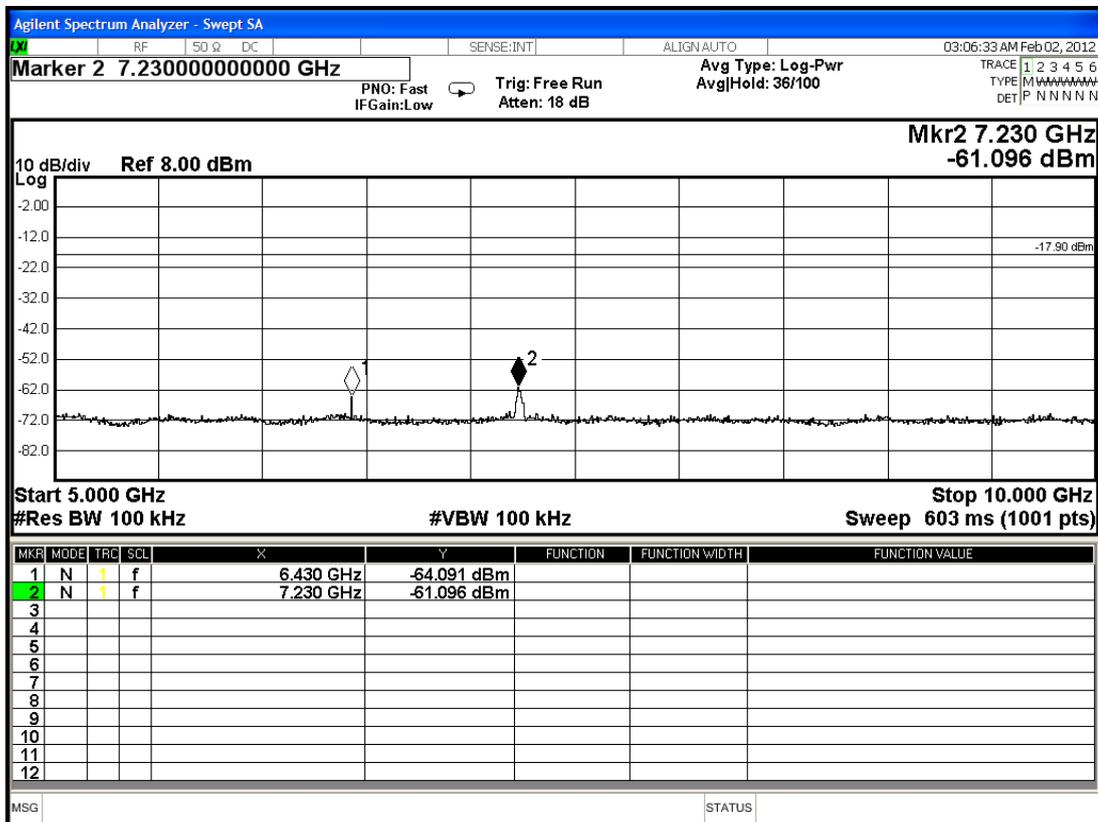
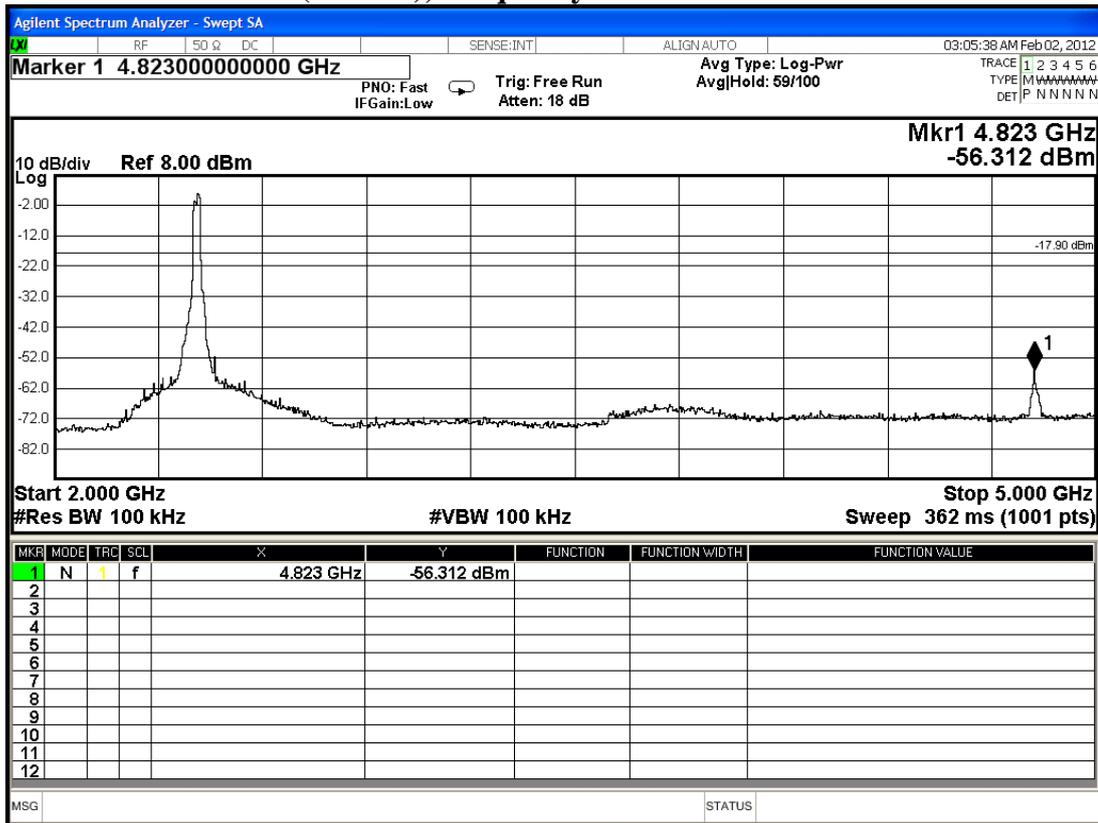


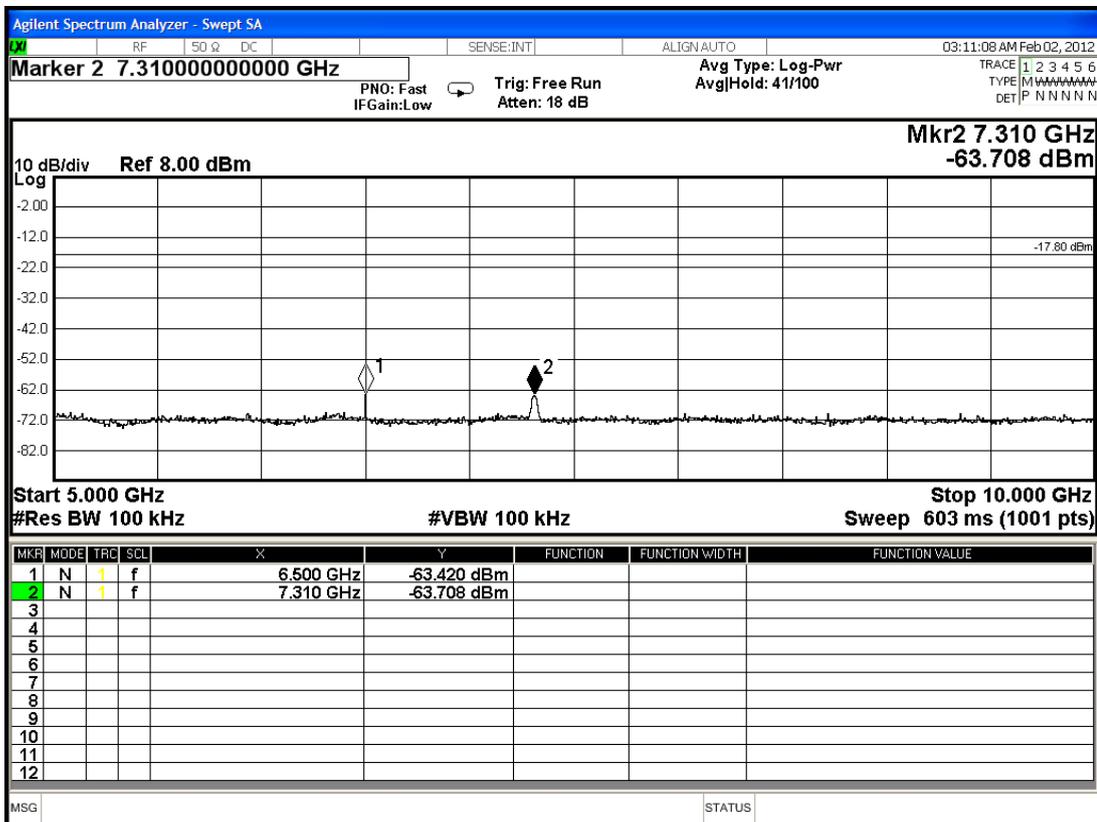
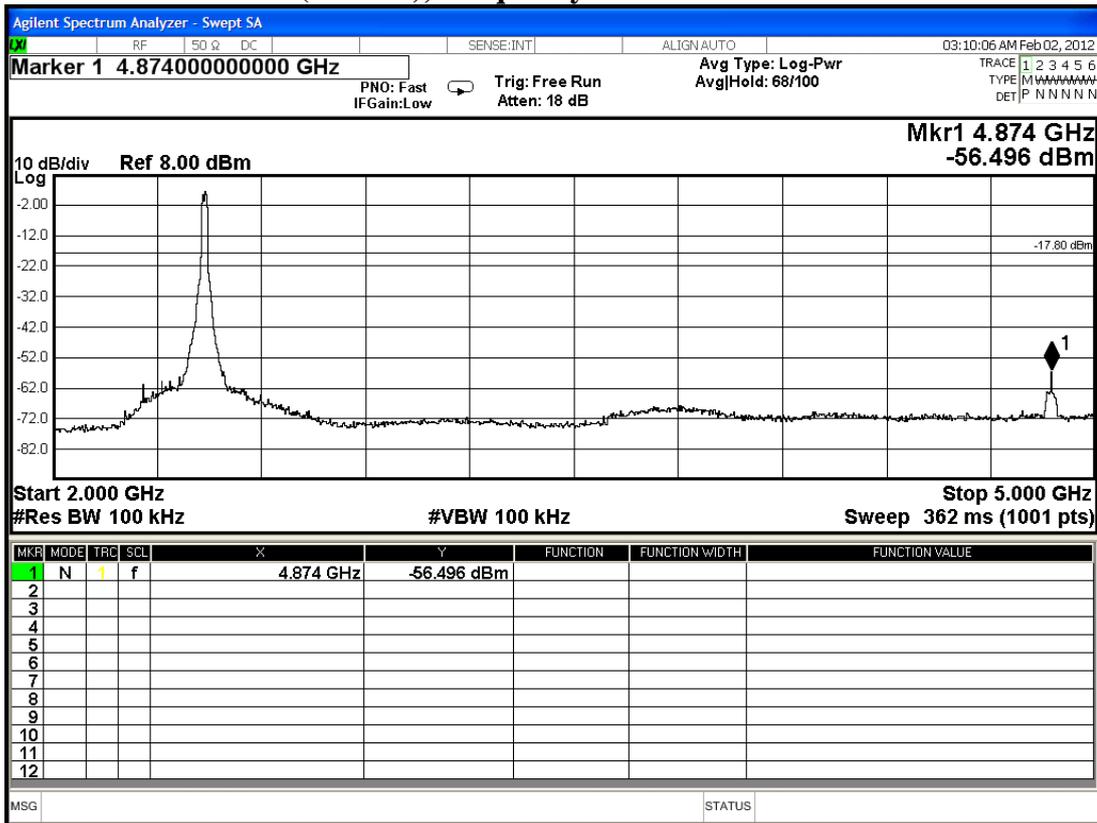
### DTS 802.11n-HT20 (2.4GHz), Frequency: 2412MHz







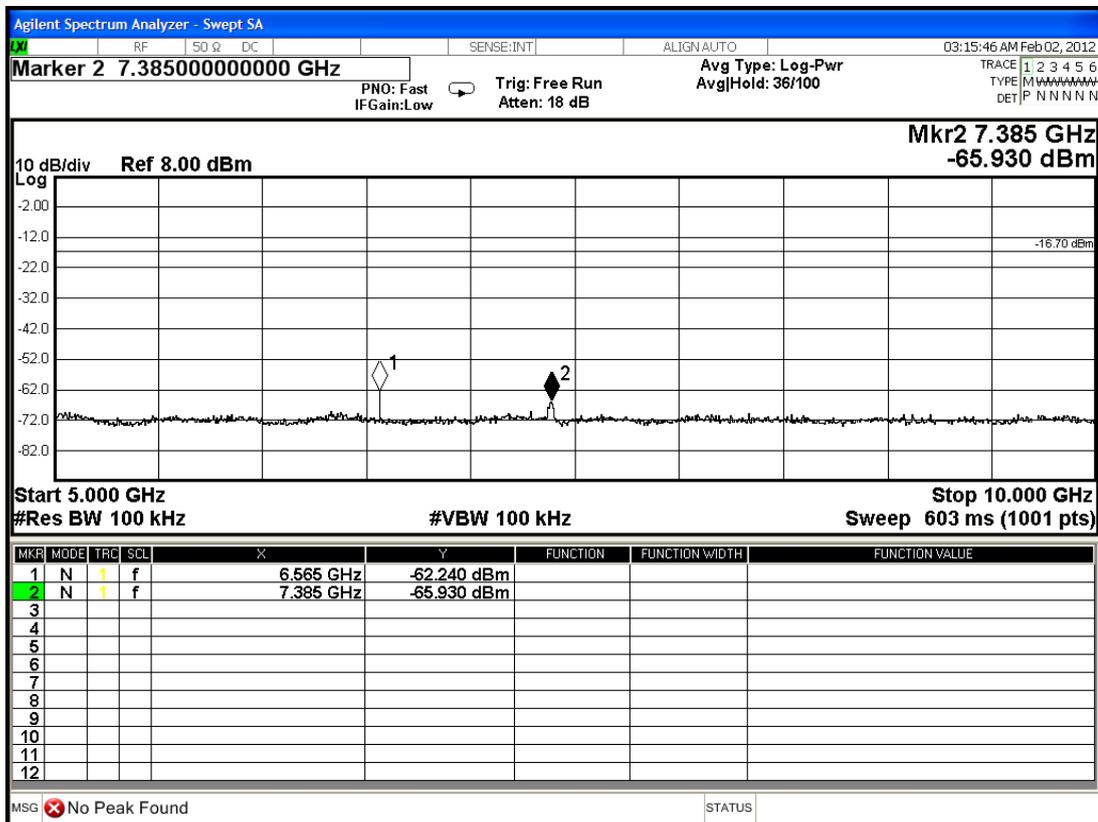
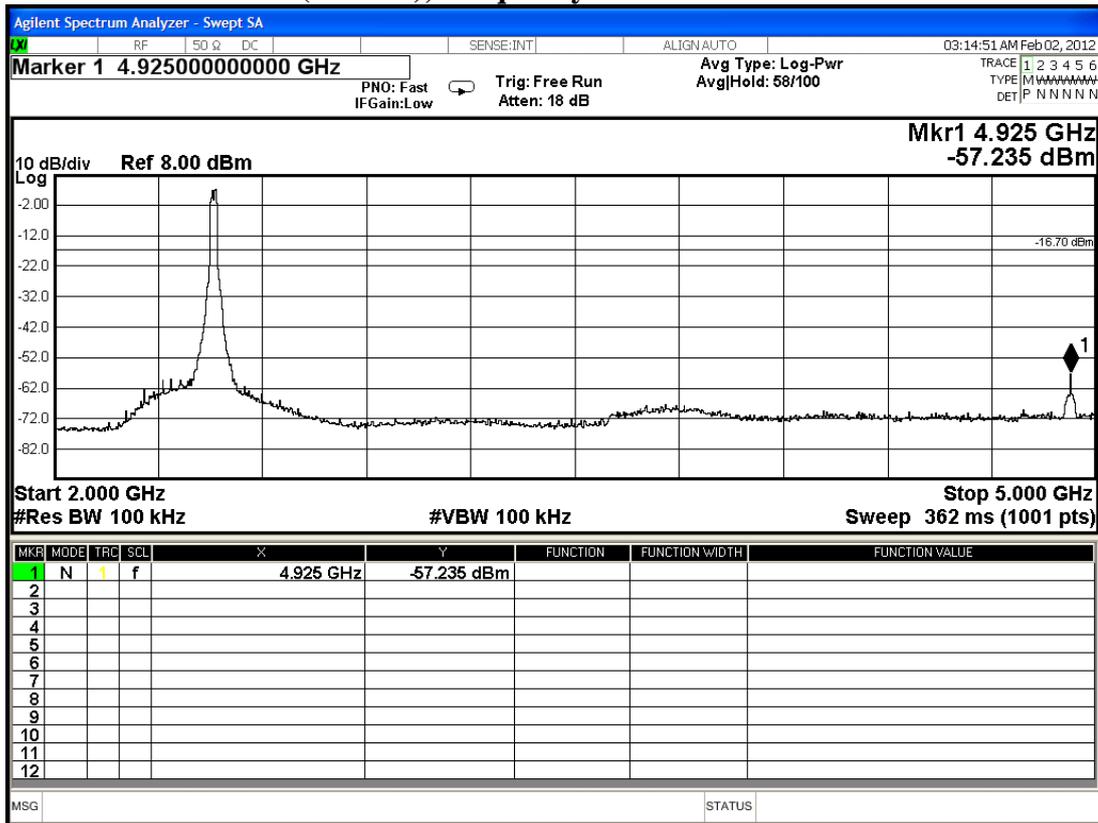
### DTS 802.11n-HT20 (2.4GHz), Frequency: 2437MHz







