

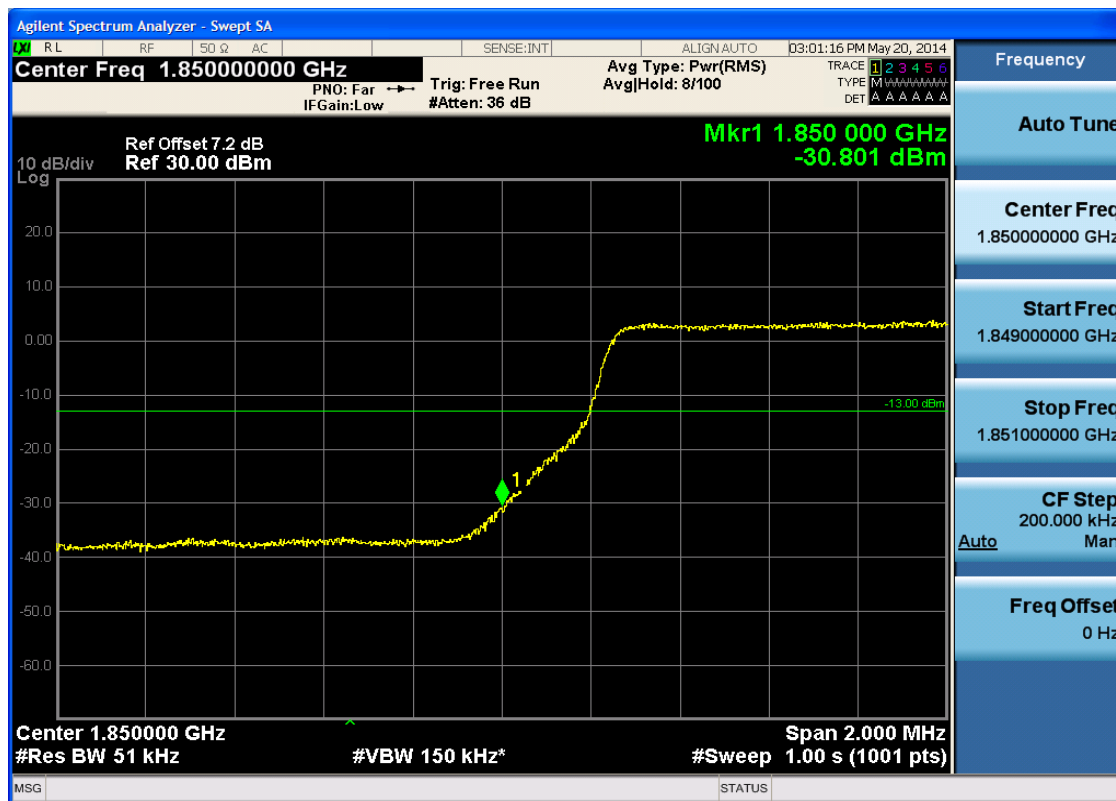


## 5.3.1.1.1.3 Test RB = RB12#6





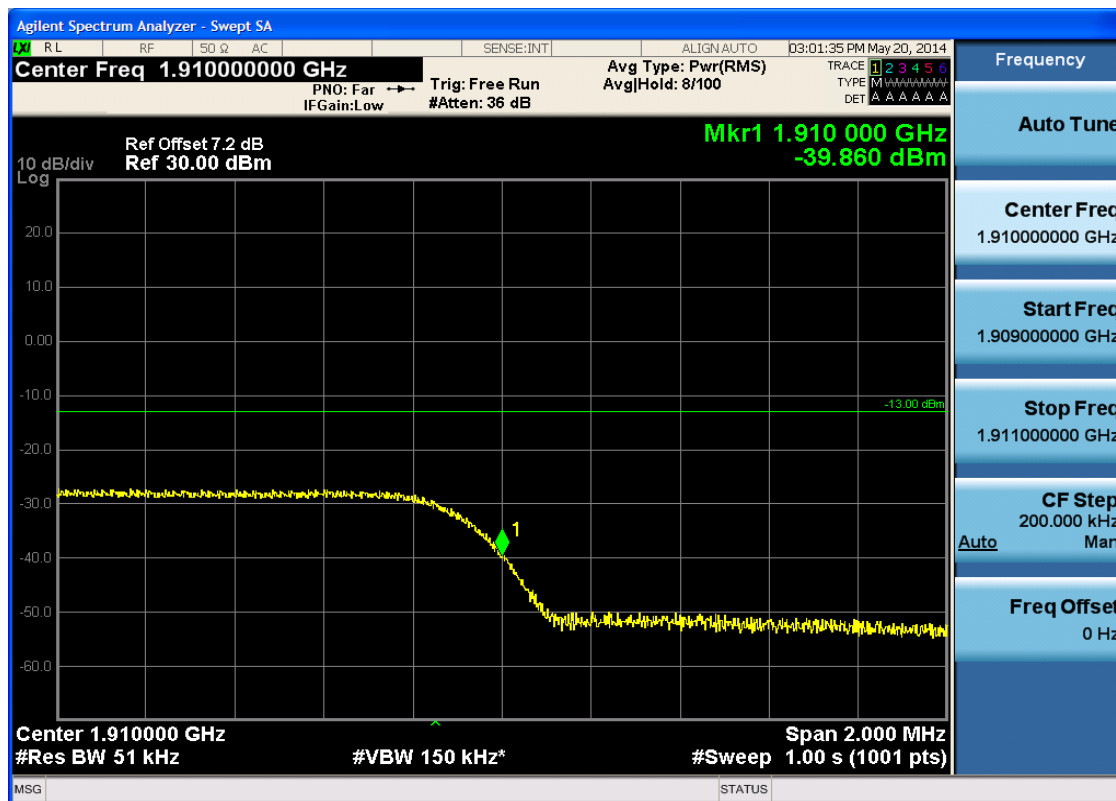
## 5.3.1.1.1.4 Test RB = RB25#0





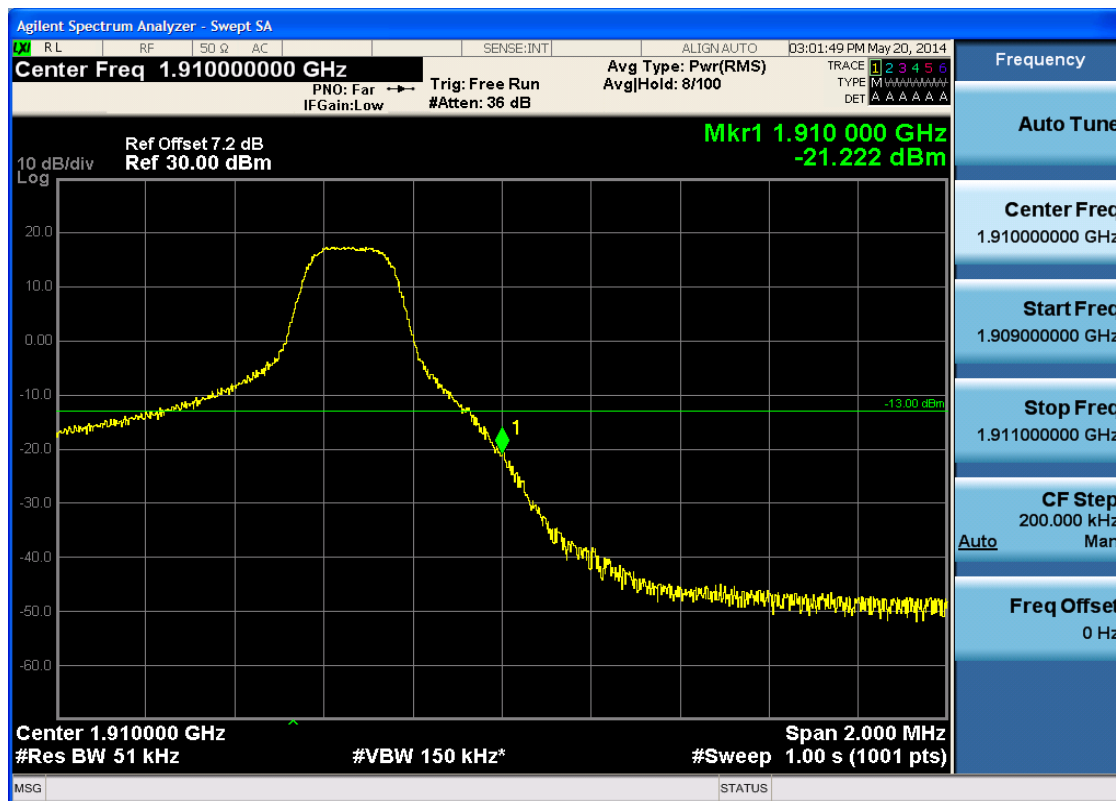
## 5.3.1.1.1.2 Test Channel = HCH

## 5.3.1.1.1.2.1 Test RB = RB1#0



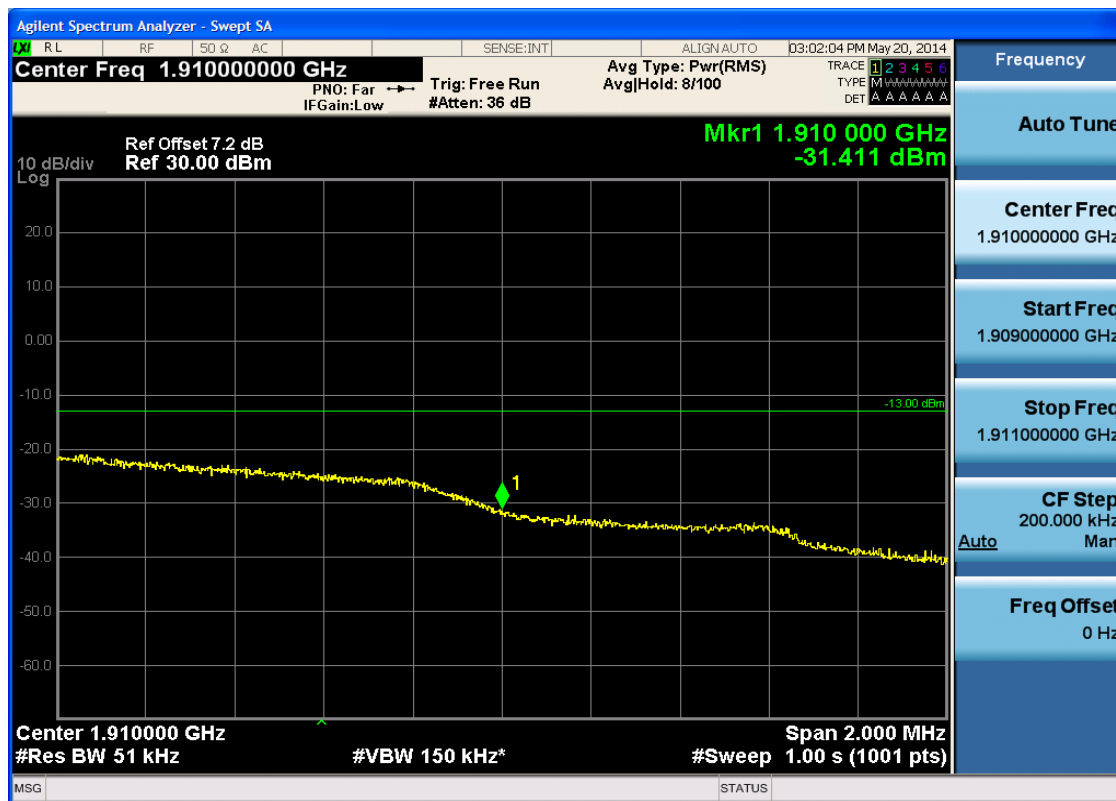


## 5.3.1.1.2.2 Test RB = RB1#24





## 5.3.1.1.1.2.3 Test RB = RB12#6





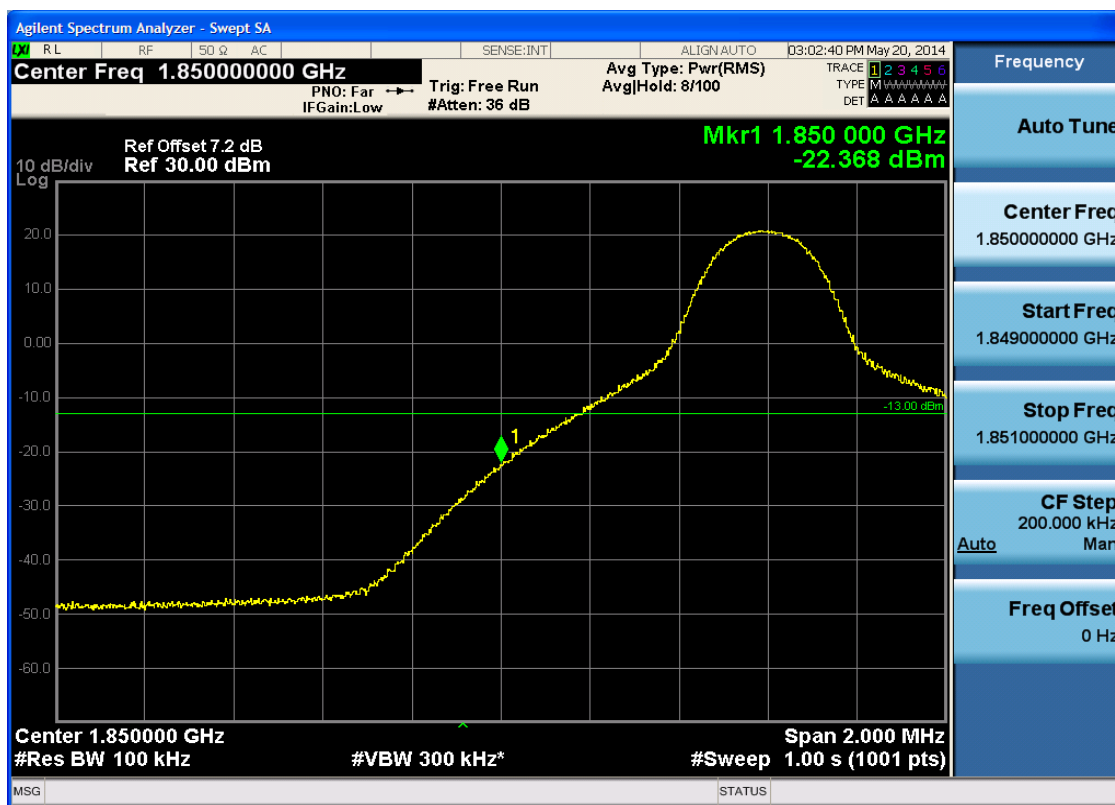
## 5.3.1.1.1.2.4 Test RB = RB25#0



### 5.3.1.1.2 Test Bandwidth = 10

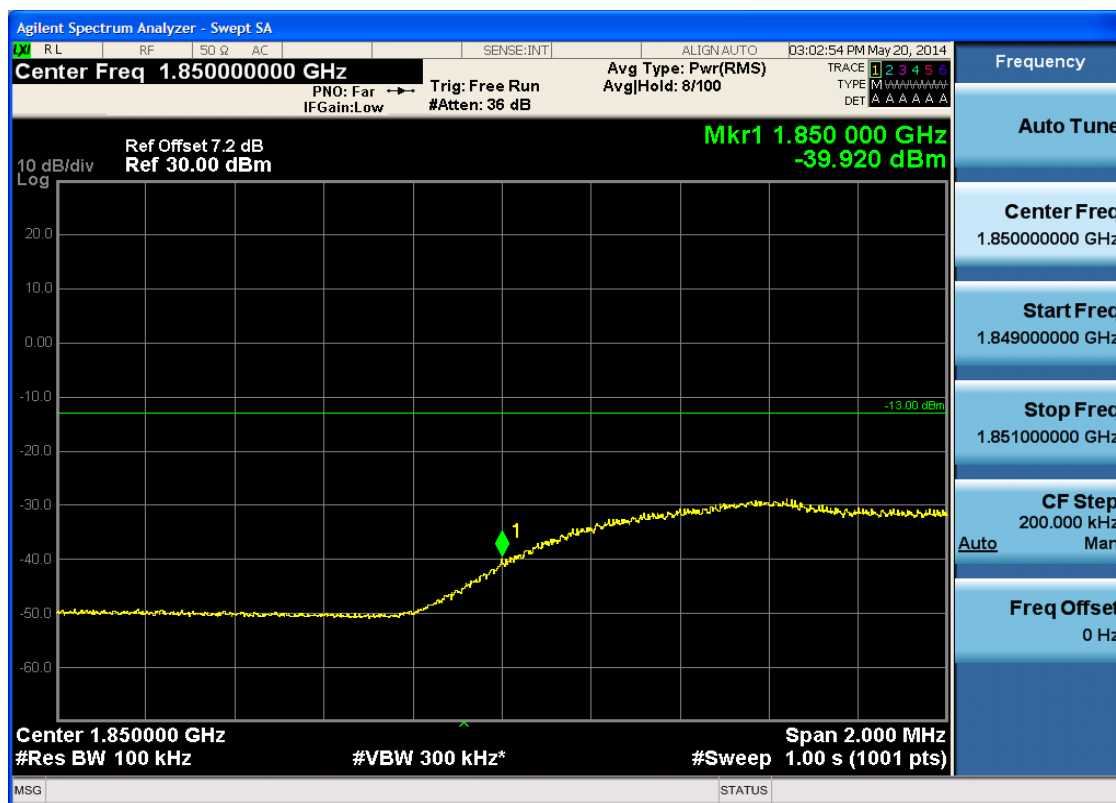
#### 5.3.1.1.2.1 Test Channel = LCH

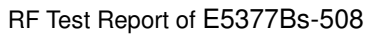
##### 5.3.1.1.2.1.1 Test RB = RB1#0





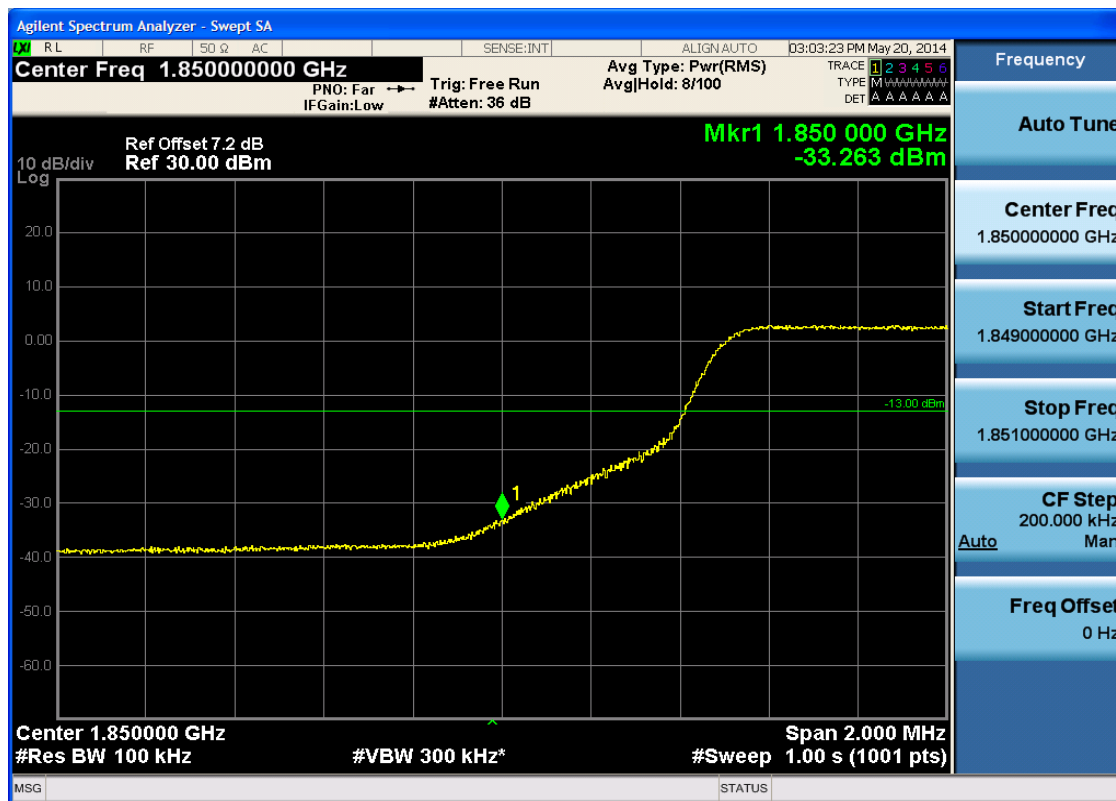
## 5.3.1.1.2.1.2 Test RB = RB1#49



[illegible]



