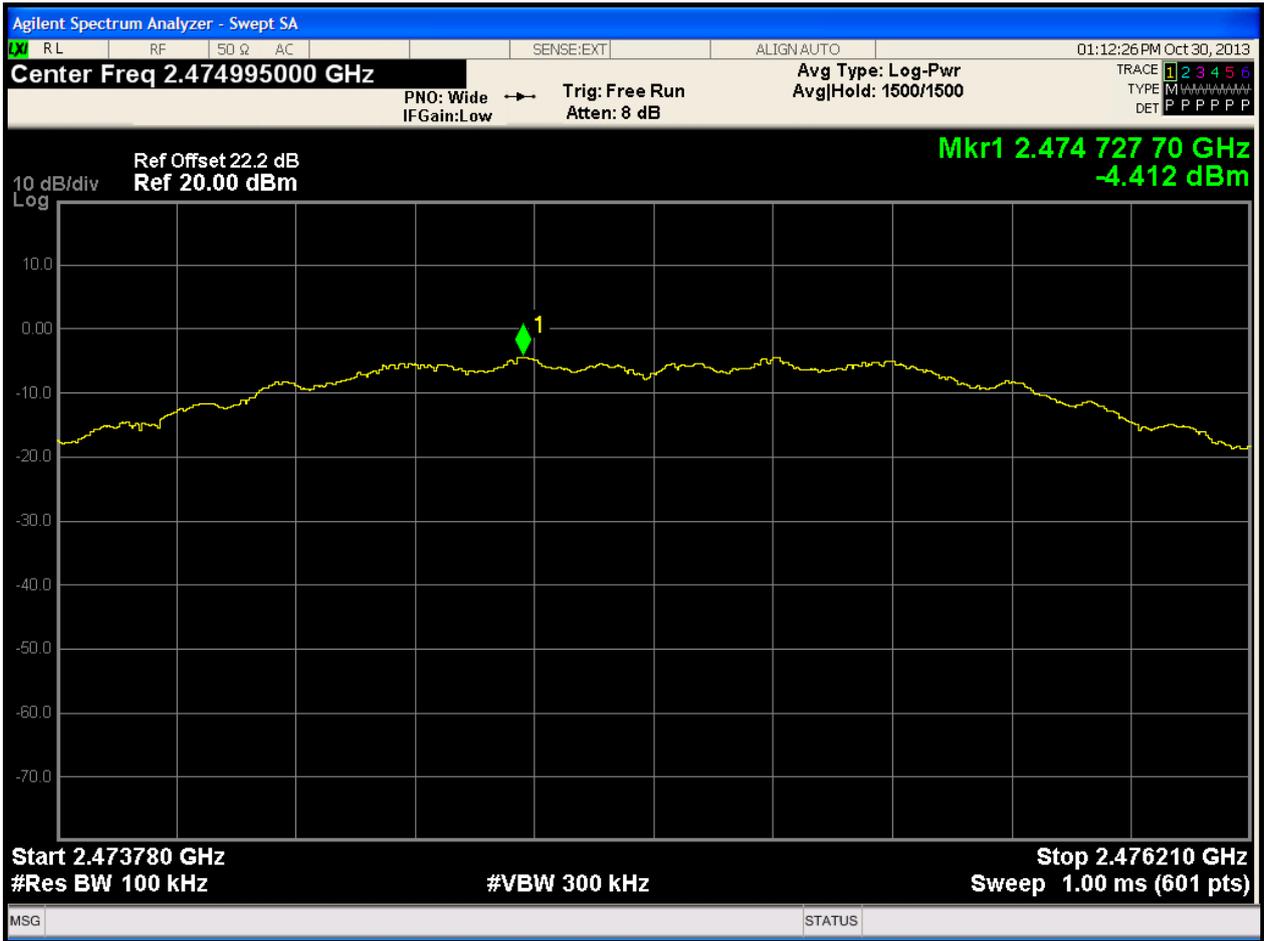


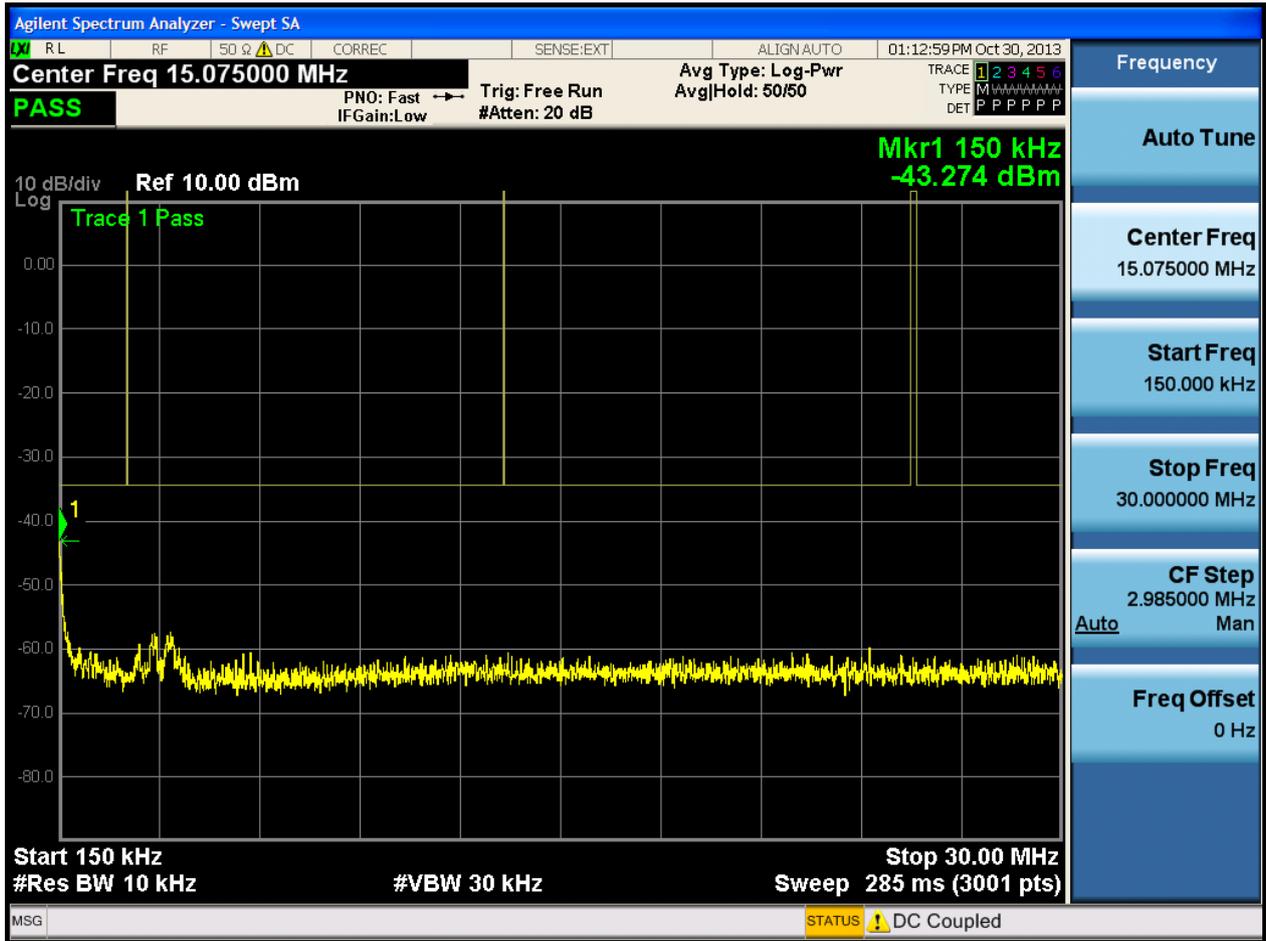
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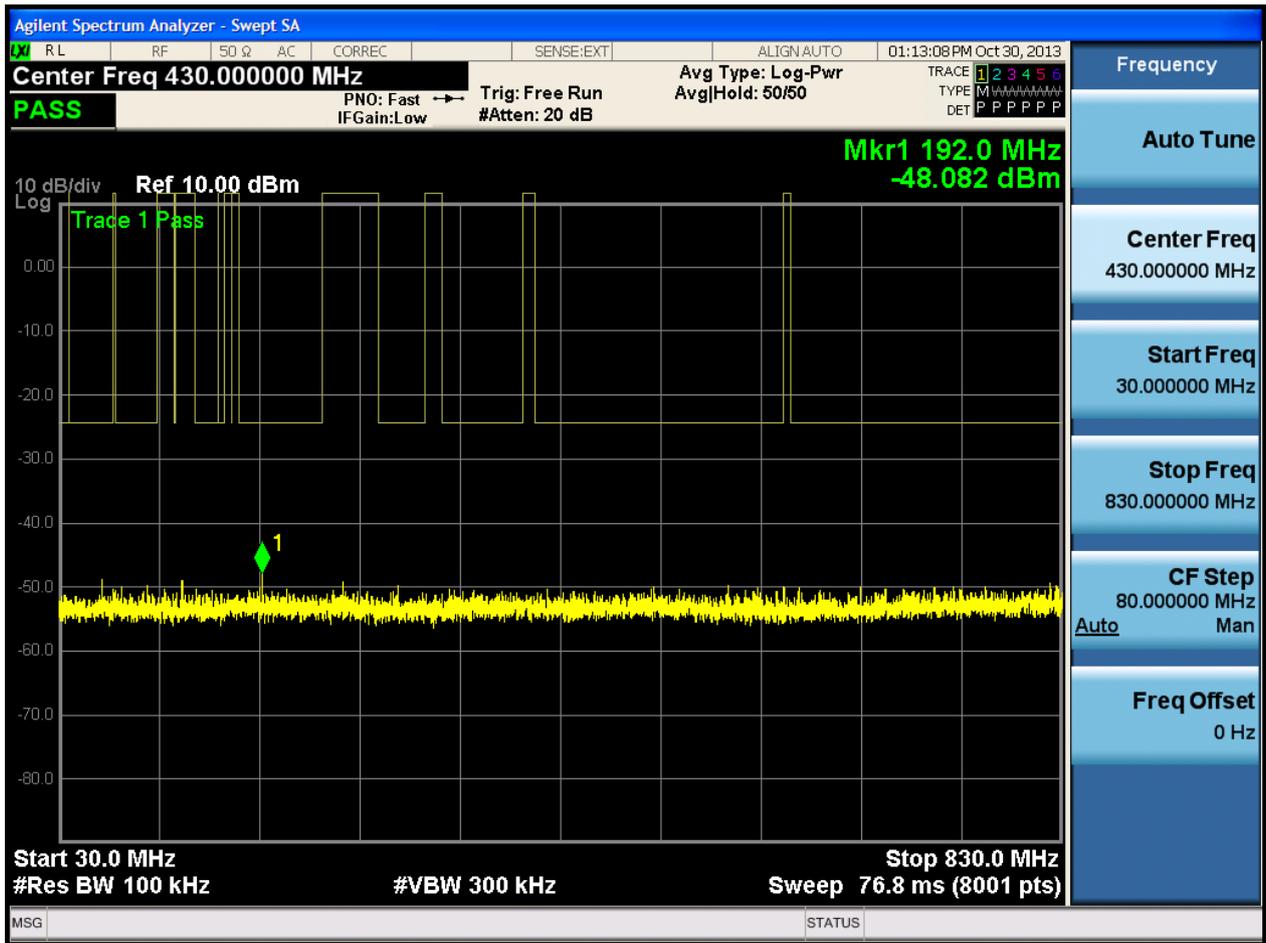
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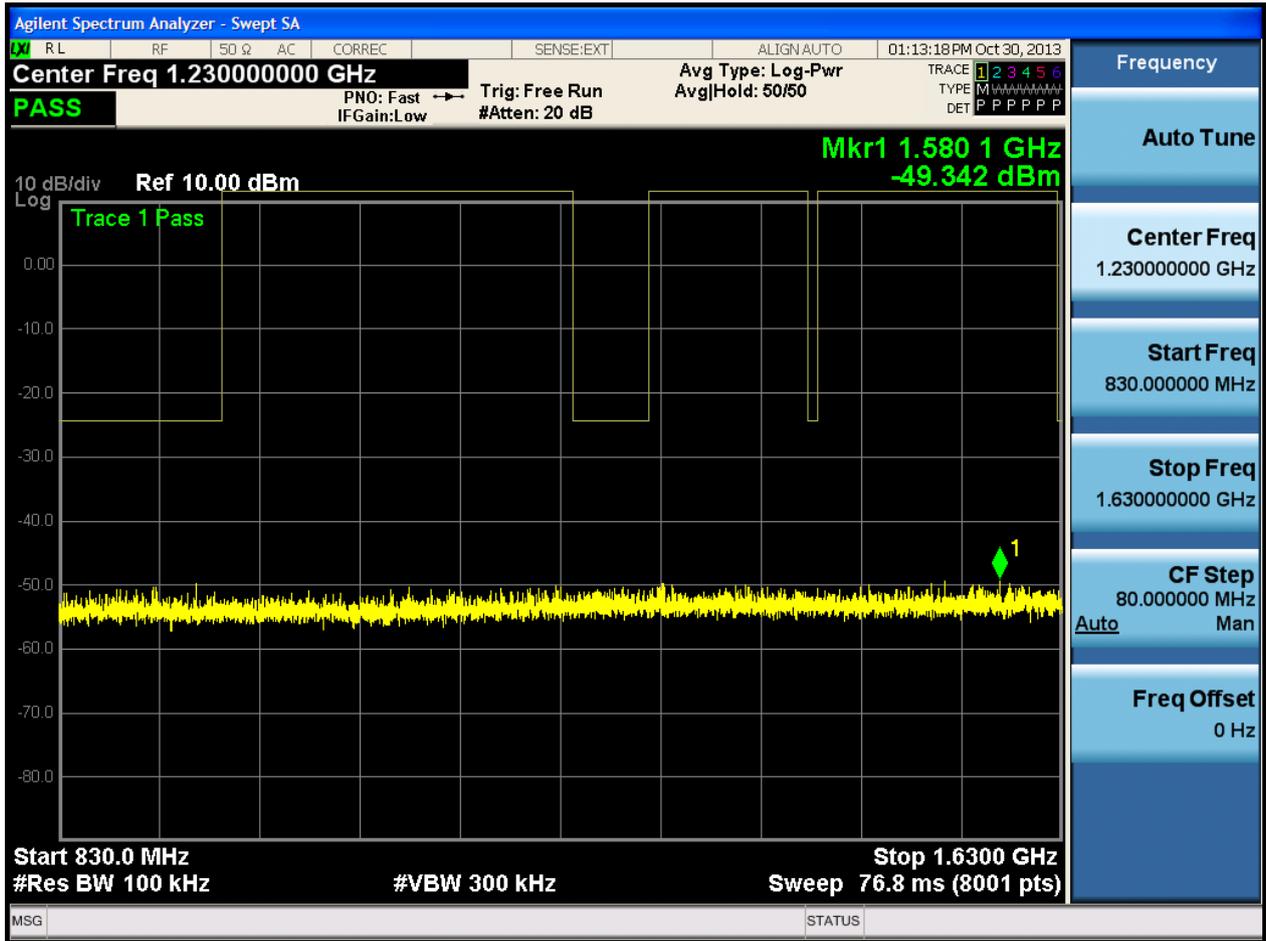


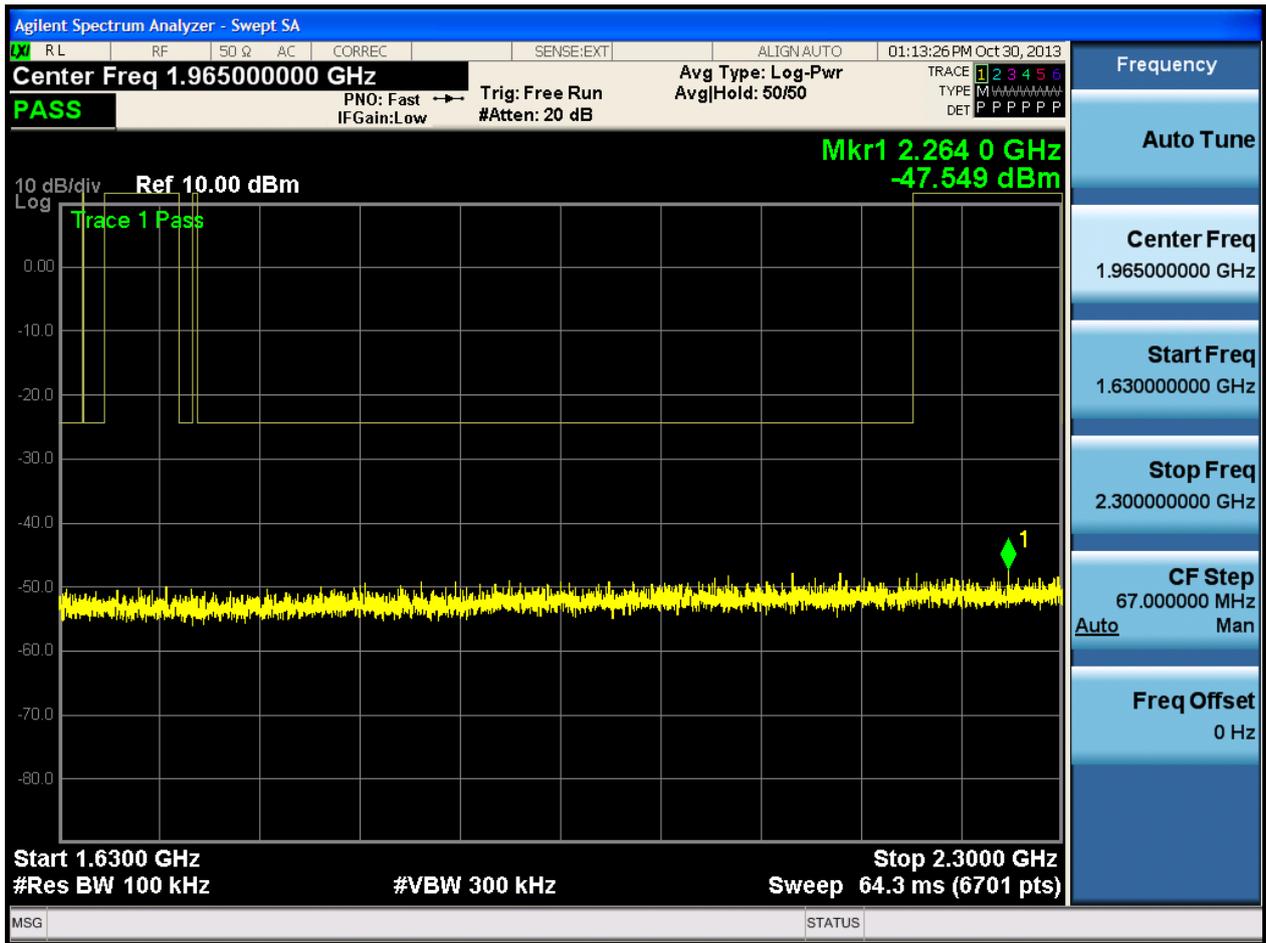
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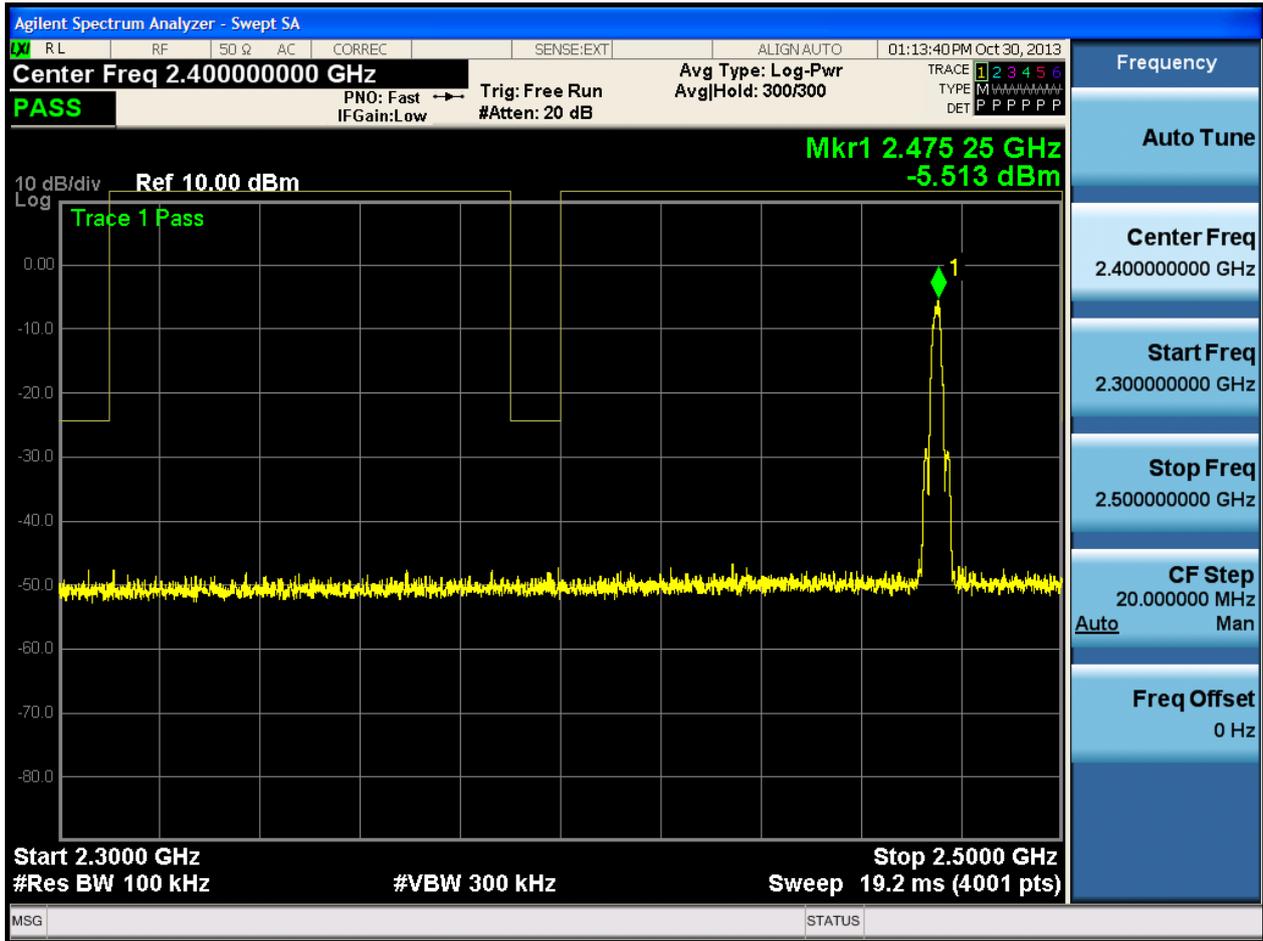


