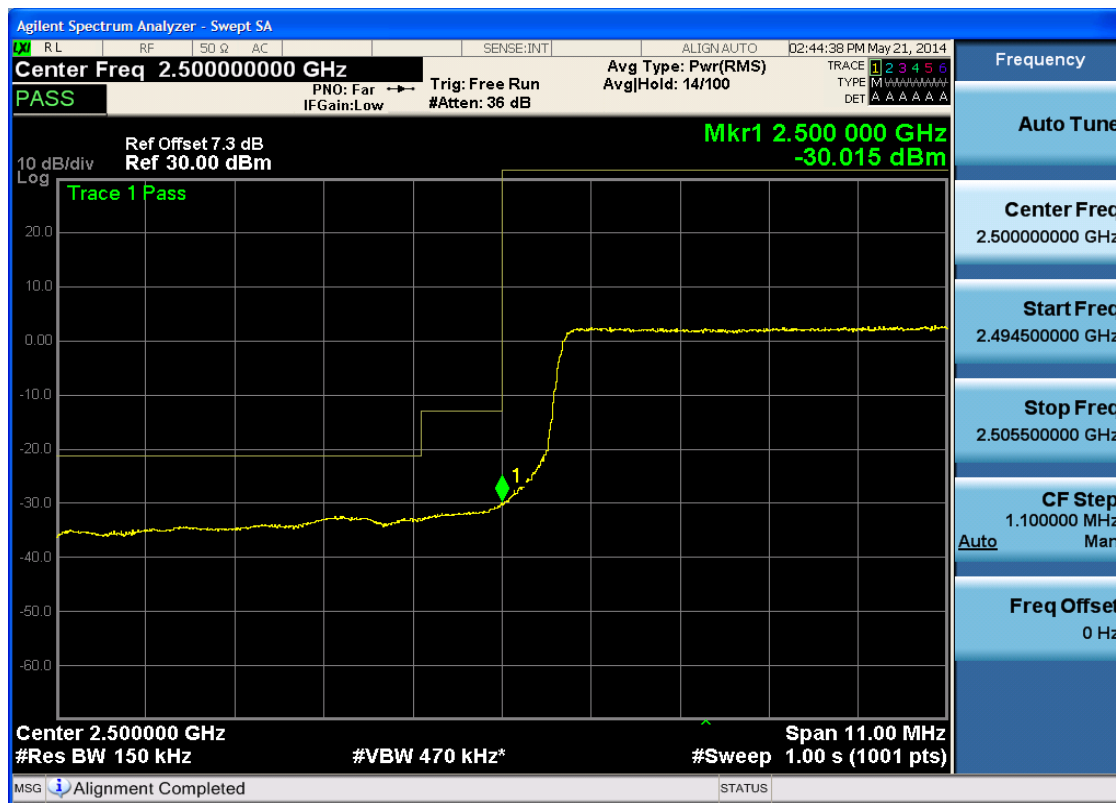
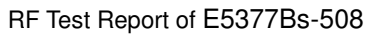




