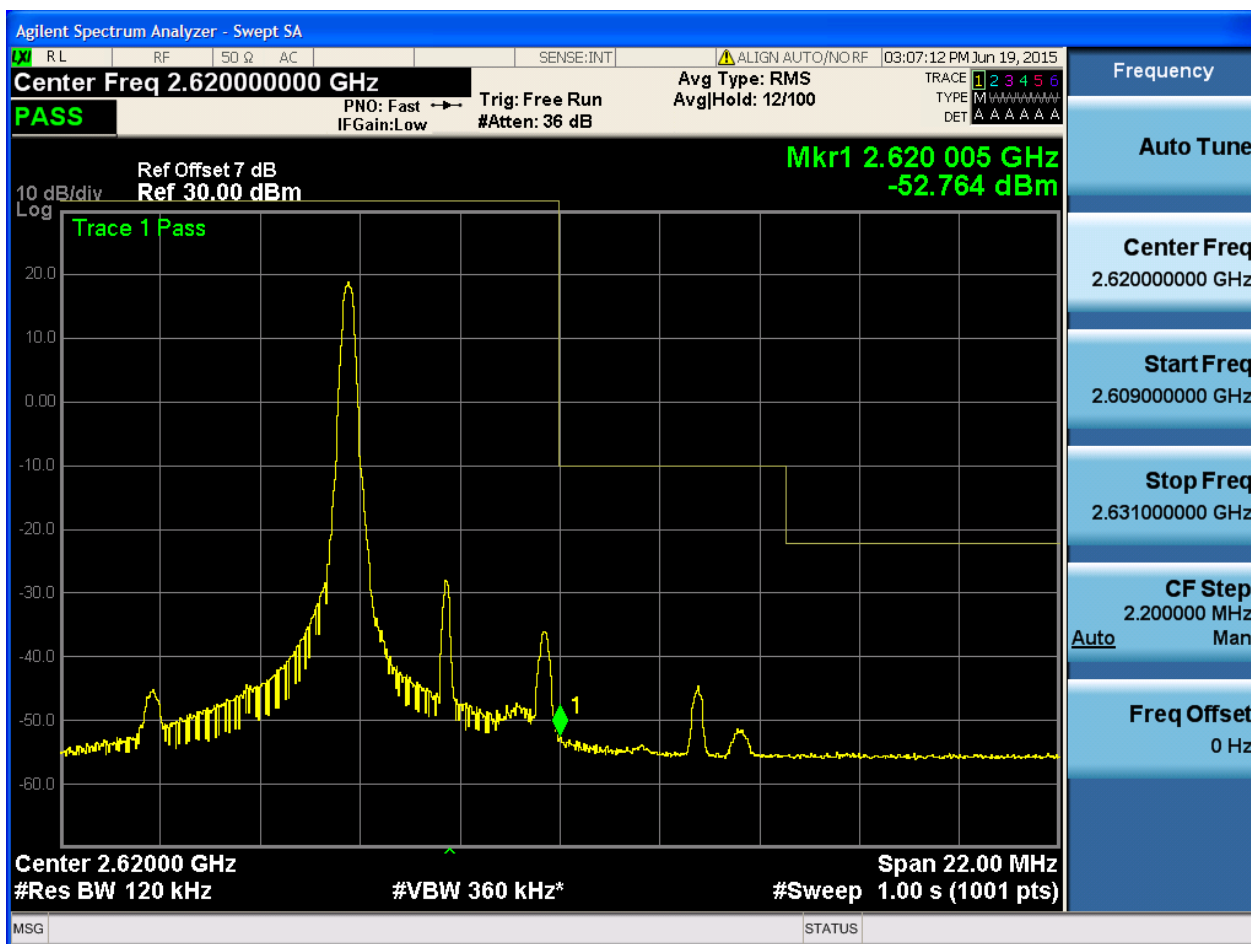




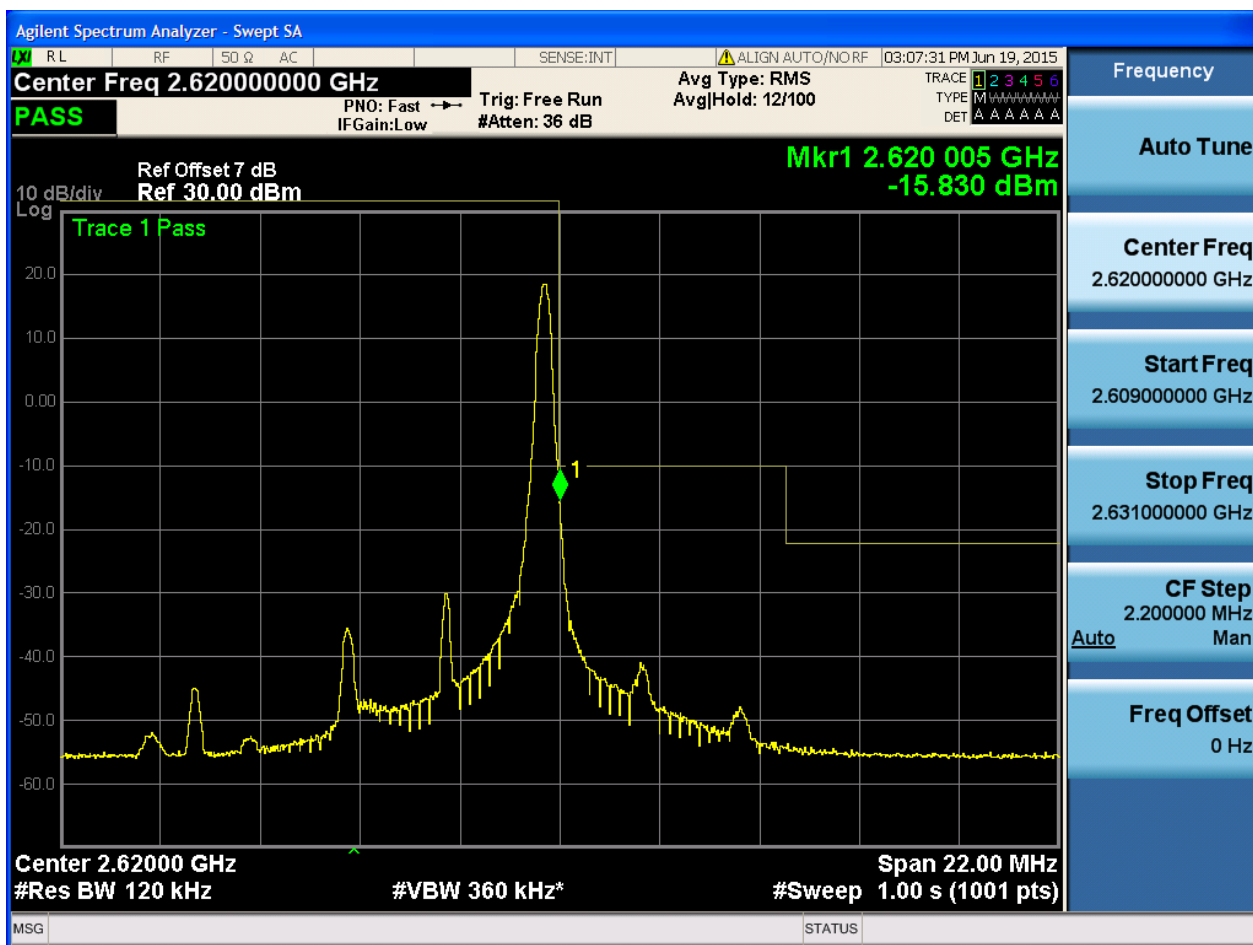
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



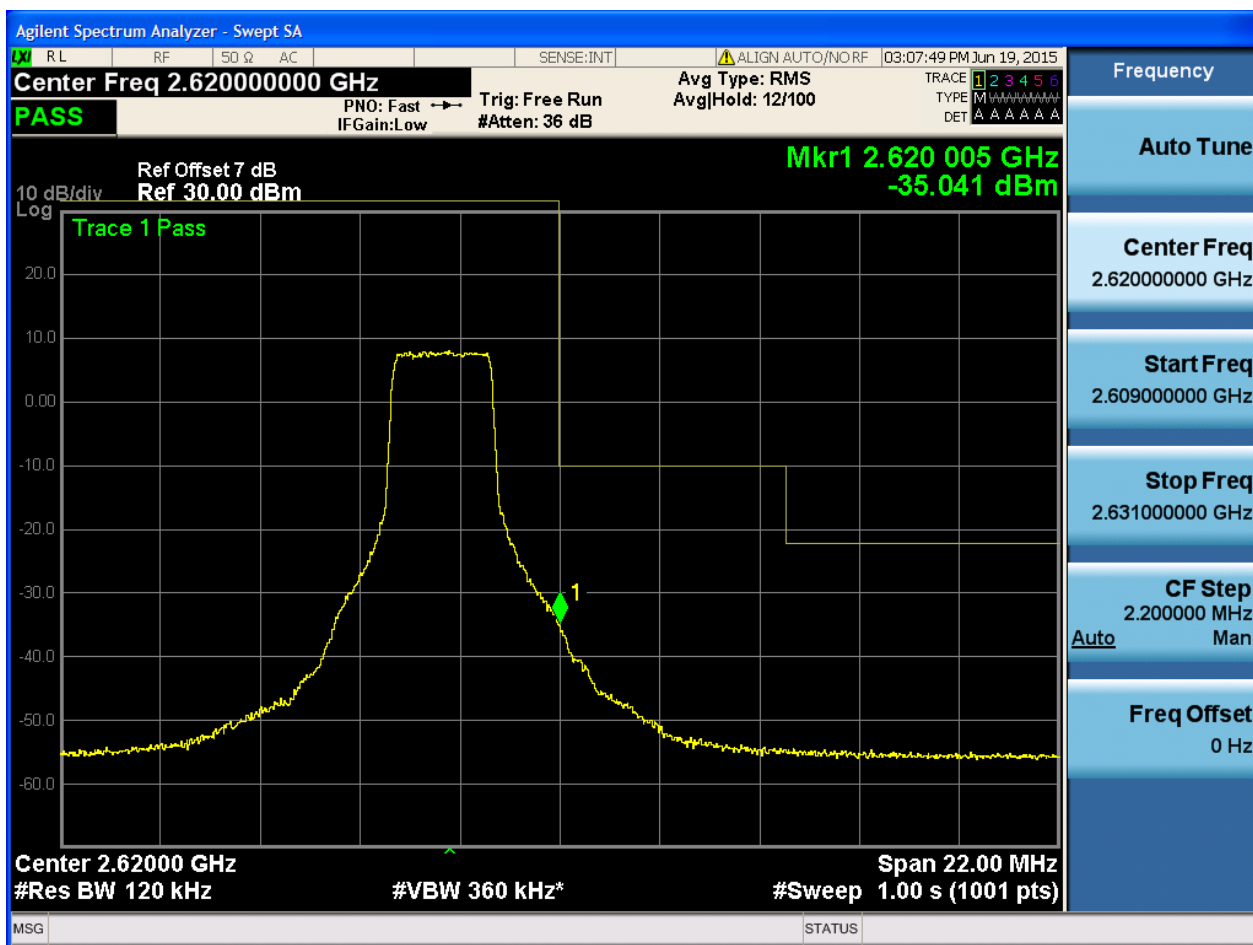


5.1.1.2.1.2.2 Test RB = RB1#24





5.1.1.2.1.2.3 Test RB = RB12#6





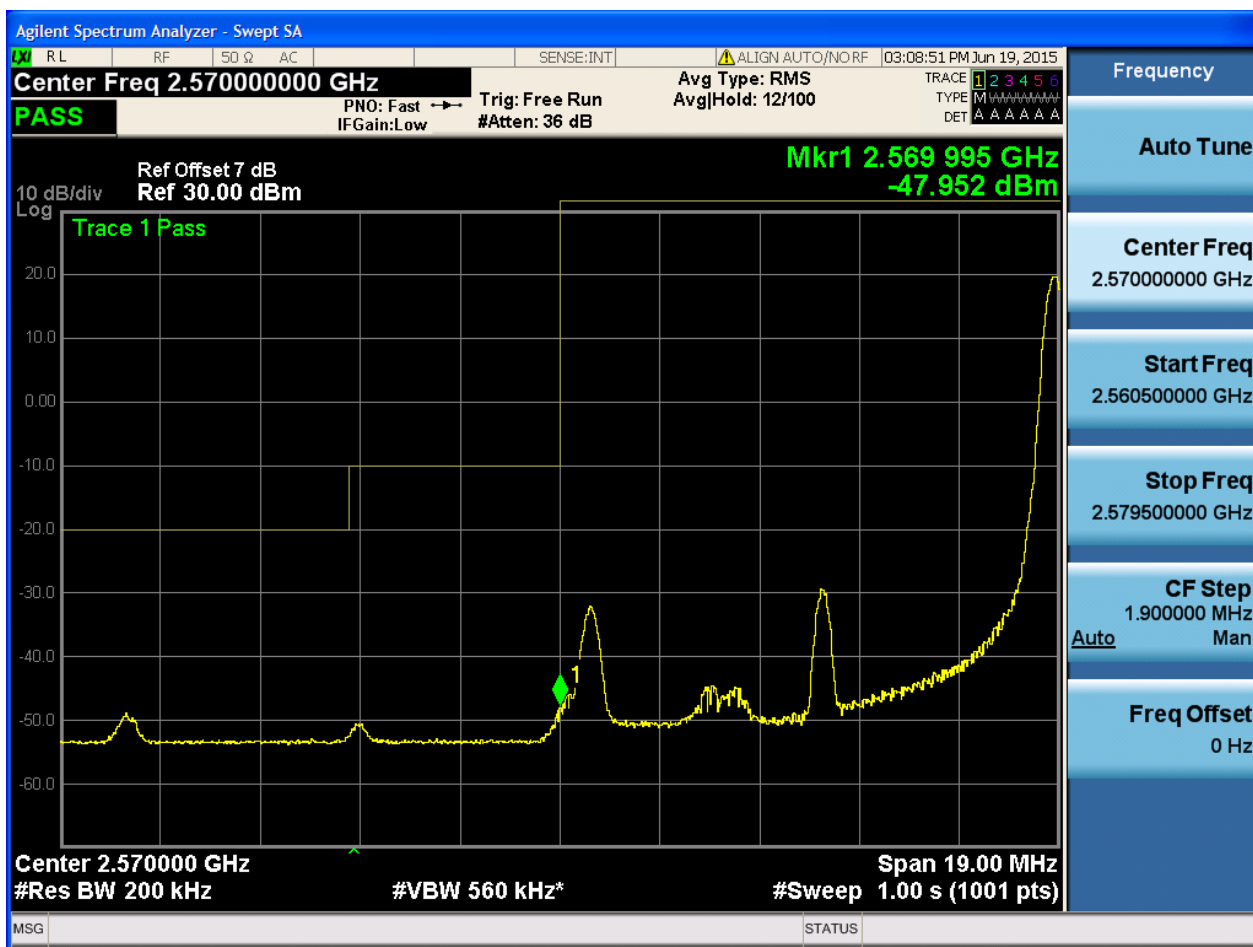
5.1.1.2.1.2.4 Test RB = RB25#0





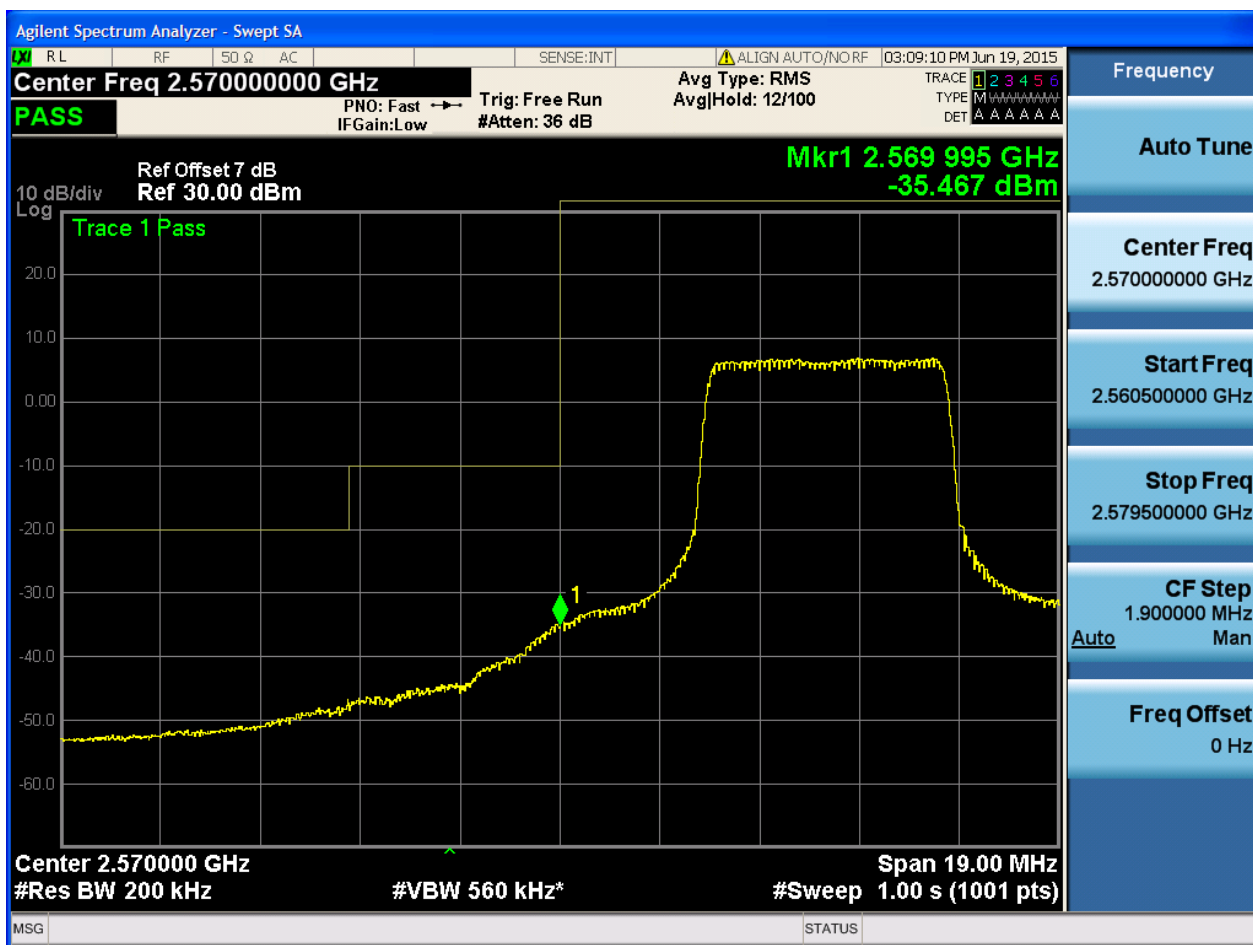


5.1.1.2.2.1.2 Test RB = RB1#49



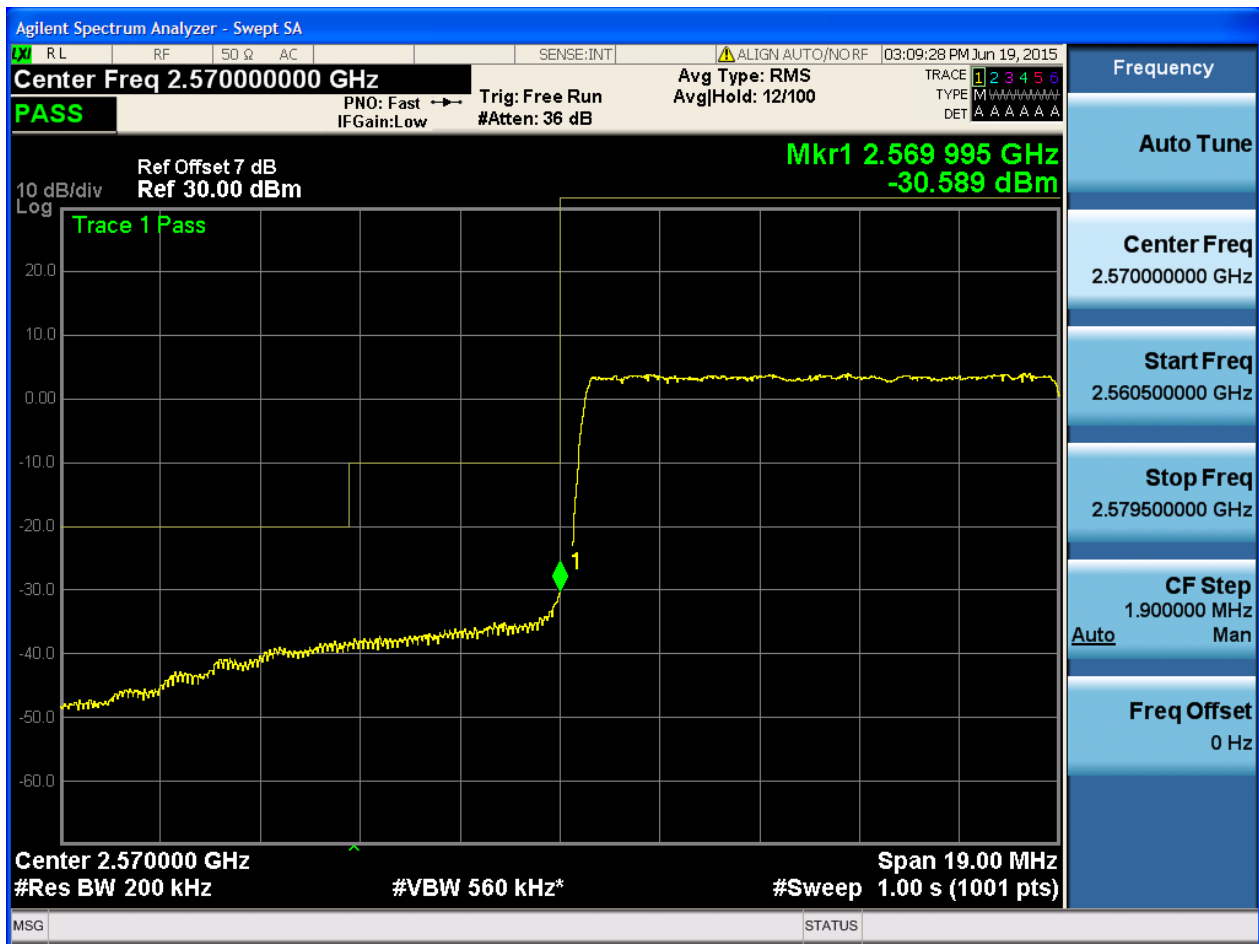


5.1.1.2.2.1.3 Test RB = RB25#13





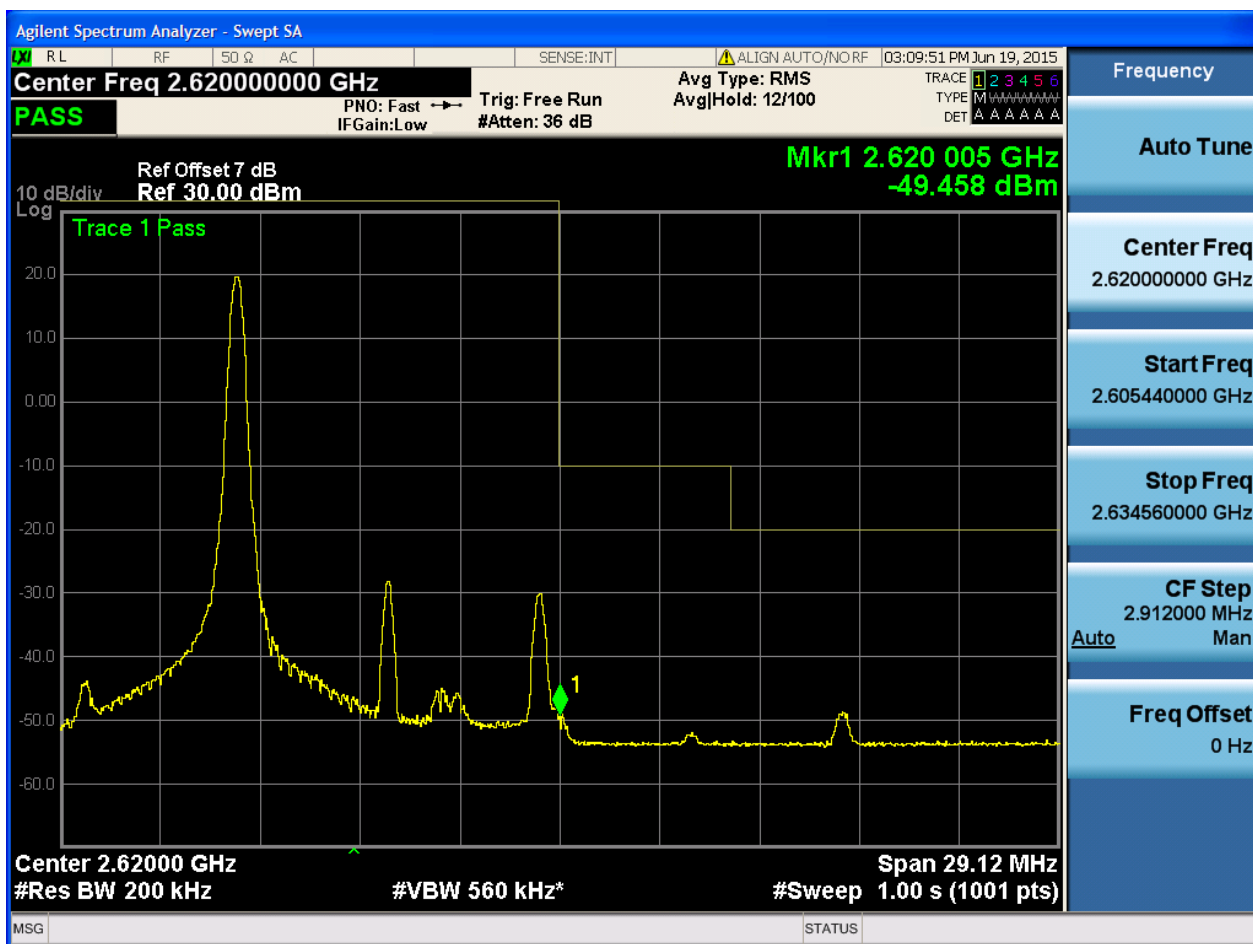
5.1.1.2.2.1.4 Test RB = RB50#0





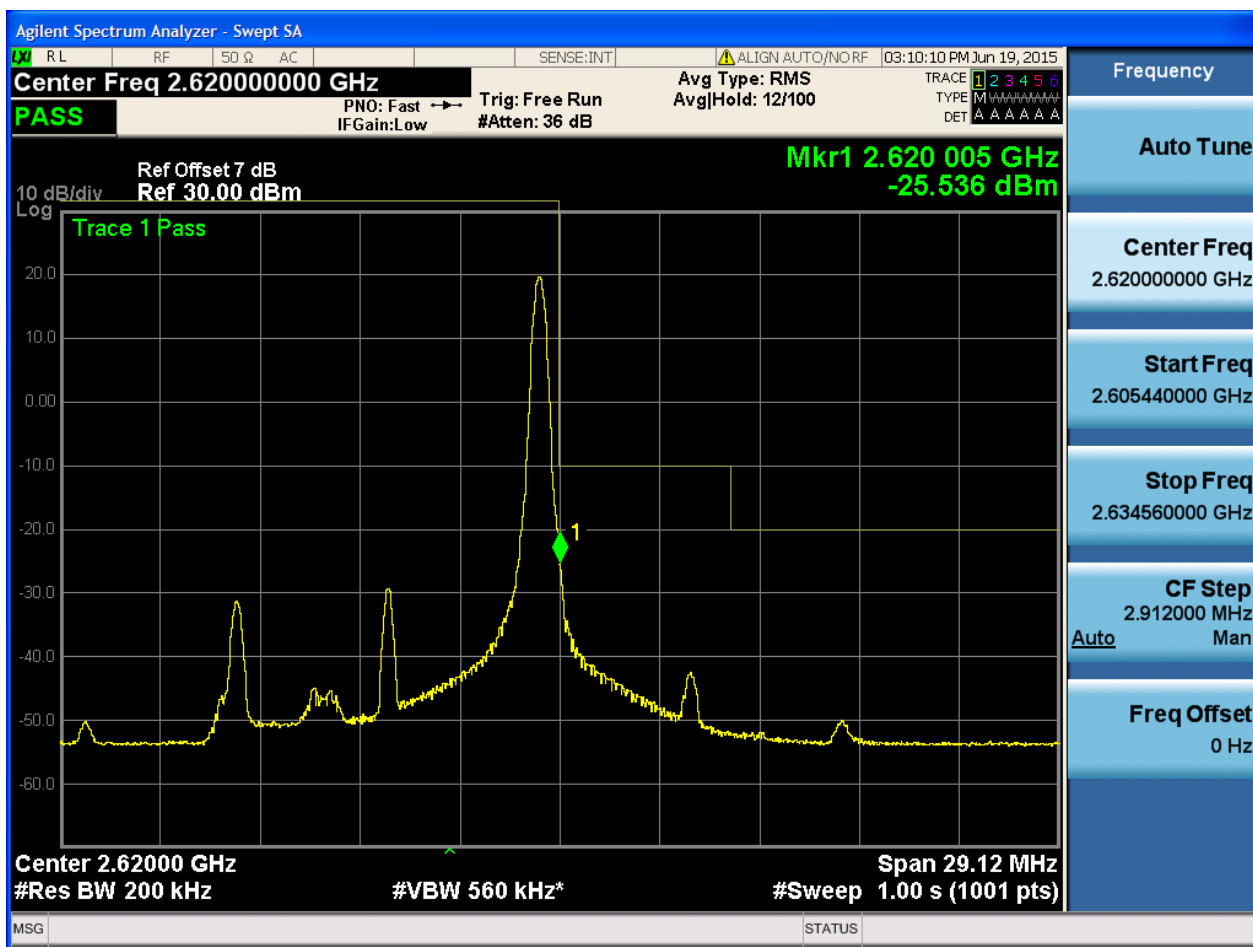
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



