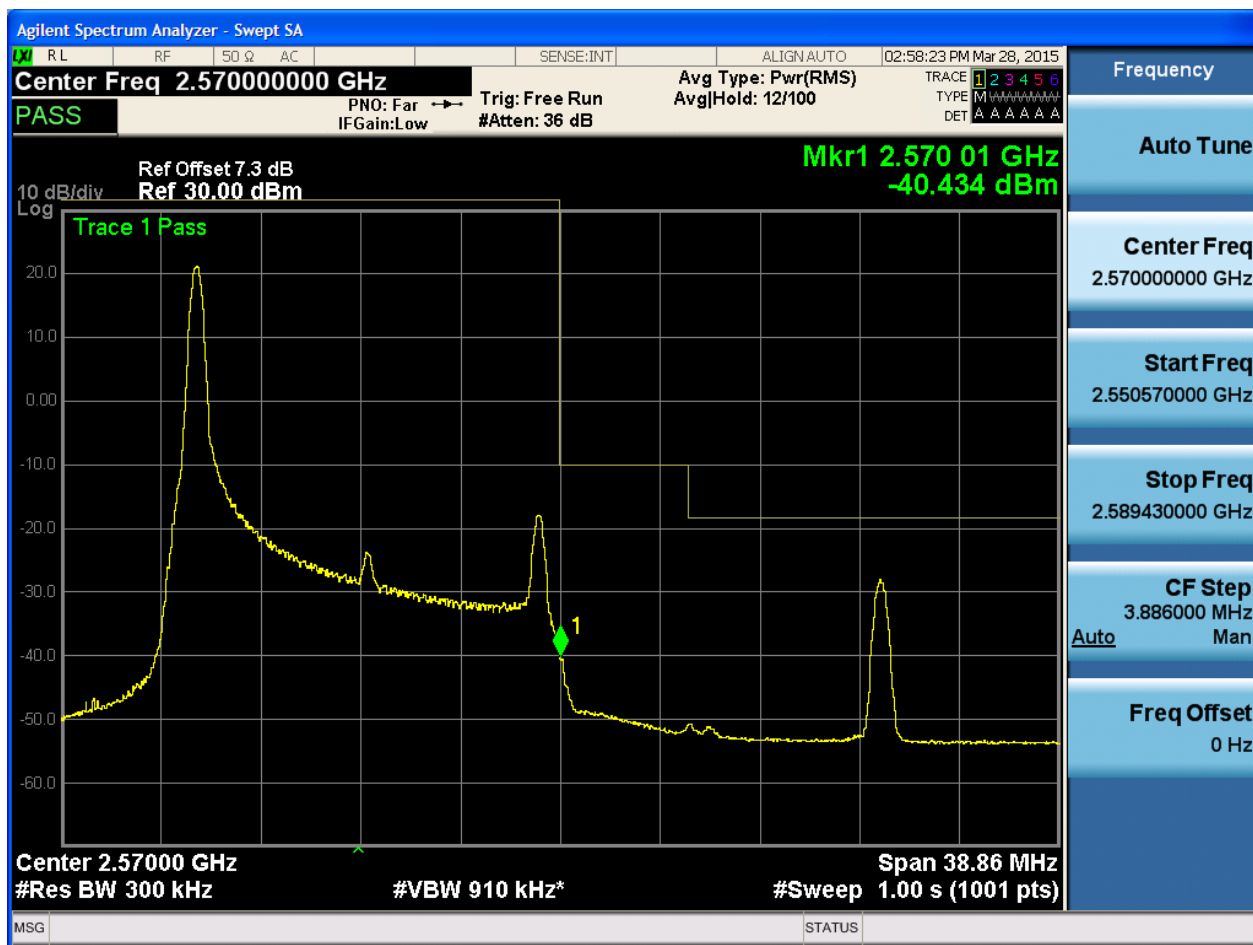




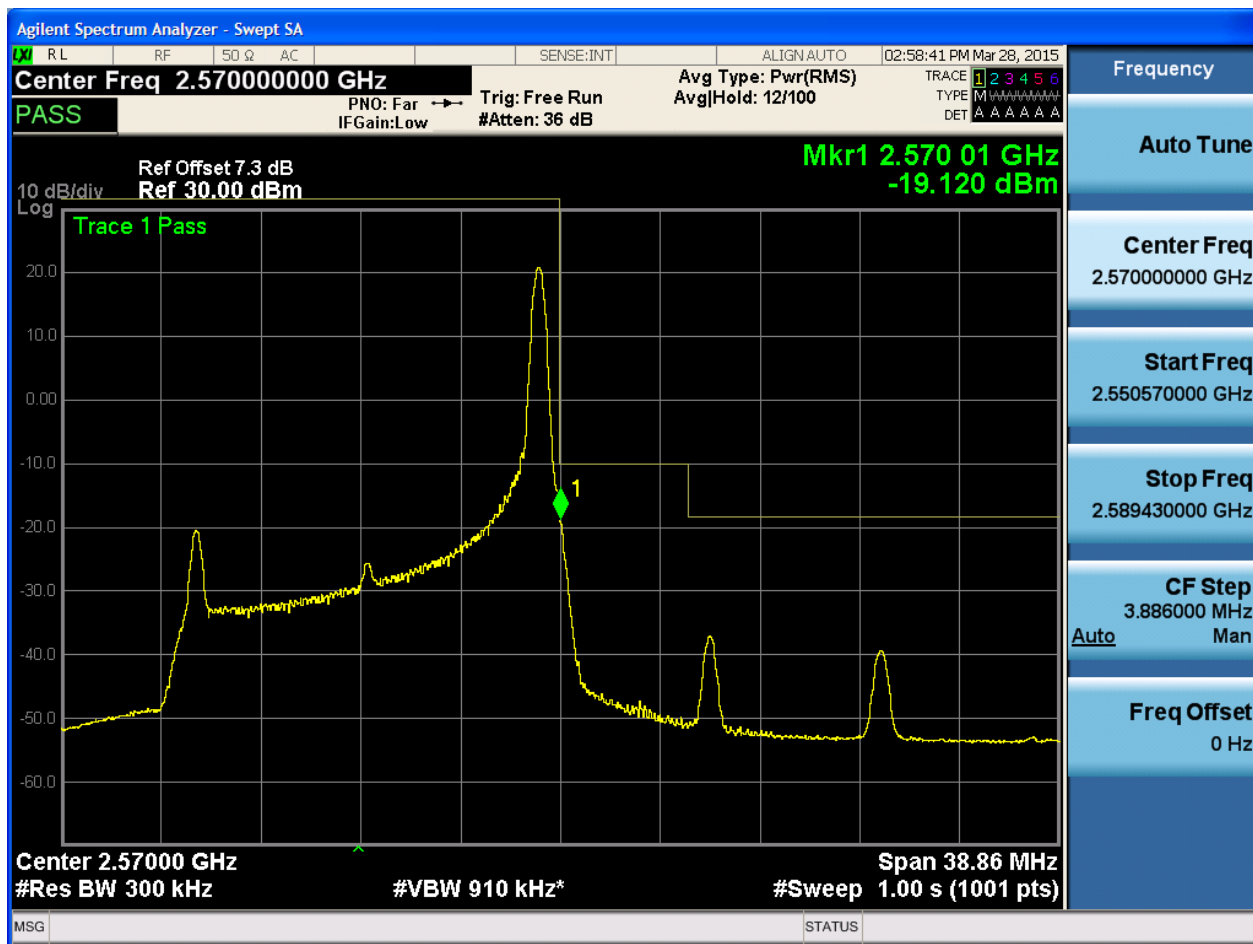
5.3.3.2.3.2 Test Channel = HCH

5.3.3.2.3.2.1 Test RB = RB1#0



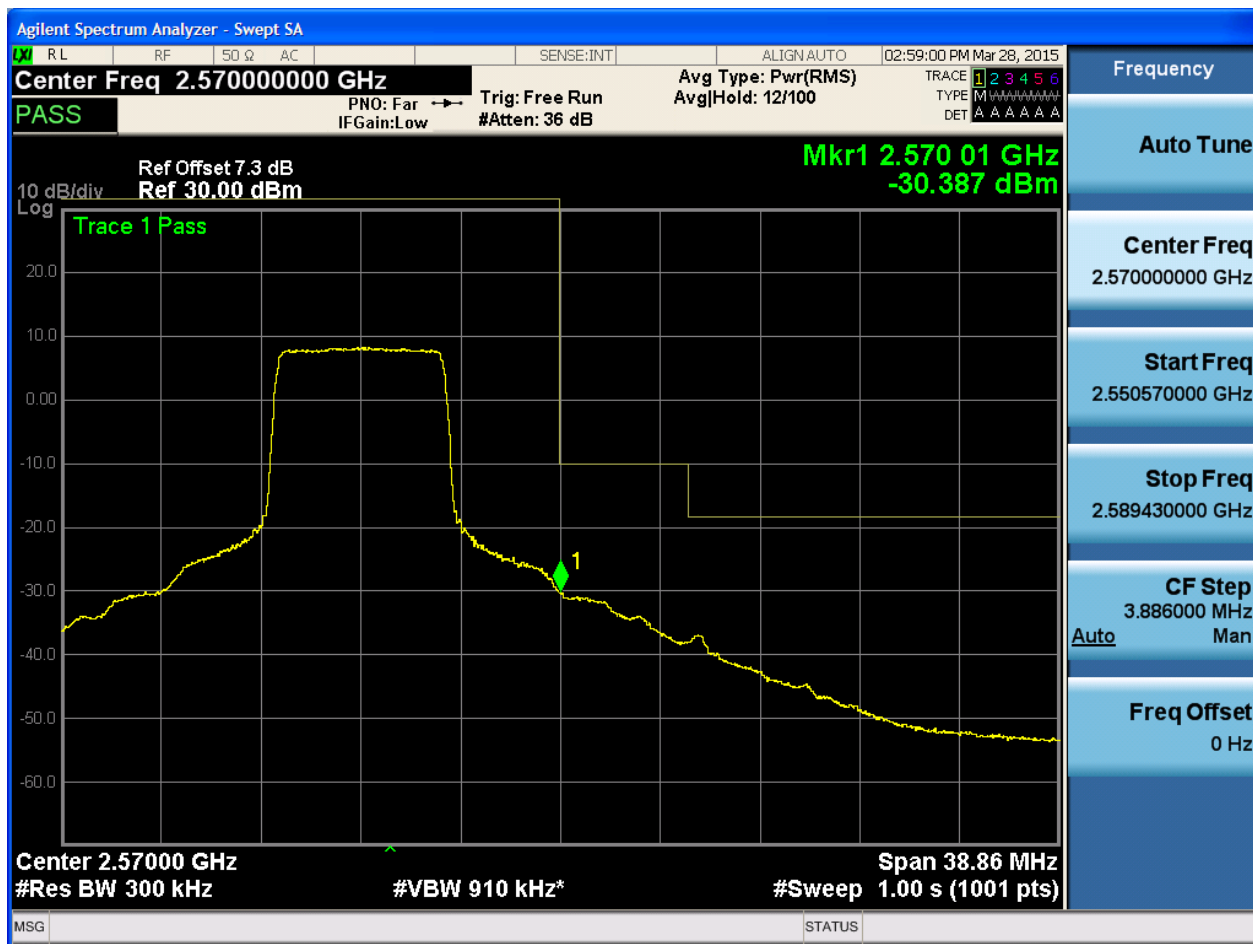


5.3.3.2.3.2.2 Test RB = RB1#74





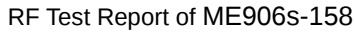
5.3.3.2.3.2.3 Test RB = RB36#18



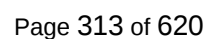


5.3.3.2.3.2.4 Test RB = RB75#0



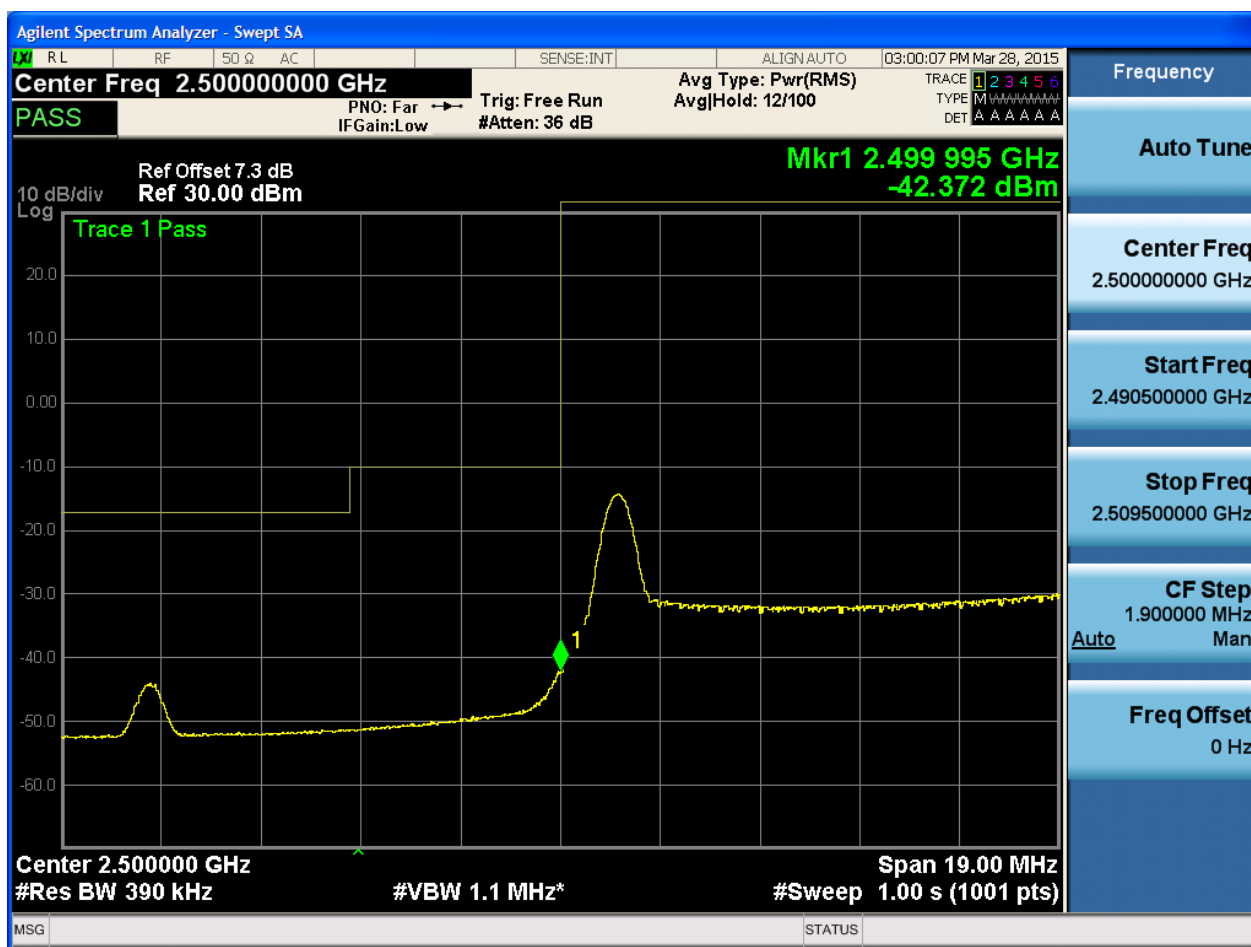


5.3.3.2.4.1.1 Test RB = RB1#0





5.3.3.2.4.1.2 Test RB = RB1#99



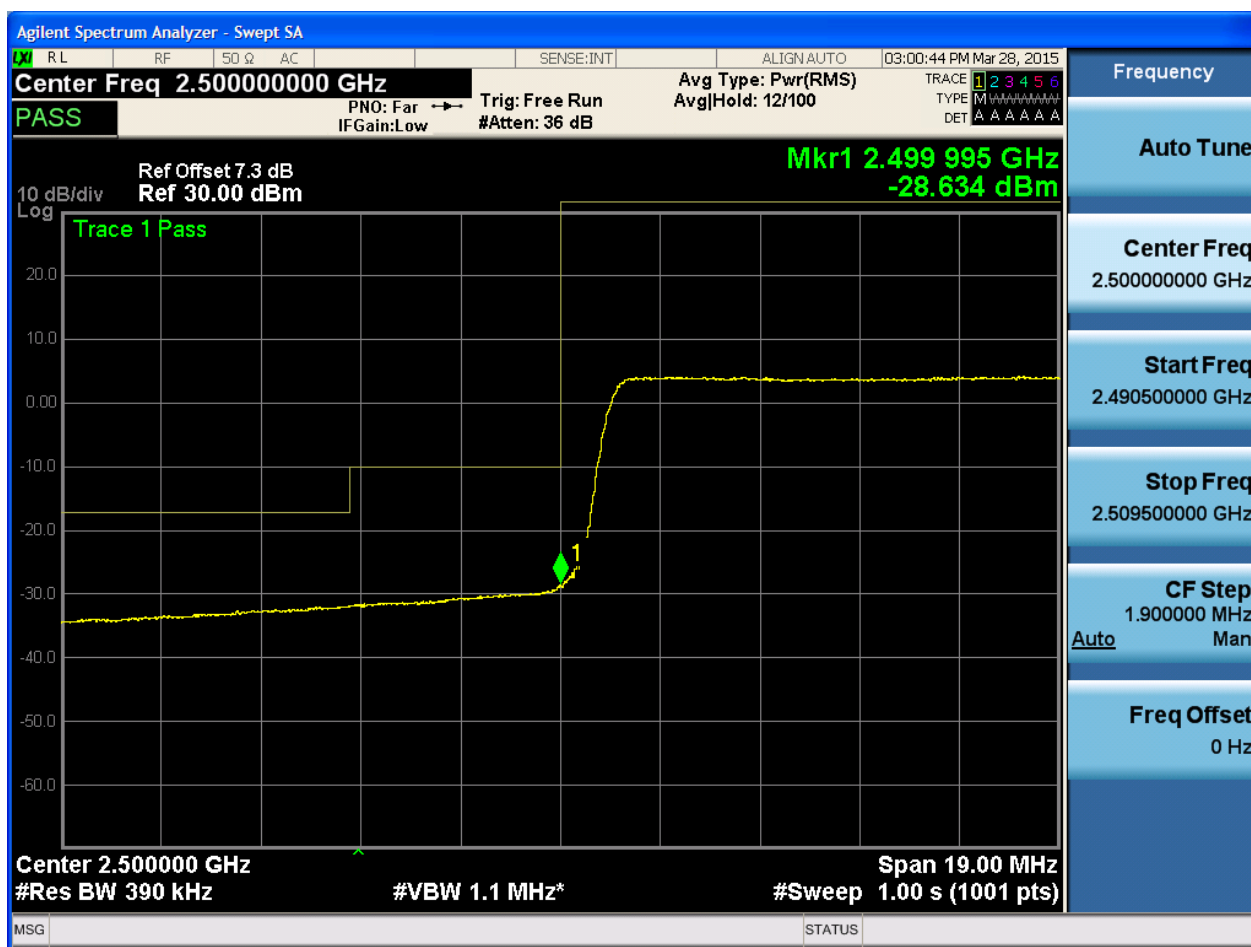


5.3.3.2.4.1.3 Test RB = RB50#25





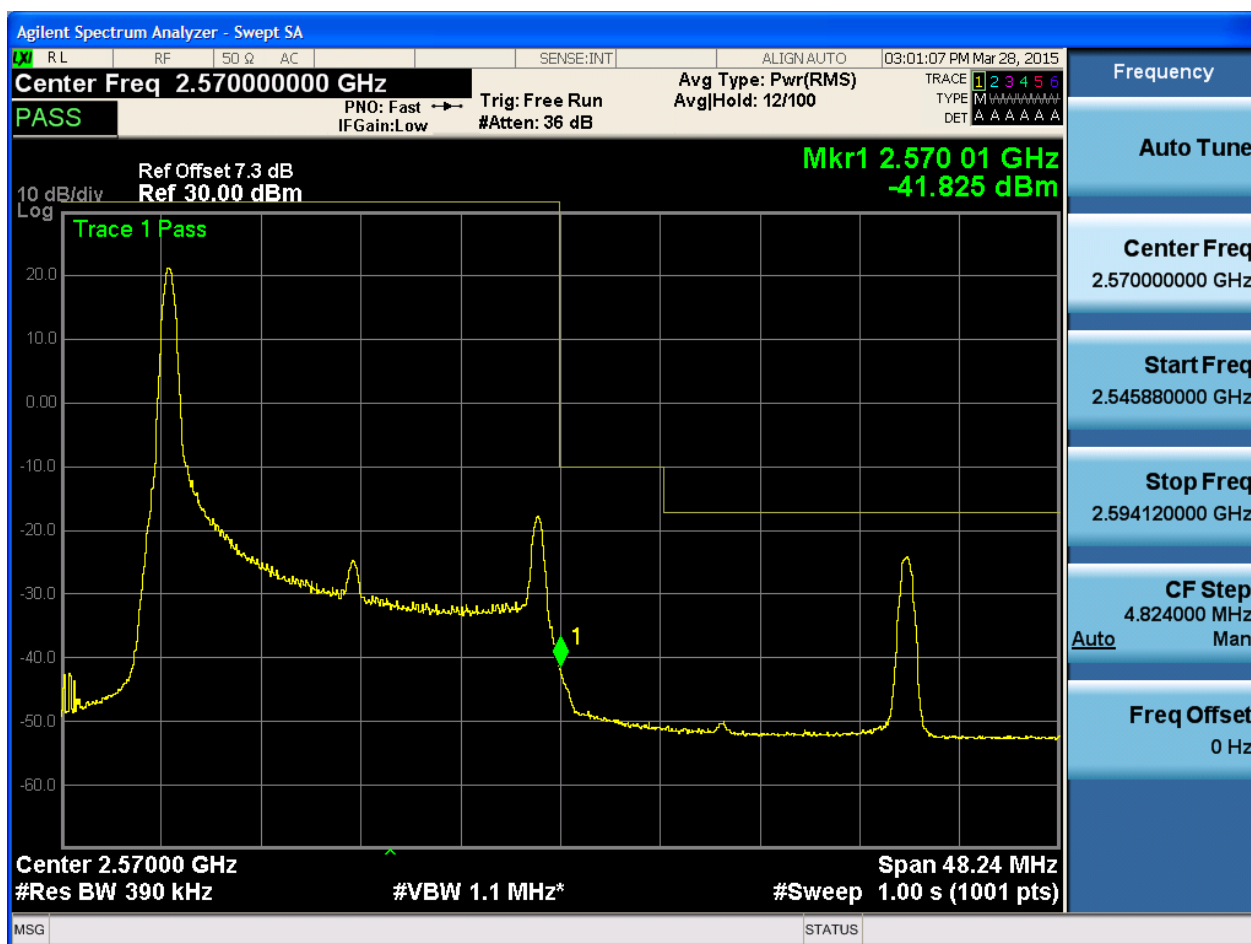
5.3.3.2.4.1.4 Test RB = RB100#0





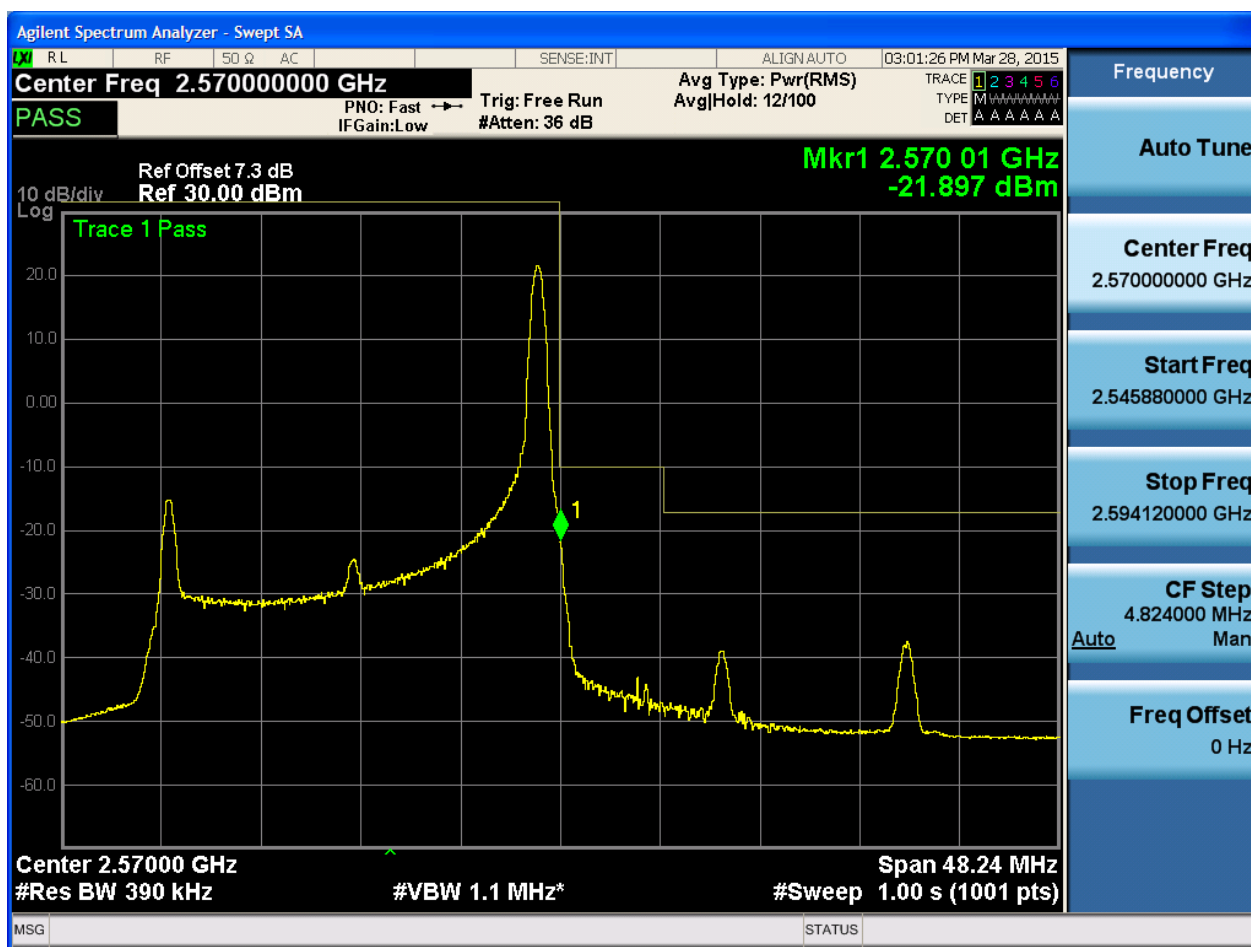
