



5.1.3.1.4.2.3 Test RB = RB25#13





5.1.3.1.4.2.4 Test RB = RB50#0

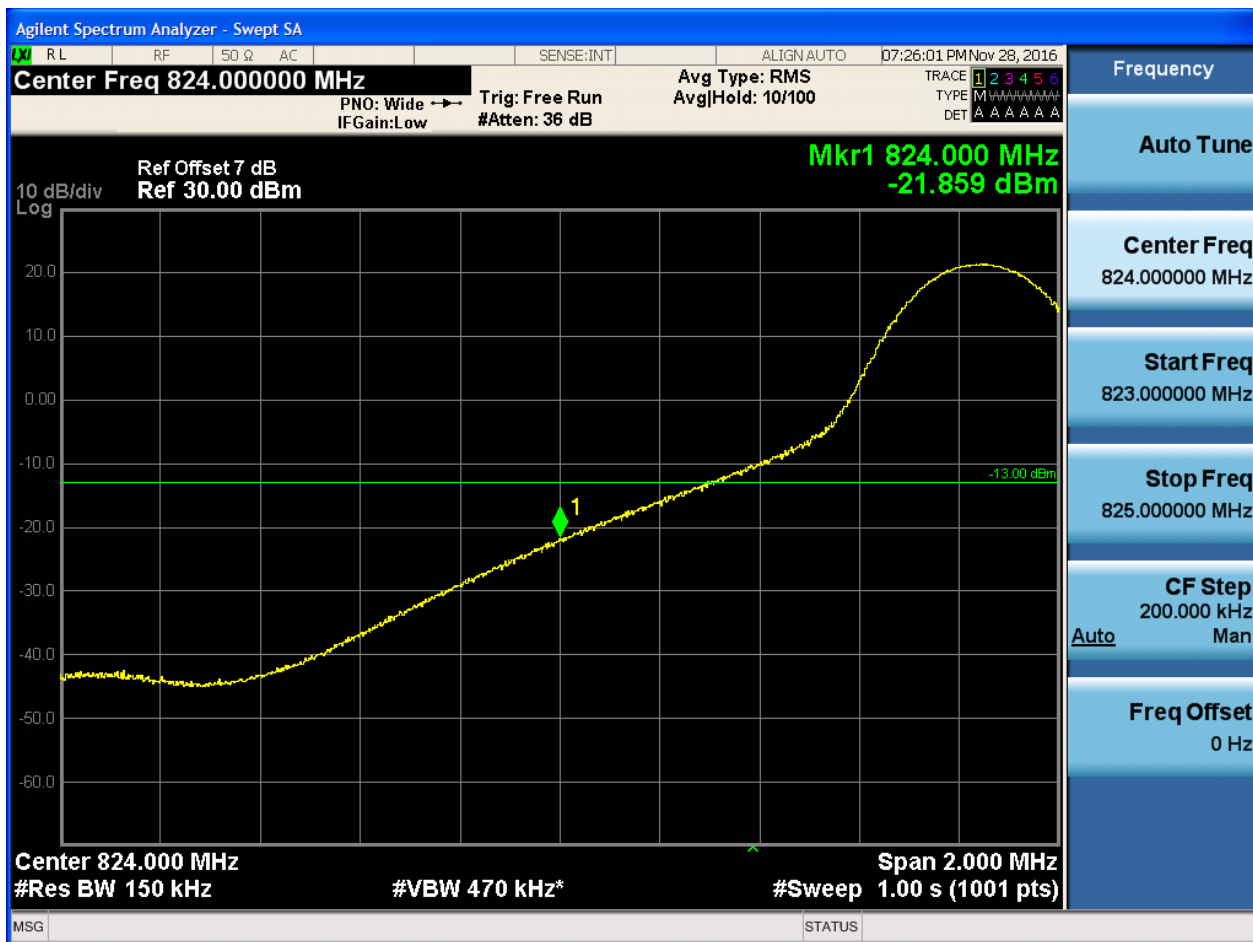




5.1.3.1.5 Test Bandwidth = 15

5.1.3.1.5.1 Test Channel = LCH

5.1.3.1.5.1.1 Test RB = RB1#0





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
-41.487 dBm

Center 824.000 MHz
#Res BW 150 kHz
#VBW 470 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
824.000000 MHz

Start Freq
823.000000 MHz

Stop Freq
825.000000 MHz

CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN:AUTO 07:26:35 PM Nov 28, 2016

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 TYPE M
DET A A A A A A

Ref Offset 7 dB Mkr1 824.000 MHz
Ref 30.00 dBm -32.880 dBm

10 dB/div Log

-13.00 dBm

1

Center 824.000 MHz Span 2.000 MHz
#Res BW 150 kHz #VBW 470 kHz* #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