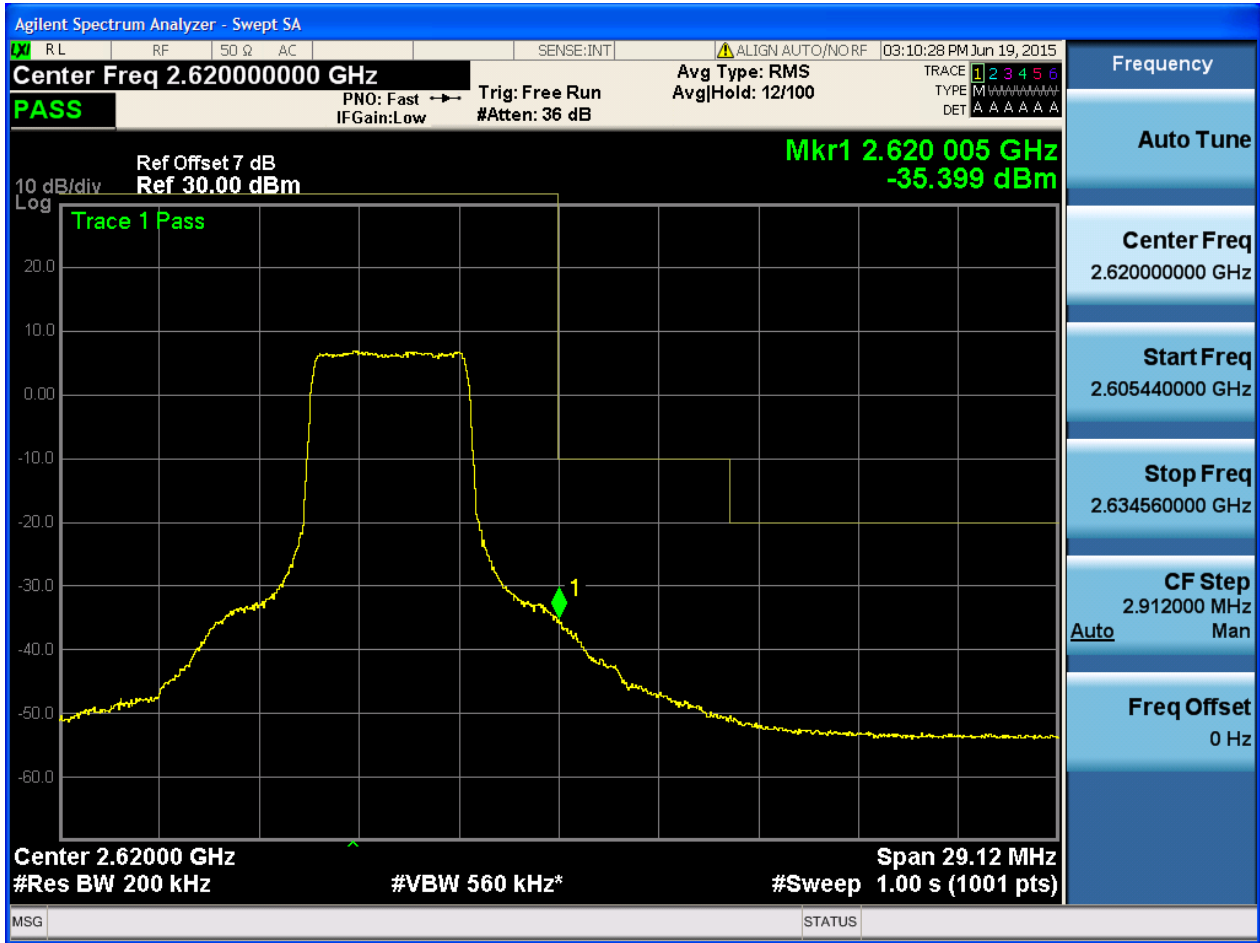


5.1.1.2.2.2 Test RB = RB1#49



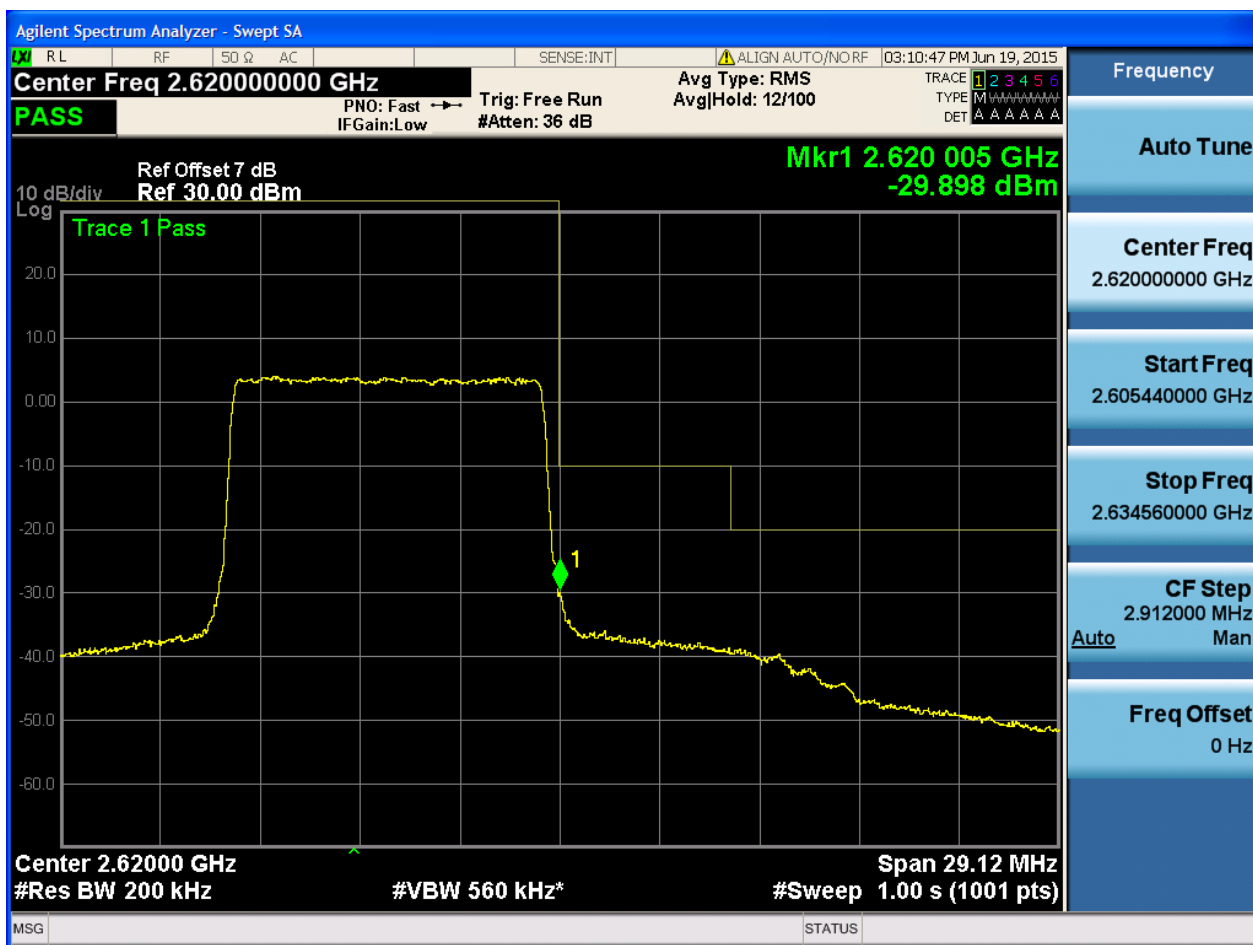


5.1.1.2.2.3 Test RB = RB25#13





5.1.1.2.2.4 Test RB = RB50#0

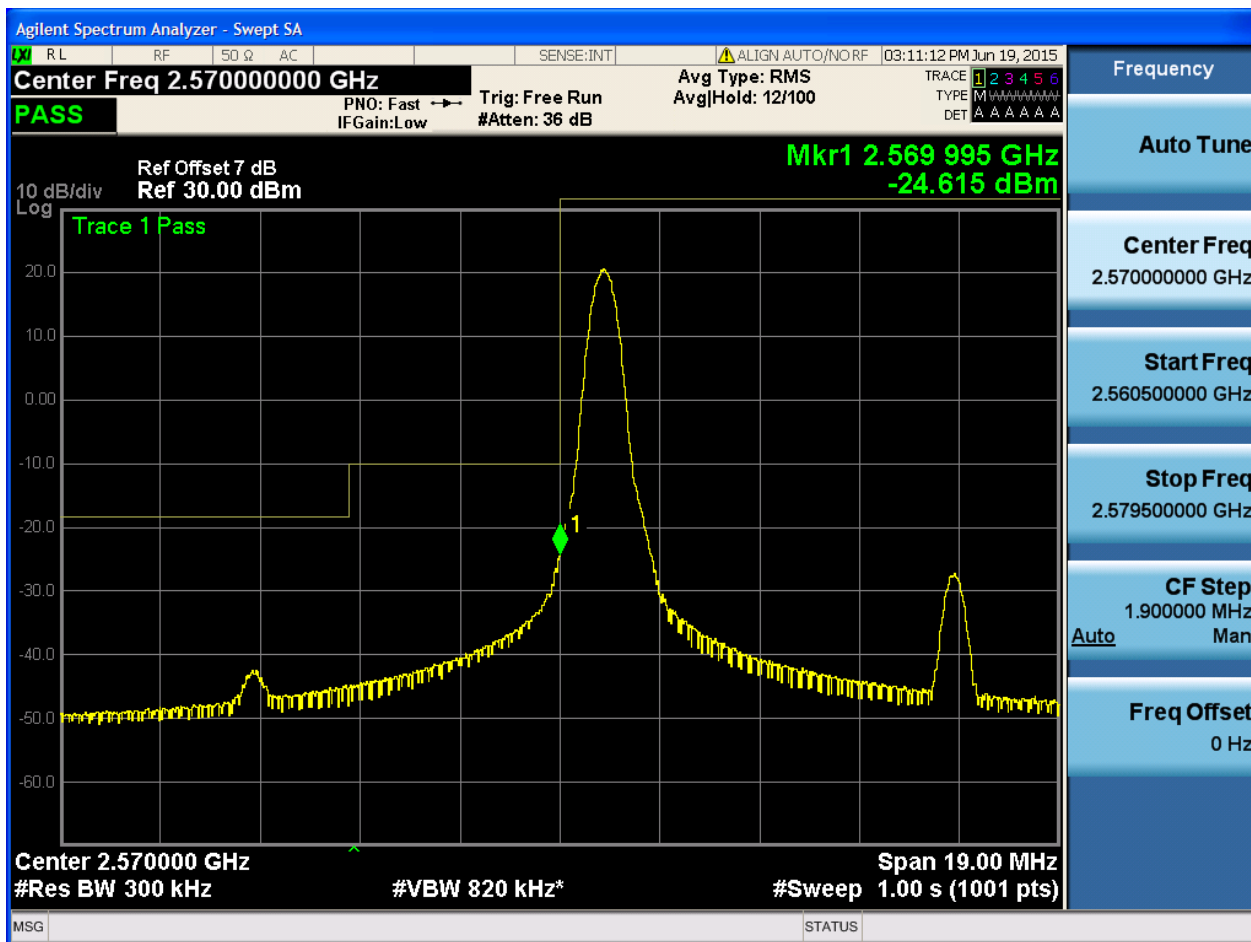




5.1.1.2.3 Test Bandwidth = 15

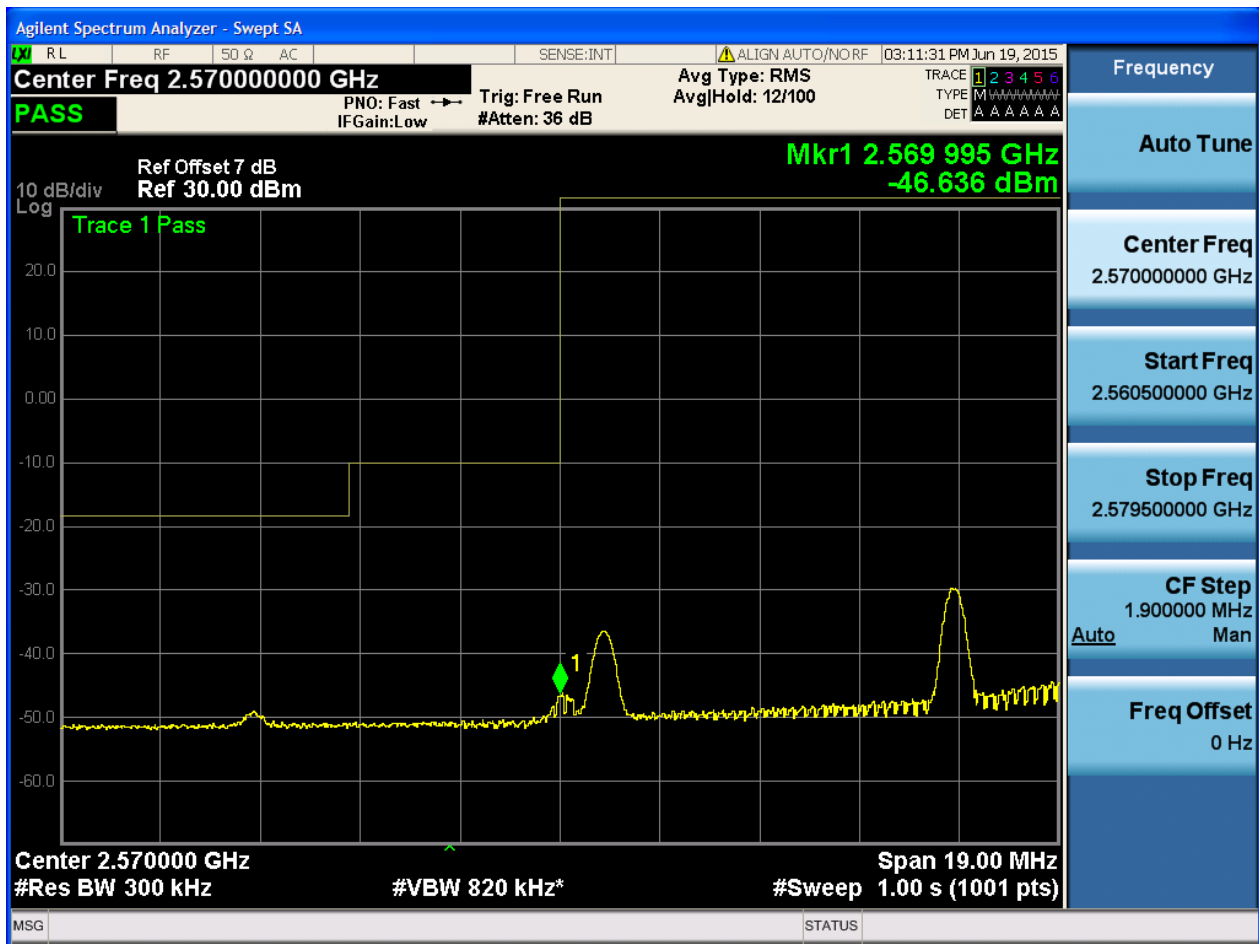
5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0



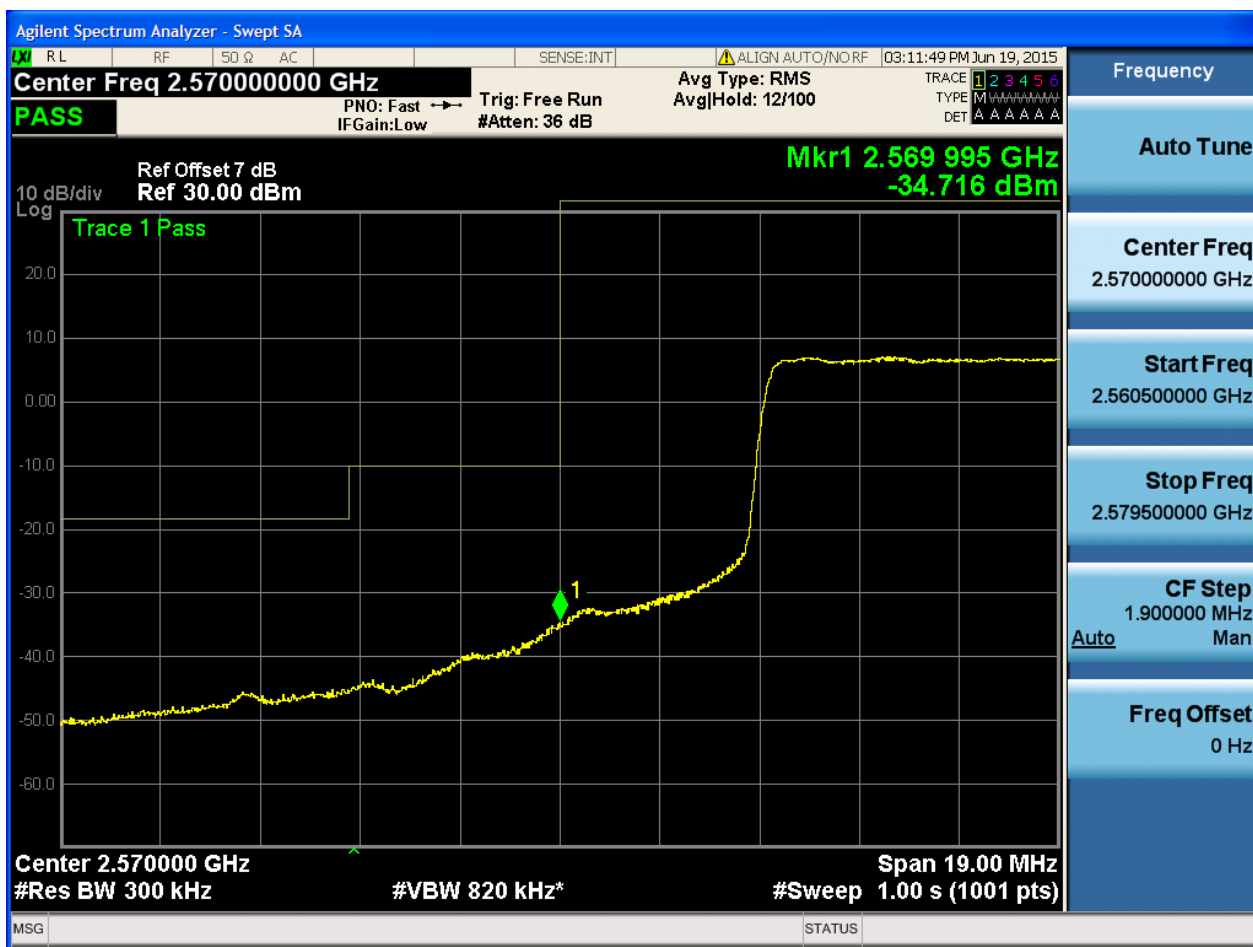


5.1.1.2.3.1.2 Test RB = RB1#74



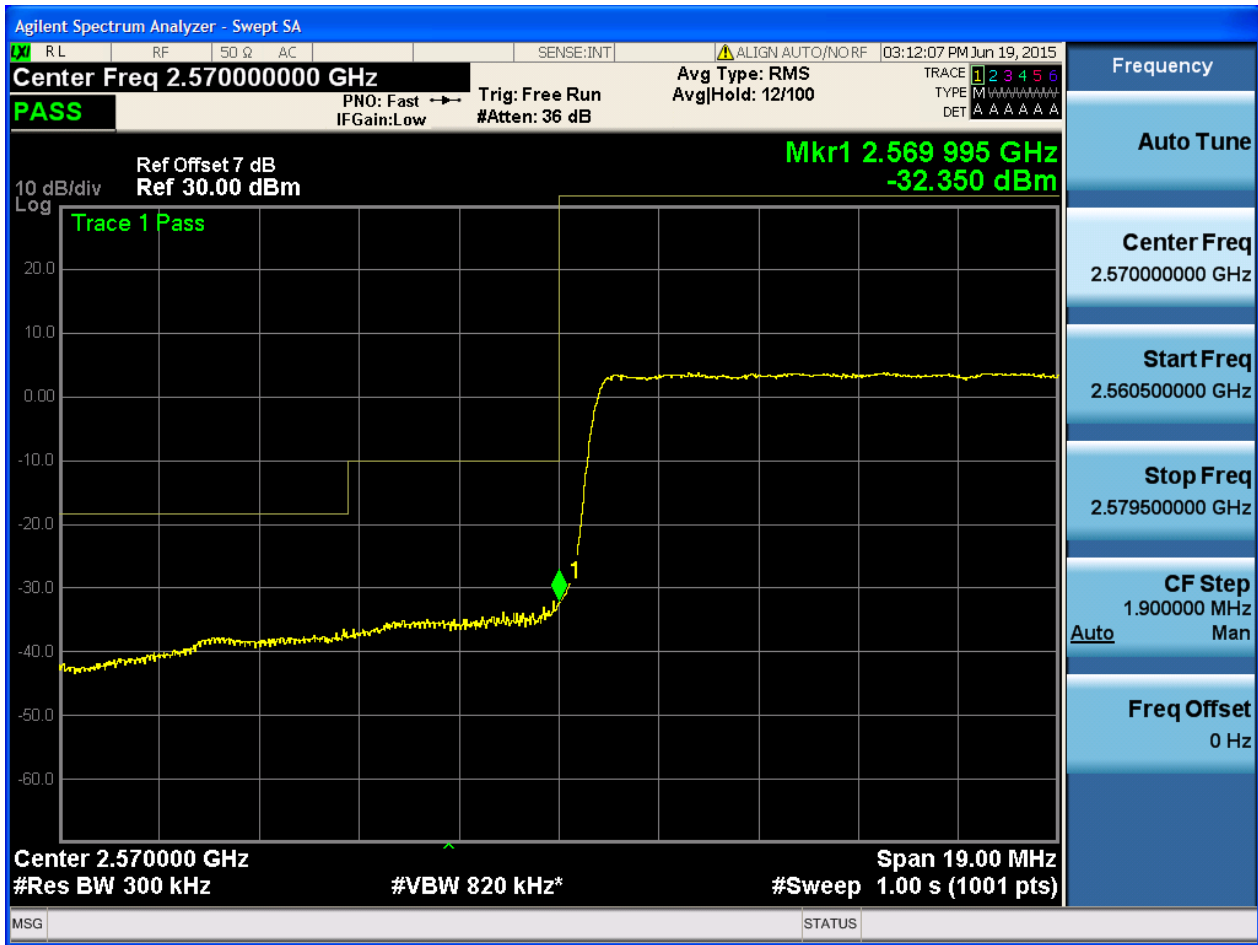


5.1.1.2.3.1.3 Test RB = RB36#18



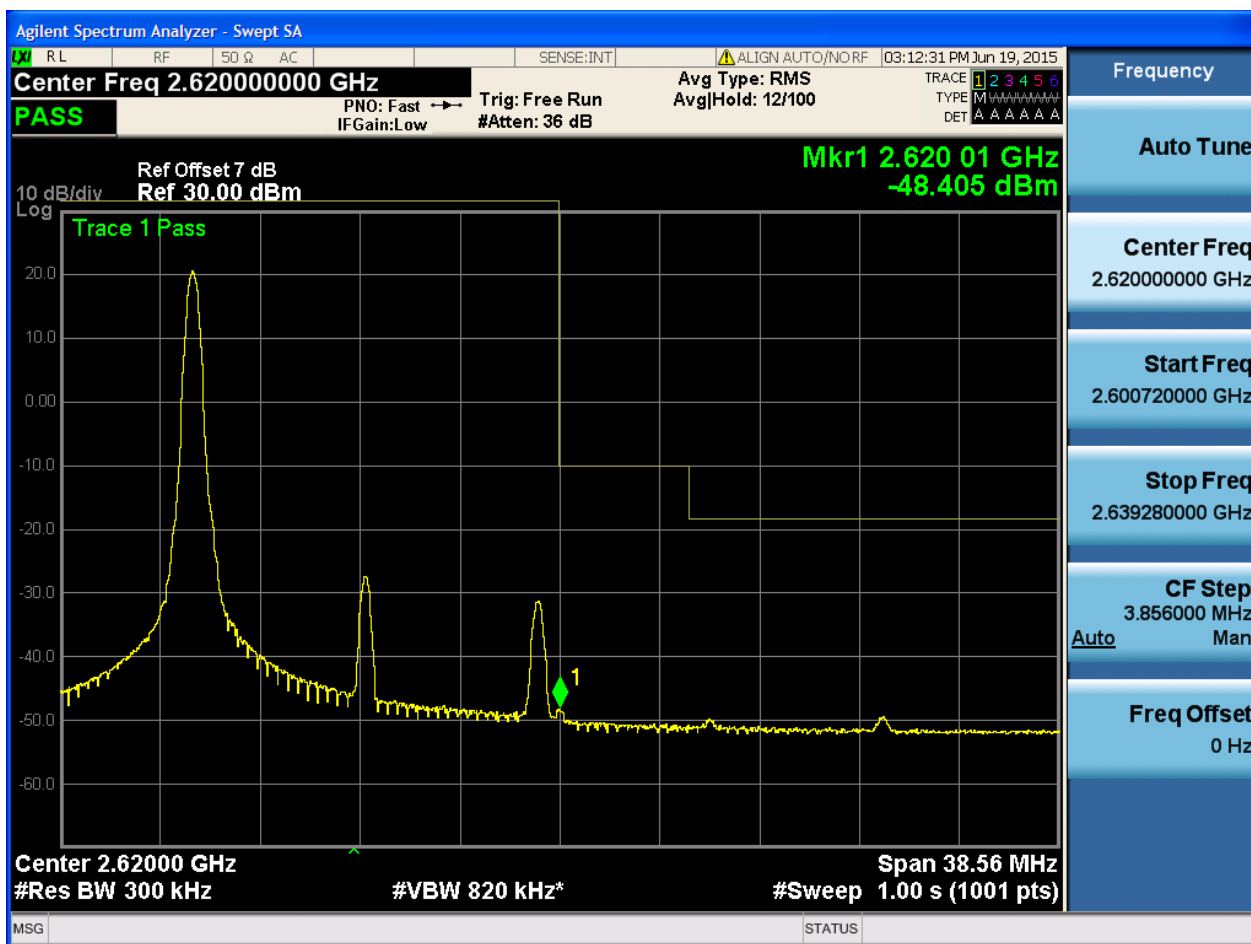


5.1.1.2.3.1.4 Test RB = RB75#0



5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.62000000 GHz

PASS

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Trace 1 Pass

Mkr1 2.620 01 GHz
-25.057 dBm

Center 2.6200 GHz
#Res BW 300 kHz
#VBW 820 kHz*

Span 38.56 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
2.62000000 GHz

Start Freq
2.600720000 GHz

Stop Freq
2.639280000 GHz

CF Step
3.856000 MHz
Man

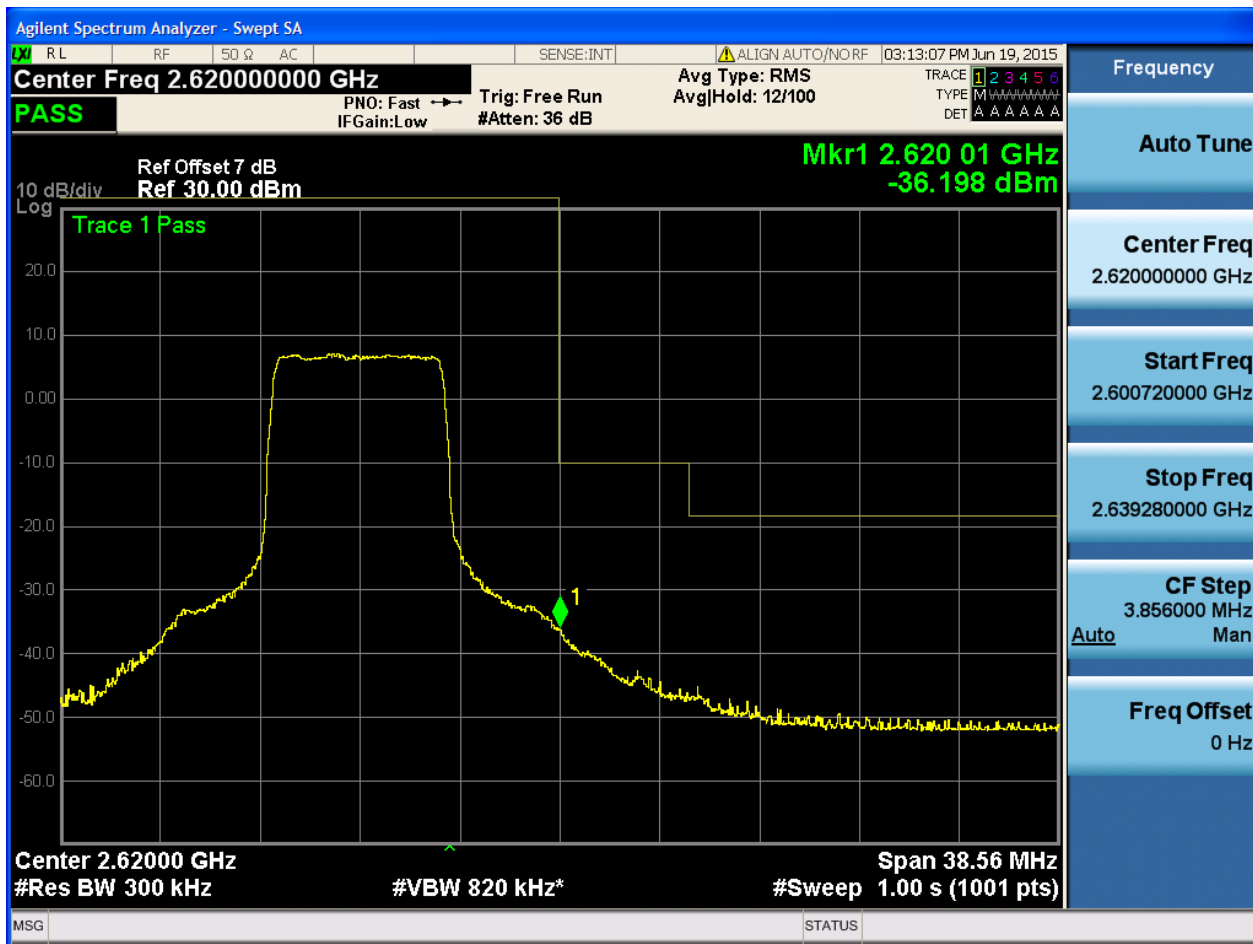
Auto

Freq Offset
0 Hz

The image shows a screenshot of an Agilent Spectrum Analyzer. The main display is a log-linear plot of power spectral density. The y-axis is labeled '10 dB/div Log' and ranges from -60.0 to 20.0 dBm. The x-axis represents frequency, with a center frequency of 2.62000 GHz and a span of 38.56 MHz. A prominent peak is visible at 2.62001 GHz, marked with a green diamond and labeled '1'. The peak power is -25.057 dBm. The background is dark blue with a grid. Various status and configuration parameters are displayed around the plot area, including 'PASS', 'Ref Offset 7 dB', 'Ref 30.00 dBm', 'Mkr1 2.620 01 GHz', and 'Auto Tune'. The right side of the screen features a vertical panel with additional settings like 'Center Freq', 'Start Freq', 'Stop Freq', 'CF Step', and 'Freq Offset'.



5.1.1.2.3.2.3 Test RB = RB36#18





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.62000000 GHz

Ref Offset 7 dB
Ref 30.00 dBm

Trace 1 Pass

Mkr1 2.620 01 GHz
-32.035 dBm

Center 2.62000 GHz
#Res BW 300 kHz
#VBW 820 kHz*

Span 38.56 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
2.62000000 GHz

Start Freq
2.600720000 GHz

Stop Freq
2.639280000 GHz

CF Step
3.856000 MHz
Man

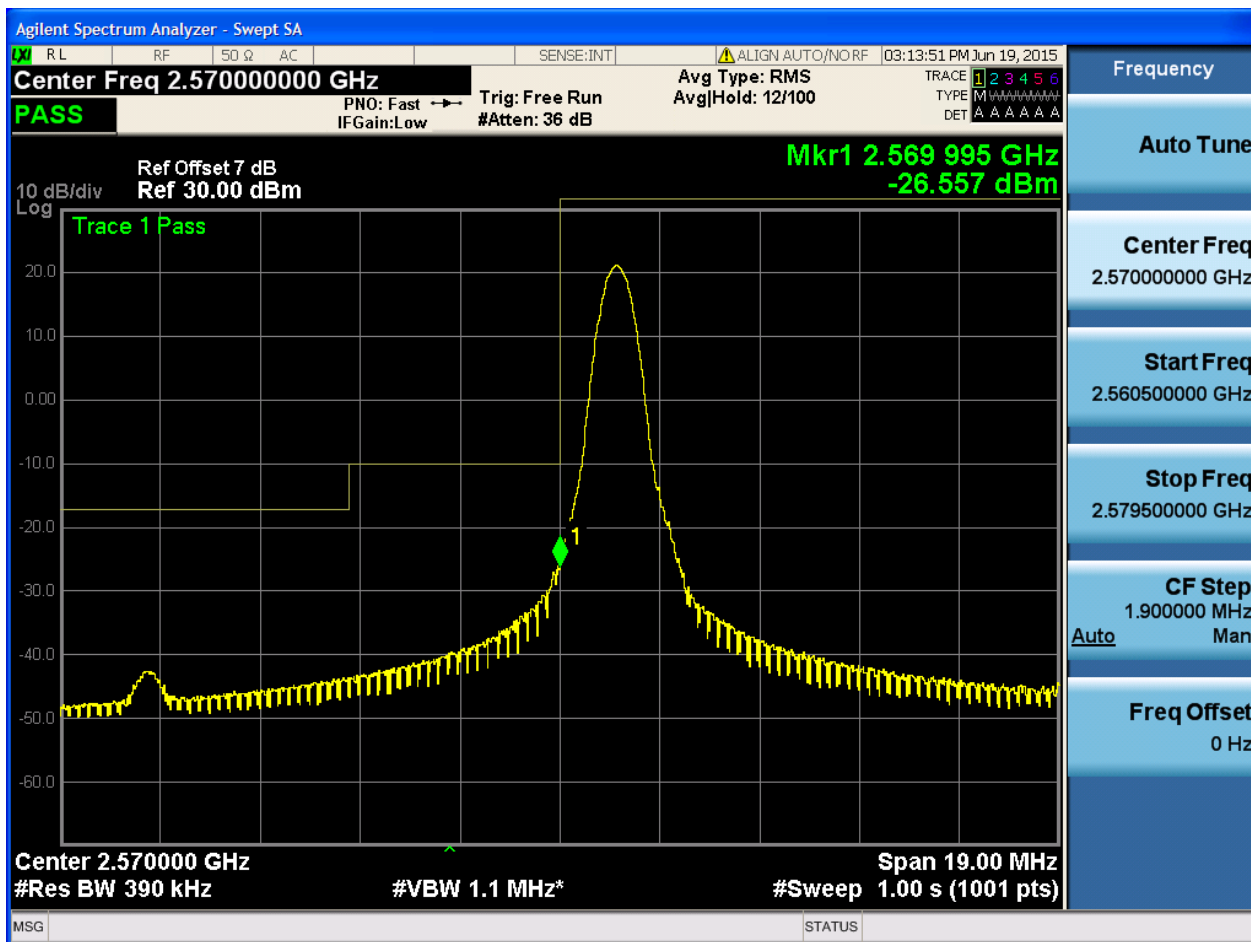
Freq Offset
0 Hz



5.1.1.2.4 Test Bandwidth = 20

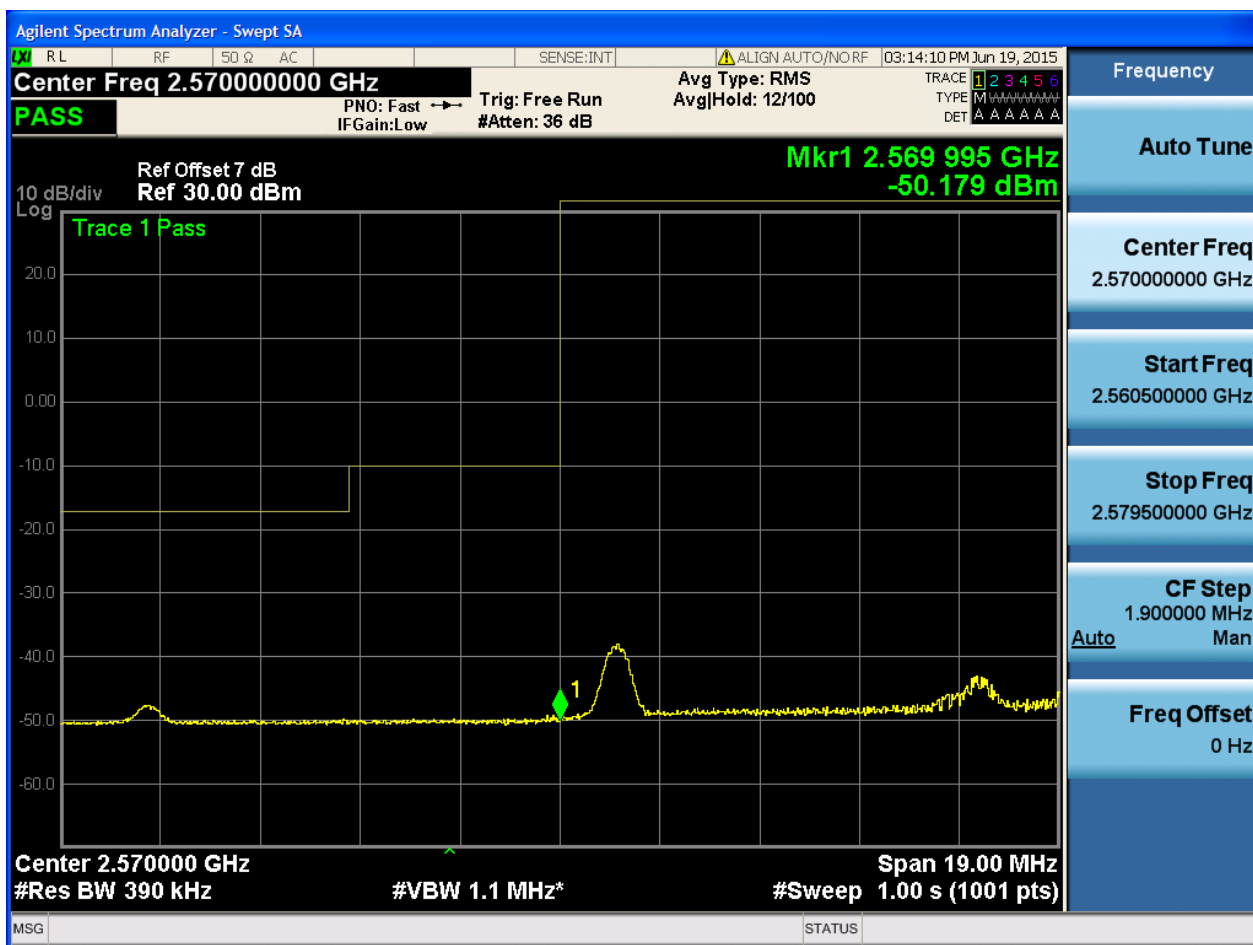
5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0