5.3.3.2.4.2 Test Channel = HCH

5.3.3.2.4.2.1 Test RB = RB1#0



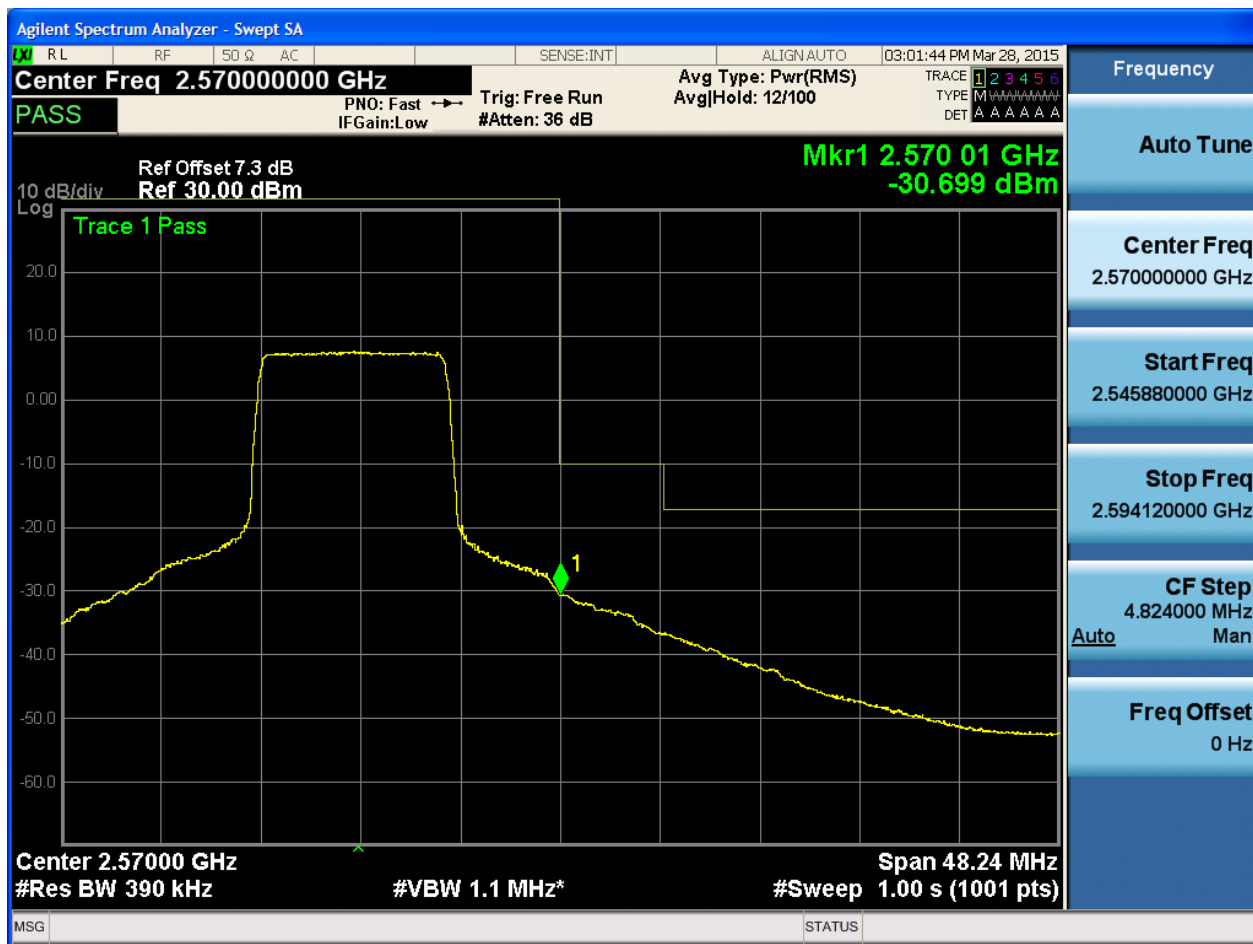


5.3.3.2.4.2.2 Test RB = RB1#99





5.3.3.2.4.2.3 Test RB = RB50#25





5.3.3.2.4.2.4 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.

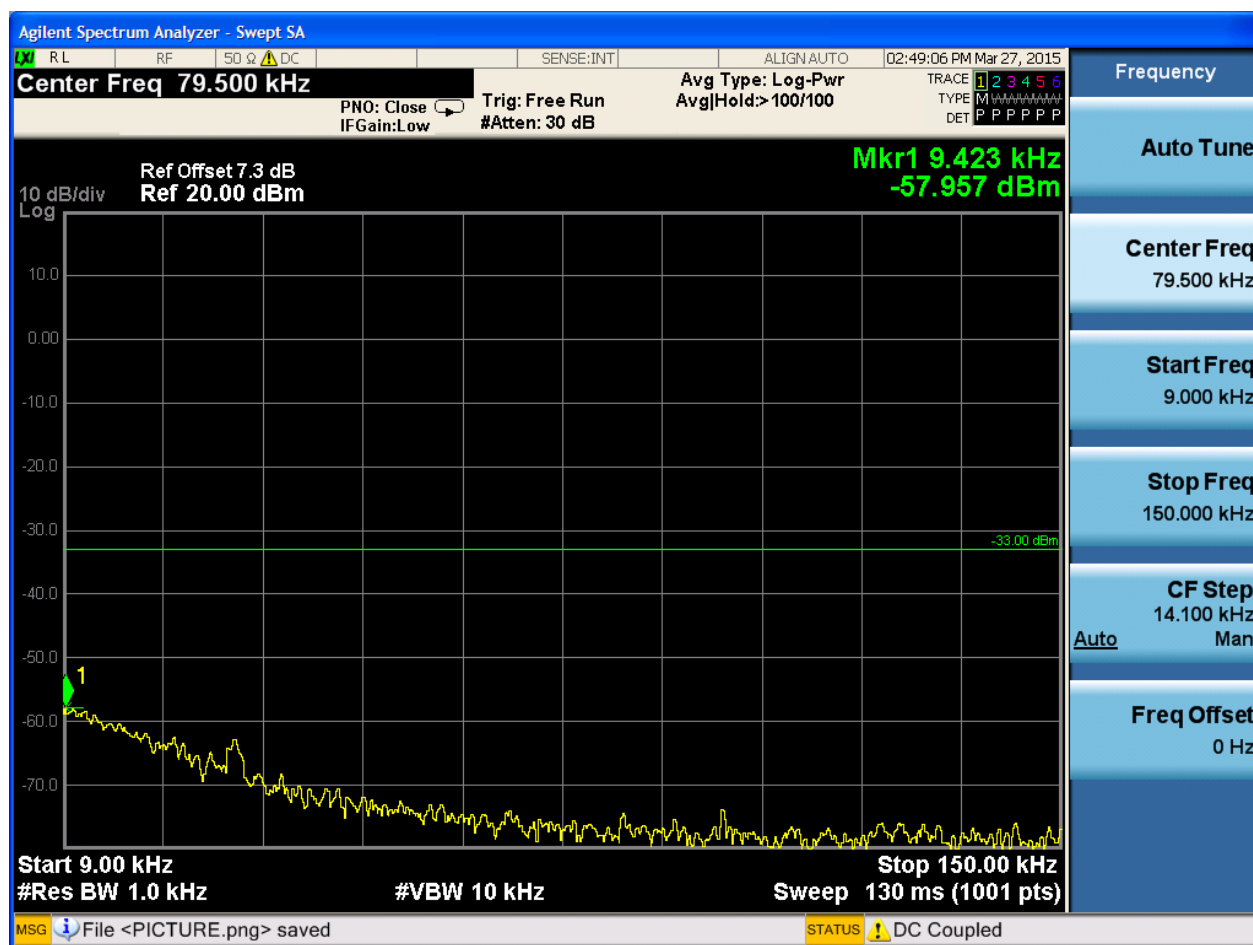
Part I - Test Plots

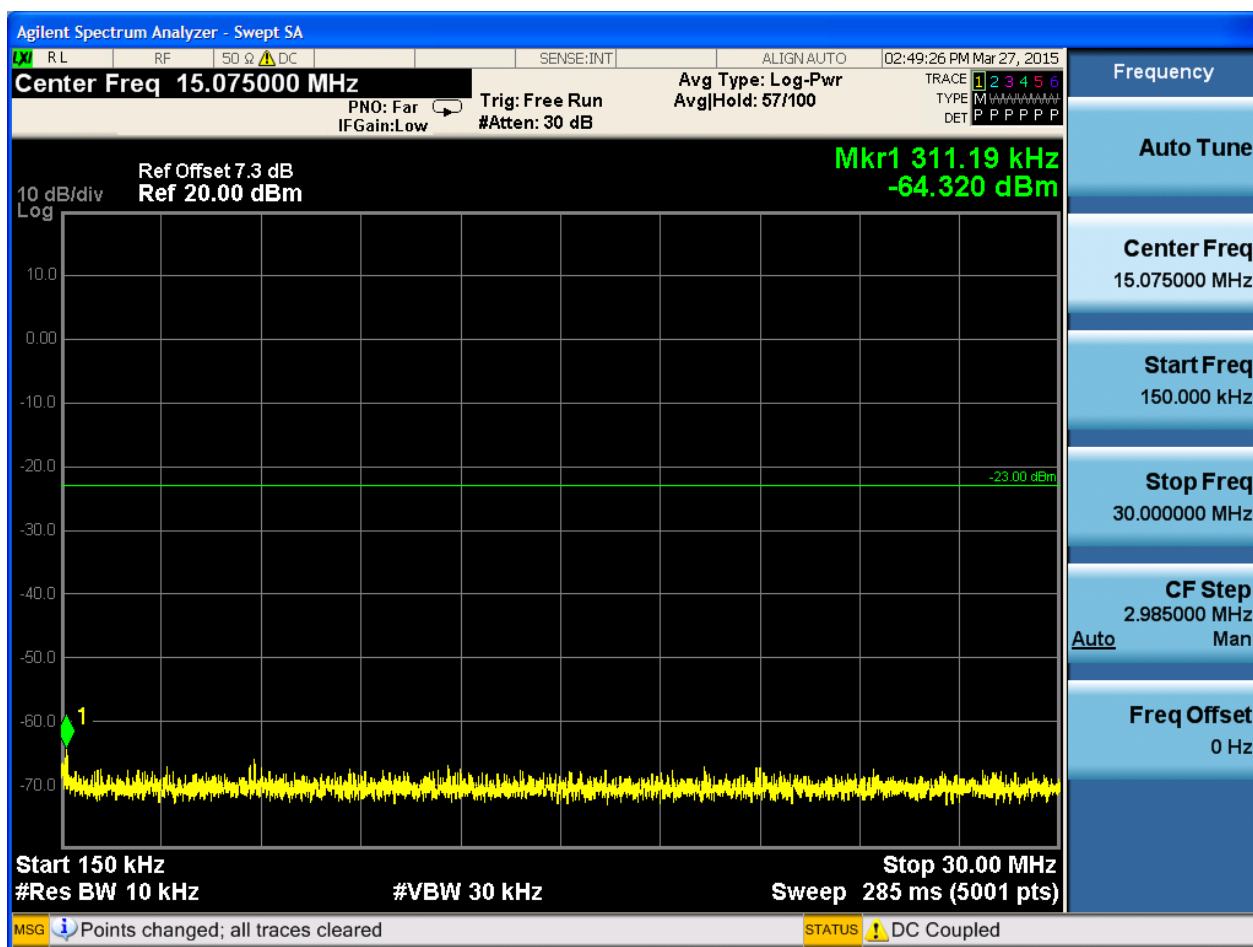
6.1 For GSM

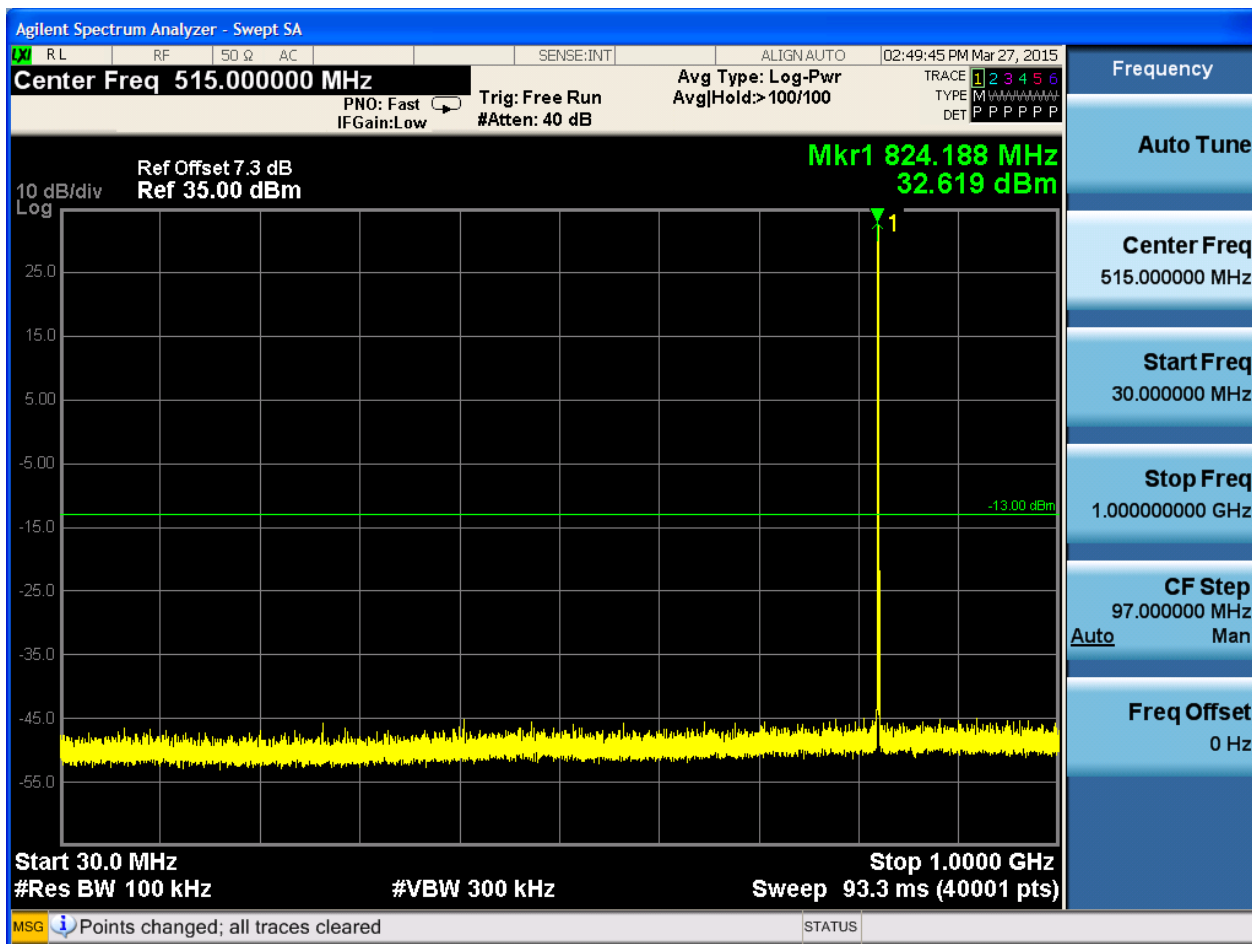
6.1.1 Test Band = GSM850

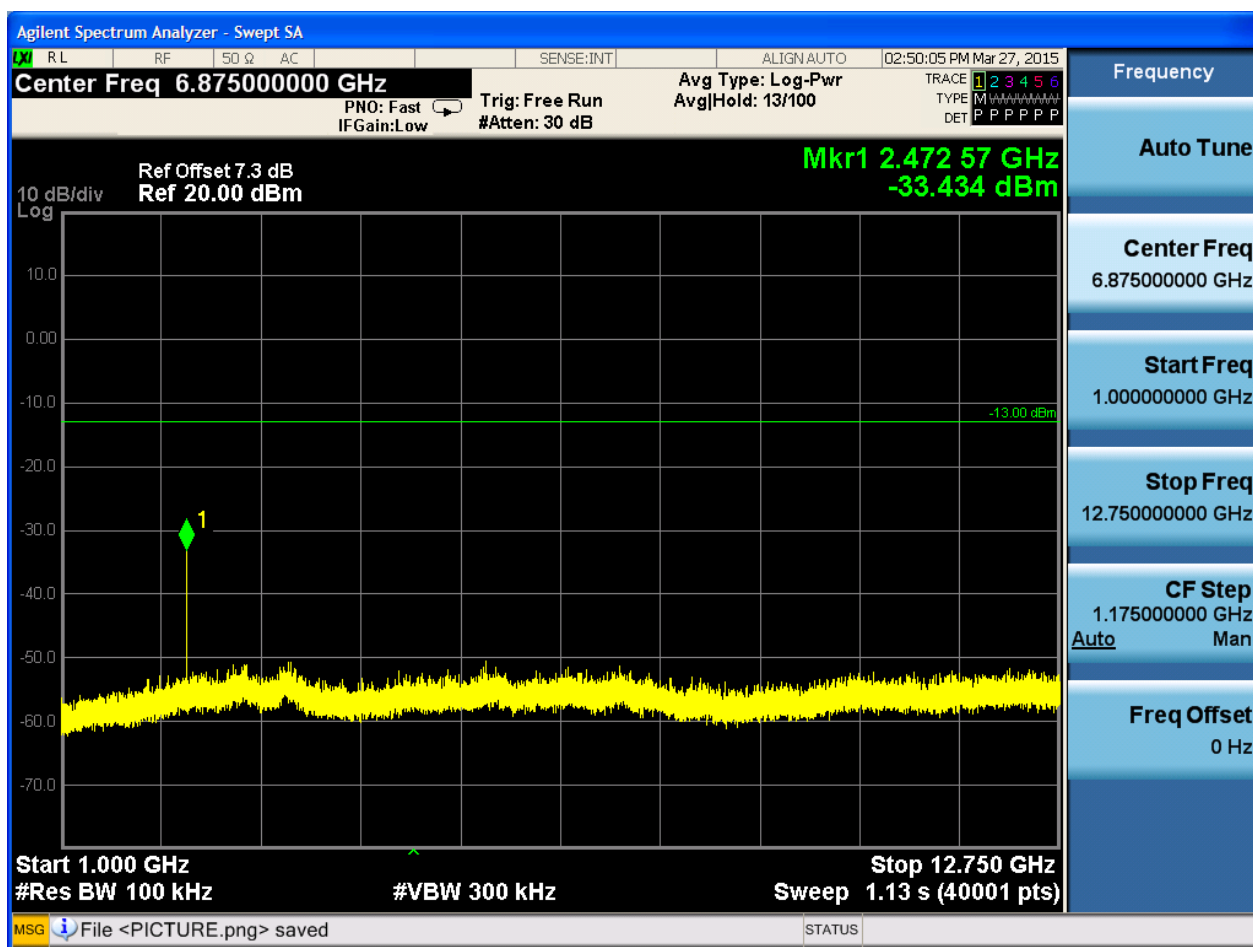
6.1.1.1 Test Mode = GSM/TM1

6.1.1.1.1 Test Channel = LCH





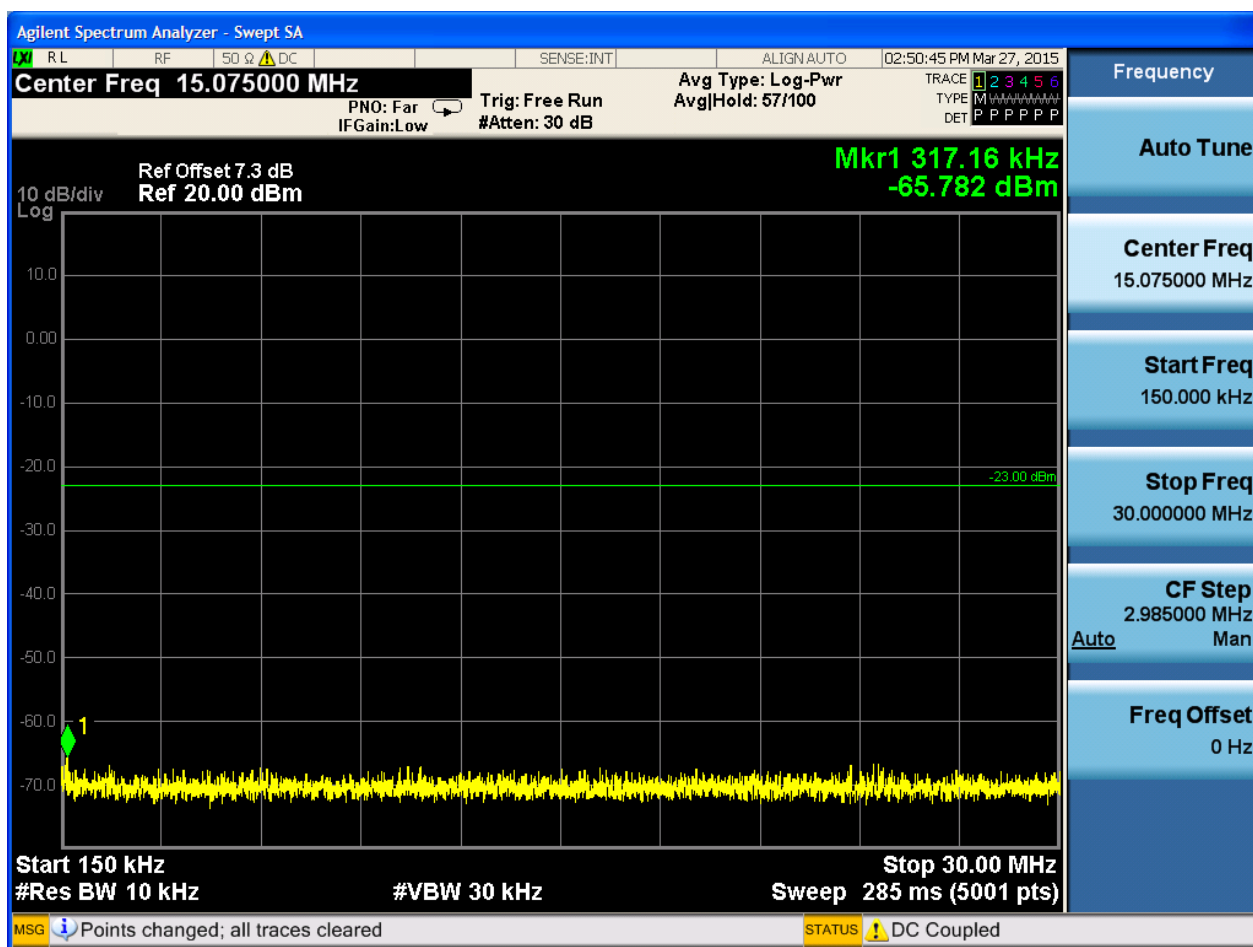


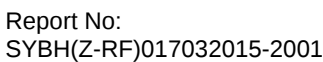
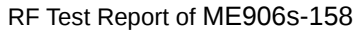