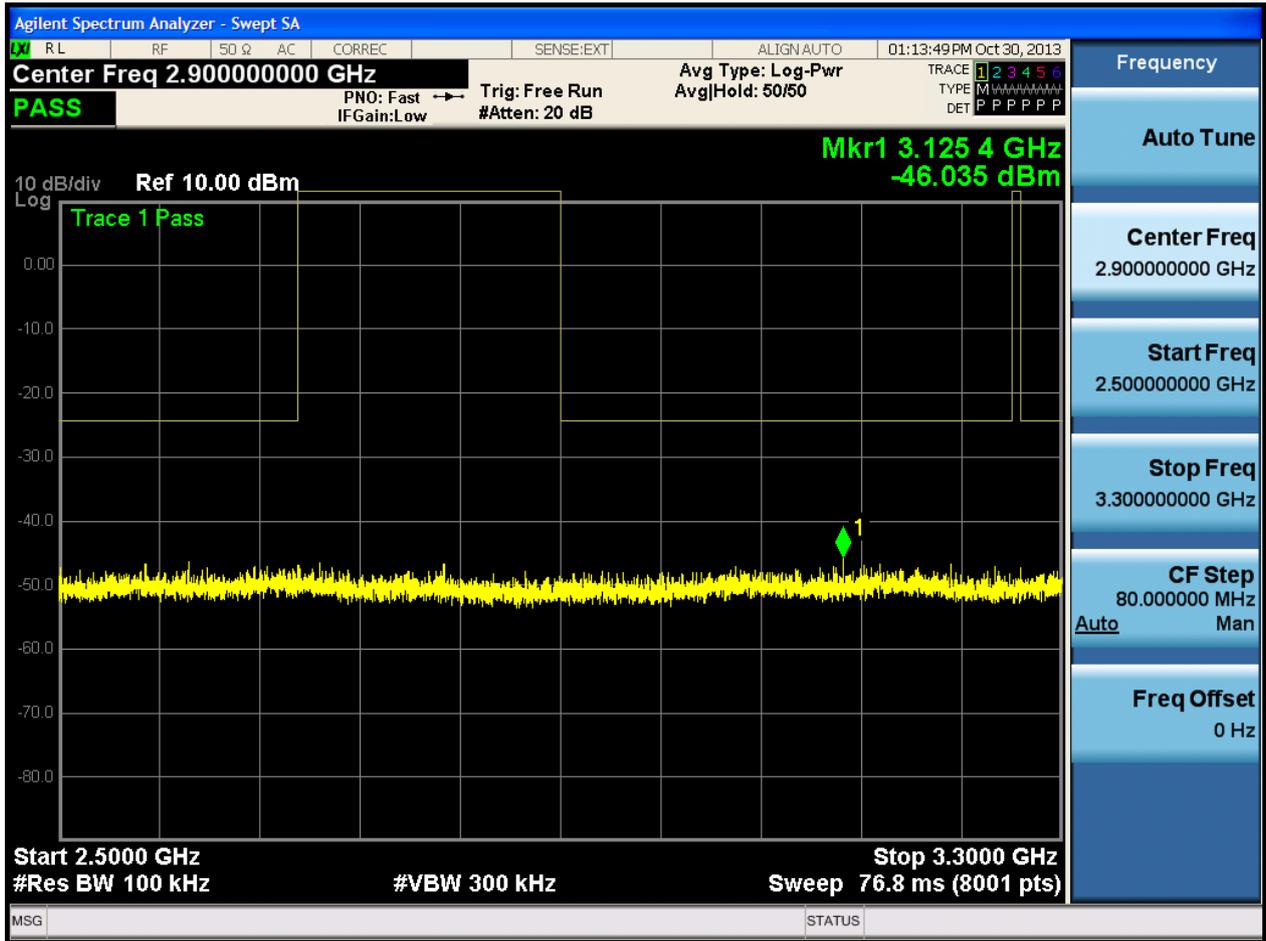


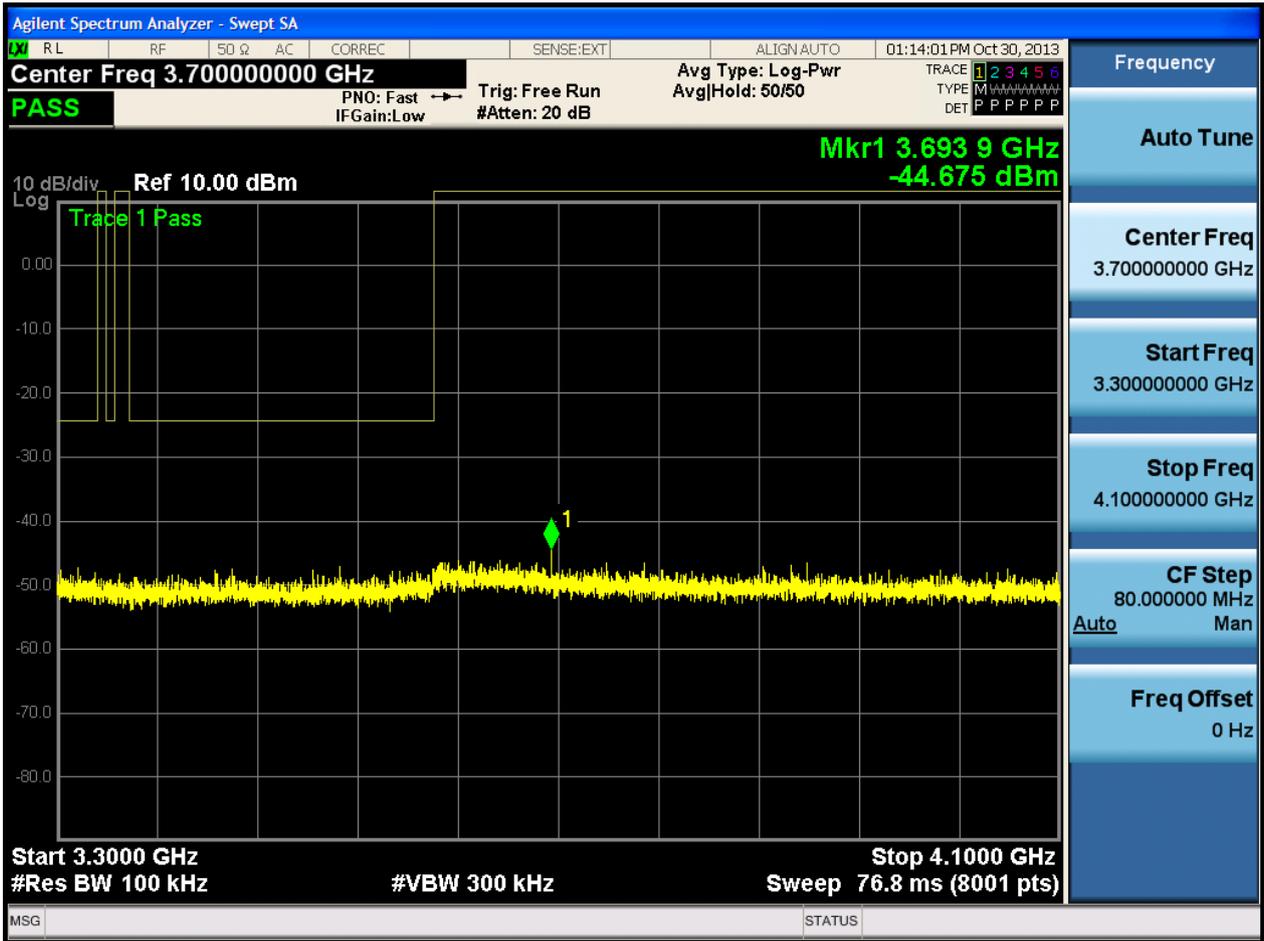


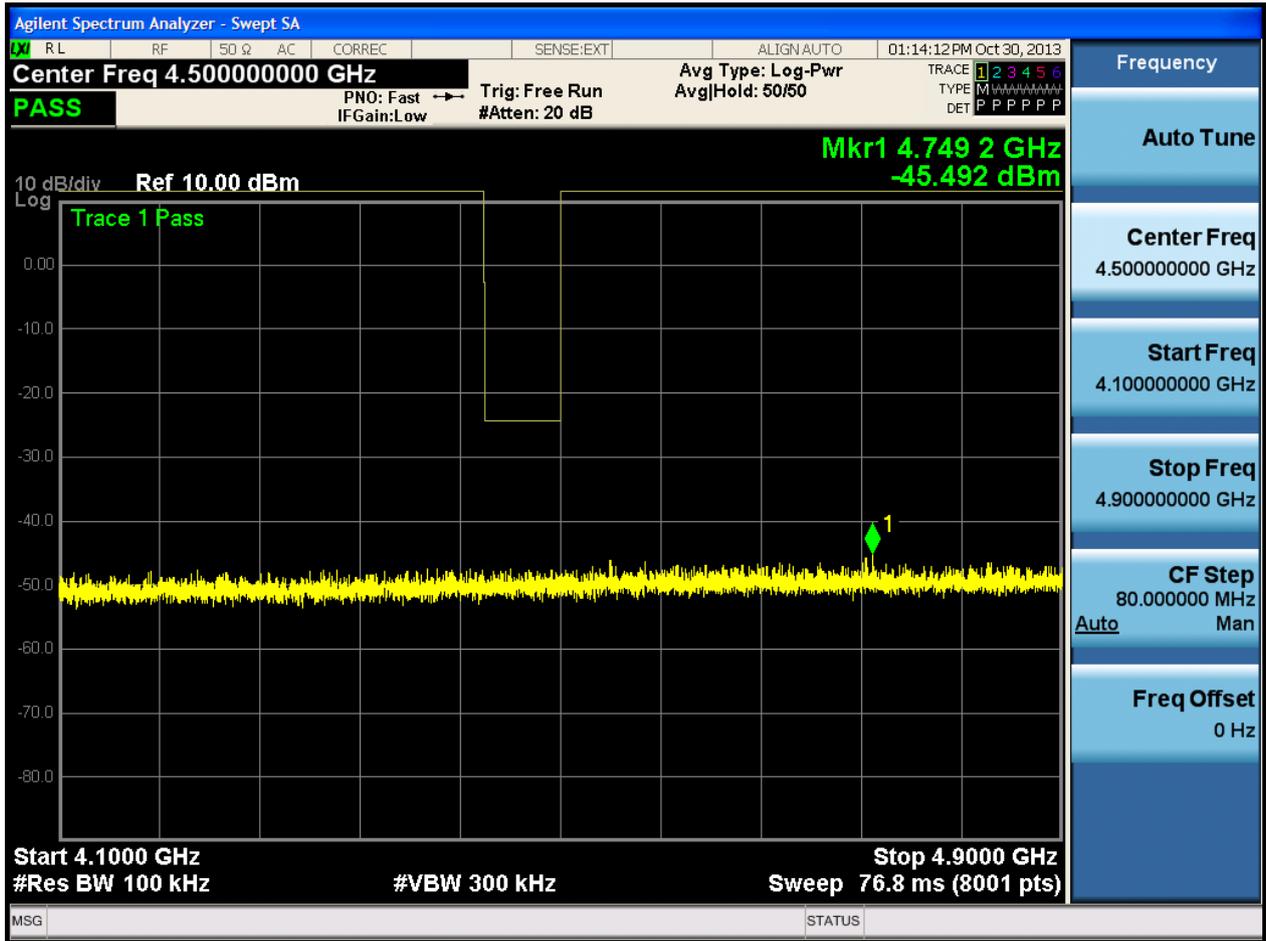


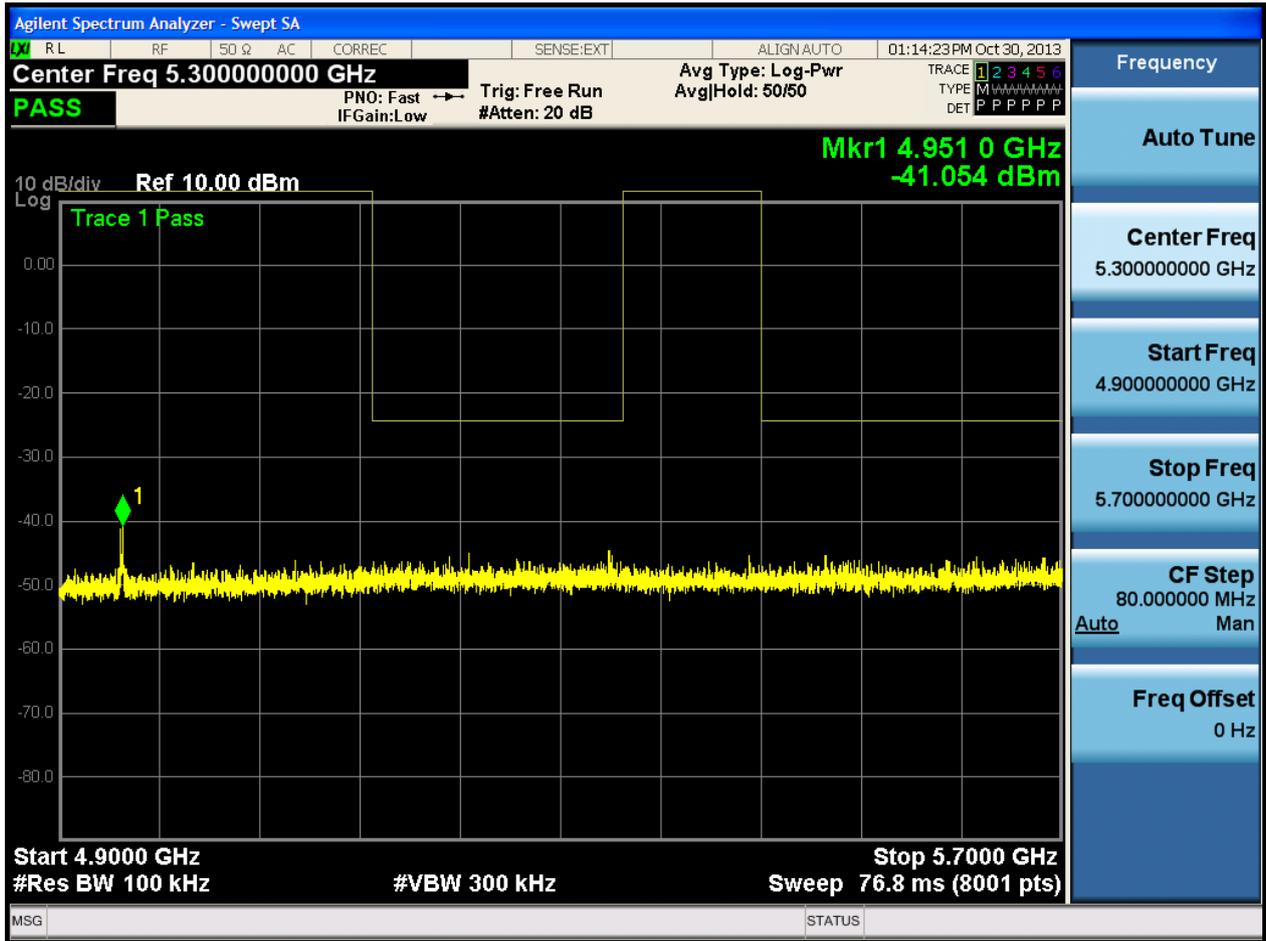


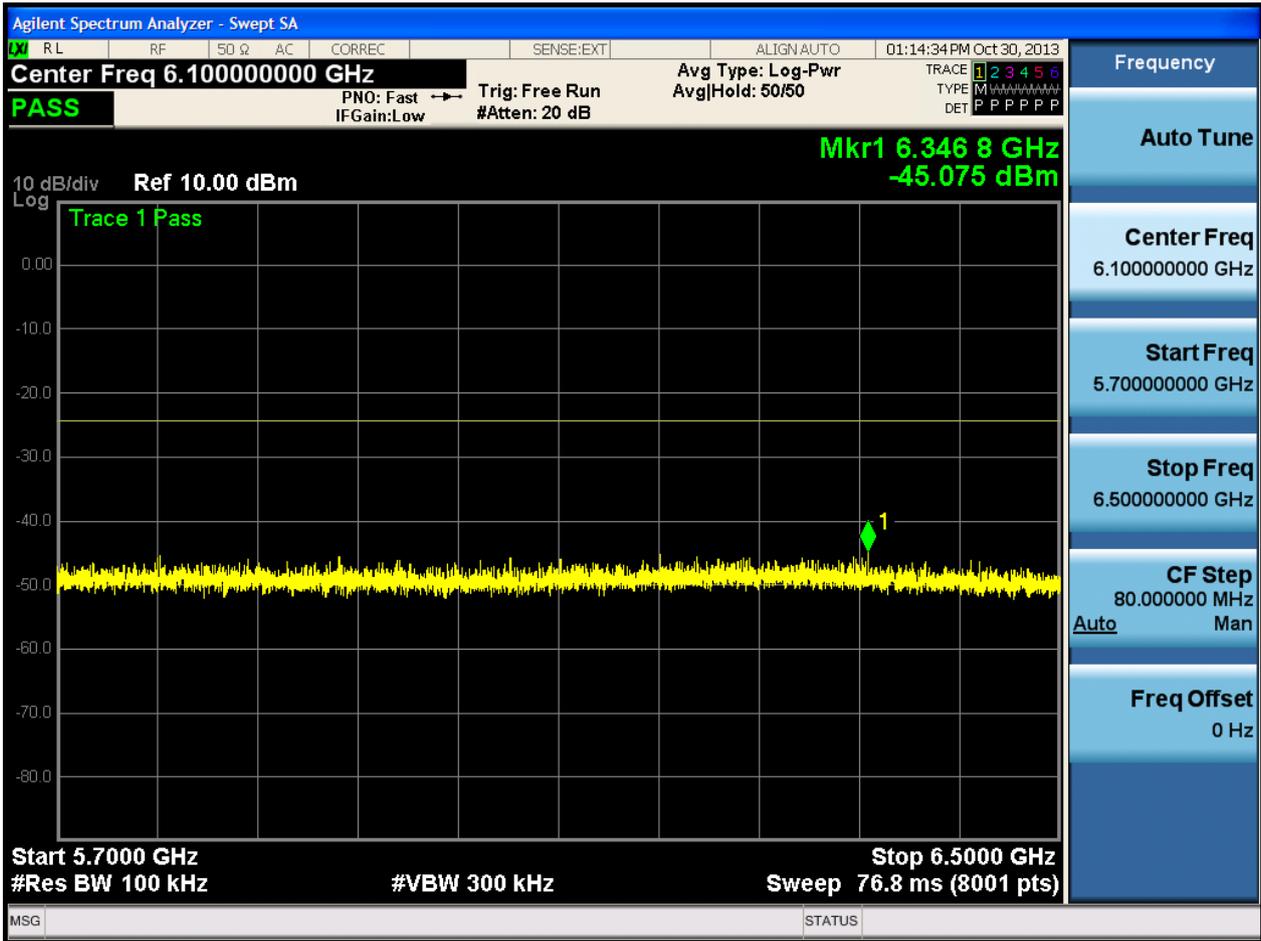


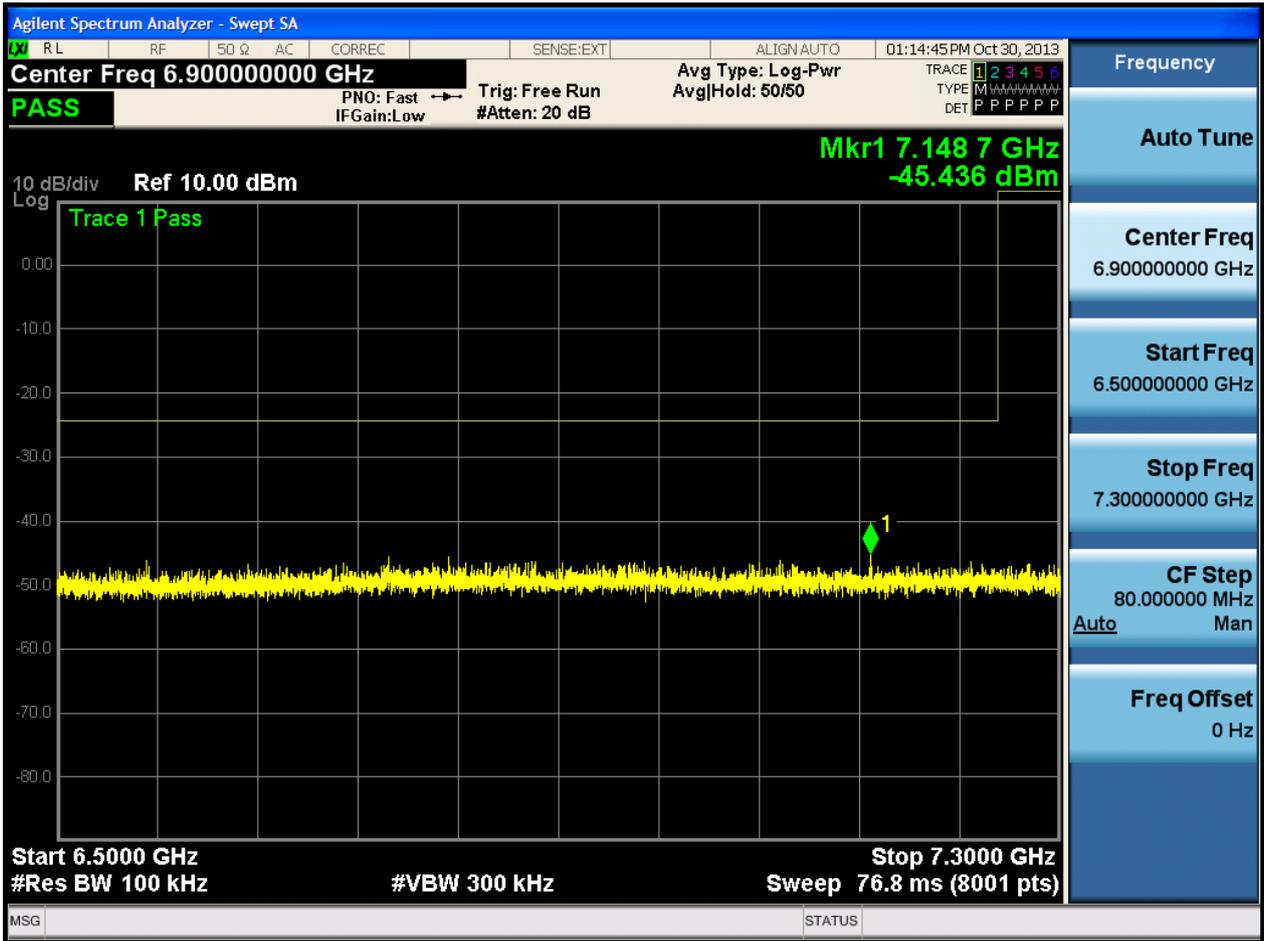


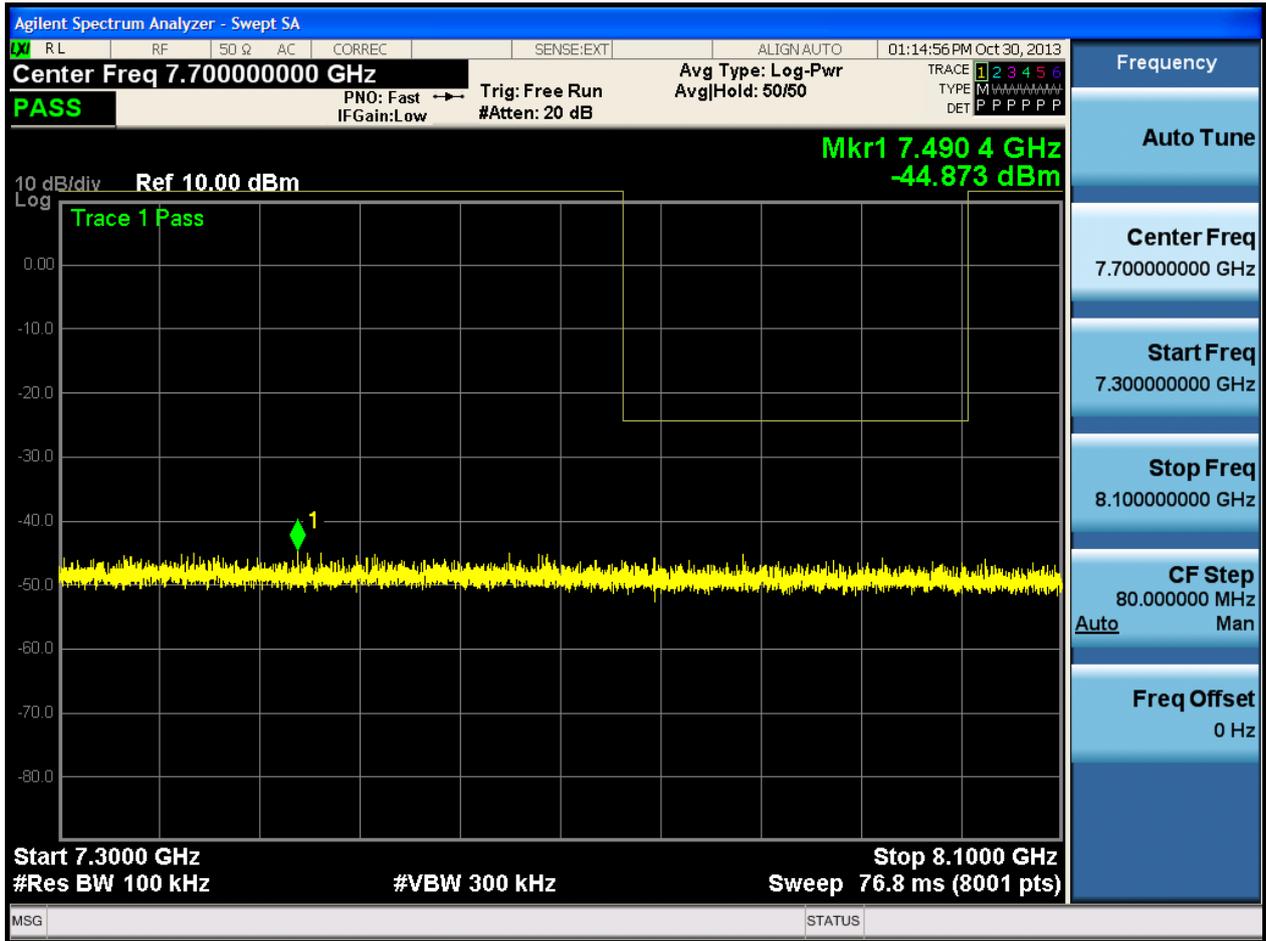


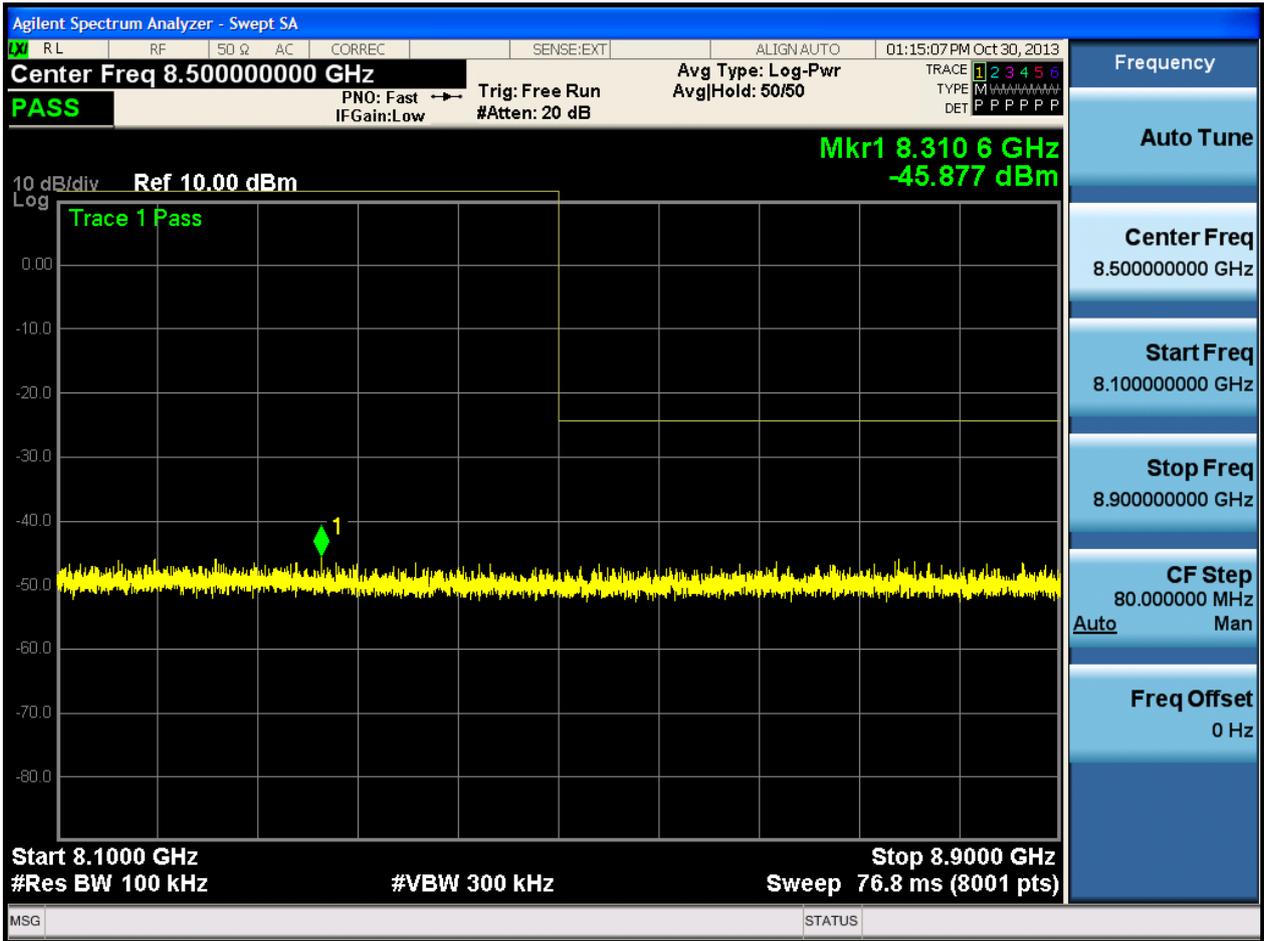


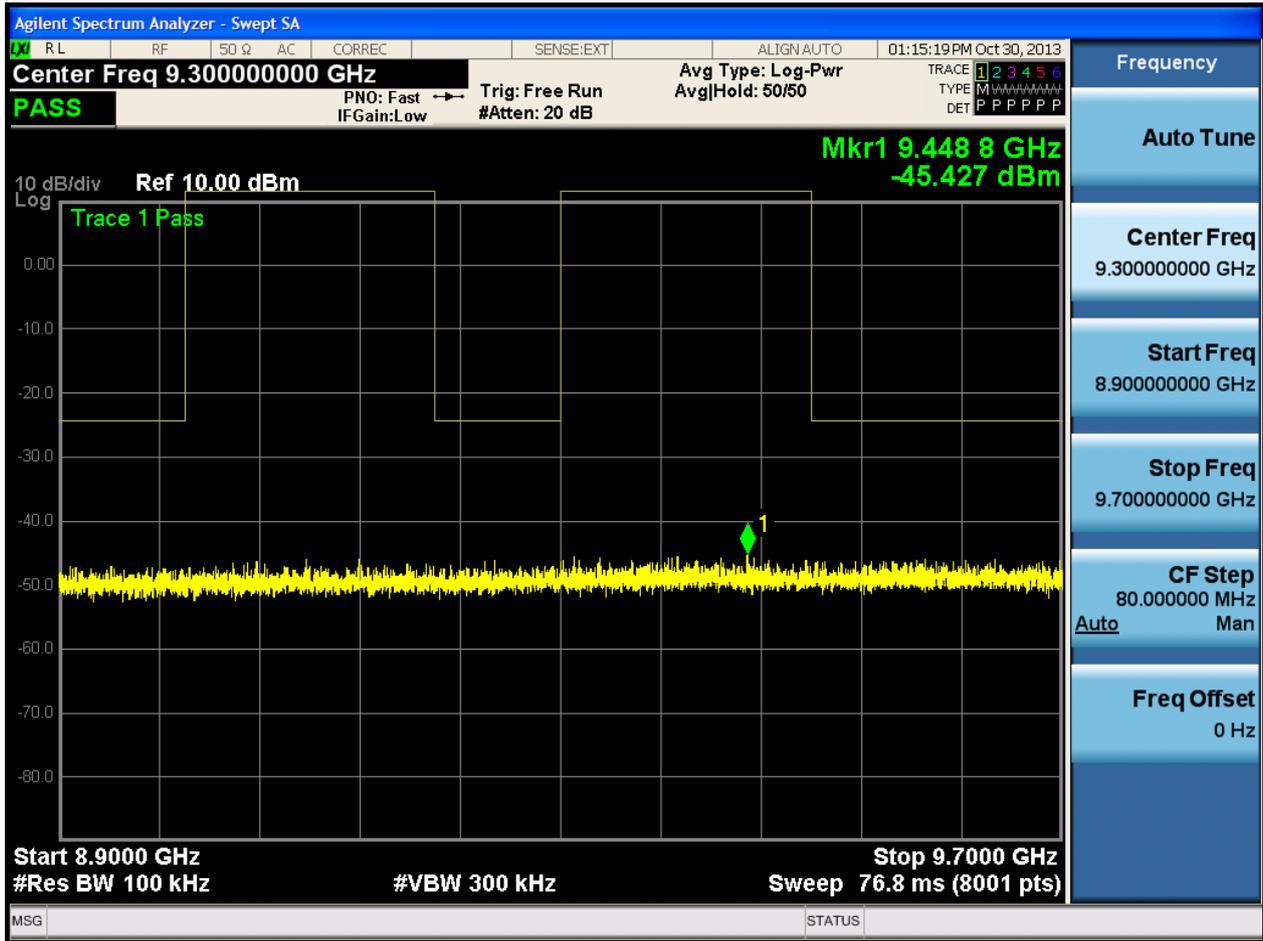


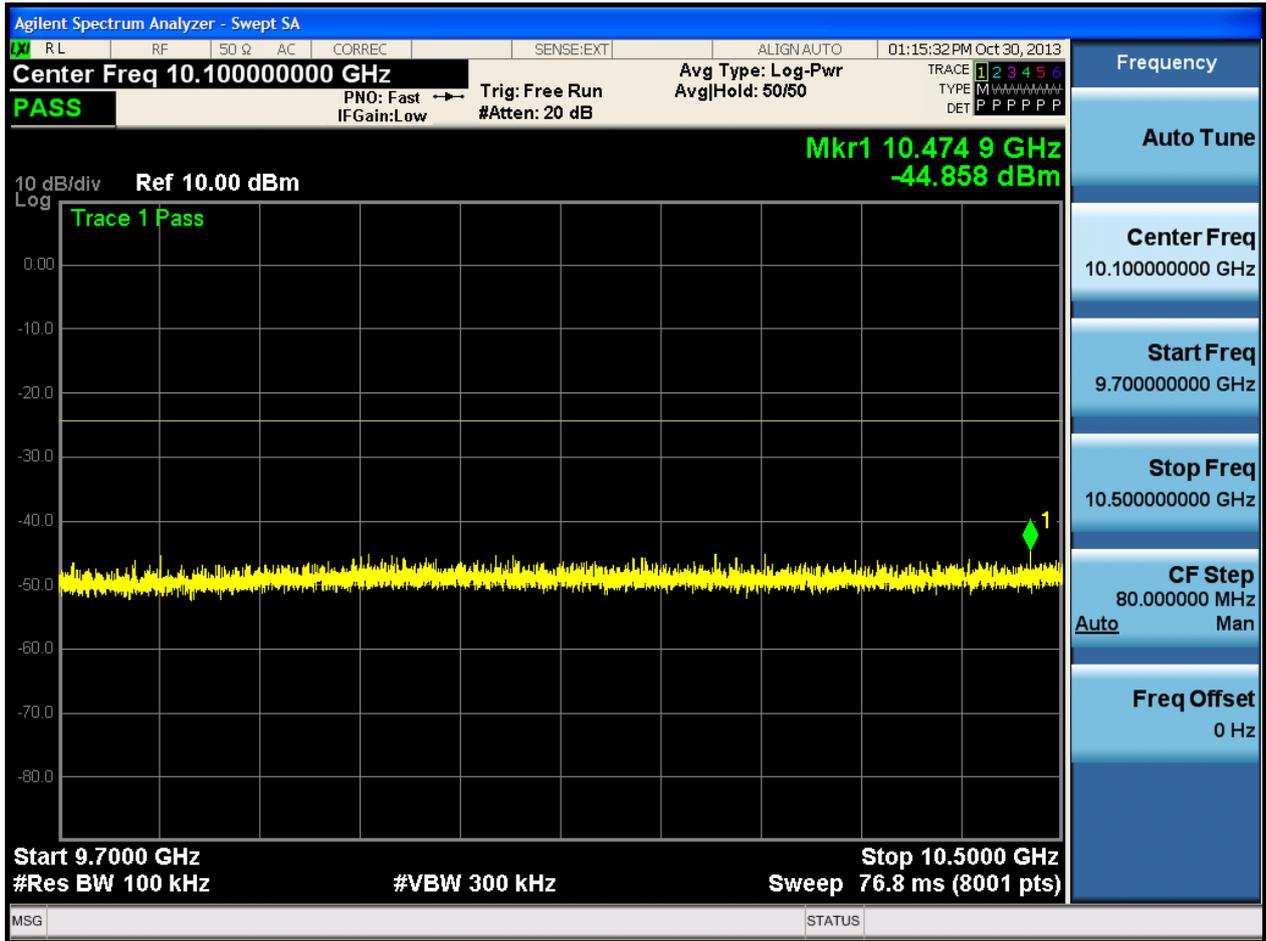


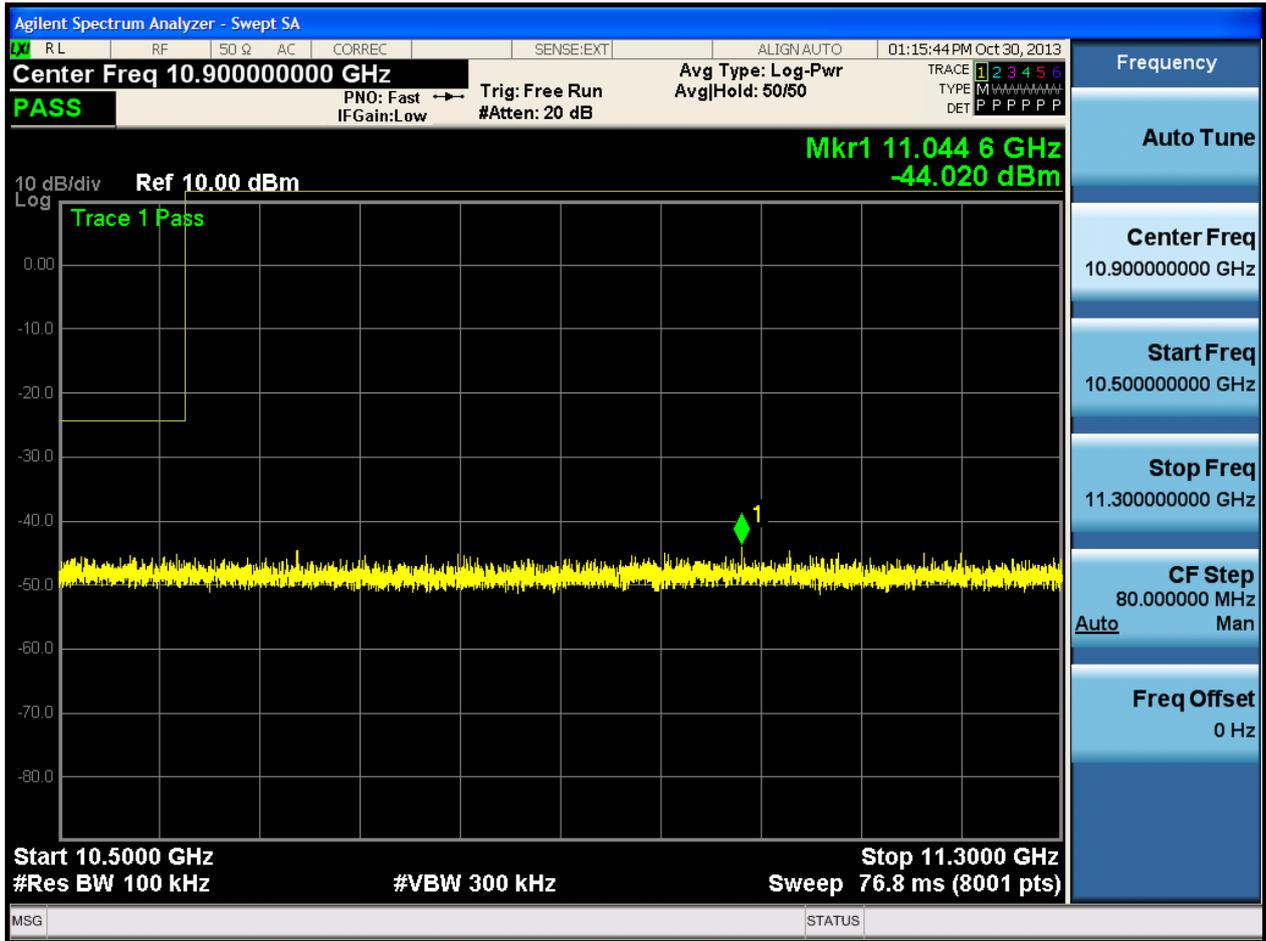


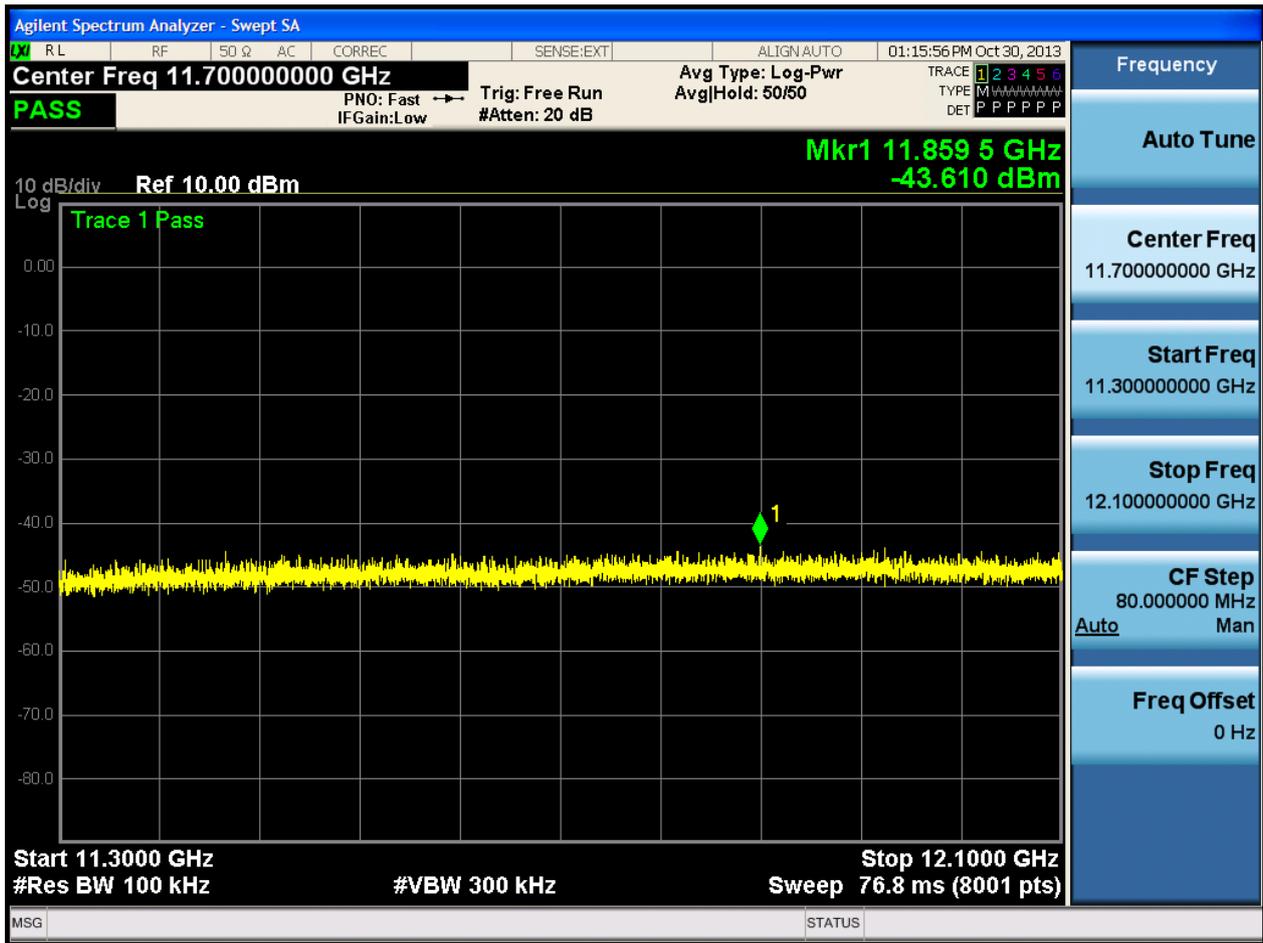


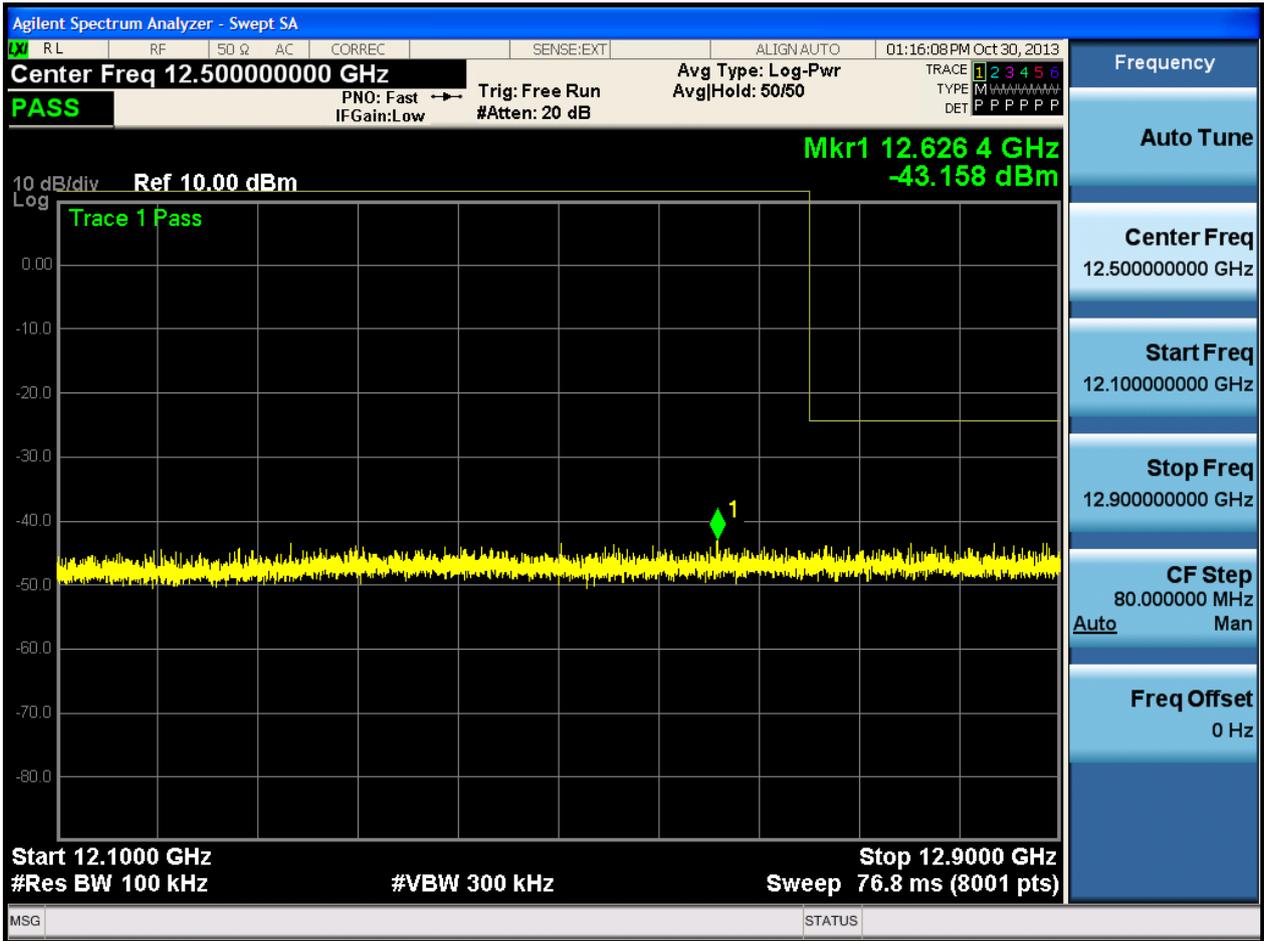


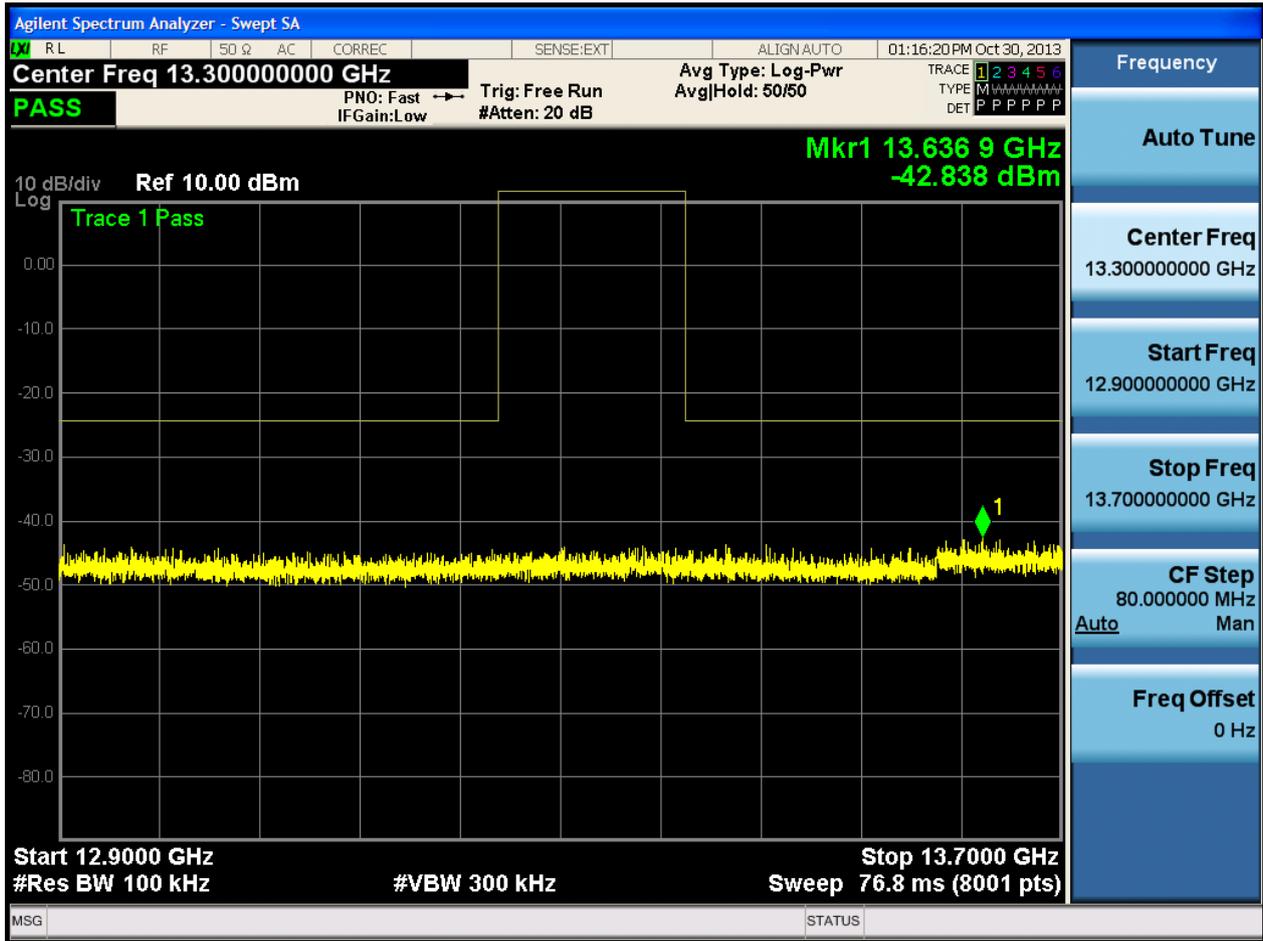


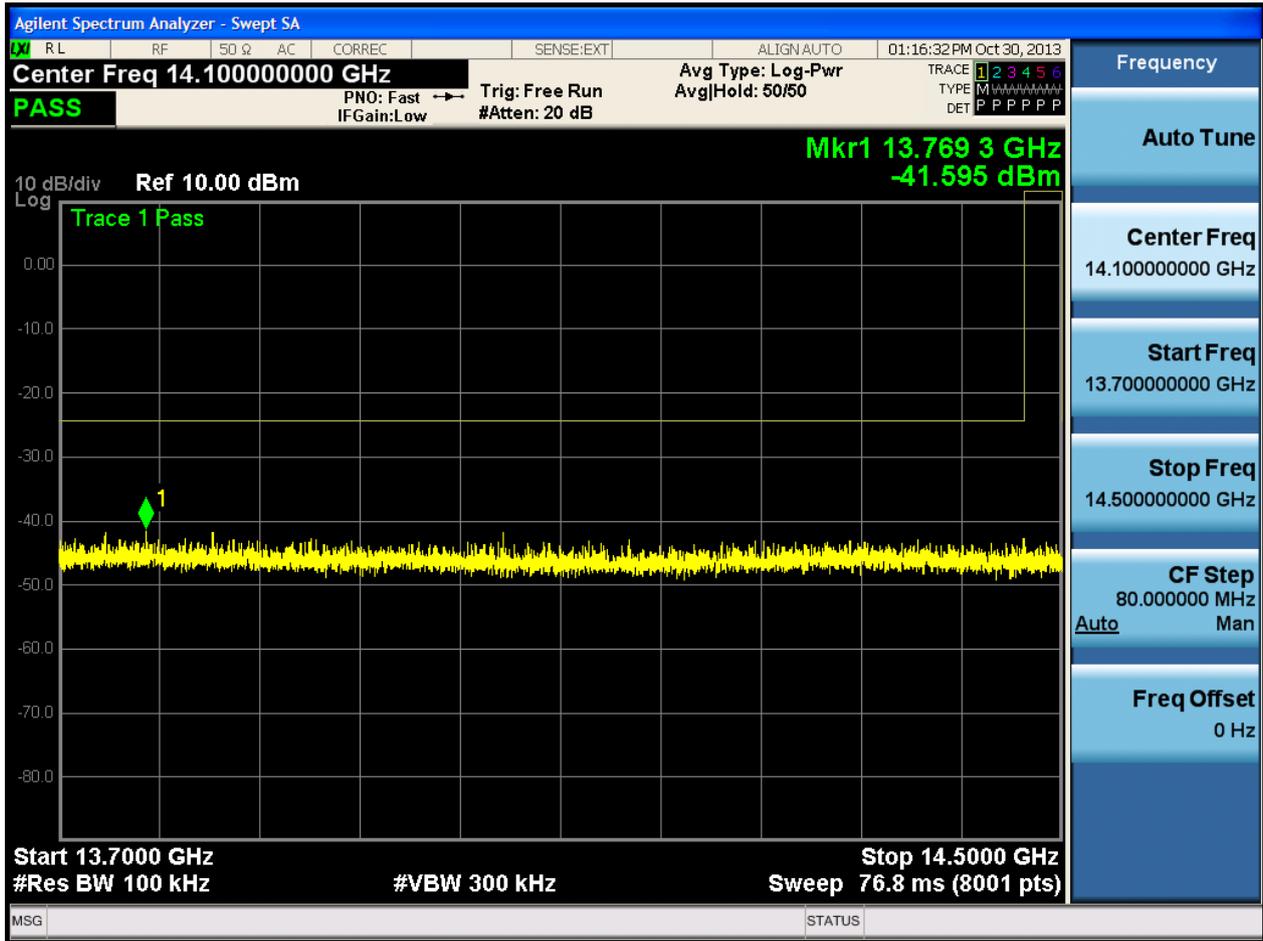


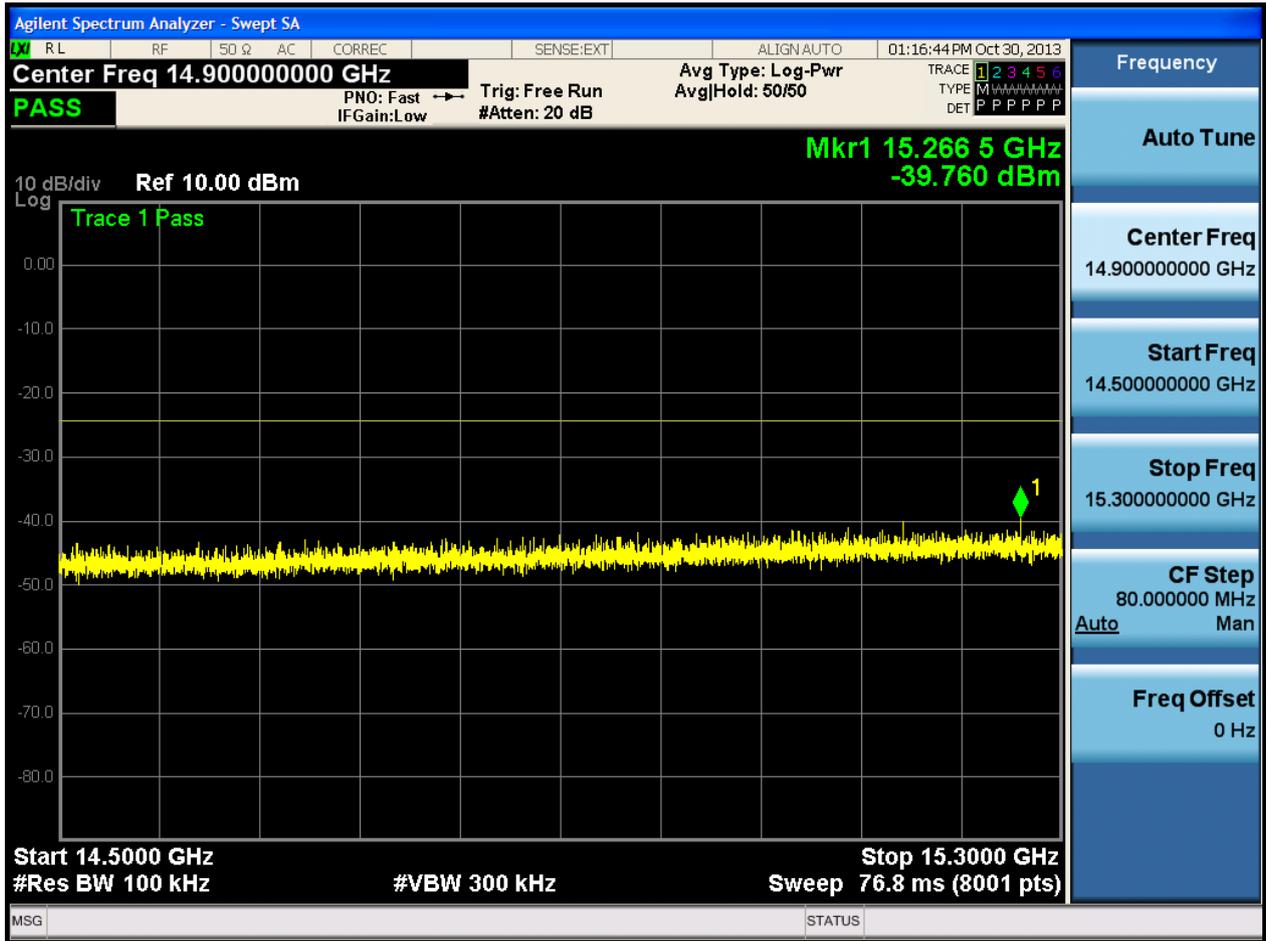


