



# Annex A: DTS (6 dB) Bandwidth



For measurements on devices with multiple transmit chains, the test is performed at each chain, and is used as respective result for each chain.

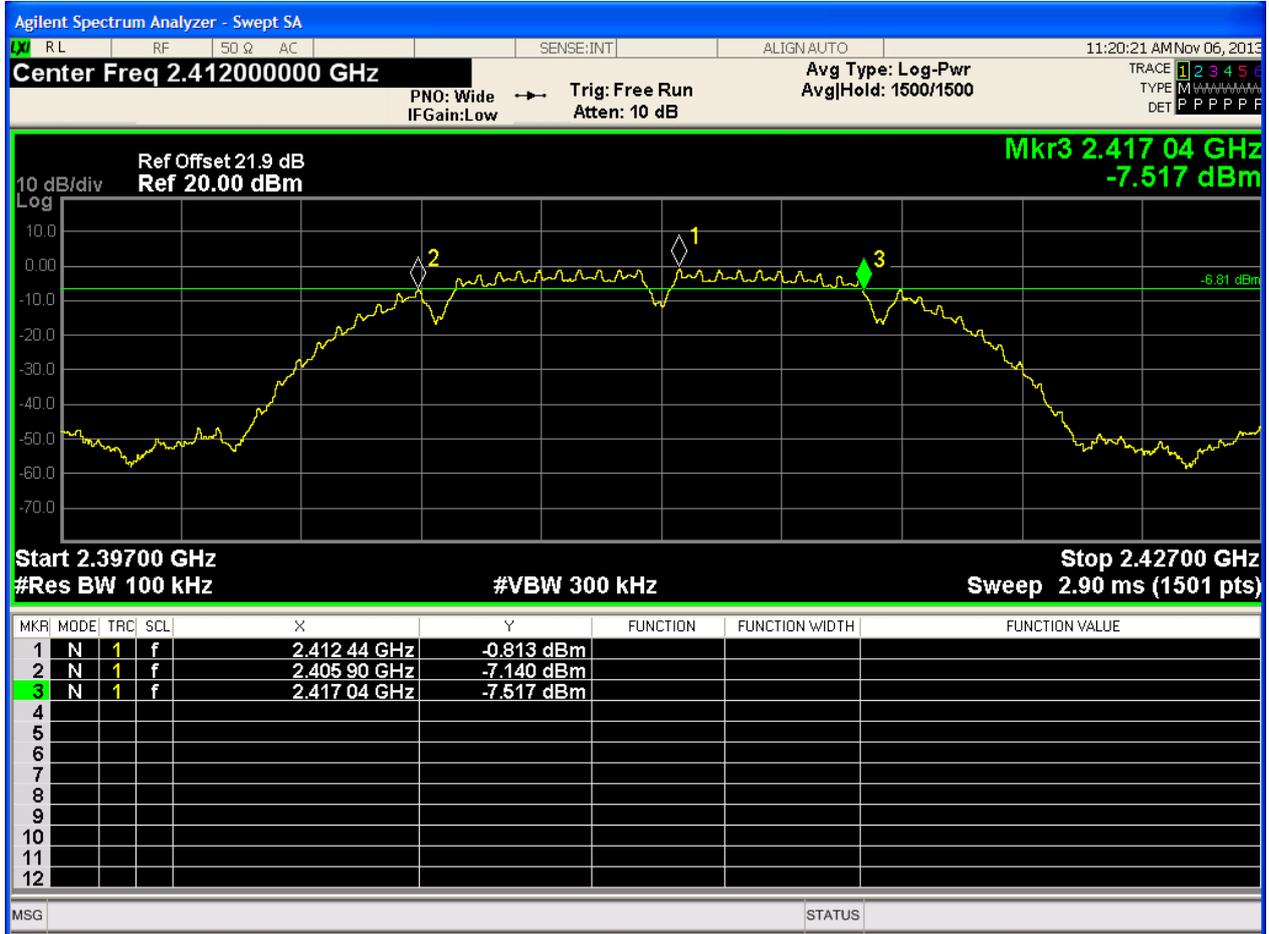
## 1 Result Table

EUT Conf.	Ant.	DTS (6 dB) Bandwidth [MHz]	Verdict
11B1-B-Ant1	Ant 1	11.14	Pass
11B1-M-Ant1	Ant 1	11.12	Pass
11B1-T-Ant1	Ant 1	11.12	Pass
11G6-B-Ant1	Ant 1	15.68	Pass
11G6-M-Ant1	Ant 1	15.7	Pass
11G6-T-Ant1	Ant 1	15.7	Pass
11N0-20B-Ant1	Ant 1	15.74	Pass
11N0-20M-Ant1	Ant 1	15.74	Pass
11N0-20T-Ant1	Ant 1	15.38	Pass
11N0-40B-Ant1	Ant 1	35.12	Pass
11N0-40M-Ant1	Ant 1	35.12	Pass
11N0-40T-Ant1	Ant 1	35.12	Pass

