


# TEST REPORT

<b>DT&amp;C Co., Ltd.</b> 42, Yurim-ro, 154Beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea Tel : 031-321-2664, Fax : 031-321-1664	Report No : DRTFCC1610-0136 Pages:(1) / (92) page	
<p>1. Customer</p> <ul style="list-style-type: none"><li>• Name : LG Innotek Co.,Ltd.</li><li>• Address : 26, Hanamsandan 5beon-ro Gwangsan-gu, Gwangju, South Korea 506-731</li></ul> <p>2. Use of Report : FCC &amp; IC Original Grant</p> <p>3. Product Name (FCC ID / IC): Non LCD FHD-HD DASHCAM (YZP-LGD521 / 7414C-LGD521)</p> <p>4. Date of Test : 2016-10-05 ~ 2016-10-07</p> <p>5. Test Method Used : FCC Part 15 Subpart C 247 RSS-247 Issue 1 (2015-05), RSS-GEN Issue 4 (2014-11)</p> <p>6. Testing Environment : See appended test report</p> <p>7. Test Result : <input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail</p> <p>The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.</p>		
Affirmation	Tested by Name : Chulmin KIM (Signature)	Technical Manager Name : GeunKi Son (Signature)
<p style="text-align: center;"><b>2016 . 10 . 14 .</b></p> <p style="text-align: center;"><b>DT&amp;C Co., Ltd.</b></p>		

\* If this test report is required to confirmation of authenticity, please contact to [report@dtnc.net](mailto:report@dtnc.net)

## Test Report Version

Test Report No.	Date	Description
DRTFCC1610-0136	Oct. 14, 2016	Initial issue

# Table of Contents

<b>1. GENERAL INFORMATION .....</b>	<b>4</b>
<b>2.1 EUT DESCRIPTION .....</b>	<b>4</b>
<b>2.2 Measurement Uncertainty .....</b>	<b>5</b>
<b>3. SUMMARY OF TESTS .....</b>	<b>5</b>
<b>4. TEST METHODOLOGY .....</b>	<b>6</b>
4.1 EUT CONFIGURATION .....	6
4.2 EUT EXERCISE .....	6
4.3 GENERAL TEST PROCEDURES .....	6
4.4 DESCRIPTION OF TEST MODES.....	6
<b>5. INSTRUMENT CALIBRATION .....</b>	<b>7</b>
<b>6. FACILITIES AND ACCREDITATIONS.....</b>	<b>7</b>
6.1 FACILITIES .....	7
6.2 EQUIPMENT .....	7
<b>7. ANTENNA REQUIREMENTS.....</b>	<b>7</b>
<b>8. TEST RESULT .....</b>	<b>8</b>
8.1 6 dB Bandwidth .....	8
8.2 Maximum Peak Conducted Output Power .....	17
8.3 Maximum Power Spectral Density .....	20
8.4 Out of Band Emissions at the Band Edge / Conducted Spurious Emissions.....	29
8.5 Radiated Spurious Emissions .....	62
8.6 Power-line conducted emissions .....	68
<b>9. LIST OF TEST EQUIPMENT.....</b>	<b>69</b>
<b>APPENDIX I .....</b>	<b>79</b>
<b>APPENDIX II .....</b>	<b>80</b>
<b>APPENDIX III .....</b>	<b>82</b>

## 1. GENERAL INFORMATION

**Applicant** : LG Innotek Co.,Ltd.  
**Address** : 26, Hanamsandan 5beon-ro Gwangsan-gu, Gwangju, South Korea 506-731  
**FCC ID** : YZP-LGD521  
**IC** : 7414C-LGD521  
**EUT** : Non LCD FHD-HD DASHCAM  
**Model** : LGD521  
**Additional Model(s)** : NA  
**Date of Test** : 2016-10-05 ~ 2016-10-07  
**Contact person** : Jeong Inchang

## 2.1 EUT DESCRIPTION

<b>Product</b>	Non LCD FHD-HD DASHCAM
<b>Model Name</b>	LGD521
<b>Power Supply</b>	DC 12 V, 24 V * Power supply to the RF module of DC 12 V and DC 24 V is same (DC 3.3V).so test was performed only DC 12 V.
<b>Hardware version</b>	1.0
<b>Software version</b>	1.0.684
<b>Frequency Range</b>	2.4GHz Band ▪ 802.11b/g/n(20 MHz) : 2412 MHz ~ 2462 MHz ▪ 802.11n(40 MHz) : 2422 MHz ~ 2452 MHz
<b>Max. RF Output Power</b>	2.4GHz Band ▪ 802.11b : 7.65 dBm ▪ 802.11g : 9.85 dBm ▪ 802.11n (HT20) : 9.12 dBm ▪ 802.11n (HT40) : 7.98 dBm
<b>Modulation Type</b>	802.11b : DSSS/CCK 802.11g/n : OFDM
<b>Antenna Specification</b>	Internal Antenna (1TX ,1RX) ▪ 2.4GHz Band Max. peak gain : -0.590 dBi

## 2.2 Measurement Uncertainty

Test items	Measurement uncertainty
Transmitter Output Power	0.71 dB (The confidence level is about 95 %, k = 2)
Conducted spurious emission	0.93 dB (The confidence level is about 95 %, k = 2)
Radiated spurious emission (1 GHz Below)	5.1 dB (The confidence level is about 95 %, k = 2)
Radiated spurious emission (1 GHz ~ 18 GHz)	5.4 dB (The confidence level is about 95 %, k = 2)
Radiated spurious emission (18 GHz Above)	5.3 dB (The confidence level is about 95 %, k = 2)

## 3. SUMMARY OF TESTS

FCC Part	RSS Std.	Parameter	Limit	Test Condition	Status Note 1
15.247(a)	RSS-247 [5.2]	6 dB Bandwidth	> 500 kHz	Conducted	<b>C</b>
15.247(b)	RSS-247 [5.4]	Transmitter Output Power	< 1 Watt		<b>C</b>
15.247(d)	RSS-247 [5.5]	Out of Band Emissions / Band Edge	20 dBc in any 100 kHz BW		<b>C</b>
15.247(e)	RSS-247 [5.2]	Transmitter Power Spectral Density	< 8 dBm/3 kHz		<b>C</b>
-	RSS-Gen [6.6]	Occupied Bandwidth (99 %)	RSS-Gen(6.6)		<b>C</b>
15.247(d) 15.205 15.209	RSS-247 [5.5] RSS-GEN [8.9] RSS-GEN [8.10]	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	FCC 15.209 limits	Radiated	<b>C</b> Note 2
15.207	RSS-Gen [8.8]	AC Line Conducted Emissions	FCC 15.207 limits	AC Line Conducted	<b>NA</b> Note 3
15.203	-	Antenna Requirements	FCC 15.203	-	<b>C</b>

Note 1: **C**=Comply **NC**=Not Comply **NT**=Not Tested **NA**=Not Applicable

Note 2: This test item was performed in each axis and the worst case data was reported.

Note 3: This device is installed in a car. Therefore the power source is a battery of car.

## 4. TEST METHODOLOGY

Generally the tests were performed according to the [KDB558074 D01 v03r05](#). And [ANSI C63.10-2013](#) was used to reference appropriate EUT setup and maximizing procedures of radiated spurious emission and AC line conducted emission testing.

### 4.1 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

### 4.2 EUT EXERCISE

The EUT was operated in the test mode to fix the TX frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

### 4.3 GENERAL TEST PROCEDURES

#### Conducted Emissions

The power-line conducted emission test procedure is not described on the KDB 558074. So this test was fulfilled with the requirements in Section 6.2 of ANSI C63.10.

The EUT is placed on the wooden table, which is 0.8 m above ground plane and the conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-peak and Average detector.

#### Radiated Emissions

Basically the radiated tests were performed with KDB 558074. But some requirements and procedures like test site requirements, EUT setup and maximizing procedure were fulfilled with the requirements in Section 5 and 6 of the ANSI C63.10 as stated on section 12.1 of the KDB 558074.

The EUT is placed on a non-conductive table. For emission measurements at or below 1 GHz, the table height is 80 cm. For emission measurements above 1 GHz, the table height is 1.5 m. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the highest emission, the relative positions of the EUT were rotated through three orthogonal axes.

### 4.4 DESCRIPTION OF TEST MODES

The EUT has been tested with all modes of operating conditions to determine the worst case emission characteristics. A test program is used to control the EUT for staying in continuous transmitting mode.

## 5. INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipments, which is traceable to recognized national standards.

## 6. FACILITIES AND ACCREDITATIONS

### 6.1 FACILITIES

The open area test site (OATS) or semi anechoic chamber and conducted measurement facility used to collect the radiated and conducted test data are located at the 42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 449-935. The site is constructed in conformance with the requirements.

- **Semi anechoic chamber registration Number: 165783(FCC) & 5740A-3(IC)**

### 6.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and peak, quasi-peak detectors are used to perform radiated measurements. Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

## 7. ANTENNA REQUIREMENTS

### 7.1 According to FCC 47 CFR §15.203:

An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

**The internal antenna was permanently printed on the main PCB. (Refer to Internal Photo file.)  
Therefore this E.U.T Complies with the requirement of §15.203.**

## 8. TEST RESULT

### 8.1 6 dB Bandwidth

#### Test Requirements and limit, §15.247(a)

The bandwidth at 6 dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the receive antenna while the EUT is operating in transmission mode at the appropriate frequencies.

**The minimum permissible 6 dB bandwidth is 500 kHz.**

#### ■ TEST CONFIGURATION

Refer to the APPENDIX I.

#### ■ TEST PROCEDURE

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of **KDB558074**

1. Set resolution bandwidth (RBW) = 100 kHz.
2. Set the video bandwidth (VBW)  $\geq 3 \times$  RBW.  
(RBW : 100 kHz / VBW : 300 kHz)
3. Detector = **Peak**.
4. Trace mode = **Max hold**.
5. Sweep = **Auto couple**.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### ■ TEST RESULTS: **Comply**

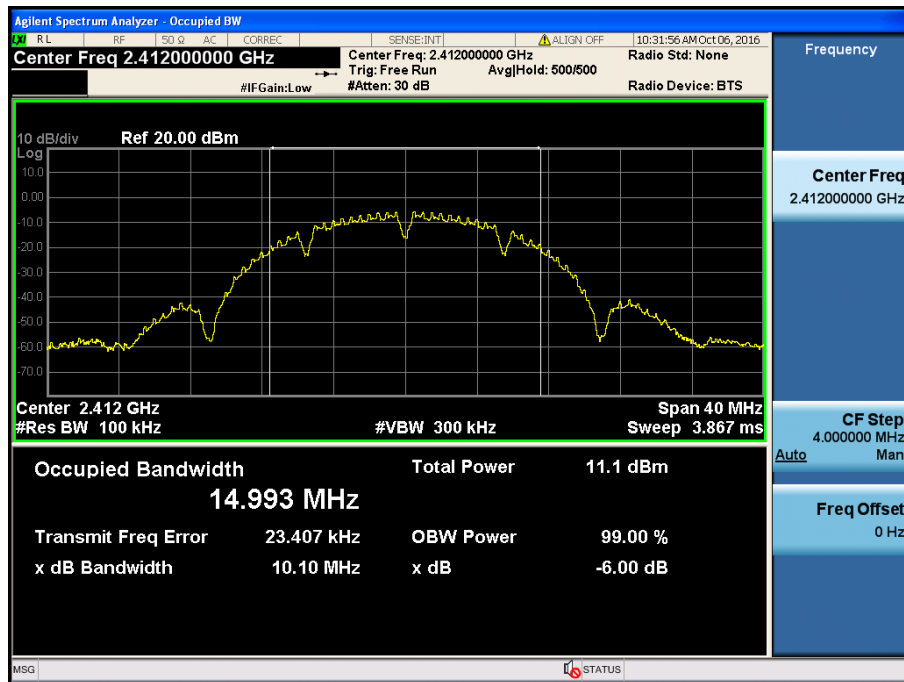
Test Mode	Data Rate	Frequency [MHz]	Test Results [MHz]
802.11b	1 Mbps	2412	10.100
		2437	10.090
		2462	10.100
802.11g	54 Mbps	2412	16.580
		2437	16.570
		2462	16.580
802.11n (20 MHz)	MCS 0	2412	17.880
		2437	17.880
		2462	17.880
802.11n (40 MHz)	MCS 0	2422	36.350
		2437	36.390
		2452	36.420



## ■ RESULT PLOTS

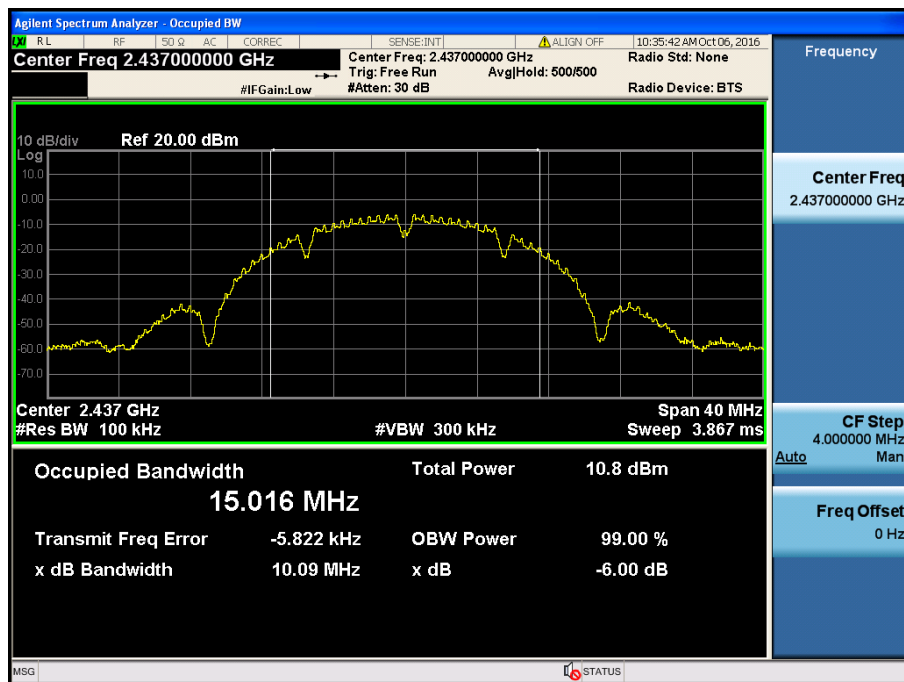
## 6 dB Bandwidth

Test Mode: 802.11b &amp; 1 Mbps &amp; 2412 MHz



## 6 dB Bandwidth

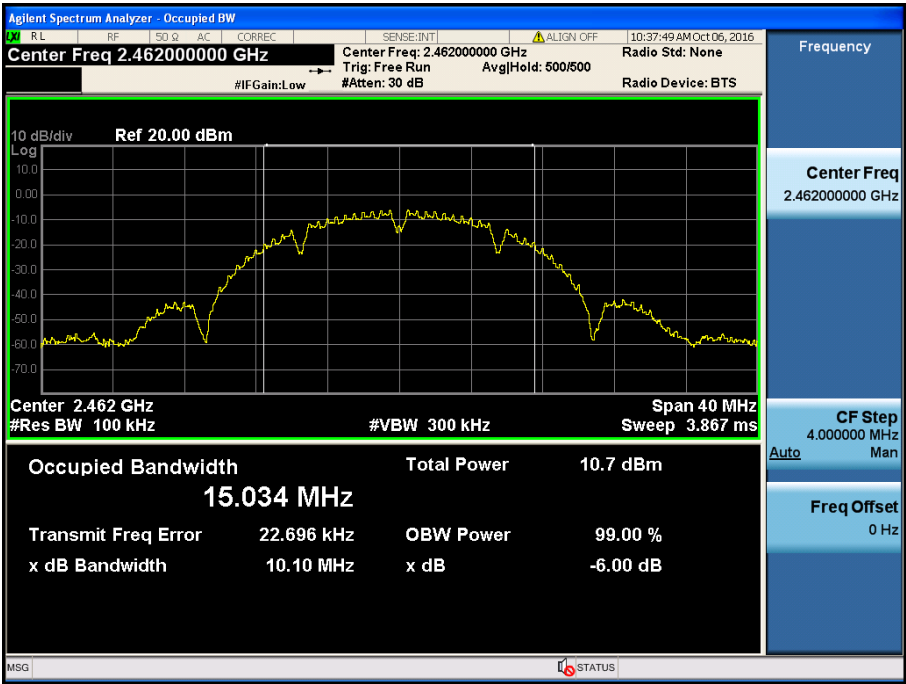
Test Mode: 802.11b &amp; 1 Mbps &amp; 2437 MHz