5.1.3.1.5.1.4 Test RB = RB75#0





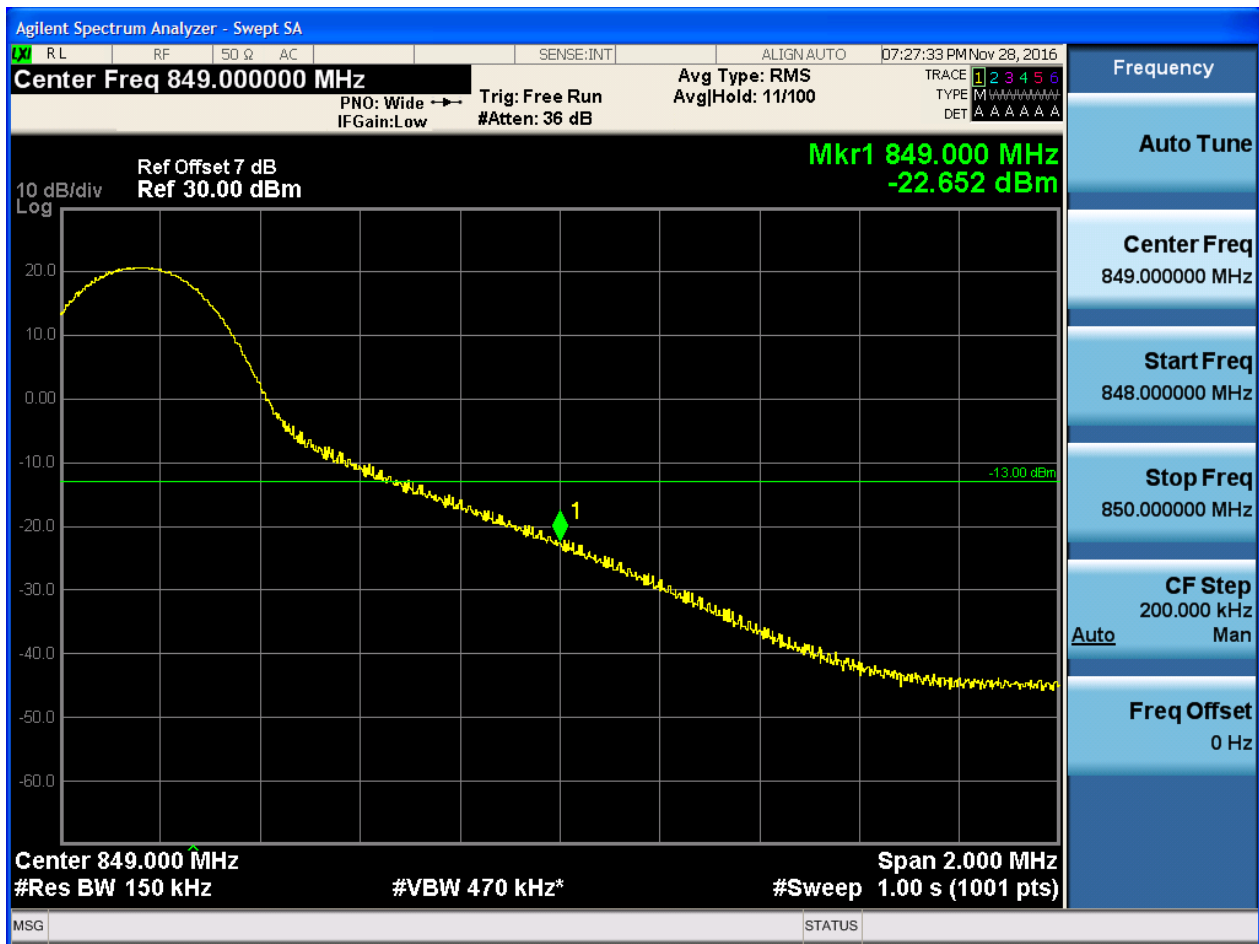
5.1.3.1.5.2 Test Channel = HCH

5.1.3.1.5.2.1 Test RB = RB1#0





5.1.3.1.5.2.2 Test RB = RB1#74





5.1.3.1.5.2.3 Test RB = RB38#19





5.1.3.1.5.2.4 Test RB = RB75#0



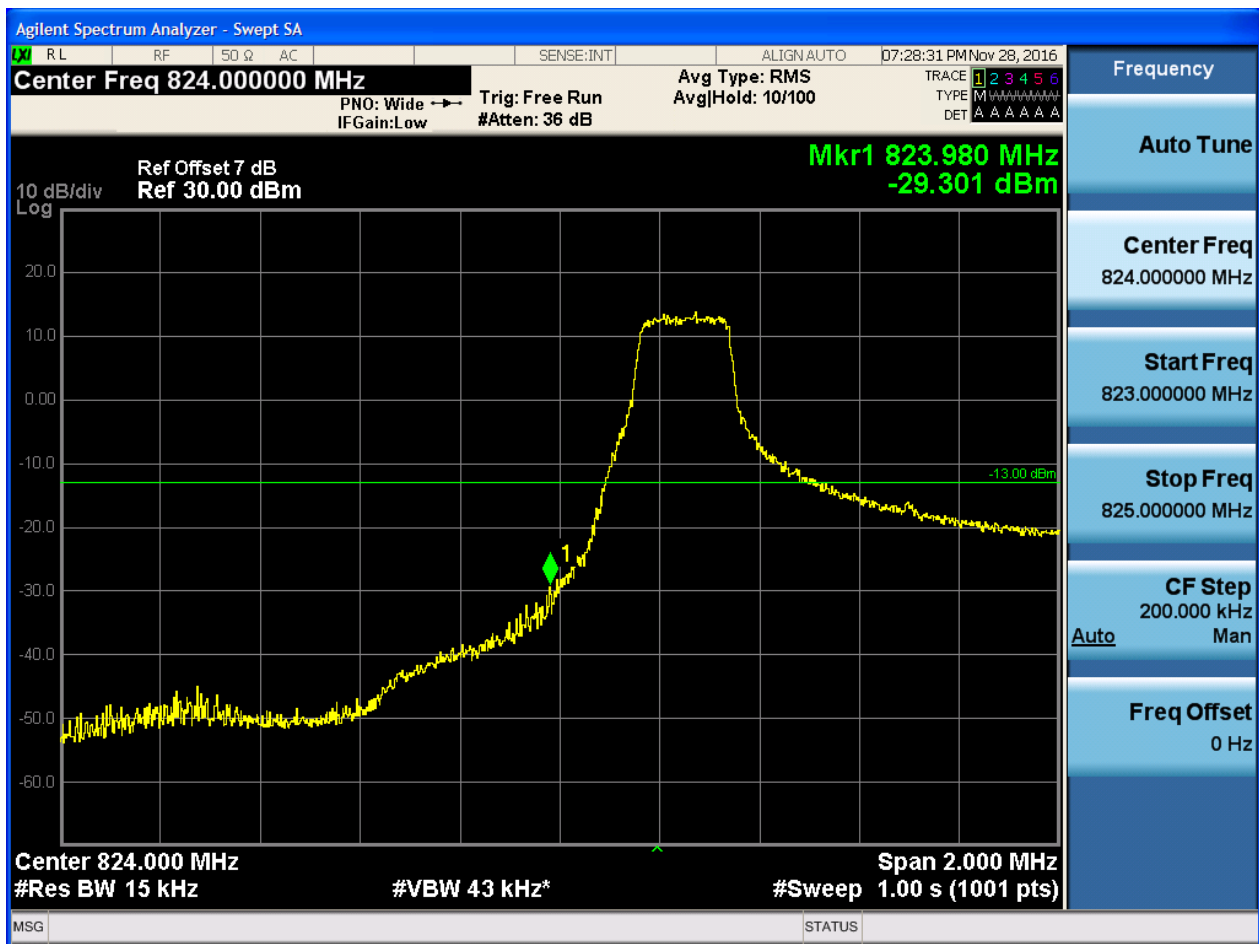


5.1.3.2 Test Mode = LTE/TM2

5.1.3.2.1 Test Bandwidth = 1.4

5.1.3.2.1.1 Test Channel = LCH

5.1.3.2.1.1.1 Test RB = RB1#0



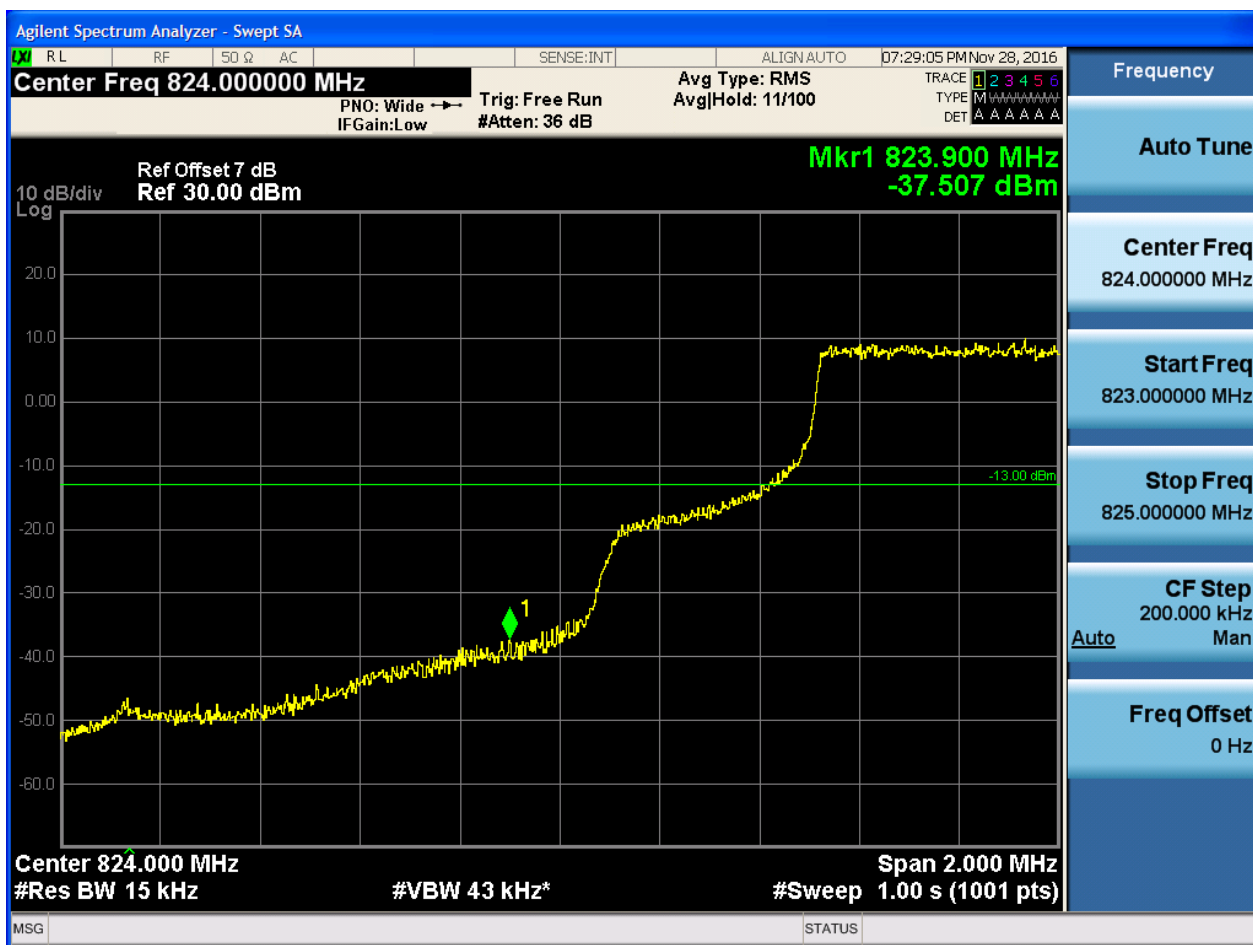


5.1.3.2.1.1.2 Test RB = RB1#5



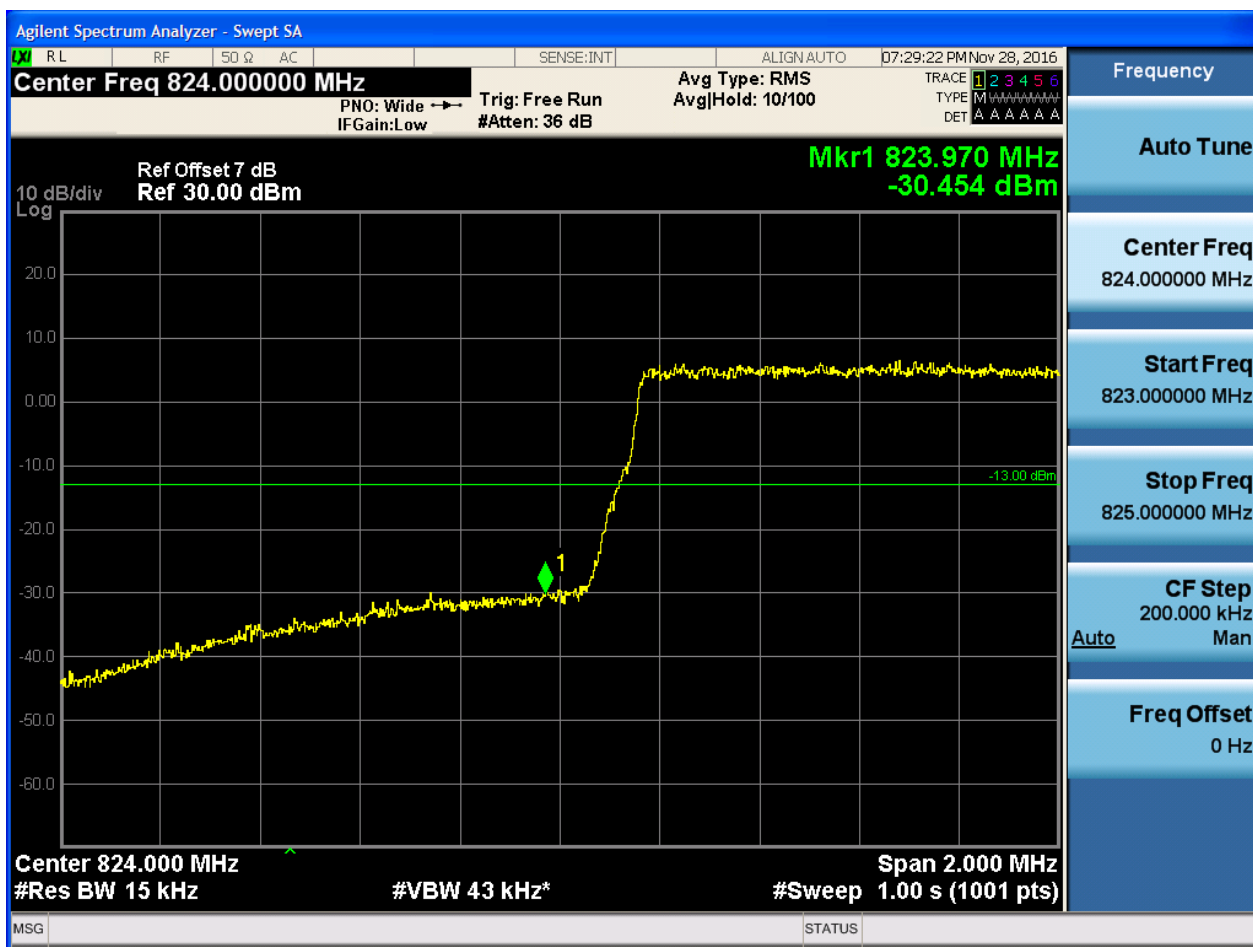


5.1.3.2.1.1.3 Test RB = RB3#2





5.1.3.2.1.1.4 Test RB = RB6#0



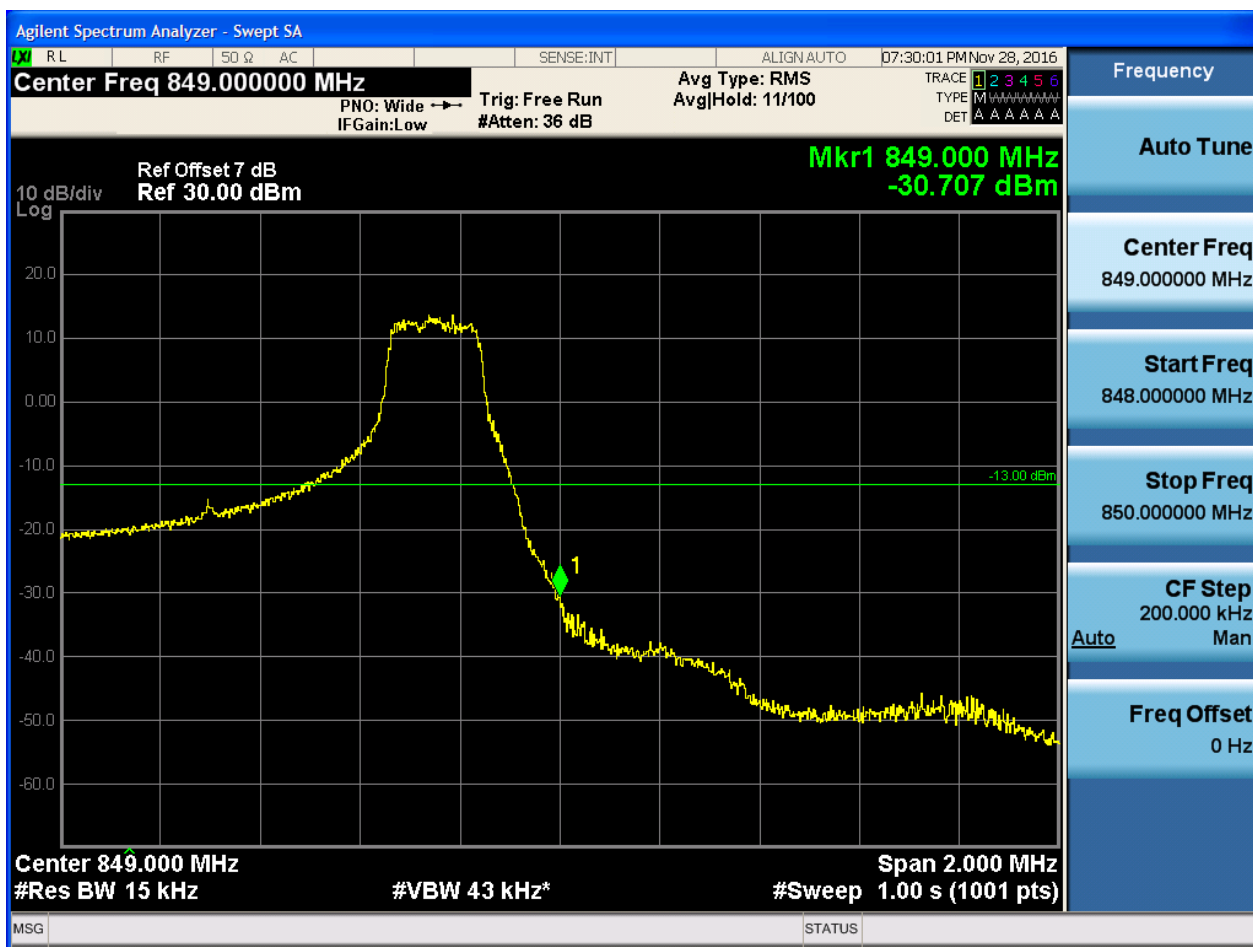
5.1.3.2.1.2 Test Channel = HCH

5.1.3.2.1.2.1 Test RB = RB1#0





5.1.3.2.1.2.2 Test RB = RB1#5





5.1.3.2.1.2.3 Test RB = RB3#2





5.1.3.2.1.2.4 Test RB = RB6#0

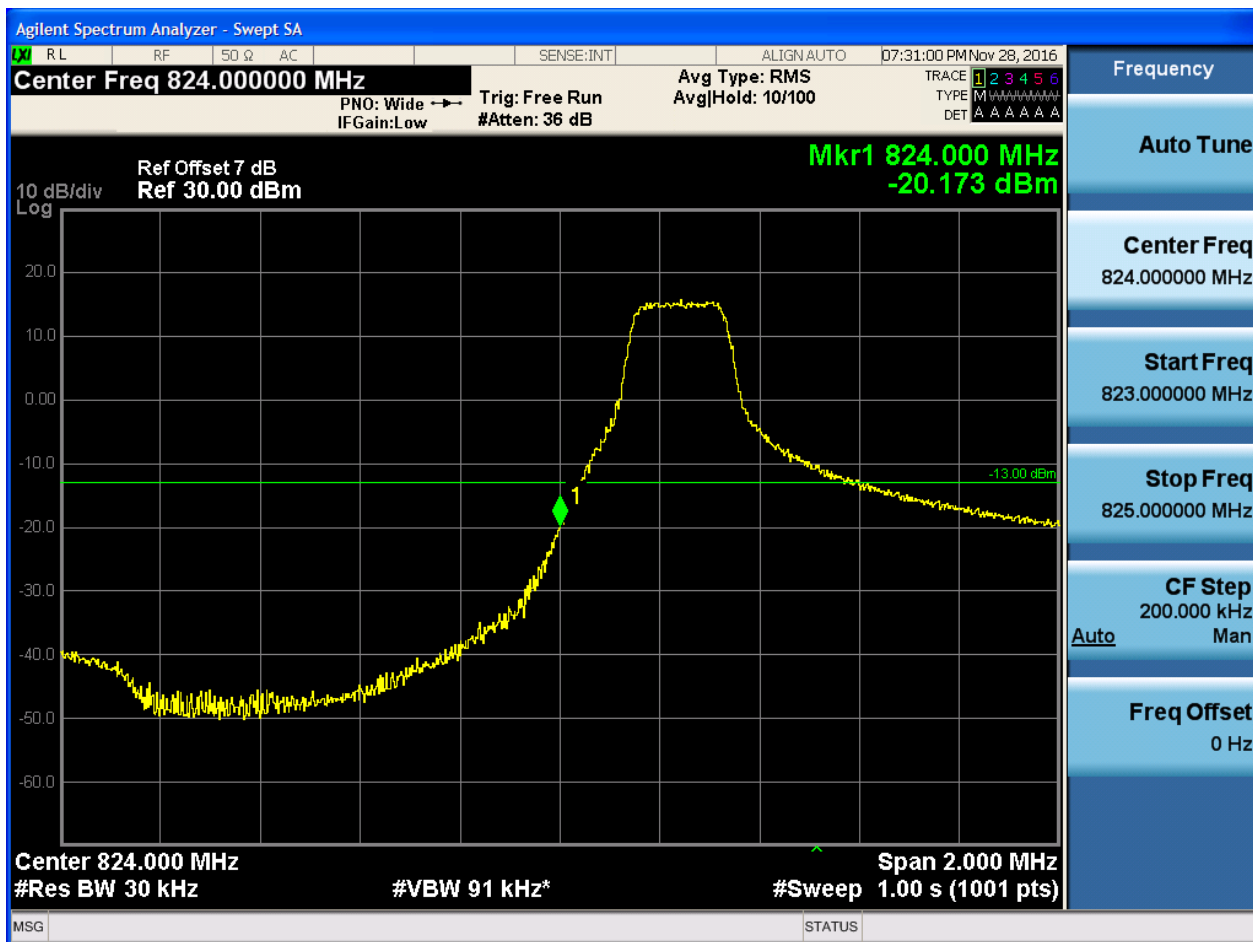




5.1.3.2.2 Test Bandwidth = 3

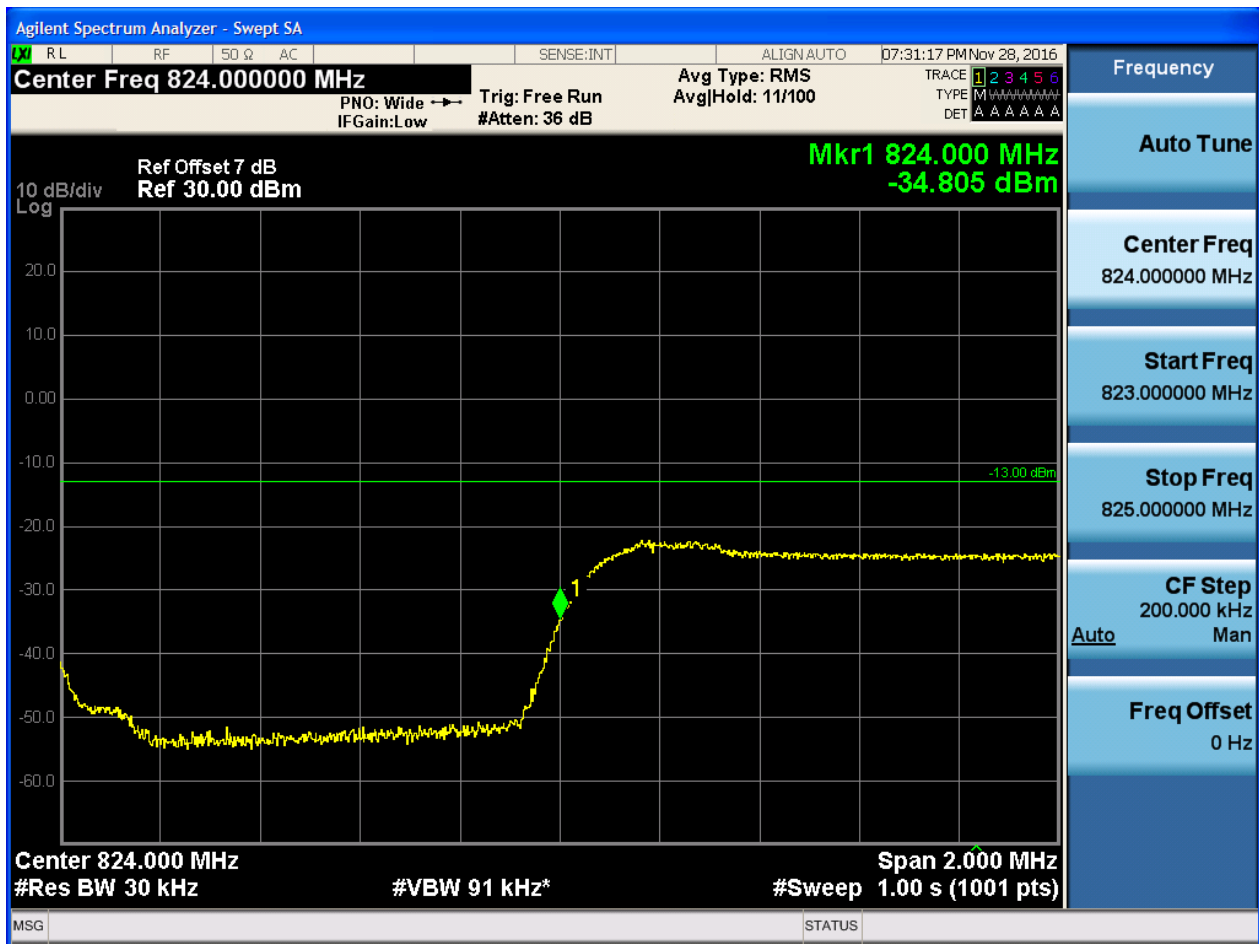
5.1.3.2.2.1 Test Channel = LCH

5.1.3.2.2.1.1 Test RB = RB1#0





5.1.3.2.2.1.2 Test RB = RB1#14



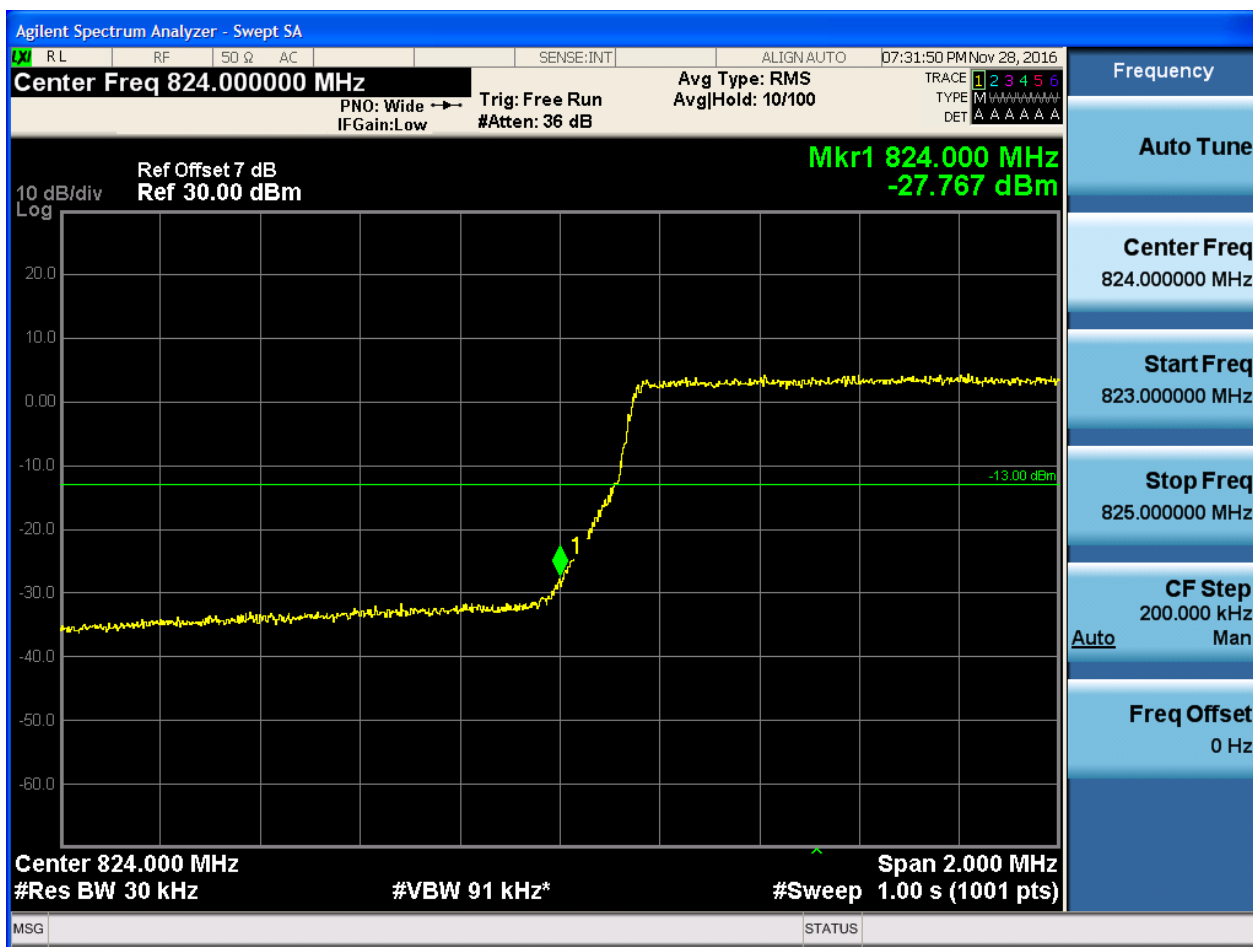


5.1.3.2.2.1.3 Test RB = RB8#4





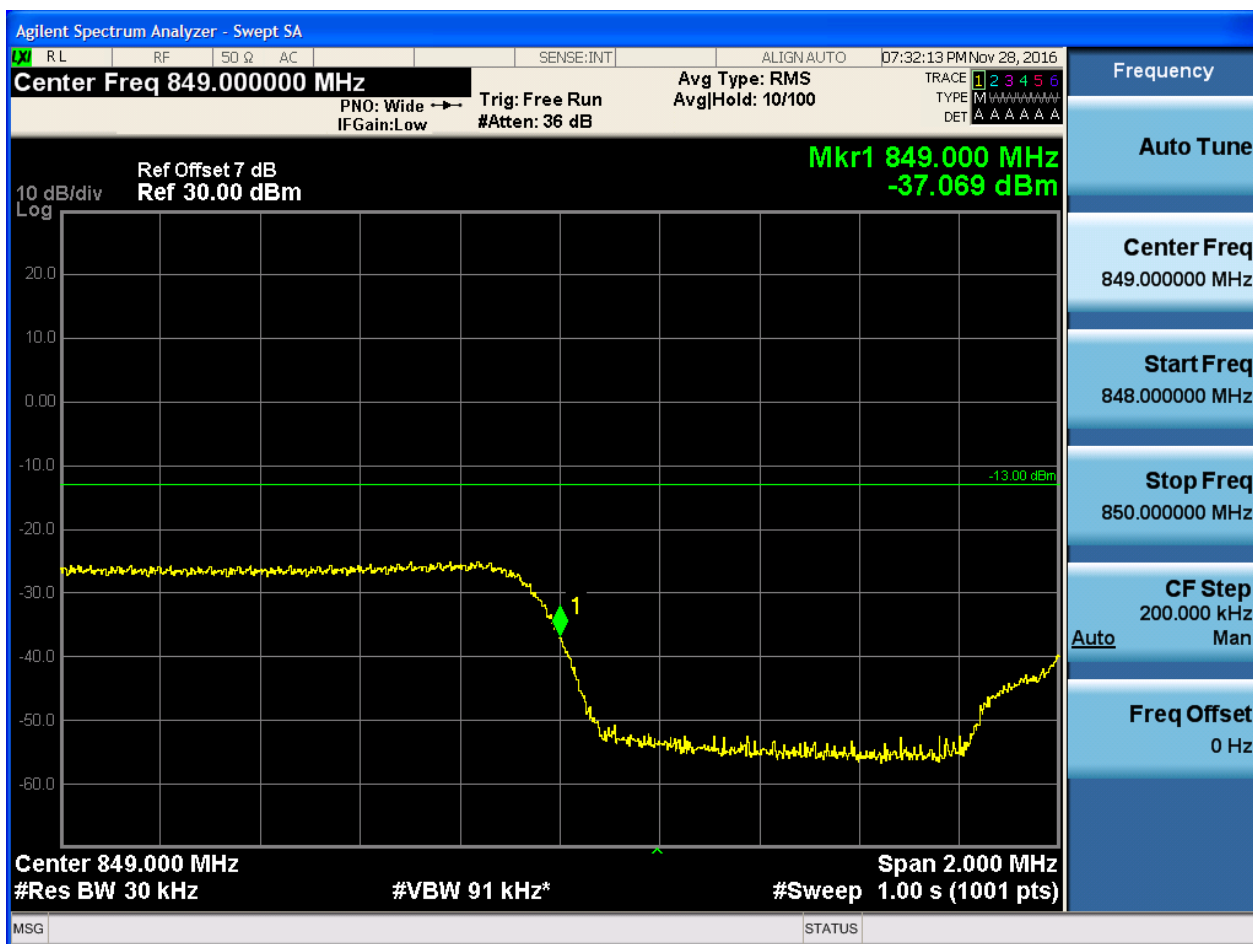
5.1.3.2.2.1.4 Test RB = RB15#0





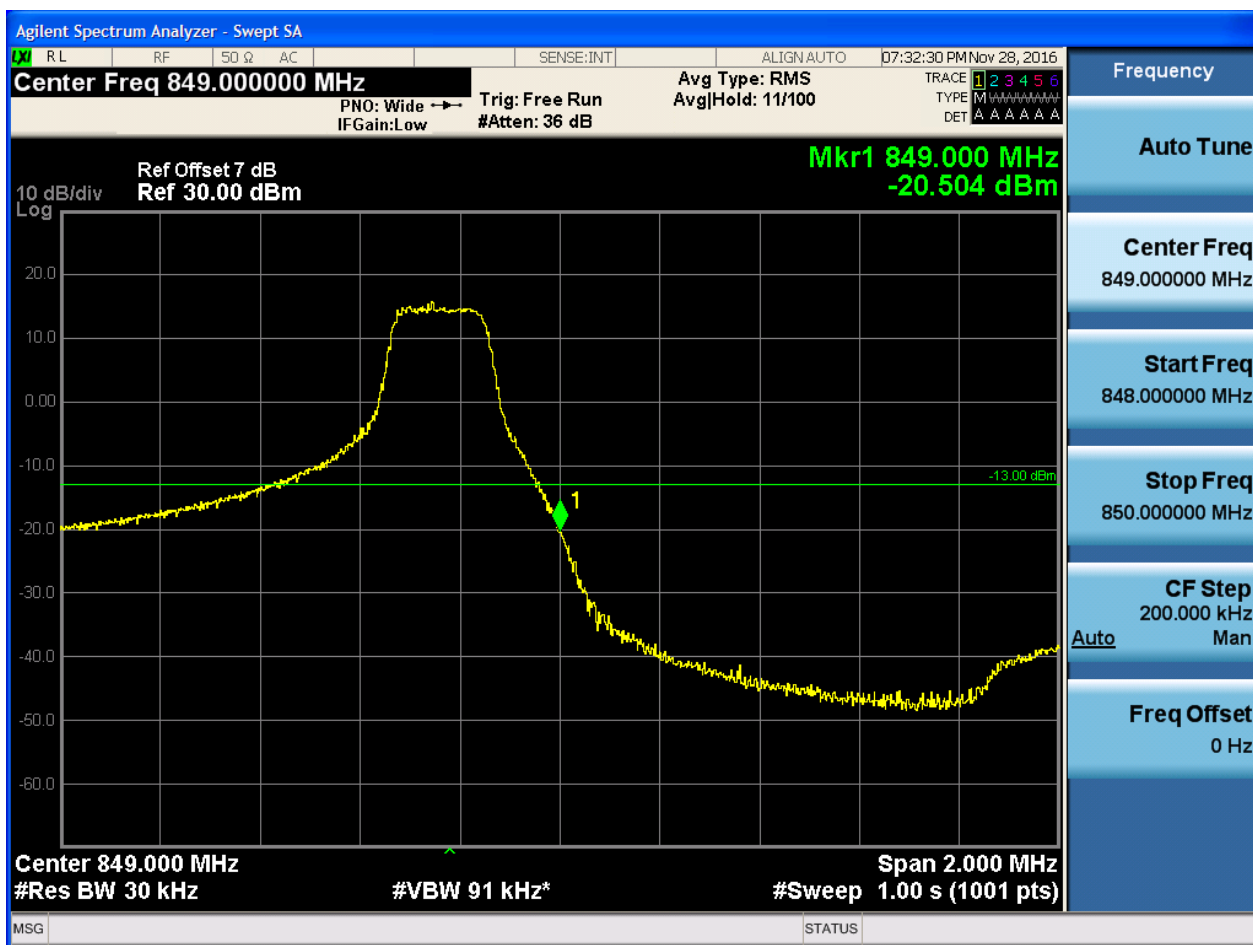
5.1.3.2.2.2 Test Channel = HCH

5.1.3.2.2.2.1 Test RB = RB1#0





5.1.3.2.2.2 Test RB = RB1#14



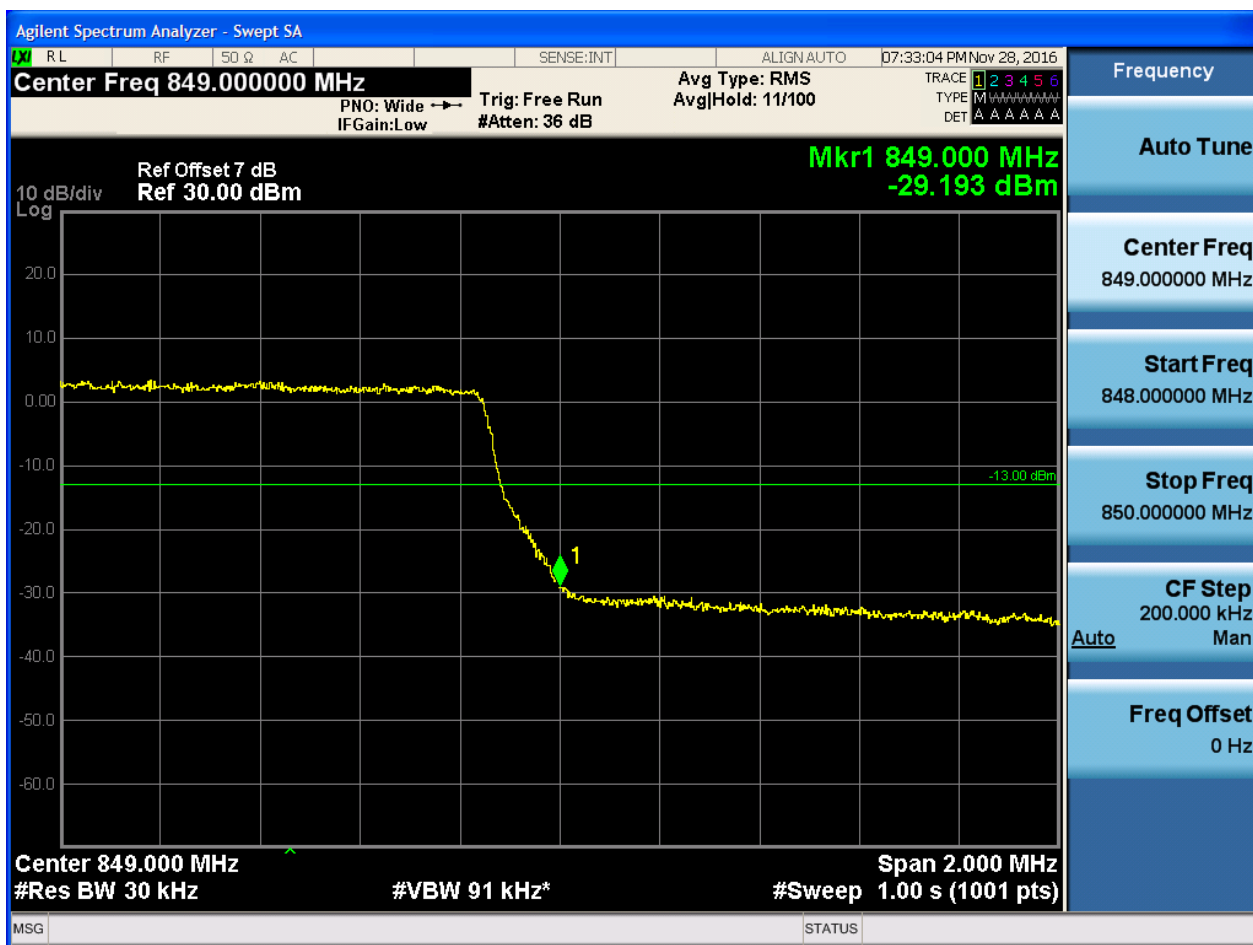


5.1.3.2.2.3 Test RB = RB8#4





5.1.3.2.2.4 Test RB = RB15#0

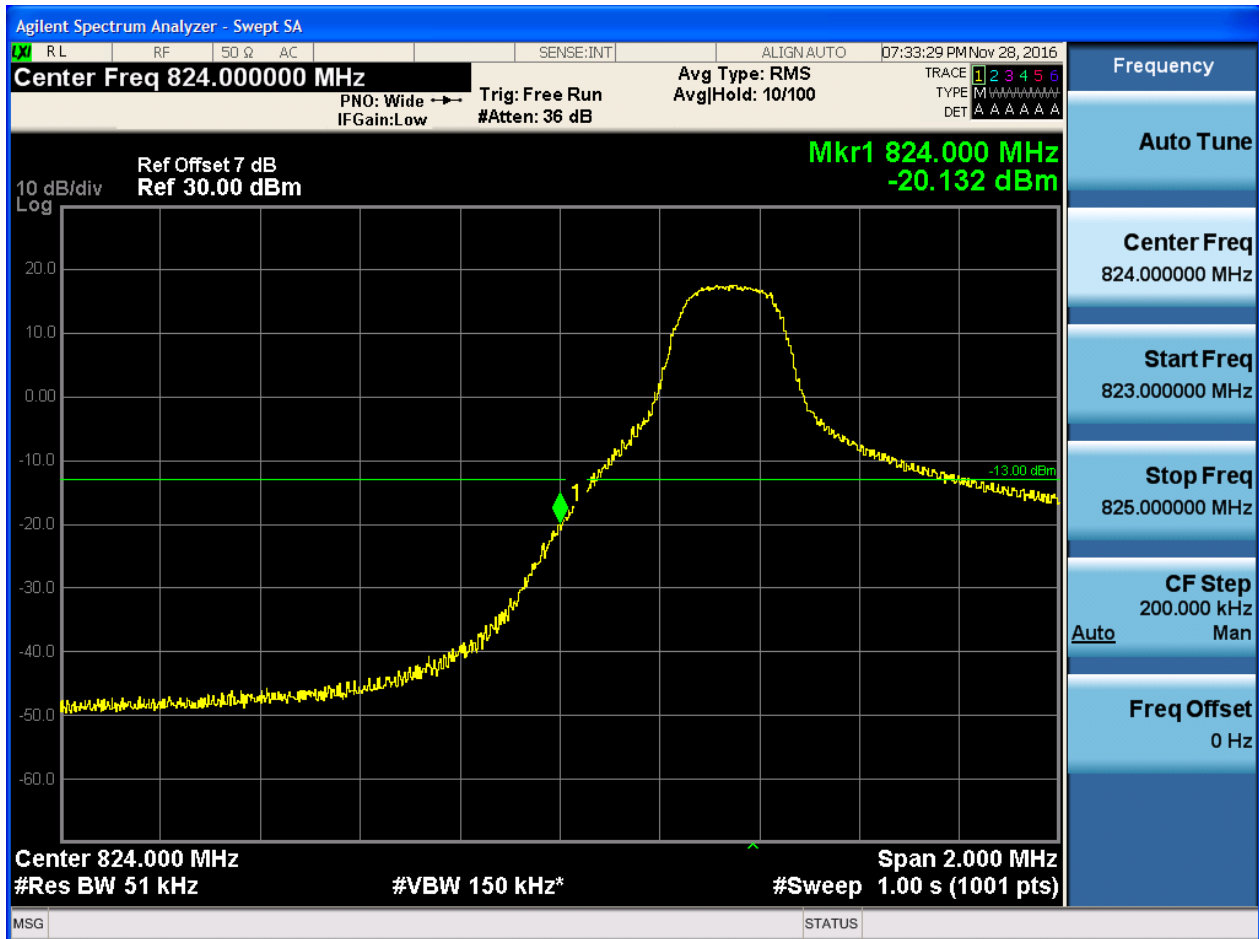




5.1.3.2.3 Test Bandwidth = 5

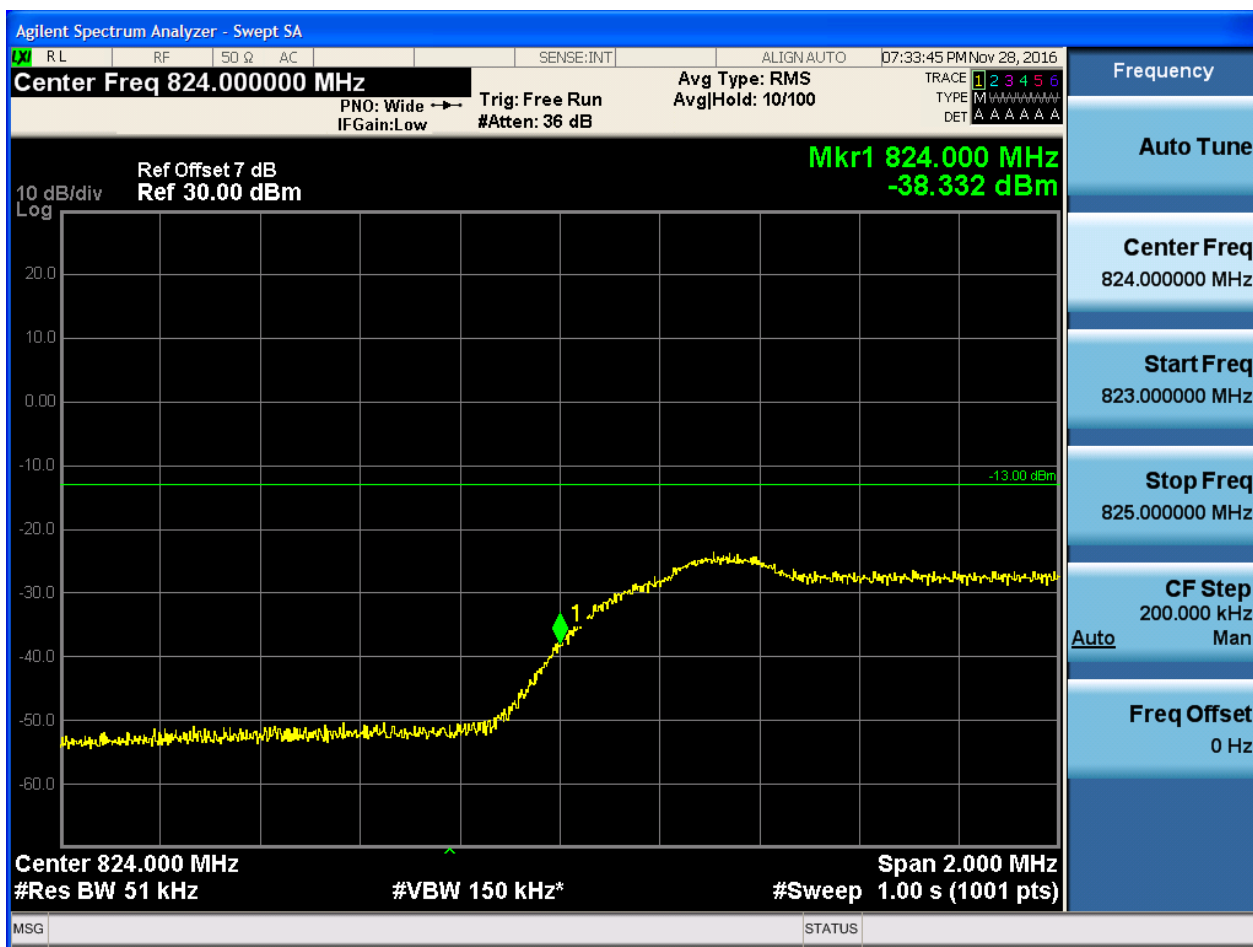
5.1.3.2.3.1 Test Channel = LCH

5.1.3.2.3.1.1 Test RB = RB1#0





5.1.3.2.3.1.2 Test RB = RB1#24





5.1.3.2.3.1.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

Center Freq 824.000000 MHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Center 824.000 MHz
#Res BW 51 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Trig: Free Run
#Atten: 36 dB