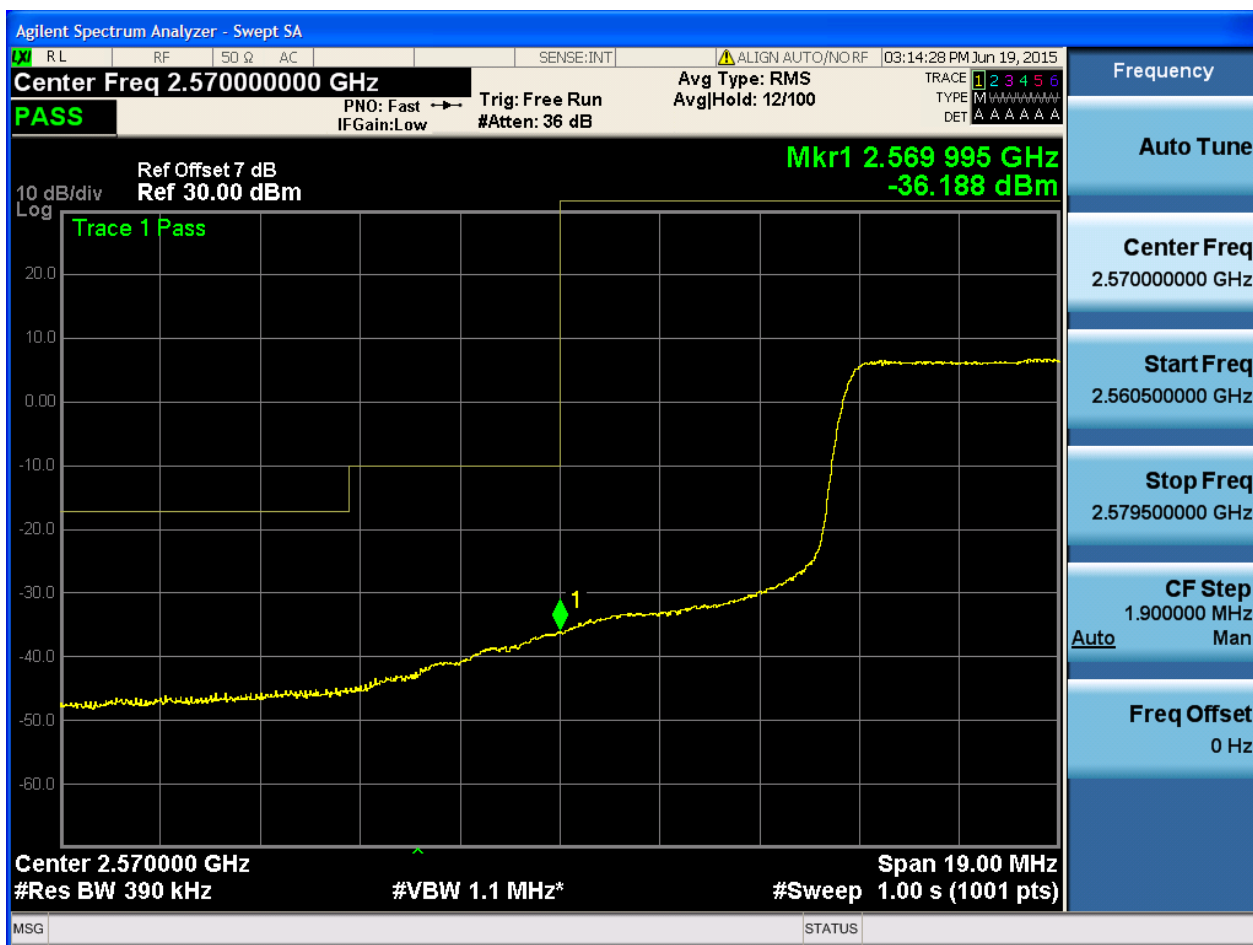


5.1.1.2.4.1.2 Test RB = RB1#99



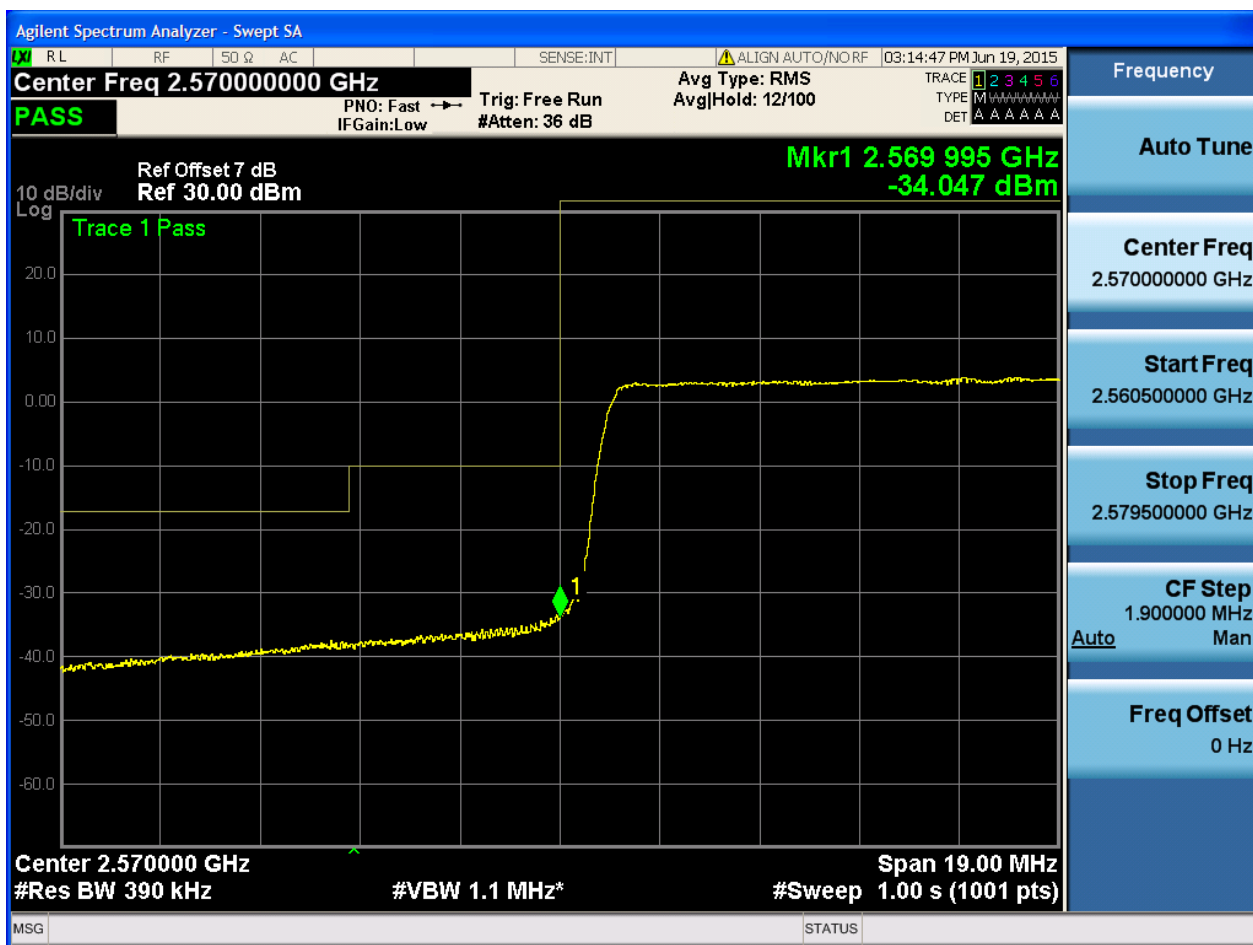


5.1.1.2.4.1.3 Test RB = RB50#25





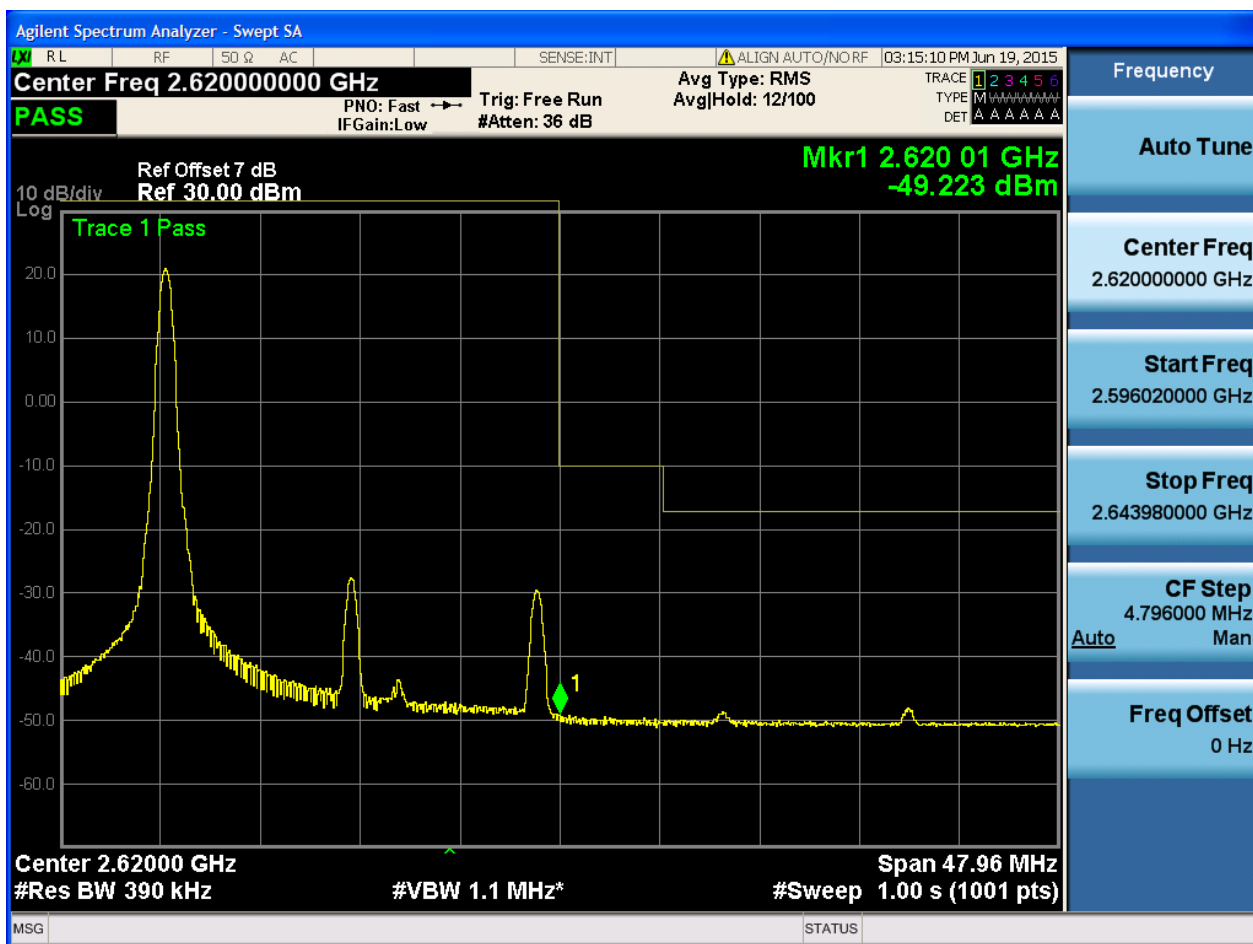
5.1.1.2.4.1.4 Test RB = RB100#0





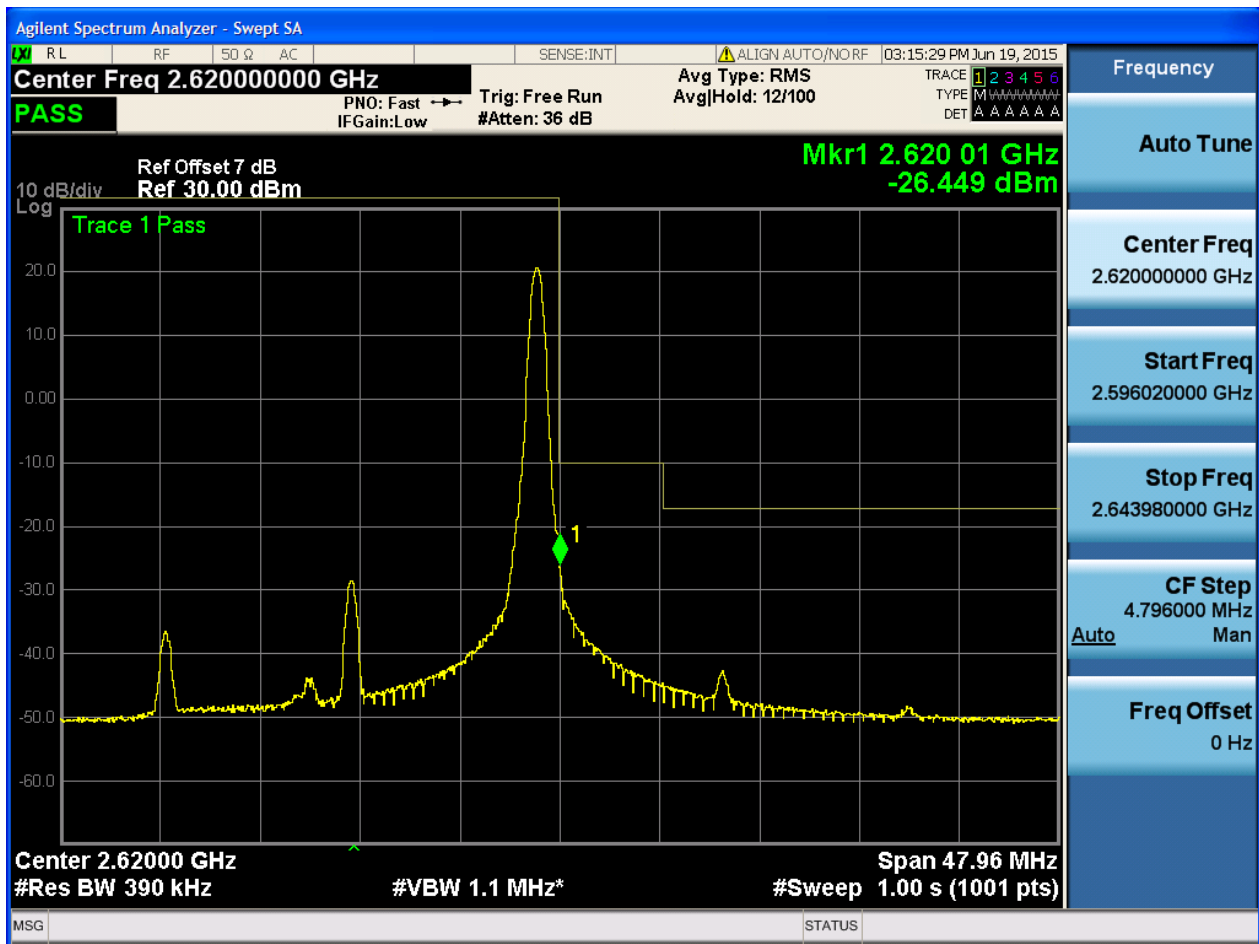
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0



