



5.2.1.1.1.2.3 Test RB = RB3#2





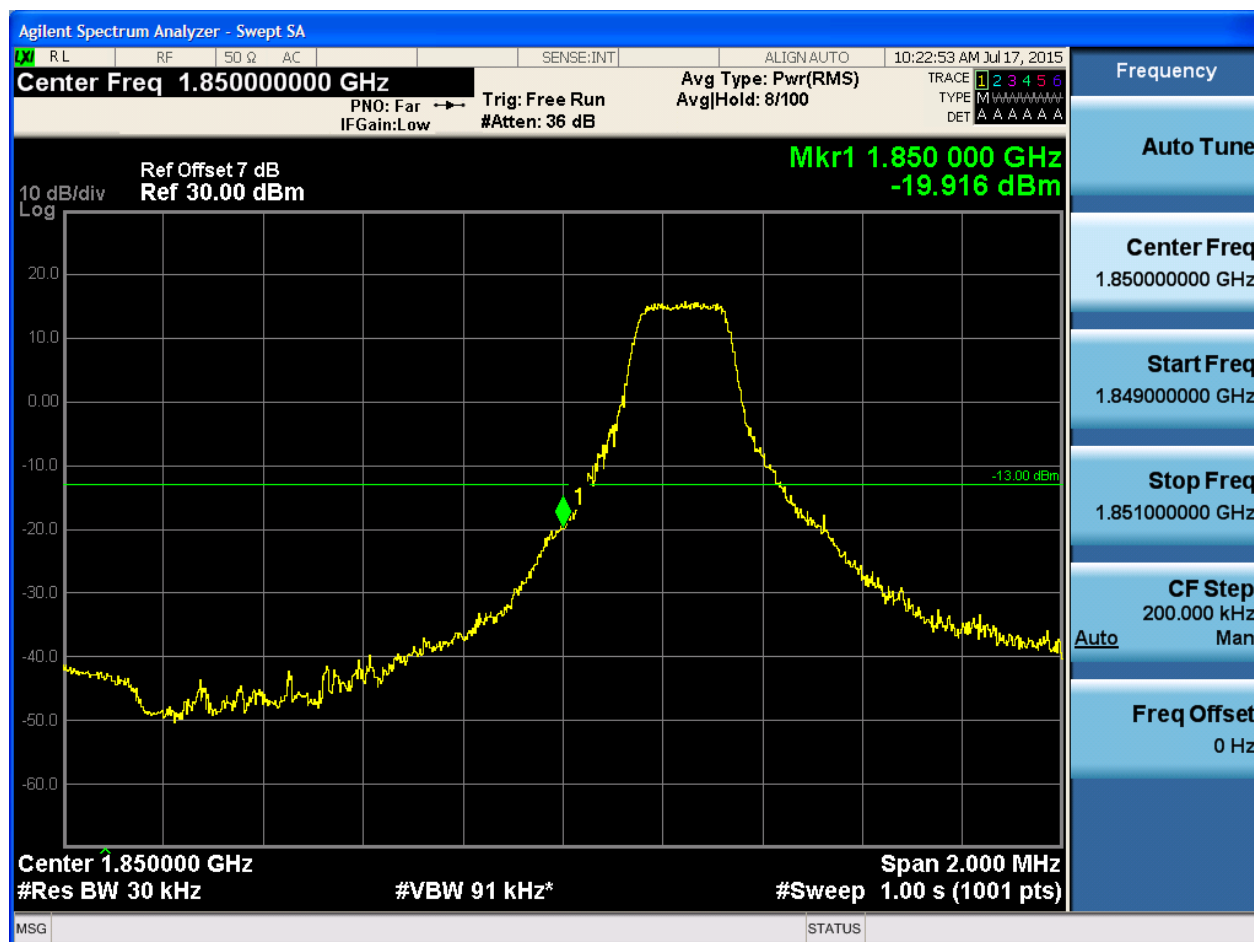
5.2.1.1.1.2.4 Test RB = RB6#0



5.2.1.1.2 Test Bandwidth = 3

5.2.1.1.2.1 Test Channel = LCH

5.2.1.1.2.1.1 Test RB = RB1#0





5.2.1.1.2.1.2 Test RB = RB1#14



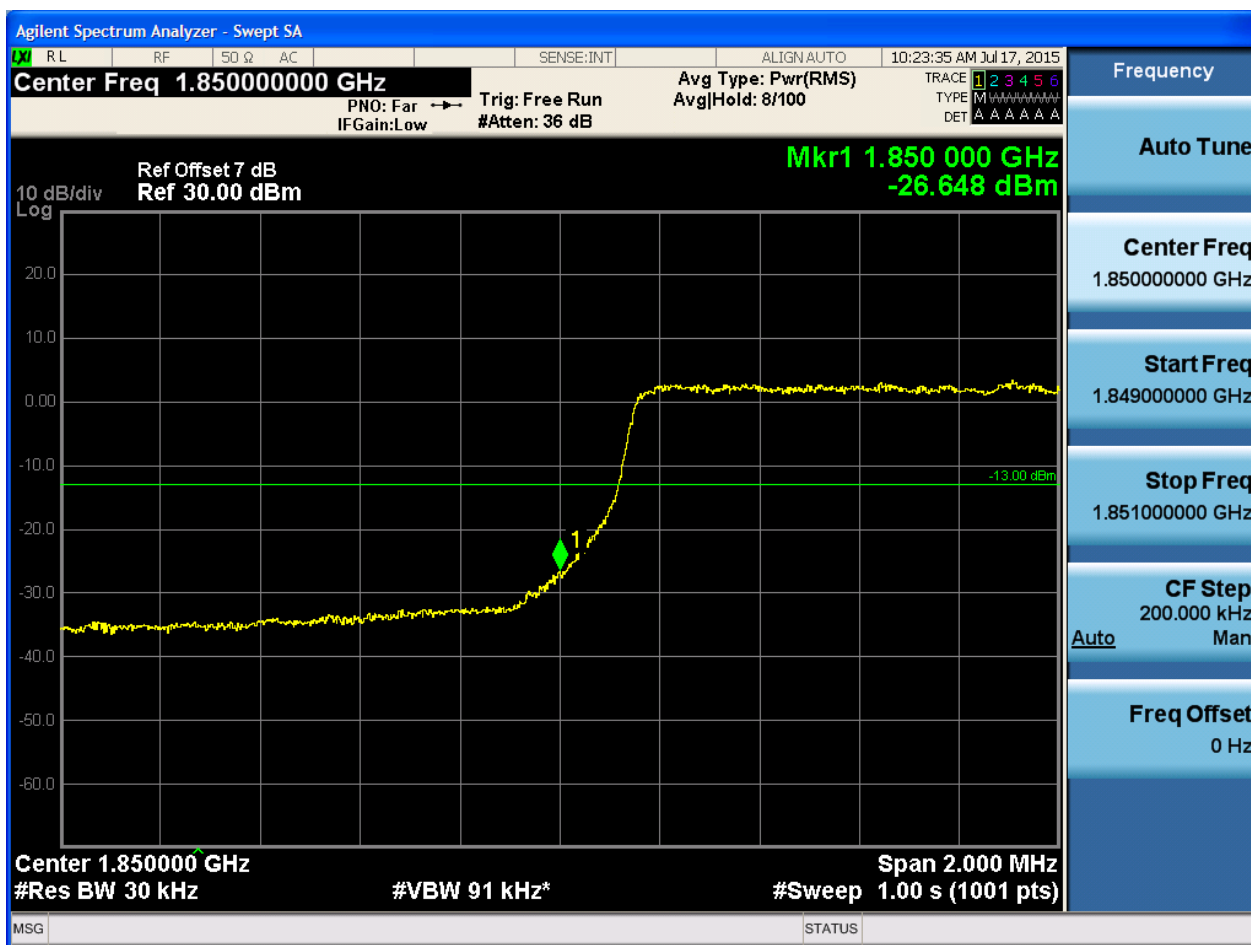


5.2.1.1.2.1.3 Test RB = RB8#4





5.2.1.1.2.1.4 Test RB = RB15#0



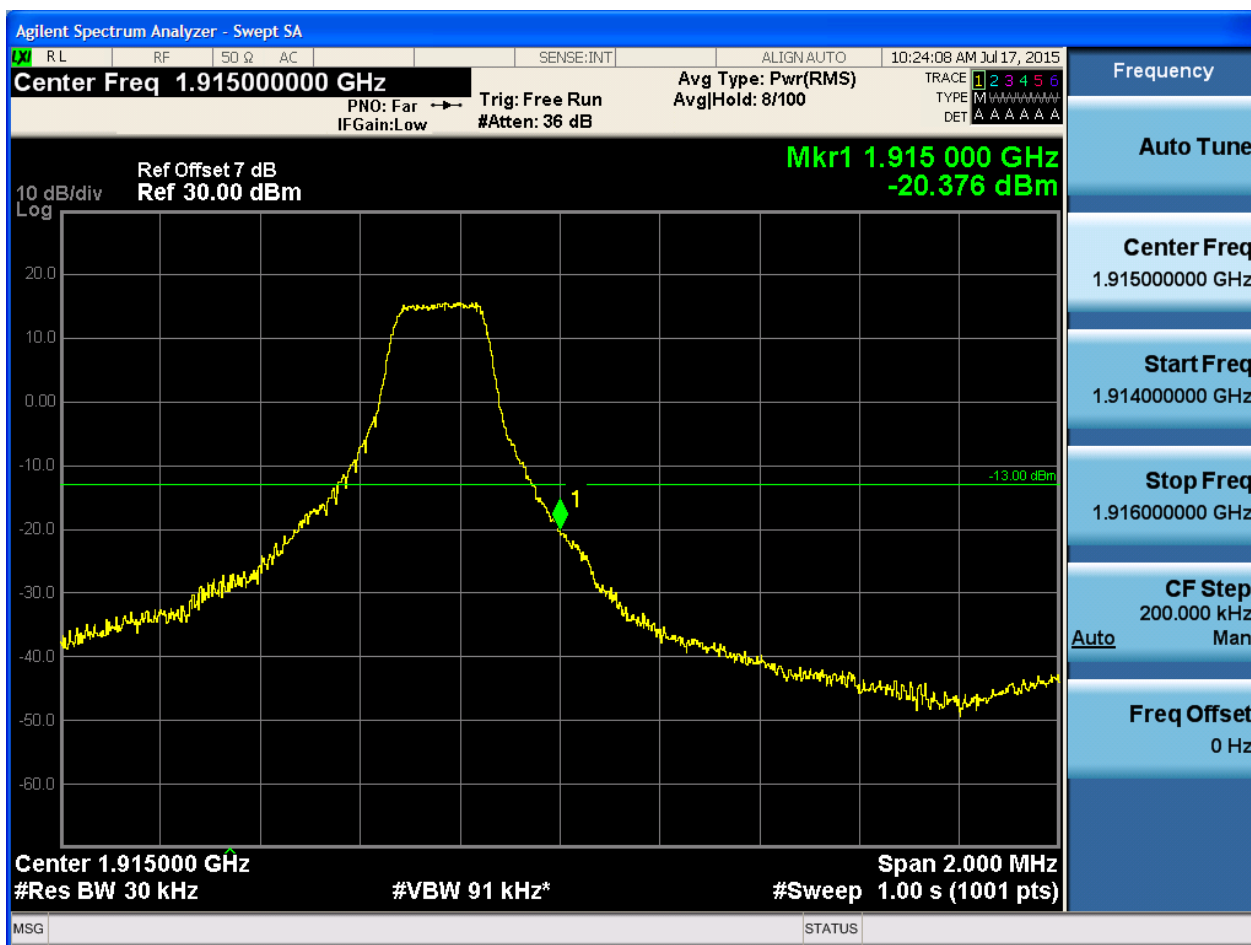
5.2.1.1.2.2 Test Channel = HCH

5.2.1.1.2.2.1 Test RB = RB1#0



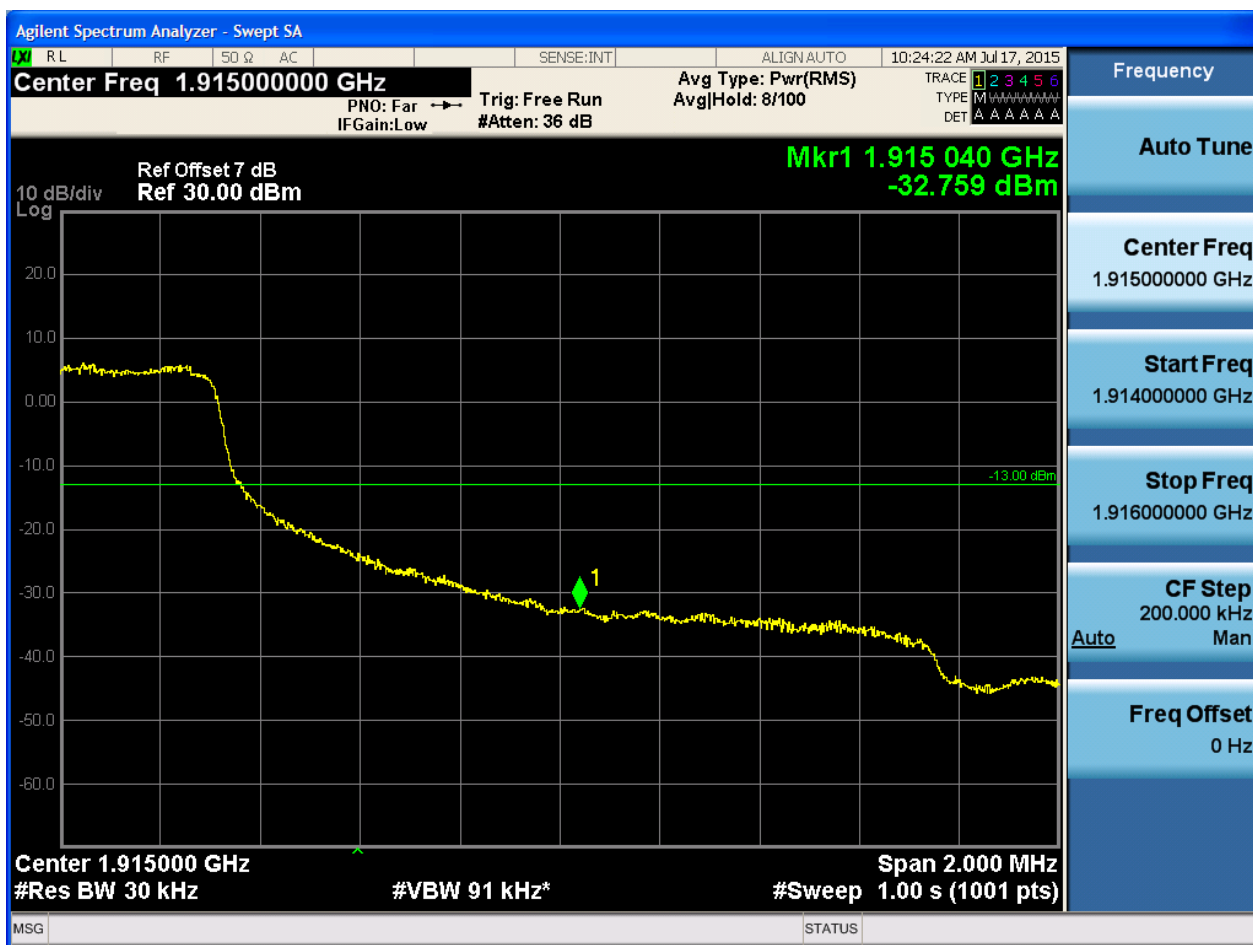


5.2.1.1.2.2.2 Test RB = RB1#14





5.2.1.1.2.2.3 Test RB = RB8#4





5.2.1.1.2.2.4 Test RB = RB15#0







5.2.1.1.3.1.2 Test RB = RB1#24





5.2.1.1.3.1.3 Test RB = RB12#6





5.2.1.1.3.1.4 Test RB = RB25#0





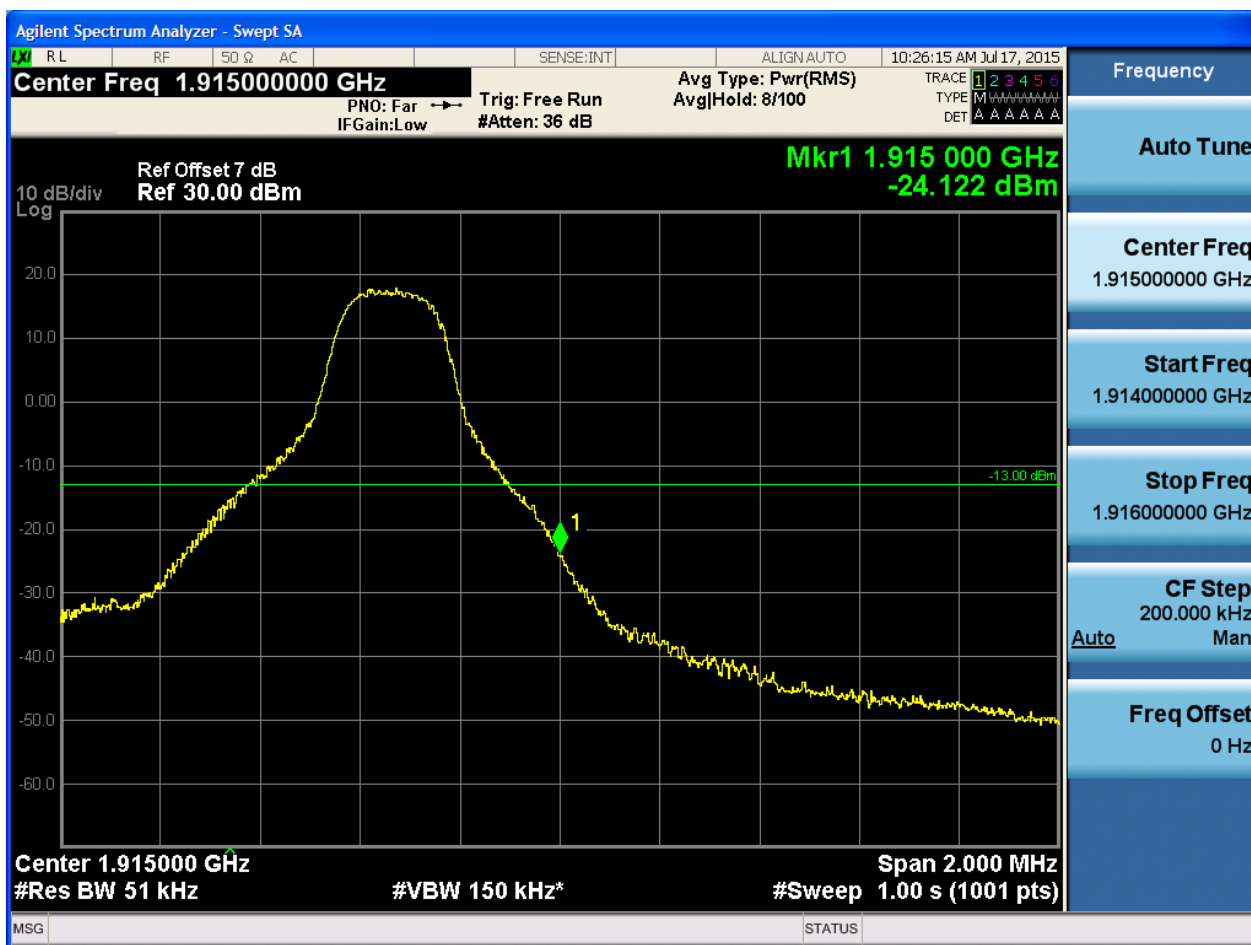
5.2.1.1.3.2 Test Channel = HCH

5.2.1.1.3.2.1 Test RB = RB1#0





5.2.1.1.3.2.2 Test RB = RB1#24





5.2.1.1.3.2.3 Test RB = RB12#6





5.2.1.1.3.2.4 Test RB = RB25#0







5.2.1.1.4.1.2 Test RB = RB1#49





5.2.1.1.4.1.3 Test RB = RB25#13



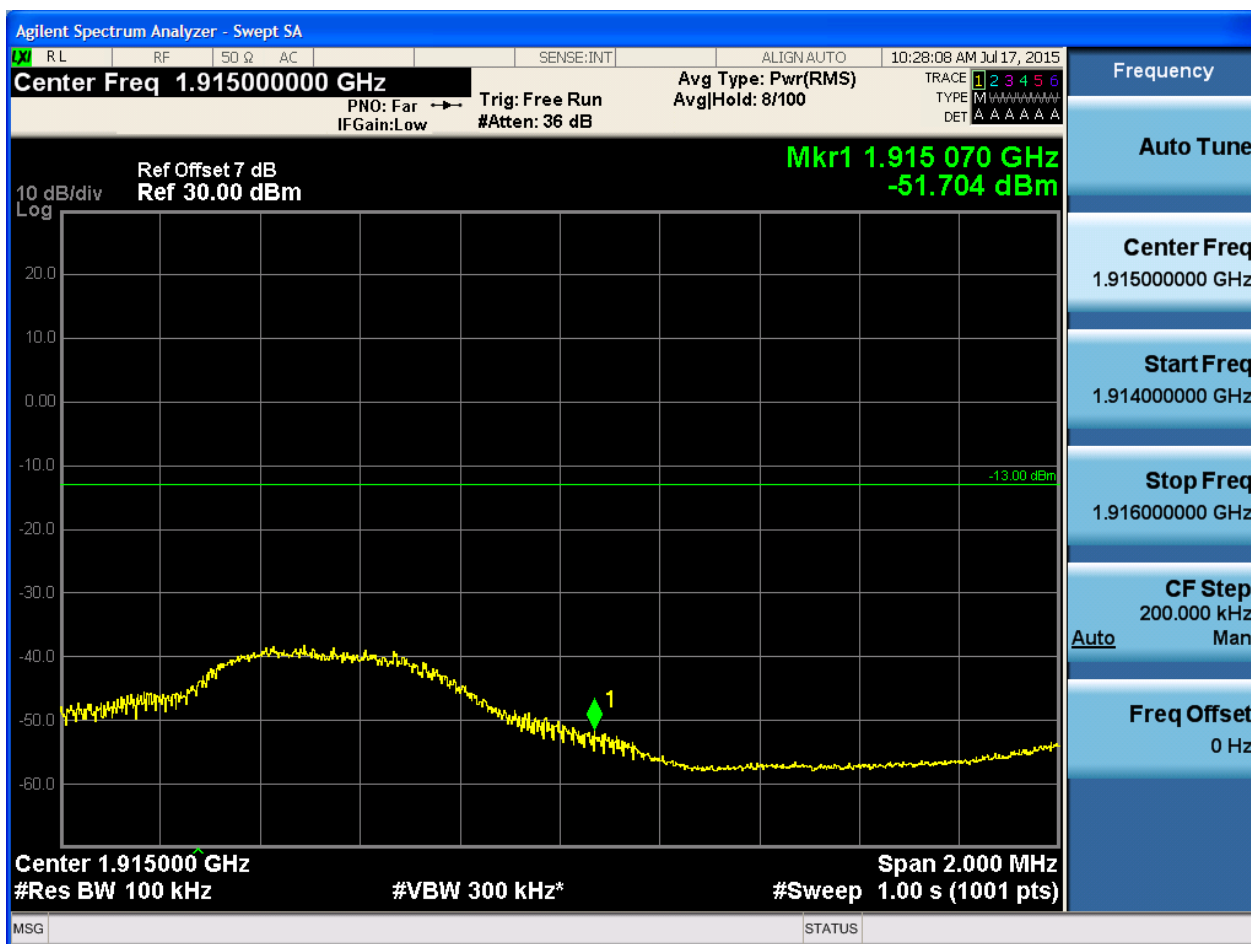


5.2.1.1.4.1.4 Test RB = RB50#0



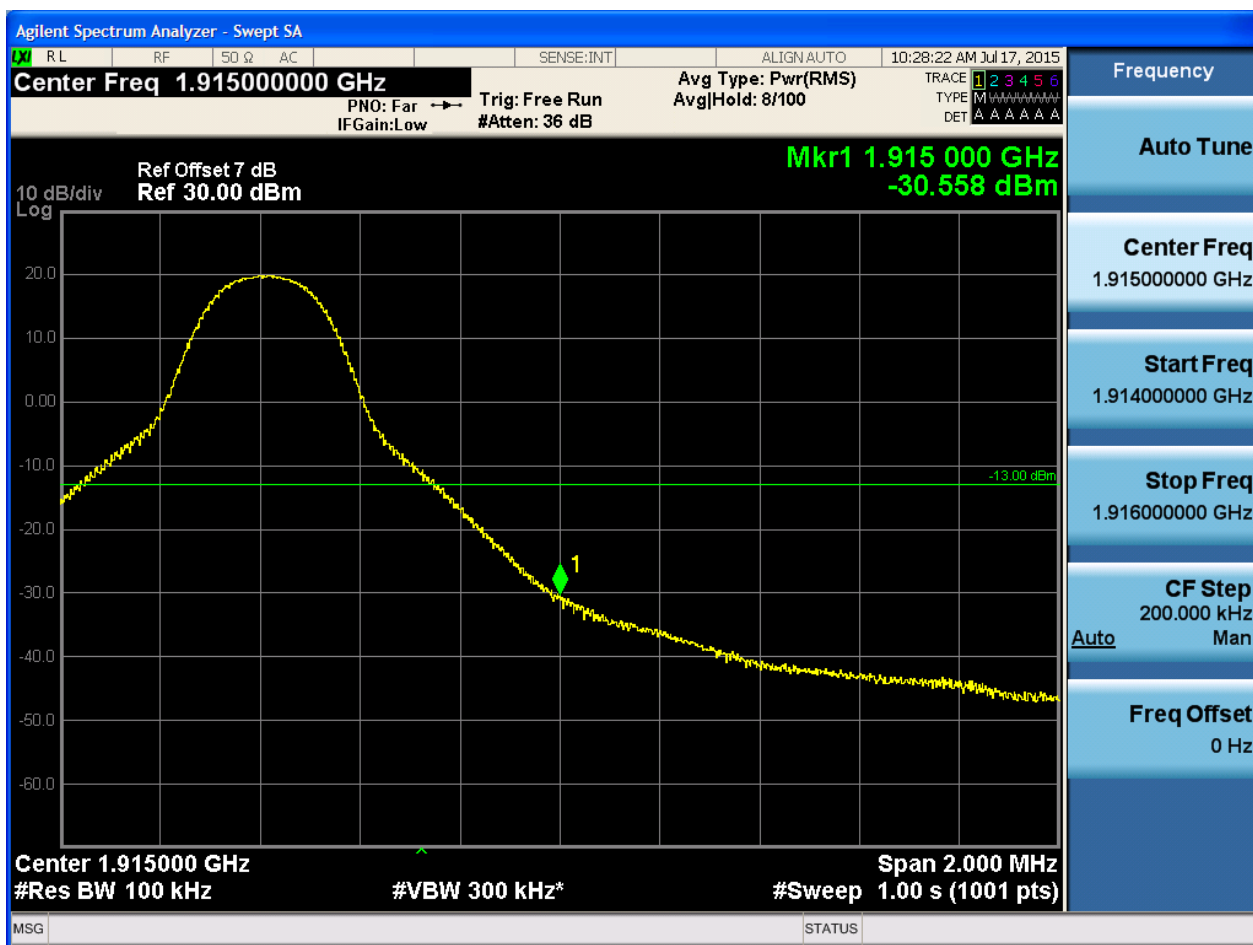
5.2.1.1.4.2 Test Channel = HCH

5.2.1.1.4.2.1 Test RB = RB1#0





5.2.1.1.4.2.2 Test RB = RB1#49





5.2.1.1.4.2.3 Test RB = RB25#13





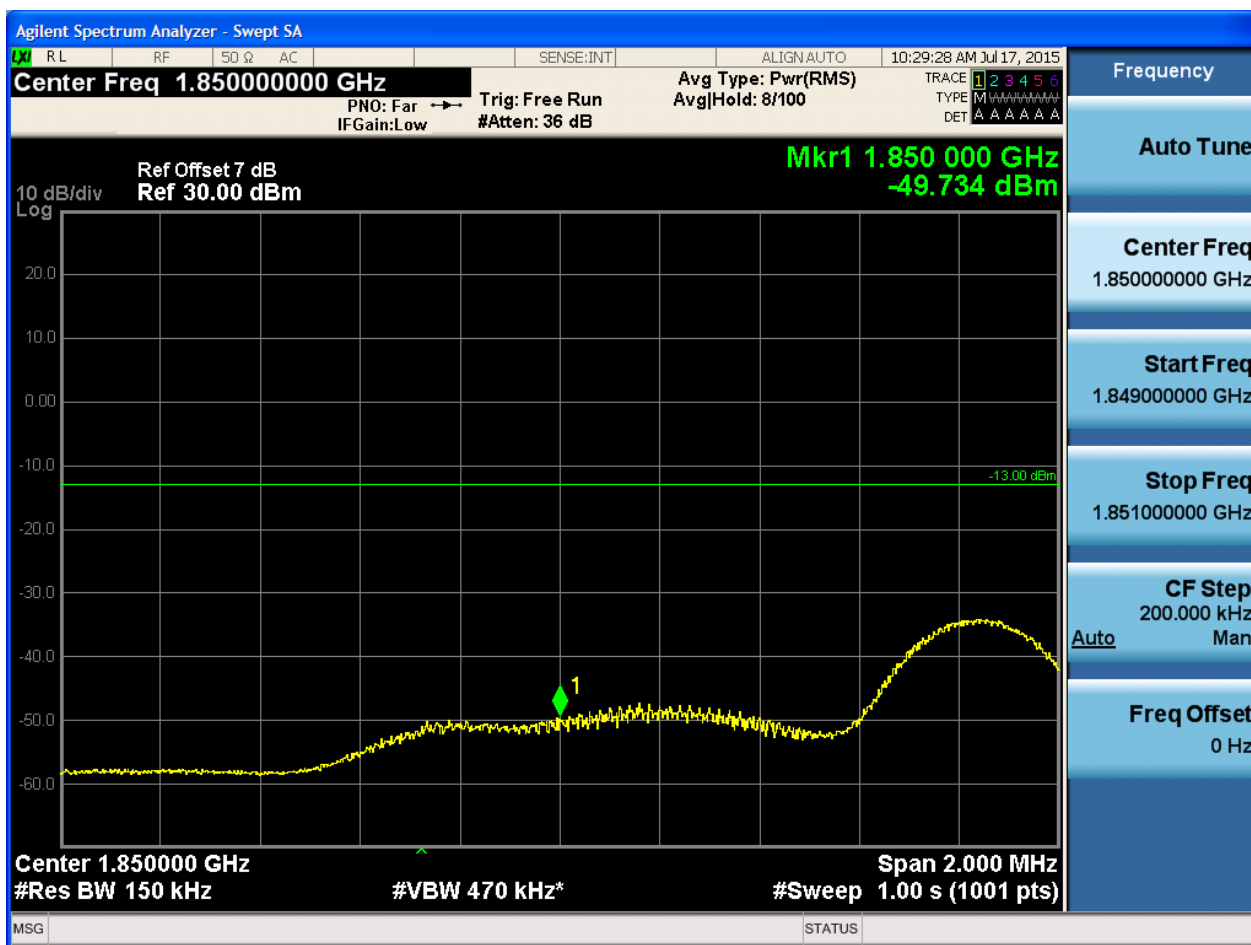
