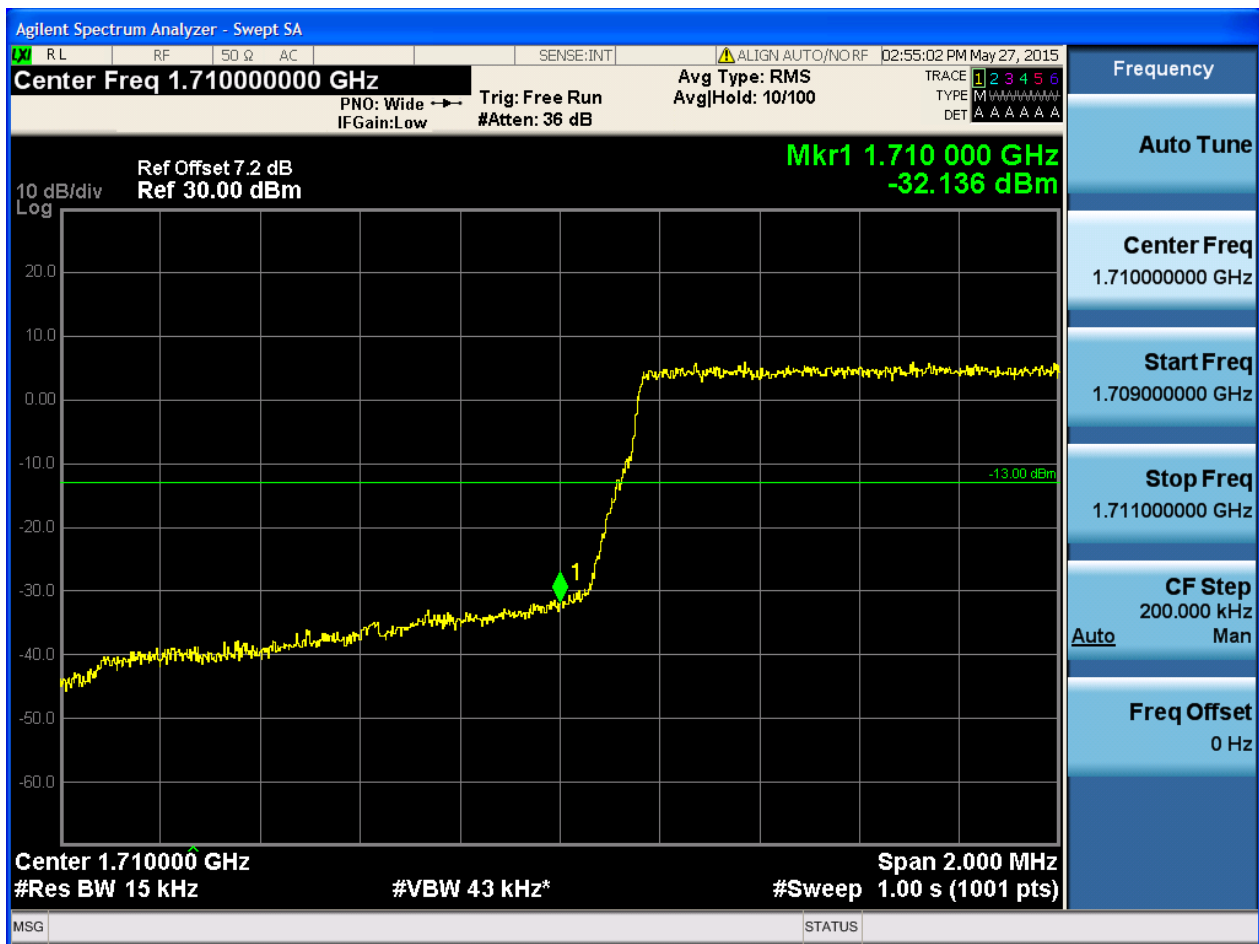




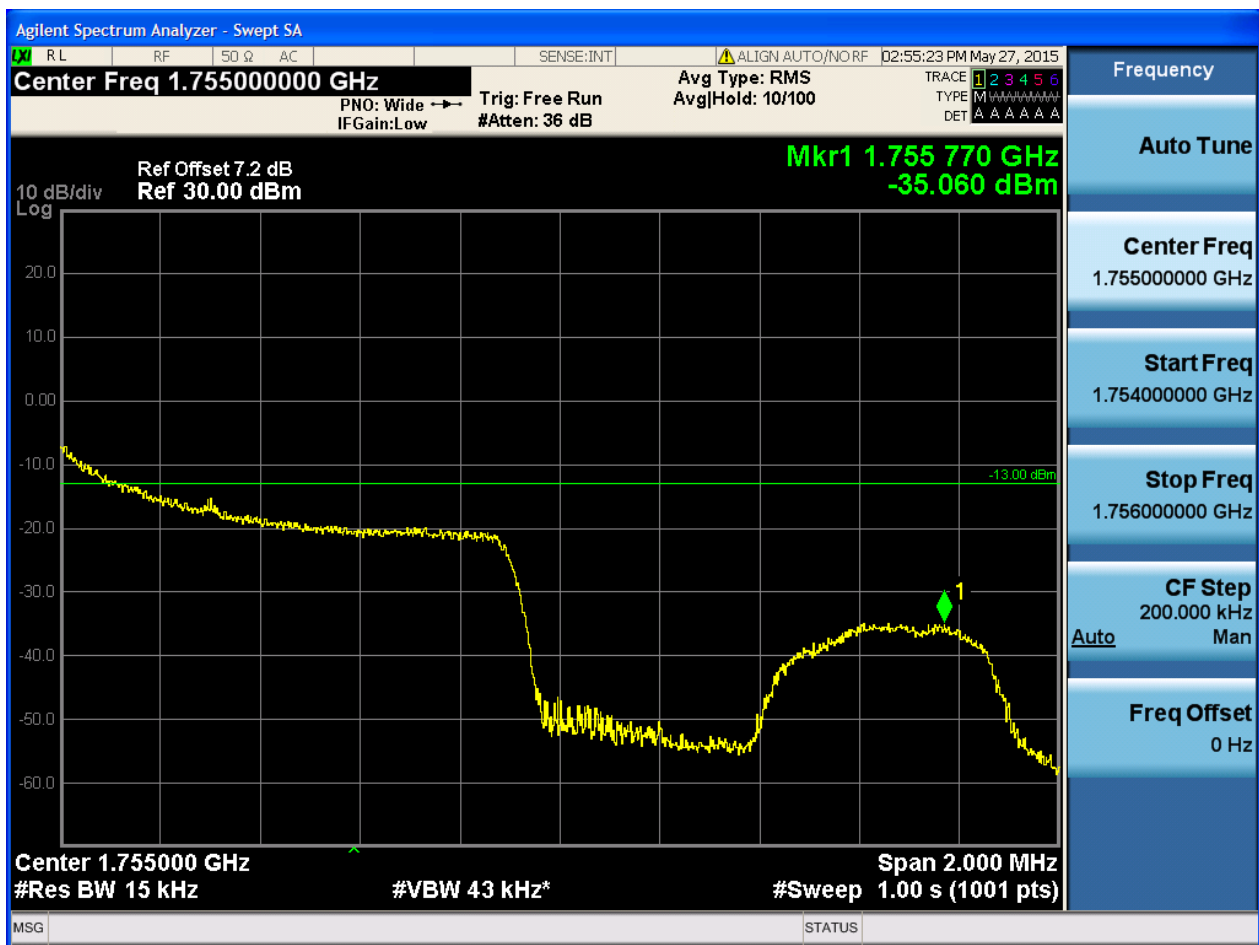
## 5.1.2.1.1.1.4 Test RB = RB6#0





## 5.1.2.1.1.2 Test Channel = HCH

## 5.1.2.1.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.755 000 GHz  
-26.690 dBm

Center 1.755000 GHz  
#Res BW 15 kHz  
#VBW 43 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Auto

Freq Offset  
0 Hz

| Frequency                      |
|--------------------------------|
| Auto Tune                      |
| Center Freq<br>1.755000000 GHz |
| Start Freq<br>1.754000000 GHz  |
| Stop Freq<br>1.756000000 GHz   |
| CF Step<br>200.000 kHz<br>Man  |
| Auto                           |
| Freq Offset<br>0 Hz            |



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.755 070 GHz  
-29.720 dBm

Center 1.755000 GHz  
#Res BW 15 kHz  
#VBW 43 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NORF 02:56:11 PM May 27, 2015

Center Freq 1.75500000 GHz Avg Type: RMS  
PNO: Wide Trig: Free Run Avg|Hold: 9/100  
IFGain:Low #Atten: 36 dB

TRACE 1 2 3 4 5 6  
TYPE [M] [ ] [ ] [ ] [ ] [ ]  
DET A A A A A A

Ref Offset 7.2 dB  
Ref 30.00 dBm

Mkr1 1.755 010 GHz  
-33.456 dBm

10 dB/div  
Log

Center 1.755000 GHz Span 2.000 MHz  
#Res BW 15 kHz #VBW 43 kHz\* #Sweep 1.00 s (1001 pts)

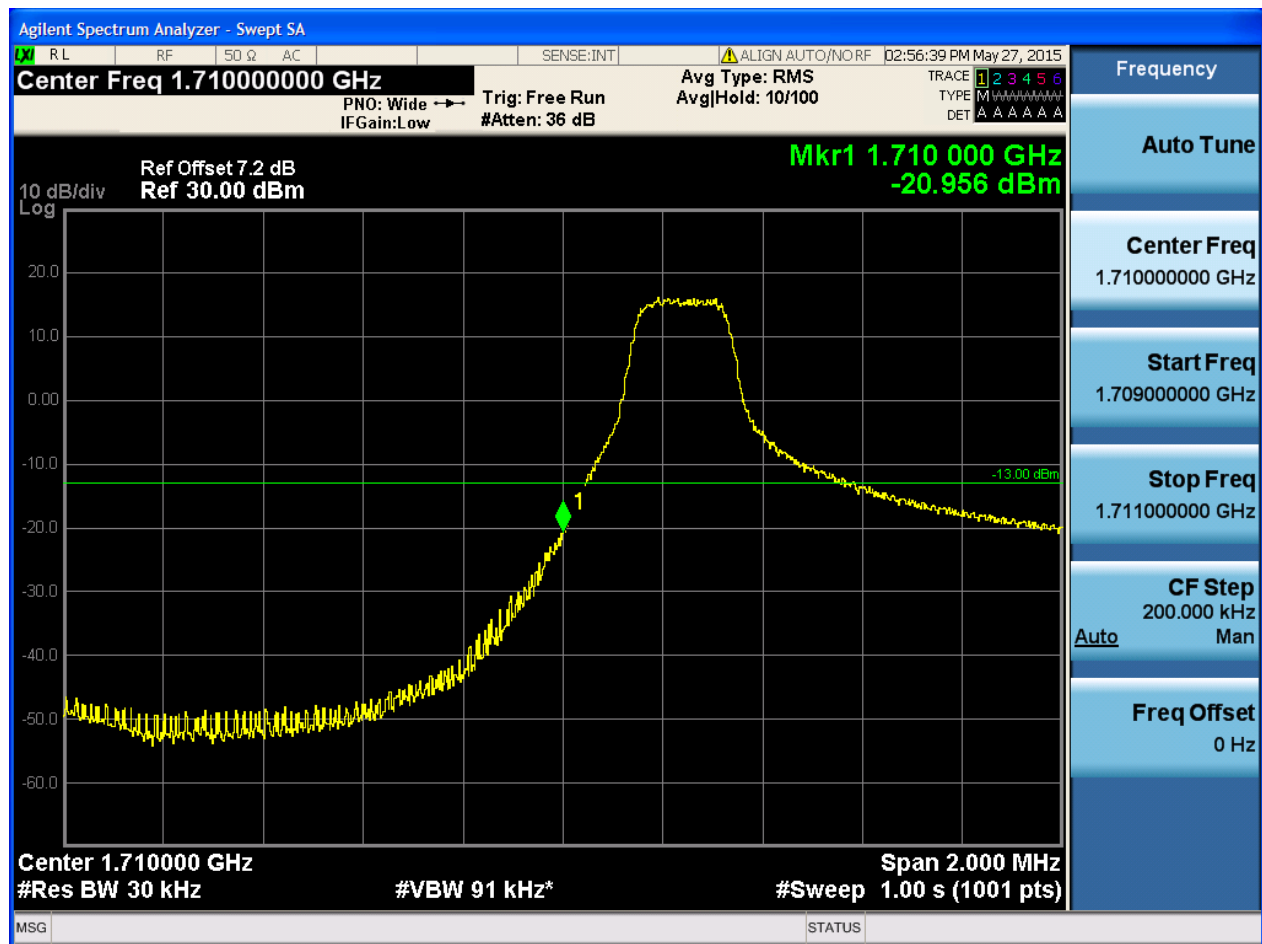
MSG STATUS

Frequency  
Auto Tune  
Center Freq 1.75500000 GHz  
Start Freq 1.754000000 GHz  
Stop Freq 1.756000000 GHz  
CF Step 200.000 kHz  
Auto Man  
Freq Offset 0 Hz

### 5.1.2.1.2 Test Bandwidth = 3

#### 5.1.2.1.2.1 Test Channel = LCH

##### 5.1.2.1.2.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NO RF 02:56:56 PM May 27, 2015

**Center Freq 1.71000000 GHz** Avg Type: RMS  
PNO: Wide  $\rightarrow$  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 7.2 dB  
Ref 30.00 dBm

**Mkr1 1.710 000 GHz**  
**-34.633 dBm**

10 dB/div  
Log

Center 1.710000 GHz  
#Res BW 30 kHz  
#VBW 91 kHz\*  
Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

MSG STATUS



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NO RF 02:57:12 PM May 27, 2015

**Center Freq 1.71000000 GHz** Avg Type: RMS  
PNO: Wide → Trg: 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 7.2 dB  
Ref 30.00 dBm

**Mkr1 1.710 000 GHz**  
**-32.471 dBm**

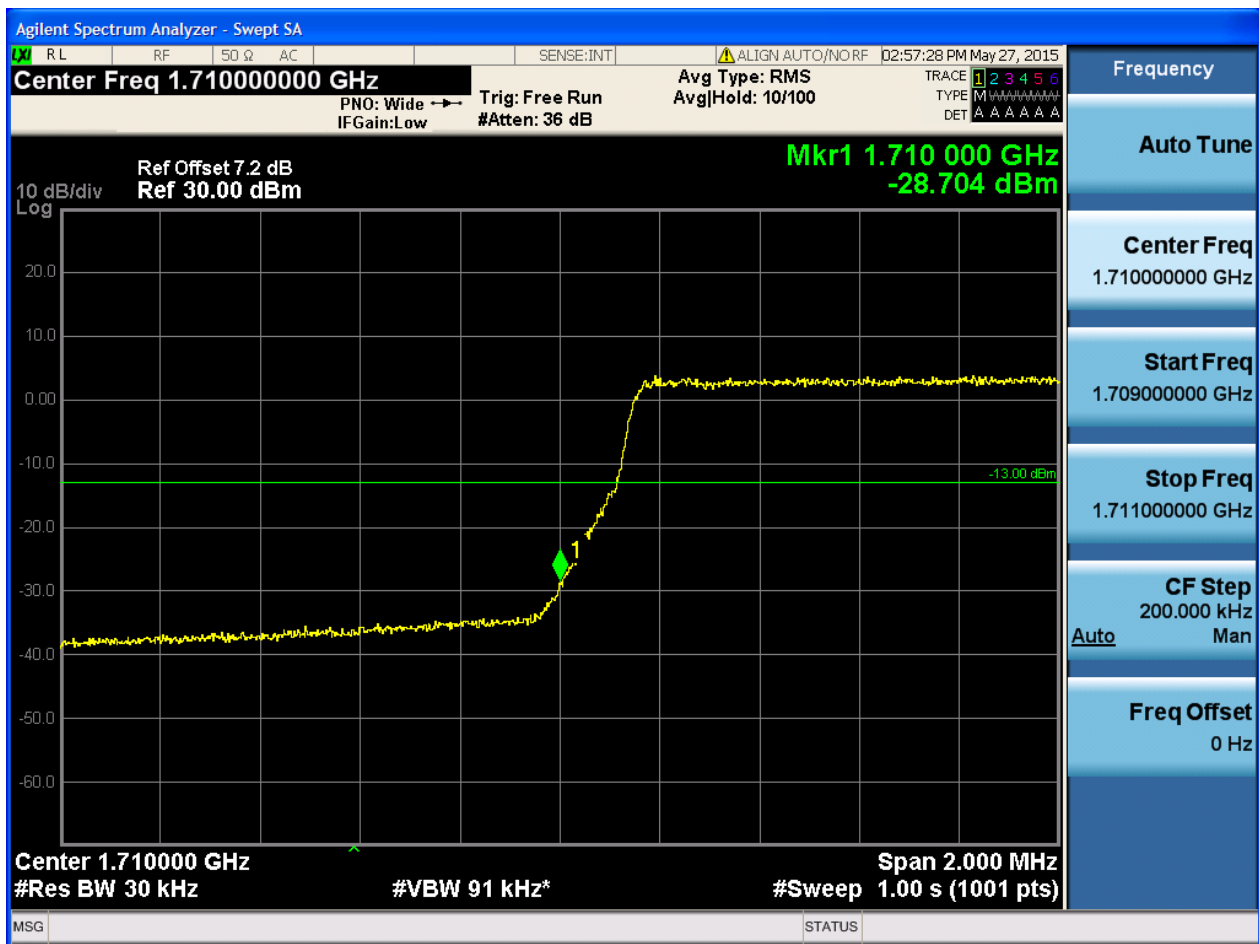
10 dB/div Log

Center 1.710000 GHz  
#Res BW 30 kHz  
#VBW 91 kHz\*  
Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

MSG STATUS



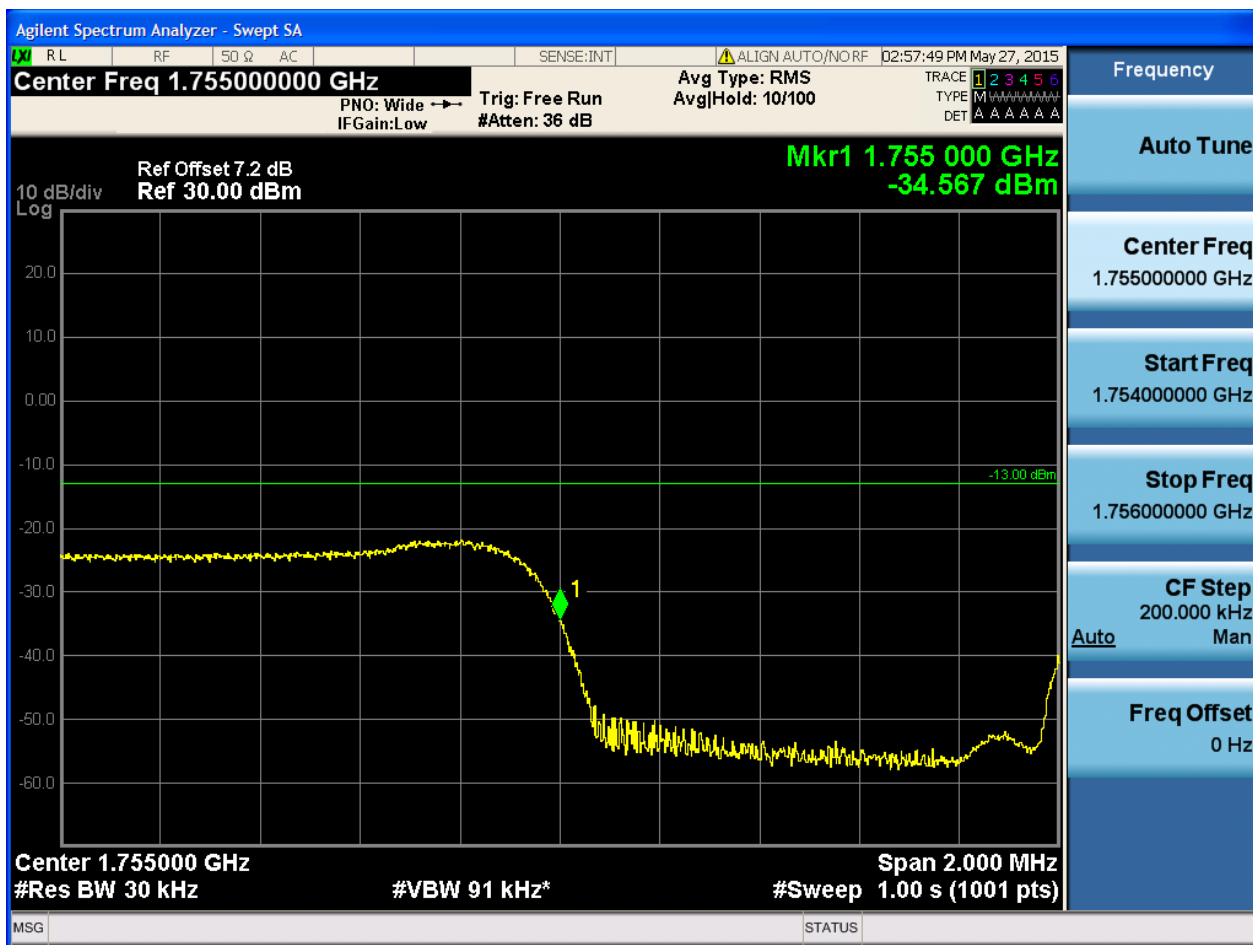
## 5.1.2.1.2.1.4 Test RB = RB15#0





## 5.1.2.1.2.2 Test Channel = HCH

## 5.1.2.1.2.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.755 000 GHz  
-20.272 dBm

Center 1.755000 GHz  
#Res BW 30 kHz  
#VBW 91 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Auto