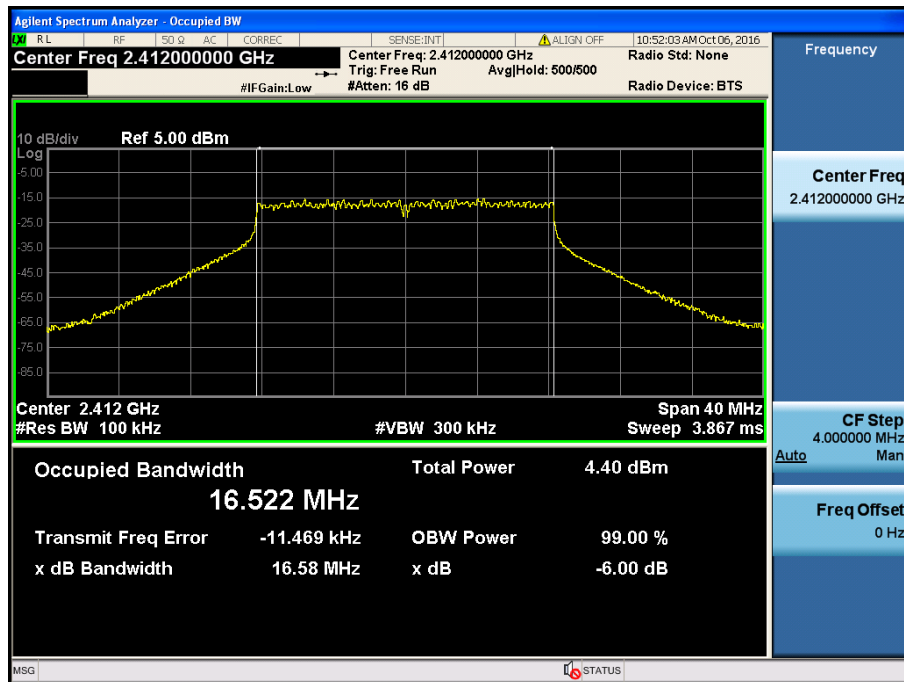
6 dB Bandwidth

Test Mode: 802.11b & 1 Mbps & 2462 MHz



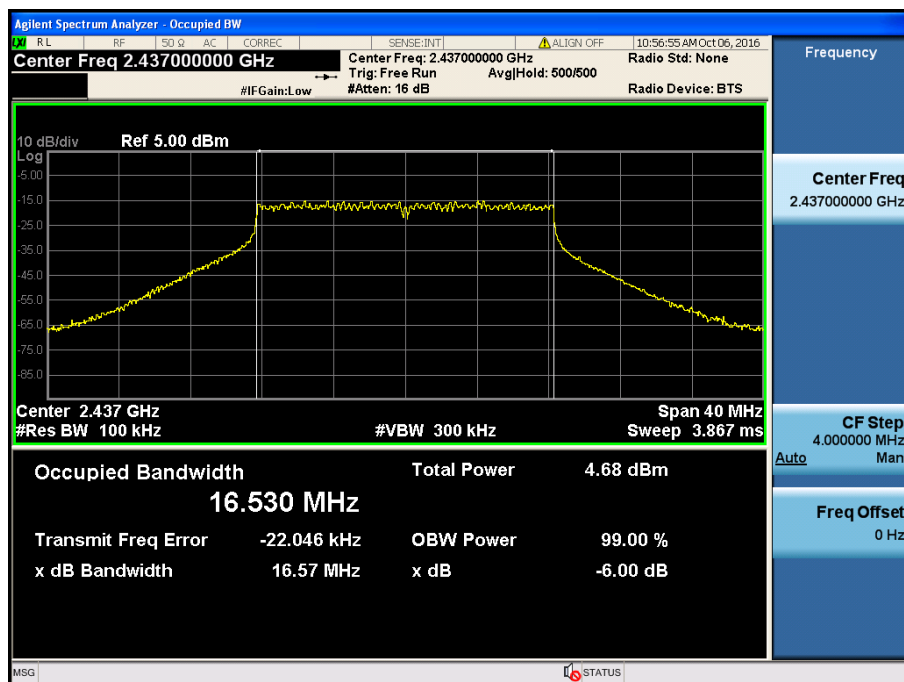
## 6 dB Bandwidth

Test Mode: 802.11g &amp; 54 Mbps &amp; 2412 MHz



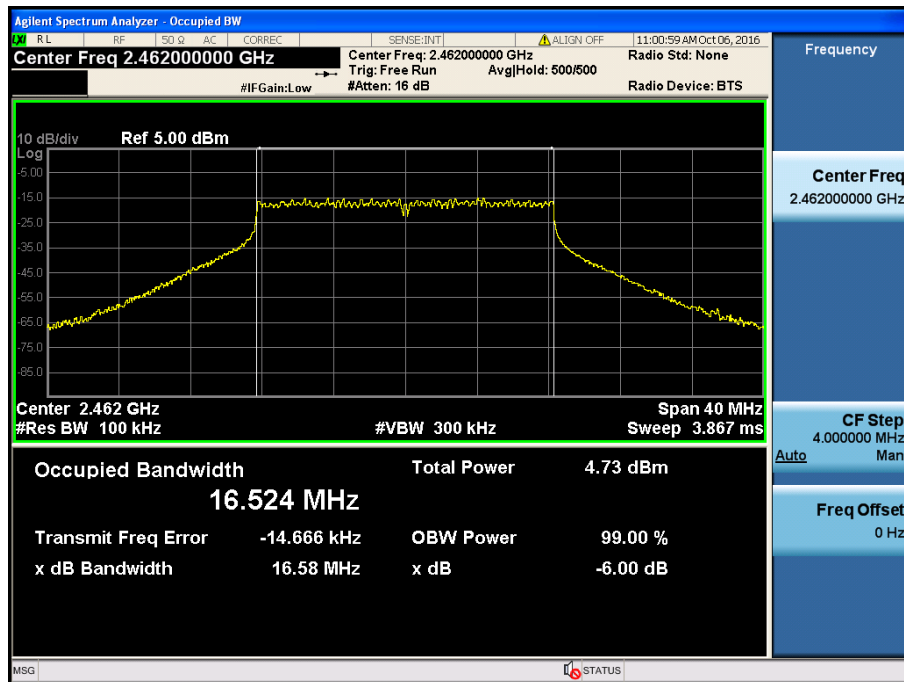
## 6 dB Bandwidth

Test Mode: 802.11g &amp; 54 Mbps &amp; 2437 MHz



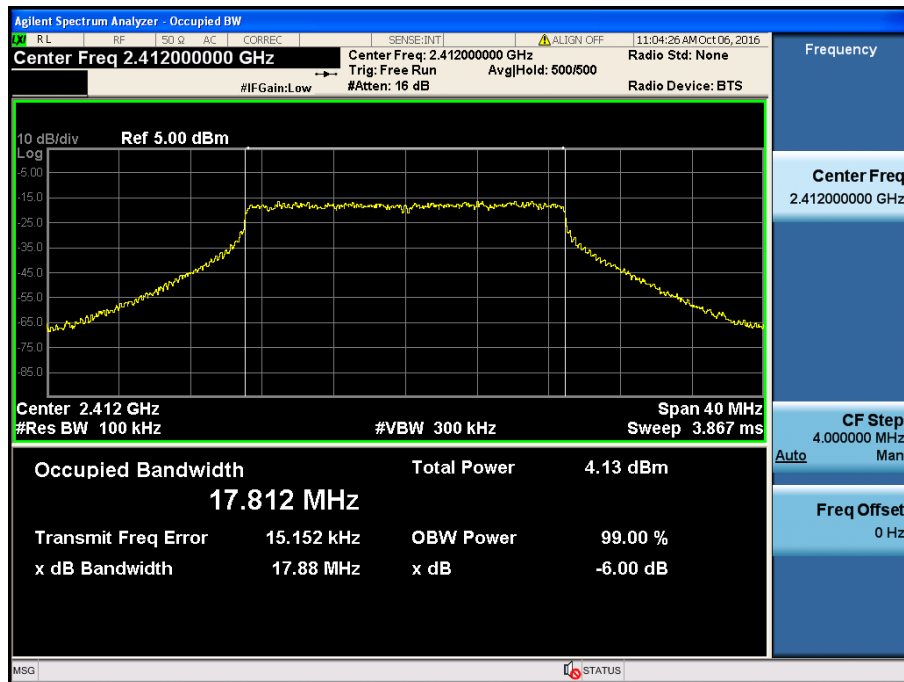
## 6 dB Bandwidth

Test Mode: 802.11g &amp; 54 Mbps &amp; 2462 MHz



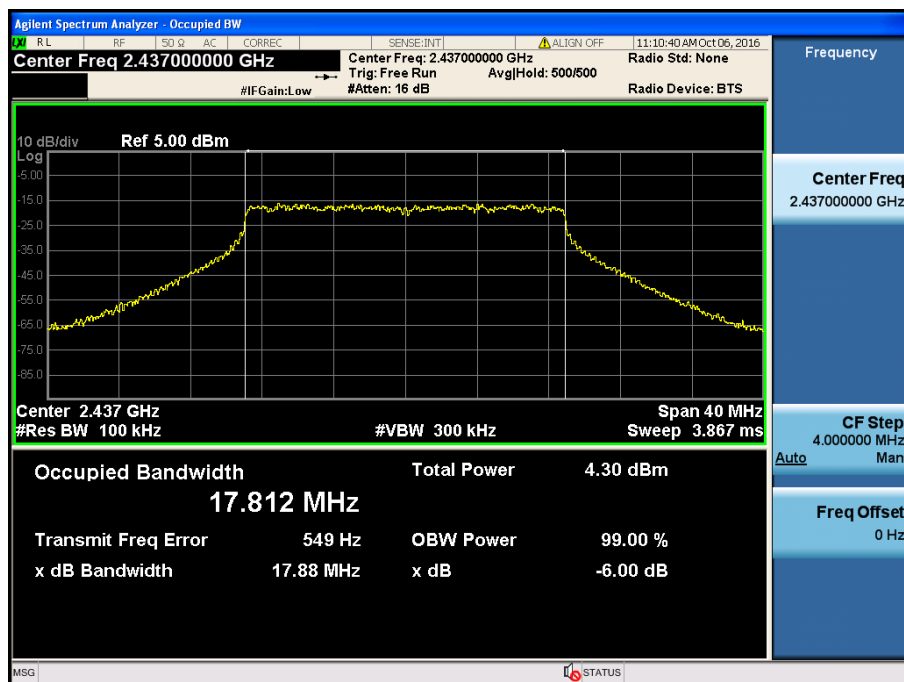
## 6 dB Bandwidth

Test Mode: 802.11n(HT20) &amp; MCS 0 &amp; 2412 MHz



## 6 dB Bandwidth

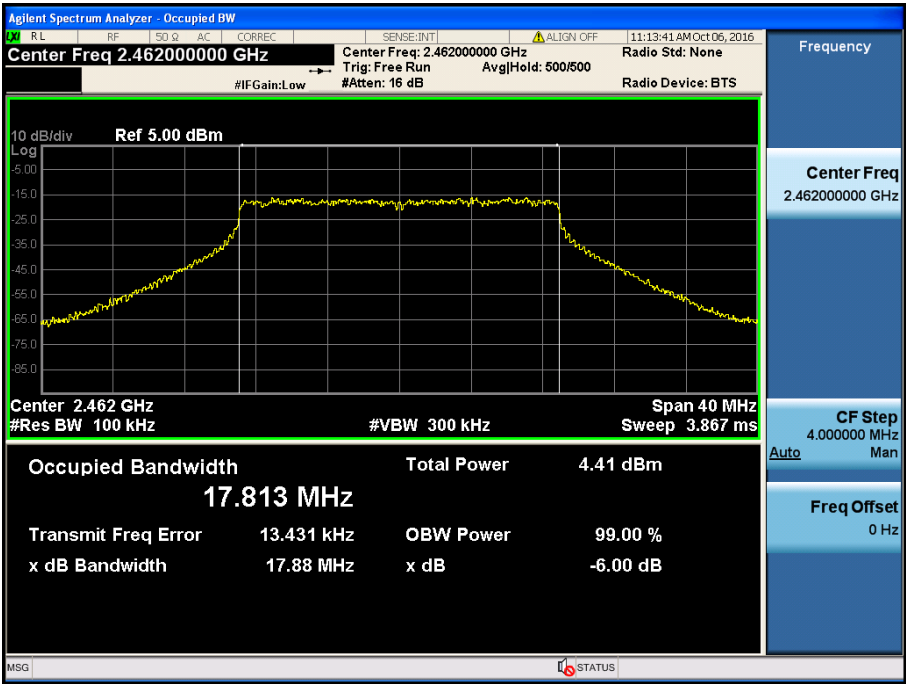
Test Mode: 802.11n(HT20) &amp; MCS 0 &amp; 2437 MHz





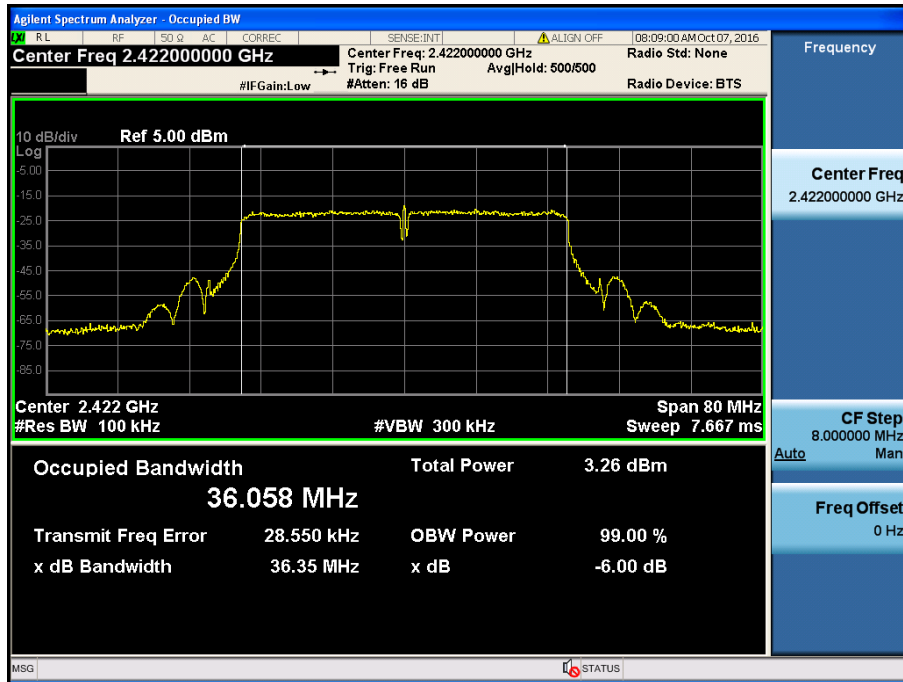
6 dB Bandwidth

Test Mode: 802.11n(HT20) & MCS 0 & 2462 MHz



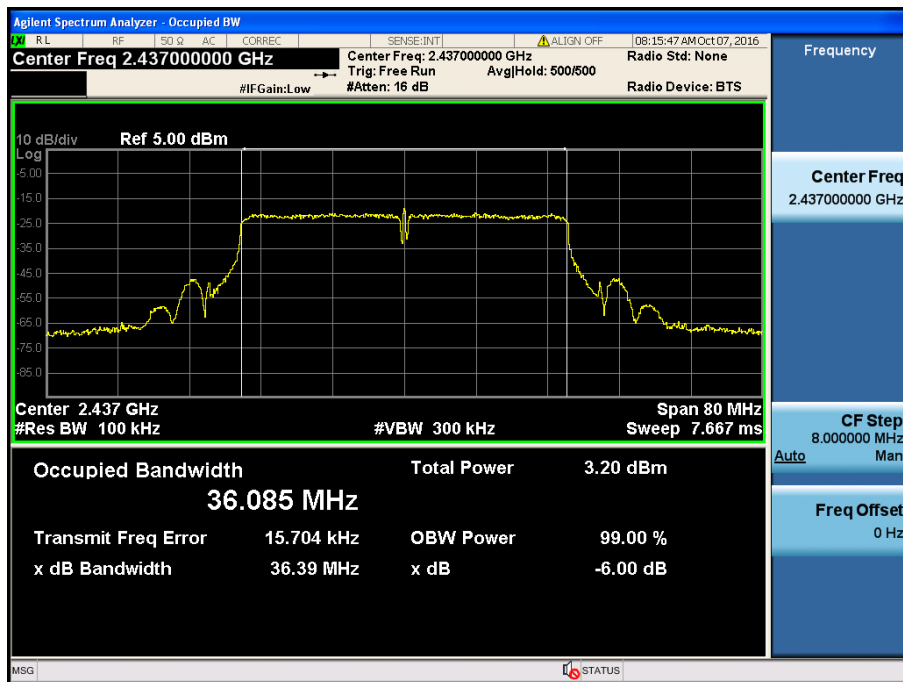
## 6 dB Bandwidth

Test Mode: 802.11n(HT40) &amp; MCS 0 &amp; 2422 MHz



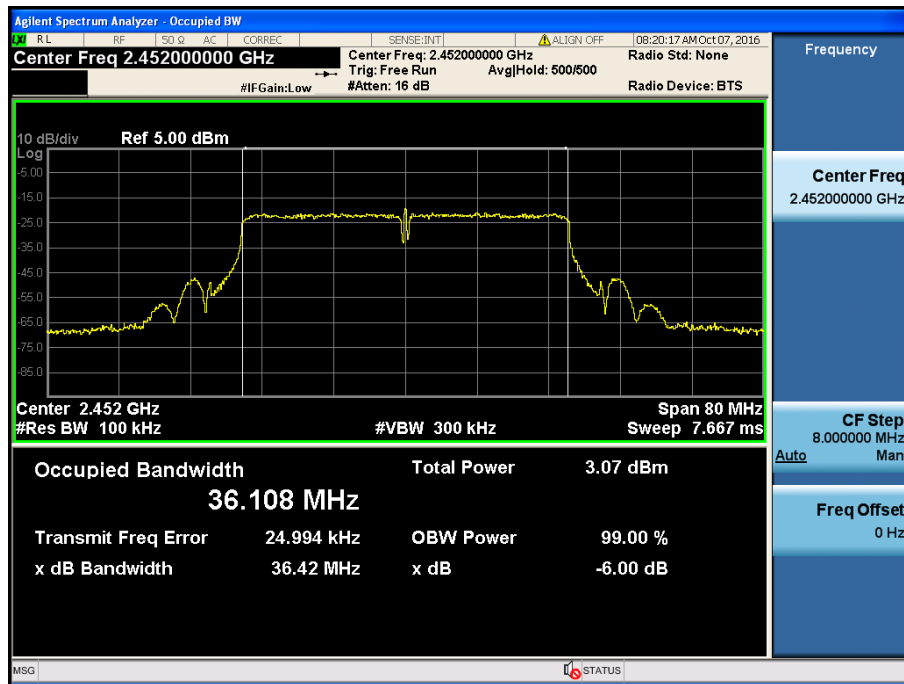
## 6 dB Bandwidth

Test Mode: 802.11n(HT40) &amp; MCS 0 &amp; 2437 MHz



## 6 dB Bandwidth

Test Mode: 802.11n(HT40) &amp; MCS 0 &amp; 2452 MHz



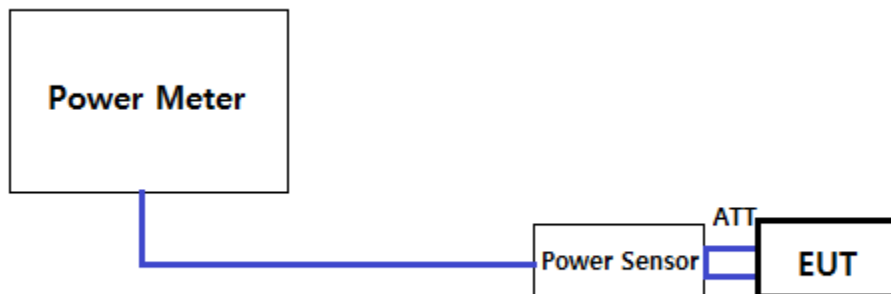


## 8.2 Maximum Peak Conducted Output Power

### Test Requirements and limit, §15.247(b)

The maximum permissible conducted output power is **1 Watt**.

#### ■ TEST CONFIGURATION



#### ■ TEST PROCEDURE

##### 1. PKPM1 Peak power meter method of KDB558074

The maximum conducted output powers were measured using a broadband peak RF power meter which has greater video bandwidth than DUT's DTS bandwidth and utilize a fast-responding diode detector.

##### 2. Method AVGPM-G (Measurement using a gated RF average power meter) of KDB558074

The average conducted output powers were measured using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since this measurement is made only during the ON time of the transmitter, no duty cycle correction is required.

■ TEST RESULTS: **Comply**

- Measurement Data:

- Test Results

Mode	Channel	Frequency [MHz]	Detector	Test Result [dBm]							
				DATA RATE [Mbps]							
				1	2	5.5	11	NA	NA	NA	NA
802.11b	1	2412	PK	6.91	6.88	6.79	-	-	-	-	-
			AV	4.31	4.28	4.21	-	-	-	-	-
	6	2437	PK	7.49	7.38	7.29	-	-	-	-	-
			AV	5.02	4.95	4.89	-	-	-	-	-
	11	2462	PK	7.65	7.61	7.58	-	-	-	-	-
			AV	5.13	5.09	4.92	-	-	-	-	-

Mode	Channel	Frequency [MHz]	Detector	Test Result [dBm]							
				DATA RATE [Mbps]							
				6	9	12	18	24	36	48	54
802.11g	1	2412	PK	-	-	-	-	-	-	-	9.28
			AV	-	-	-	-	-	-	-	-1.31
	6	2437	PK	-	-	-	-	-	-	-	9.81
			AV	-	-	-	-	-	-	-	-0.88
	11	2462	PK	-	-	-	-	-	-	-	9.85
			AV	-	-	-	-	-	-	-	-0.77

Mode	Channel	Frequency [MHz]	Detector	Test Result [dBm]							
				DATA RATE [MCS]							
				0	1	2	3	4	5	6	7
802.11n (HT20)	1	2412	PK	8.14	8.06	7.95	7.85	7.82	7.83	7.77	7.64
			AV	-1.14	-1.18	-1.21	-1.23	-1.29	-1.33	-1.38	-1.39
	6	2437	PK	9.12	9.05	8.85	8.82	8.75	8.68	8.62	8.54
			AV	-0.35	-0.49	-0.52	-0.68	-0.78	-0.85	-0.91	-1.01
	11	2462	PK	8.74	8.68	8.64	8.59	8.52	8.49	8.43	8.28
			AV	-0.67	-0.75	-0.82	-0.85	-0.91	-0.95	-1.01	-1.08

Mode	Channel	Frequency [MHz]	Detector	Test Result [dBm]							
				DATA RATE [MCS]							
				0	1	2	3	4	5	6	7
802.11n (HT40)	3	2422	PK	7.34	7.28	7.21	7.08	6.98	6.92	6.85	6.82
			AV	-2.22	-2.32	-2.35	-2.44	-2.51	-2.58	-2.61	-2.64
	6	2437	PK	7.98	7.92	7.85	7.82	7.79	7.68	7.62	7.55
			AV	-1.88	-1.92	-1.95	-1.98	-2.03	-2.08	-2.11	-2.15
	9	2452	PK	7.46	7.41	7.38	7.35	7.29	7.18	7.15	7.05
			AV	-2.16	-2.19	-2.21	-2.25	-2.31	-2.38	-2.41	-2.45

### 8.3 Maximum Power Spectral Density

#### Test requirements and limit, §15.247(e)

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

#### ■ TEST CONFIGURATION

Refer to the APPENDIX I.

#### ■ Test Procedure

Method PKPSD of KDB558074 is used.