5.2.1.1.4.2.4 Test RB = RB50#0







5.2.1.1.5.1.2 Test RB = RB1#74





5.2.1.1.5.1.3 Test RB = RB38#19





5.2.1.1.5.1.4 Test RB = RB75#0



5.2.1.1.5.2 Test Channel = HCH

5.2.1.1.5.2.1 Test RB = RB1#0





5.2.1.1.5.2.2 Test RB = RB1#74



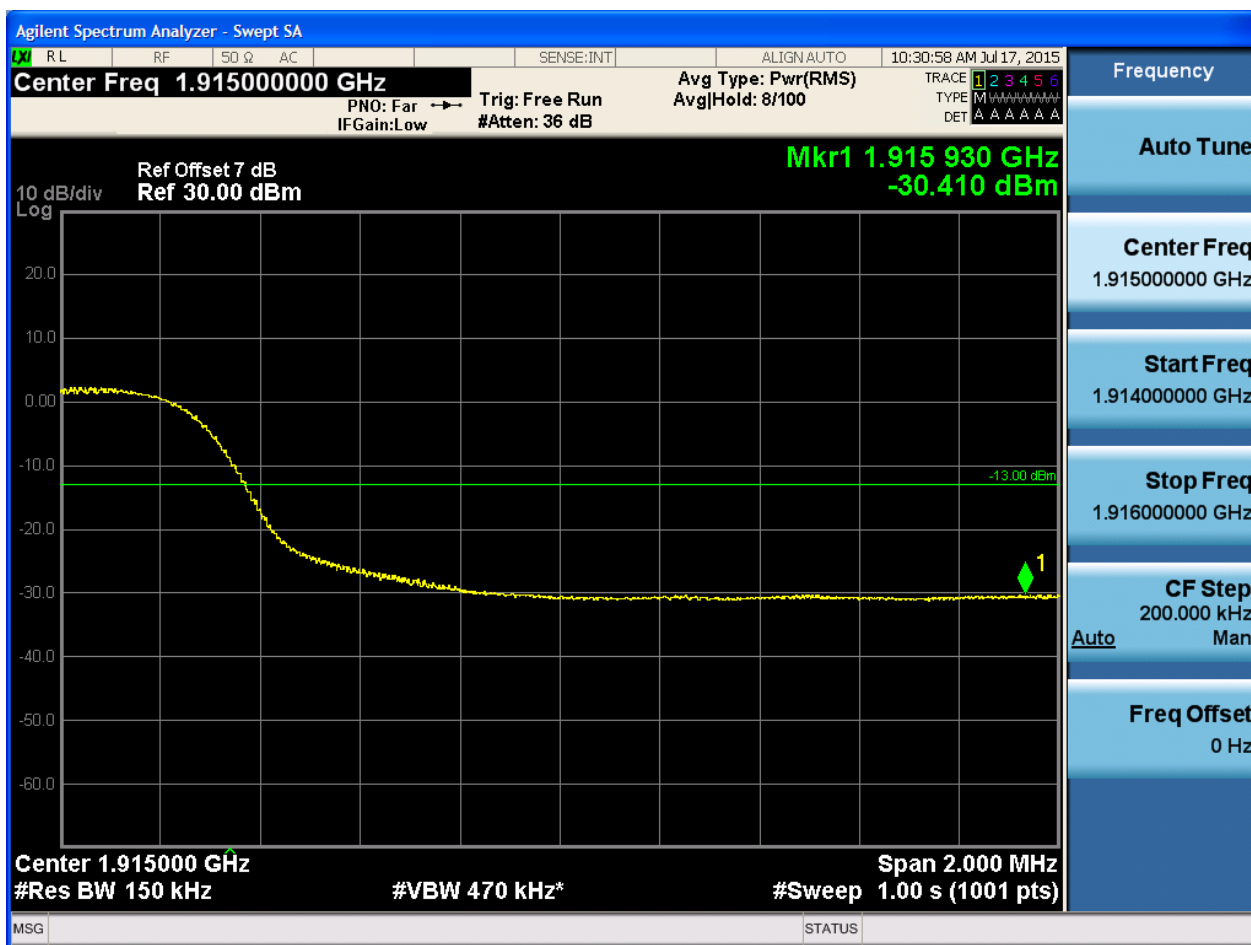


5.2.1.1.5.2.3 Test RB = RB38#19





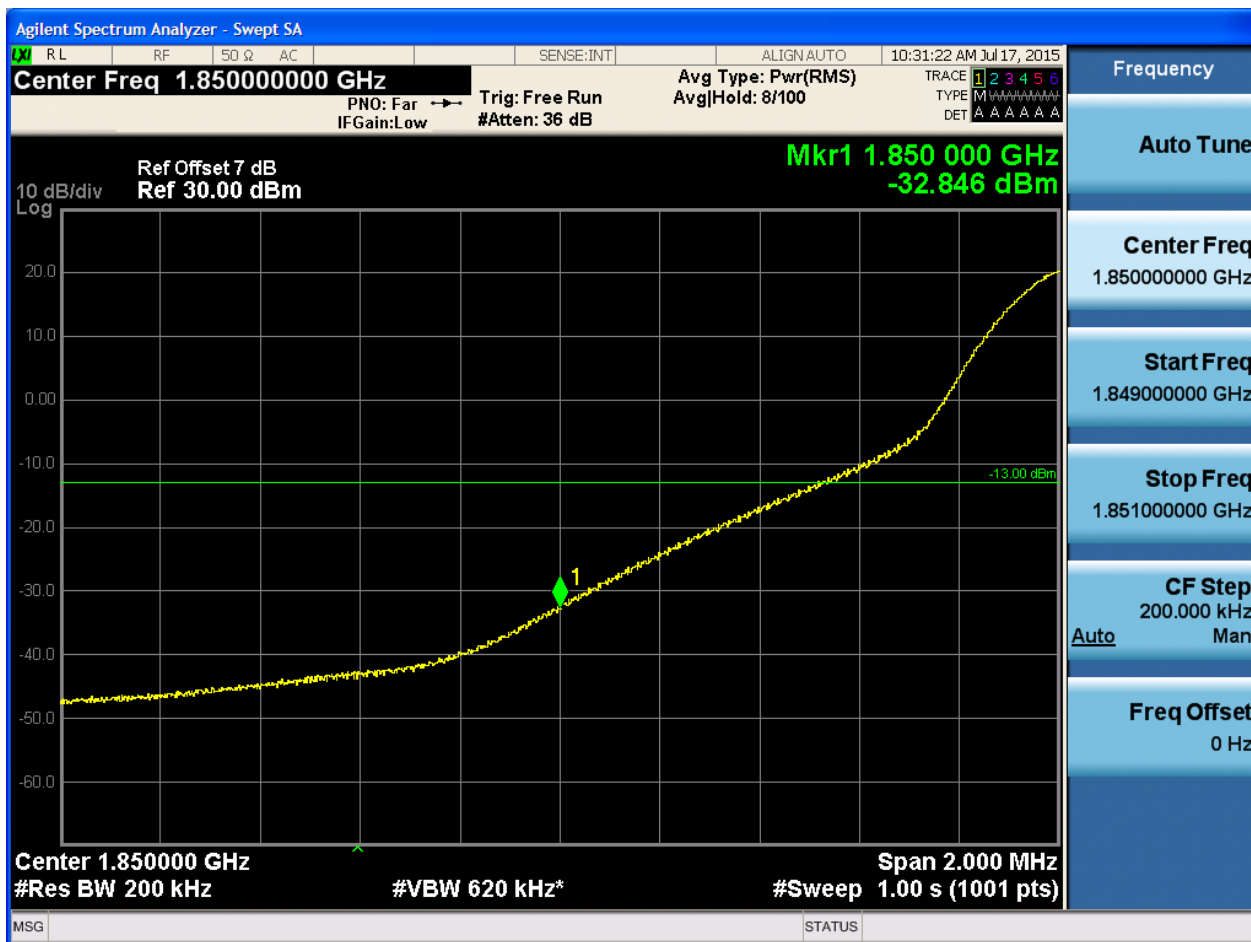
5.2.1.1.5.2.4 Test RB = RB75#0



5.2.1.1.6 Test Bandwidth = 20

5.2.1.1.6.1 Test Channel = LCH

5.2.1.1.6.1.1 Test RB = RB1#0





5.2.1.1.6.1.2 Test RB = RB1#99





5.2.1.1.6.1.3 Test RB = RB50#25



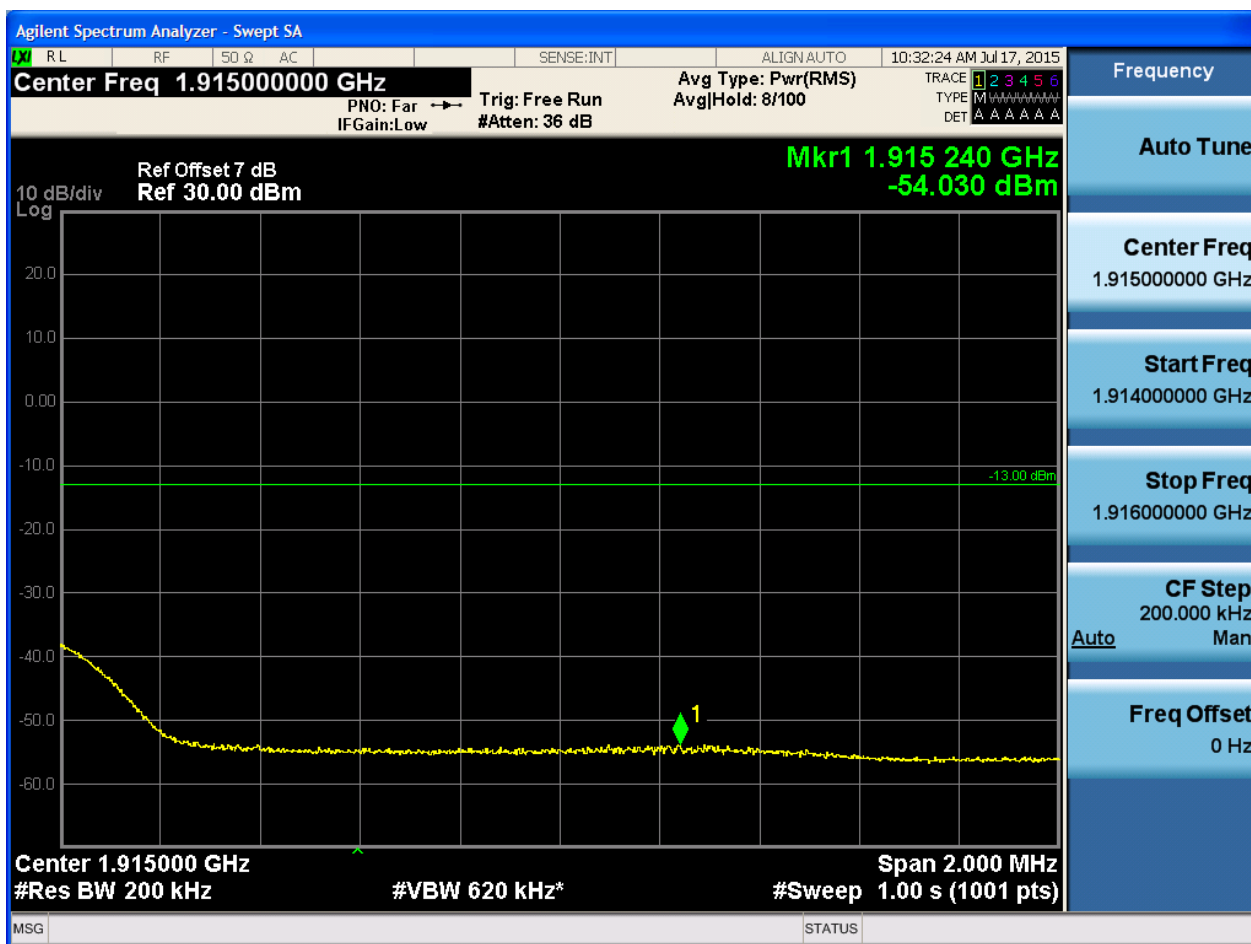


5.2.1.1.6.1.4 Test RB = RB100#0



5.2.1.1.6.2 Test Channel = HCH

5.2.1.1.6.2.1 Test RB = RB1#0





5.2.1.1.6.2.2 Test RB = RB1#99



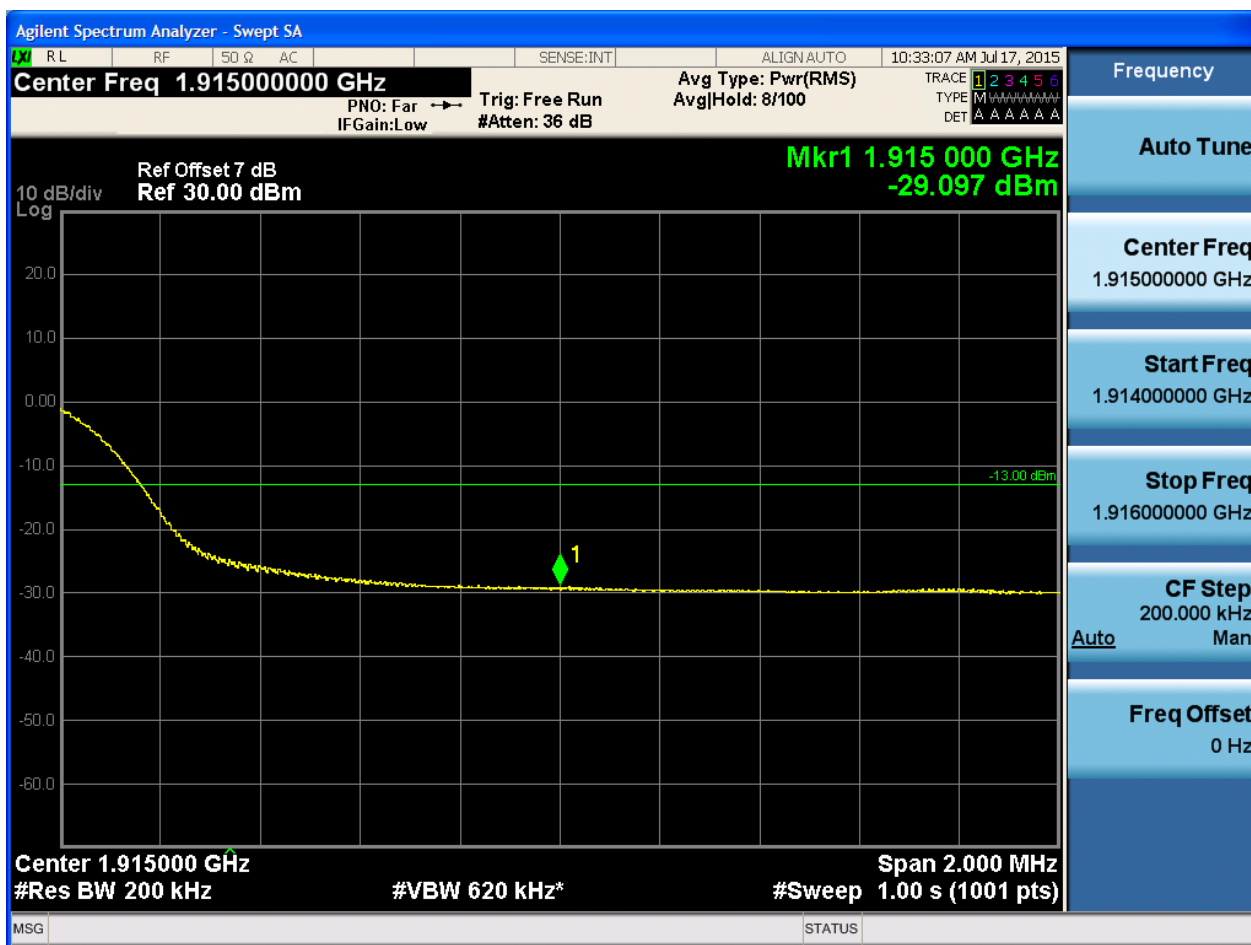


5.2.1.1.6.2.3 Test RB = RB50#25





5.2.1.1.6.2.4 Test RB = RB100#0





5.2.1.2 Test Mode = LTE/TM2

5.2.1.2.1 Test Bandwidth = 1.4

5.2.1.2.1.1 Test Channel = LCH

5.2.1.2.1.1.1 Test RB = RB1#0





5.2.1.2.1.1.2 Test RB = RB1#5





5.2.1.2.1.1.3 Test RB = RB3#2





5.2.1.2.1.1.4 Test RB = RB6#0





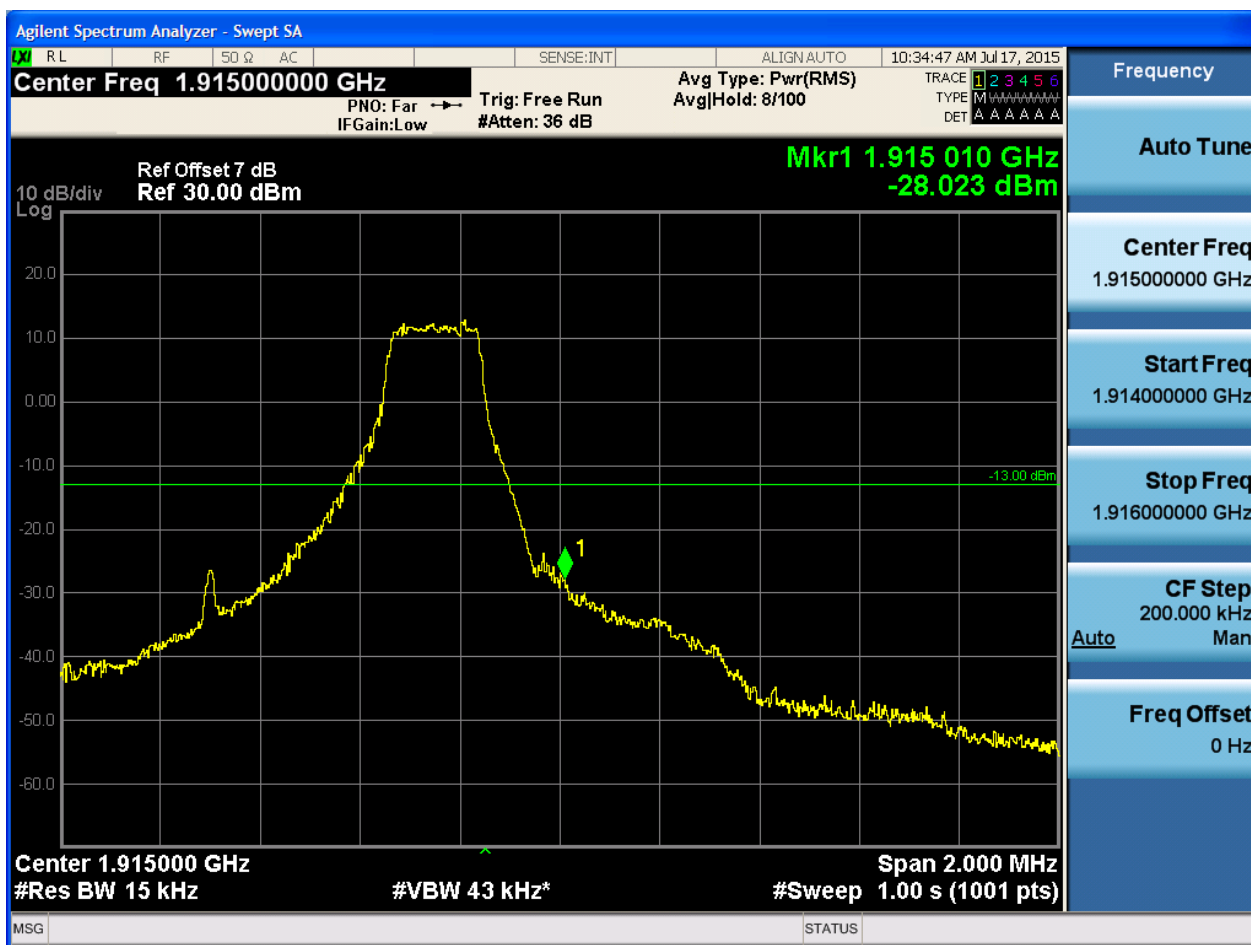
5.2.1.2.1.2 Test Channel = HCH

5.2.1.2.1.1 Test RB = RB1#0





5.2.1.2.1.2.2 Test RB = RB1#5





5.2.1.2.1.2.3 Test RB = RB3#2





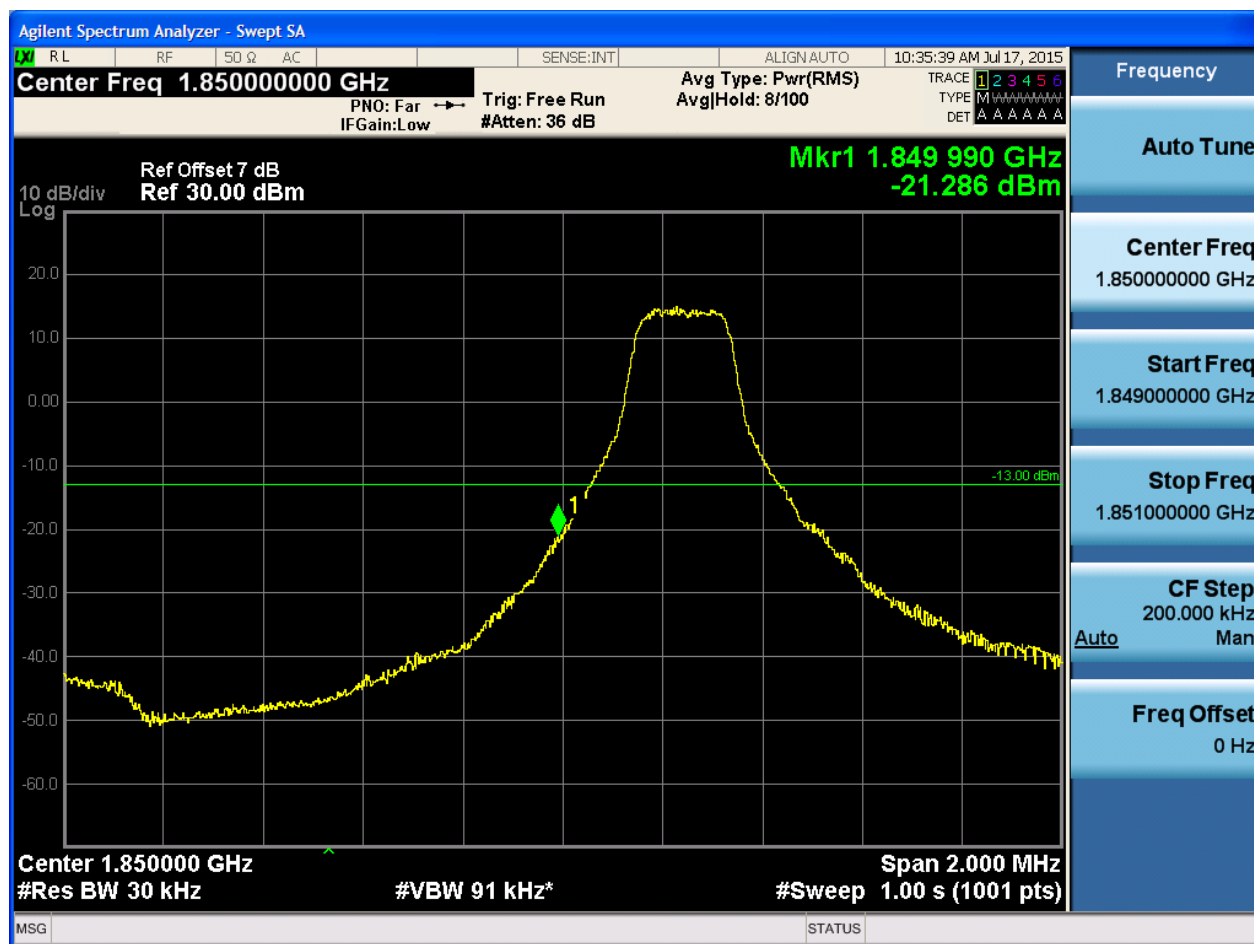