5.3.4.1.3.1.4 Test RB = RB75#0

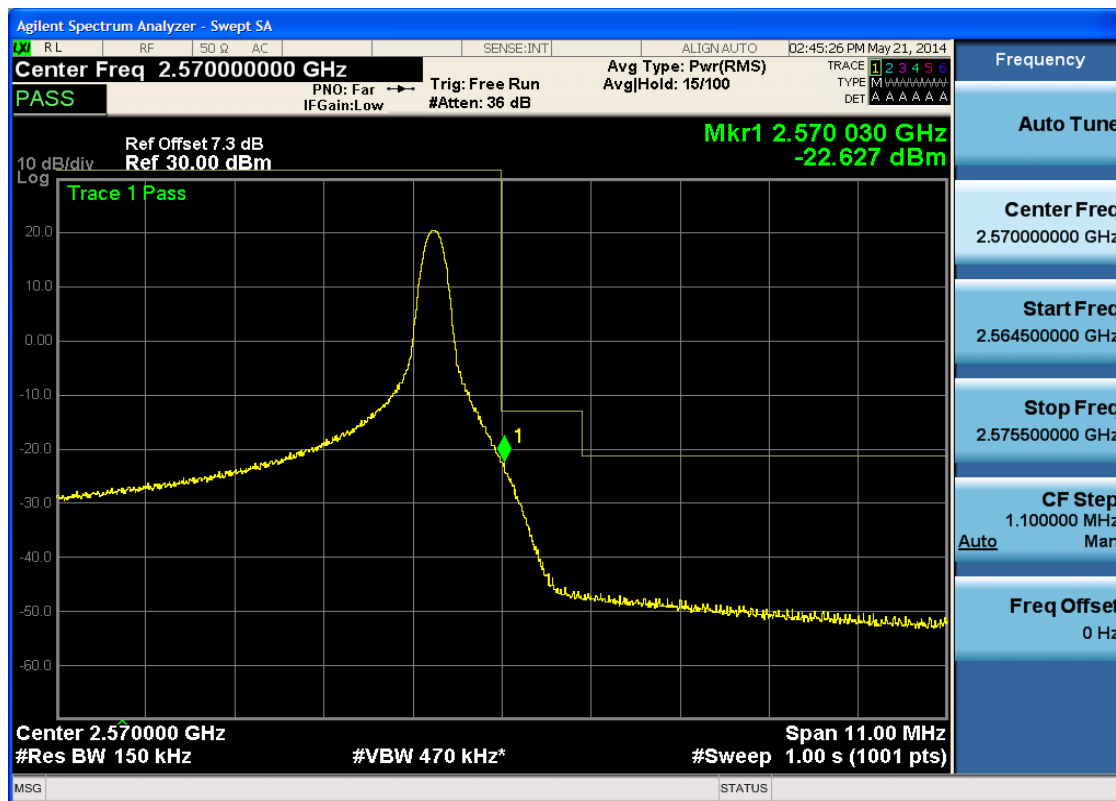




5.3.4.1.3.2.1 Test RB = RB1#0



5.3.4.1.3.2.2 Test RB = RB1#74



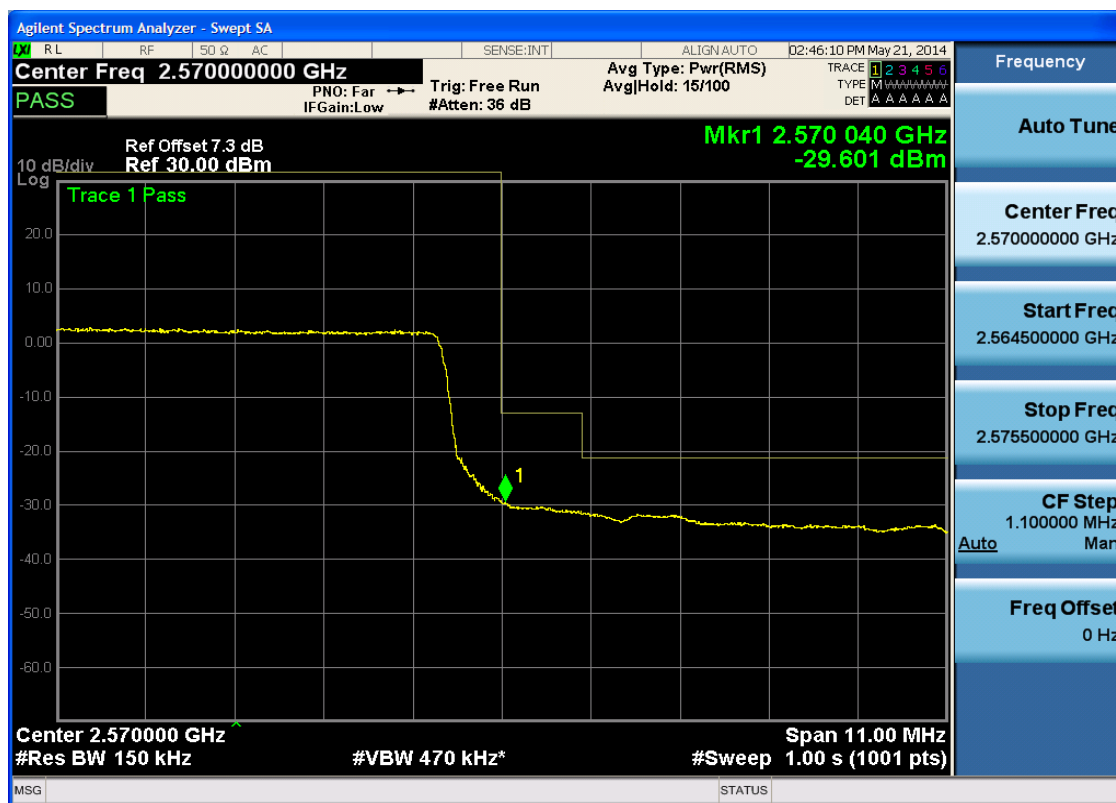


5.3.4.1.3.2.3 Test RB = RB36#18





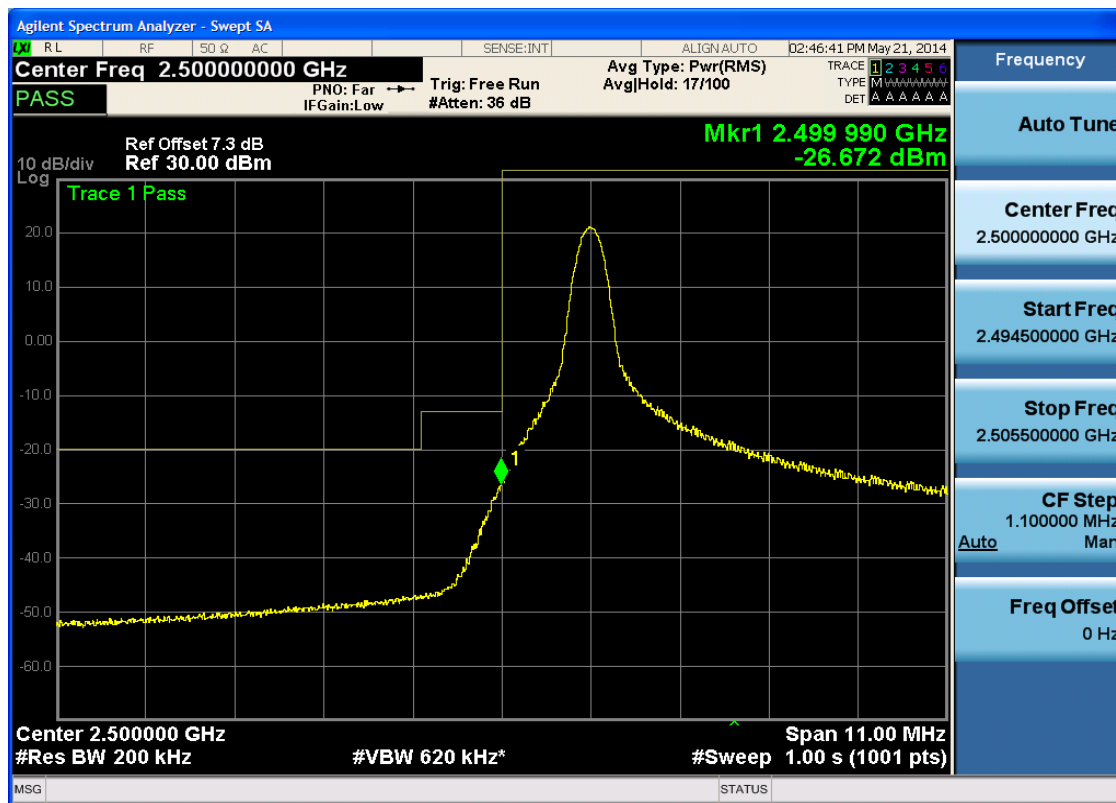
5.3.4.1.3.2.4 Test RB = RB75#0



5.3.4.1.4 Test Bandwidth = 20

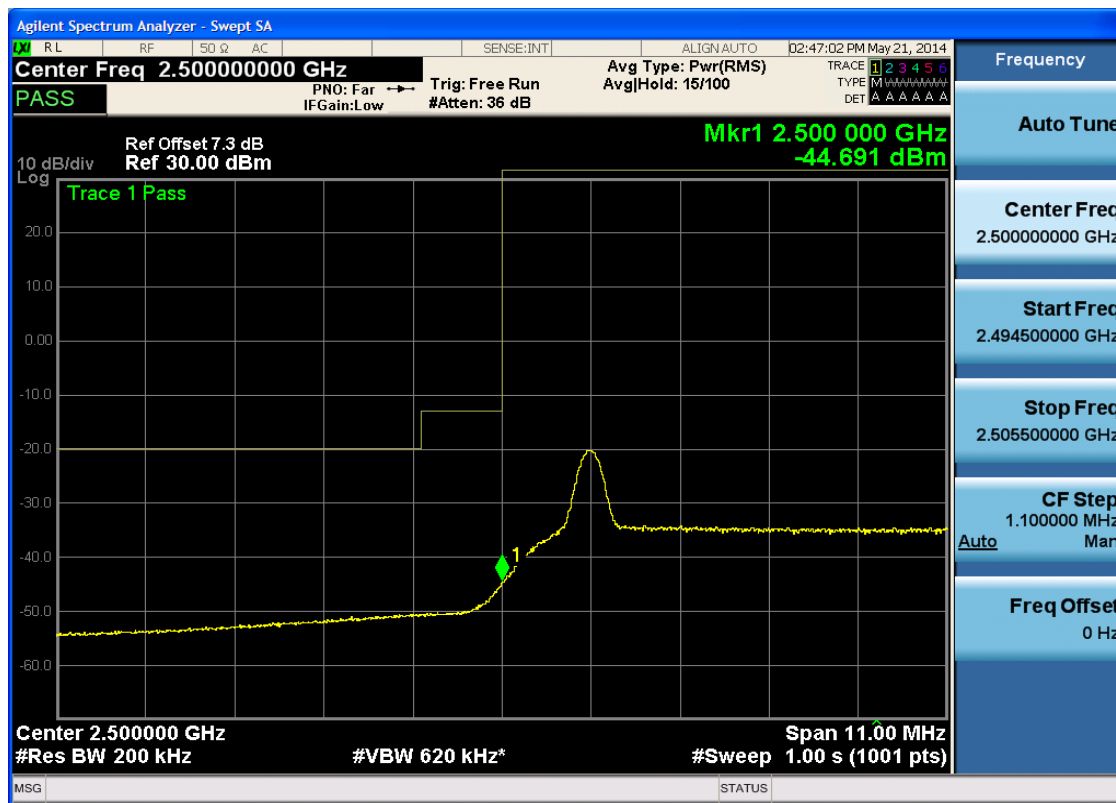
5.3.4.1.4.1 Test Channel = LCH

5.3.4.1.4.1.1 Test RB = RB1#0



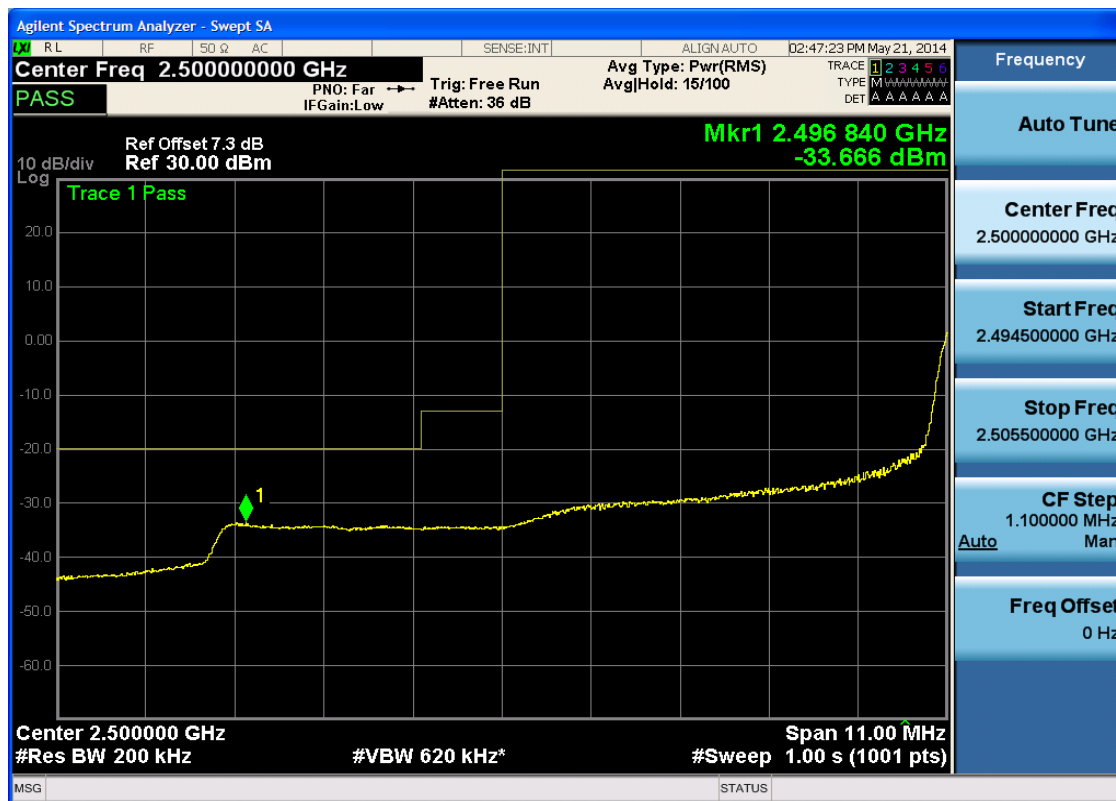


5.3.4.1.4.1.2 Test RB = RB1#99





5.3.4.1.4.1.3 Test RB = RB50#25





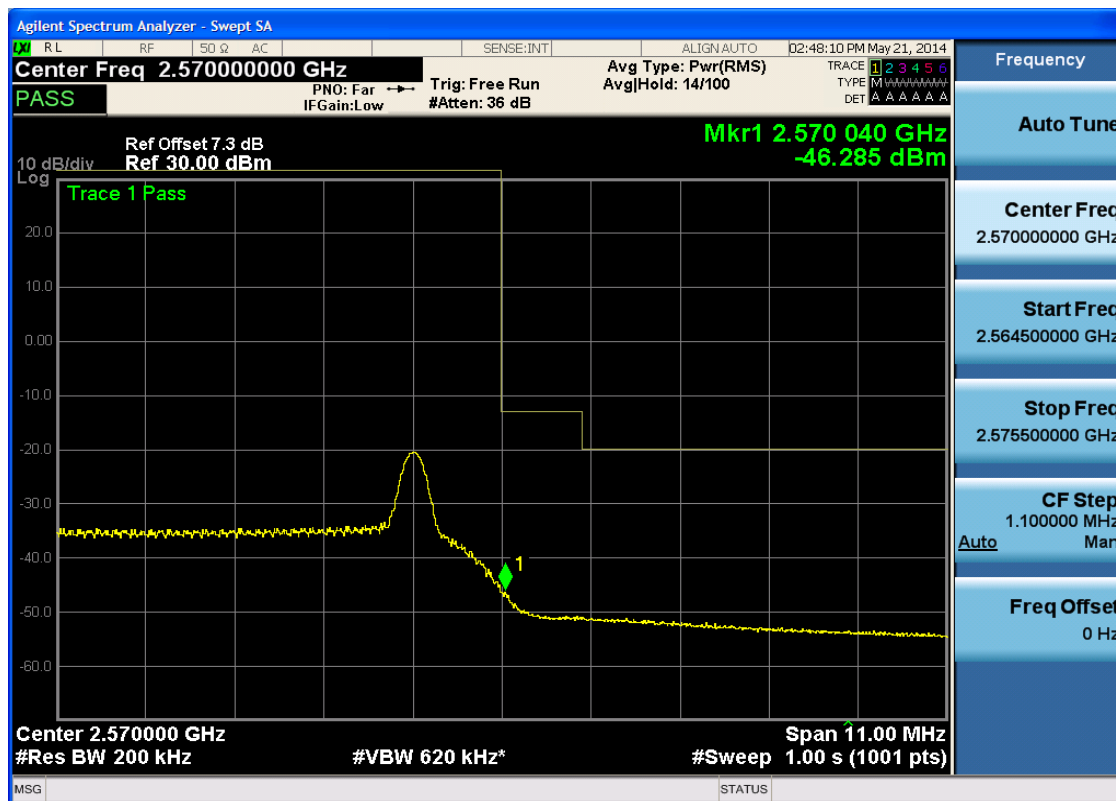
5.3.4.1.4.1.4 Test RB = RB100#0





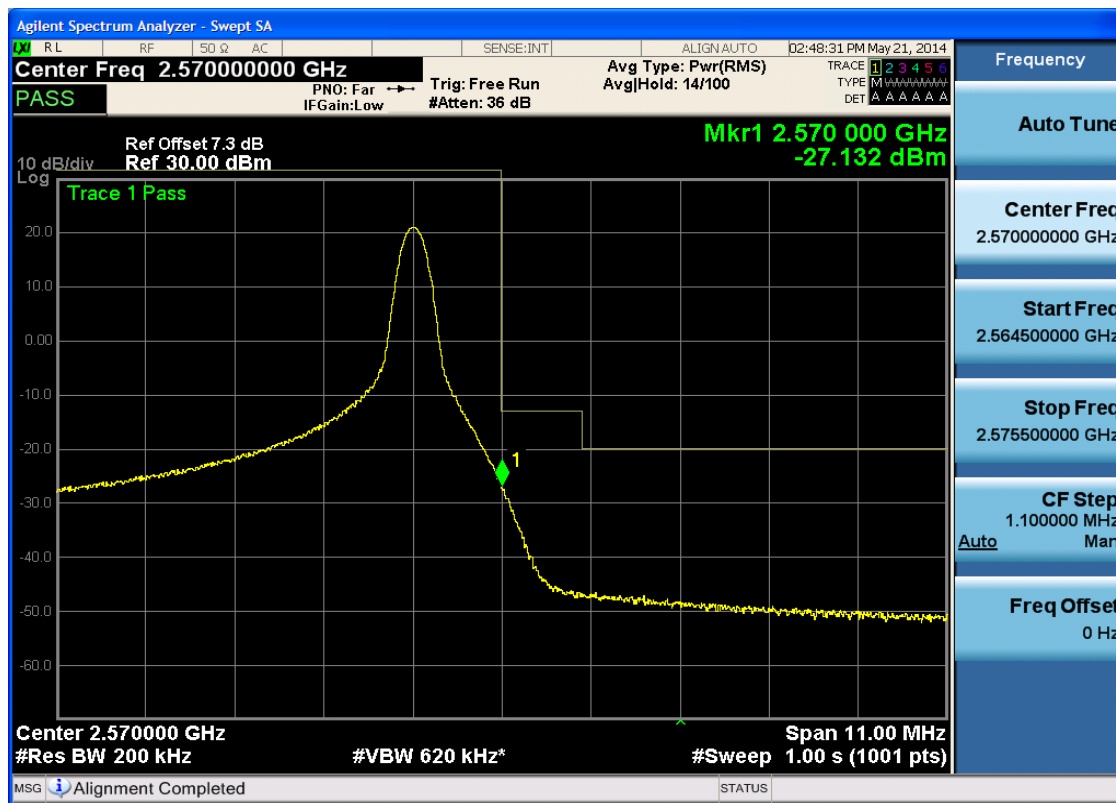
5.3.4.1.4.2 Test Channel = HCH

5.3.4.1.4.2.1 Test RB = RB1#0





5.3.4.1.4.2.2 Test RB = RB1#99





5.3.4.1.4.2.3 Test RB = RB50#25





5.3.4.1.4.2.4 Test RB = RB100#0



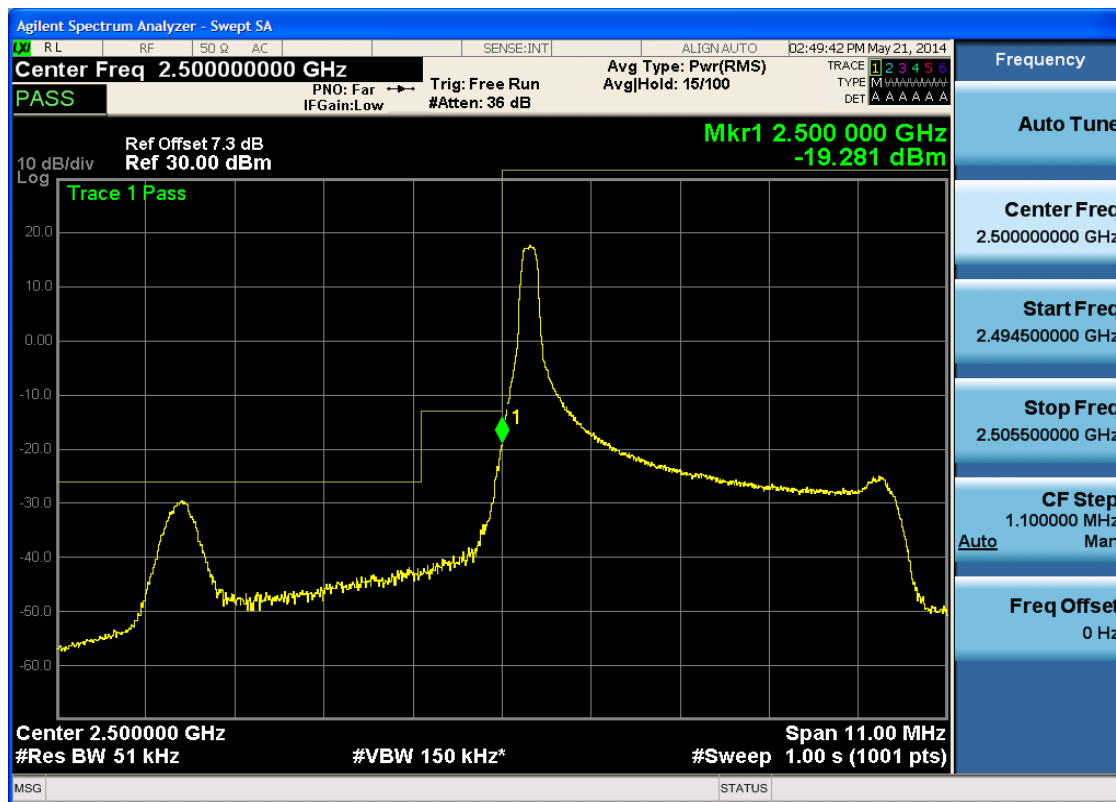


5.3.4.2 Test Mode = LTE/TM2

5.3.4.2.1 Test Bandwidth = 5

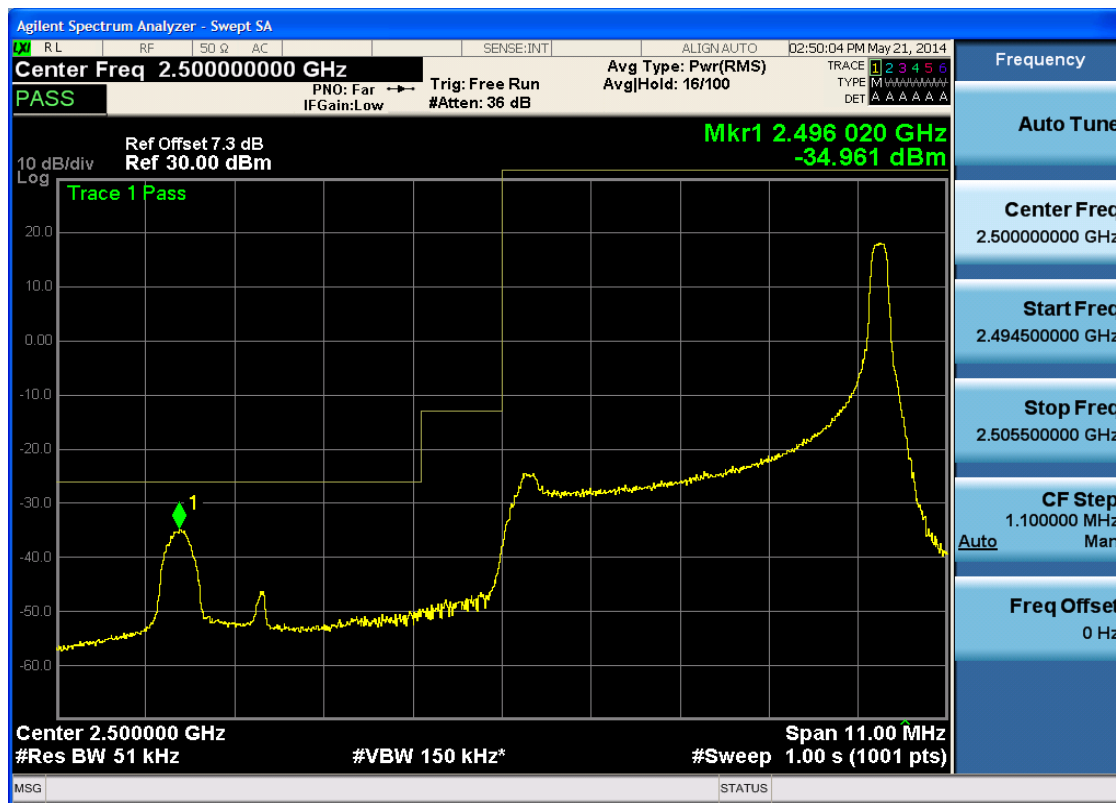
5.3.4.2.1.1 Test Channel = LCH

5.3.4.2.1.1.1 Test RB = RB1#0





5.3.4.2.1.1.2 Test RB = RB1#24





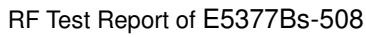
5.3.4.2.1.1.3 Test RB = RB12#6



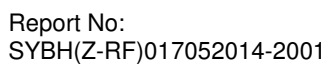


5.3.4.2.1.1.4 Test RB = RB25#0



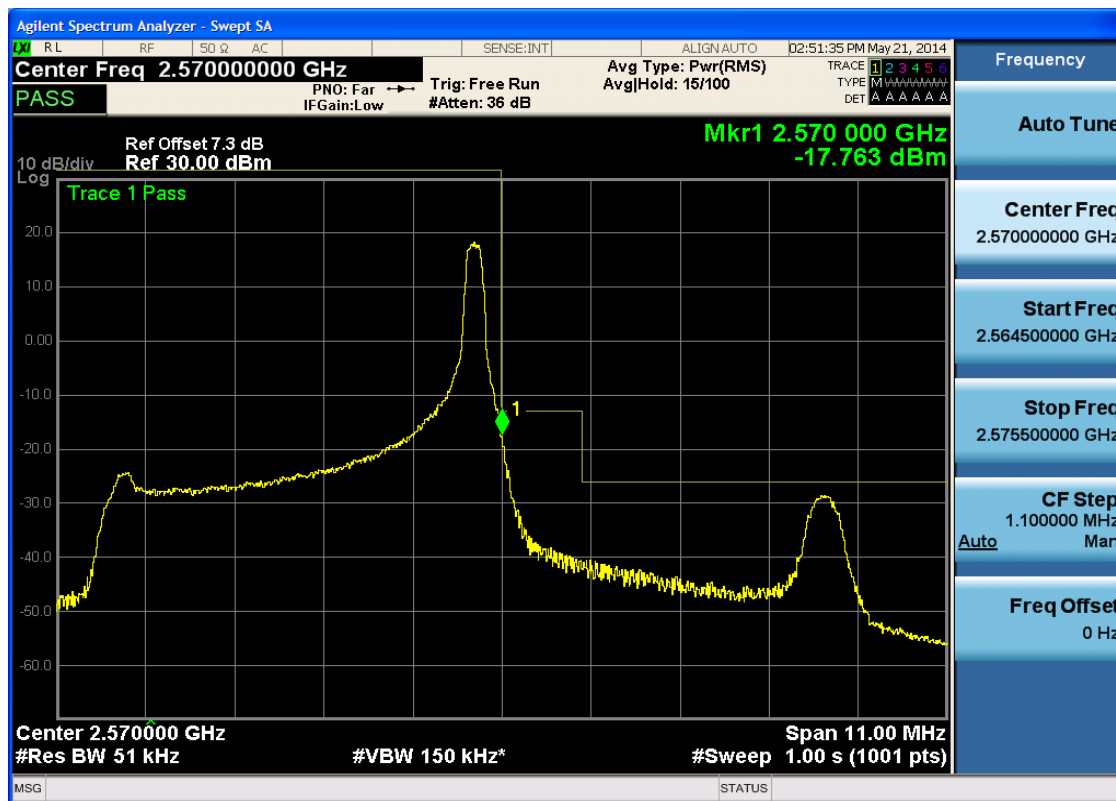


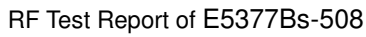
5.3.4.2.1.2.1 Test RB = RB1#0





5.3.4.2.1.2.2 Test RB = RB1#24





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Q AC SENSE:INT ALIGN:AUTO 02:51:56 PM May 21, 2014

Center Freq 2.57000000 GHz Avg Type: Pwr(RMS) Trace 1 2 3 4 5 6
PASS PNO: Far Trig: Free Run Avg|Hold: 15/100 TYPE: M W W W W W W W W W
IFGain: Low #Atten: 36 dB DET: A A A A A A

Ref Offset 7.3 dB Mkr1 2.570 010 GHz
Ref 30.00 dBm -29.335 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.570000 GHz Span 11.00 MHz
#Res BW 51 kHz #VBW 150 kHz* #Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.570000000 GHz