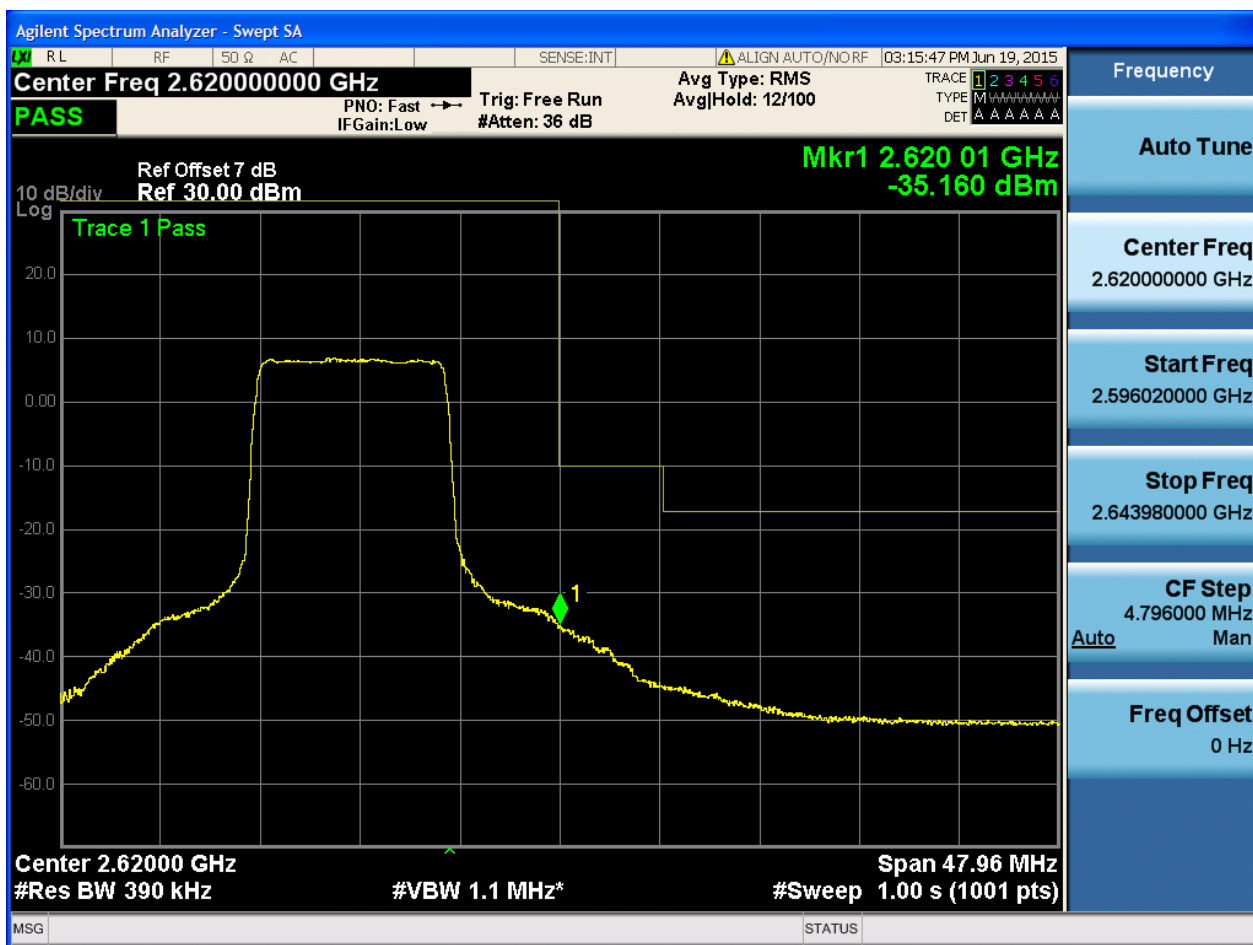


5.1.1.2.4.2.2 Test RB = RB1#99





5.1.1.2.4.2.3 Test RB = RB50#25





Agilent Spectrum Analyzer - Swept SA

Center Freq 2.62000000 GHz

Ref Offset 7 dB
Ref 30.00 dBm

Trace 1 Pass

10 dB/div
Log

Center 2.6200 GHz
#Res BW 390 kHz
#VBW 1.1 MHz*

Span 47.96 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
2.62000000 GHz

Start Freq
2.596020000 GHz

Stop Freq
2.643980000 GHz

CF Step
4.796000 MHz
Man

Freq Offset
0 Hz

Trace 1 Pass

1

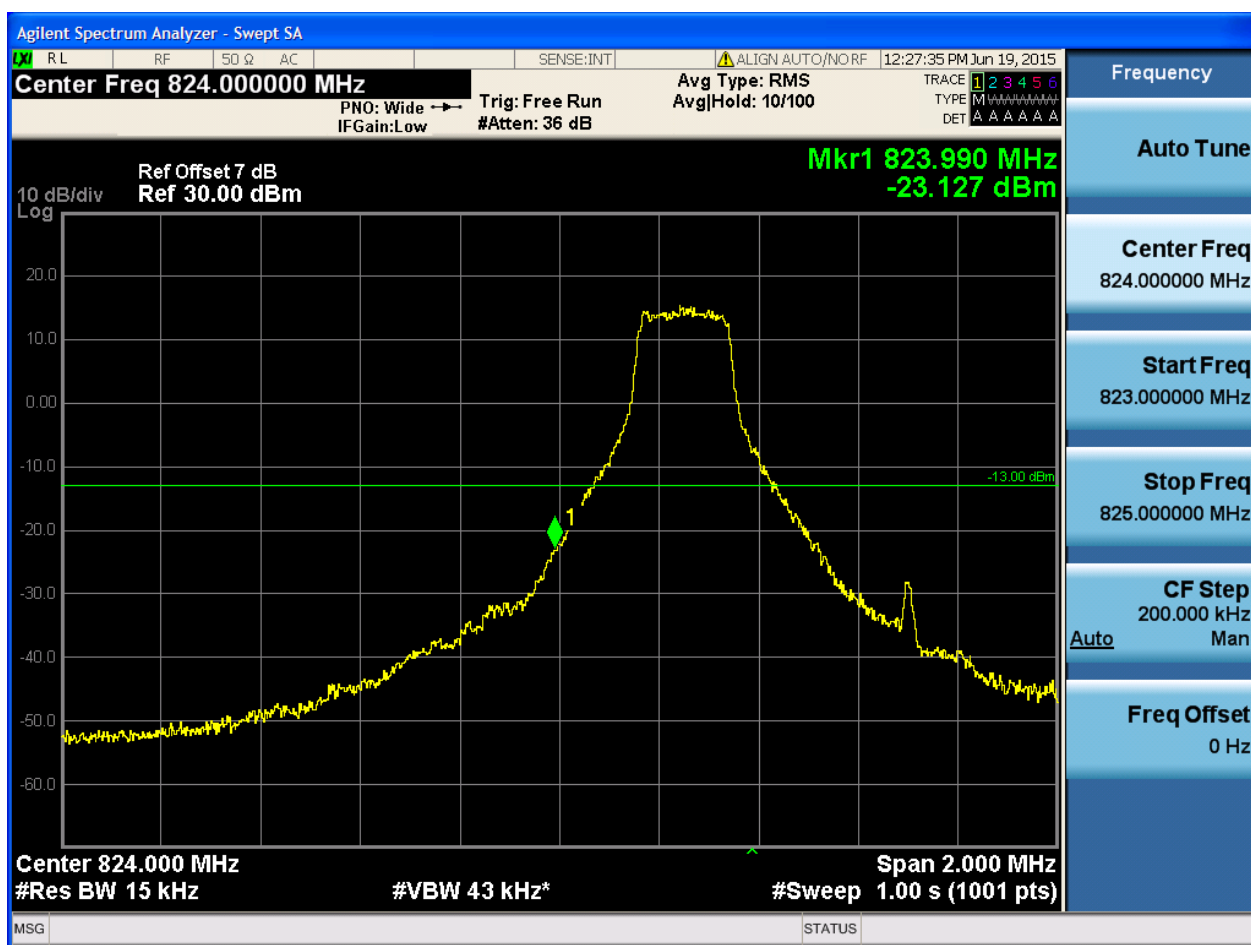
5.1.2 Test Band = BAND5

5.1.2.1 Test Mode = LTE/TM1

5.1.2.1.1 Test Bandwidth = 1.4

5.1.2.1.1.1 Test Channel = LCH

5.1.2.1.1.1.1 Test RB = RB1#0



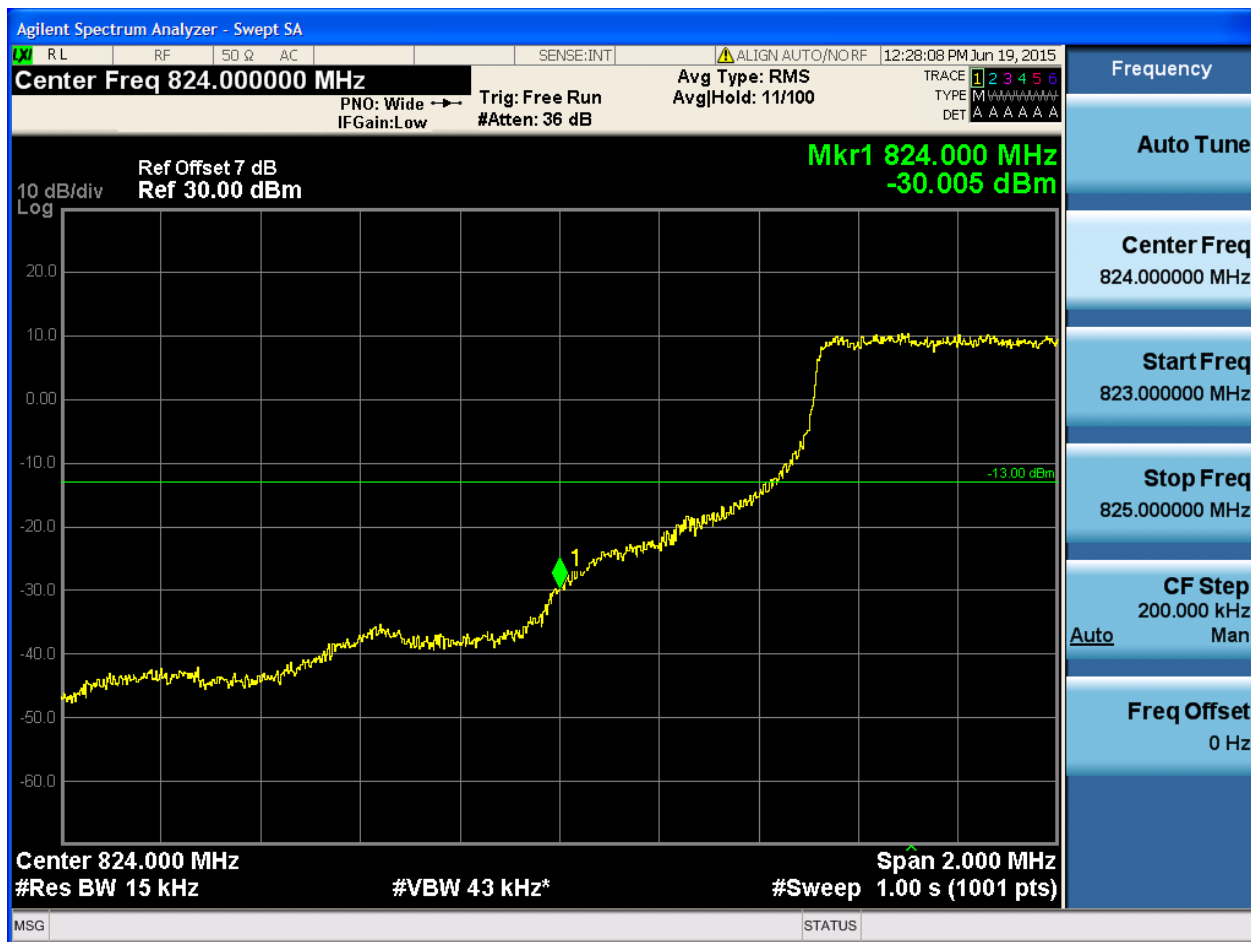


2.1.1.4.1.1.2 Test RB = RB1#5



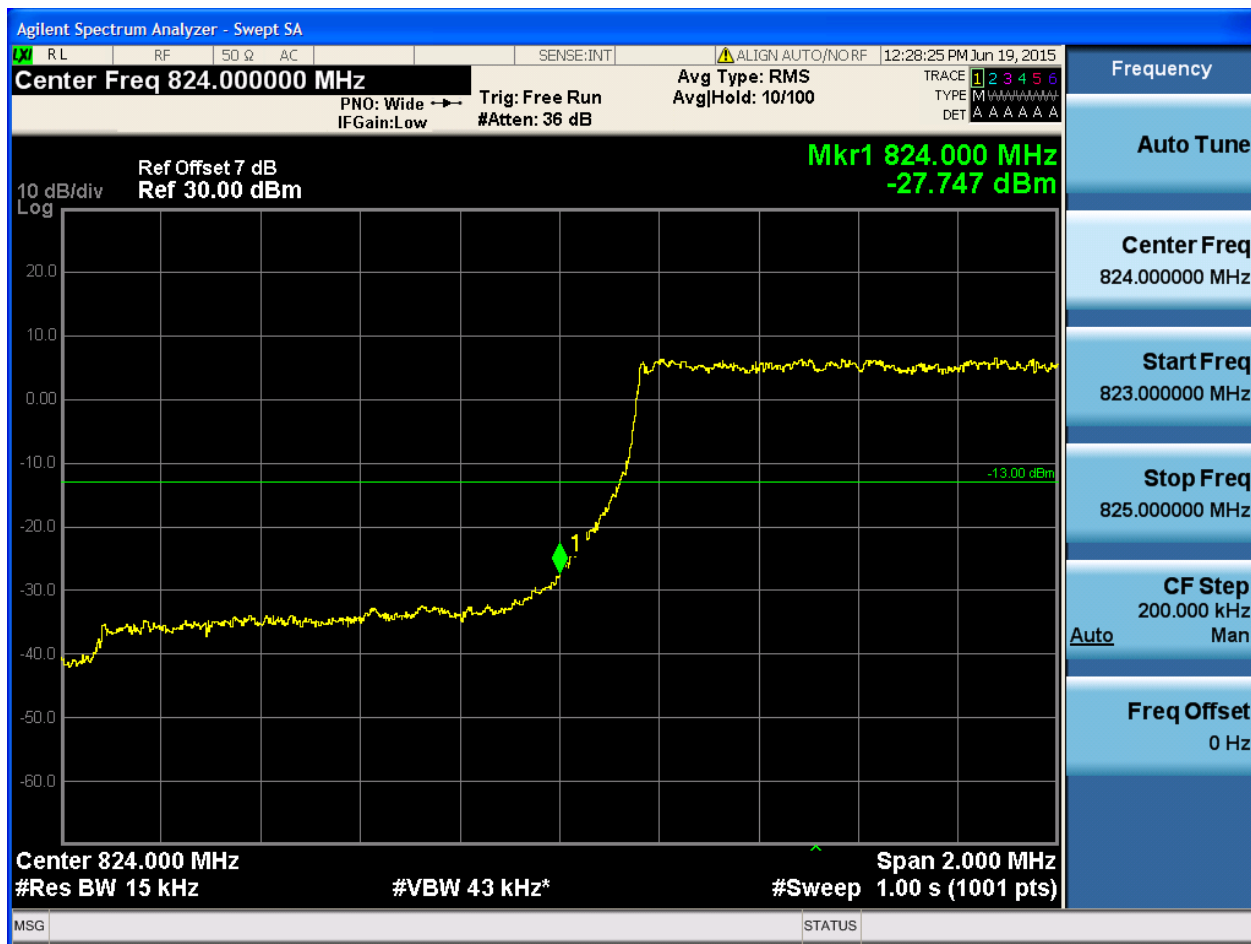


5.1.2.1.1.3 Test RB = RB3#2





5.1.2.1.1.1.4 Test RB = RB6#0



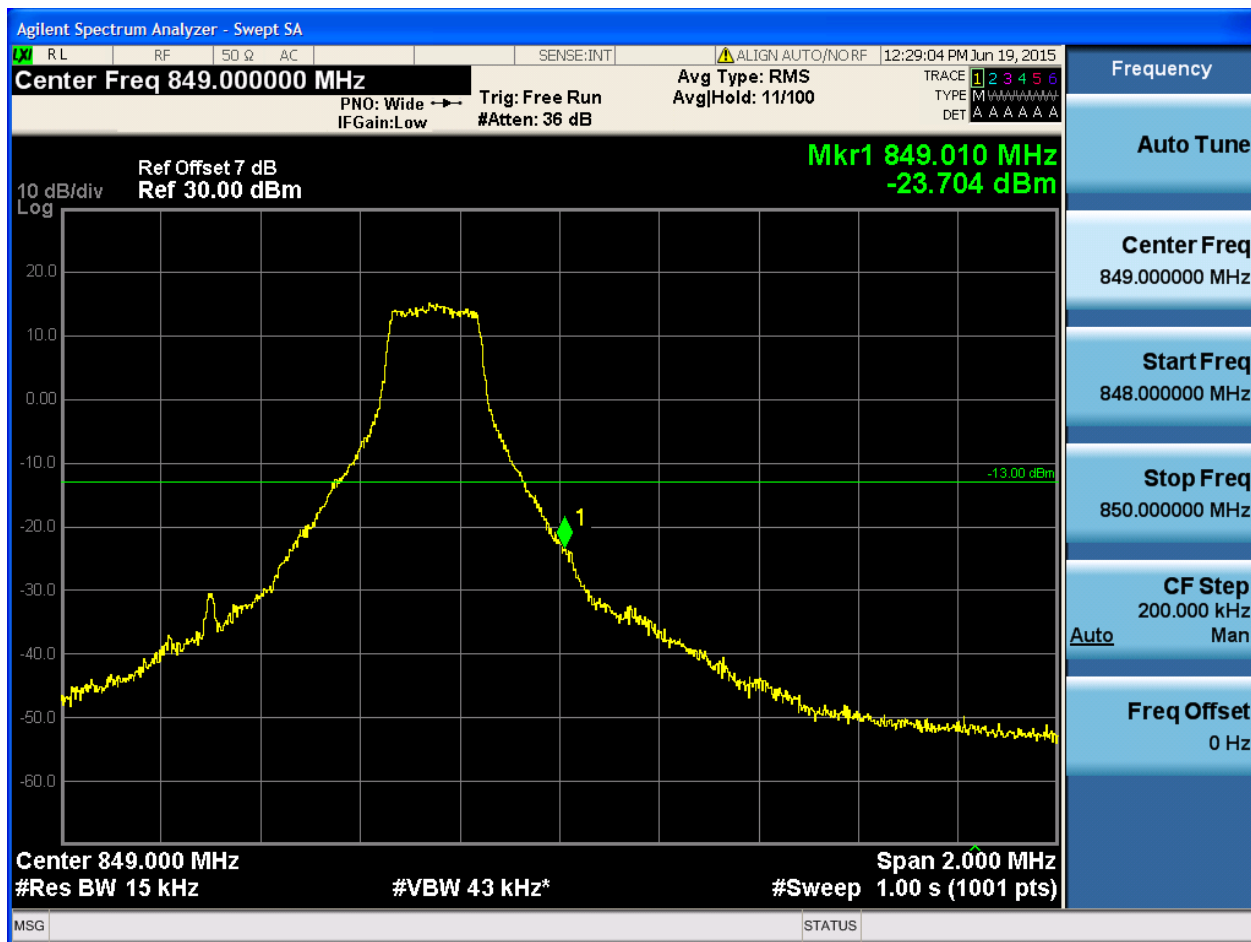
2.1.4.1.1.2 Test Channel = HCH

2.1.4.1.1.2.1 Test RB = RB1#0





2.1.4.1.1.2.2 Test RB = RB1#5





2.1.4.1.1.2.3 Test RB = RB3#2





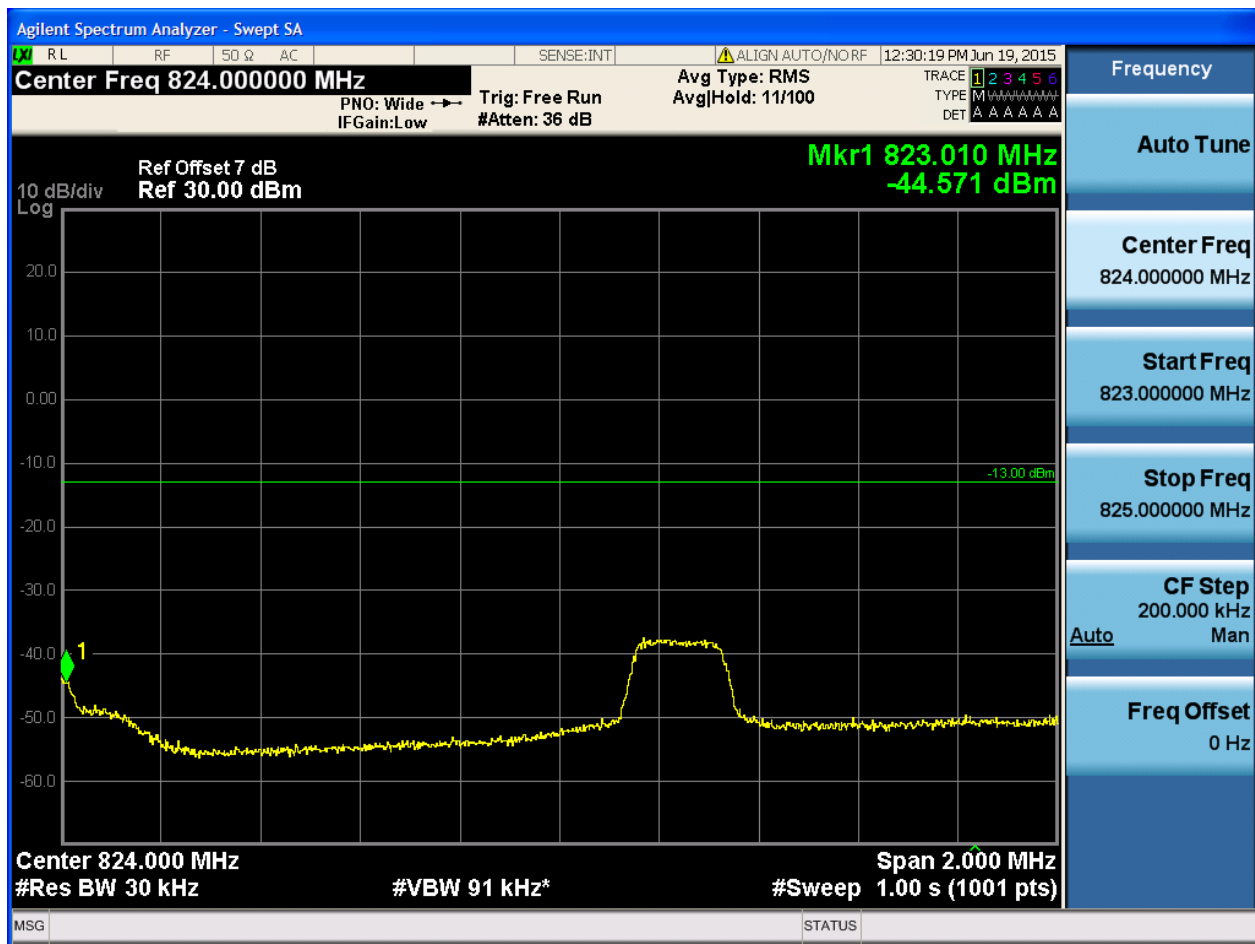
2.1.4.1.1.2.4 Test RB = RB6#0





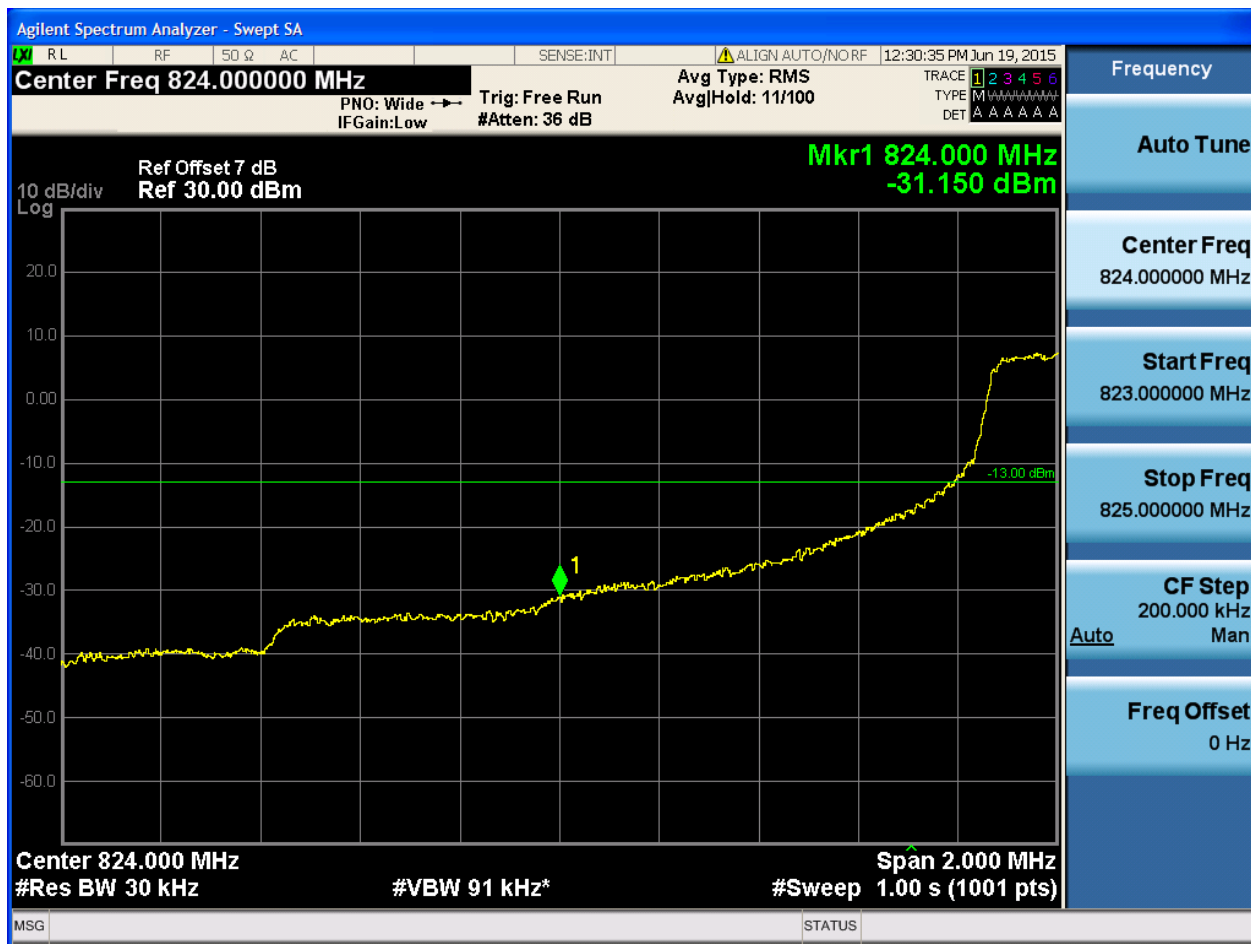


2.4.1.1.2.1.2 Test RB = RB1#14



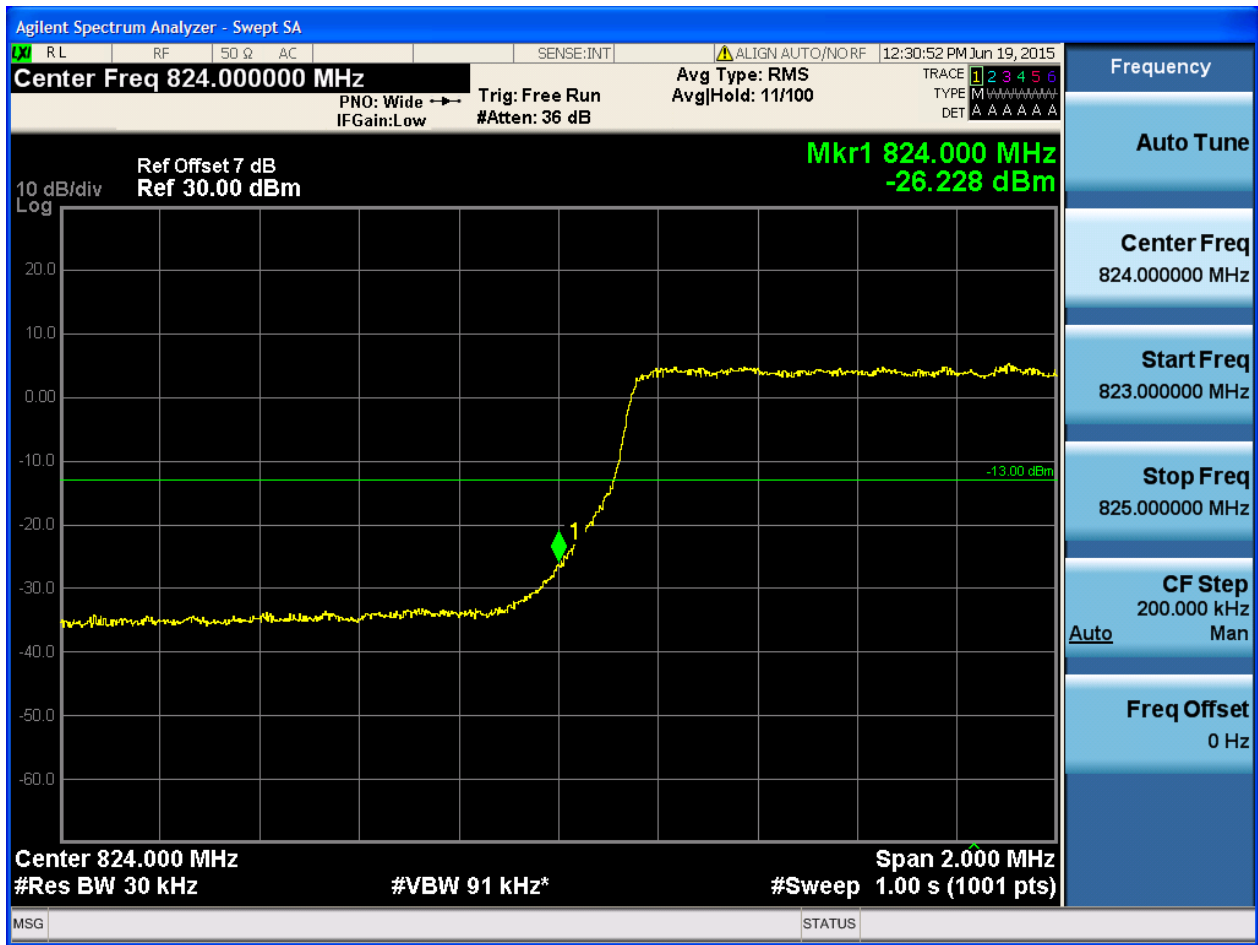


2.4.1.1.2.1.3 Test RB = RB8#4



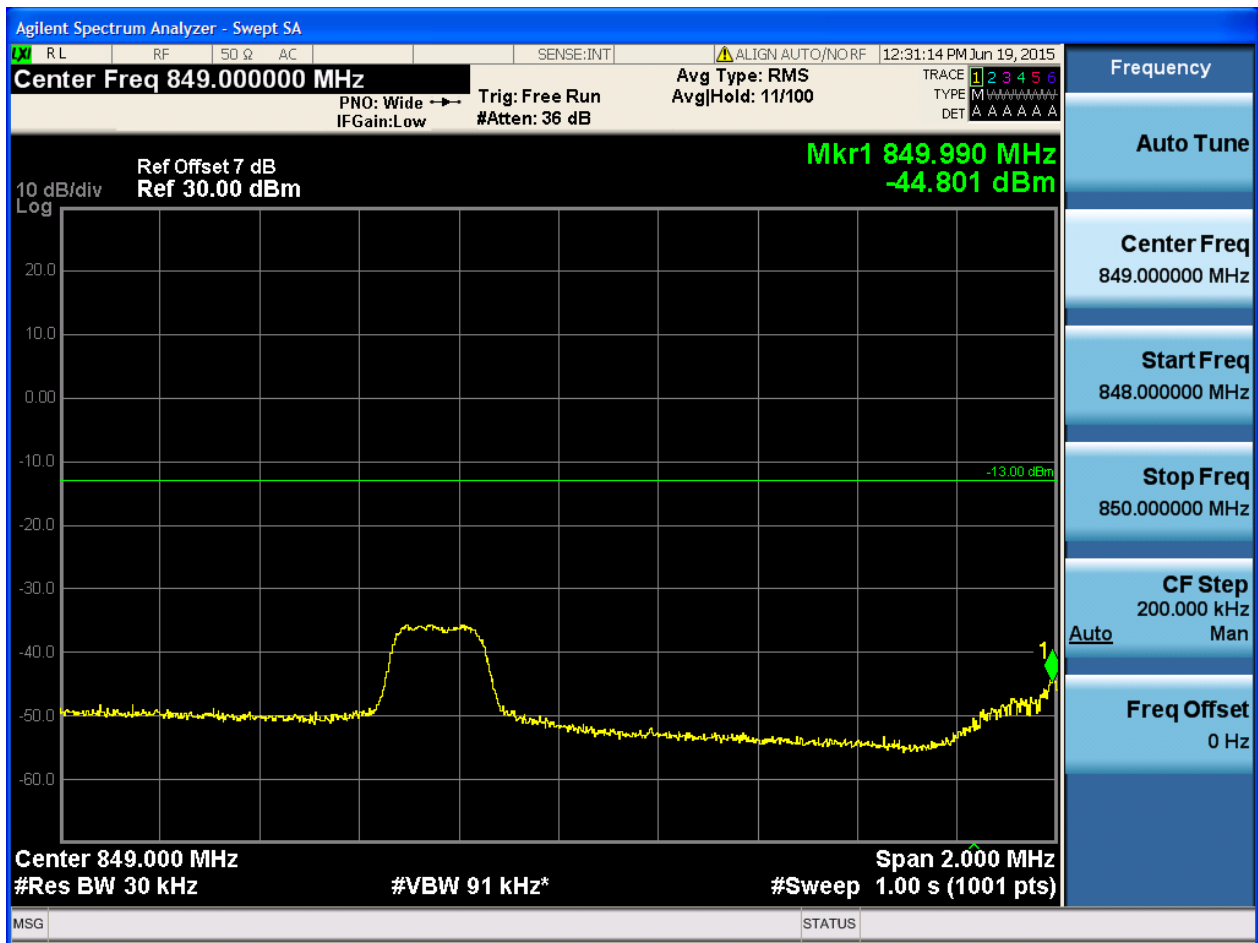


2.4.1.1.2.1.4 Test RB = RB15#0



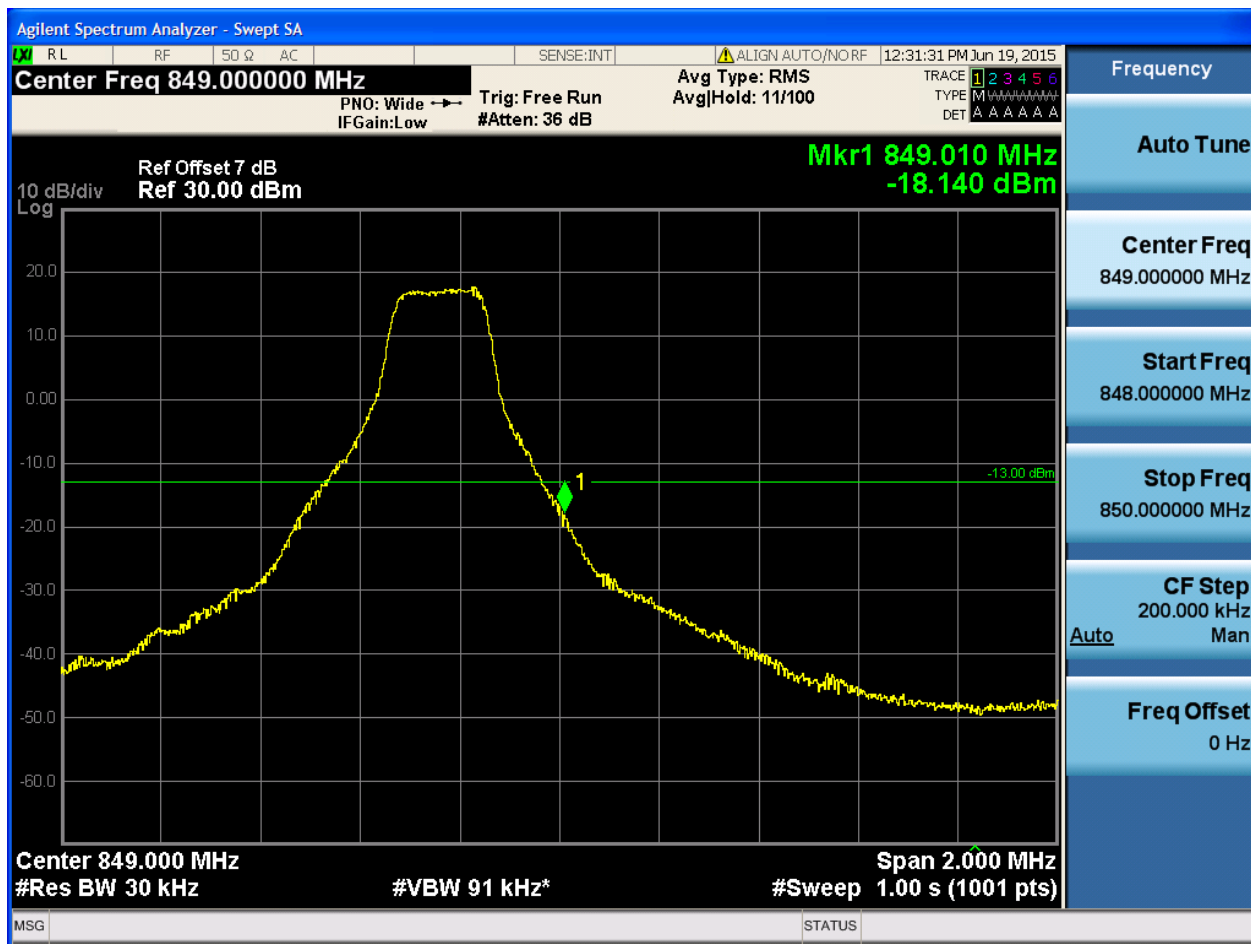


2.4.1.1.2.2.1 Test RB = RB1#0





2.4.1.1.2.2.2 Test RB = RB1#14



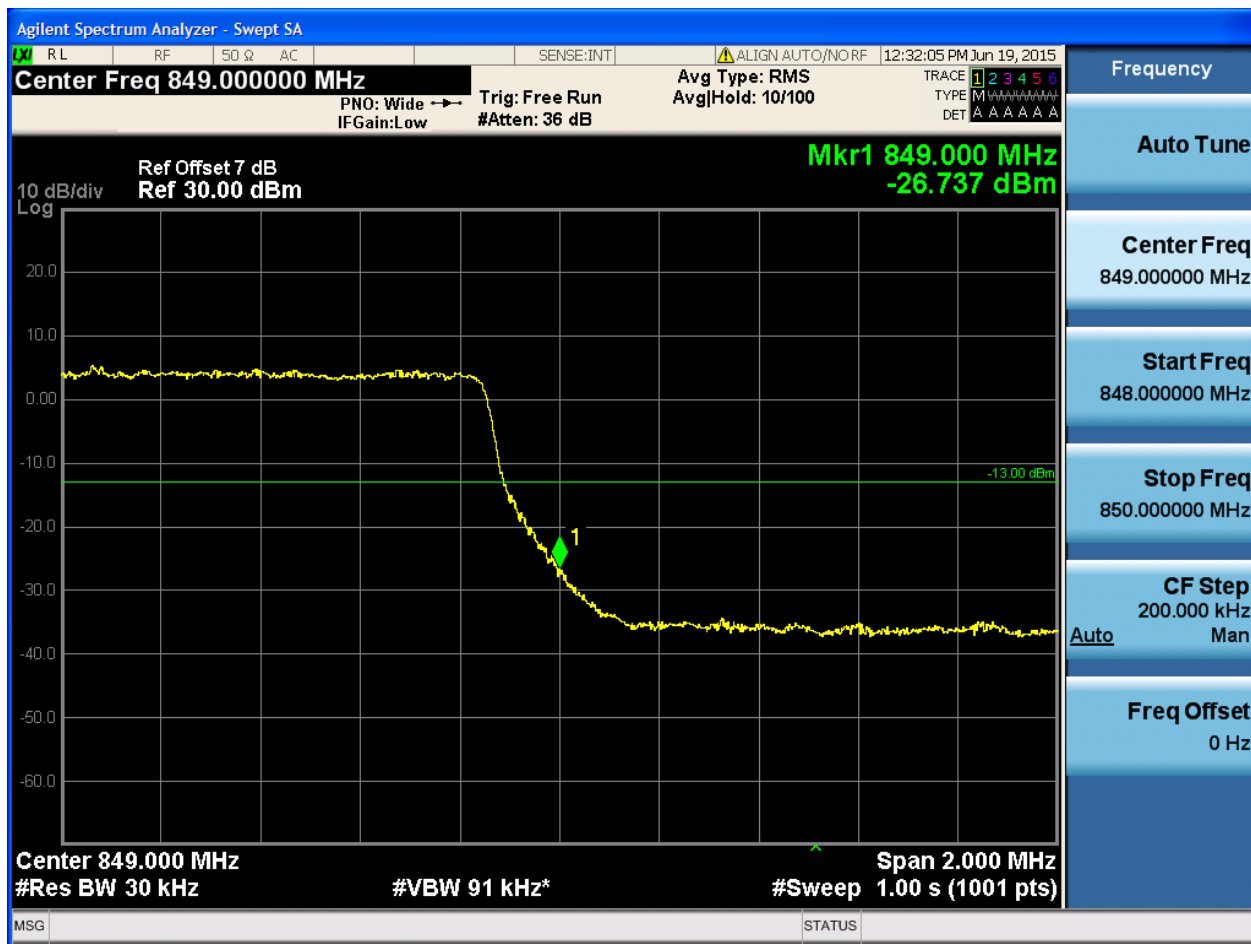


2.4.1.1.2.2.3 Test RB = RB8#4





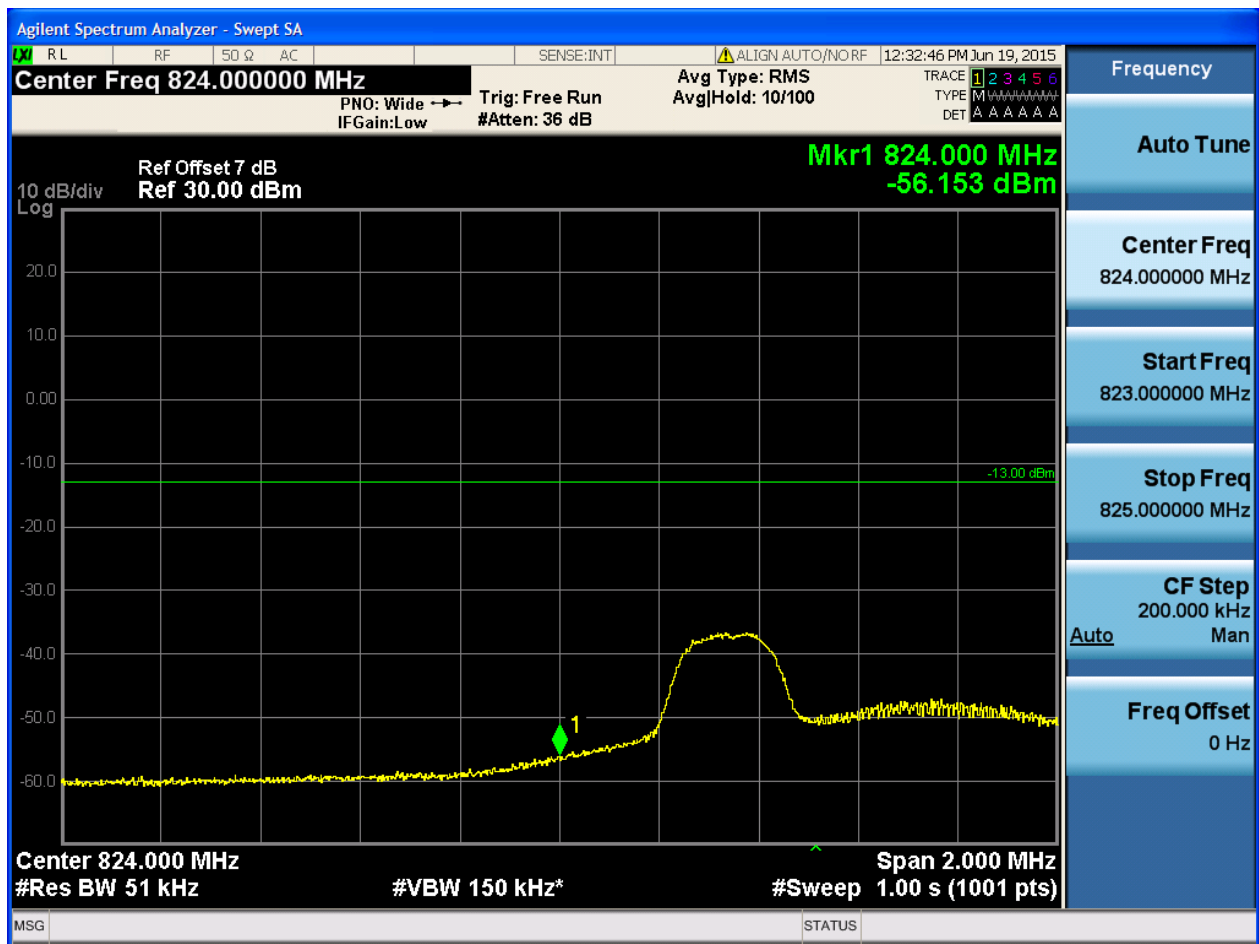
2.4.1.1.2.2.4 Test RB = RB15#0





