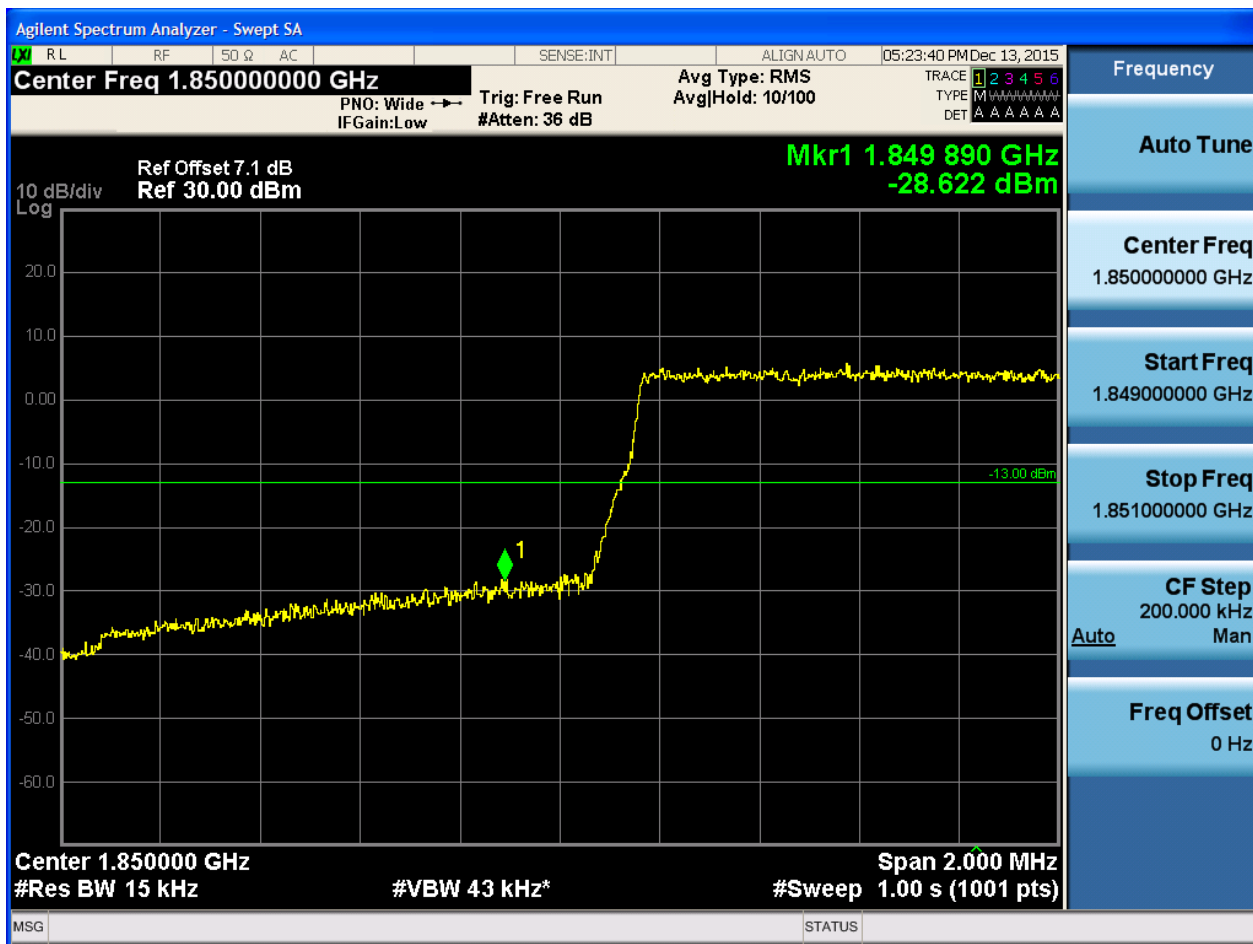




## 5.1.1.2.1.1.4 Test RB = RB6#0





## 5.1.1.2.1.2 Test Channel = HCH

## 5.1.1.2.1.2.1 Test RB = RB1#0





## 5.1.1.2.1.2.2 Test RB = RB1#5





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN: AUTO 05:24:33 PM Dec 13, 2015

**Center Freq 1.91500000 GHz** Avg Type: RMS  
PNO: Wide → Trig: Free Run AvgHold: 10/100  
IFGain: Low #Atten: 36 dB

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

Ref Offset 7.1 dB  
Ref 30.00 dBm

**Mkr1 1.915 000 GHz**  
**-26.379 dBm**

10 dB/div  
Log

Center 1.915000 GHz  
#Res BW 15 kHz #VBW 43 kHz\* Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