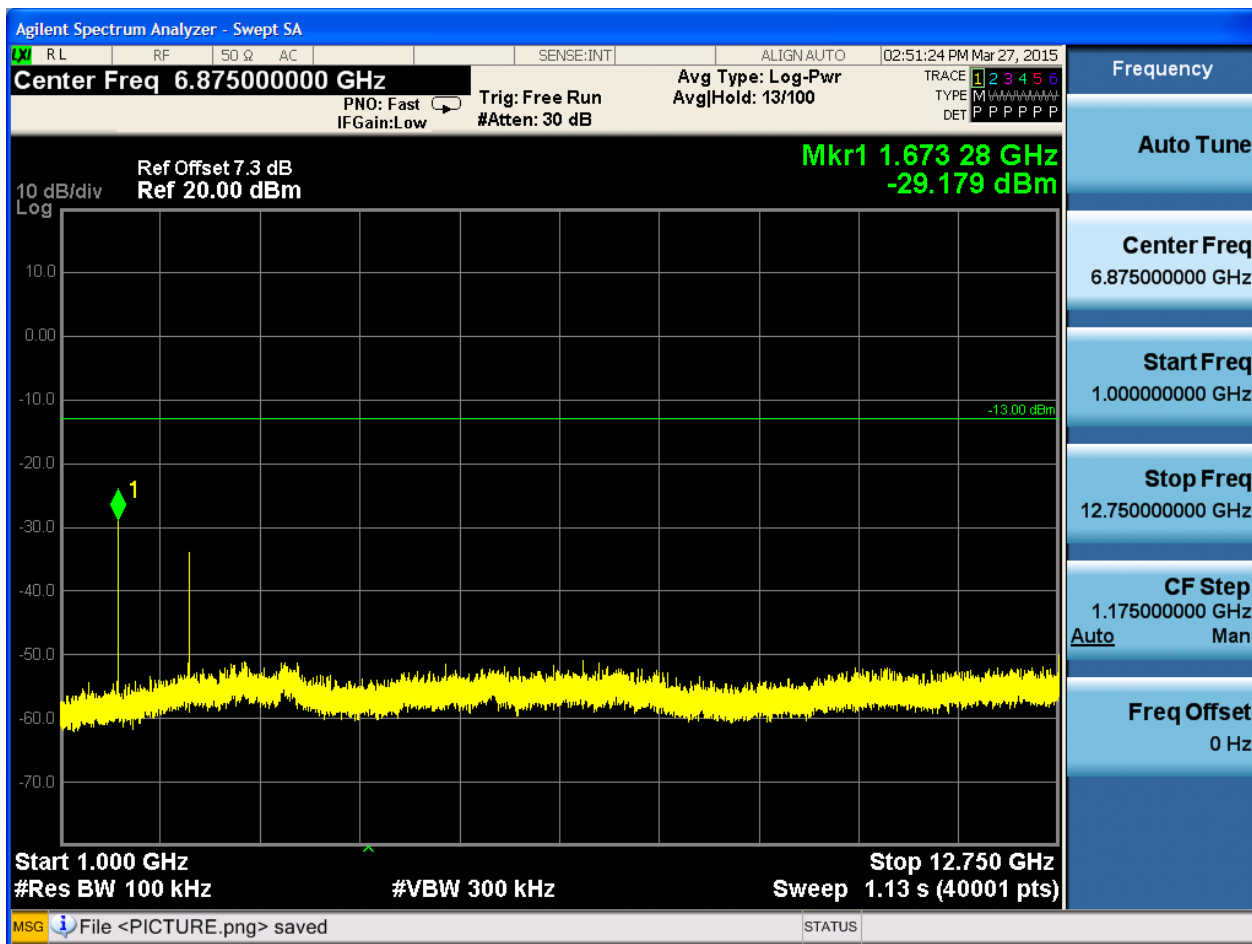


6.1.1.1.2 Test Channel = MCH





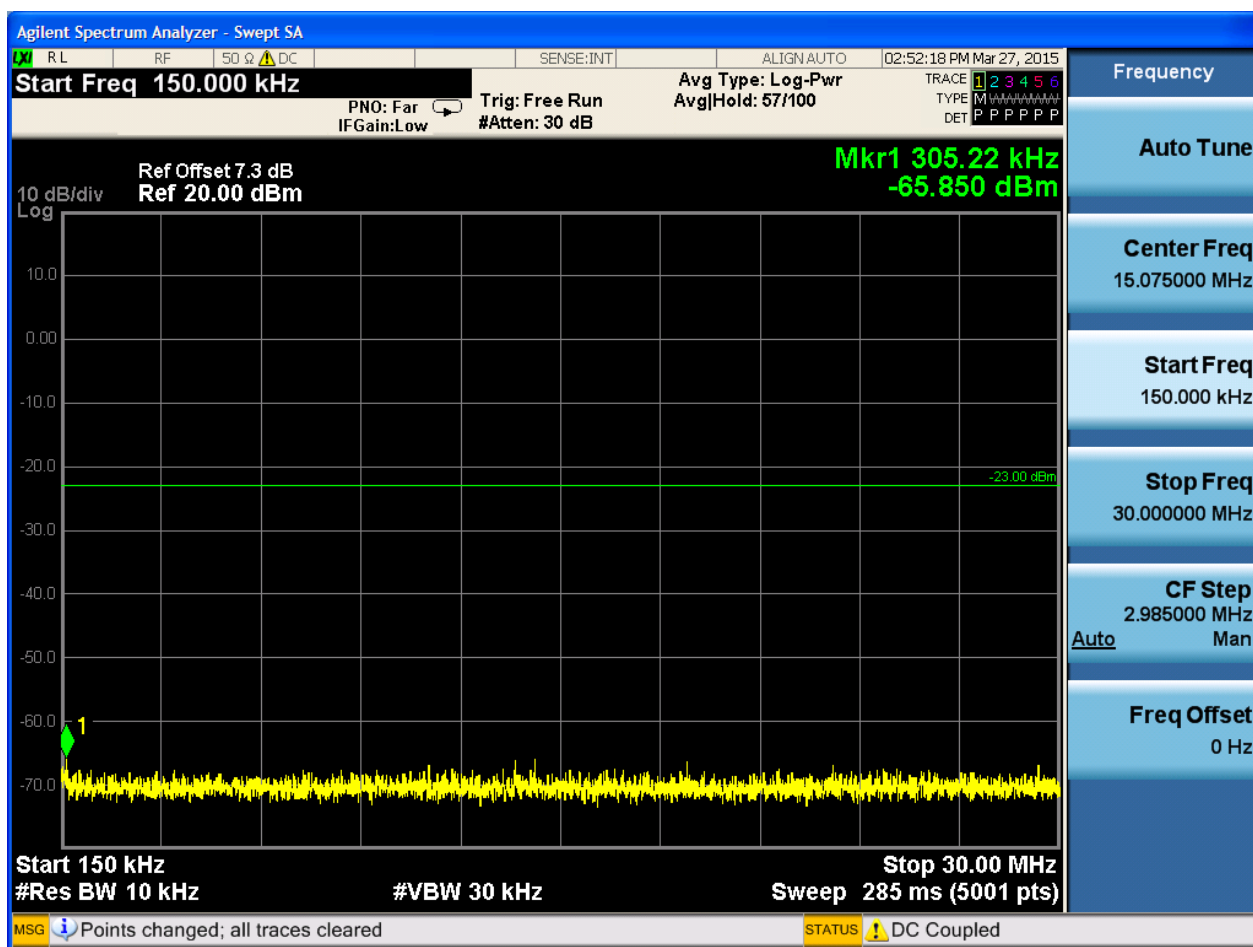


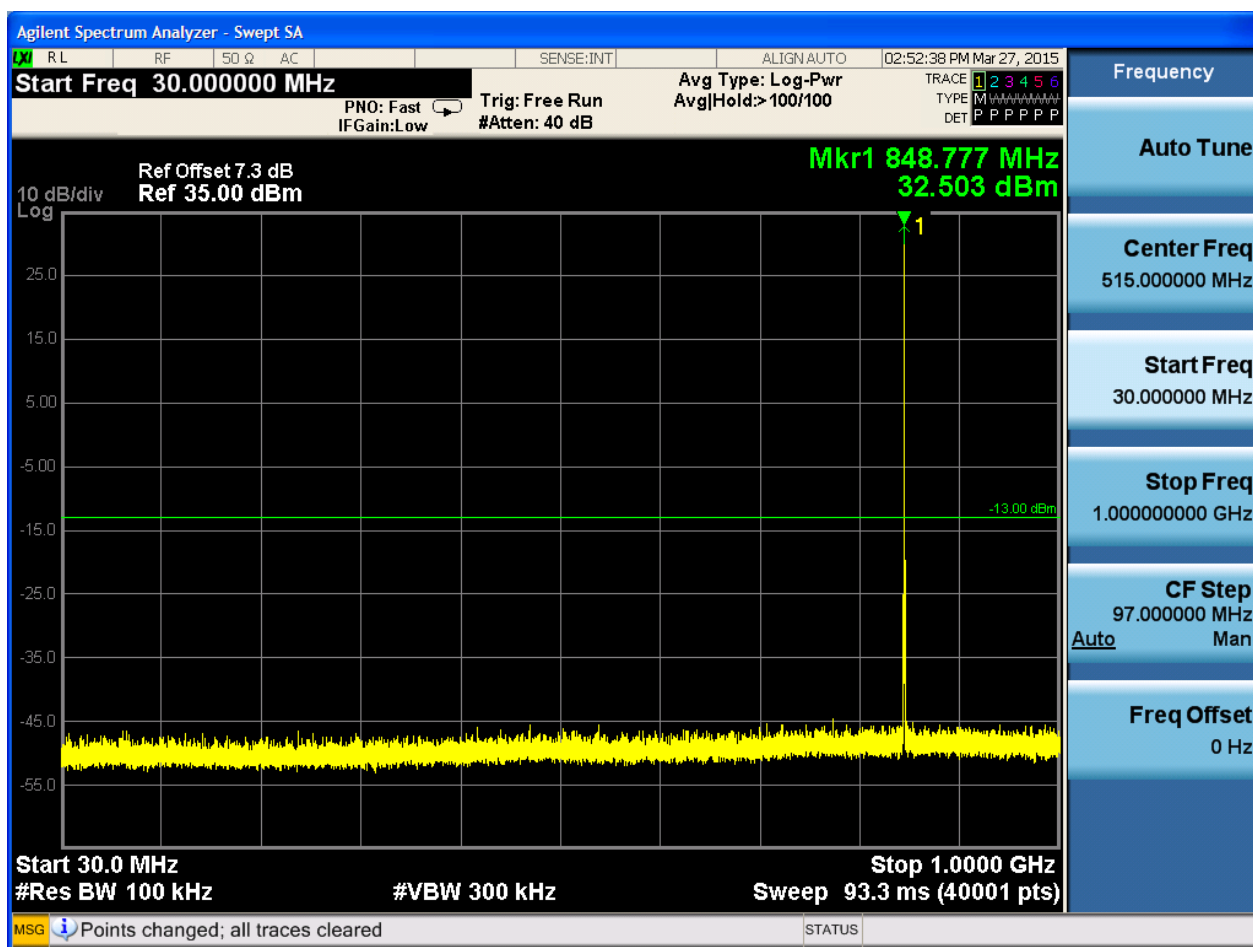


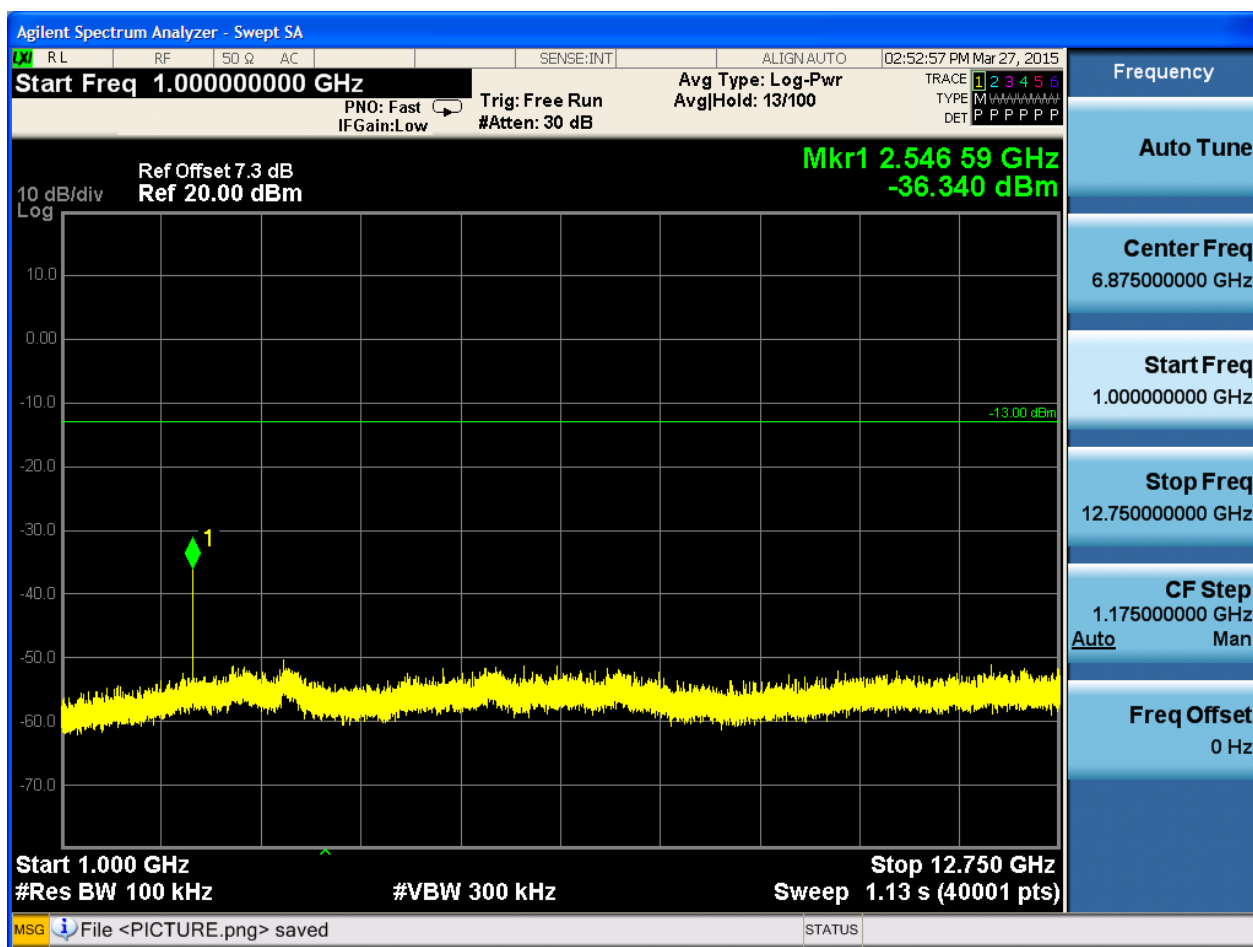


6.1.1.1.3 Test Channel = HCH



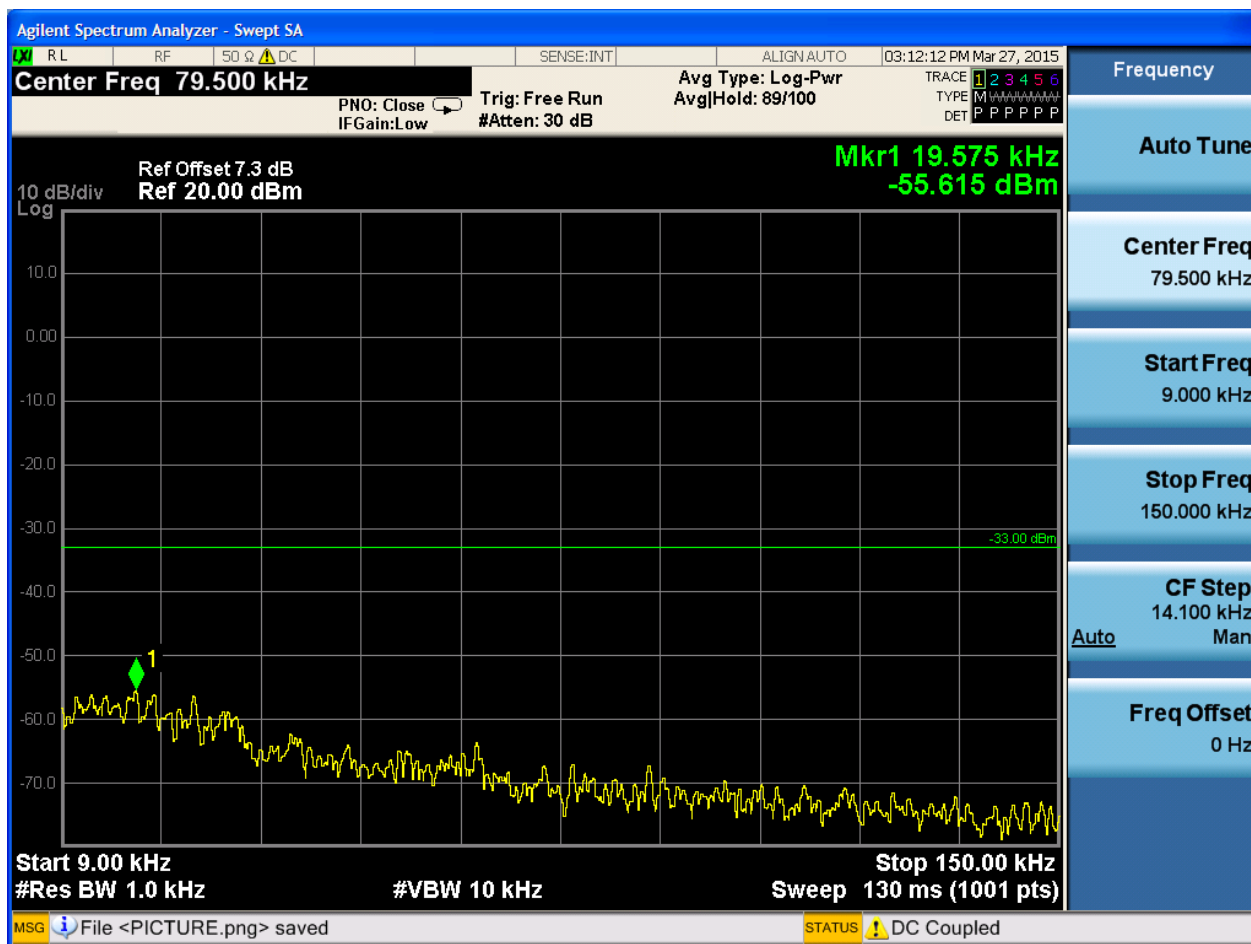


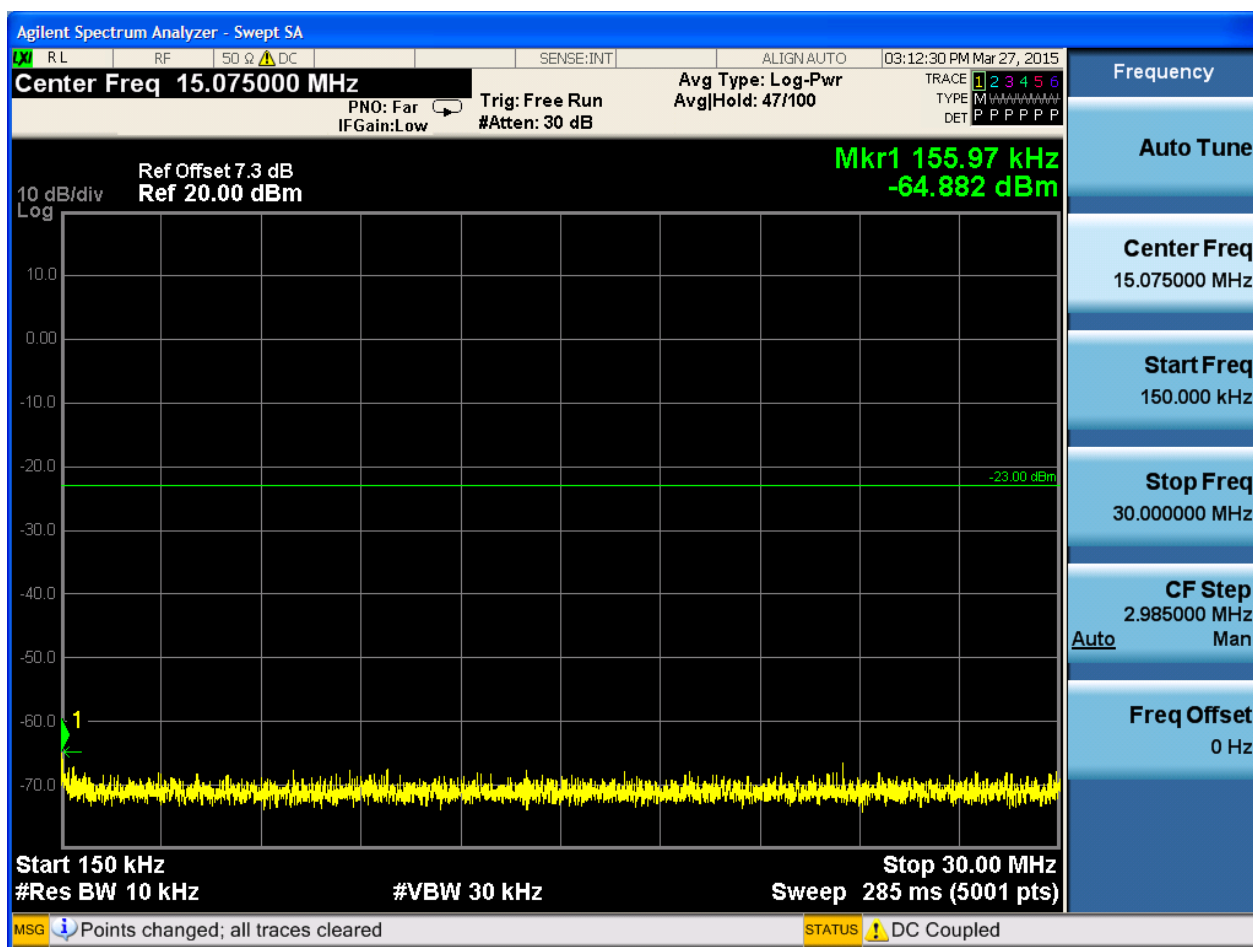


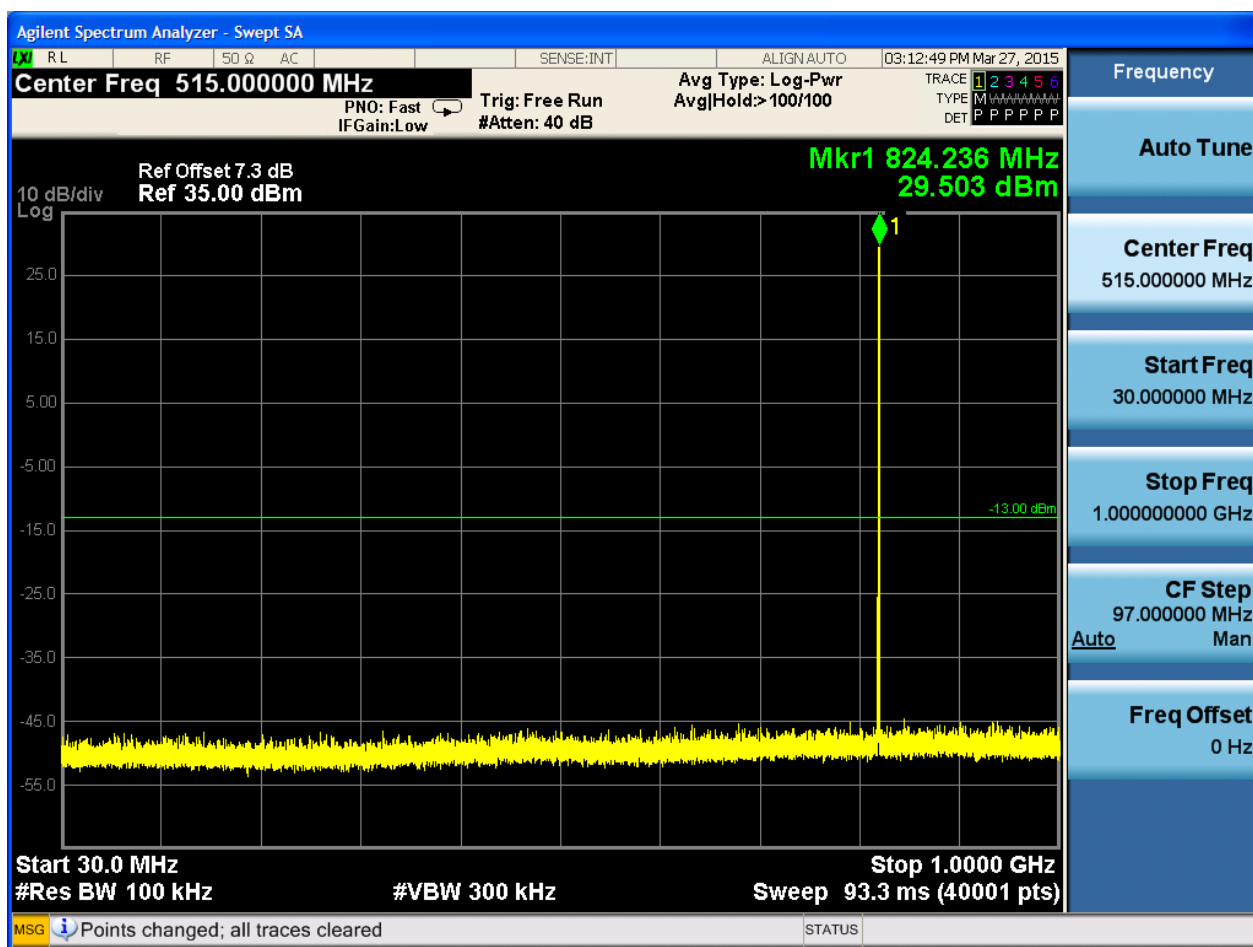


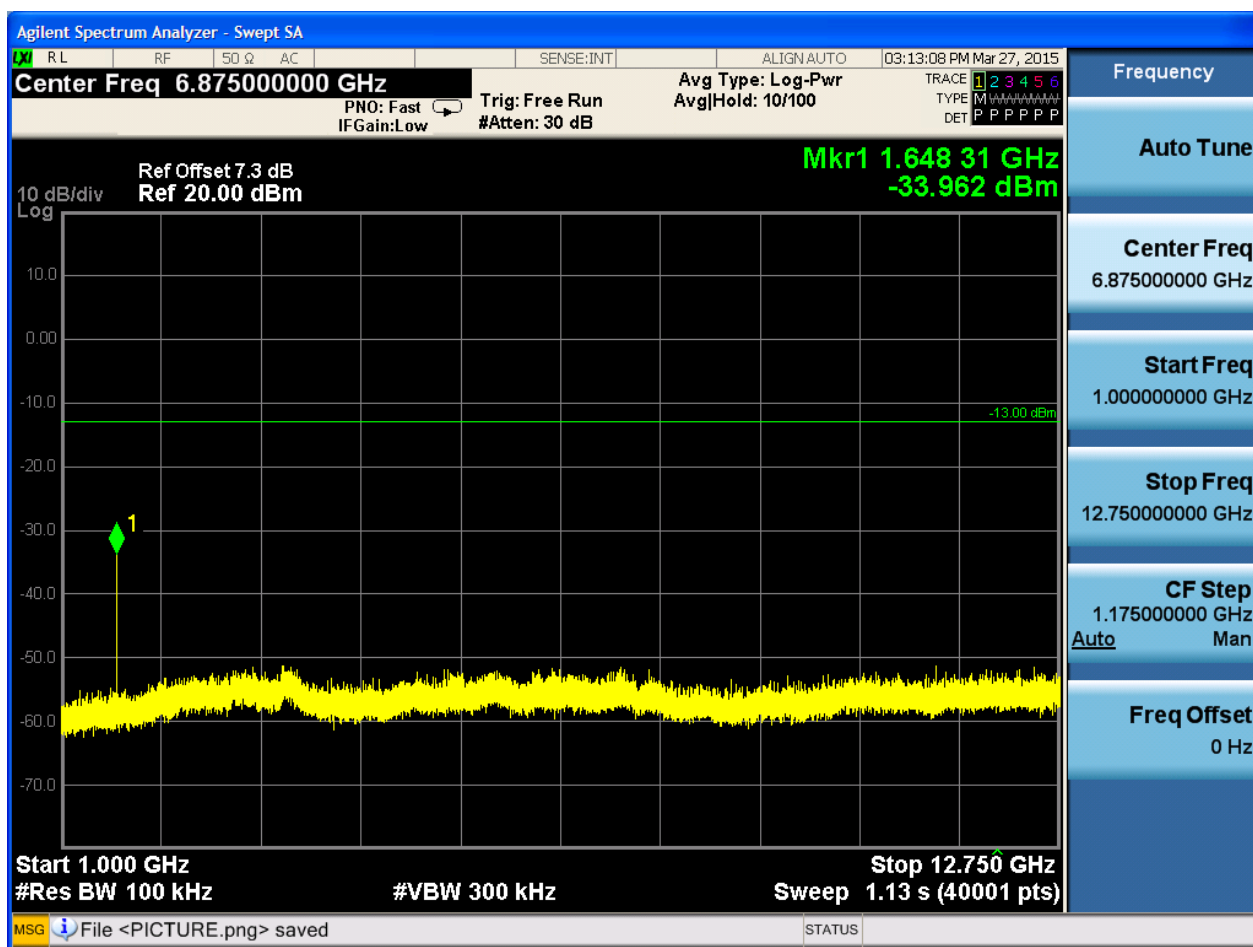
6.1.1.2 Test Mode = GSM/TM2

6.1.1.2.1 Test Channel = LCH



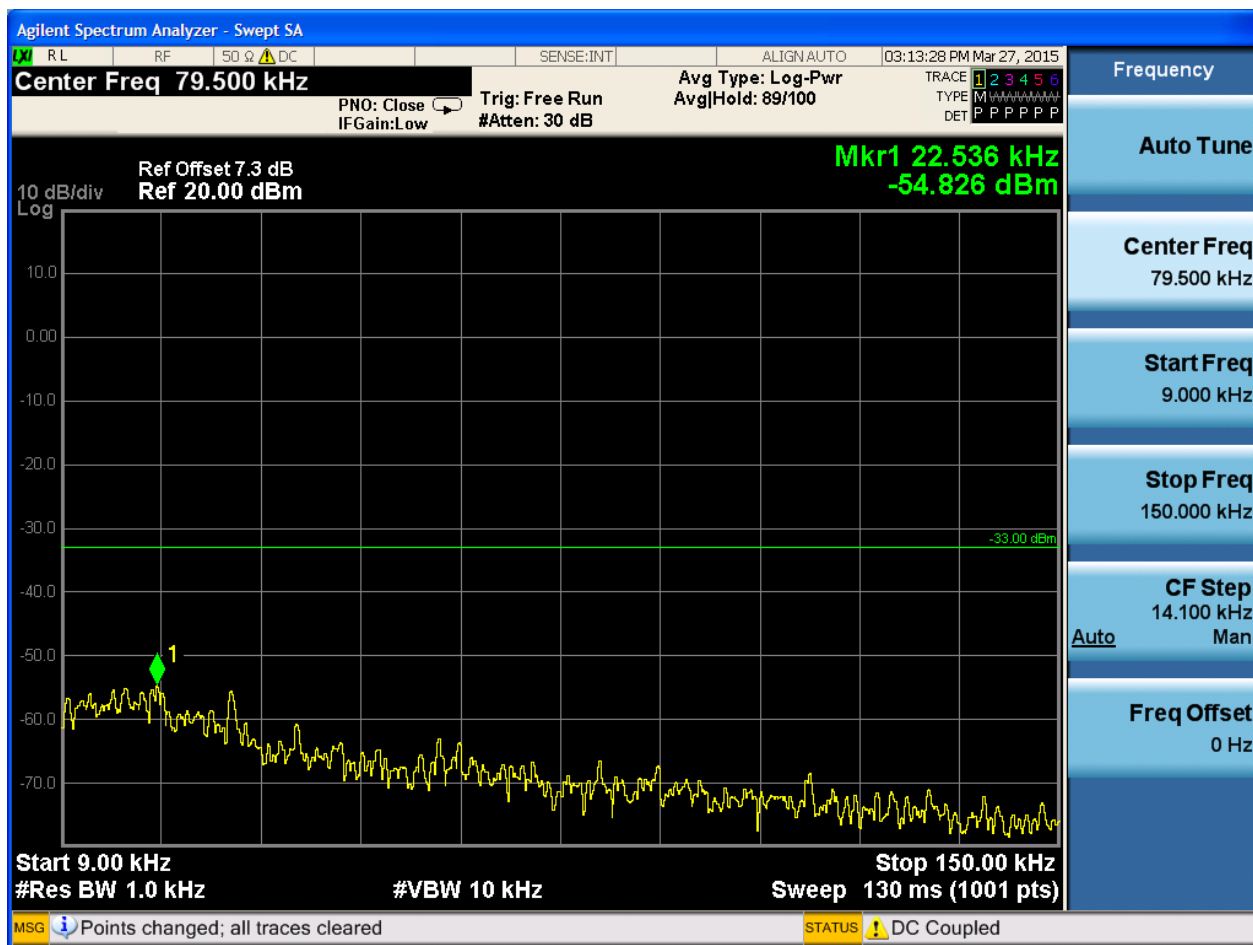


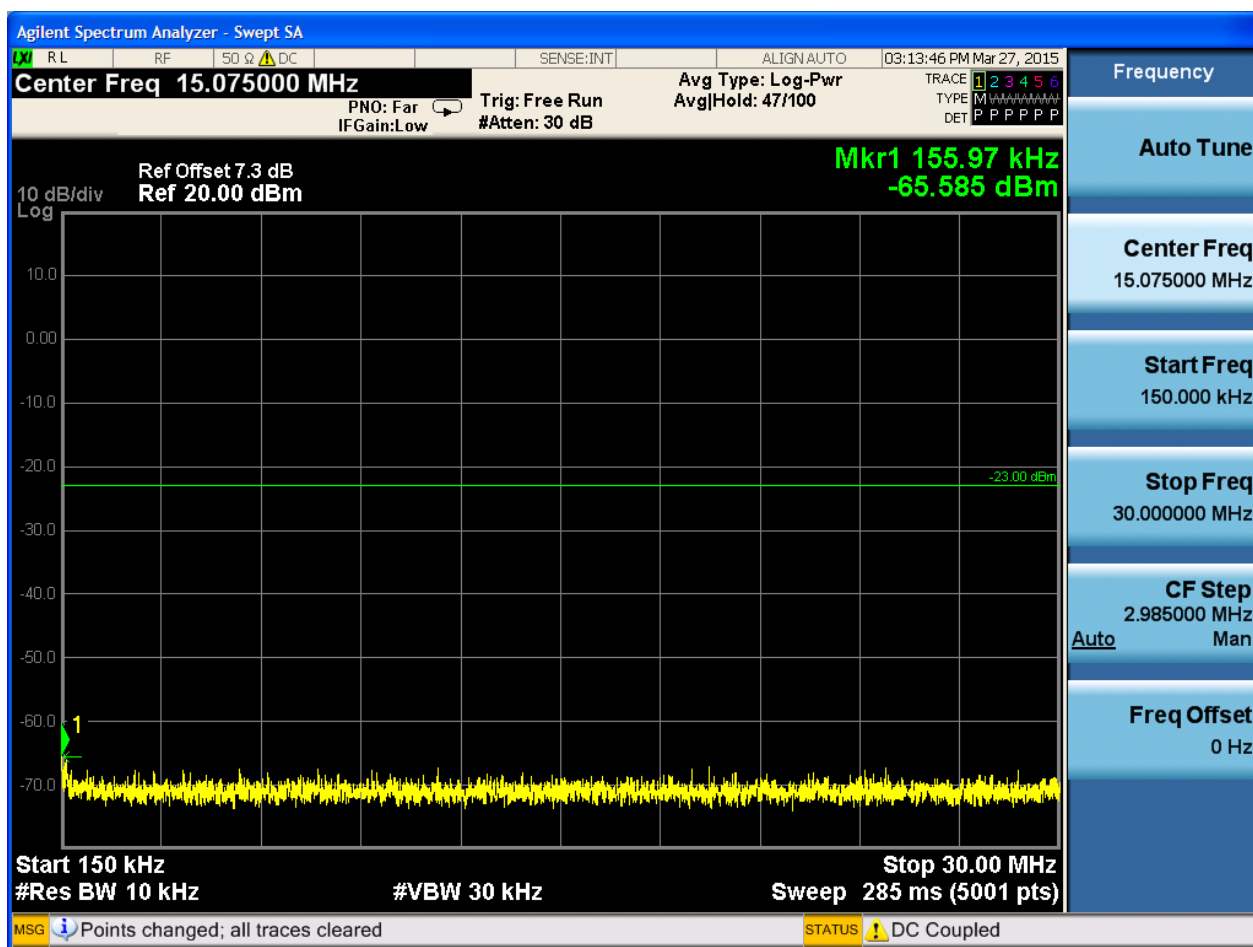


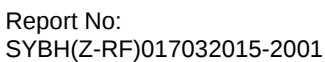
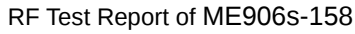