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NO RF 02:58:21 PM May 27, 2015

Center Freq 1.755000000 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 7.2 dB  
Ref 30.00 dBm

Mkr1 1.755 000 GHz  
-32.724 dBm

10 dB/div  
Log

-13.00 dBm

Center 1.755000 GHz Span 2.000 MHz  
#Res BW 30 kHz #VBW 91 kHz\* #Sweep 1.00 s (1001 pts)

MSG STATUS

| Frequency                      |
|--------------------------------|
| Auto Tune                      |
| Center Freq<br>1.755000000 GHz |
| Start Freq<br>1.754000000 GHz  |
| Stop Freq<br>1.756000000 GHz   |
| CF Step<br>200.000 kHz<br>Man  |
| Auto                           |
| Freq Offset<br>0 Hz            |



## 5.1.2.1.2.2.4 Test RB = RB15#0

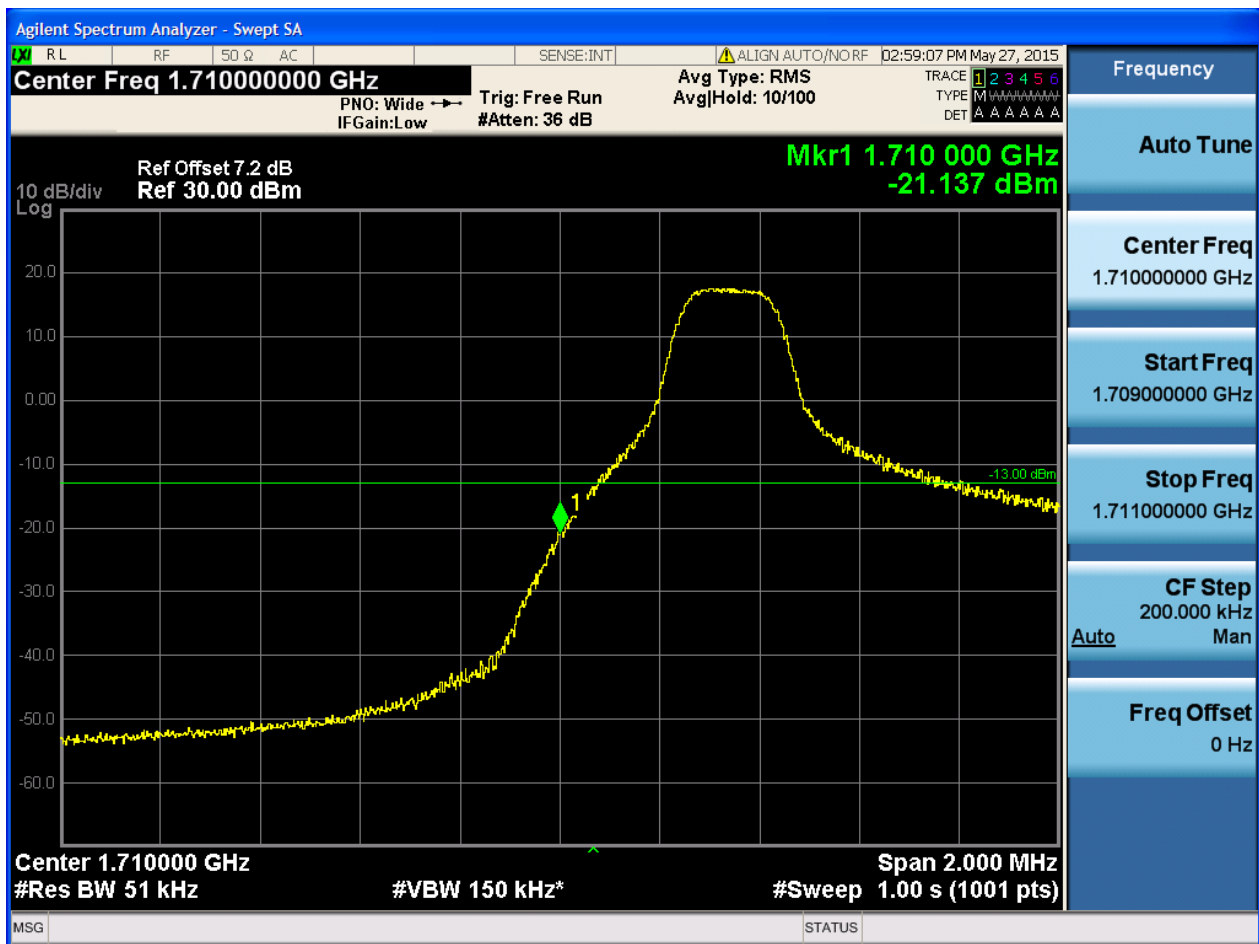




## 5.1.2.1.3 Test Bandwidth = 5

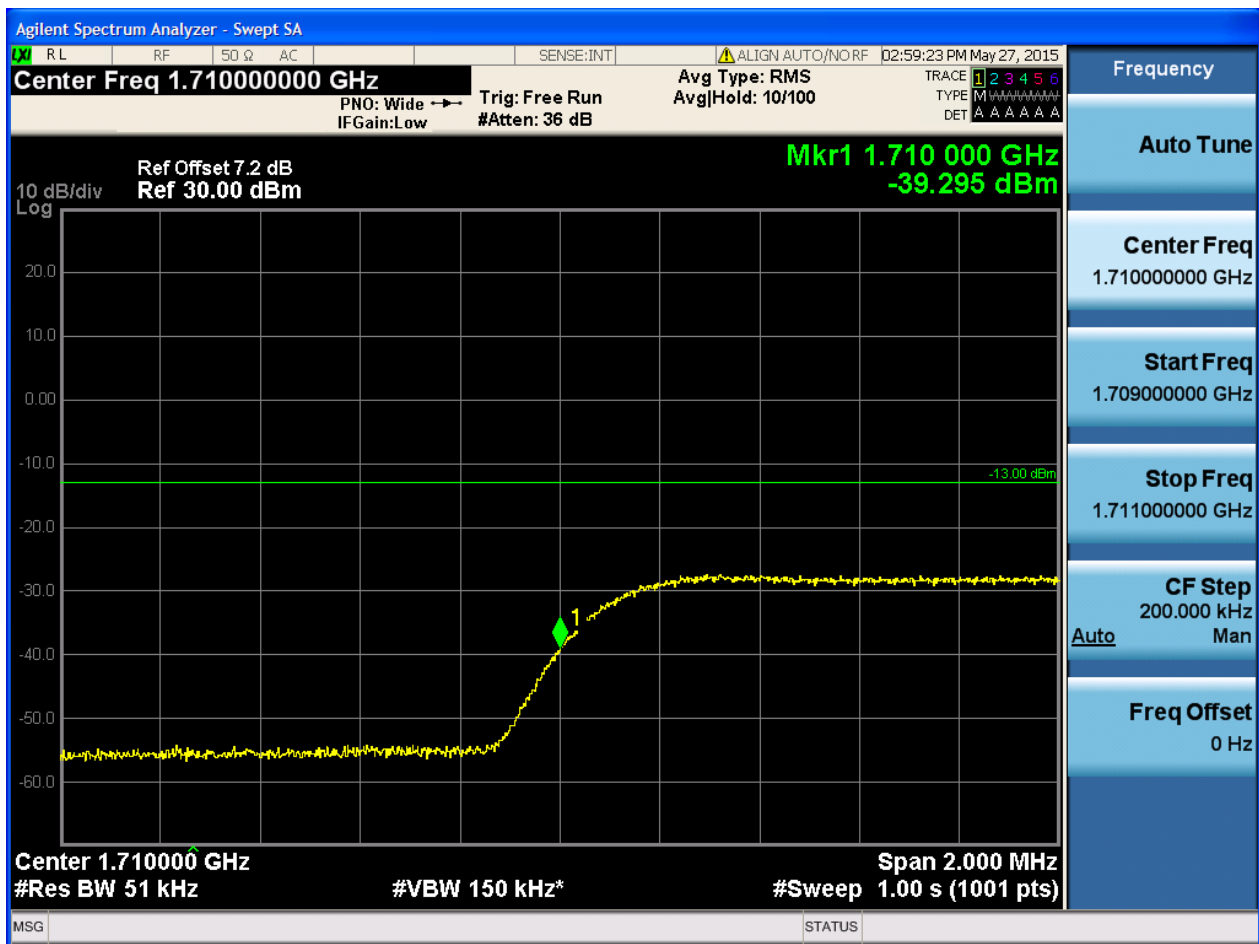
## 5.1.2.1.3.1 Test Channel = LCH

## 5.1.2.1.3.1.1 Test RB = RB1#0





## 5.1.2.1.3.1.2 Test RB = RB1#24



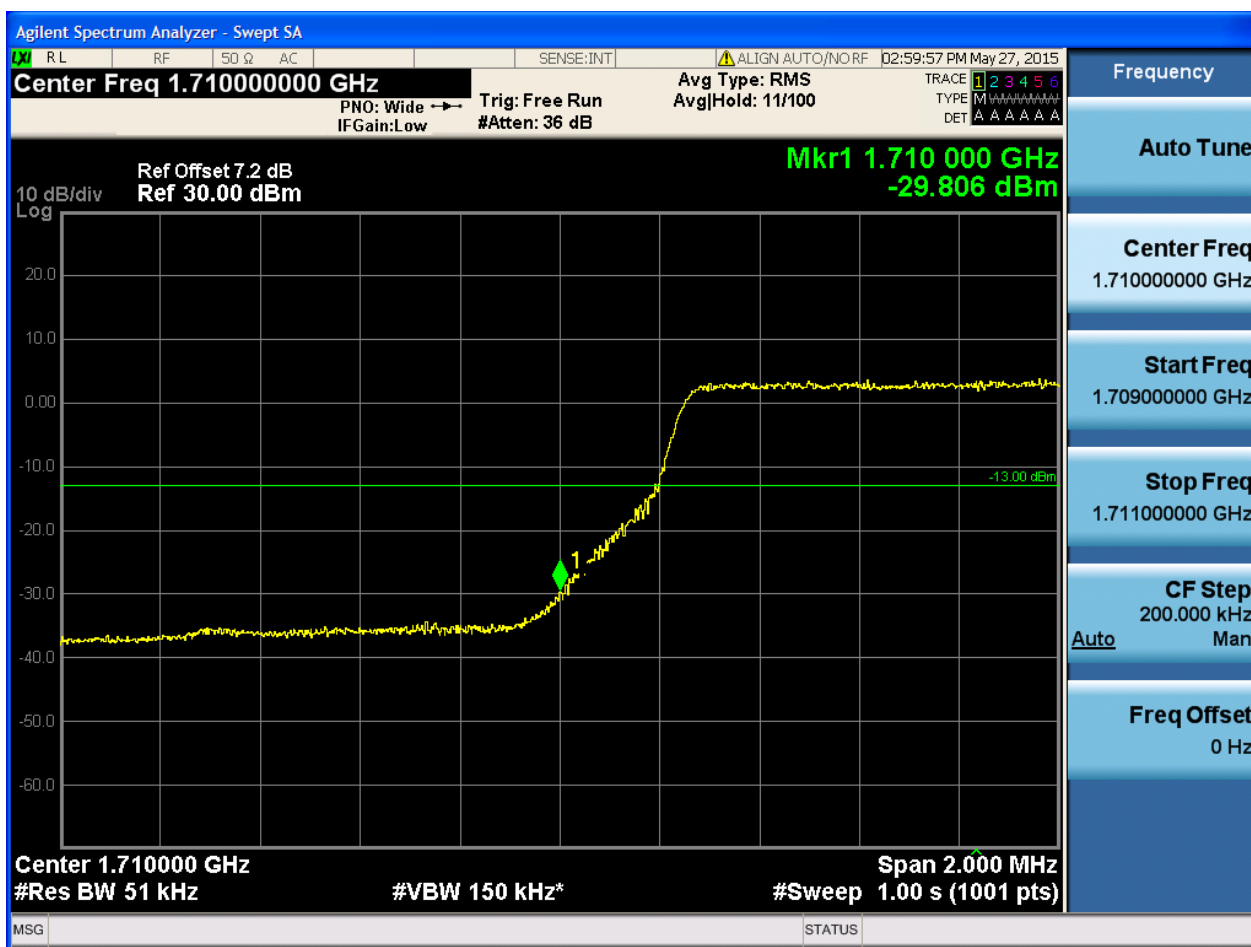


## 5.1.2.1.3.1.3 Test RB = RB12#6





## 5.1.2.1.3.1.4 Test RB = RB25#0





## 5.1.2.1.3.2 Test Channel = HCH

## 5.1.2.1.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.755 000 GHz  
-20.957 dBm

Center 1.755000 GHz  
#Res BW 51 kHz  
#VBW 150 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NO RF 03:00:49 PM May 27, 2015

**Center Freq 1.75500000 GHz** Avg Type: RMS  
PNO: Wide → Trg: Free Run  
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 7.2 dB  
Ref 30.00 dBm

**Mkr1 1.755 000 GHz**  
**-34.546 dBm**

10 dB/div  
Log

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

MSG STATUS



## 5.1.2.1.3.2.4 Test RB = RB25#0

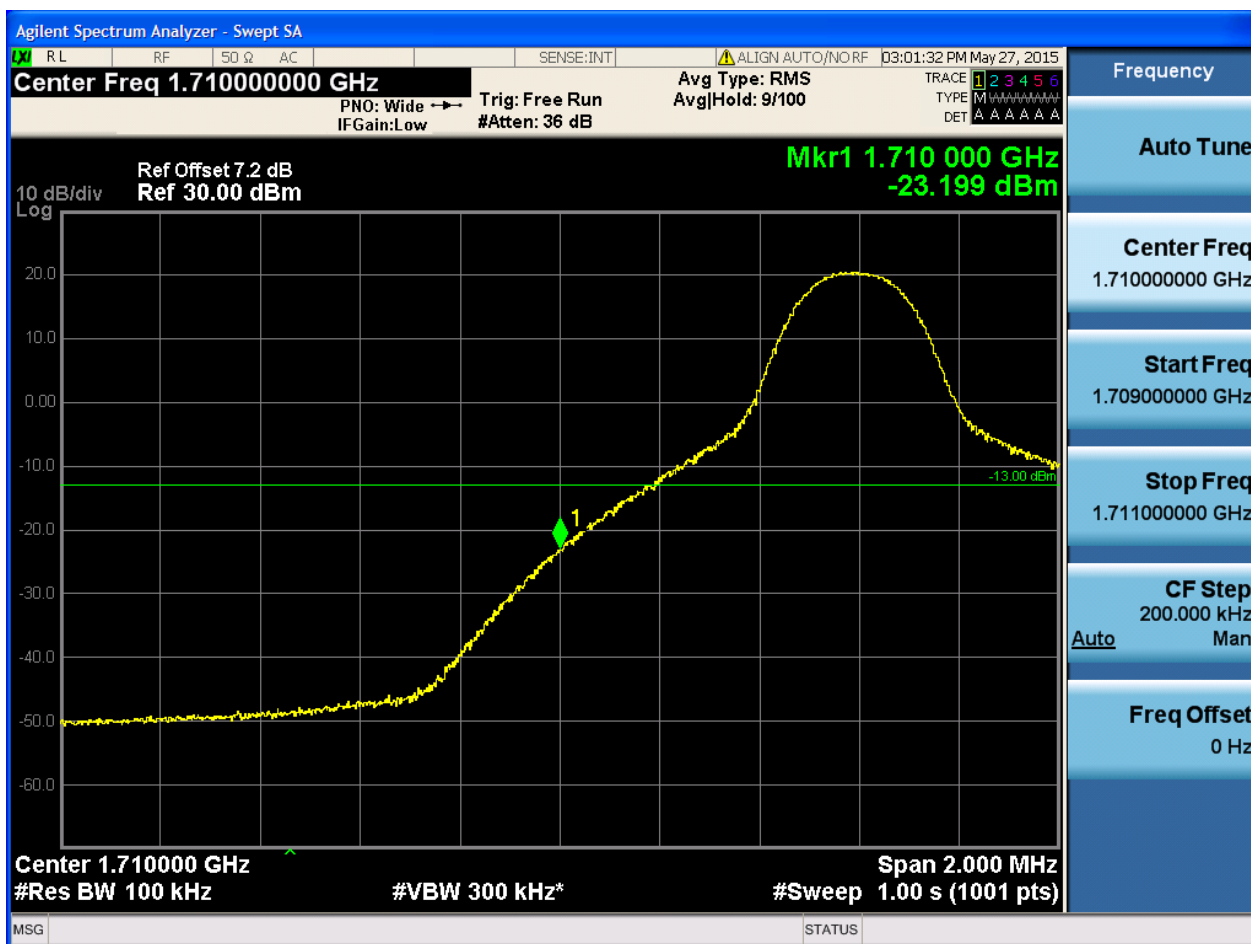




## 5.1.2.1.4 Test Bandwidth = 10

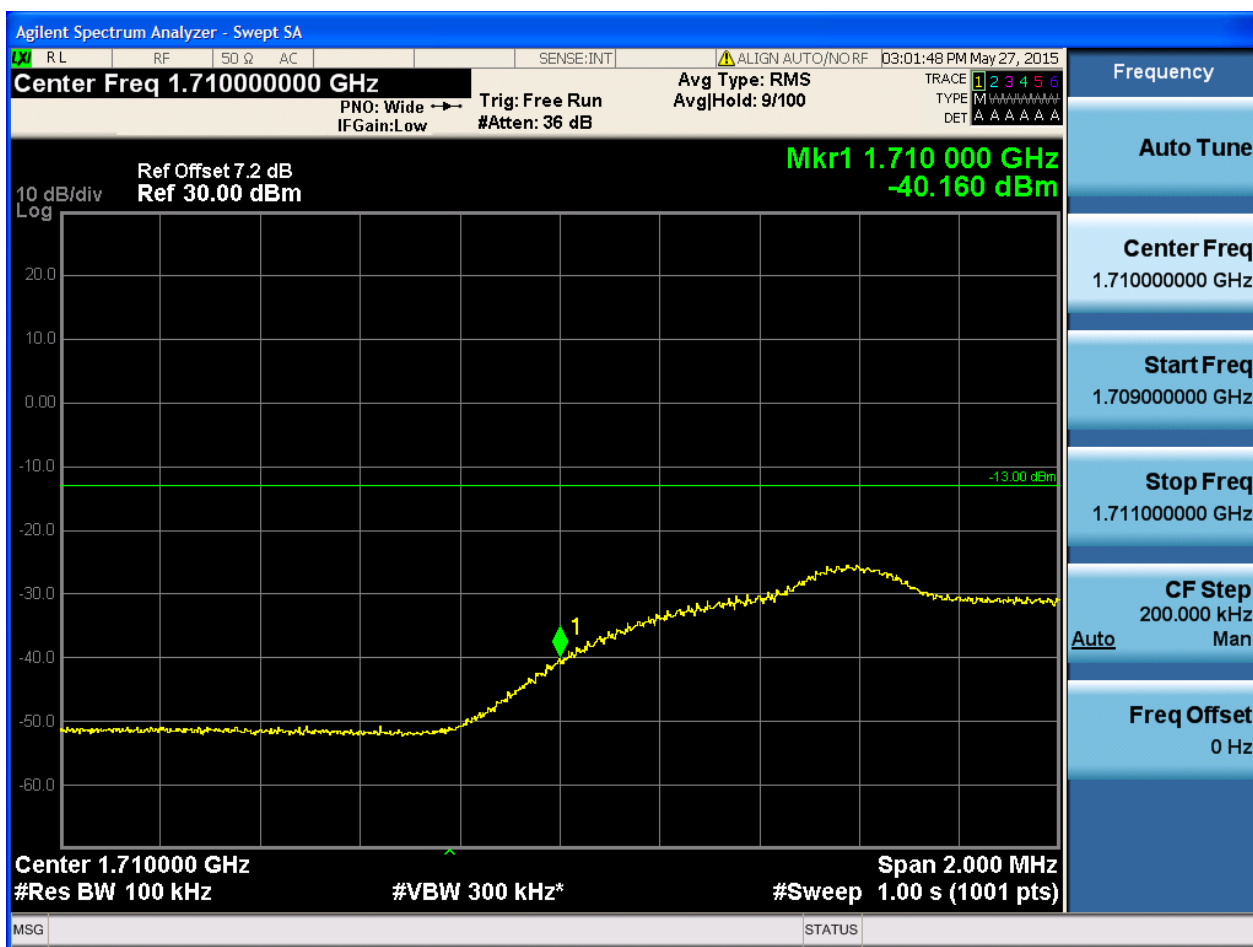
## 5.1.2.1.4.1 Test Channel = LCH

## 5.1.2.1.4.1.1 Test RB = RB1#0





## 5.1.2.1.4.1.2 Test RB = RB1#49





## 5.1.2.1.4.1.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.71000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.710 000 GHz  
-32.438 dBm

Trig: Free Run  
#Atten: 36 dB

Avg Type: RMS  
Avg/Hold: 9/100

ALIGN AUTO/NO RF

03:02:20 PM May 27, 2015

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

Auto Tune

Center Freq  
1.710000000 GHz

Start Freq  
1.709000000 GHz

Stop Freq  
1.711000000 GHz

CF Step  
200.000 kHz  
Man

Auto

Freq Offset  
0 Hz

Center 1.710000 GHz  
#Res BW 100 kHz

#VBW 300 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

MSG STATUS

Detailed description: The image is a screenshot of an Agilent Spectrum Analyzer in 'Swept SA' mode. The main display is a log-frequency plot with a grid. The horizontal axis represents frequency, with a center frequency of 1.71000000 GHz and a span of 2.000 MHz. The vertical axis represents power in dBm, ranging from -60.0 to 20.0 dBm. A yellow trace shows a signal that is flat at approximately -40 dBm and then rises sharply between 1.7095 GHz and 1.7105 GHz, leveling off at 0 dBm. A green horizontal line is drawn at -13.00 dBm. A yellow marker labeled '1' is placed on the rising part of the signal at -32.438 dBm. The top of the screen displays various settings: 'Center Freq 1.71000000 GHz', 'Ref Offset 7.2 dB', 'Ref 30.00 dBm', 'Trig: Free Run', '#Atten: 36 dB', 'Avg Type: RMS', 'Avg/Hold: 9/100', 'ALIGN AUTO/NO RF', and the date/time '03:02:20 PM May 27, 2015'. On the right side, there are several control panels: 'Auto Tune', 'Center Freq' (1.710000000 GHz), 'Start Freq' (1.709000000 GHz), 'Stop Freq' (1.711000000 GHz), 'CF Step' (200.000 kHz, Man), 'Auto', and 'Freq Offset' (0 Hz). At the bottom, there are status indicators: 'Center 1.710000 GHz', '#Res BW 100 kHz', '#VBW 300 kHz\*', 'Span 2.000 MHz', and '#Sweep 1.00 s (1001 pts)'. The bottom-most bar shows 'MSG' and 'STATUS'.