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to **1.5 times** the DTS bandwidth.
3. Set the RBW to : **3 kHz ≤ RBW ≤ 100 kHz**
4. Set the VBW ≥ **3 x RBW**
5. Detector = **Peak**
6. Sweep time = **Auto couple**
7. Trace mode = **Max hold**.
8. Allow trace to fully stabilize.
9. Use the **peak marker function** to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

#### ■ TEST RESULTS: **Comply**

Test Mode	Data Rate	Frequency [MHz]	RBW	PKPSD [dBm]
802.11b	1 Mbps	2412	3 kHz	-20.01
		2437	3 kHz	-19.22
		2462	3 kHz	-19.12
802.11g	54 Mbps	2412	3 kHz	-20.06
		2437	3 kHz	-19.88
		2462	3 kHz	-19.83
802.11n HT20	MCS 0	2412	3 kHz	-20.09
		2437	3 kHz	-20.01
		2462	3 kHz	-19.93
802.11n HT40	MCS 0	2422	3 kHz	-20.14
		2437	3 kHz	-20.21
		2452	3 kHz	-20.45

## ■ RESULT PLOTS

## Maximum PKPSD

Test Mode: 802.11b &amp; 1 Mbps &amp; 2412 MHz



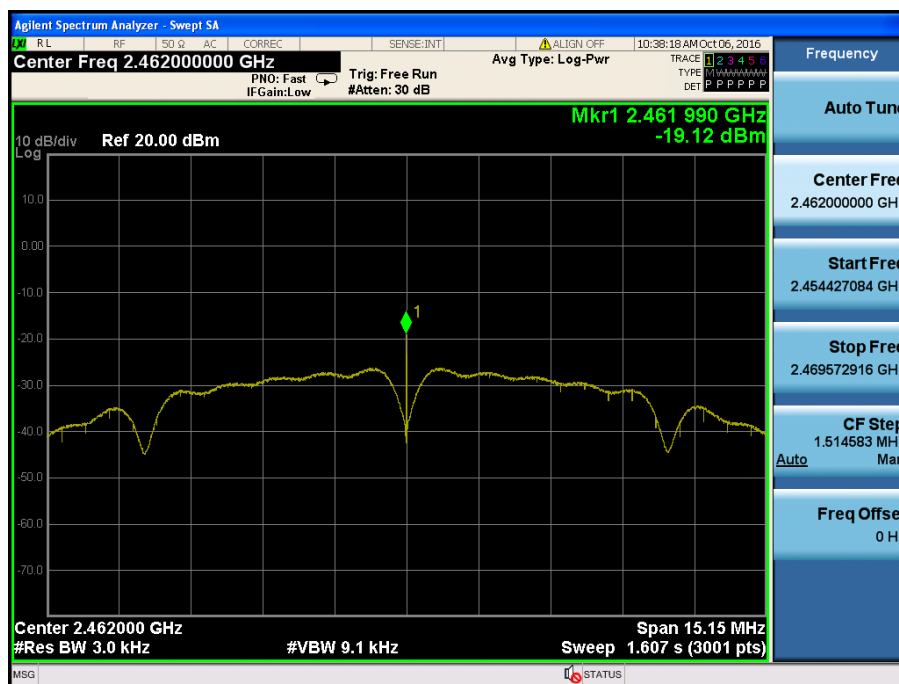
## Maximum PKPSD

Test Mode: 802.11b &amp; 1 Mbps &amp; 2437 MHz



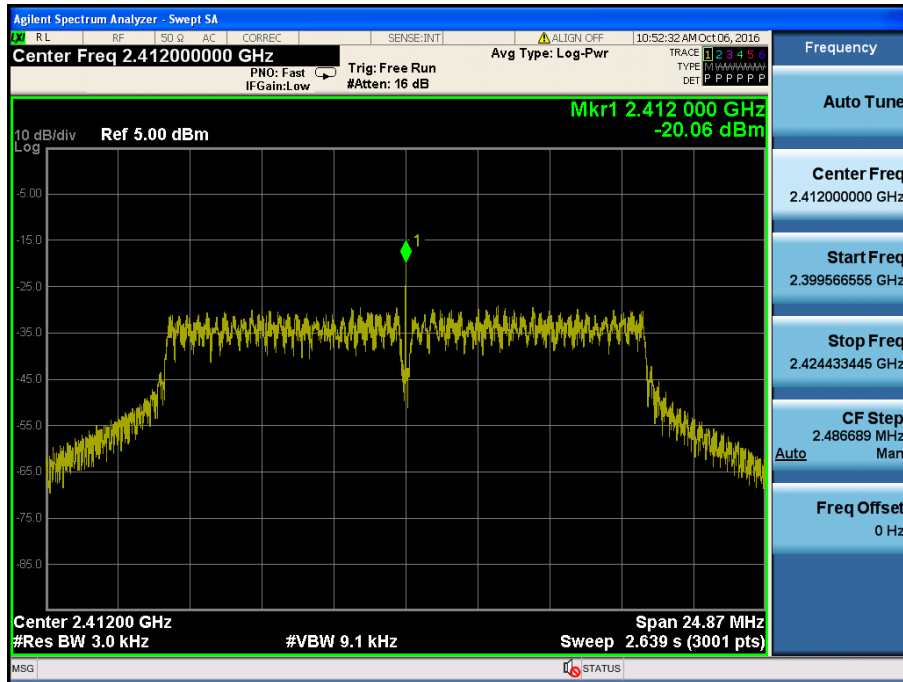
## Maximum PKPSD

Test Mode: 802.11b &amp; 1 Mbps &amp; 2462 MHz



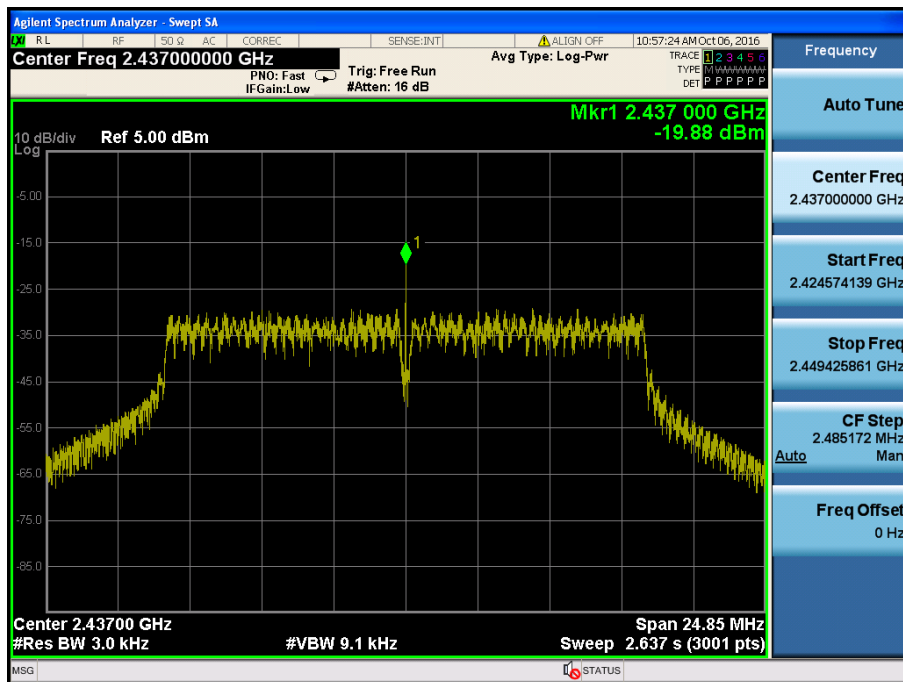
## Maximum PKPSD

Test Mode: 802.11g &amp; 54 Mbps &amp; 2412 MHz



## Maximum PKPSD

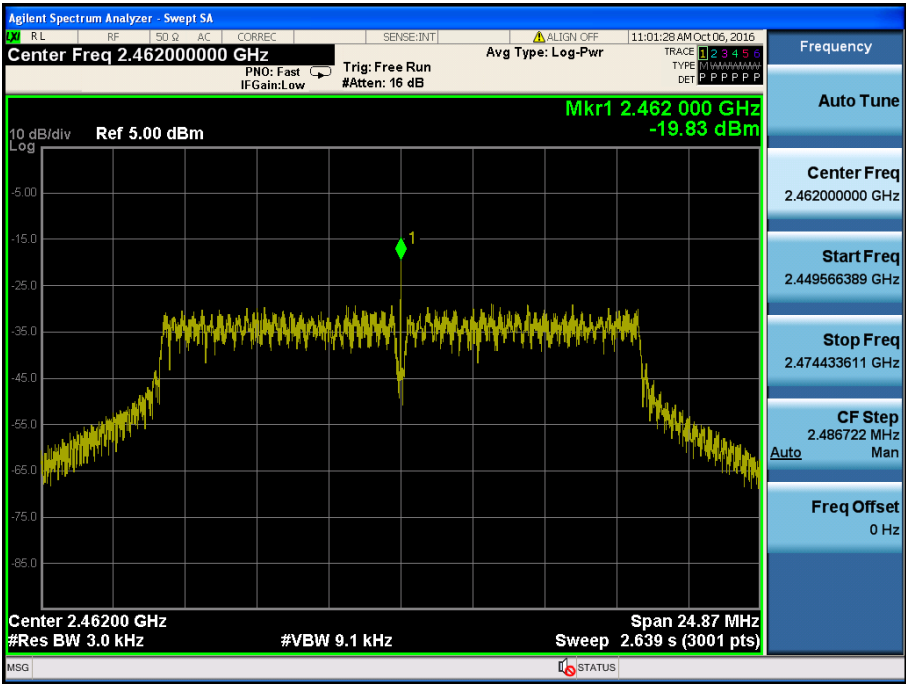
Test Mode: 802.11g &amp; 54 Mbps &amp; 2437 MHz





Maximum PKPSD

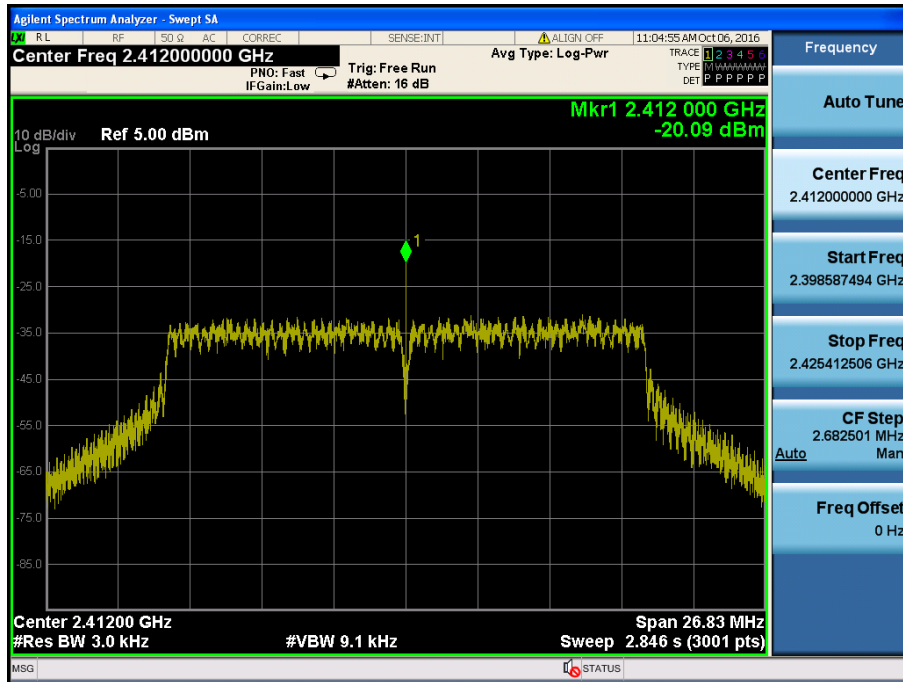
Test Mode: 802.11g & 54 Mbps & 2462 MHz





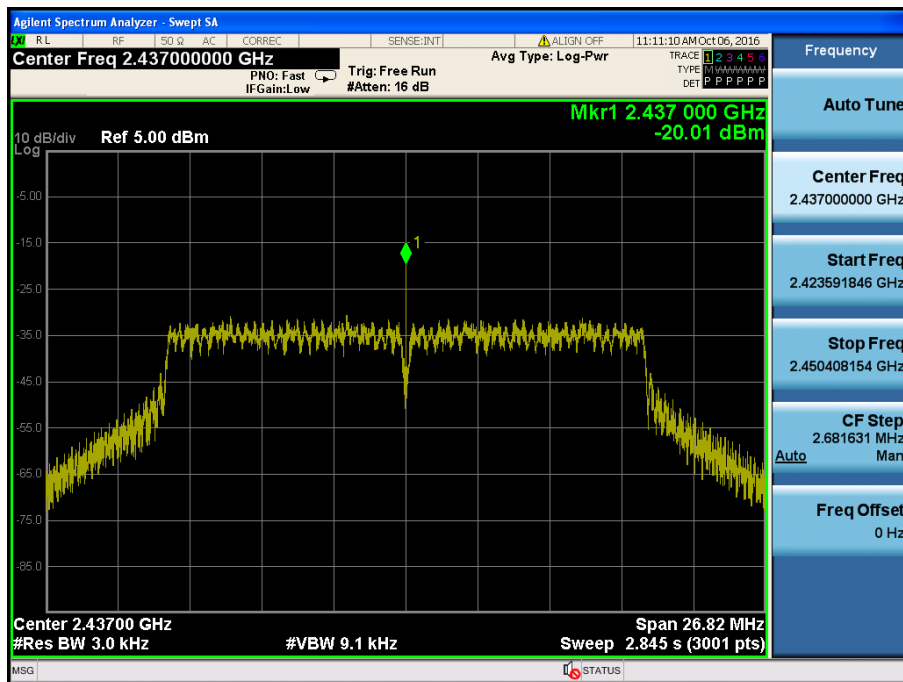
## Maximum PKPSD

Test Mode: 802.11n(HT20) &amp; MCS 0 &amp; 2412 MHz



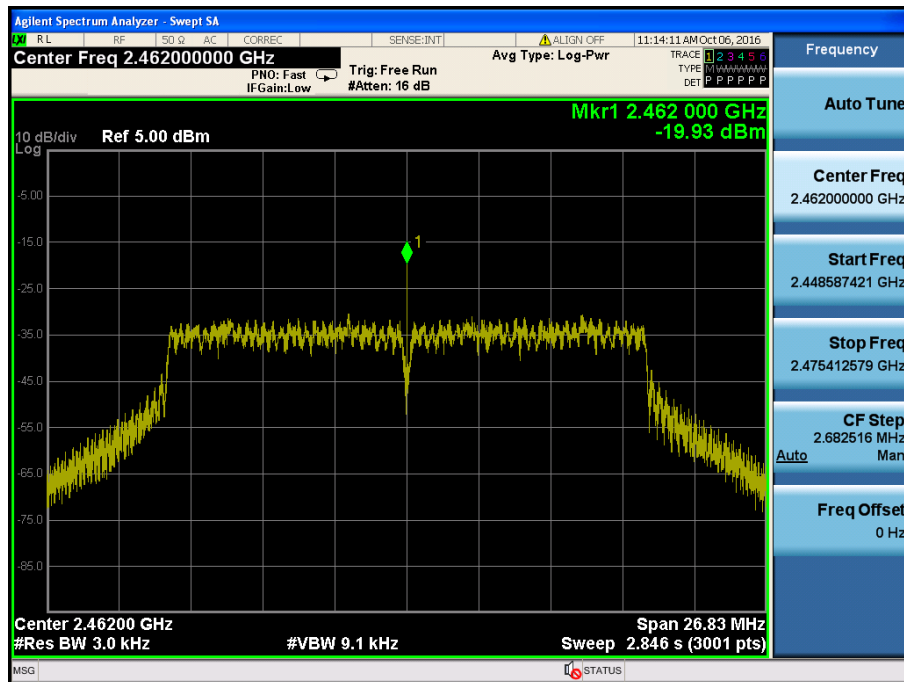
## Maximum PKPSD

Test Mode: 802.11n(HT20) &amp; MCS 0 &amp; 2437 MHz



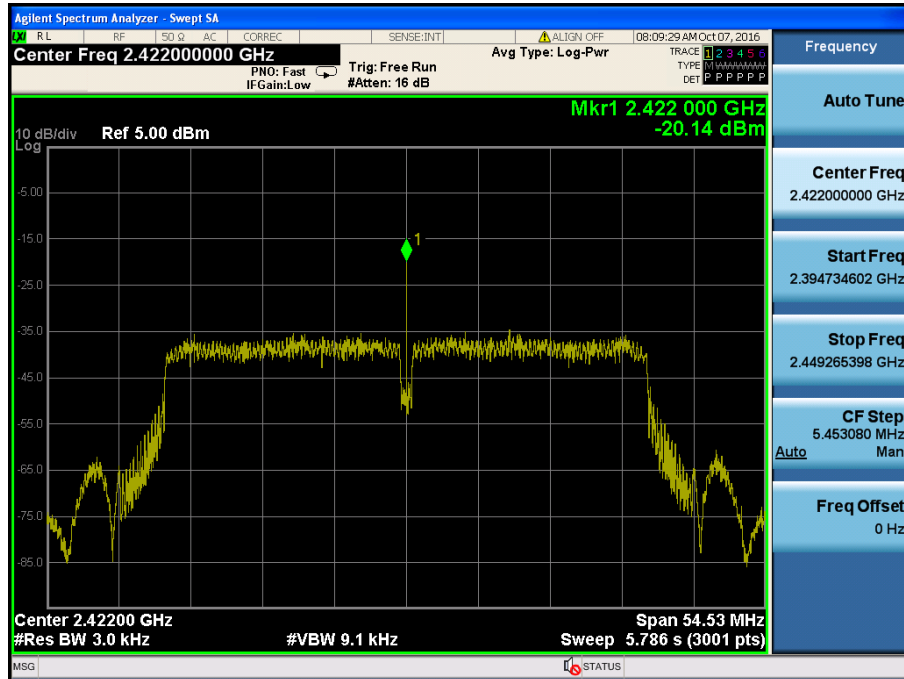
**Maximum PKPSD**

Test Mode: 802.11n(HT20) &amp; MCS 0 &amp; 2462 MHz



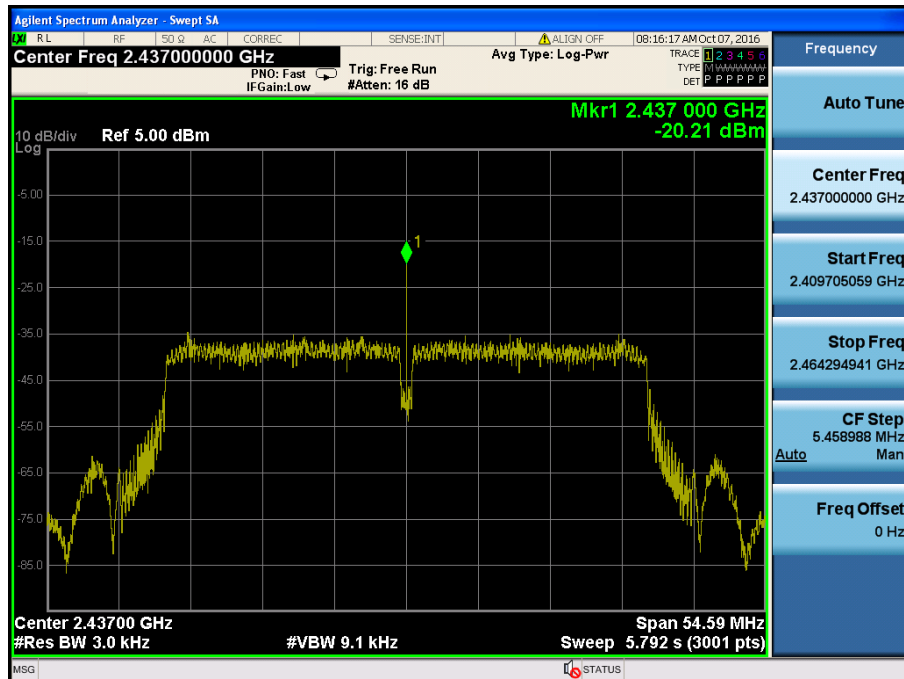
## Maximum PKPSD

Test Mode: 802.11n(HT40) &amp; MCS 0 &amp; 2422 MHz



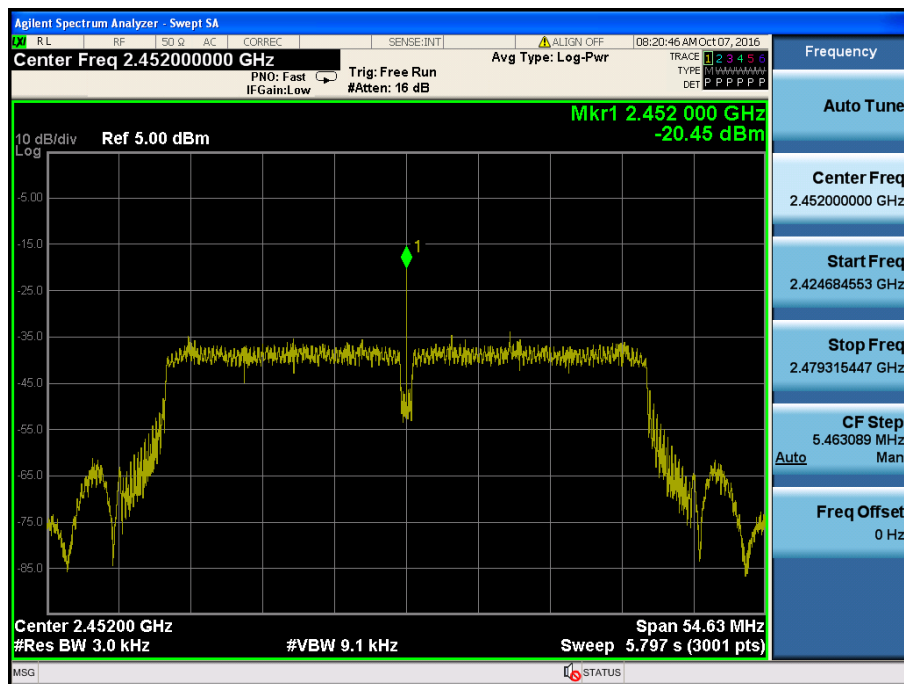
## Maximum PKPSD

Test Mode: 802.11n(HT40) &amp; MCS 0 &amp; 2437 MHz



## Maximum PKPSD

Test Mode: 802.11n(HT40) &amp; MCS 0 &amp; 2452 MHz



## 8.4 Out of Band Emissions at the Band Edge / Conducted Spurious Emissions

### Test requirements and limit, §15.247(d)

§15.247(d) specifies that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated according to the following conditions :

If the **peak output power procedure** is used to measure the fundamental emission power to demonstrate compliance to **15.247(b)(3)** requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated **by at least 20 dB** relative to the maximum measured in-band peak PSD level.

If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to **15.247(b)(3)** requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured inband average PSD level.

In either case, attenuation to levels below the general emission limits specified in **§15.209(a)** is not required.

### ■ TEST CONFIGURATION

Refer to the APPENDIX I.

### ■ TEST PROCEDURE

The transmitter output is connected to a spectrum analyzer.

