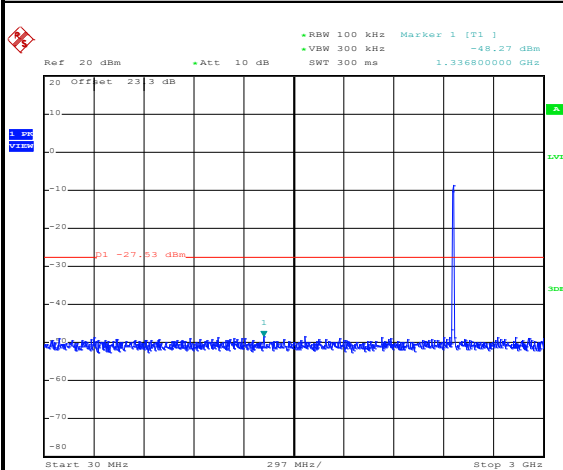
Date: 20.JUL.2016 11:04:40

High Channel Plot



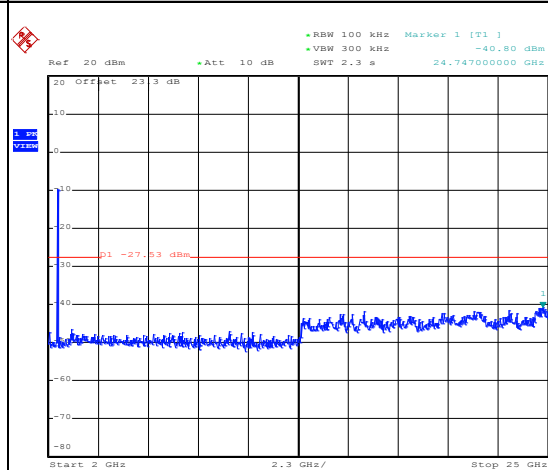
Date: 20.JUL.2016 11:04:55

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:05:07

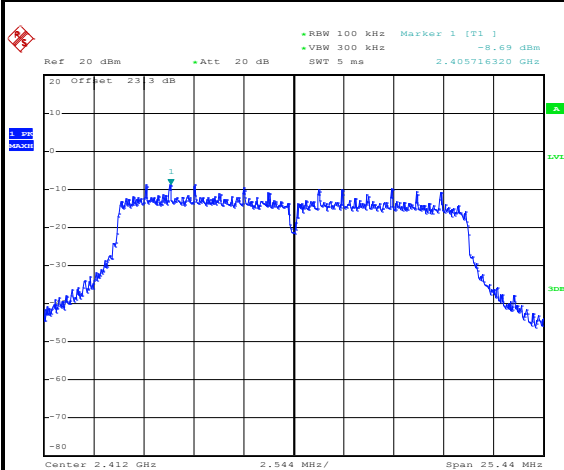
Spurious Emission 2GHz~25GHz



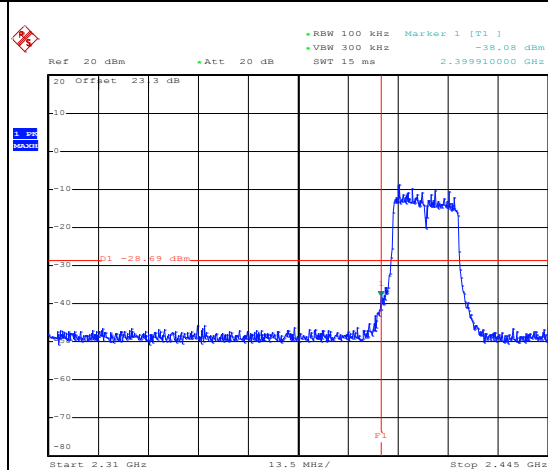
Date: 20.JUL.2016 11:05:15



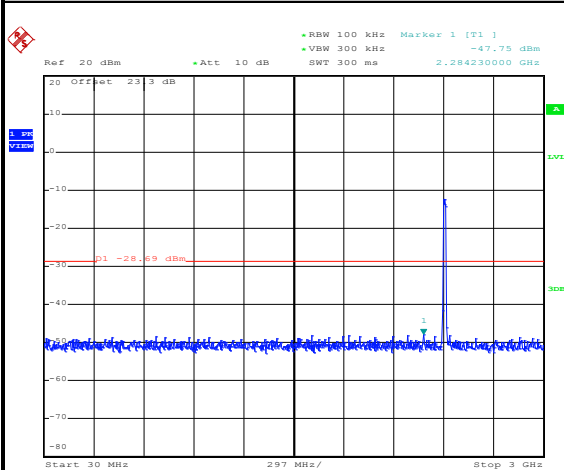
Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT20 Channel 01**100kHz PSD reference Level**