Start Freq
2.564500000 GHz

Stop Freq
2.575500000 GHz

CF Step
1.100000 MHz
Auto Man

Freq Offset
0 Hz



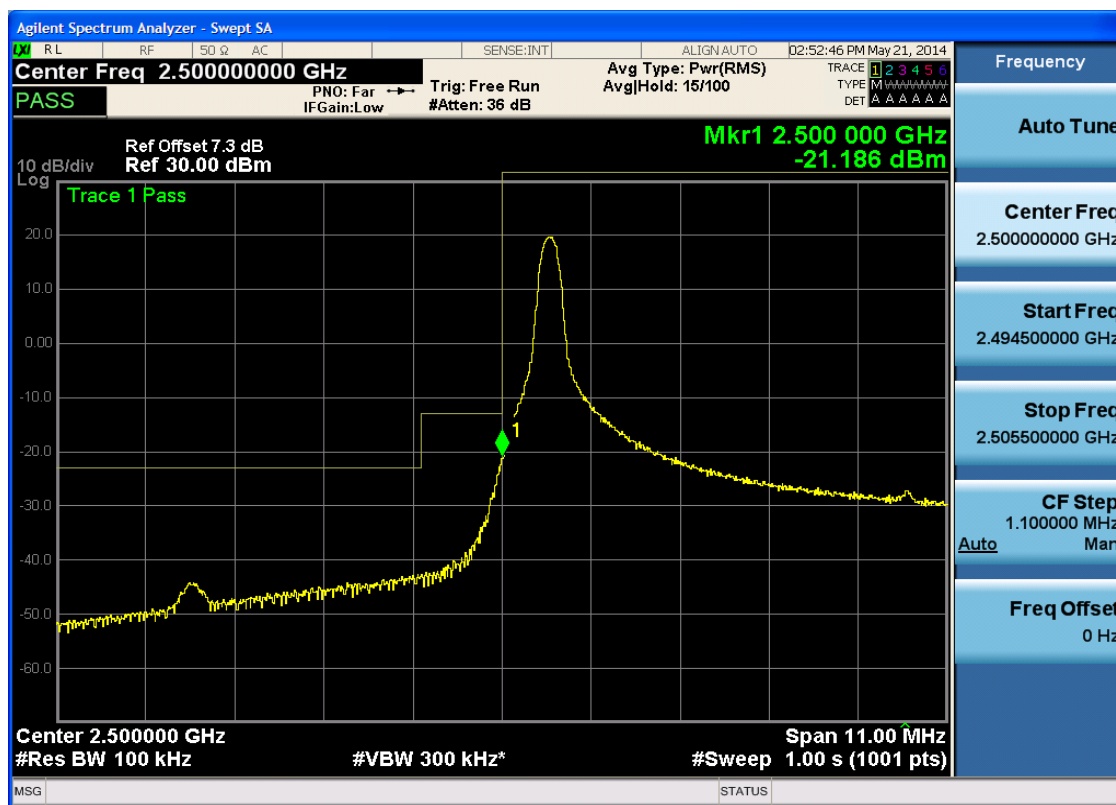
5.3.4.2.1.2.4 Test RB = RB25#0



5.3.4.2.2 Test Bandwidth = 10

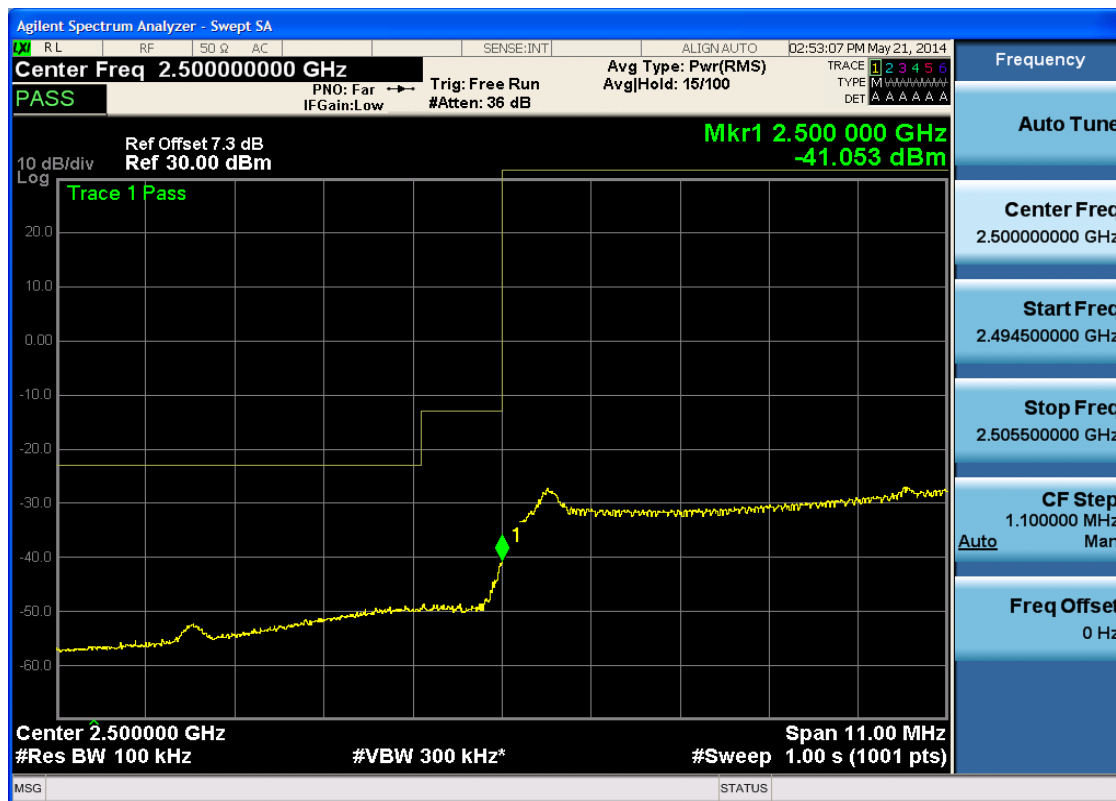
5.3.4.2.2.1 Test Channel = LCH

5.3.4.2.2.1.1 Test RB = RB1#0



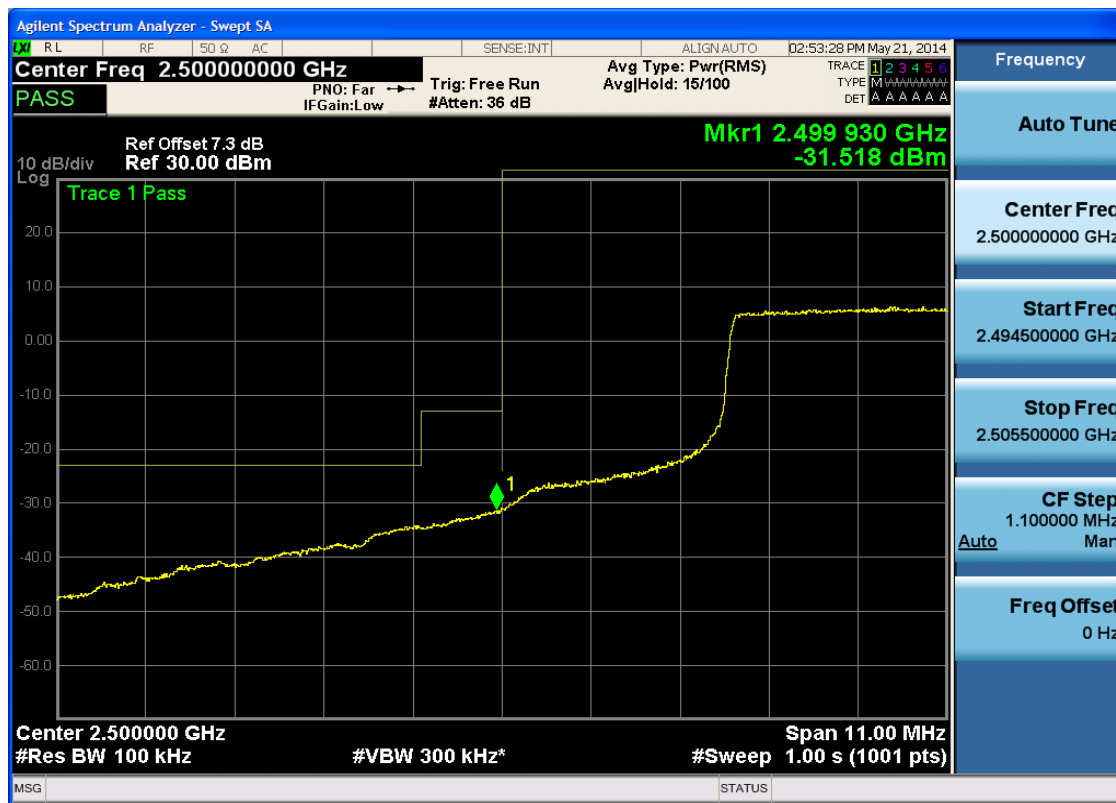


5.3.4.2.2.1.2 Test RB = RB1#49





5.3.4.2.2.1.3 Test RB = RB25#13





5.3.4.2.2.1.4 Test RB = RB50#0





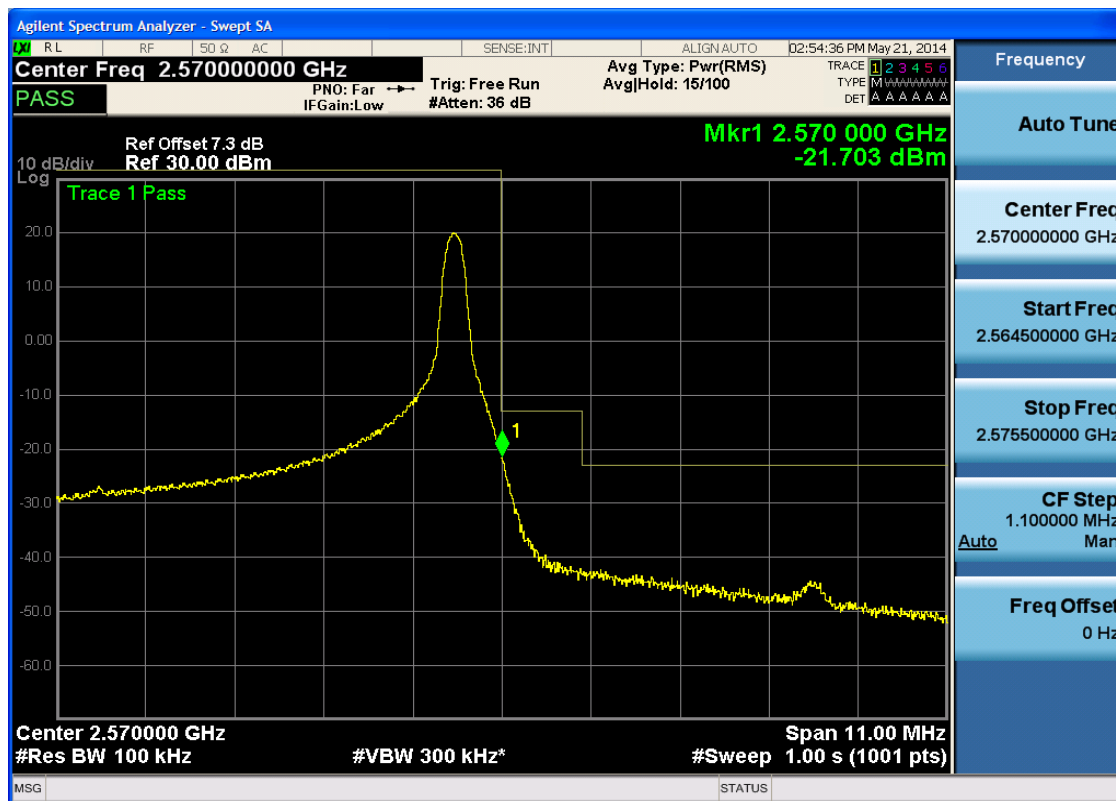
5.3.4.2.2.2 Test Channel = HCH

5.3.4.2.2.2.1 Test RB = RB1#0





5.3.4.2.2.2 Test RB = RB1#49





5.3.4.2.2.3 Test RB = RB25#13





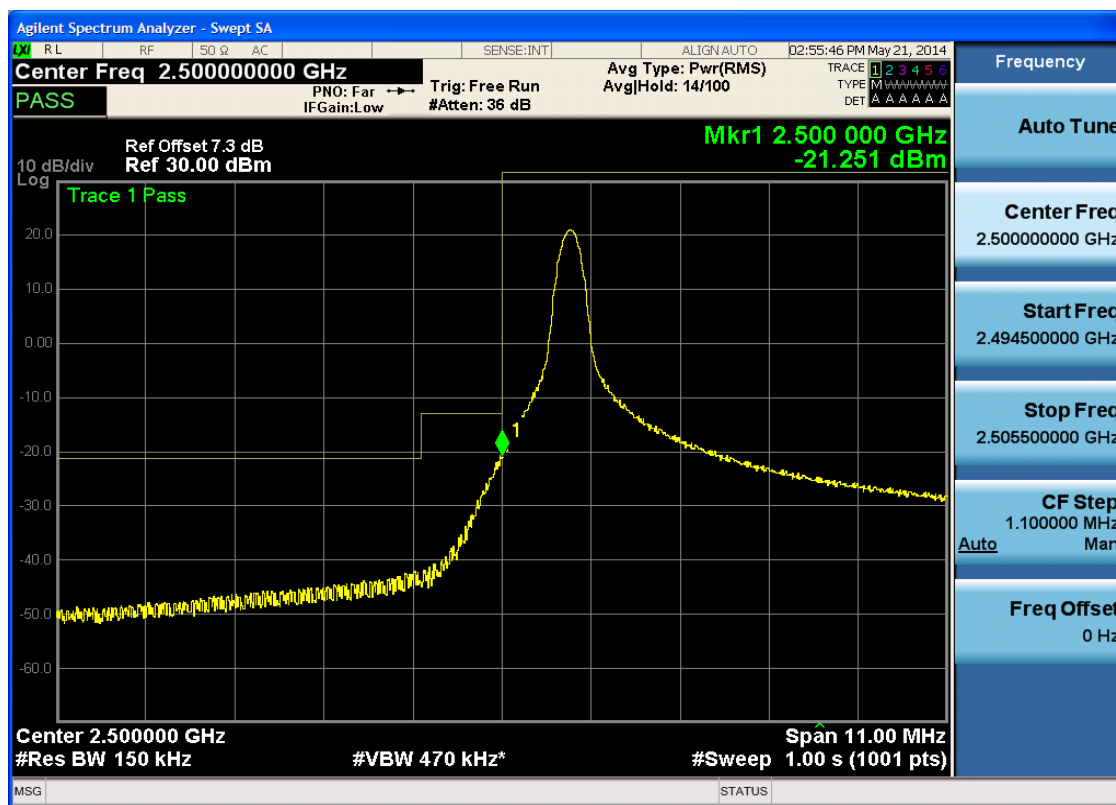
5.3.4.2.2.4 Test RB = RB50#0



5.3.4.2.3 Test Bandwidth = 15

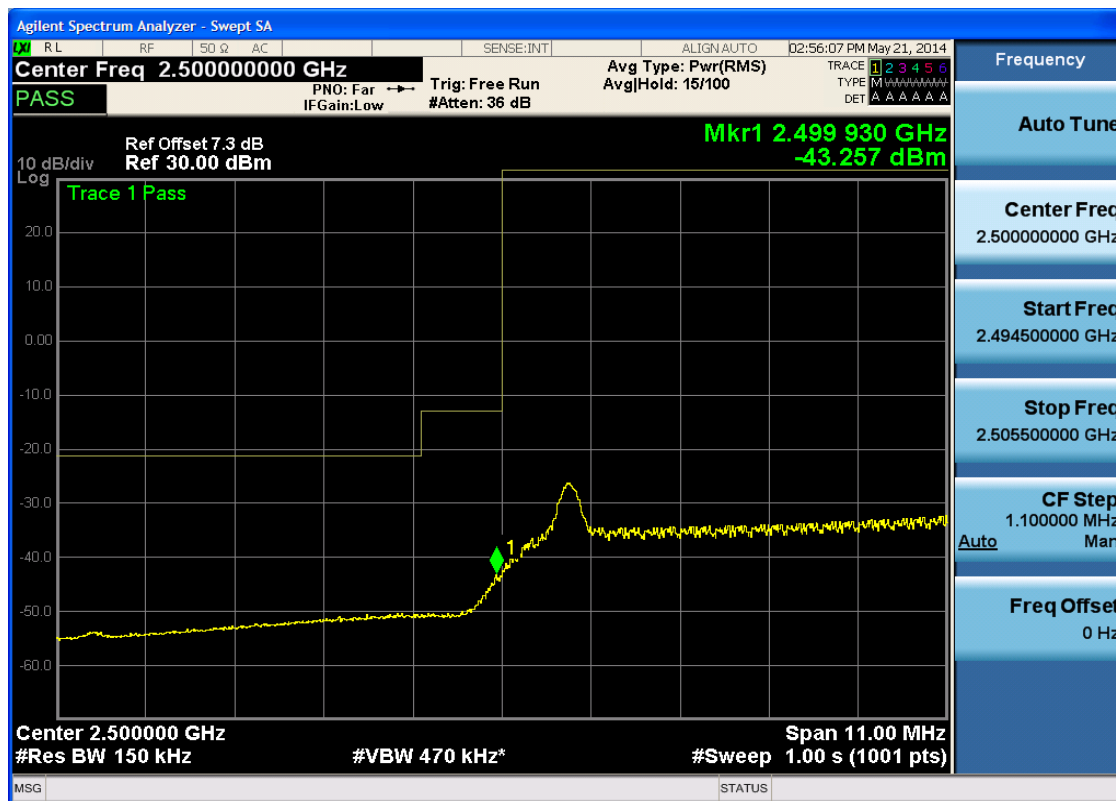
5.3.4.2.3.1 Test Channel = LCH

5.3.4.2.3.1.1 Test RB = RB1#0



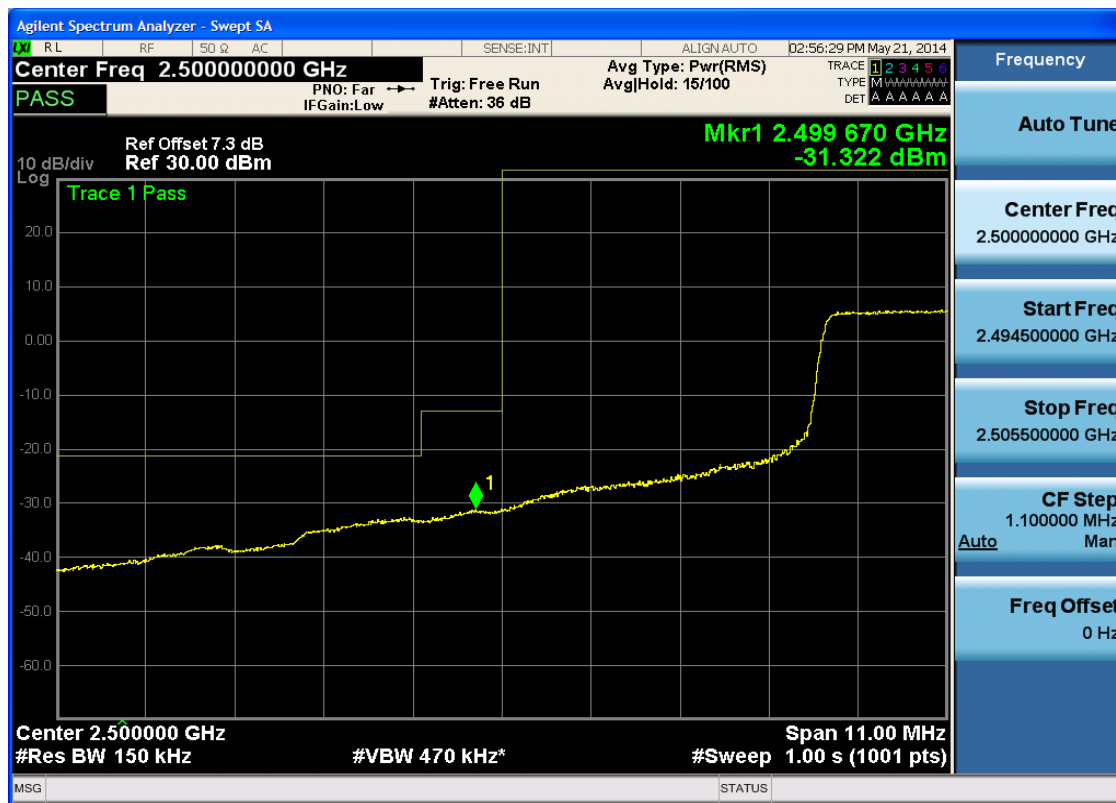


5.3.4.2.3.1.2 Test RB = RB1#74



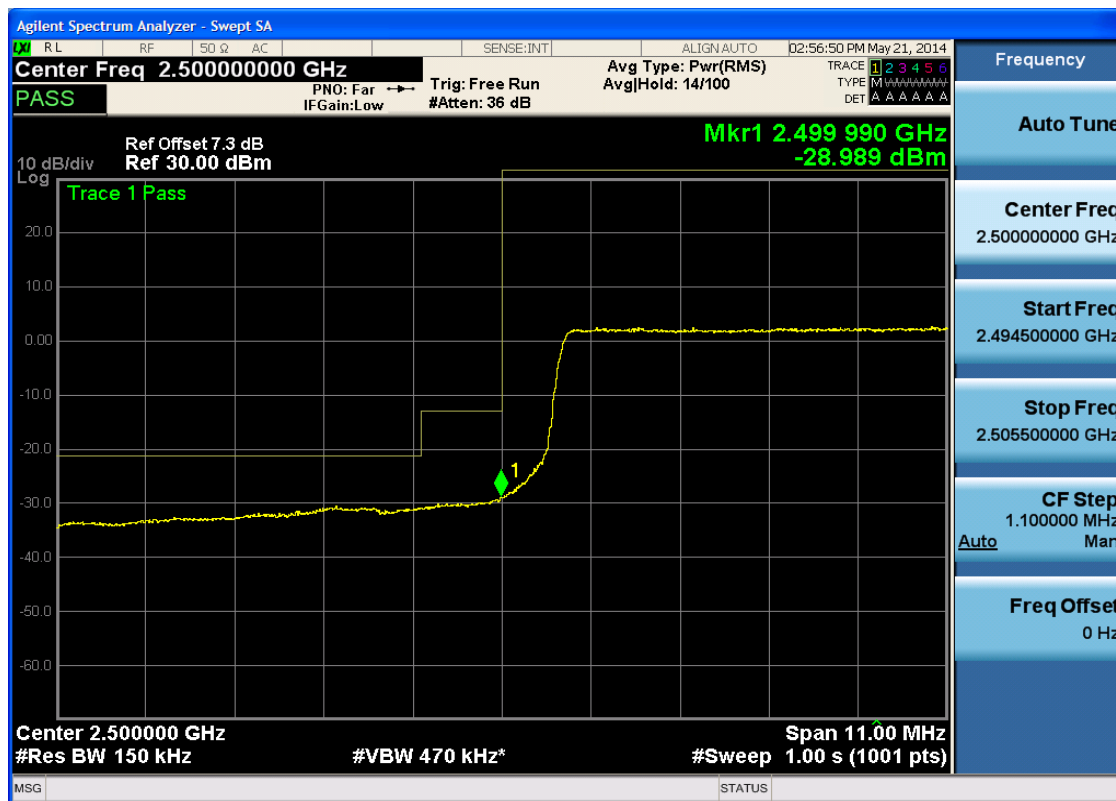


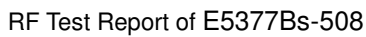