## 5.1.2.1.4.2 Test Channel = HCH

## 5.1.2.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Span 2.000 MHz  
#Res BW 100 kHz  
#VBW 300 kHz\*  
#Sweep 1.00 s (1001 pts)

Trig: Free Run  
#Atten: 36 dB

Avg Type: RMS  
Avg/Hold: 9/100

ALIGN AUTO/NO RF

03:02:56 PM May 27, 2015

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

Mkr1 1.755 000 GHz  
-22.584 dBm

-13.00 dBm

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Auto

Freq Offset  
0 Hz



## 5.1.2.1.4.2.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NO RF 03:03:27 PM May 27, 2015

**Center Freq 1.755000000 GHz** Avg Type: RMS  
PNO: Wide → Trig: Free Run AvgHold: 9/100  
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 7.2 dB  
Ref 30.00 dBm

**Mkr1 1.755 000 GHz  
-33.258 dBm**

10 dB/div  
Log

-13.00 dBm

**Center 1.755000 GHz**  
#Res BW 100 kHz #VBW 300 kHz\* Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

MSG STATUS

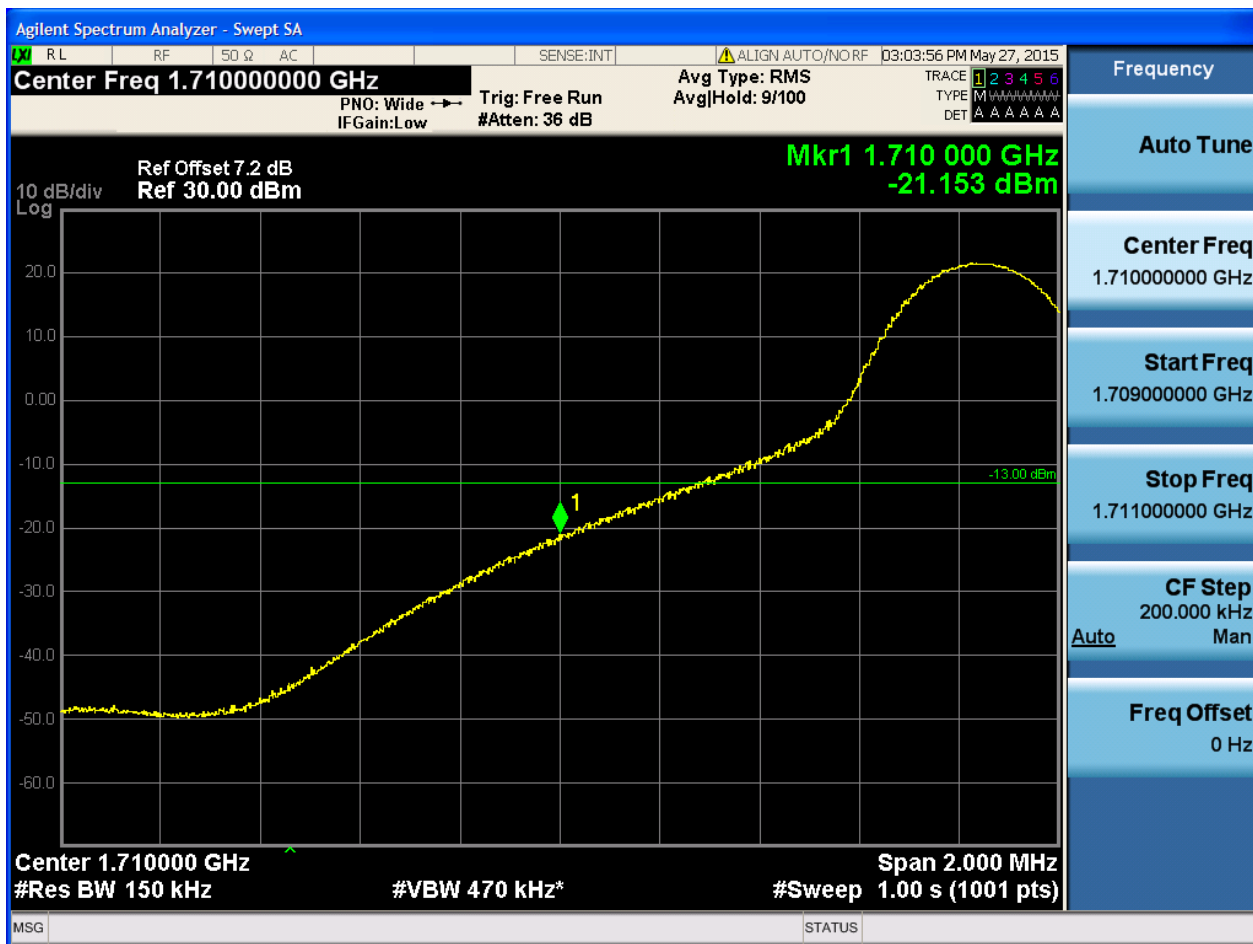
Frequency  
Auto Tune  
Center Freq  
1.755000000 GHz  
Start Freq  
1.754000000 GHz  
Stop Freq  
1.756000000 GHz  
CF Step  
200.000 kHz  
Auto  
Man  
Freq Offset  
0 Hz



## 5.1.2.1.5 Test Bandwidth = 15

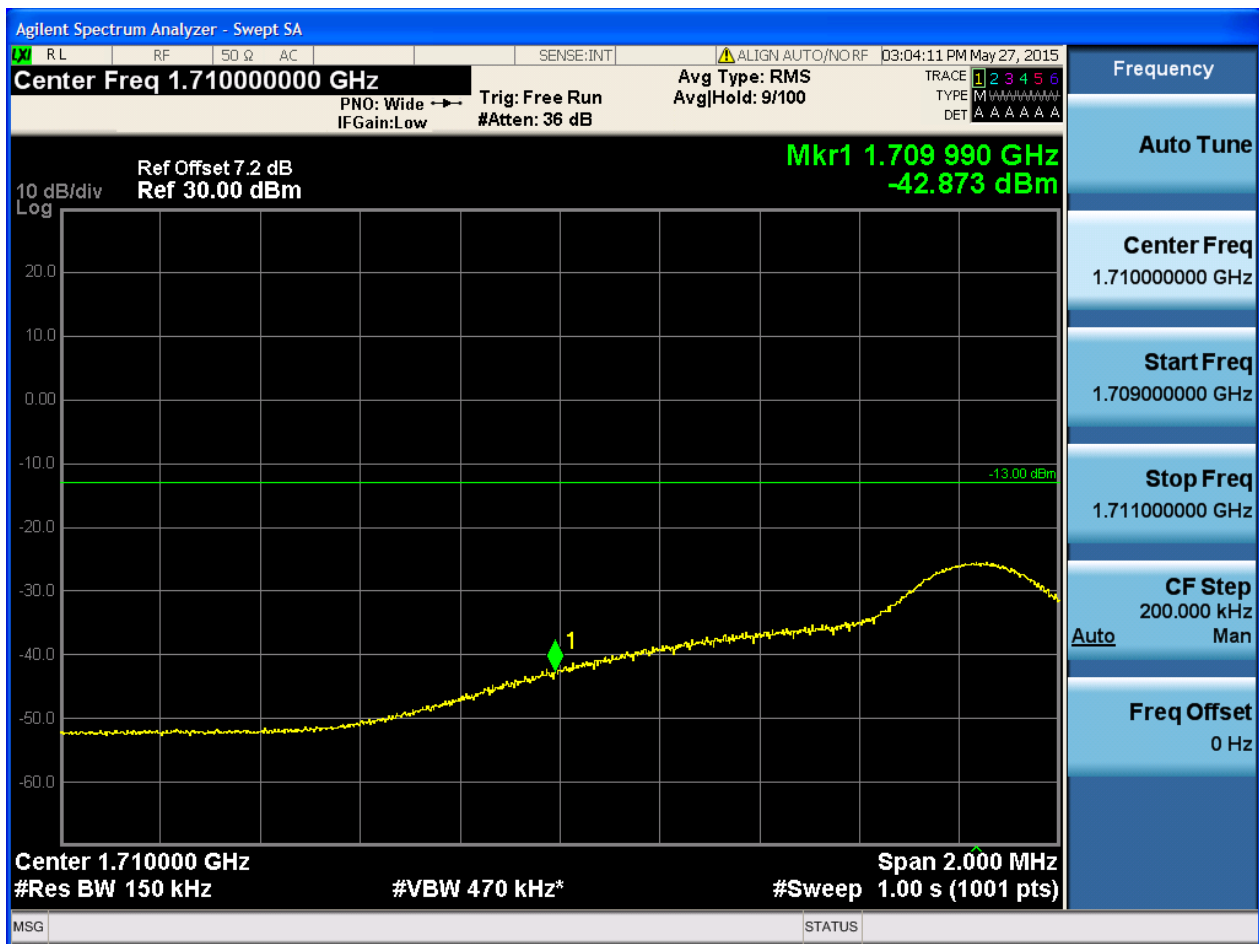
## 5.1.2.1.5.1 Test Channel = LCH

## 5.1.2.1.5.1.1 Test RB = RB1#0





## 5.1.2.1.5.1.2 Test RB = RB1#74





## 5.1.2.1.5.1.3 Test RB = RB38#19





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.71000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

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

Mkr1 1.710 000 GHz  
-31.393 dBm

Start Freq 1.709000000 GHz  
Stop Freq 1.711000000 GHz  
CF Step 200.000 kHz  
Man

Auto Tune

Frequency

Auto

MSG STATUS



## 5.1.2.1.5.2 Test Channel = HCH

## 5.1.2.1.5.1.2 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Trig: Free Run  
#Atten: 36 dB

Avg Type: RMS  
Avg/Hold: 9/100

ALIGN AUTO/NO RF

03:05:17 PM May 27, 2015

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

Mkr1 1.755 010 GHz  
-21.624 dBm

Center 1.755000 GHz  
#Res BW 150 kHz

#VBW 470 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Auto

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NO RF 03:05:32 PM May 27, 2015

**Center Freq 1.755000000 GHz** Avg Type: RMS  
PNO: Wide Trig: Free Run  
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 7.2 dB  
Ref 30.00 dBm

**Mkr1 1.755 020 GHz**  
**-36.215 dBm**

10 dB/div  
Log

-13.00 dBm

Center 1.755000 GHz  
#Res BW 150 kHz  
#VBW 470 kHz\*  
Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency  
Auto Tune  
Center Freq  
1.755000000 GHz  
Start Freq  
1.754000000 GHz  
Stop Freq  
1.756000000 GHz  
CF Step  
200.000 kHz  
Auto  
Man  
Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Trig: Free Run  
#Atten: 36 dB

Avg Type: RMS  
Avg/Hold: 9/100

ALIGN AUTO/NO RF

03:05:48 PM May 27, 2015

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

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Auto

Freq Offset  
0 Hz

Mkr1 1.755 000 GHz  
-31.107 dBm

-13.00 dBm

1

Center 1.755000 GHz  
#Res BW 150 kHz

#VBW 470 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

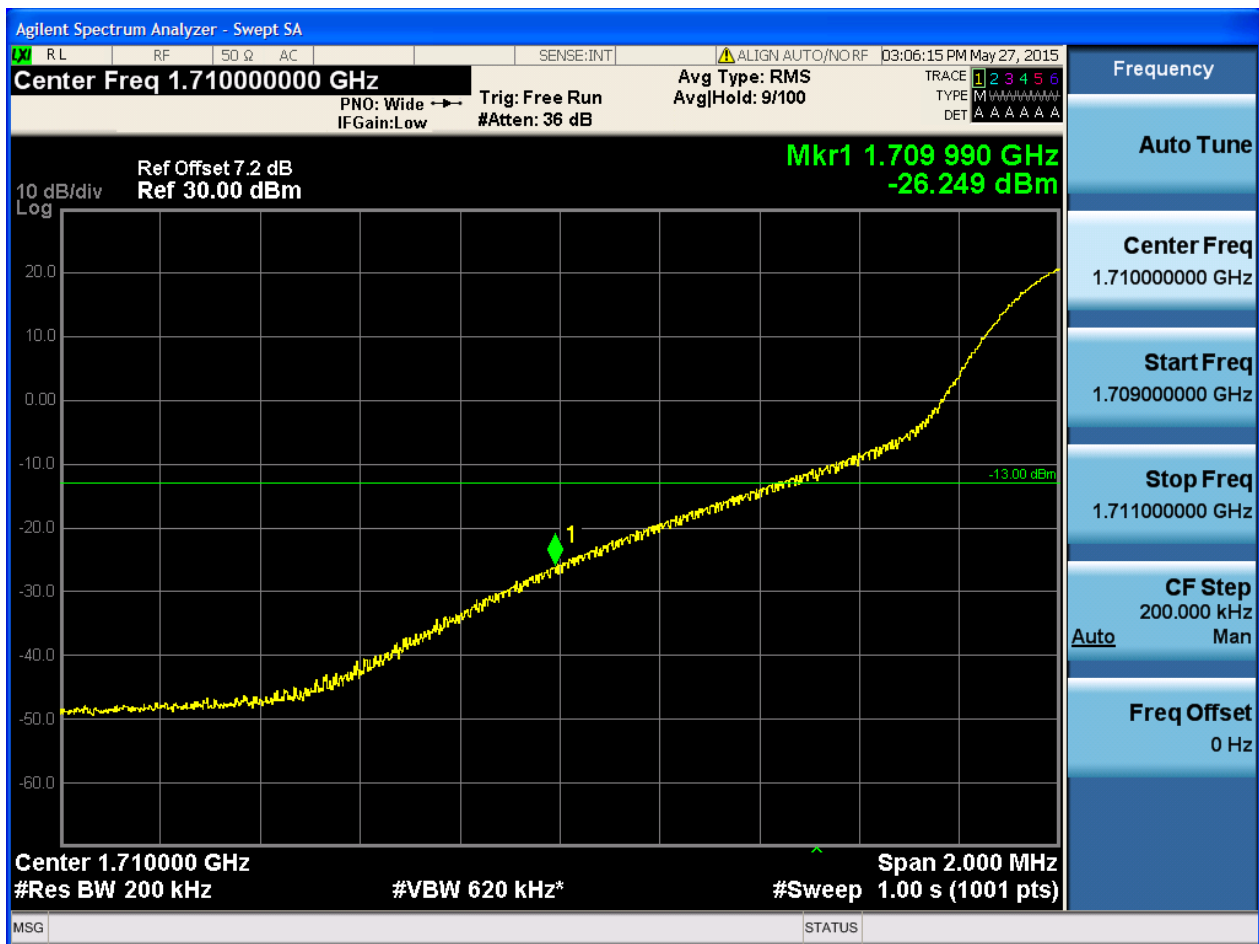
MSG STATUS



## 5.1.2.1.6 Test Bandwidth = 20

## 5.1.2.1.6.1 Test Channel = LCH

## 5.1.2.1.6.1.1 Test RB = RB1#0



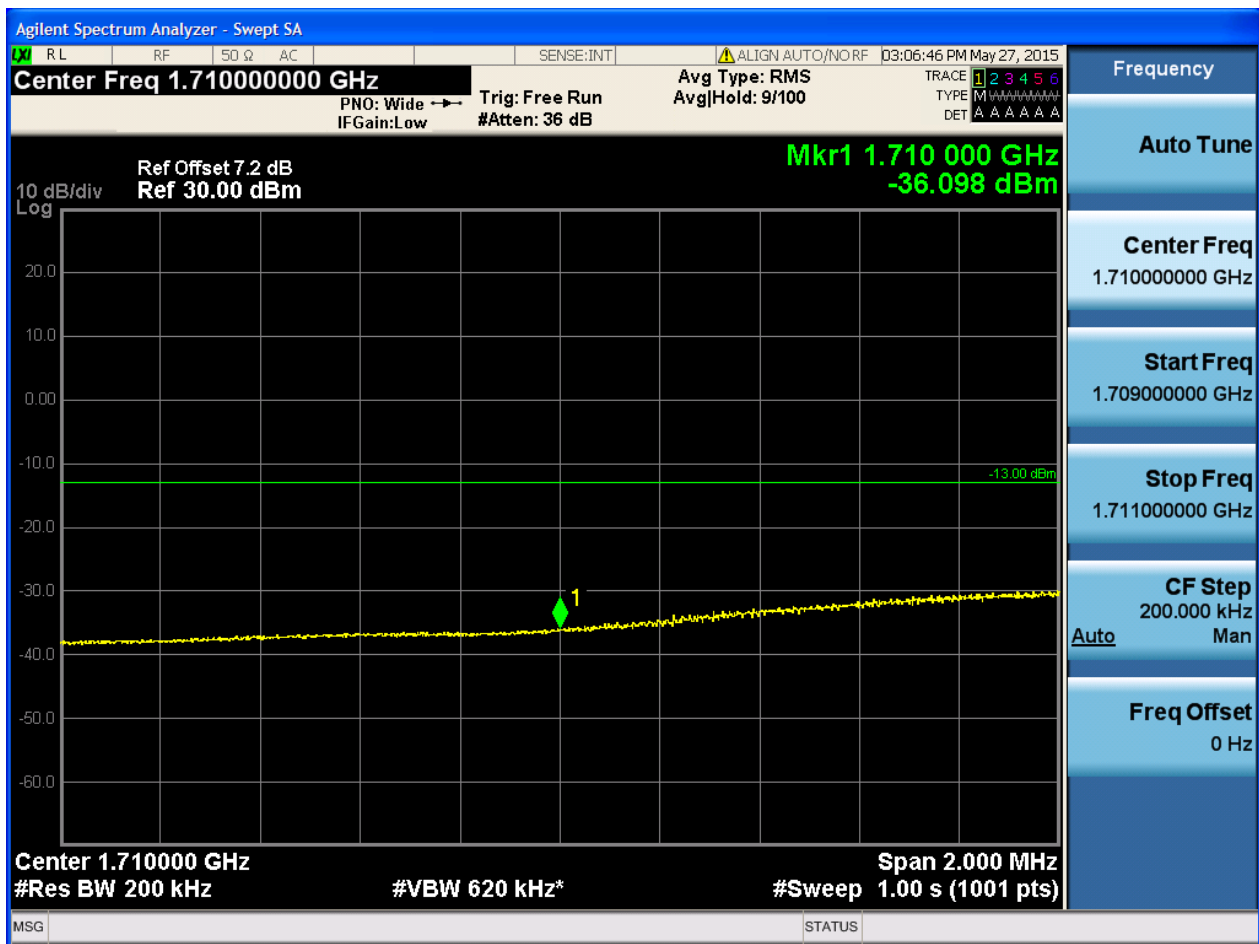


## 5.1.2.1.6.1.2 Test RB = RB1#99





## 5.1.2.1.6.1.3 Test RB = RB50#25





## 5.1.2.1.6.1.4 Test RB = RB100#0





## 5.1.2.1.6.2 Test Channel = HCH

## 5.1.2.1.6.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Span 2.000 MHz  
#Res BW 200 kHz  
#VBW 620 kHz\*  
#Sweep 1.00 s (1001 pts)