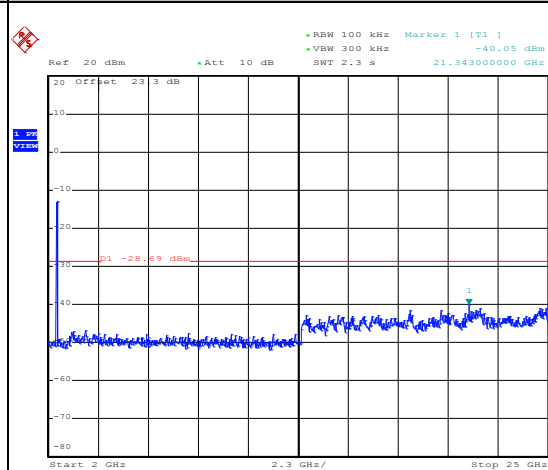
Date: 20.JUL.2016 14:29:03

Low Channel Plot

Date: 20.JUL.2016 14:29:14

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 14:31:10

Spurious Emission 2GHz~25GHz

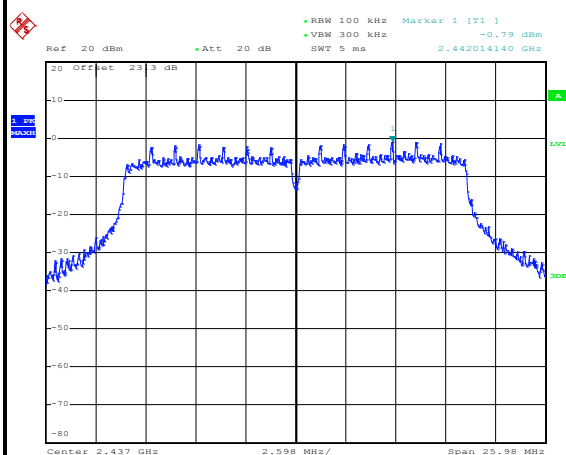
Date: 20.JUL.2016 14:31:18



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

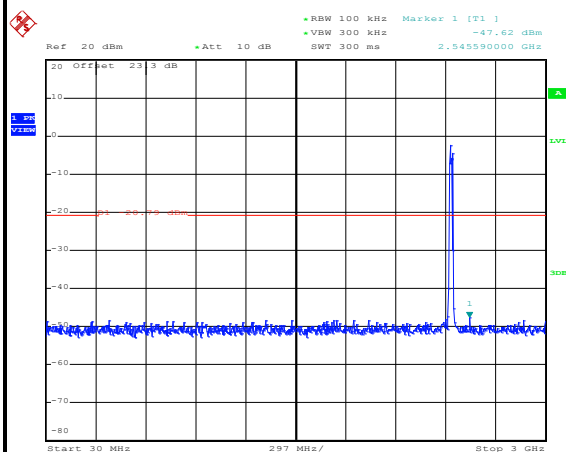
WLAN 802.11ac VHT20 Channel 06

100kHz PSD reference Level



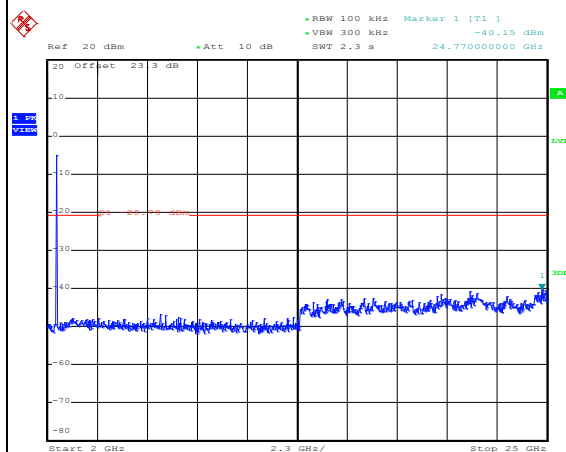
Date: 20.JUL.2016 15:31:56

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:32:08

Spurious Emission 2GHz~25GHz



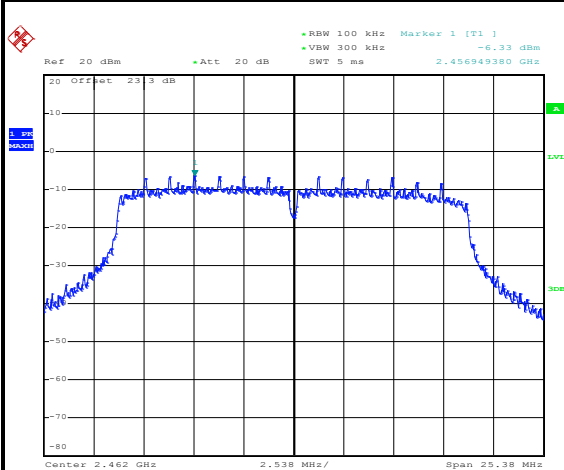
Date: 20.JUL.2016 15:32:17



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

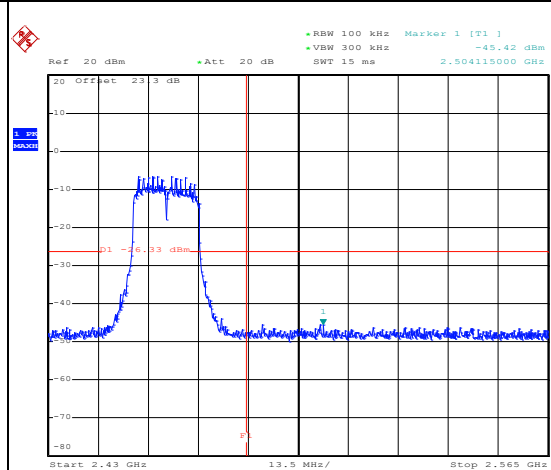
WLAN 802.11ac VHT20 Channel 11

100kHz PSD reference Level



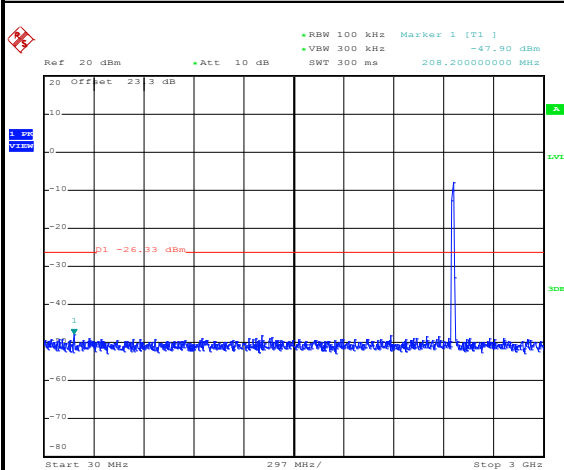
Date: 20.JUL.2016 15:37:46

High Channel Plot



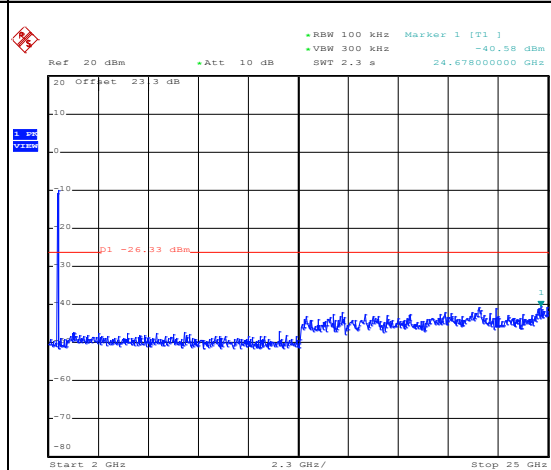
Date: 20.JUL.2016 15:38:06

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 15:38:17

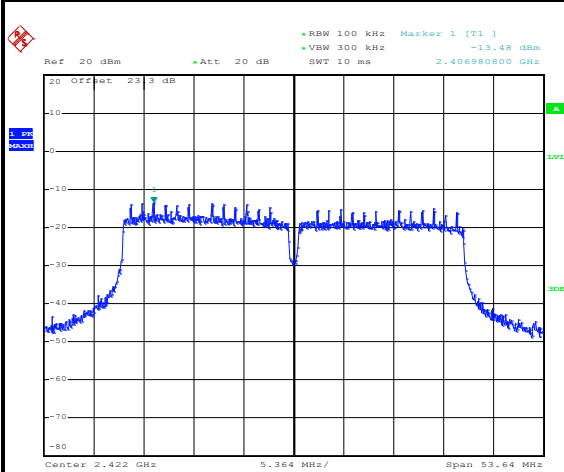
Spurious Emission 2GHz~25GHz



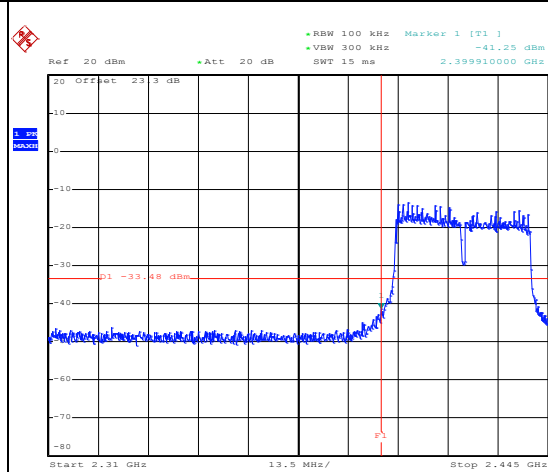
Date: 20.JUL.2016 15:38:26



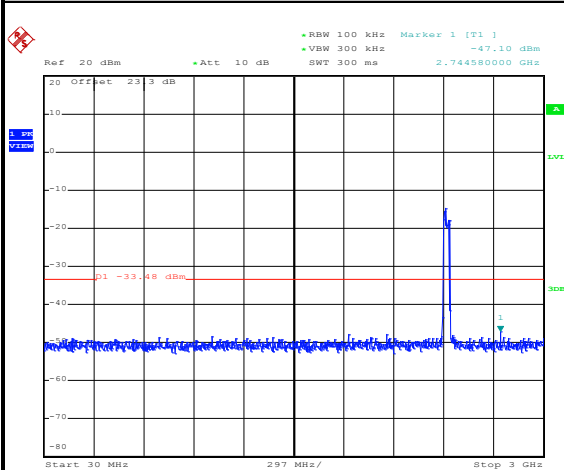
Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT40 Channel 03**100kHz PSD reference Level**