5.3.4.2.3.1.3 Test RB = RB36#18



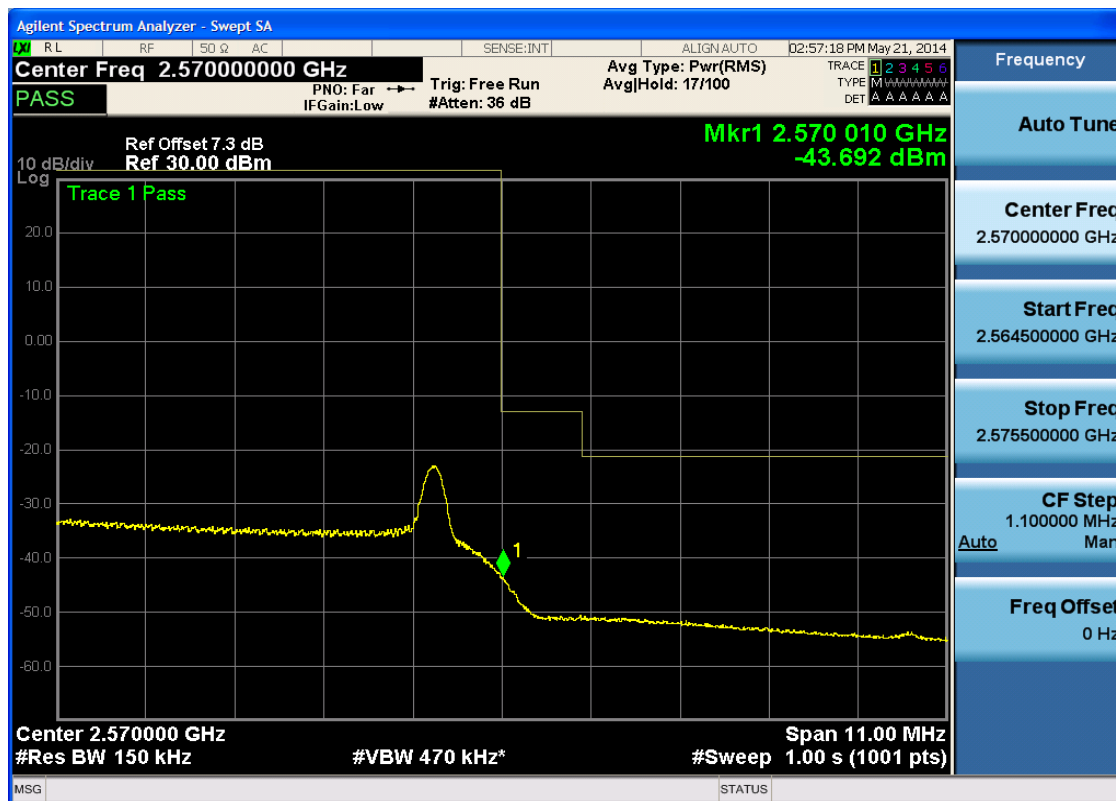


5.3.4.2.3.1.4 Test RB = RB75#0



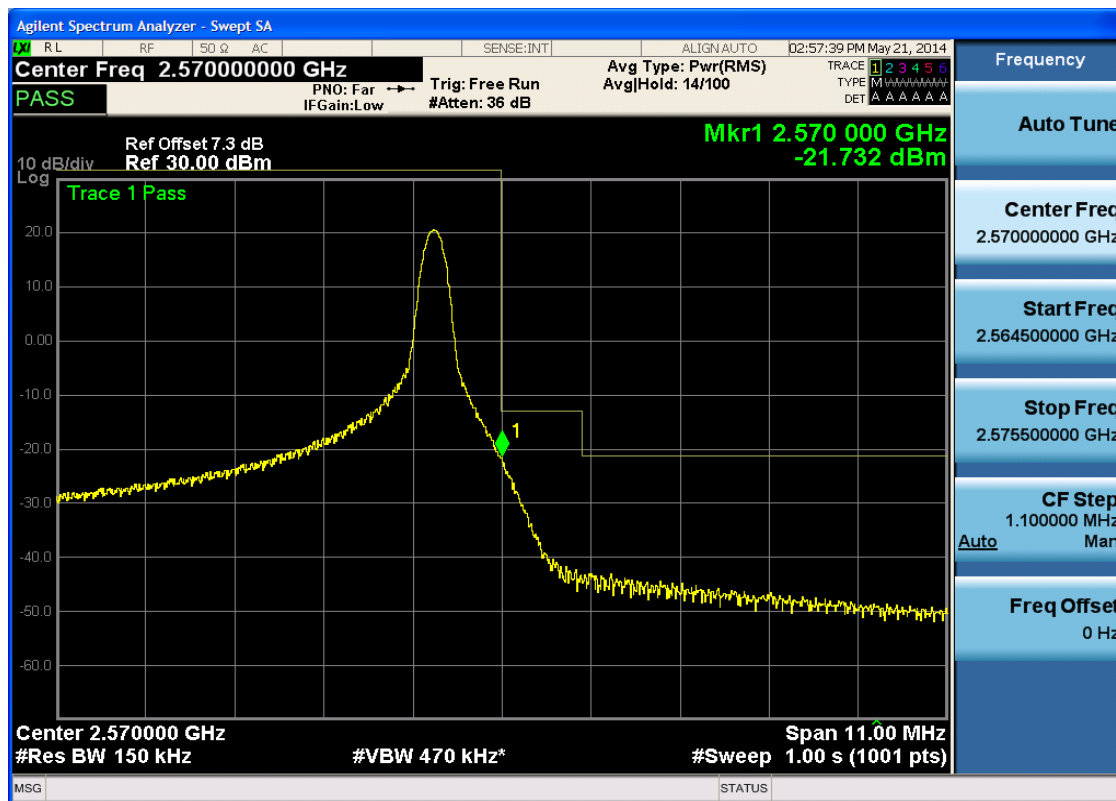


5.3.4.2.3.2.1 Test RB = RB1#0





5.3.4.2.3.2.2 Test RB = RB1#74



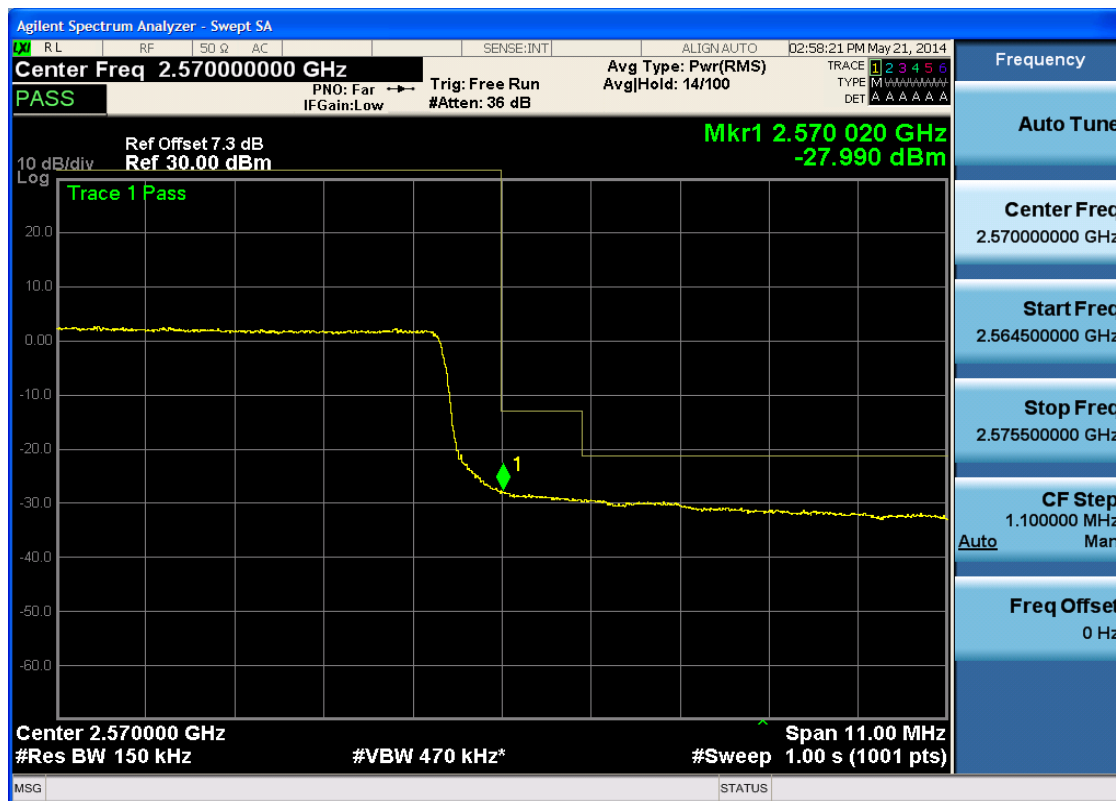


5.3.4.2.3.2.3 Test RB = RB36#18





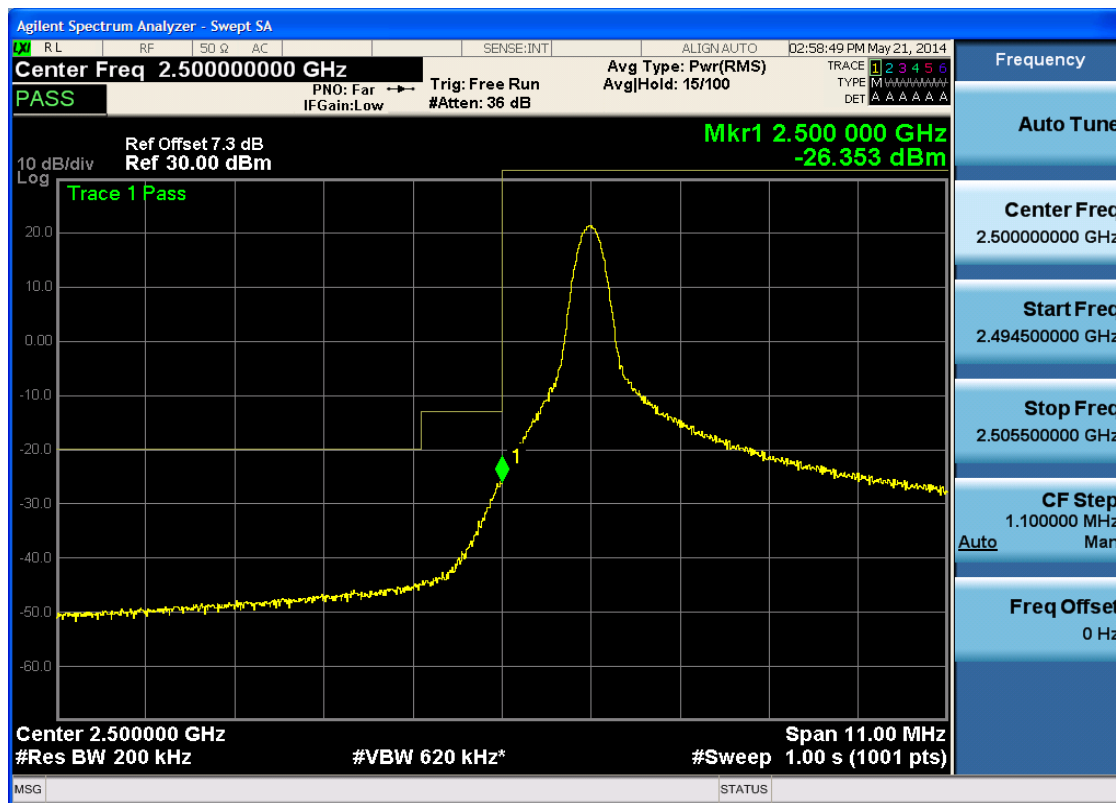
5.3.4.2.3.2.4 Test RB = RB75#0



5.3.4.2.4 Test Bandwidth = 20

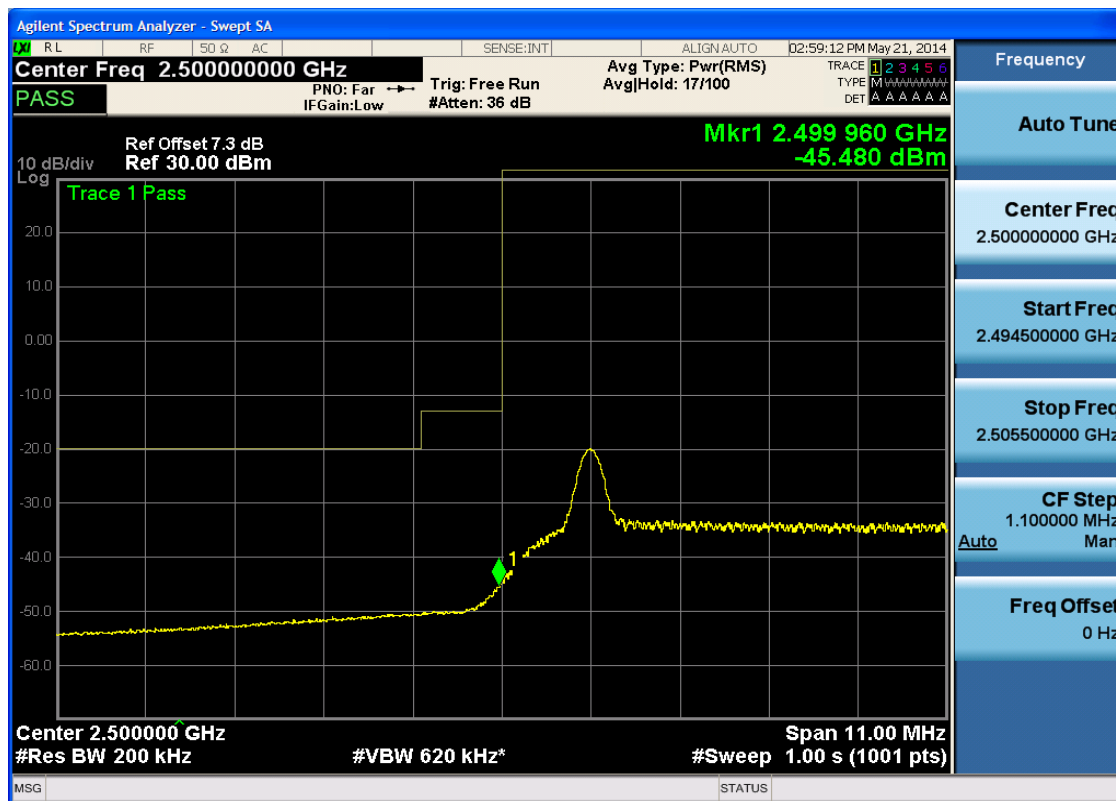
5.3.4.2.4.1 Test Channel = LCH

5.3.4.2.4.1.1 Test RB = RB1#0



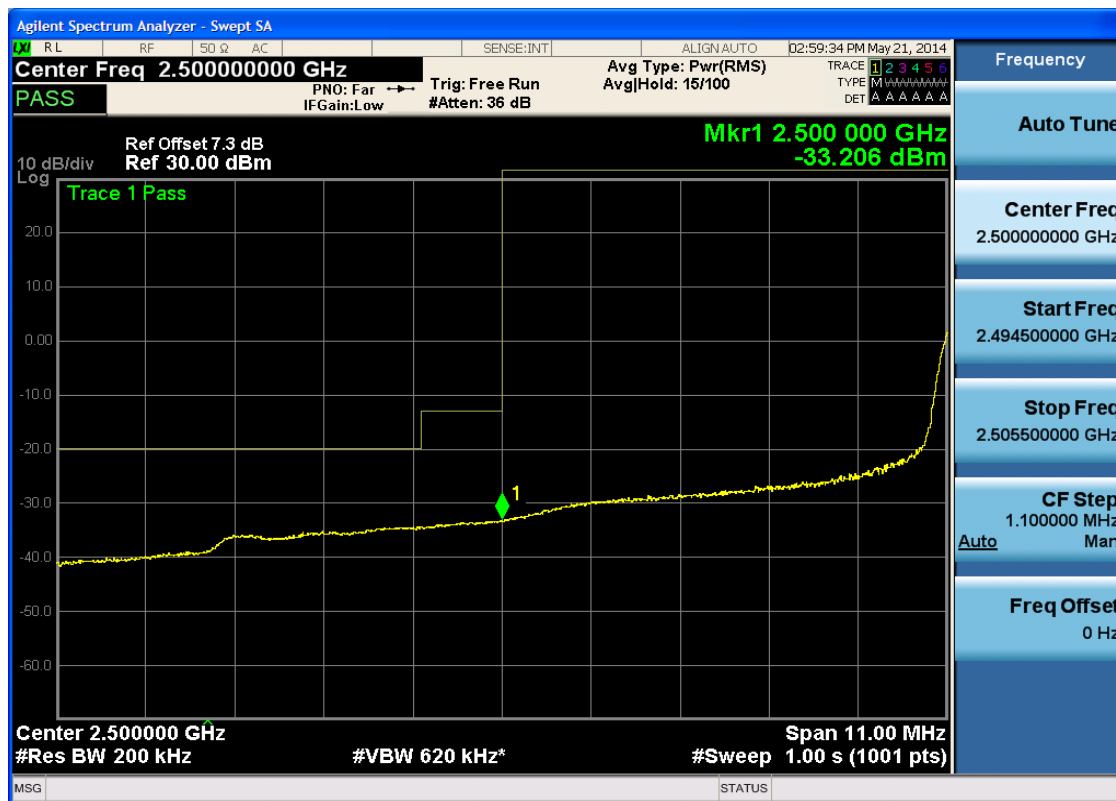


5.3.4.2.4.1.2 Test RB = RB1#99



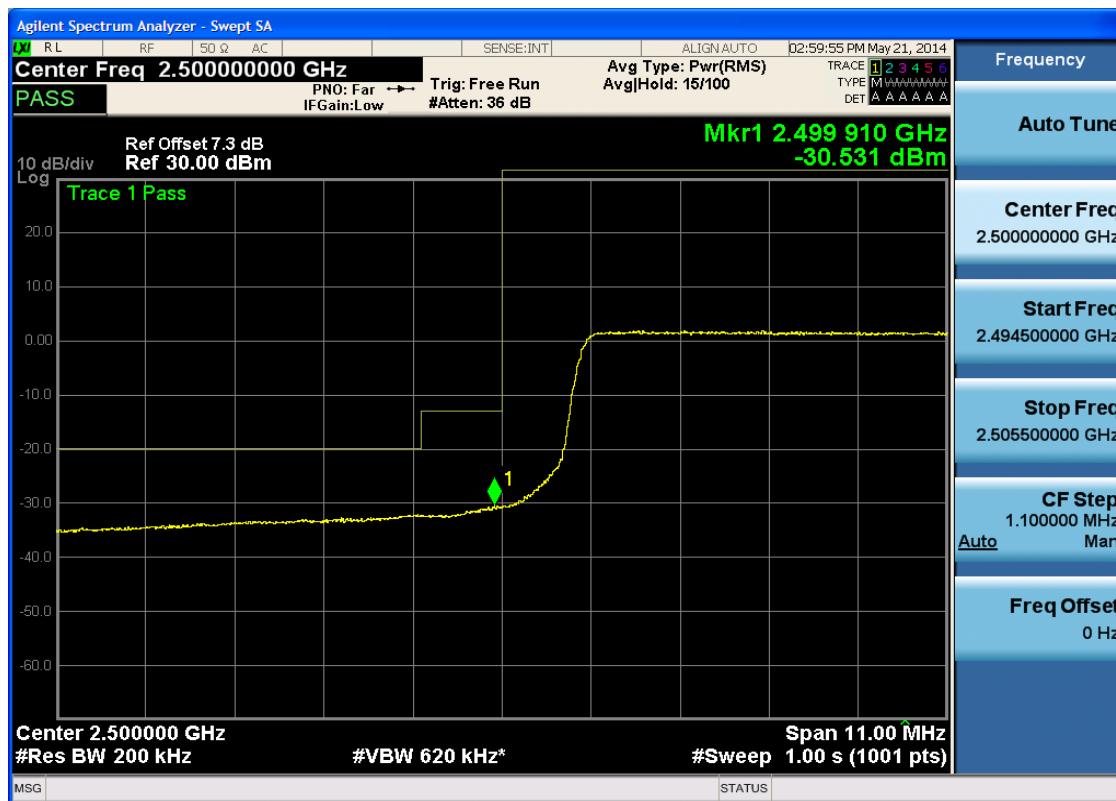


5.3.4.2.4.1.3 Test RB = RB50#25





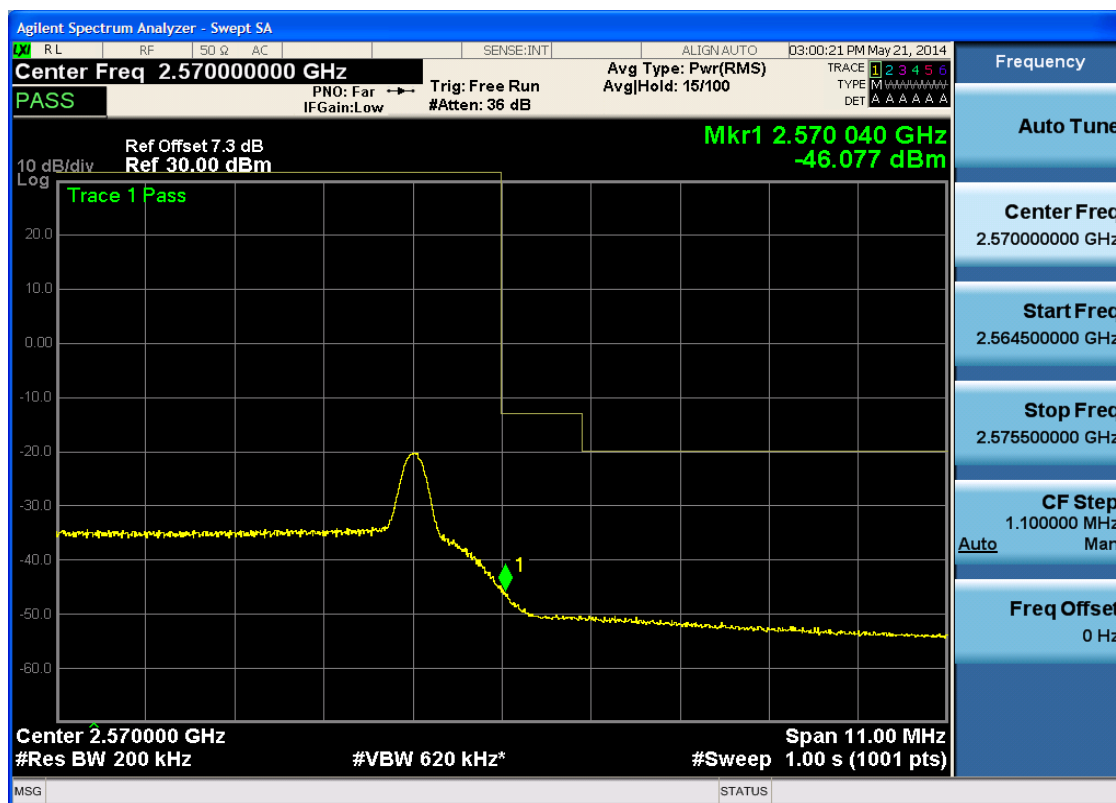
5.3.4.2.4.1.4 Test RB = RB100#0





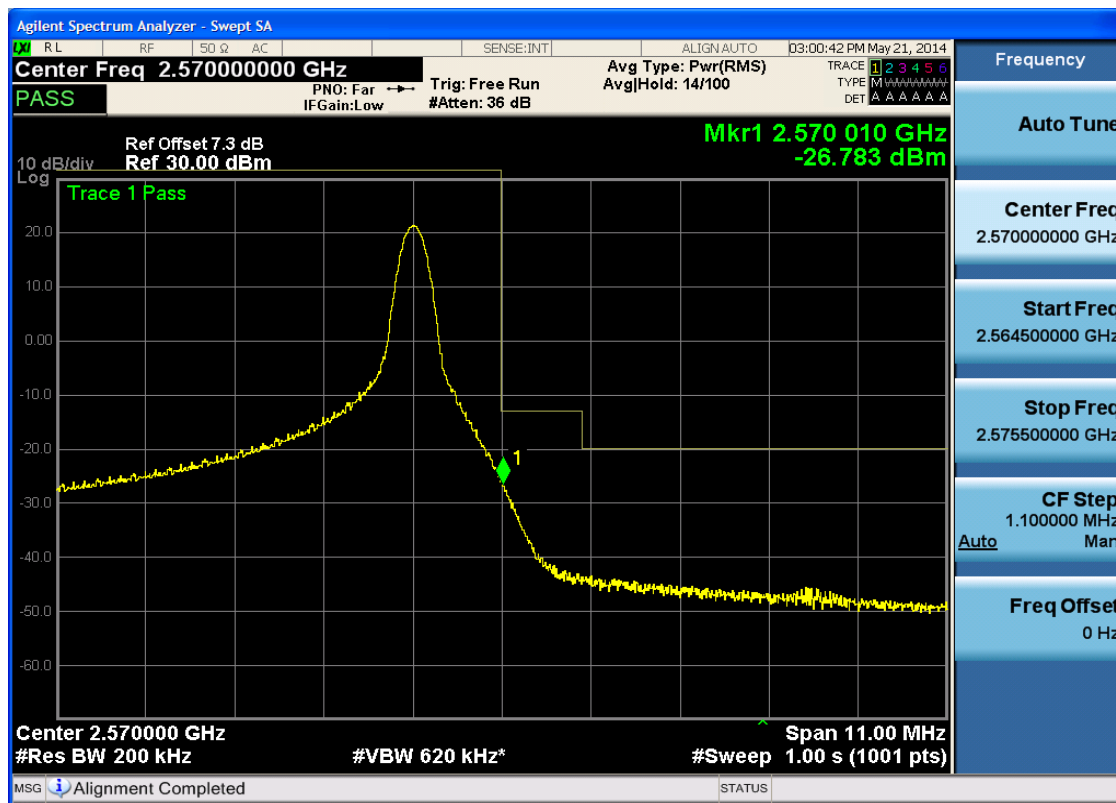
5.3.4.2.4.2 Test Channel = HCH

5.3.4.2.4.2.1 Test RB = RB1#0





5.3.4.2.4.2.2 Test RB = RB1#99





5.3.4.2.4.2.3 Test RB = RB50#25





5.3.4.2.4.2.4 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.

