



5.3.5.1.1.2.4 Test RB = RB25#0

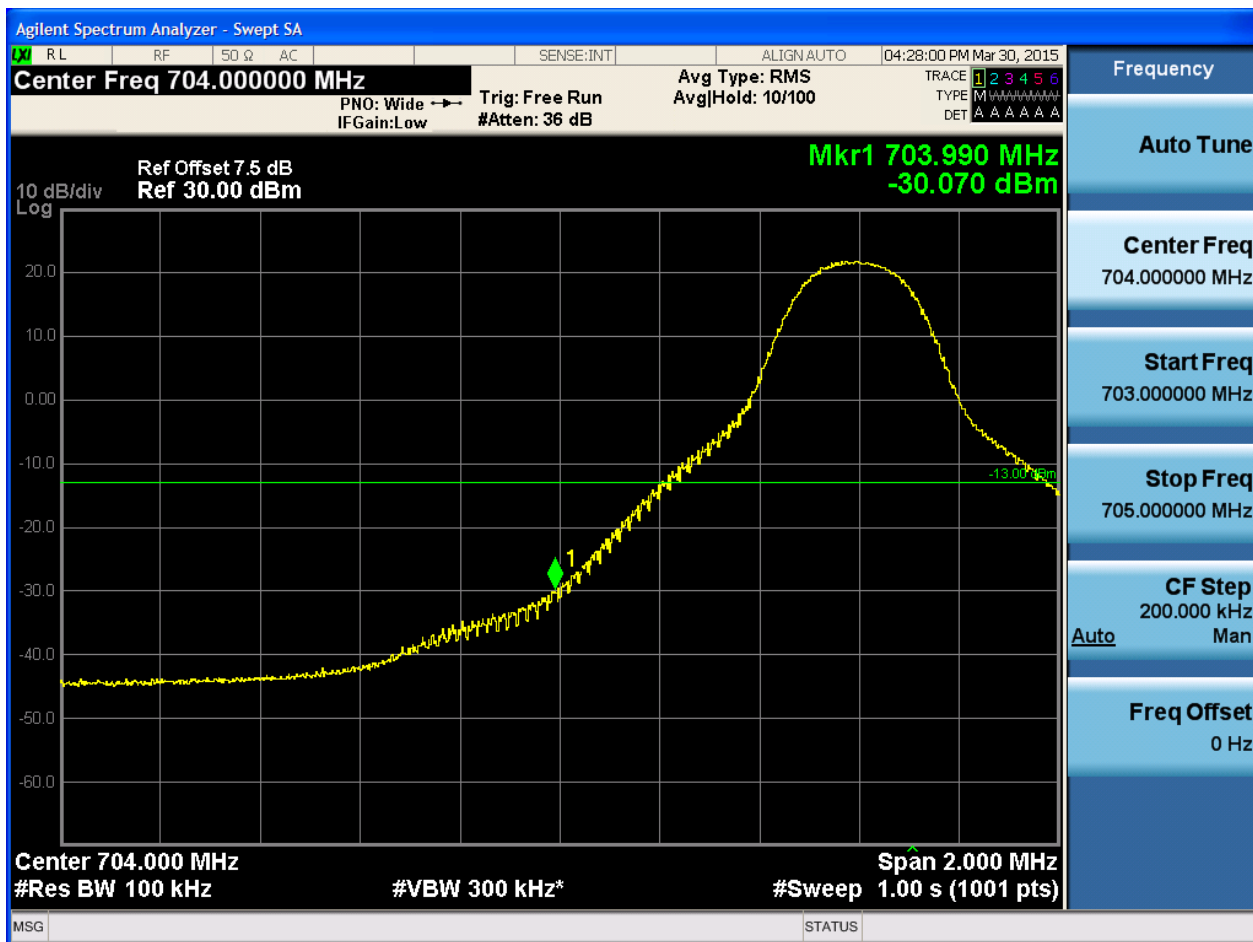




5.3.5.1.2 Test Bandwidth = 10

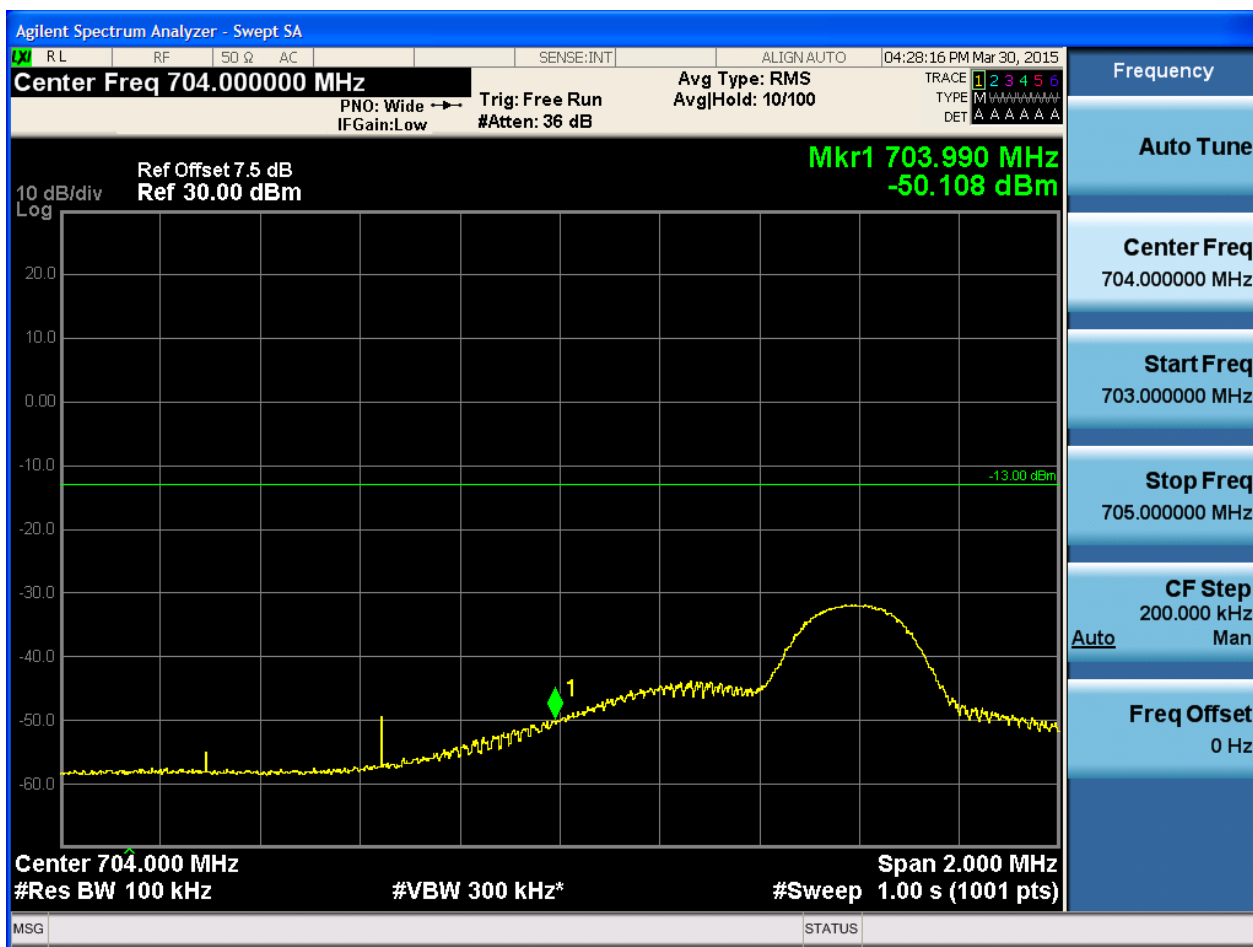
5.3.5.1.2.1 Test Channel = LCH

5.3.5.1.2.1.1 Test RB = RB1#0



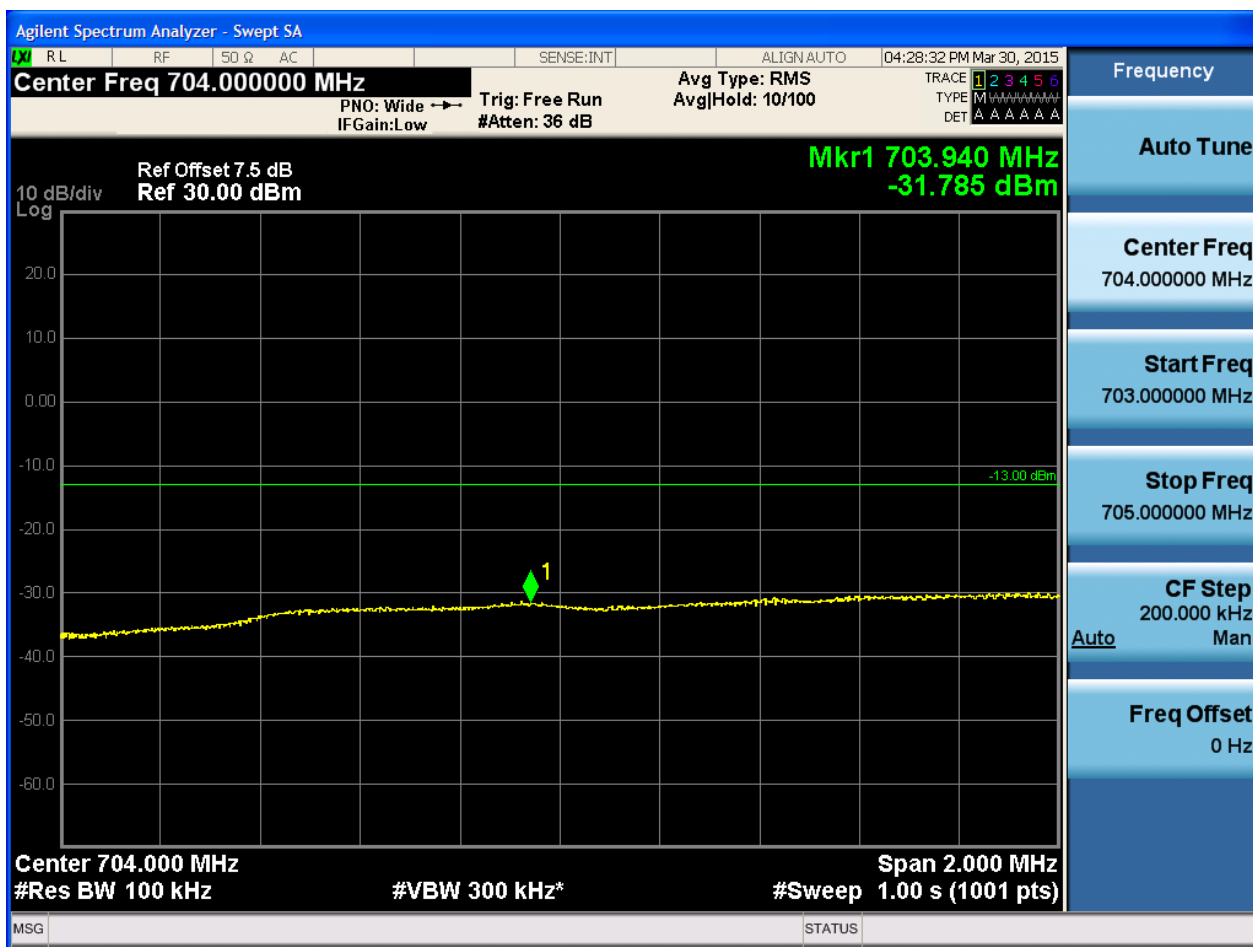


5.3.5.1.2.1.2 Test RB = RB1#49





5.3.5.1.2.1.3 Test RB = RB25#13





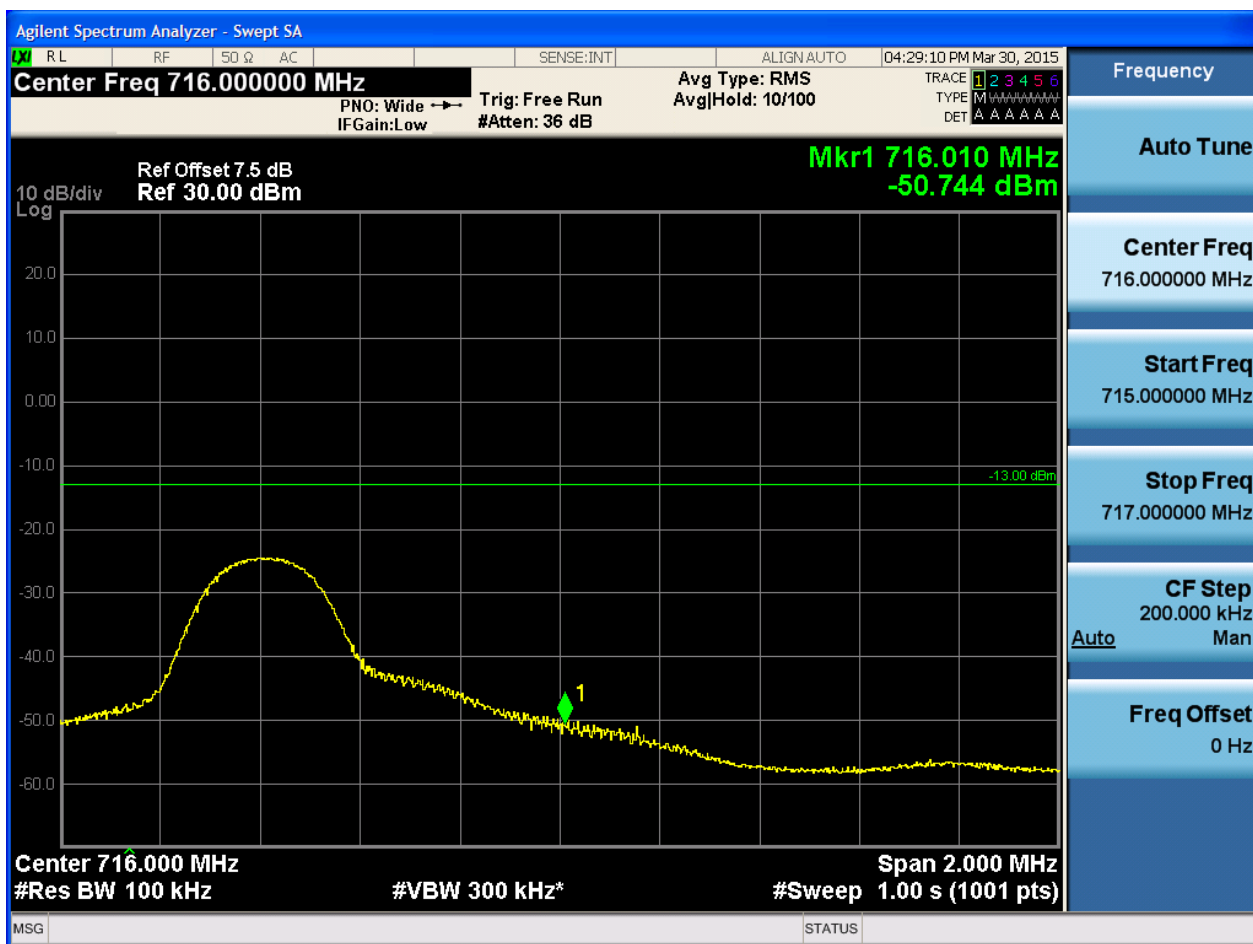
5.3.5.1.2.1.4 Test RB = RB50#0





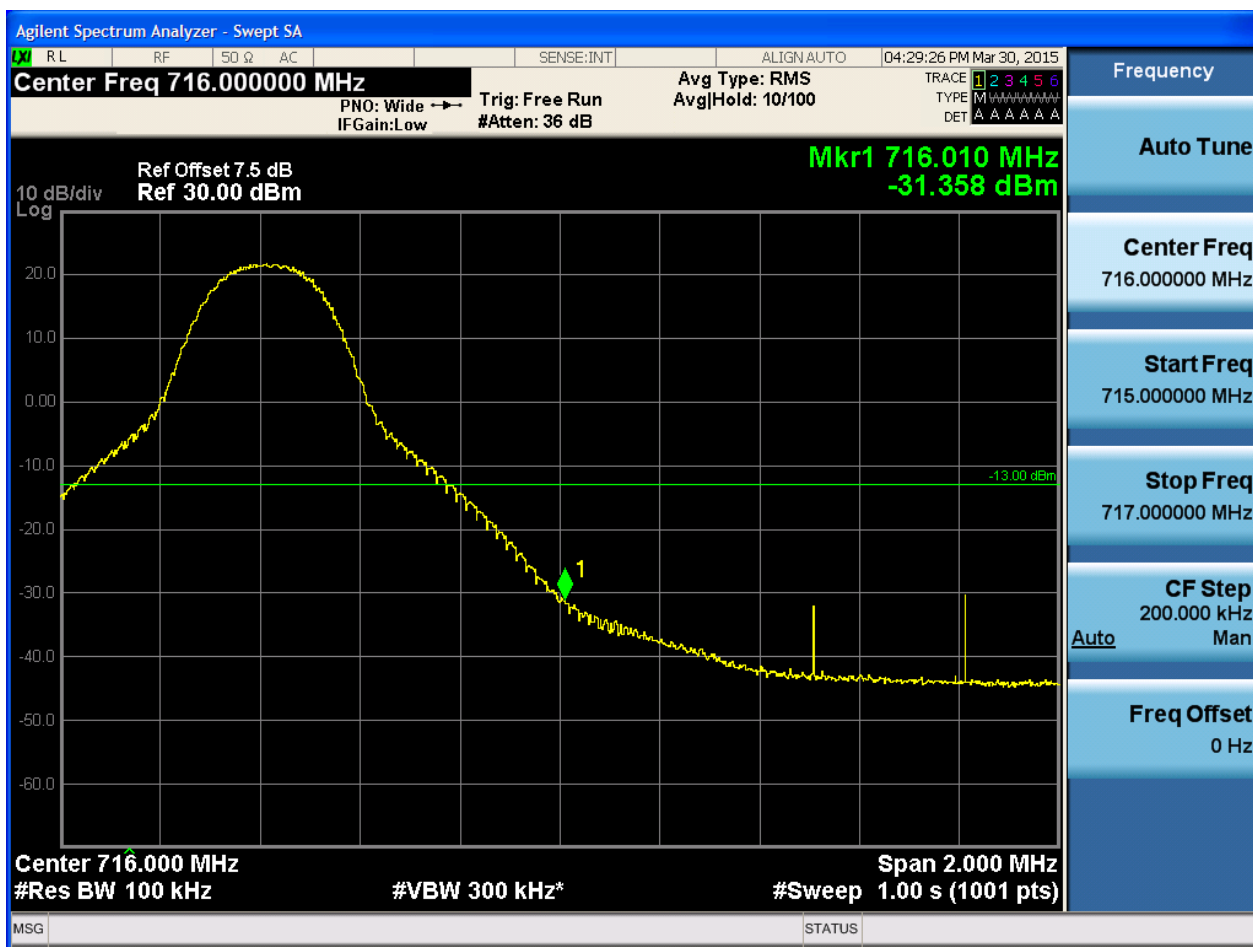
5.3.5.1.2.2 Test Channel = HCH

5.3.5.1.2.2.1 Test RB = RB1#0



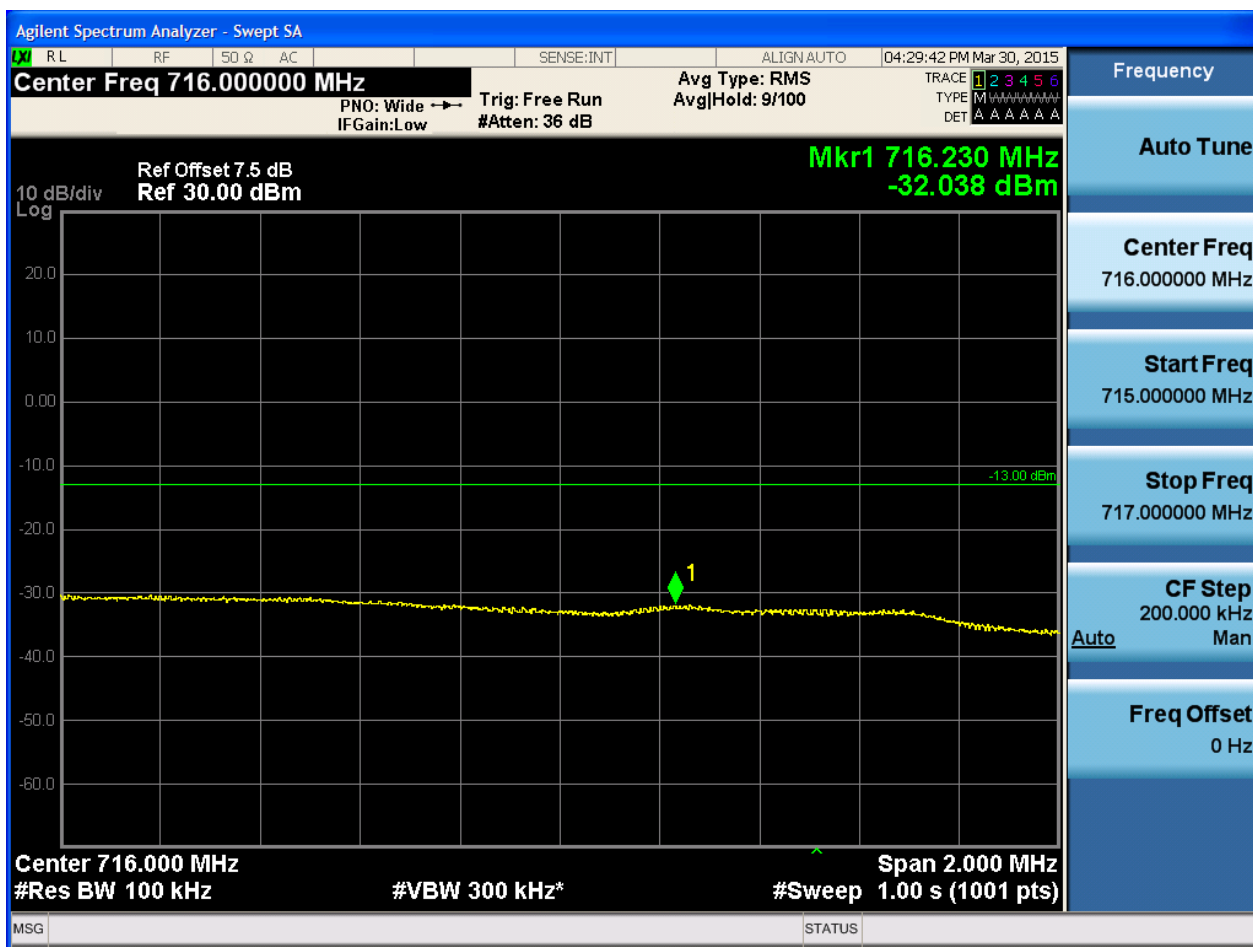


5.3.5.1.2.2.2 Test RB = RB1#49



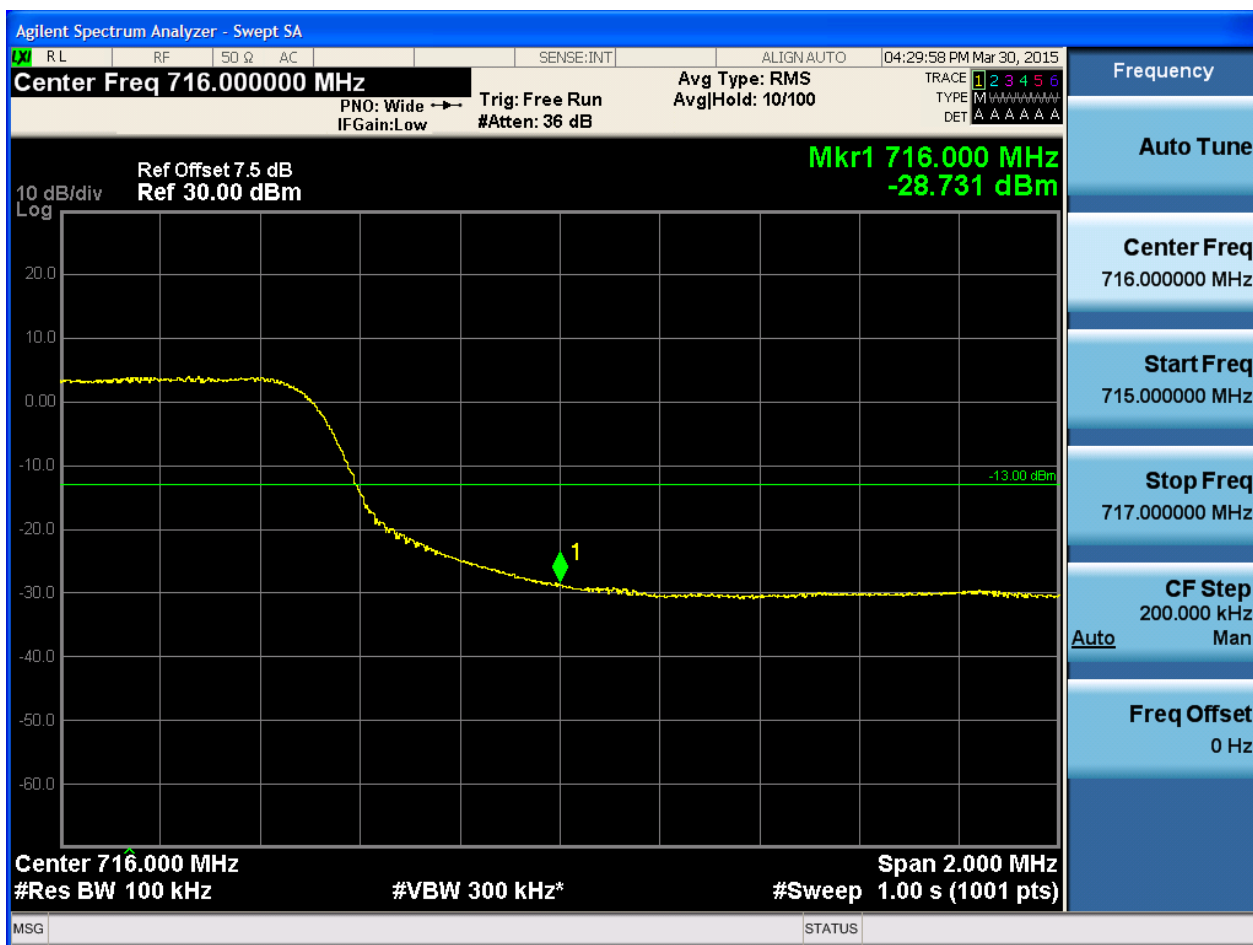


5.3.5.1.2.2.3 Test RB = RB25#13





5.3.5.1.2.2.4 Test RB = RB50#0



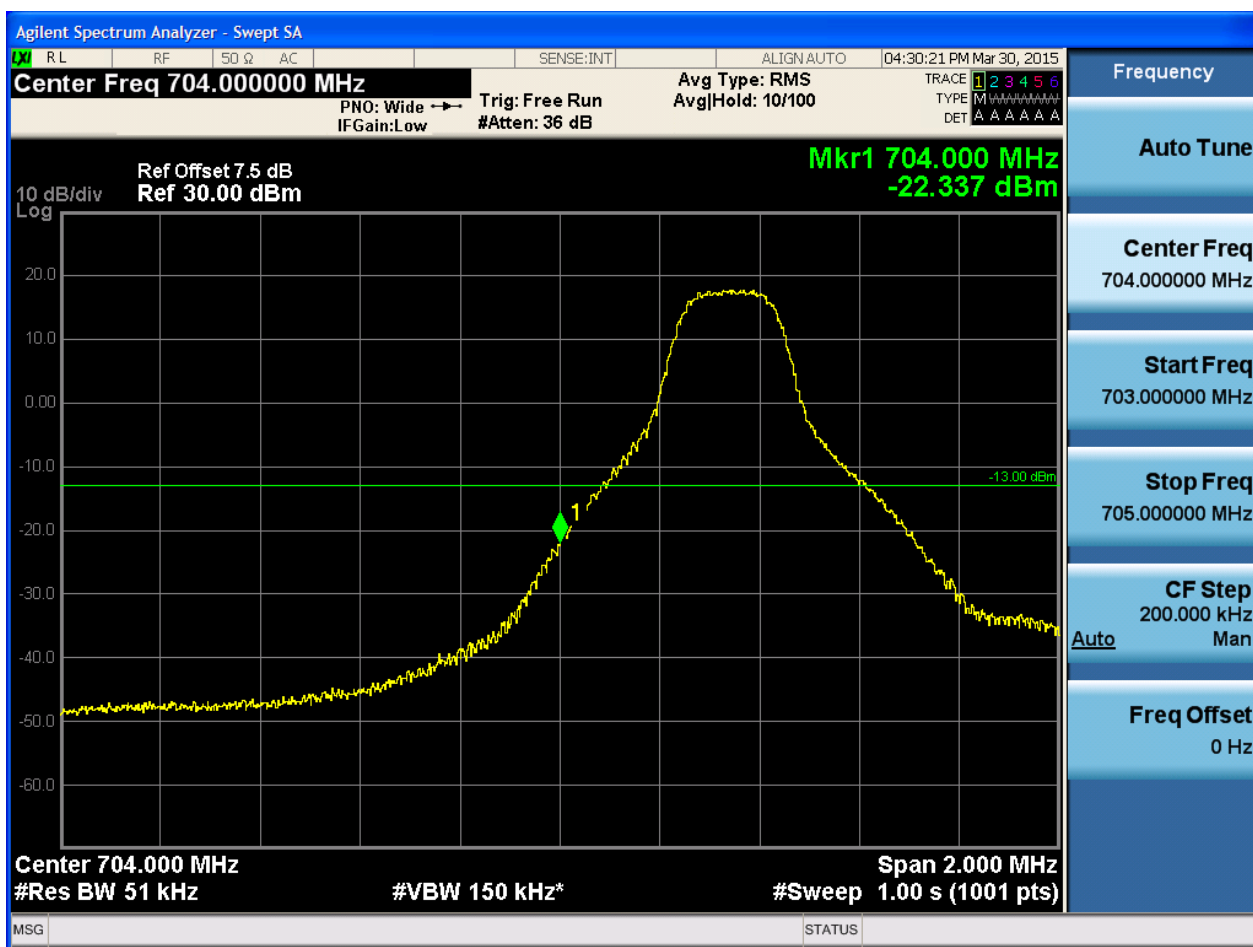


5.3.5.2 Test Mode = LTE/TM2

5.3.5.2.1 Test Bandwidth = 5

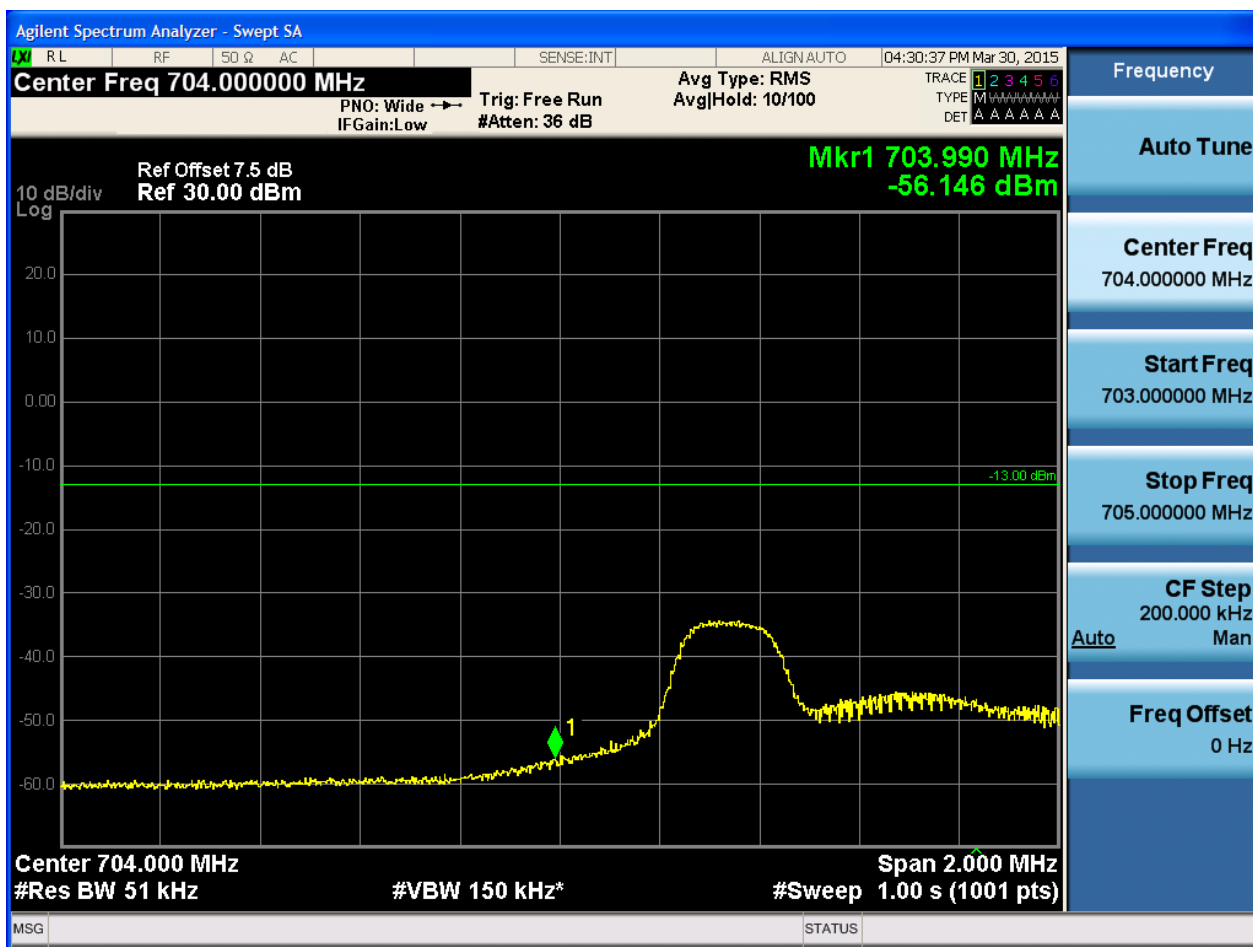
5.3.5.2.1.1 Test Channel = LCH

5.3.5.2.1.1.1 Test RB = RB1#0





5.3.5.2.1.1.2 Test RB = RB1#24





5.3.5.2.1.1.3 Test RB = RB12#6





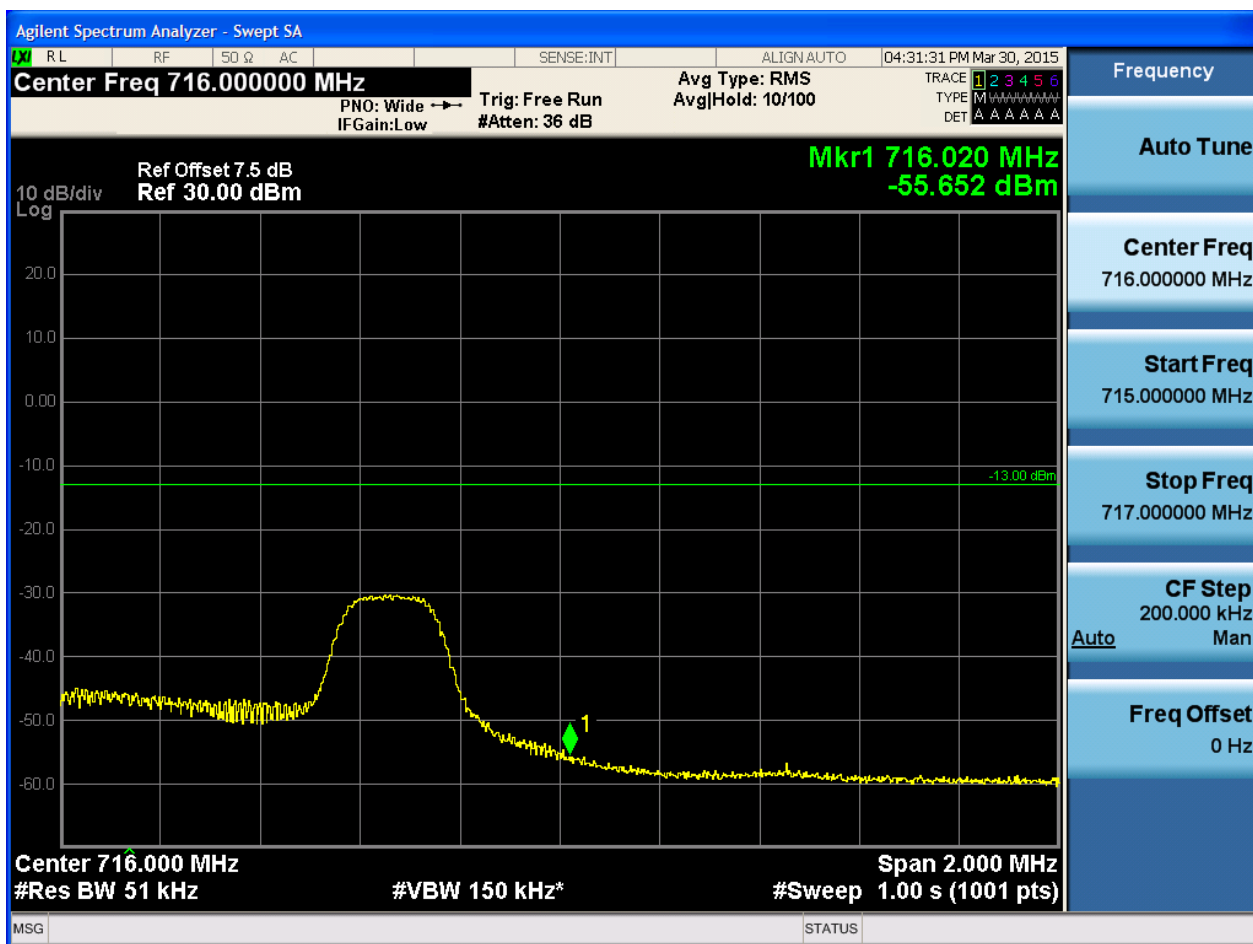
5.3.5.2.1.1.4 Test RB = RB25#0





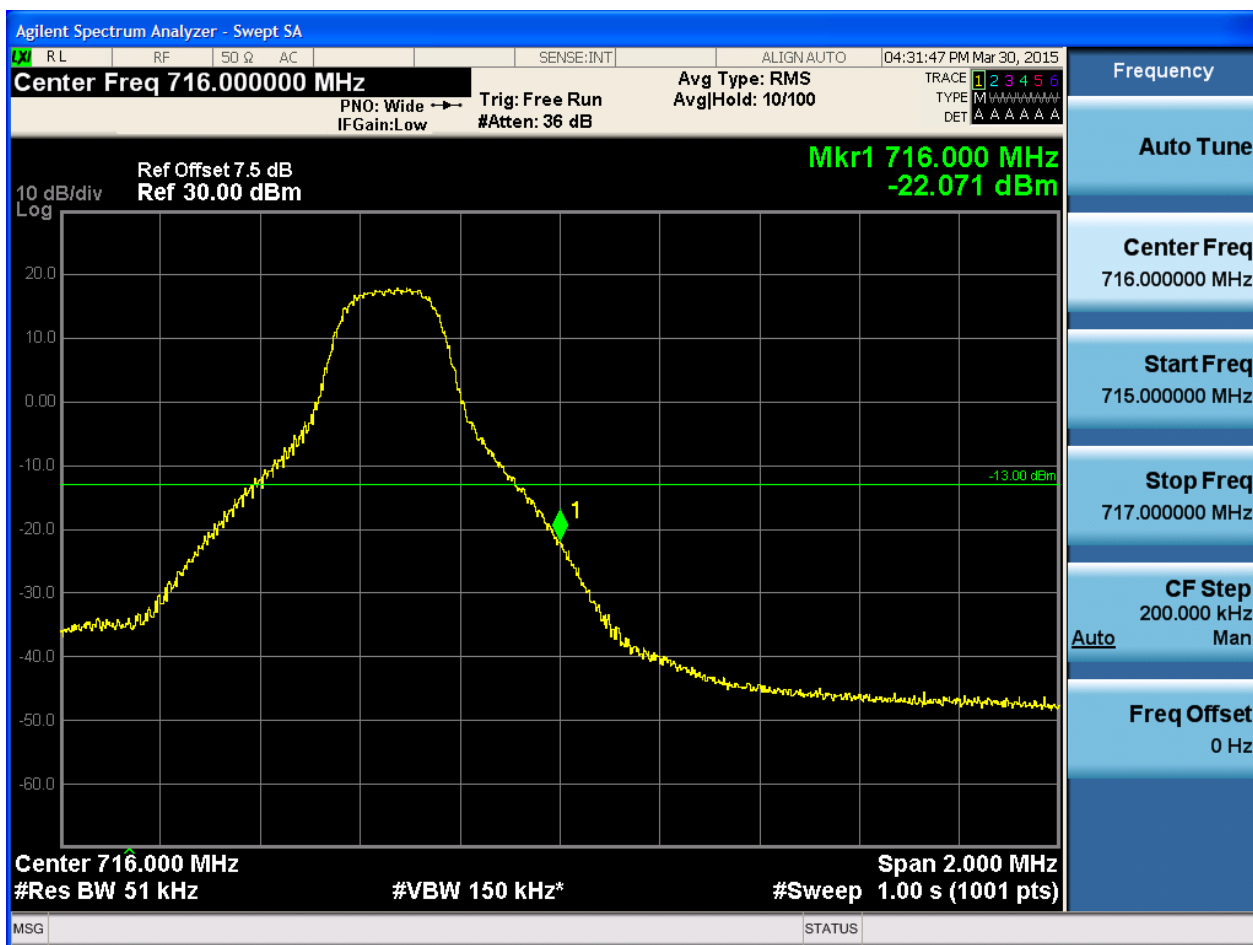
5.3.5.2.1.2 Test Channel = HCH

5.3.5.2.1.2.1 Test RB = RB1#0



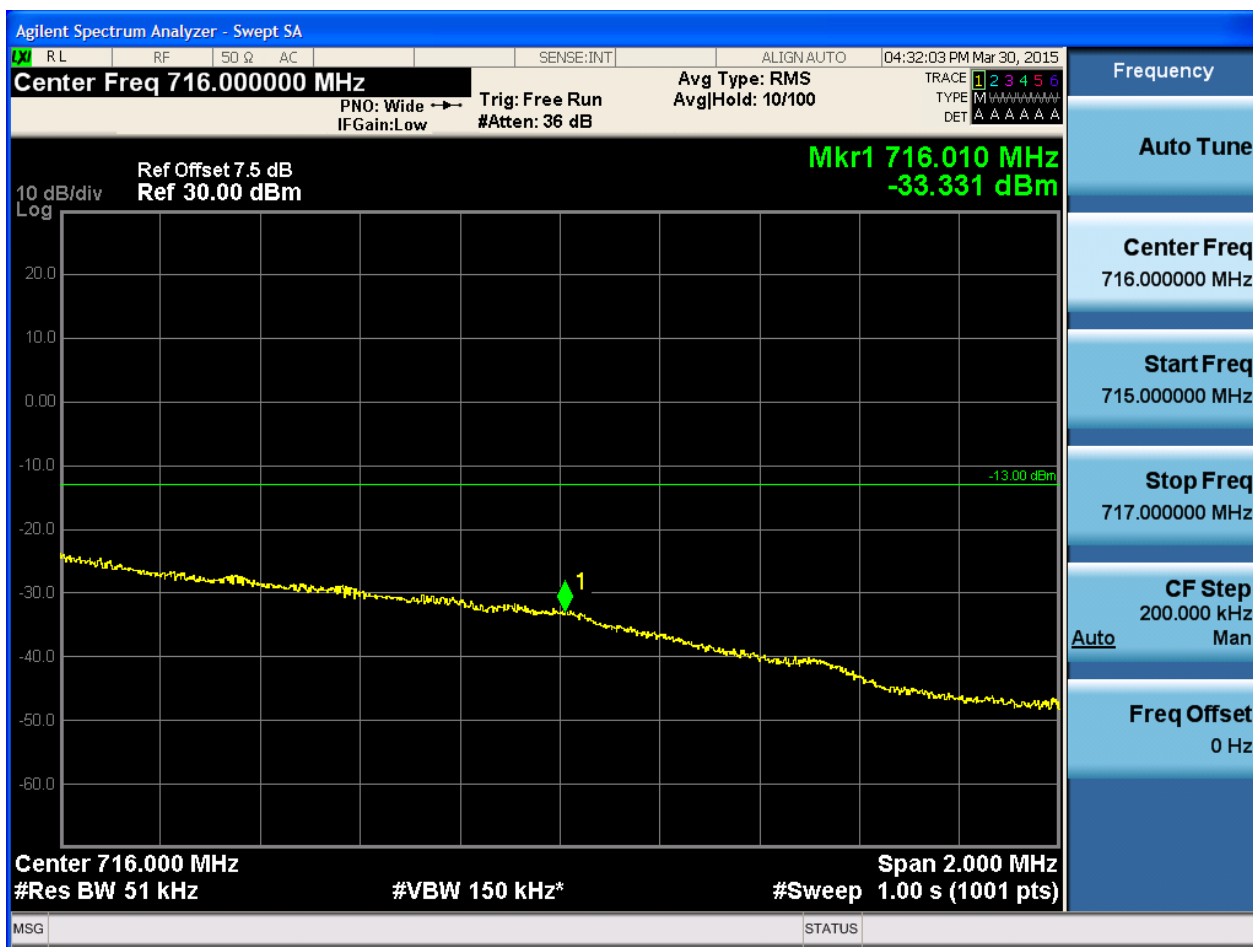


5.3.5.2.1.2.2 Test RB = RB1#24





5.3.5.2.1.2.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

Center Freq 716.000000 MHz

Ref Offset 7.5 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.000 MHz
-27.802 dBm

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

Auto Tune

Center Freq
716.000000 MHz

Start Freq
715.000000 MHz

Stop Freq
717.000000 MHz

CF Step
200.000 kHz
Man

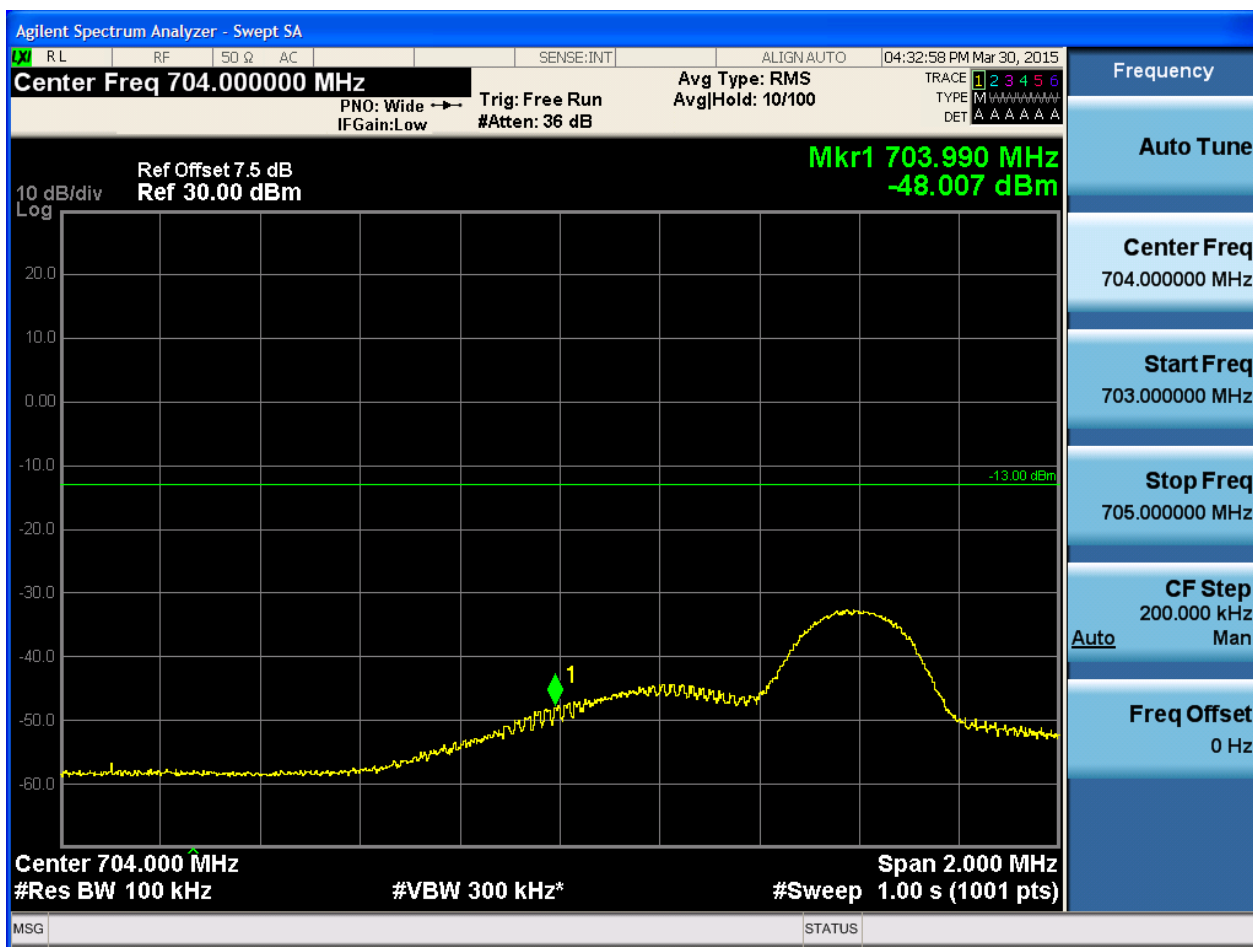
Freq Offset
0 Hz

The image displays an Agilent Spectrum Analyzer interface. The main plot area shows a frequency sweep from 715.000 MHz to 717.000 MHz. The signal level is plotted in dBm on a logarithmic scale. A yellow trace shows a signal that is relatively flat at approximately 0 dBm from 715.000 MHz to about 716.000 MHz, then drops sharply to approximately -30 dBm by 716.500 MHz and remains flat thereafter. A green horizontal line is drawn at -13.00 dBm. A yellow marker labeled '1' is positioned at the point where the signal level drops, at approximately 716.000 MHz and -27.802 dBm. The right side of the interface contains a control panel with various settings: 'Auto Tune' is selected, 'Center Freq' is 716.000000 MHz, 'Start Freq' is 715.000000 MHz, 'Stop Freq' is 717.000000 MHz, 'CF Step' is 200.000 kHz (Manual), and 'Freq Offset' is 0 Hz. The bottom status bar shows 'MSG', 'STATUS', and other parameters like 'Span 2.000 MHz', '#Res BW 51 kHz', '#VBW 150 kHz*', and '#Sweep 1.00 s (1001 pts)'.