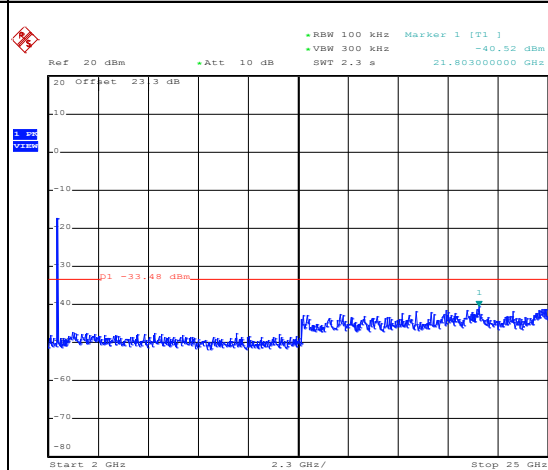
Date: 20.JUL.2016 14:34:46

Low Channel Plot

Date: 20.JUL.2016 14:35:46

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 14:36:22

Spurious Emission 2GHz~25GHz

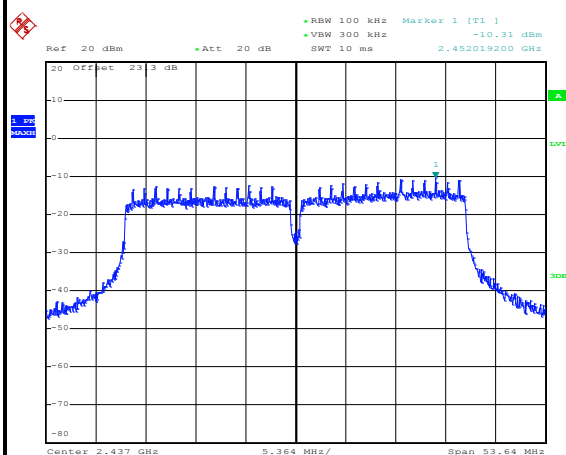
Date: 20.JUL.2016 14:36:30



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

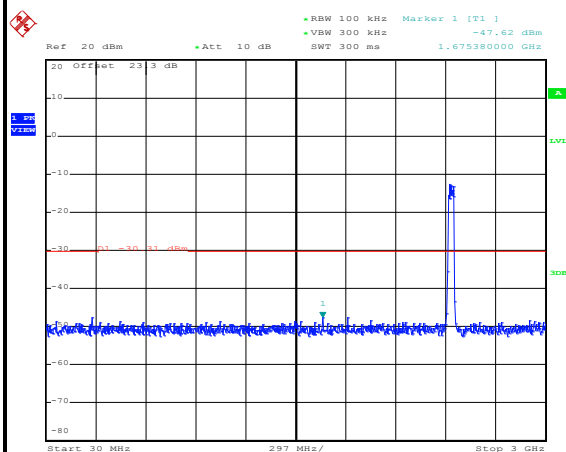
WLAN 802.11ac VHT40 Channel 06

100kHz PSD reference Level



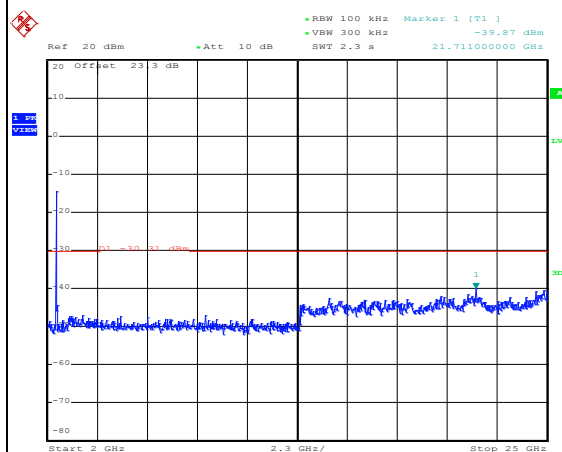
Date: 20.JUL.2016 14:44:21

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 14:44:52

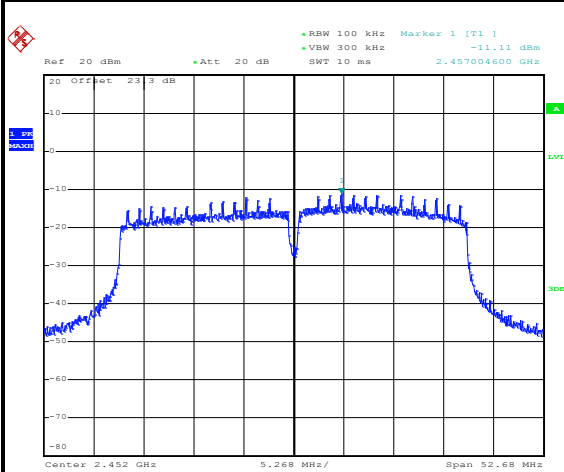
Spurious Emission 2GHz~25GHz



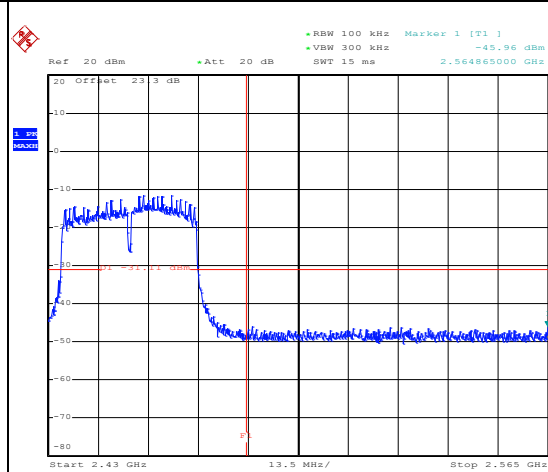
Date: 20.JUL.2016 14:45:00



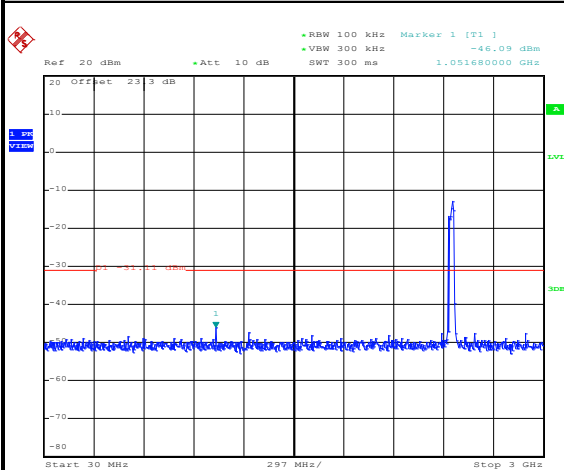
Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT40 Channel 09**100kHz PSD reference Level**

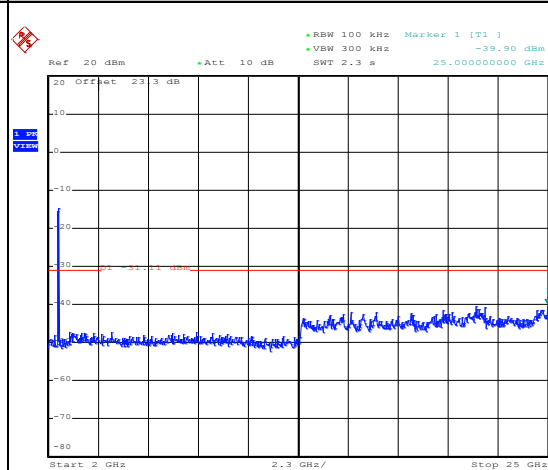
Date: 20.JUL.2016 14:53:35

High Channel Plot

Date: 20.JUL.2016 14:53:48

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 14:53:59

Spurious Emission 2GHz~25GHz

Date: 20.JUL.2016 14:54:07

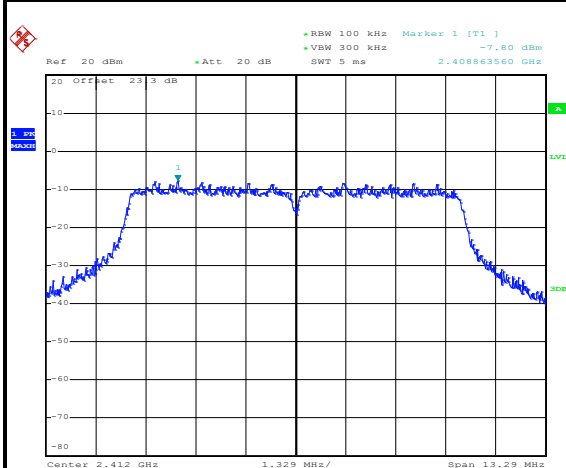


<Ant. Type 2>

Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

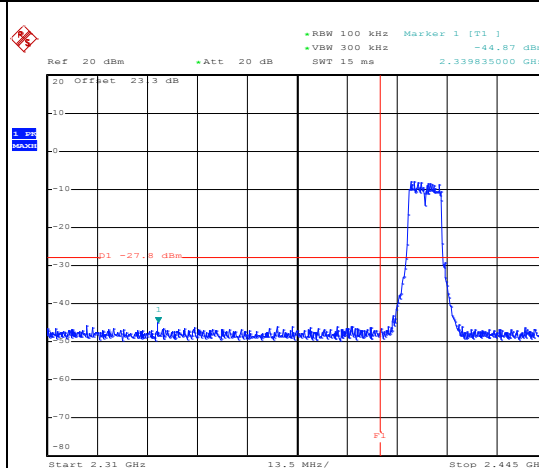
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



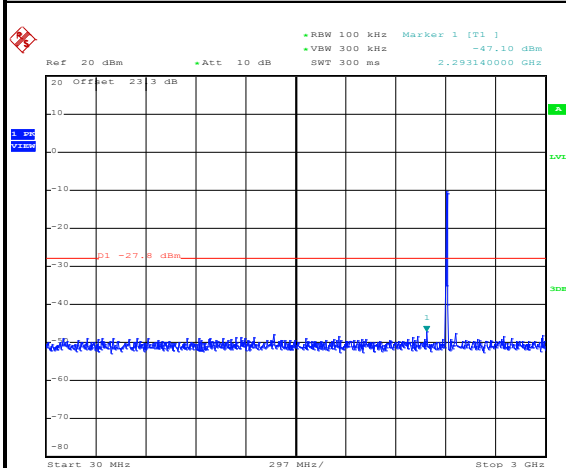
Date: 20.JUL.2016 10:22:47

Low Channel Plot



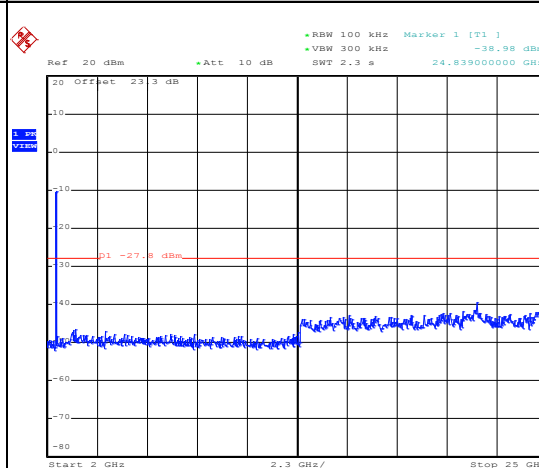
Date: 20.JUL.2016 10:33:35

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 10:57:30

Spurious Emission 2GHz~25GHz



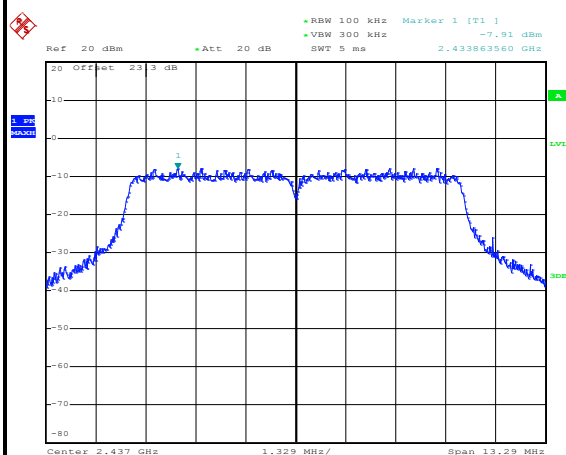
Date: 20.JUL.2016 10:57:39



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

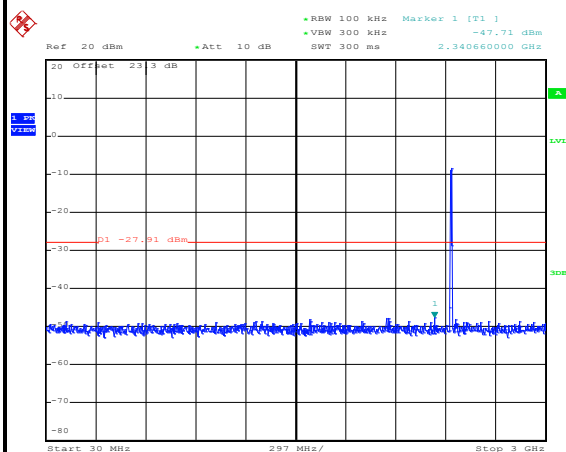
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level