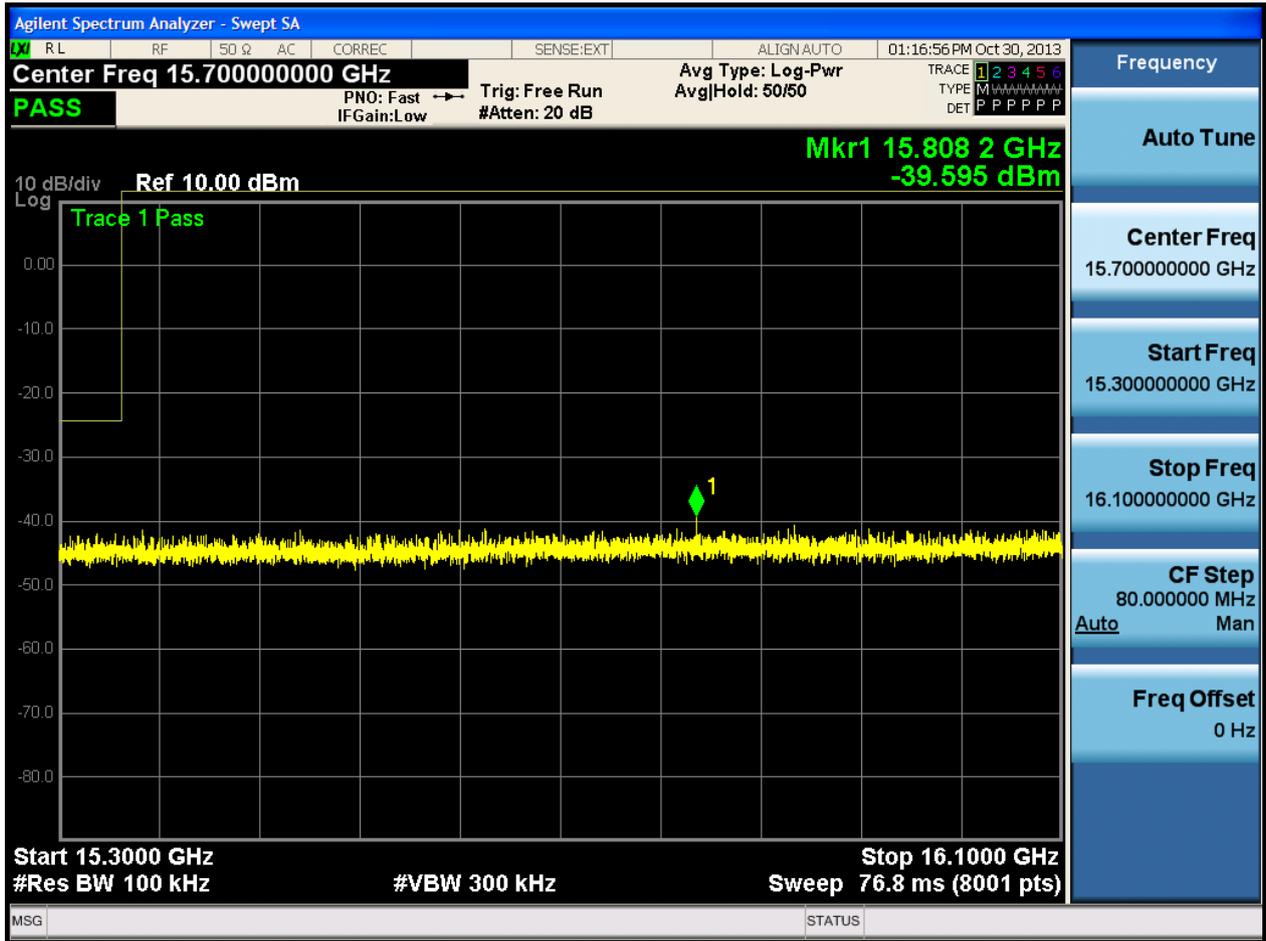


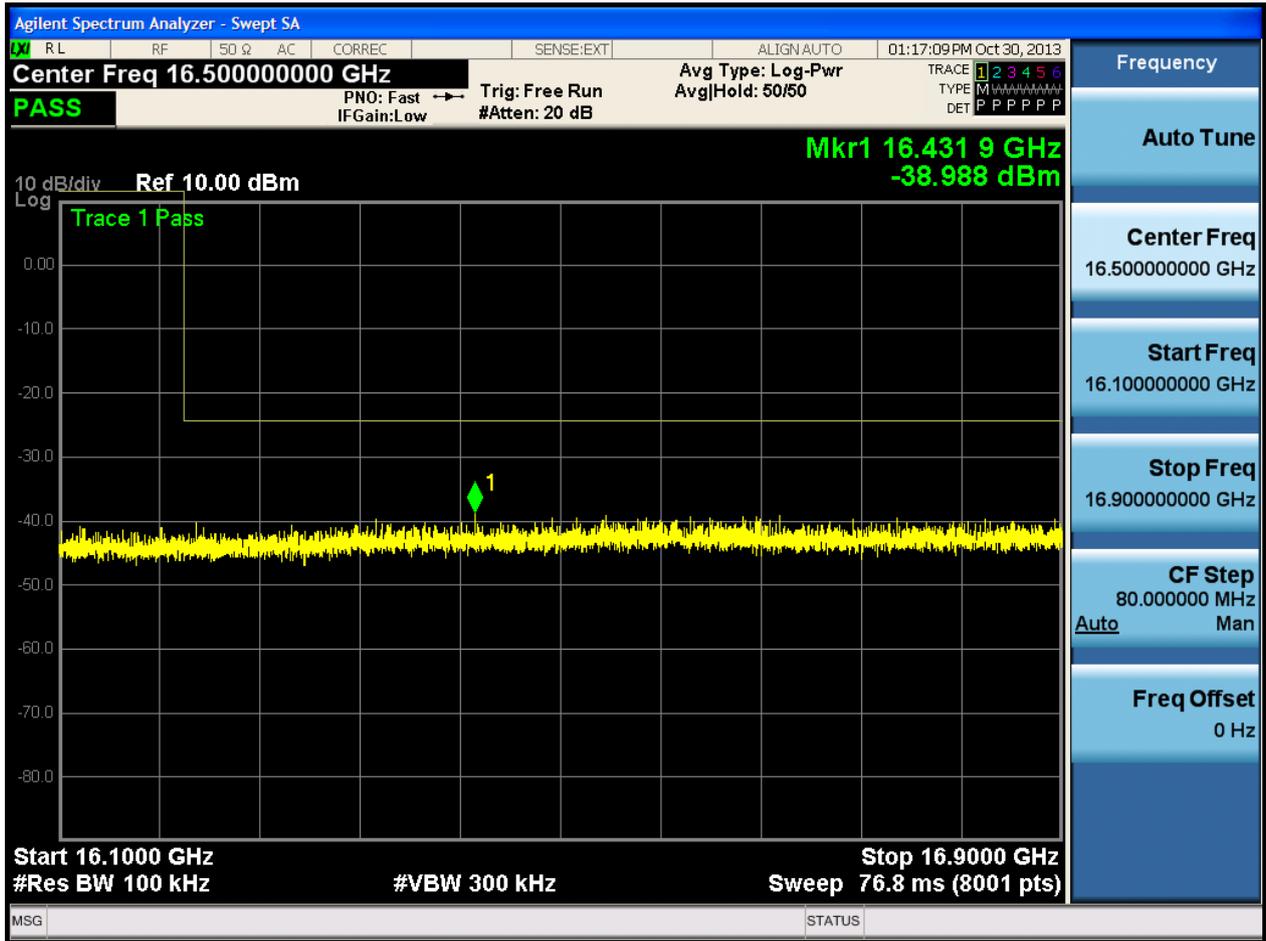


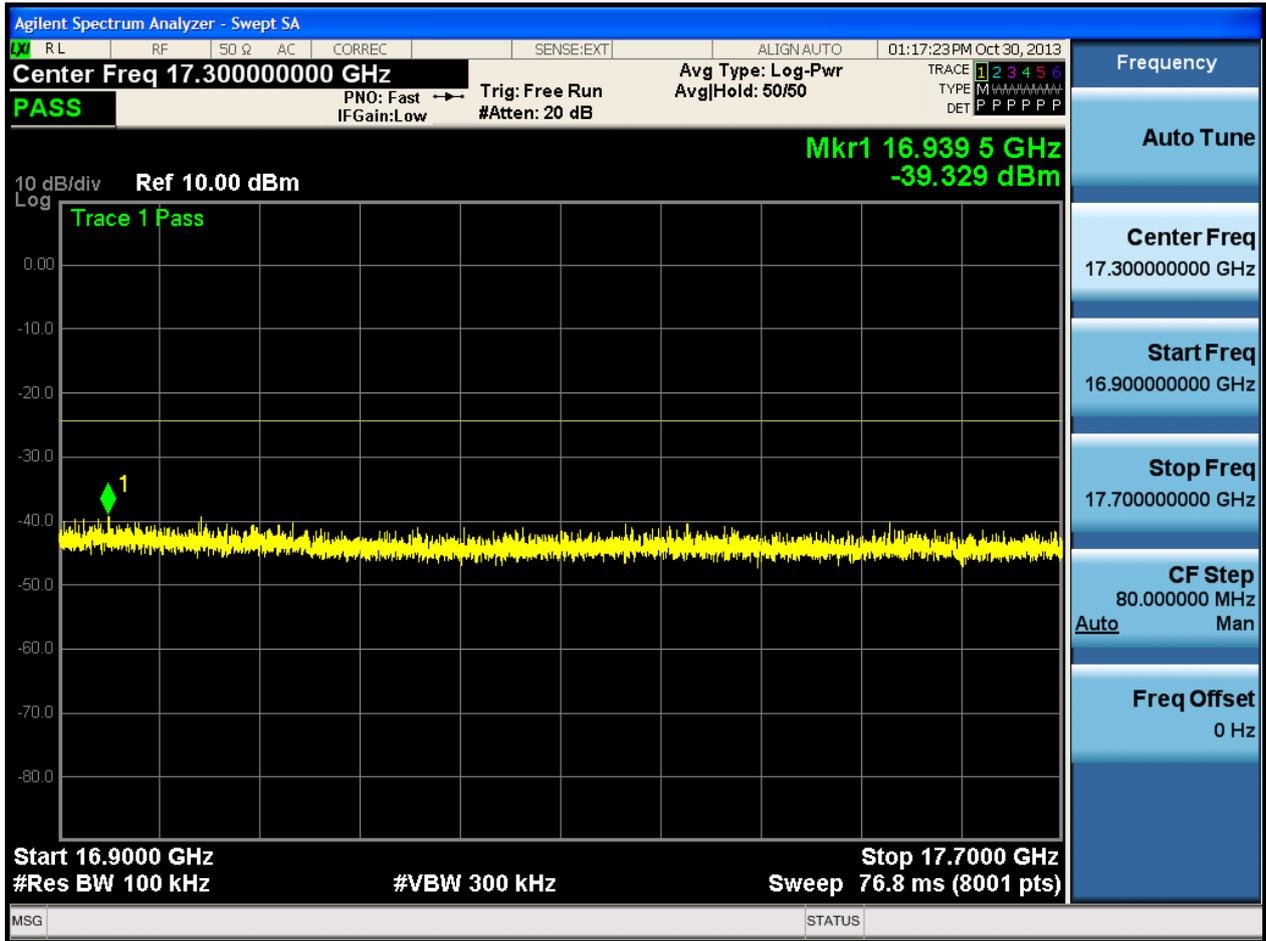


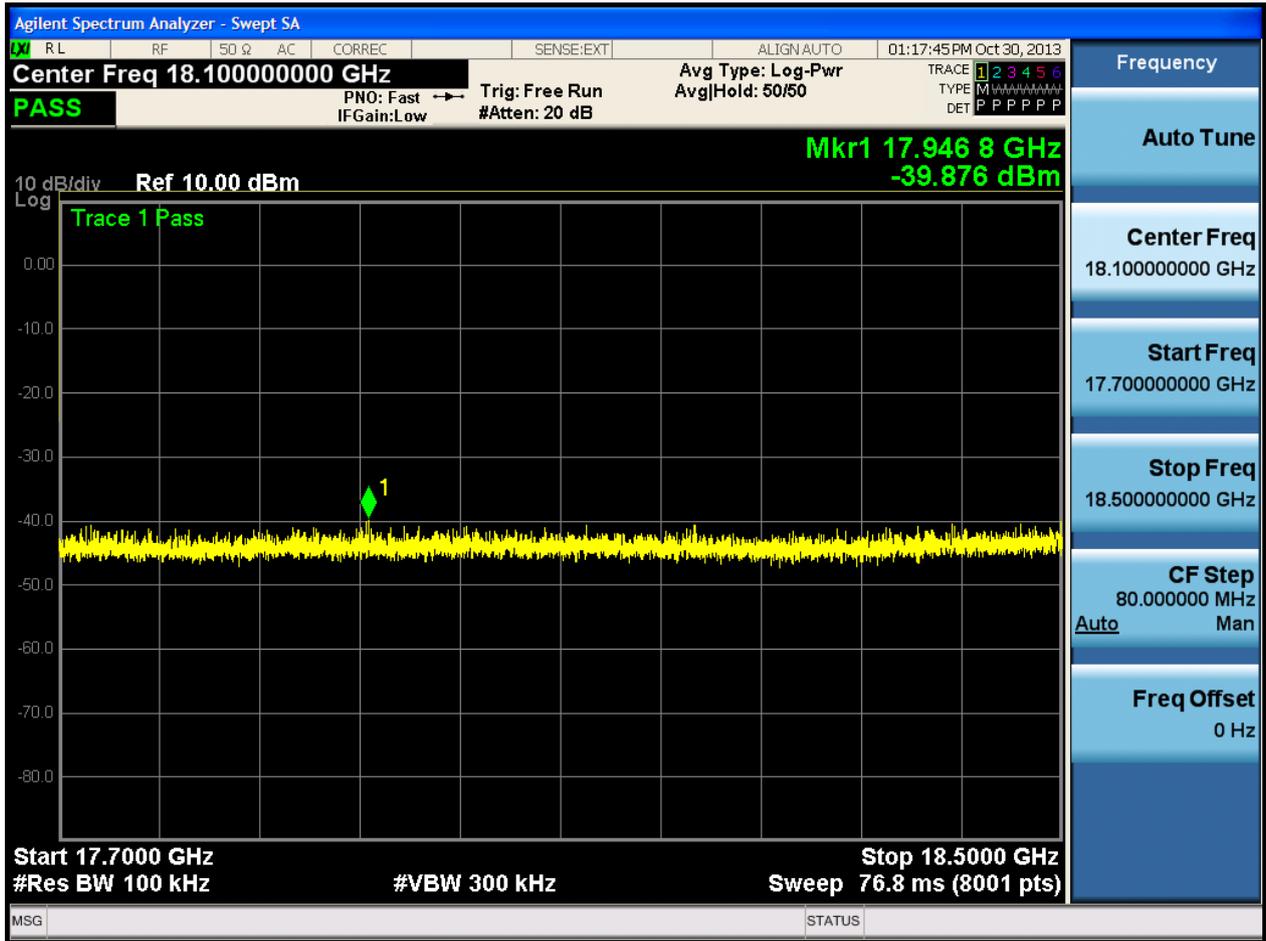


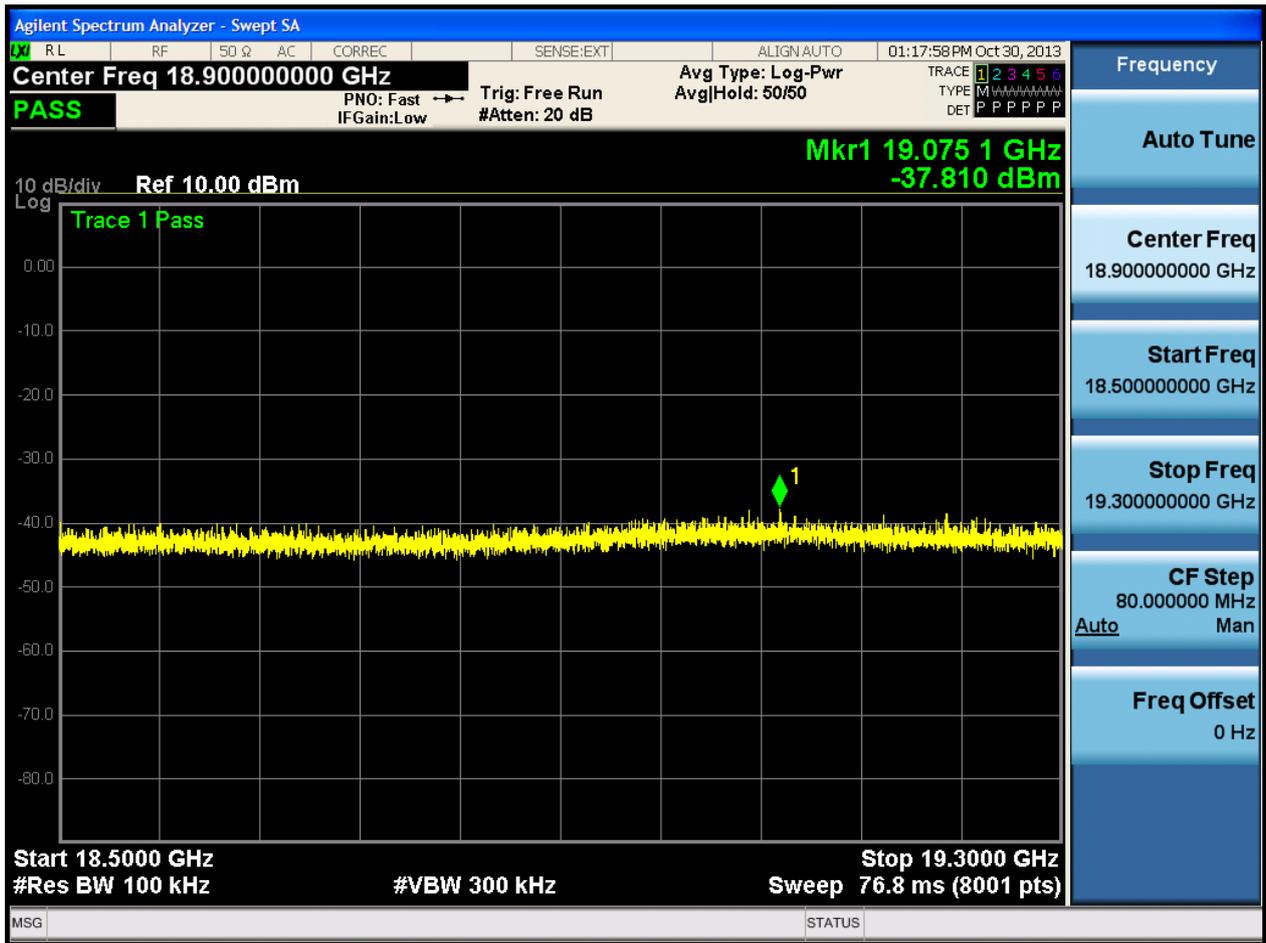


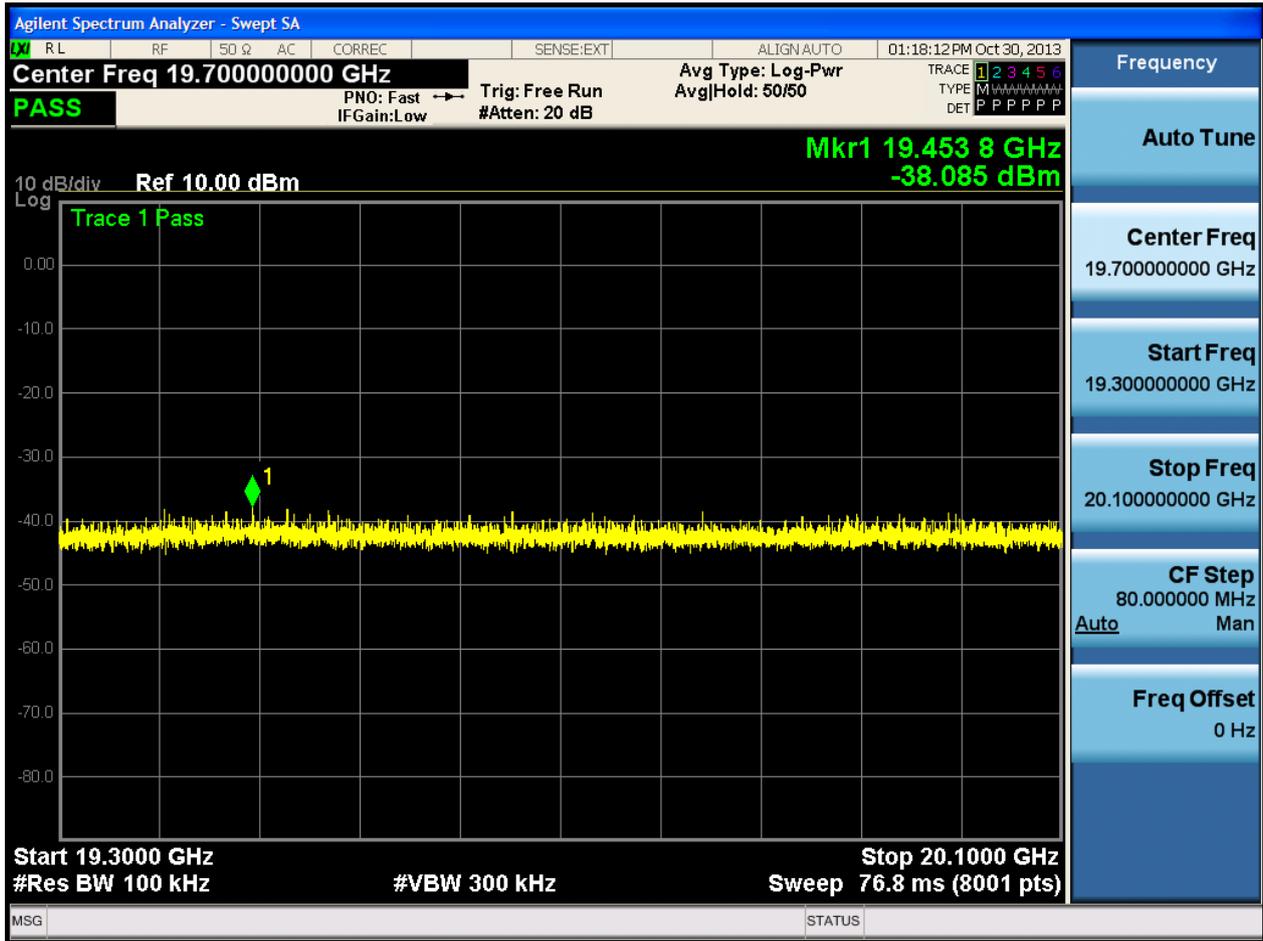


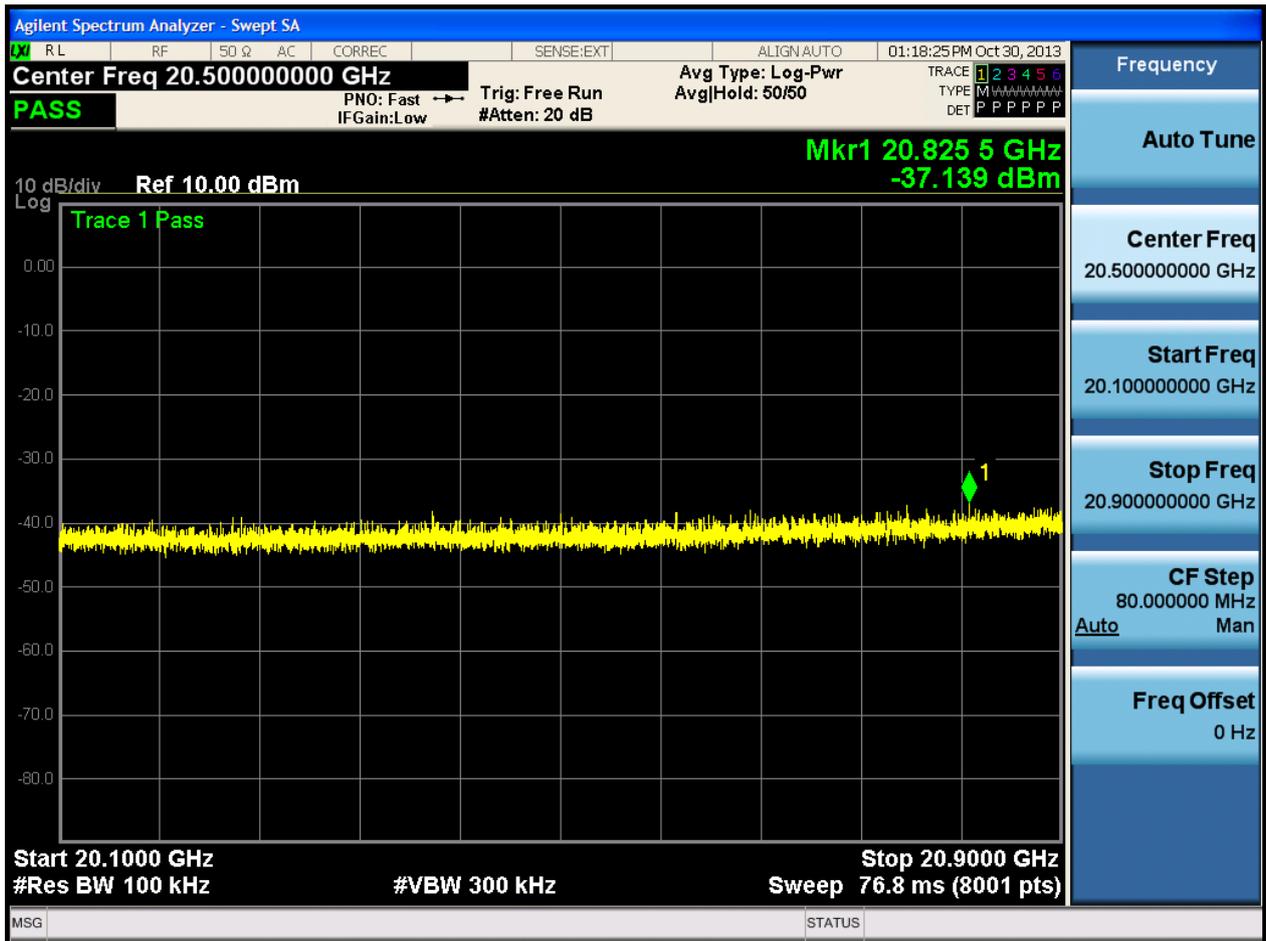


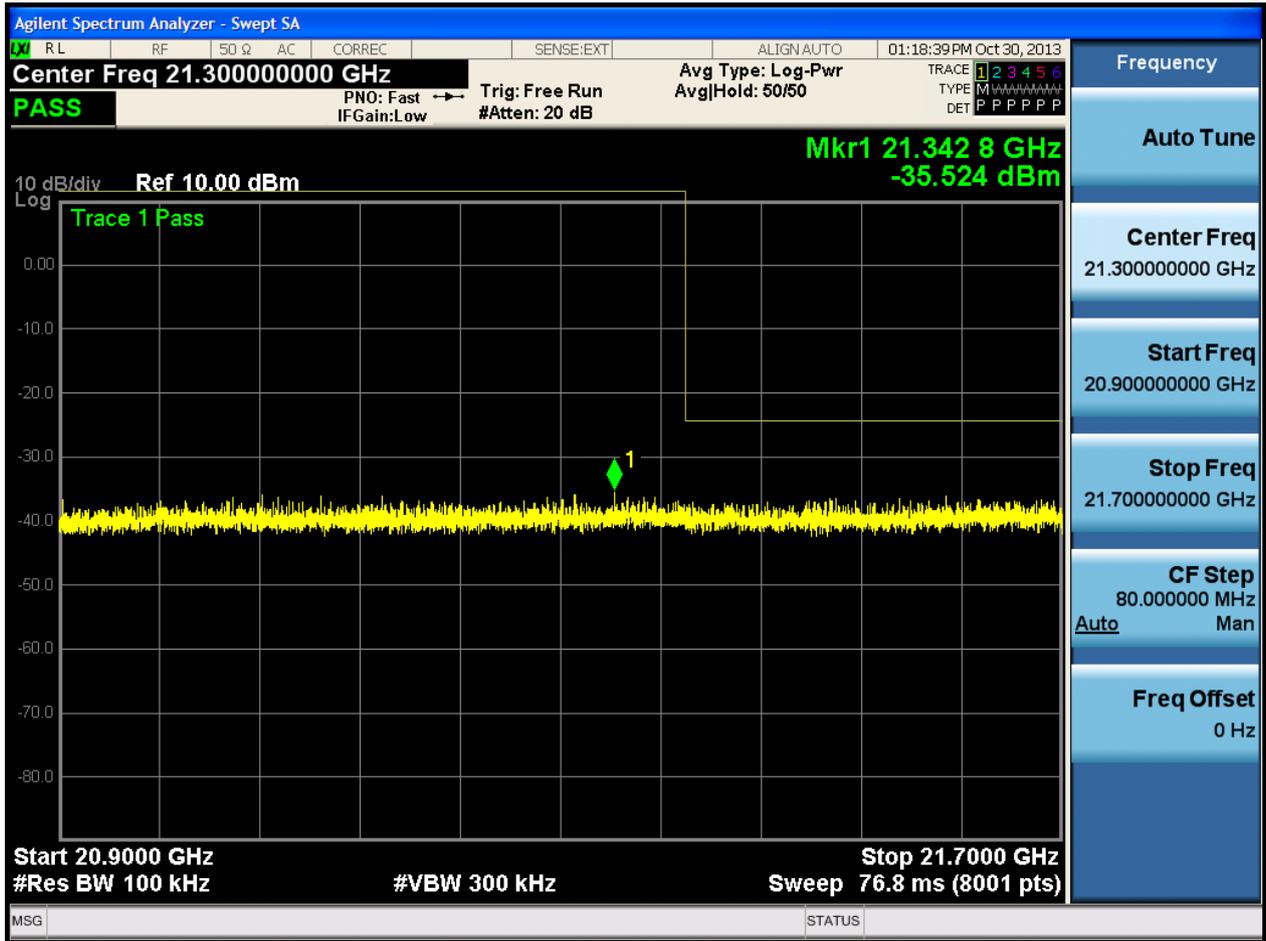


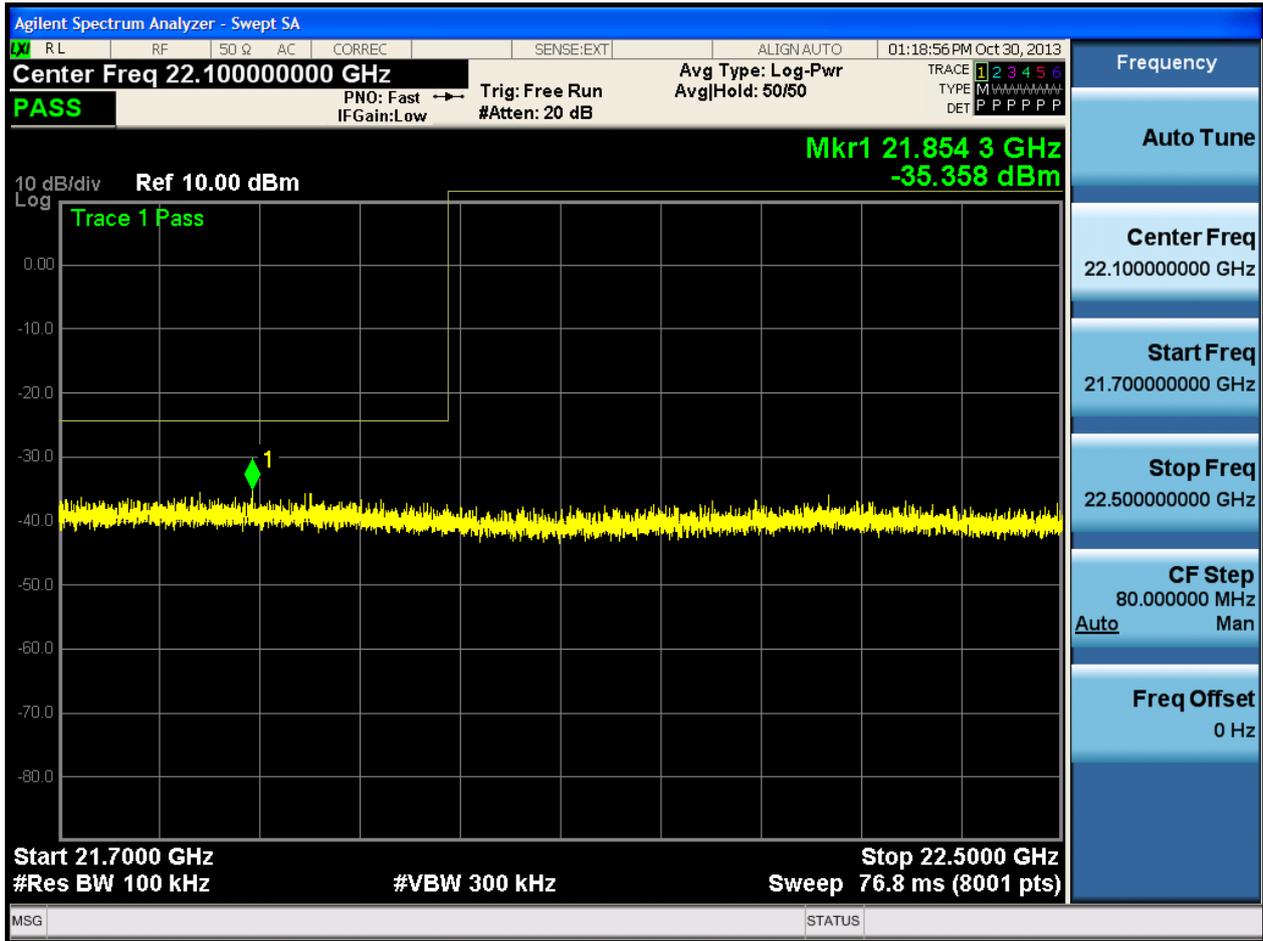


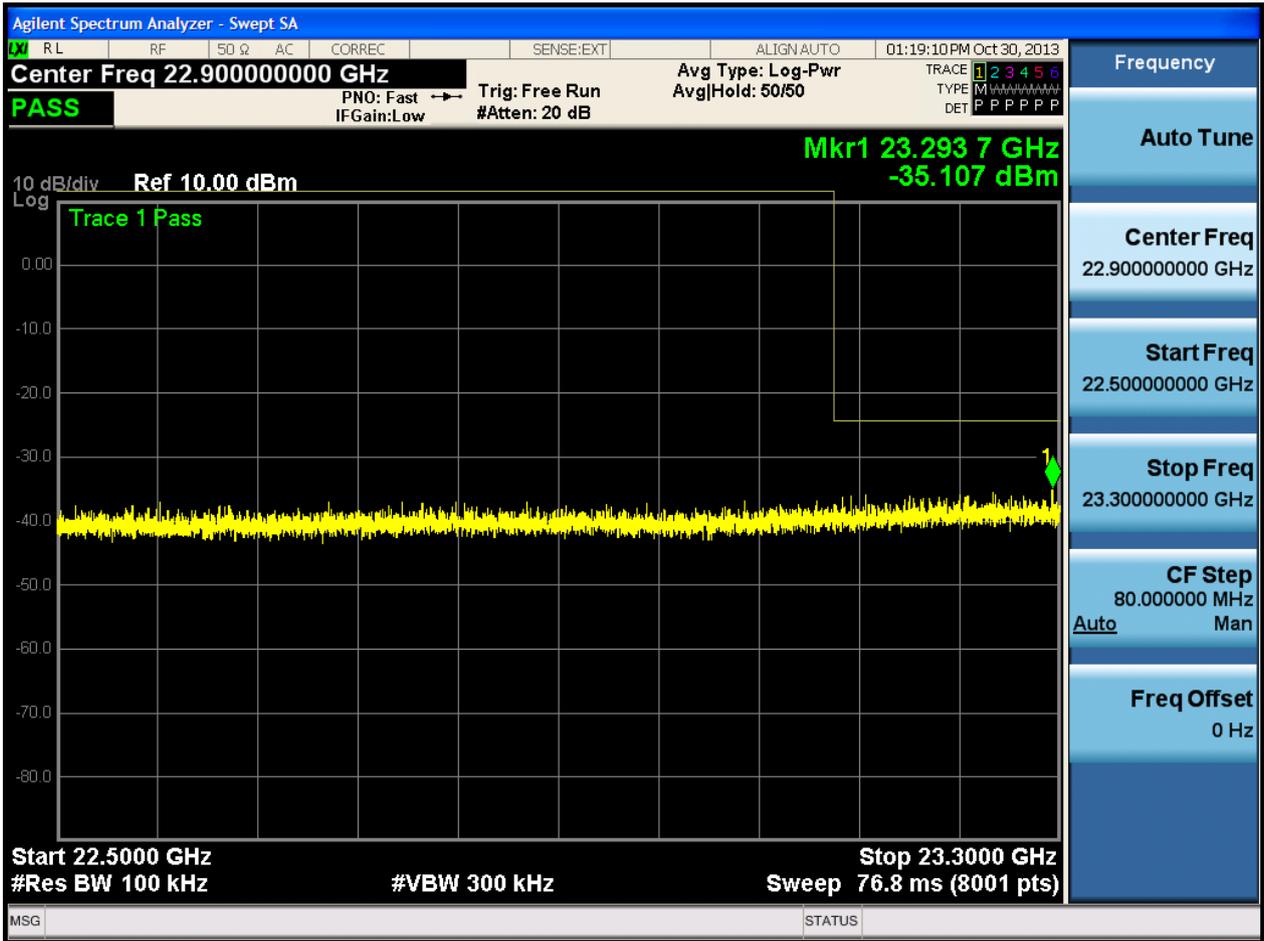


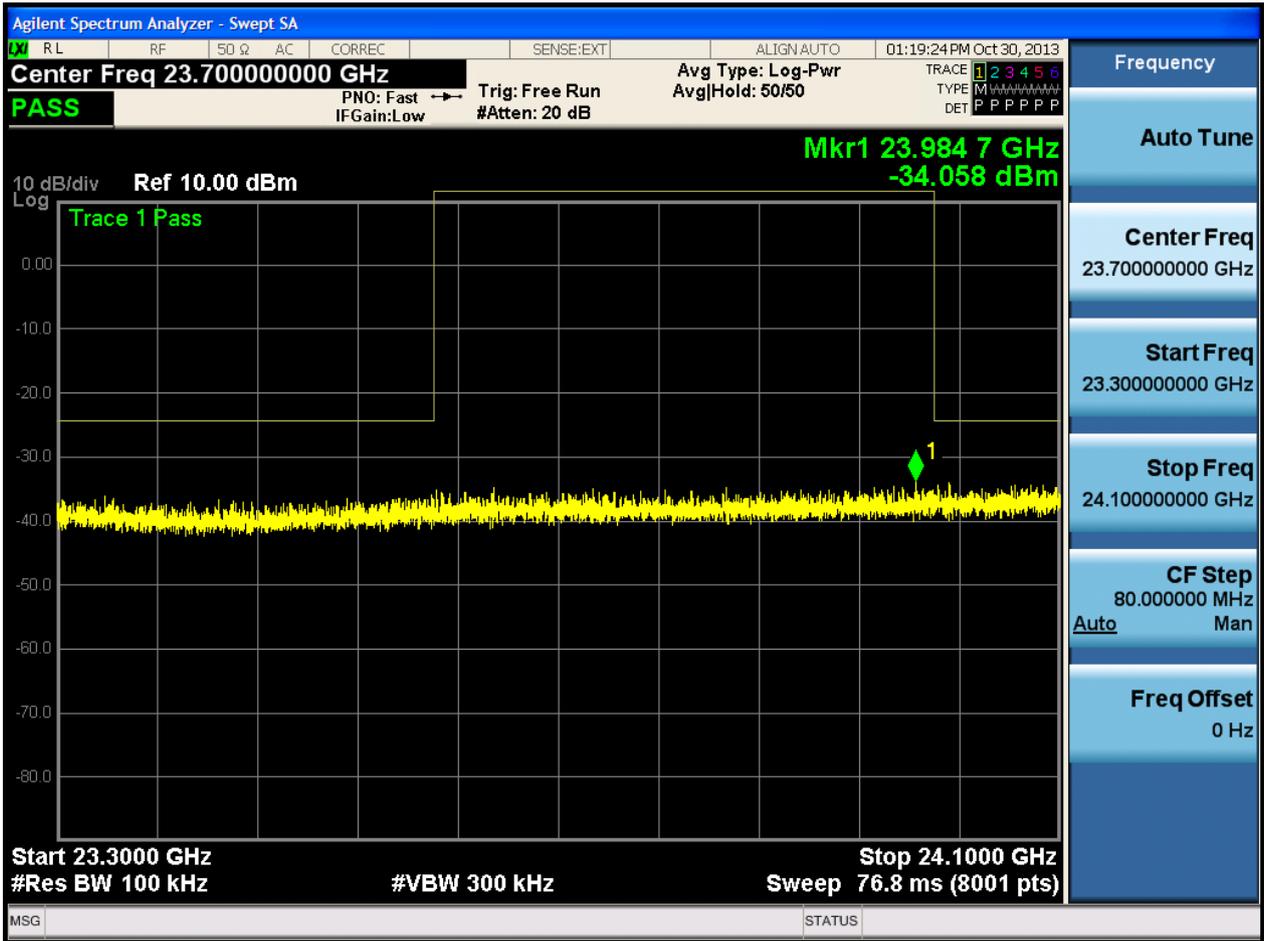


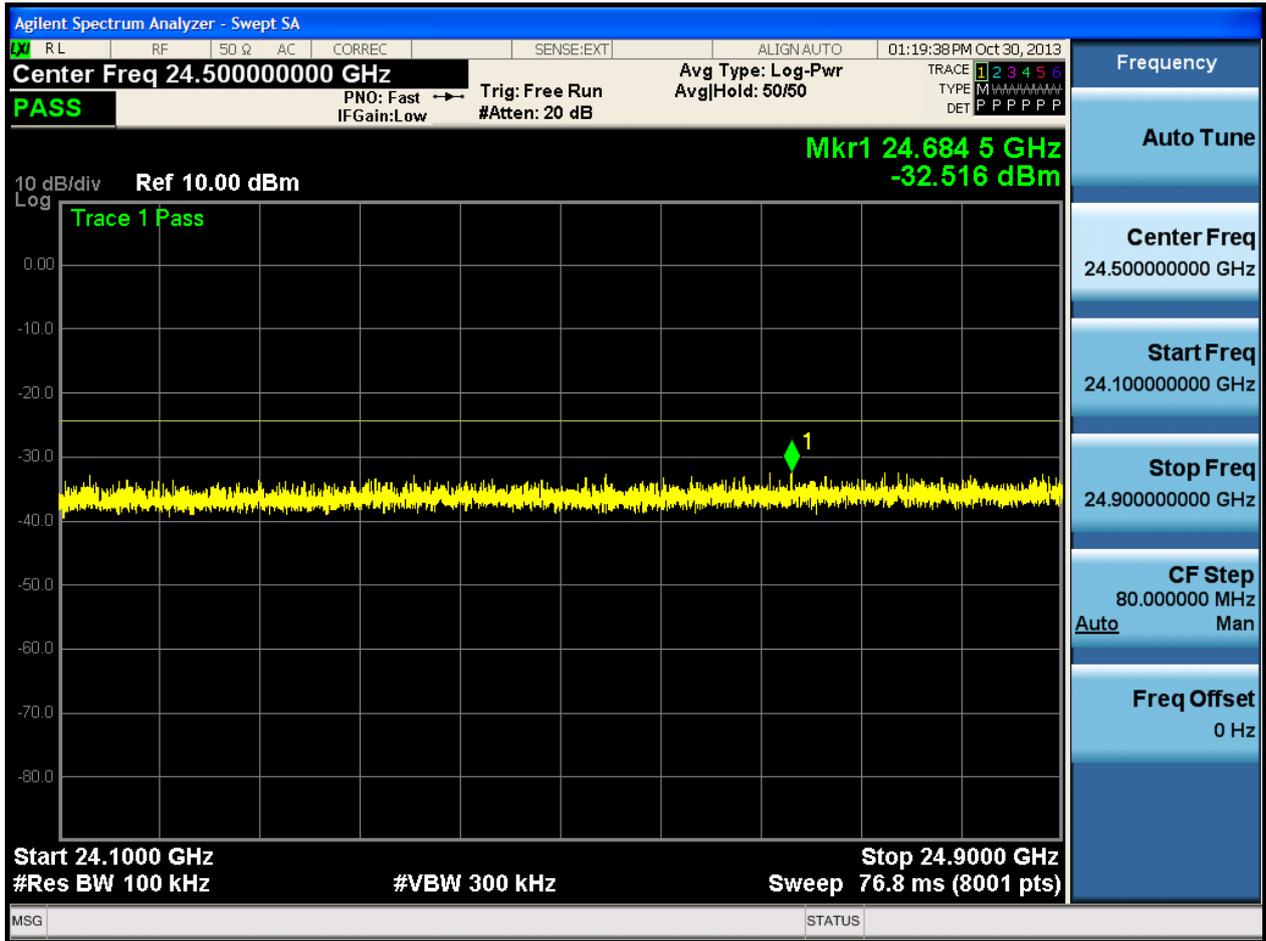


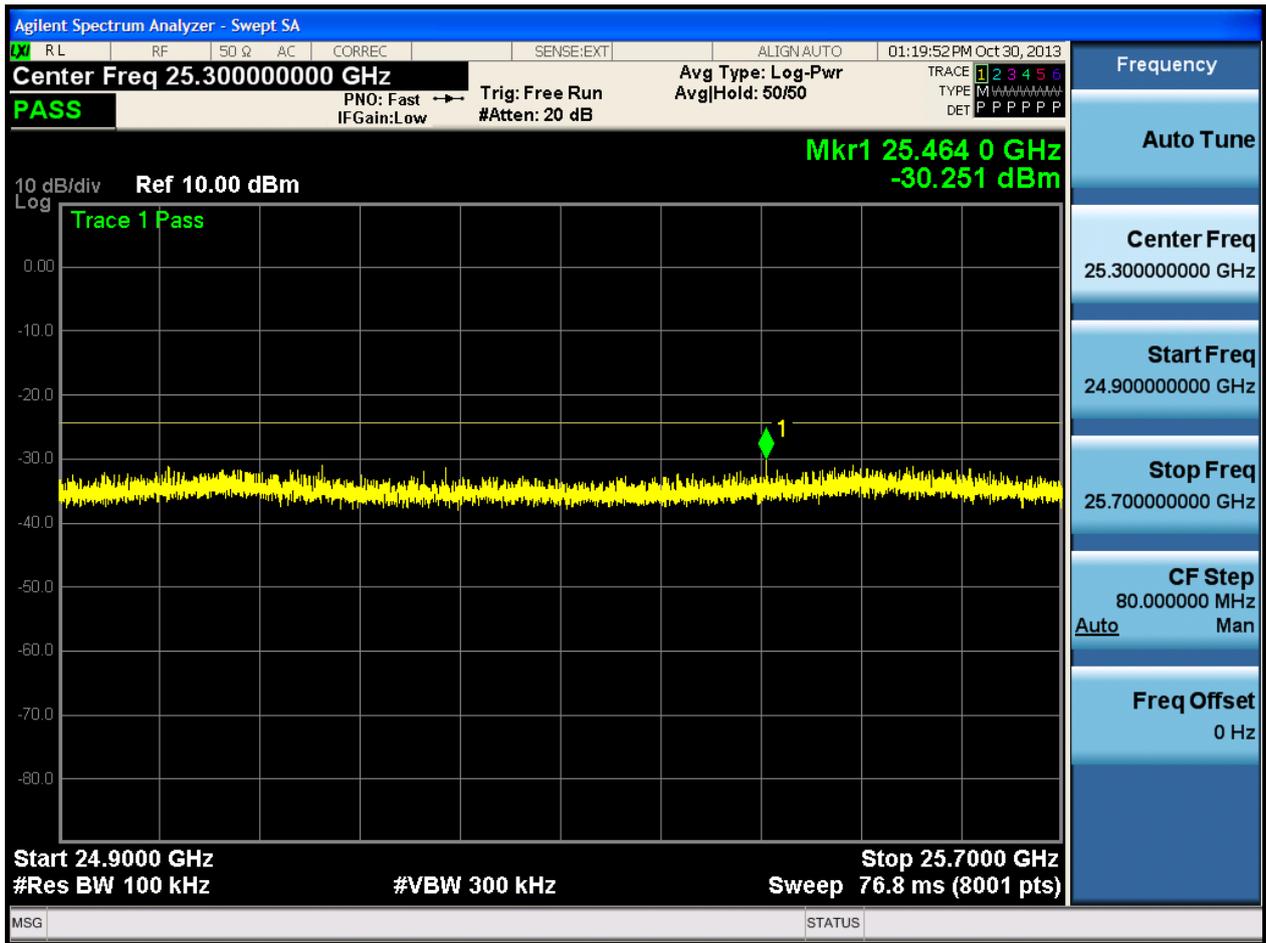


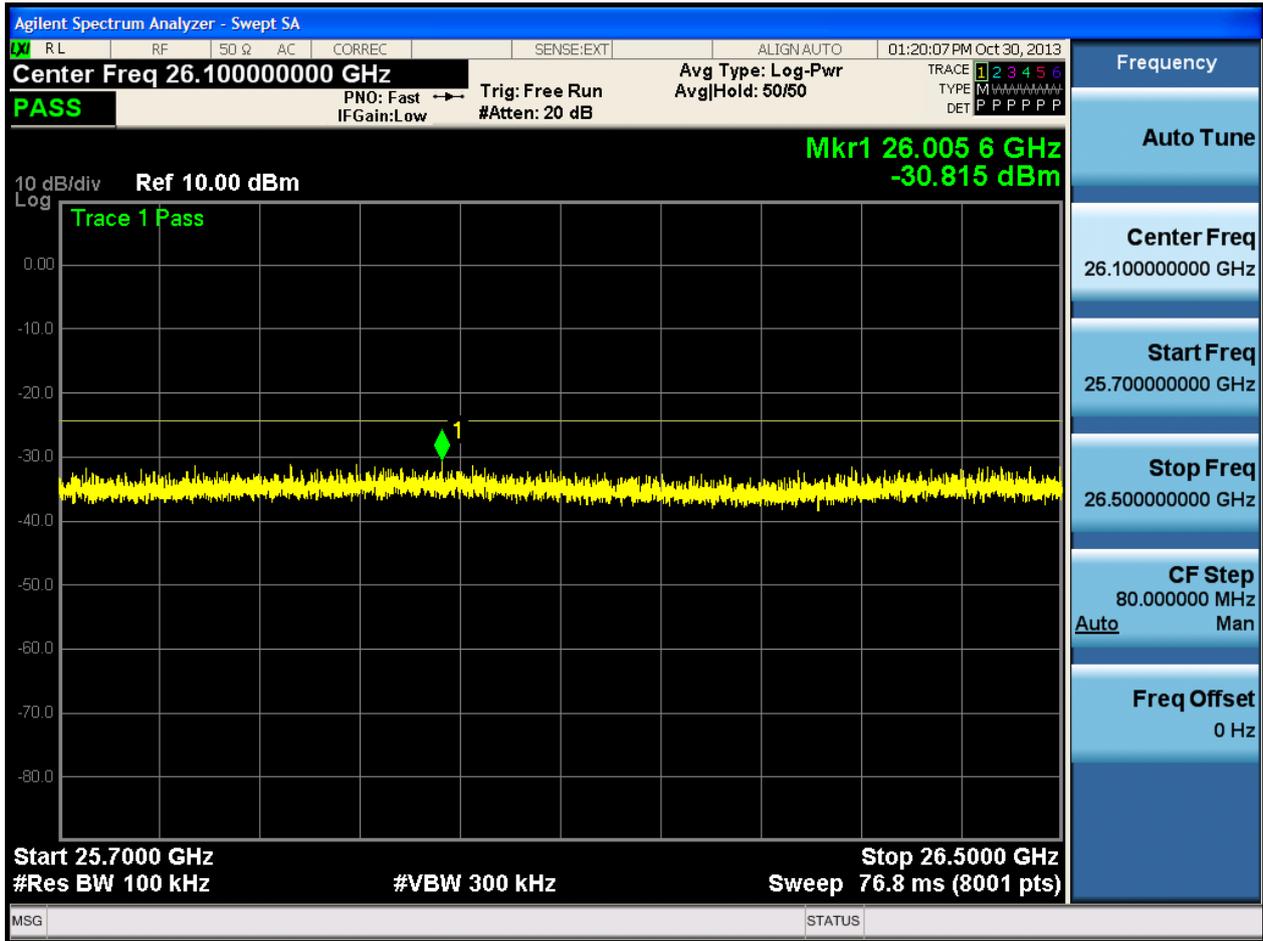














