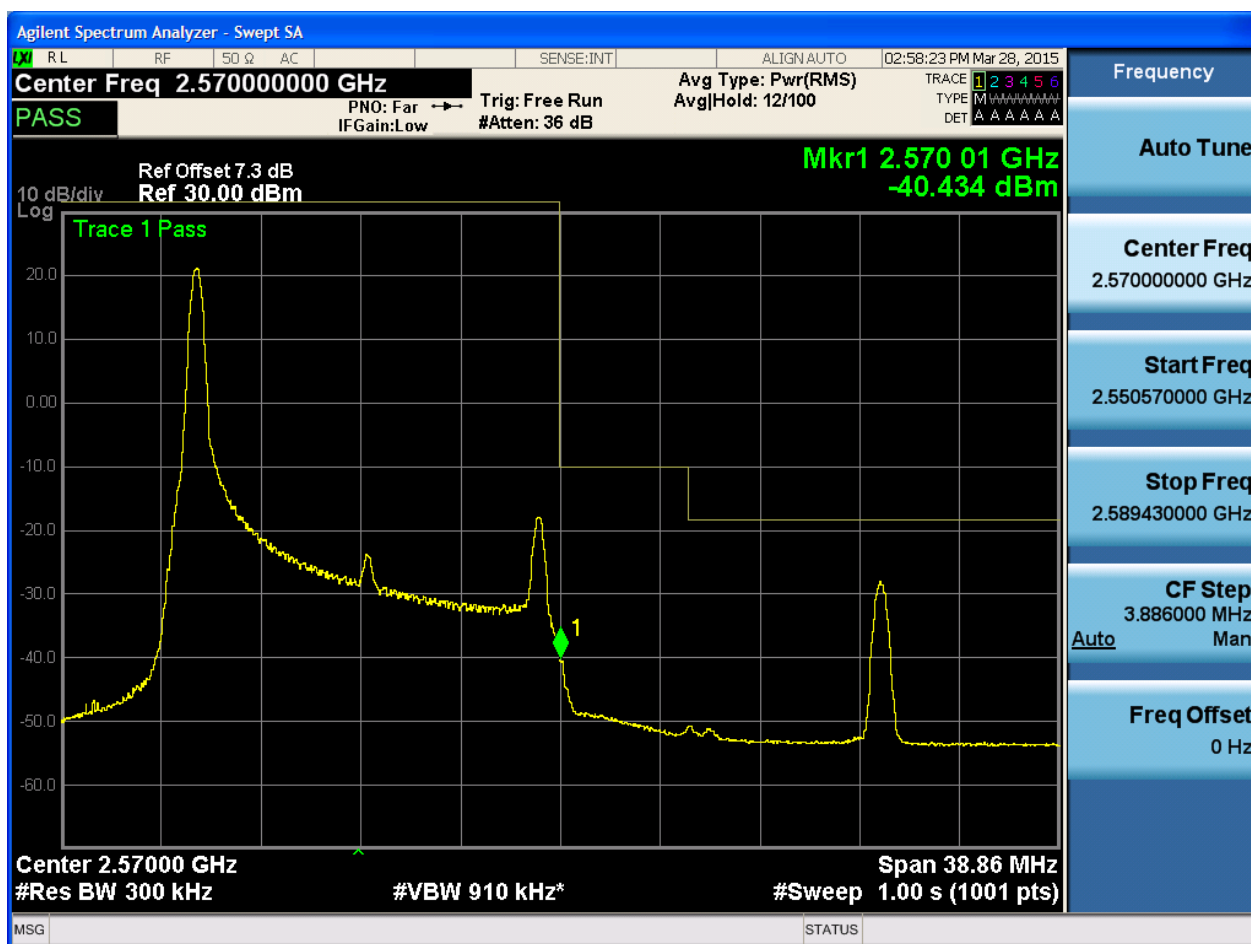
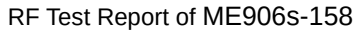




5.3.3.2.3.2 Test Channel = HCH

5.3.3.2.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 02:58:41 PM Mar 28, 2015

Center Freq 2.57000000 GHz Avg Type: Pwr(RMS) TRACE 1 2 3 4 5 6
#Res BW 300 kHz AvglHold: 12/100 TYPE M W W W W W W W W W
PASS PNO: Far Trg: Free Run #Atten: 36 dB DET A A A A A A

Ref Offset 7.3 dB Mkr1 2.570 01 GHz
Ref 30.00 dBm -19.120 dBm

10 dB/div Log

Trace 1 Pass

Center 2.57000 GHz Span 38.86 MHz
#Res BW 300 kHz #VBW 910 kHz* #Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
2.57000000 GHz