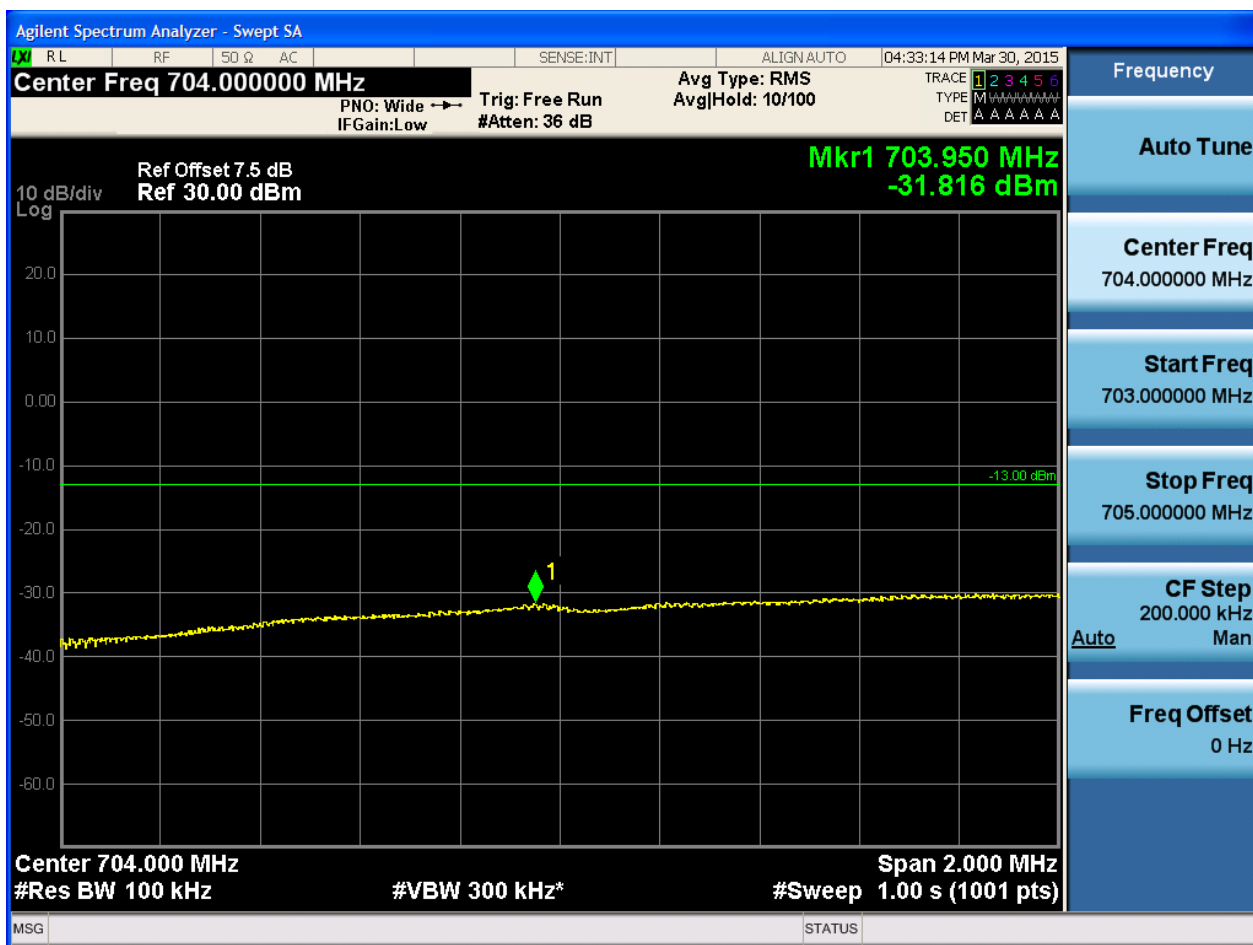


5.3.5.2.2.1.2 Test RB = RB1#49





5.3.5.2.2.1.3 Test RB = RB25#13





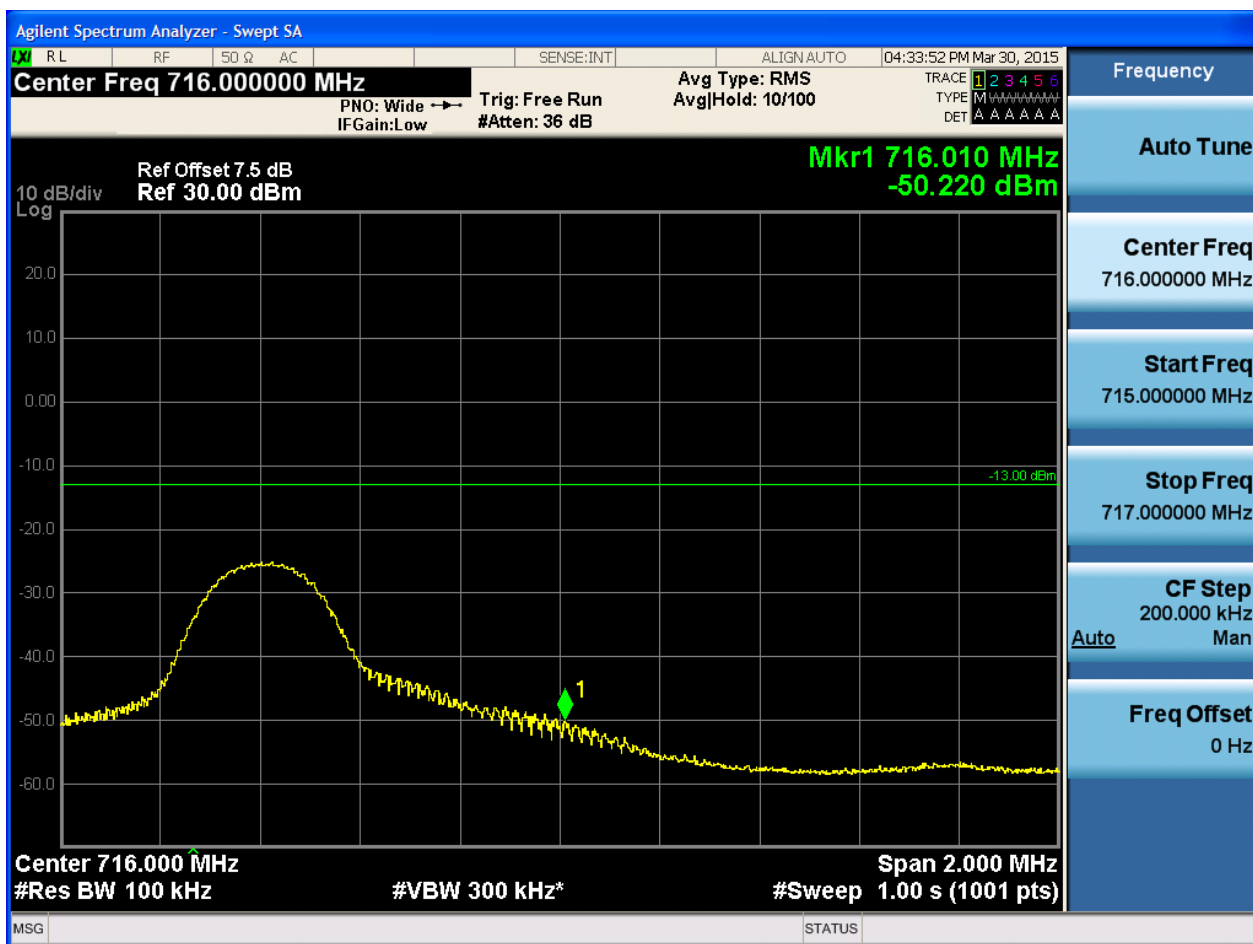
5.3.5.2.2.1.4 Test RB = RB50#0





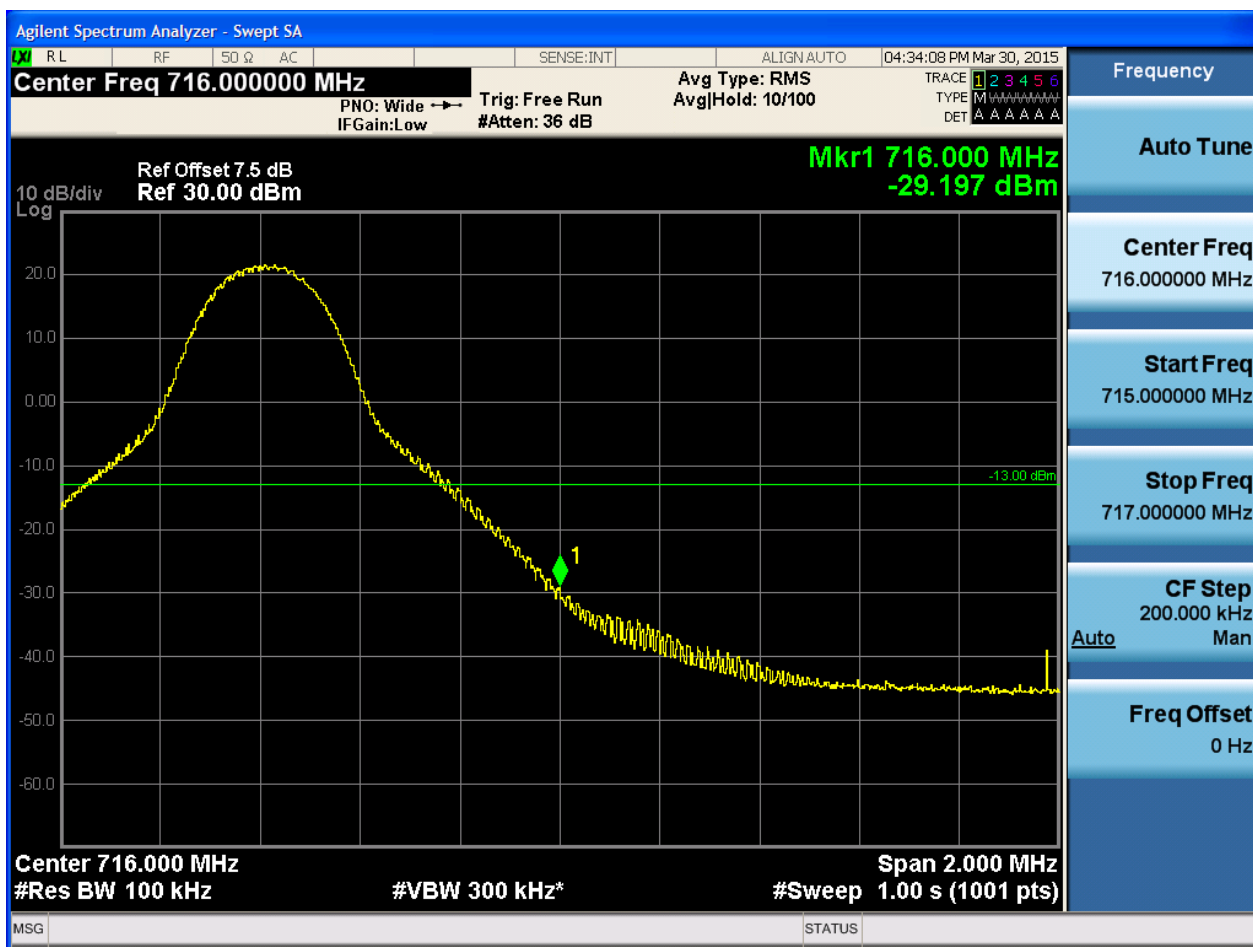
5.3.5.2.2.2 Test Channel = HCH

5.3.5.2.2.2.1 Test RB = RB1#0



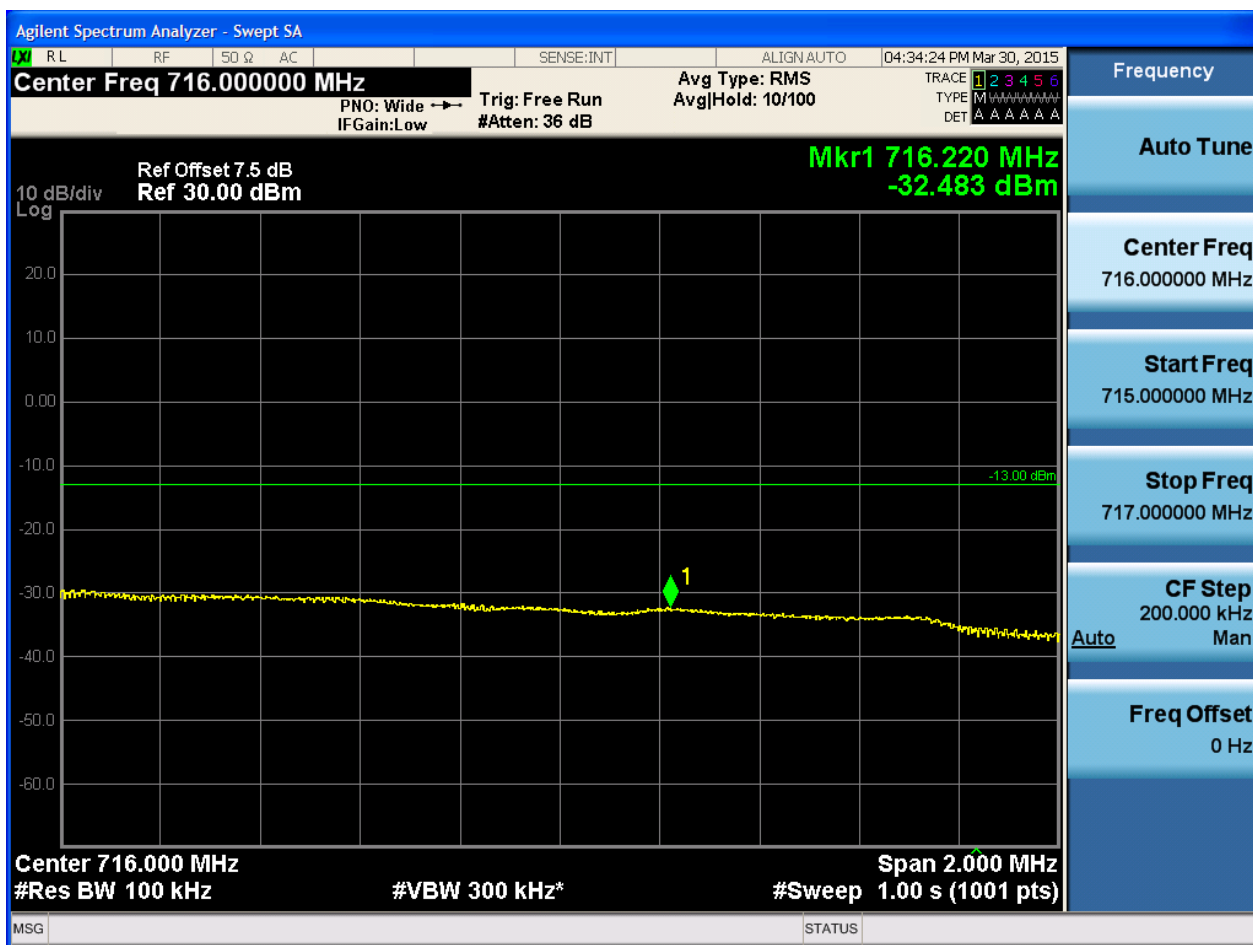


5.3.5.2.2.2 Test RB = RB1#49





5.3.5.2.2.3 Test RB = RB25#13





5.3.5.2.2.4 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 $< \text{RBW}/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / \text{RBW})$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