### DTS 802.11n-HT20 (2.4GHz), Frequency: 2462MHz

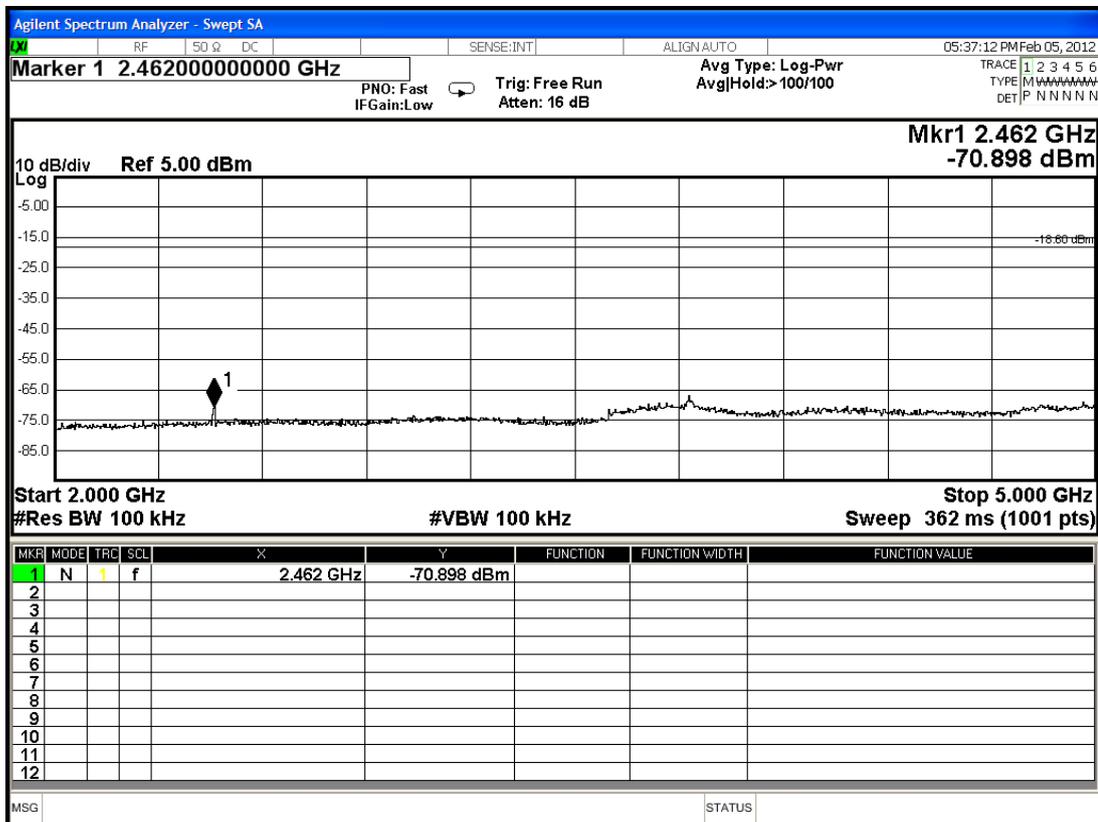
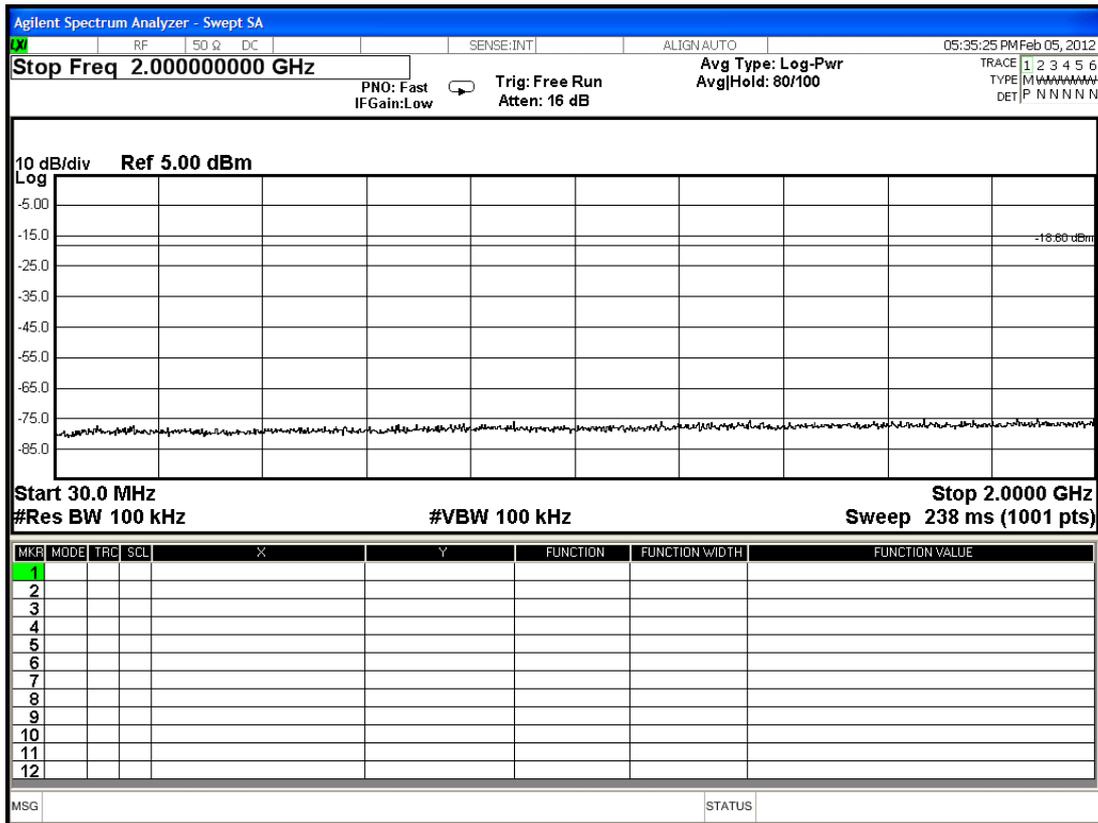




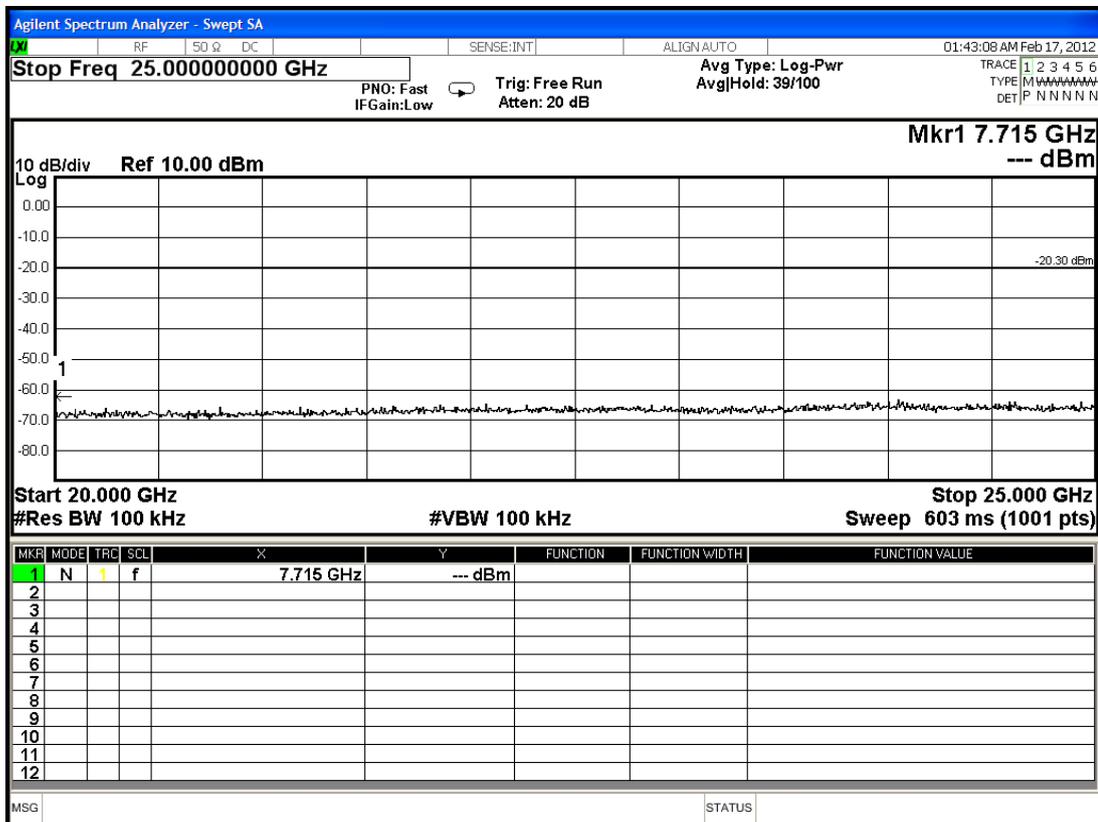
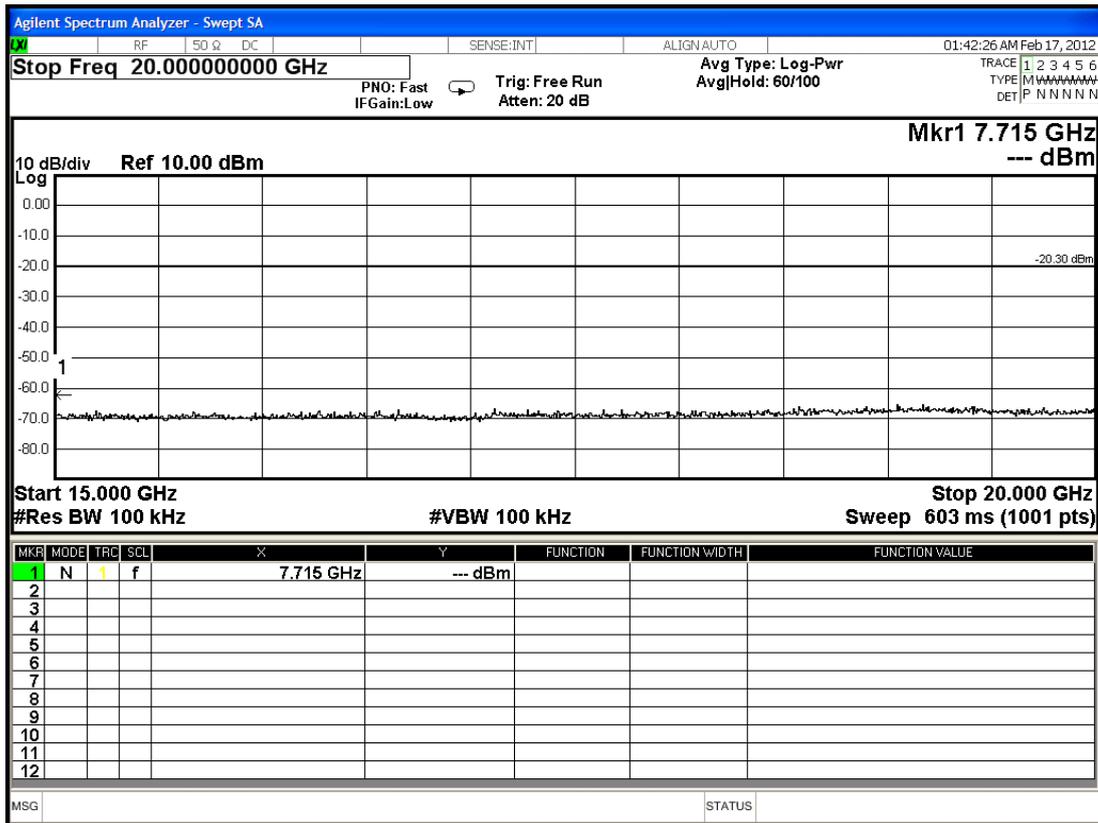


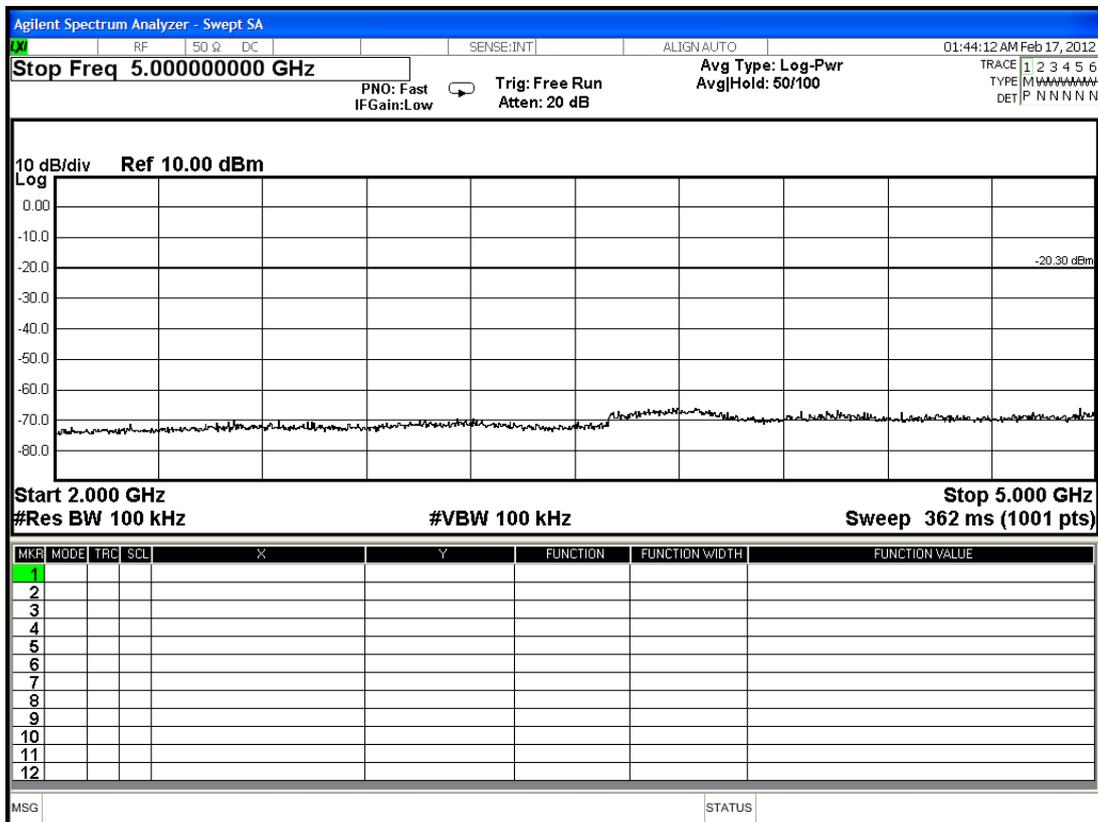
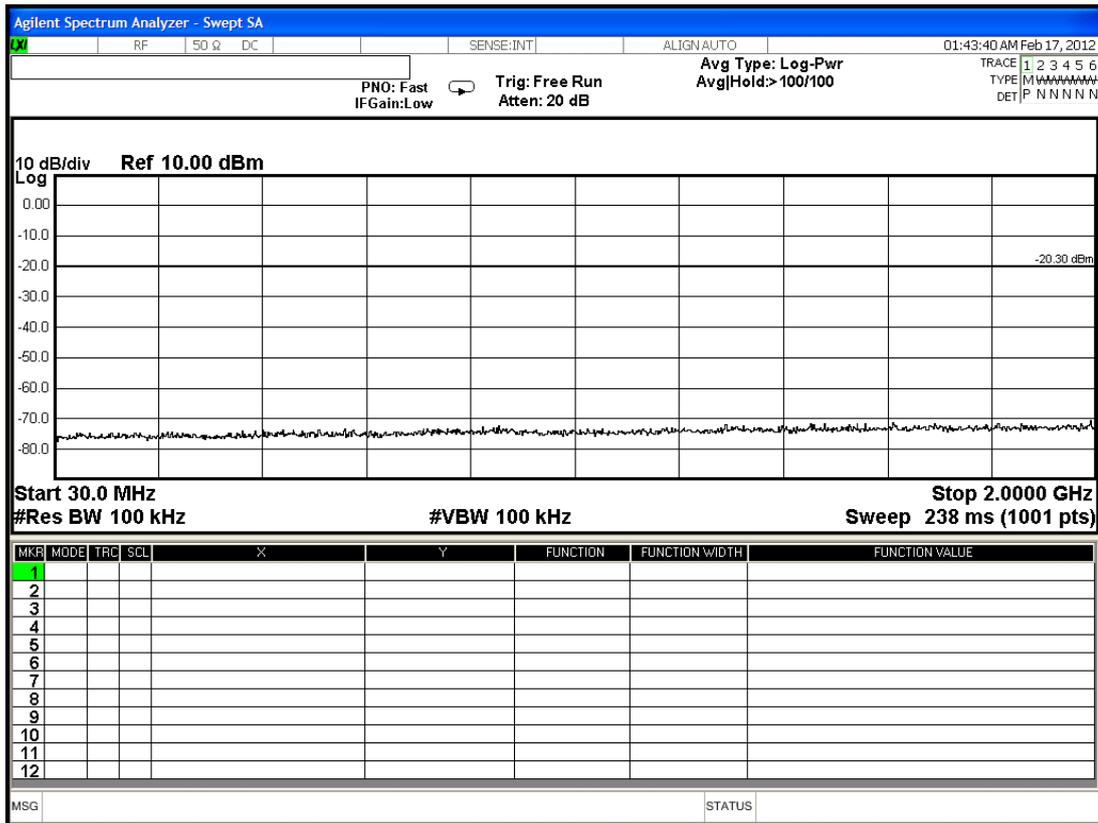