Avg Type: RMS
Avg/Hold: 9/100

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
Man

Freq Offset
0 Hz

Mkr1 824.000 MHz
-29.548 dBm

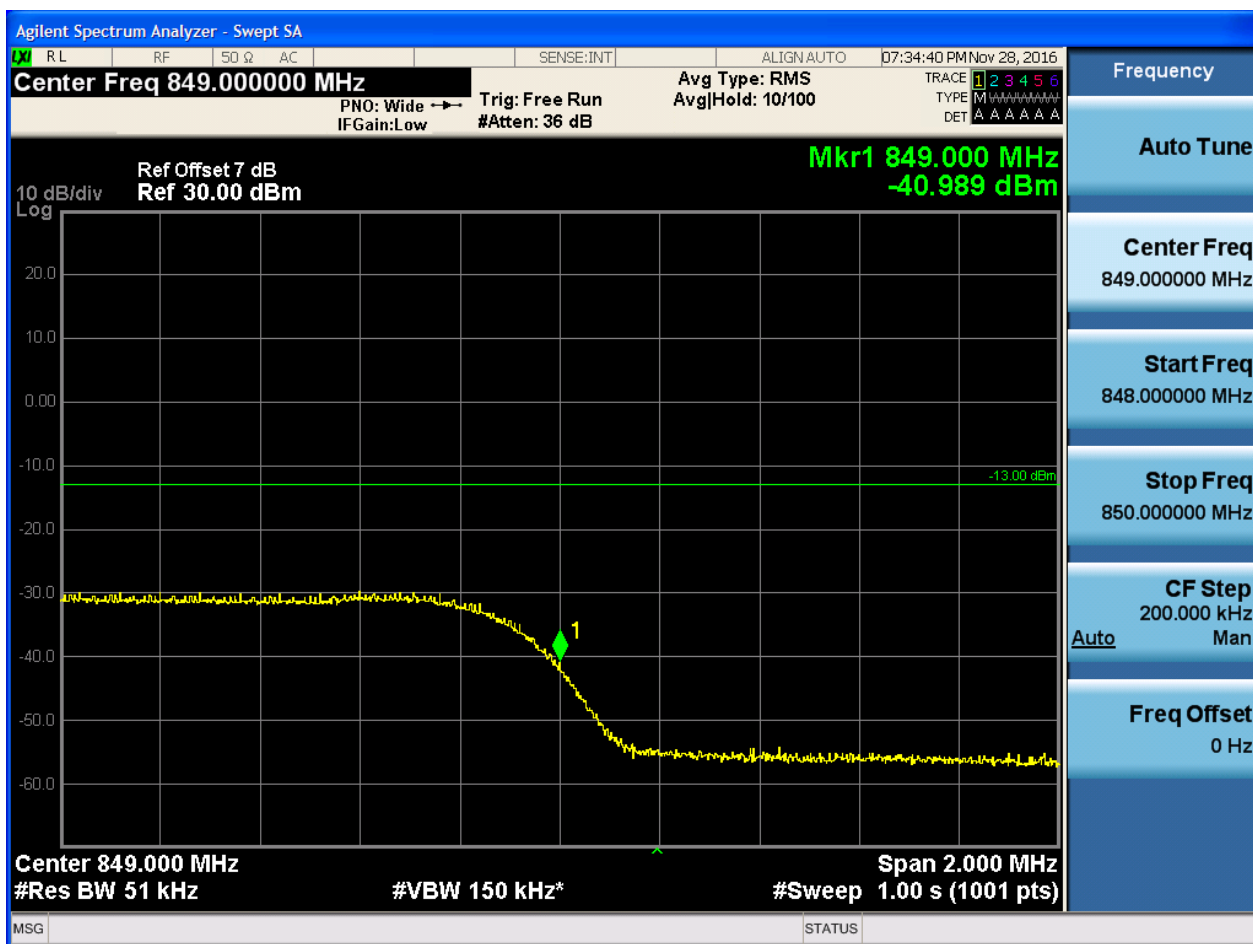
-13.00 dBm

1



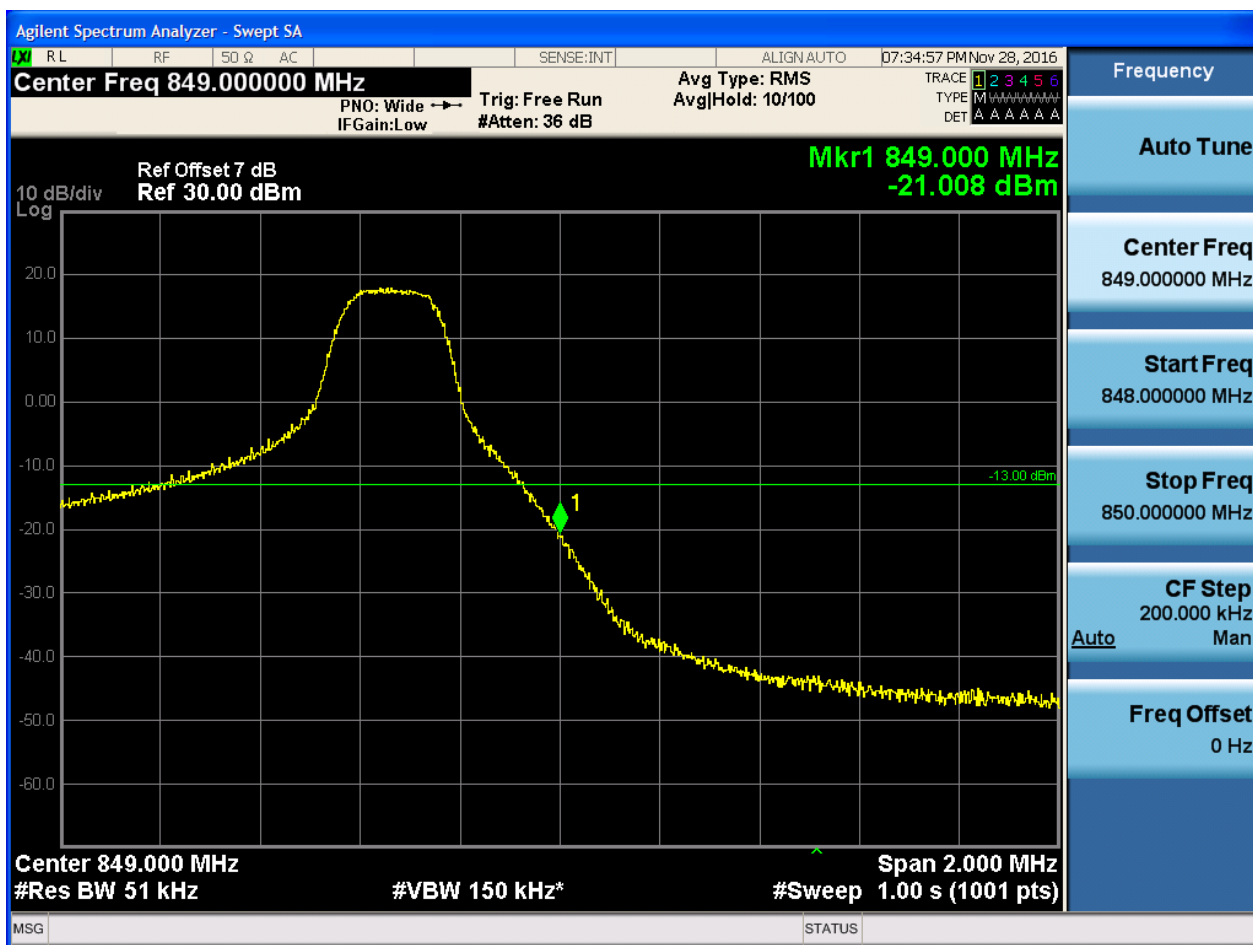
5.1.3.2.3.2 Test Channel = HCH

5.1.3.2.3.2.1 Test RB = RB1#0



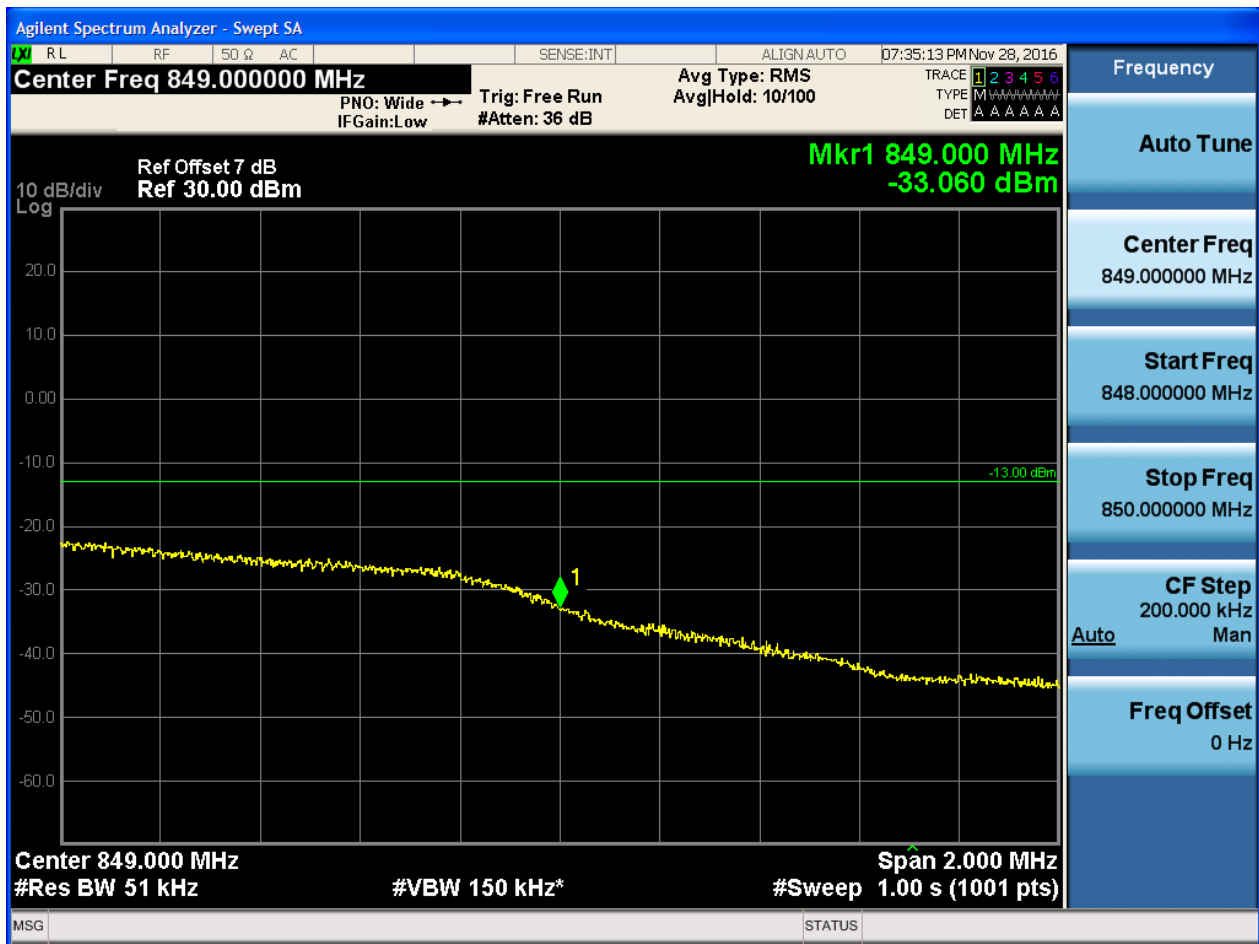


5.1.3.2.3.2.2 Test RB = RB1#24





5.1.3.2.3.2.3 Test RB = RB12#6





5.1.3.2.3.2.4 Test RB = RB25#0

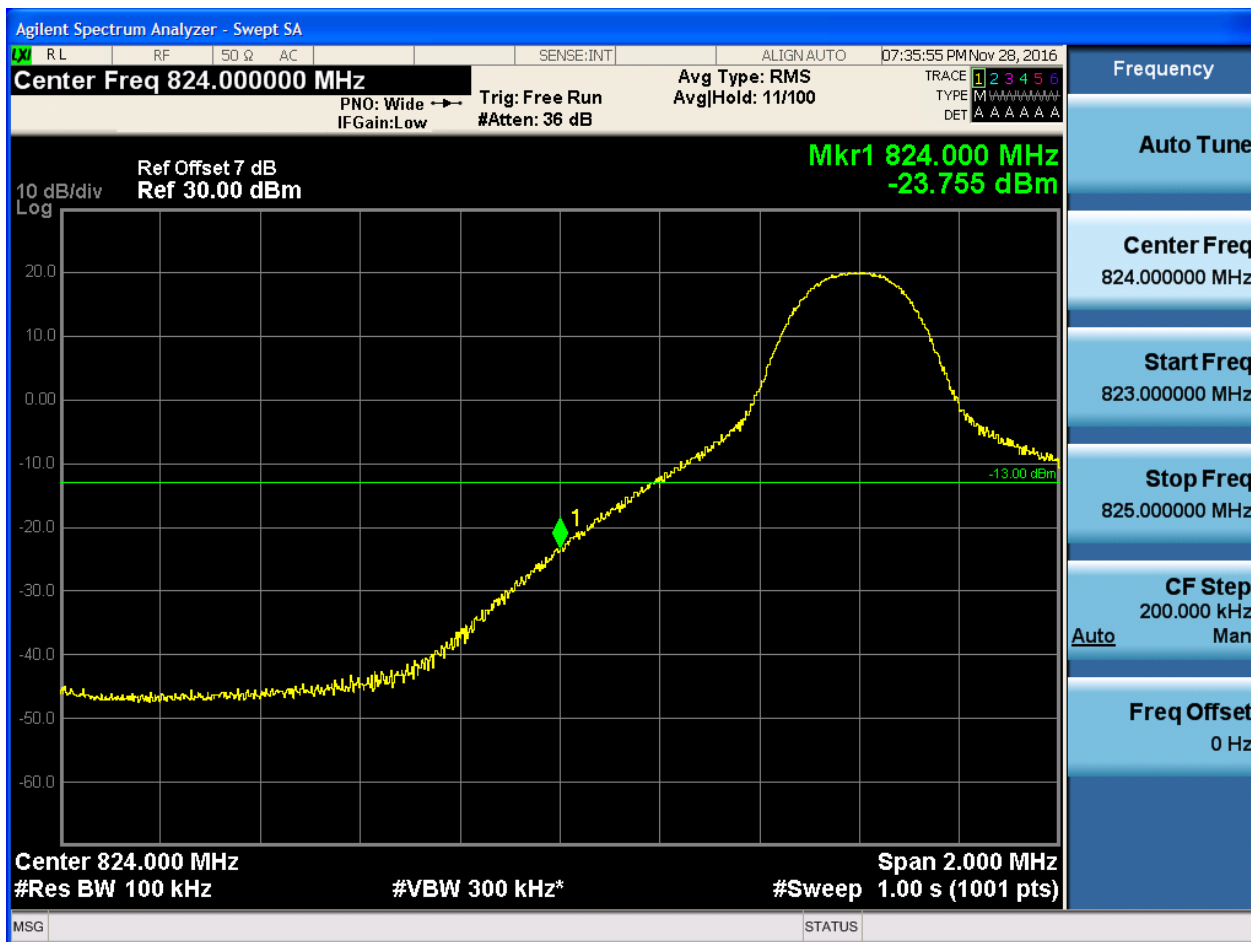




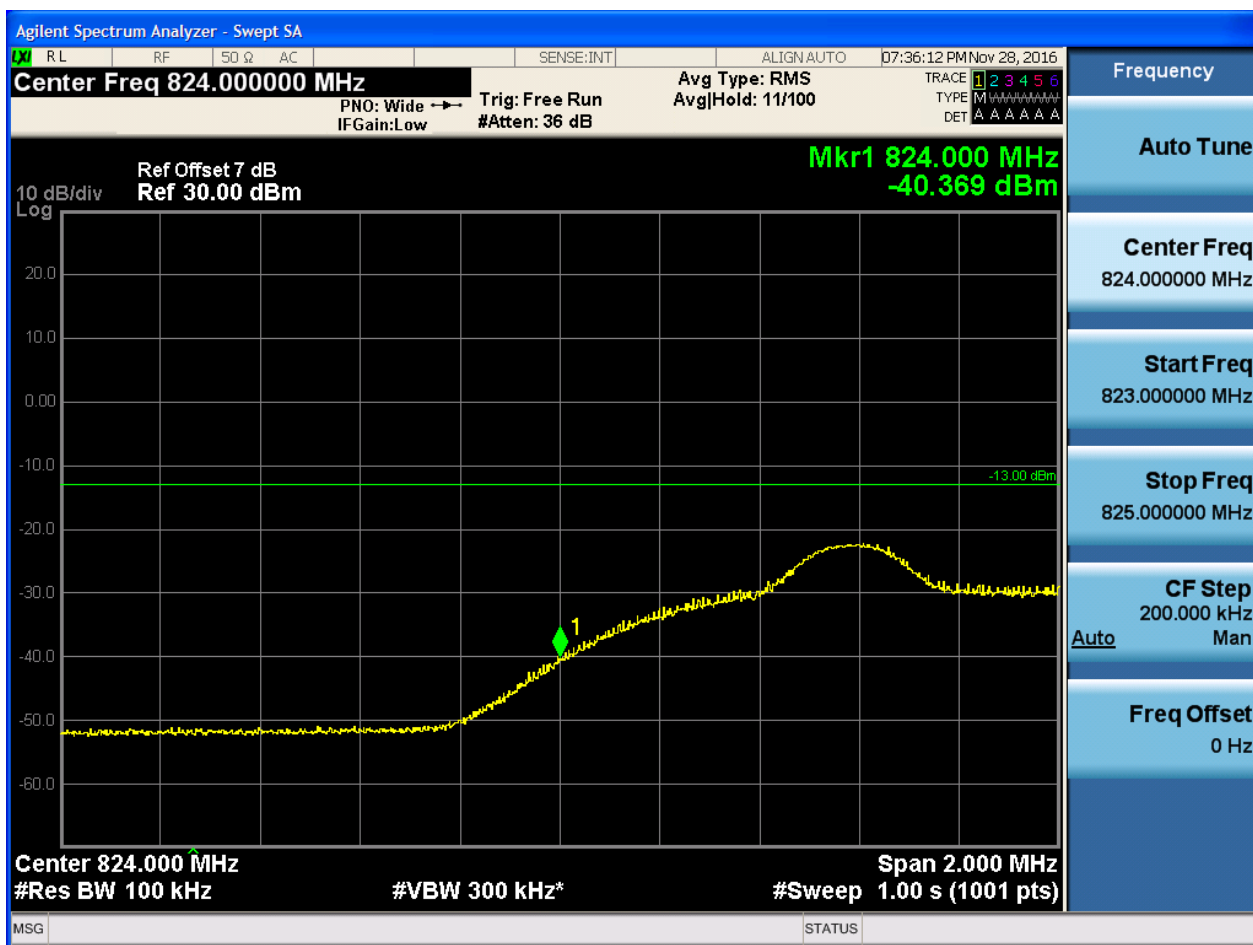
5.1.3.2.4 Test Bandwidth = 10

5.1.3.2.4.1 Test Channel = LCH

5.1.3.2.4.1.1 Test RB = RB1#0

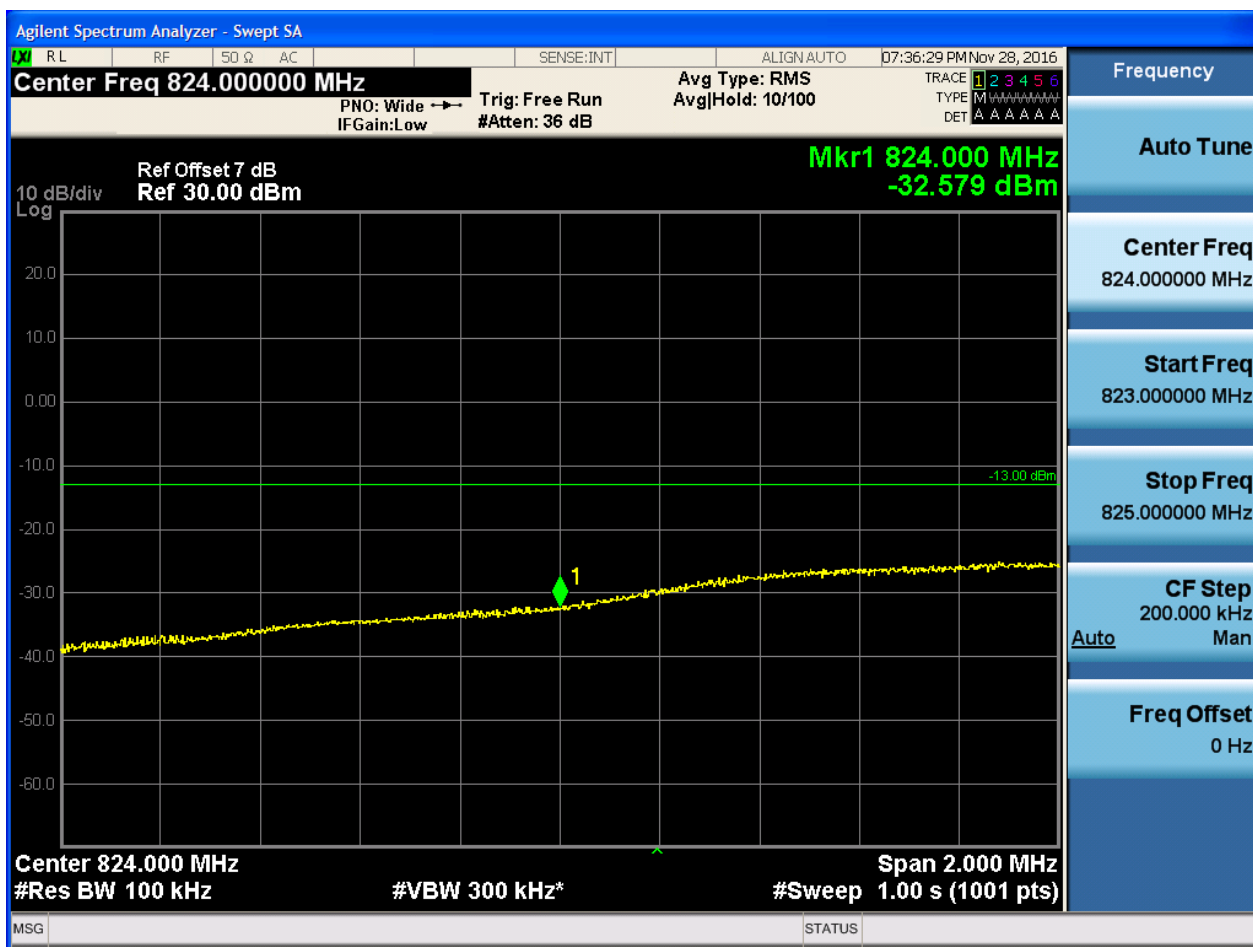


5.1.3.2.4.1.2 Test RB = RB1#49





5.1.3.2.4.1.3 Test RB = RB25#13





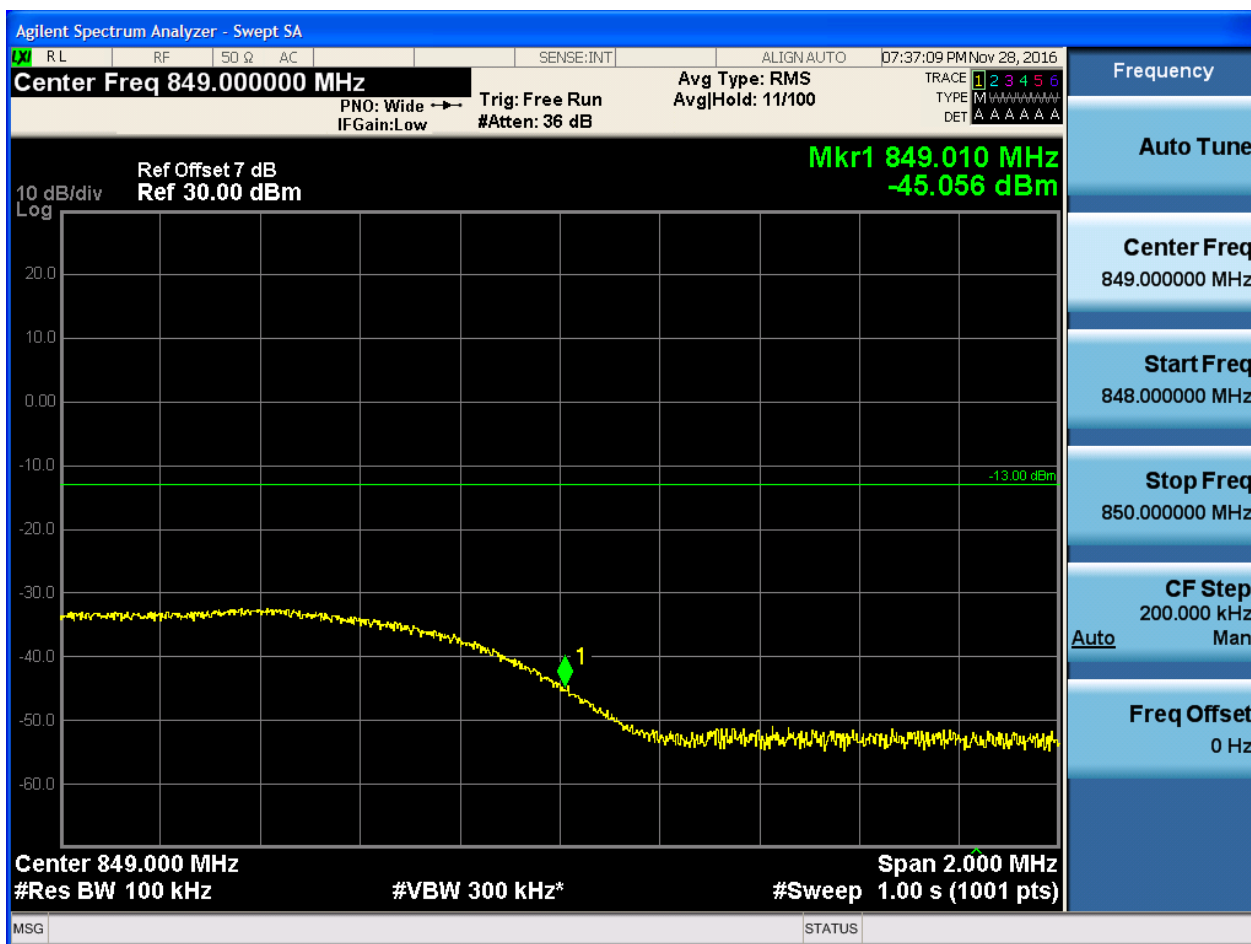
5.1.3.2.4.1.4 Test RB = RB50#0





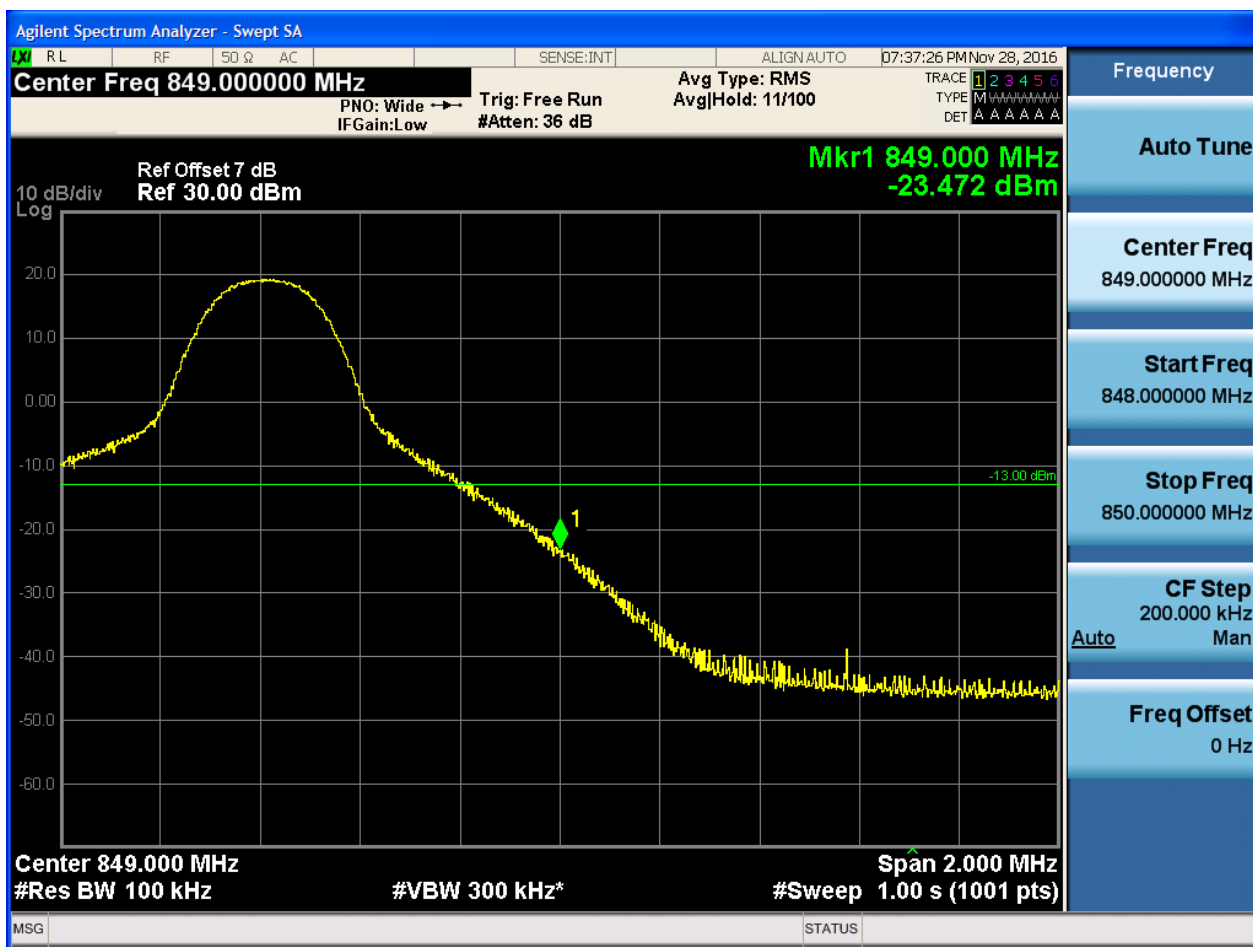
5.1.3.2.4.2 Test Channel = HCH

5.1.3.2.4.2.1 Test RB = RB1#0



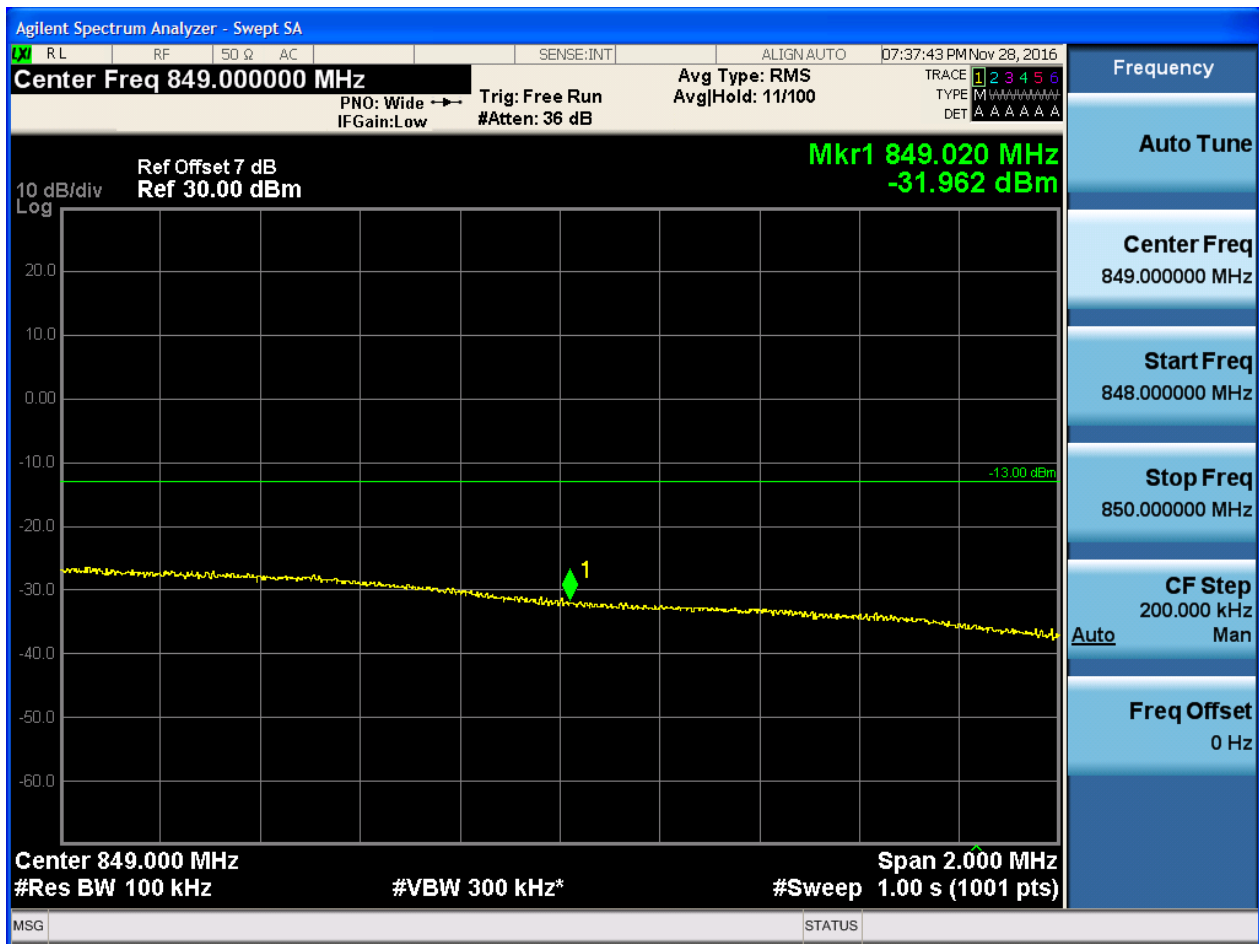