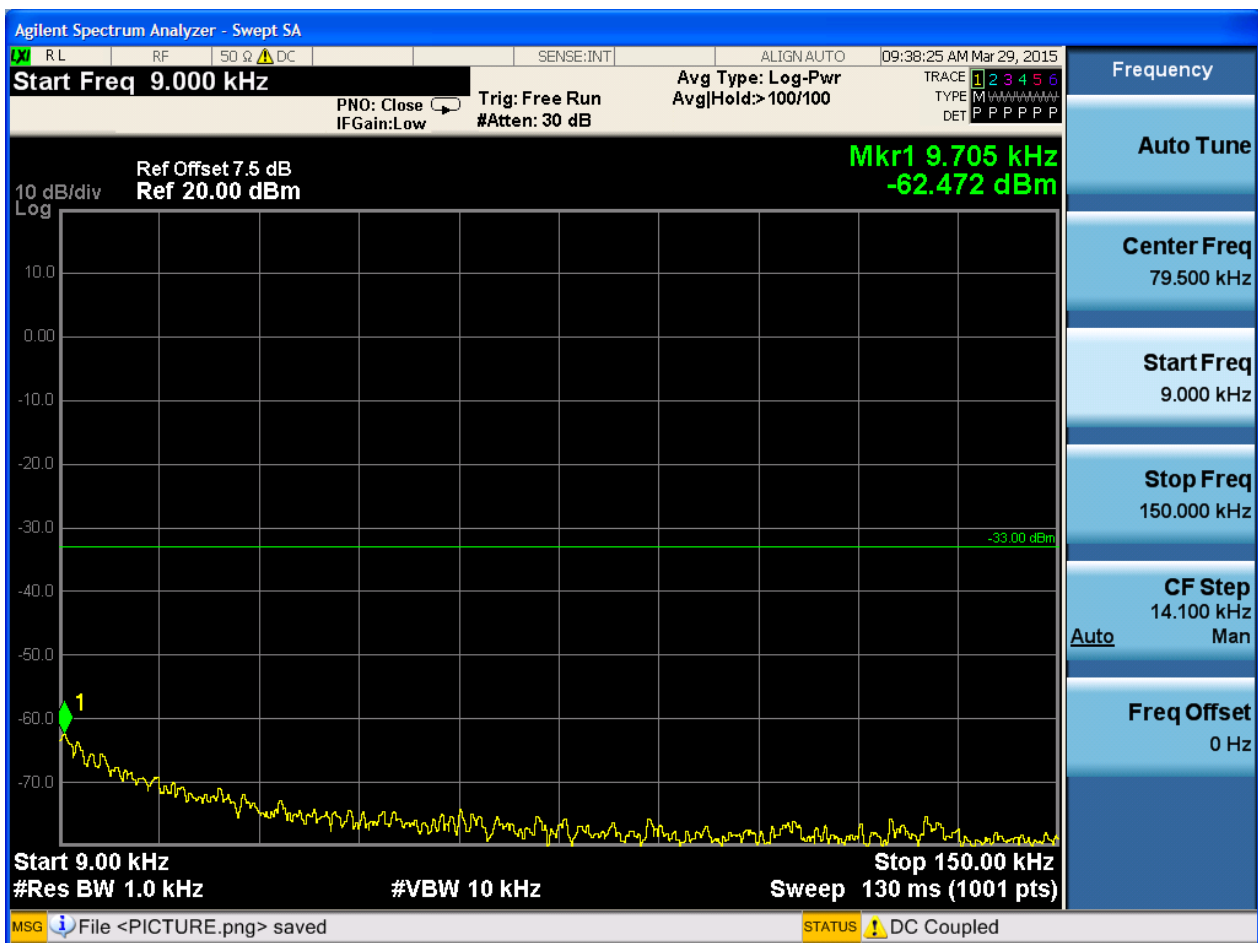
Part I - Test Plots

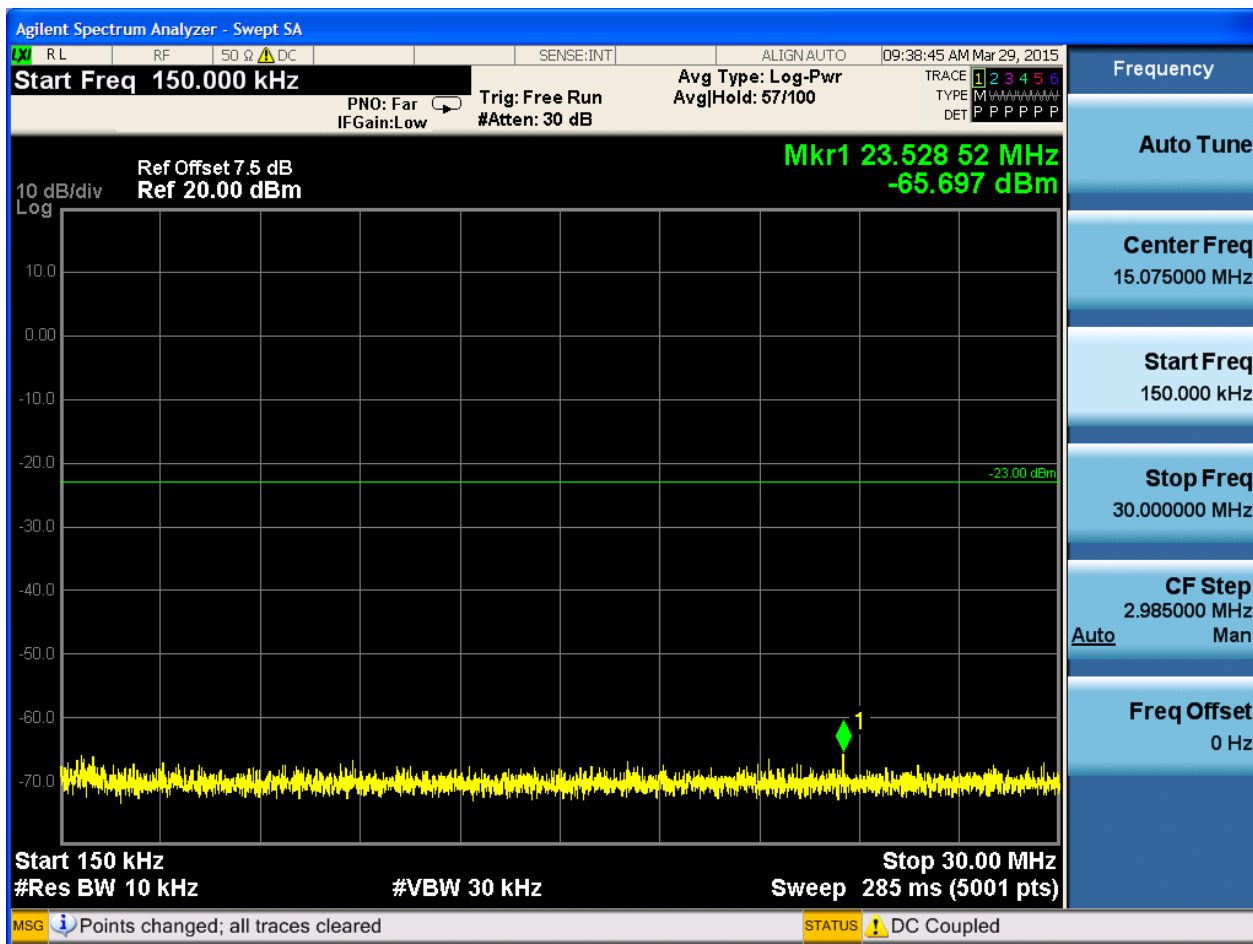
6.1 For GSM

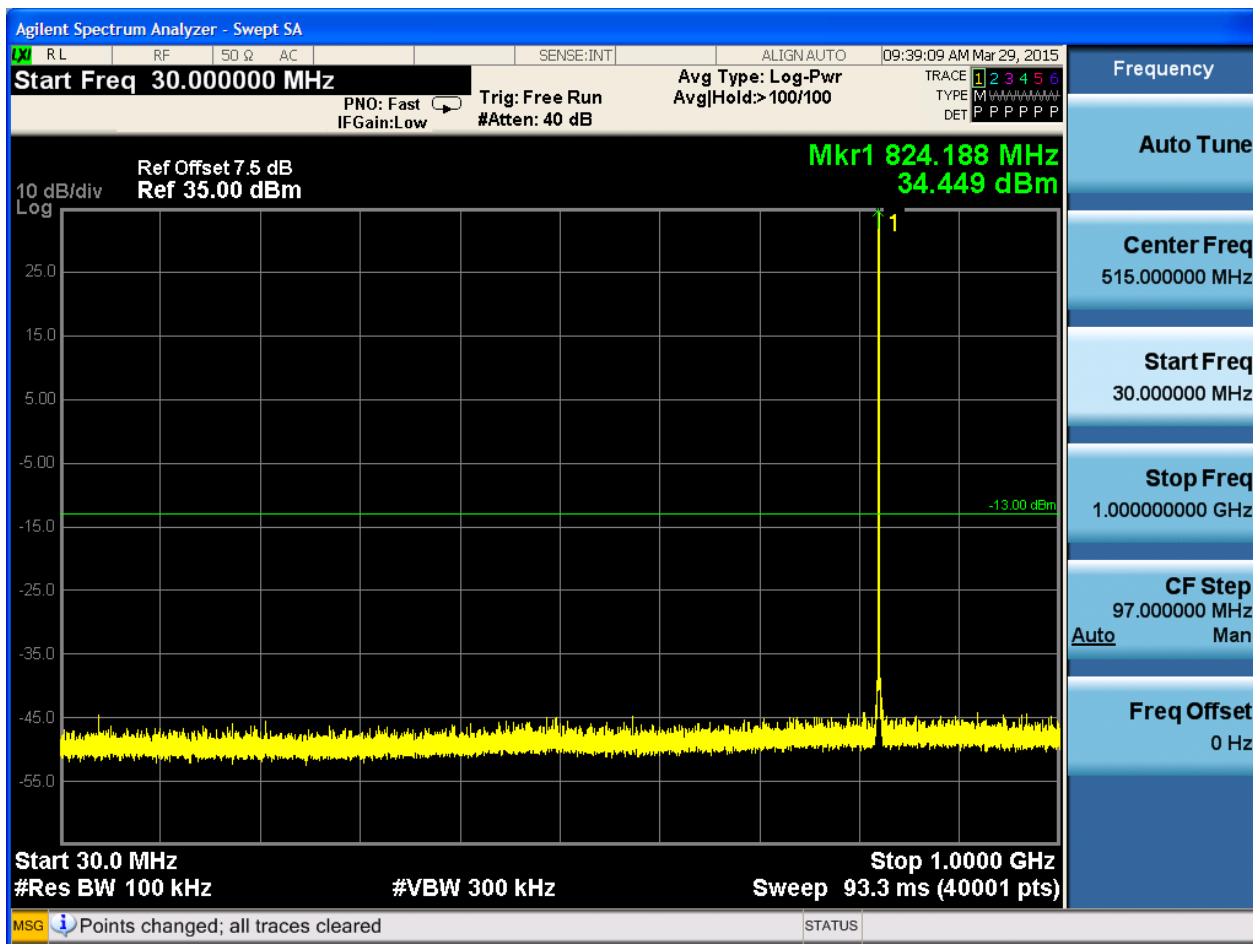
6.1.1 Test Band = GSM850

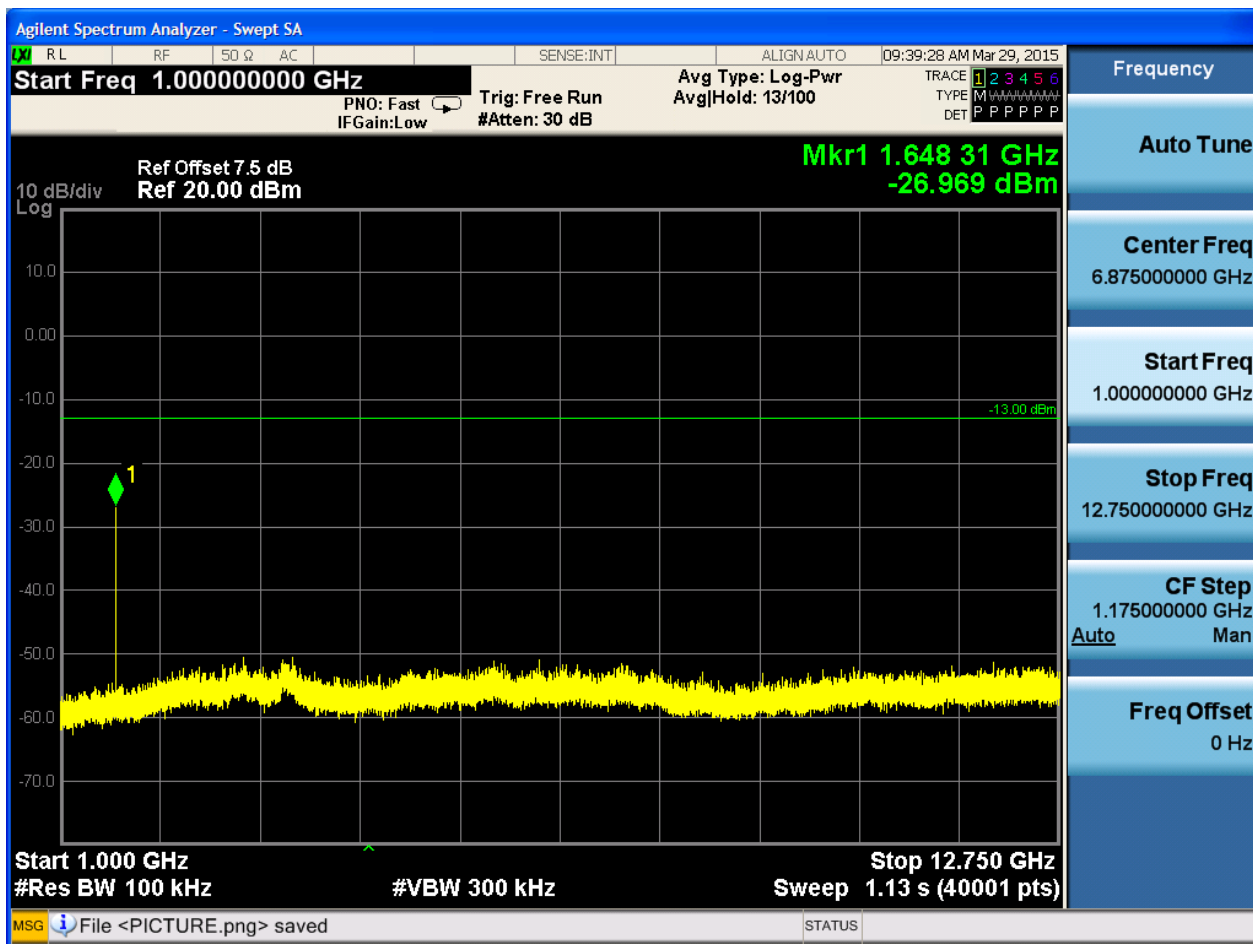
6.1.1.1 Test Mode = GSM/TM1

6.1.1.1.1 Test Channel = LCH



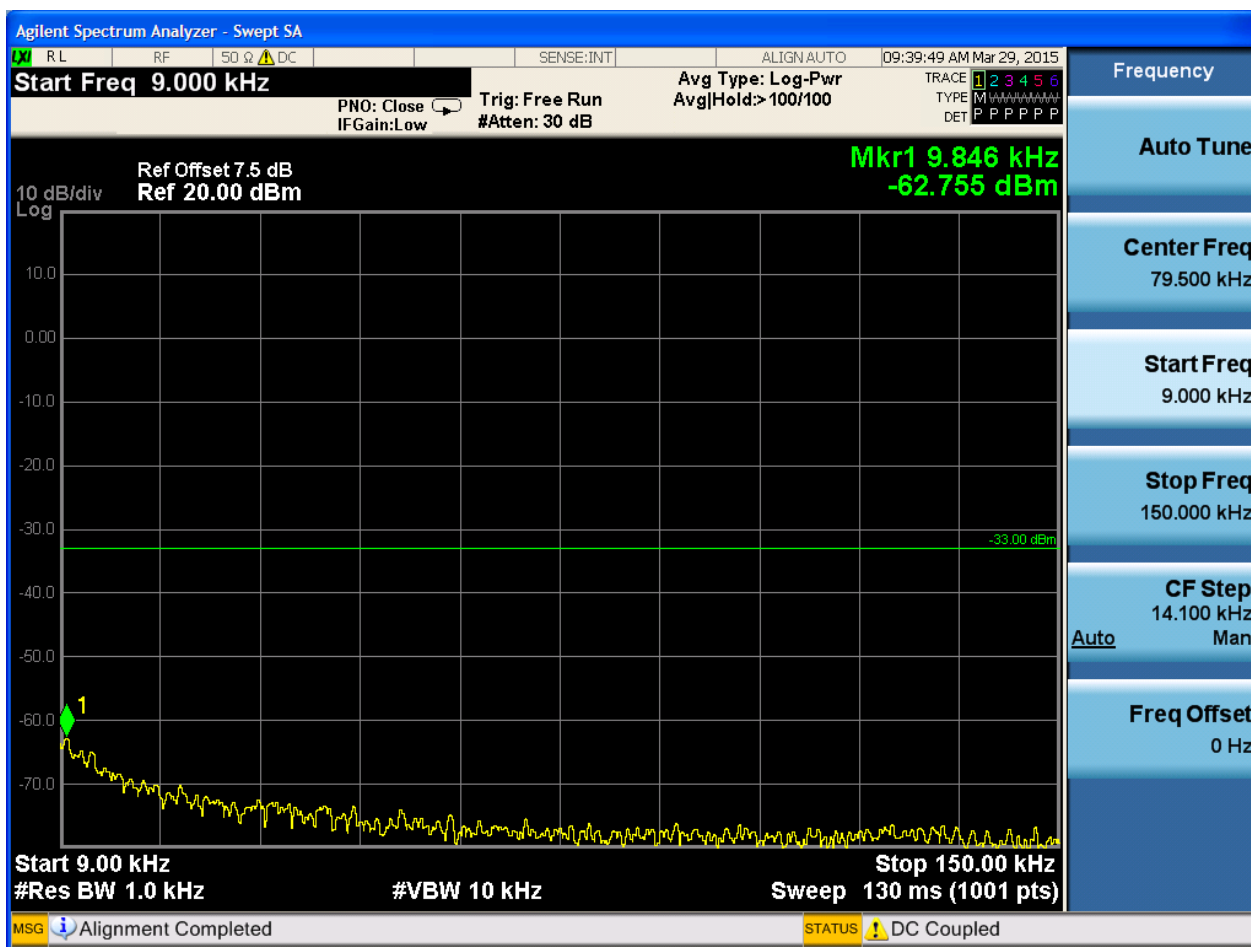


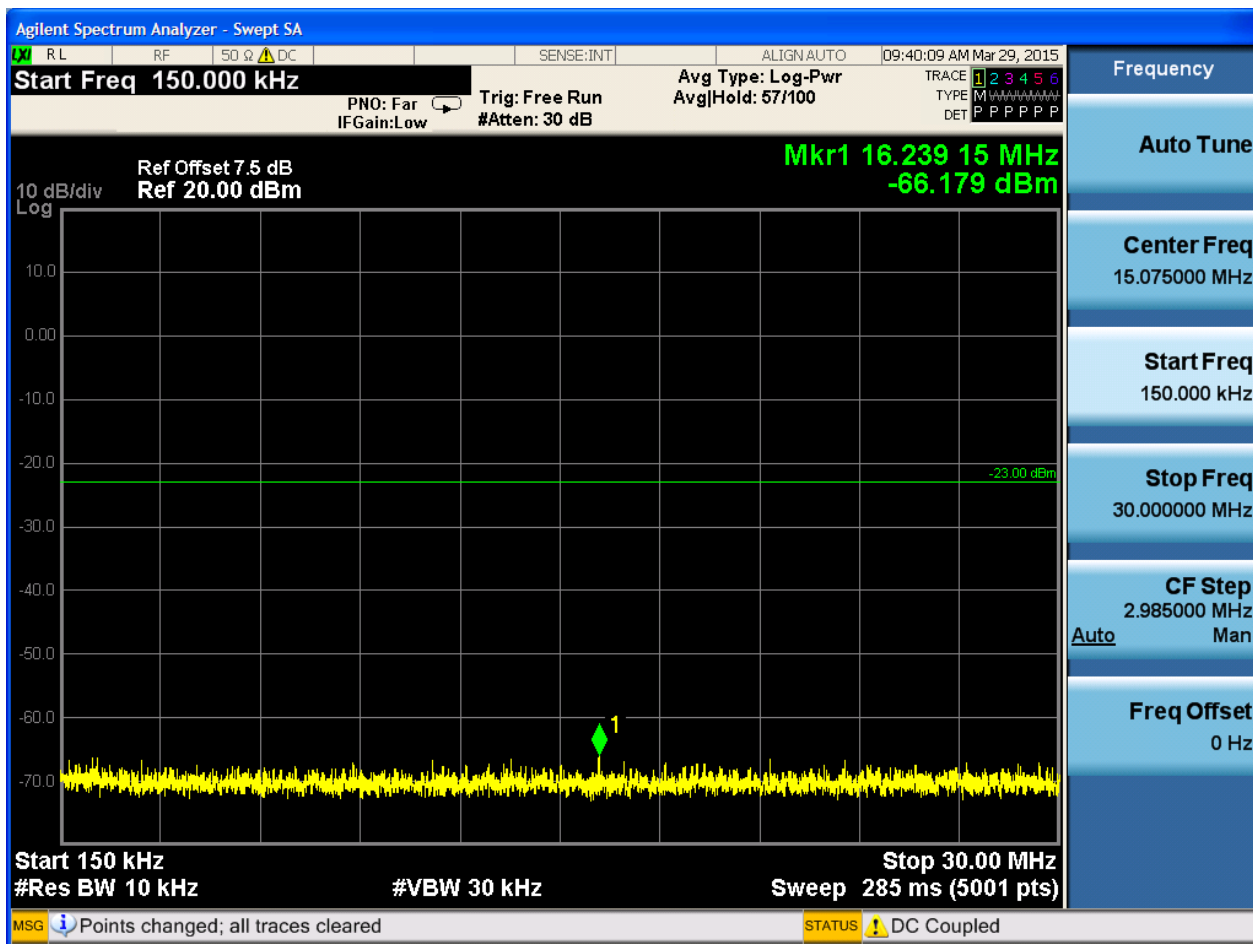


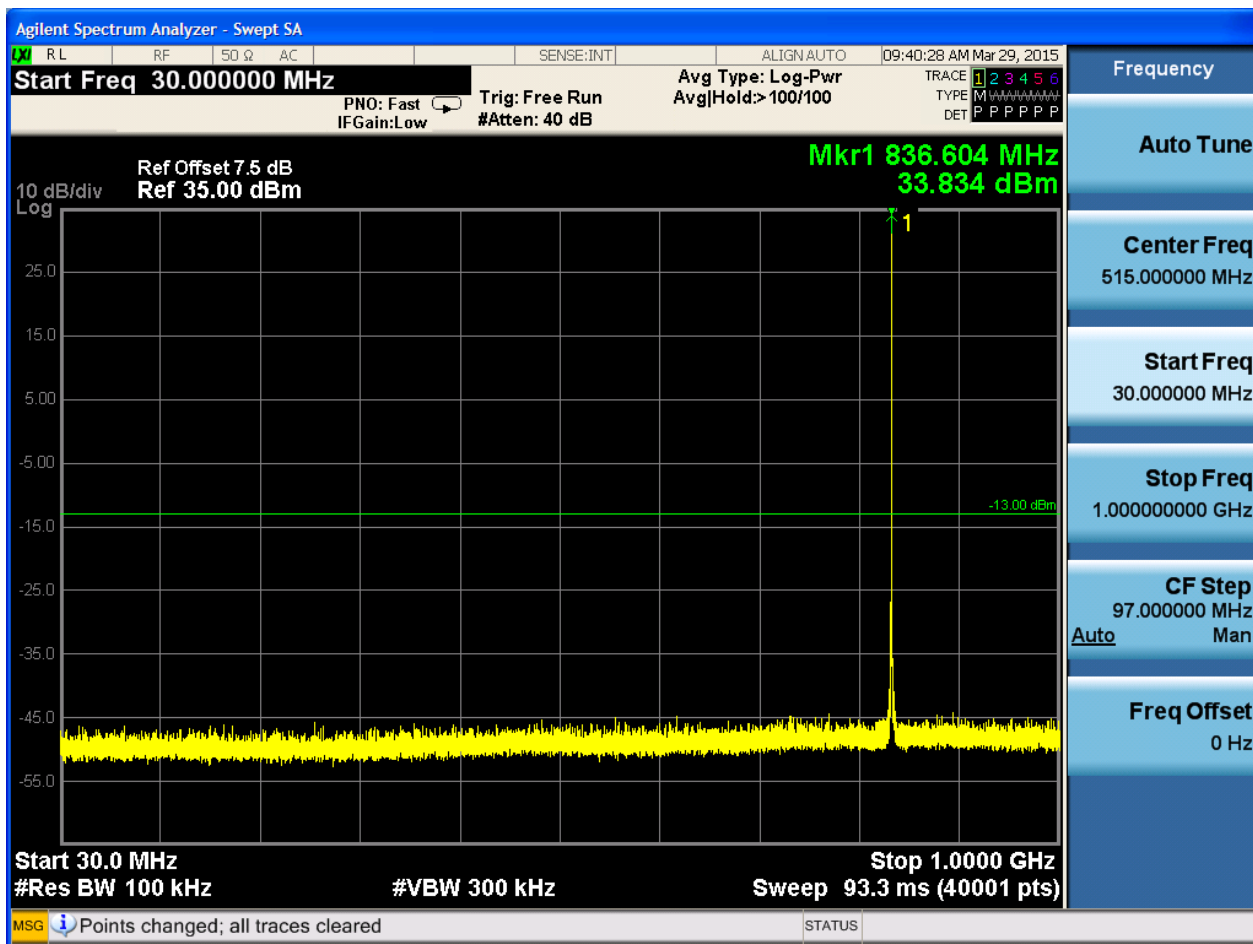


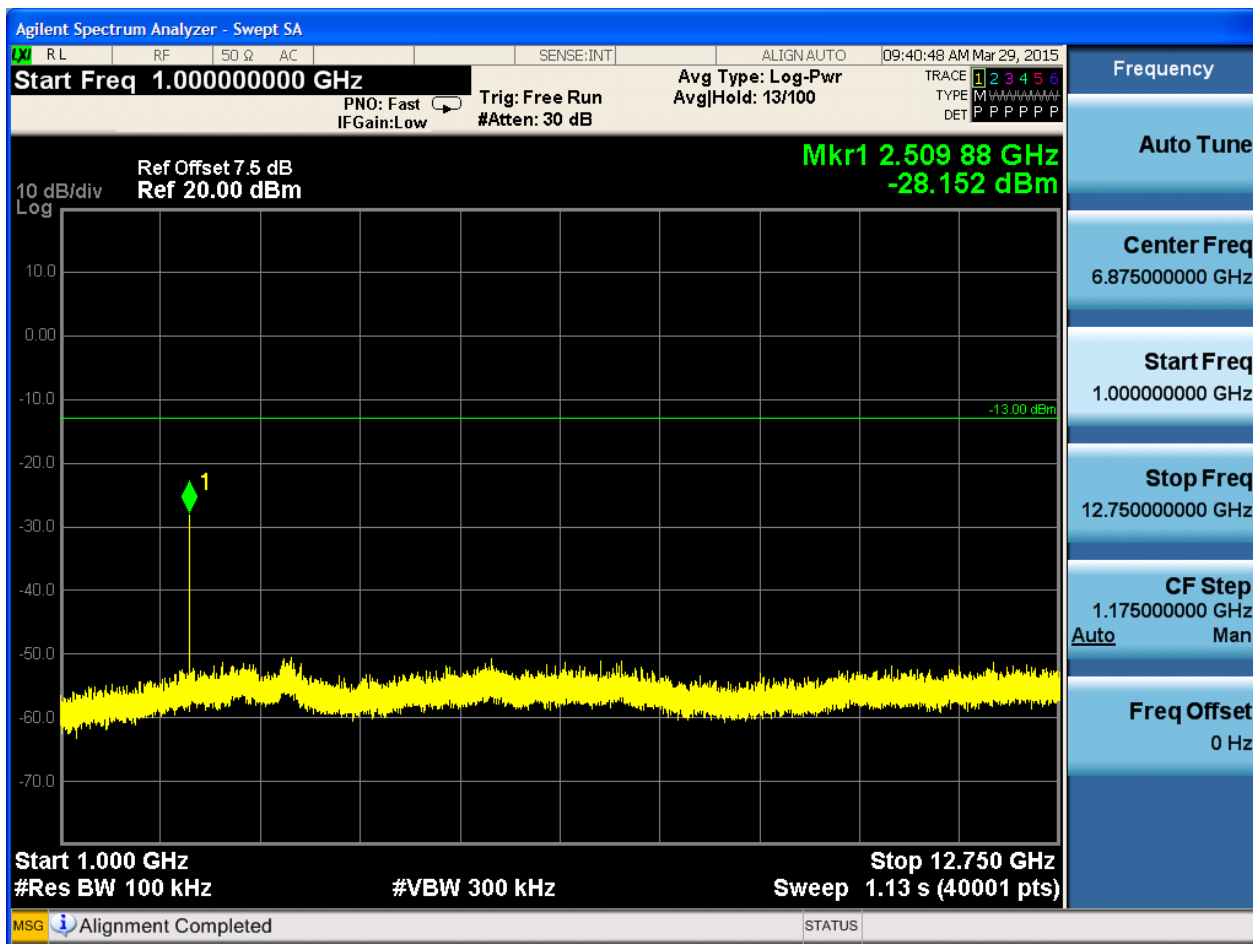


6.1.1.1.2 Test Channel = MCH



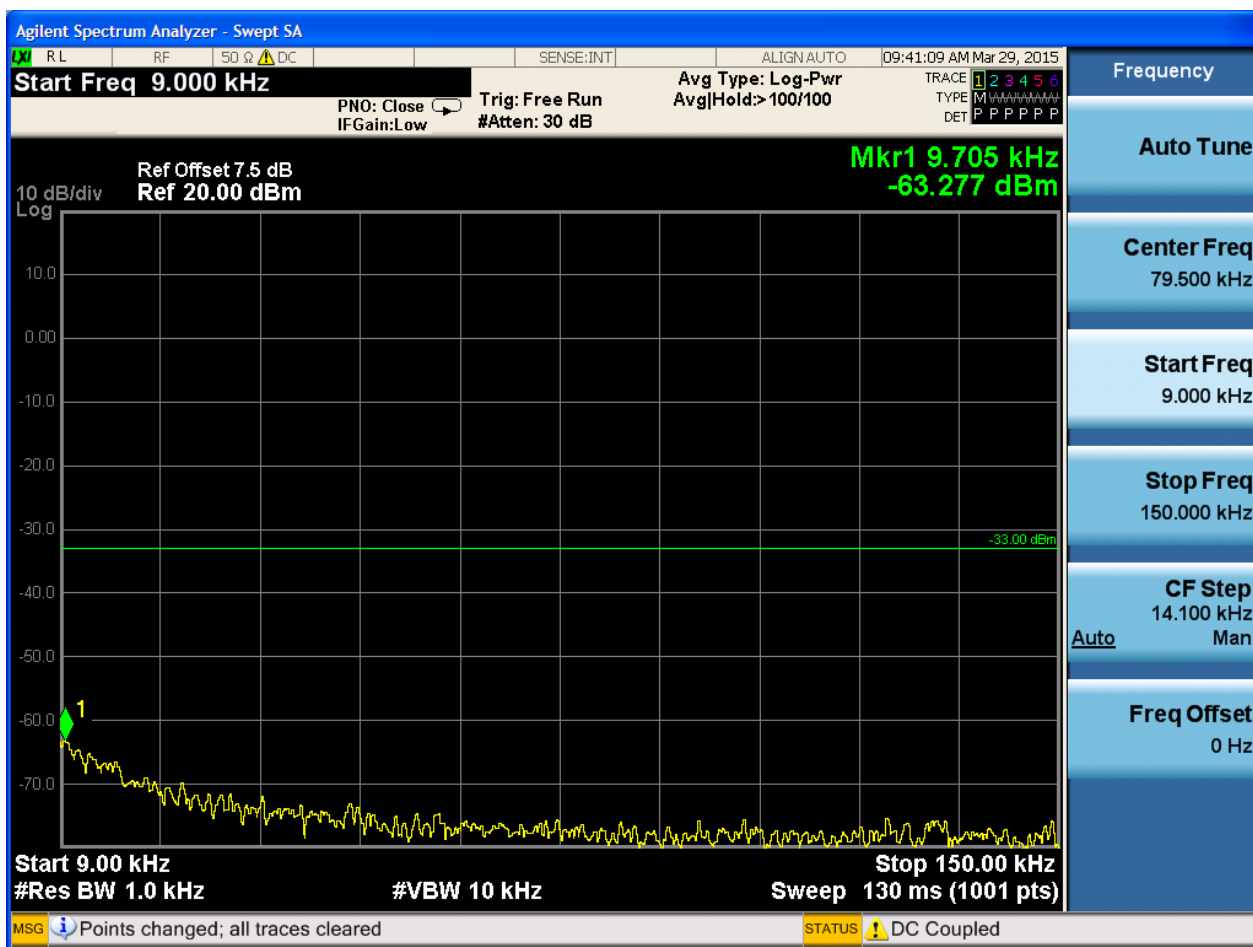


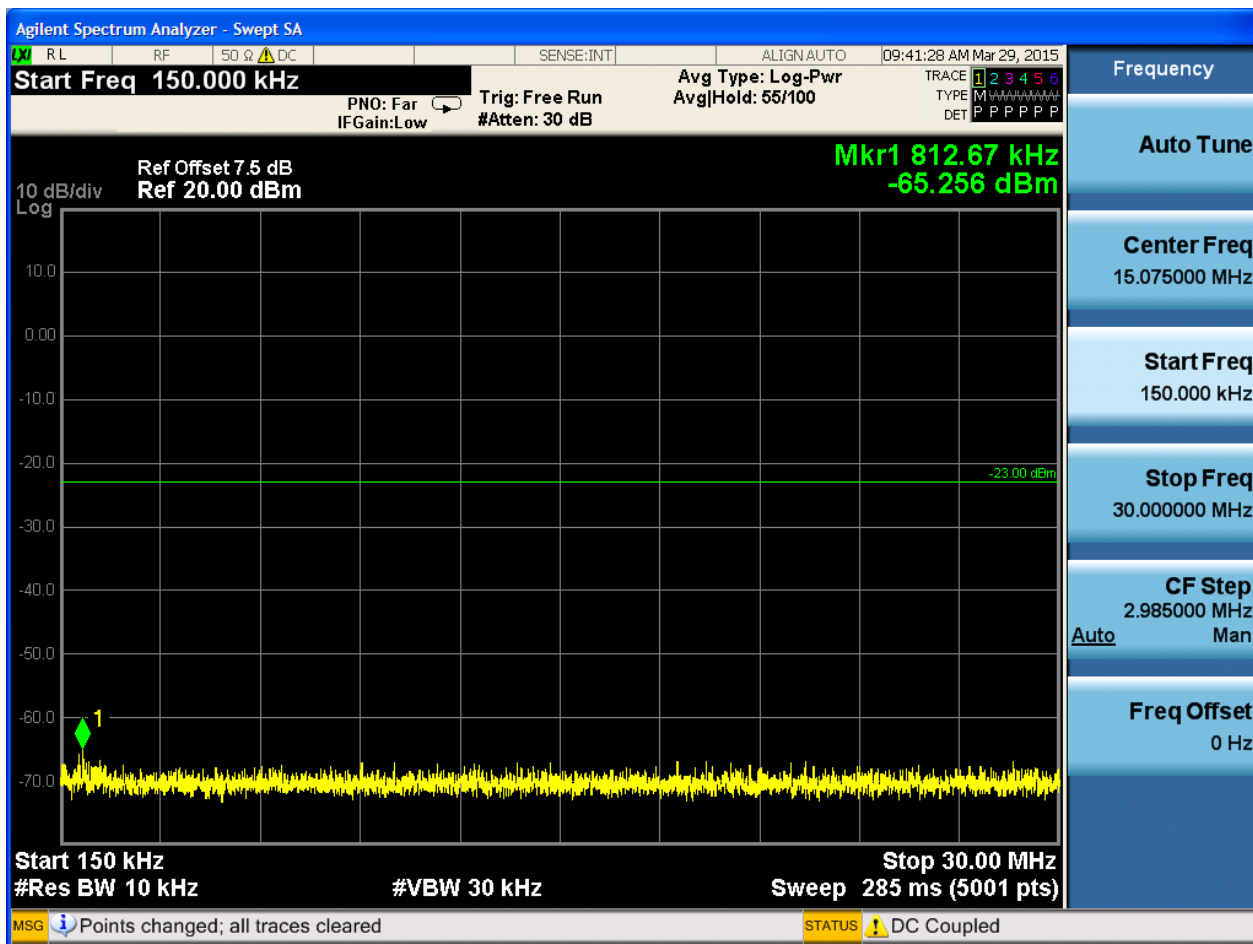


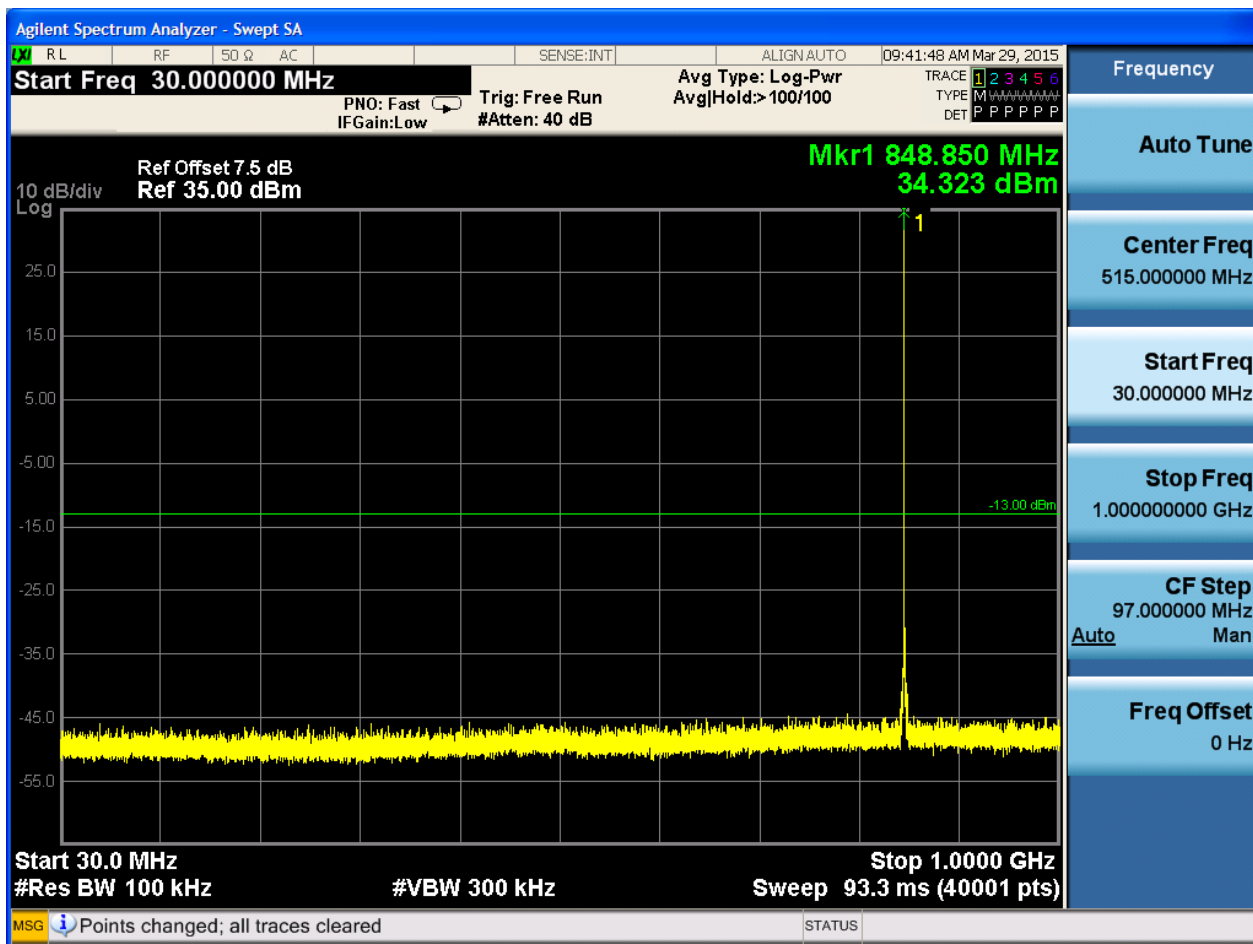


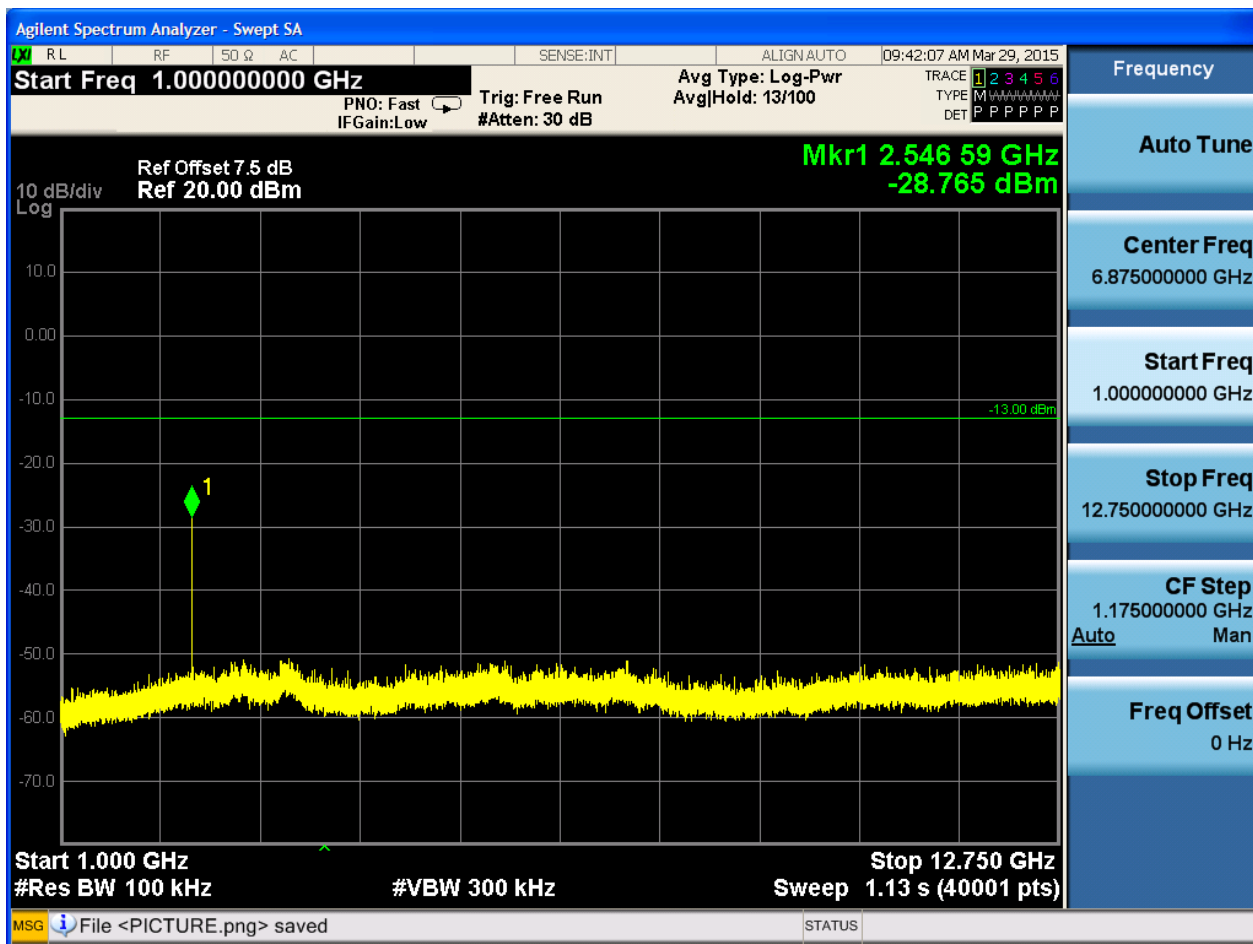


6.1.1.1.3 Test Channel = HCH



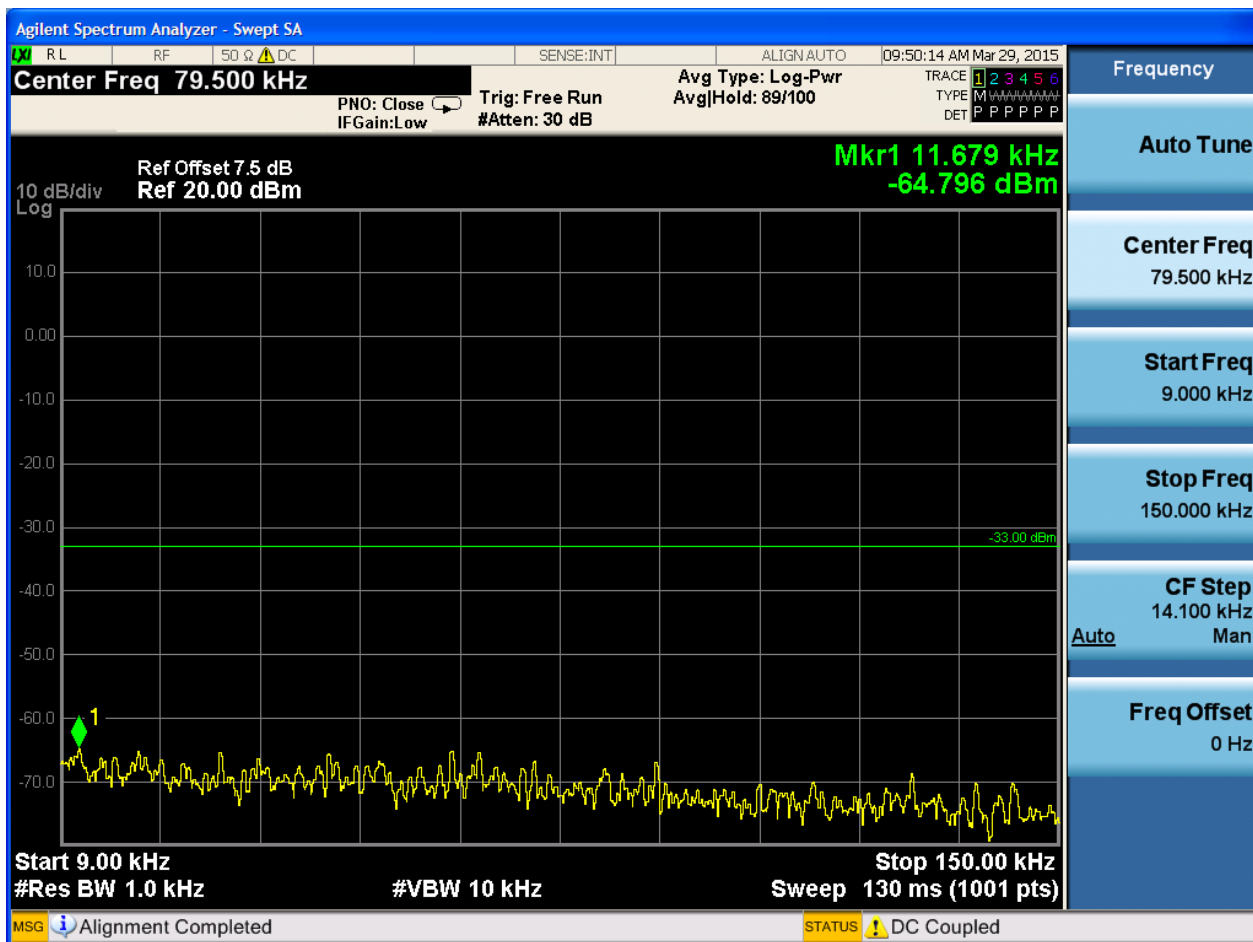


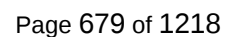


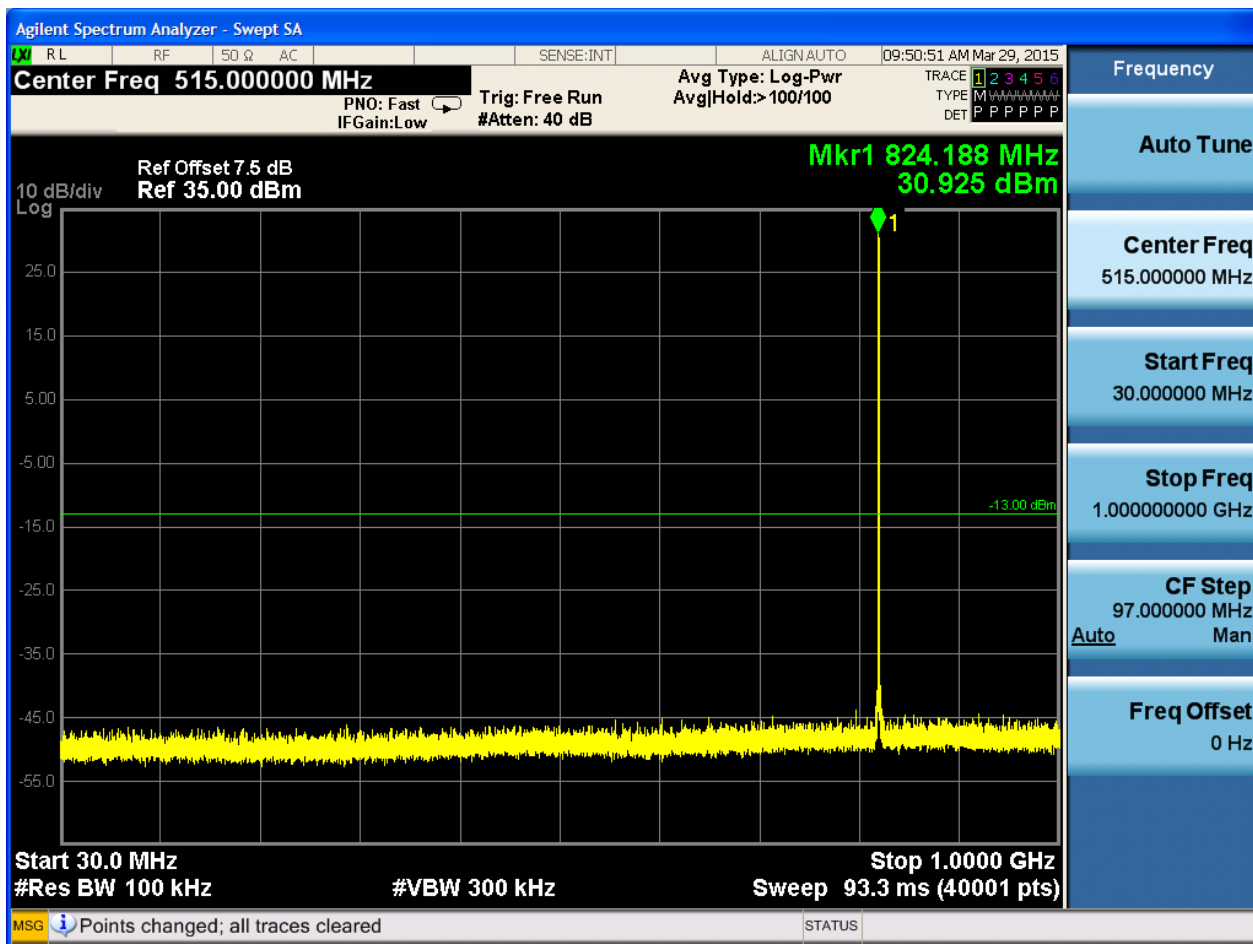


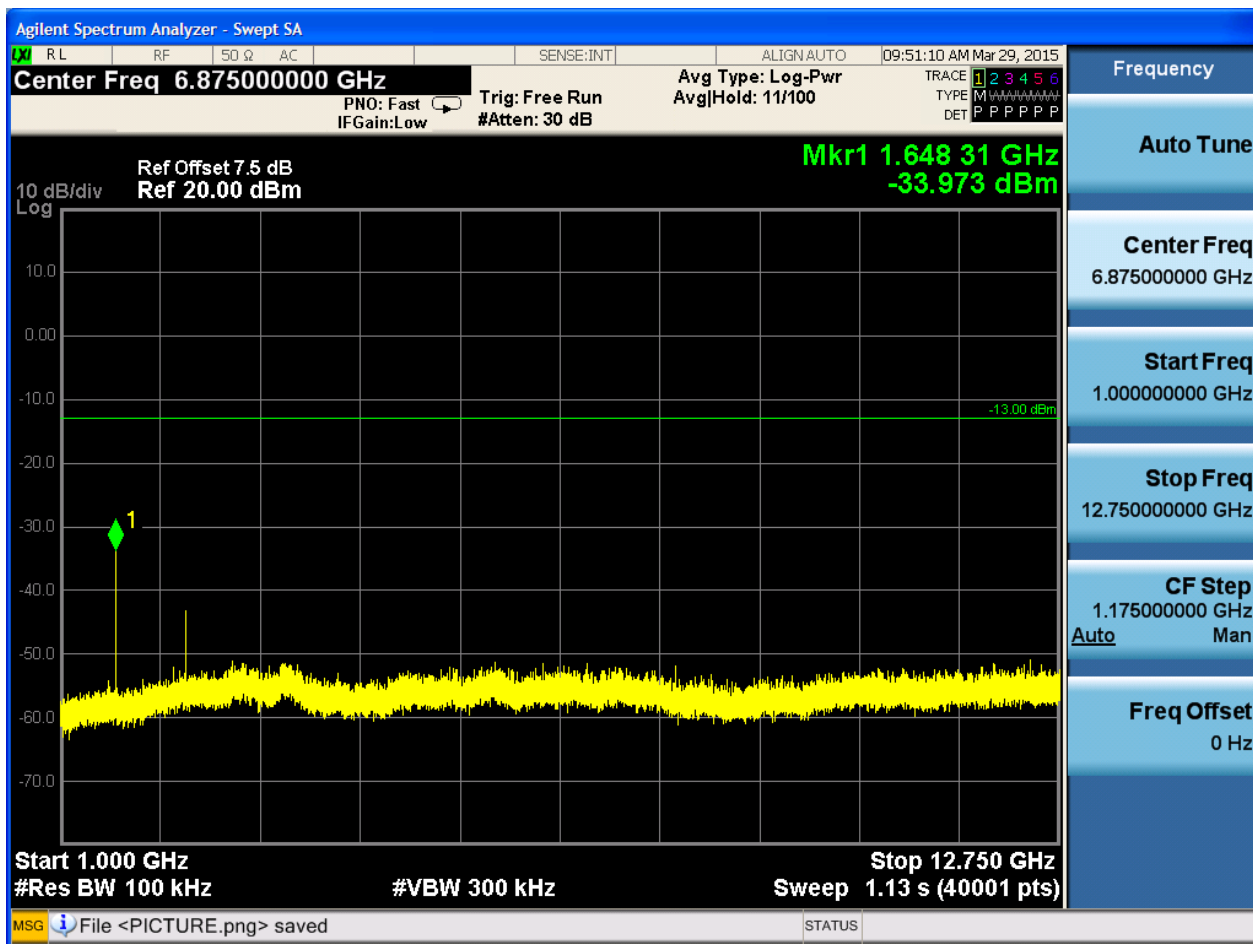
6.1.1.2 Test Mode = GSM/TM2