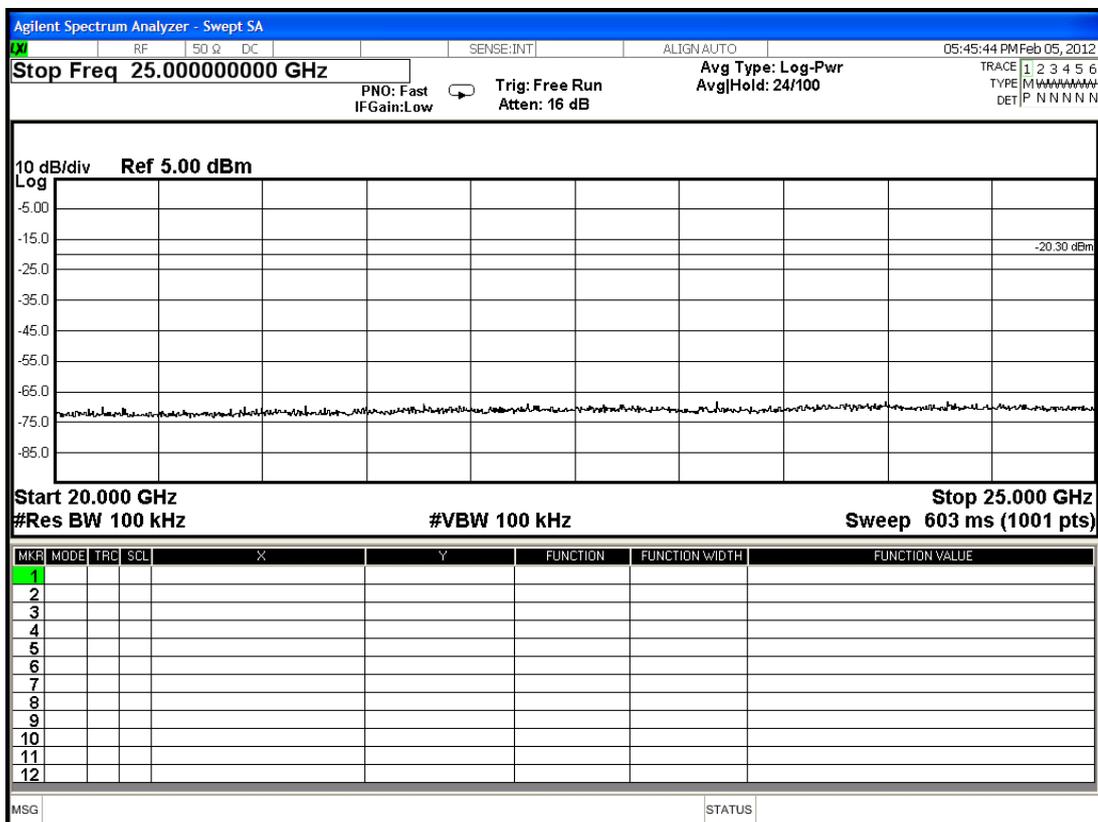
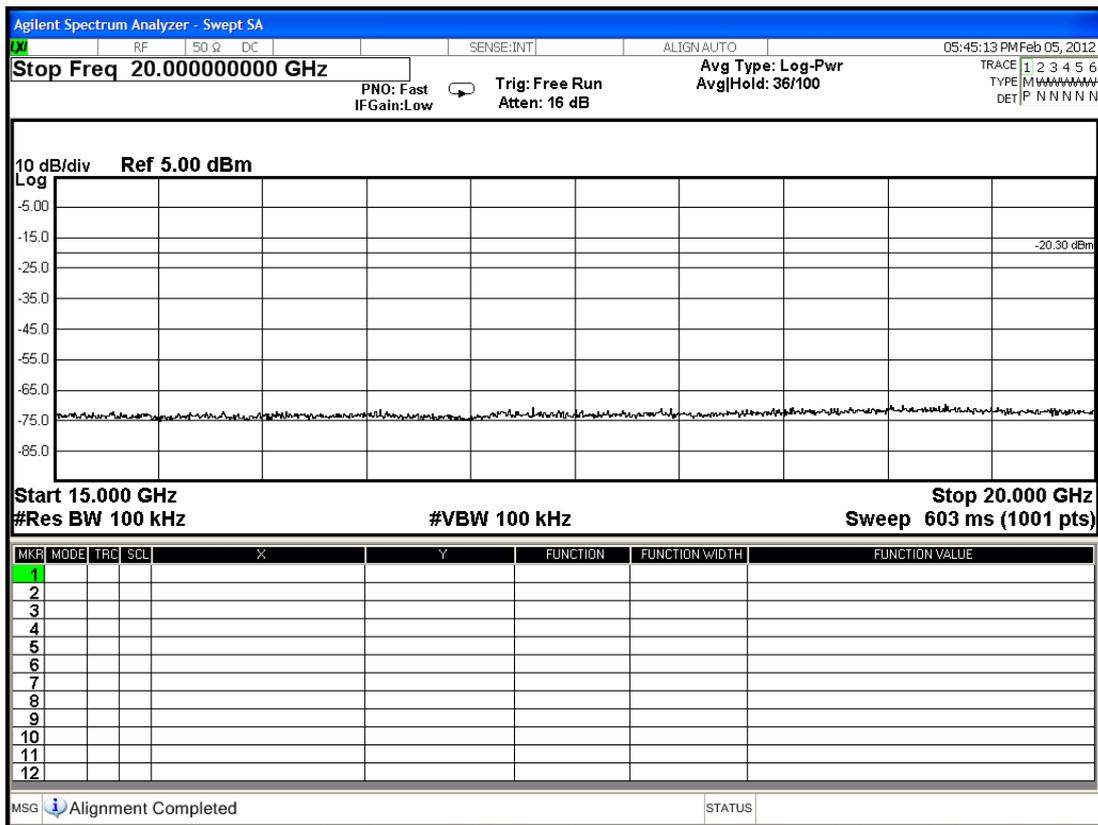


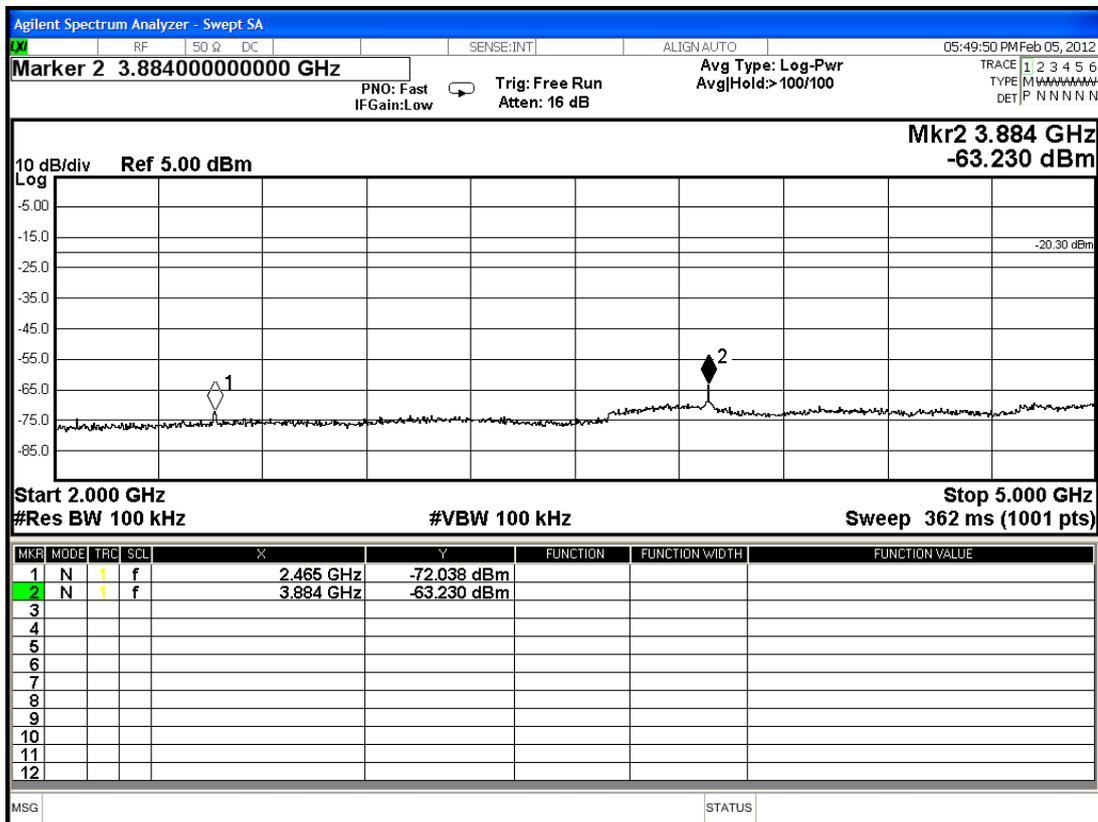
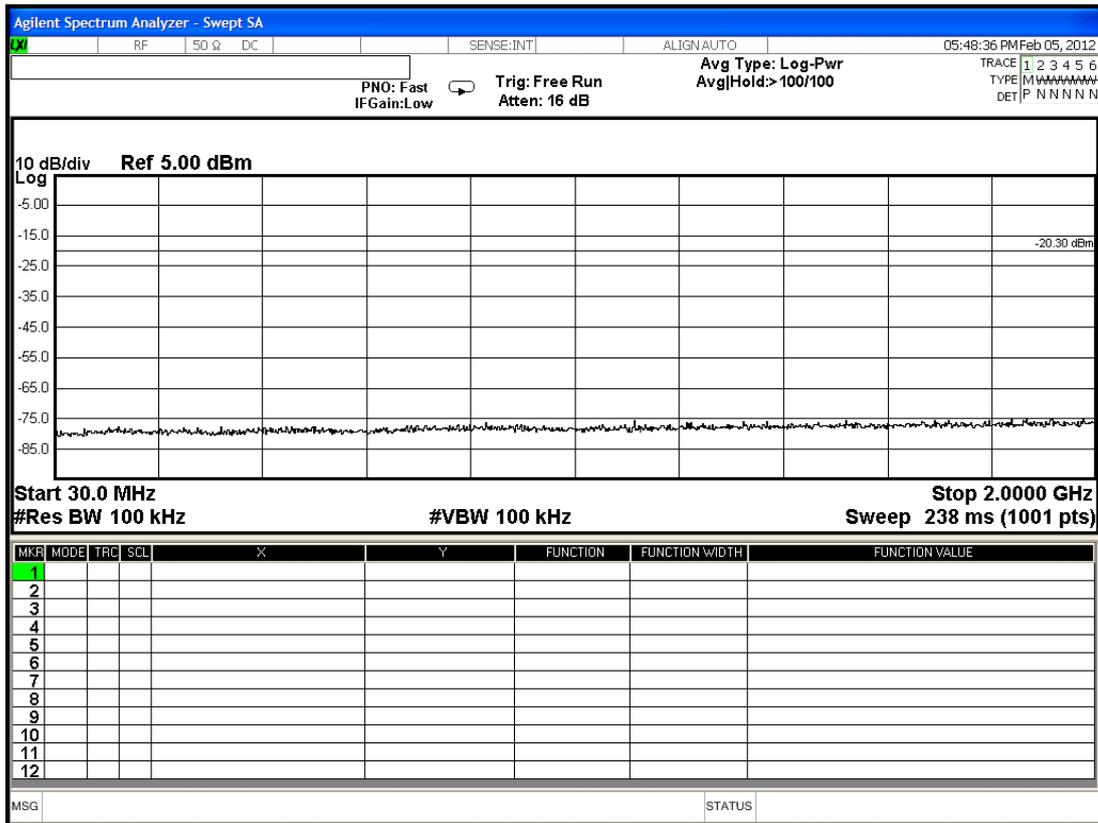




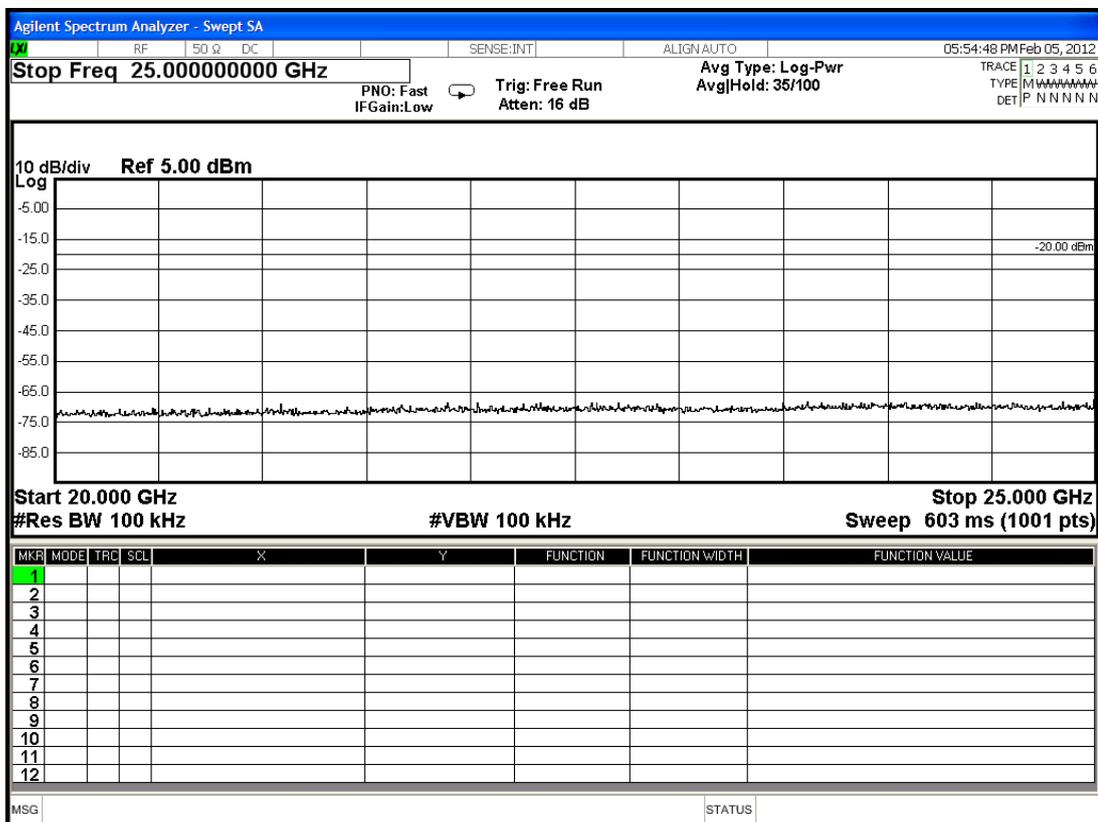
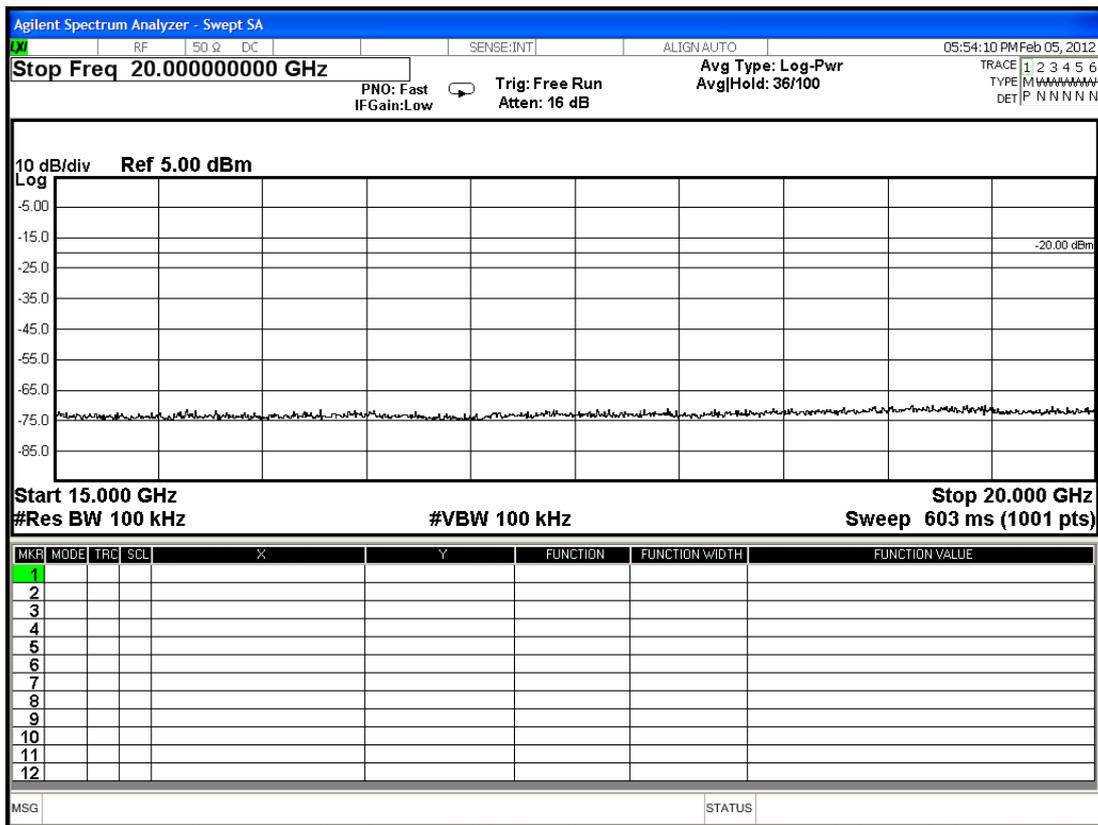