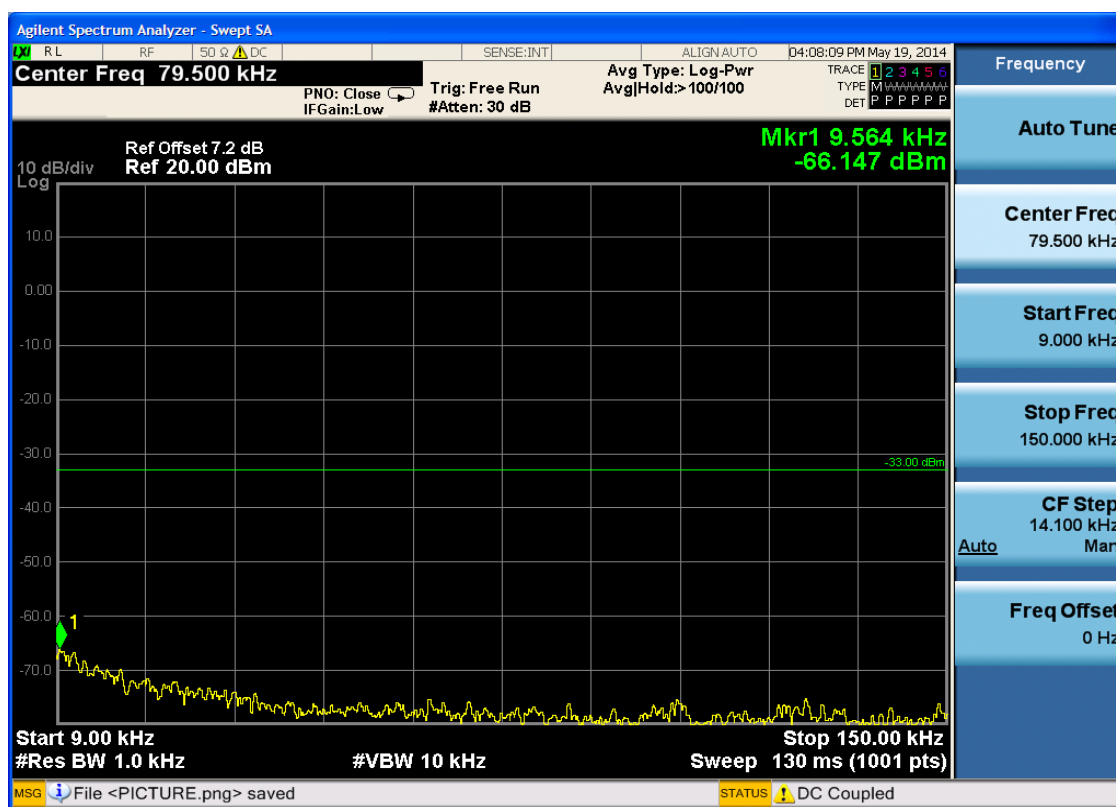
Part I - Test Plots

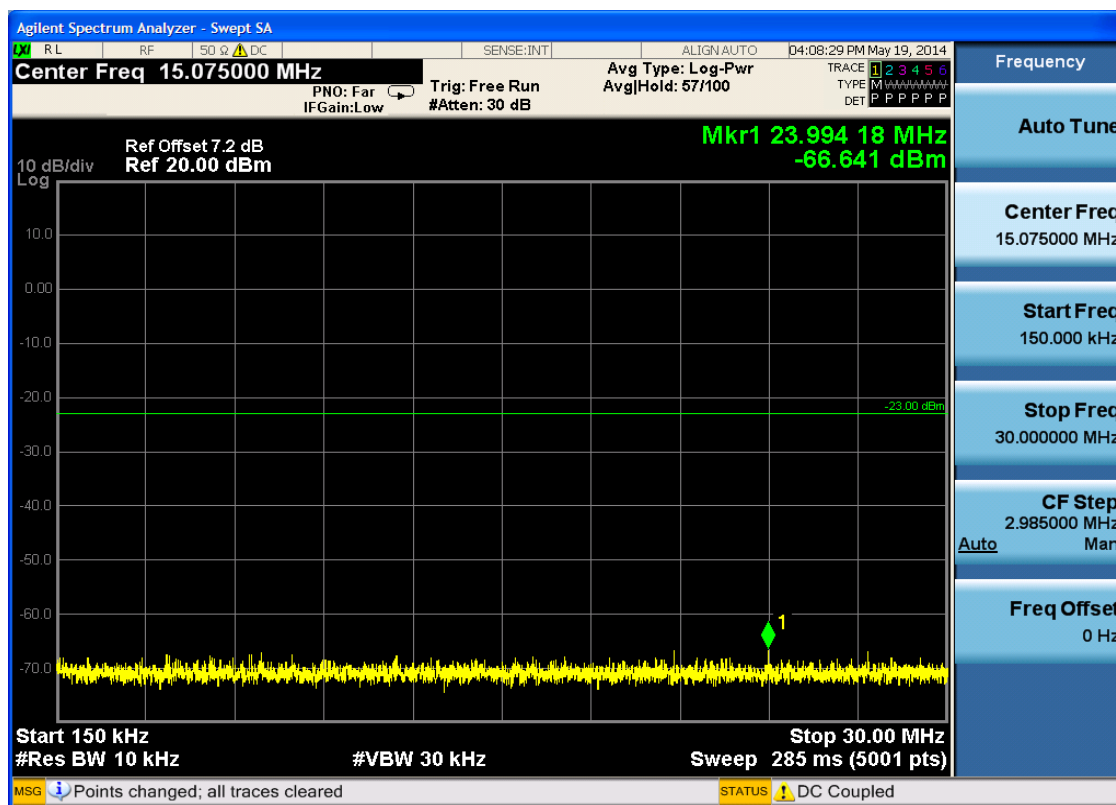
6.1 For GSM

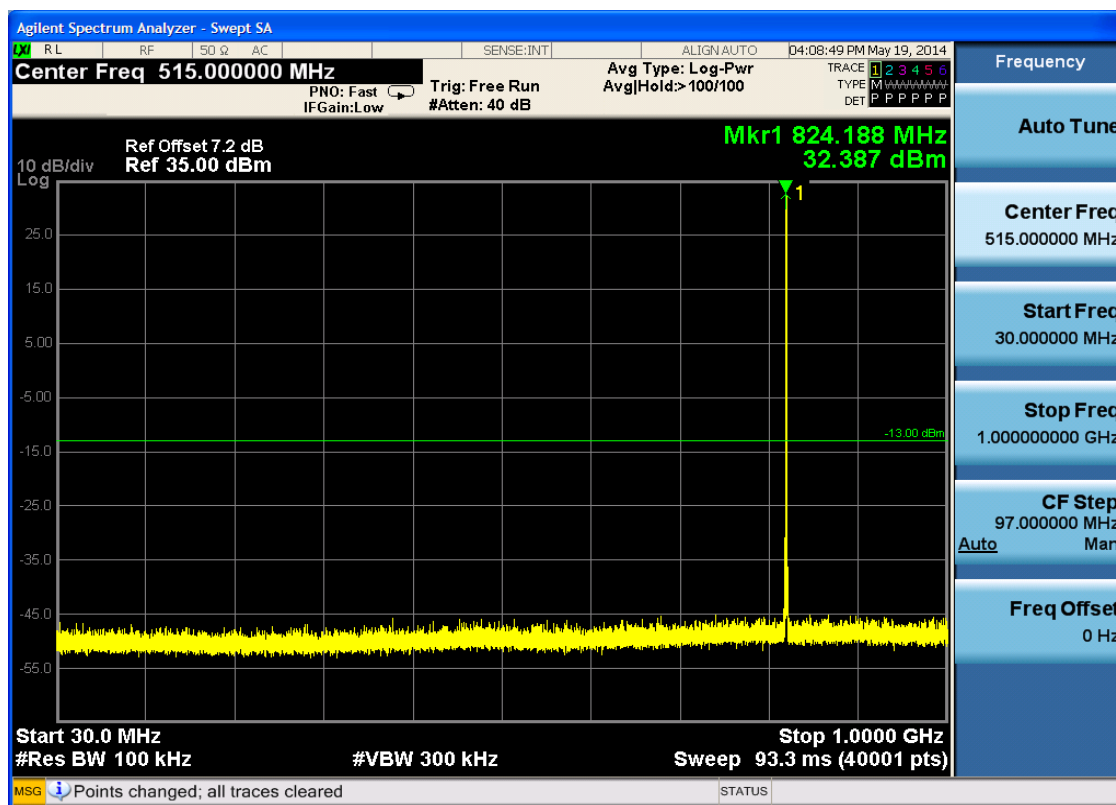
6.1.1 Test Band = GSM850

6.1.1.1 Test Mode = GSM/TM1

6.1.1.1.1 Test Channel = LCH



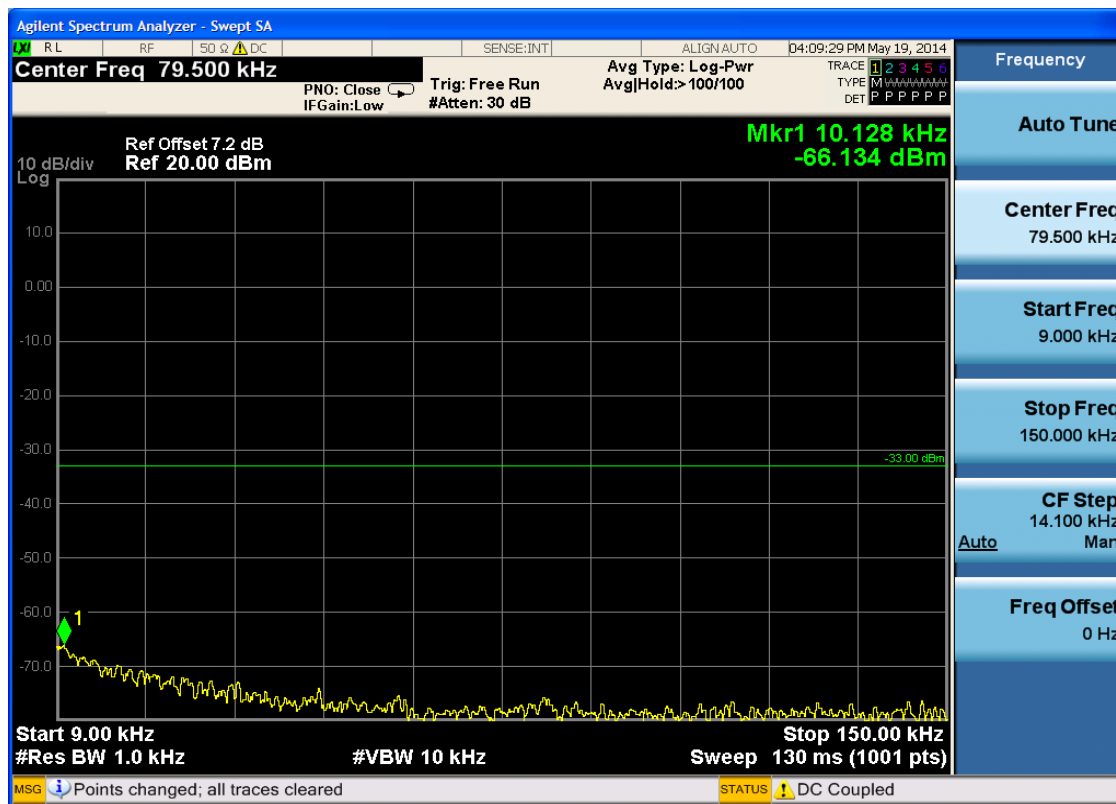


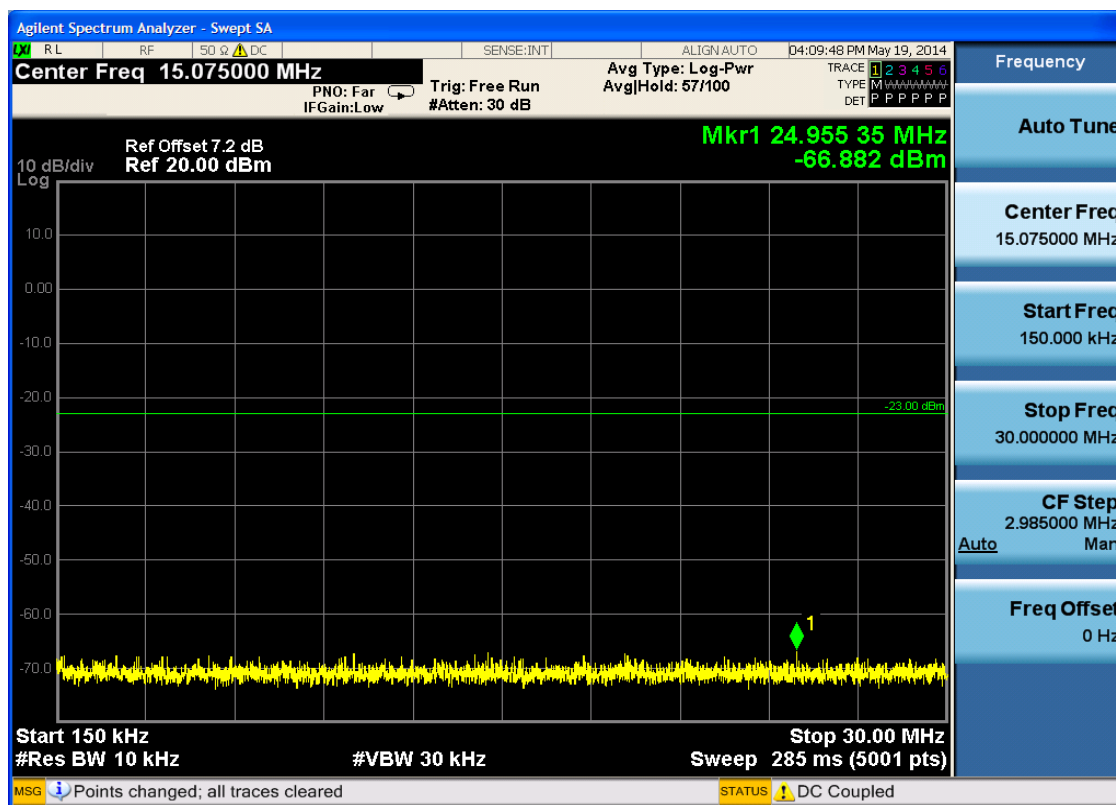


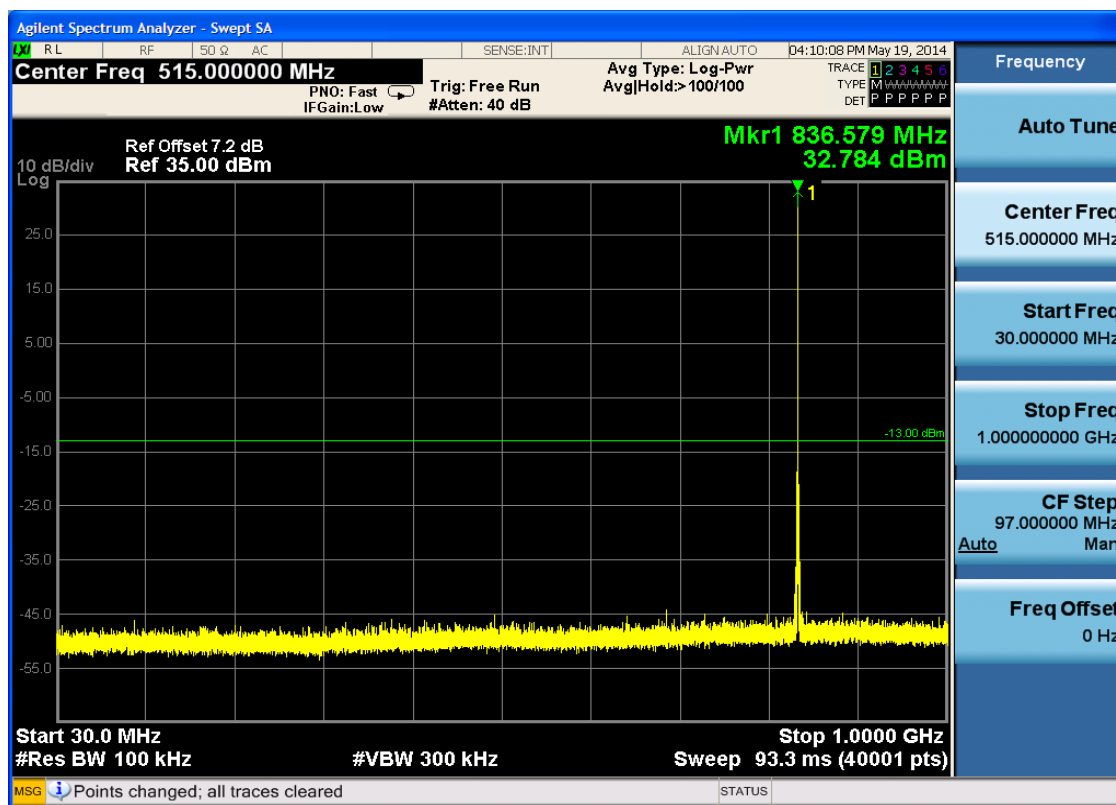


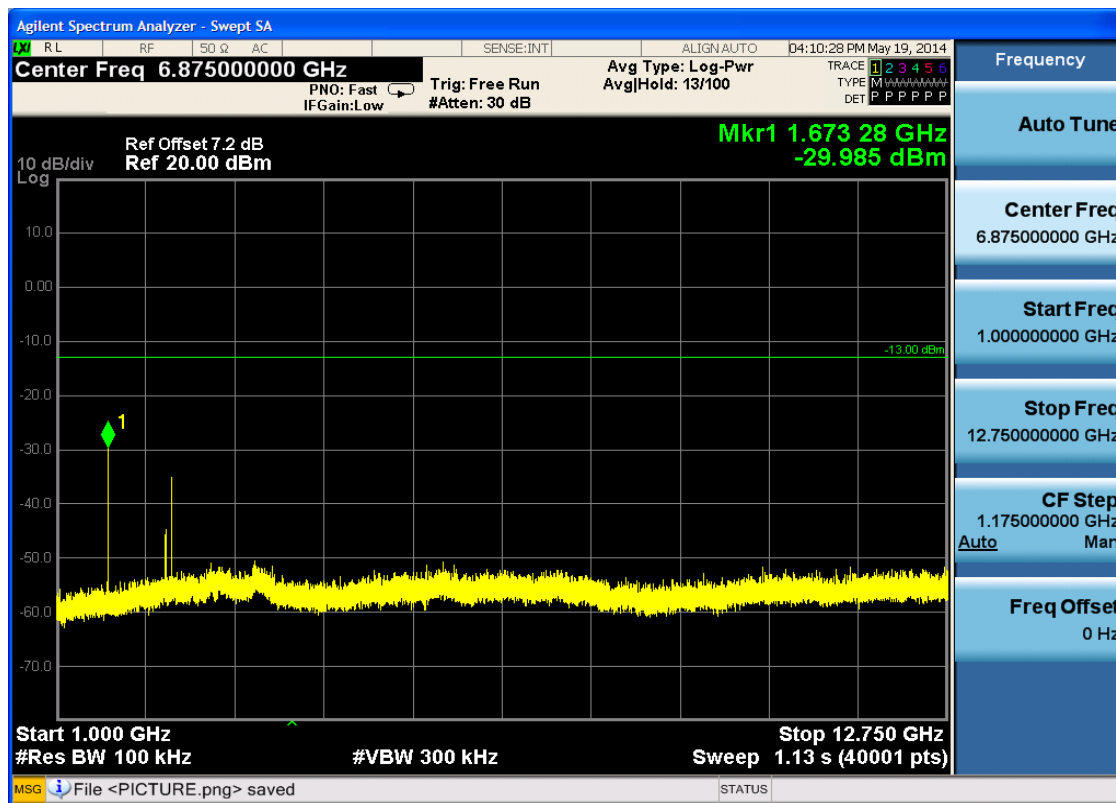


6.1.1.1.2 Test Channel = MCH



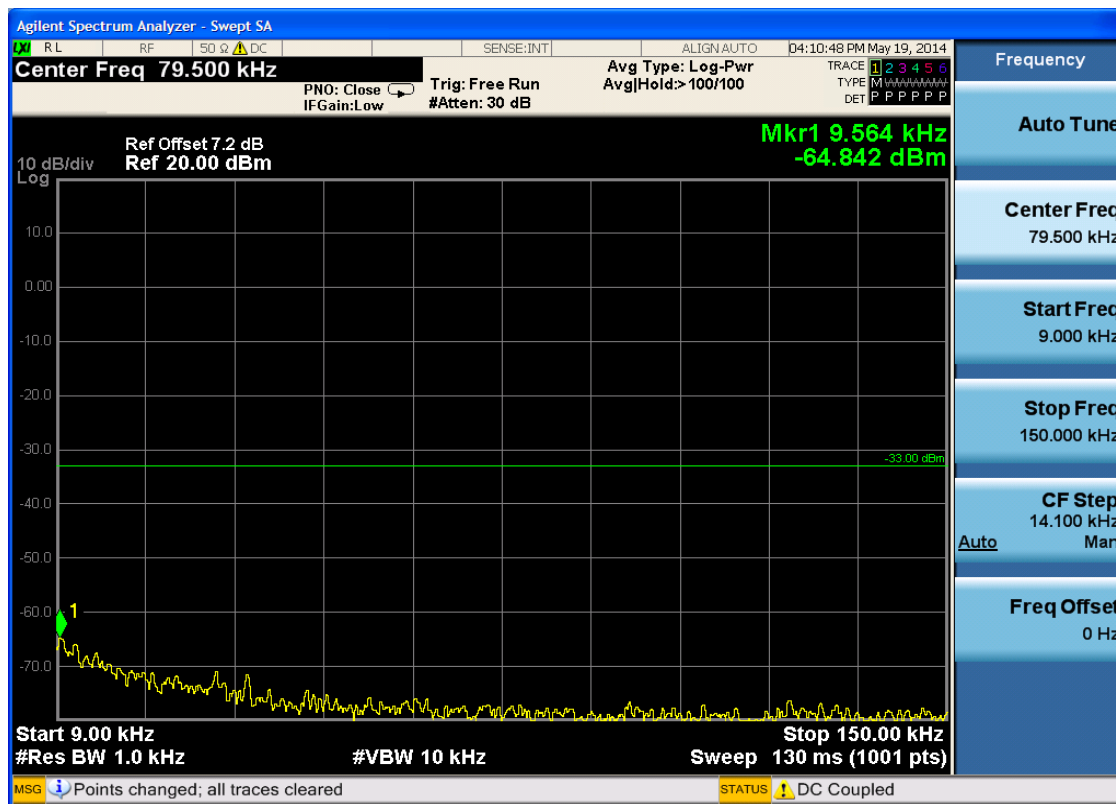


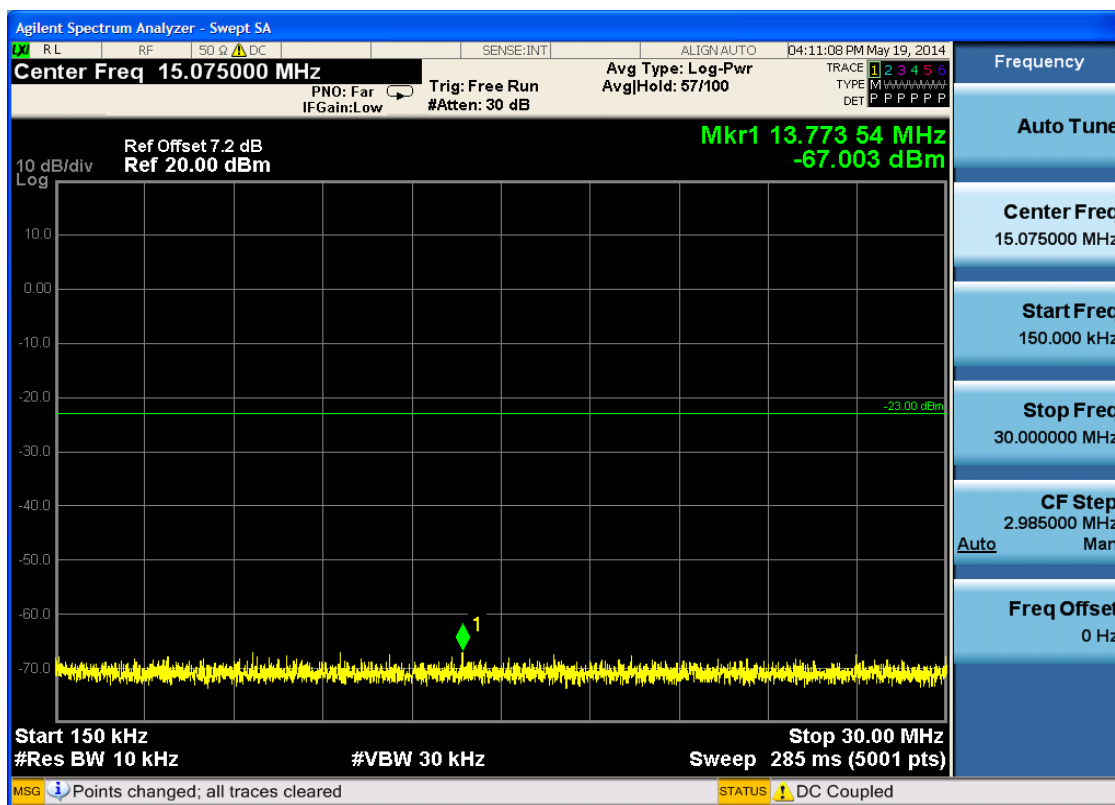


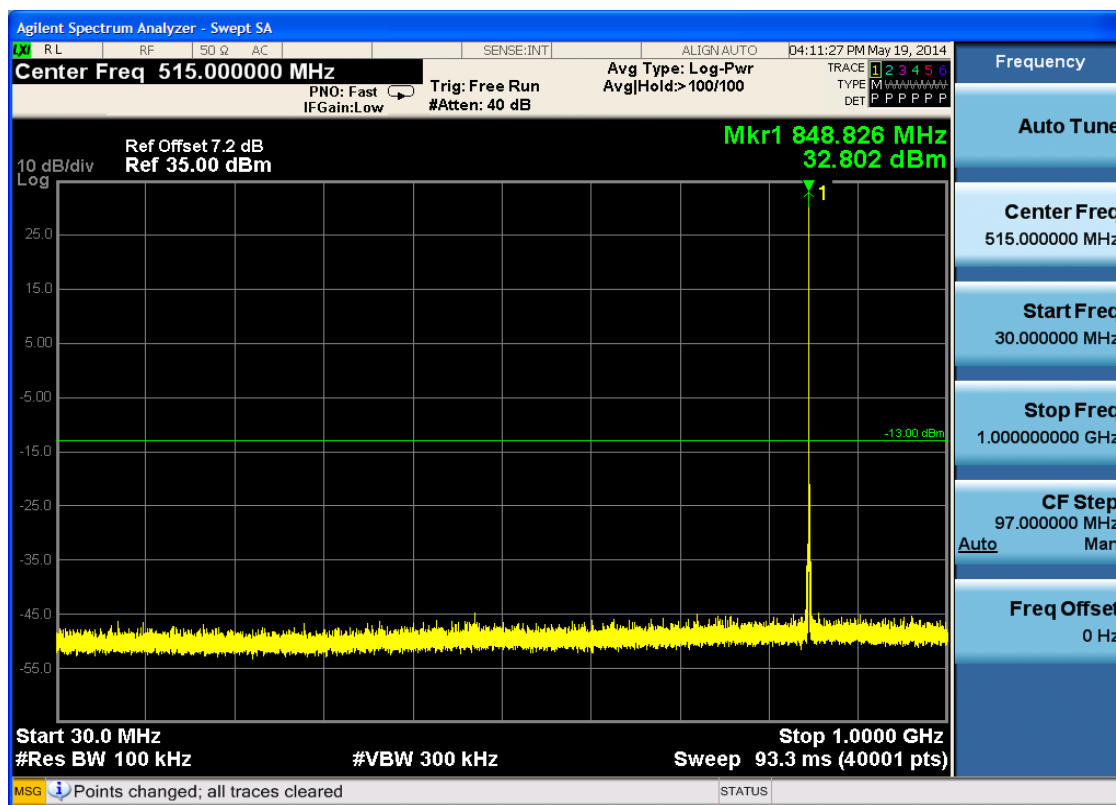


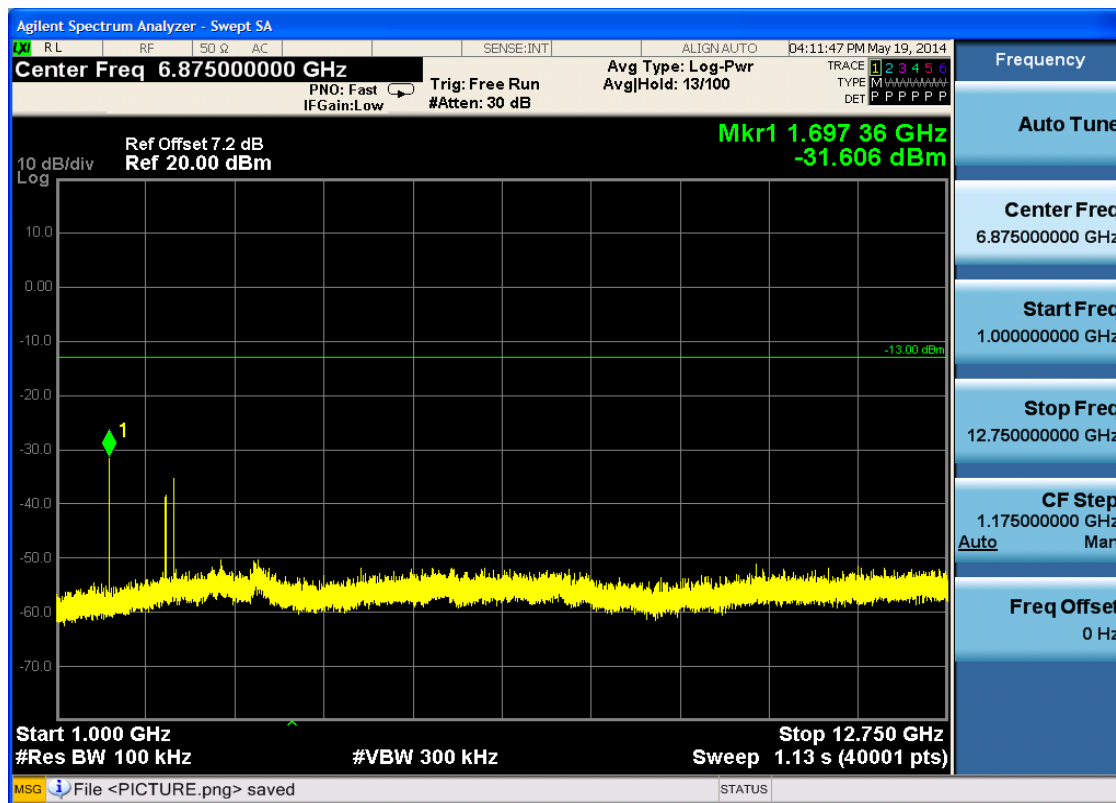


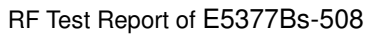
6.1.1.1.3 Test Channel = HCH



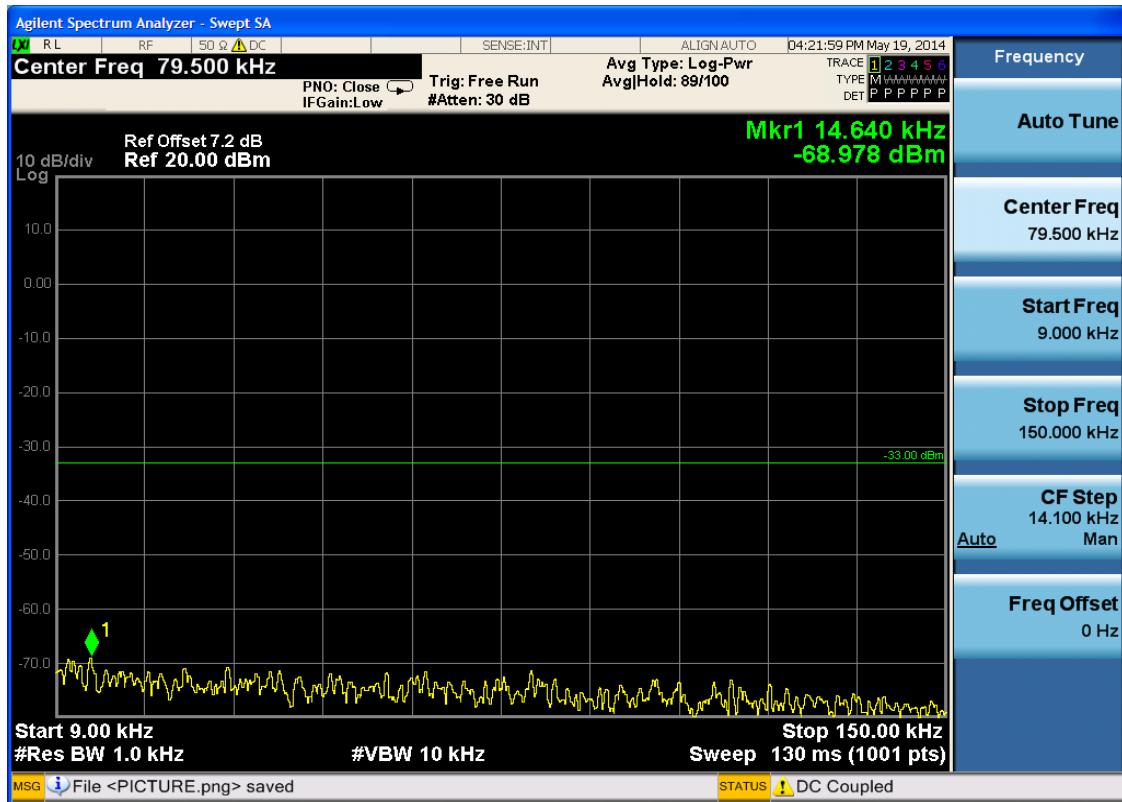


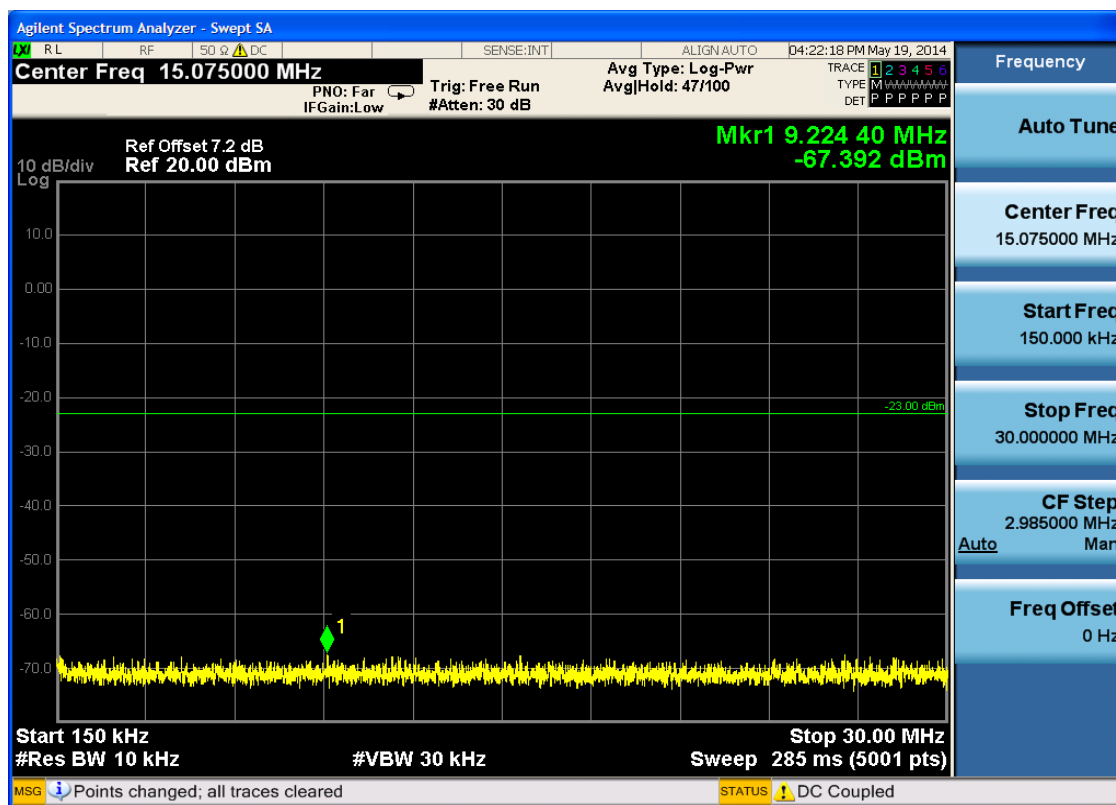


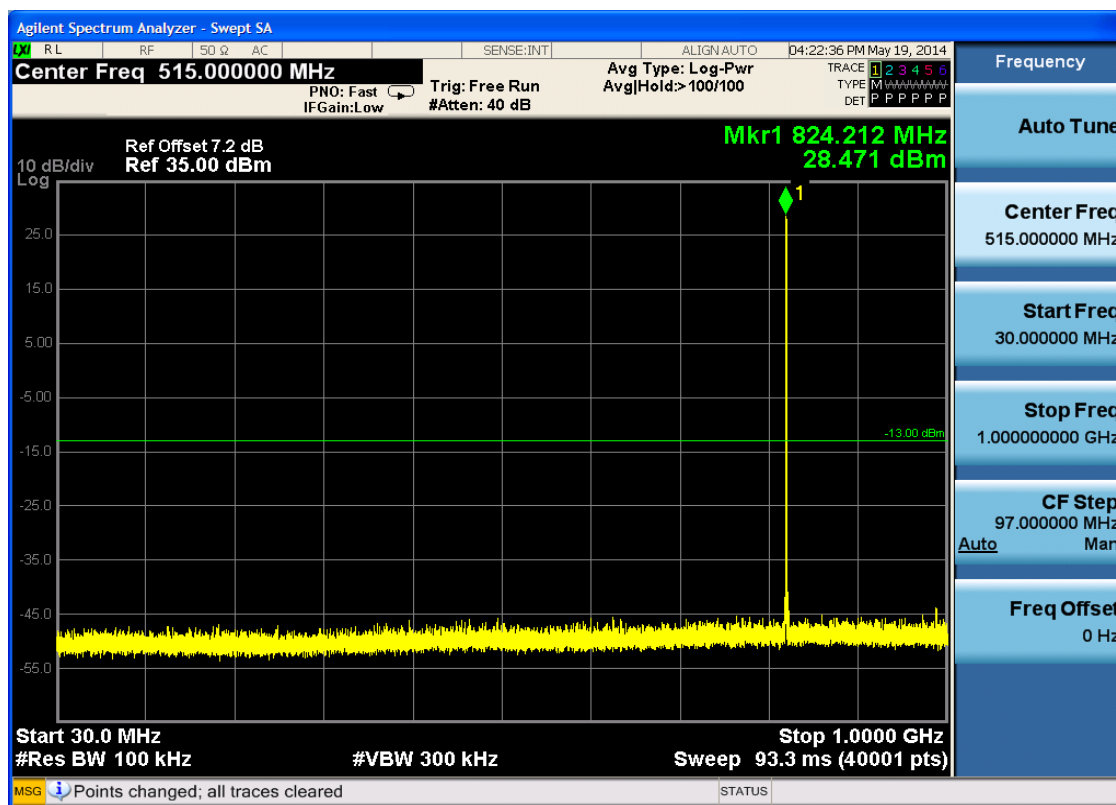