5.1.3.2.4.2.2 Test RB = RB1#49





5.1.3.2.4.2.3 Test RB = RB25#13





5.1.3.2.4.2.4 Test RB = RB50#0

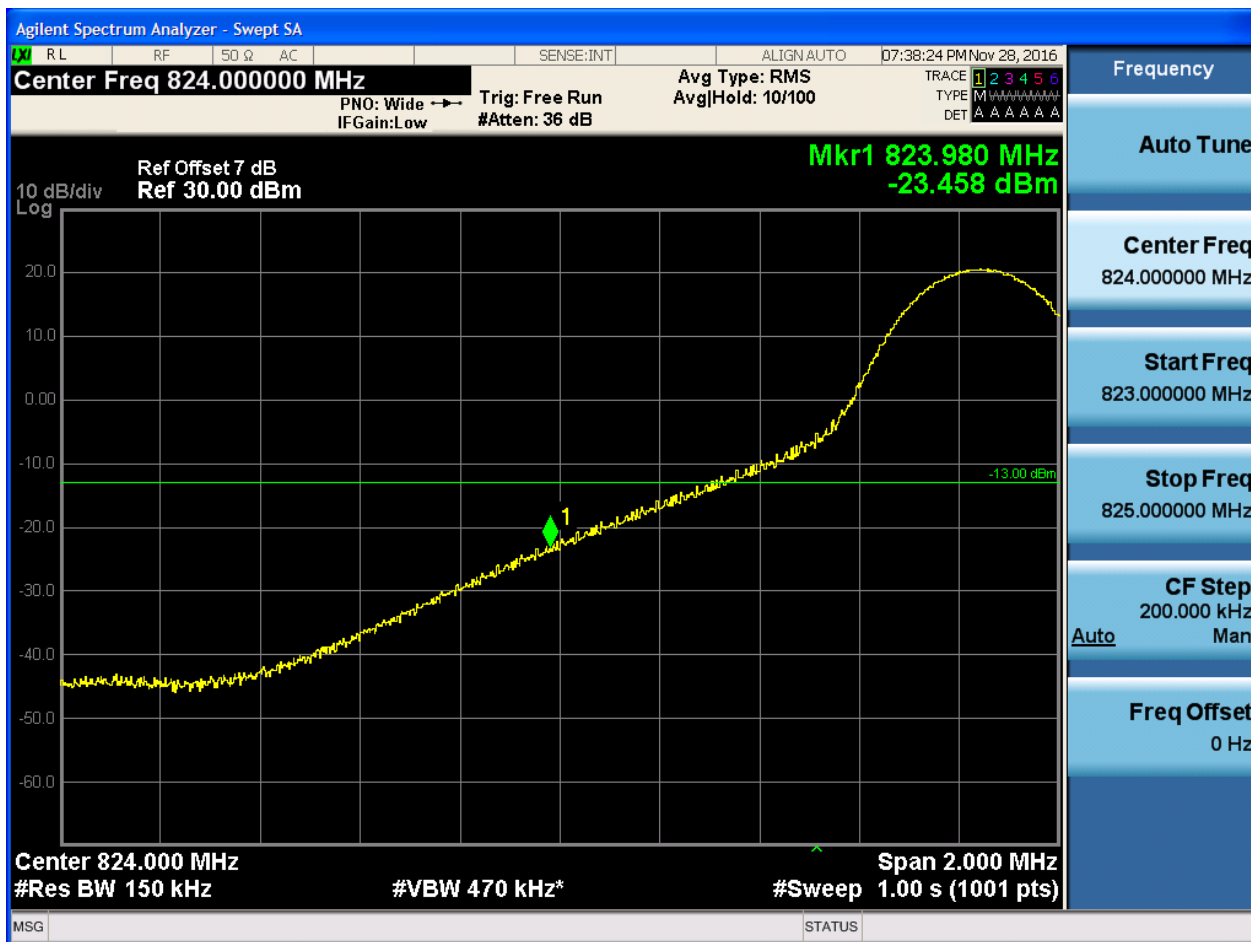




5.1.3.2.5 Test Bandwidth = 15

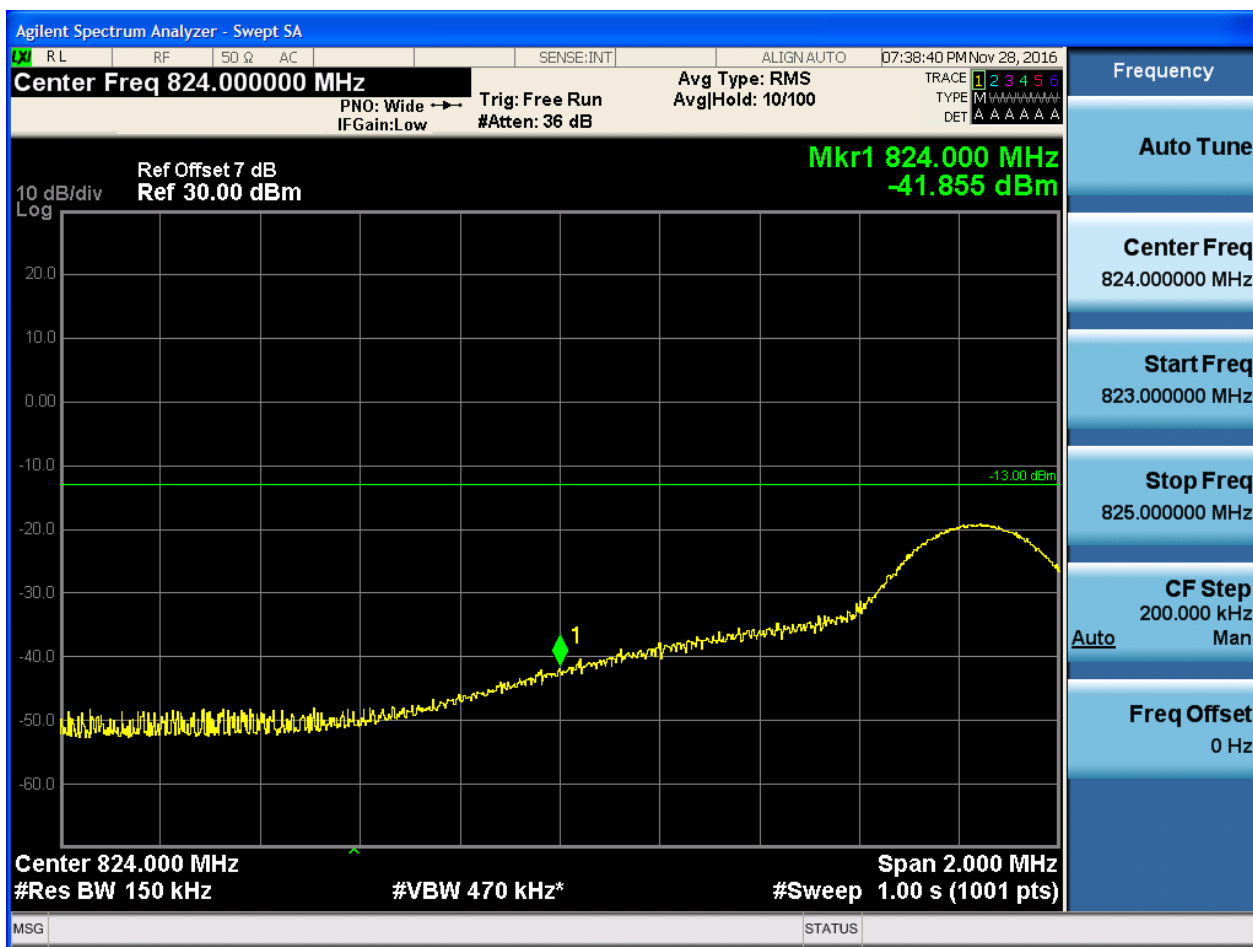
5.1.3.2.5.1 Test Channel = LCH

5.1.3.2.5.1.1 Test RB = RB1#0



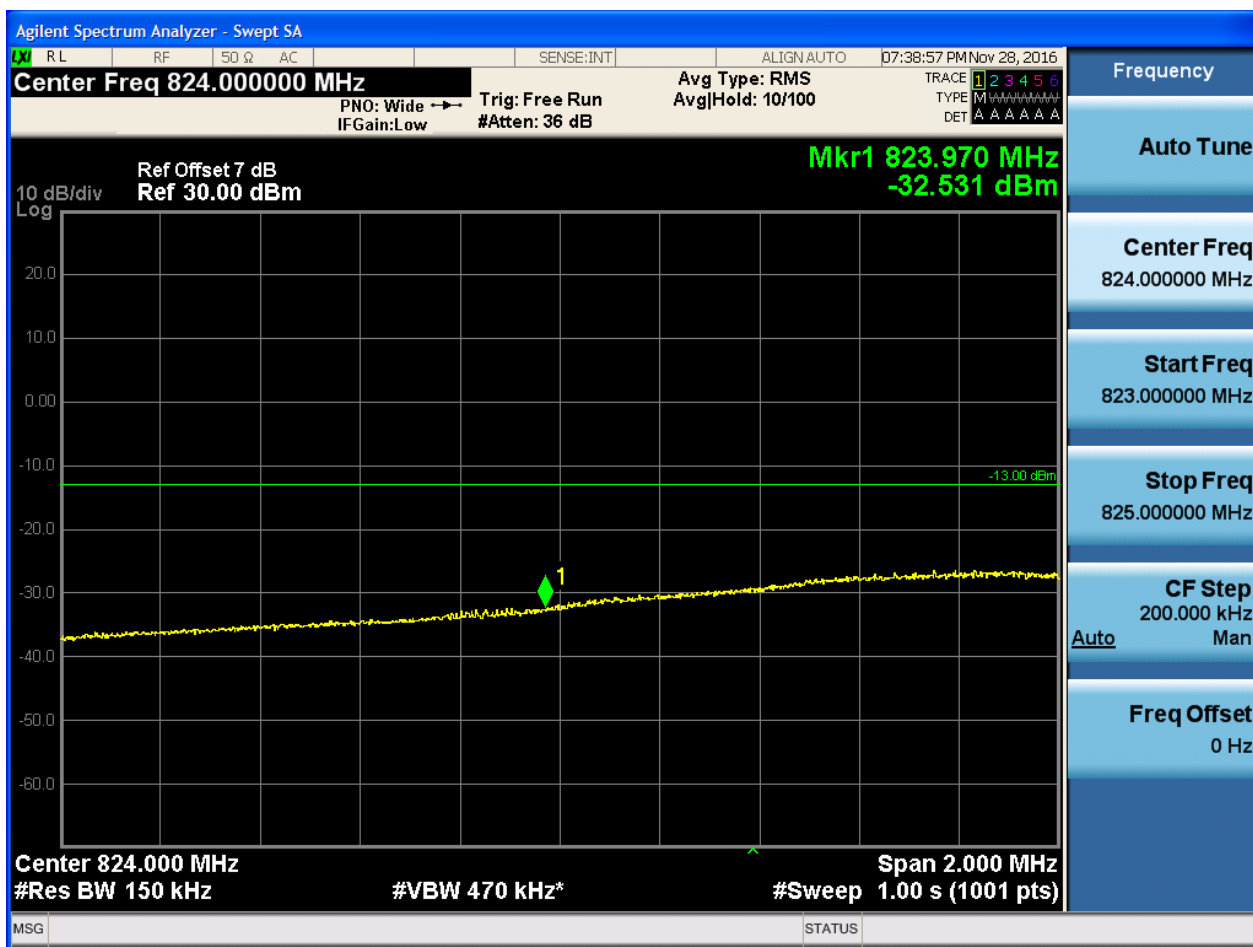


5.1.3.2.5.1.2 Test RB = RB1#74





5.1.3.2.5.1.3 Test RB = RB38#19





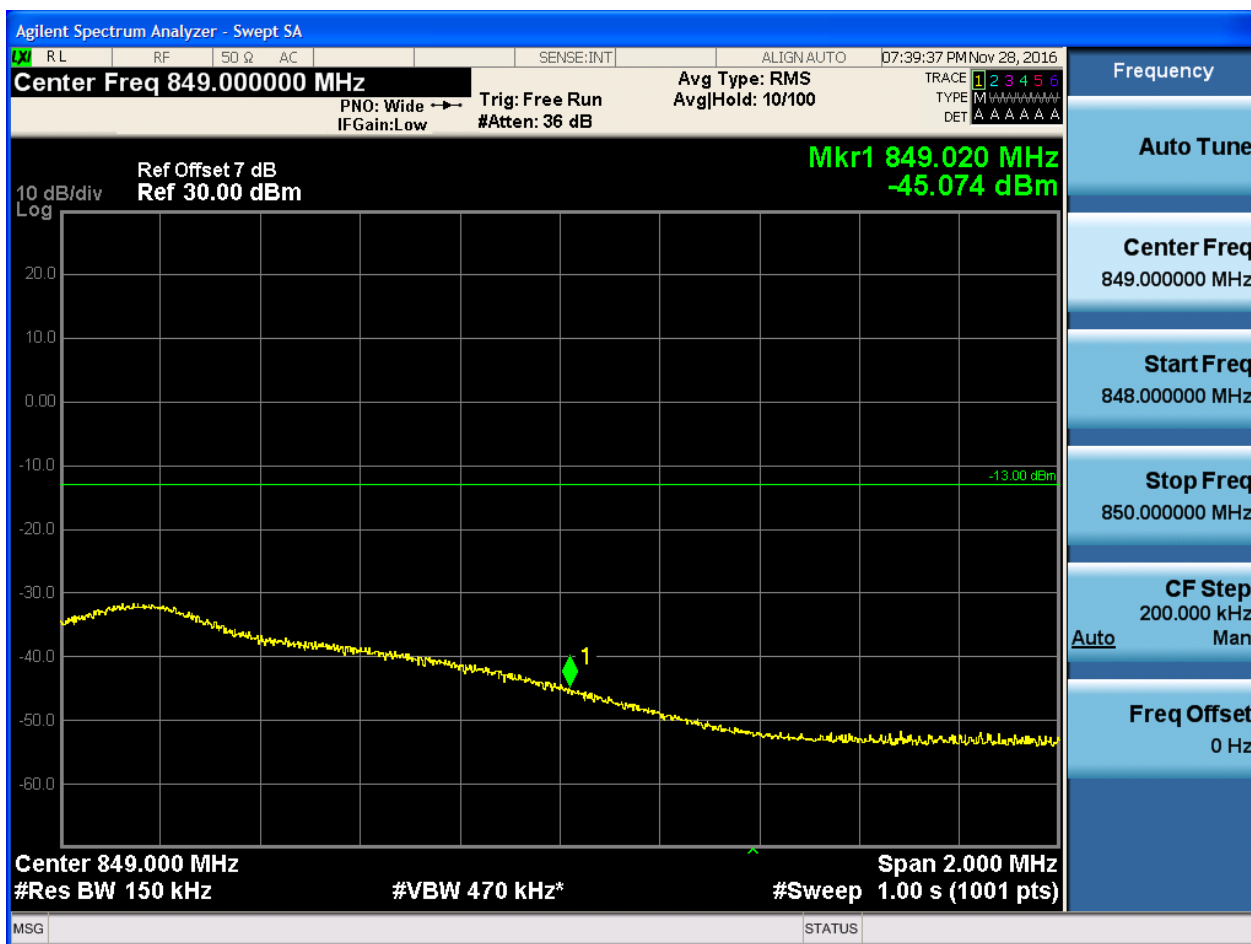
5.1.3.2.5.1.4 Test RB = RB75#0





5.1.3.2.5.2 Test Channel = HCH

5.1.3.2.5.2.1 Test RB = RB1#0





5.1.3.2.5.2.2 Test RB = RB1#74





5.1.3.2.5.2.3 Test RB = RB38#19





5.1.3.2.5.2.4 Test RB = RB75#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

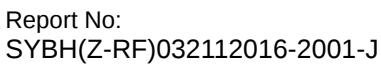
6.1.3 Test Band = BAND26

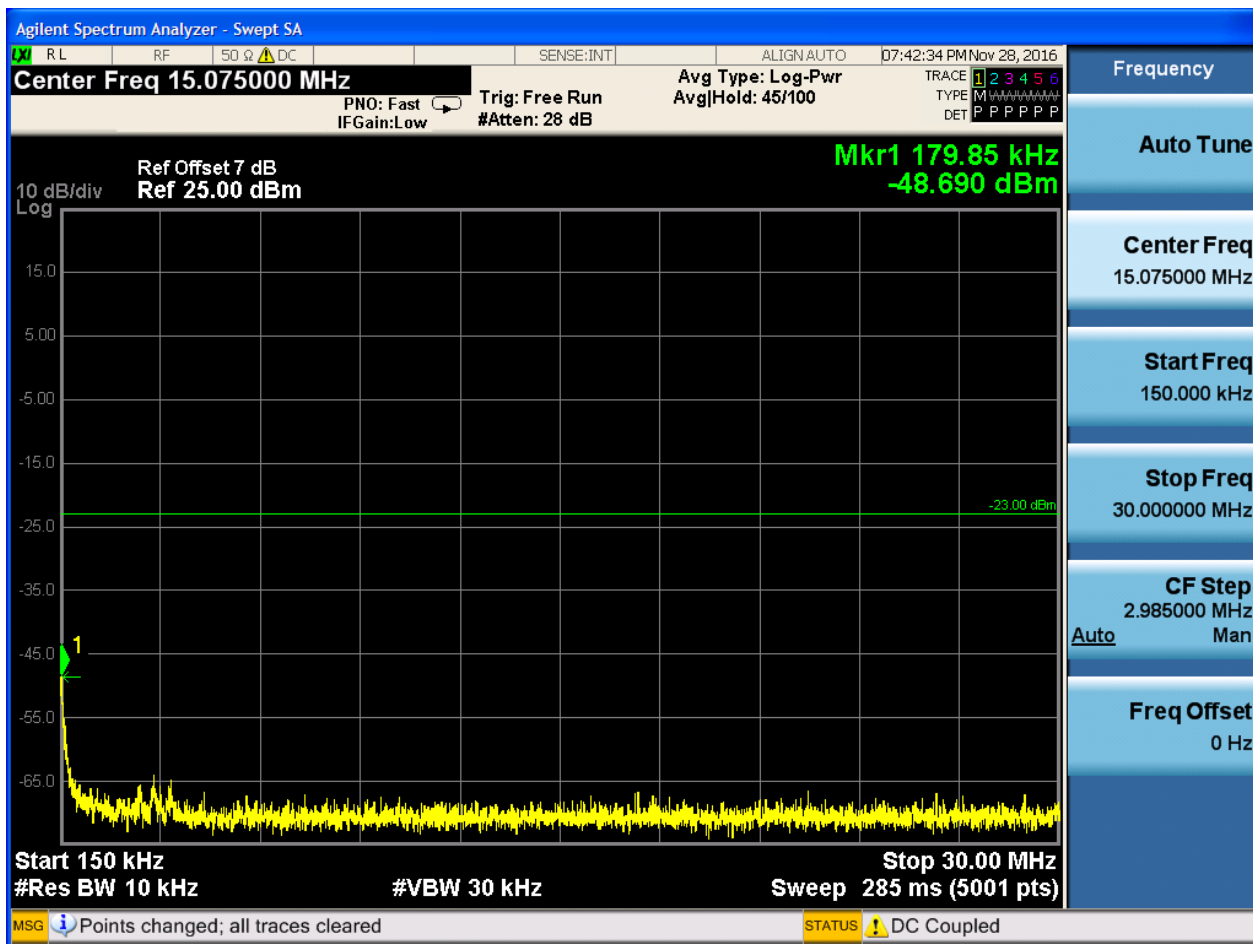
6.1.3.1 Test Mode = LTE/TM1

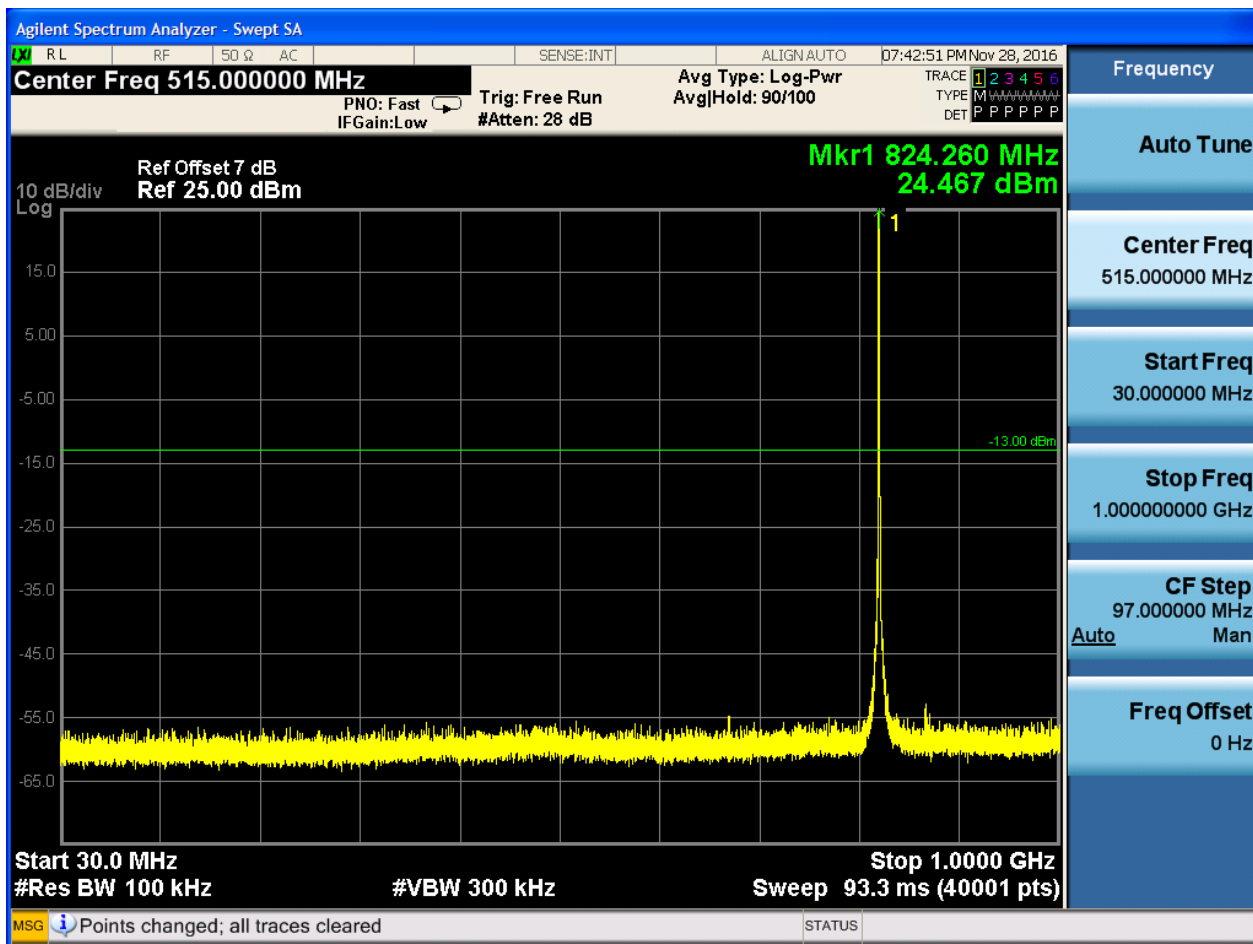
6.1.3.1.1 Test Bandwidth = 1.4

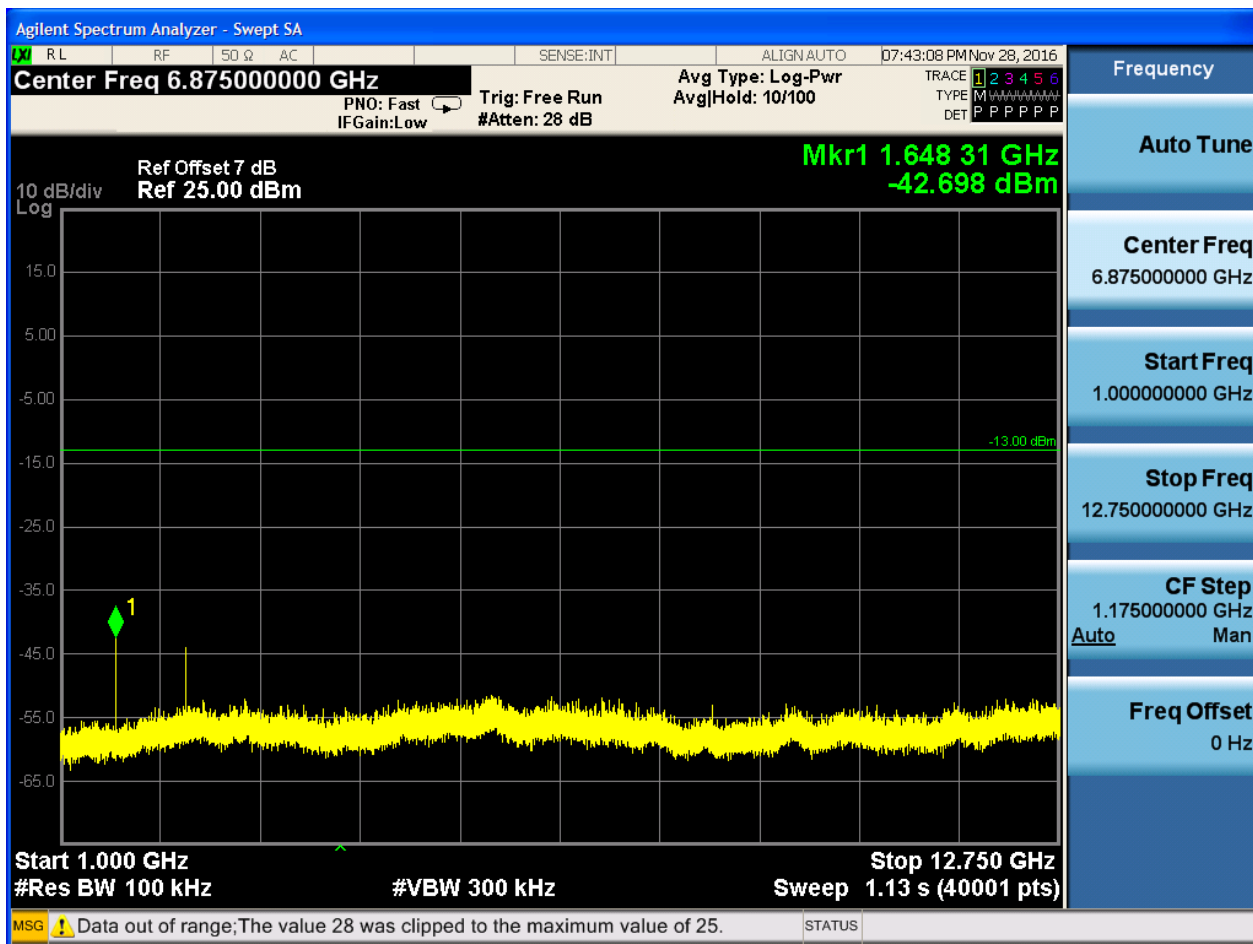
6.1.3.1.1.1 Test Channel = LCH