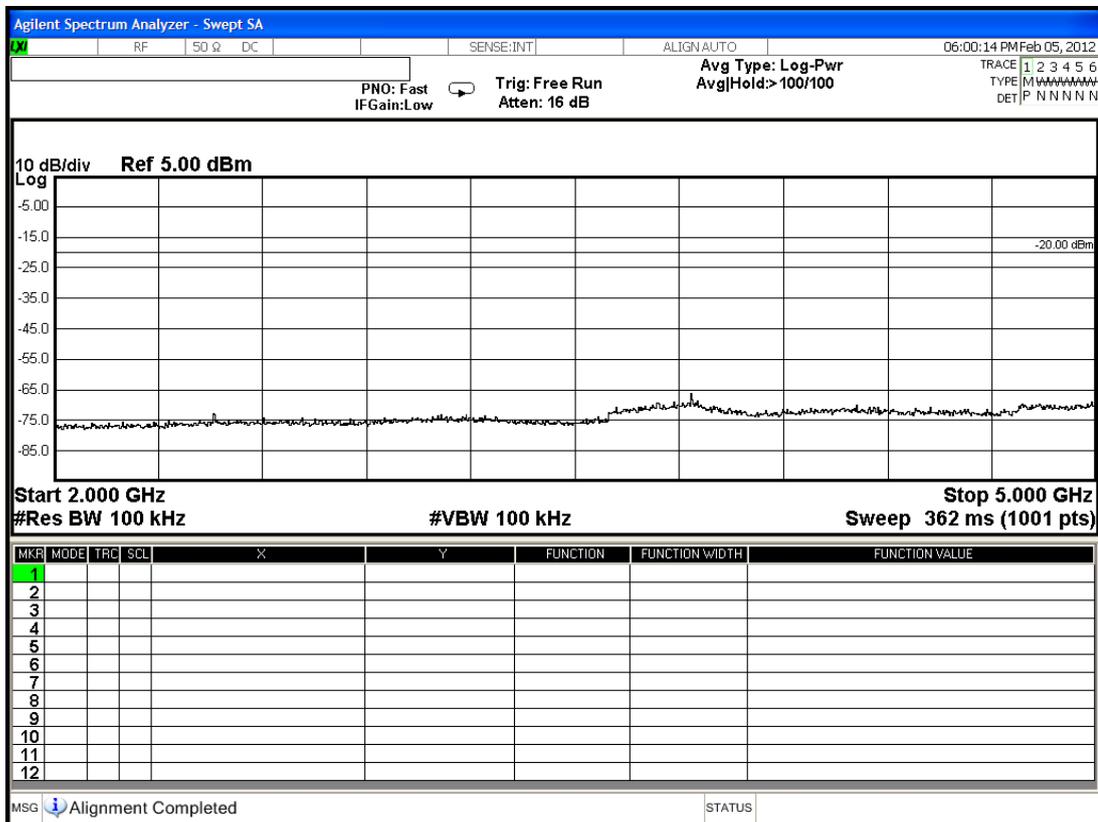
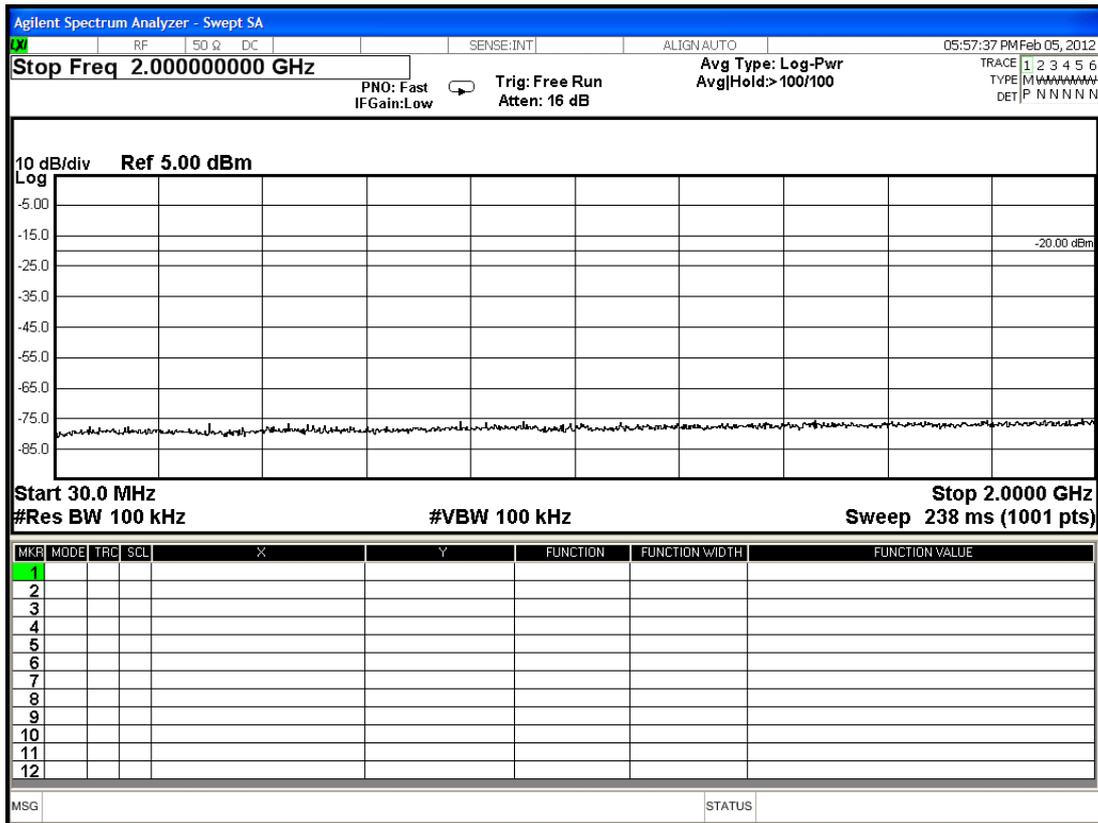




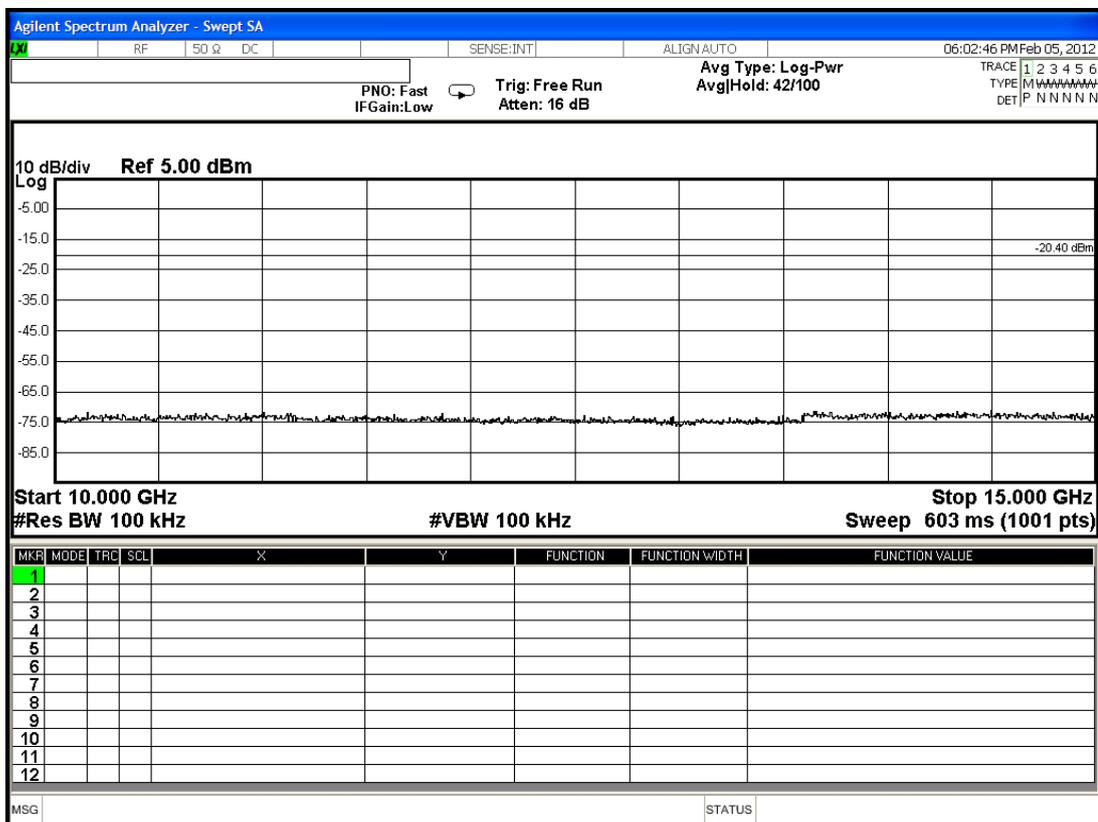
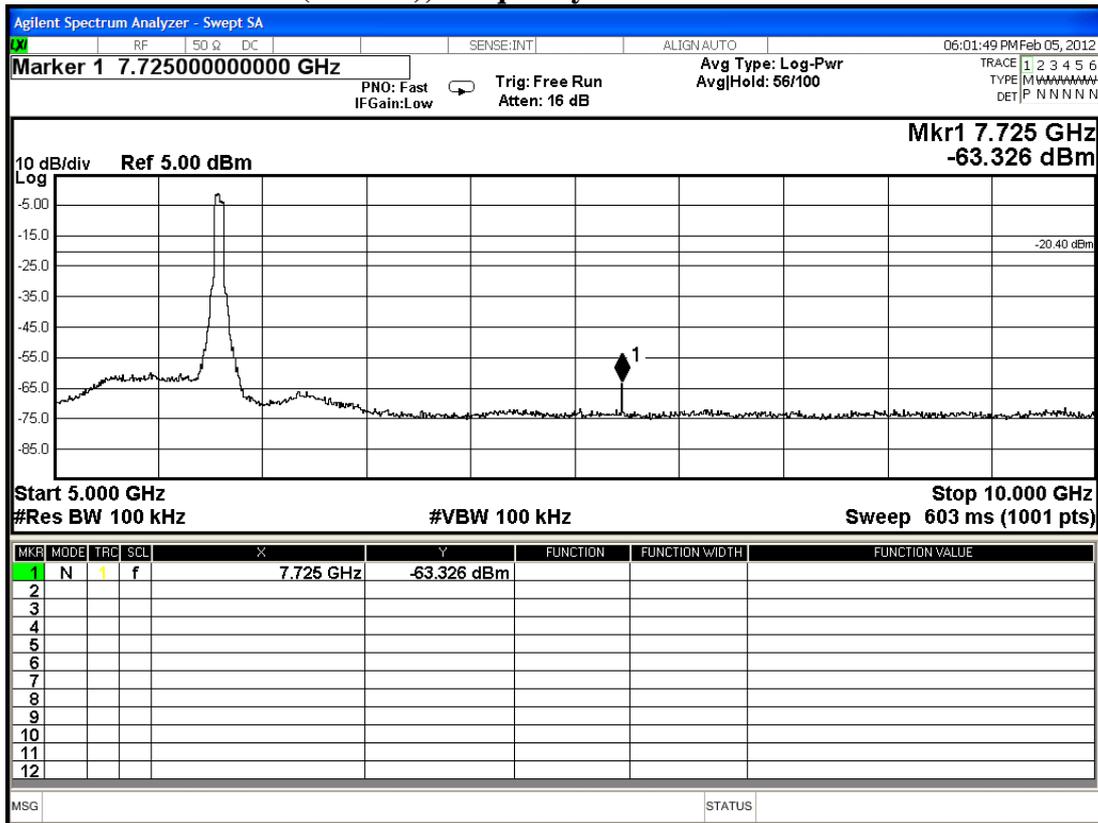


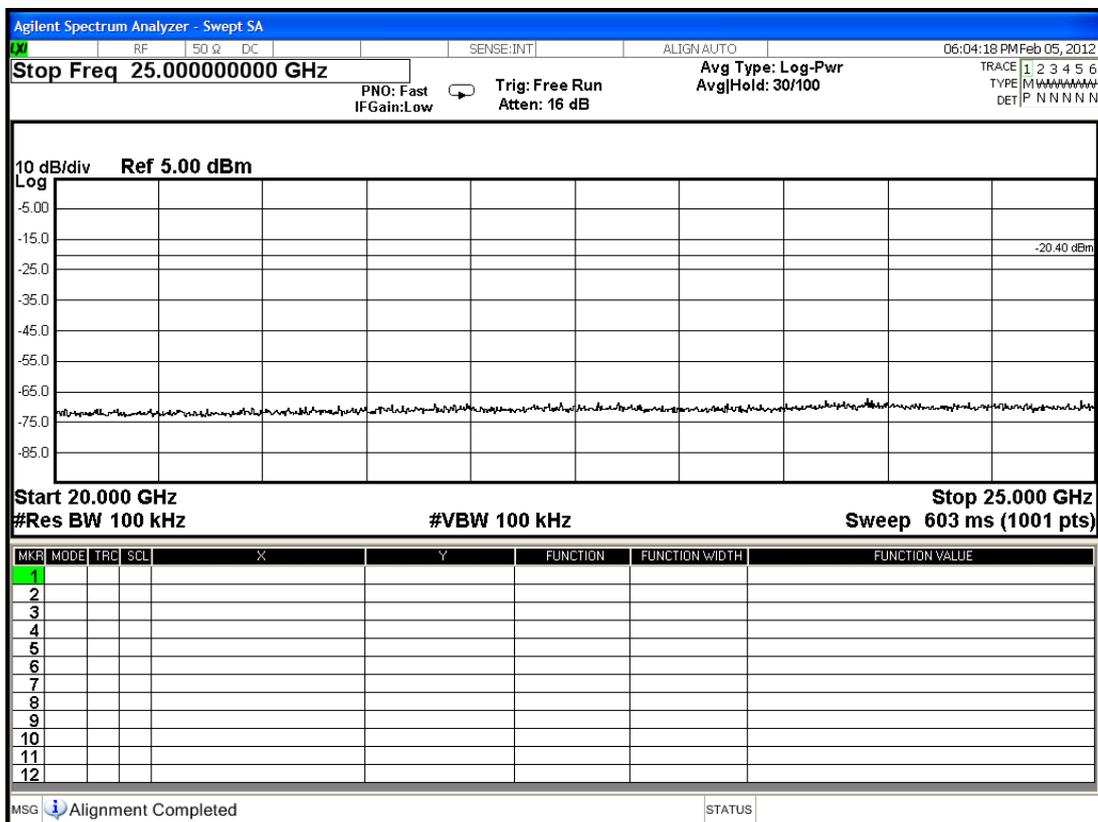
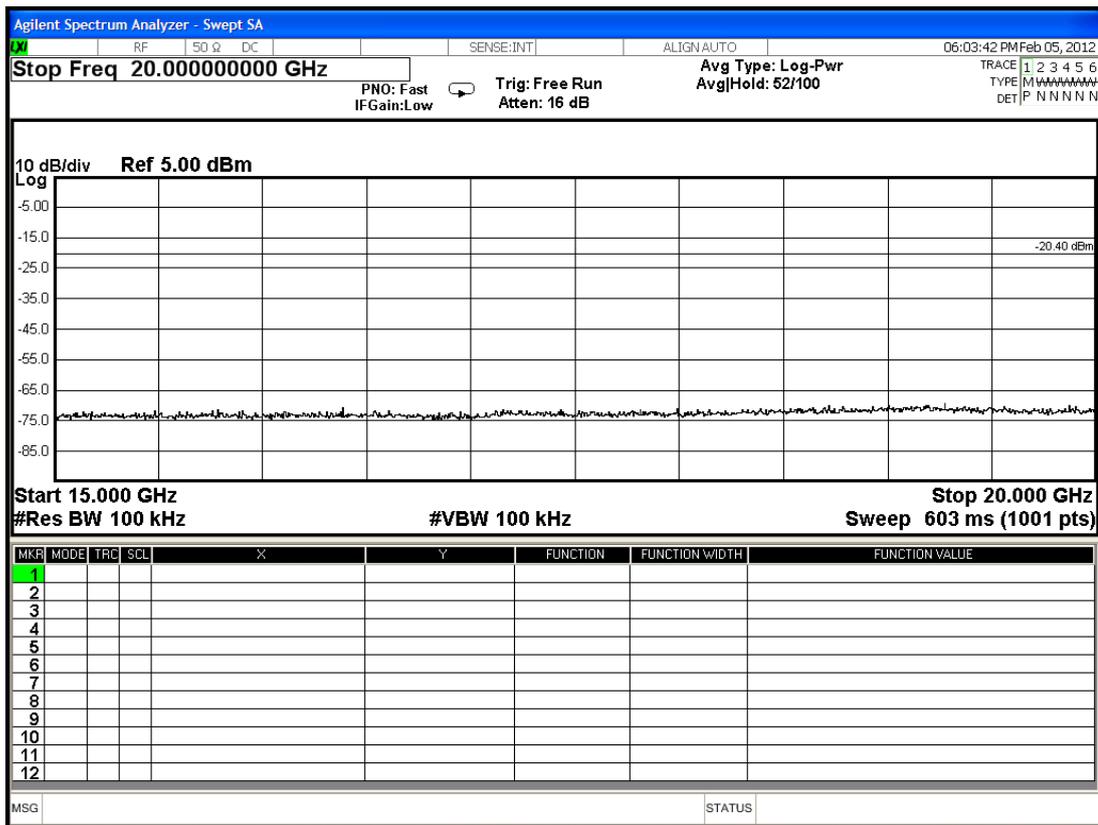