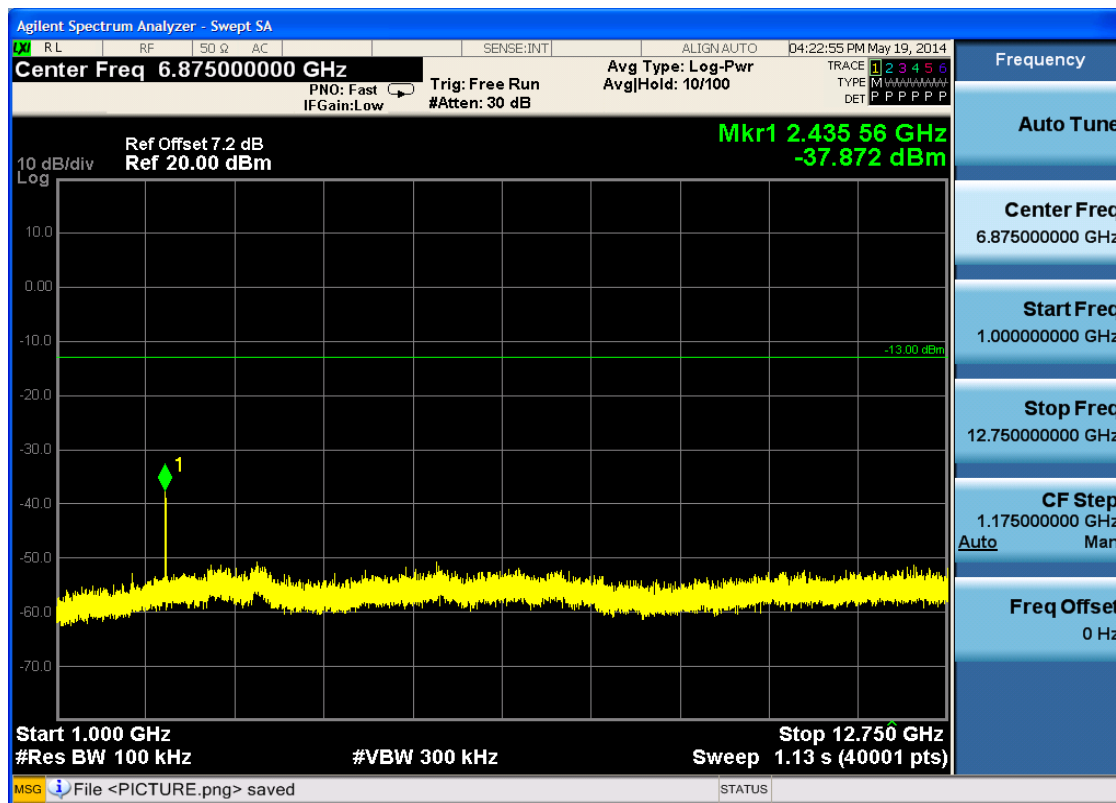


6.1.1.2.1 Test Channel = LCH



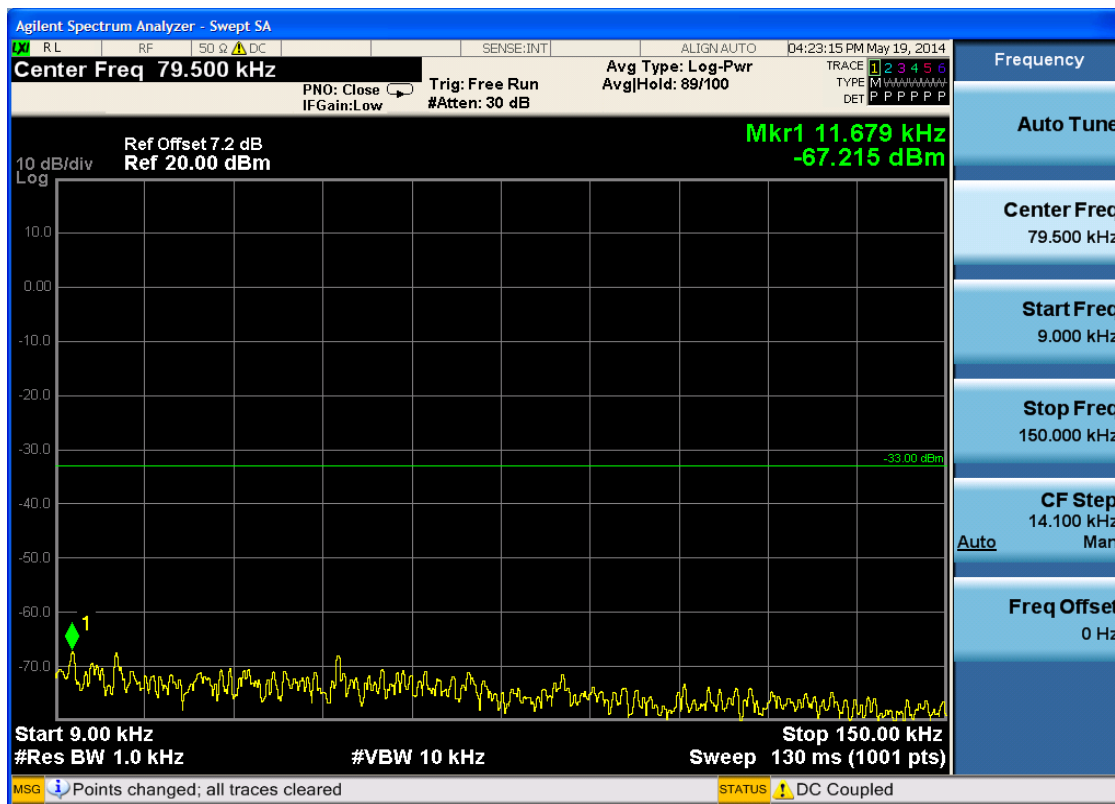


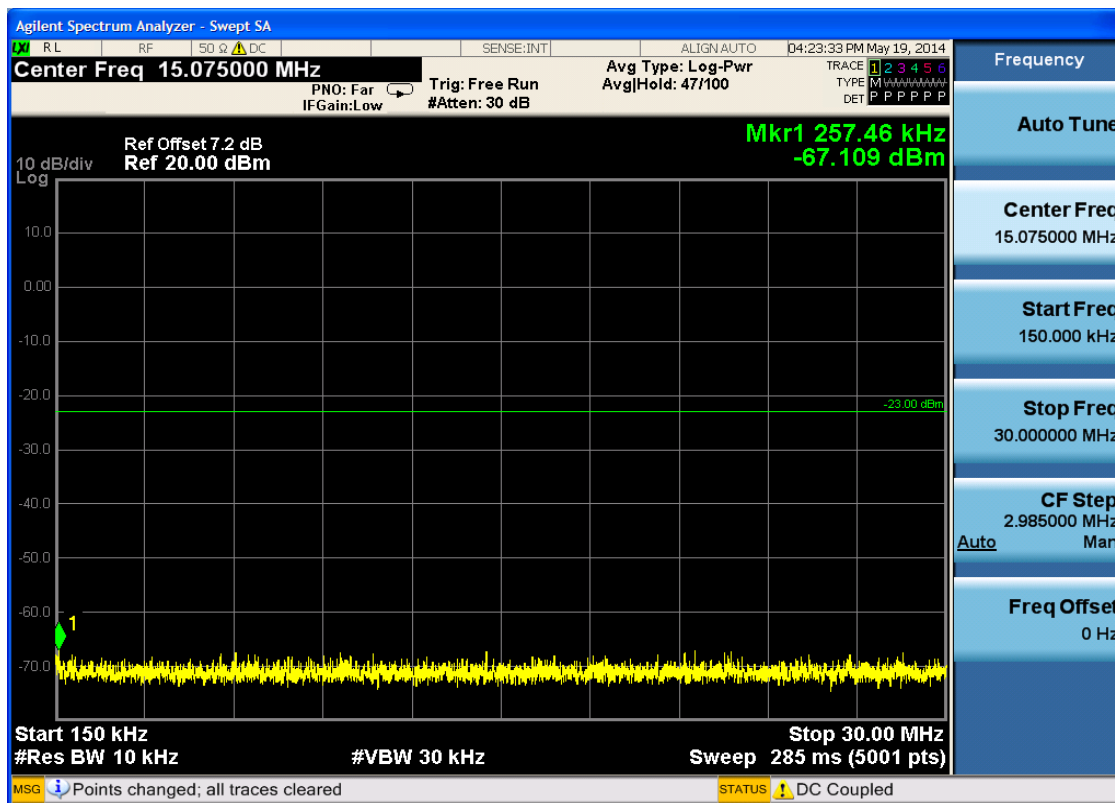


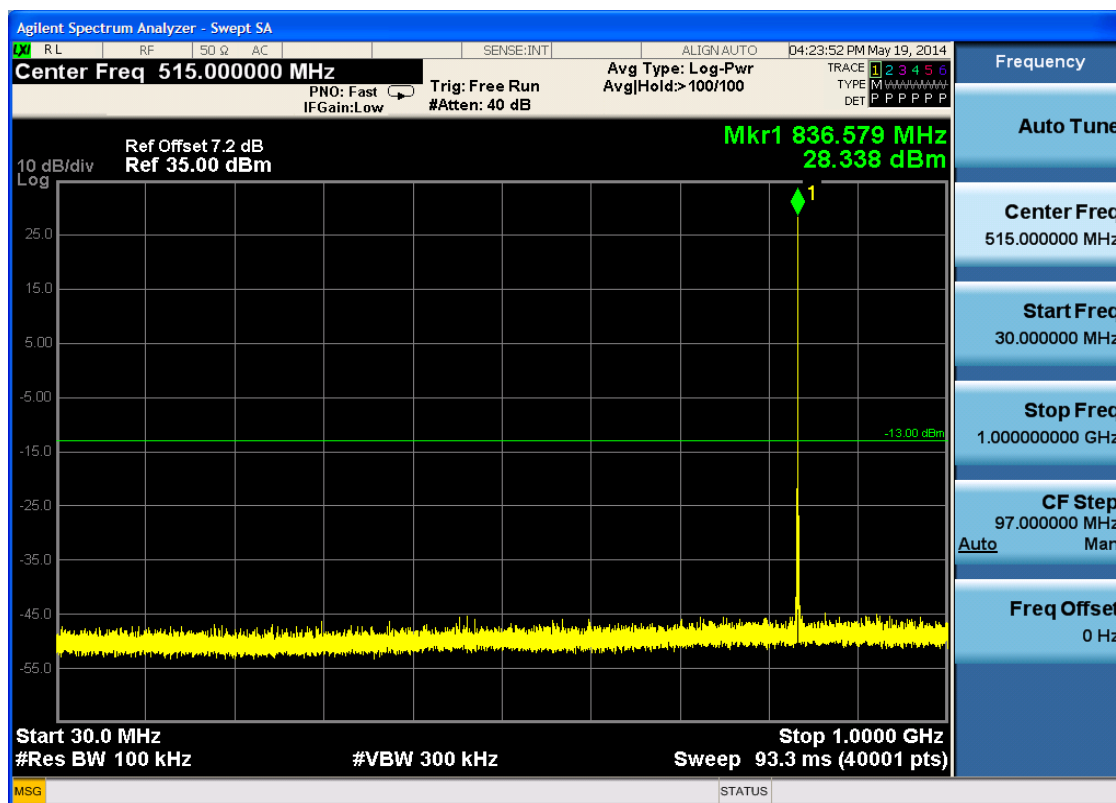


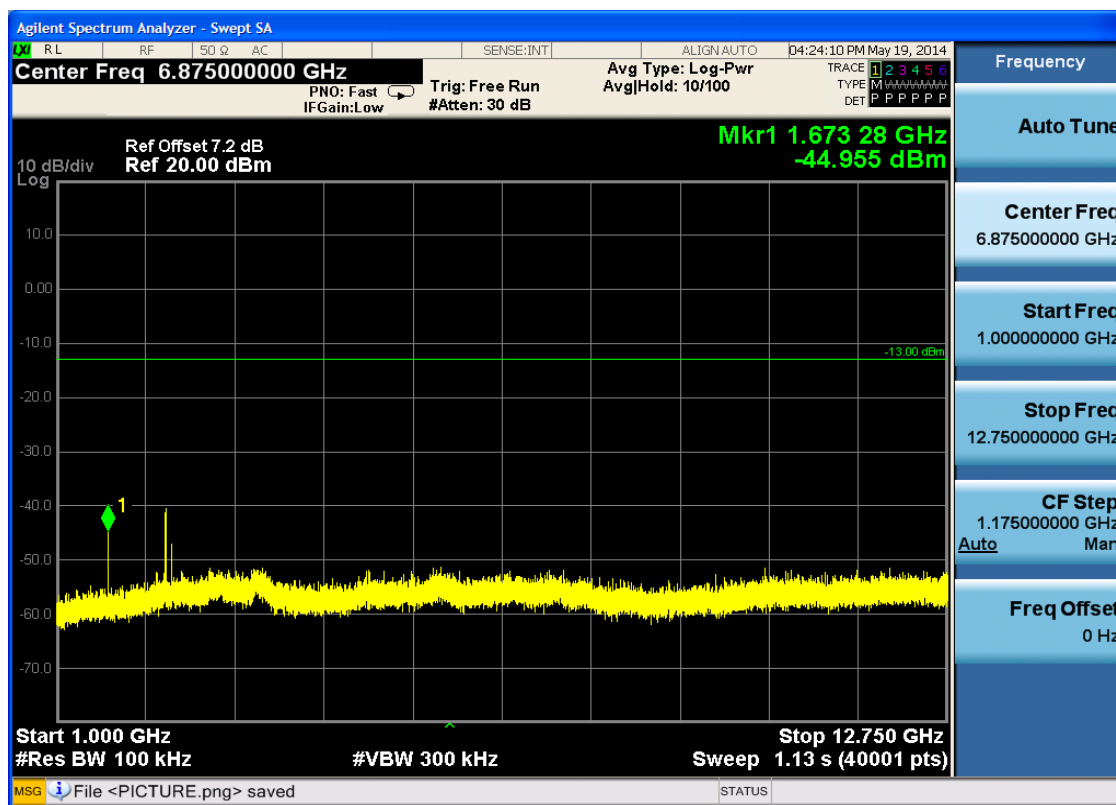


6.1.1.2.2 Test Channel = MCH



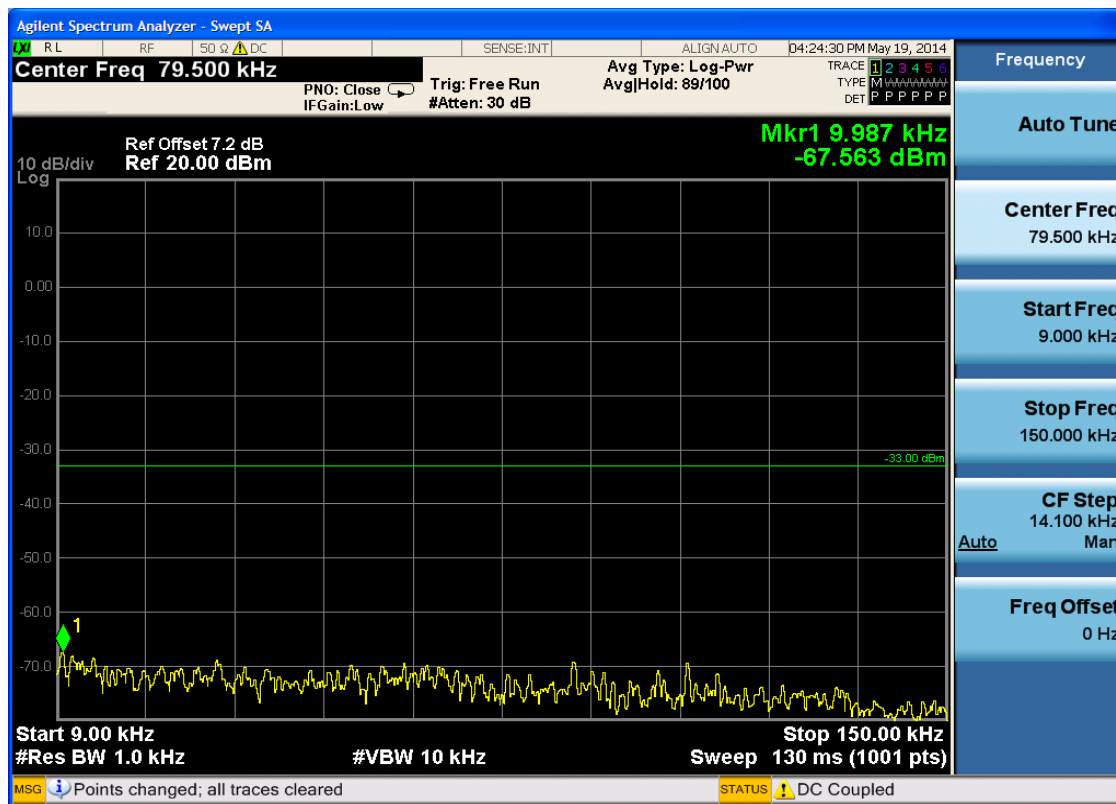


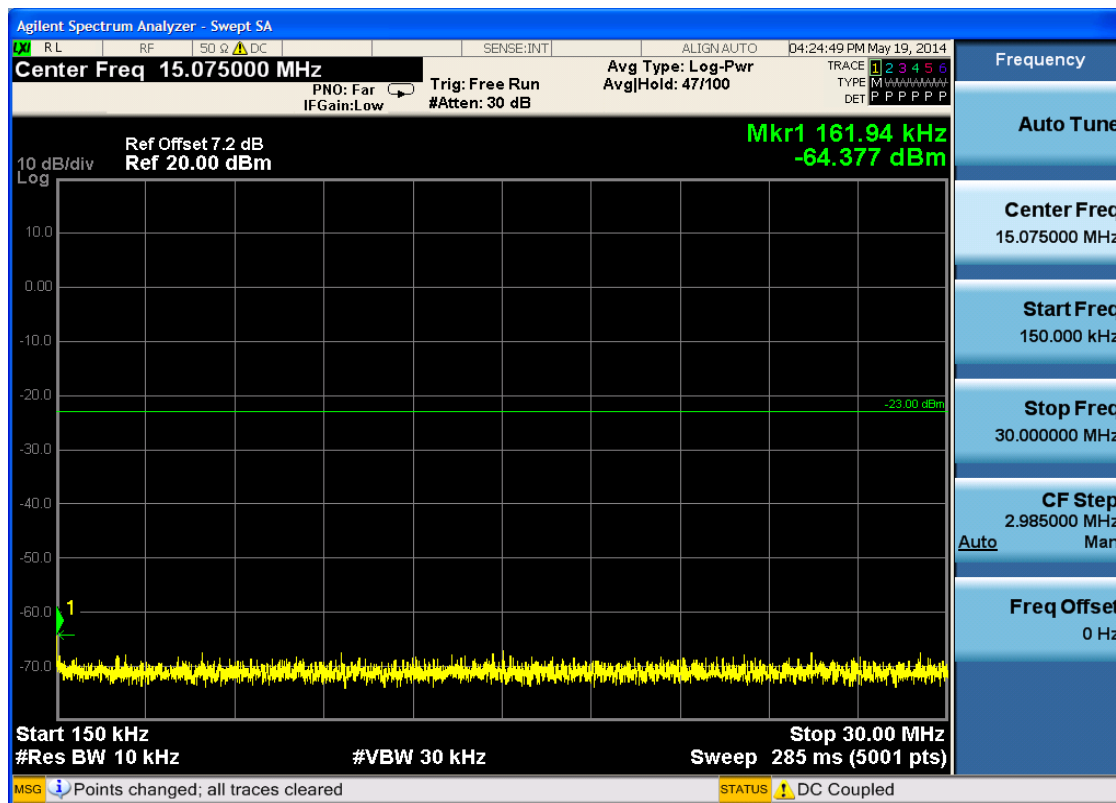


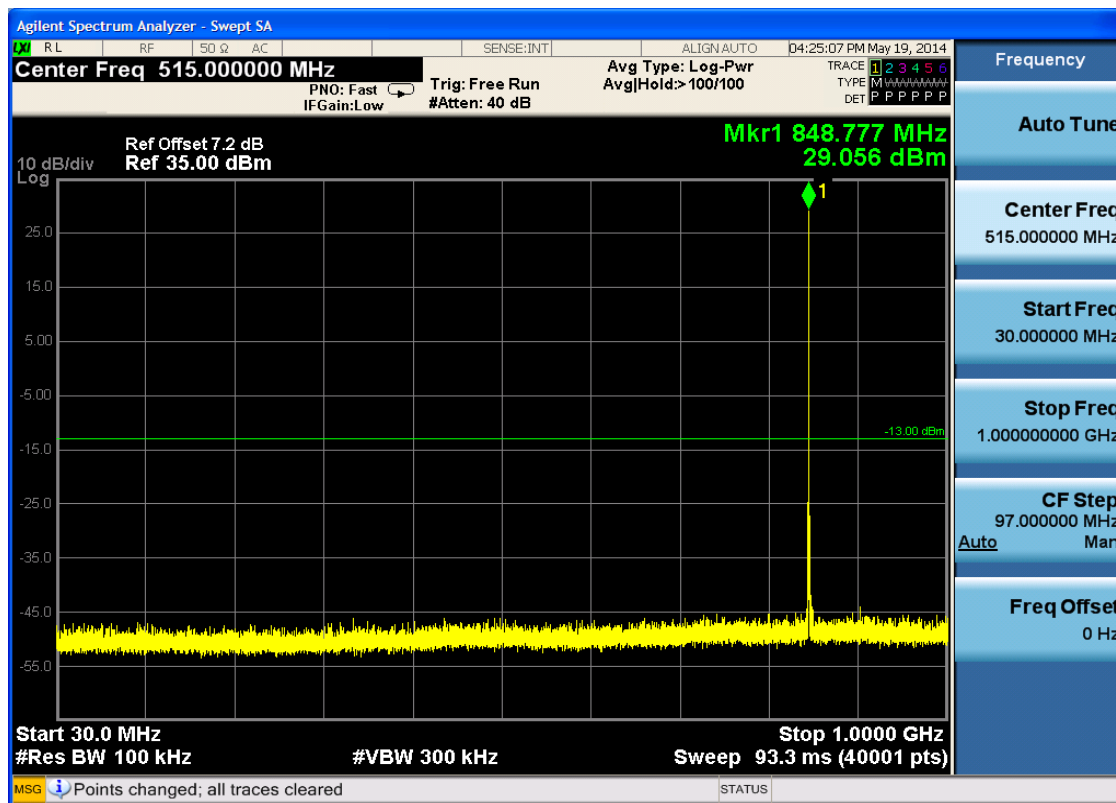


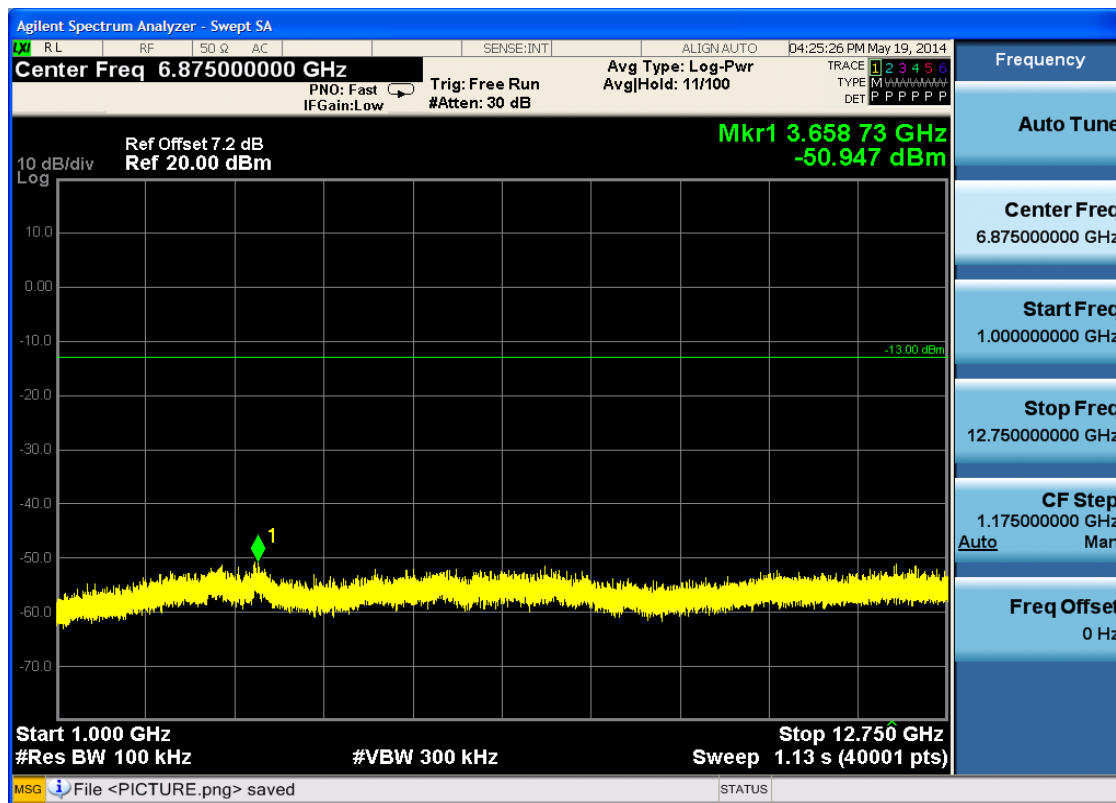


6.1.1.2.3 Test Channel = HCH





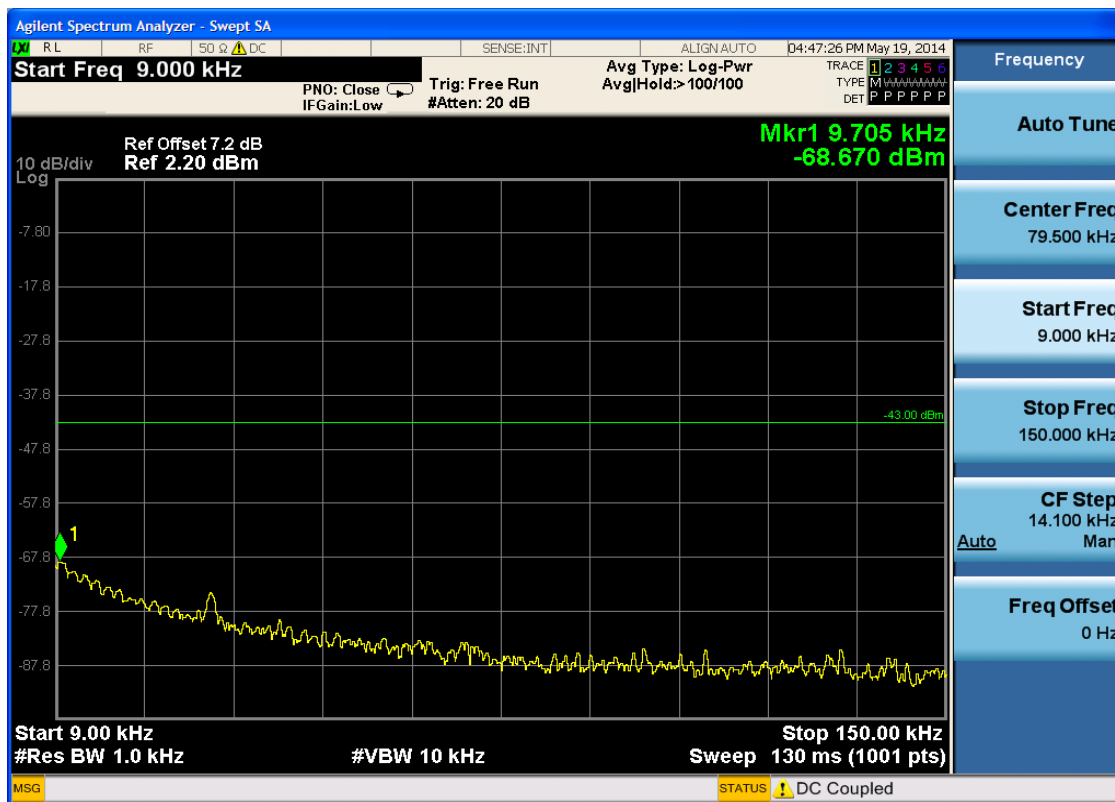


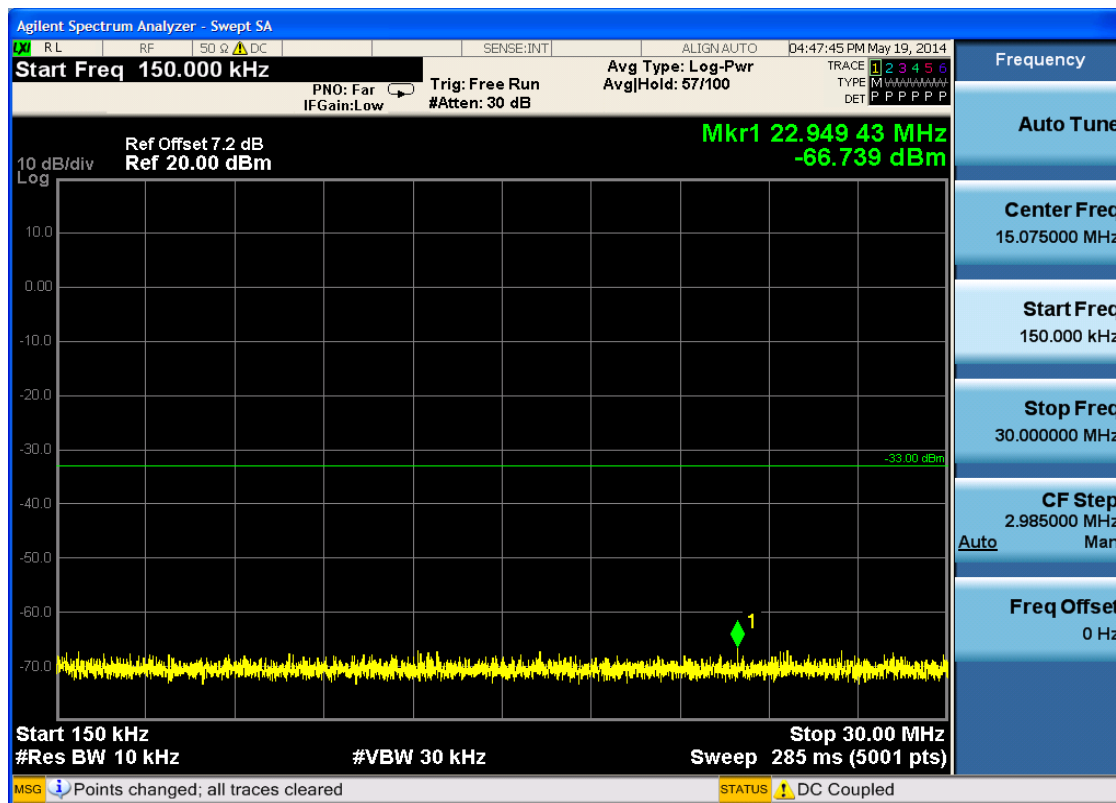


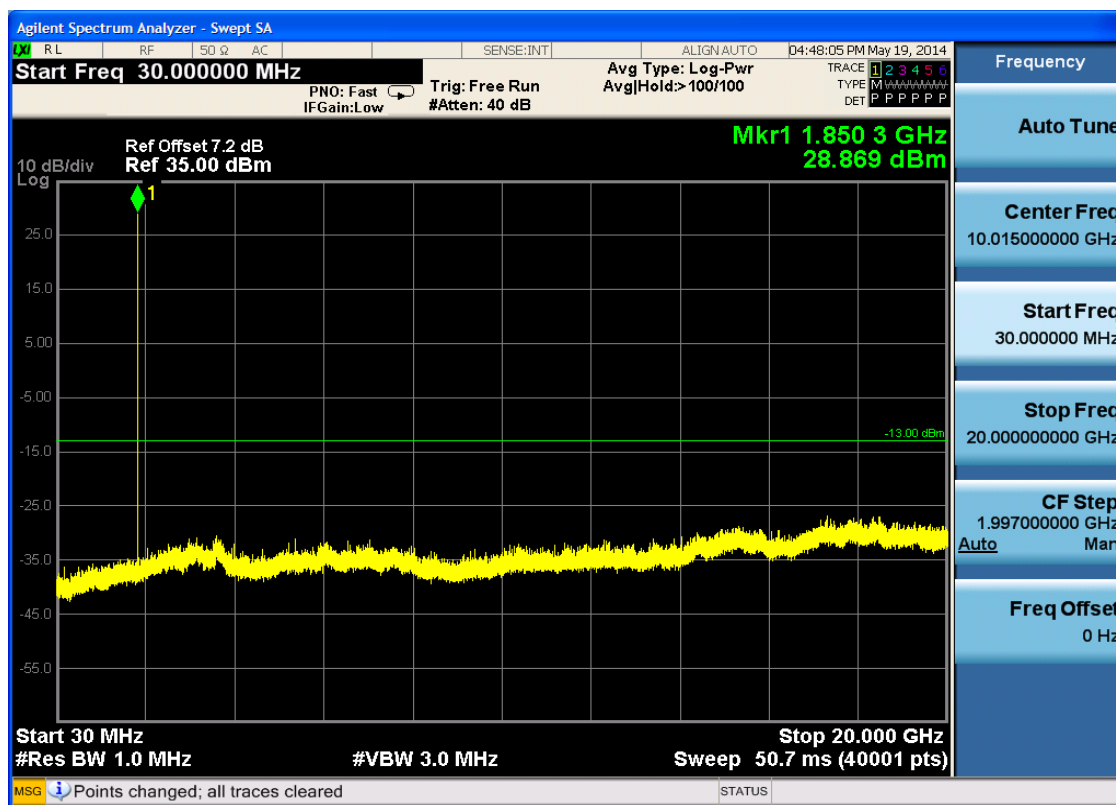
6.1.2 Test Band = GSM1900

6.1.2.1 Test Mode = GSM/TM1

6.1.2.1.1 Test Channel = LCH

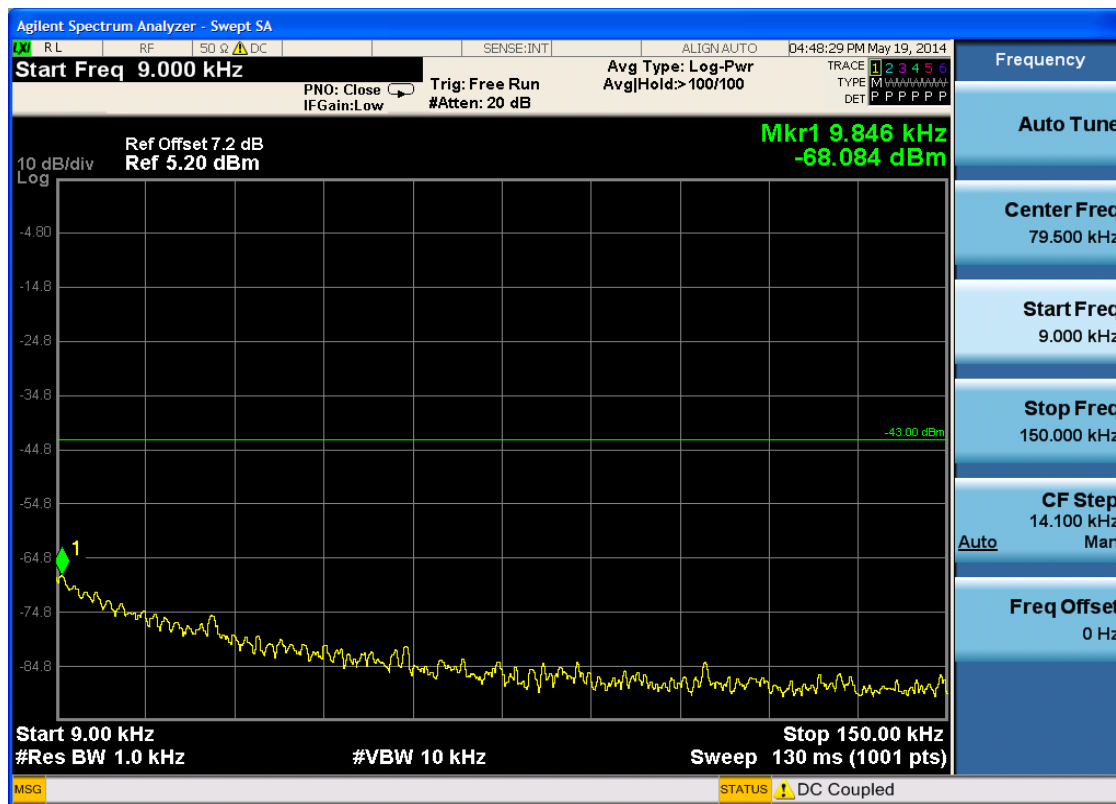


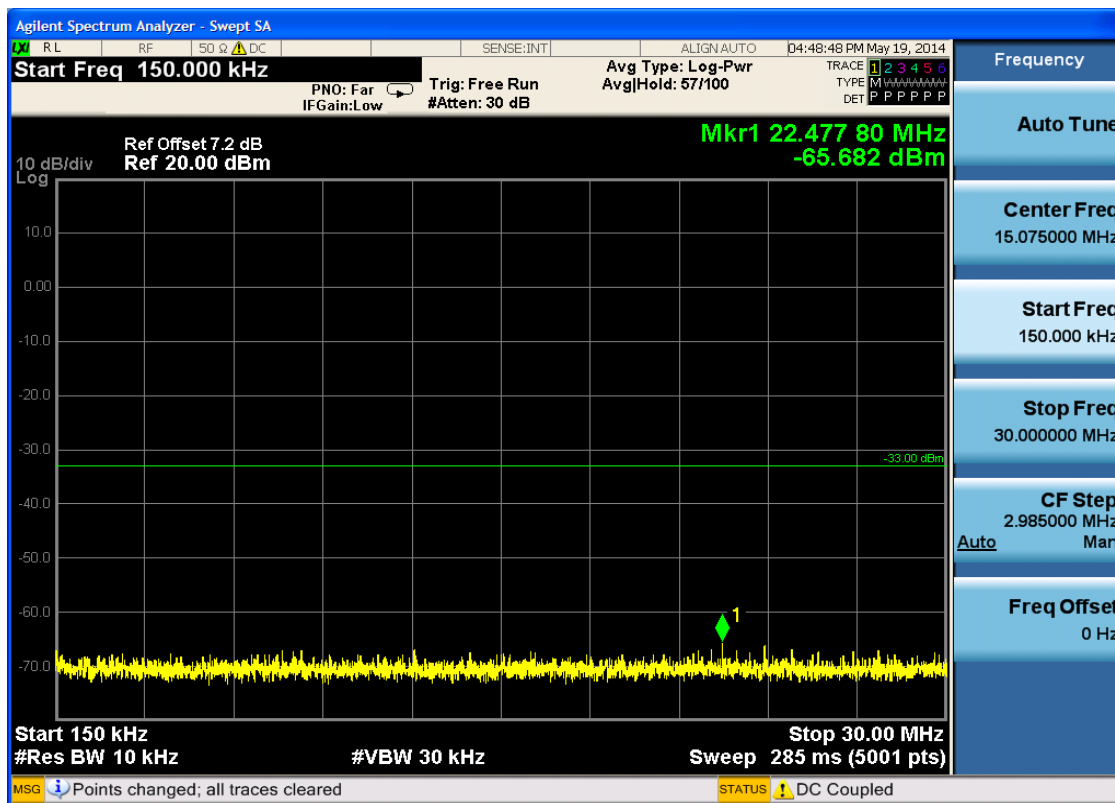


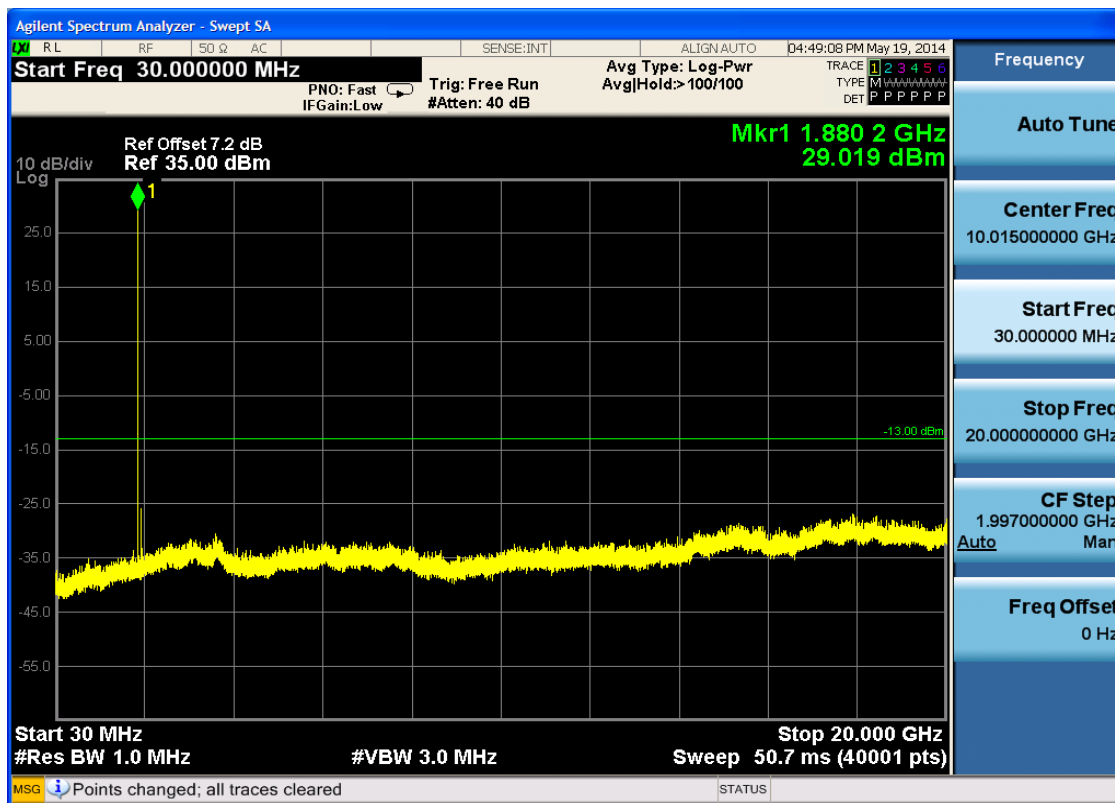