# Annex F: Unwanted Emissions into Restricted Frequency Bands



The whole testing range is divided into several parts according to the test site settings for radiated measurement, which are:

- Test range of “30 MHz to 1 GHz”,
- Test range of “1 GHz to 3 GHz”,
- Test range of “3 GHz to 18 GHz”, and
- Test range of “18 GHz to 26.5 GHz”.

According to FCC KDB 558074, the limit for antenna-port conducted measurement may be converted by the formula of “ $Plim [dBm] = Elim [dB\mu V/m] + 20 \times \lg(d [m]) - 104.8 [dB] - G [dBi] - factor [dB]$ ”, where:

- “Plim” denotes the antenna-port conducted limit,
- “Elim” denotes the electric field strength limit,
- “d” denotes the measurement distance for radiated measurement,
- “G” denotes the antenna gain (max per port), or 2 dBi, whichever is greater, and
- “factor” denotes the factor to model worst-case ground reflections, that is 6.0 dB for emissions  $\leq 30$  MHz, 4.7 dB for emissions  $> 30$  MHz and  $\leq 1000$  MHz, and 0.0 dB for emissions  $> 1000$  MHz.

The measurement contains two steps:

- For the measurement below 1 GHz:
  - (Step 1): Pre-measurement with Peak detector and CISPR Quasi-peak limit;
  - (Step 2): if needed, measurement with CISPR Quasi-peak detector and limit based on the Step 1.
- For the measurement above 1 GHz:
  - (Step 1): measurement with Average detector and Average limit;
  - (Step 2): measurement with Peak detector and Peak limit.