MSG STATUS



## 5.1.1.2.1.2.4 Test RB = RB6#0

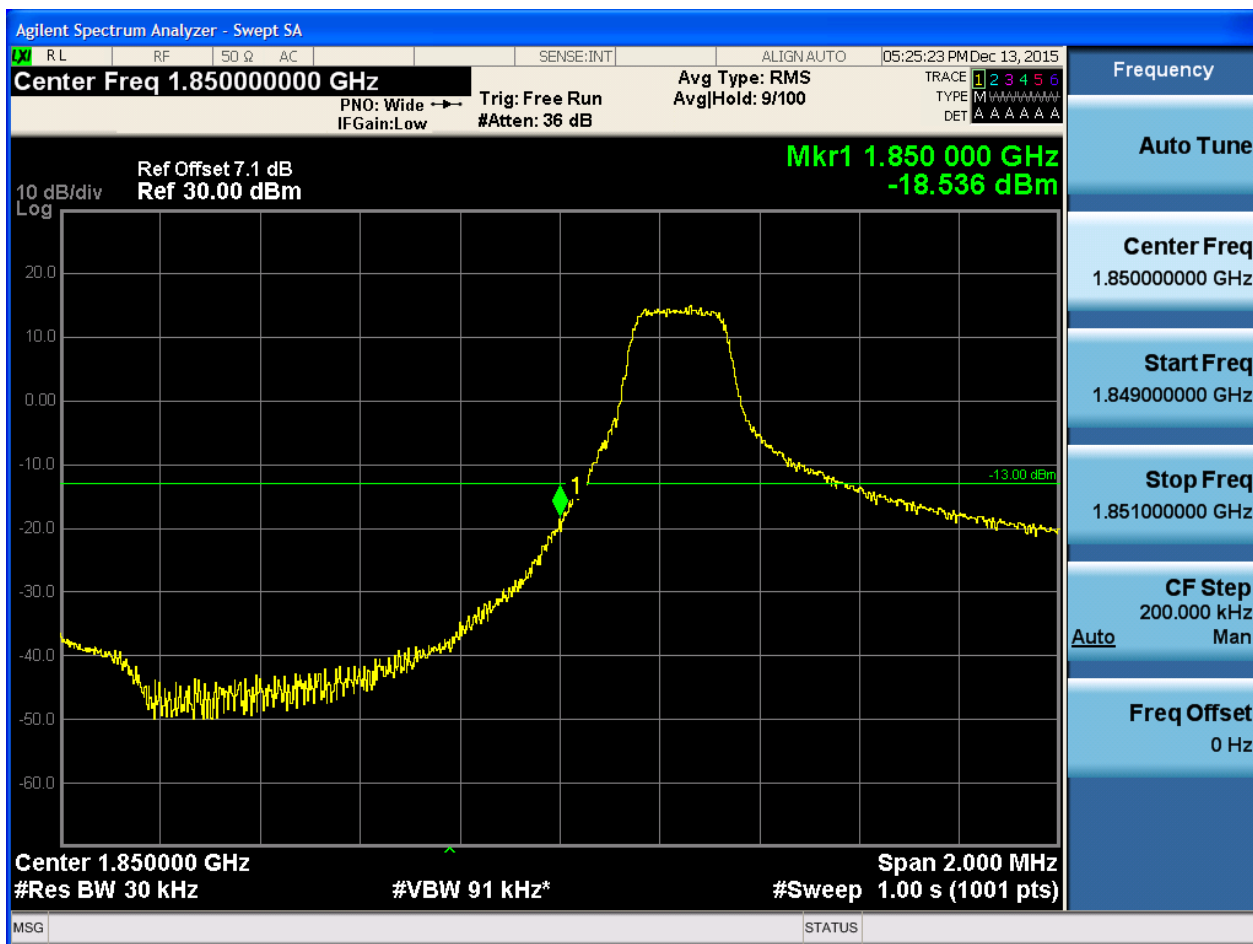




## 5.1.1.2.2 Test Bandwidth = 3

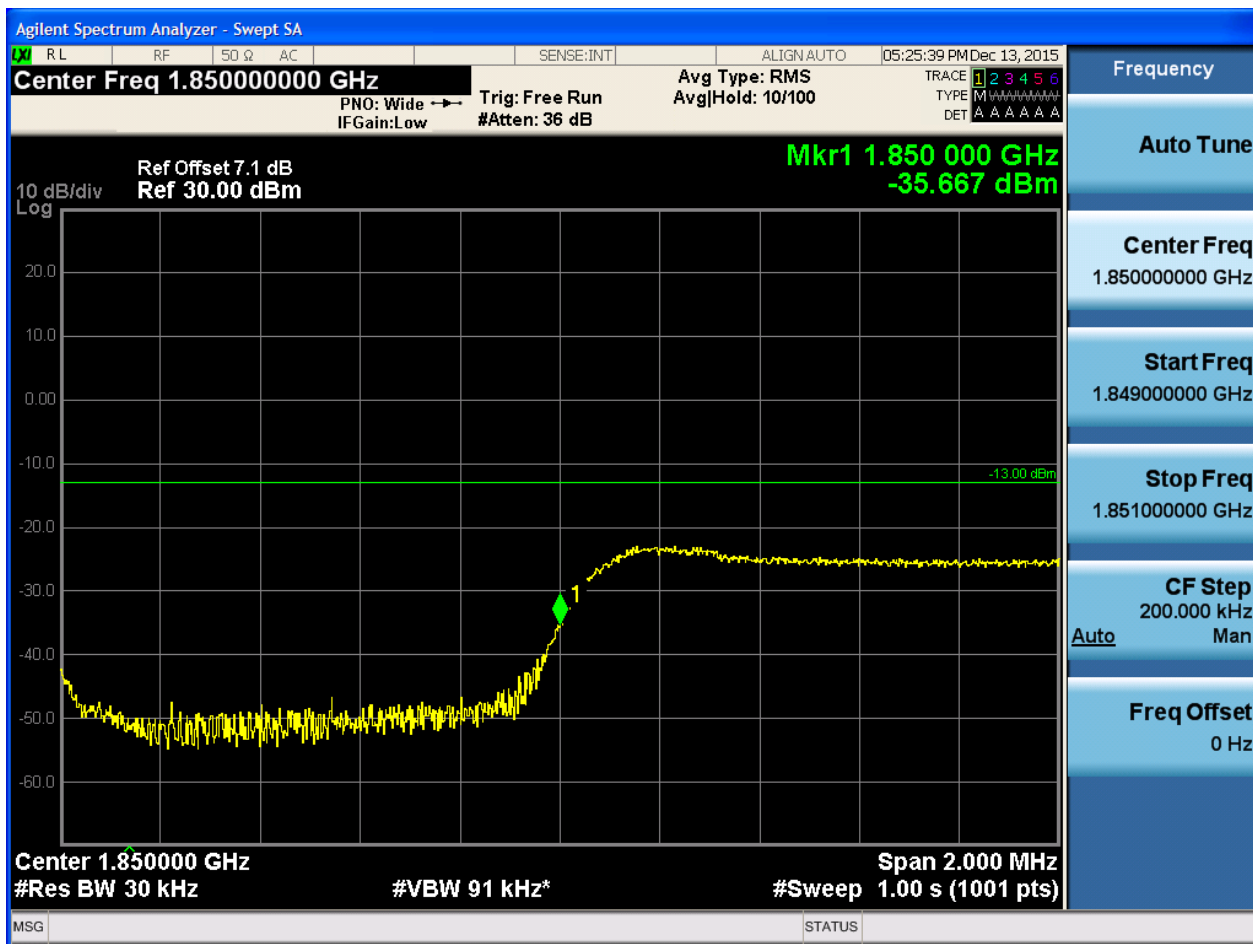
## 5.1.1.2.2.1 Test Channel = LCH

## 5.1.1.2.2.1.1 Test RB = RB1#0



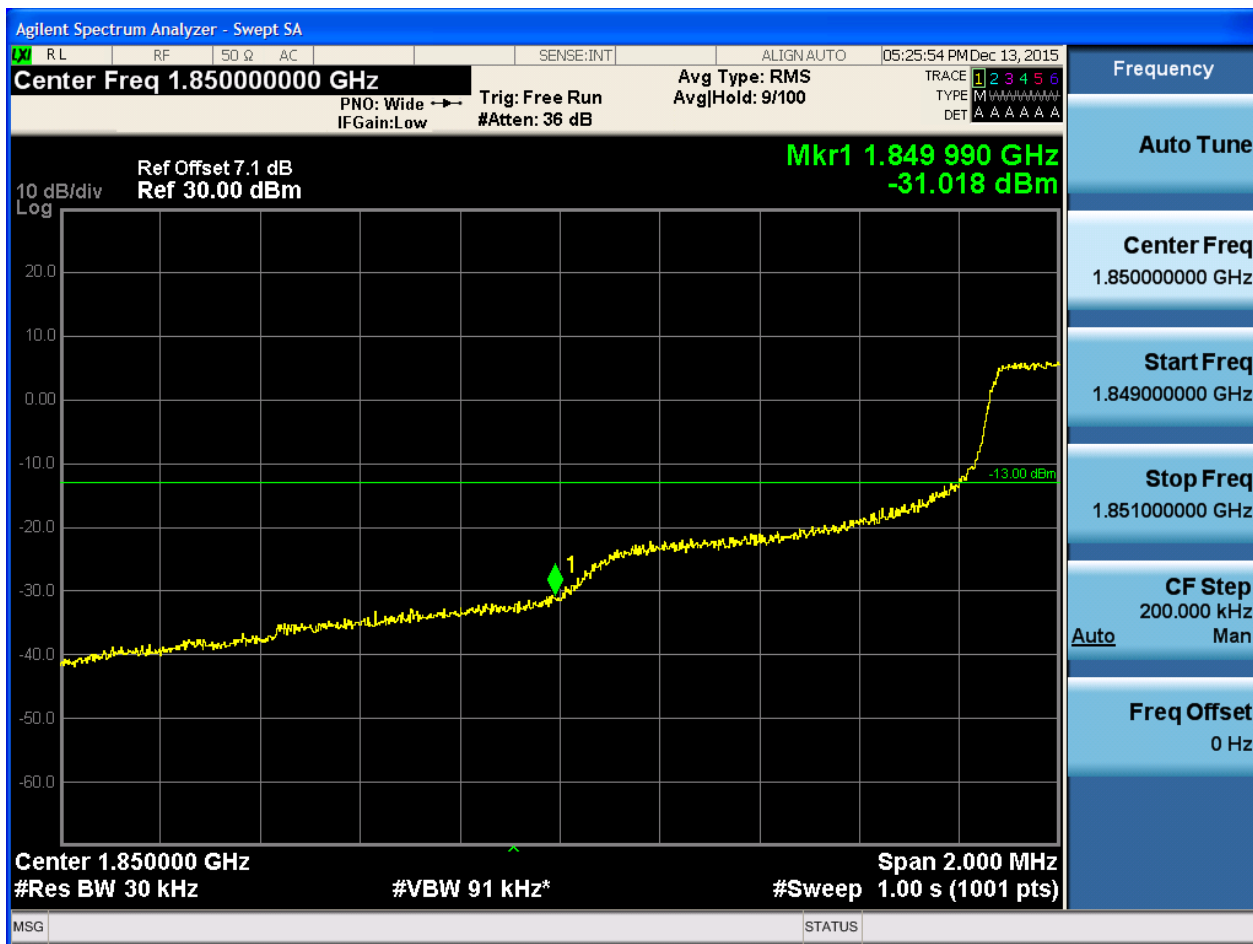


## 5.1.1.2.2.1.2 Test RB = RB1#14



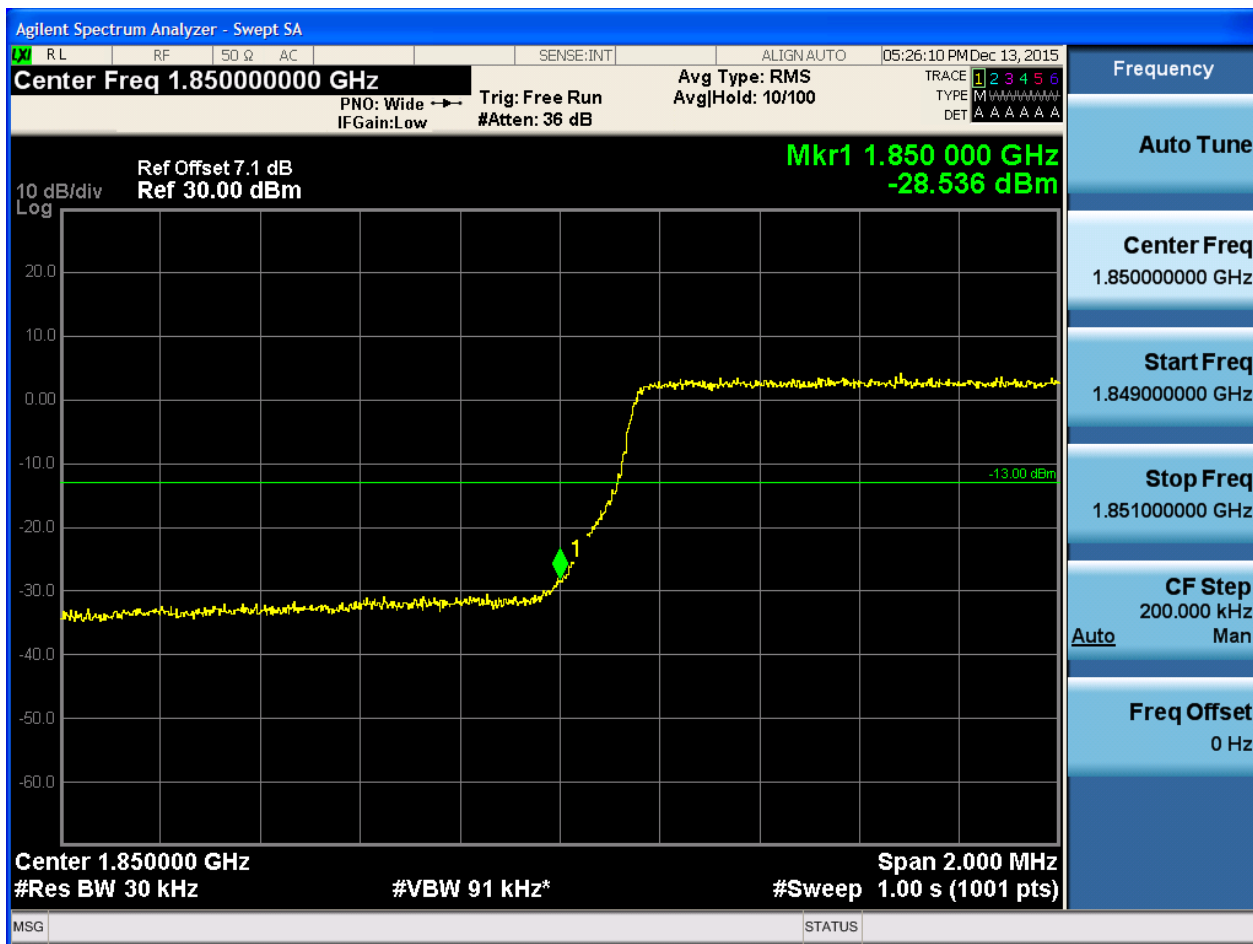


## 5.1.1.2.2.1.3 Test RB = RB8#4





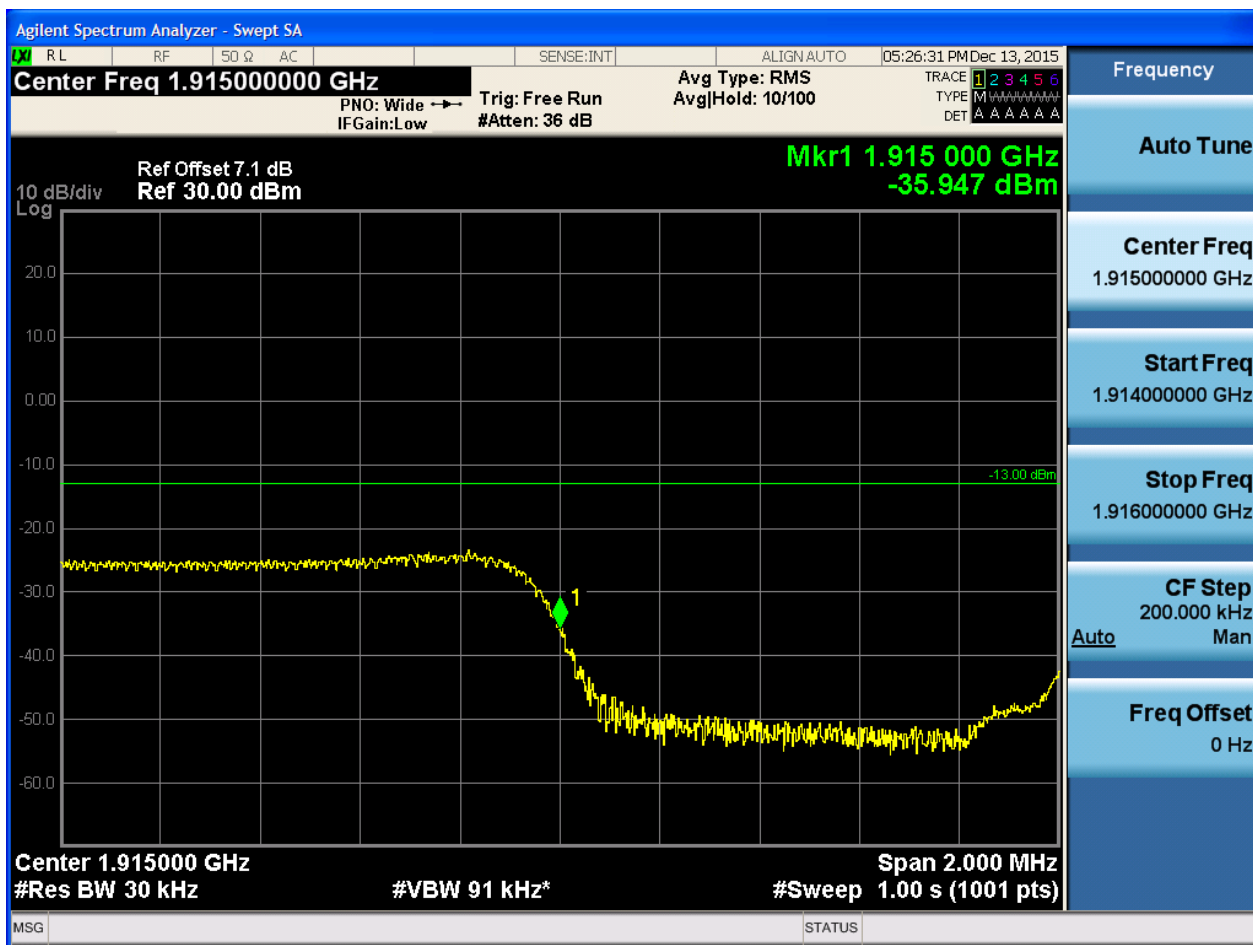
## 5.1.1.2.2.1.4 Test RB = RB15#0





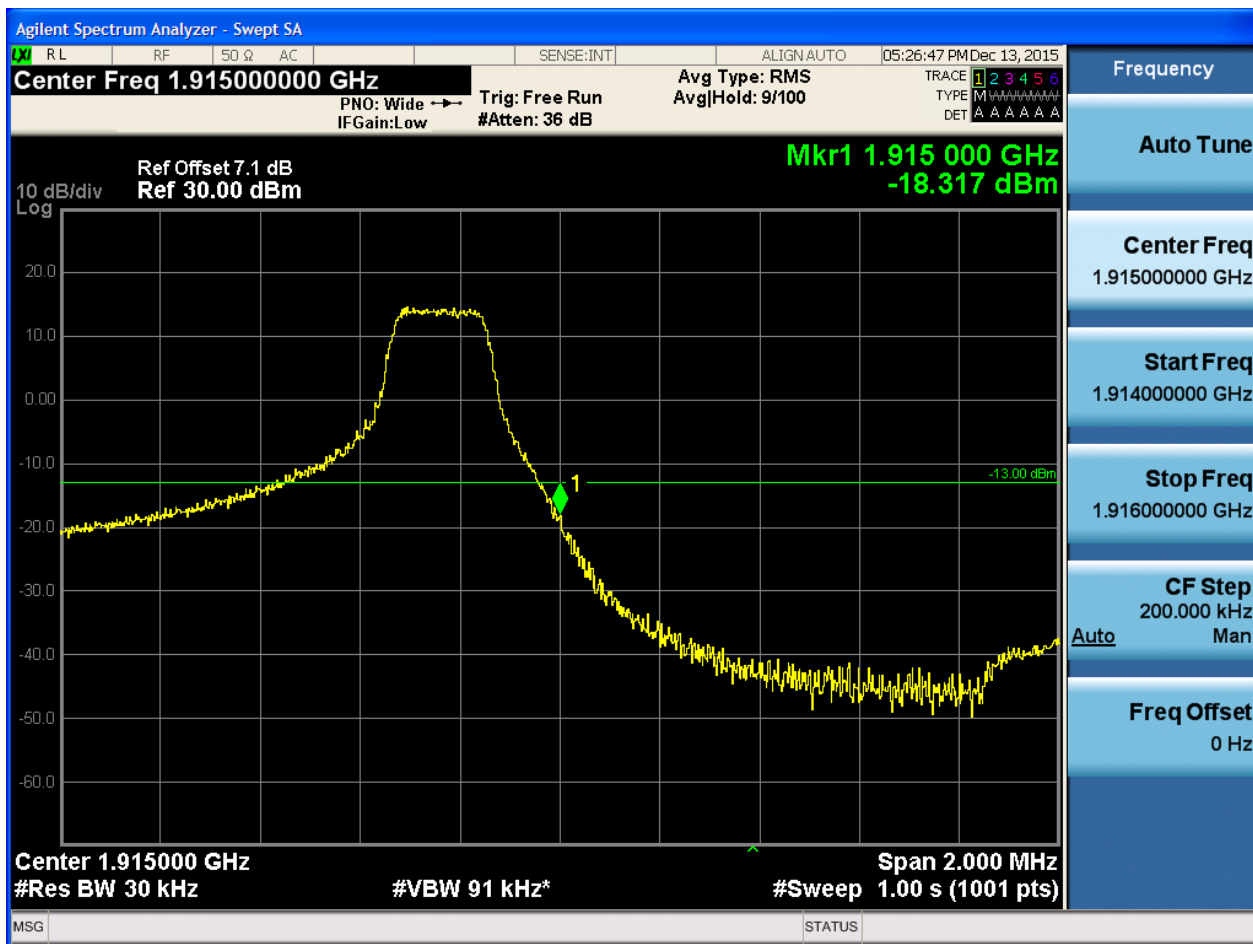
## 5.1.1.2.2.2 Test Channel = HCH

## 5.1.1.2.2.2.1 Test RB = RB1#0





## 5.1.1.2.2.2 Test RB = RB1#14





## 5.1.1.2.2.3 Test RB = RB8#4





## 5.1.1.2.2.4 Test RB = RB15#0

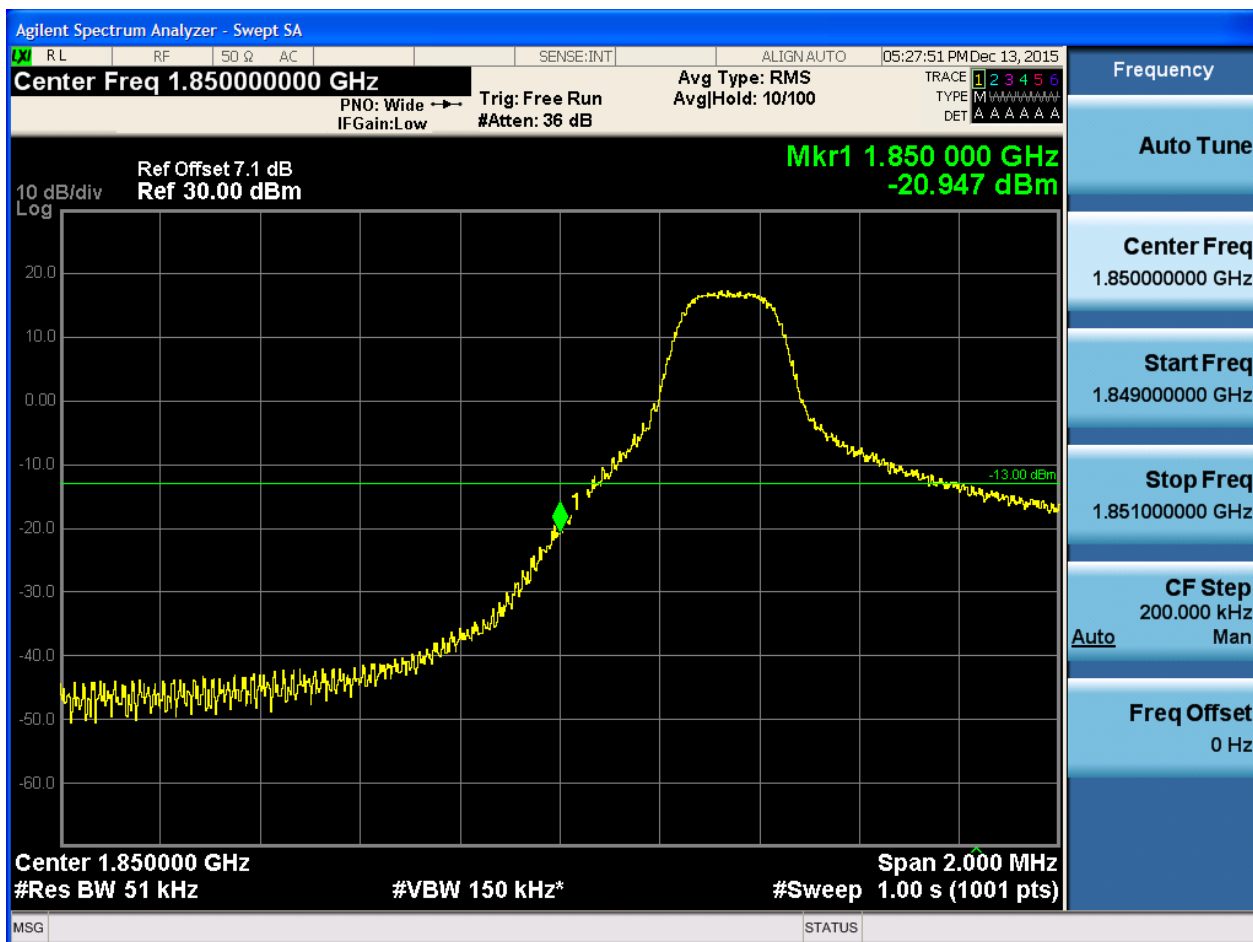




## 5.1.1.2.3 Test Bandwidth = 5

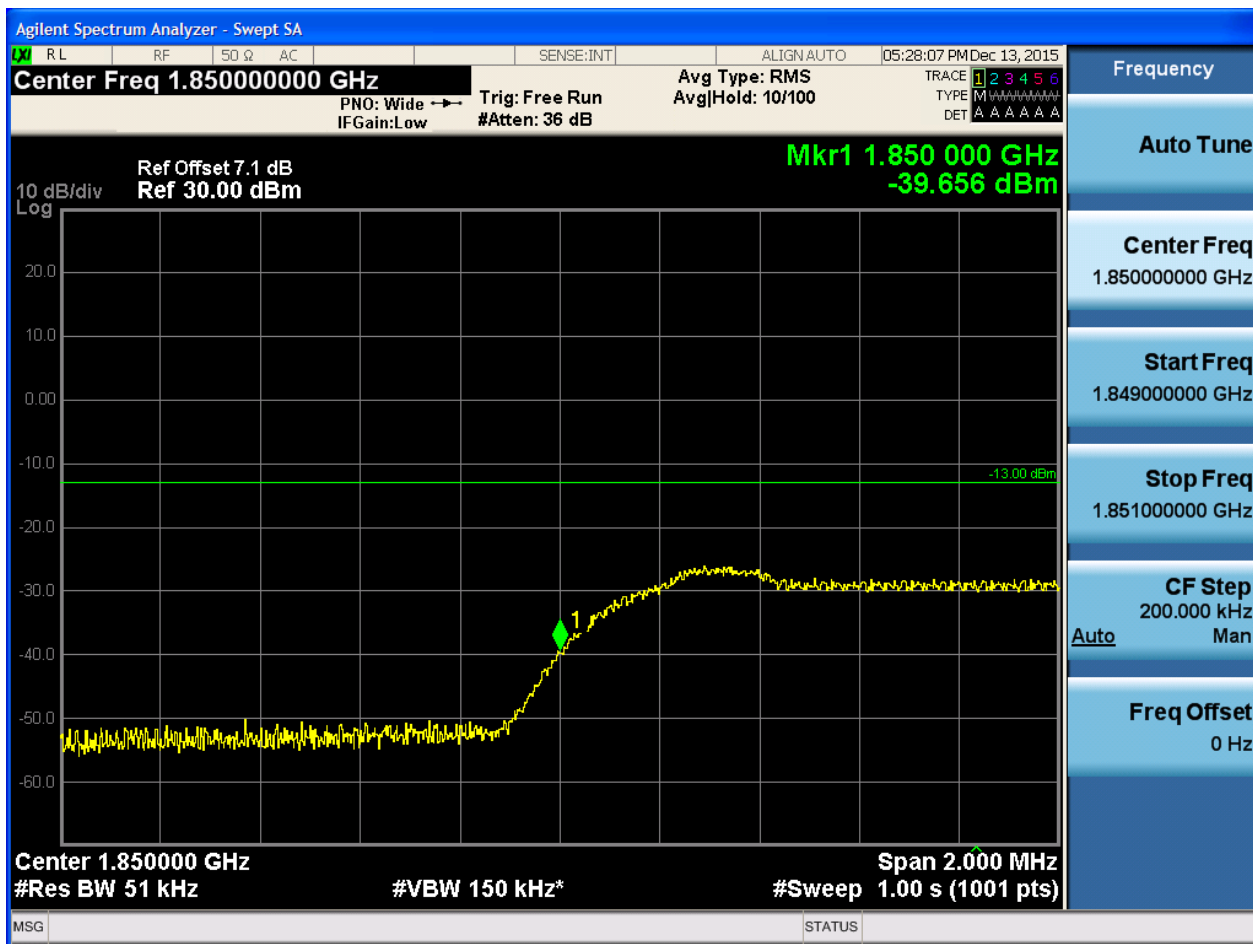
## 5.1.1.2.3.1 Test Channel = LCH

## 5.1.1.2.3.1.1 Test RB = RB1#0





## 5.1.1.2.3.1.2 Test RB = RB1#24



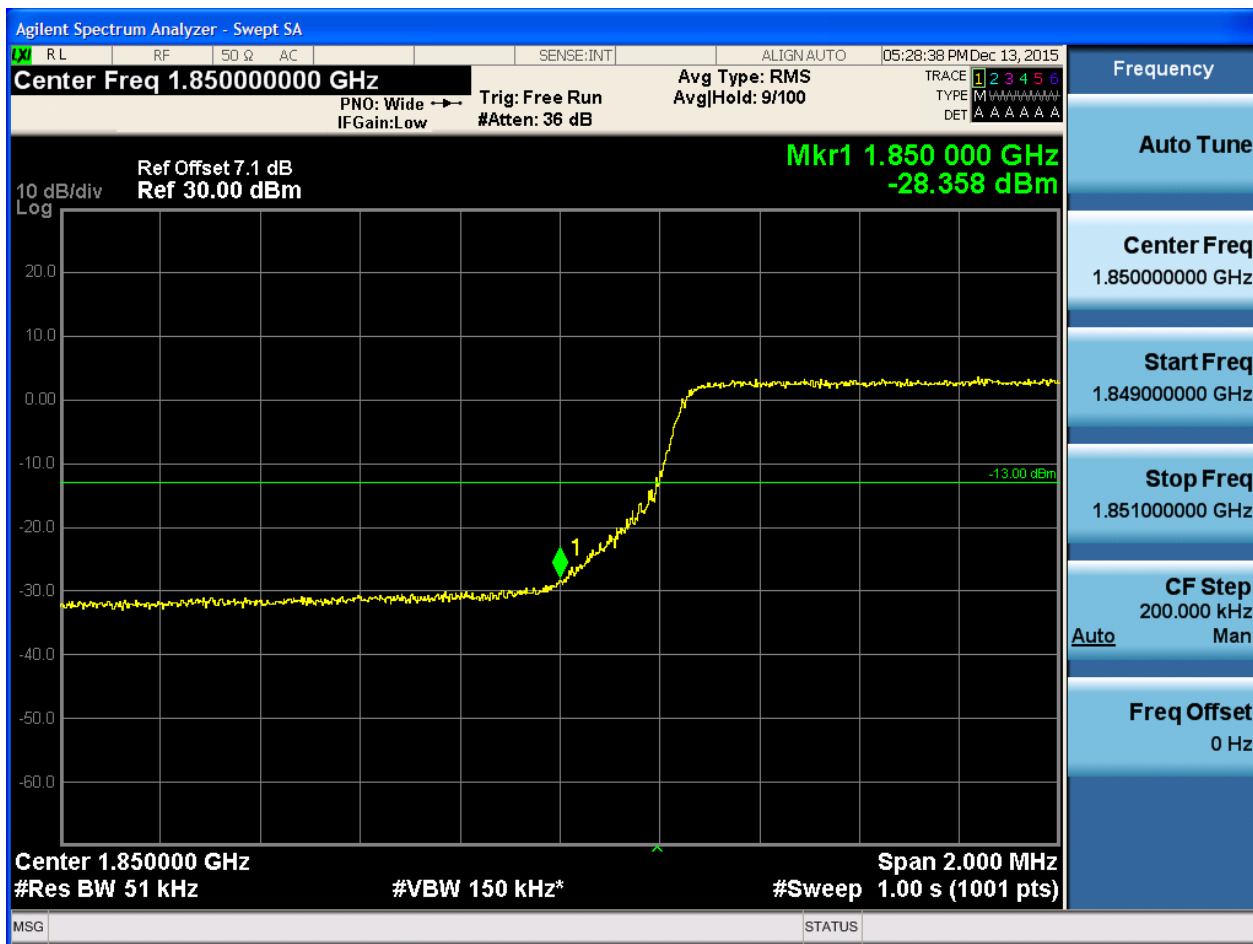


## 5.1.1.2.3.1.3 Test RB = RB12#6





## 5.1.1.2.3.1.4 Test RB = RB25#0





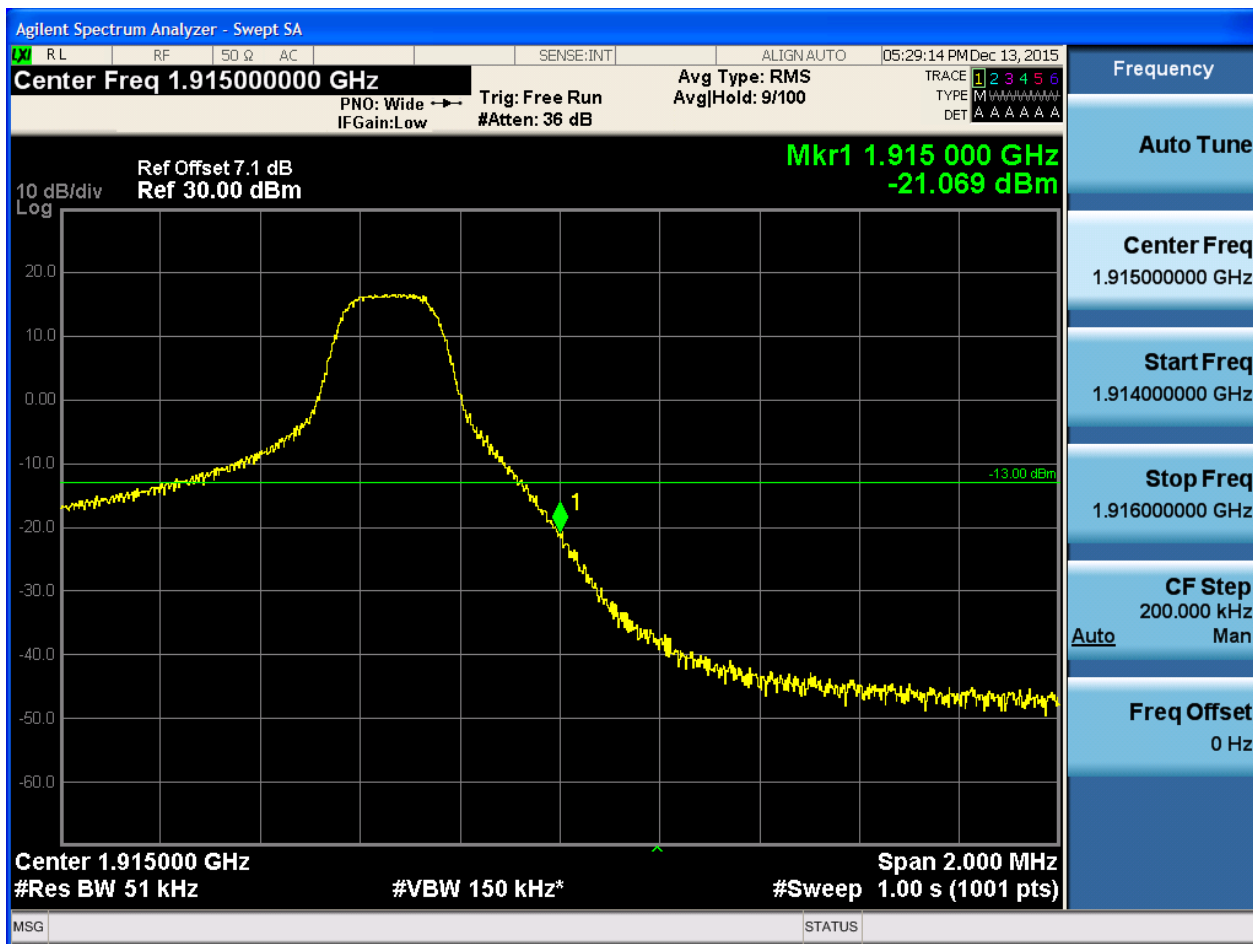
## 5.1.1.2.3.2 Test Channel = HCH

## 5.1.1.2.3.2.1 Test RB = RB1#0





## 5.1.1.2.3.2.2 Test RB = RB1#24





## 5.1.1.2.3.2.3 Test RB = RB12#6





## 5.1.1.2.3.2.4 Test RB = RB25#0

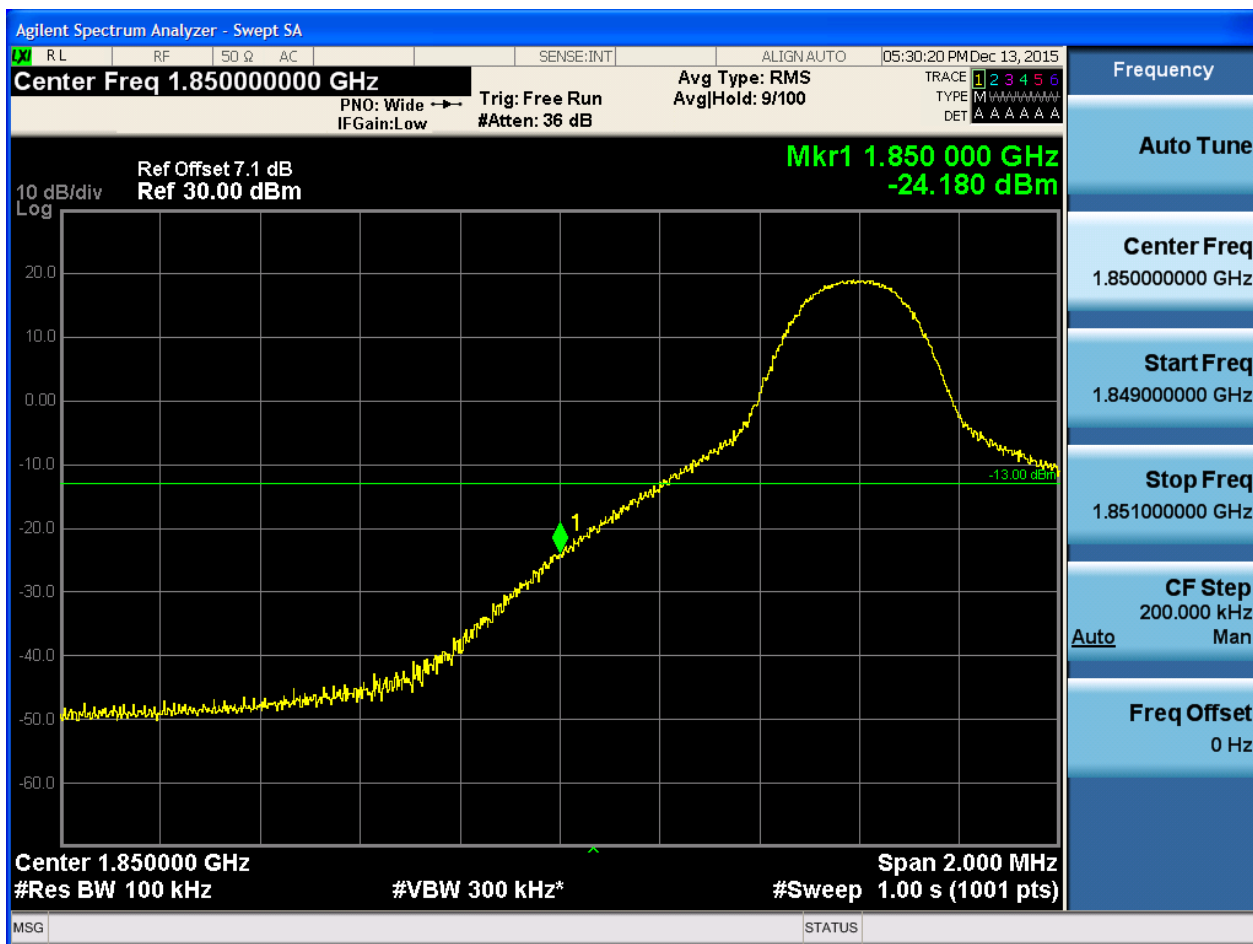