6.1.1.2.1 Test Channel = LCH



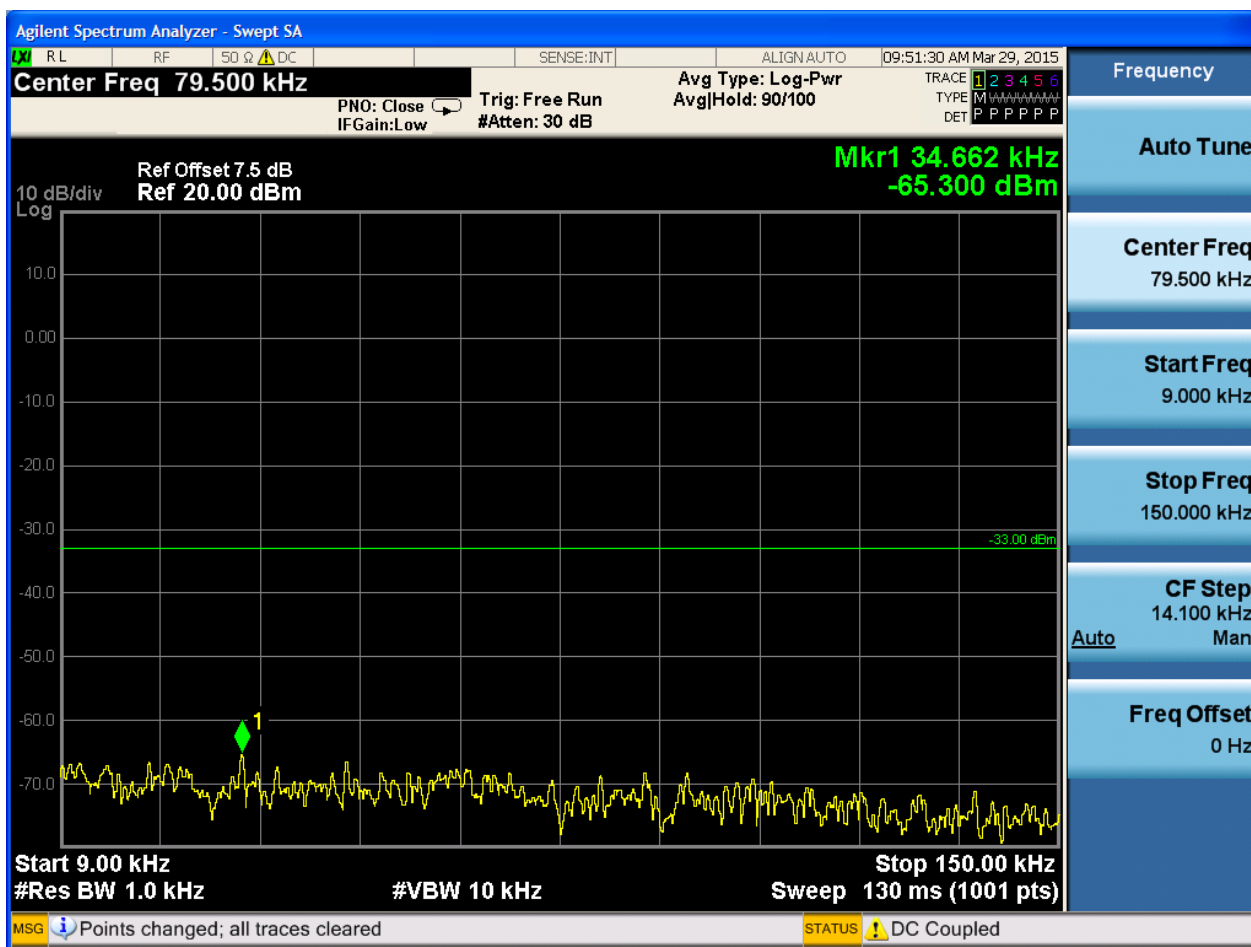


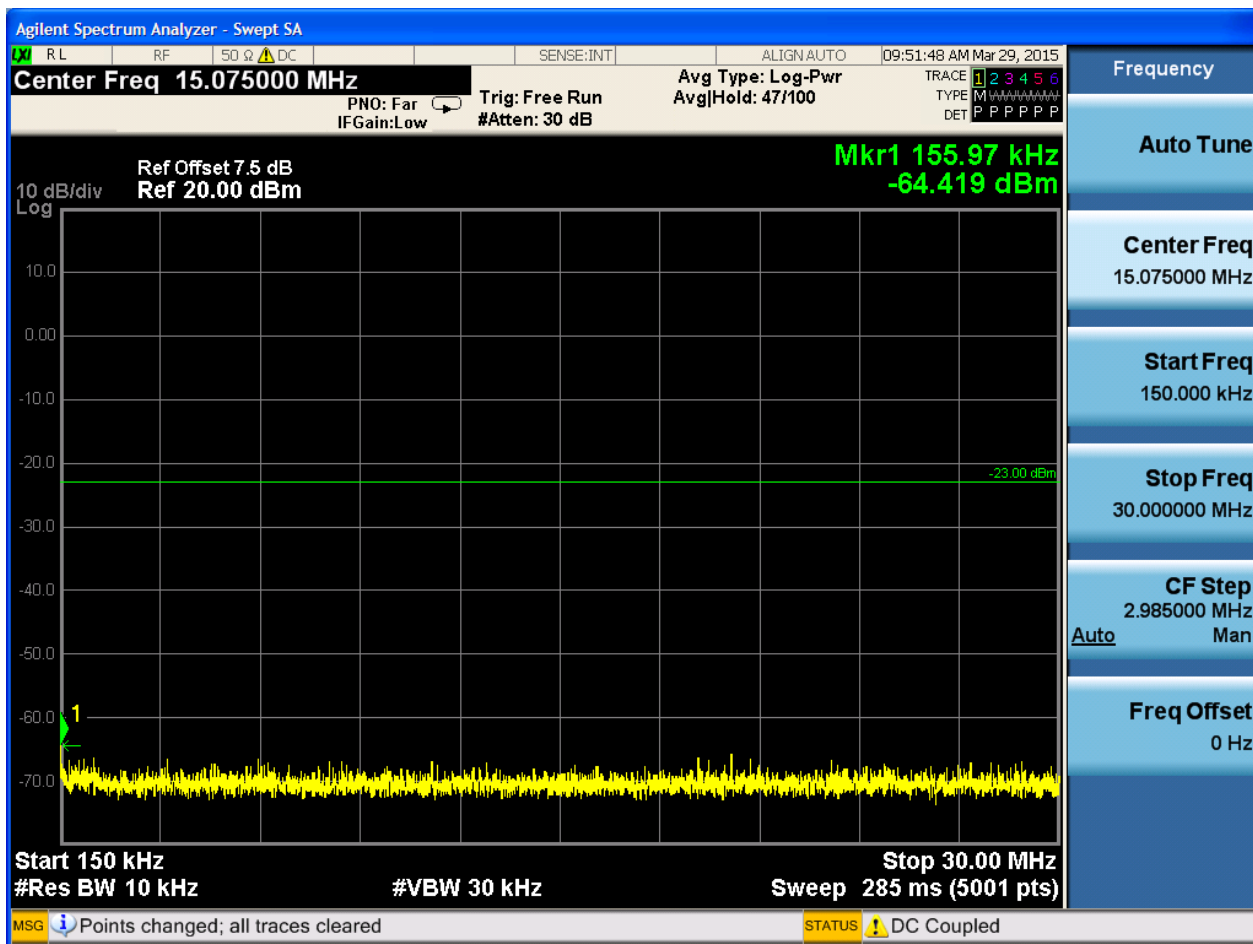


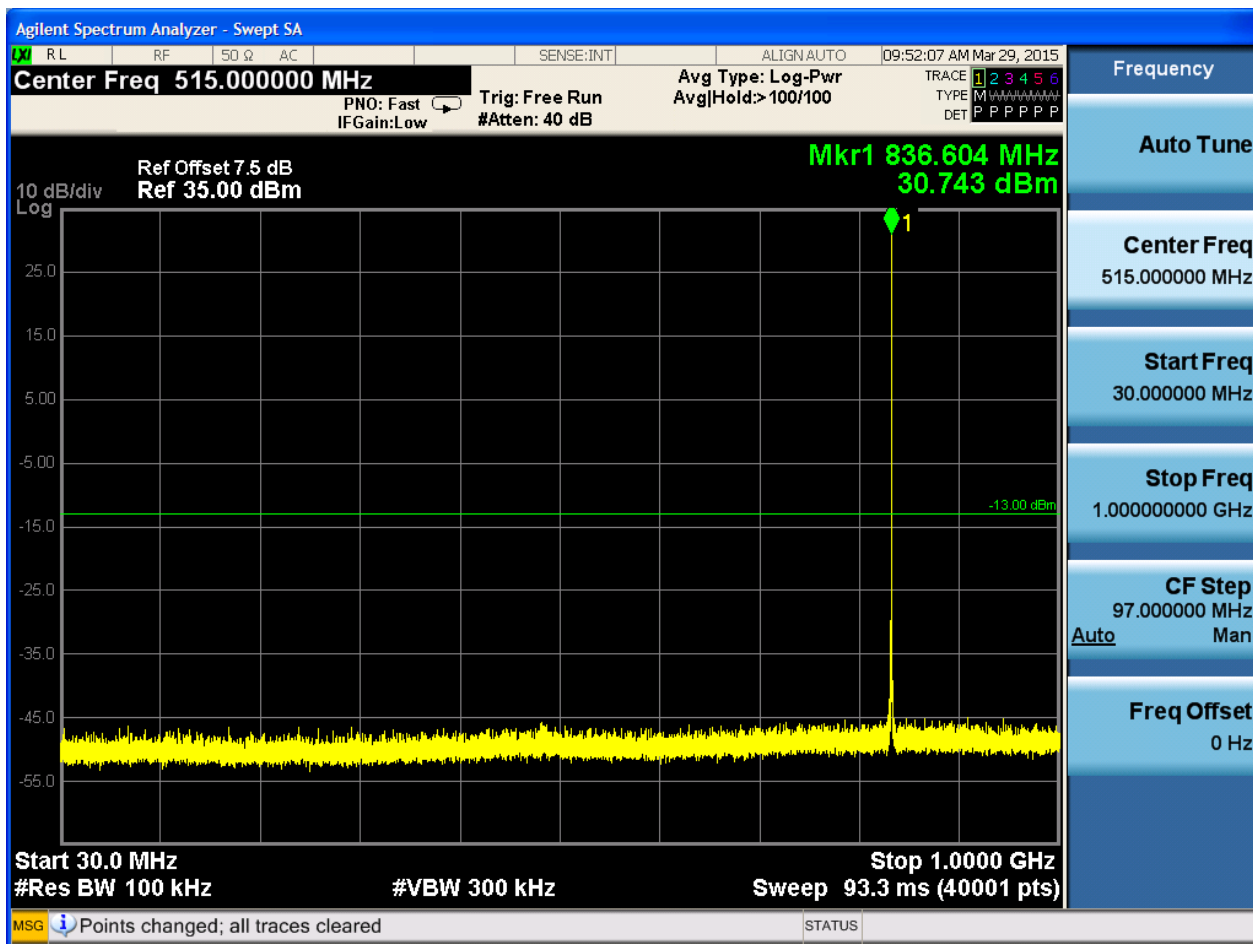


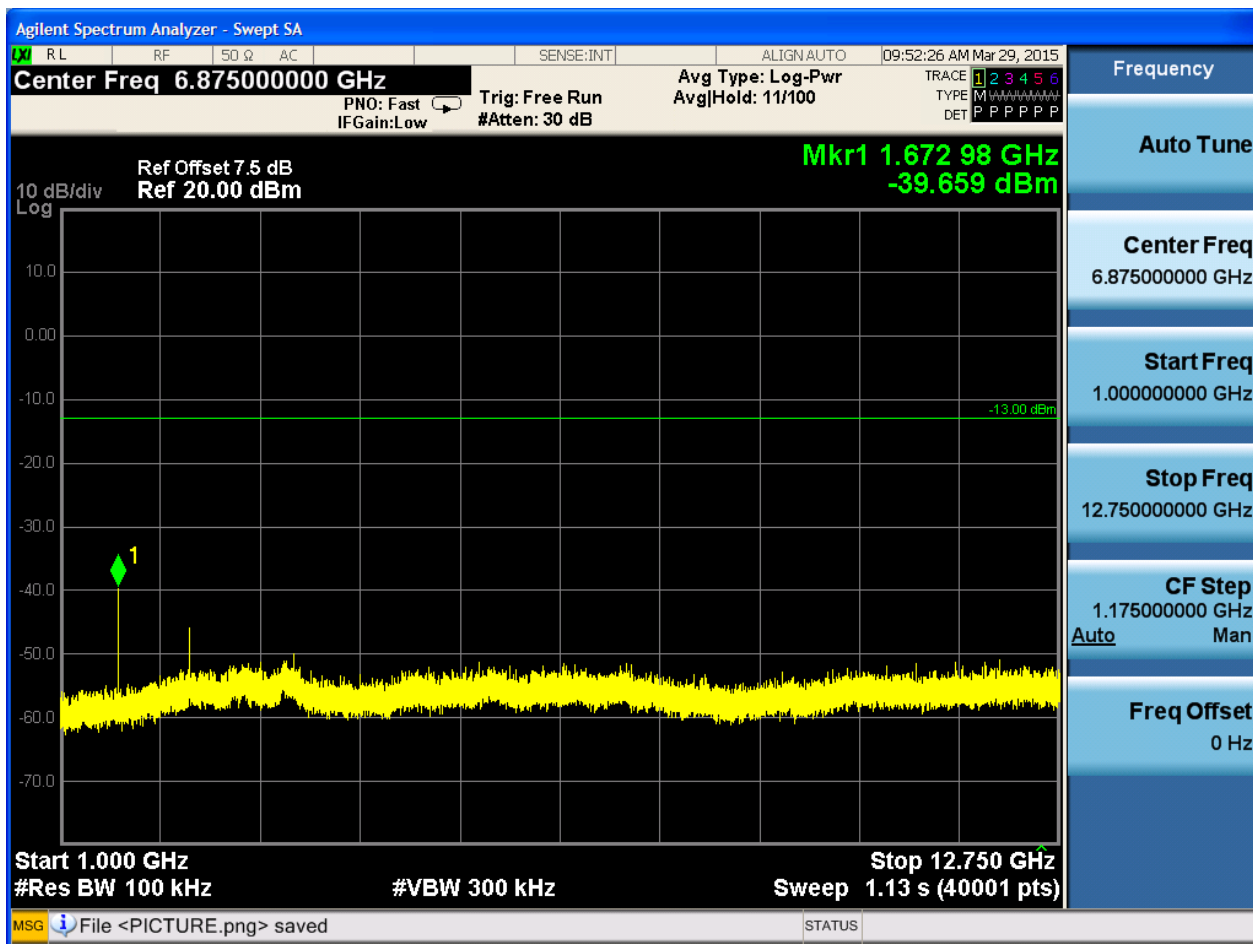


6.1.1.2.2 Test Channel = MCH



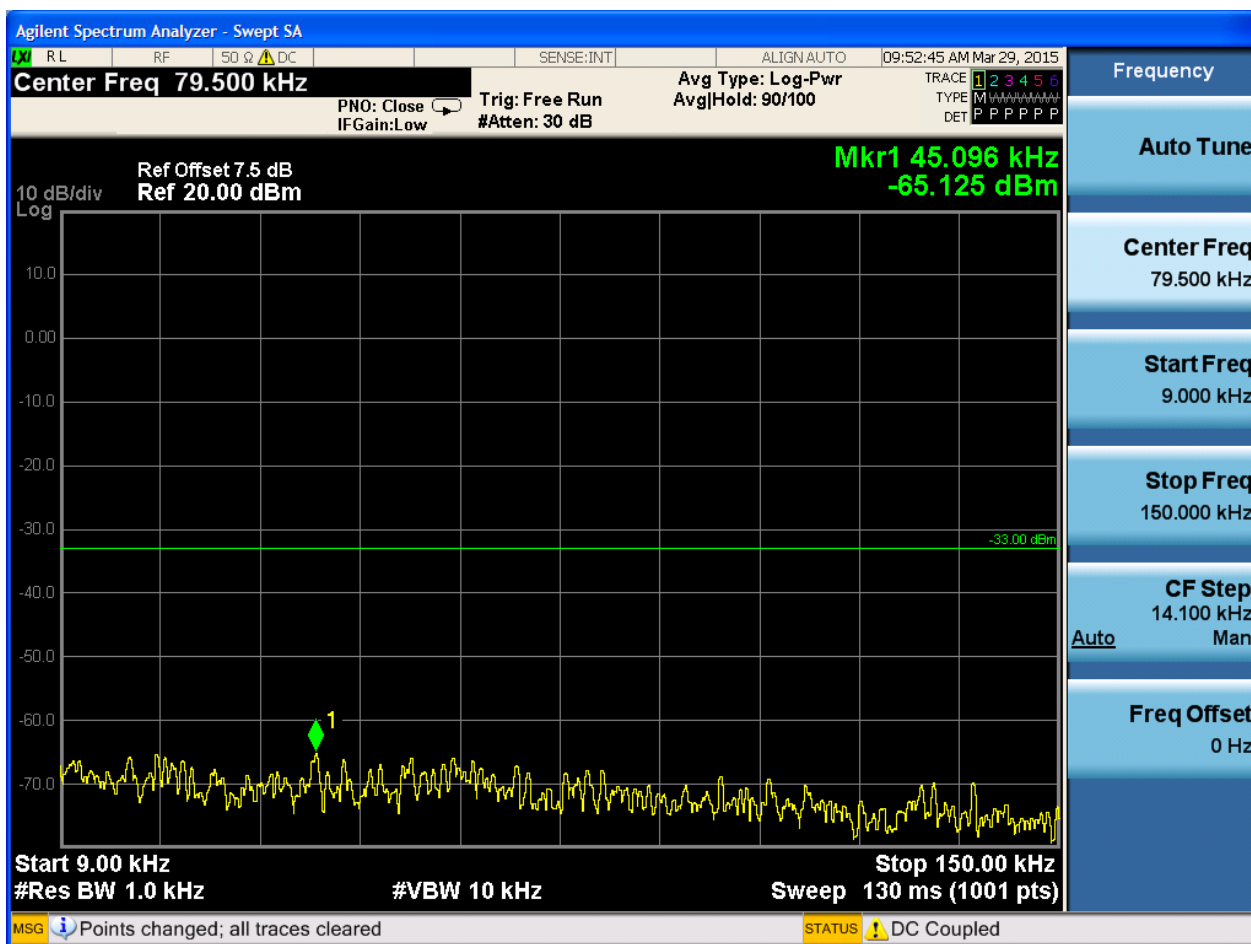


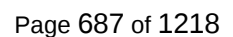


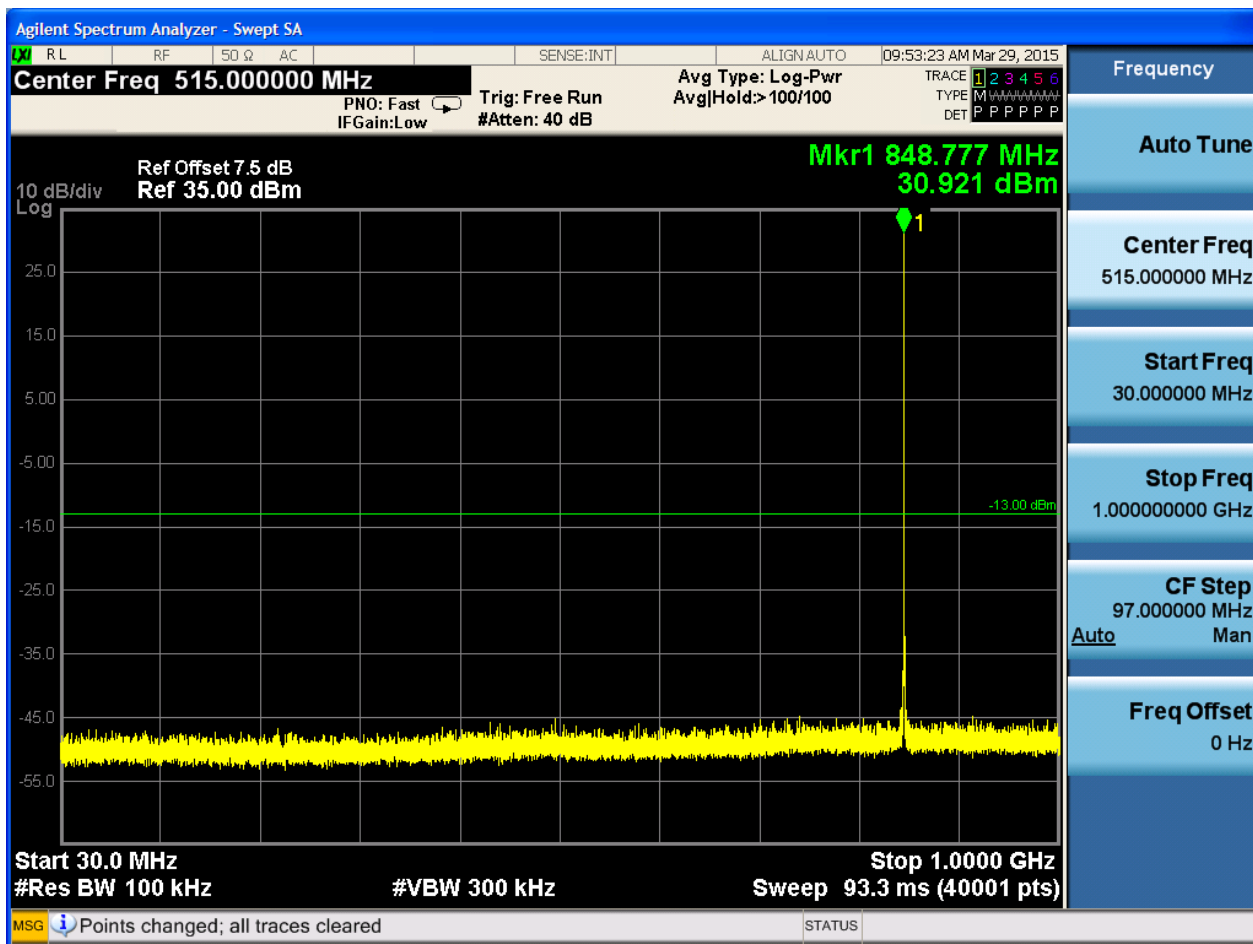


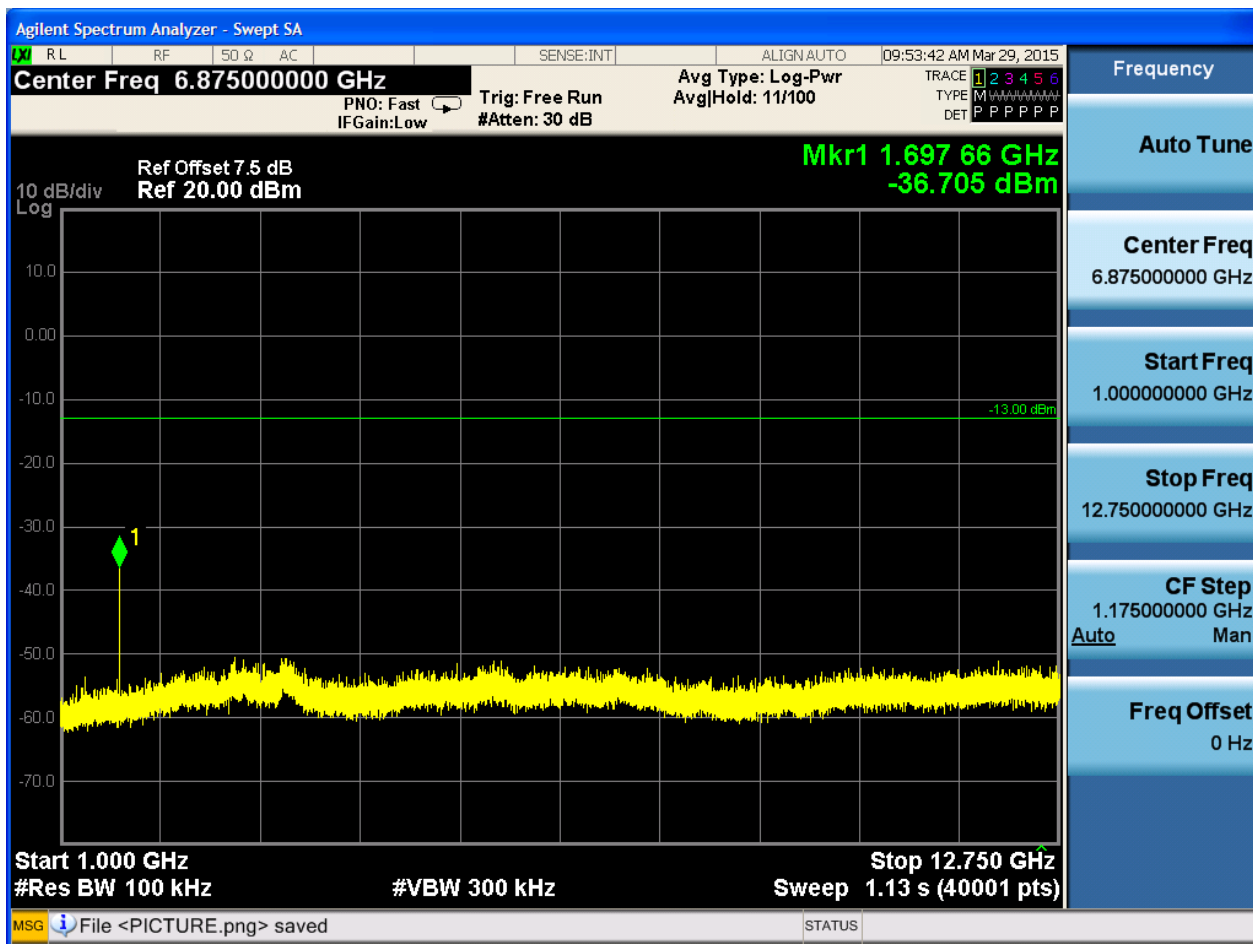


6.1.1.2.3 Test Channel = HCH







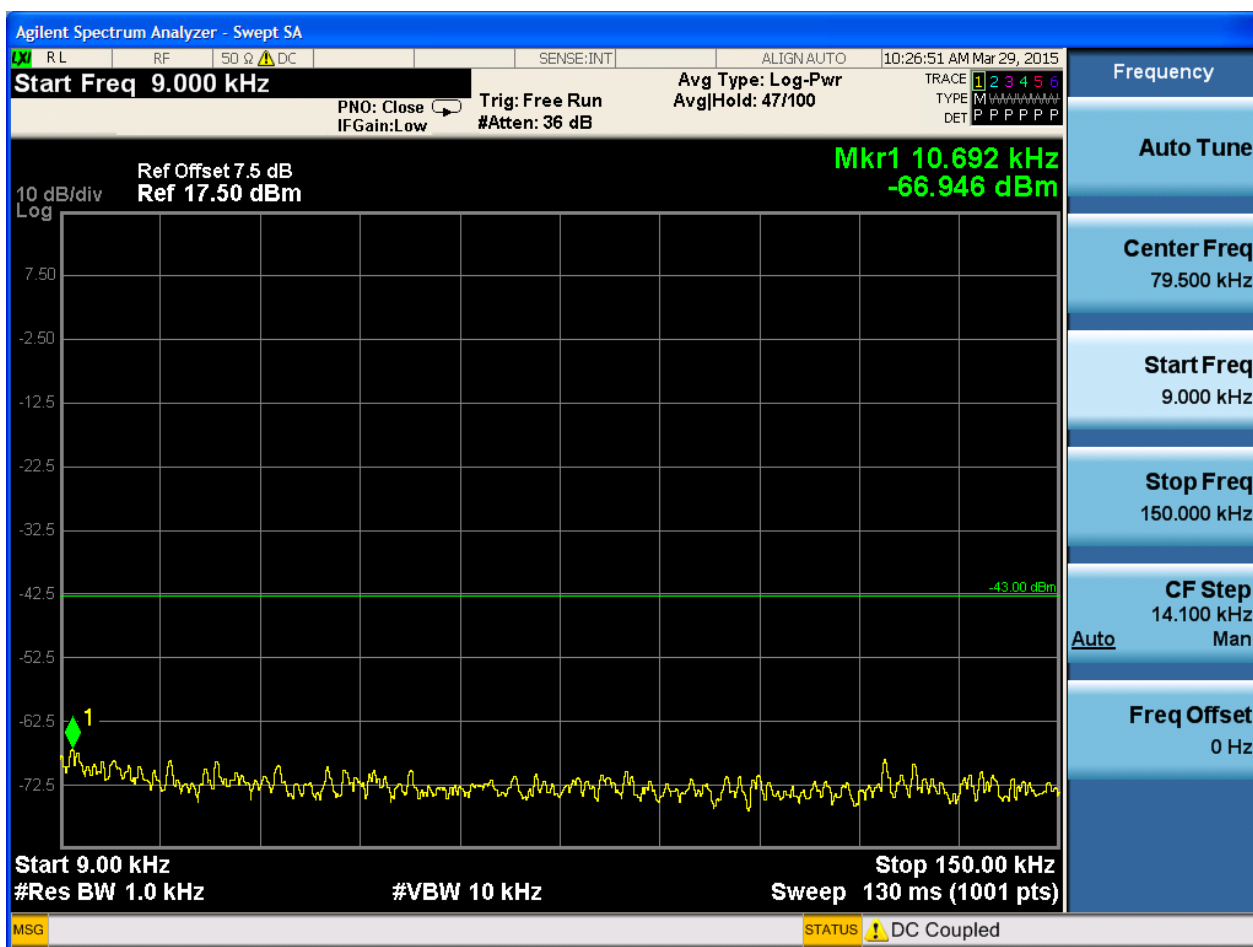


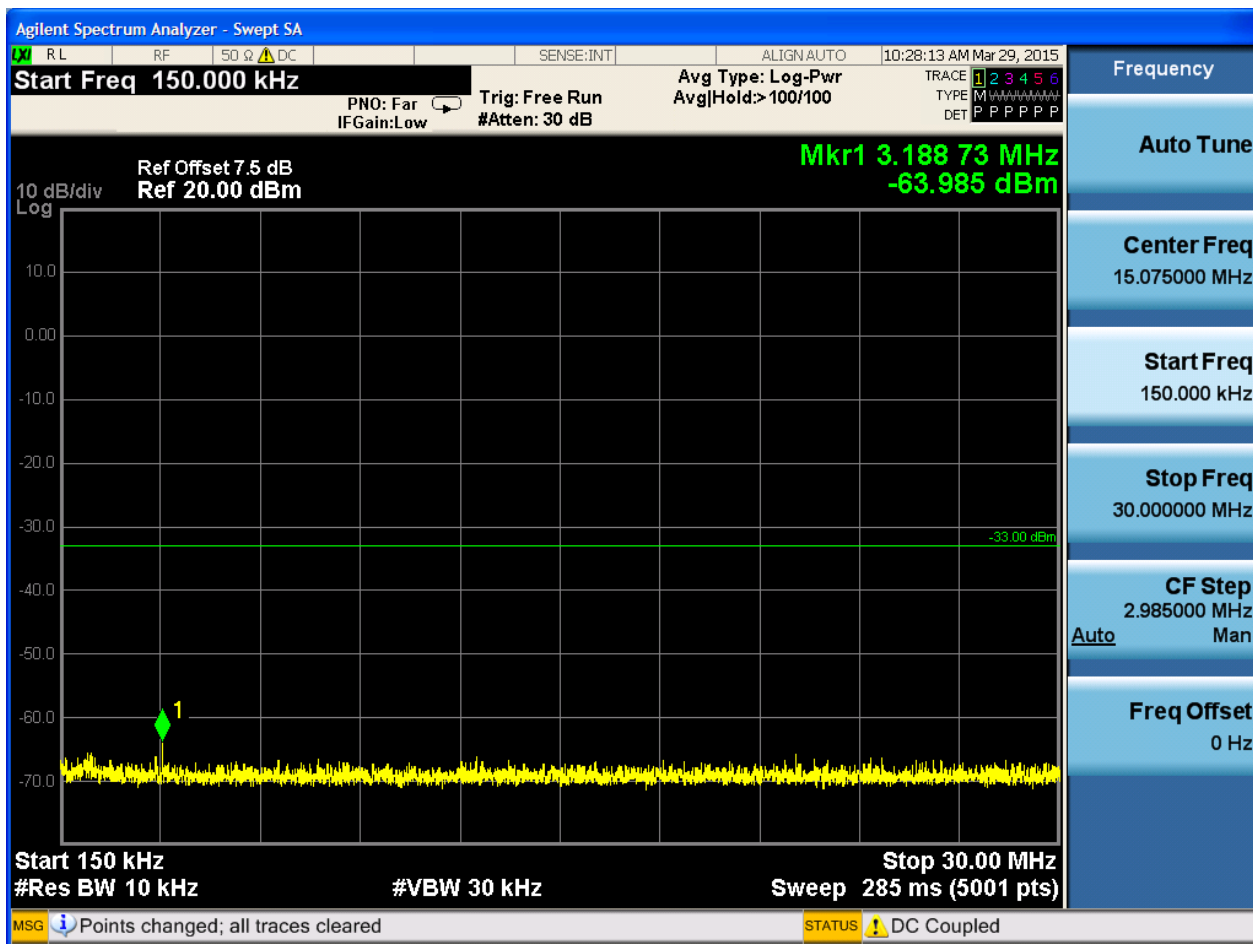


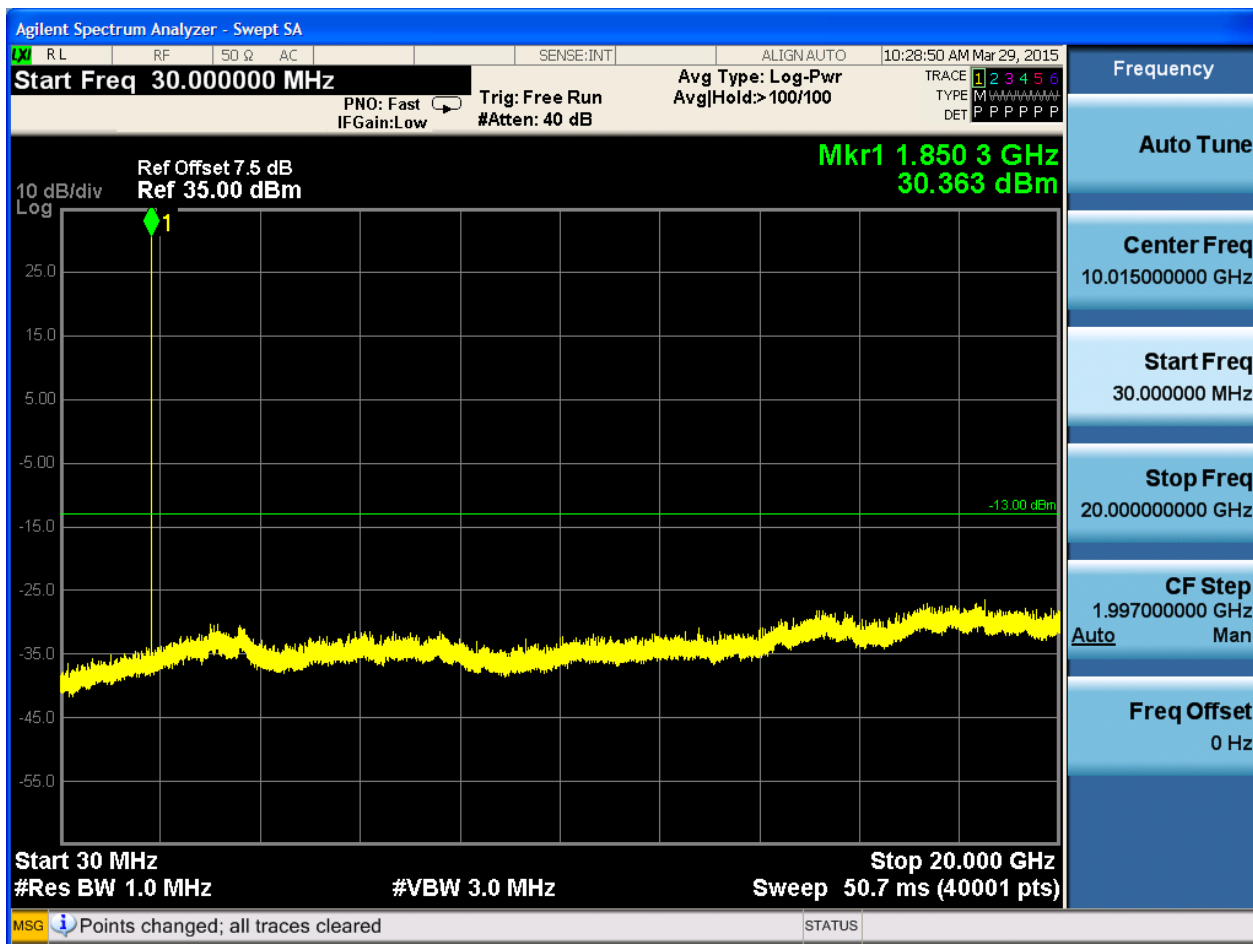
6.1.2 Test Band = GSM1900

6.1.2.1 Test Mode = GSM/TM1

6.1.2.1.1 Test Channel = LCH

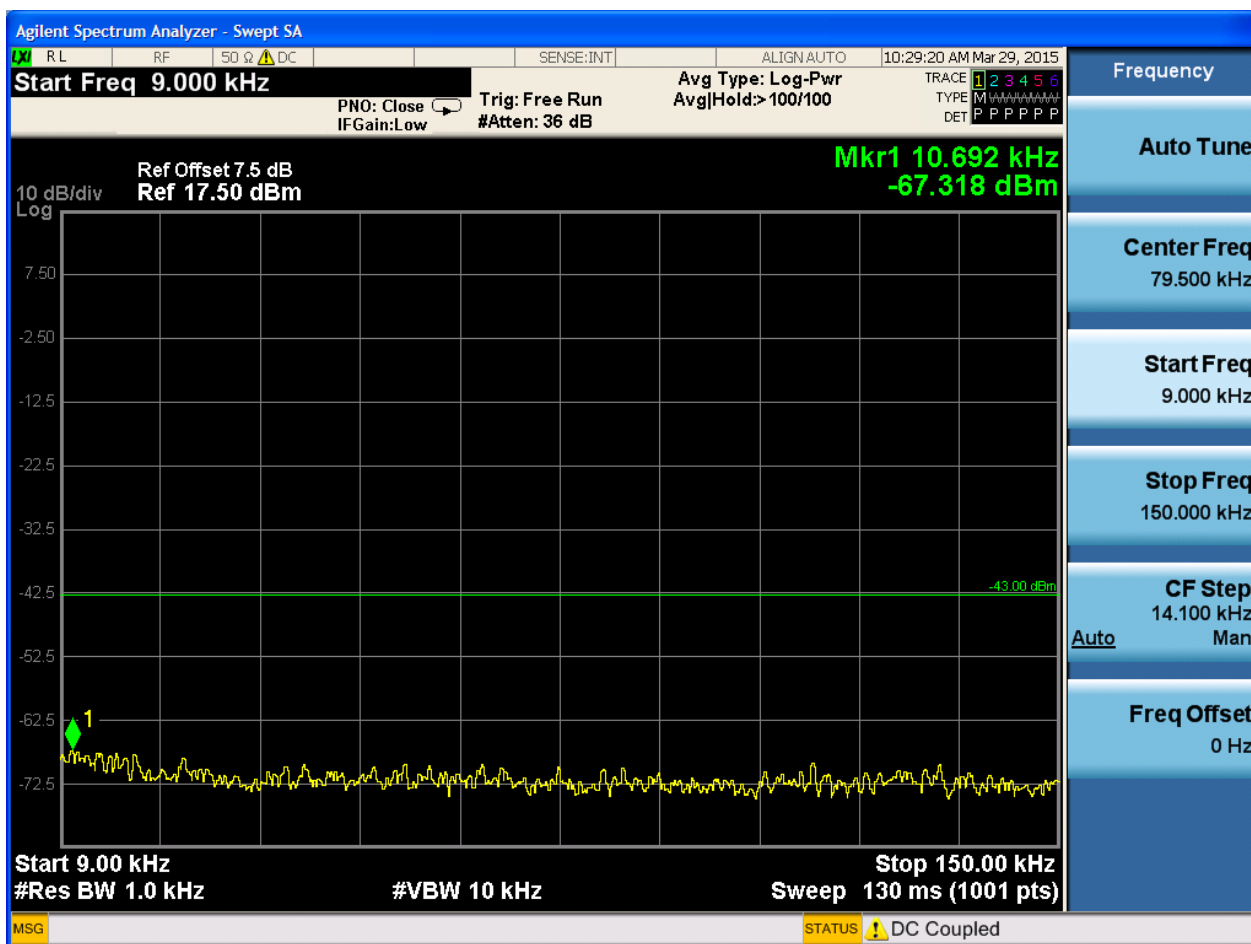


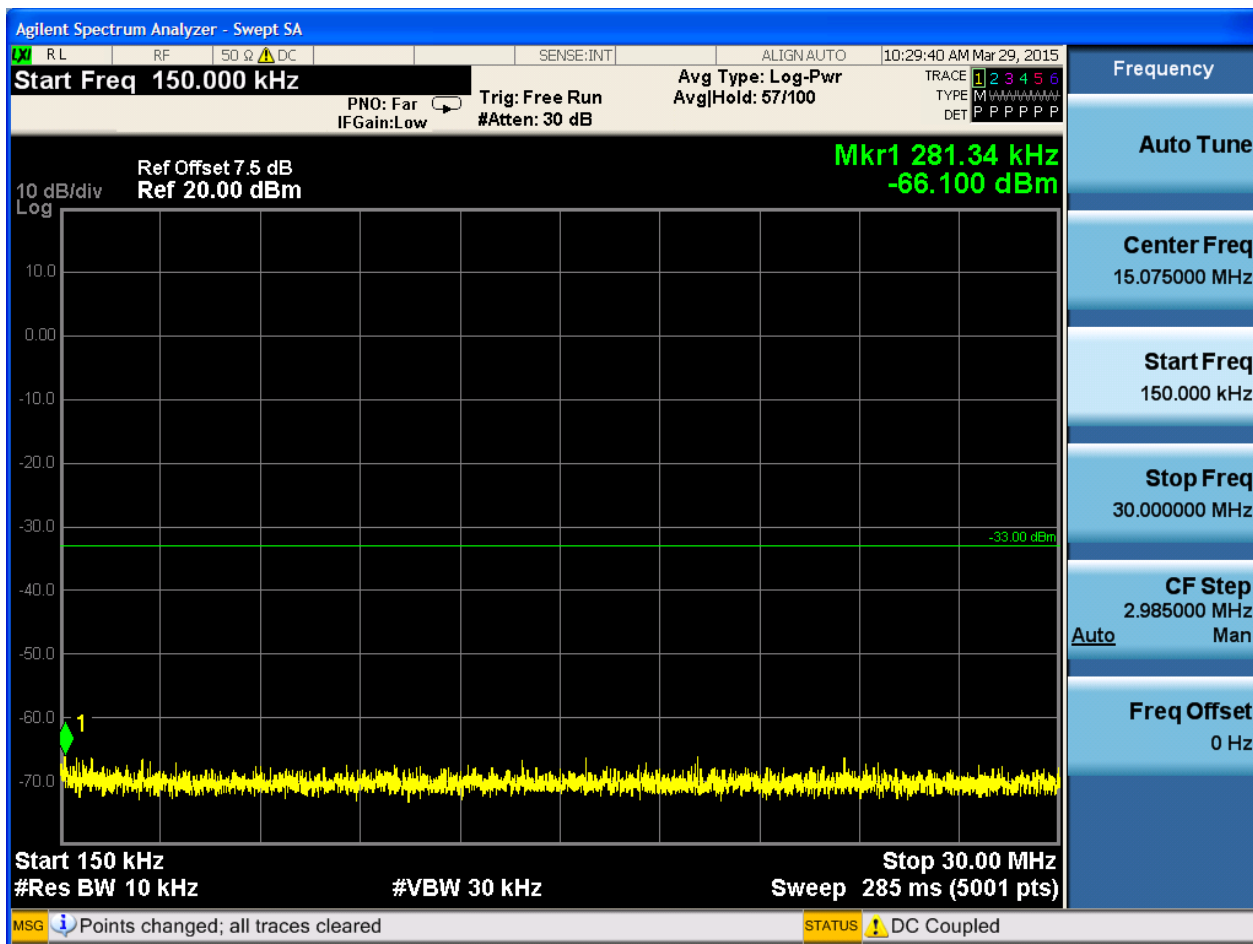


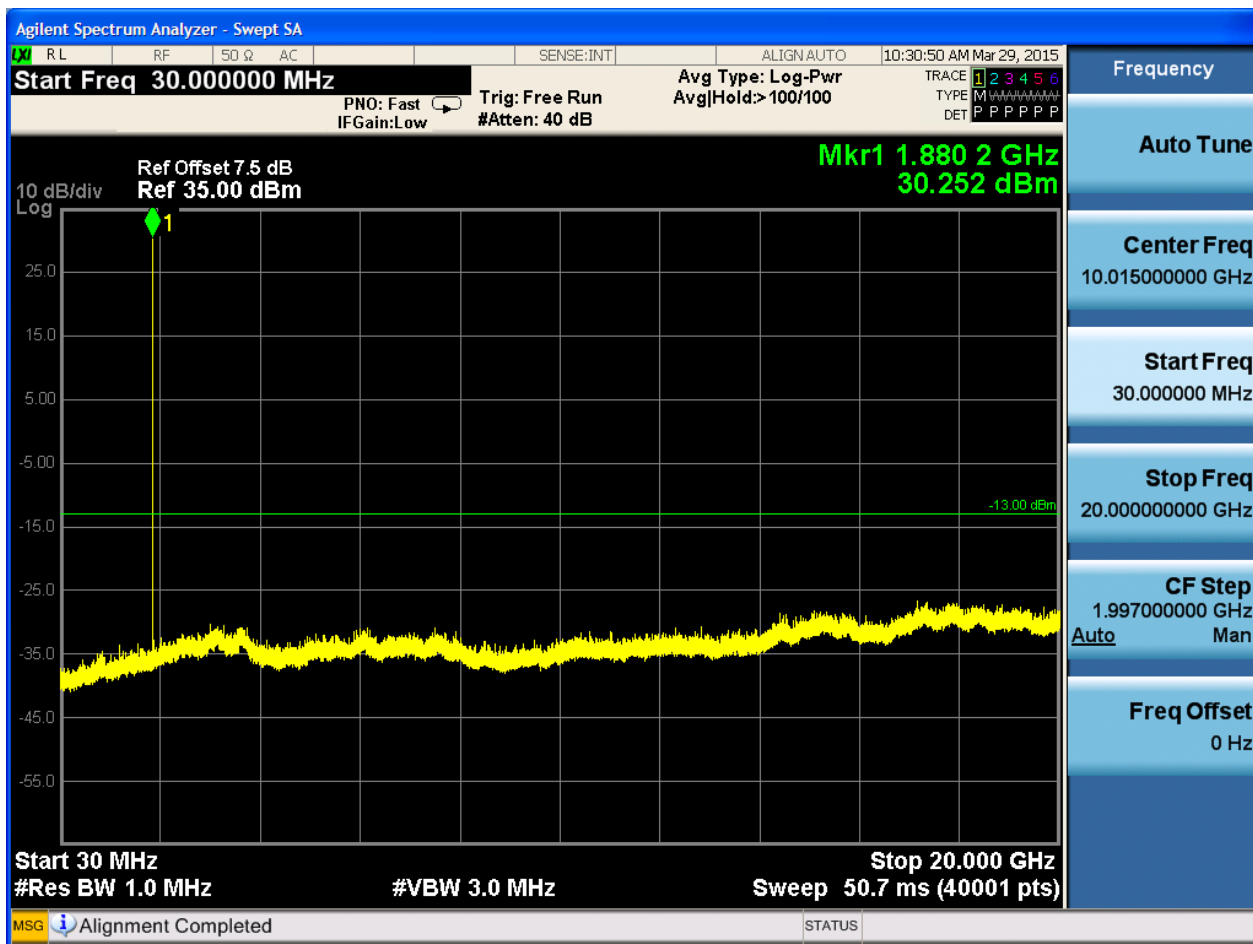




6.1.2.1.2 Test Channel = MCH

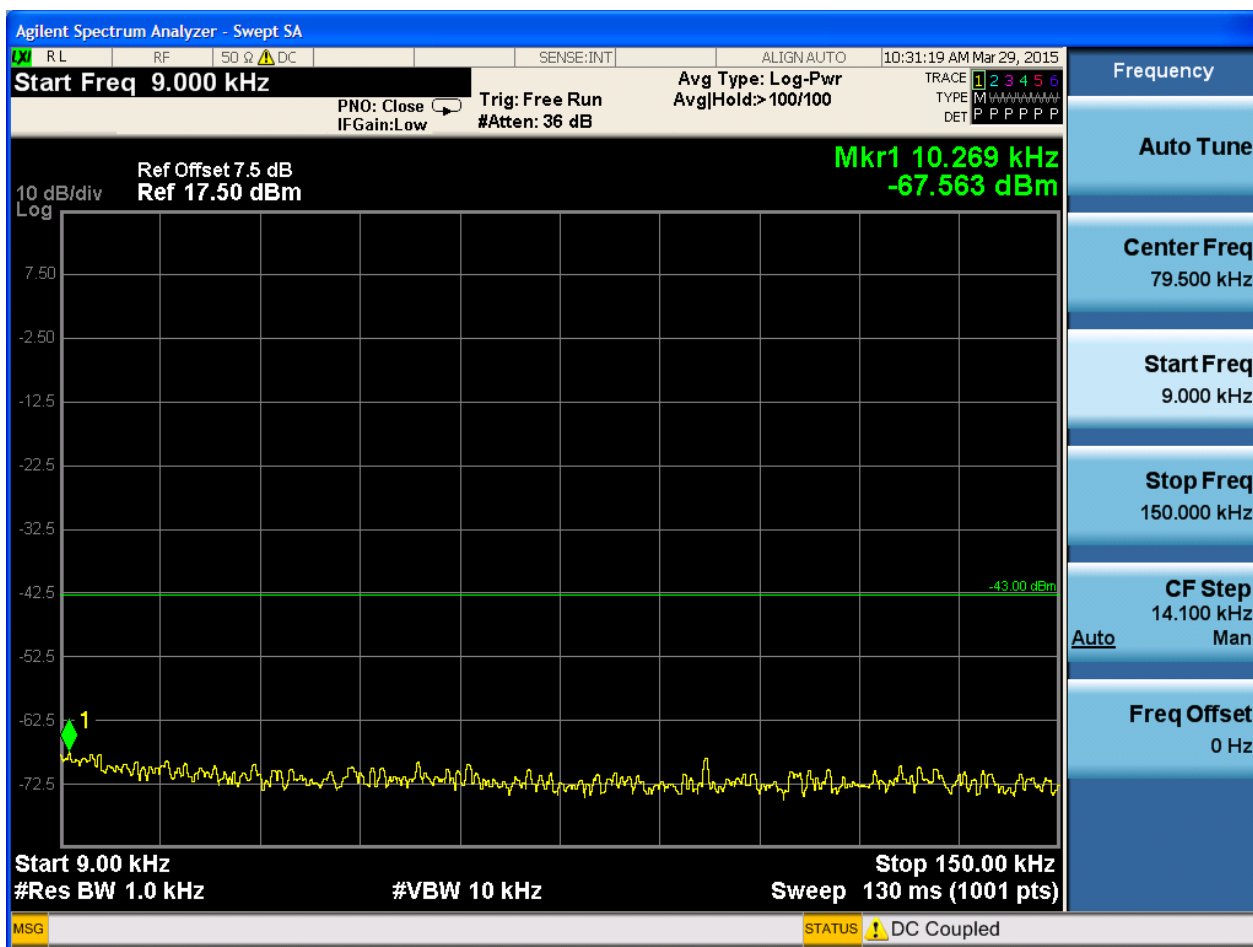