Start Freq
2.550570000 GHz

Stop Freq
2.589430000 GHz

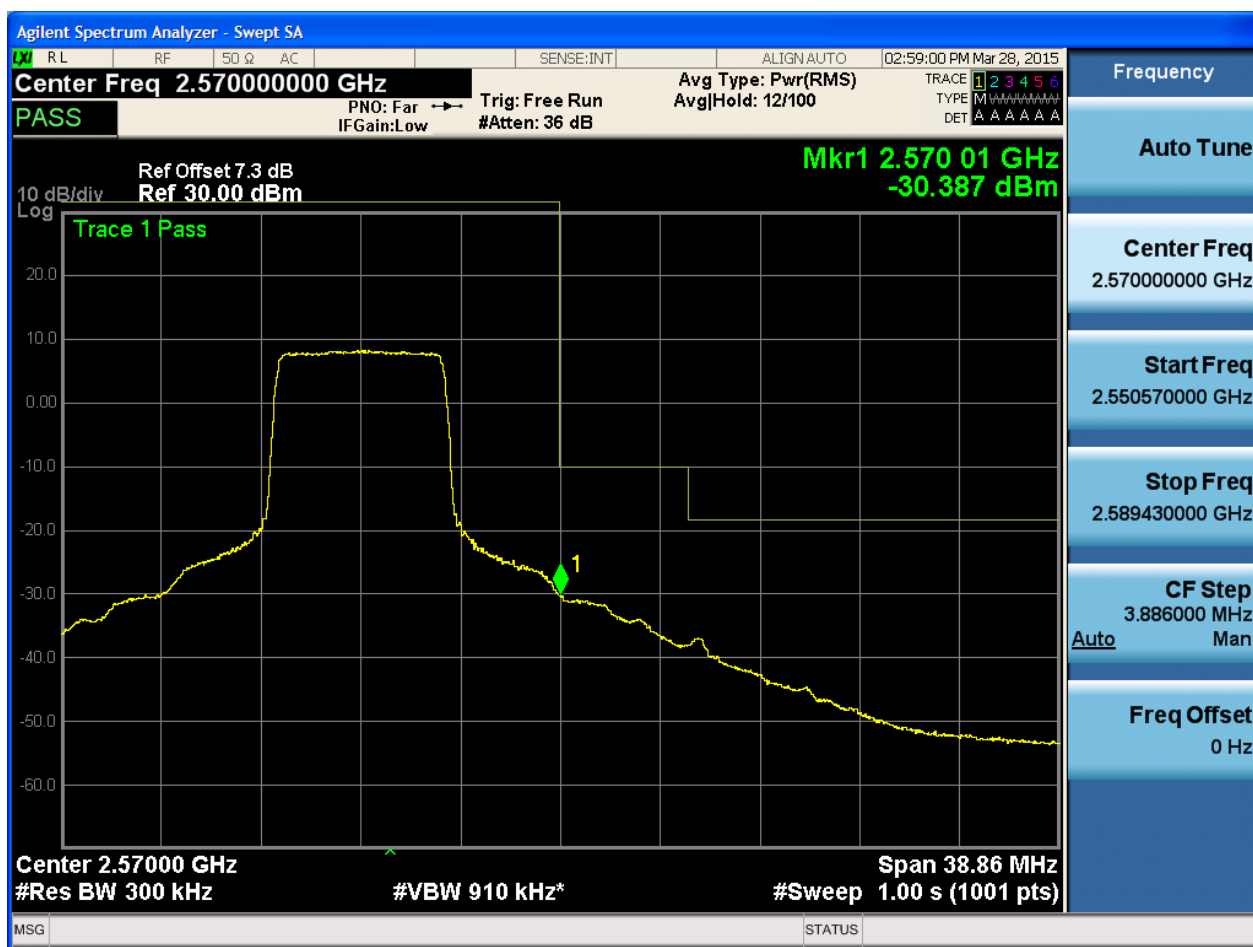
CF Step
3.886000 MHz
Man

Auto

Freq Offset
0 Hz



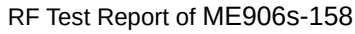
5.3.3.2.3.2.3 Test RB = RB36#18



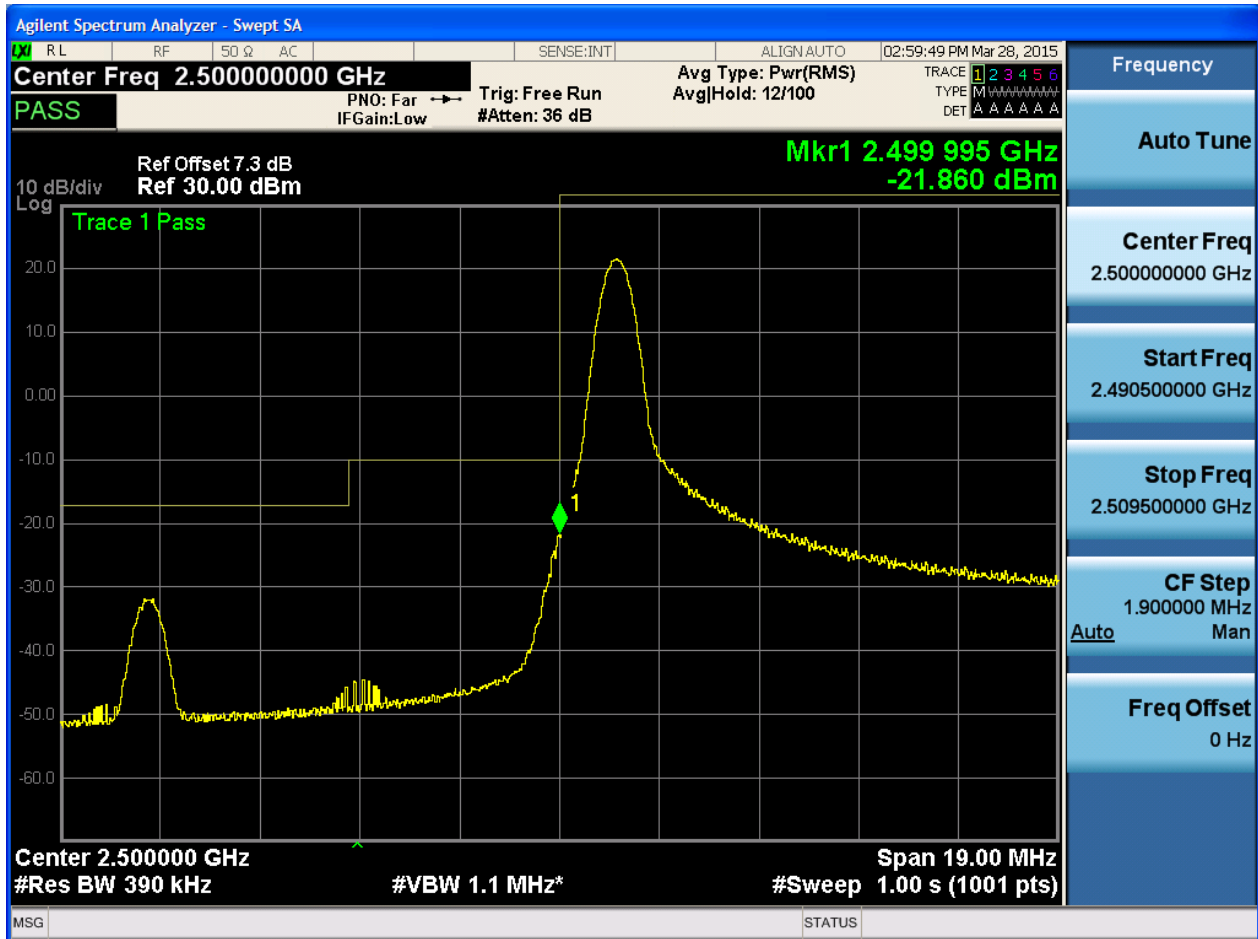


5.3.3.2.3.2.4 Test RB = RB75#0



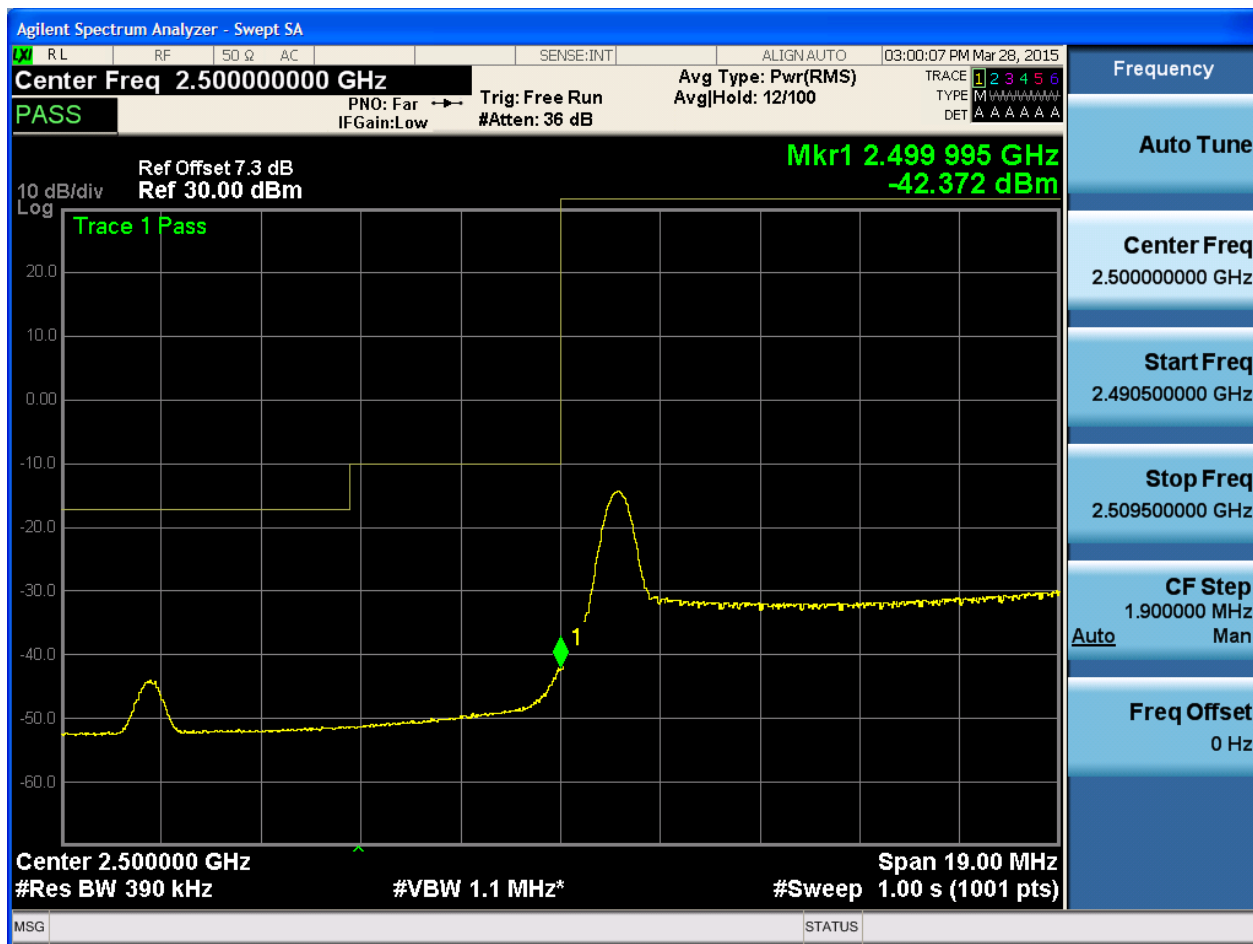


5.3.3.2.4.1.1 Test RB = RB1#0





5.3.3.2.4.1.2 Test RB = RB1#99



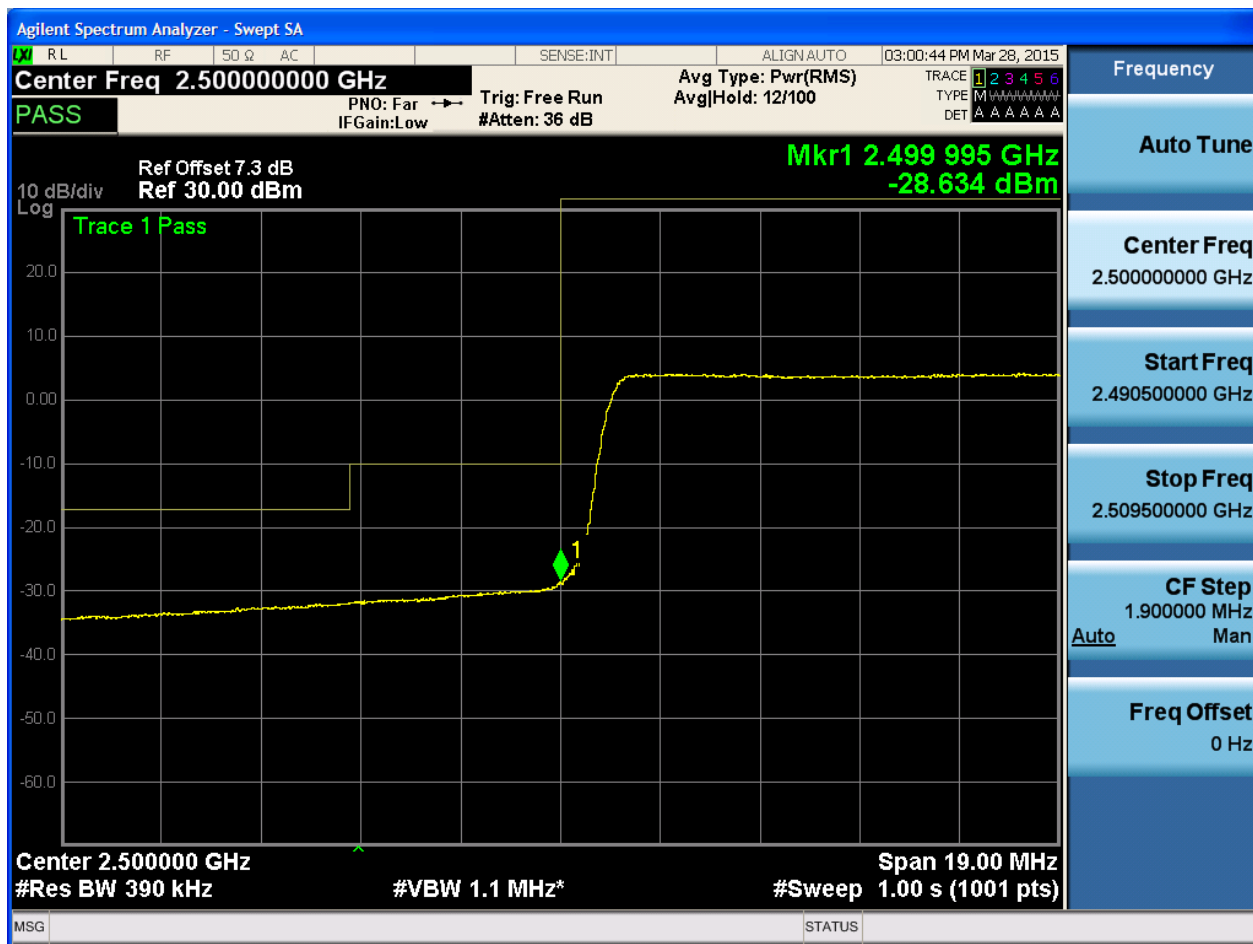


5.3.3.2.4.1.3 Test RB = RB50#25





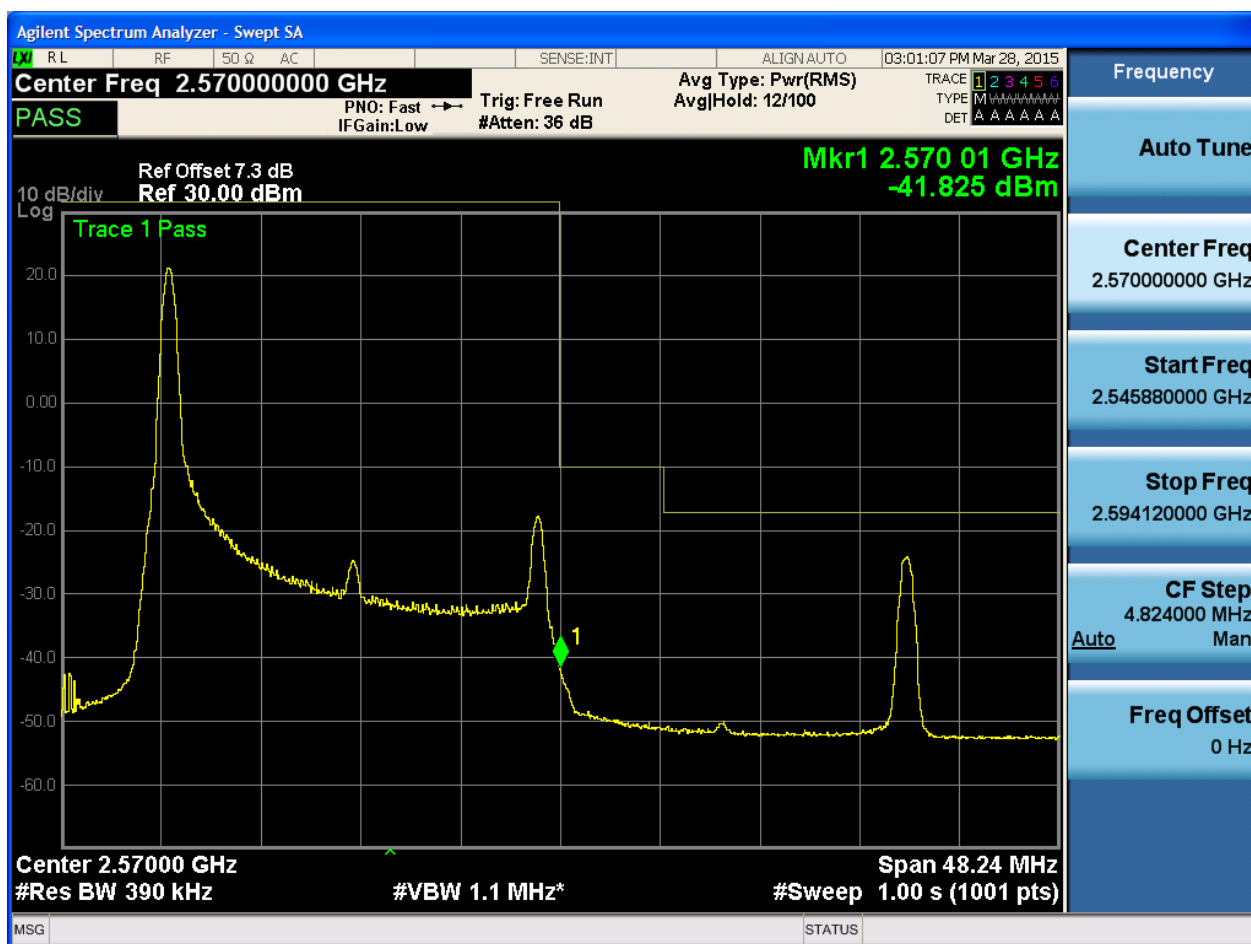
5.3.3.2.4.1.4 Test RB = RB100#0





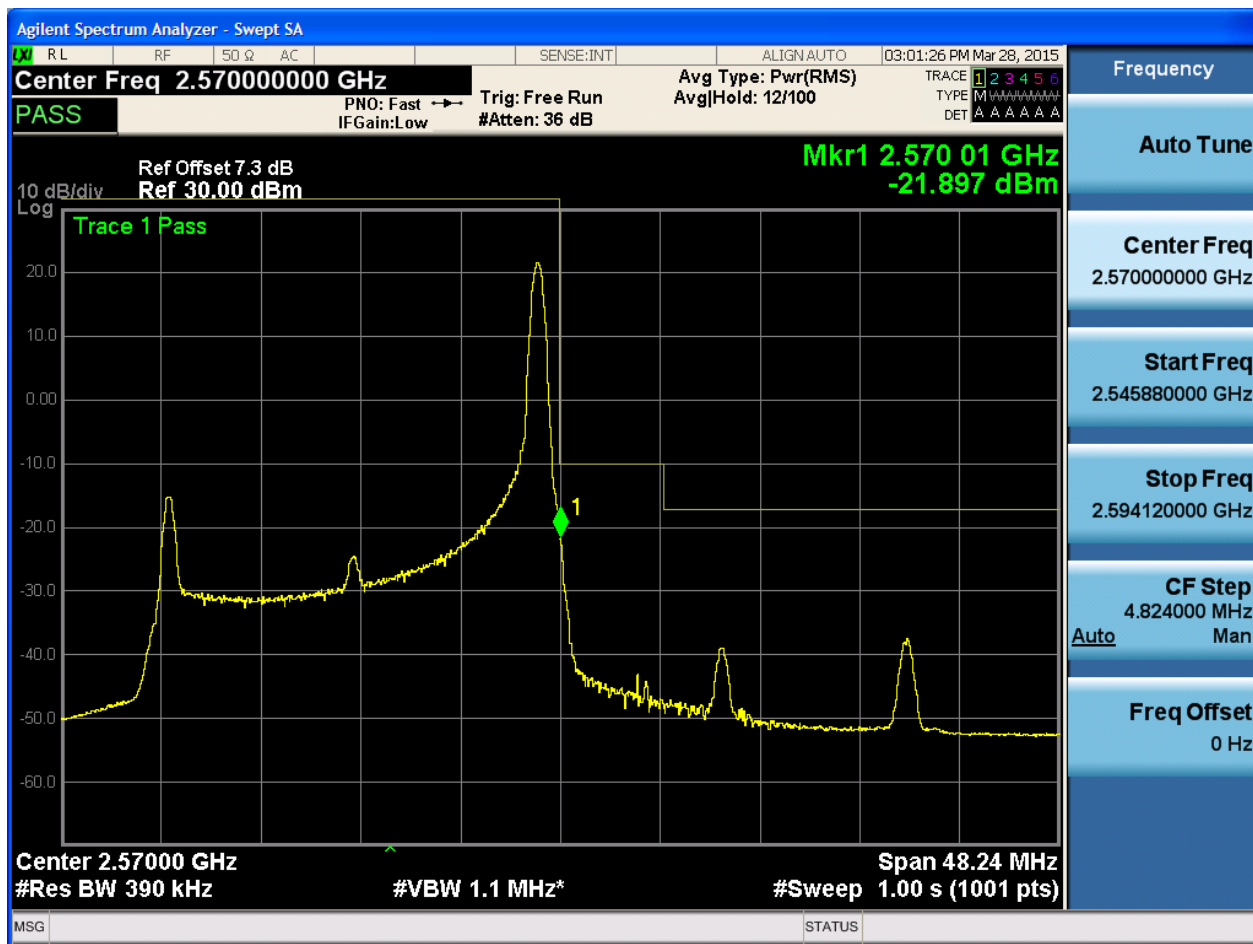
5.3.3.2.4.2 Test Channel = HCH