5.2.1.2.1.2.4 Test RB = RB6#0



5.2.1.2.2 Test Bandwidth = 3

5.2.1.2.2.1 Test Channel = LCH

5.2.1.2.2.1.1 Test RB = RB1#0





5.2.1.2.2.1.2 Test RB = RB1#14





5.2.1.2.2.1.3 Test RB = RB8#4





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.85000000 GHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.850 GHz
-26.495 dBm

Center 1.850000 GHz
#Res BW 30 kHz
#VBW 91 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.85000000 GHz

Start Freq
1.849000000 GHz

Stop Freq
1.851000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz

The image displays an Agilent Spectrum Analyzer interface. The main plot area shows a swept signal with a rising edge. The y-axis is labeled '10 dB/div Log' and ranges from -60.0 to 20.0 dBm. The x-axis represents frequency. A green horizontal line is drawn at -13.00 dBm. A marker labeled '1' is placed on the rising edge of the signal. The right side of the interface contains a panel with various settings: 'Frequency' (1.850 GHz), 'Auto Tune' (checked), 'Center Freq' (1.85000000 GHz), 'Start Freq' (1.849000000 GHz), 'Stop Freq' (1.851000000 GHz), 'CF Step' (200.000 kHz, Man), and 'Freq Offset' (0 Hz). The bottom status bar shows 'Center 1.850000 GHz', '#Res BW 30 kHz', '#VBW 91 kHz*', 'Span 2.000 MHz', and '#Sweep 1.00 s (1001 pts)'.