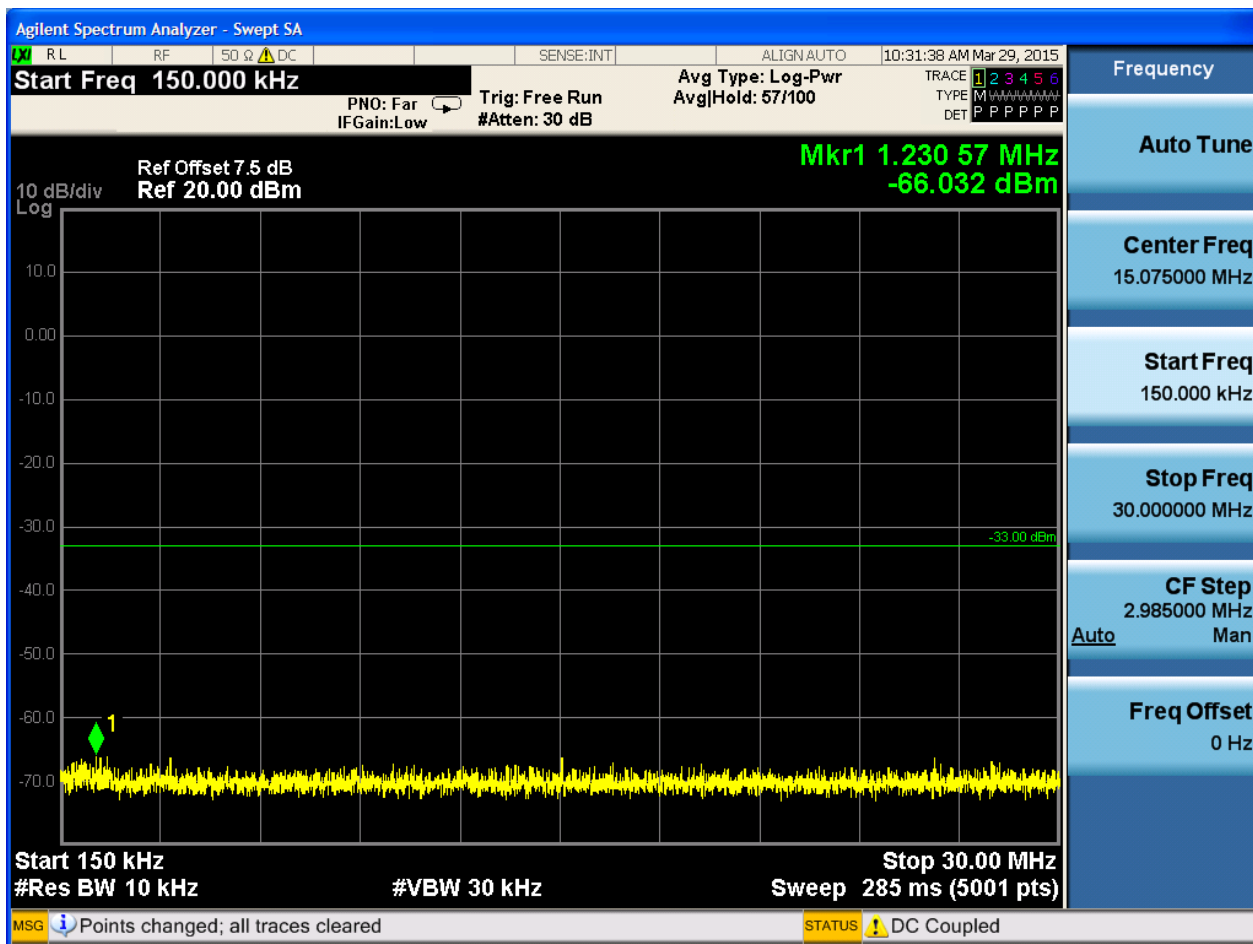


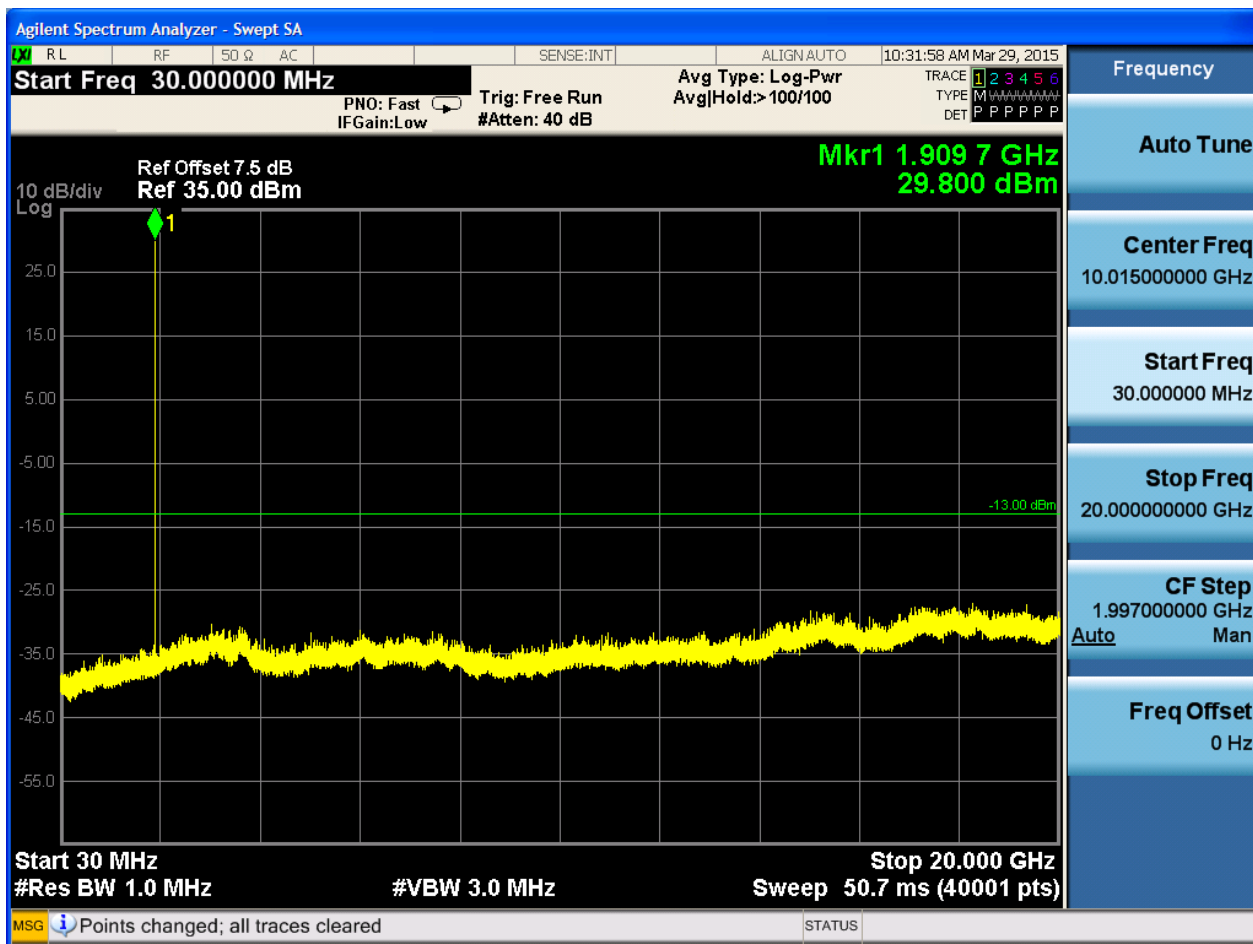




6.1.2.1.3 Test Channel = HCH



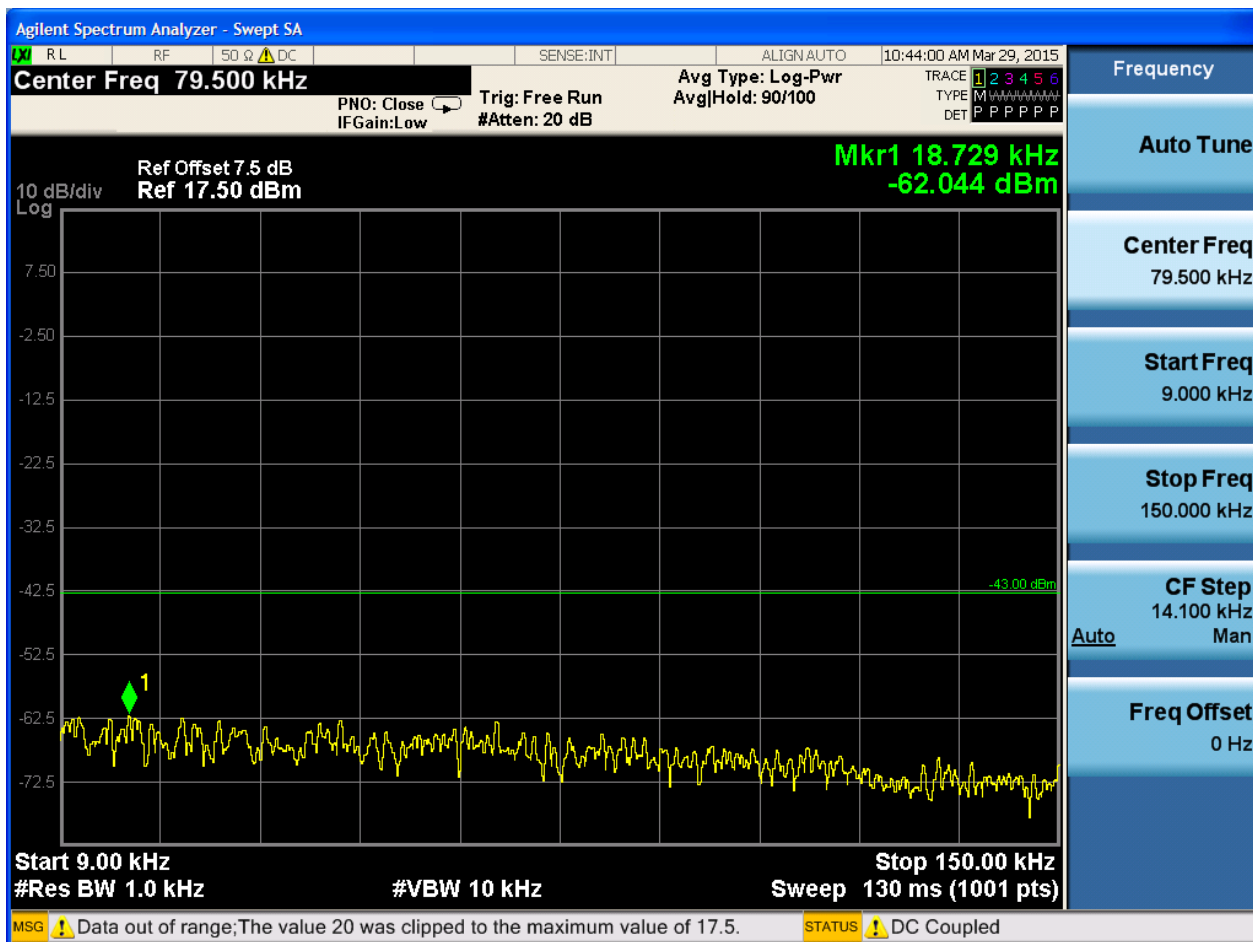


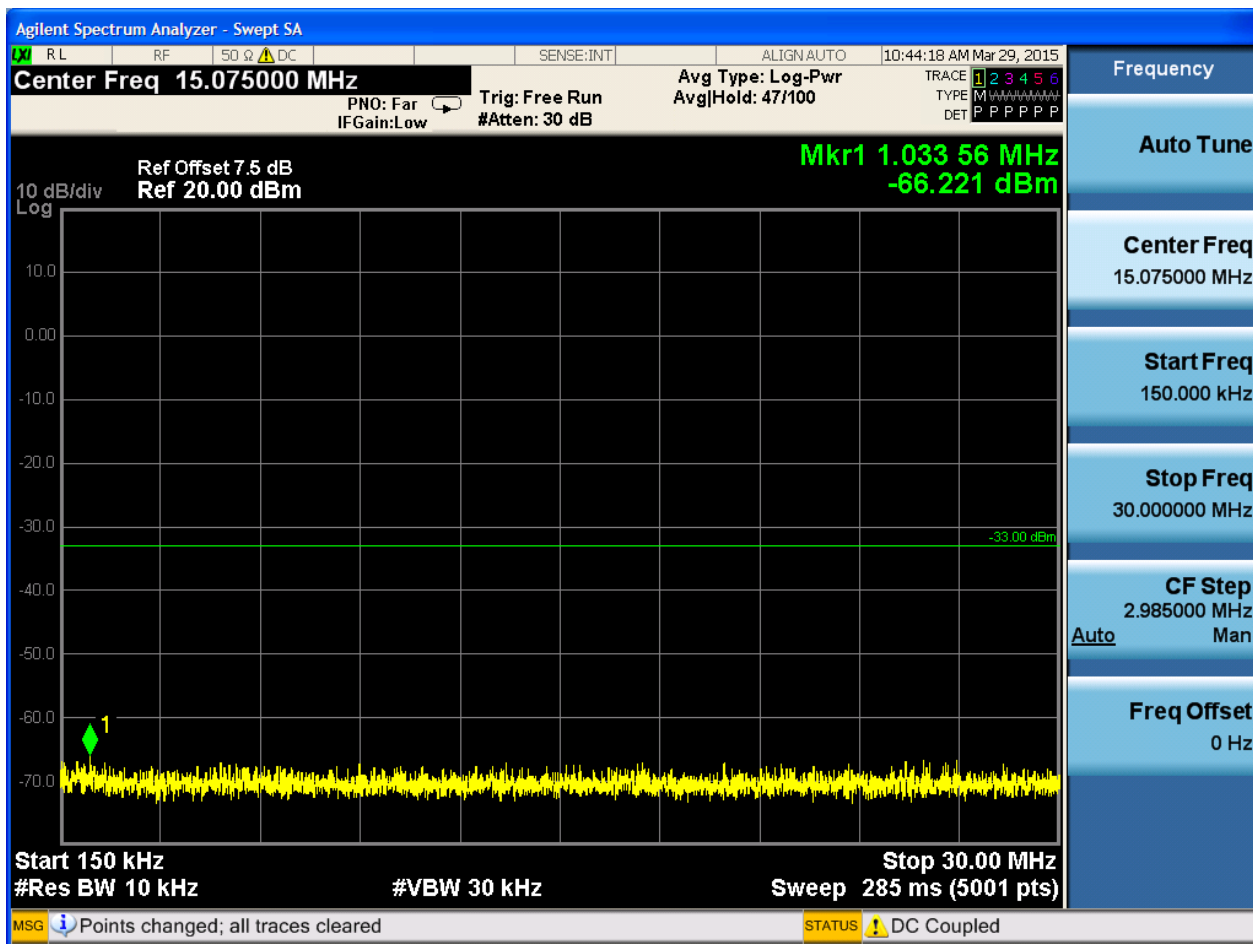


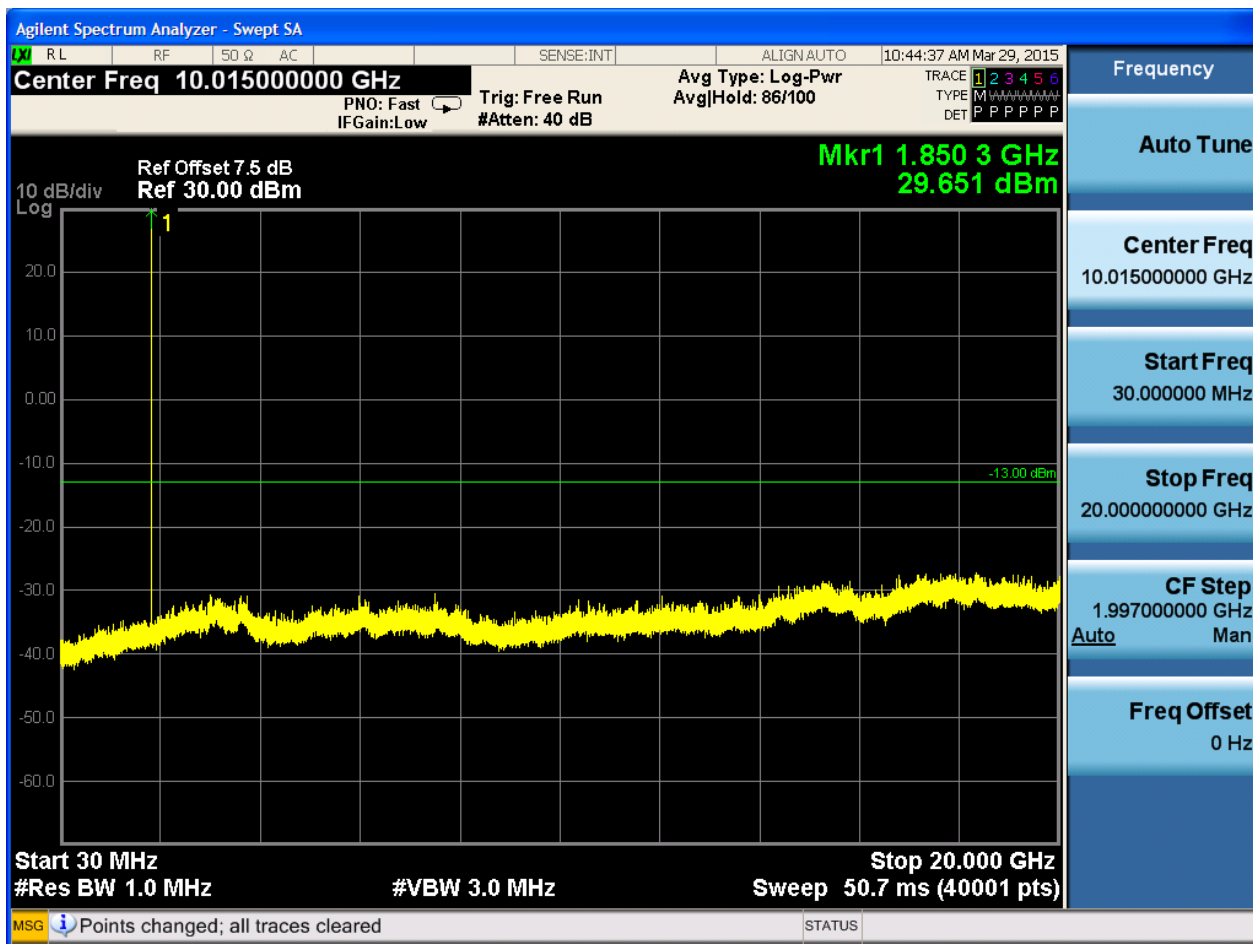


6.1.2.2 Test Mode = GSM/TM2

6.1.2.2.1 Test Channel = LCH

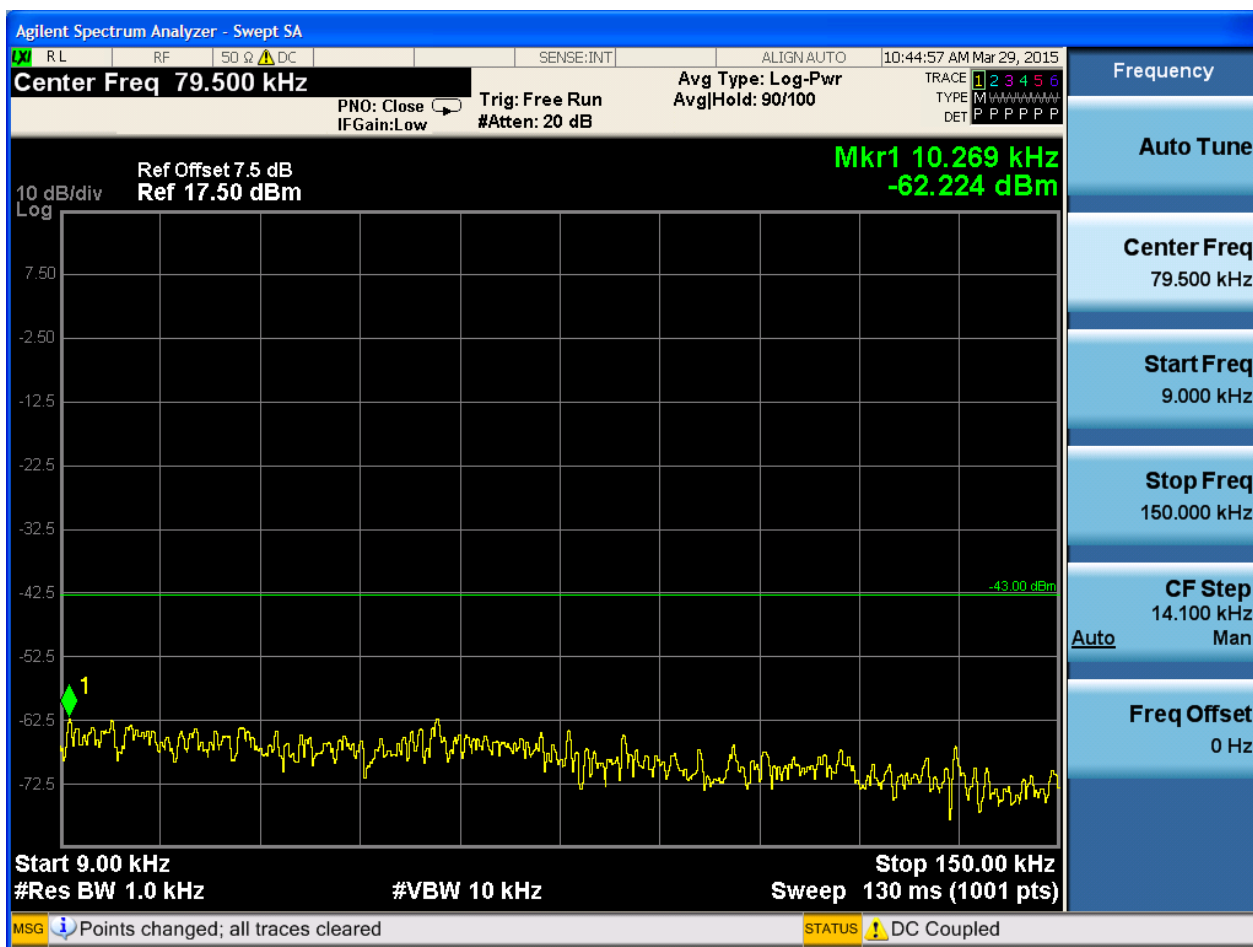


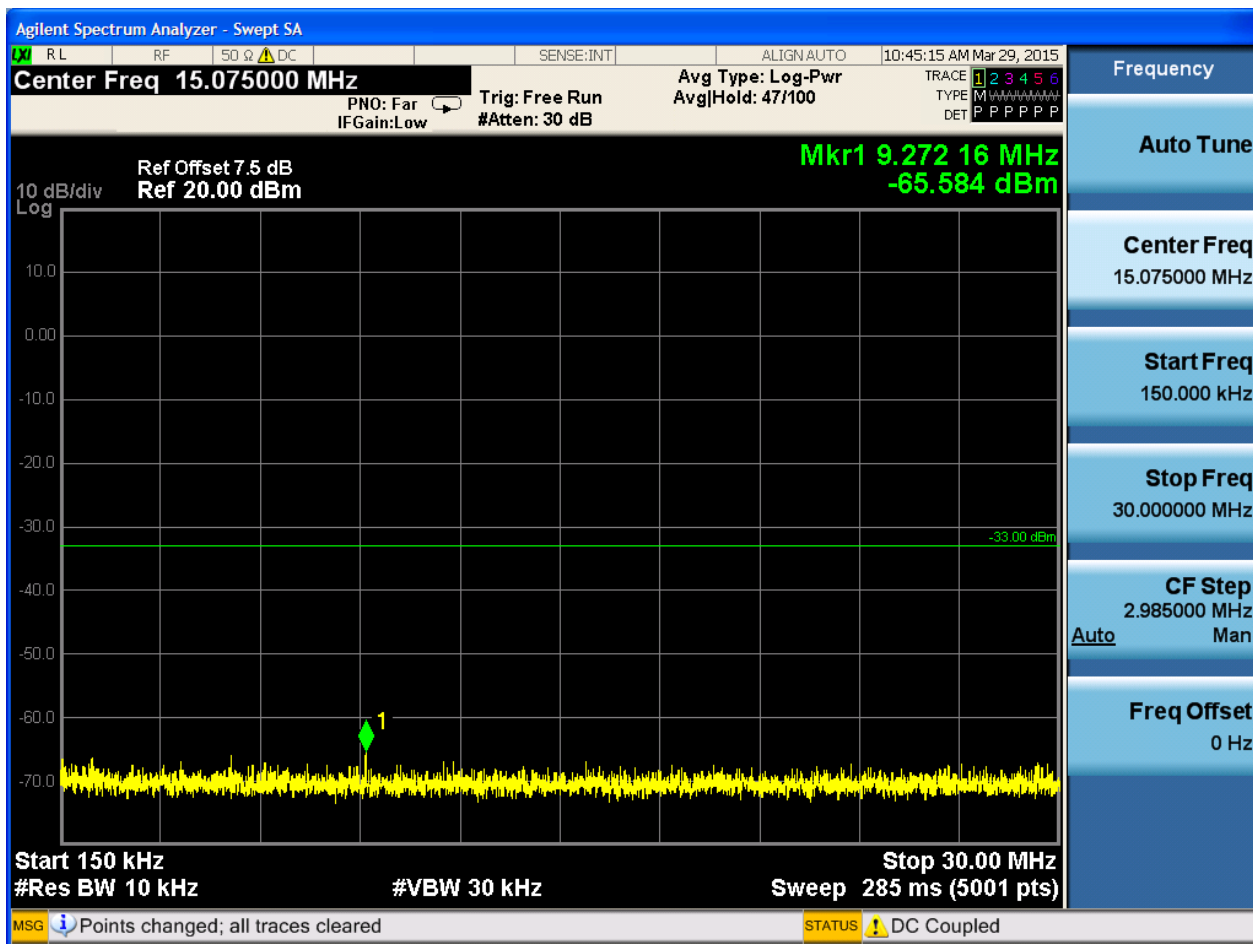


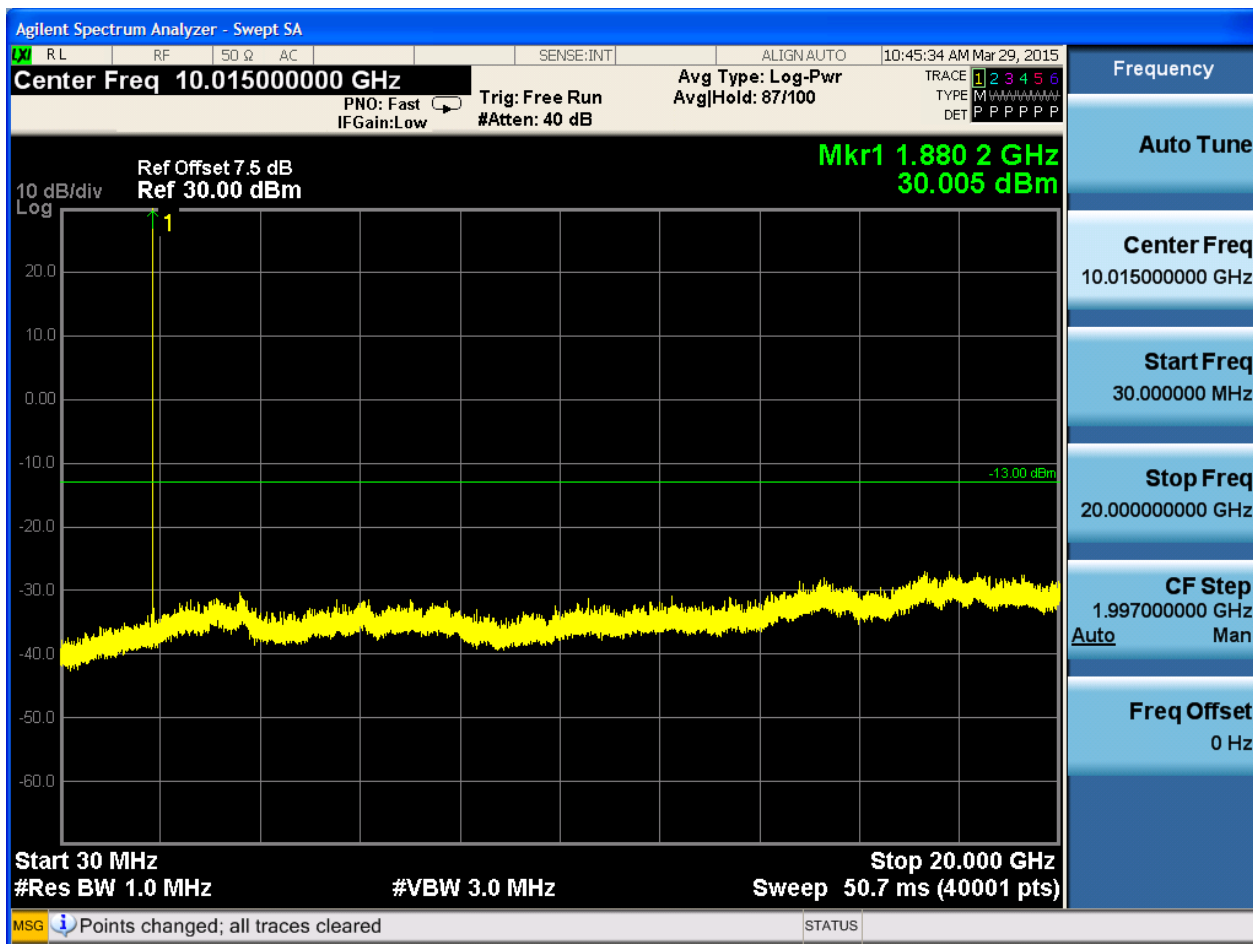




6.1.2.2.2 Test Channel = MCH

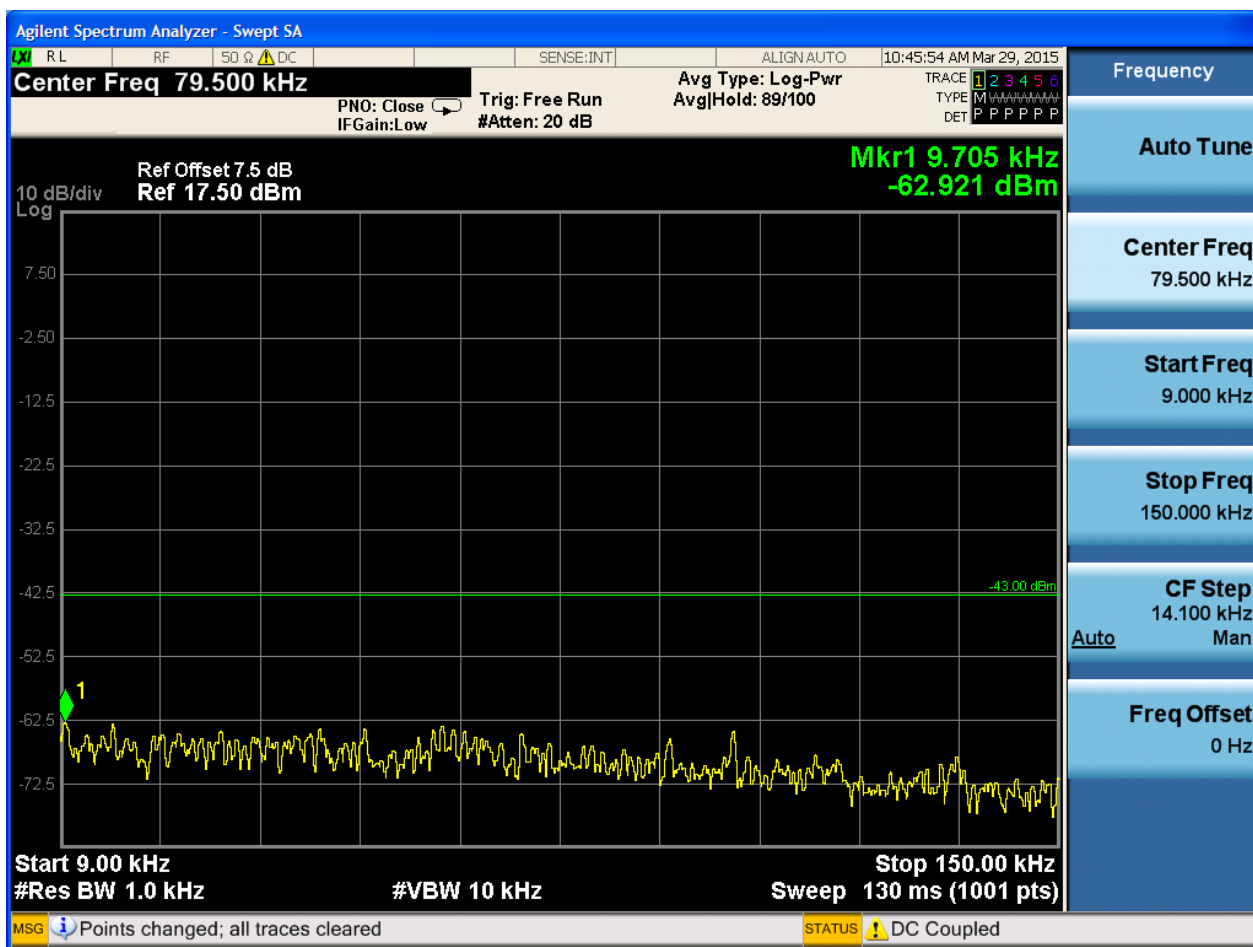


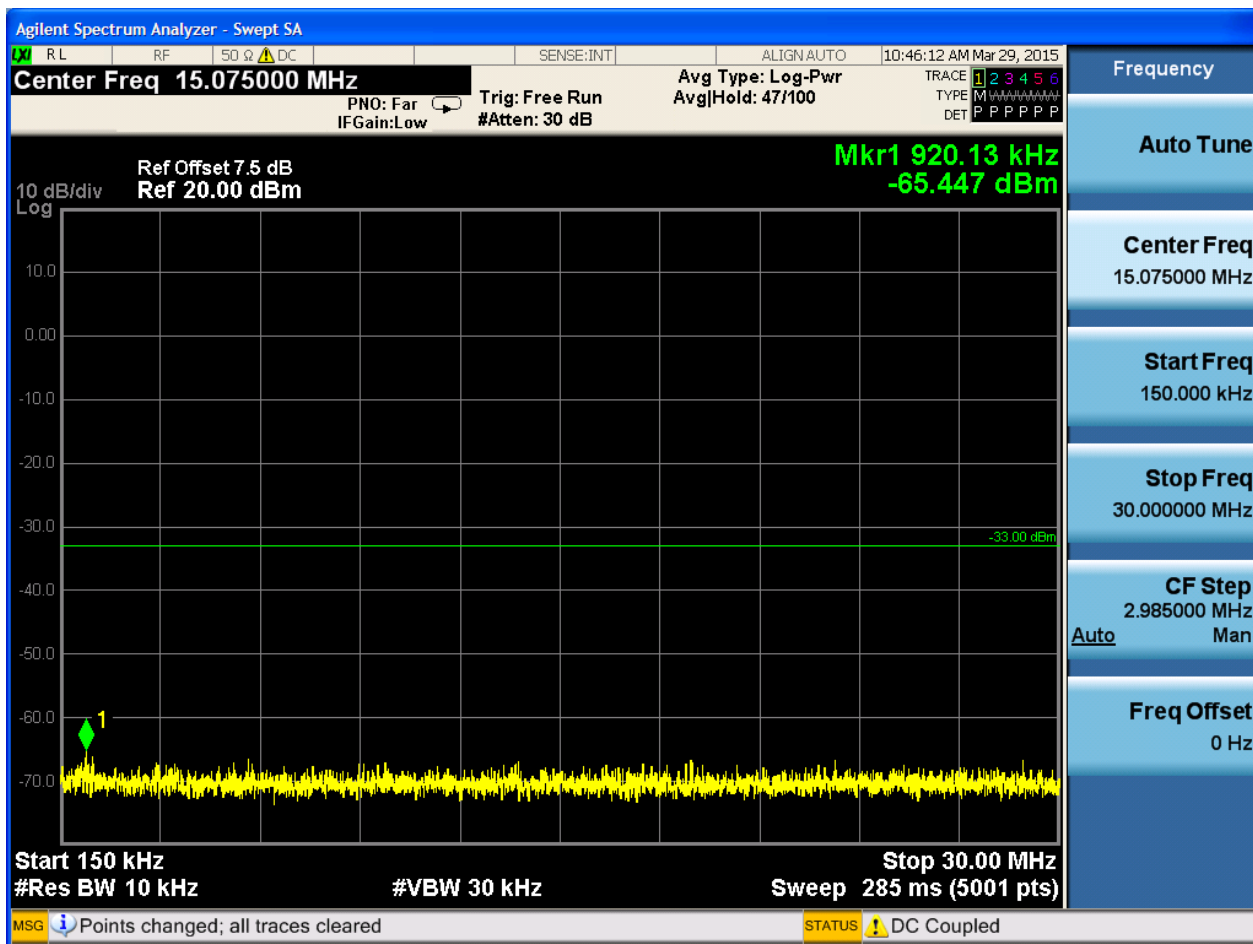


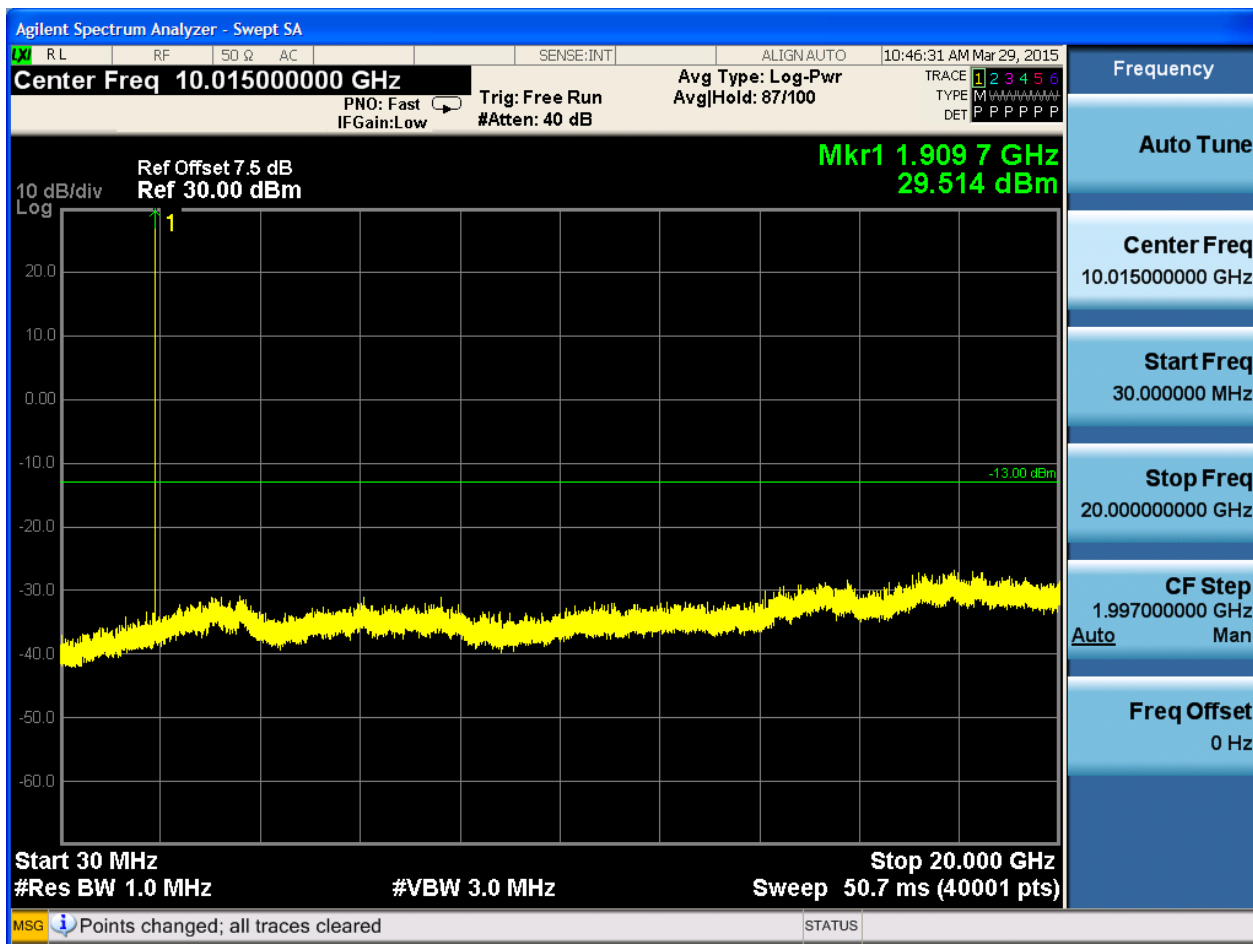




6.1.2.2.3 Test Channel = HCH







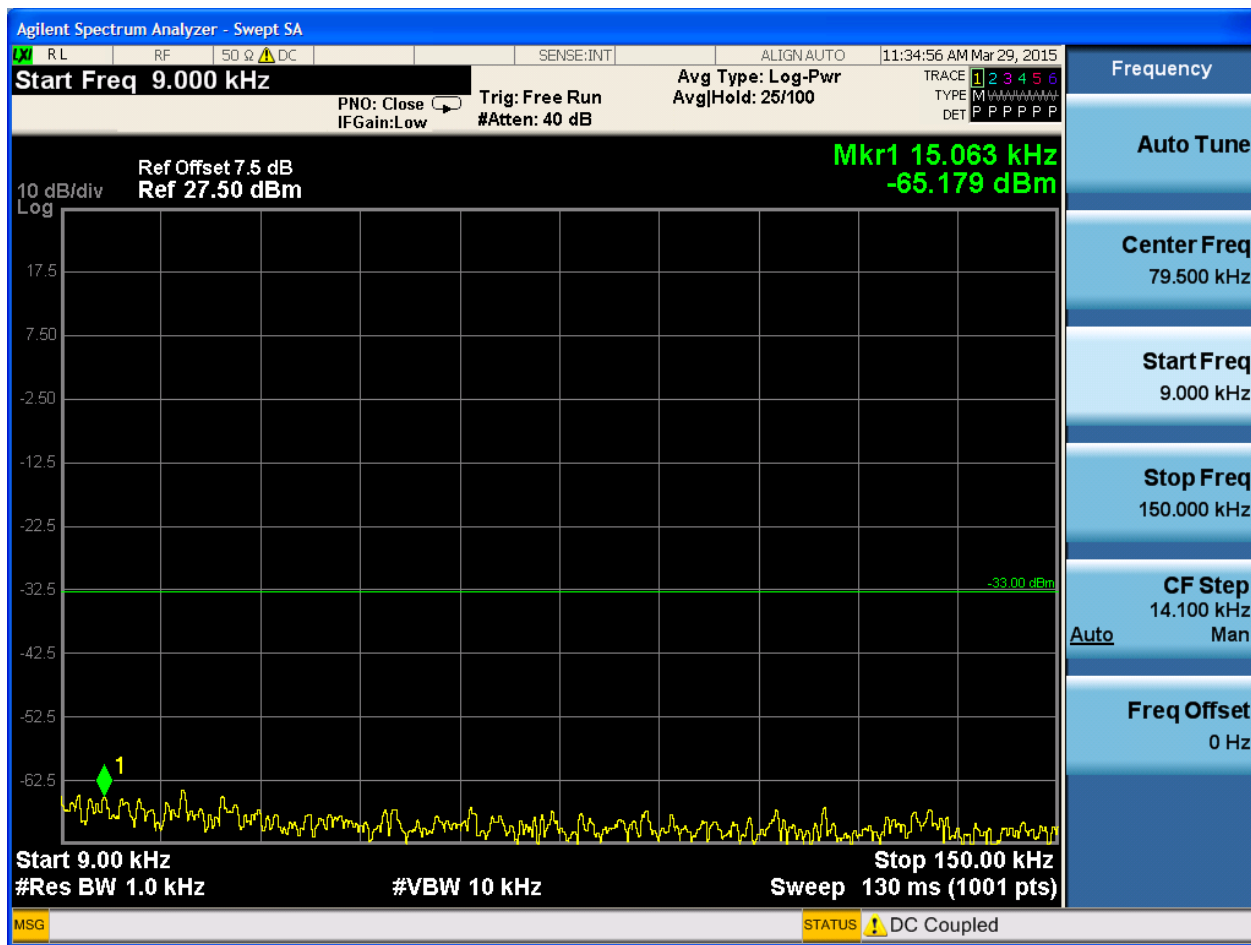


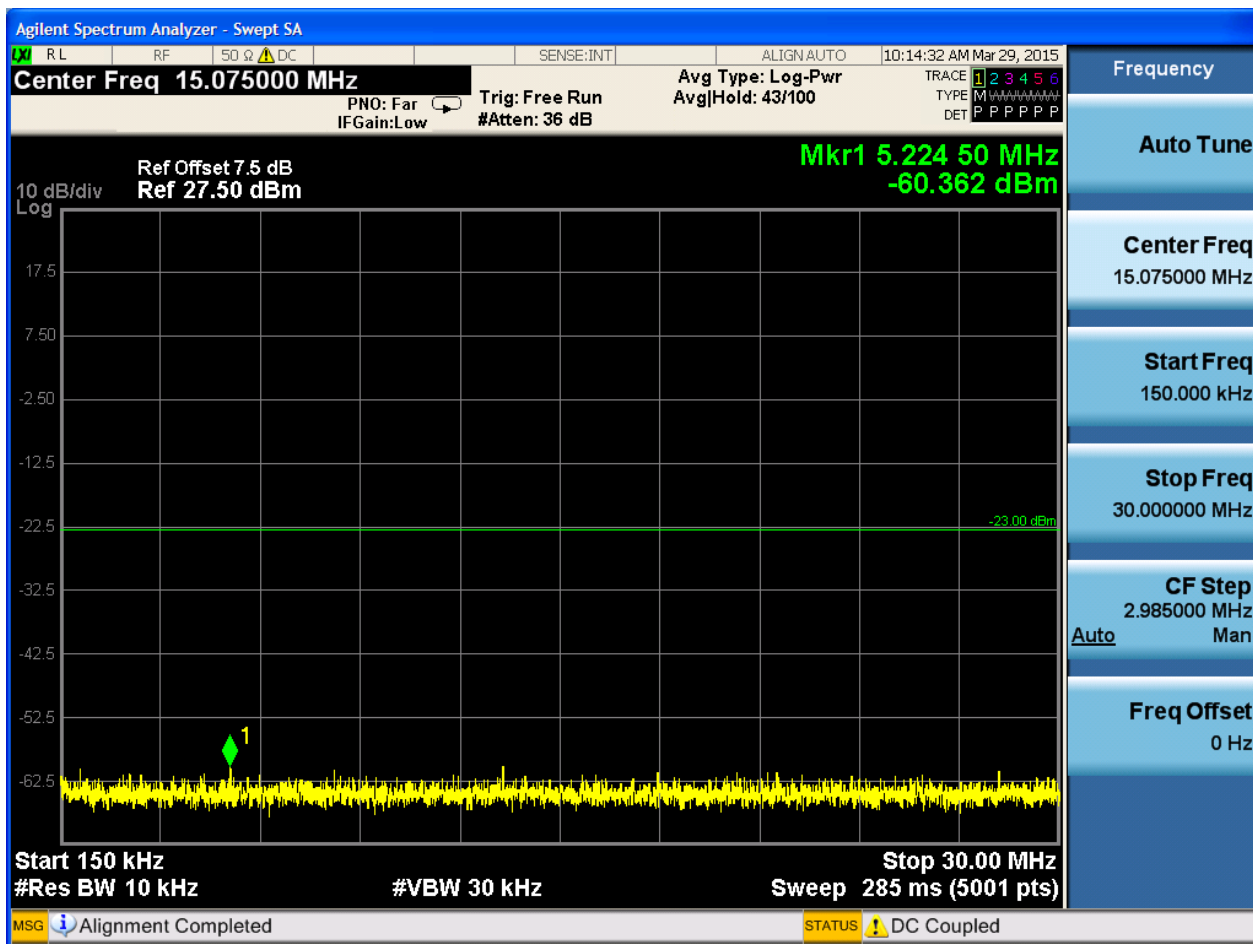
6.2 For UMTS

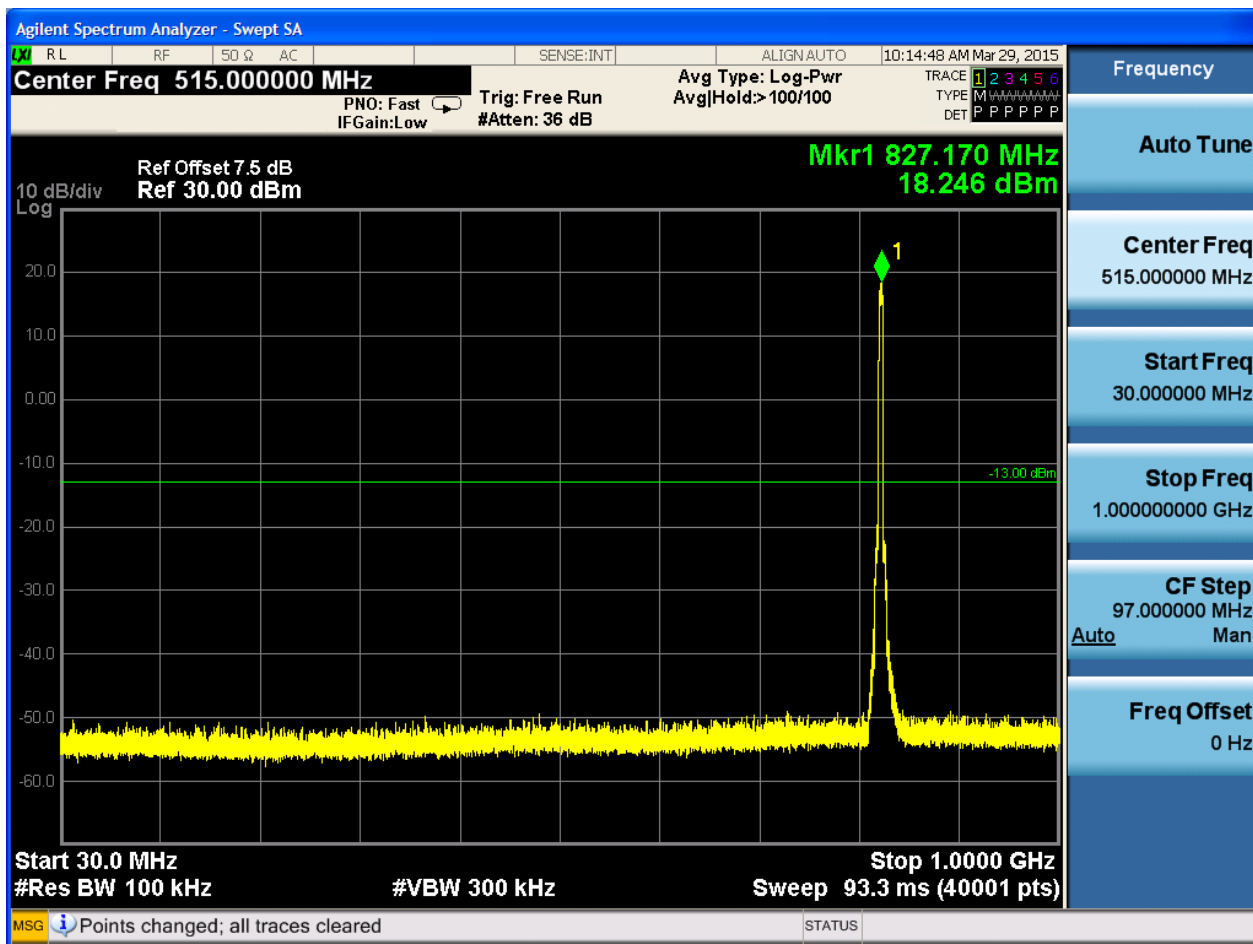
6.2.1 Test Band = WCDMA850

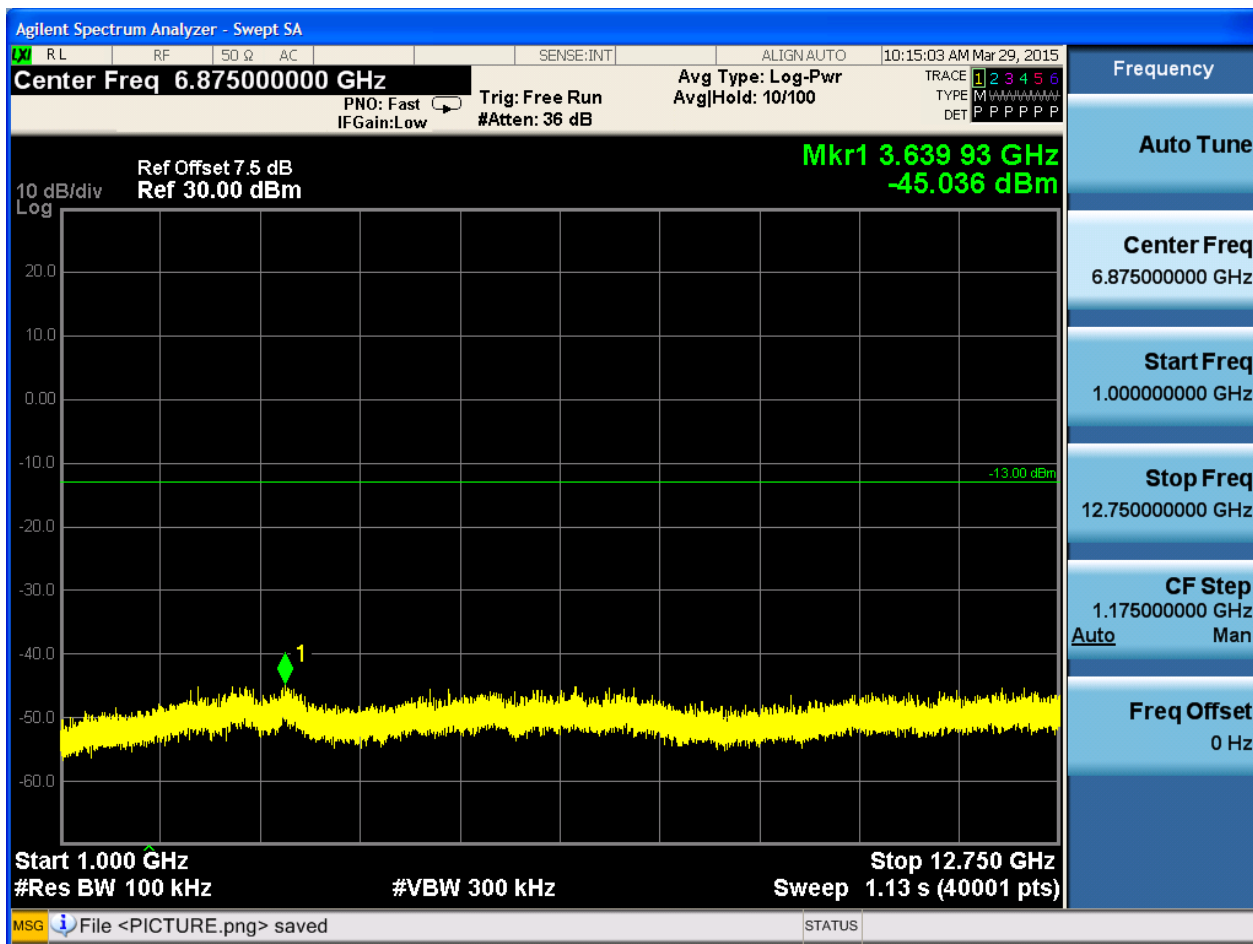
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH



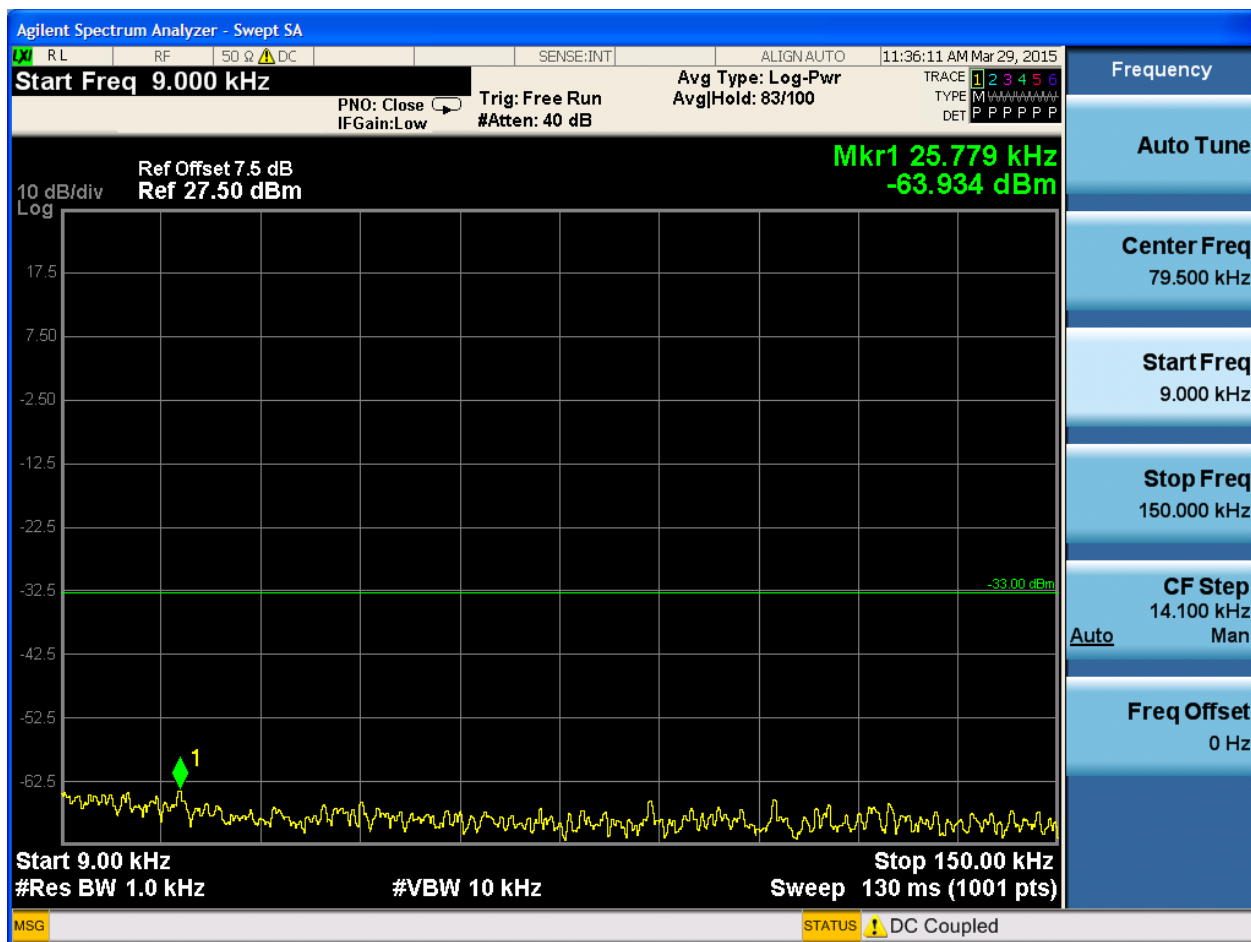


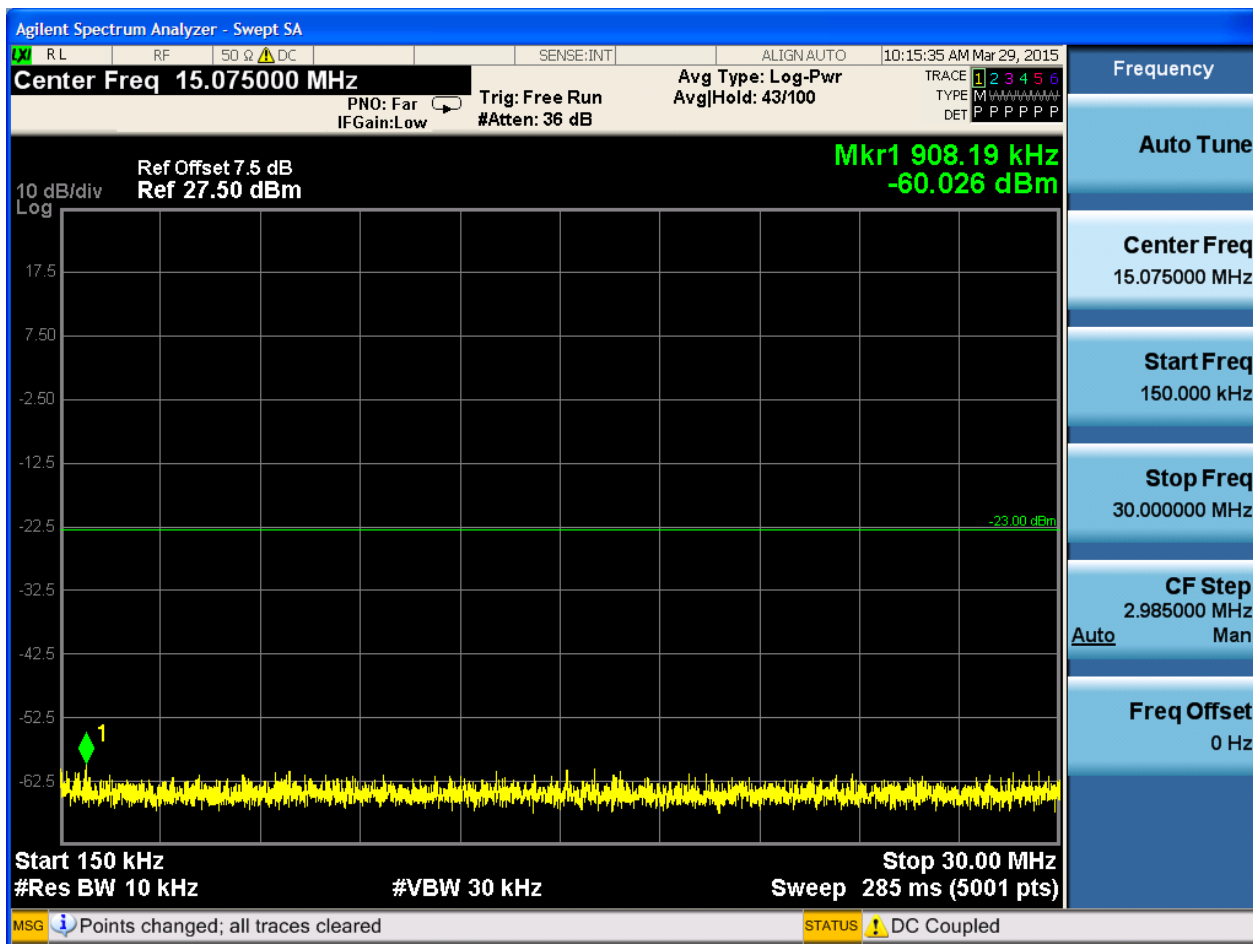


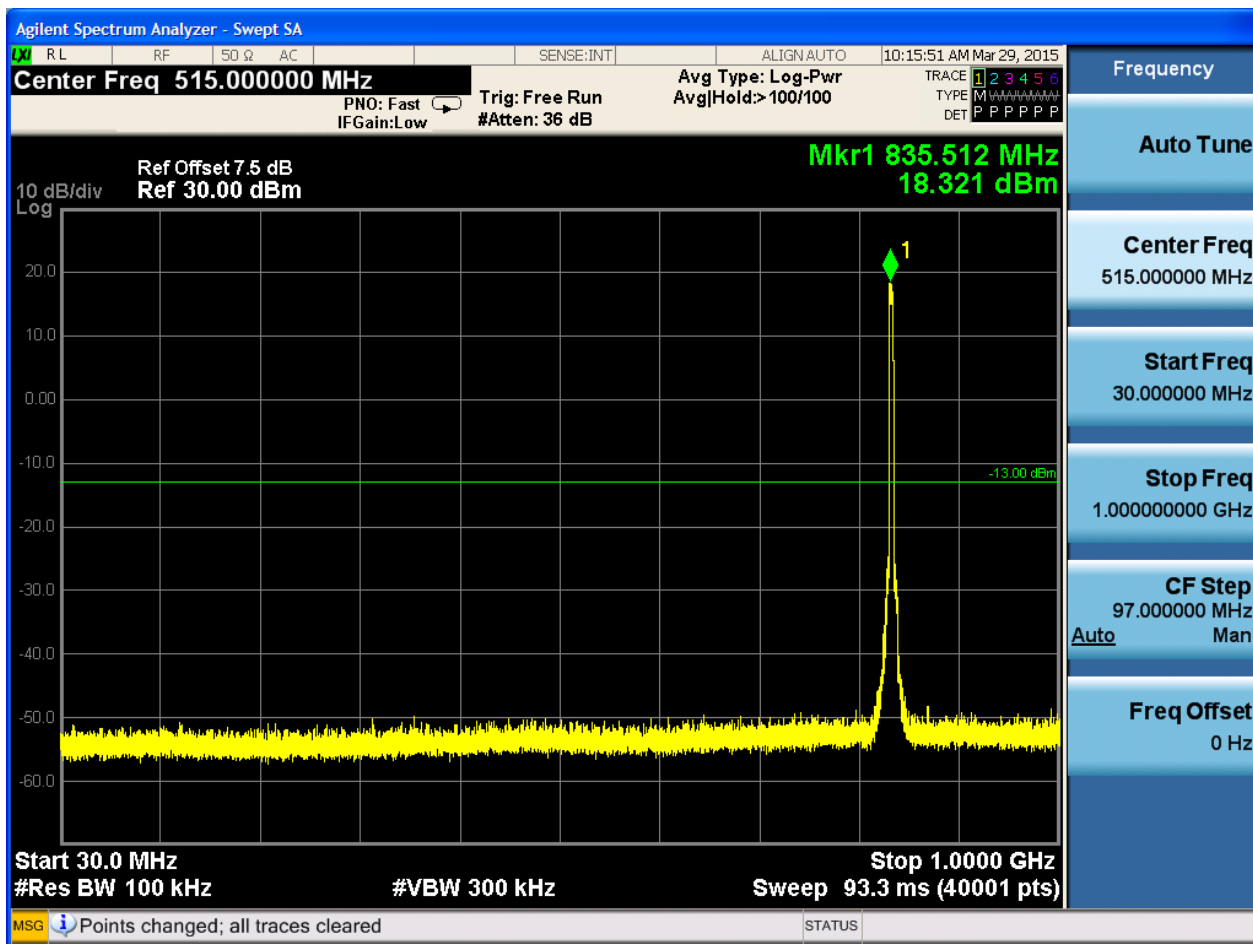


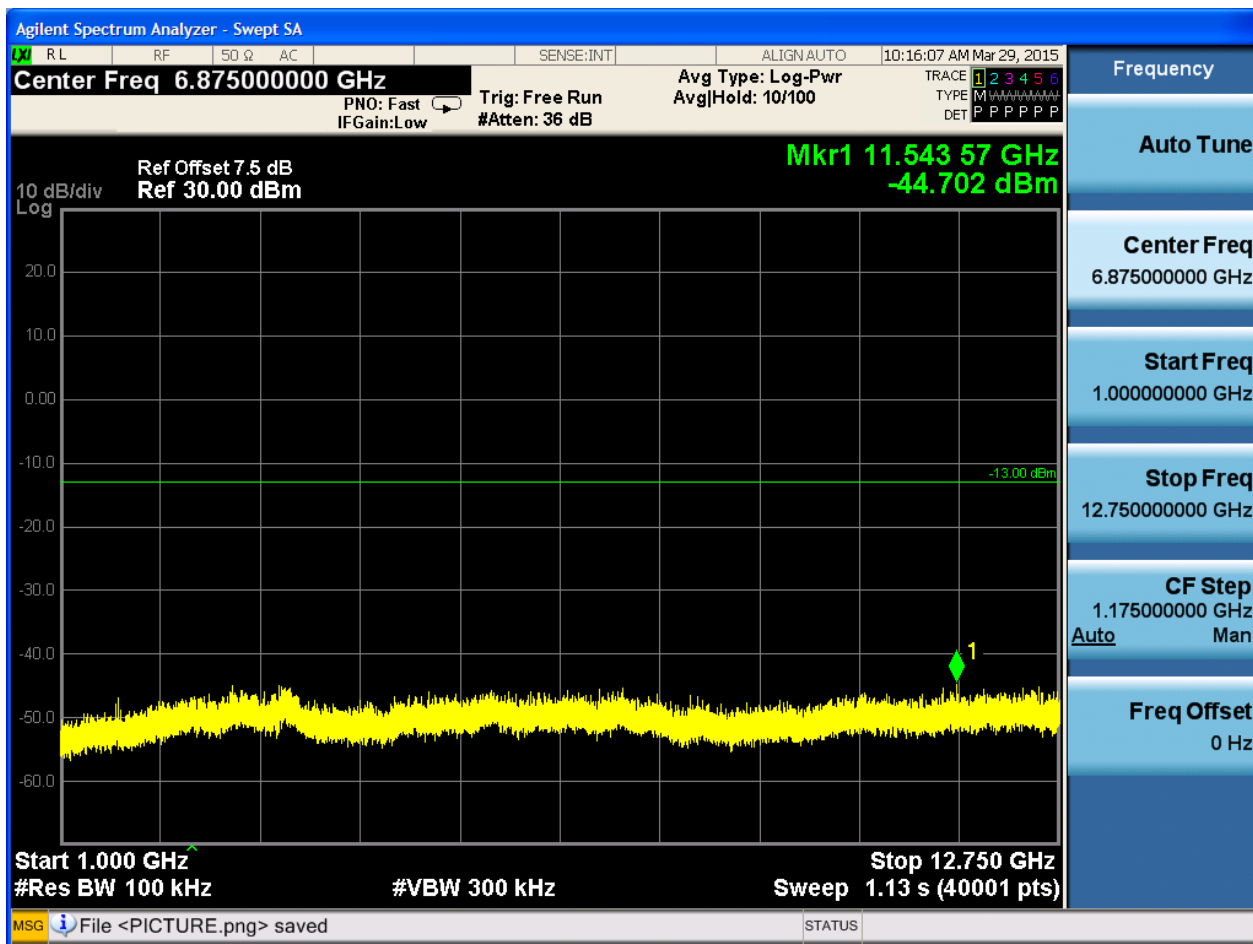


6.2.1.1.2 Test Channel = MCH



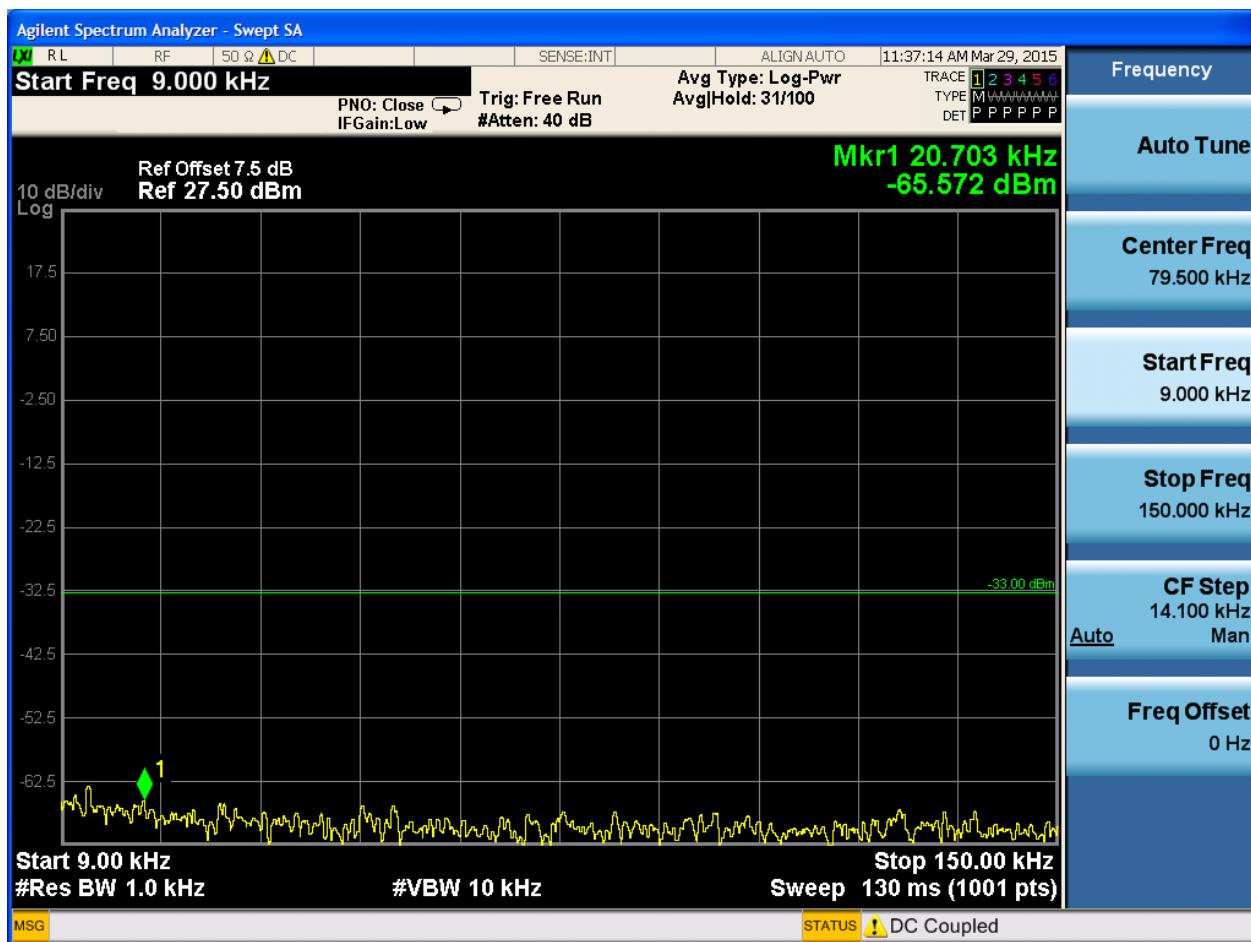


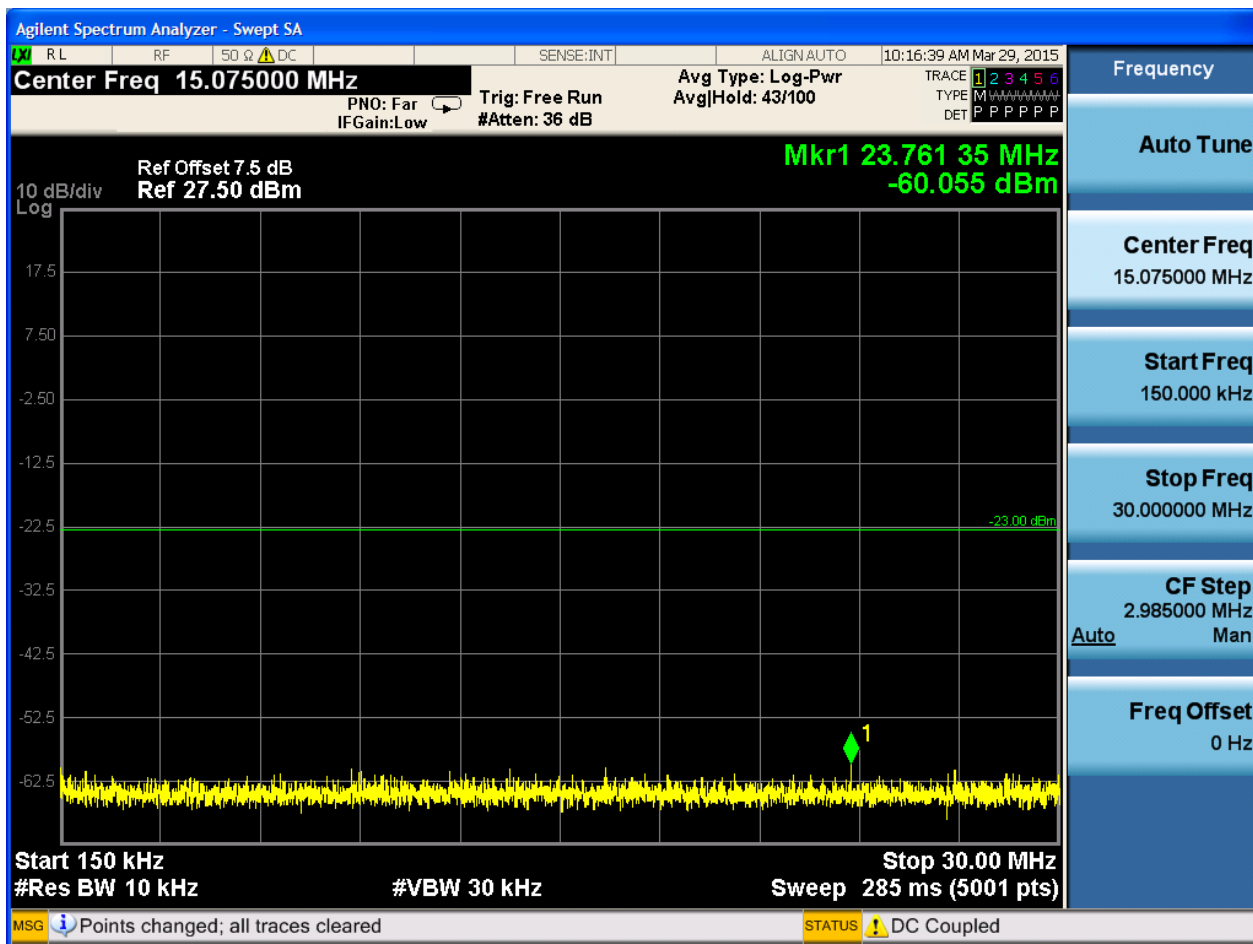


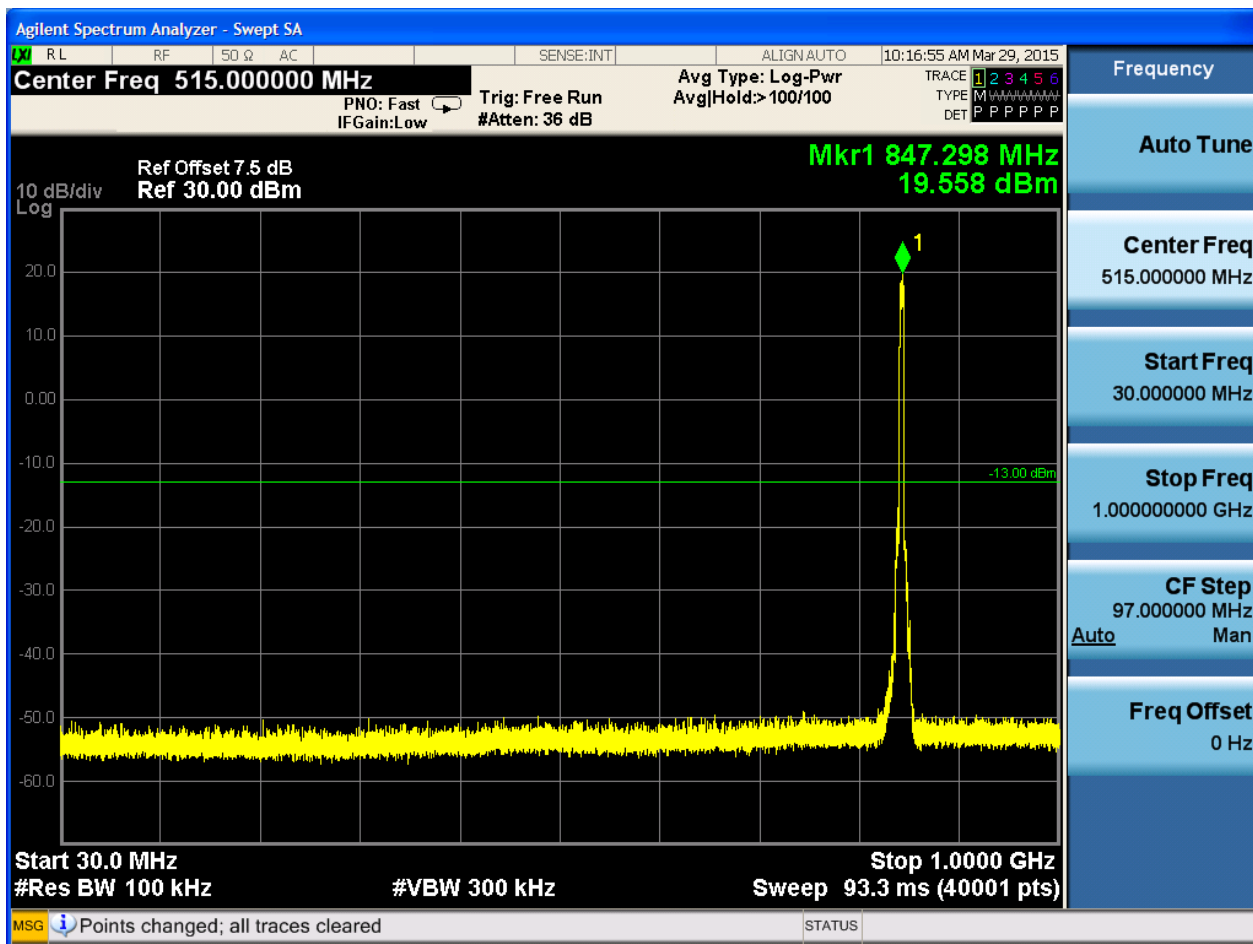


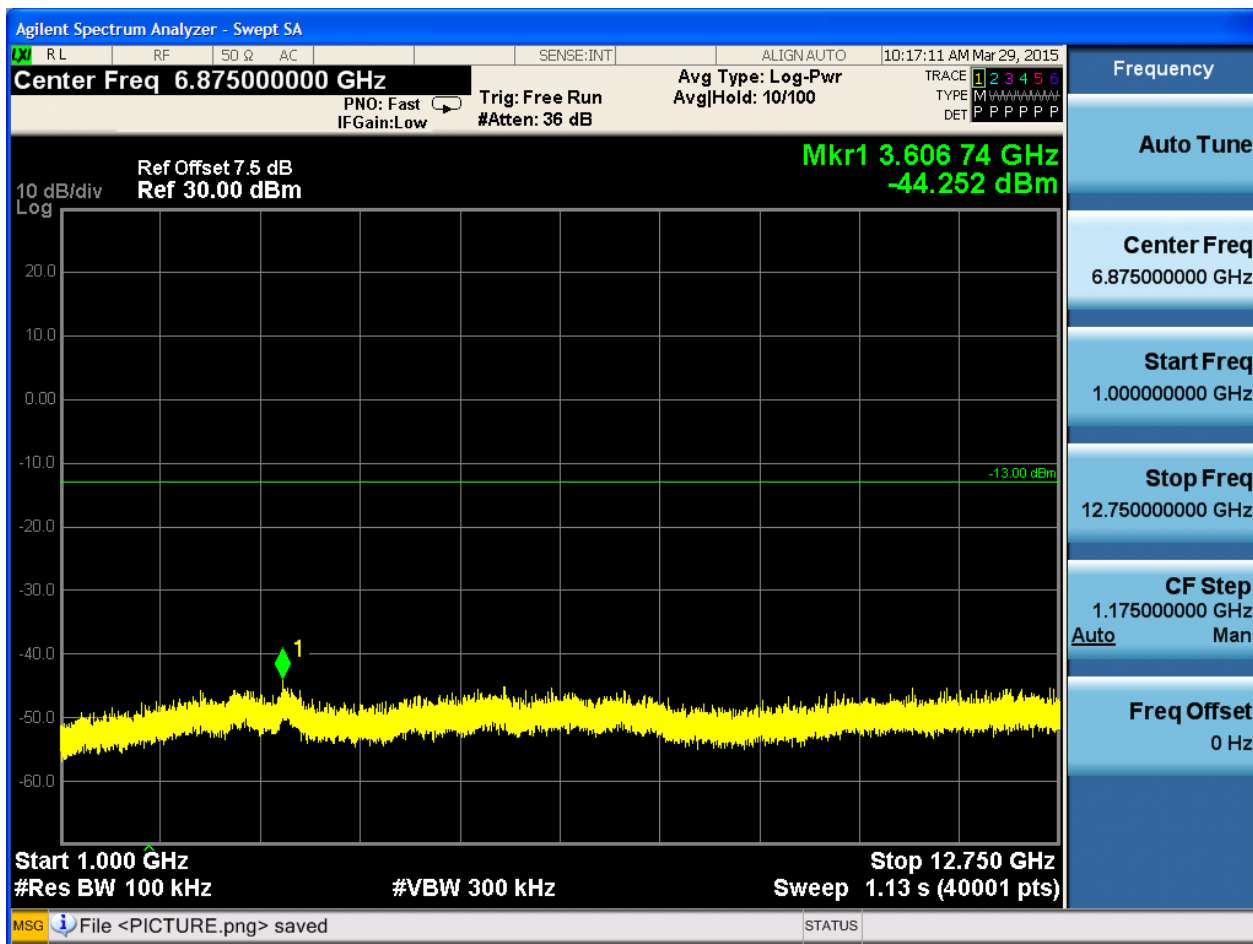


6.2.1.1.3 Test Channel = HCH







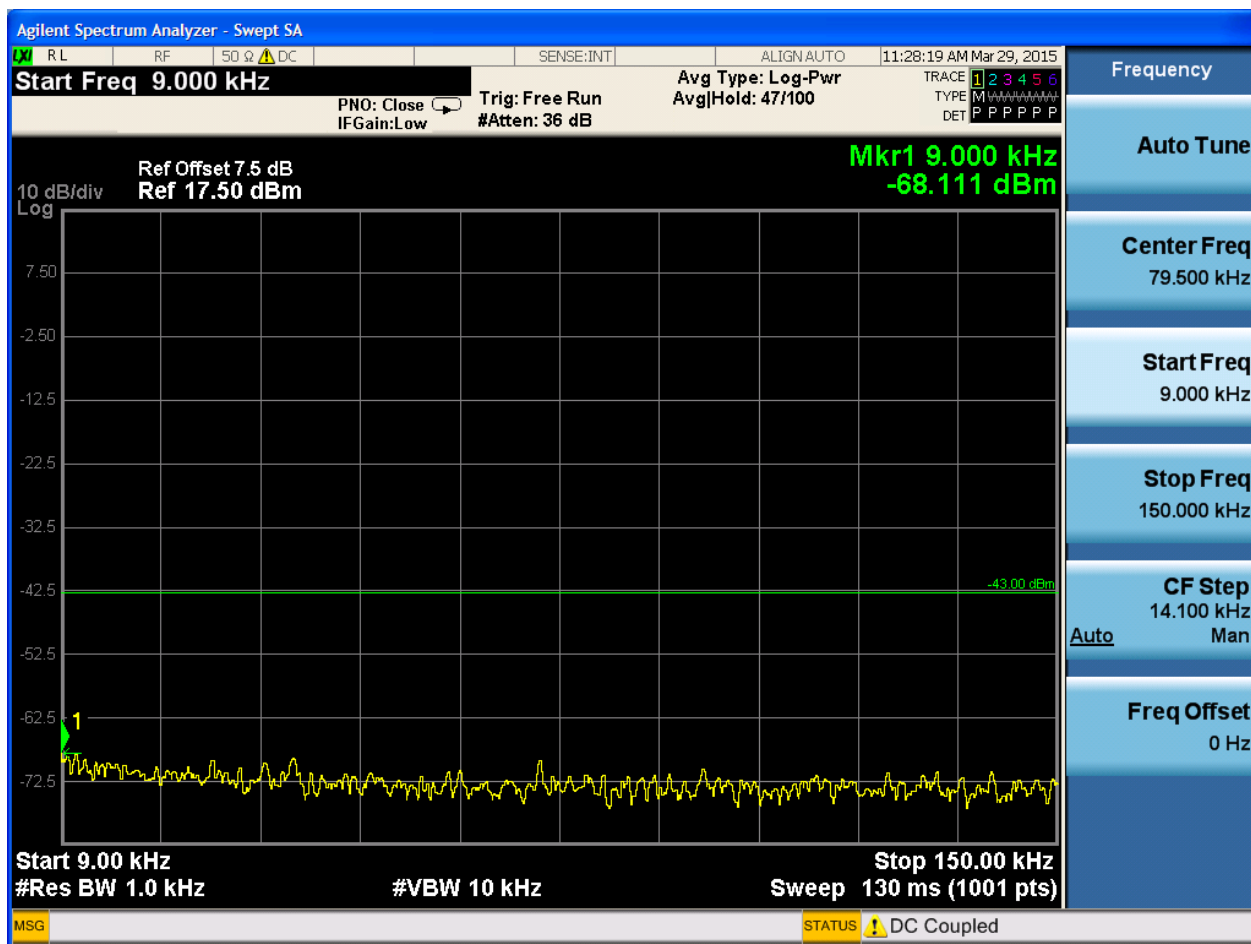


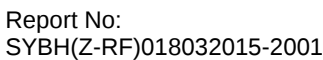


6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

6.2.2.1.1 Test Channel = LCH

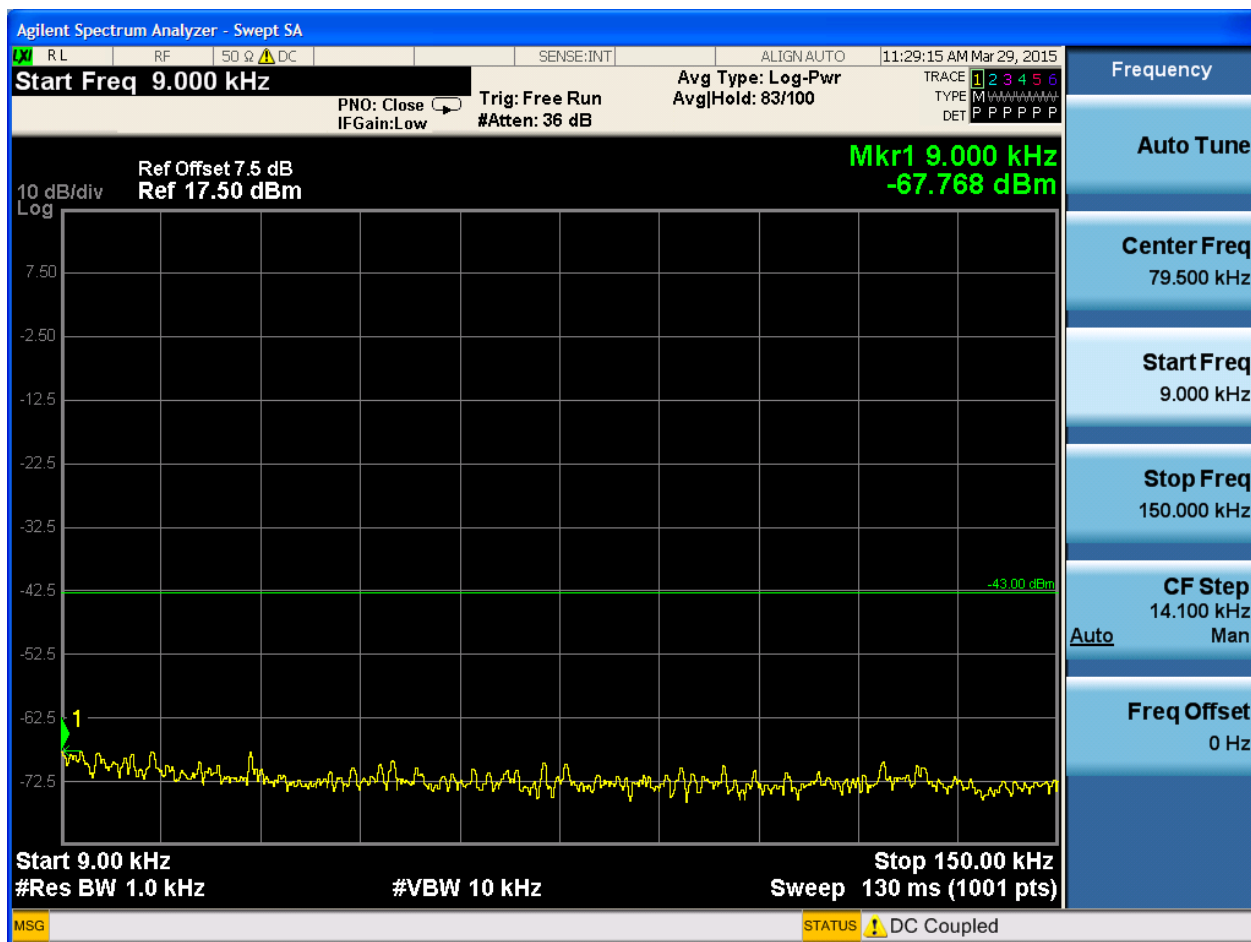


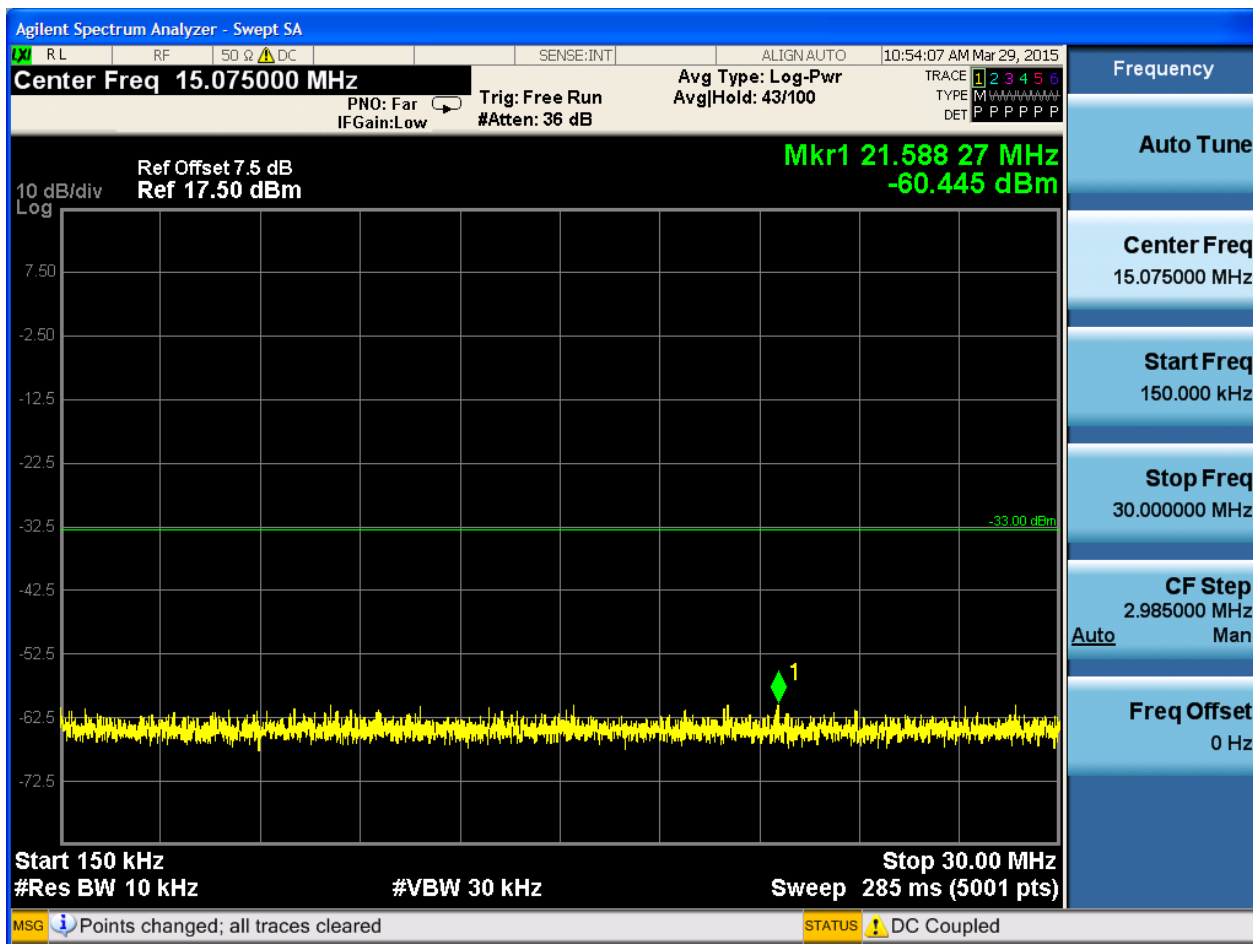


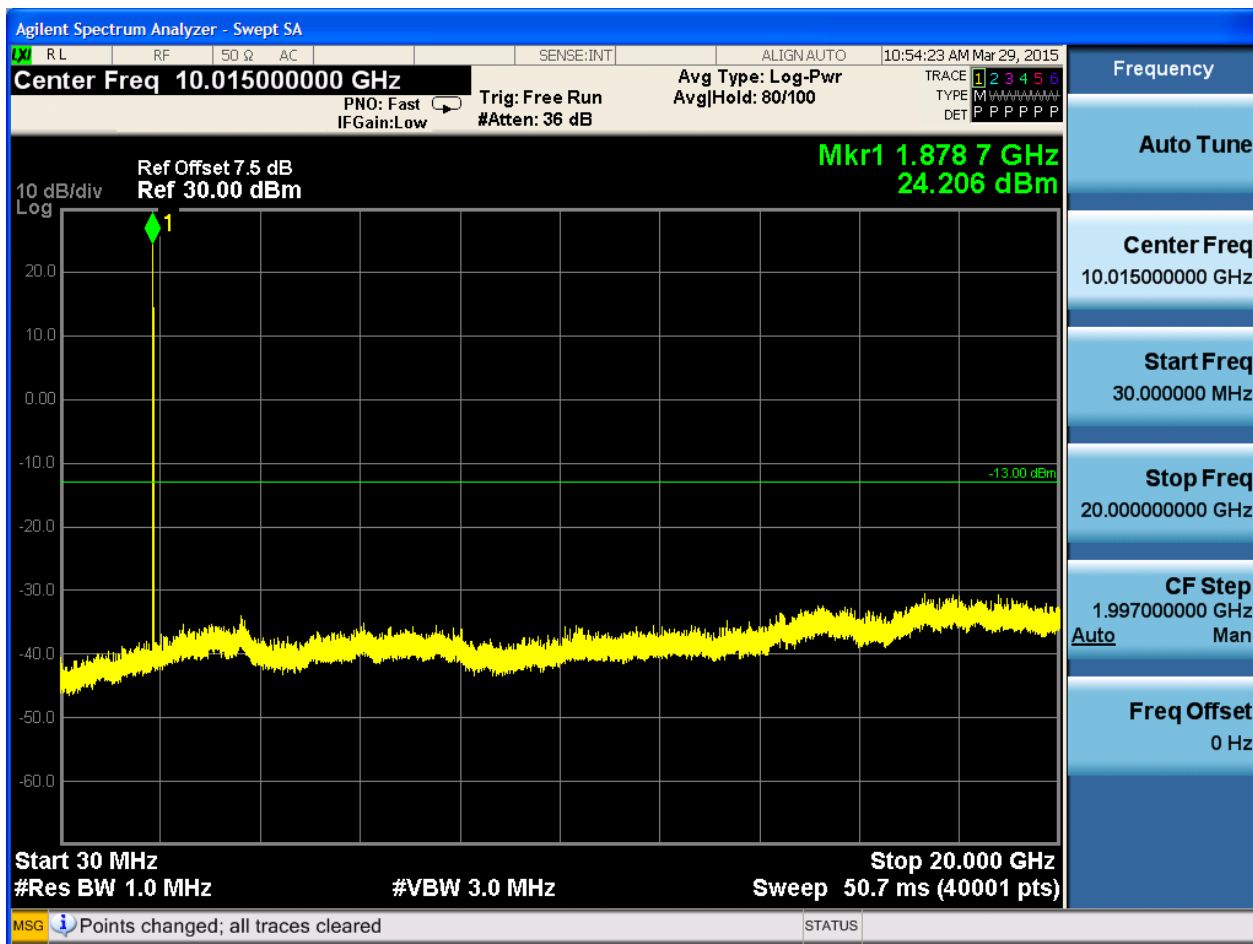




6.2.2.1.2 Test Channel = MCH