Mkr1 1.755 000 GHz  
-26.403 dBm

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz

MSG STATUS



## 5.1.2.1.6.2.3 Test RB = RB50#25





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.75500000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.755 000 GHz  
-33.513 dBm

Trig: Free Run  
#Atten: 36 dB

PNO: Wide  
IFGain: Low

Avg Type: RMS  
Avg/Hold: 11/100

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

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Auto

Freq Offset  
0 Hz

Center 1.755000 GHz  
#Res BW 200 kHz

#VBW 620 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

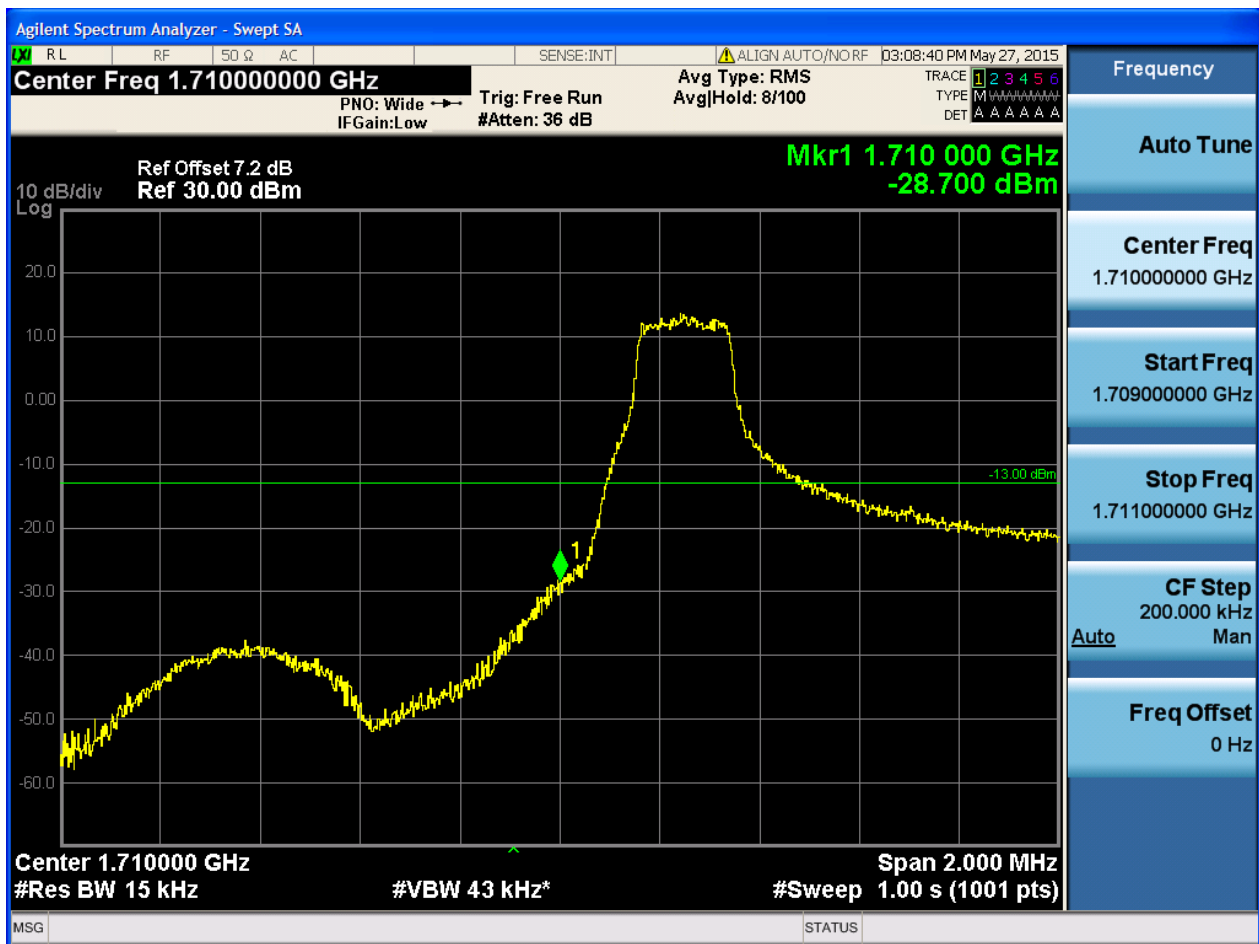


## 5.1.2.2 Test Mode = LTE/TM2

## 5.1.2.2.1 Test Bandwidth = 1.4

## 5.1.2.2.1.1 Test Channel = LCH

## 5.1.2.2.1.1.1 Test RB = RB1#0



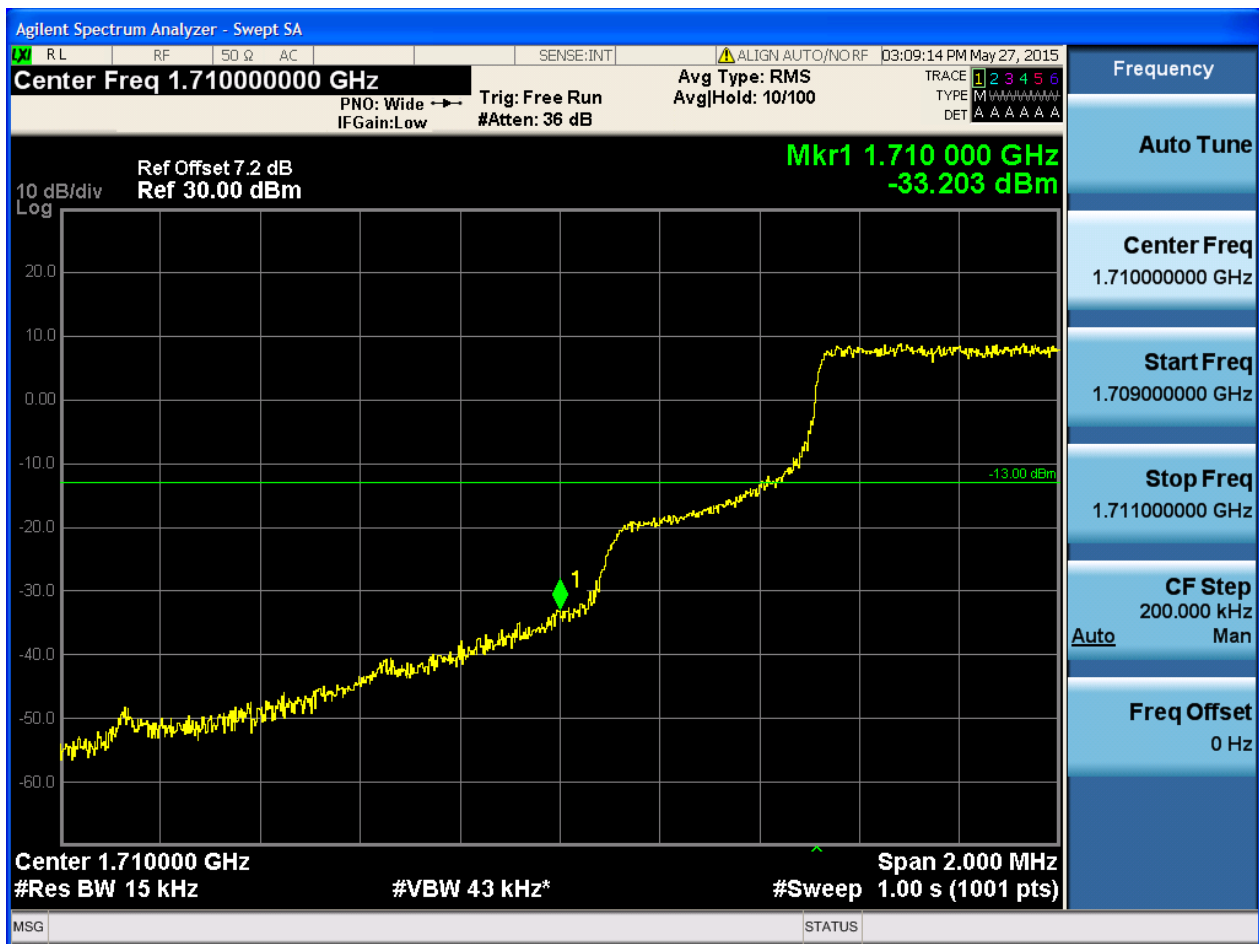


## 5.1.2.2.1.1.2 Test RB = RB1#5



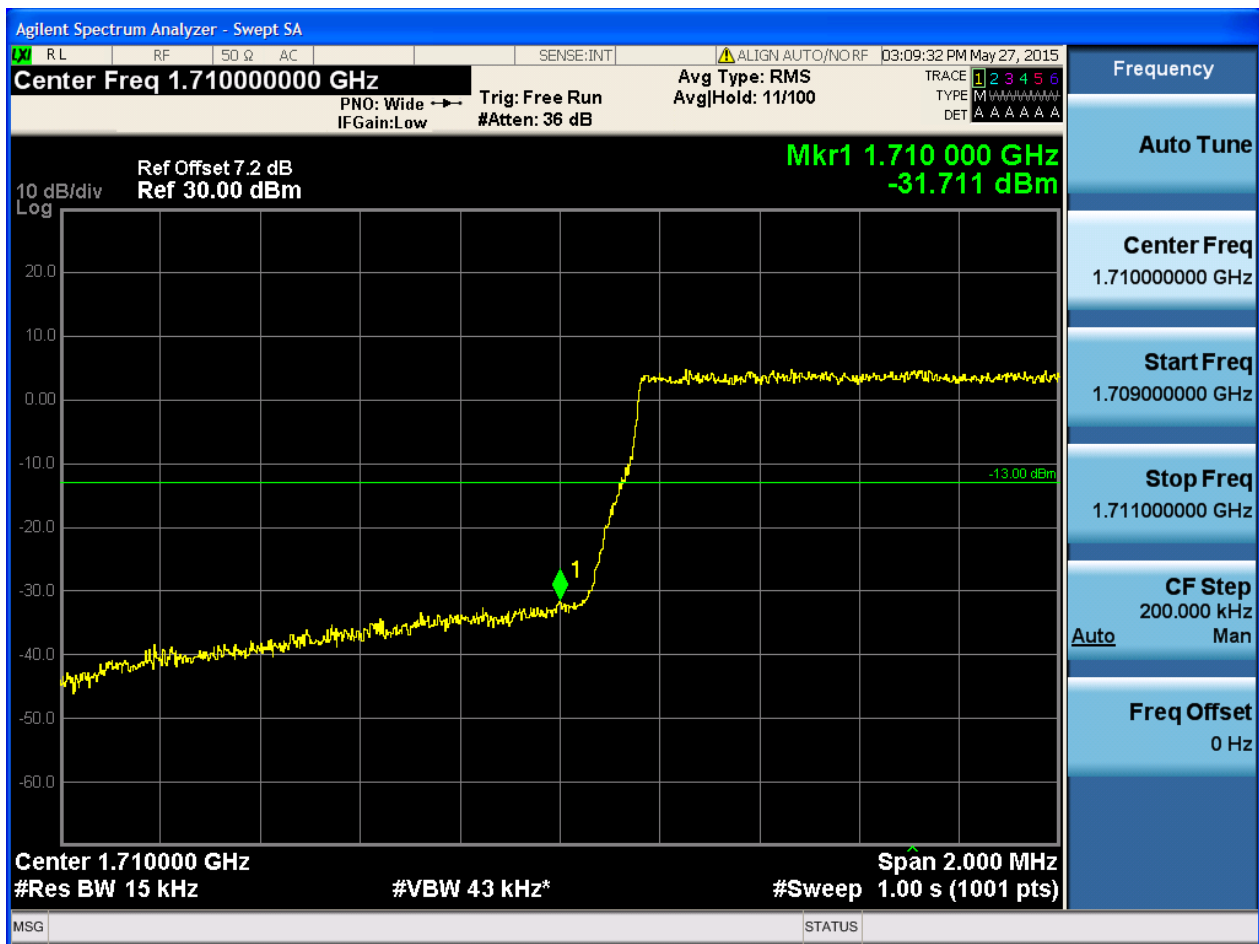


## 5.1.2.2.1.1.3 Test RB = RB3#2





## 5.1.2.2.1.1.4 Test RB = RB6#0





## 5.1.2.2.1.2 Test Channel = HCH

## 5.1.2.2.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NO RF 03:10:10 PM May 27, 2015

**Center Freq 1.755000000 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 7.2 dB  
Ref 30.00 dBm

**Mkr1 1.755 000 GHz  
-28.519 dBm**

10 dB/div  
Log

-13.00 dBm

**Center 1.755000 GHz** Span 2.000 MHz  
#Res BW 15 kHz #VBW 43 kHz\* #Sweep 1.00 s (1001 pts)

MSG STATUS

| Frequency                      |
|--------------------------------|
| Auto Tune                      |
| Center Freq<br>1.755000000 GHz |
| Start Freq<br>1.754000000 GHz  |
| Stop Freq<br>1.756000000 GHz   |
| CF Step<br>200.000 kHz<br>Man  |
| Auto                           |
| Freq Offset<br>0 Hz            |



## 5.1.2.2.1.2.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NORF 03:10:43 PM May 27, 2015

Center Freq 1.755000000 GHz Avg Type: RMS  
PNO: Wide Trg: 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 7.2 dB  
Ref 30.00 dBm

Mkr1 1.755 020 GHz  
-33.863 dBm

10 dB/div  
Log

20.0  
10.0  
0.0  
-10.0  
-20.0  
-30.0  
-40.0  
-50.0  
-60.0

-13.00 dBm

Center 1.755000 GHz Span 2.000 MHz  
#Res BW 15 kHz #VBW 43 kHz\* #Sweep 1.00 s (1001 pts)

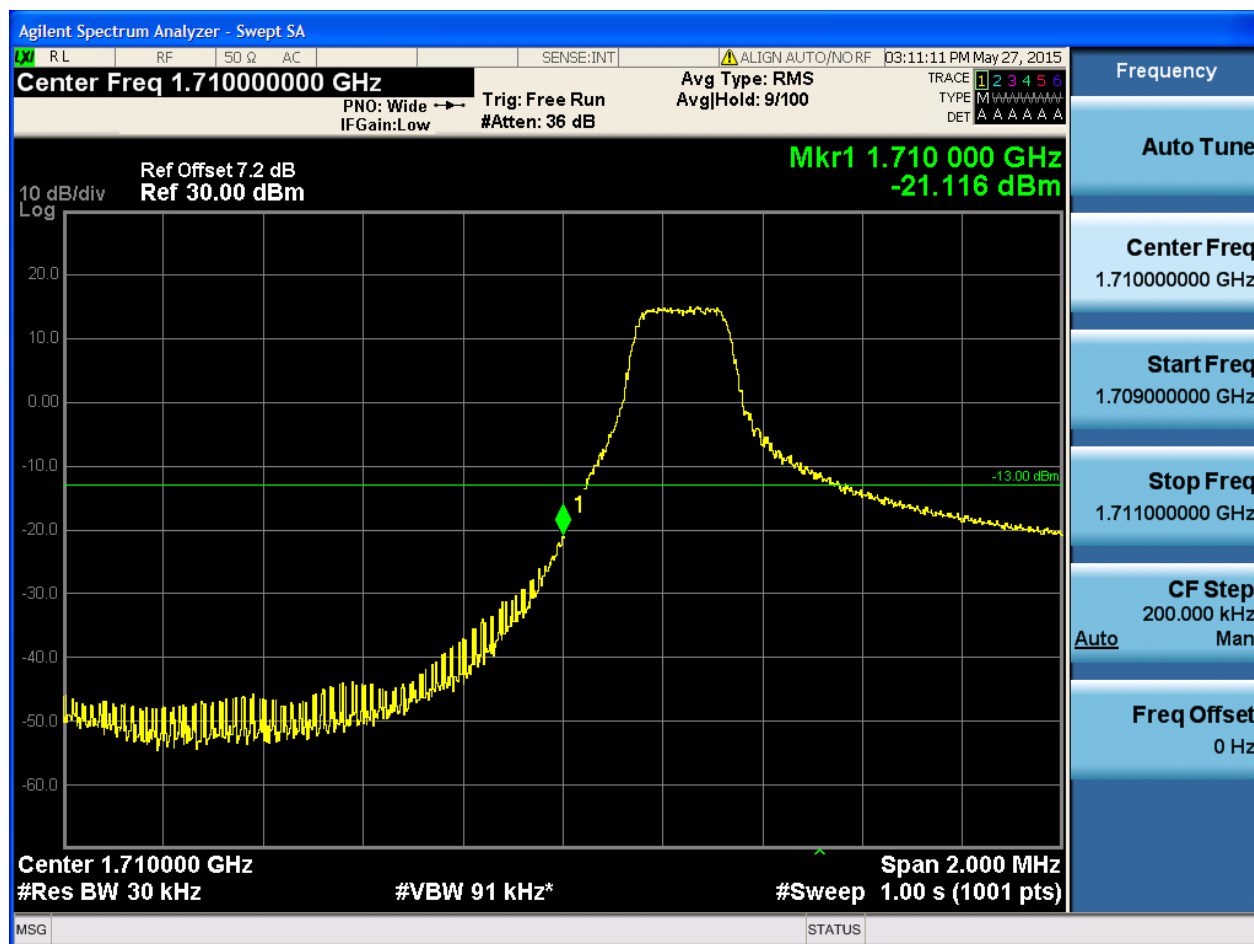
MSG STATUS

Frequency  
Auto Tune  
Center Freq  
1.755000000 GHz  
Start Freq  
1.754000000 GHz  
Stop Freq  
1.756000000 GHz  
CF Step  
200.000 kHz  
Auto Man  
Freq Offset  
0 Hz

#### 5.1.2.2.2 Test Bandwidth = 3

#### 5.1.2.2.2.1 Test Channel = LCH

#### 5.1.2.2.2.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.71000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.710 000 GHz  
-35.589 dBm

Center 1.710000 GHz  
#Res BW 30 kHz

#VBW 91 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Trig: Free Run  
#Atten: 36 dB