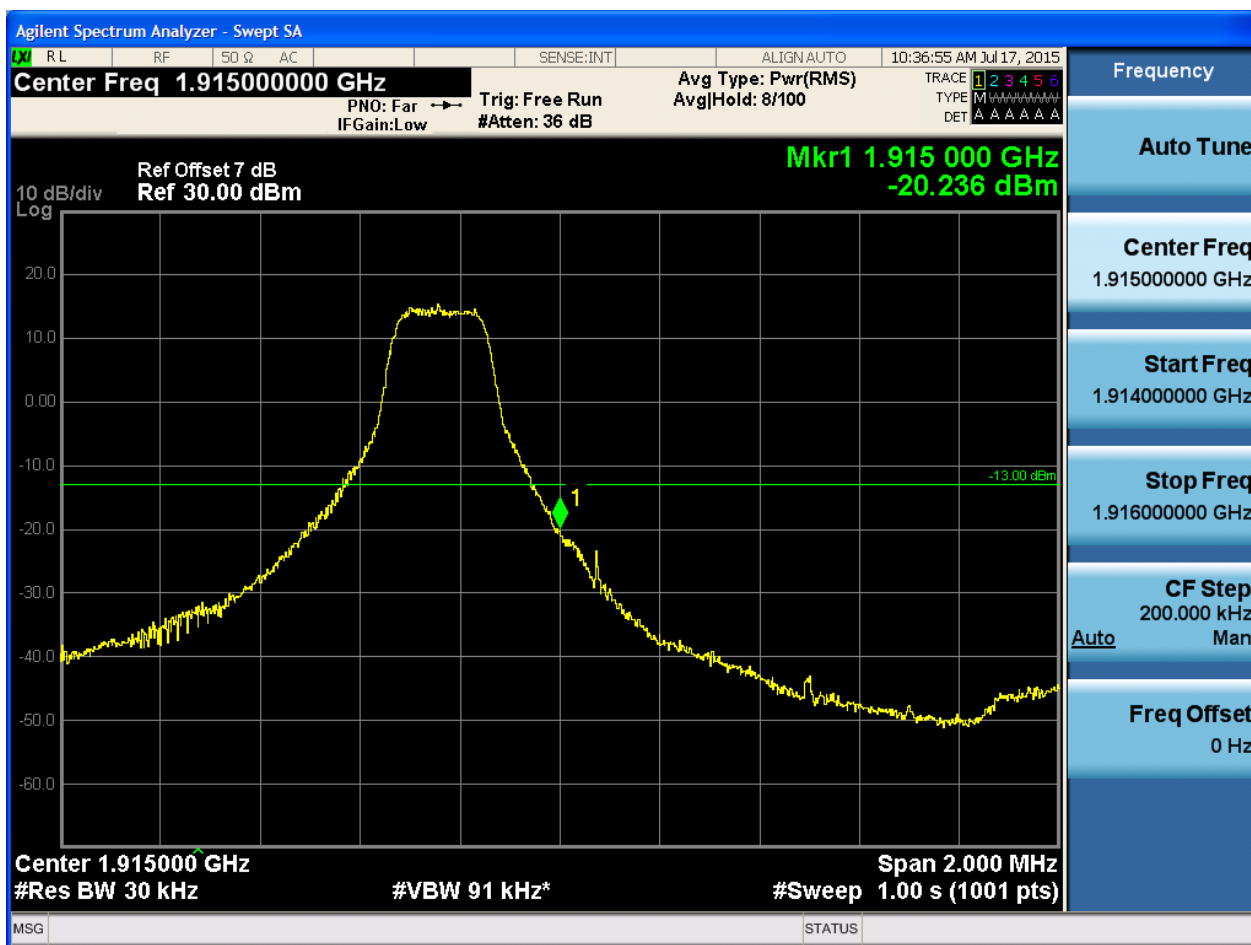
5.2.1.2.2.2 Test Channel = HCH

5.2.1.2.2.2.1 Test RB = RB1#0





5.2.1.2.2.2 Test RB = RB1#14





5.2.1.2.2.3 Test RB = RB8#4





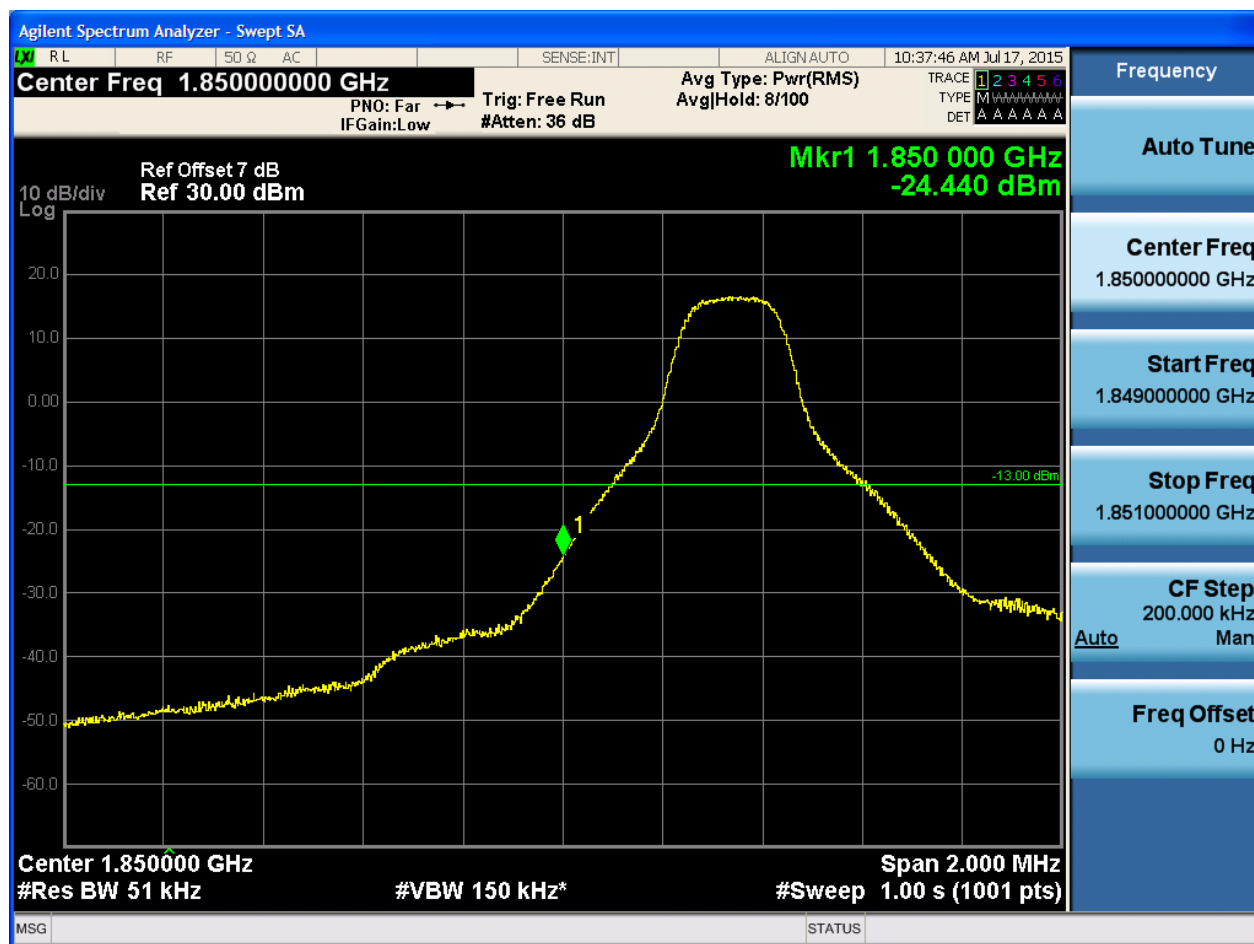
5.2.1.2.2.4 Test RB = RB15#0



5.2.1.2.3 Test Bandwidth = 5

5.2.1.2.3.1 Test Channel = LCH

5.2.1.2.3.1.1 Test RB = RB1#0





5.2.1.2.3.1.2 Test RB = RB1#24





5.2.1.2.3.1.3 Test RB = RB12#6





5.2.1.2.3.1.4 Test RB = RB25#0





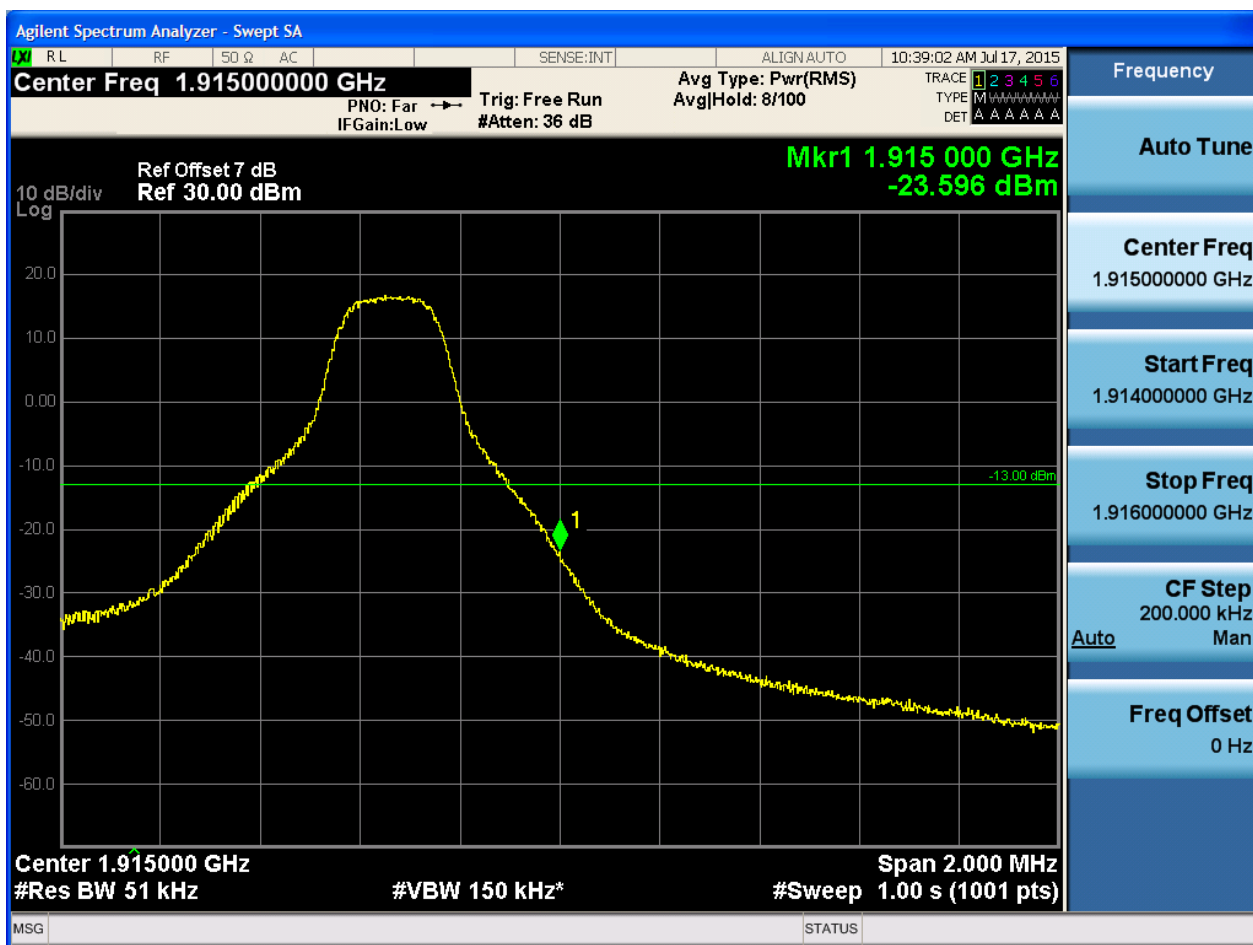
5.2.1.2.3.2 Test Channel = HCH

5.2.1.2.3.2.1 Test RB = RB1#0





5.2.1.2.3.2.2 Test RB = RB1#24





5.2.1.2.3.2.3 Test RB = RB12#6





5.2.1.2.3.2.4 Test RB = RB25#0

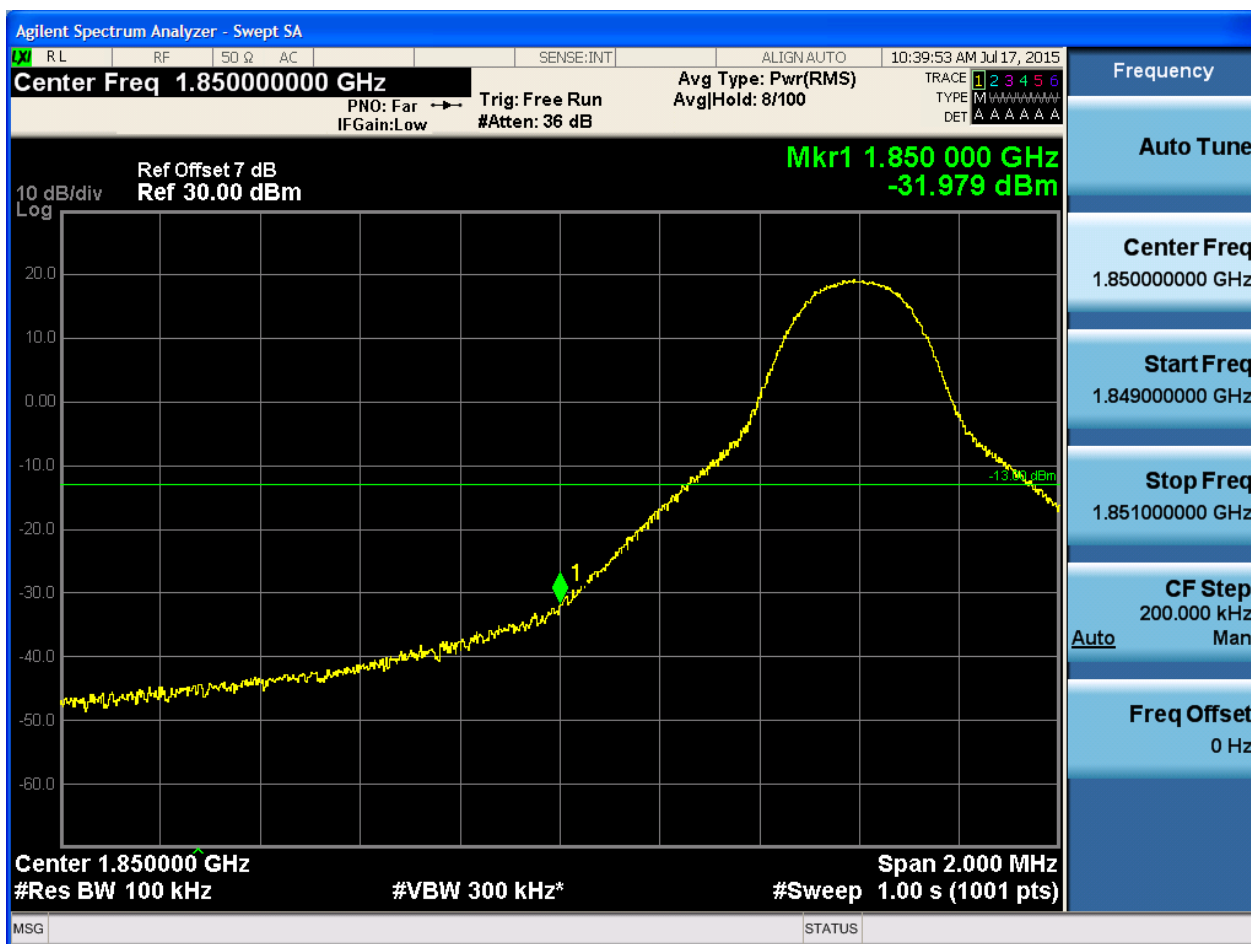




5.2.1.2.4 Test Bandwidth = 10

5.2.1.2.4.1 Test Channel = LCH

5.2.1.2.4.1.1 Test RB = RB1#0





5.2.1.2.4.1.2 Test RB = RB1#49





5.2.1.2.4.1.3 Test RB = RB25#13





5.2.1.2.4.1.4 Test RB = RB50#0