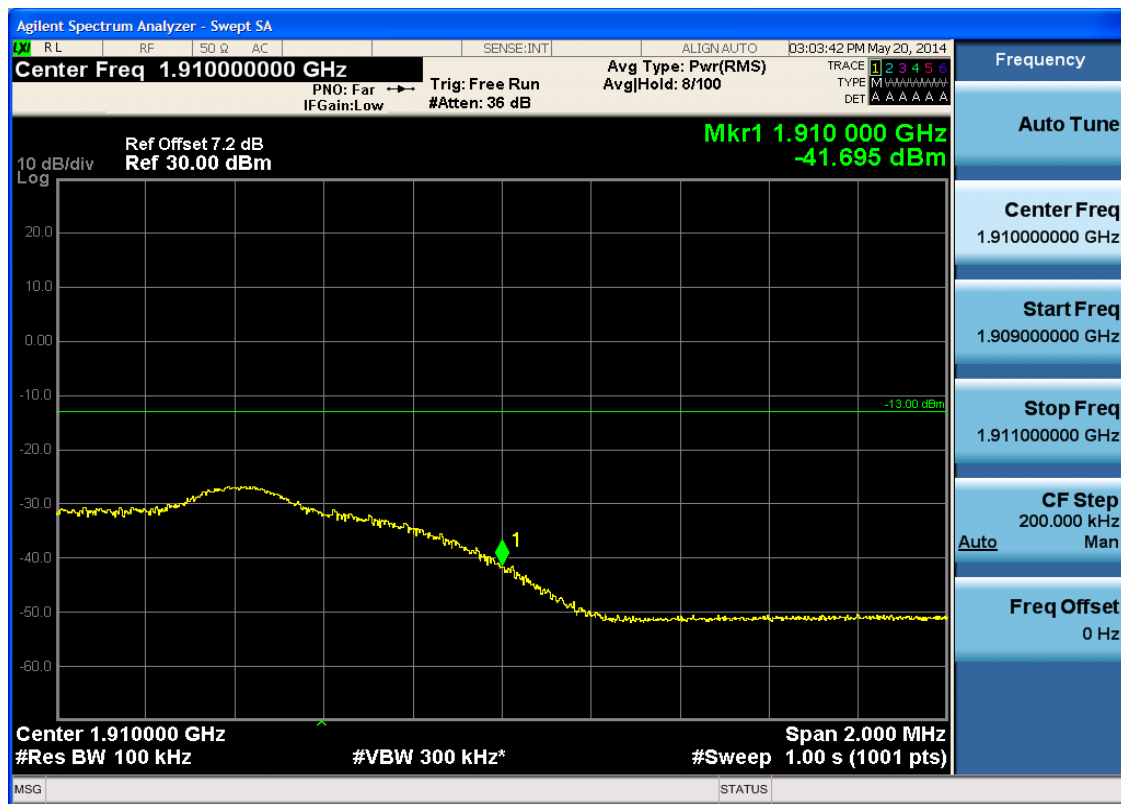
## 5.3.1.1.2.1.4 Test RB = RB50#0

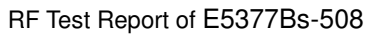




## 5.3.1.1.2.2 Test Channel = HCH

## 5.3.1.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

**Center Freq 1.91000000 GHz**

PNO: Far → Trig: Free Run  
IF Gain: Low #Atten: 36 dB

Avg Type: Pwr(RMS) Avg|Hold: 8/100

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 7.2 dB  
Ref 30.00 dBm

**Mkr1 1.910 010 GHz**  
**-24.203 dBm**

10 dB/div  
Log

20.0  
10.0  
0.00  
-10.0  
-20.0  
-30.0  
-40.0  
-50.0  
-60.0

-13.00 dBm

**Center 1.910000 GHz**  
**#Res BW 100 kHz**

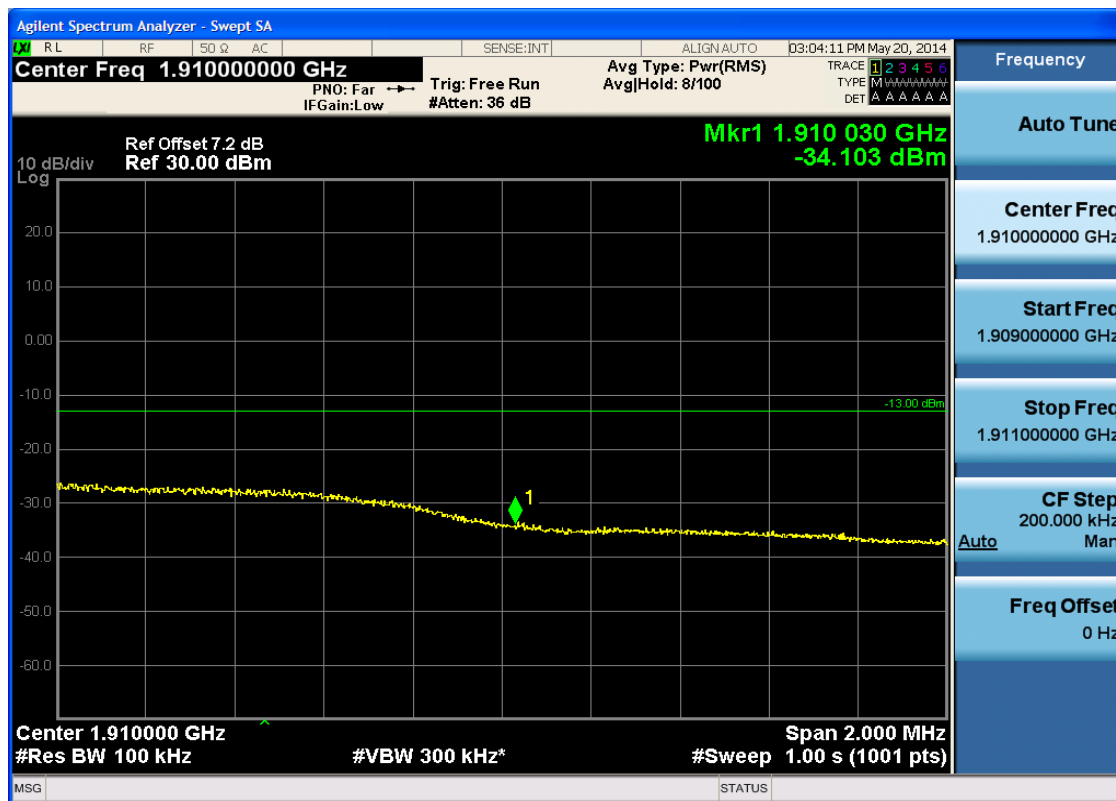
**Span 2.000 MHz**  
**#Sweep 1.00 s (1001 pts)**