## 5.1.1.2.4 Test Bandwidth = 10

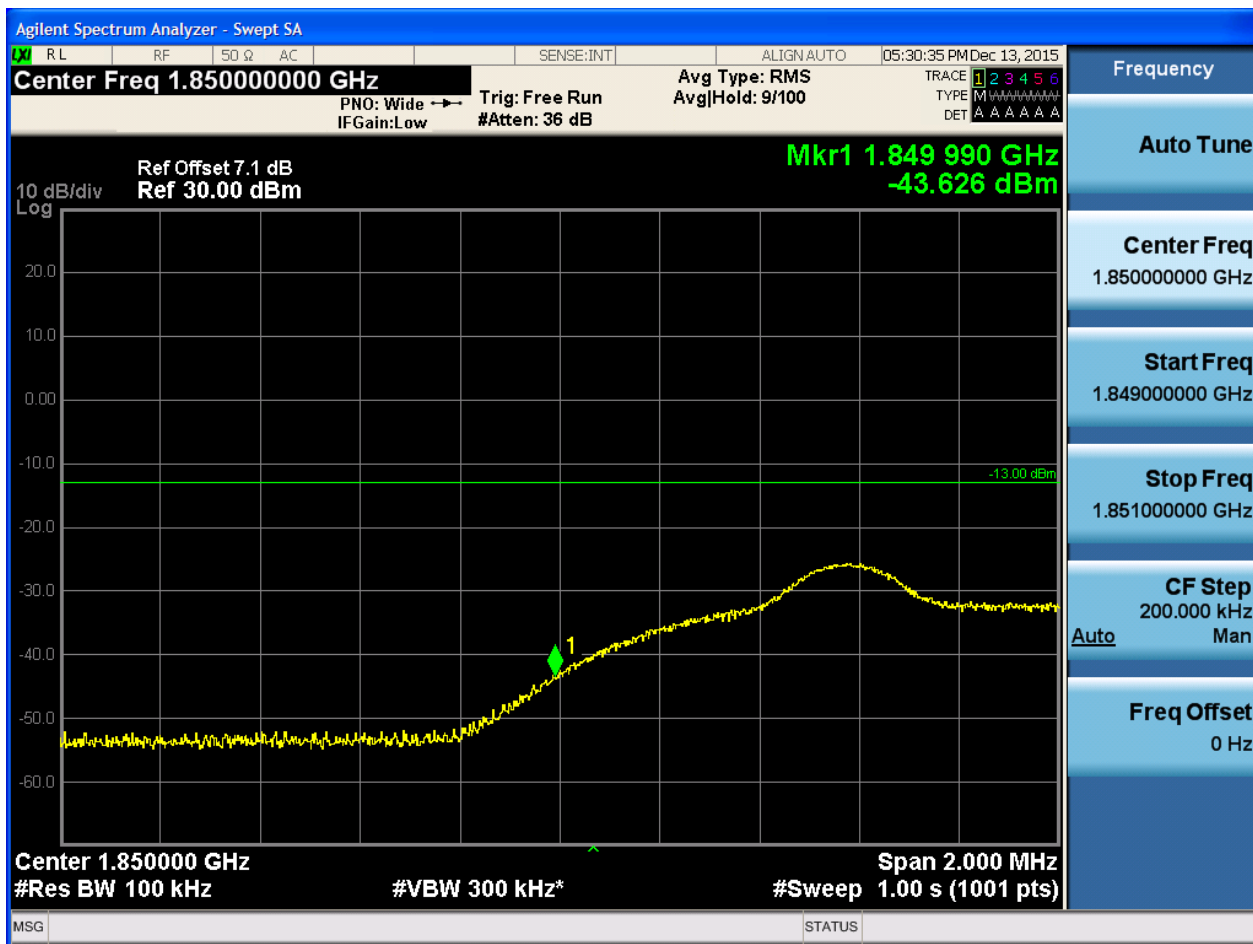
## 5.1.1.2.4.1 Test Channel = LCH

## 5.1.1.2.4.1.1 Test RB = RB1#0



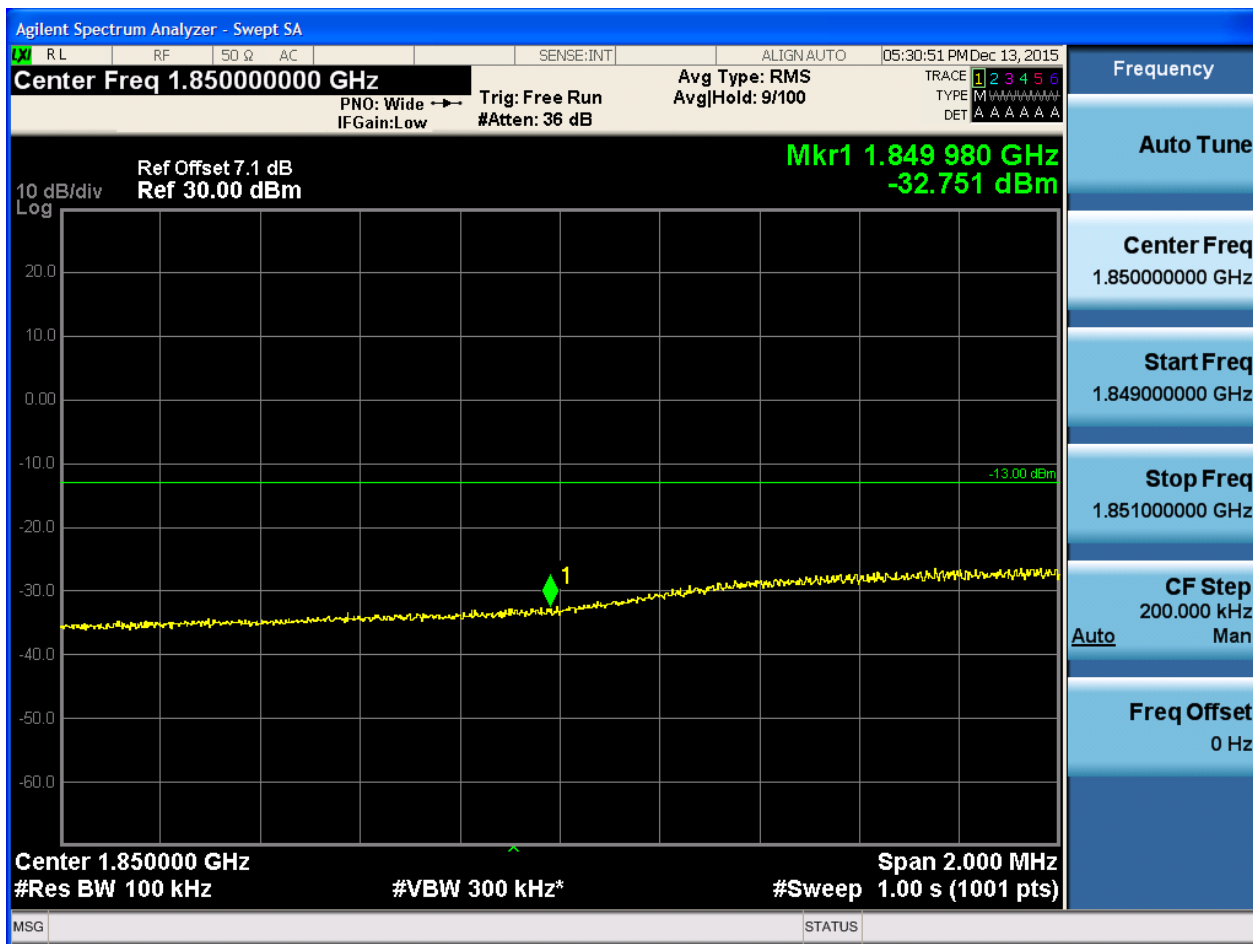


## 5.1.1.2.4.1.2 Test RB = RB1#49



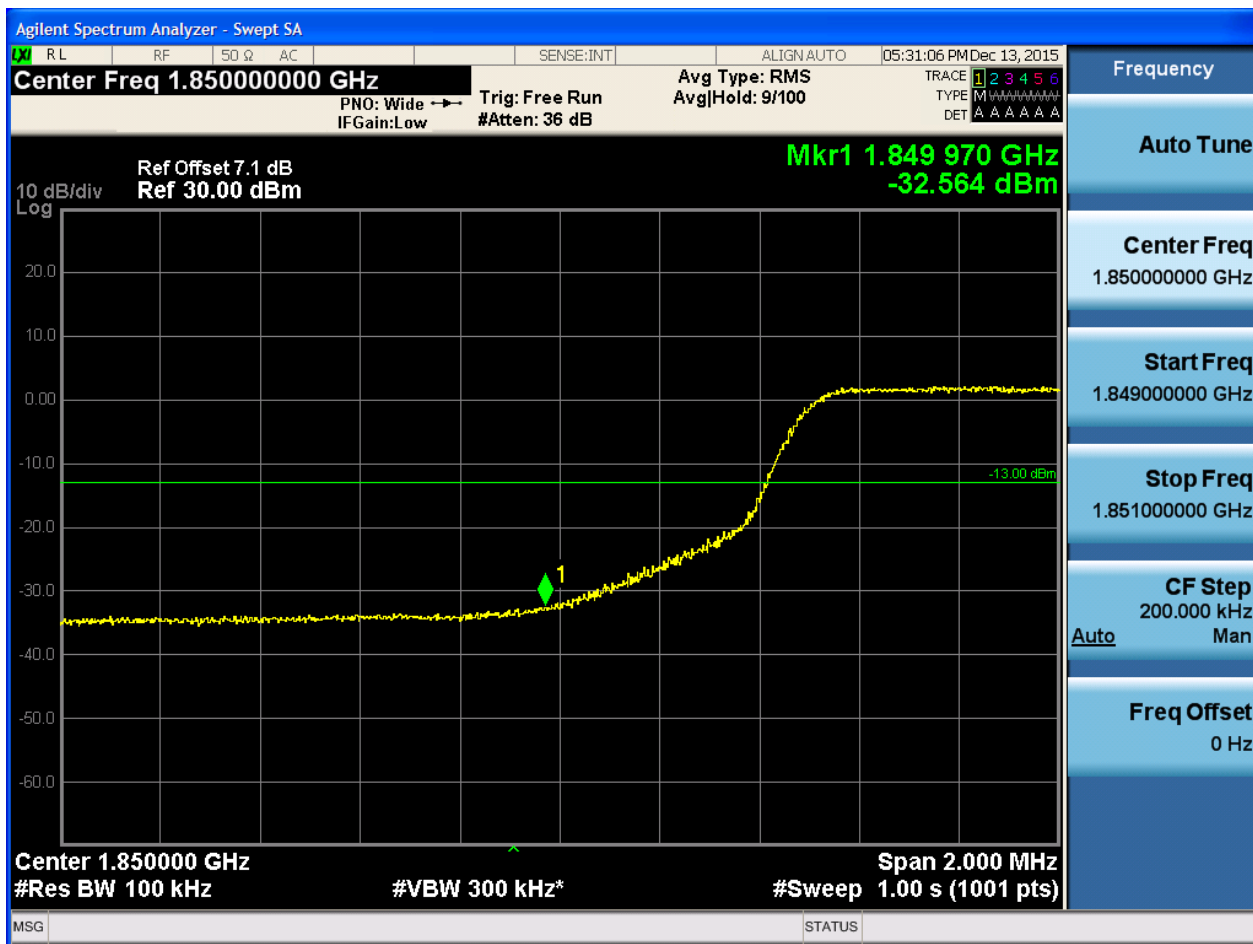


## 5.1.1.2.4.1.3 Test RB = RB25#13





## 5.1.1.2.4.1.4 Test RB = RB50#0





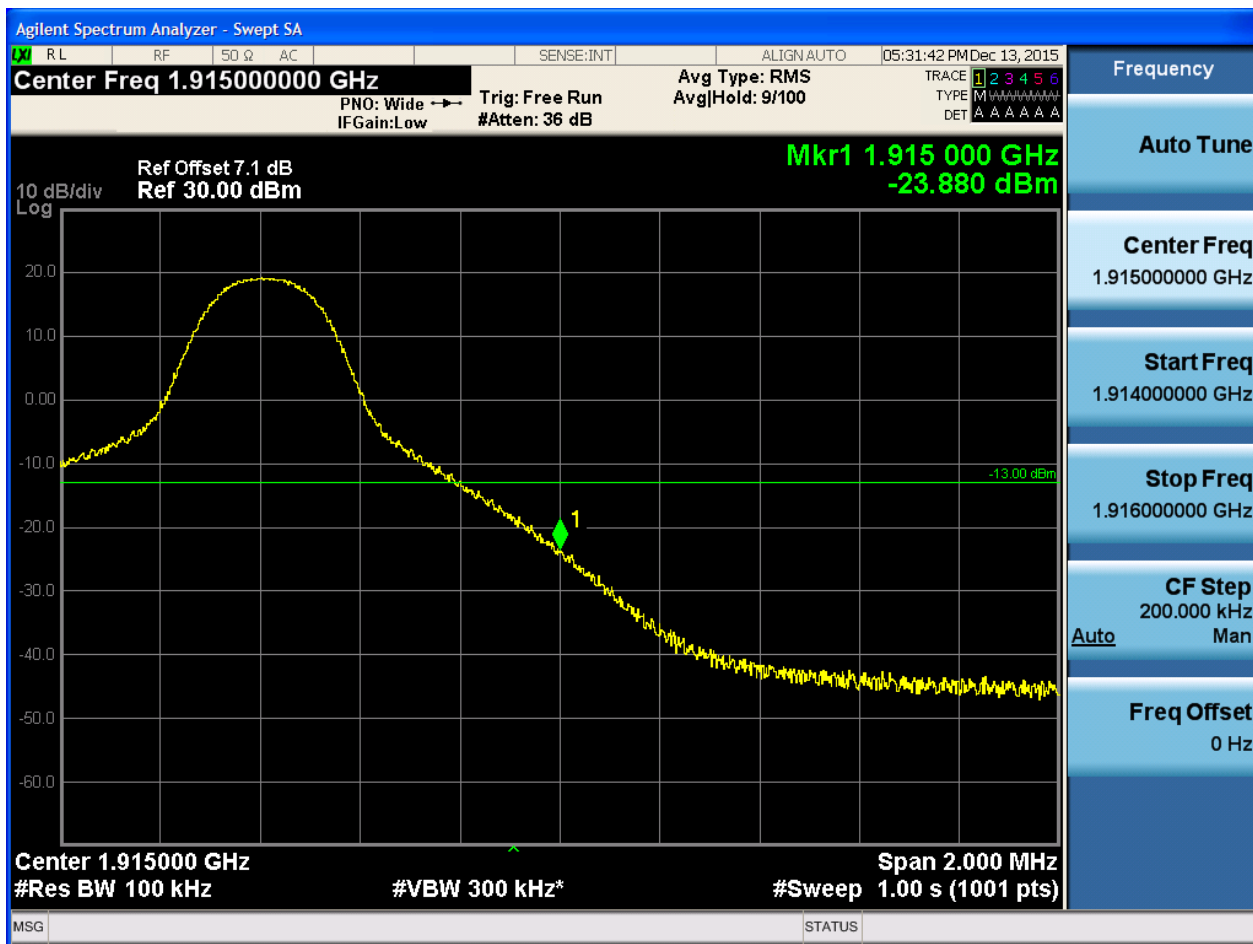
## 5.1.1.2.4.2 Test Channel = HCH

## 5.1.1.2.4.2.1 Test RB = RB1#0



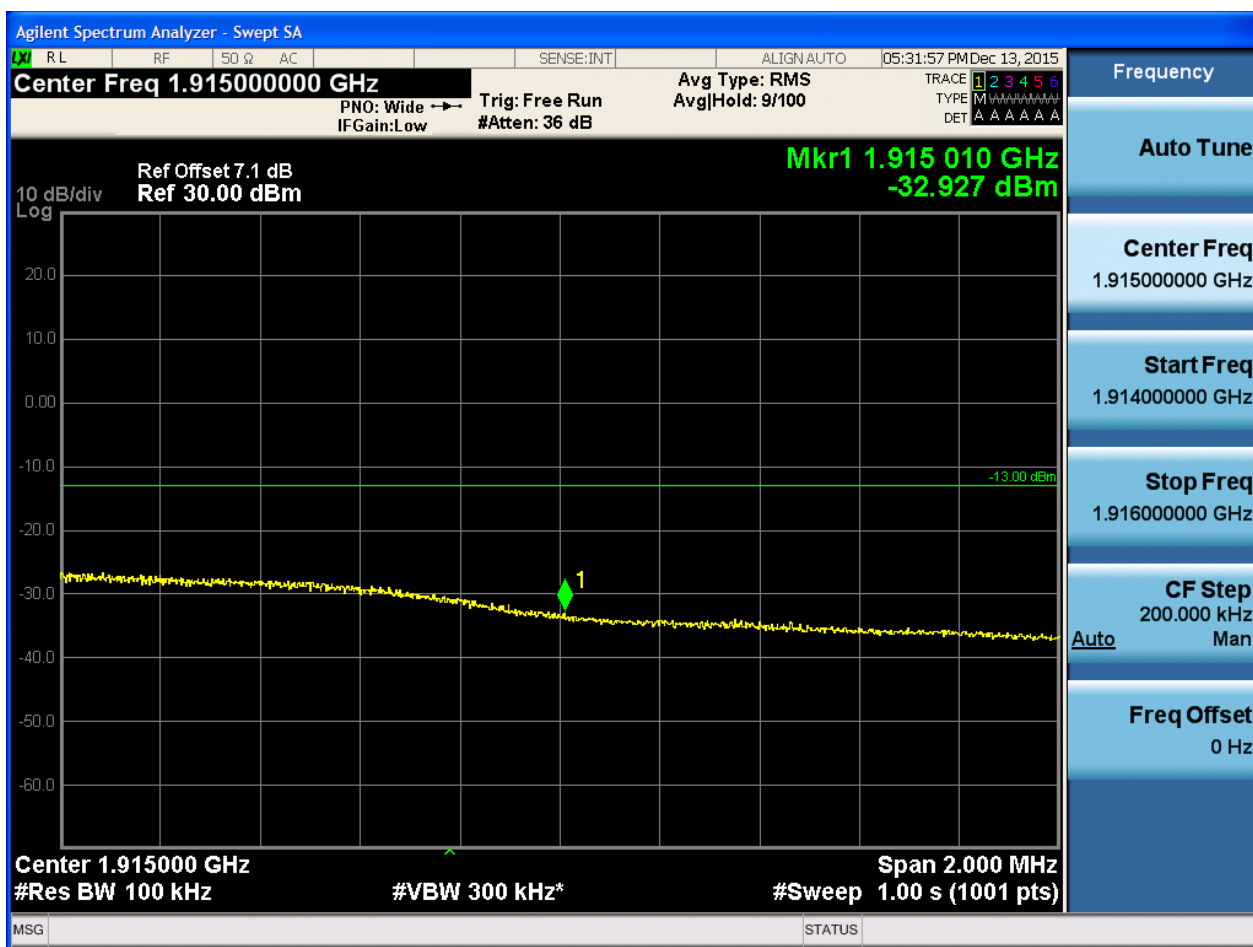


## 5.1.1.2.4.2.2 Test RB = RB1#49





## 5.1.1.2.4.2.3 Test RB = RB25#13





## 5.1.1.2.4.2.4 Test RB = RB50#0

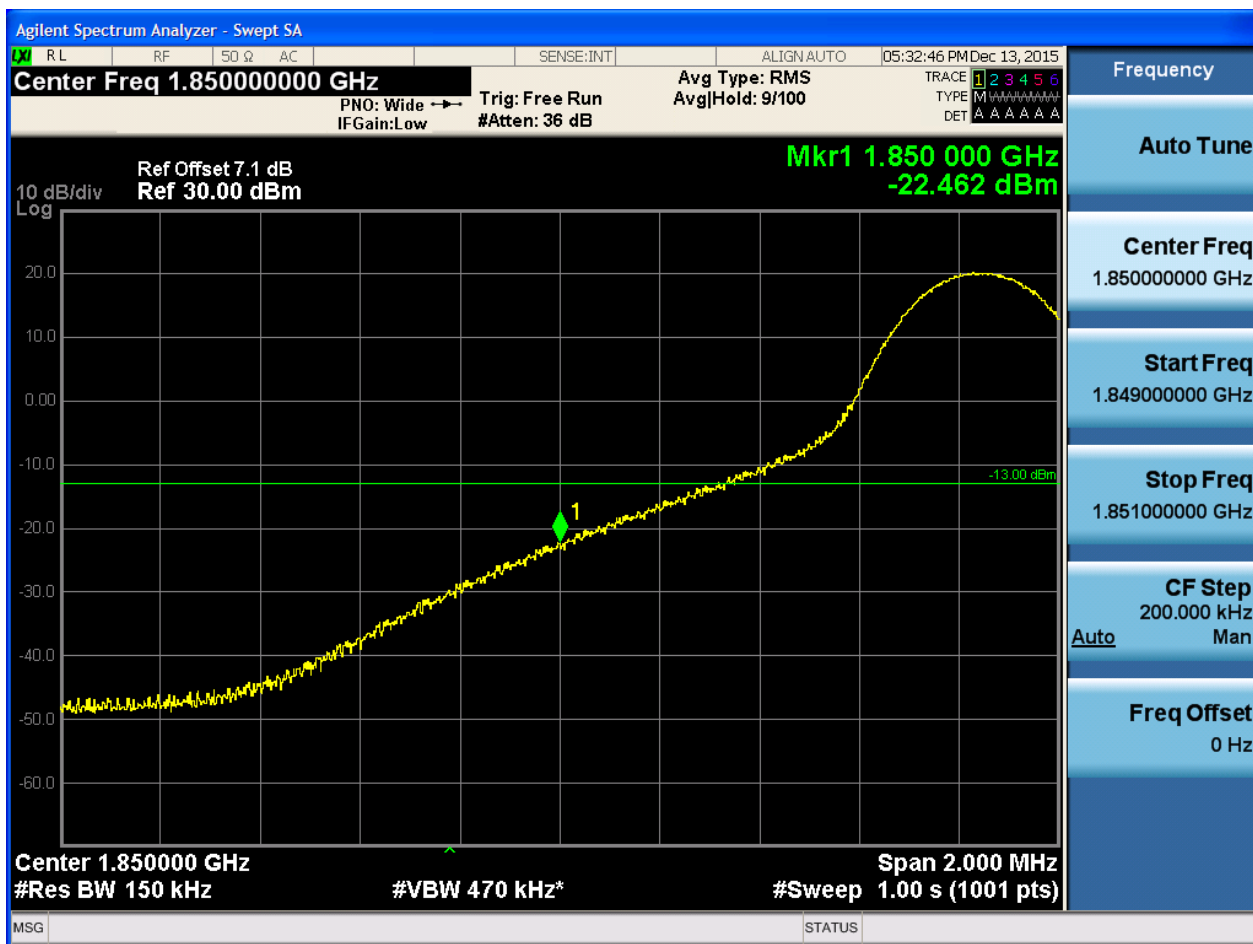




## 5.1.1.2.5 Test Bandwidth = 15

## 5.1.1.2.5.1 Test Channel = LCH

## 5.1.1.2.5.1.1 Test RB = RB1#0



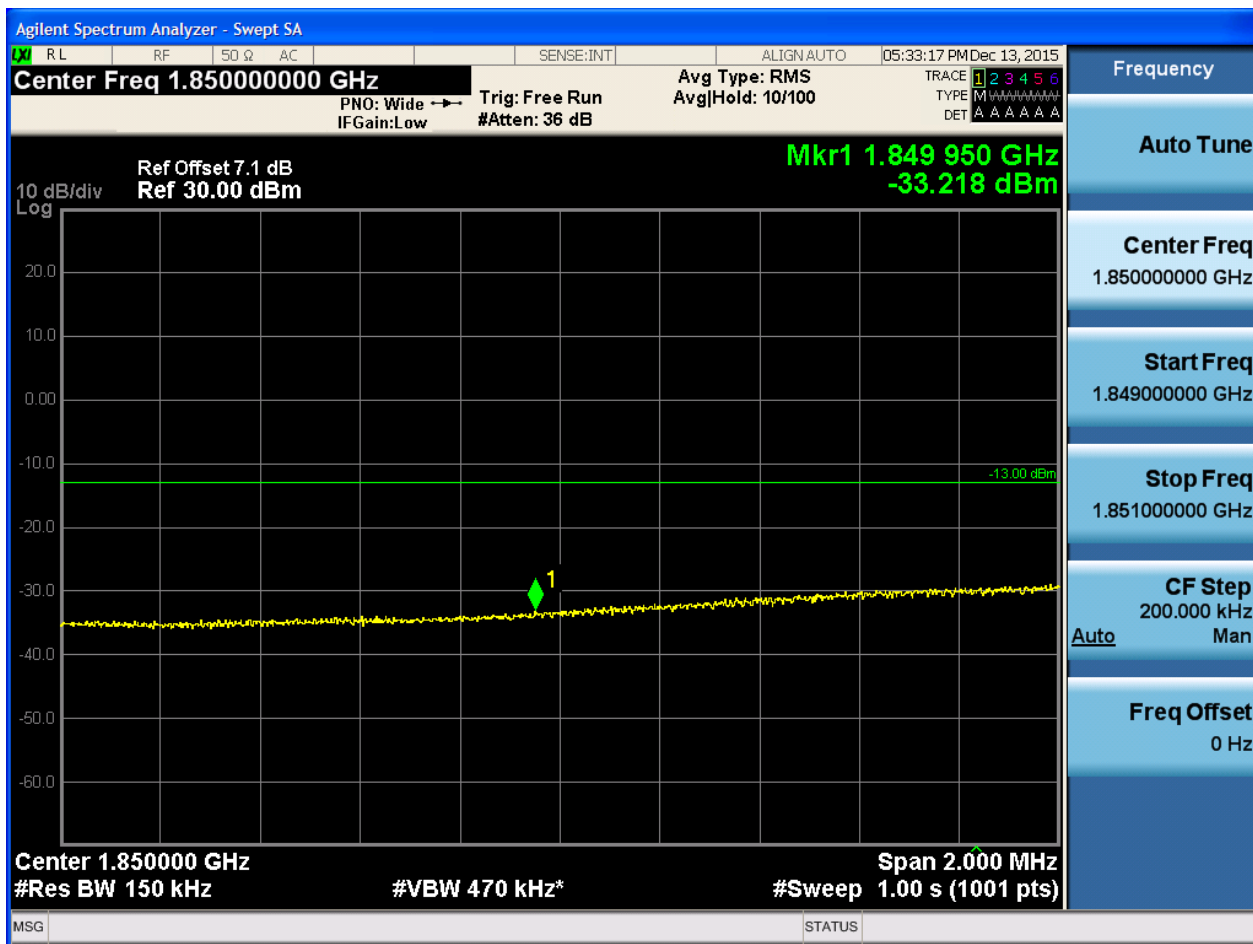


## 5.1.1.2.5.1.1 Test RB = RB1#74





## 5.1.1.2.5.1.3 Test RB = RB38#19





## 5.1.1.2.5.1.4 Test RB = RB75#0





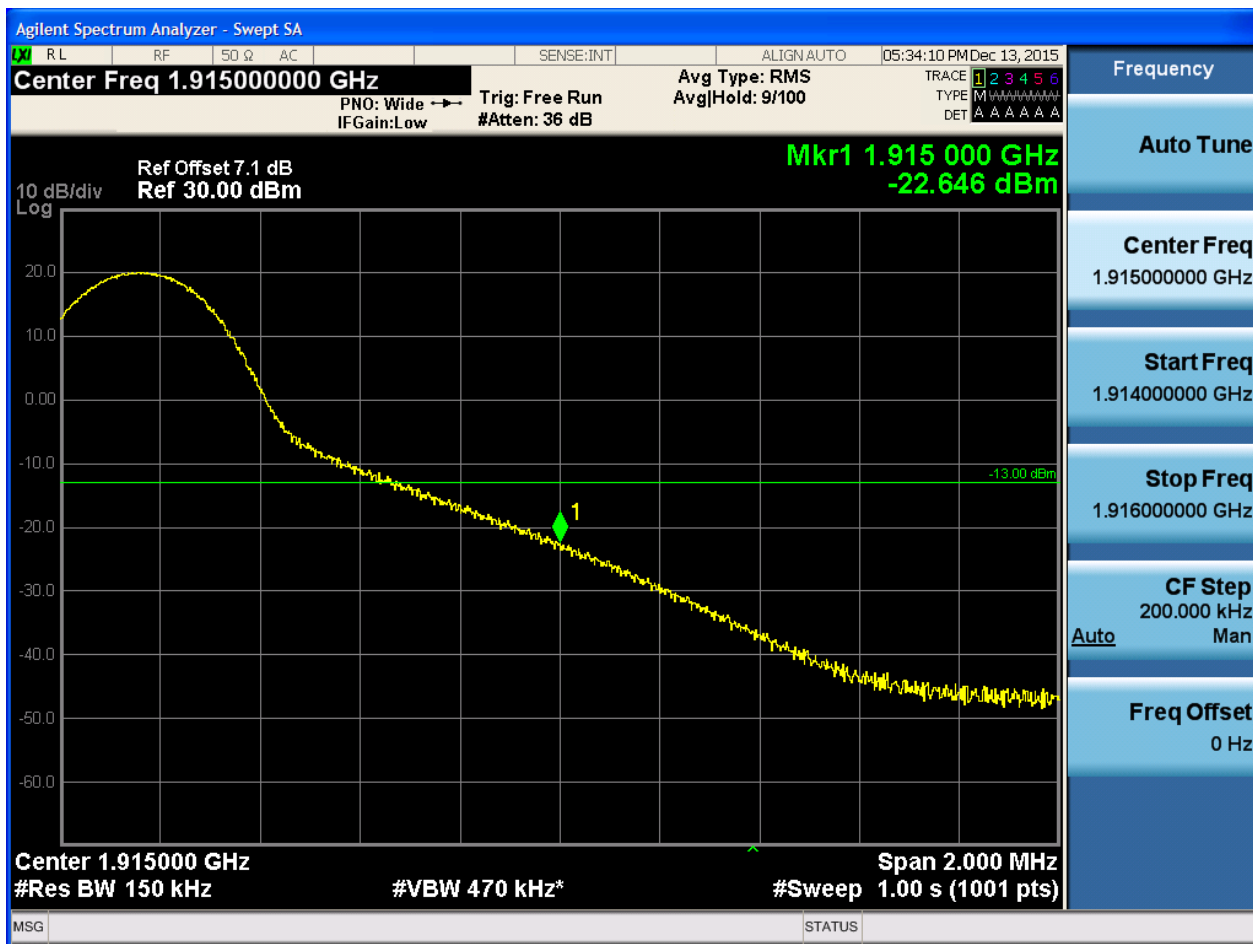
## 5.1.1.2.5.2 Test Channel = HCH

## 5.1.1.2.5.2.1 Test RB = RB1#0





## 5.1.1.2.5.2.2 Test RB = RB1#74





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.91500000 GHz

Ref Offset 7.1 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.915 010 GHz  
-34.706 dBm