#### - Measurement Procedure 1 – Reference Level

1. Set instrument center frequency to DTS channel center frequency.
2. Set the span to  $\geq 1.5$  times the DTS bandwidth.
3. Set the RBW = **100 kHz**.
4. Set the VBW  $\geq 3 \times$  RBW.
5. Detector = **Peak**.
6. Sweep time = **Auto couple**.
7. Trace mode = **Max hold**.
8. **Allow trace to fully stabilize**.
9. Use the peak marker function to determine the maximum PSD level.

#### - Measurement Procedure 2 - Unwanted Emissions

1. Set the center frequency and span to encompass frequency range to be measured.
2. Set the RBW = **100 kHz**. (**Actual 1 MHz , See below note**)
3. Set the VBW  $\geq 3 \times$  RBW. (**Actual 3 MHz, See below note**)
4. Detector = **Peak**.
5. Ensure that the number of measurement points  $\geq$  Span / RBW.
6. Sweep time = **Auto couple**.
7. Trace mode = **Max hold**.
8. **Allow the trace to stabilize**. (this may take some time, depending on the extent of the span)
9. Use the peak marker function to determine the maximum amplitude level.

**Note:** The conducted spurious emission was tested with below settings.

**Frequency range: 9 kHz ~ 30 MHz**

**RBW = 100 kHz, VBW = 300 kHz, SWEEP TIME = AUTO, DETECTOR = PEAK, TRACE = MAX HOLD, SWEEP POINT : 40001**

**Frequency range: 30 MHz ~ 10 GHz, 10 GHz ~25 GHz**

**RBW = 1 MHz, VBW = 3 MHz, SWEEP TIME = AUTO, DETECTOR = PEAK, TRACE = MAX HOLD, SWEEP POINT : 40001**

**LIMIT LINE = 20 dB below of the reference level of above measurement procedure Step 2. (RBW = 100 kHz, VBW = 300 kHz)**

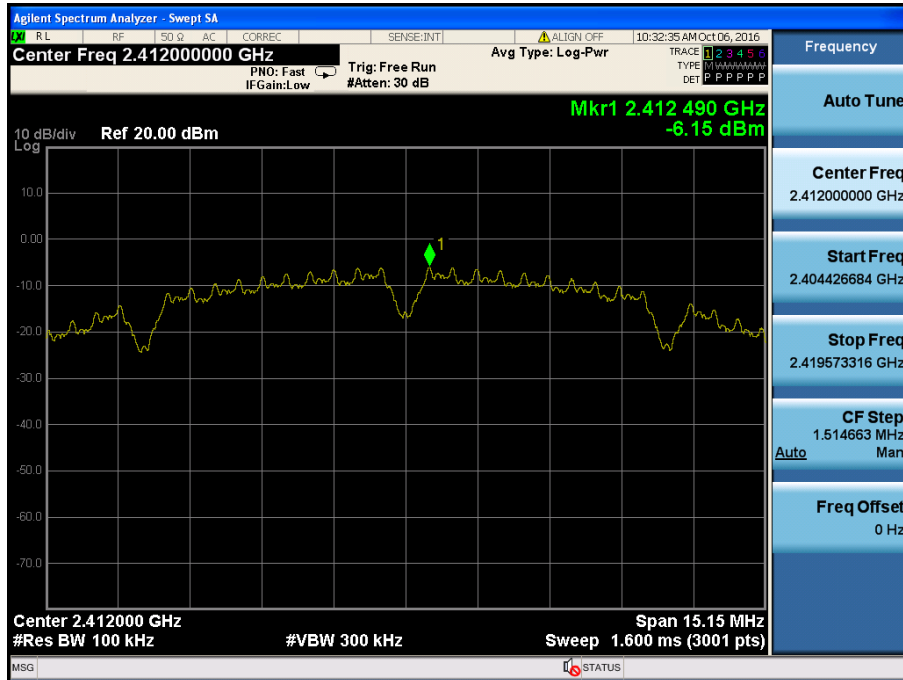
If the emission level with above setting was close to the limit (ie, less than 3 dB margin) then zoom scan is required using RBW = 100 kHz, VBW = 300 kHz, SPAN = 100 MHz and BINS = 2001 to get accurate emission level within 100 kHz BW.

Also the path loss for conducted measurement setup was used as described on the Appendix I of this test report.

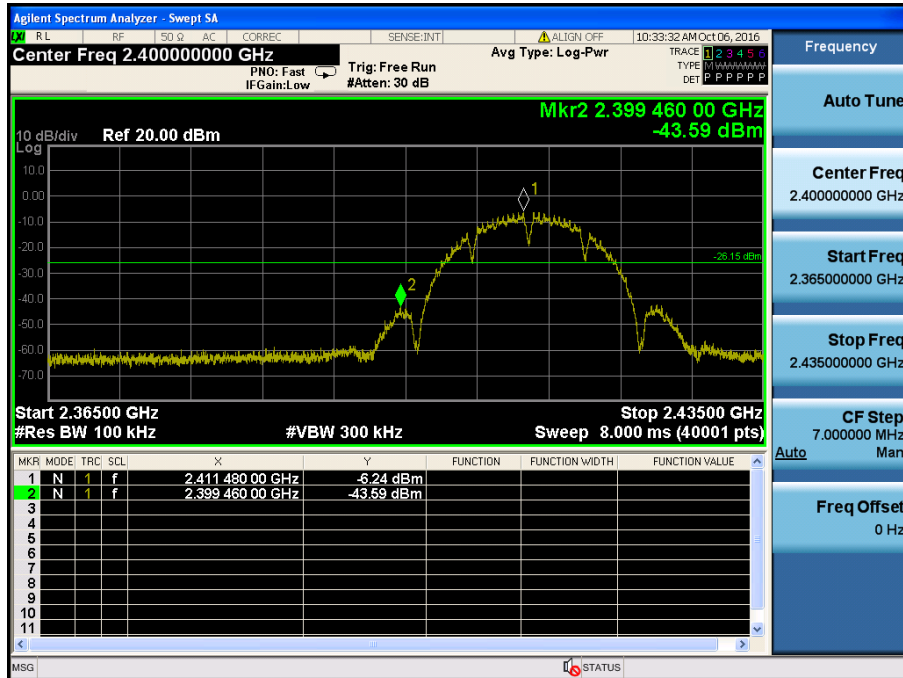
## ■ RESULT PLOTS

802.11b &amp; 1 Mbps &amp; 2412 MHz

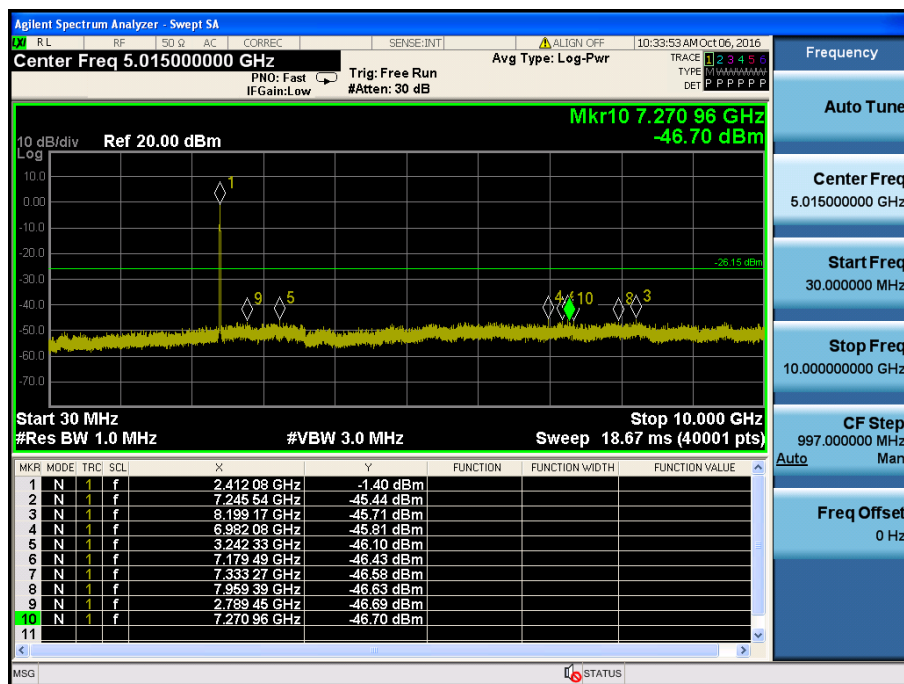
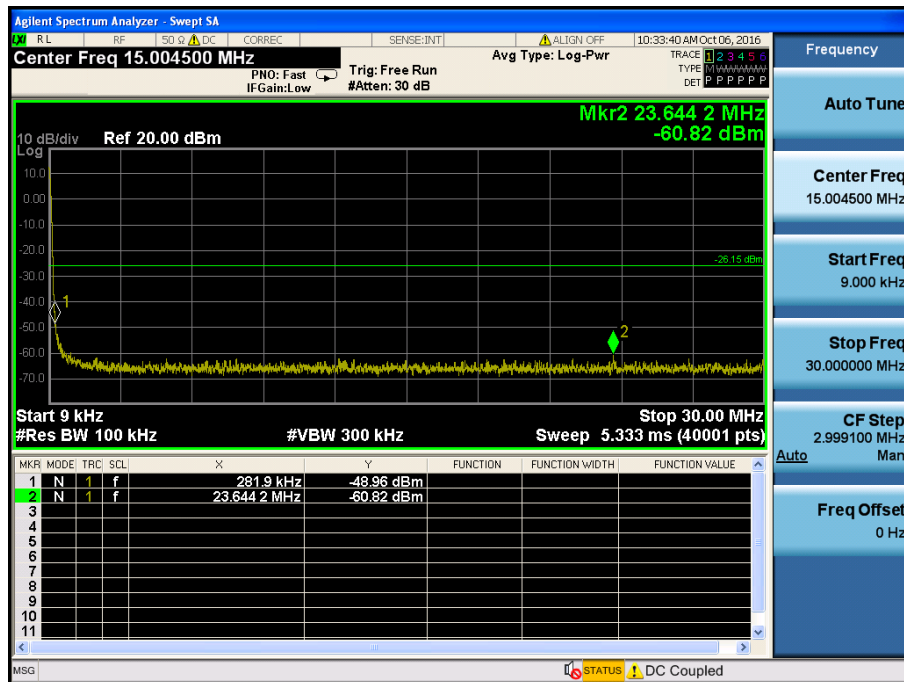
## Reference



## Low Band-edge

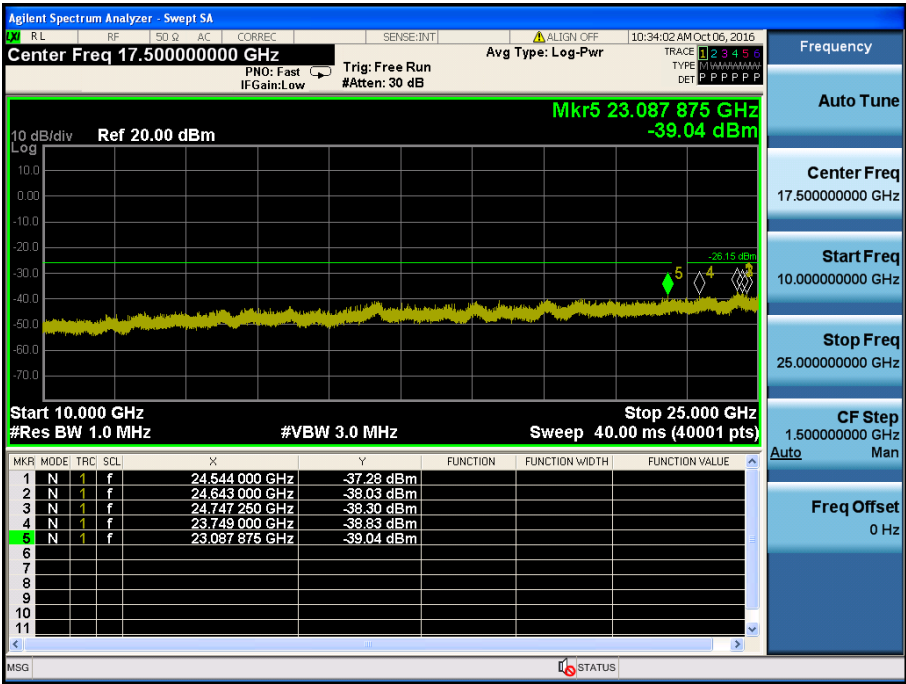


## Conducted Spurious Emissions





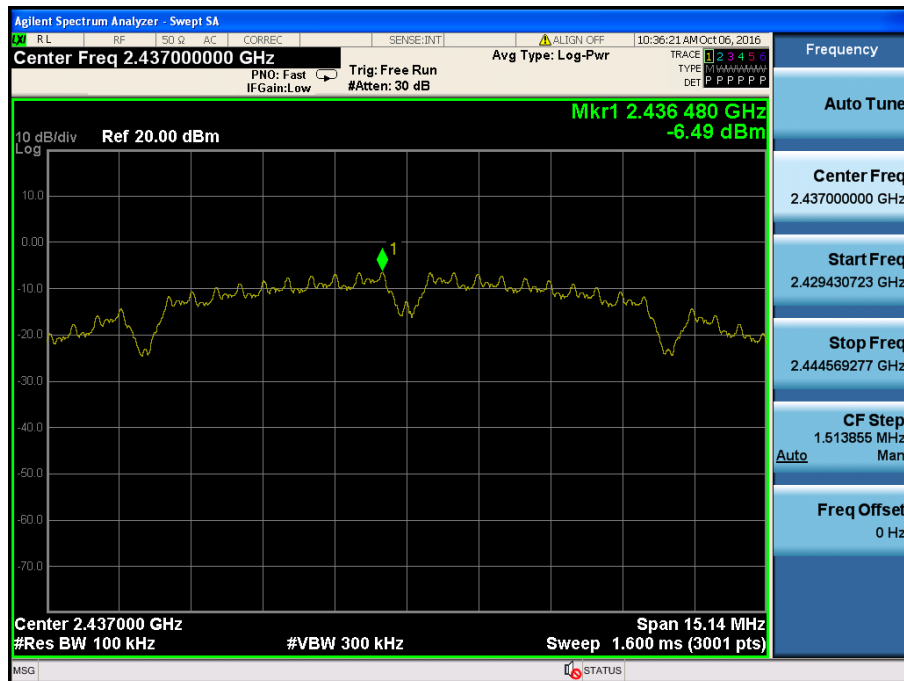
Conducted Spurious Emissions



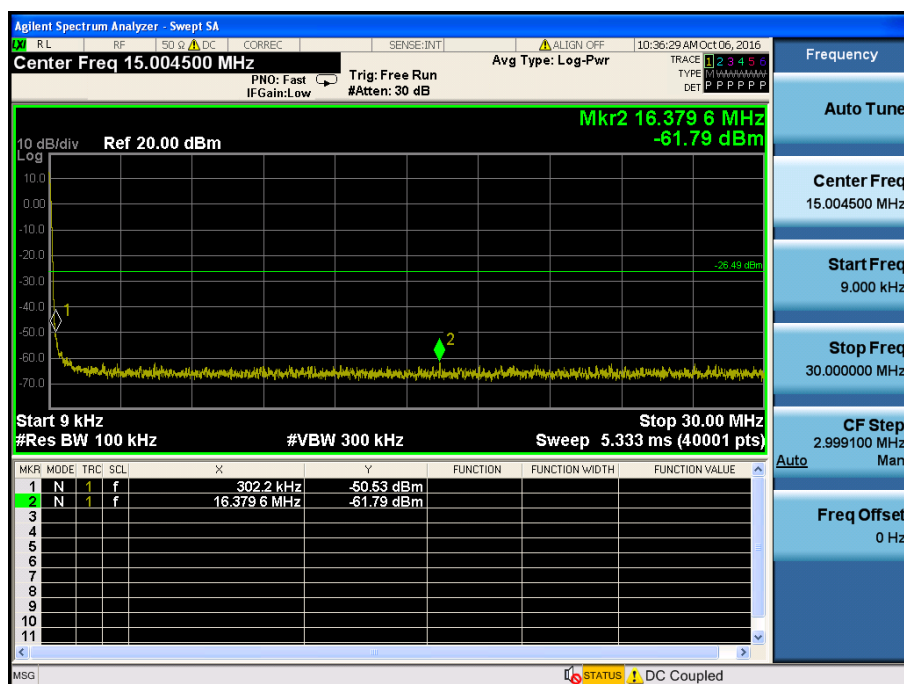


802.11b &amp; 1 Mbps &amp; 2437 MHz

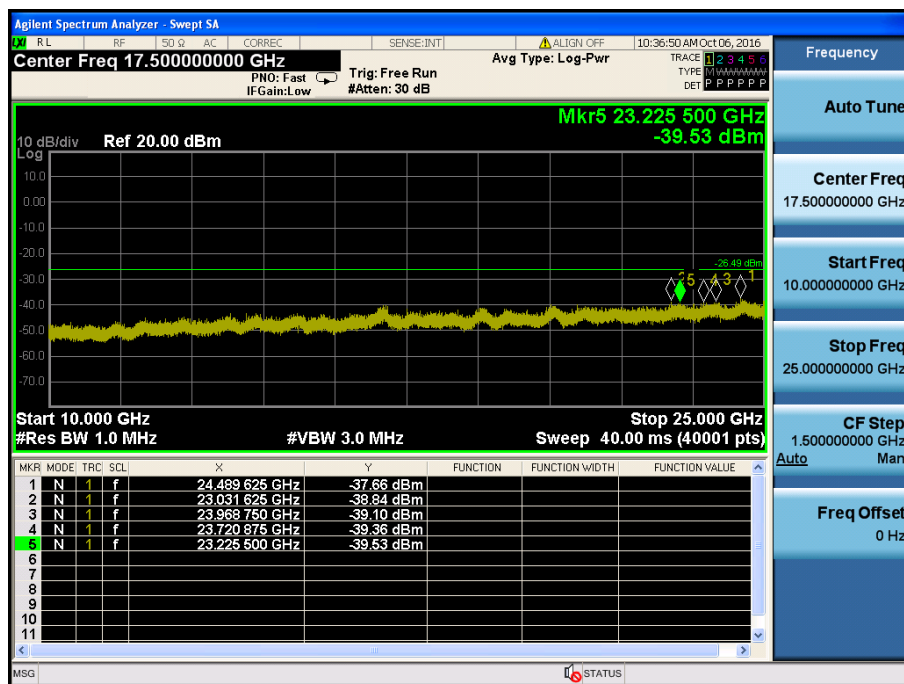
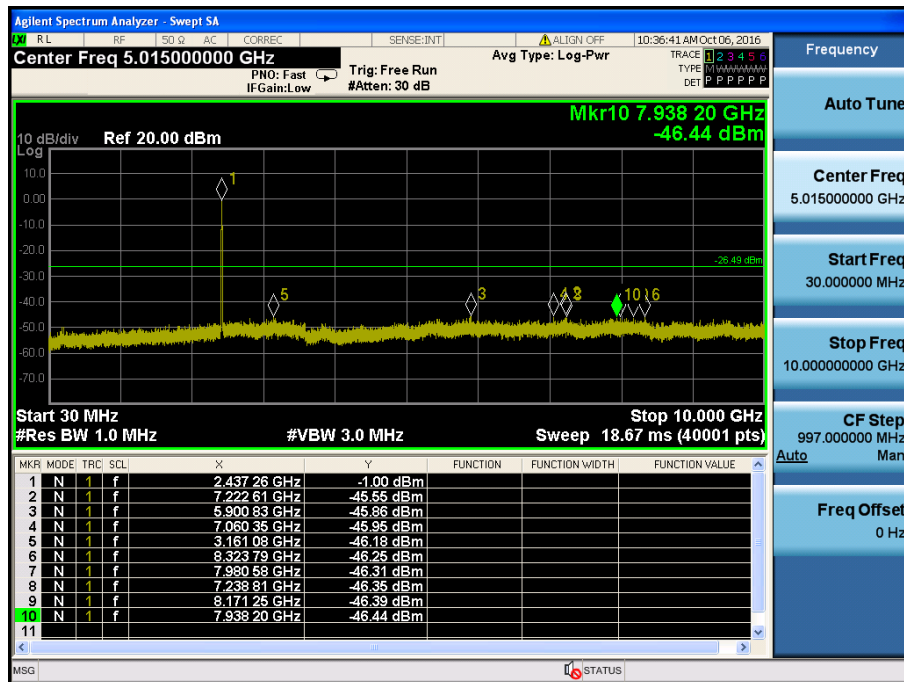
## Reference