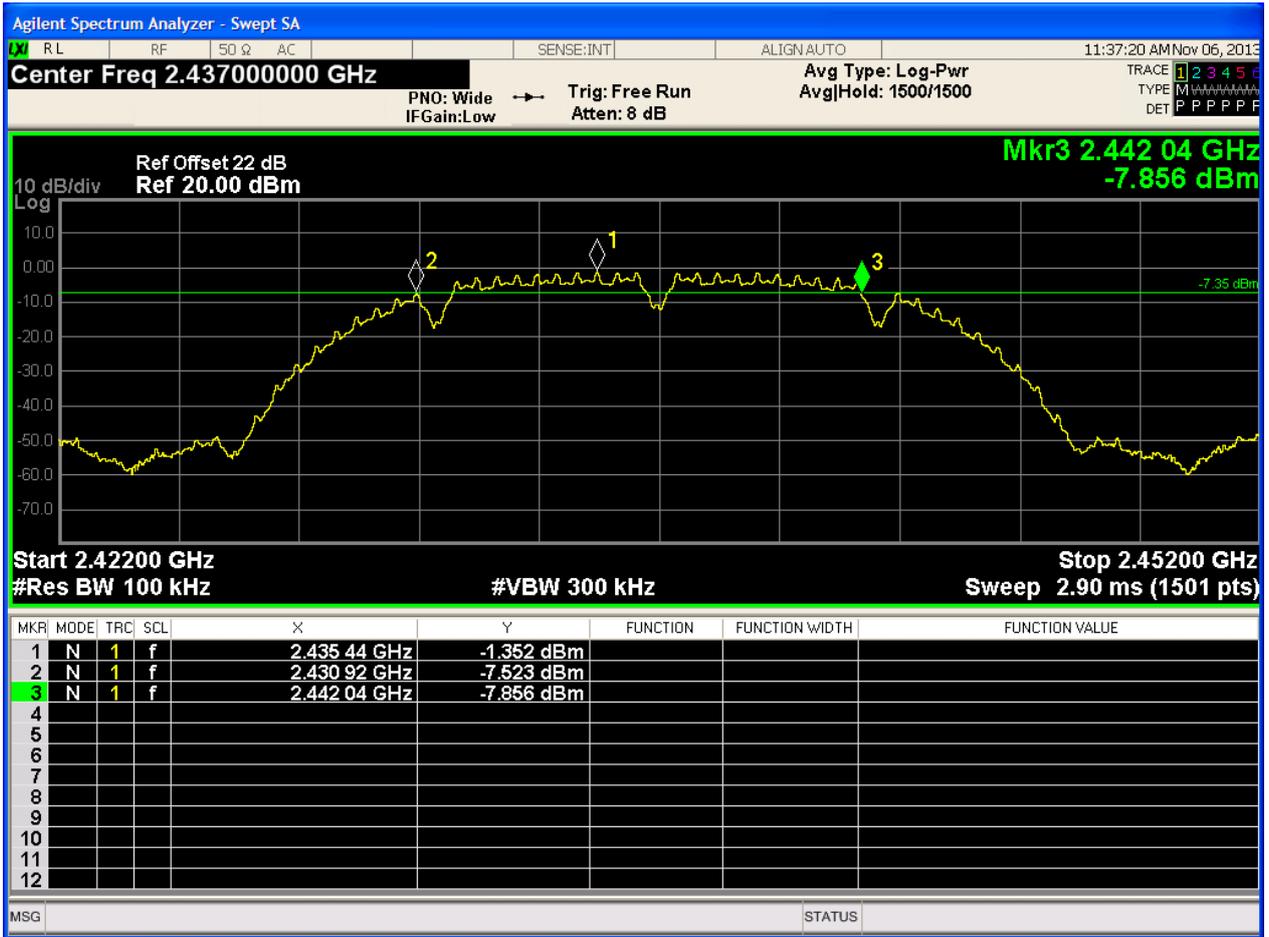


## 2 Test Plot

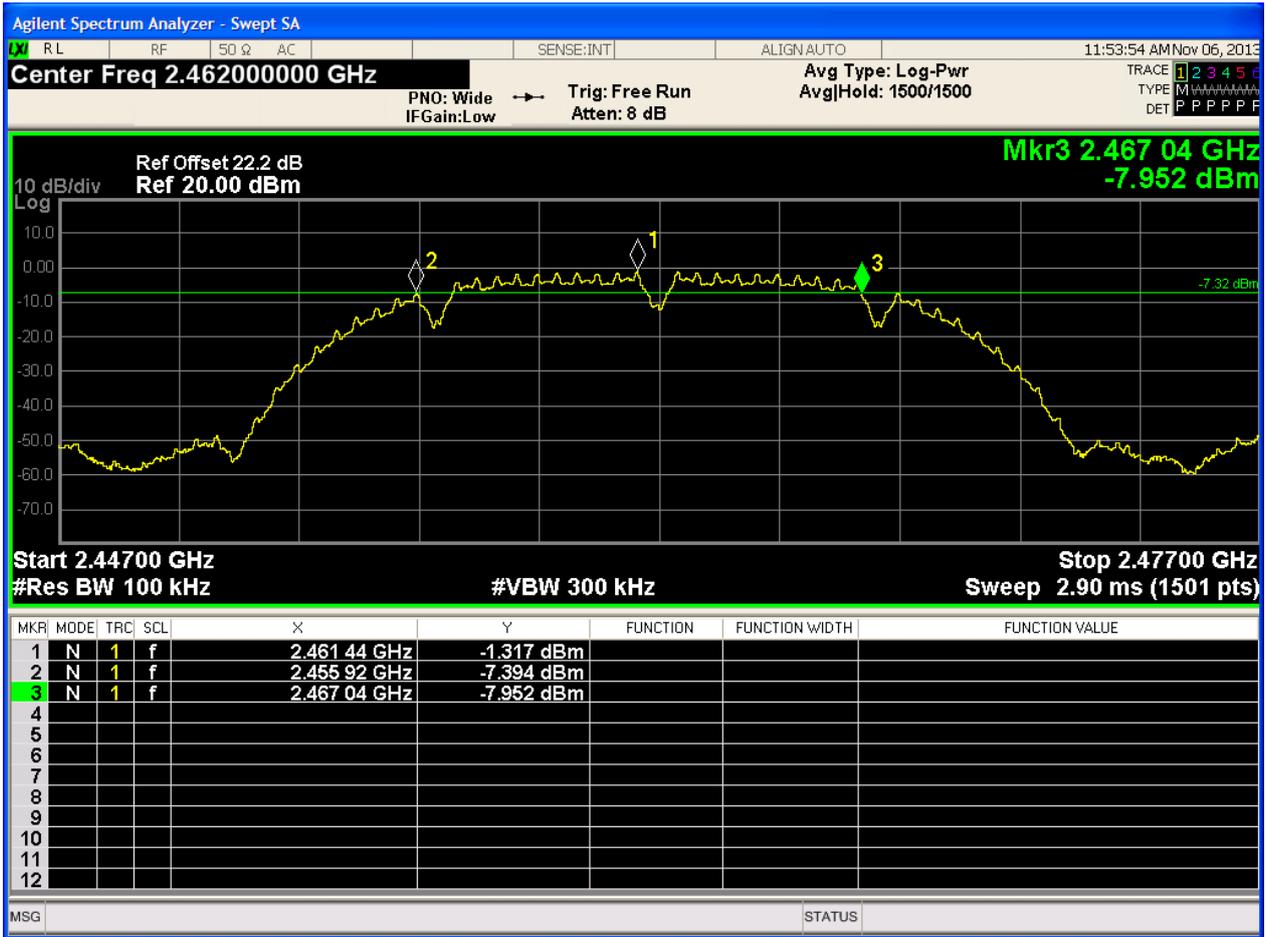
### 2.1 11B/1\_B@1



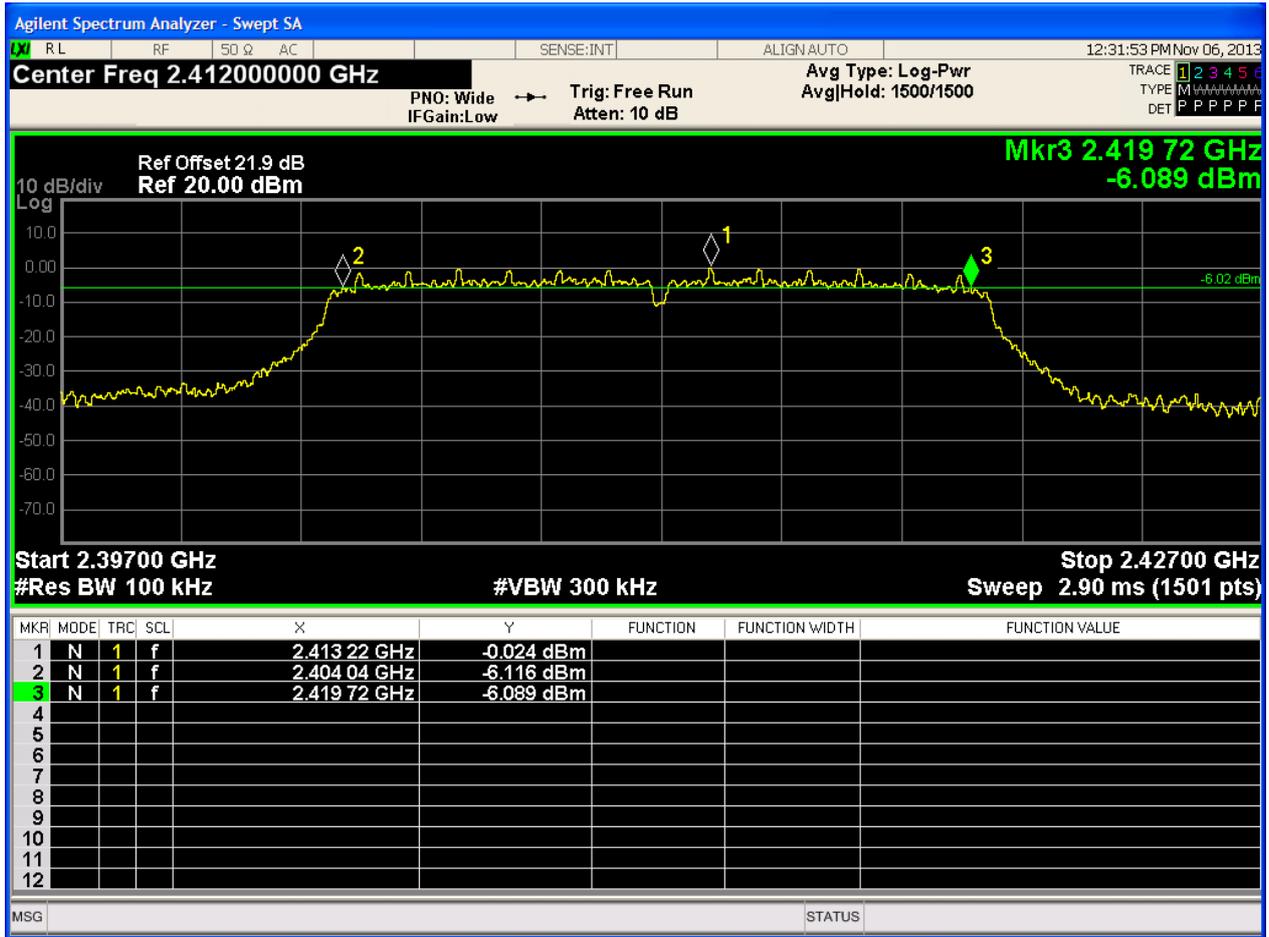
### 2.2 11B/1\_M@1



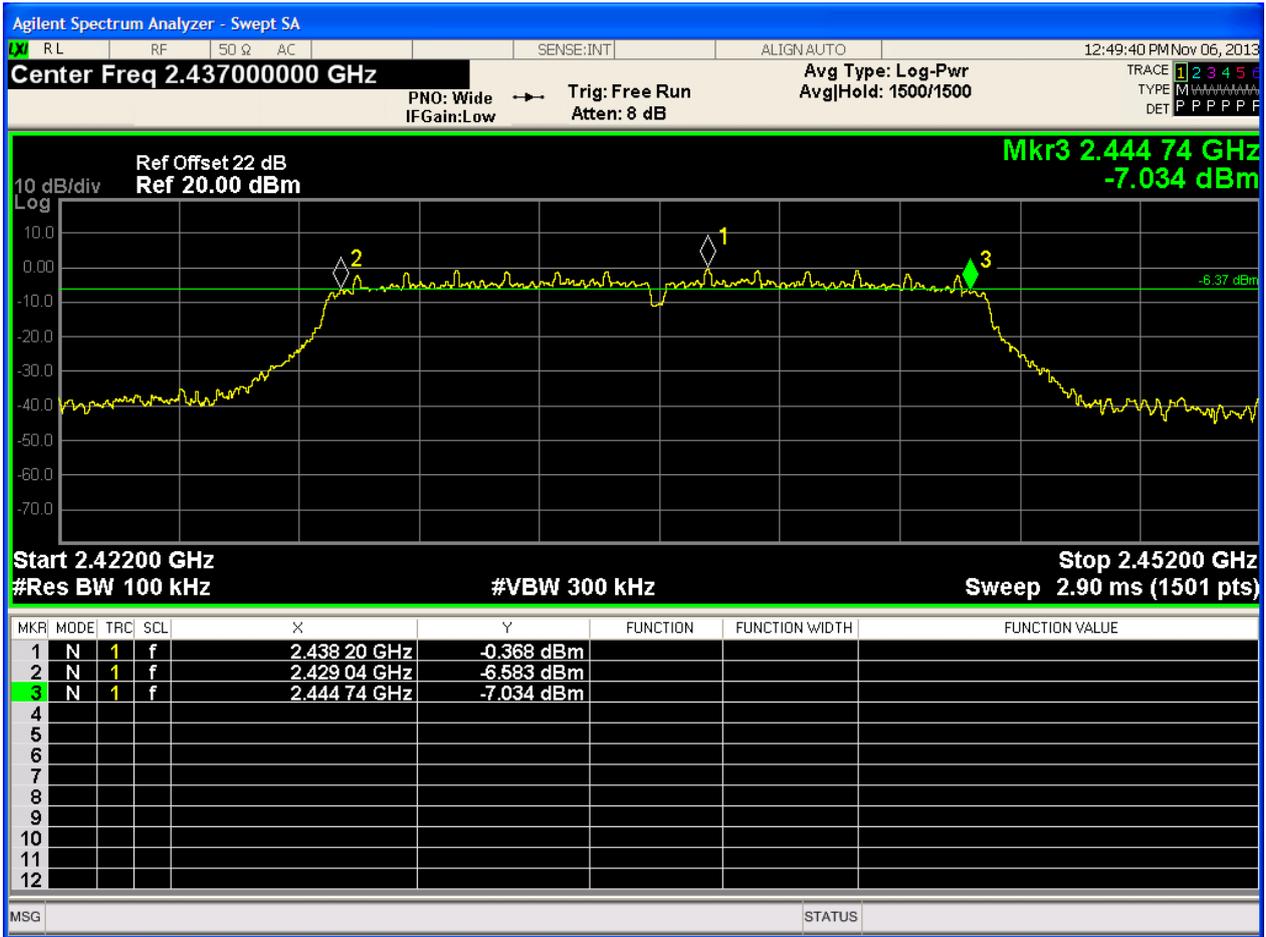
### 2.3 11B/1\_T@1



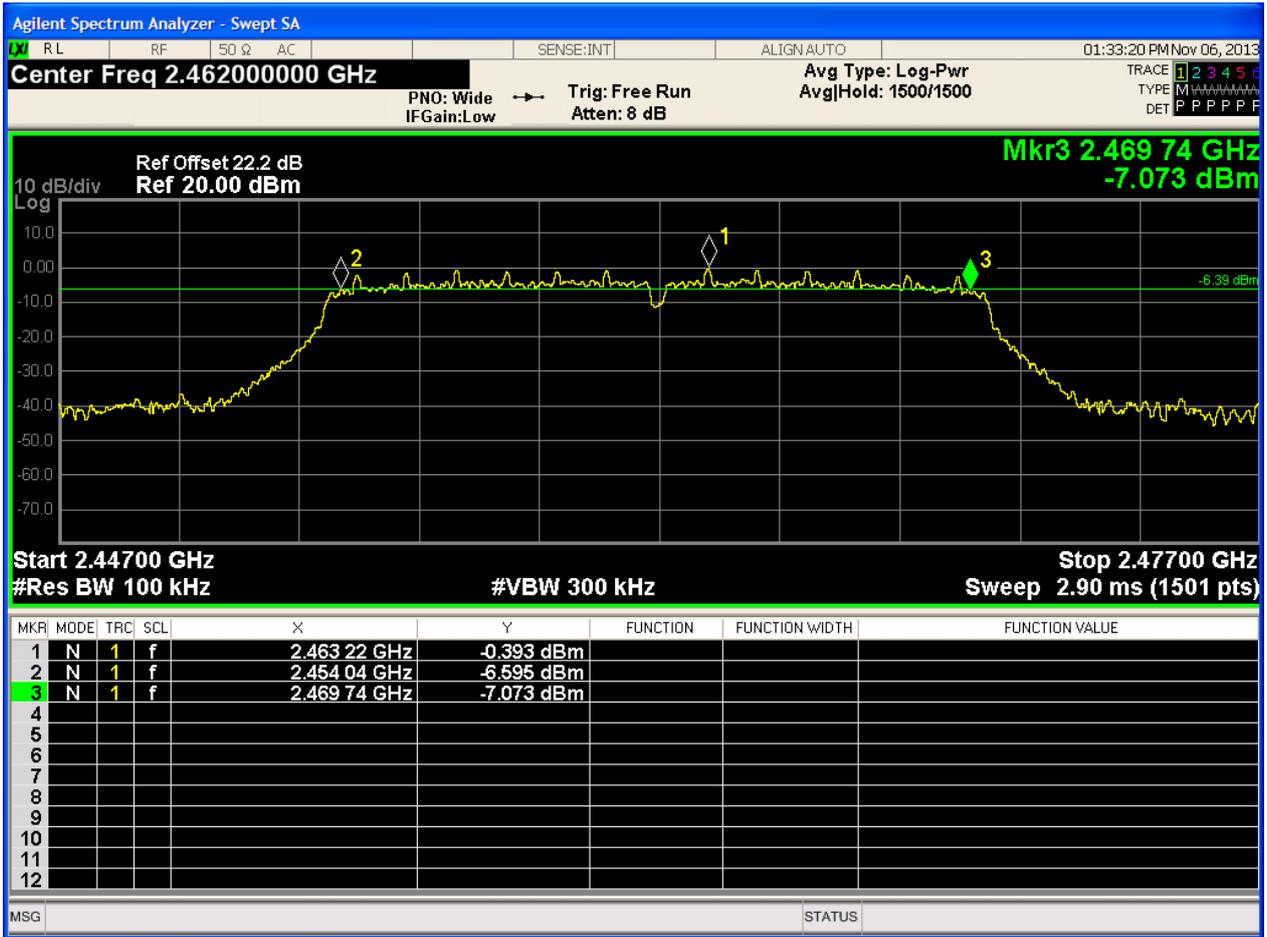
2.4 11G/6\_B@1



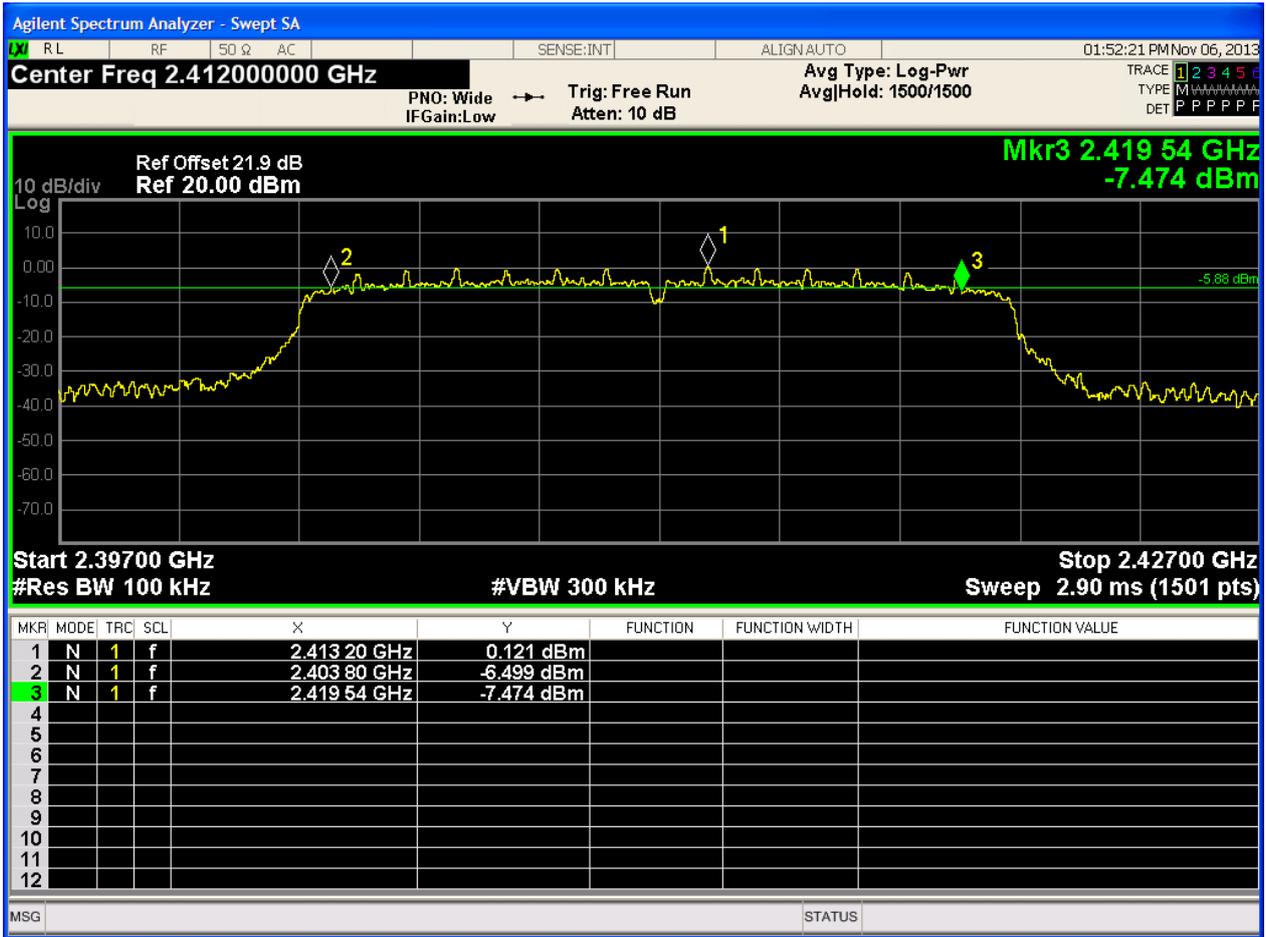
2.5 11G/6\_M@1



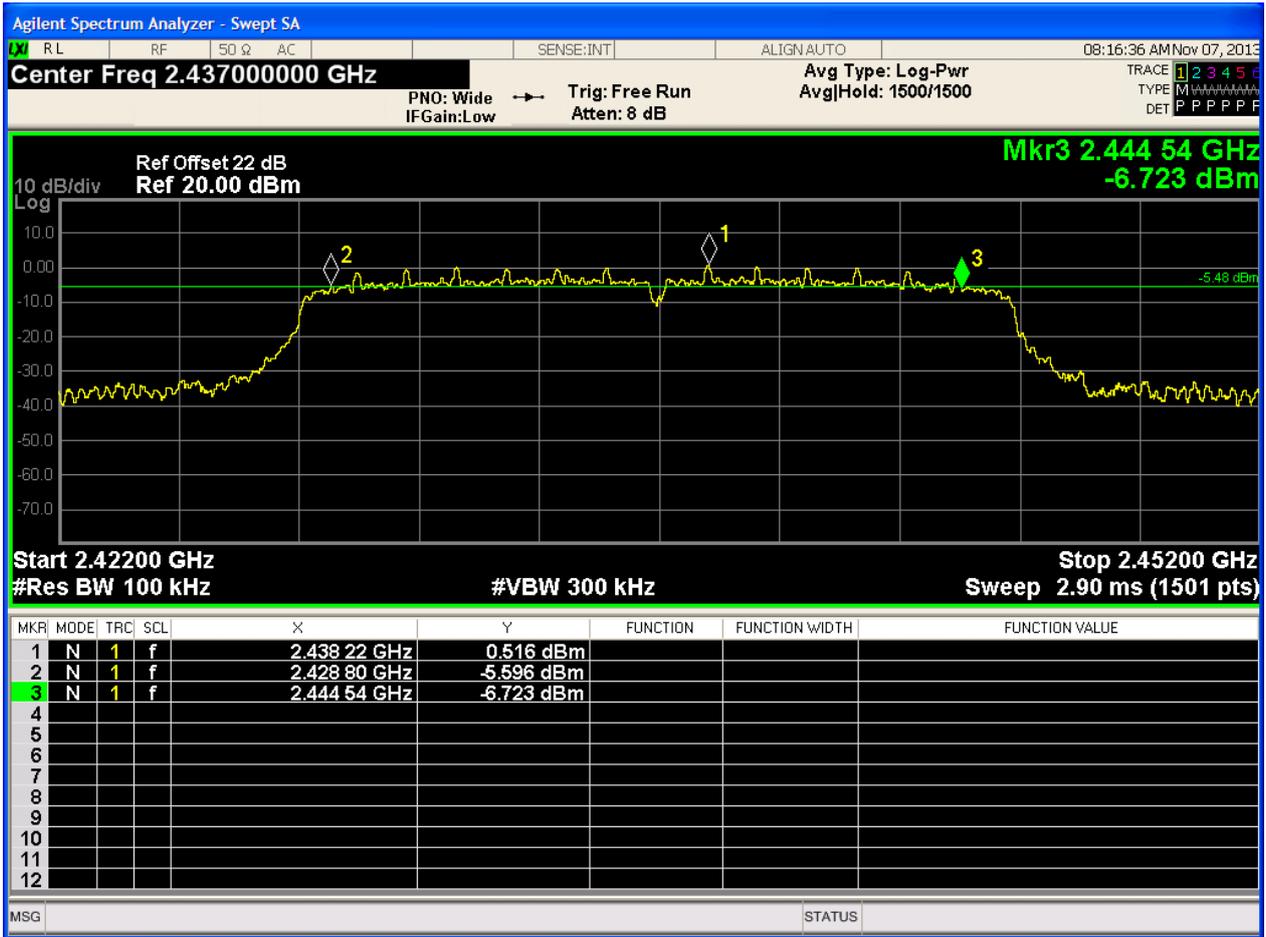
2.6 11G/6\_T@1



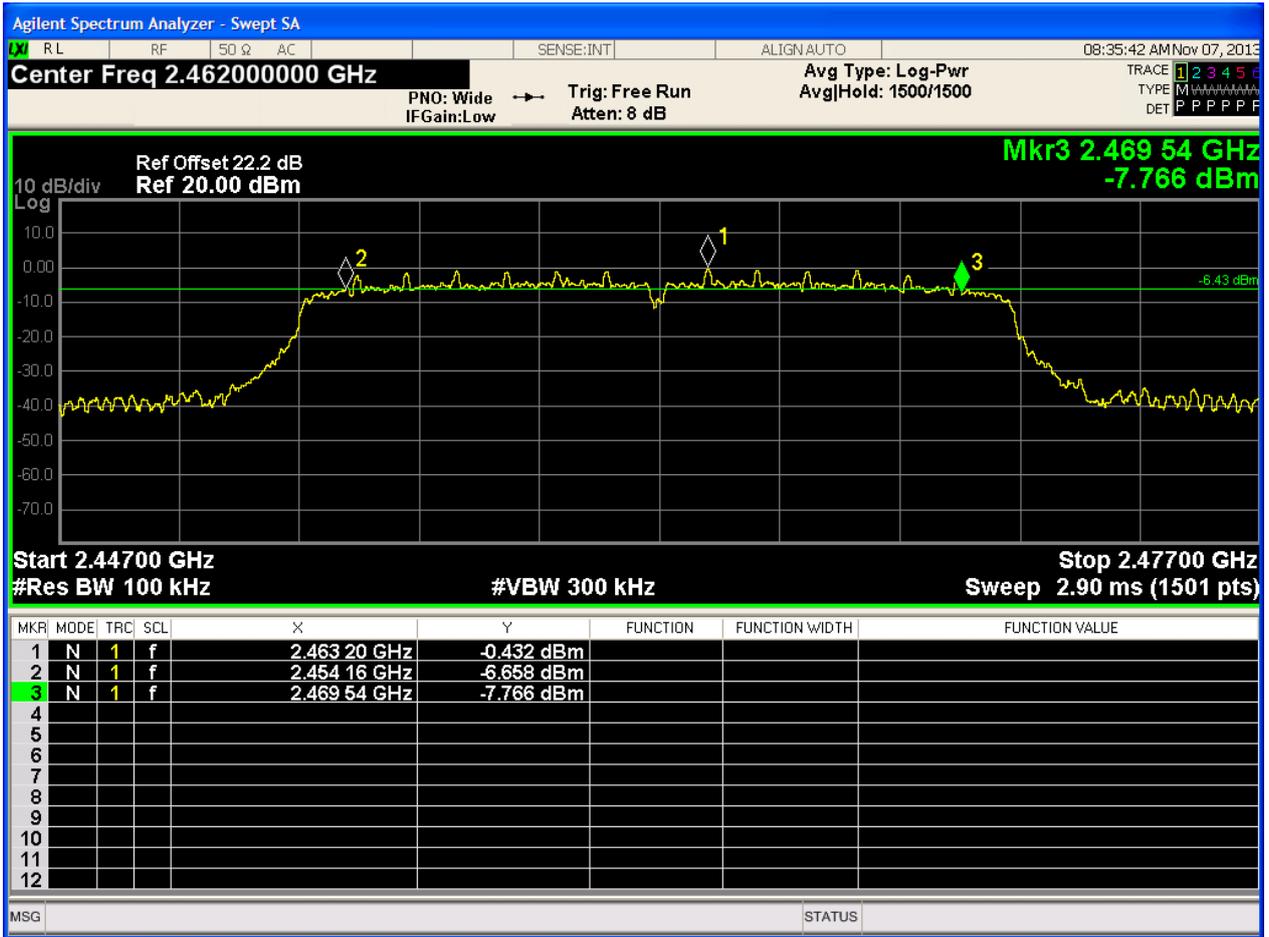
2.7 11N20/0\_B@1



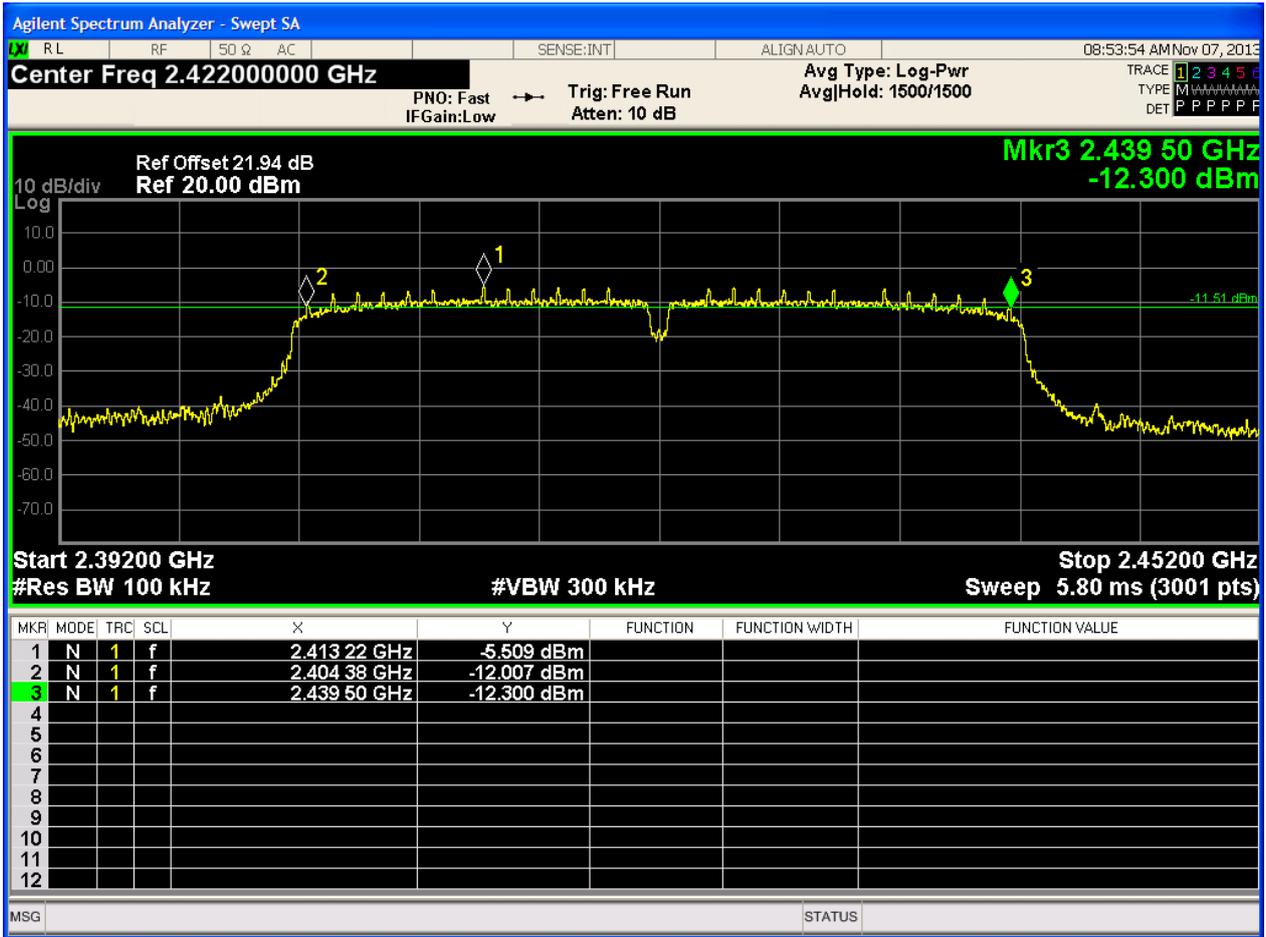
2.8 11N20/0\_M@1



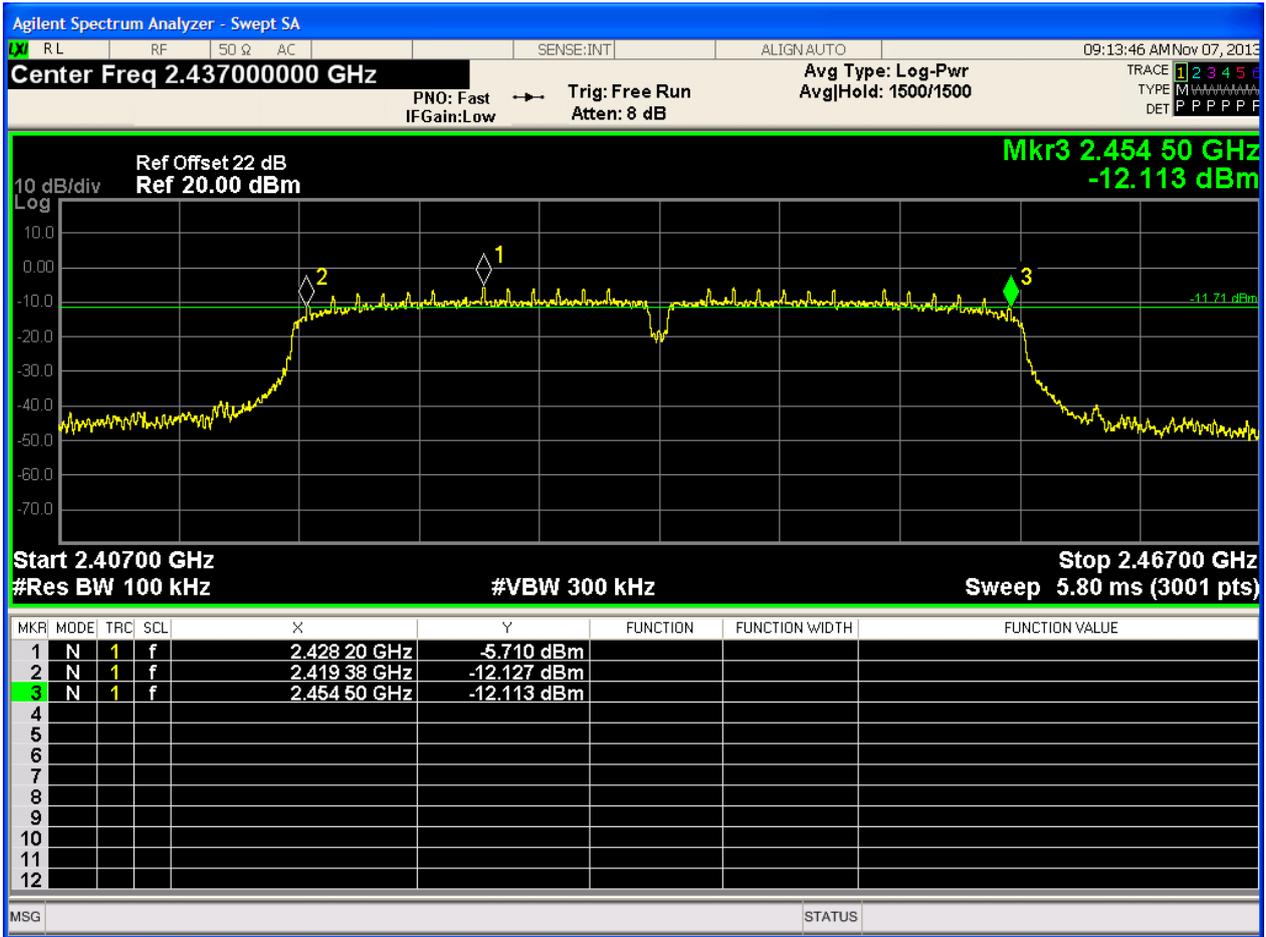
2.9 11N20/0\_T@1



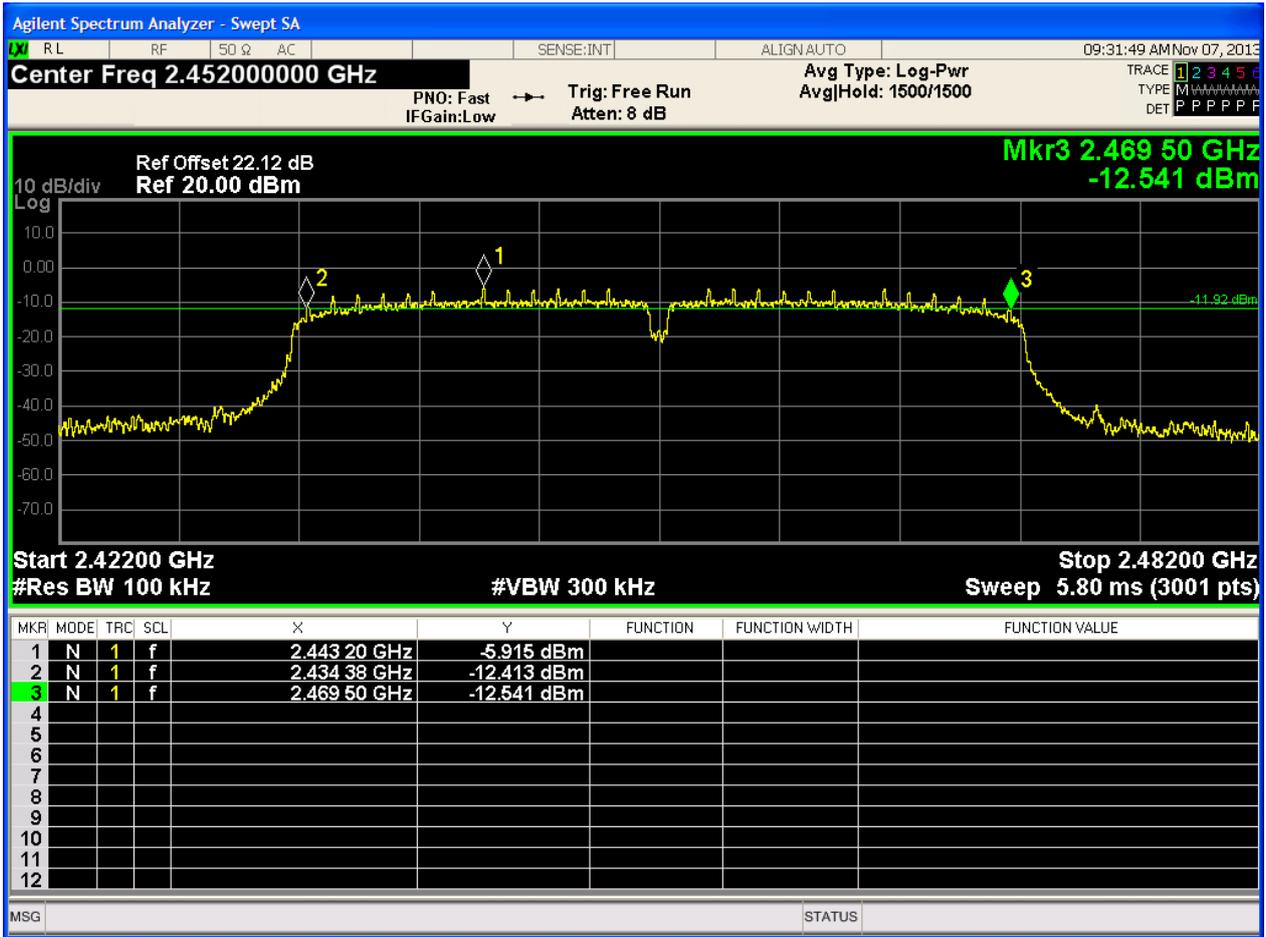
2.1011N40/0\_B@1



2.1111N40/0\_M@1



2.1211N40/0\_T@1





# Annex B: Occupied Bandwidth



For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

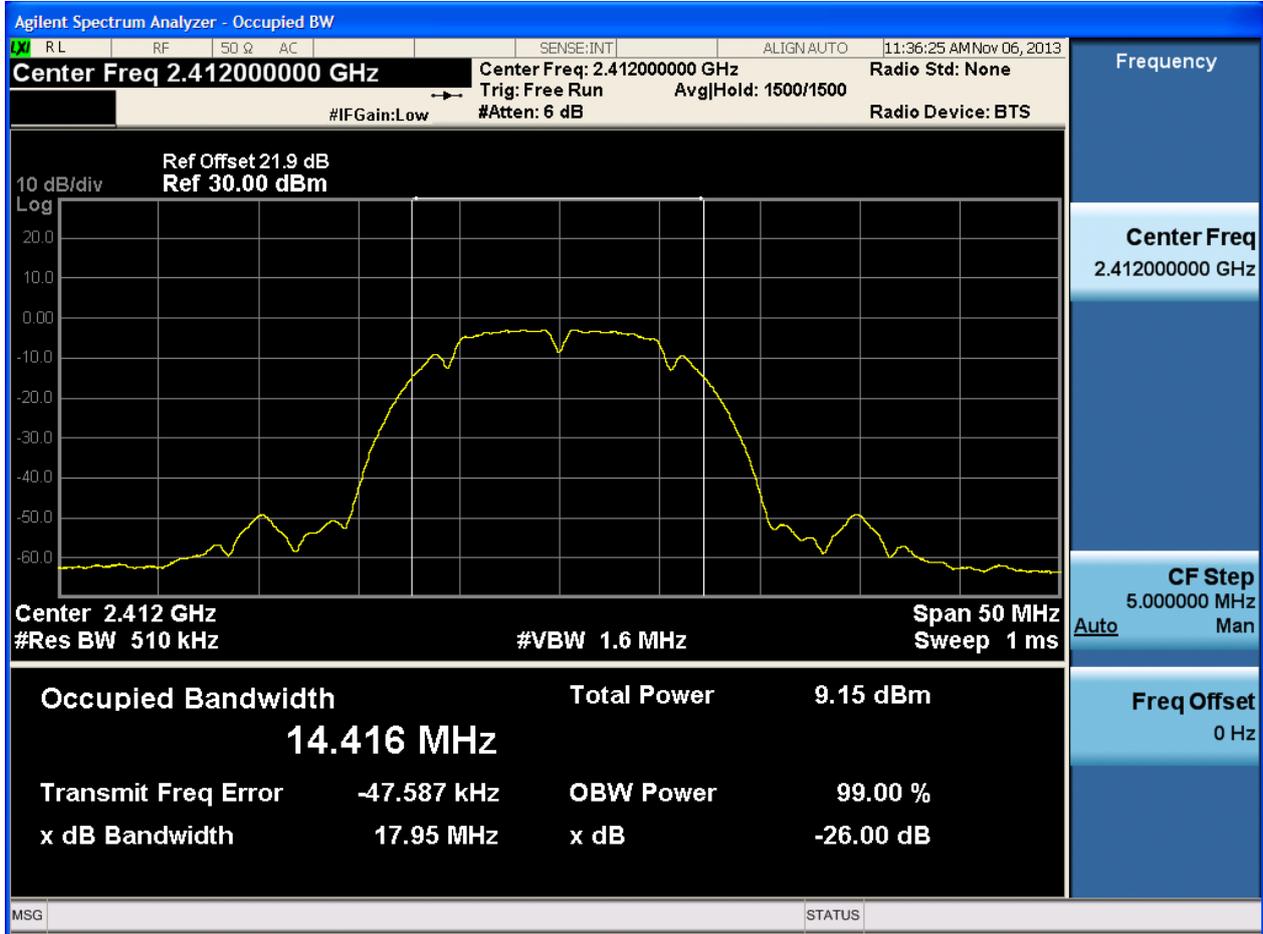
## 1 Result Table

EUT Conf.	Ant.	Occupied Bandwidth [MHz]	Verdict
11B1-B-Ant1	Ant 1	14.41614	Pass
11B1-M-Ant1	Ant 1	14.4006	Pass
11B1-T-Ant1	Ant 1	14.38025	Pass
11G6-B-Ant1	Ant 1	16.48424	Pass
11G6-M-Ant1	Ant 1	16.47448	Pass
11G6-T-Ant1	Ant 1	16.46839	Pass
11N0-20B-Ant1	Ant 1	17.53461	Pass
11N0-20M-Ant1	Ant 1	17.53425	Pass
11N0-20T-Ant1	Ant 1	17.51876	Pass
11N0-40B-Ant1	Ant 1	35.71172	Pass
11N0-40M-Ant1	Ant 1	35.68359	Pass
11N0-40T-Ant1	Ant 1	35.68688	Pass