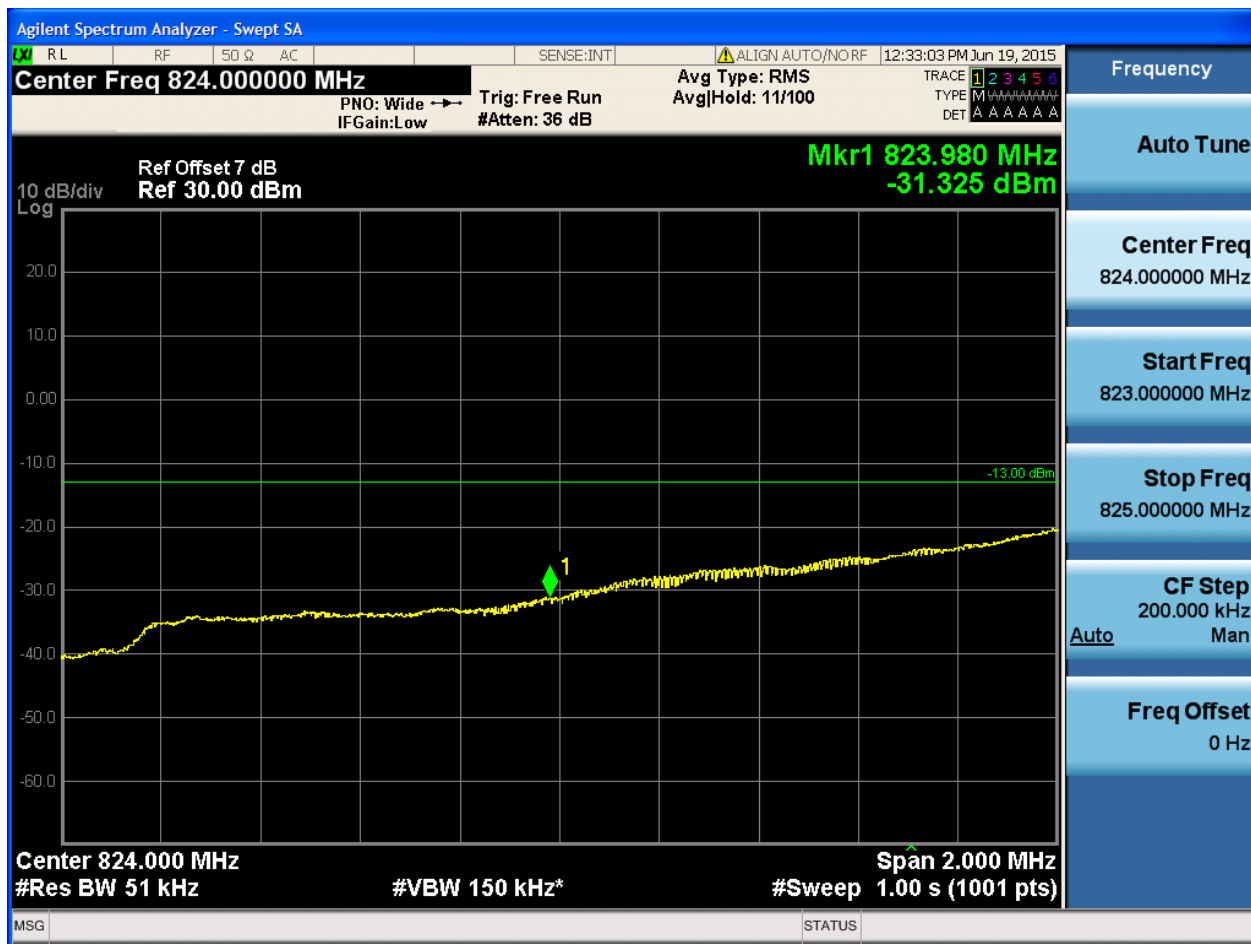


5.1.2.1.3.1.2 Test RB = RB1#24



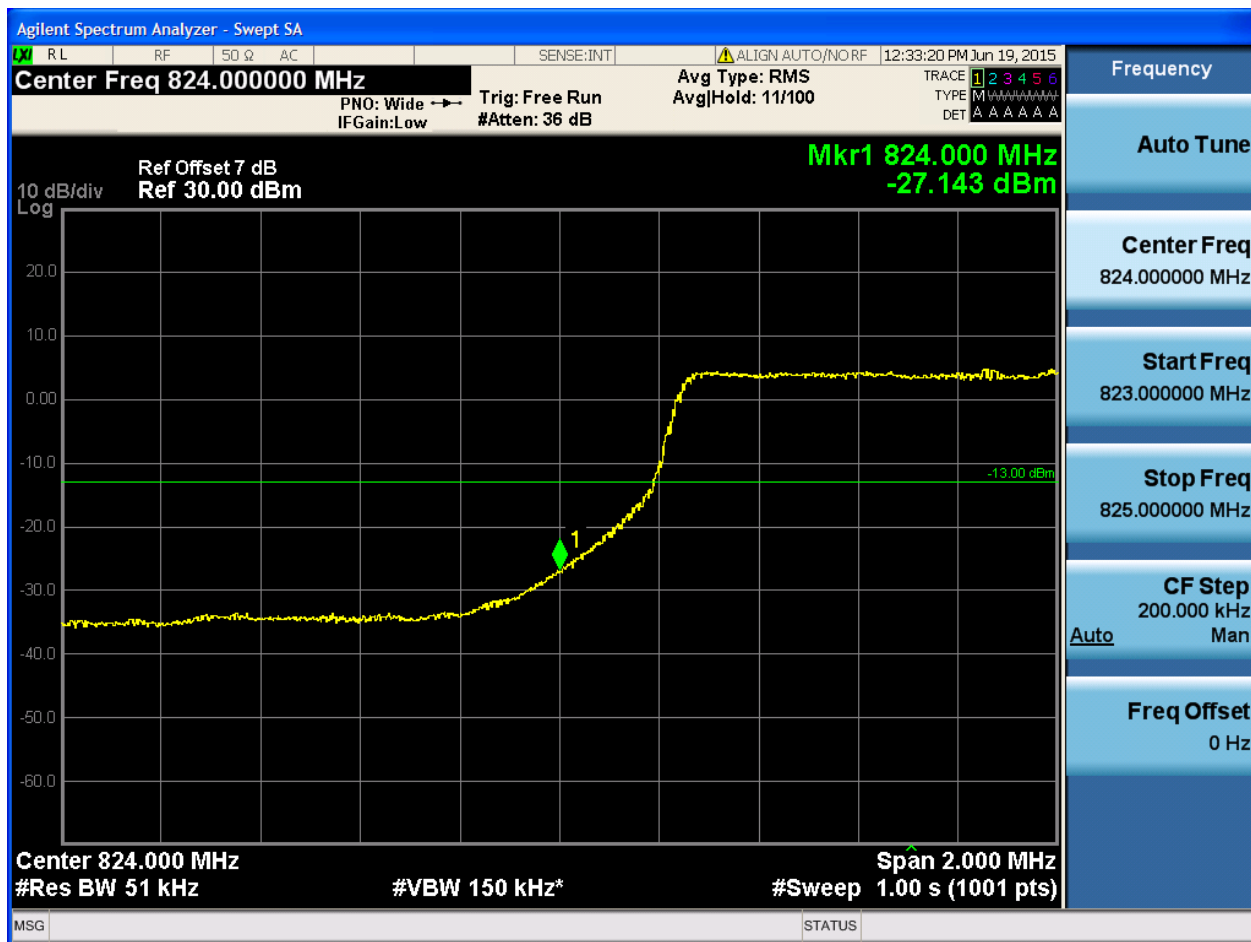


5.1.2.1.3.1.3 Test RB = RB12#6



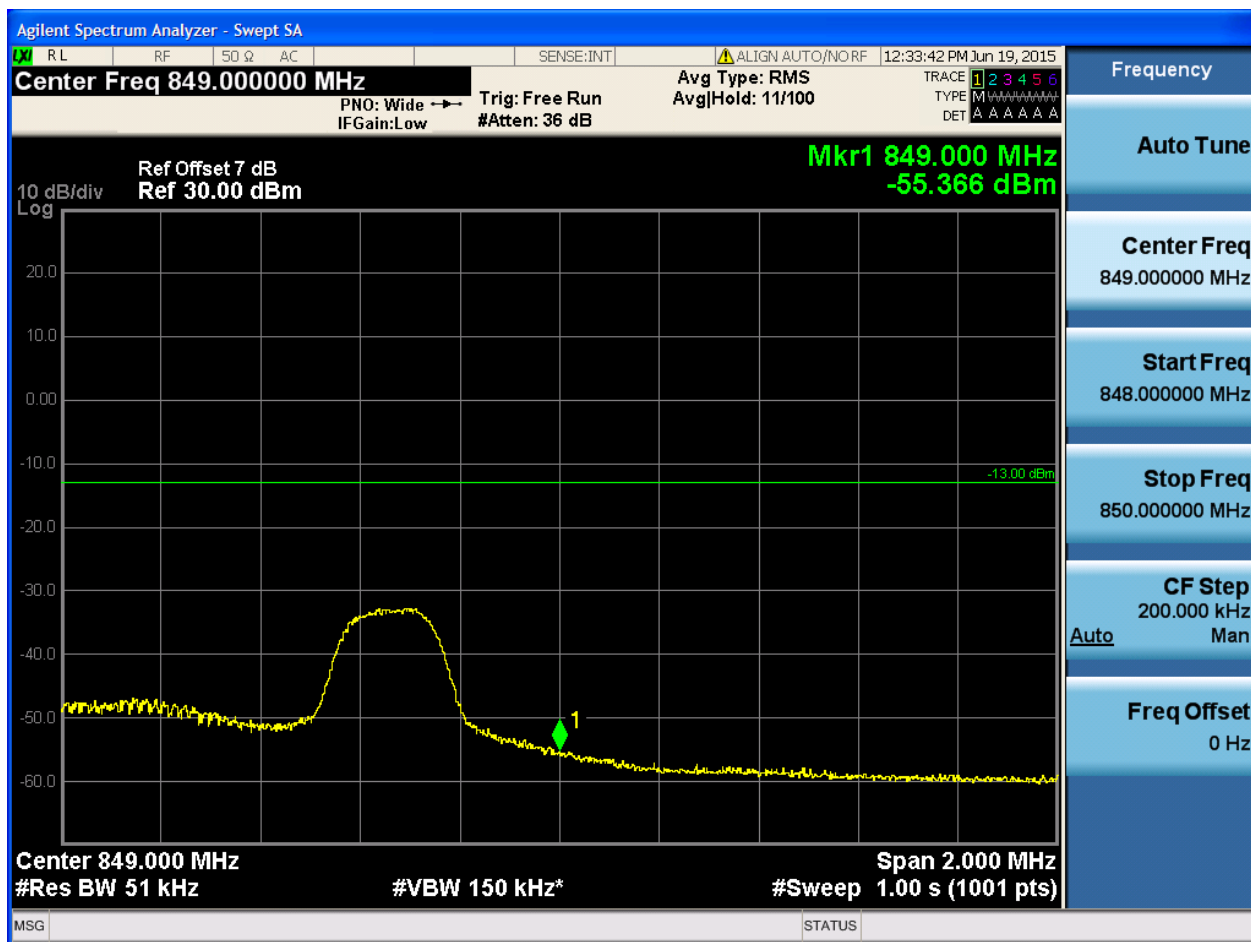


5.1.2.1.3.1.4 Test RB = RB25#0



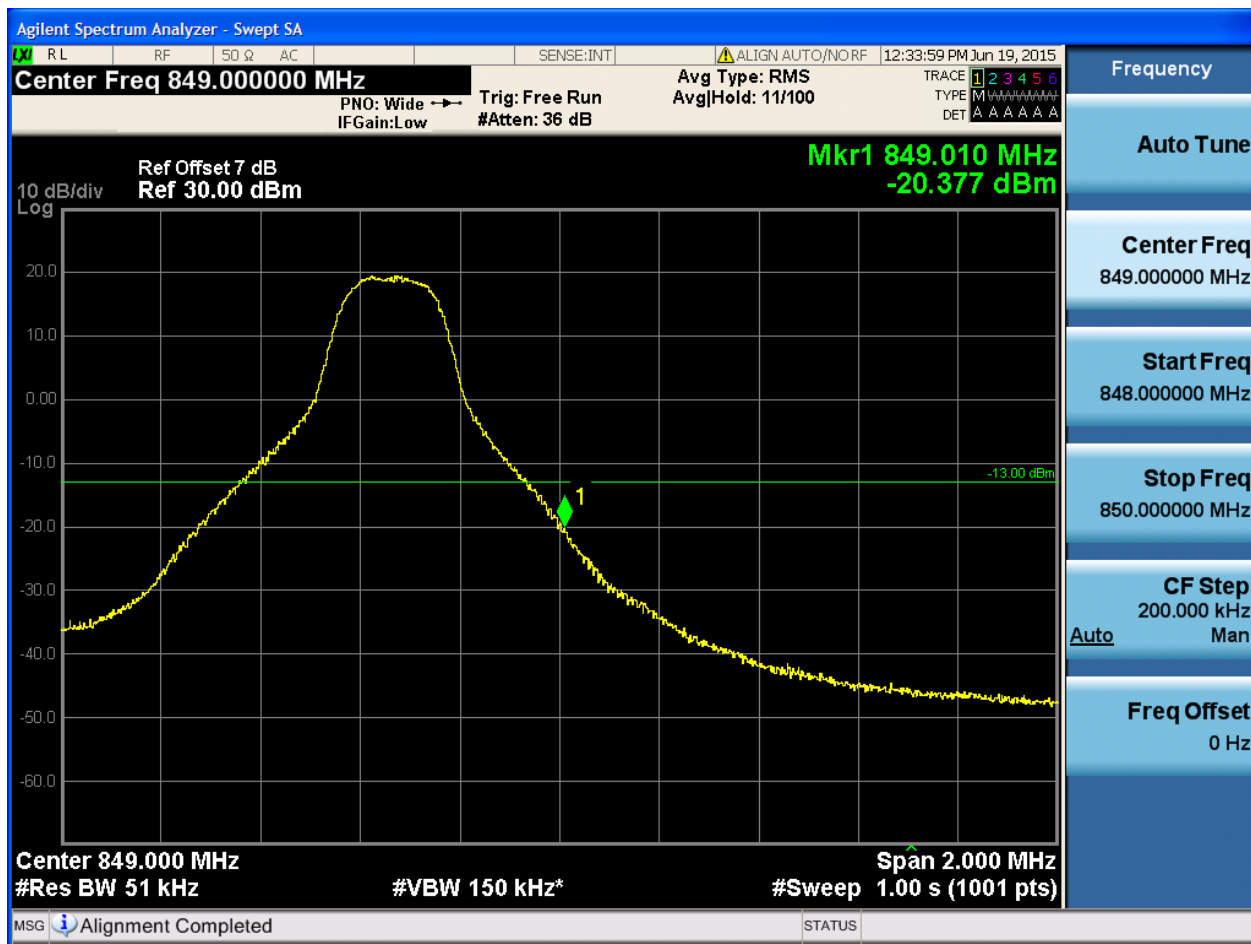
5.1.2.1.3.2 Test Channel = HCH

5.1.2.1.3.2.1 Test RB = RB1#0



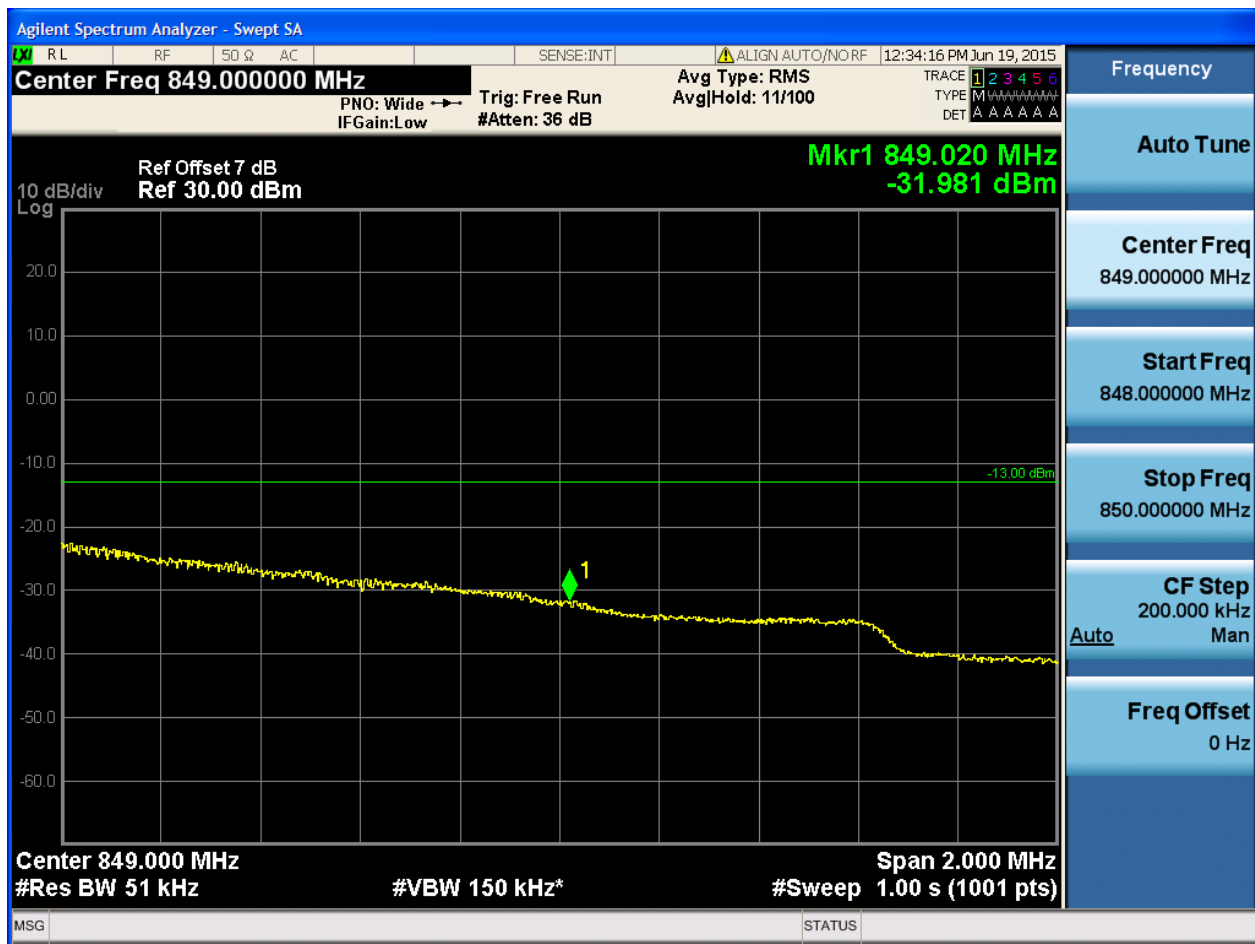


5.1.2.1.3.2.2 Test RB = RB1#24





5.1.2.1.3.2.3 Test RB = RB12#6





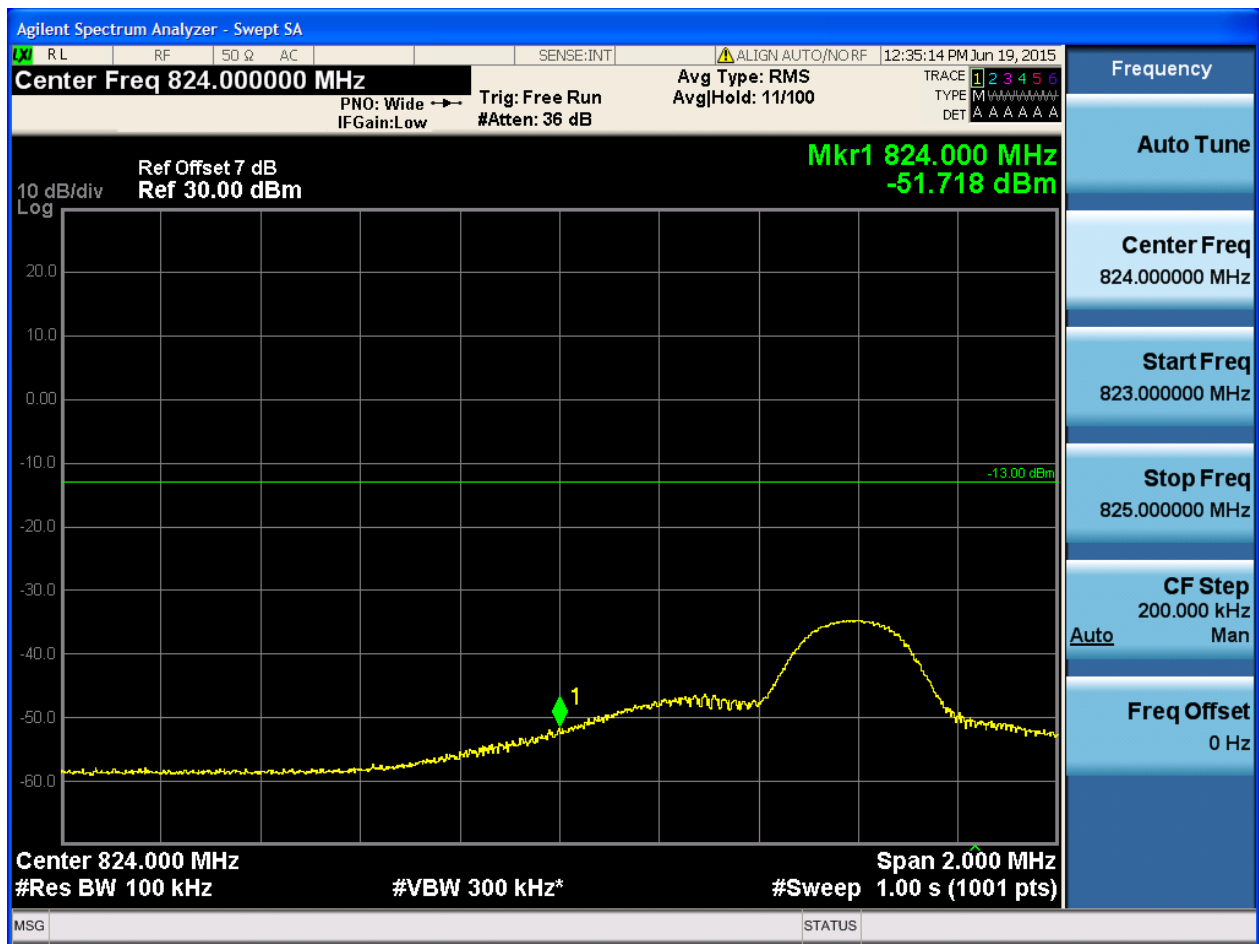
5.1.2.1.3.2.4 Test RB = RB25#0





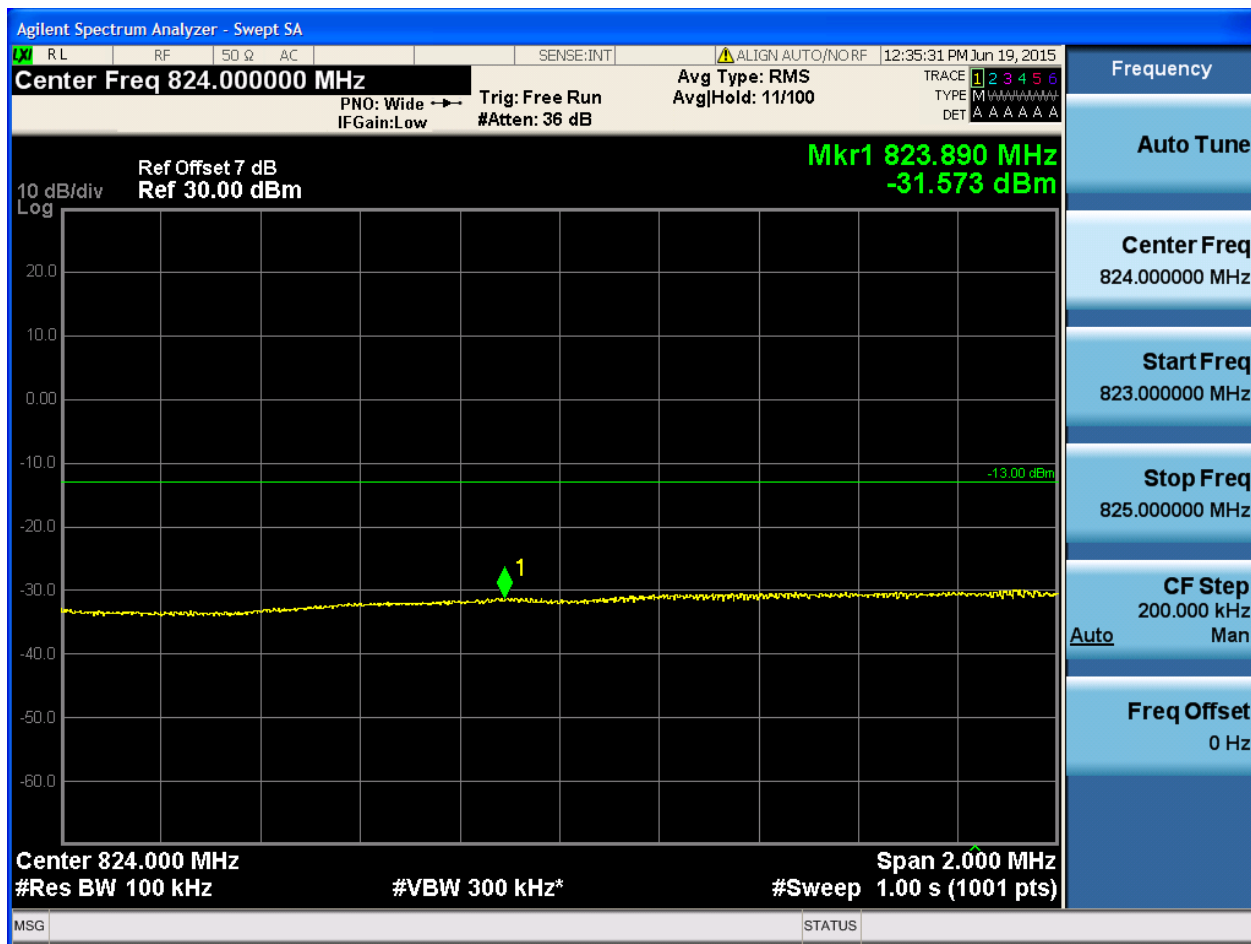


5.1.2.1.4.1.2 Test RB = RB1#49





5.1.2.1.4.1.3 Test RB = RB25#13





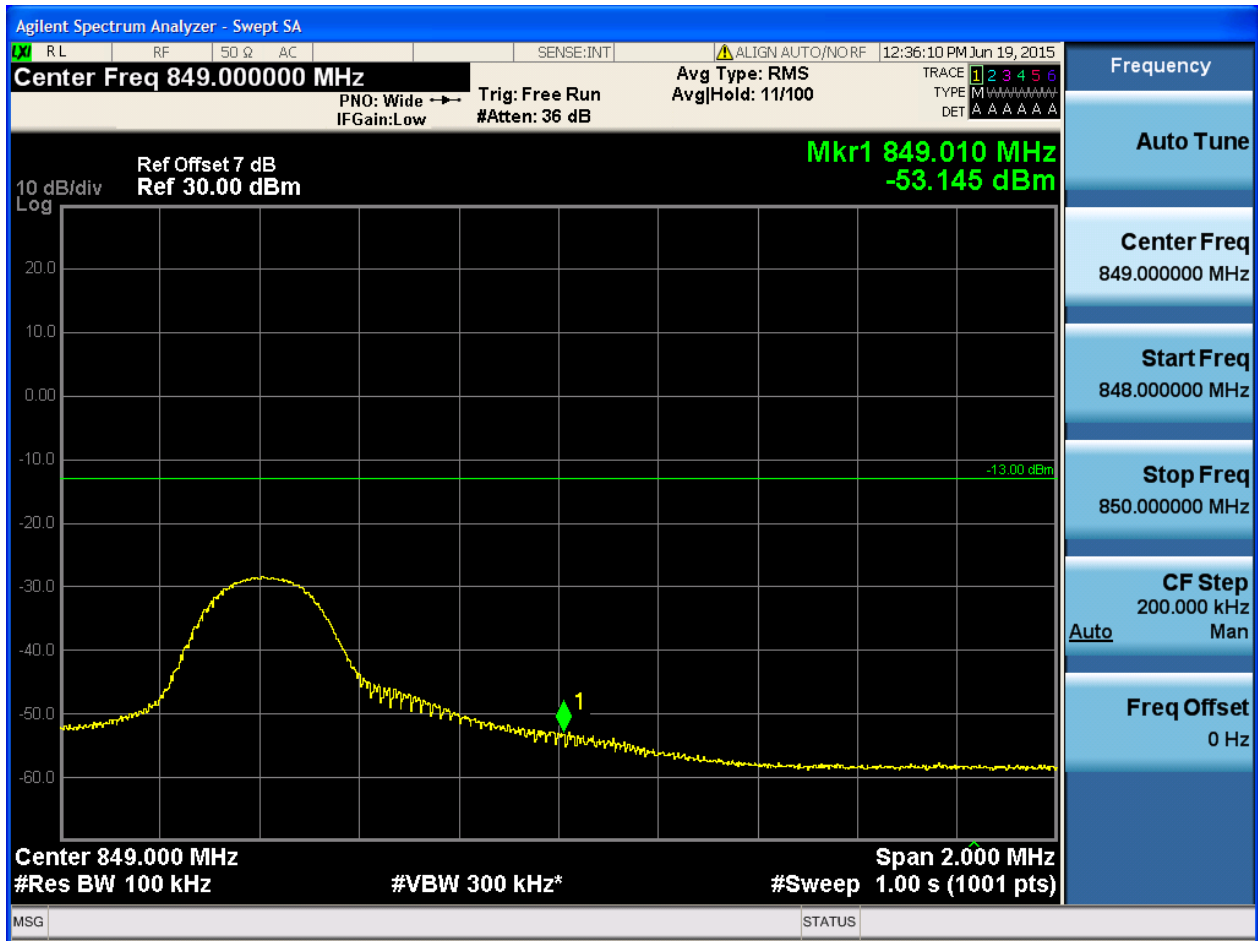
5.1.2.1.4.1.4 Test RB = RB50#0





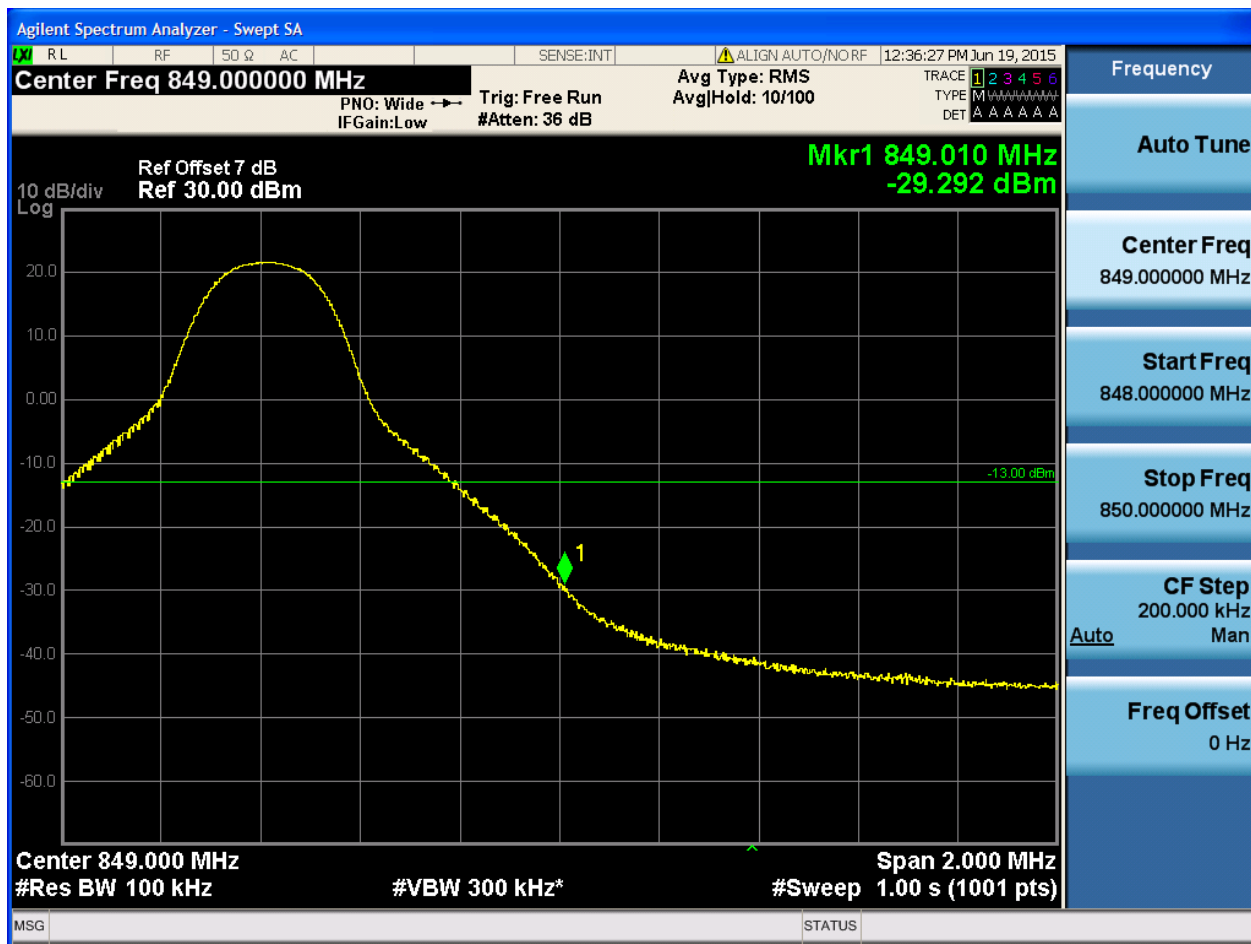
5.1.2.1.4.2 Test Channel = HCH

5.1.2.1.4.2.1 Test RB = RB1#0



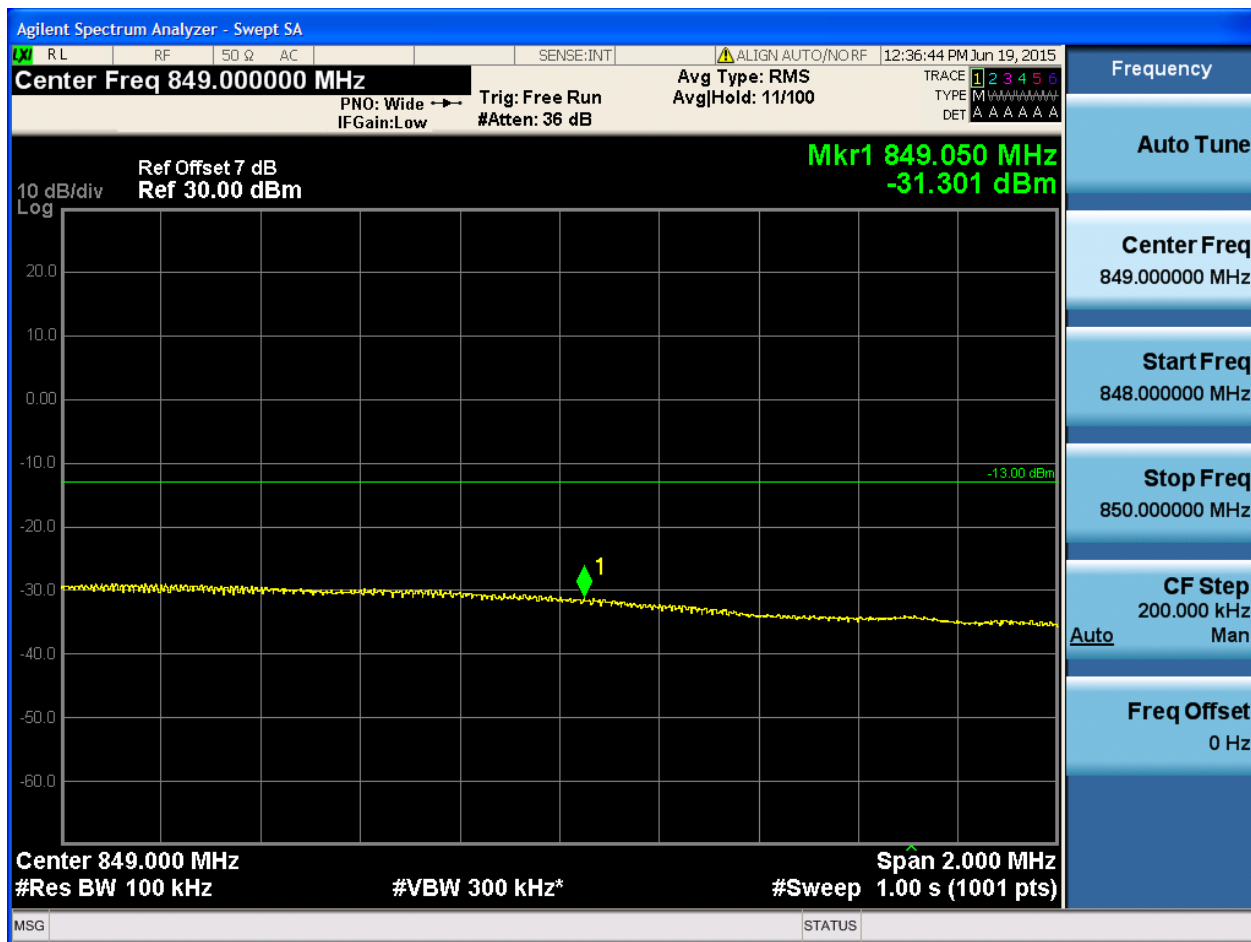


5.1.2.1.4.2.2 Test RB = RB1#49





5.1.2.1.4.2.3 Test RB = RB25#13





5.1.2.1.4.2.4 Test RB = RB50#0



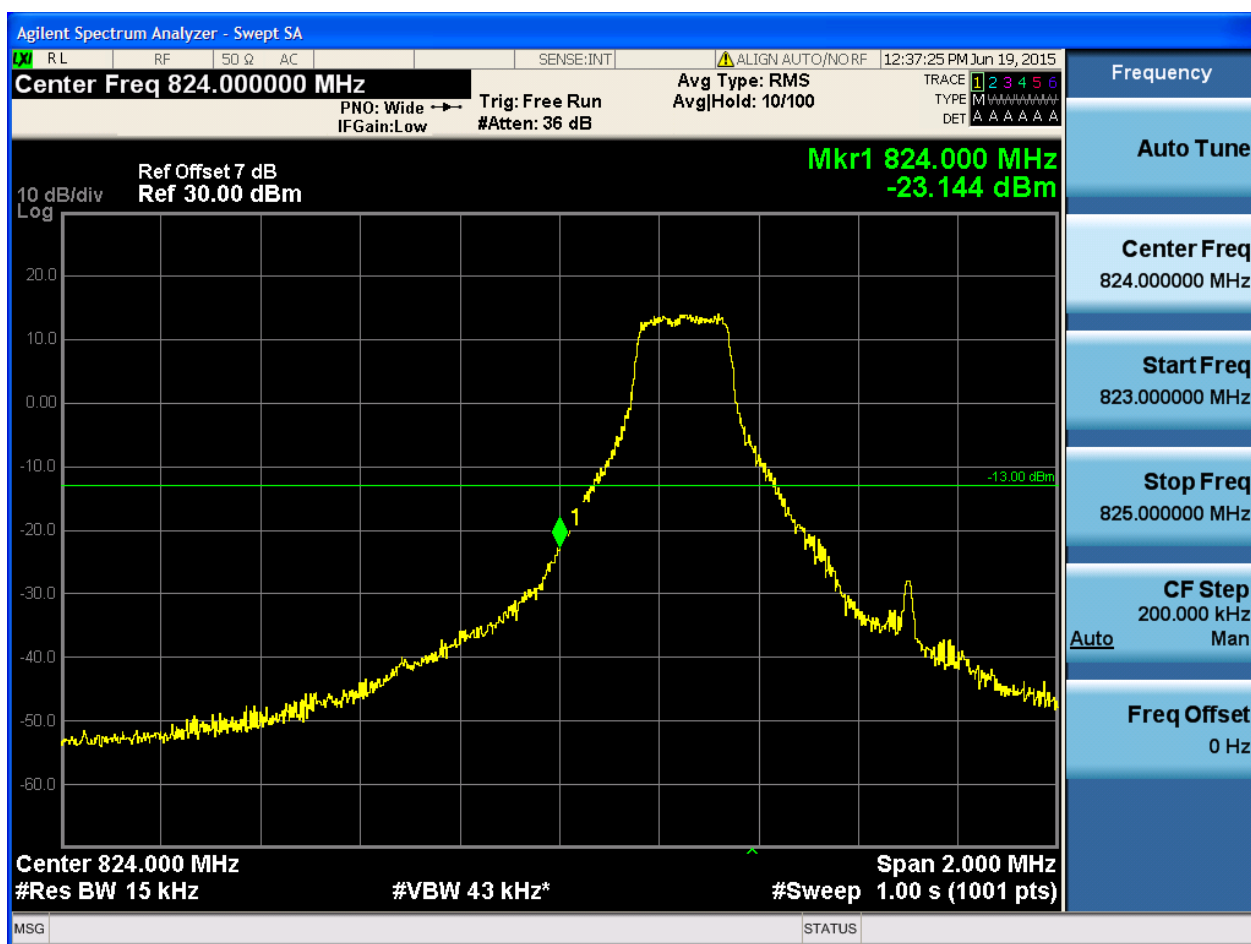


5.1.2.2 Test Mode = LTE/TM2

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



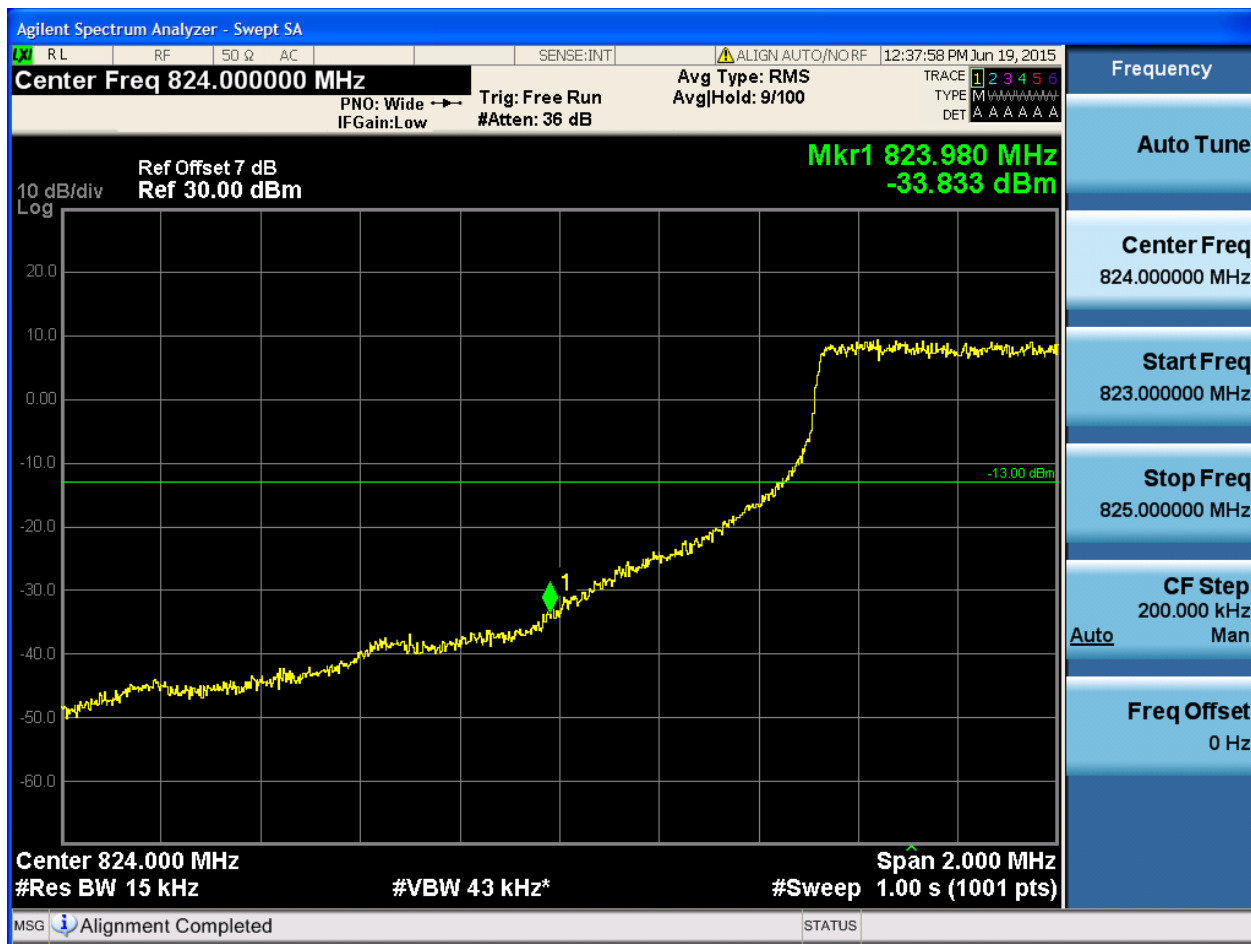


5.1.2.2.1.1.2 Test RB = RB1#5



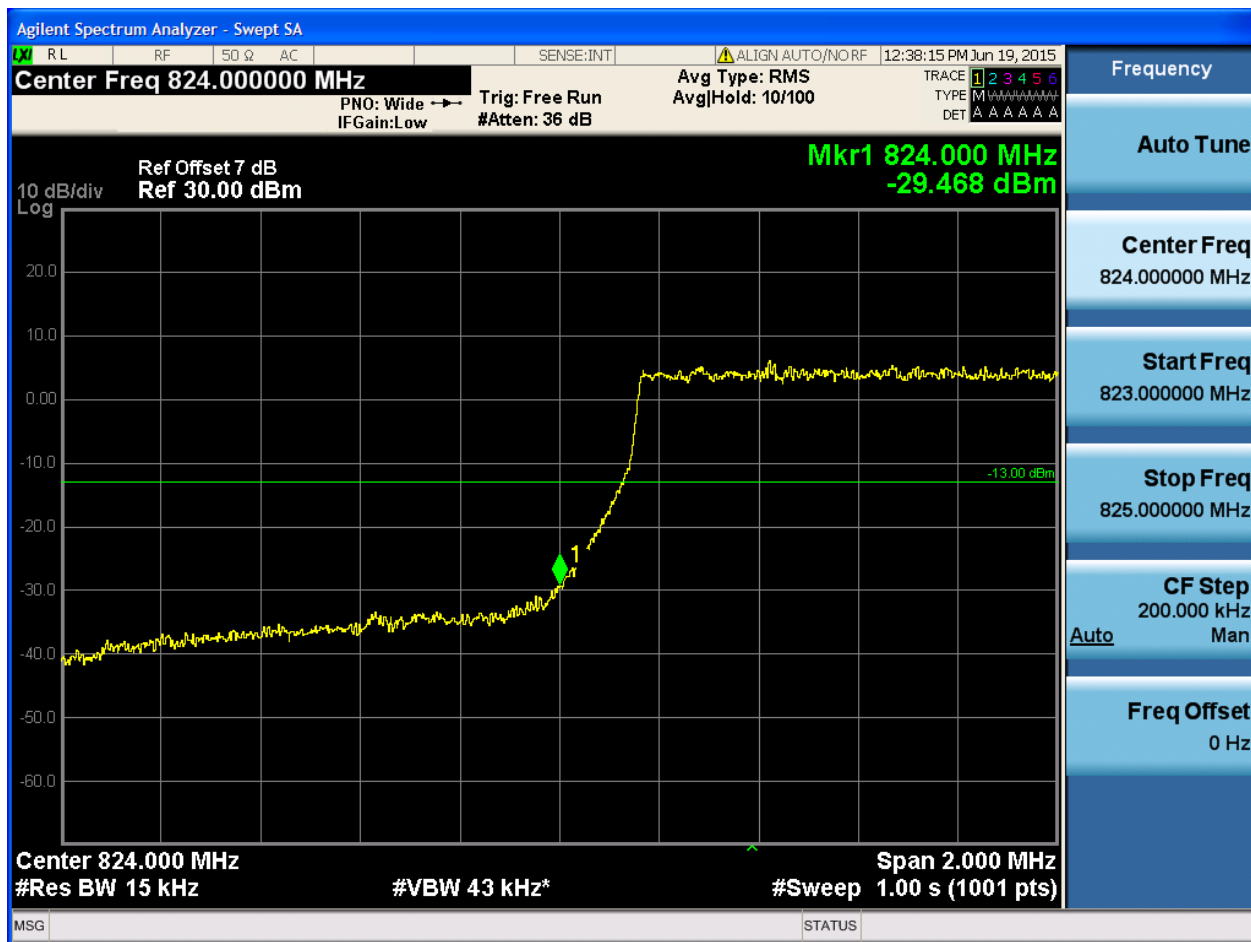


5.1.2.2.1.1.3 Test RB = RB3#2





5.1.2.2.1.1.4 Test RB = RB6#0





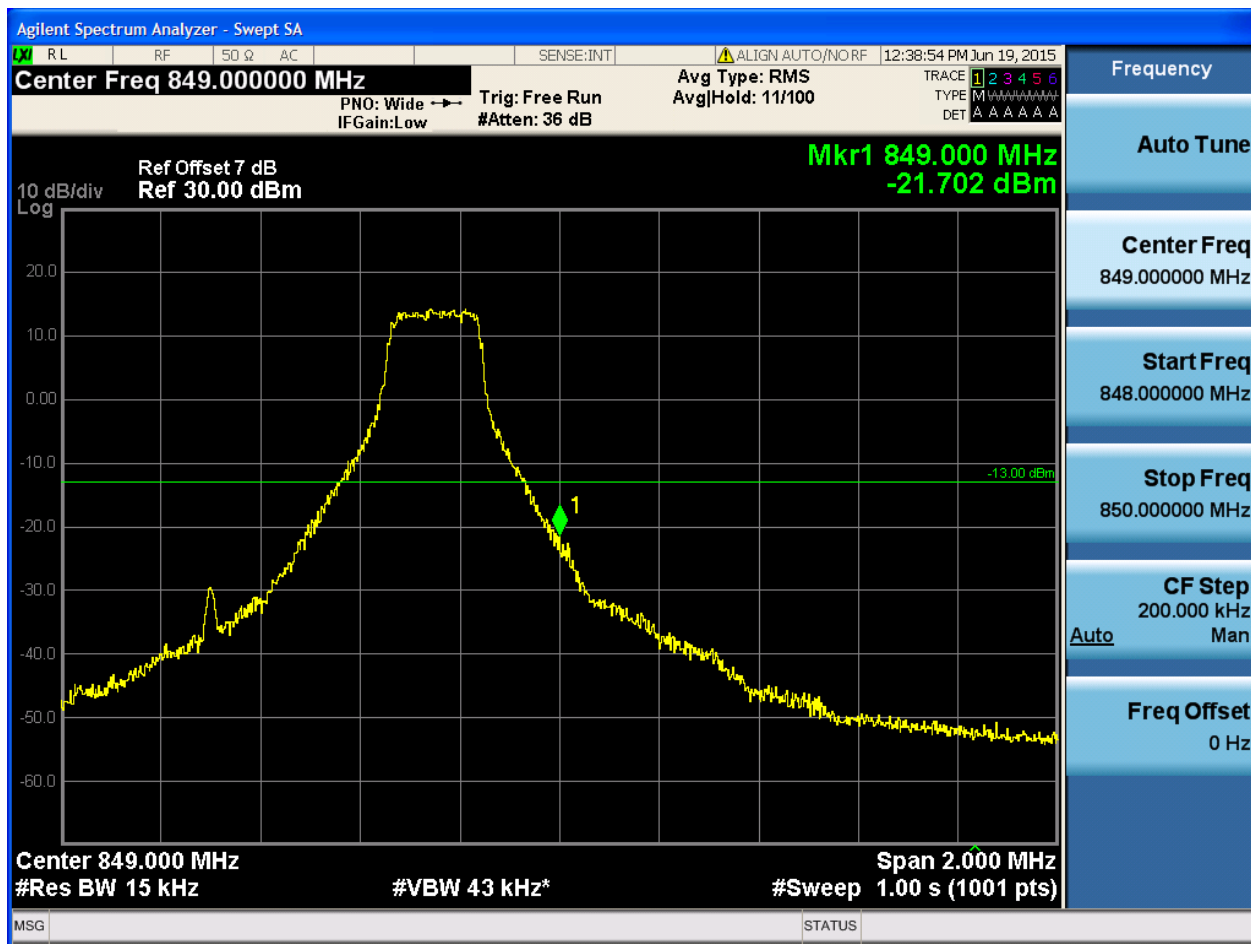
5.1.2.2.1.2 Test Channel = HCH

5.1.2.2.1.2.1 Test RB = RB1#0





5.1.2.2.1.2.2 Test RB = RB1#5





5.1.2.2.1.2.3 Test RB = RB3#2





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.030 MHz
-29.809 dBm

Center 849.000 MHz
#Res BW 15 kHz
#VBW 43 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