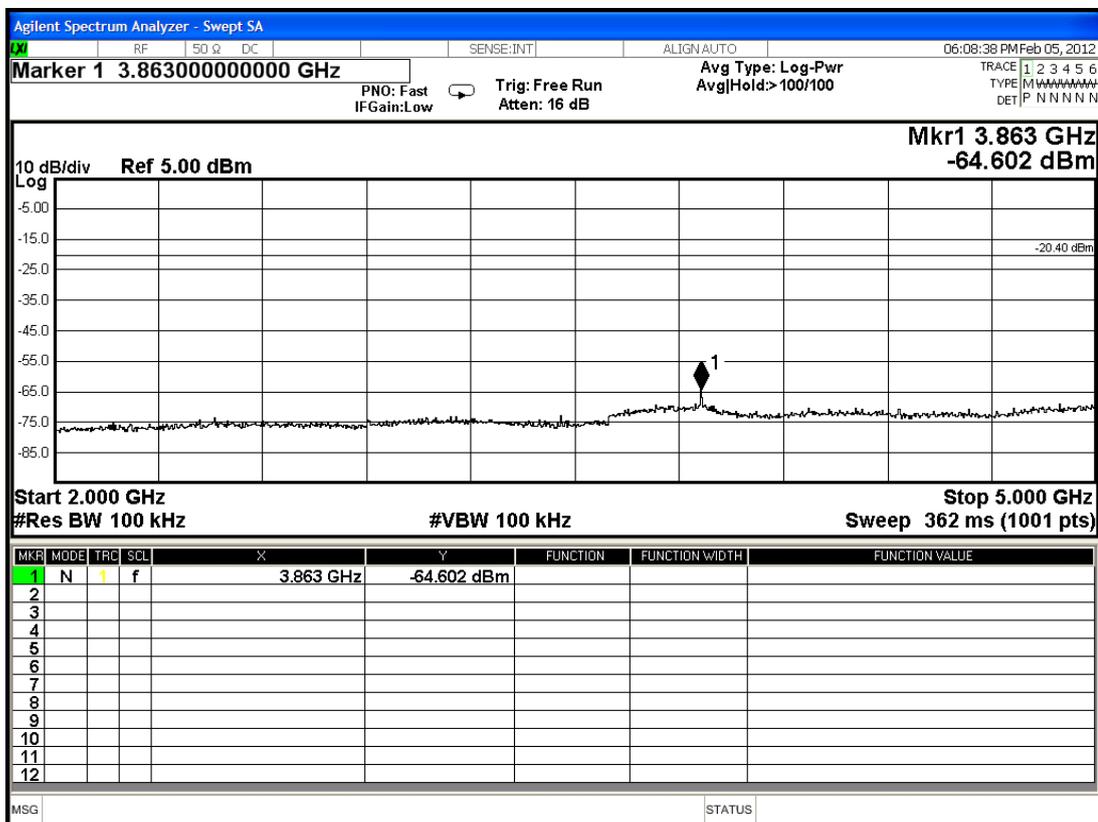
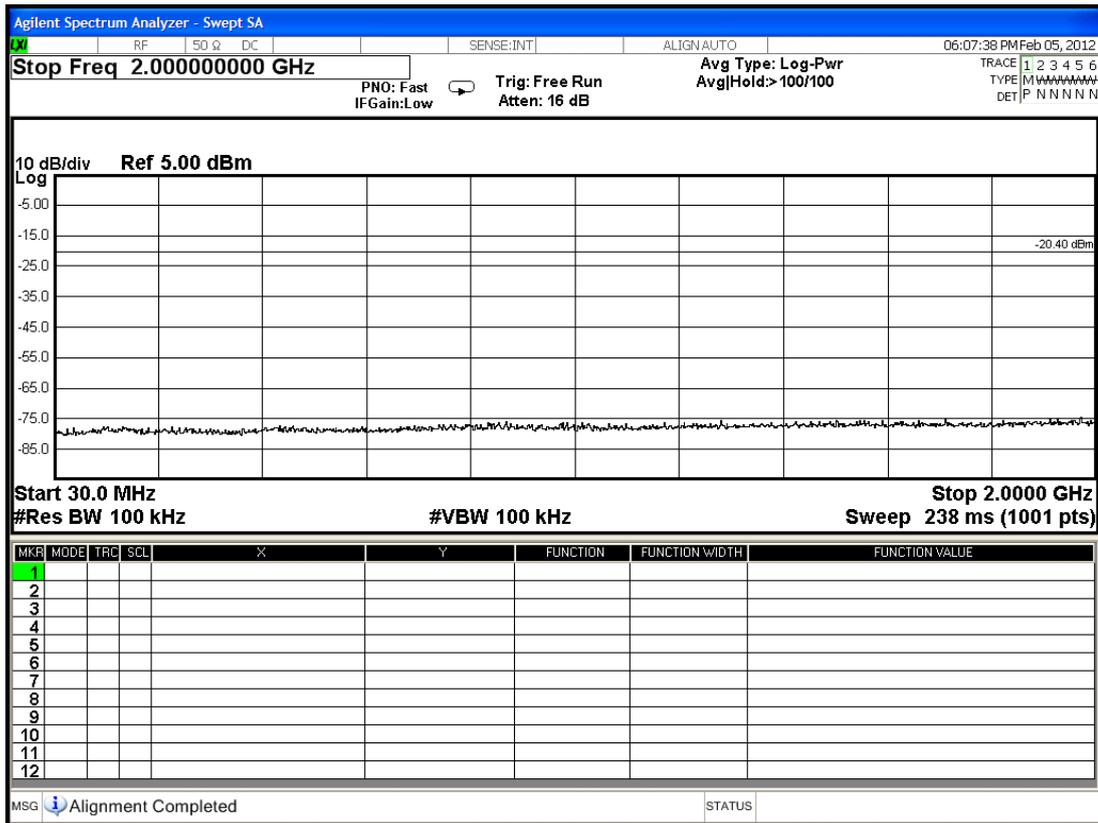




### DTS 802.11n-HT40 (5.8GHz), Frequency: 5795MHz







## 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	N9030A-544	US51350140	Oct. 14, 11'	Oct. 13, 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 “hyper terminal” 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 558074

## 7.6. Test Results

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

Test Date : Feb. 01, 2012    Temperature : 25°C    Humidity : 51%

Test Date : Feb. 02, 2012    Temperature : 24°C    Humidity : 52%

### **DTS 802.11b (2.4GHz)**

Below Band edge: The highest emission level is -52.444dBm on 2.39992GHz ◦

Upper Band edge : The highest emission level is -47.910dBm on 2.48350GHz ◦

### **DTS 802.11g (2.4GHz)**

Below Band edge: The highest emission level is -27.448dBm on 2.39992GHz ◦

Upper Band edge : The highest emission level is -36.927dBm on 2.48350GHz ◦

### **DTS 802.11a (5.8GHz)**

Below Band edge: The highest emission level is -46.251dBm on 5.72492GHz ◦

Upper Band edge : The highest emission level is -48.594dBm on 5.585000GHz ◦

### **802.11n-HT20 (2.4GHz)**

Below Band edge: The highest emission level is -27.194dBm on 2.39992GHz ◦

Upper Band edge : The highest emission level is -34.492dBm on 2.48350GHz ◦

### **802.11n-HT20 (5.8GHz)**

Below Band edge: The highest emission level is -43.291dBm on 5.72492GHz ◦

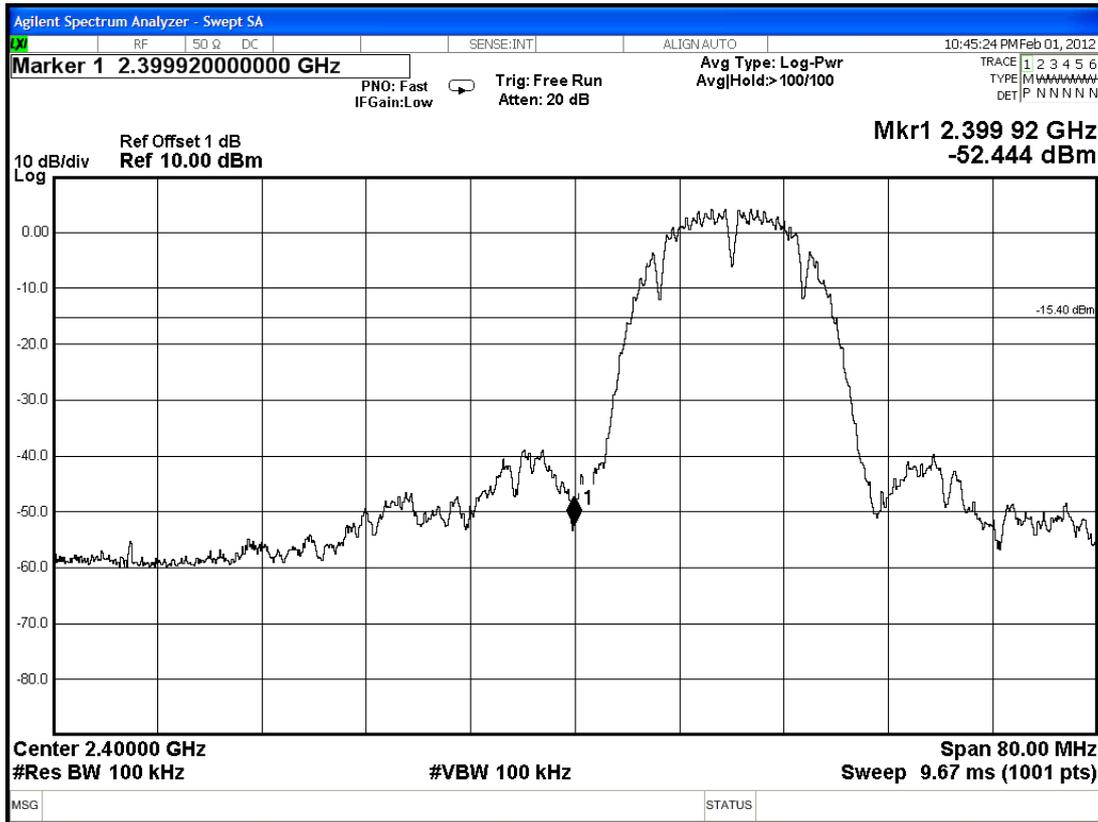
Upper Band edge : The highest emission level is -48.594dBm on 5.85000GHz ◦

### **DTS 802.11n-HT40 (5.8GHz)**

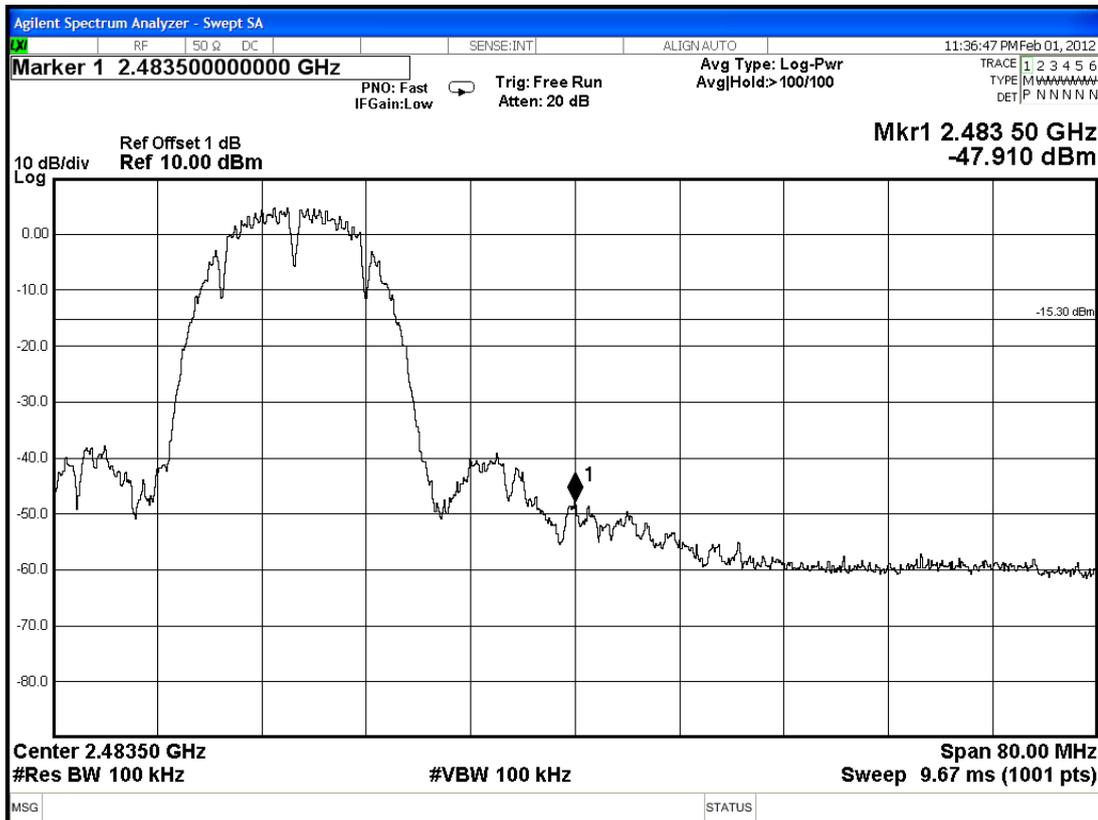
Below Band edge: The highest emission level is -37.449dBm on 5.7250GHz ◦

Upper Band edge : The highest emission level is -51.871dBm on 5.85000GHz ◦

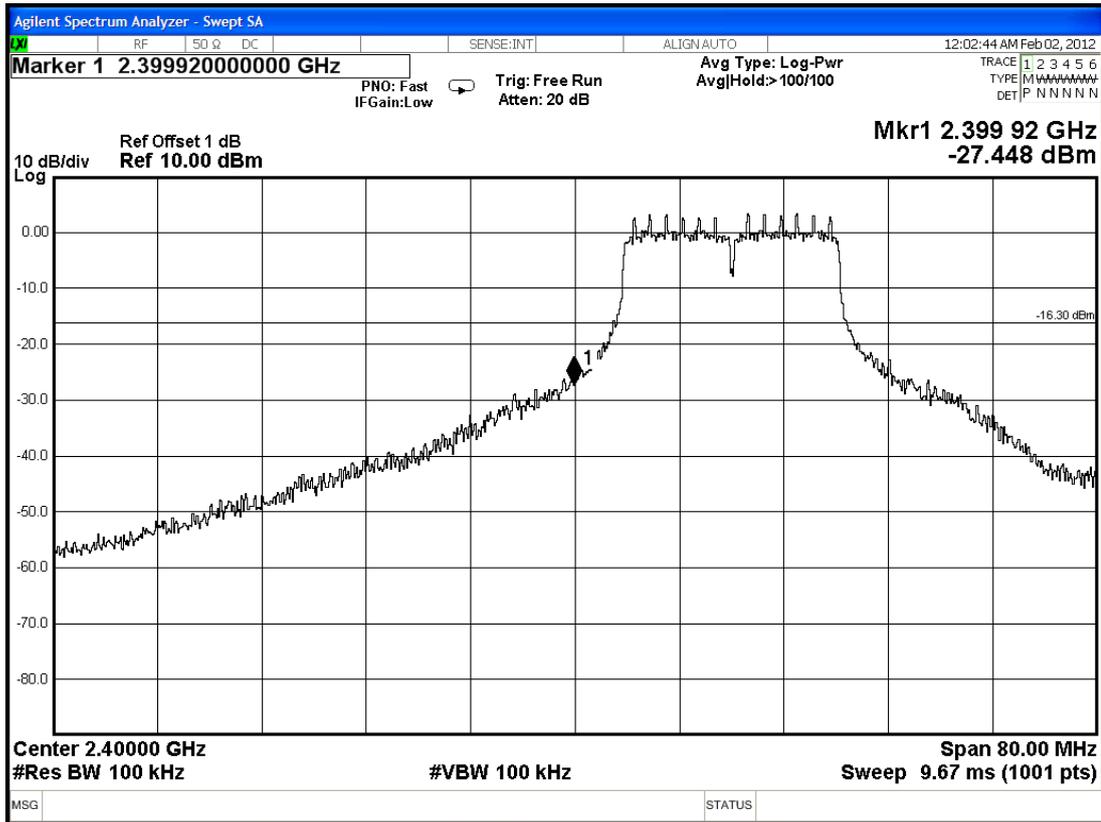
### DTS 802.11b (2.4GHz) Below Band edge



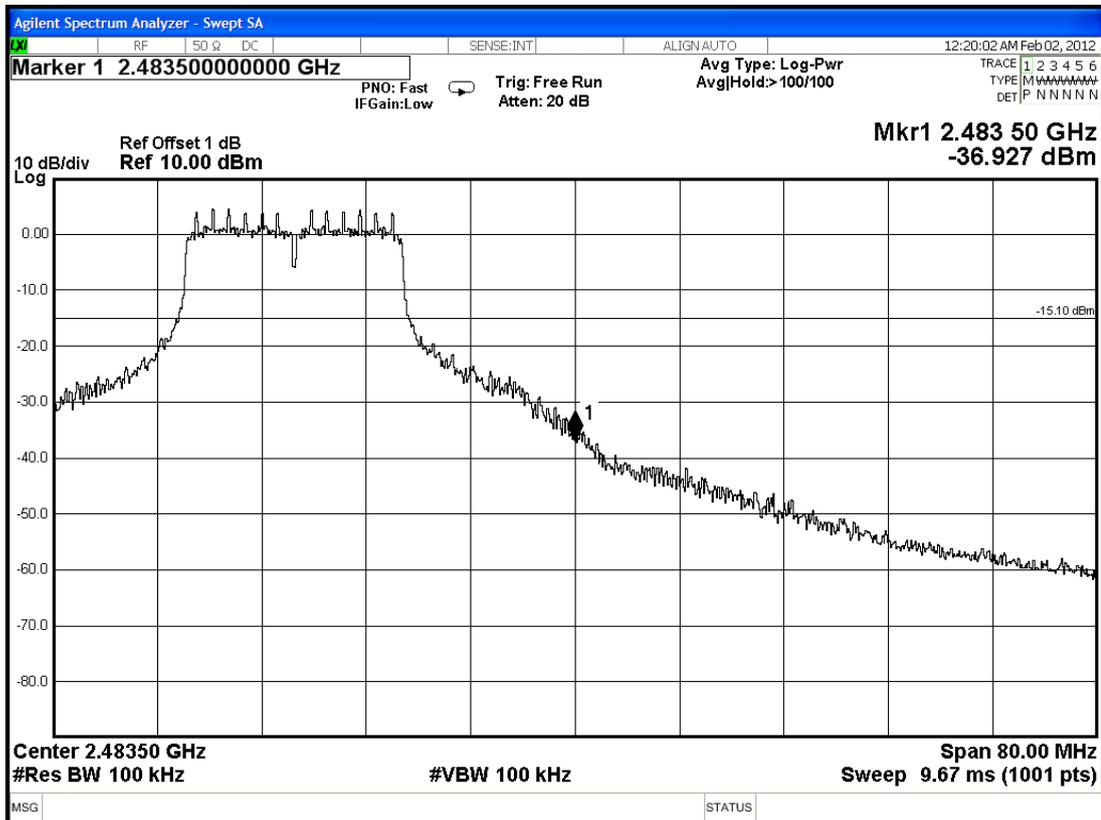
### Upper Band edge



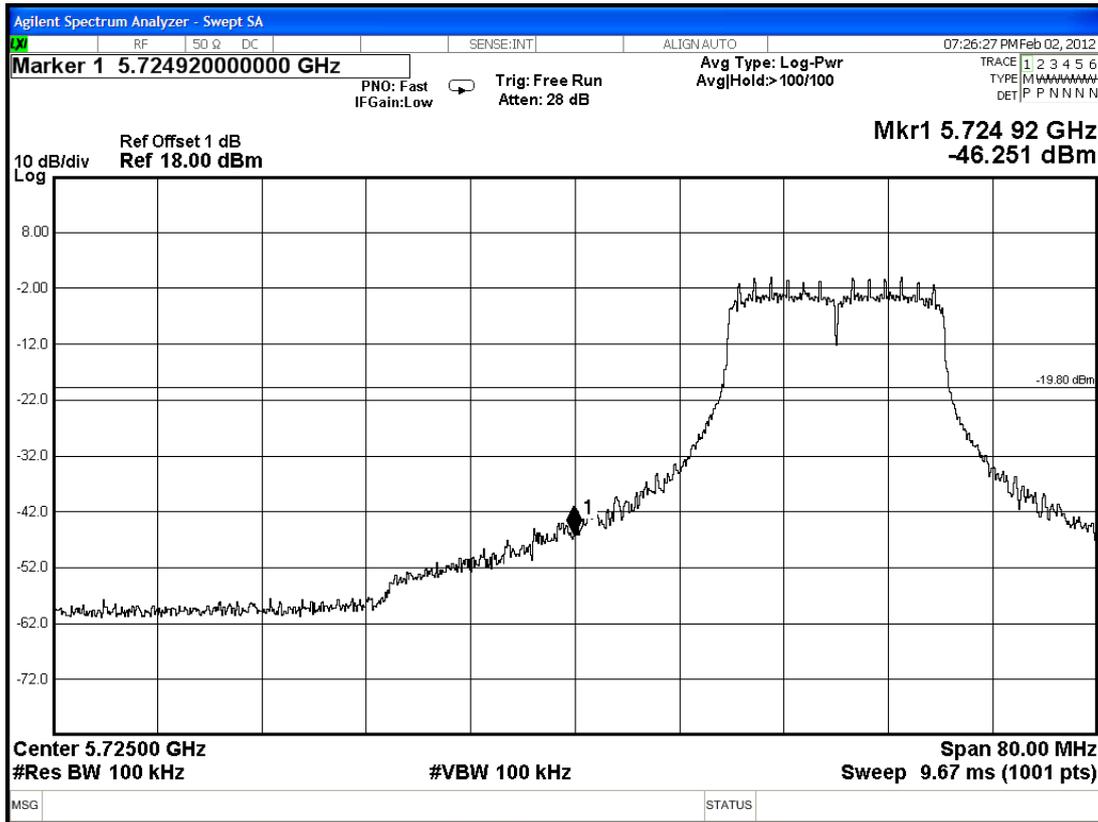
### DTS 802.11g (2.4GHz) Below Band edge