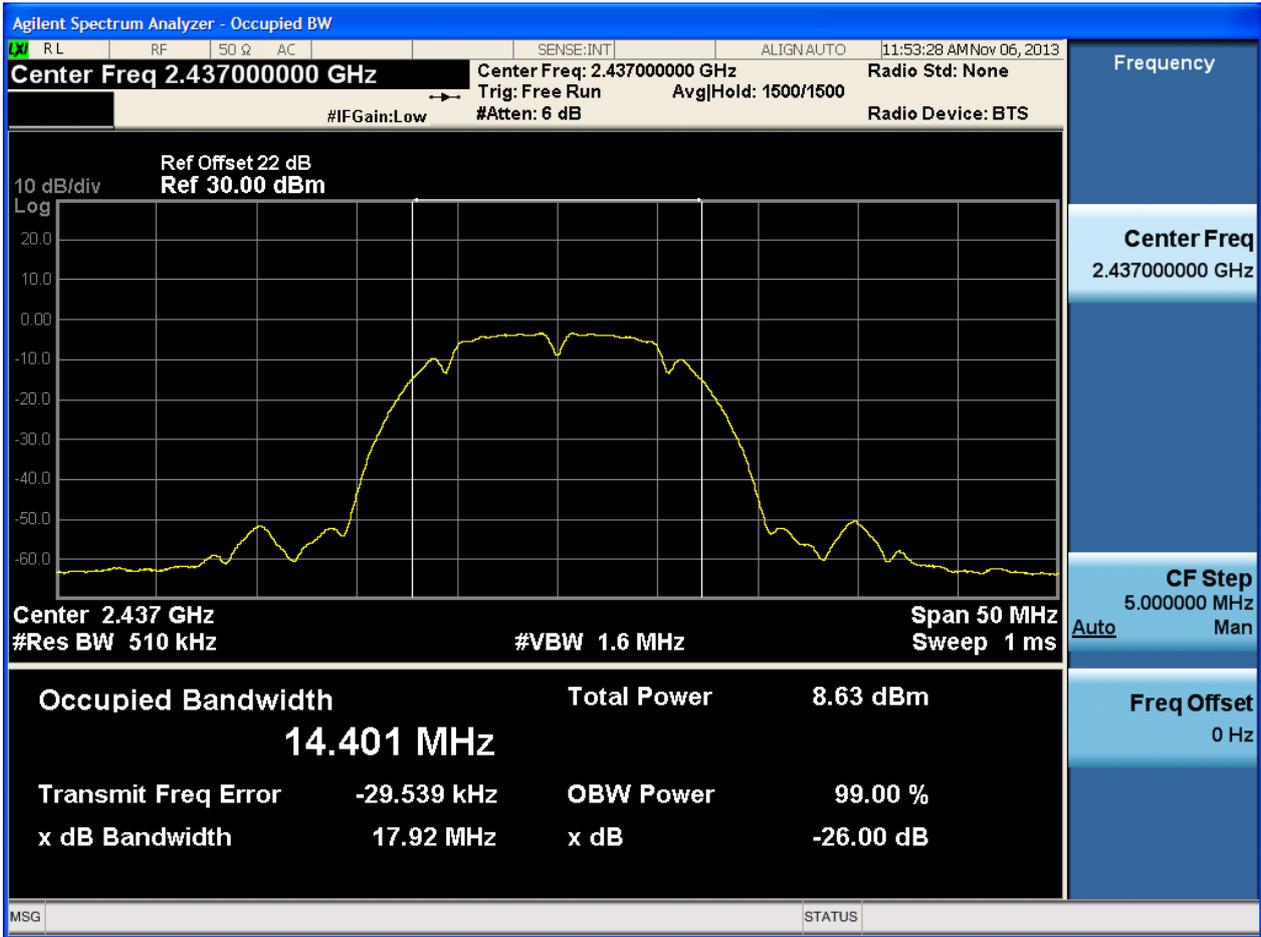


## 2 Test Plot

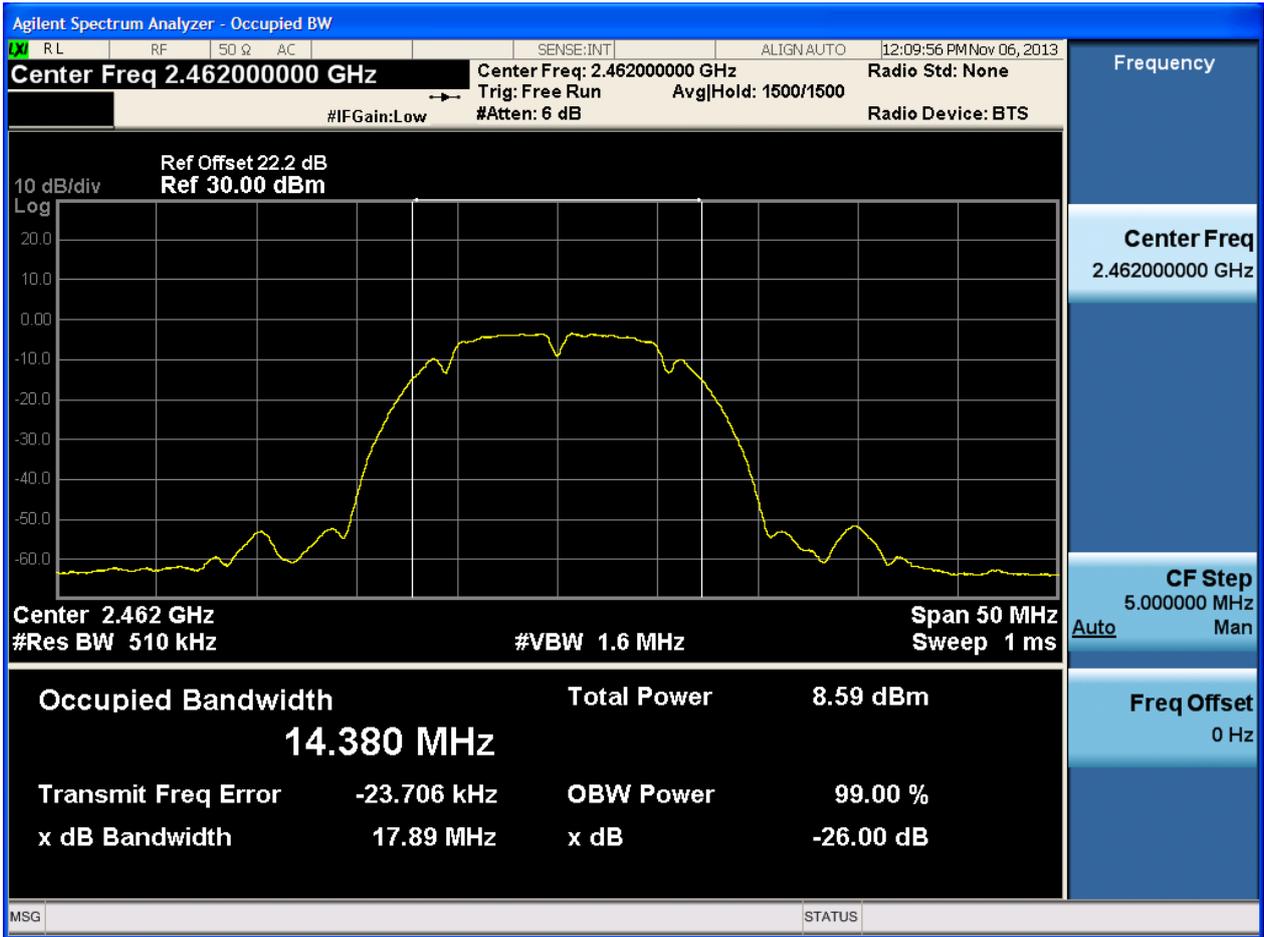
### 2.1 11B/1\_B@1



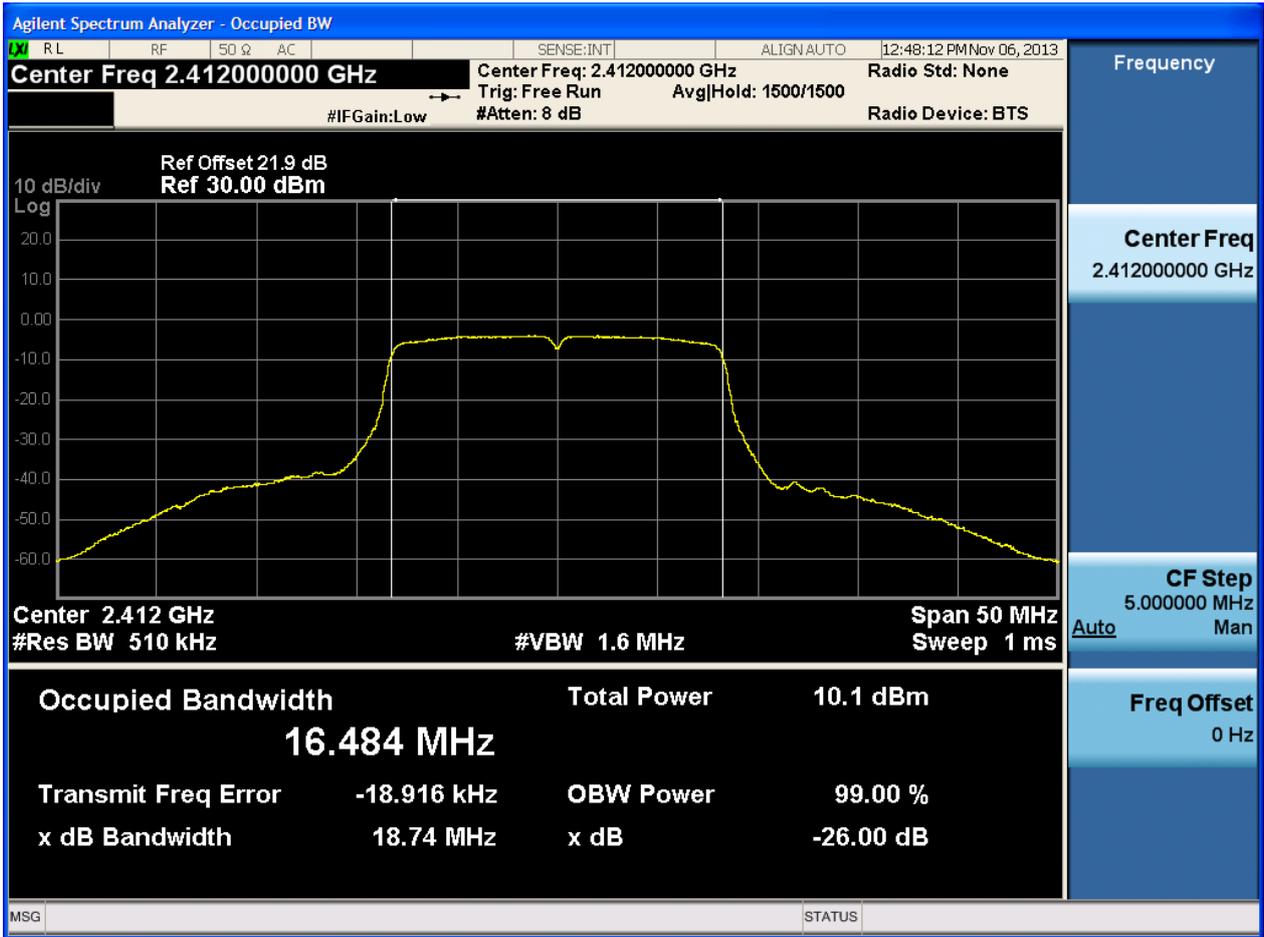
### 2.2 11B/1\_M@1



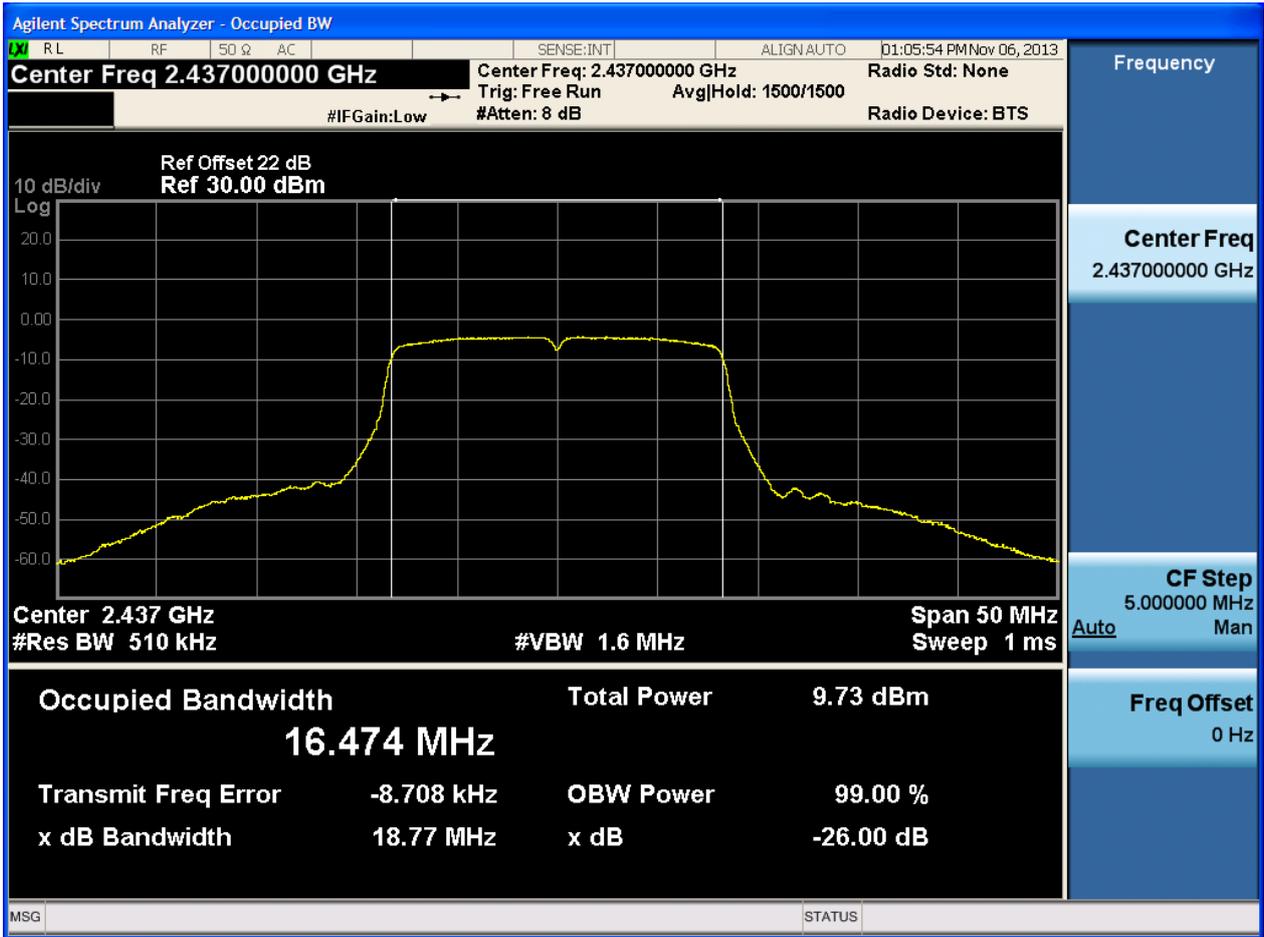
### 2.3 11B/1\_T@1



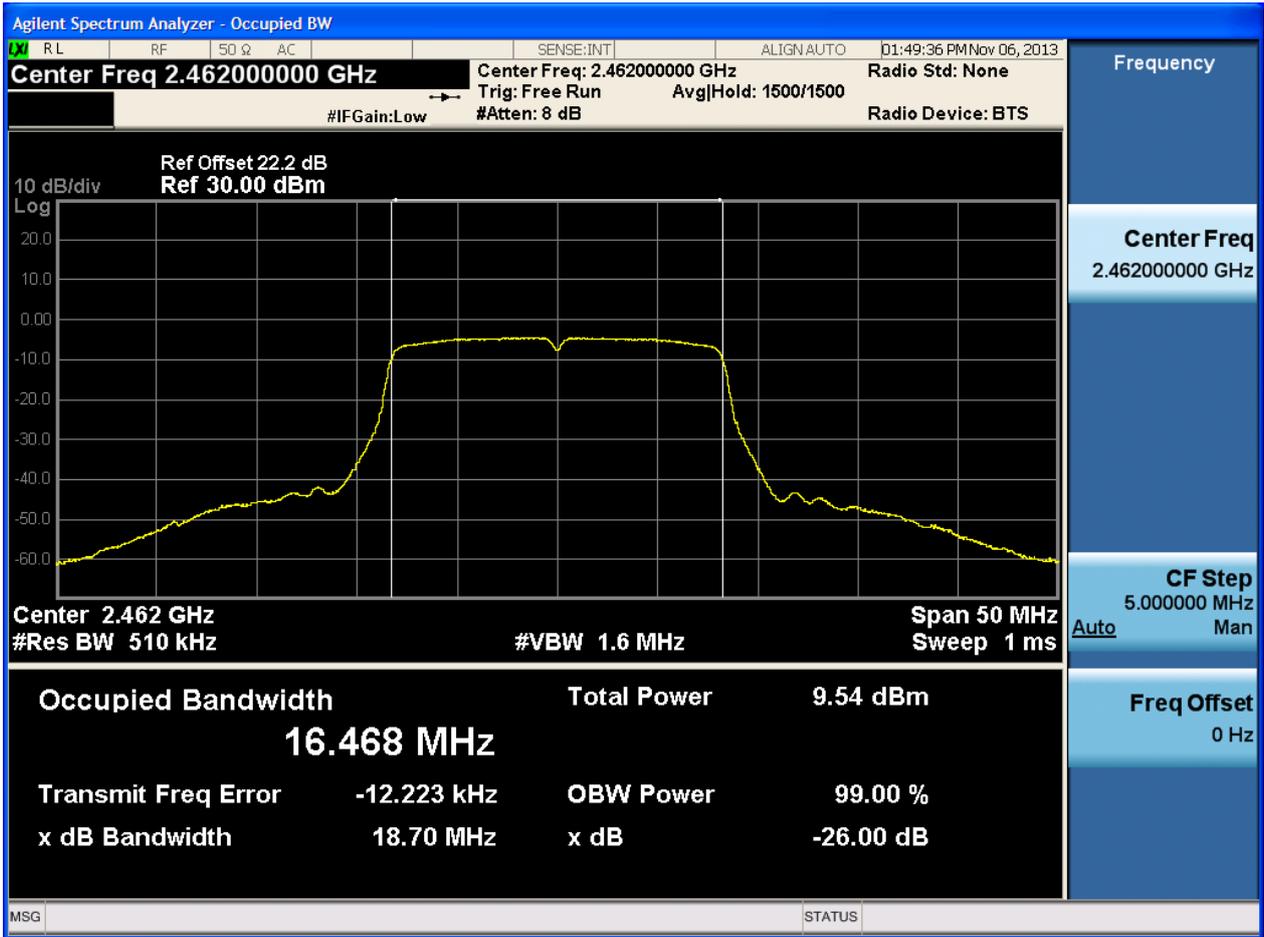
## 2.4 11G/6\_B@1



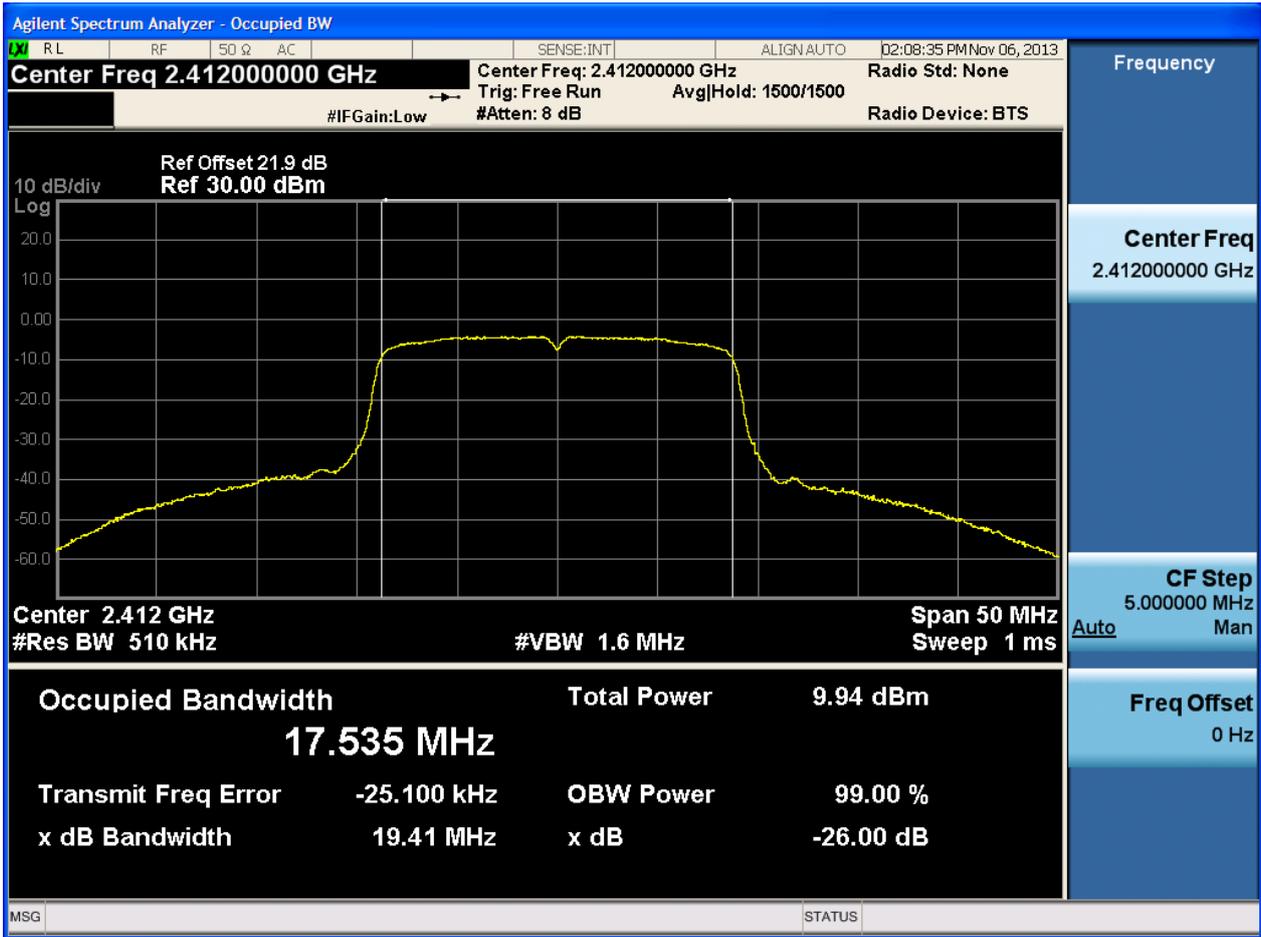
2.5 11G/6\_M@1



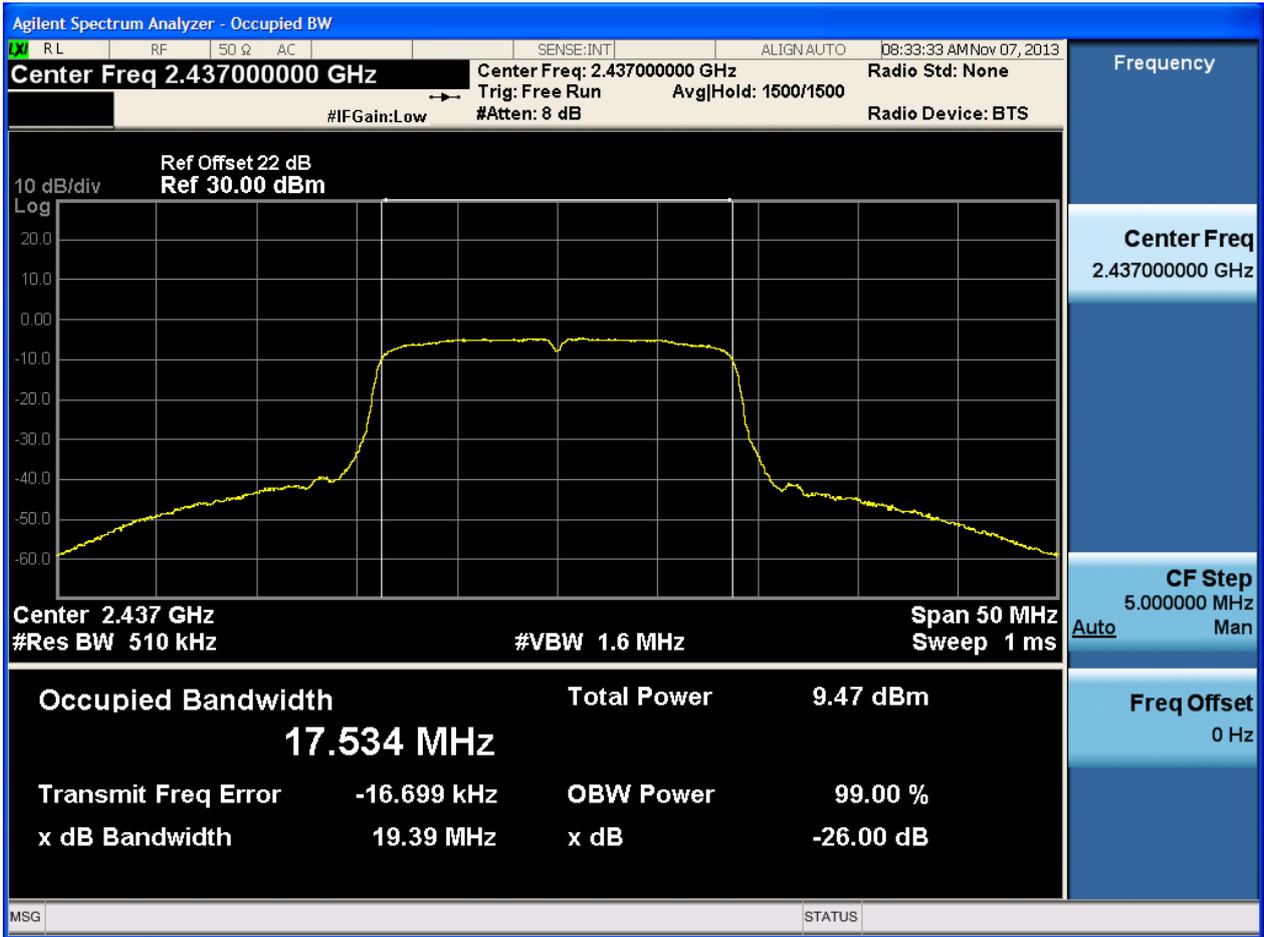
2.6 11G/6\_T@1



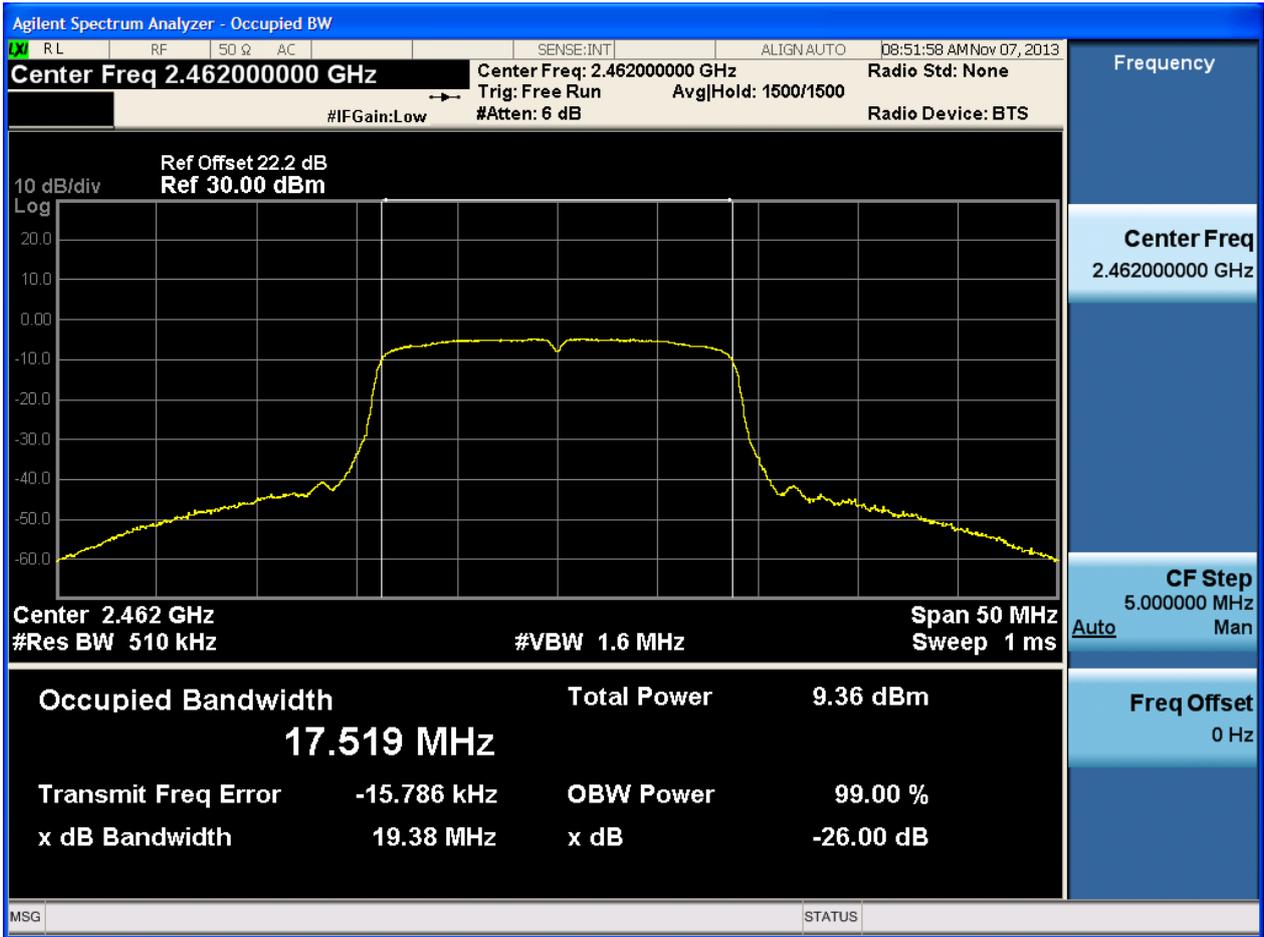
## 2.7 11N20/0\_B@1



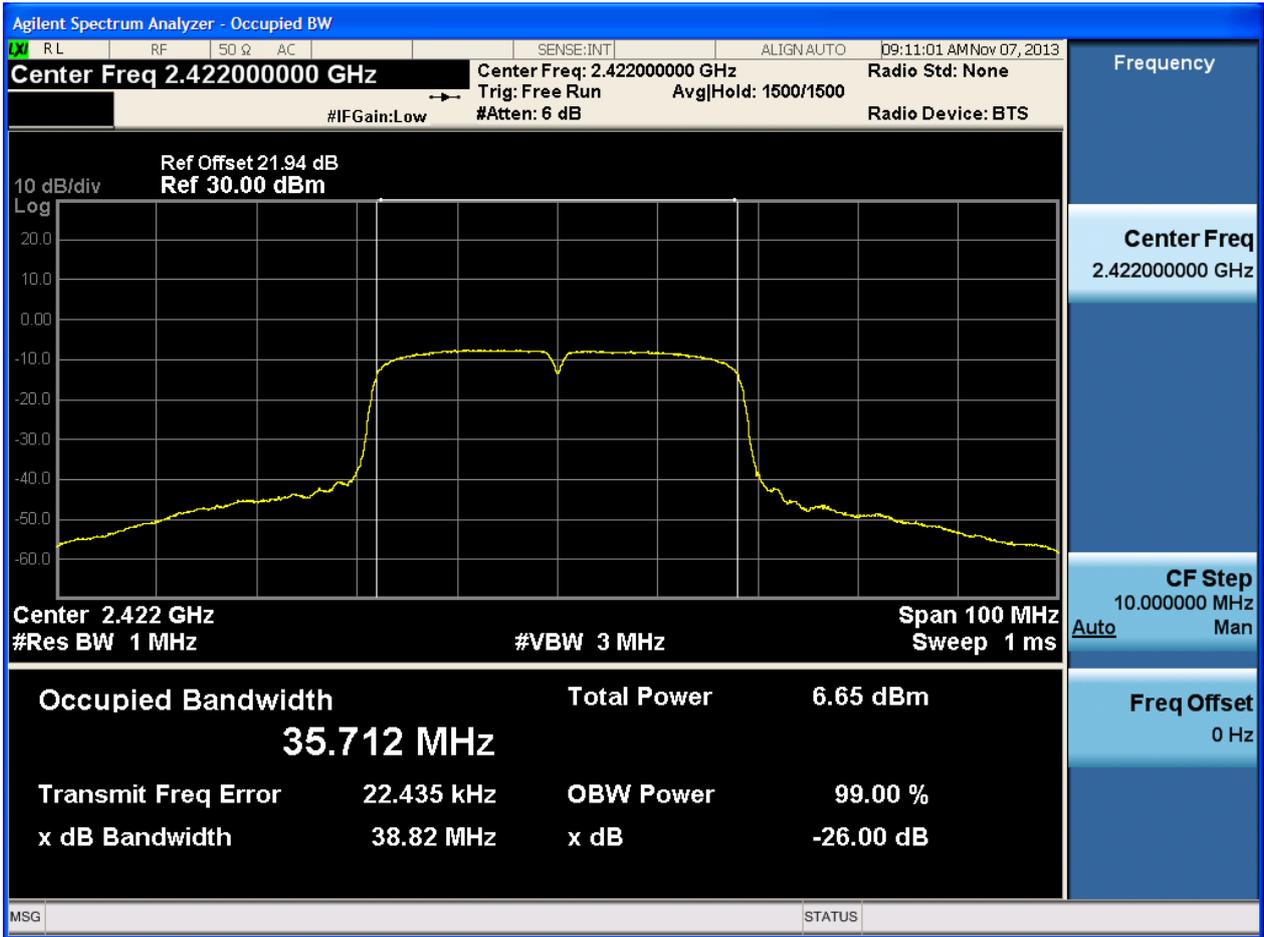
2.8 11N20/0\_M@1



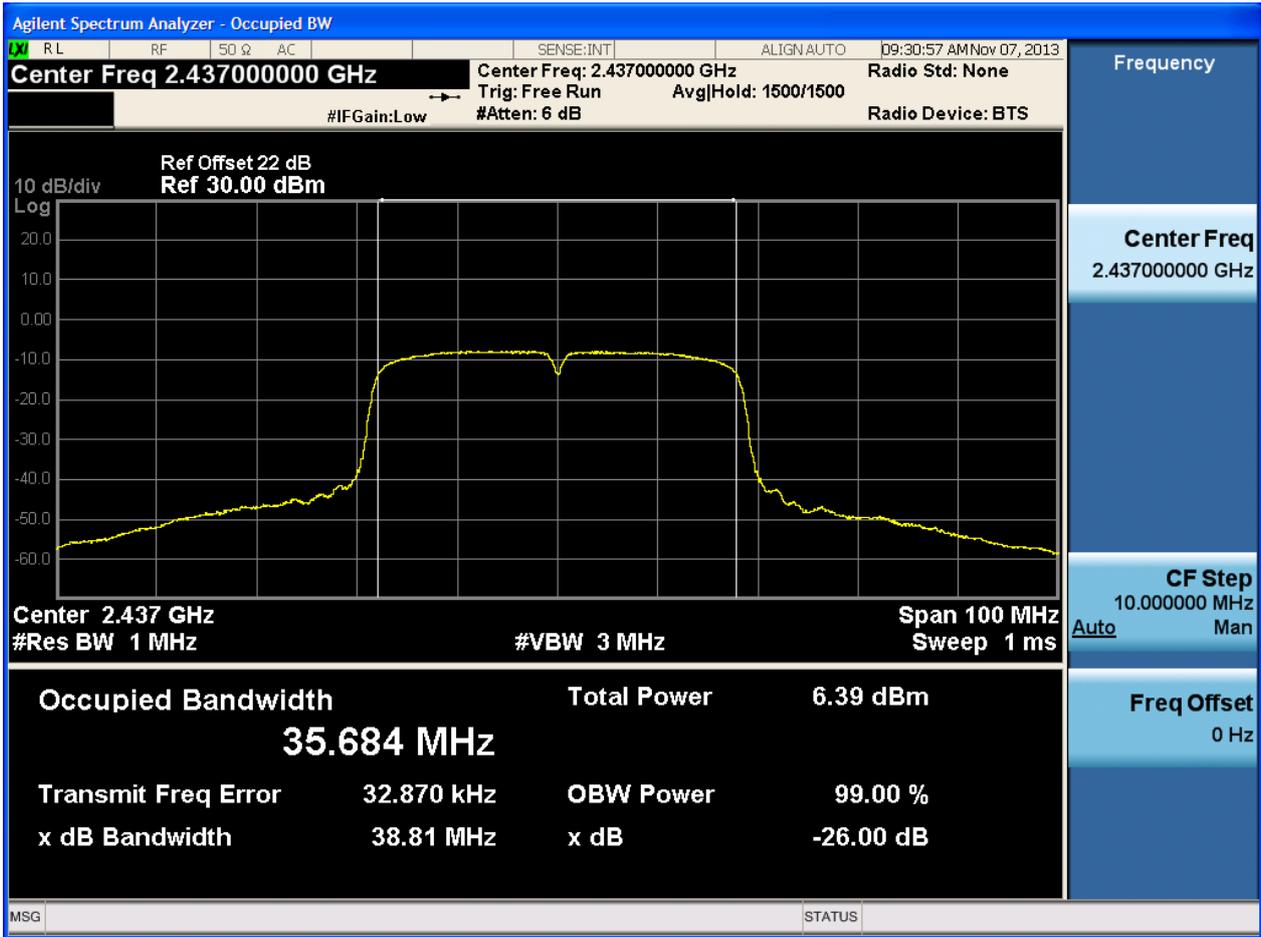
2.9 11N20/0\_T@1



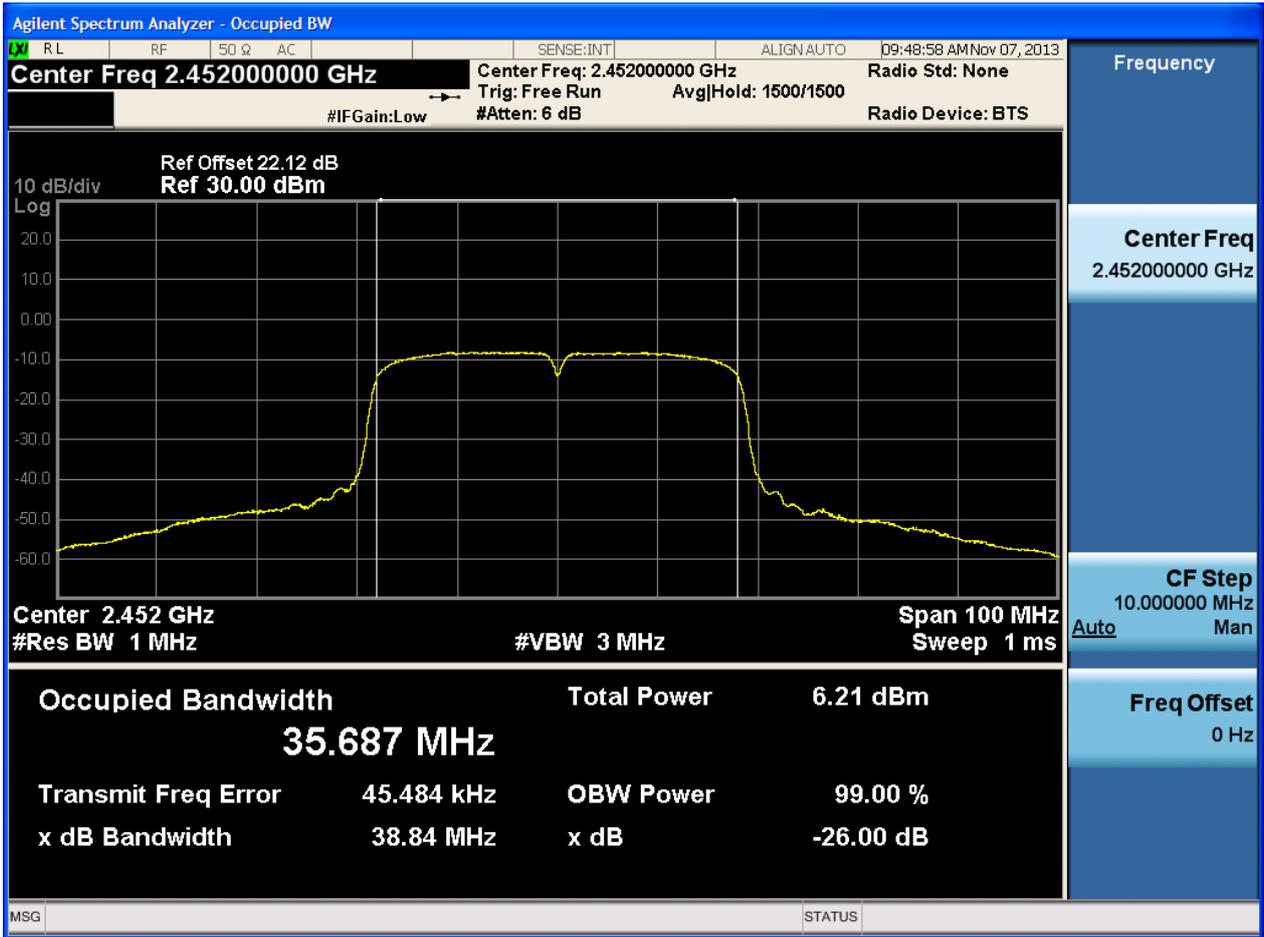
2.1011N40/0\_B@1



2.1111N40/0\_M@1



2.1211N40/0\_T@1





# Annex C: Maximum Peak Conducted Output Power



For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain (respectively as Ant 1, Ant 2, ..., Ant N) and then combined into the final result (as Ant Sum) to compare with the limit. The result for Ant Sum equals the linear power sum of results for Ant 1 to Ant N (the N denotes the antenna chains used by smart antenna systems).

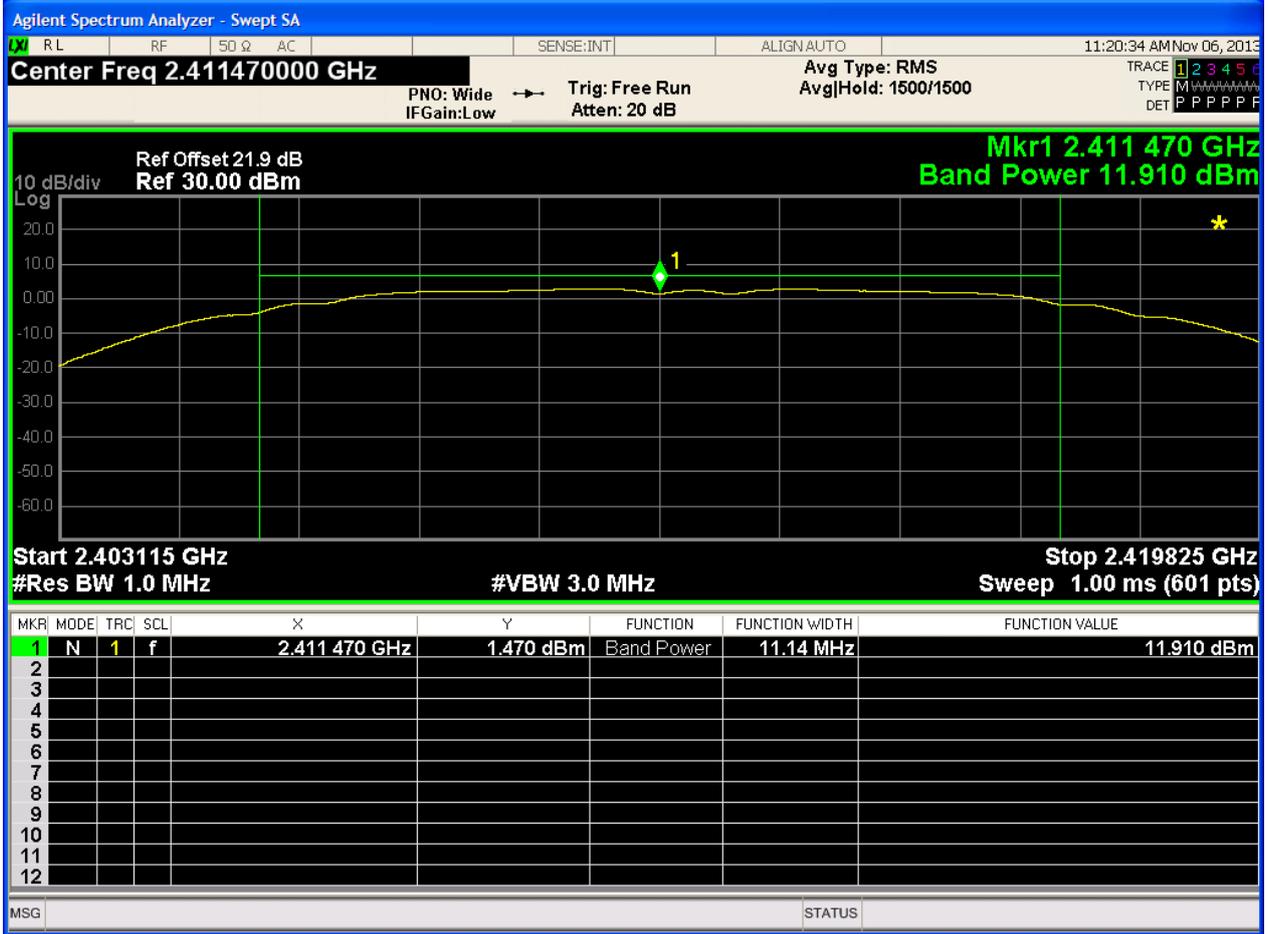
## 1 Result Table

EUT Conf.	Ant.	Maximum Peak Conducted Output Power [dBm]	Verdict
11B1-B-Ant1	Ant 1	11.91	Pass
11B1-M-Ant1	Ant 1	11.32	Pass
11B1-T-Ant1	Ant 1	11.3	Pass
11G6-B-Ant1	Ant 1	18.52	Pass
11G6-M-Ant1	Ant 1	18.06	Pass
11G6-T-Ant1	Ant 1	18	Pass
11N0-20B-Ant1	Ant 1	18.37	Pass
11N0-20M-Ant1	Ant 1	18.39	Pass
11N0-20T-Ant1	Ant 1	17.63	Pass
11N0-40B-Ant1	Ant 1	16.04	Pass
11N0-40M-Ant1	Ant 1	15.83	Pass
11N0-40T-Ant1	Ant 1	15.75	Pass