**#VBW 300 kHz\***

MSG STATUS



## 5.3.1.1.2.2.3 Test RB = RB25#13





## 5.3.1.1.2.2.4 Test RB = RB50#0

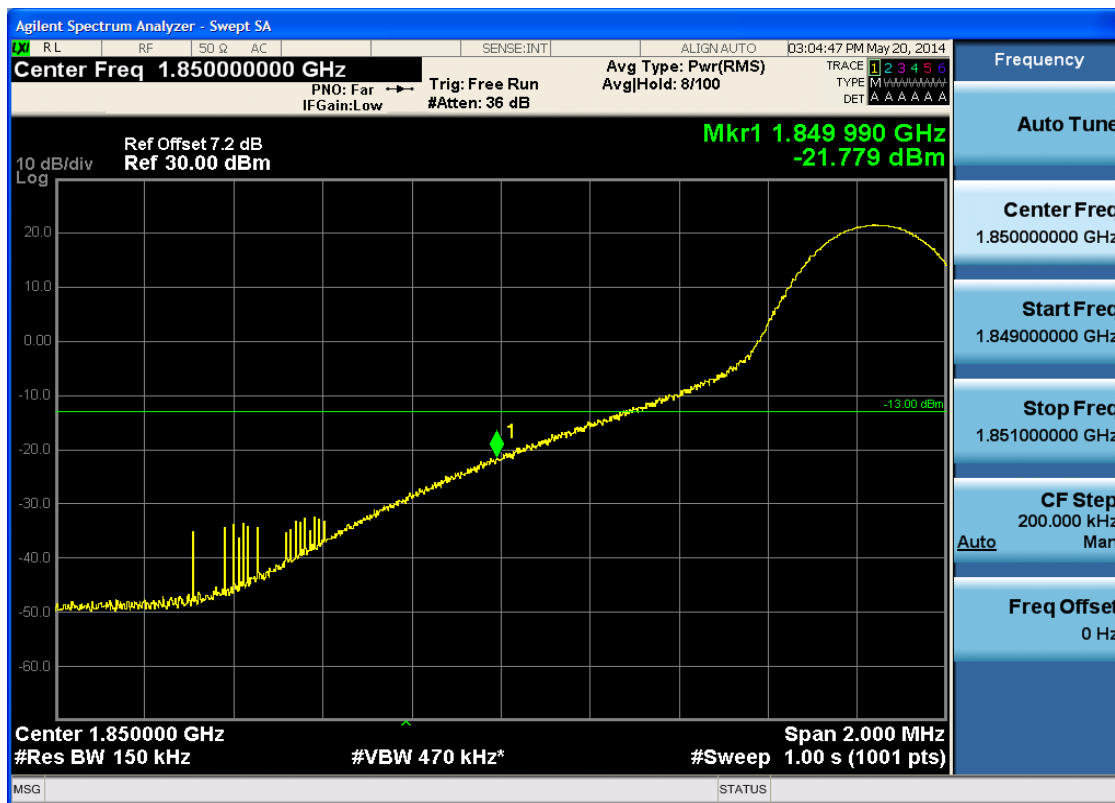




## 5.3.1.1.3 Test Bandwidth = 15

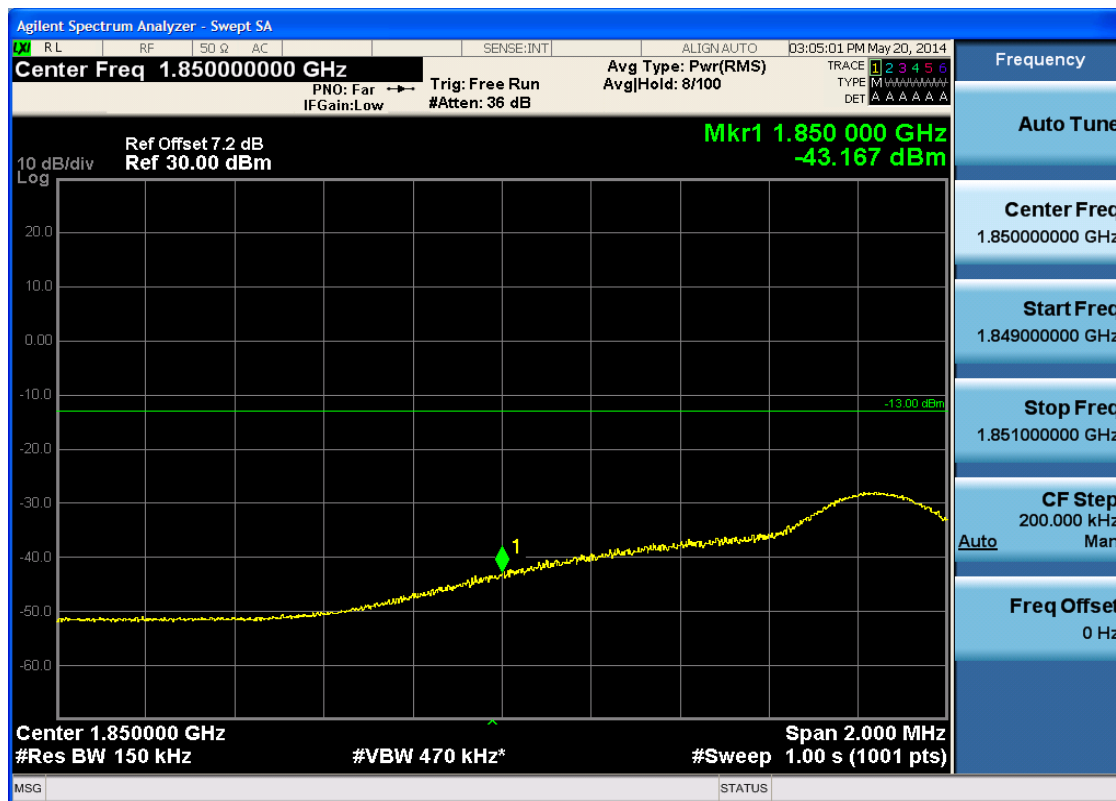
## 5.3.1.1.3.1 Test Channel = LCH

## 5.3.1.1.3.1.1 Test RB = RB1#0



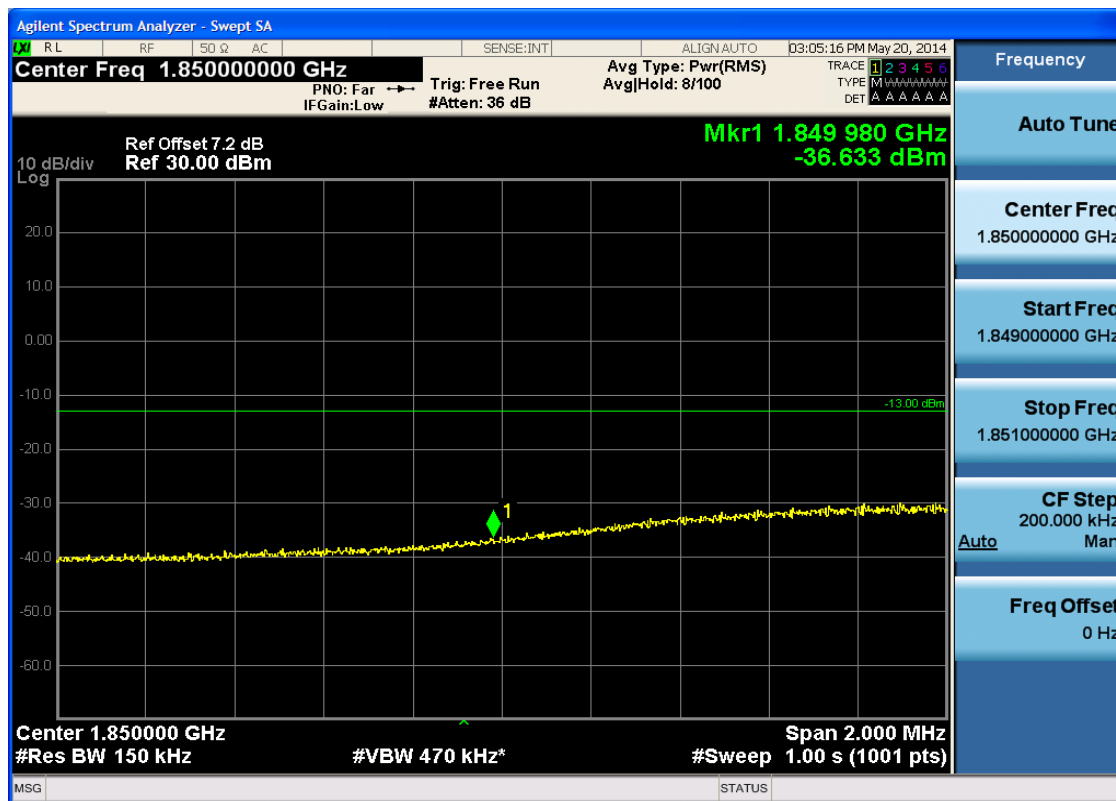


## 5.3.1.1.3.1.2 Test RB = RB1#74



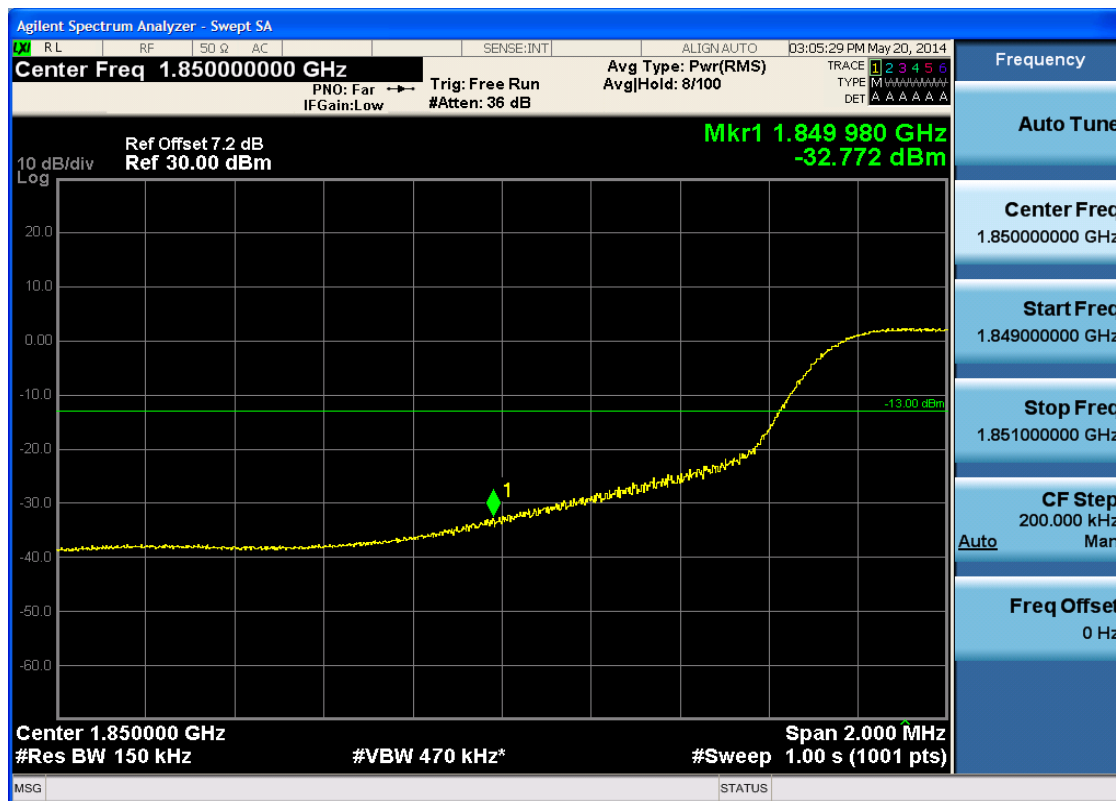


## 5.3.1.1.3.1.3 Test RB = RB36#18





## 5.3.1.1.3.1.4 Test RB = RB75#0





## 5.3.1.1.3.2 Test Channel = HCH

## 5.3.1.1.3.2.1 Test RB = RB1#0



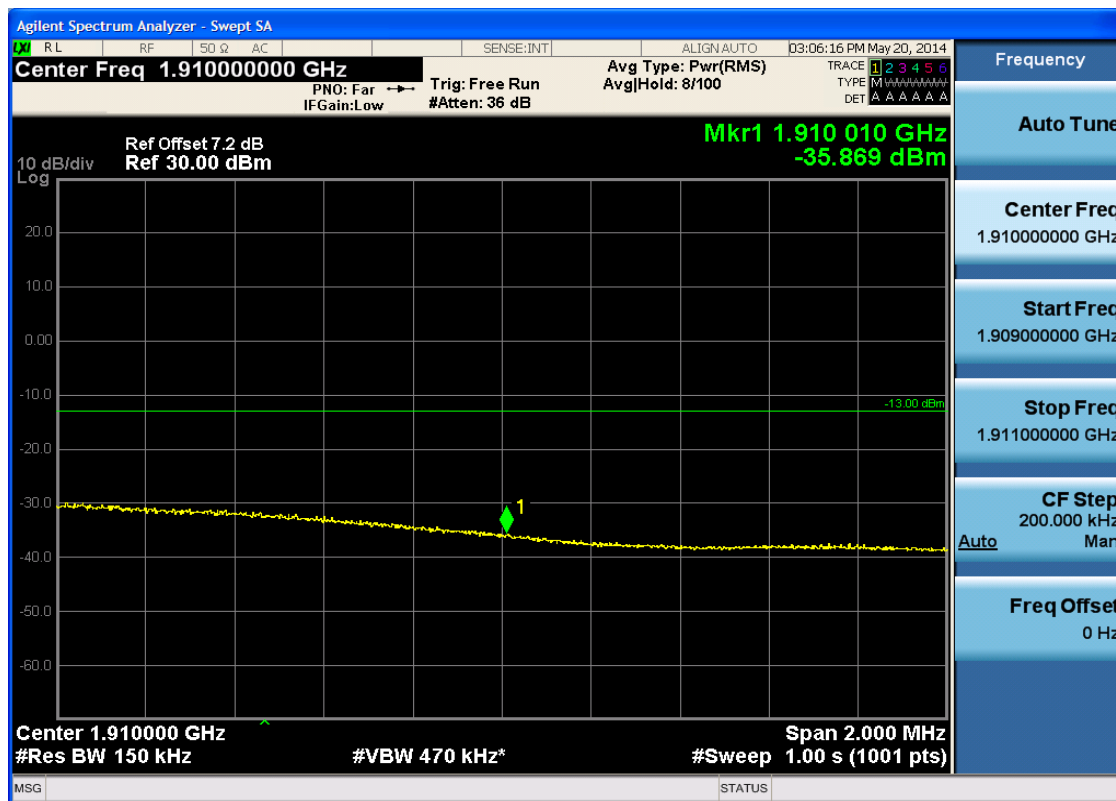


## 5.3.1.1.3.2.2 Test RB = RB1#74





## 5.3.1.1.3.2.3 Test RB = RB36#18





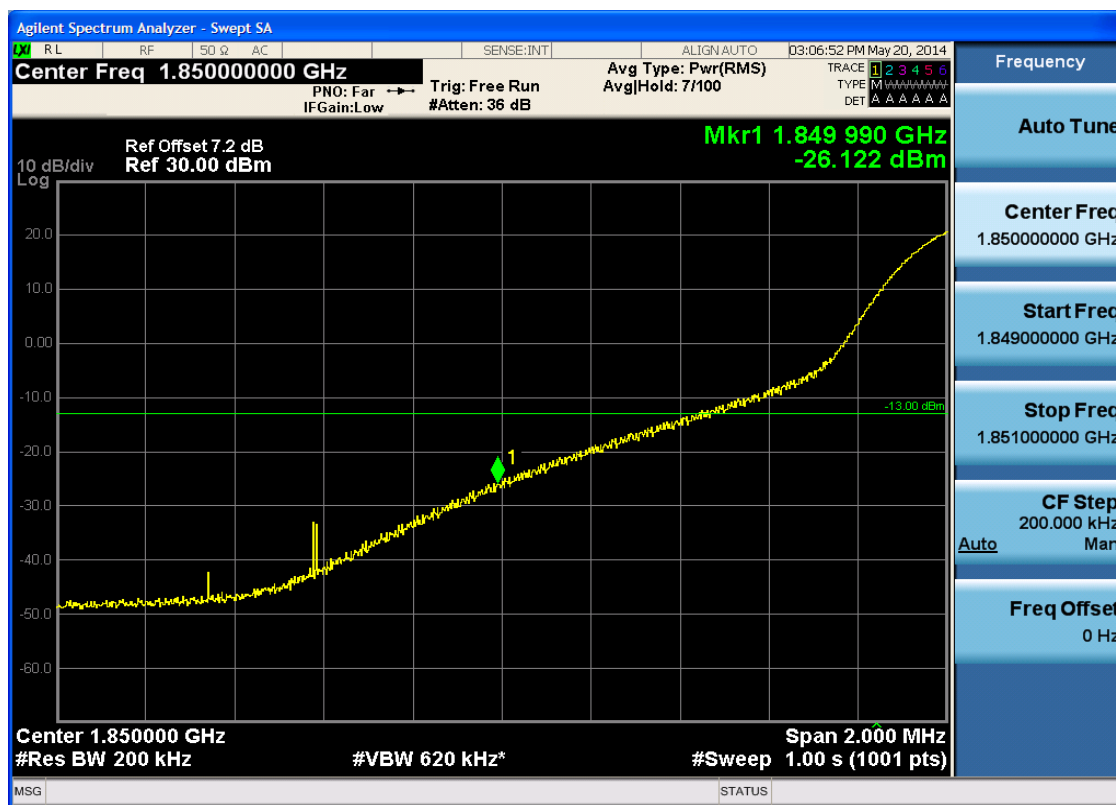
## 5.3.1.1.3.2.4 Test RB = RB75#0



### 5.3.1.1.4 Test Bandwidth = 20

#### 5.3.1.1.4.1 Test Channel = LCH

##### 5.3.1.1.4.1.1 Test RB = RB1#0





## 5.3.1.1.4.1.2 Test RB = RB1#99



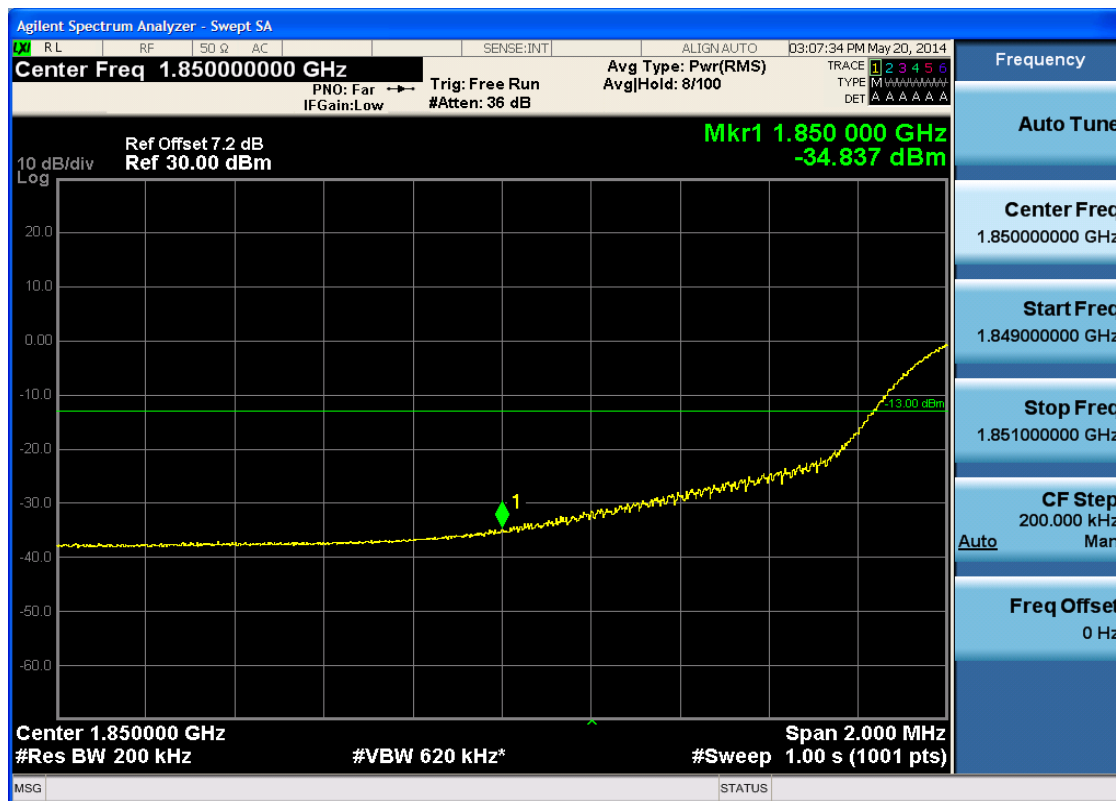


## 5.3.1.1.4.1.3 Test RB = RB50#25





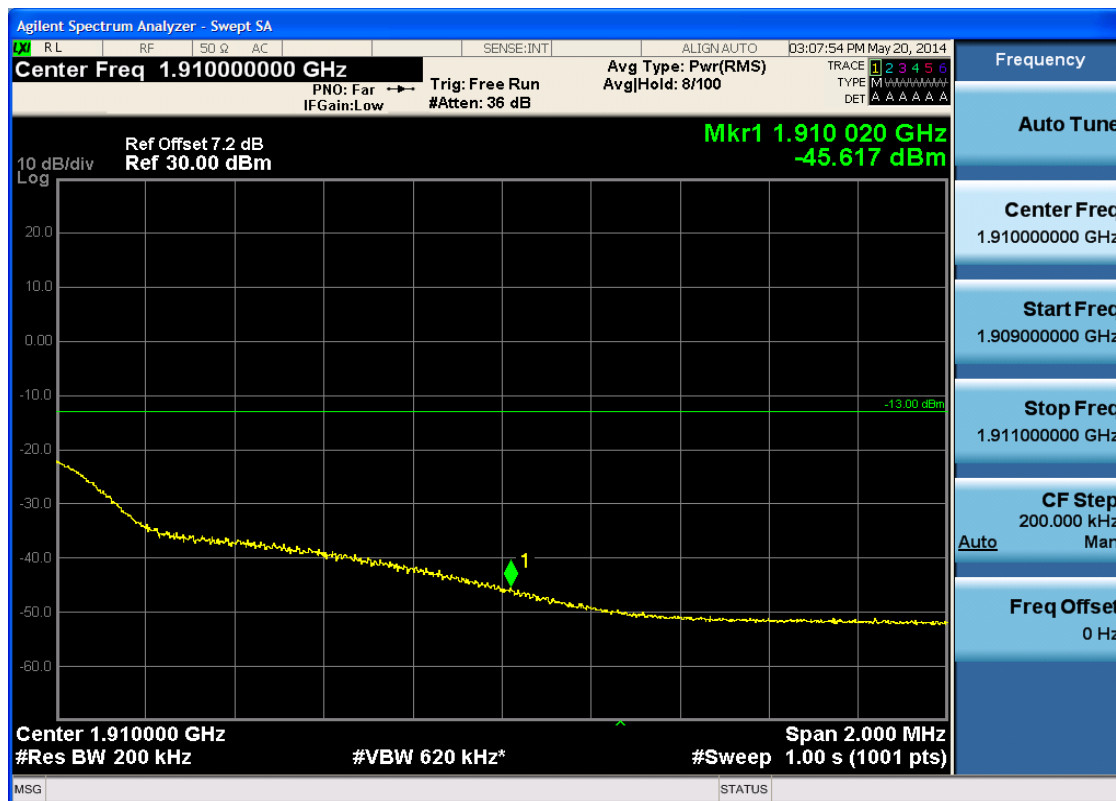
## 5.3.1.1.4.1.4 Test RB = RB100#0





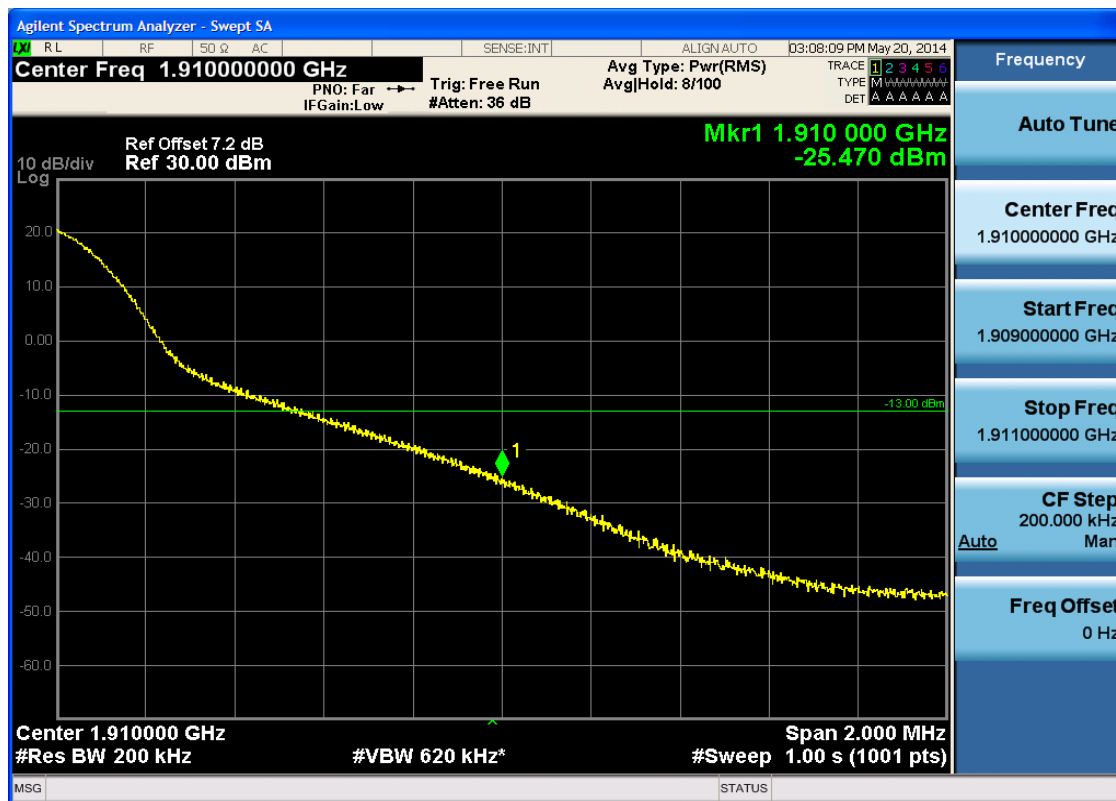