PNO: Wide →  
IFGain: Low

Avg Type: RMS  
AvgHold: 10/100

ALIGN AUTO/NO RF

03:11:26 PM May 27, 2015

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

Frequency

Auto Tune

Center Freq  
1.710000000 GHz

Start Freq  
1.709000000 GHz

Stop Freq  
1.711000000 GHz

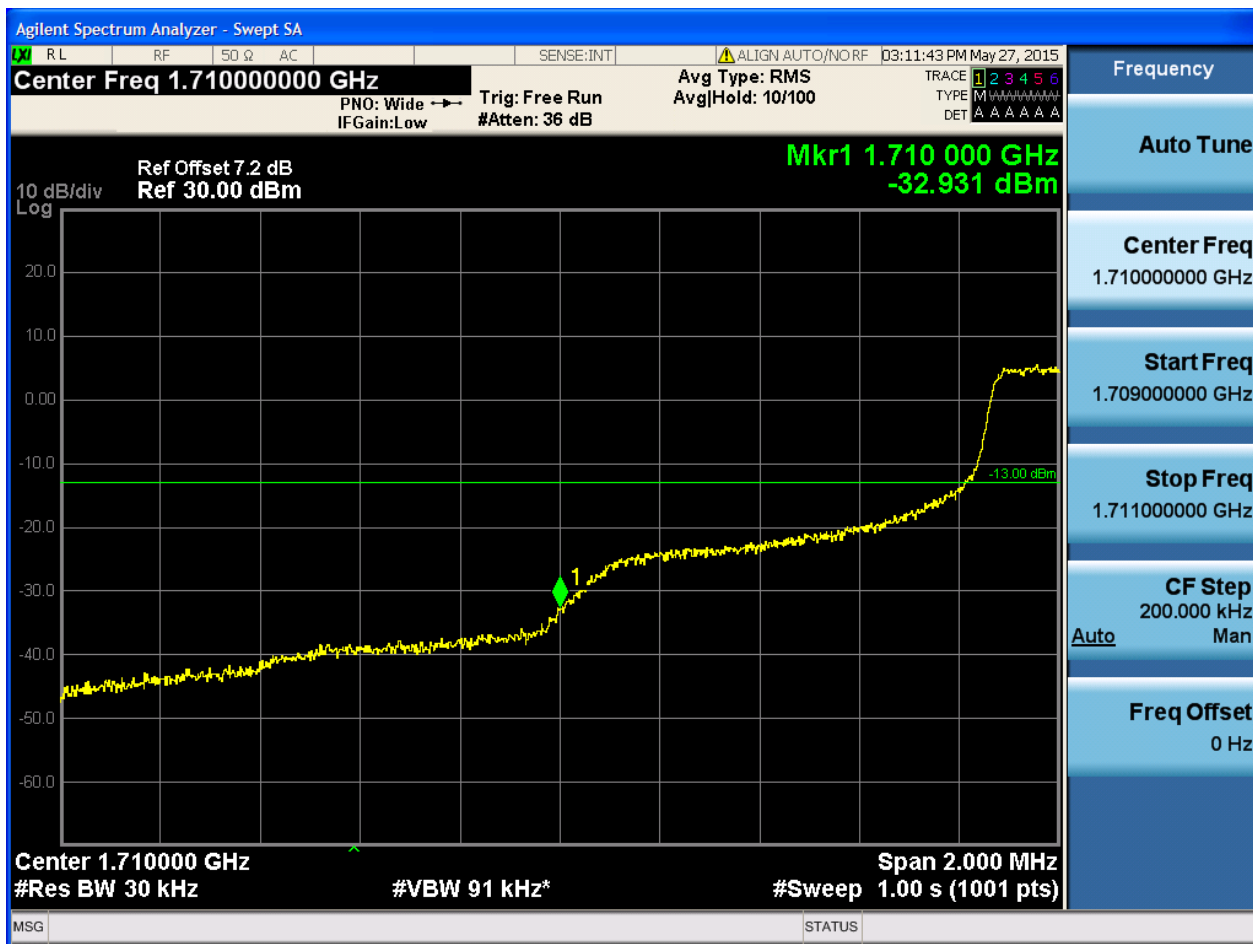
CF Step  
200.000 kHz  
Man

Auto

Freq Offset  
0 Hz

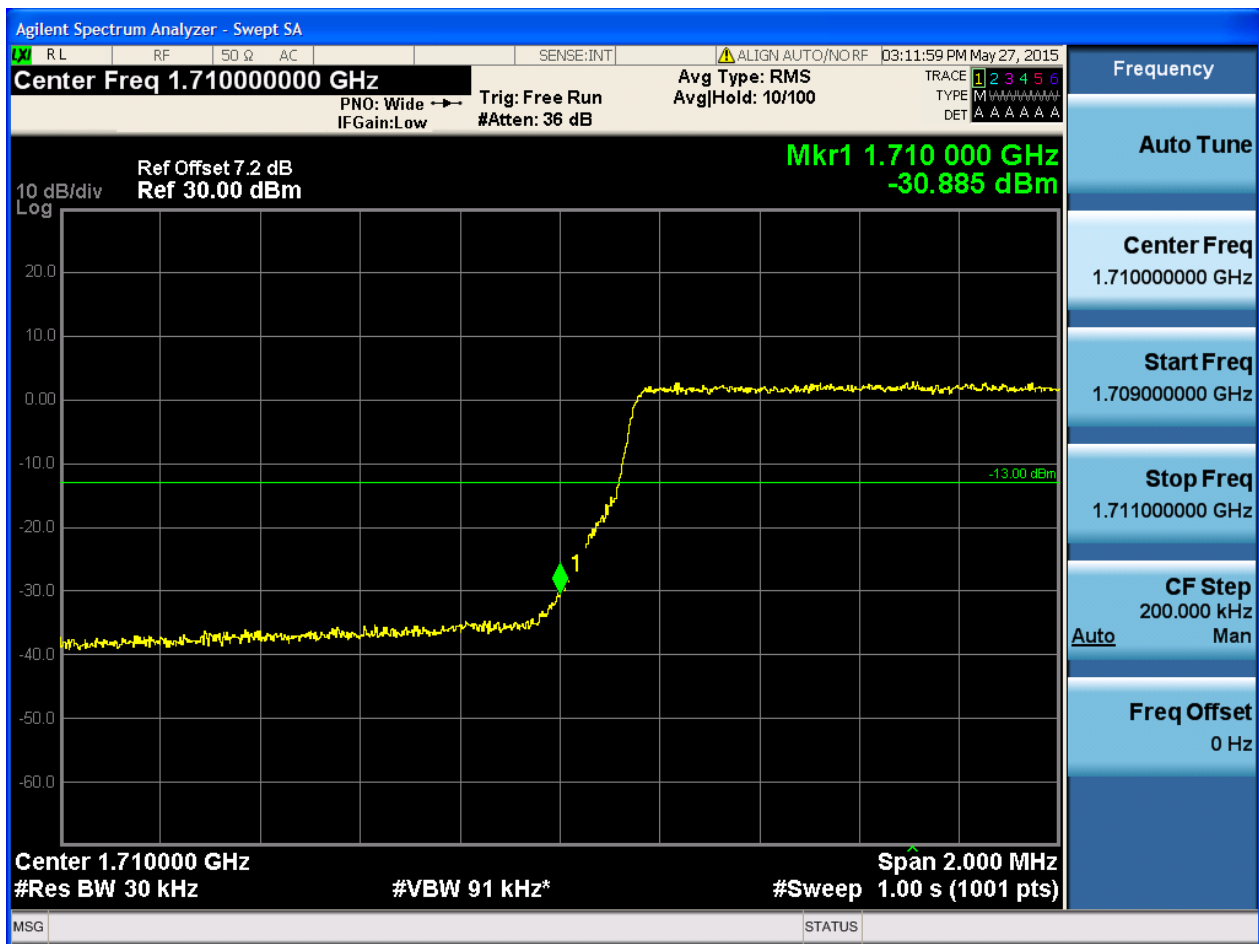


## 5.1.2.2.1.3 Test RB = RB8#4





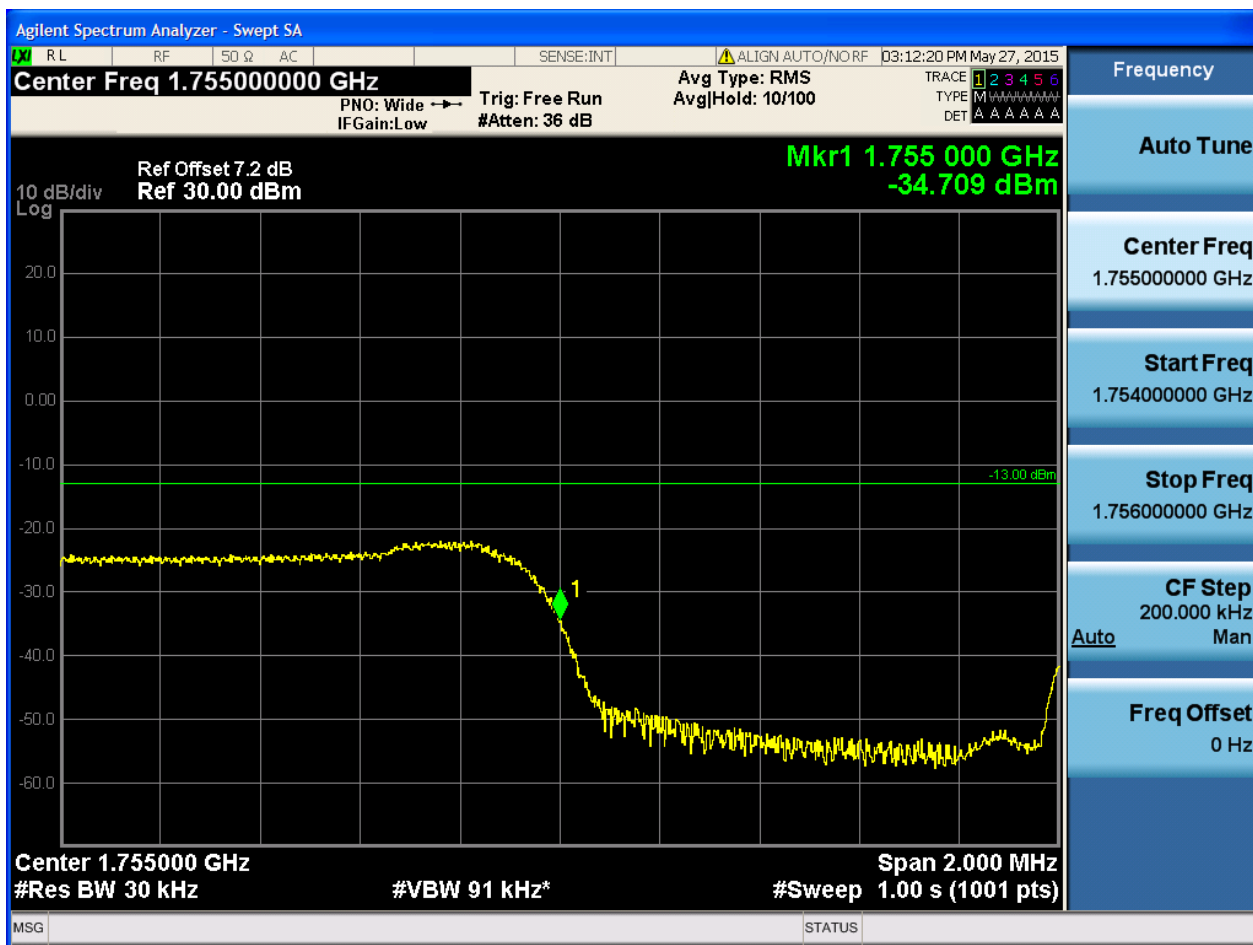
## 5.1.2.2.1.4 Test RB = RB15#0





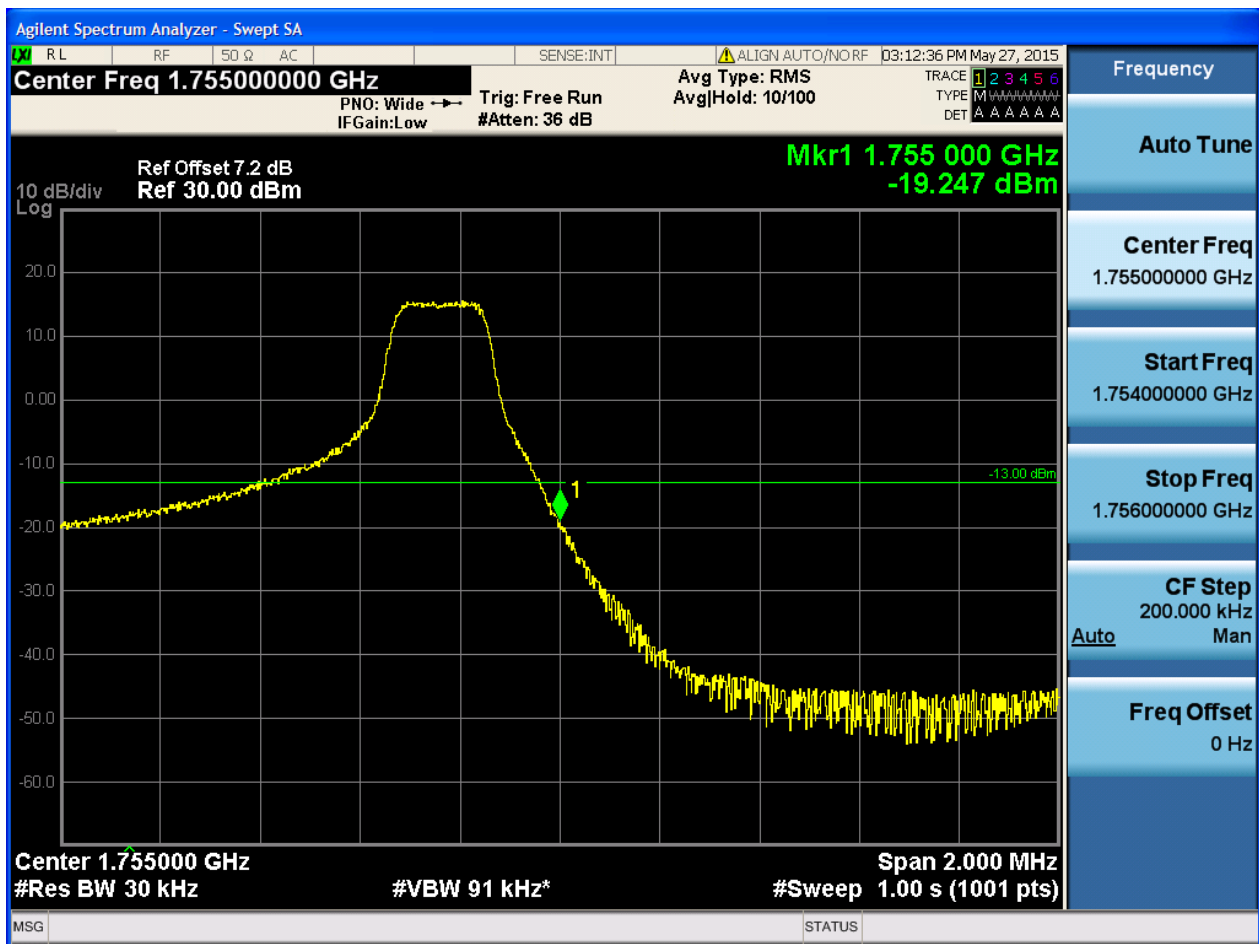
## 5.1.2.2.2 Test Channel = HCH

## 5.1.2.2.2.1 Test RB = RB1#0





## 5.1.2.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.755 000 GHz  
-33.692 dBm

Center 1.755000 GHz  
#Res BW 30 kHz  
#VBW 91 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.755 000 GHz  
-29.557 dBm

Center 1.755000 GHz  
#Res BW 30 kHz

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

#VBW 91 kHz\*

Trig: Free Run  
#Atten: 36 dB

PNO: Wide  
IFGain: Low

Avg Type: RMS  
Avg/Hold: 10/100

ALIGN AUTO/NO RF

03:13:09 PM May 27, 2015

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

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

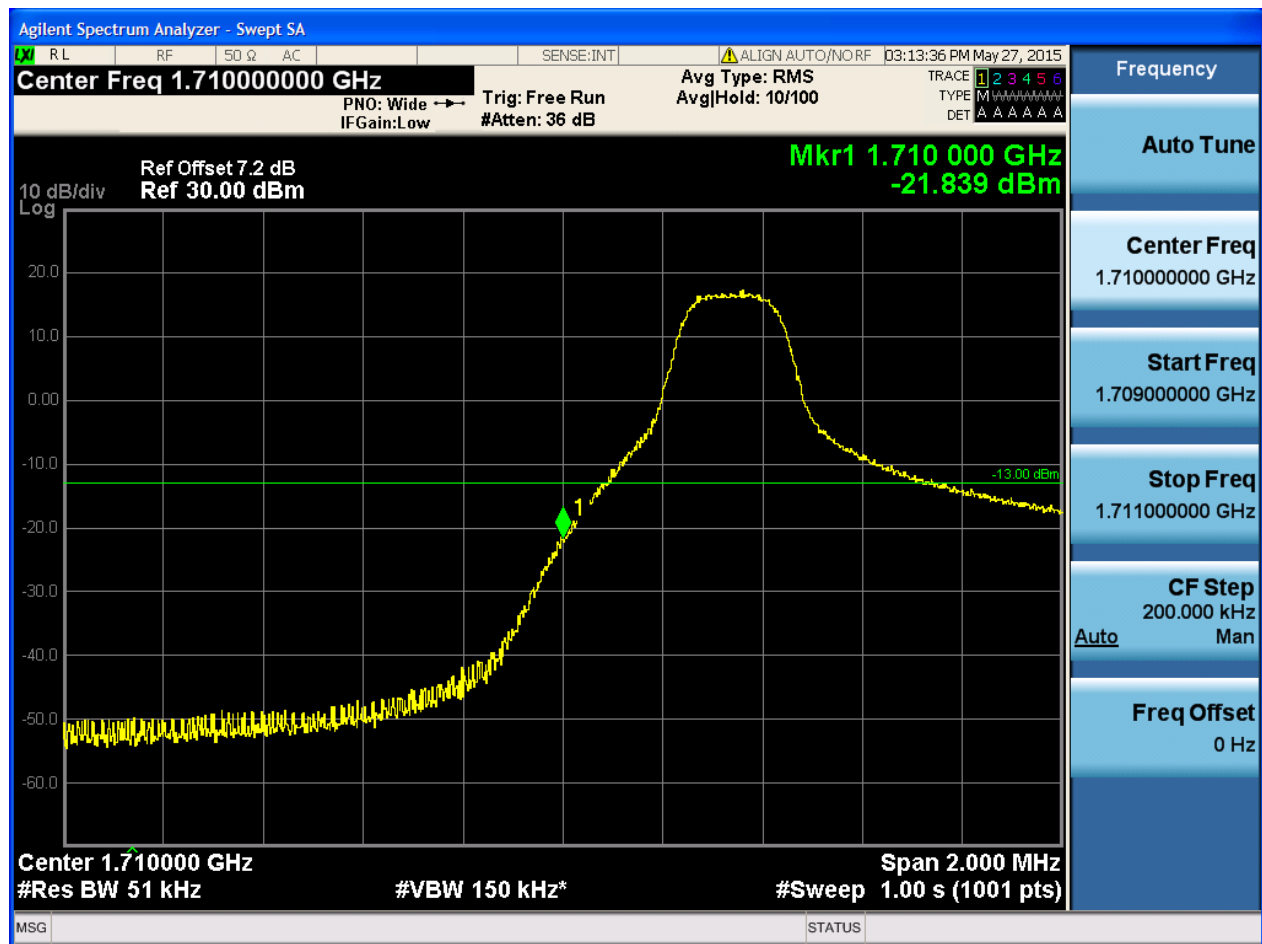
Auto

Freq Offset  
0 Hz

### 5.1.2.2.3 Test Bandwidth = 5

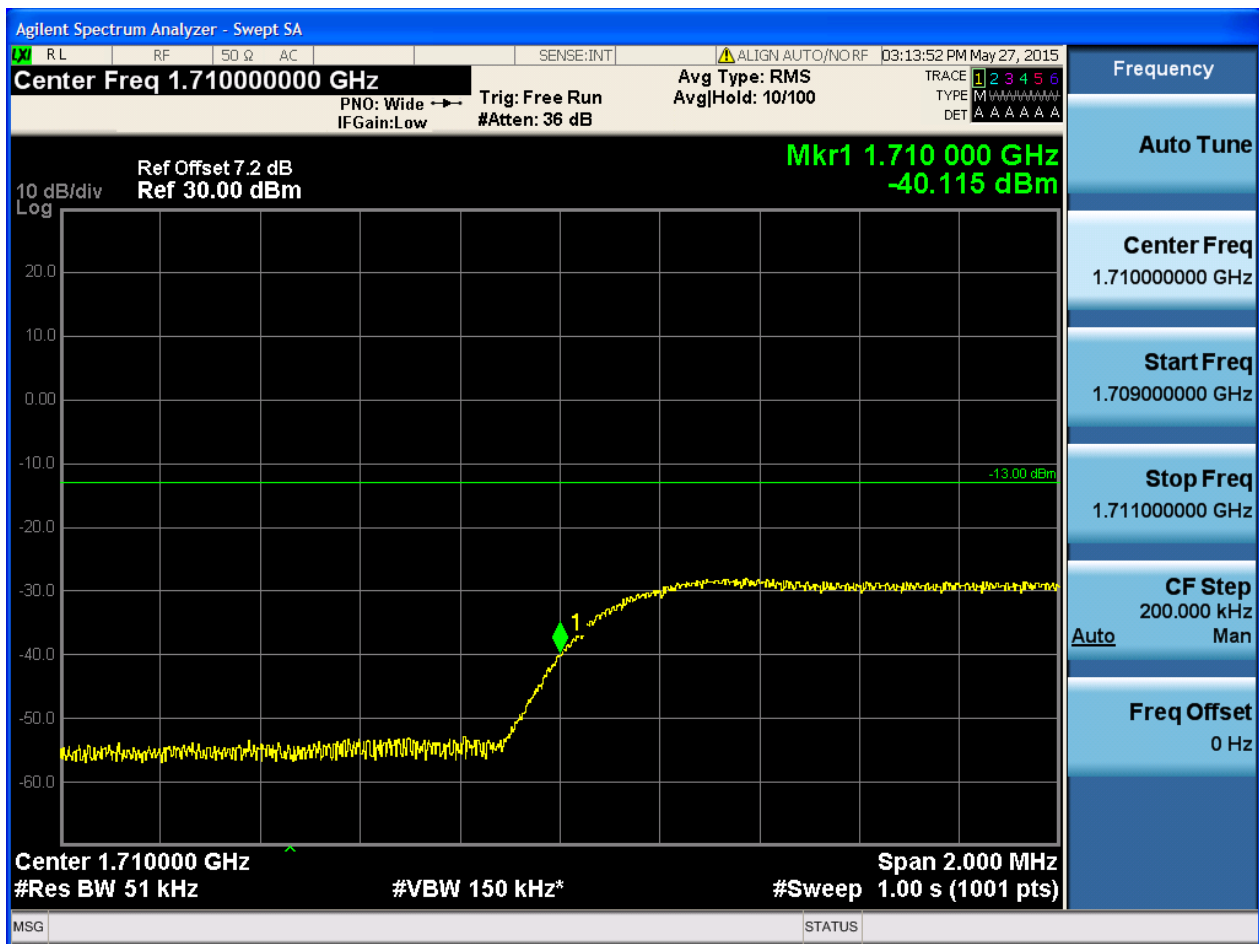
#### 5.1.2.2.3.1 Test Channel = LCH

##### 5.1.2.2.3.1.1 Test RB = RB1#0





## 5.1.2.2.3.1.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NO RF 03:14:08 PM May 27, 2015

Center Freq 1.71000000 GHz Avg Type: RMS  
PNO: Wide Trg: Free Run  
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 7.2 dB  
Ref 30.00 dBm

