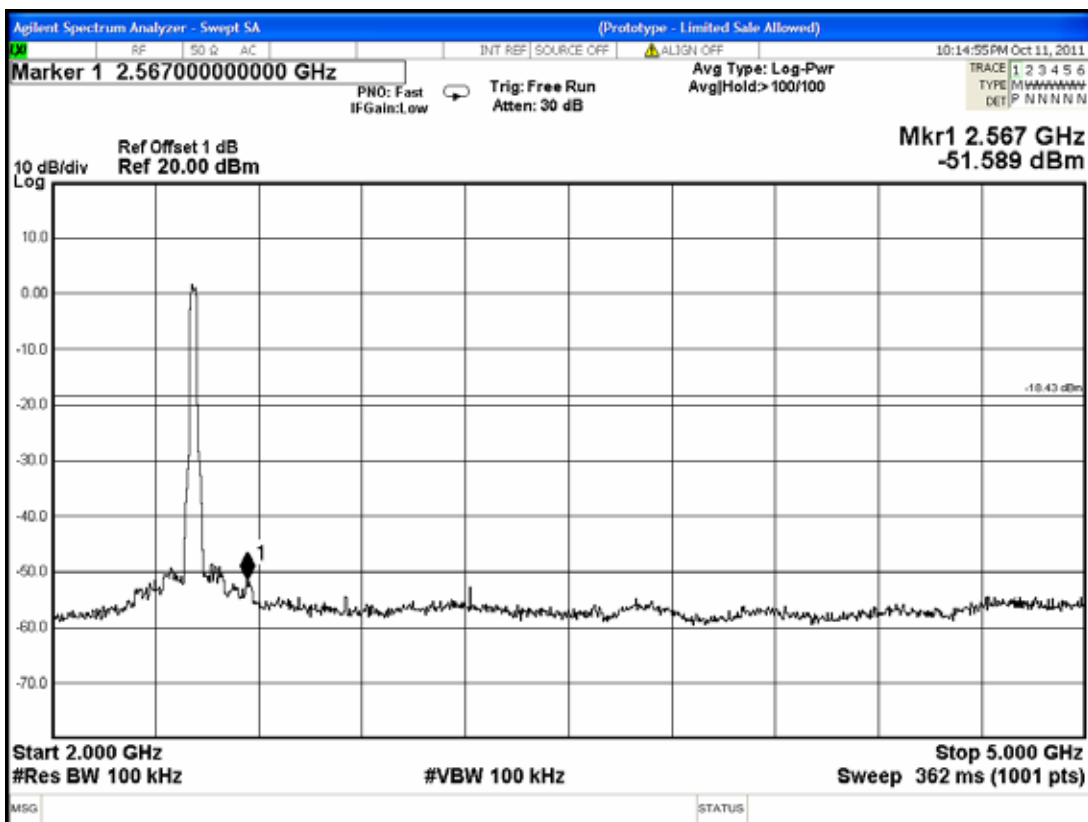
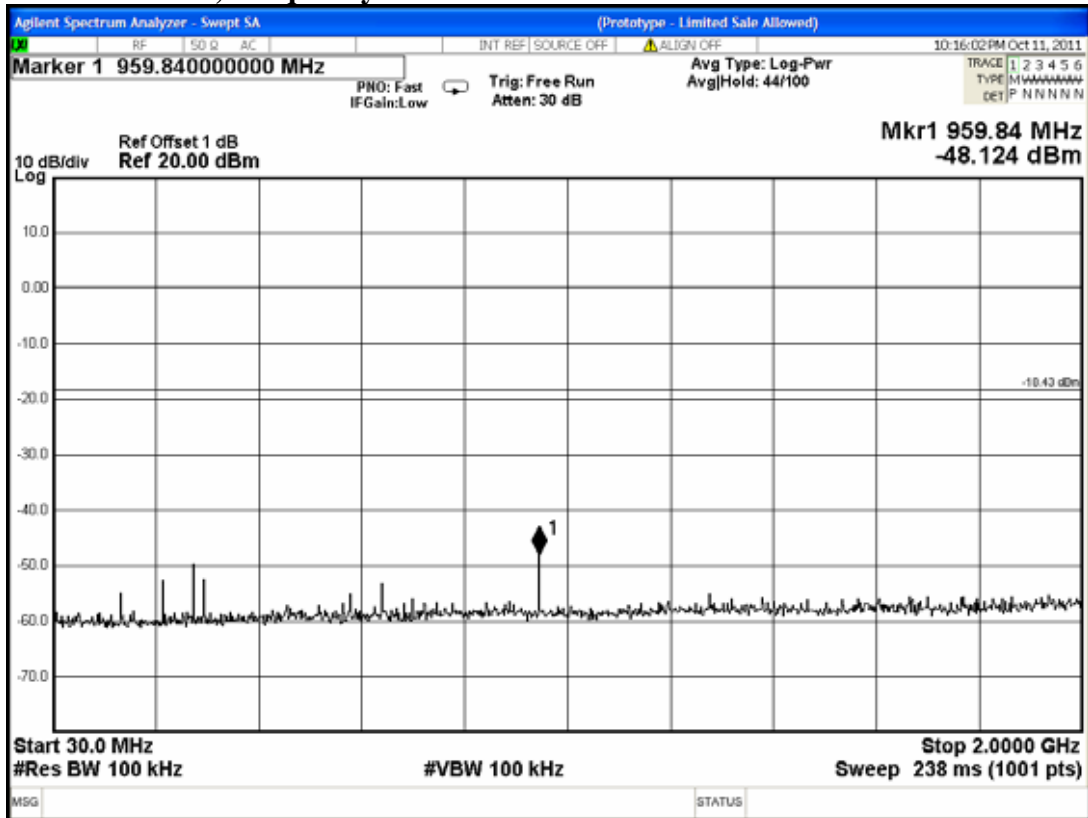
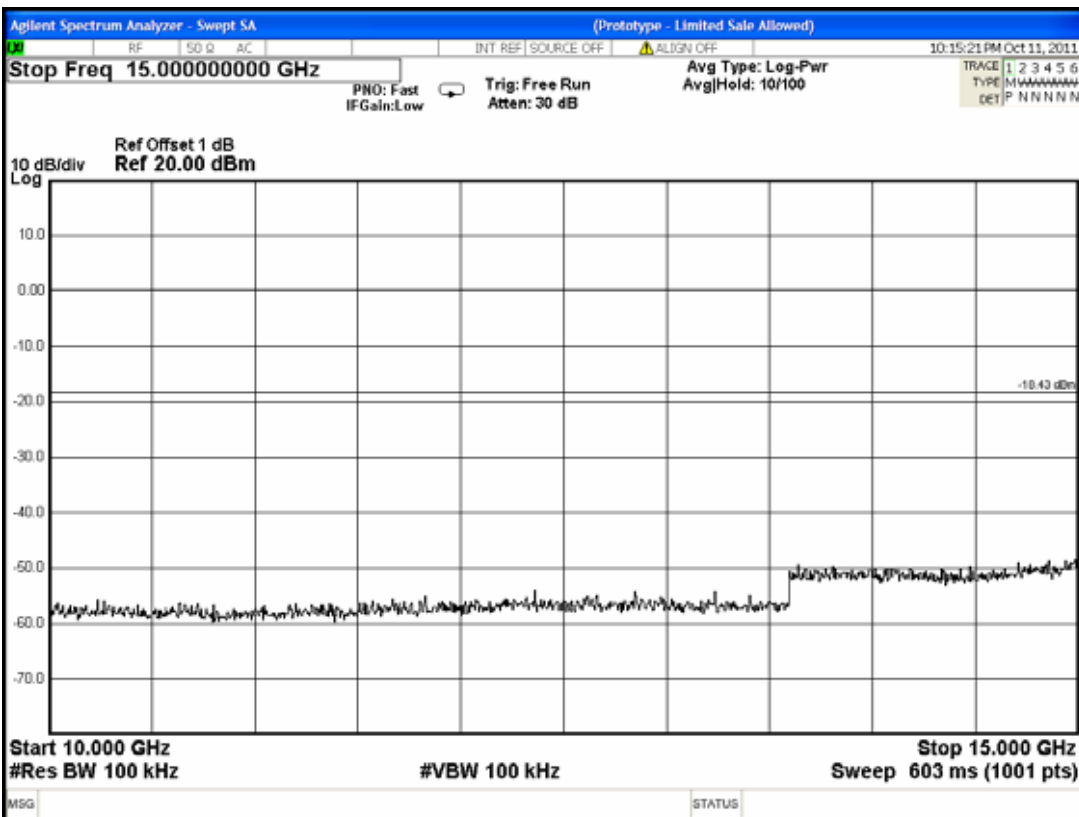
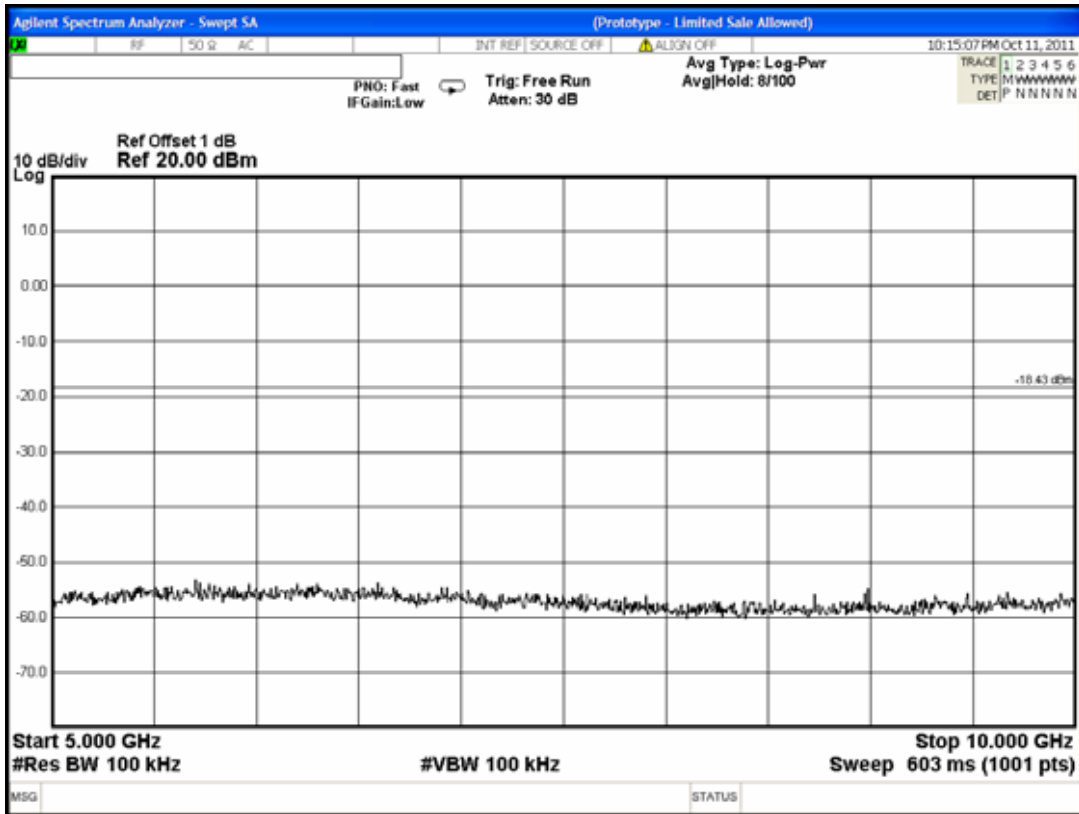
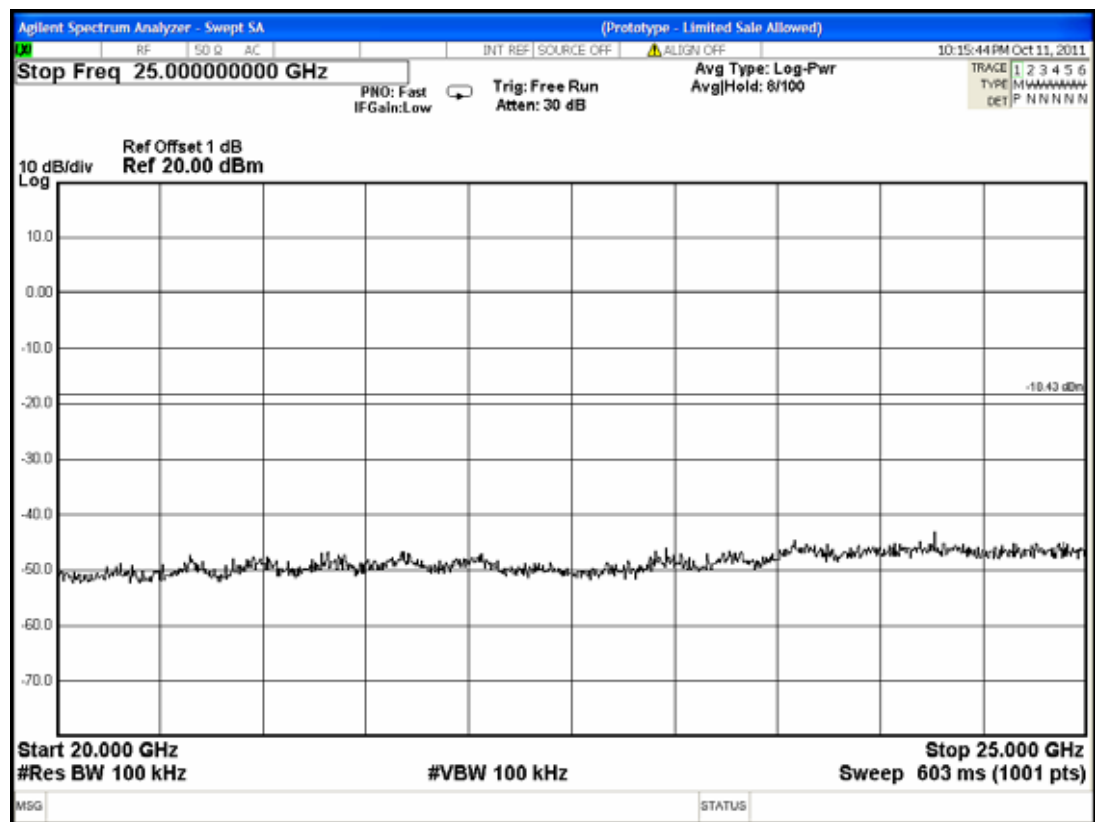
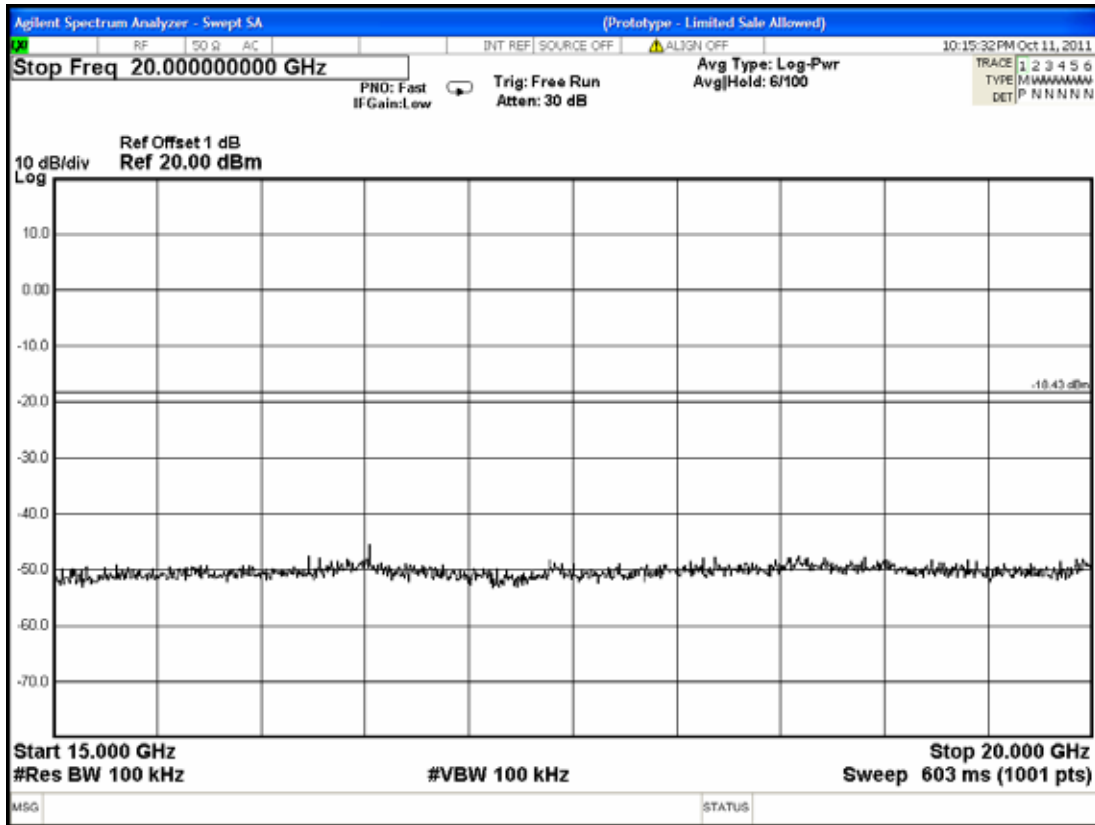


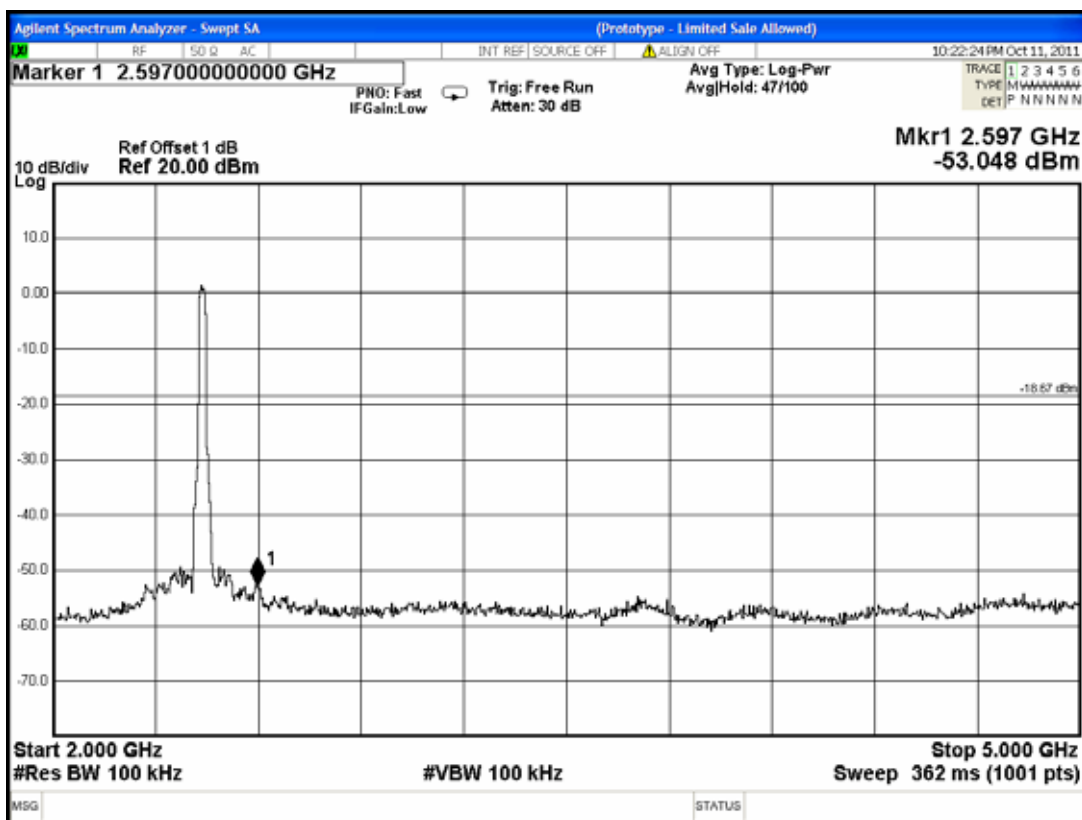
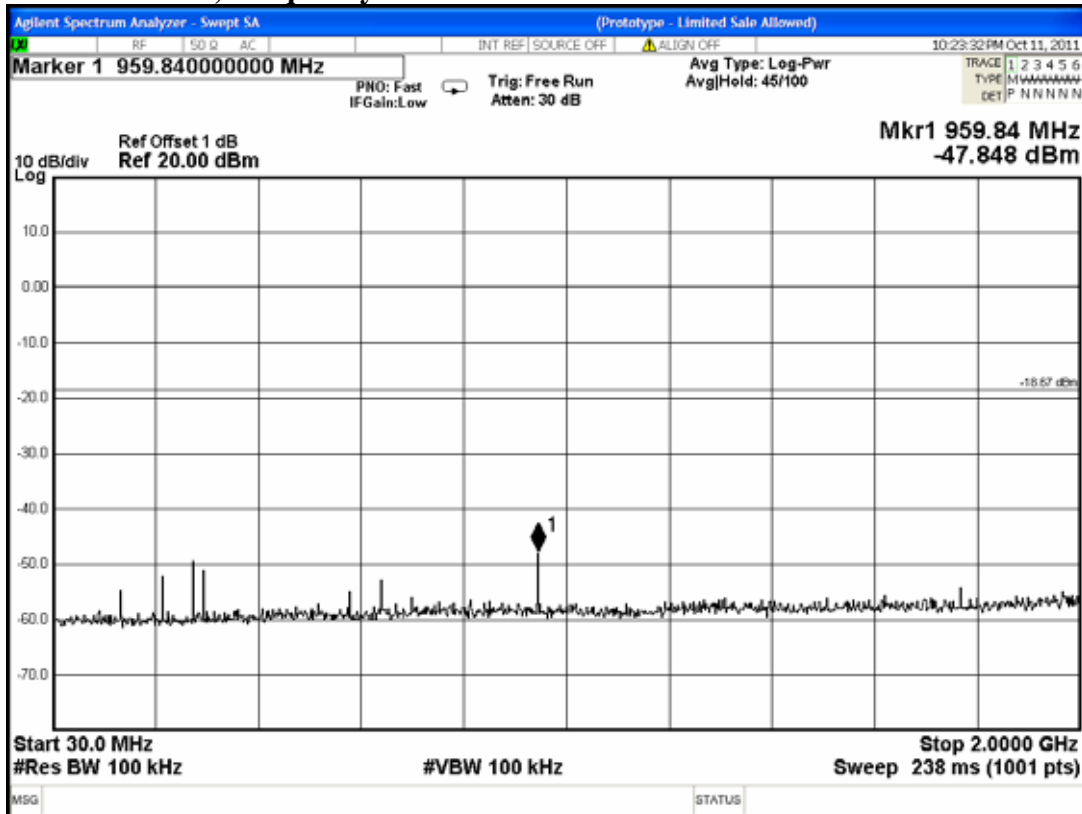
802.11n-HT20, Frequency: 2412MHz