## 5.3.1.1.4.2 Test Channel = HCH

## 5.3.1.1.4.2.1 Test RB = RB1#0





## 5.3.1.1.4.2.2 Test RB = RB1#99





## 5.3.1.1.4.2.3 Test RB = RB50#25





## 5.3.1.1.4.2.4 Test RB = RB100#0

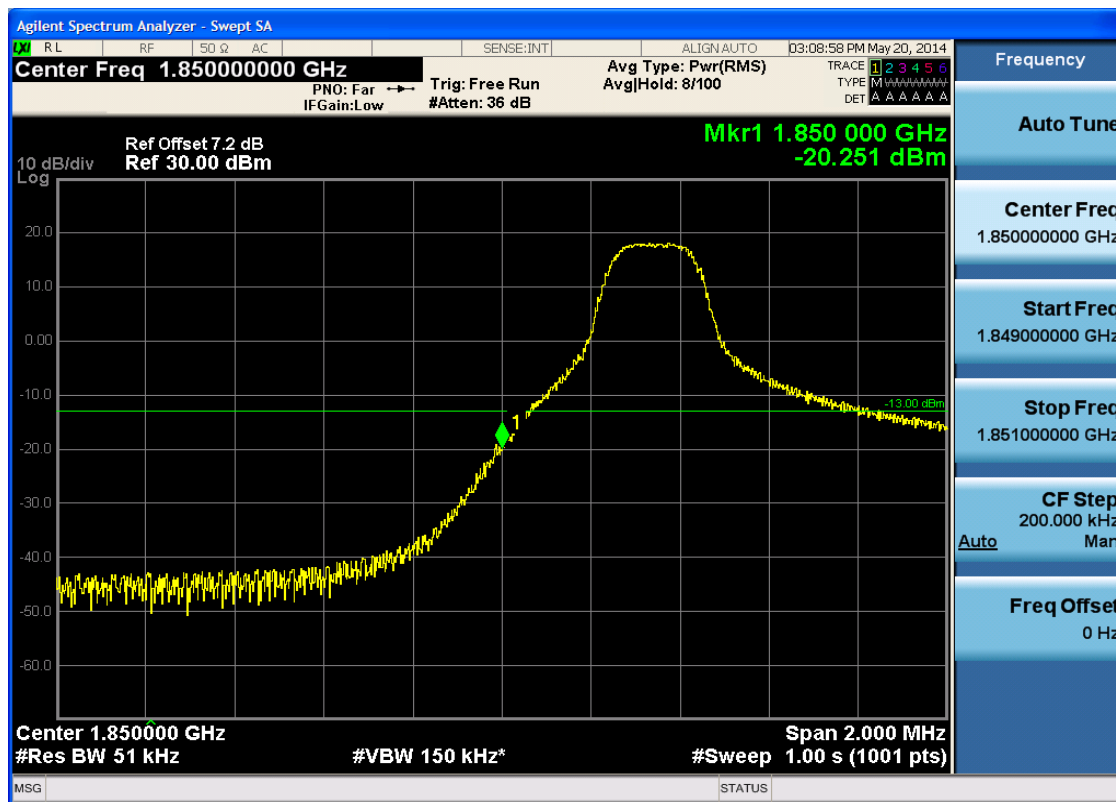


### 5.3.1.2 Test Mode = LTE/TM2

#### 5.3.1.2.1 Test Bandwidth = 5

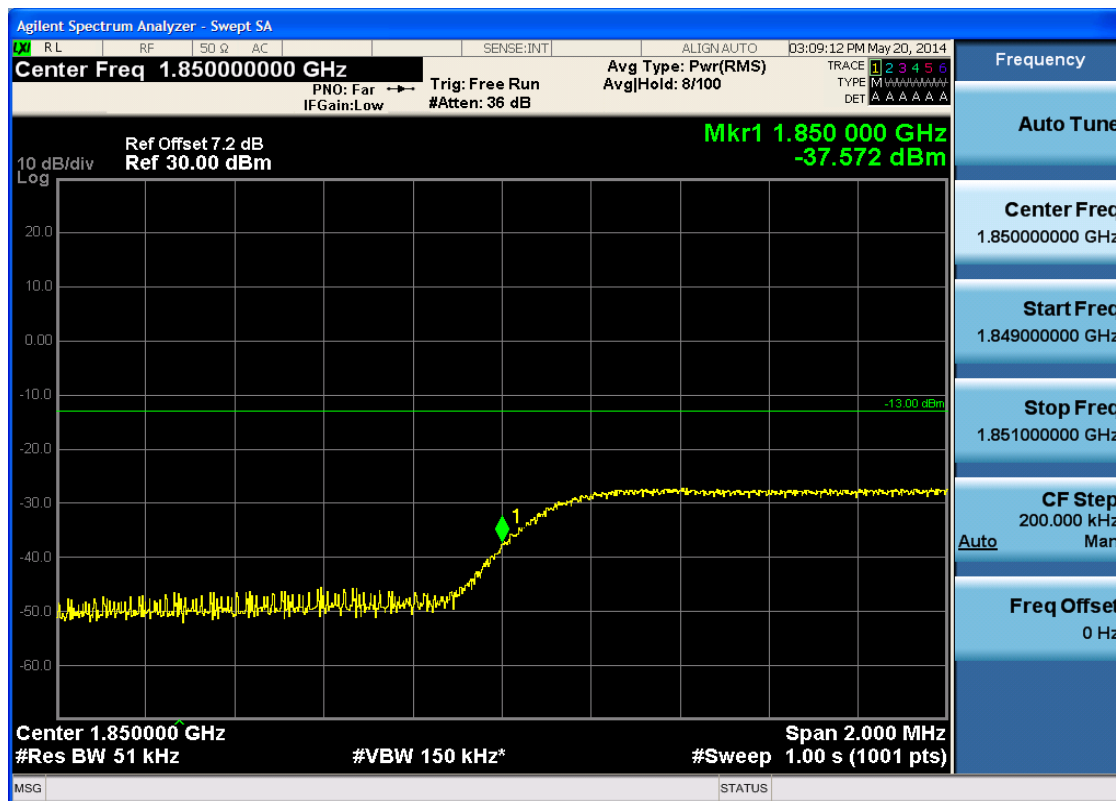
##### 5.3.1.2.1.1 Test Channel = LCH

##### 5.3.1.2.1.1.1 Test RB = RB1#0





## 5.3.1.2.1.1.2 Test RB = RB1#24



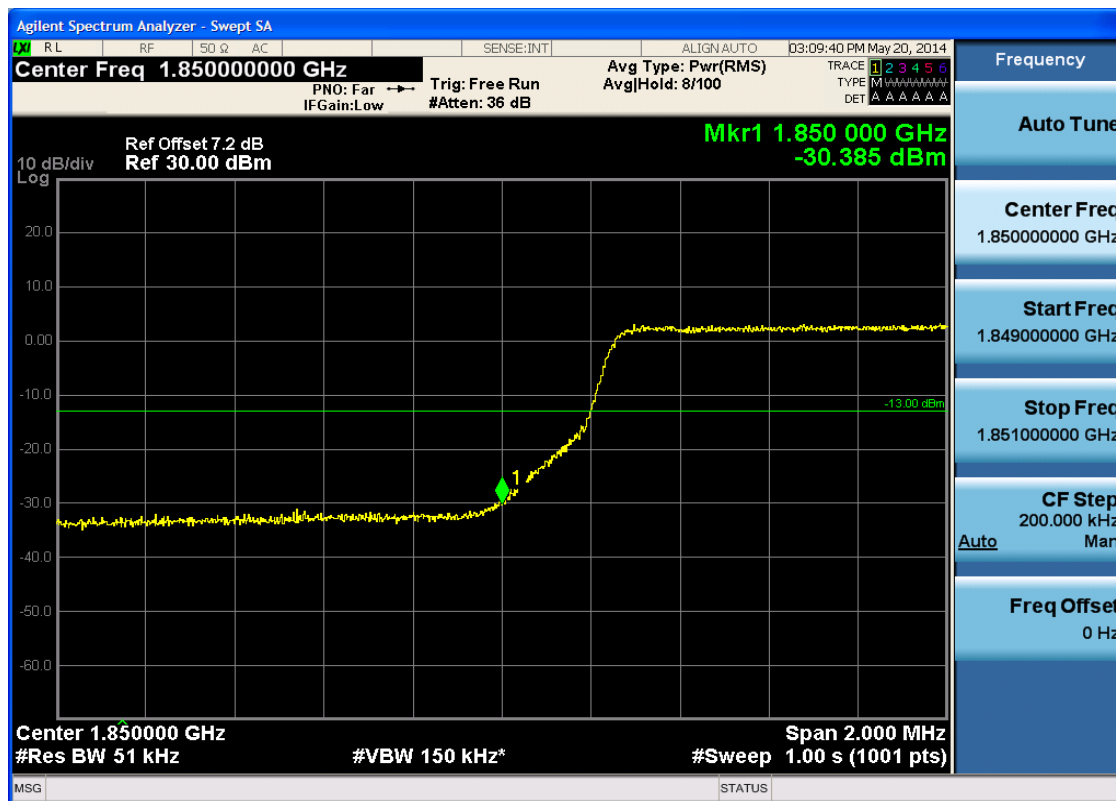


## 5.3.1.2.1.1.3 Test RB = RB12#6





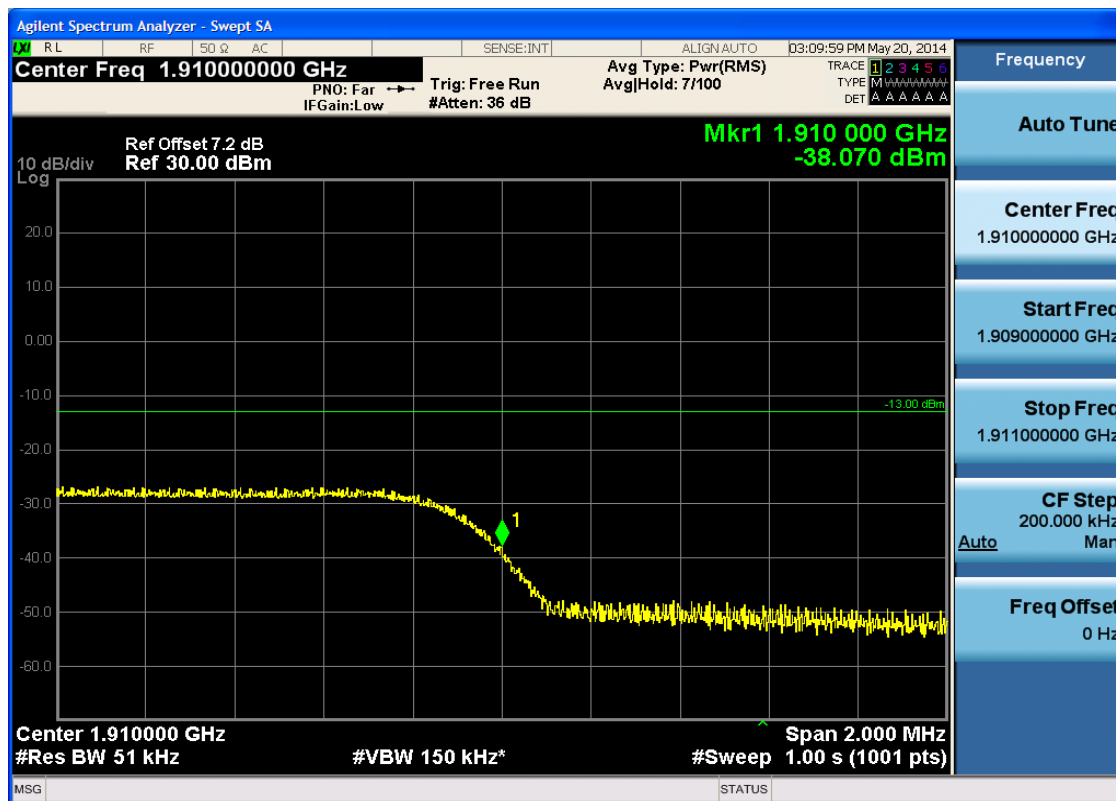
## 5.3.1.2.1.1.4 Test RB = RB25#0





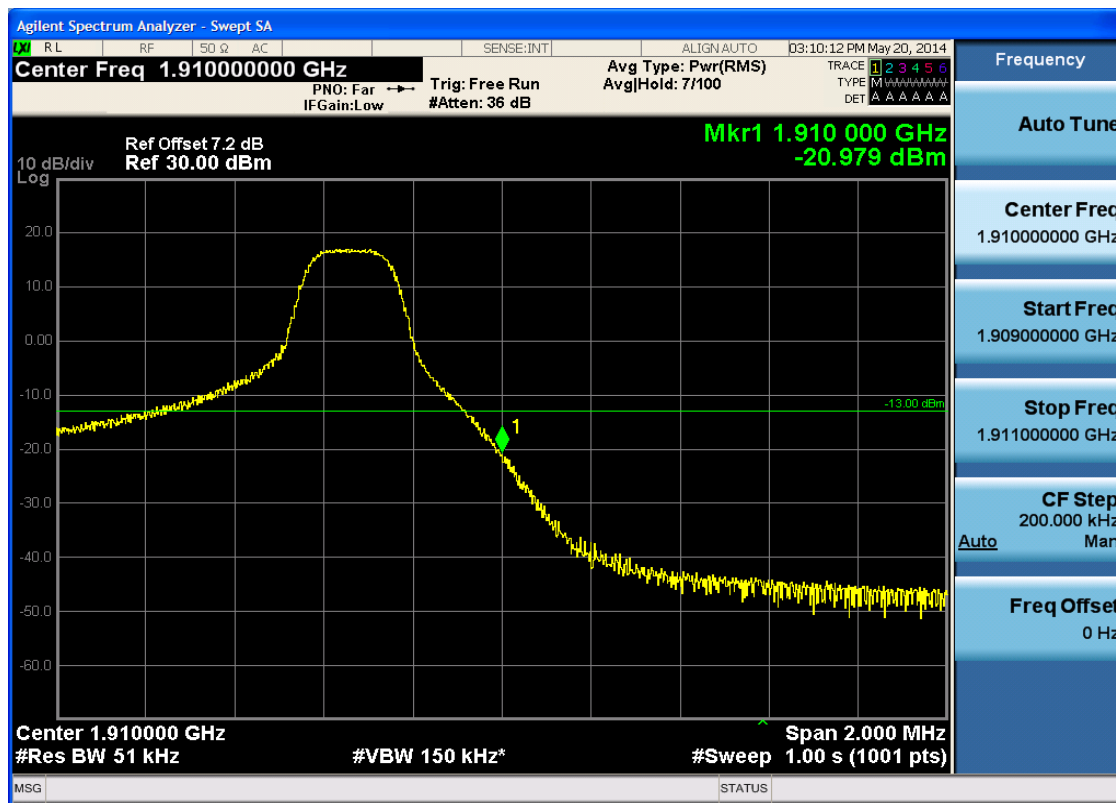
## 5.3.1.2.1.2 Test Channel = HCH

## 5.3.1.2.1.2.1 Test RB = RB1#0





## 5.3.1.2.1.2.2 Test RB = RB1#24





## 5.3.1.2.1.2.3 Test RB = RB12#6





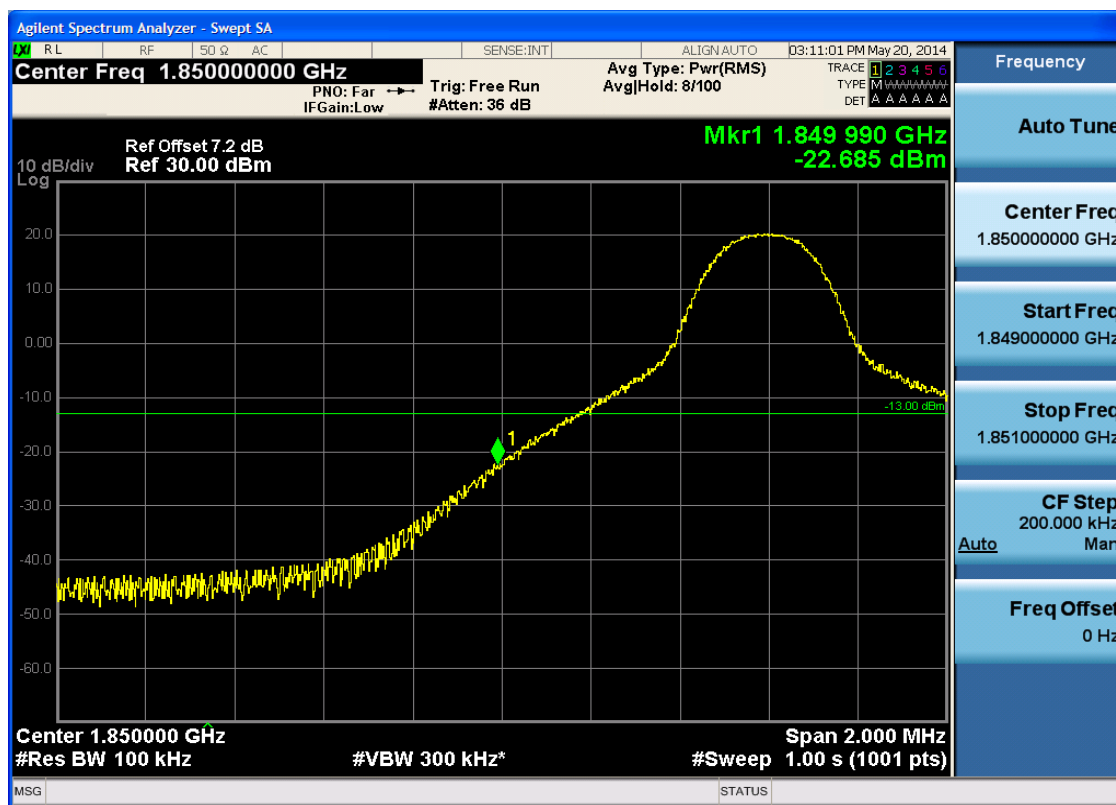
## 5.3.1.2.1.2.4 Test RB = RB25#0



### 5.3.1.2.2 Test Bandwidth = 10

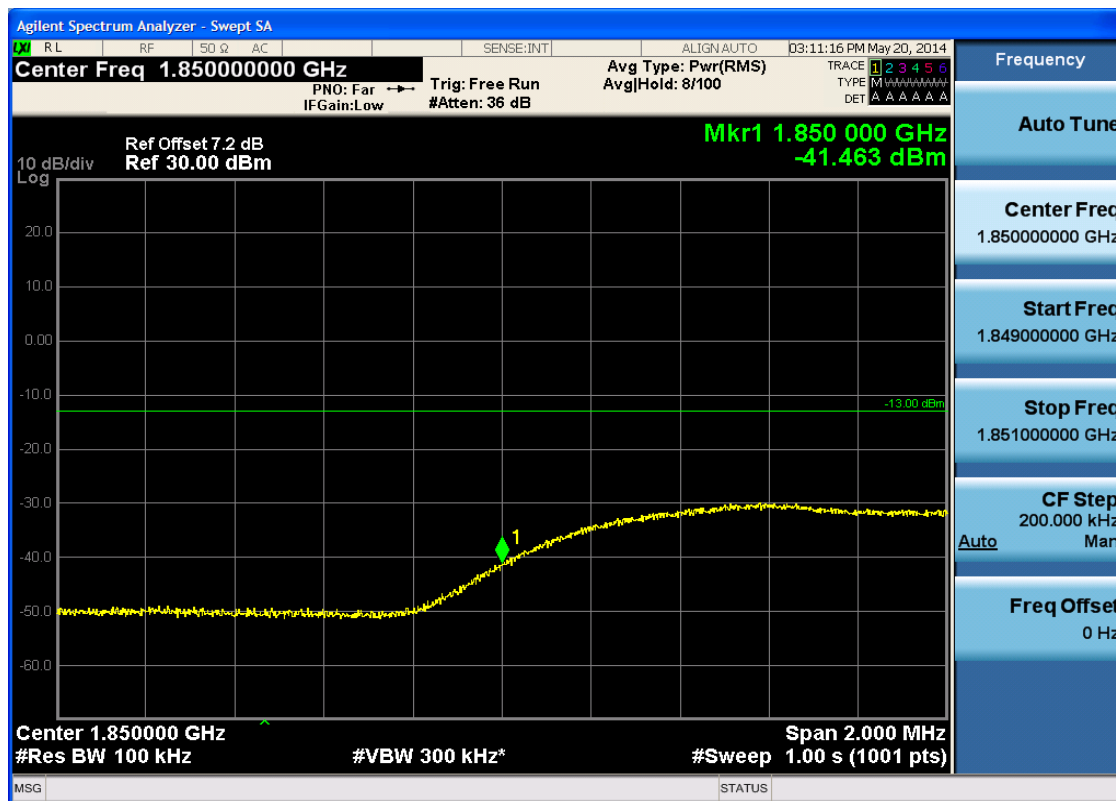
#### 5.3.1.2.2.1 Test Channel = LCH

##### 5.3.1.2.2.1.1 Test RB = RB1#0



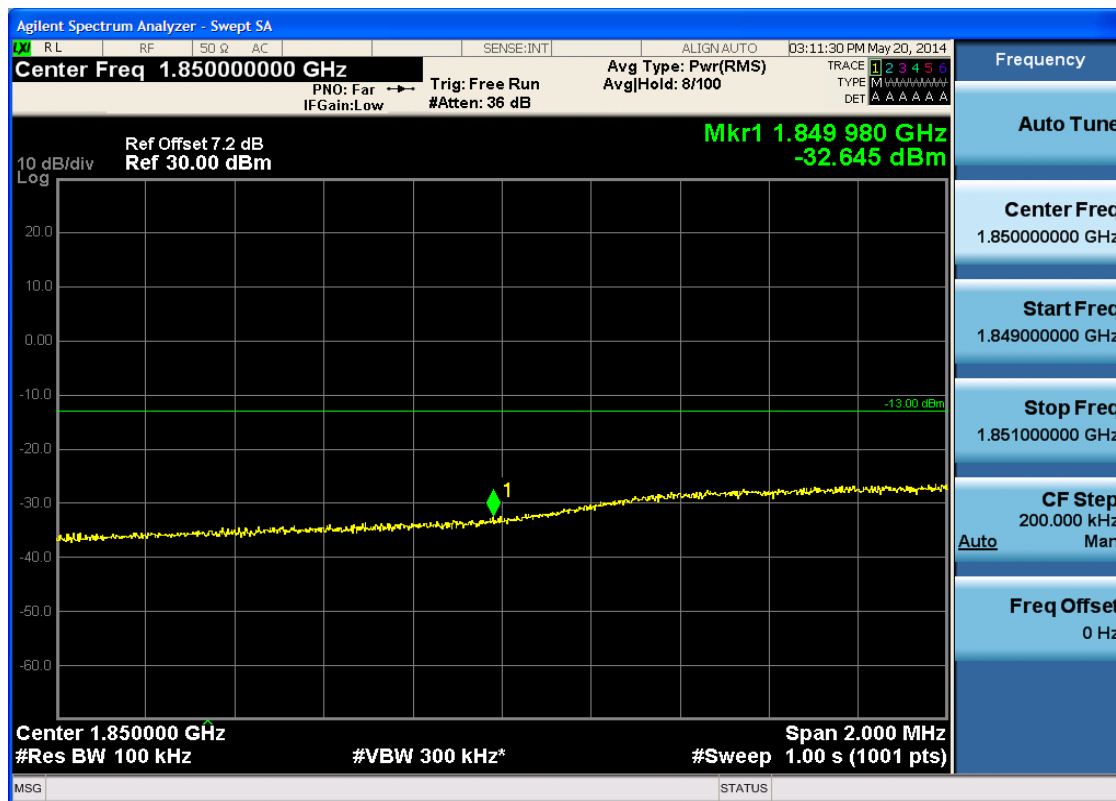


## 5.3.1.2.2.1.2 Test RB = RB1#49



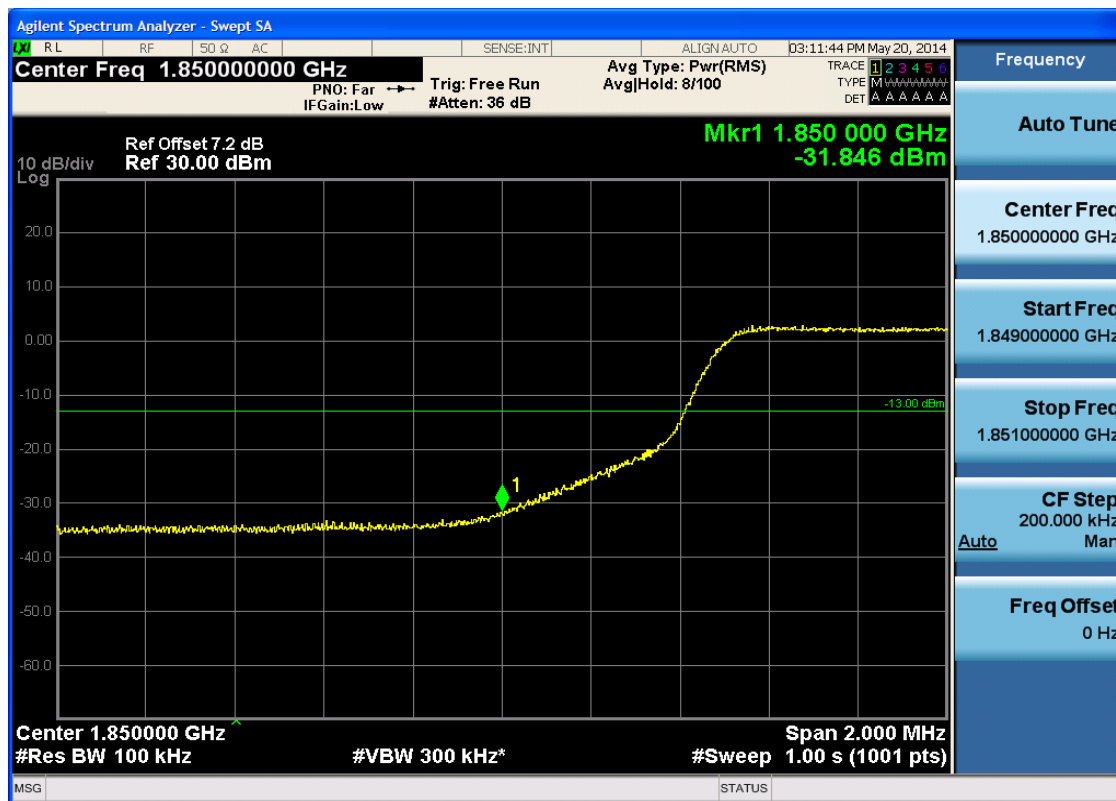


