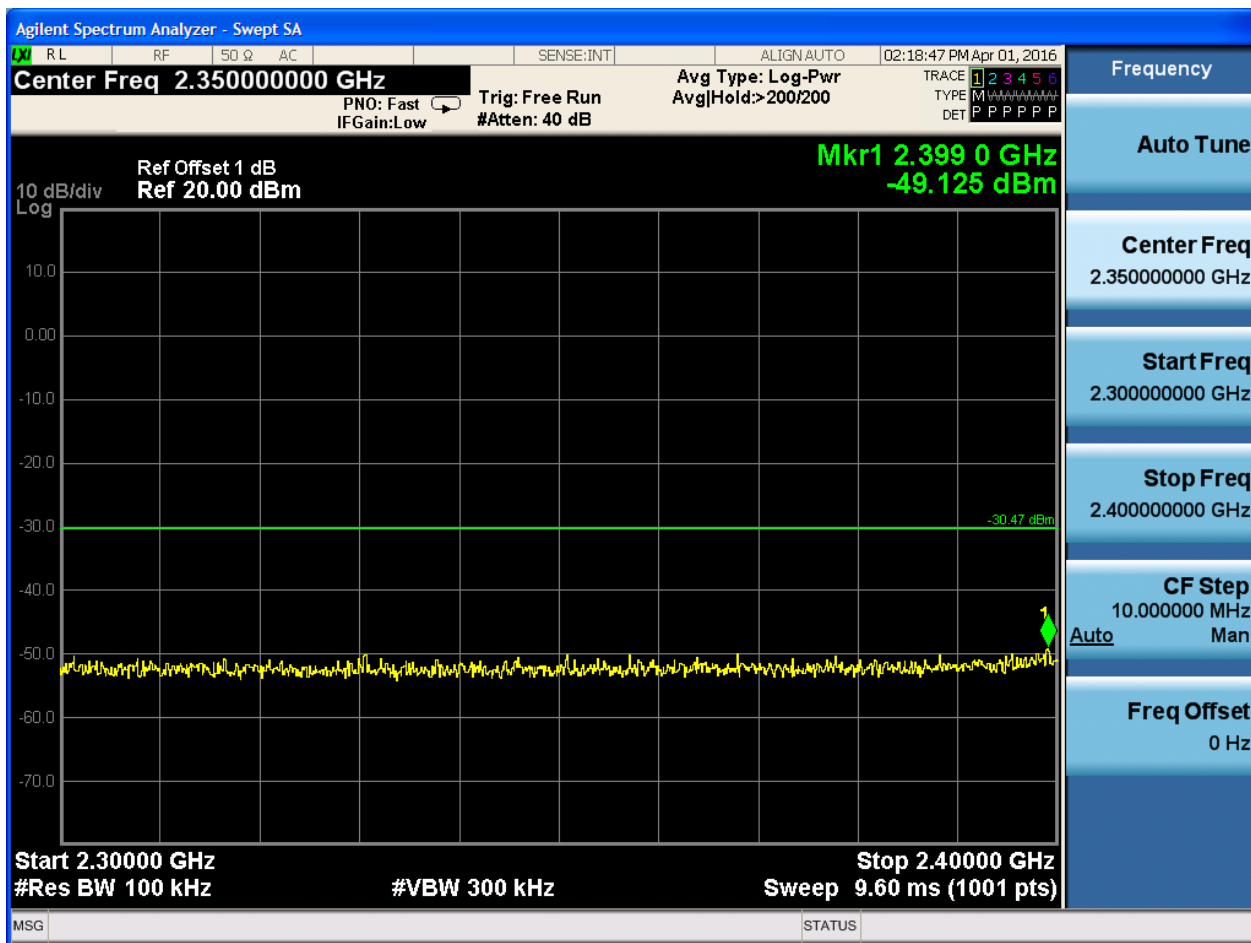
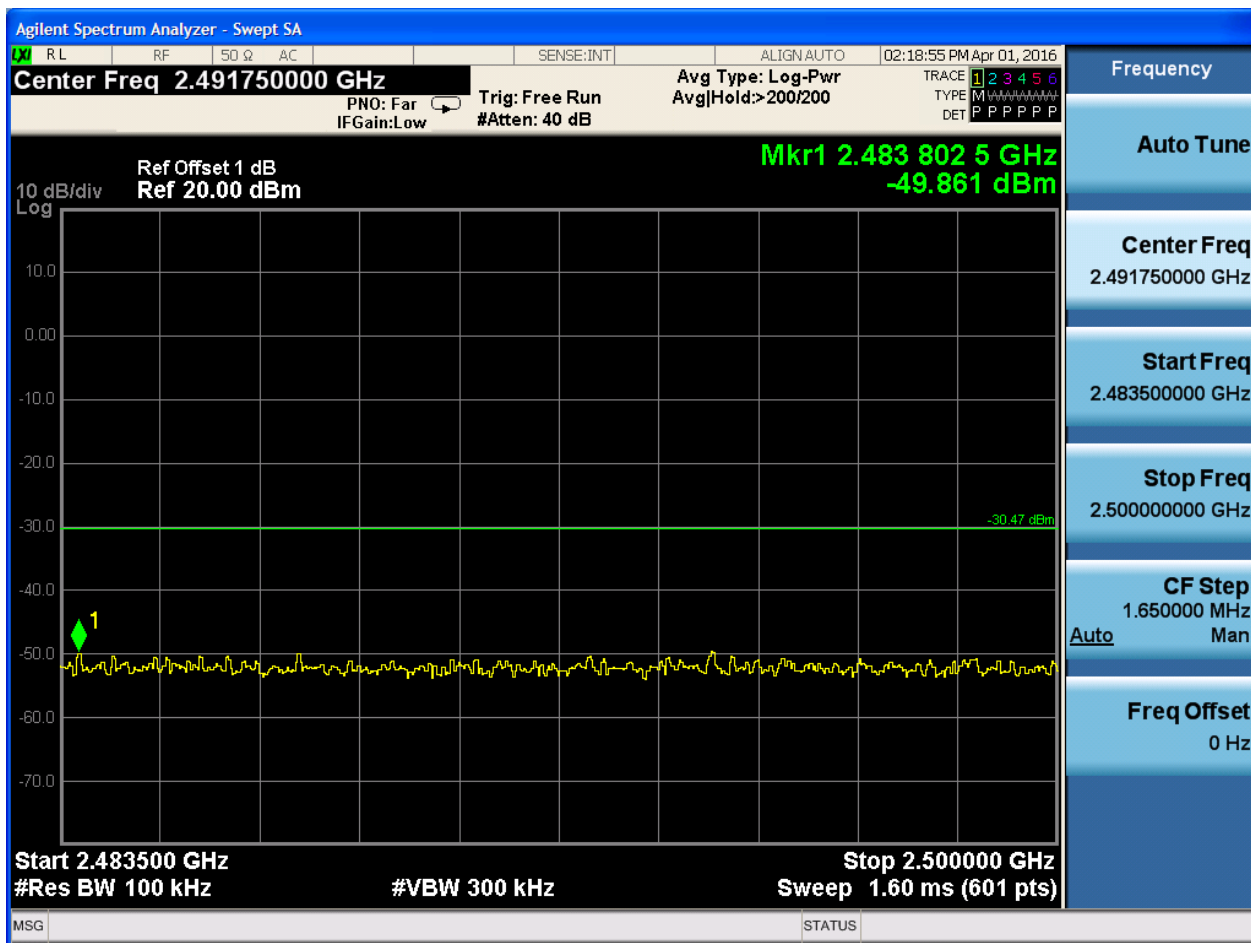


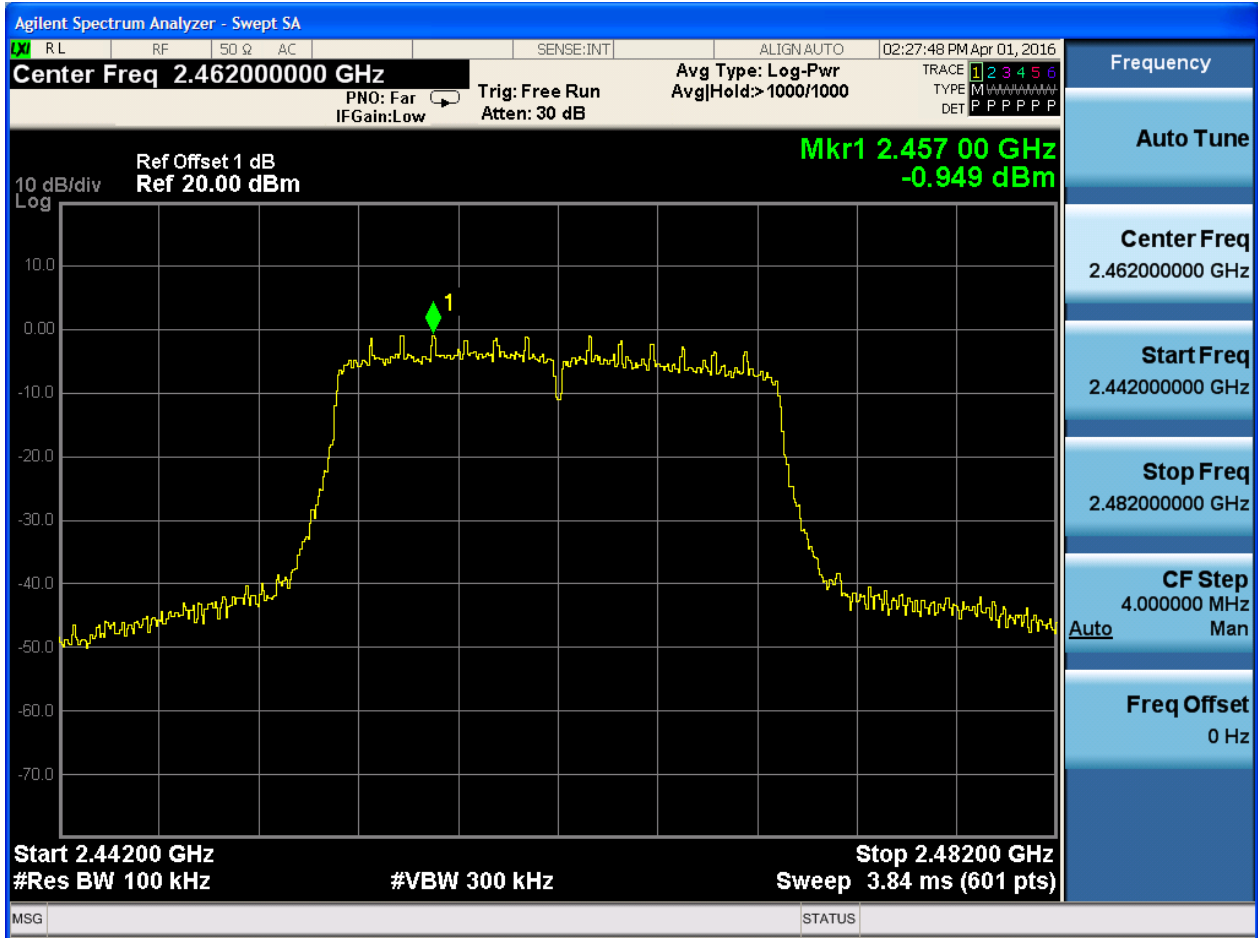






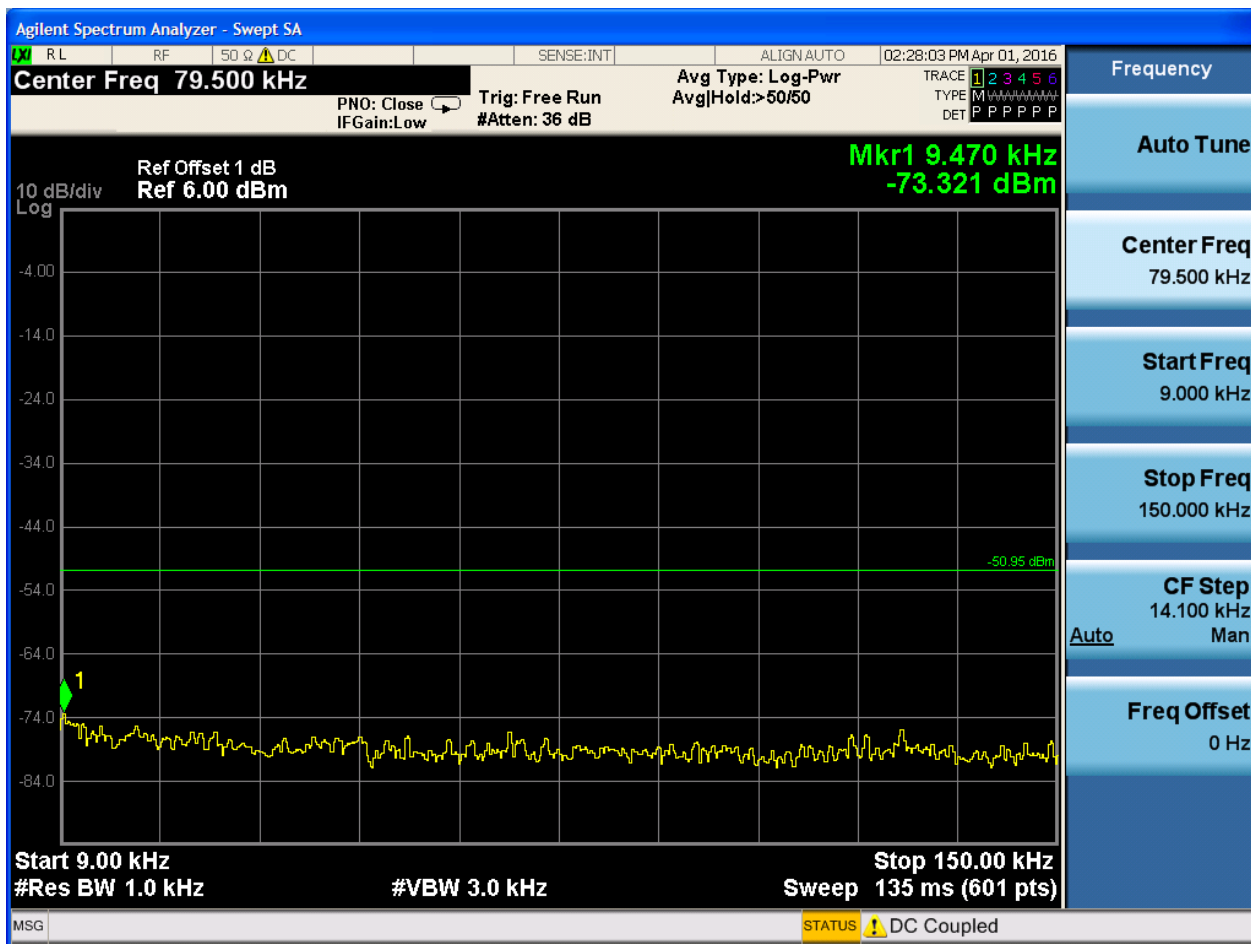
## 2.9 11N20\_H@Ant 1

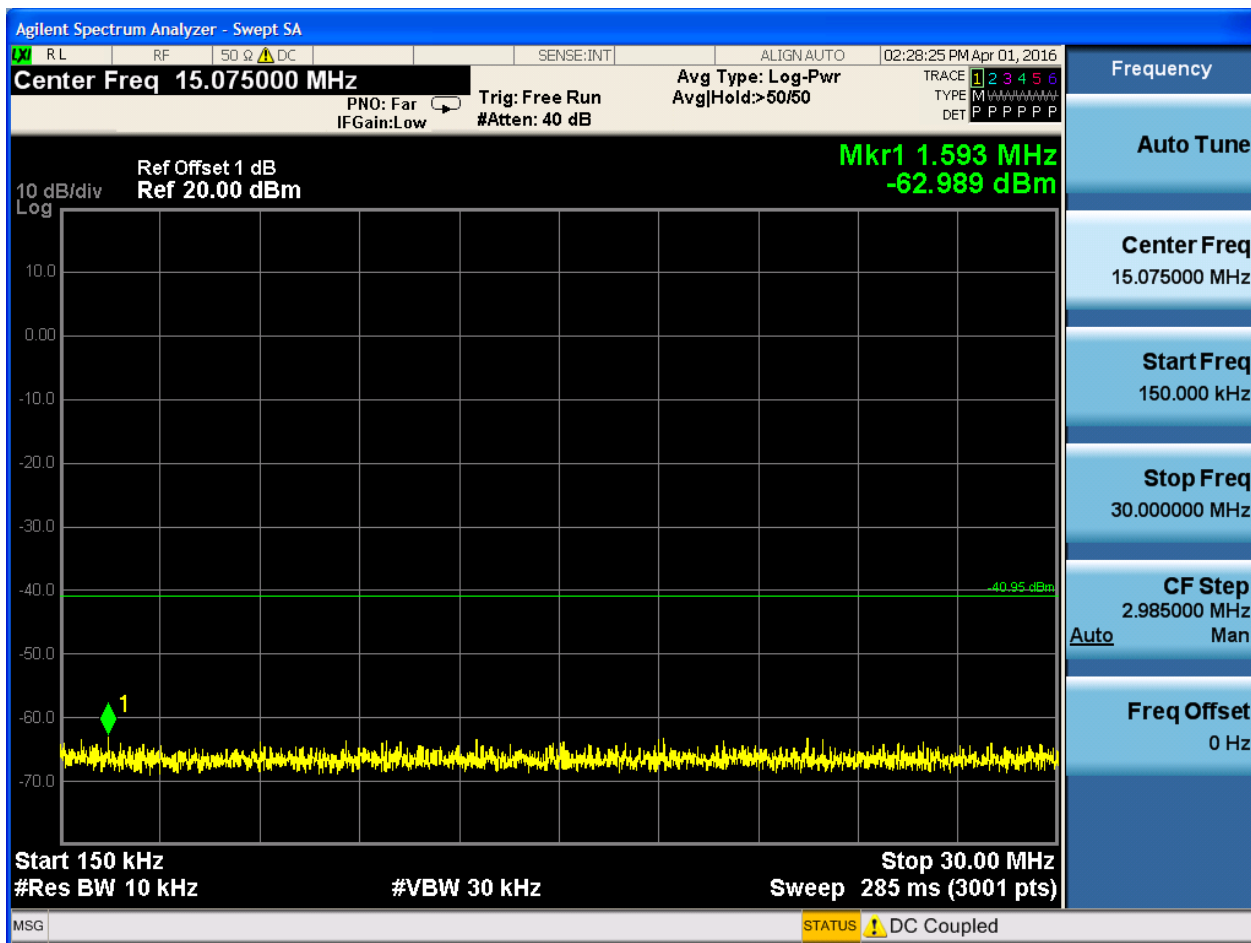
Pref:

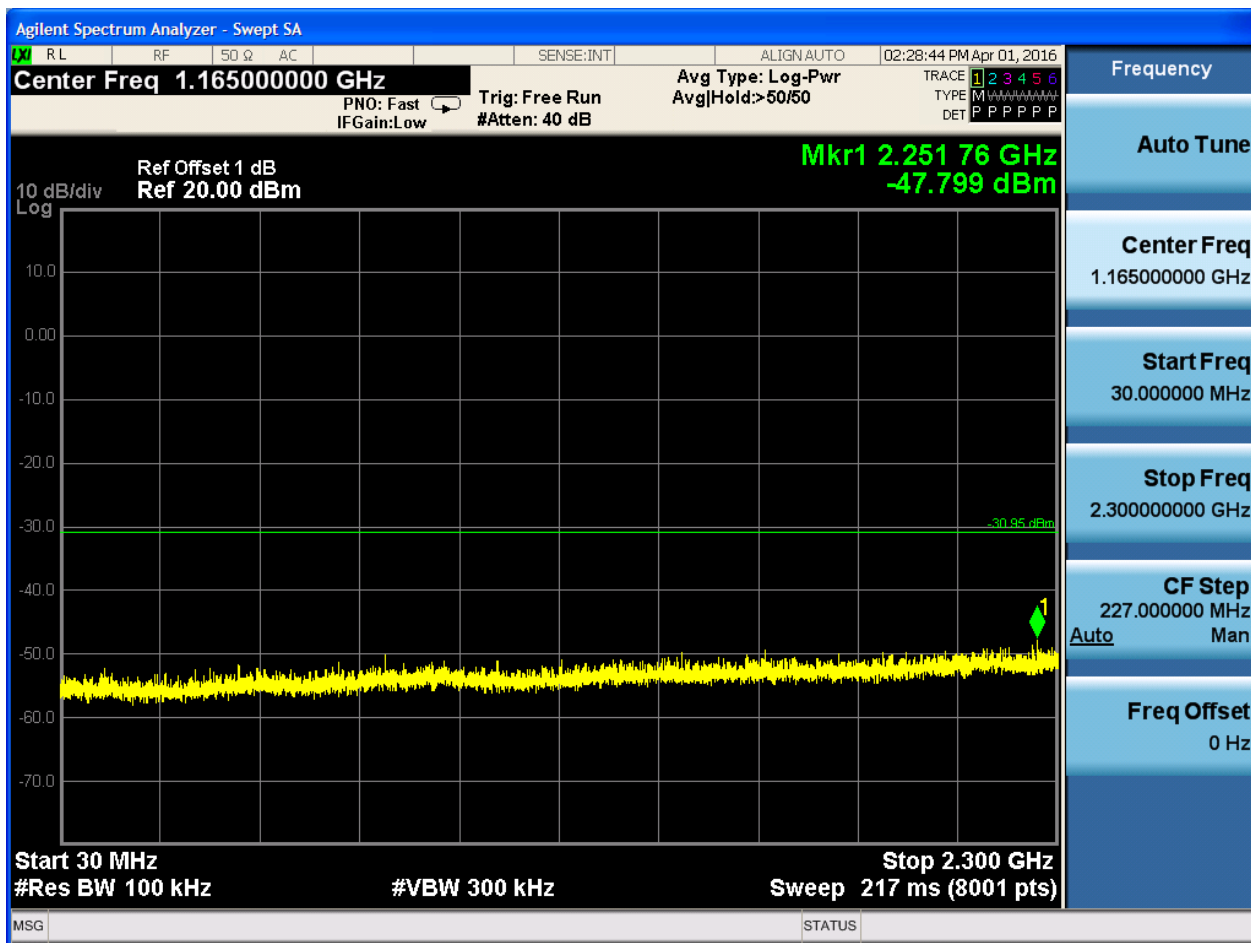


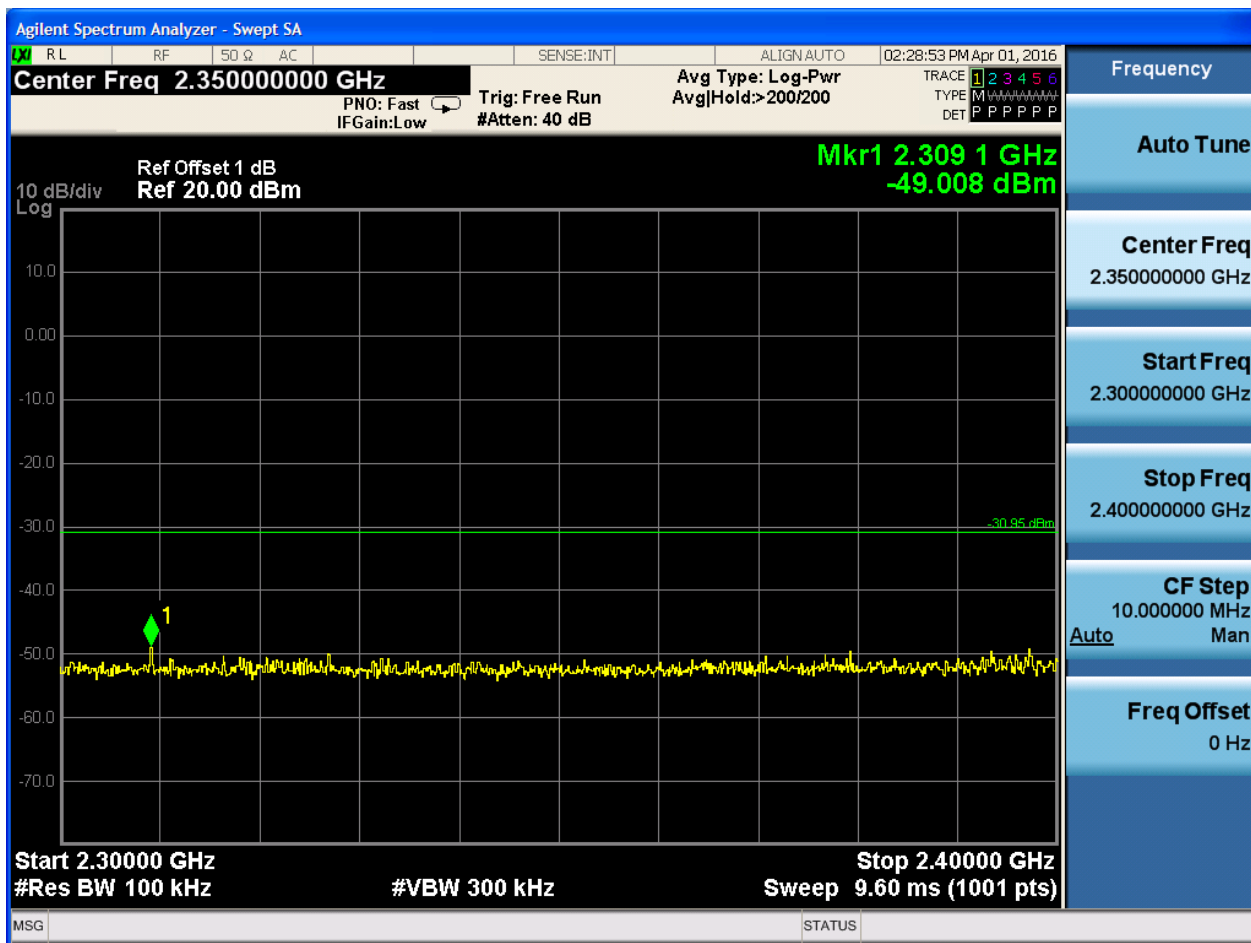


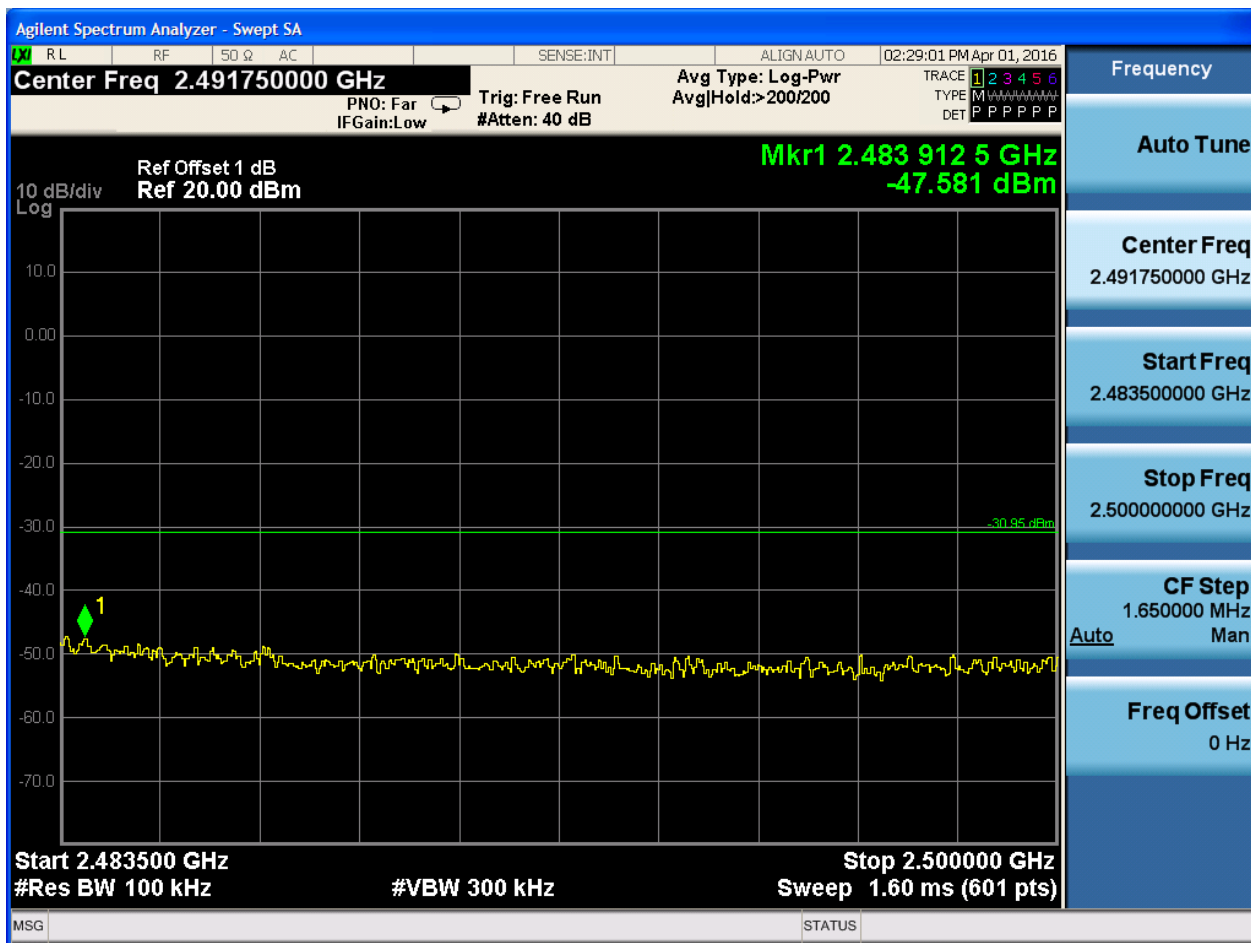
Puw:









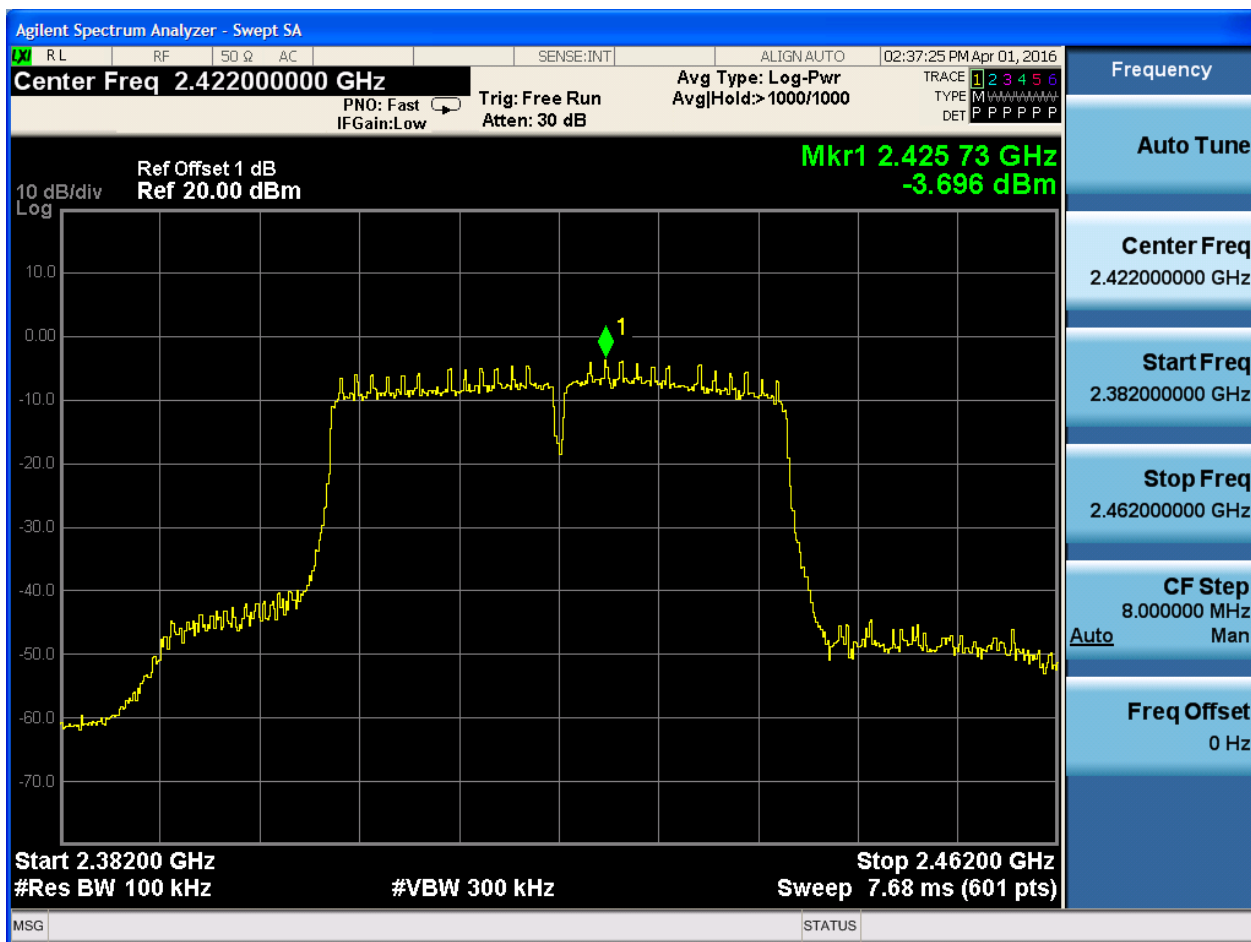






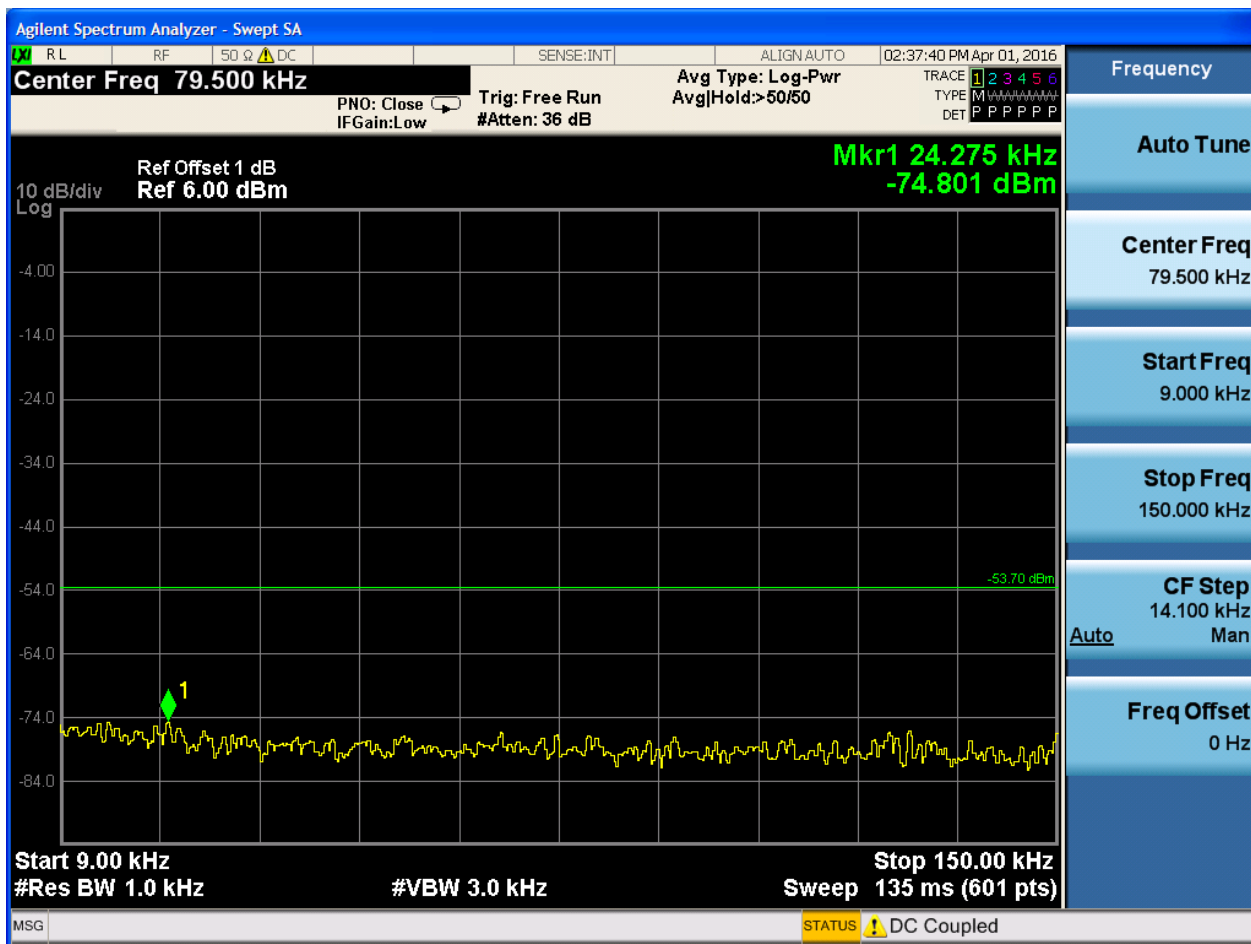
## 2.10 11N40\_L@Ant 1

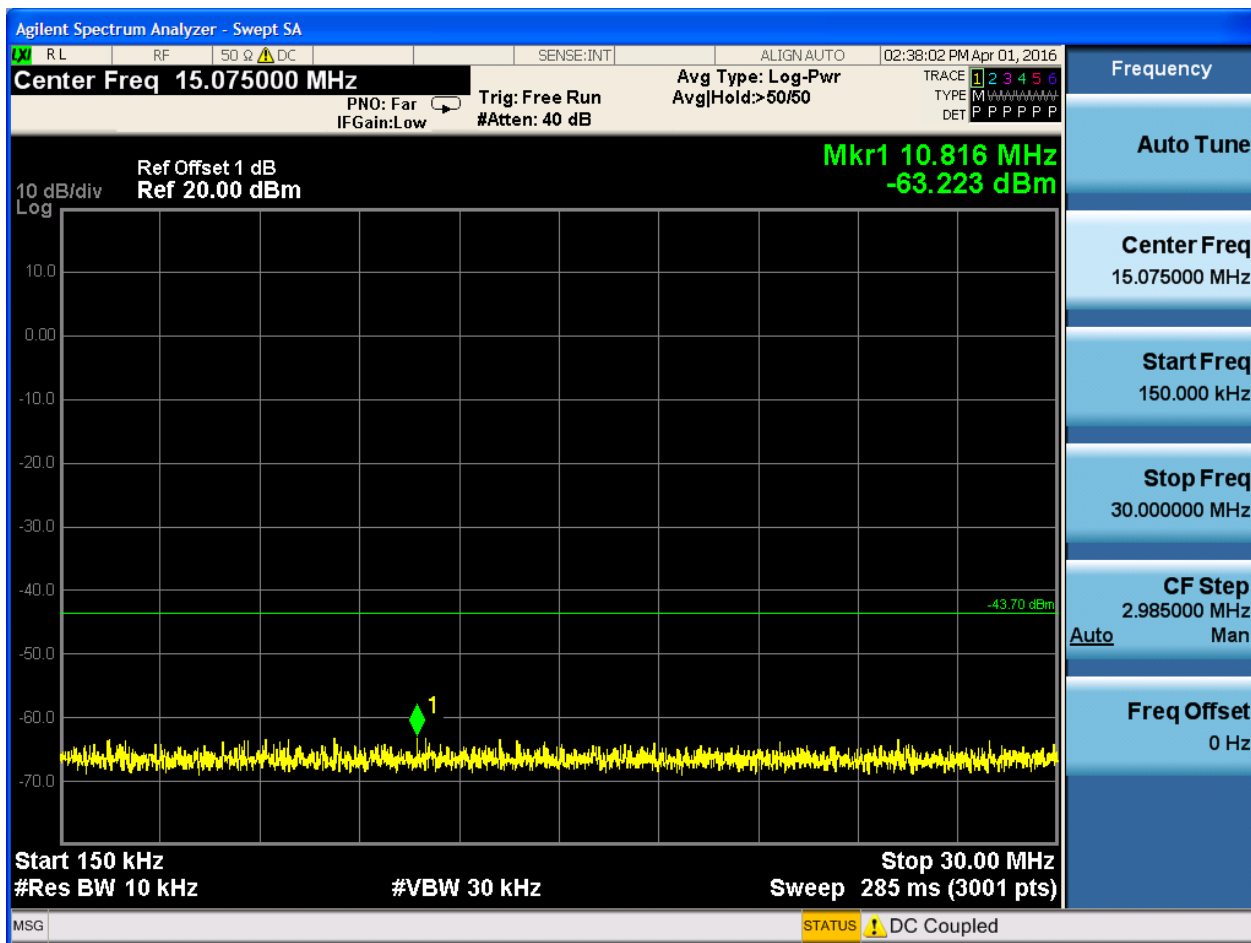
Pref:

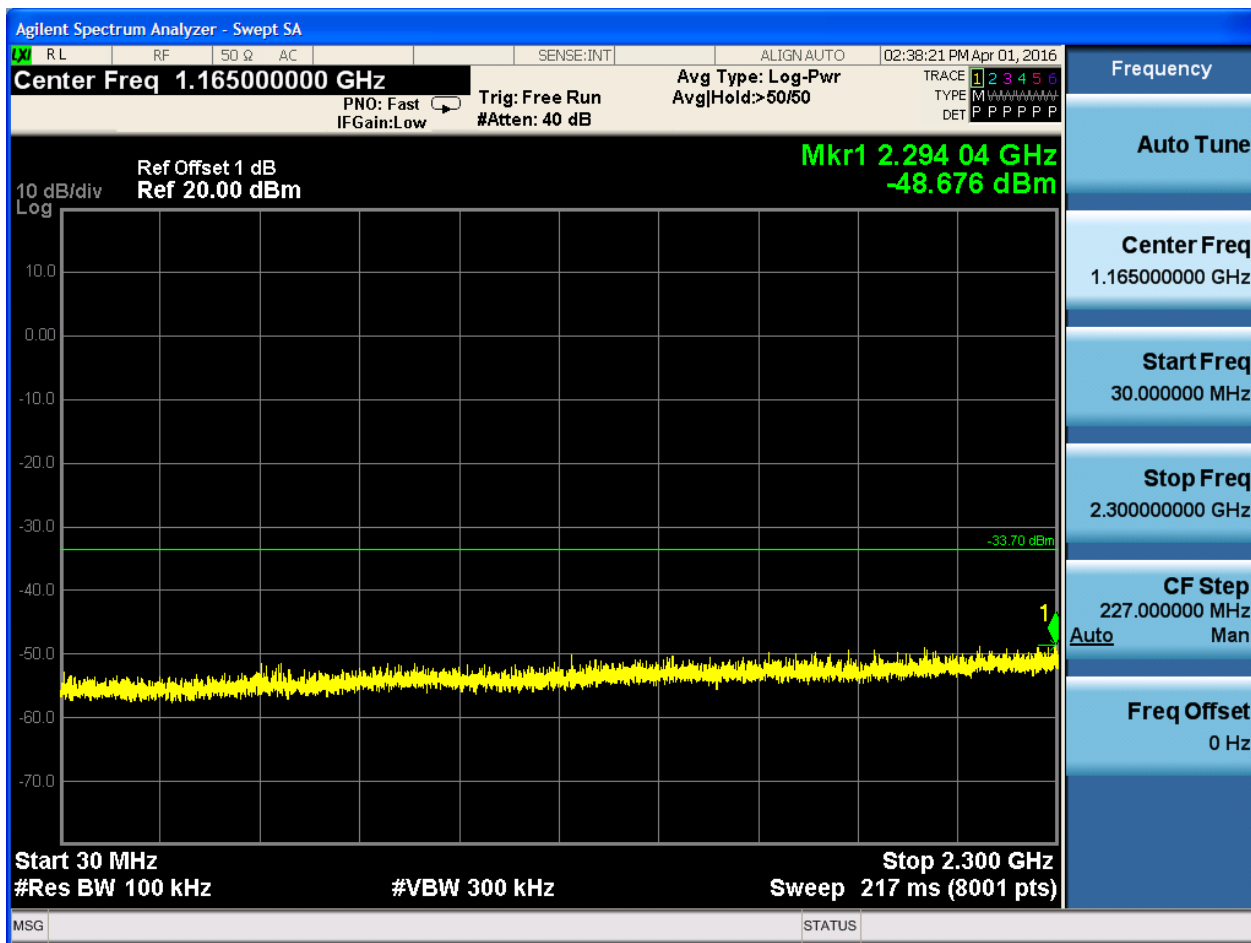


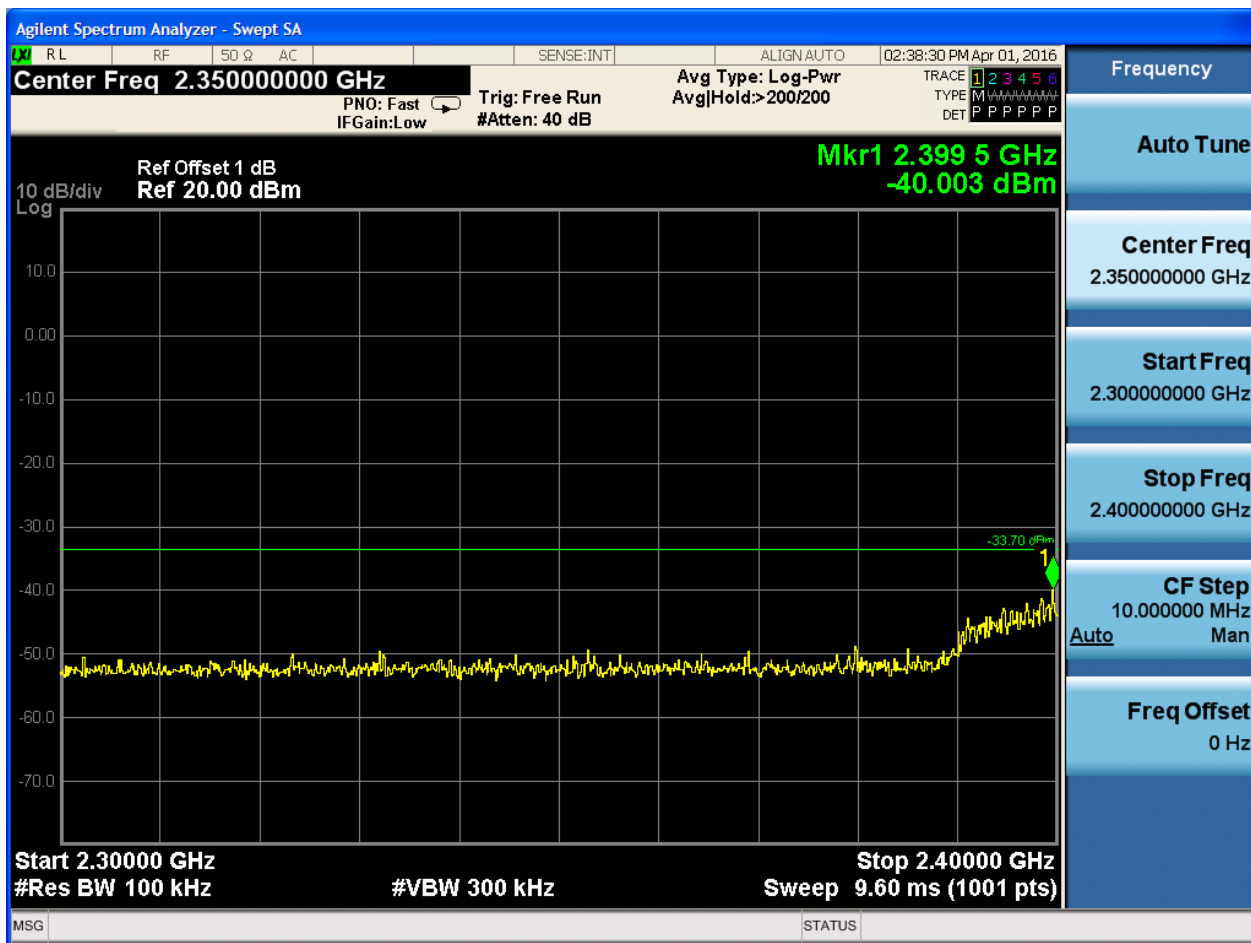


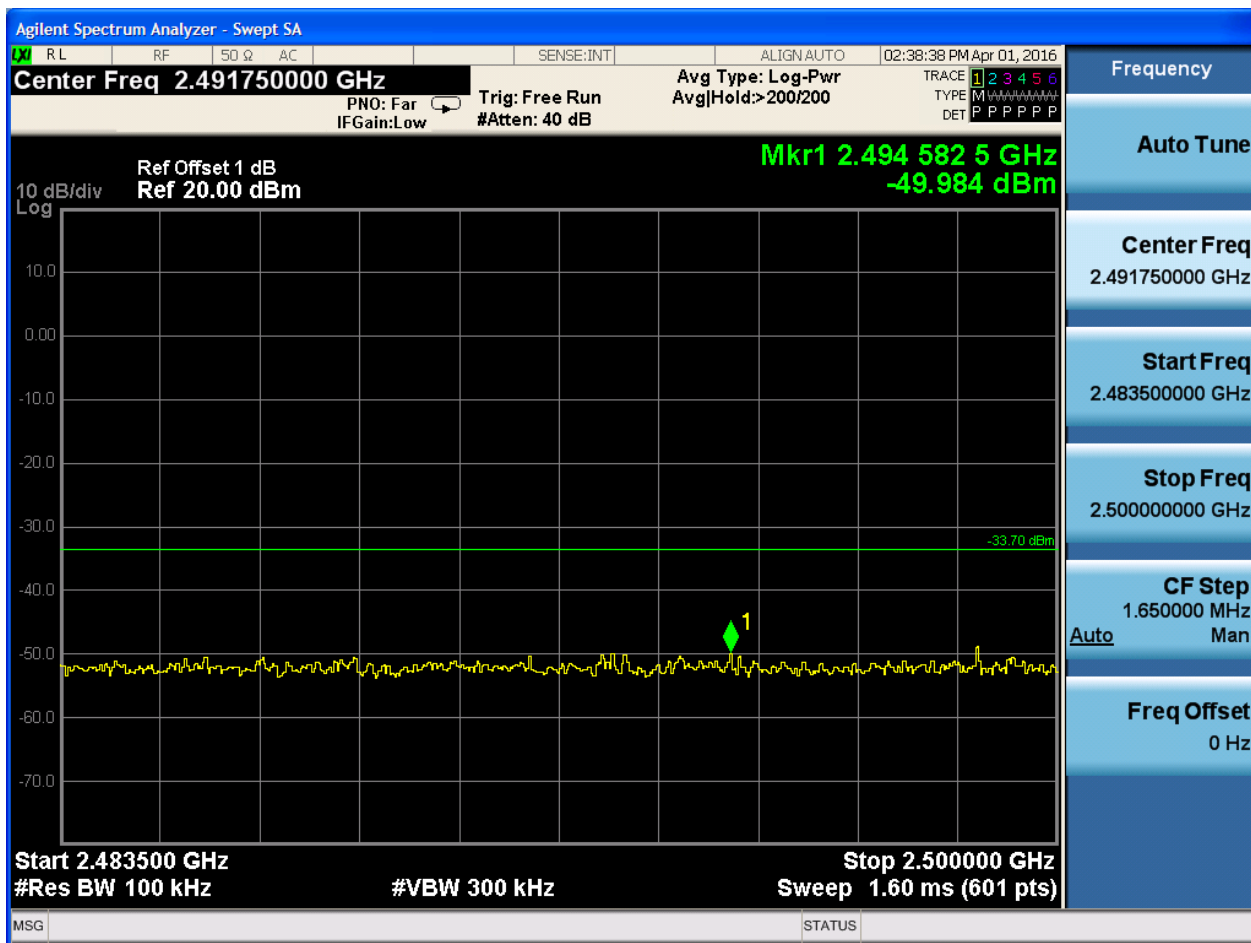
Puw:









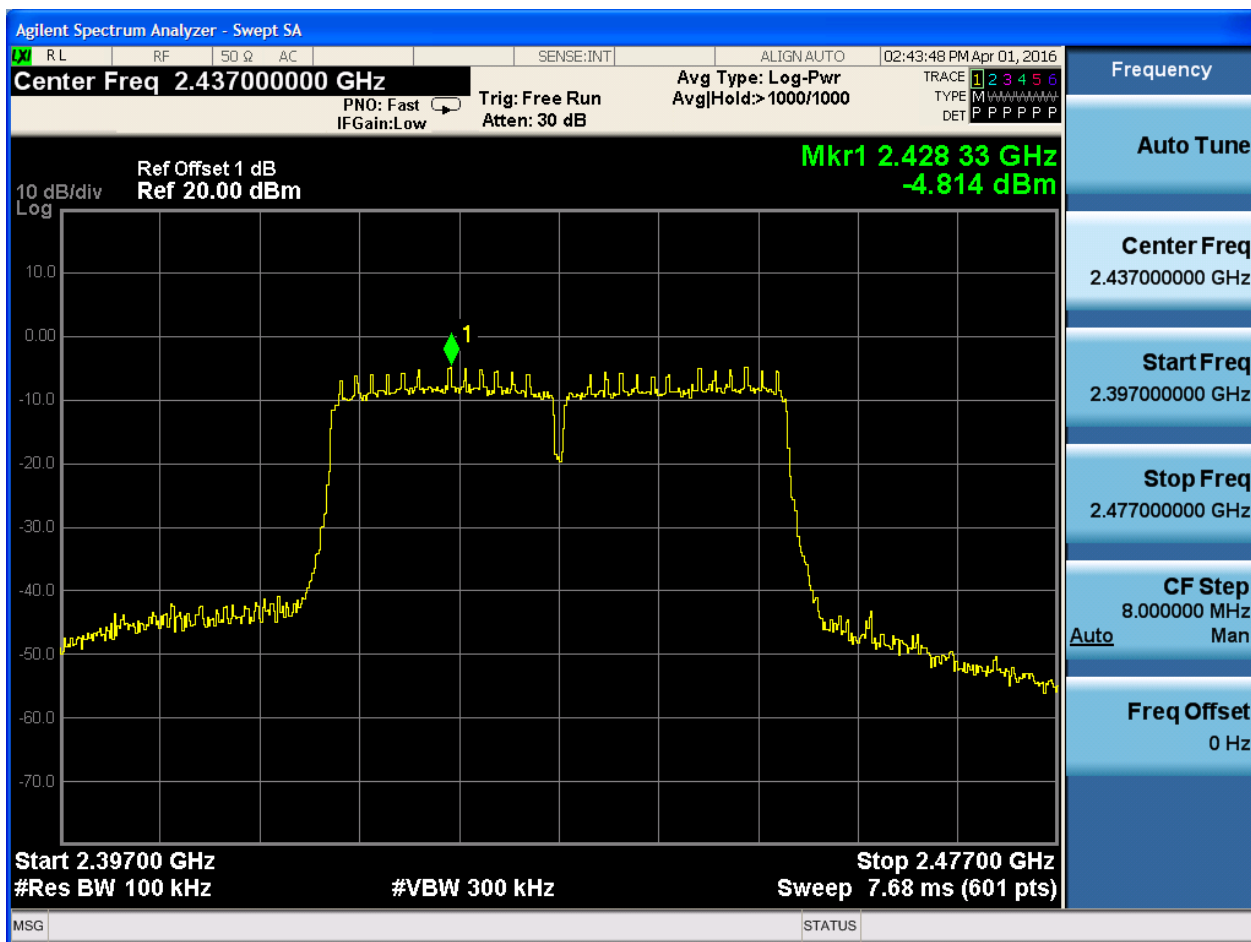






## 2.11 11N40\_M@Ant 1

Pref:





Agilent Spectrum Analyzer - Swept SA

**Center Freq 79.500 kHz**

PNO: Close Trig: Free Run  
IFGain: Low #Atten: 36 dB

Avg Type: Log-Pwr AvgHold: >50/50

TRACE 1 2 3 4 5 6  
TYPE M W W W W W W W  
DET P P P P P P

02:44:03 PM Apr 01, 2016

Frequency

Auto Tune

Center Freq  
79.500 kHz

Start Freq  
9.000 kHz

Stop Freq  
150.000 kHz

CF Step  
14.100 kHz  
Man

Freq Offset  
0 Hz

Ref Offset 1 dB  
Ref 6.00 dBm

Mkr1 9.940 kHz  
-73.994 dBm

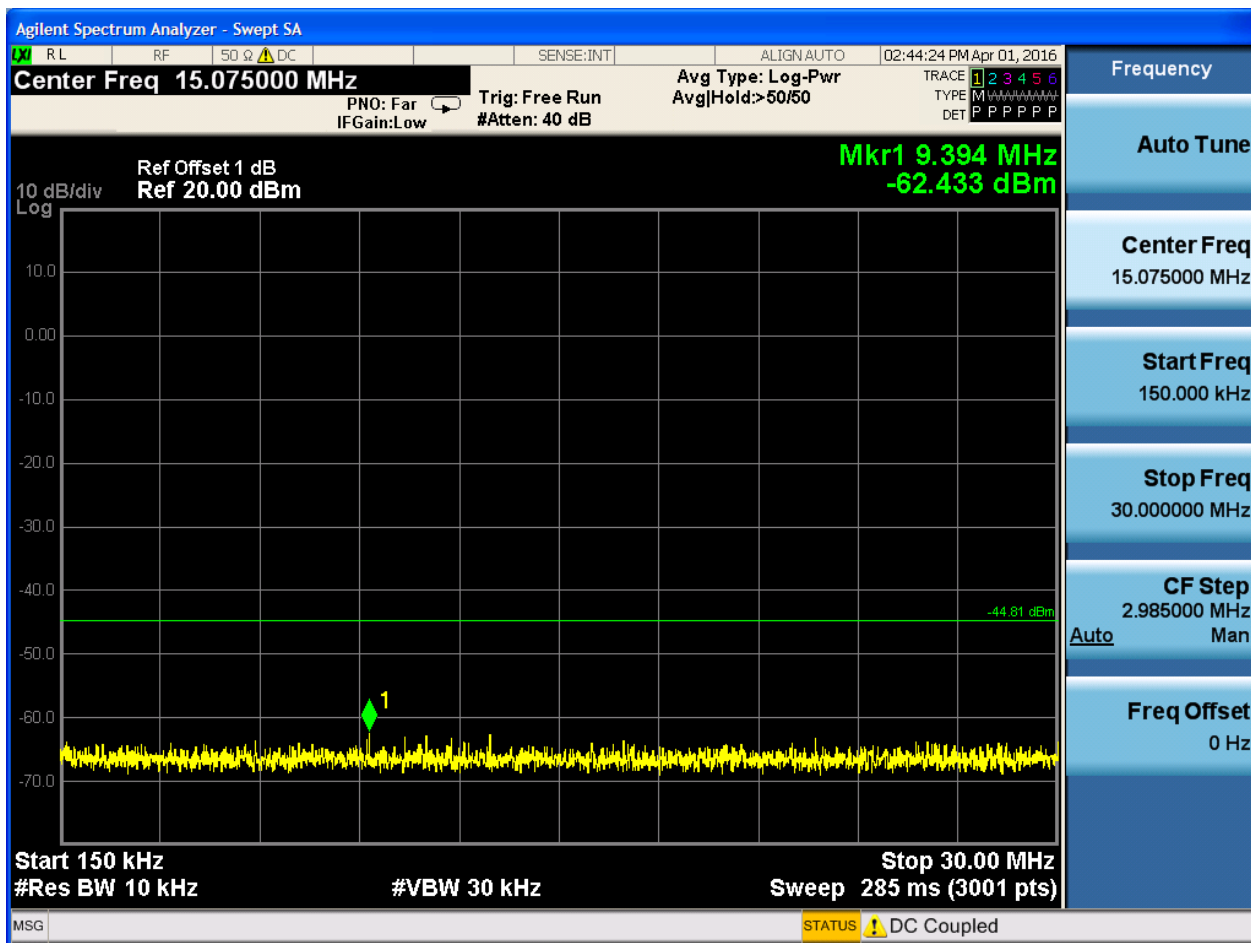
10 dB/div  
Log

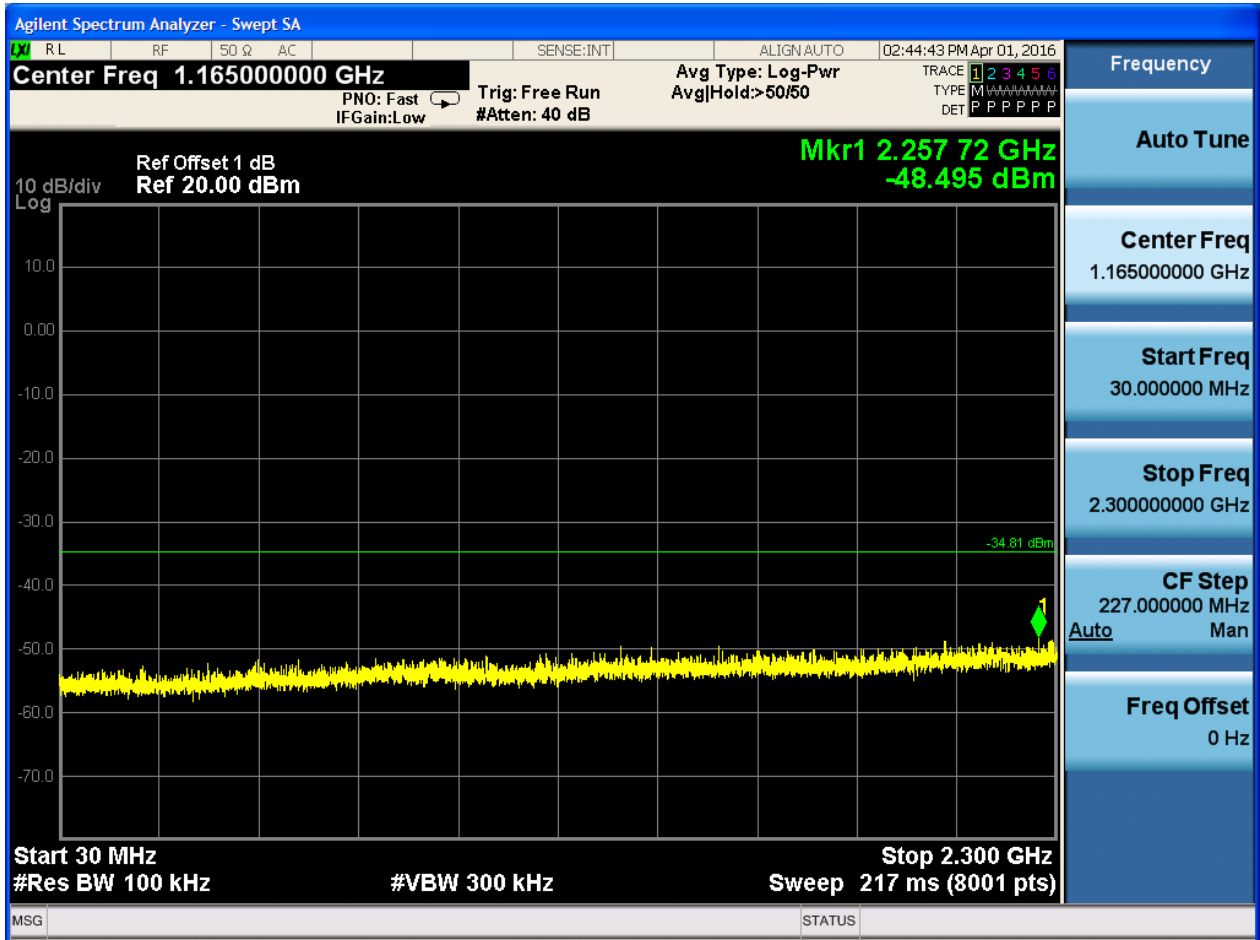
Start 9.00 kHz  
#Res BW 1.0 kHz

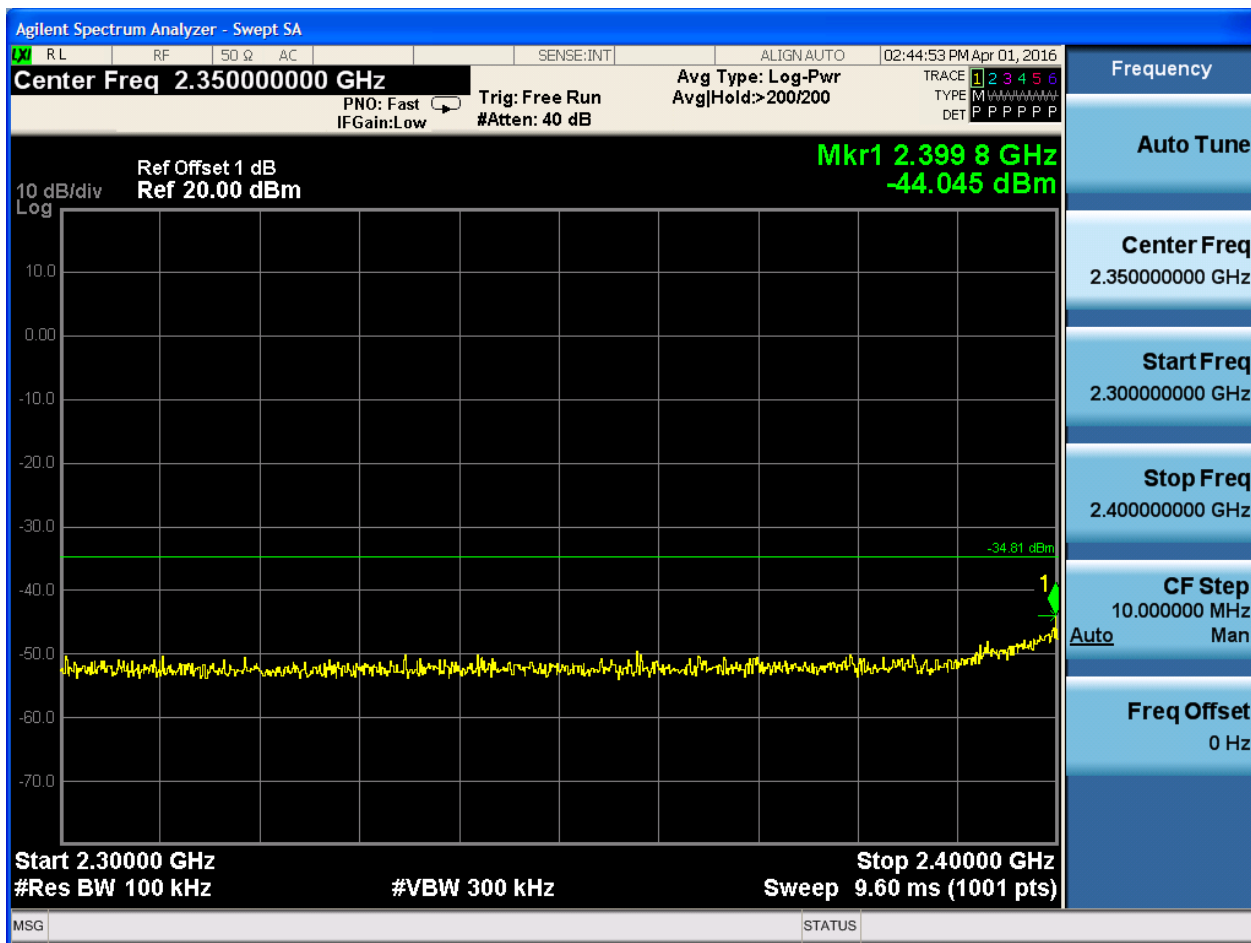
#VBW 3.0 kHz

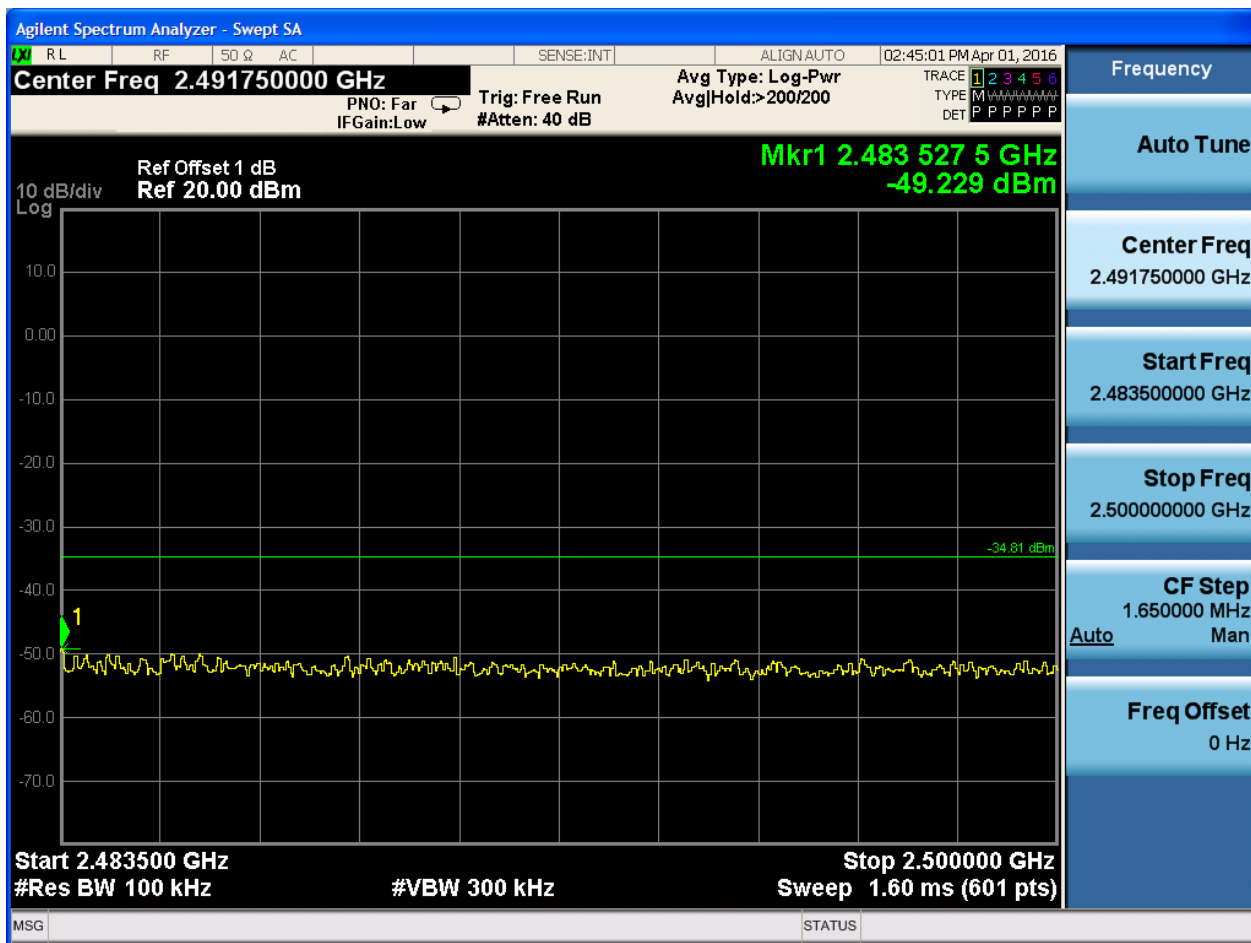
Stop 150.00 kHz  
Sweep 135 ms (601 pts)

MSG STATUS ! DC Coupled







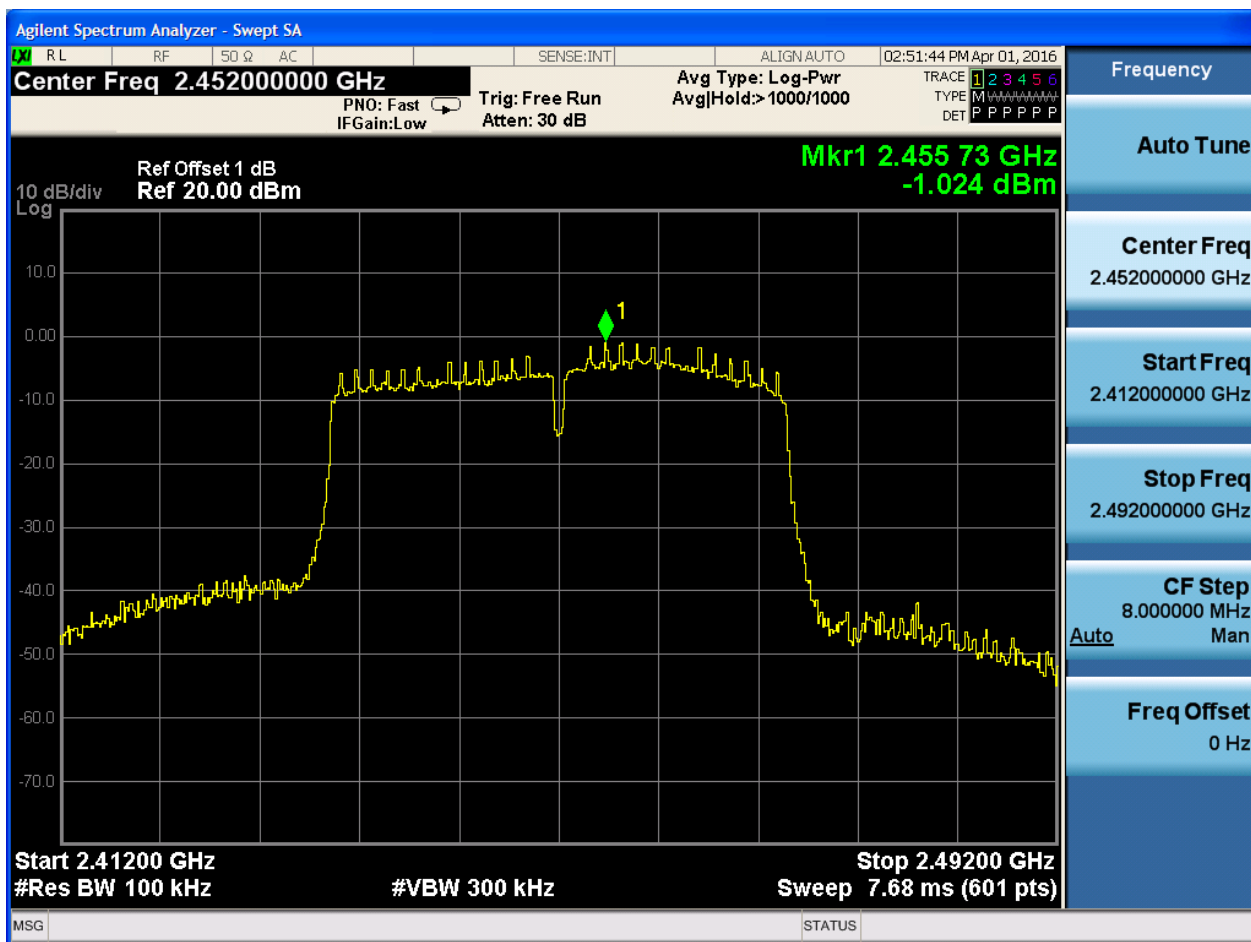






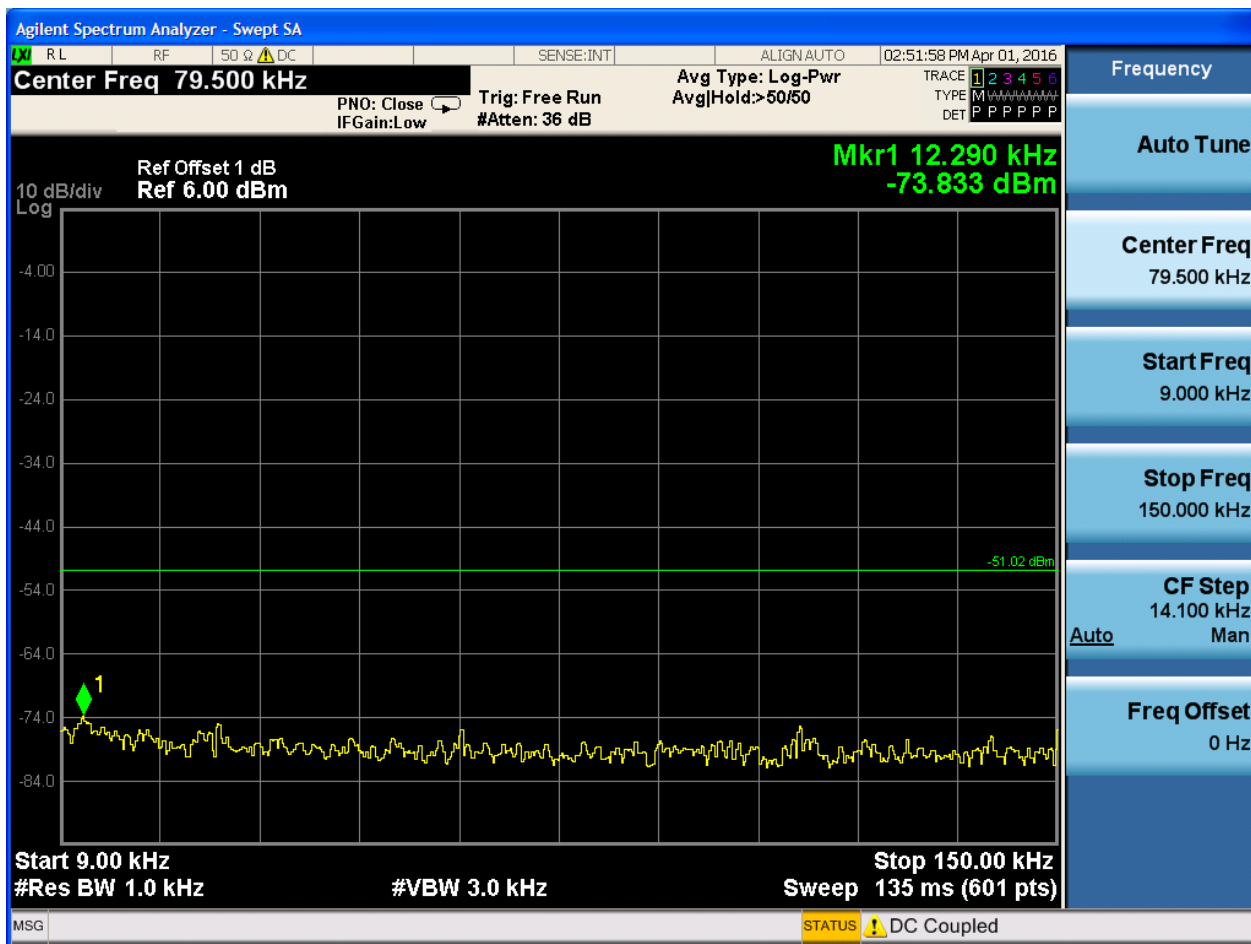
## 2.12 11N40\_H@Ant 1

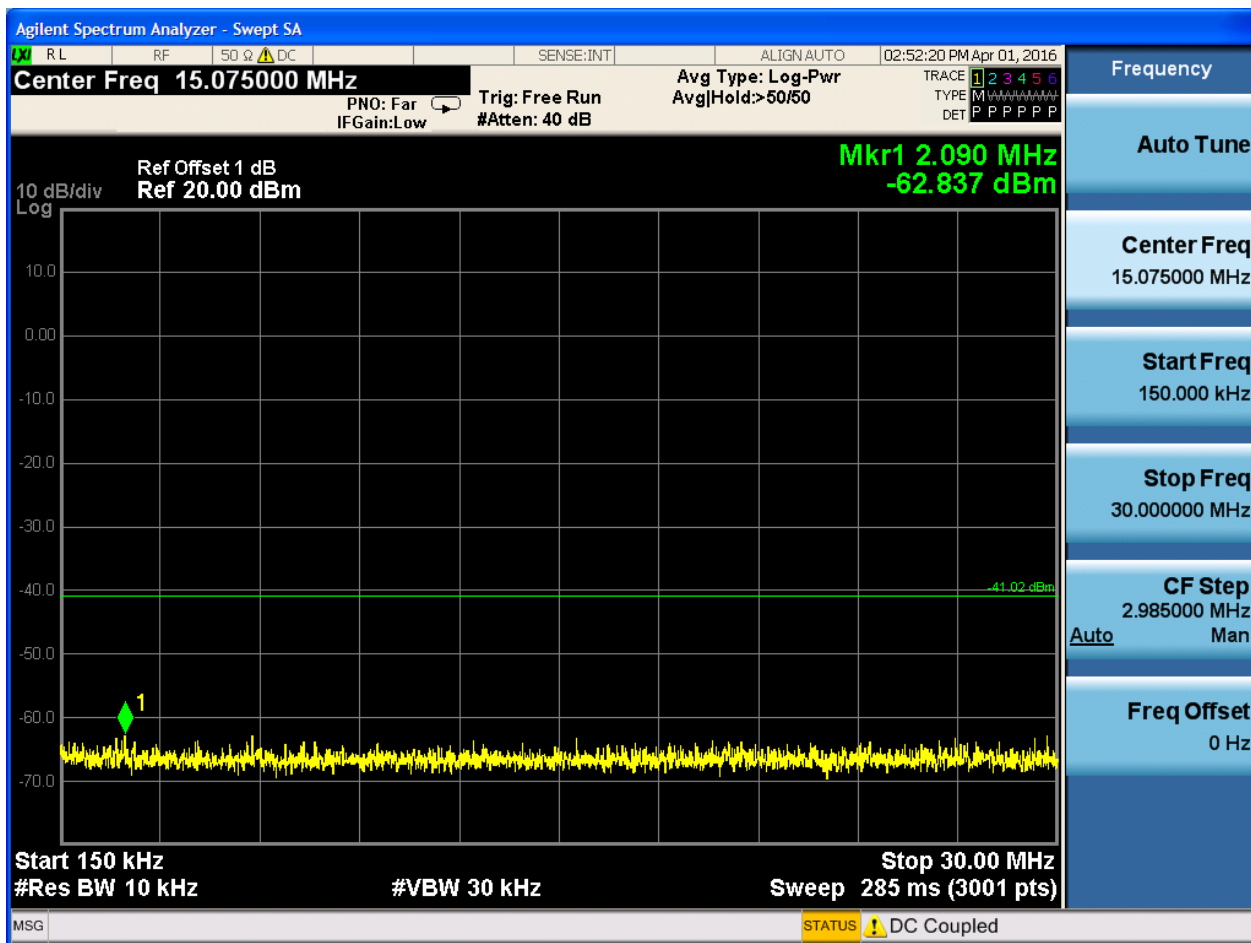
Pref:

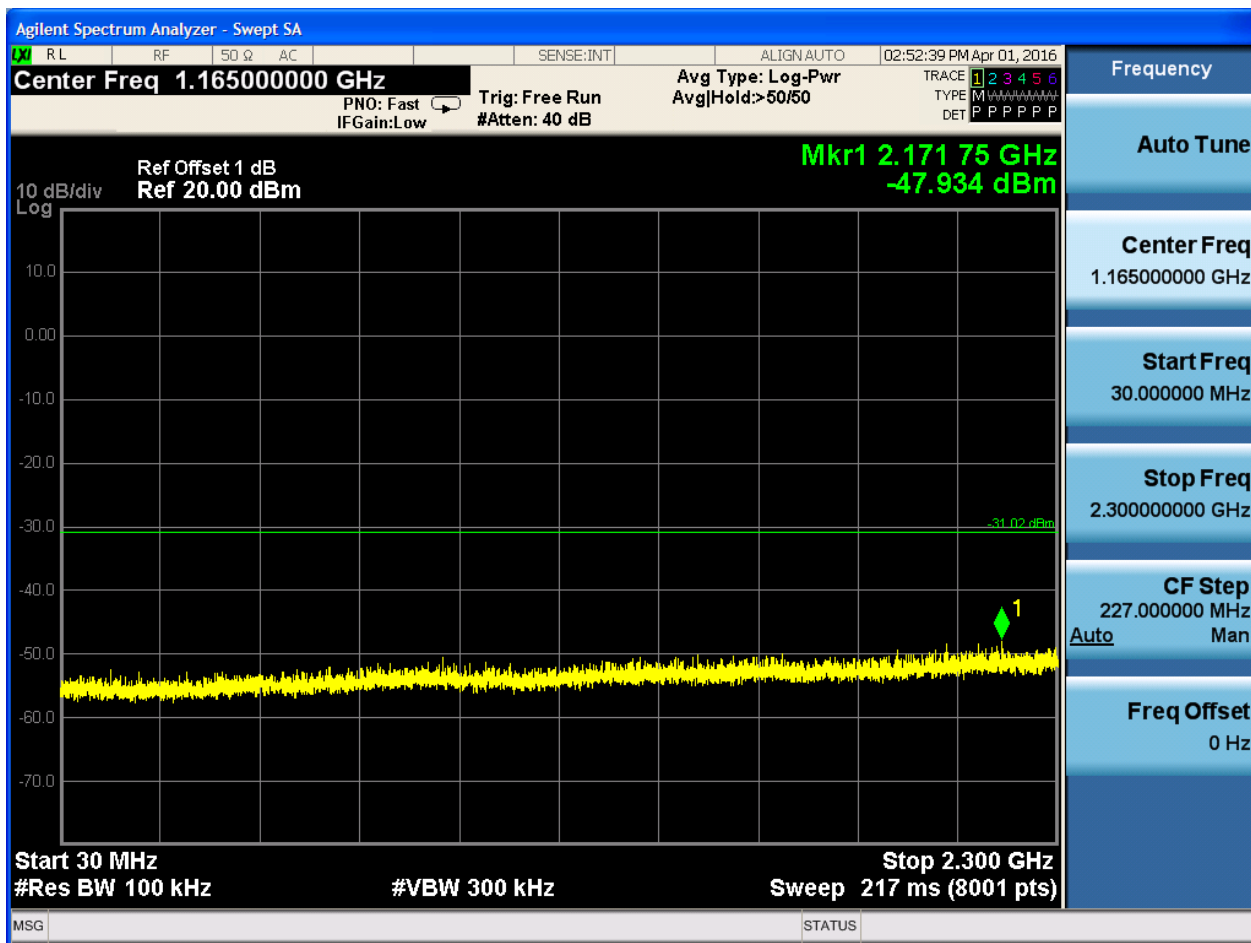


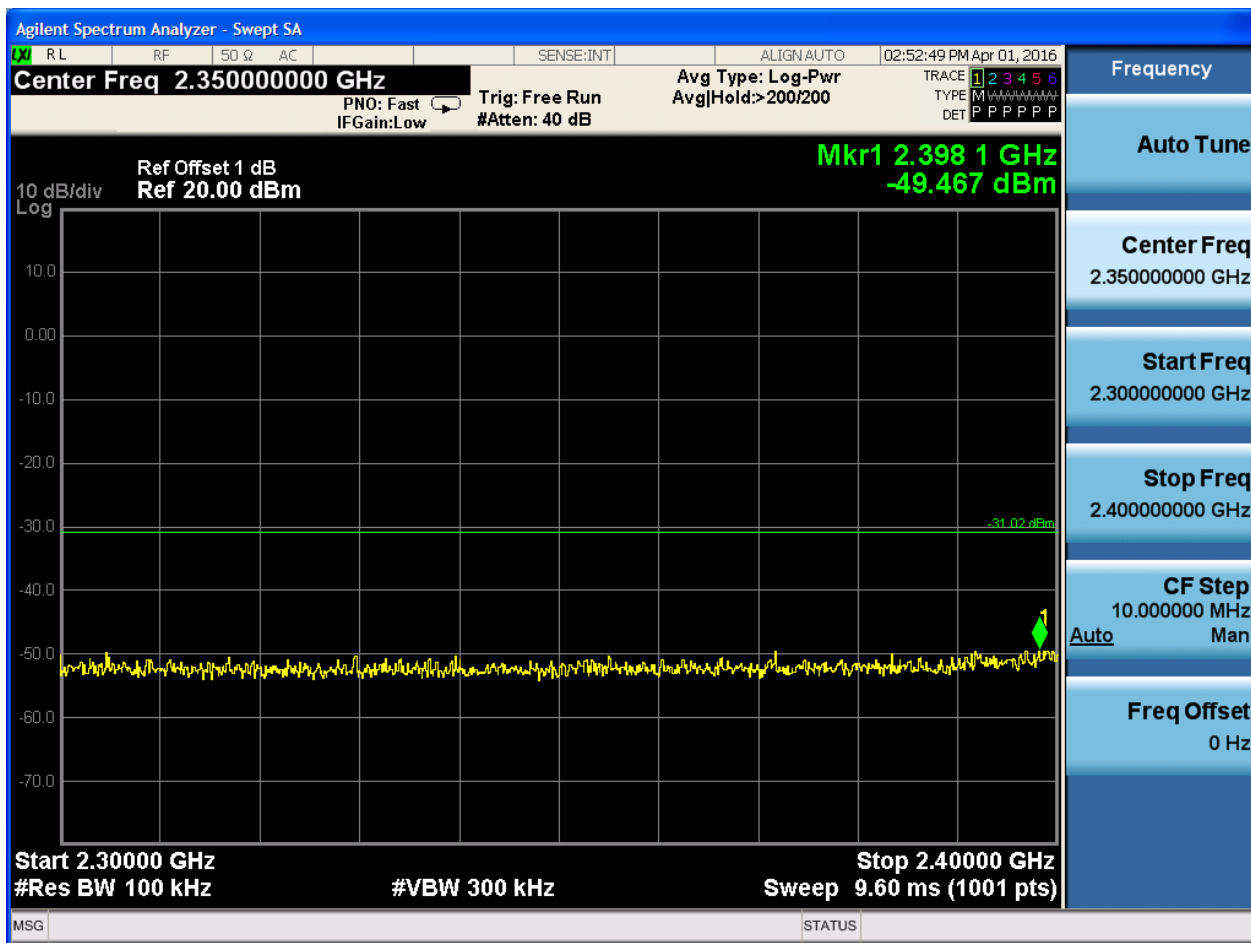


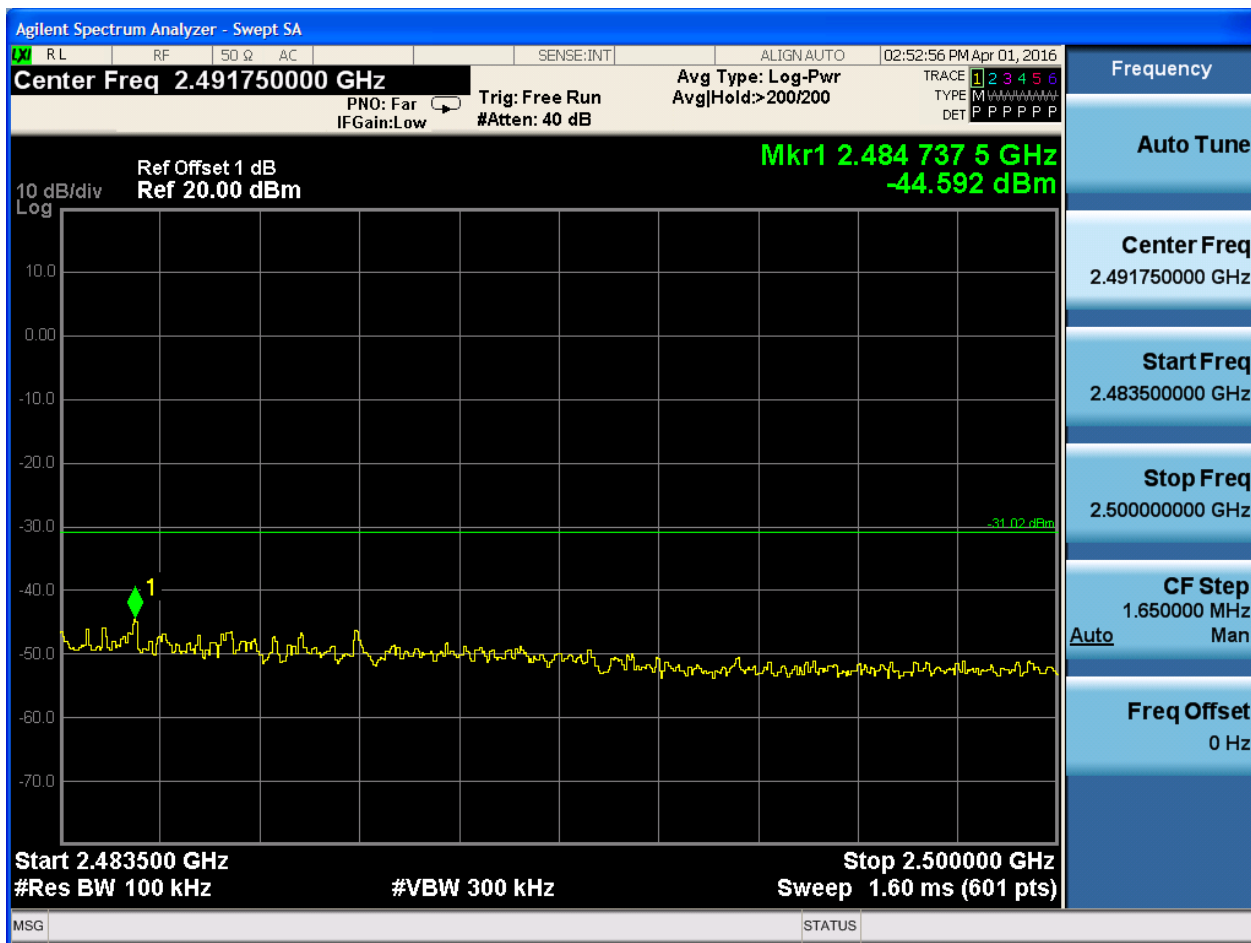
Puw:















## **Appendix H: Radiated Spurious Emission & Spurious in Restricted Band**

Note: We tested all modes, but the data presented below is the worst case. Below 1GHz, RBW = 100 kHz, VBW = 300 kHz.

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.

The simultaneous transmission has been considered

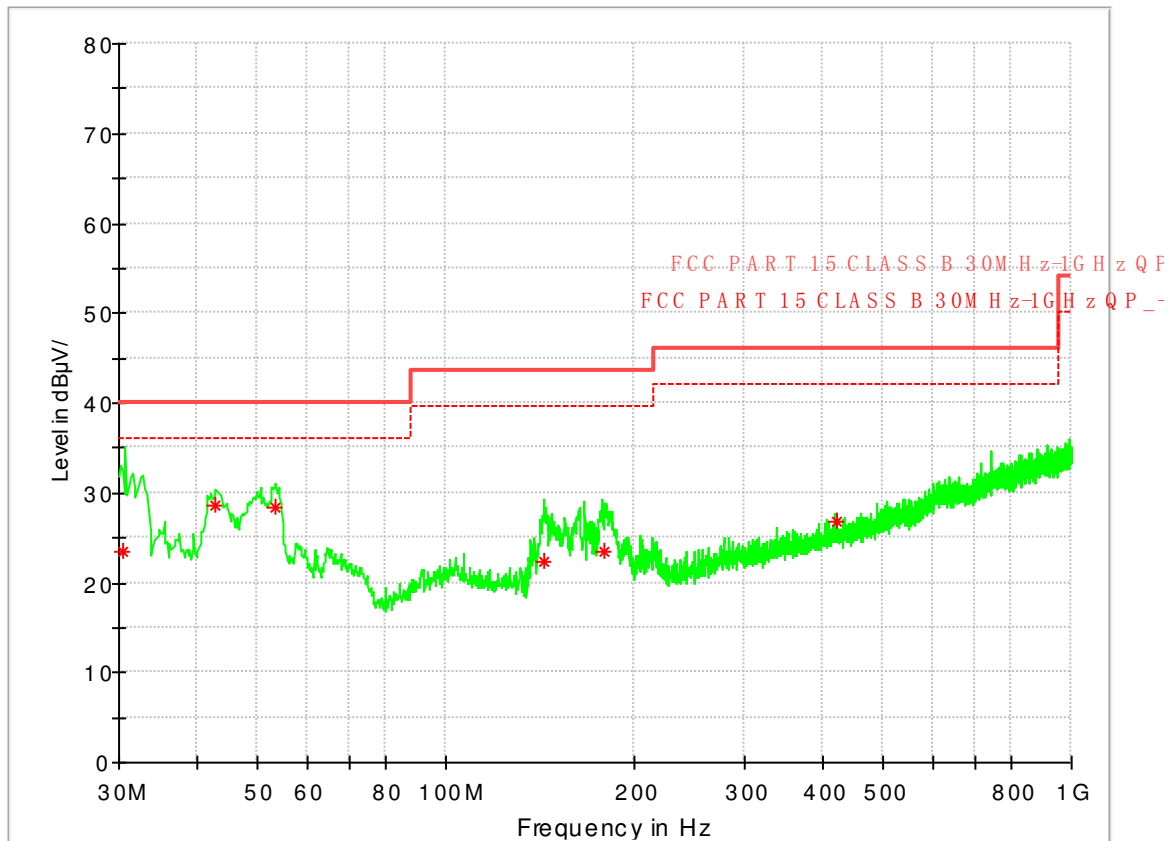
## 7.1Part 1: Testing Range of “9 kHz to 30MHz”

NOTE1: No peak found in the Test Range of “9 kHz to 30MHz”

## 7.2Part 2: Testing Range of “30 MHz to 1 GHz”

Note 1: The test results and plot for testing range of “30 MHz to 1 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



## Final Result 1

| Frequency<br>(MHz) | QuasiPeak | Limit<br>(dBμV/m) | Margin<br>(dB) | Height<br>(cm) | Pol | Azimuth | Corr.<br>(dB) |
|--------------------|-----------|-------------------|----------------|----------------|-----|---------|---------------|
| 30.535280          | 23.42     | 40.00             | -16.58         | 123.0          | H   | 3.0     | 14.8          |
| 42.600480          | 28.63     | 40.00             | -11.37         | 100.0          | V   | 314.0   | 15.2          |
| 53.239600          | 28.45     | 40.00             | -11.55         | 100.0          | V   | 312.0   | 14.6          |
| 143.870080         | 22.35     | 43.50             | -21.15         | 106.0          | V   | 240.0   | 10.1          |
| 178.806160         | 23.37     | 43.50             | -20.13         | 100.0          | V   | 256.0   | 11.2          |
| 420.295920         | 26.82     | 46.00             | -19.18         | 198.0          | V   | 7.0     | 18.3          |

**7.3Part 3: Testing Range of “18 GHz to 26.5 GHz”**

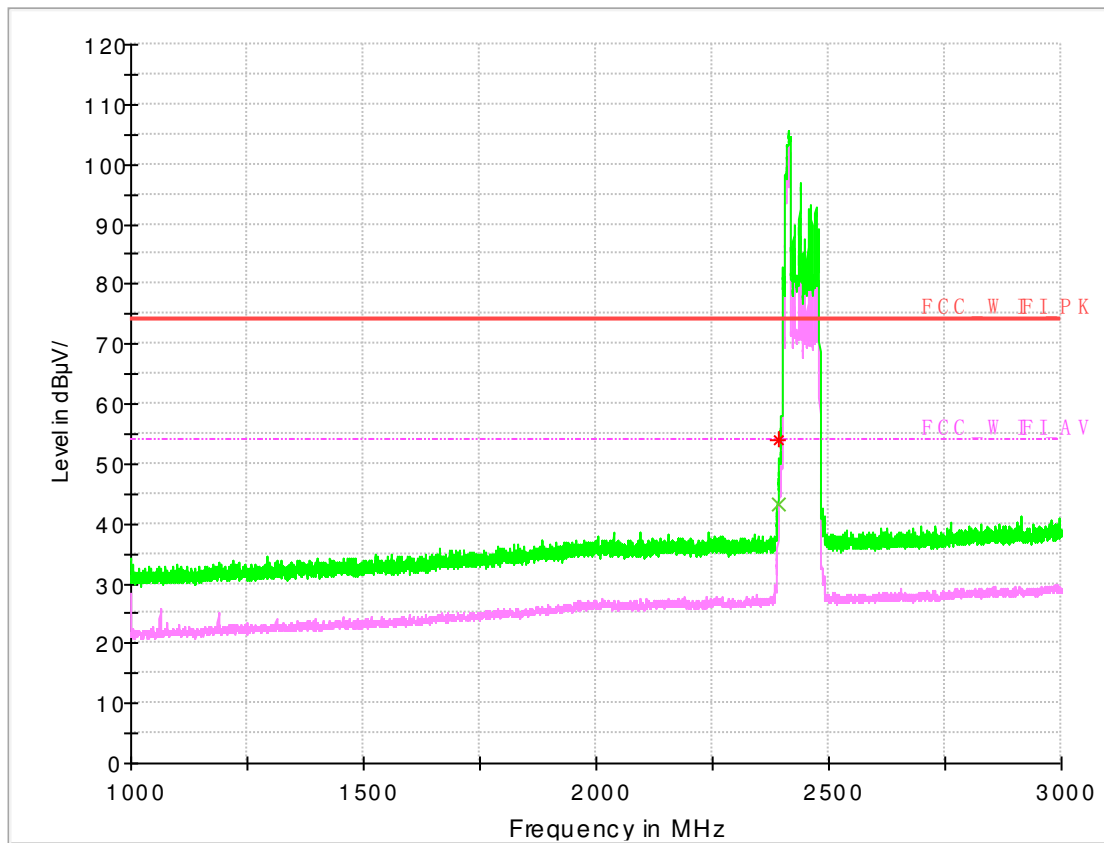
NOTE: No peak found in the Test Range of “18 GHz to 26.5GHz”