The measurement of unwanted emissions at the edge of the authorized frequency bands can be complicated by the leakage of RF energy from the fundamental emission into the RBW passband. For measurements at the band edges, a narrower RBW is used within the first 1 MHz beyond the fundamental emissions (in this Annex it refers to the range 2483.5 MHz to 2484.5 MHz) and the measured energy is subsequently integrated over the appropriate reference bandwidth (i.e. 1 MHz).

In the result table, the “< Limit” denotes that “Not found obvious spikes or see marked spikes on plots and listed emissions records”.

## 1 Result Table

Test Range	EUT Conf.	Emissions	Verdict
30 MHz to 1 GHz	Worst Case (TX-B)	< Limit	Pass
1 GHz to 3 GHz	TX-B	< Limit	Pass
	TX-M	< Limit	Pass
	TX-T	< Limit	Pass
3 GHz to 18 GHz	TX-B	< Limit	Pass
	TX-M	< Limit	Pass
	TX-T	< Limit	Pass



RF Test Report of eBat-2, eBat-12, eBox-G, eBox-F

FCC ID: QISEBAT2 (for eBat-2), QISEBAT12 (for eBat-12), QISEBOXG (for eBox-G), QISEBOXF (for eBox-F);  
IC: 6369A-EBAT2 (for eBat-2), 6369A-EBAT12 (for eBat-12), 6369A-EBOXG (for eBox-G), 6369A-EBOXF (for eBox-F)

Security Level:  
Public

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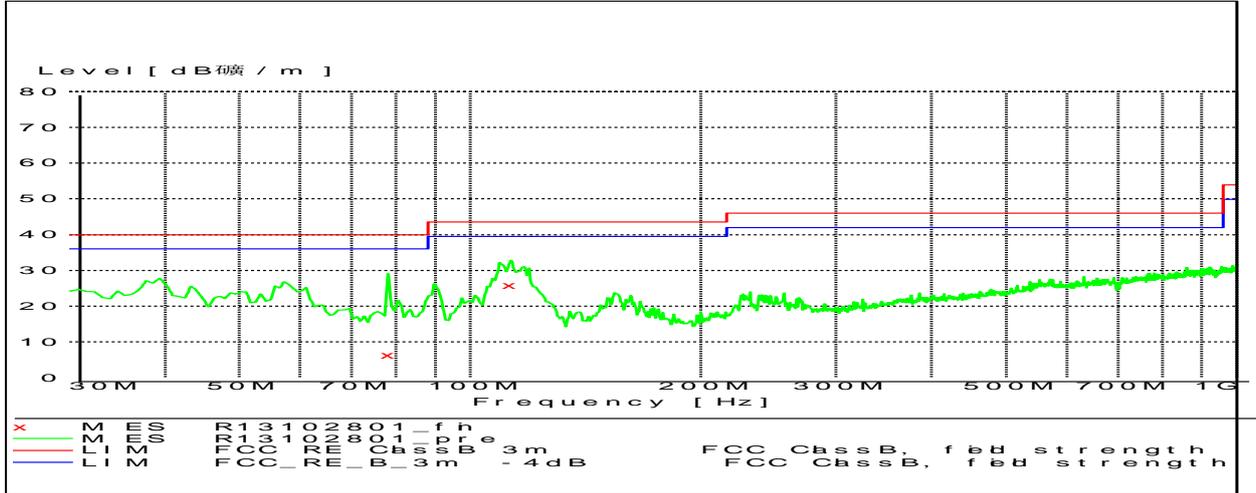
Test Range	EUT Conf.	Emissions	Verdict
18 GHz to 26.5 GHz	Worst Case (TX-B)	< Limit	Pass