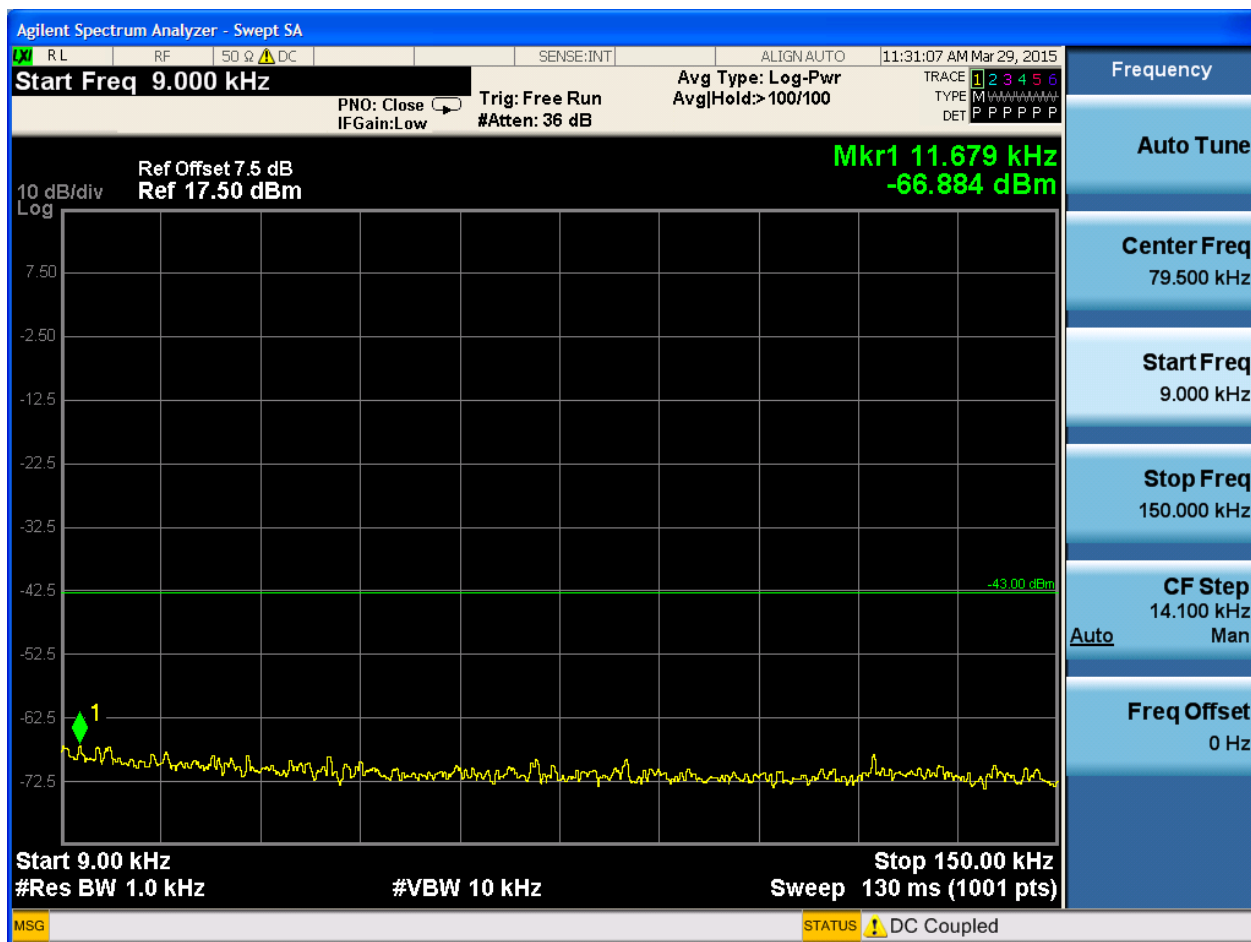


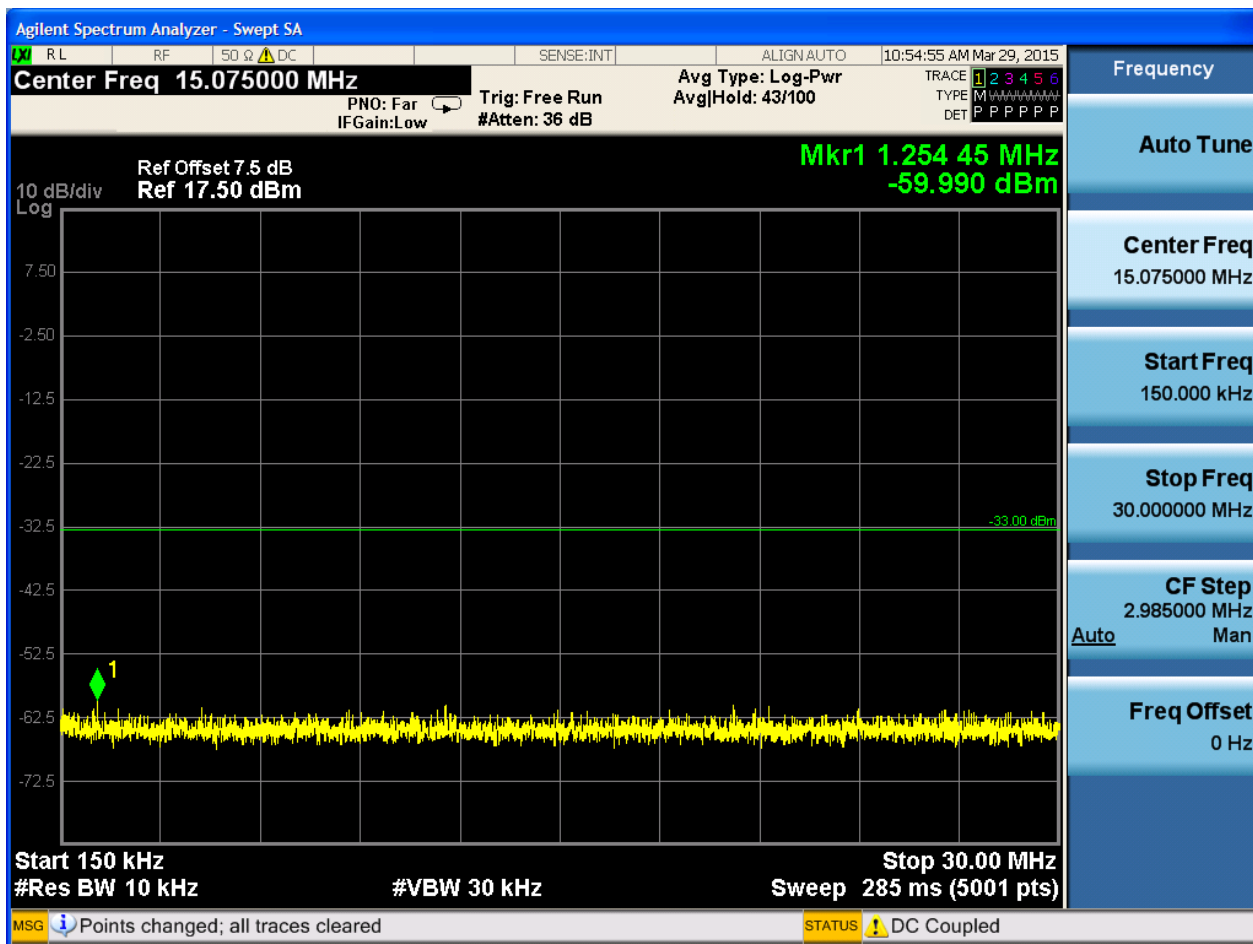


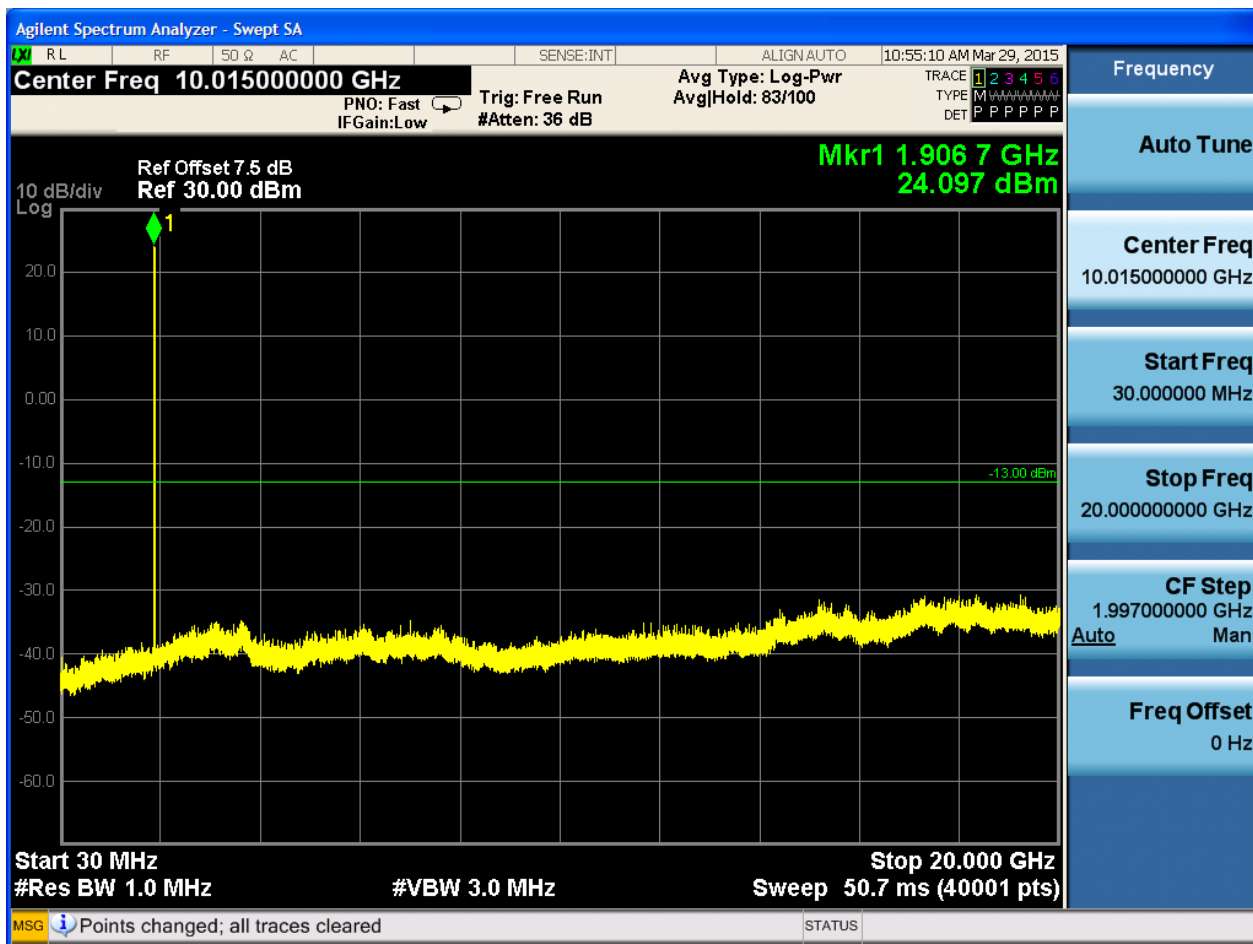




6.2.2.1.3 Test Channel = HCH





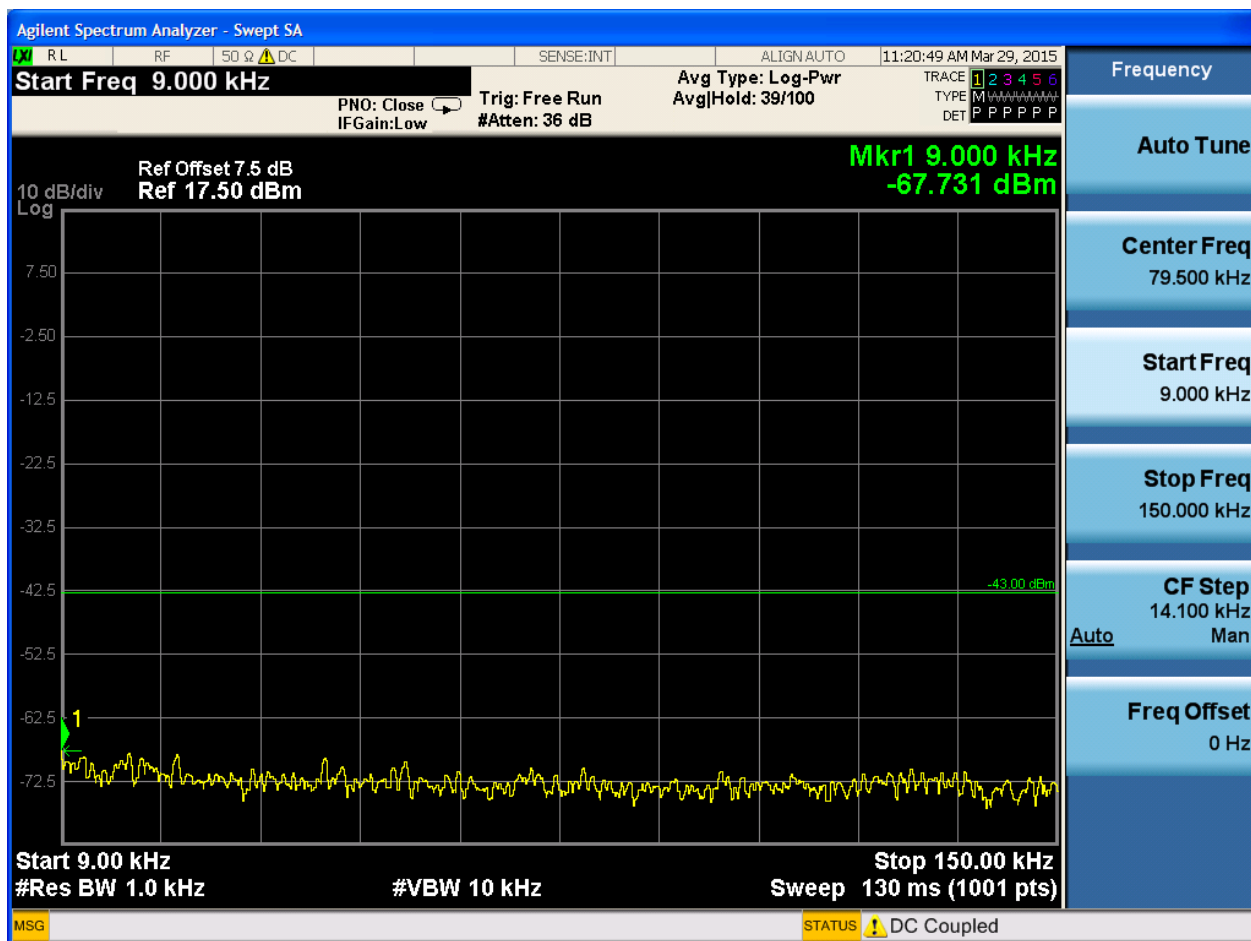


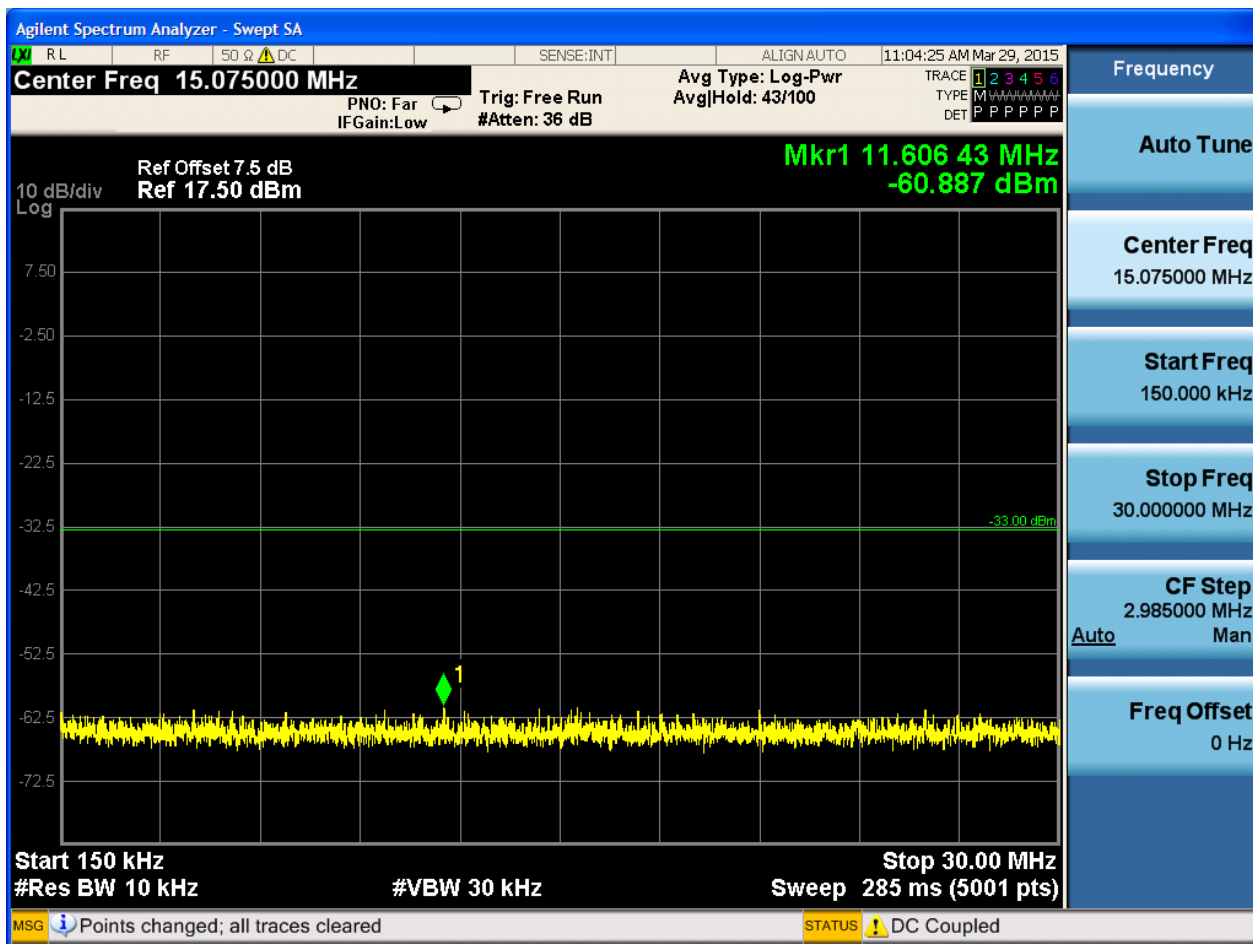


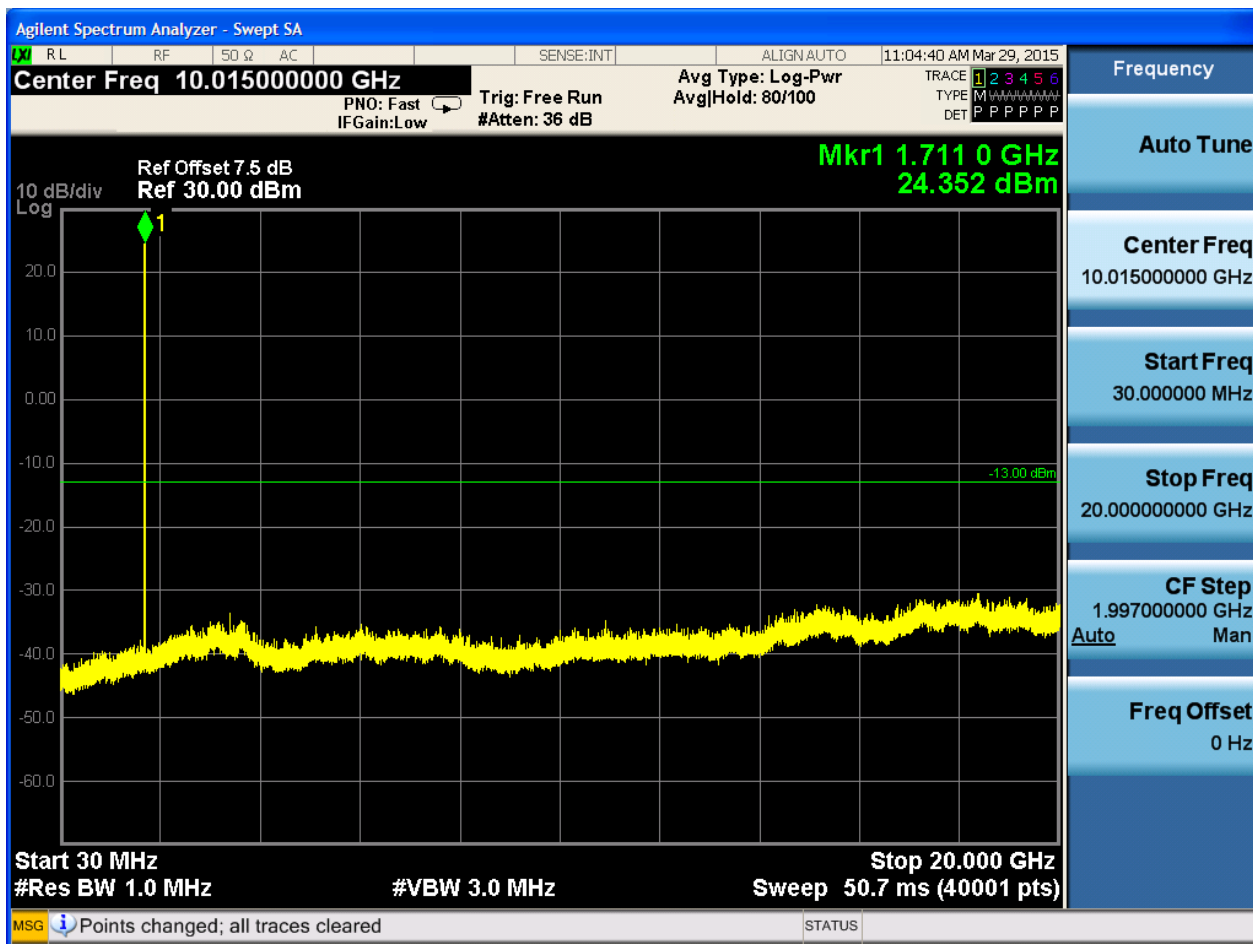
6.2.3 Test Band = WCDMA1700

6.2.3.1 Test Mode = UMTS/TM1

6.2.3.1.1 Test Channel = LCH

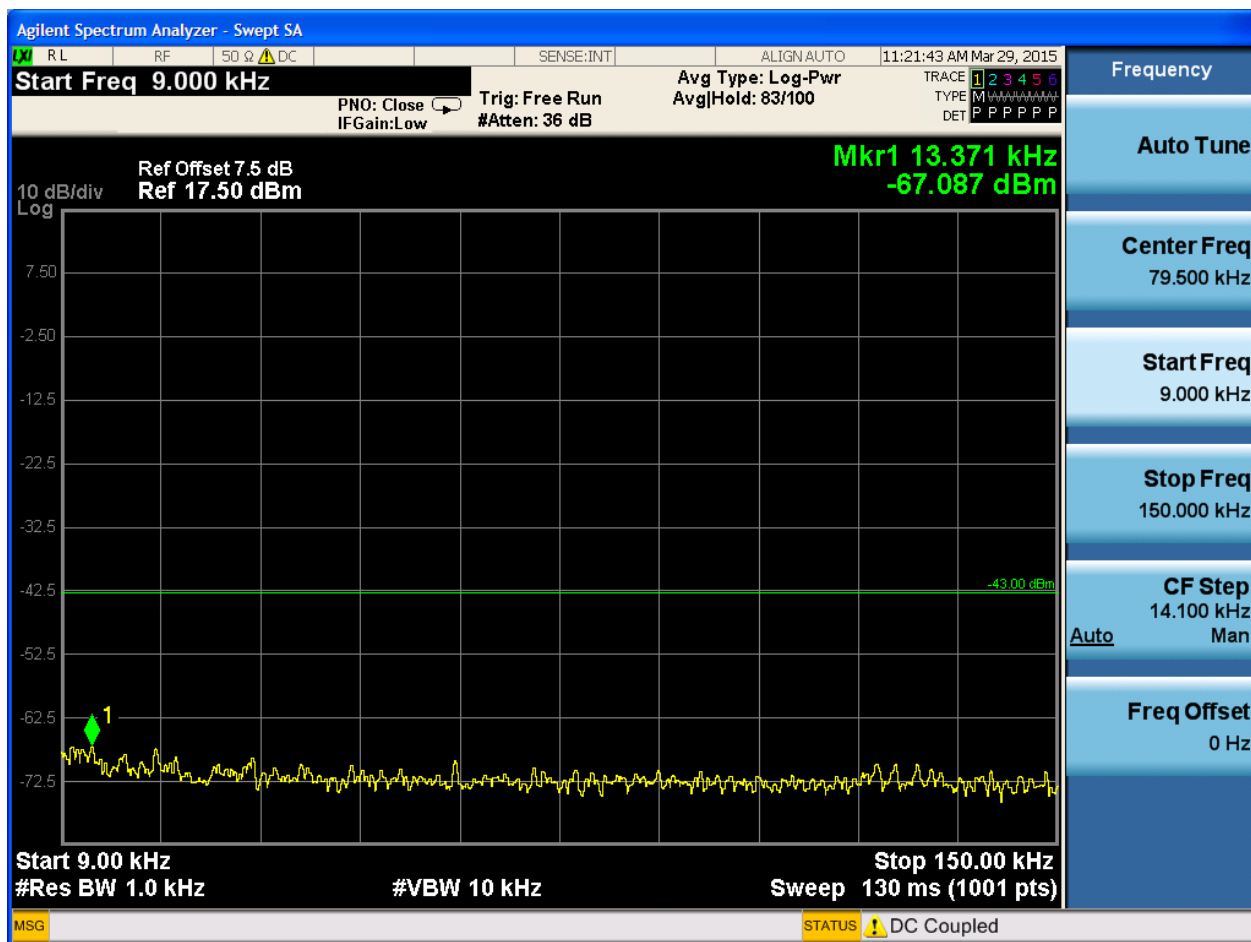


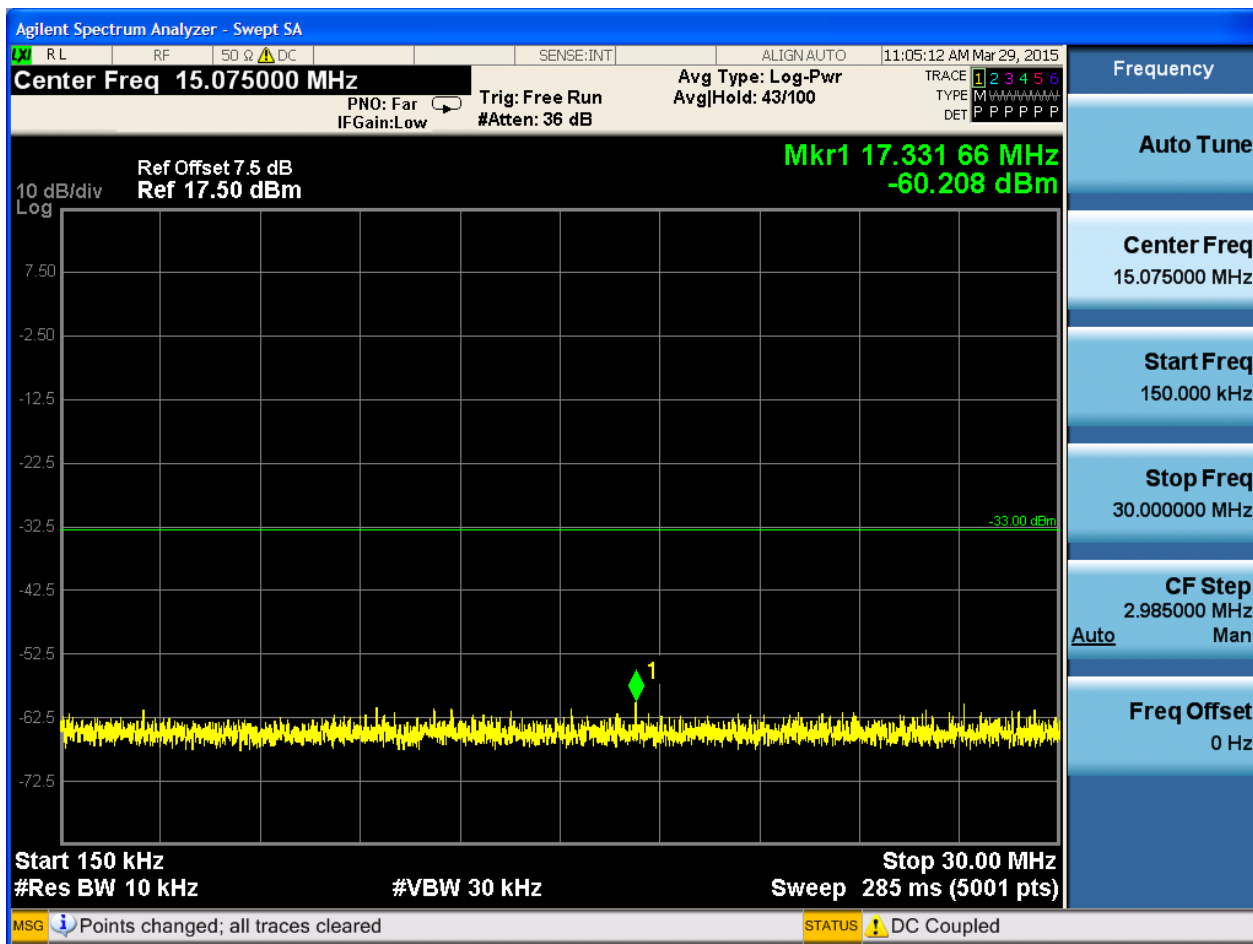


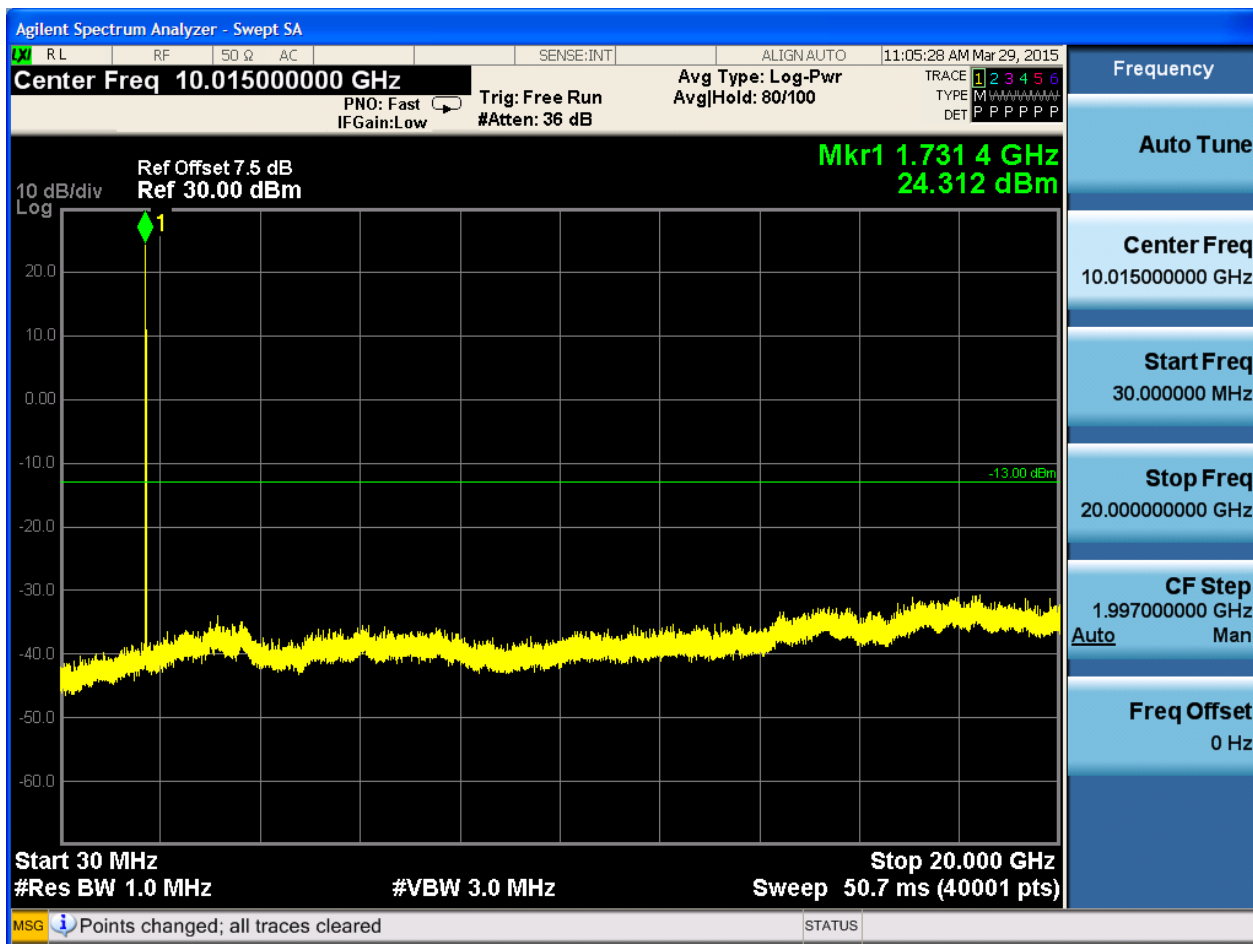




6.2.3.1.2 Test Channel = MCH

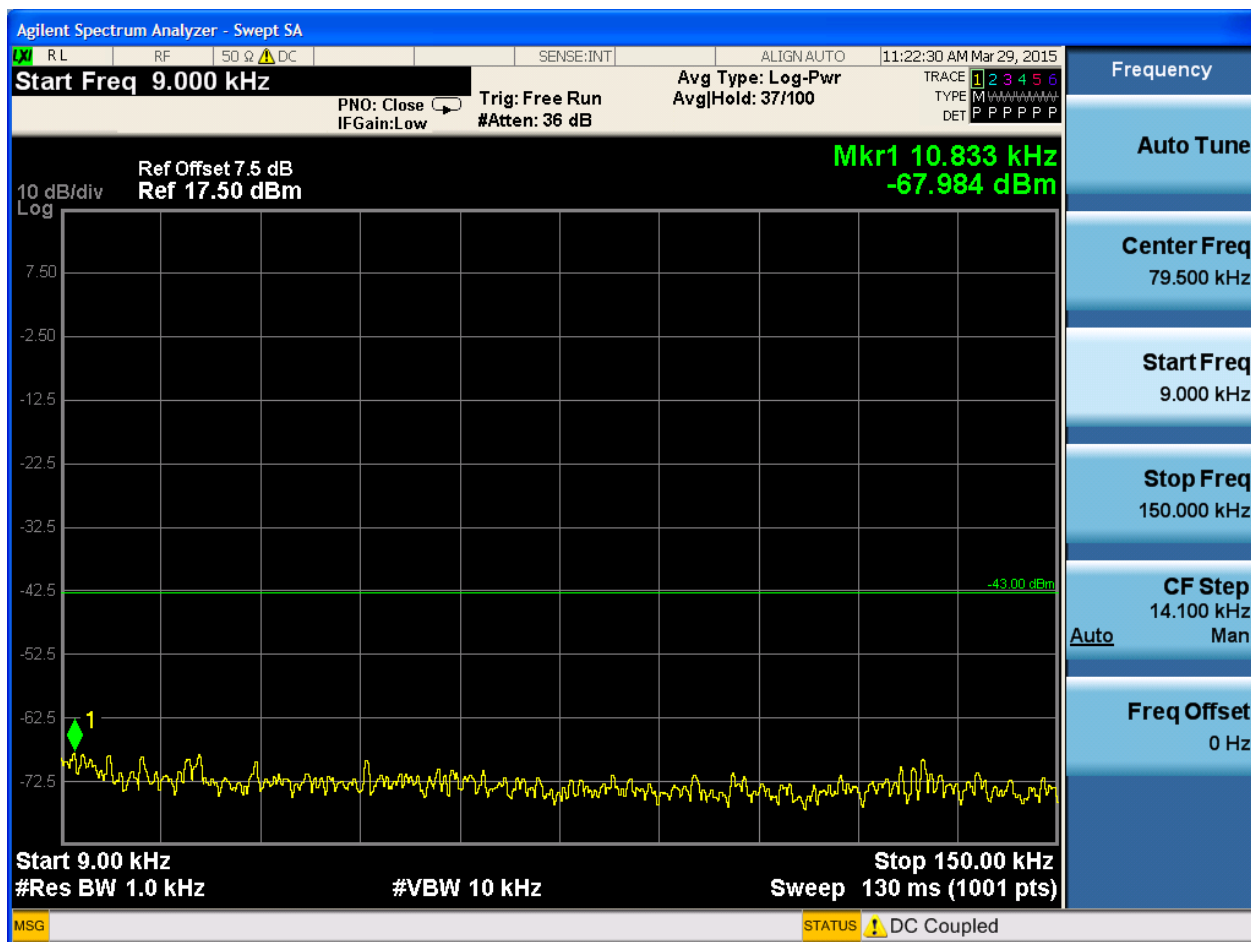


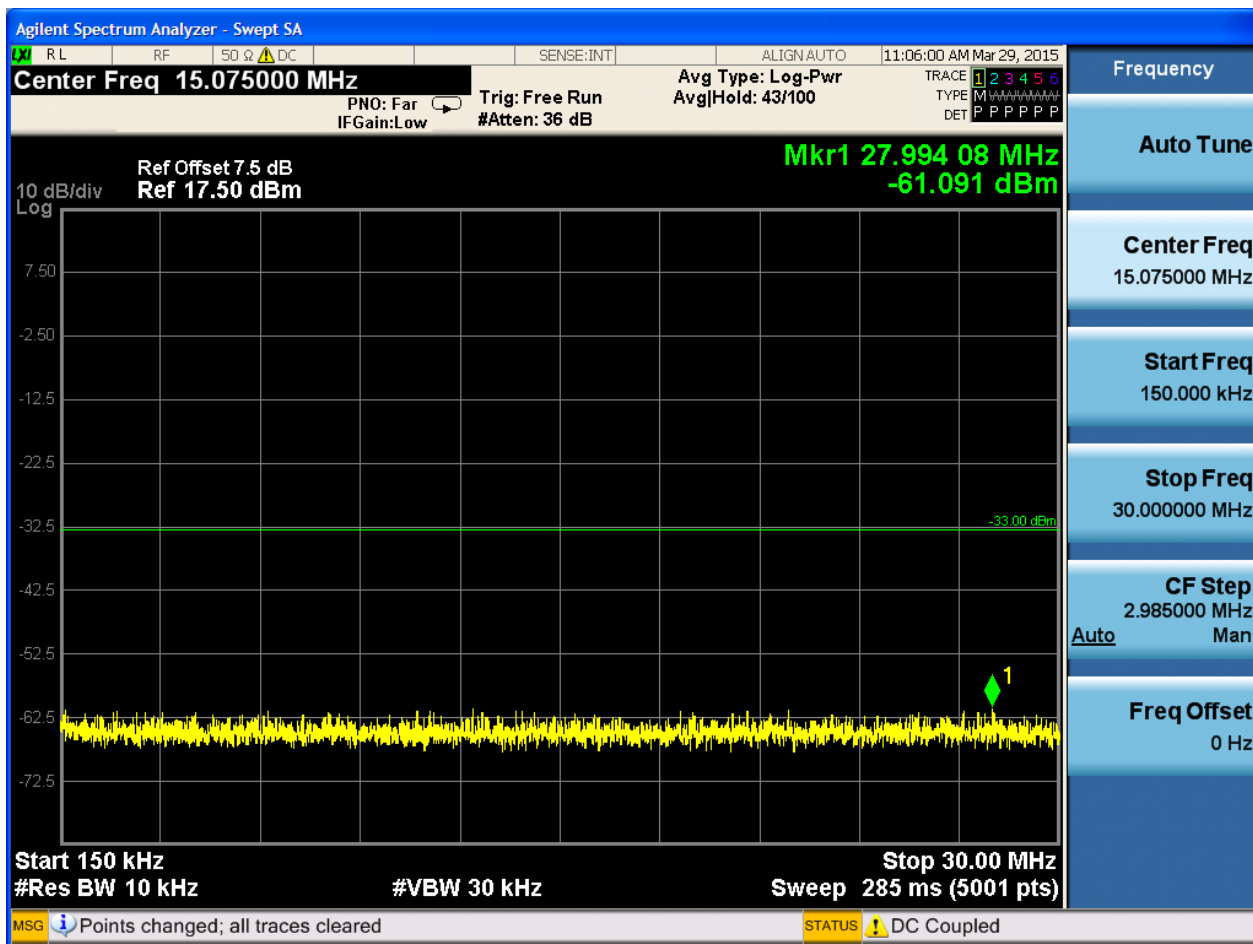


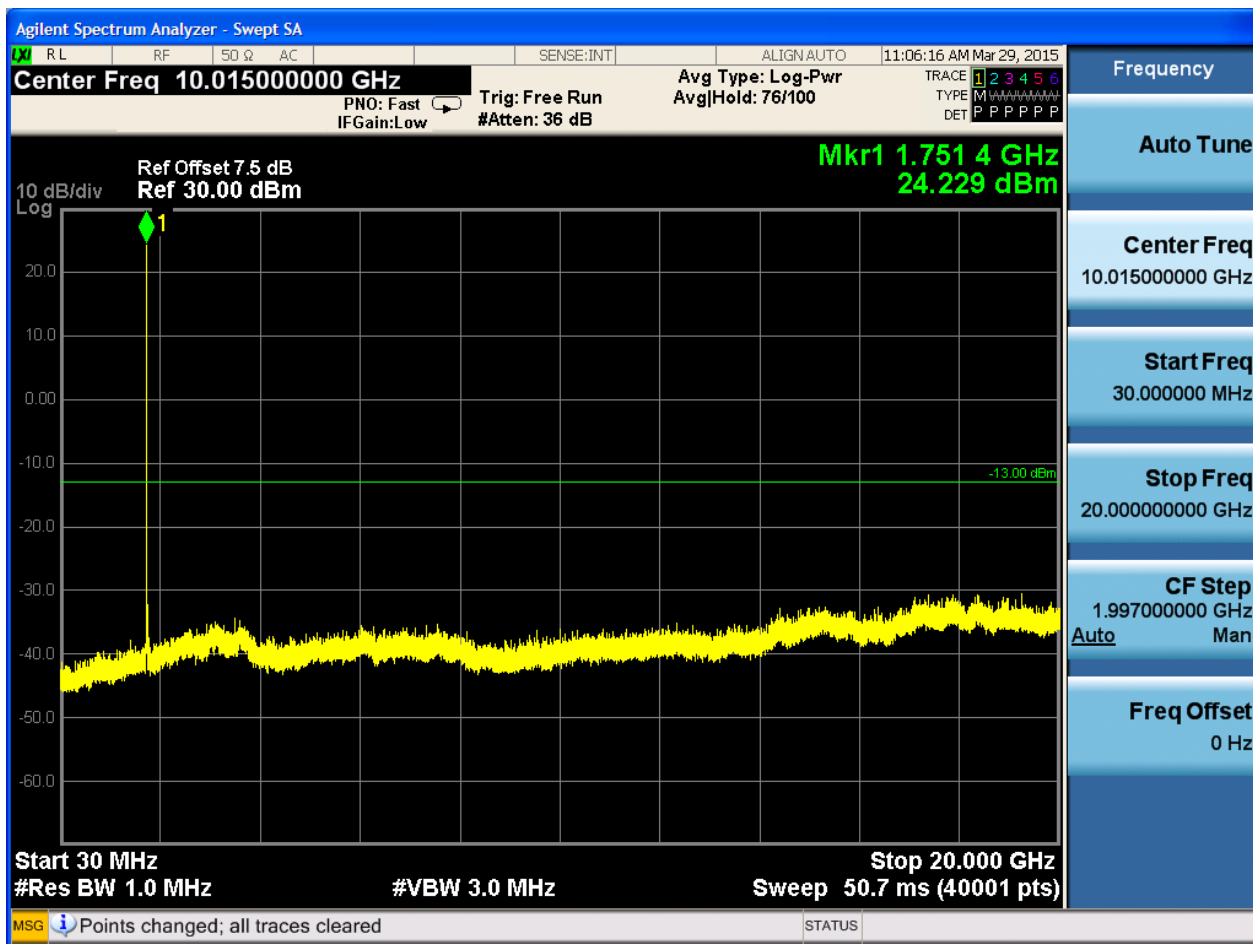




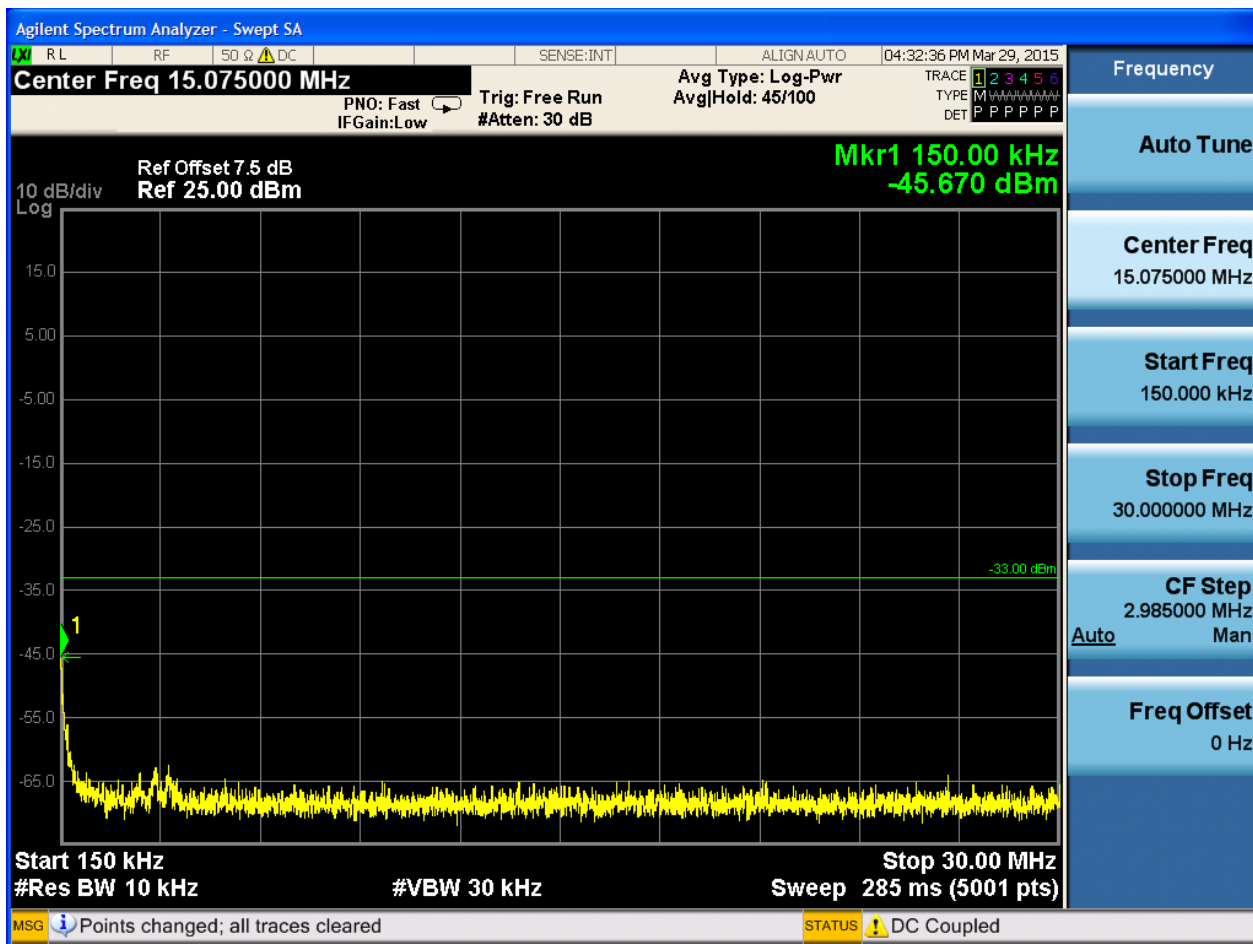
6.2.3.1.3 Test Channel = HCH