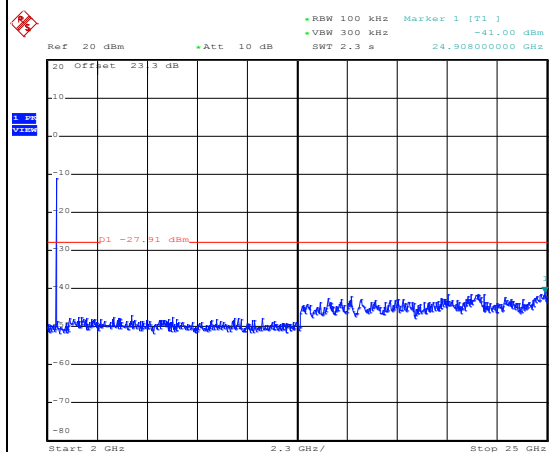
Date: 20.JUL.2016 10:39:41

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 10:39:52

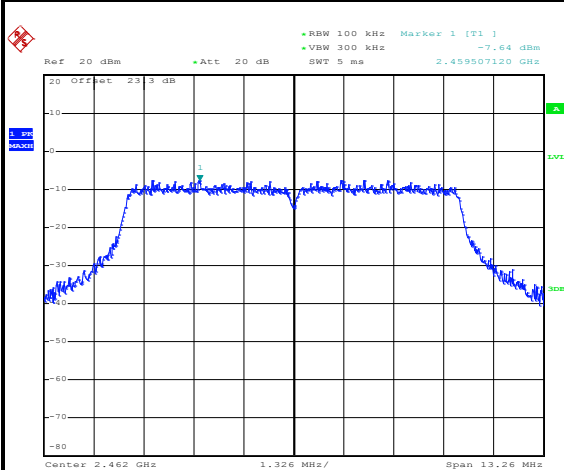
Spurious Emission 2GHz~25GHz



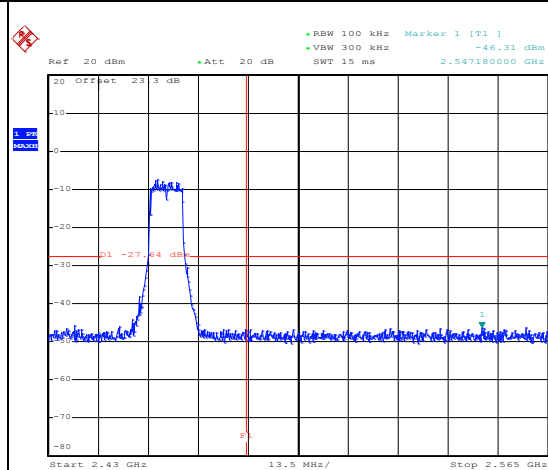
Date: 20.JUL.2016 10:40:01



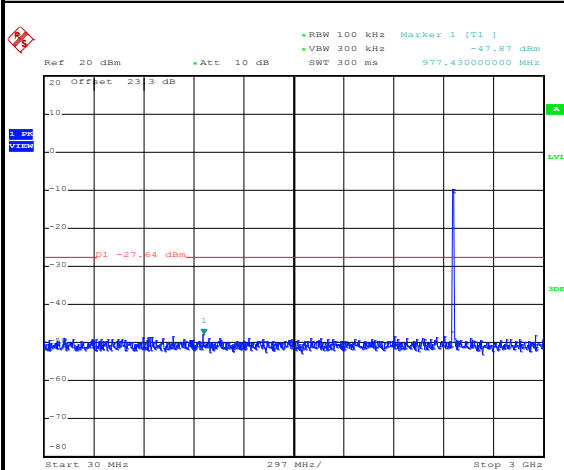
Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

WLAN 802.11n HT20 Channel 11**100kHz PSD reference Level**

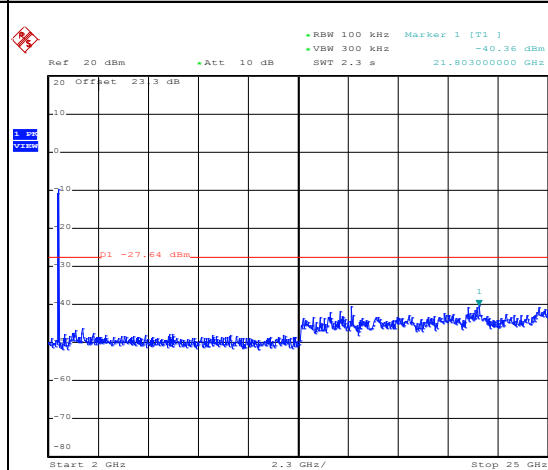
Date: 20.JUL.2016 10:59:52

High Channel Plot

Date: 20.JUL.2016 11:00:05

Spurious Emission 30MHz~3GHz

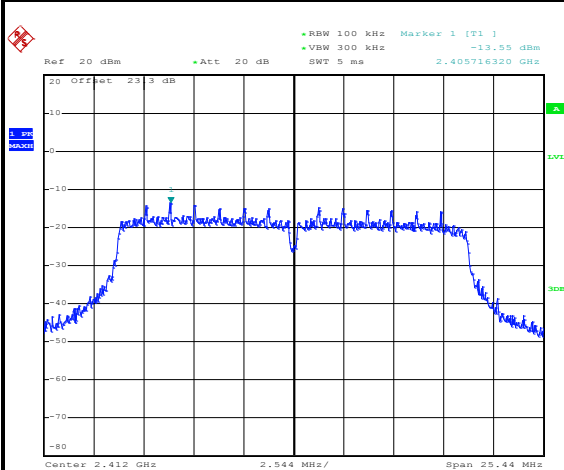
Date: 20.JUL.2016 11:00:18

Spurious Emission 2GHz~25GHz

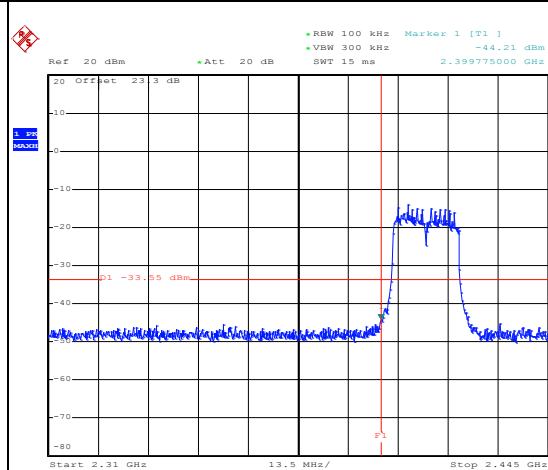
Date: 20.JUL.2016 11:00:26



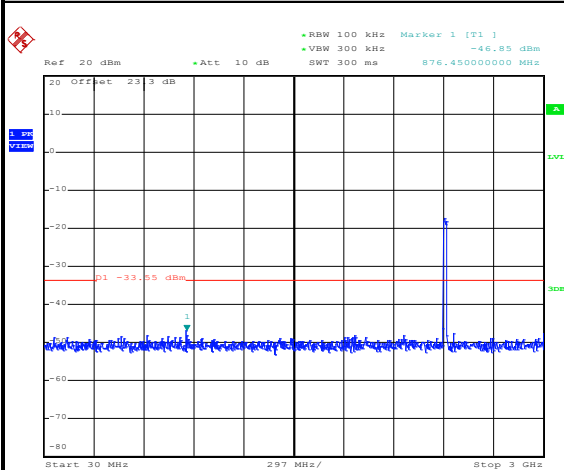
Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT20 Channel 01**100kHz PSD reference Level**