5.3.3.2.4.2.1 Test RB = RB1#0



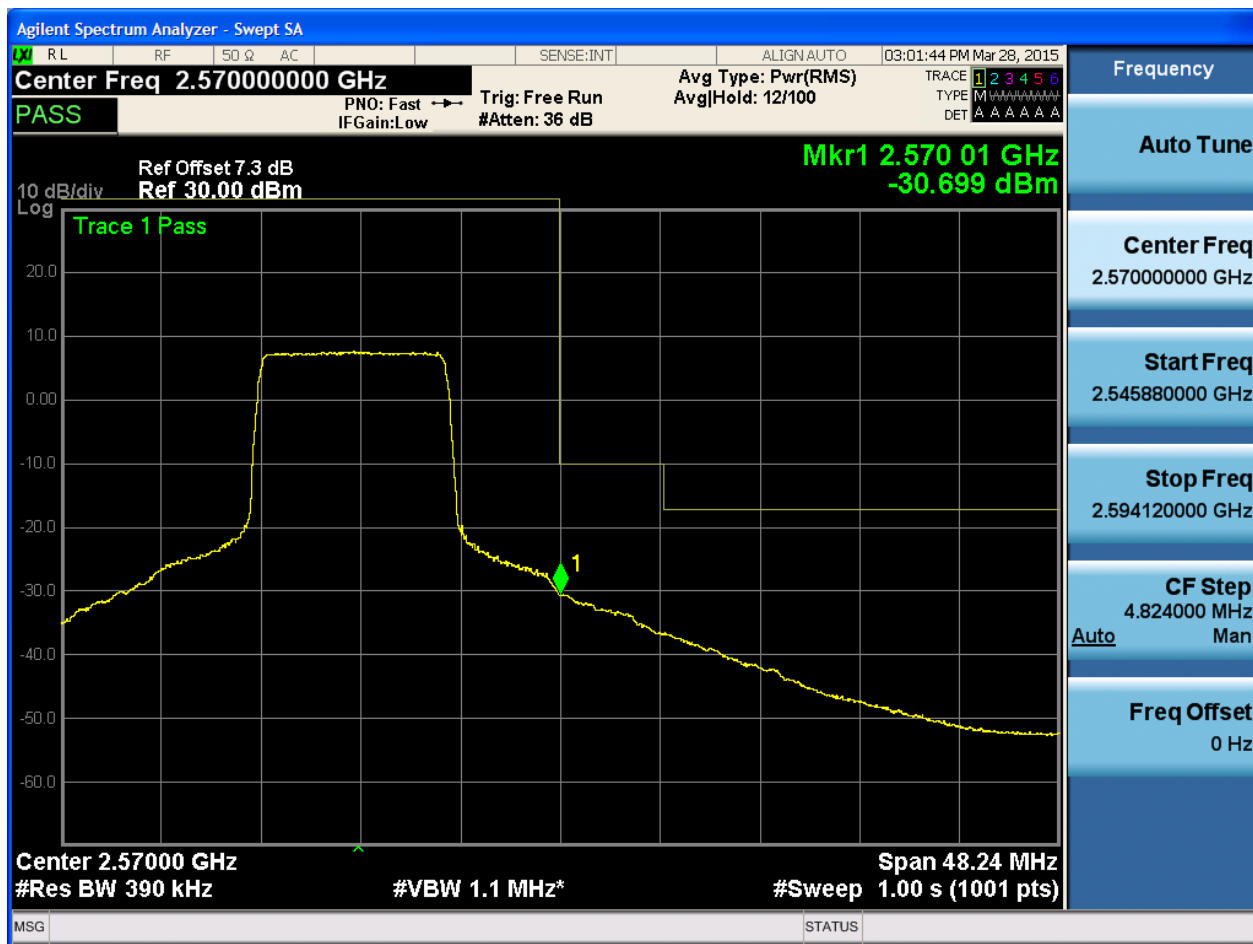


5.3.3.2.4.2.2 Test RB = RB1#99





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.

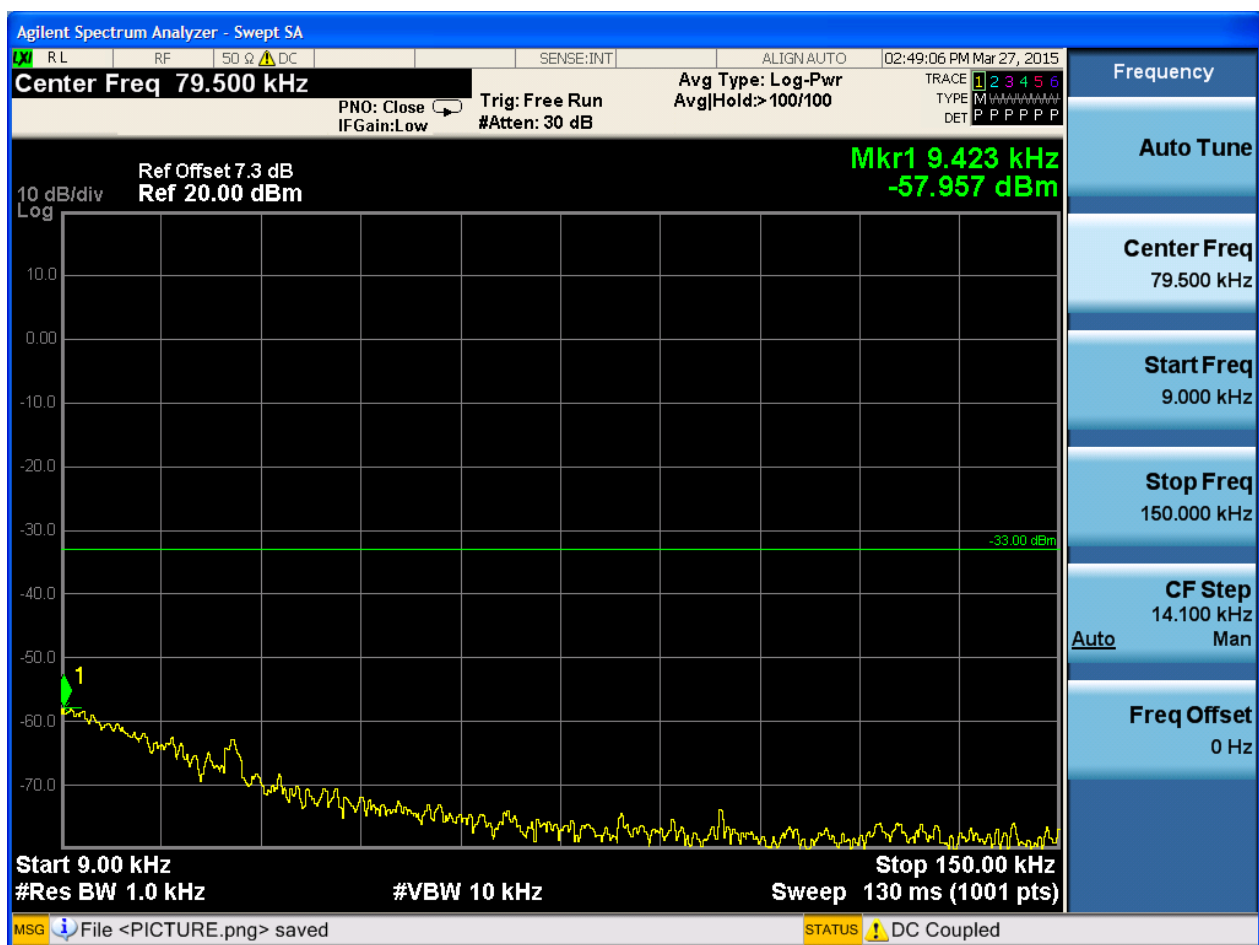
Part I - Test Plots

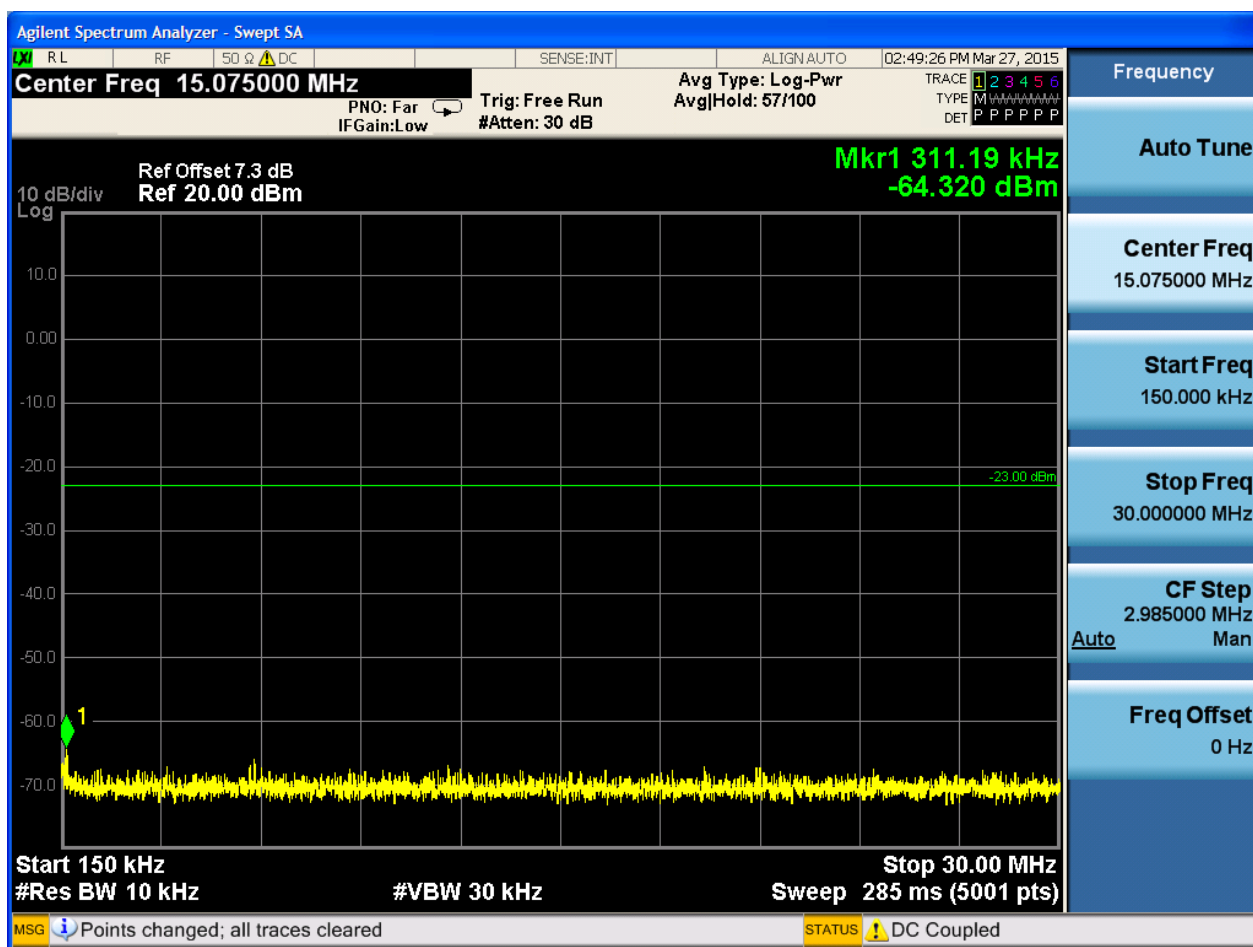
6.1 For GSM

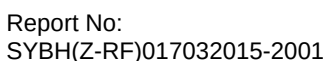
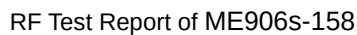
6.1.1 Test Band = GSM850

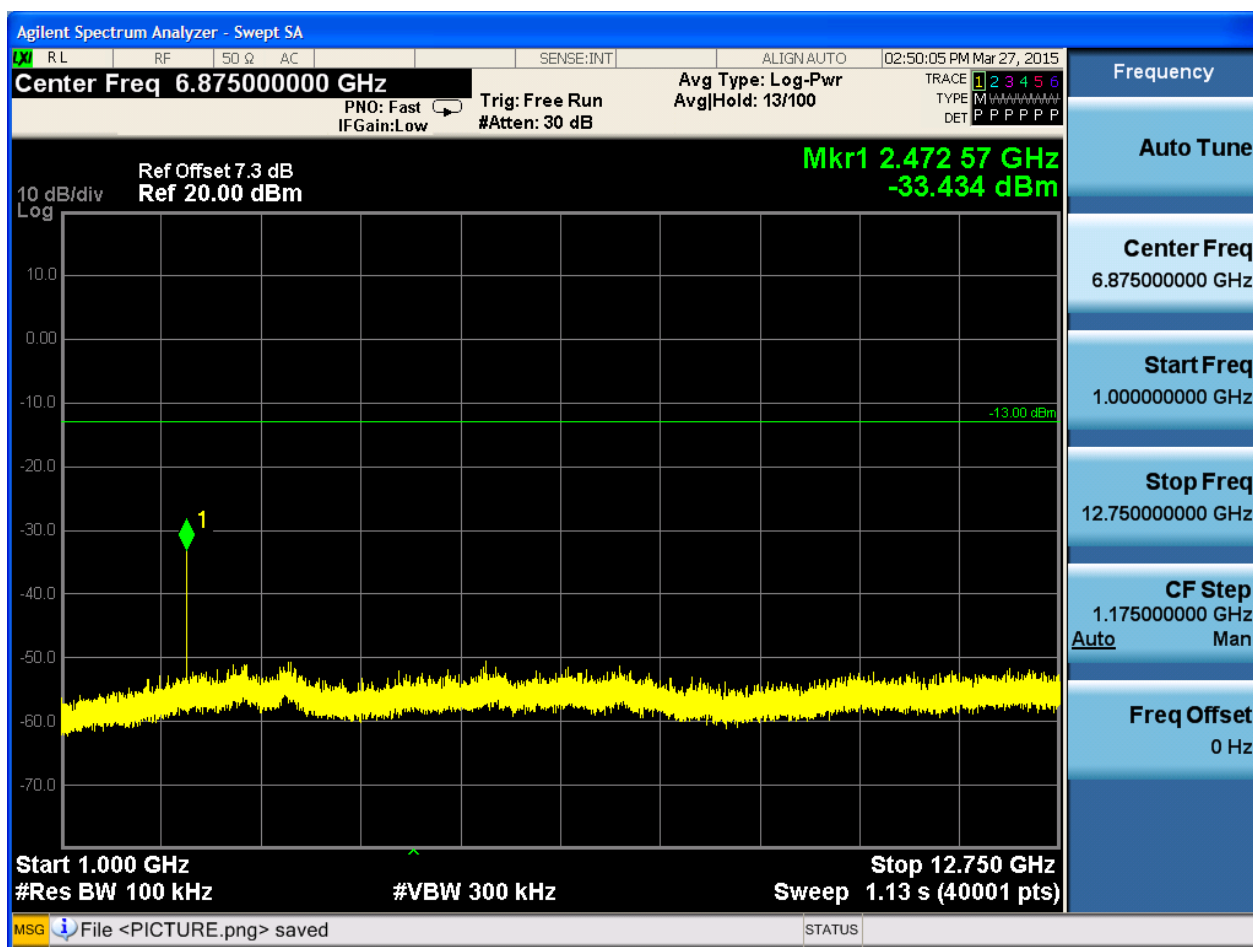
6.1.1.1 Test Mode = GSM/TM1

6.1.1.1.1 Test Channel = LCH





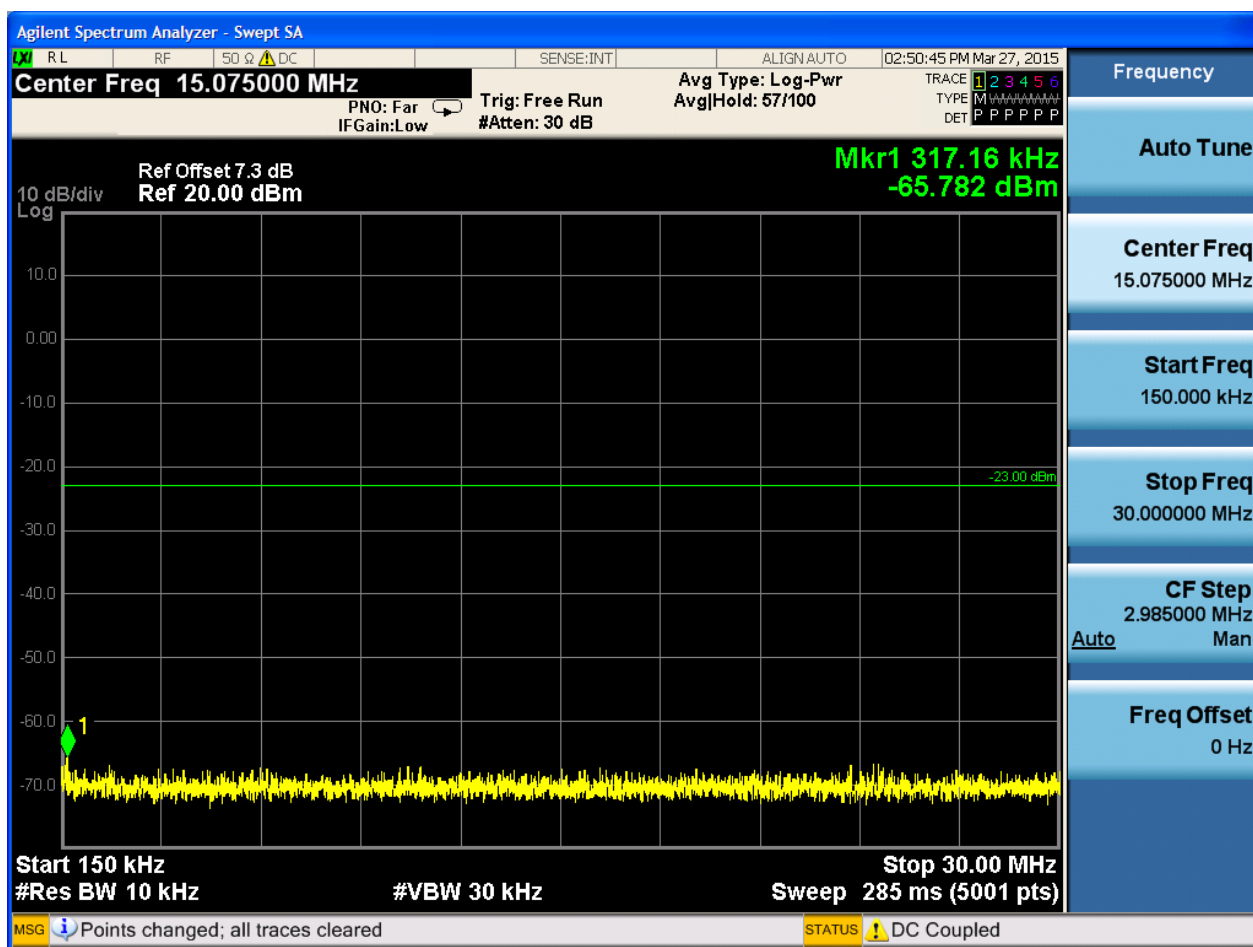


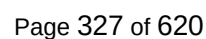
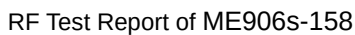