### Upper Band edge



### DTS 802.11a (5.8GHz) Below Band edge

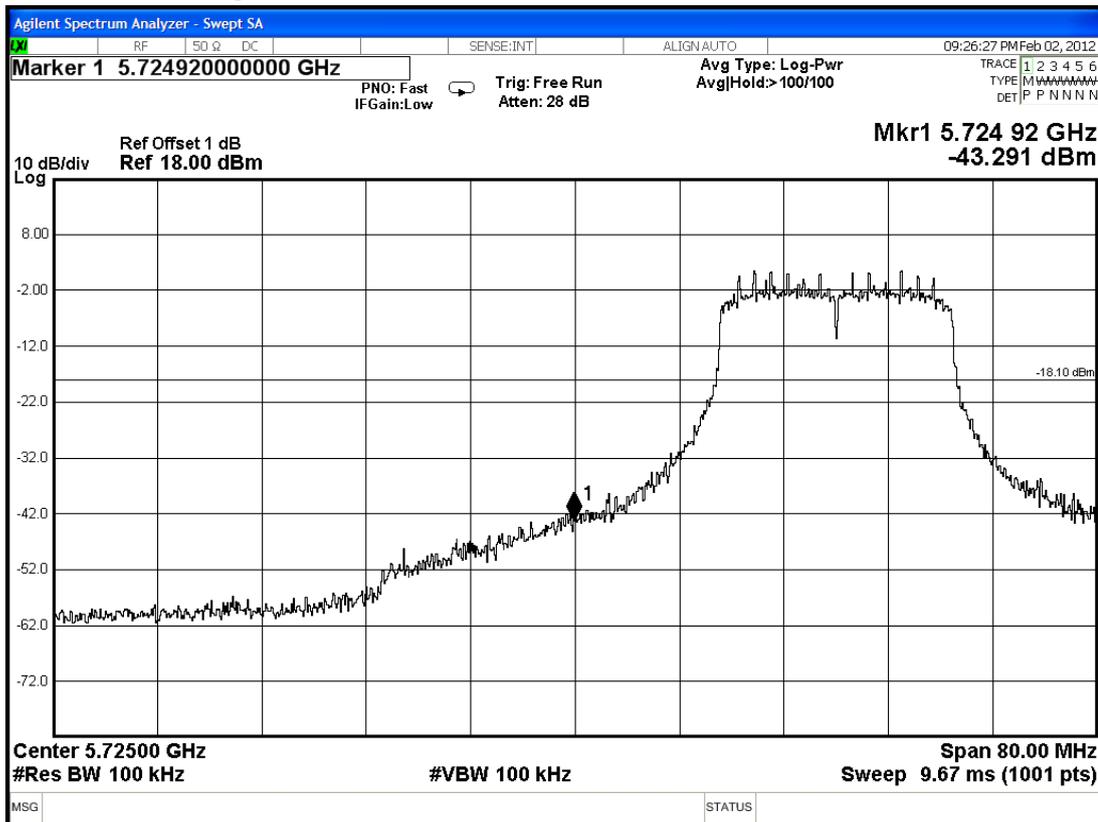


### Upper Band edge

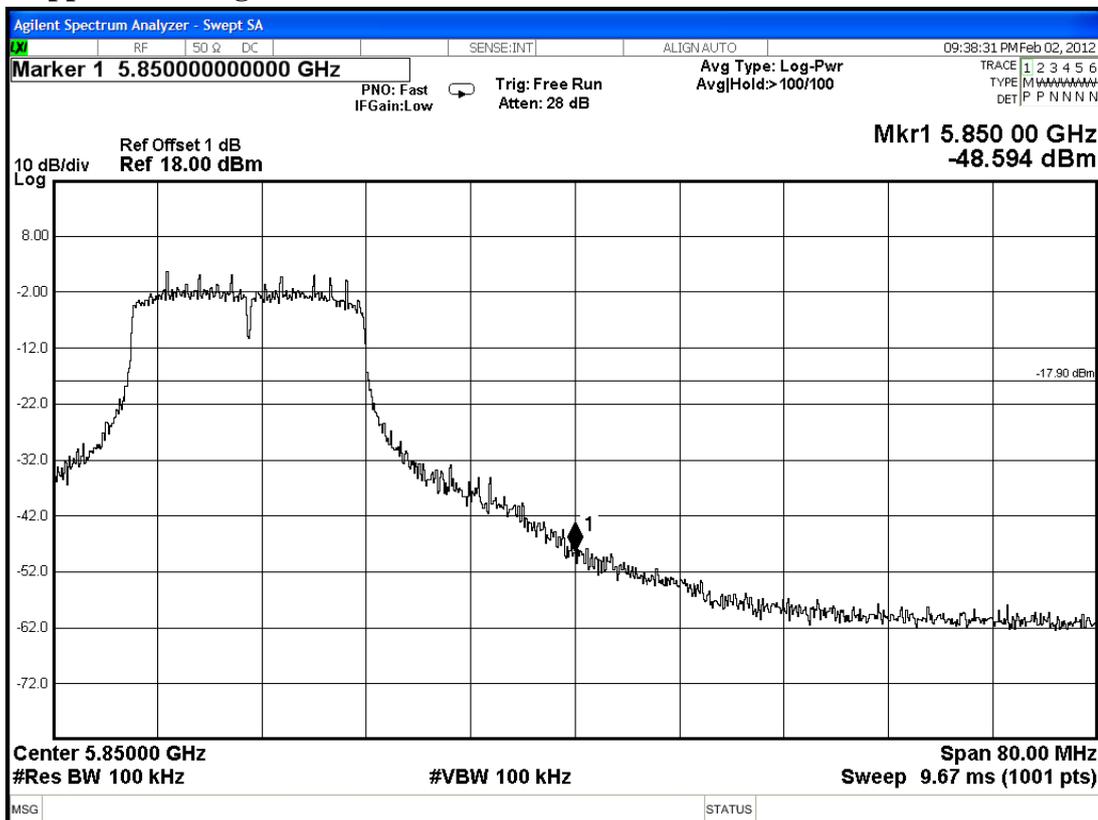




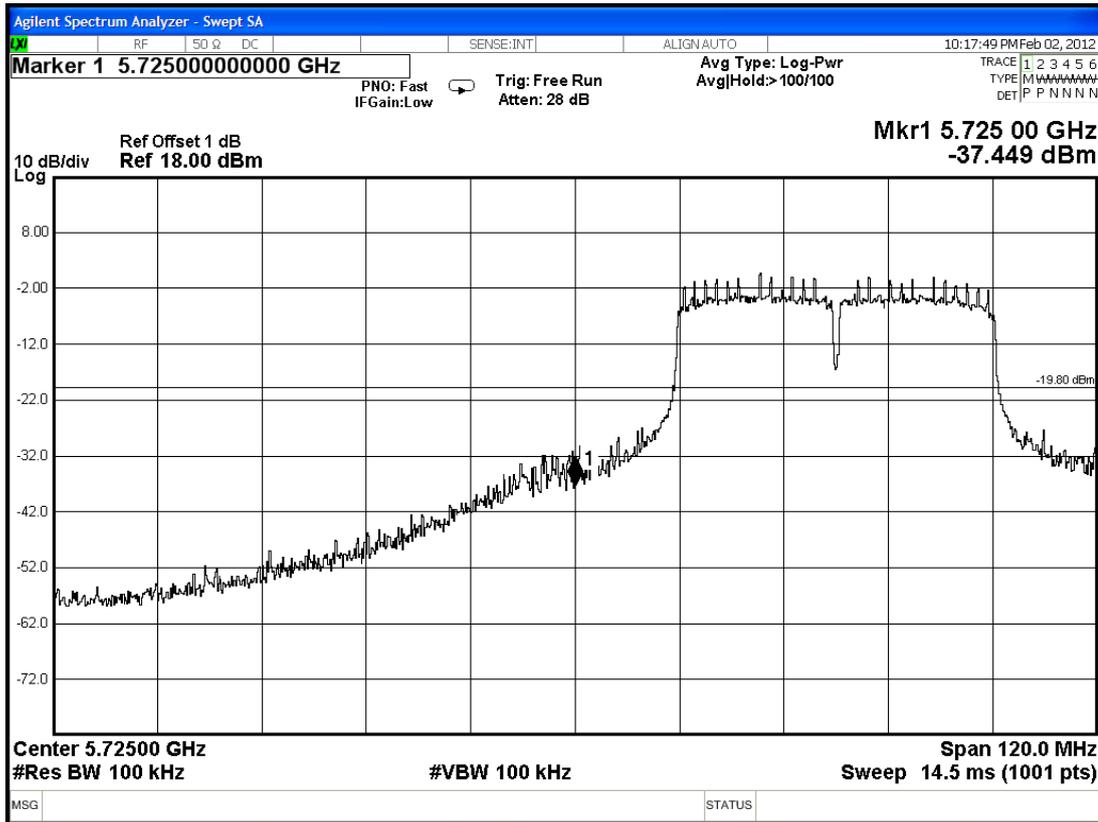
### 802.11n-HT20 (5.8GHz) Below Band edge



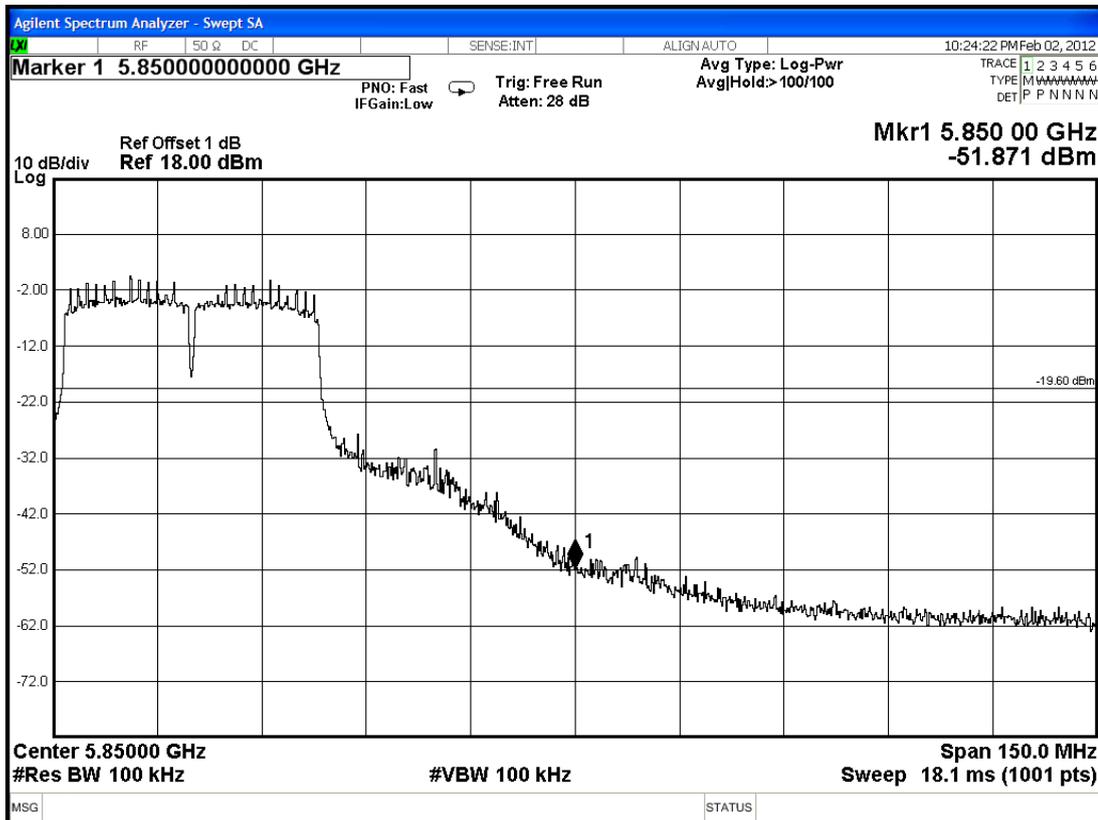
### Upper Band edge



### DTS 802.11n-HT40 (5.8GHz) 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	N9030A-544	US51350140	Oct. 14, 11'	Oct. 13, 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 “hyper terminal” 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 558074.

## 8.6. Test Results

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

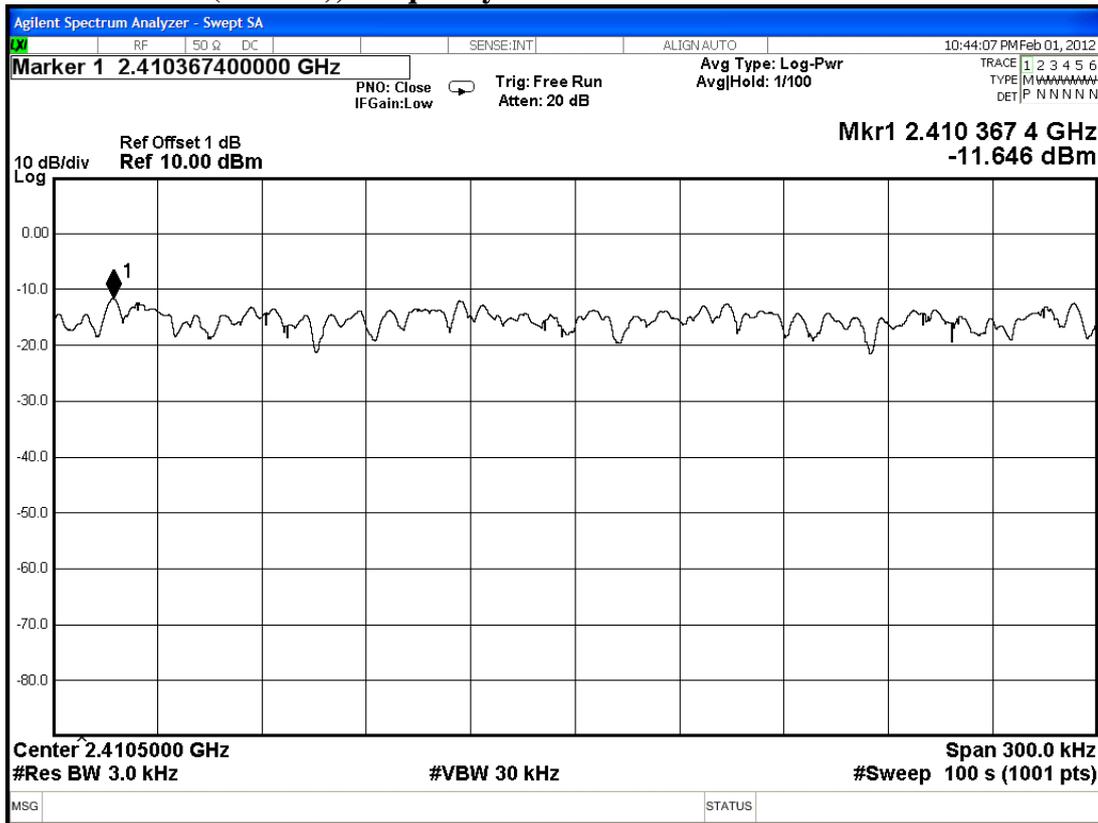
Test Date : Feb. 01, 2012    Temperature : 25°C    Humidity : 51%