#### 7.4Part 4: Testing Range of “1GHz to 3GHz”

- Note 1: The testing range of “1 GHz to 3 GHz” is for checking radiated emissions located in restricted bands near the EUT operating bands.
- Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).
- Note 3: The peak spike exceeds the limit line is EUT’s operating frequency.
- Test Mode:

##### 7.4.1Test Mode: 11B

###### 7.4.1.1Channel 1

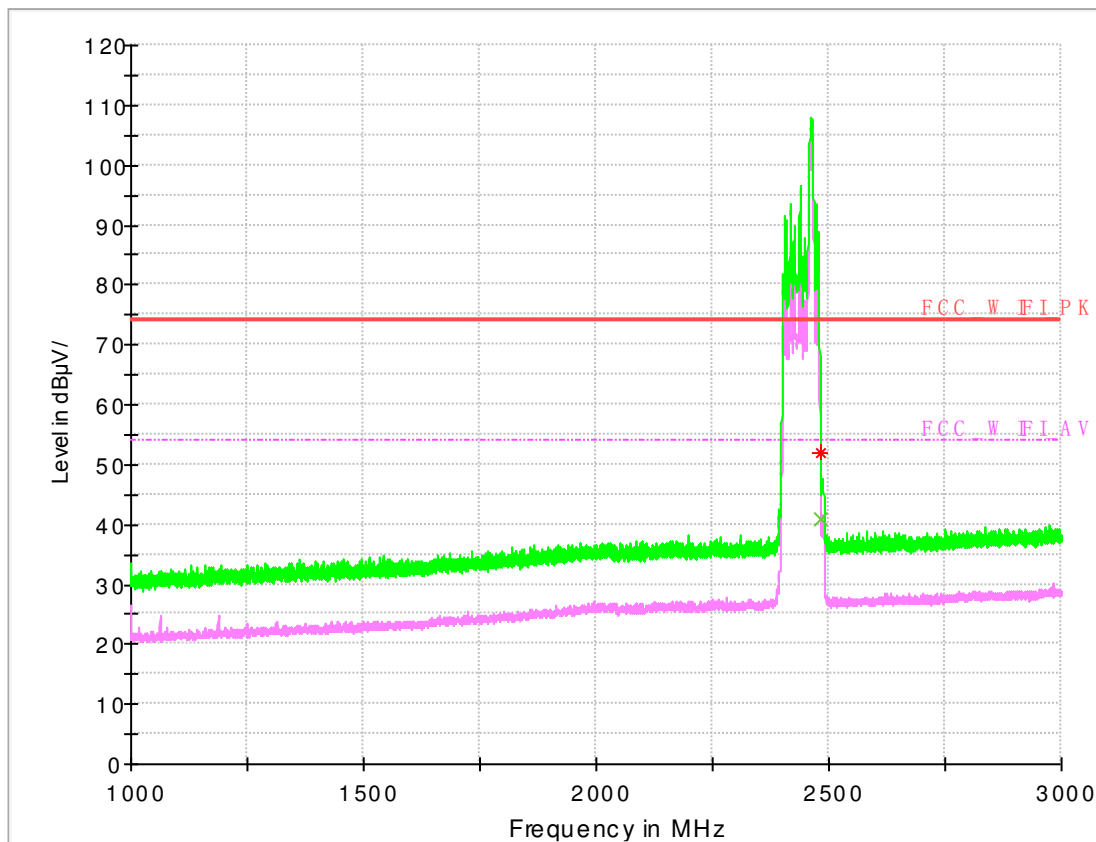




Note: The peak exceeds the limit line is carrier frequency.

| Frequency<br>(MHz) | MaxP<br>eak | Average<br>(dBμV/ | Limit<br>(dBμV/ | Margi<br>n | Height<br>(cm) | Pol | Azim<br>uth | Cor<br>r. |
|--------------------|-------------|-------------------|-----------------|------------|----------------|-----|-------------|-----------|
| 2390.000000        | 53.91       | ---               | 74.00           | -20.09     | 142.0          | H   | 230.0       | -7.4      |
| 2390.000000        | ---         | 43.22             | 54.00           | -10.78     | 136.0          | H   | 231.0       | -7.3      |

### 7.4.1.2 Channel 11

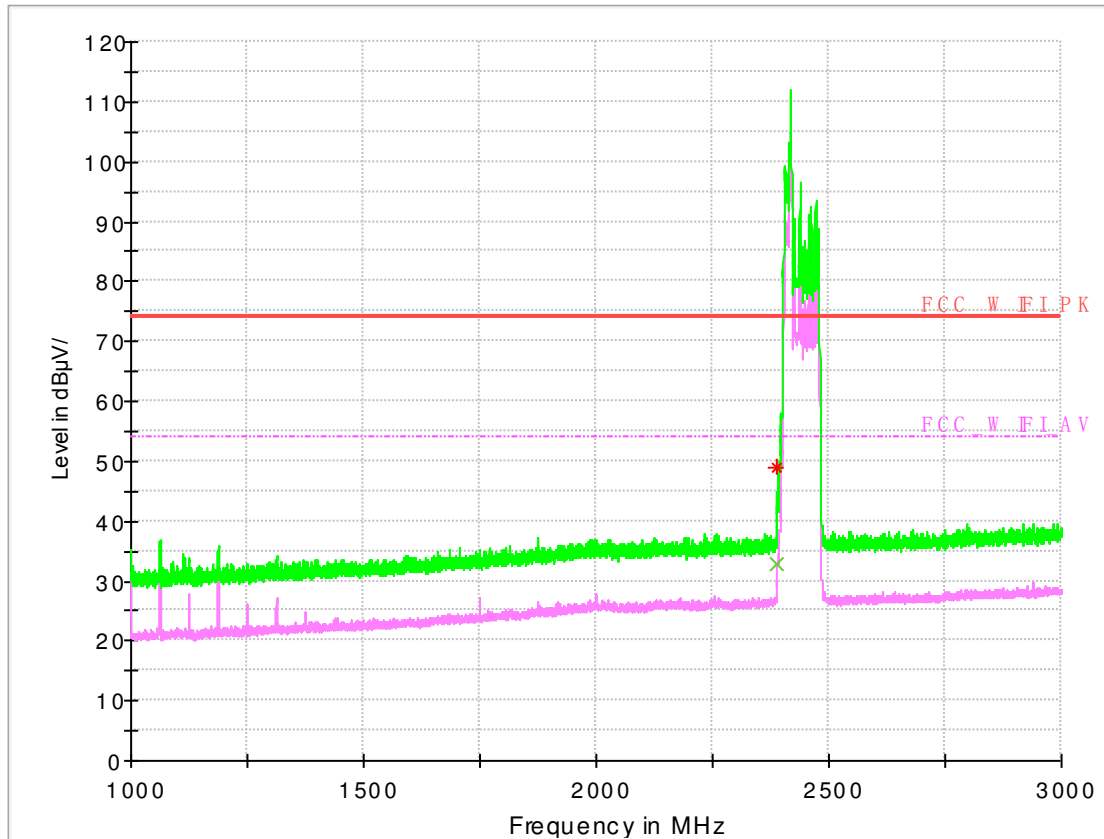


Note: The peak exceeds the limit line is carrier frequency.

| Frequency (MHz) | MaxPeak | Average (dBμV) | Limit (dBμV) | Margin | Height (cm) | Pol | Azimuth | Corr. |
|-----------------|---------|----------------|--------------|--------|-------------|-----|---------|-------|
| 2483.500000     | ---     | 41.05          | 54.00        | -12.95 | 117.0       | H   | 190.0   | -0.5  |
| 2483.500000     | 51.99   | ---            | 74.00        | -22.01 | 136.0       | H   | 192.0   | -0.7  |

## 7.4.2 Test Mode: 11G

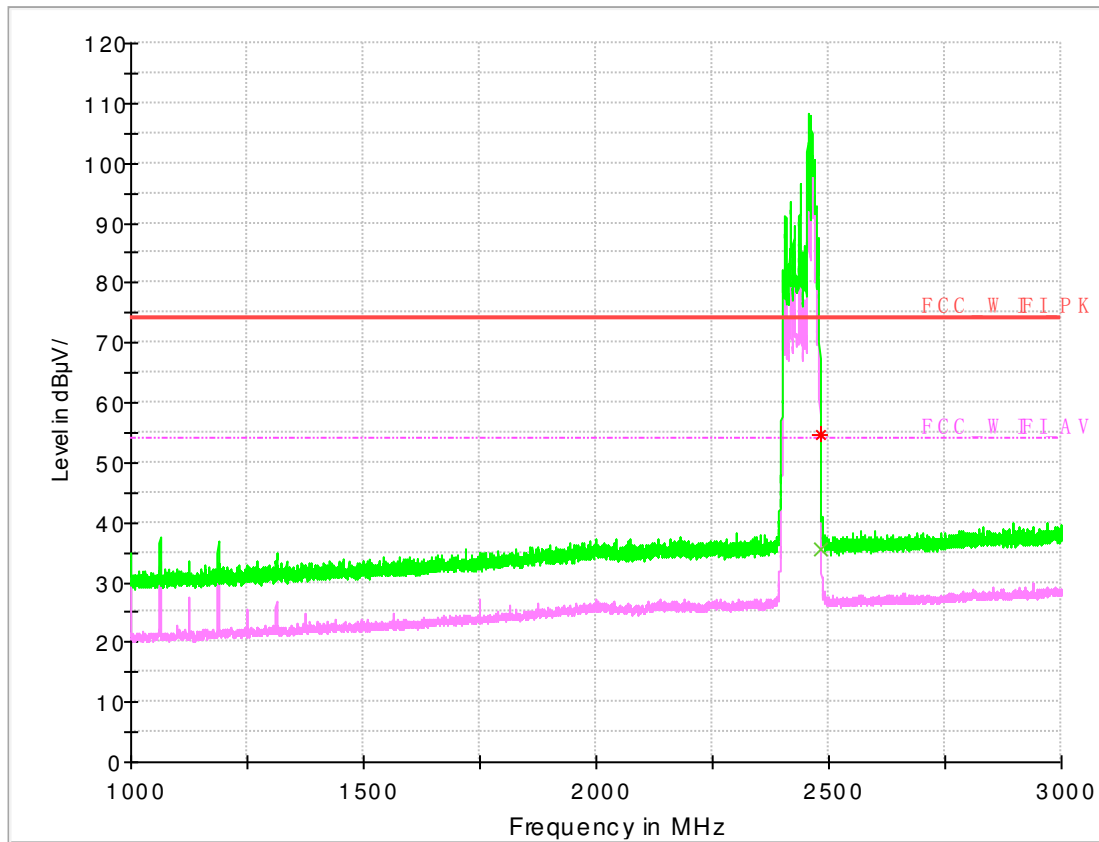
### 7.4.2.1 Channel 1



Note: The peak exceeds the limit line is carrier frequency.

| Frequency (MHz) | MaxPeak | Average (dBμV/) | Limit (dBμV/) | Margin | Height (cm) | Pol | Azimuth | Corr. |
|-----------------|---------|-----------------|---------------|--------|-------------|-----|---------|-------|
| 2390.000000     | ---     | 32.71           | 54.00         | -21.29 | 130.0       | H   | 208.0   | -7.9  |
| 2390.000000     | 48.91   | ---             | 74.00         | -25.09 | 106.0       | H   | 208.0   | -7.8  |

### 7.4.2.2 Channel 11

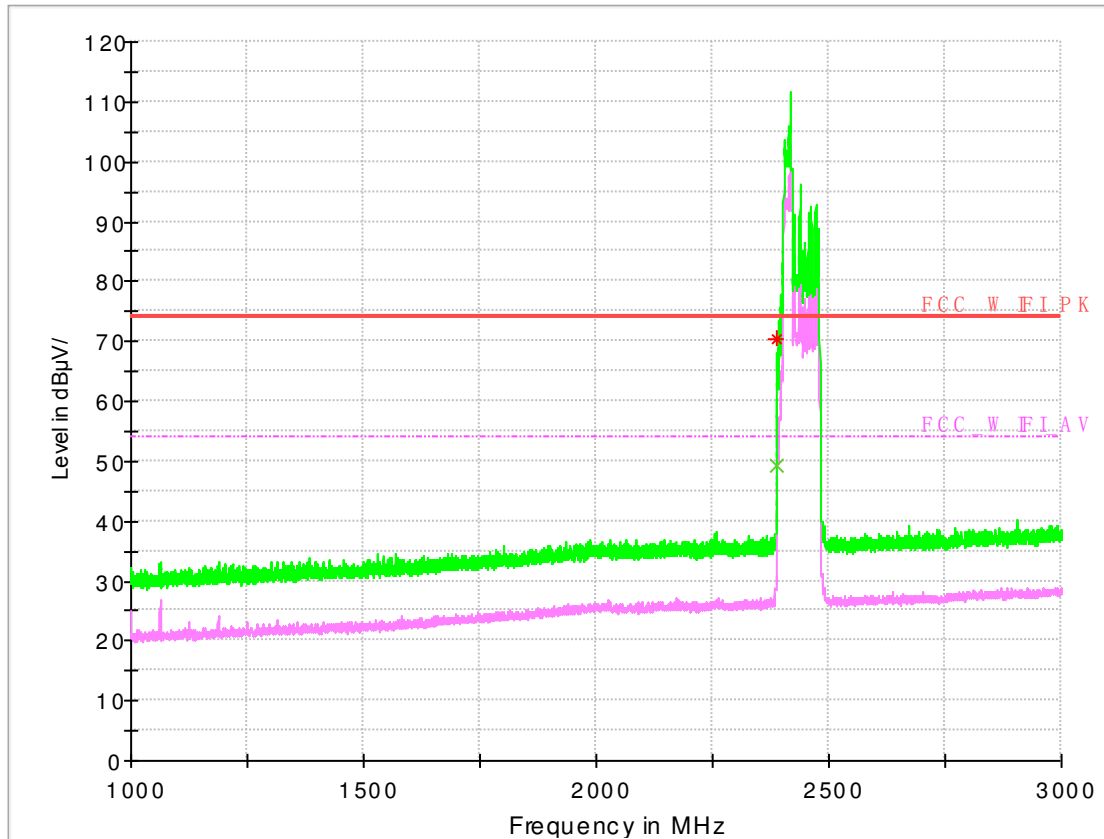


Note: The peak exceeds the limit line is carrier frequency.

| Frequency (MHz) | MaxPeak | Average (dBμV/) | Limit (dBμV/) | Margin | Height (cm) | Pol | Azimuth | Corr. |
|-----------------|---------|-----------------|---------------|--------|-------------|-----|---------|-------|
| 2483.500000     | ---     | 35.65           | 54.00         | -18.35 | 124.0       | H   | 194.0   | -0.5  |
| 2483.500000     | 54.69   | ---             | 74.00         | -19.31 | 106.0       | H   | 194.0   | -1.4  |

### 7.4.3 Test Mode: 11N20

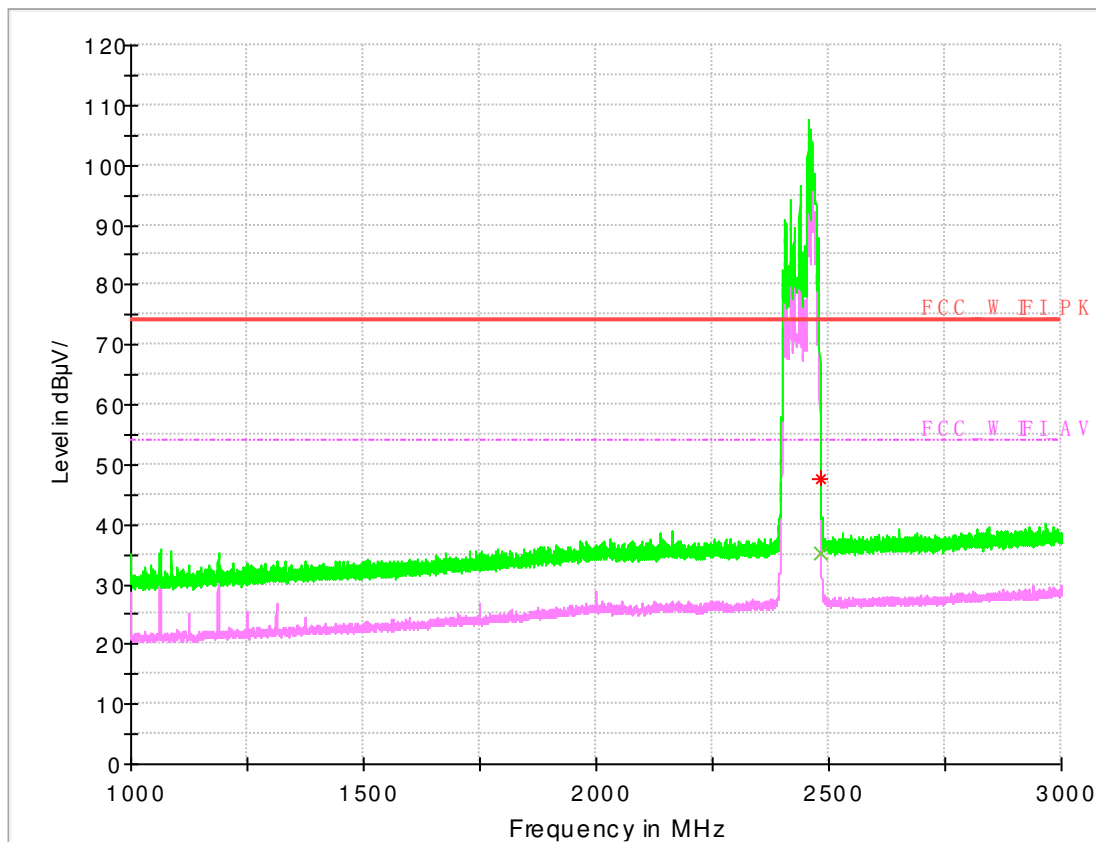
#### 7.4.3.1 Channel 1



Note: The peak exceeds the limit line is carrier frequency.