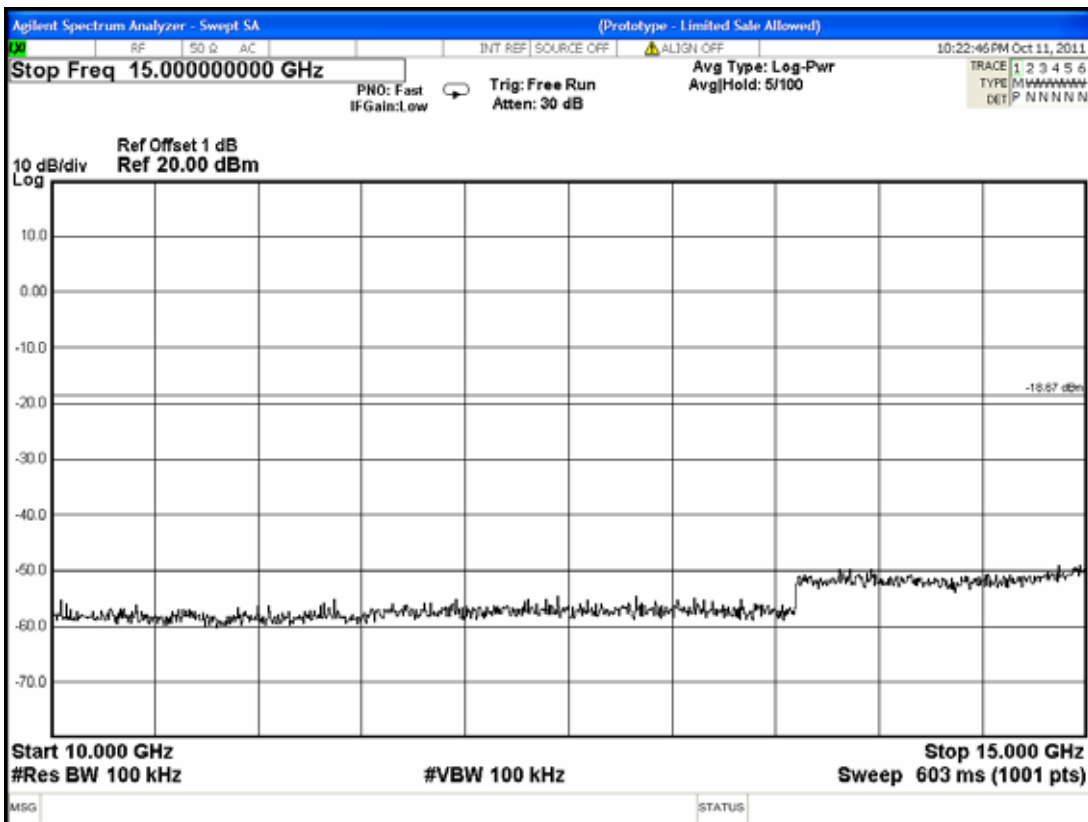
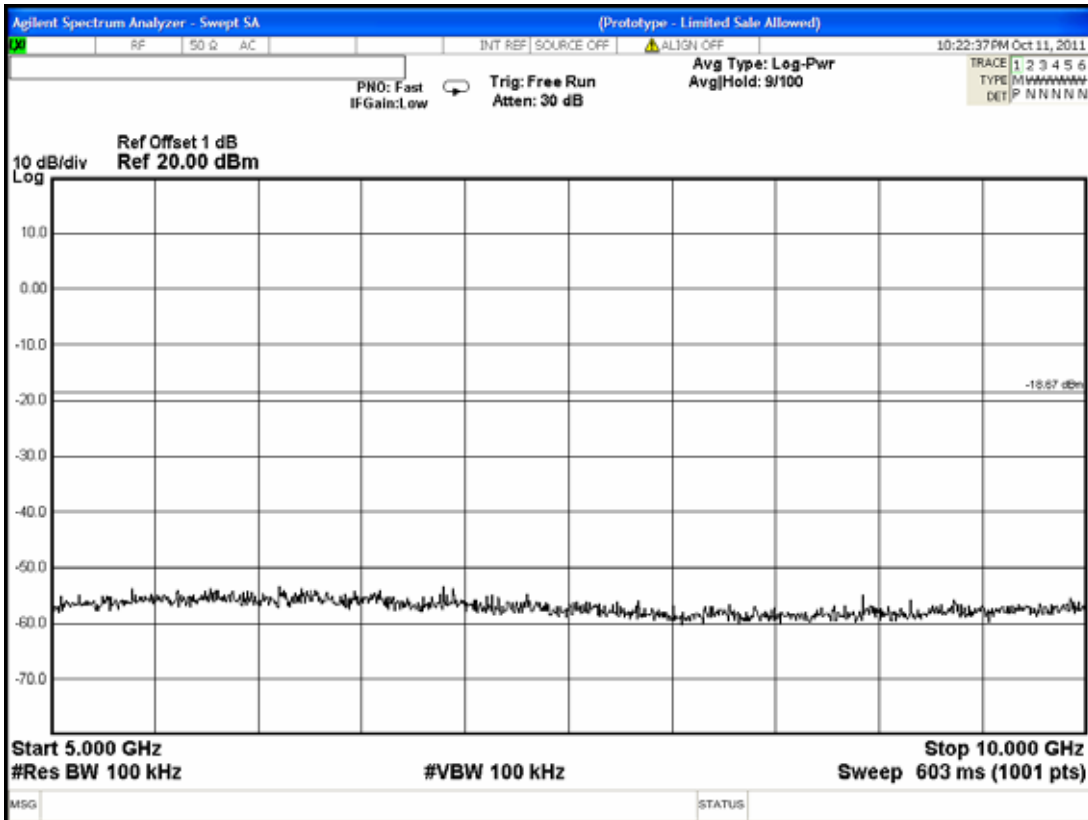


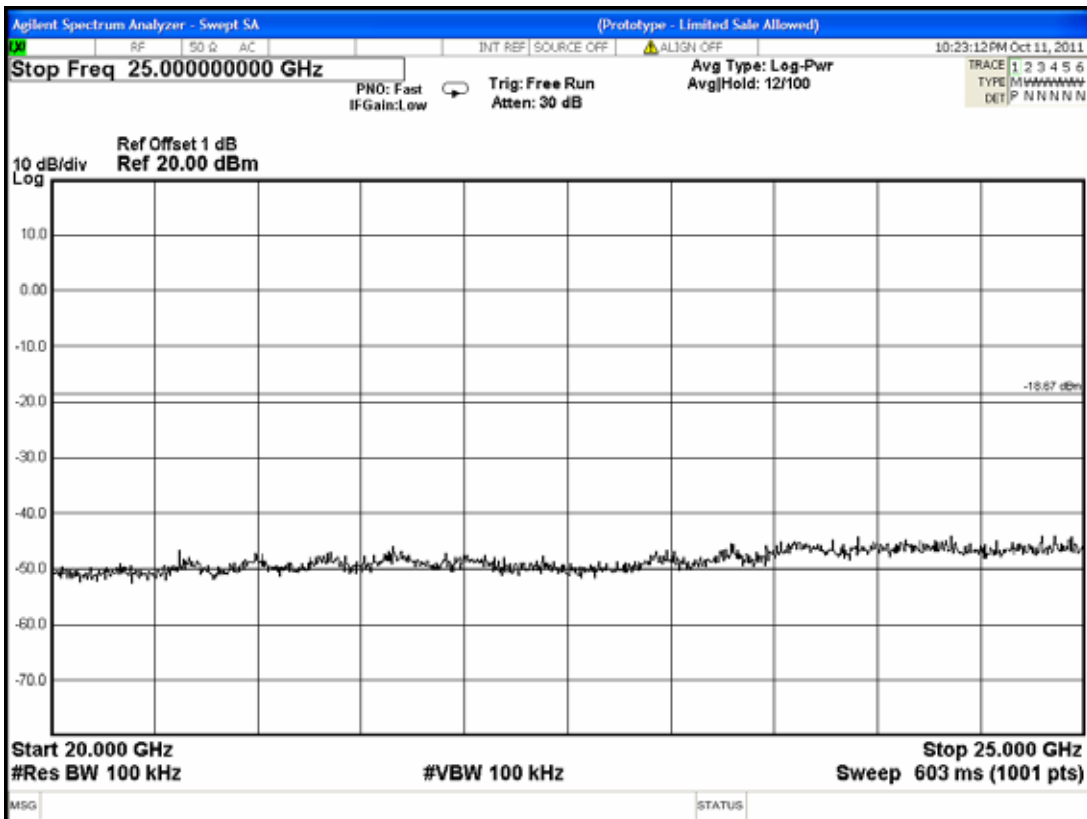
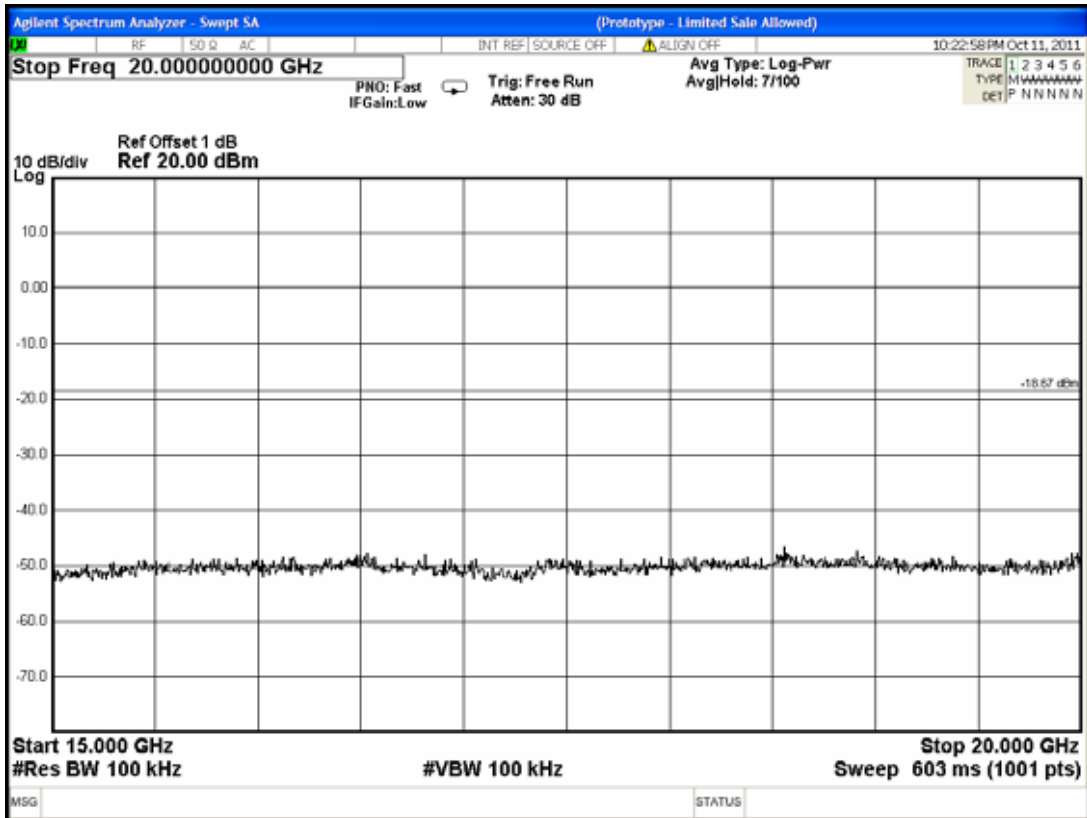




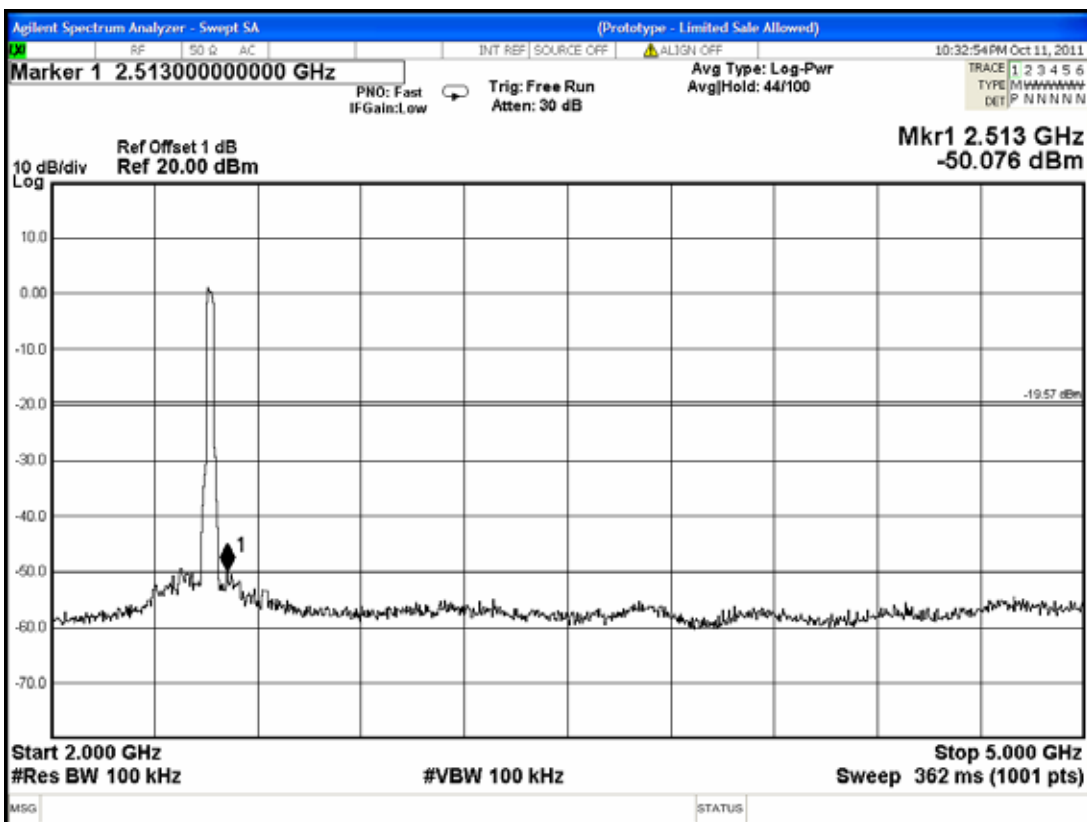
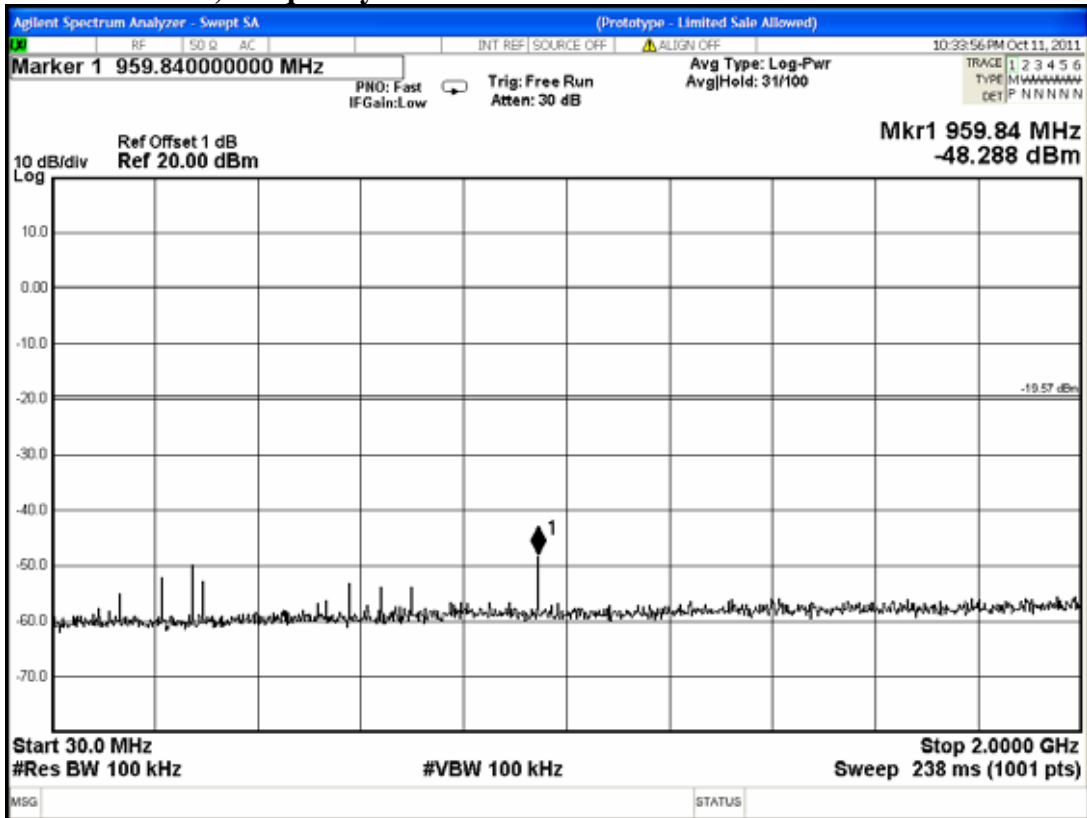
802.11n-HT20, Frequency: 2437MHz

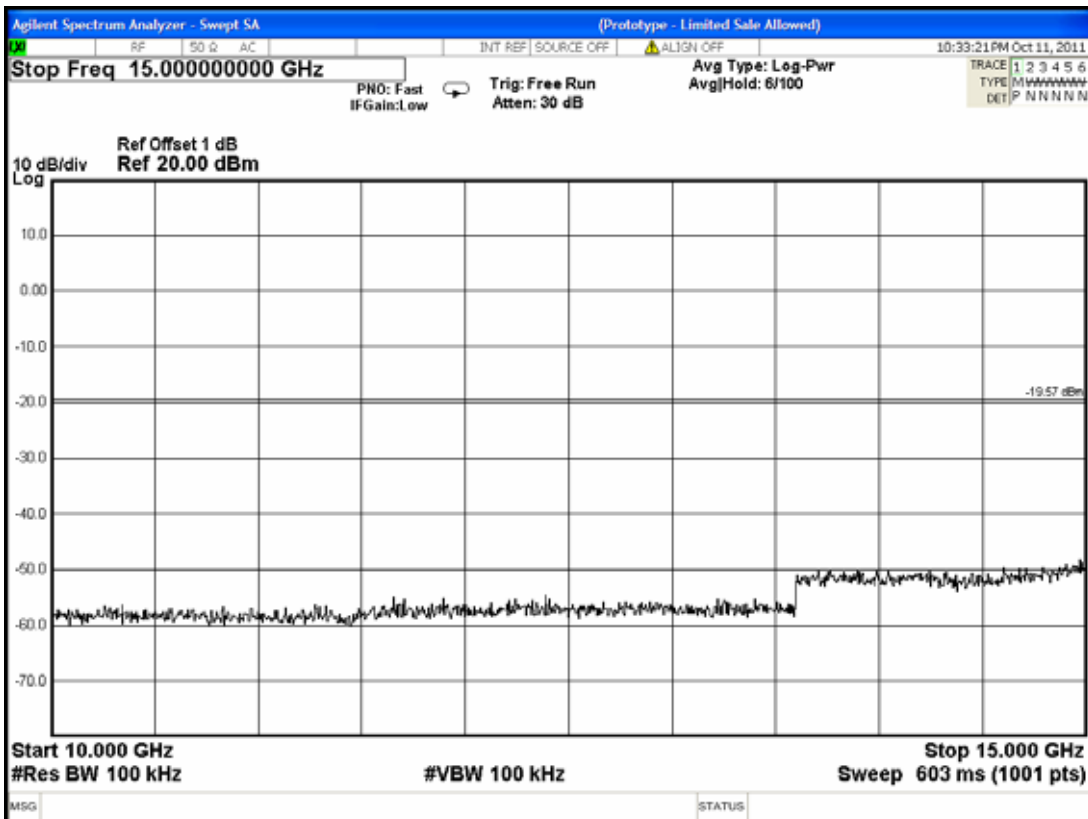
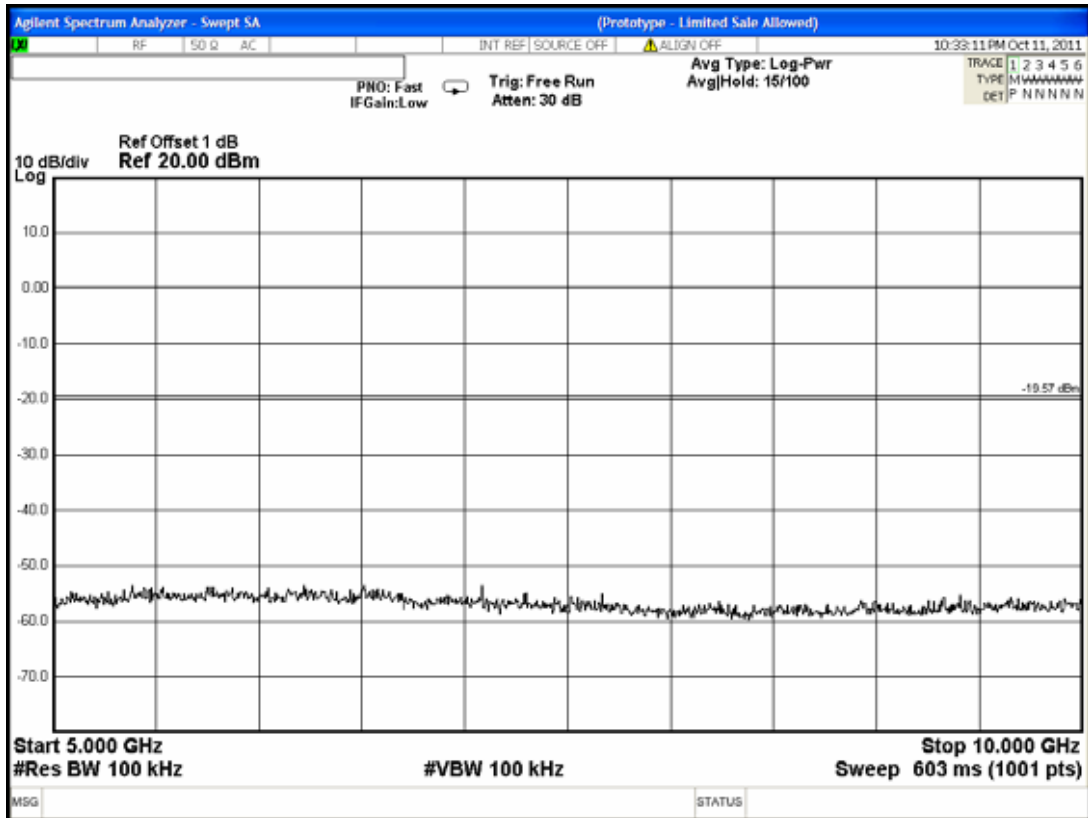


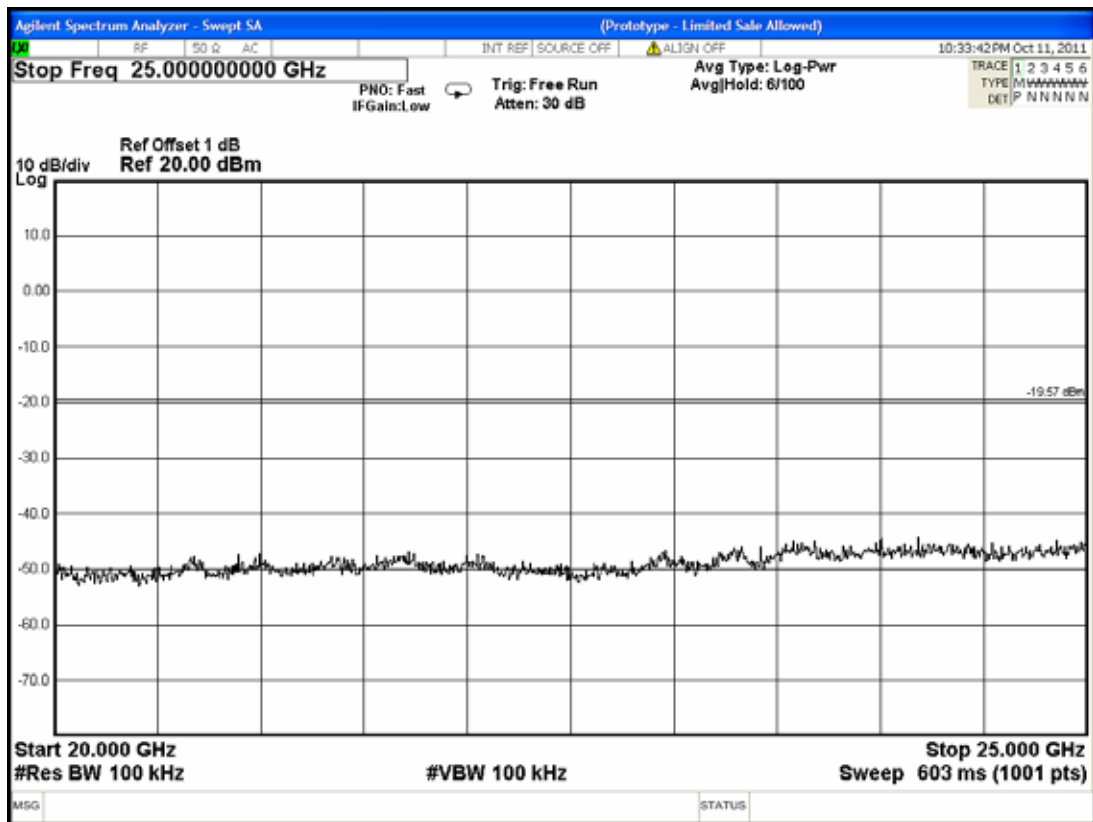
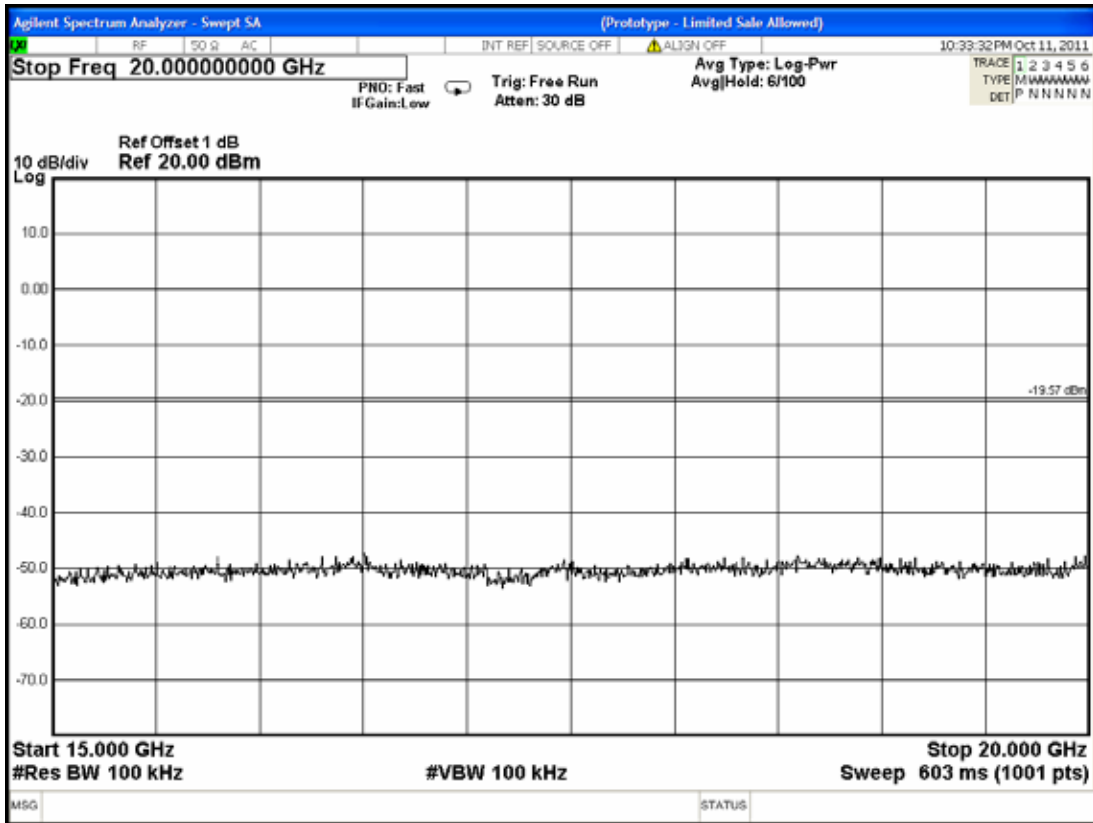