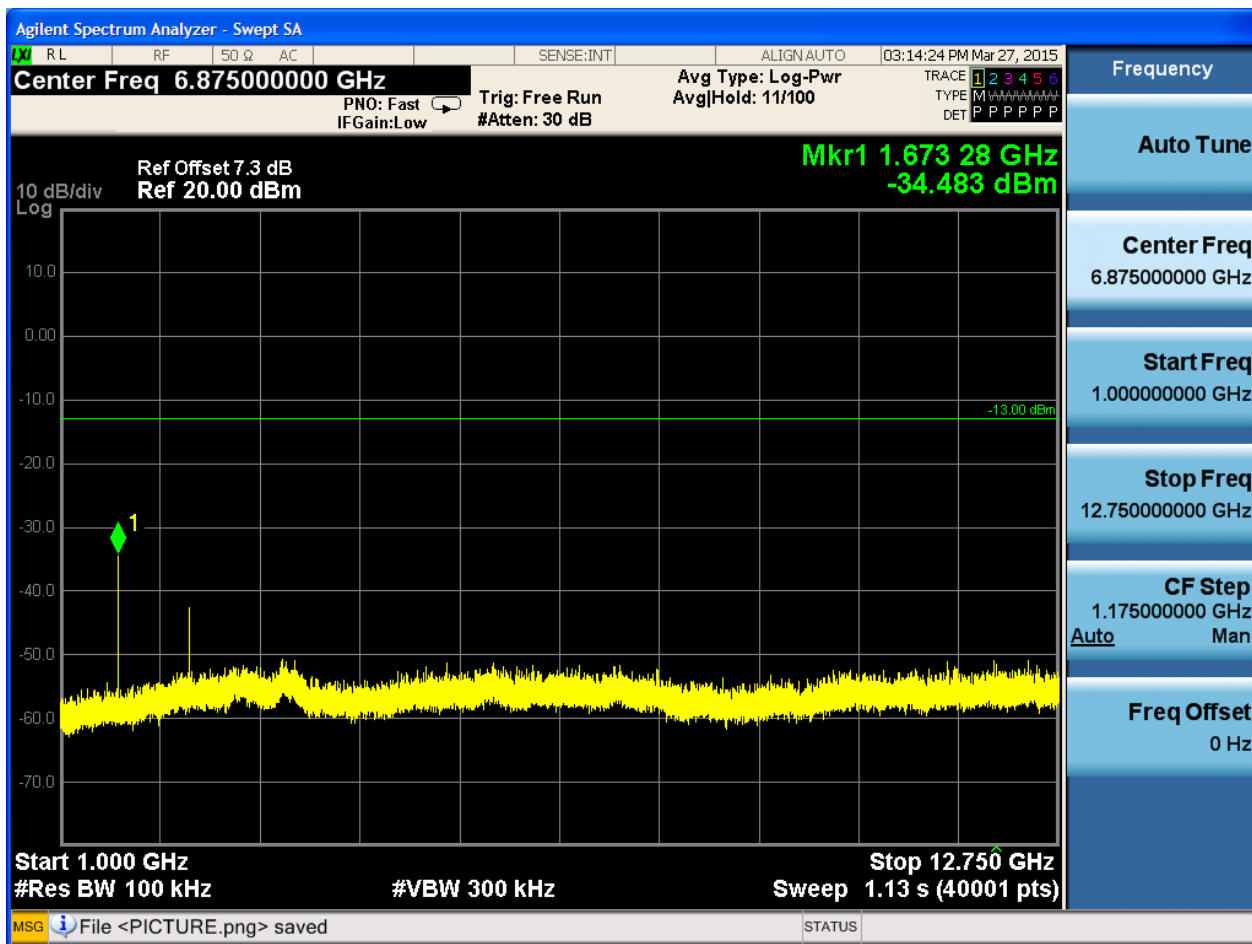


6.1.1.2.2 Test Channel = MCH

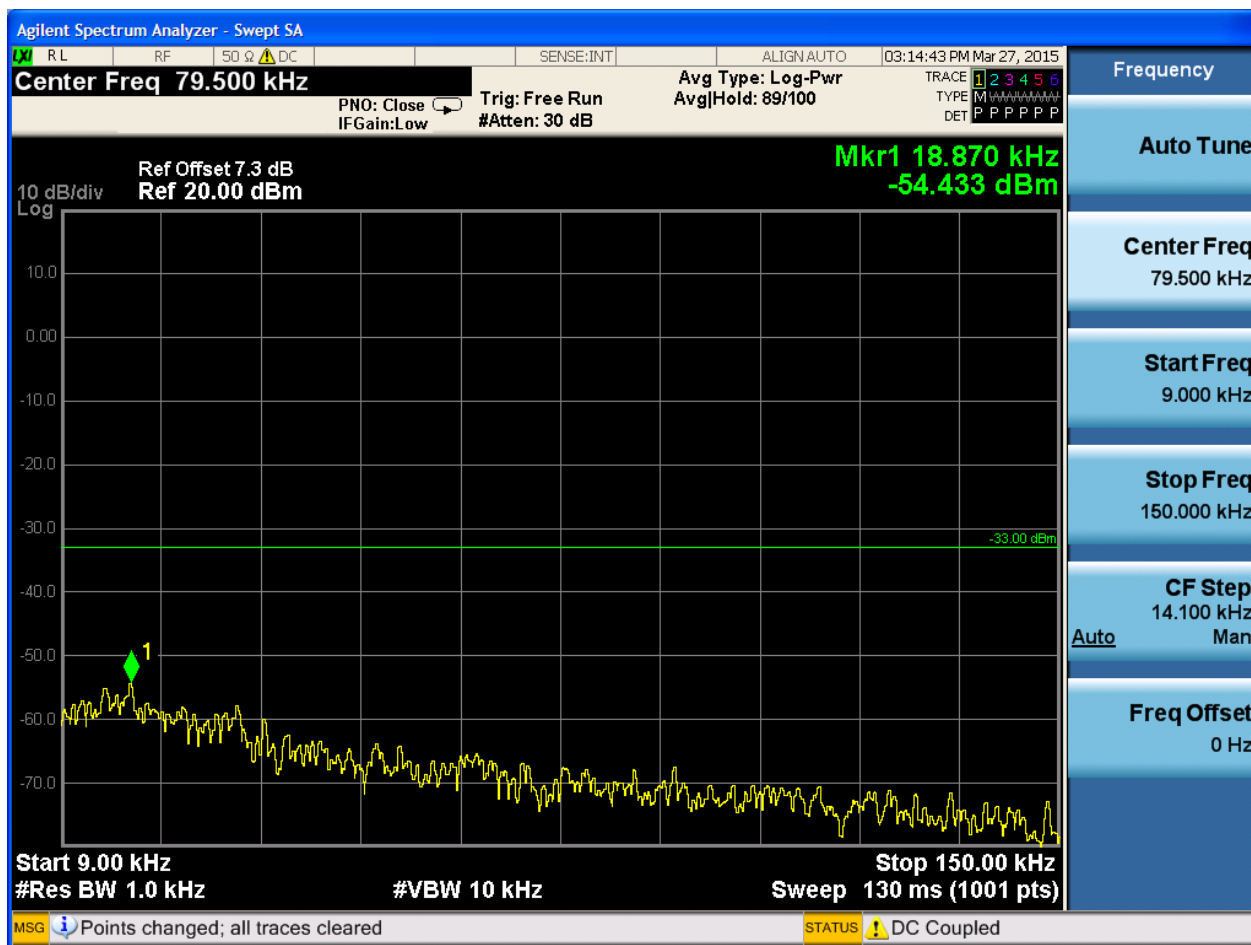


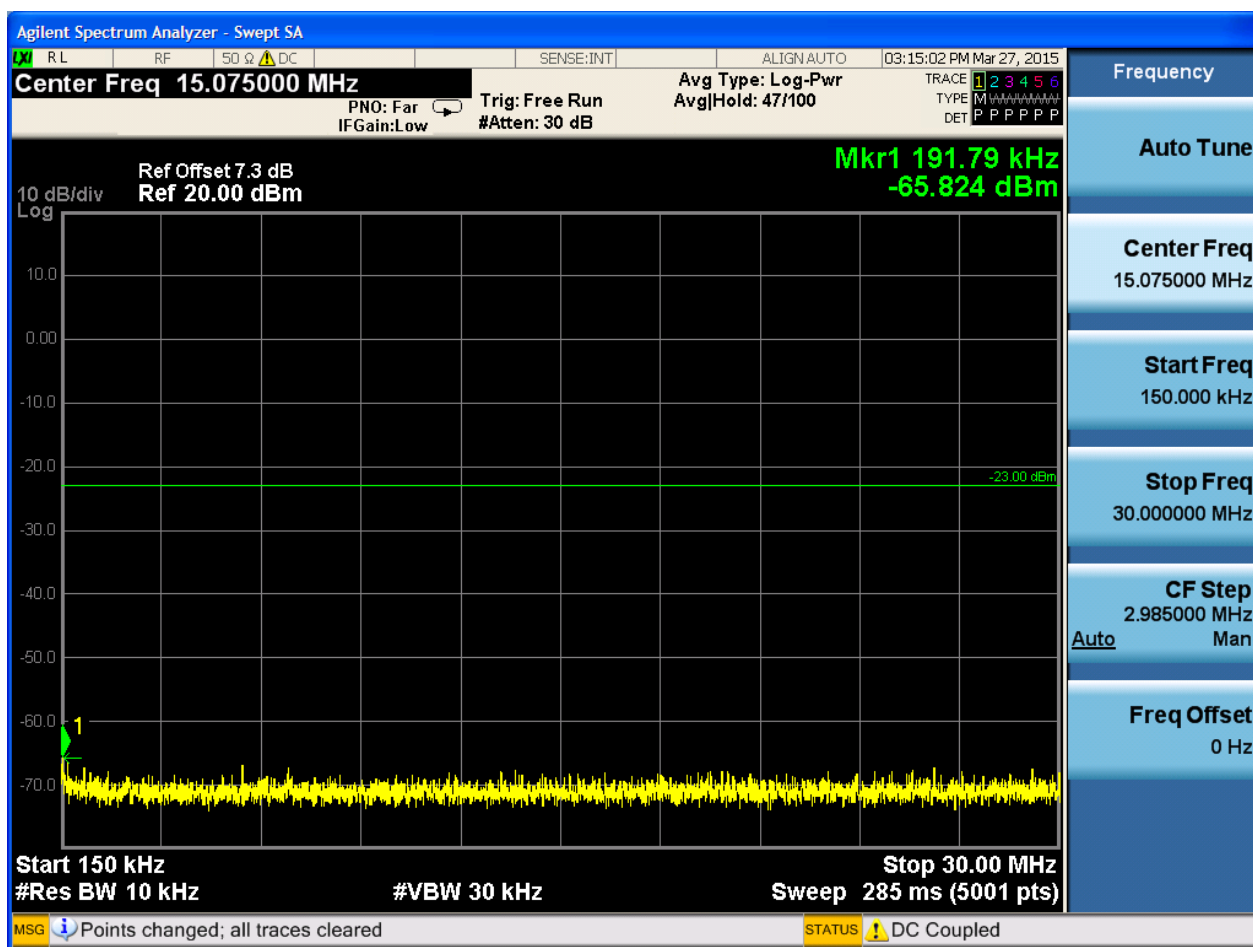


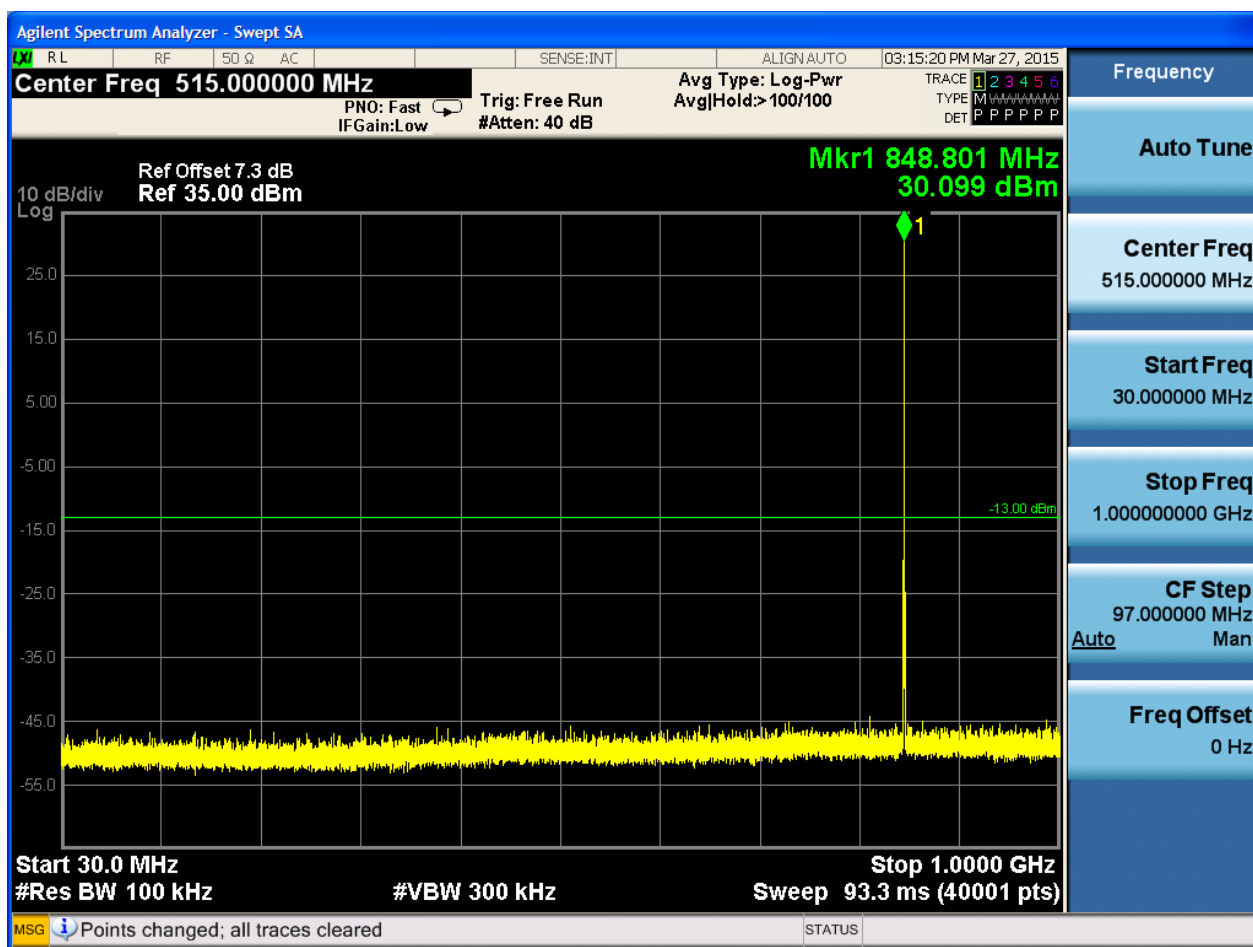


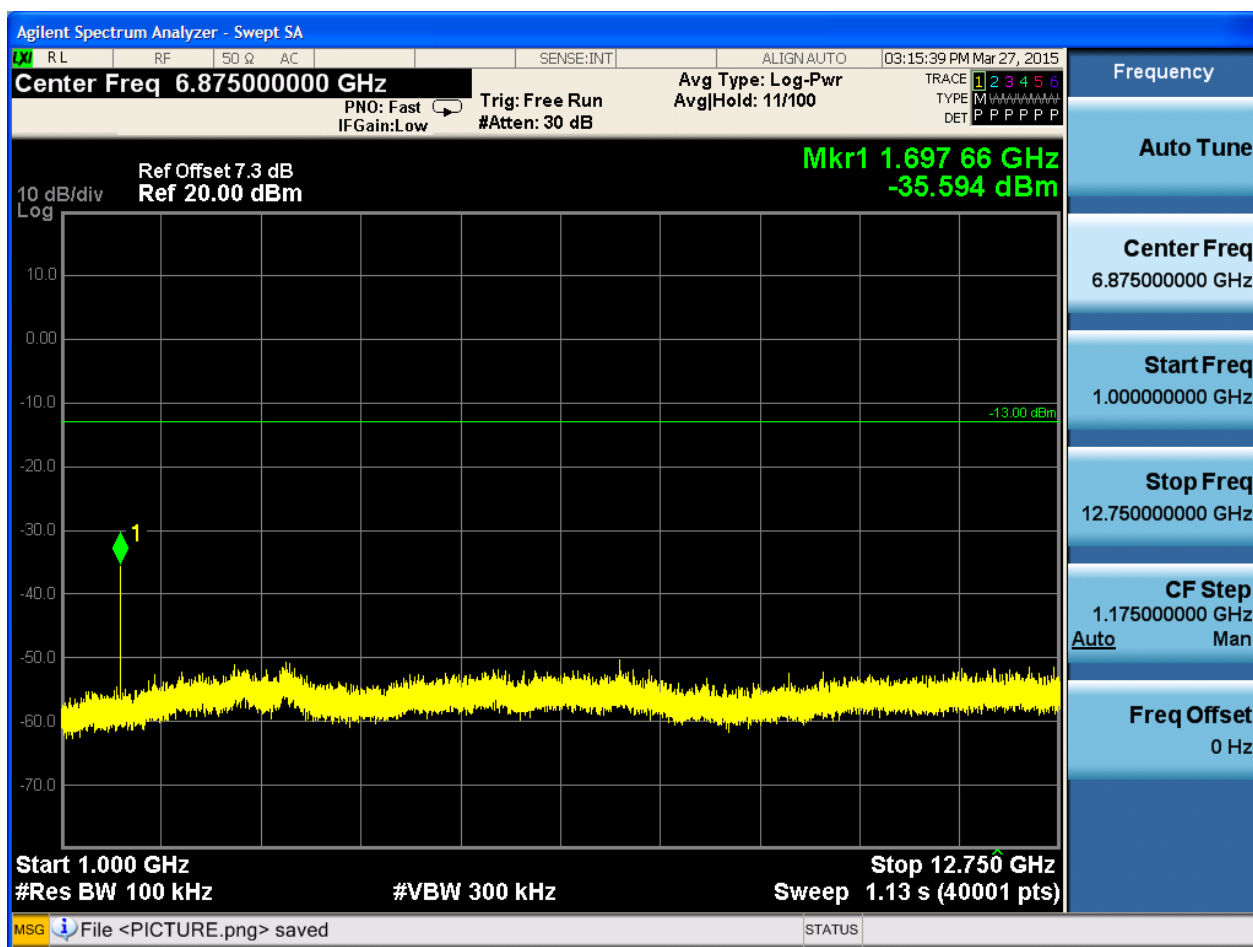


6.1.1.2.3 Test Channel = HCH







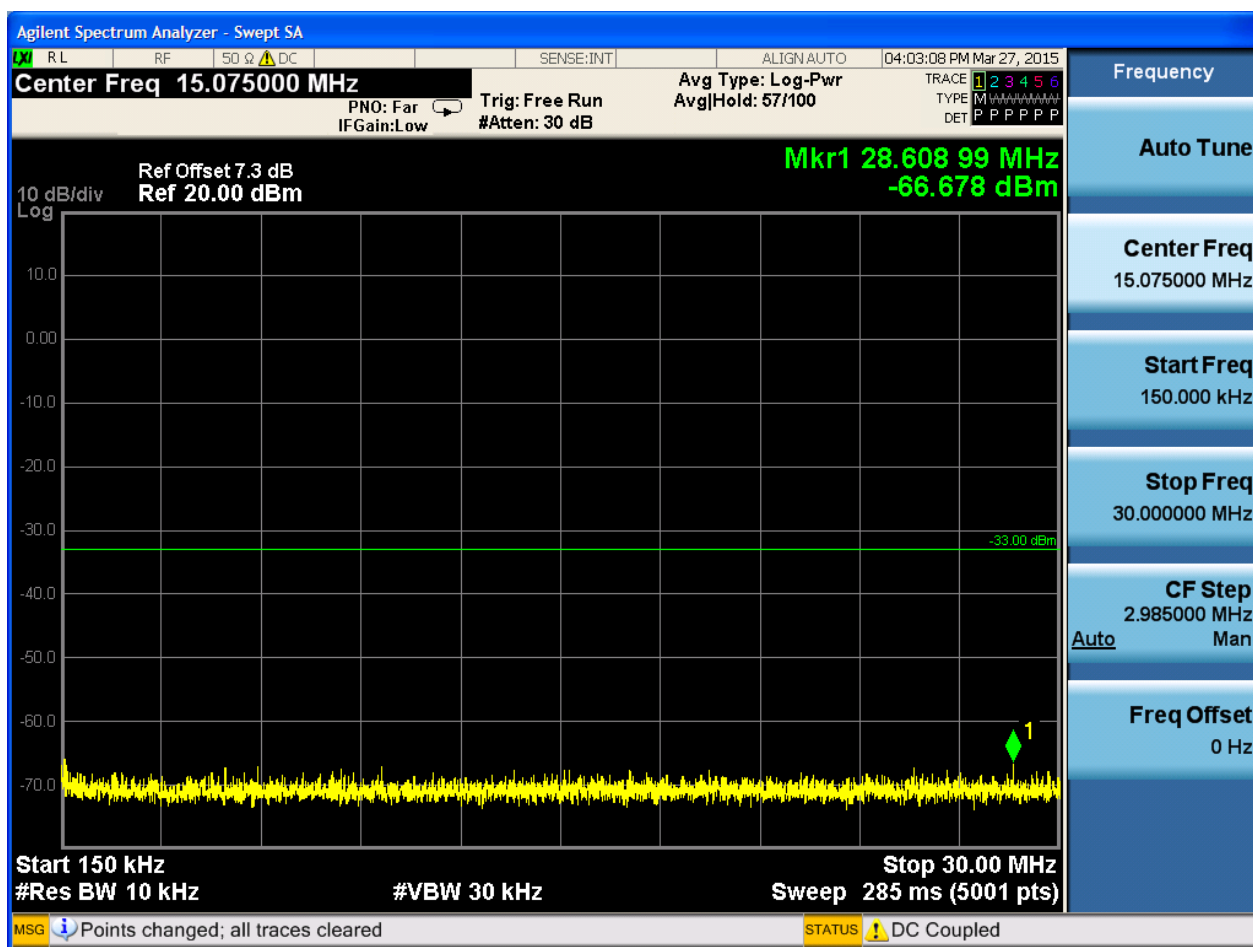


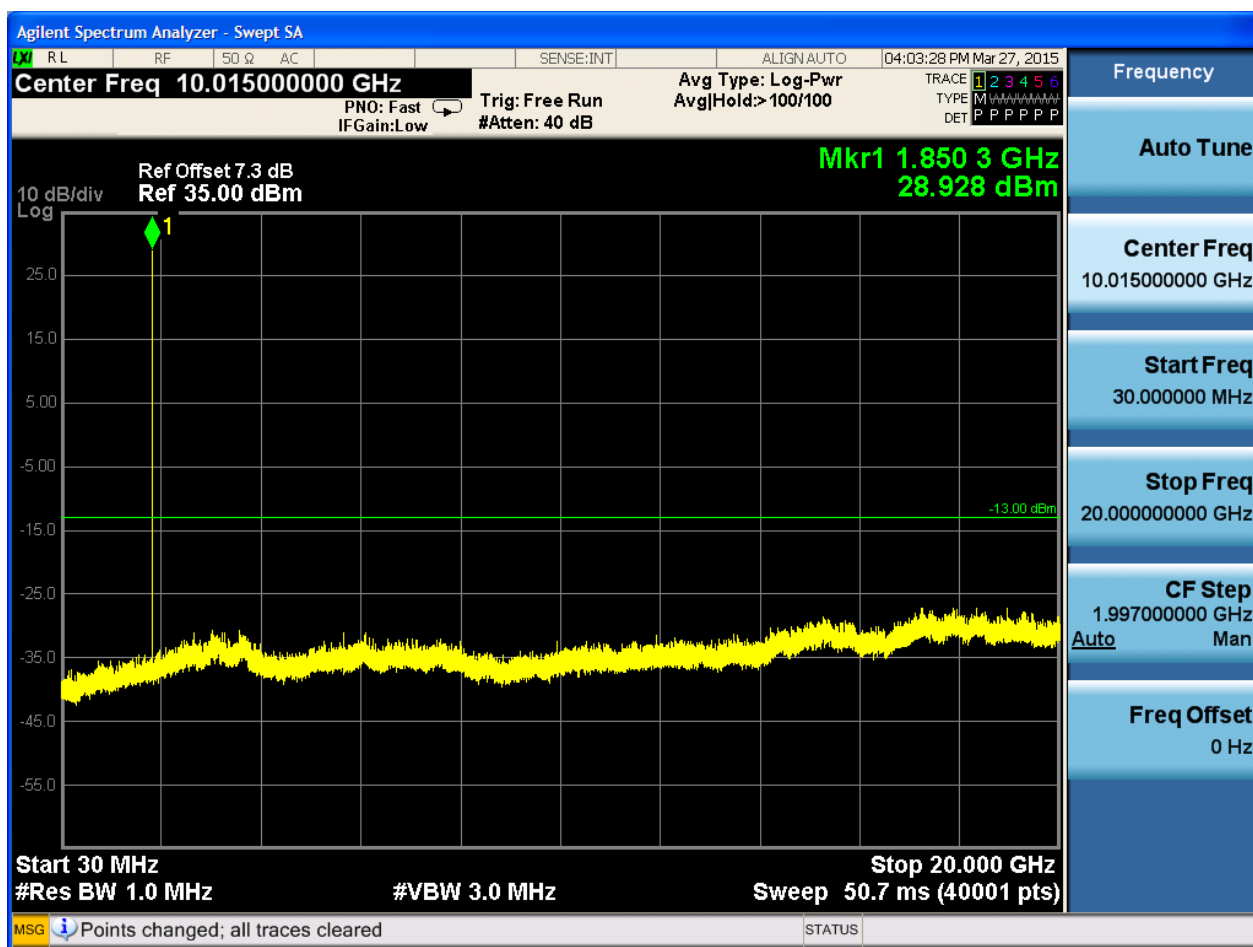
6.1.2 Test Band = GSM1900

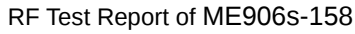
6.1.2.1 Test Mode = GSM/TM1

6.1.2.1.1 Test Channel = LCH









Agilent Spectrum Analyzer - Swept SA

Center Freq 79.500 kHz

Ref Offset 7.3 dB
Ref 17.30 dBm

Mkr1 10.410 kHz
-61.798 dBm

Start 9.00 kHz
#Res BW 1.0 kHz

Stop 150.00 kHz
Sweep 130 ms (1001 pts)

#VBW 10 kHz

Trig: Free Run
#Atten: 20 dB

PNO: Close
IFGain: Low

Avg Type: Log-Pwr
AvgHold: 100/100

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET P P P P P P

Frequency

Auto Tune

Center Freq
79.500 kHz

Start Freq
9.000 kHz

Stop Freq
150.000 kHz

CF Step
14.100 kHz
Man

Auto

Freq Offset
0 Hz

10 dB/div
Log

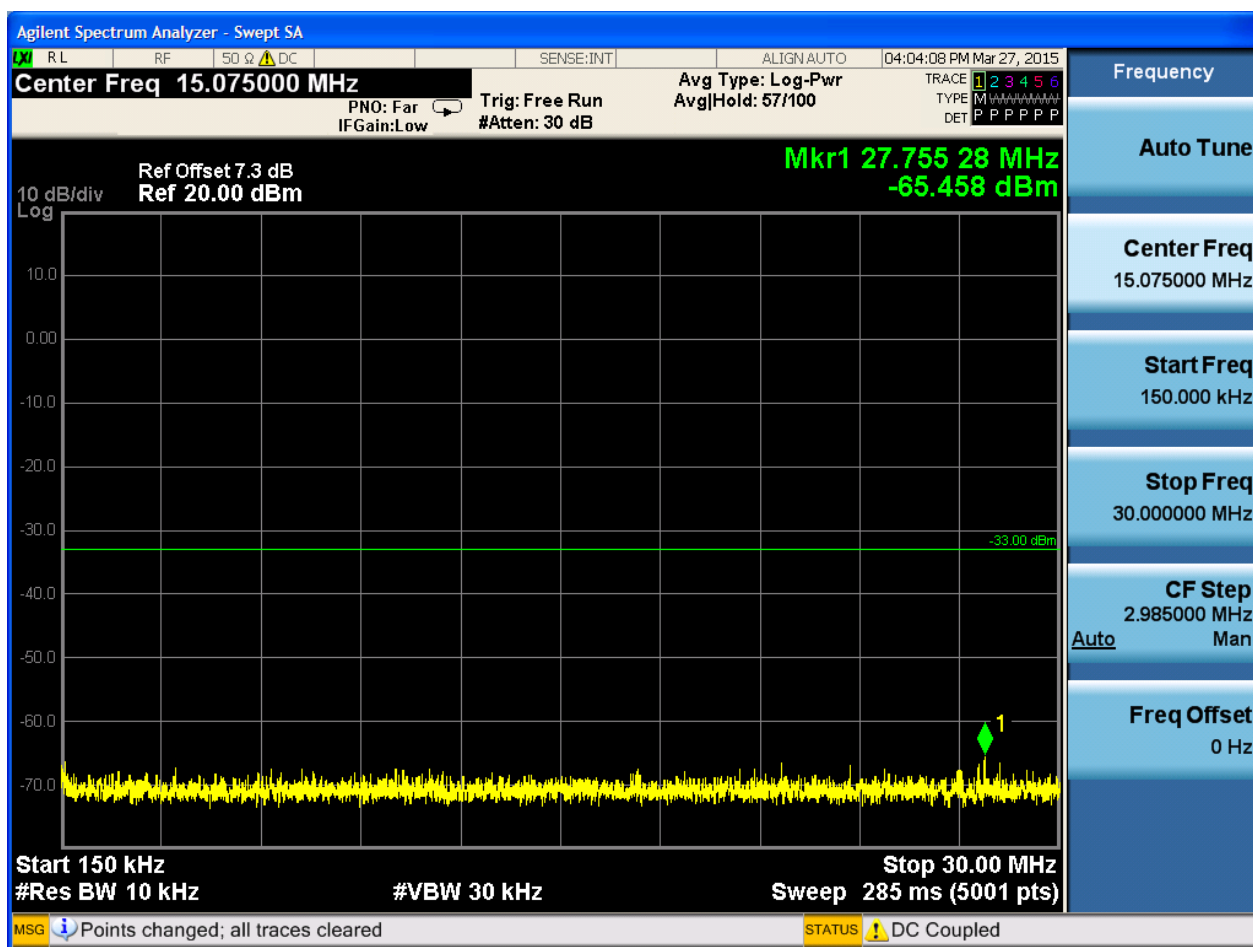
7.30
-2.70
-12.7
-22.7
-32.7
-42.7
-52.7
-62.7
-72.7

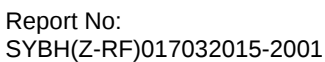
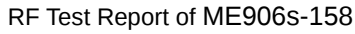
-43.00 dBm

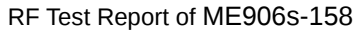
1

MSG ⓘ Points changed; all traces cleared

STATUS ⚠ DC Coupled







Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN:AUTO 04:04:49 PM Mar 27, 2015

Center Freq 79.500 kHz Avg Type: Log-Pwr
PNO: Close Trig: Free Run
IFGain:Low #Atten: 20 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET P P P P P P

Ref Offset 7.3 dB
Ref 17.30 dBm

Mkr1 9.000 kHz
-61.303 dBm

10 dB/div
Log

7.30
-2.70
-12.7
-22.7
-32.7
-42.7
-52.7
-62.7
-72.7

-43.00 dBm

1

Start 9.00 kHz
#Res BW 1.0 kHz

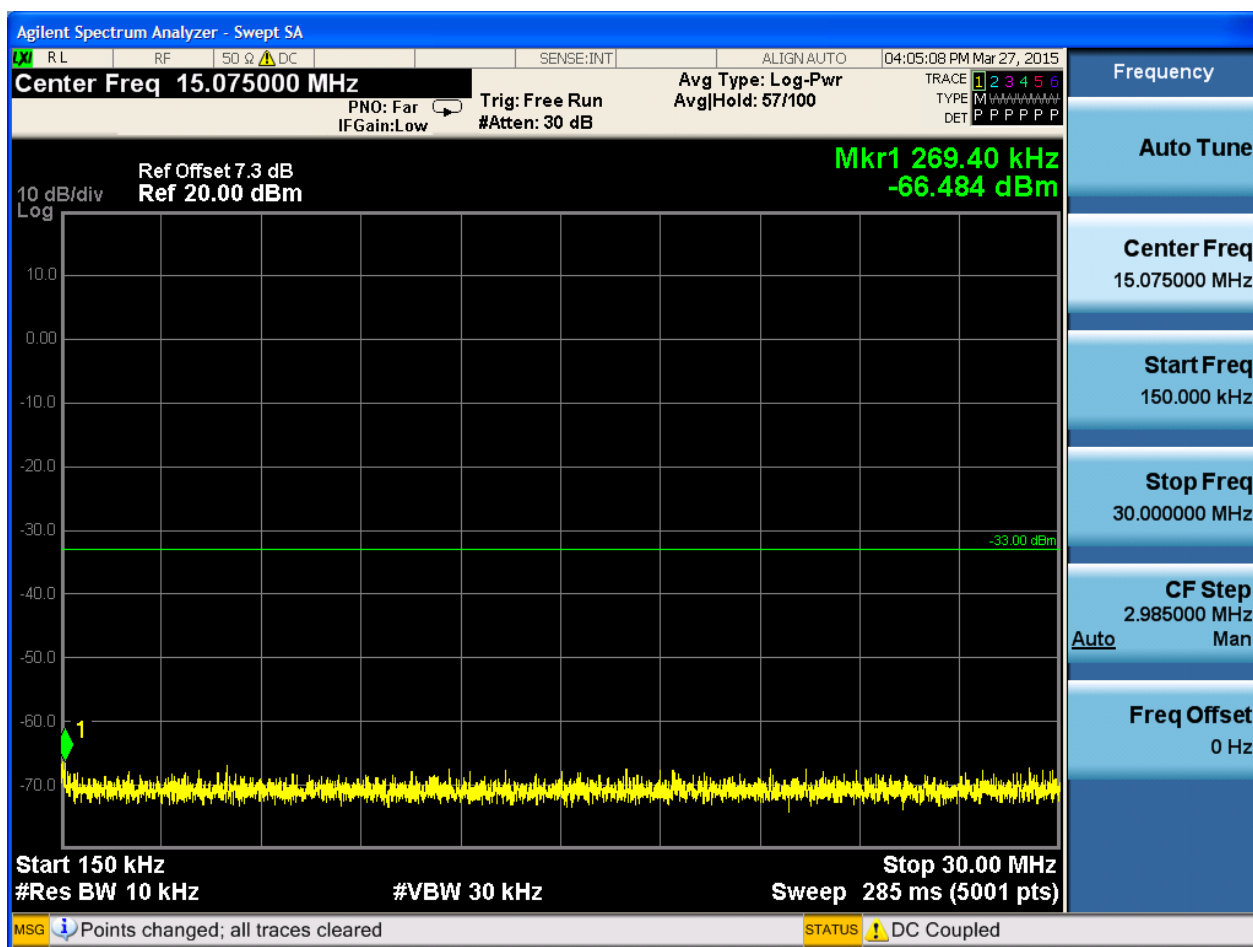
Stop 150.00 kHz
Sweep 130 ms (1001 pts)

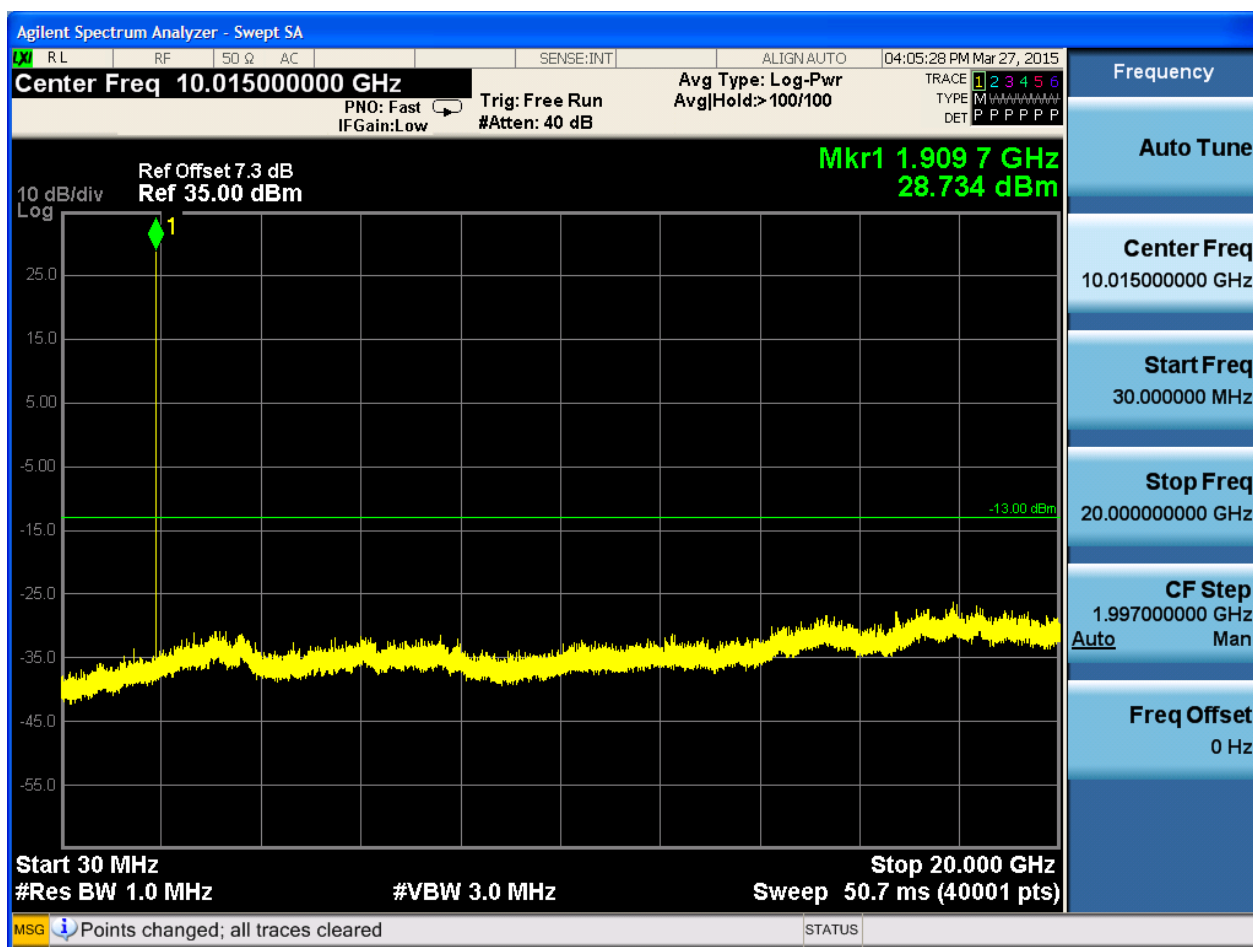
#VBW 10 kHz

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

MSG Points changed; all traces cleared

STATUS DC Coupled

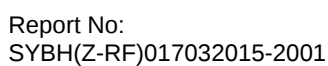
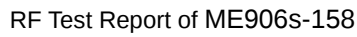