Trig: Free Run  
#Atten: 36 dB

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

#Res BW 150 kHz  
#VBW 470 kHz\*

Auto Tune

Center Freq  
1.91500000 GHz

Start Freq  
1.914000000 GHz

Stop Freq  
1.916000000 GHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz



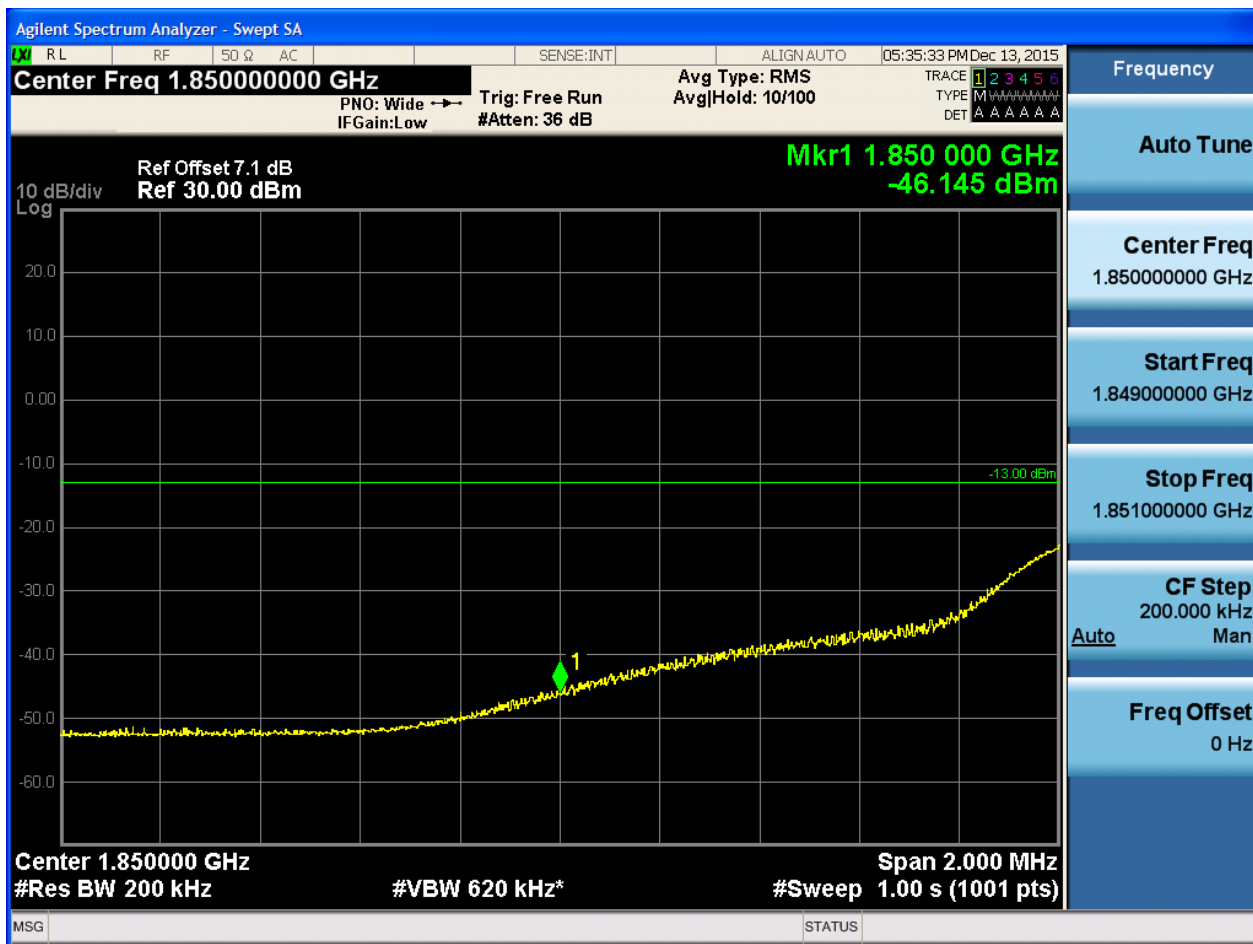
## 5.1.1.2.5.2.4 Test RB = RB75#0







## 5.1.1.2.6.1.2 Test RB = RB1#99



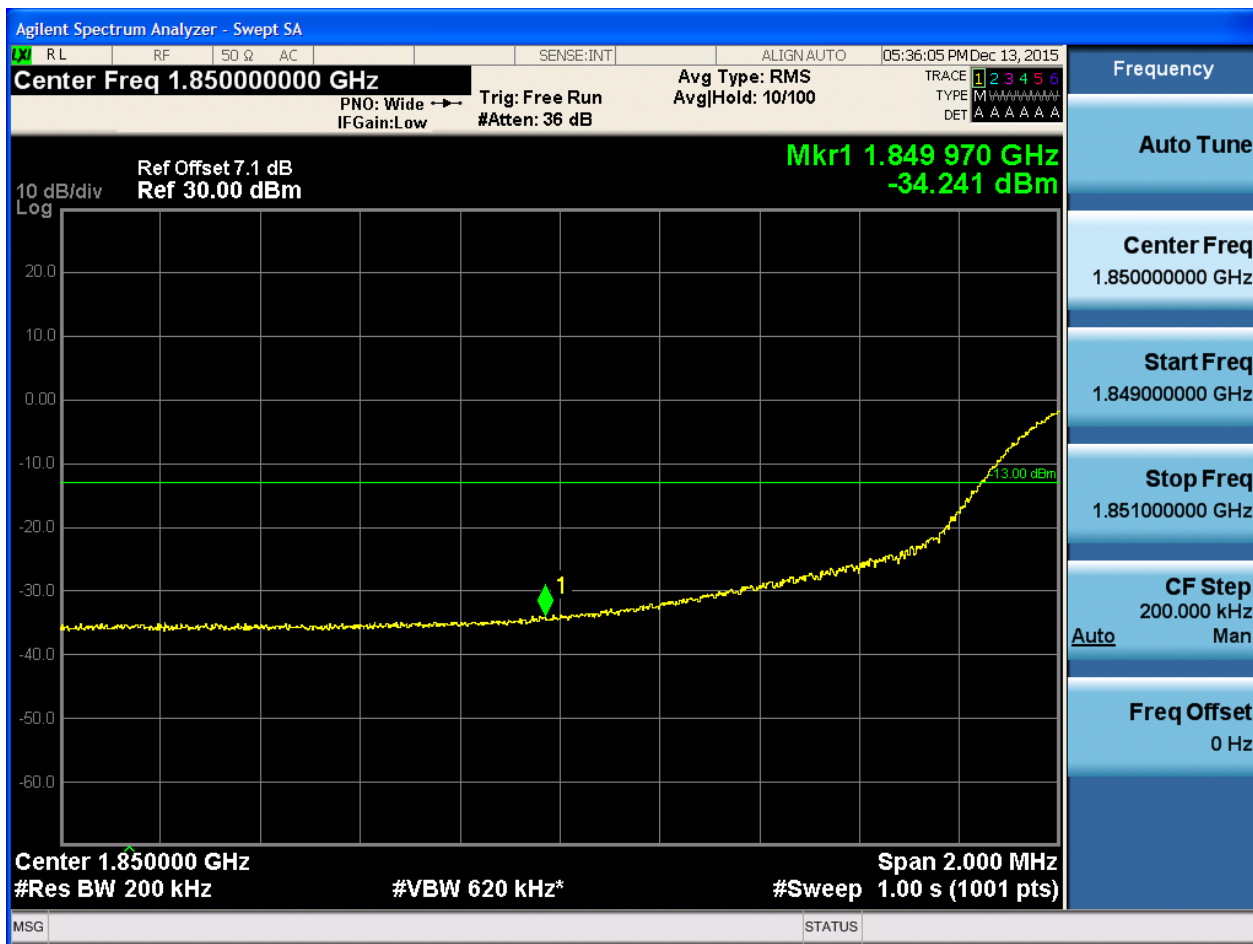


## 5.1.1.2.6.1.3 Test RB = RB50#25





## 5.1.1.2.6.1.4 Test RB = RB100#0





## 5.1.1.2.6.2 Test Channel = HCH

## 5.1.1.2.6.2.1 Test RB = RB1#0





## 5.1.1.2.6.2.2 Test RB = RB1#99





## 5.1.1.2.6.2.3 Test RB = RB50#25





## 5.1.1.2.6.2.4 Test RB = RB100#0



## 6Appendix\_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

### Part I - Test Plots

#### 6.1 For LTE

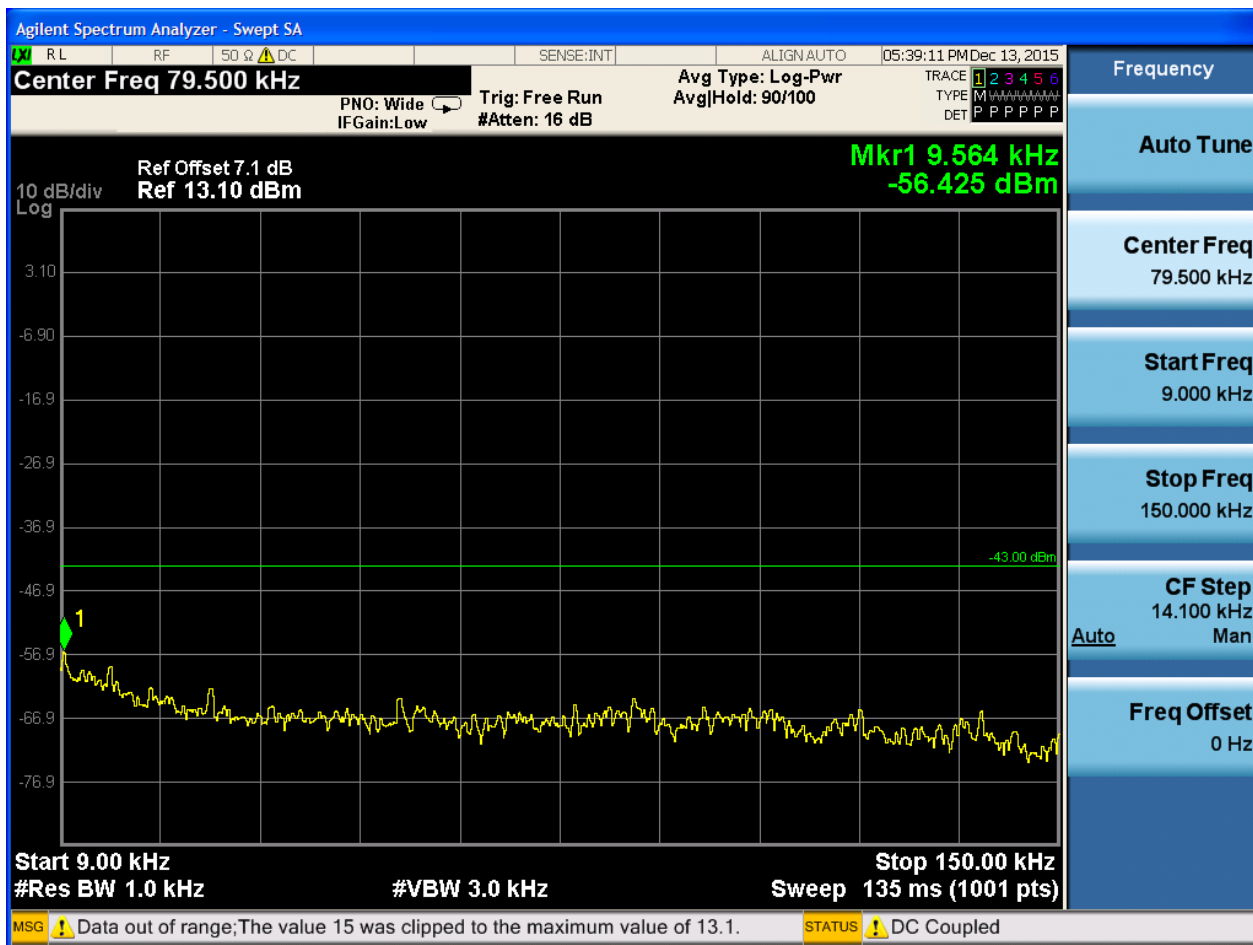