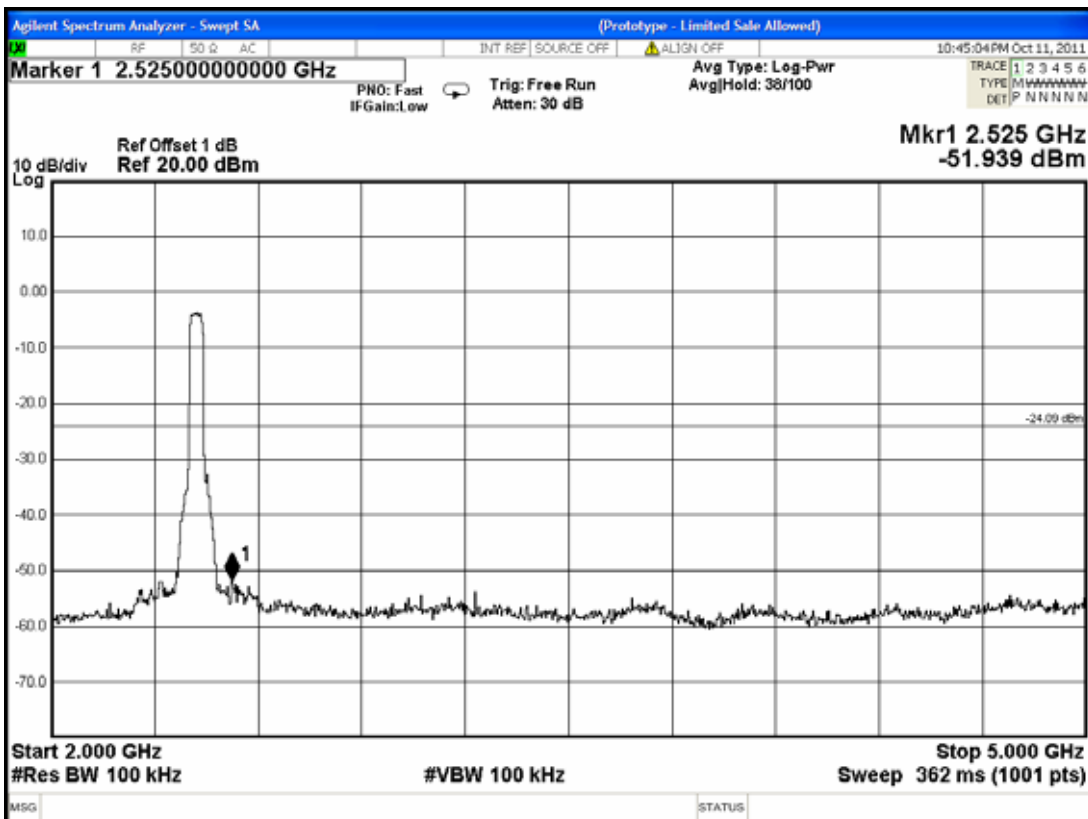
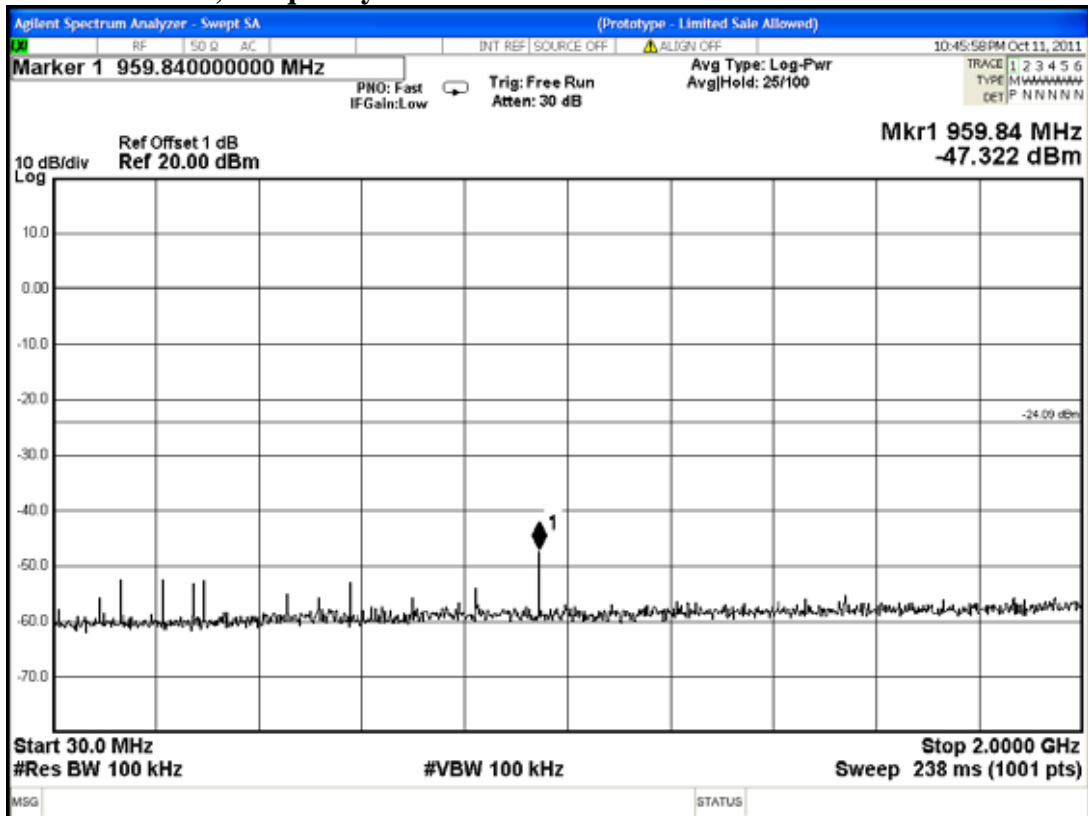
802.11n-HT20, Frequency: 2462MHz

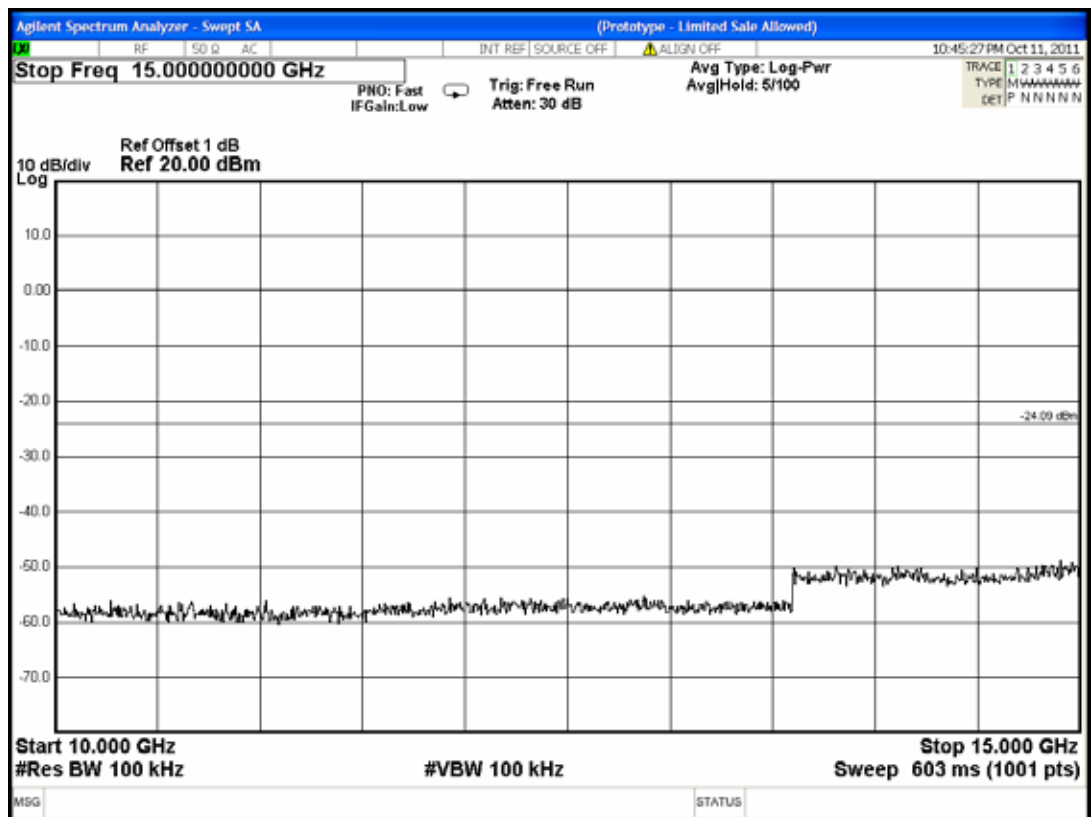
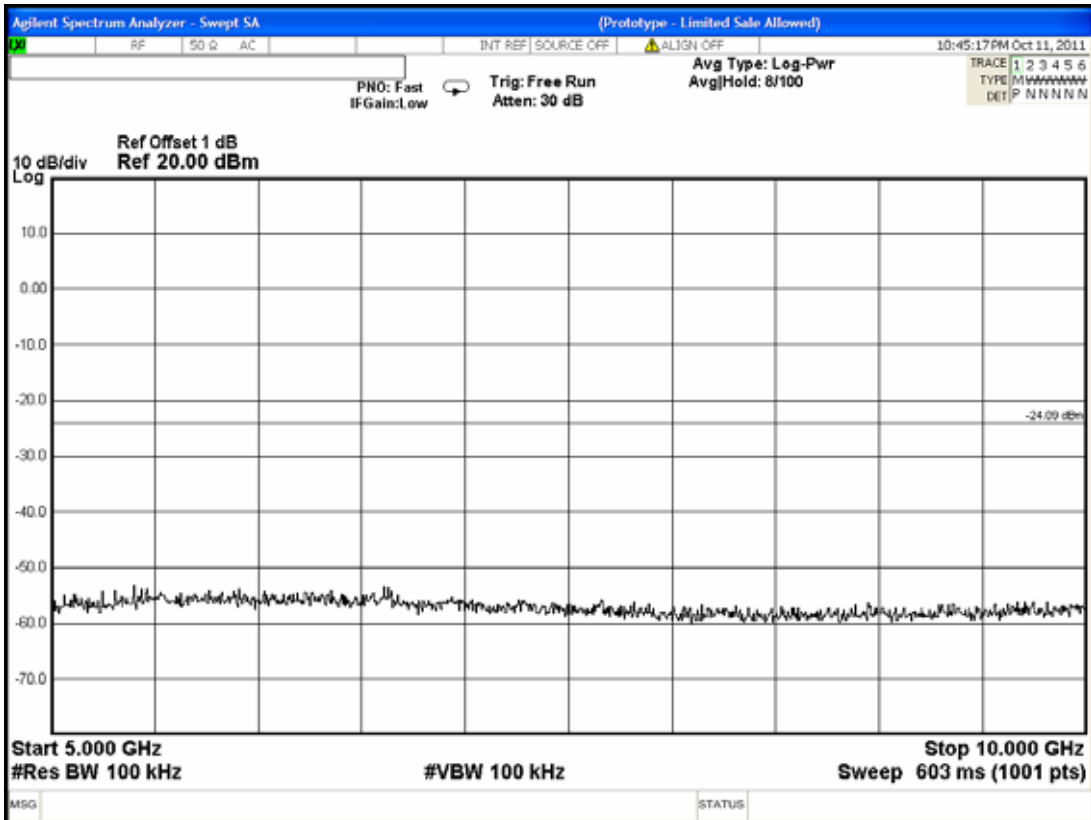


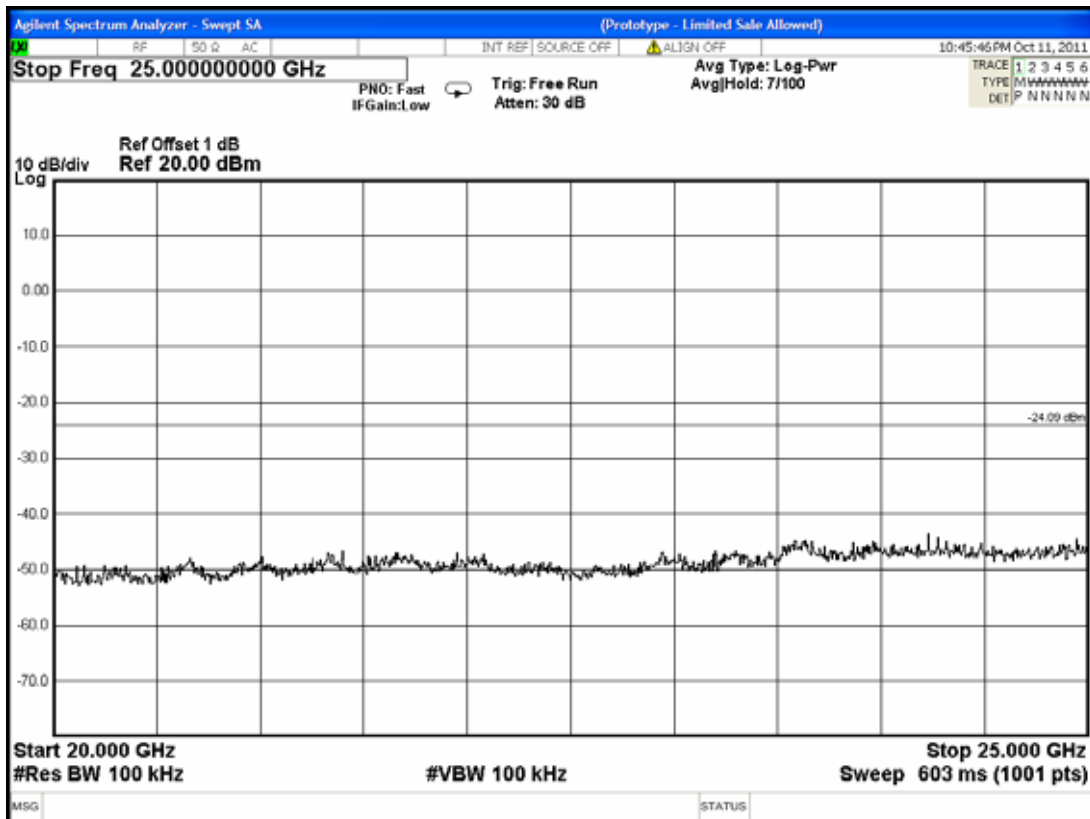
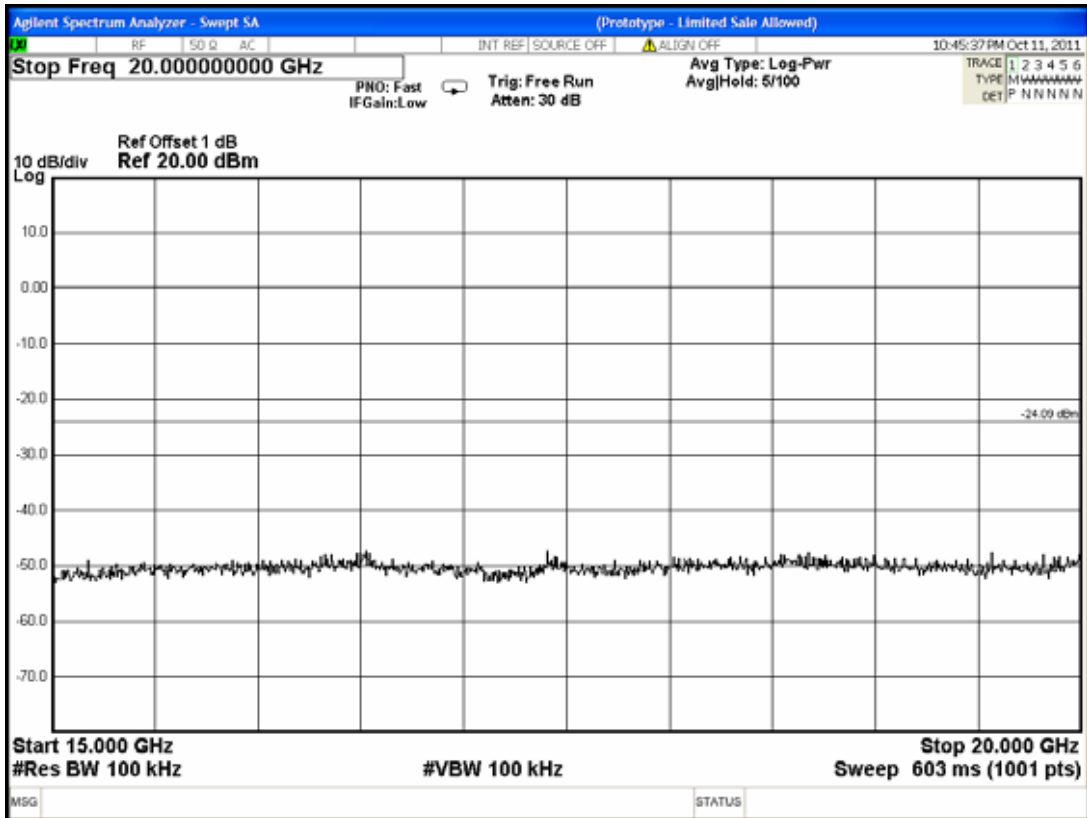




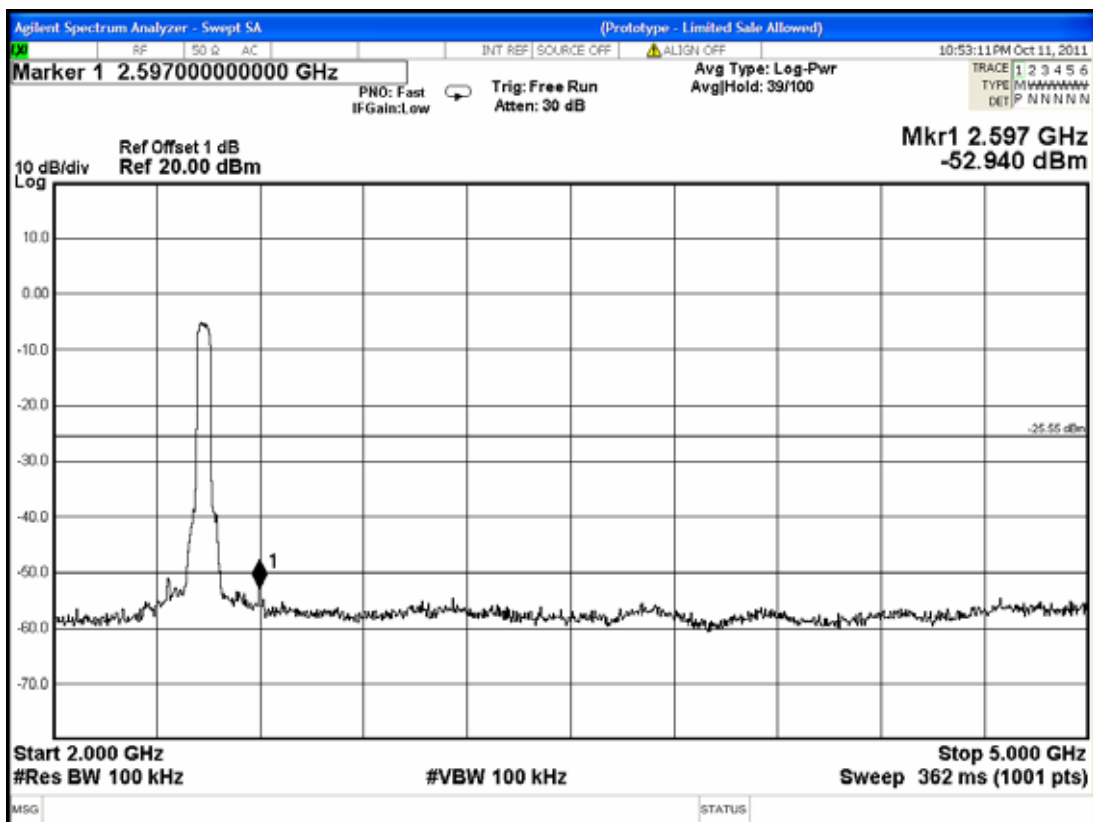
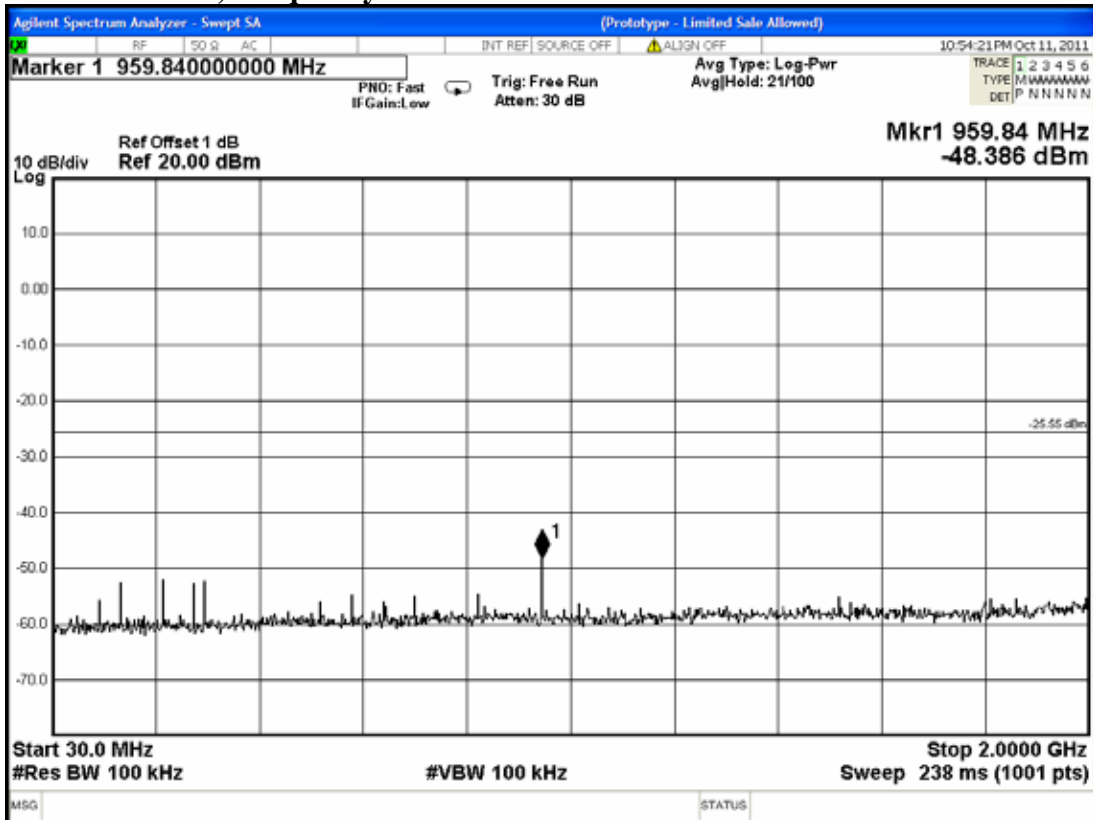
802.11n-HT40, Frequency: 2422MHz