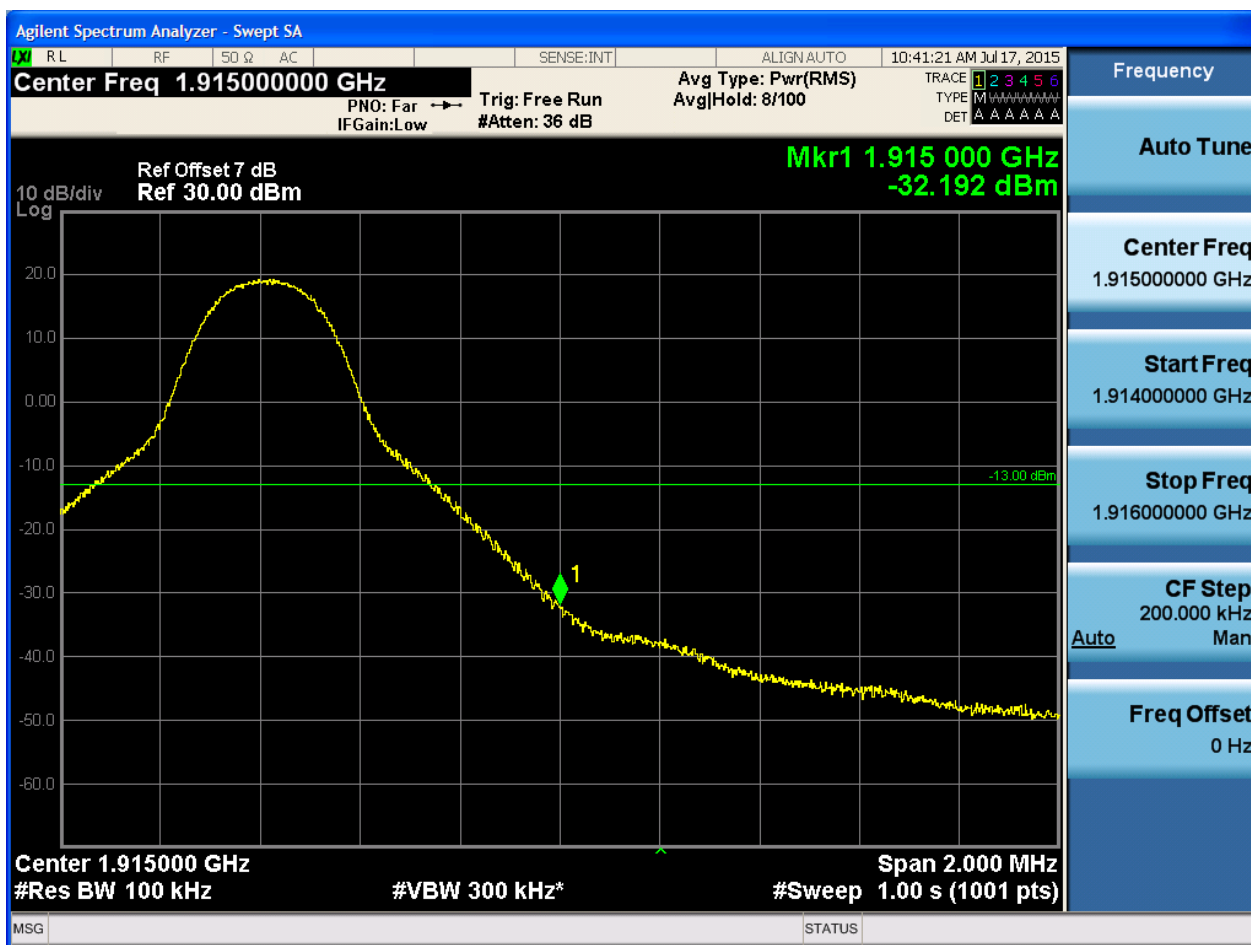
5.2.1.2.4.2 Test Channel = HCH

5.2.1.2.4.2.1 Test RB = RB1#0



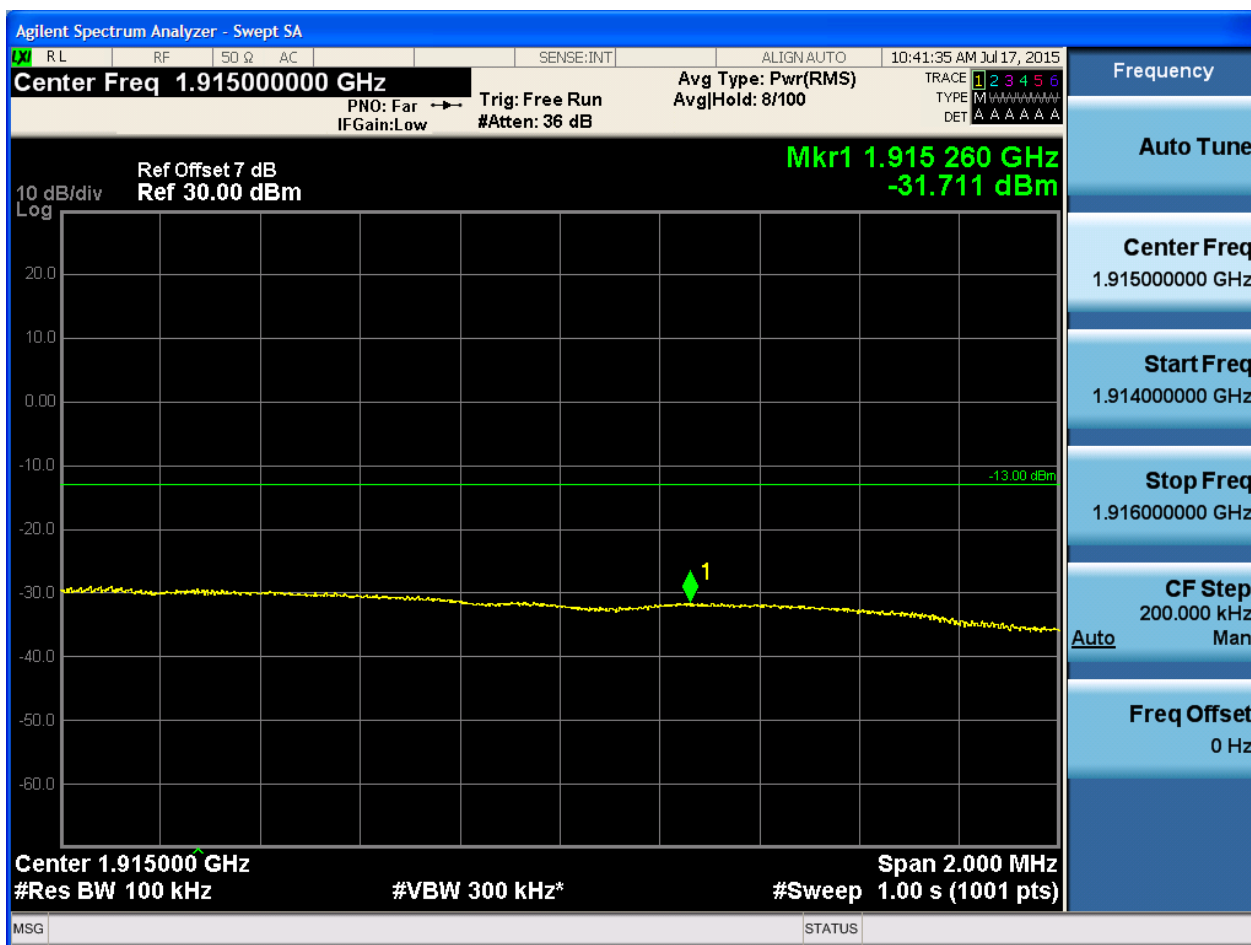


5.2.1.2.4.2.2 Test RB = RB1#49



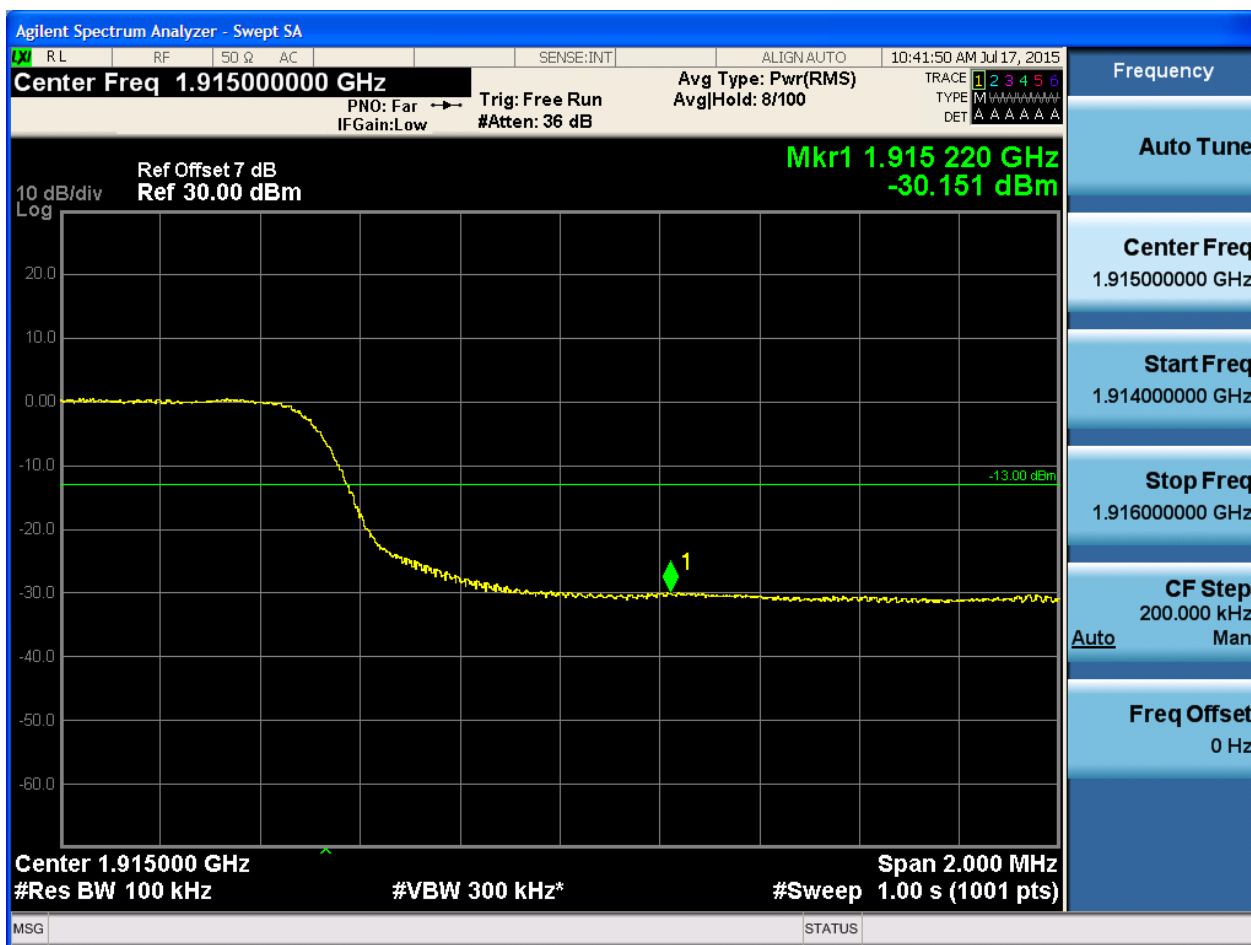


5.2.1.2.4.2.3 Test RB = RB25#13





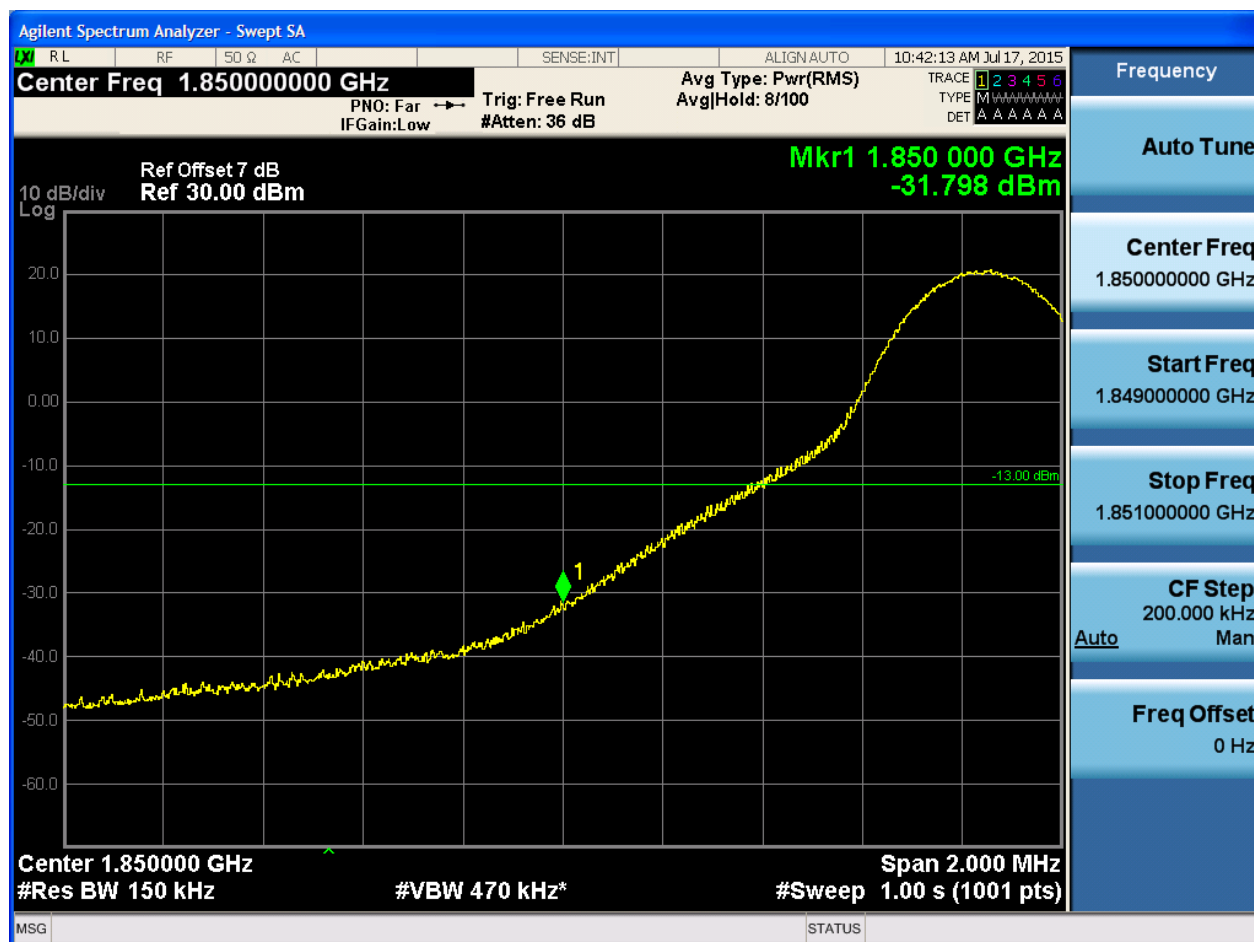
5.2.1.2.4.2.4 Test RB = RB50#0



5.2.1.2.5 Test Bandwidth = 15

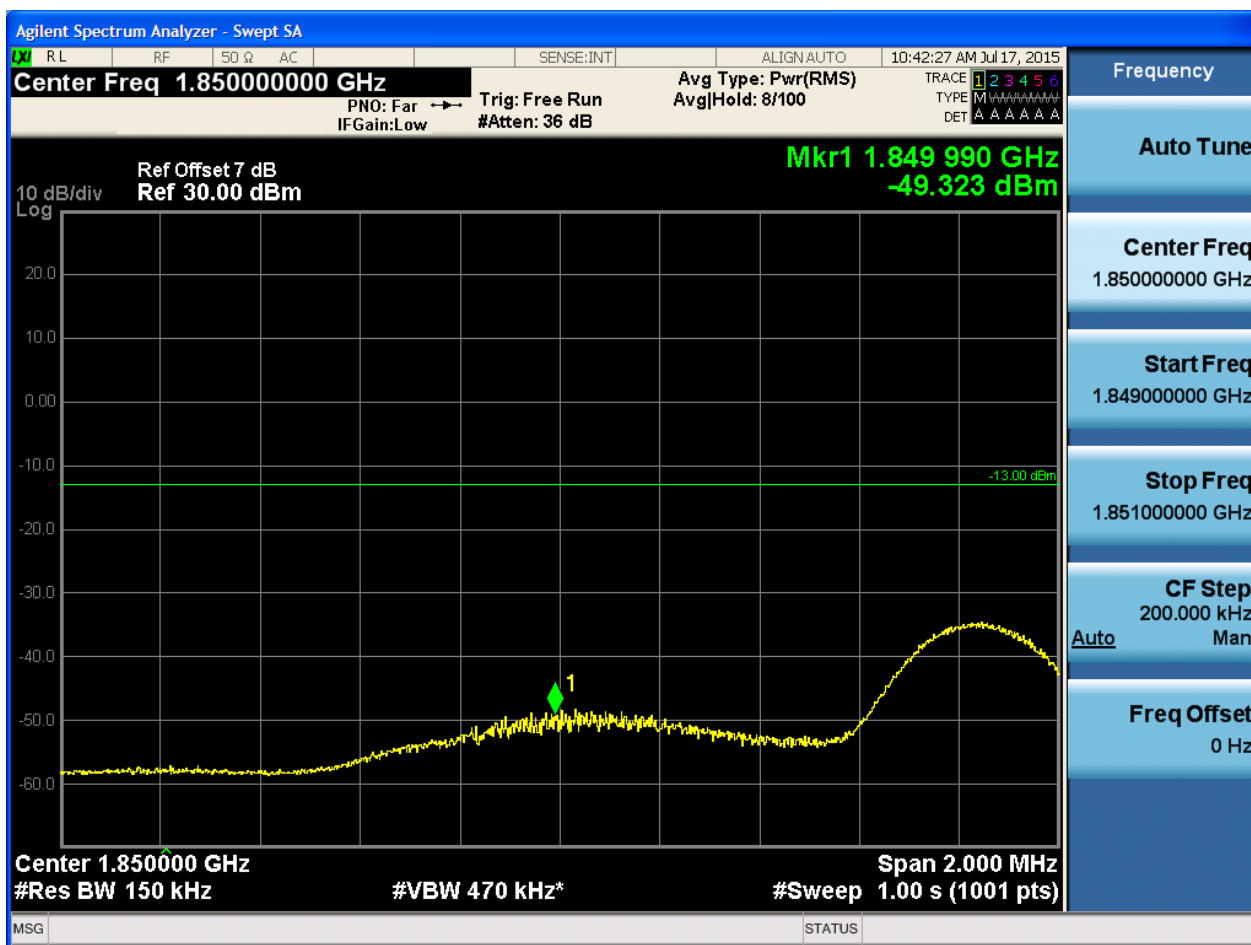
5.2.1.2.5.1 Test Channel = LCH

5.2.1.2.5.1.1 Test RB = RB1#0





5.2.1.2.5.1.2 Test RB = RB1#74





5.2.1.2.5.1.3 Test RB = RB38#19





5.2.1.2.5.1.4 Test RB = RB75#0





5.2.1.2.5.2 Test Channel = HCH

5.2.1.2.5.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 1.915000000 GHz

Ref Offset 7 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 1.915 000 GHz
-32.362 dBm

Center 1.915000 GHz
#Res BW 150 kHz
#VBW 470 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
1.915000000 GHz