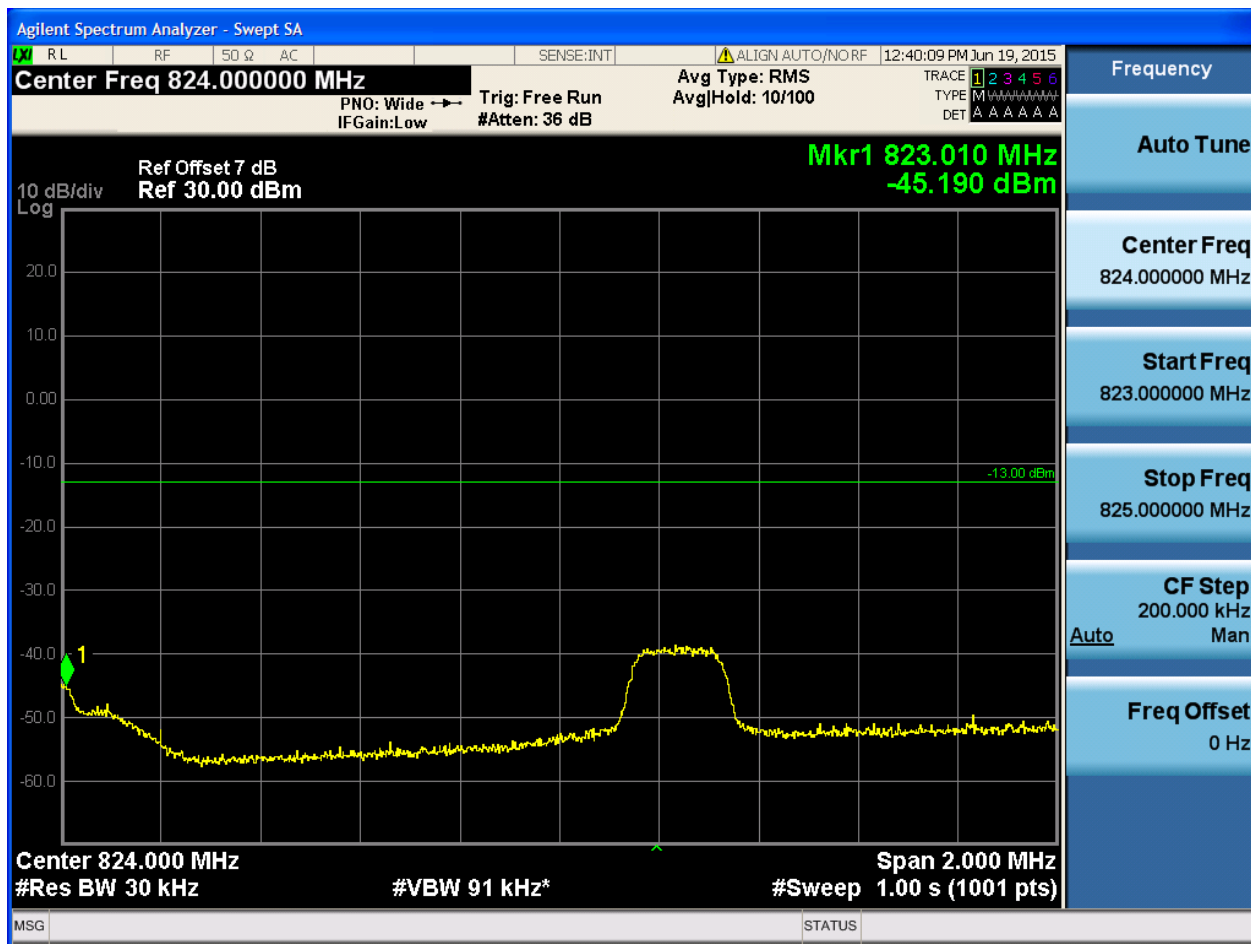
CF Step
200.000 kHz
Man

Freq Offset
0 Hz



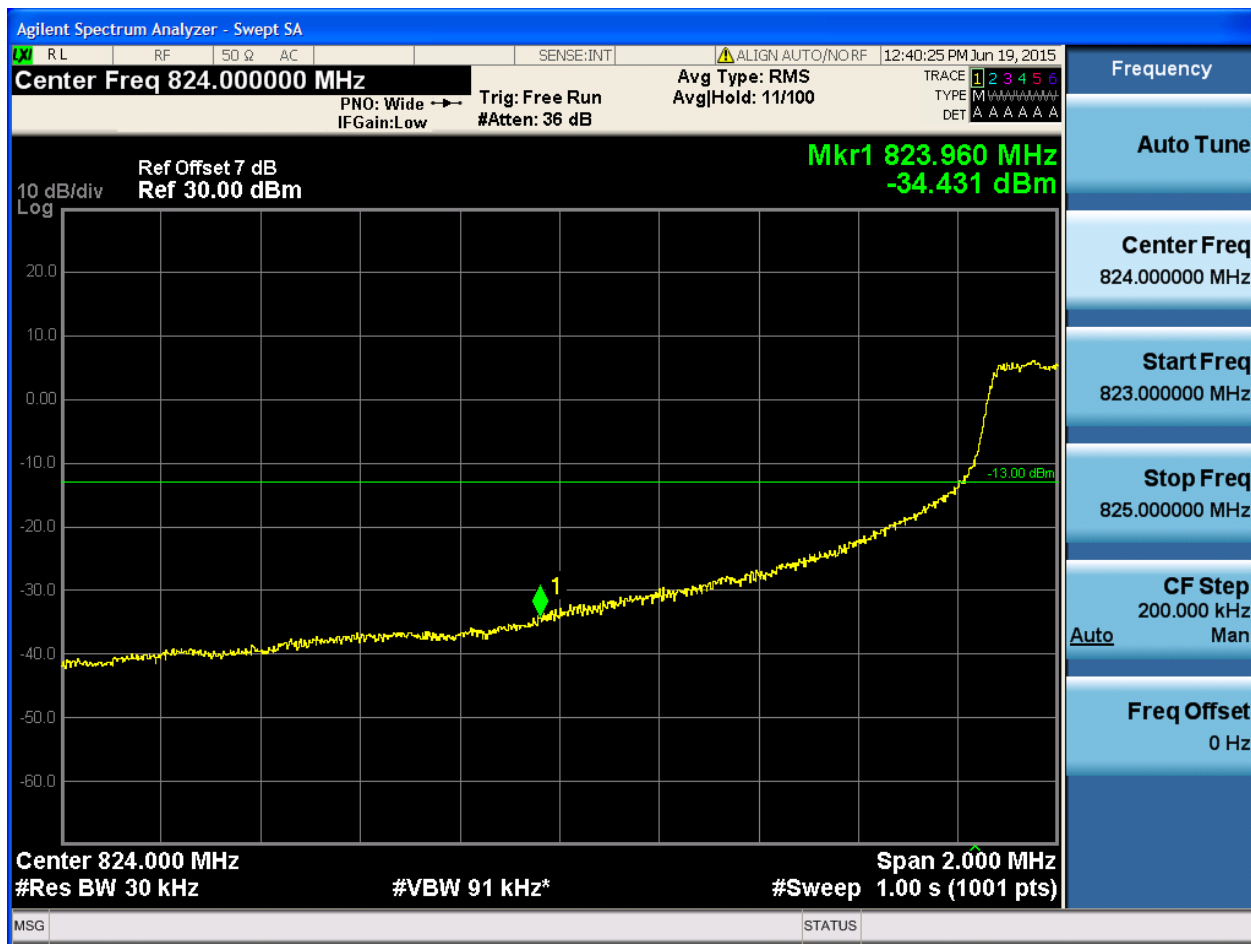


5.1.2.2.1.2 Test RB = RB1#14



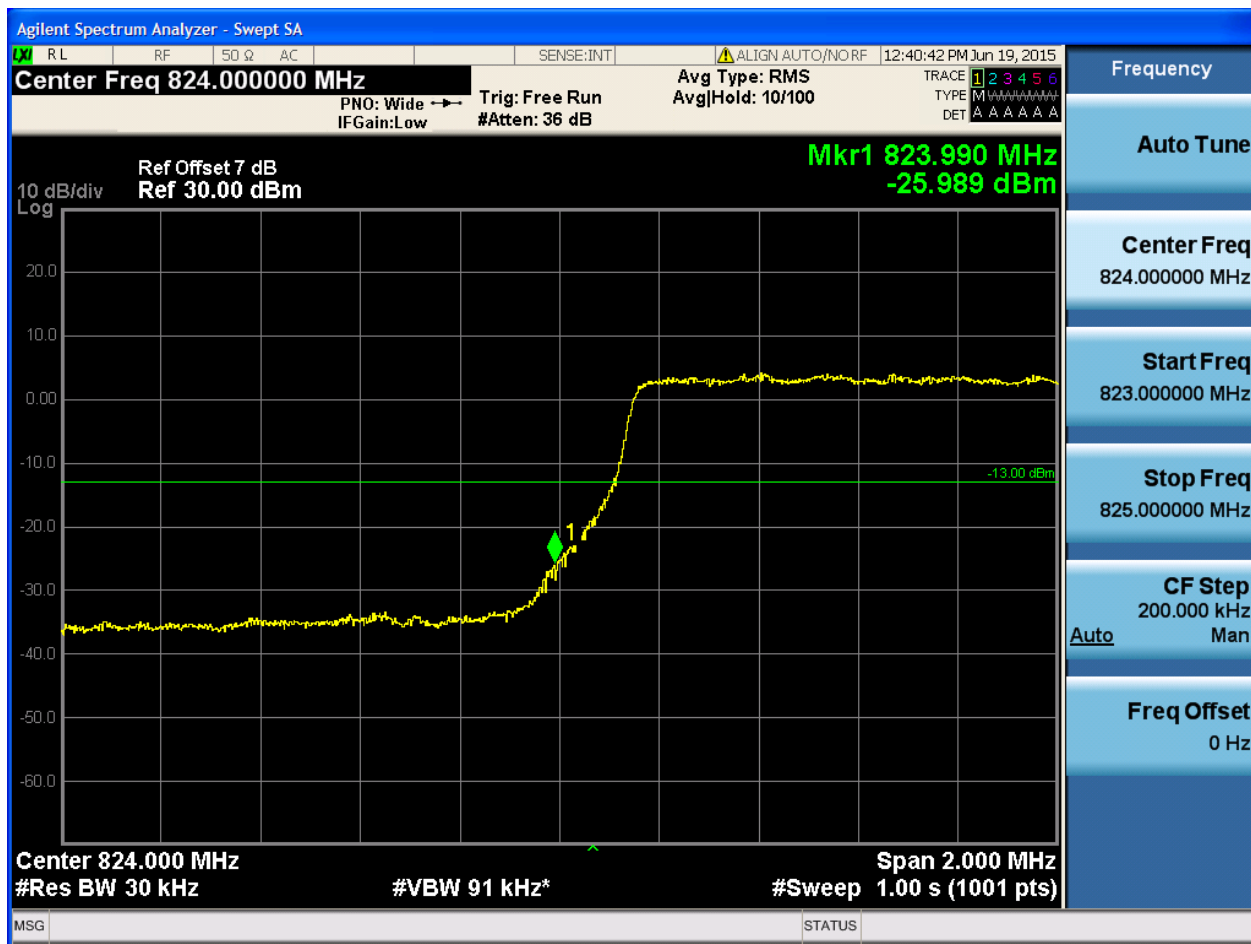


5.1.2.2.1.3 Test RB = RB8#4



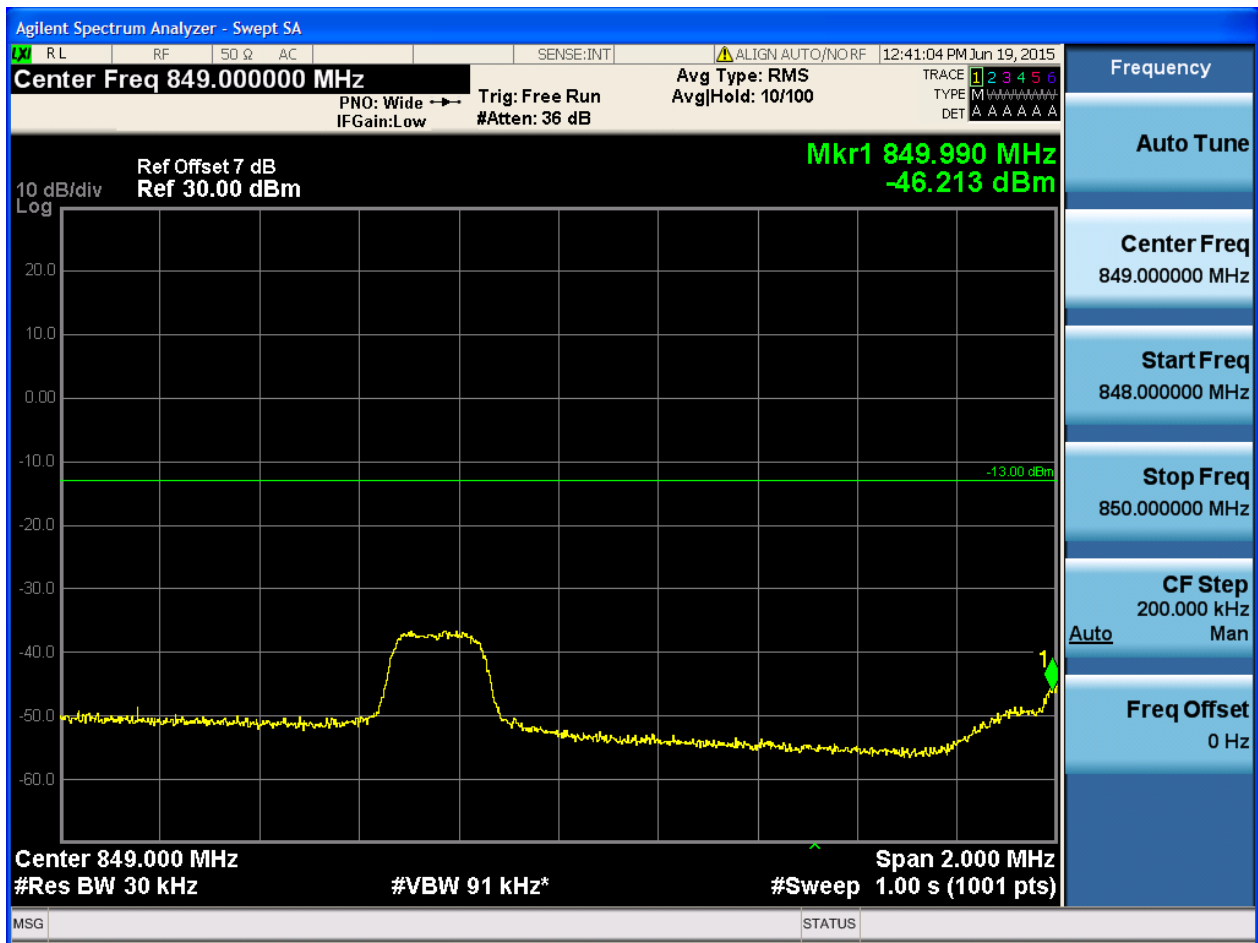


5.1.2.2.1.4 Test RB = RB15#0



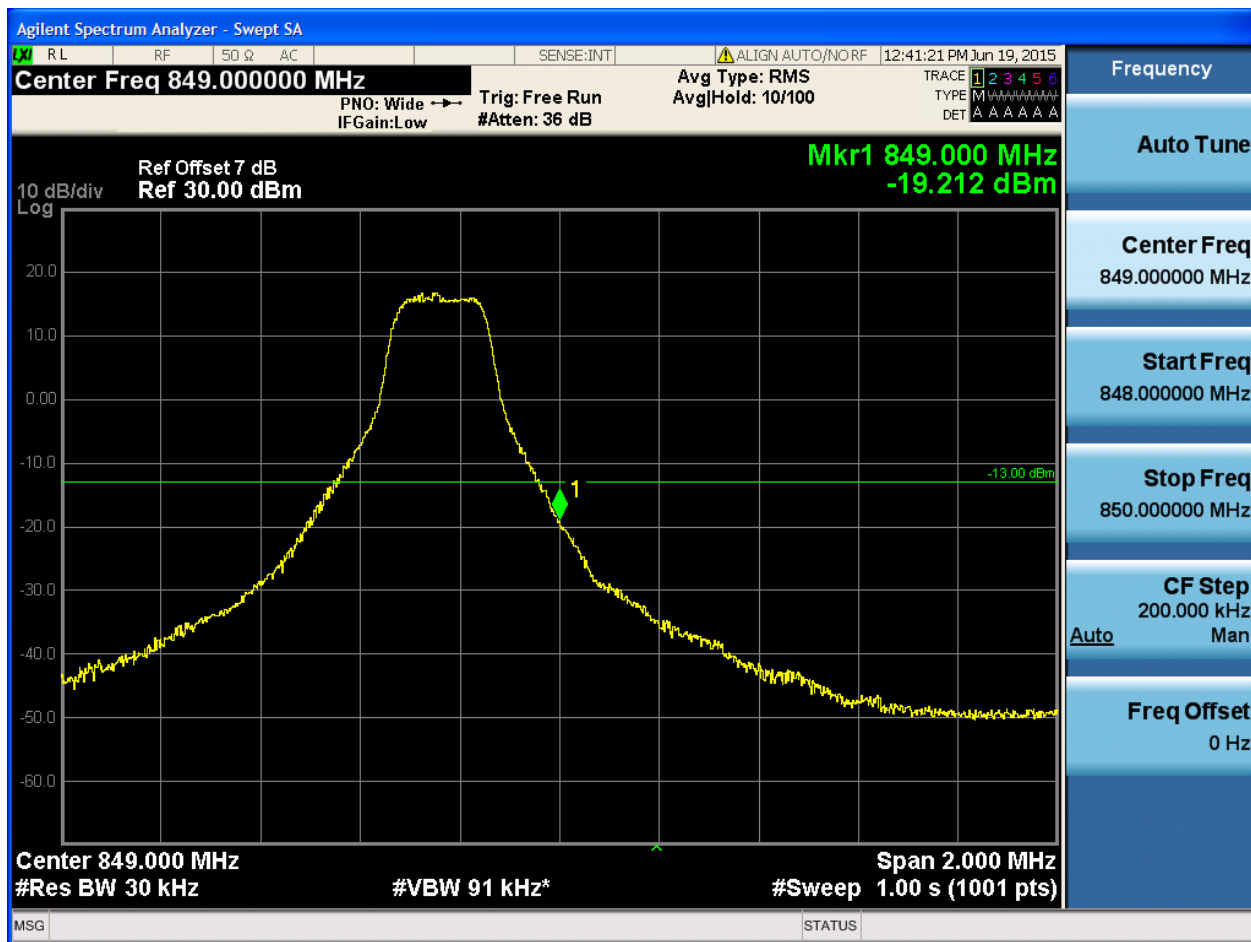


5.1.2.2.2.2.1 Test RB = RB1#0



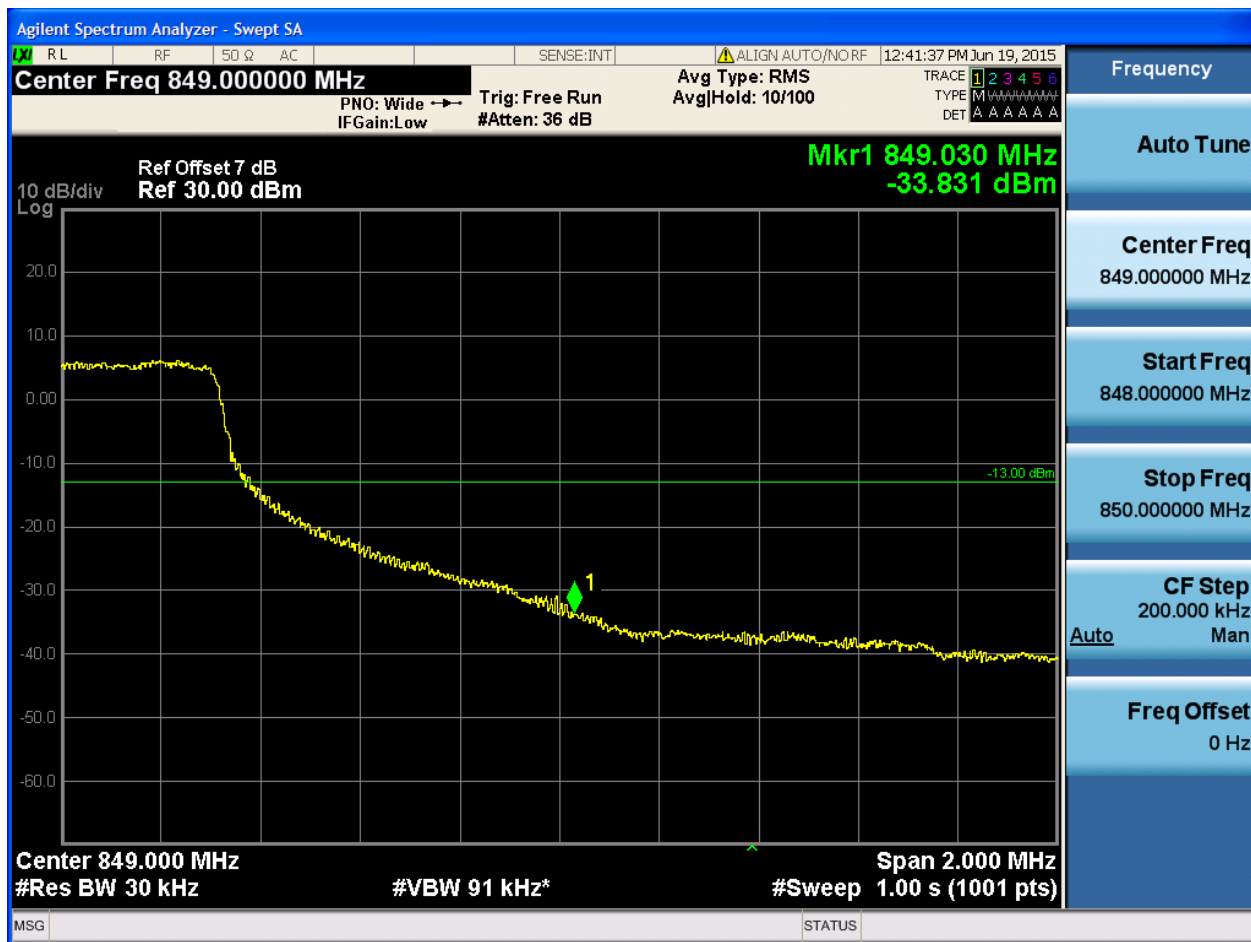


5.1.2.2.2.2 Test RB = RB1#14





5.1.2.2.2.3 Test RB = RB8#4





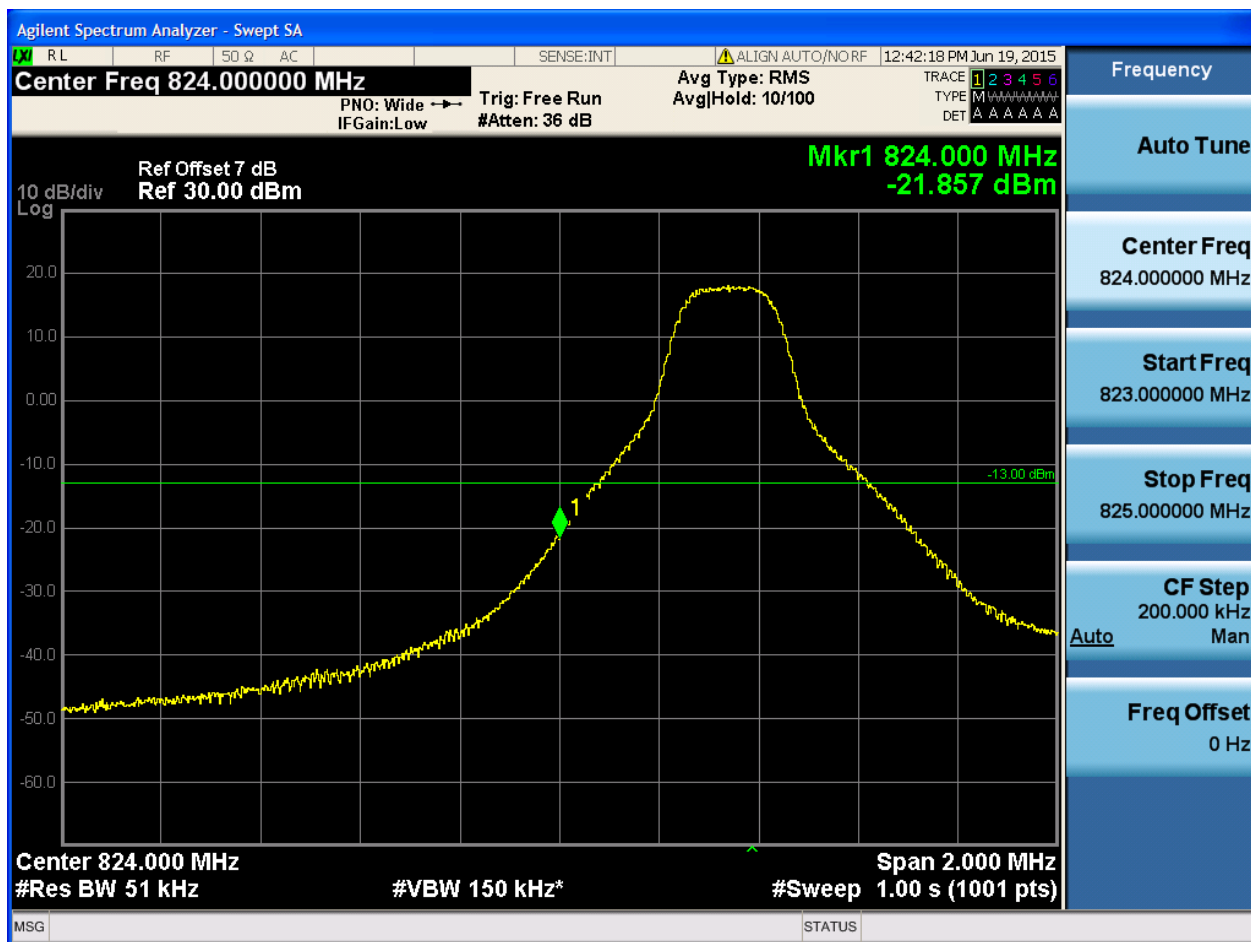
5.1.2.2.2.4 Test RB = RB15#0



5.1.2.2.3 Test Bandwidth = 5

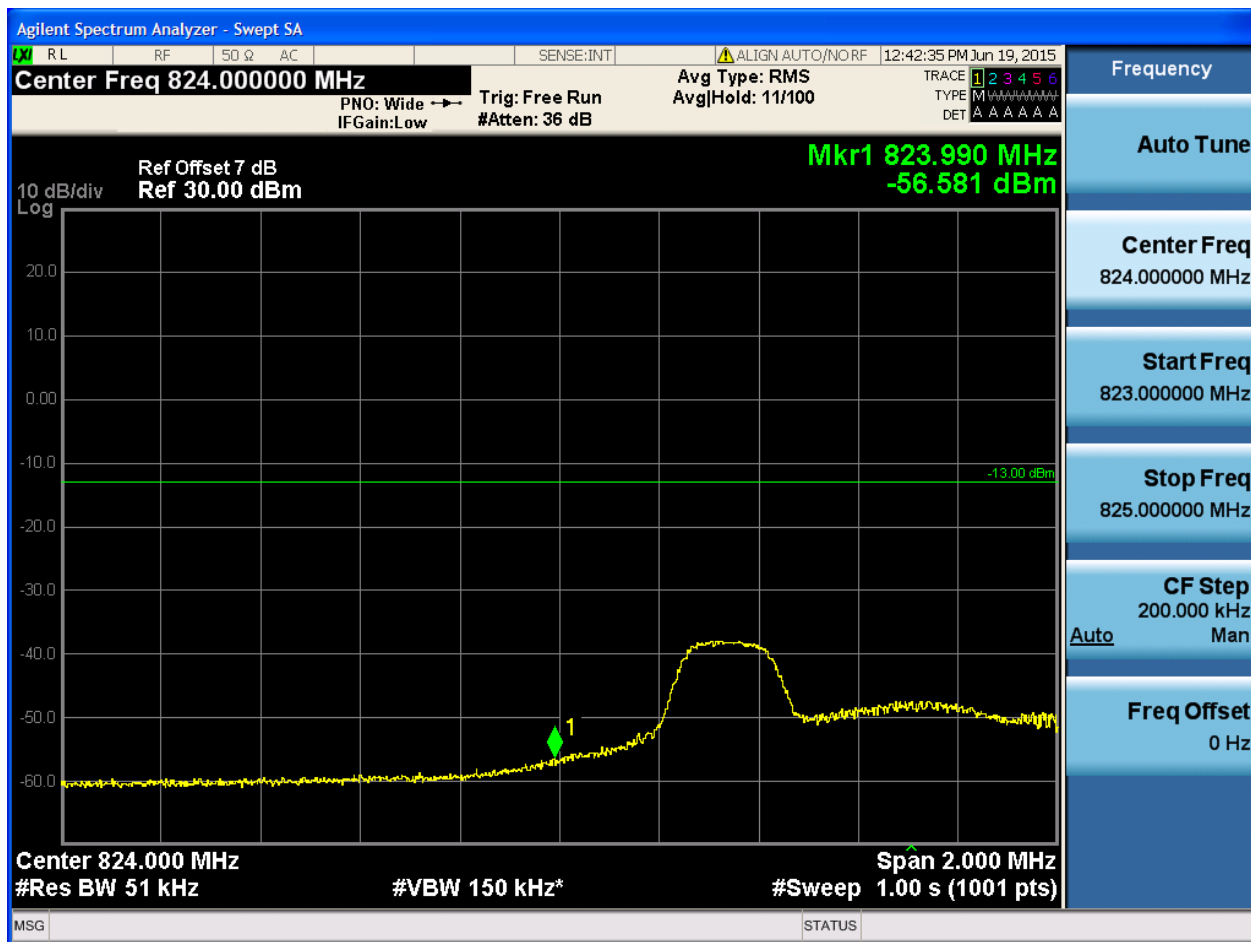
5.1.2.2.3.1 Test Channel = LCH

5.1.2.2.3.1.1 Test RB = RB1#0





5.1.2.2.3.1.2 Test RB = RB1#24



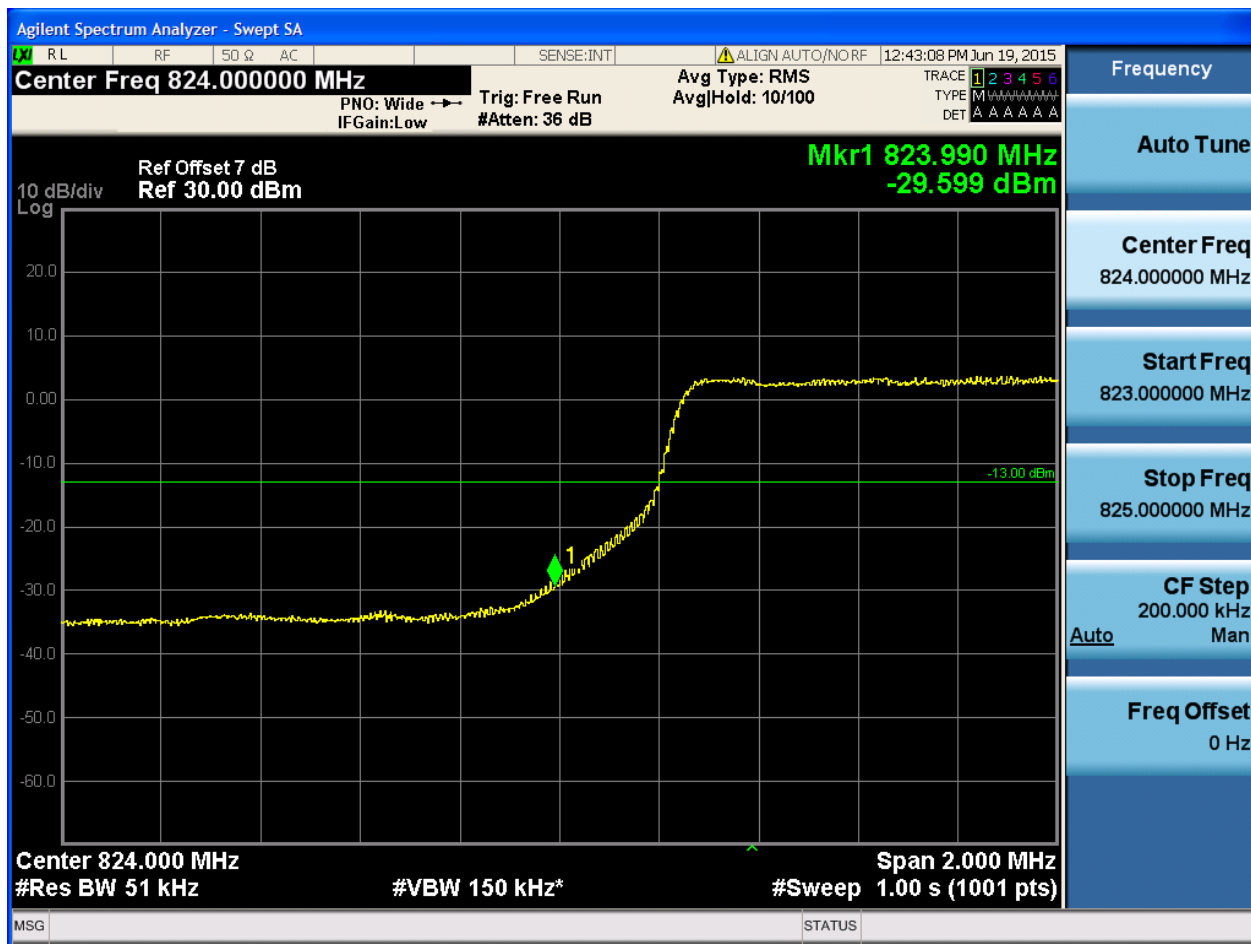


5.1.2.2.3.1.3 Test RB = RB12#6





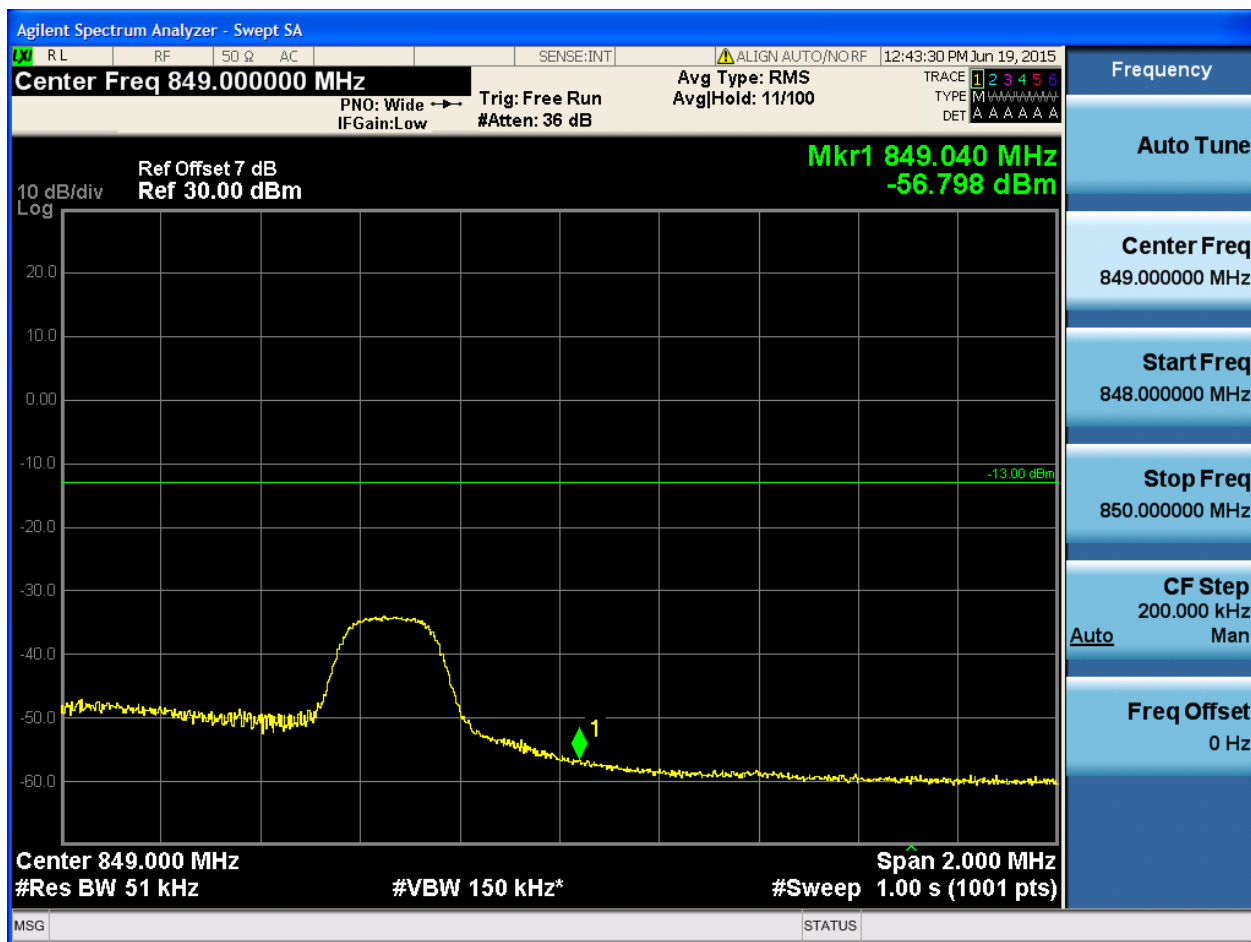
5.1.2.2.3.1.4 Test RB = RB25#0





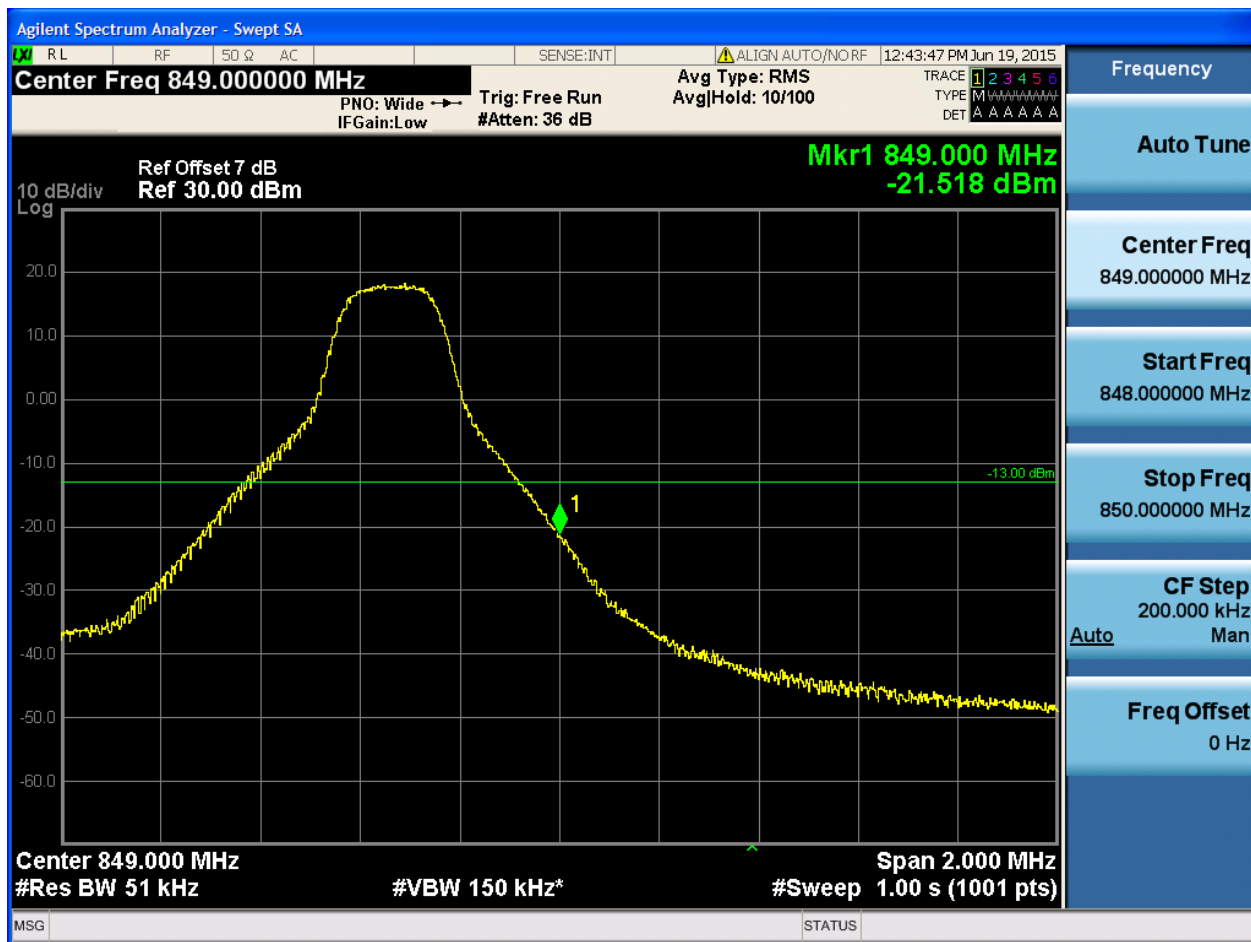
5.1.2.2.3.2 Test Channel = HCH

5.1.2.2.3.2.1 Test RB = RB1#0





5.1.2.2.3.2.2 Test RB = RB1#24