| Frequency (MHz) | MaxPeak | Average (dBμV/) | Limit (dBμV/) | Margin | Height (cm) | Pol | Azimuth | Corr. |
|-----------------|---------|-----------------|---------------|--------|-------------|-----|---------|-------|
| 2390.000000     | 69.43   | ---             | 74.00         | -4.57  | 118.0       | H   | 192.0   | -7.9  |
| 2390.000000     | ---     | 49.36           | 54.00         | -4.64  | 137.0       | H   | 192.0   | -7.8  |

### 7.4.3.2 Channel 11

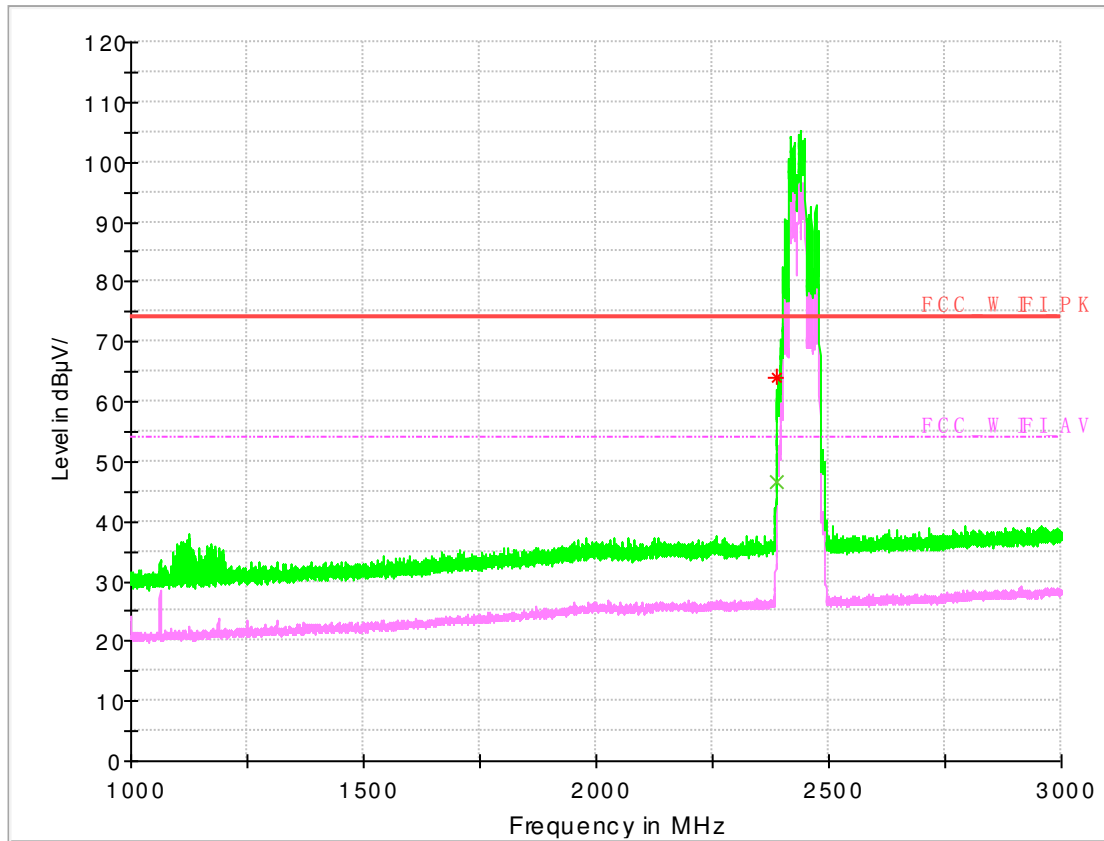


Note: The peak exceeds the limit line is carrier frequency.

| Frequency (MHz) | MaxPeak | Average (dBμV/) | Limit (dBμV/) | Margin | Height (cm) | Pol | Azimuth | Corr. |
|-----------------|---------|-----------------|---------------|--------|-------------|-----|---------|-------|
| 2483.500000     | ---     | 35.28           | 54.00         | -18.72 | 107.0       | H   | 192.0   | -0.5  |
| 2483.500000     | 47.73   | ---             | 74.00         | -26.27 | 100.0       | V   | 208.0   | -0.8  |

#### 7.4.4 Test Mode: 11N40

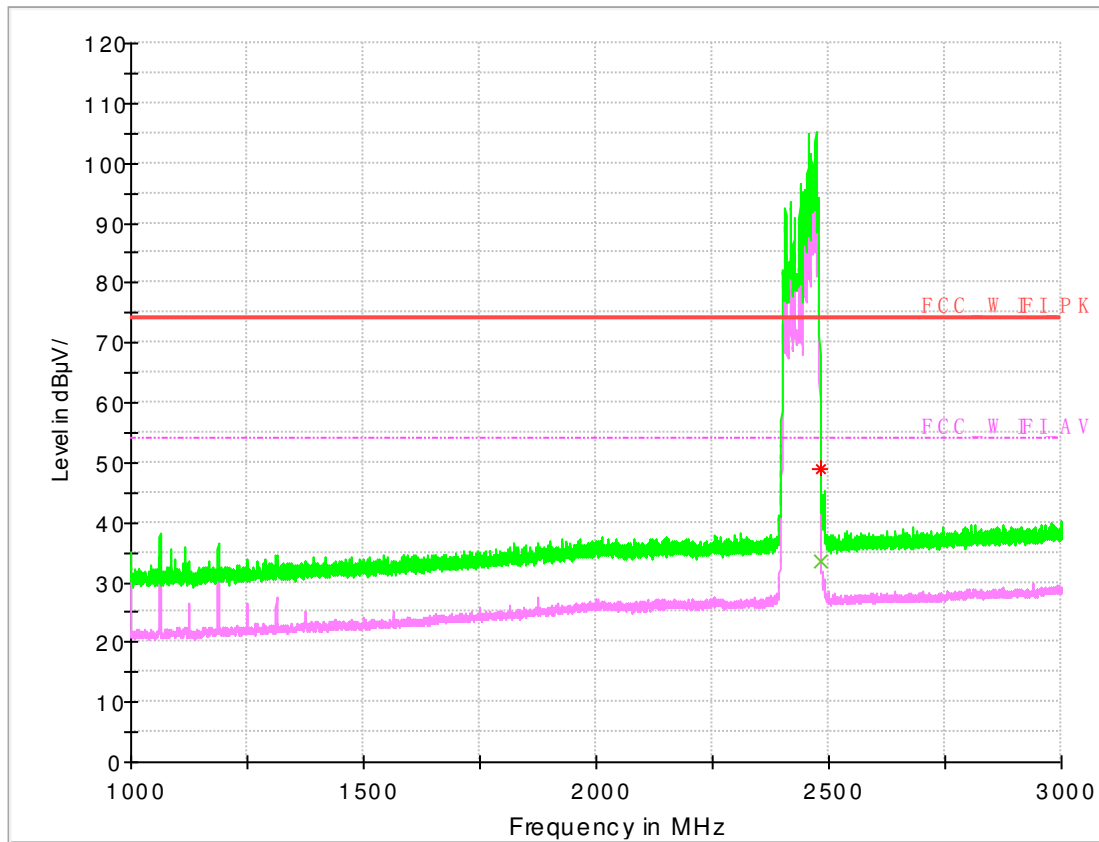
##### 7.4.4.1 Channel 3



Note: The peak exceeds the limit line is carrier frequency.

| Frequency (MHz) | MaxPeak | Average (dBμV/) | Limit (dBμV/) | Margin | Height (cm) | Pol | Azimuth | Corr. |
|-----------------|---------|-----------------|---------------|--------|-------------|-----|---------|-------|
| 2390.000000     | 63.89   | ---             | 74.00         | -10.11 | 136.0       | H   | 195.0   | -7.8  |
| 2390.000000     | ---     | 46.43           | 54.00         | -7.57  | 136.0       | H   | 191.0   | -7.8  |

#### 7.4.4.2 Channel 9



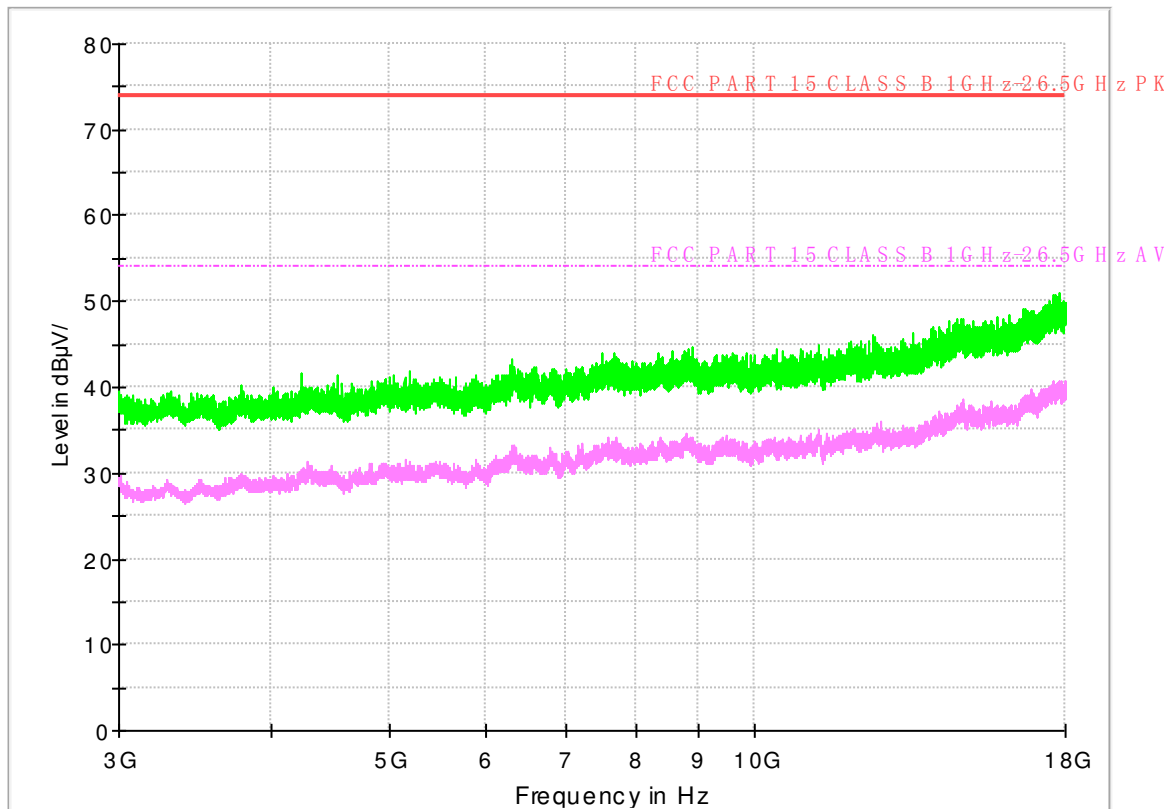
Note: The peak exceeds the limit line is carrier frequency.

| Frequency (MHz) | MaxPeak | Average (dBμV/) | Limit (dBμV/) | Margin | Height (cm) | Pol | Azimuth | Corr. |
|-----------------|---------|-----------------|---------------|--------|-------------|-----|---------|-------|
| 2483.500000     | ---     | 33.41           | 54.00         | -20.59 | 100.0       | V   | 138.0   | -0.5  |
| 2483.500000     | 48.77   | ---             | 74.00         | -25.23 | 100.0       | V   | 138.0   | -0.6  |

## 7.5Part 5: Testing Range of “3 GHz to 18 GHz”

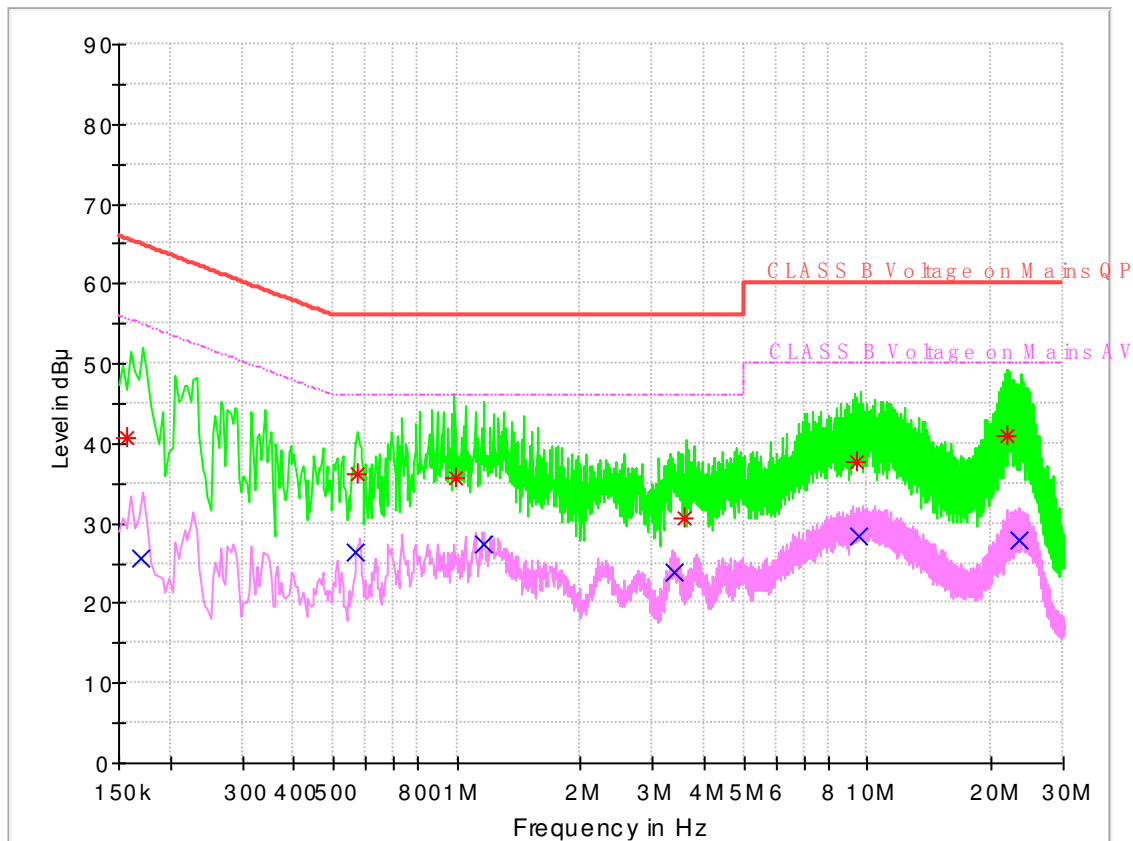
- Note 1: The test results and plot for testing range of “3 GHz to 18 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.
- Note 2: The testing range of “3 GHz to 18 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.
- Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).

Full Spectrum



## Appendix I: Conducted Emission at Power Port

Note: RBW = 9 kHz, VBW = 30 kHz



## Final Result 1

| Frequency | QuasiPea | Average | Limit | Margin | Line | Filter | Corr. |
|-----------|----------|---------|-------|--------|------|--------|-------|
| 0.157328  | 40.75    | ---     | 65.60 | -24.85 | N    | ON     | 9.7   |
| 0.169551  | ---      | 25.76   | 54.98 | -29.22 | N    | ON     | 9.7   |
| 0.567362  | ---      | 26.32   | 46.00 | -19.68 | L1   | ON     | 9.7   |
| 0.569782  | 36.29    | ---     | 56.00 | -19.71 | L1   | ON     | 9.7   |
| 0.989931  | 35.70    | ---     | 56.00 | -20.30 | L1   | ON     | 9.7   |
| 1.159804  | ---      | 27.36   | 46.00 | -18.64 | L1   | ON     | 9.7   |
| 3.384576  | ---      | 23.84   | 46.00 | -22.16 | N    | ON     | 9.7   |
| 3.583934  | 30.77    | ---     | 56.00 | -25.23 | N    | ON     | 9.7   |
| 9.418807  | 37.75    | ---     | 60.00 | -22.25 | N    | ON     | 9.9   |
| 9.474768  | ---      | 28.51   | 50.00 | -21.49 | N    | ON     | 9.9   |
| 21.792894 | 41.08    | ---     | 60.00 | -18.92 | N    | ON     | 10.2  |
| 23.513747 | ---      | 27.99   | 50.00 | -22.01 | N    | ON     | 10.2  |

---

END