Start Freq
1.914000000 GHz

Stop Freq
1.916000000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz

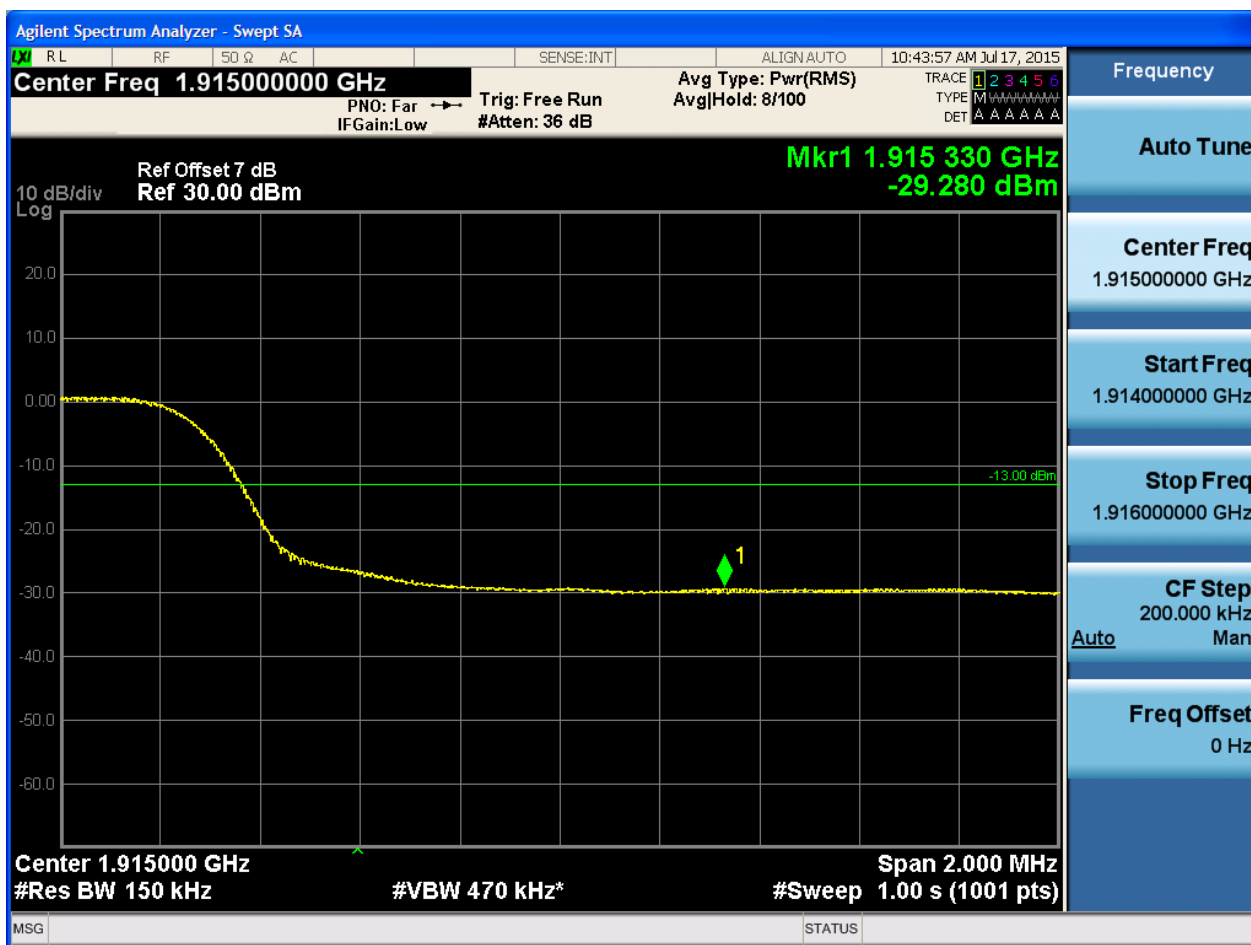


5.2.1.2.5.2.3 Test RB = RB38#19





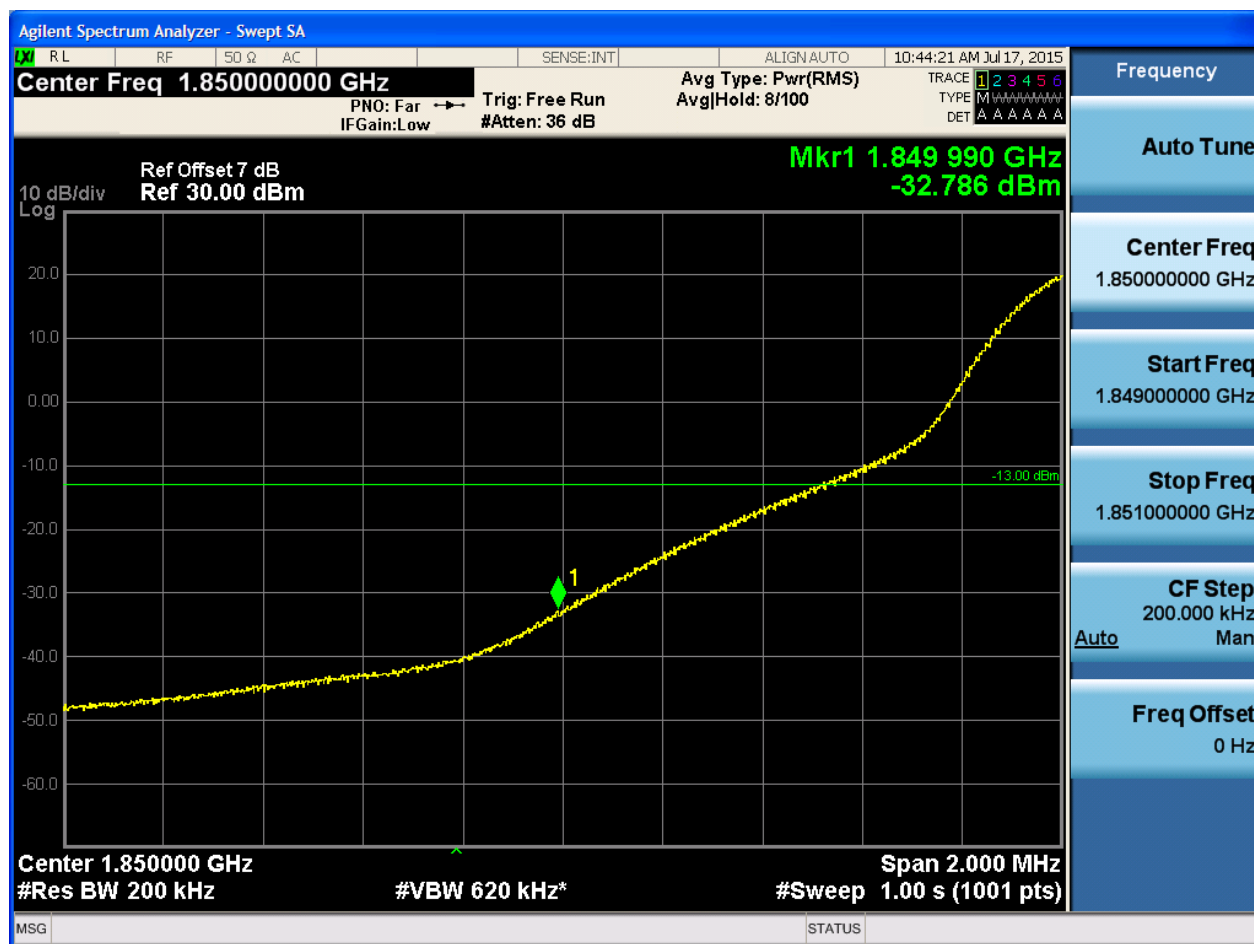
5.2.1.2.5.2.4 Test RB = RB75#0



5.2.1.2.6 Test Bandwidth = 20

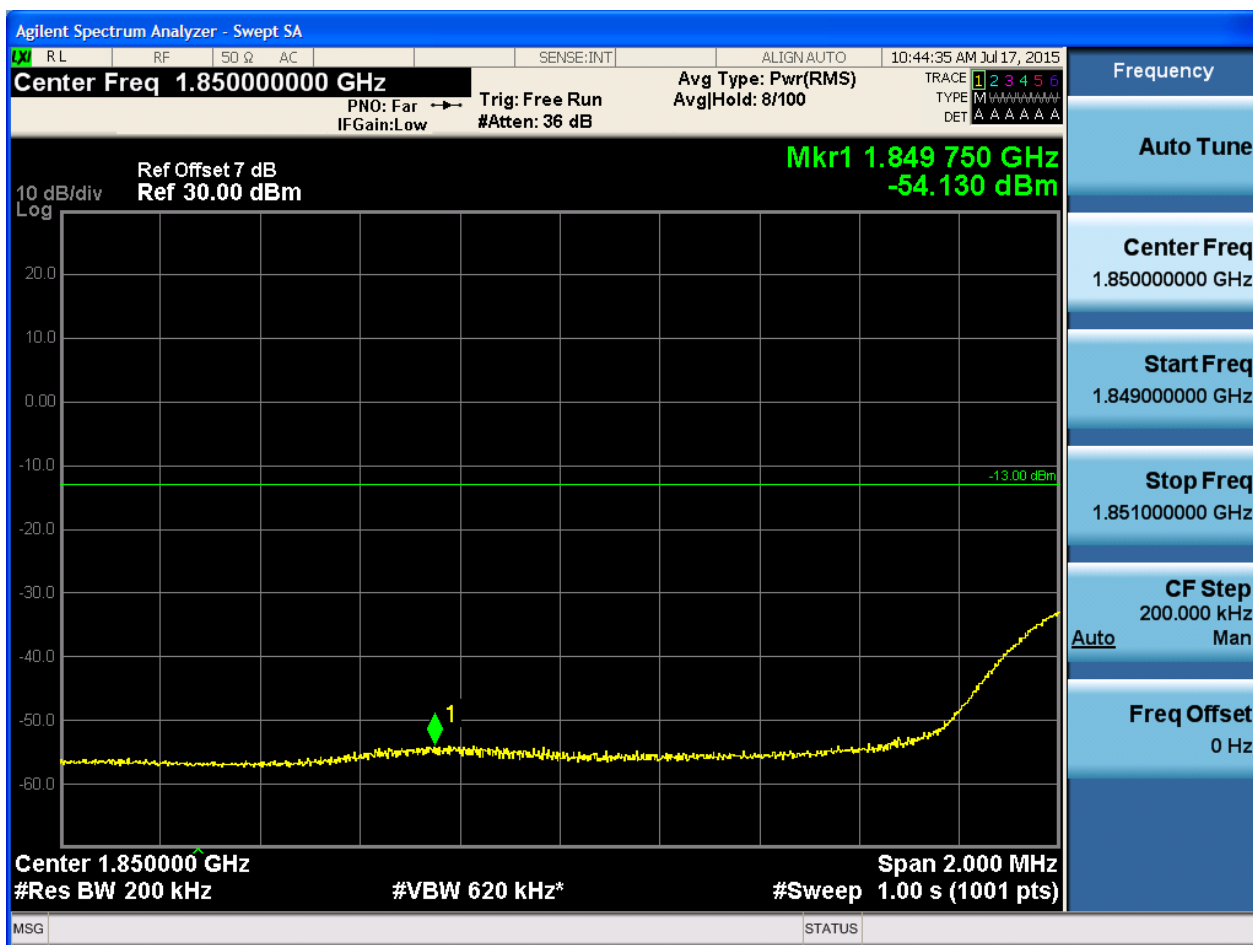
5.2.1.2.6.1 Test Channel = LCH

5.2.1.2.6.1.1 Test RB = RB1#0





5.2.1.2.6.1.2 Test RB = RB1#99



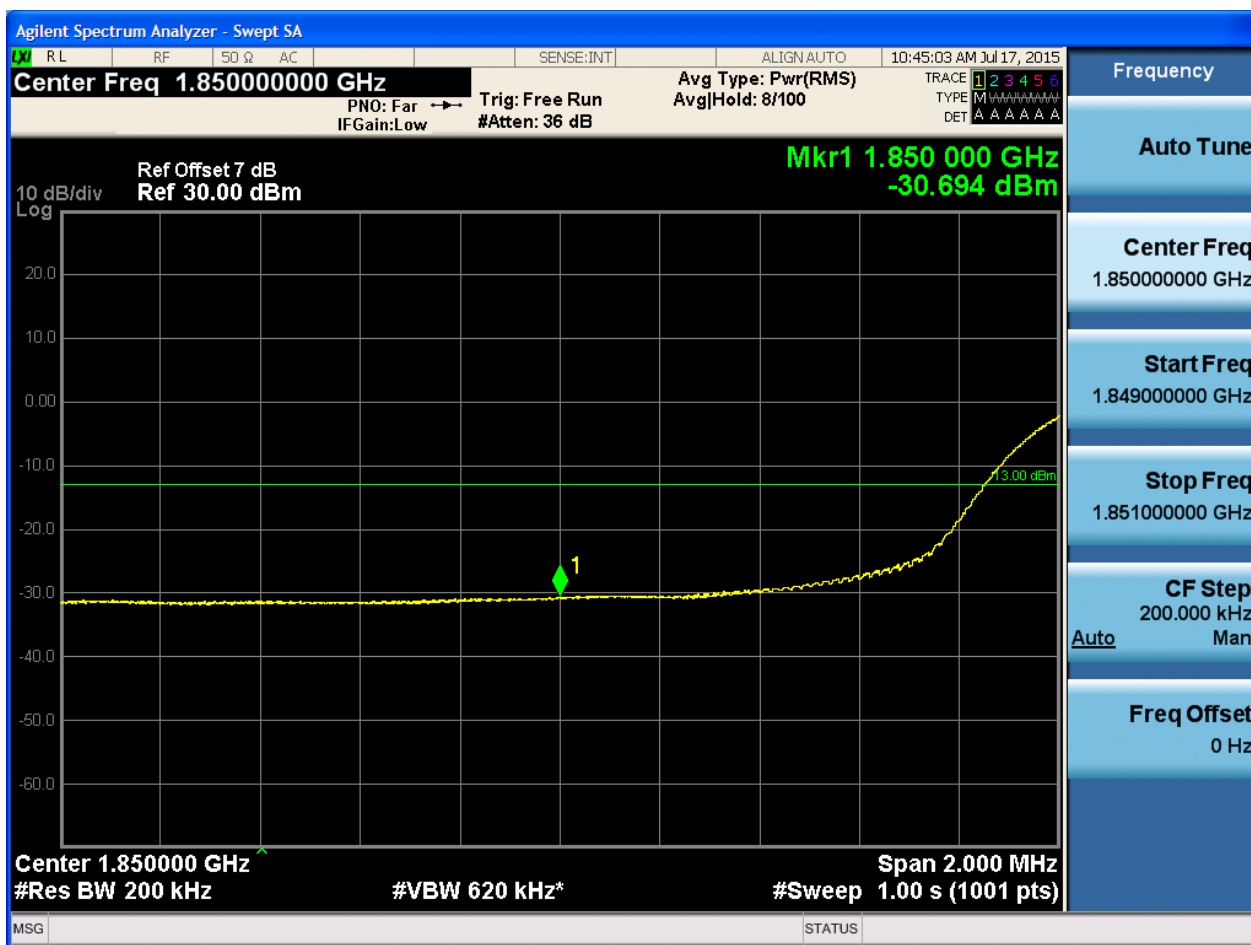


5.2.1.2.6.1.3 Test RB = RB50#25





5.2.1.2.6.1.4 Test RB = RB100#0





5.2.1.2.6.2 Test Channel = HCH

5.2.1.2.6.2.1 Test RB = RB1#0



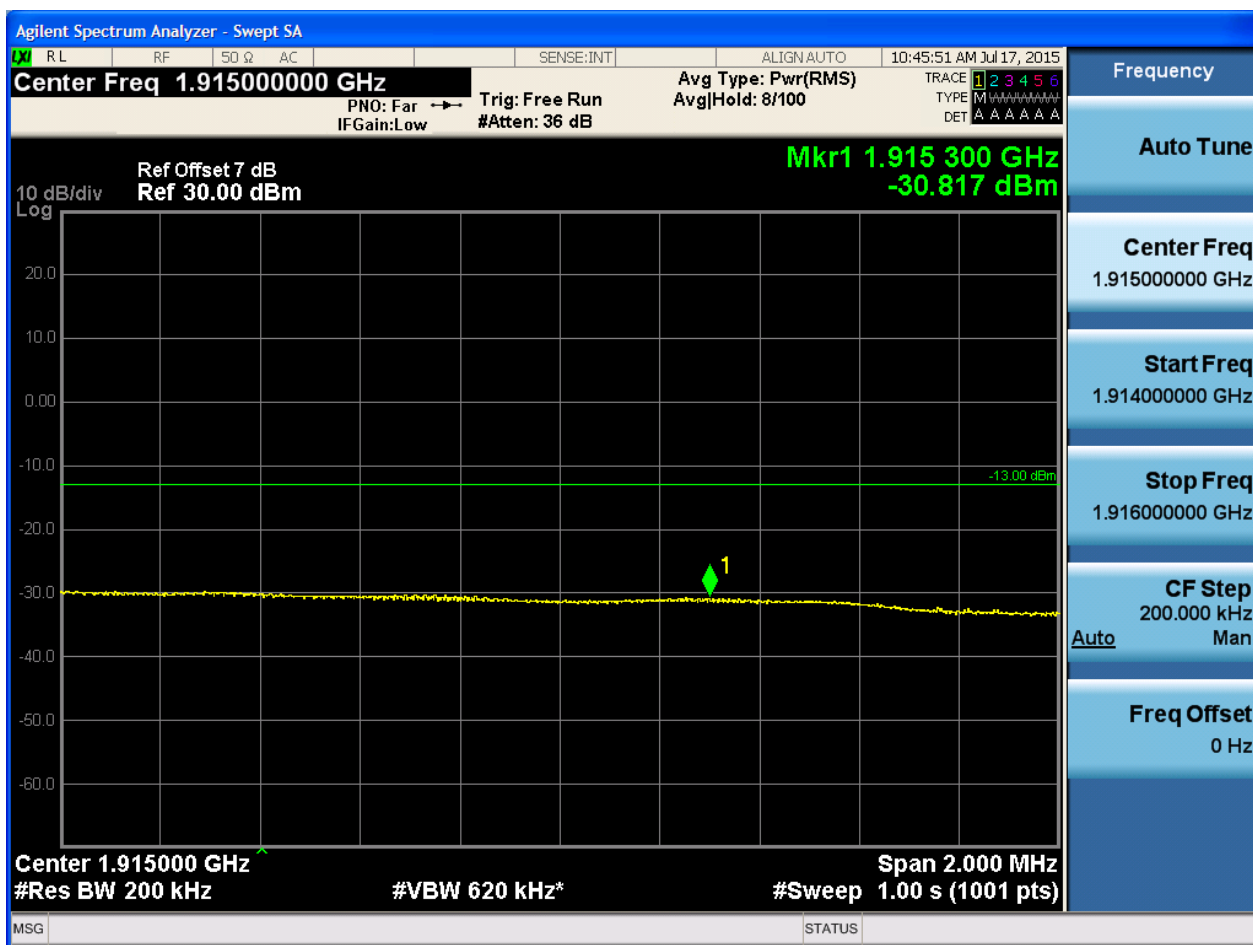


5.2.1.2.6.2.2 Test RB = RB1#99



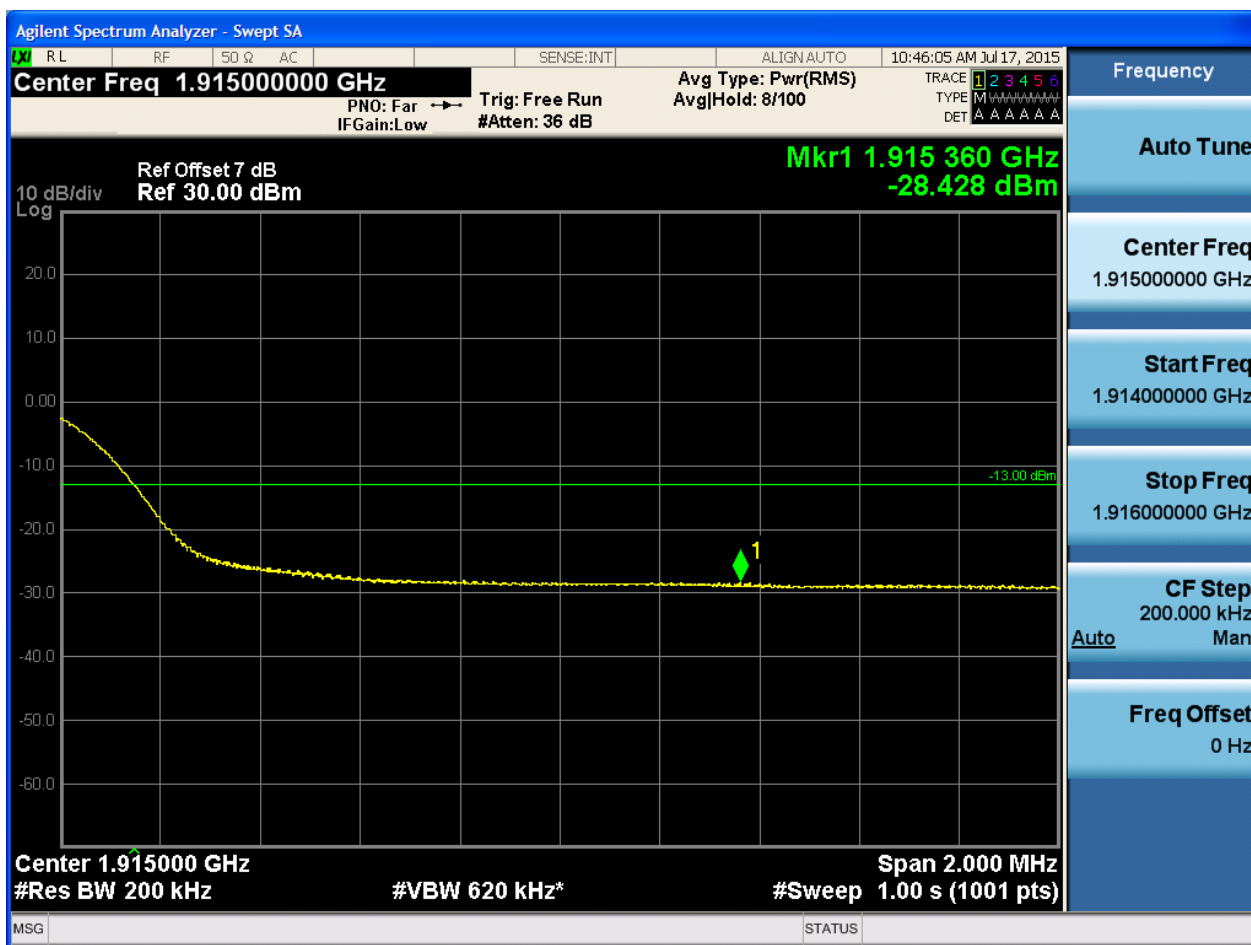


5.2.1.2.6.2.3 Test RB = RB50#25





5.2.1.2.6.2.4 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

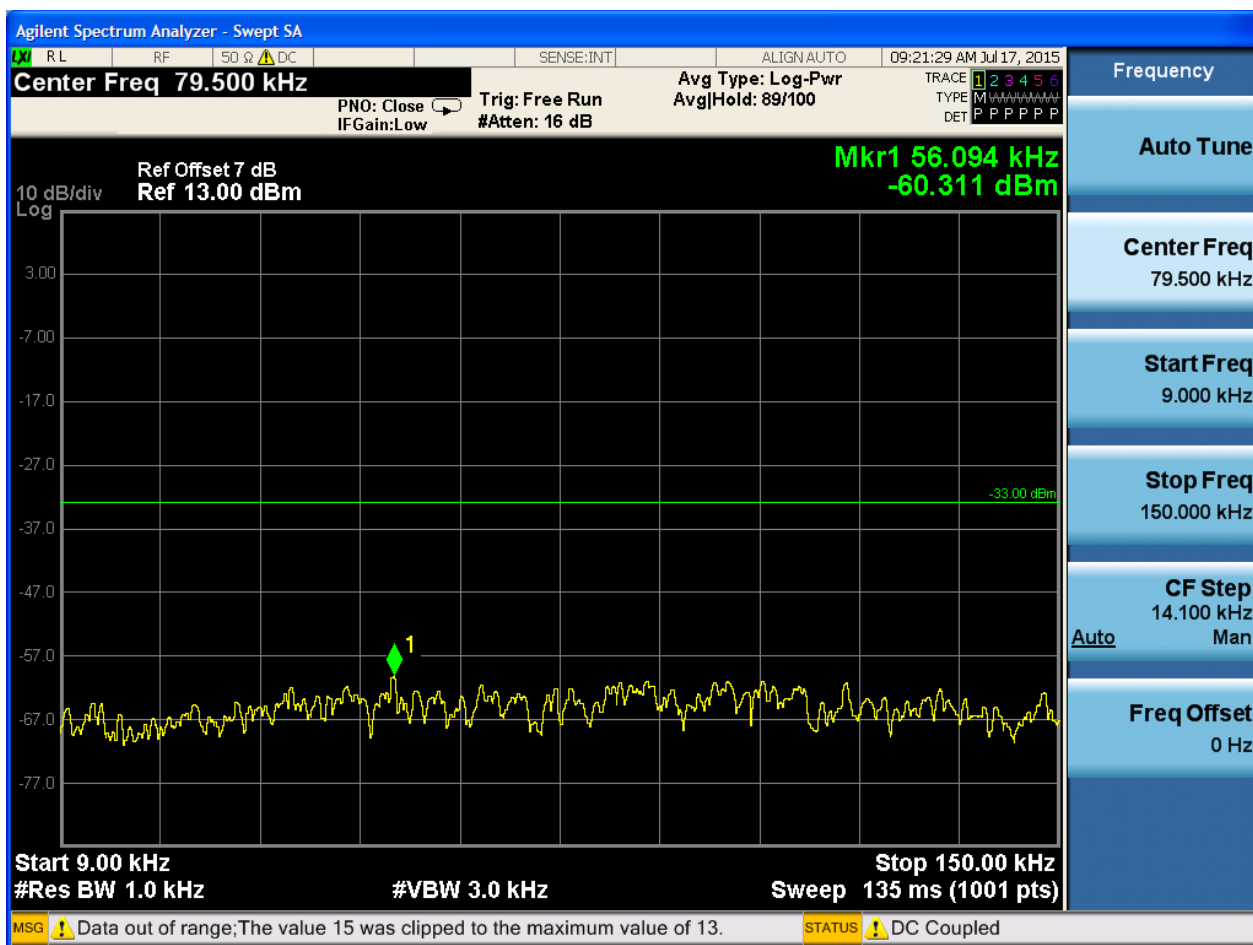
6.1.1 Test Band = BAND17

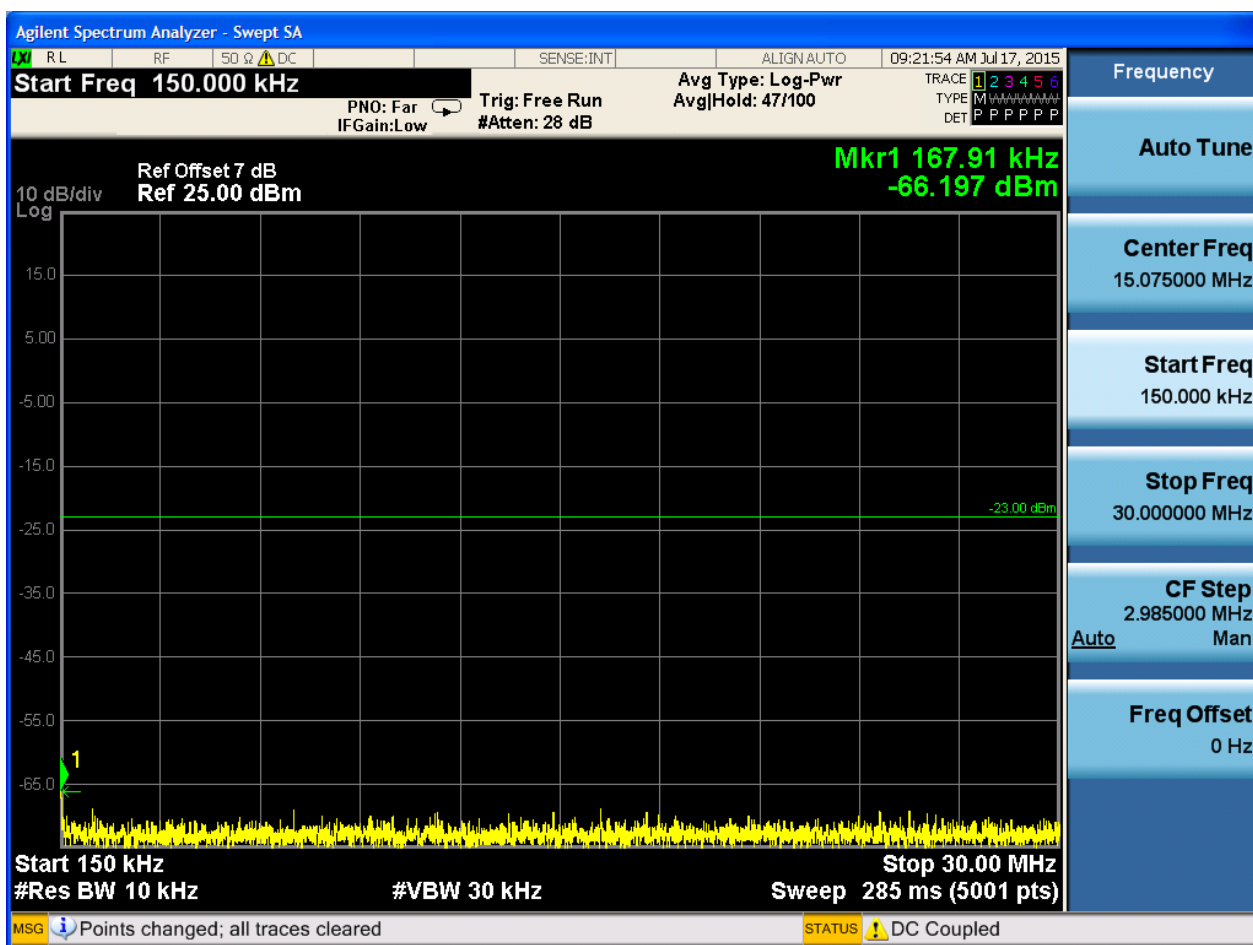
6.1.1.1 Test Mode = LTE/TM1

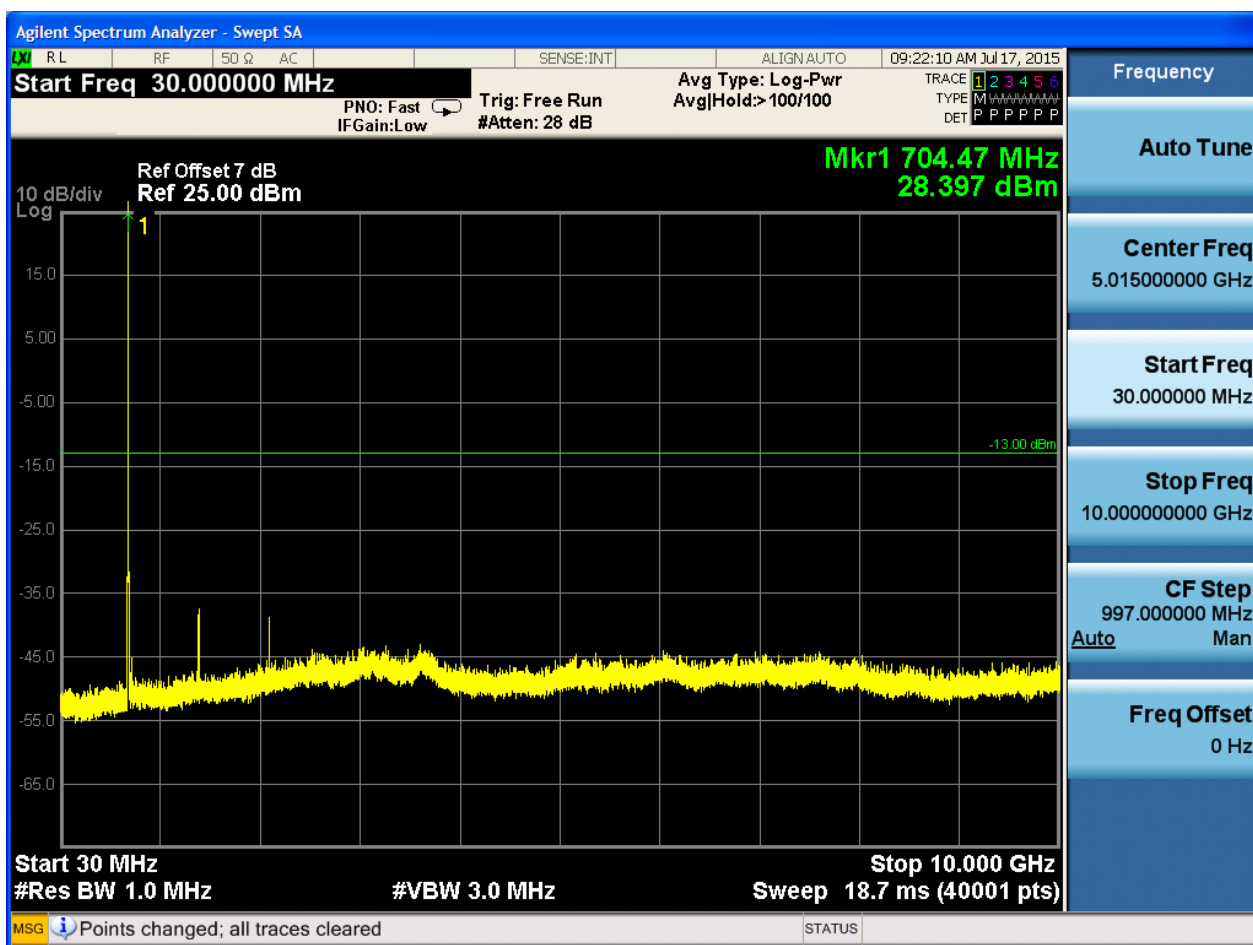
6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0