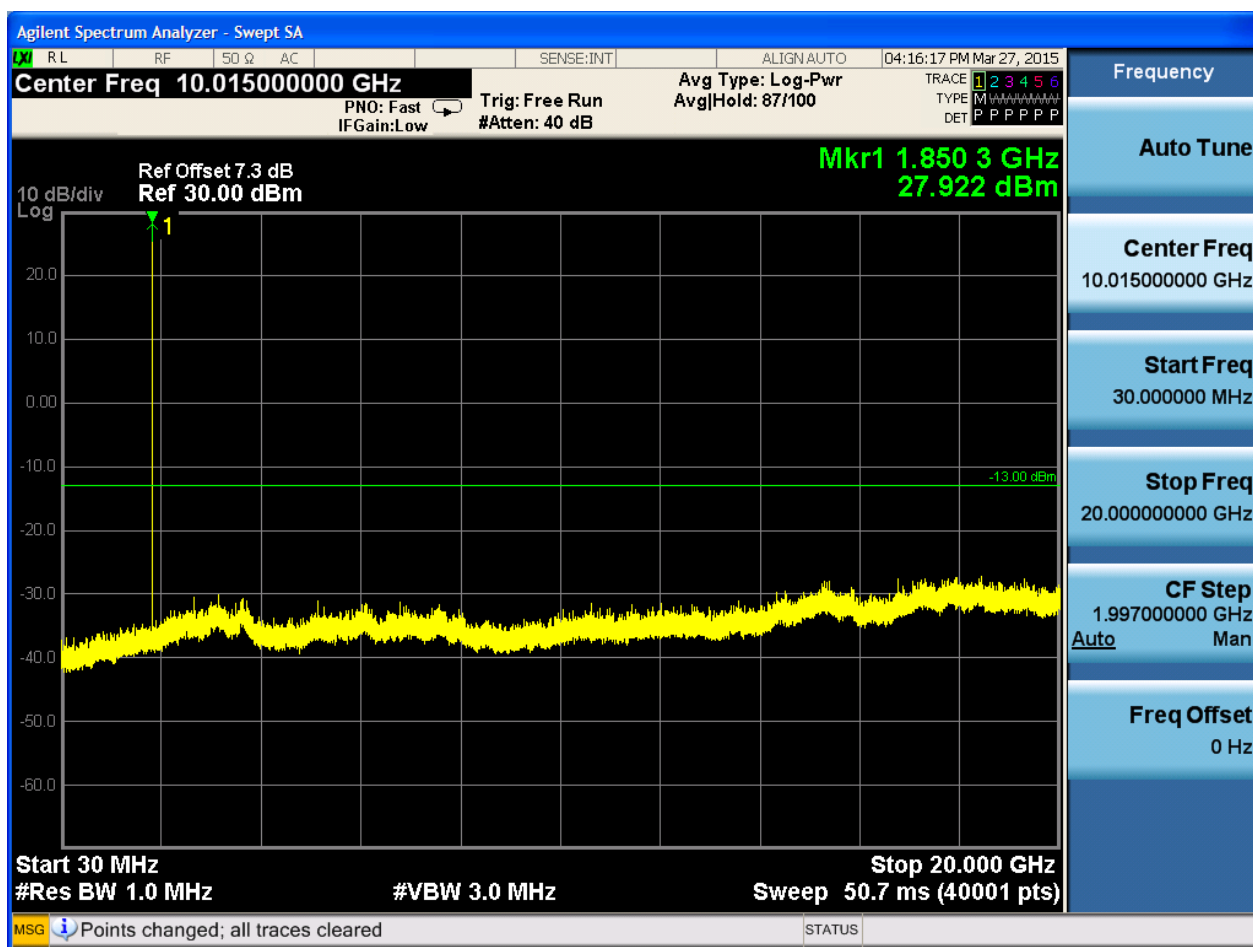


6.1.2.2 Test Mode = GSM/TM2

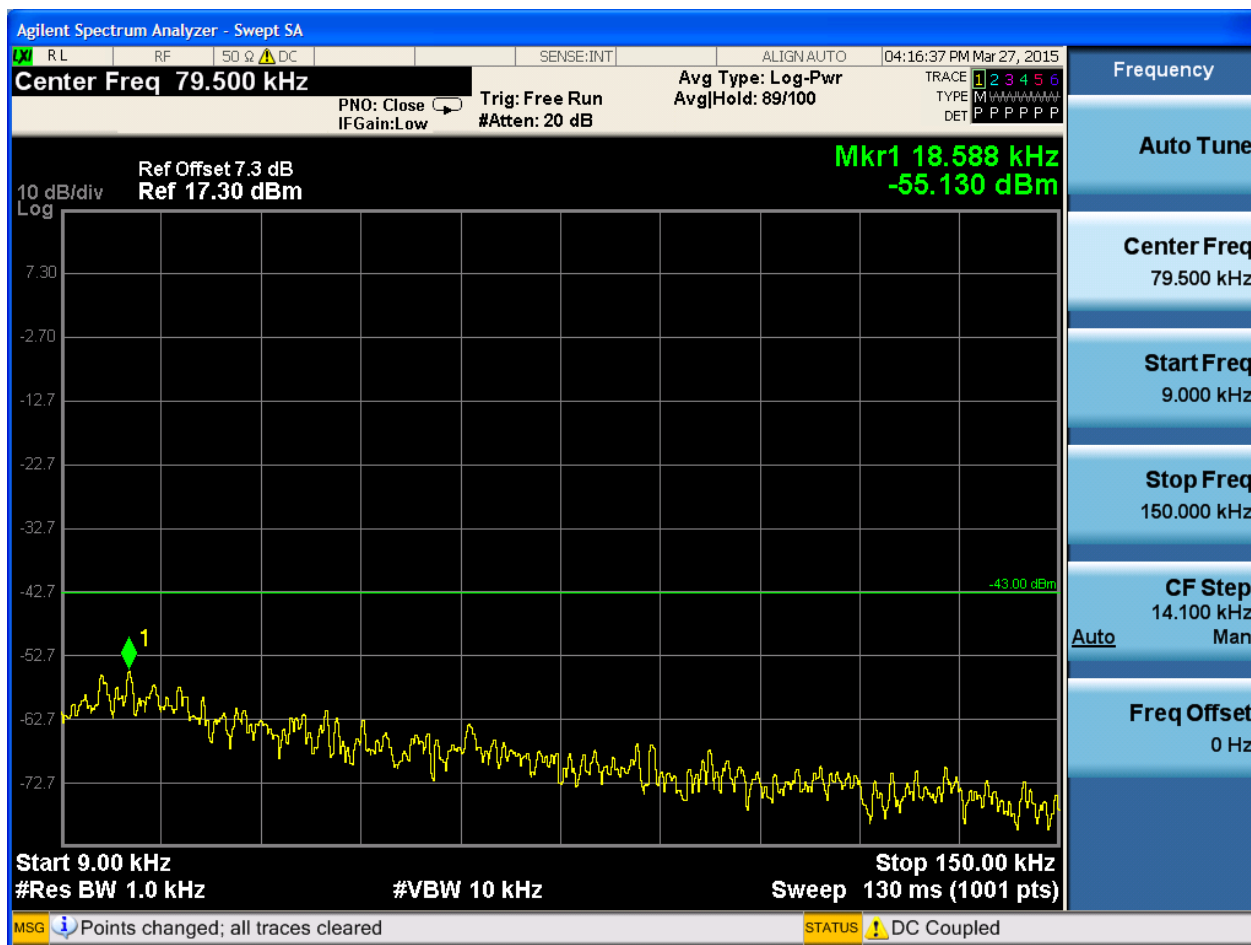
6.1.2.2.1 Test Channel = LCH

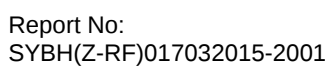
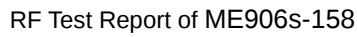