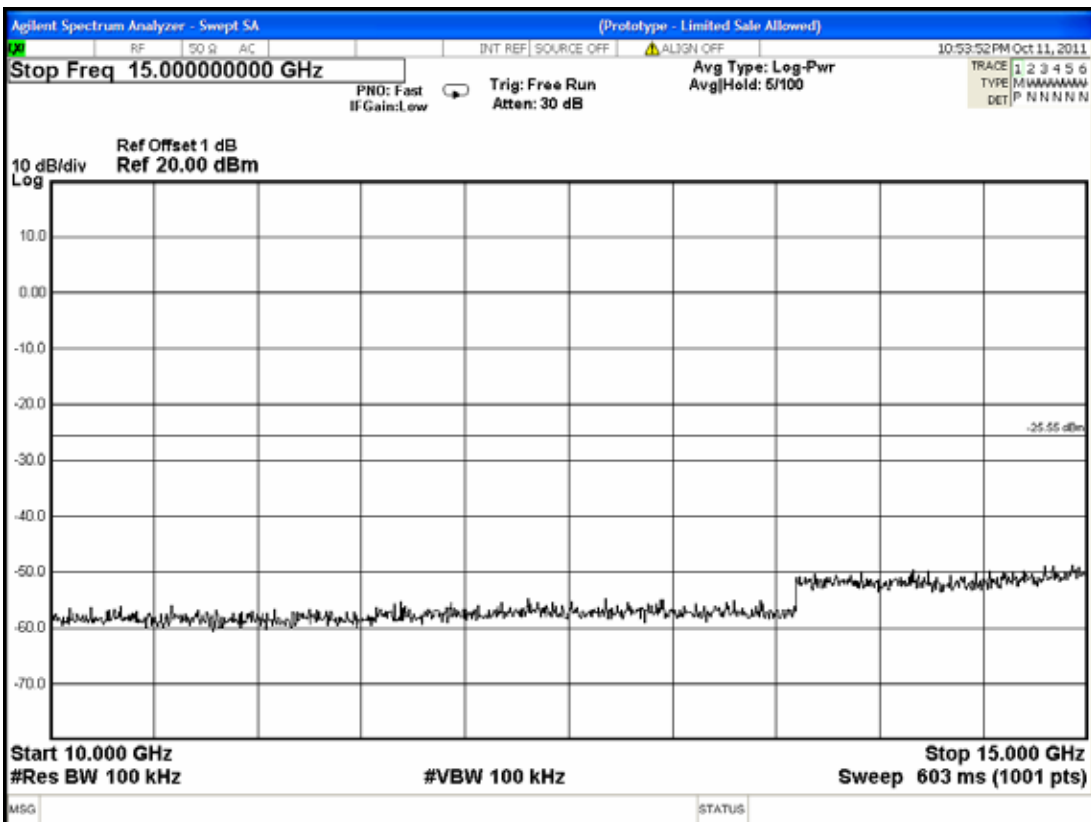
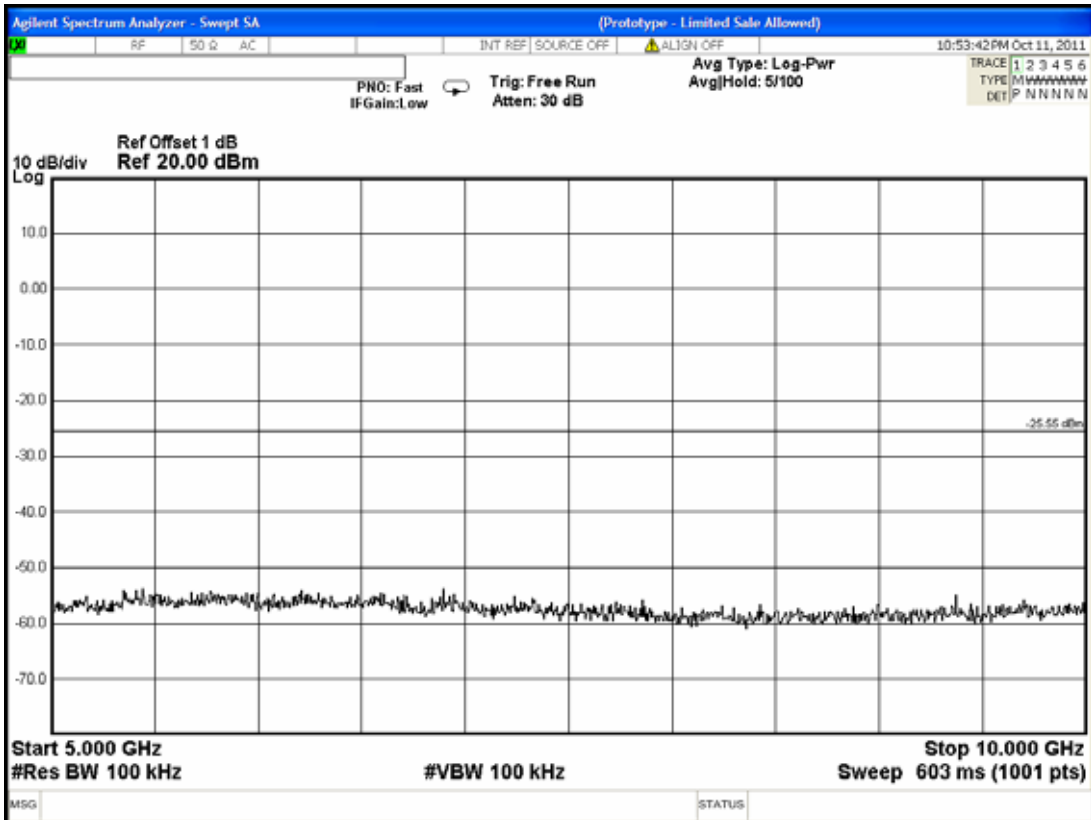


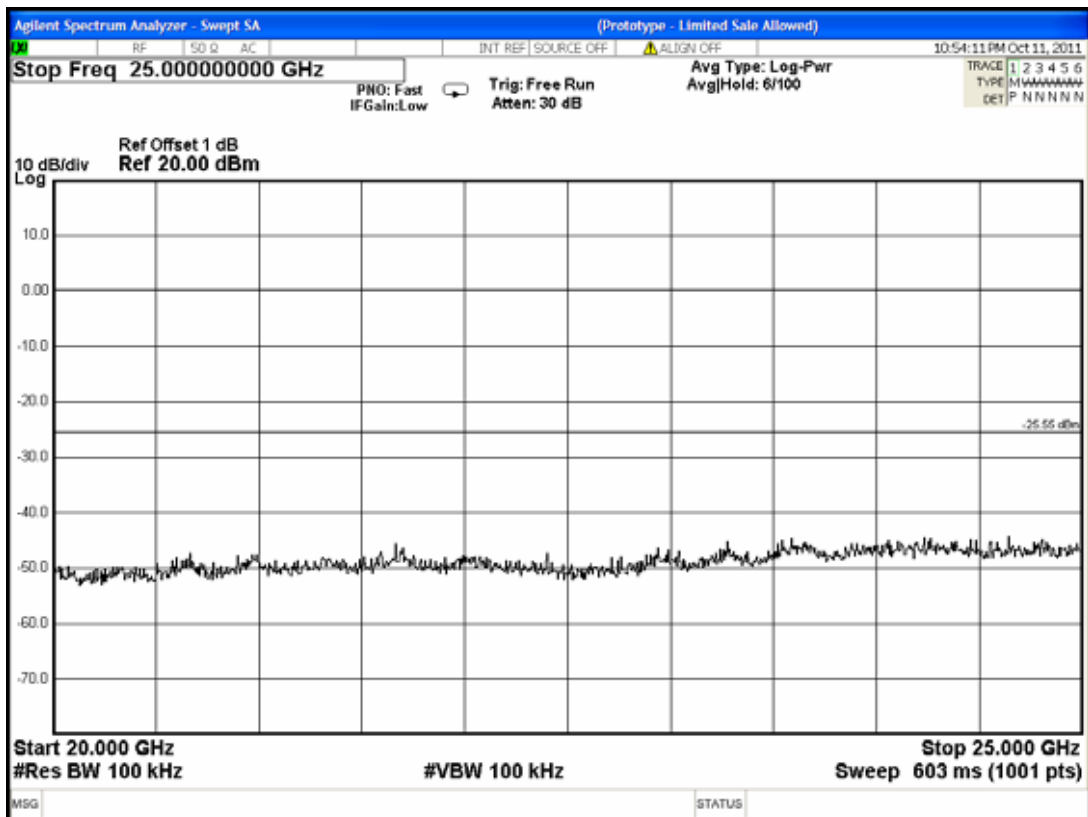
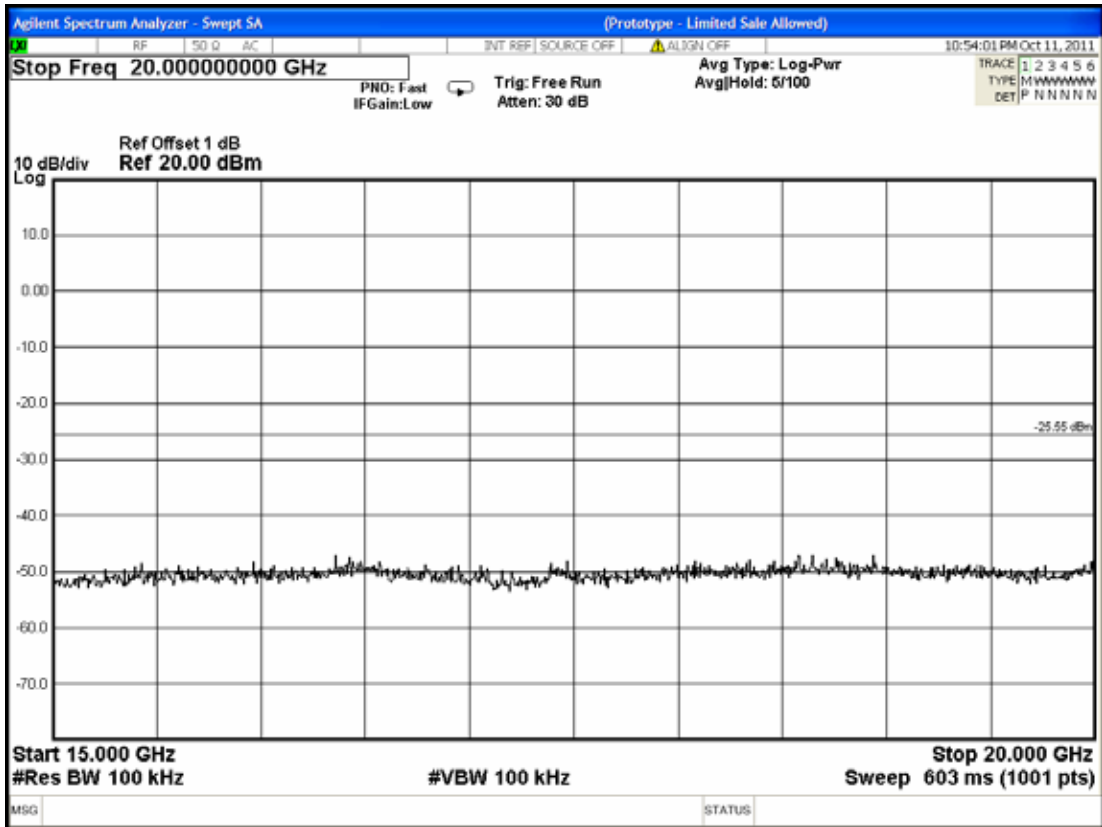




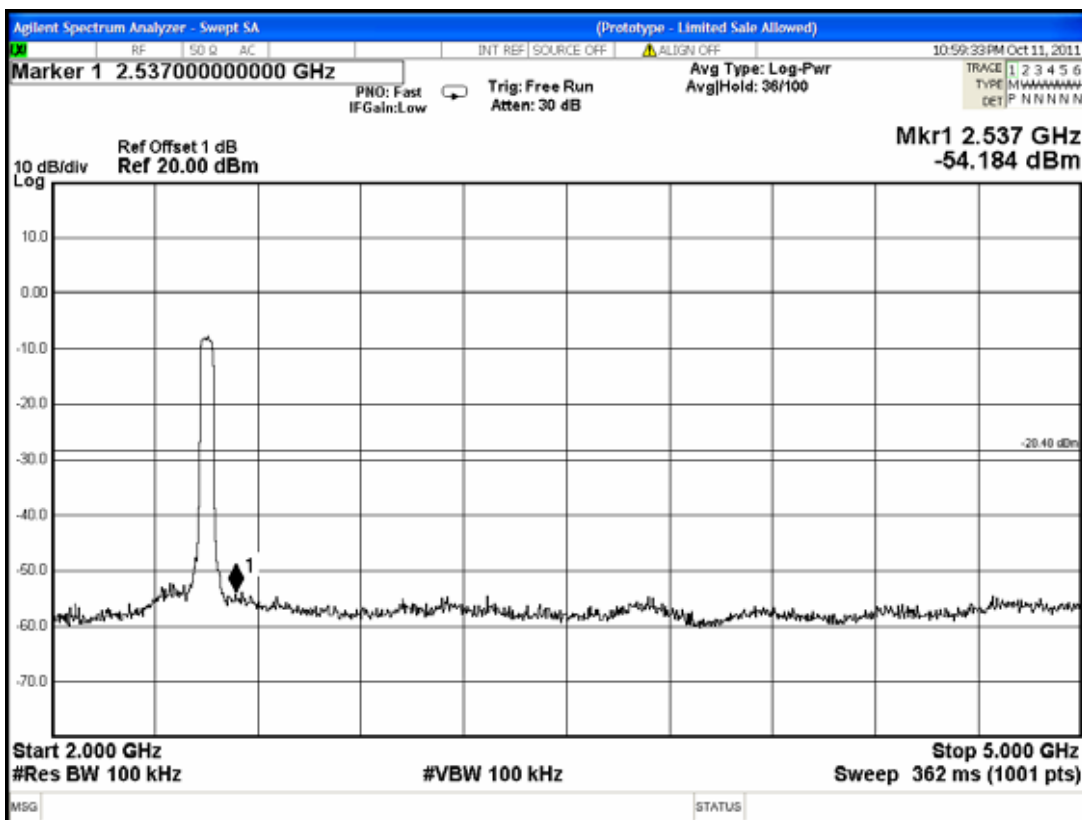
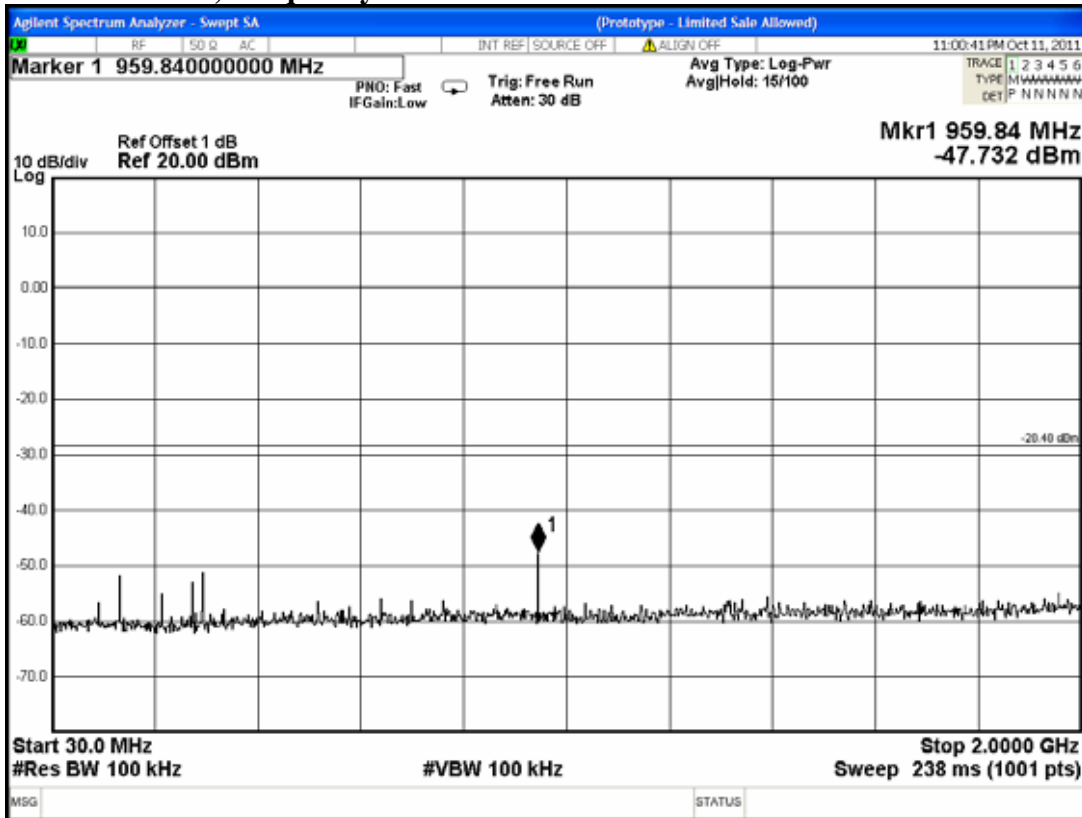
802.11n-HT40, Frequency: 2437MHz

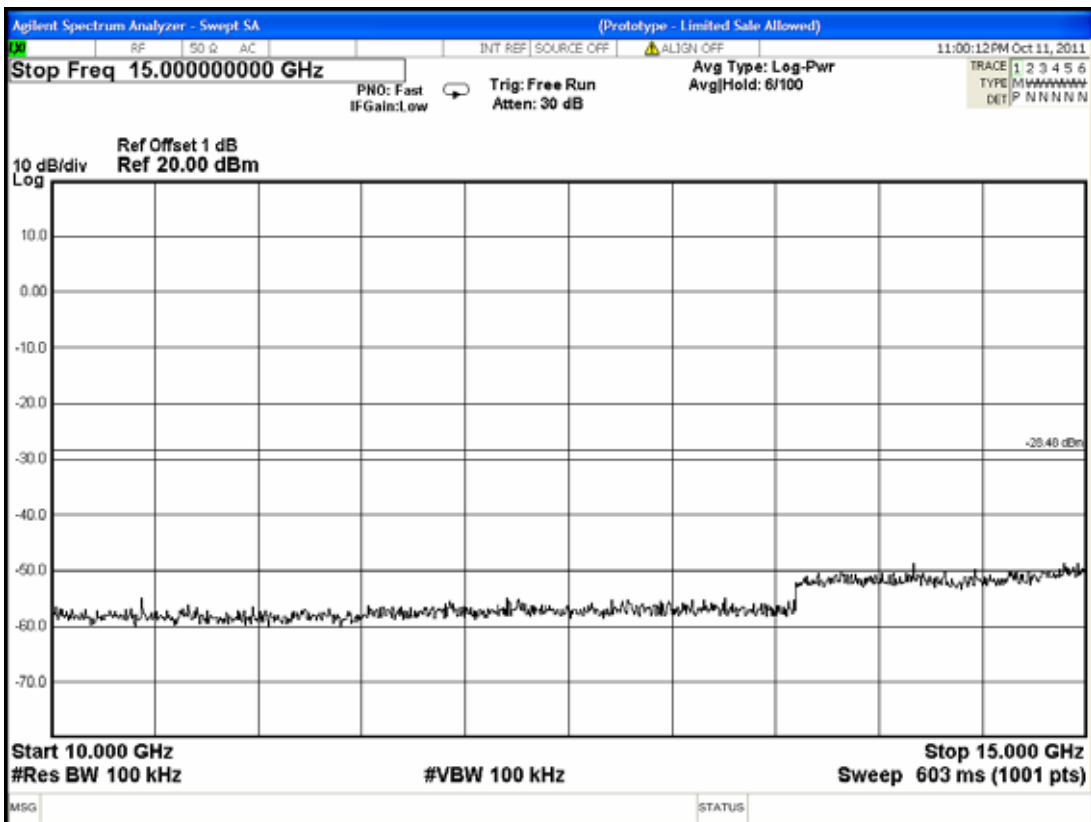
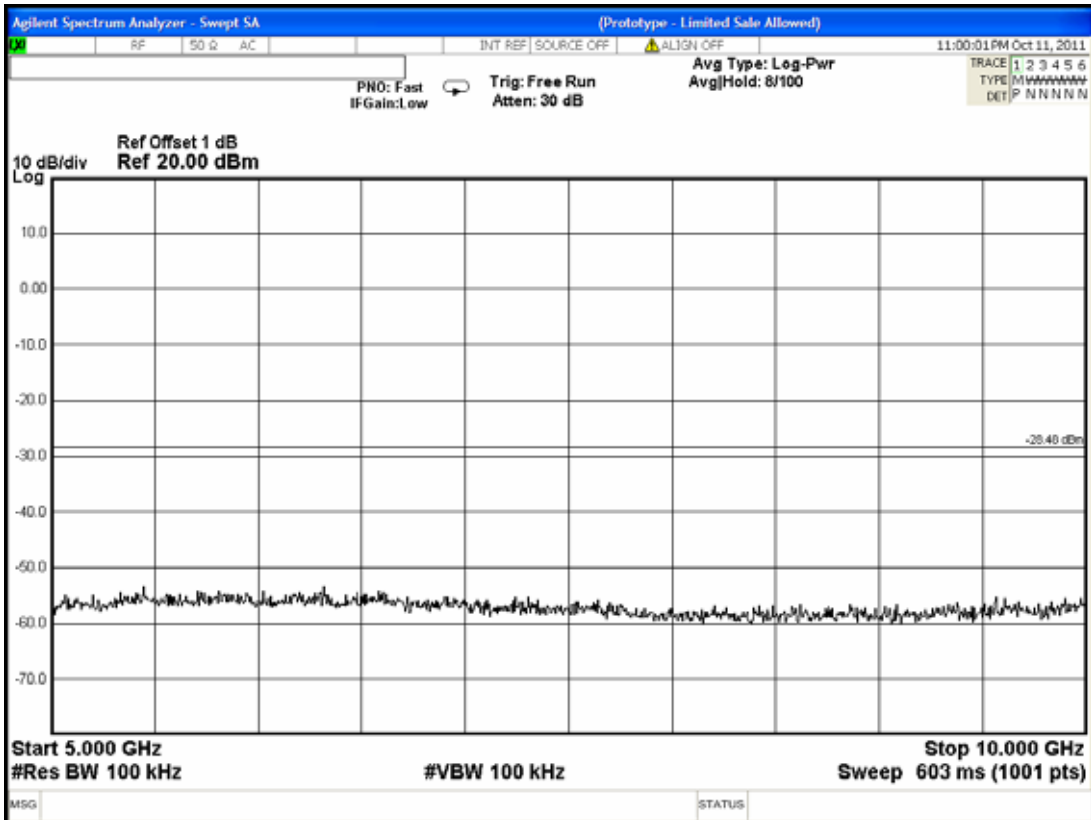


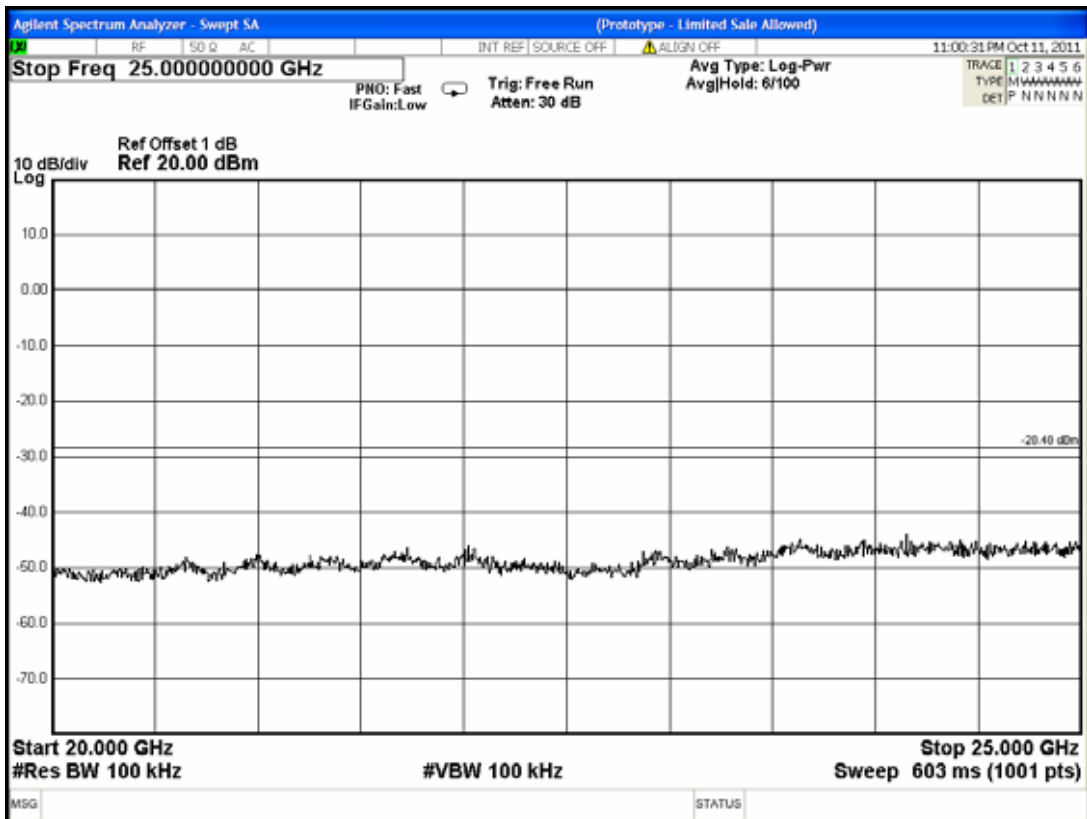
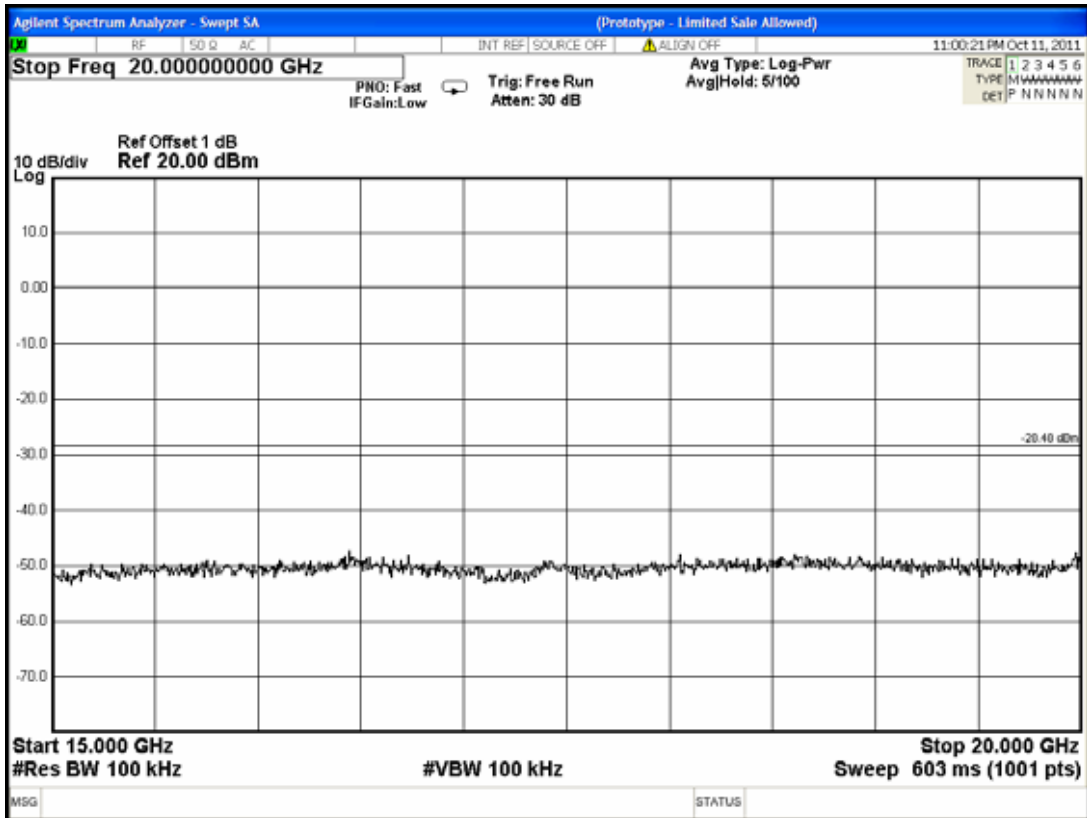




802.11n-HT40, Frequency: 2452MHz







7. BAND EDGES MEASUREMENT

7.1. Test Equipment

The following test equipment was used during the band edges measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	N9010A-507	MY49061167	Feb. 24, 11'	Feb. 23, 12'

7.2. Block Diagram of Test Setup

The same as section.4.2.