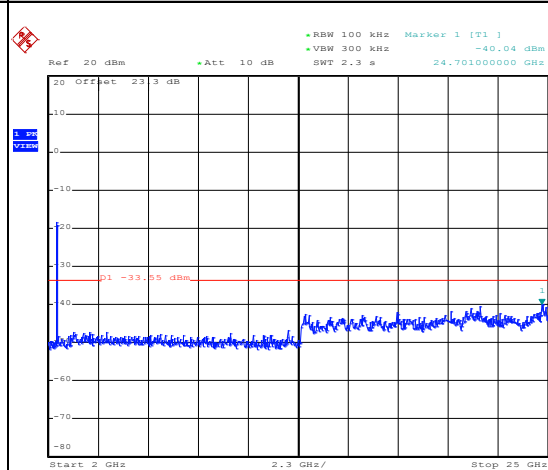
Date: 20.JUL.2016 11:23:34

Low Channel Plot

Date: 20.JUL.2016 11:23:49

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 11:29:08

Spurious Emission 2GHz~25GHz

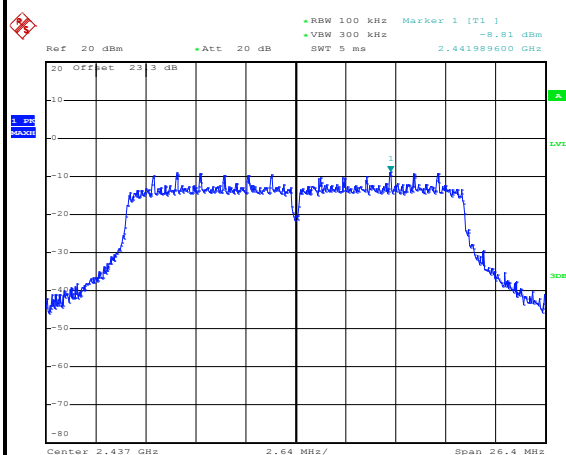
Date: 20.JUL.2016 11:29:16



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

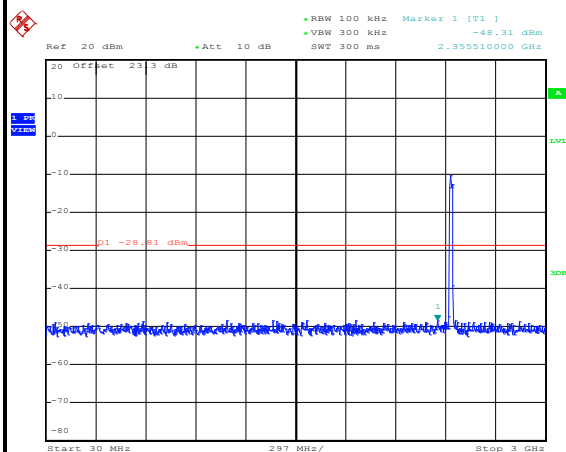
WLAN 802.11ac VHT20 Channel 06

100kHz PSD reference Level



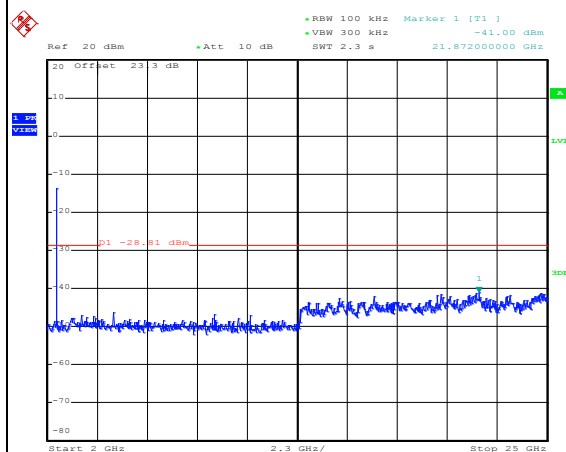
Date: 20.JUL.2016 11:31:14

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:31:25

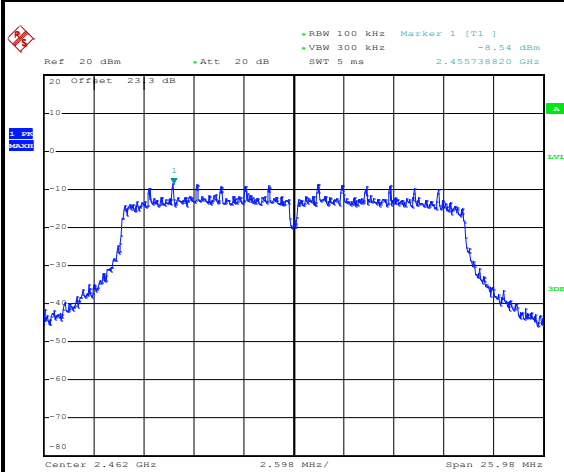
Spurious Emission 2GHz~25GHz



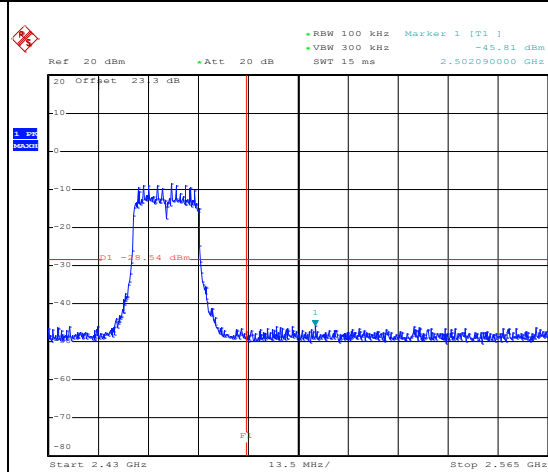
Date: 20.JUL.2016 11:31:34



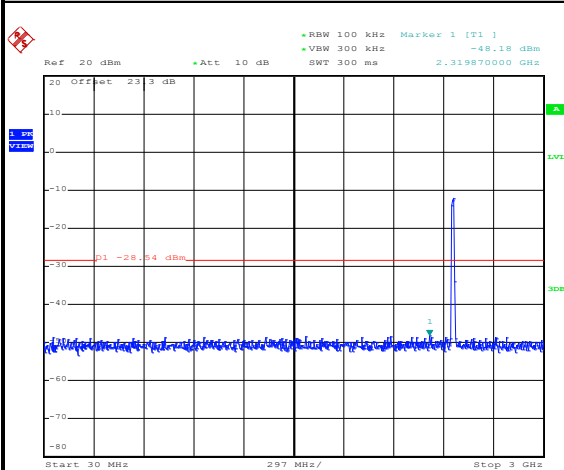
Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