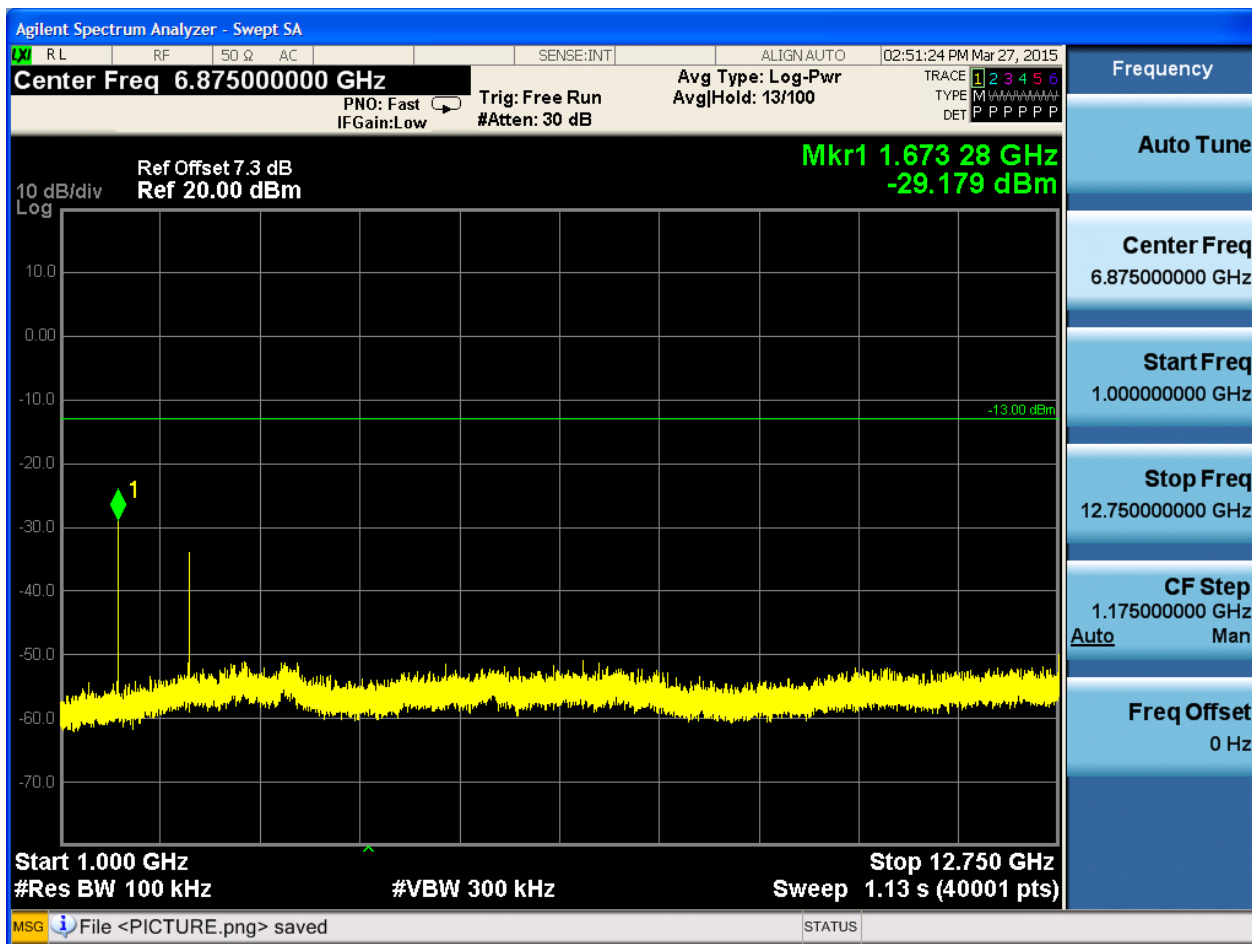


6.1.1.1.2 Test Channel = MCH





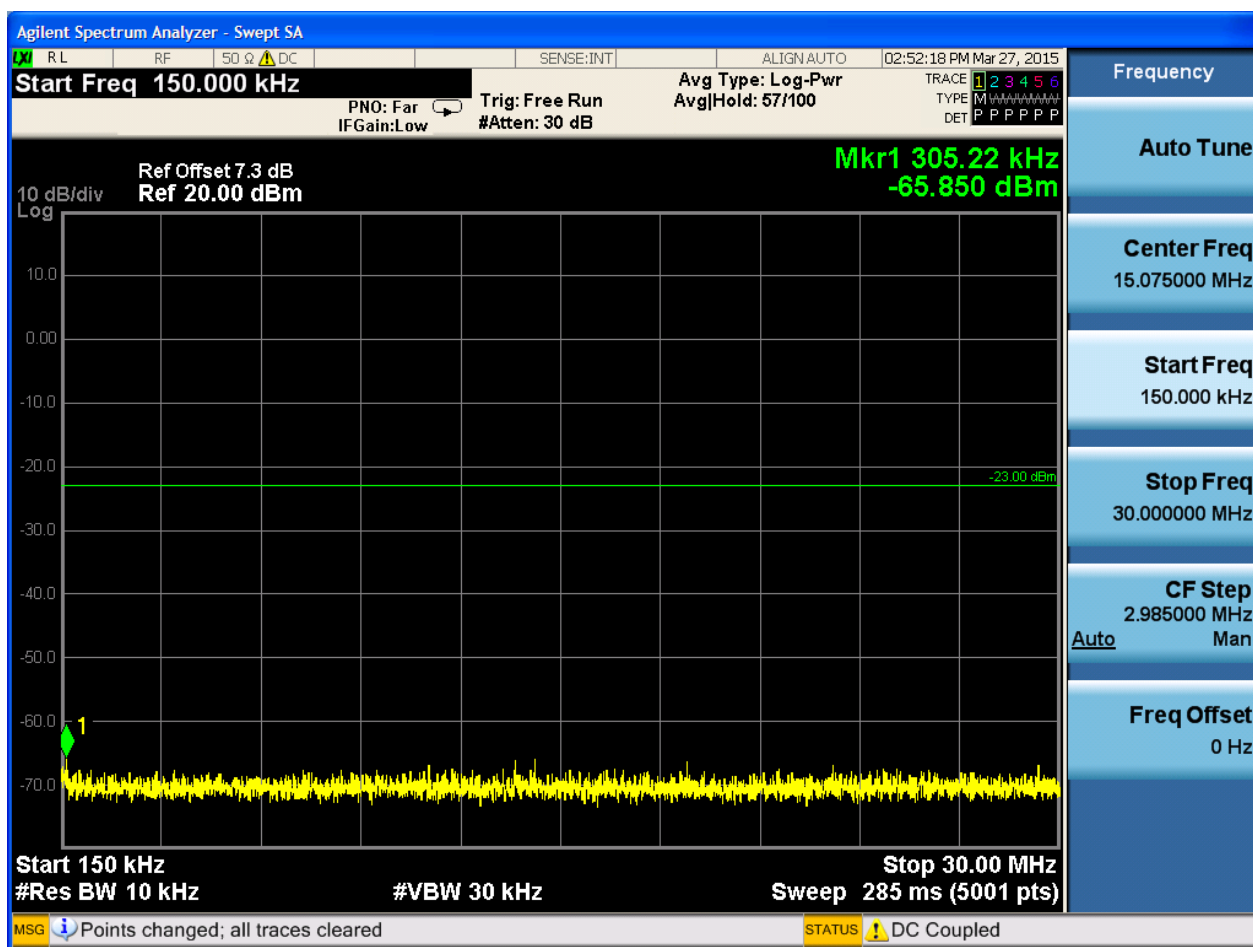


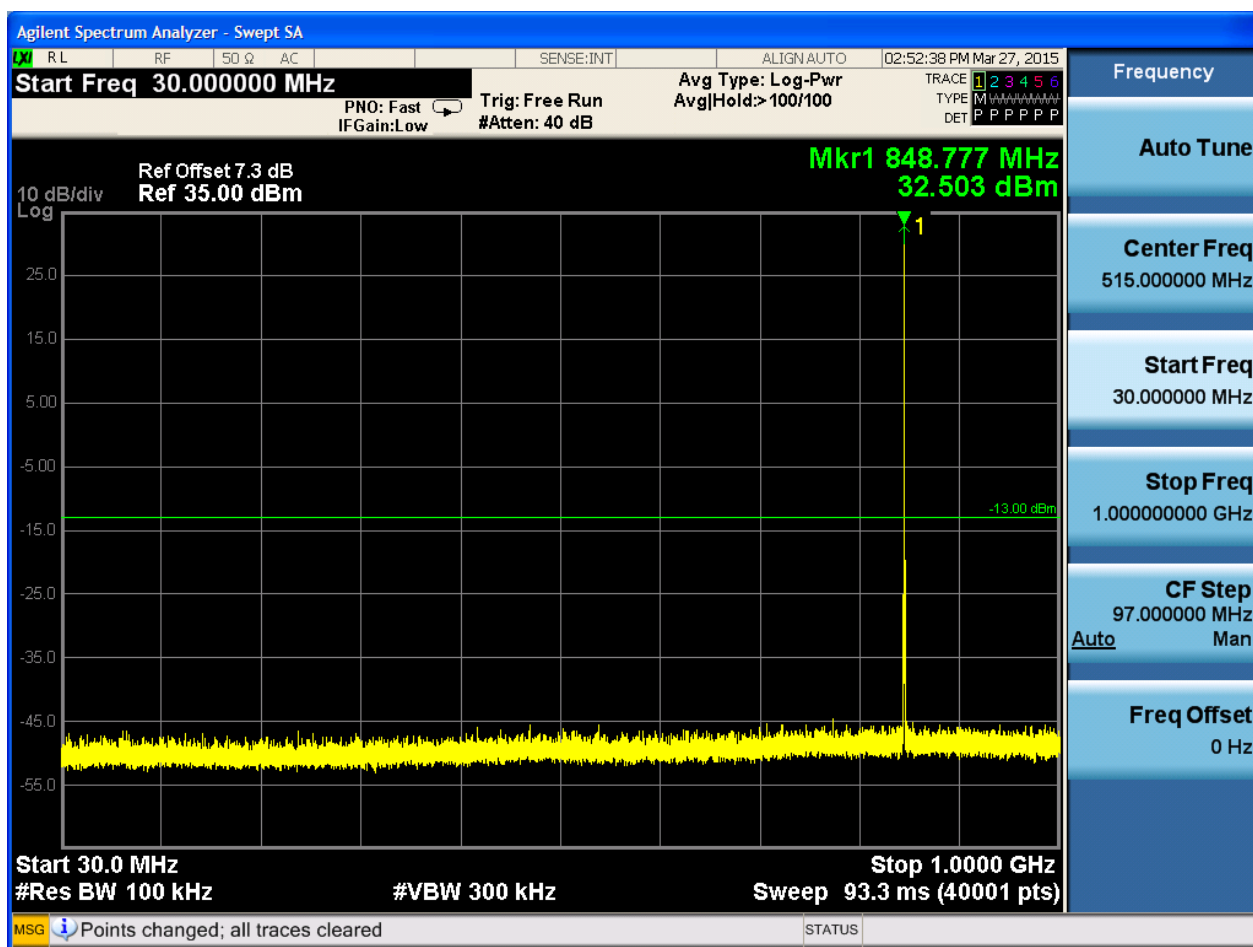


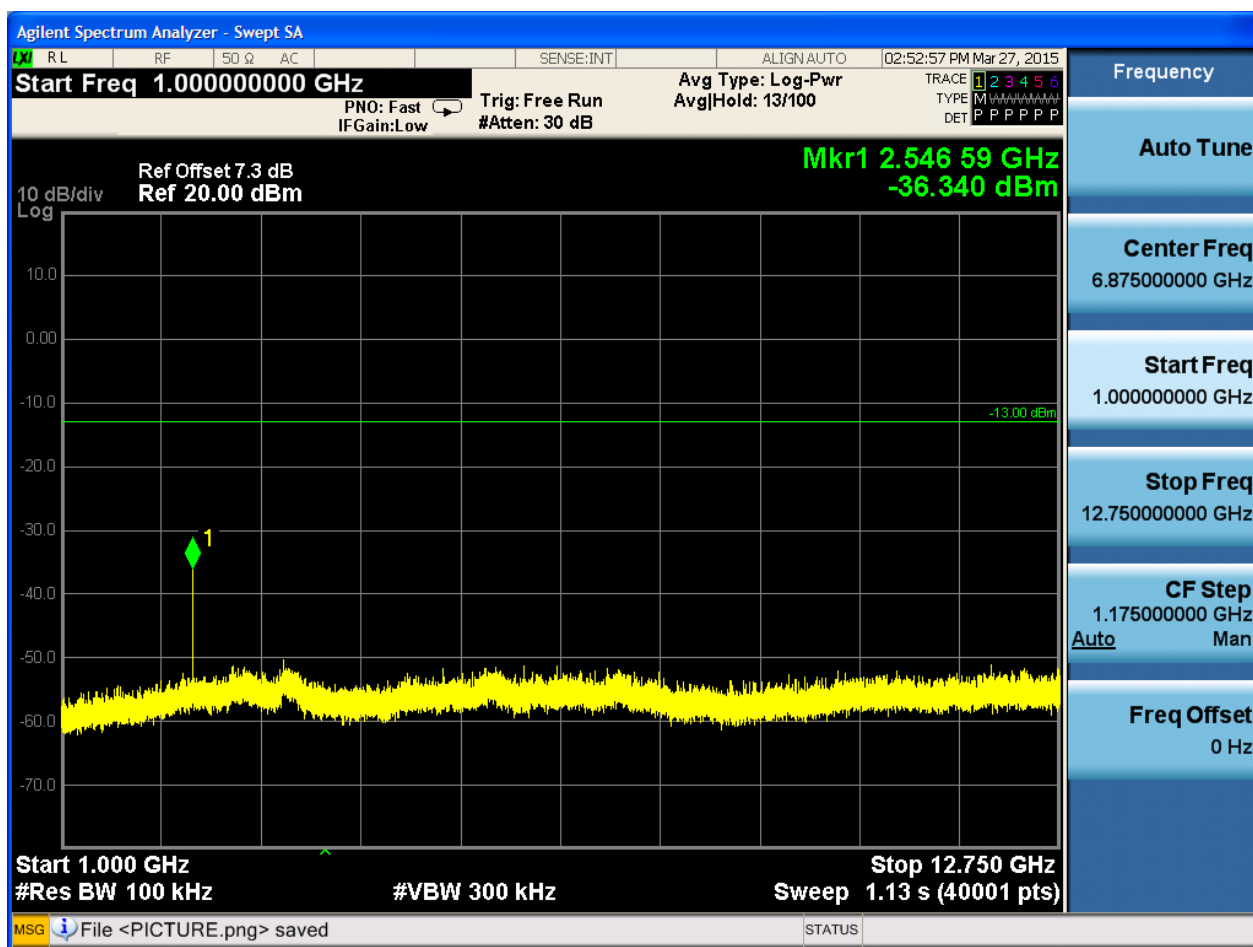


6.1.1.1.3 Test Channel = HCH



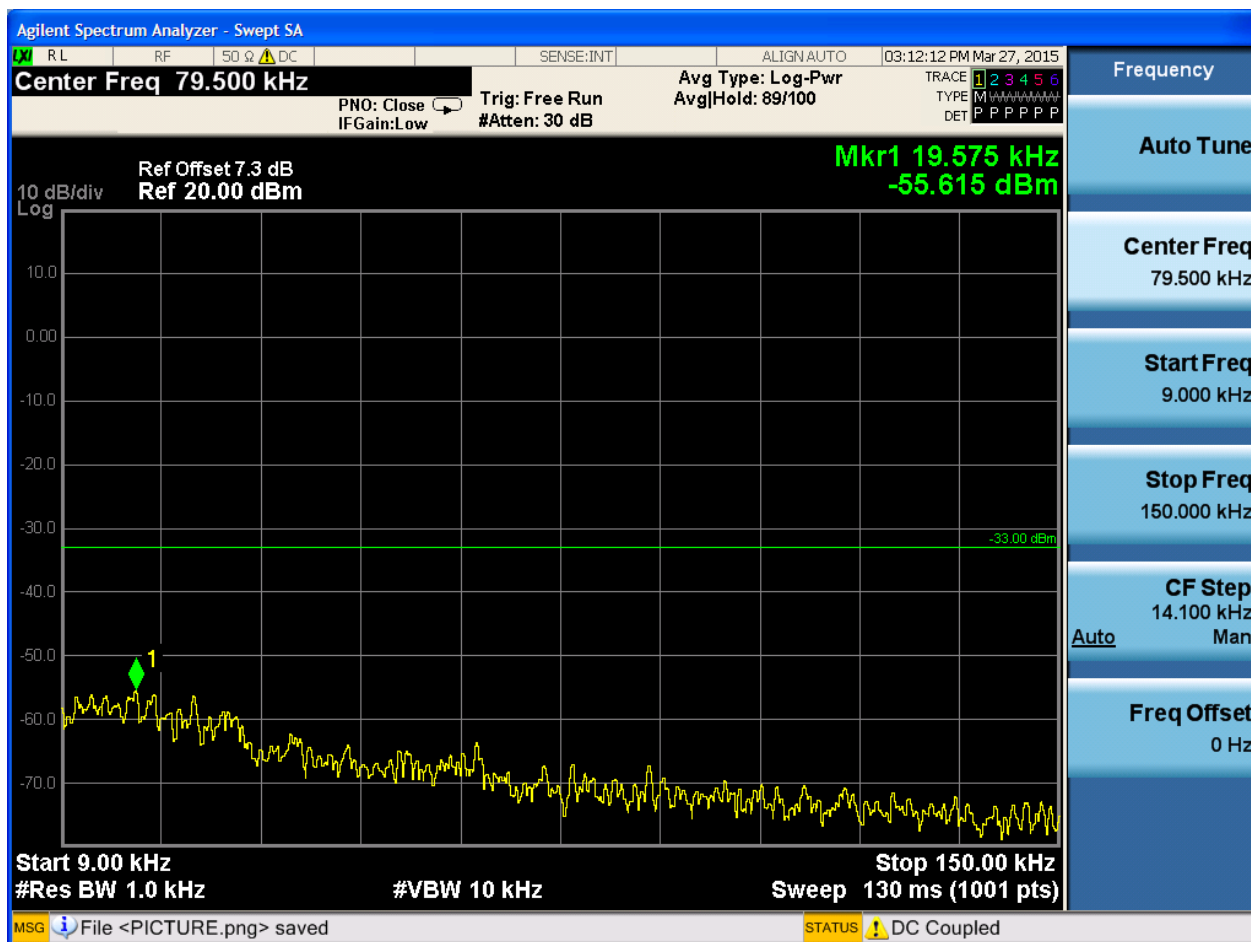


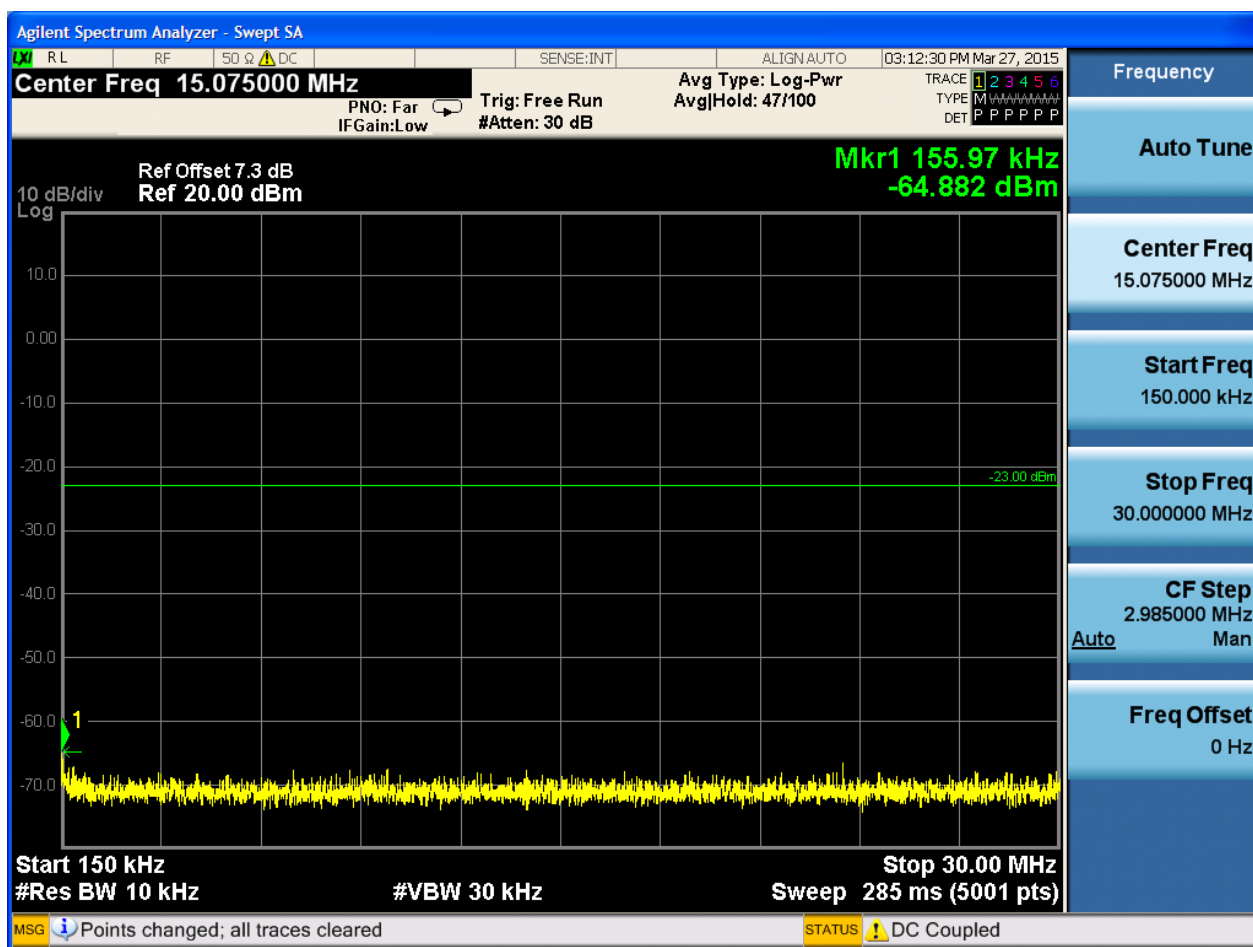


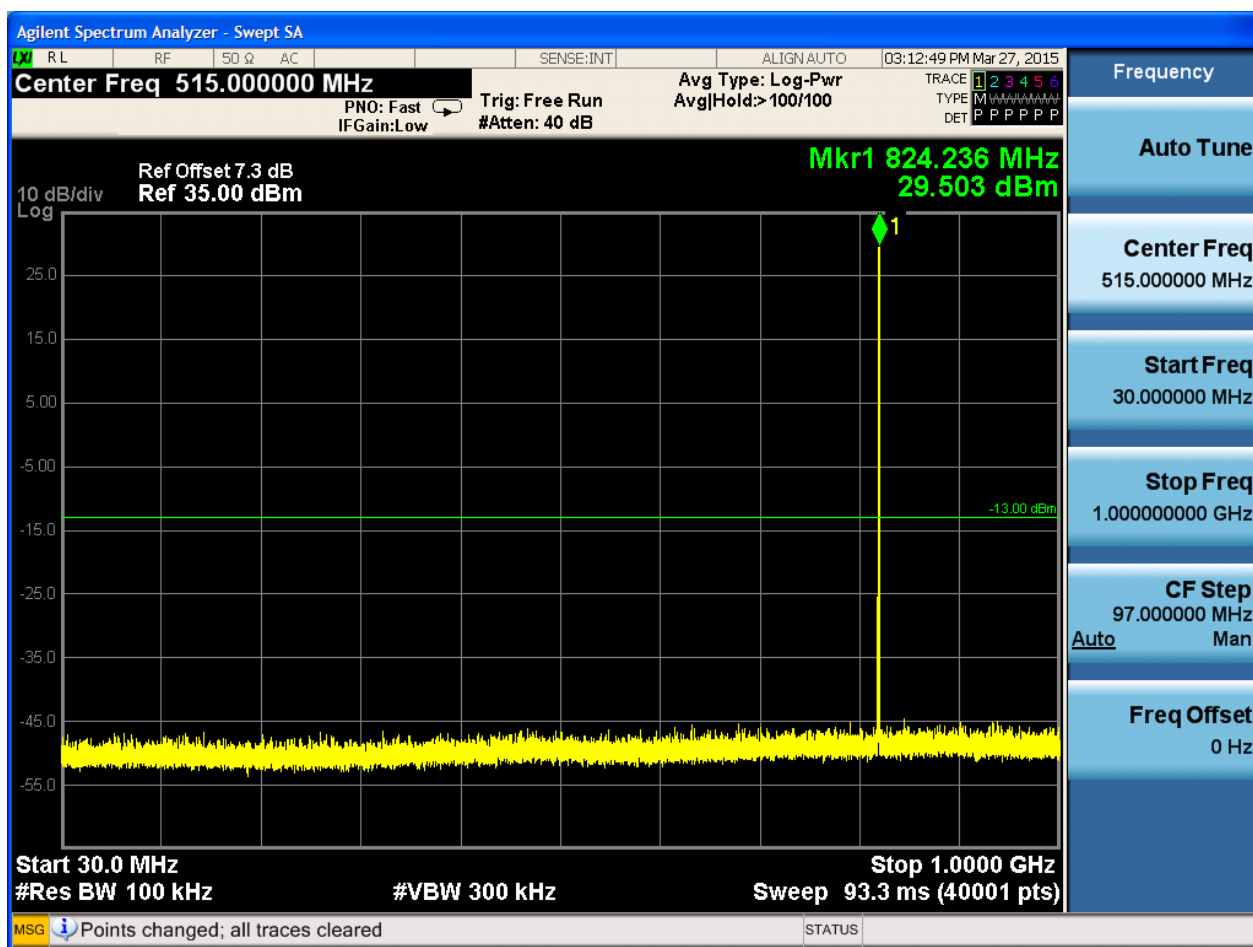


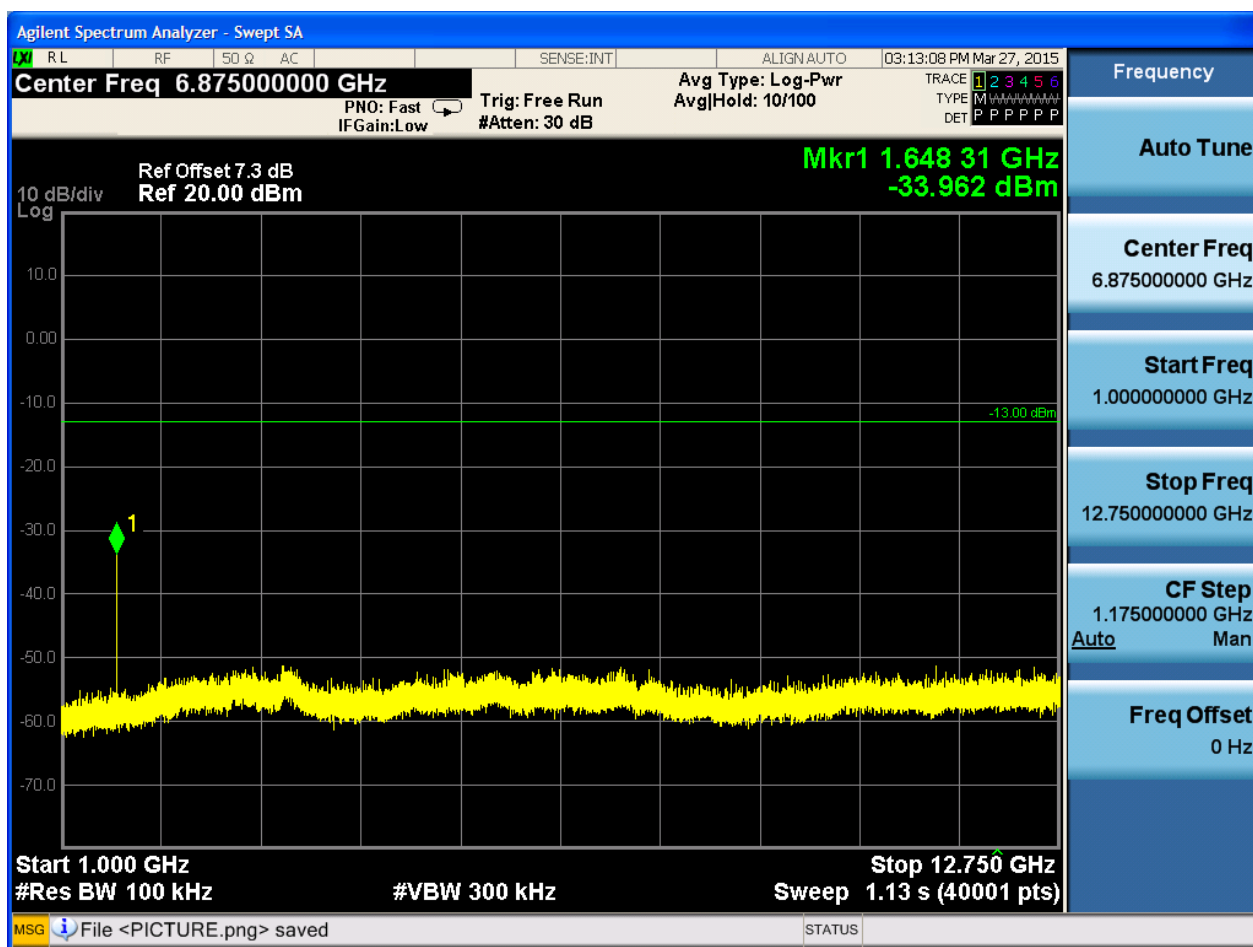
6.1.1.2 Test Mode = GSM/TM2

6.1.1.2.1 Test Channel = LCH



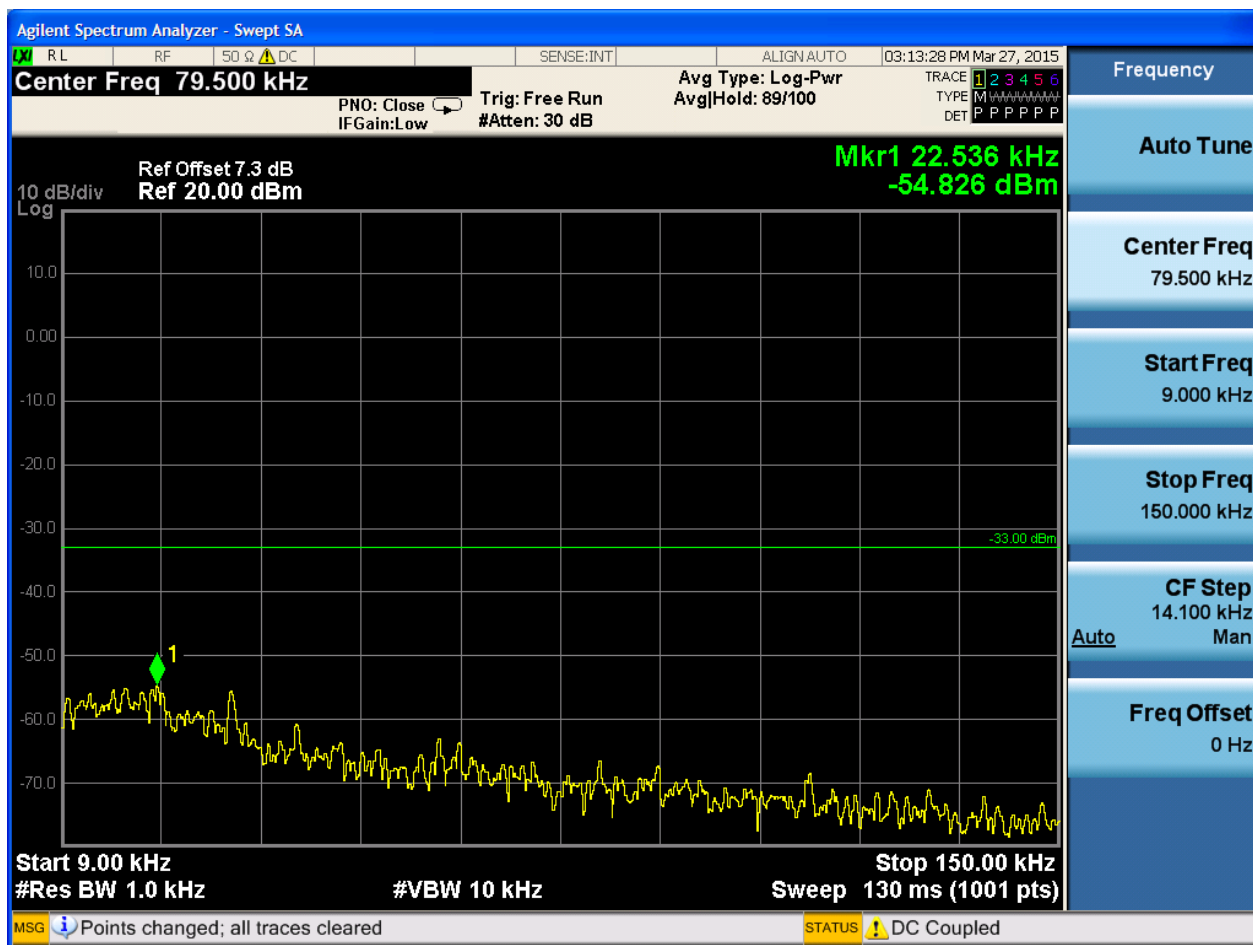


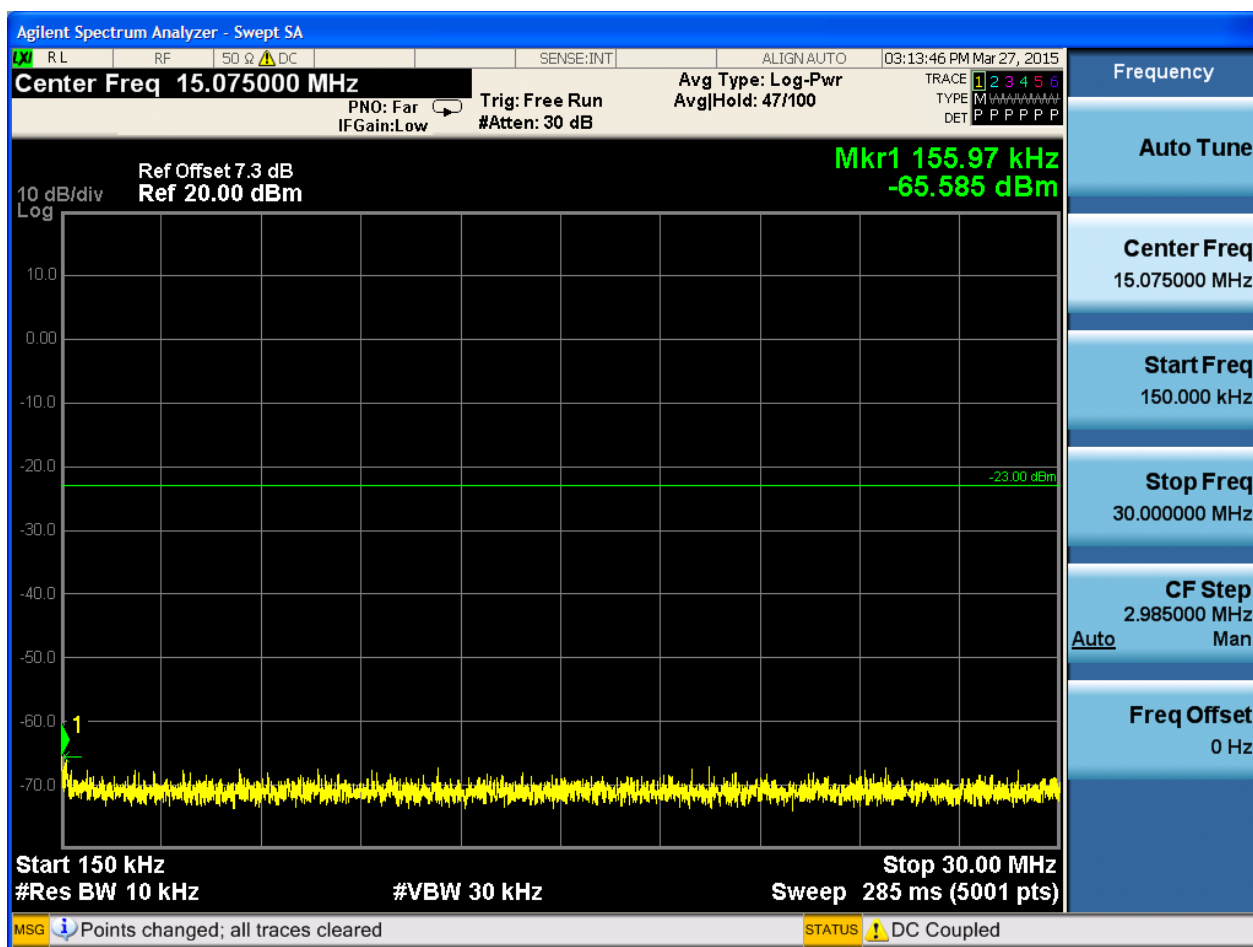


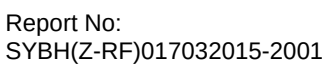
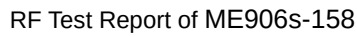