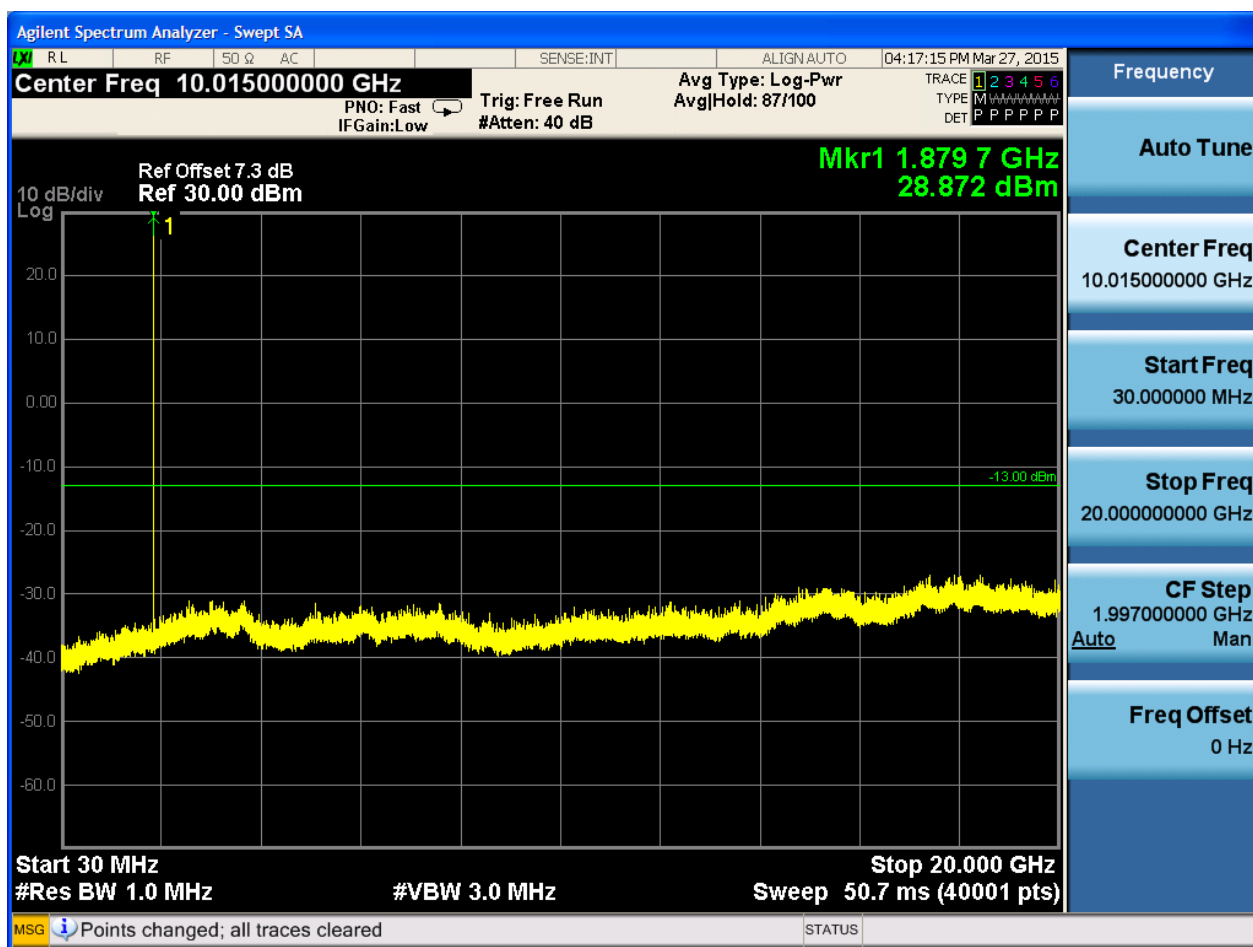




6.1.2.2.2 Test Channel = MCH

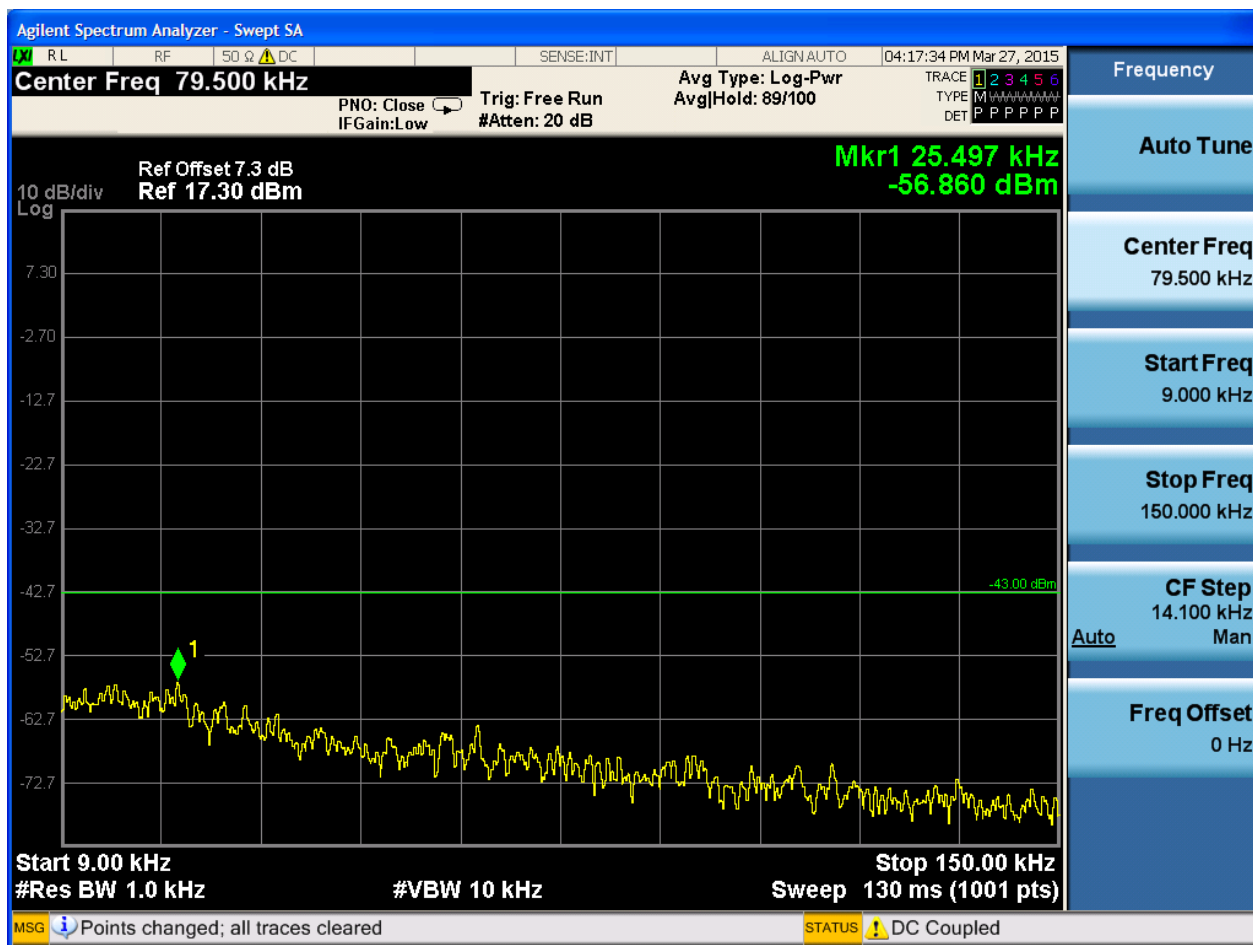


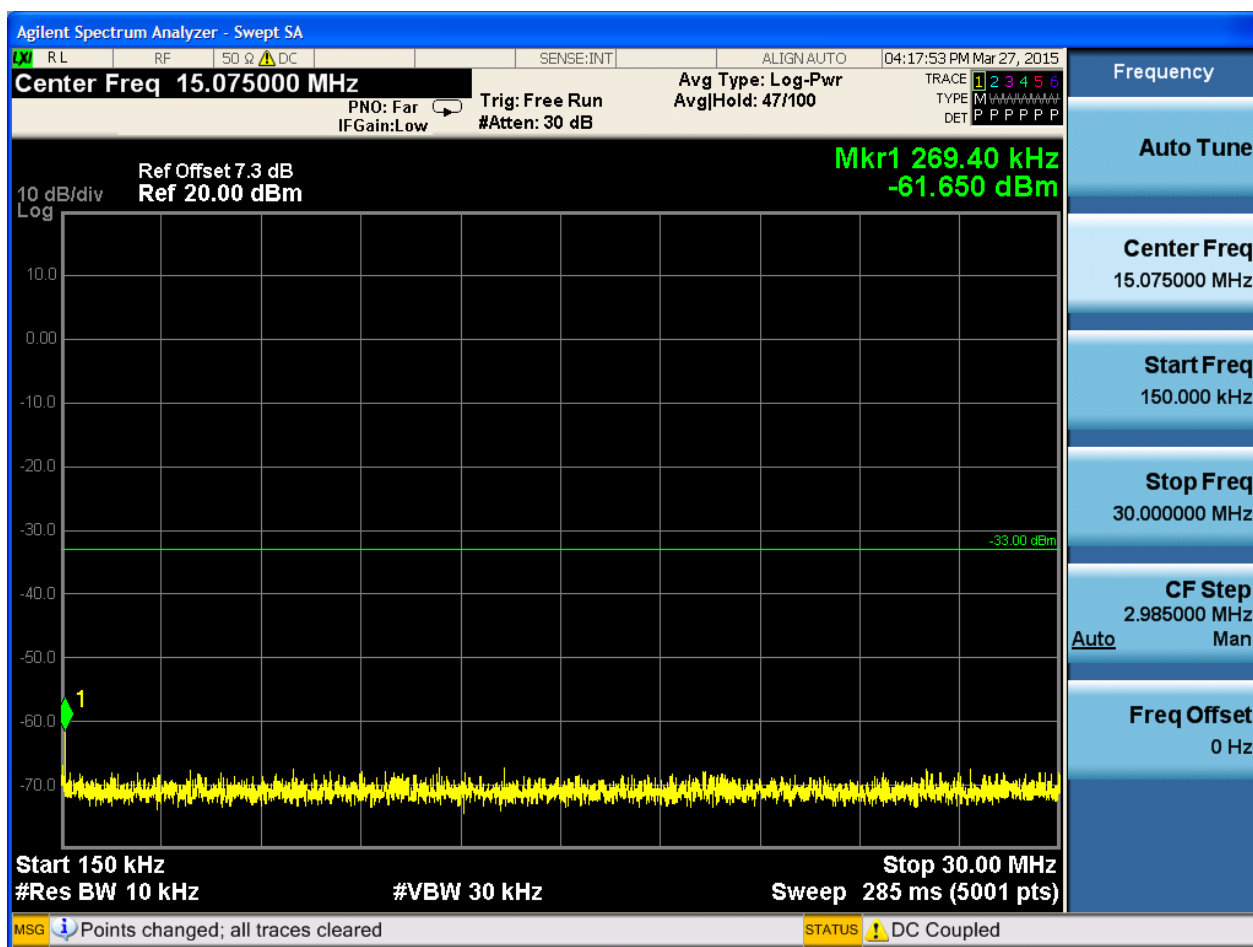


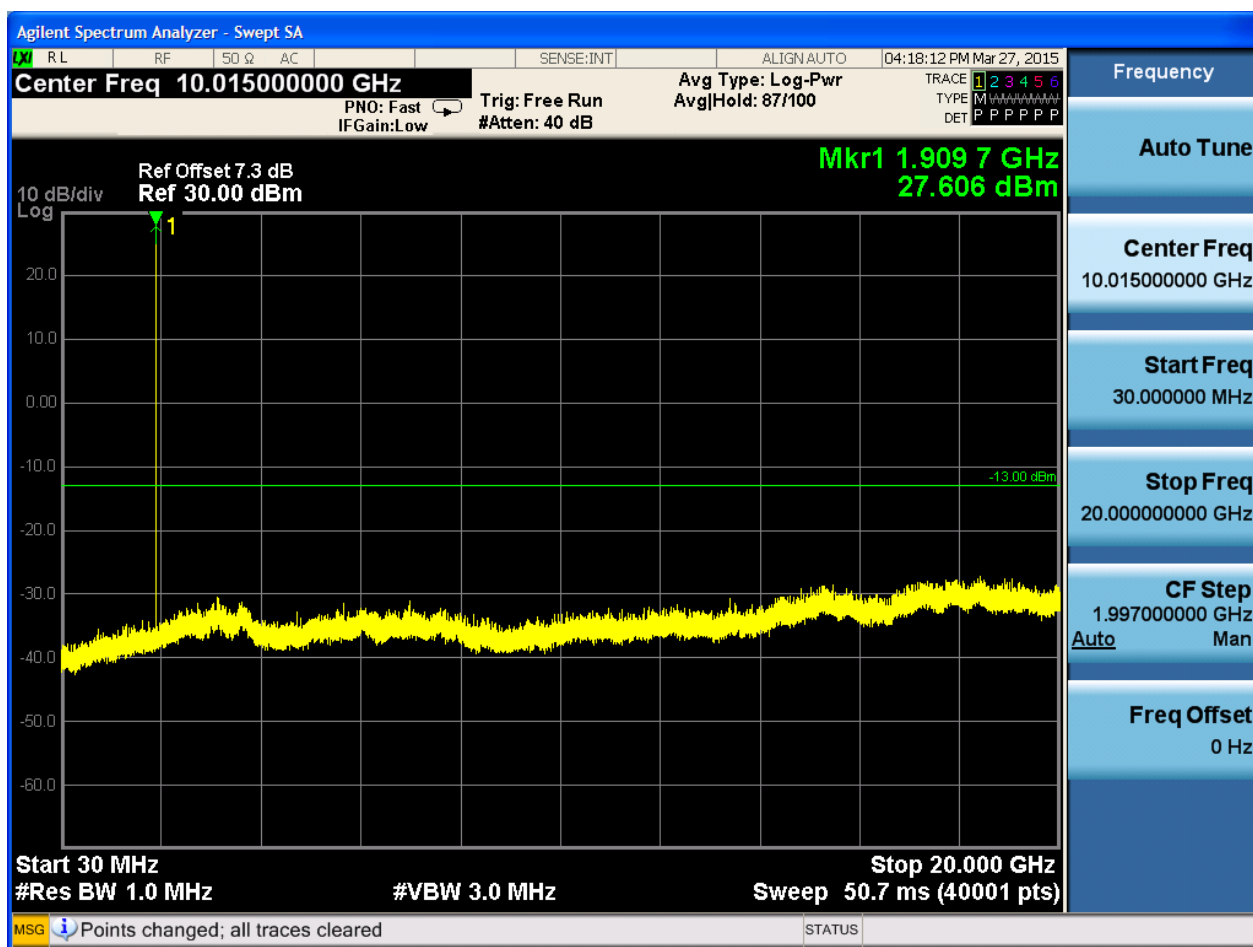




6.1.2.2.3 Test Channel = HCH







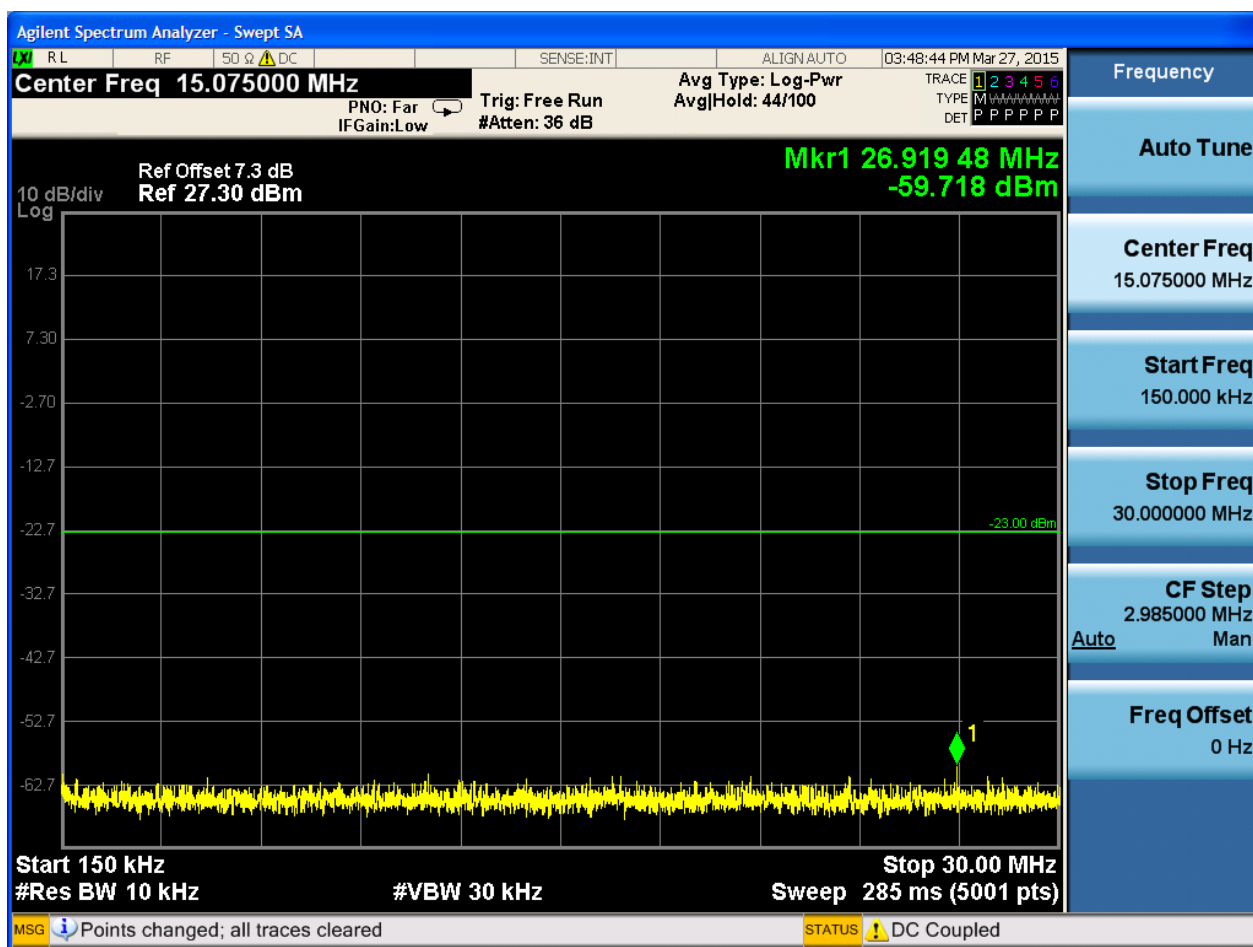
6.2 For UMTS

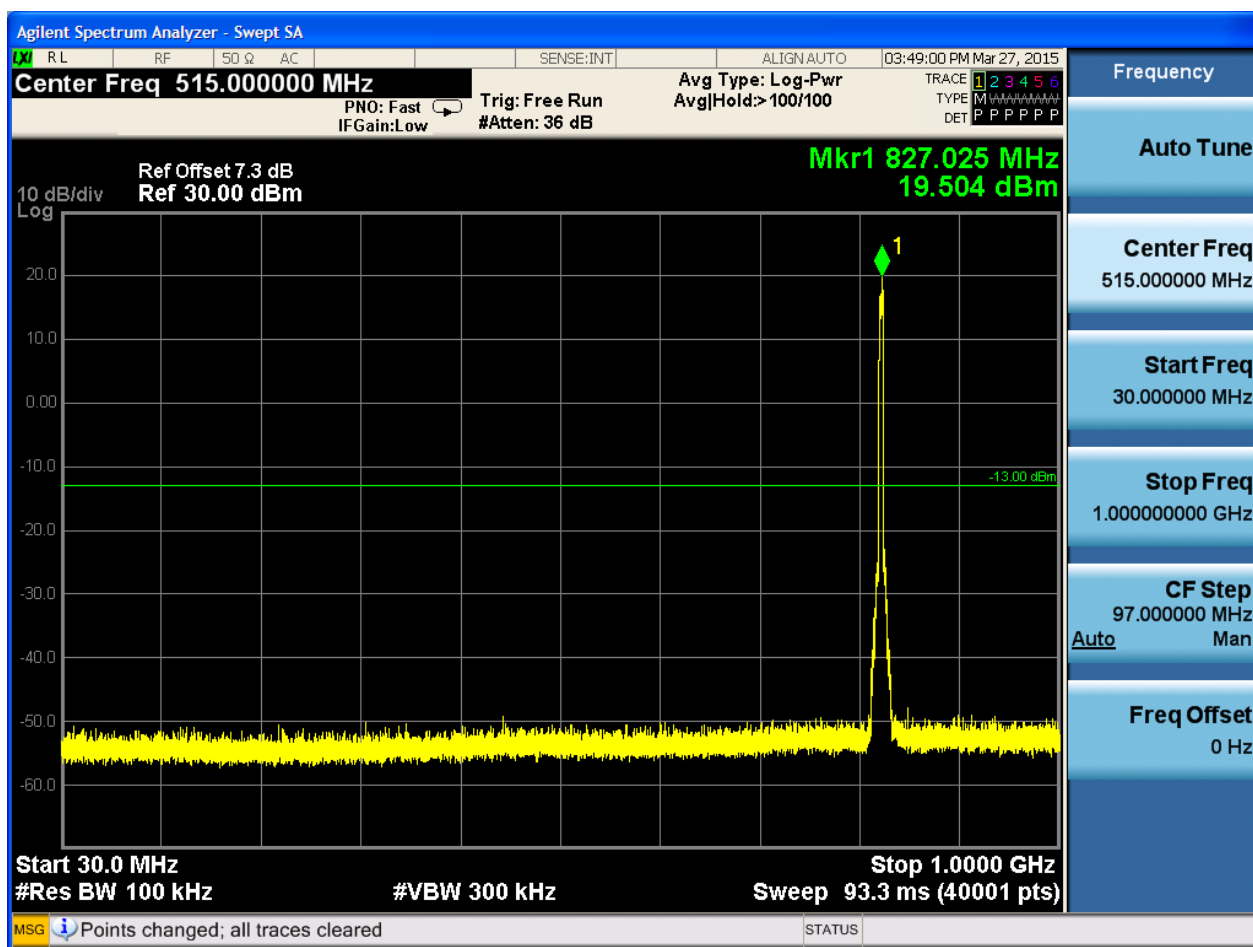
6.2.1 Test Band = WCDMA850

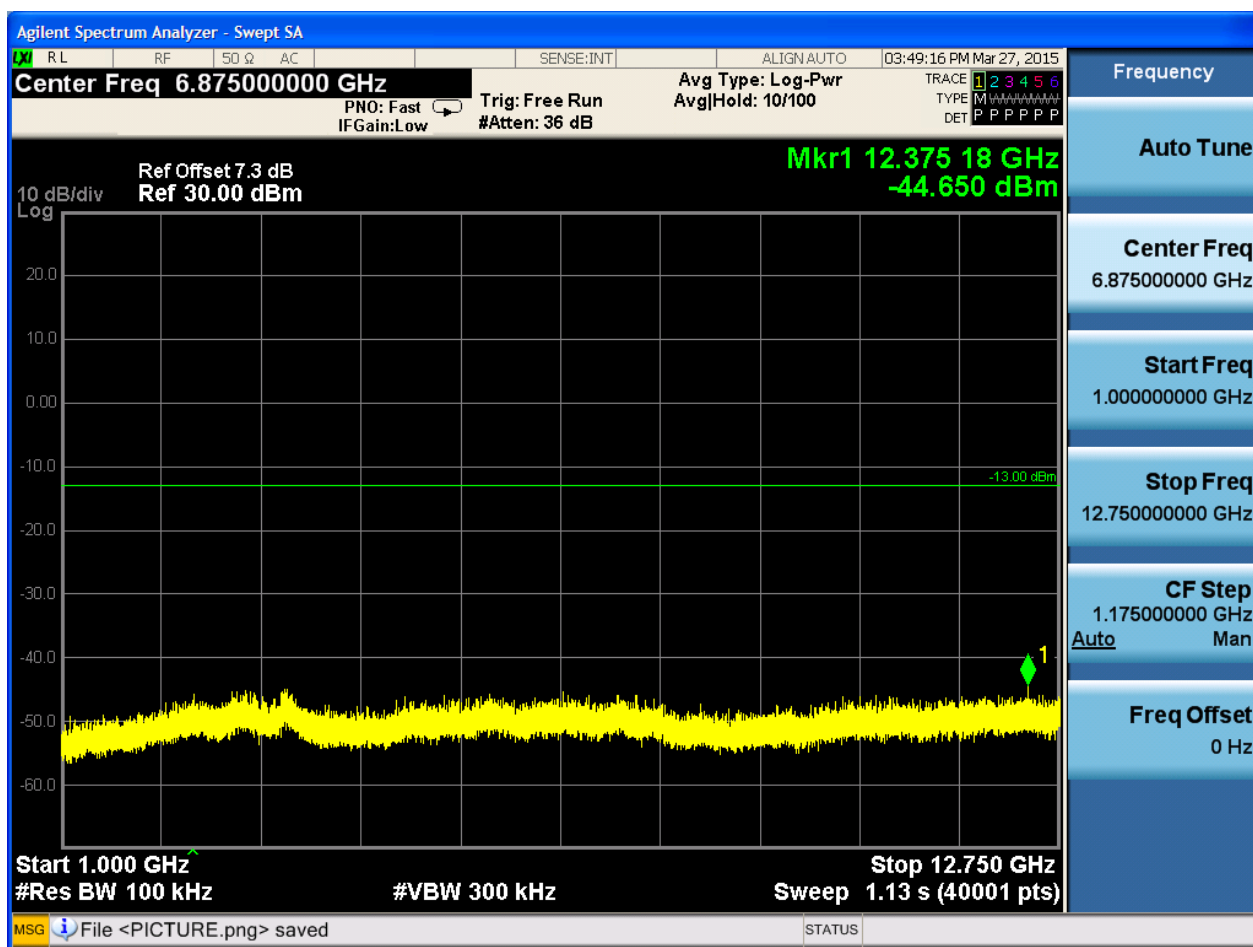
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH





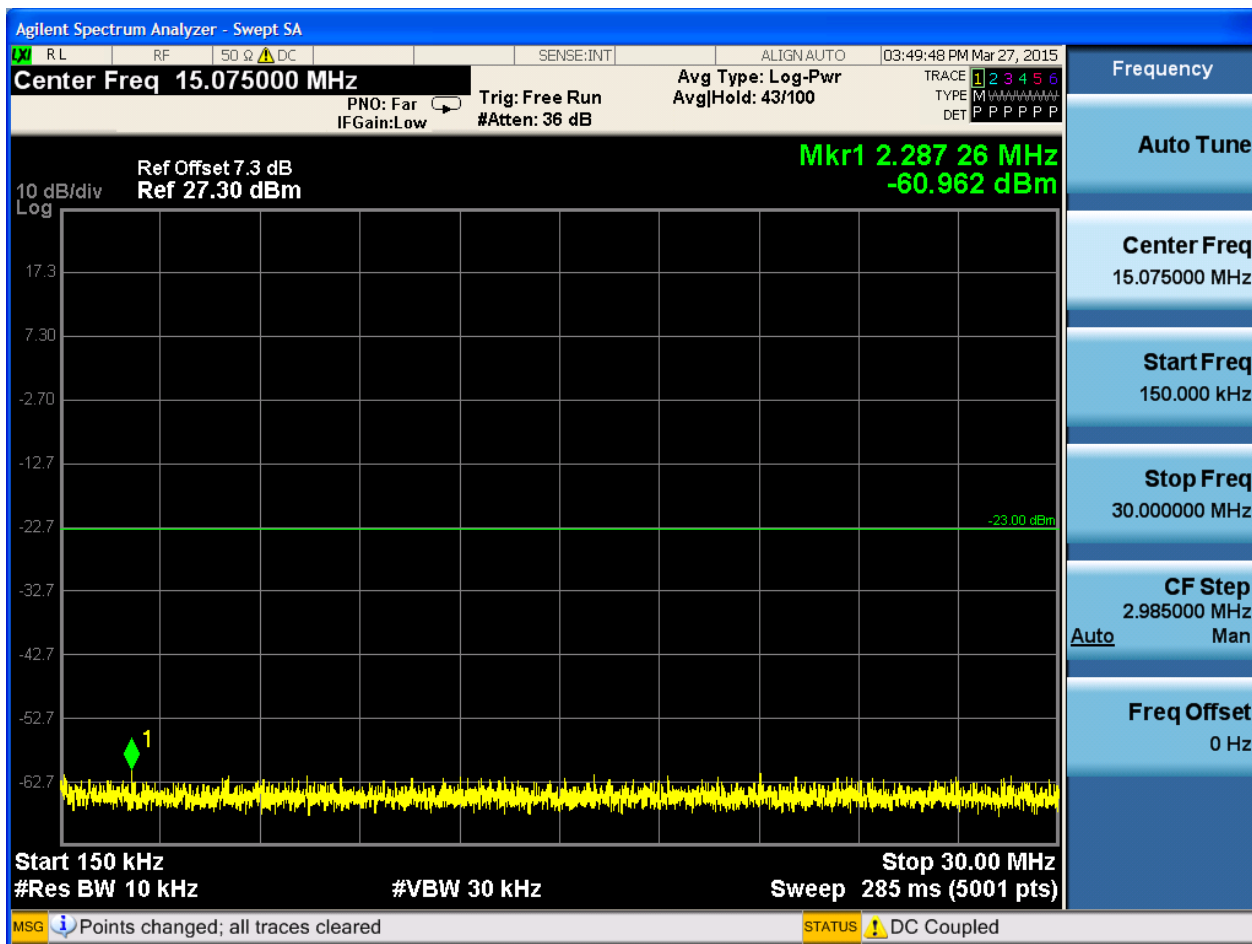


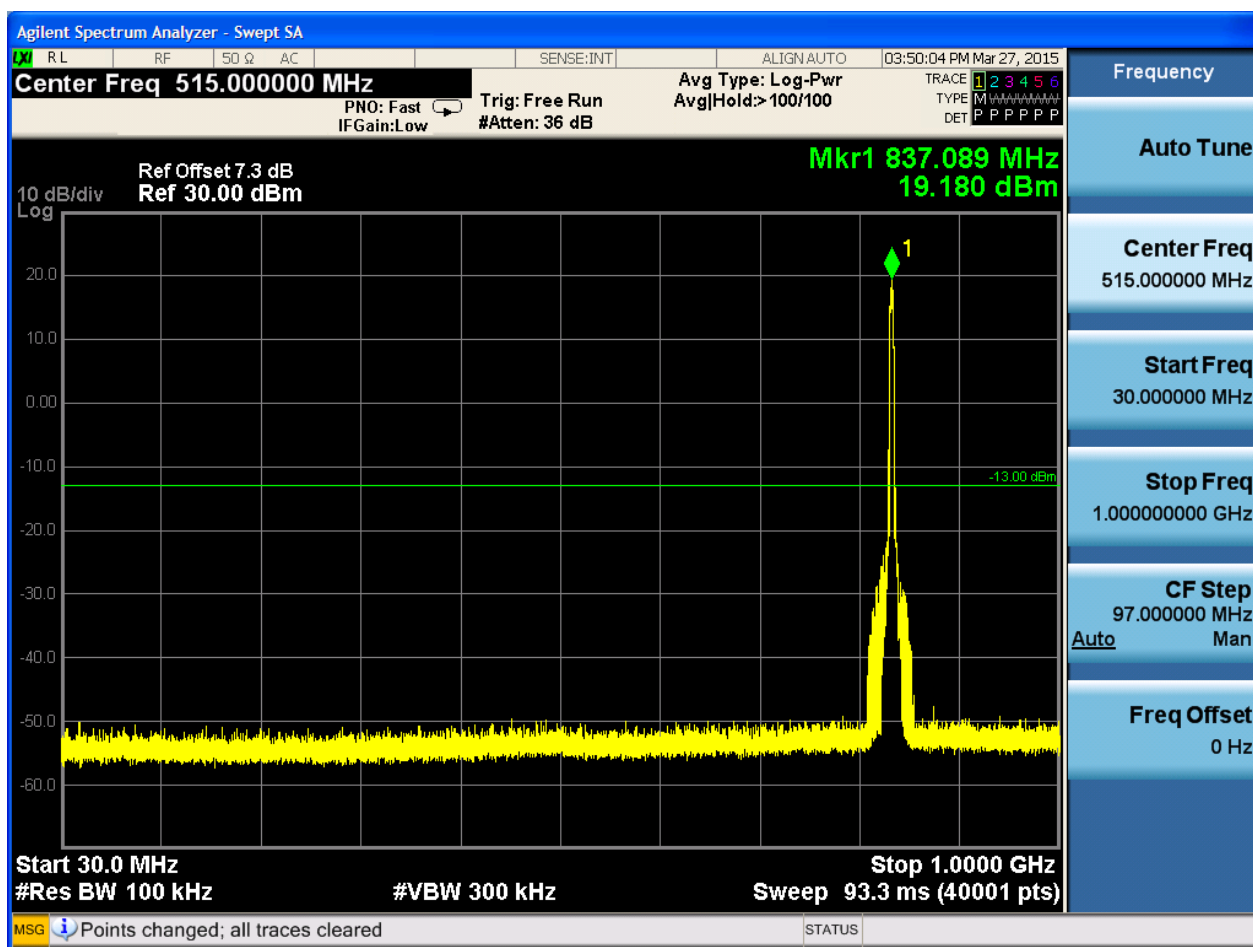


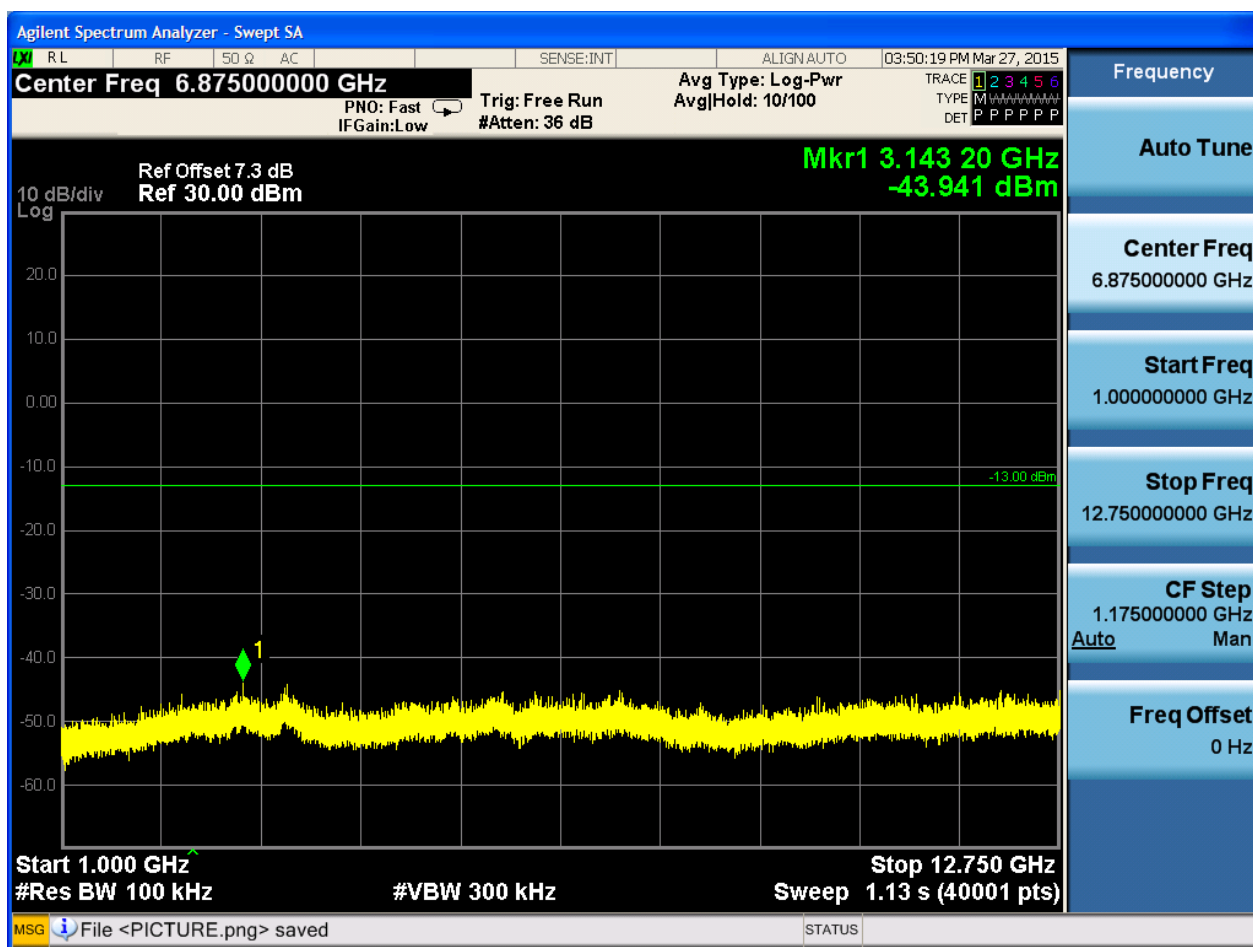


6.2.1.1.2 Test Channel = MCH



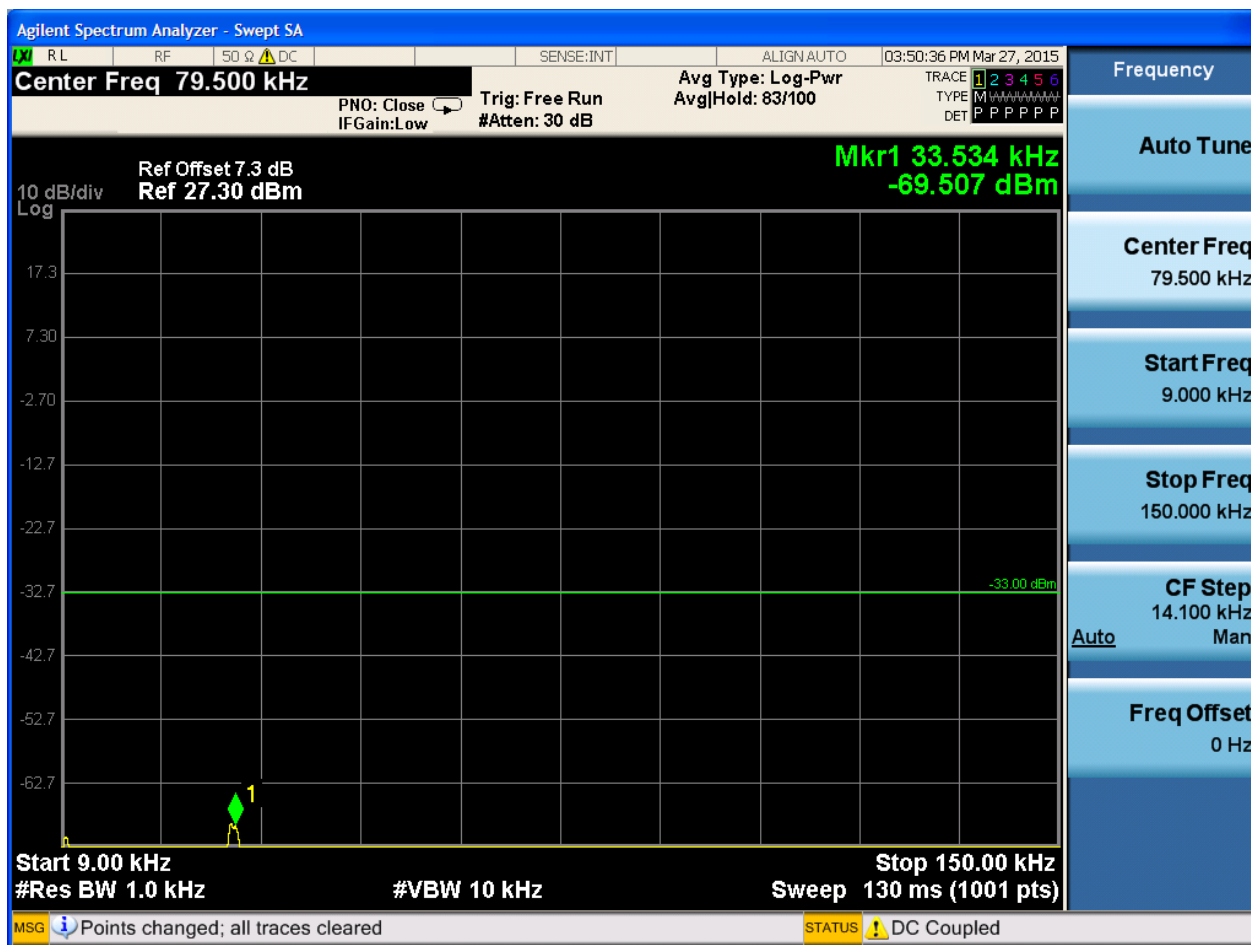


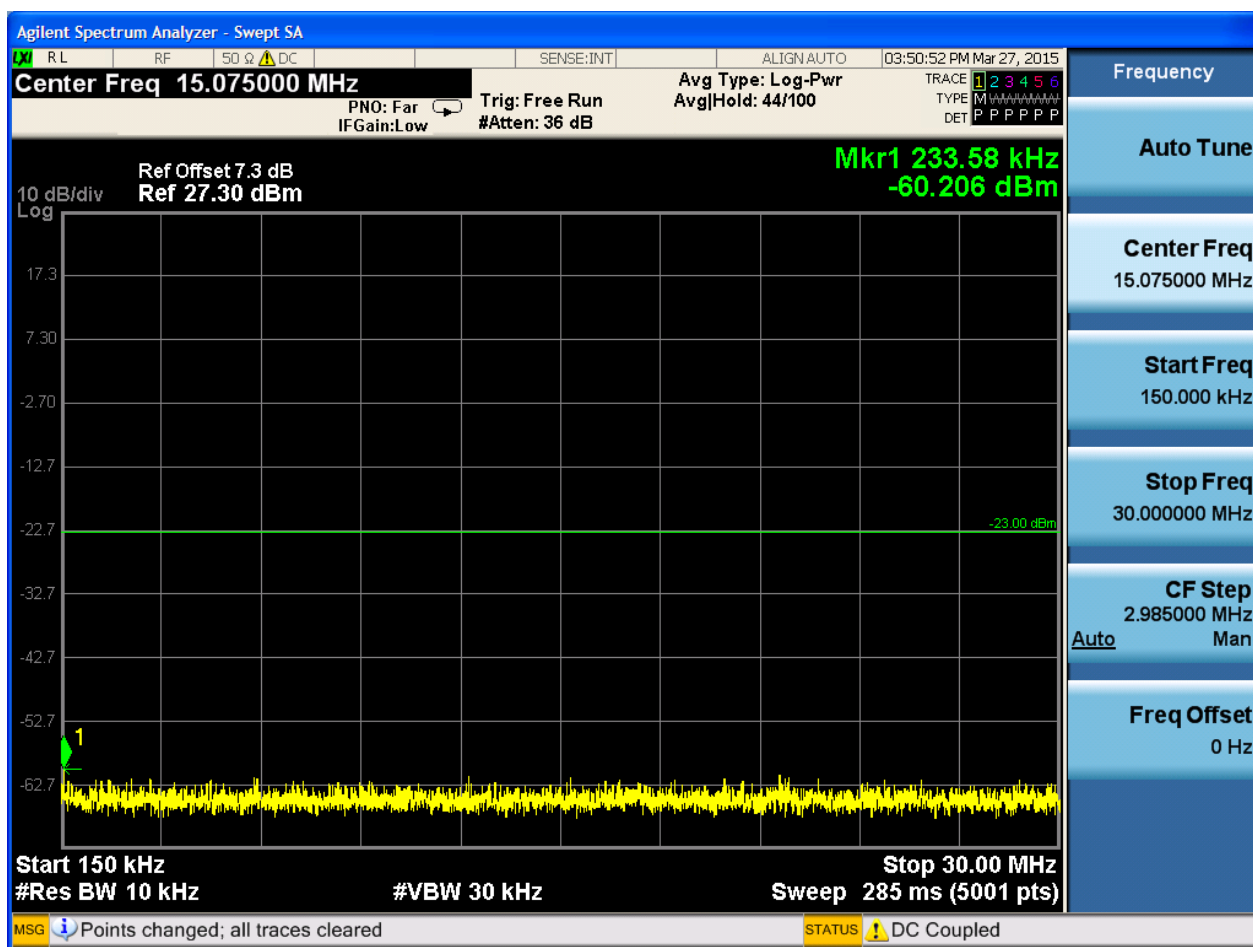


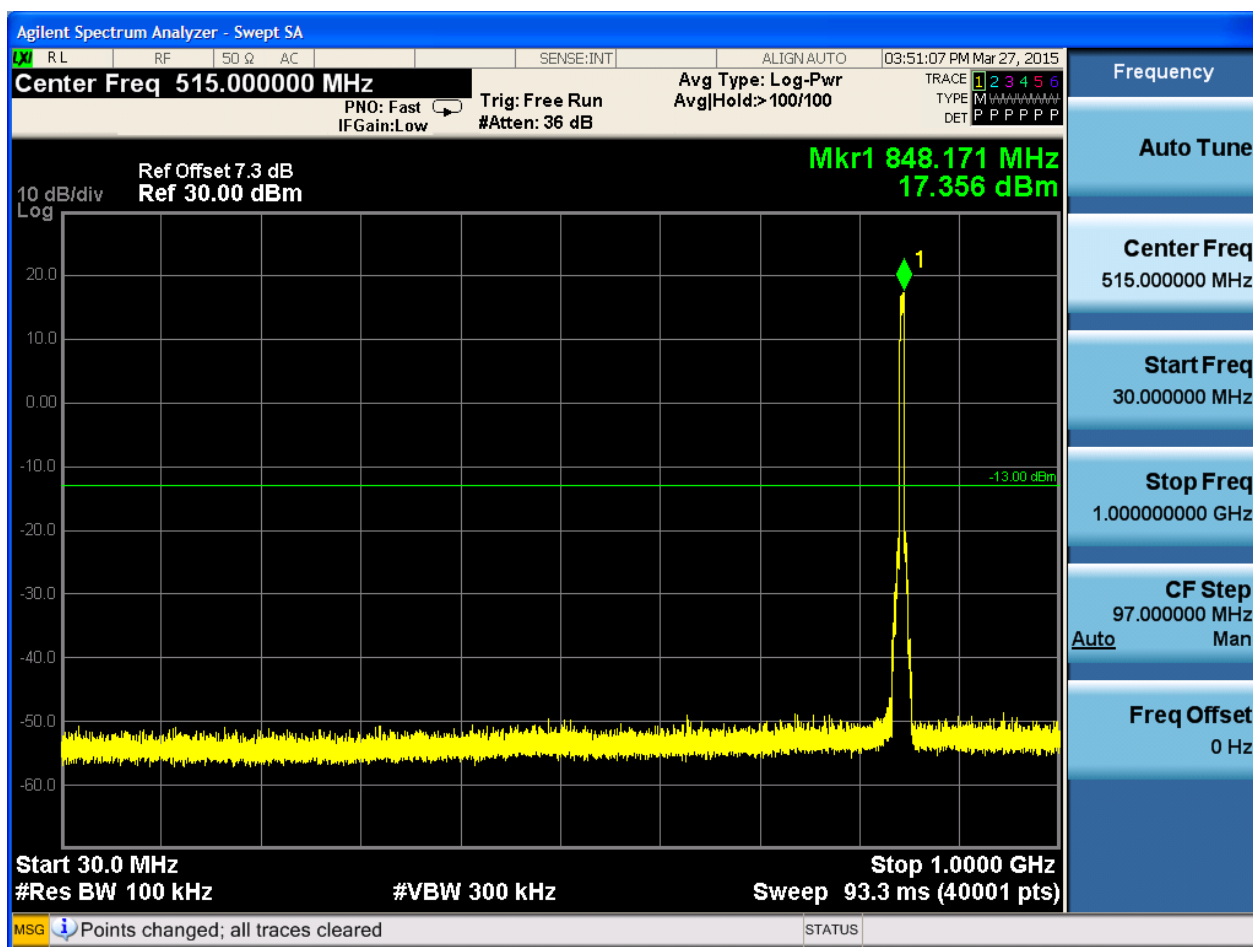


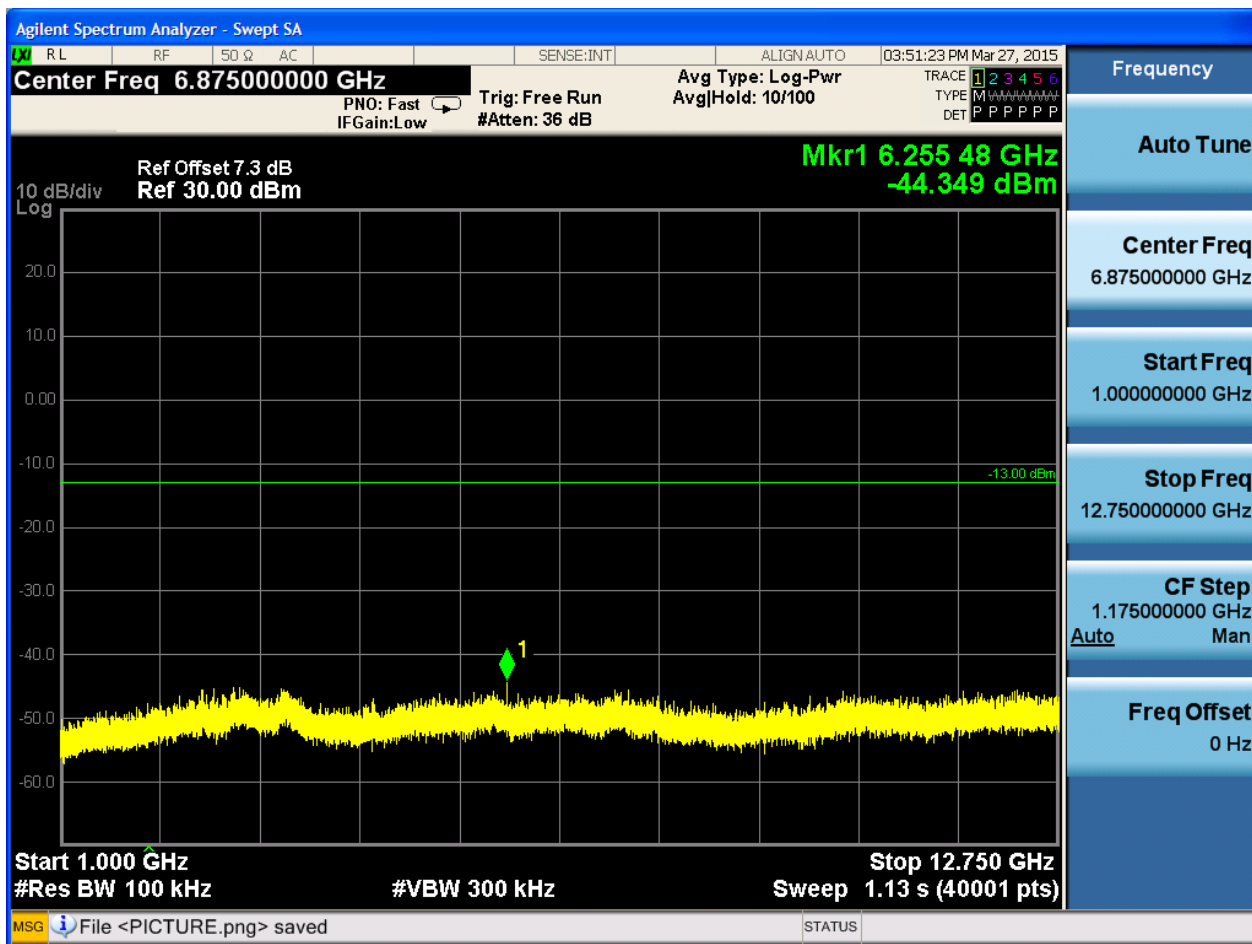


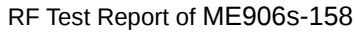
6.2.1.1.3 Test Channel = HCH





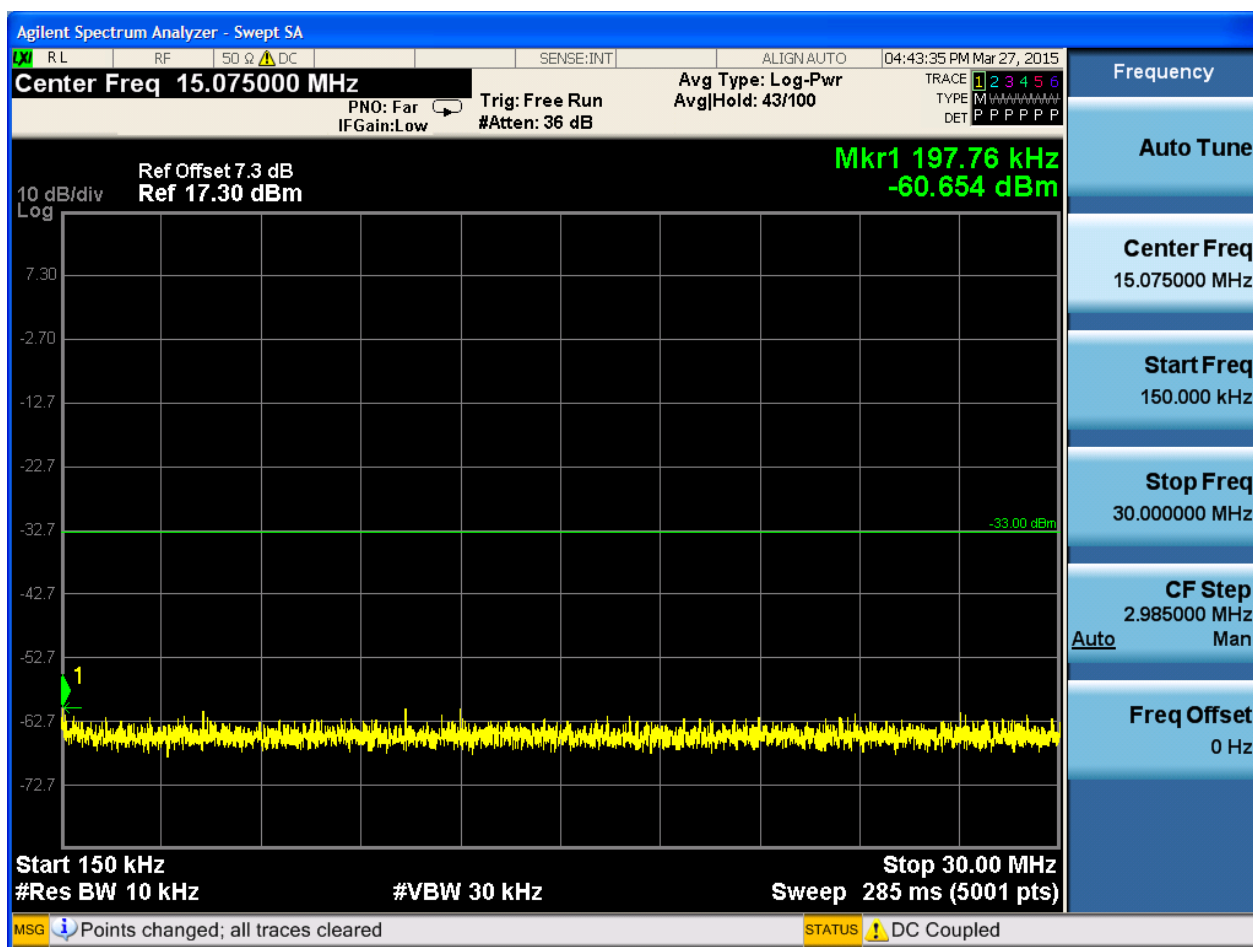






6.2.2.1.1 Test Channel = LCH

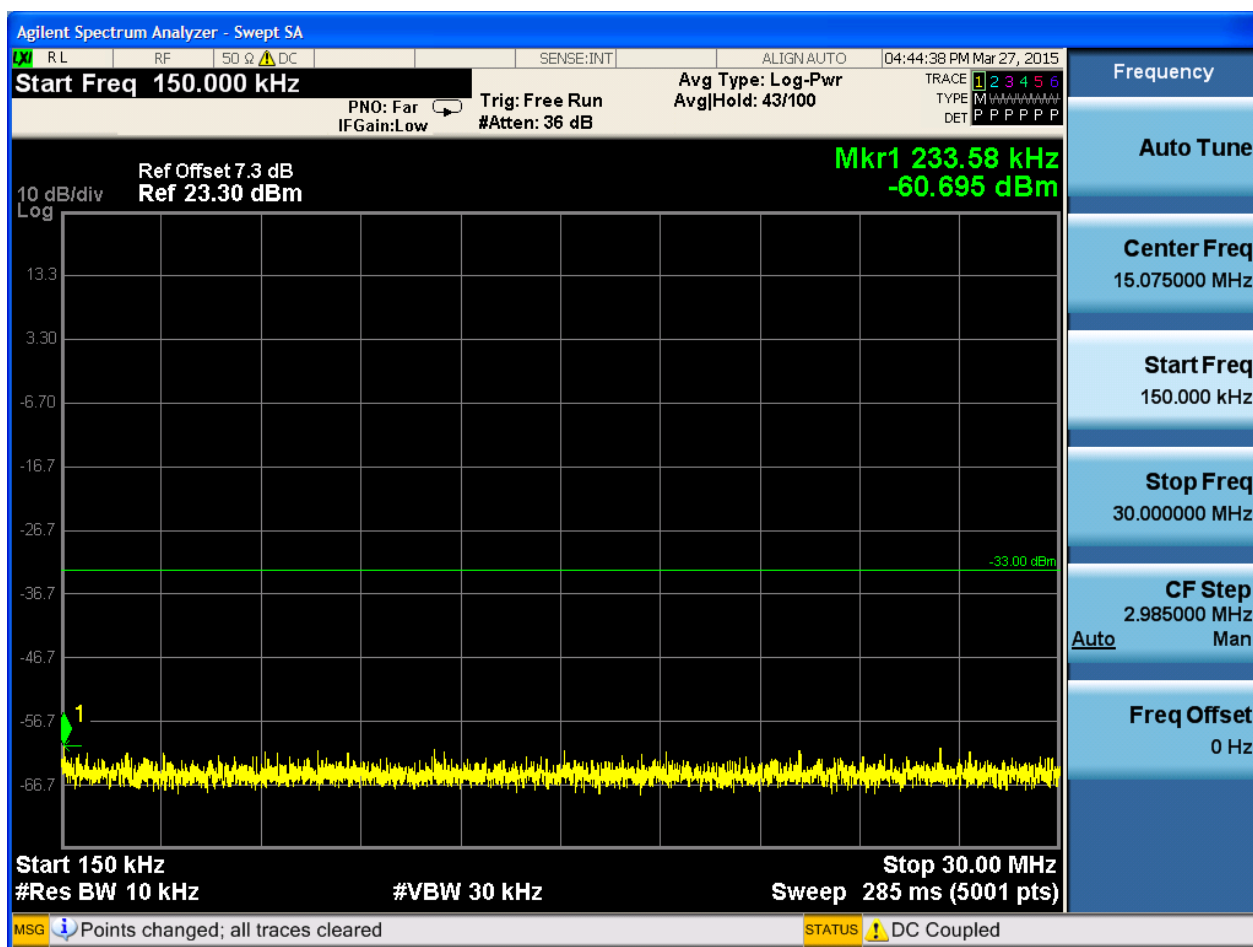


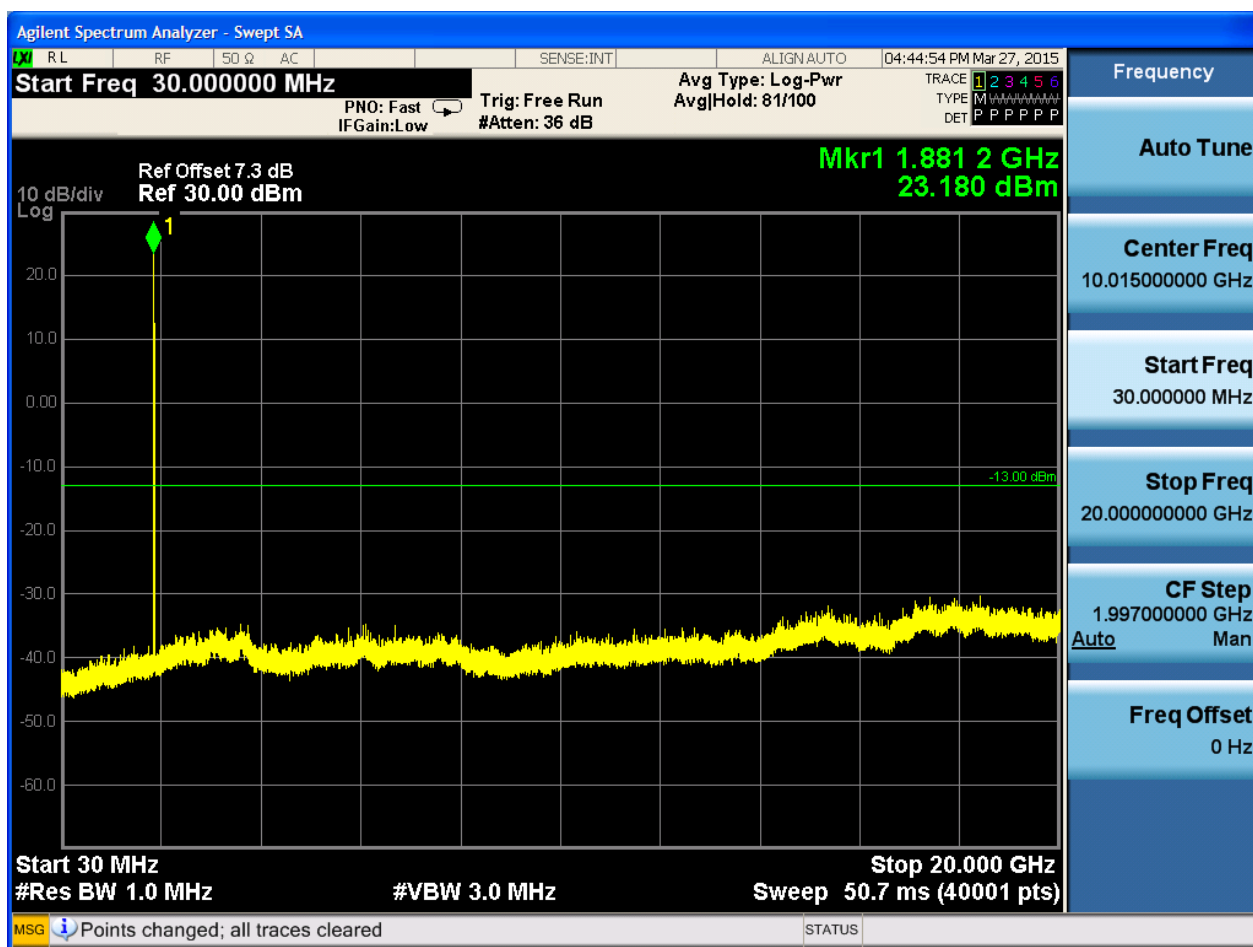


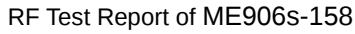


6.2.2.1.2 Test Channel = MCH









Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω Δ DC SENSE:INT ALIGN:AUTO 04:45:11 PM Mar 27, 2015