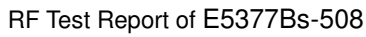


6.1.2.1.2 Test Channel = MCH









Agilent Spectrum Analyzer - Swept SA

R L RF 50 Ω DC SENSE:INT ALIGN AUTO D4:49:28 PM May 19, 2014

Start Freq 9.000 kHz PNO: Close IFGain:Low Trig: Free Run Avg Type: Log-Pwr Avg/Hold: > 100/100 TRACE 1 2 3 4 5 6 TYPE M M M M M M M M DET P P P P P P

Ref Offset 7.2 dB
Ref 5.20 dBm

Mkr1 9.987 kHz
-68.560 dBm

10 dB/div
Log

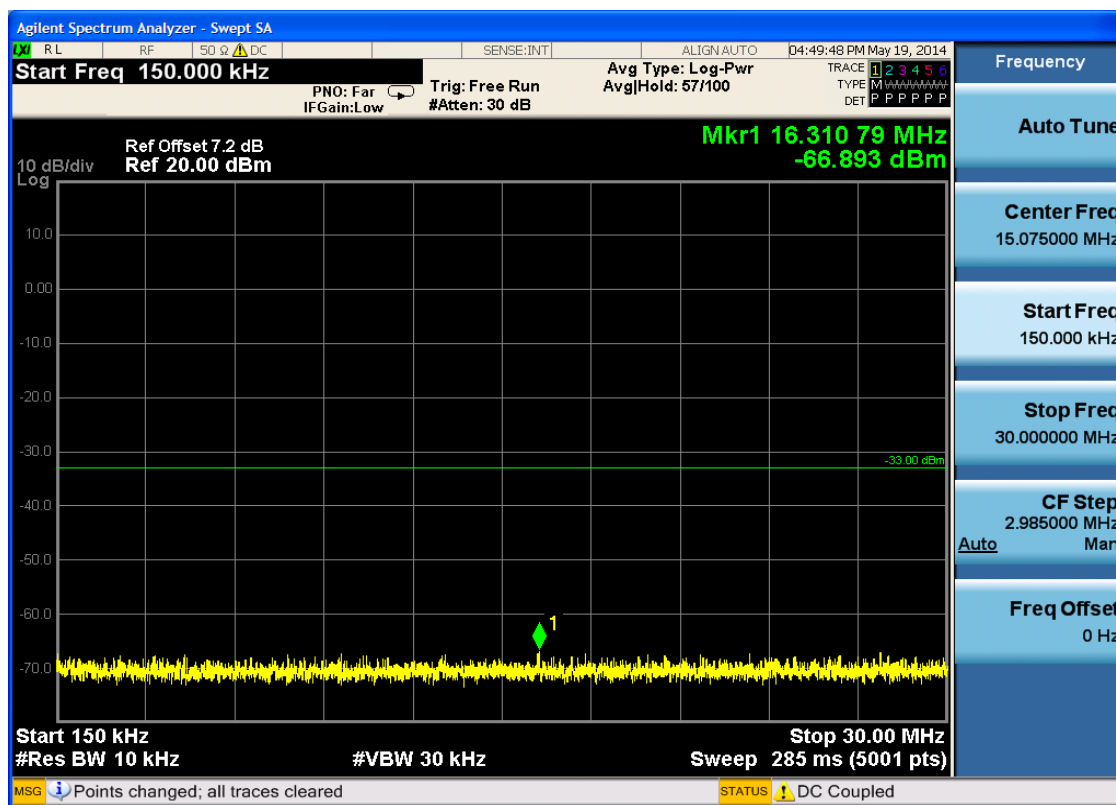
-4.80
-14.8
-24.8
-34.8
-44.8
-54.8
-64.8
-74.8
-84.8

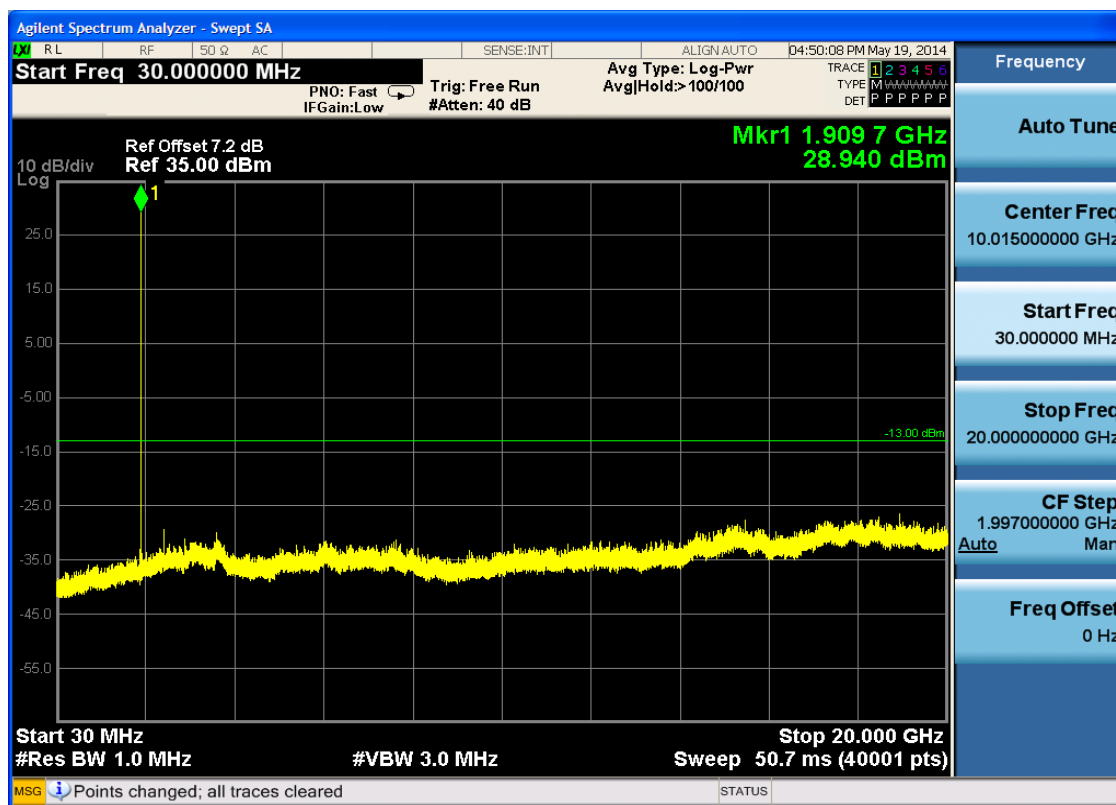
-43.00 dBm

Start 9.00 kHz #Res BW 1.0 kHz #VBW 10 kHz Stop 150.00 kHz Sweep 130 ms (1001 pts)

MSG STATUS ⚠ DC Coupled

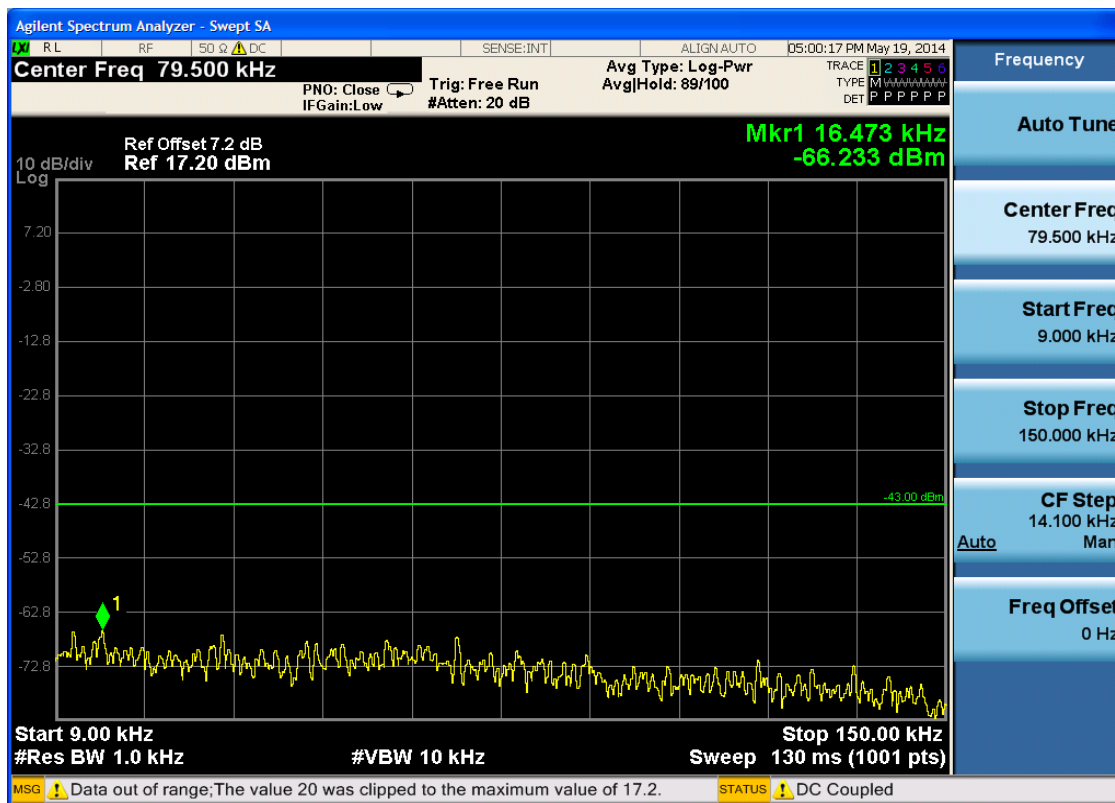
Frequency
Auto Tune
Center Freq 79.500 kHz
Start Freq 9.000 kHz
Stop Freq 150.000 kHz
CF Step 14.100 kHz Man