## Conducted Spurious Emissions



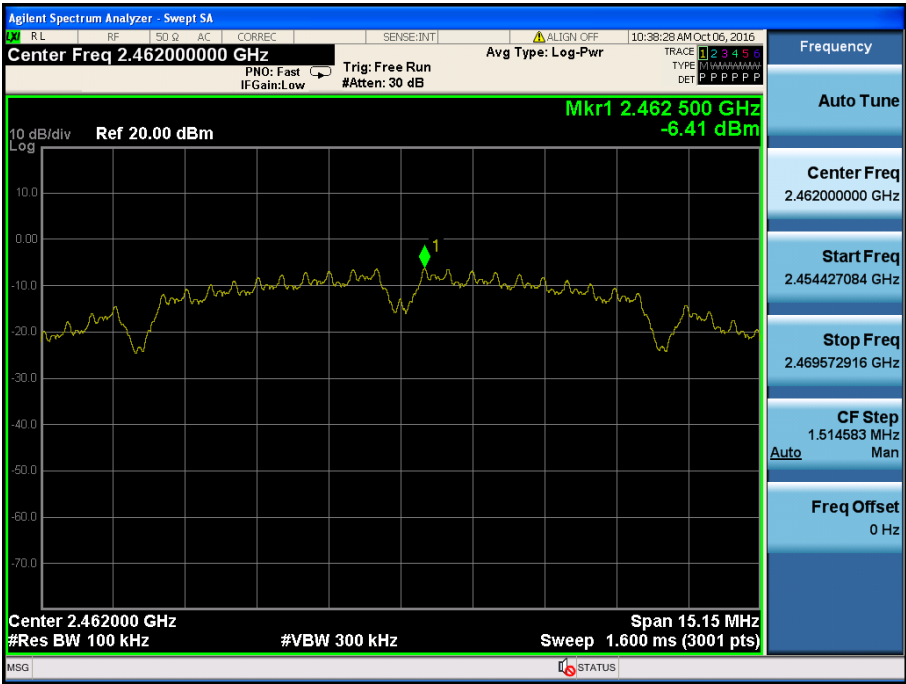
## Conducted Spurious Emissions



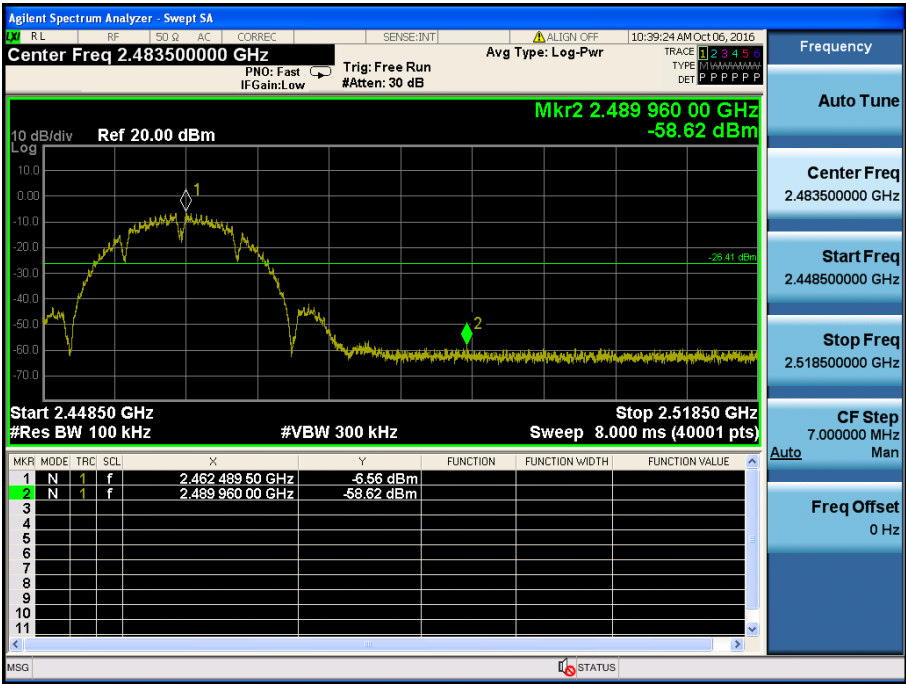


802.11b & 1 Mbps & 2462 MHz

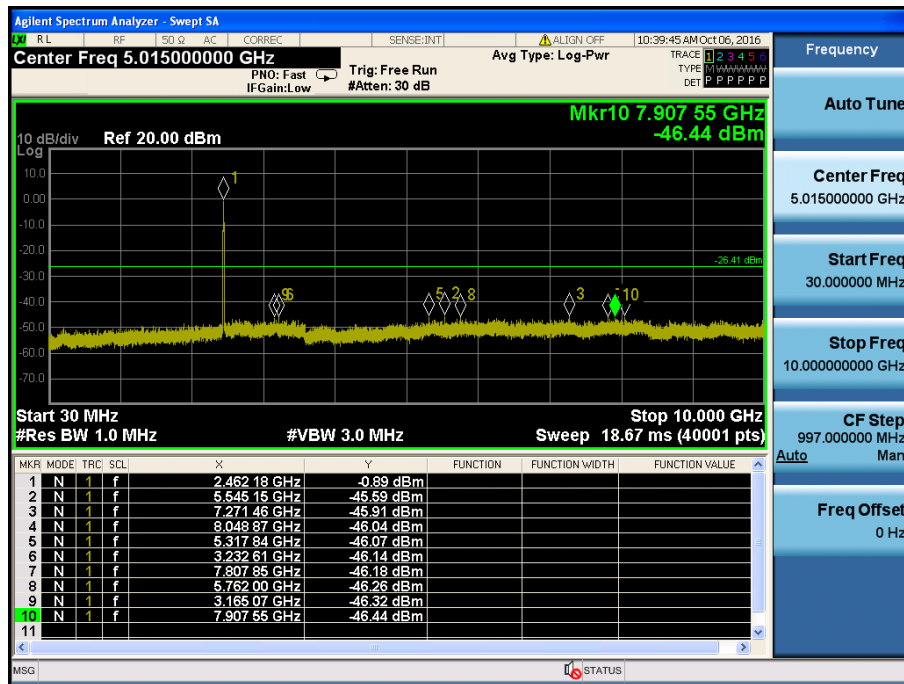
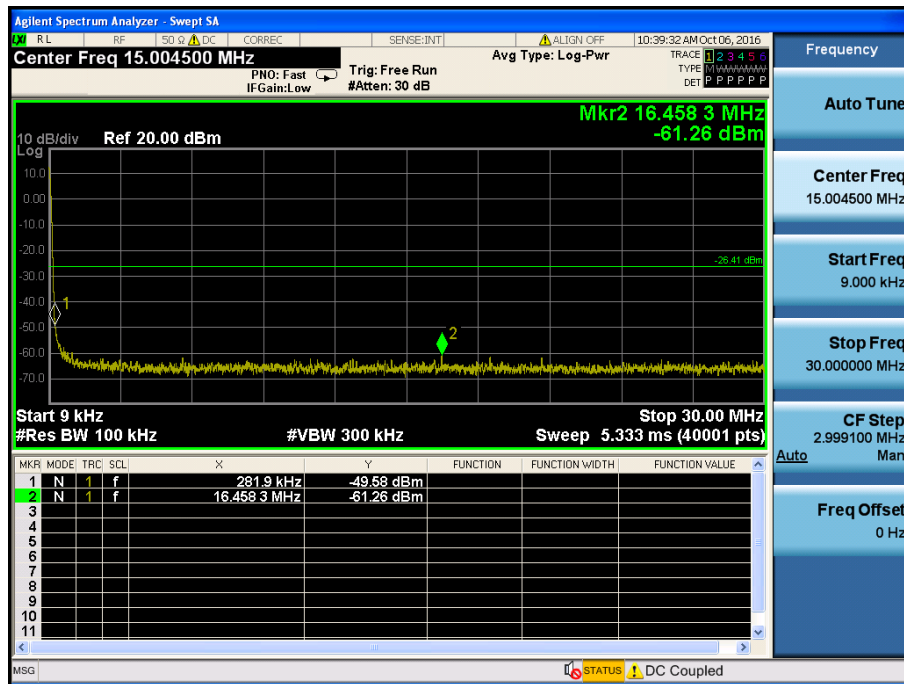
Reference



High Band-edge

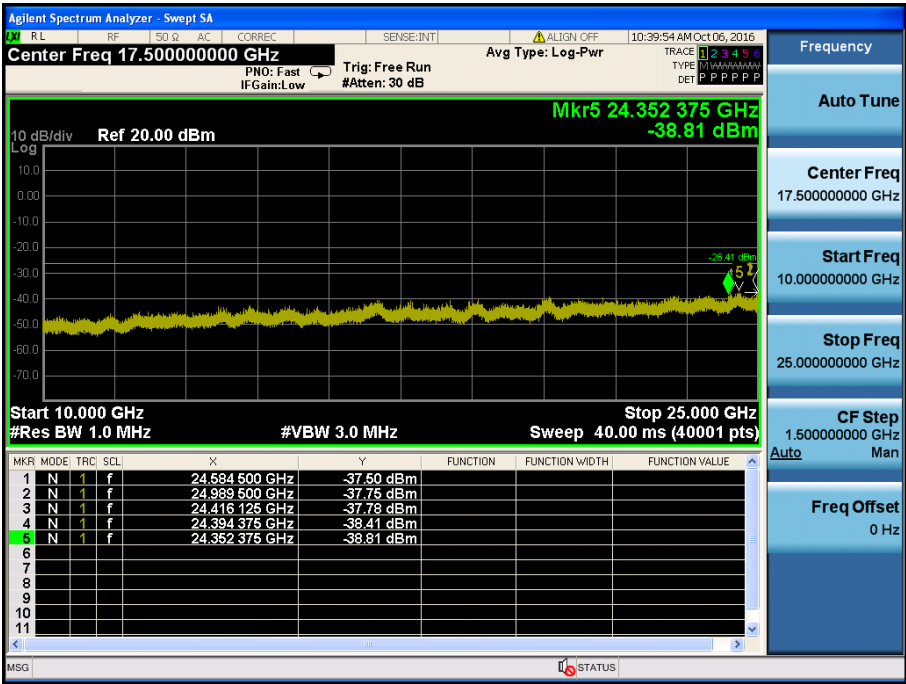


## Conducted Spurious Emissions



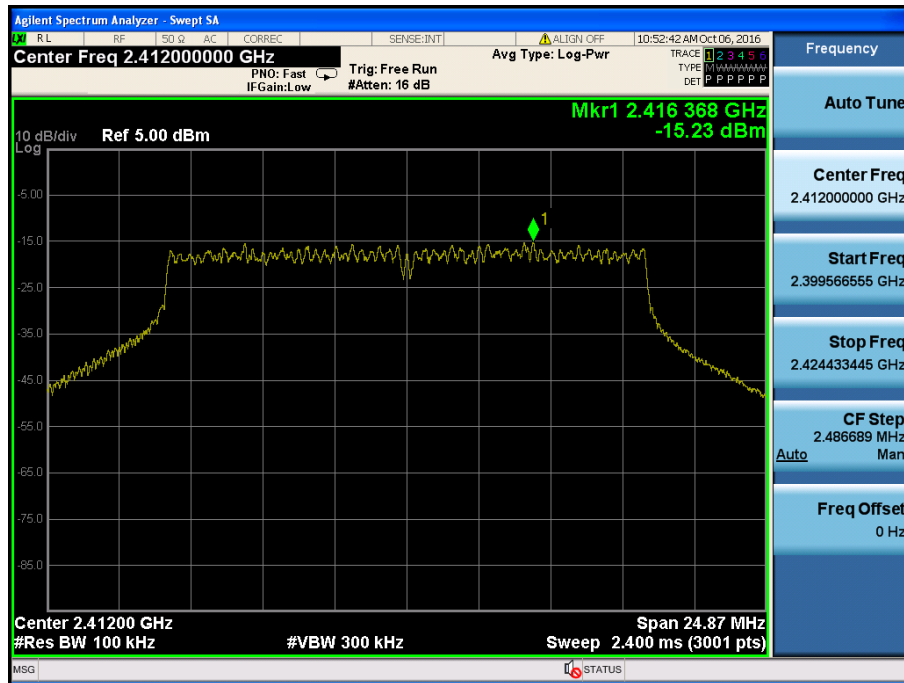


Conducted Spurious Emissions

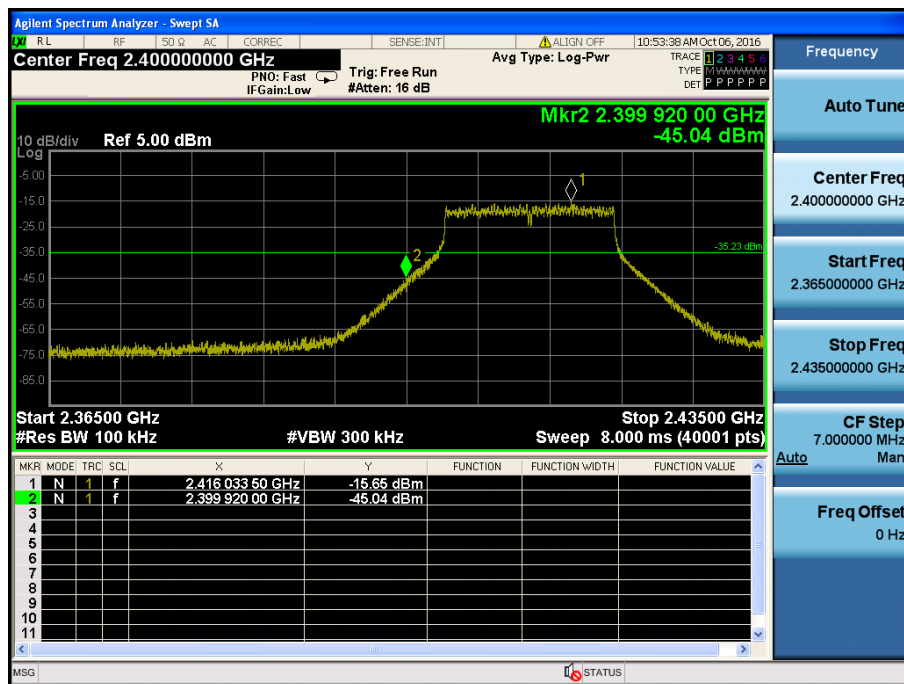


802.11g &amp; 54 Mbps &amp; 2412 MHz

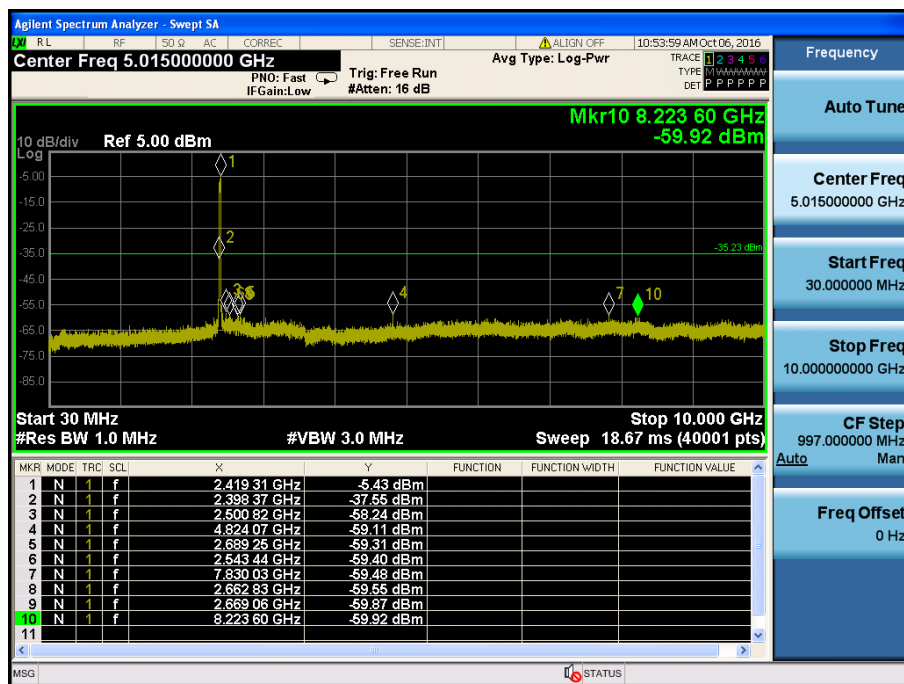
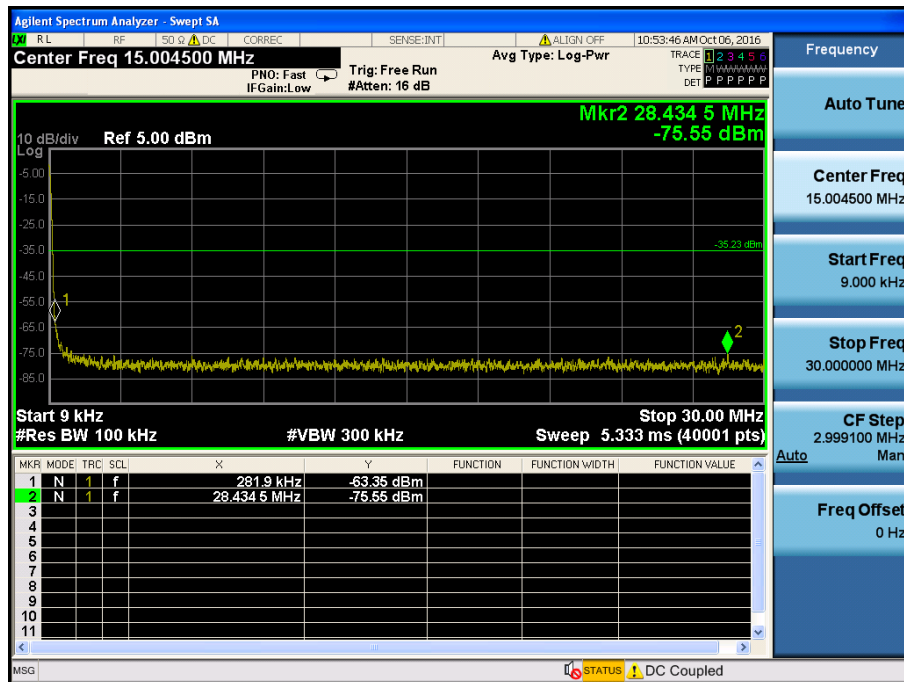
## Reference