7.3. Specification Limits (§15.247(c), RSS-210 A8.5)

The highest level should be at least 20 dB below that in the 100kHz bandwidth.

7.4. Operating Condition of EUT

The test program “QA Tool” was used to enable the EUT to transmit data at different channel frequency individually.

7.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100kHz bandwidth from band edge.

The measurement guideline was according to KDB 558074.

7.6. Test Results

PASSED. All the test results are attached in next pages.

(Test Date: Oct. 11, 2011 Temperature : 26 Humidity : 53%)

802.11b

Below Band edge: The highest emission level is -41.559dBm on 2.39990GHz.

Upper Band edge : The highest emission level is -48.636dBm on 2.48358GHz.

802.11g

Below Band edge: The highest emission level is -29.507dBm on 2.39990GHz.

Upper Band edge : The highest emission level is -35.322dBm on 2.48358GHz.

802.11n-HT20

Below Band edge: The highest emission level is -31.123dBm on 2.39990GHz.

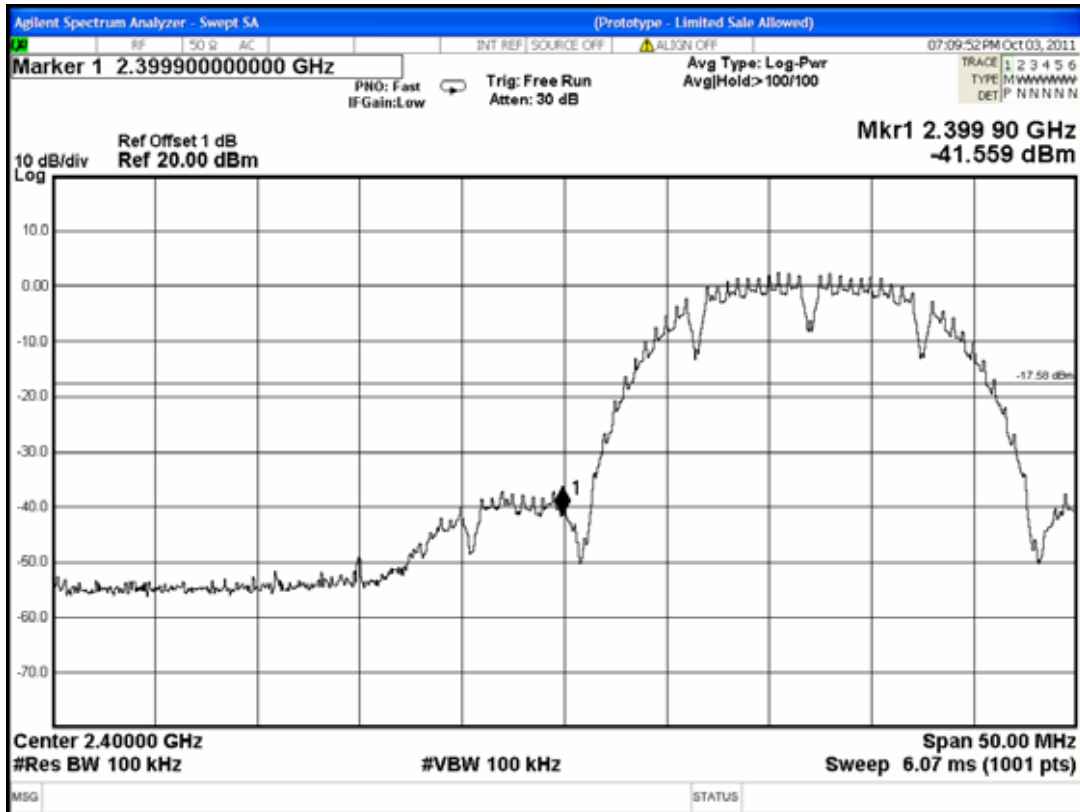
Upper Band edge : The highest emission level is -39.303dBm on 2.48358GHz.

802.11n-HT40

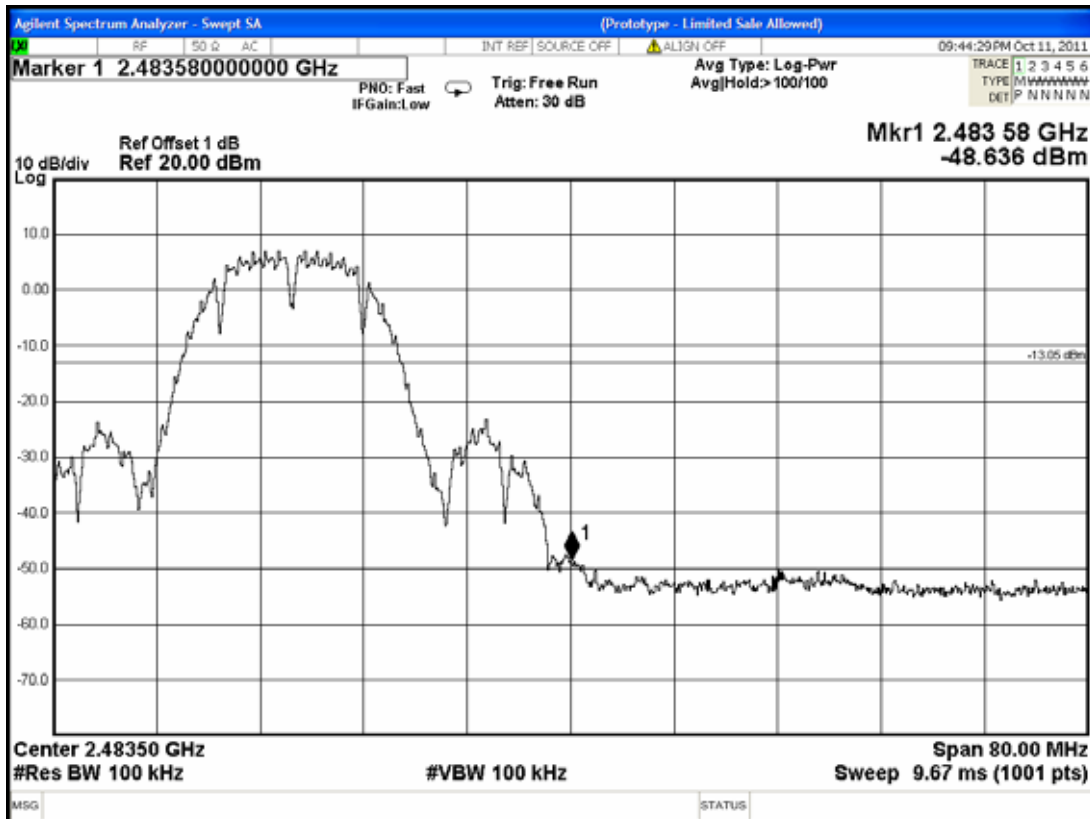
Below Band edge: The highest emission level is -34.154dBm on 2.39990GHz.

Upper Band edge : The highest emission level is -48.737dBm on 2.48350GHz.

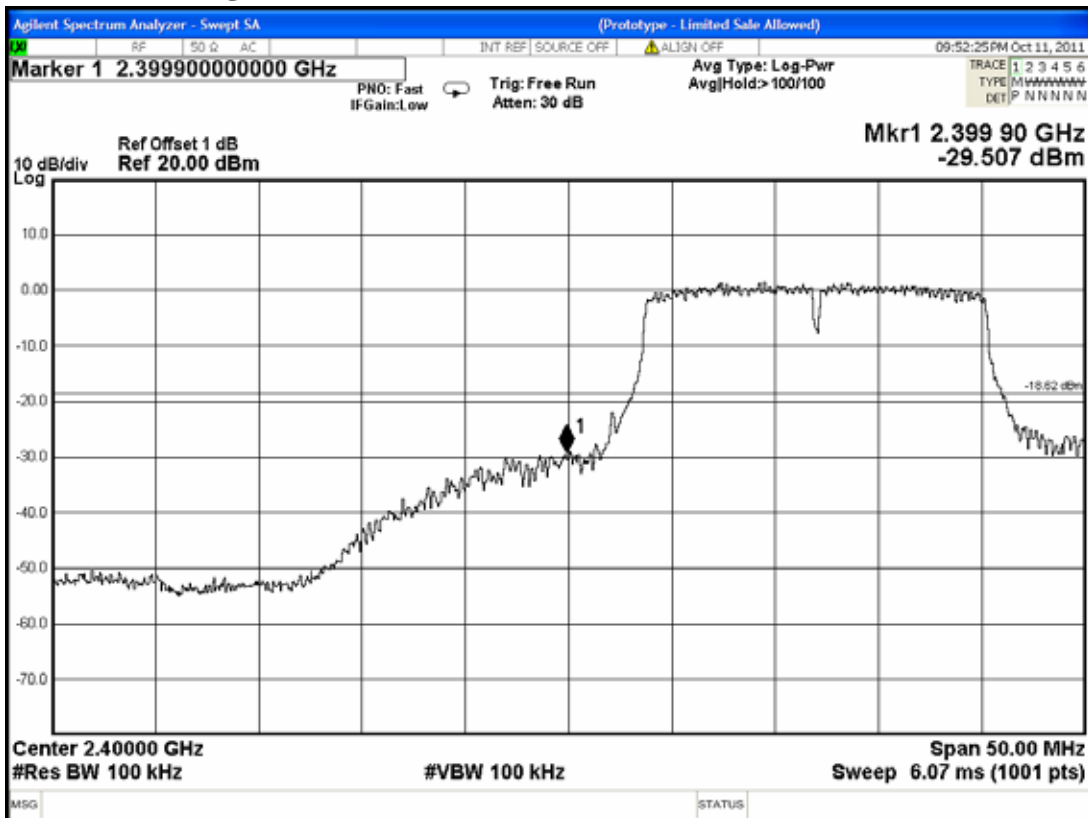
802.11b
Below Band edge



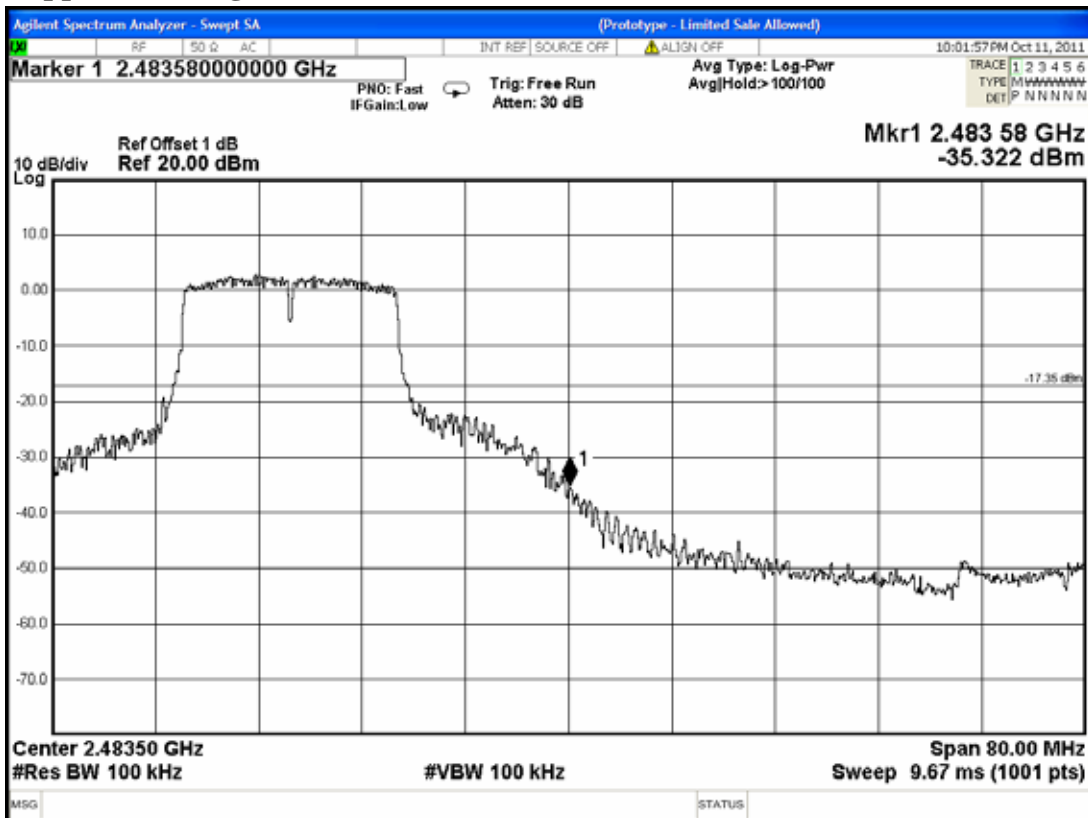
Upper Band edge



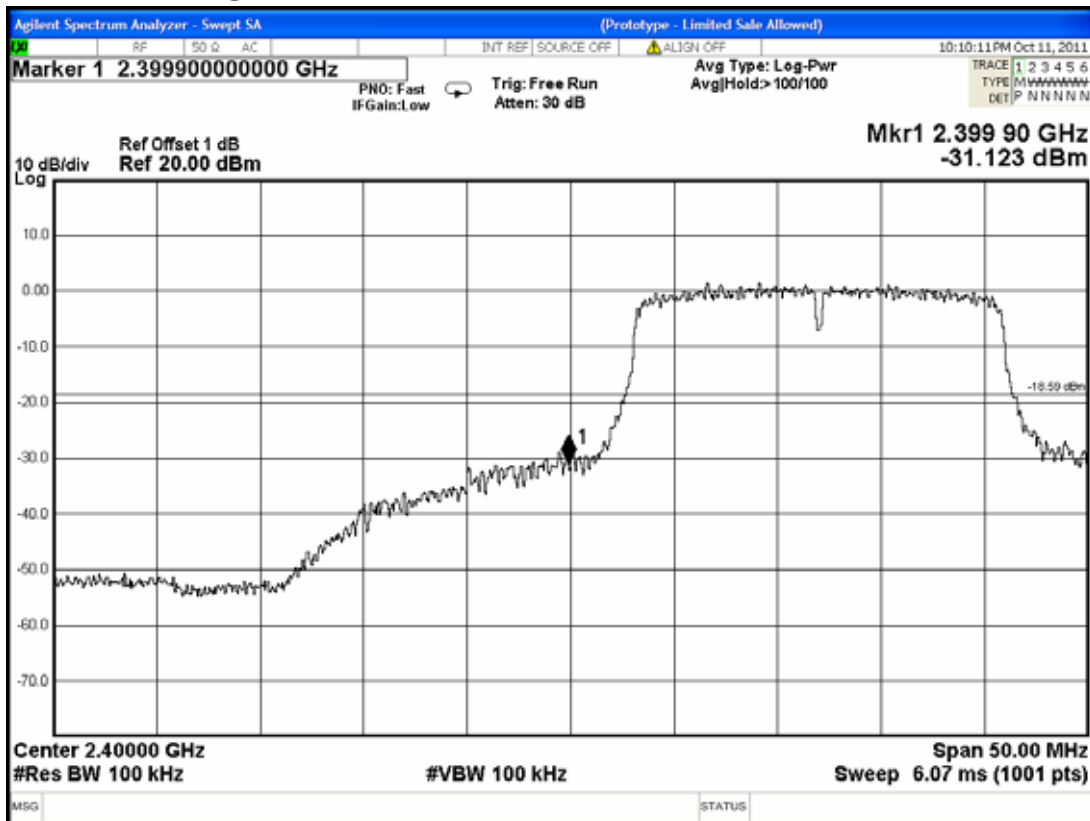
802.11g Below Band edge



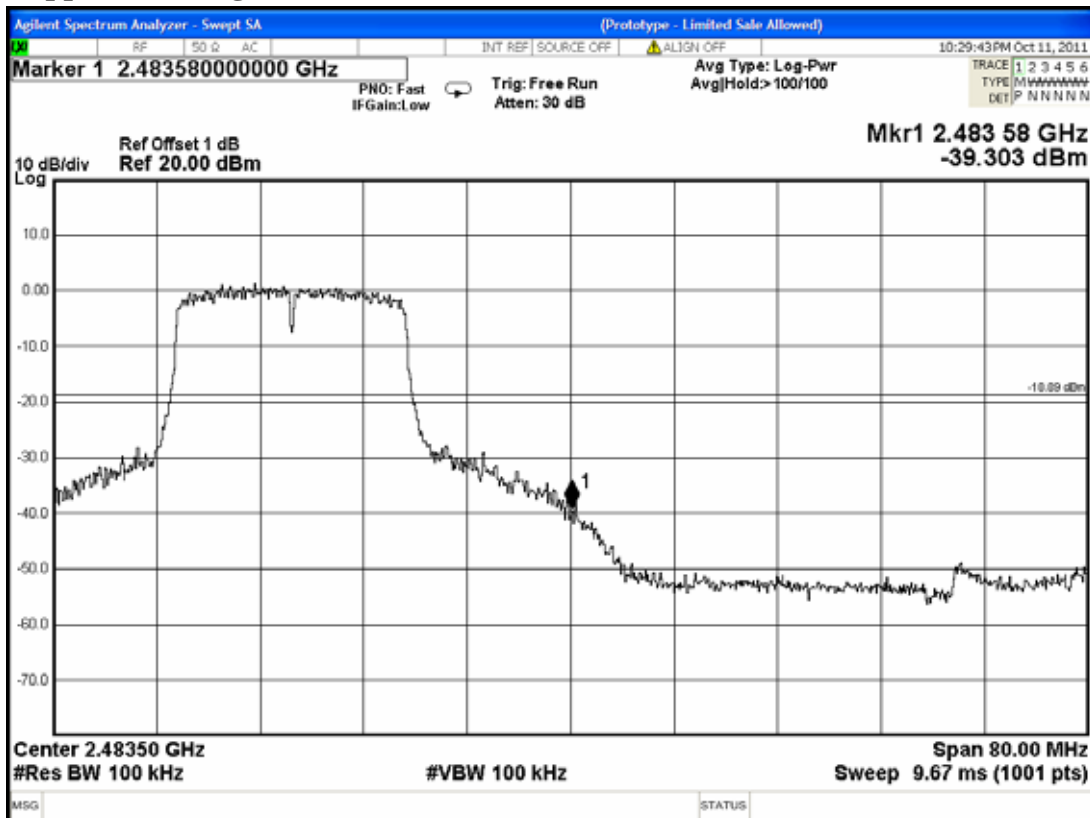
Upper Band edge



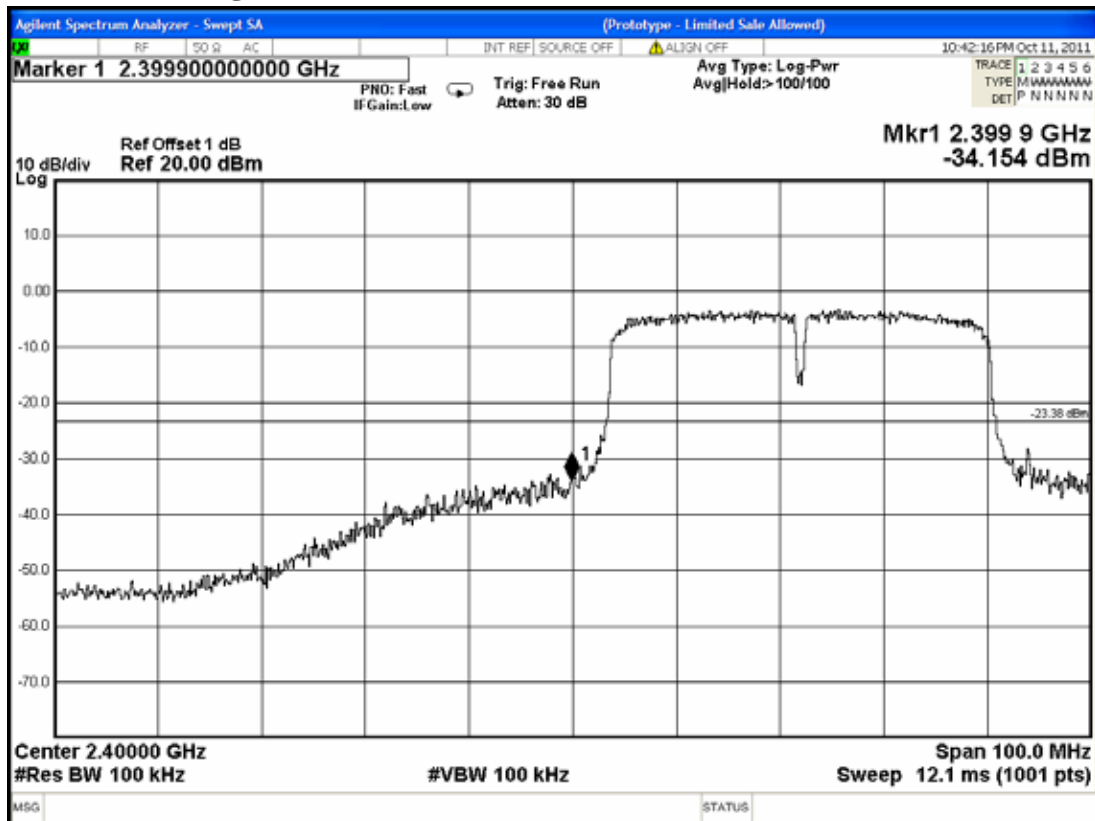
802.11n-HT20 Below Band edge



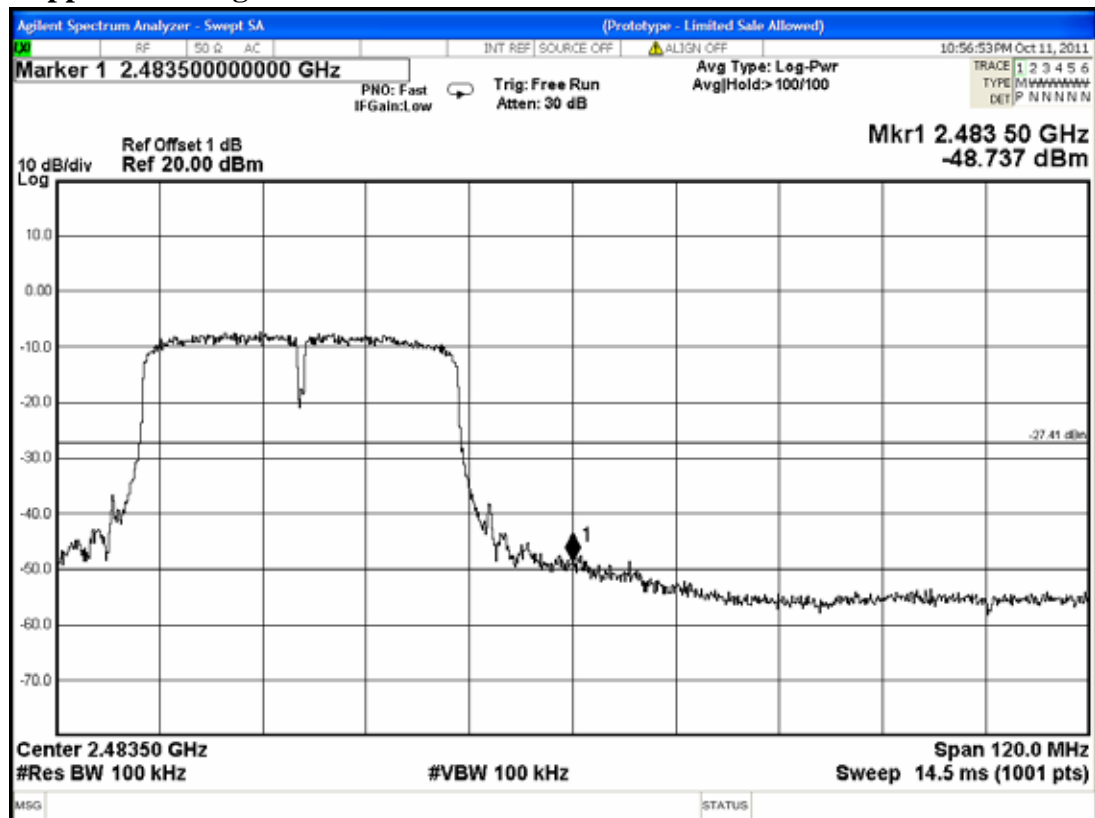
Upper Band edge



802.11n-HT40 Below Band edge



Upper Band edge



8. POWER SPECTRAL DENSITY MEASUREMENT

8.1. Test Equipment

The following test equipment was used during the power spectral density measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	N9010A-507	MY49061167	Feb. 24, 11'	Feb. 23, 12'

8.2. Block Diagram of Test Setup

The same as section.4.2.