Freq Offset 0 Hz

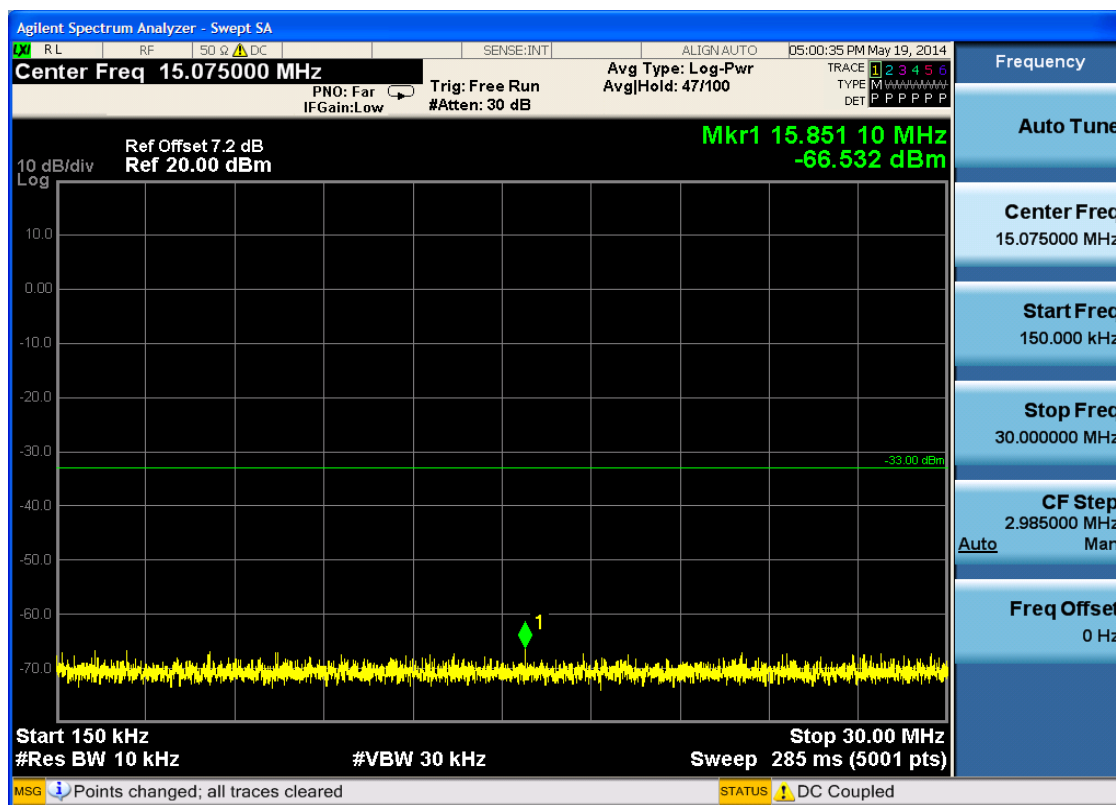


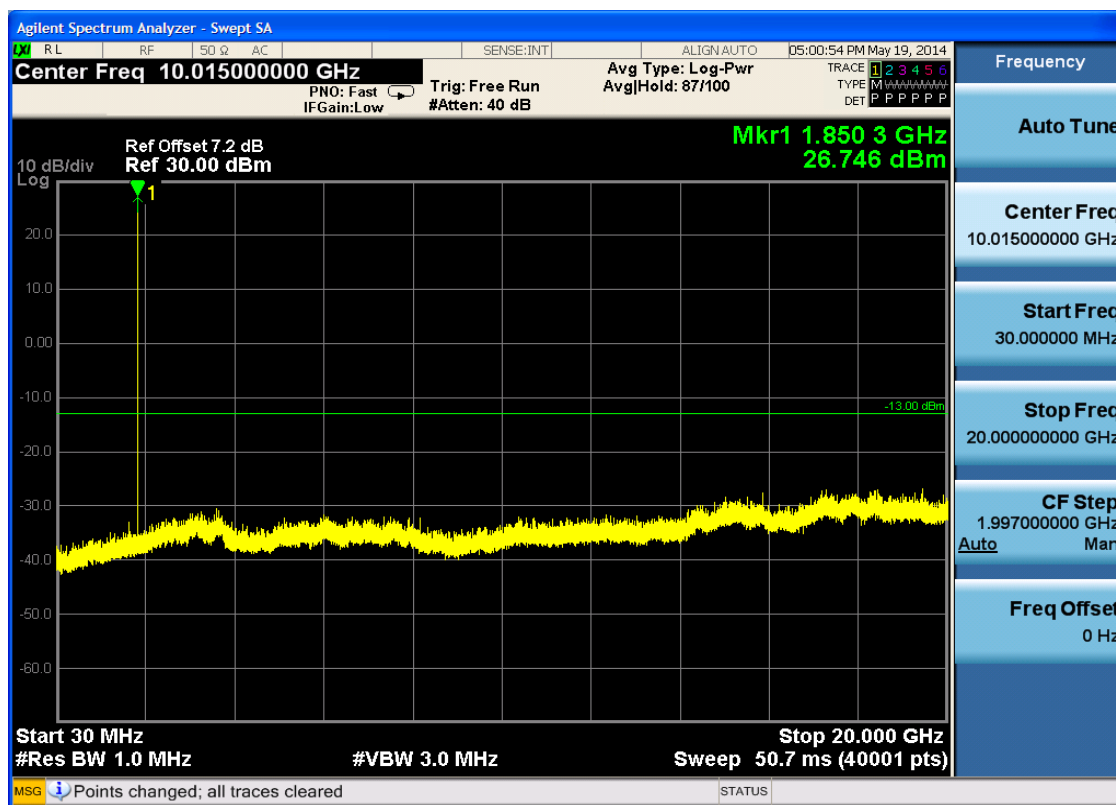


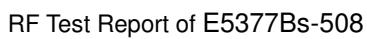
6.1.2.2 Test Mode = GSM/TM2

6.1.2.2.1 Test Channel = LCH









Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN AUTO 05:01:14 PM May 19, 2014

Center Freq 79.500 kHz PNO: Close Trig: Free Run Avg Type: Log-Pwr Avg|Hold: 89/100

IFGain:Low #Atten: 20 dB TRACE 1 2 3 4 5 6 TYPE M P P P P P P DET P P P P P P

Ref Offset 7.2 dB Mkr1 19.152 kHz
Ref 17.20 dB -65.864 dBm

10 dB/div Log

Start 9.00 kHz Stop 150.00 kHz
#Res BW 1.0 kHz #VBW 10 kHz Sweep 130 ms (1001 pts)

MSG Points changed; all traces cleared STATUS DC Coupled

Frequency

Auto Tune

Center Freq 79.500 kHz

Start Freq 9.000 kHz

Stop Freq 150.000 kHz

CF Step 14.100 kHz

Auto

Freq Offset 0 Hz