## Low Band-edge

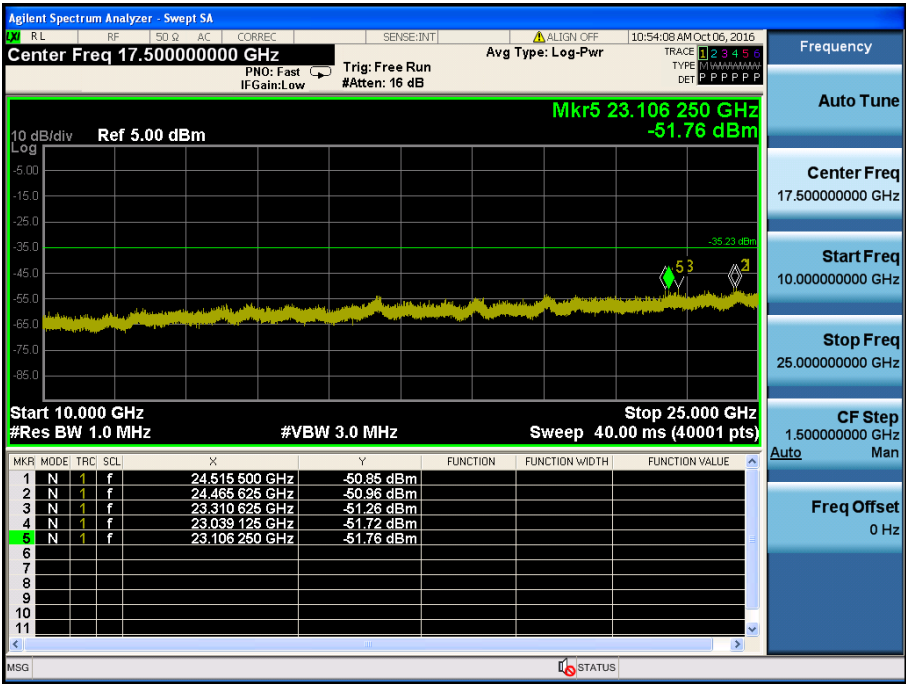


## Conducted Spurious Emissions





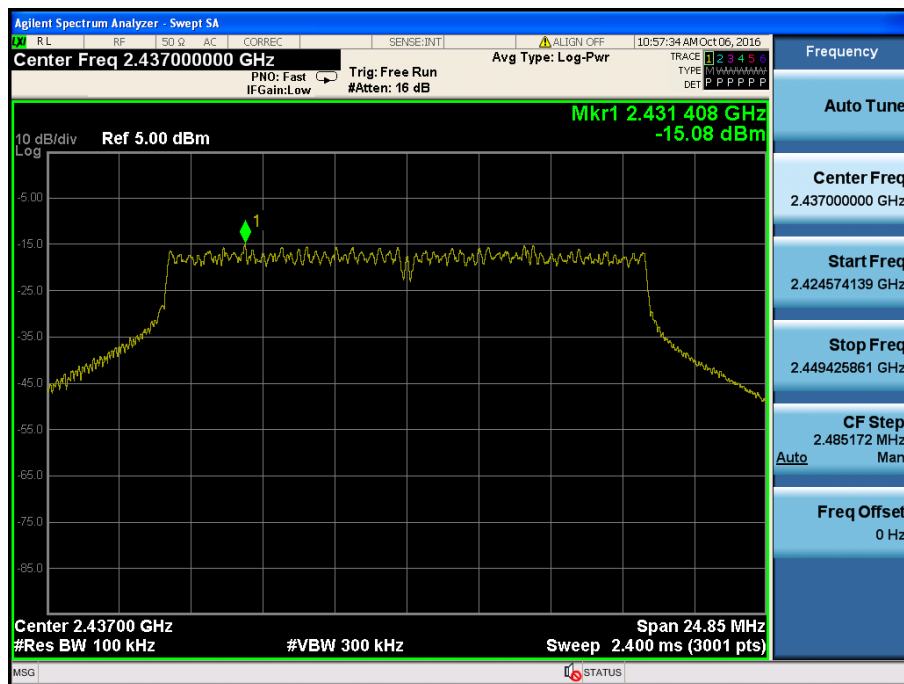
Conducted Spurious Emissions



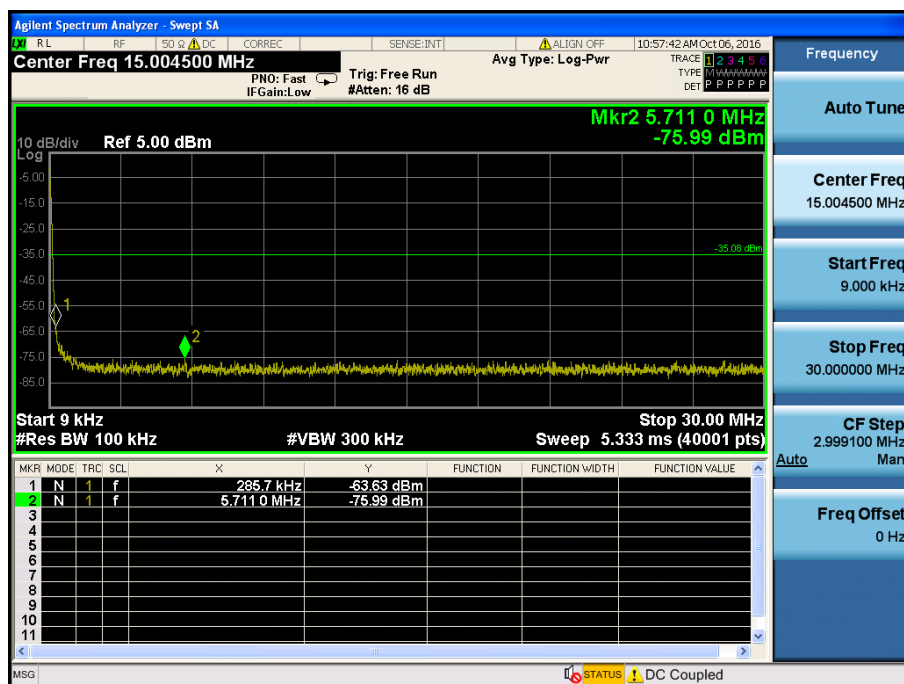


802.11g &amp; 54 Mbps &amp; 2437 MHz

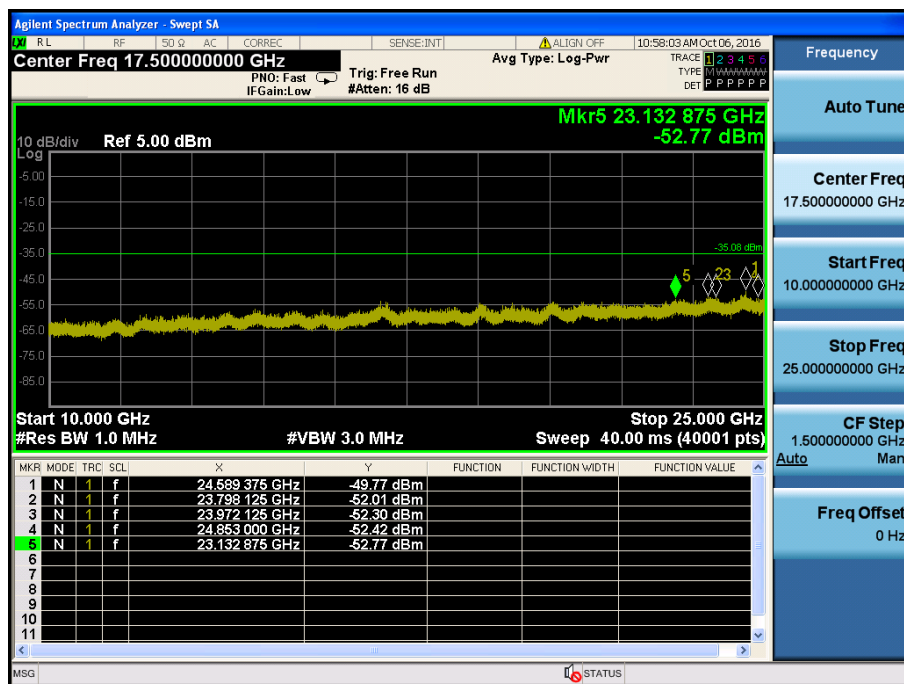
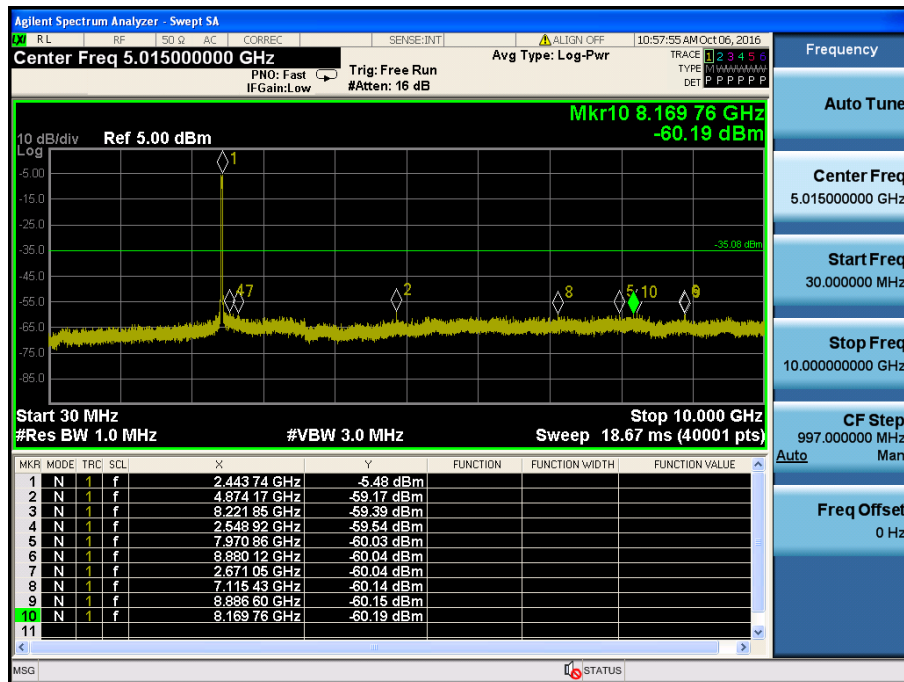
## Reference



## Conducted Spurious Emissions



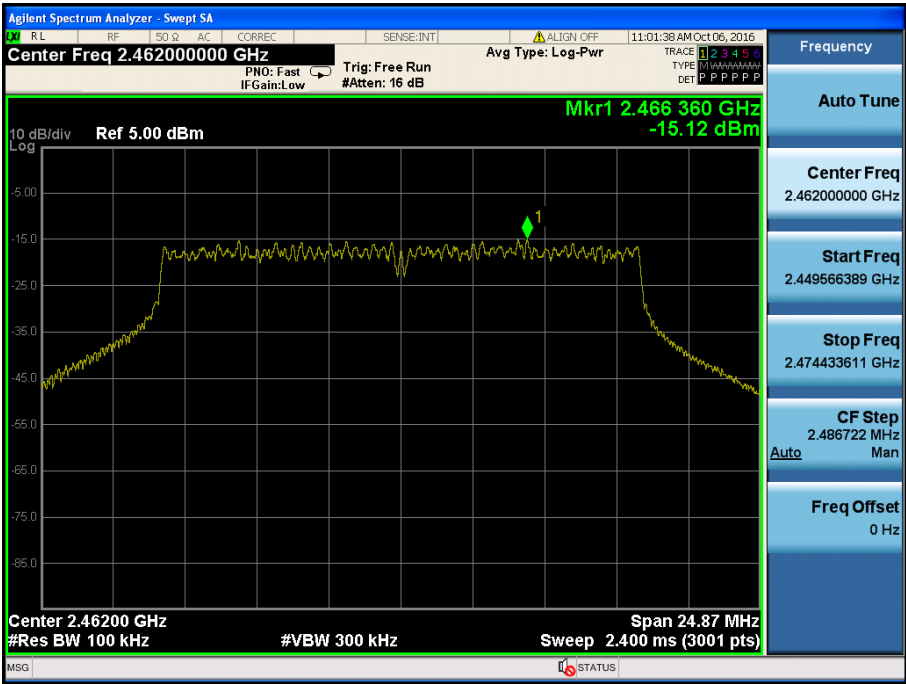
## Conducted Spurious Emissions



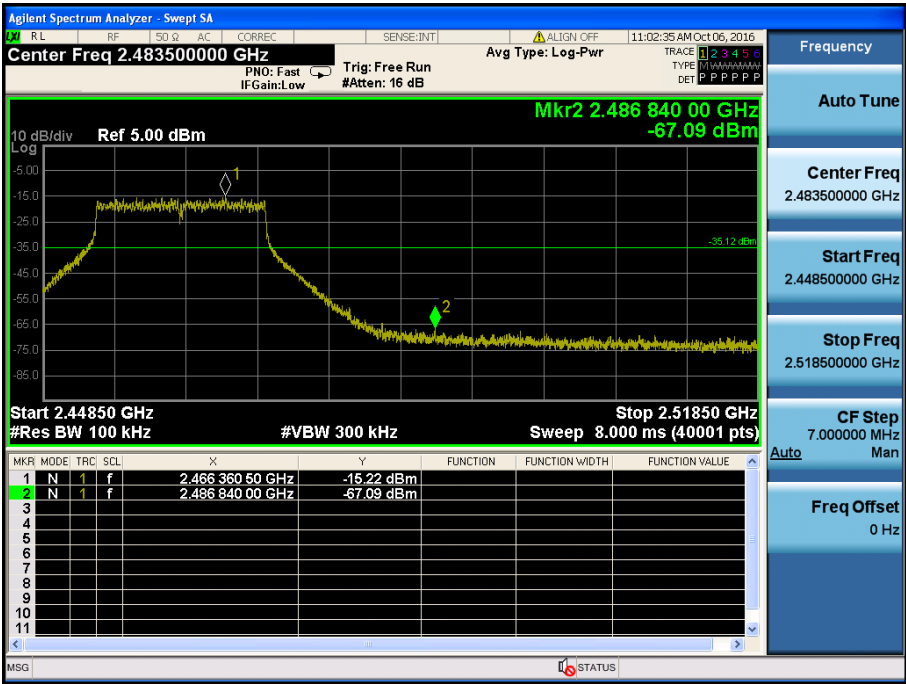


802.11g & 6 Mbps & 2462 MHz

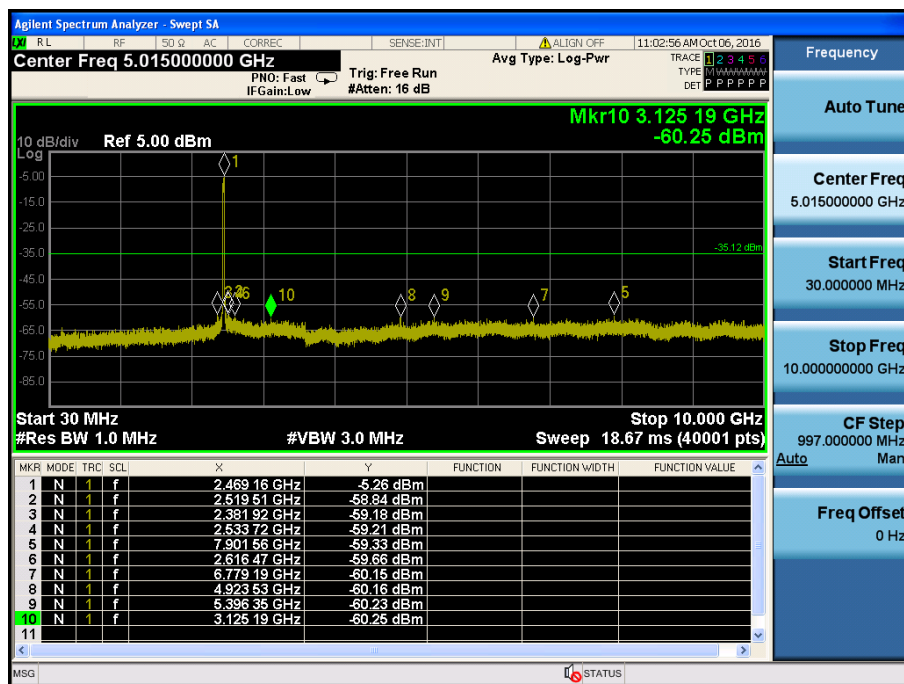
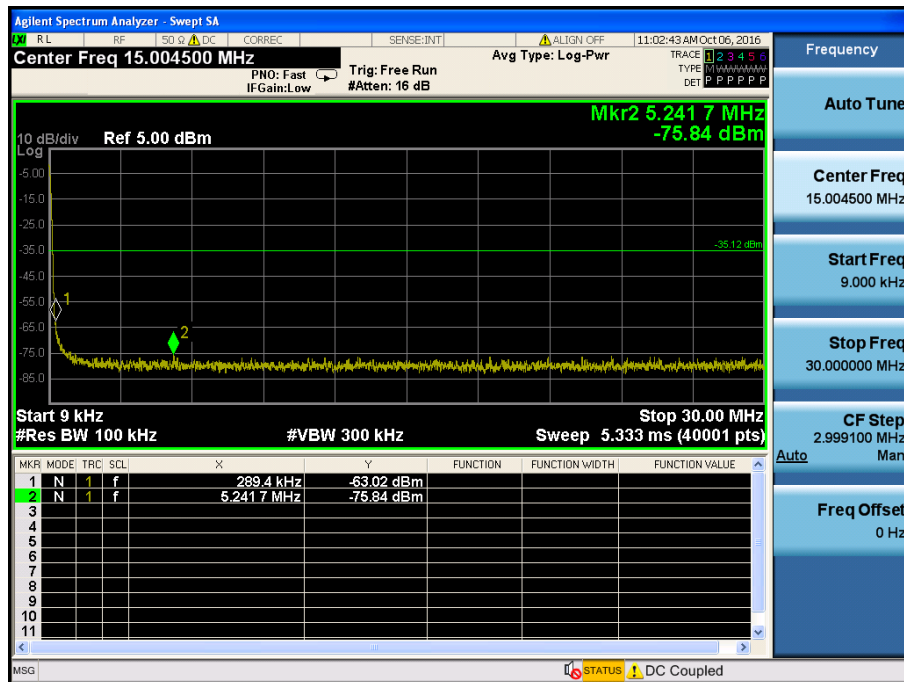
Reference