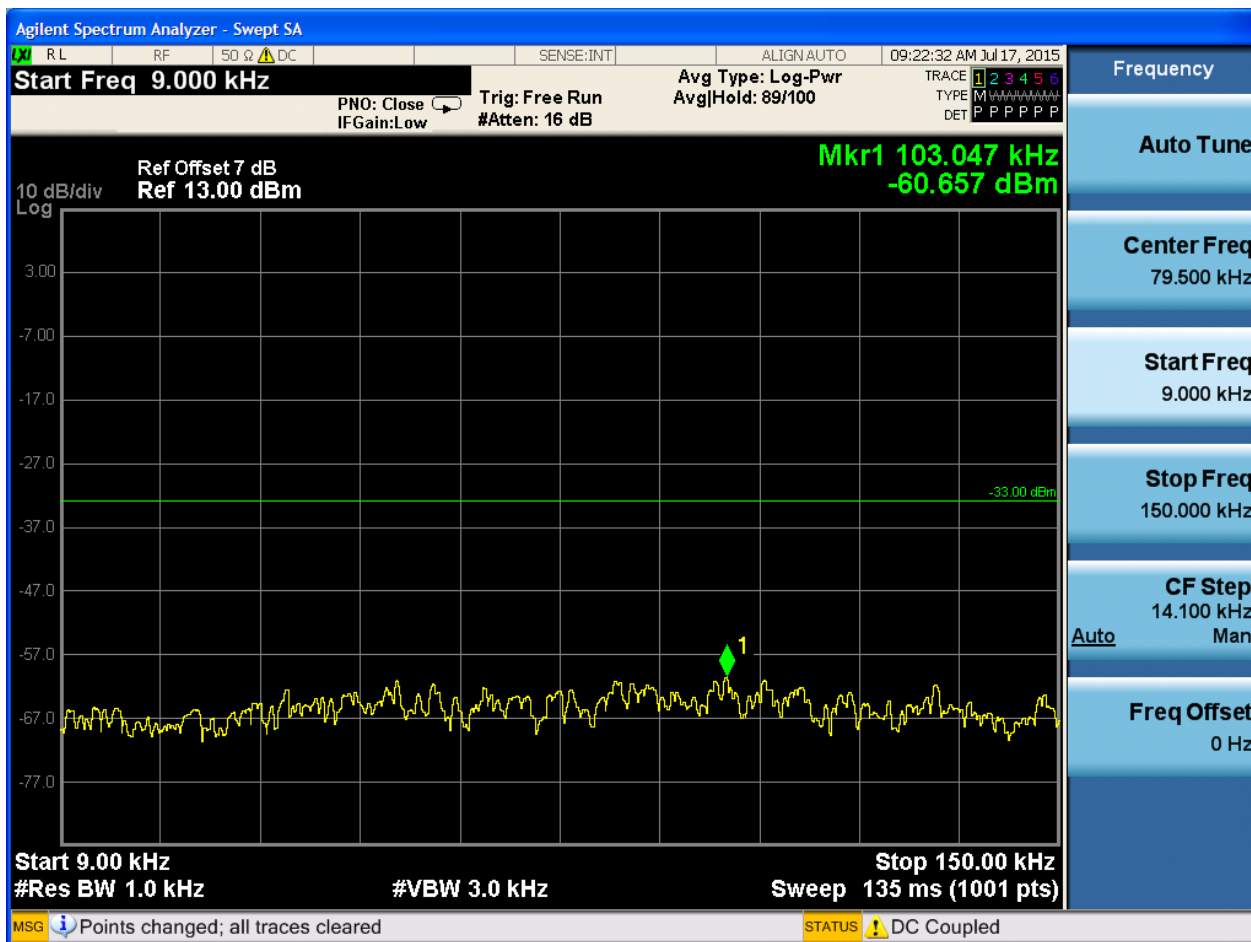




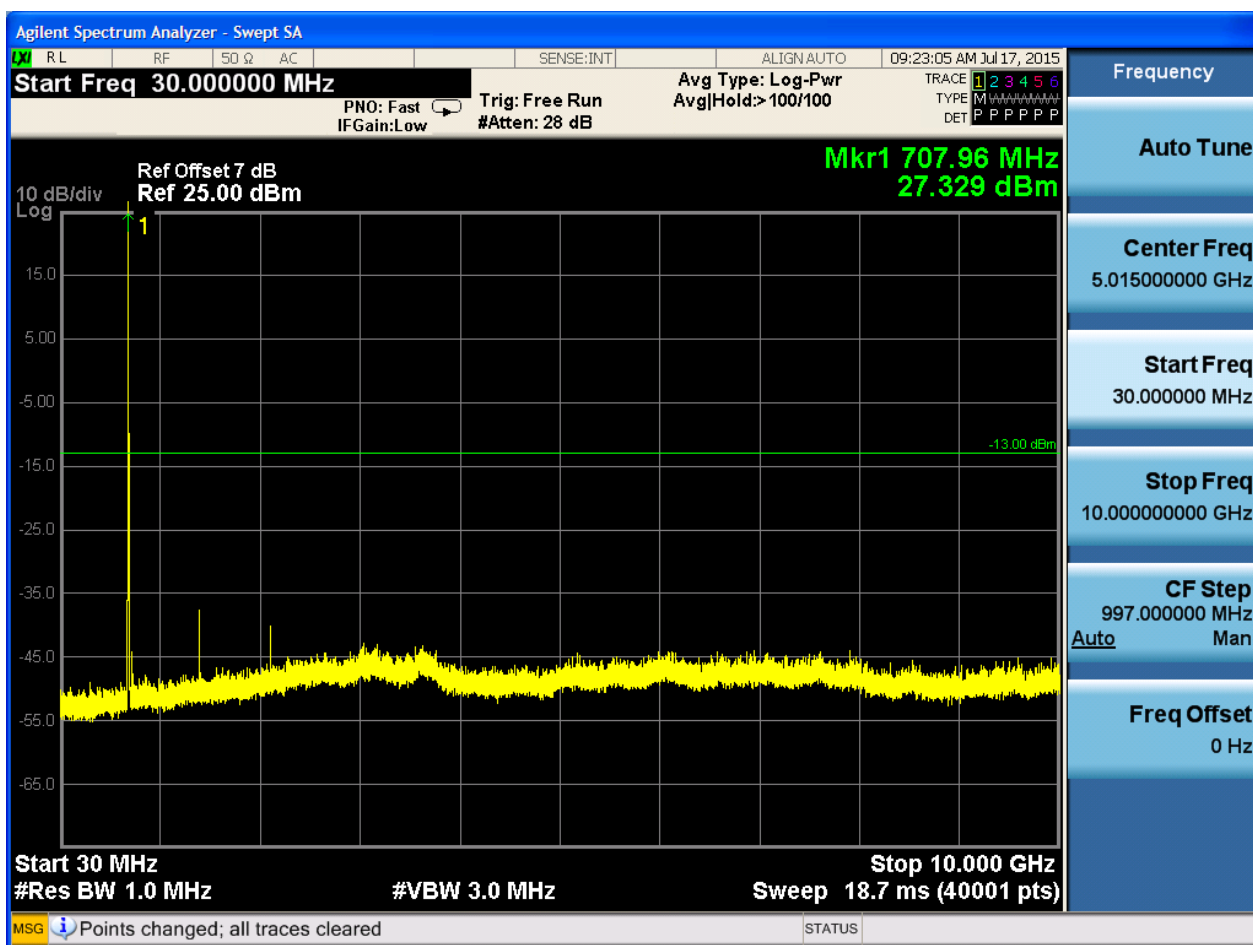


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0

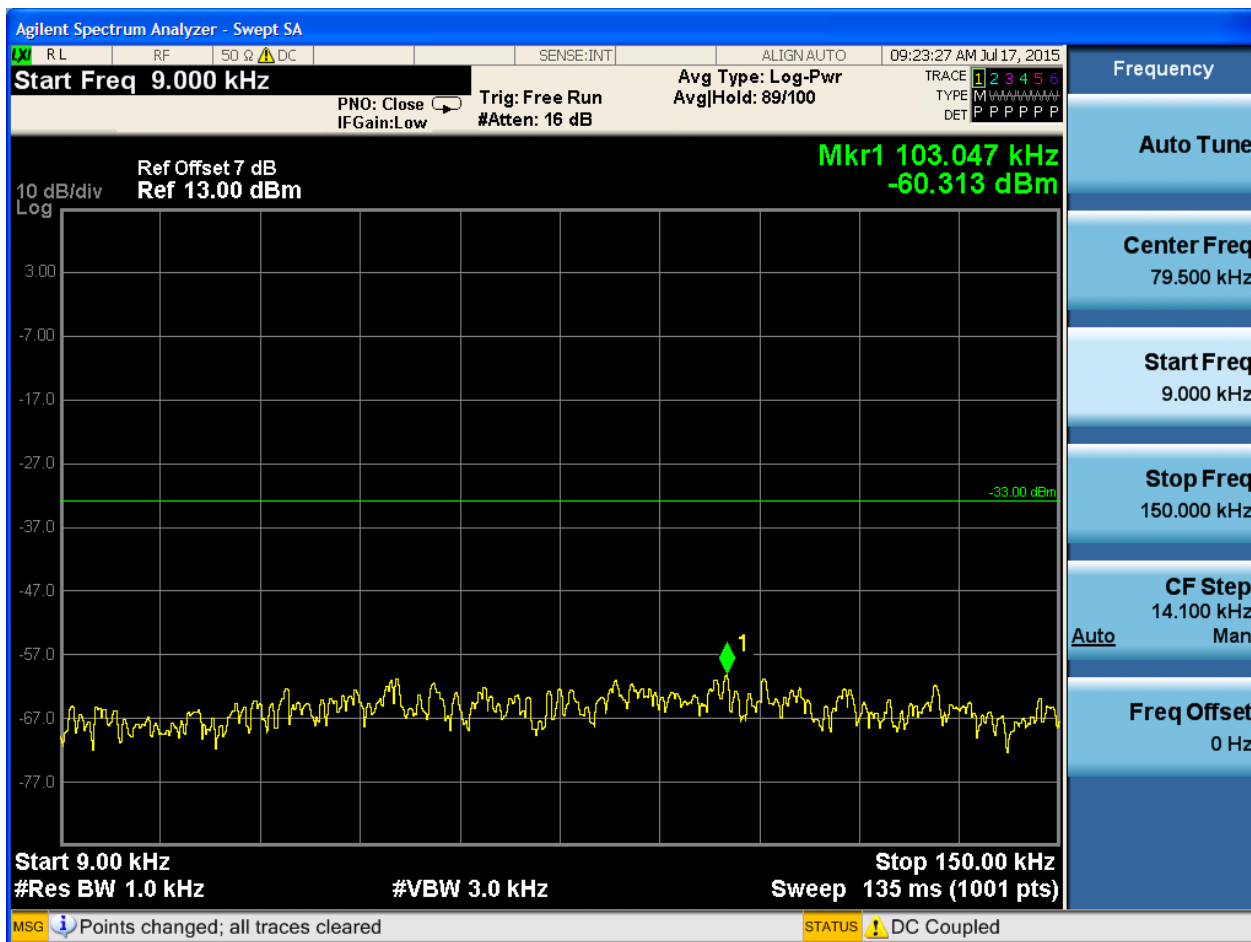




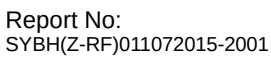


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0



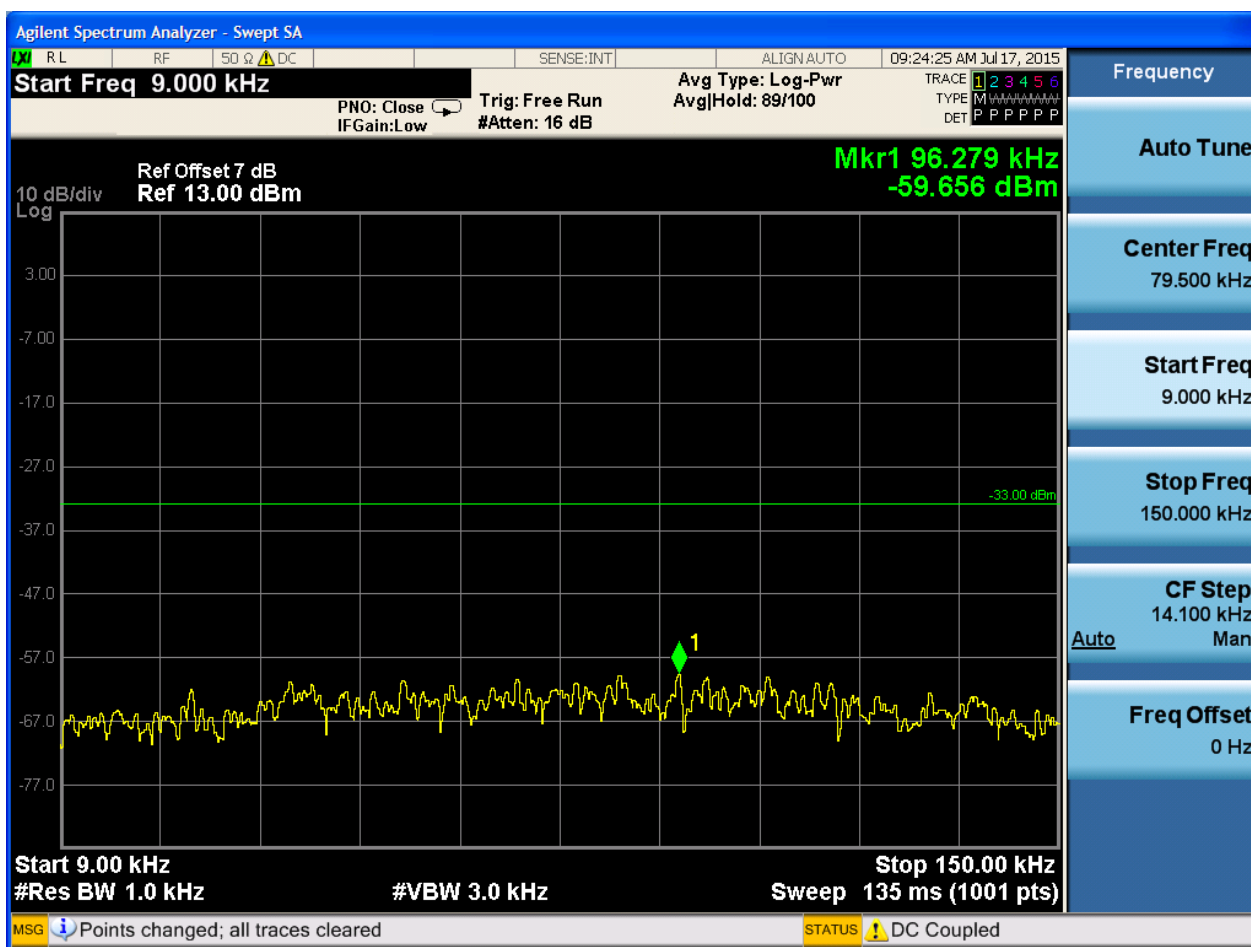


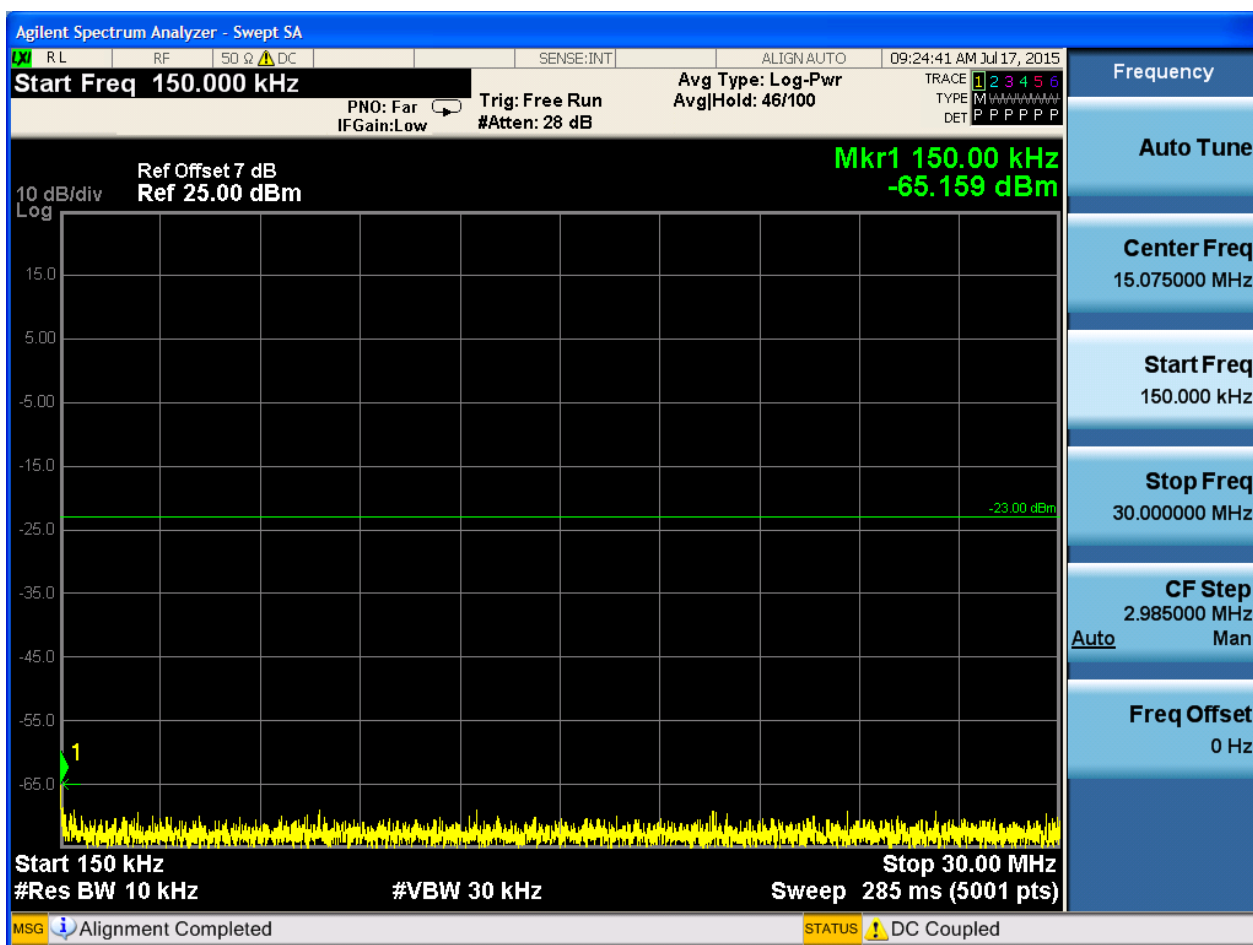


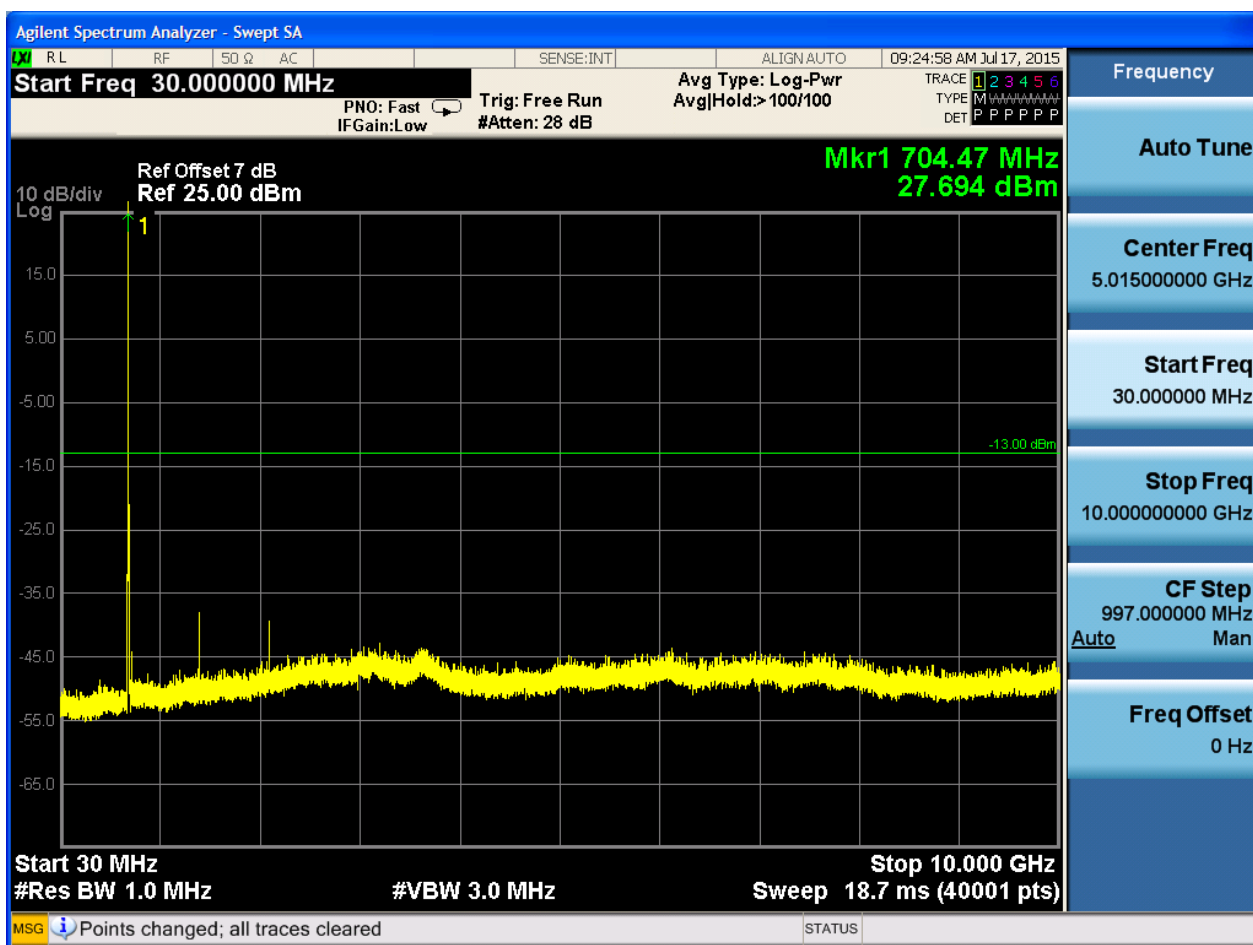
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0