8.3. Specification Limits (§15.247(d), RSS-210 A8.2 (b))

The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band.

8.4. Operating Condition of EUT

The test program “QA Tool” was used to enable the EUT to transmit data at different channel frequency individually.

8.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3kHz RBW and 30kHz VBW, set sweep time = span/3kHz.

The measurement guideline was according to KDB 558074.

8.6. Test Results

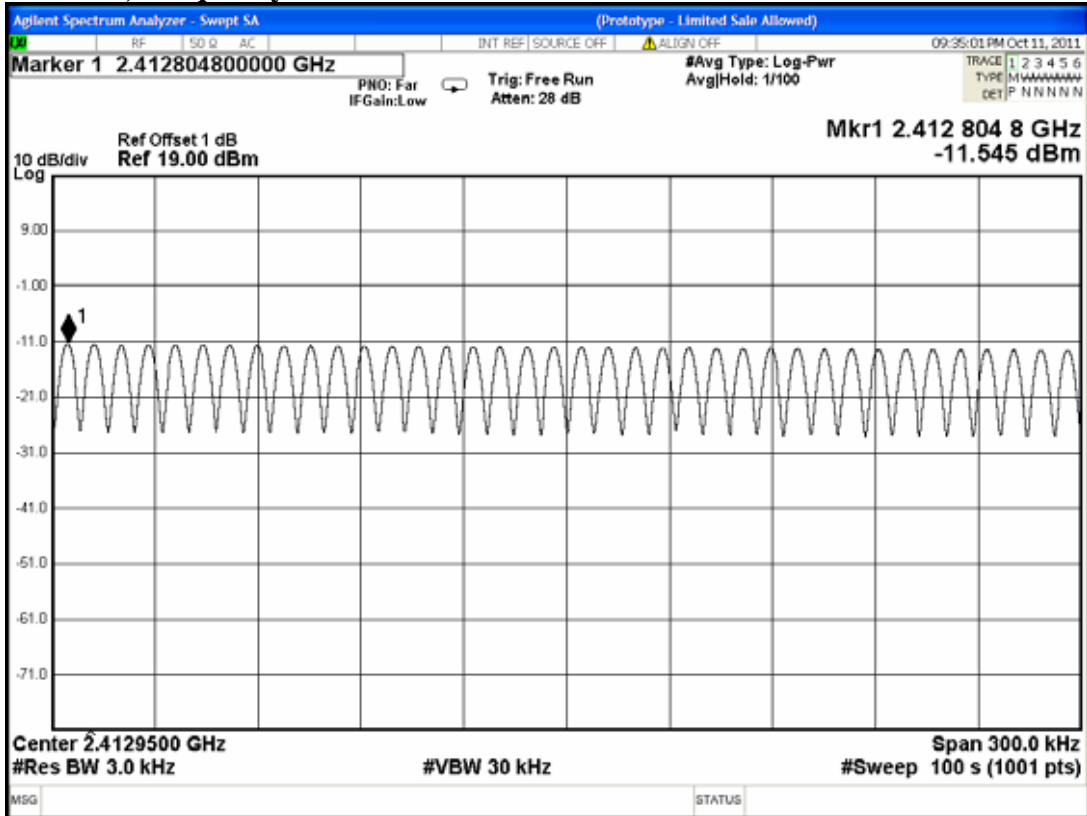
PASSED. All the test results are attached in next pages.

(Test Date: Oct. 11, 2011 Temperature : 26 Humidity : 53%)

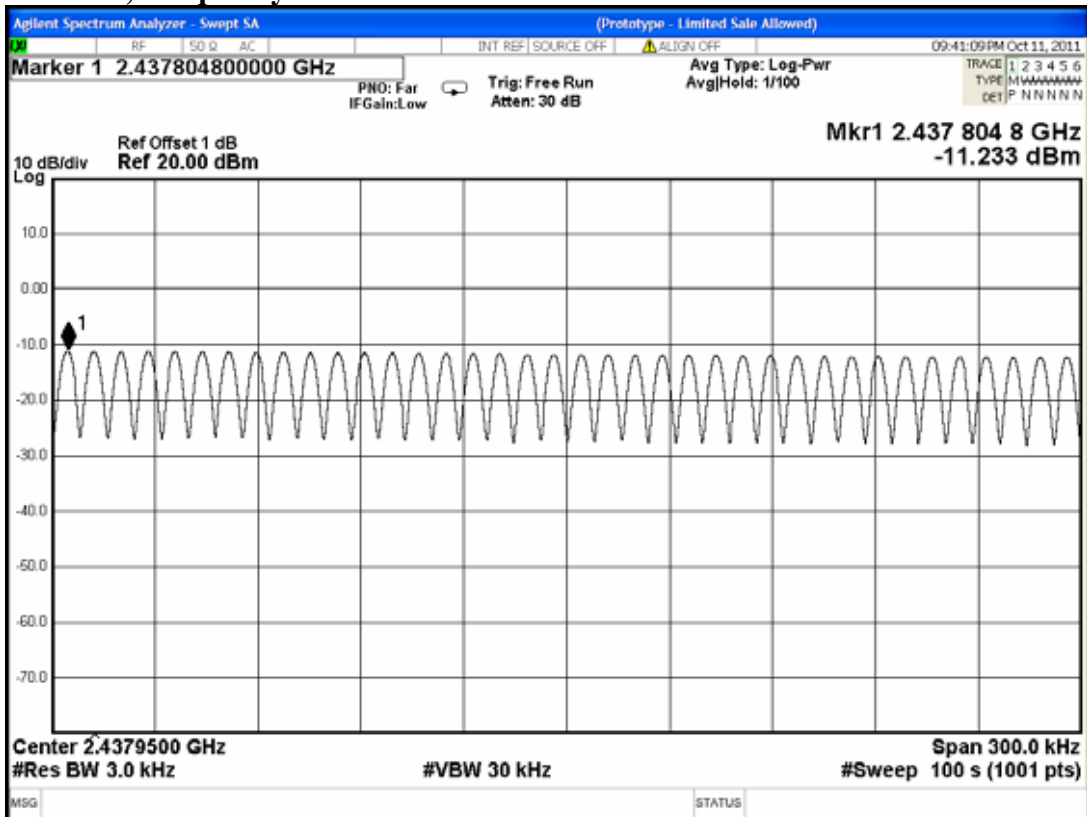
Mode	Type of Network	Channel	Frequency	Power Spectral Density (dBm)
1.	802.11b	CH 1	2412MHz	-11.545dBm
2.		CH 6	2437MHz	-11.233dBm
3.		CH 11	2462MHz	-11.207dBm
4.	802.11g	CH 1	2412MHz	-13.733dBm
5.		CH 6	2437MHz	-13.843dBm
6.		CH 11	2462MHz	-12.887dBm
7.	802.11n-HT20	CH 1	2412MHz	-14.328dBm
8.		CH 6	2437MHz	-14.145dBm
9.		CH 11	2462MHz	-14.548dBm
10.	802.11n-HT40	CH 3	2422MHz	-17.218dBm
11.		CH 6	2437MHz	-19.111dBm
12.		CH 9	2452MHz	-21.575dBm

[Limit: 8dBm]