6.1.3.1.1.1.1 Test RB = RB1#0





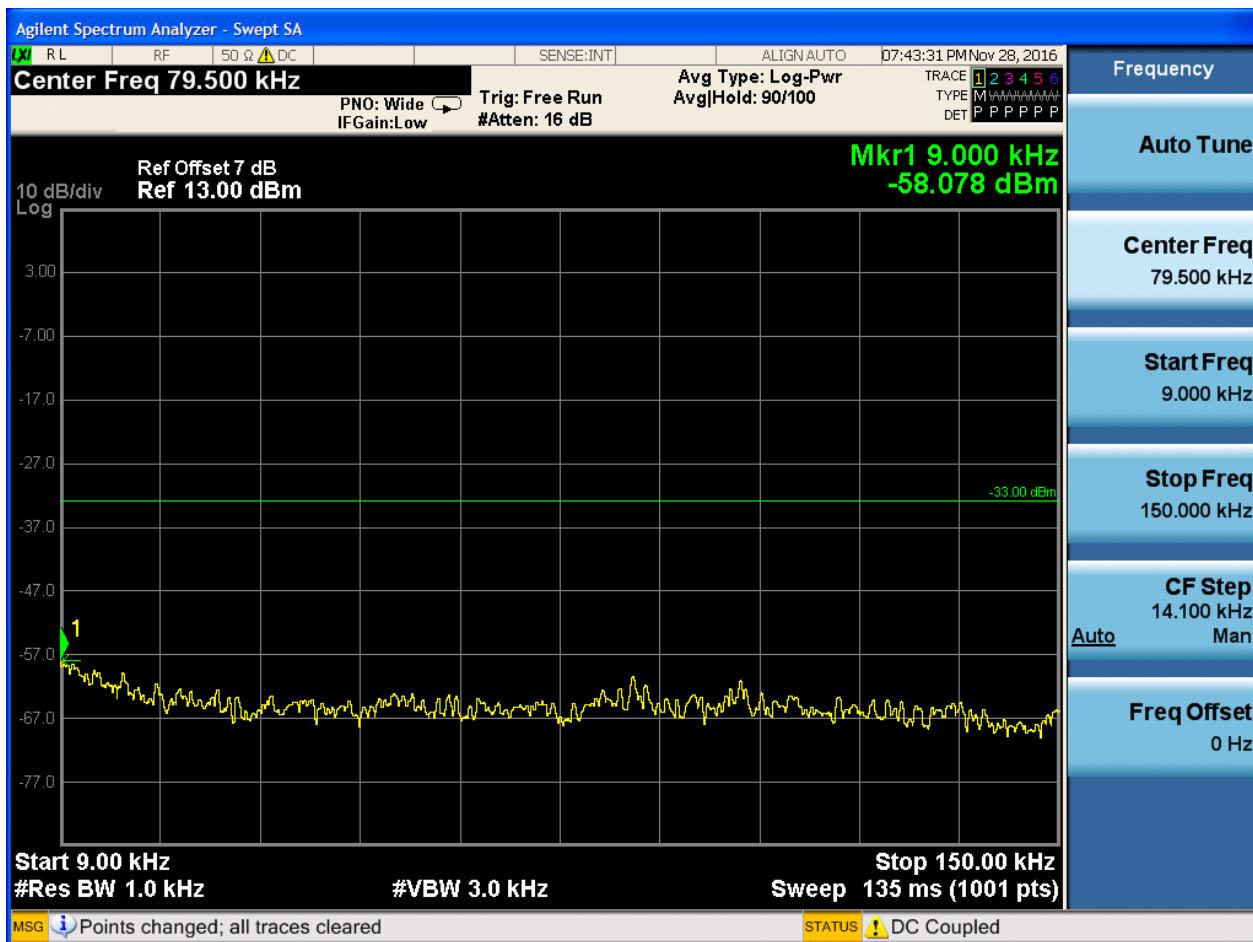


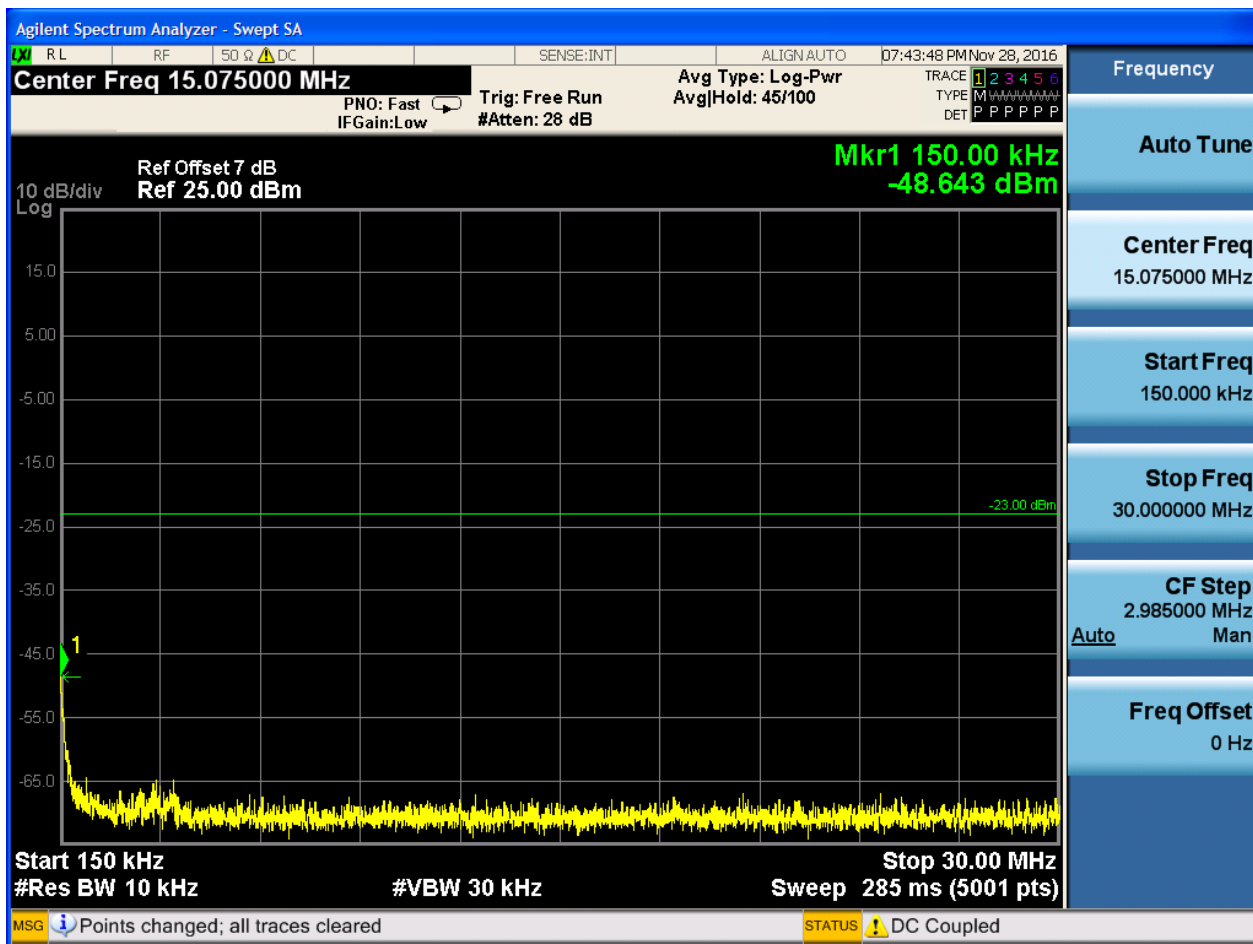


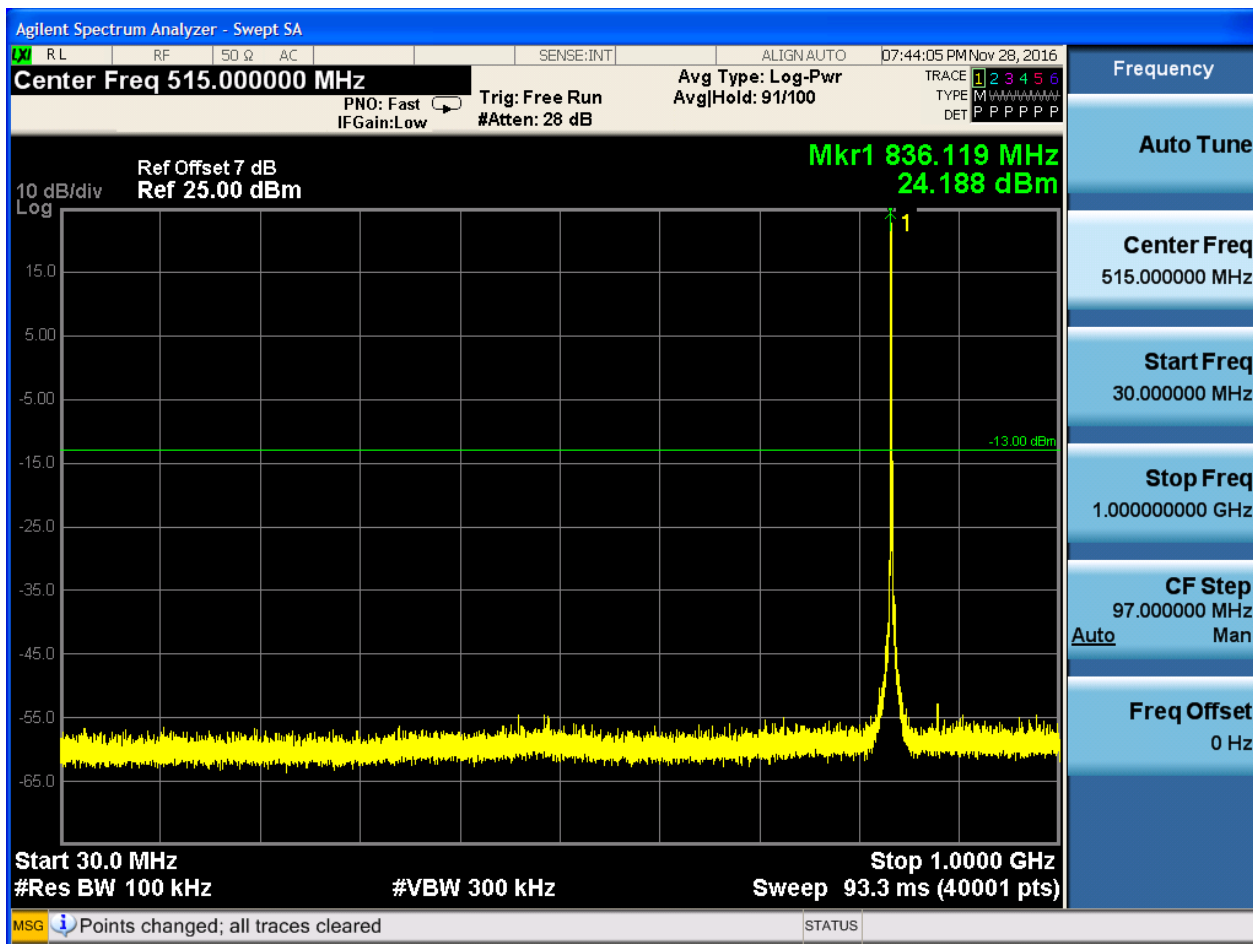


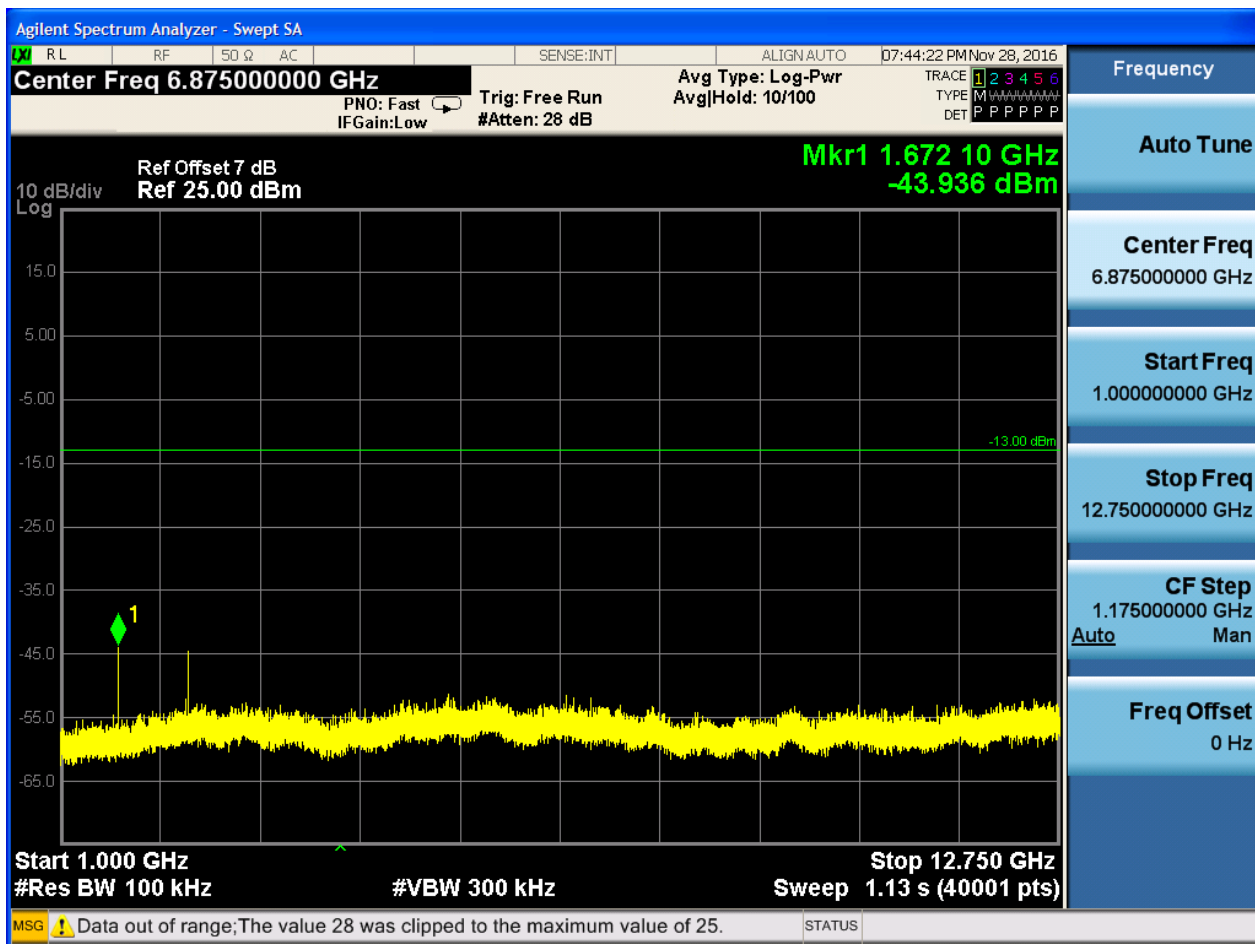
6.1.3.1.1.2 Test Channel = MCH

6.1.3.1.1.2.1 Test RB = RB1#0



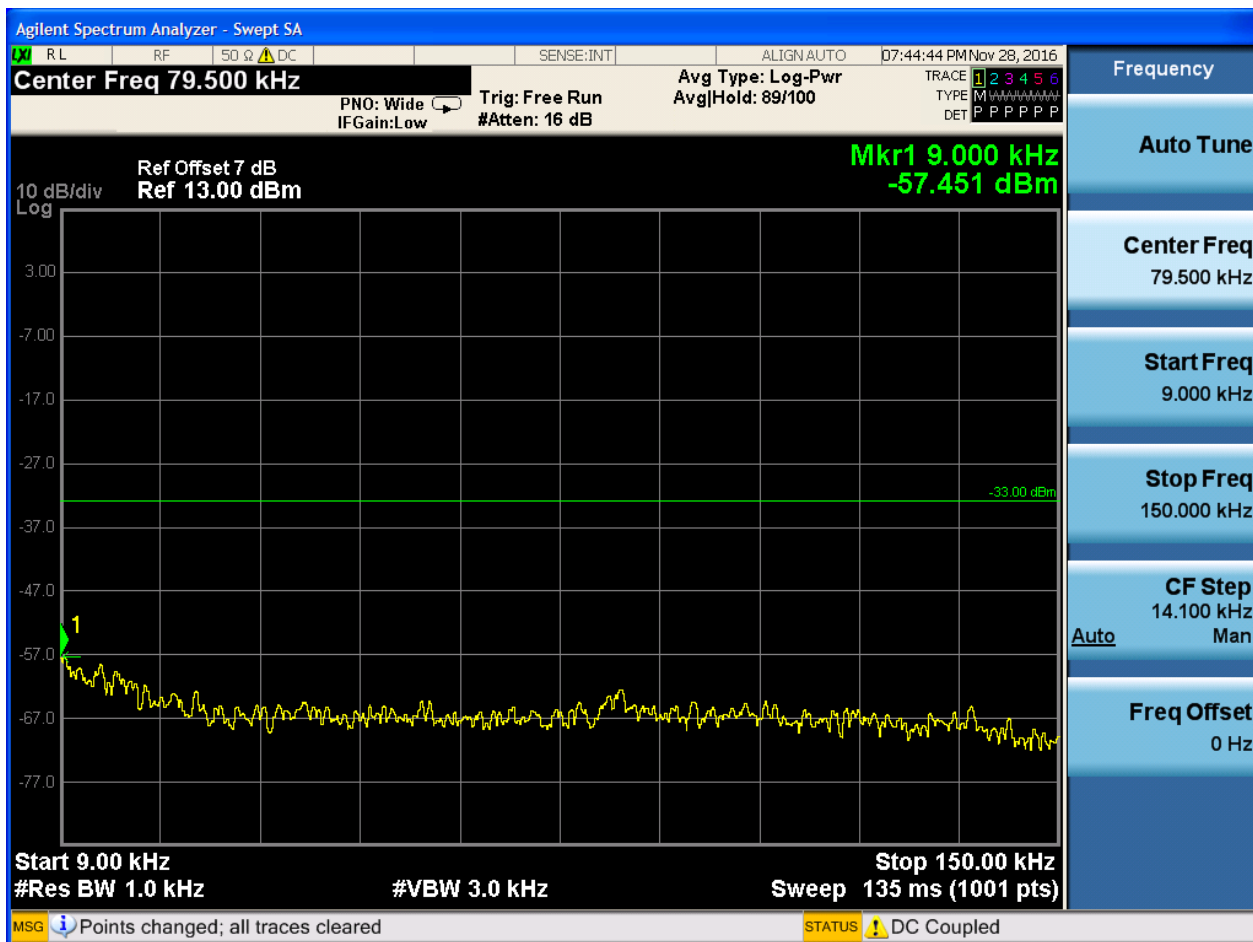


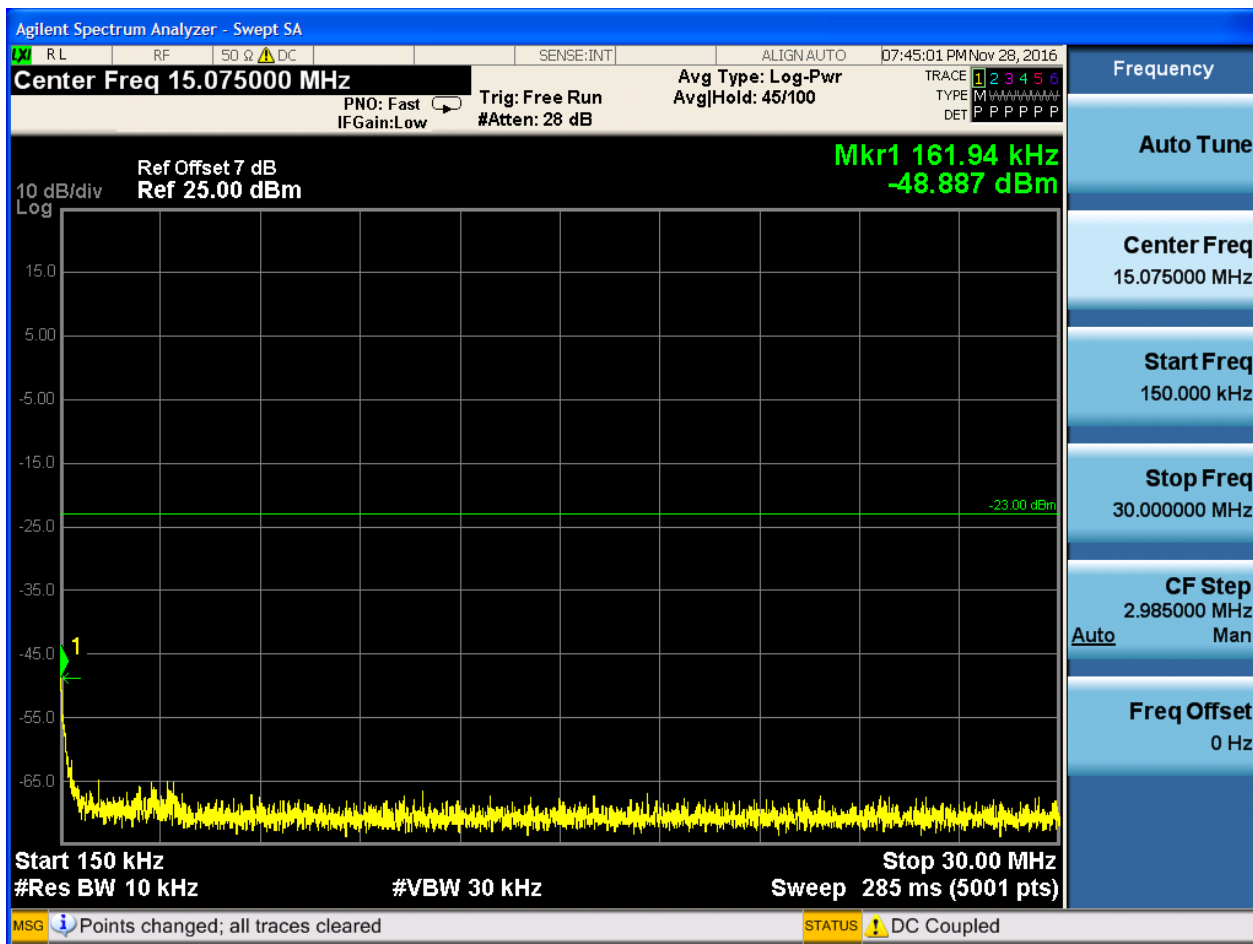


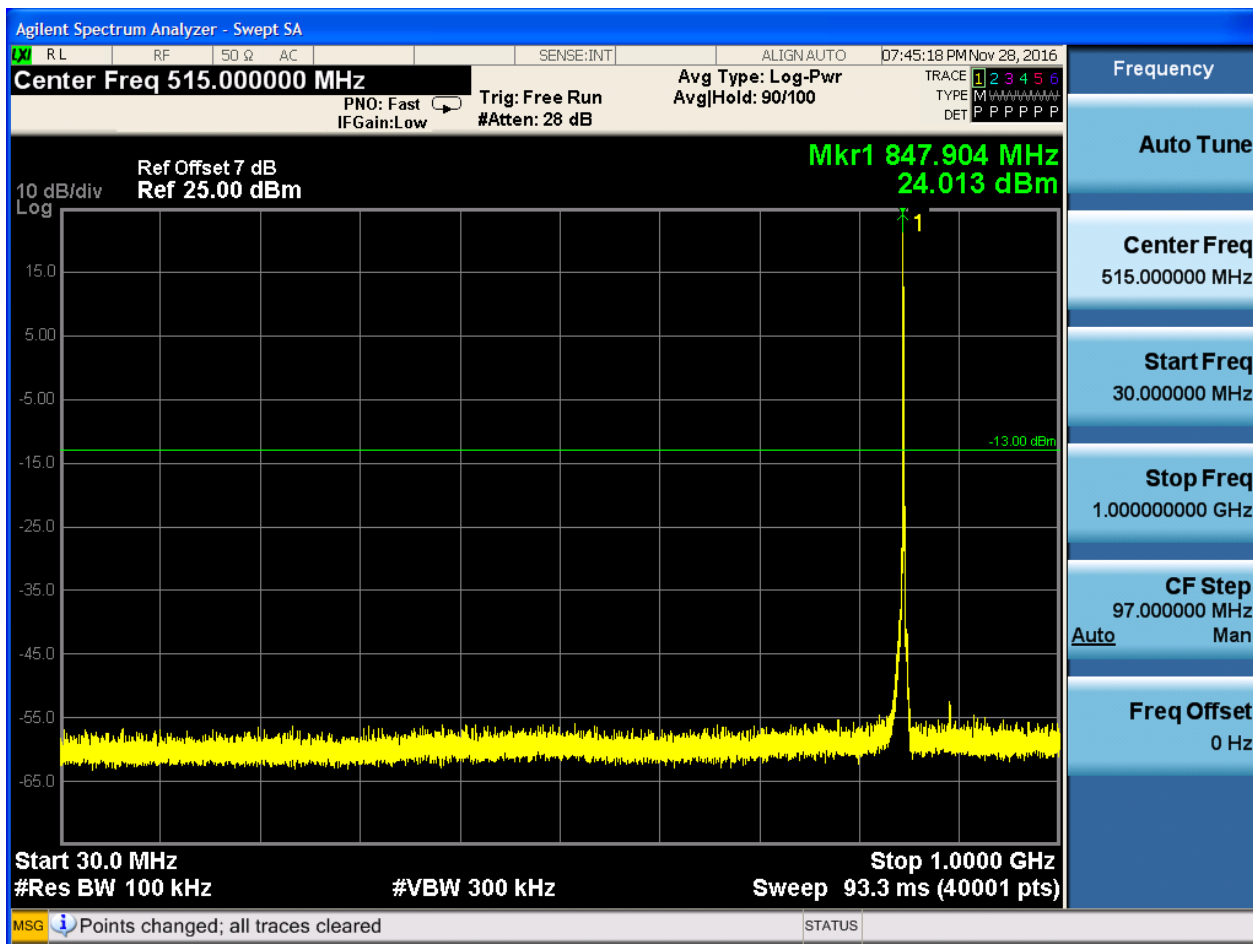


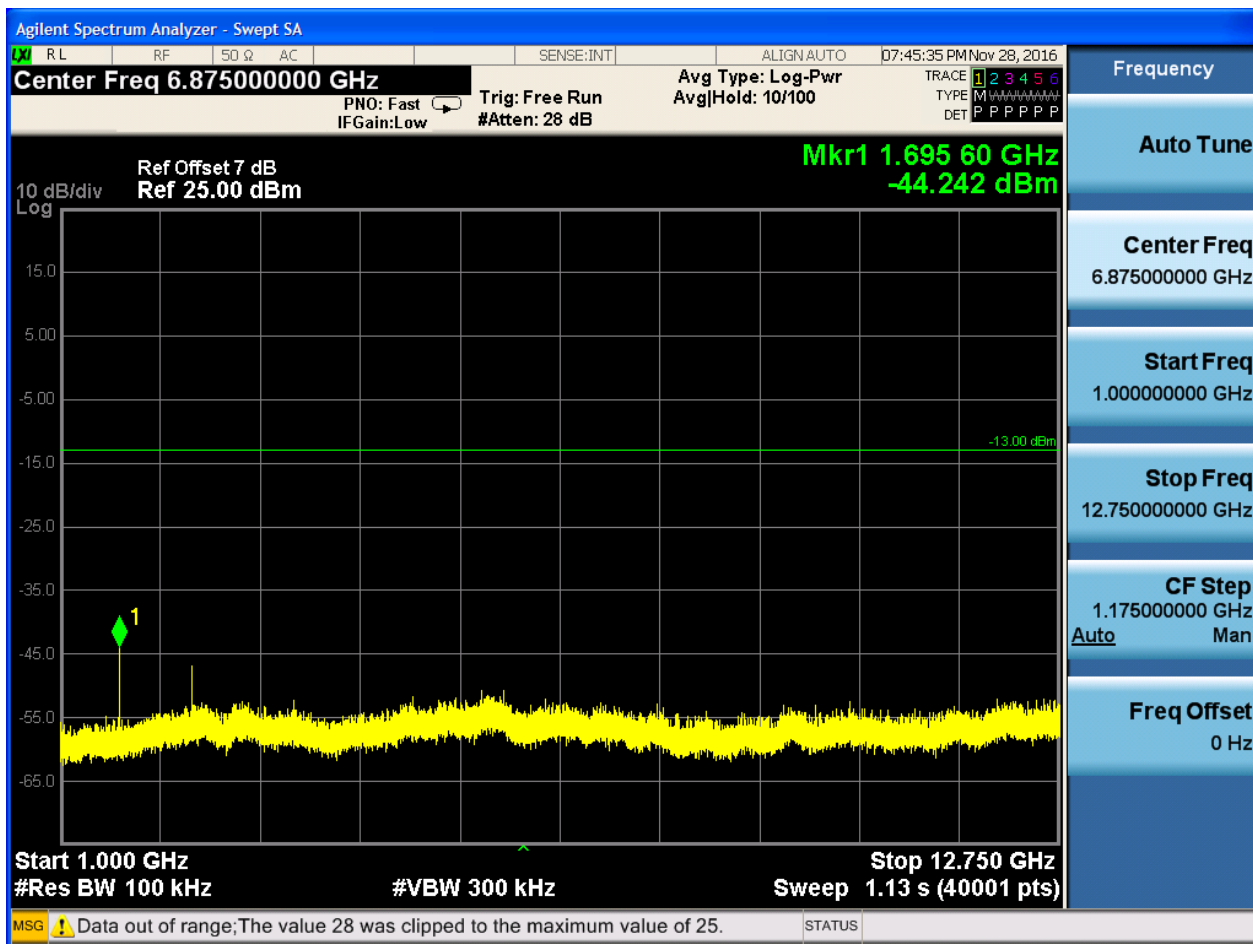
6.1.3.1.1.3 Test Channel = HCH

6.1.3.1.1.3.1 Test RB = RB1#0





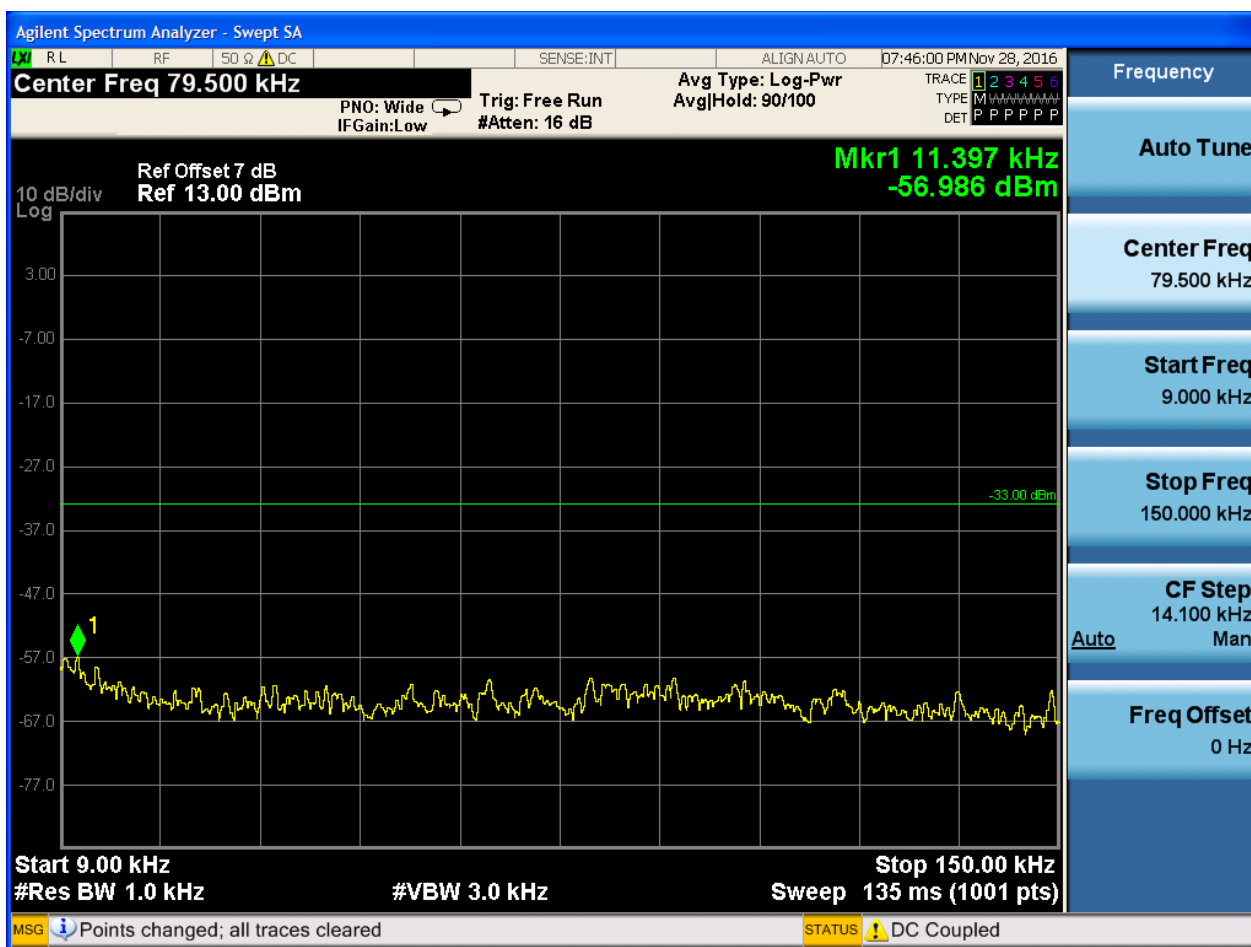




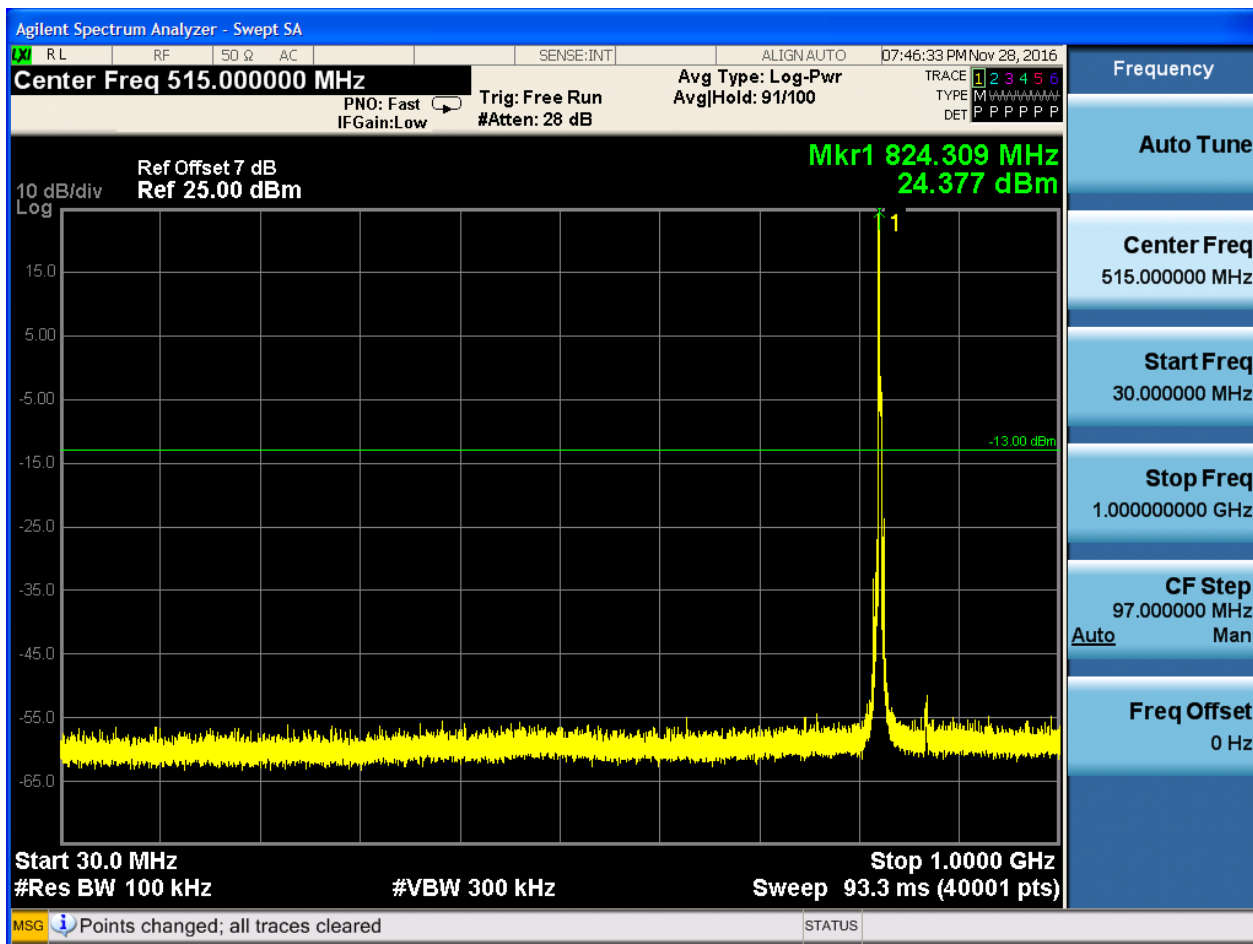
6.1.3.1.2 Test Bandwidth = 3

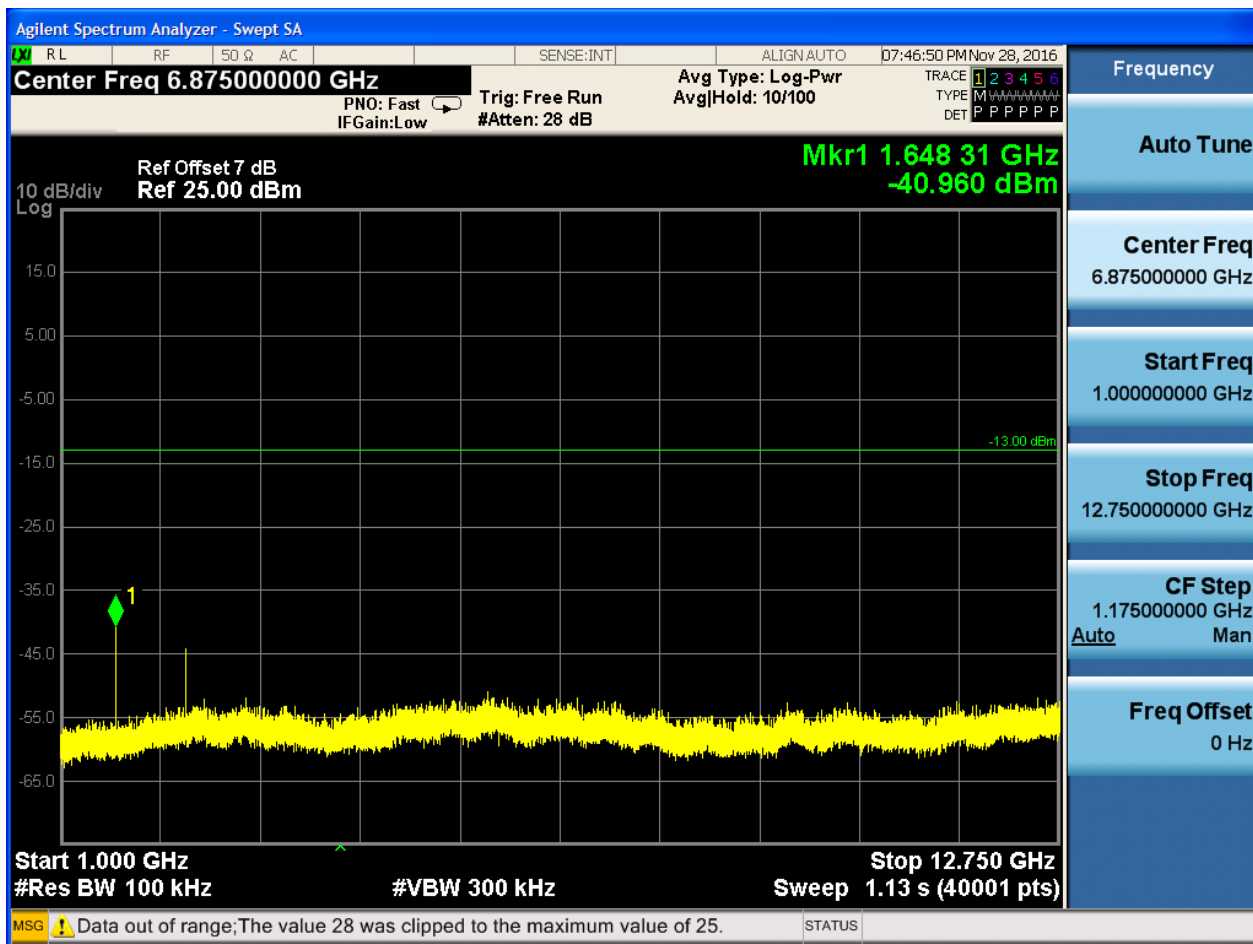
6.1.3.1.2.1 Test Channel = LCH

6.1.3.1.2.1.1 Test RB = RB1#0





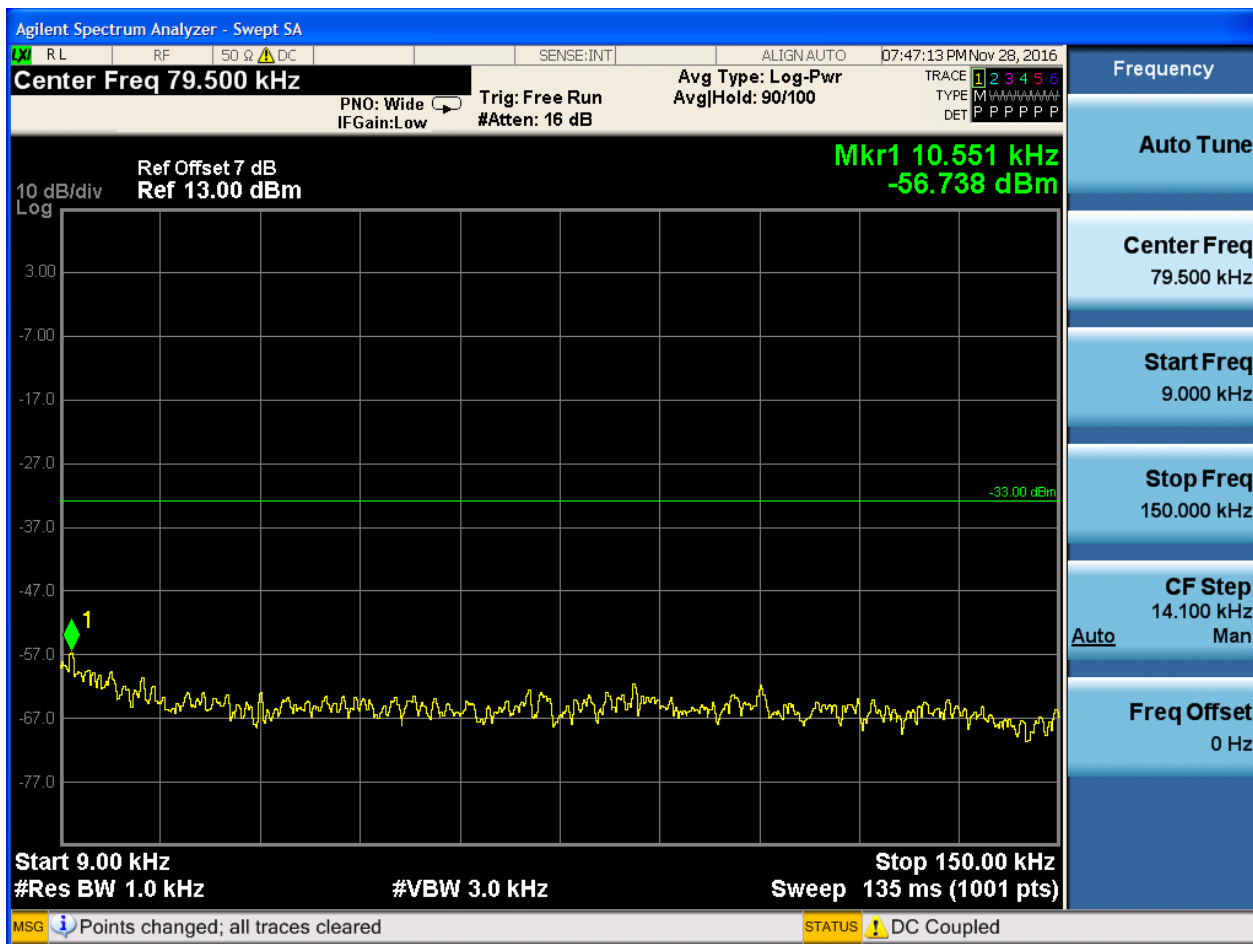




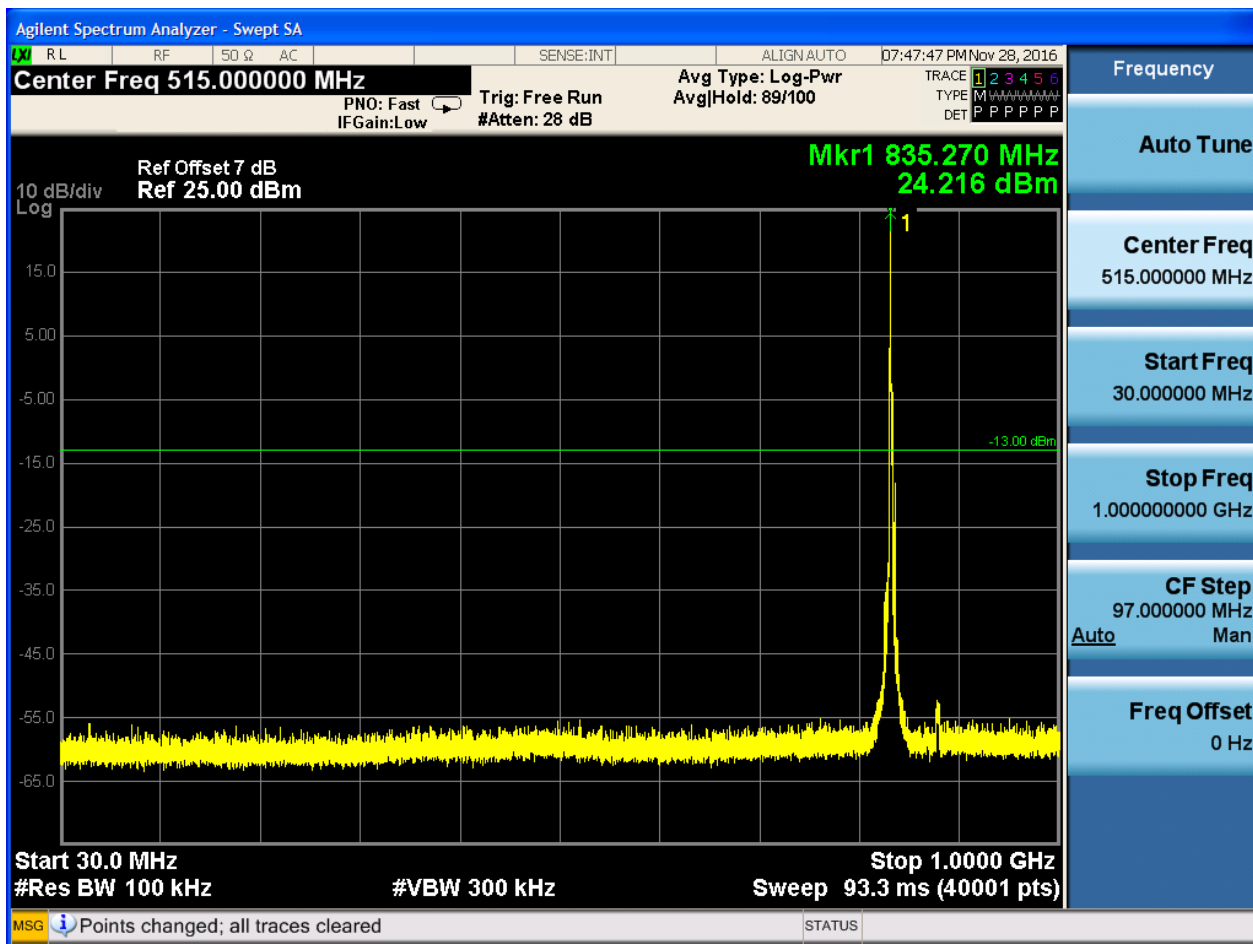


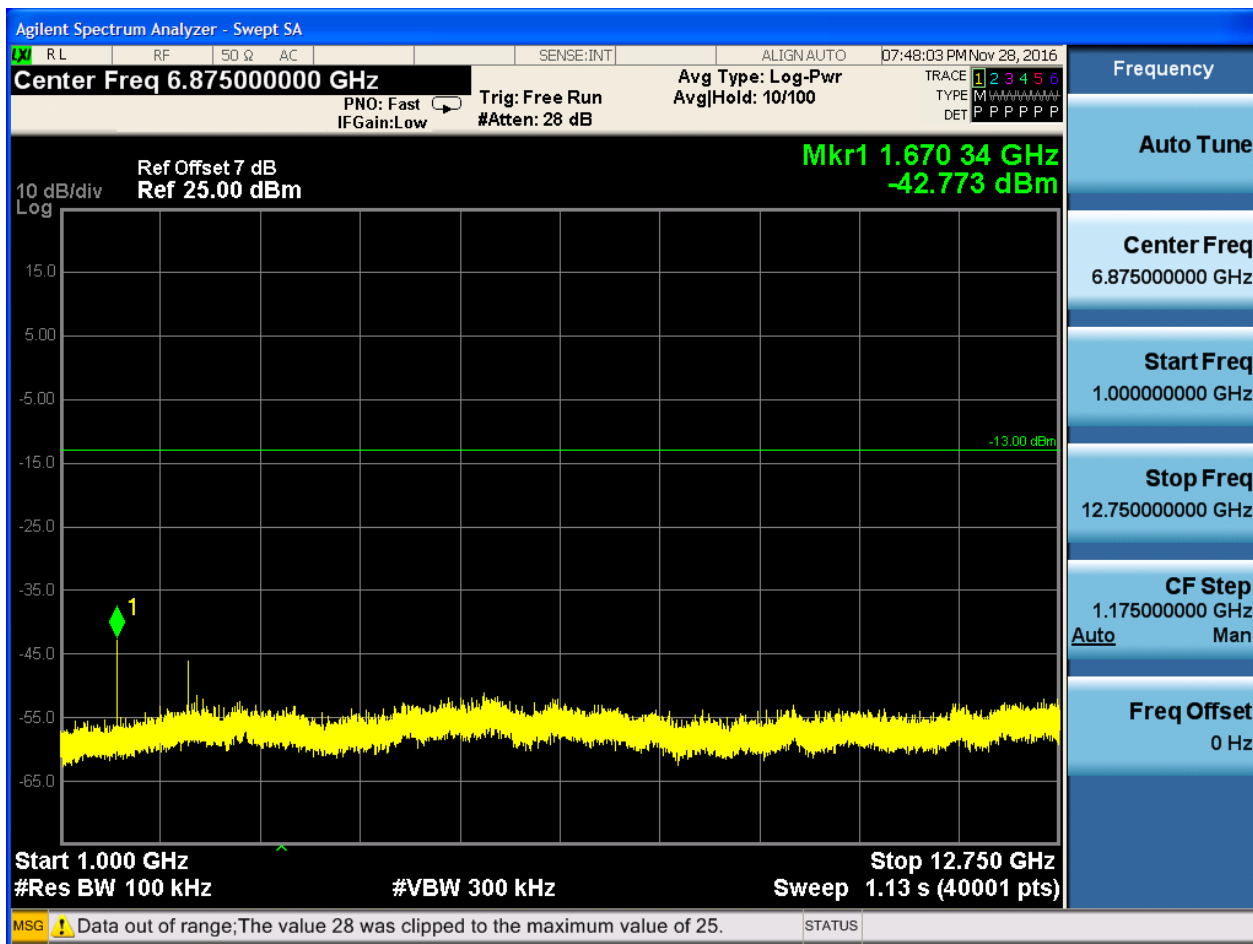
6.1.3.1.2.2 Test Channel = MCH

6.1.3.1.2.2.1 Test RB = RB1#0





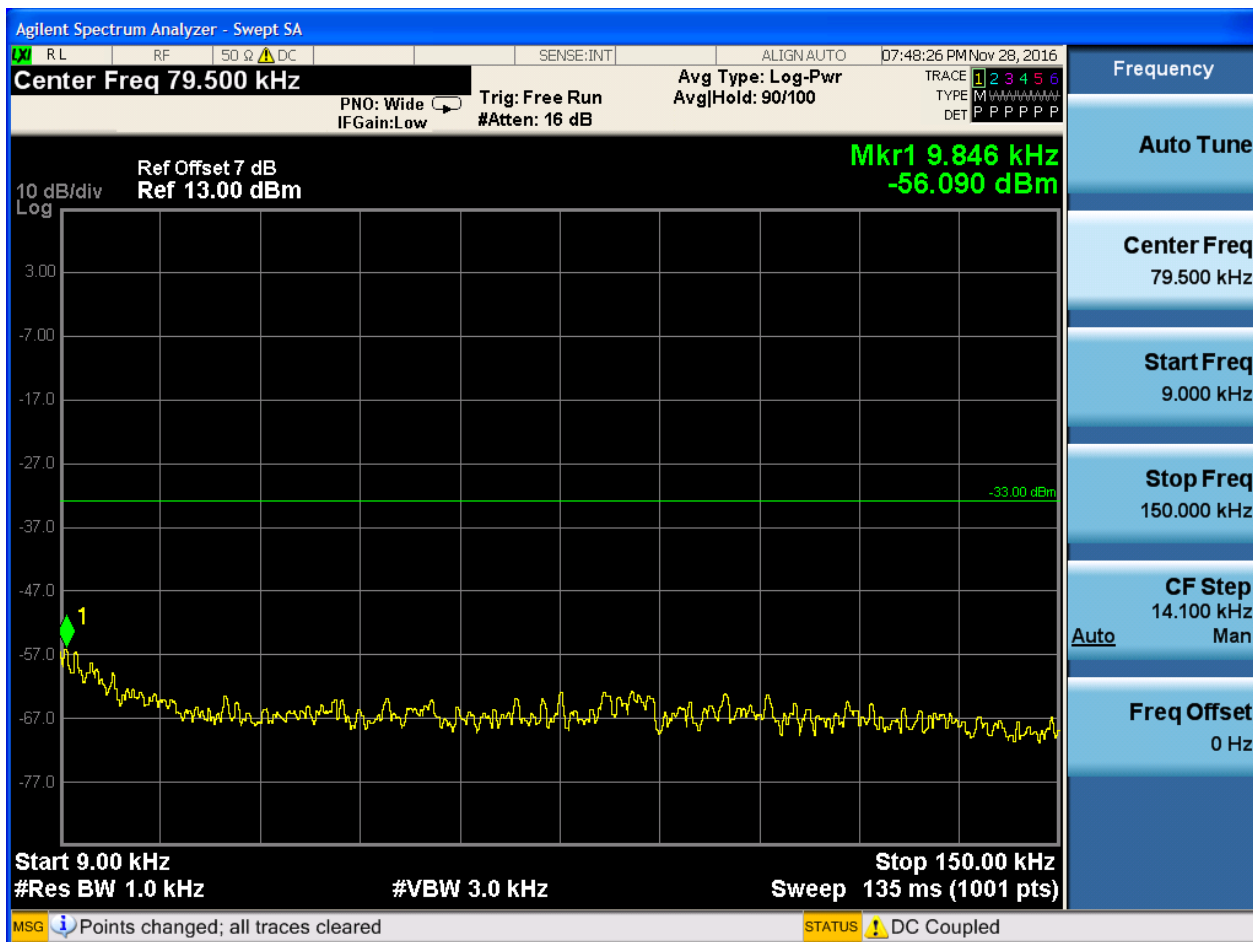