Start Freq 9.000 kHz Avg Type: Log-Pwr PNO: Close Trig: Free Run Tr1: 19.575 kHz
IFGain:Low #Atten: 20 dB AvgHold: 83/100 TYPE M DET P P P P P

Ref Offset 7.3 dB Mkr1 19.575 kHz
Ref 4.30 dBm -57.877 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 STATUS Δ DC Coupled

Frequency

Auto Tune

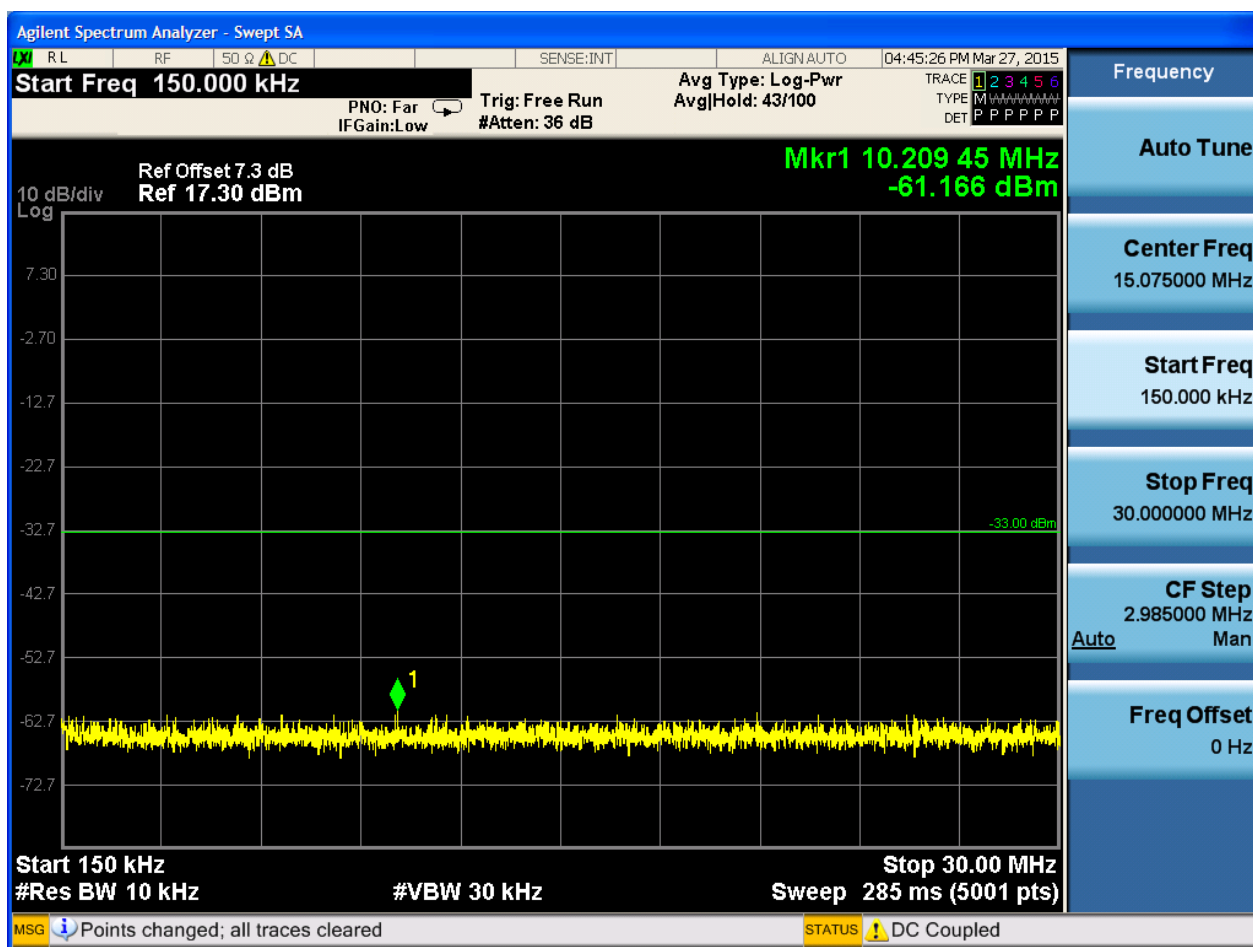
Center Freq 79.500 kHz

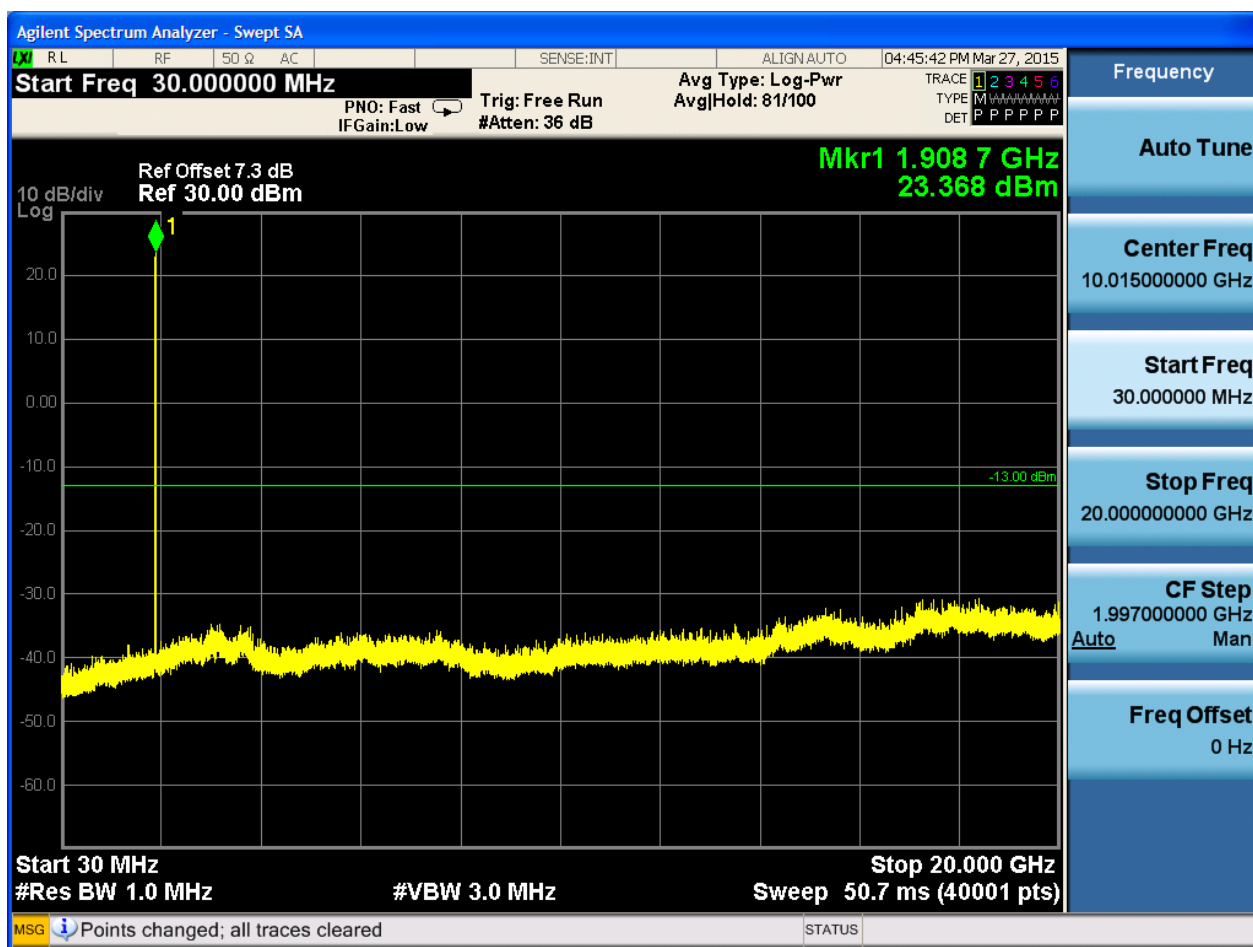
Start Freq 9.000 kHz

Stop Freq 150.000 kHz

CF Step 14.100 kHz
Auto Man

Freq Offset 0 Hz





6.3 For LTE

6.3.1 Test Band = BAND2

6.3.1.1 Test Mode = LTE/TM1

6.3.1.1.1 Test Bandwidth = 5

6.3.1.1.1.1 Test Channel = LCH

6.3.1.1.1.1.1 Test RB = RB1#0