High Band-edge

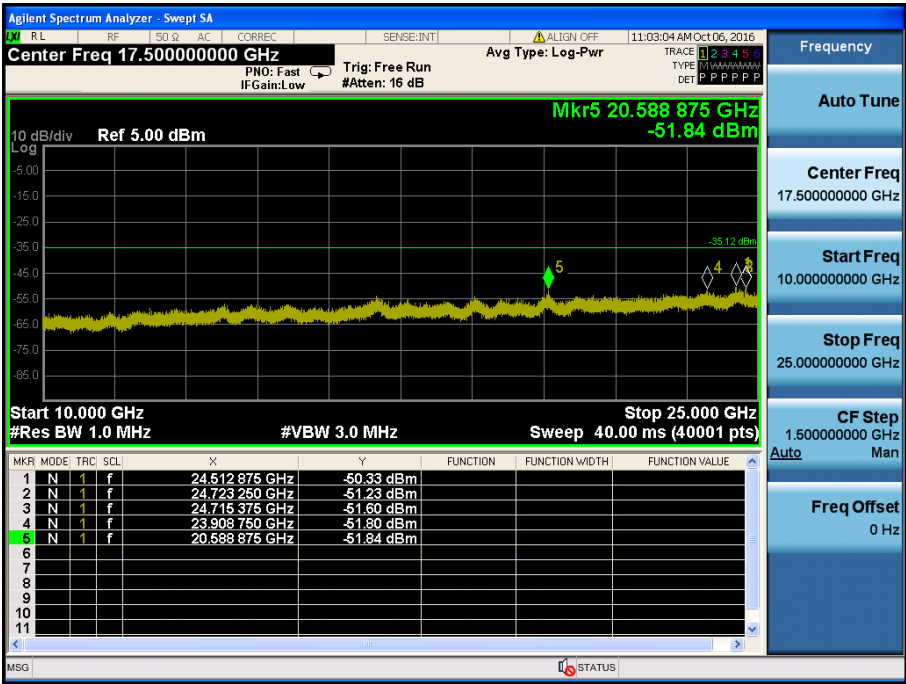


## Conducted Spurious Emissions





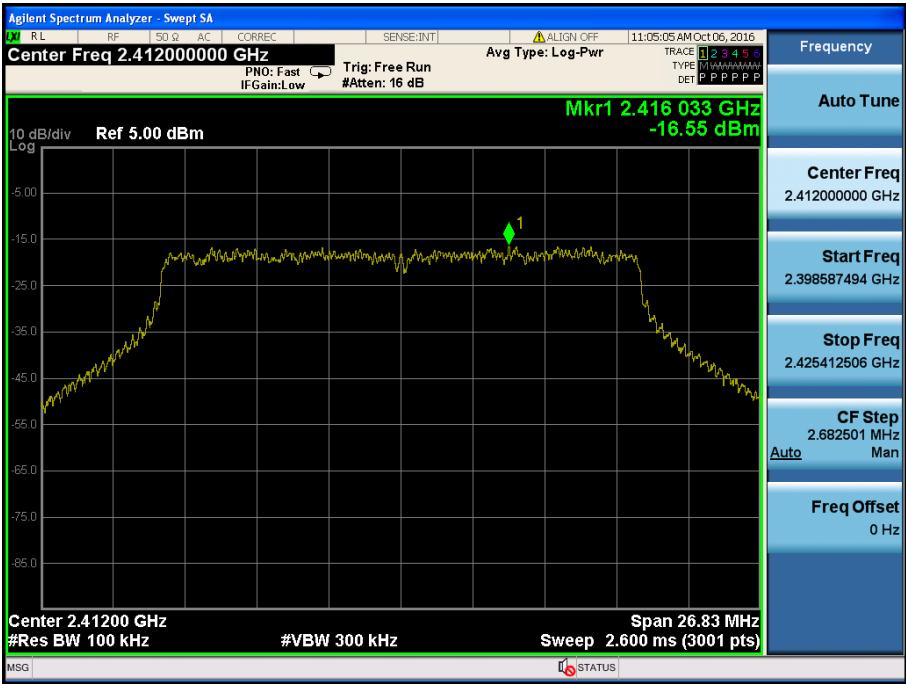
Conducted Spurious Emissions



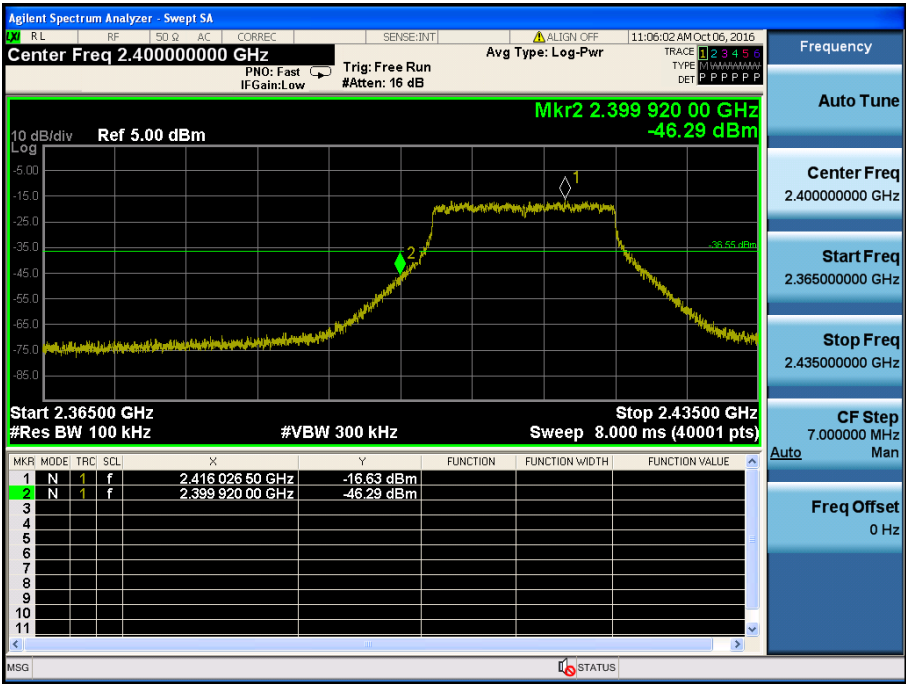


802.11n(HT20) & MCS 0 & 2412 MHz

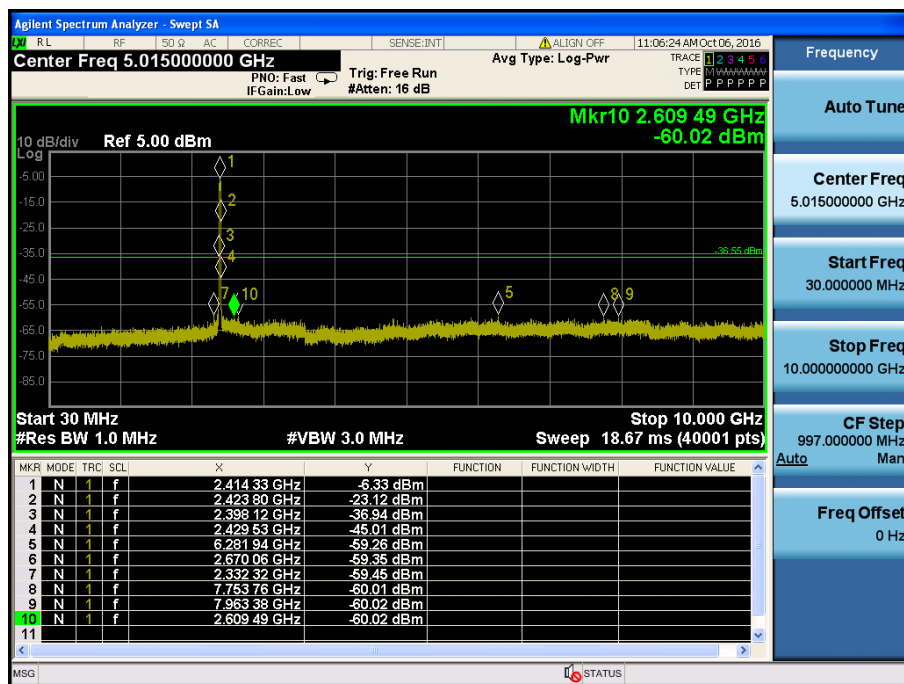
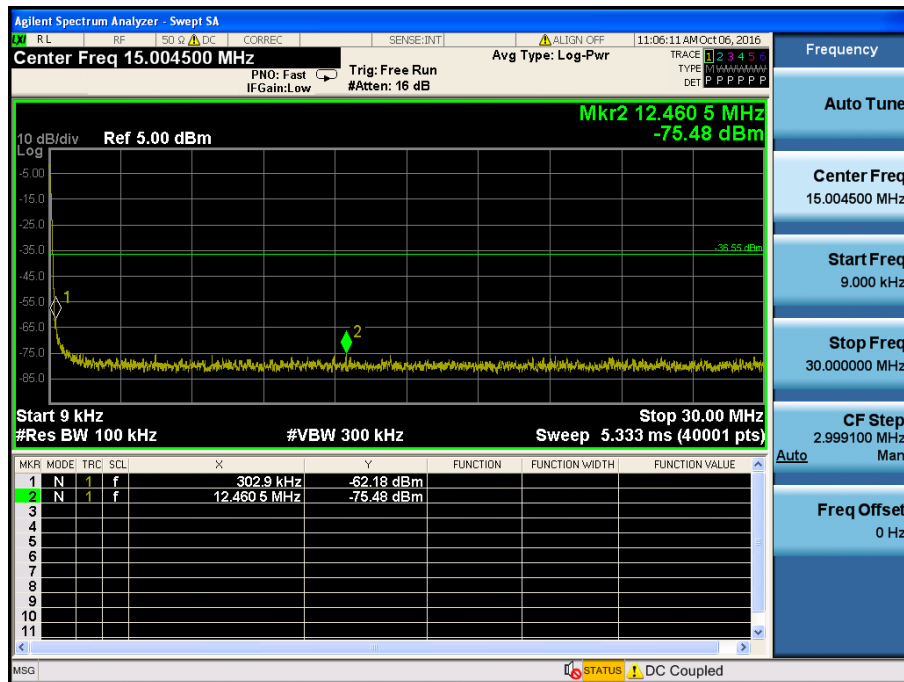
Reference



Low Band-edge

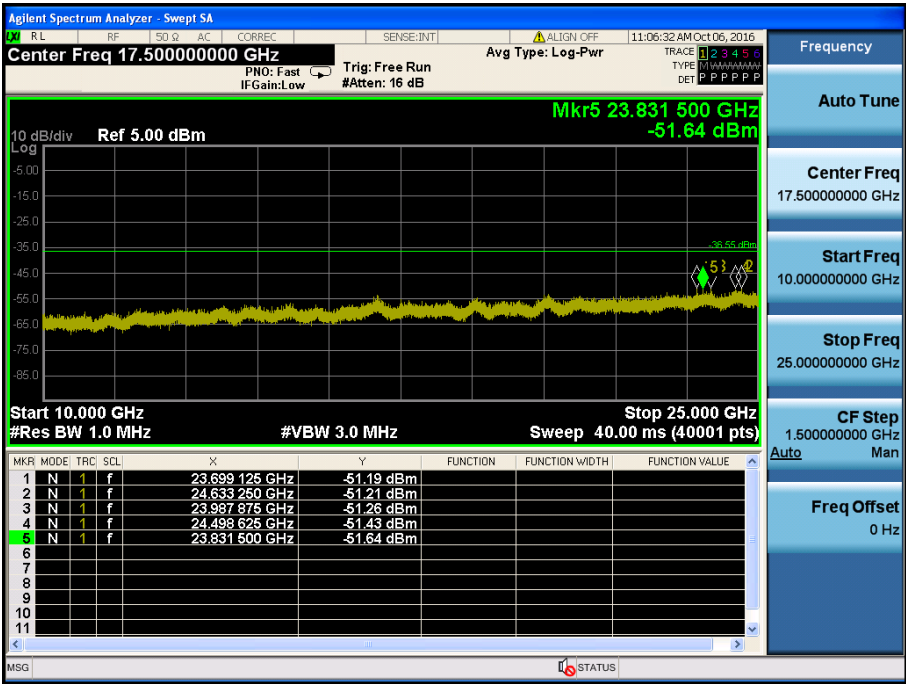


## Conducted Spurious Emissions





Conducted Spurious Emissions

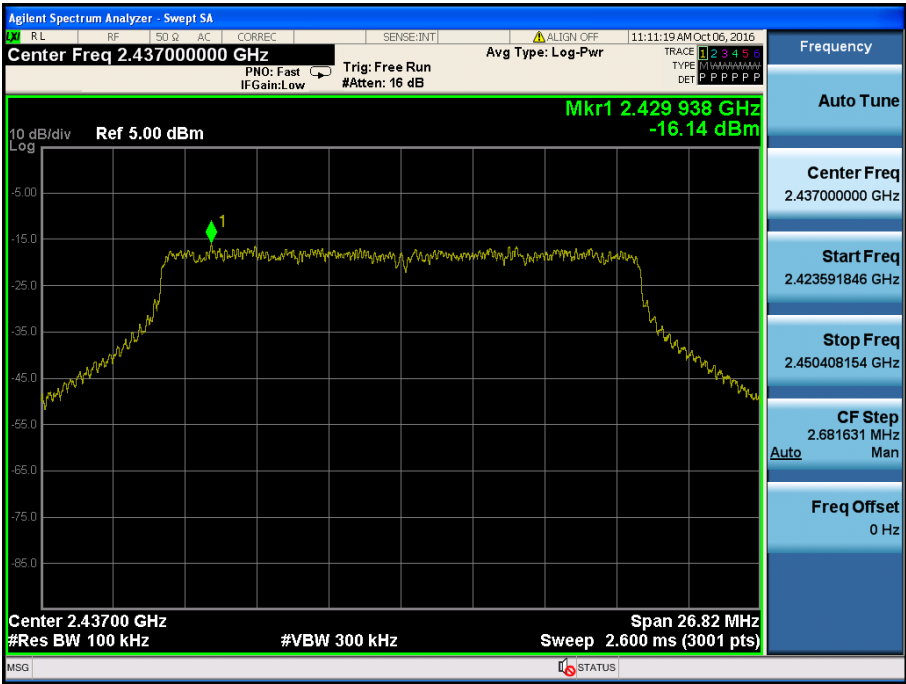




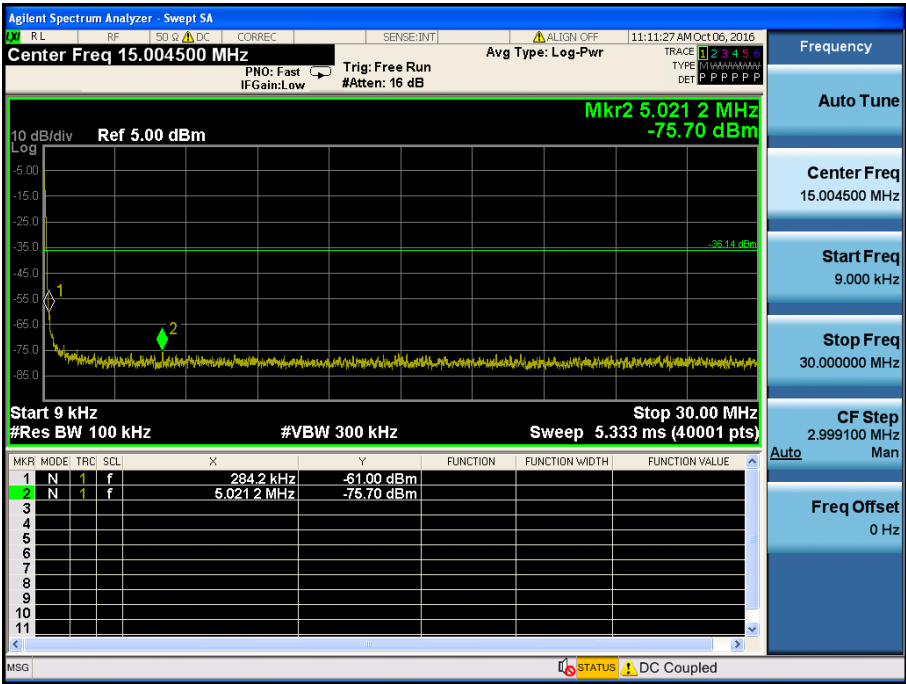


802.11n(HT20) & MCS 0 & 2437 MHz

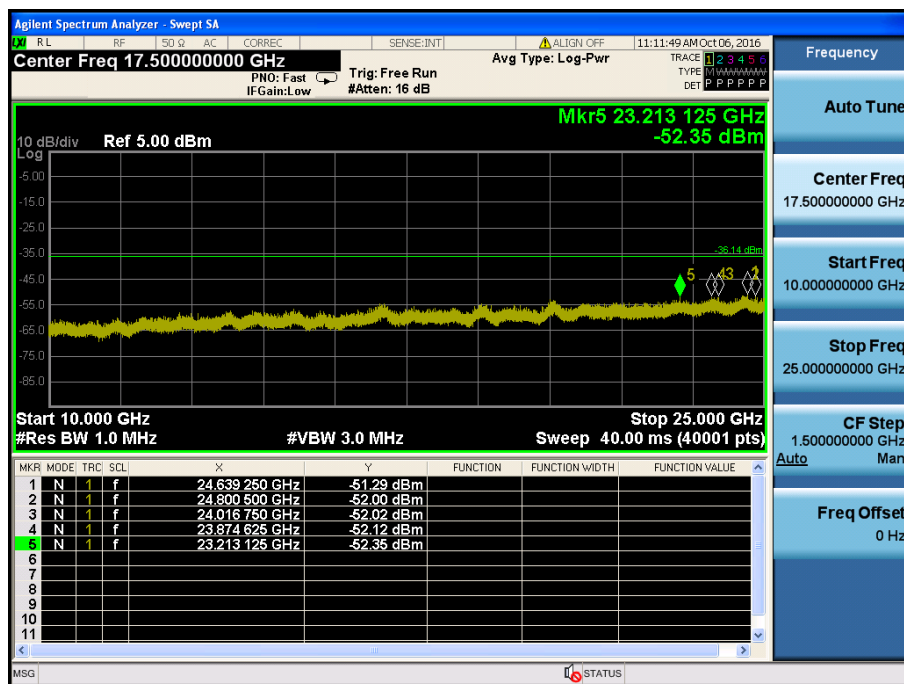
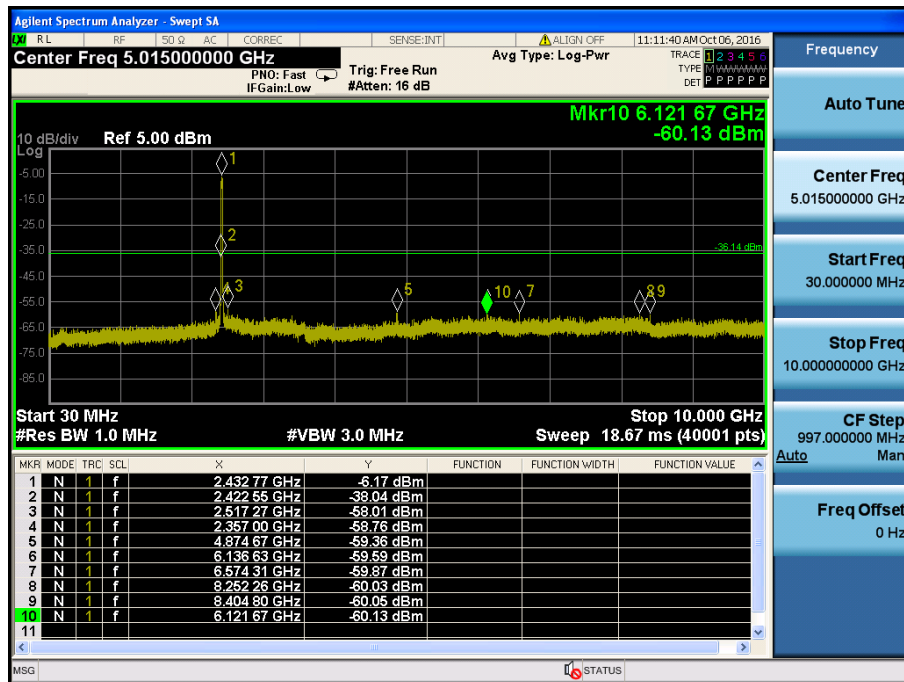
Reference



Conducted Spurious Emissions

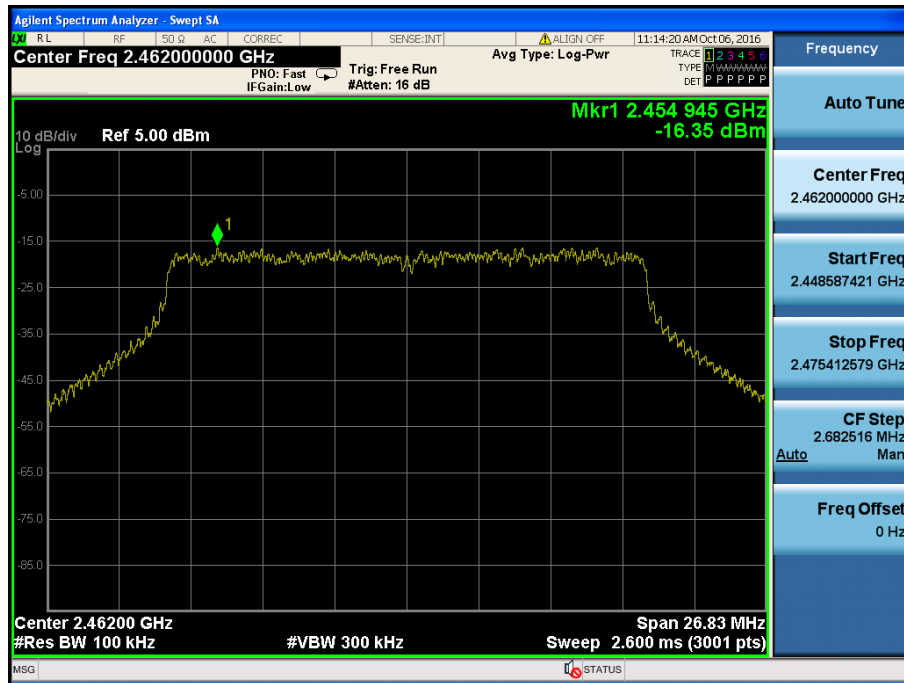


## Conducted Spurious Emissions



802.11n(HT20) &amp; MCS 0 &amp; 2462 MHz

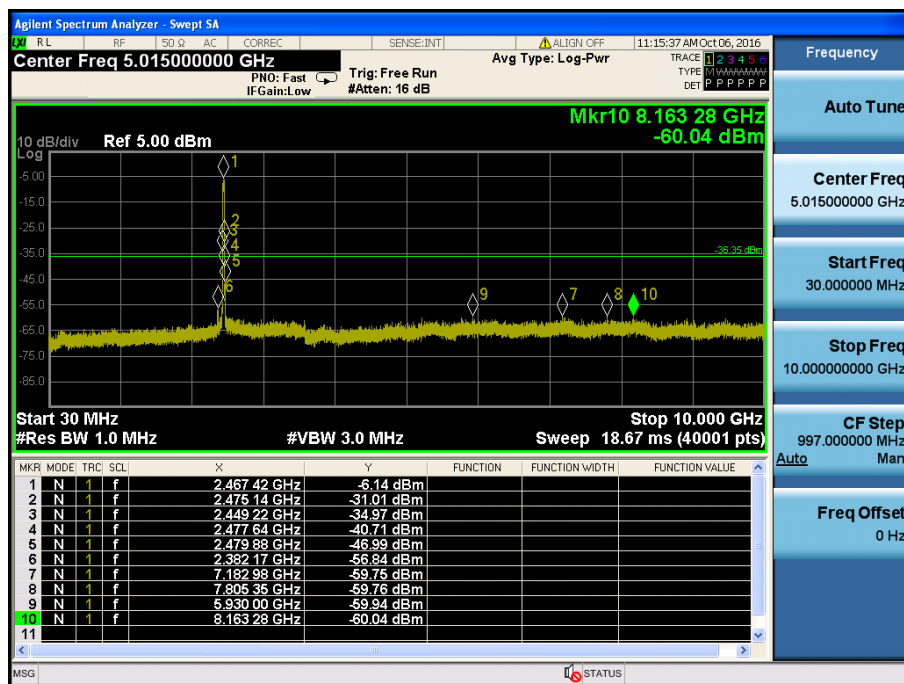
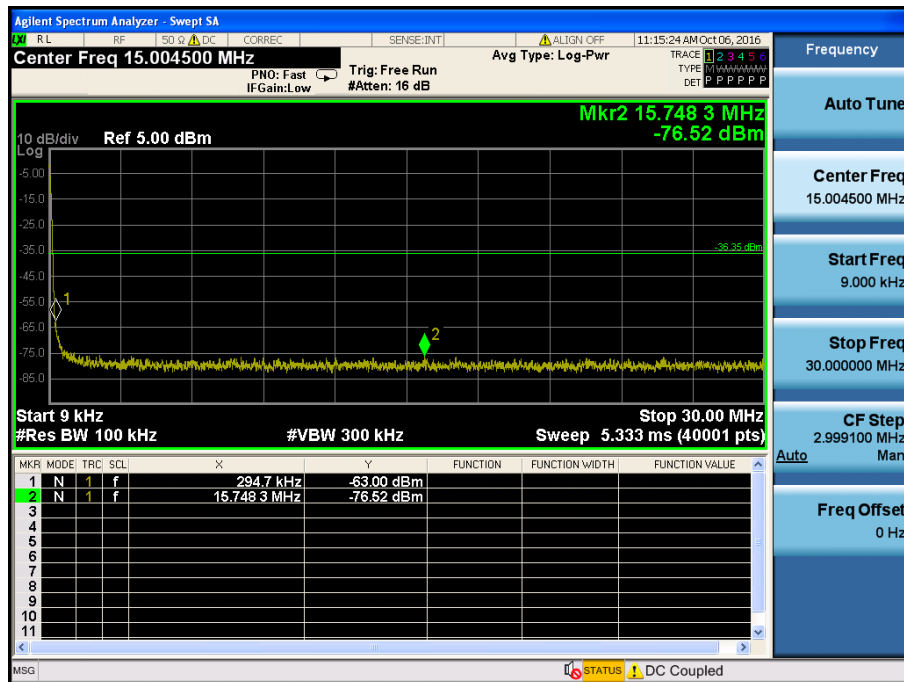
## Reference