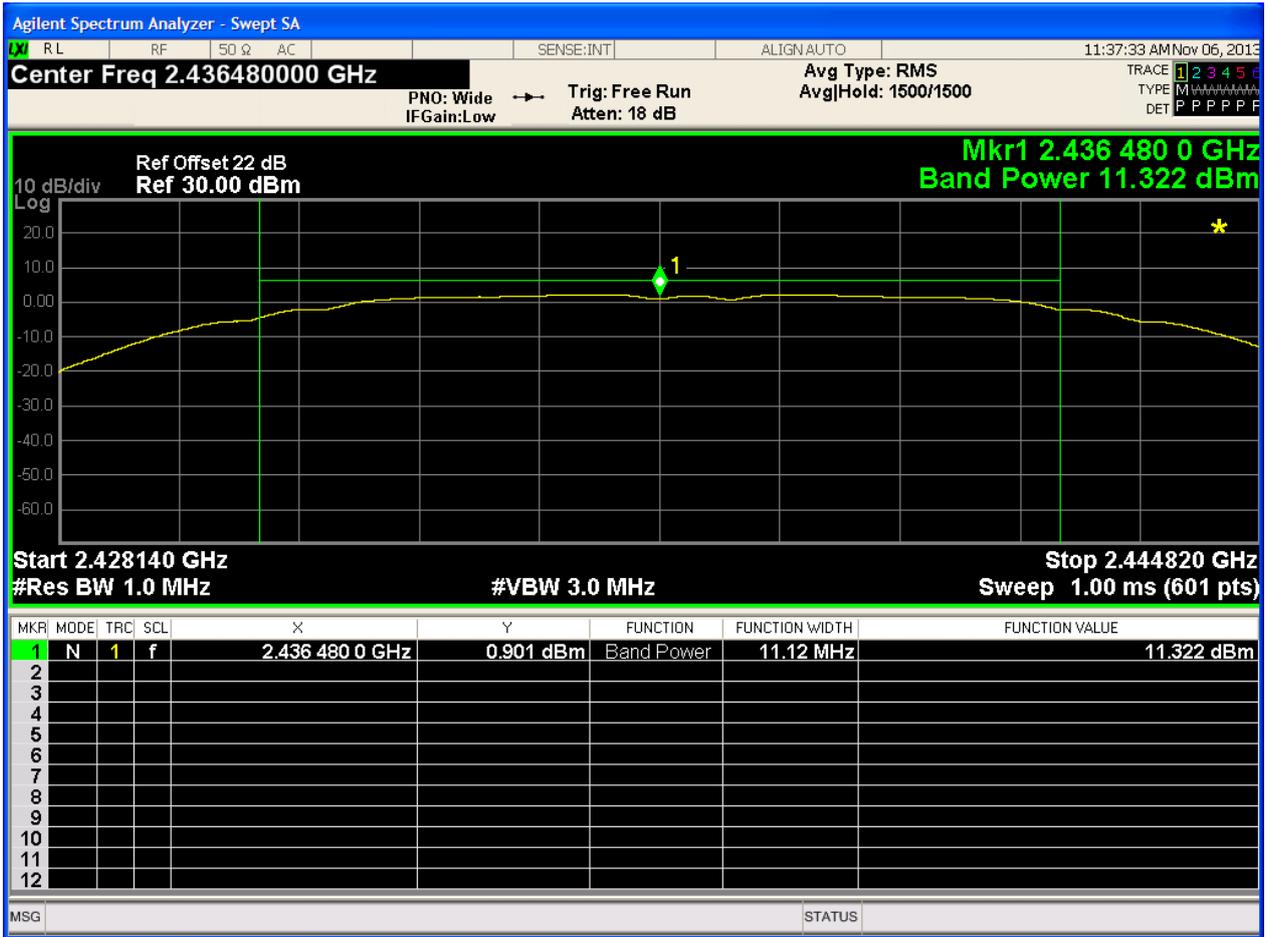


## 2 Test Plot

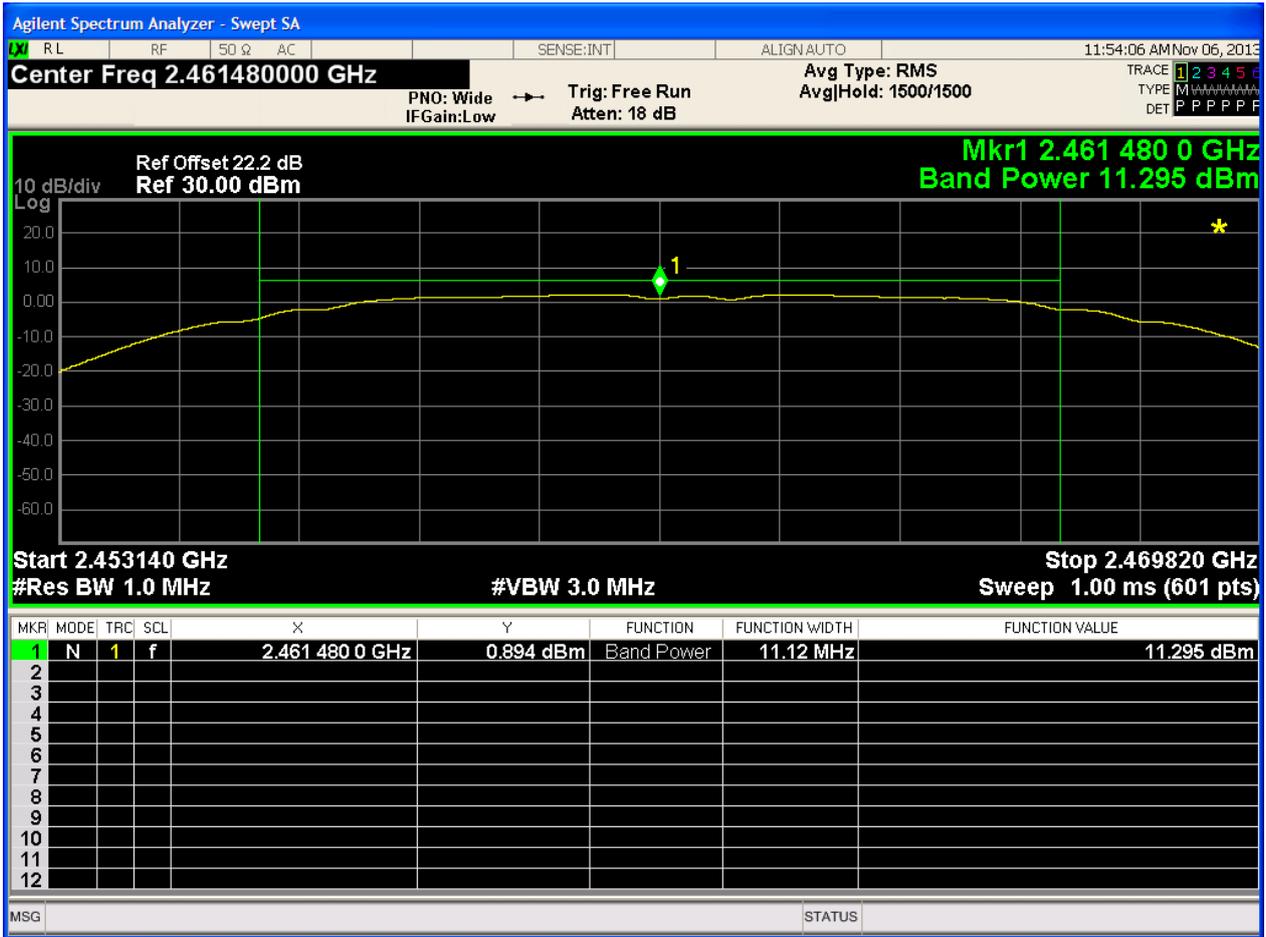
### 2.1 11B/1\_B@1



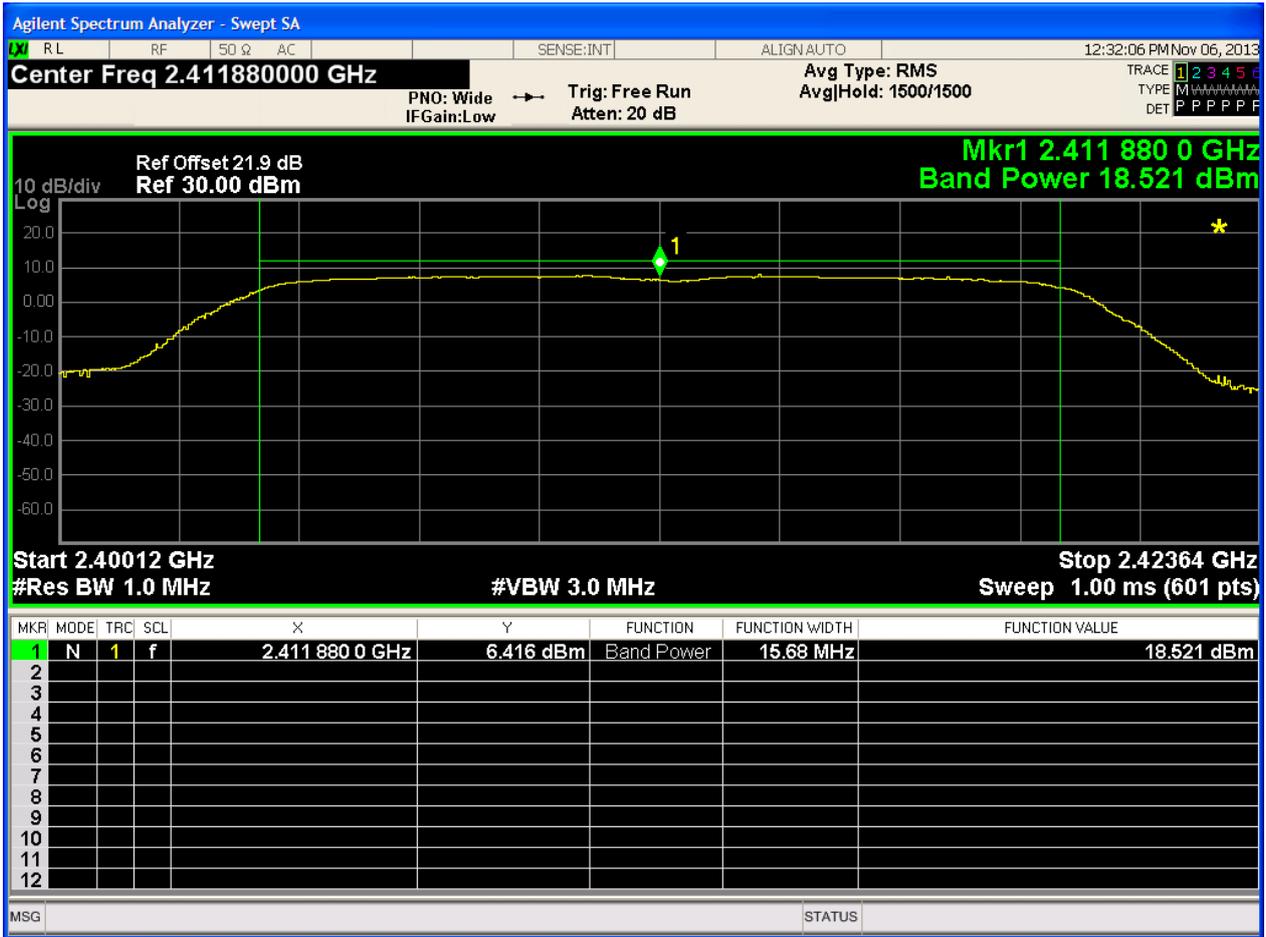
### 2.2 11B/1\_M@1



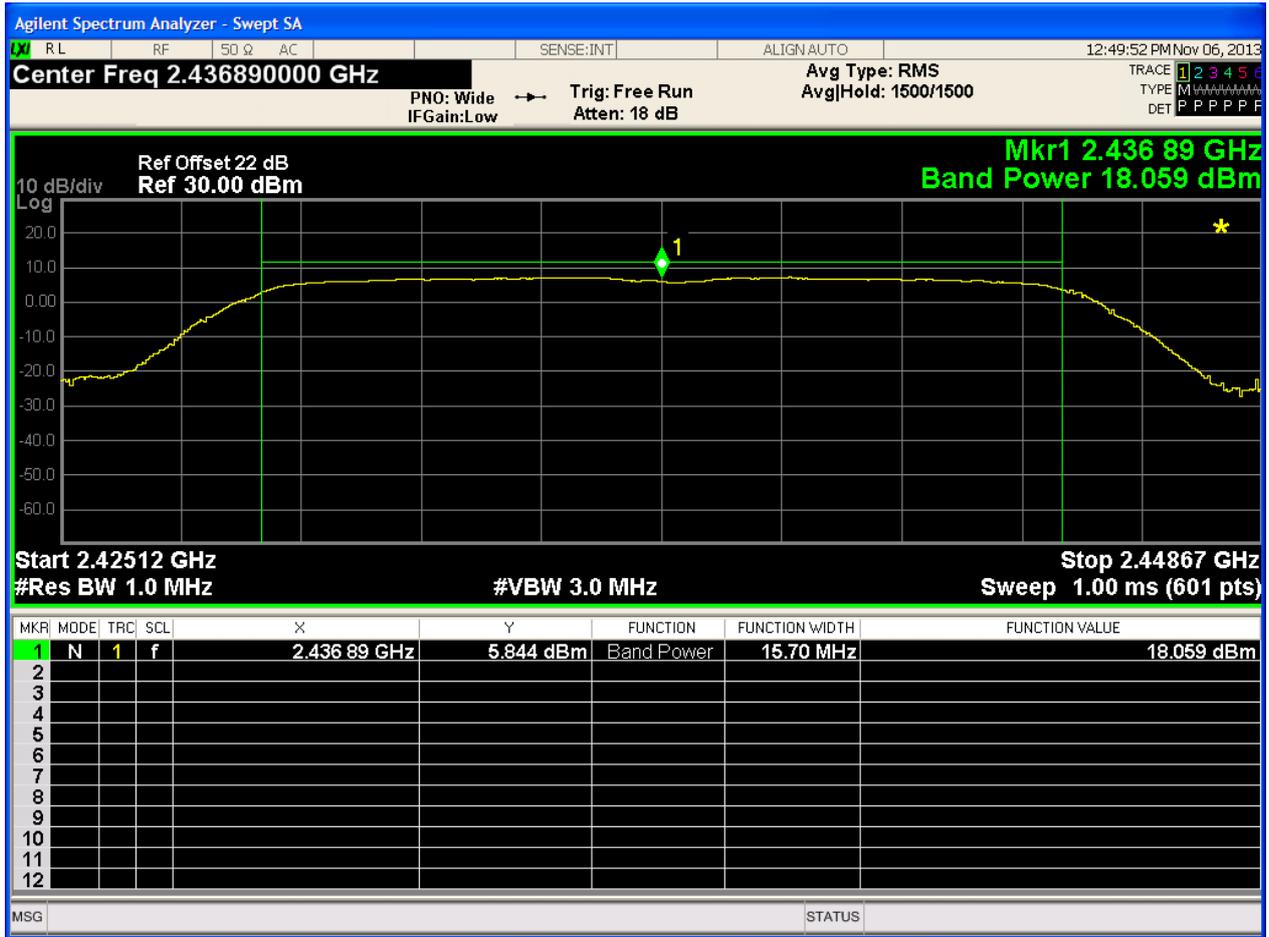
2.3 11B/1\_T@1



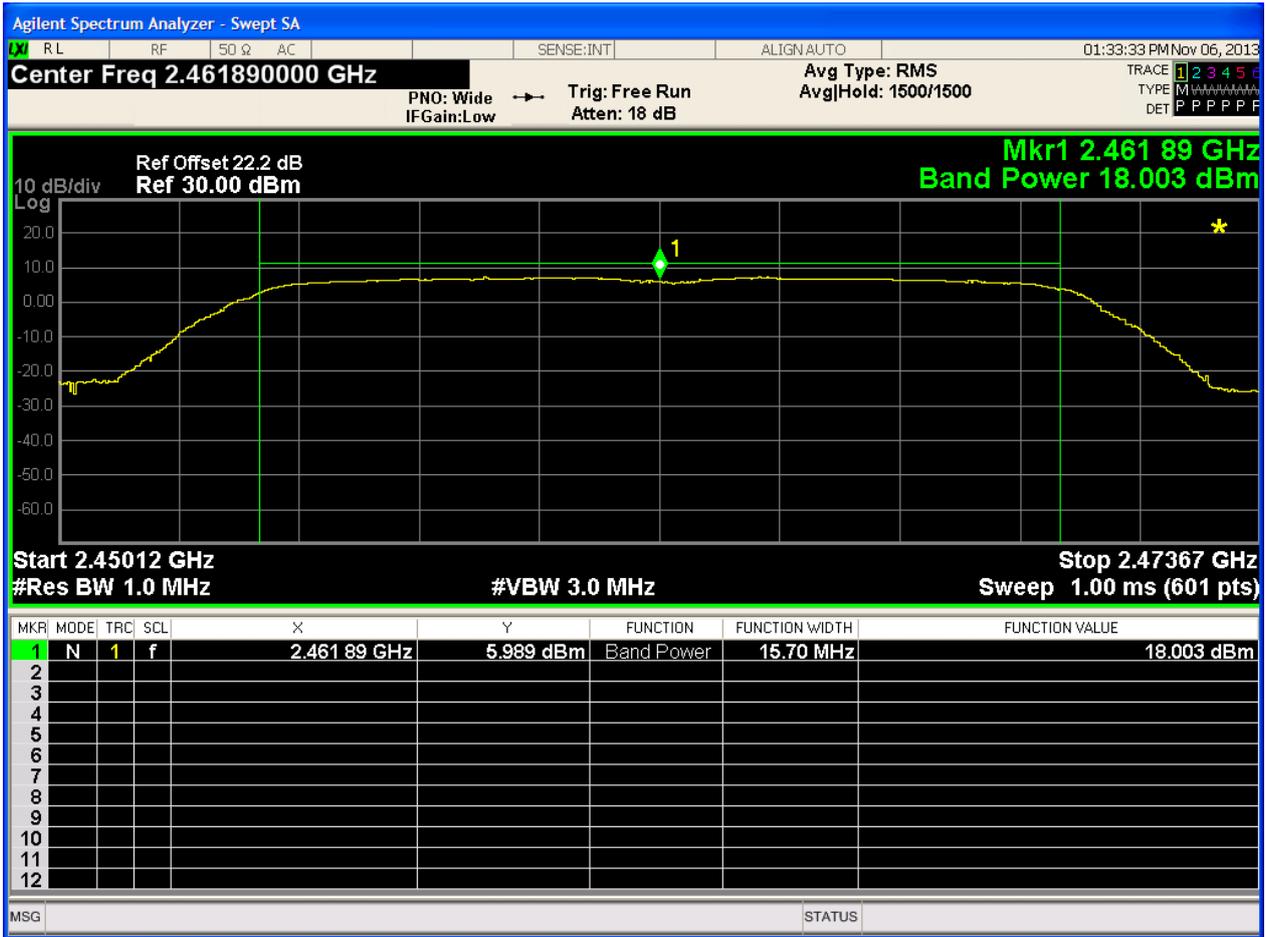
2.4 11G/6\_B@1



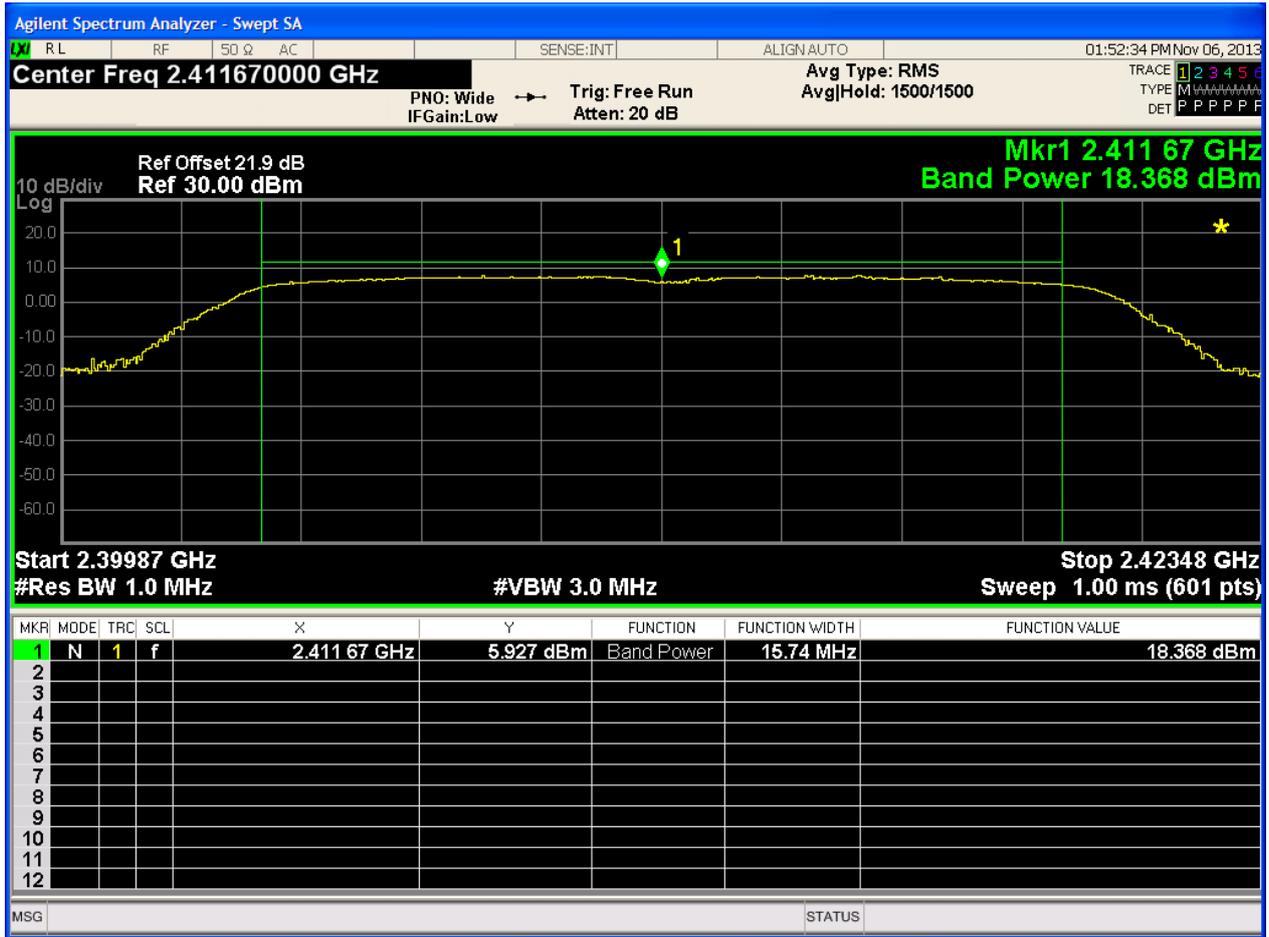
2.5 11G/6\_M@1



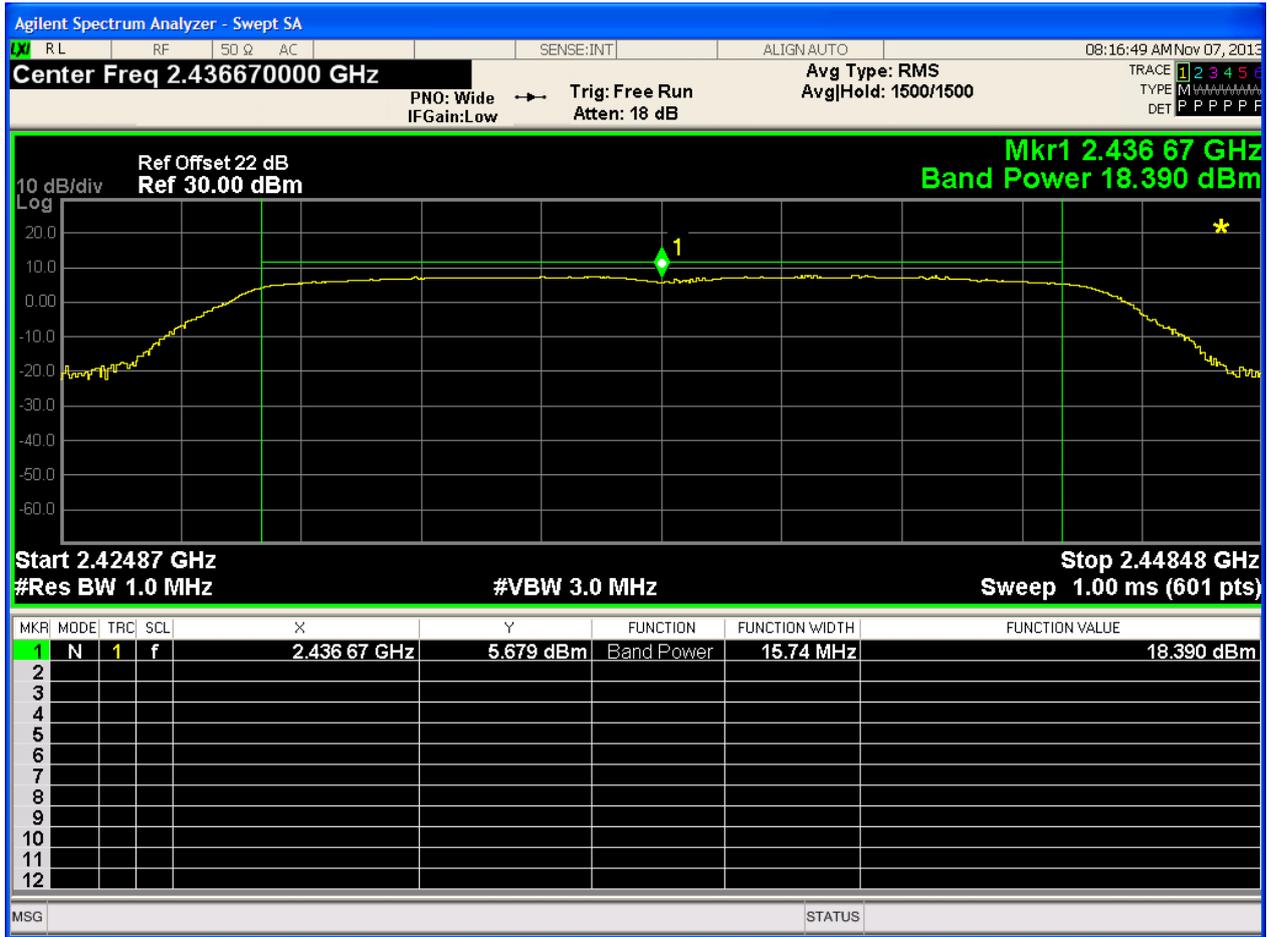
2.6 11G/6\_T@1



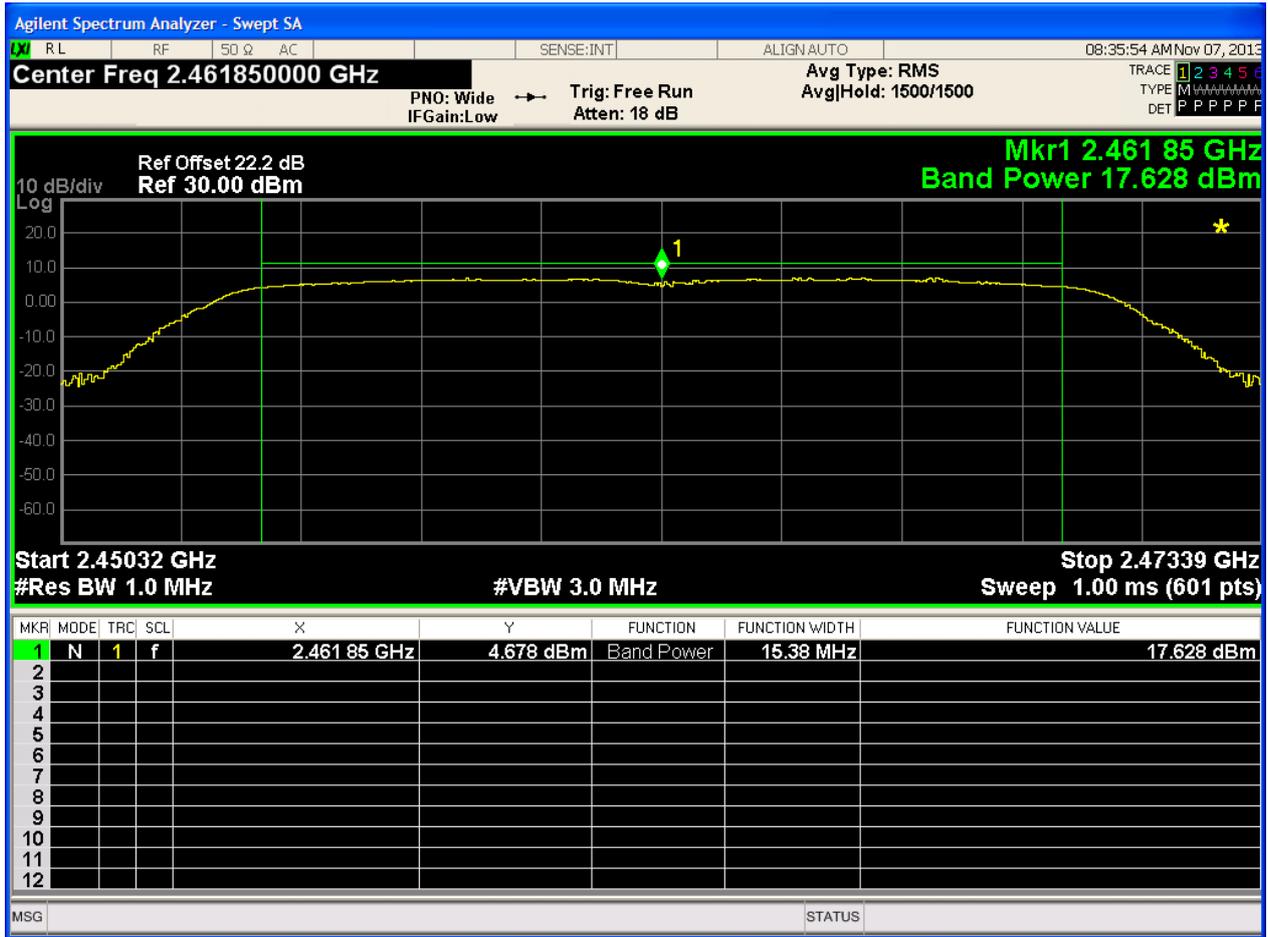
2.7 11N20/0\_B@1



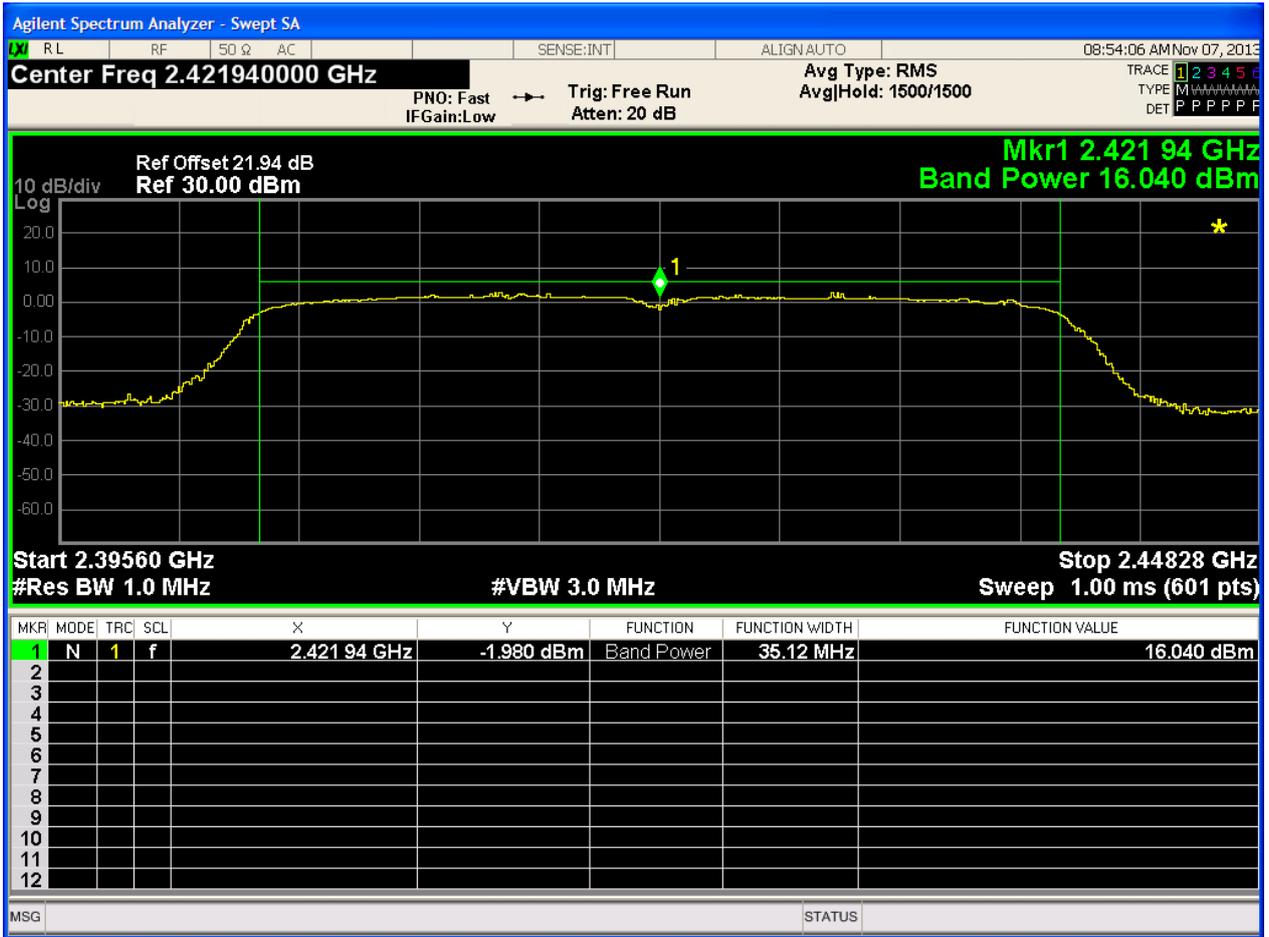
2.8 11N20/0\_M@1



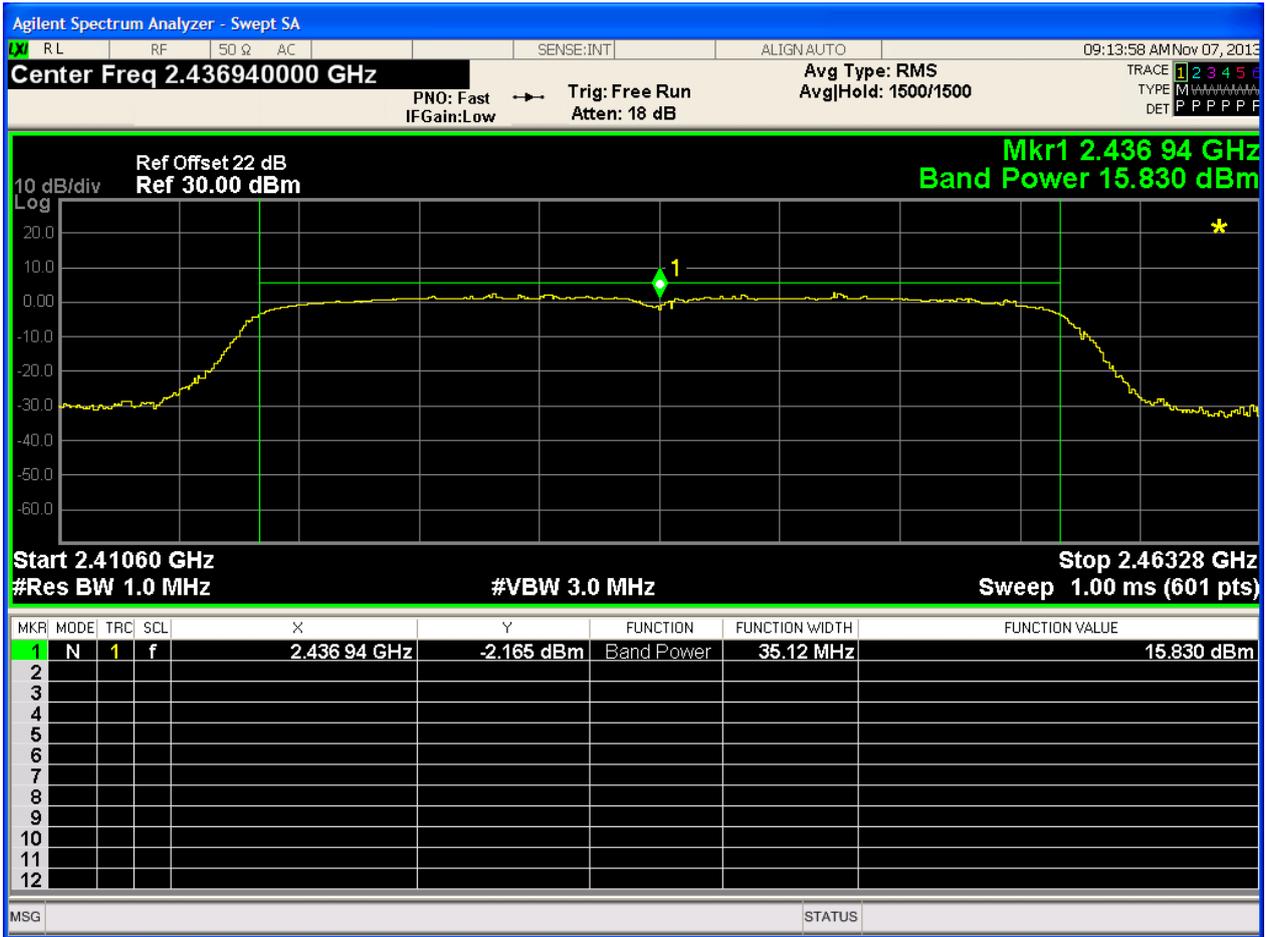
2.9 11N20/0\_T@1



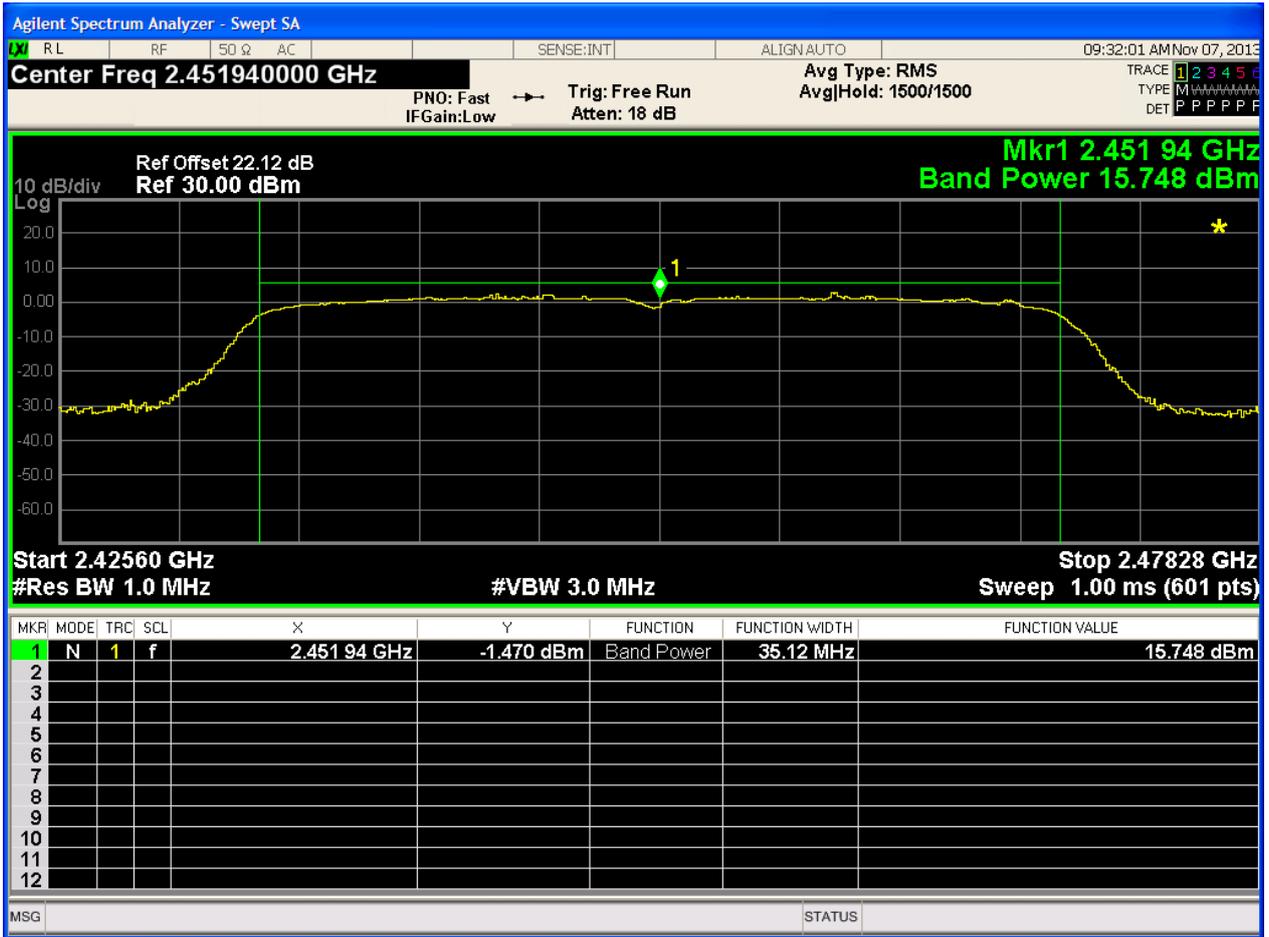
2.1011N40/0\_B@1



2.1111N40/0\_M@1



2.1211N40/0\_T@1





# Annex D: Maximum Power Spectral Density Level



For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain (respectively as Ant 1, Ant 2, ..., Ant N) and then combined into the final result (as Ant Sum) to compare with the limit. The result for Ant Sum equals the linear power sum of results for Ant 1 to Ant N (the N denotes the antenna chains used by smart antenna systems). NOTE that the method is a stringent but convenient consideration, because the measured maximum value for each chain may be located at different frequency occurrence. For the ultimate judgment, the combination of the final result (Trace Sum) should be performed frequency-by-frequency on the measured spectrum trace for each chain (Trace 1, Trace 2, ..., Trace N). Unless otherwise specified, the method for ultimate judgment will not be used.

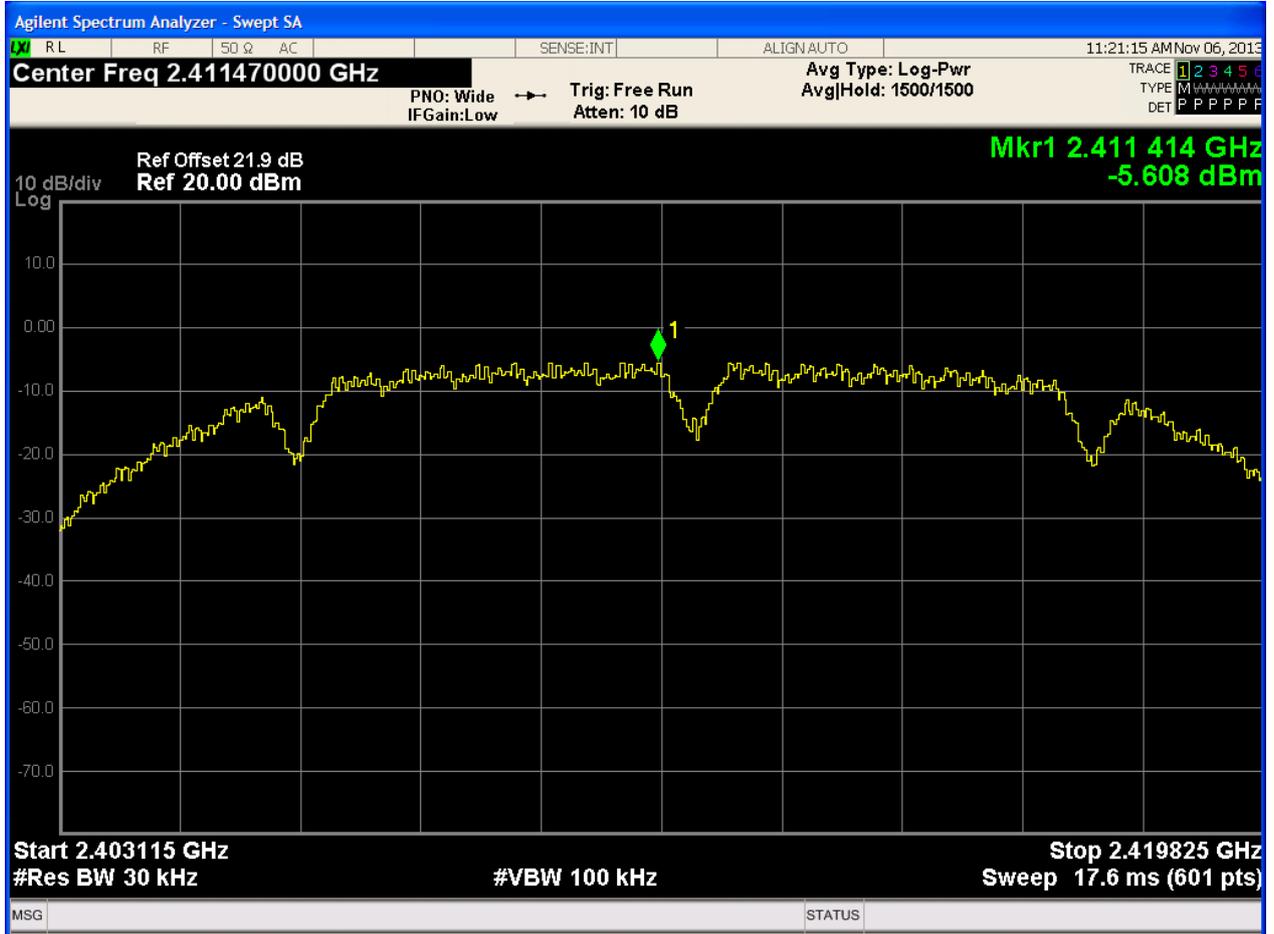
## 1 Result Table

EUT Conf.	Ant.	Maximum Power Spectral Density Level [dBm]	Verdict
11B1-B-Ant1	Ant 1	< -5.61	Pass
11B1-M-Ant1	Ant 1	< -6.13	Pass
11B1-T-Ant1	Ant 1	< -6.13	Pass
11G6-B-Ant1	Ant 1	< -4.44	Pass
11G6-M-Ant1	Ant 1	< -4.92	Pass
11G6-T-Ant1	Ant 1	< -4.45	Pass
11N0-20B-Ant1	Ant 1	< -4.38	Pass
11N0-20M-Ant1	Ant 1	< -4.59	Pass
11N0-20T-Ant1	Ant 1	< -4.59	Pass
11N0-40B-Ant1	Ant 1	< -10.36	Pass
11N0-40M-Ant1	Ant 1	< -10.85	Pass
11N0-40T-Ant1	Ant 1	< -10.62	Pass