5.1.2.2.3.2.3 Test RB = RB12#6





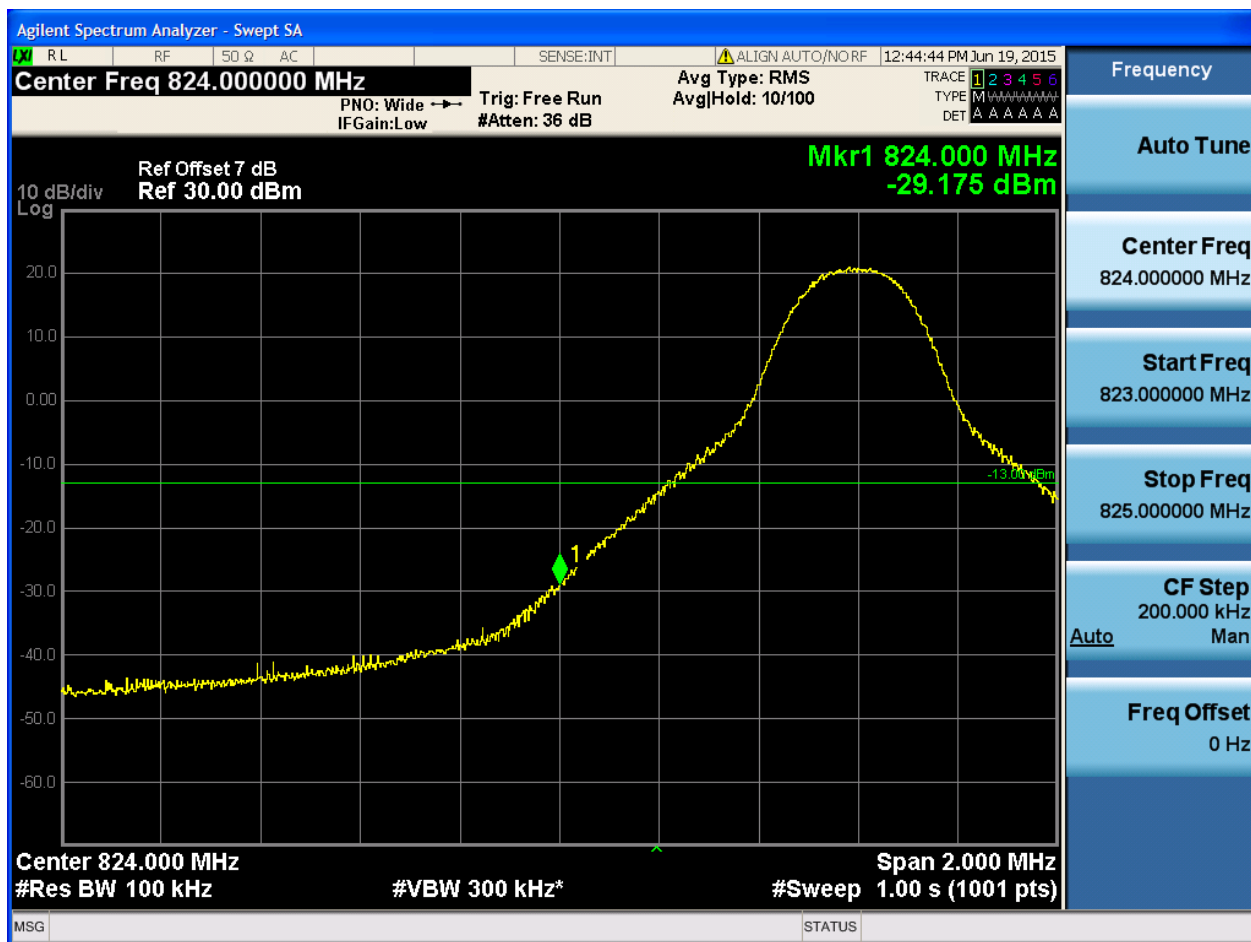
5.1.2.2.3.2.4 Test RB = RB25#0



5.1.2.2.4 Test Bandwidth = 10

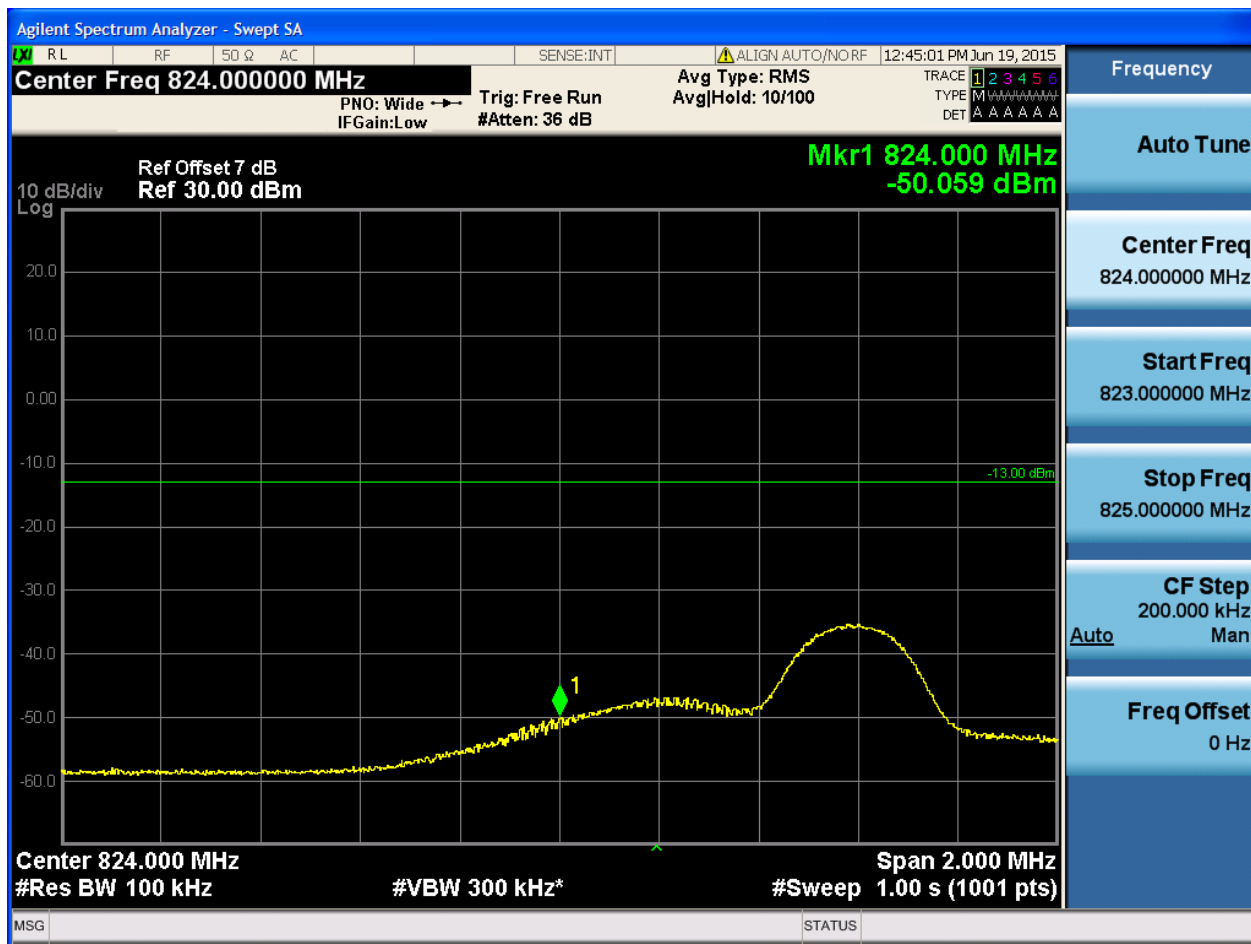
5.1.2.2.4.1 Test Channel = LCH

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





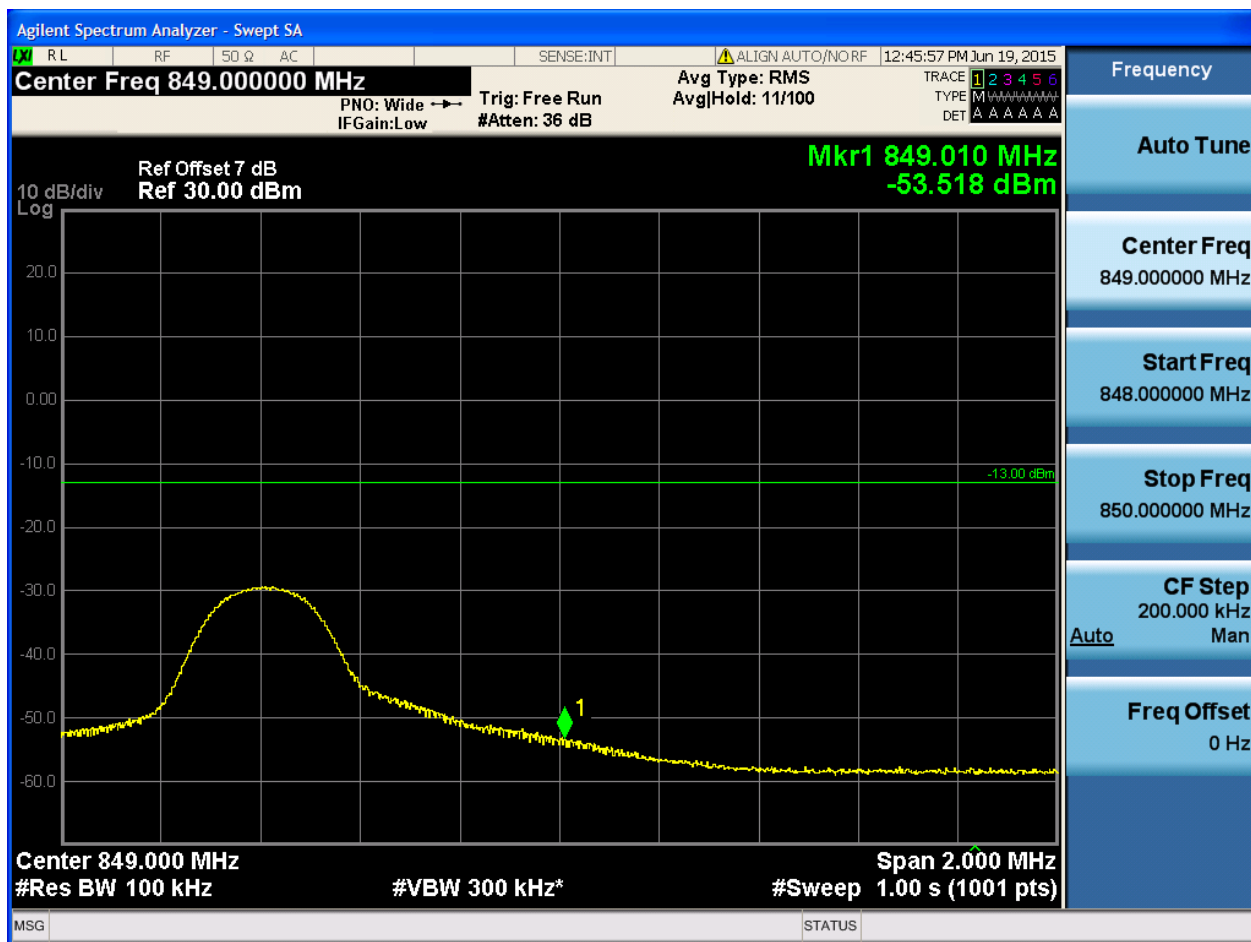
5.1.2.2.4.1.4 Test RB = RB50#0





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 849.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.000 MHz
-28.846 dBm

Center 849.000 MHz
#Res BW 100 kHz
#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

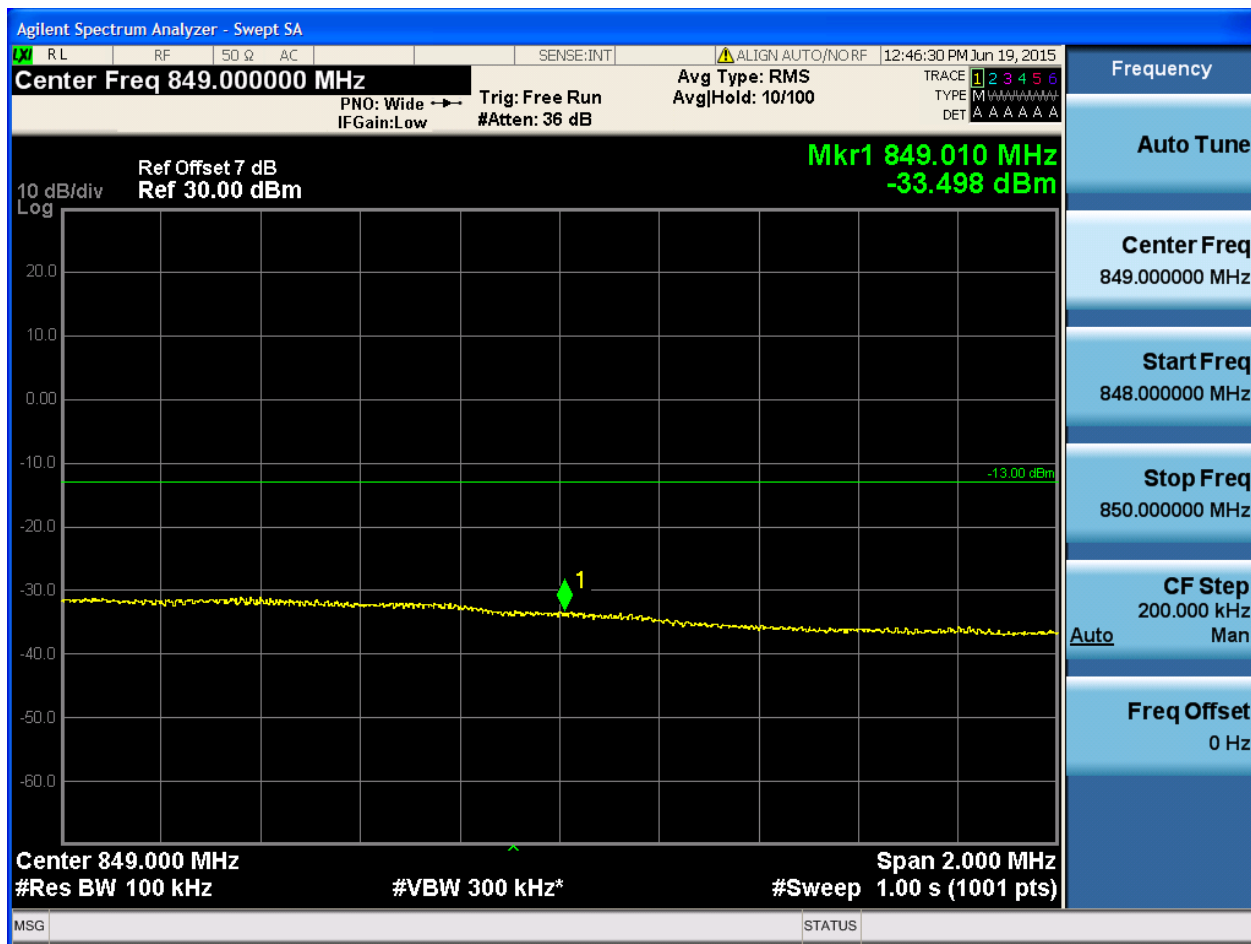
Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz

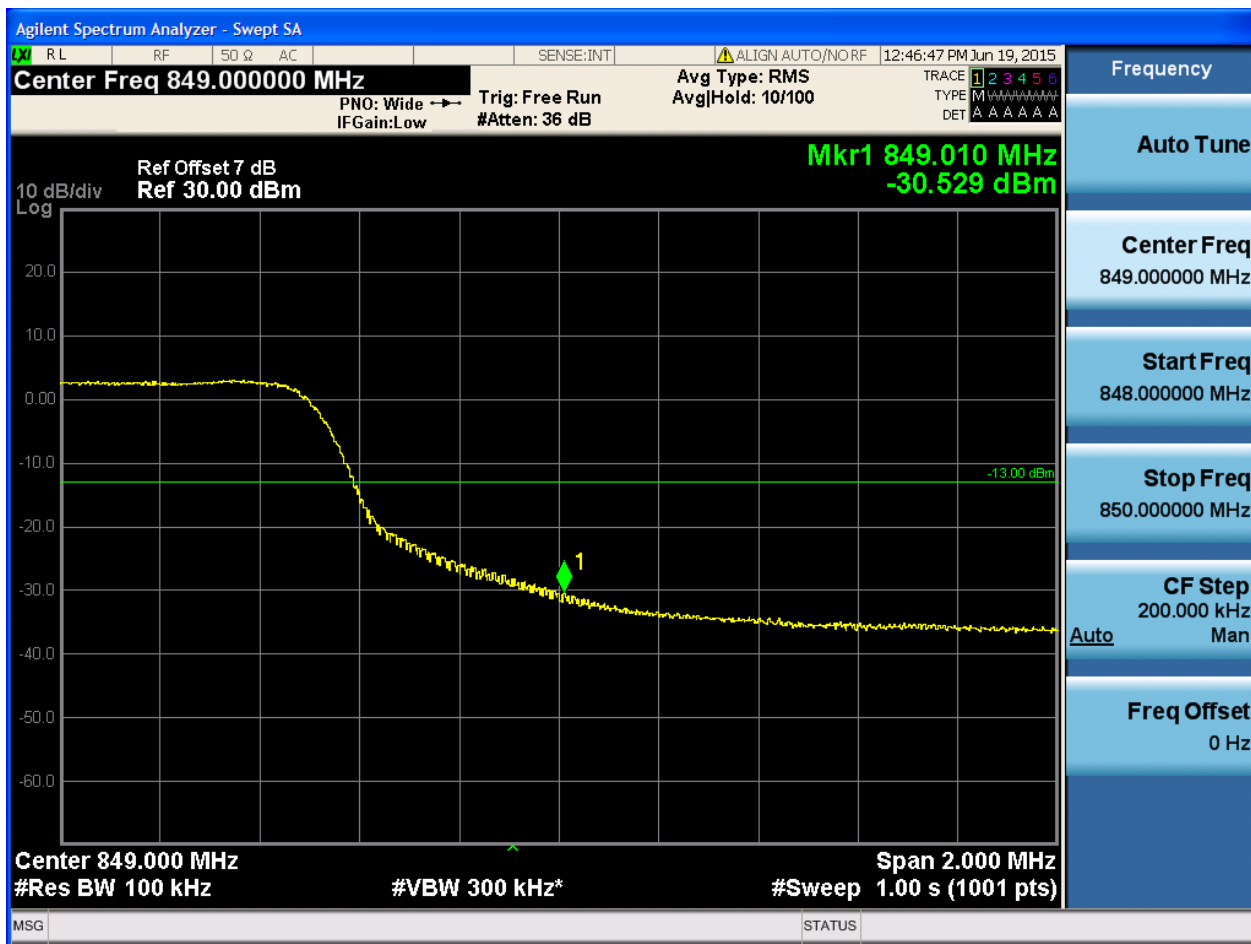


5.1.2.2.4.2.3 Test RB = RB25#13





5.1.2.2.4.2.4 Test RB = RB50#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

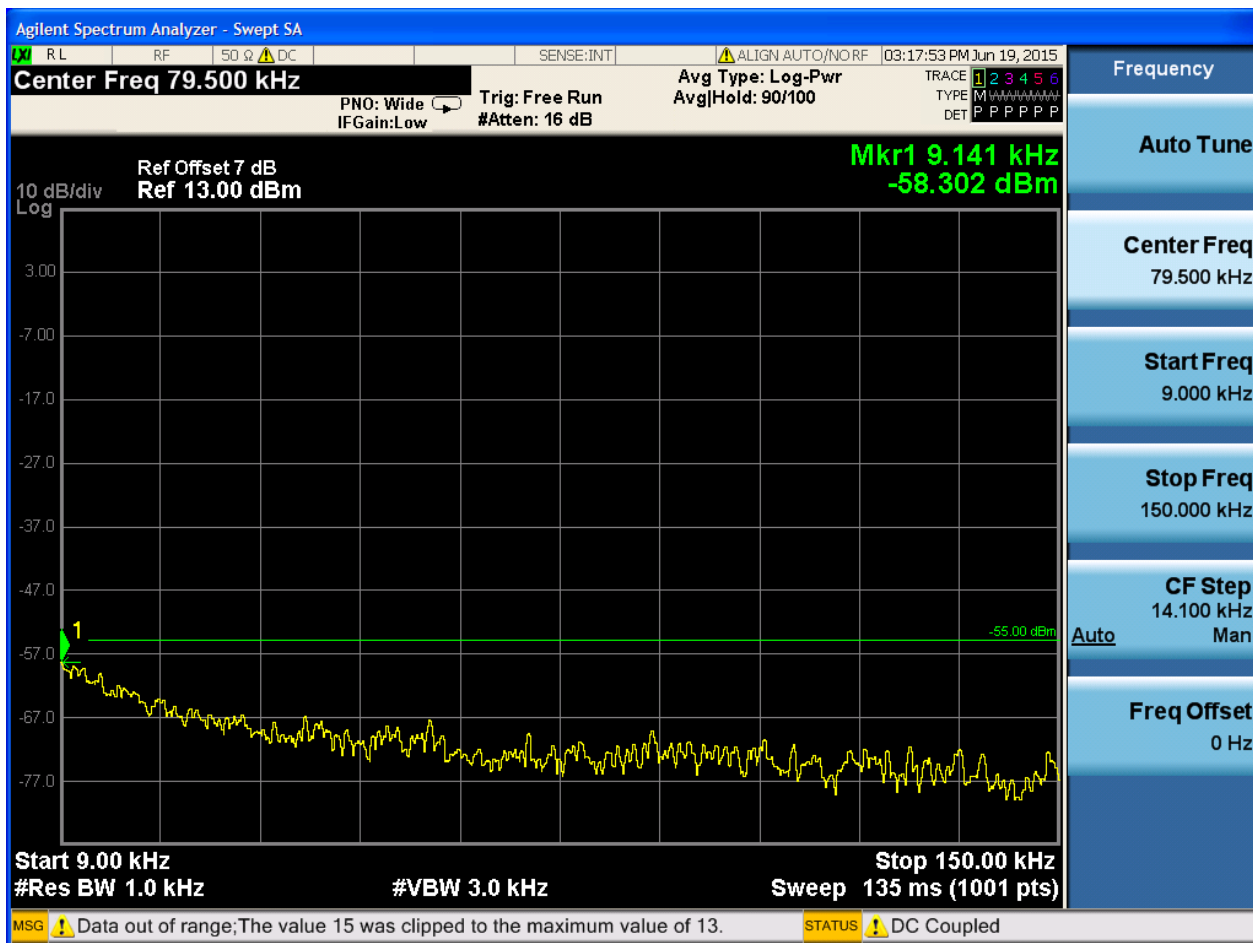
6.1.1 Test Band = BAND38

6.1.1.1 Test Mode = LTE/TM1

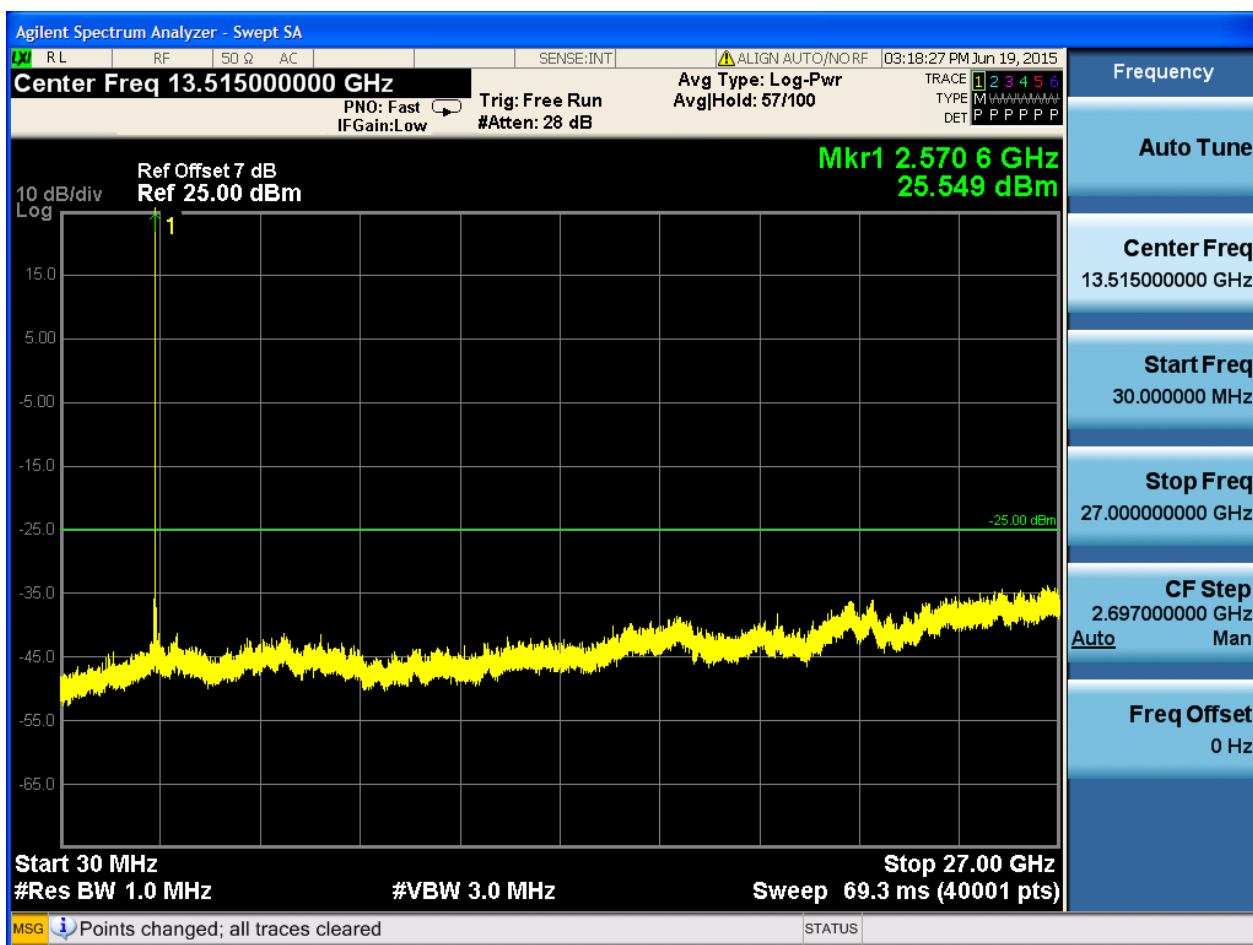
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