Test Date : Feb. 02, 2012    Temperature : 24°C    Humidity : 52%

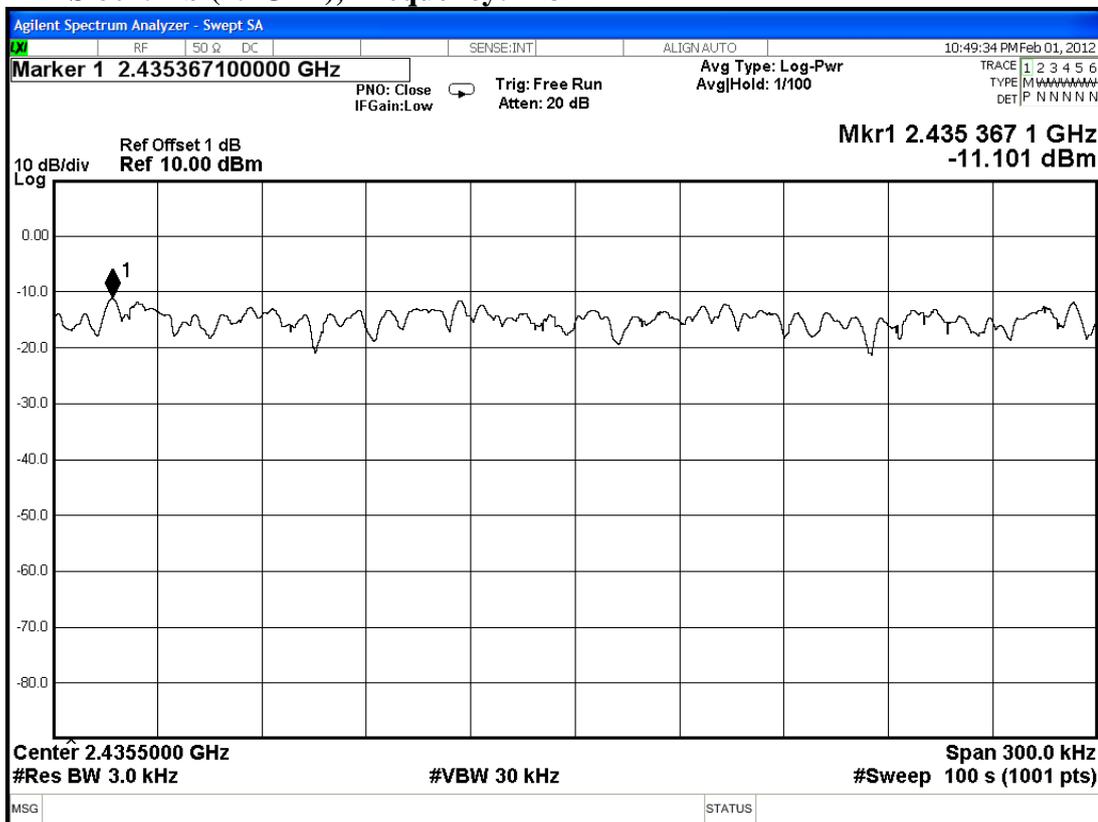
Mode	Type of Network	Channel	Frequency	Power Spectral Density (dBm)
1.	DTS 802.11b (2.4GHz)	CH 1	2412MHz	<b>-11.646</b>
2.		CH 6	2437MHz	<b>-11.101</b>
3.		CH 11	2462MHz	<b>-11.193</b>
4.	DTS 802.11g (2.4GHz)	CH 1	2412MHz	<b>-10.926</b>
5.		CH 6	2437MHz	<b>-9.945</b>
6.		CH 11	2462MHz	<b>-9.081</b>
7.	DTS 802.11a (5.8GHz)	CH 149	5745MHz	<b>-13.330</b>
8.		CH 157	5785MHz	<b>-11.528</b>
9.		CH 165	5825MHz	<b>-12.016</b>
10.	DTS 802.11n-HT20 (2.4GHz)	CH 1	2412MHz	<b>-10.282</b>
11.		CH 6	2437MHz	<b>-9.248</b>
12.		CH 11	2462MHz	<b>-9.738</b>
13.	802.11n-HT20	CH 149	5745MHz	<b>-11.853</b>
14.		CH 157	5785MHz	<b>-11.627</b>
15.		CH 165	5825MHz	<b>-11.672</b>
16.	DTS 802.11n-HT40 (5.8GHz)	CH 151	5755MHz	<b>-13.124</b>
17.		CH 159	5795MHz	<b>-13.743</b>

[Limit: 8dBm]

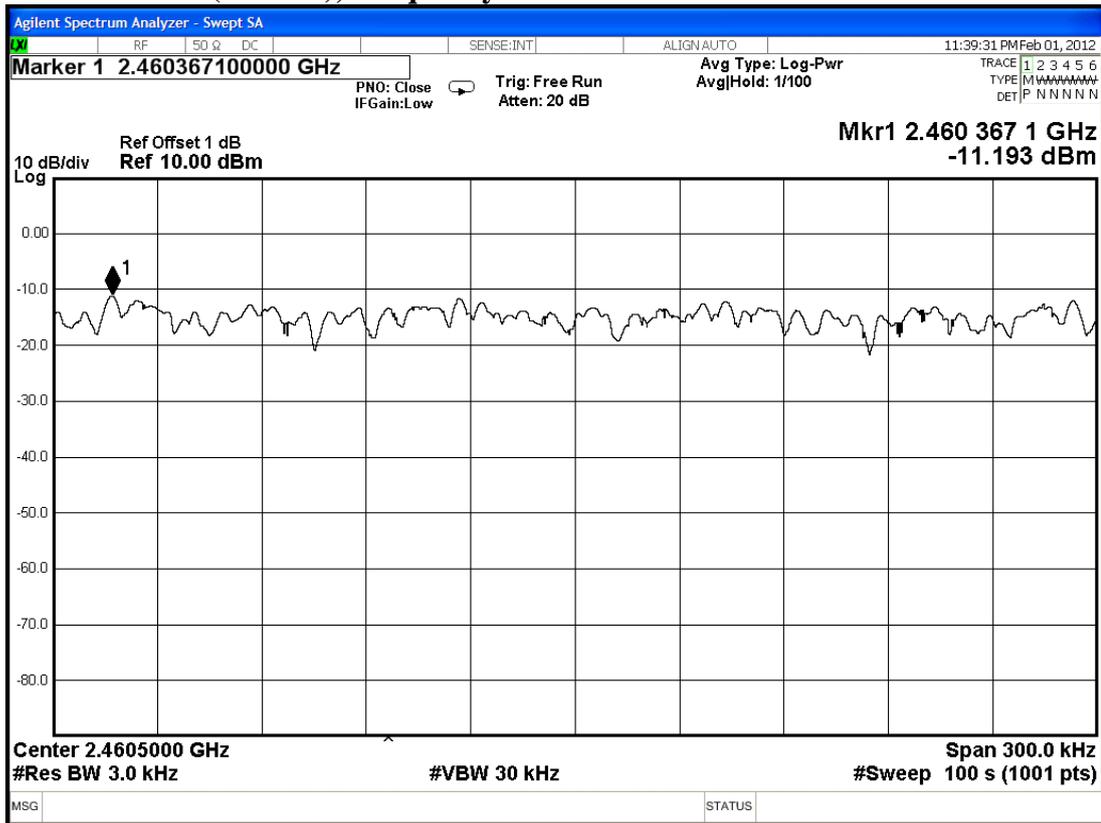
### DTS 802.11b (2.4GHz), Frequency: 2412MHz



### DTS 802.11b (2.4GHz), Frequency: 2437MHz



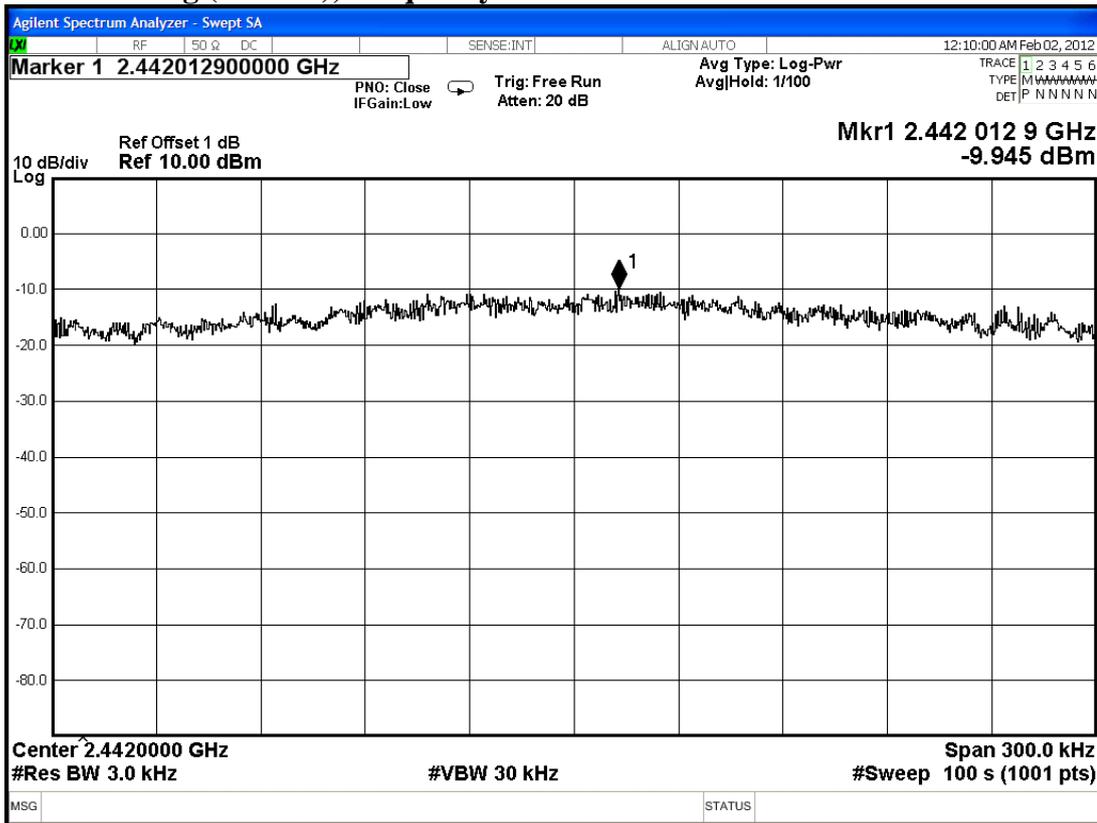
### DTS 802.11b (2.4GHz), Frequency: 2462MHz



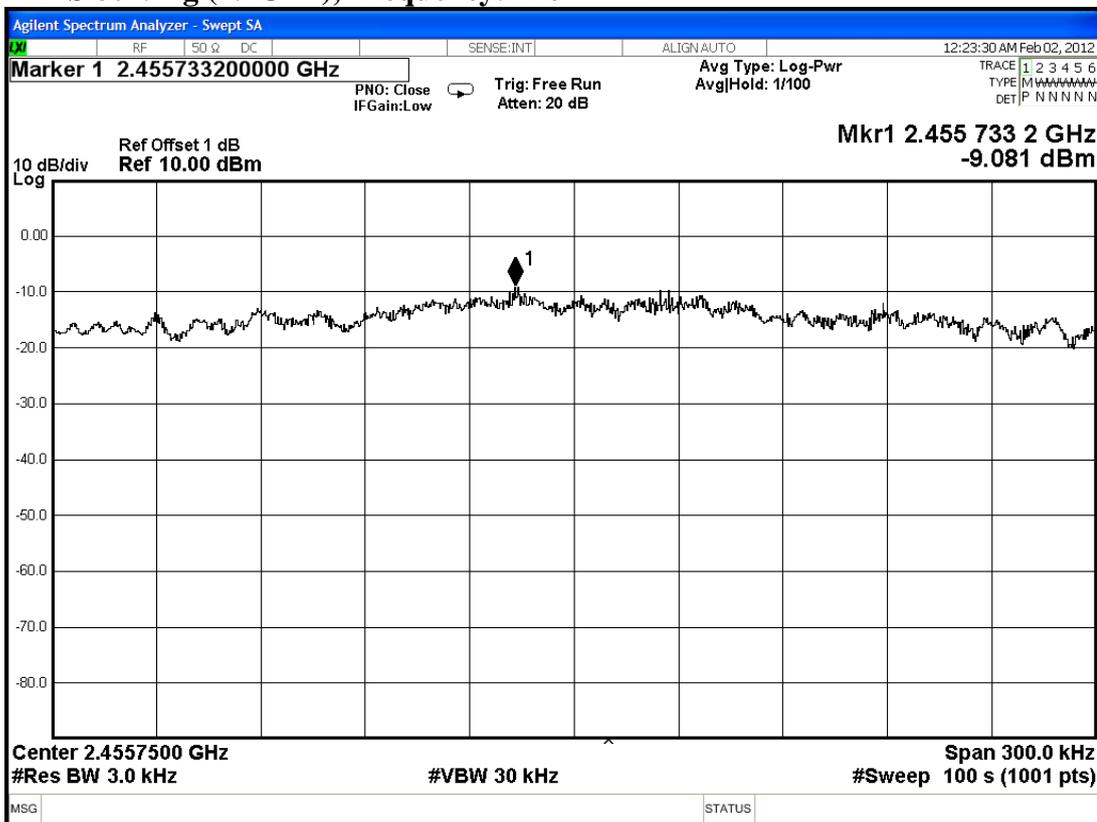
### DTS 802.11g (2.4GHz), Frequency: 2412MHz



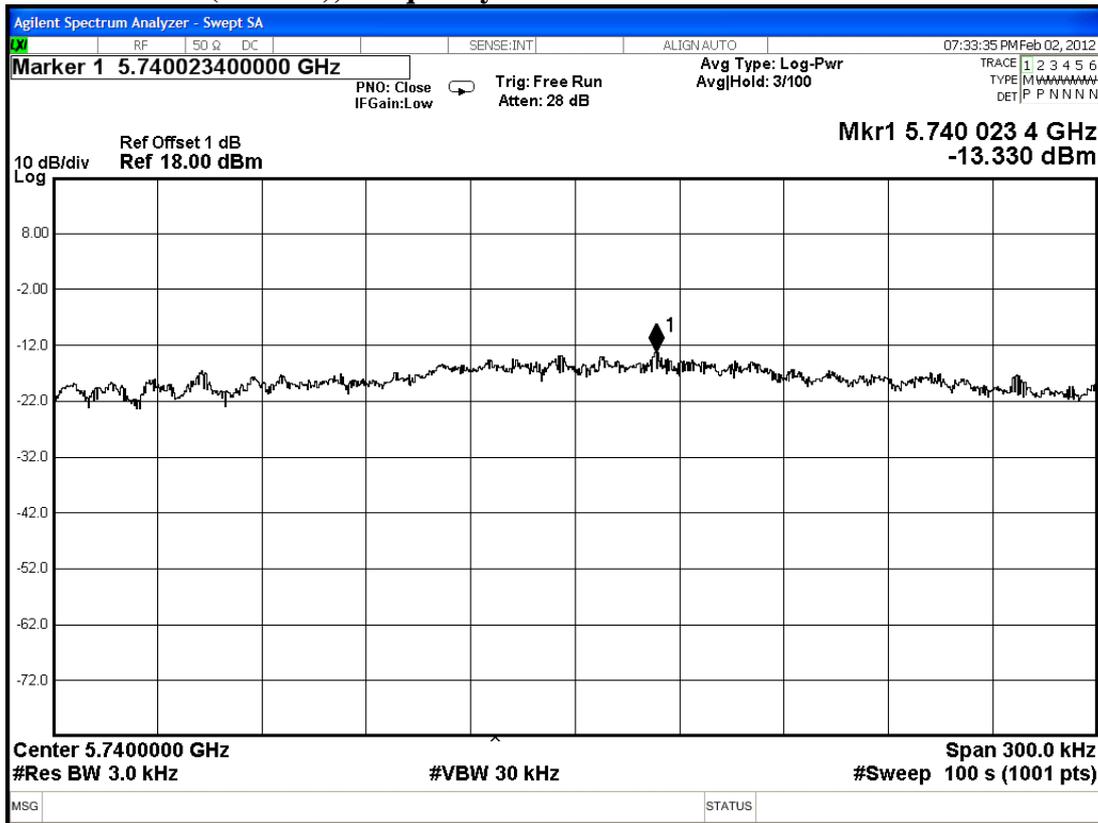
### DTS 802.11g (2.4GHz), Frequency: 2437MHz



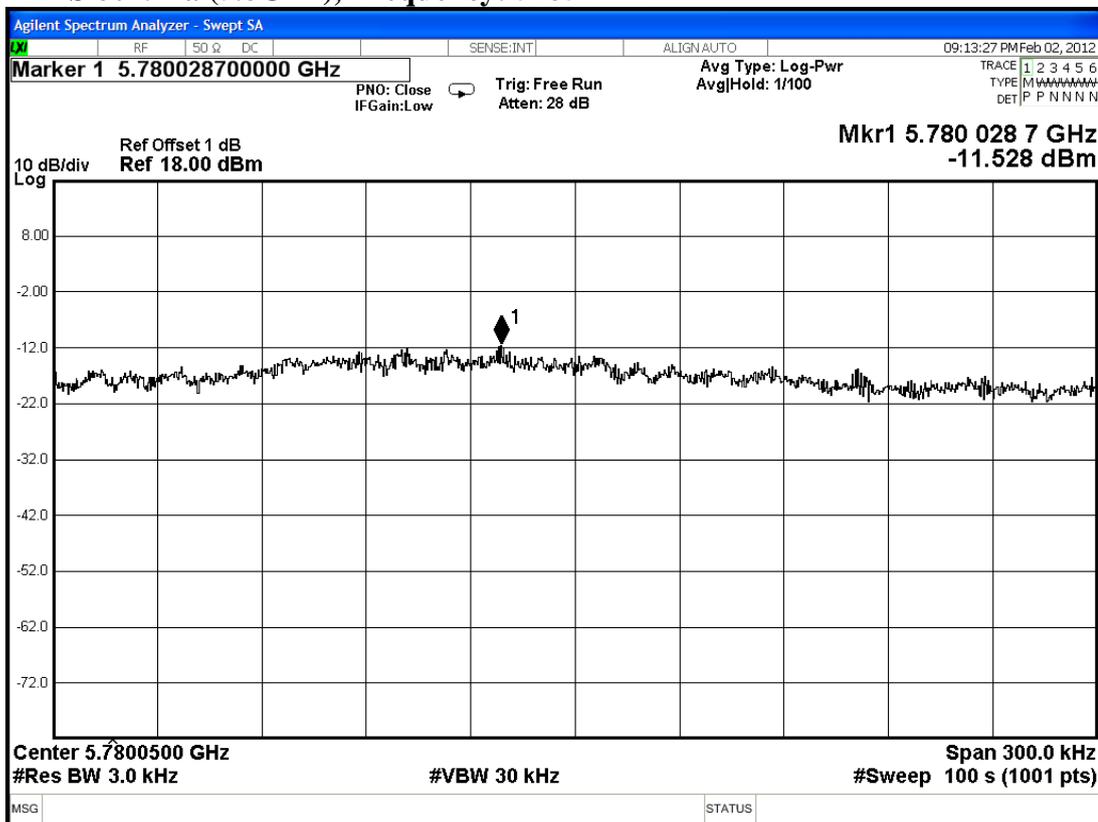
### DTS 802.11g (2.4GHz), Frequency: 2462MHz