Mkr1 1.709 990 GHz  
-34.886 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  
1.71000000 GHz

Start Freq  
1.709000000 GHz

Stop Freq  
1.711000000 GHz

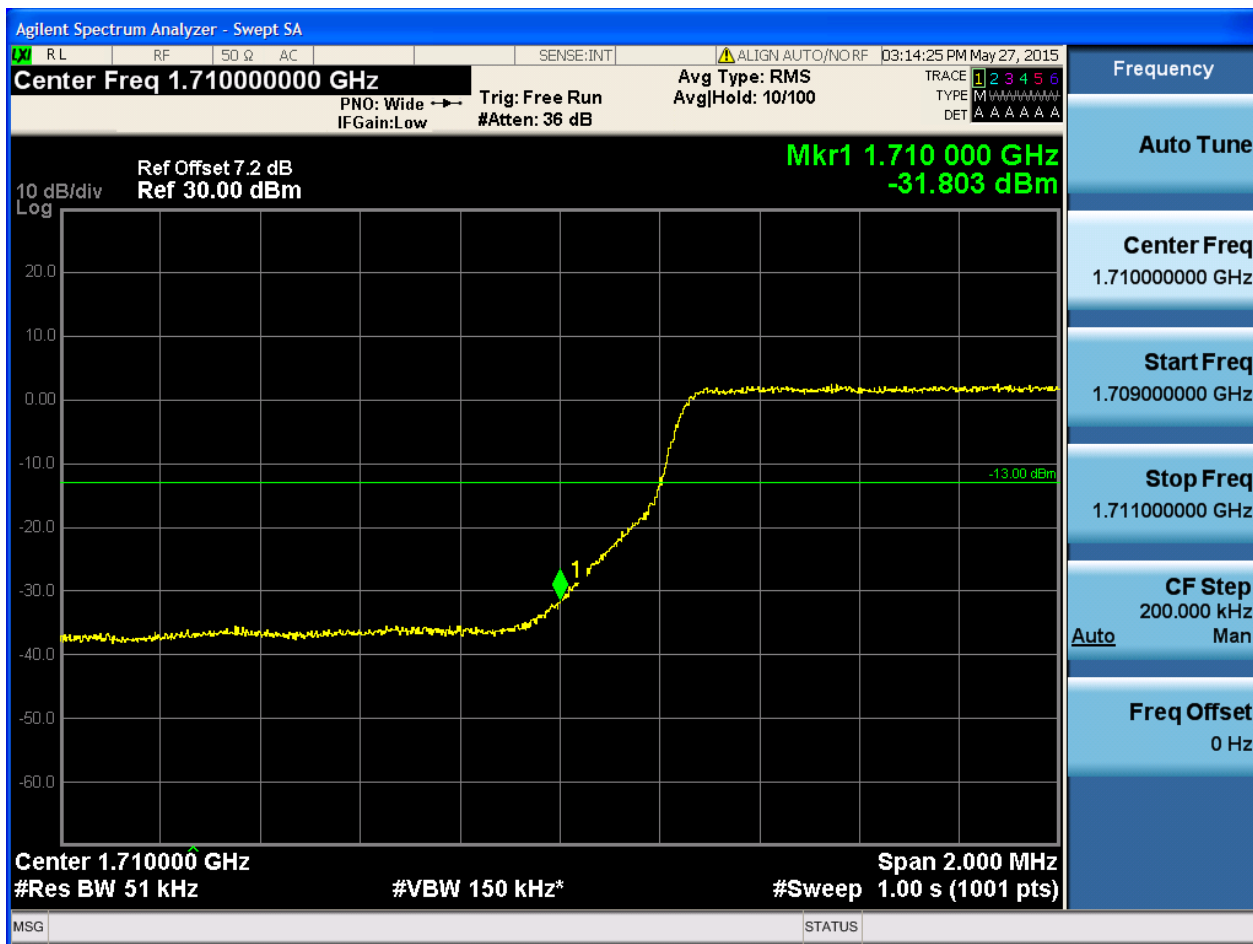
CF Step  
200.000 kHz  
Man

Auto

Freq Offset  
0 Hz



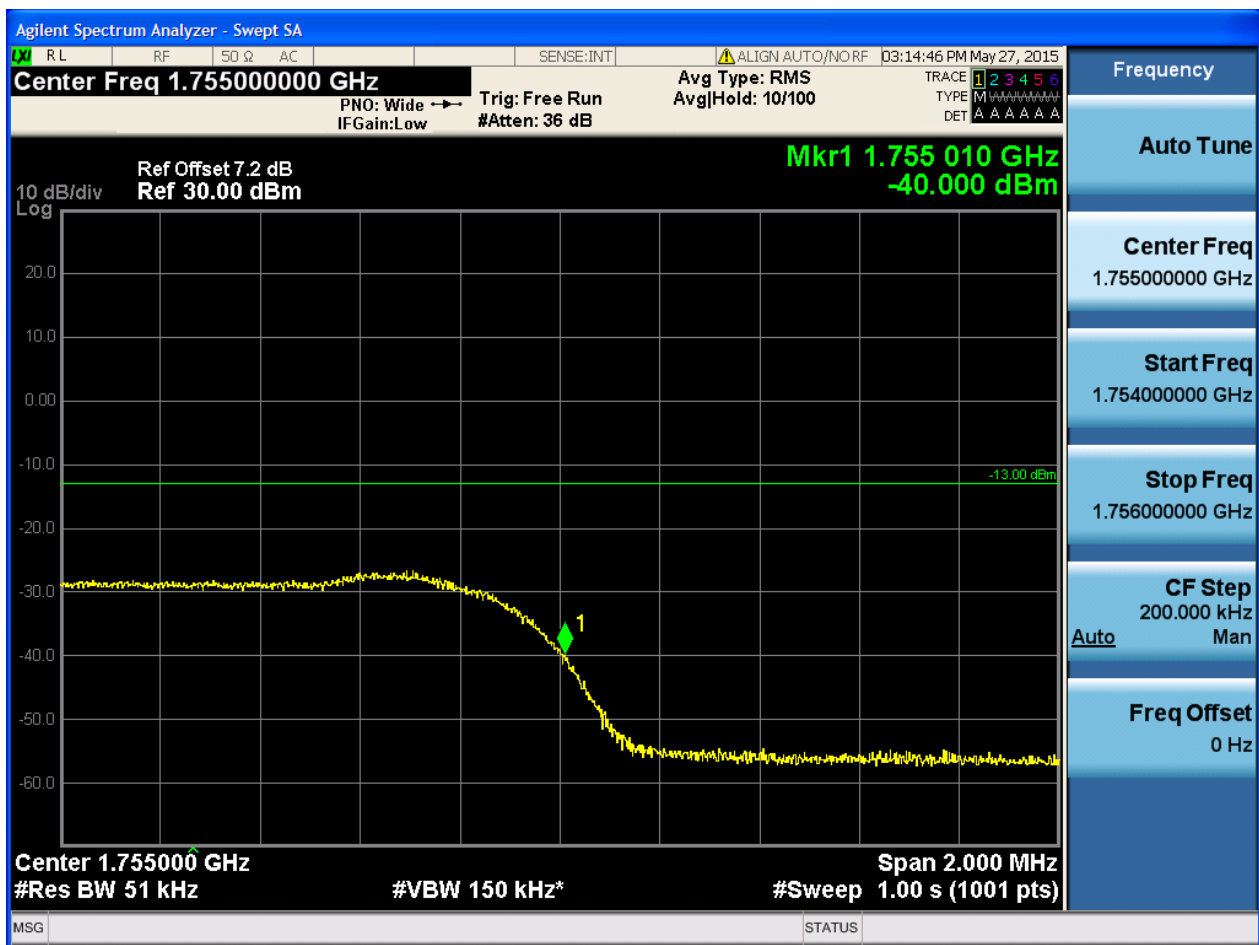
## 5.1.2.2.3.1.4 Test RB = RB25#0





## 5.1.2.2.3.2 Test Channel = HCH

## 5.1.2.2.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.755 010 GHz  
-22.755 dBm

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

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 1.75500000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.755 010 GHz  
-35.736 dBm

Center 1.755000 GHz  
#Res BW 51 kHz  
#VBW 150 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NO RF 03:15:35 PM May 27, 2015

Center Freq 1.755000000 GHz Avg Type: RMS  
PNO: Wide Trg: Free Run  
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 7.2 dB  
Ref 30.00 dBm

Mkr1 1.755 000 GHz  
-31.741 dBm

10 dB/div  
Log

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

MSG STATUS

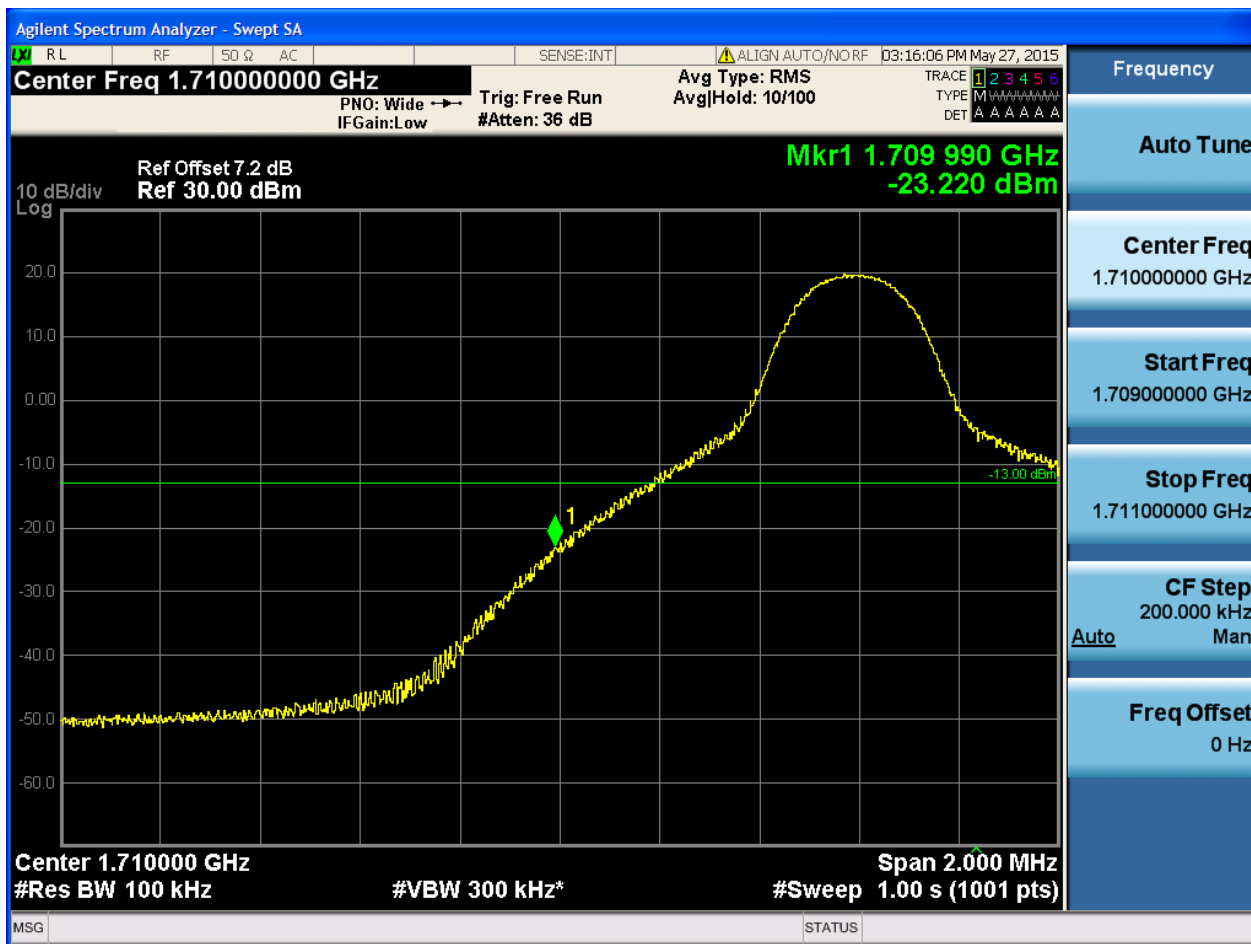
Frequency  
Auto Tune  
Center Freq  
1.755000000 GHz  
Start Freq  
1.754000000 GHz  
Stop Freq  
1.756000000 GHz  
CF Step  
200.000 kHz  
Auto  
Man  
Freq Offset  
0 Hz



## 5.1.2.2.4 Test Bandwidth = 10

## 5.1.2.2.4.1 Test Channel = LCH

## 5.1.2.2.4.1.1 Test RB = RB1#0



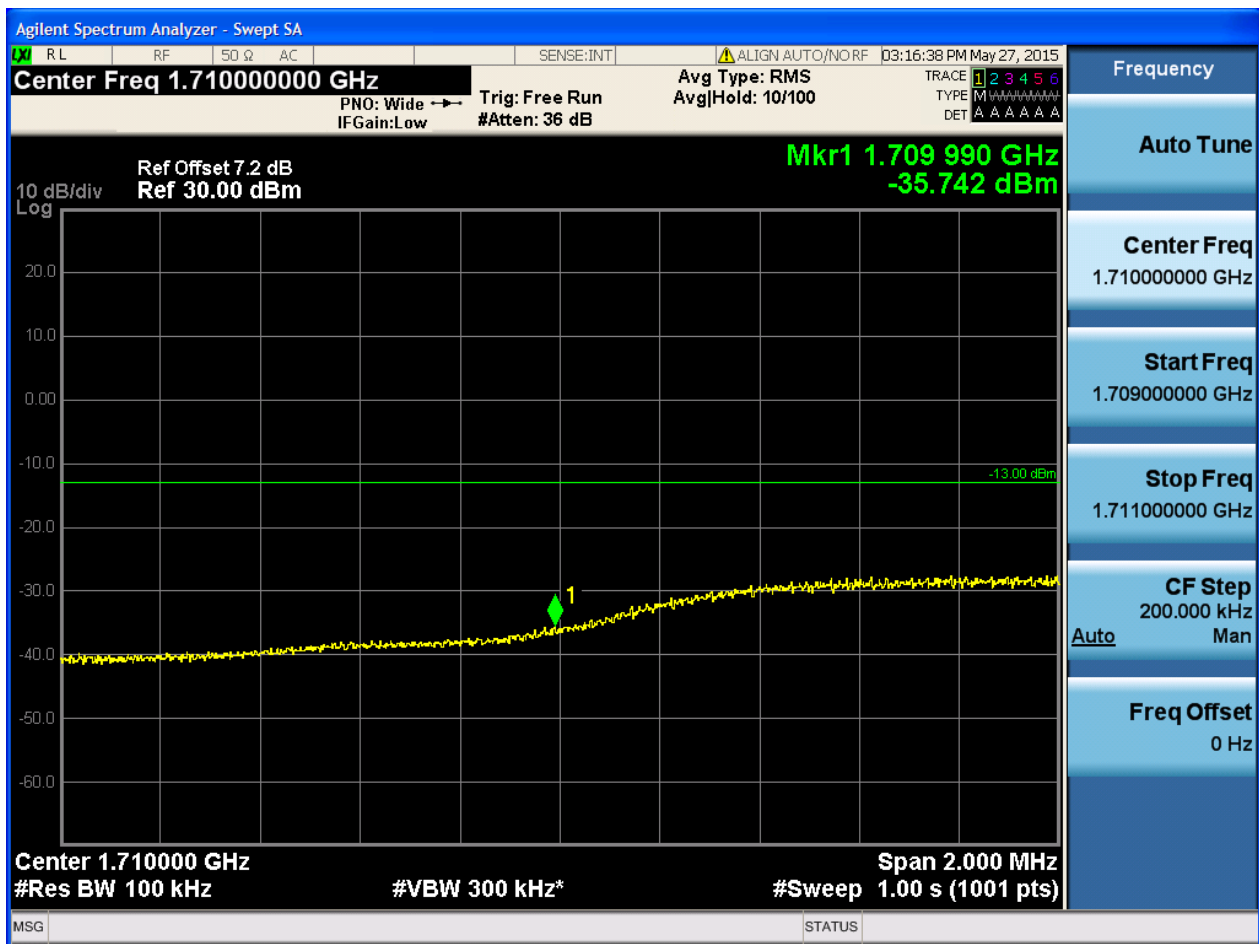


## 5.1.2.2.4.1.2 Test RB = RB1#49





## 5.1.2.2.4.1.3 Test RB = RB25#13





## 5.1.2.2.4.1.4 Test RB = RB50#0





## 5.1.2.2.4.2 Test Channel = HCH

## 5.1.2.2.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.755 000 GHz  
-22.261 dBm

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Auto

Freq Offset  
0 Hz

Center 1.755000 GHz  
#Res BW 100 kHz

#VBW 300 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)



## 5.1.2.2.4.2.3 Test RB = RB25#13





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Trig: Free Run  
#Atten: 36 dB

Avg Type: RMS  
Avg/Hold: 10/100

ALIGN AUTO/NORF

03:18:04 PM May 27, 2015

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

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Auto

Freq Offset  
0 Hz

Mkr1 1.755 000 GHz  
-34.533 dBm

-13.00 dBm

1

Center 1.755000 GHz  
#Res BW 100 kHz

#VBW 300 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

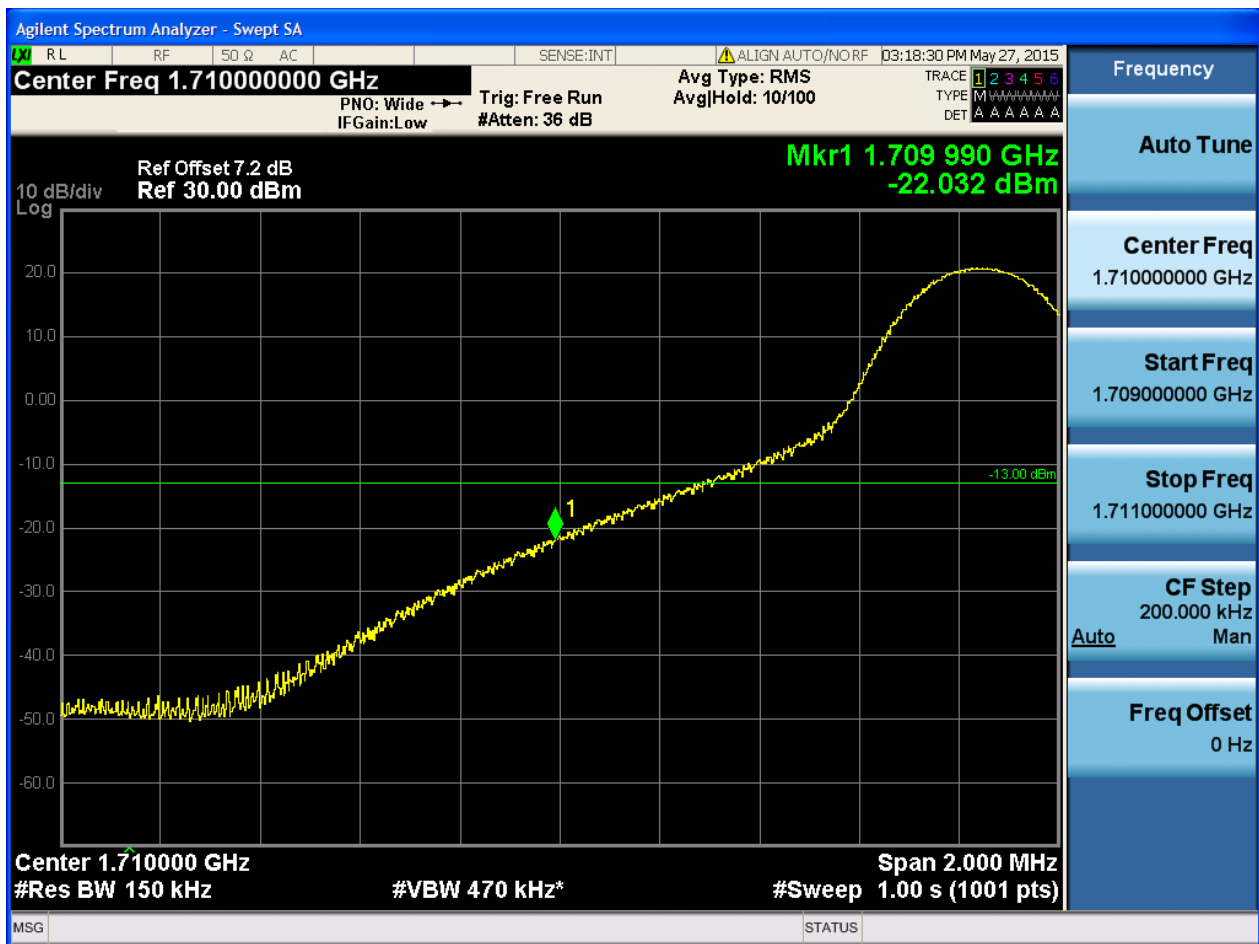
MSG STATUS



## 5.1.2.2.5 Test Bandwidth = 15

## 5.1.2.2.5.1 Test Channel = LCH

## 5.1.2.2.5.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.71000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 1.709 990 GHz  
-42.872 dBm