## 5.3.1.2.2.1.3 Test RB = RB25#13





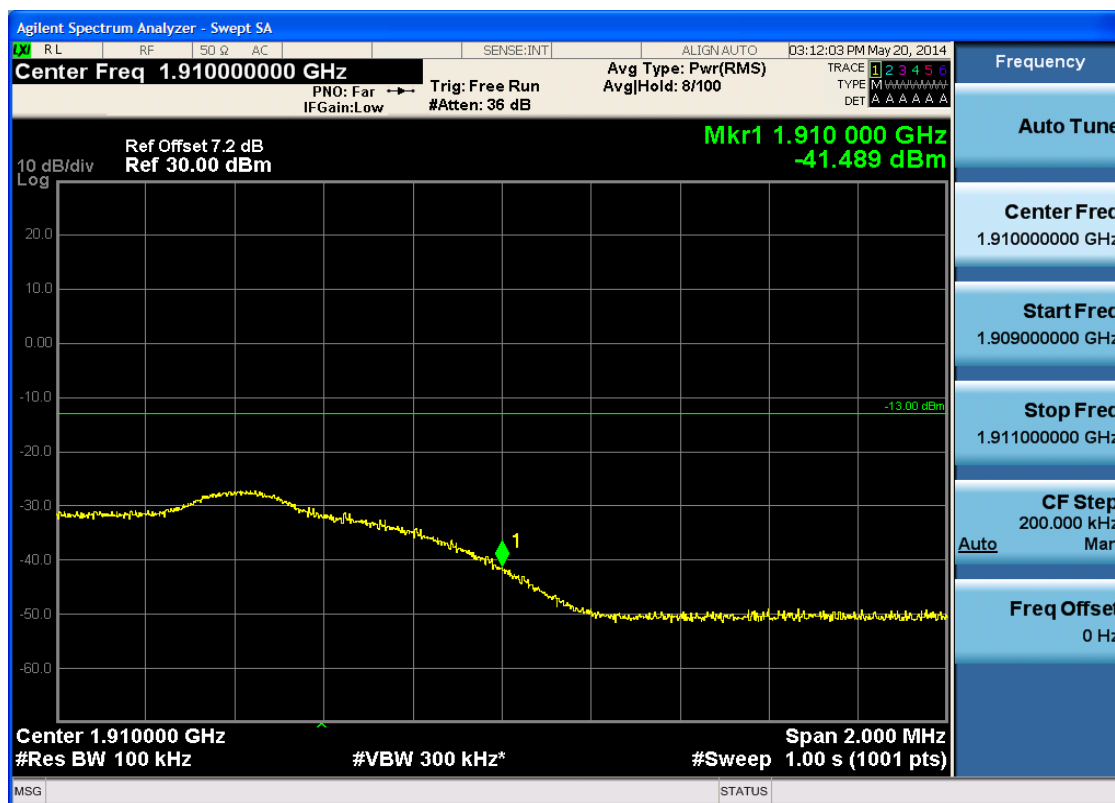
## 5.3.1.2.2.1.4 Test RB = RB50#0





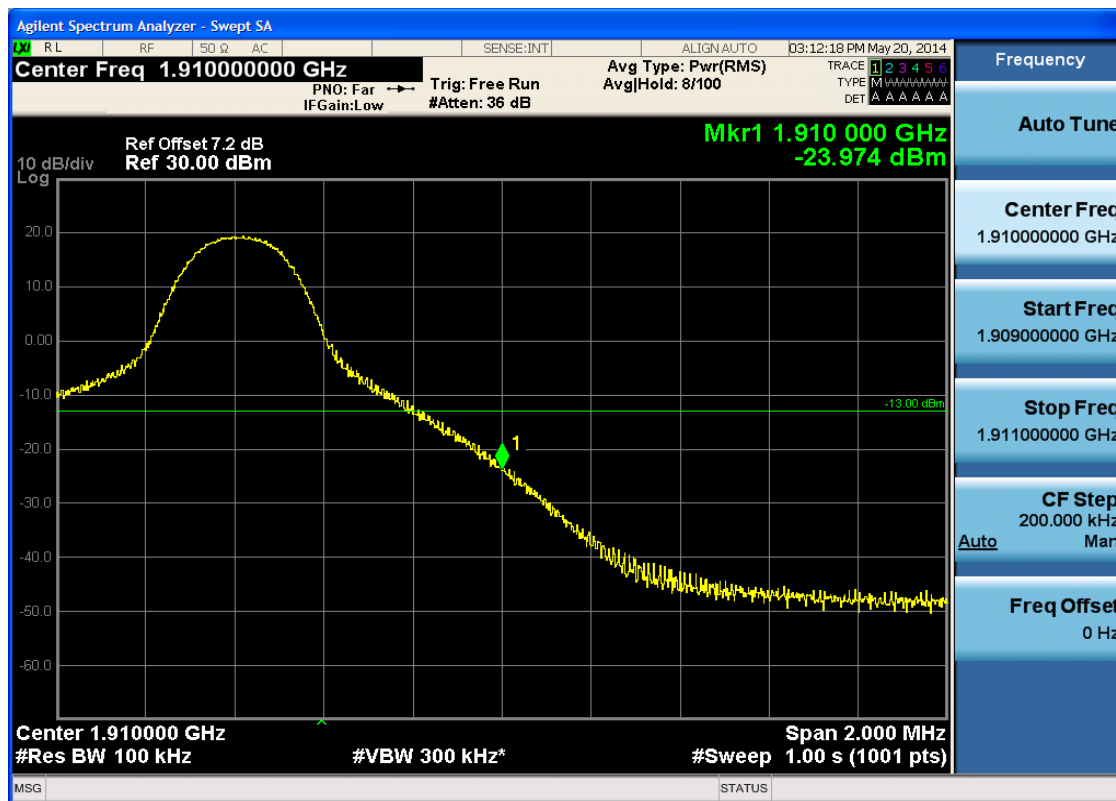
## 5.3.1.2.2.2 Test Channel = HCH

## 5.3.1.2.2.2.1 Test RB = RB1#0



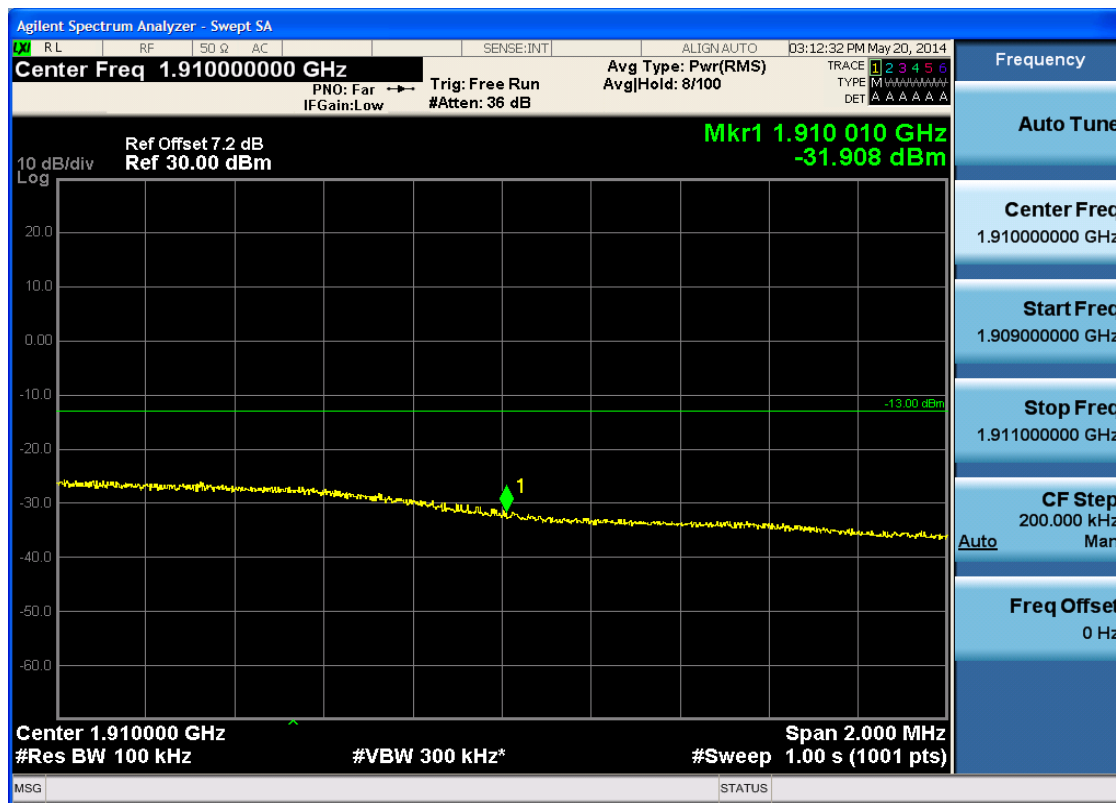


## 5.3.1.2.2.2 Test RB = RB1#49





## 5.3.1.2.2.3 Test RB = RB25#13





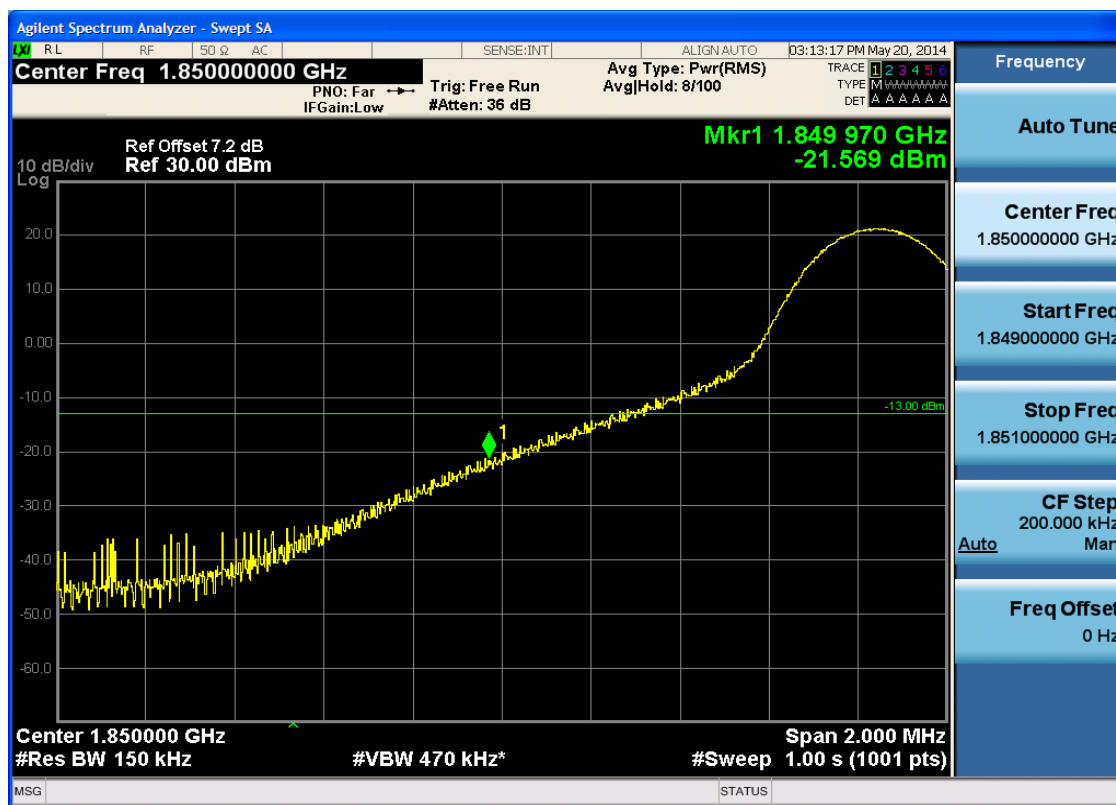
## 5.3.1.2.2.4 Test RB = RB50#0



### 5.3.1.2.3 Test Bandwidth = 15

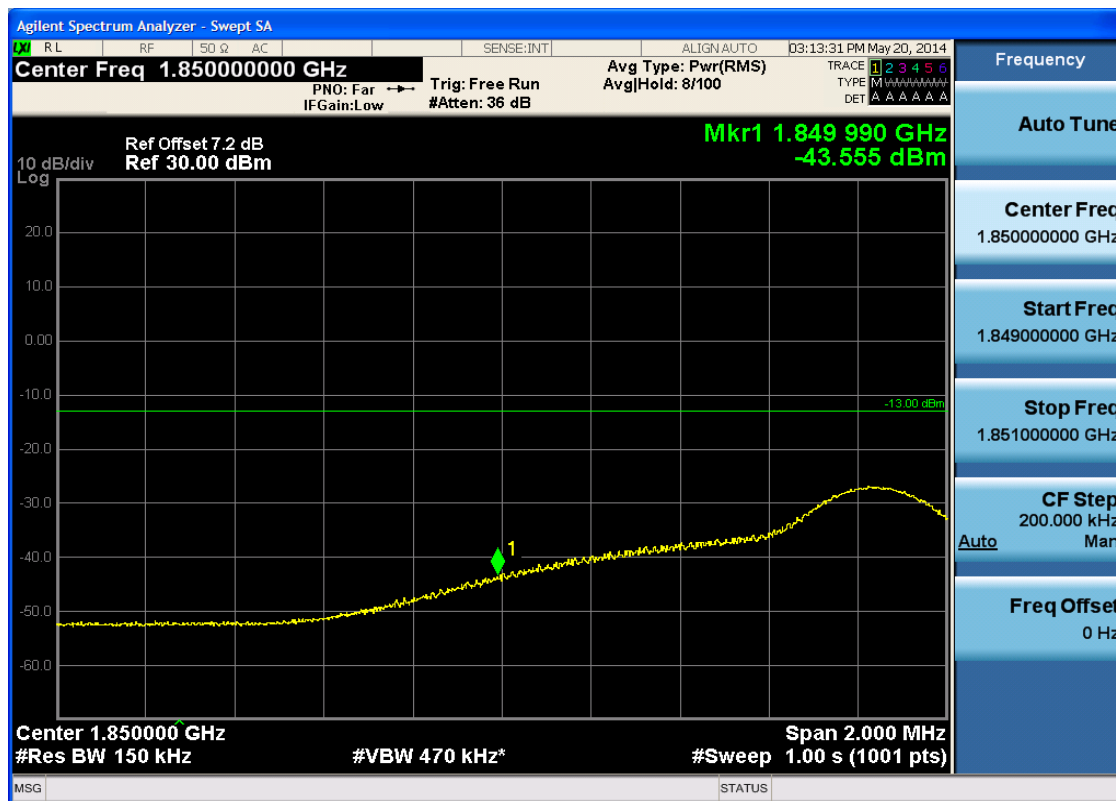
#### 5.3.1.2.3.1 Test Channel = LCH

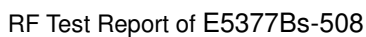
##### 5.3.1.2.3.1.1 Test RB = RB1#0





## 5.3.1.2.3.1.2 Test RB = RB1#74





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN:AUTO 03:13:45 PM May 20, 2014

Center Freq 1.850000000 GHz PNO: Far Trig: Free Run Avg Type: Pwr(RMS) TRACE 1 2 3 4 5 6  
IFGain:Low #Atten: 36 dB AvgHold: 8/100 TYPE M A A A A A A A  
DET A A A A A A A A

Ref Offset 7.2 dB Mkr1 1.849 990 GHz  
Ref 30.00 dBm -35.863 dBm

10 dB/div Log

-13.00 dBm

Center 1.850000 GHz Span 2.000 MHz  
#Res BW 150 kHz #VBW 470 kHz\* #Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq 1.850000000 GHz