##### 6.1.1 Test Band = BAND25

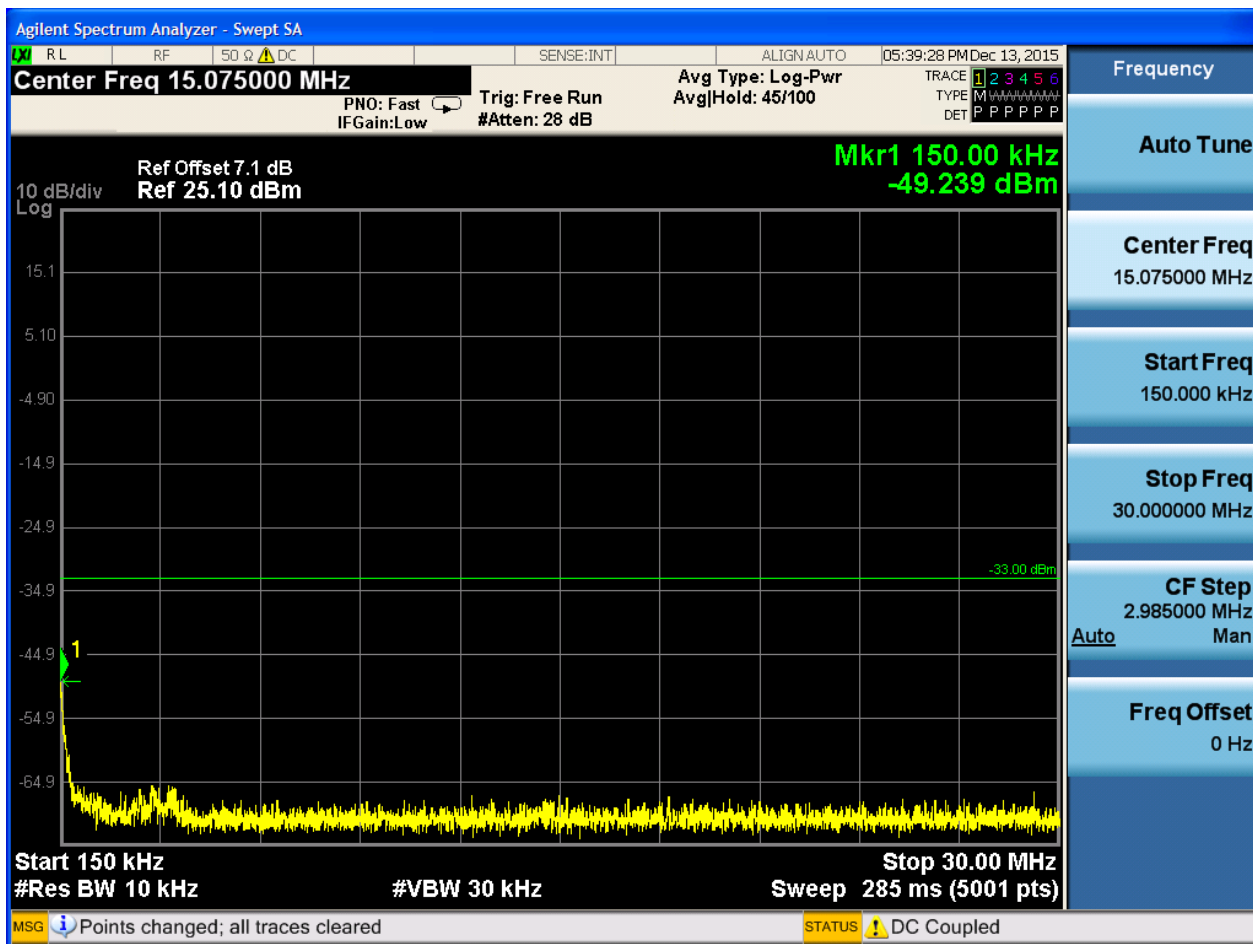
##### 6.1.1.1 Test Mode = LTE/TM1

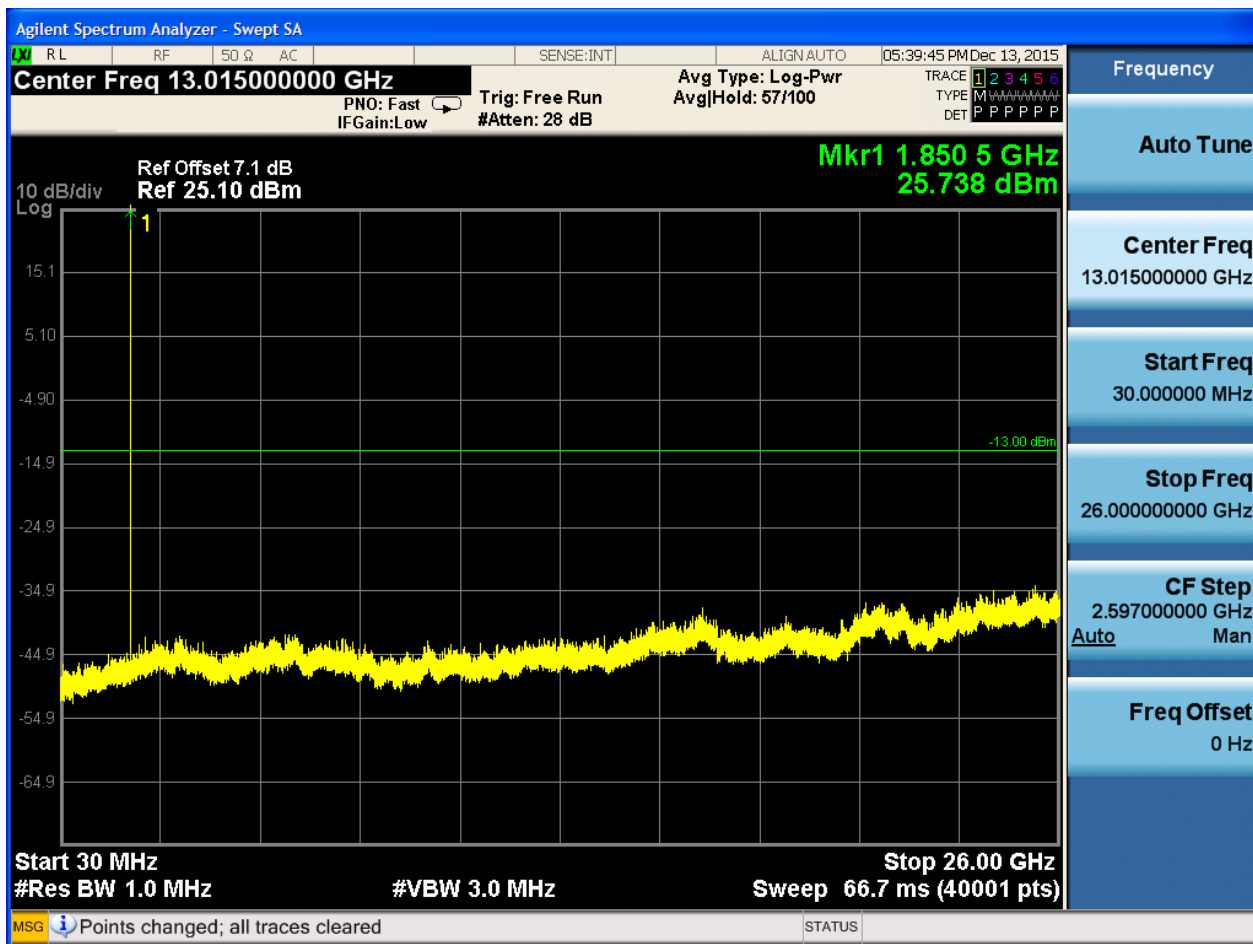
##### 6.1.1.1.1 Test Bandwidth = 1.4

##### 6.1.1.1.1.1 Test Channel = LCH

##### 6.1.1.1.1.1.1 Test RB = RB1#0



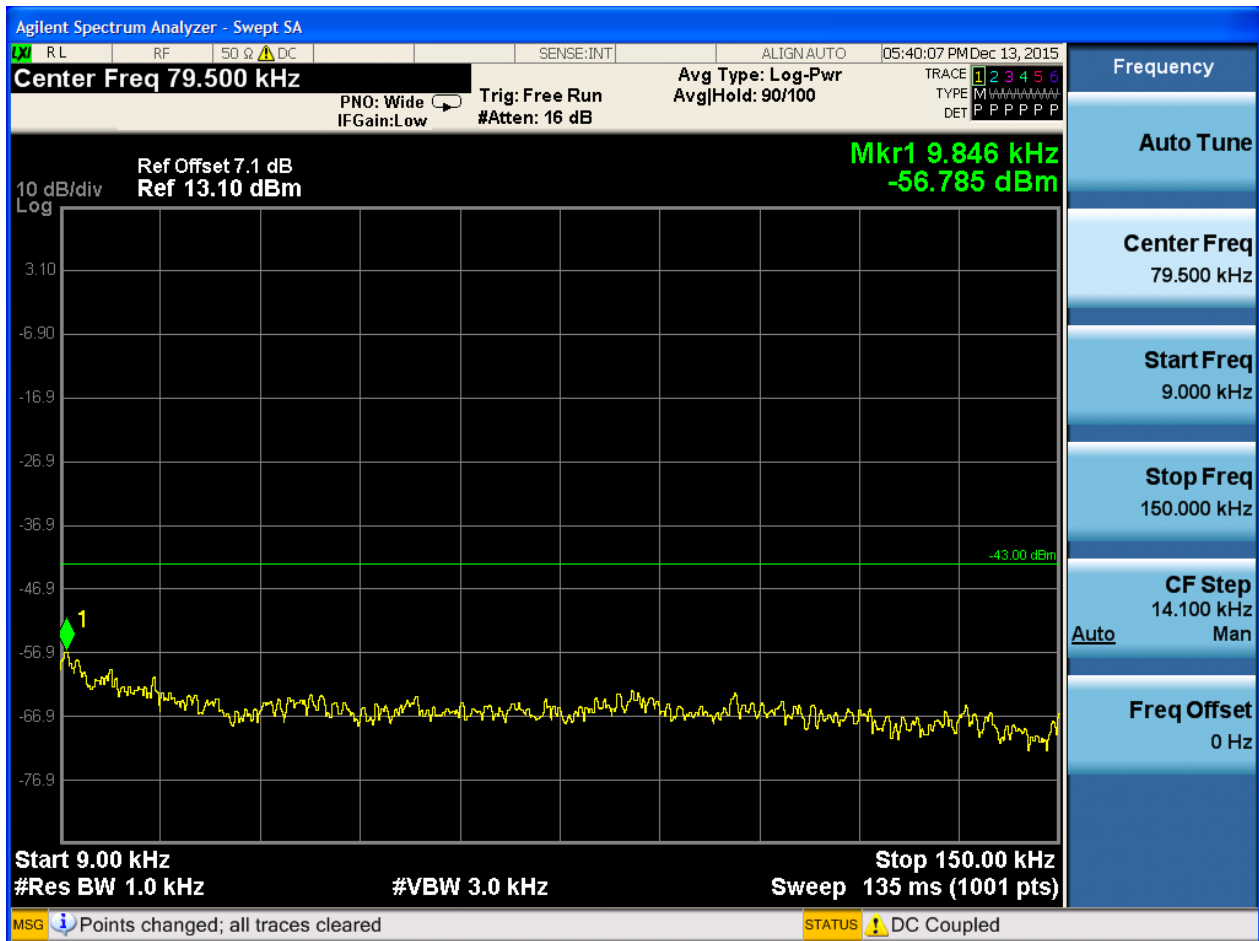


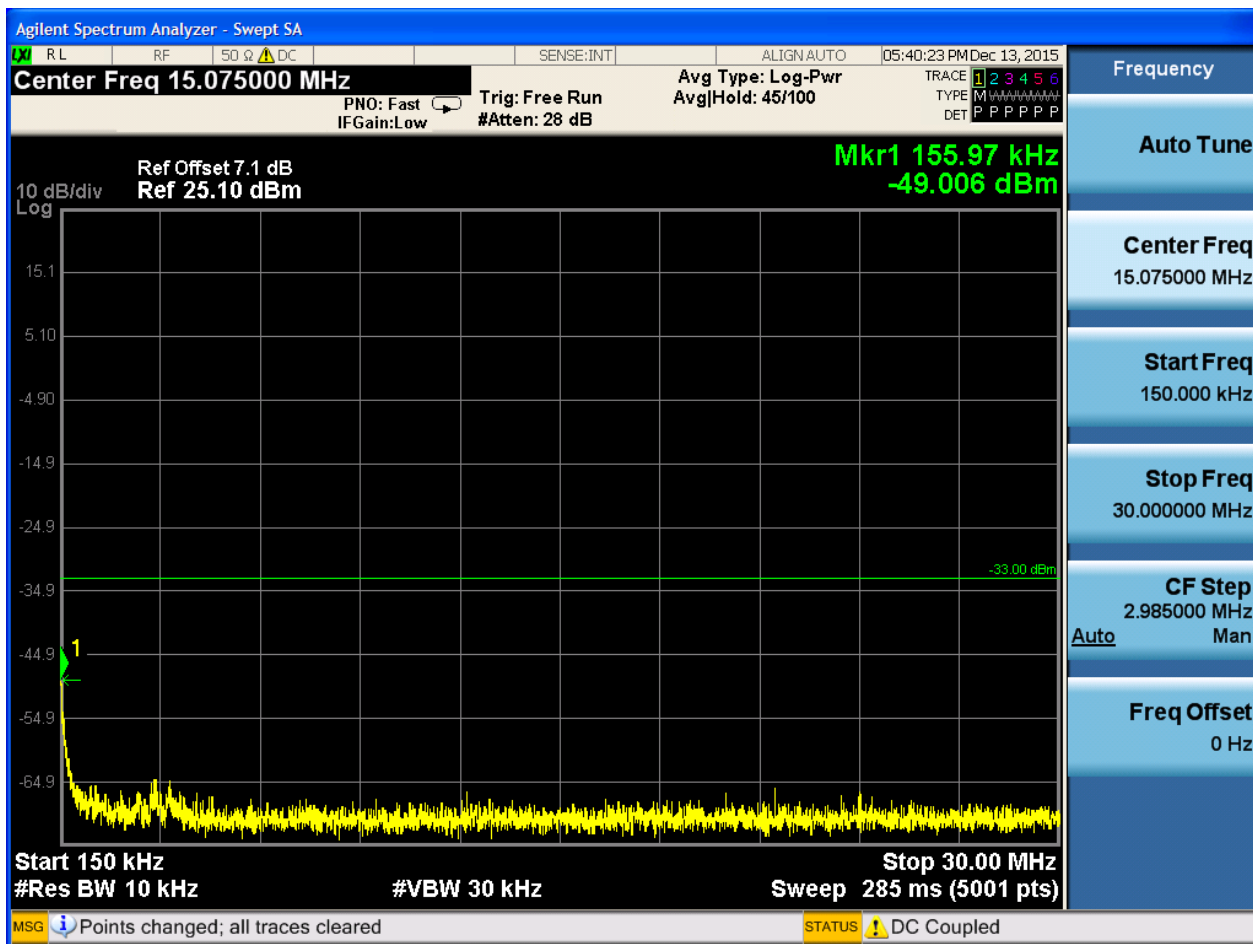


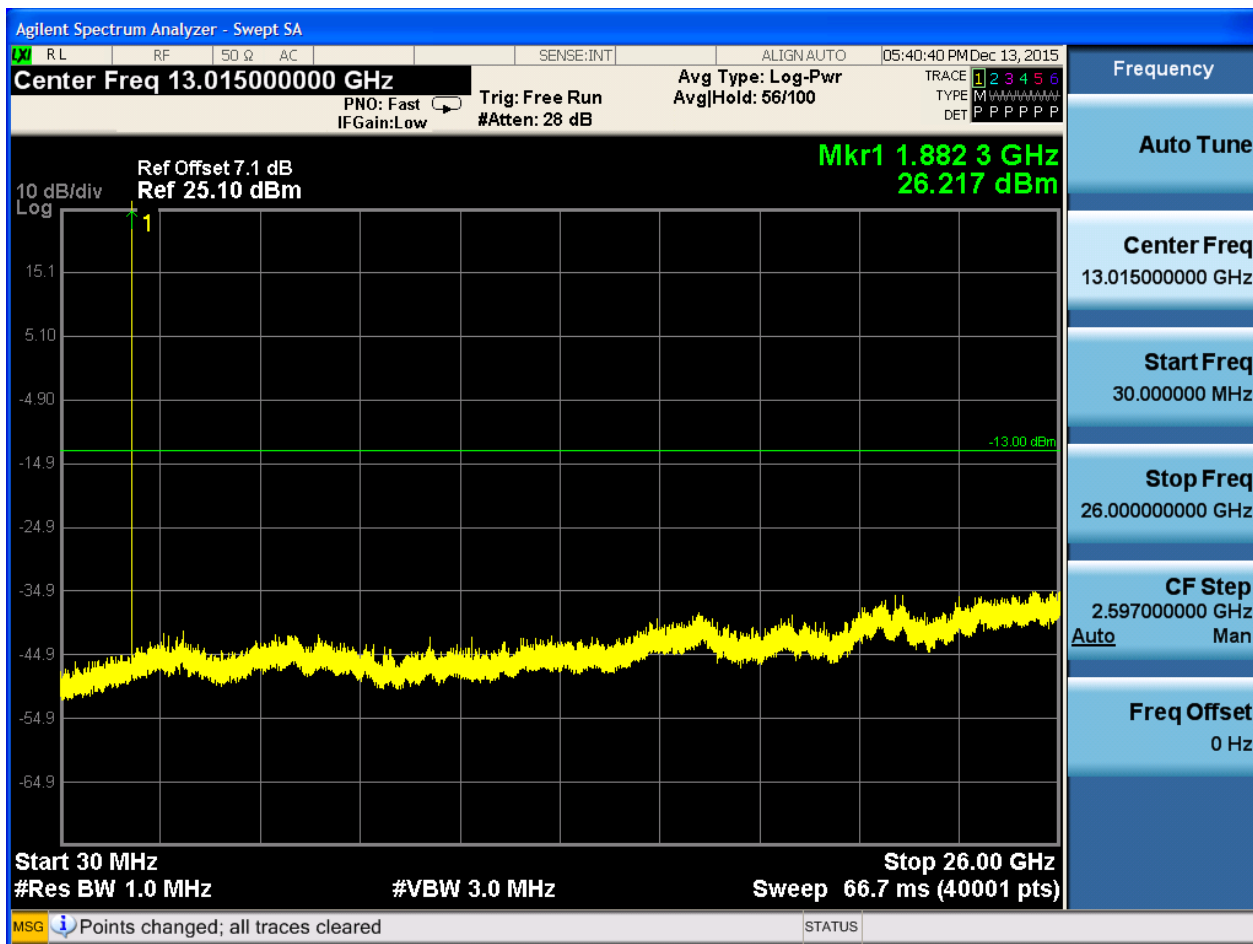


## 6.1.1.1.1.2 Test Channel = MCH

## 6.1.1.1.1.2.1 Test RB = RB1#0



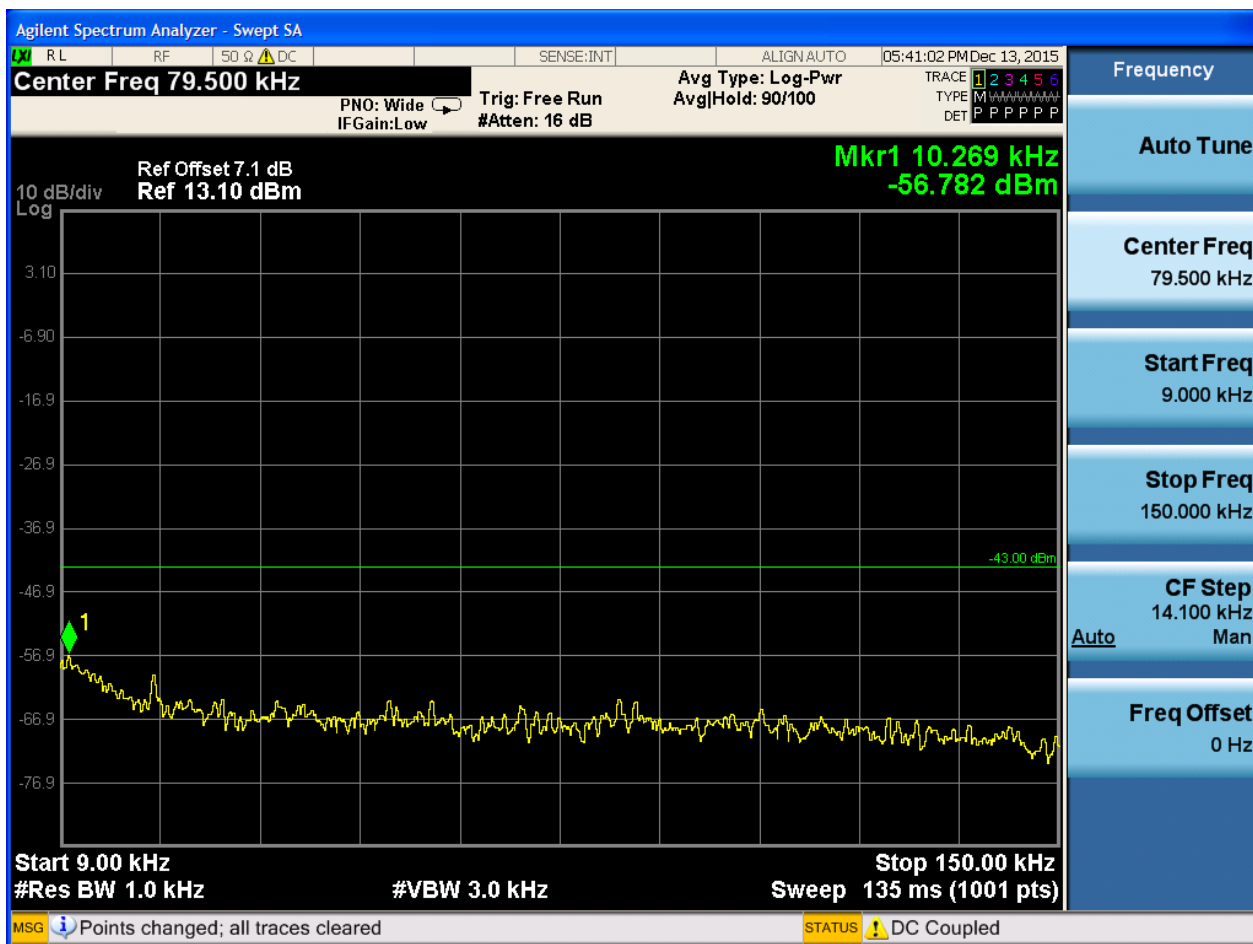


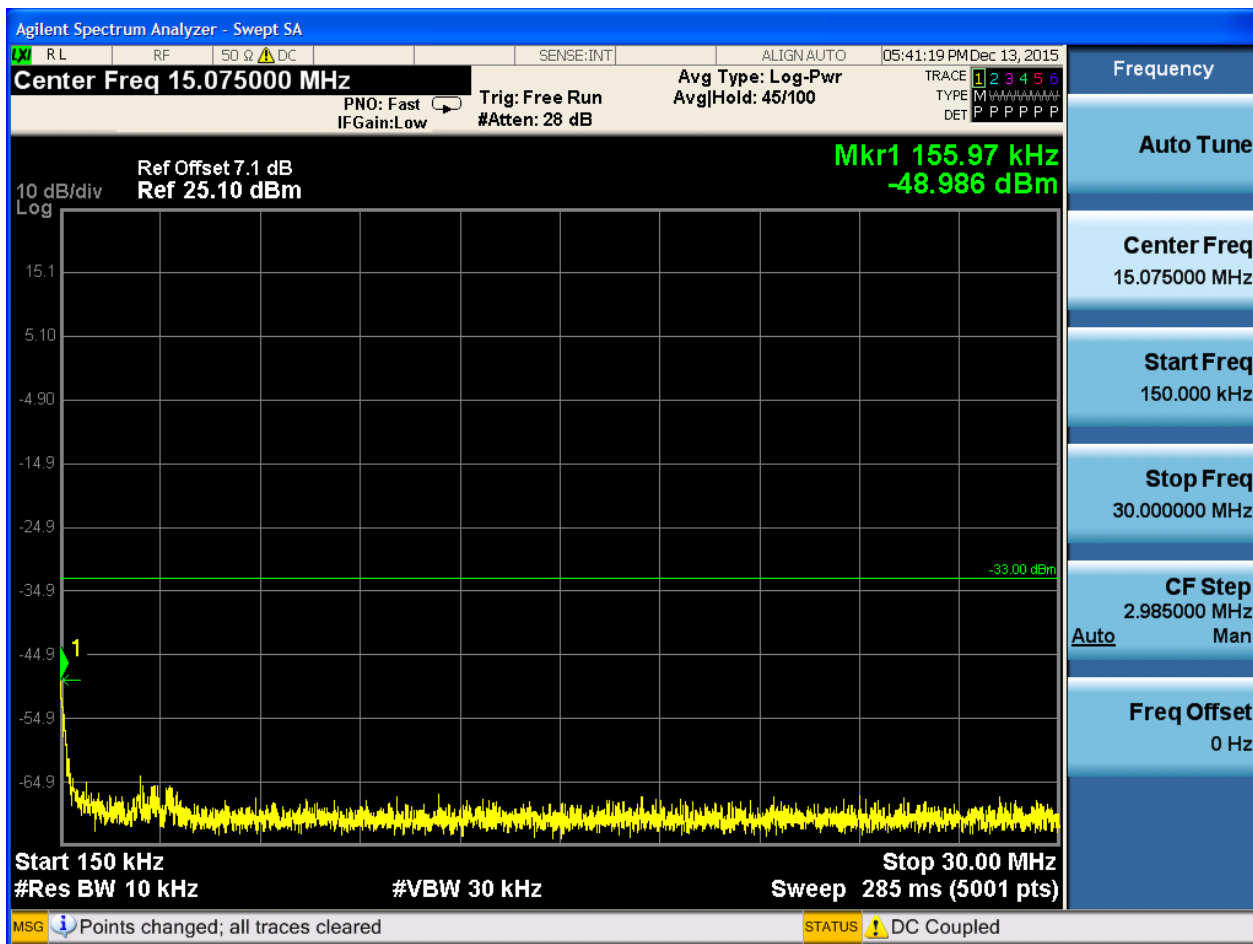


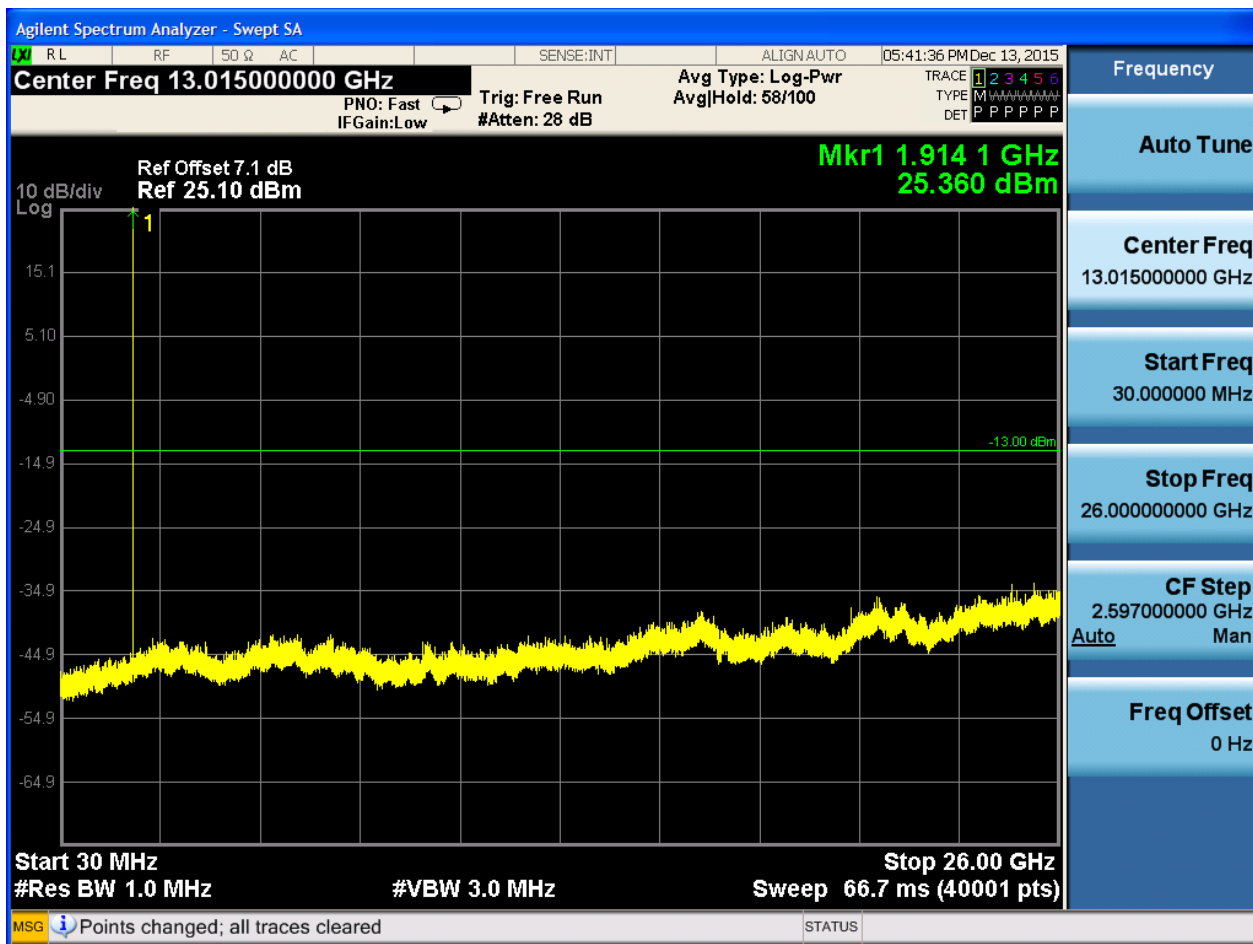


## 6.1.1.1.1.3 Test Channel = HCH

## 6.1.1.1.1.3.1 Test RB = RB1#0





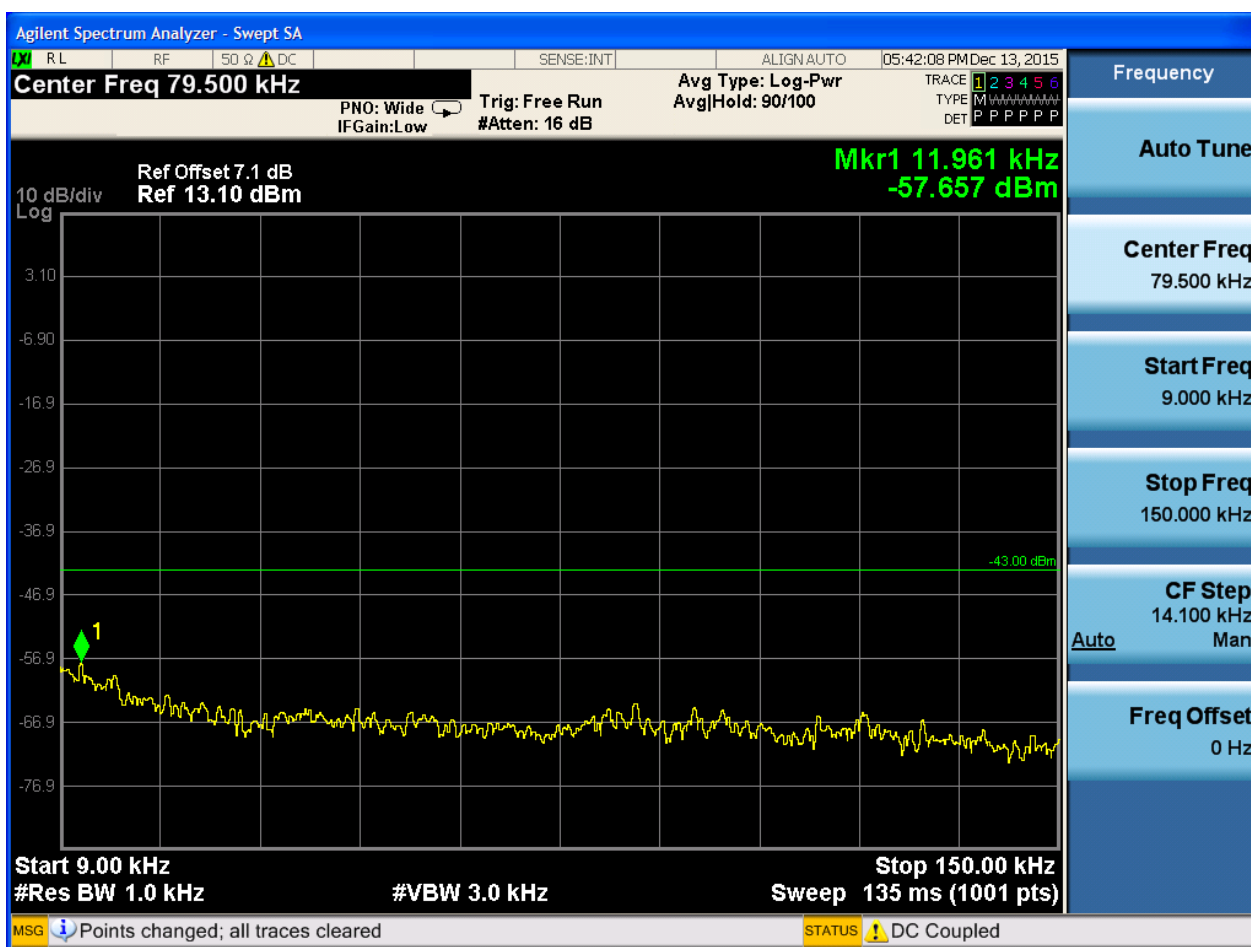


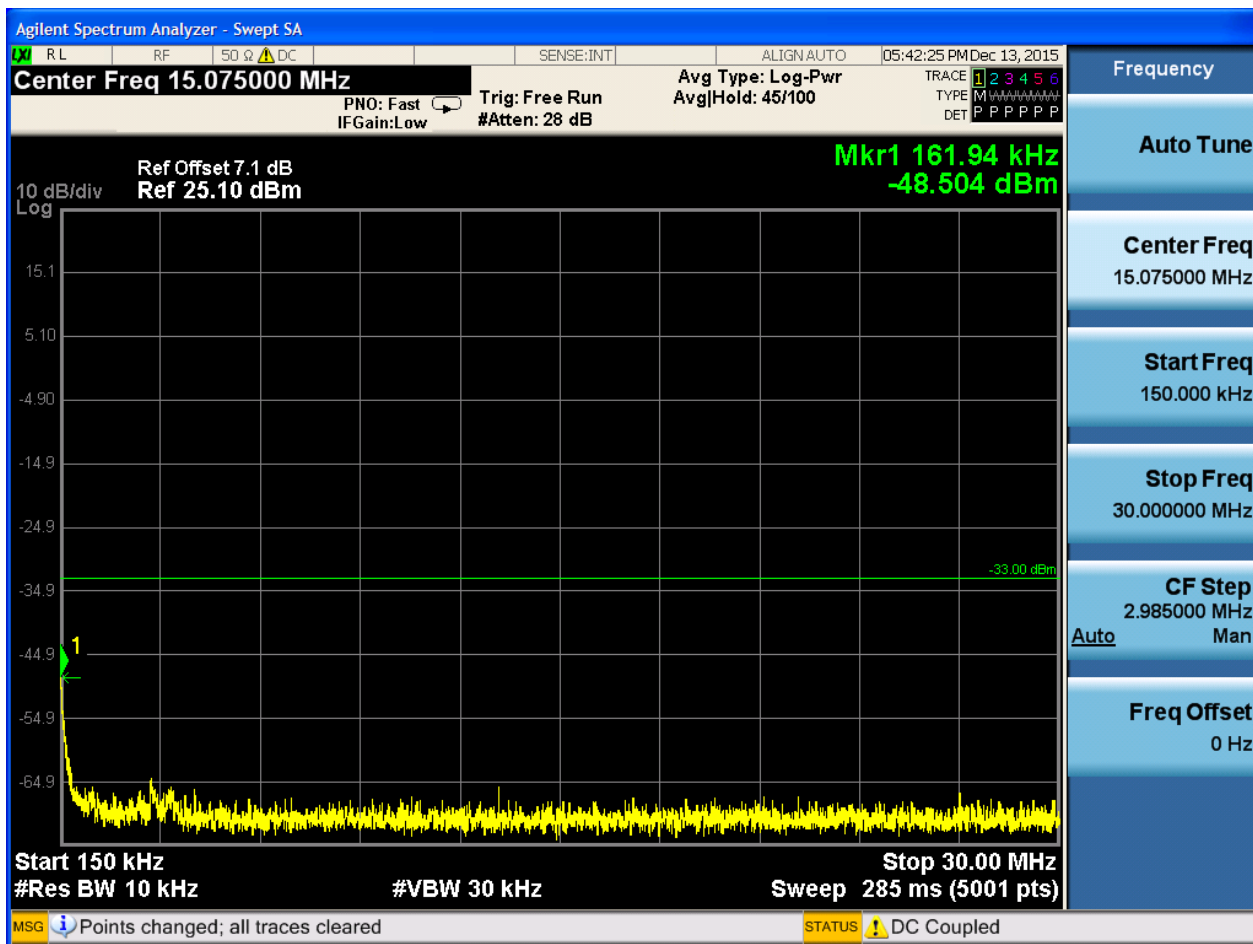


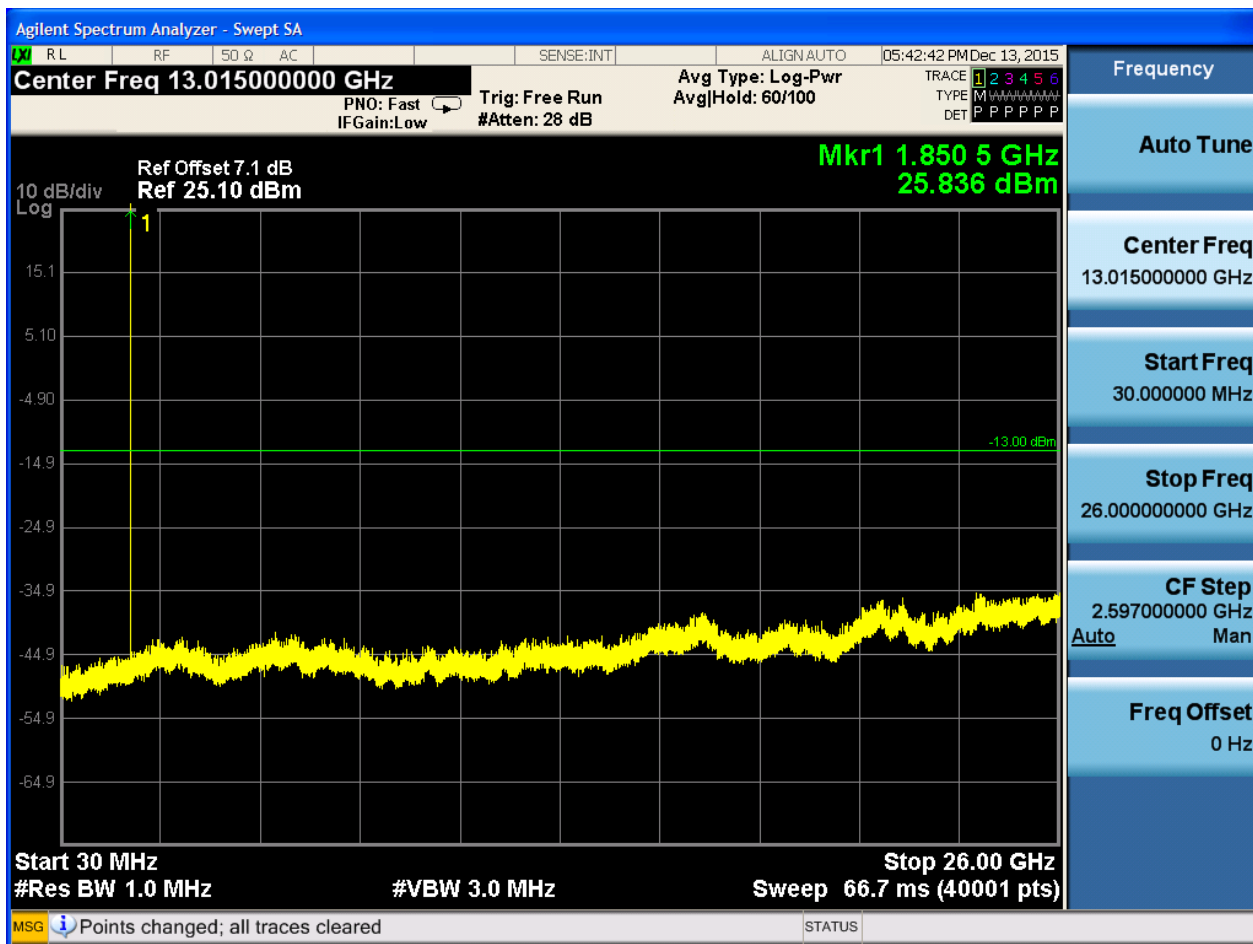
## 6.1.1.1.2 Test Bandwidth = 3

## 6.1.1.1.2.1 Test Channel = LCH

## 6.1.1.1.2.1.1 Test RB = RB1#0



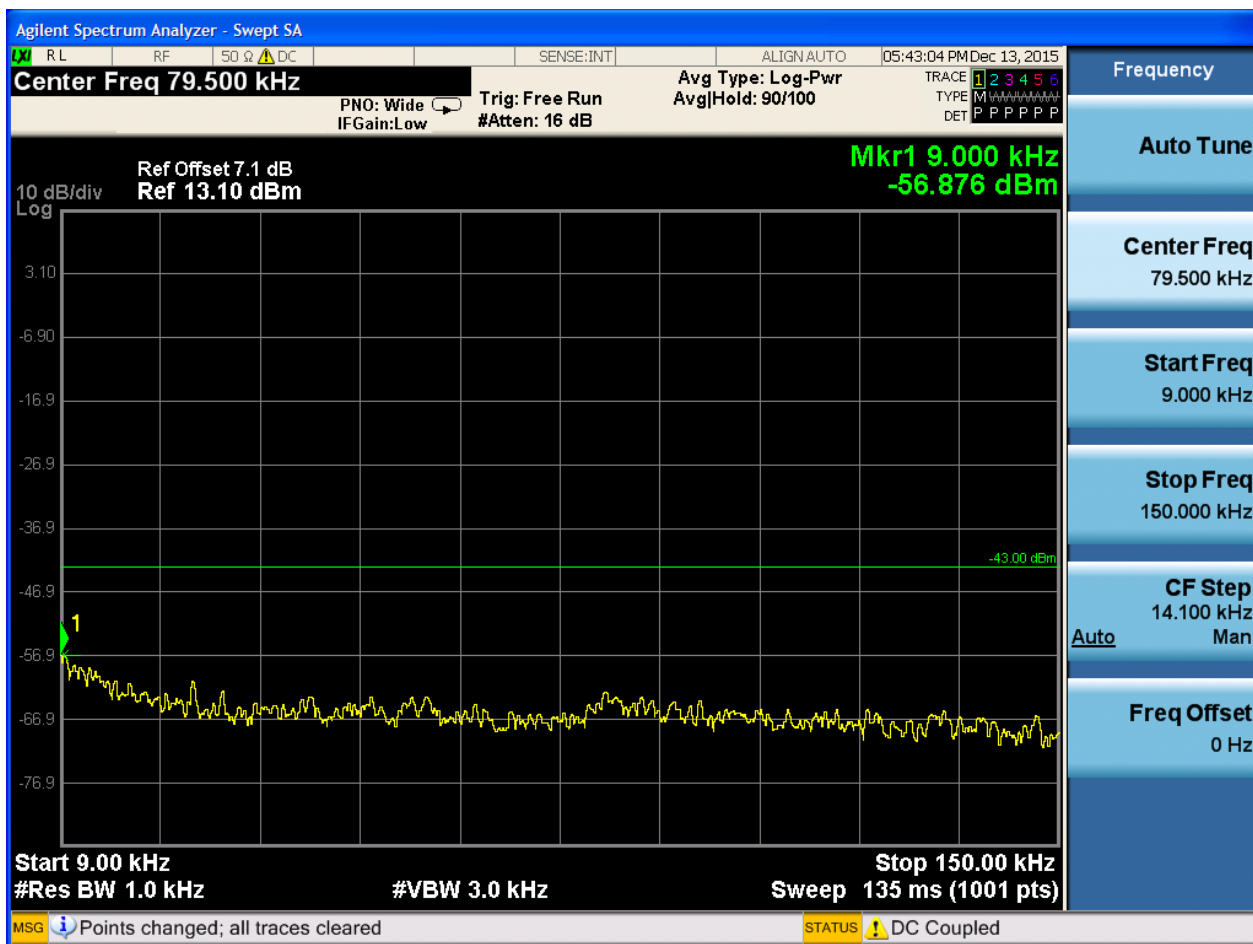