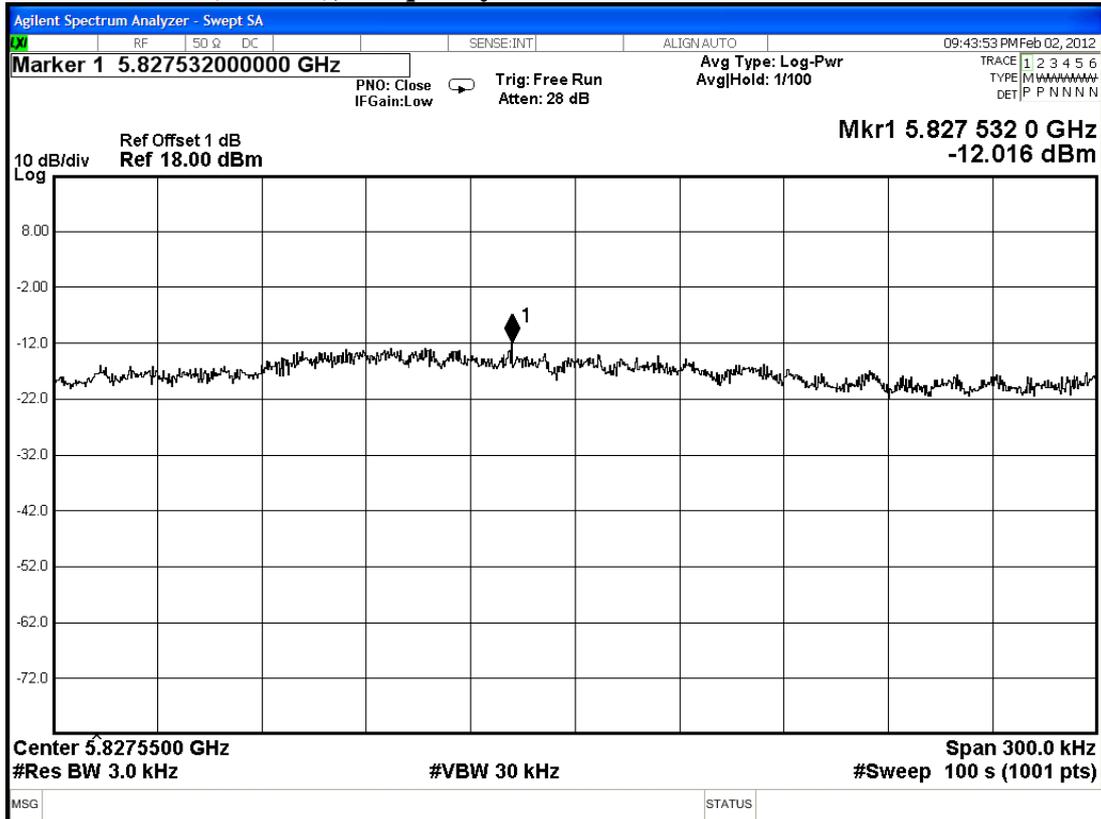
### DTS 802.11a (5.8GHz), Frequency: 5475MHz



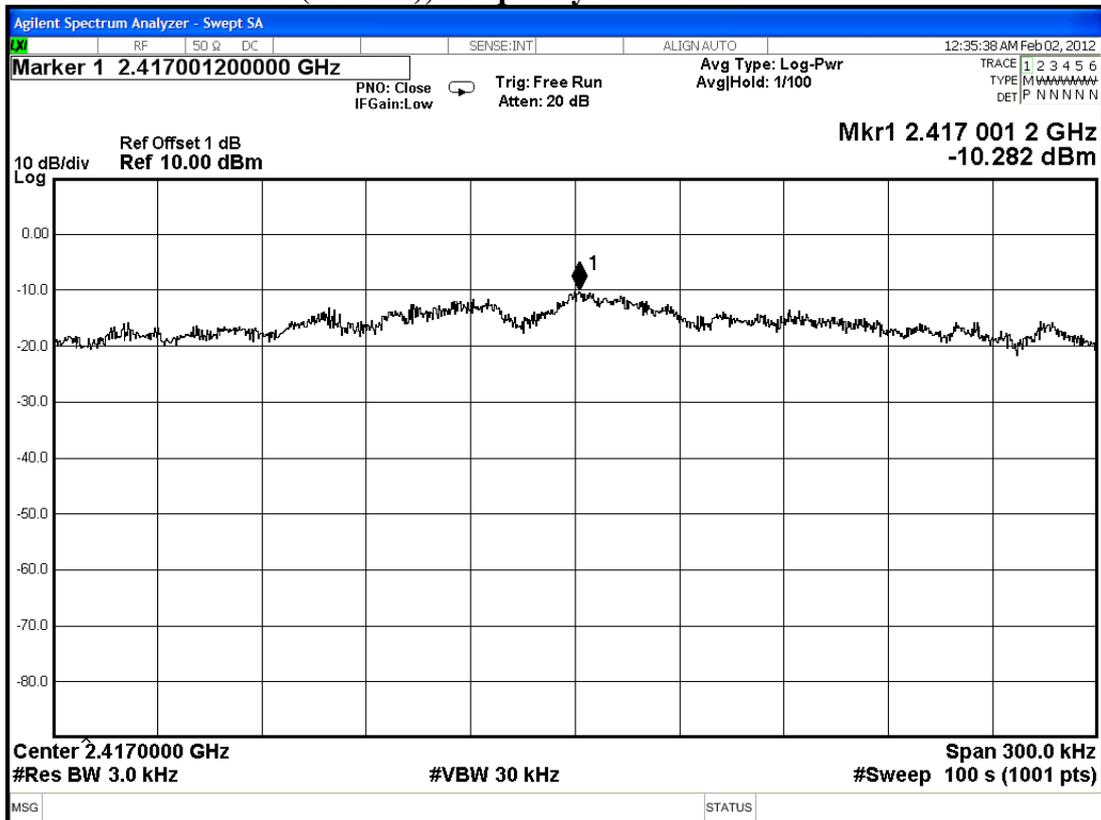
### DTS 802.11a (5.8GHz), Frequency: 5785MHz



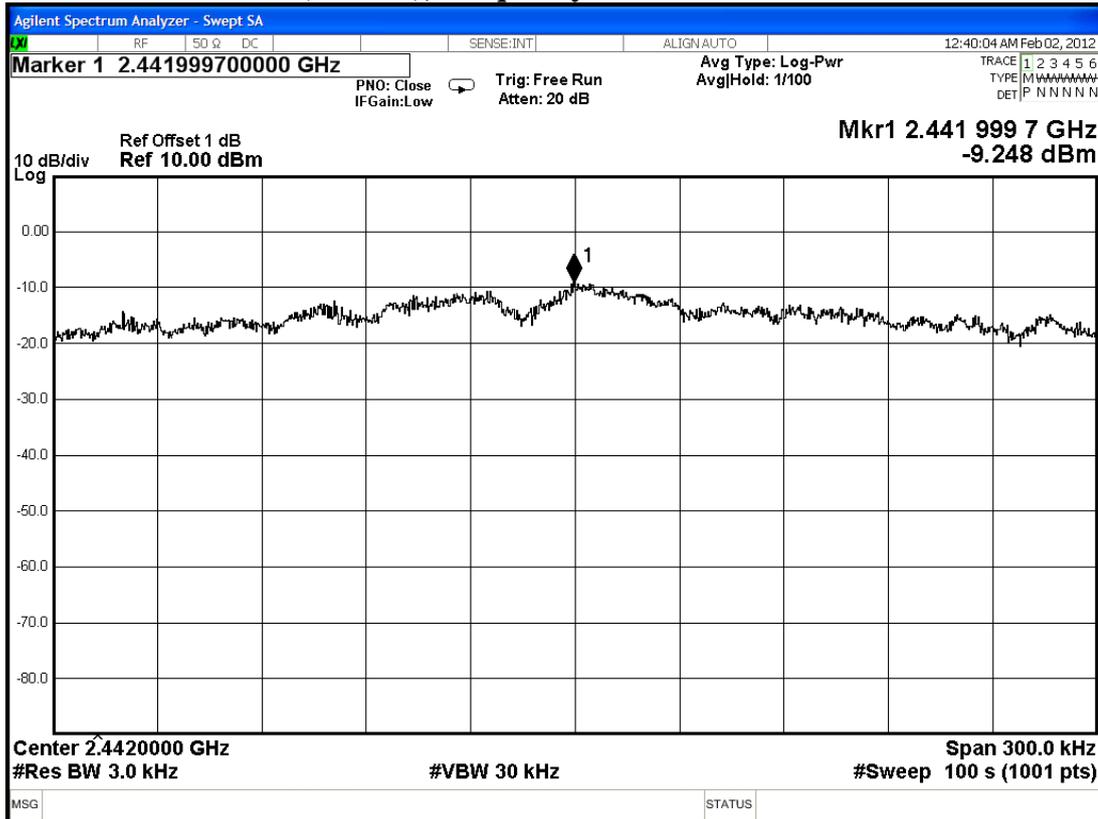
### DTS 802.11a (5.8GHz), Frequency: 5825MHz



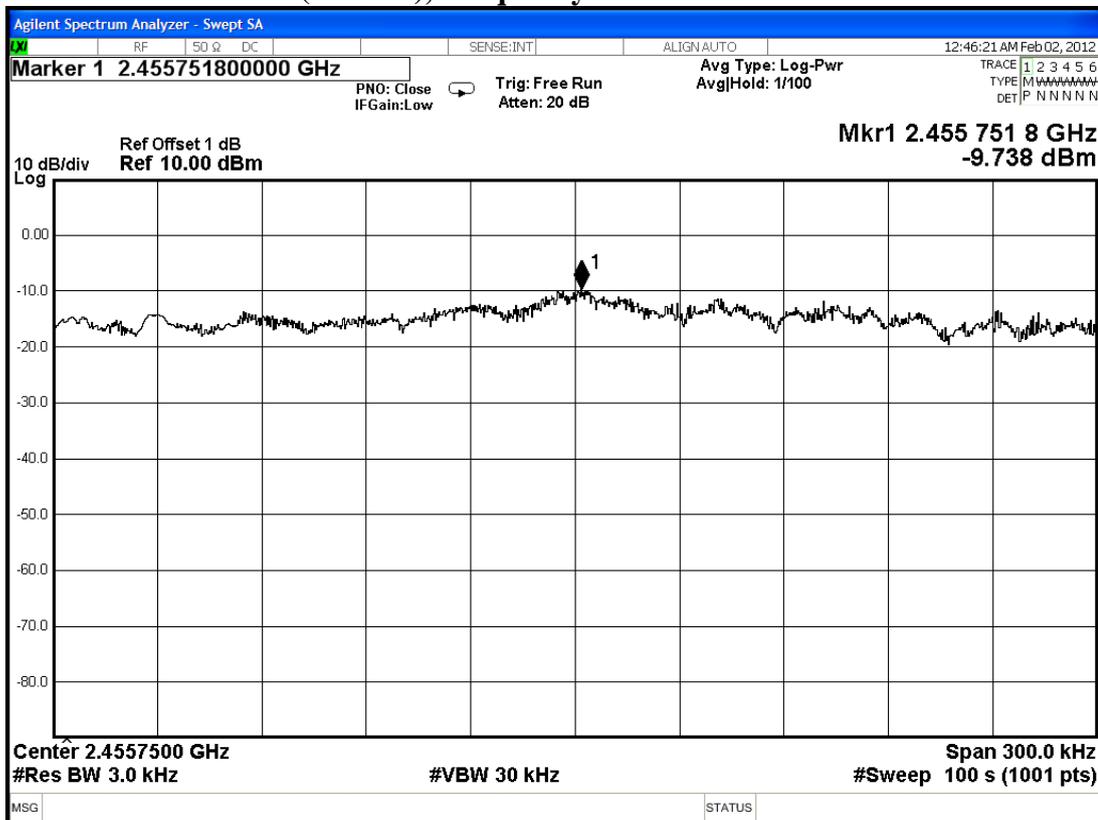
### DTS 802.11n-HT20 (2.4GHz), Frequency: 2412MHz



### DTS 802.11n-HT20 (2.4GHz), Frequency: 2437MHz



### DTS 802.11n-HT20 (2.4GHz), Frequency: 2462MHz



### DTS 802.11n-HT20 (5.8GHz), Frequency: 5745MHz

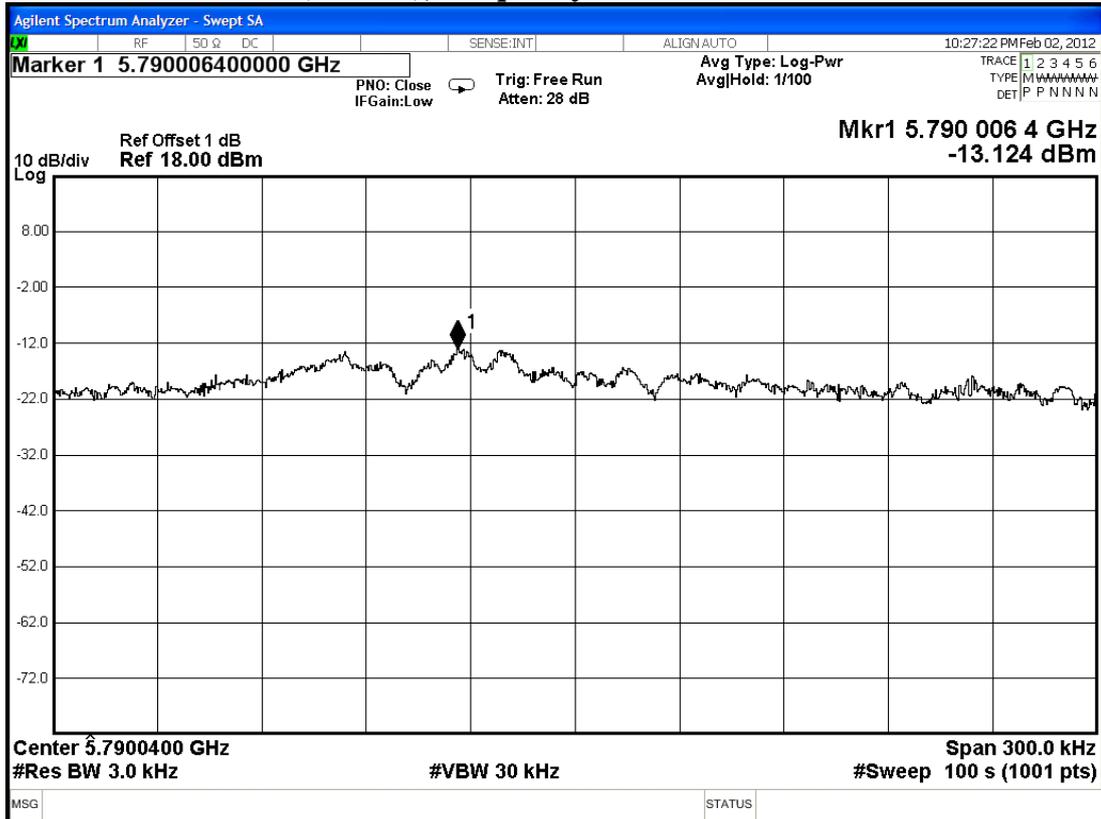


### DTS 802.11n-HT20 (5.8GHz), Frequency: 5785MHz

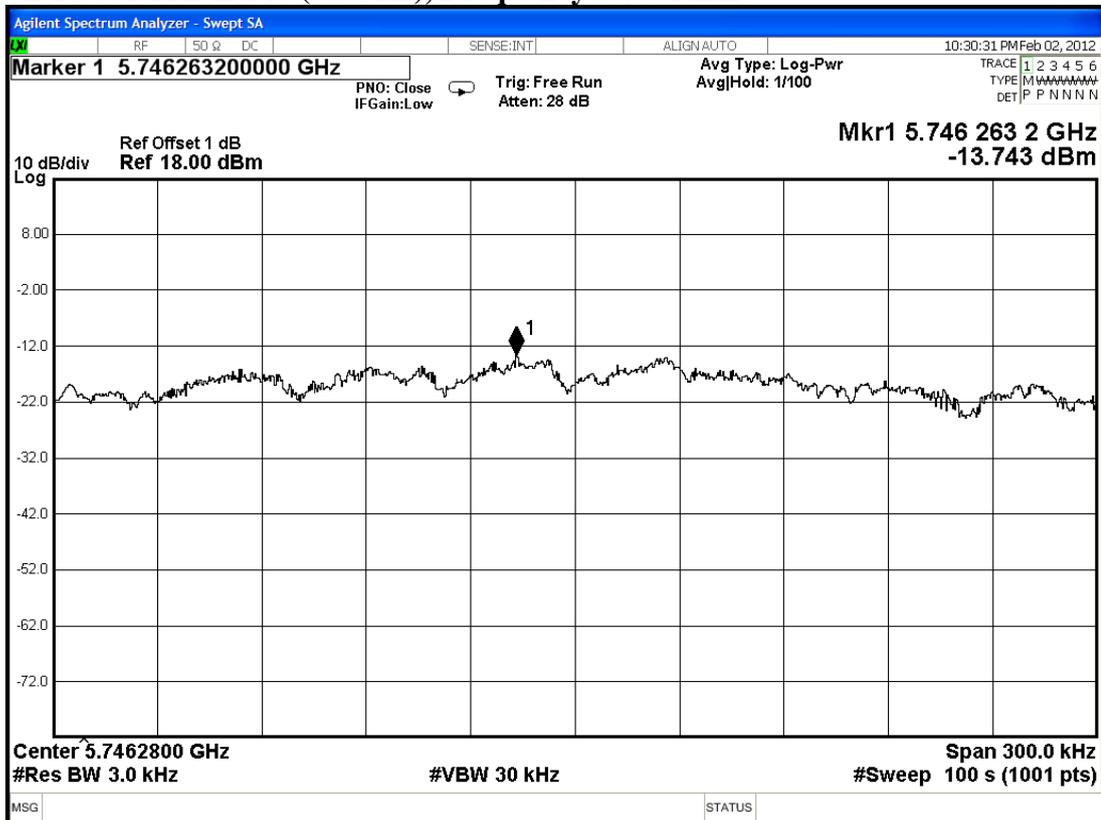




### DTS 802.11n-HT40 (5.8GHz), Frequency: 5755MHz



### DTS 802.11n-HT40 (5.8GHz), Frequency: 5795MHz



## **9. DEVIATION TO TEST SPECIFICATIONS**

**【NONE】**