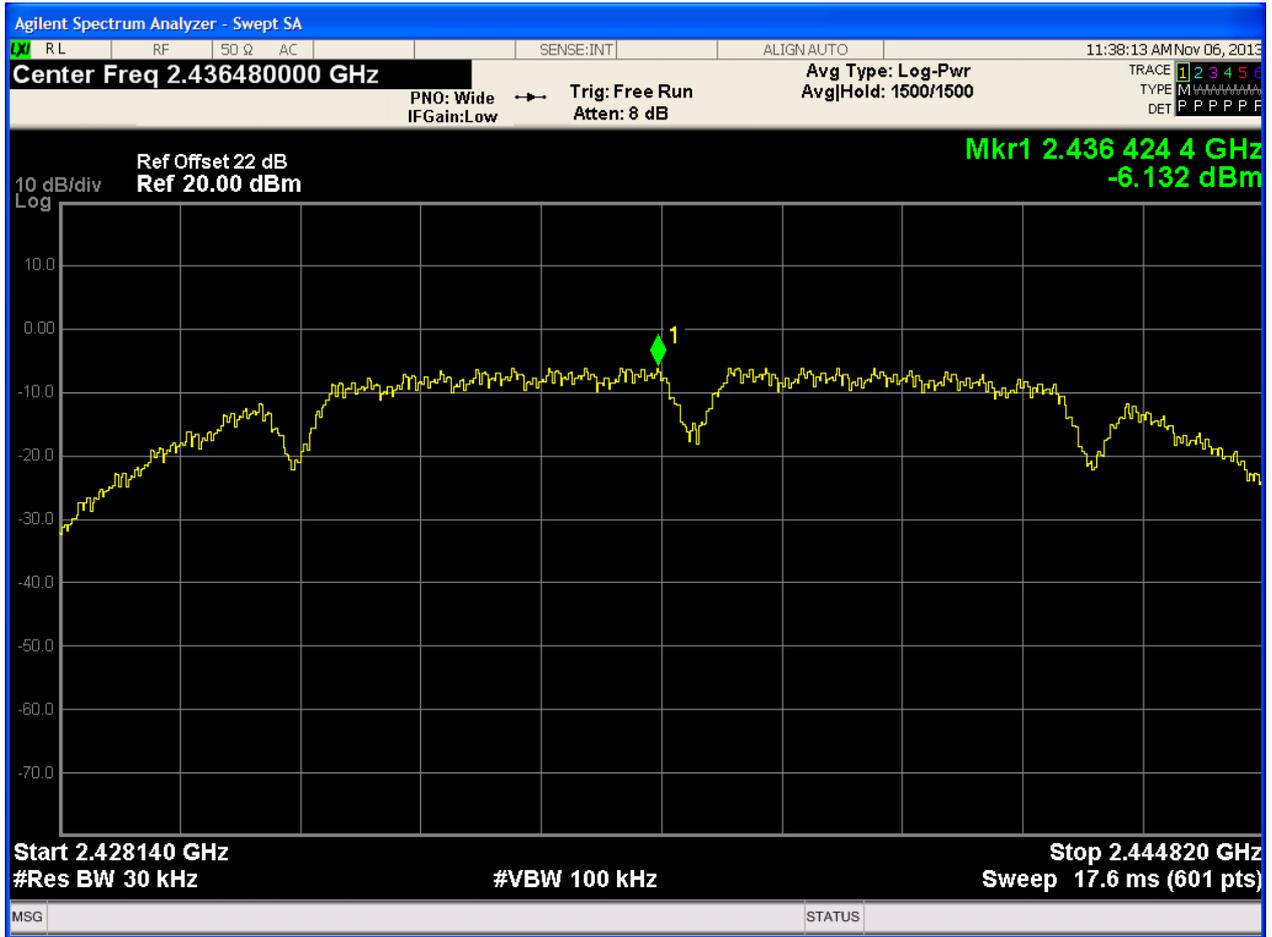


## 2 Test Plot

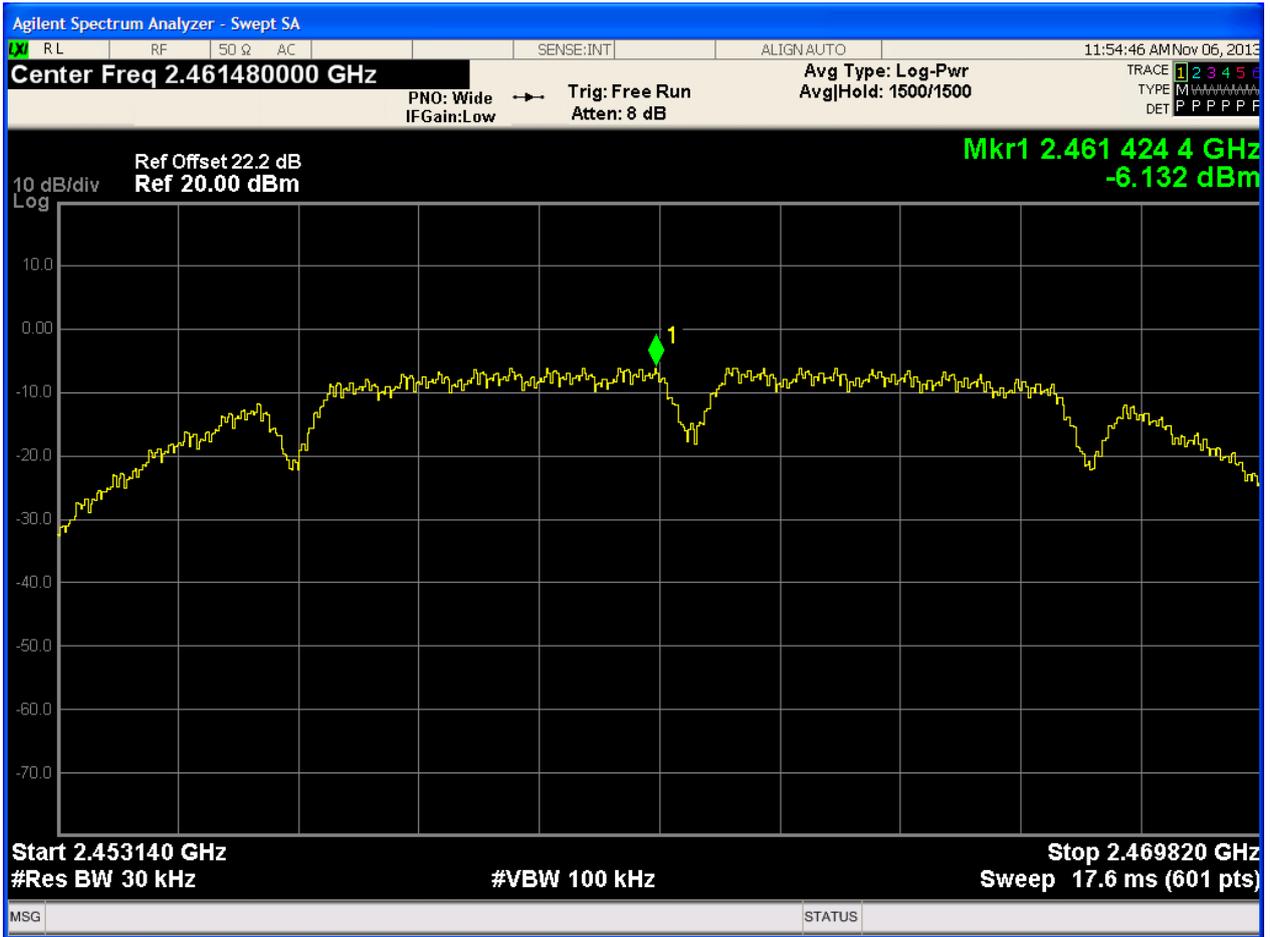
### 2.1 11B/1\_B@1



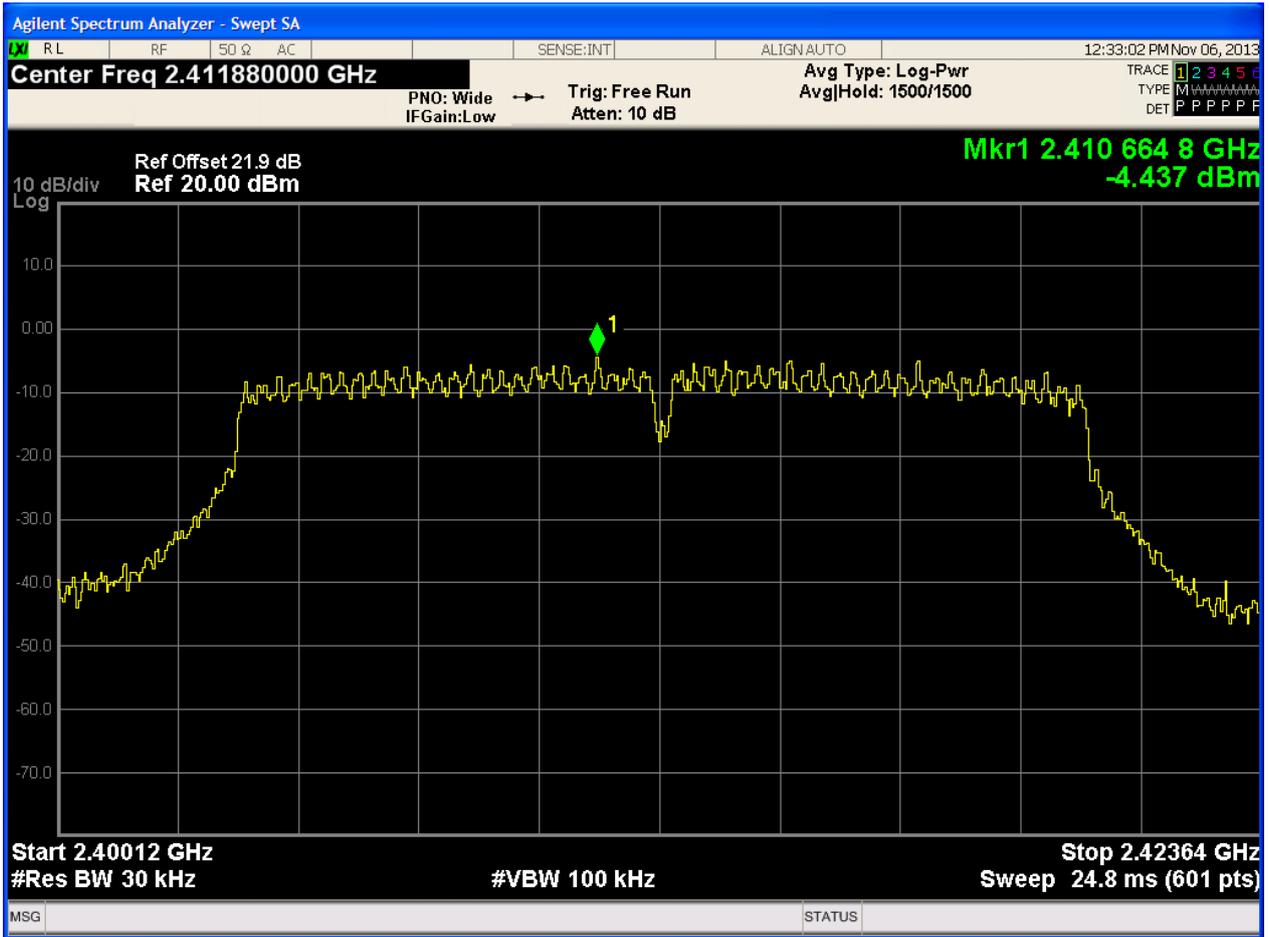
### 2.2 11B/1\_M@1



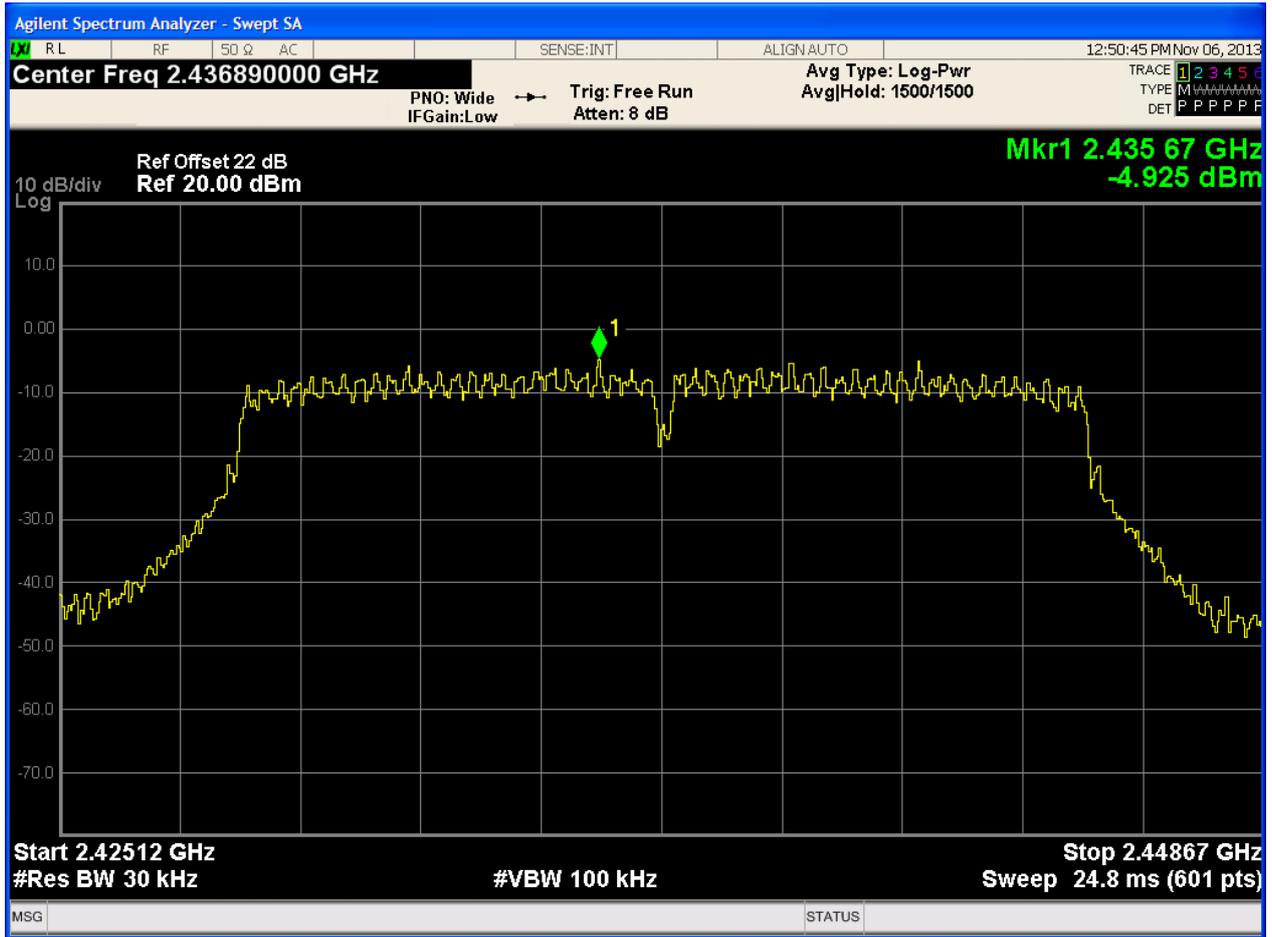
### 2.3 11B/1\_T@1



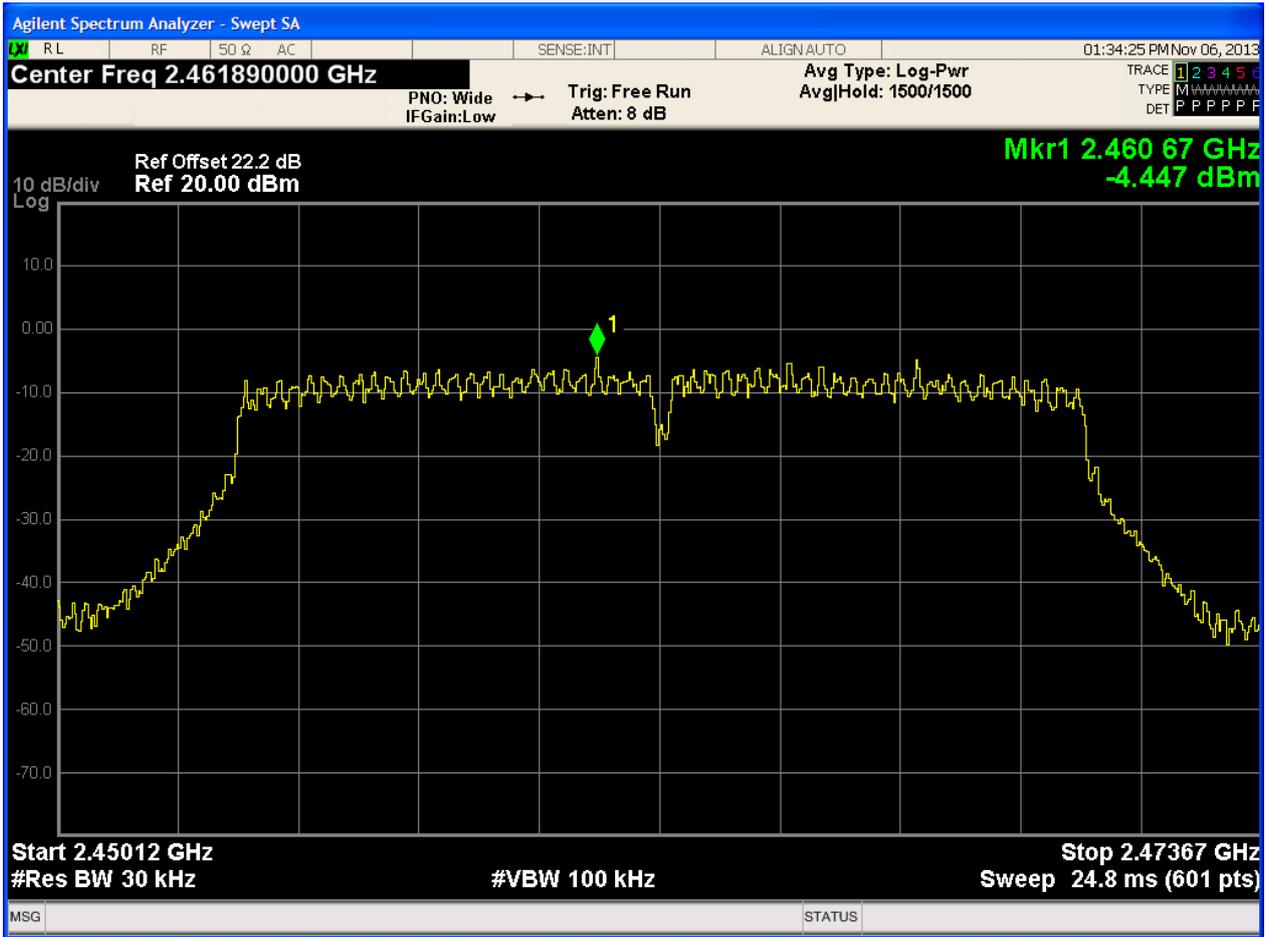
## 2.4 11G/6\_B@1



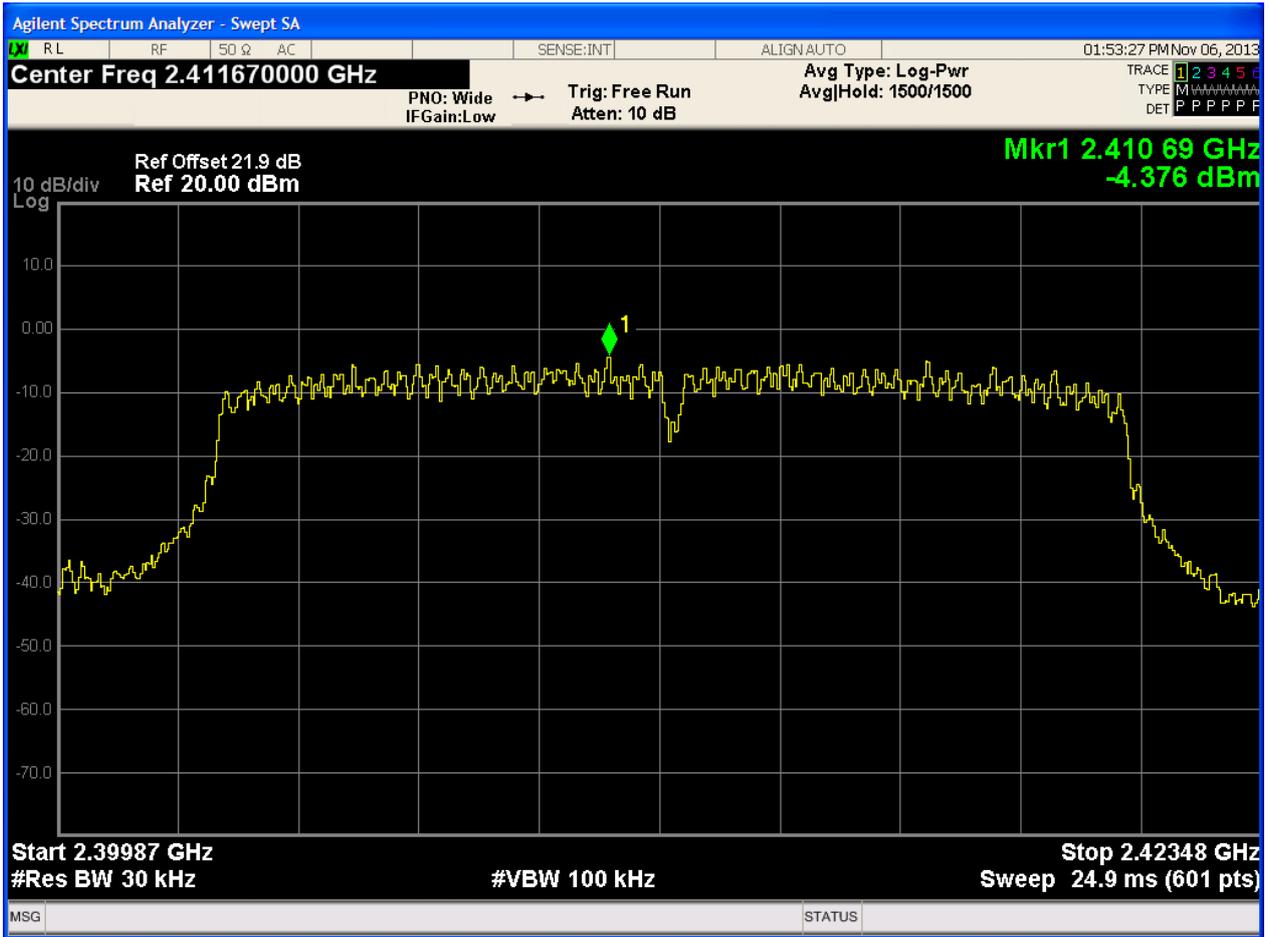
## 2.5 11G/6\_M@1



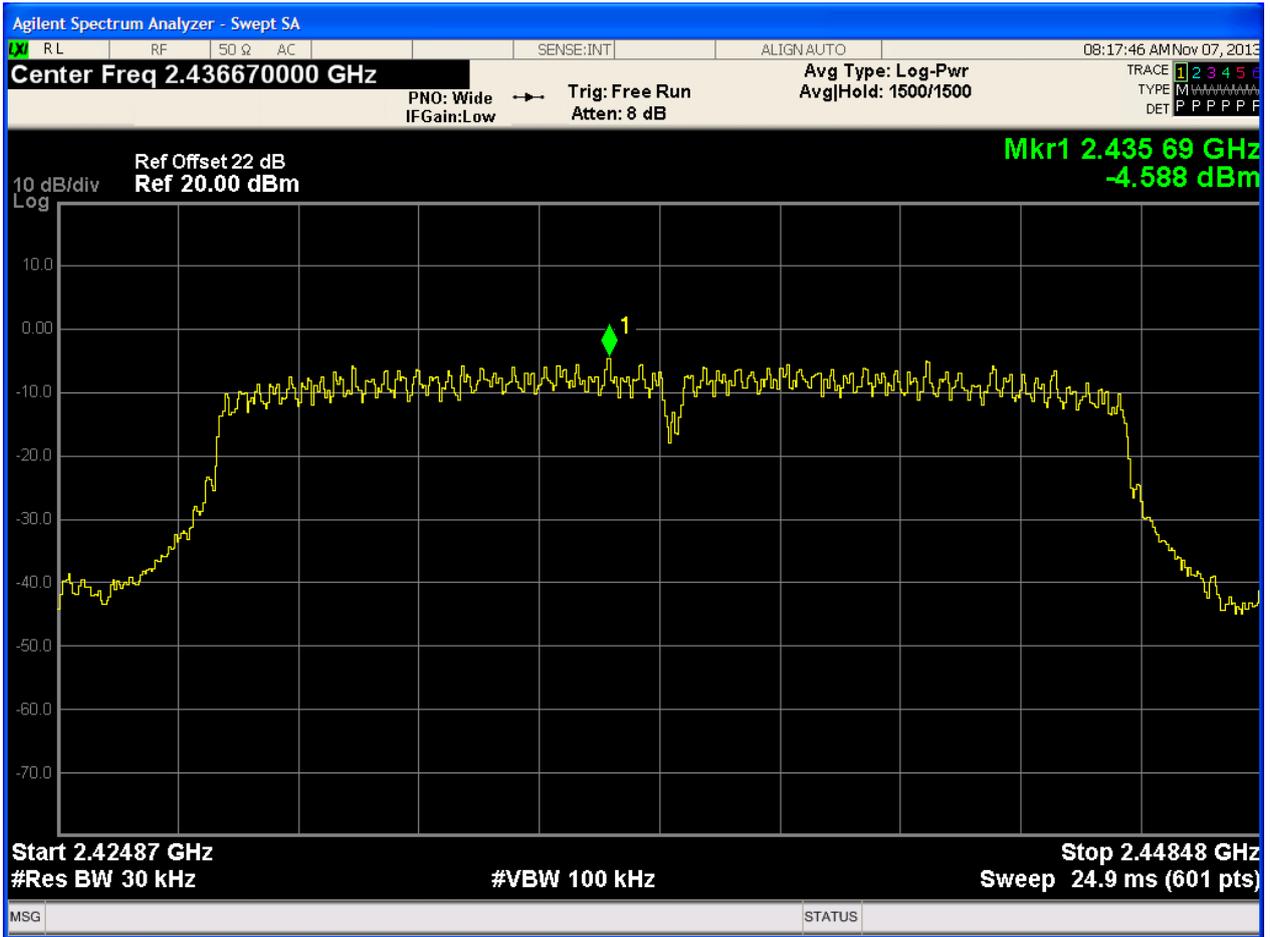
## 2.6 11G/6\_T@1



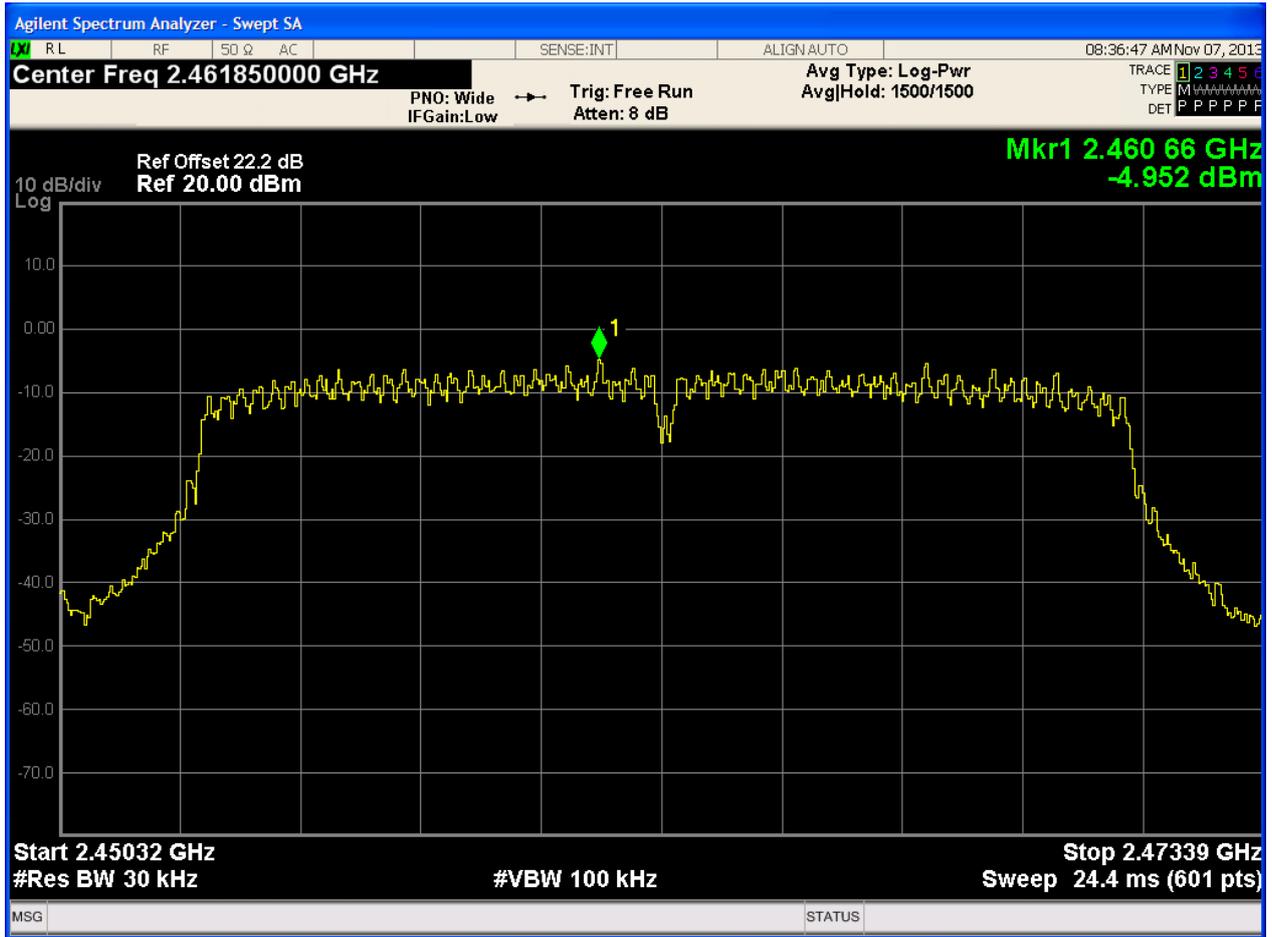
## 2.7 11N20/0\_B@1



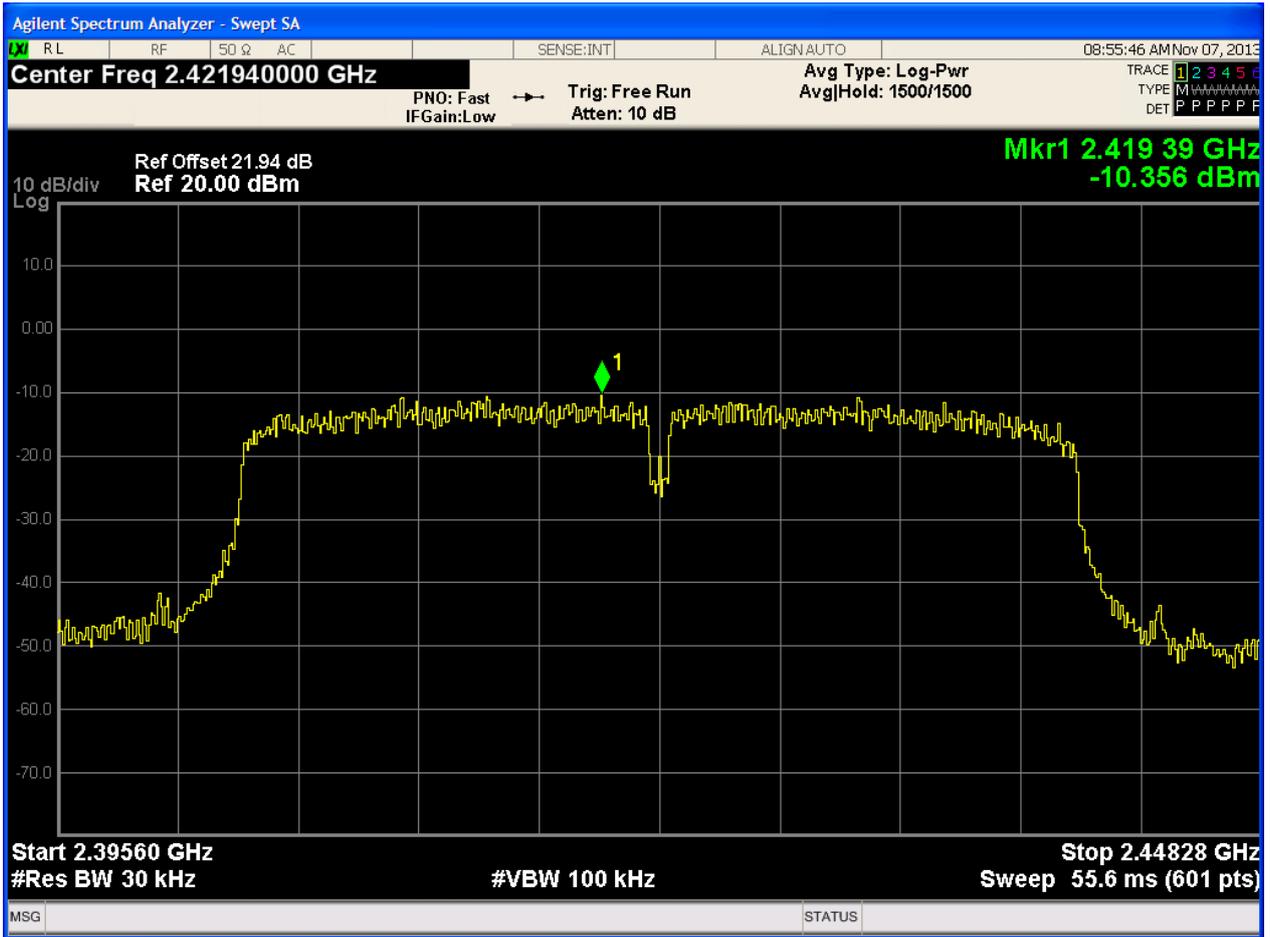
## 2.8 11N20/0\_M@1



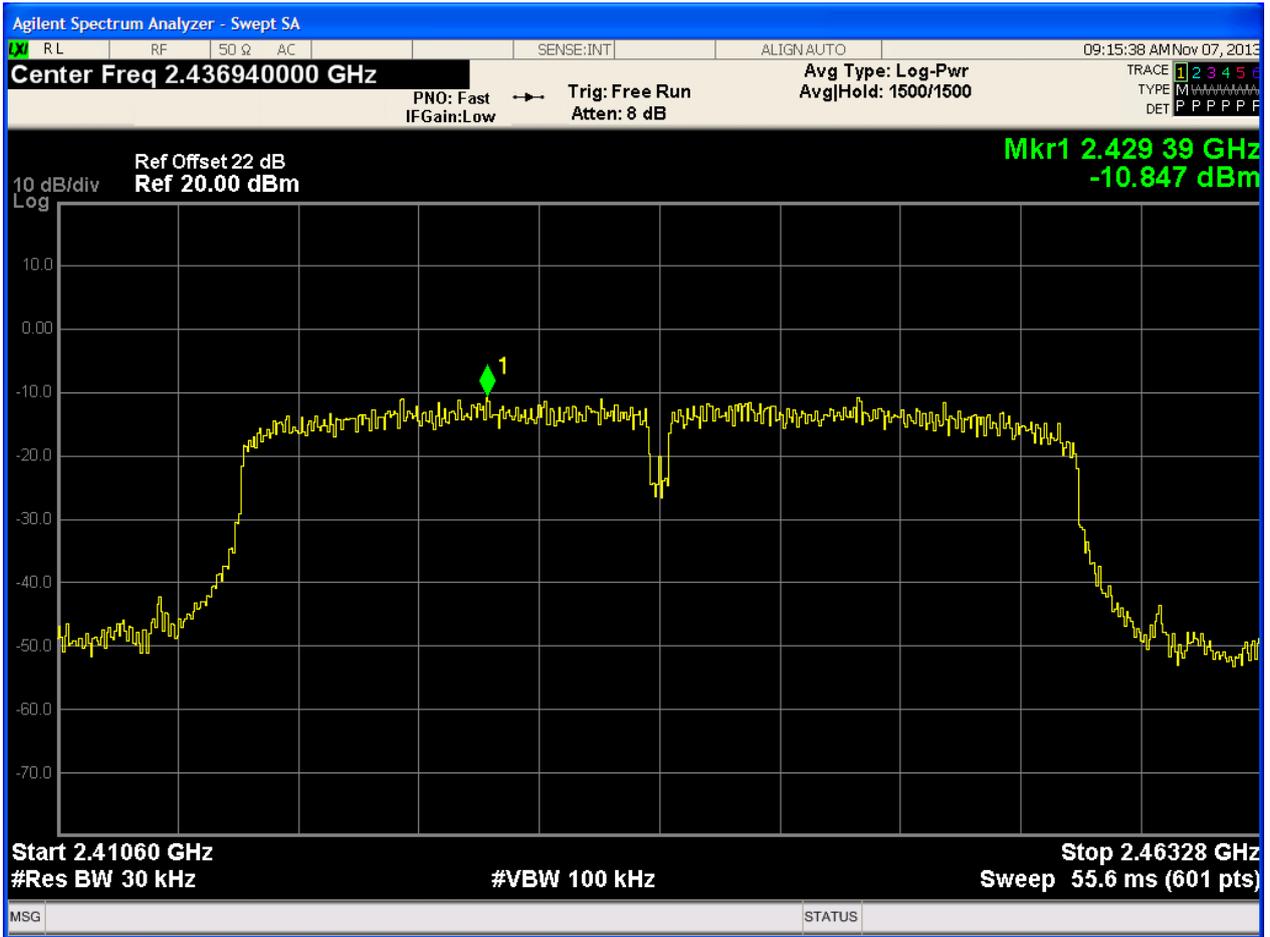
## 2.9 11N20/0\_T@1



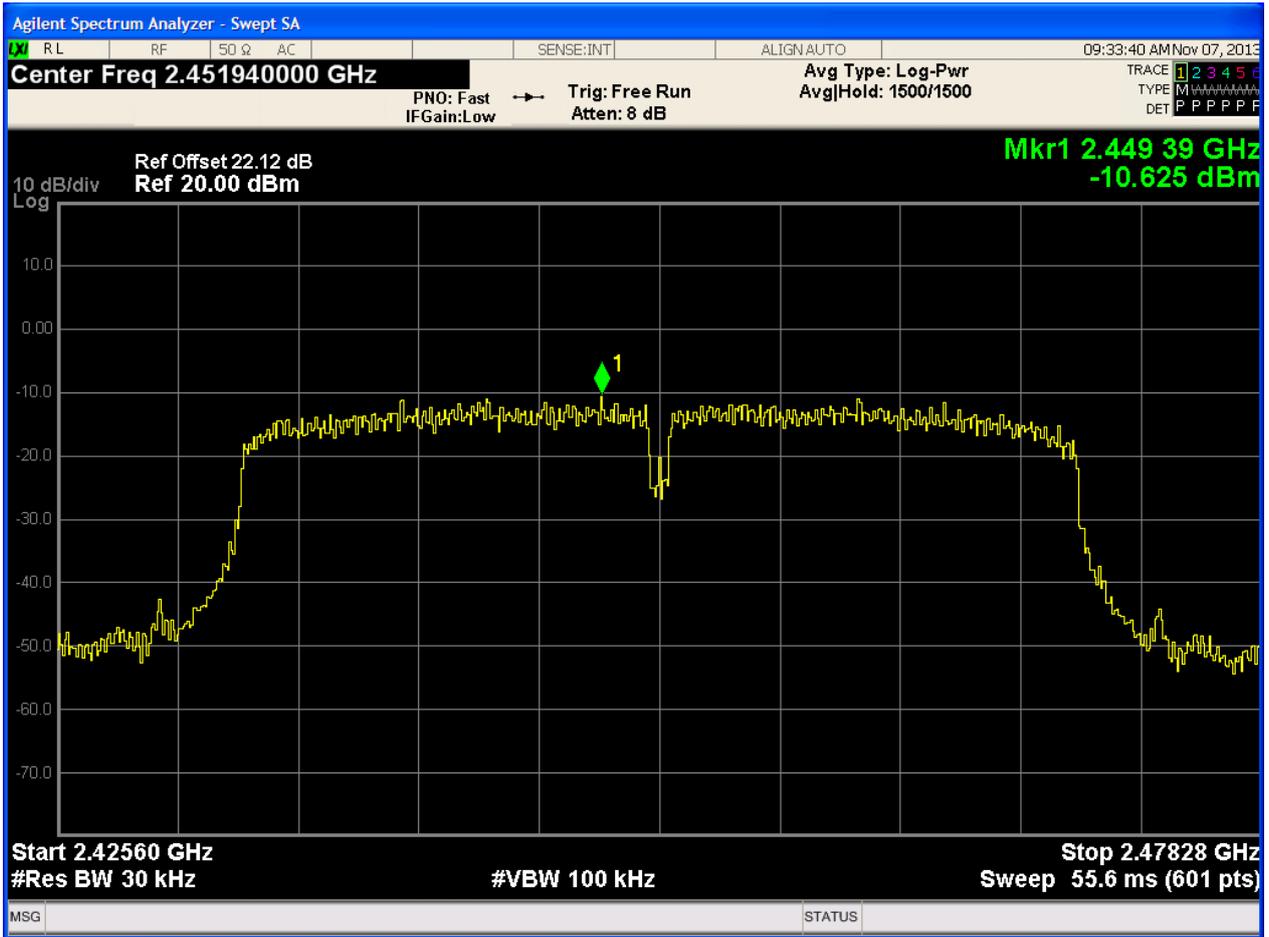
2.1011N40/0\_B@1



2.1111N40/0\_M@1



2.1211N40/0\_T@1





# **Annex E: Unwanted Emissions into Non-Restricted Frequency Bands**

In this Annex, the “Pref”, which is used as the reference level, refers to the peak power level in any 100 kHz bandwidth within the fundamental emission, the “Puw” refers to the maximum emission power in 100 kHz band segments outside of the authorized frequency band.

Considering that the higher ratio of RBW to the span for the frequency ranges below 30 MHz makes the results determination be complicated, a narrower RBW other than 100 kHz is used for these ranges. The measured value should add a RBW correction factor (RBWCF) where  $RBWCF [dB] = 10 \times \lg(100 [kHz]/\text{narrower RBW [kHz]})$ . As to this Annex, the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain and used as respective results for each chain, due to the relative-limit requirement.

In the result table, the “< Limit” denotes that “The Puw [dBm] is less than Pref [dBm] – 20 [dB], see test plots for detailed”.

## 1 Result Table

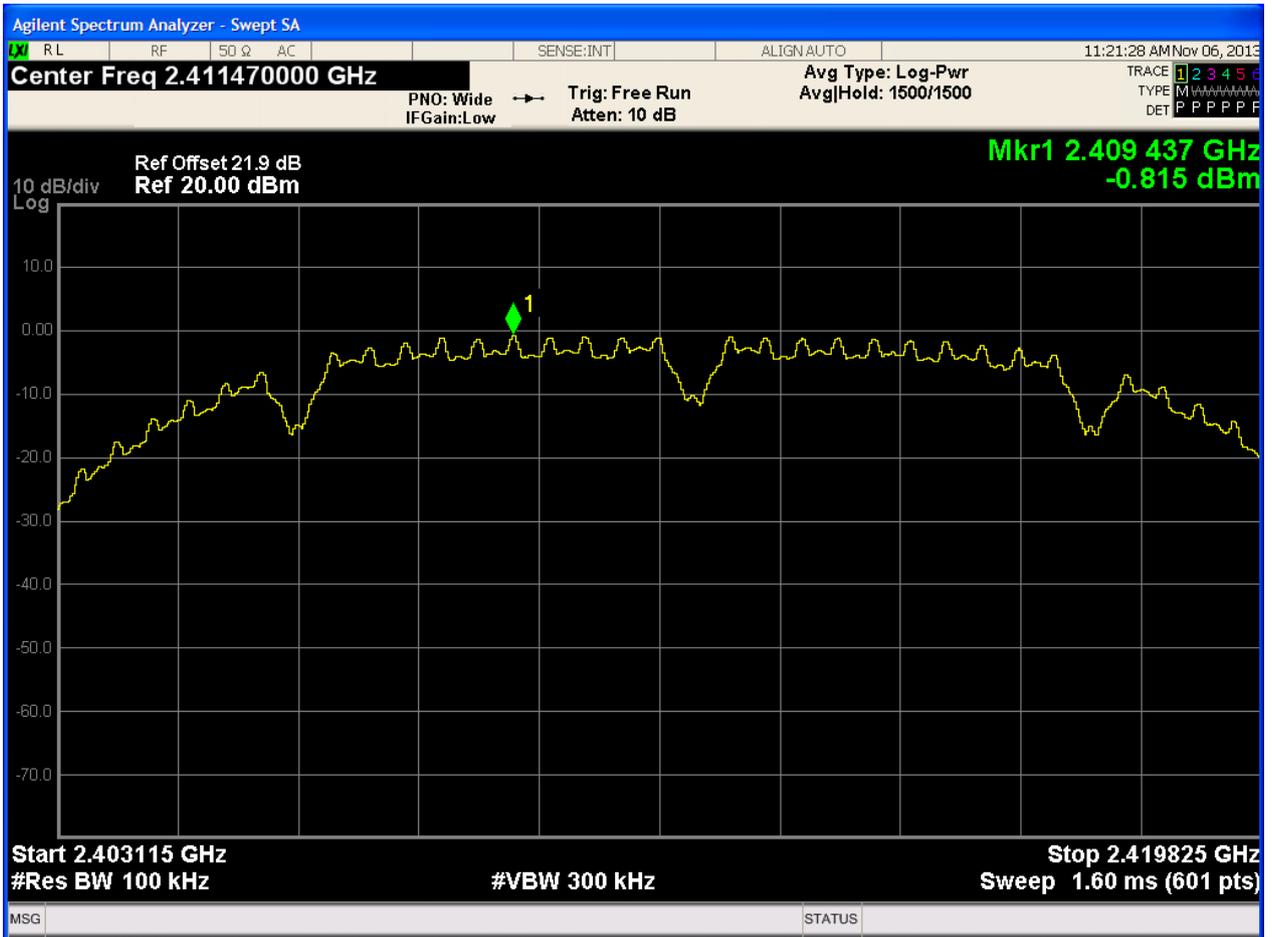
EUT Conf.	Ant.	Pref [dBm]	Puw [dBm]	Verdict
11B/1_B@1	Ant 1	-0.82	< Limit	Pass
11B/1_M@1	Ant 1	-1.32	< Limit	Pass
11B/1_T@1	Ant 1	-1.39	< Limit	Pass
11G/6_B@1	Ant 1	0.01	< Limit	Pass
11G/6_M@1	Ant 1	-0.35	< Limit	Pass
11G/6_T@1	Ant 1	-0.42	< Limit	Pass
11N20/0_B@1	Ant 1	0.1	< Limit	Pass
11N20/0_M@1	Ant 1	-0.18	< Limit	Pass
11N20/0_T@1	Ant 1	-0.44	< Limit	Pass
11N40/0_B@1	Ant 1	-5.45	< Limit	Pass
11N40/0_M@1	Ant 1	-5.75	< Limit	Pass
11N40/0_T@1	Ant 1	-5.93	< Limit	Pass