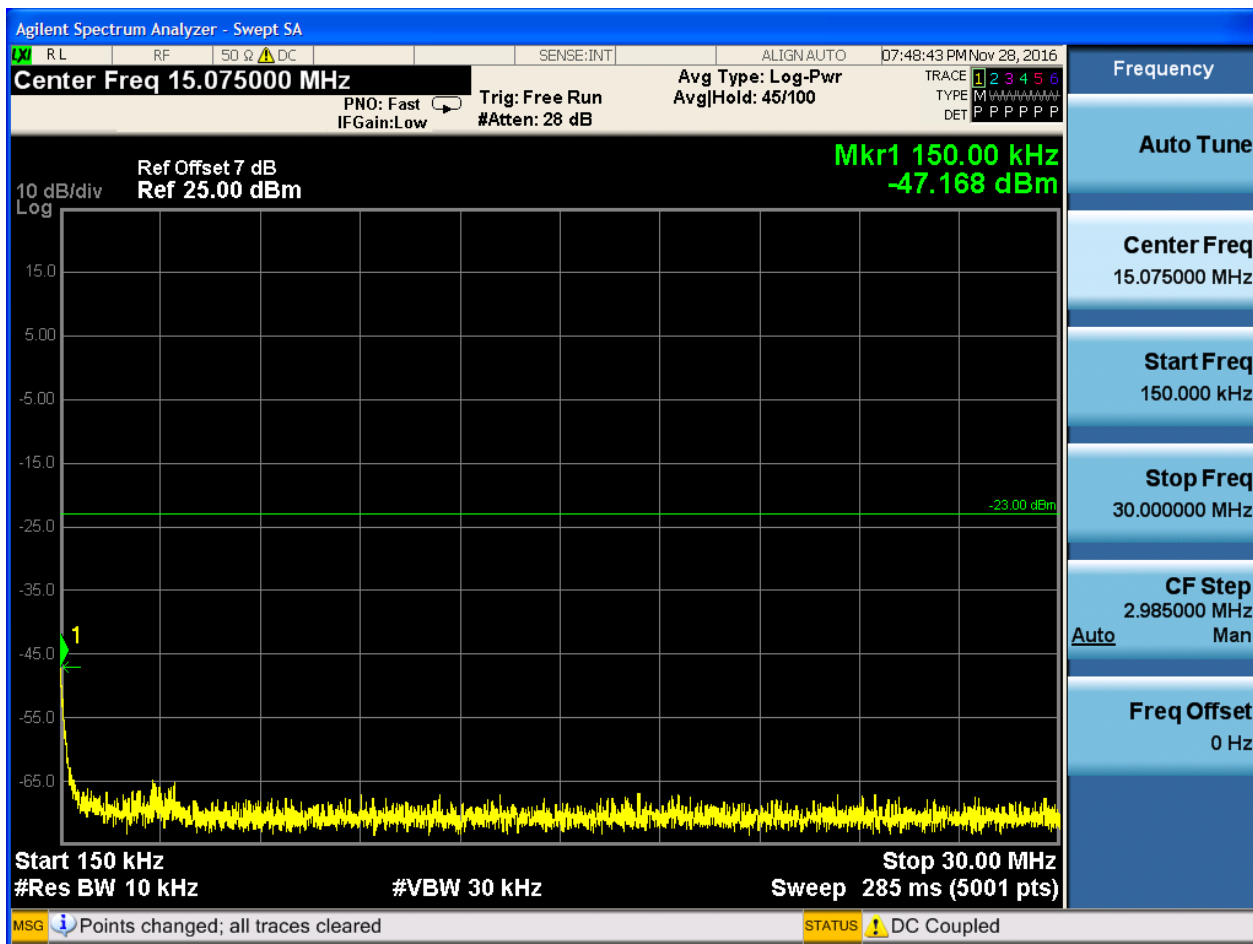


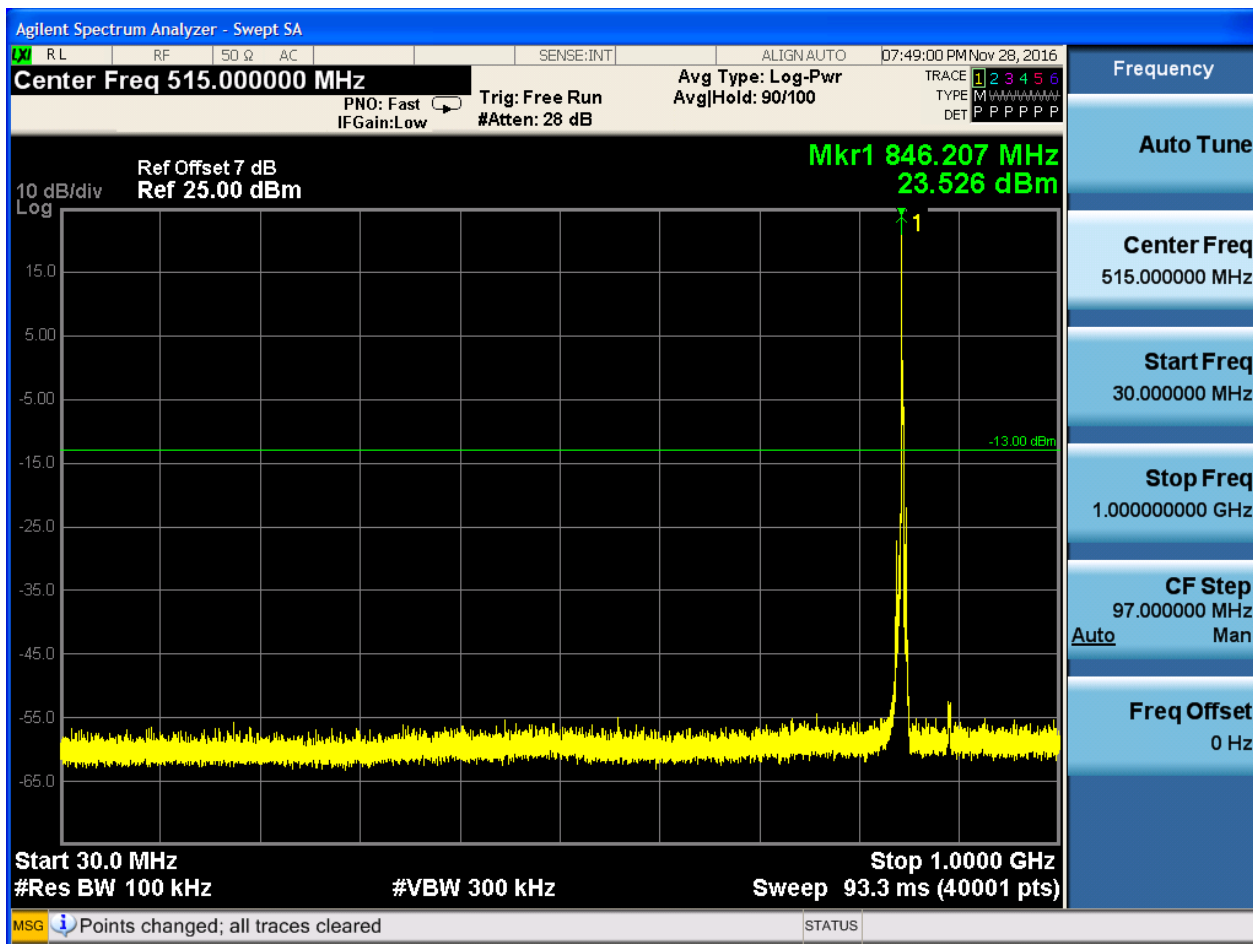


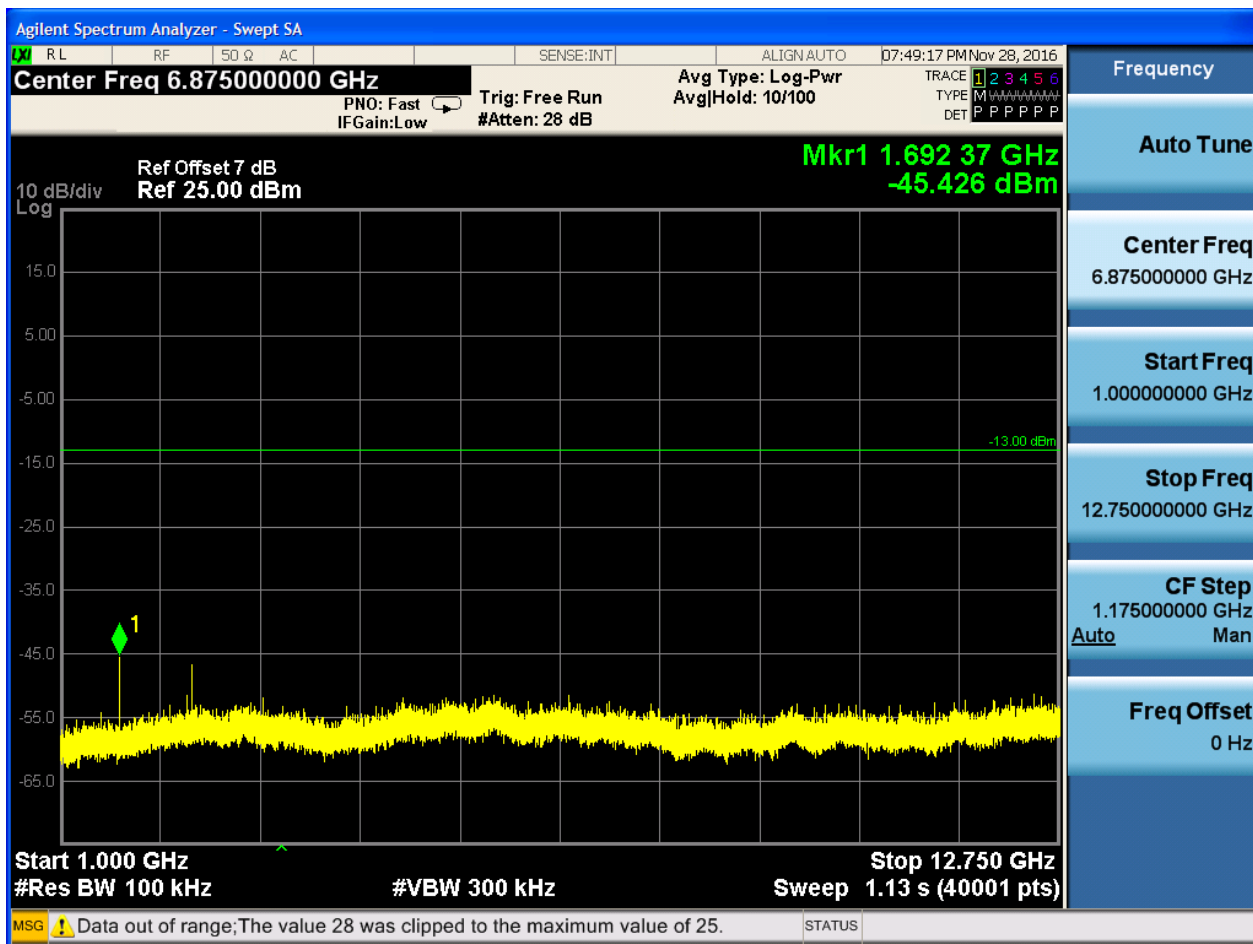
6.1.3.1.2.3 Test Channel = HCH

6.1.3.1.2.3.1 Test RB = RB1#0





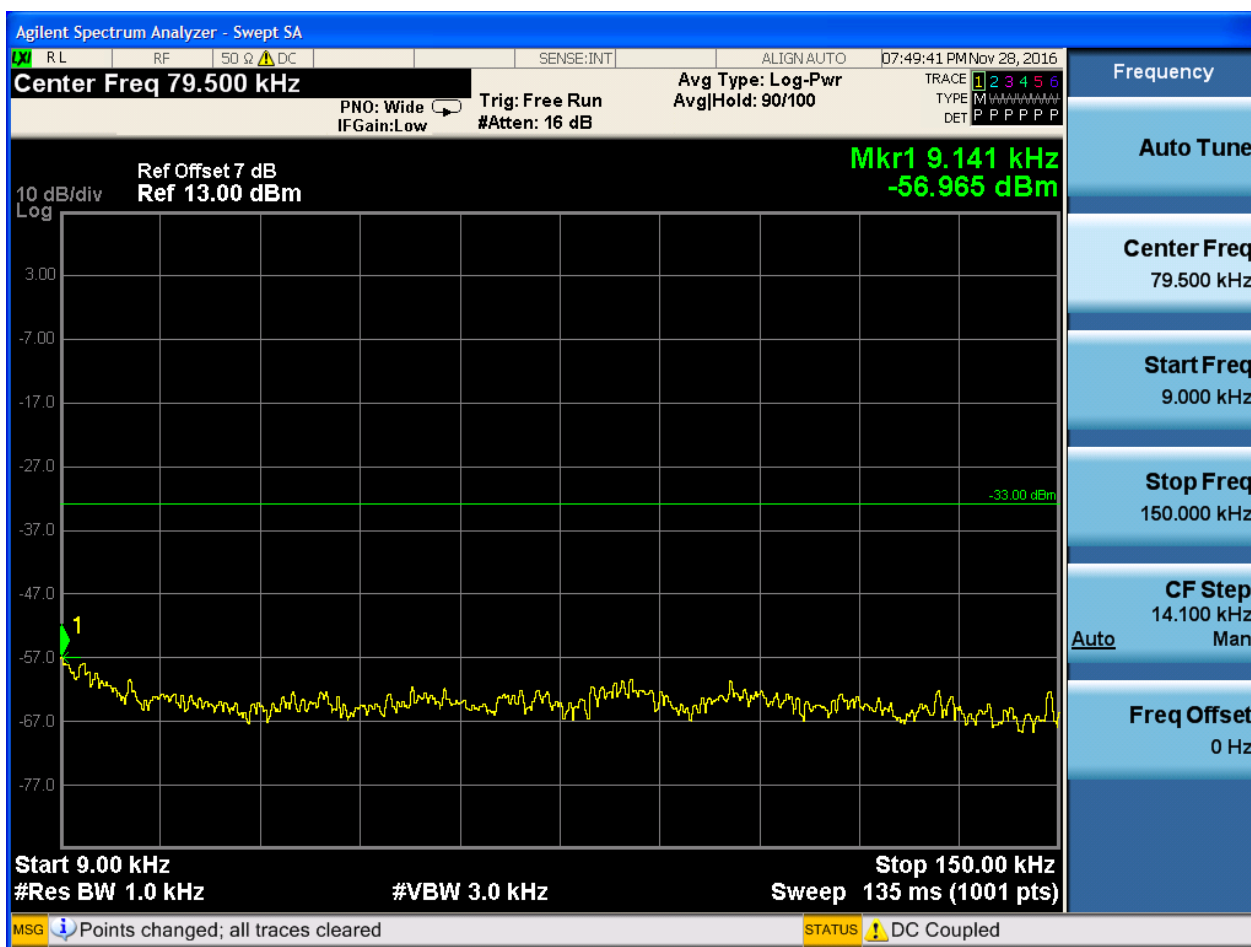




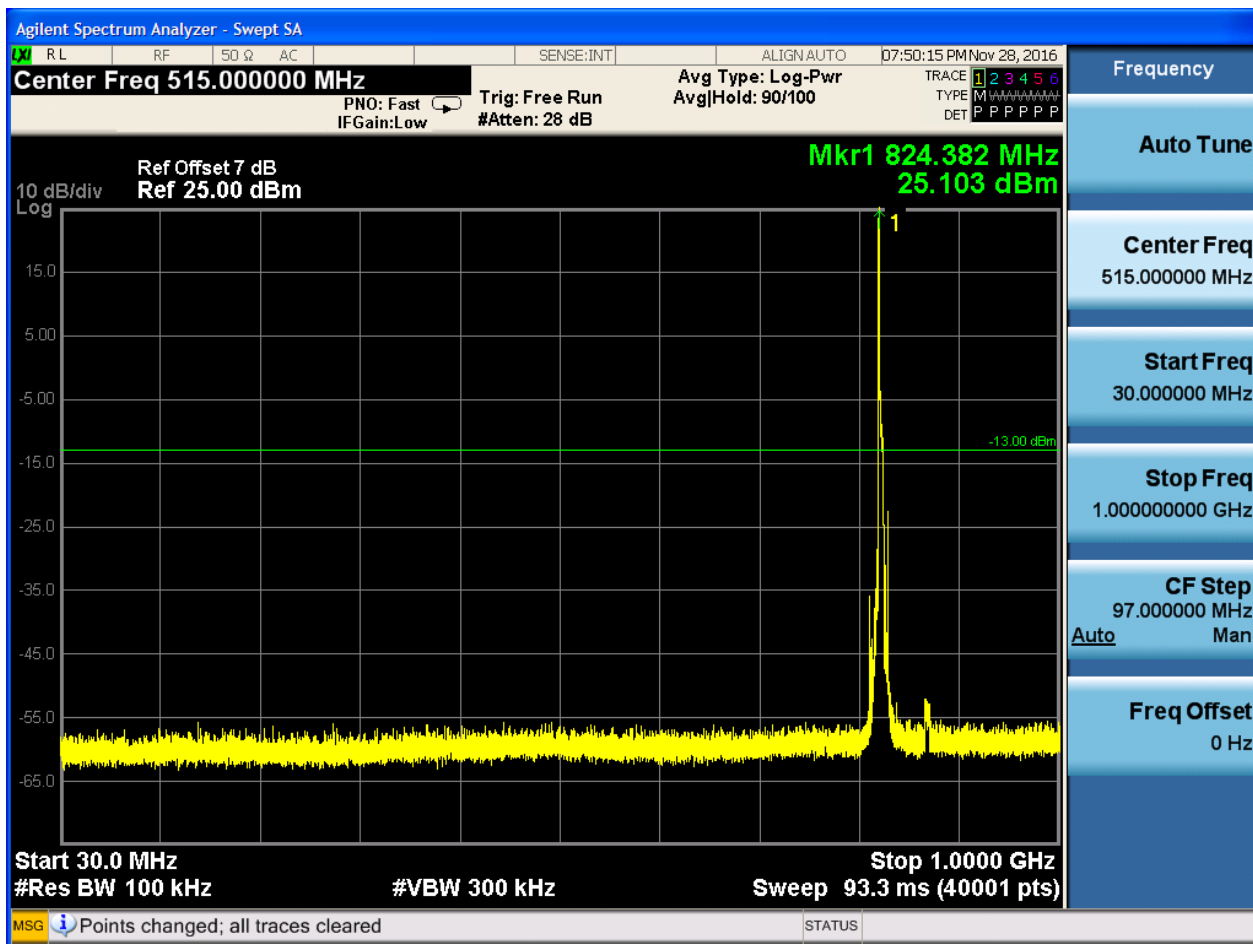
6.1.3.1.3 Test Bandwidth = 5

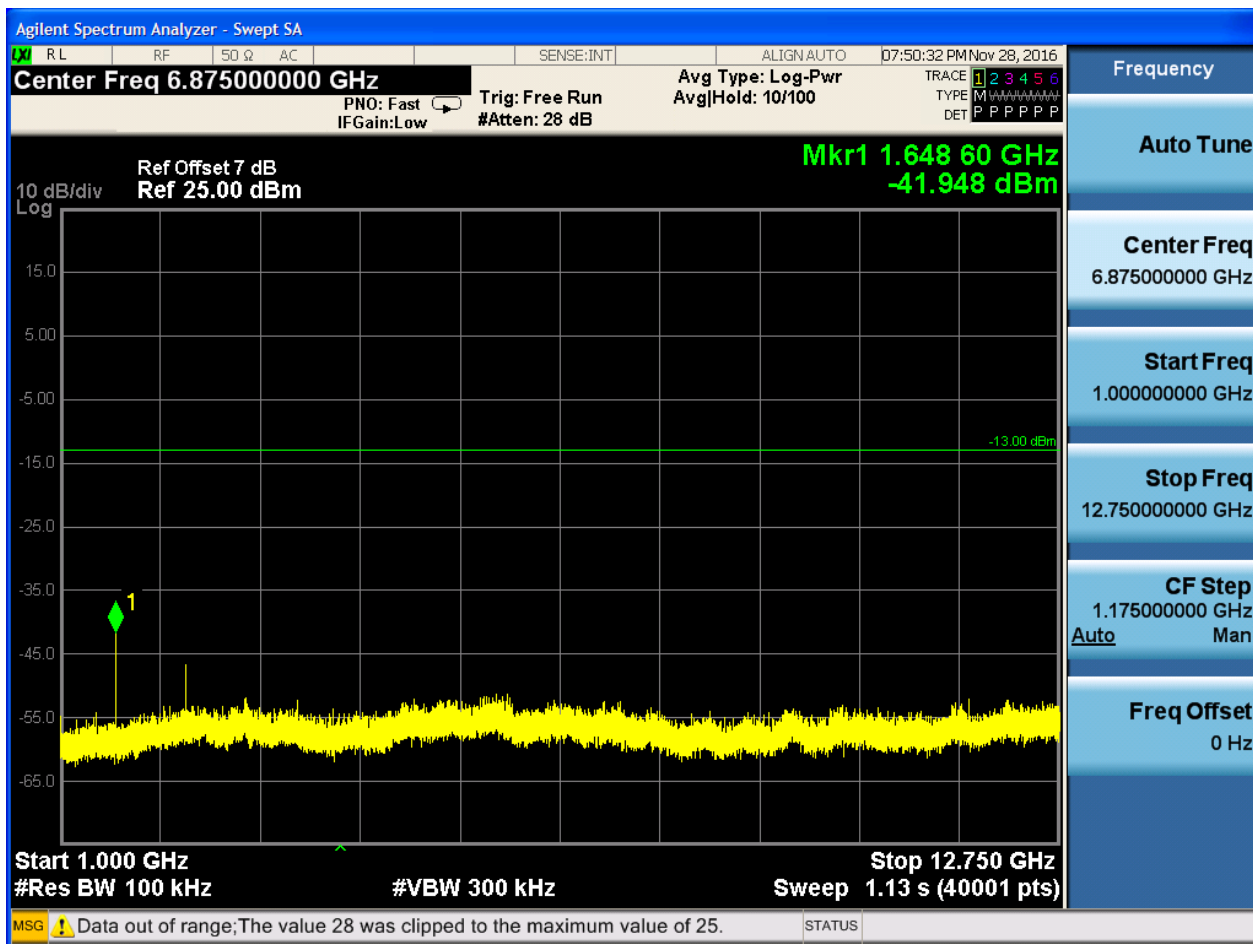
6.1.3.1.3.1 Test Channel = LCH

6.1.3.1.3.1.1 Test RB = RB1#0





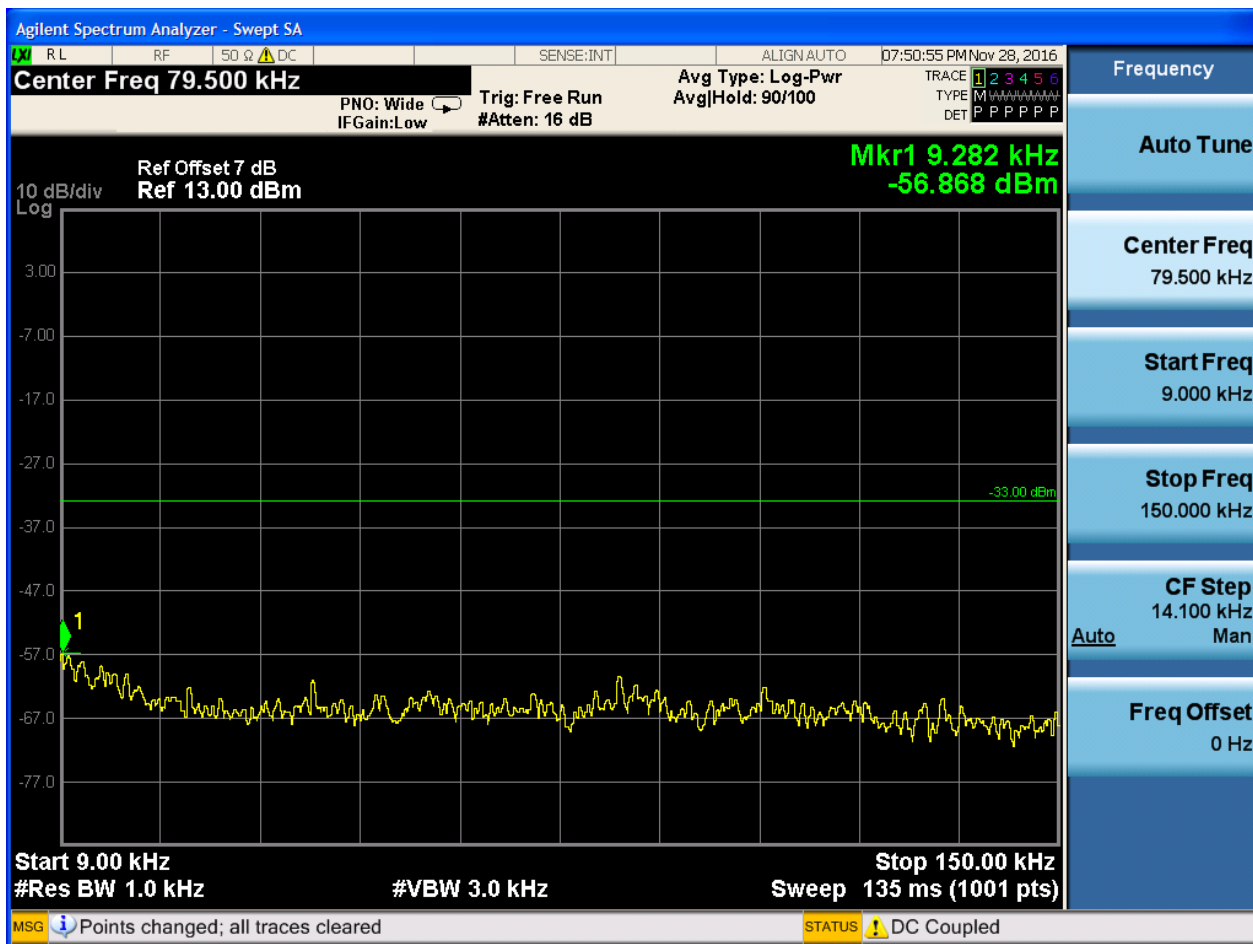


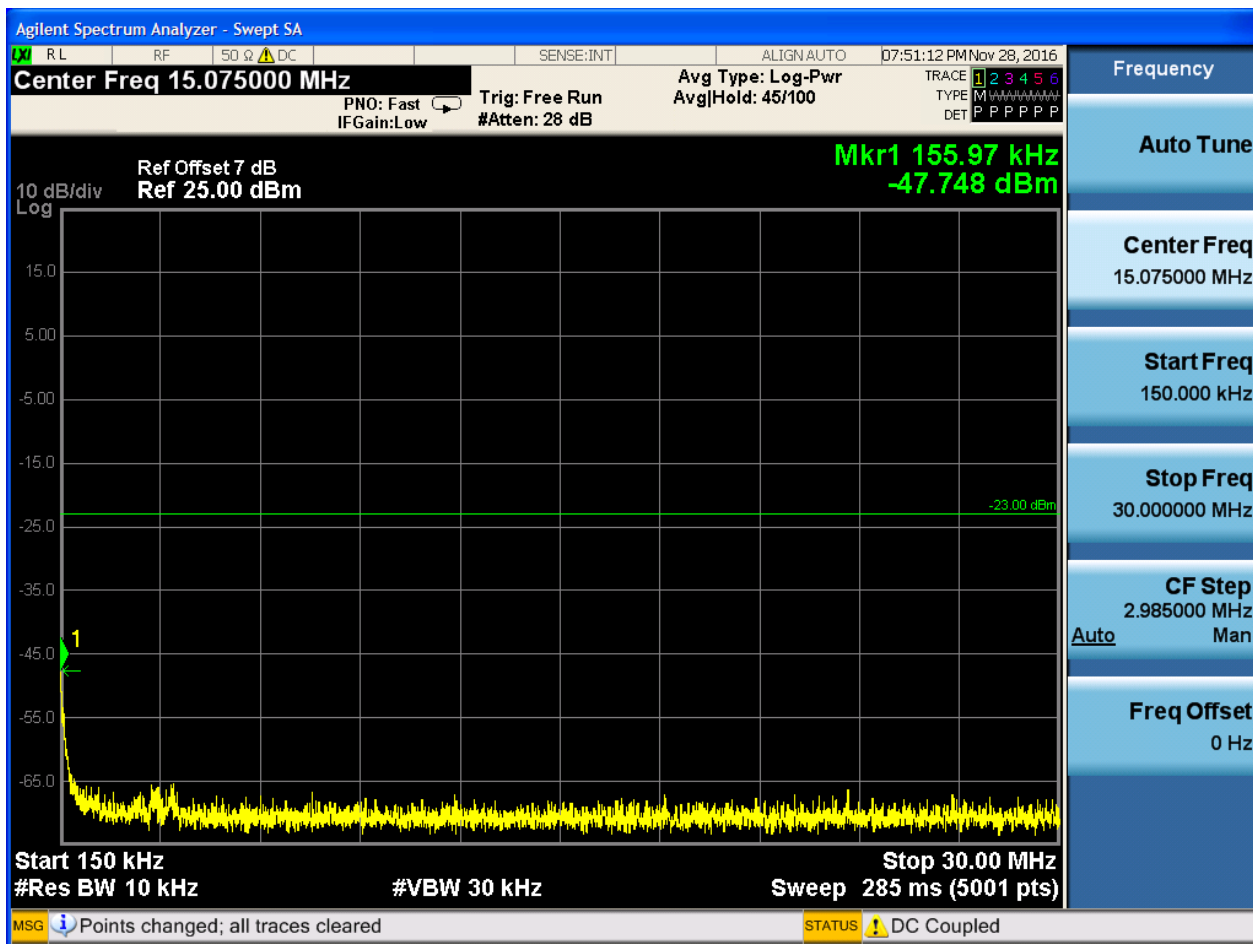


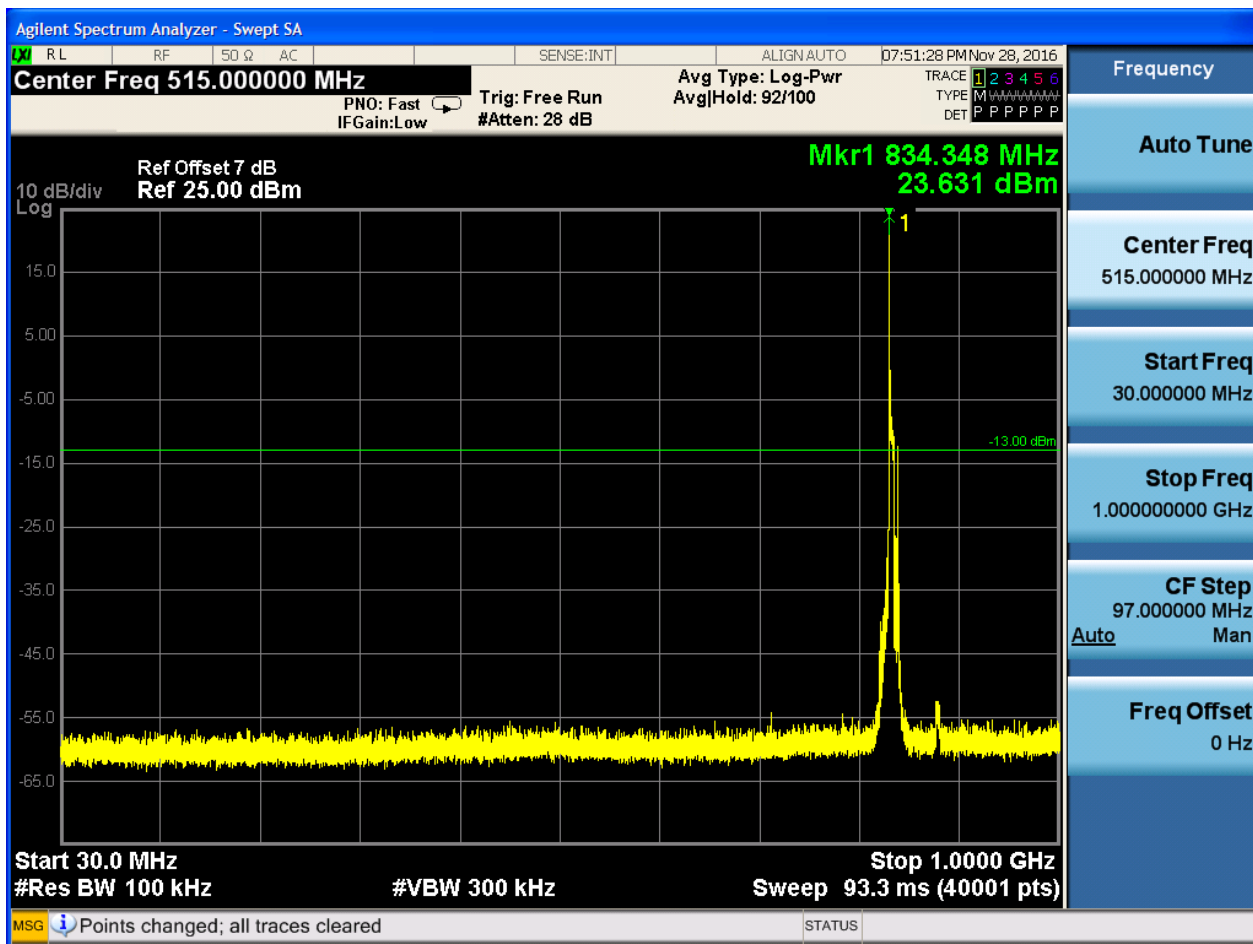


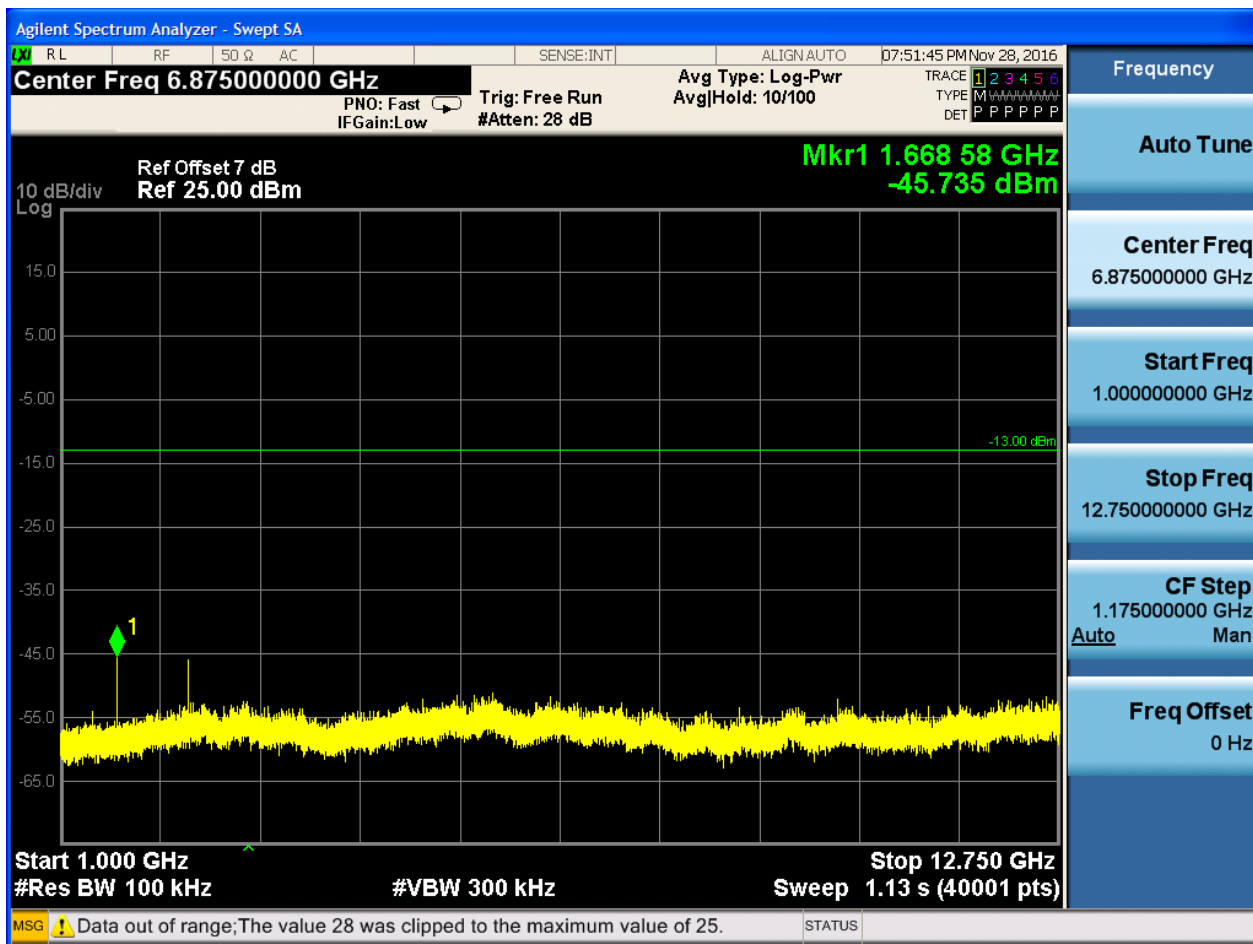
6.1.3.1.3.2 Test Channel = MCH

6.1.3.1.3.2.1 Test RB = RB1#0





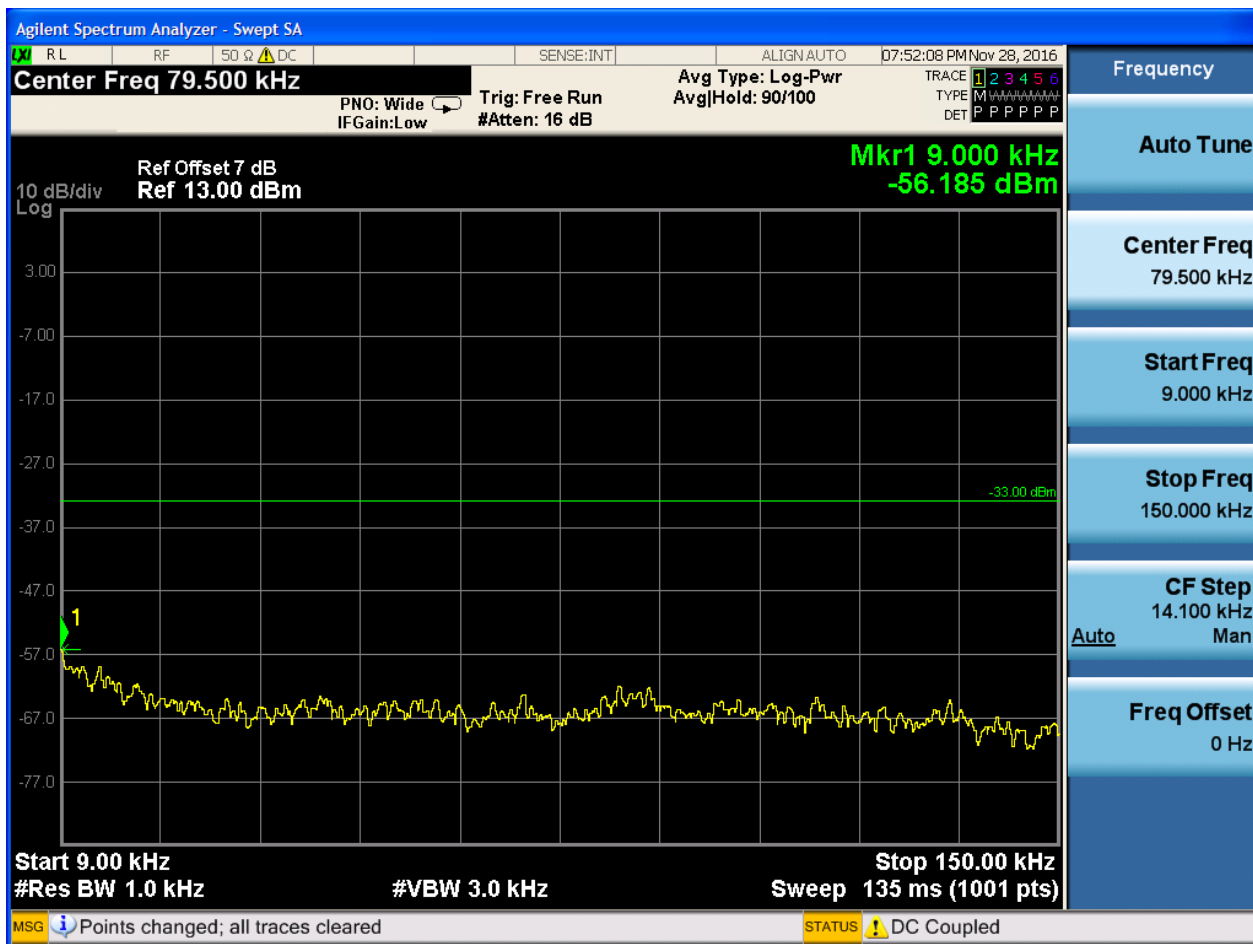


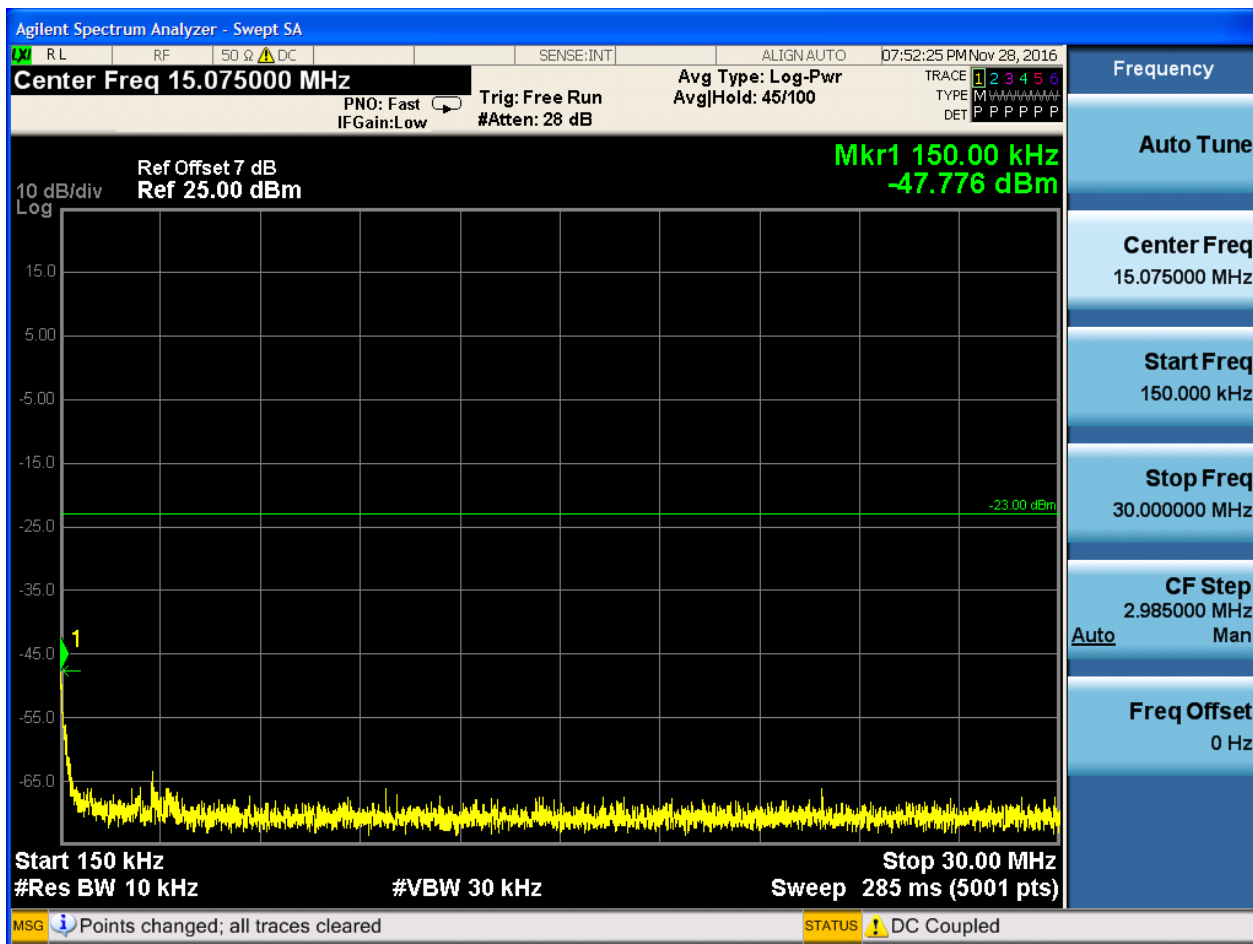


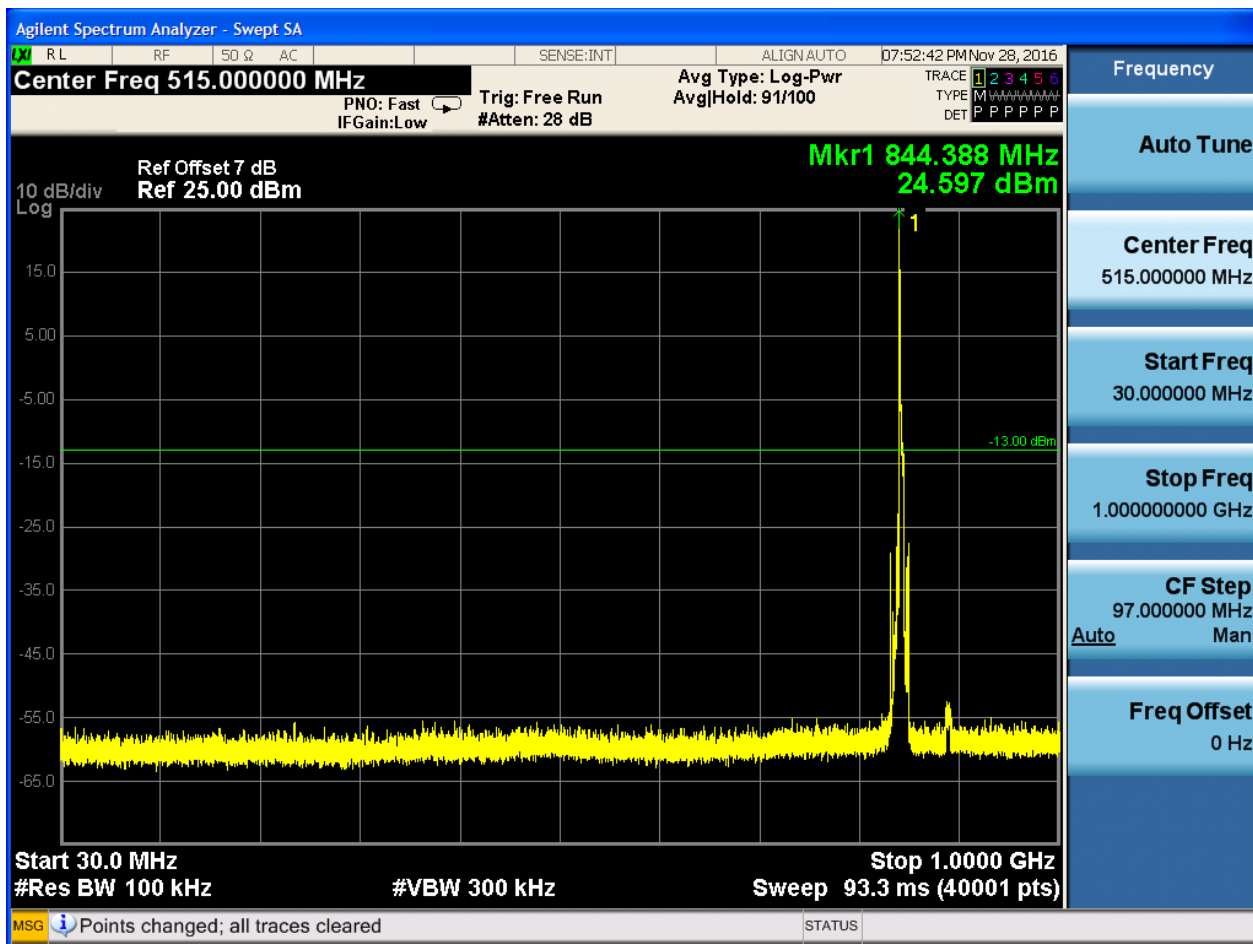


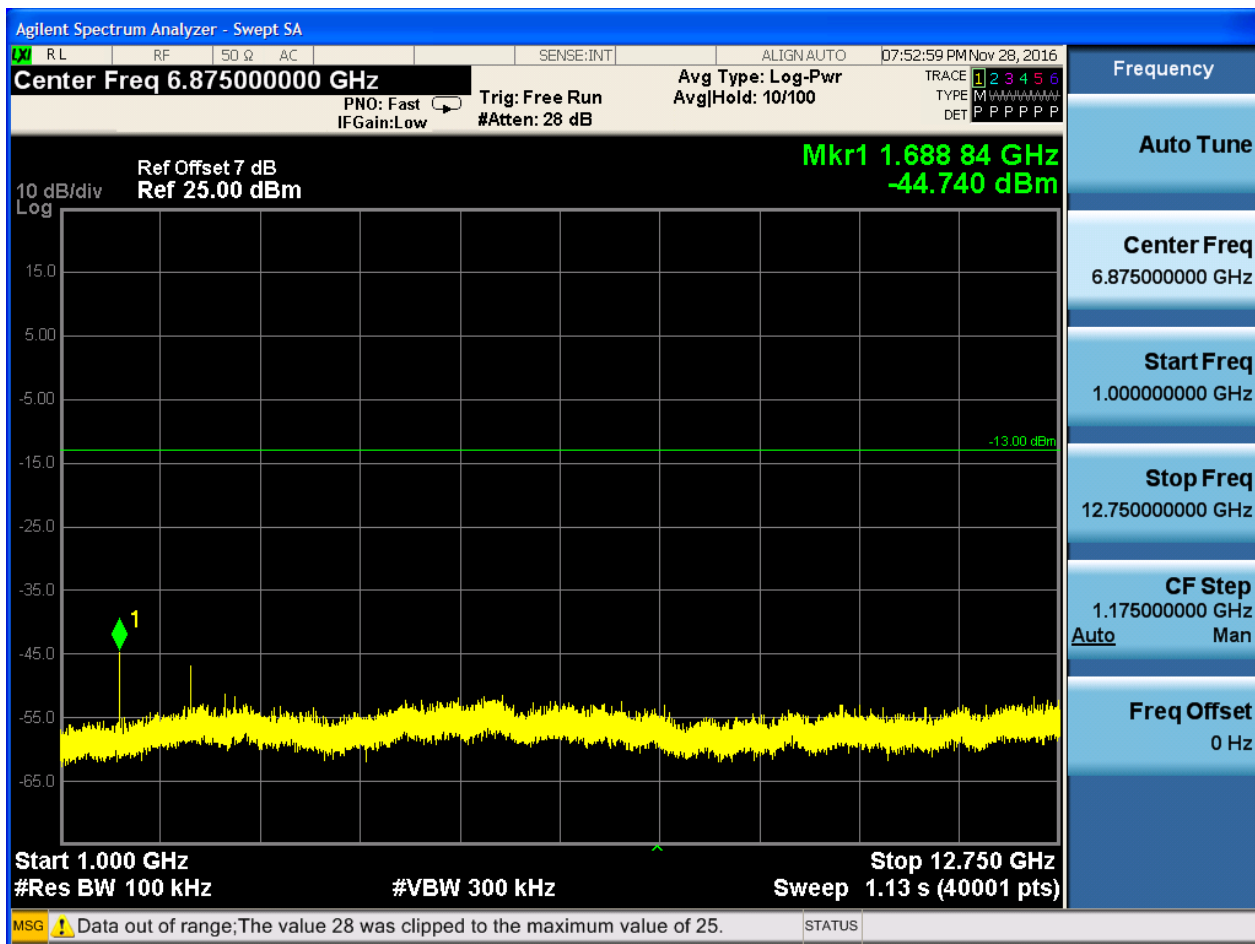
6.1.3.1.3.3 Test Channel = HCH

6.1.3.1.3.3.1 Test RB = RB1#0





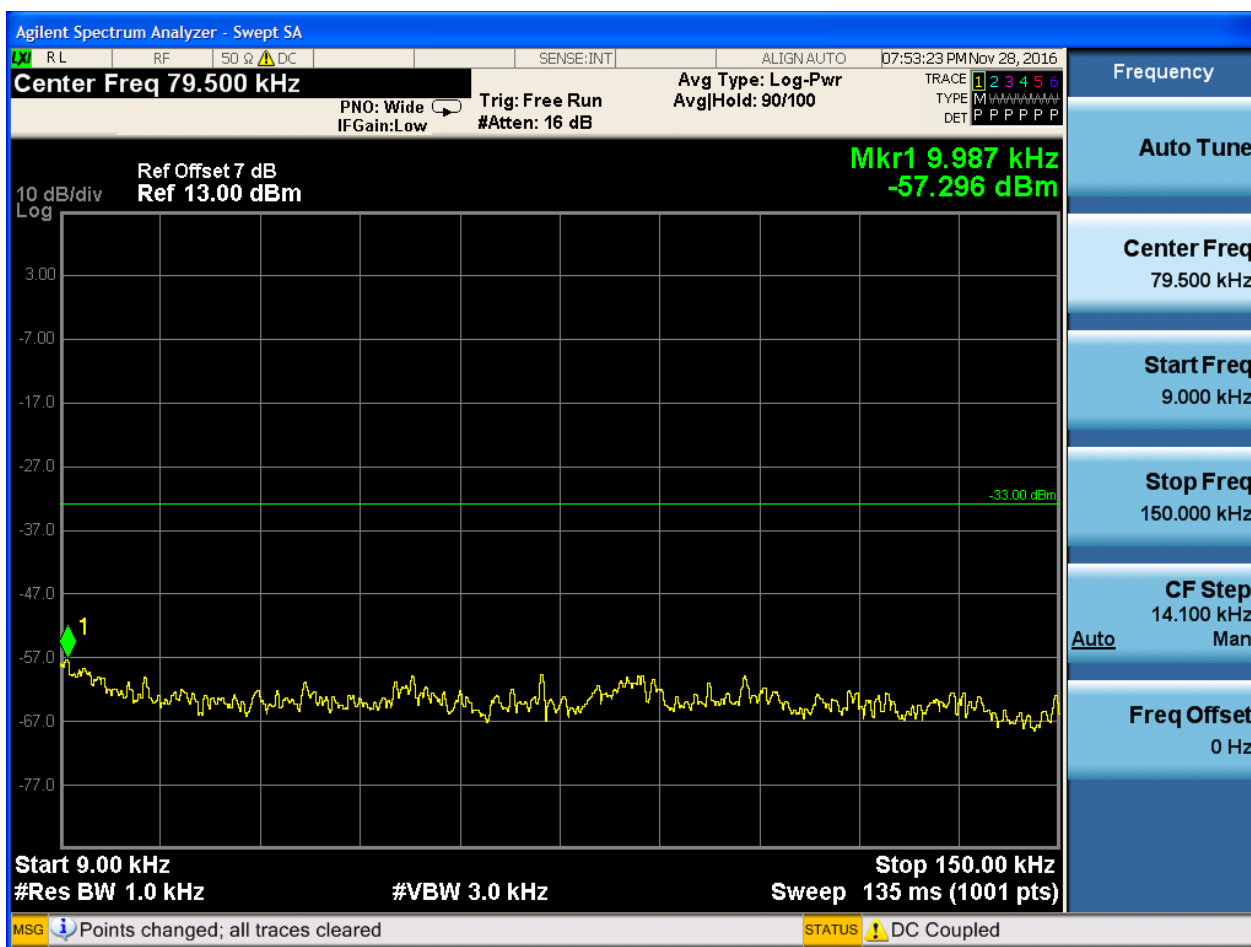


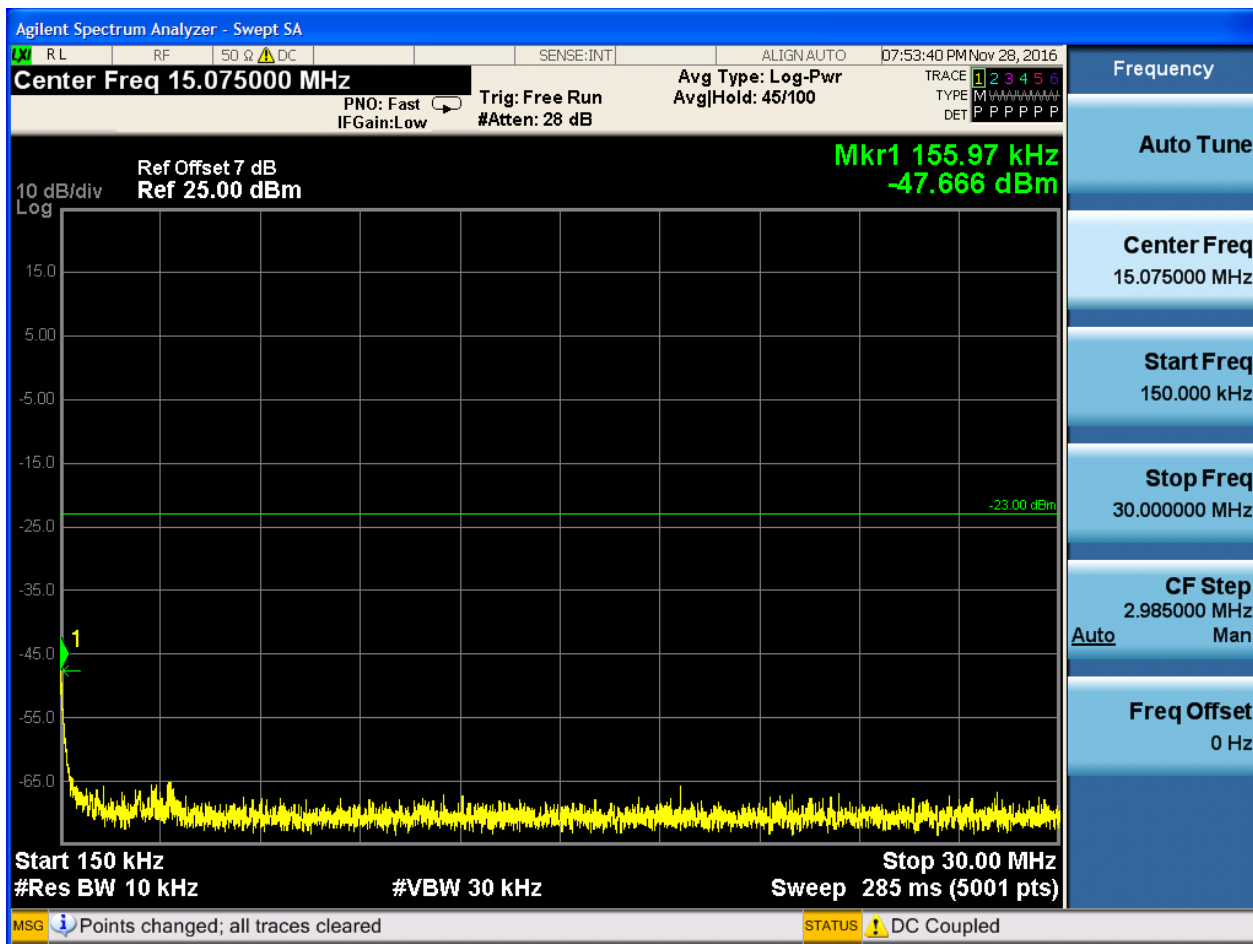