Start Freq 1.709000000 GHz

Stop Freq 1.711000000 GHz

CF Step 200.000 kHz  
Auto

Freq Offset 0 Hz

Center 1.710000 GHz

#Res BW 150 kHz

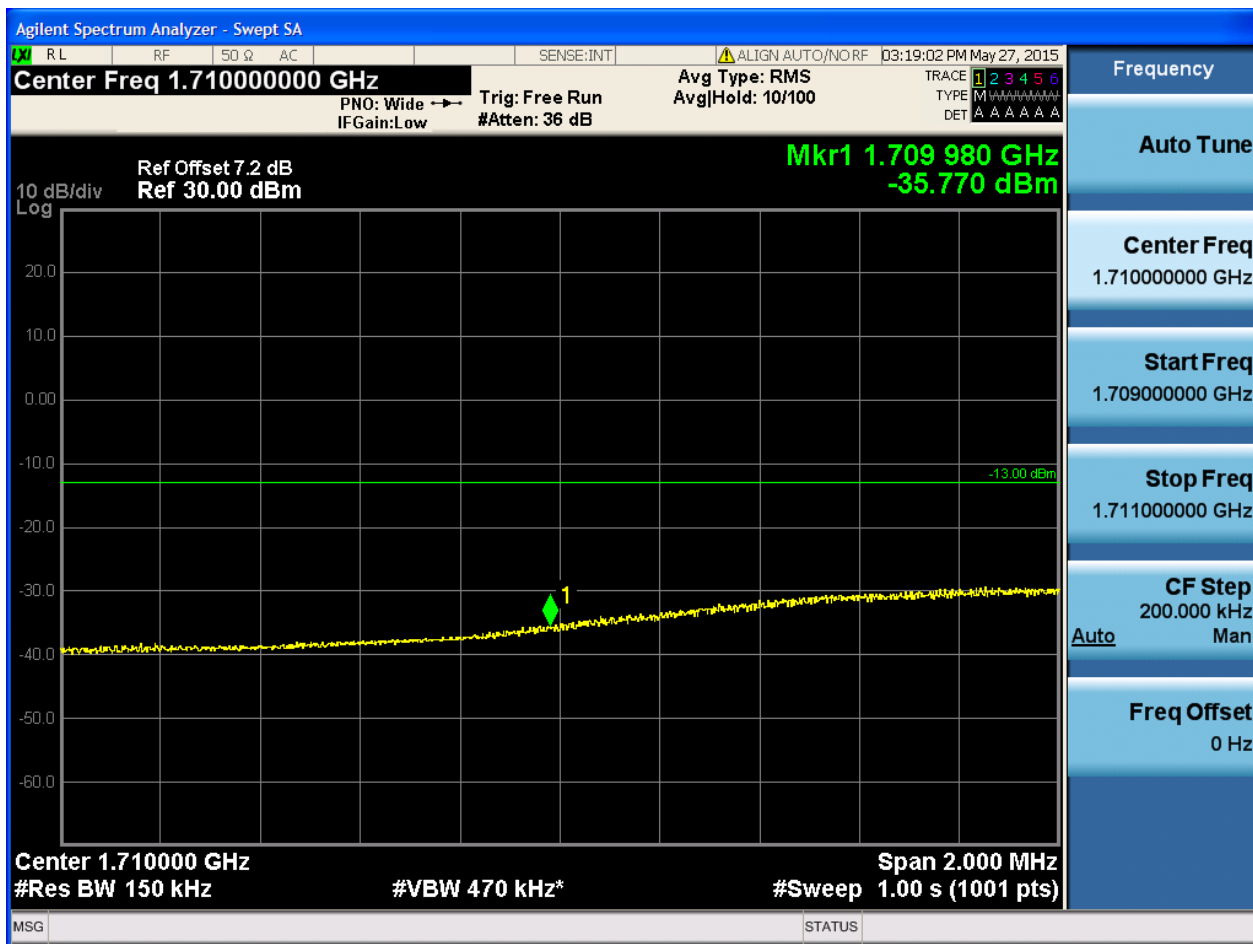
#VBW 470 kHz\*

Span 2.000 MHz

#Sweep 1.00 s (1001 pts)

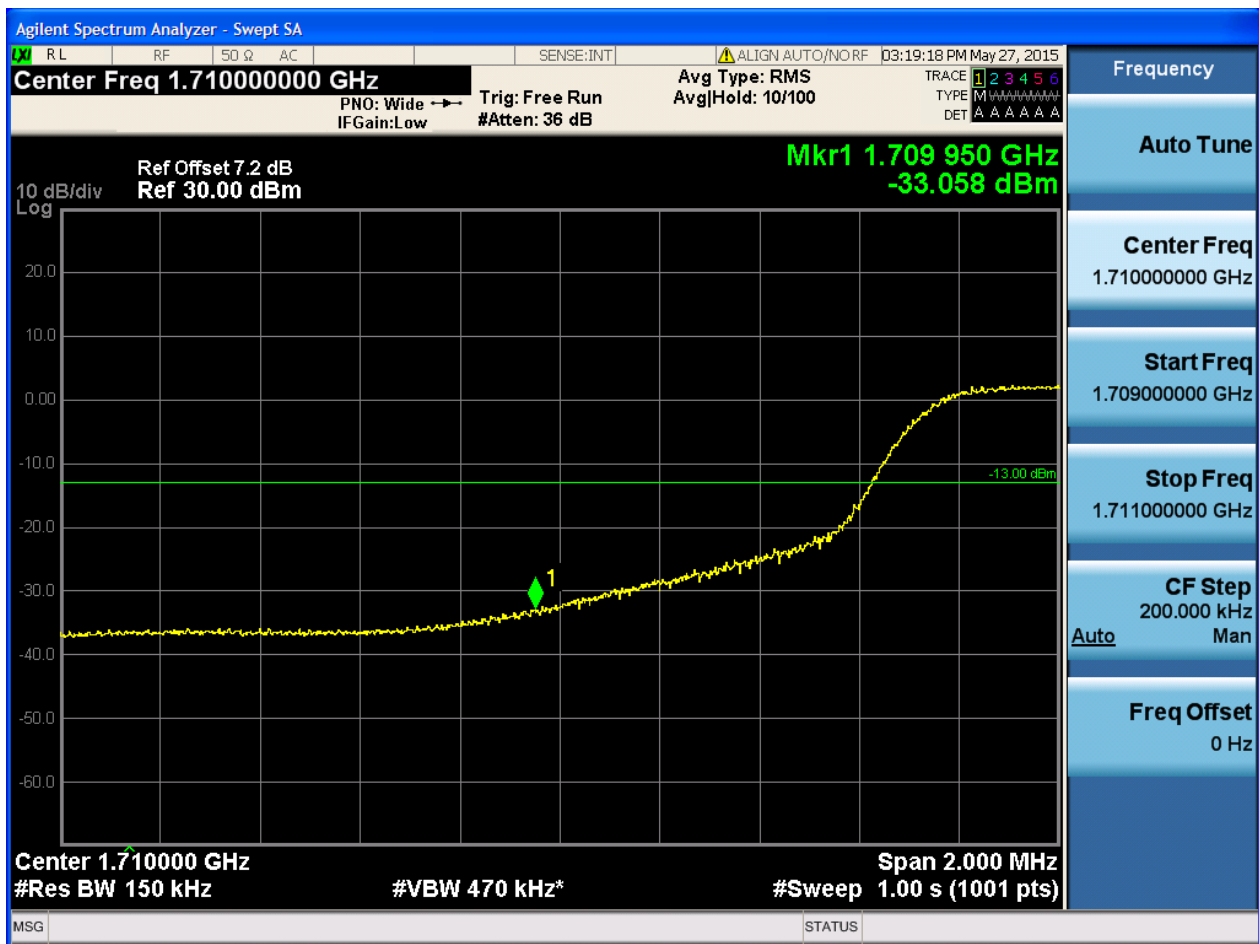


## 5.1.2.2.5.1.3 Test RB = RB38#19





## 5.1.2.2.5.1.4 Test RB = RB75#0





## 5.1.2.2.5.2 Test Channel = HCH

## 5.1.2.2.5.1.2 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.755000000 GHz

Ref Offset 7.2 dB  
Ref 30.00 dBm

10 dB/div  
Log

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

Mkr1 1.755 000 GHz  
-21.815 dBm

Auto Tune

Center Freq  
1.755000000 GHz

Start Freq  
1.754000000 GHz

Stop Freq  
1.756000000 GHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz



## 5.1.2.2.5.2.3 Test RB = RB38#19





## 5.1.2.2.5.2.4 Test RB = RB75#0

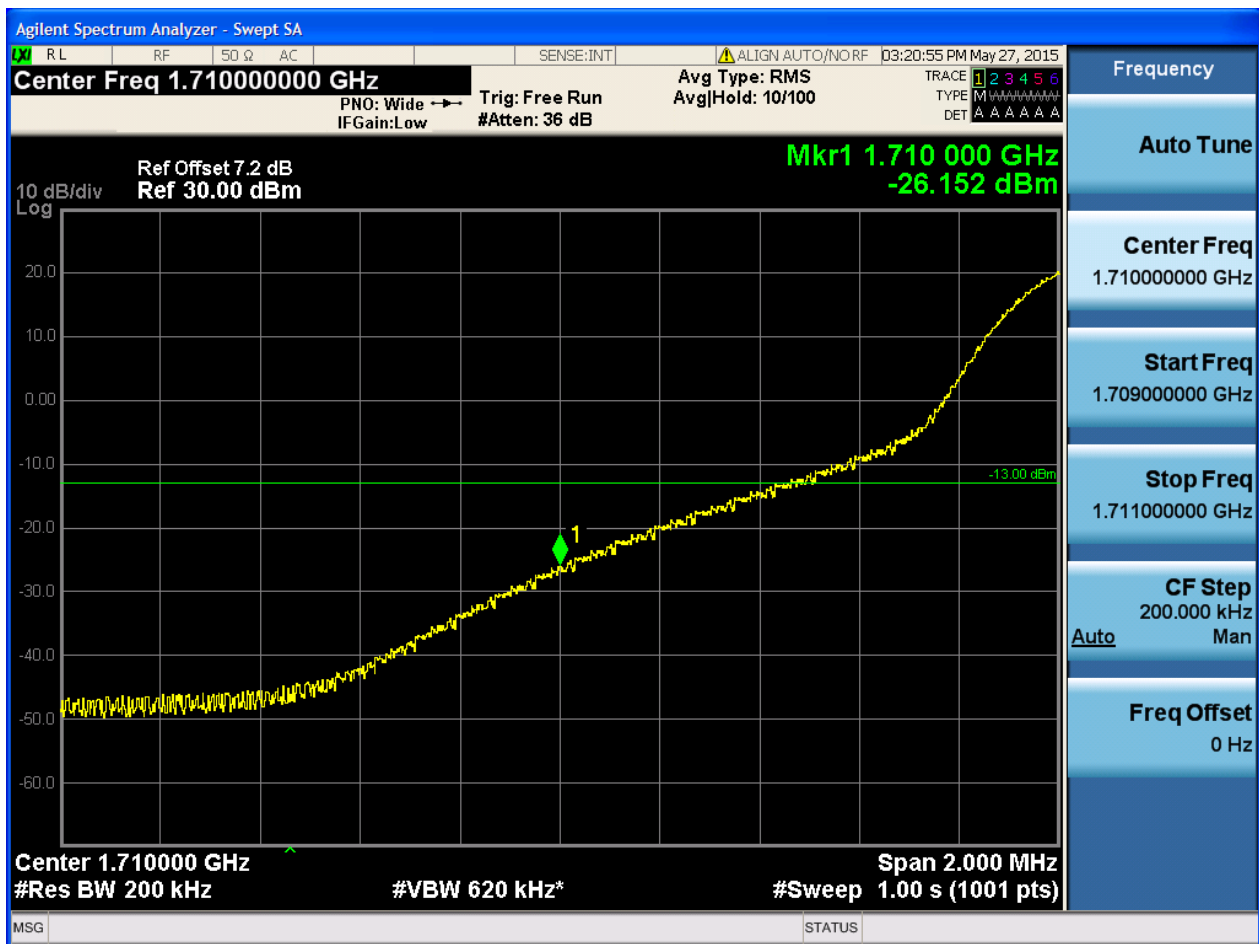




## 5.1.2.2.6 Test Bandwidth = 20

## 5.1.2.2.6.1 Test Channel = LCH

## 5.1.2.2.6.1.1 Test RB = RB1#0



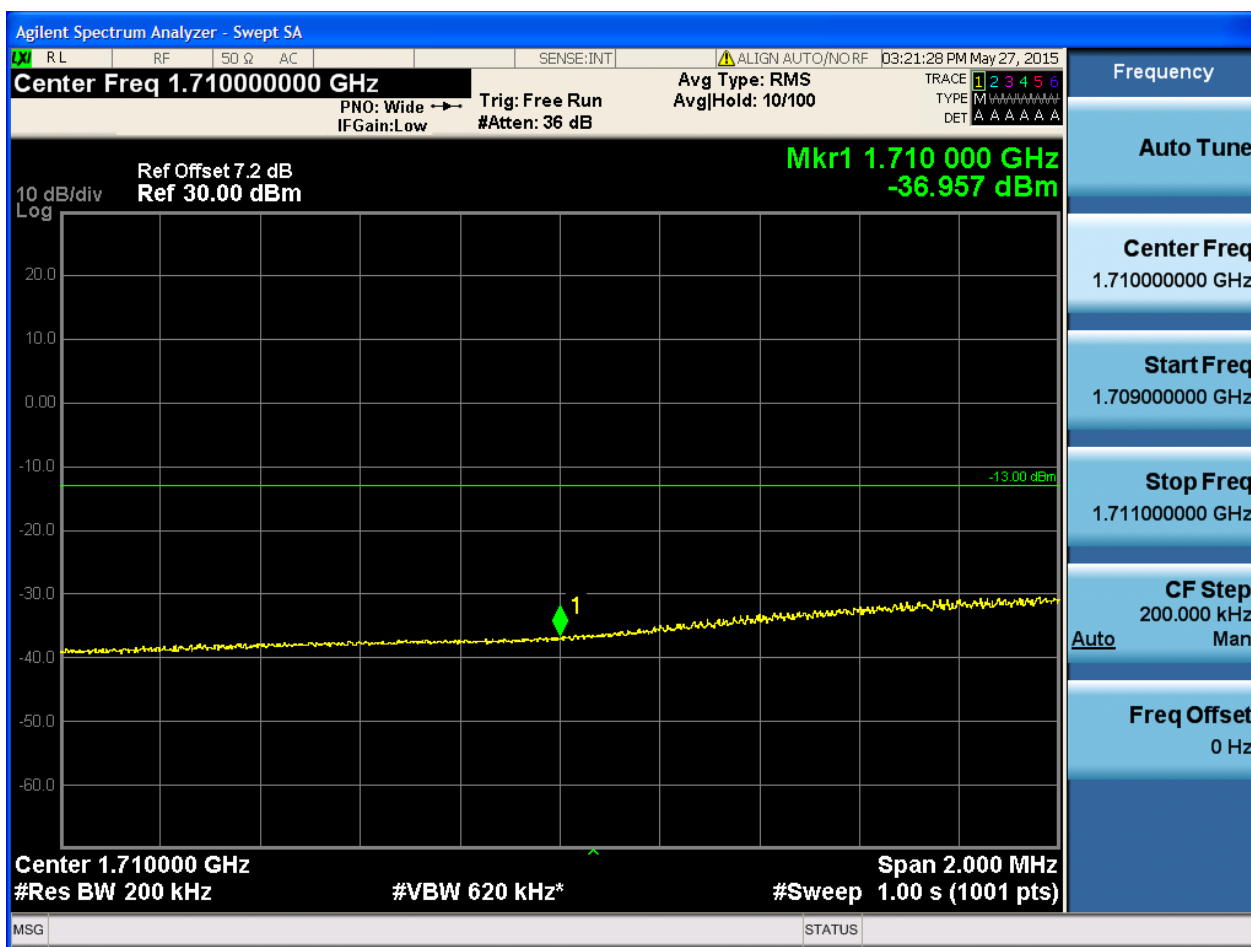


## 5.1.2.2.6.1.2 Test RB = RB1#99





## 5.1.2.2.6.1.3 Test RB = RB50#25





## 5.1.2.2.6.1.4 Test RB = RB100#0





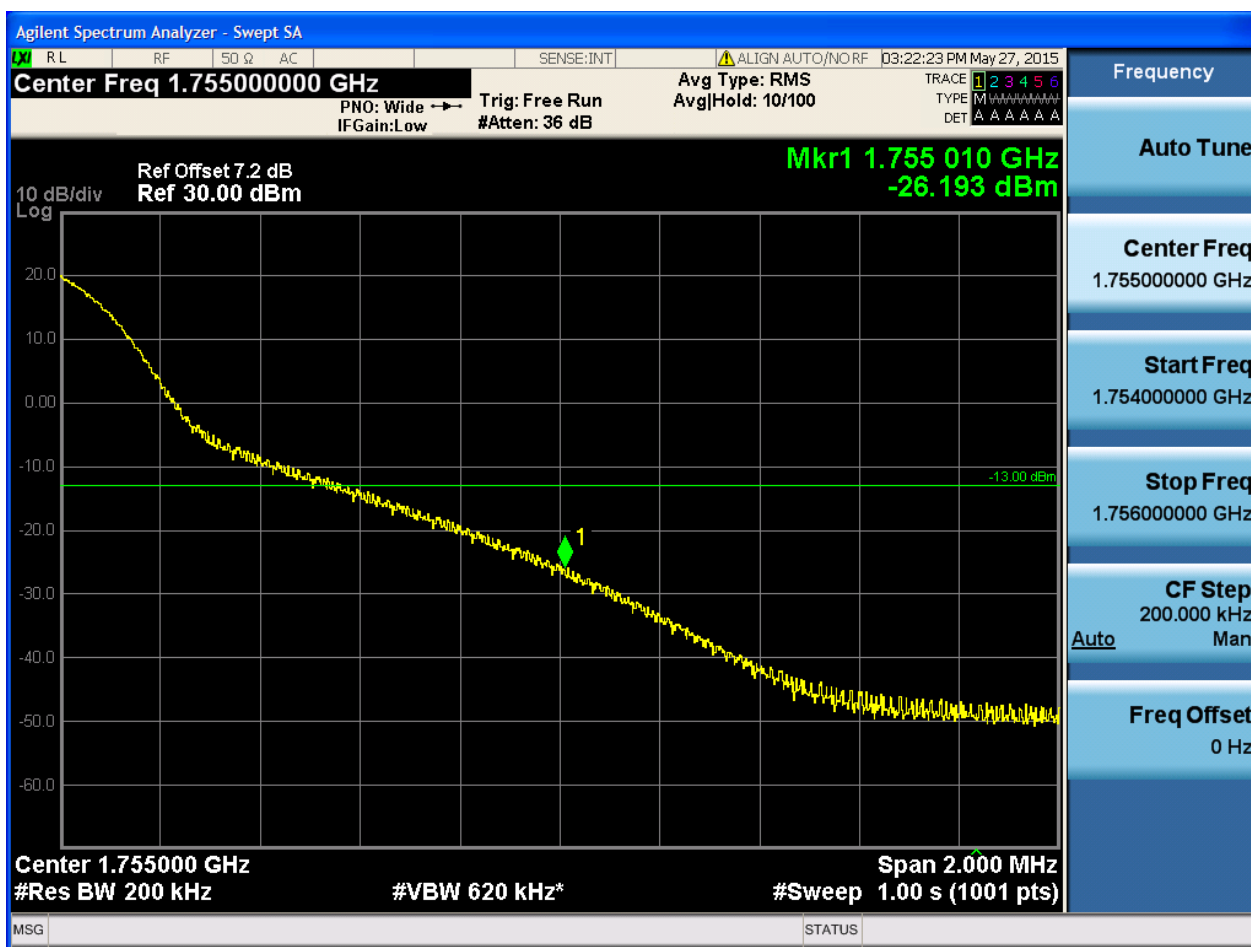
## 5.1.2.2.6.2 Test Channel = HCH

## 5.1.2.2.6.2.1 Test RB = RB1#0





## 5.1.2.2.6.2.2 Test RB = RB1#99





## 5.1.2.2.6.2.3 Test RB = RB50#25





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NO RF 03:22:55 PM May 27, 2015

**Center Freq 1.75500000 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 7.2 dB  
Ref 30.00 dBm

**Mkr1 1.755 000 GHz**  
**-34.528 dBm**

10 dB/div  
Log

-13.00 dBm

**Center 1.755000 GHz**  
**#Res BW 200 kHz**  
**#VBW 620 kHz\***  
**Span 2.000 MHz**  
**#Sweep 1.00 s (1001 pts)**

MSG STATUS

Frequency  
Auto Tune  
Center Freq  
1.755000000 GHz  
Start Freq  
1.754000000 GHz  
Stop Freq  
1.756000000 GHz  
CF Step  
200.000 kHz  
Man  
Auto  
Freq Offset  
0 Hz