Start Freq 1.849000000 GHz

Stop Freq 1.851000000 GHz

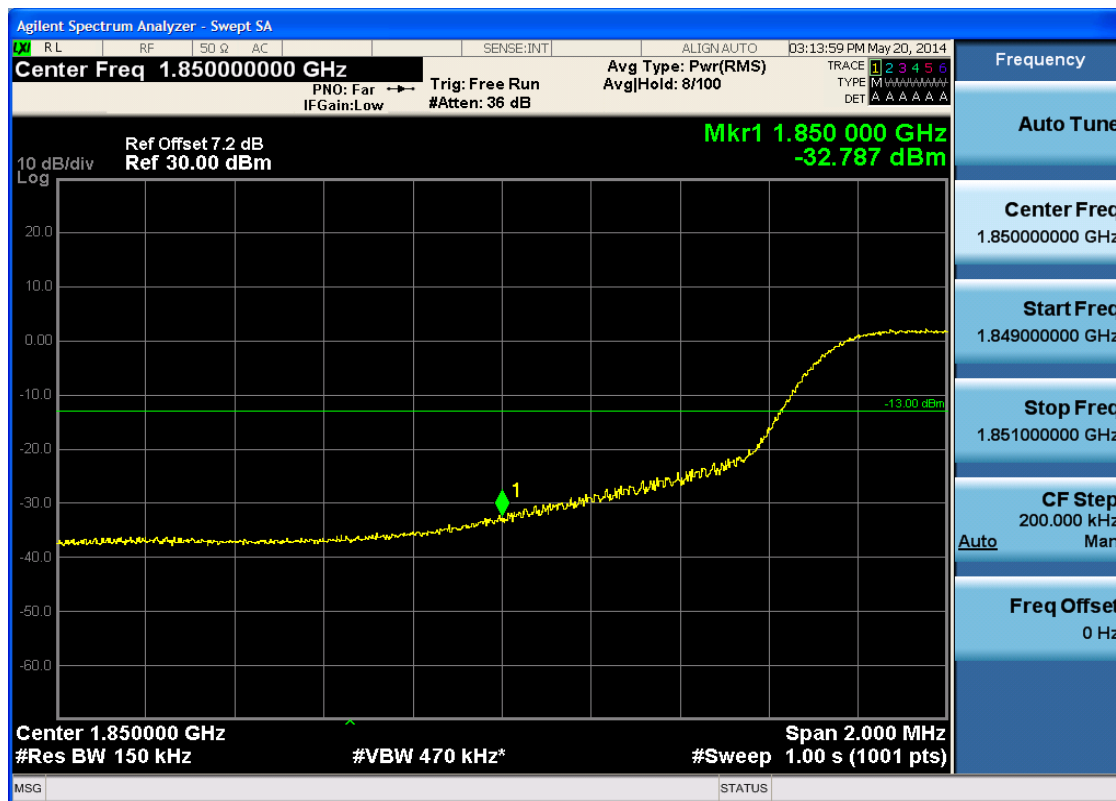
CF Step 200.000 kHz

Auto Mar

Freq Offset 0 Hz



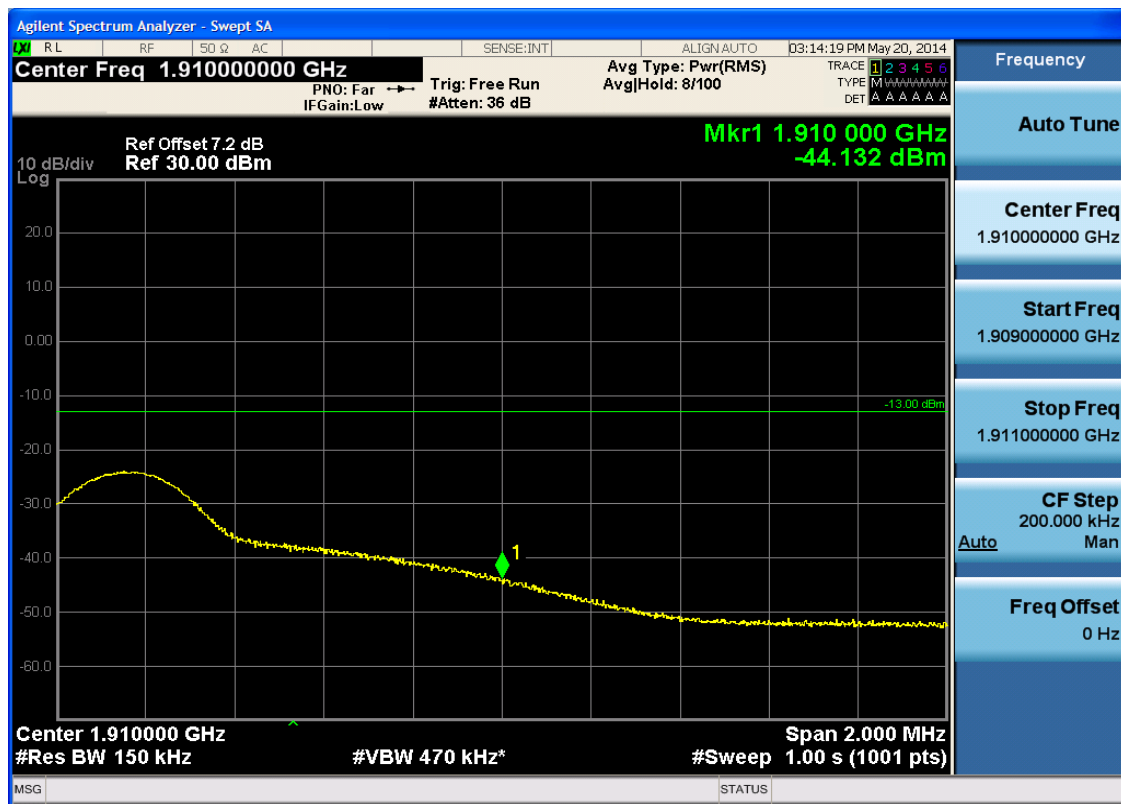
## 5.3.1.2.3.1.4 Test RB = RB75#0





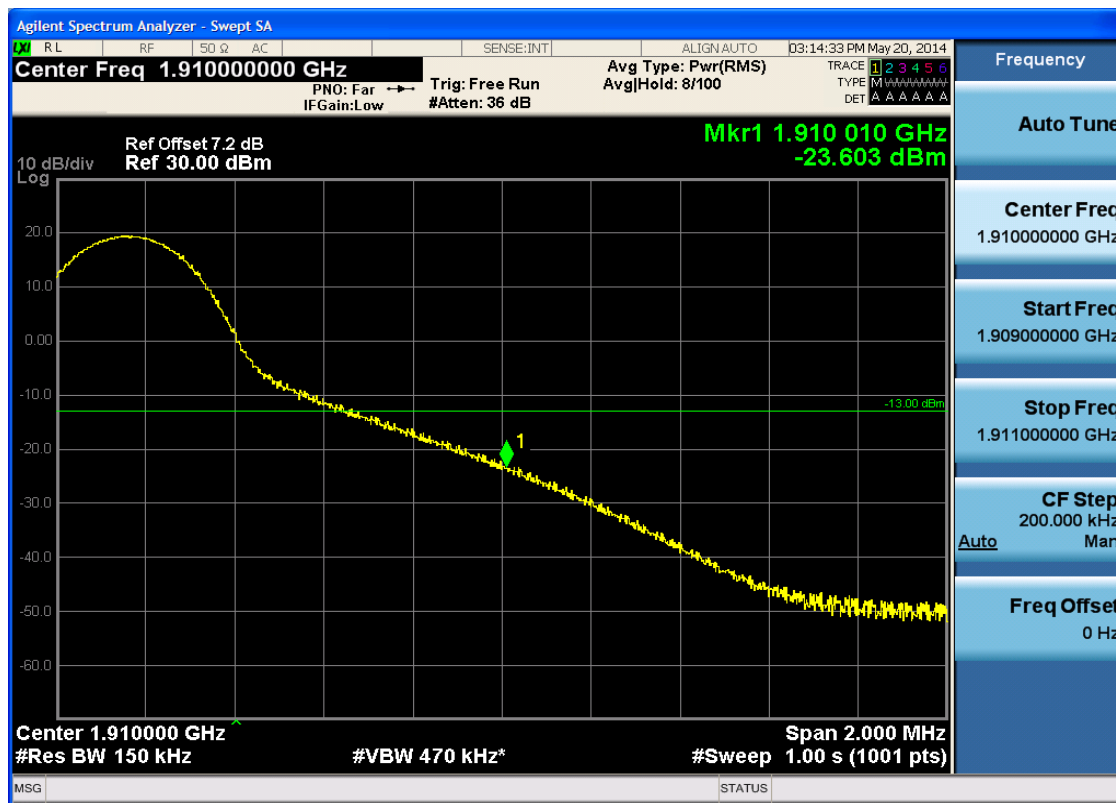
## 5.3.1.2.3.2 Test Channel = HCH

## 5.3.1.2.3.2.1 Test RB = RB1#0



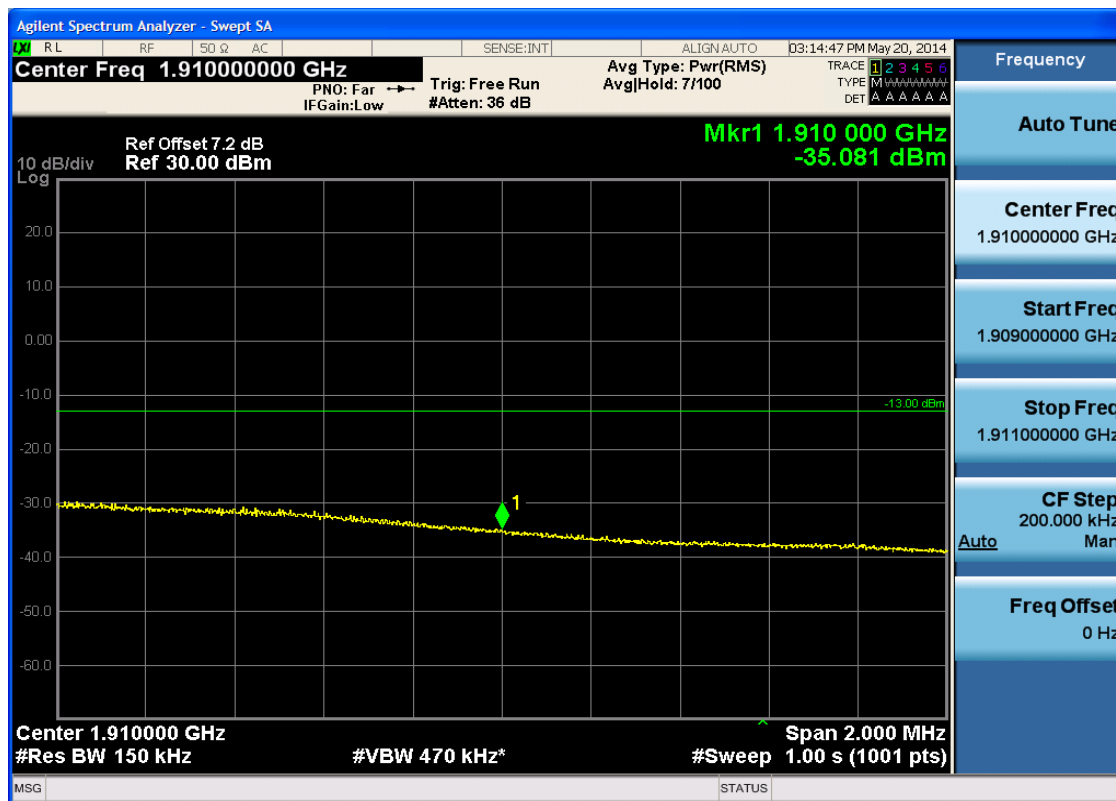


## 5.3.1.2.3.2.2 Test RB = RB1#74





## 5.3.1.2.3.2.3 Test RB = RB36#18





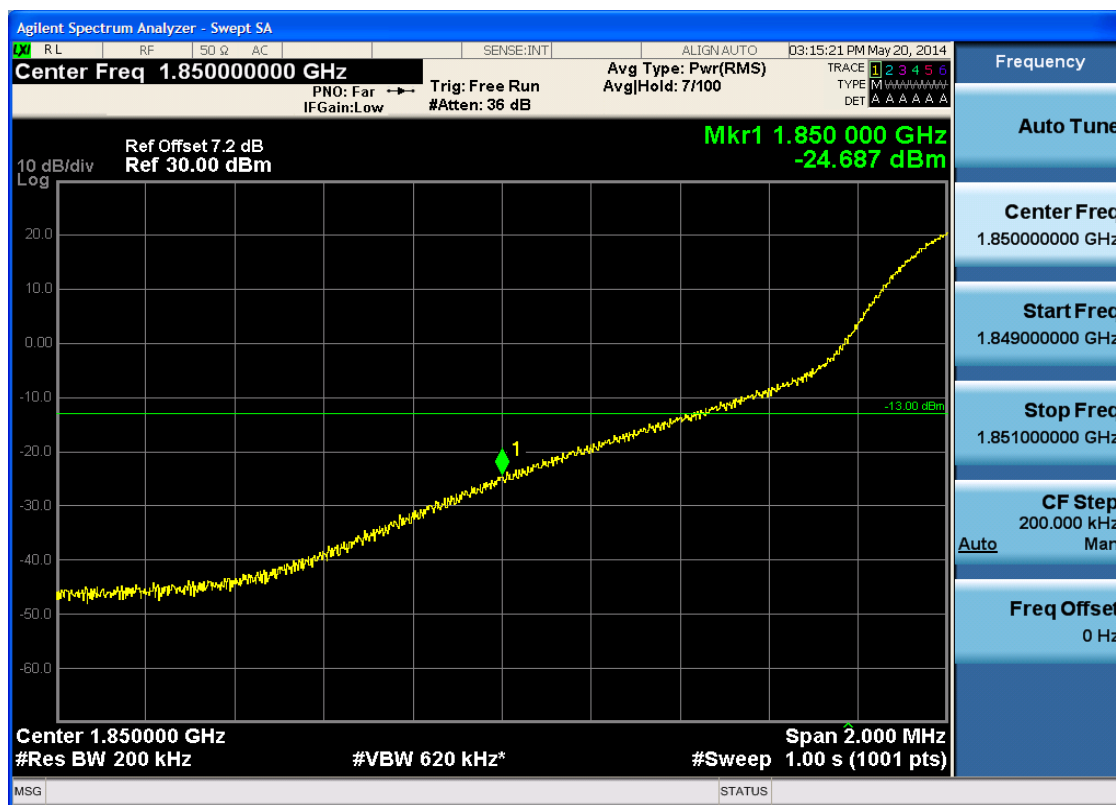
## 5.3.1.2.3.2.4 Test RB = RB75#0



### 5.3.1.2.4 Test Bandwidth = 20

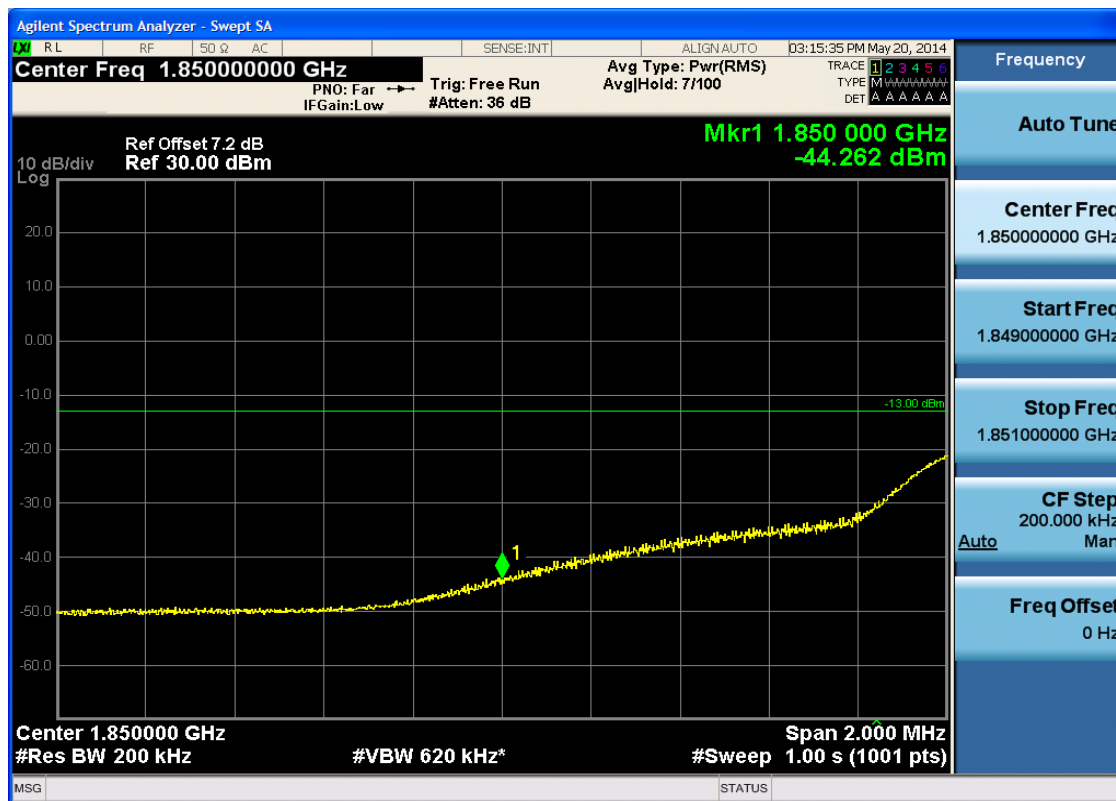
#### 5.3.1.2.4.1 Test Channel = LCH

##### 5.3.1.2.4.1.1 Test RB = RB1#0





## 5.3.1.2.4.1.2 Test RB = RB1#99



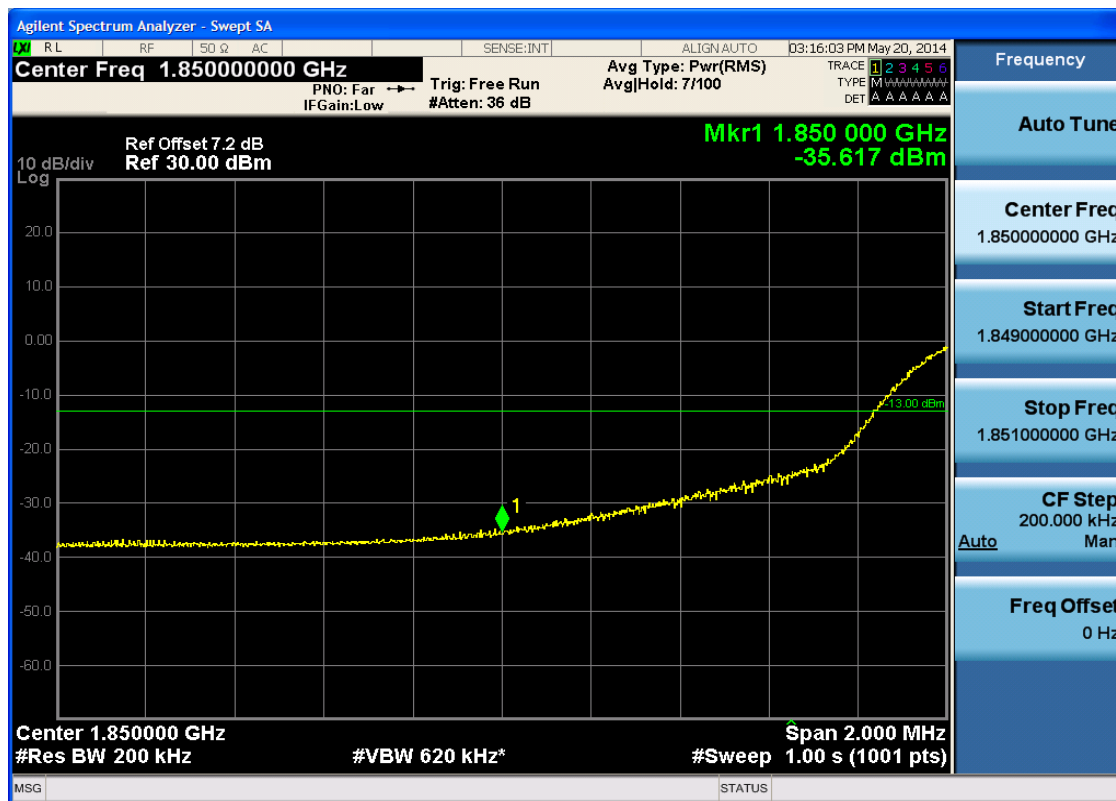


## 5.3.1.2.4.1.3 Test RB = RB50#25





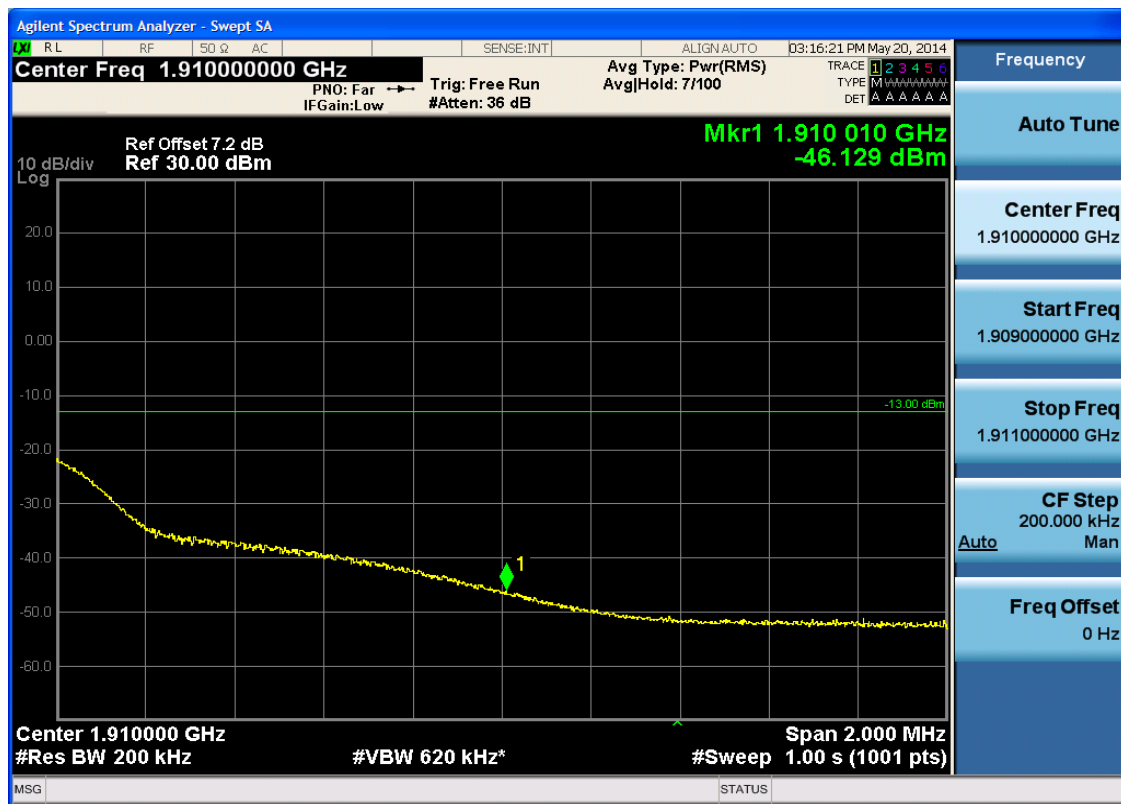
## 5.3.1.2.4.1.4 Test RB = RB100#0





## 5.3.1.2.4.2 Test Channel = HCH

## 5.3.1.2.4.2.1 Test RB = RB1#0





## 5.3.1.2.4.2.2 Test RB = RB1#99





## 5.3.1.2.4.2.3 Test RB = RB50#25





## 5.3.1.2.4.2.4 Test RB = RB100#0



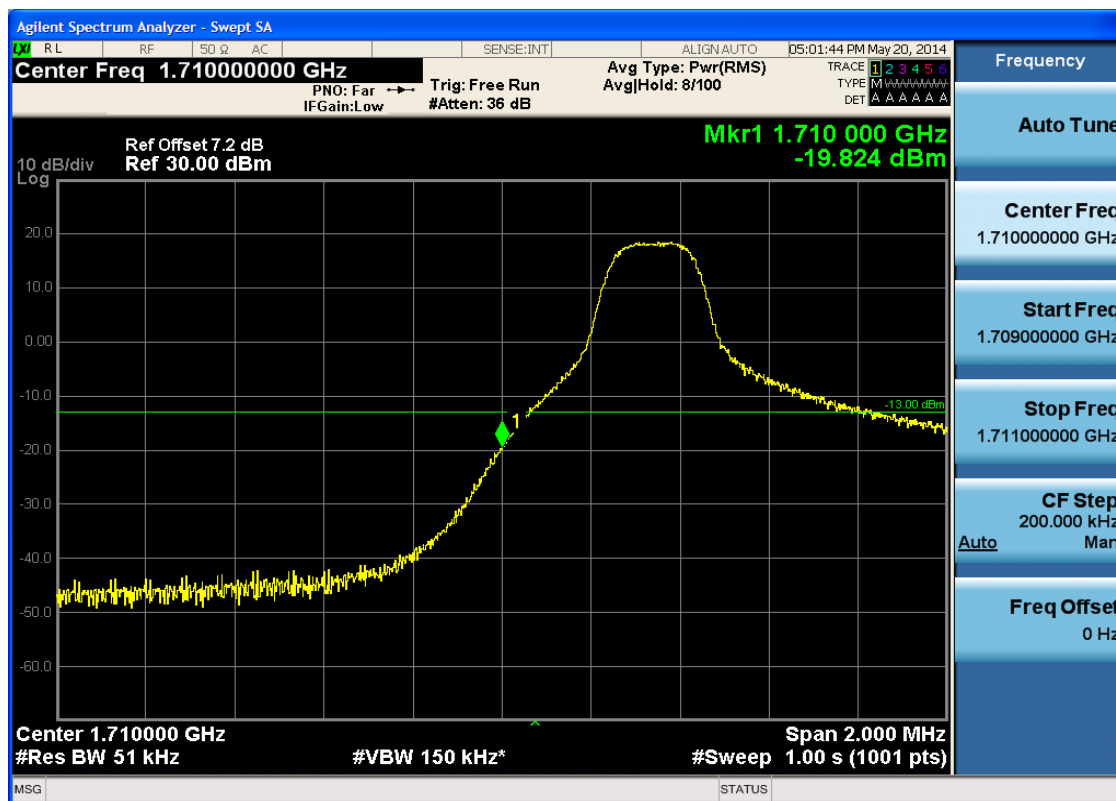
### 5.3.2 Test Band = BAND4

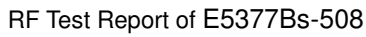
#### 5.3.2.1 Test Mode = LTE/TM1

##### 5.3.2.1.1 Test Bandwidth = 5

##### 5.3.2.1.1.1 Test Channel = LCH

##### 5.3.2.1.1.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

**Center Freq 1.71000000 GHz**

PNO: Far → Trig: Free Run  
IFGain: Low #Atten: 36 dB

Avg Type: Pwr(RMS) Avg|Hold: 8/100

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

Ref Offset 7.2 dB  
Ref 30.00 dBm

Mkr1 1.710 000 GHz  
-37.866 dBm

10 dB/div  
Log

-13.00 dBm

**Center 1.710000 GHz**  
**#Res BW 51 kHz**

**#VBW 150 kHz\***

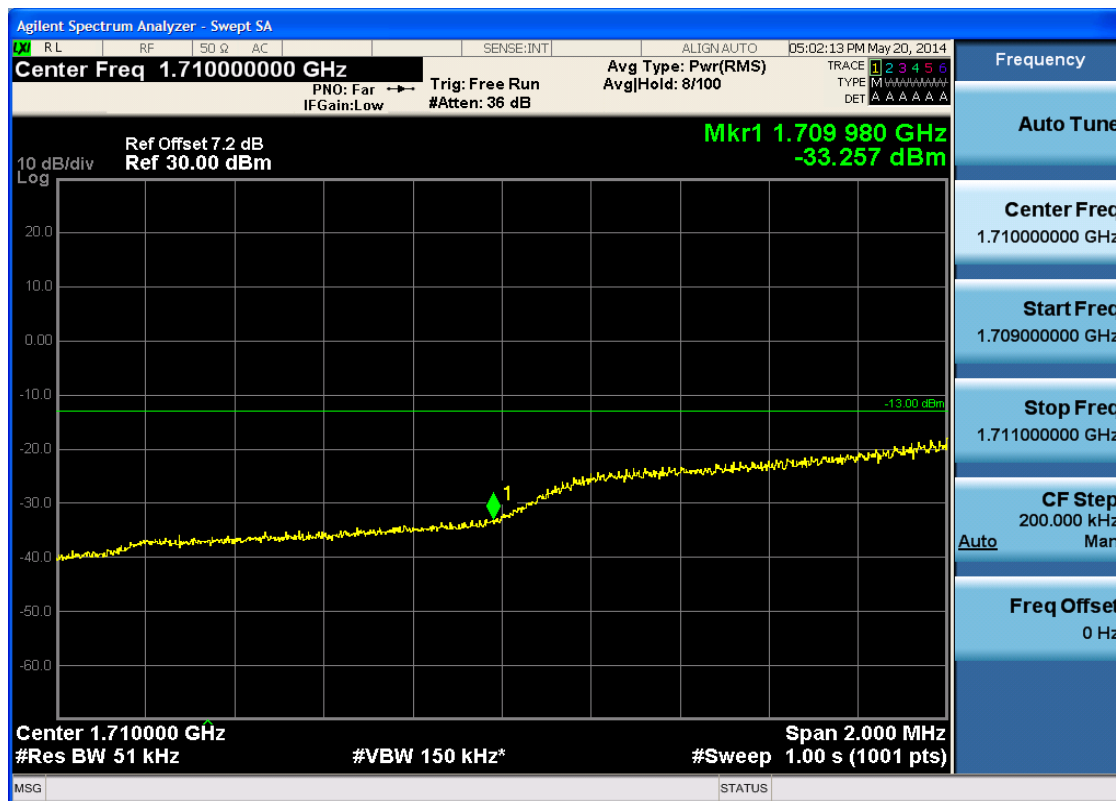
**Span 2.000 MHz**  
**#Sweep 1.00 s (1001 pts)**

MSG STATUS

| Frequency                      |
|--------------------------------|
| Auto Tune                      |
| Center Freq<br>1.710000000 GHz |
| Start Freq<br>1.709000000 GHz  |
| Stop Freq<br>1.711000000 GHz   |
| CF Step<br>200.000 kHz<br>Man  |
| Freq Offset<br>0 Hz            |