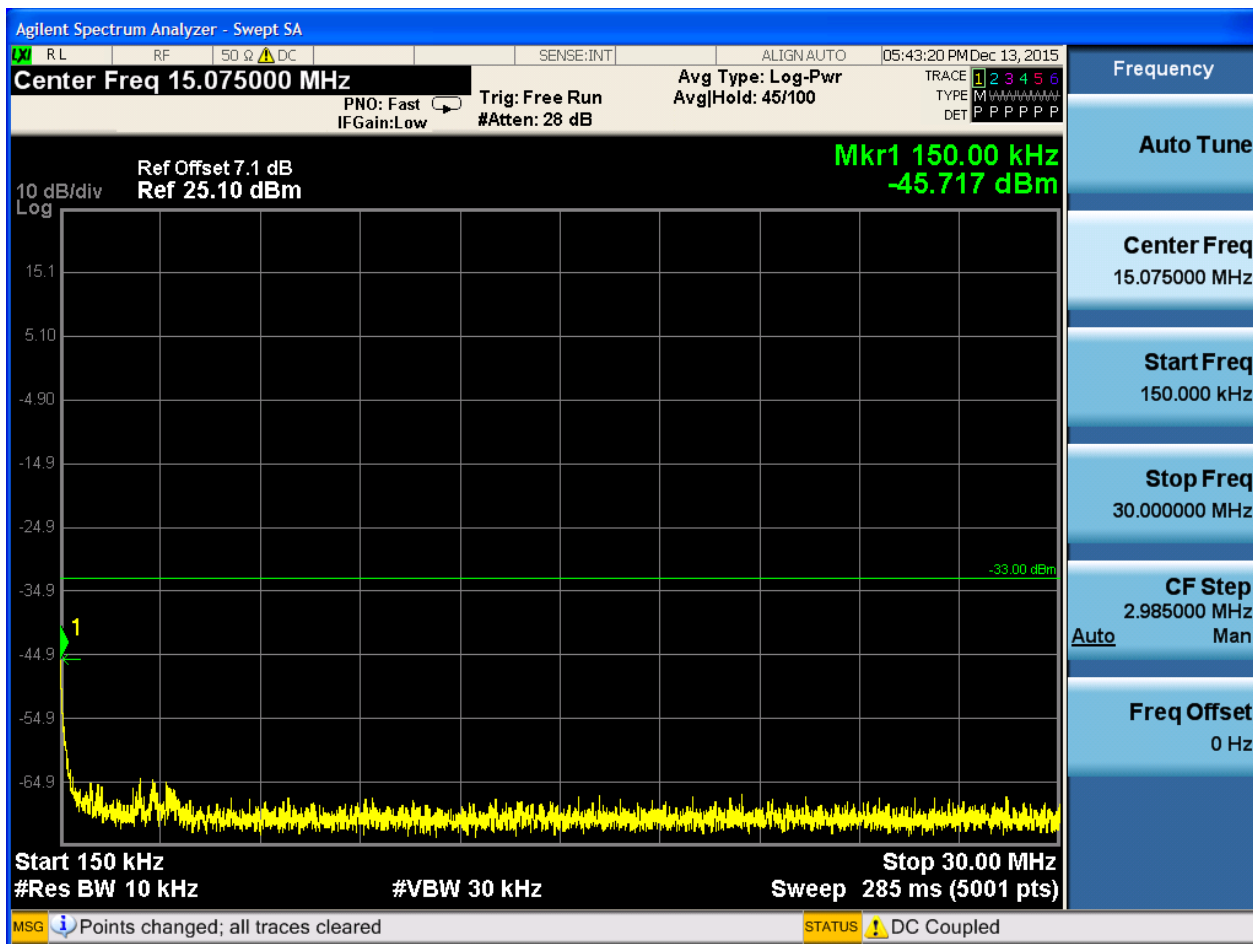


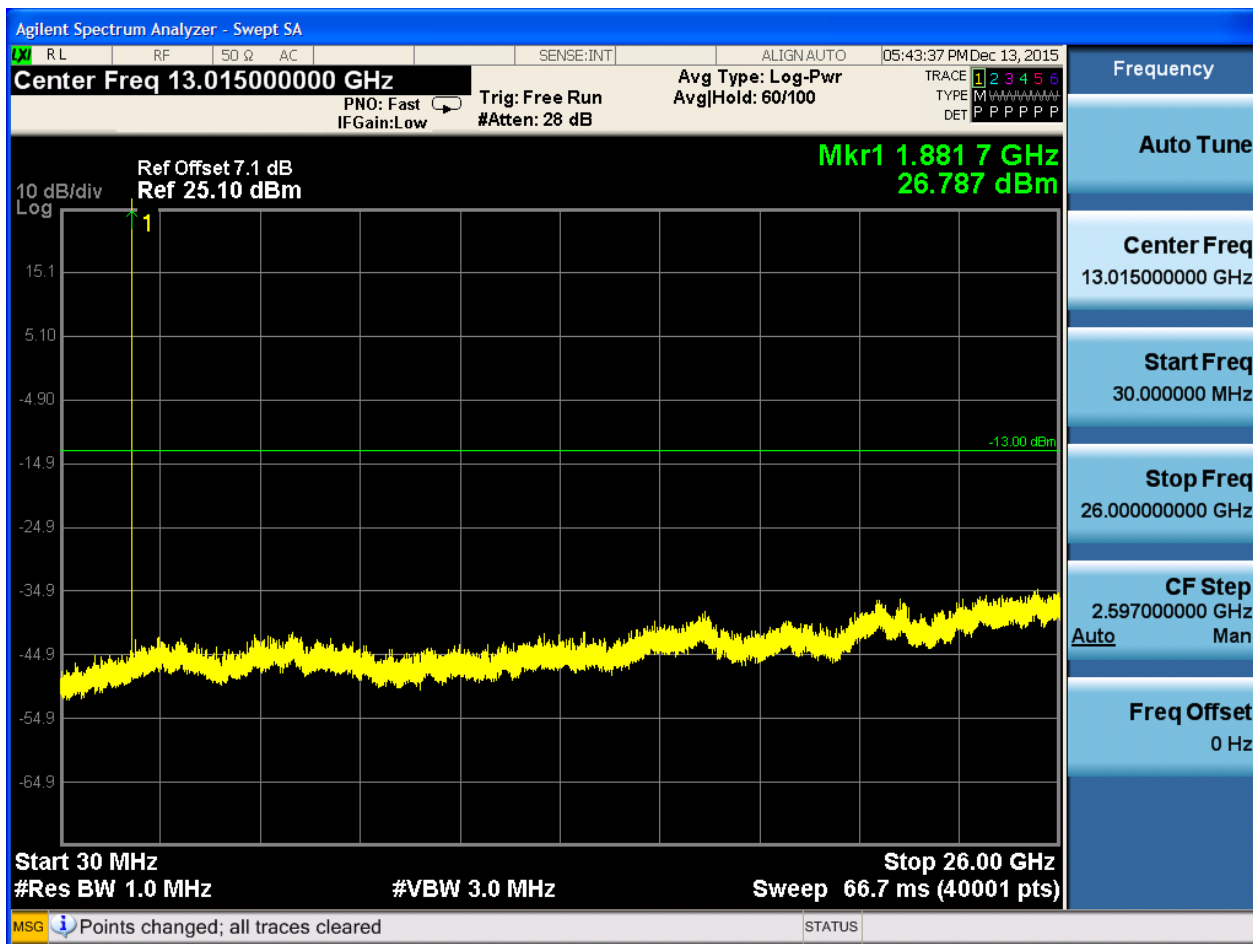


## 6.1.1.1.2.2 Test Channel = MCH

## 6.1.1.1.2.2.1 Test RB = RB1#0



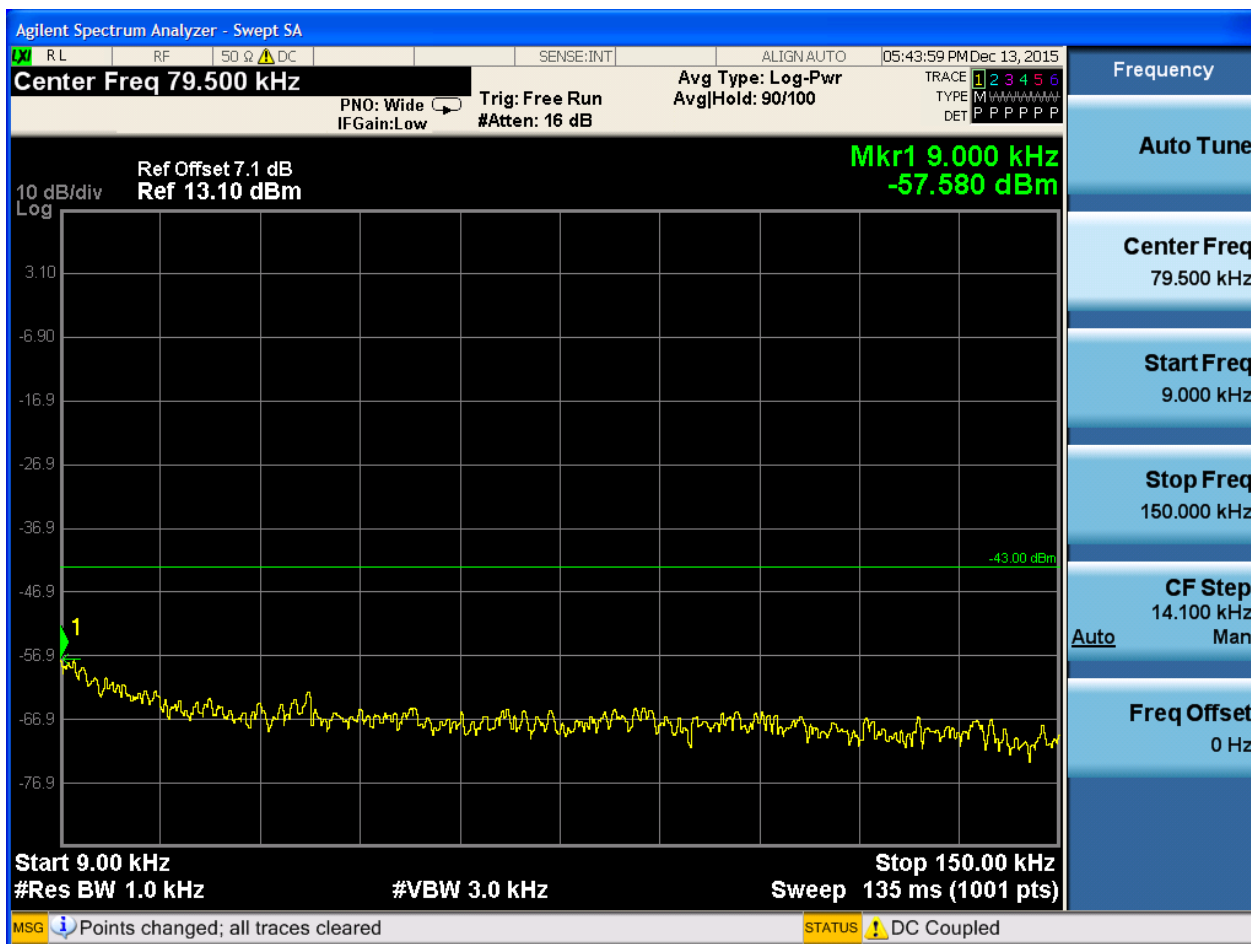


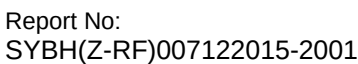


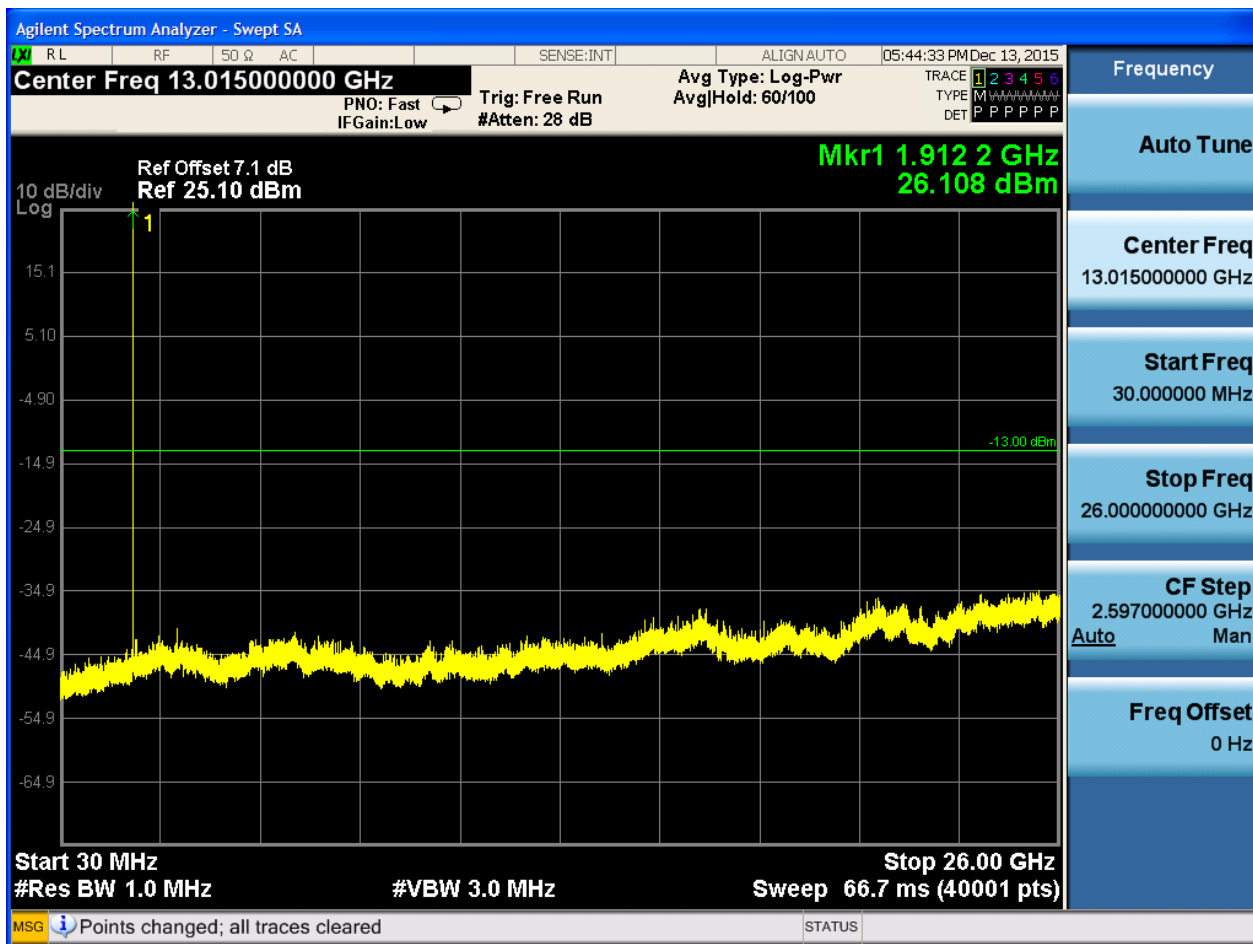


## 6.1.1.1.2.3 Test Channel = HCH

## 6.1.1.1.2.3.1 Test RB = RB1#0





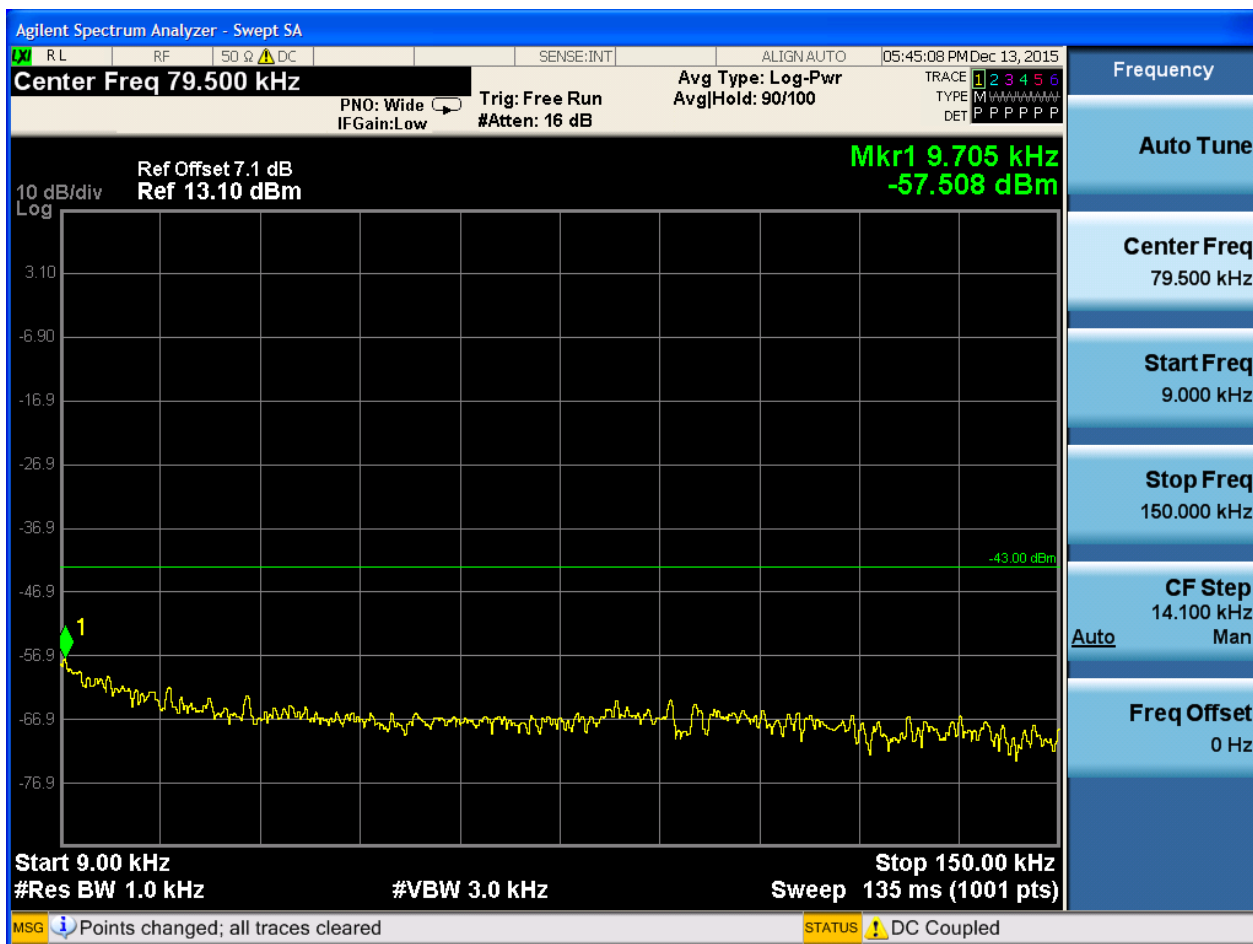


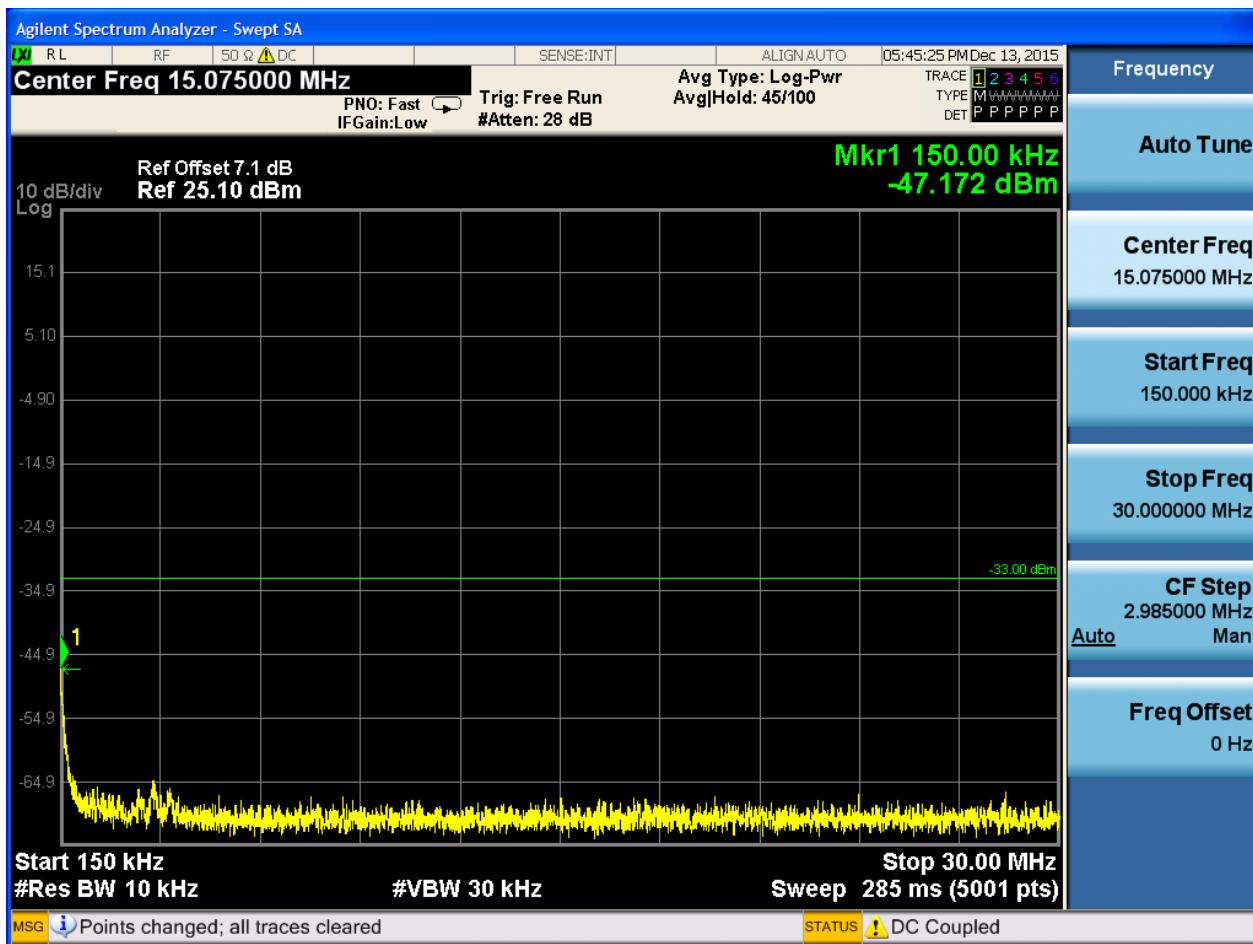


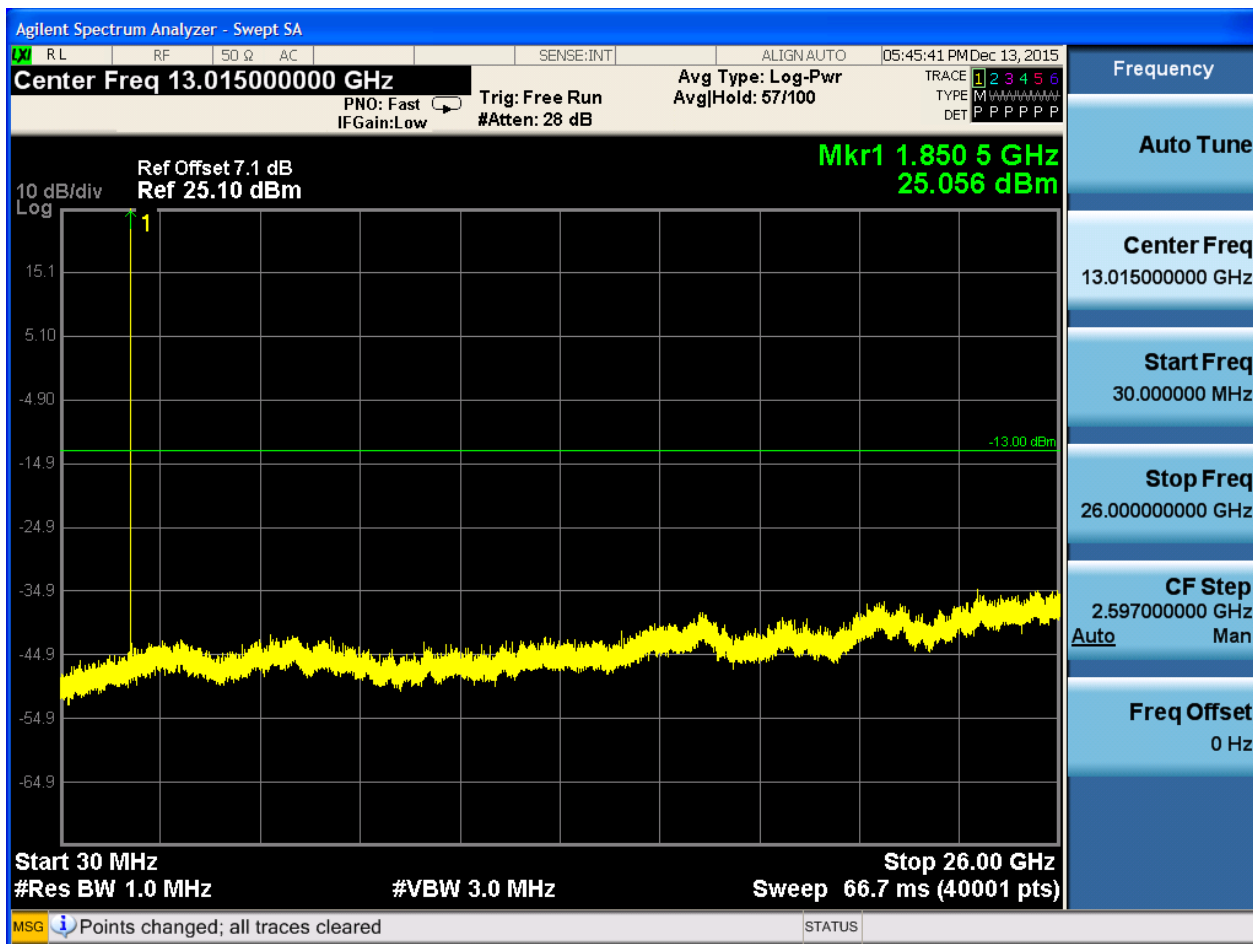
## 6.1.1.1.3 Test Bandwidth = 5

## 6.1.1.1.3.1 Test Channel = LCH

## 6.1.1.1.3.1.1 Test RB = RB1#0

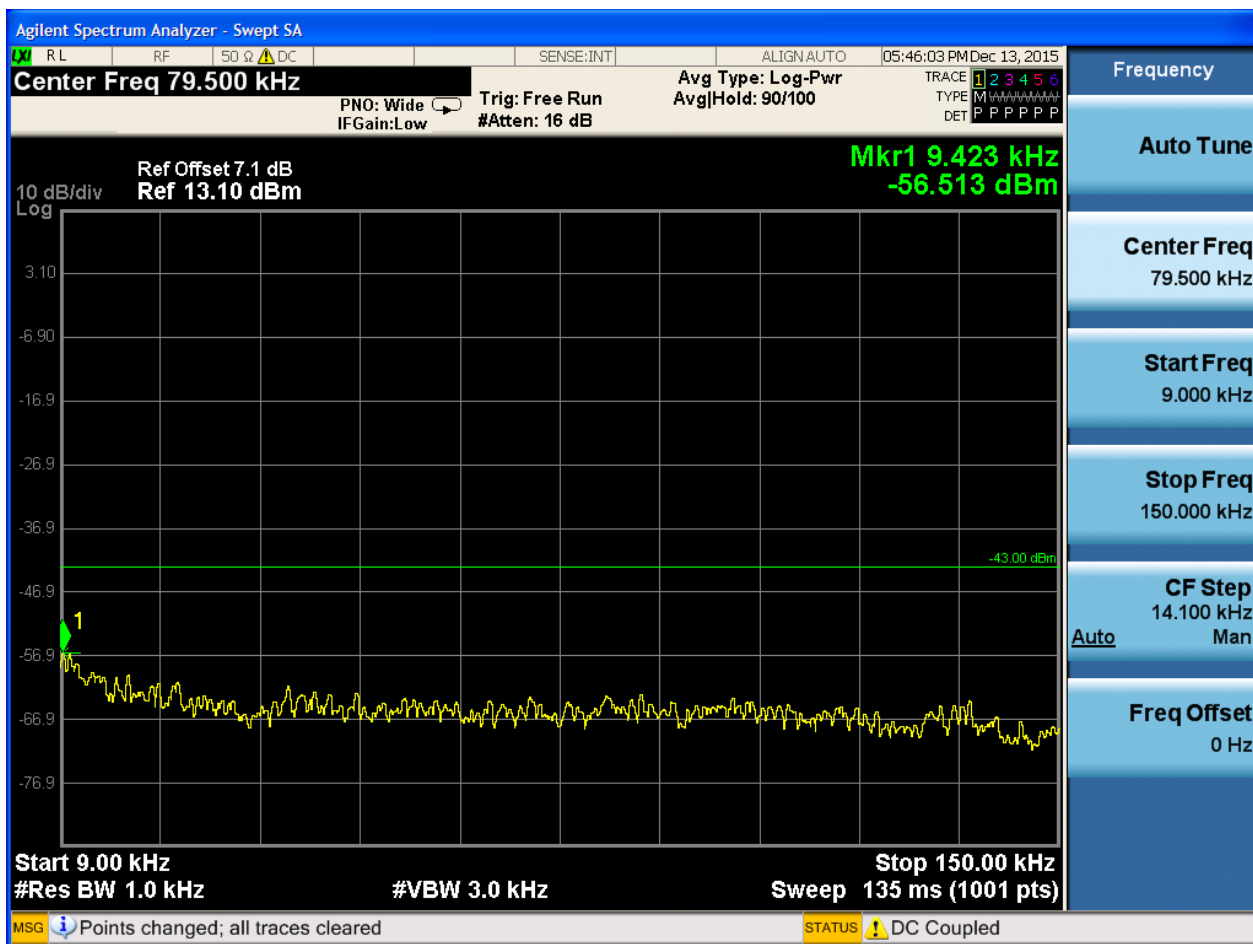


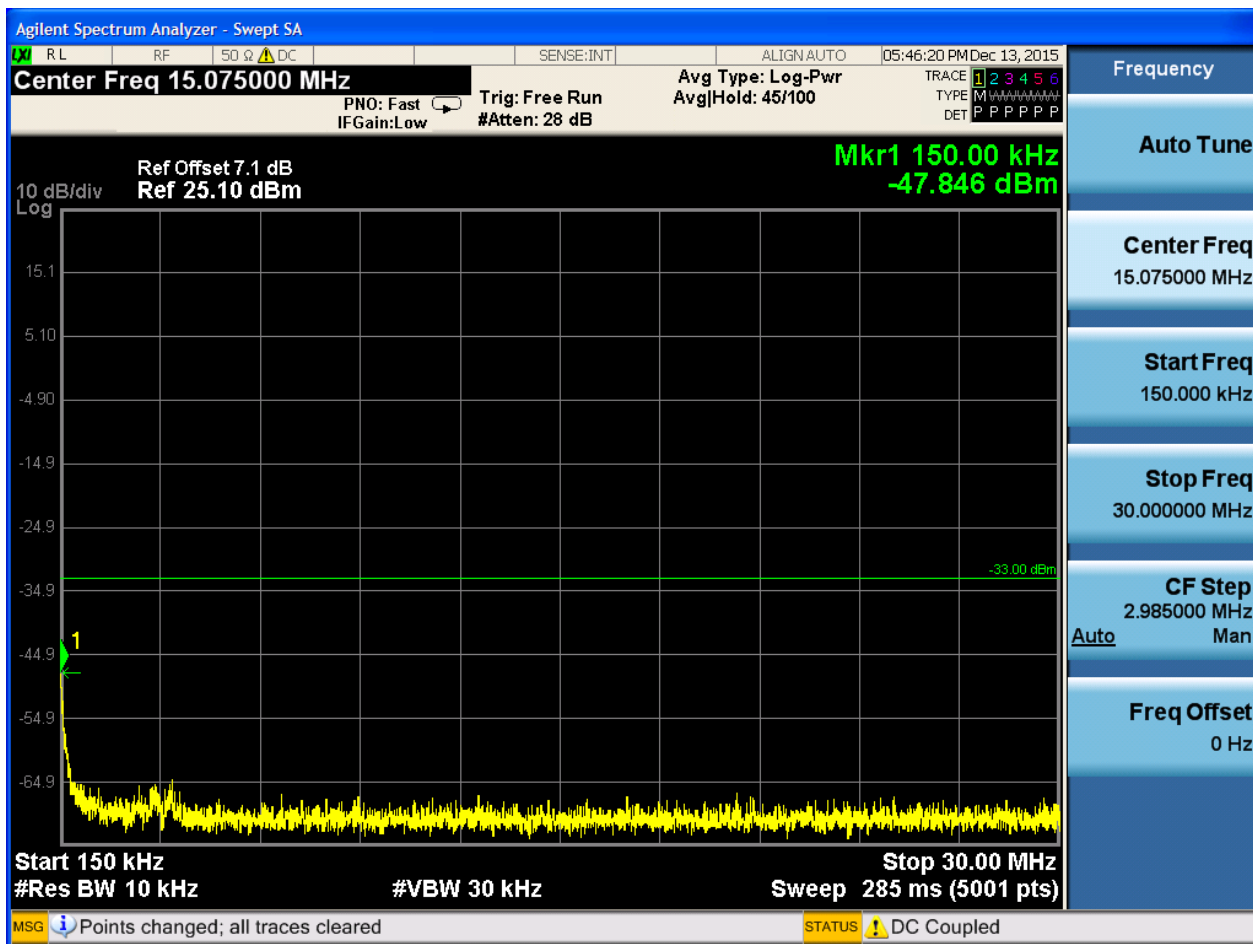


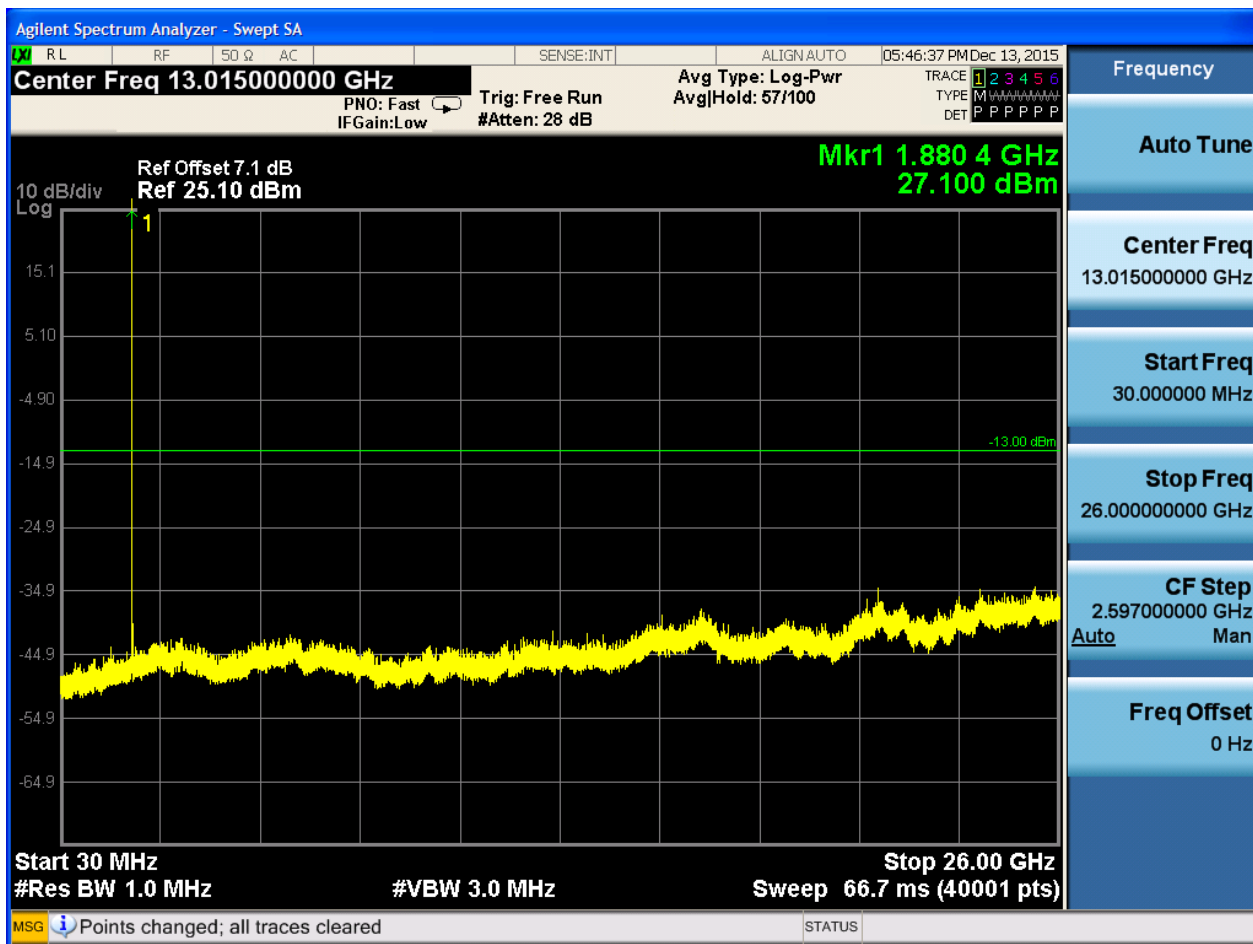


### 6.1.1.1.3.2 Test Channel = MCH

#### 6.1.1.1.3.2.1 Test RB = RB1#0



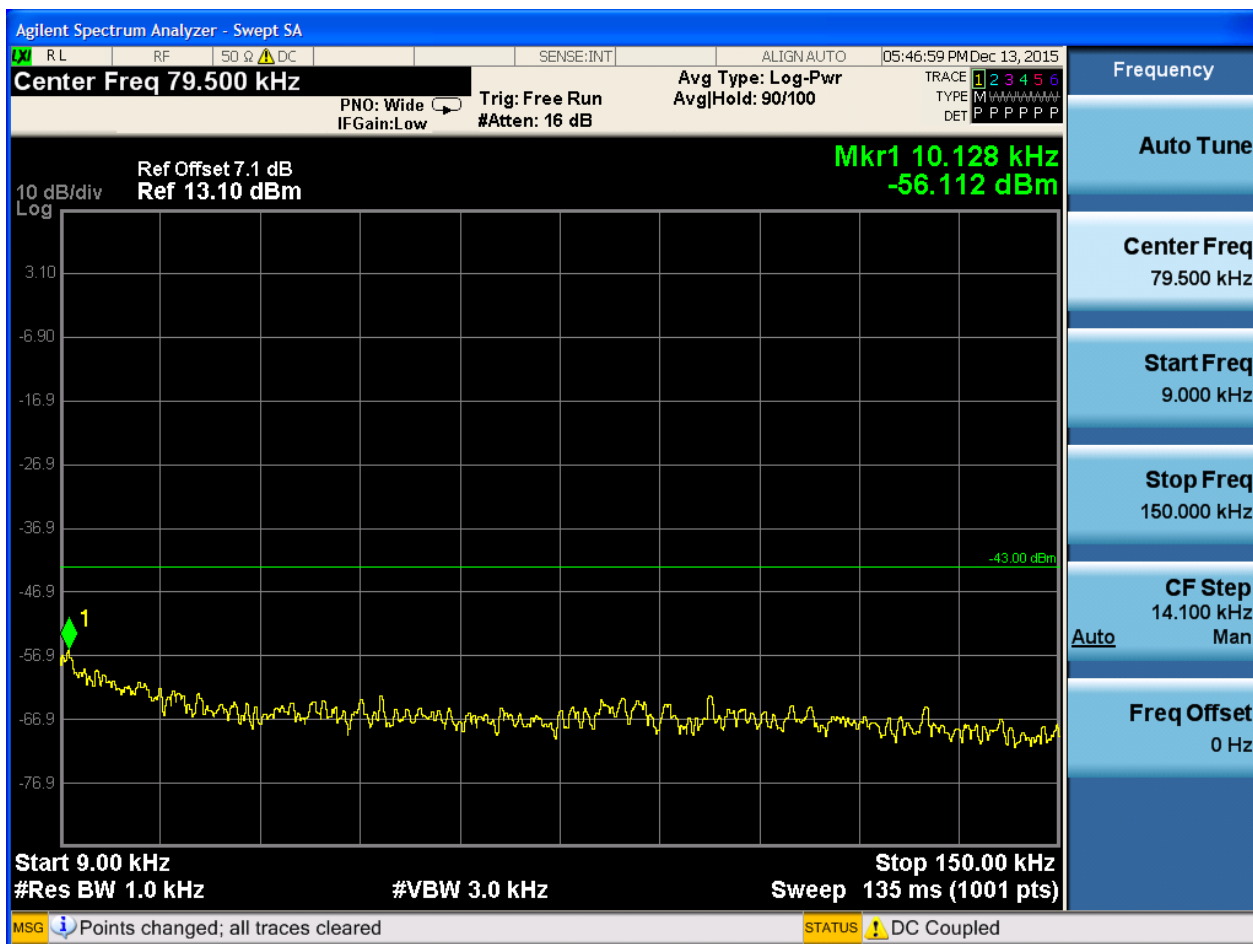