WLAN 802.11ac VHT20 Channel 11**100kHz PSD reference Level**

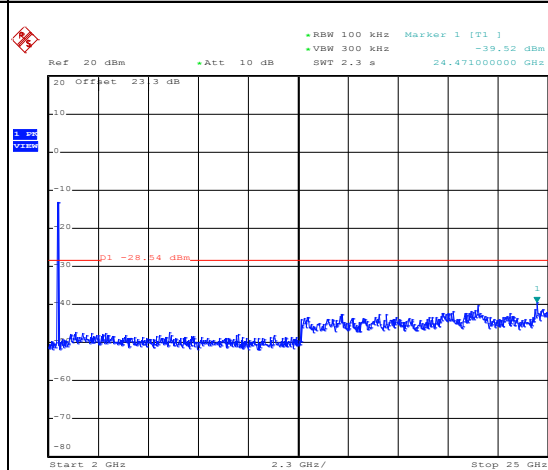
Date: 20.JUL.2016 11:40:39

High Channel Plot

Date: 20.JUL.2016 11:40:53

Spurious Emission 30MHz~3GHz

Date: 20.JUL.2016 11:41:04

Spurious Emission 2GHz~25GHz

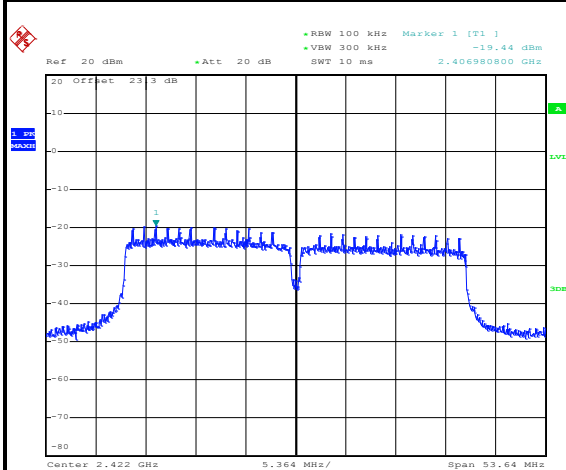
Date: 20.JUL.2016 11:41:13



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

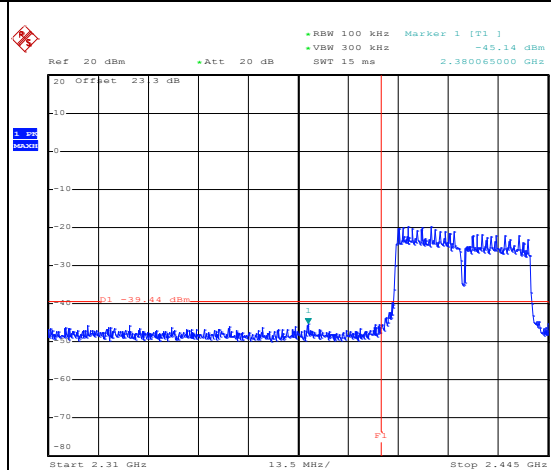
WLAN 802.11ac VHT40 Channel 03

100kHz PSD reference Level



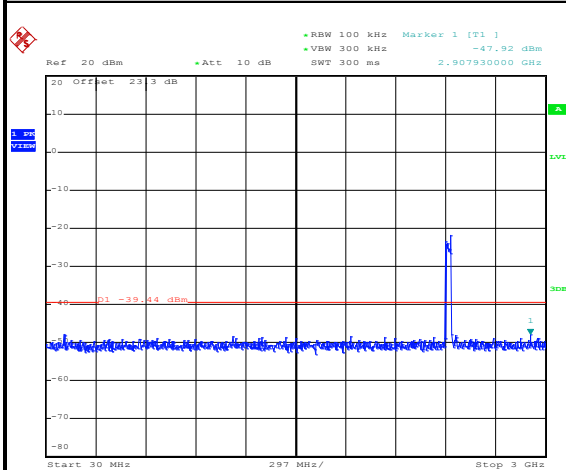
Date: 20.JUL.2016 11:53:43

Low Channel Plot



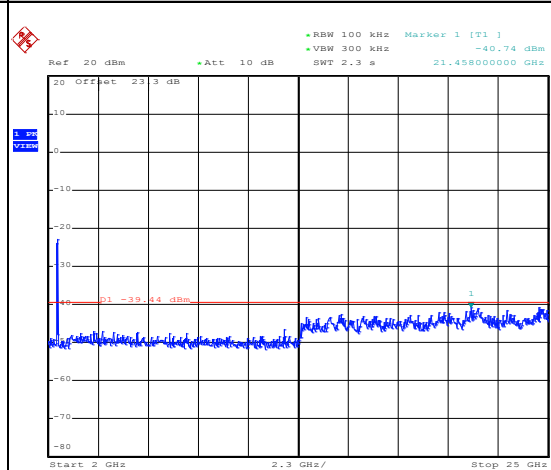
Date: 20.JUL.2016 11:53:59

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:54:38

Spurious Emission 2GHz~25GHz



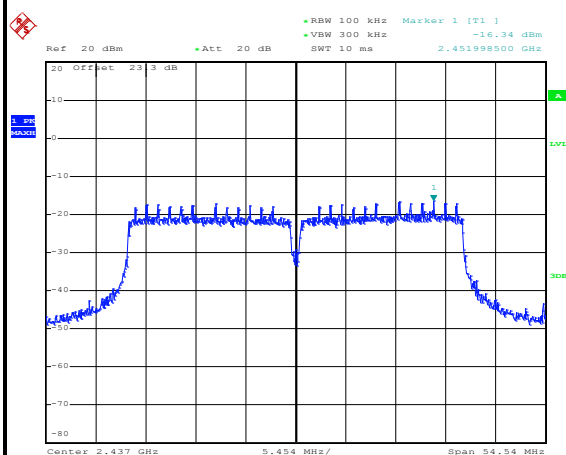
Date: 20.JUL.2016 11:54:46



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

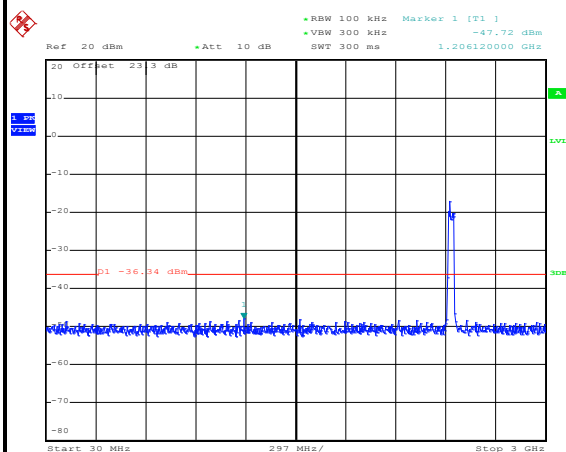
WLAN 802.11ac VHT40 Channel 06

100kHz PSD reference Level



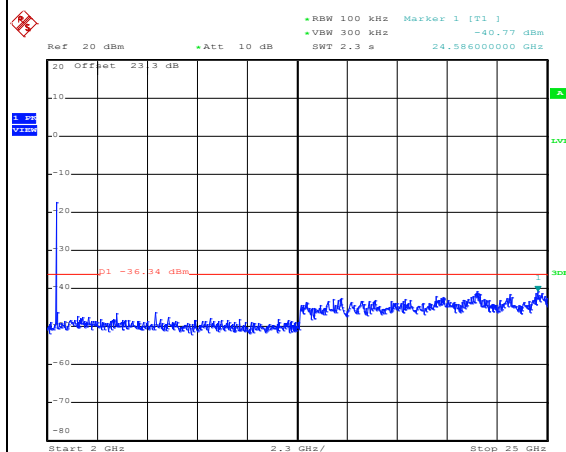
Date: 20.JUL.2016 13:34:40

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 13:34:51

Spurious Emission 2GHz~25GHz



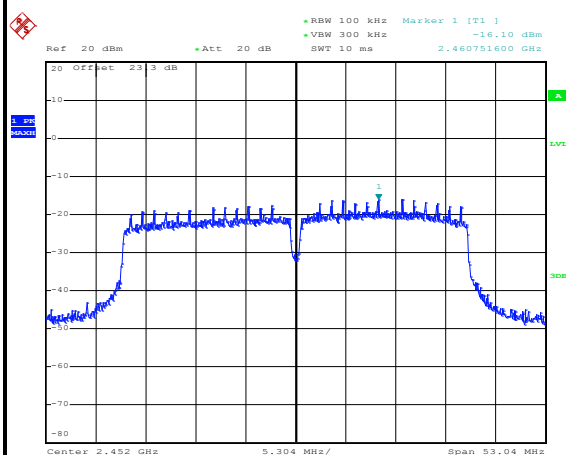
Date: 20.JUL.2016 13:35:00



Number of TX	2	Ant. :	1
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	09	Test Engineer :	Bill Kuo

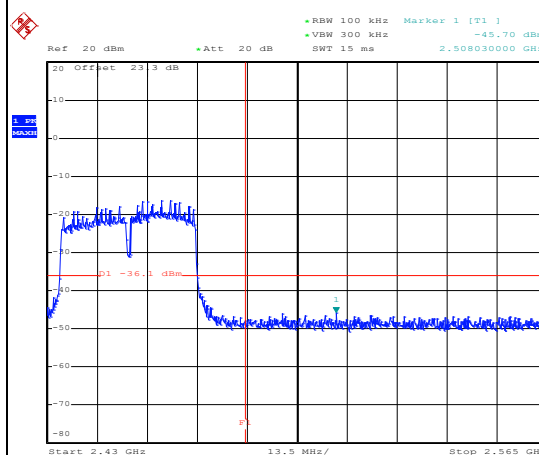
WLAN 802.11ac VHT40 Channel 09

100kHz PSD reference Level



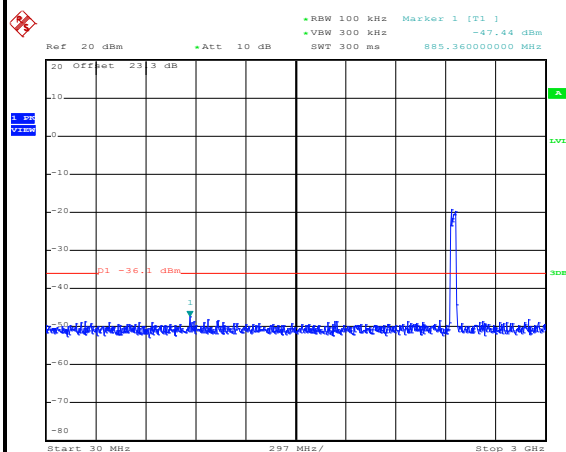
Date: 20.JUL.2016 13:40:59

High Channel Plot



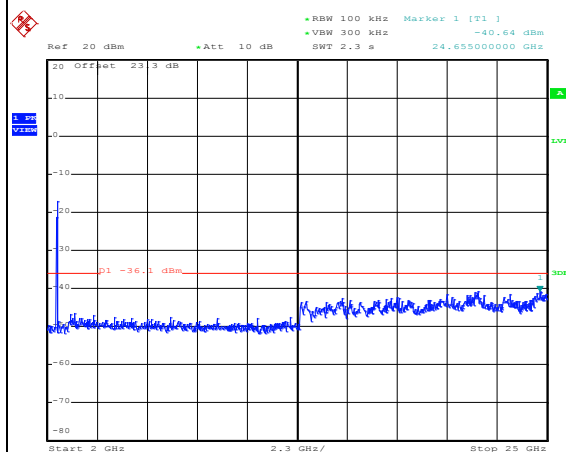
Date: 20.JUL.2016 13:41:13

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 13:41:24

Spurious Emission 2GHz~25GHz



Date: 20.JUL.2016 13:41:33

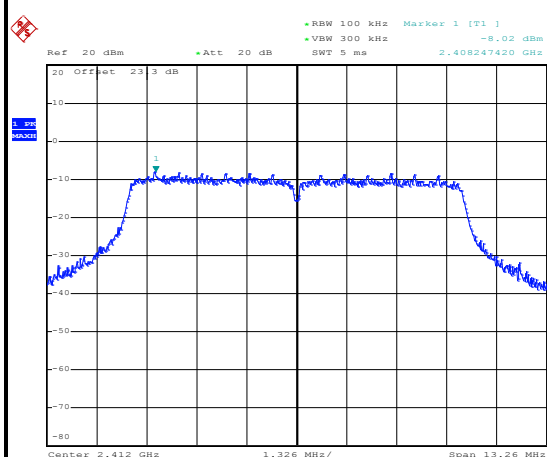


Number of TX = 2, Ant. 2 (Measured)

Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

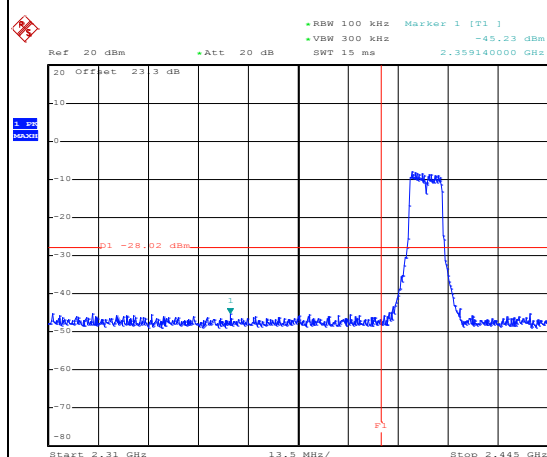
WLAN 802.11n HT20 Channel 01

100kHz PSD reference Level



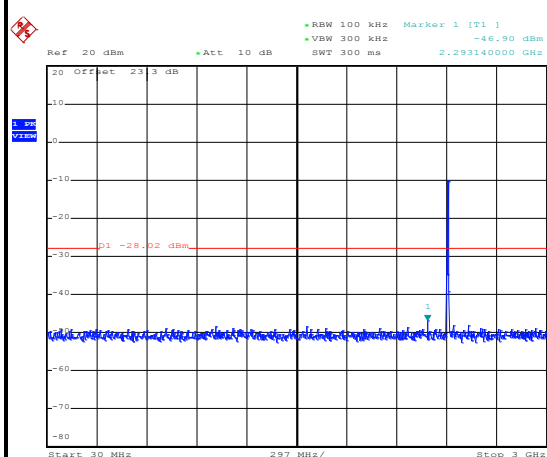
Date: 20.JUL.2016 10:11:44

Low Channel Plot



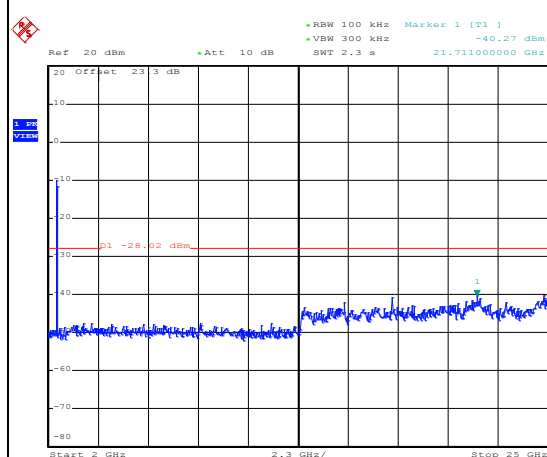
Date: 20.JUL.2016 10:12:25

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 10:12:37

Spurious Emission 2GHz~25GHz



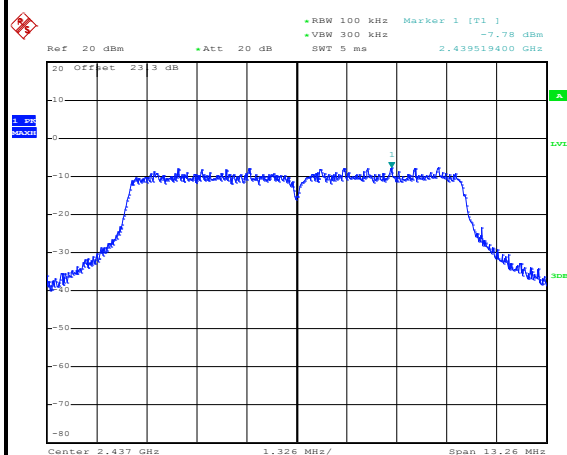
Date: 20.JUL.2016 10:12:45



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

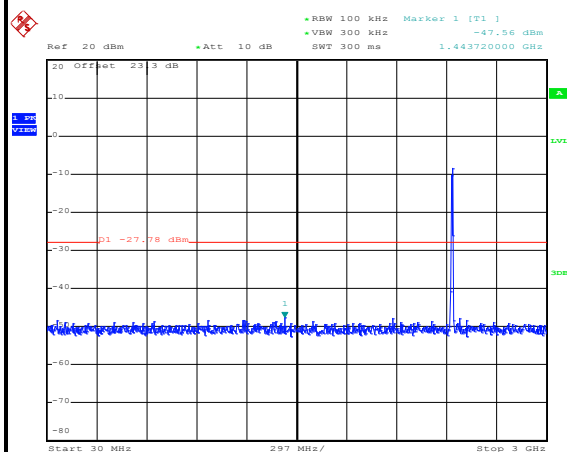
WLAN 802.11n HT20 Channel 06

100kHz PSD reference Level



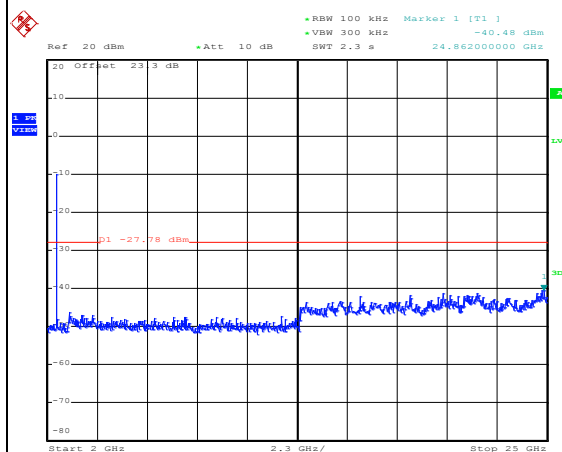
Date: 20.JUL.2016 10:54:03

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 10:54:18

Spurious Emission 2GHz~25GHz



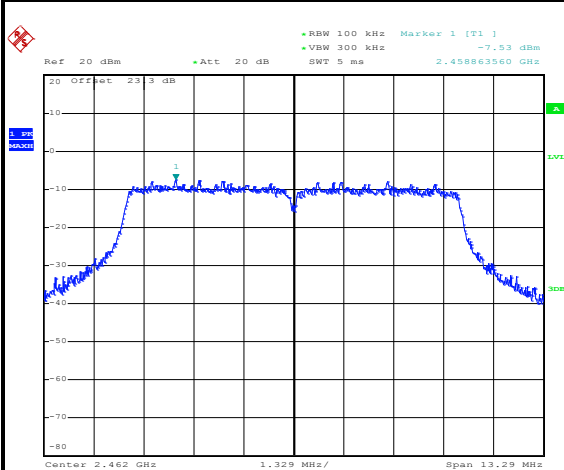
Date: 20.JUL.2016 10:54:27



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT10	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

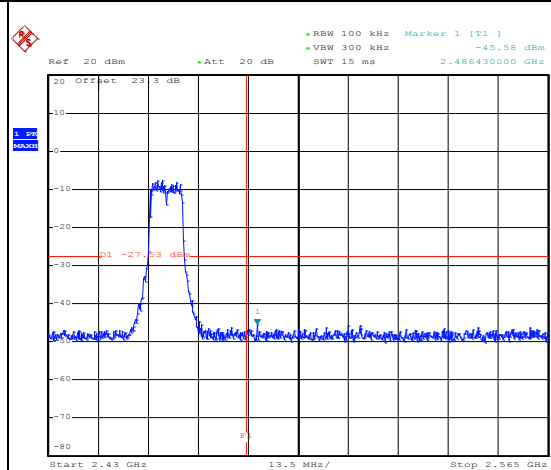
WLAN 802.11n HT20 Channel 11

100kHz PSD reference Level



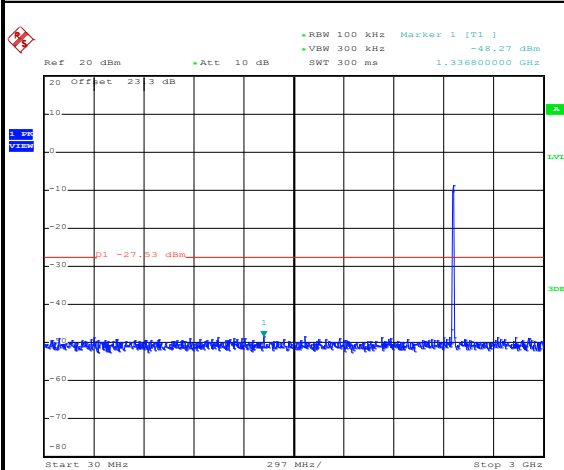
Date: 20.JUL.2016 11:04:40

High Channel Plot



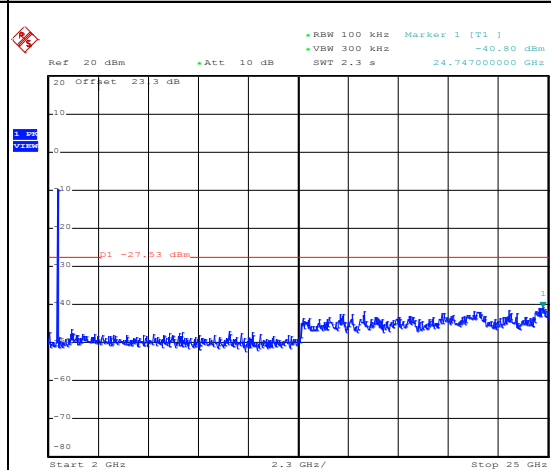
Date: 20.JUL.2016 11:04:55

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:05:07

Spurious Emission 2GHz~25GHz



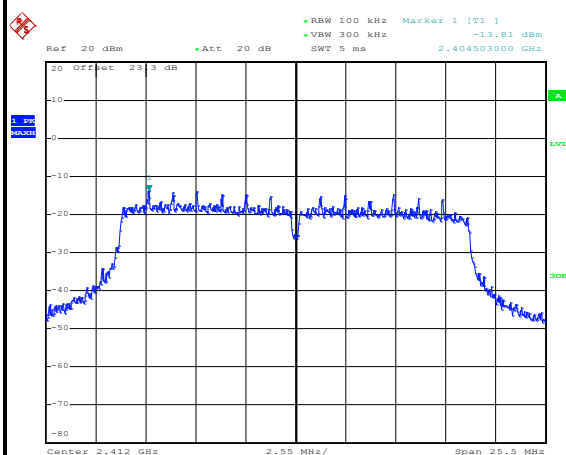
Date: 20.JUL.2016 11:05:15



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	01	Test Engineer :	Bill Kuo

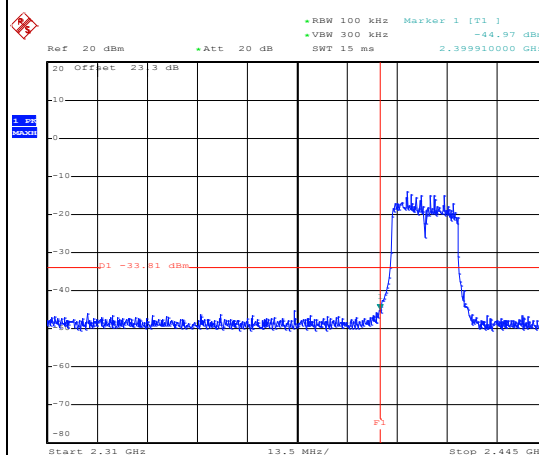
WLAN 802.11ac VHT20 Channel 01

100kHz PSD reference Level



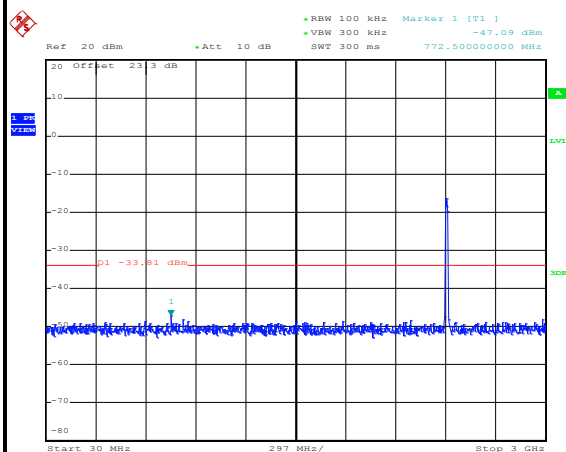
Date: 20.JUL.2016 11:20:20

Low Channel Plot



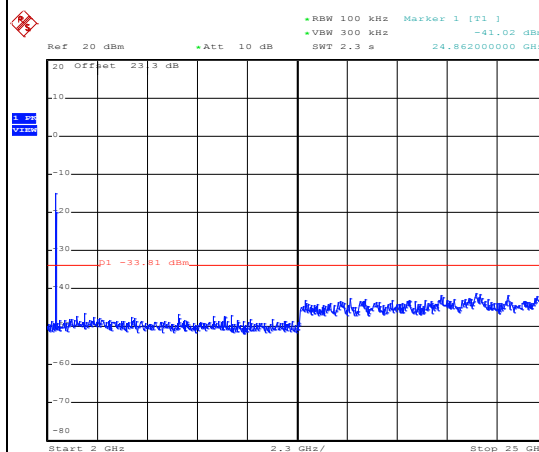
Date: 20.JUL.2016 11:20:51

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:21:02

Spurious Emission 2GHz~25GHz



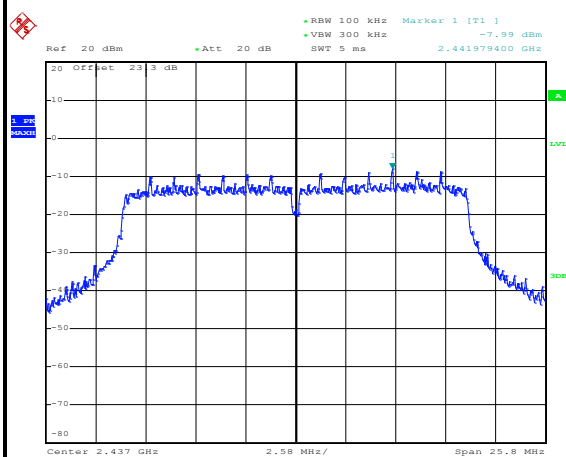
Date: 20.JUL.2016 11:21:11



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz Mid	Relative Humidity :	51~54%
Test Channel :	06	Test Engineer :	Bill Kuo