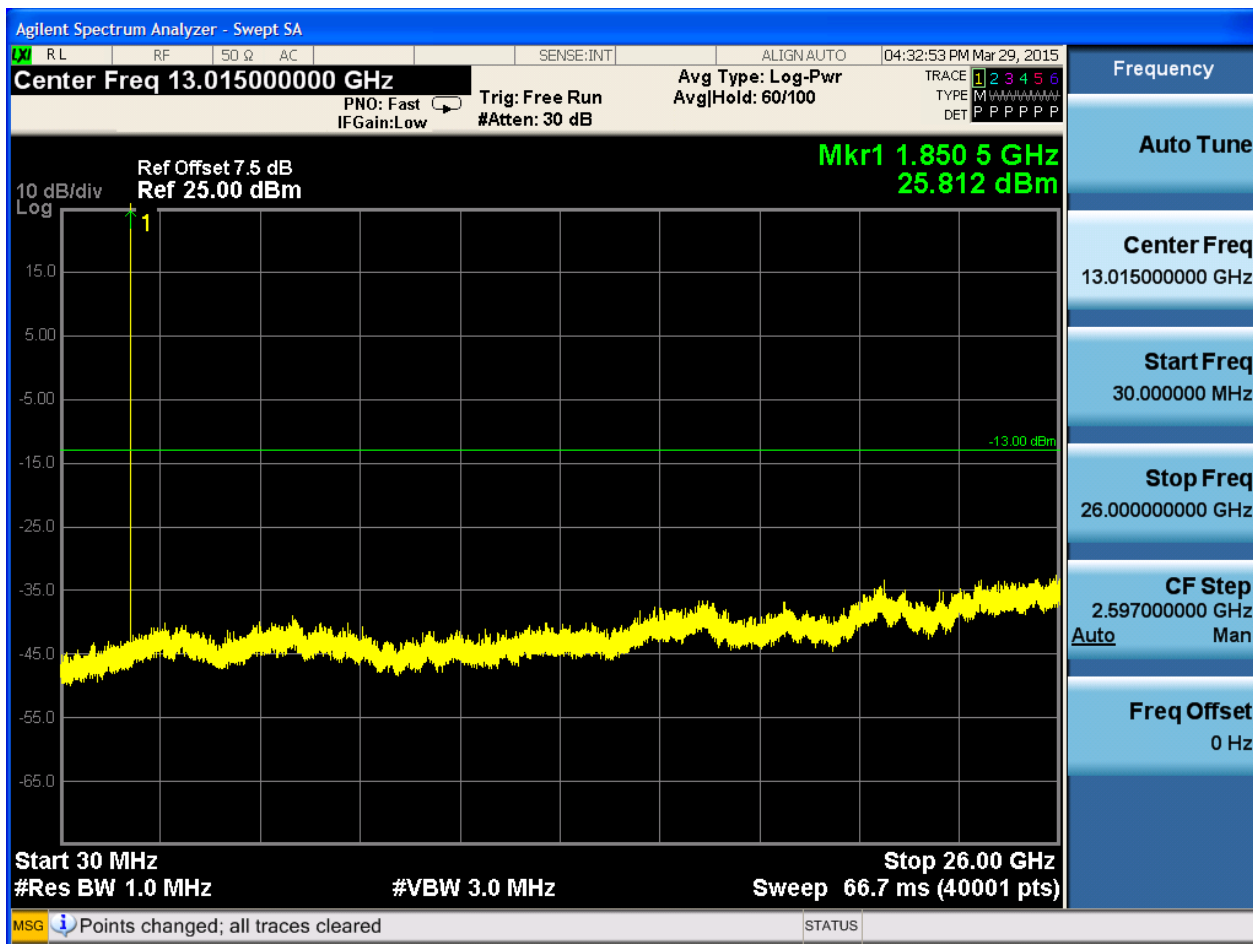








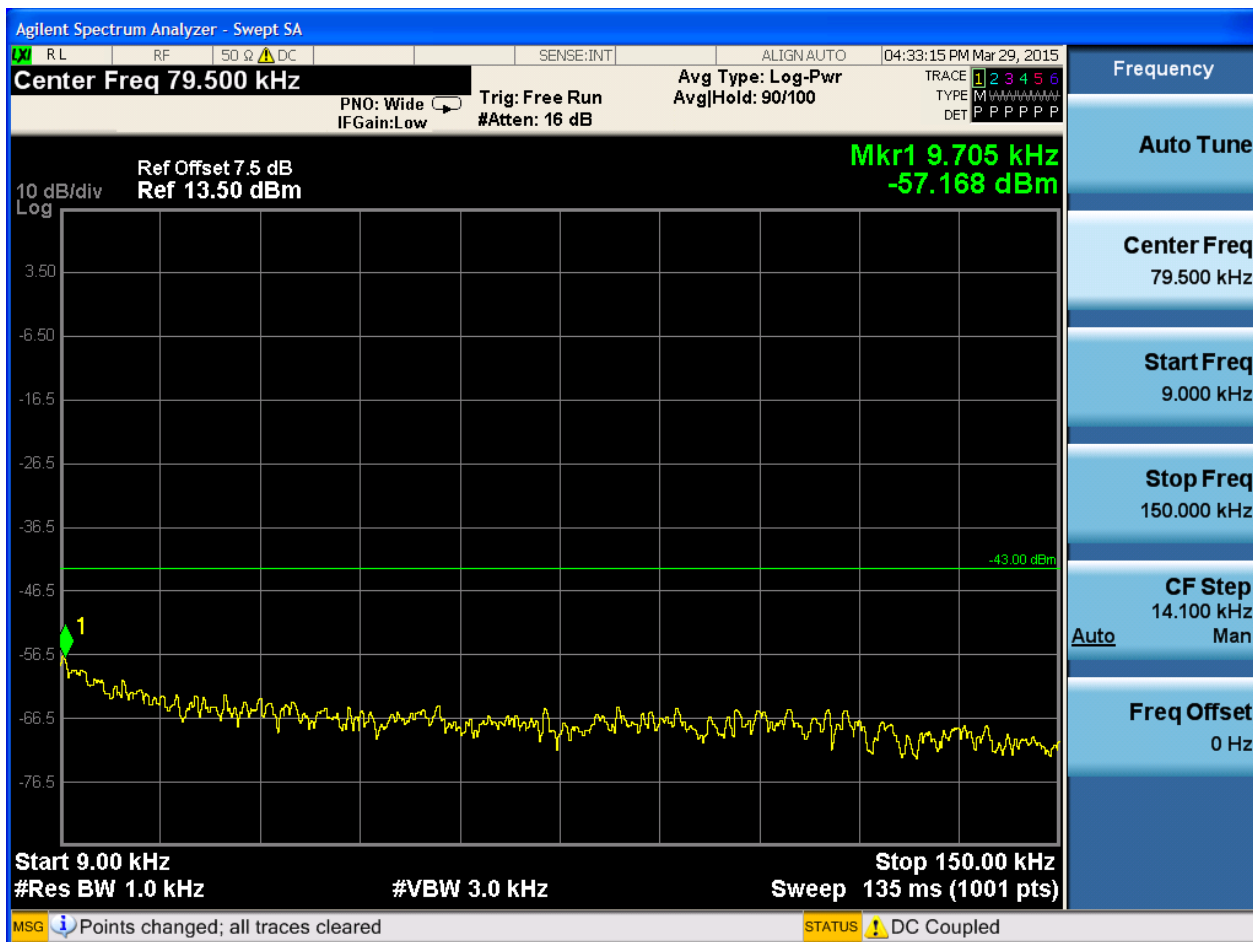


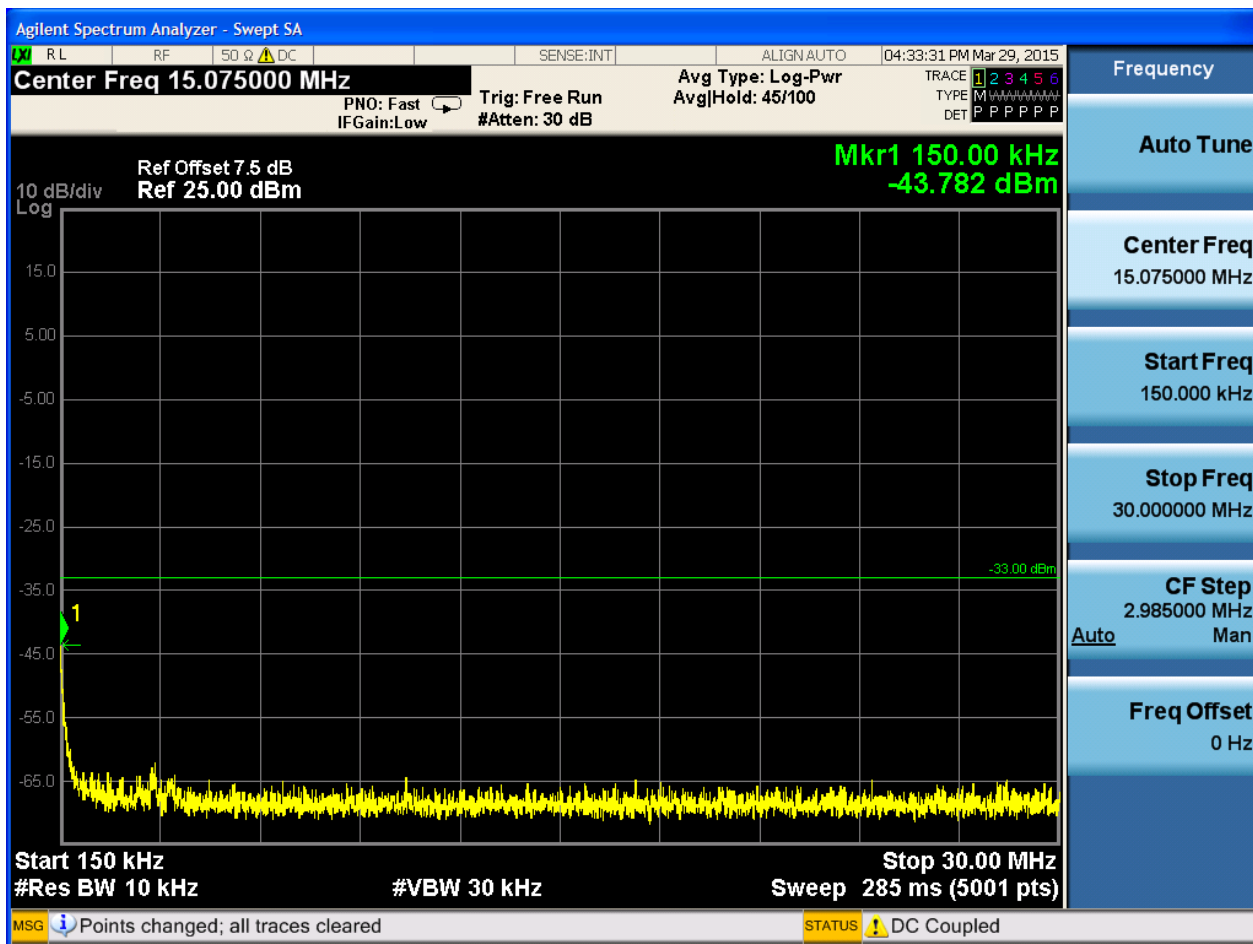


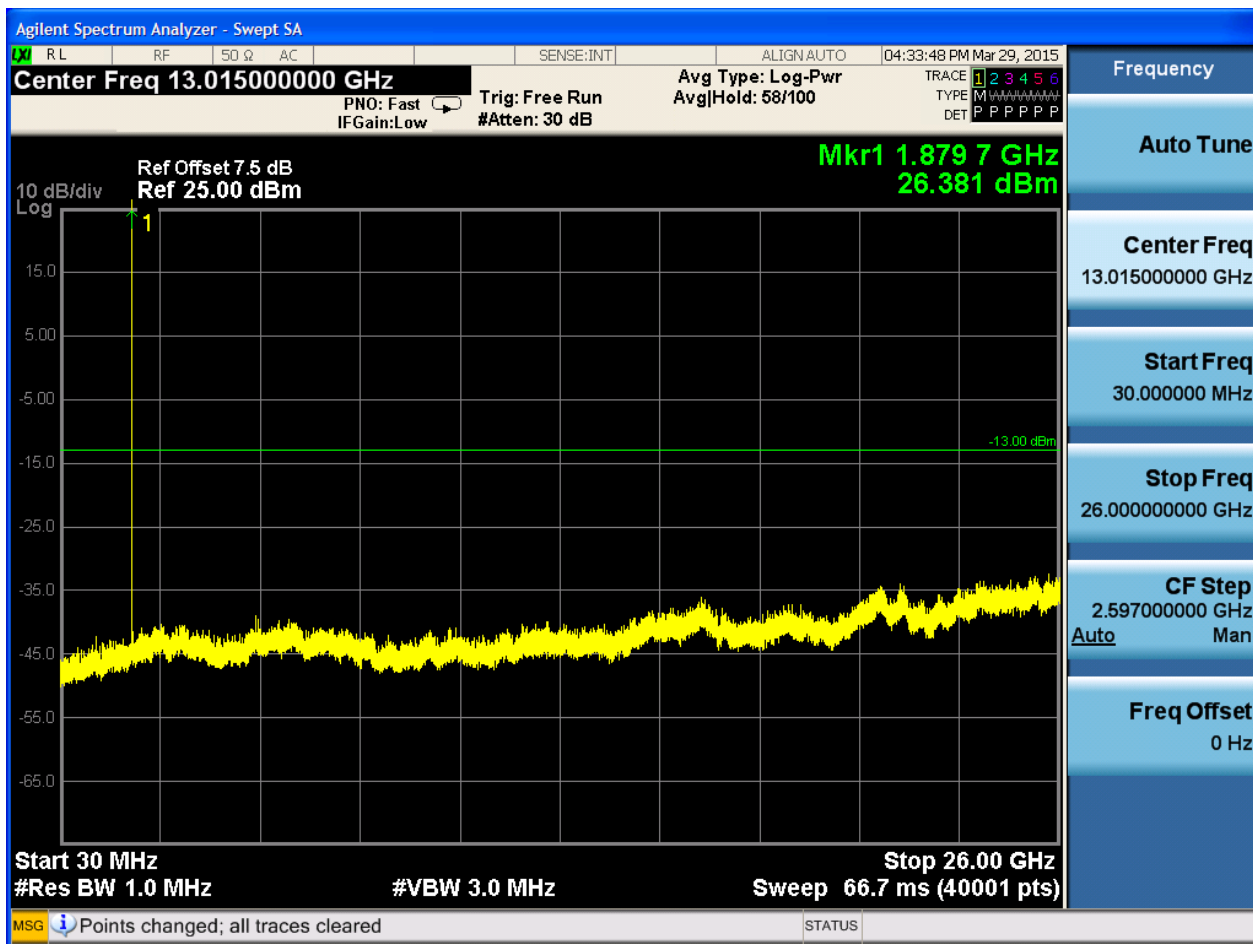


6.3.1.1.1.2 Test Channel = MCH

6.3.1.1.1.2.1 Test RB = RB1#0



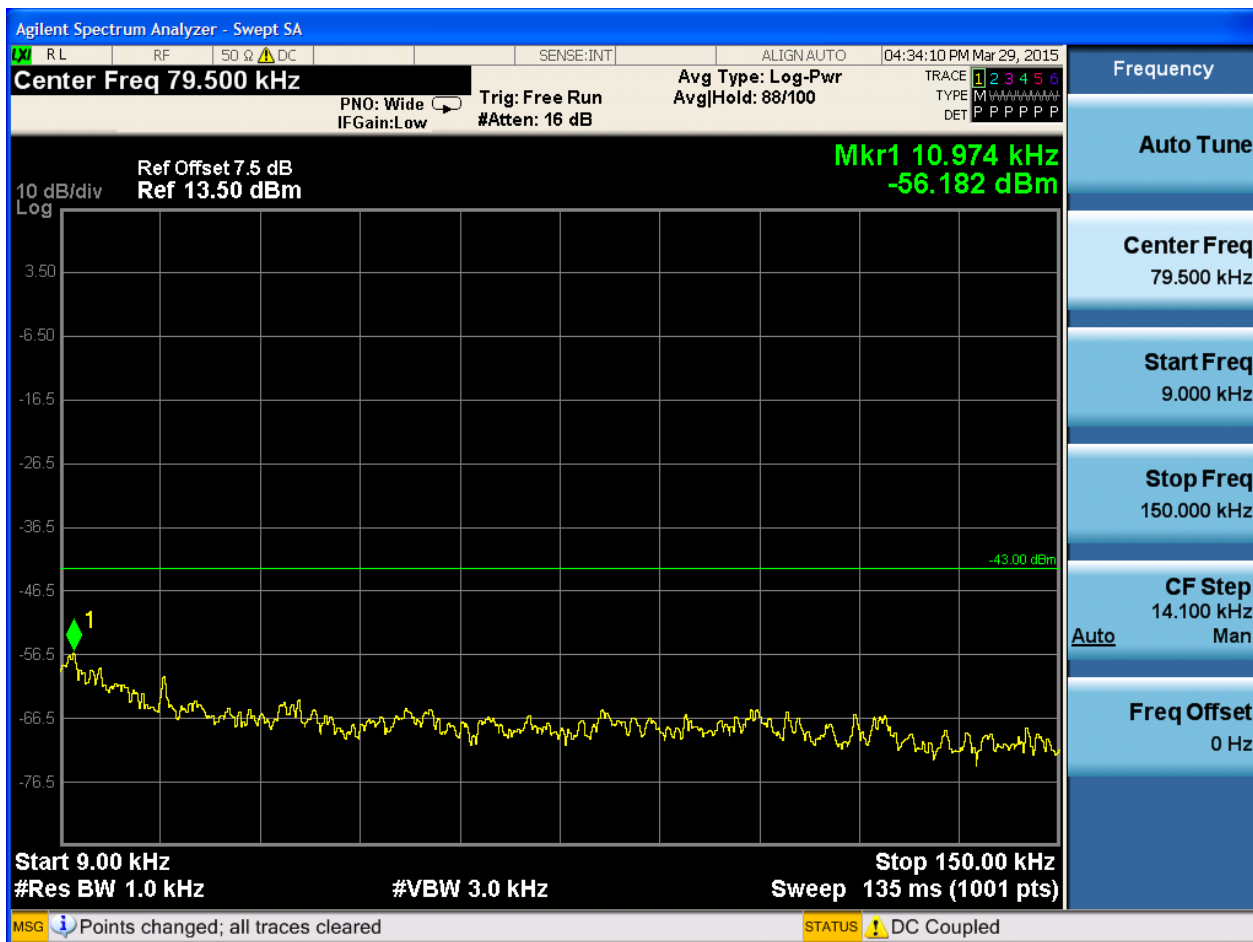


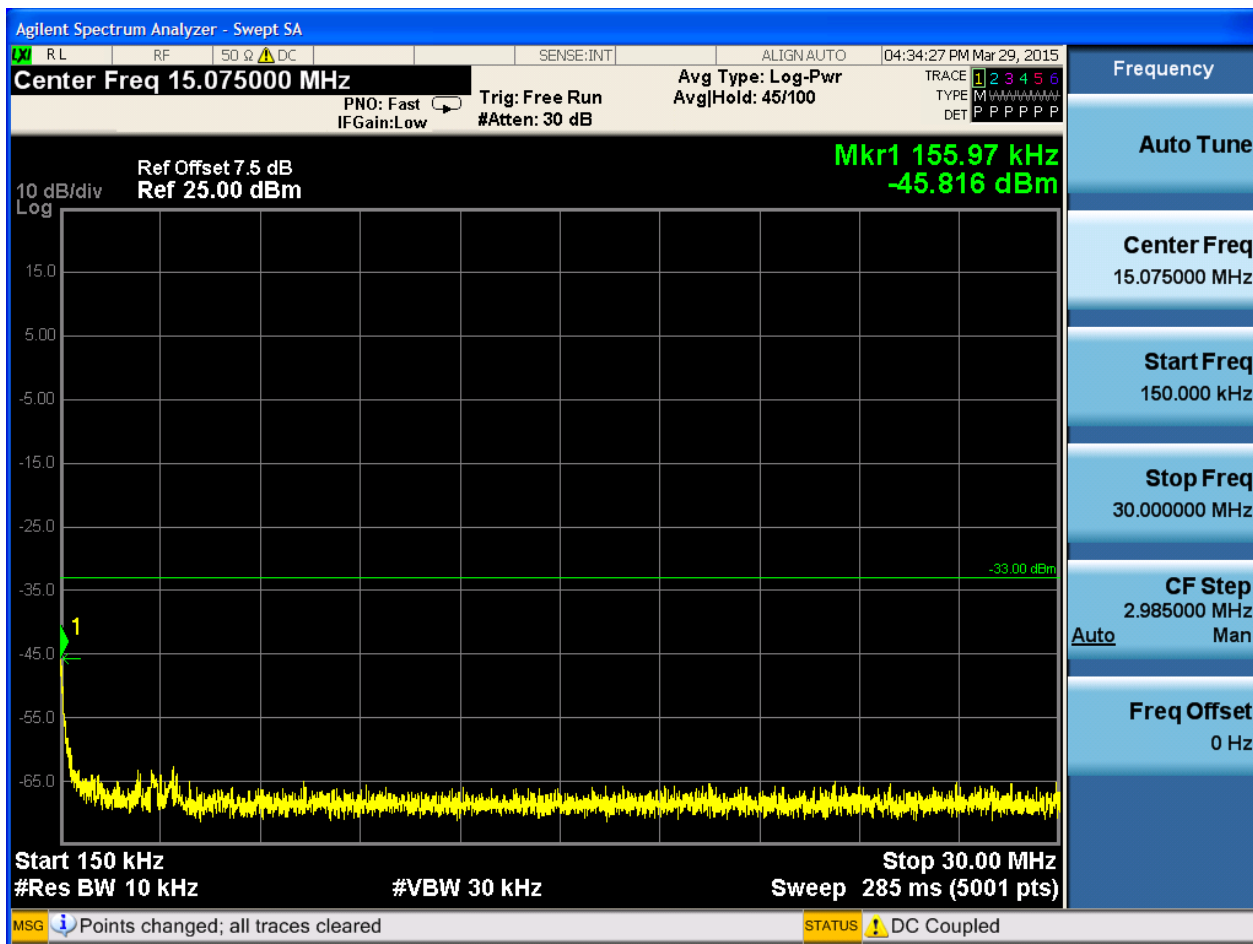


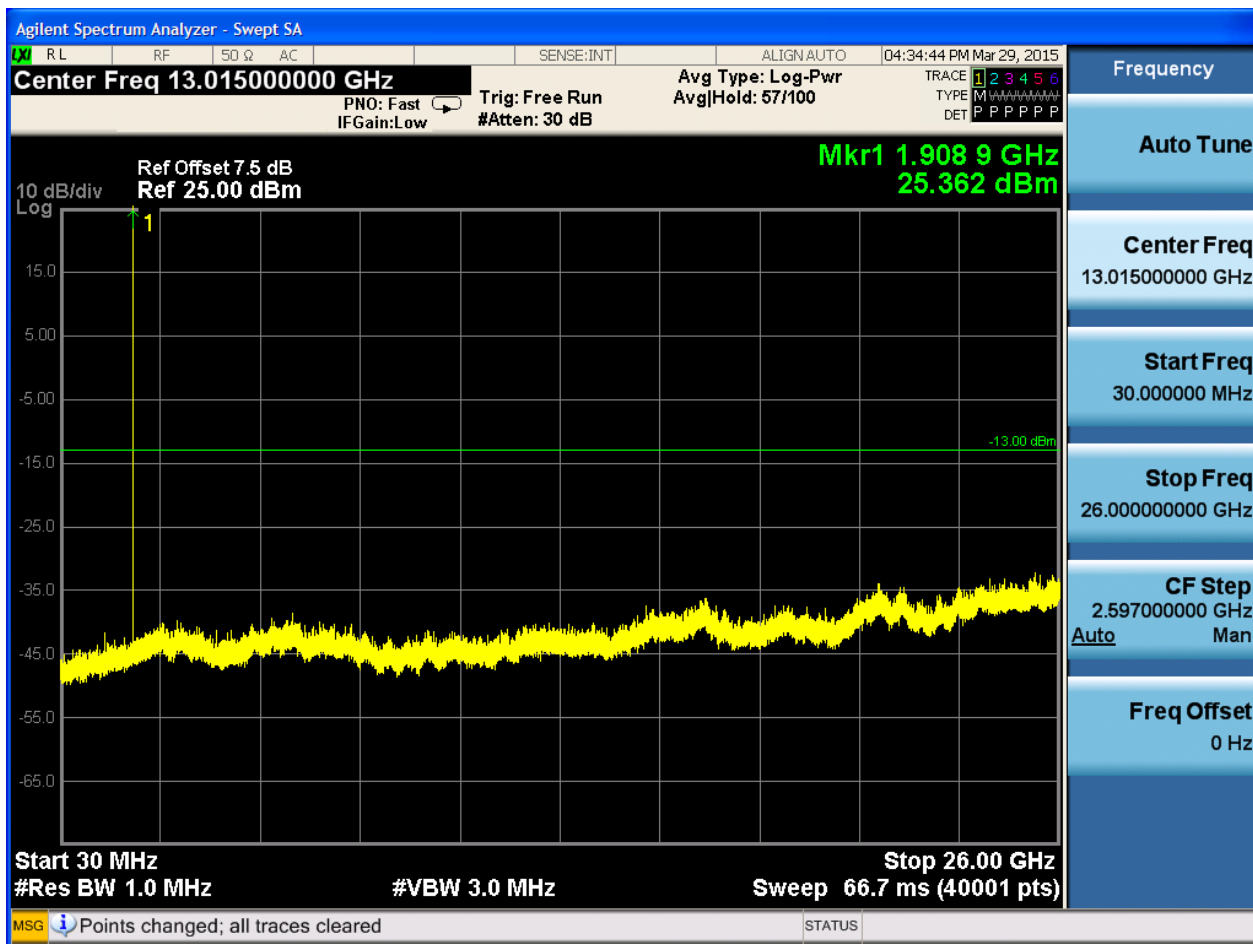


6.3.1.1.1.3 Test Channel = HCH

6.3.1.1.1.3.1 Test RB = RB1#0





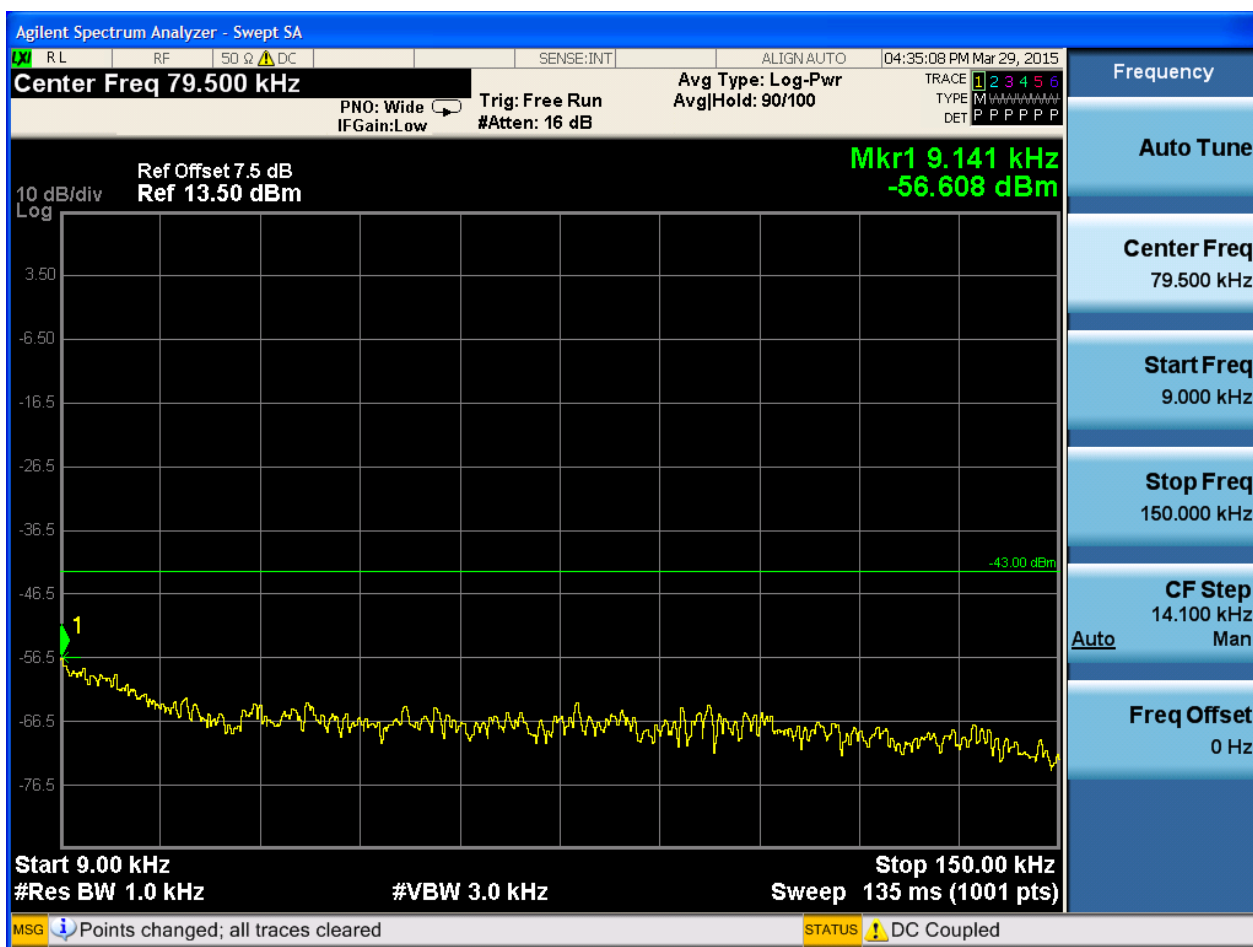


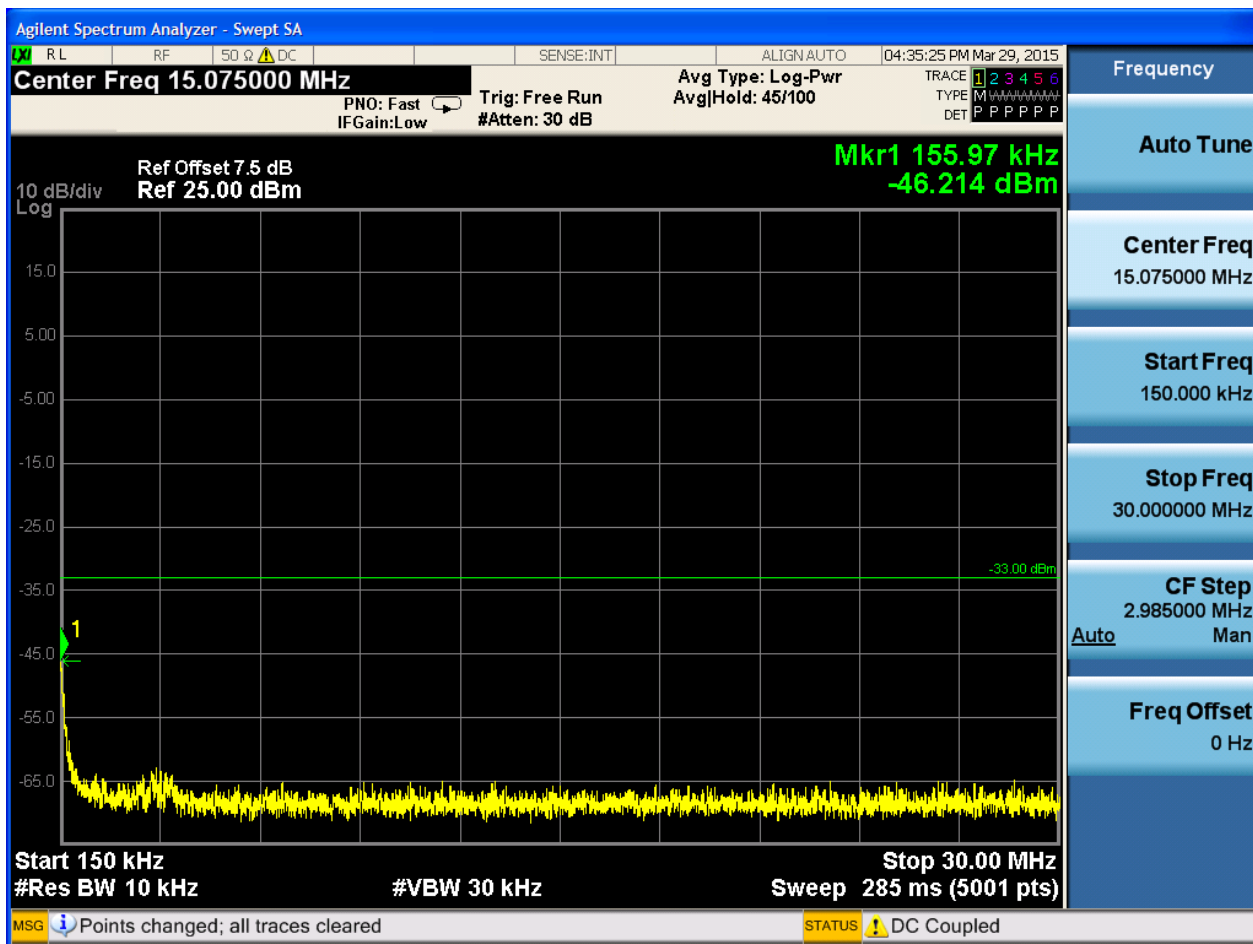


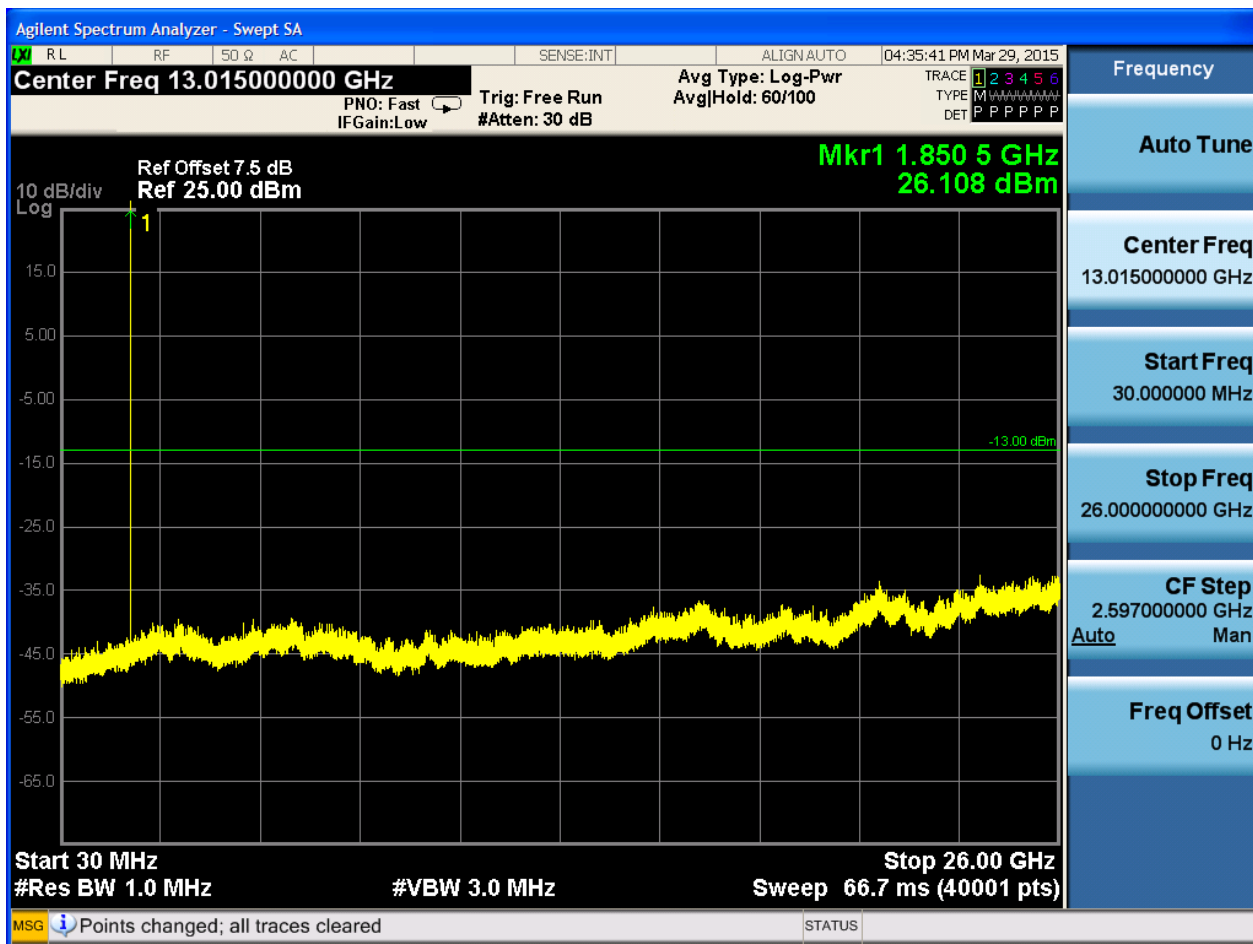
6.3.1.1.2 Test Bandwidth = 3

6.3.1.1.2.1 Test Channel = LCH

6.3.1.1.2.1.1 Test RB = RB1#0









6.3.1.1.2.2 Test Channel = MCH

6.3.1.1.2.2.1 Test RB = RB1#0