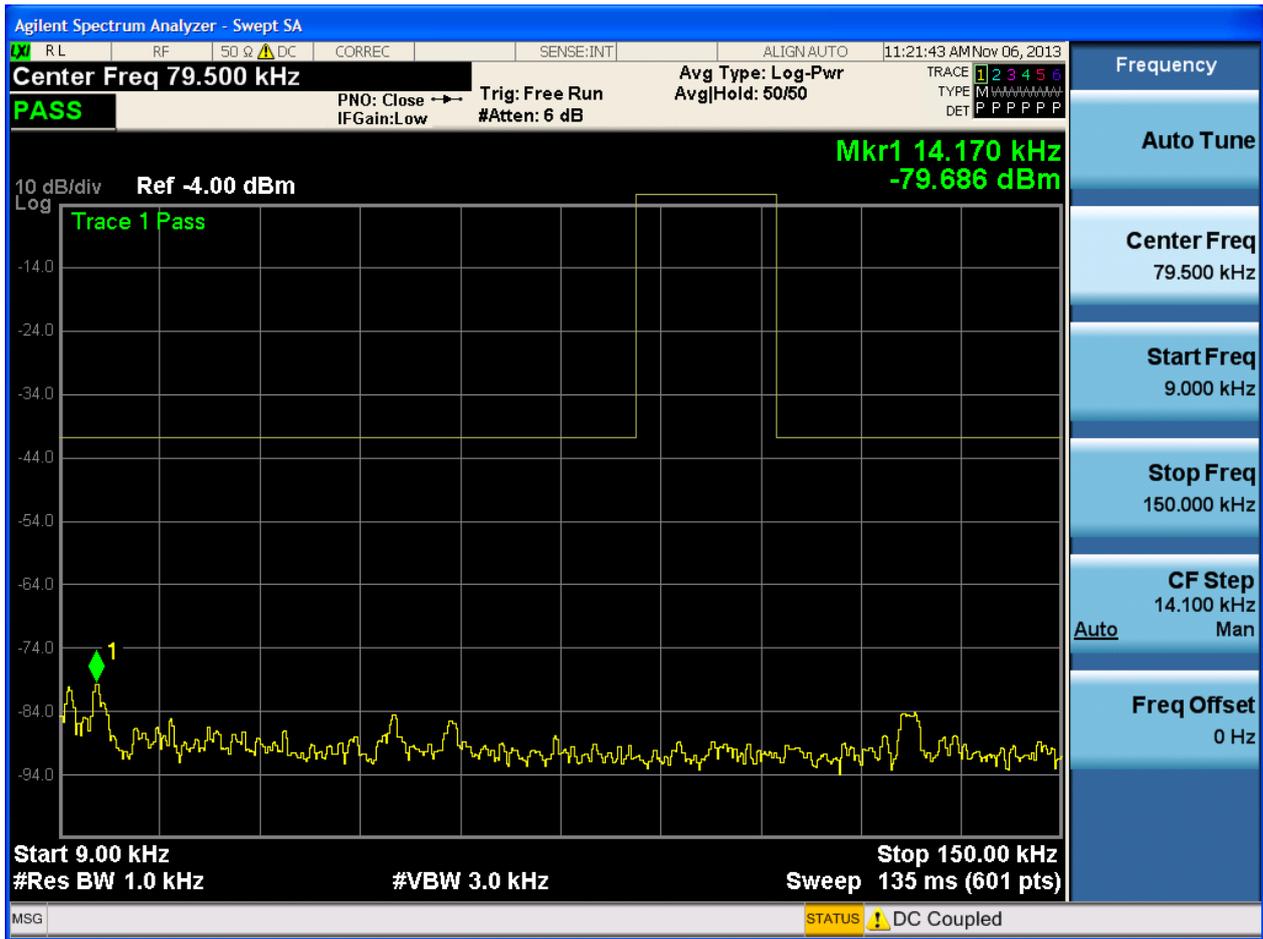
## 2 Test Plot

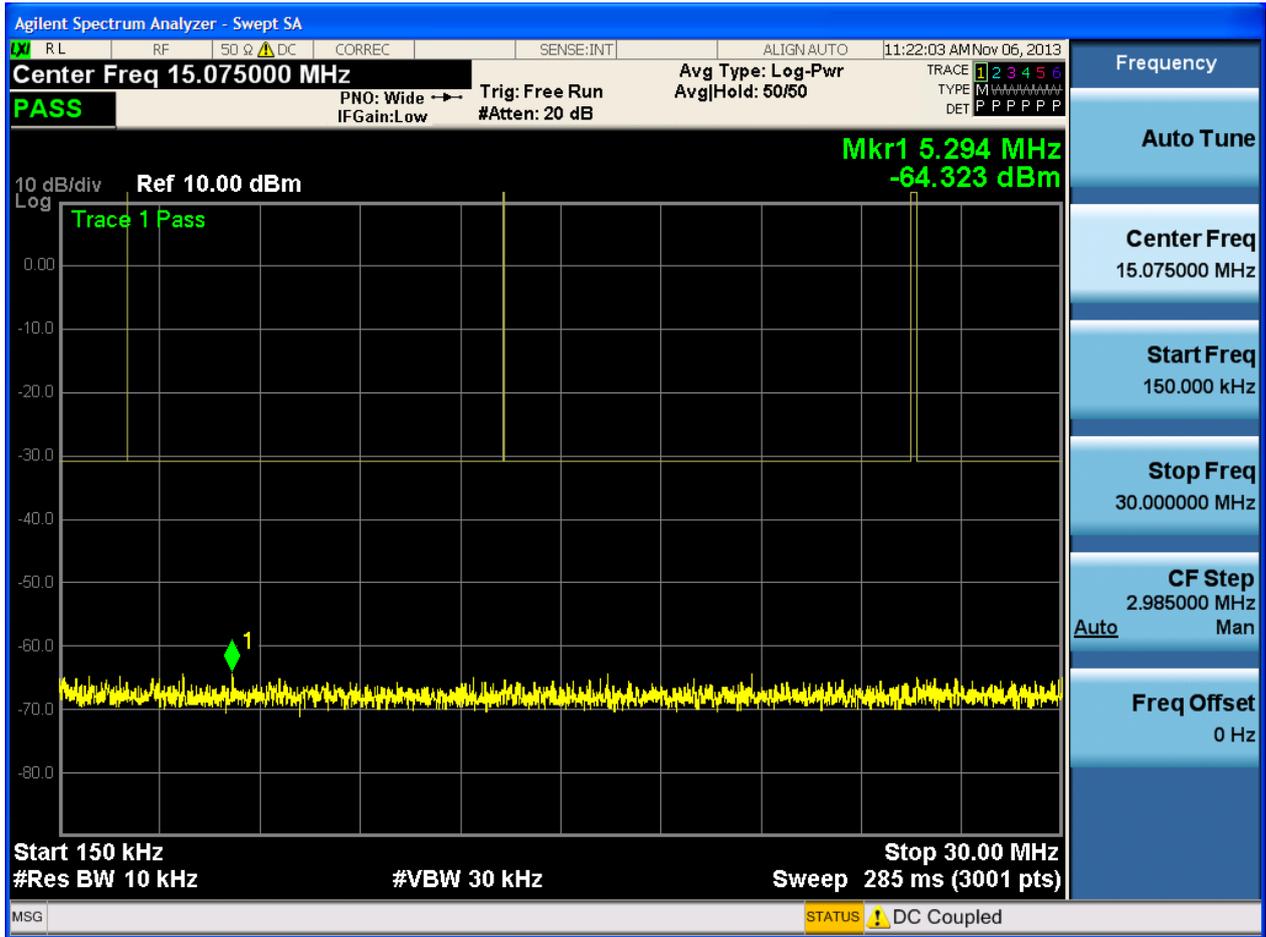
### 2.1 11B/1\_B@1

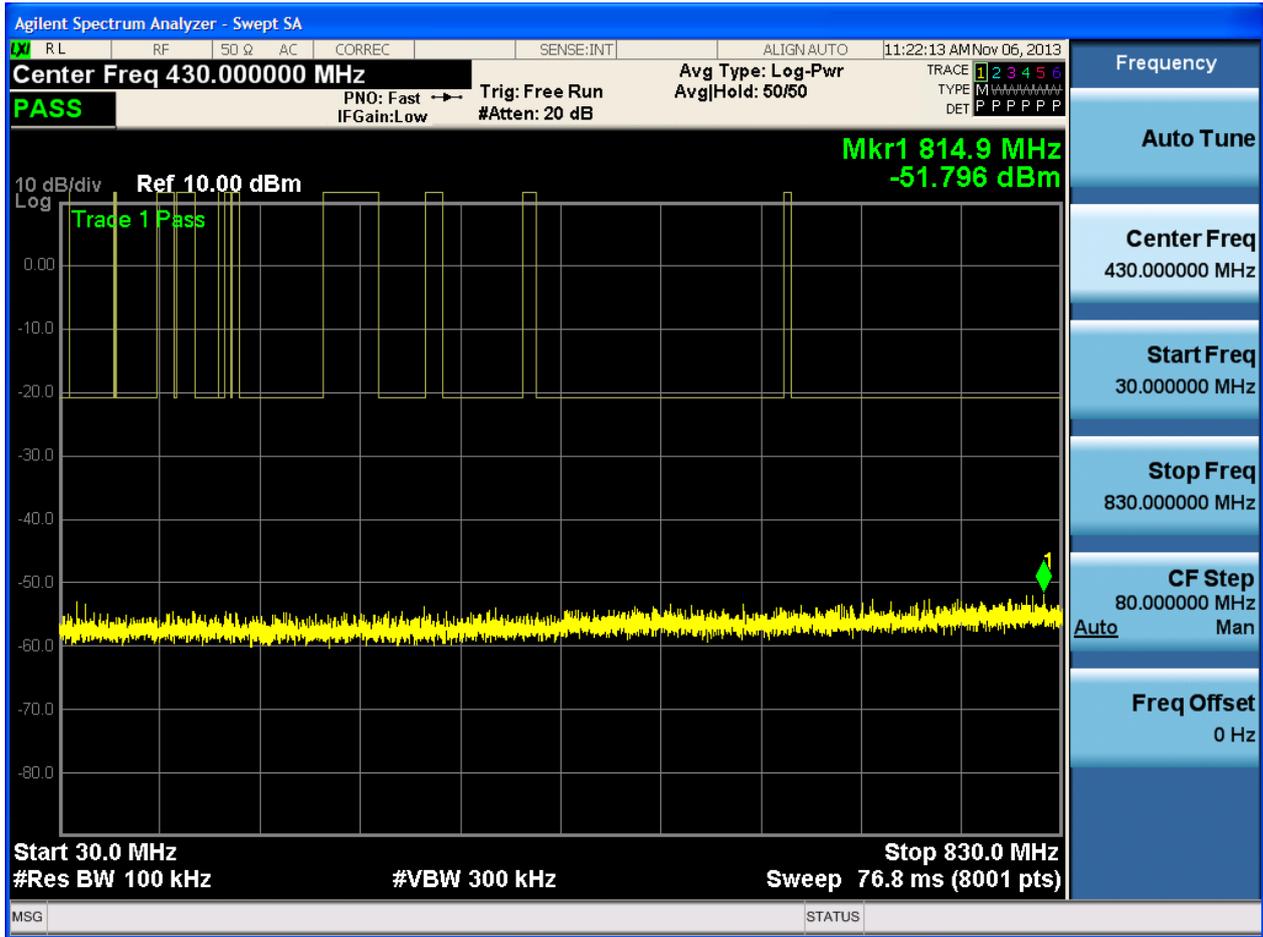
#### 2.1.1 Pref



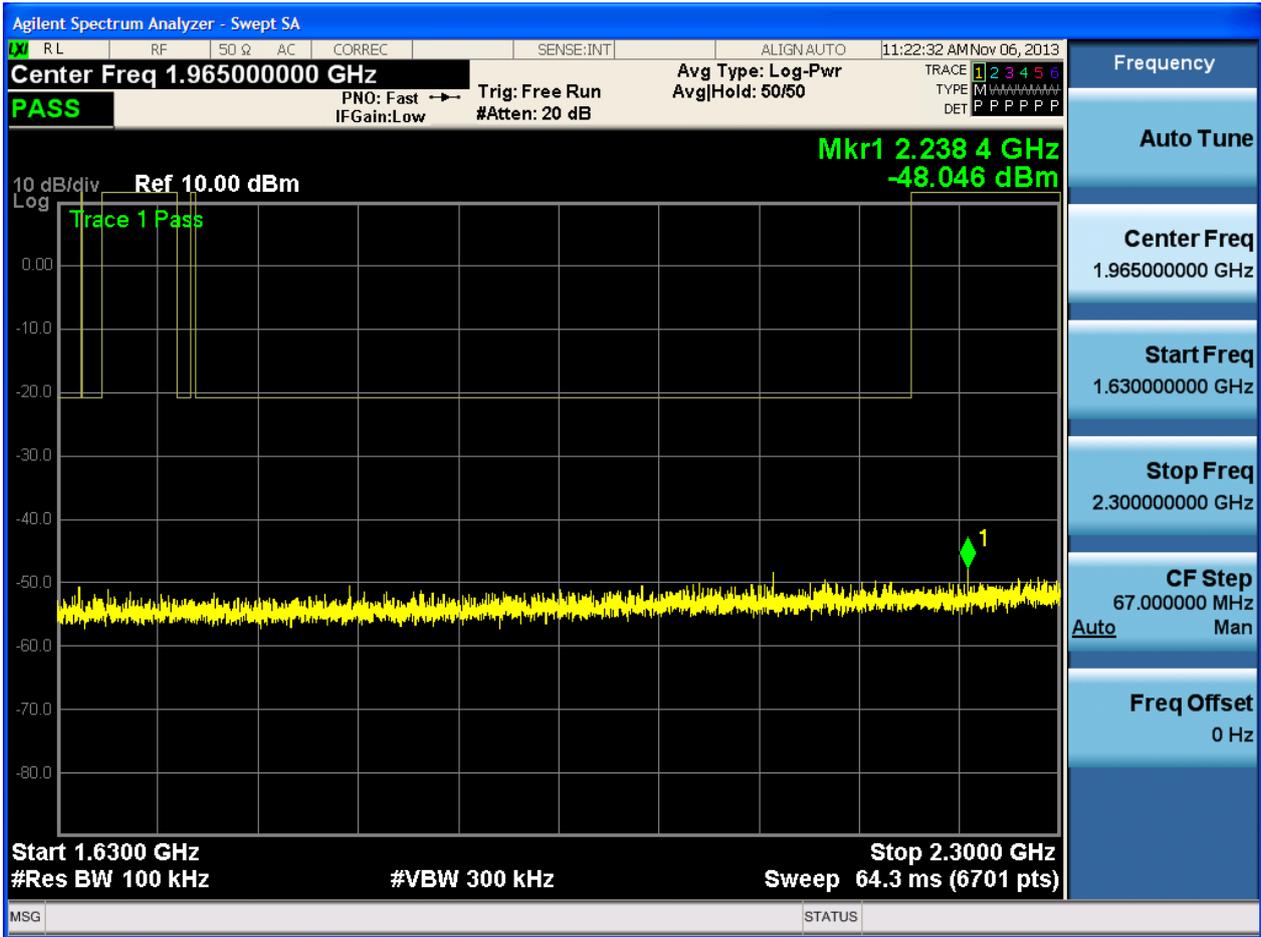
#### 2.1.2 P<sub>uw</sub>

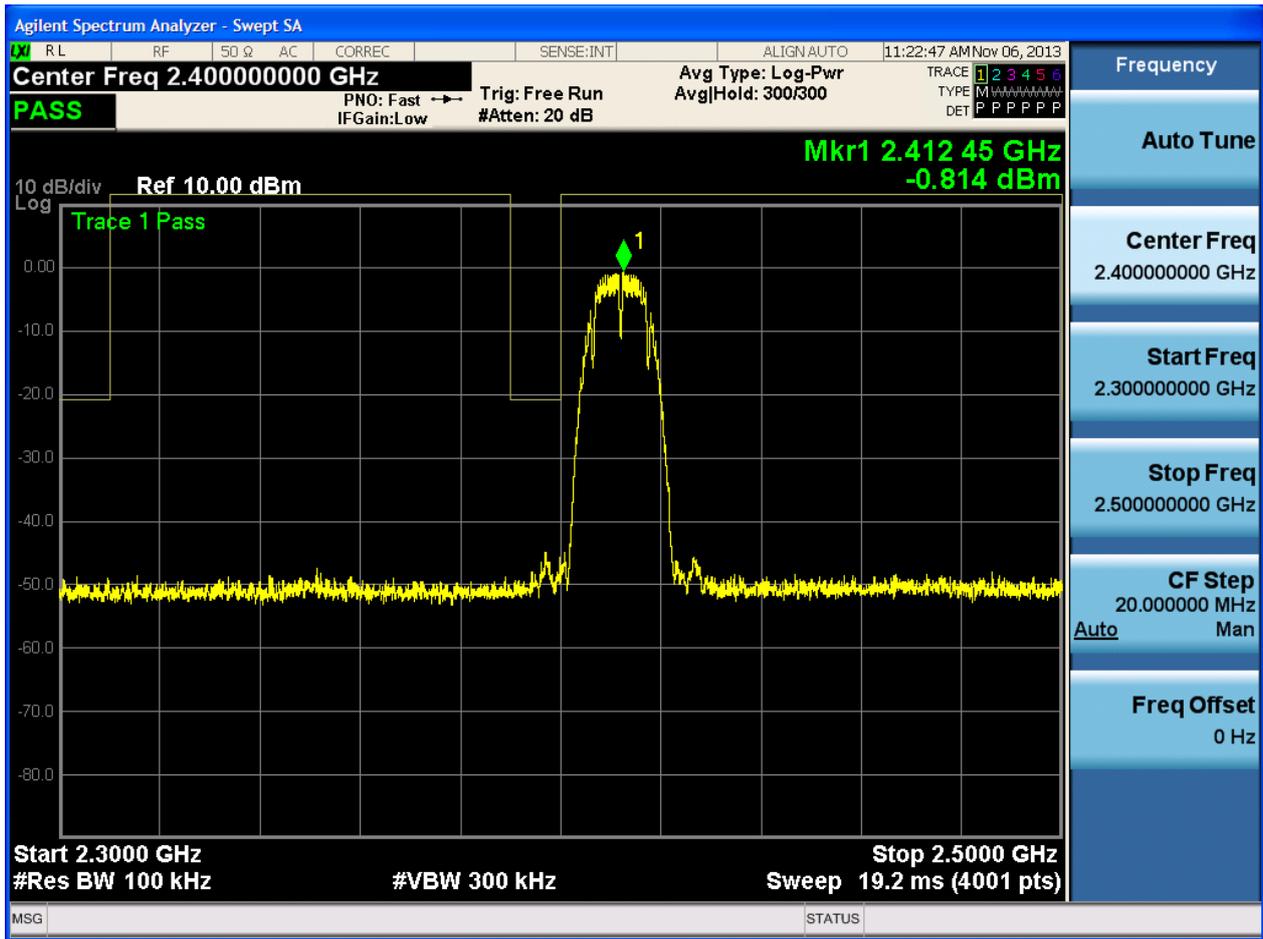


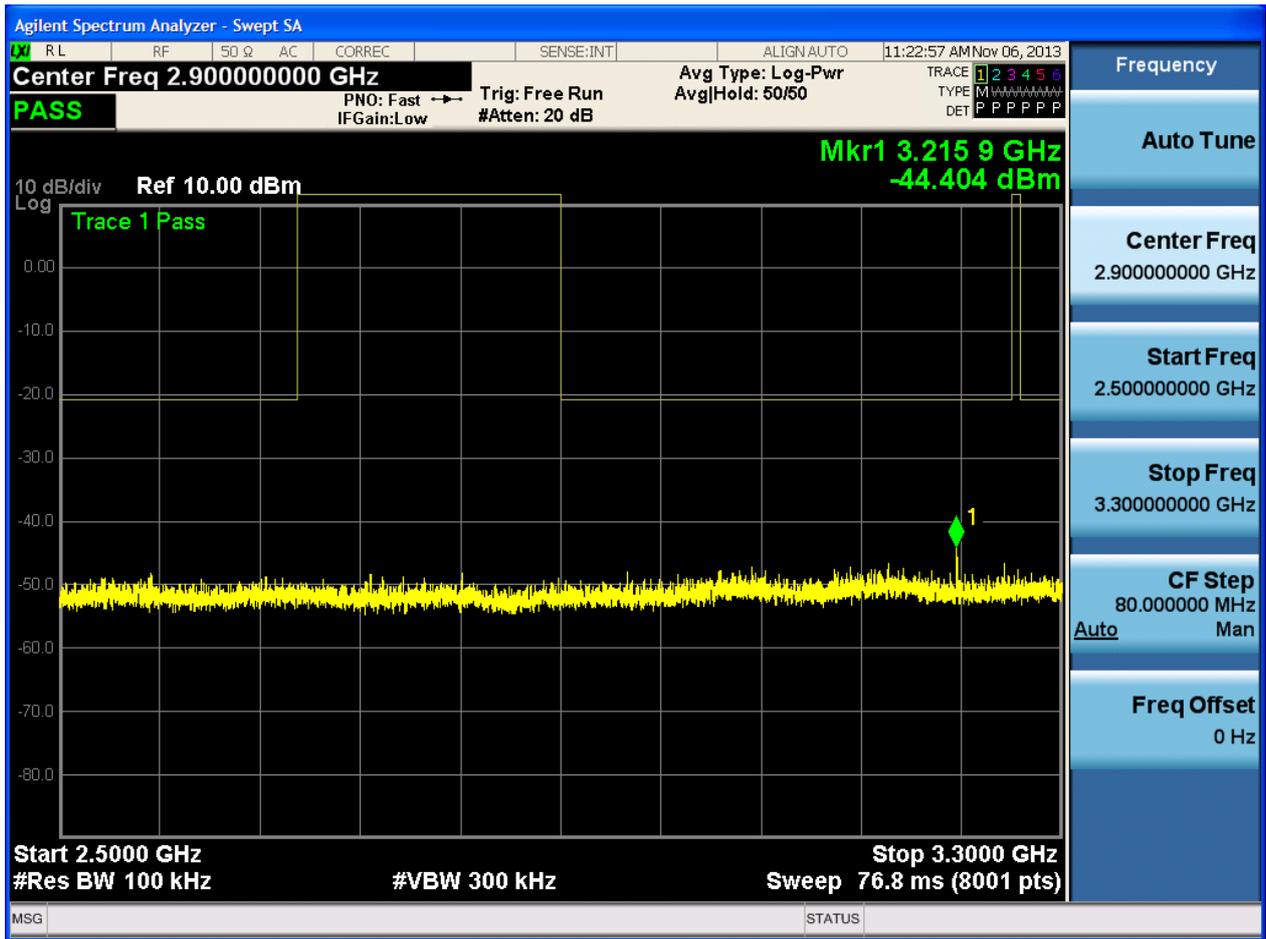


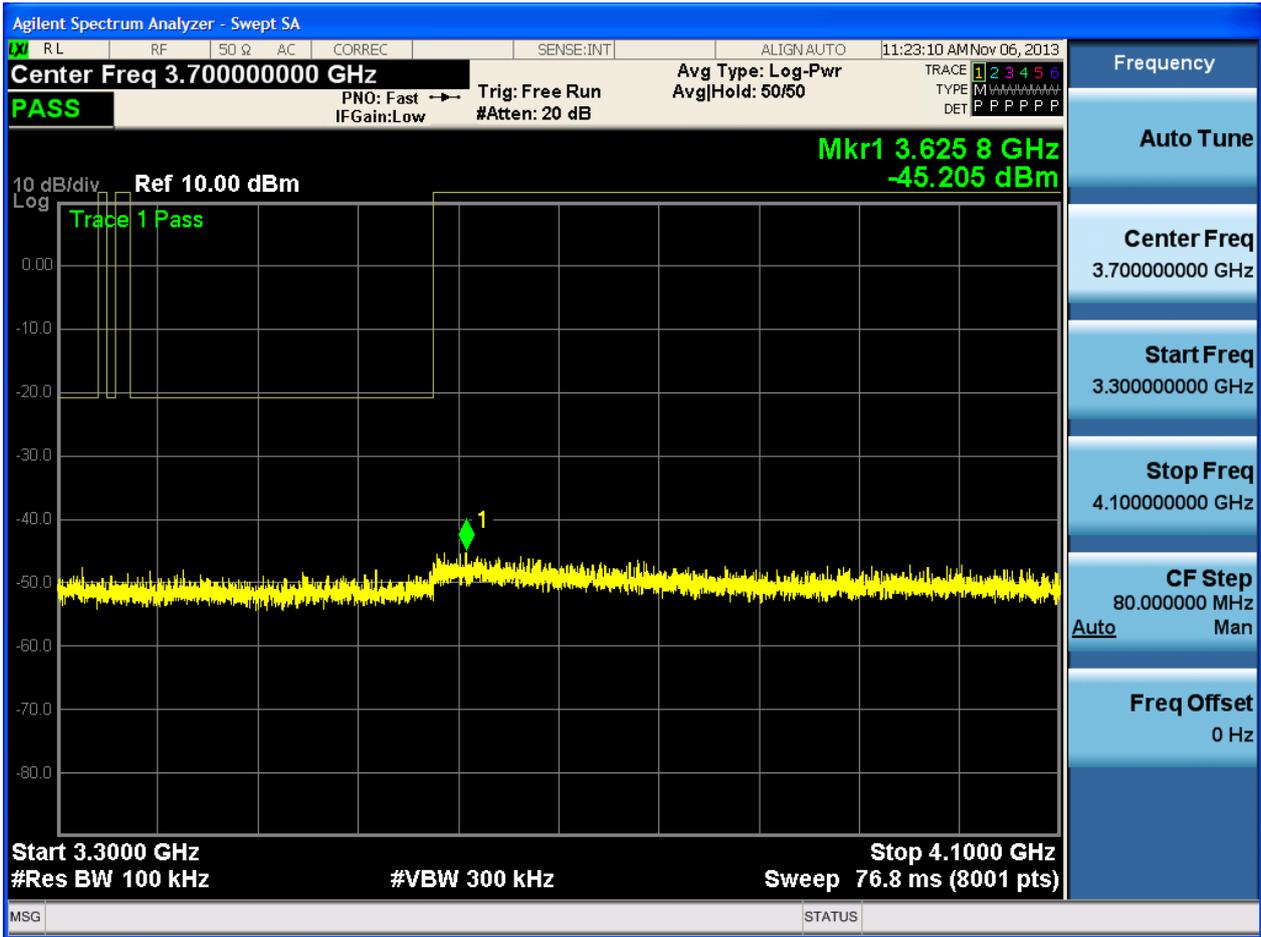


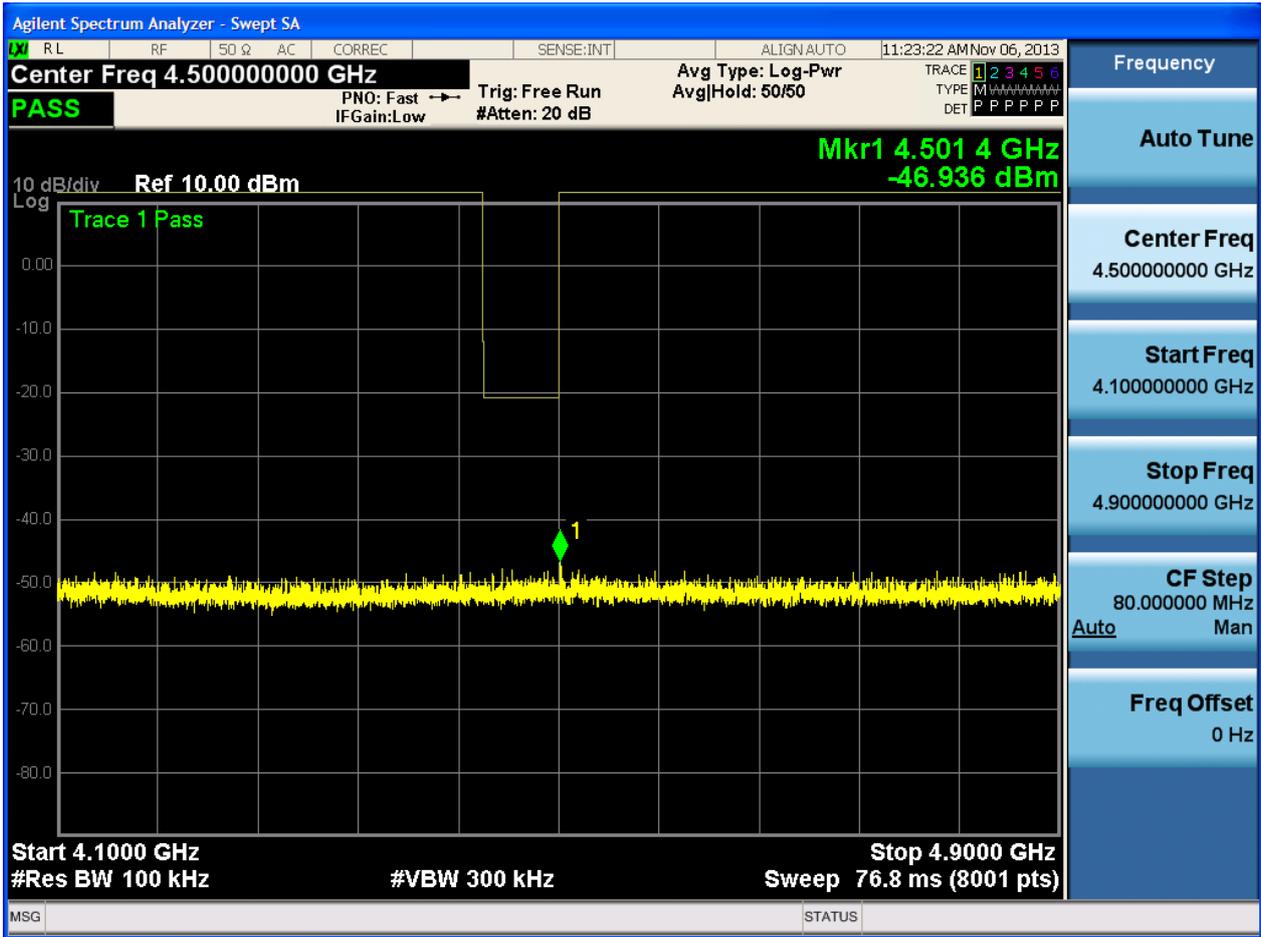


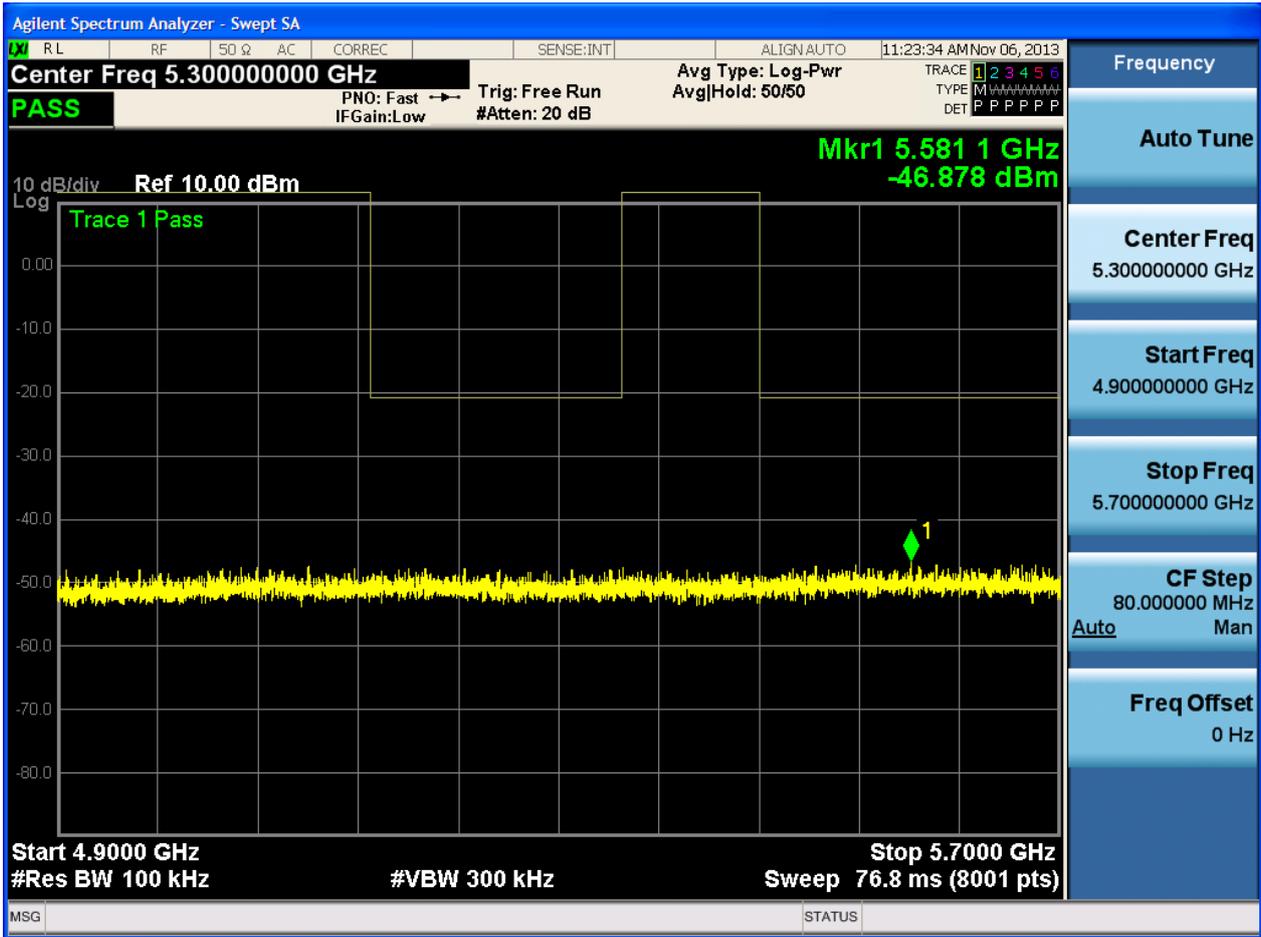


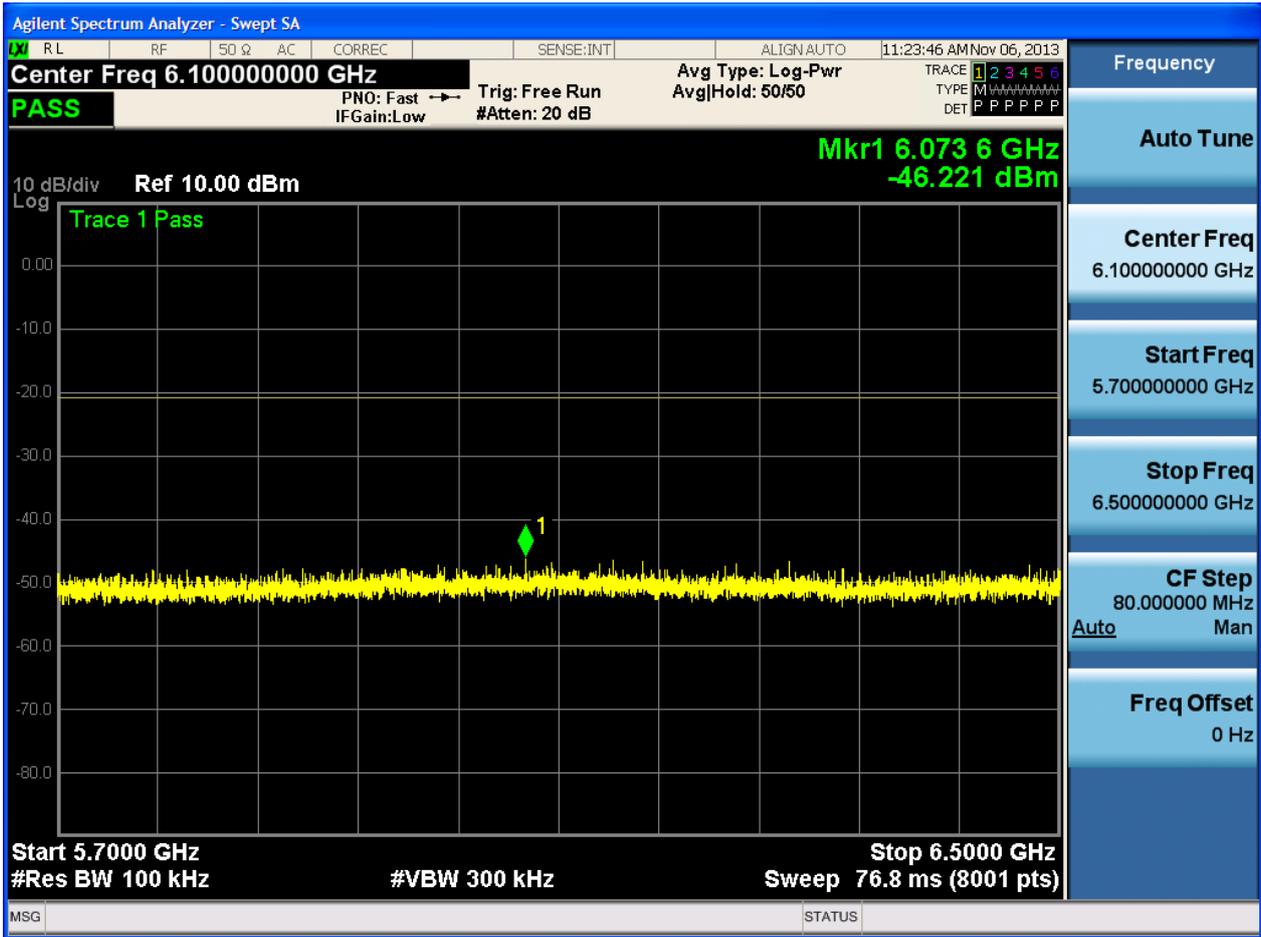


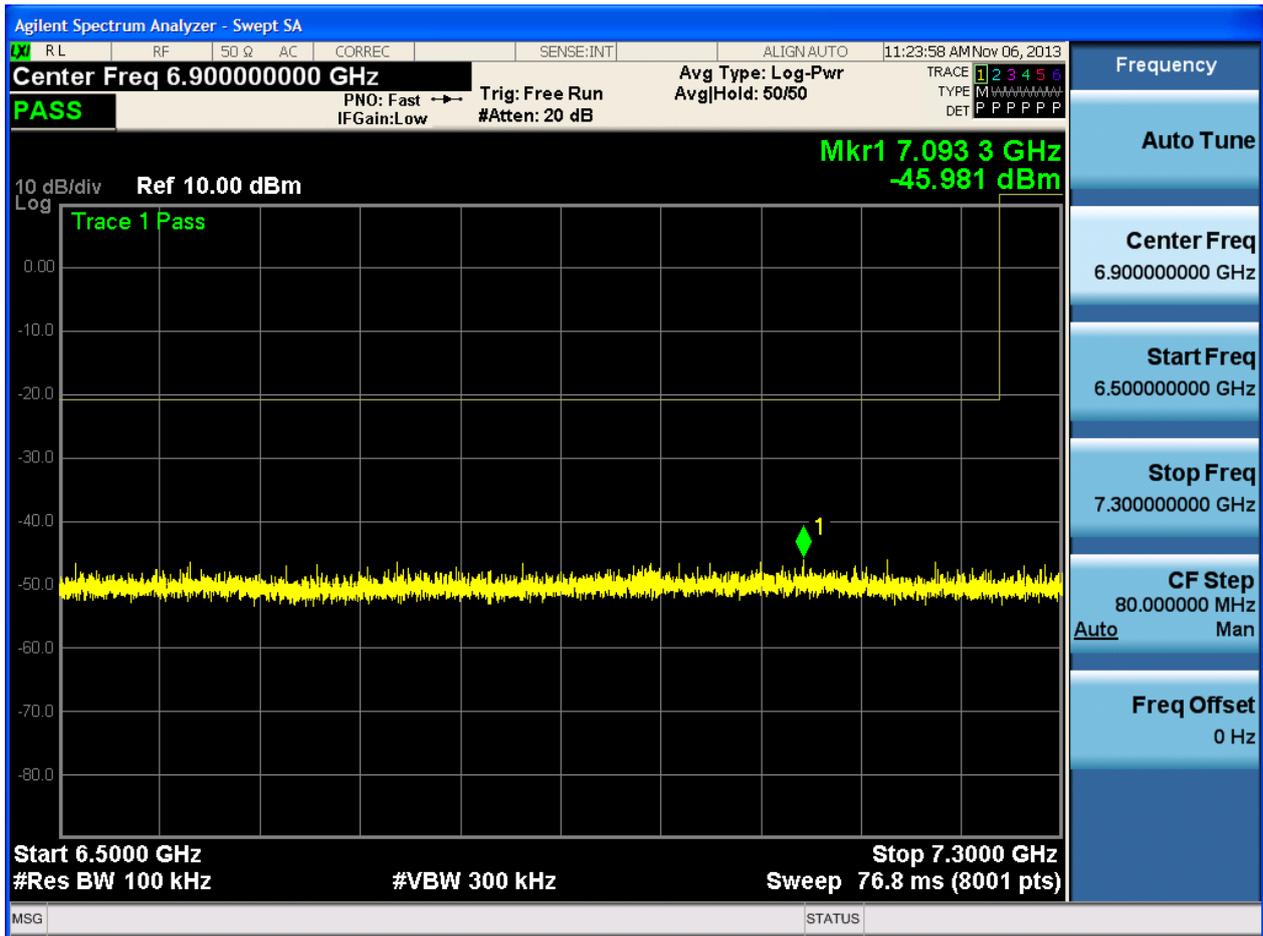