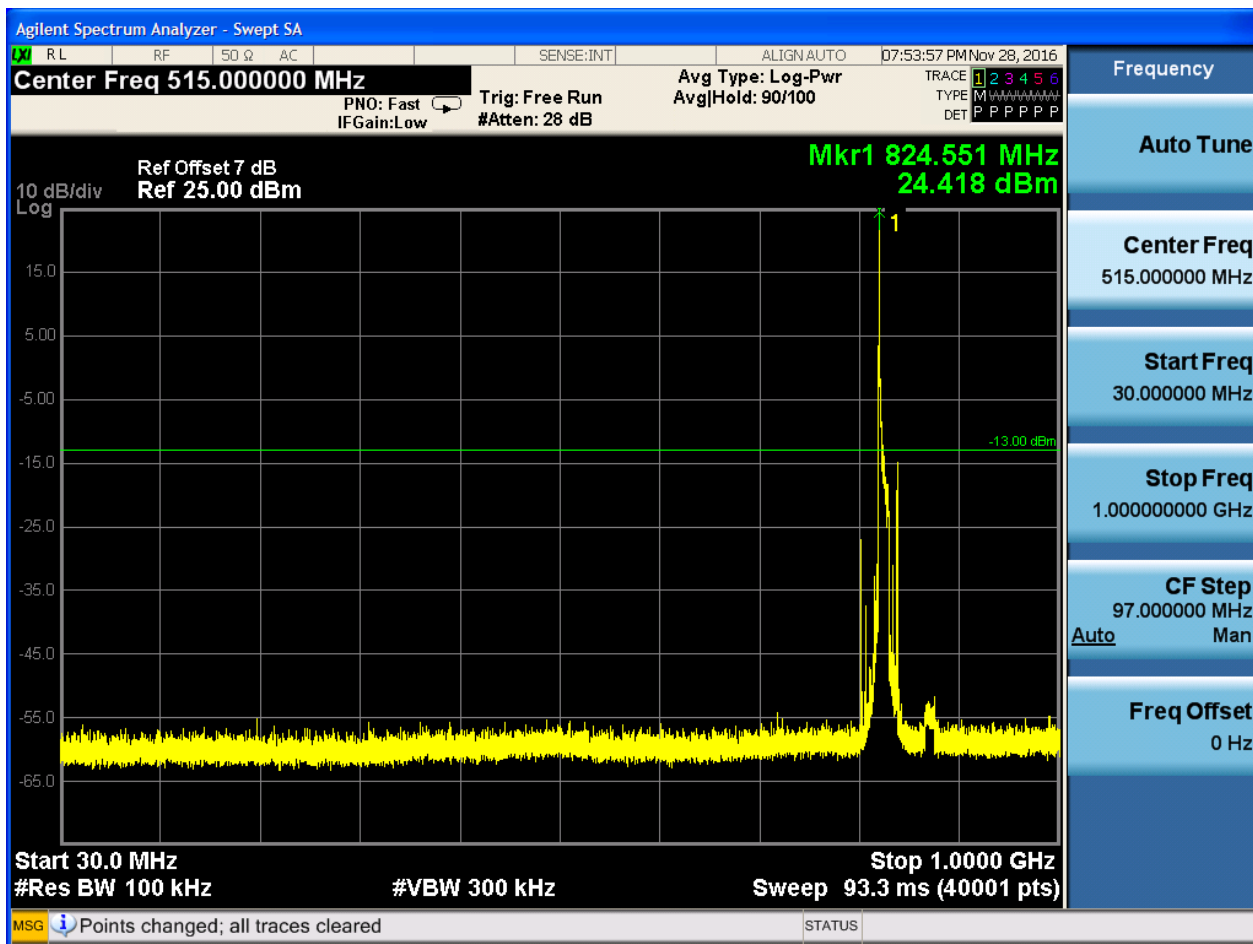
6.1.3.1.4 Test Bandwidth = 10

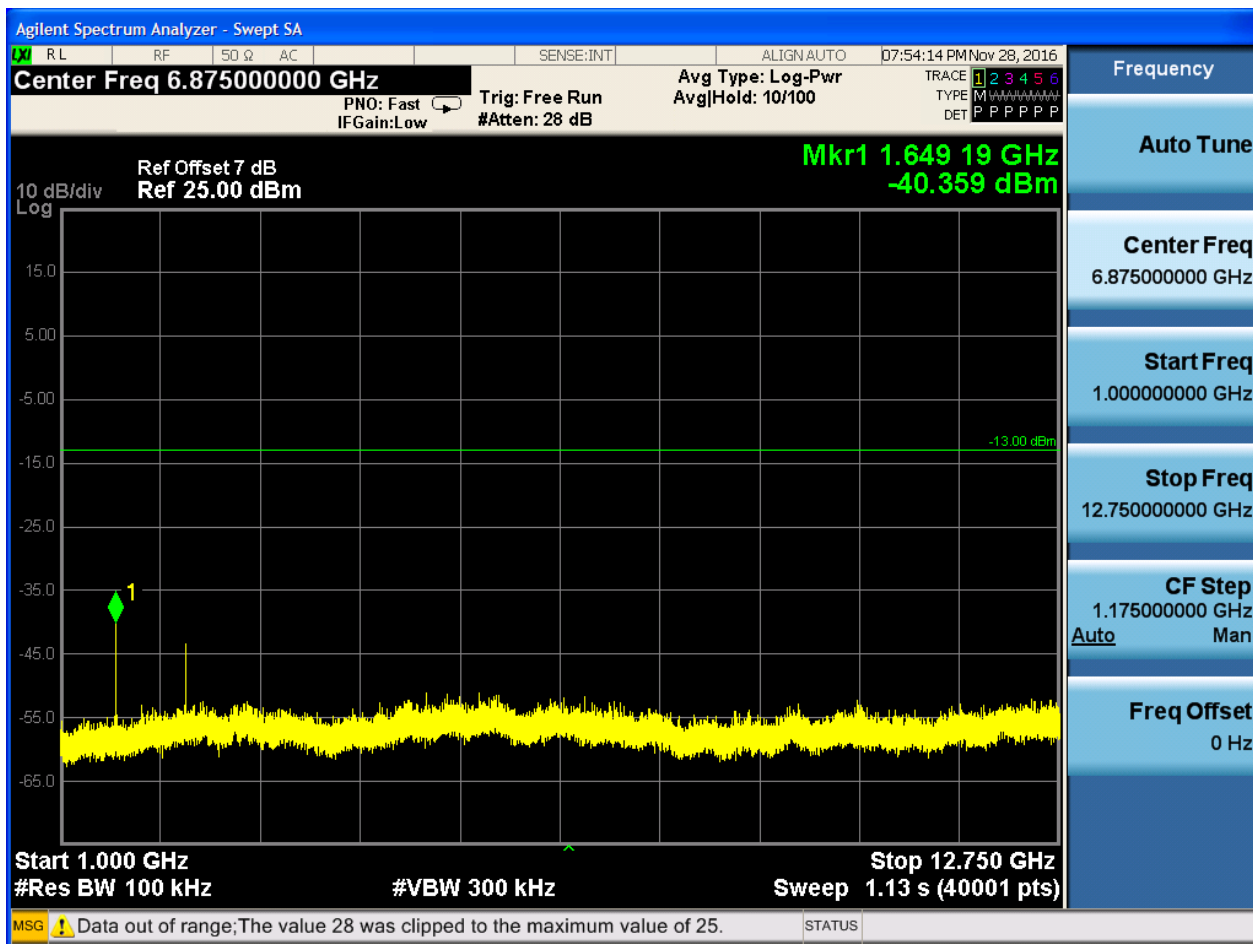
6.1.3.1.4.1 Test Channel = LCH

6.1.3.1.4.1.1 Test RB = RB1#0





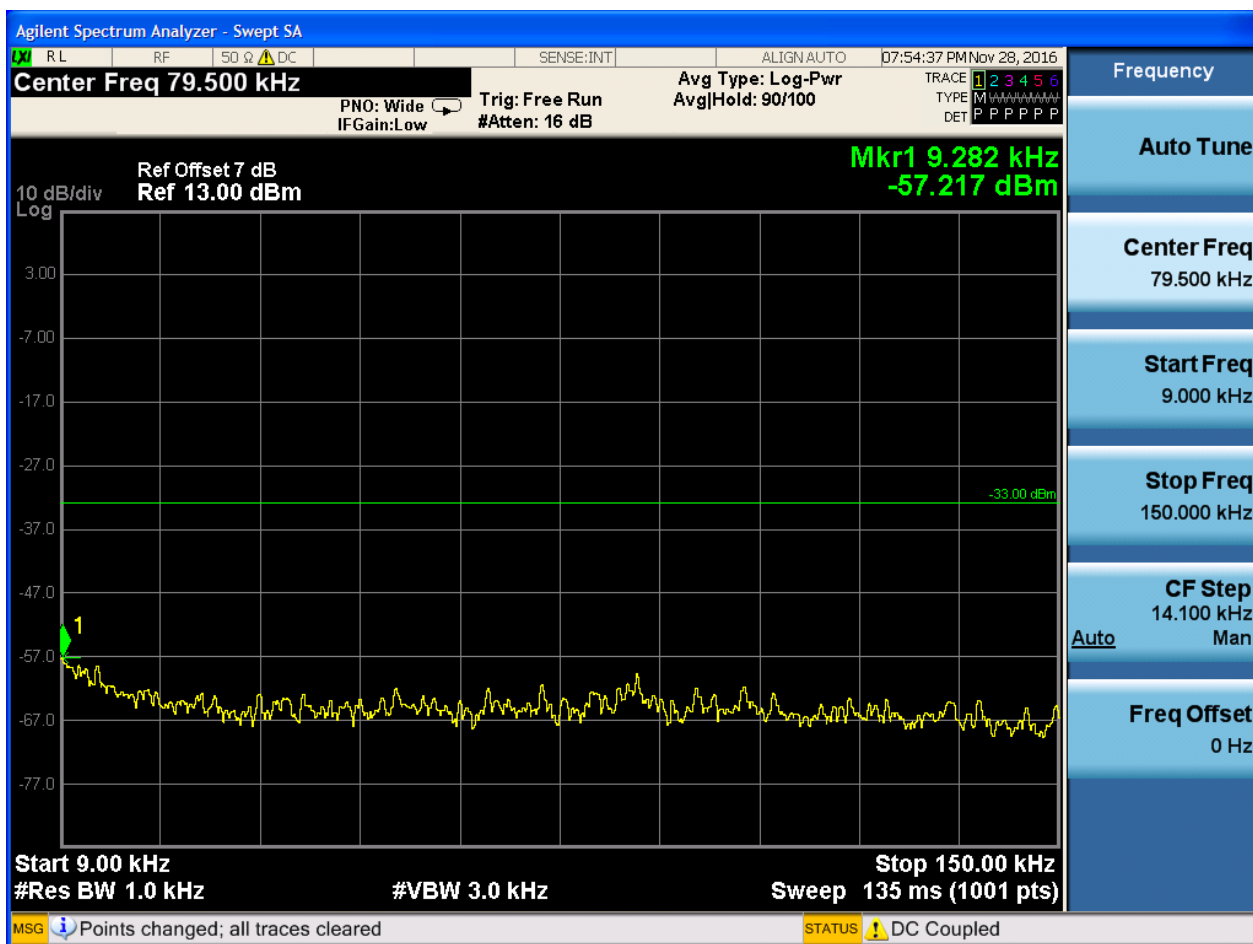




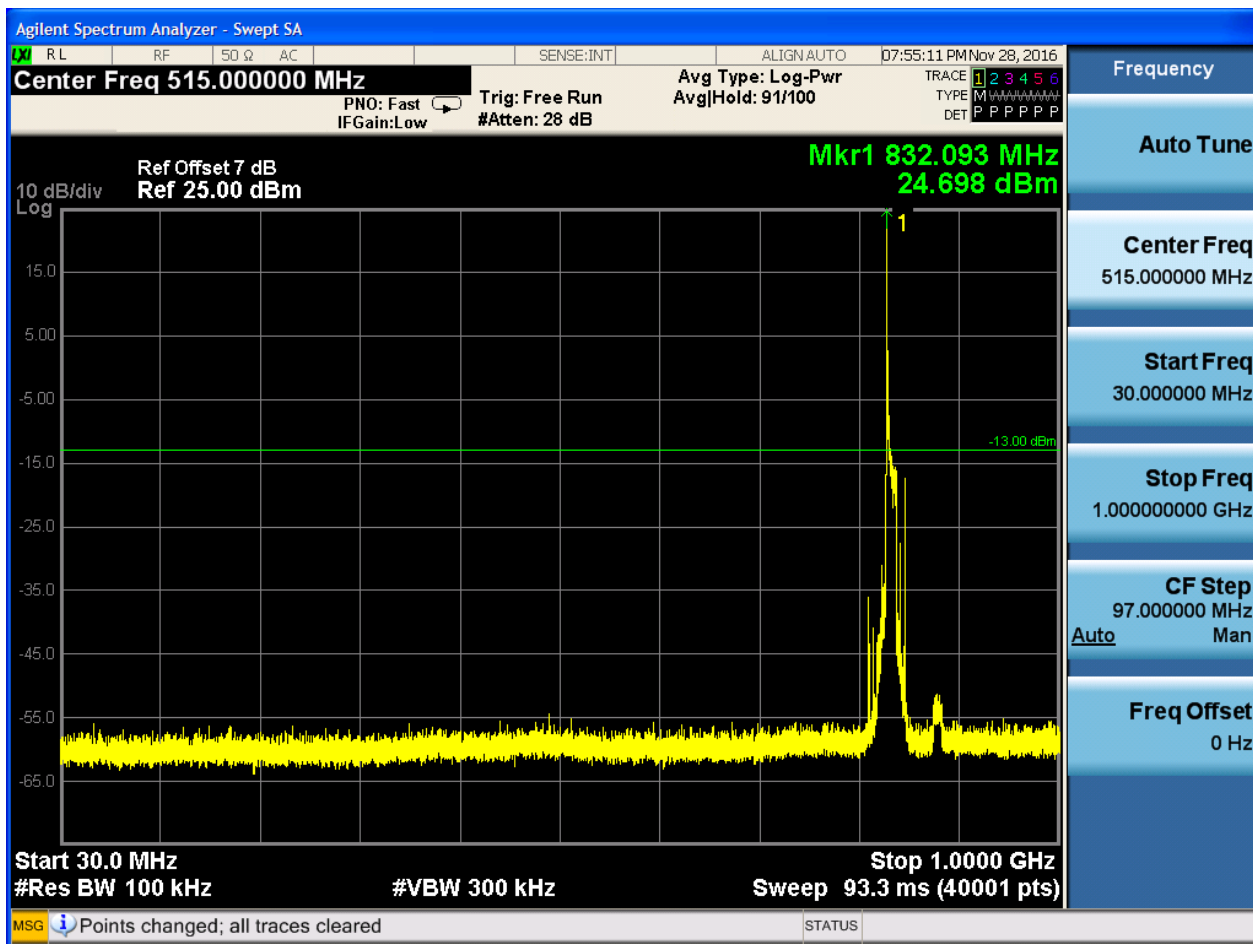


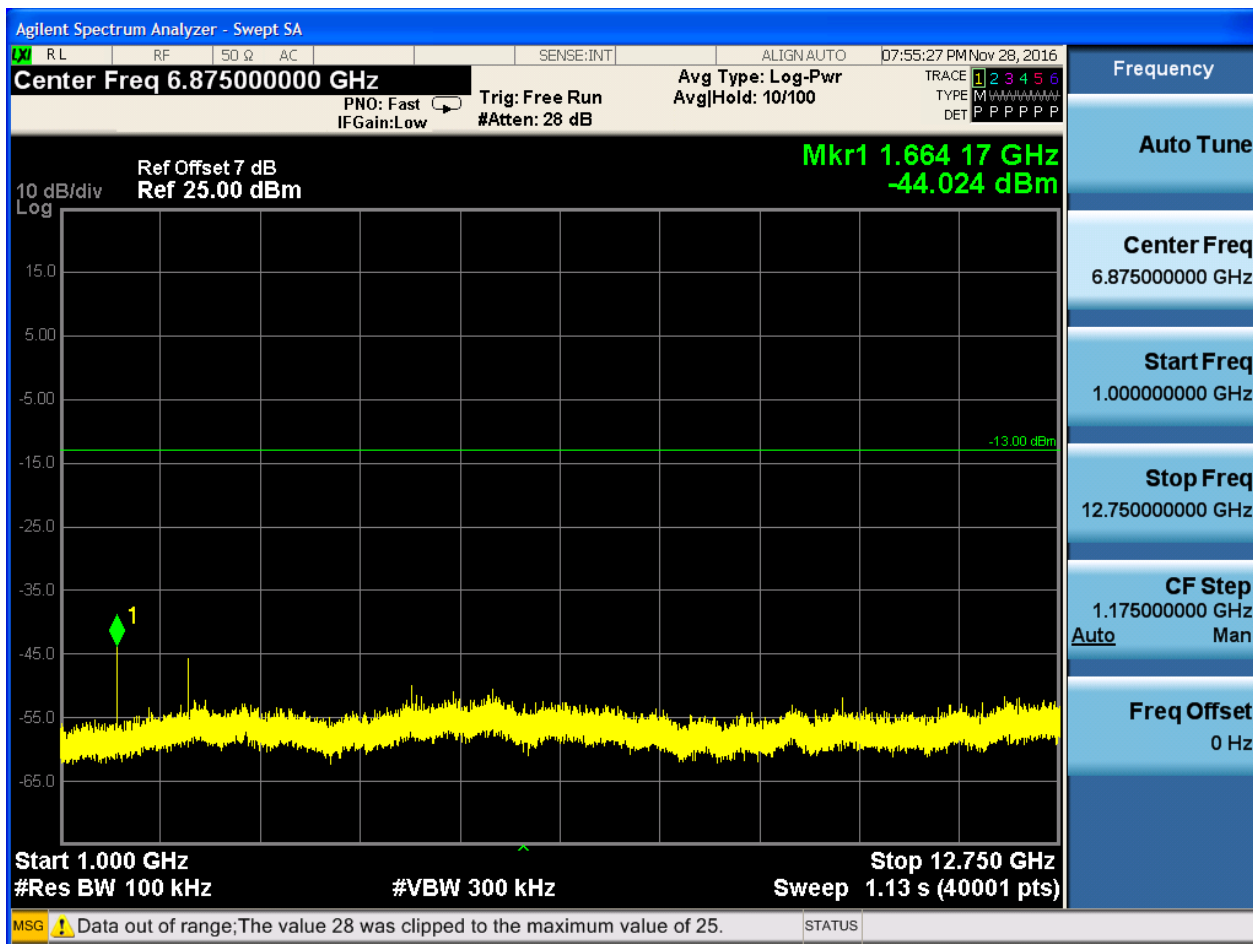
6.1.3.1.4.2 Test Channel = MCH

6.1.3.1.4.2.1 Test RB = RB1#0





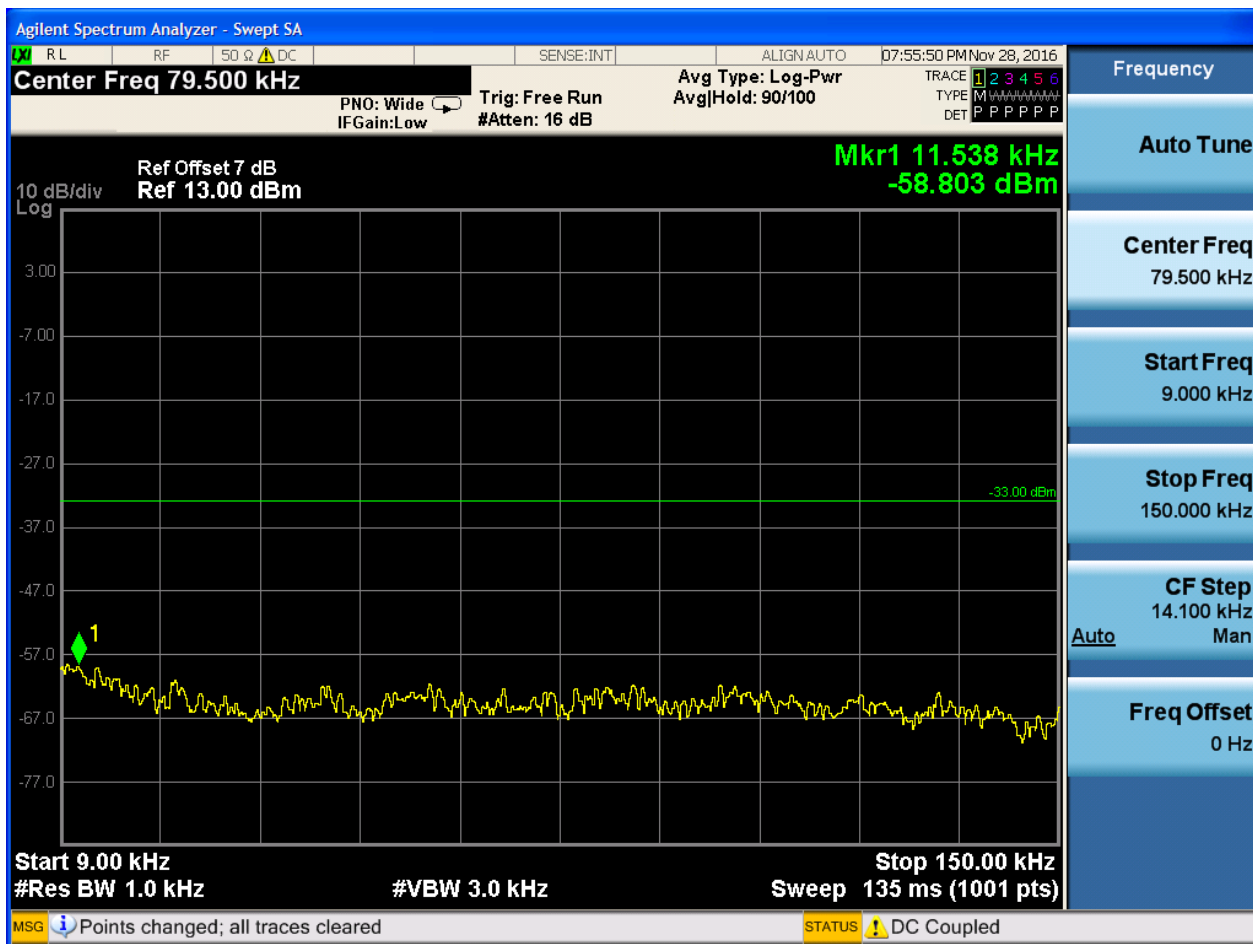


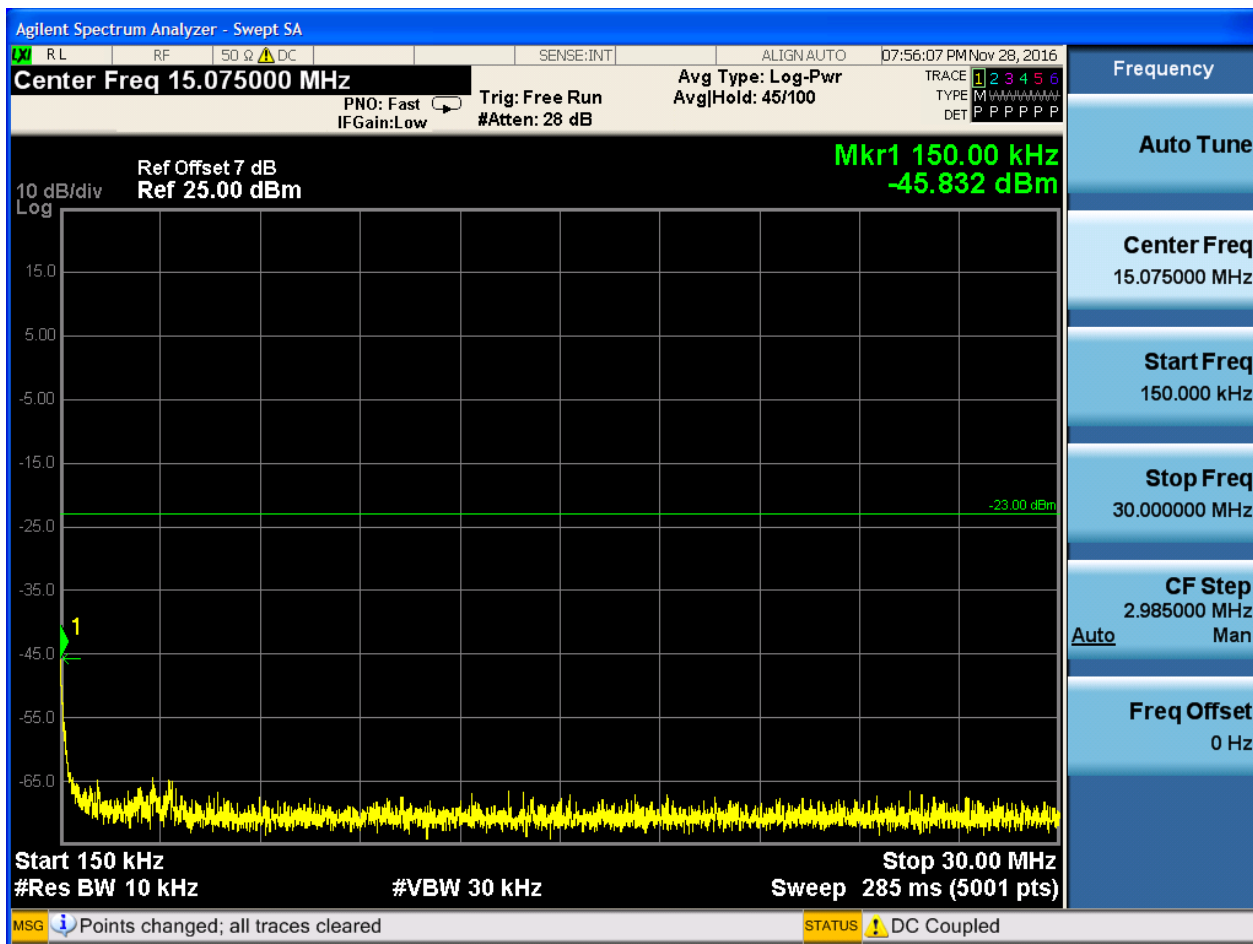


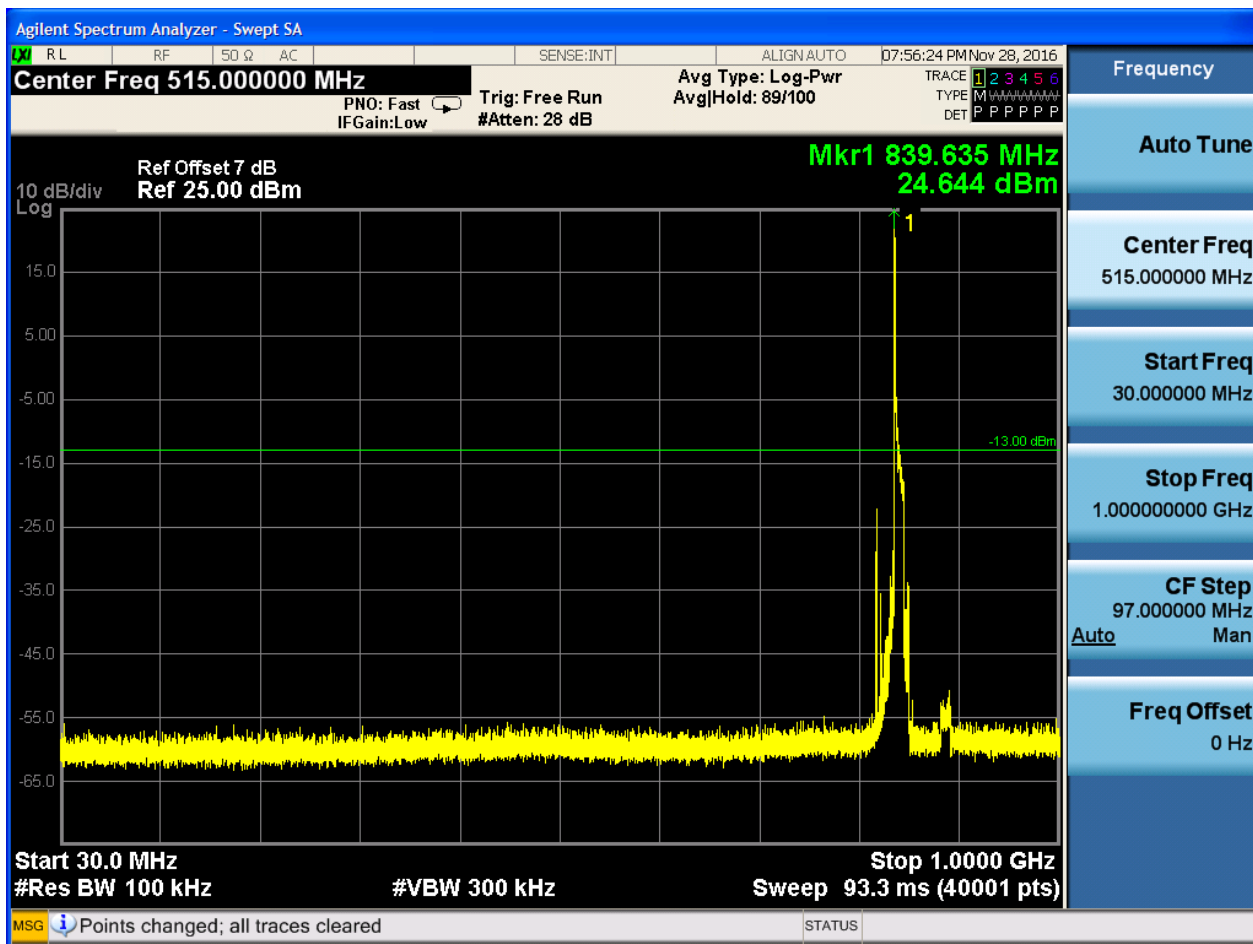


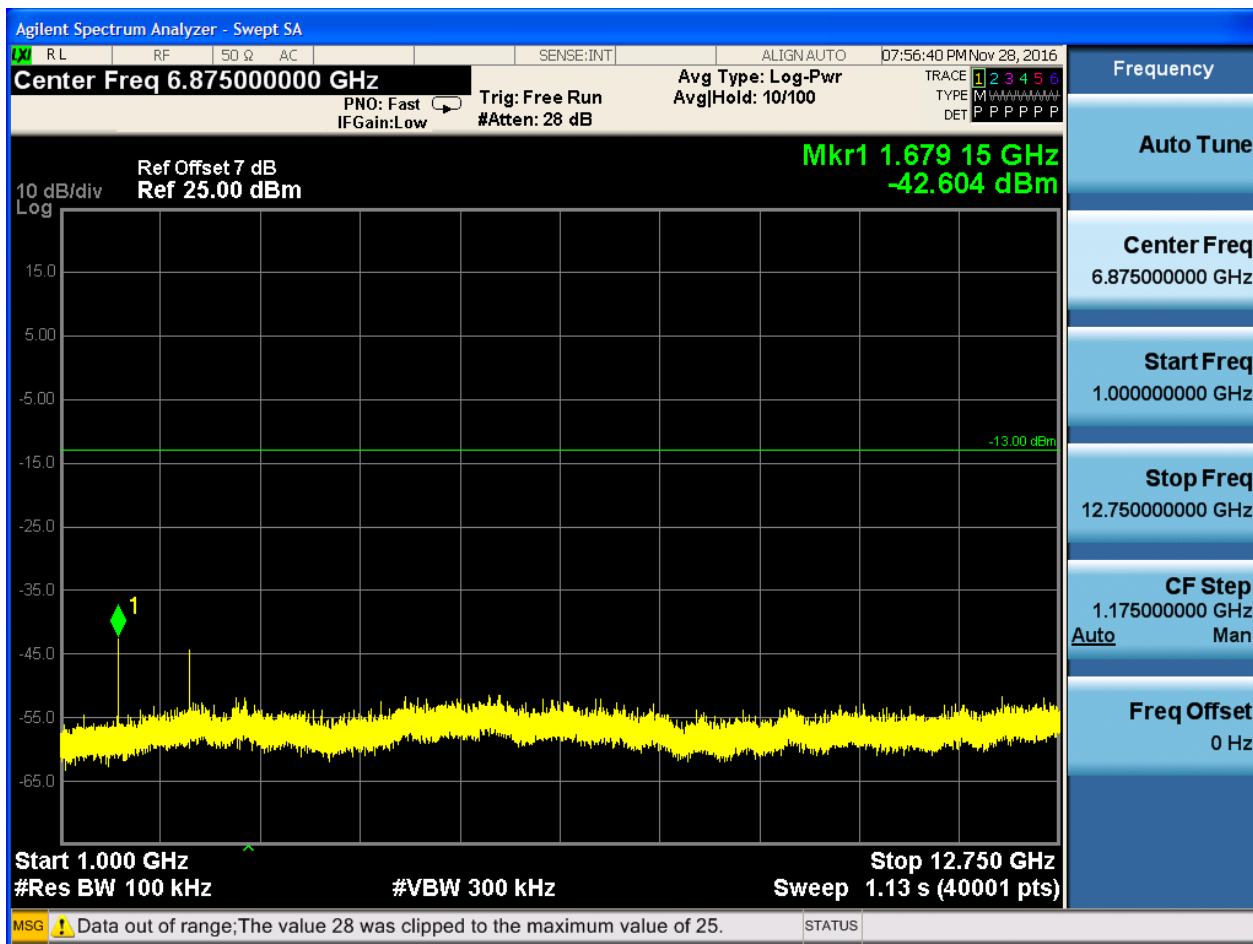
6.1.3.1.4.3 Test Channel = HCH

6.1.3.1.4.3.1 Test RB = RB1#0







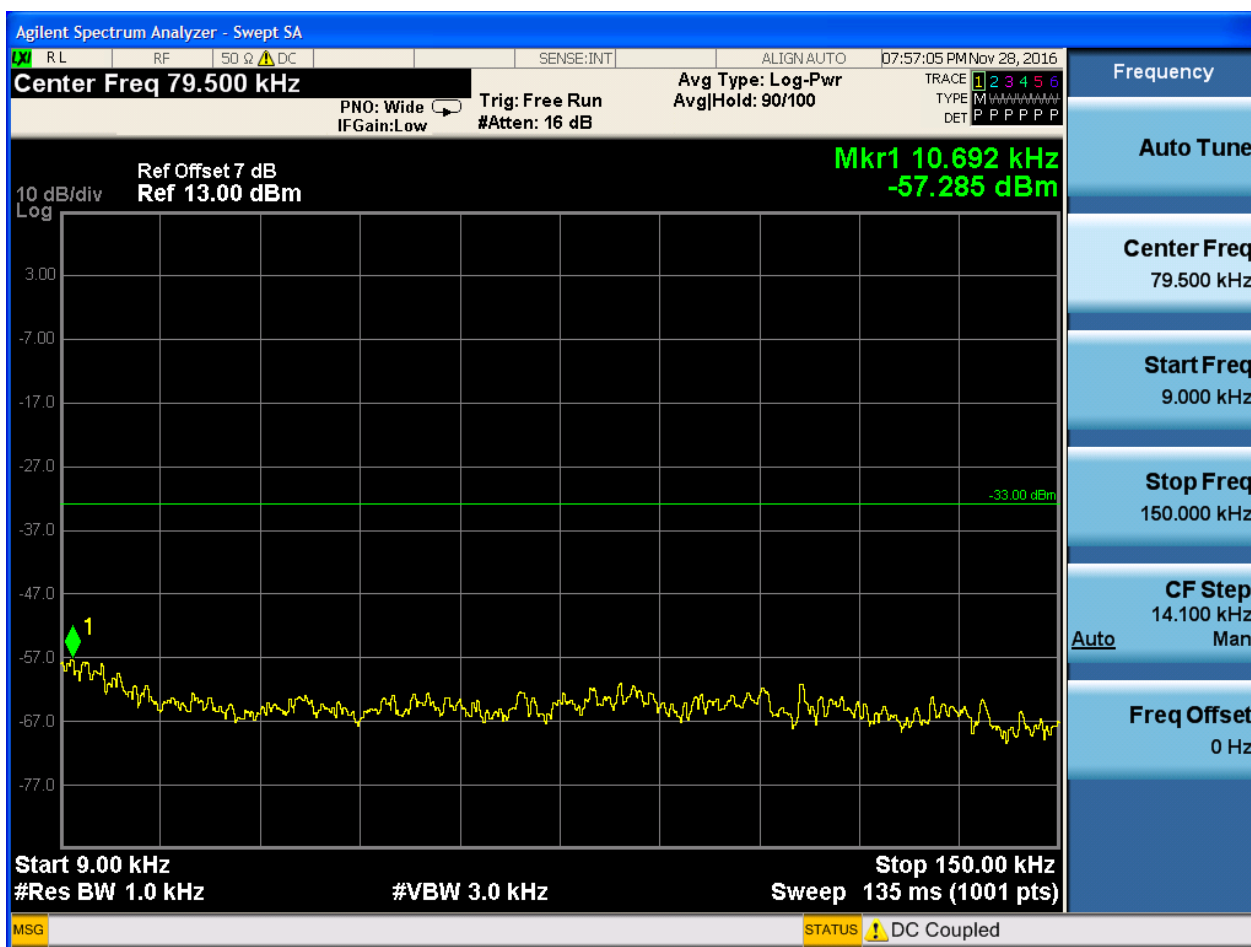


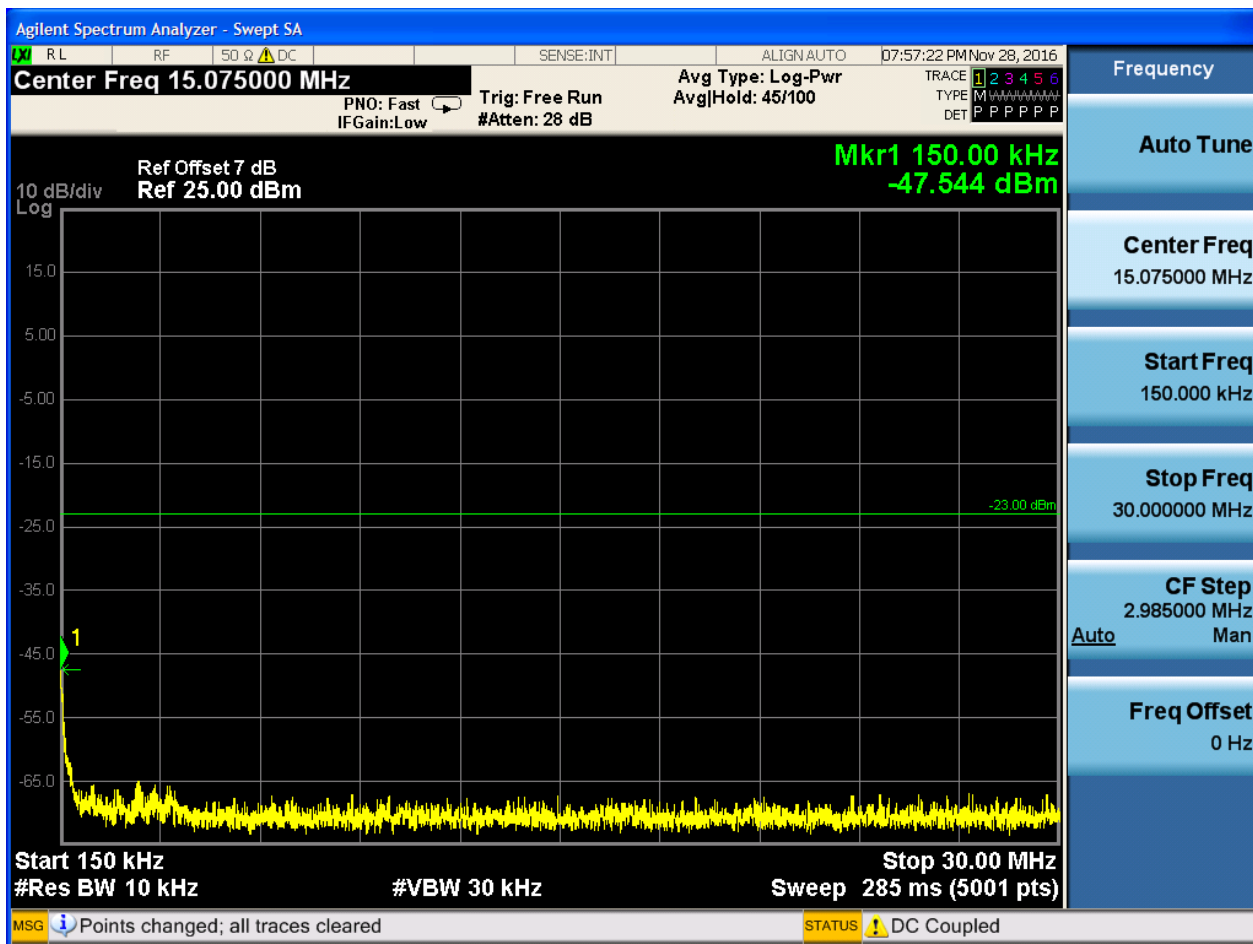


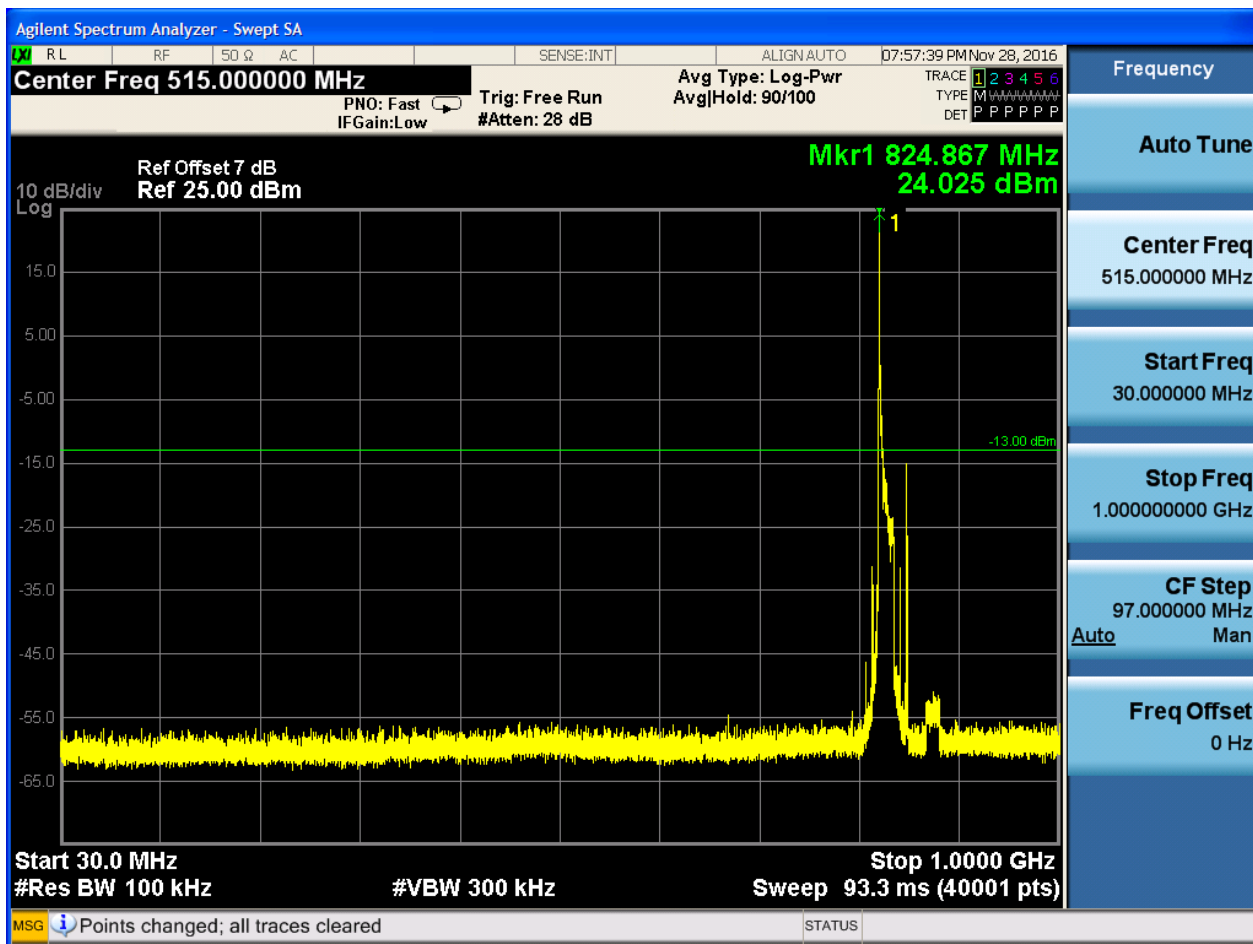
6.1.3.1.5 Test Bandwidth = 15

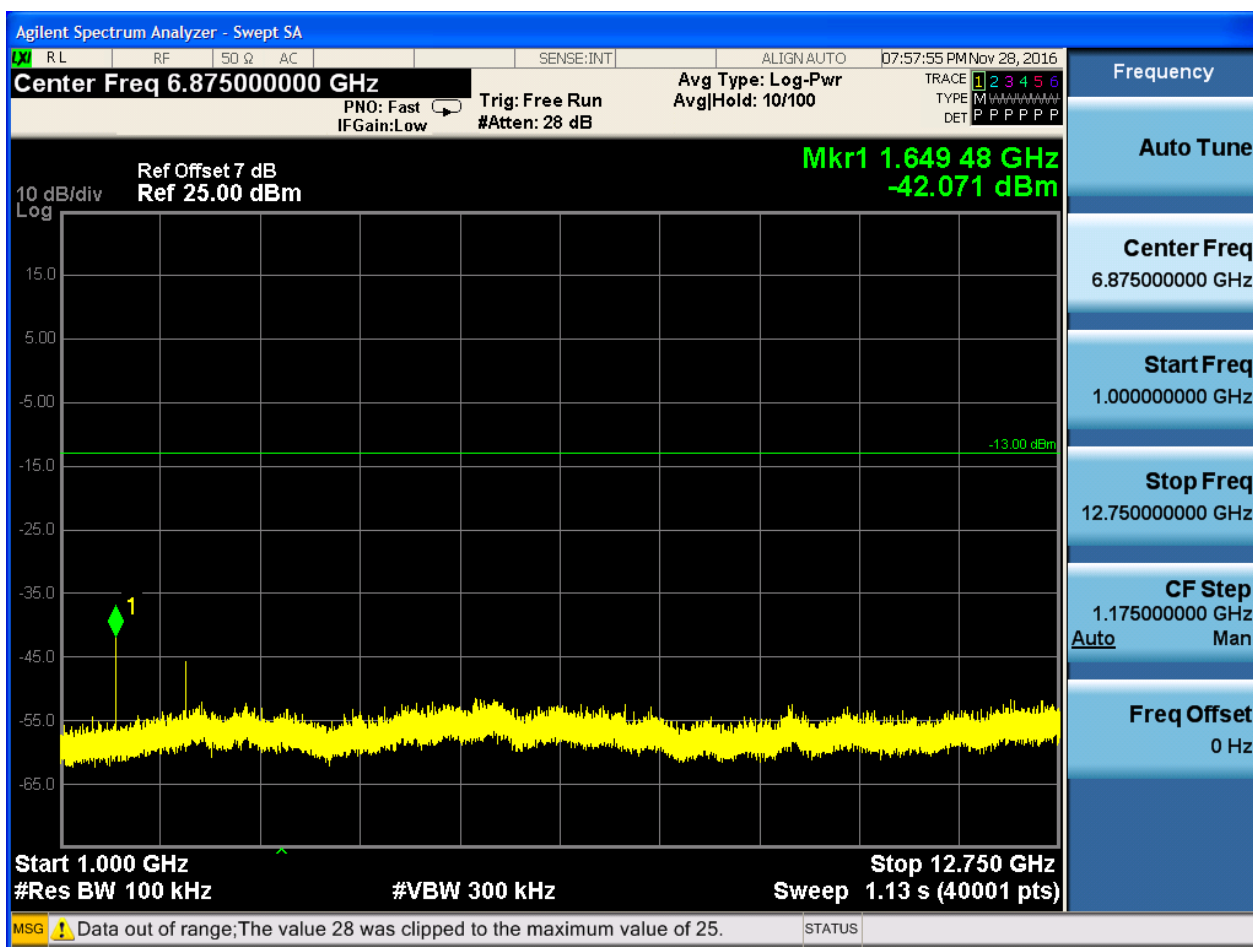
6.1.3.1.5.1 Test Channel = LCH

6.1.3.1.5.1.1 Test RB = RB1#0





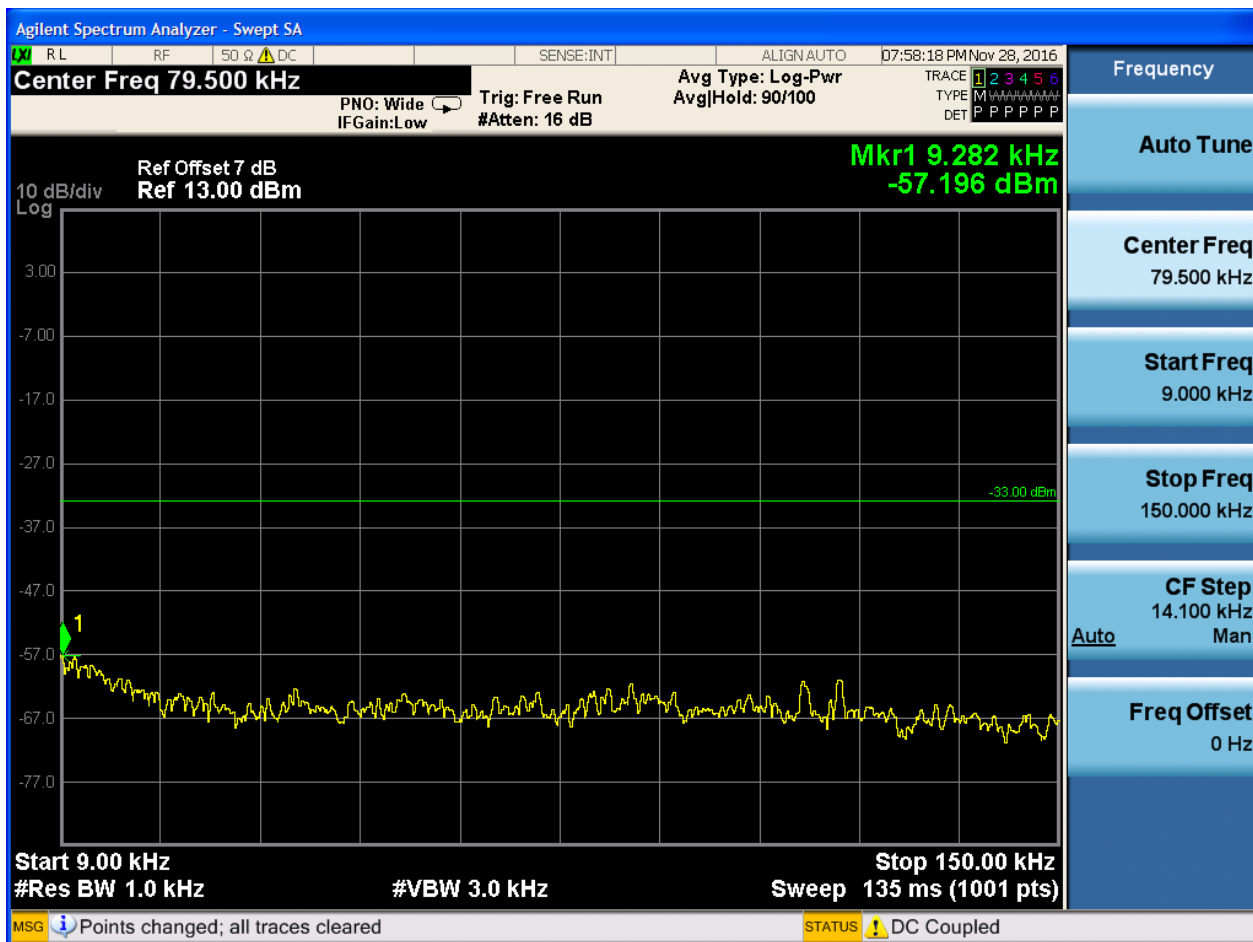


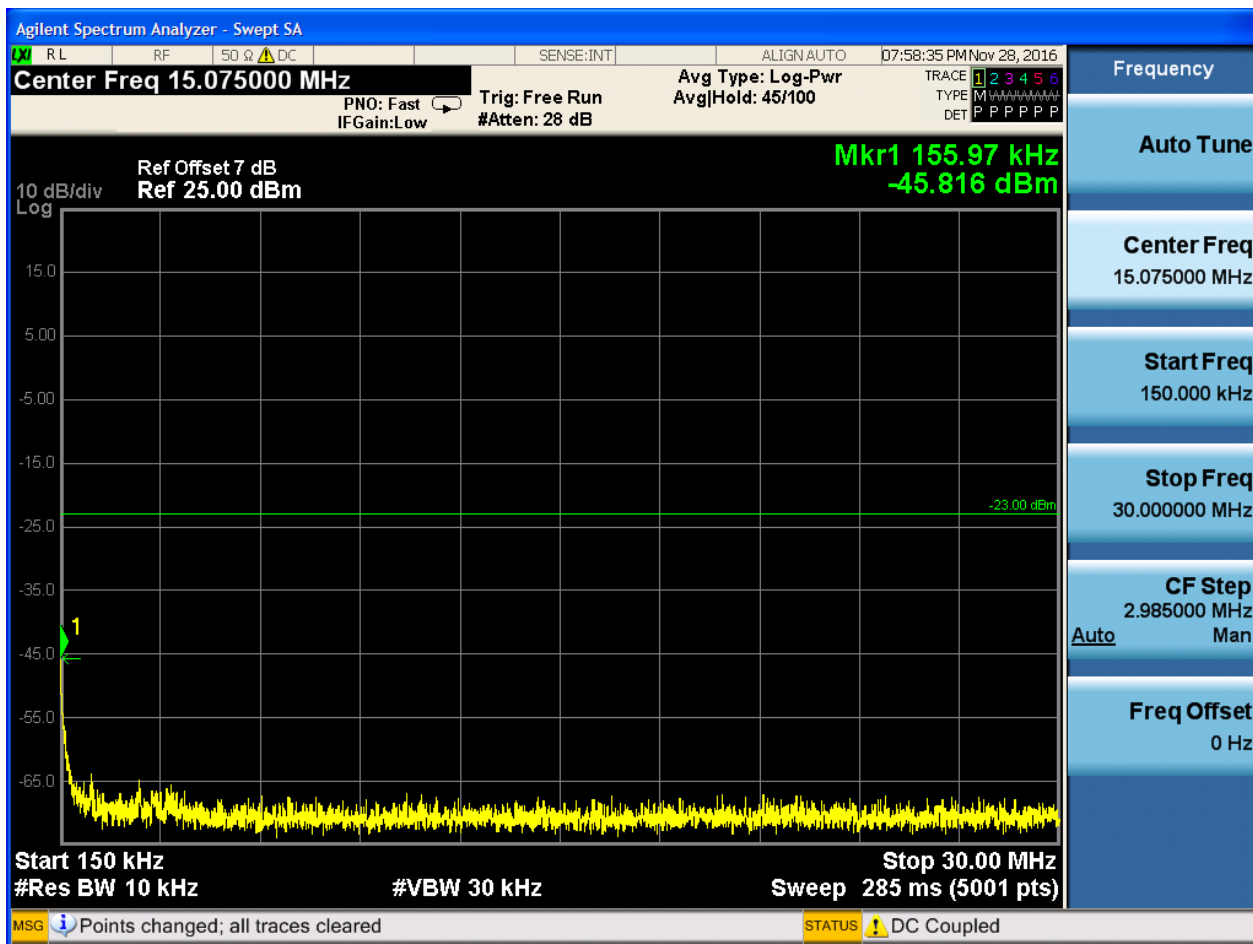