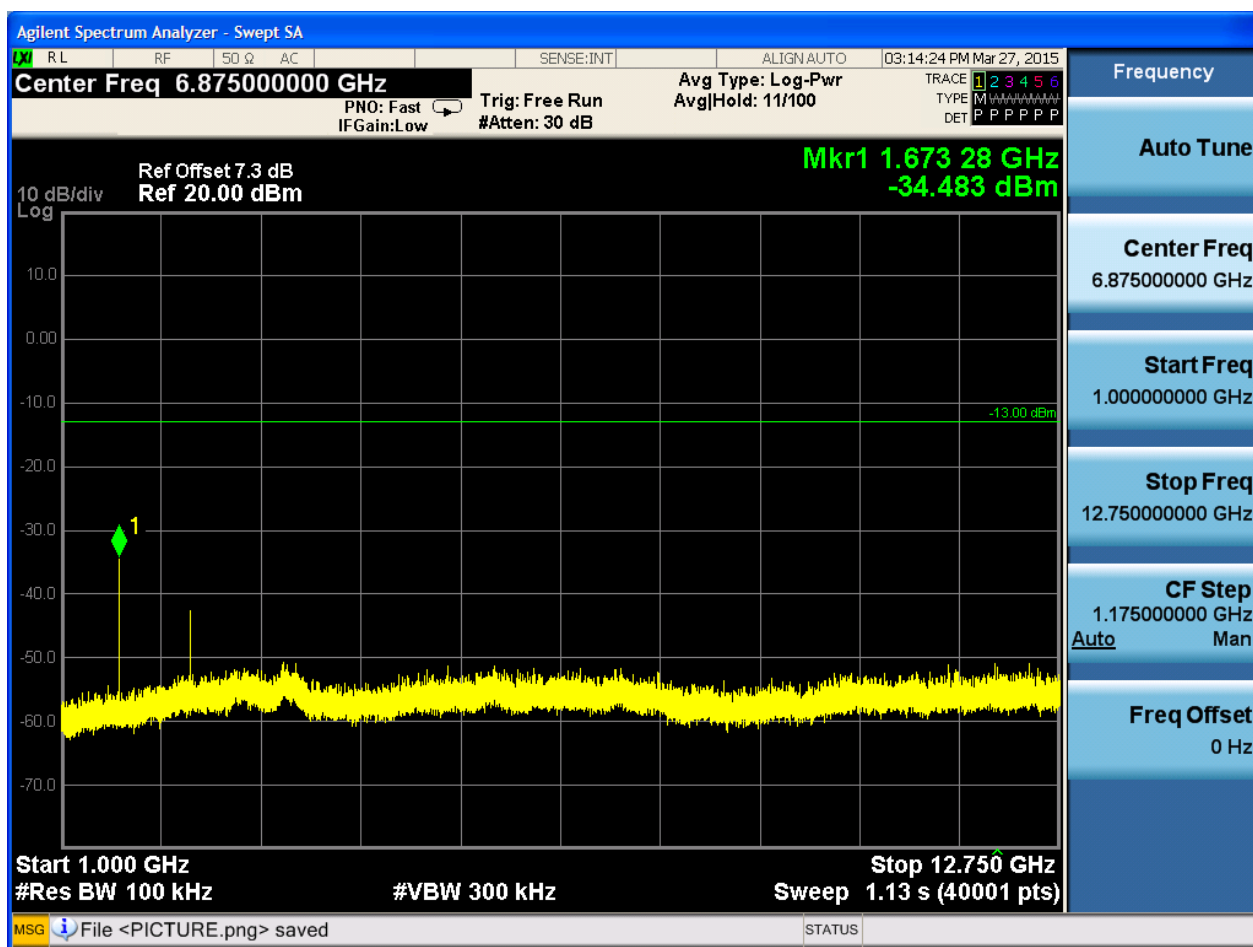


6.1.1.2.2 Test Channel = MCH



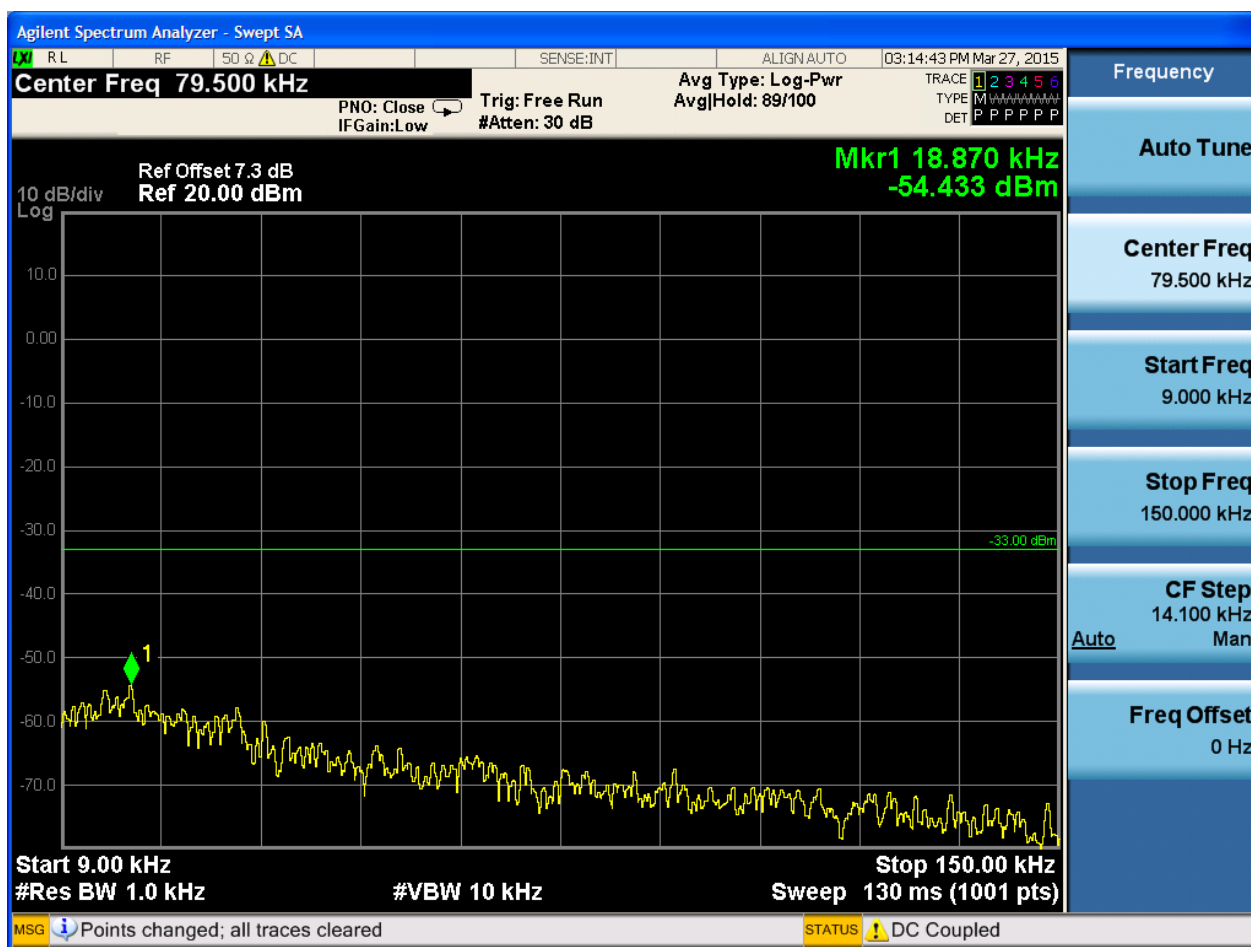


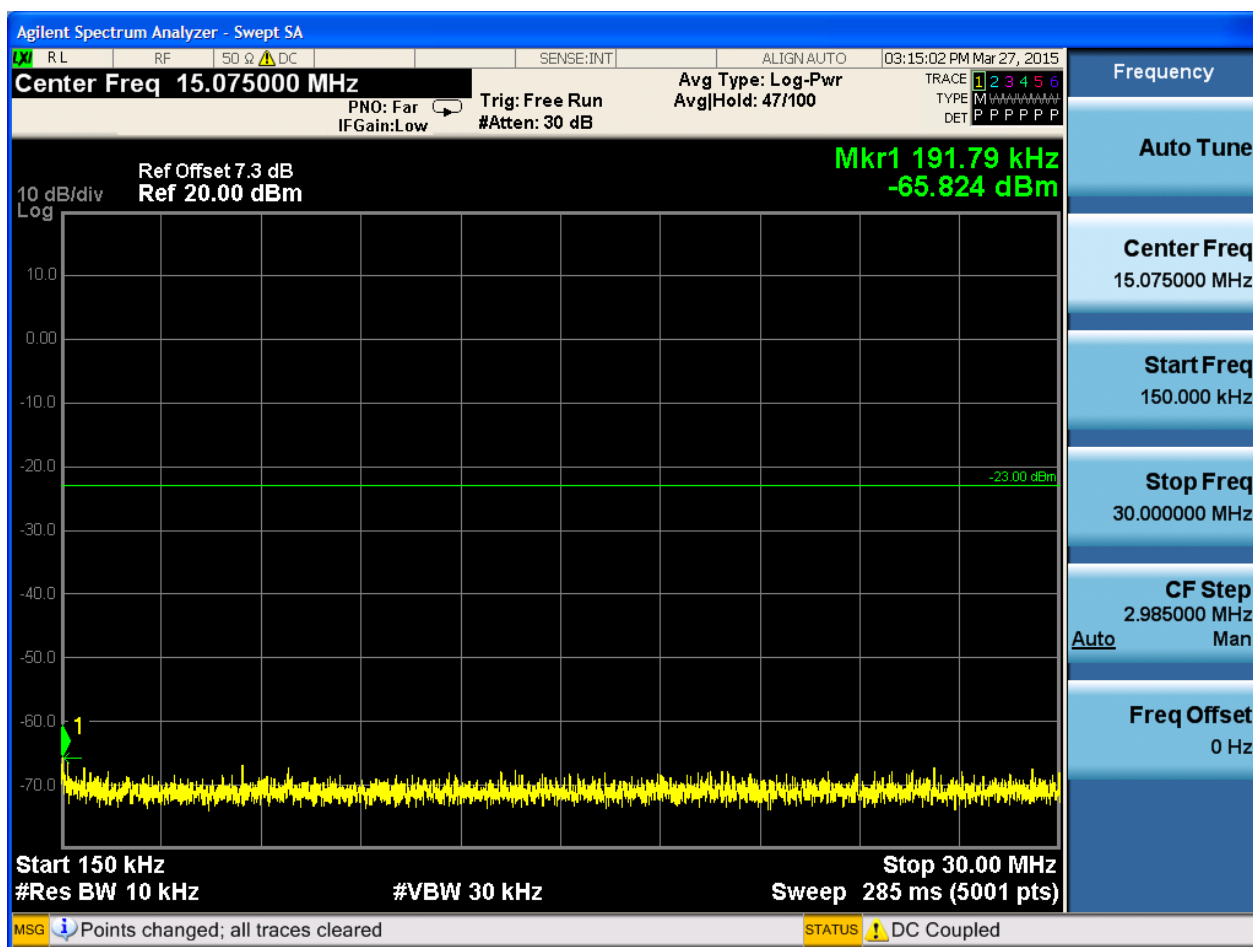


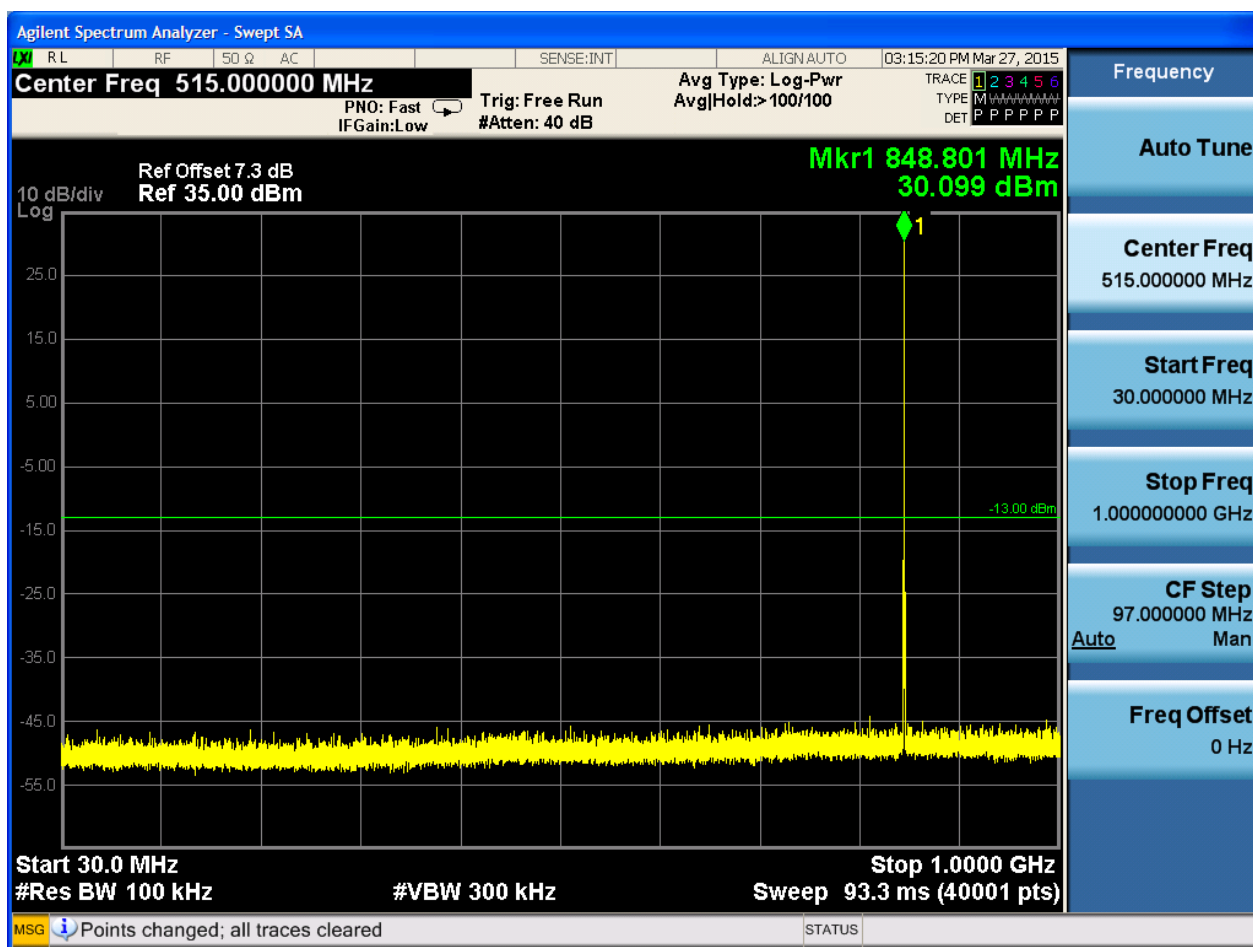


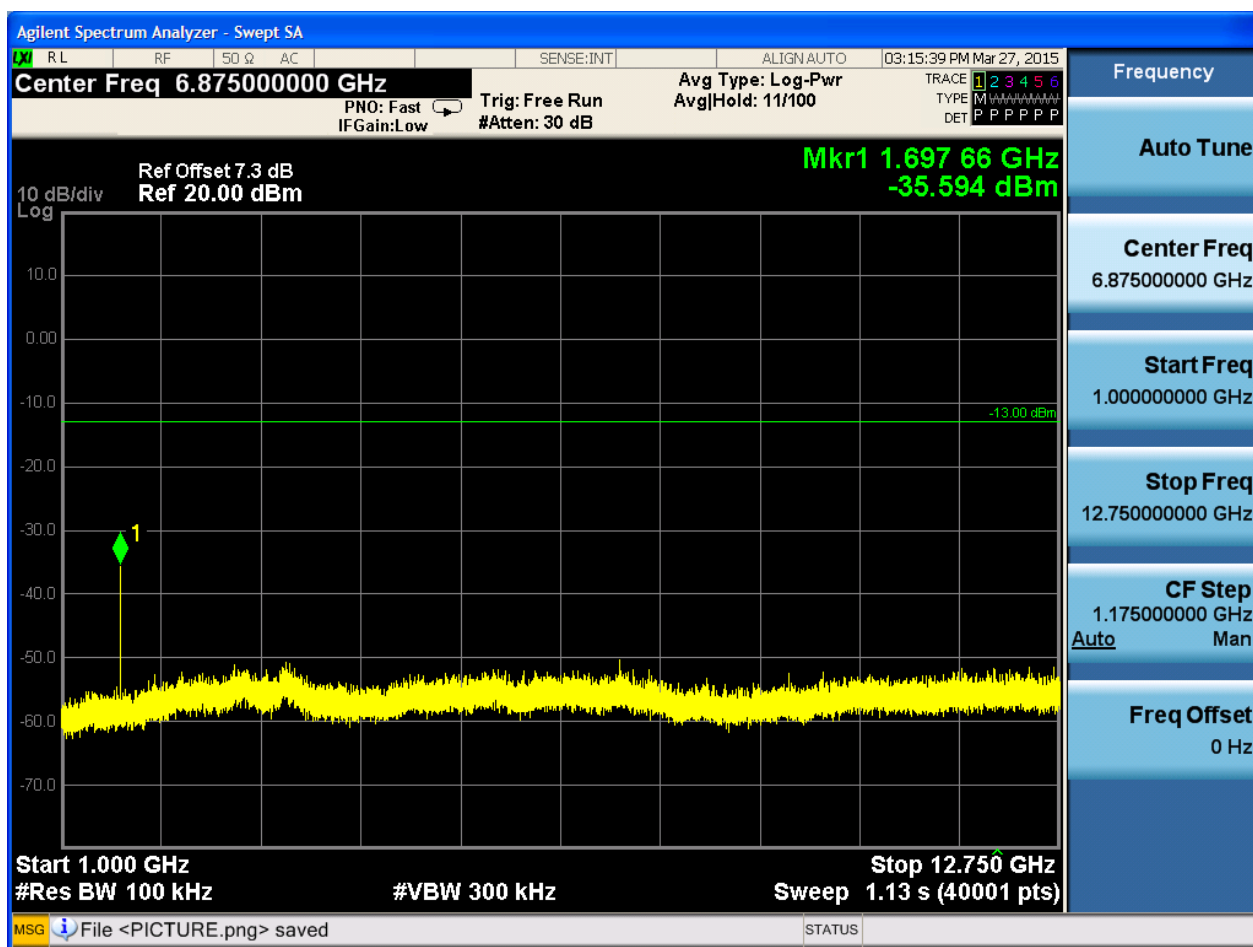


6.1.1.2.3 Test Channel = HCH







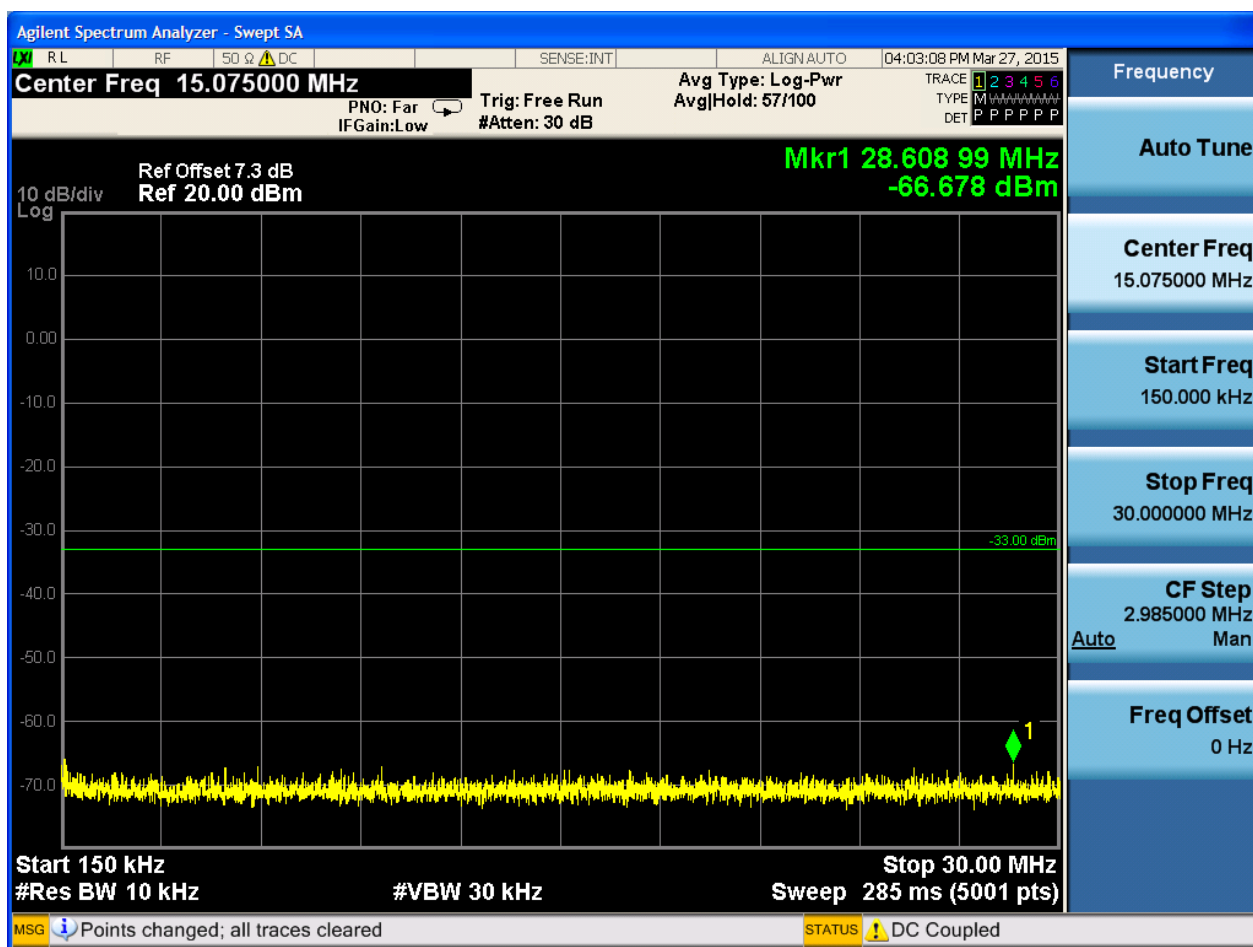


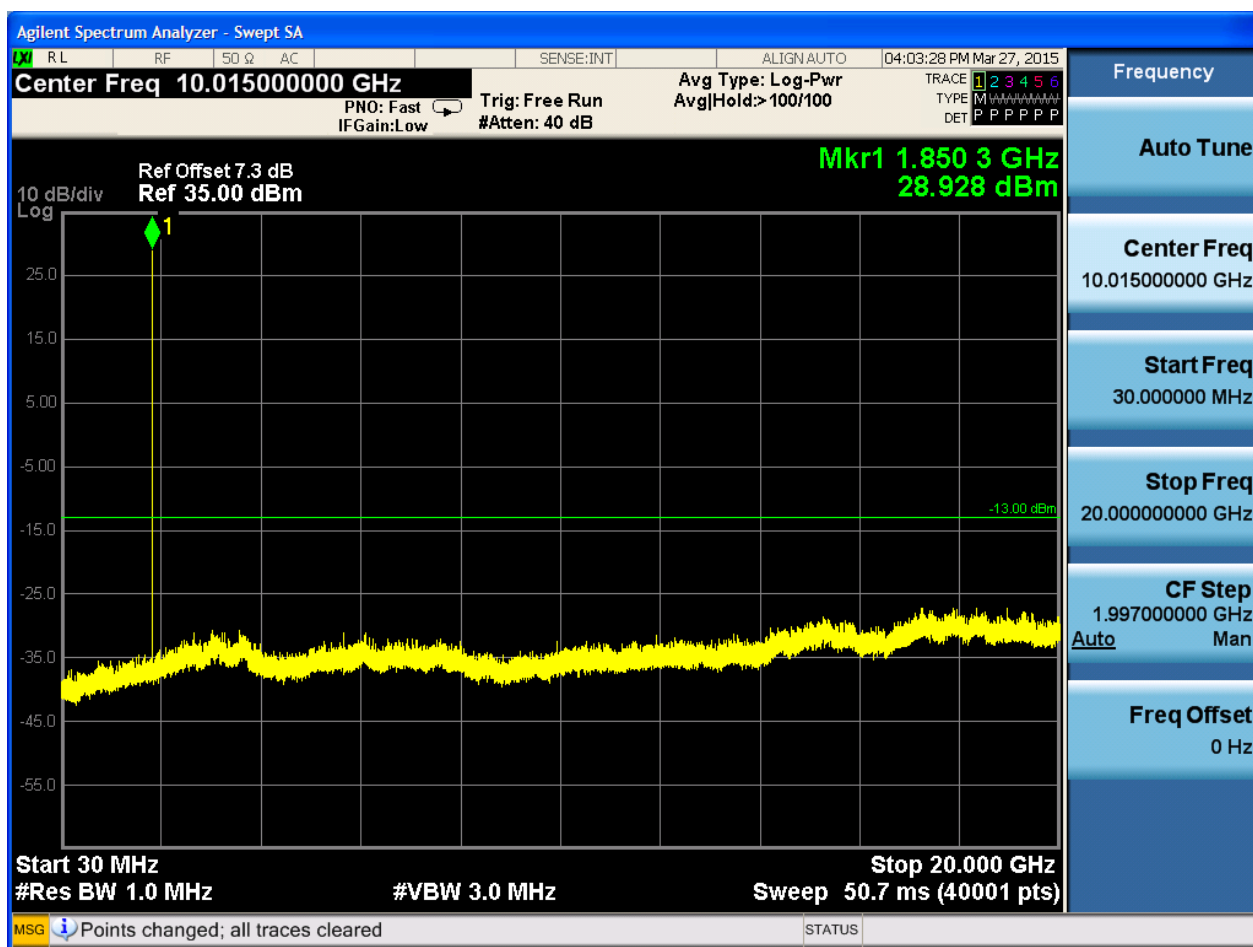
6.1.2 Test Band = GSM1900

6.1.2.1 Test Mode = GSM/TM1

6.1.2.1.1 Test Channel = LCH



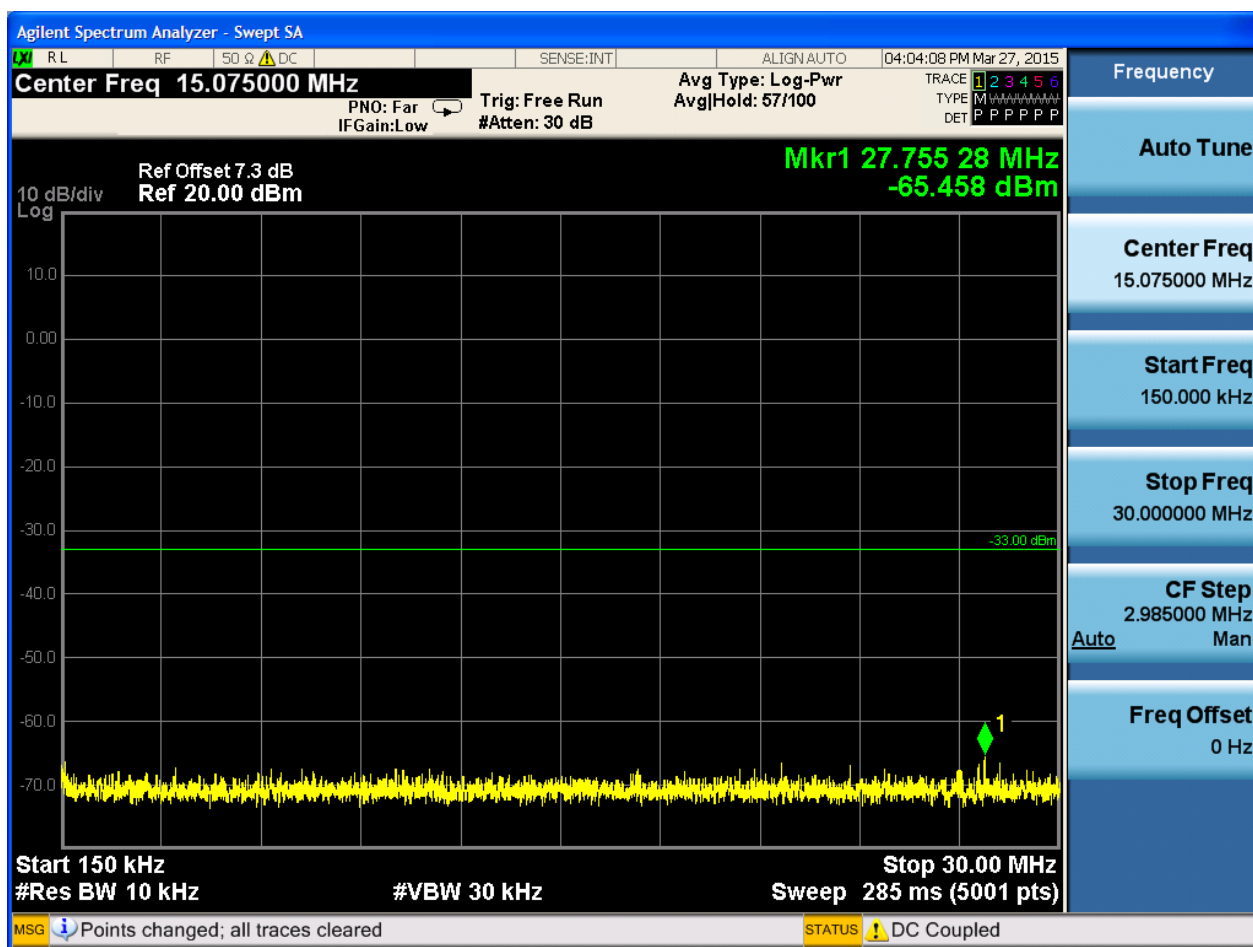


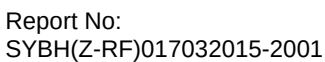
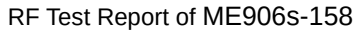


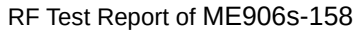


6.1.2.1.2 Test Channel = MCH









Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω Δ 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 W DET P P P P P P

Ref Offset 7.3 dB Mkr1 9.000 kHz
Ref 17.30 dBm -61.303 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