## 1 Result Plot

### 1.1 Test range of “30 MHz to 1 GHz”

#### 1.1.1 Worst Case (TX-B)



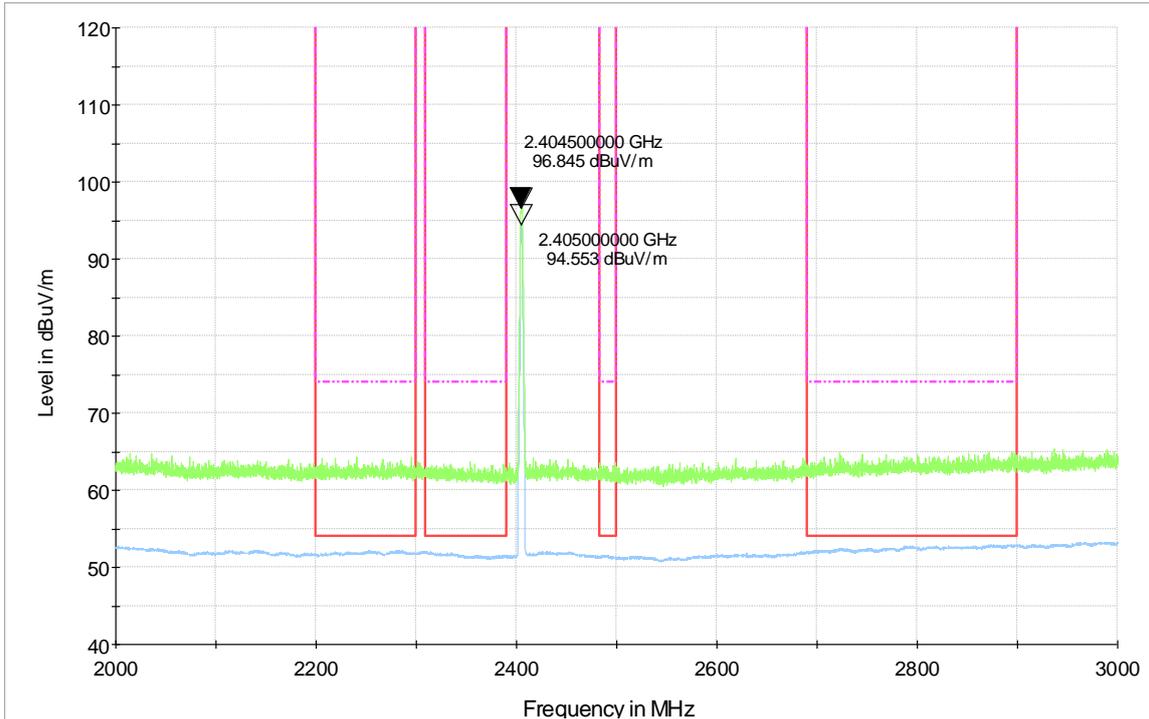
#### MEASUREMENT RESULT: "R13102801\_fin"

2013-10-28 9:23

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Det.	Height	Azimuth cm	Polarization deg
78.240000	6.30	-17.6	40.0	33.7	QP	100.0	87.00	VERTICAL
112.680000	25.70	-14.1	43.5	17.8	QP	100.0	198.00	VERTICAL

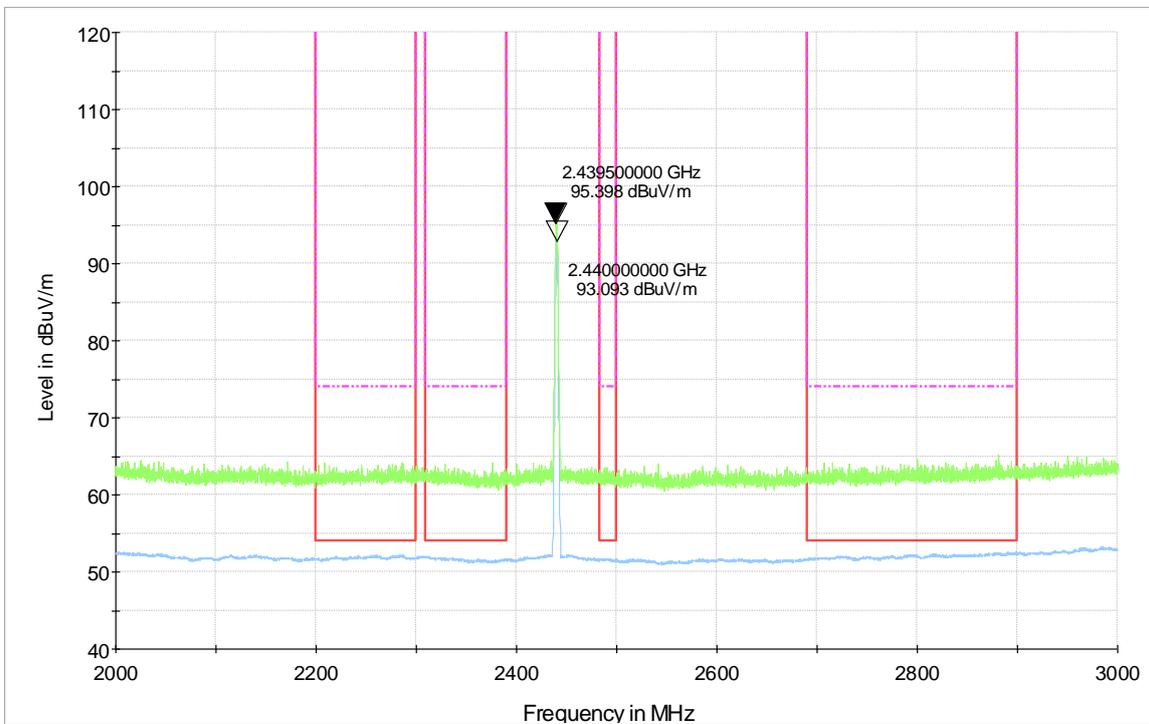
### 1.2 Test range of “1 GHz to 3 GHz”

#### 1.2.1 TX-B



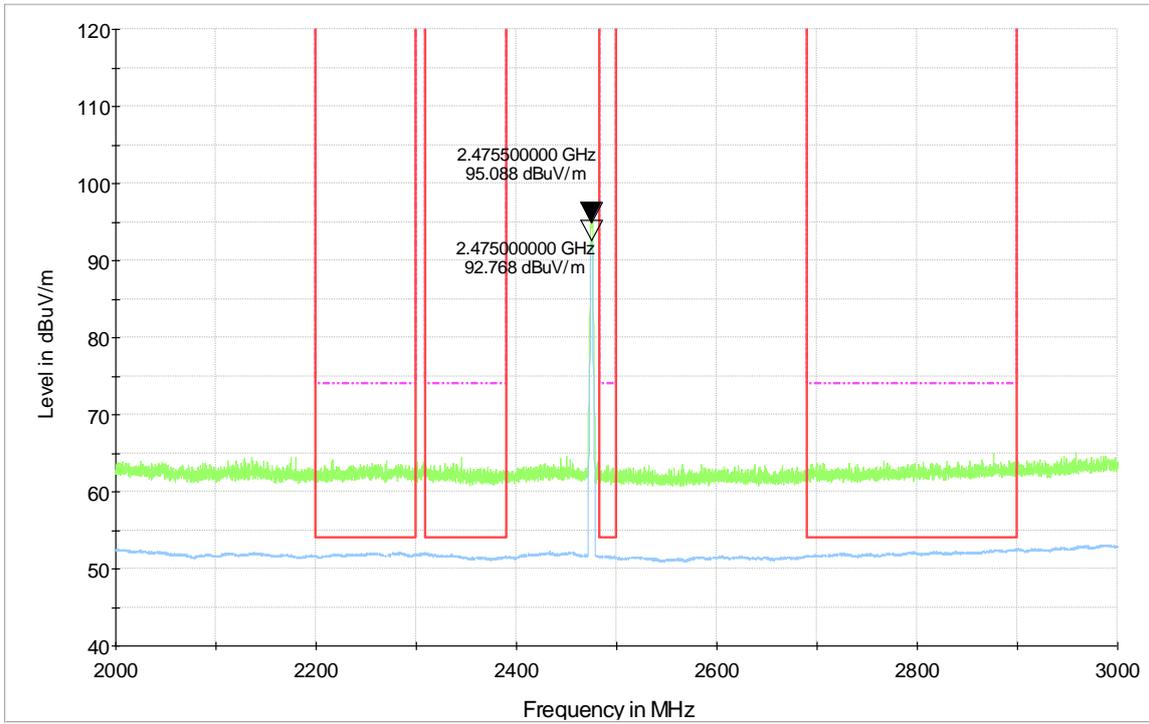
**NOTE: Only the ranges near the fundamental frequency are listed.**

### 1.2.2 TX-M



**NOTE: Only the ranges near the fundamental frequency are listed.**

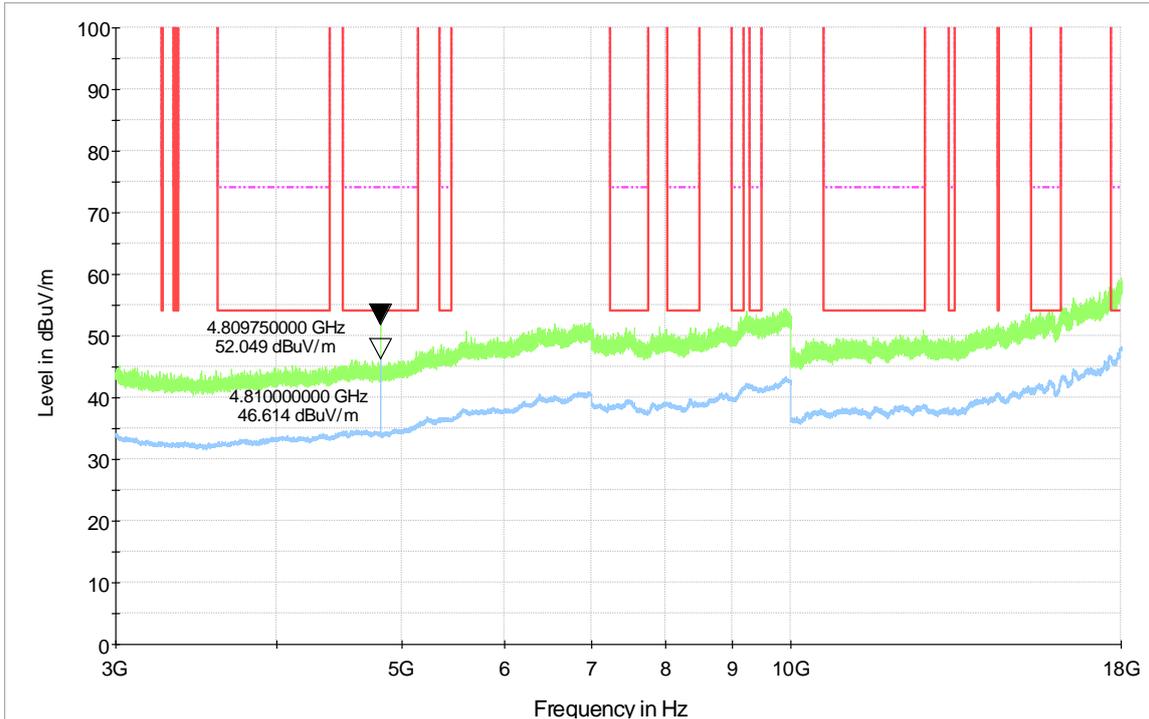
### 1.2.3 TX-T



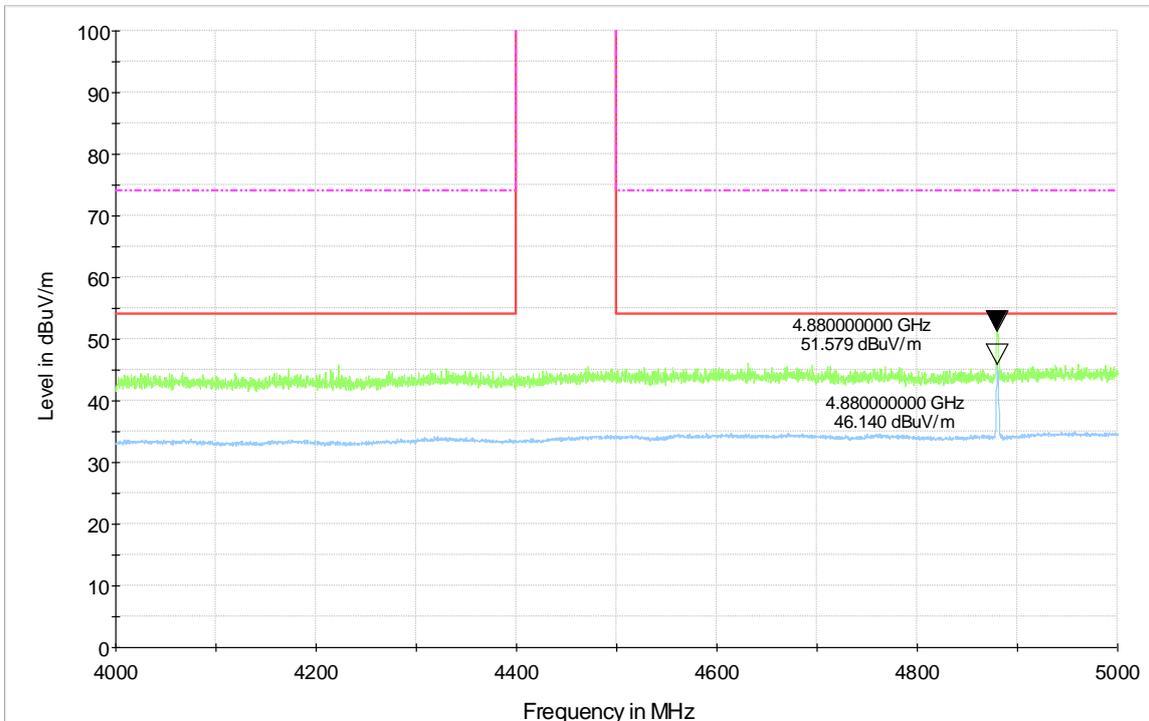
**NOTE:** Only the ranges near the fundamental frequency are listed.

### 1.3 Test range of “3 GHz to 18 GHz”

#### 1.3.1 TX-B



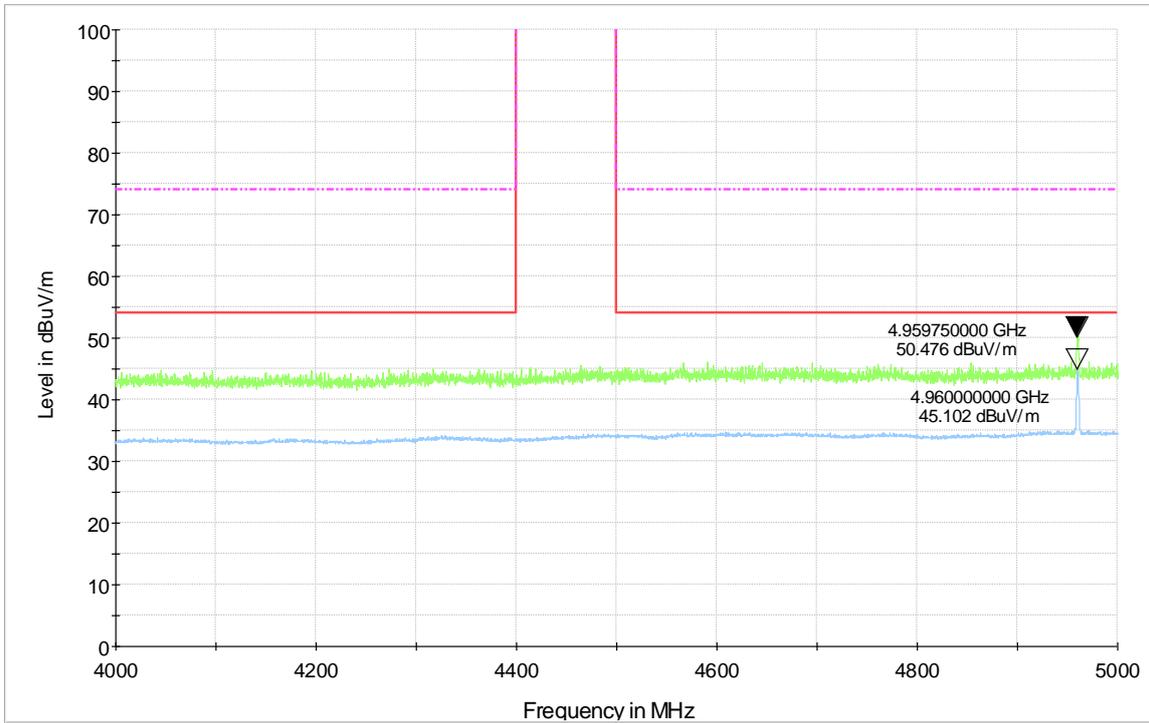
### 1.3.2 TX-M



**NOTE: Only the ranges near the harmonic frequency are listed.**



### 1.3.3 TX-T



**NOTE:** Only the ranges near the harmonic frequency are listed.

### 1.4 Test range of “18 GHz to 26.5 GHz”

#### 1.4.1 Worst Case (TX-B)

(No obvious emissions found)



# Annex G: AC Power Line Conducted Emissions



(Not applicable for EUT that is not AC powered.)



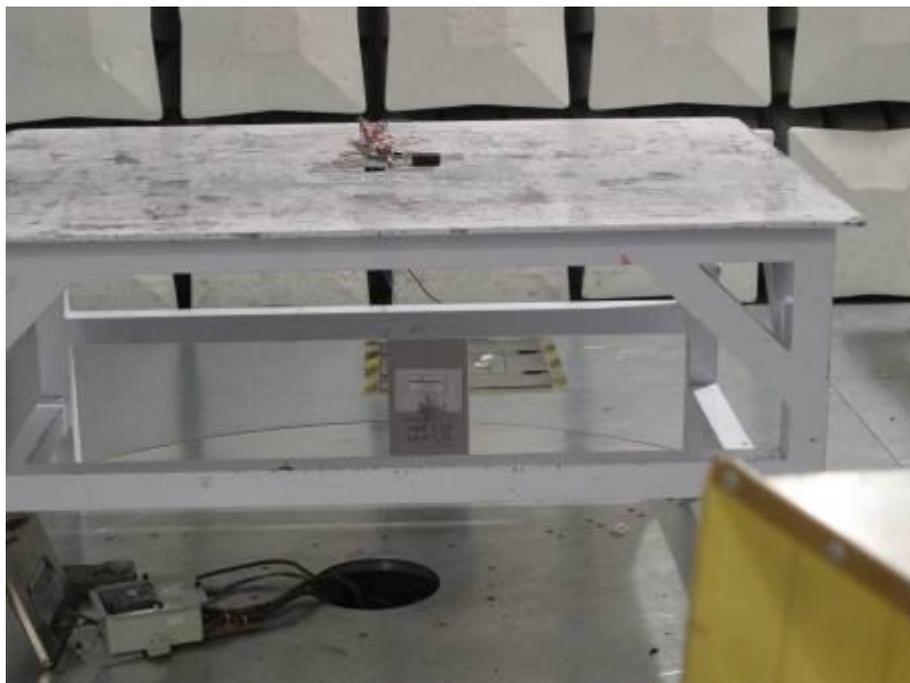
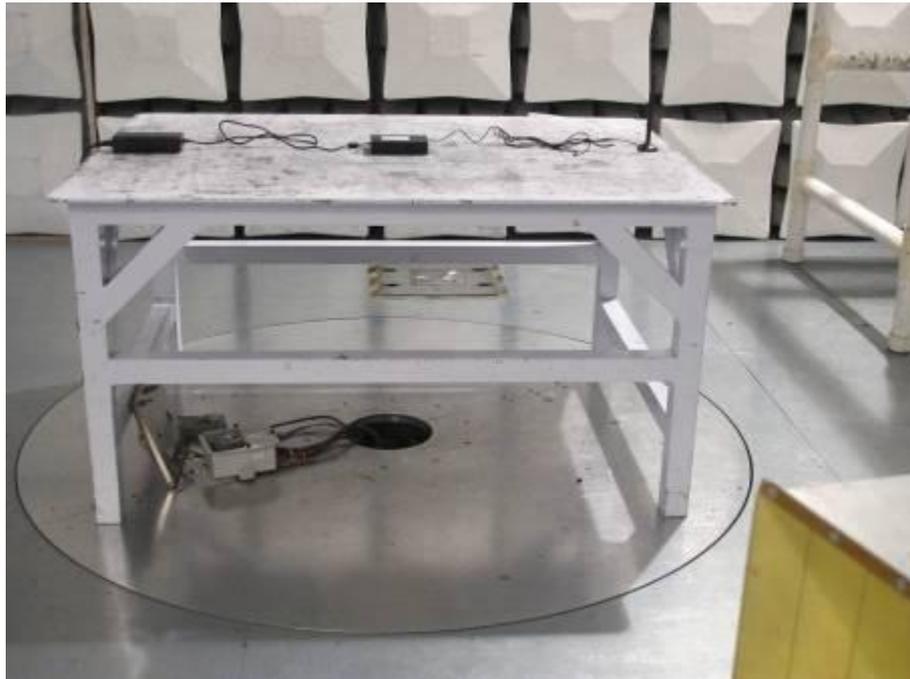
# Annex H: Photos of Test Setups

## 1 Test Setup 2

### 1.1 Measurement Setup below 1 GHz



### 1.2 Measurement Setup above 1 GHz





## 2 Test Setup 3

(Not applicable)

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END