## High Band-edge

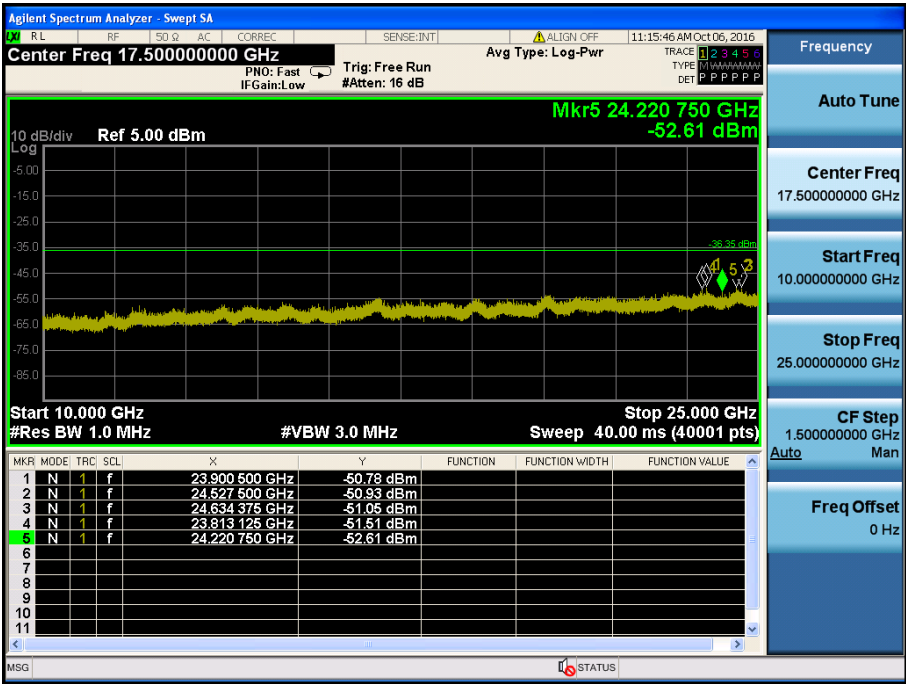


## Conducted Spurious Emissions





Conducted Spurious Emissions



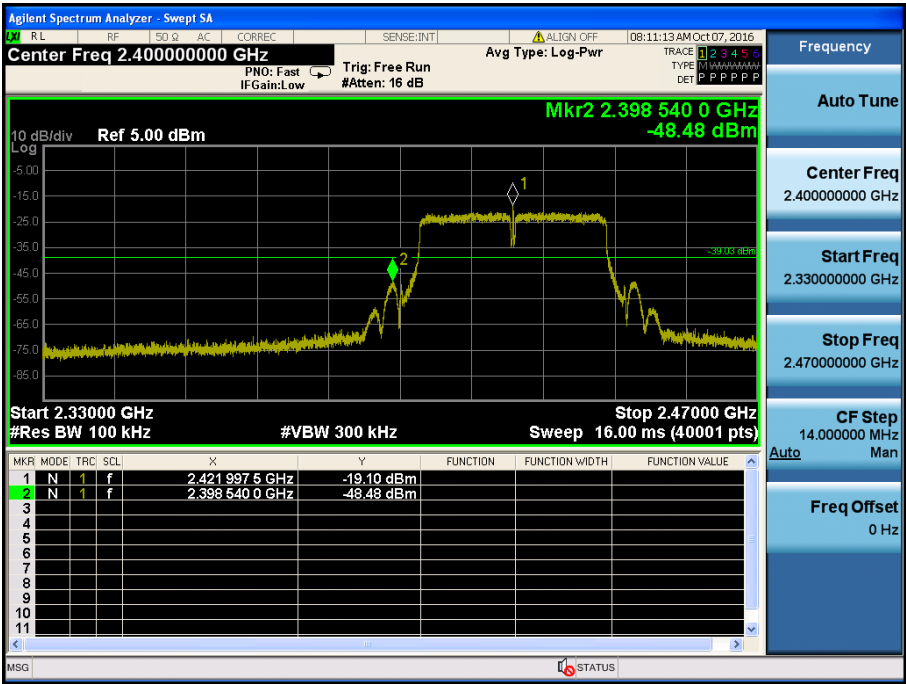


802.11n(HT40) & MCS 0 & 2422 MHz

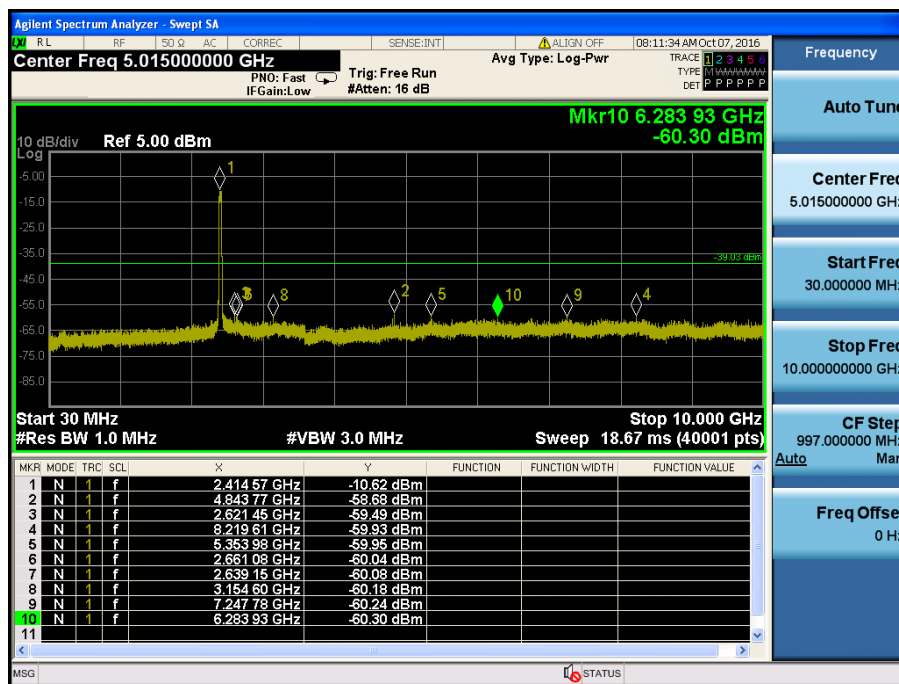
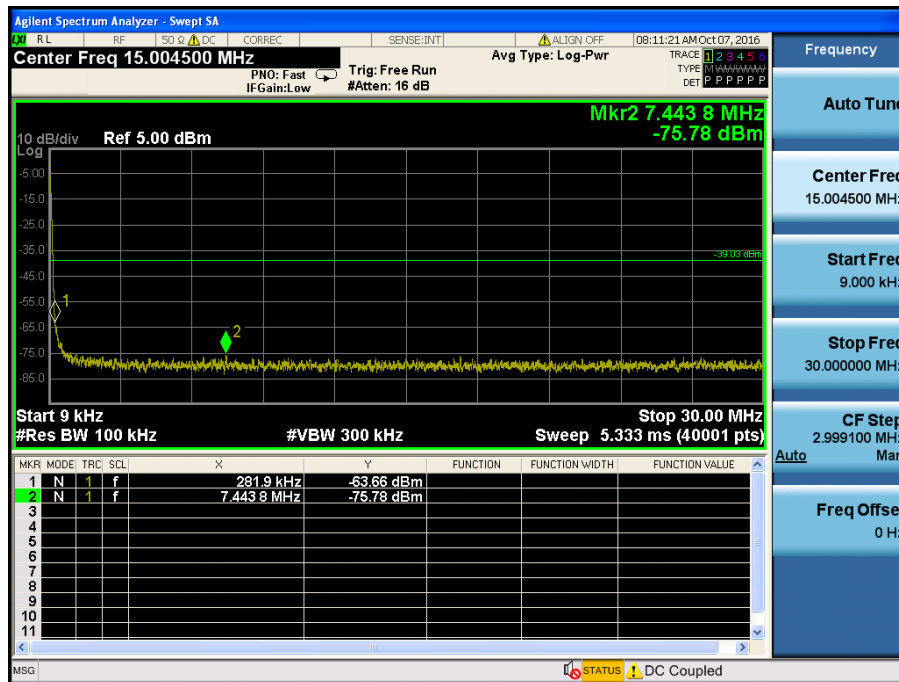
Reference



Low Band-edge

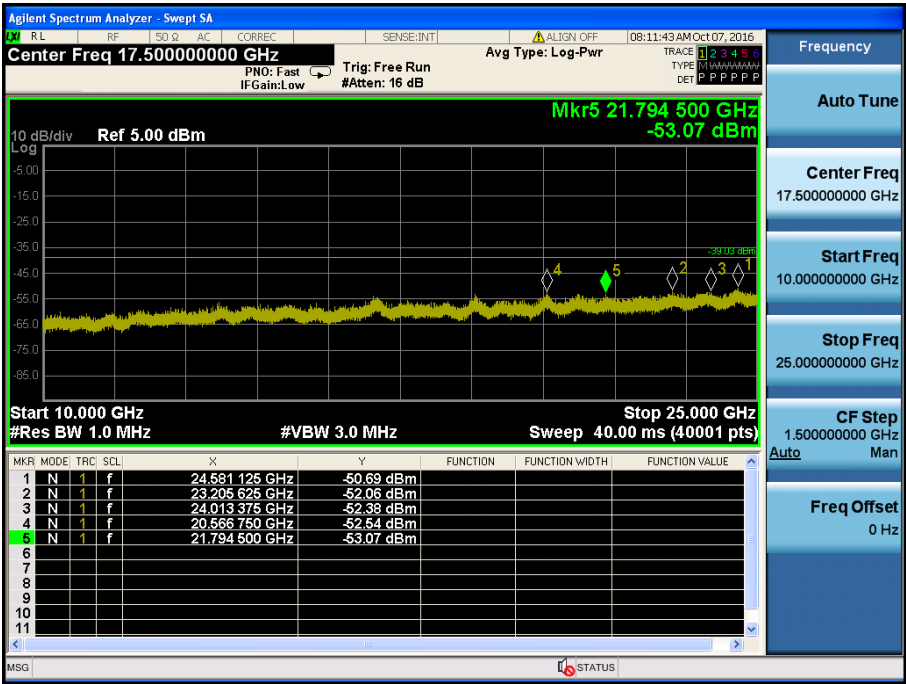


## Conducted Spurious Emissions





Conducted Spurious Emissions





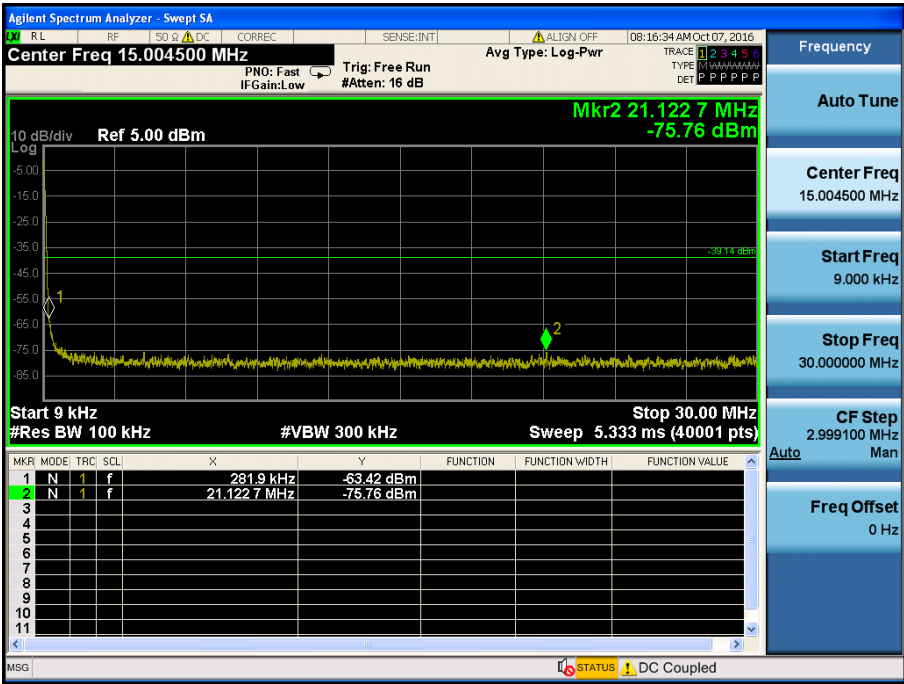


802.11n(HT40) & MCS 0 & 2437 MHz

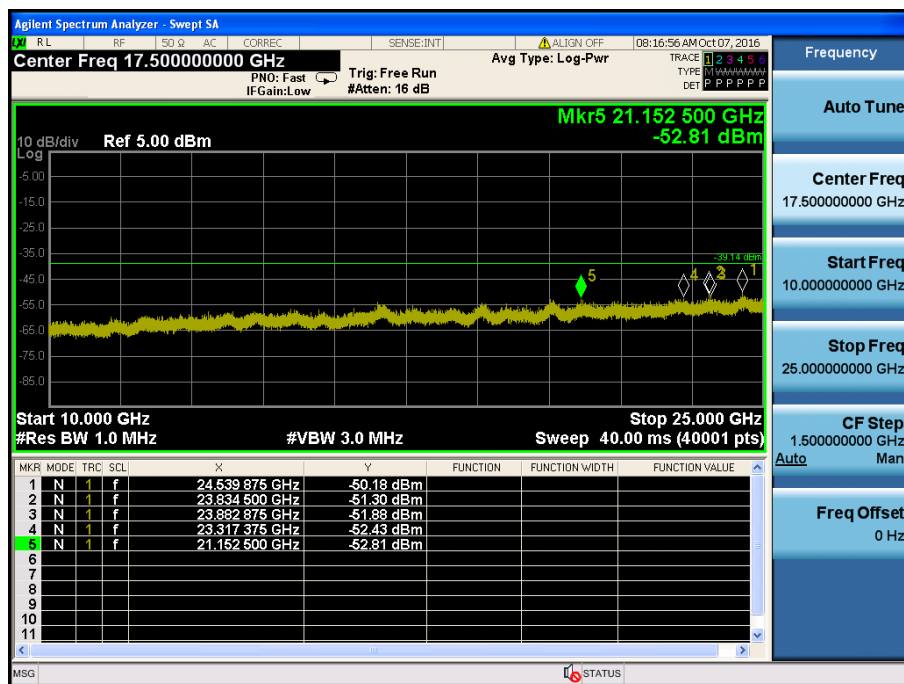
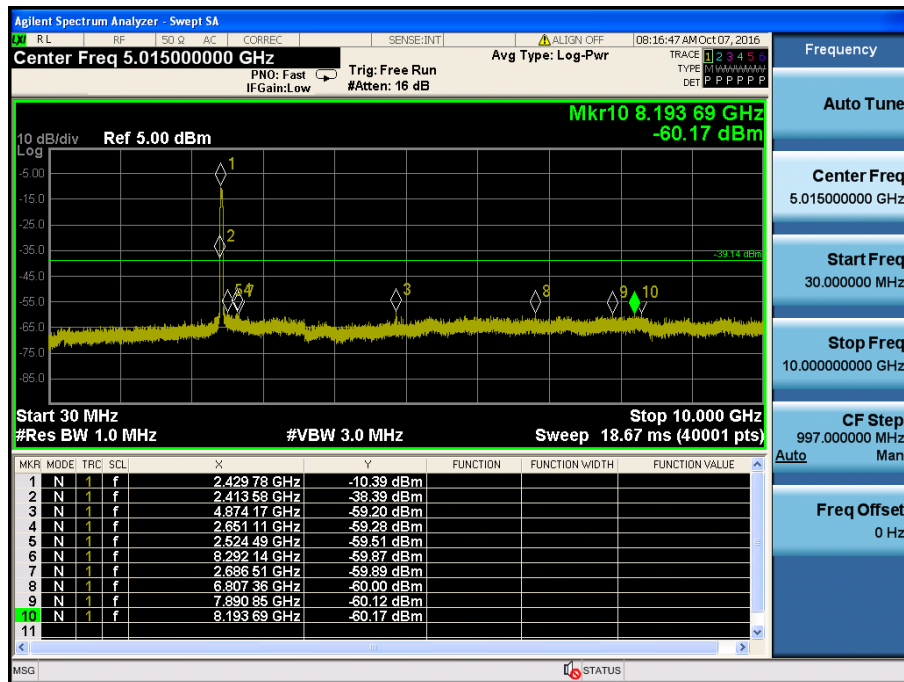
Reference



Conducted Spurious Emissions



## Conducted Spurious Emissions



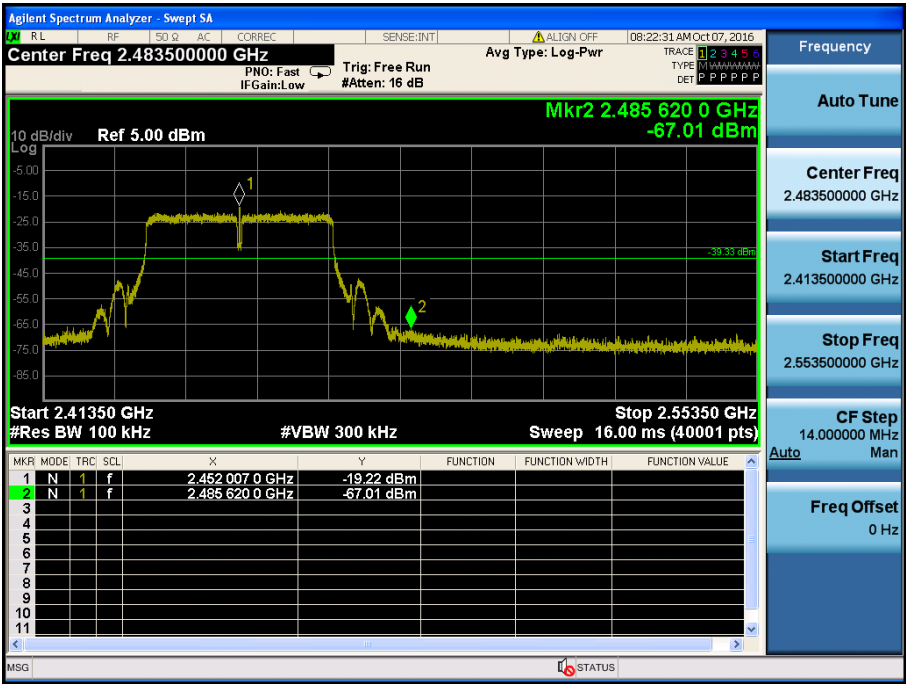


802.11n(HT40) & MCS 0 & 2452 MHz

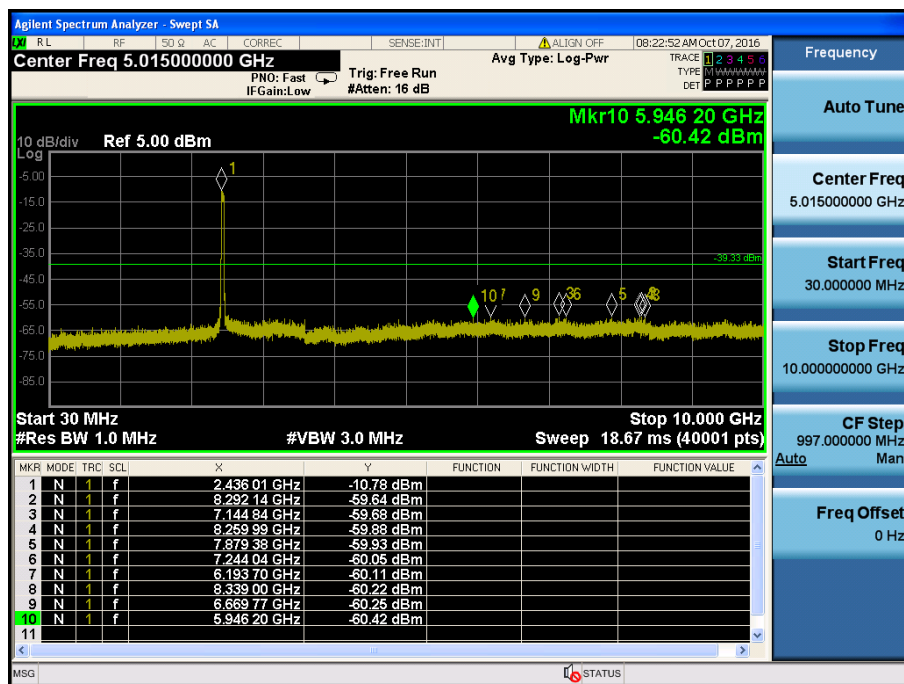
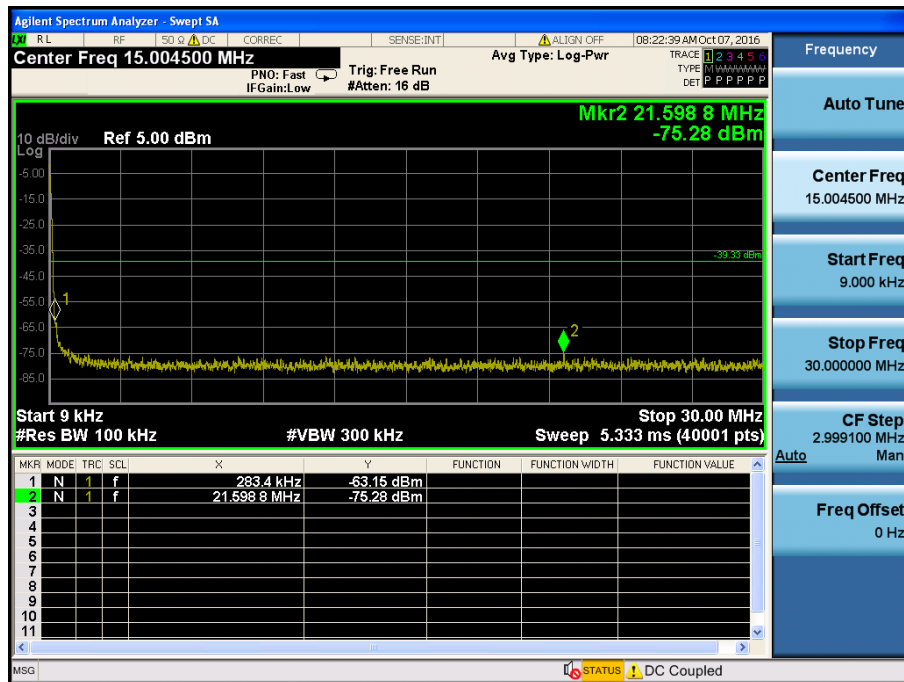
Reference



High Band-edge



## Conducted Spurious Emissions





Conducted Spurious Emissions