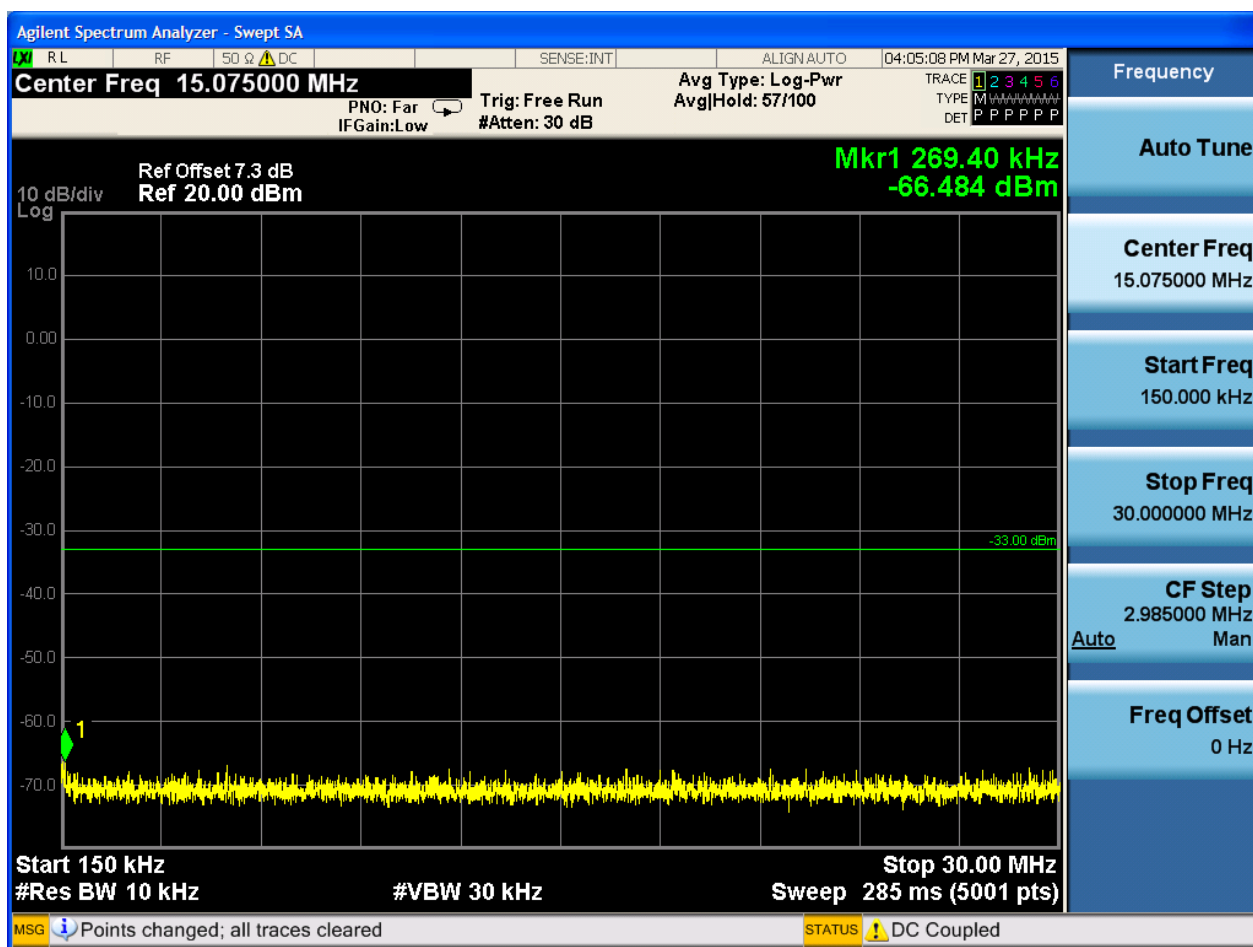
Start Freq 9.000 kHz

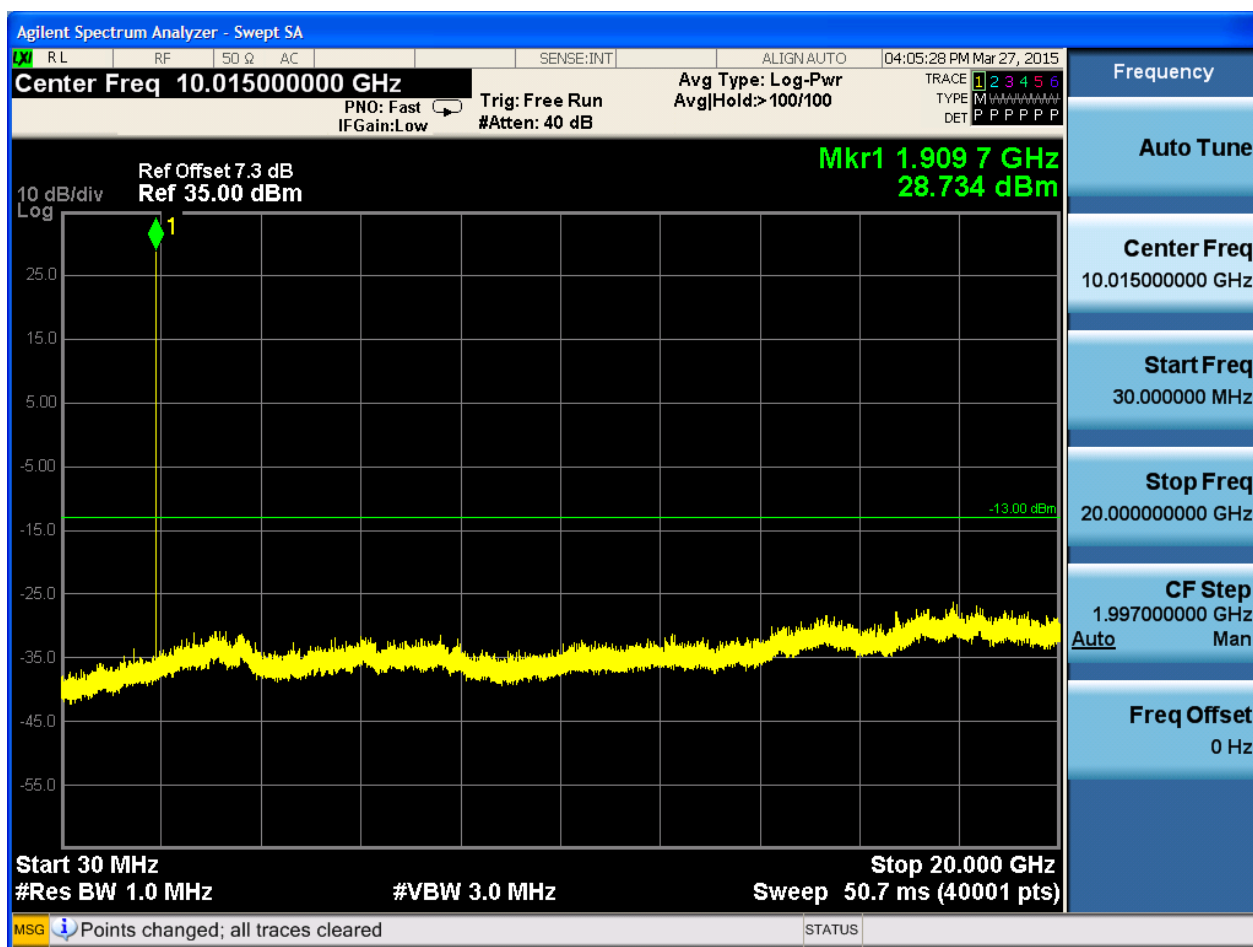
Stop Freq 150.000 kHz

CF Step 14.100 kHz Man

Auto

Freq Offset 0 Hz

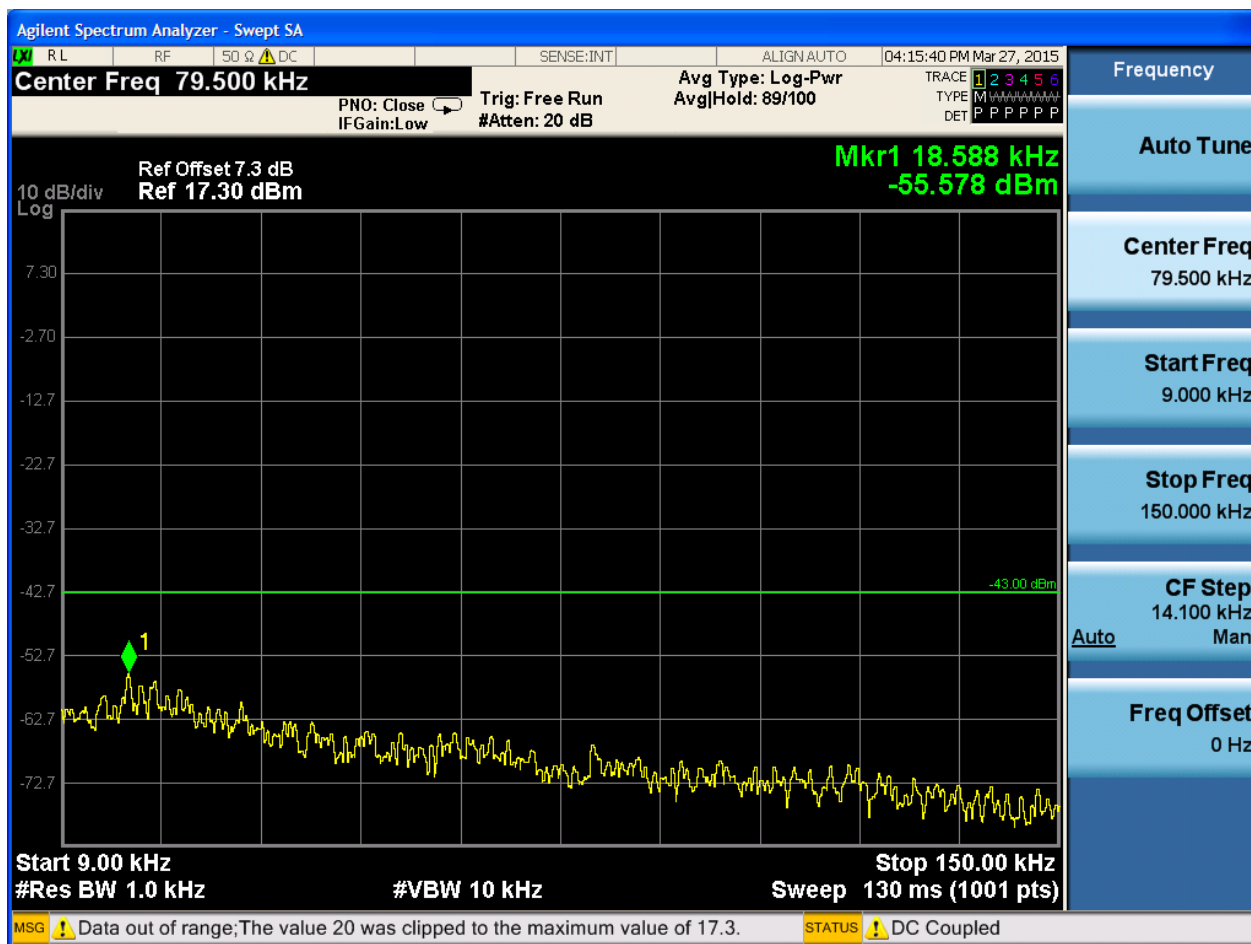


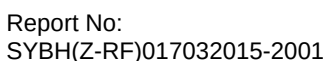
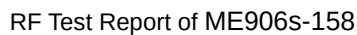