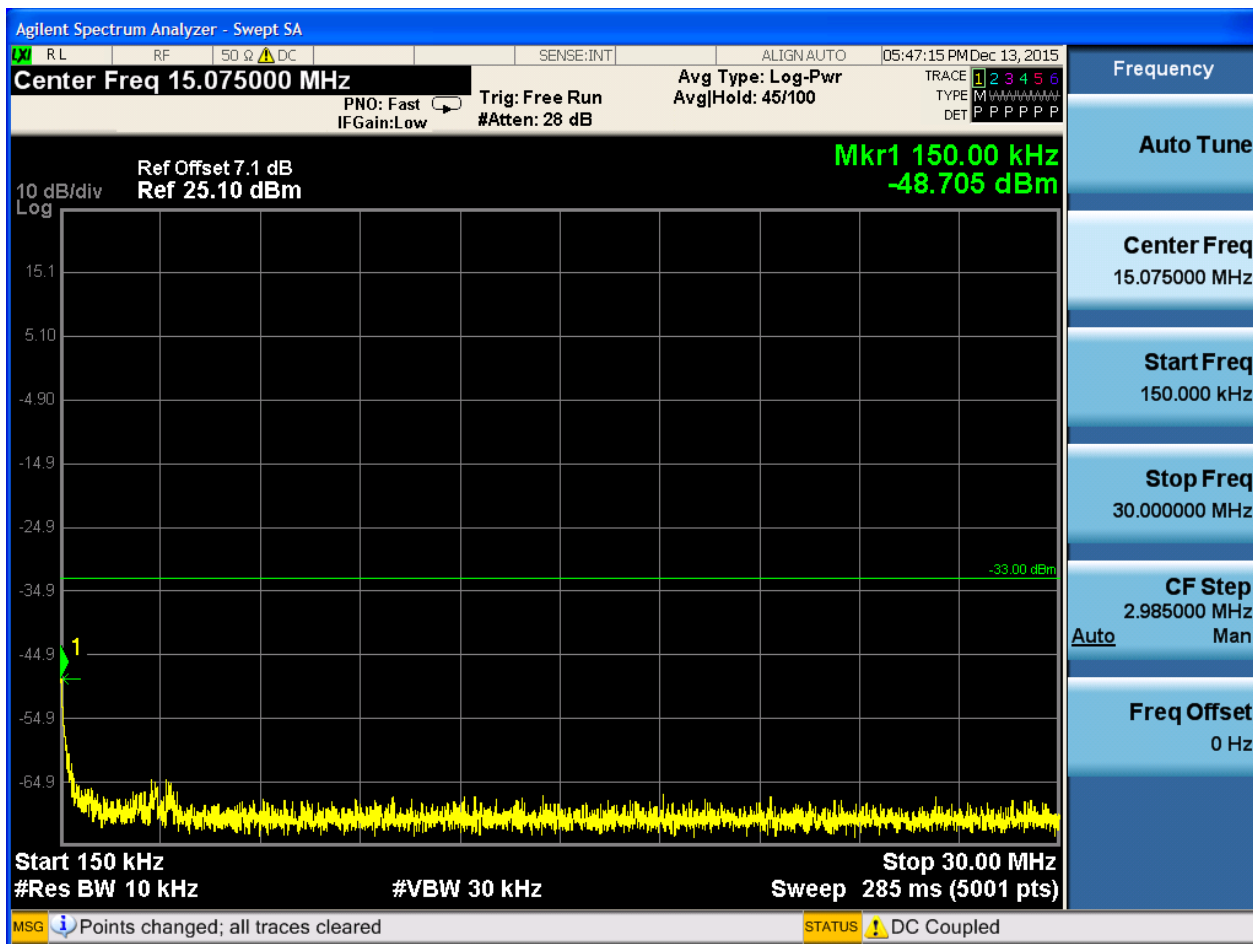


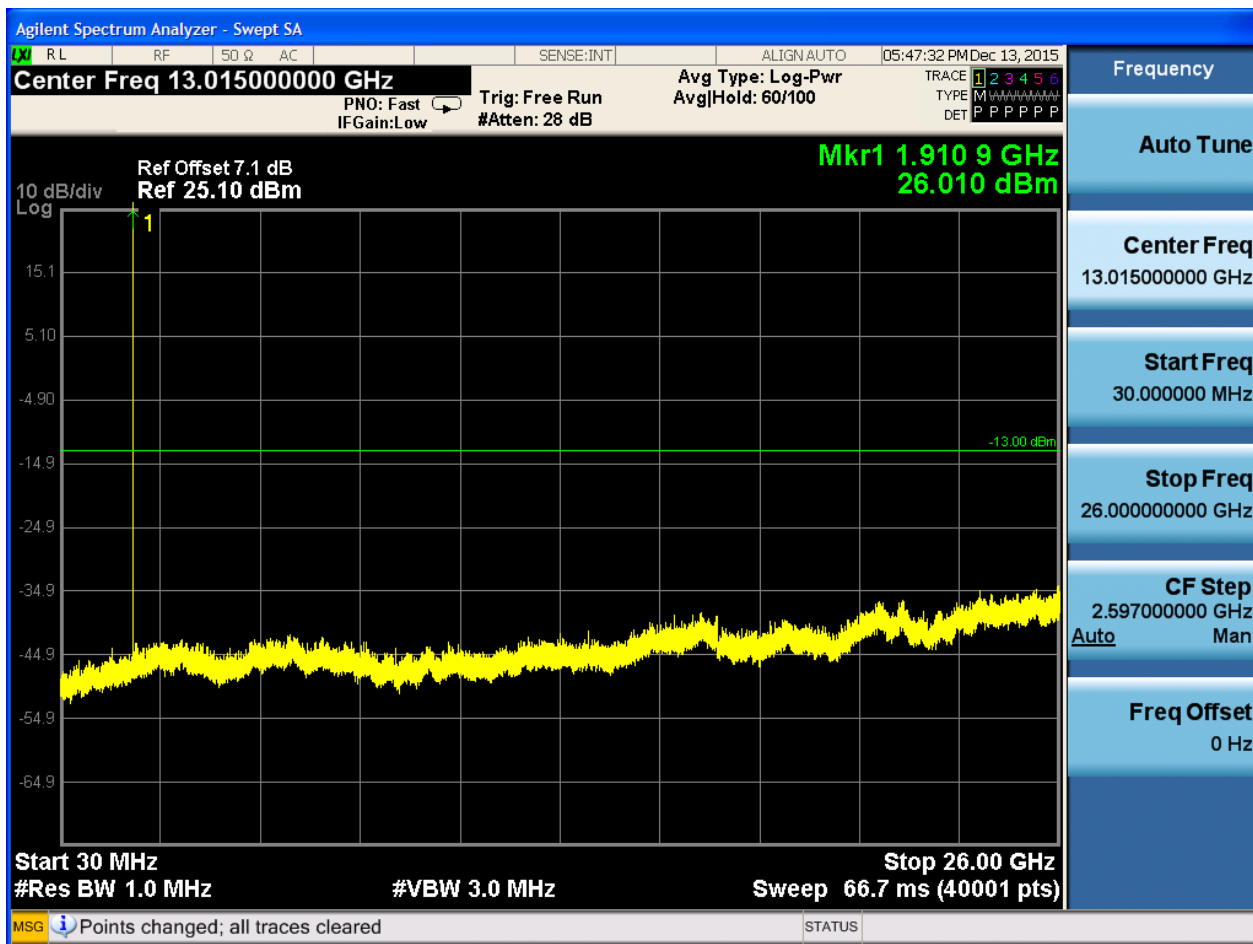


## 6.1.1.1.3.3 Test Channel = HCH

## 6.1.1.1.3.3.1 Test RB = RB1#0





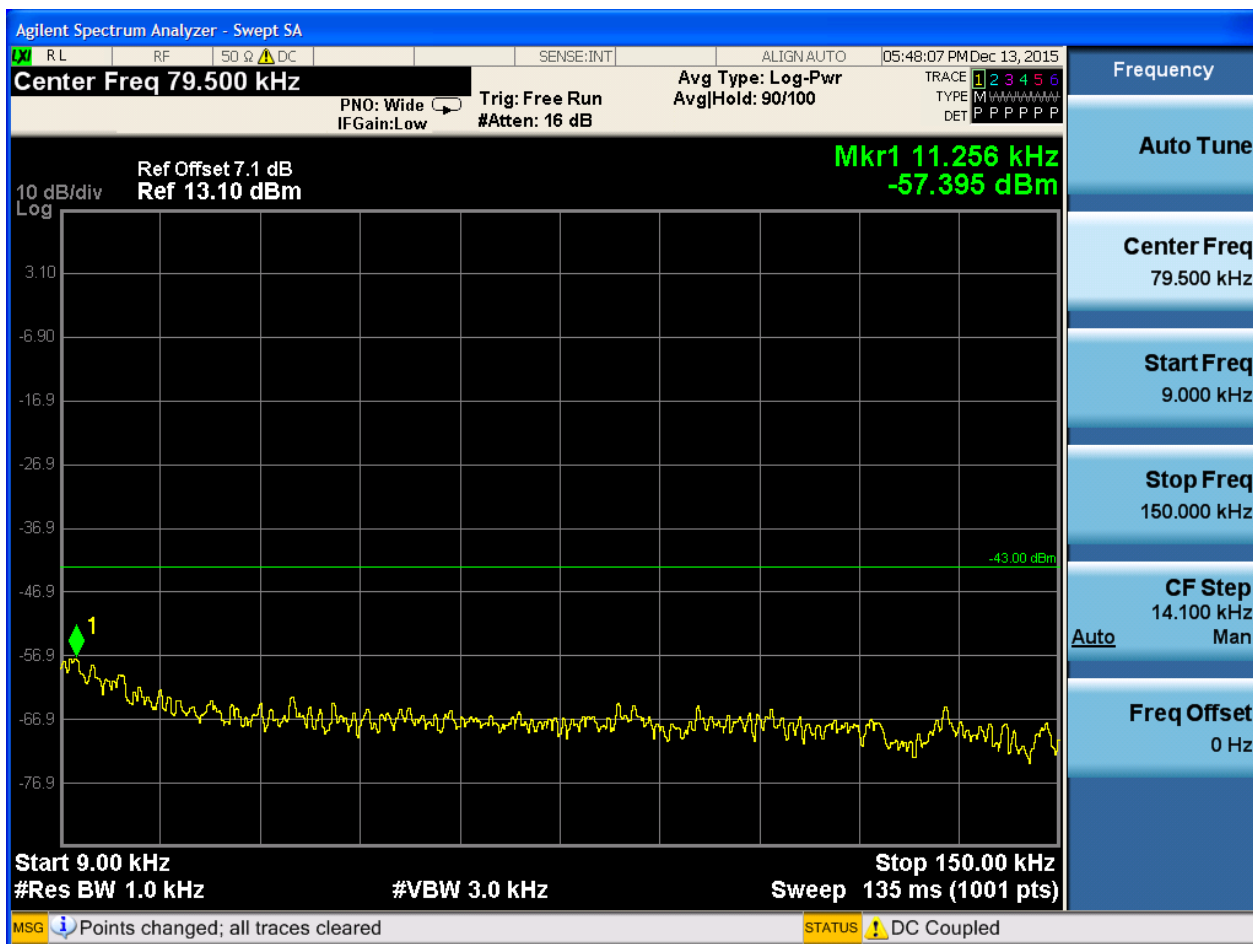


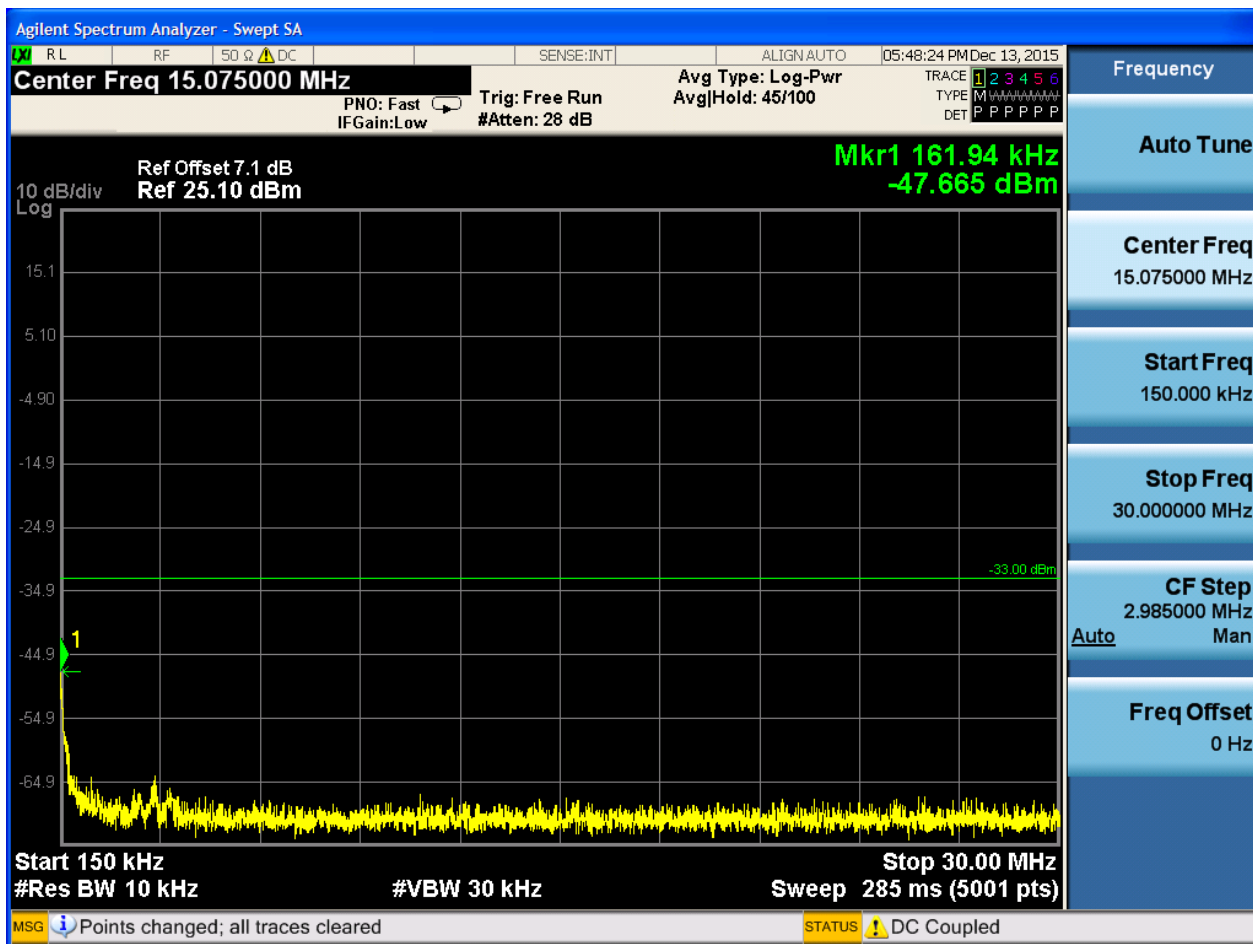


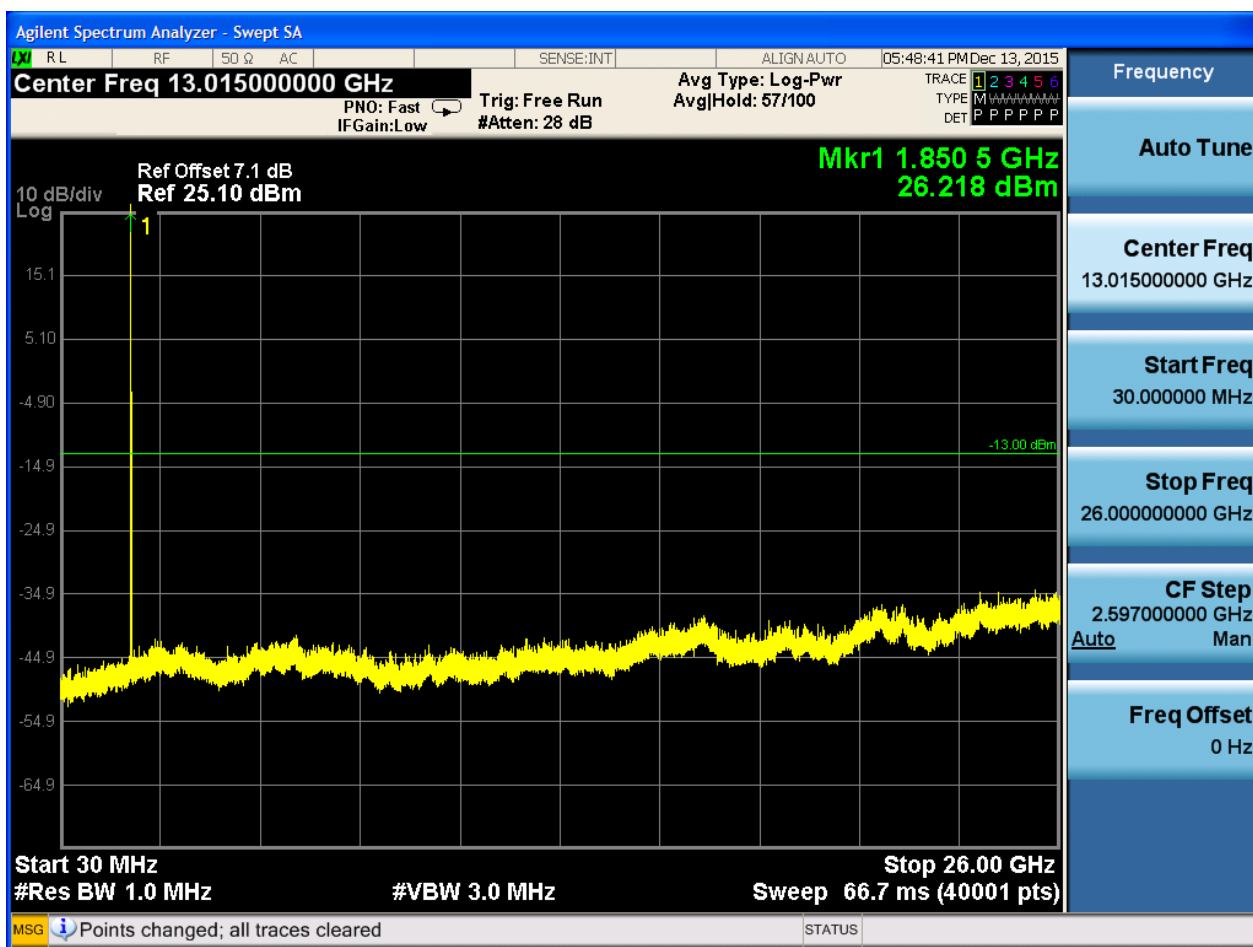
## 6.1.1.1.4 Test Bandwidth = 10

## 6.1.1.1.4.1 Test Channel = LCH

## 6.1.1.1.4.1.1 Test RB = RB1#0



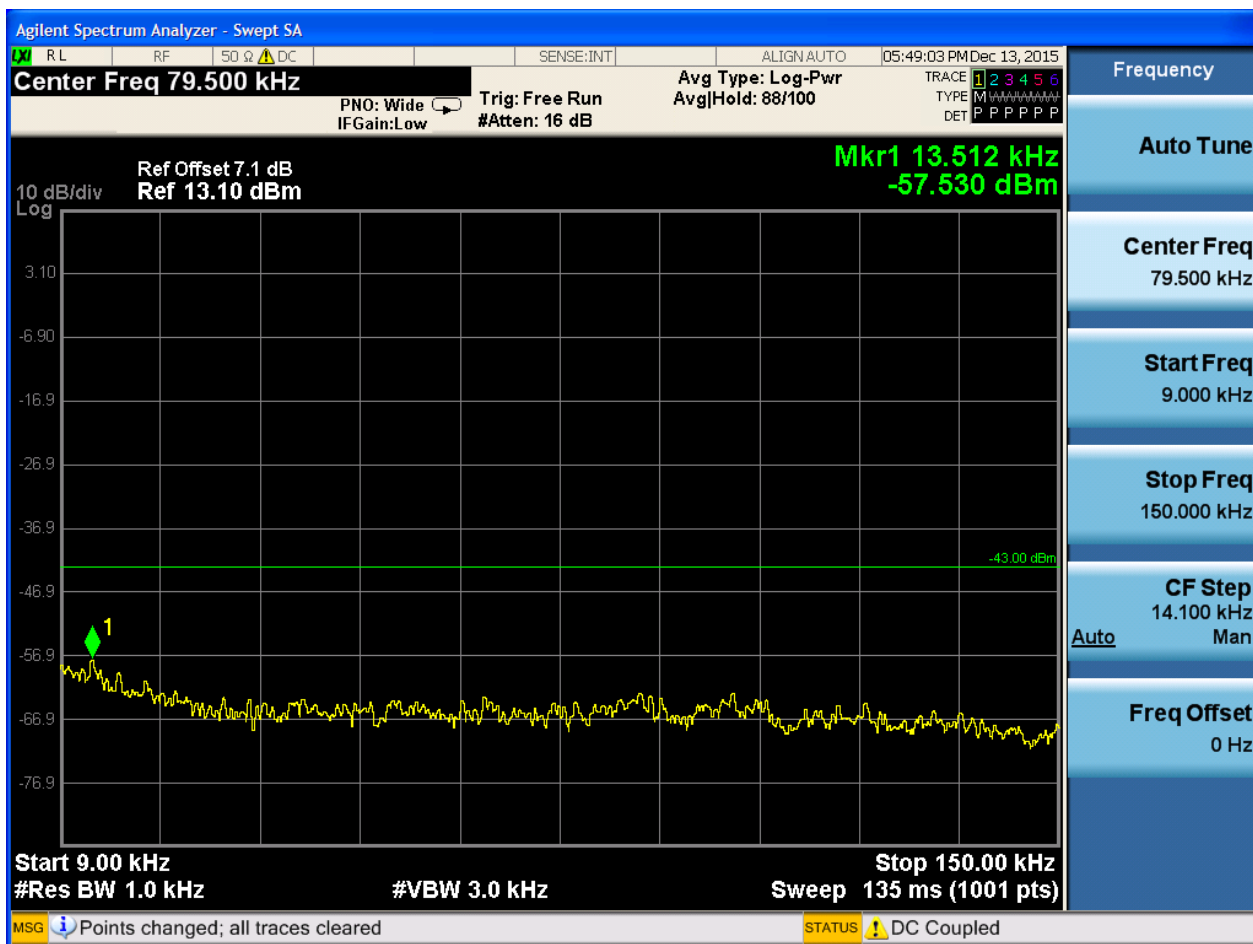


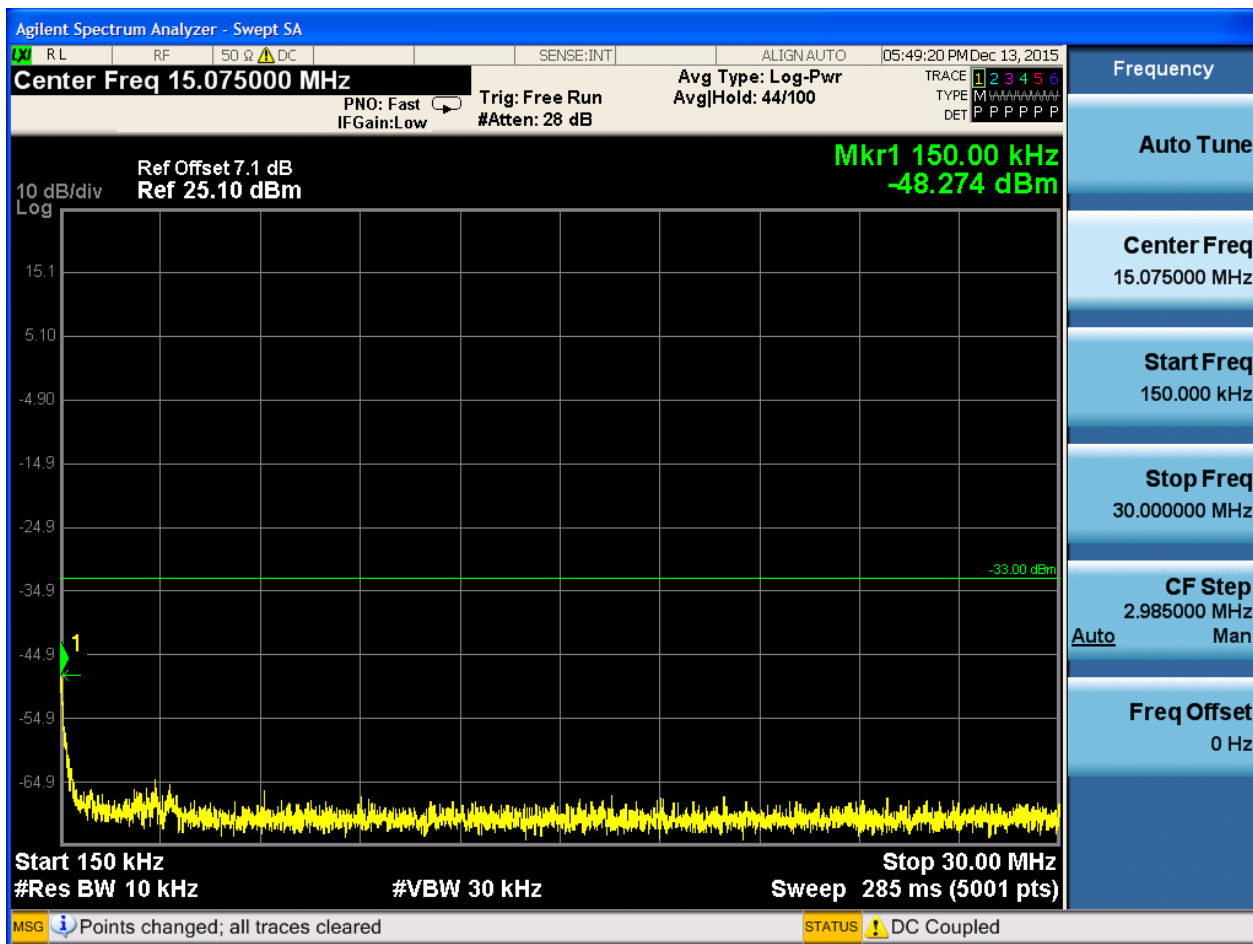


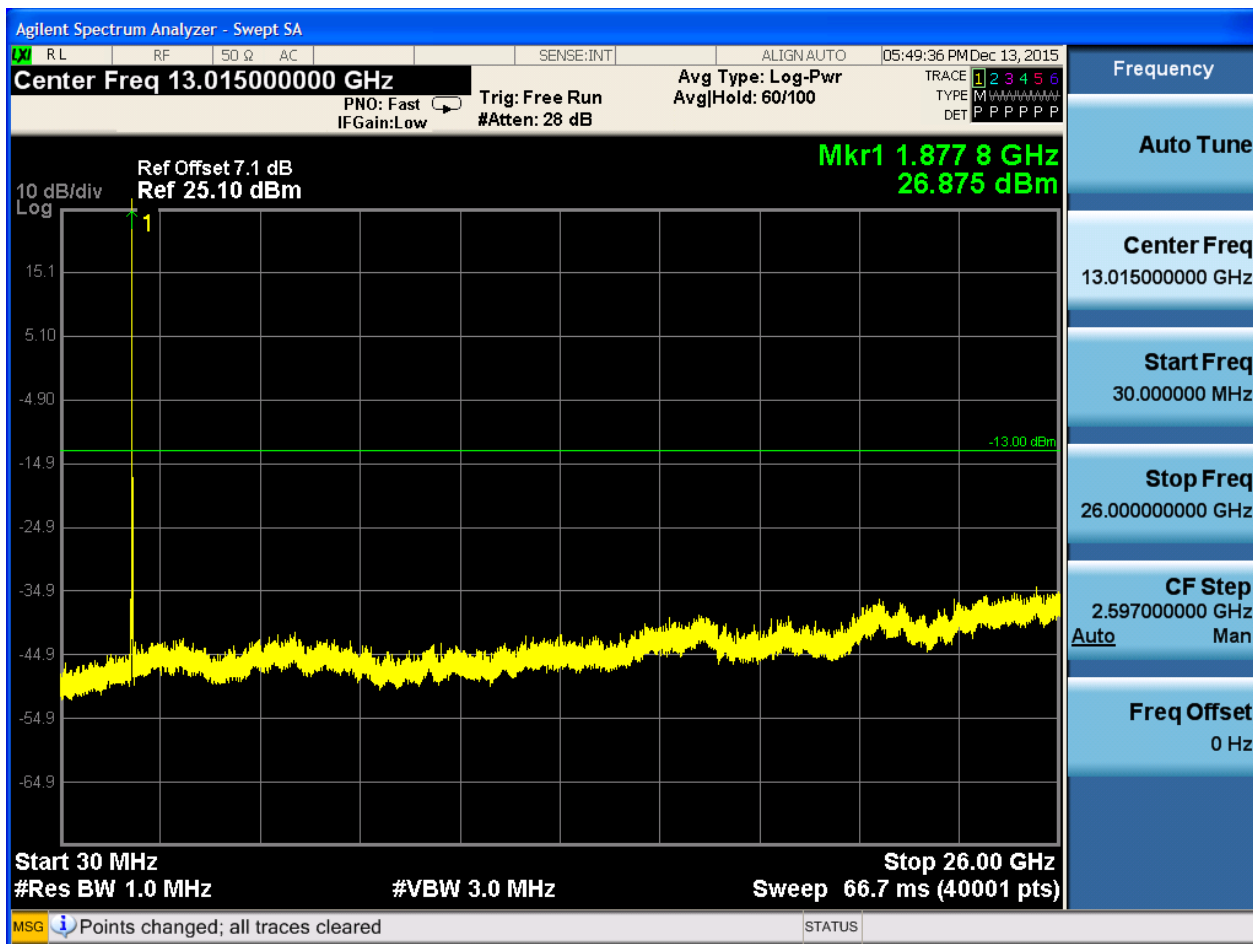


## 6.1.1.1.4.2 Test Channel = MCH

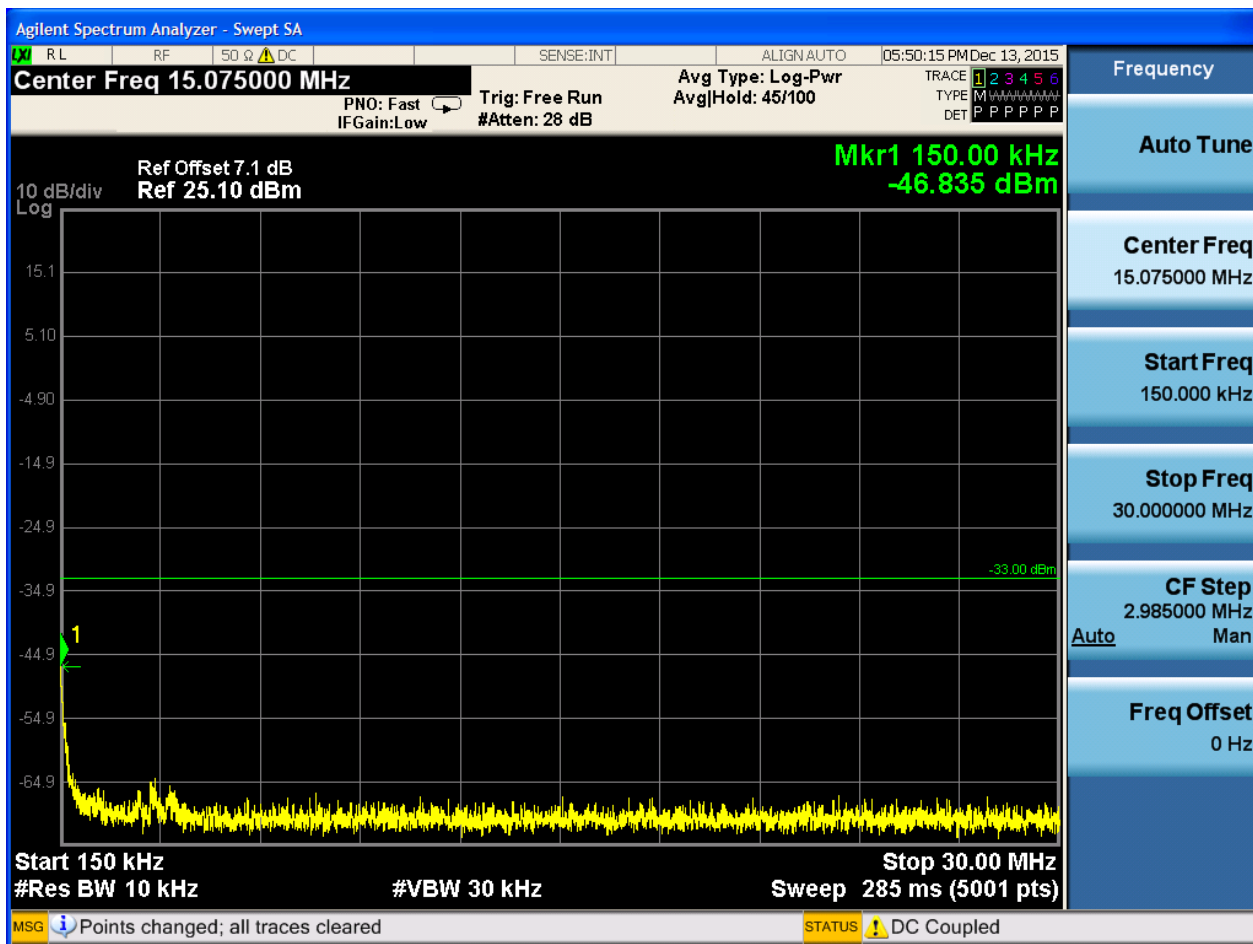
## 6.1.1.1.4.2.1 Test RB = RB1#0

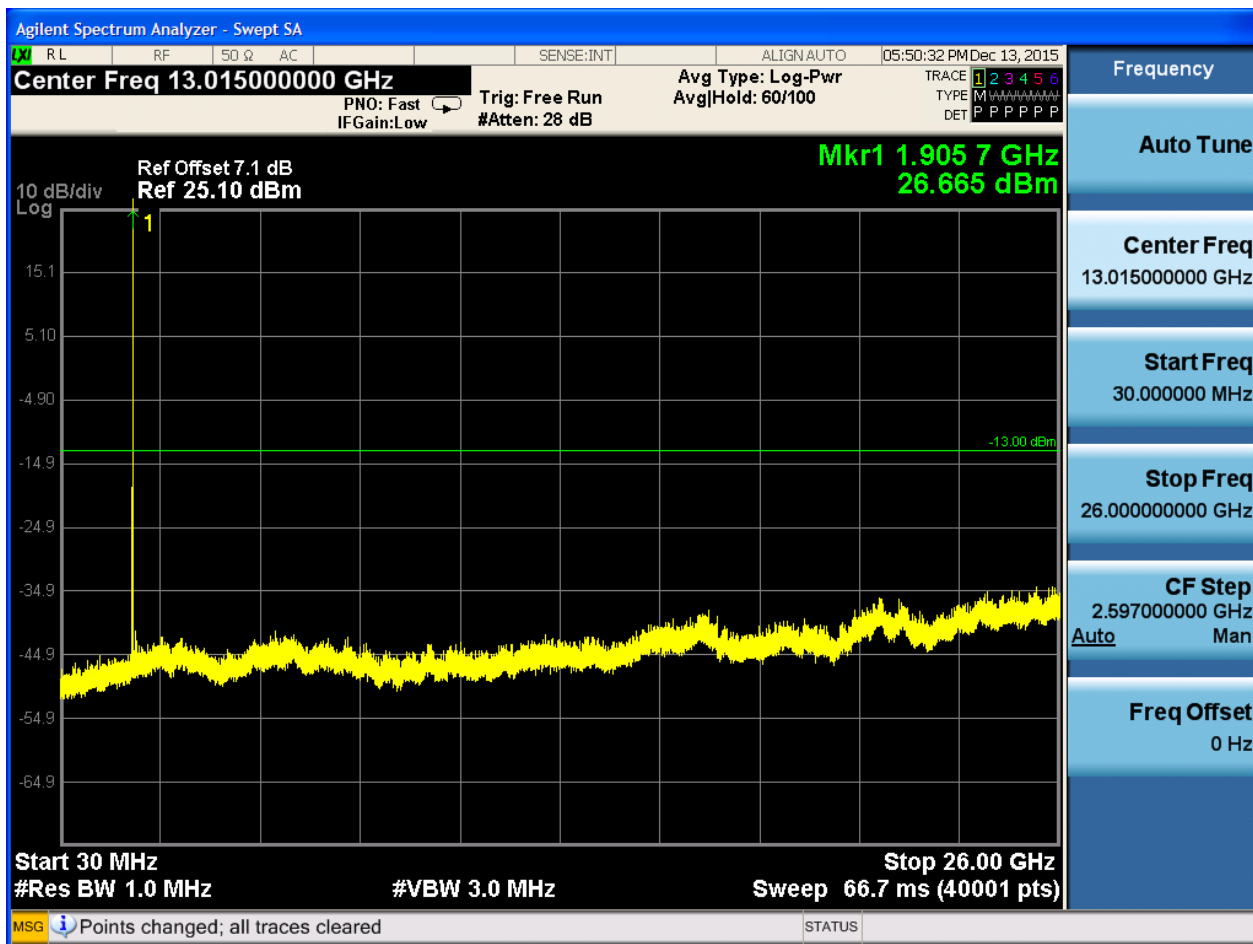










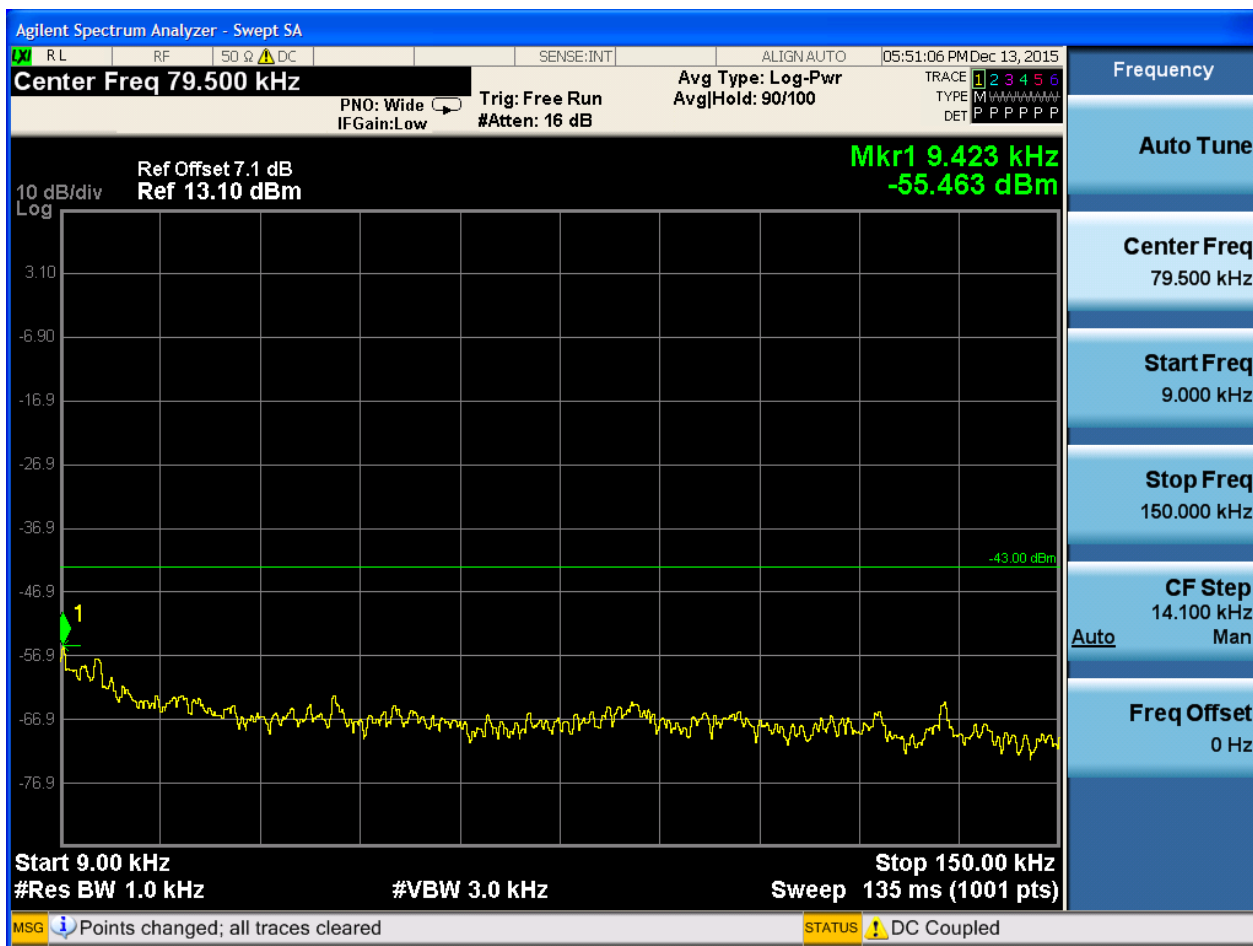


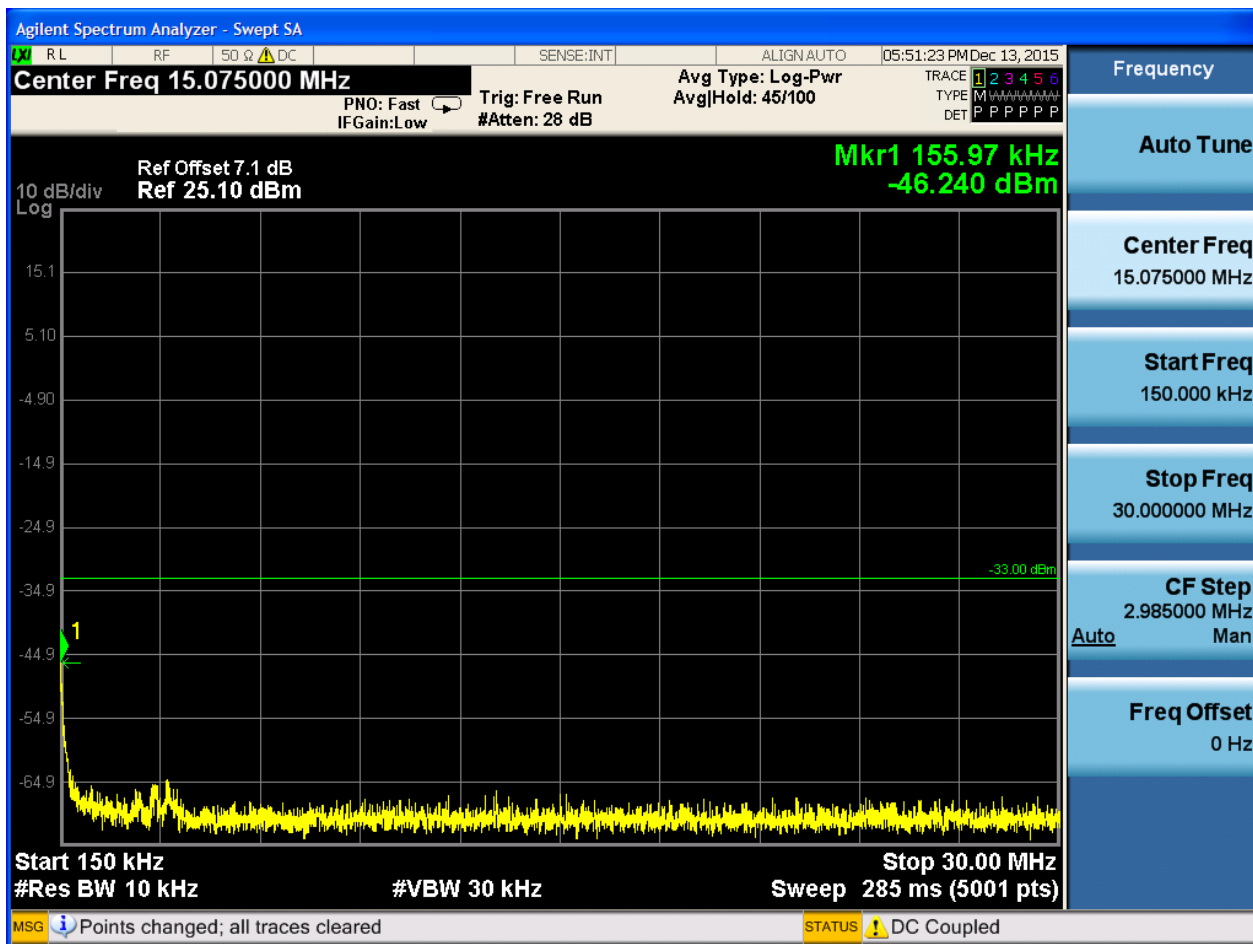


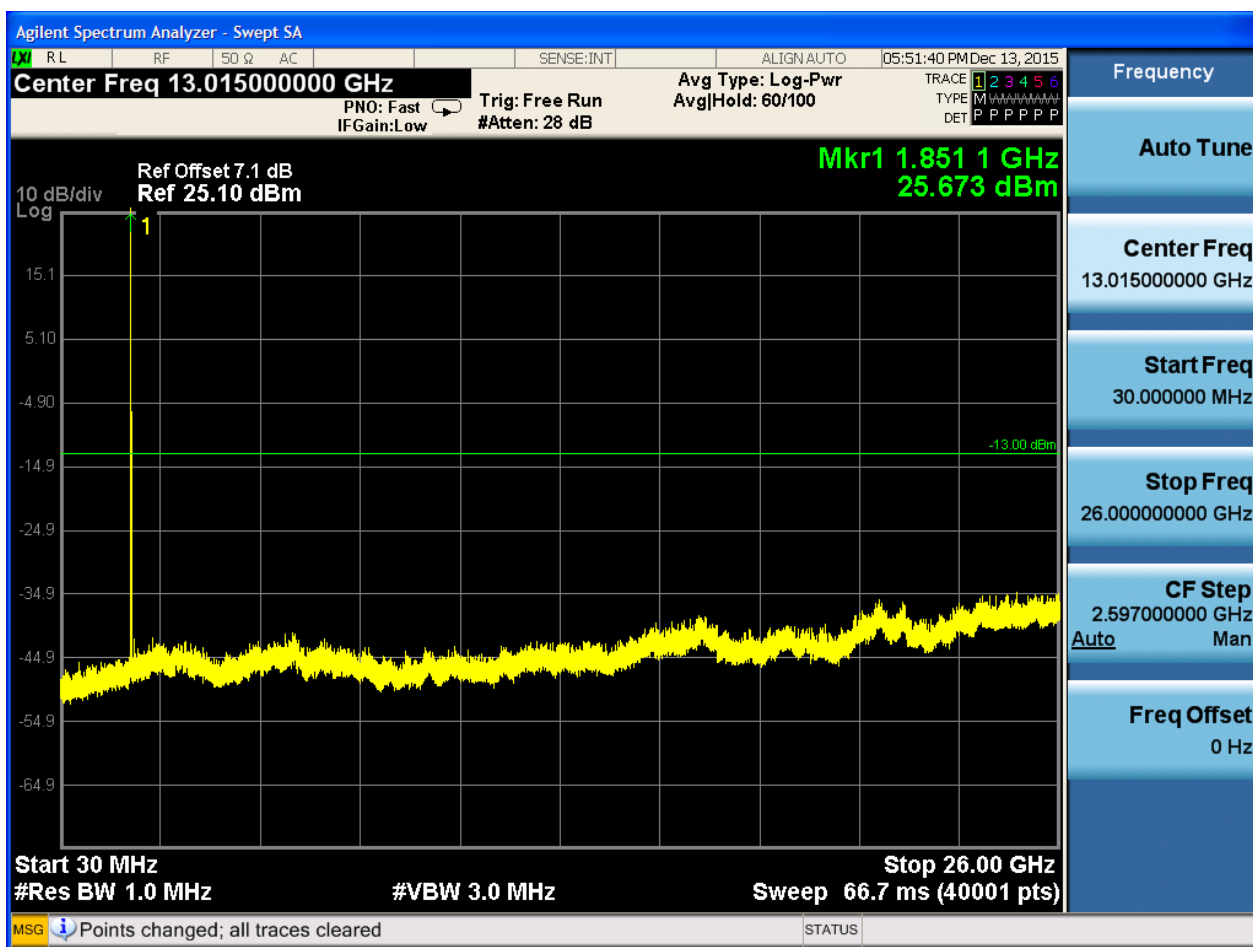
## 6.1.1.1.5 Test Bandwidth = 15

## 6.1.1.1.5.1 Test Channel = LCH

## 6.1.1.1.5.1.1 Test RB = RB1#0



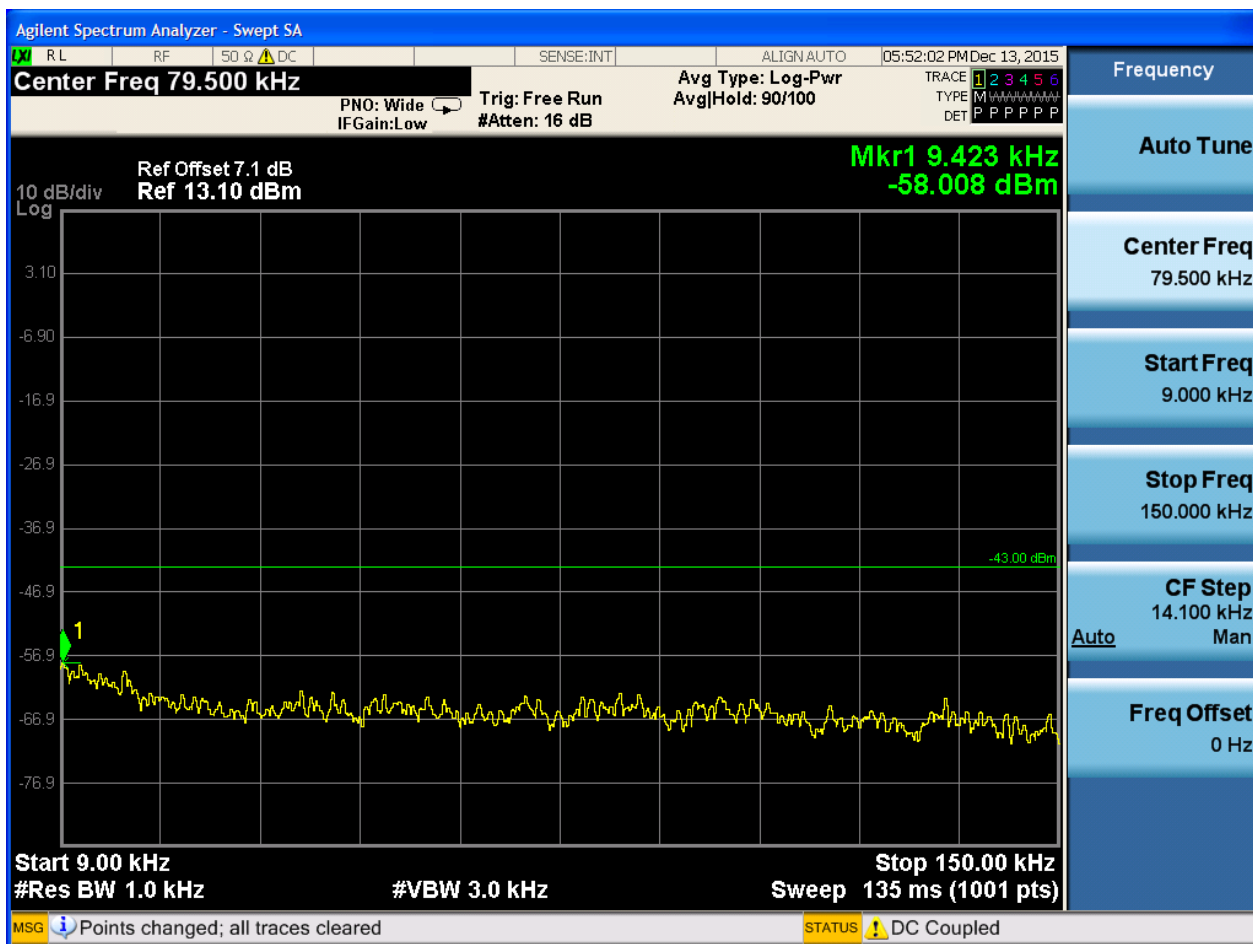