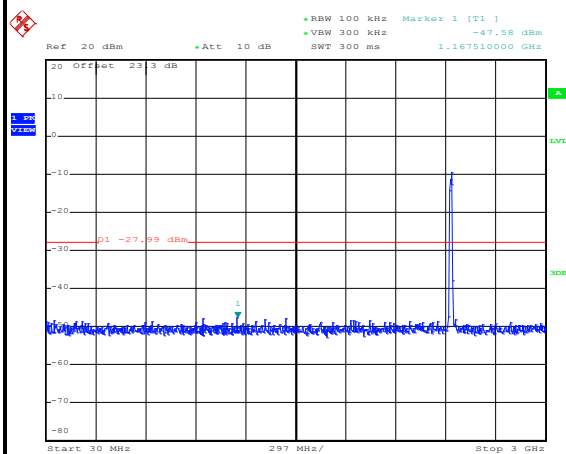
WLAN 802.11ac VHT20 Channel 06

100kHz PSD reference Level



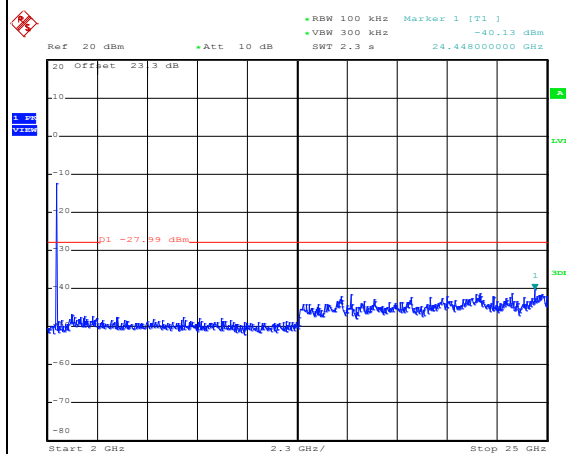
Date: 20.JUL.2016 11:33:42

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:35:10

Spurious Emission 2GHz~25GHz



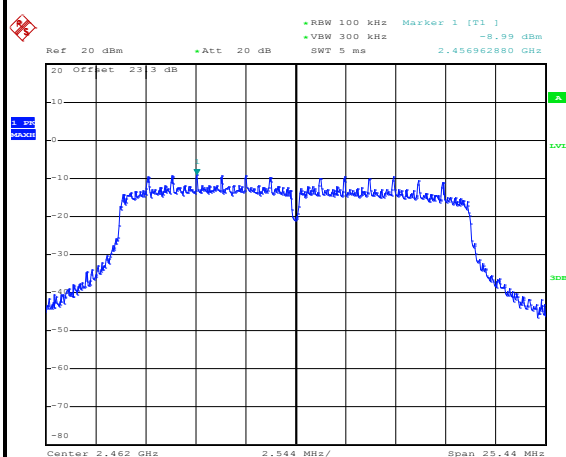
Date: 20.JUL.2016 11:35:18



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT20	Temperature :	21~25°C
Test Band :	2.4GHz High	Relative Humidity :	51~54%
Test Channel :	11	Test Engineer :	Bill Kuo

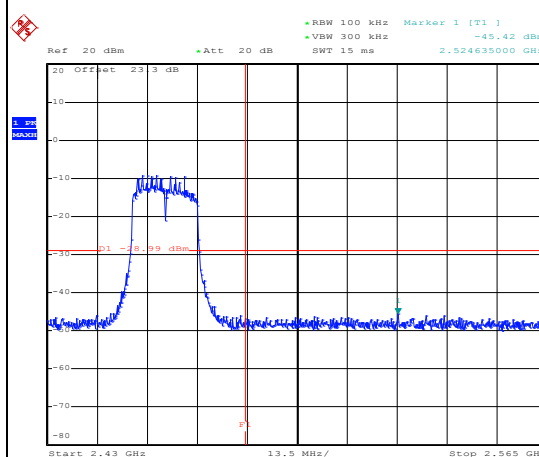
WLAN 802.11ac VHT20 Channel 11

100kHz PSD reference Level



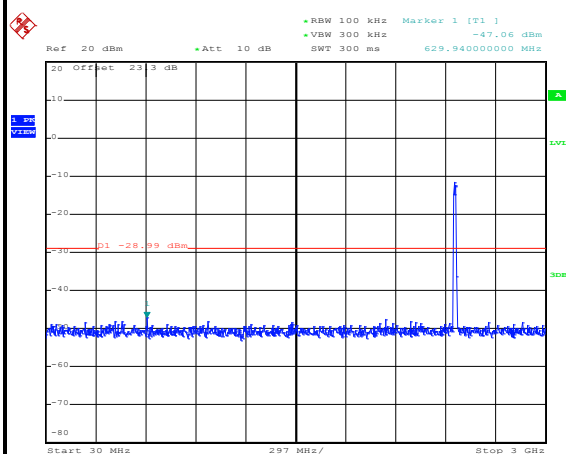
Date: 20.JUL.2016 11:37:38

High Channel Plot



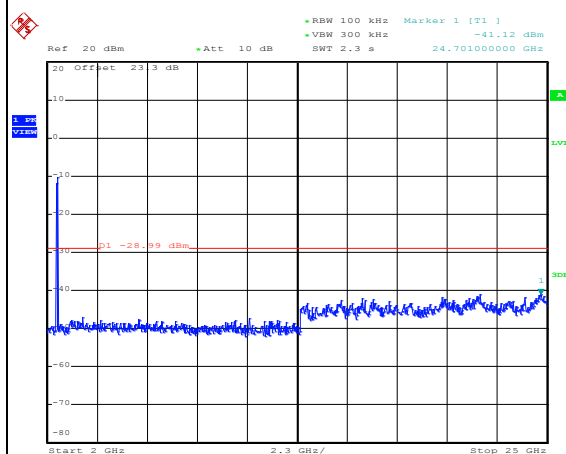
Date: 20.JUL.2016 11:37:55

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:38:06

Spurious Emission 2GHz~25GHz



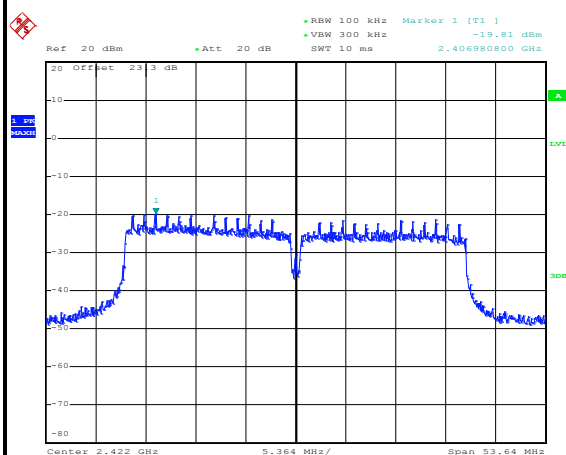
Date: 20.JUL.2016 11:38:15



Number of TX	2	Ant. :	2
Test Mode :	802.11ac VHT40	Temperature :	21~25°C
Test Band :	2.4GHz Low	Relative Humidity :	51~54%
Test Channel :	03	Test Engineer :	Bill Kuo

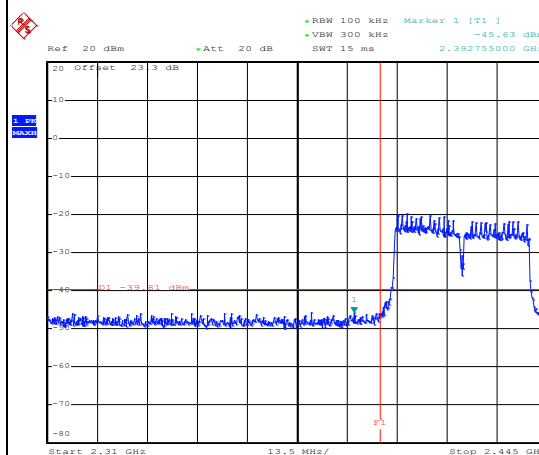
WLAN 802.11ac VHT40 Channel 03

100kHz PSD reference Level



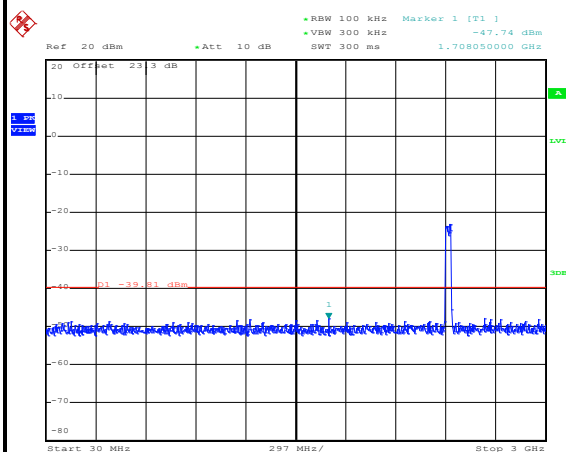
Date: 20.JUL.2016 11:56:40

Low Channel Plot



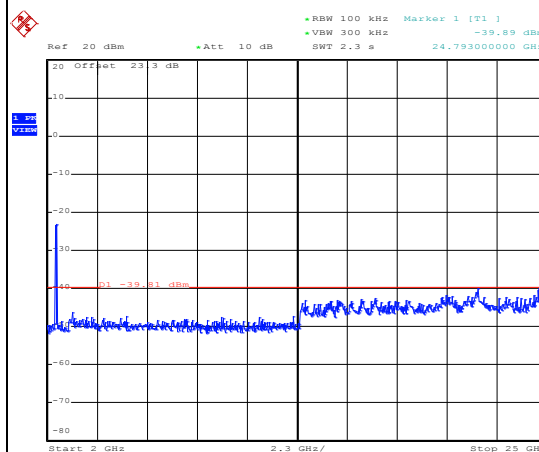
Date: 20.JUL.2016 11:56:58

Spurious Emission 30MHz~3GHz



Date: 20.JUL.2016 11:57:10

Spurious Emission 2GHz~25GHz



Date: 20.JUL.2016 11:57:18