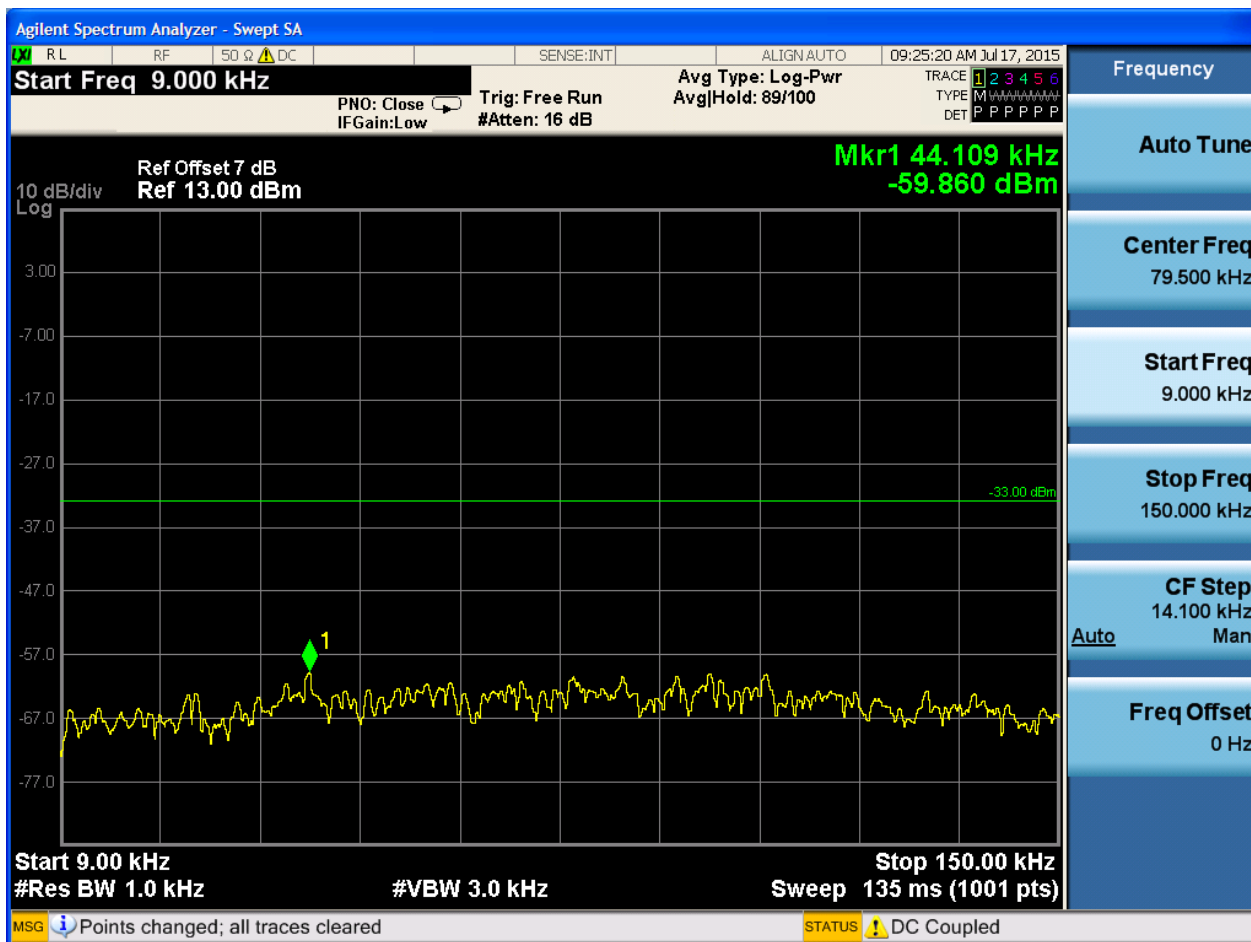




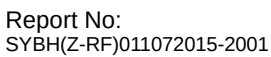


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

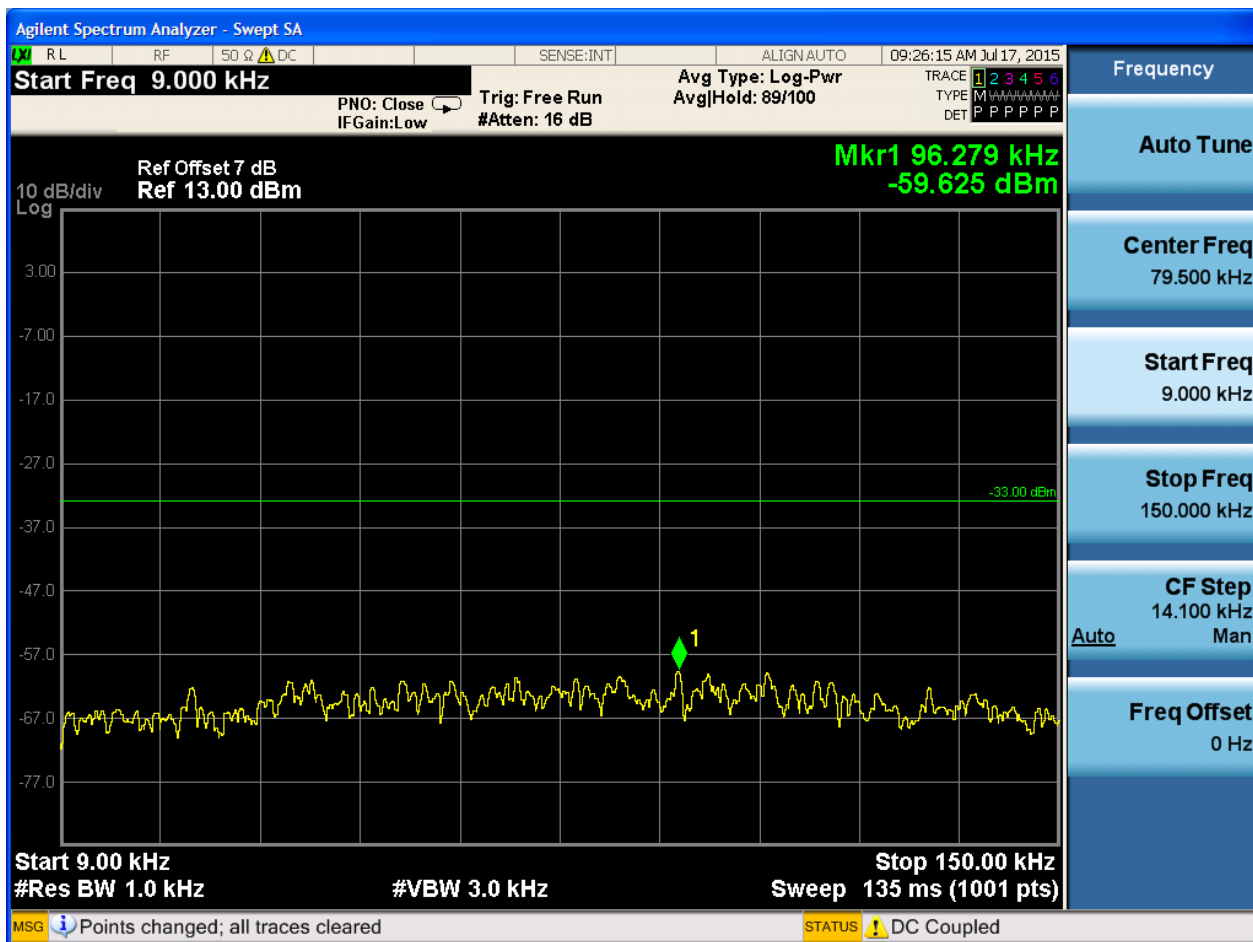


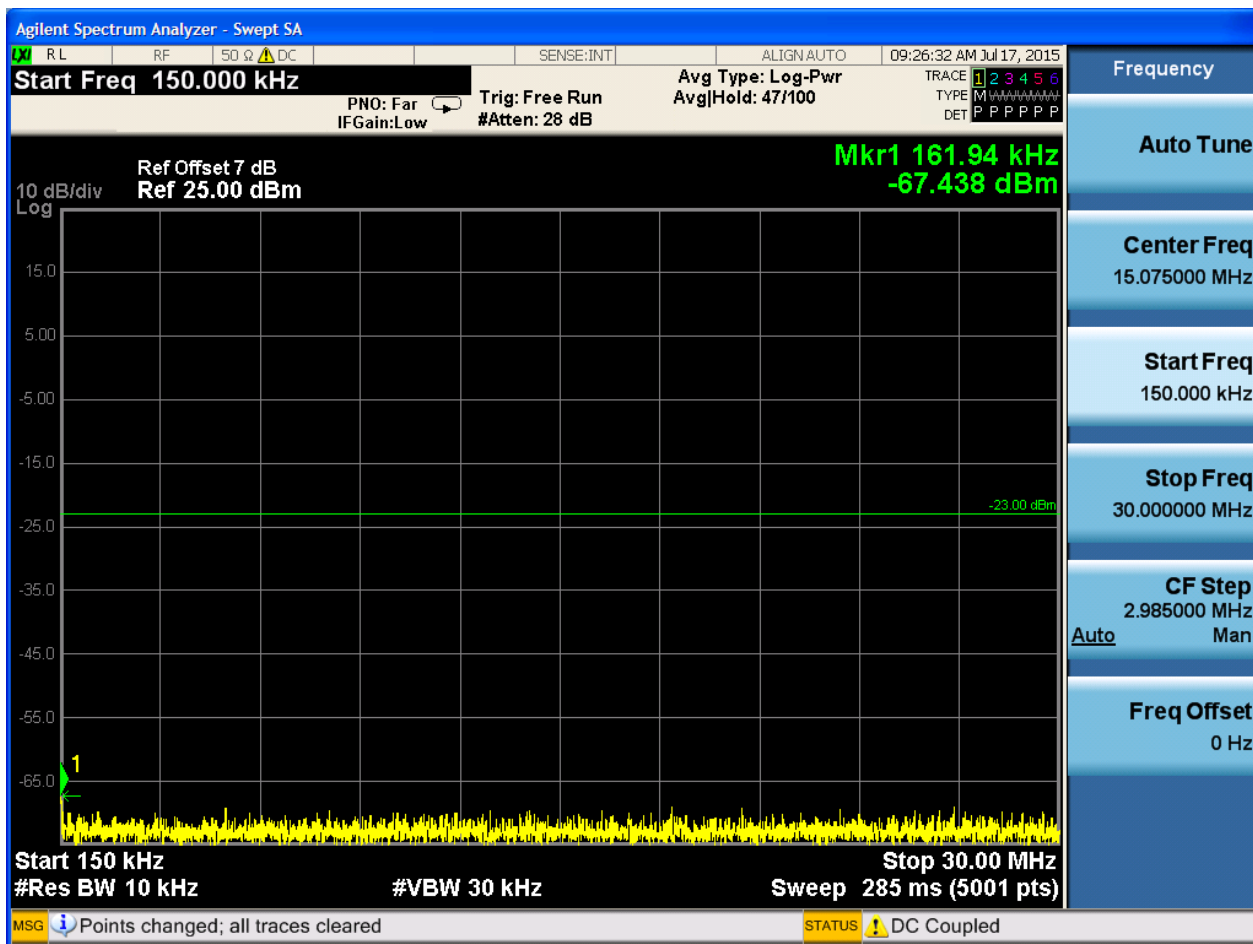


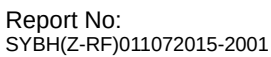


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0

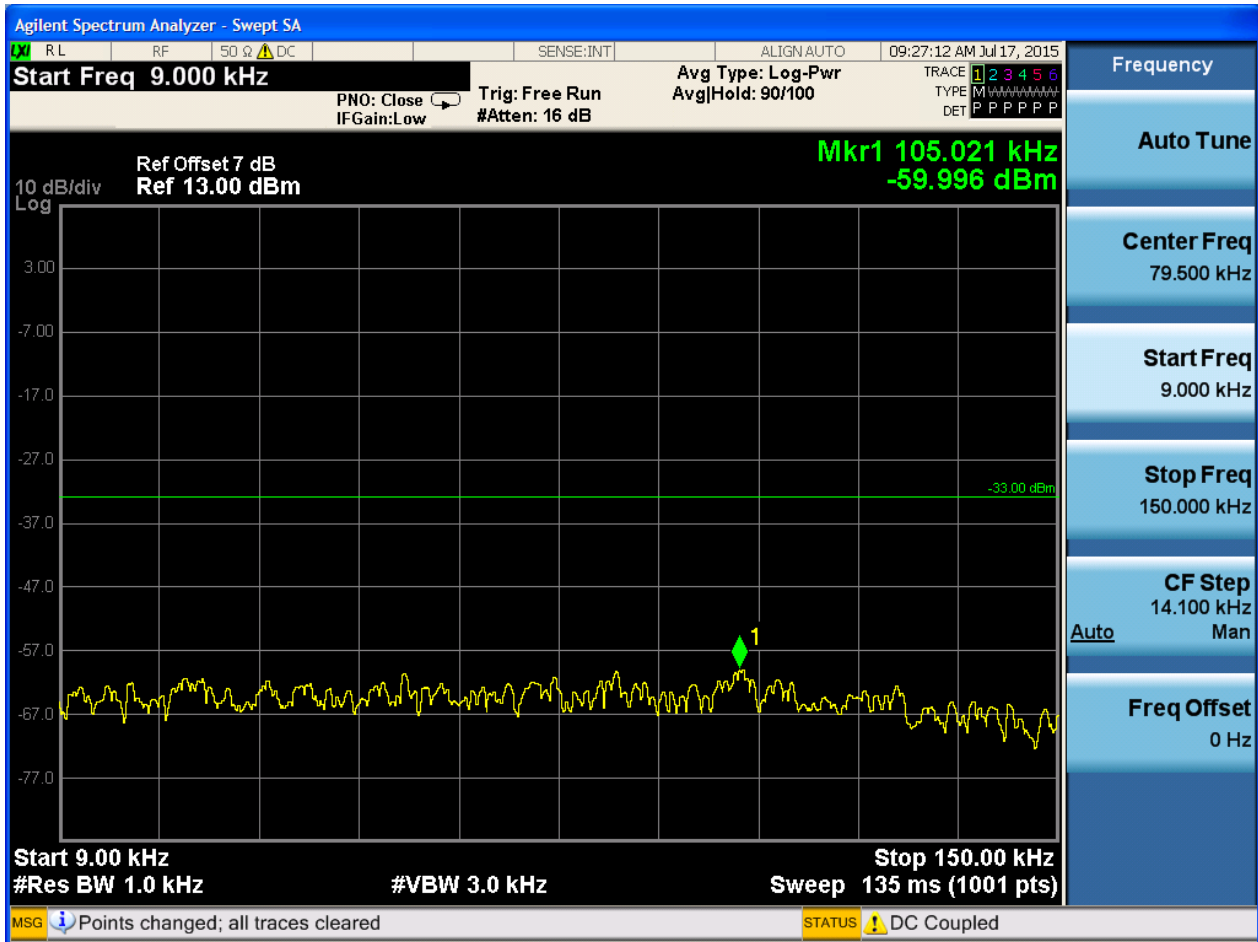




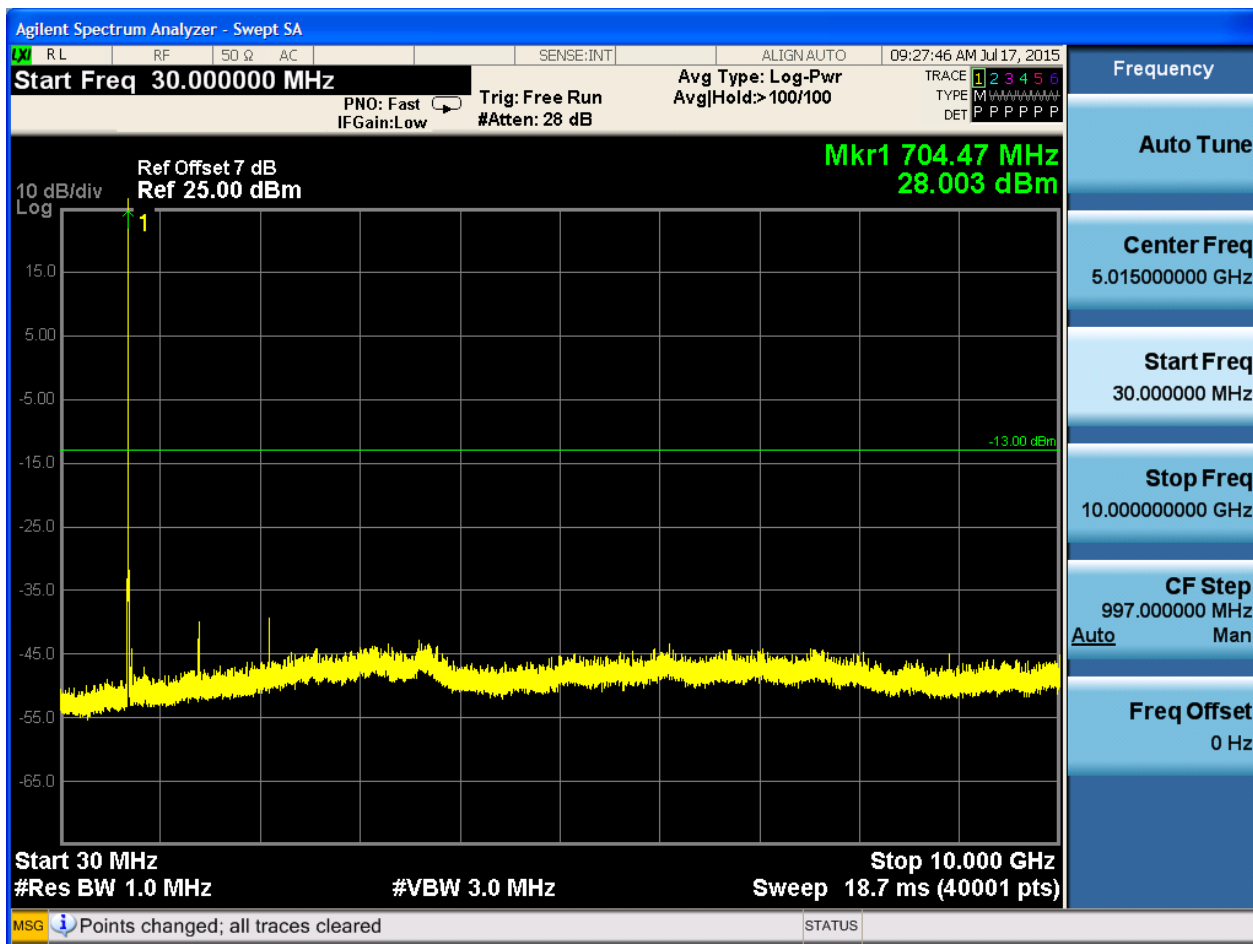




6.1.1.2.1.1.1 Test RB = RB1#0



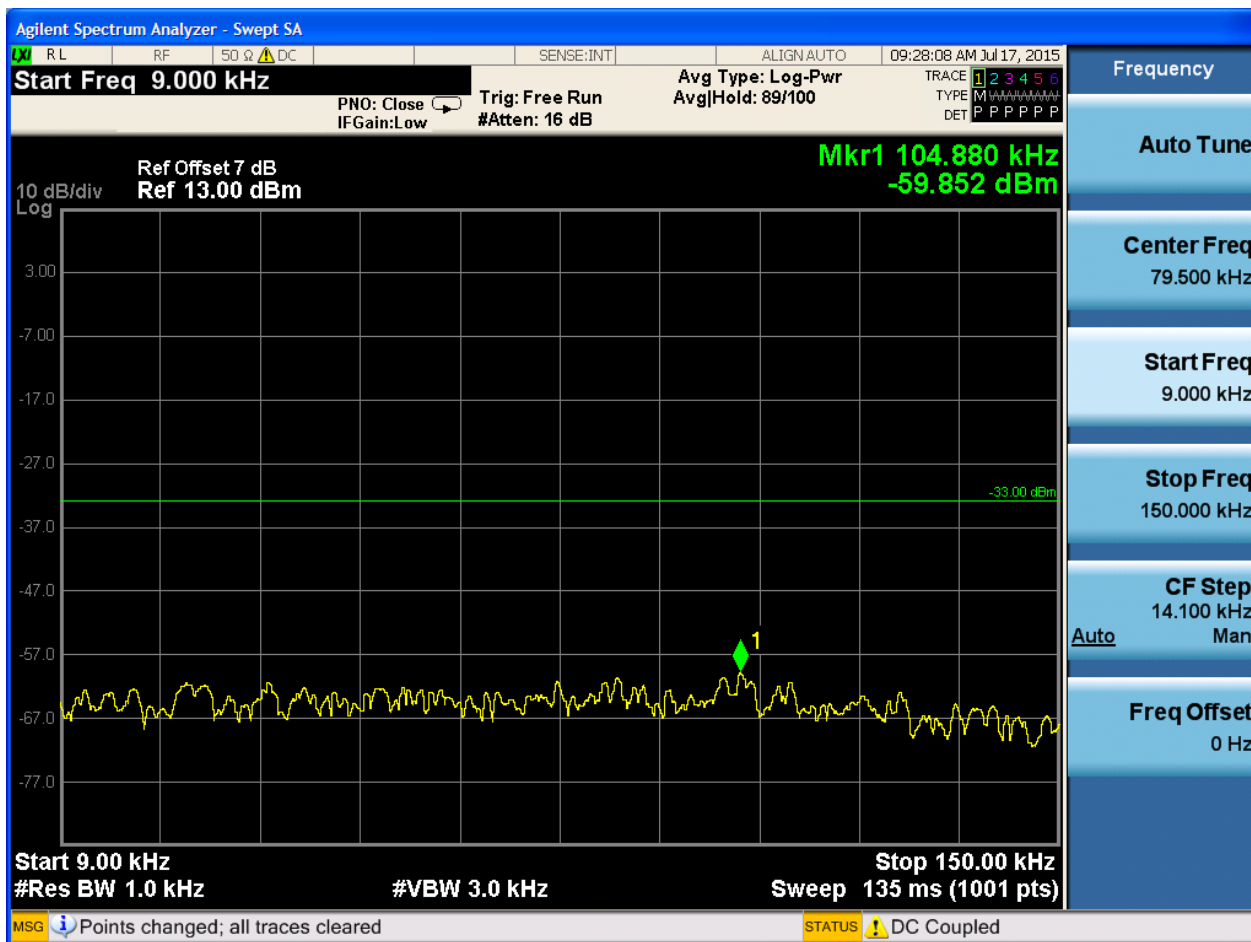




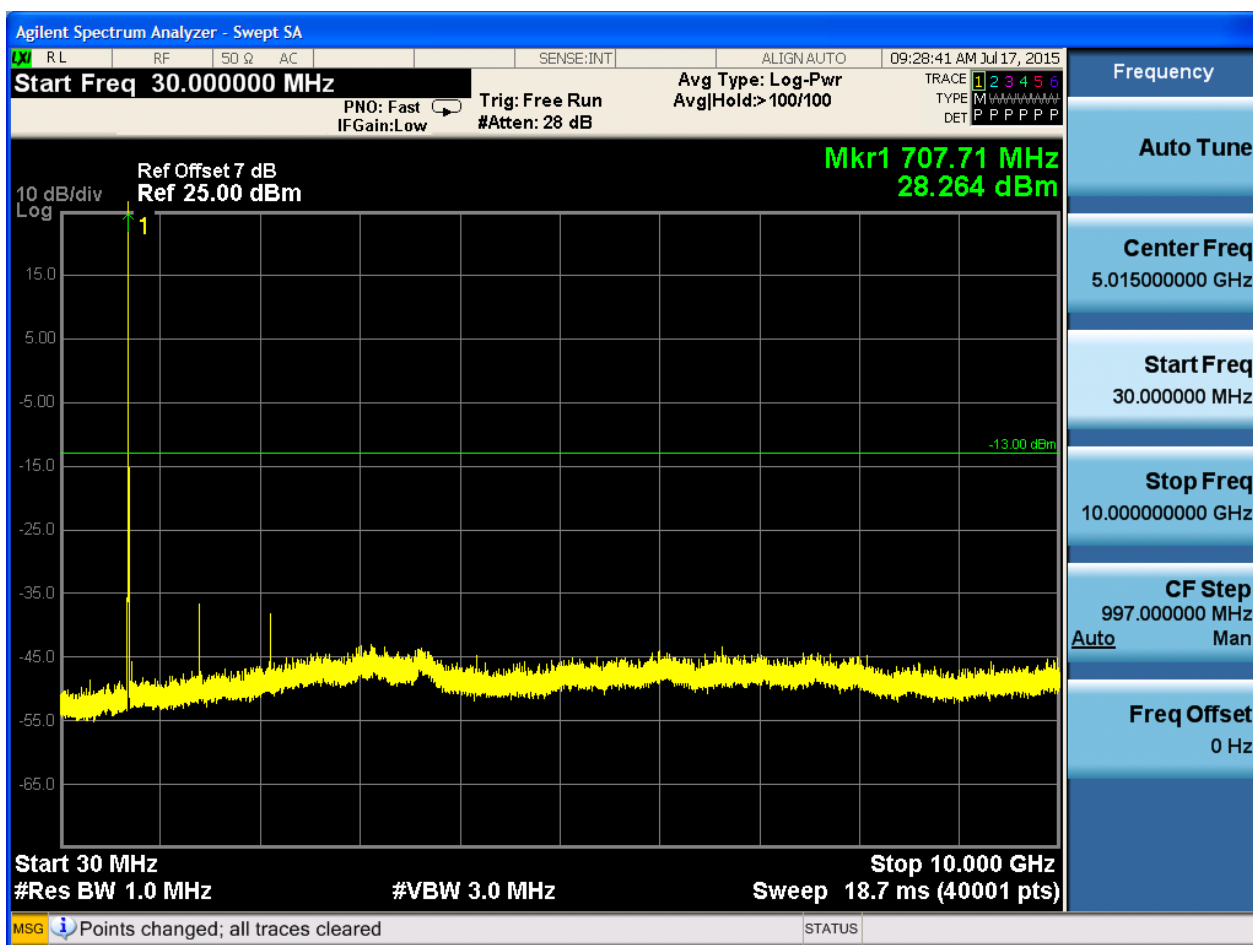


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0







6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0