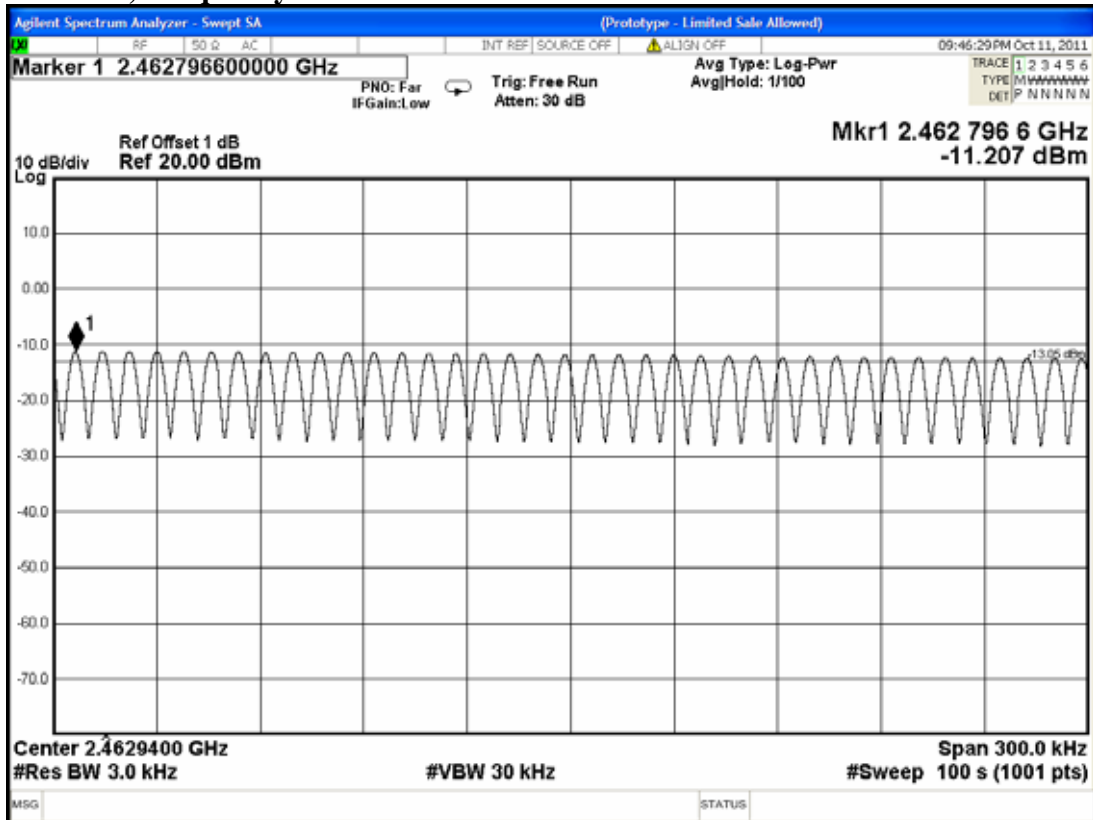
802.11b, Frequency: 2412MHz



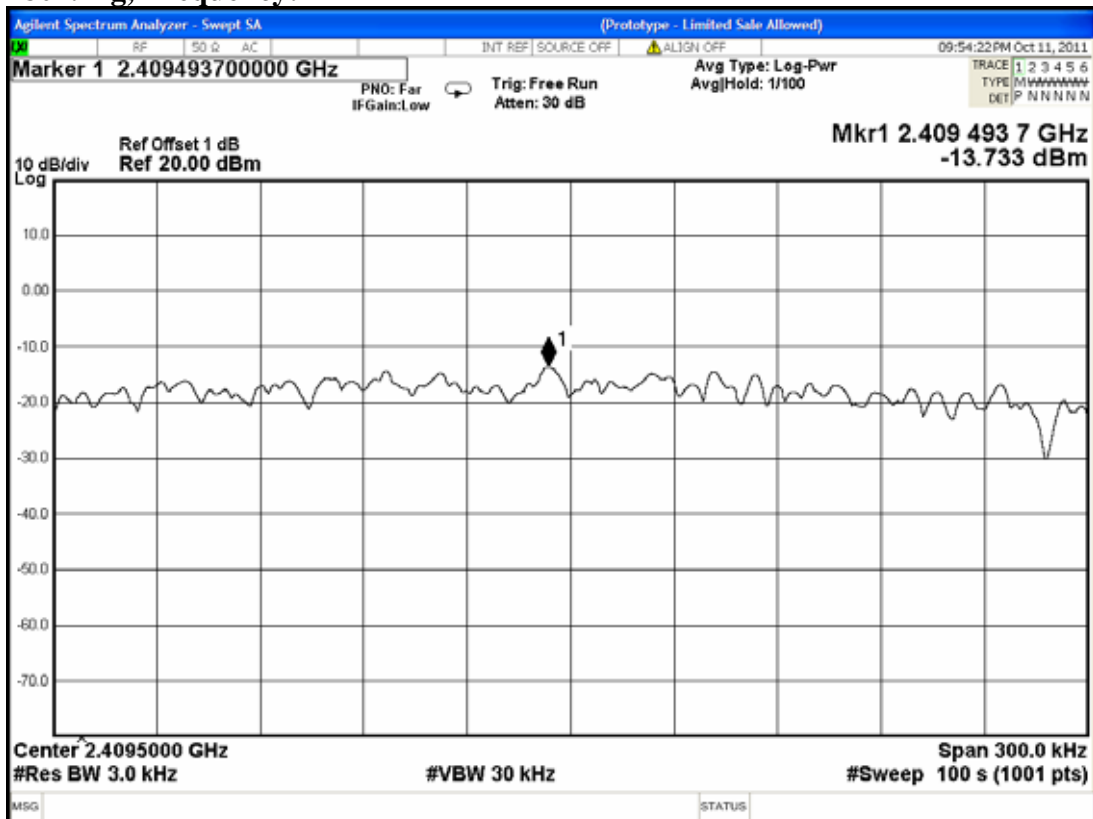
802.11b, Frequency: 2437MHz



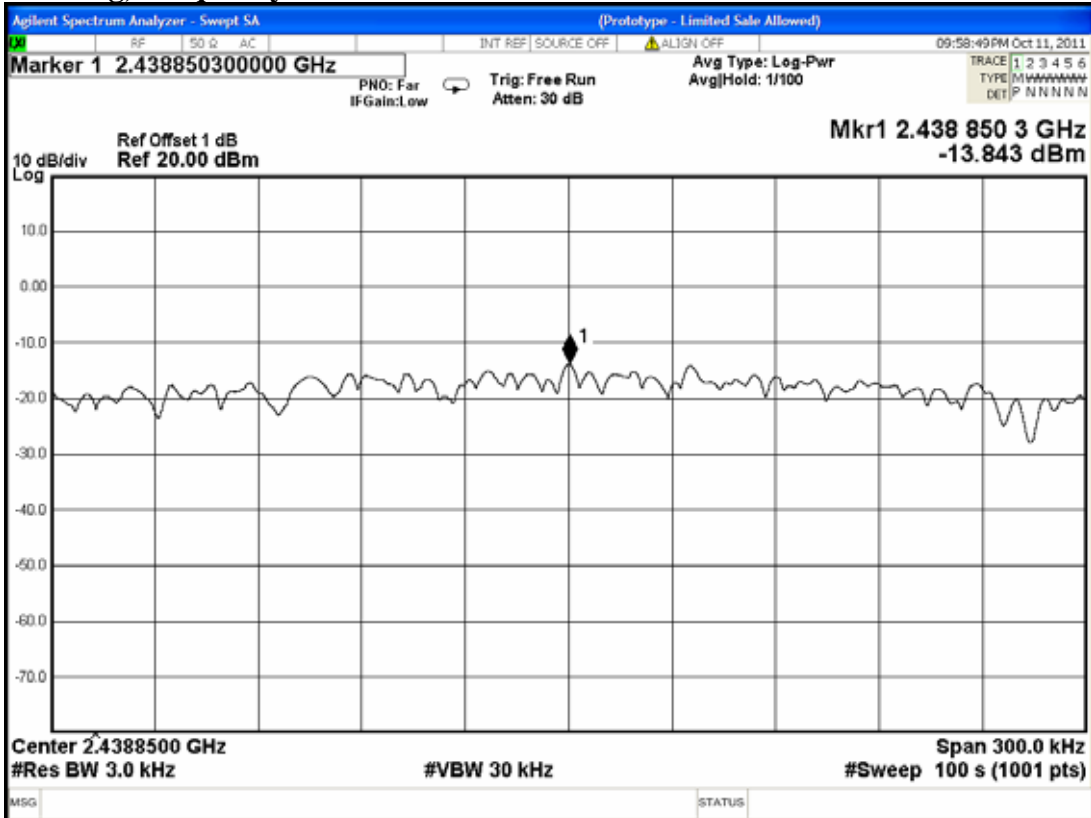
802.11b, Frequency: 2462MHz



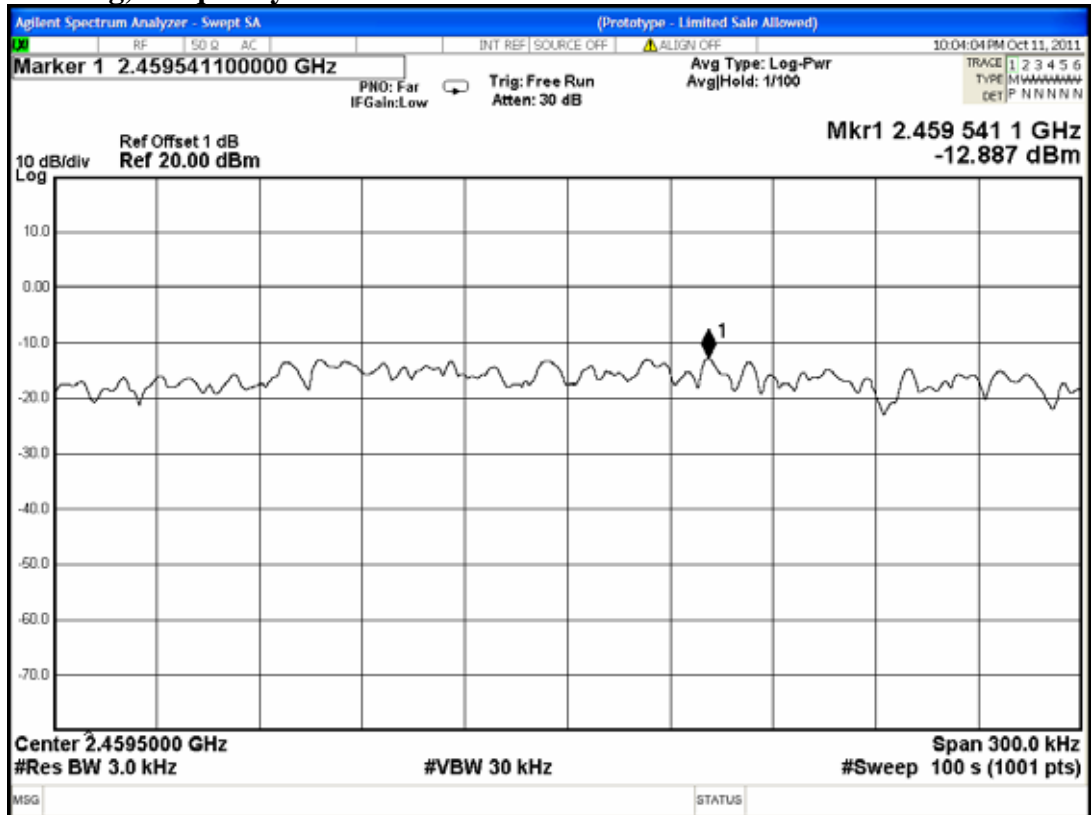
802.11g, Frequency: 2412MHz



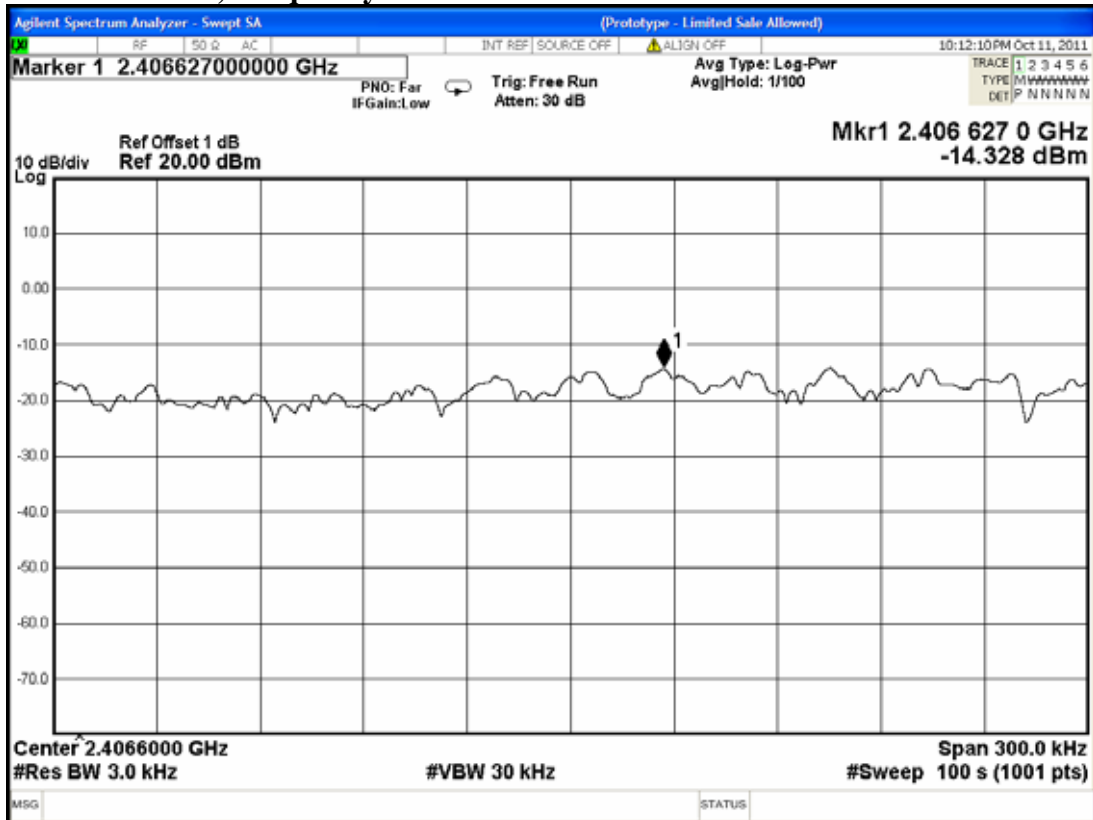
802.11g, Frequency: 2437MHz



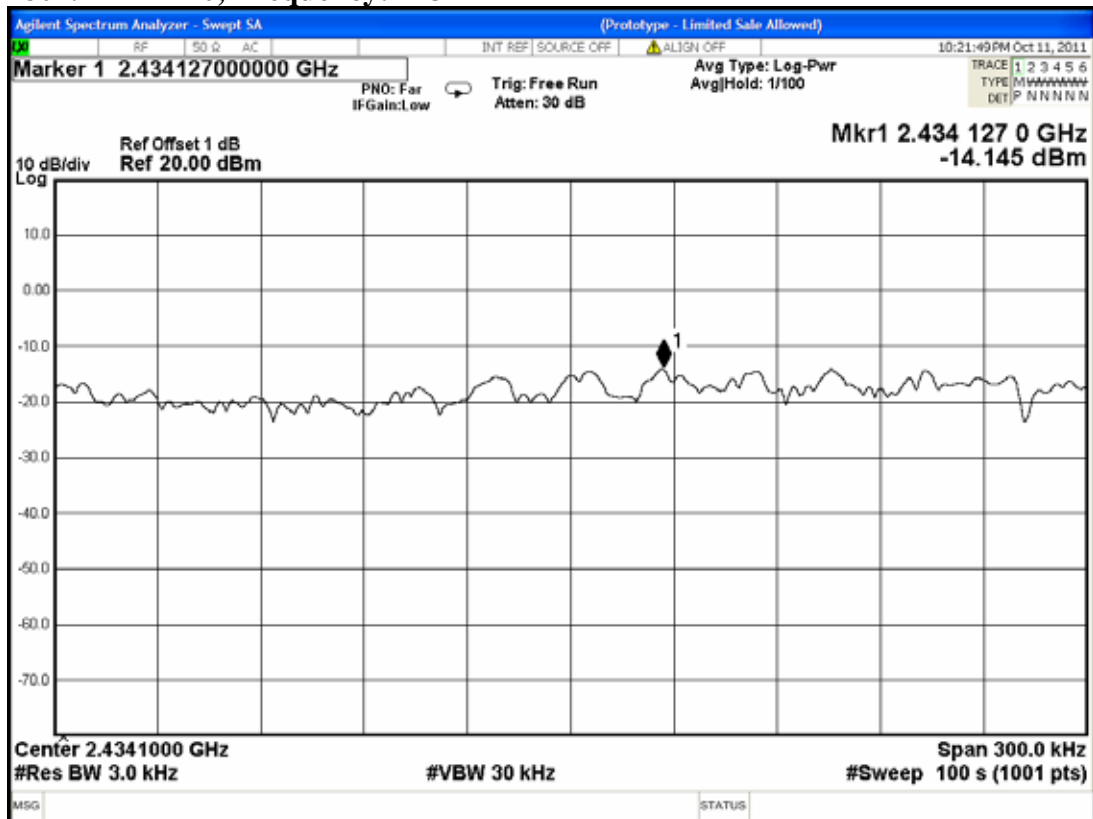
802.11g, Frequency: 2462MHz



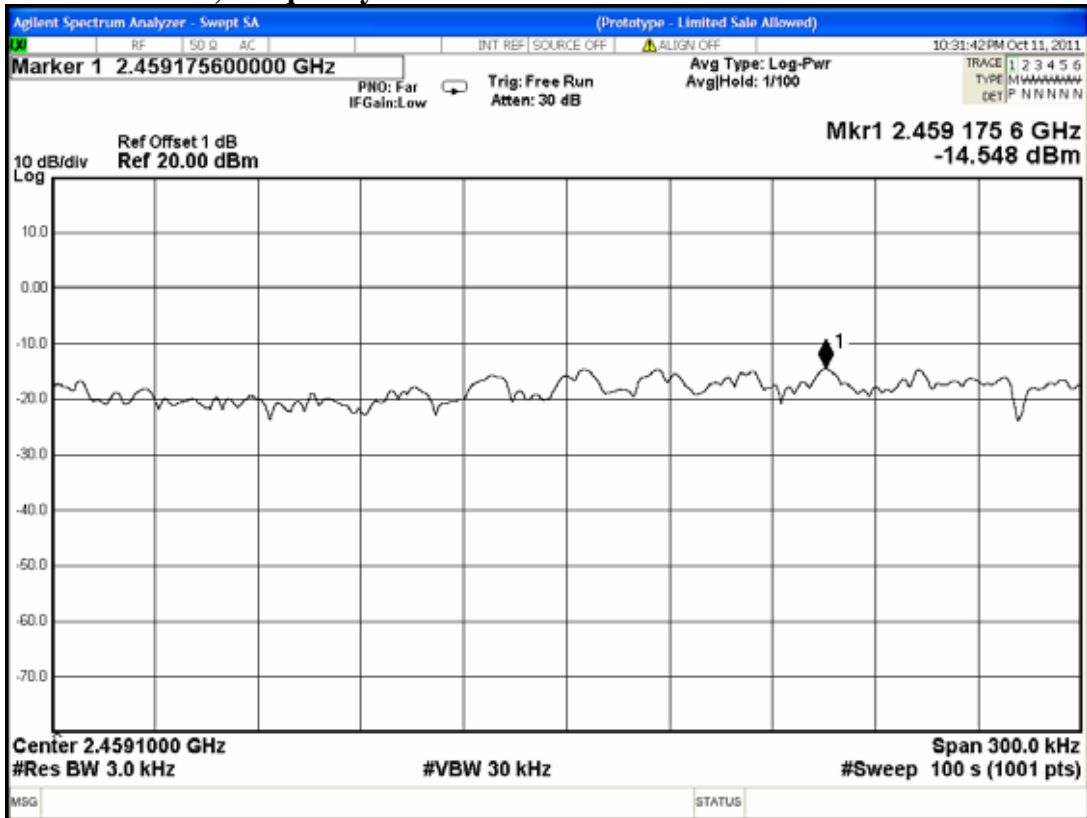
802.11n-HT20, Frequency: 2412MHz



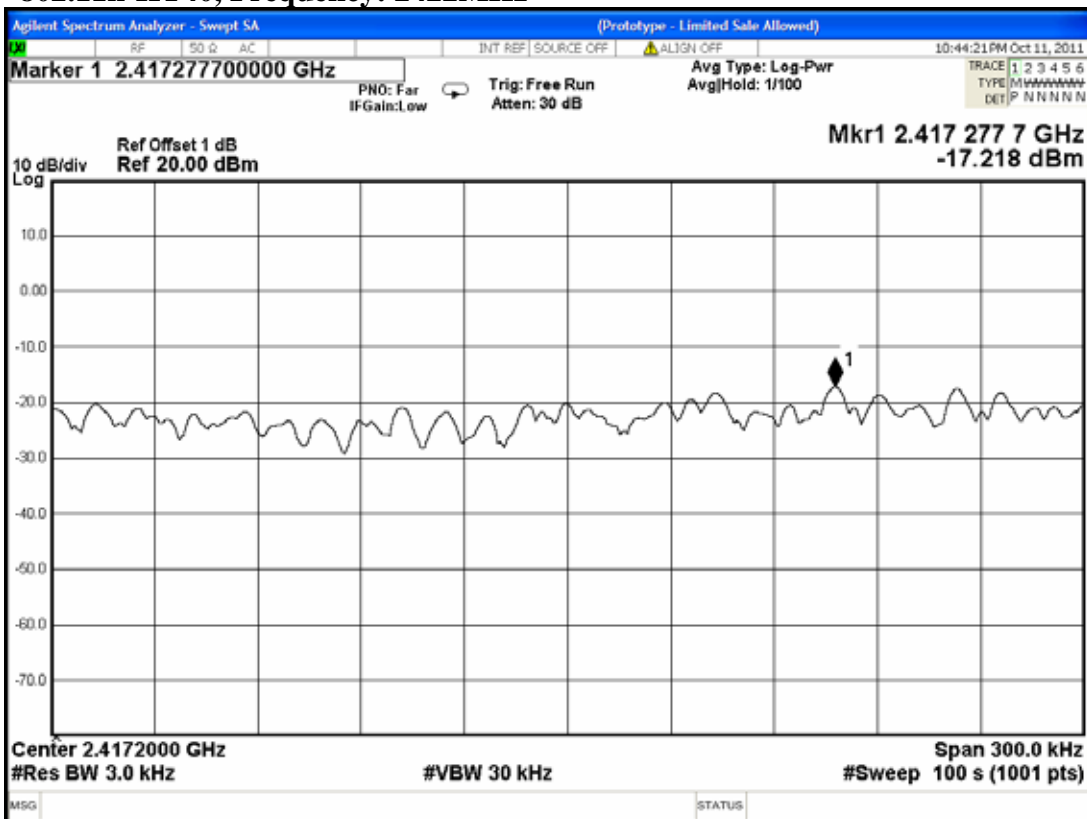
802.11n-HT20, Frequency: 2437MHz



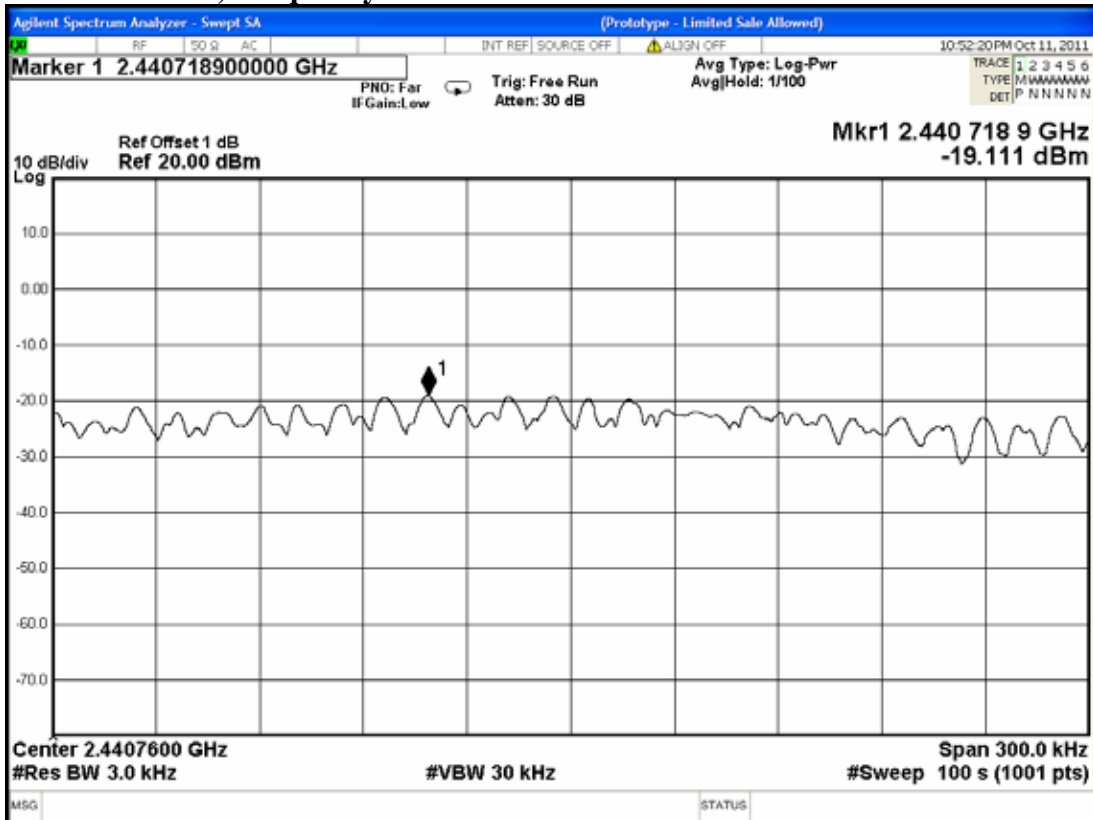
802.11n-HT20, Frequency: 2462MHz



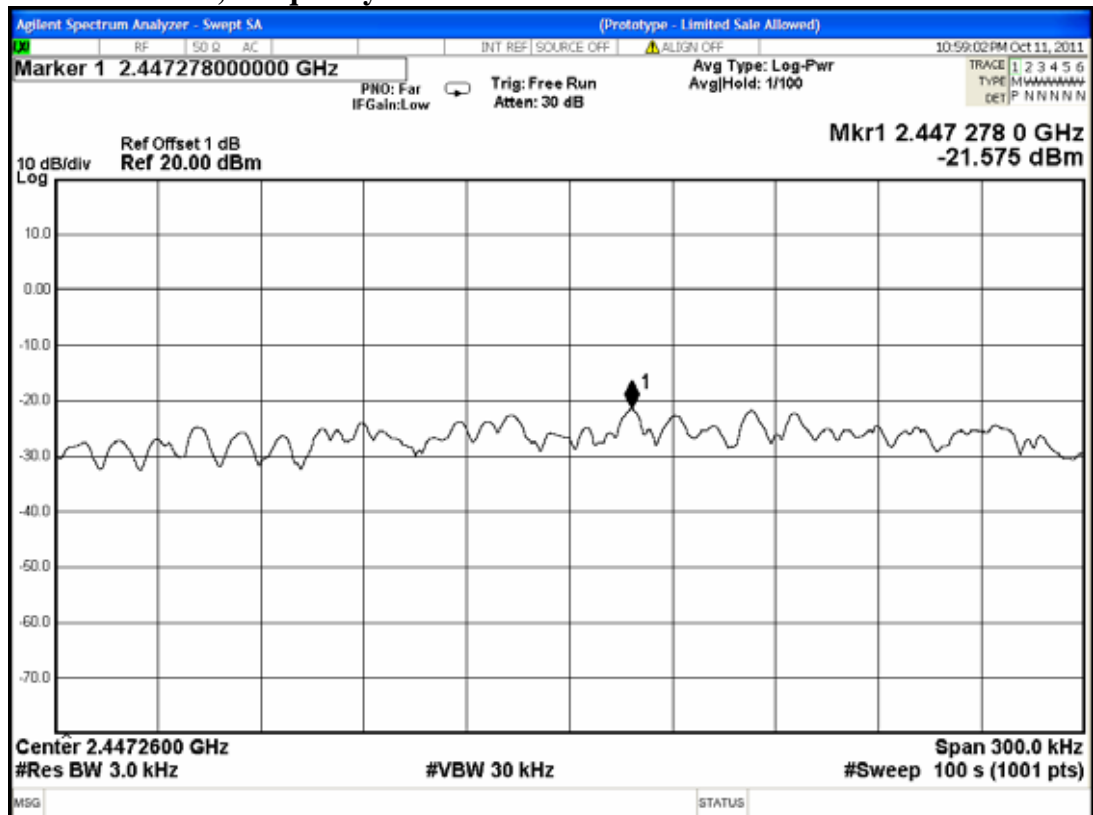
802.11n-HT40, Frequency: 2422MHz



802.11n-HT40, Frequency: 2437MHz



802.11n-HT40, Frequency: 2452MHz



9. OCCUPIED BANDWIDTH 99% POWER MEASUREMENT

9.1. Test Equipment

The following test equipment was used during the occupied bandwidth 99% power measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	N9010A-507	MY49061167	Feb. 24, 11'	Feb. 23, 12'

9.2. Block Diagram of Test Setup

The same as section.4.2.

9.3. Specification (RSS-Gen §4.6.1)

The emission bandwidth may be taken as the bandwidth within which is 99% of the transmitter output power. The 20 dB bandwidth may also be used instead, when the spectral density has decreased by 20 dB from the in band spectral density. For the determination of the 20 dB bandwidth, the measurement bandwidth should be in the order of 1.0% of the emission bandwidth and VBW=3 times RBW.

9.4. Operating Condition of EUT

The test program “QA Tool” was used to enable the EUT to transmit data at different channel frequency individually.

9.5. Test Procedure

The RF output of EUT was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measured with the spectrum analyzer using 510kHz RBW and 1.5MHz VBW, set span = 50MHz and sweep time = auto. The measurement guideline was according to KDB 558074.

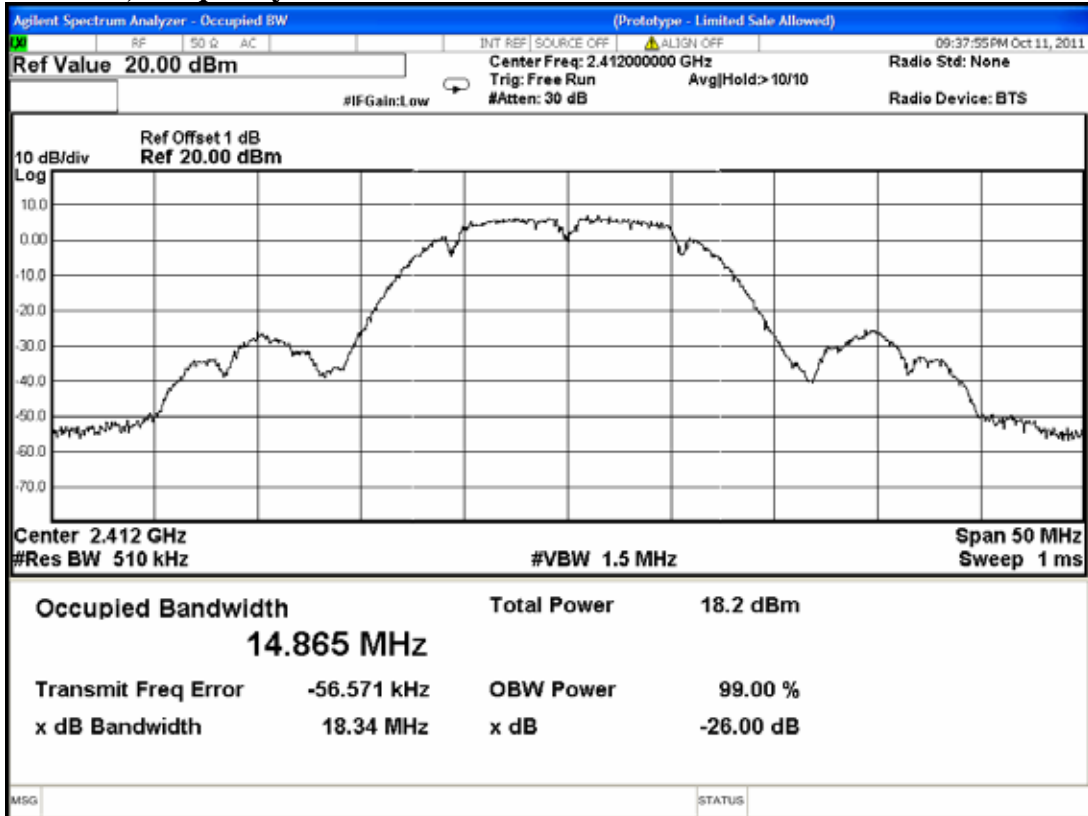
9.6. Test Results

PASSED. All the test results are attached in next pages.

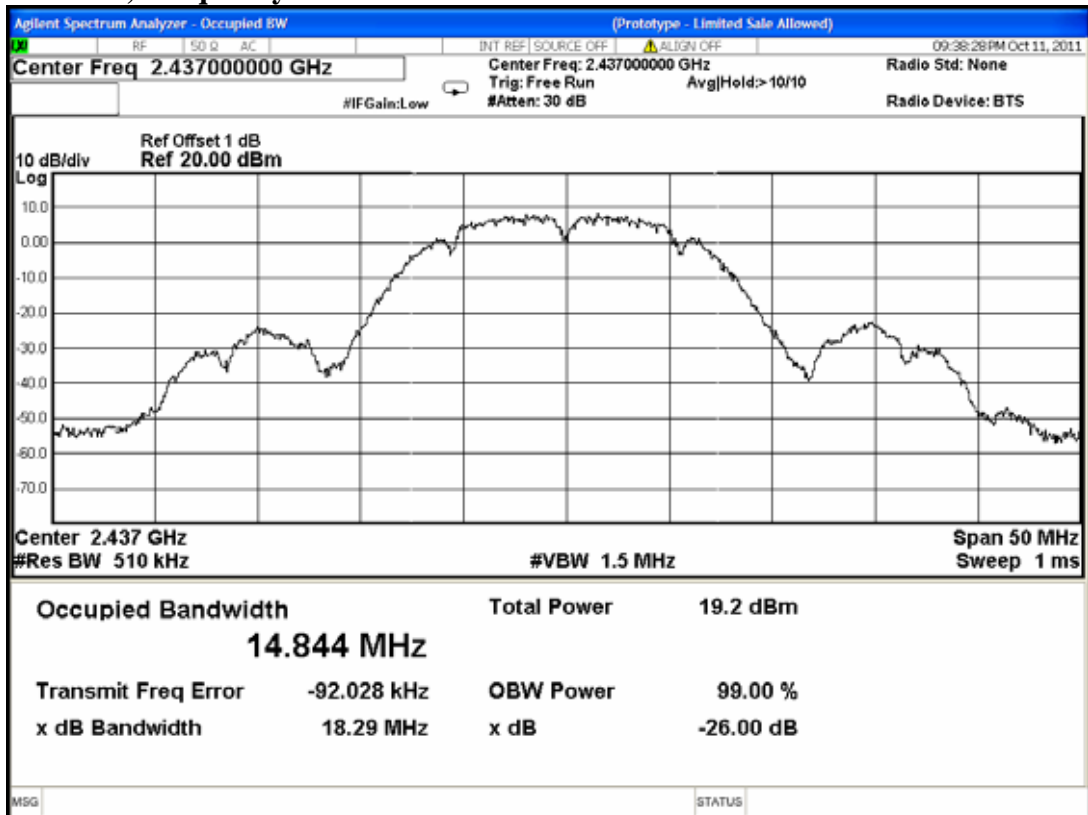
(Test Date: Oct. 11, 2011 Temperature : 26 Humidity : 53%)

Mode	Type of Network	Channel	Frequency	Occupied Bandwidth (MHz)
1.	802.11b	CH 1	2412MHz	14.865MHz
2.		CH 6	2437MHz	14.844MHz
3.		CH 11	2462MHz	14.856MHz
4.	802.11g	CH 1	2412MHz	16.577MHz
5.		CH 6	2437MHz	16.574MHz
6.		CH 11	2462MHz	16.604MHz
7.	802.11n-HT20	CH 1	2412MHz	17.657MHz
8.		CH 6	2437MHz	17.654MHz
9.		CH 11	2462MHz	17.664MHz
10.	802.11n-HT40	CH 3	2422MHz	35.829MHz
11.		CH 6	2437MHz	35.788MHz
12.		CH 9	2452MHz	35.764MHz