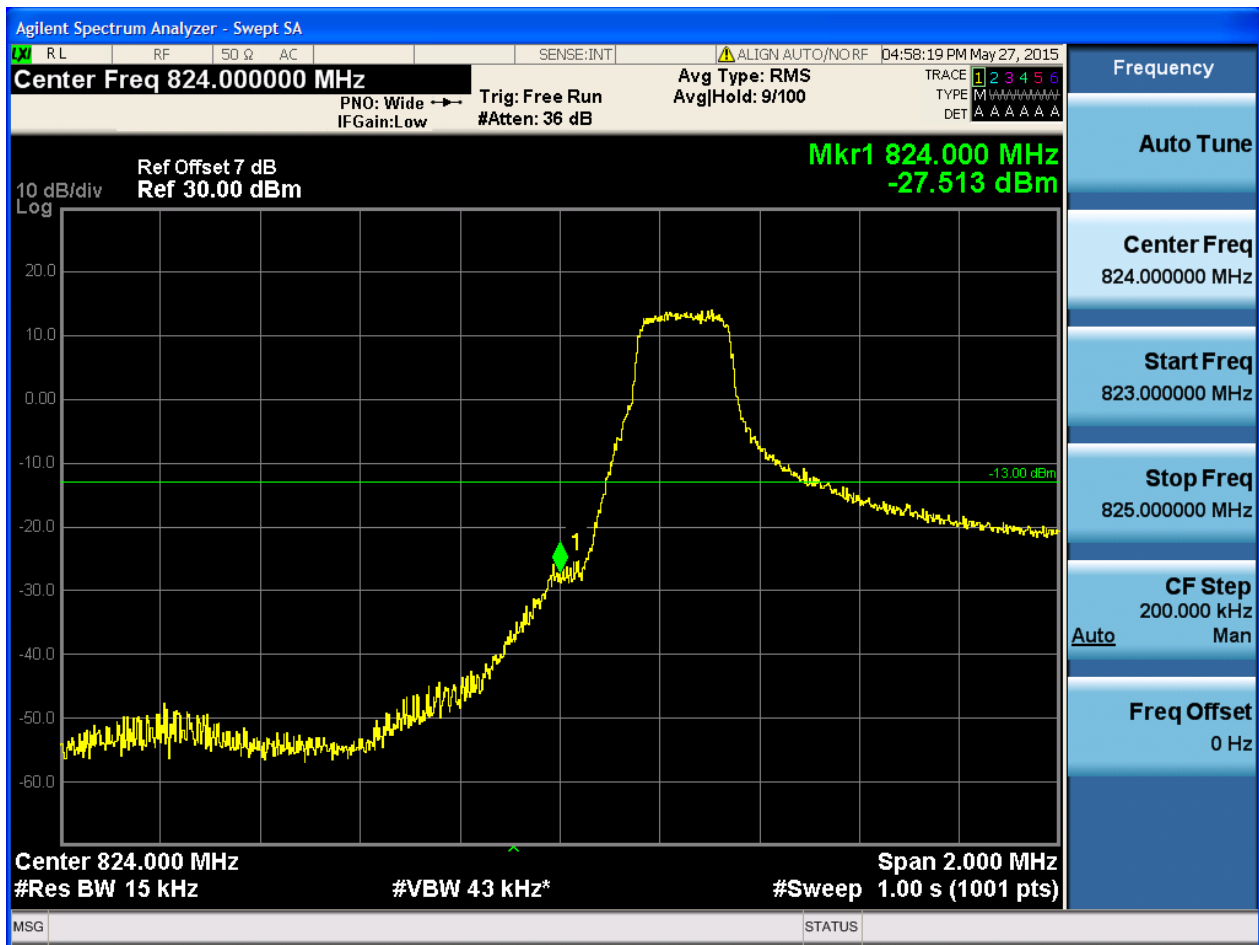
### 5.1.3 Test Band = BAND5

#### 5.1.3.1 Test Mode = LTE/TM1

##### 5.1.3.1.1 Test Bandwidth = 1.4

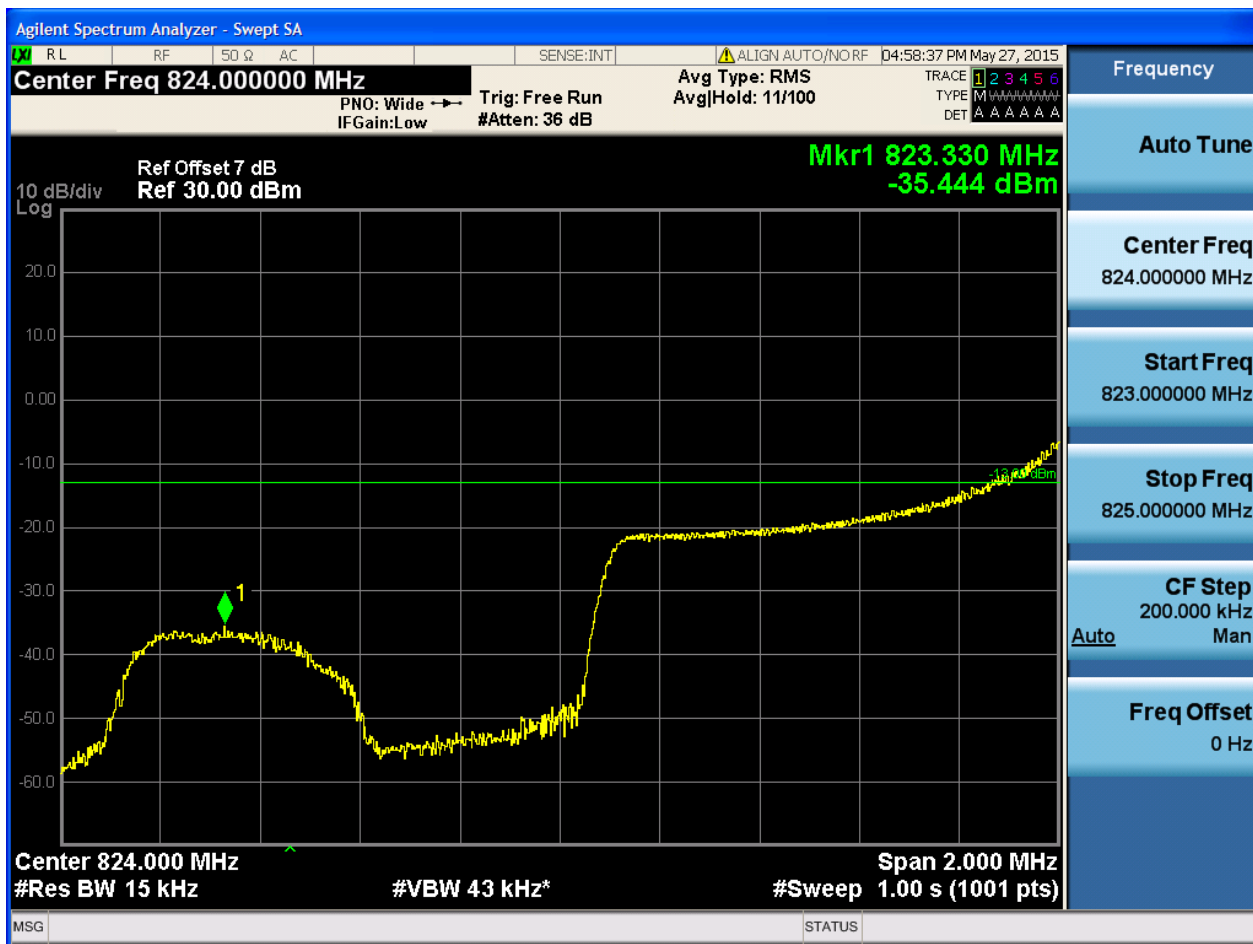
##### 5.1.3.1.1.1 Test Channel = LCH

##### 5.1.3.1.1.1.1 Test RB = RB1#0



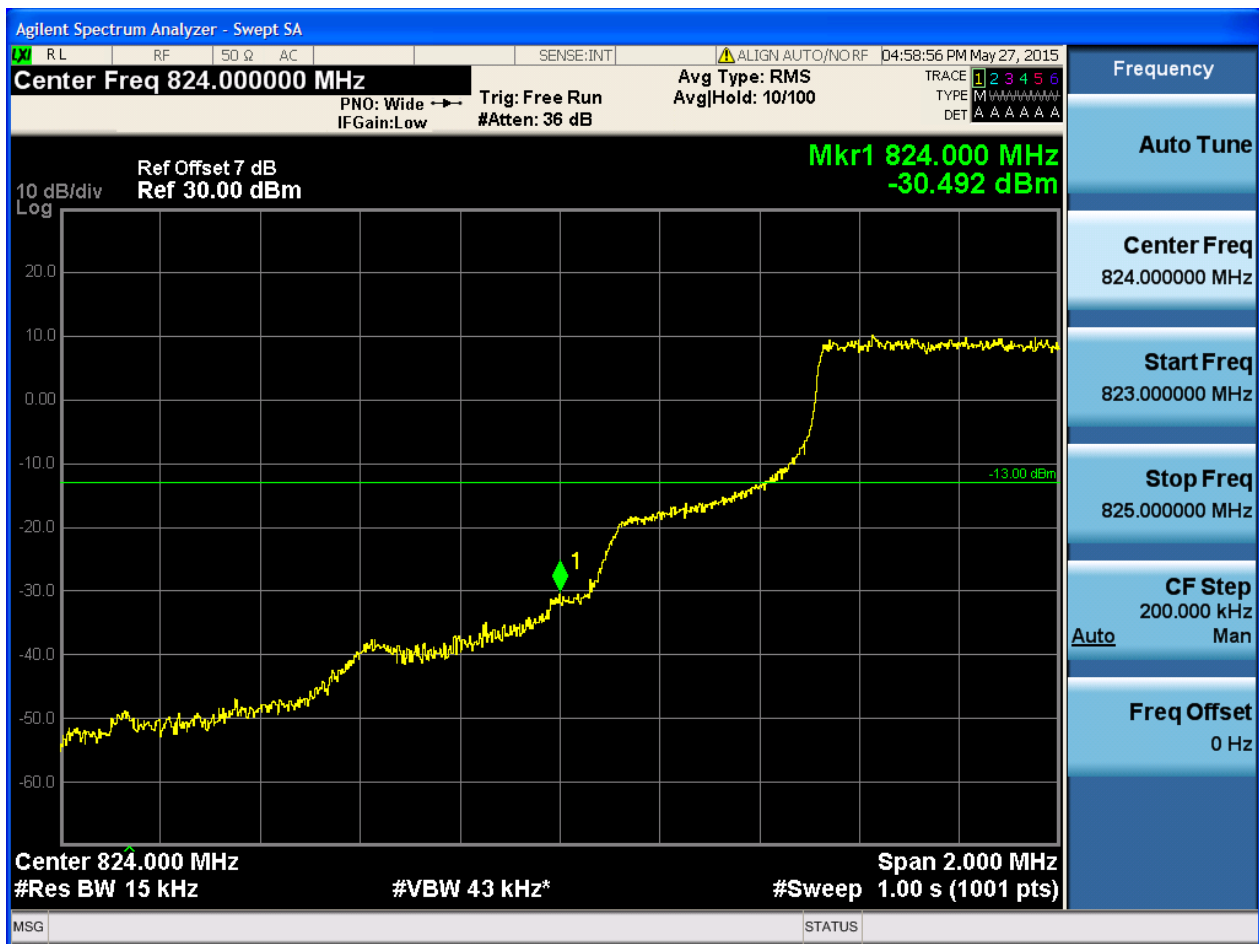


## 5.1.3.1.1.2 Test RB = RB1#5



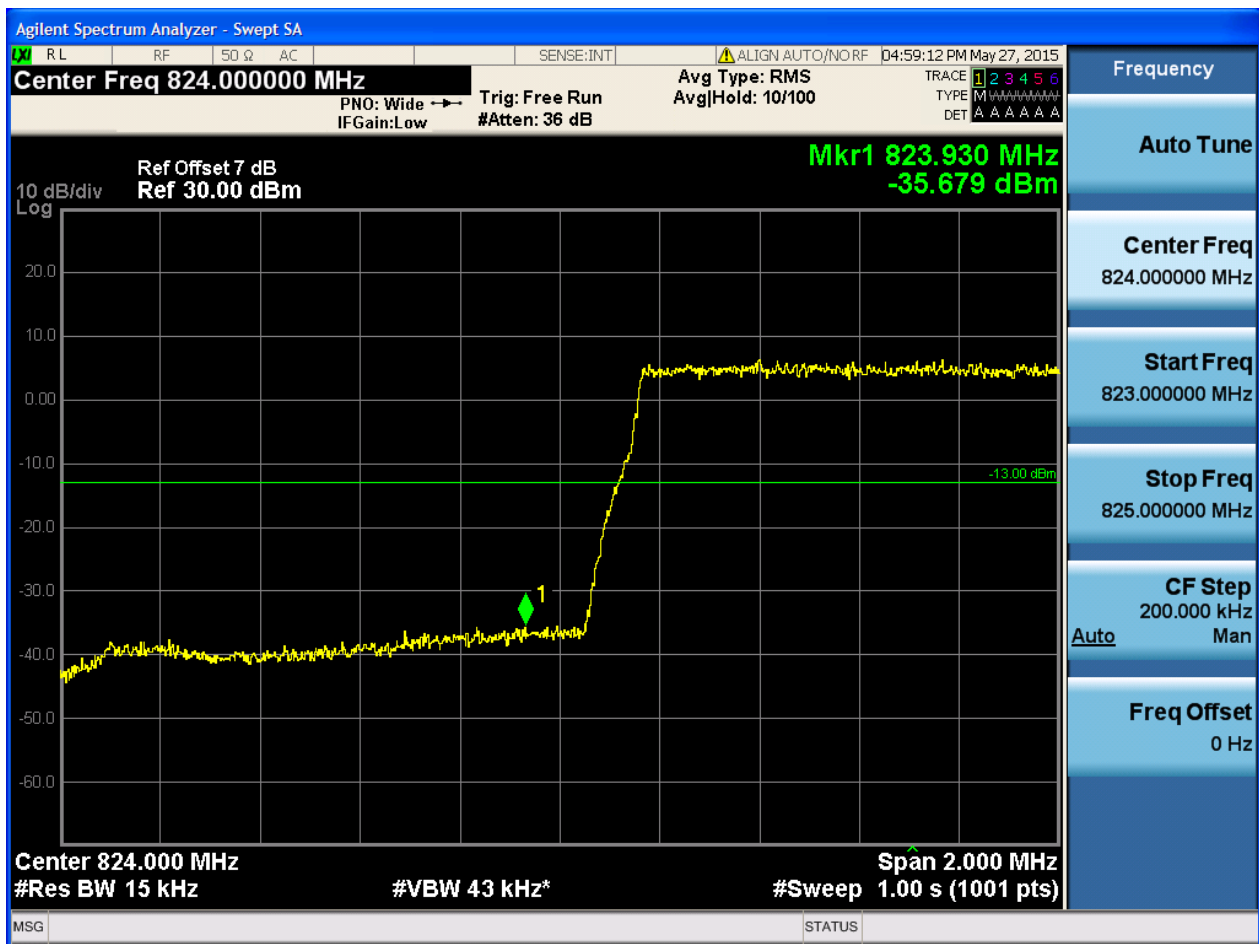


## 5.1.3.1.1.3 Test RB = RB3#2





## 5.1.3.1.1.4 Test RB = RB6#0





## 5.1.3.1.1.2 Test Channel = HCH

## 5.1.3.1.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 849.000 MHz  
-24.790 dBm

Auto Tune

Center Freq  
849.000000 MHz

Start Freq  
848.000000 MHz

Stop Freq  
850.000000 MHz

CF Step  
200.000 kHz  
Man

Auto

Freq Offset  
0 Hz

Center 849.000 MHz  
#Res BW 15 kHz

#VBW 43 kHz\*

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

[illegible]



## 5.1.3.1.1.2.4 Test RB = RB6#0

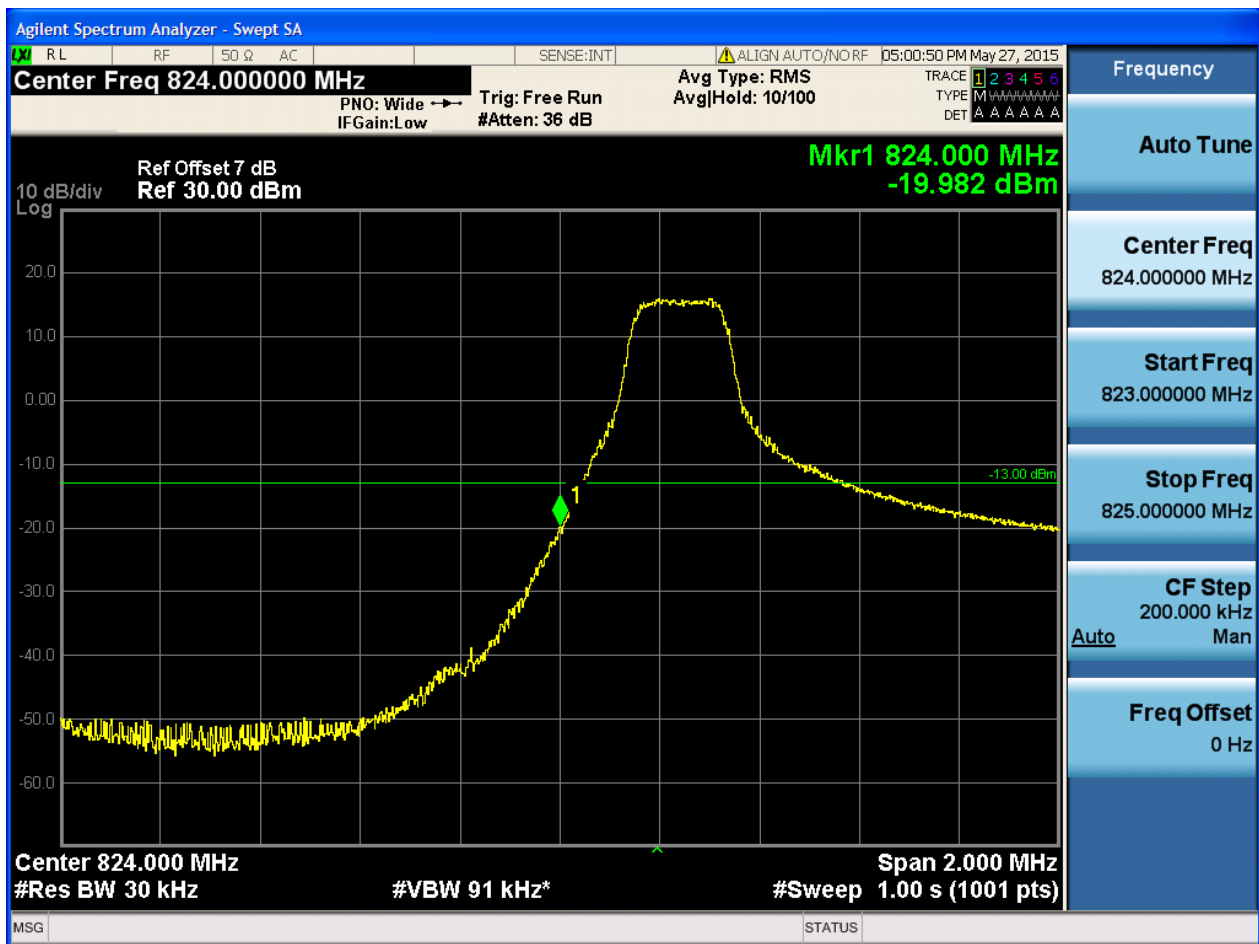




## 5.1.3.1.2 Test Bandwidth = 3

## 5.1.3.1.2.1 Test Channel = LCH

## 5.1.3.1.2.1.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50  $\Omega$  AC SENSE:INT ALIGN AUTO/NORF 05:01:06 PM May 27, 2015

Center Freq 824.000000 MHz Avg Type: RMS  
PNO: Wide Trig: Free Run Avg|Hold: 10/100  
IFGain:Low #Atten: 36 dB

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

Ref Offset 7 dB  
Ref 30.00 dBm

Mkr1 824.000 MHz  
-33.839 dBm

10 dB/div  
Log

Center 824.000 MHz  
#Res BW 30 kHz  
#VBW 91 kHz\*  
Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency  
Auto Tune  
Center Freq  
824.000000 MHz  
Start Freq  
823.000000 MHz  
Stop Freq  
825.000000 MHz  
CF Step  
200.000 kHz  
Auto Man  
Freq Offset  
0 Hz



Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB  
Ref 30.00 dBm

10 dB/div  
Log

Mkr1 824.000 MHz  
-33.596 dBm

Center 824.000 MHz  
#Res BW 30 kHz

Span 2.000 MHz  
#Sweep 1.00 s (1001 pts)

#VBW 91 kHz\*

Auto Tune

Center Freq  
824.000000 MHz

Start Freq  
823.000000 MHz

Stop Freq  
825.000000 MHz

CF Step  
200.000 kHz  
Man

Freq Offset  
0 Hz



## 5.1.3.1.2.1.4 Test RB = RB15#0