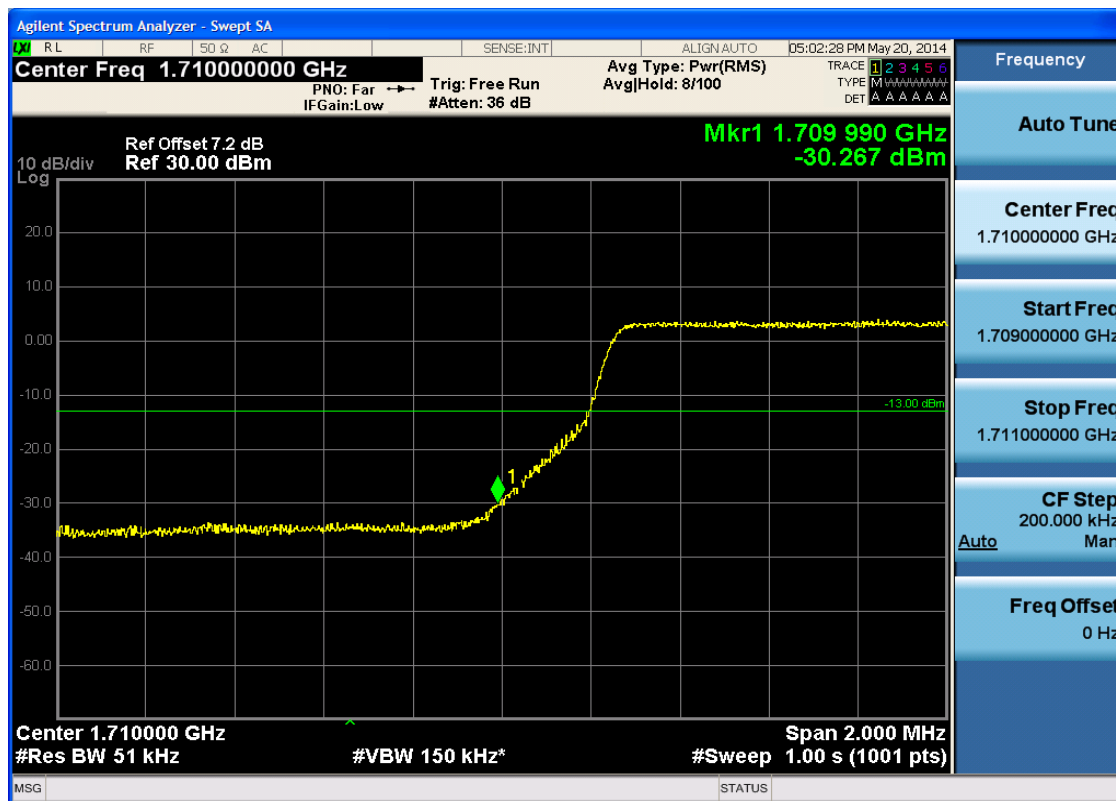


## 5.3.2.1.1.1.3 Test RB = RB12#6





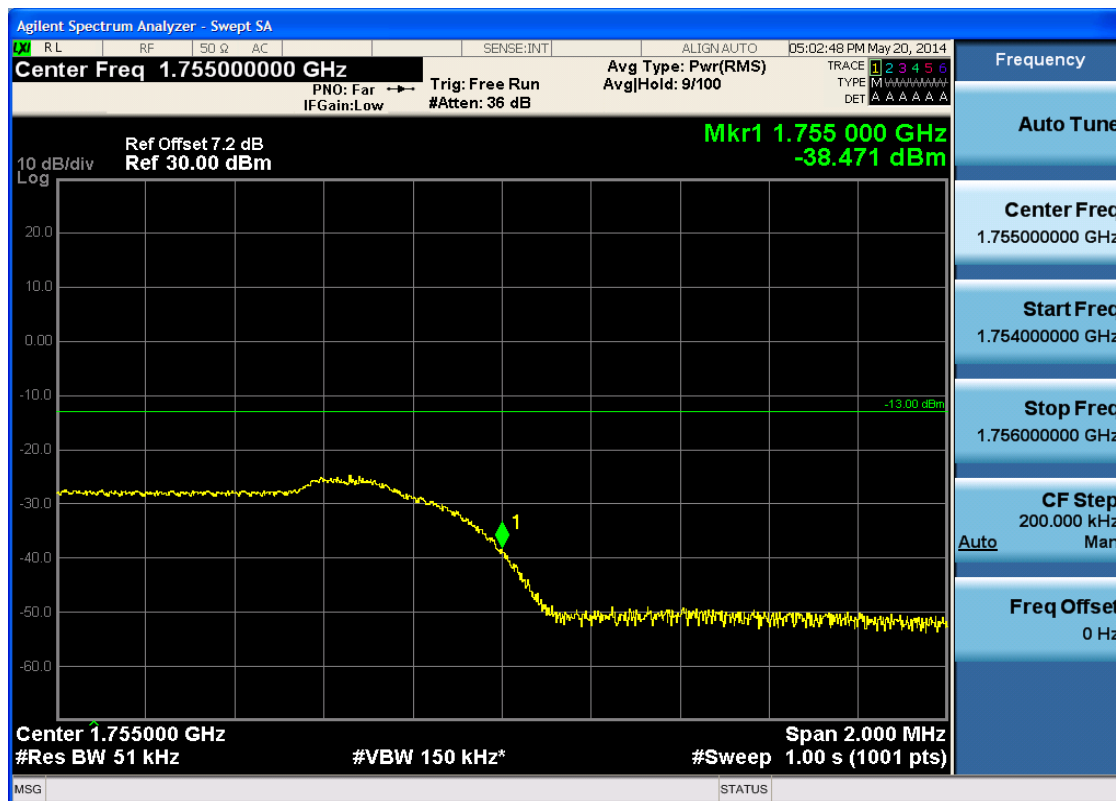
## 5.3.2.1.1.1.4 Test RB = RB25#0

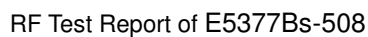




## 5.3.2.1.1.2 Test Channel = HCH

## 5.3.2.1.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN:AUTO 05:03:03 PM May 20, 2014

Center Freq 1.75500000 GHz

PNO: Far Trig: Free Run Avg Type: Pwr(RMS) TRACE 1 2 3 4 5 6  
IFGain:Low #Atten: 36 dB AvgHold: 9/100 TYPE M DET A A A A A A

Ref Offset 7.2 dB Mkr1 1.755 000 GHz  
Ref 30.00 dBm -18.767 dBm

10 dB/div Log

20.0  
10.0  
0.00  
-10.0  
-20.0  
-30.0  
-40.0  
-50.0  
-60.0

Ref 30.00 dBm

-13.00 dBm

1

Center 1.755000 GHz Span 2.000 MHz  
#Res BW 51 kHz #VBW 150 kHz\* #Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq 1.75500000 GHz