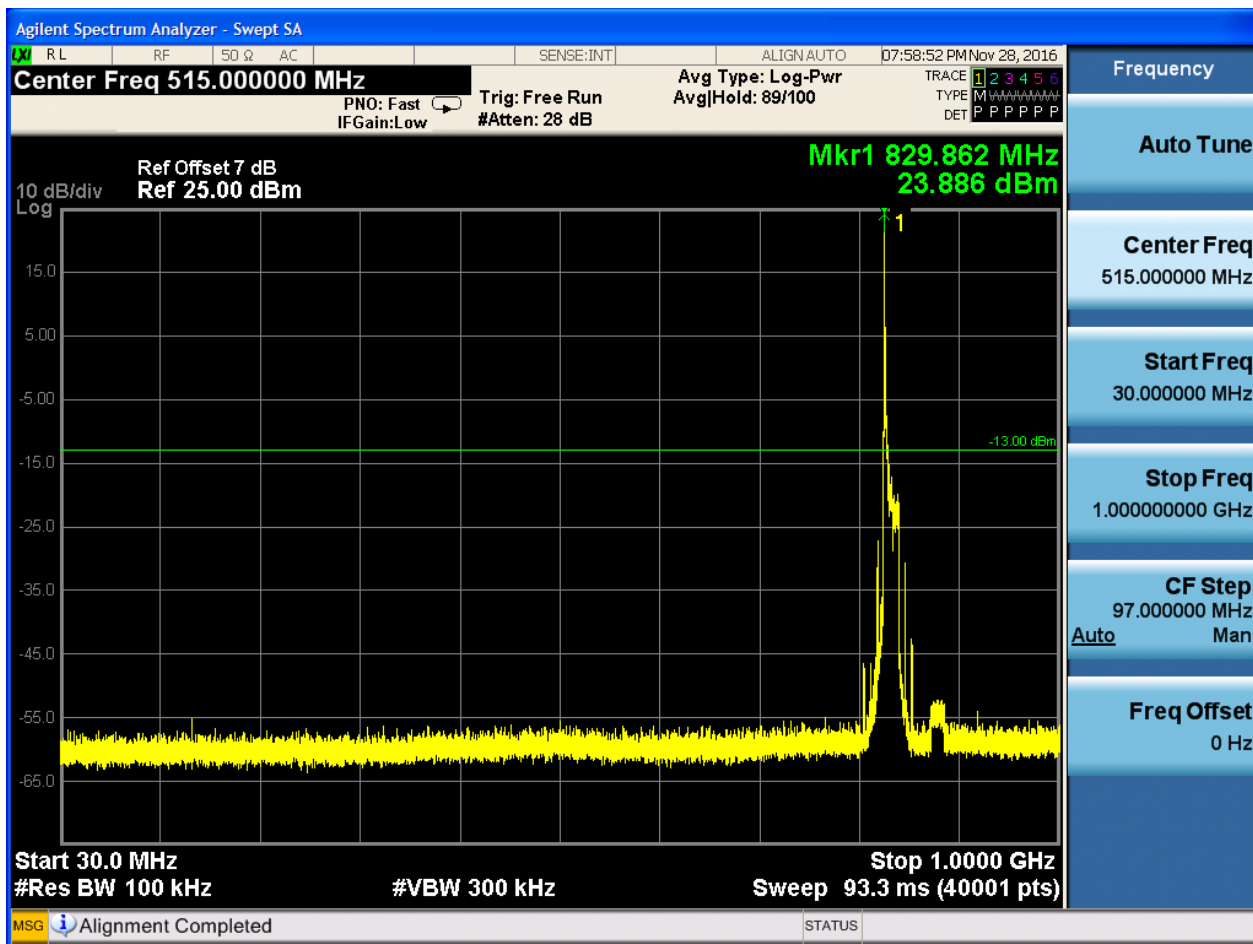


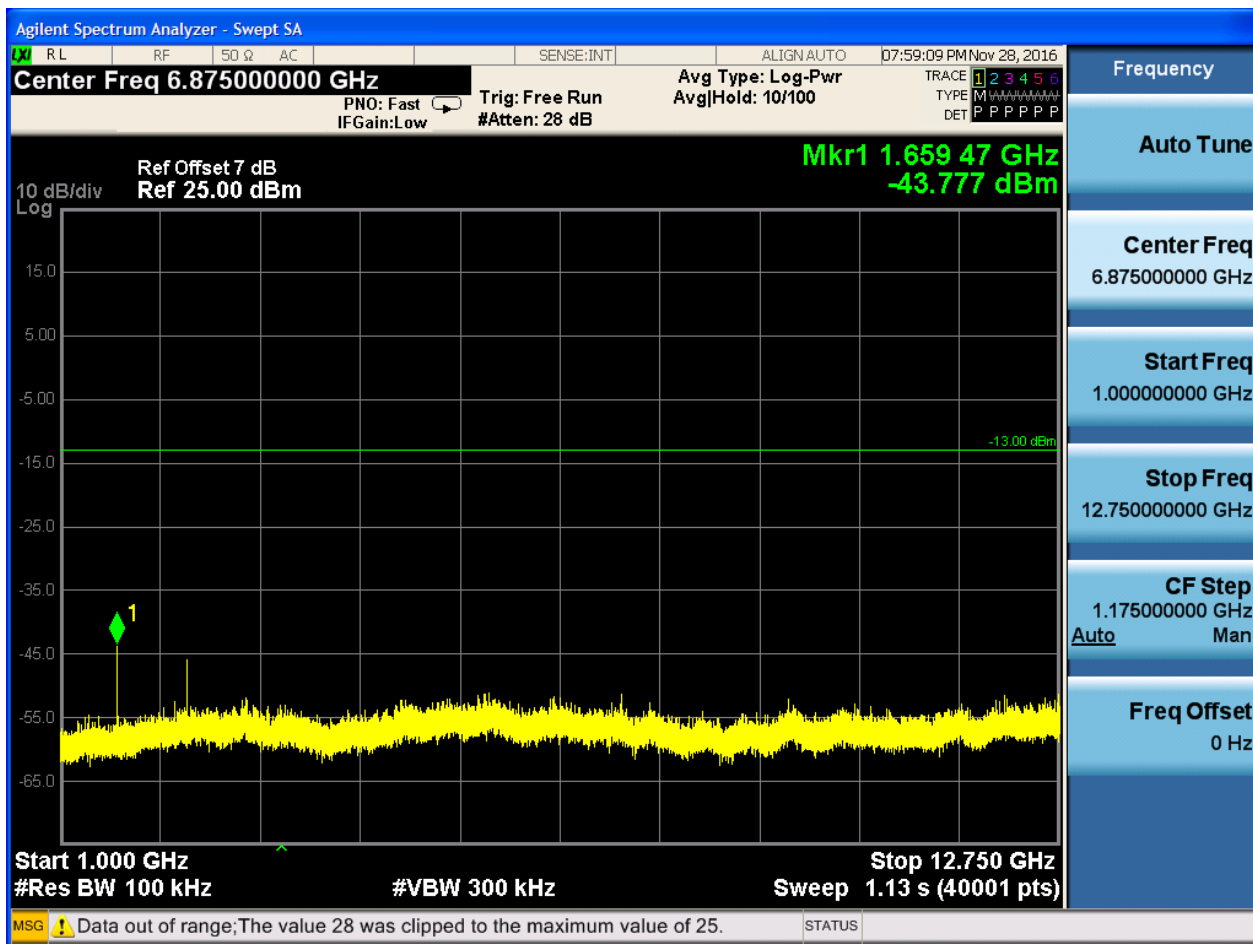
6.1.3.1.5.2 Test Channel = MCH

6.1.3.1.5.2.1 Test RB = RB1#0





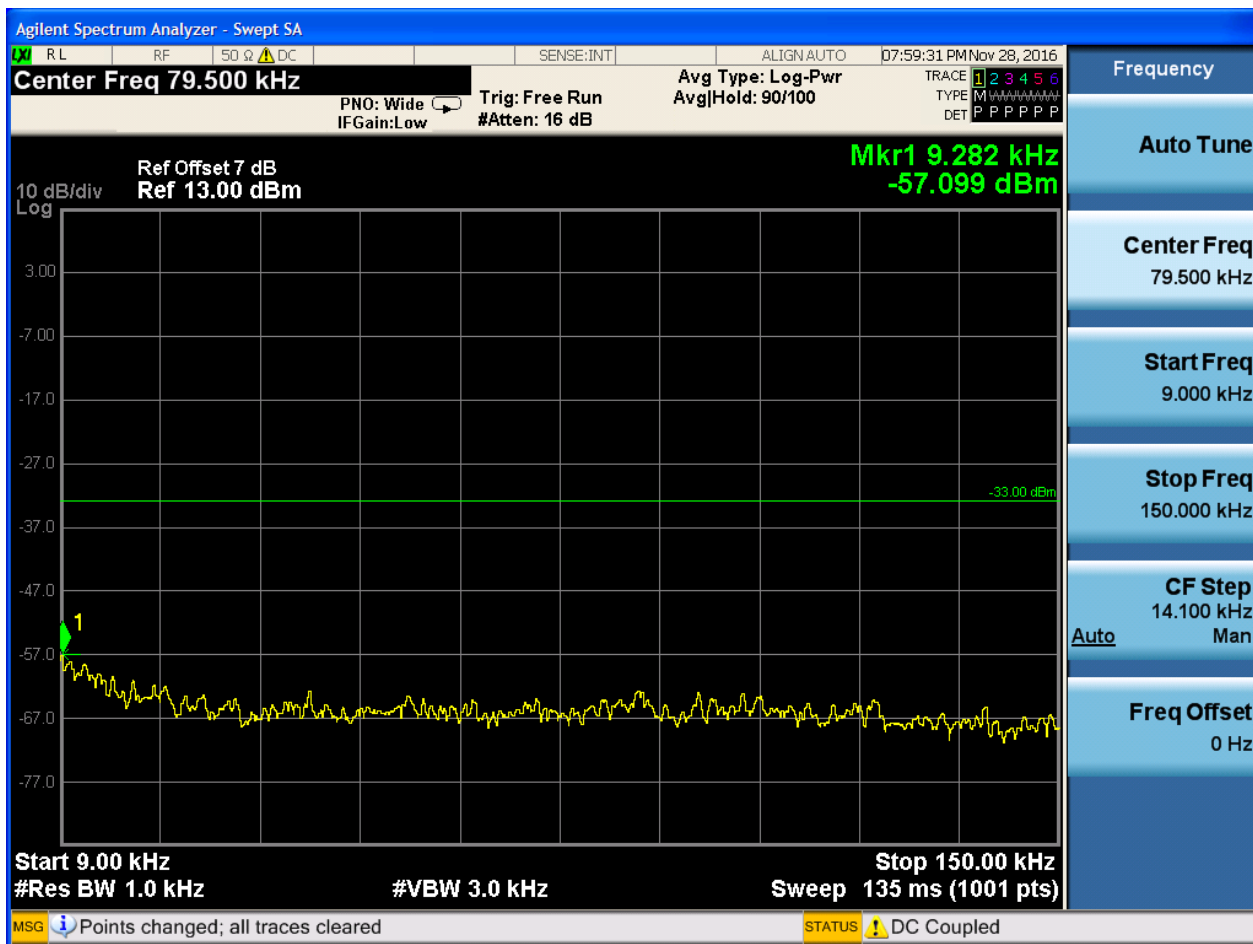


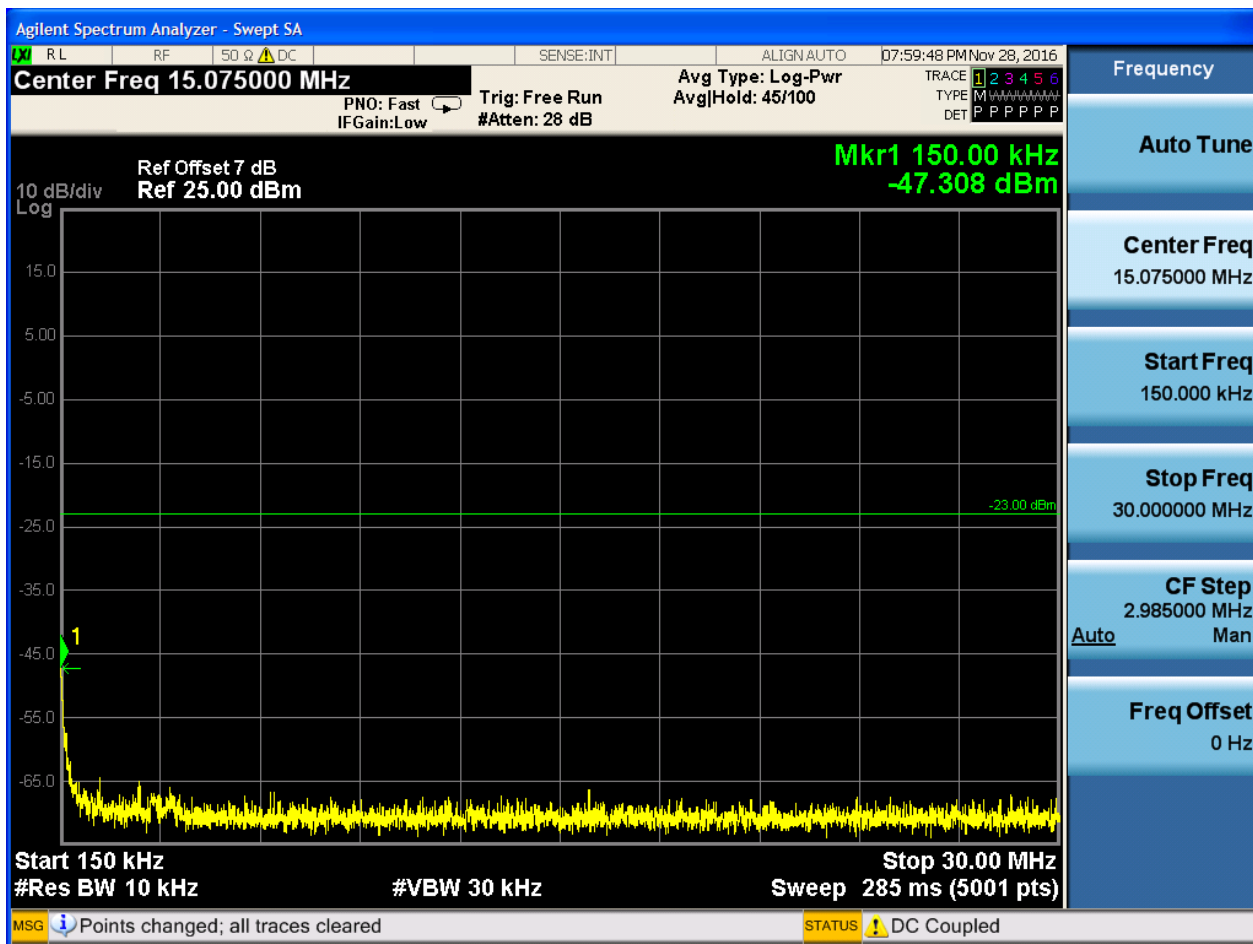


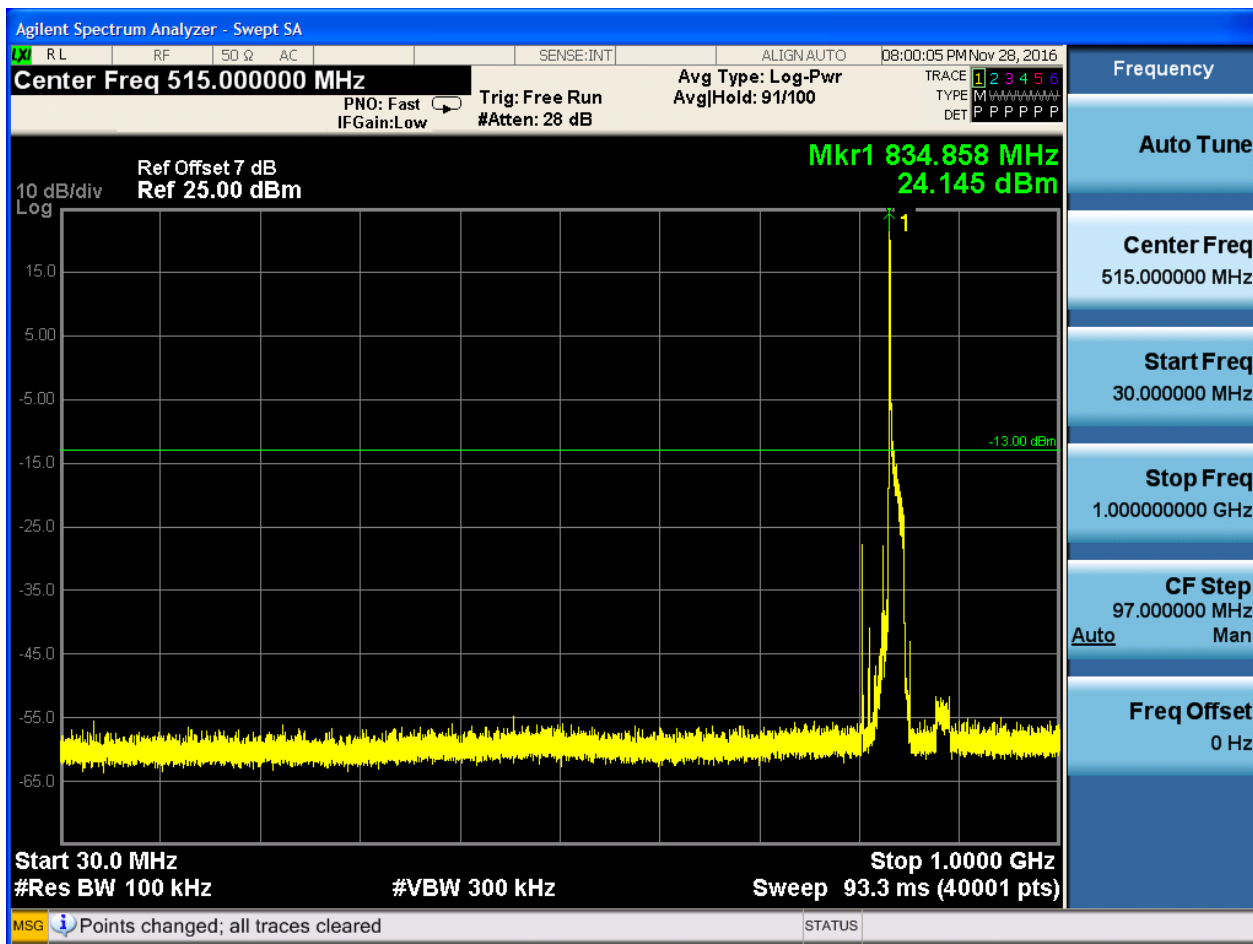


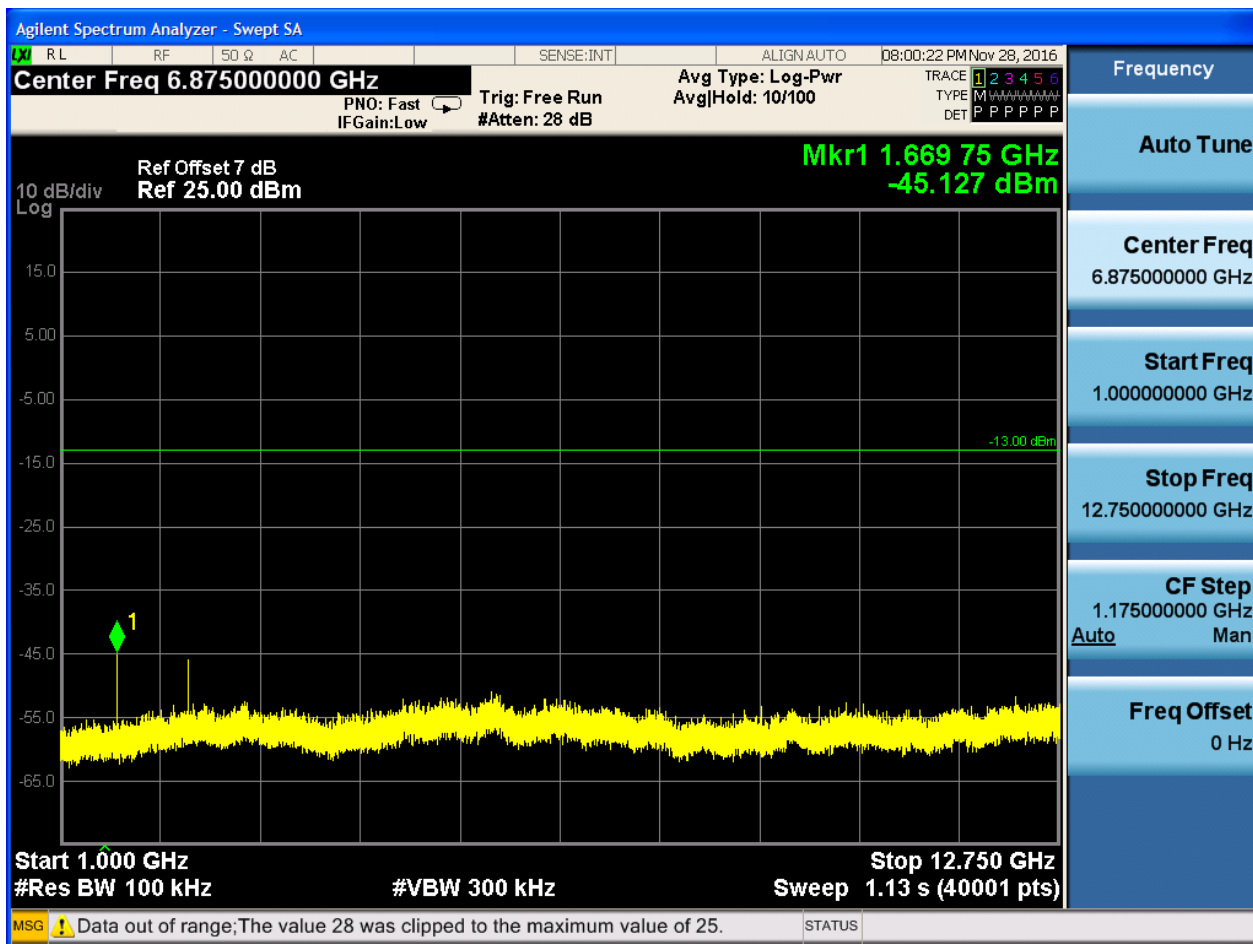
6.1.3.1.5.3 Test Channel = HCH

6.1.3.1.5.3.1 Test RB = RB1#0







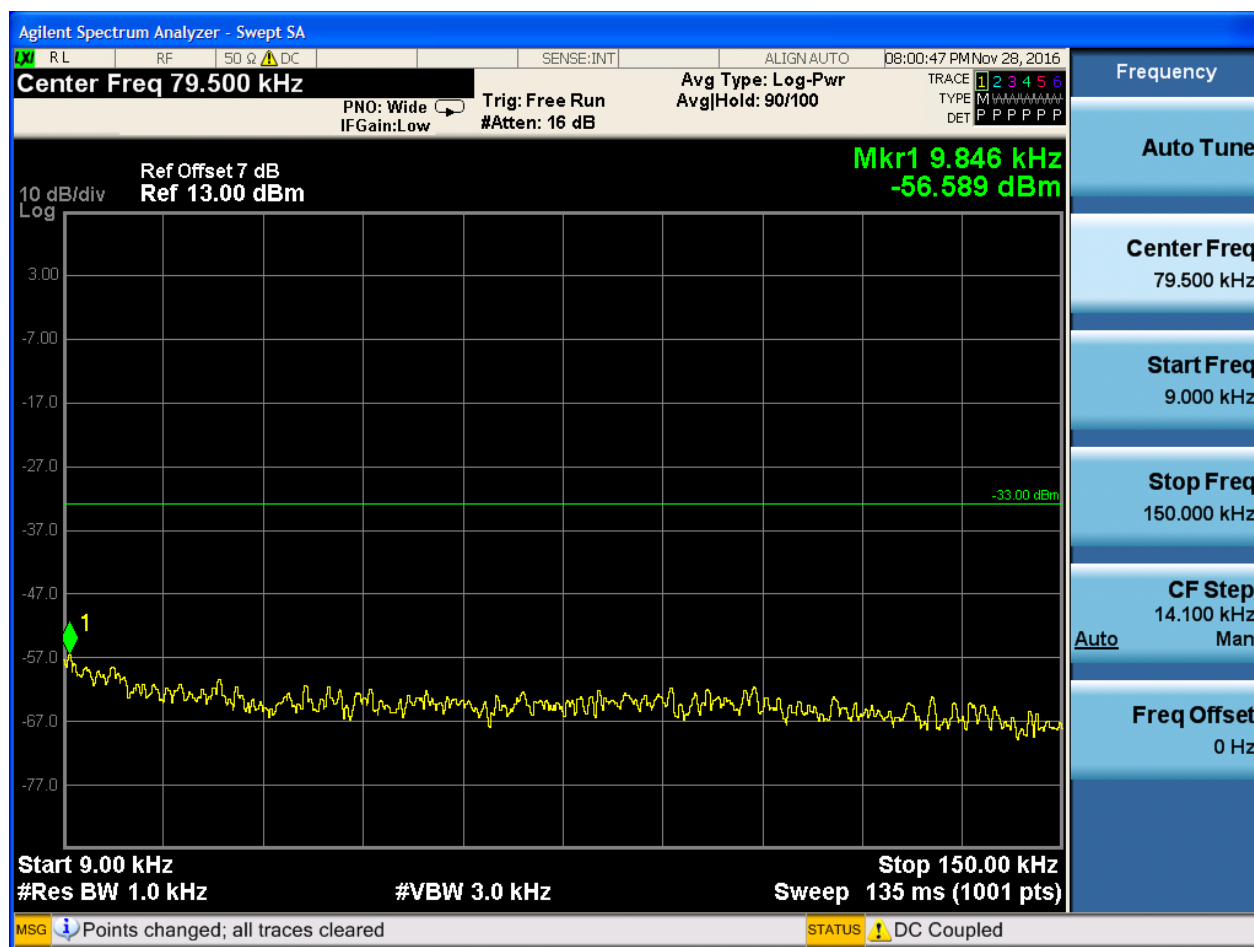


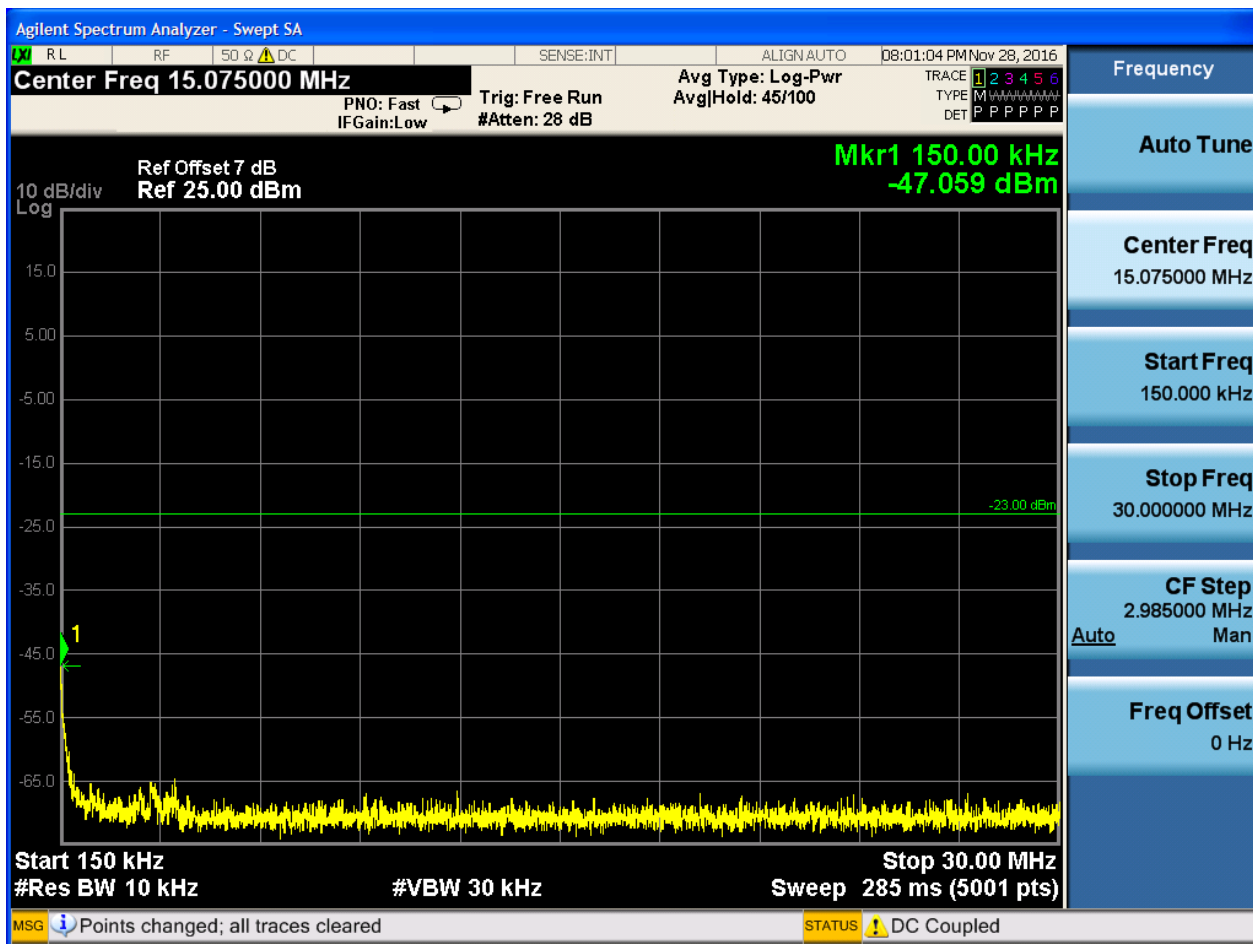
6.1.3.2 Test Mode = LTE/TM2

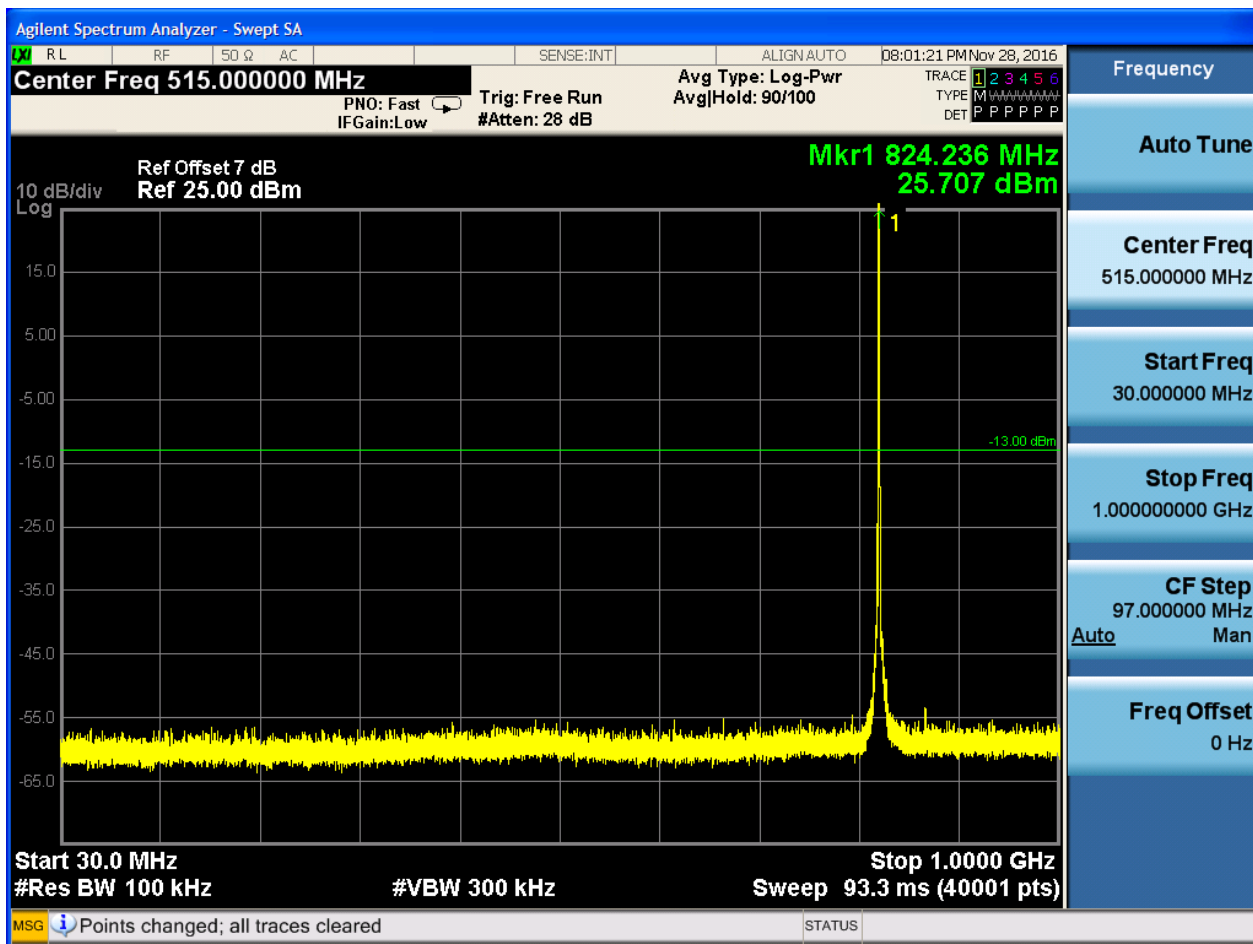
6.1.3.2.1 Test Bandwidth = 1.4

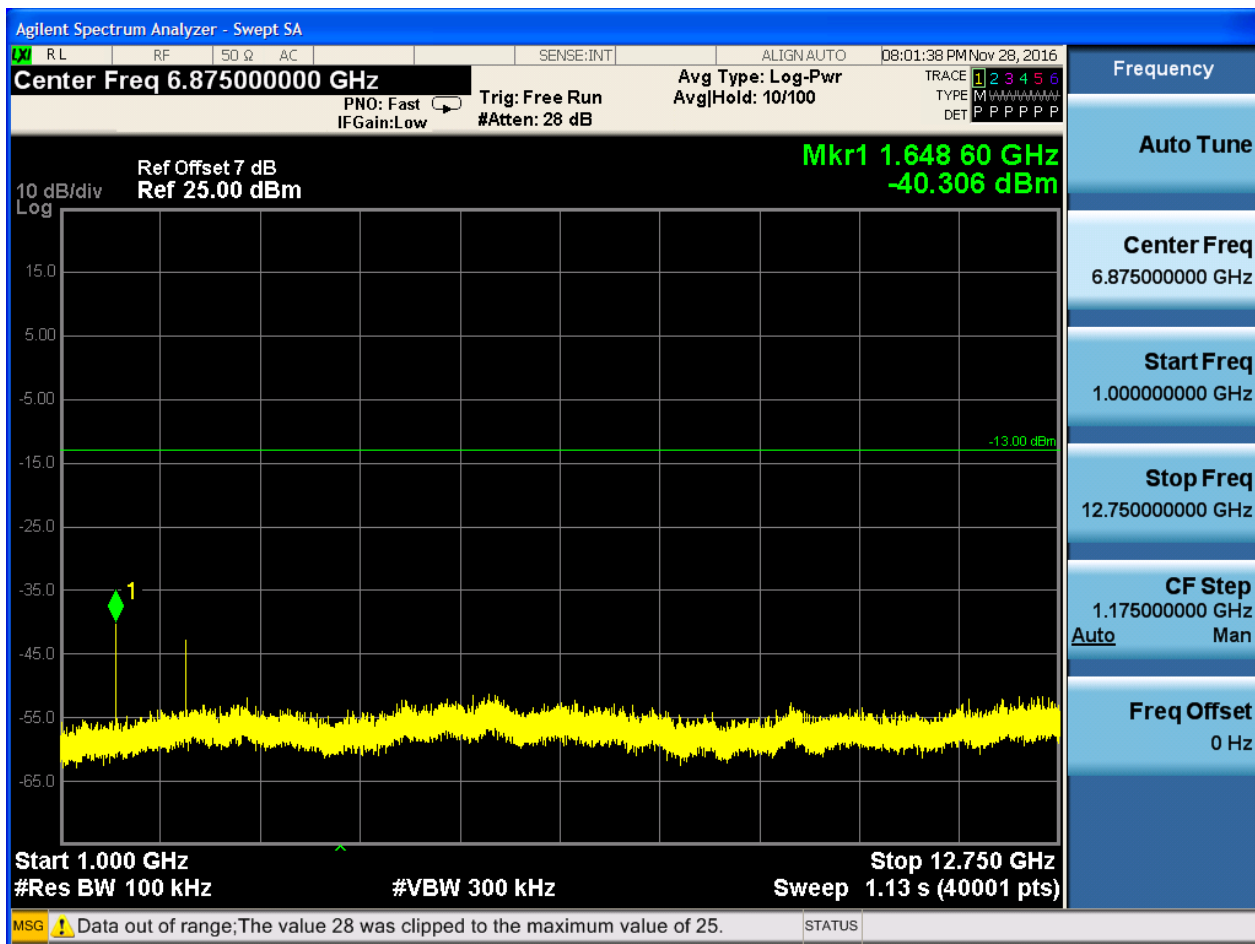
6.1.3.2.1.1 Test Channel = LCH

6.1.3.2.1.1.1 Test RB = RB1#0





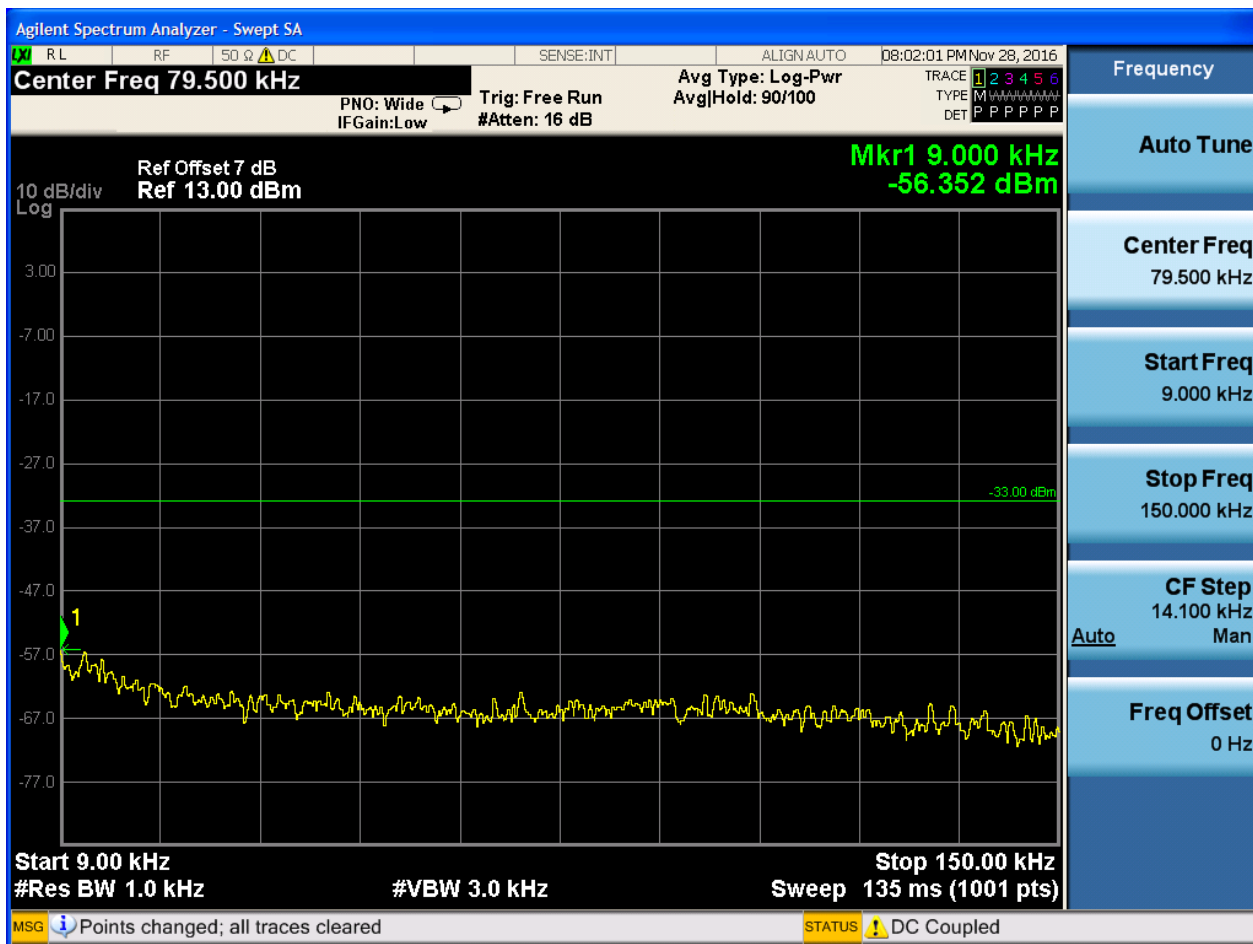


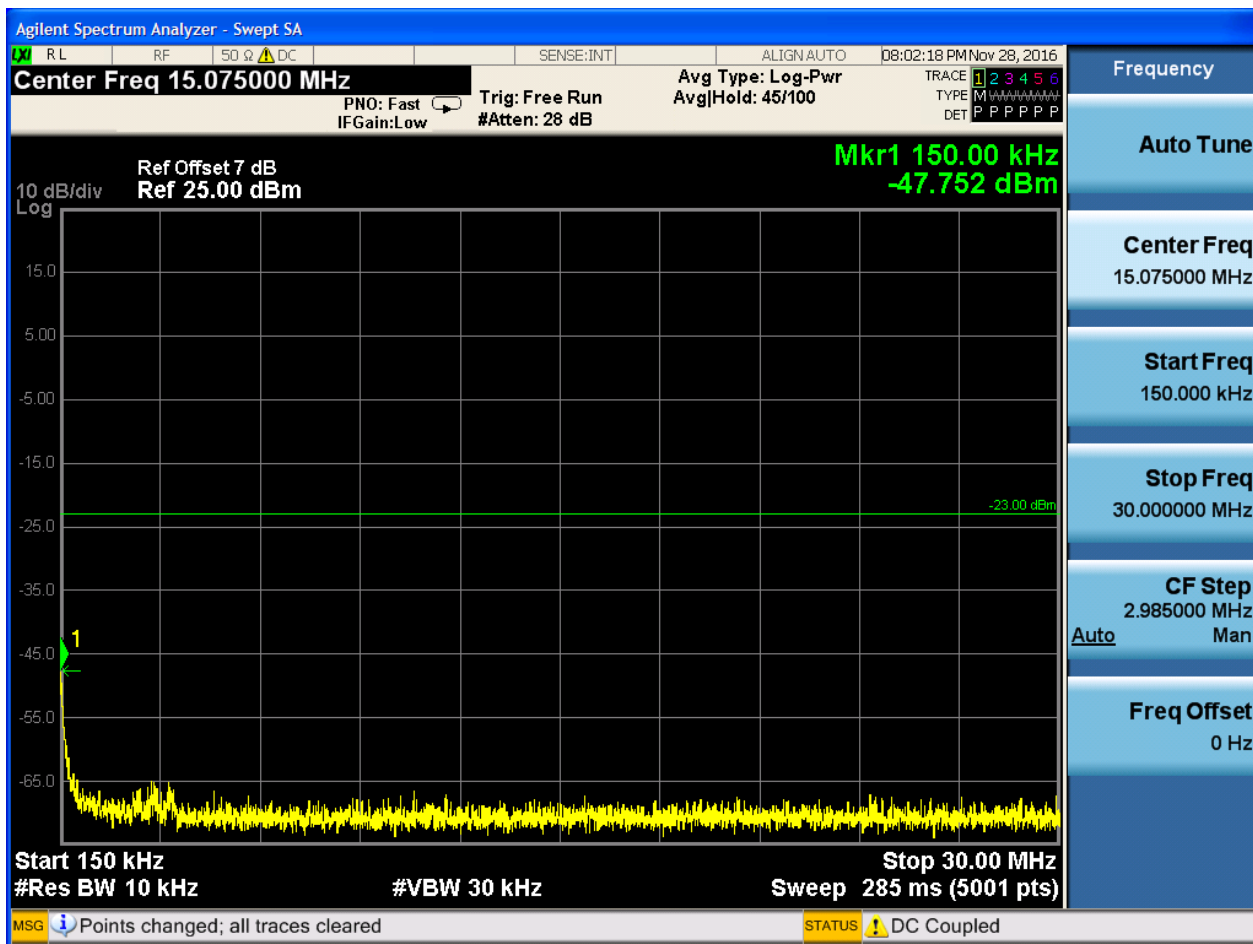


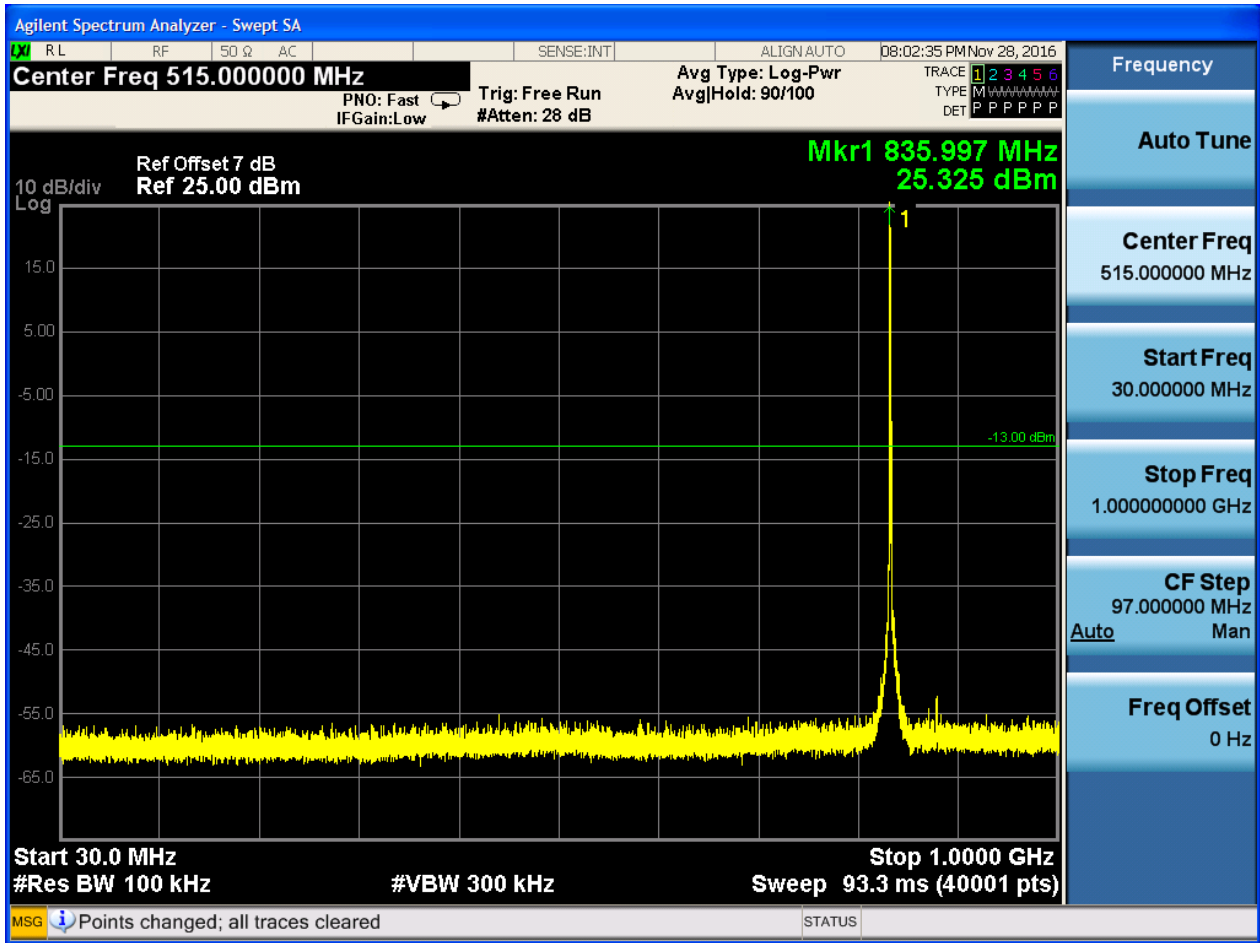


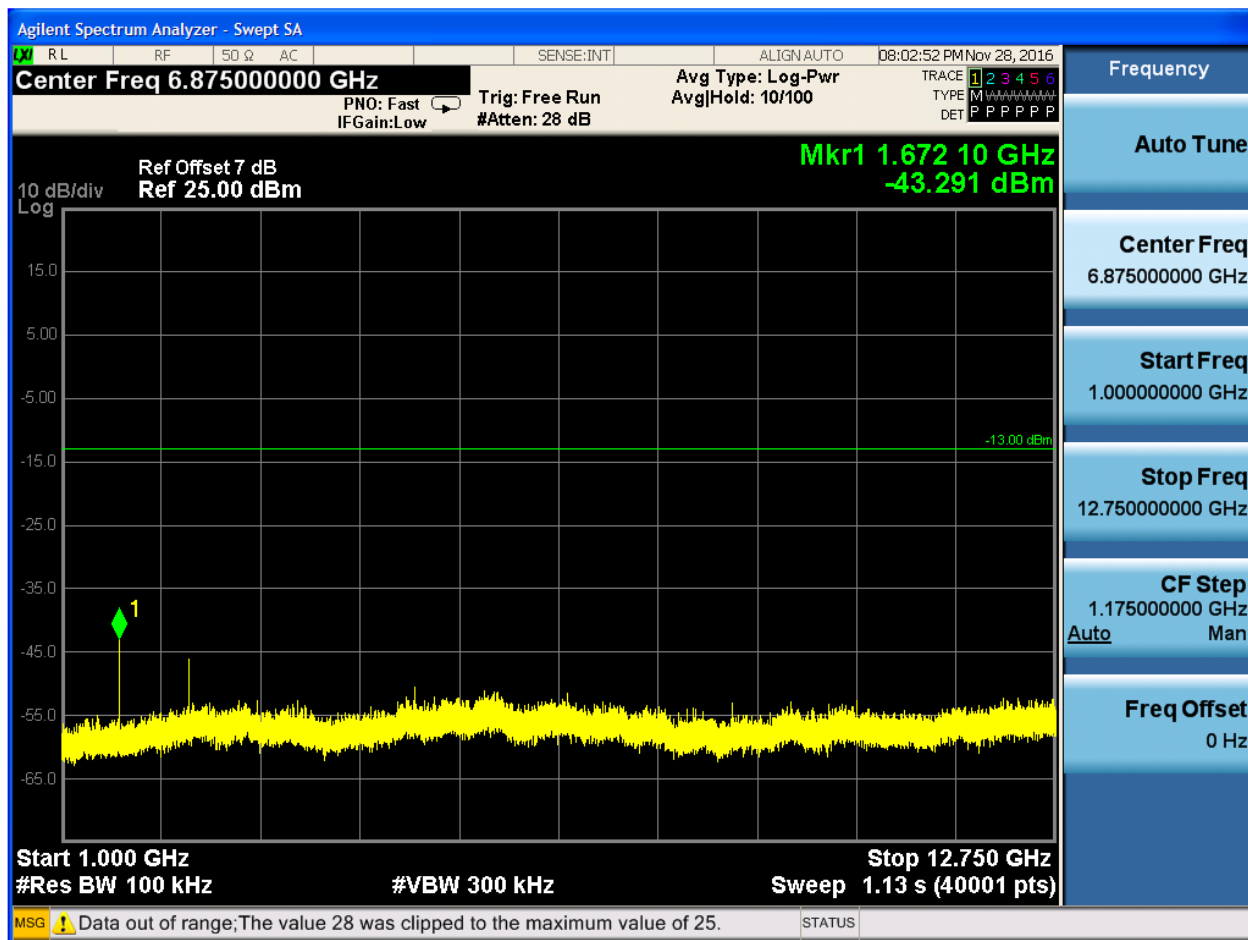
6.1.3.2.1.2 Test Channel = MCH

6.1.3.2.1.2.1 Test RB = RB1#0











6.1.3.2.1.3 Test Channel = HCH

6.1.3.2.1.3.1 Test RB = RB1#0