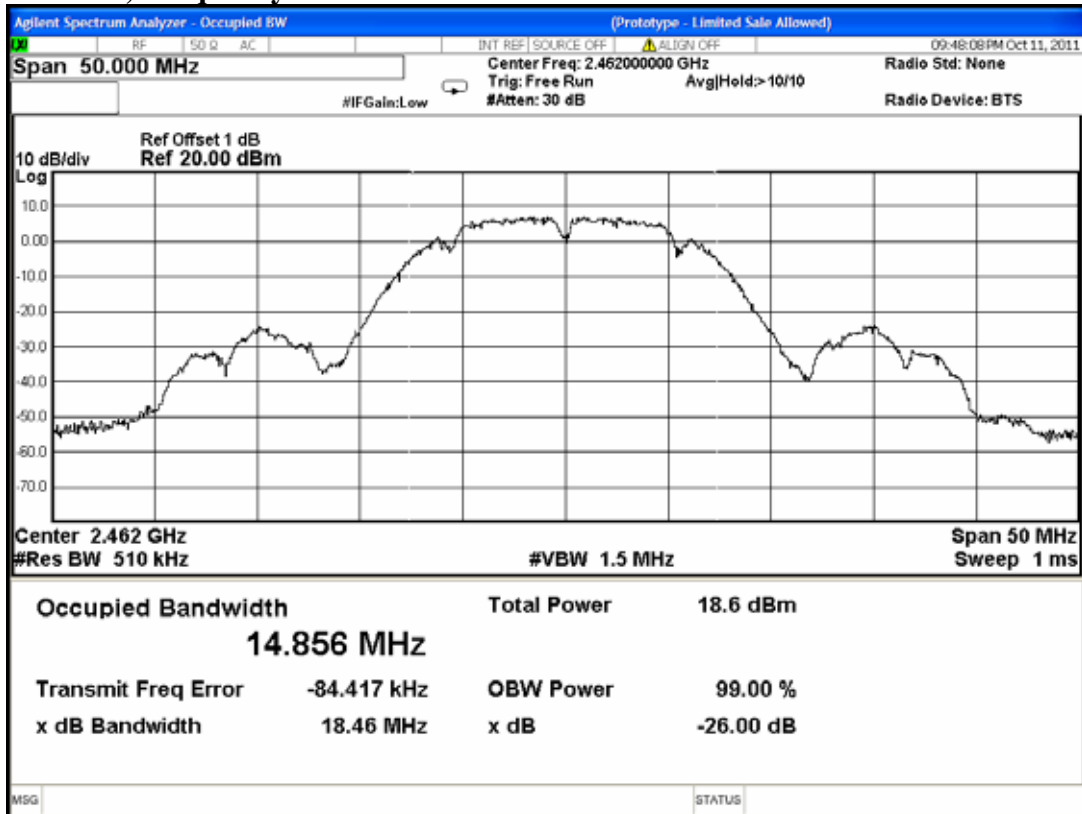
802.11b, Frequency: 2412MHz



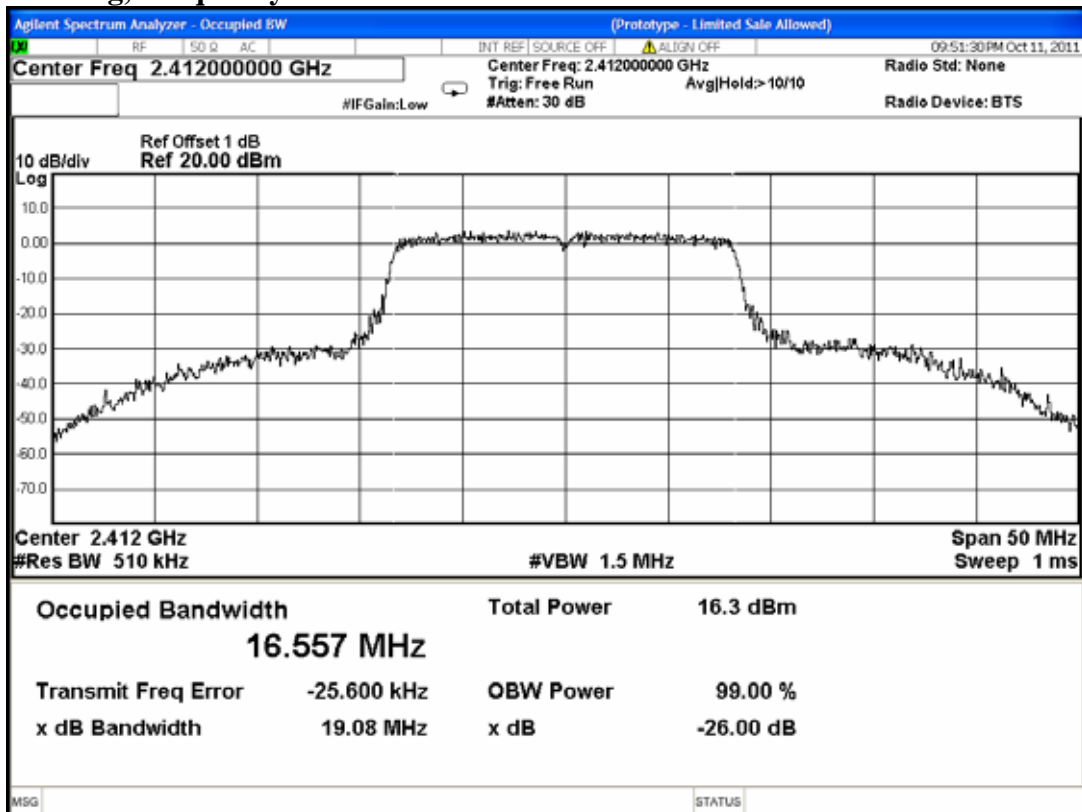
802.11b, Frequency: 2437MHz



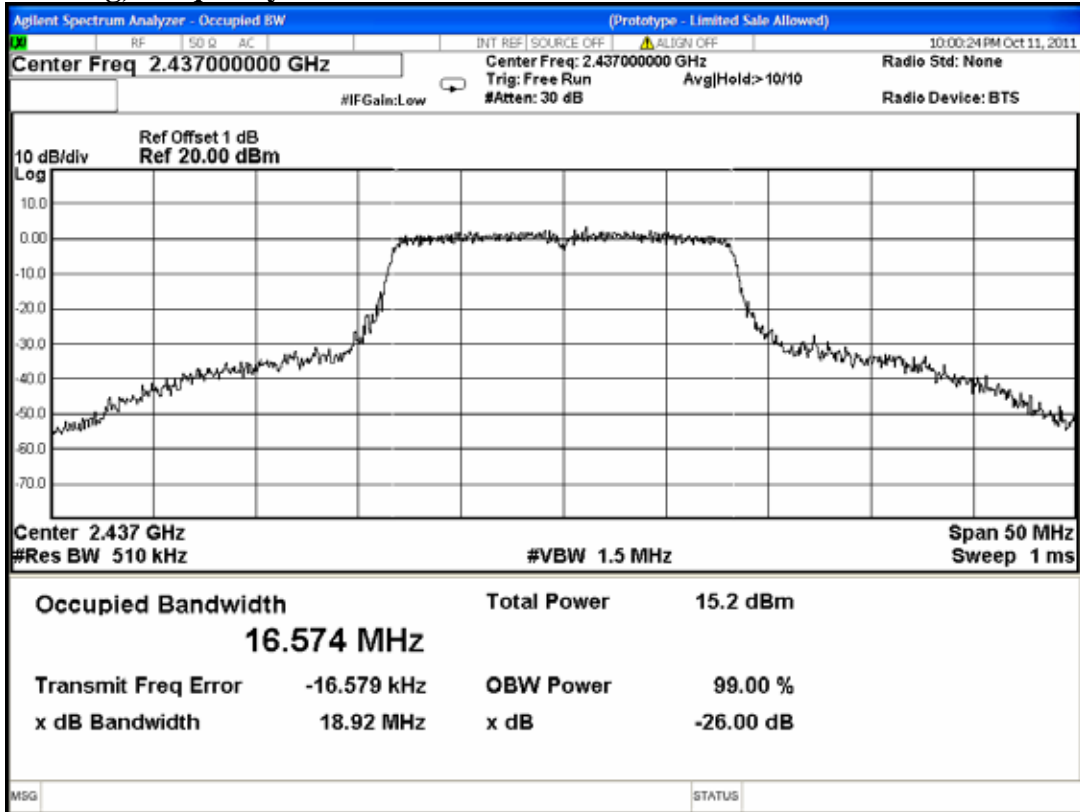
802.11b, Frequency: 2462MHz



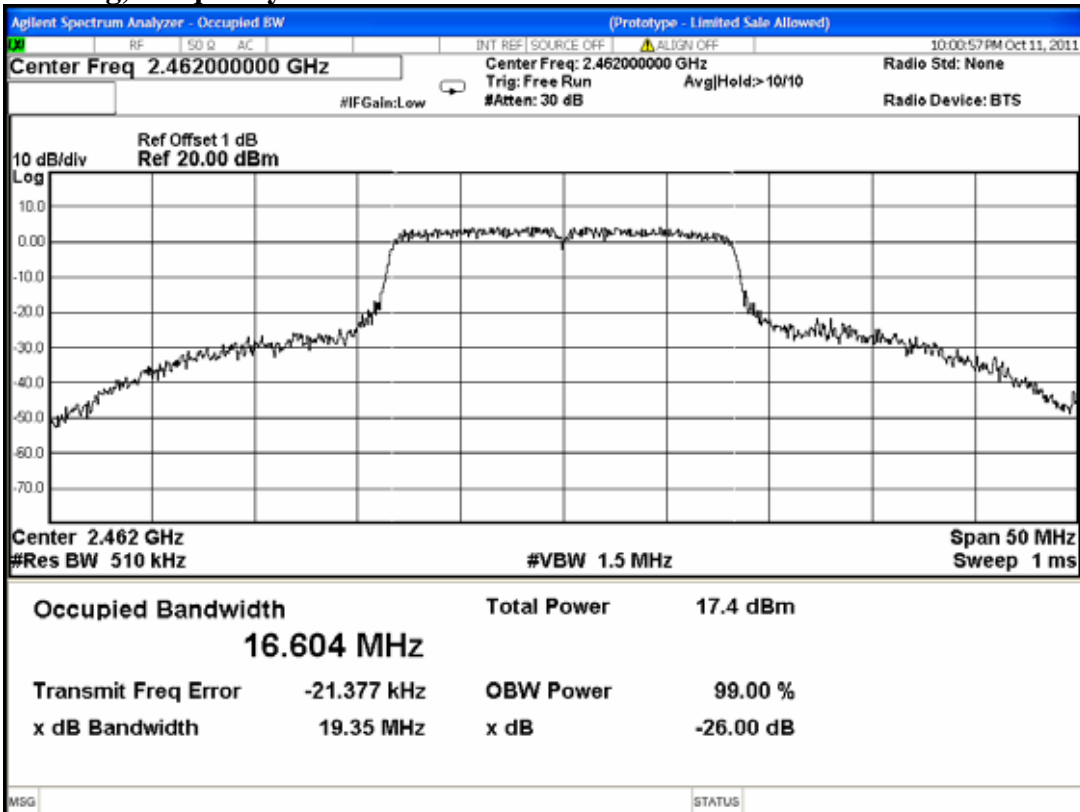
802.11g, Frequency: 2412MHz



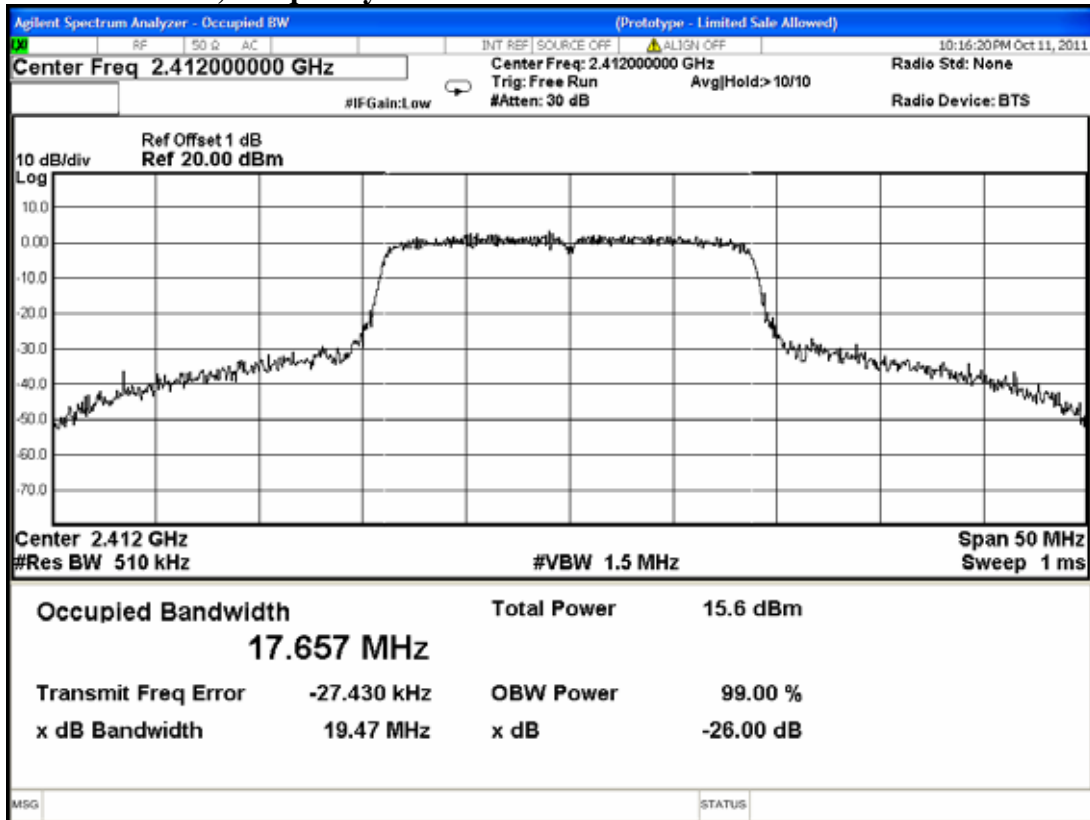
802.11g, Frequency: 2437MHz



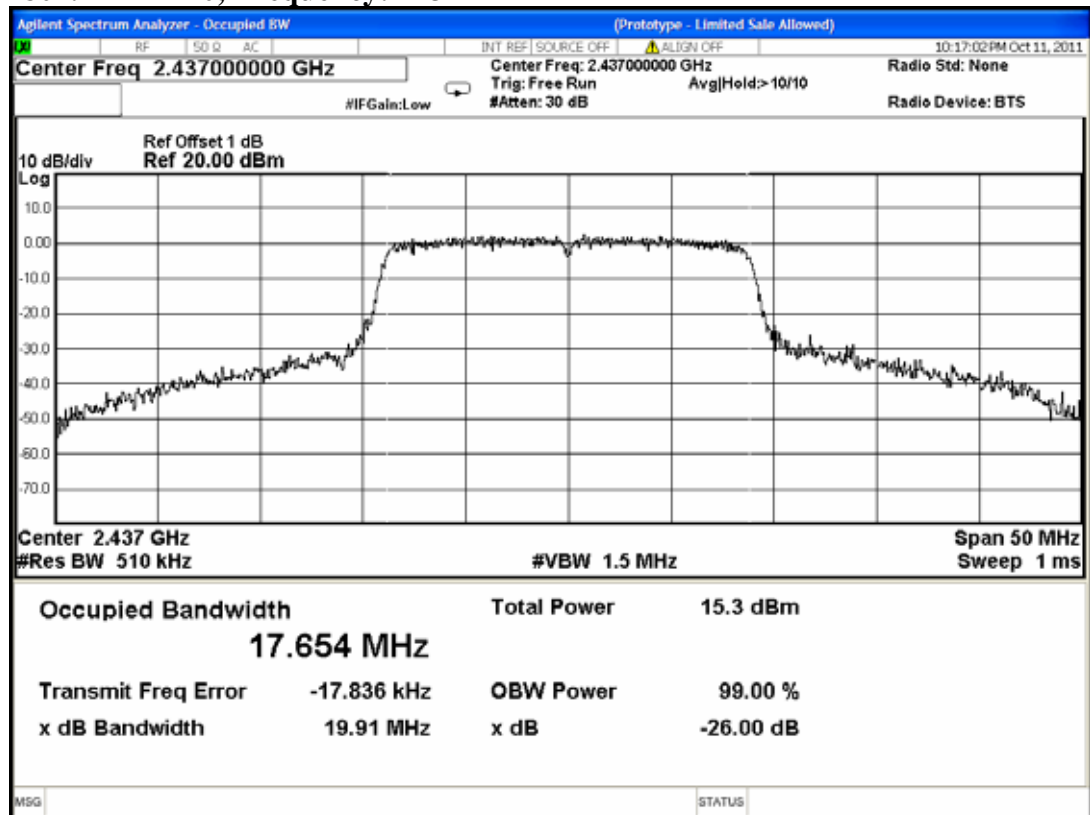
802.11g, Frequency: 2462MHz



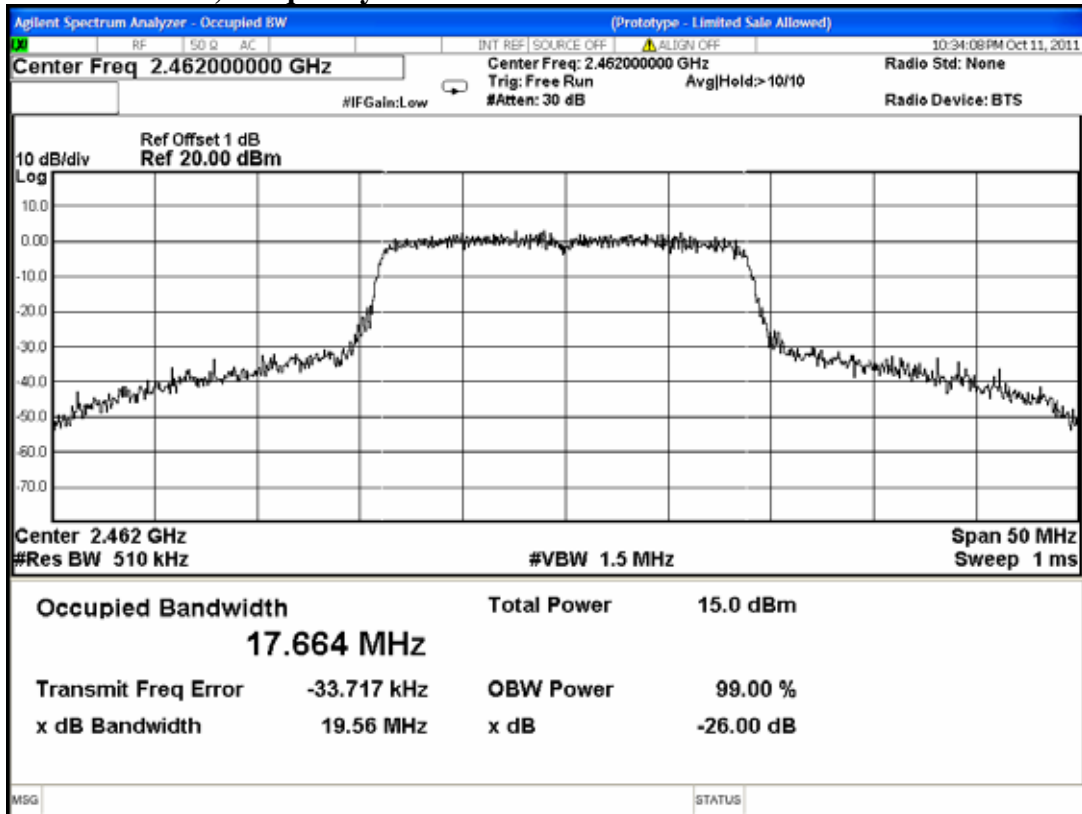
802.11n-HT20, Frequency: 2412MHz



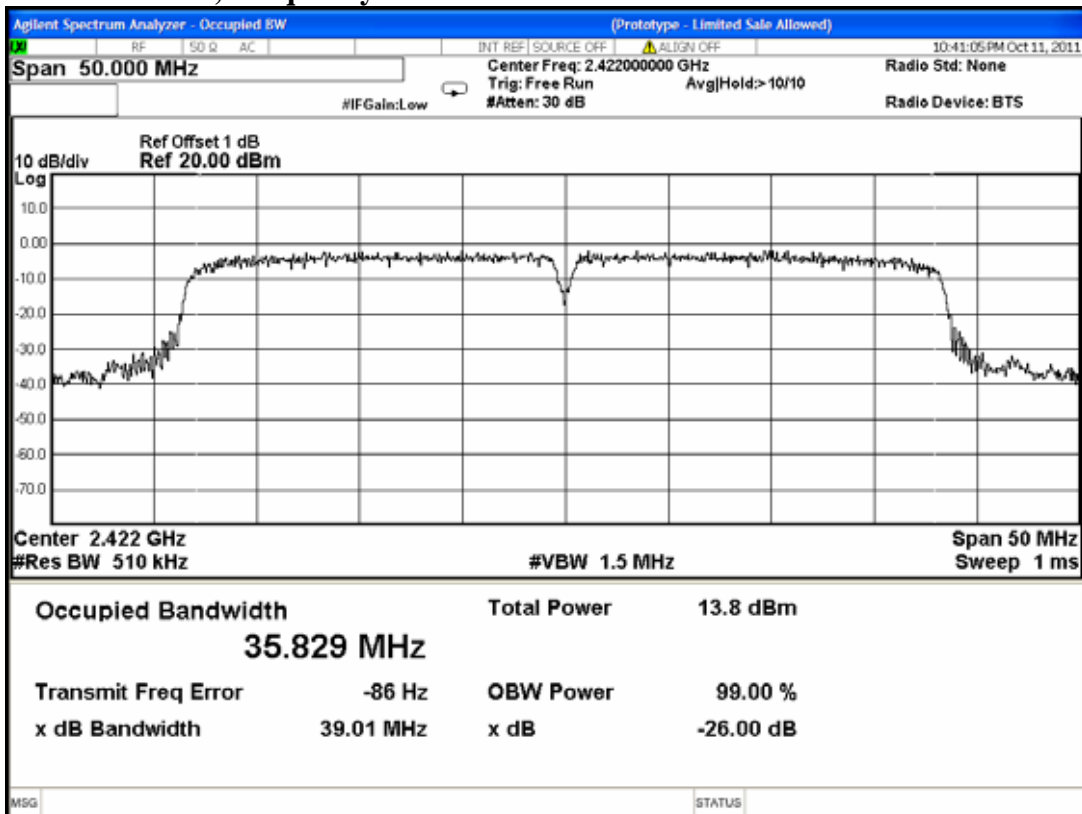
802.11n-HT20, Frequency: 2437MHz



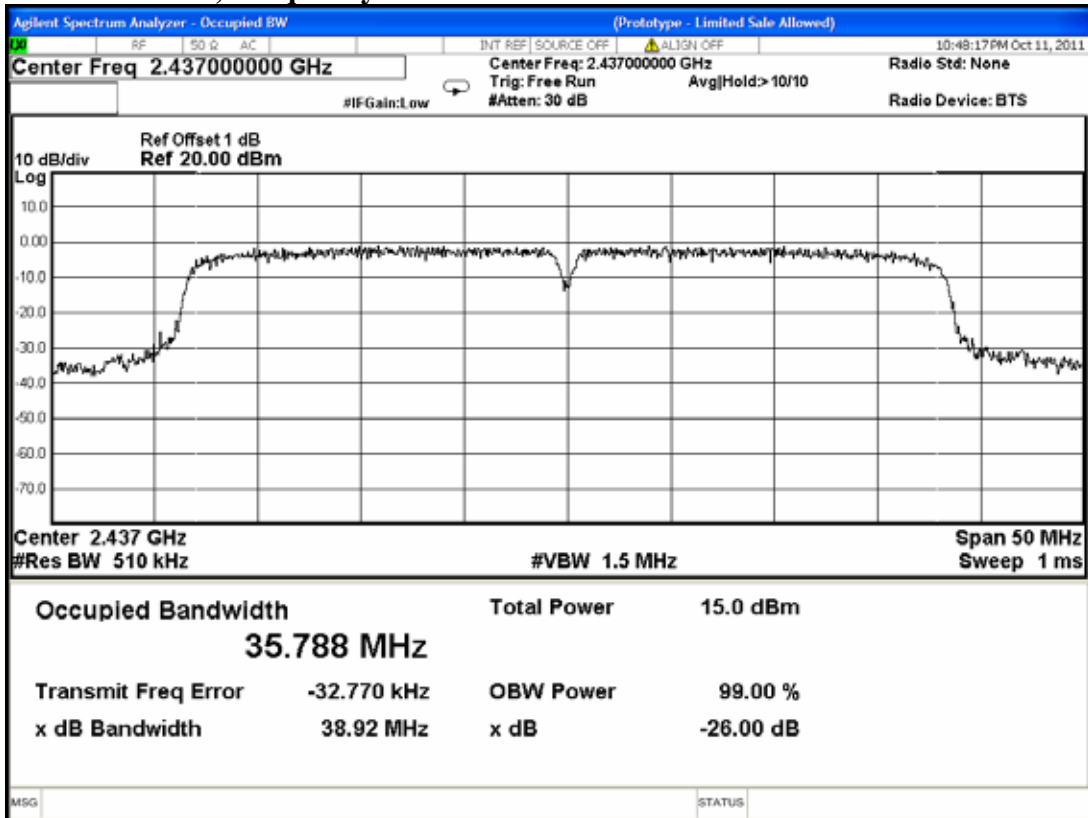
802.11n-HT20, Frequency: 2462MHz



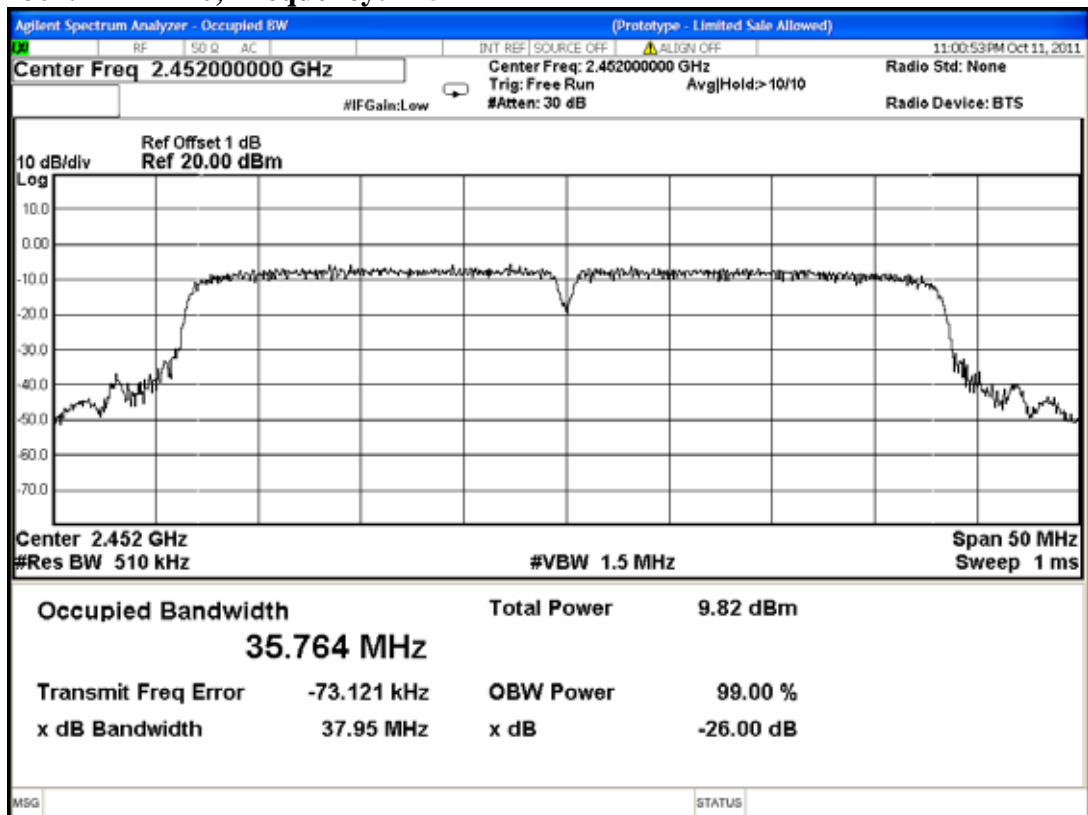
802.11n-HT40, Frequency: 2422MHz



802.11n-HT40, Frequency: 2437MHz



802.11n-HT40, Frequency: 2452MHz



10.DEVIATION TO TEST SPECIFICATIONS

【NONE】