Start Freq 1.754000000 GHz

Stop Freq 1.756000000 GHz

CF Step 200.000 kHz Mar

Auto

Freq Offset 0 Hz



## 5.3.2.1.1.2.3 Test RB = RB12#6





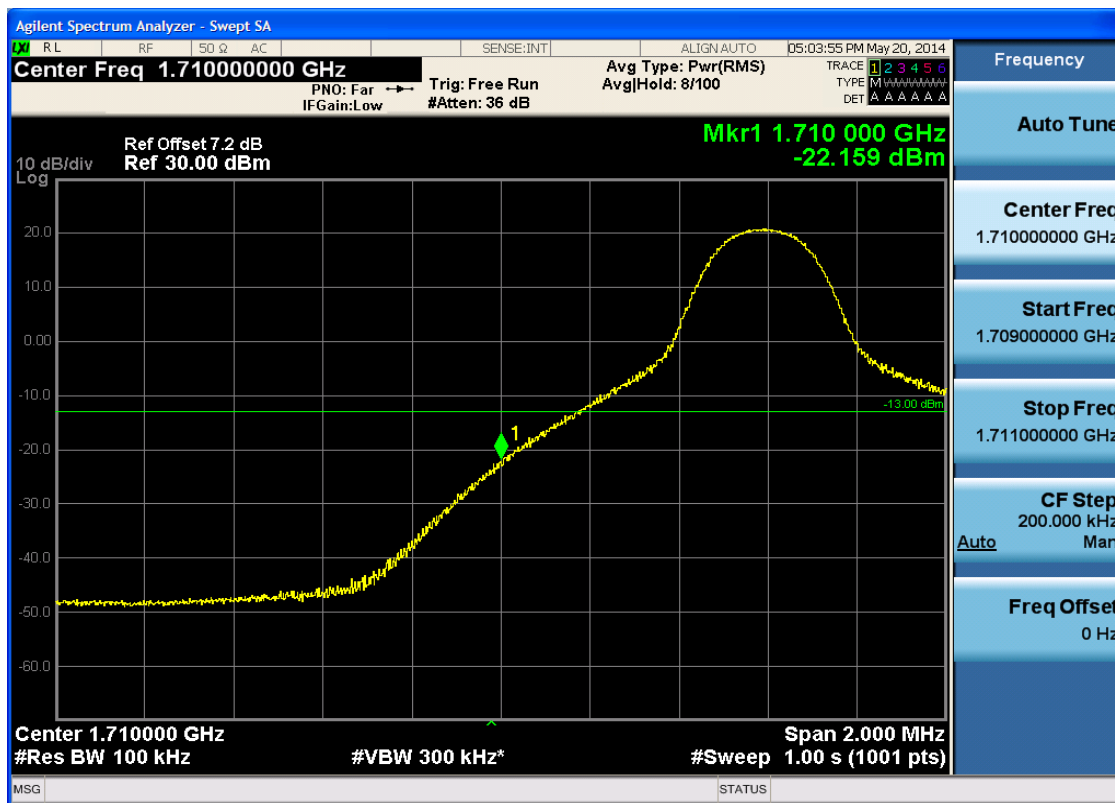
## 5.3.2.1.1.2.4 Test RB = RB25#0



### 5.3.2.1.2 Test Bandwidth = 10

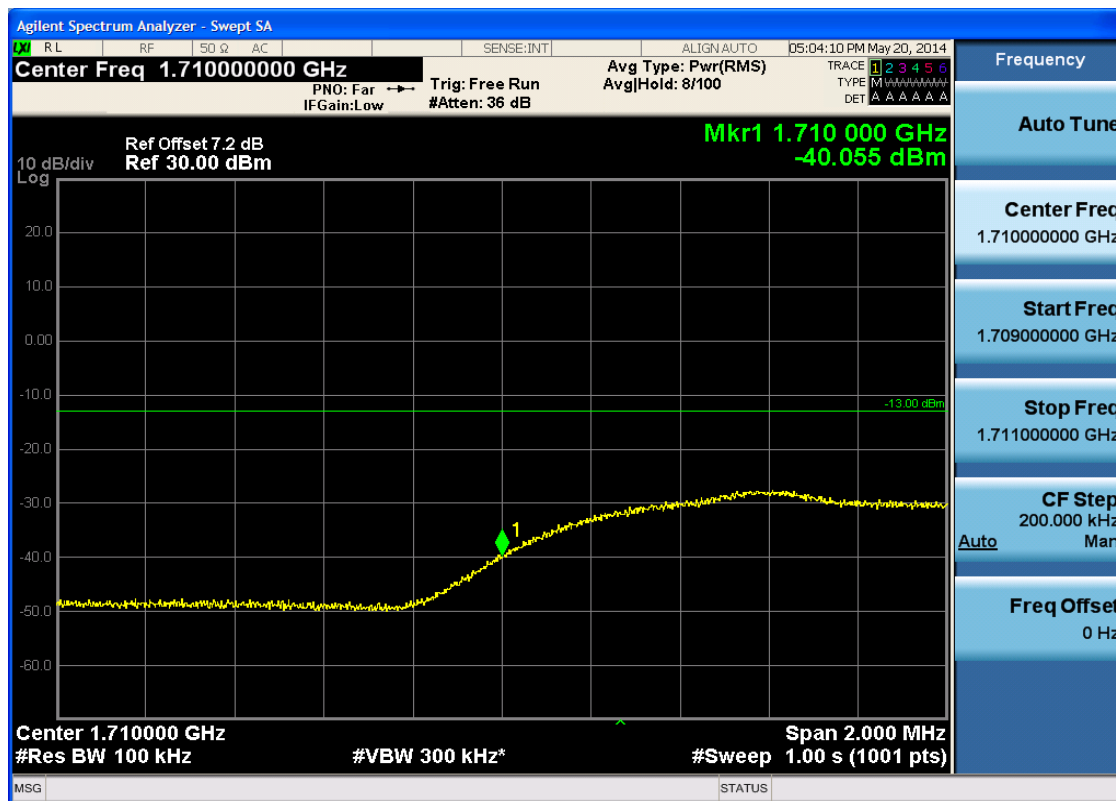
#### 5.3.2.1.2.1 Test Channel = LCH

##### 5.3.2.1.2.1.1 Test RB = RB1#0



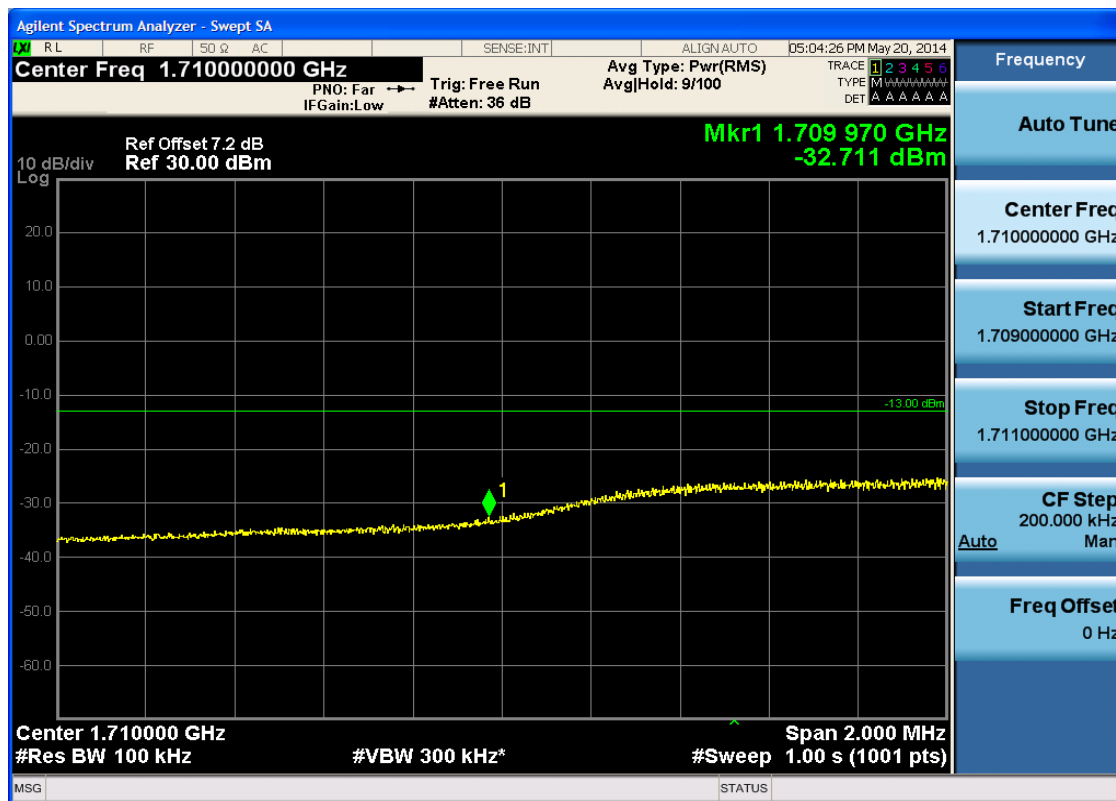


## 5.3.2.1.2.1.2 Test RB = RB1#49



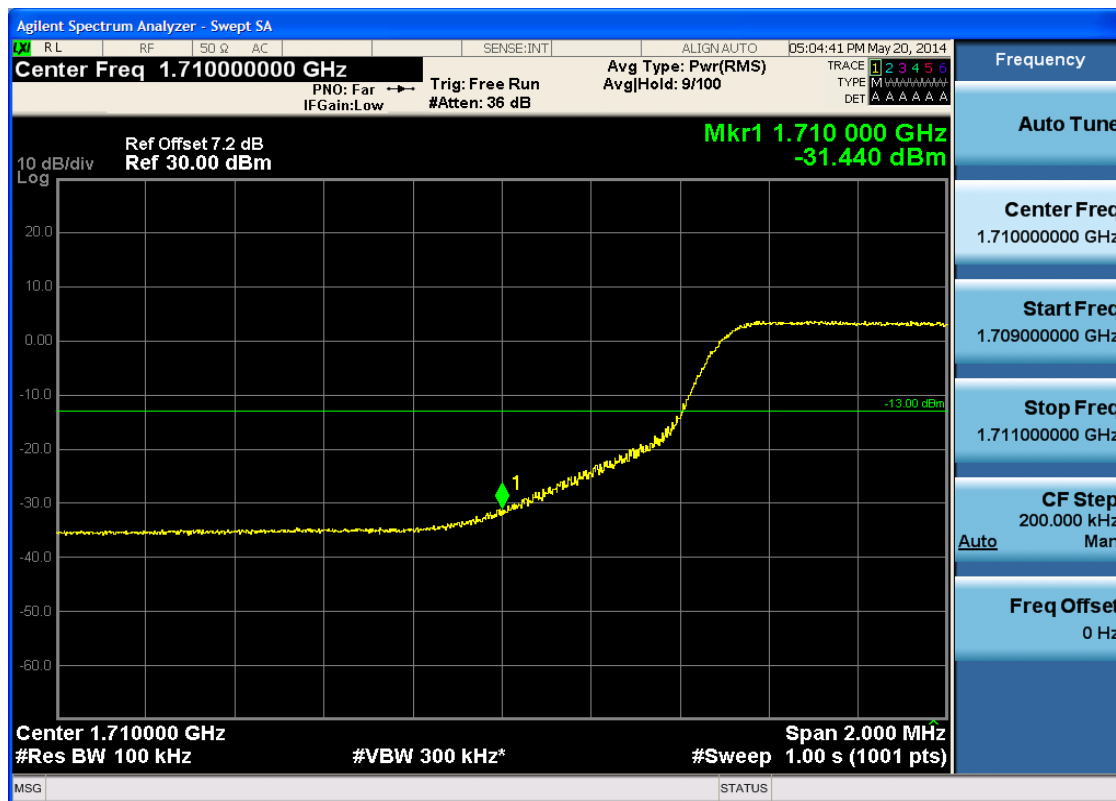


## 5.3.2.1.2.1.3 Test RB = RB25#13





## 5.3.2.1.2.1.4 Test RB = RB50#0





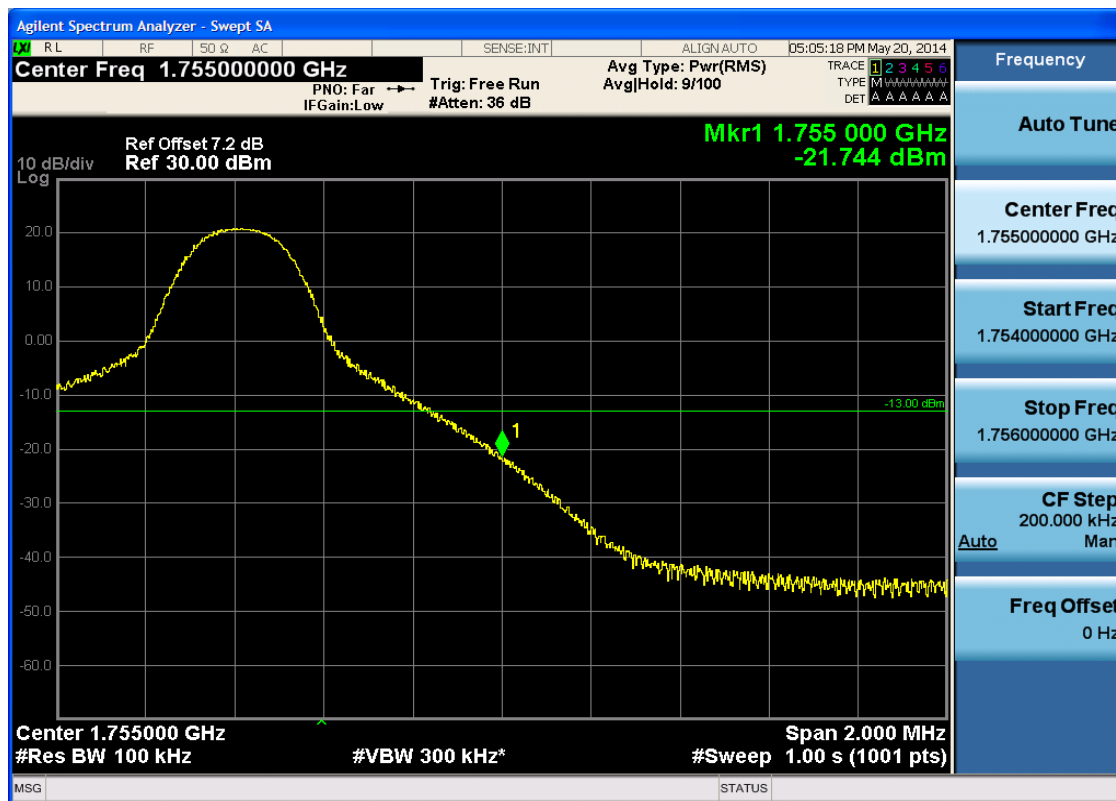
## 5.3.2.1.2.2 Test Channel = HCH

## 5.3.2.1.2.2.1 Test RB = RB1#0



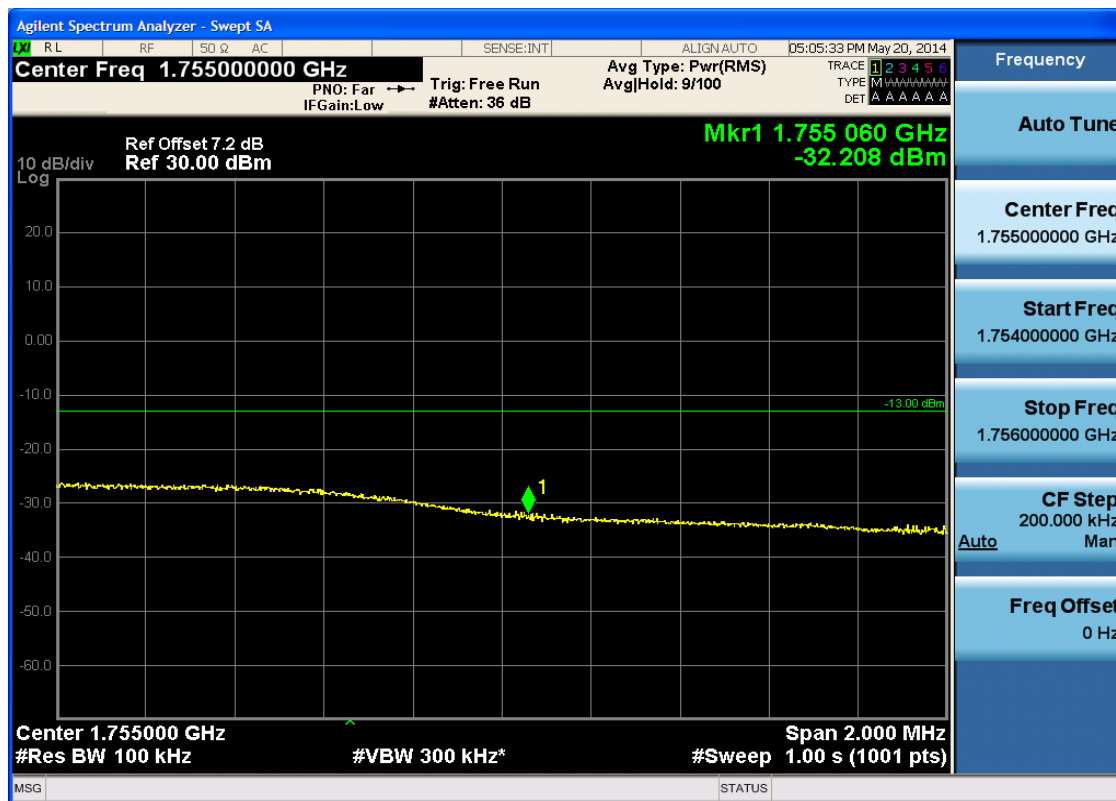


## 5.3.2.1.2.2.2 Test RB = RB1#49





## 5.3.2.1.2.2.3 Test RB = RB25#13





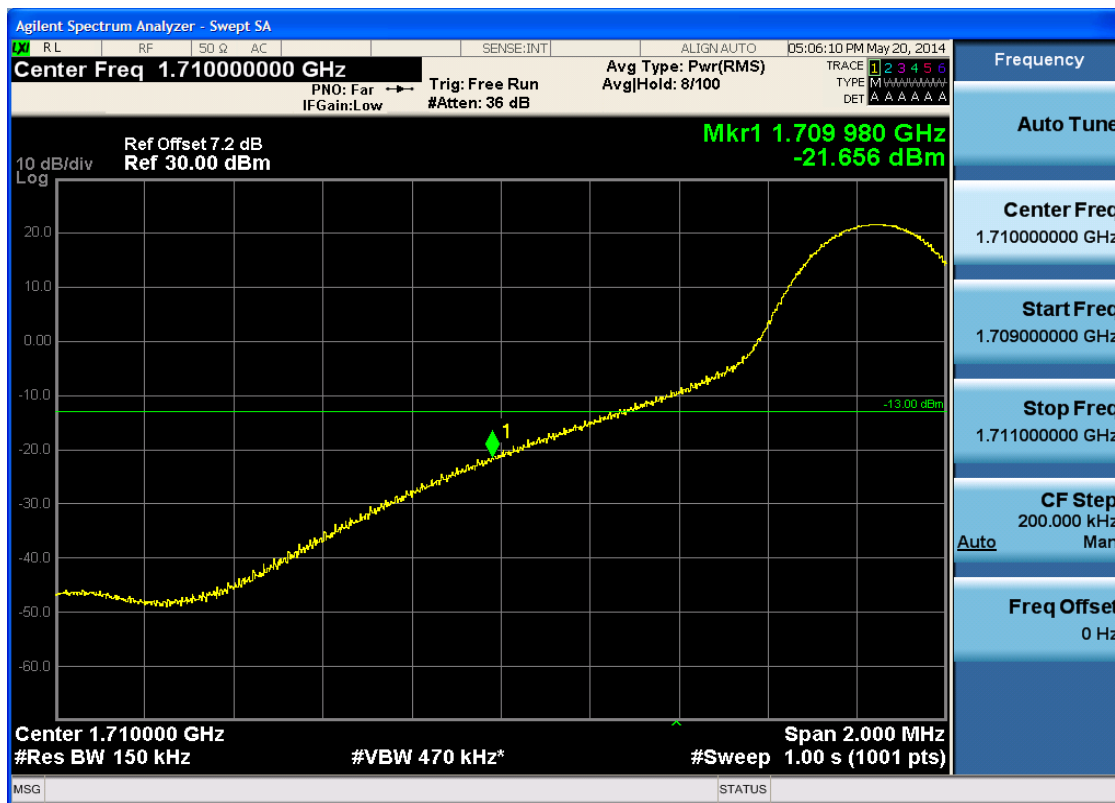
## 5.3.2.1.2.2.4 Test RB = RB50#0



### 5.3.2.1.3 Test Bandwidth = 15

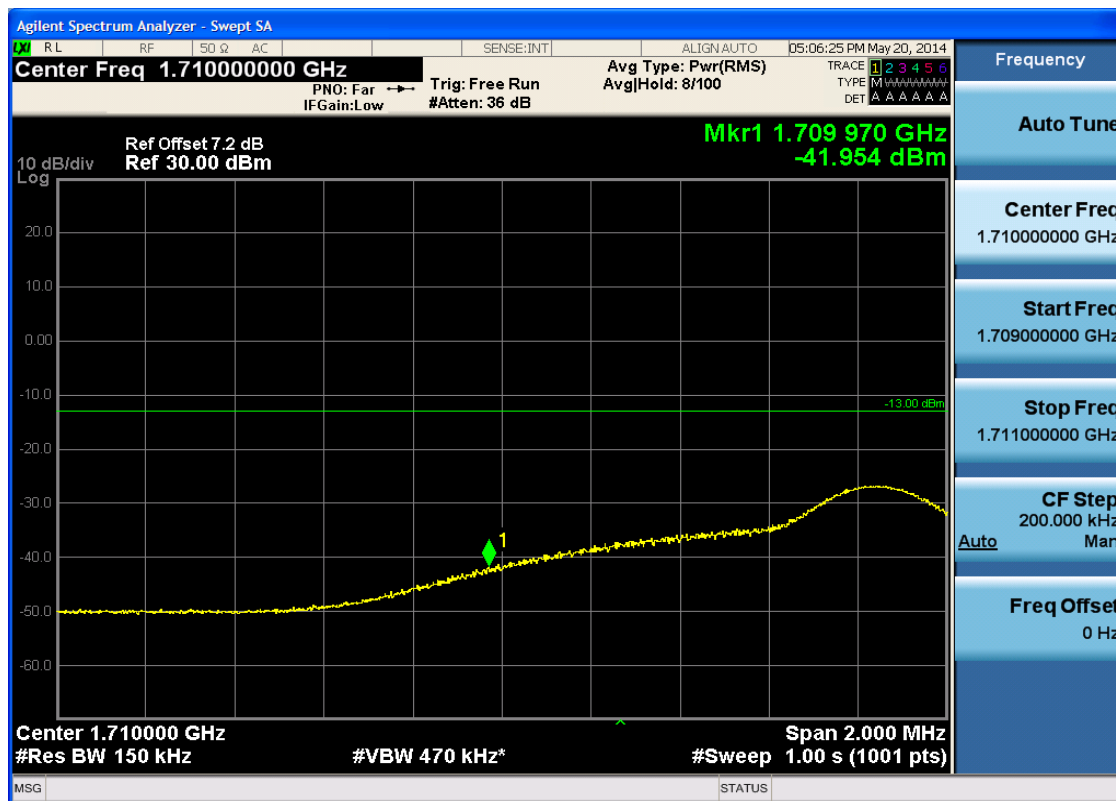
#### 5.3.2.1.3.1 Test Channel = LCH

##### 5.3.2.1.3.1.1 Test RB = RB1#0



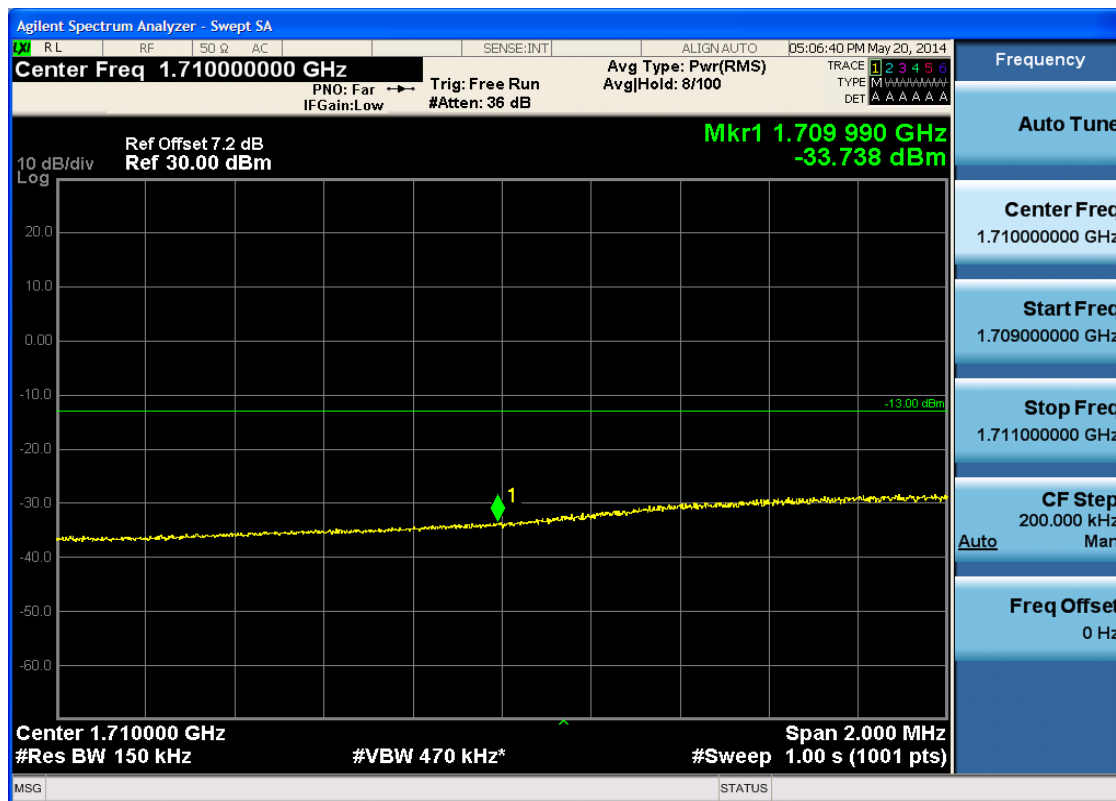


## 5.3.2.1.3.1.2 Test RB = RB1#74





## 5.3.2.1.3.1.3 Test RB = RB36#18





## 5.3.2.1.3.1.4 Test RB = RB75#0





## 5.3.2.1.3.2 Test Channel = HCH

## 5.3.2.1.3.2.1 Test RB = RB1#0



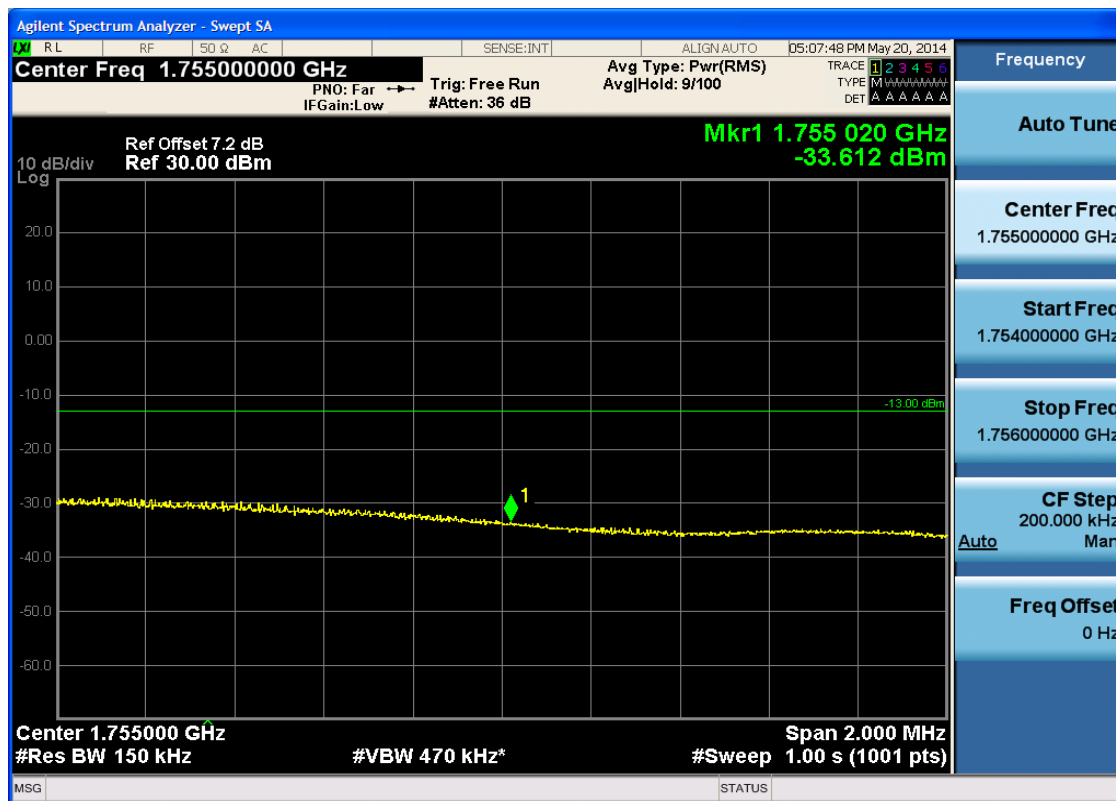


## 5.3.2.1.3.2.2 Test RB = RB1#74





## 5.3.2.1.3.2.3 Test RB = RB36#18





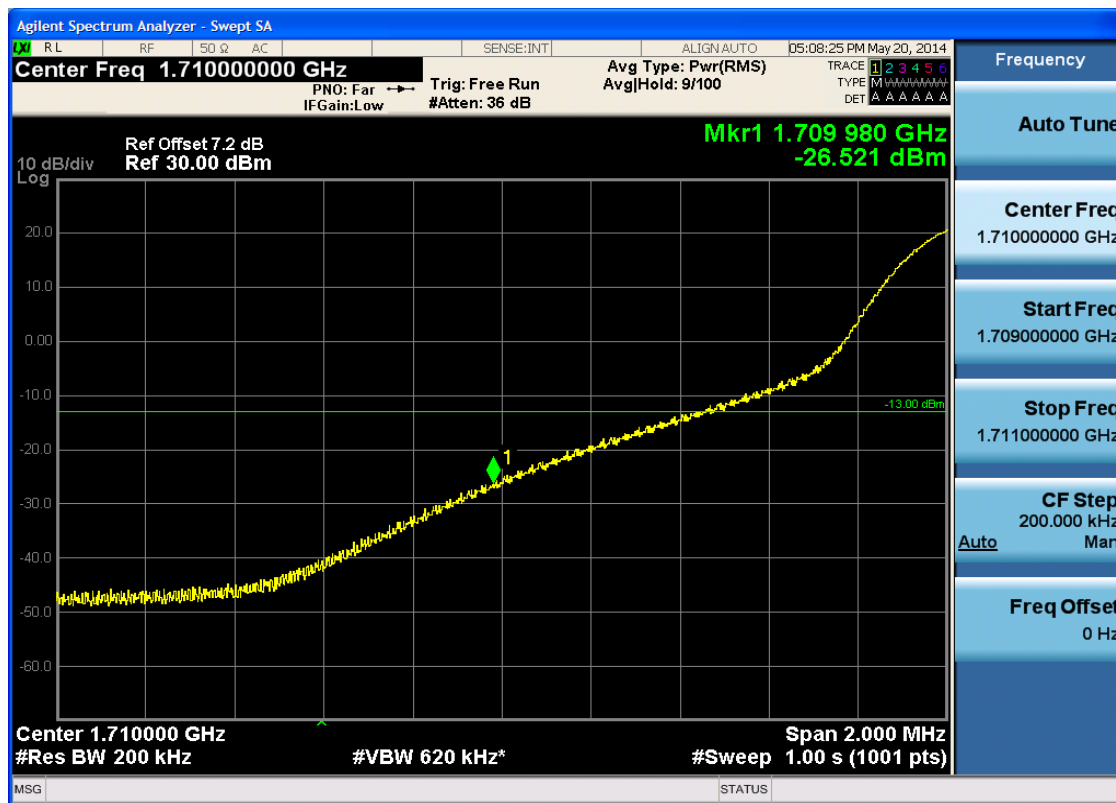
## 5.3.2.1.3.2.4 Test RB = RB75#0



### 5.3.2.1.4 Test Bandwidth = 20

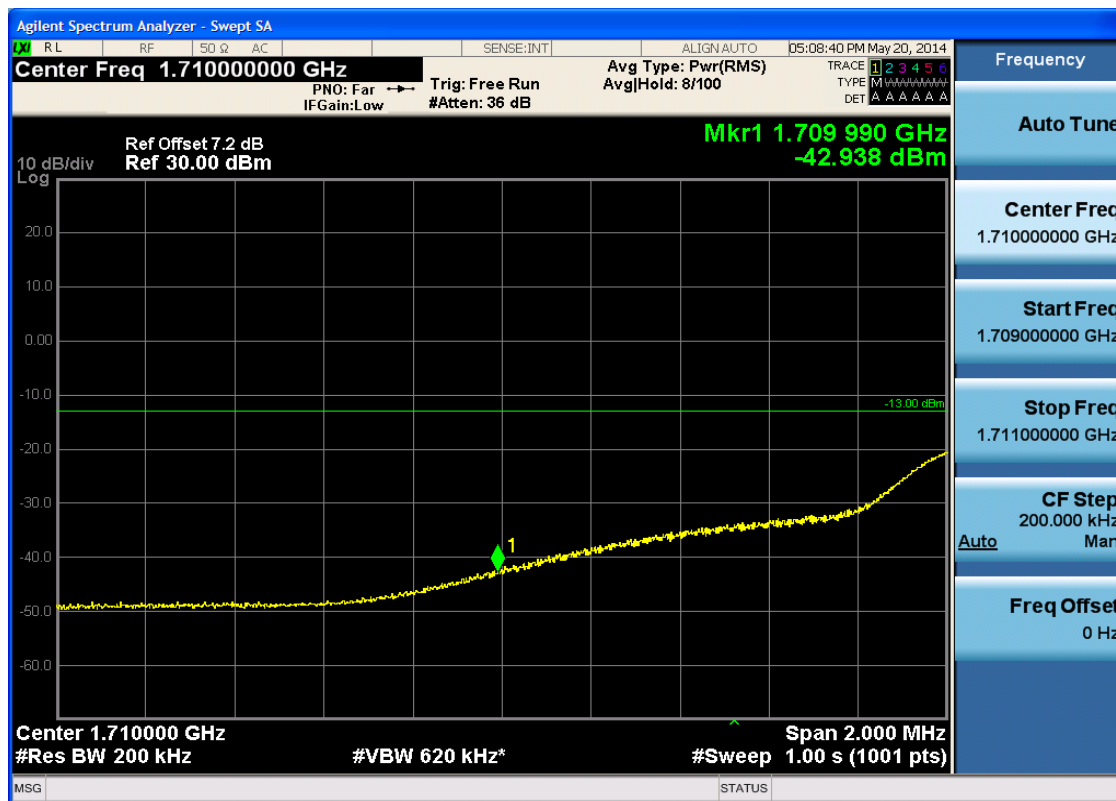
#### 5.3.2.1.4.1 Test Channel = LCH

##### 5.3.2.1.4.1.1 Test RB = RB1#0





## 5.3.2.1.4.1.2 Test RB = RB1#99





## 5.3.2.1.4.1.3 Test RB = RB50#25