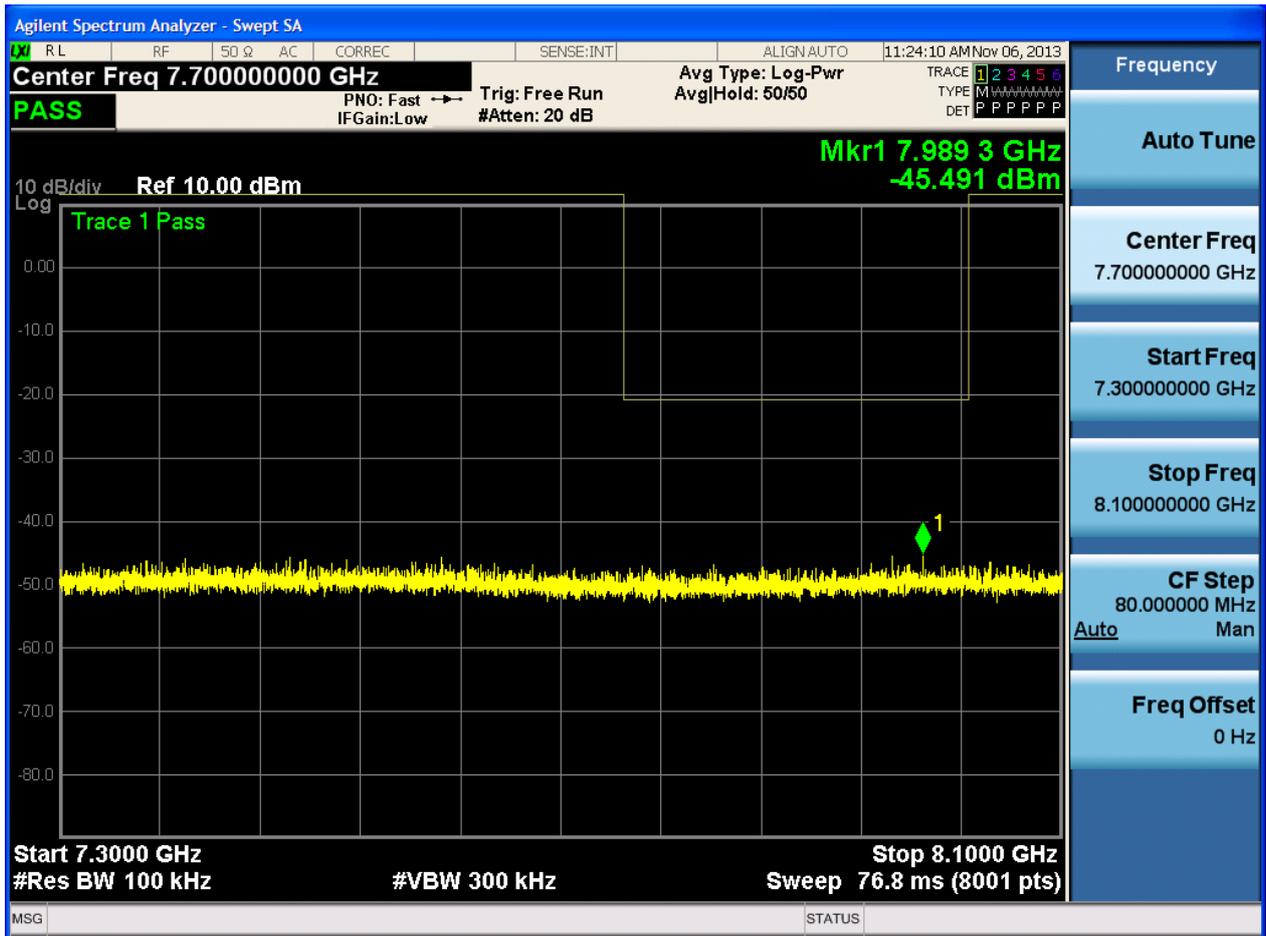


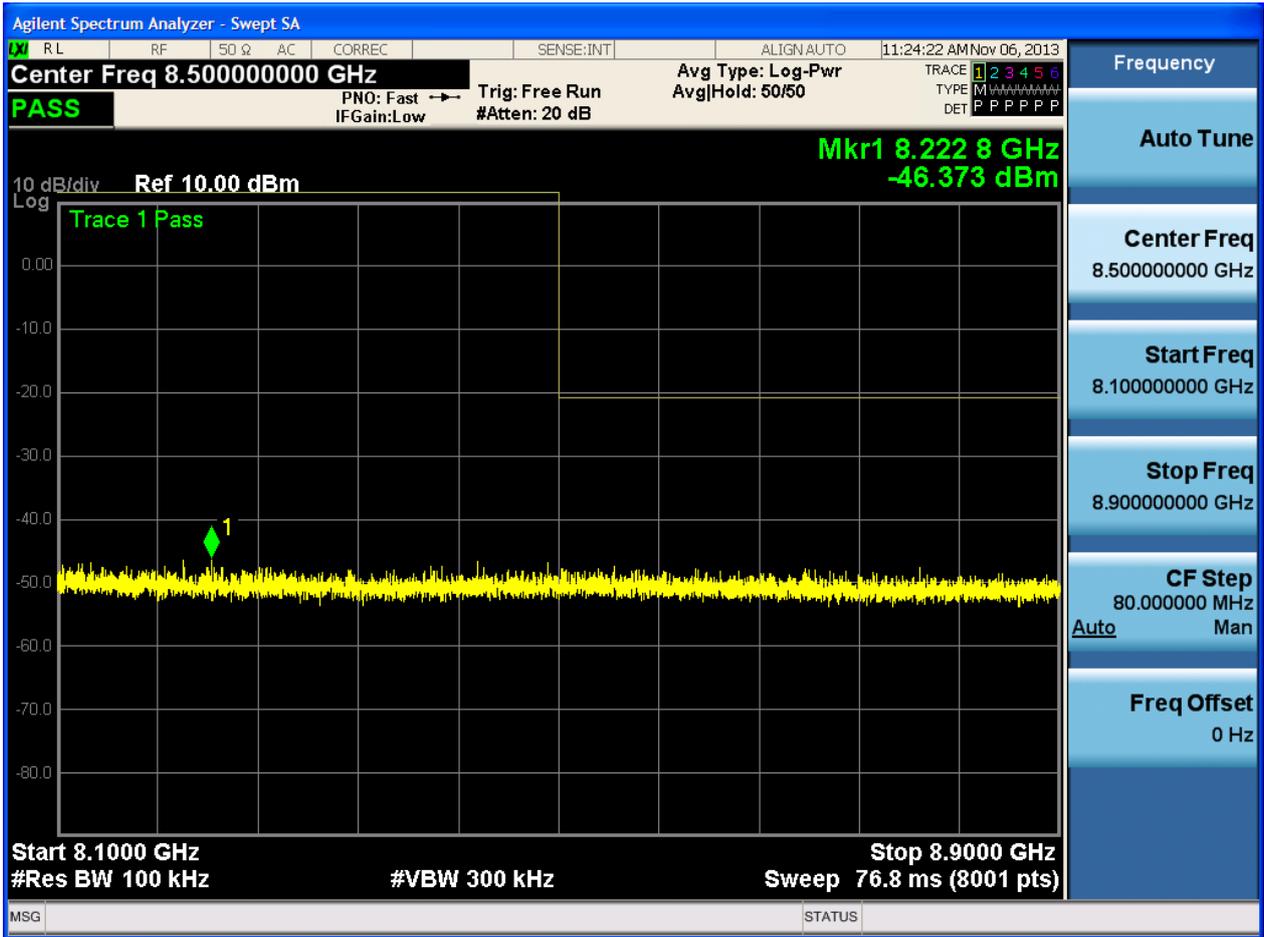


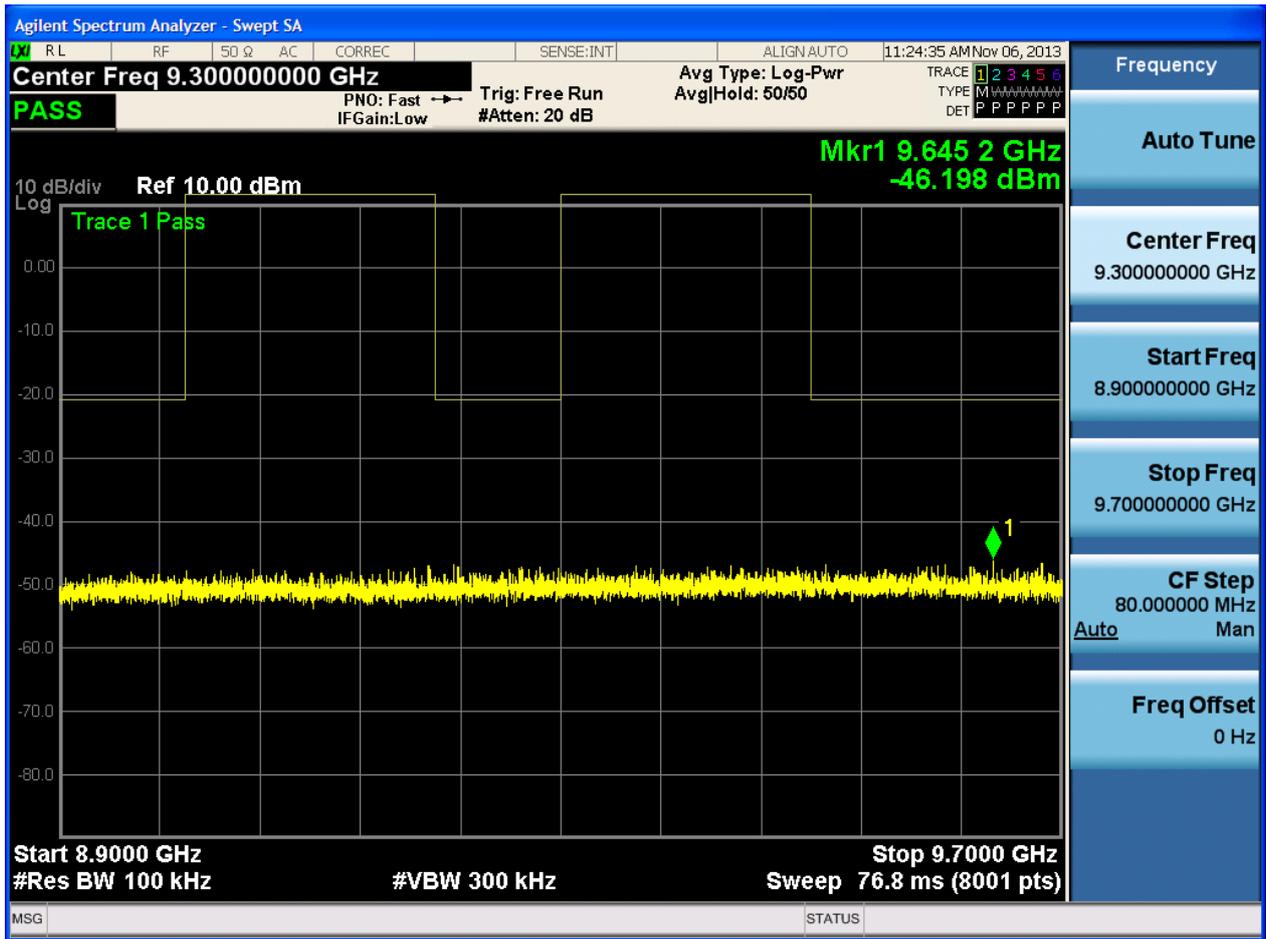


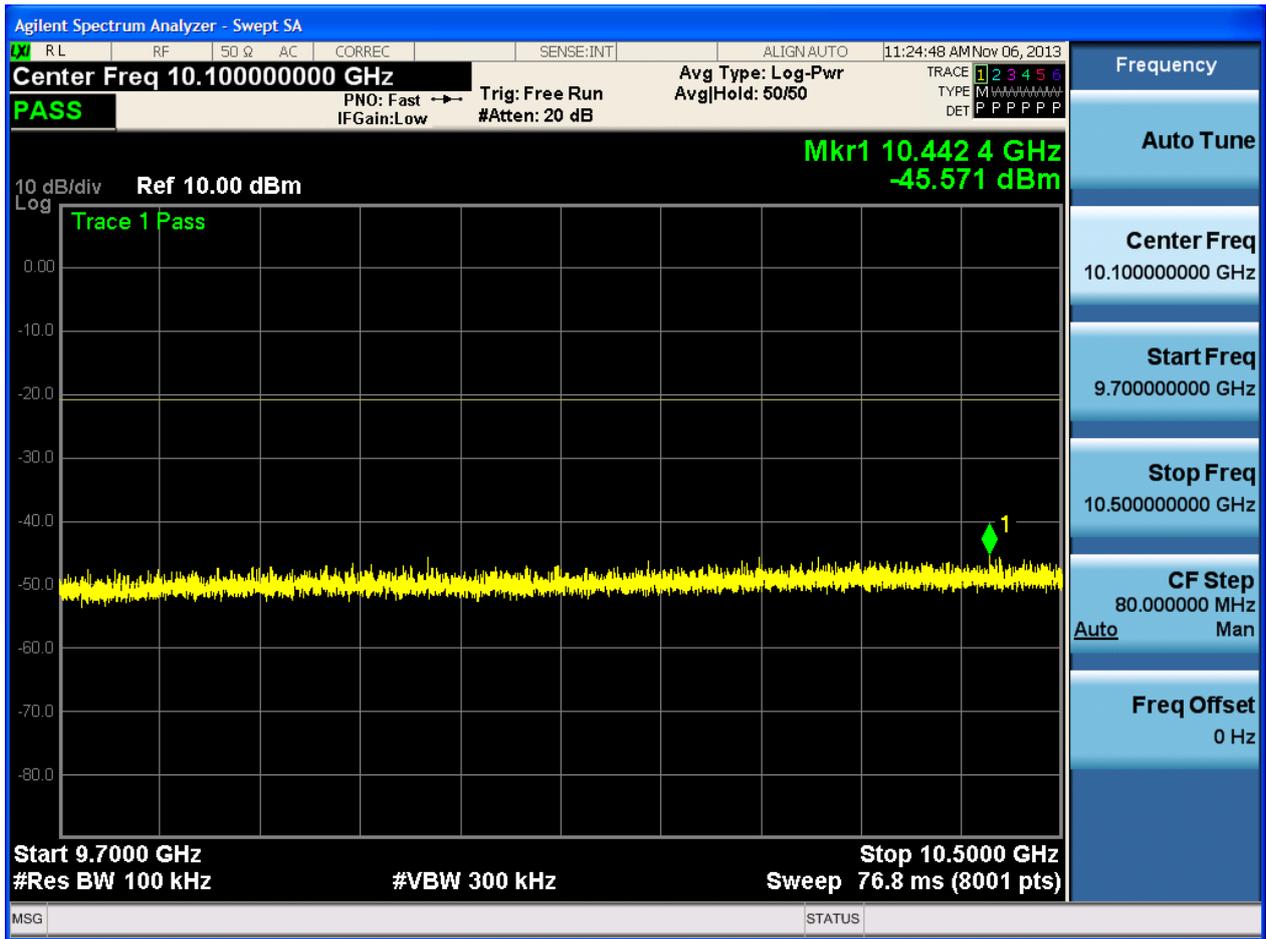


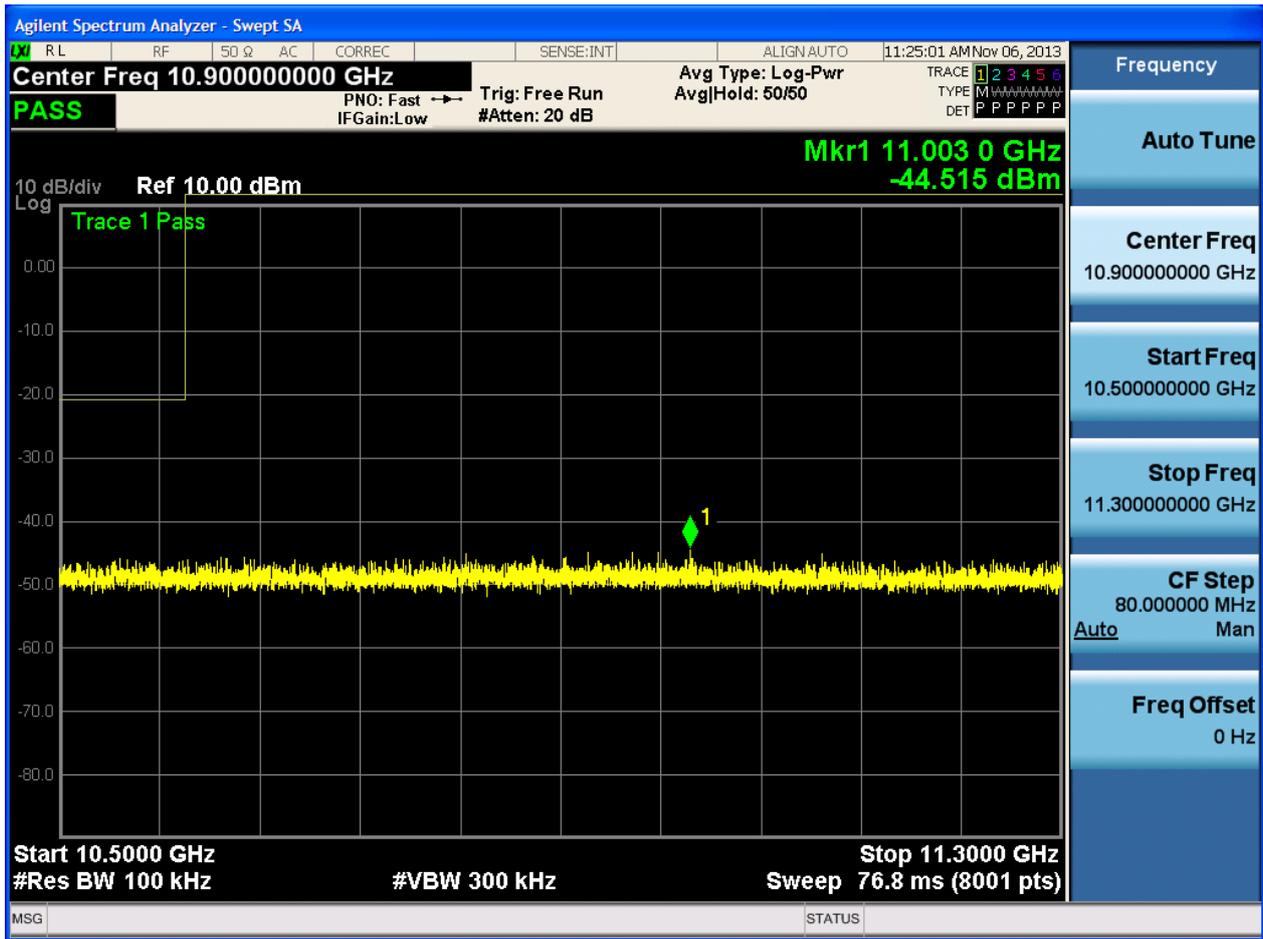




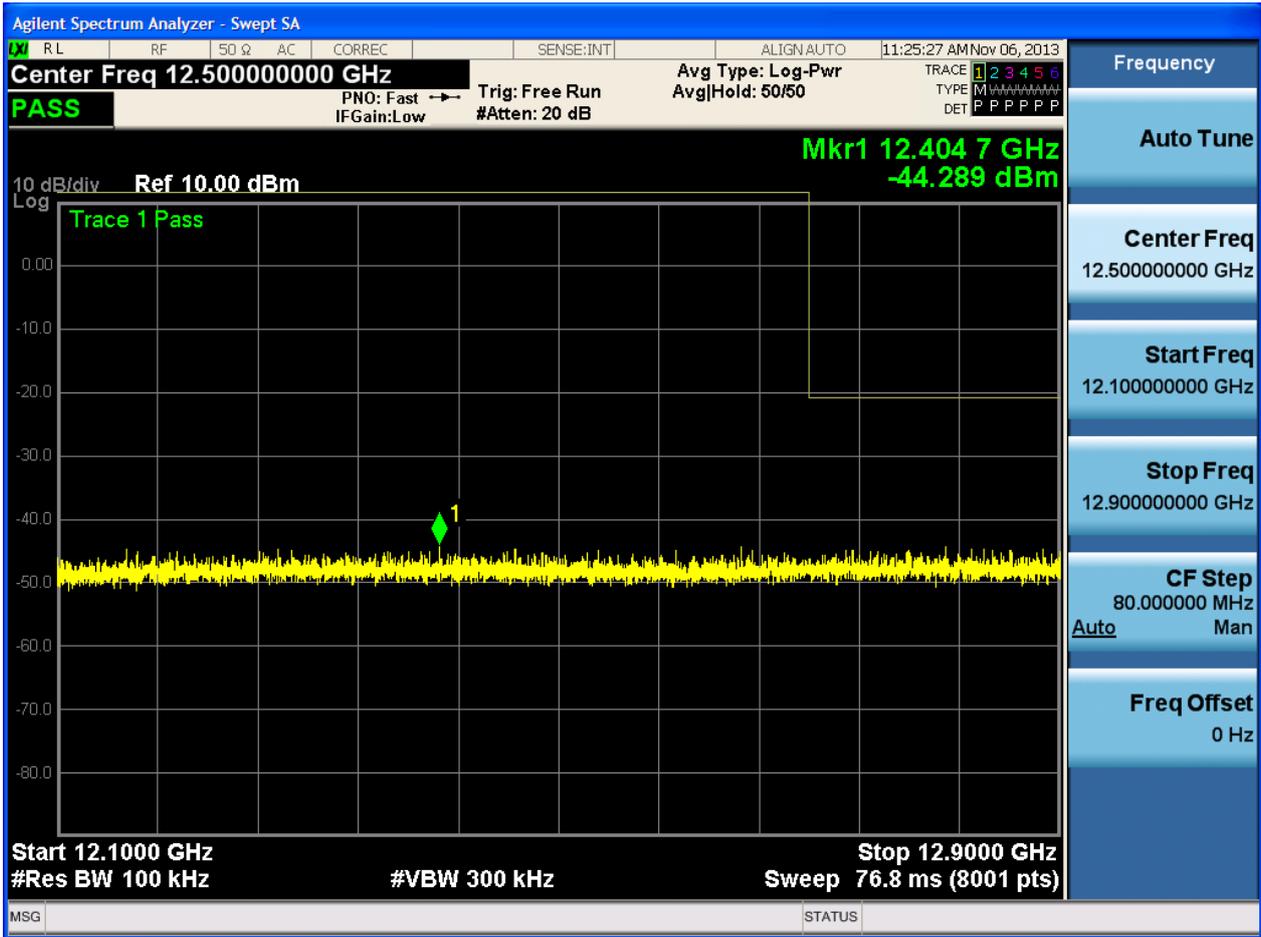


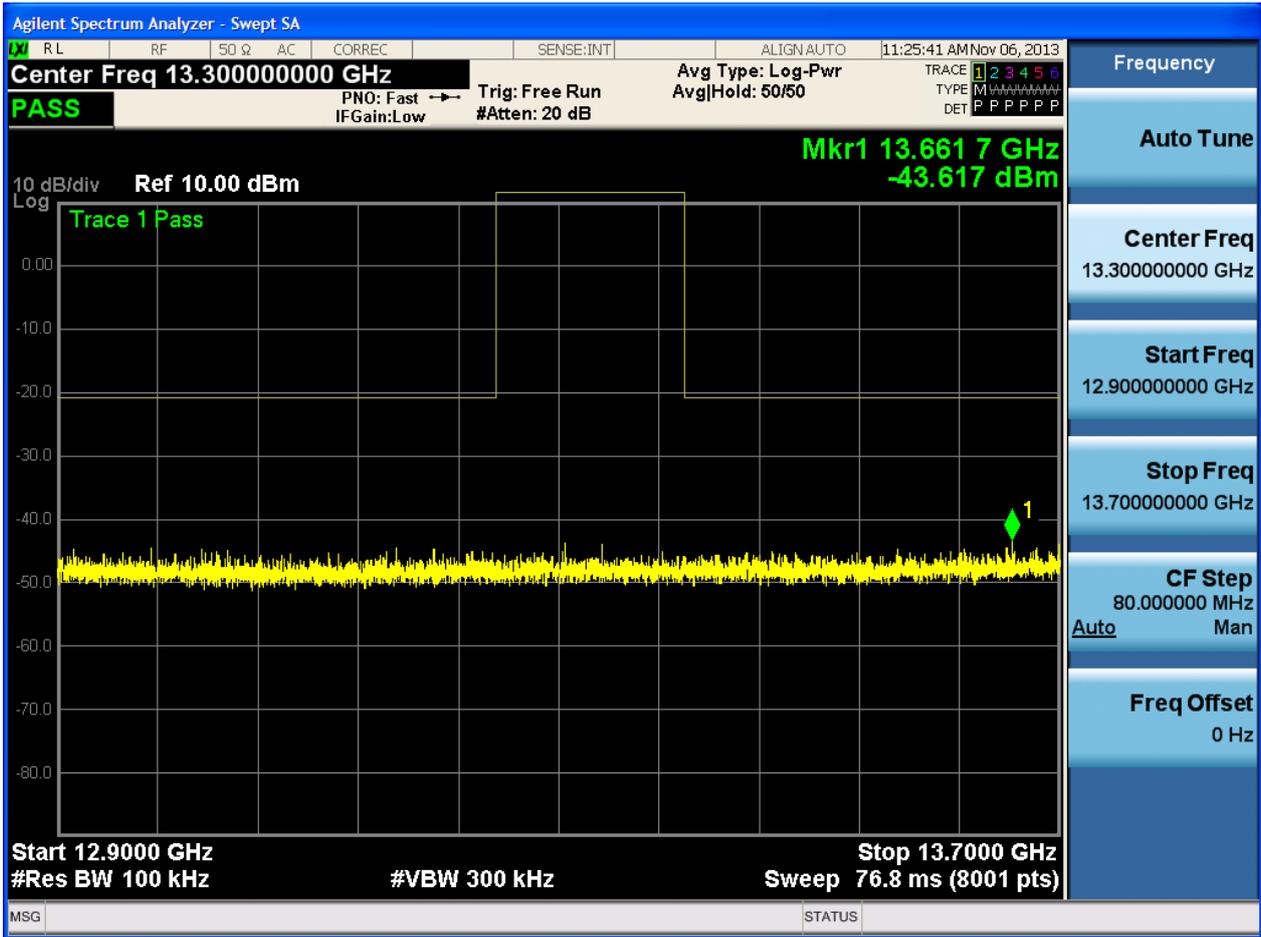


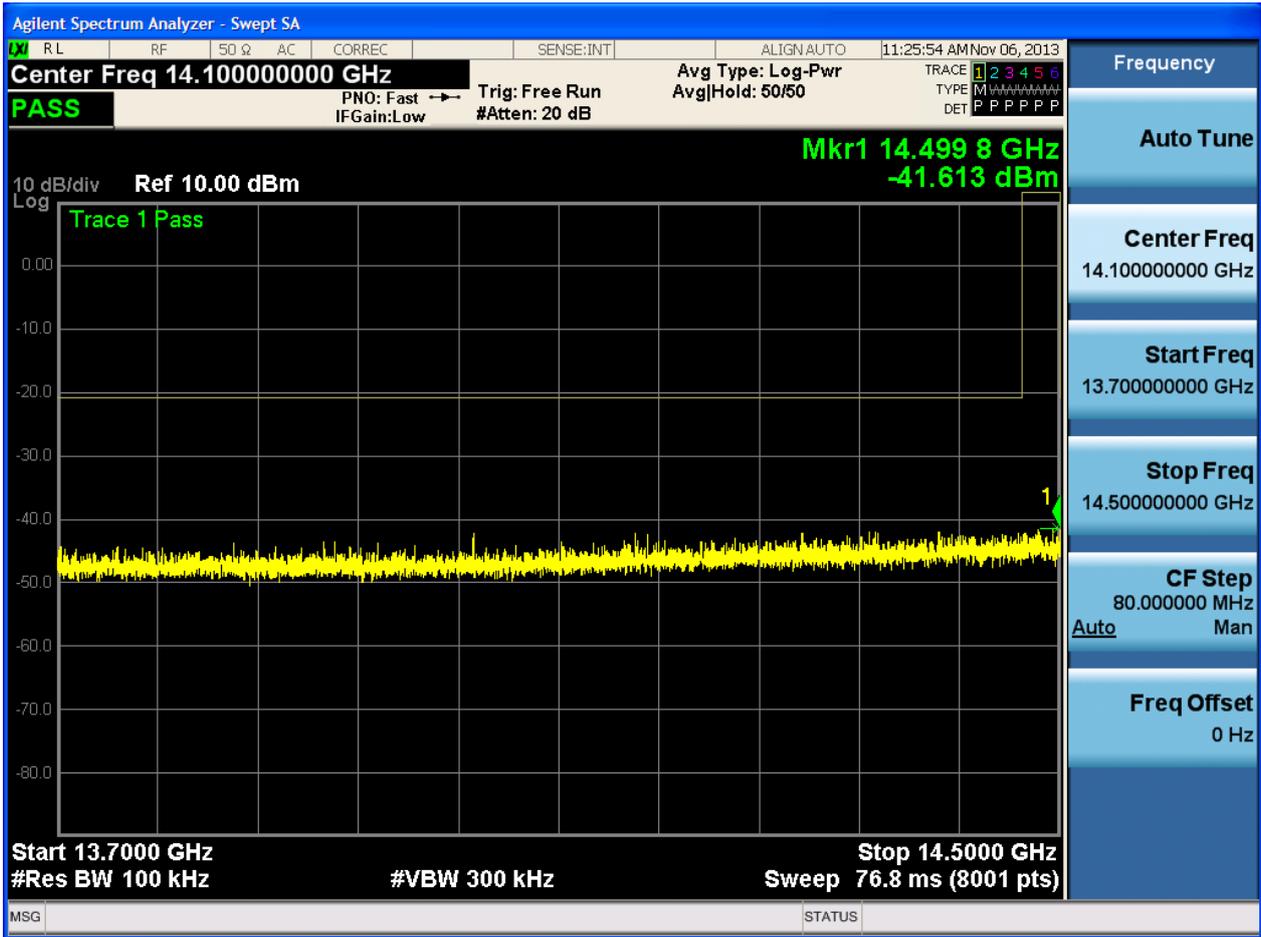




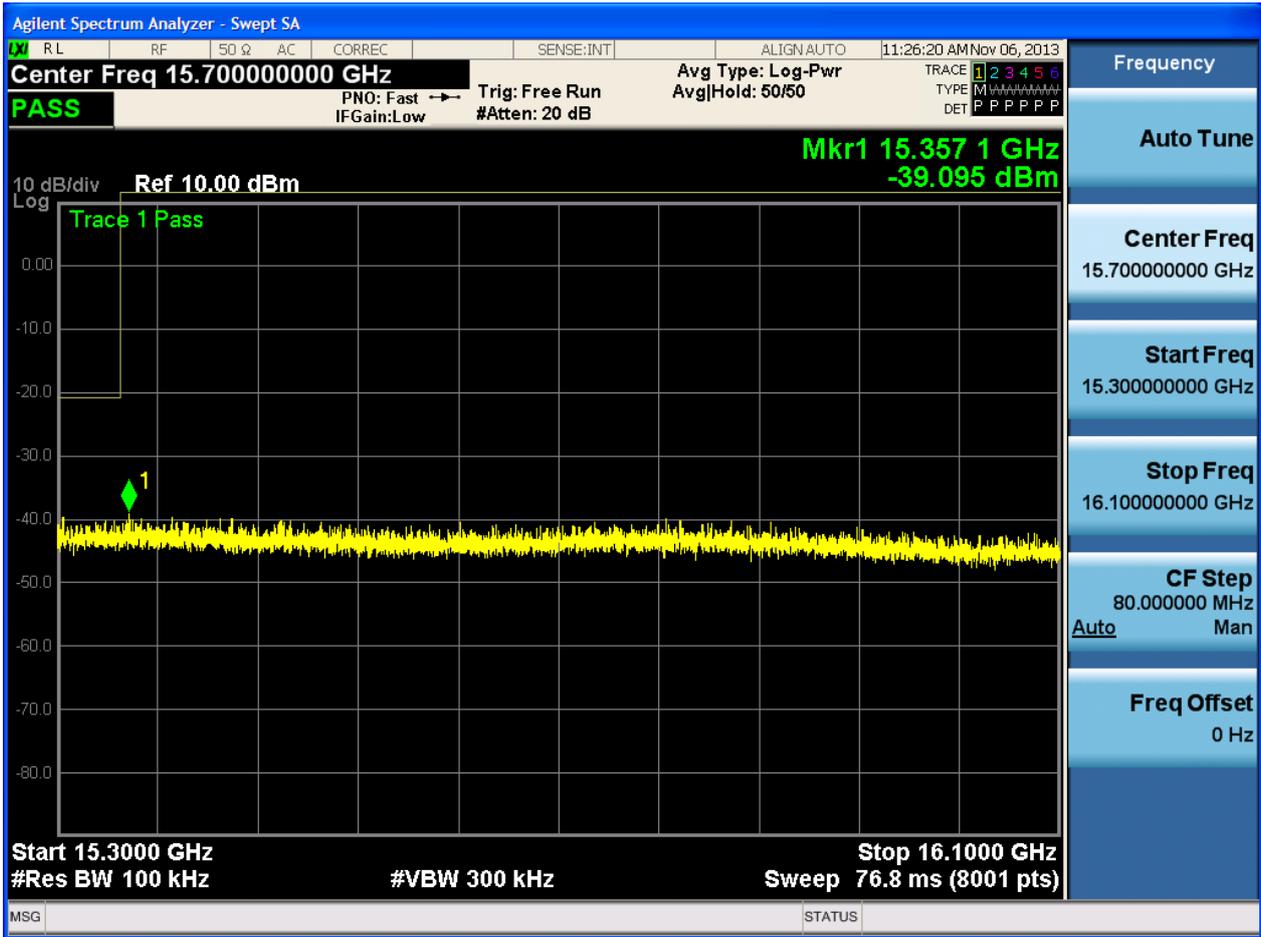


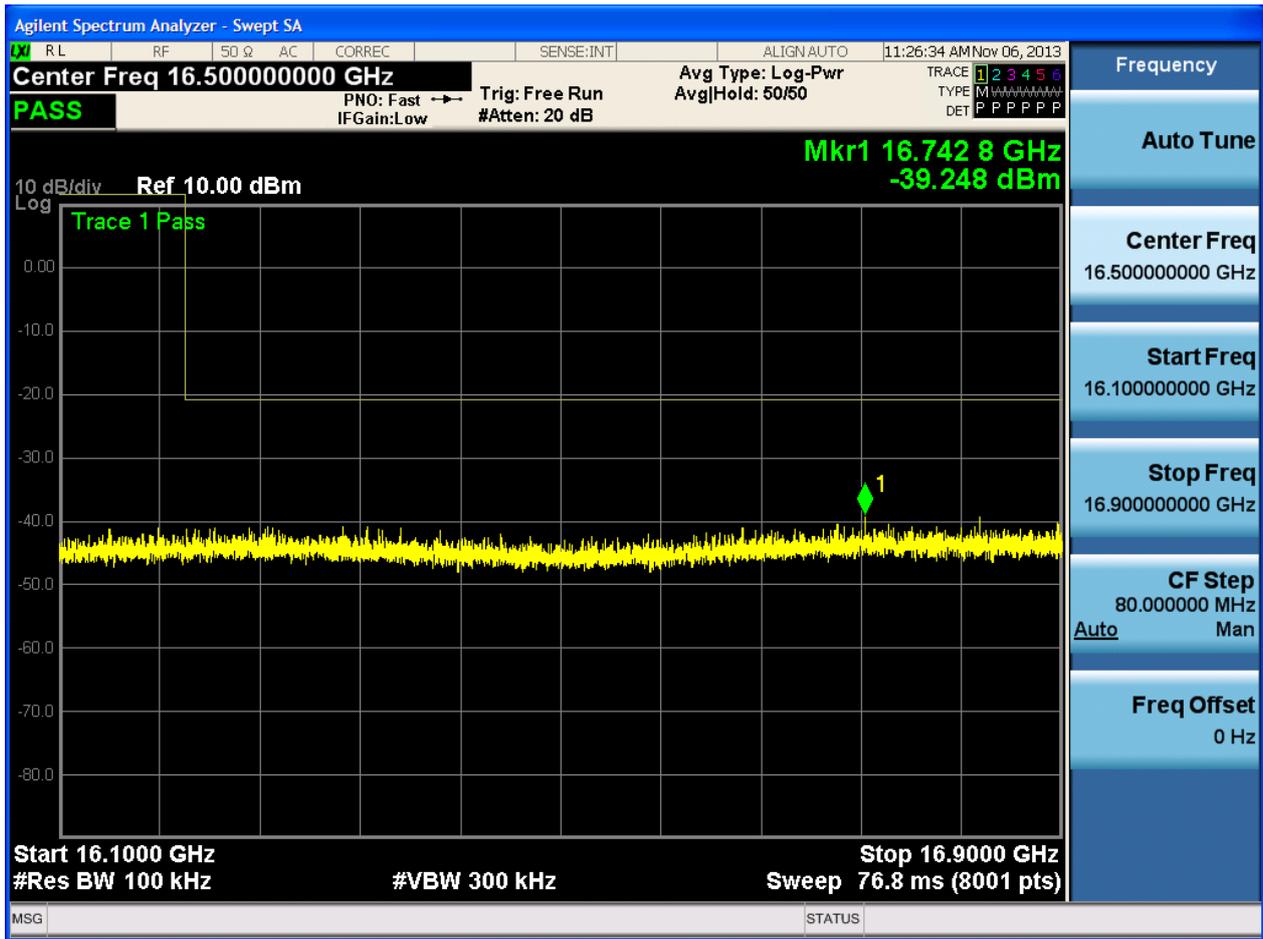


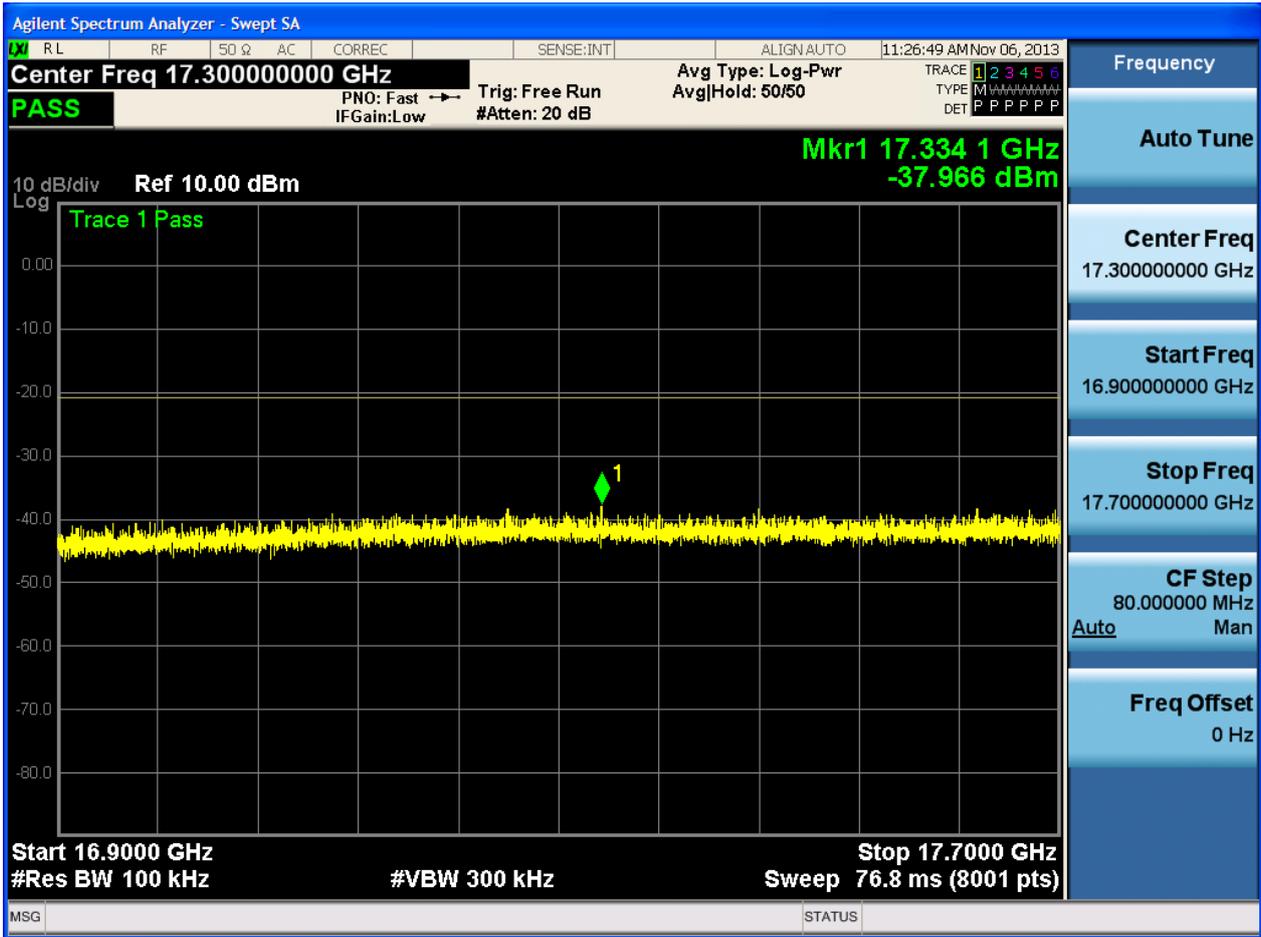


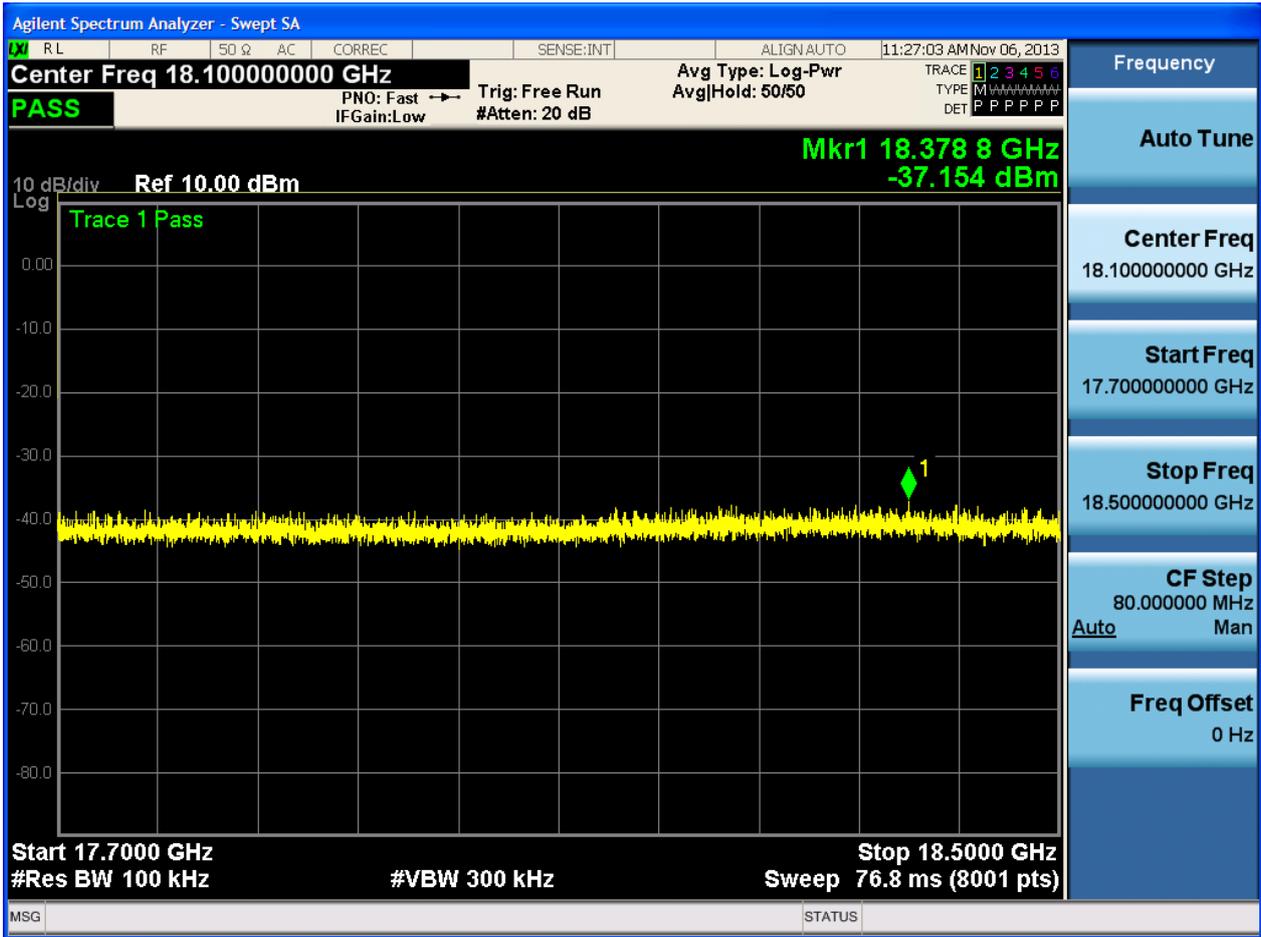