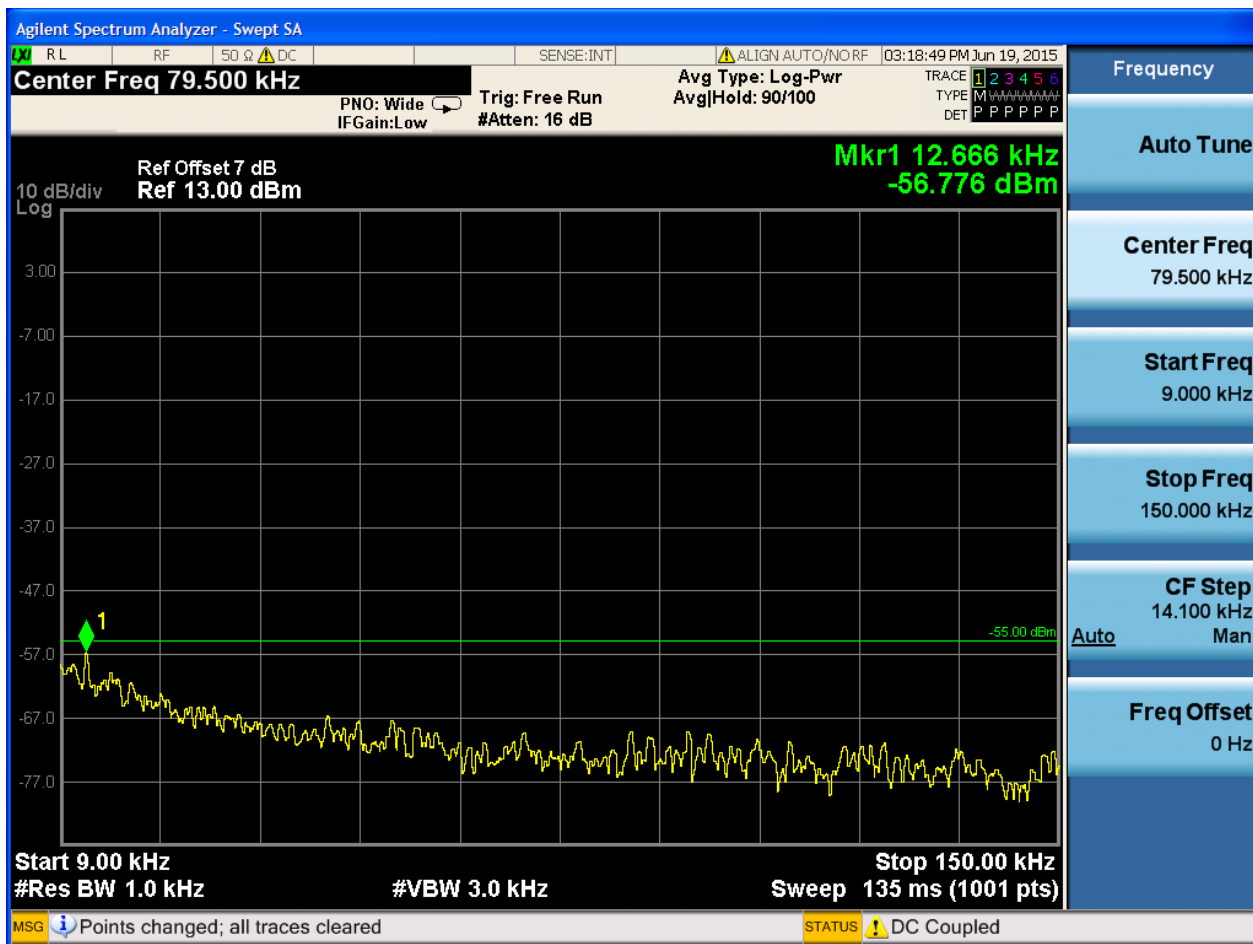




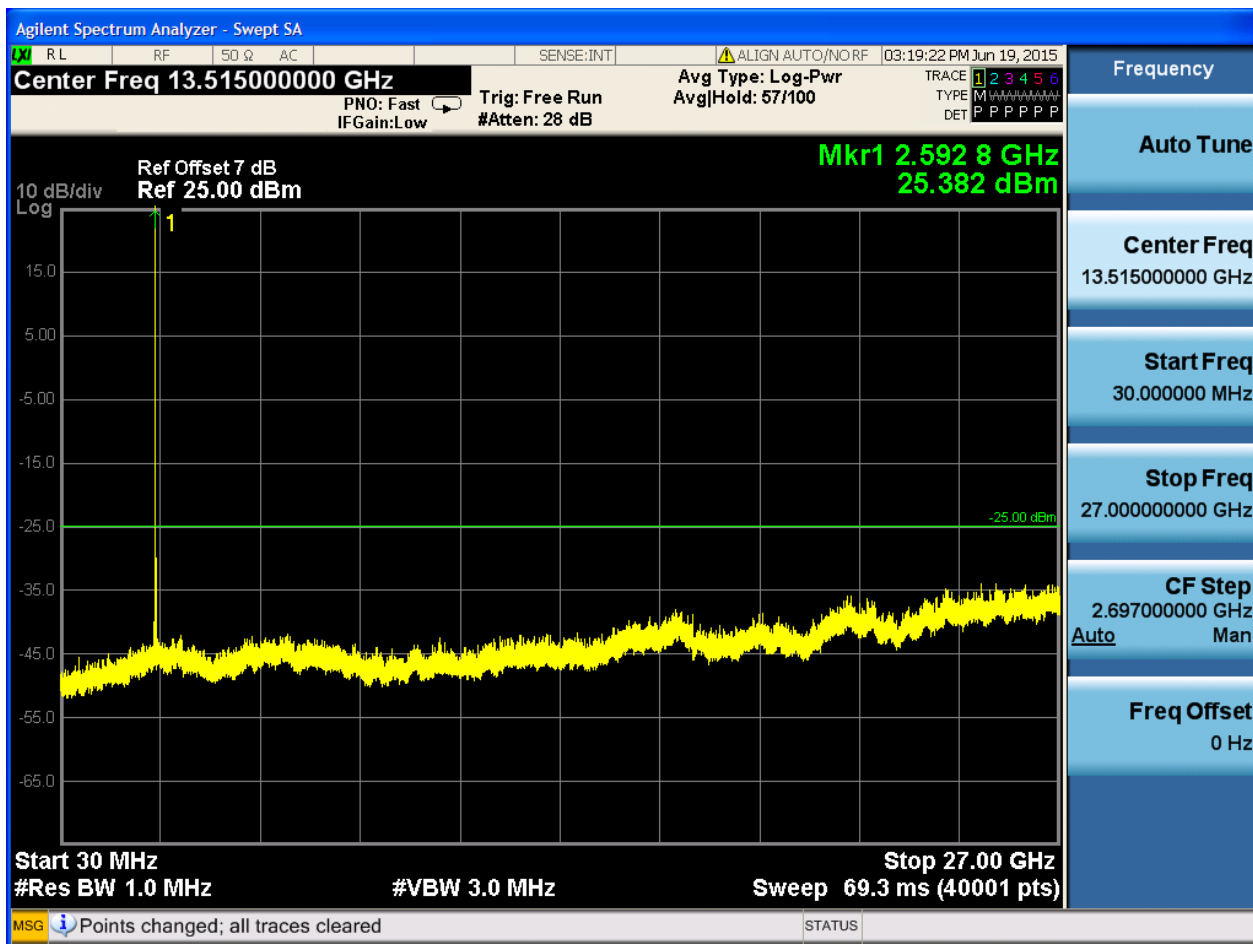


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



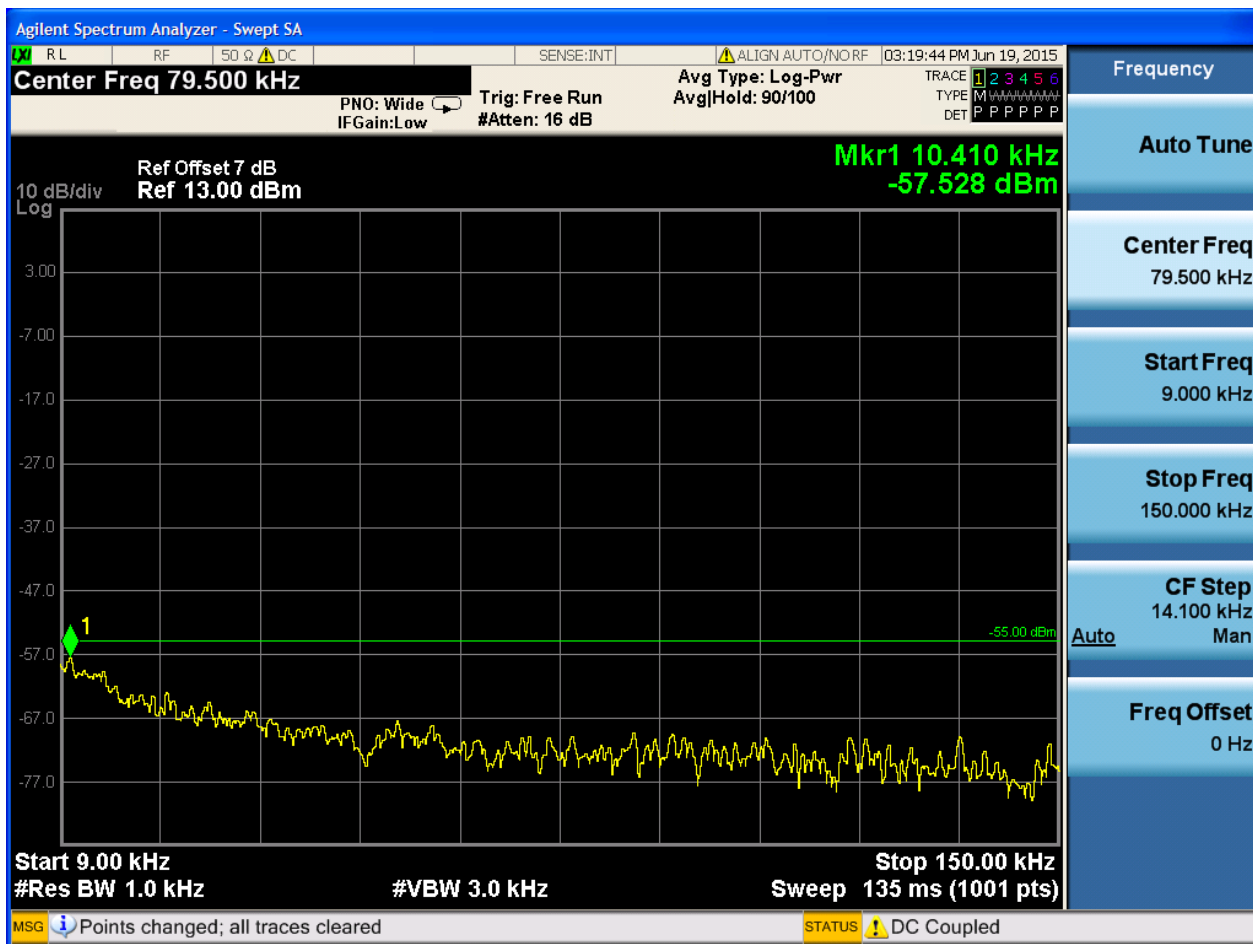




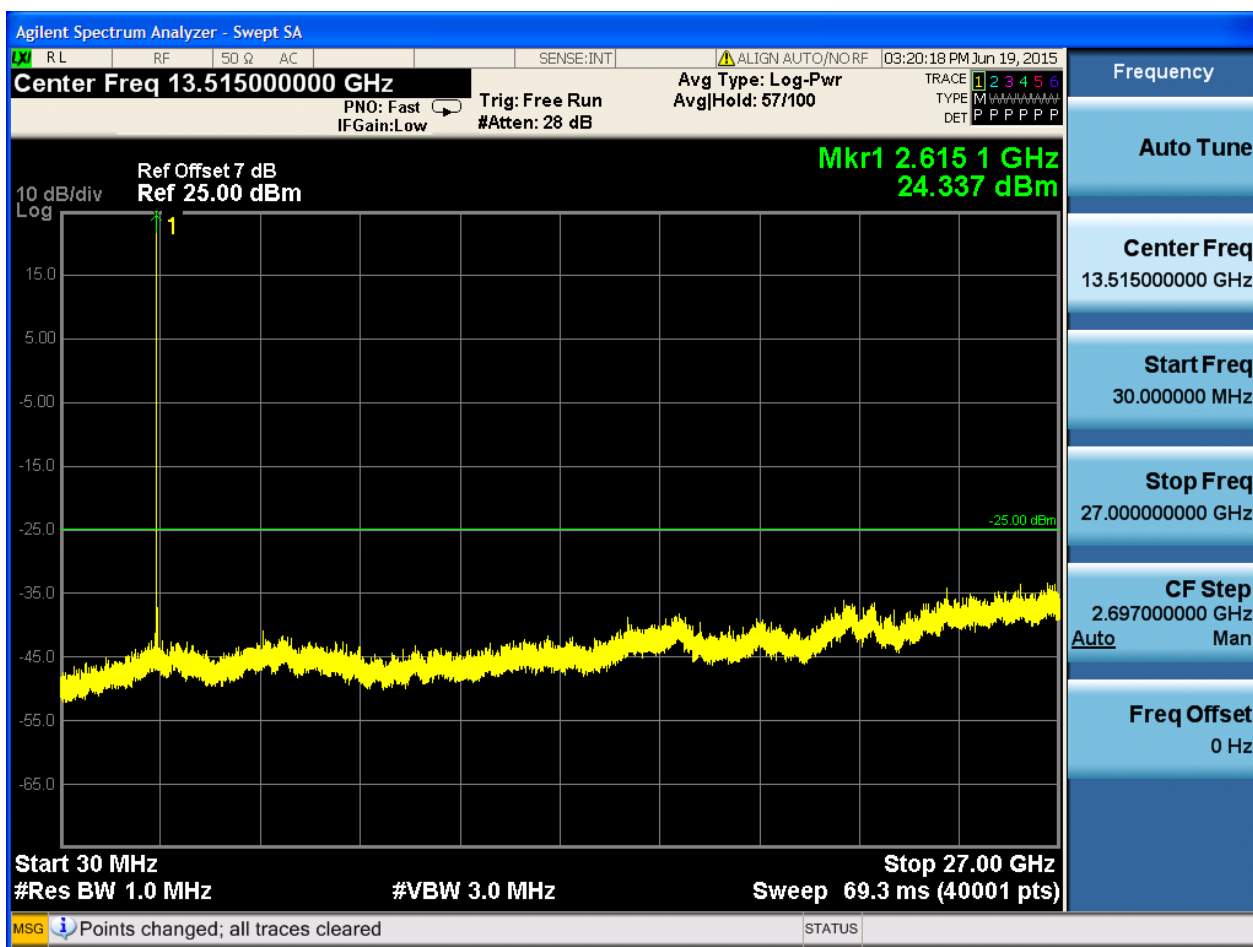


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0



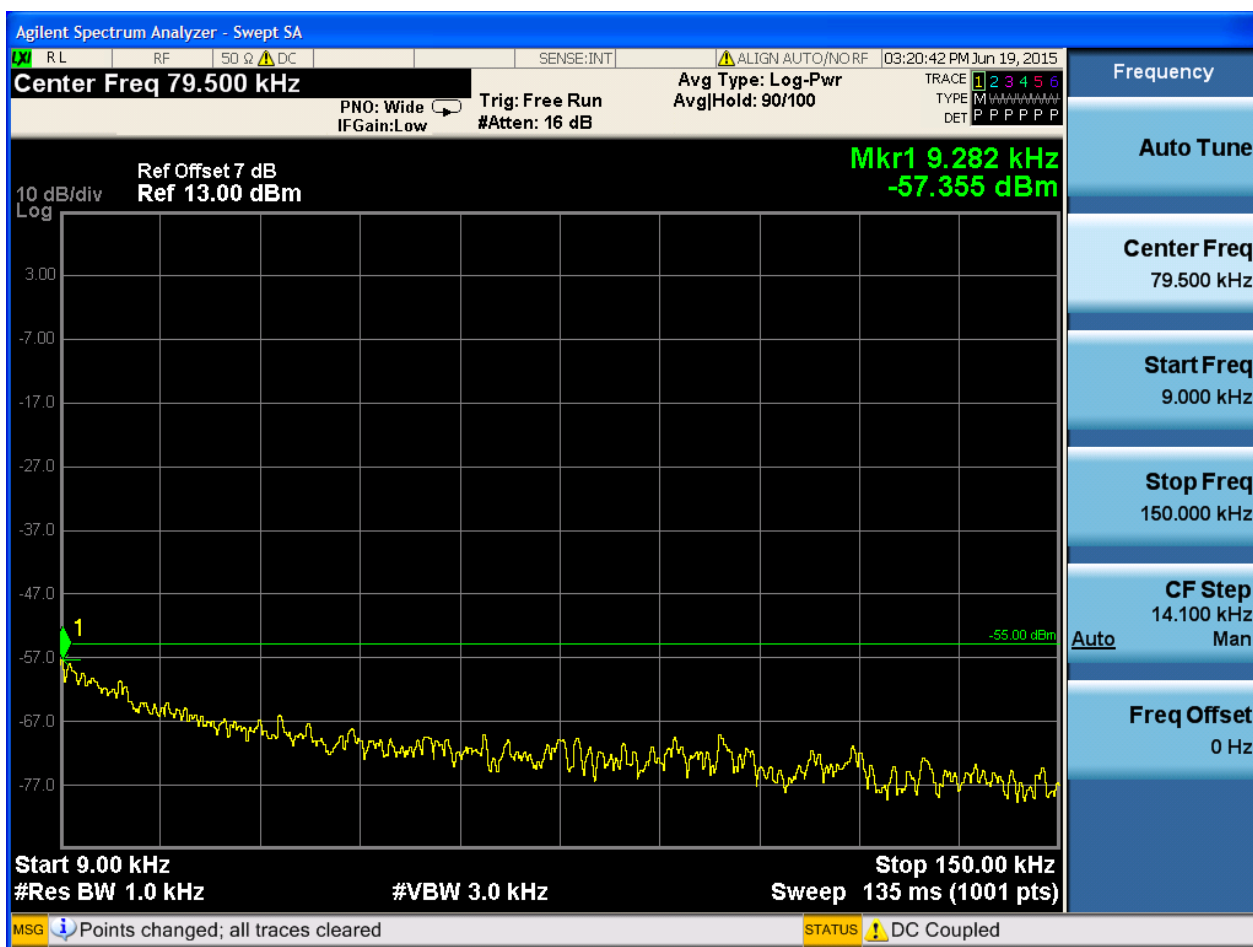


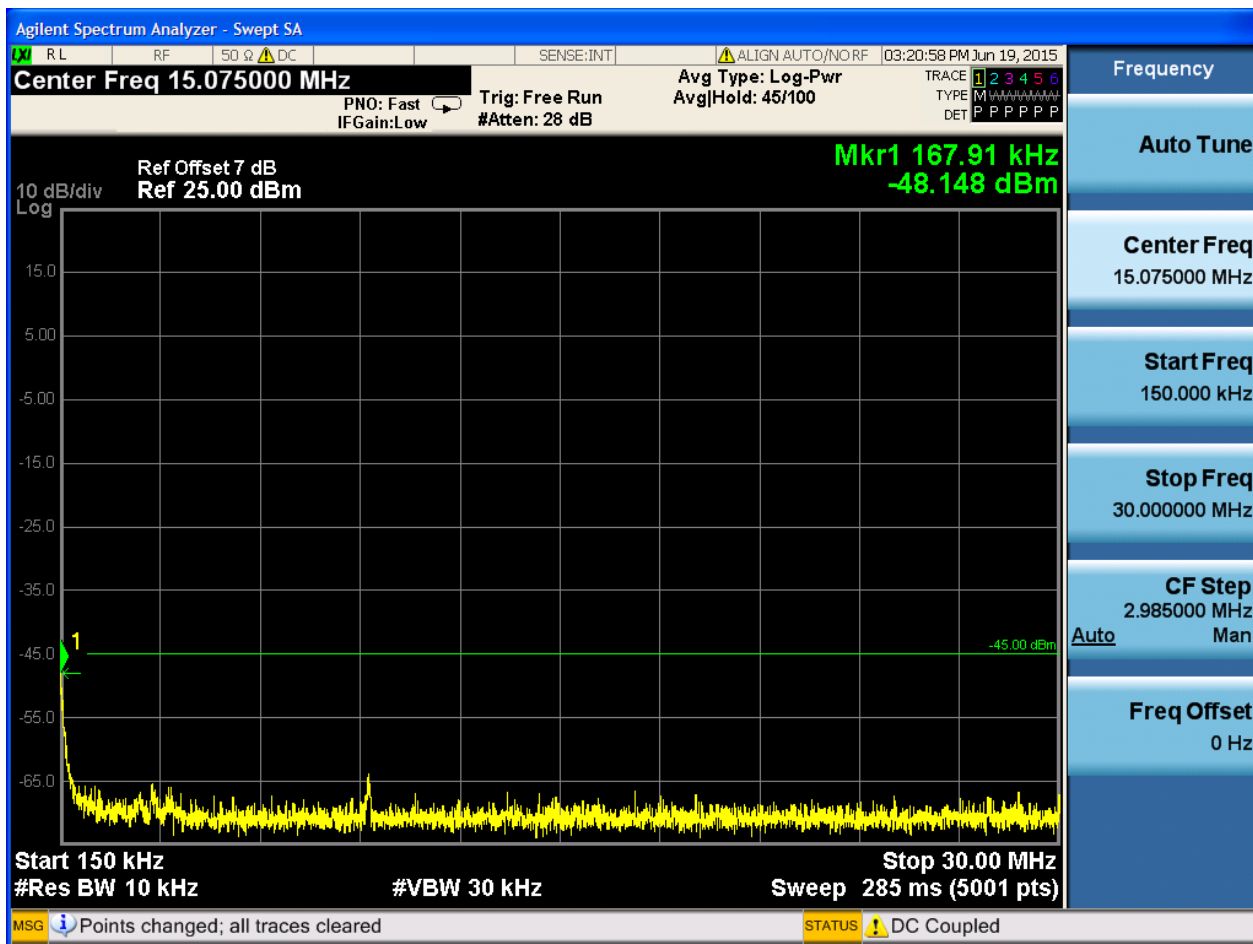


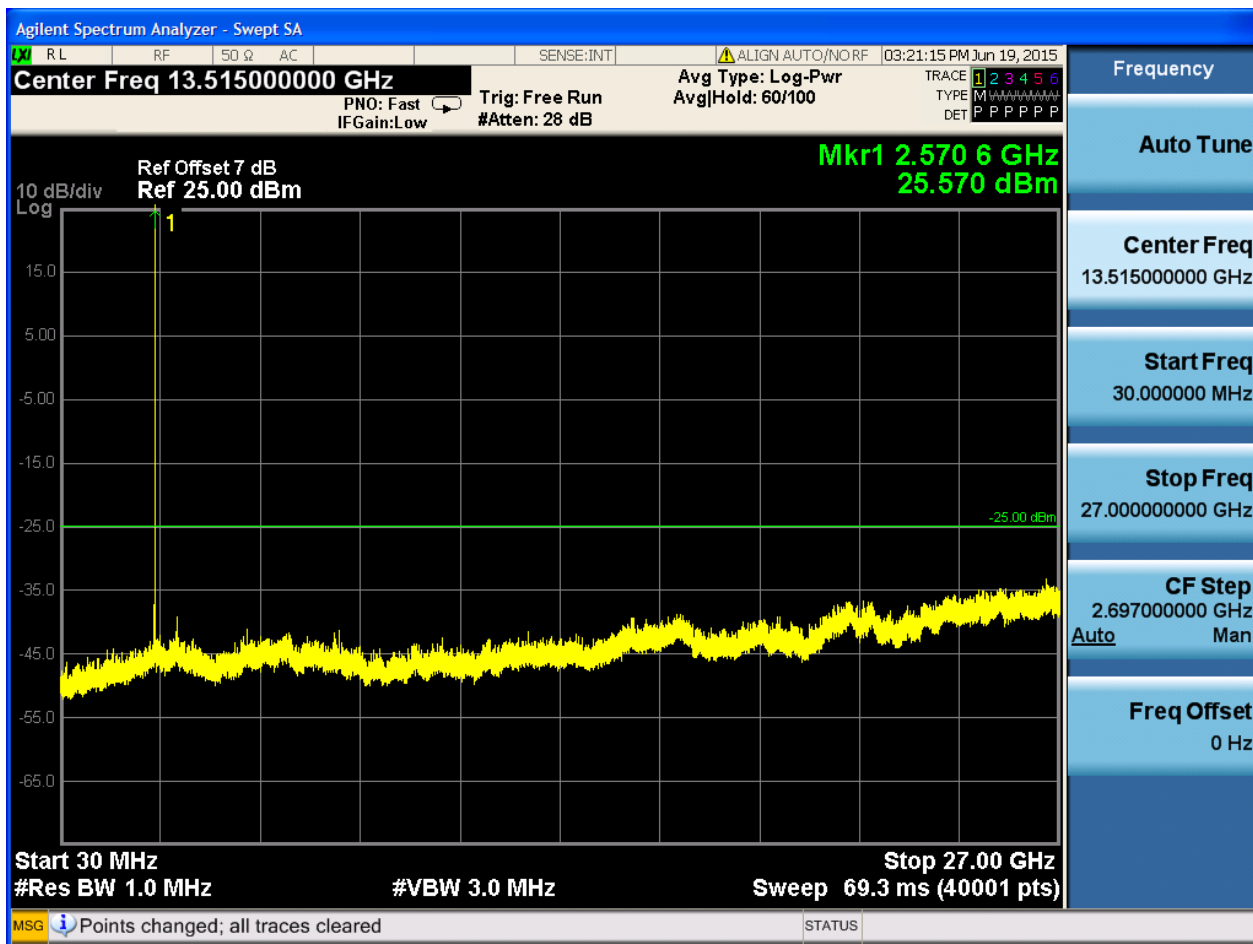
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



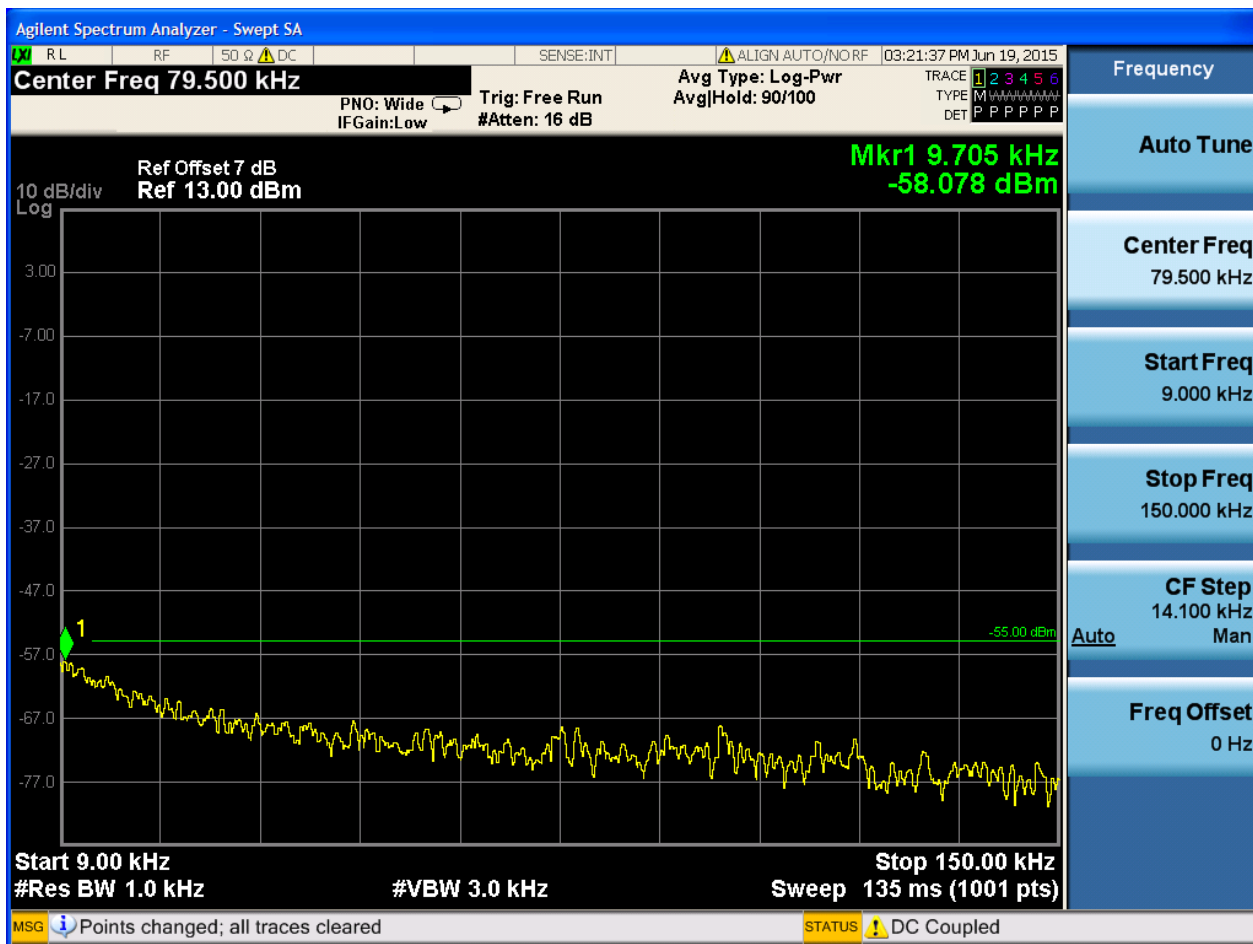


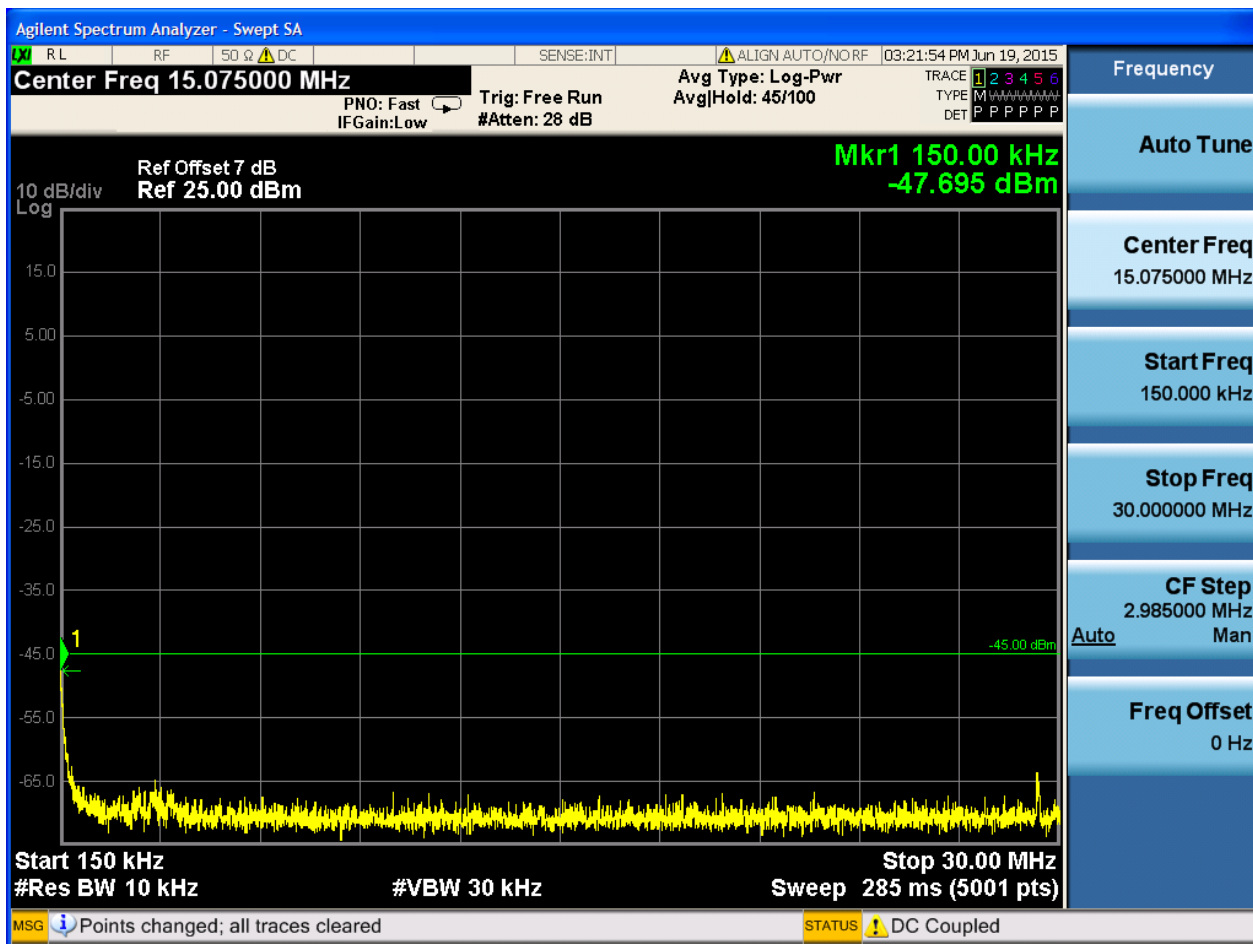


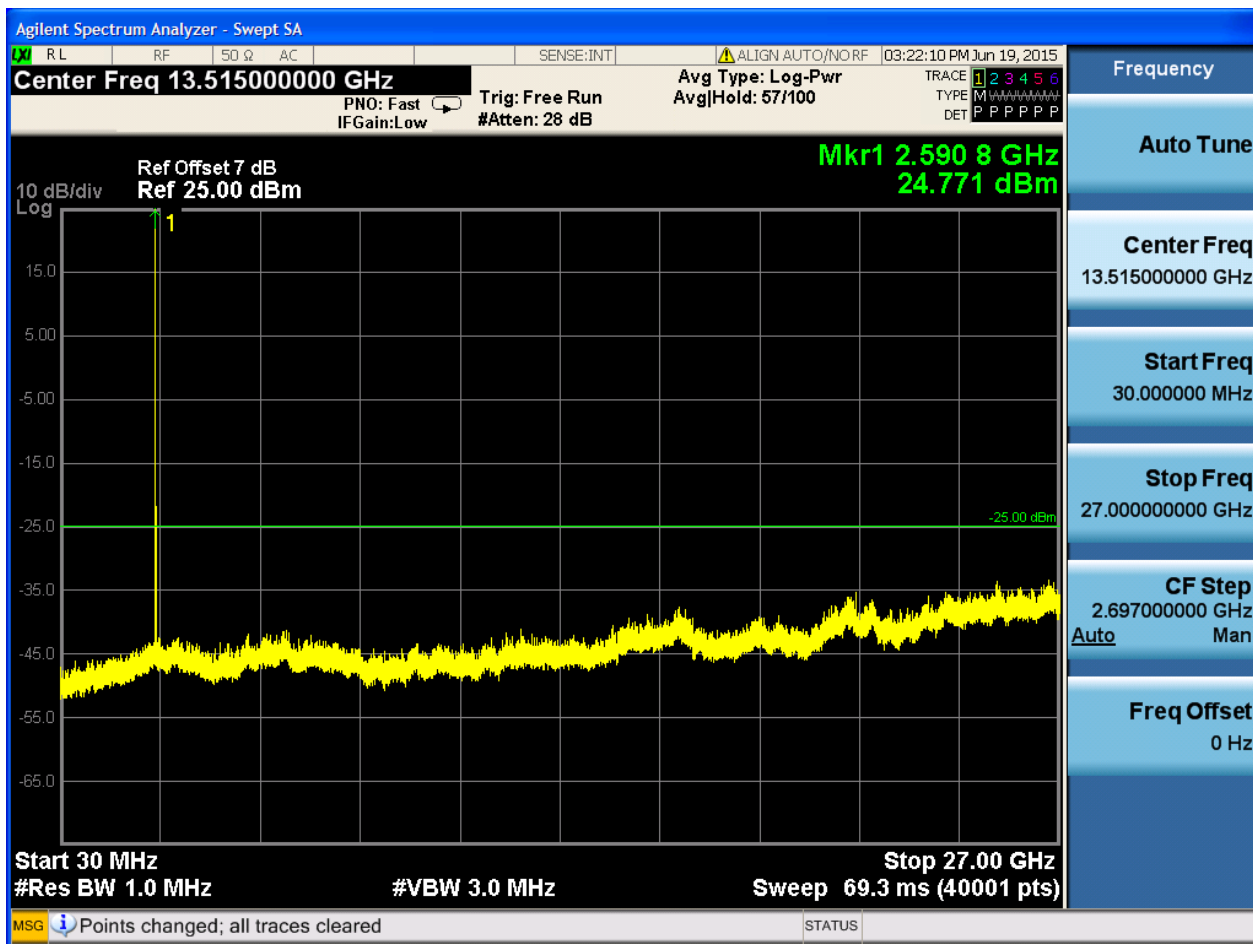


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

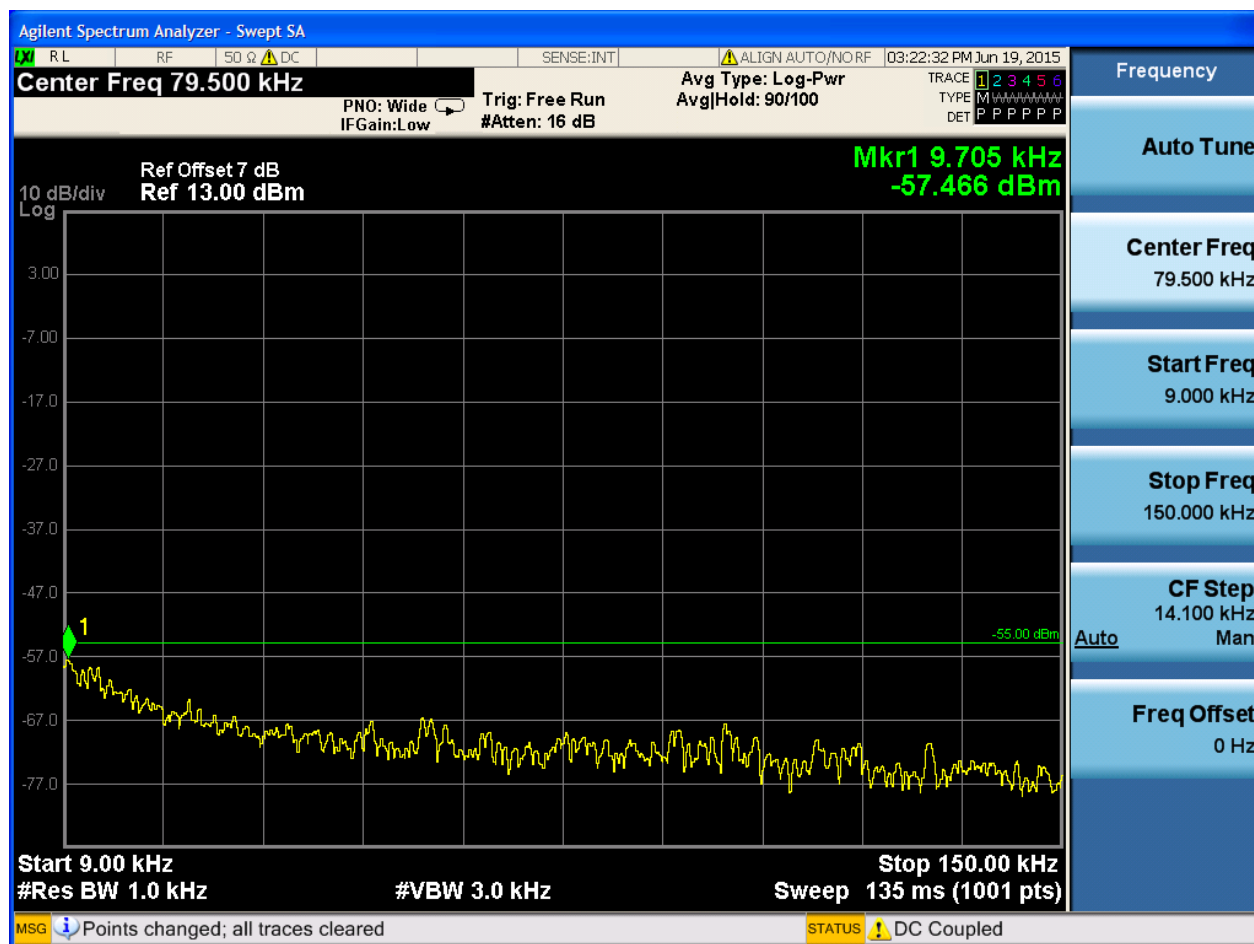


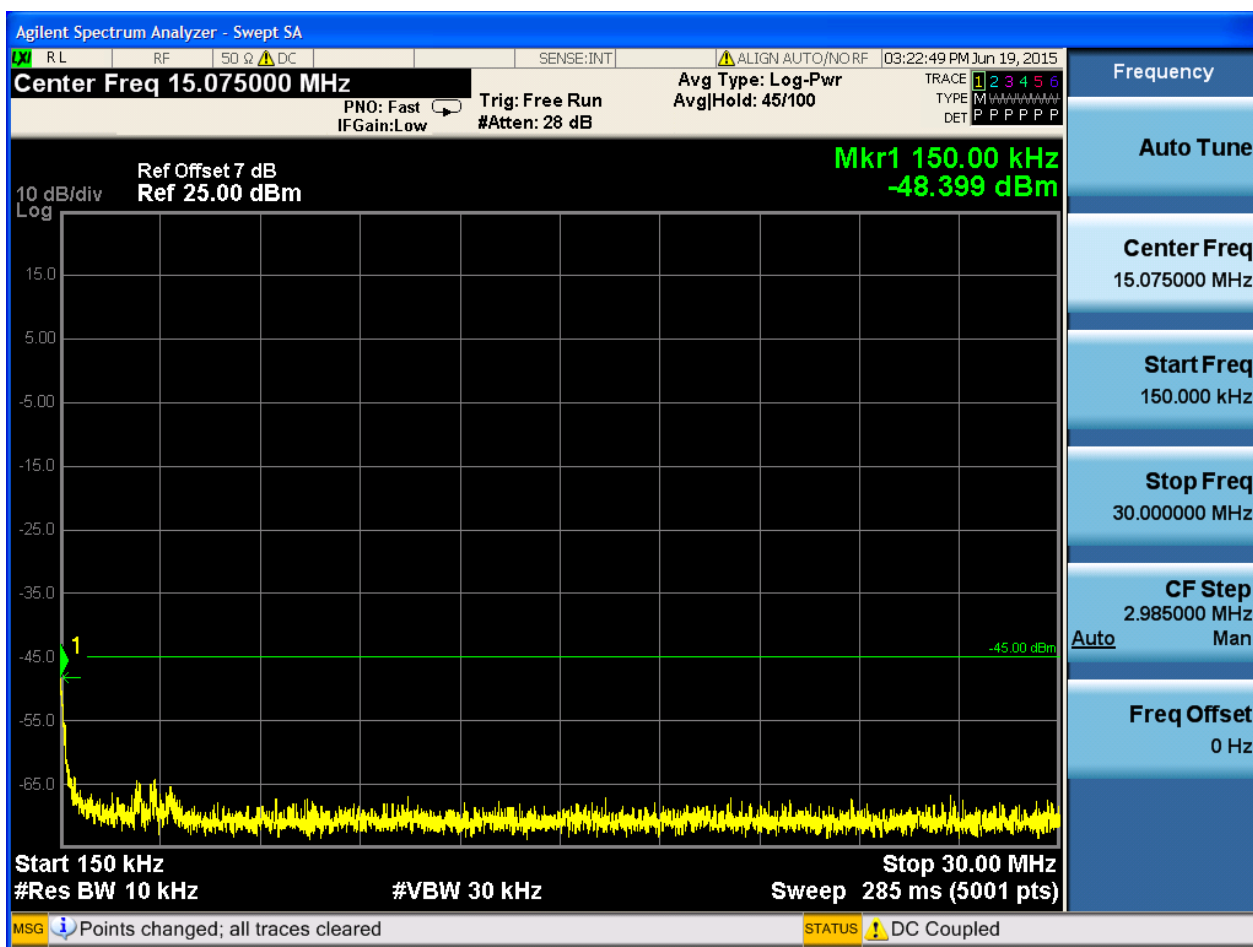


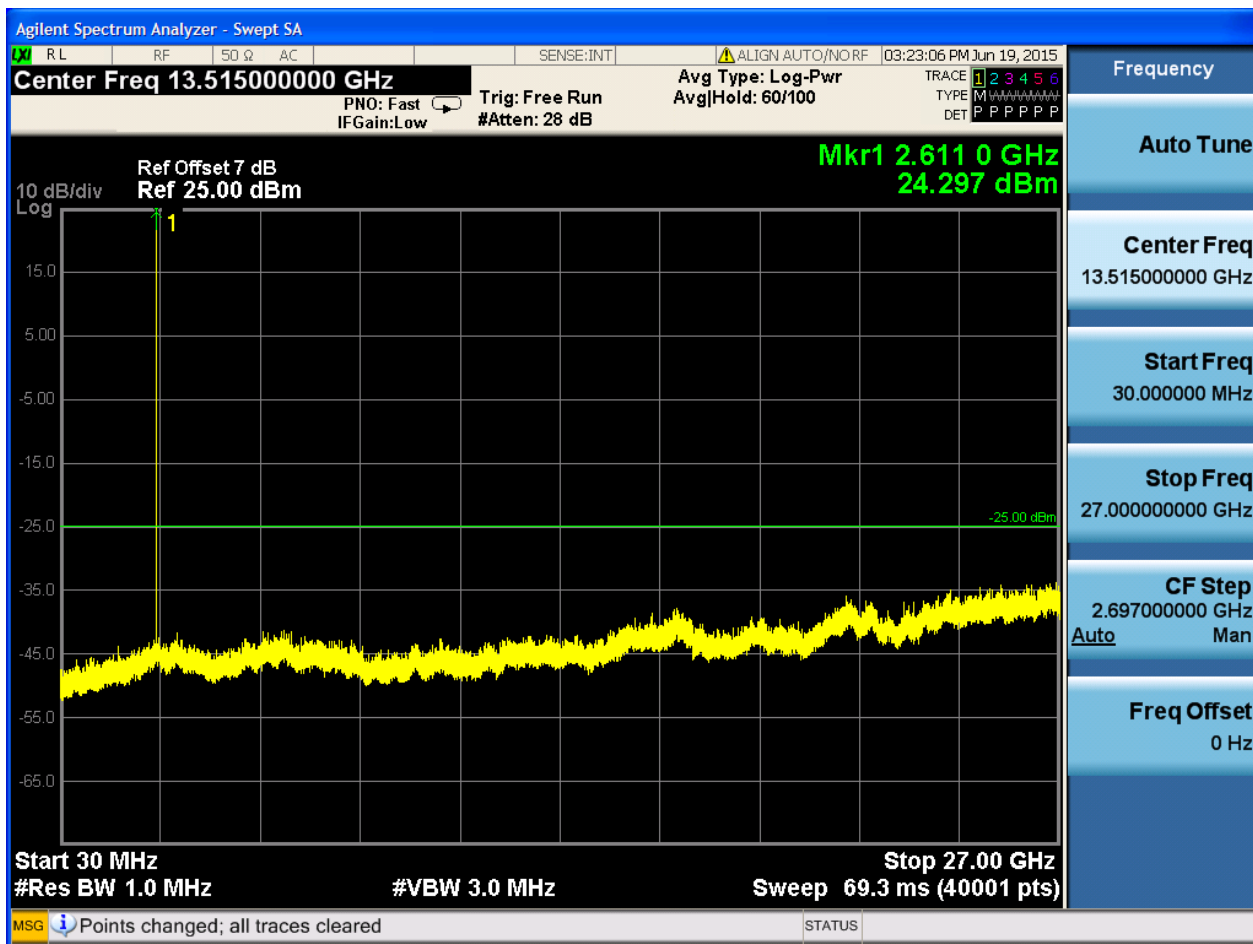


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