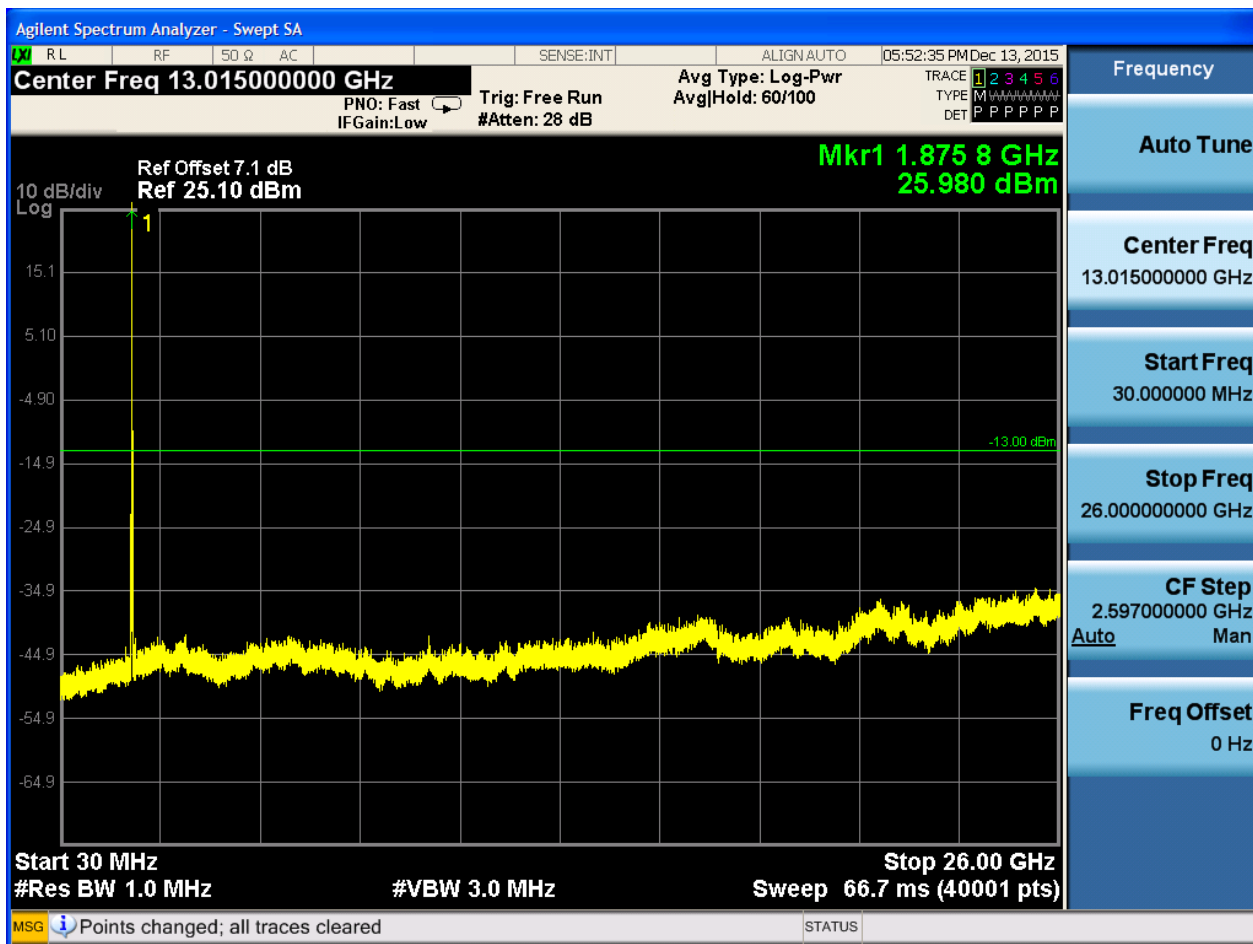


## 6.1.1.1.5.2 Test Channel = MCH

## 6.1.1.1.5.2.1 Test RB = RB1#0

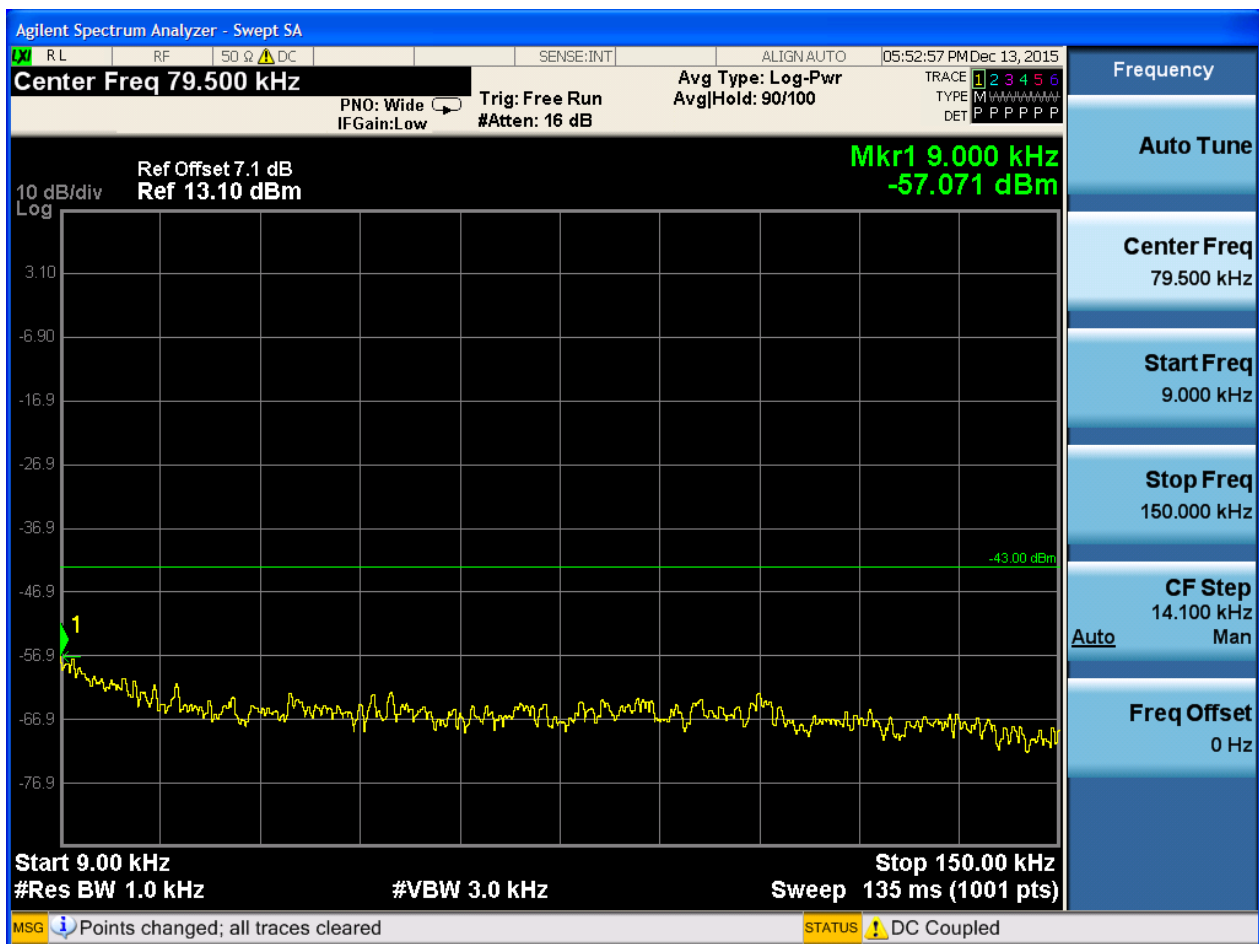


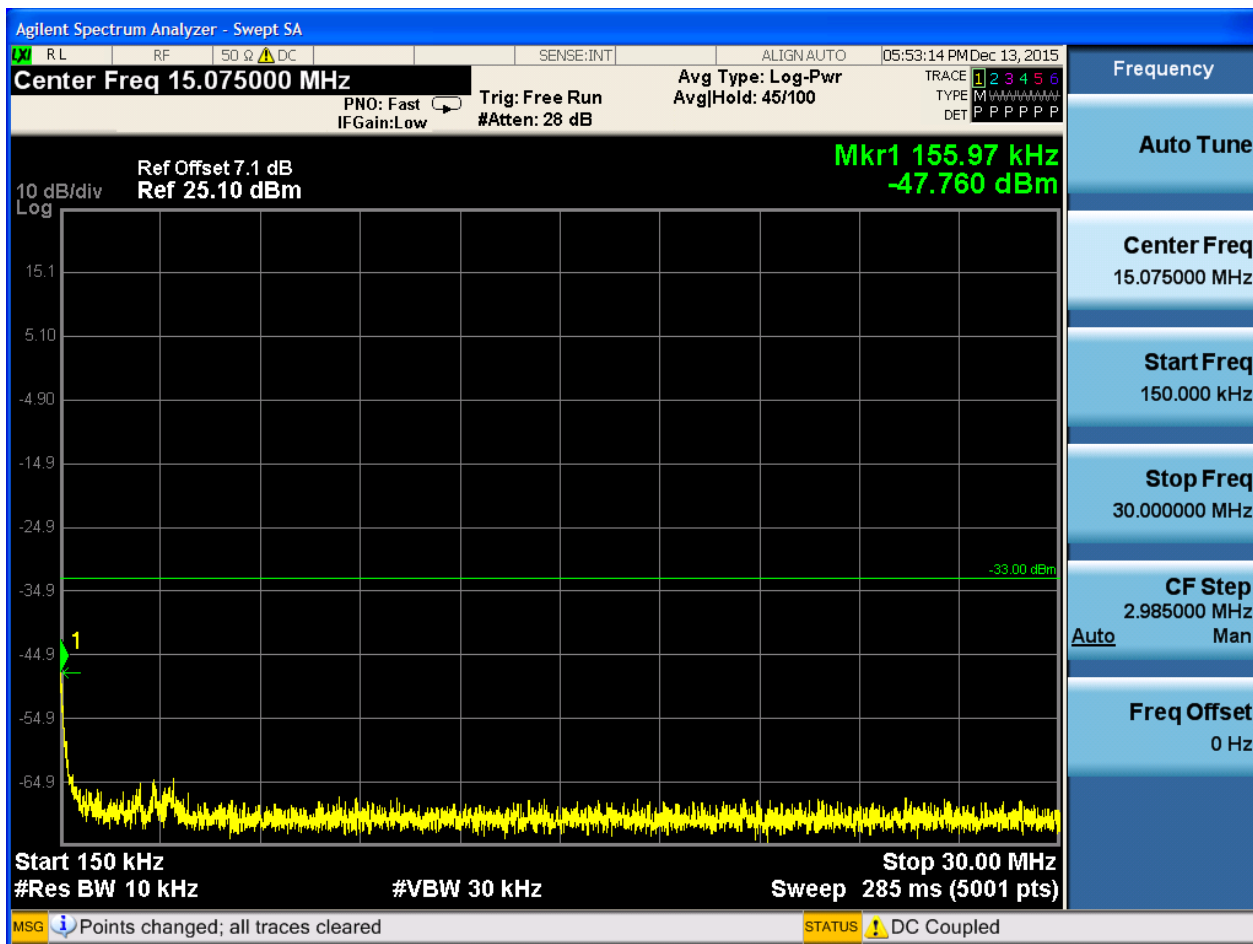


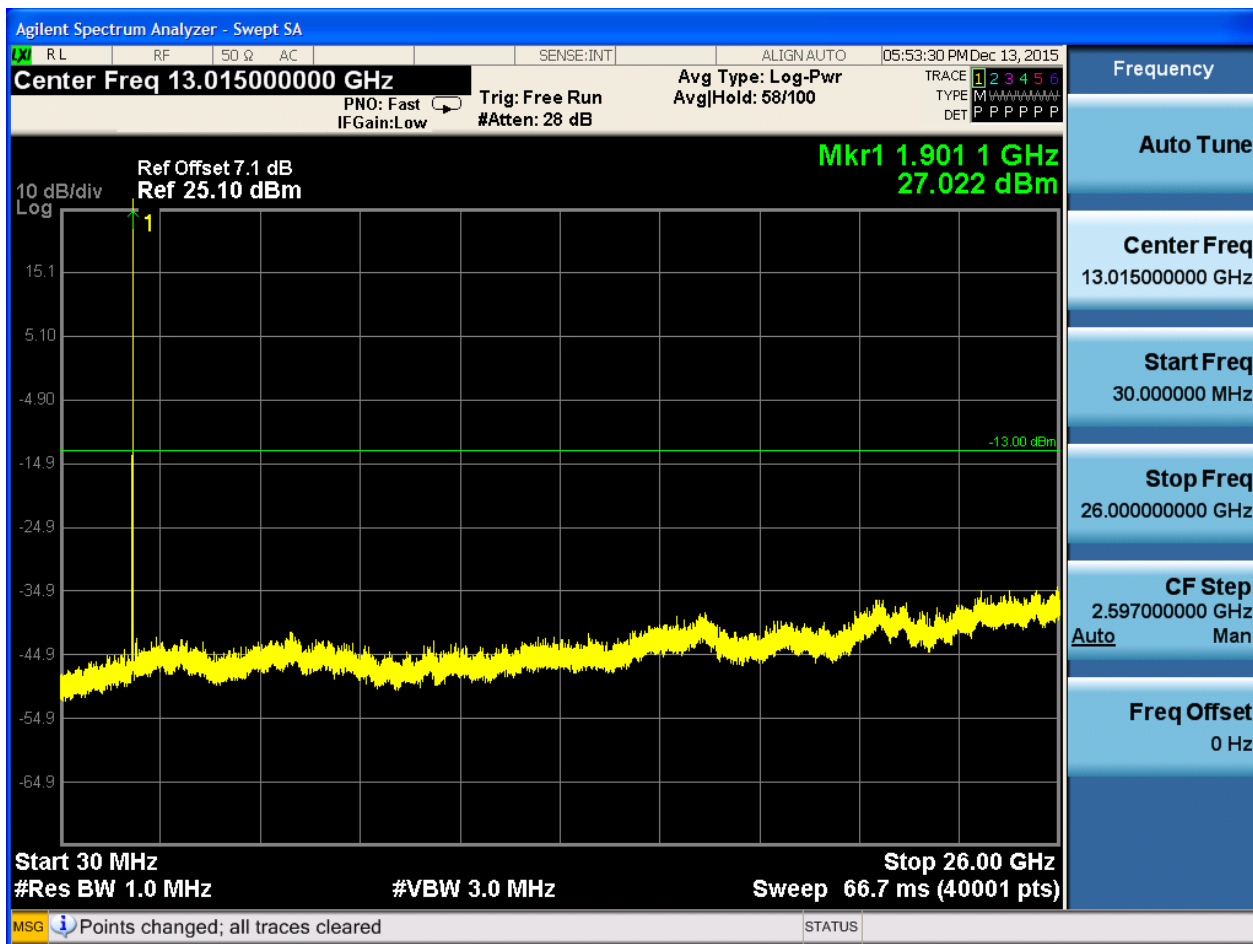


#### 6.1.1.1.5.3 Test Channel = HCH

#### 6.1.1.1.5.3.1 Test RB = RB1#0



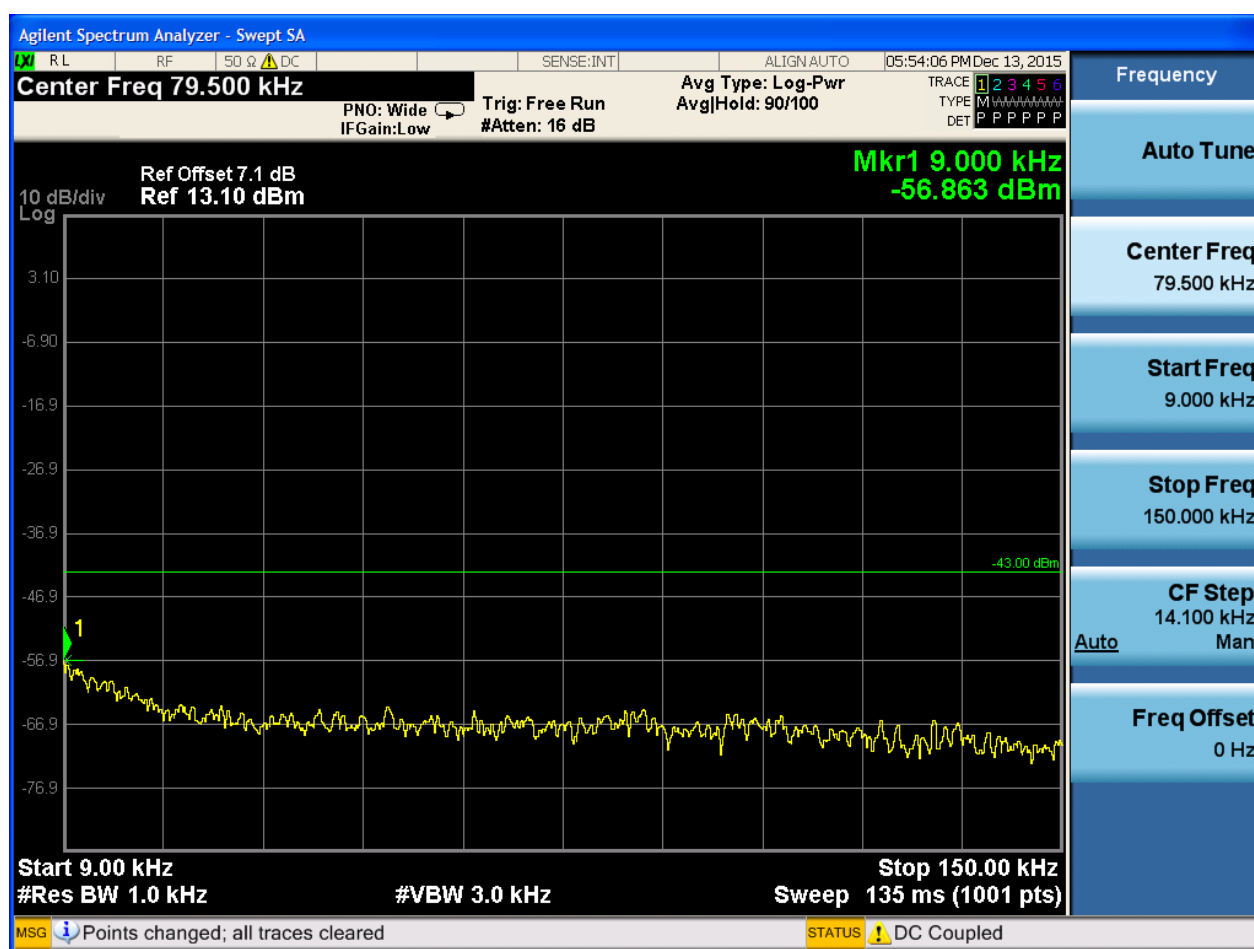


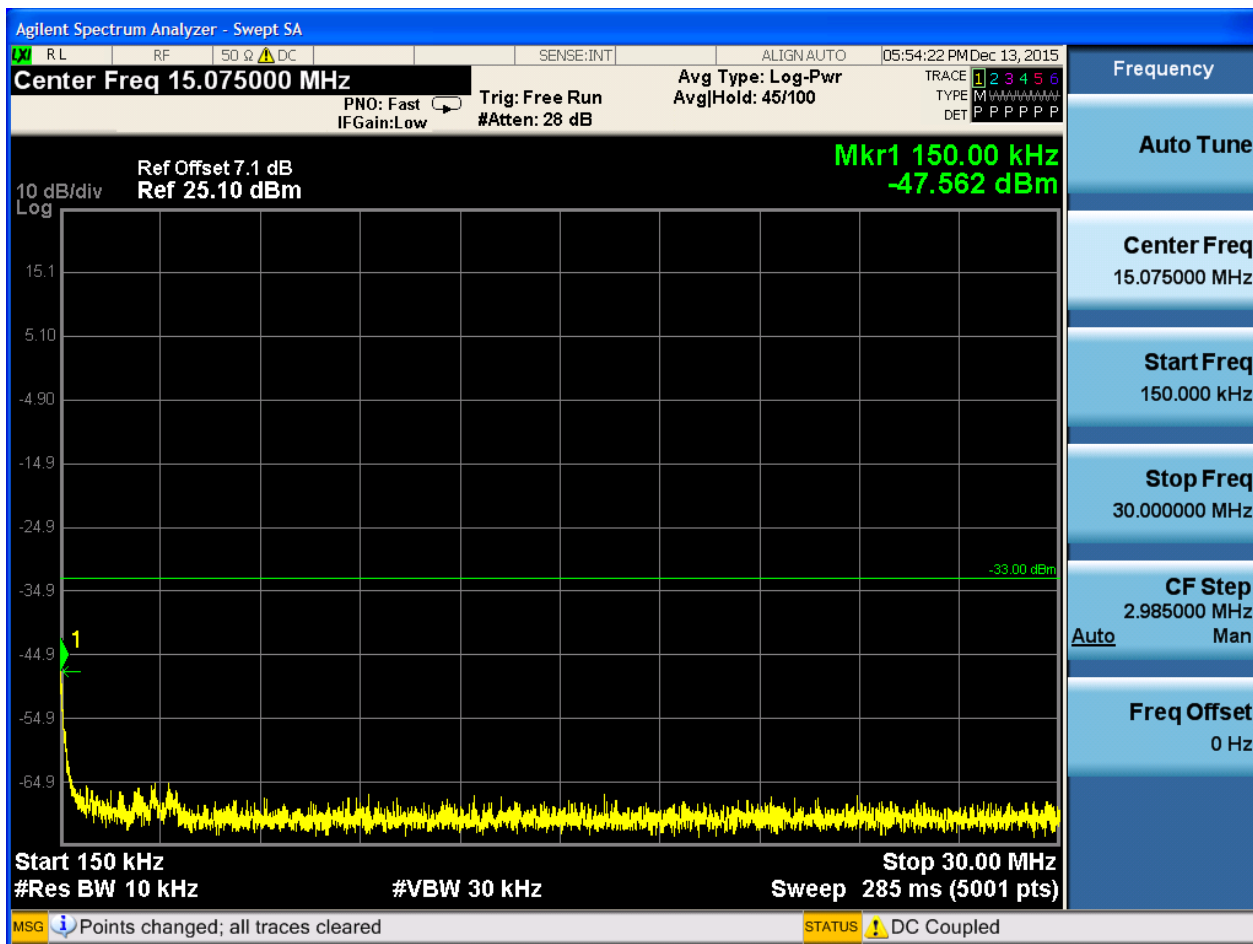


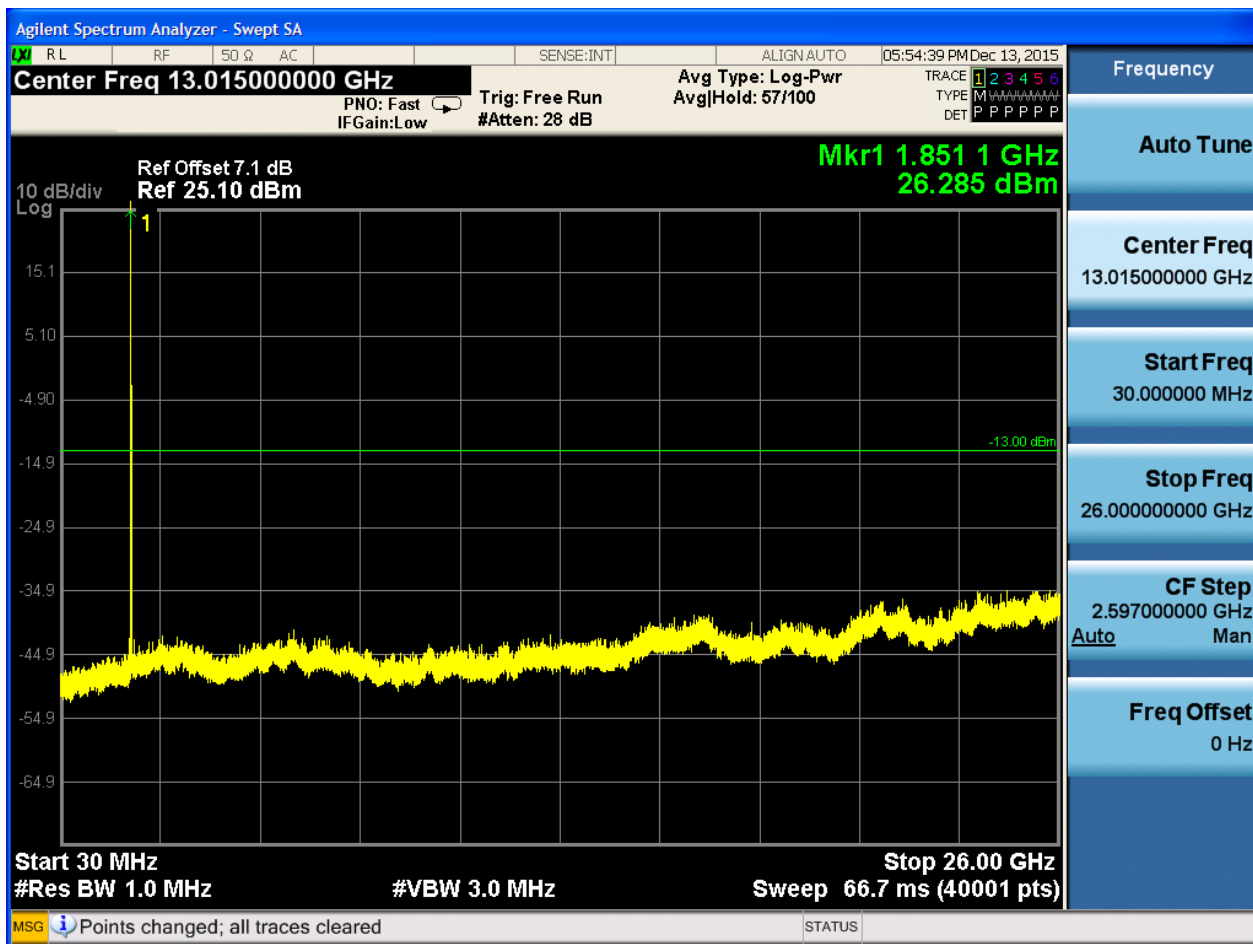
#### 6.1.1.1.6 Test Bandwidth = 20

#### 6.1.1.1.6.1 Test Channel = LCH

#### 6.1.1.1.6.1.1 Test RB = RB1#0



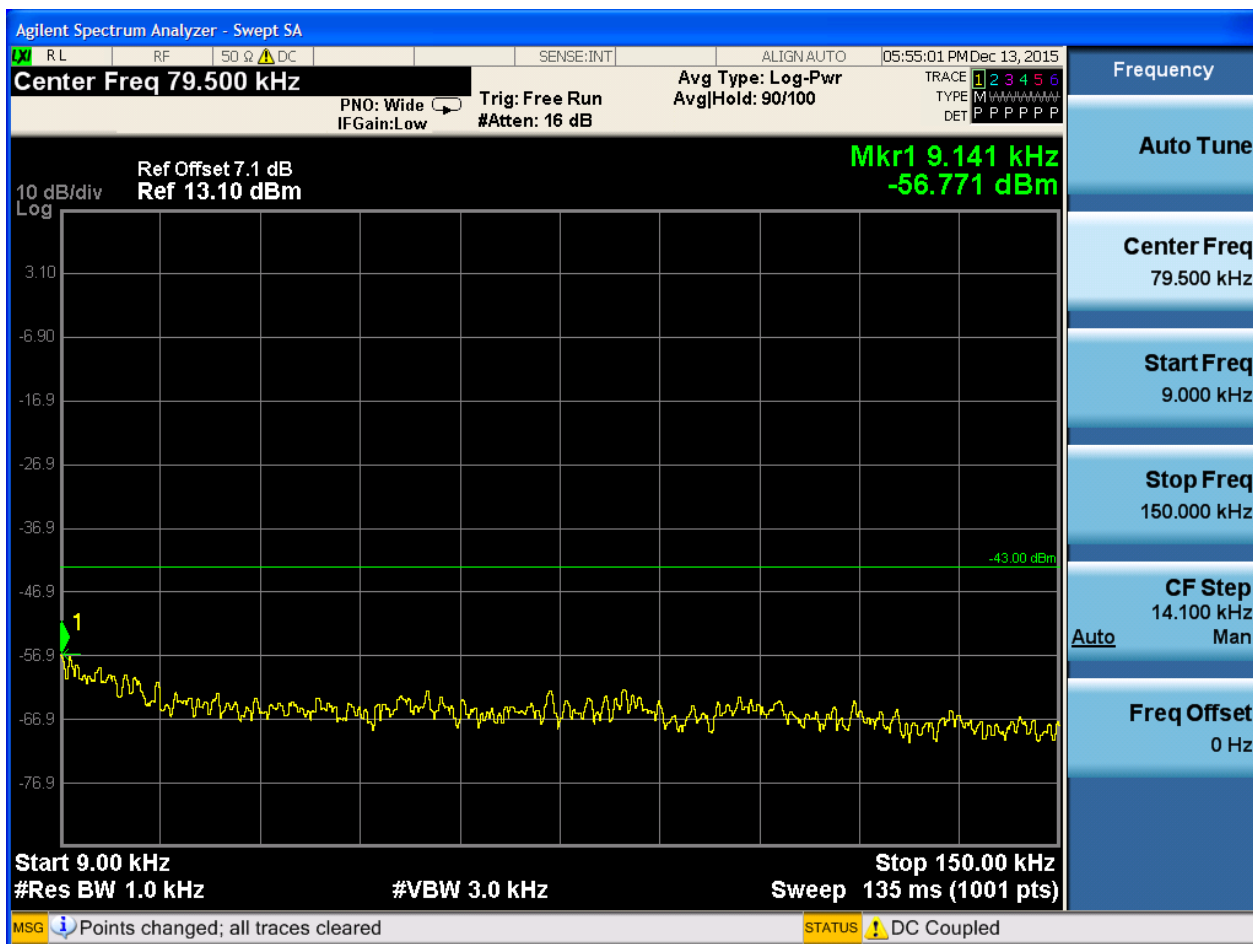


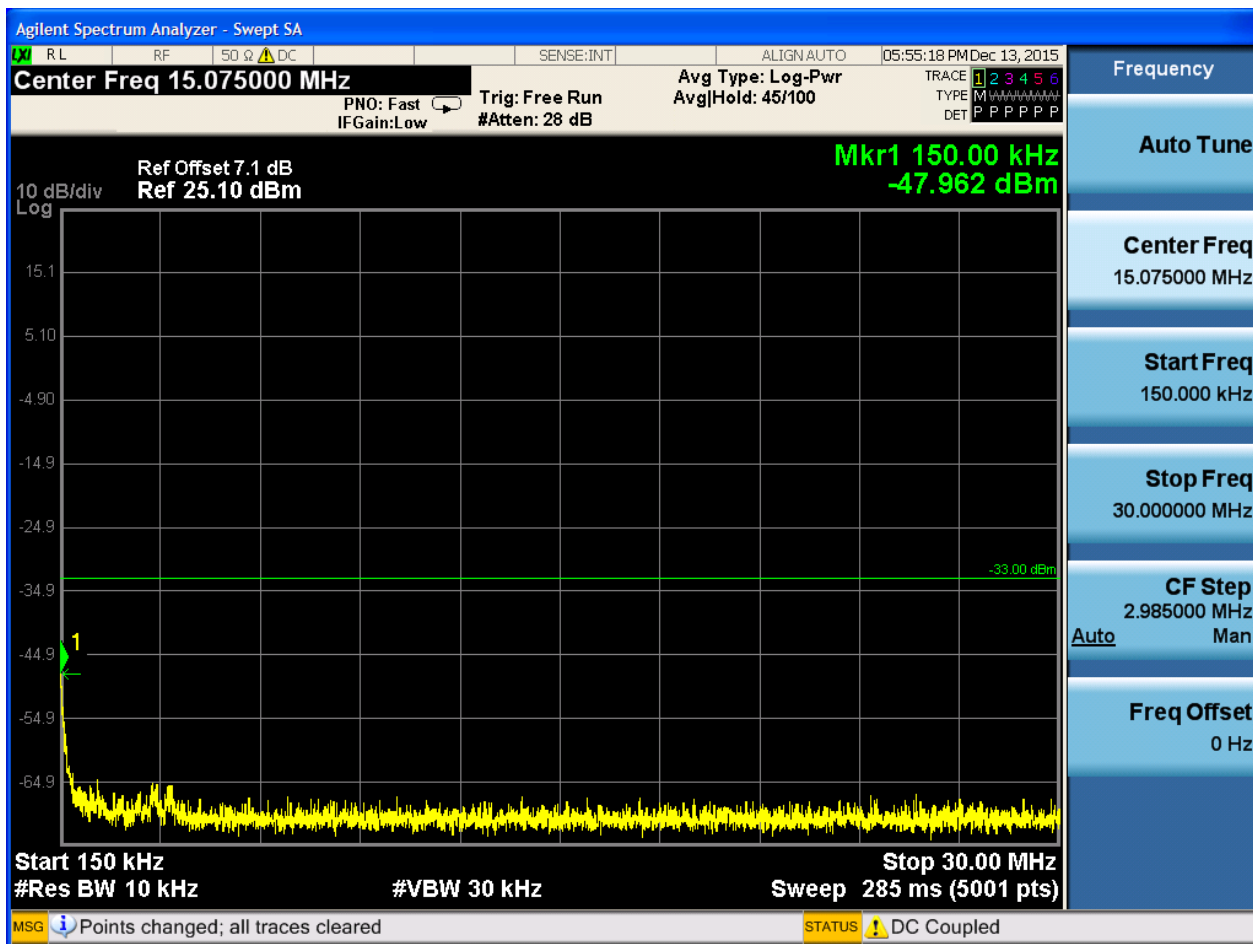


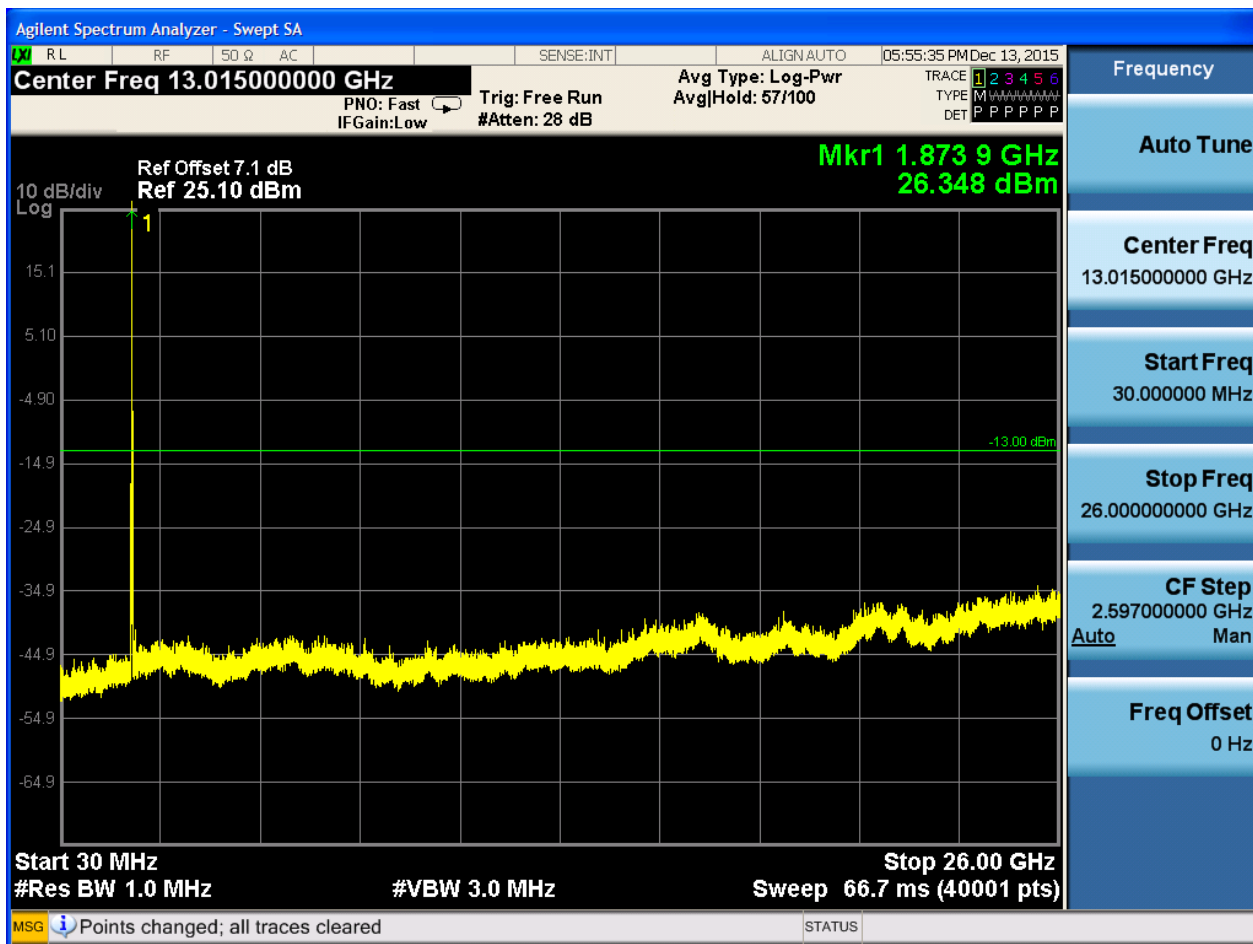


## 6.1.1.1.6.2 Test Channel = MCH

## 6.1.1.1.6.2.1 Test RB = RB1#0









## 6.1.1.1.6.3 Test Channel = HCH

## 6.1.1.1.6.3.1 Test RB = RB1#0