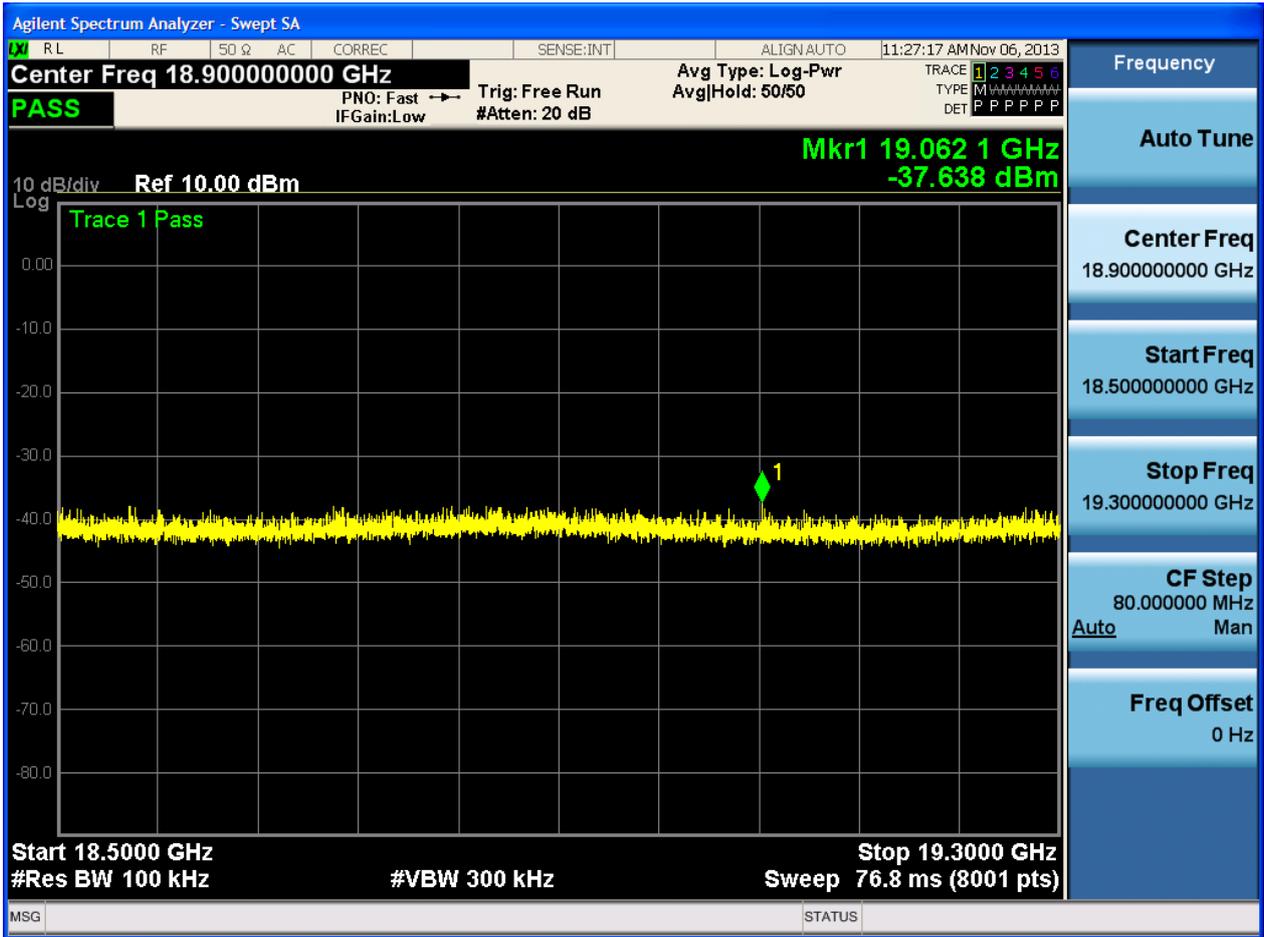


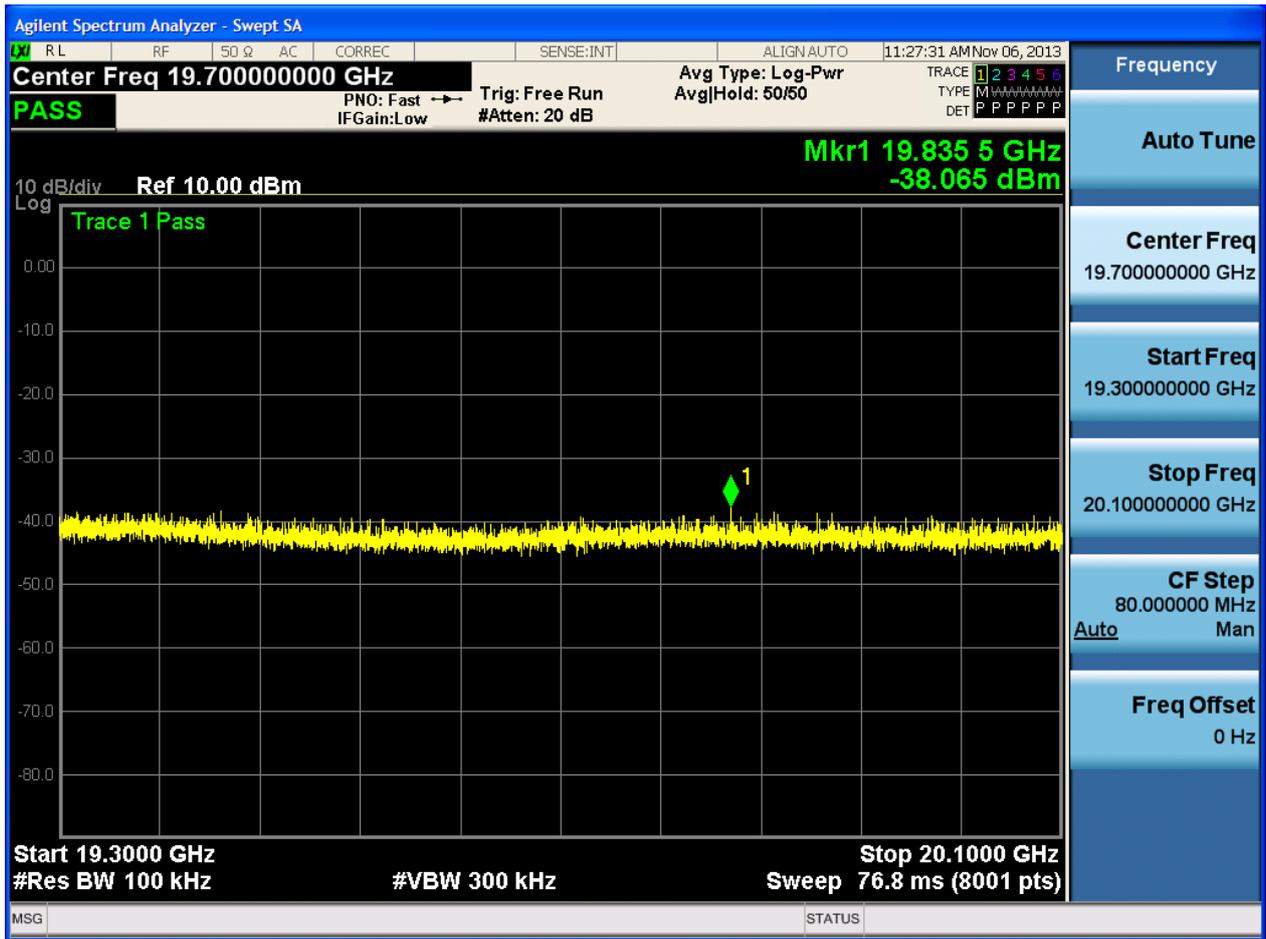


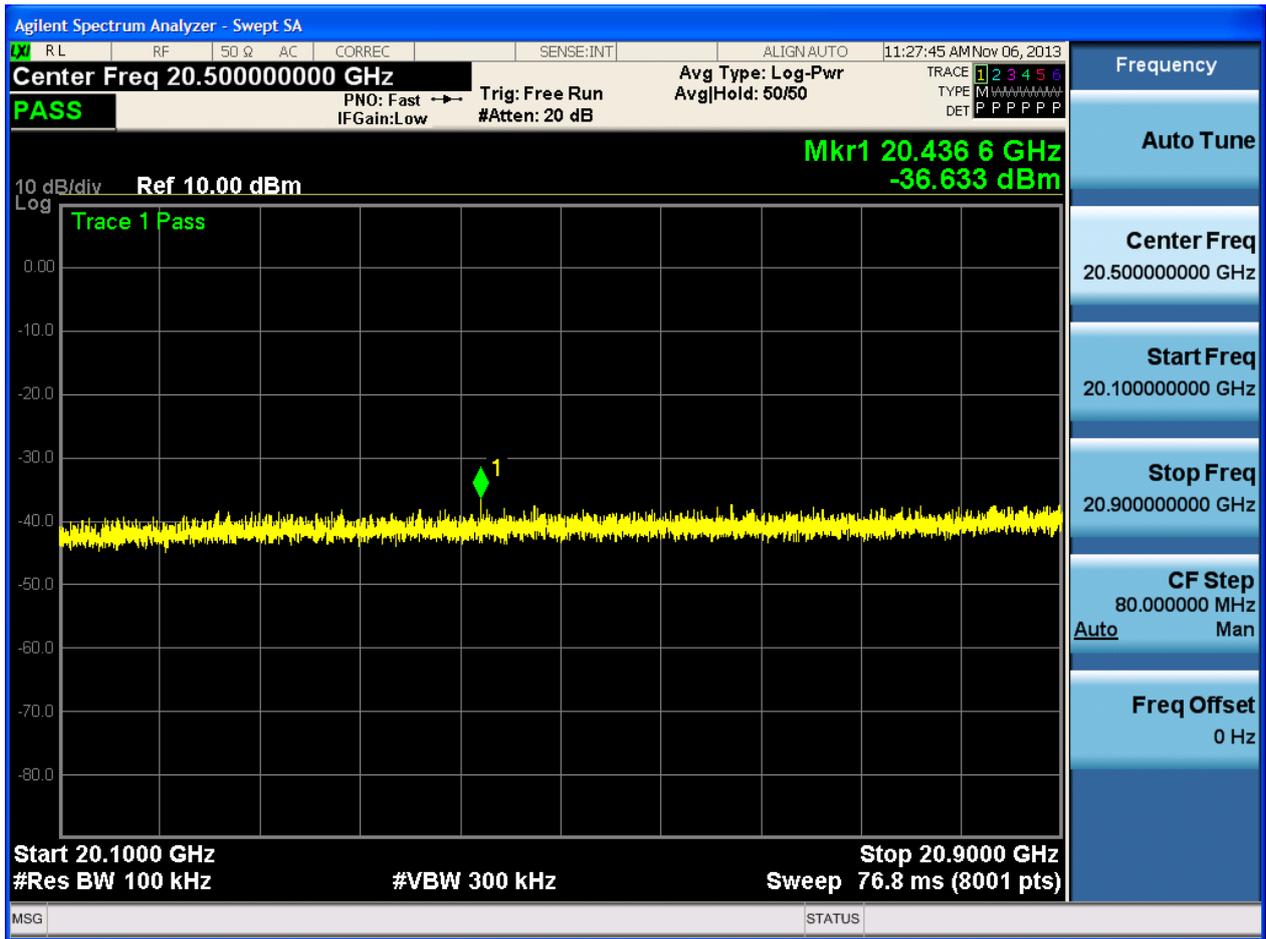


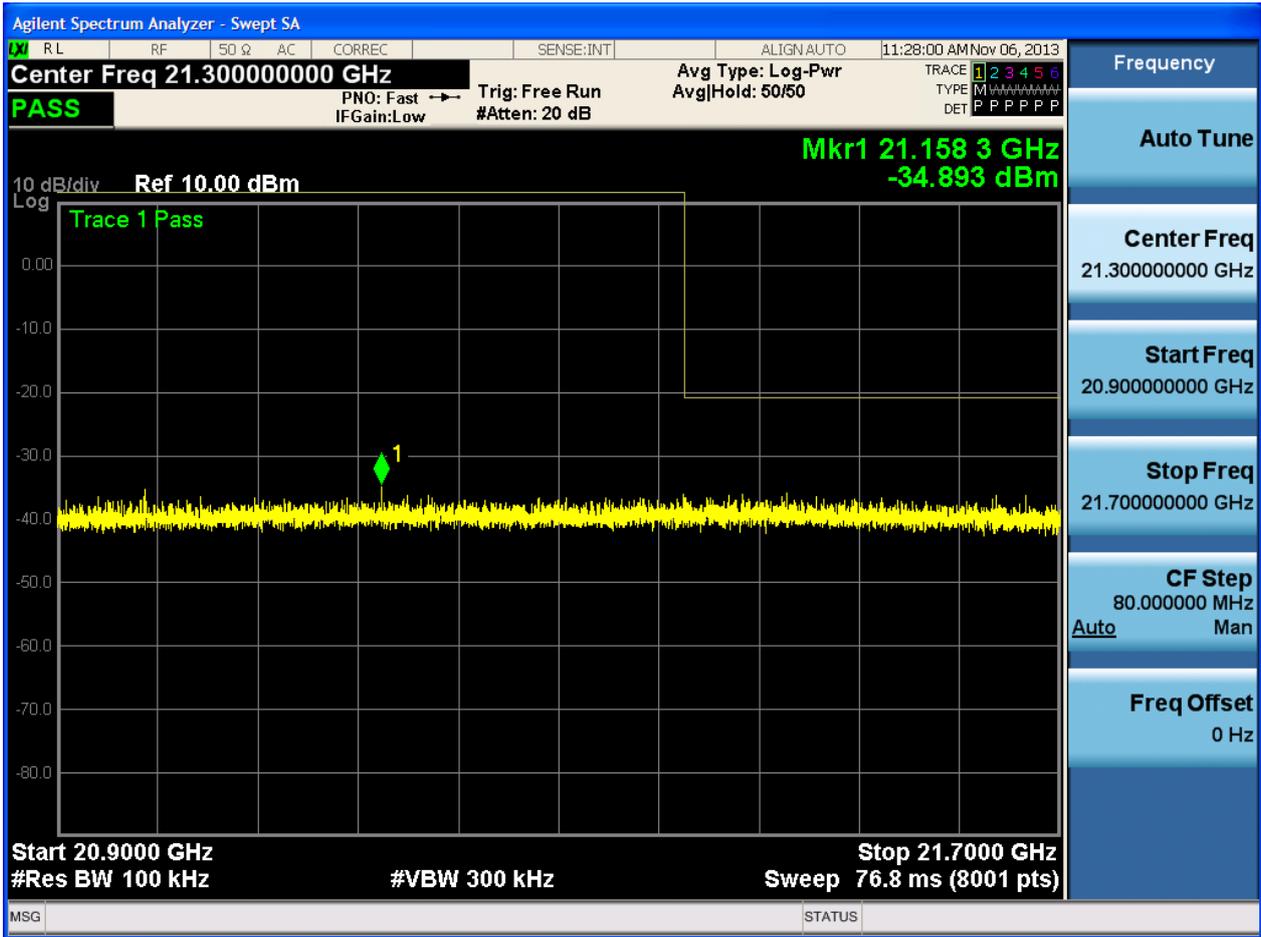


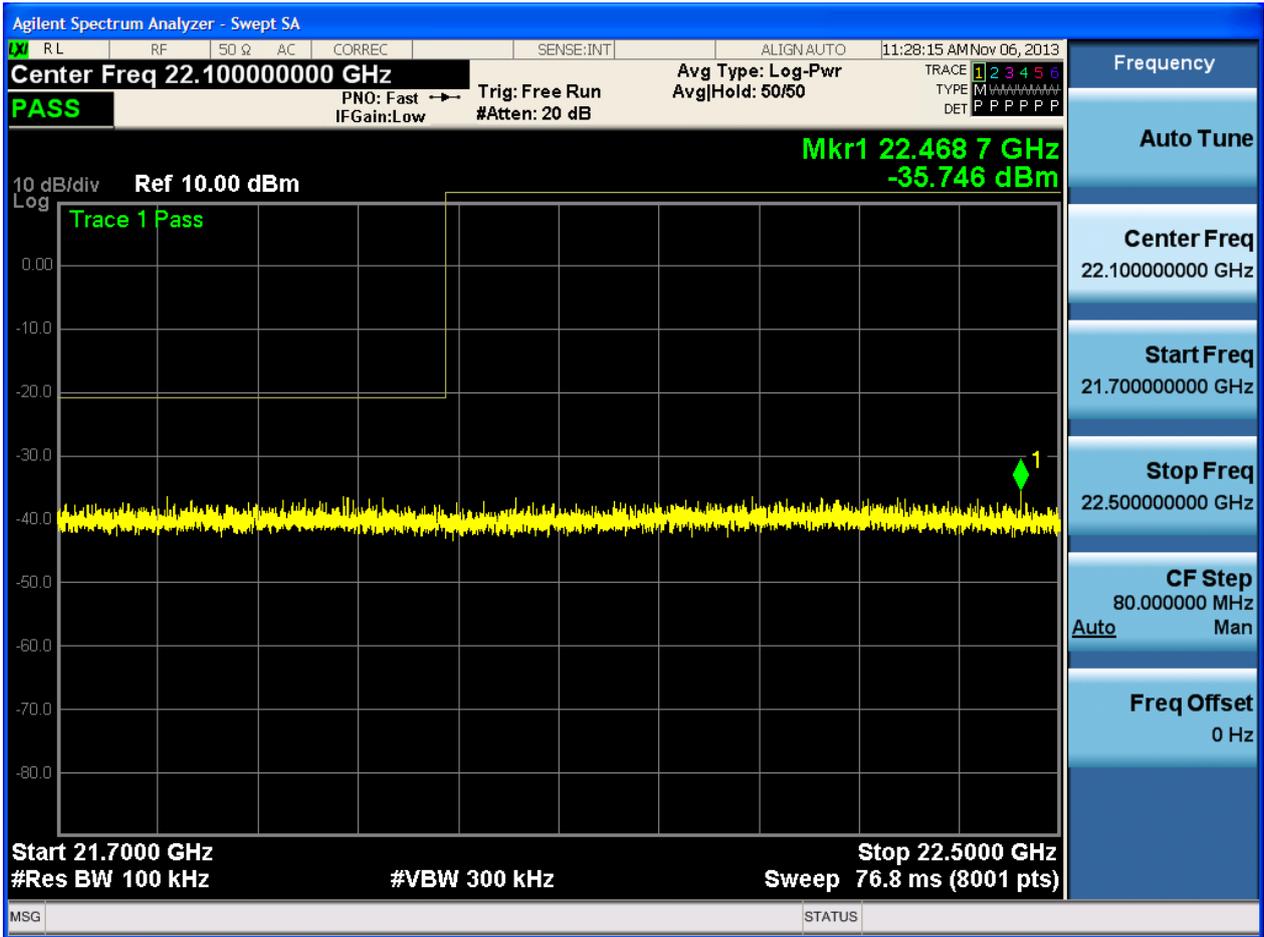


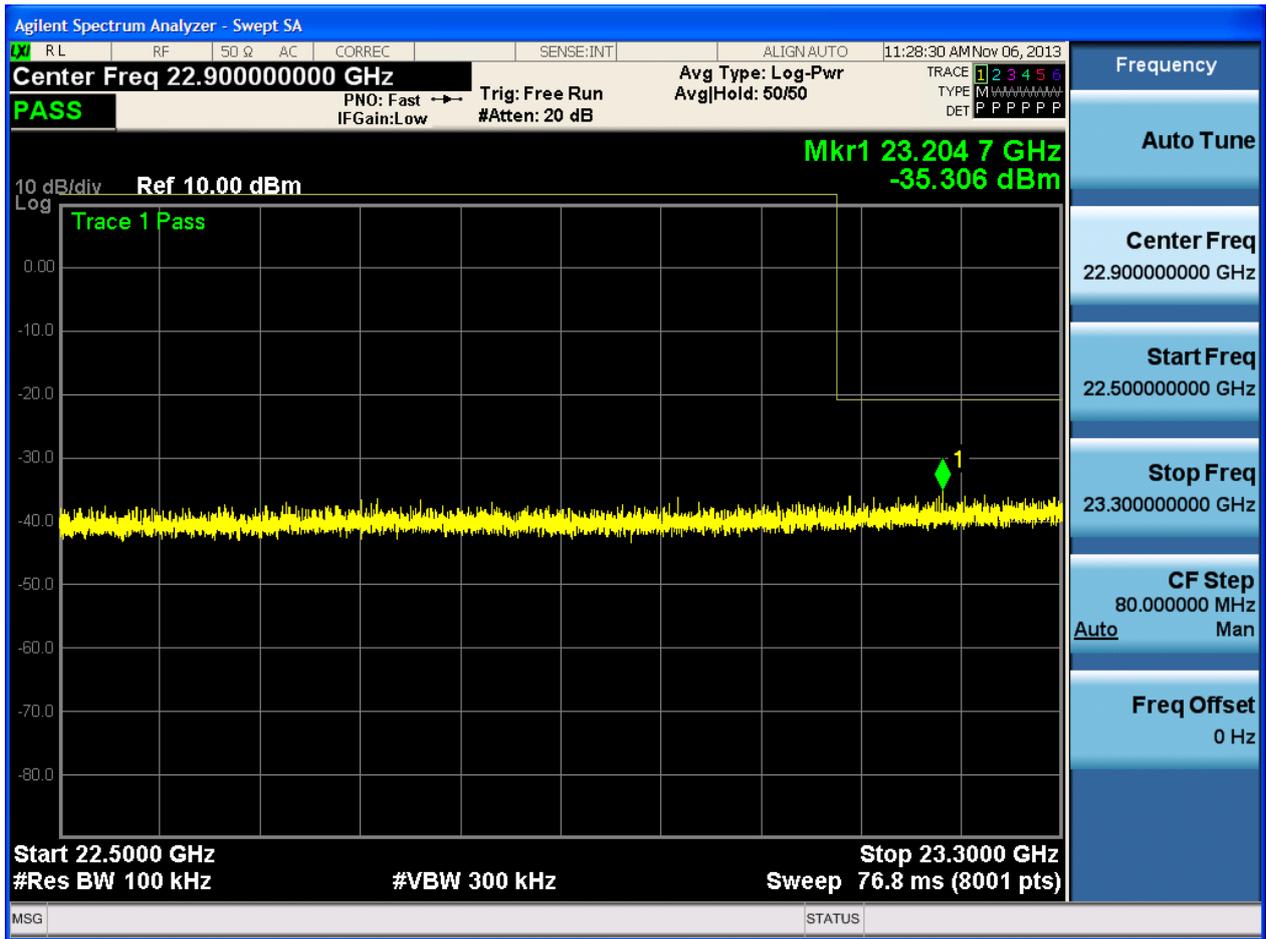


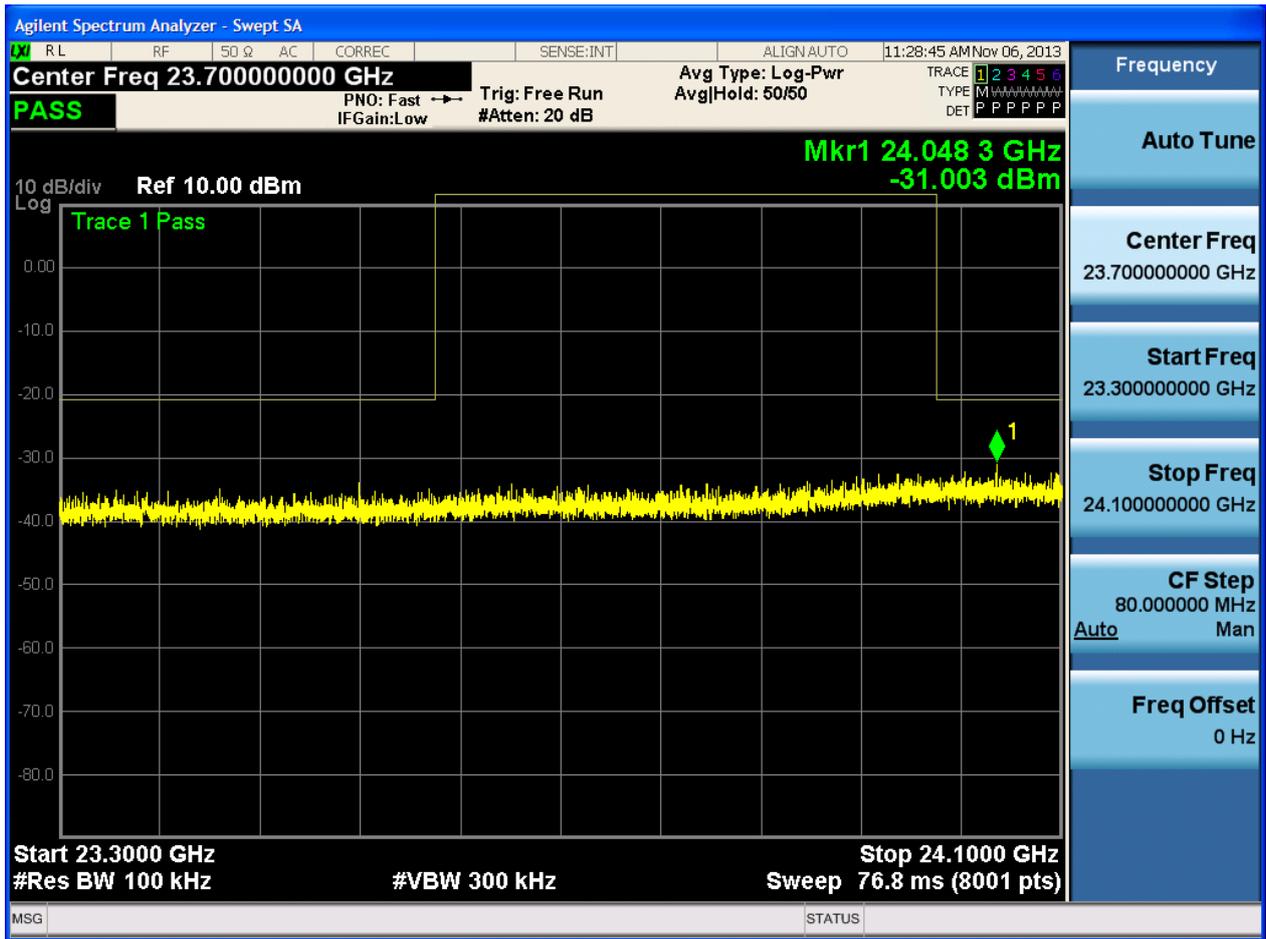


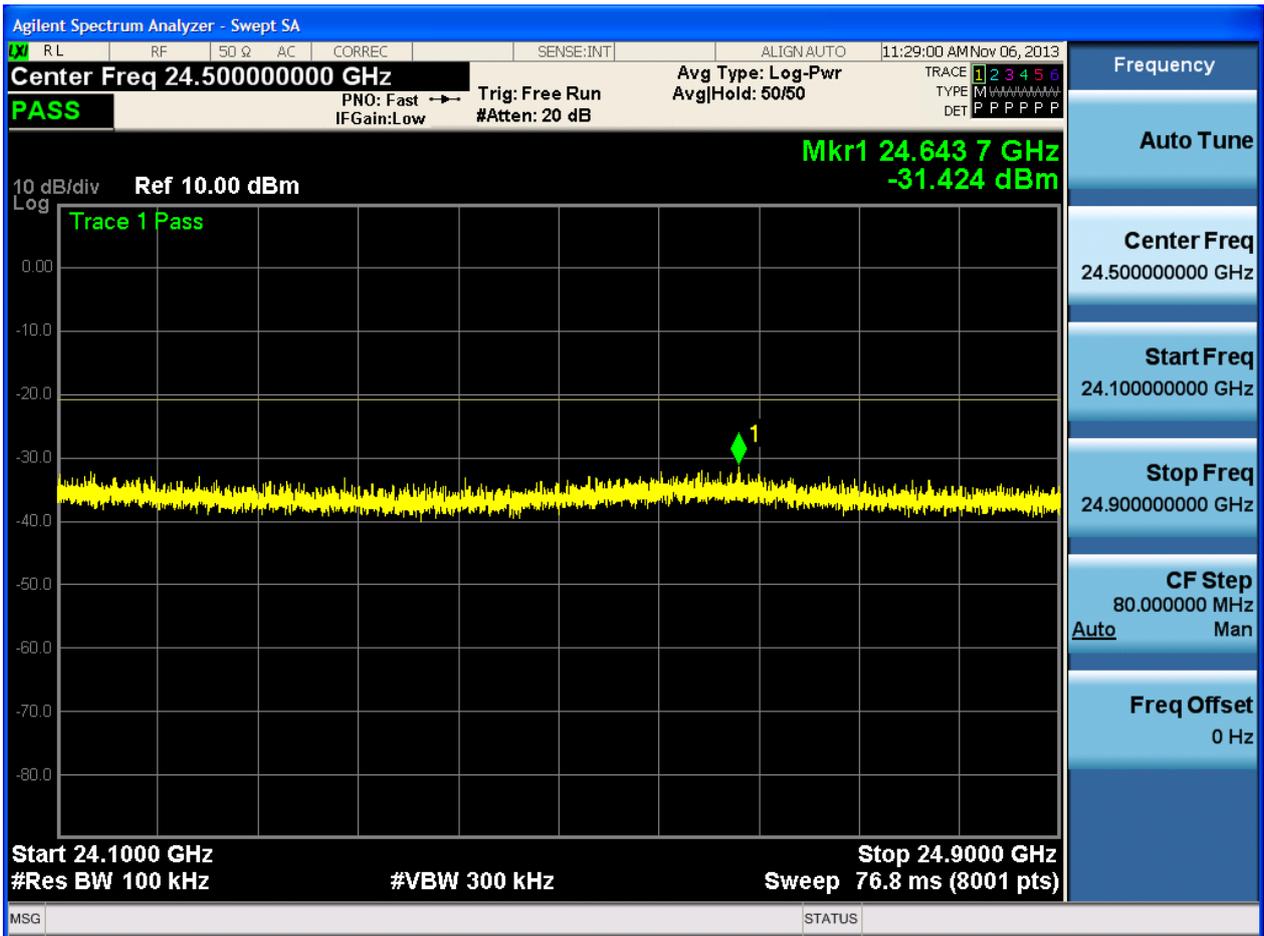


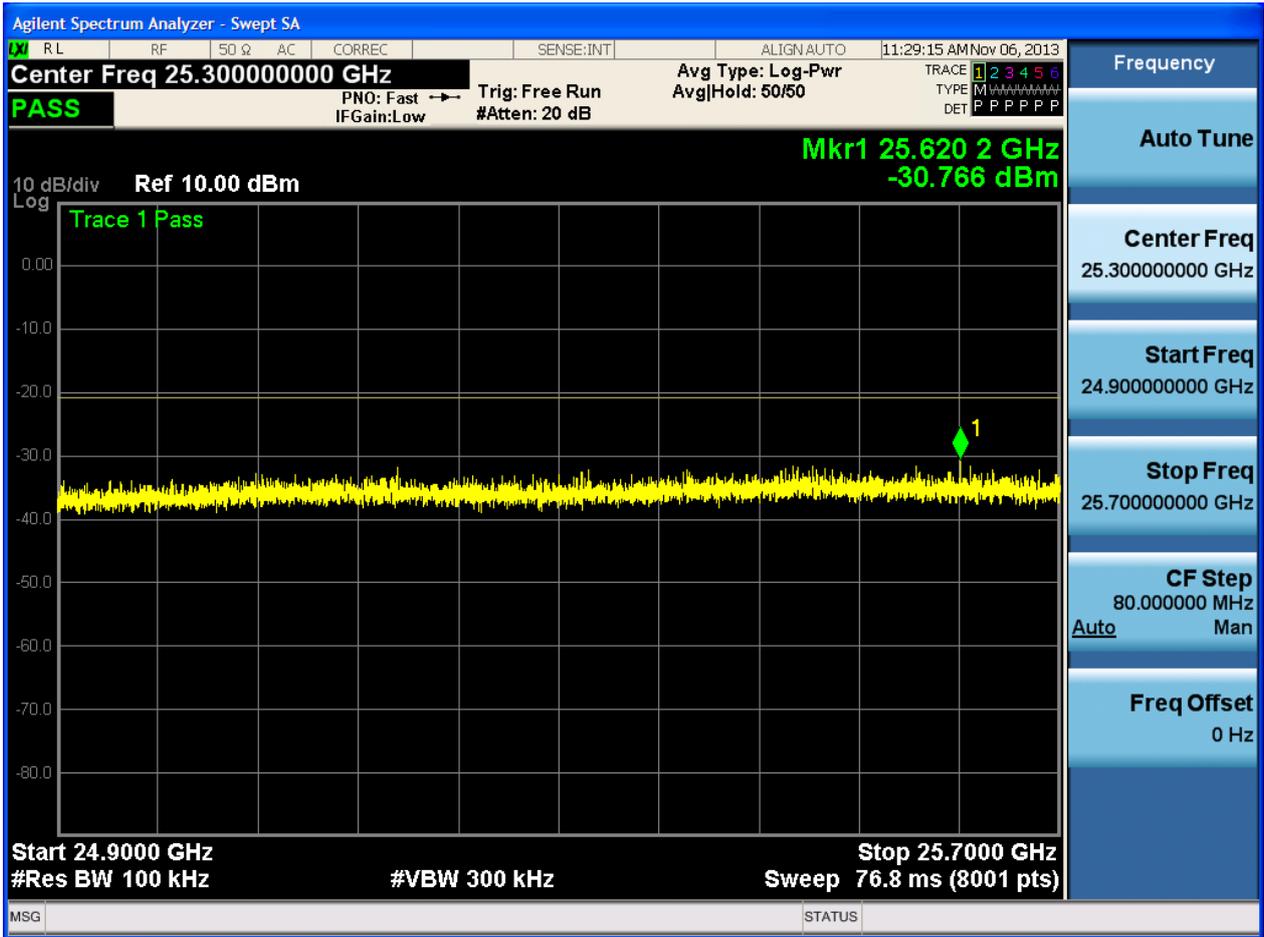


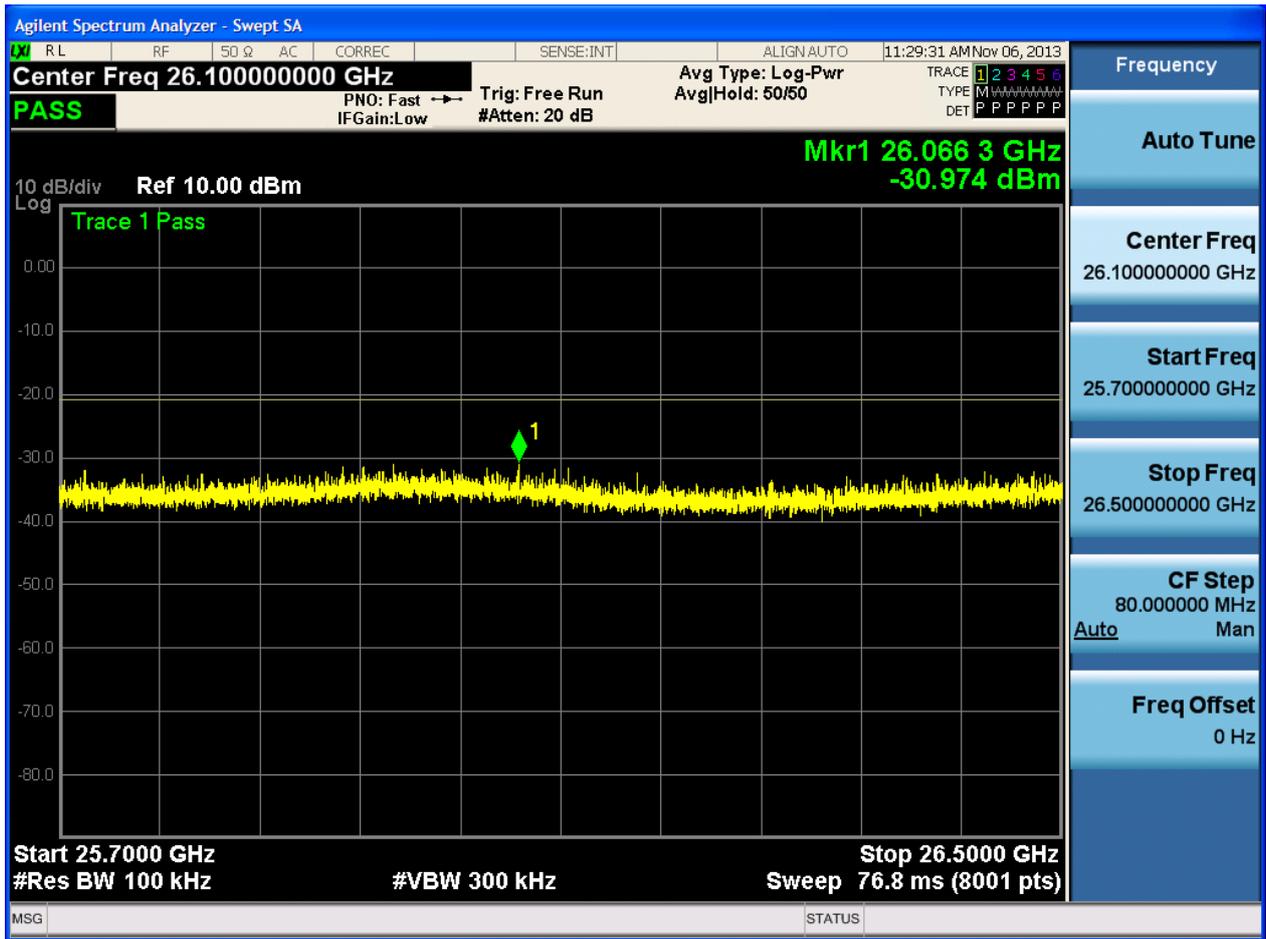






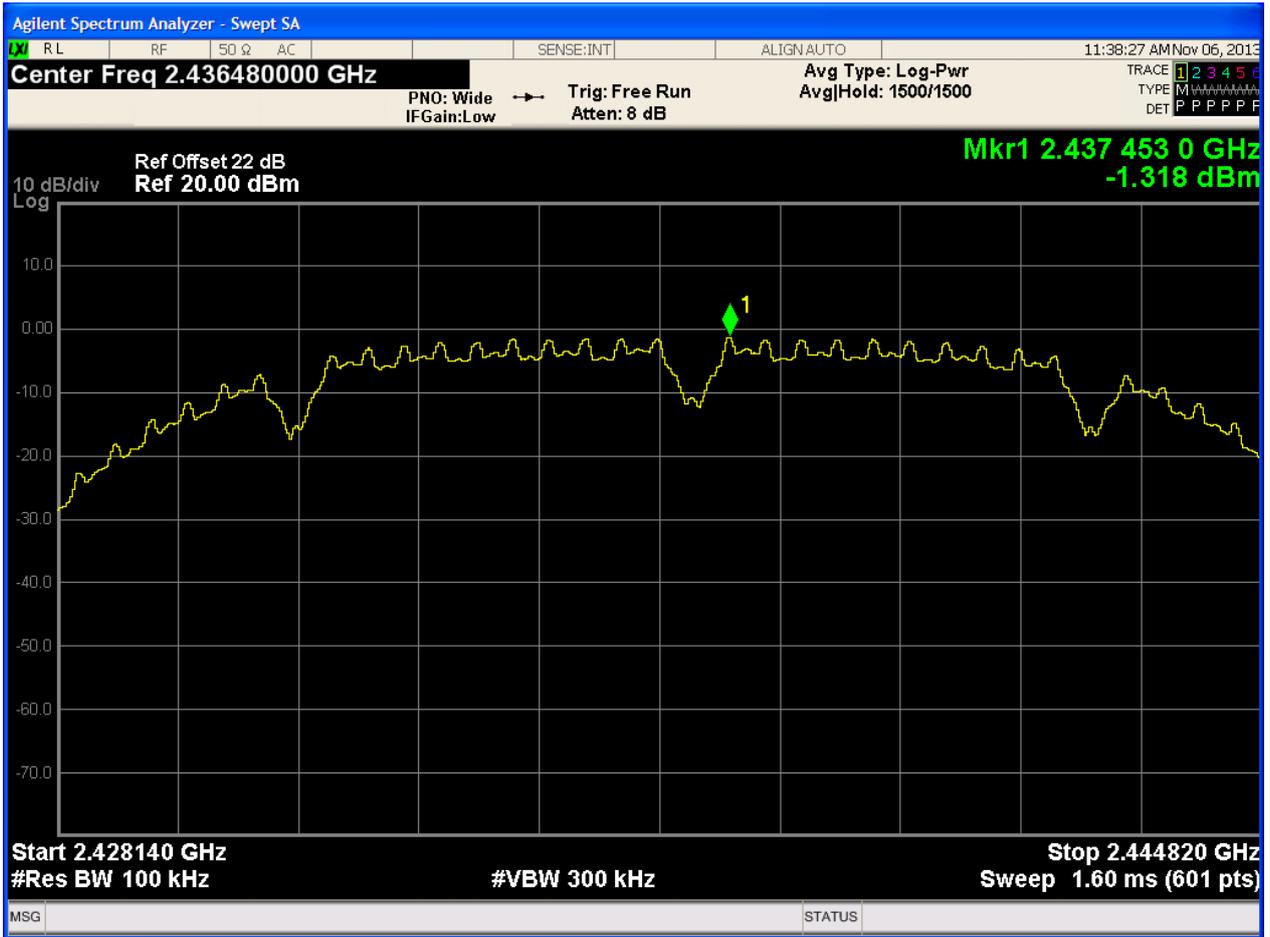






## 2.2 11B/1\_M@1

### 2.2.1 Pref



## 2.2.2 Puw