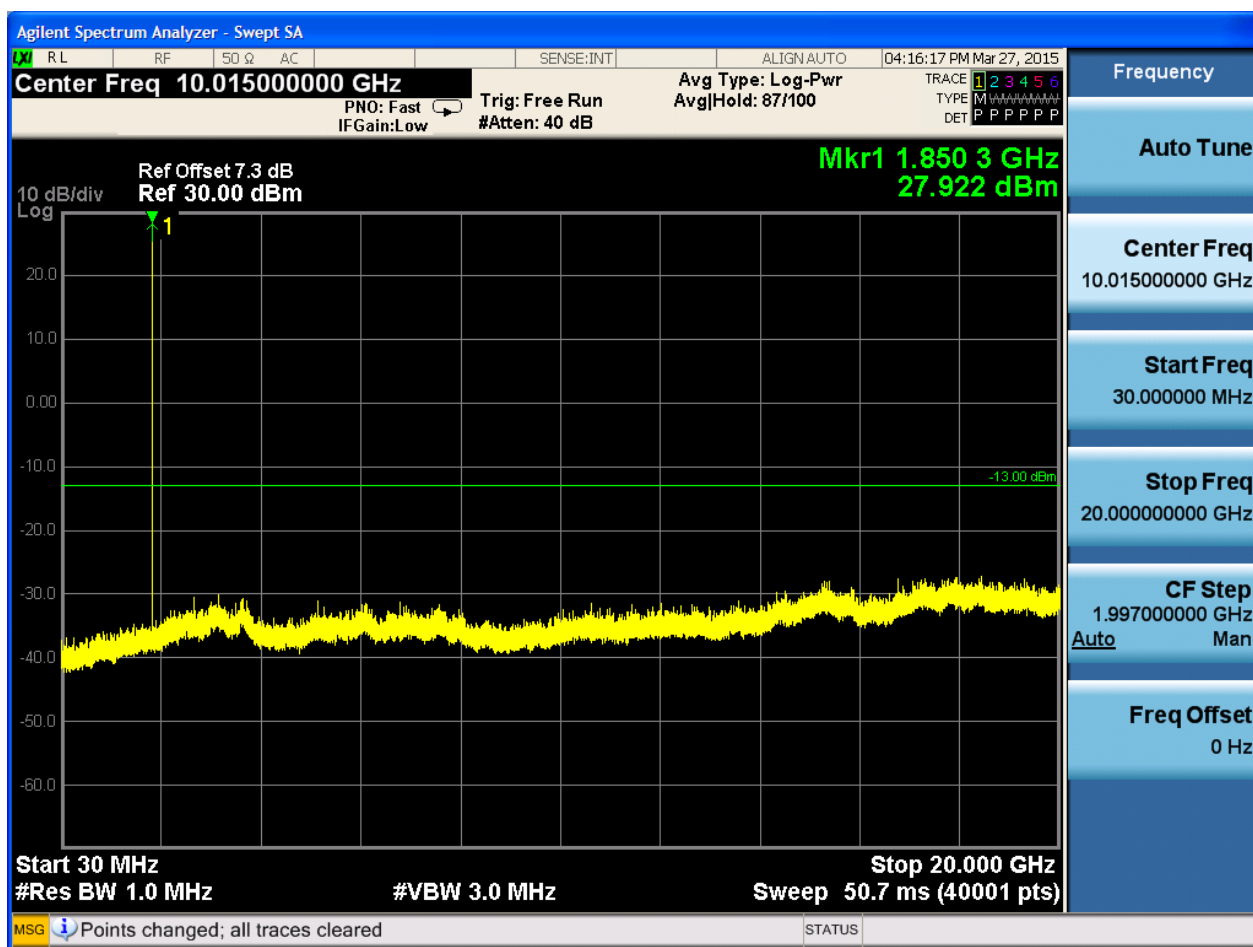


6.1.2.2 Test Mode = GSM/TM2

6.1.2.2.1 Test Channel = LCH

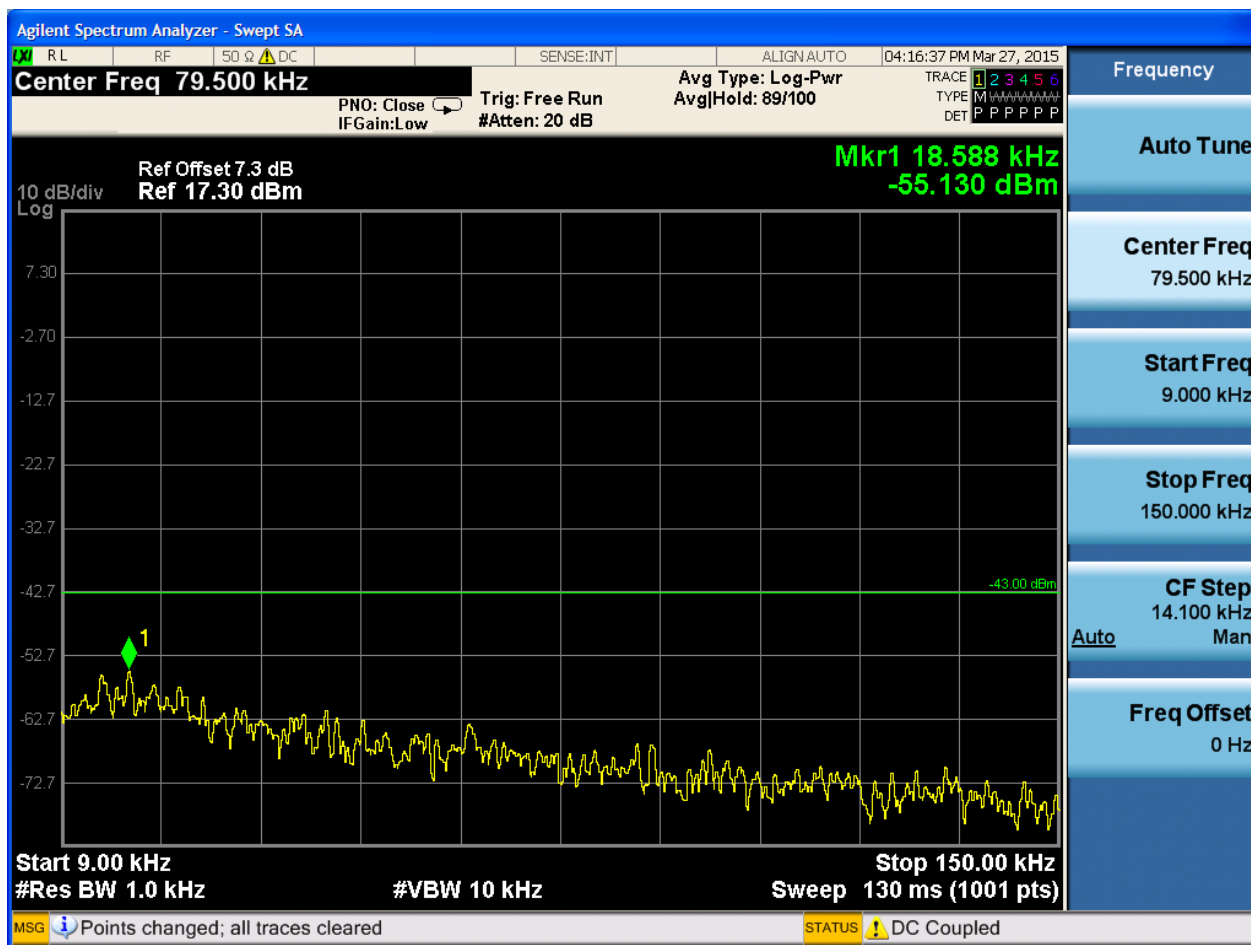


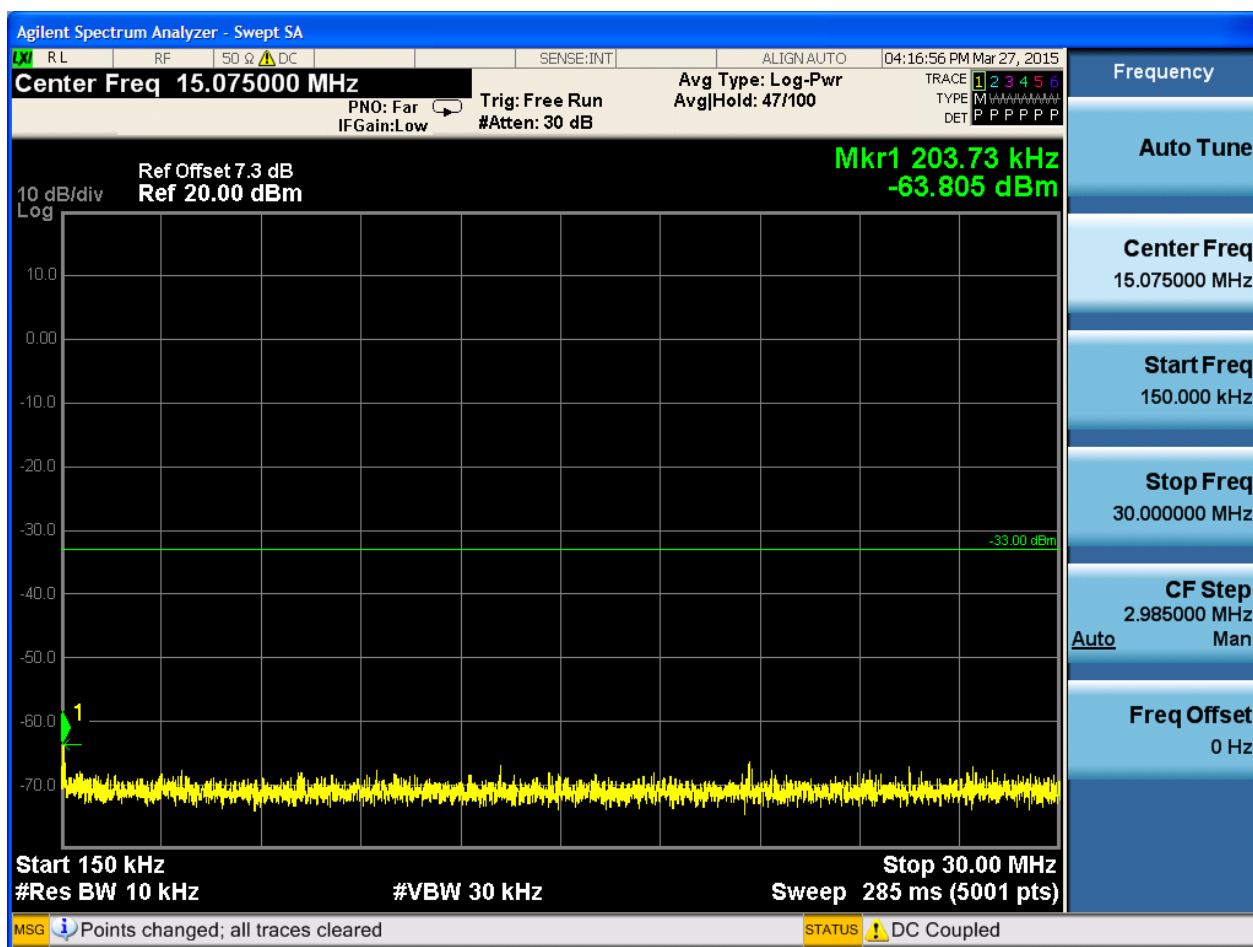


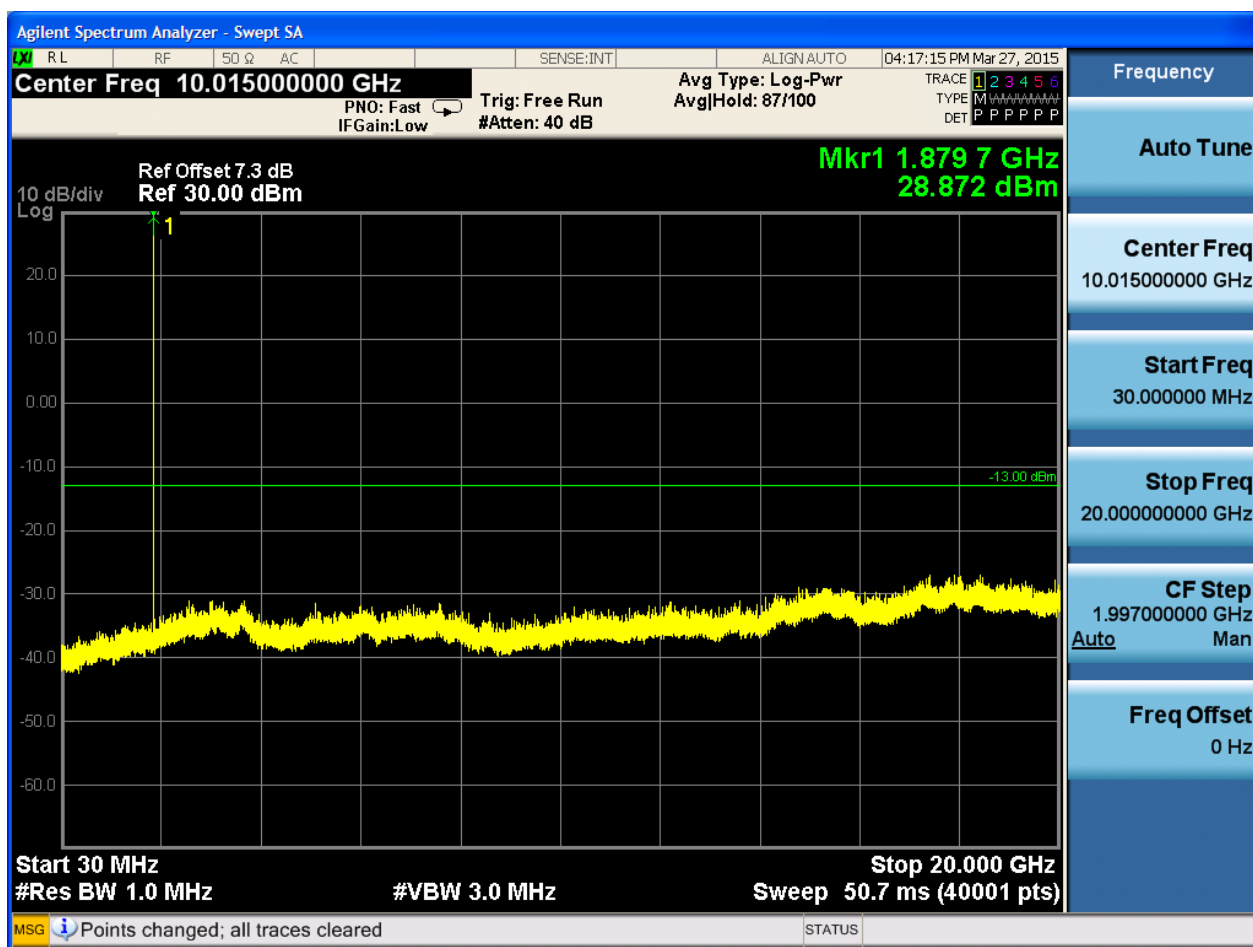




6.1.2.2.2 Test Channel = MCH

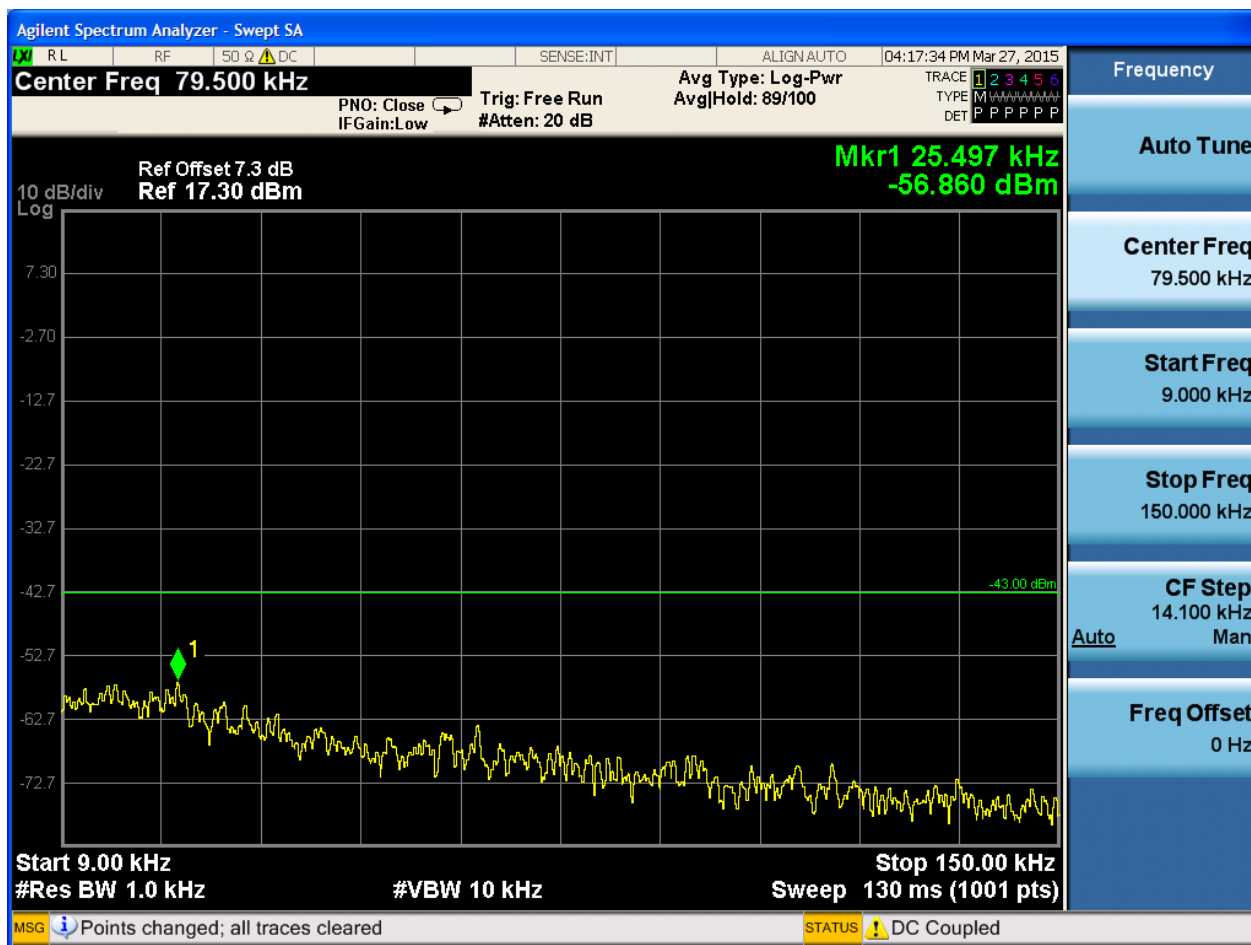


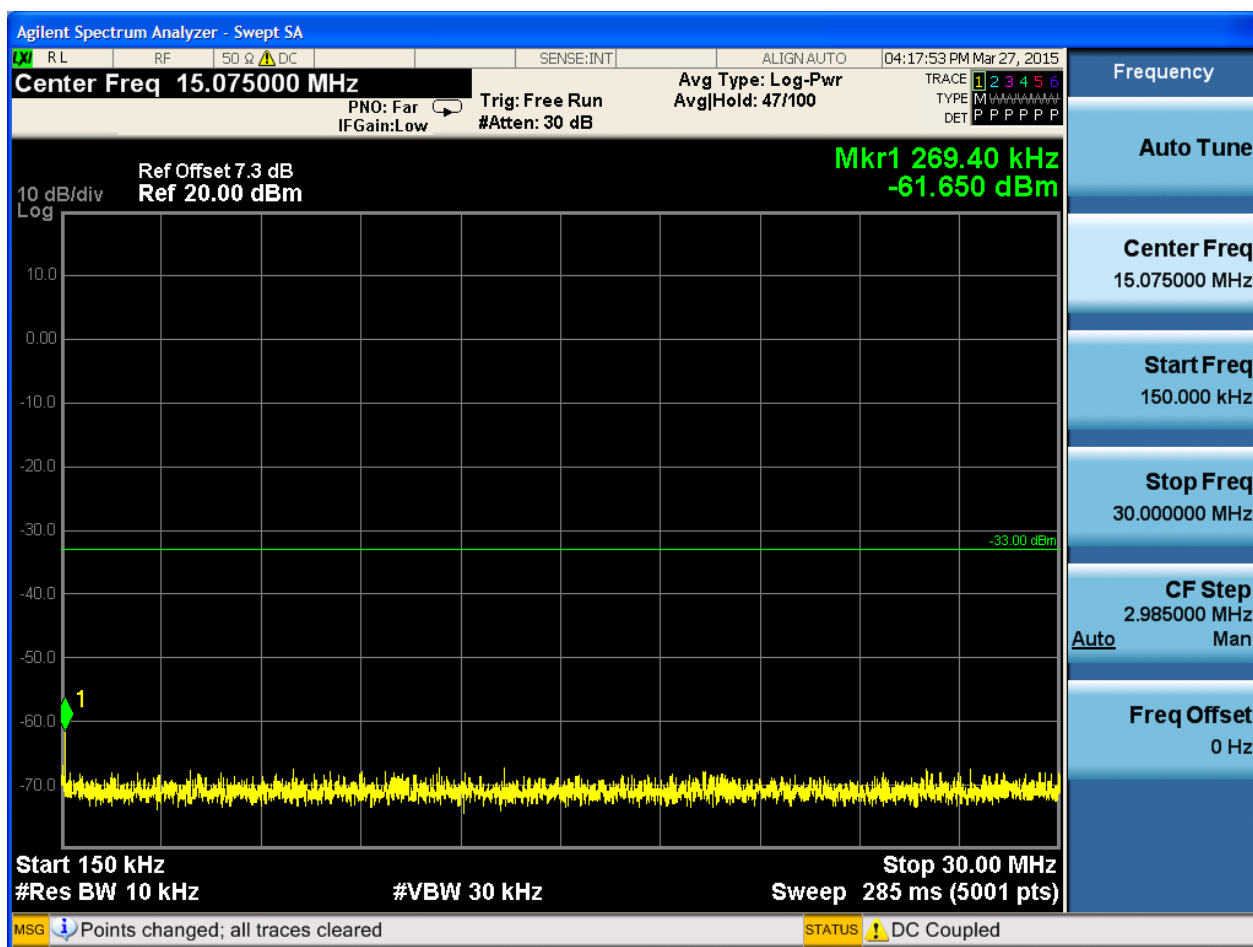


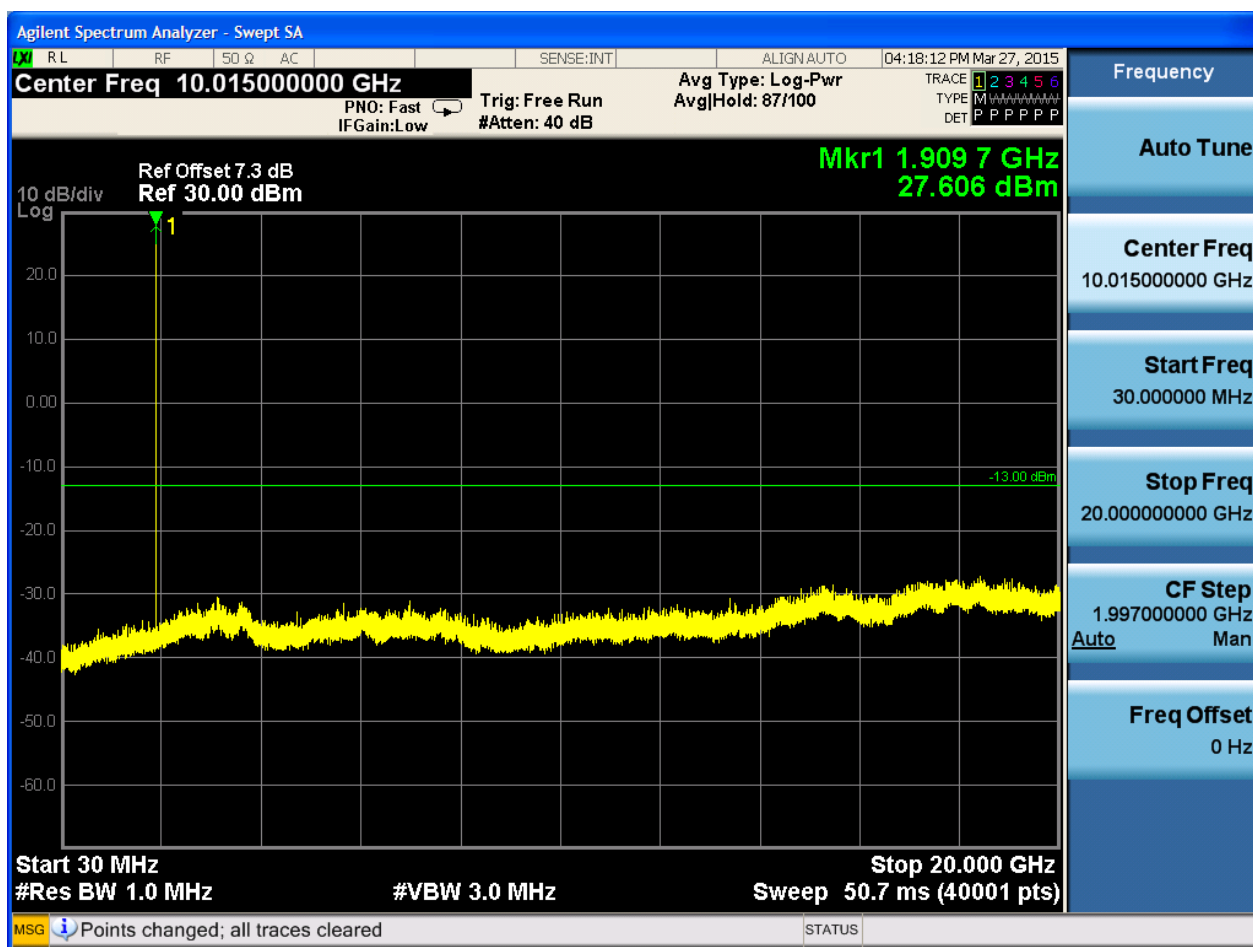




6.1.2.2.3 Test Channel = HCH







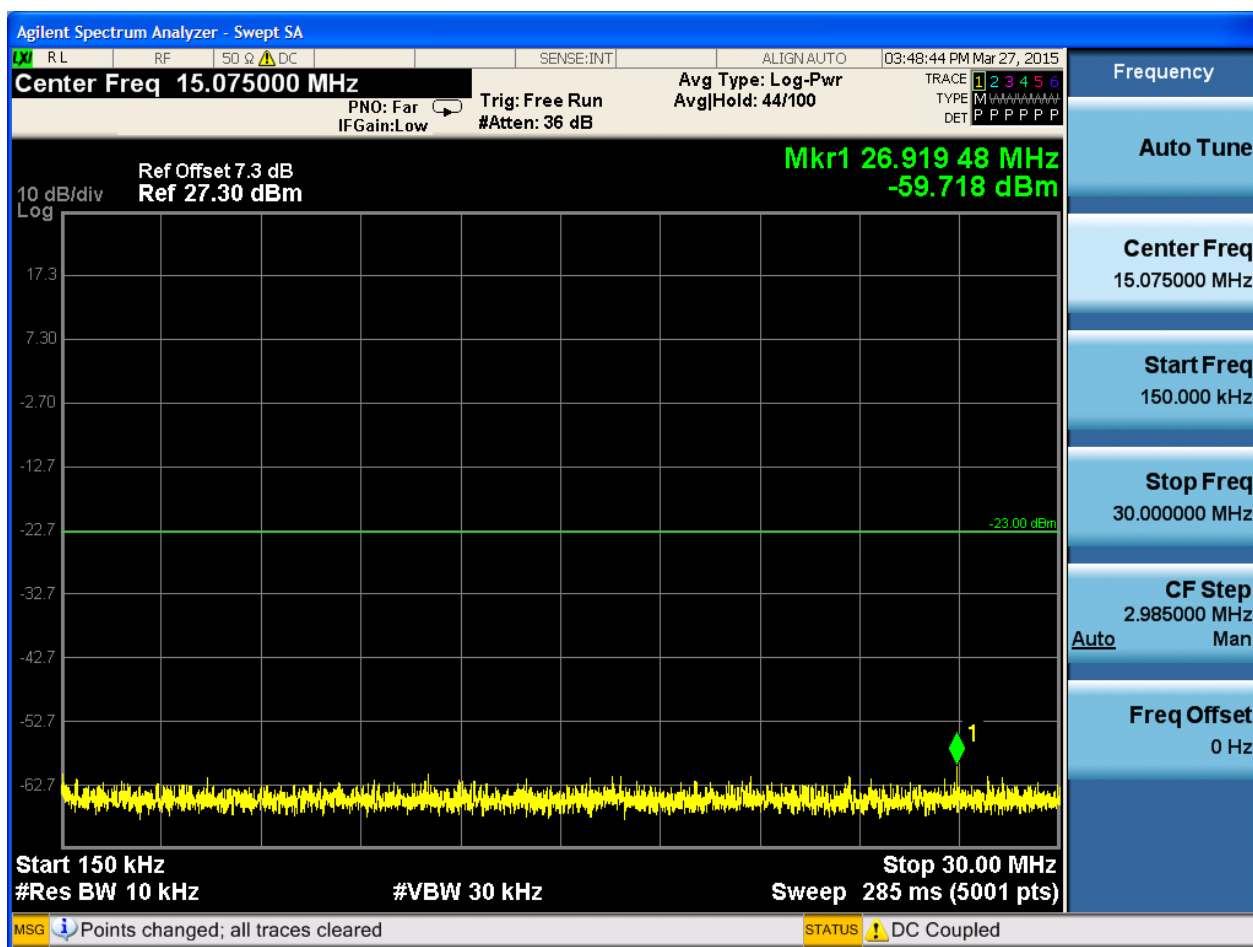
6.2 For UMTS

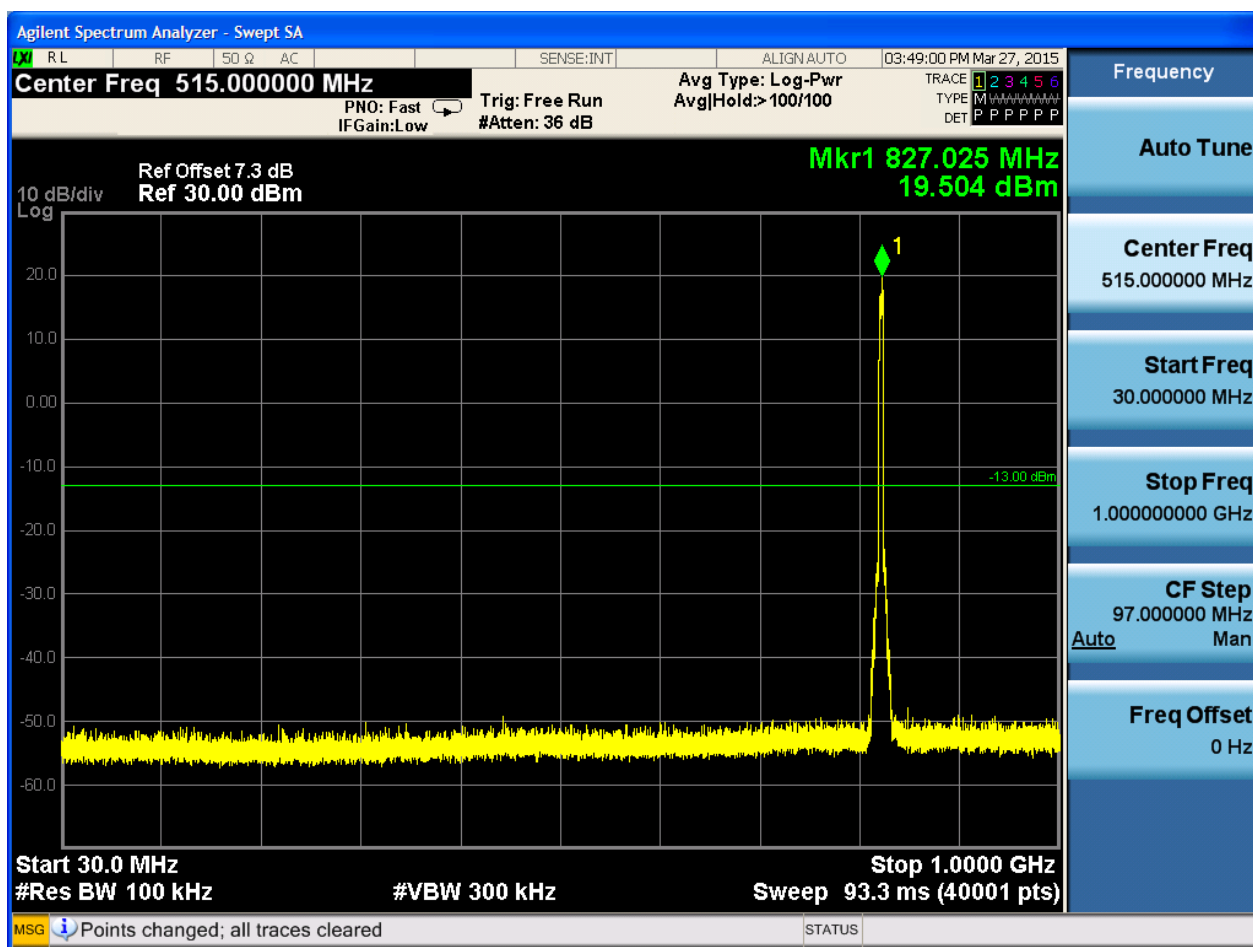
6.2.1 Test Band = WCDMA850

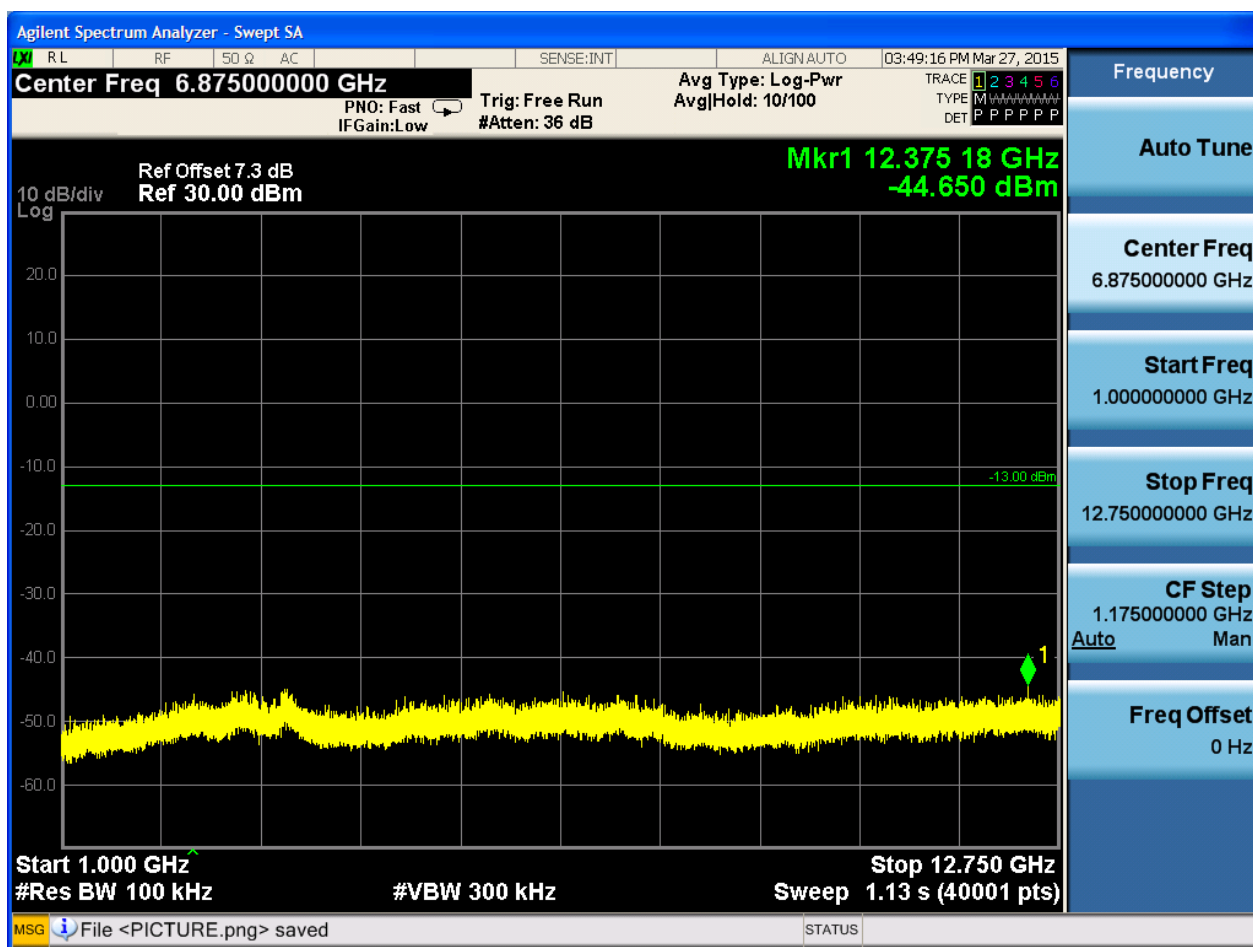
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH





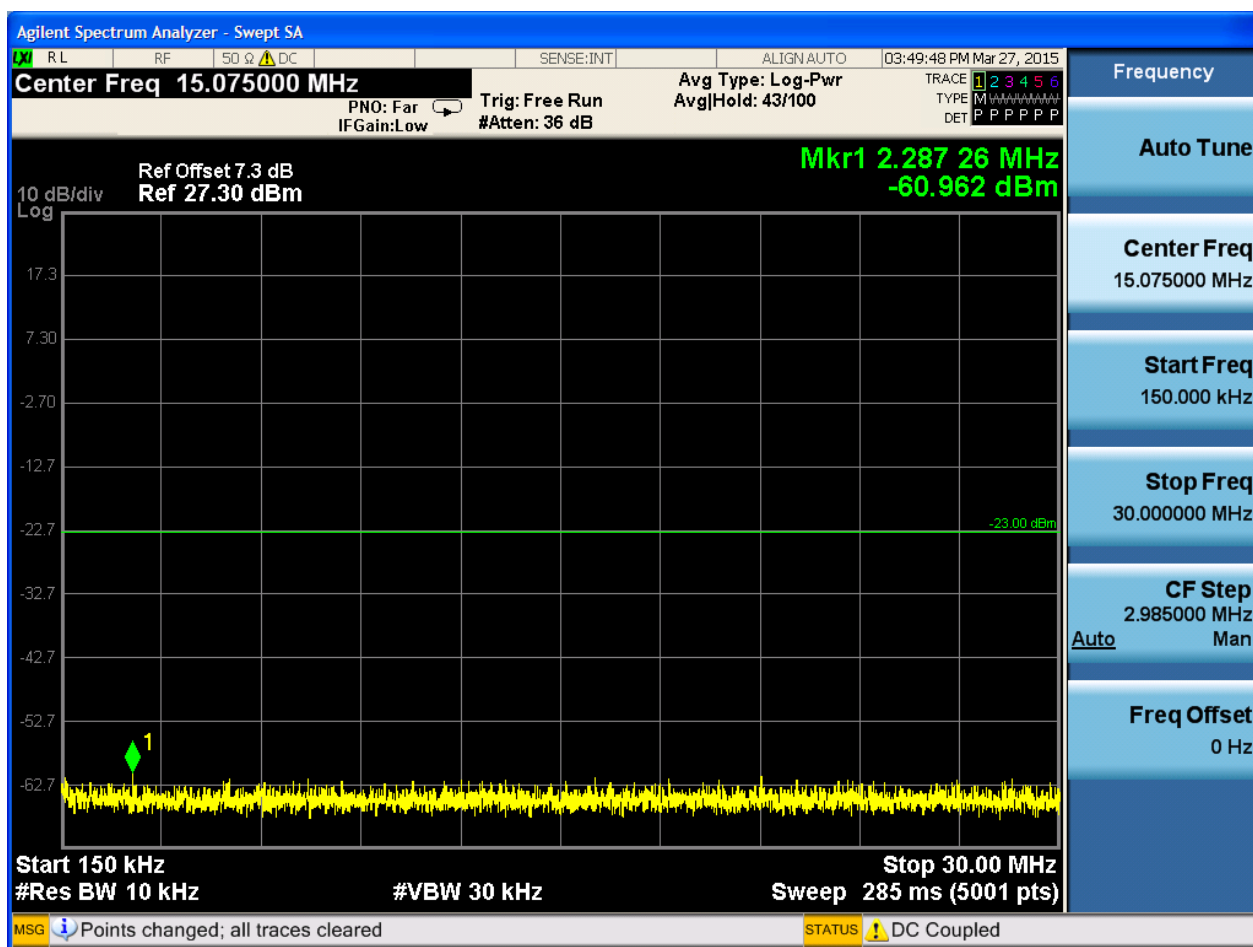


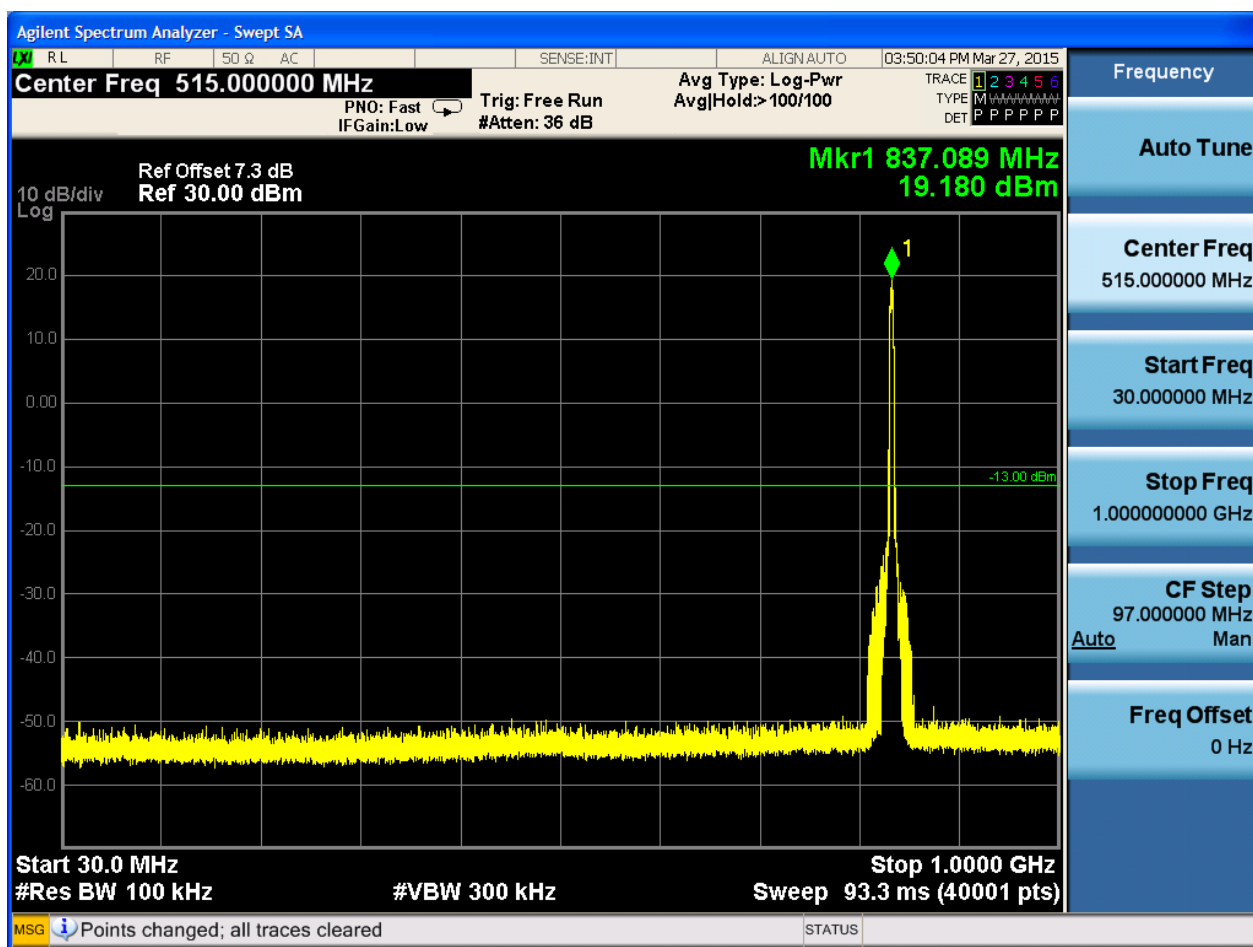


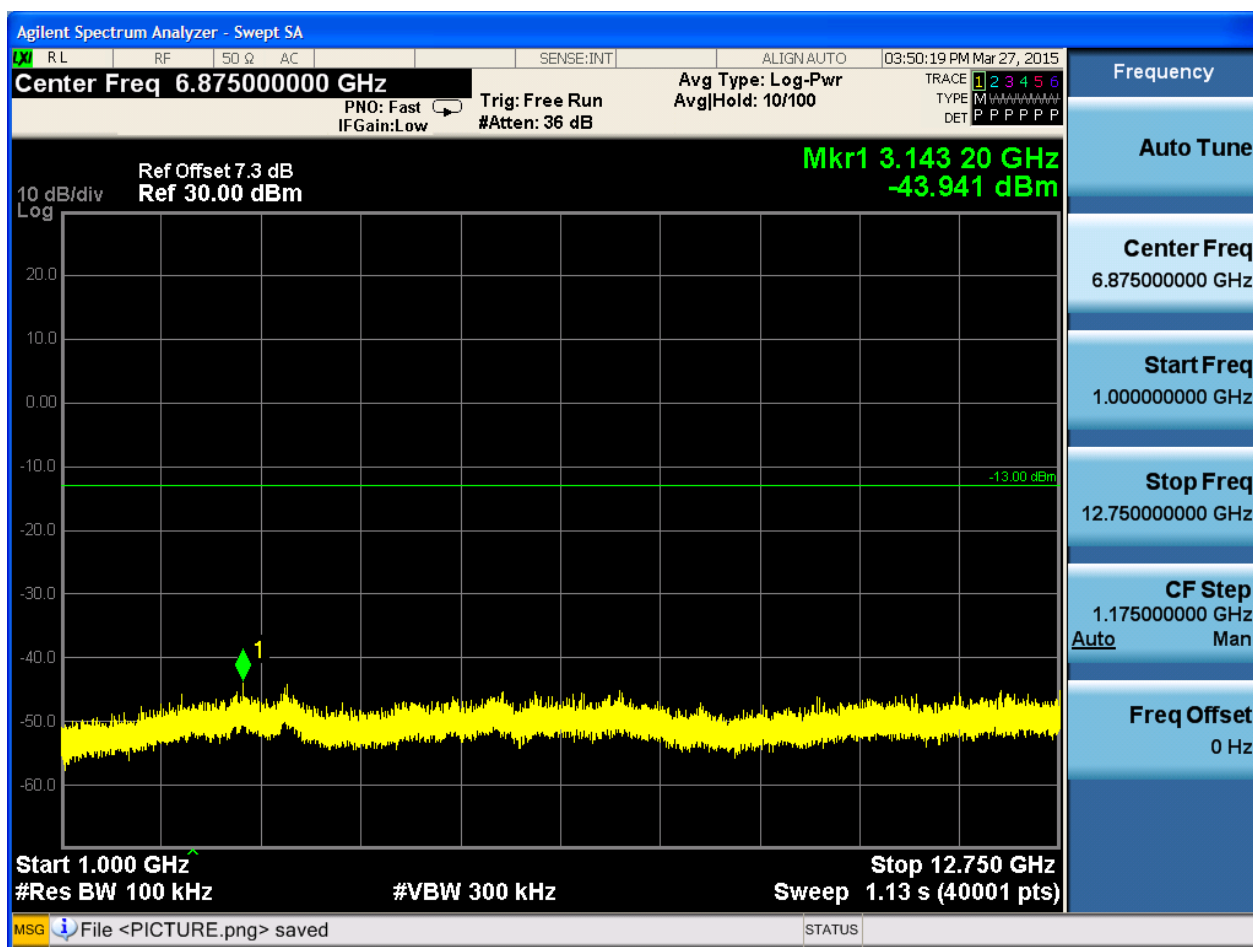


6.2.1.1.2 Test Channel = MCH



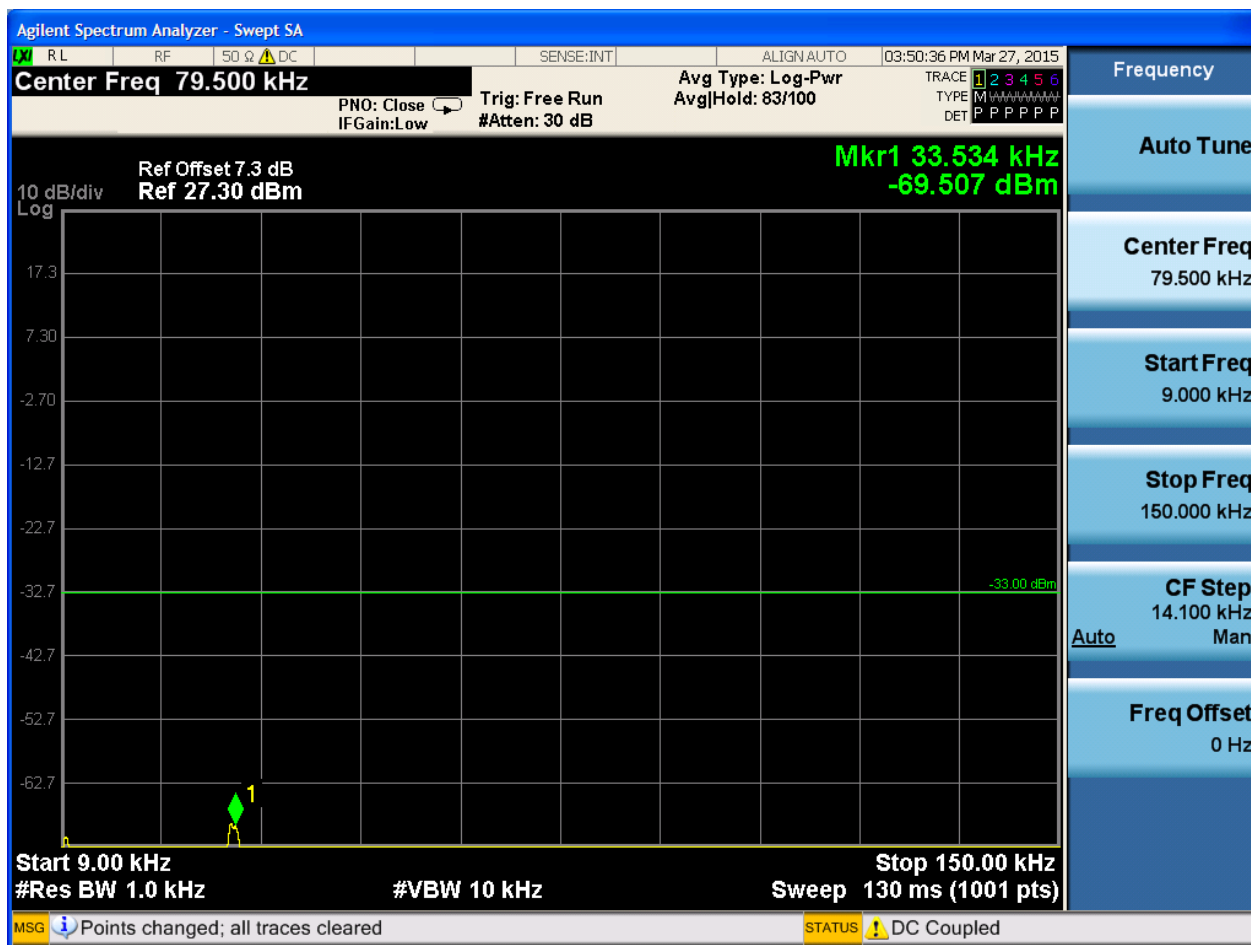


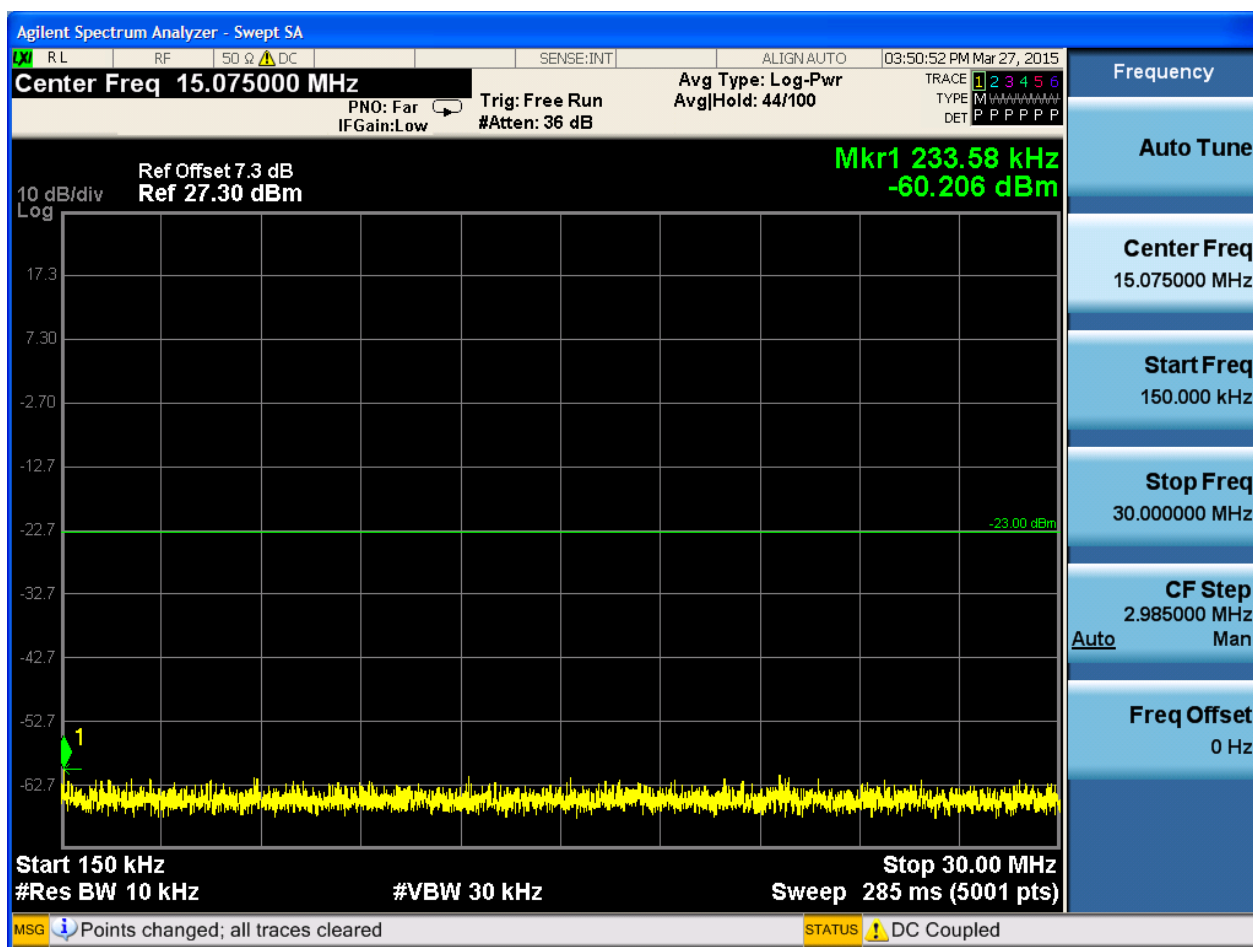


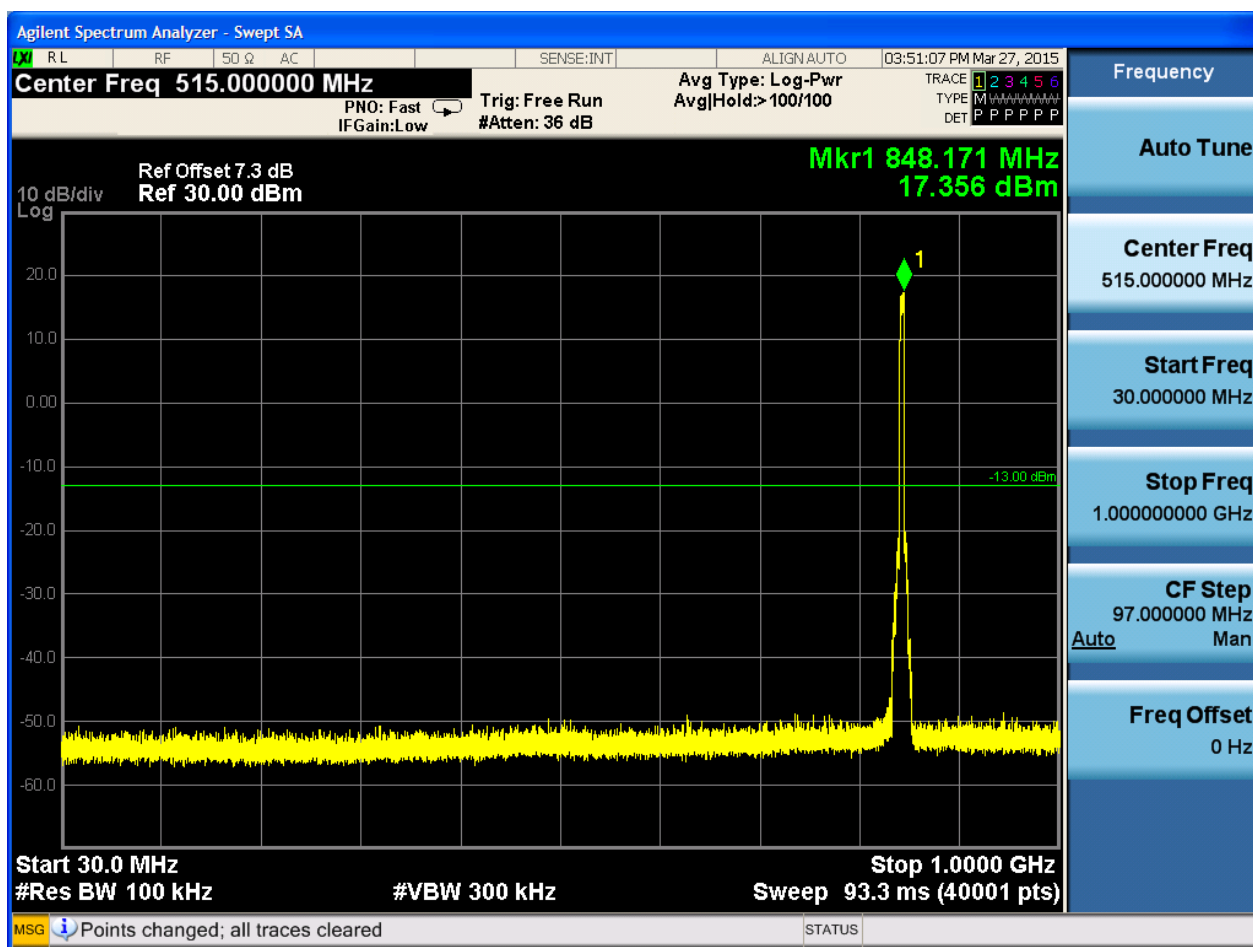


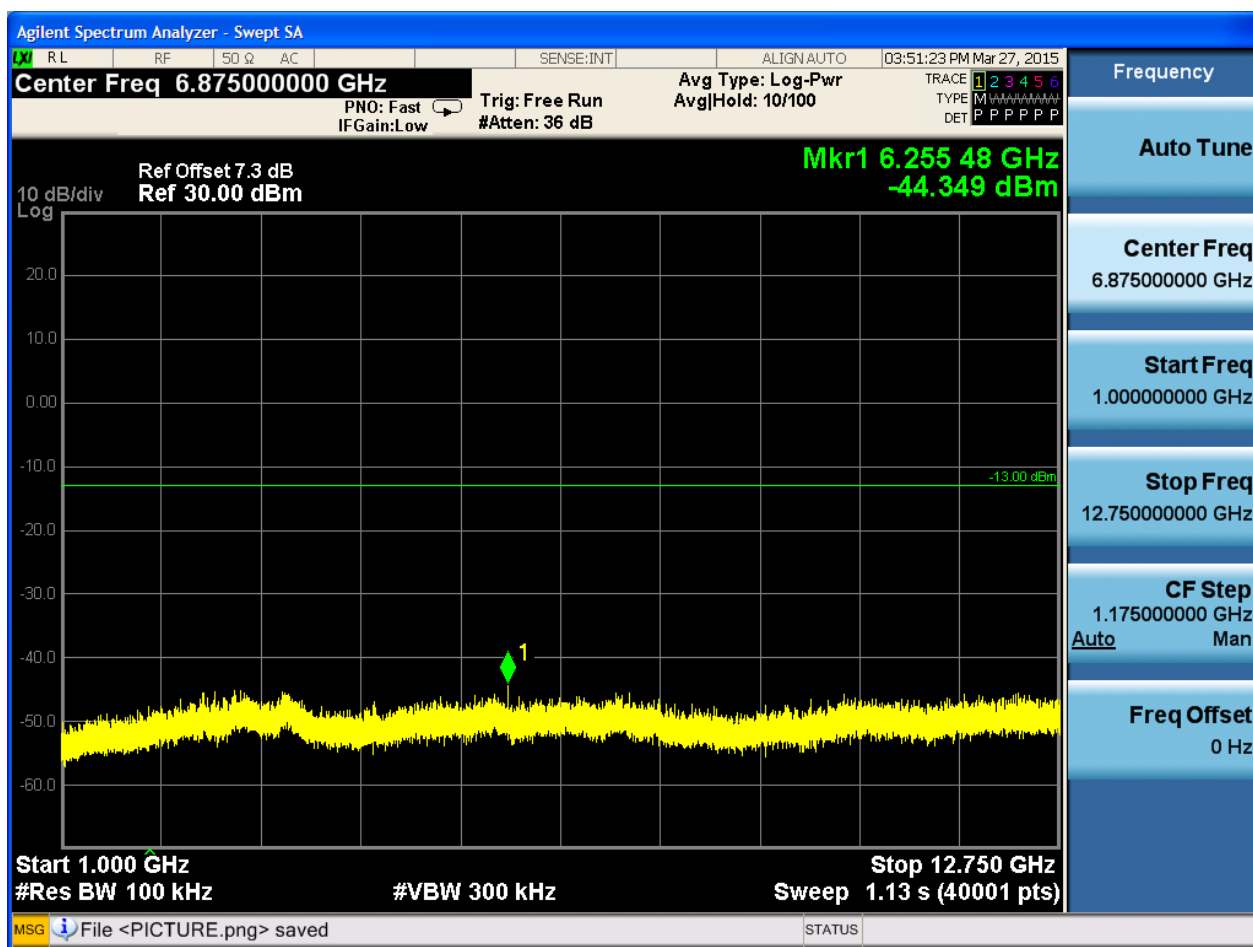


6.2.1.1.3 Test Channel = HCH









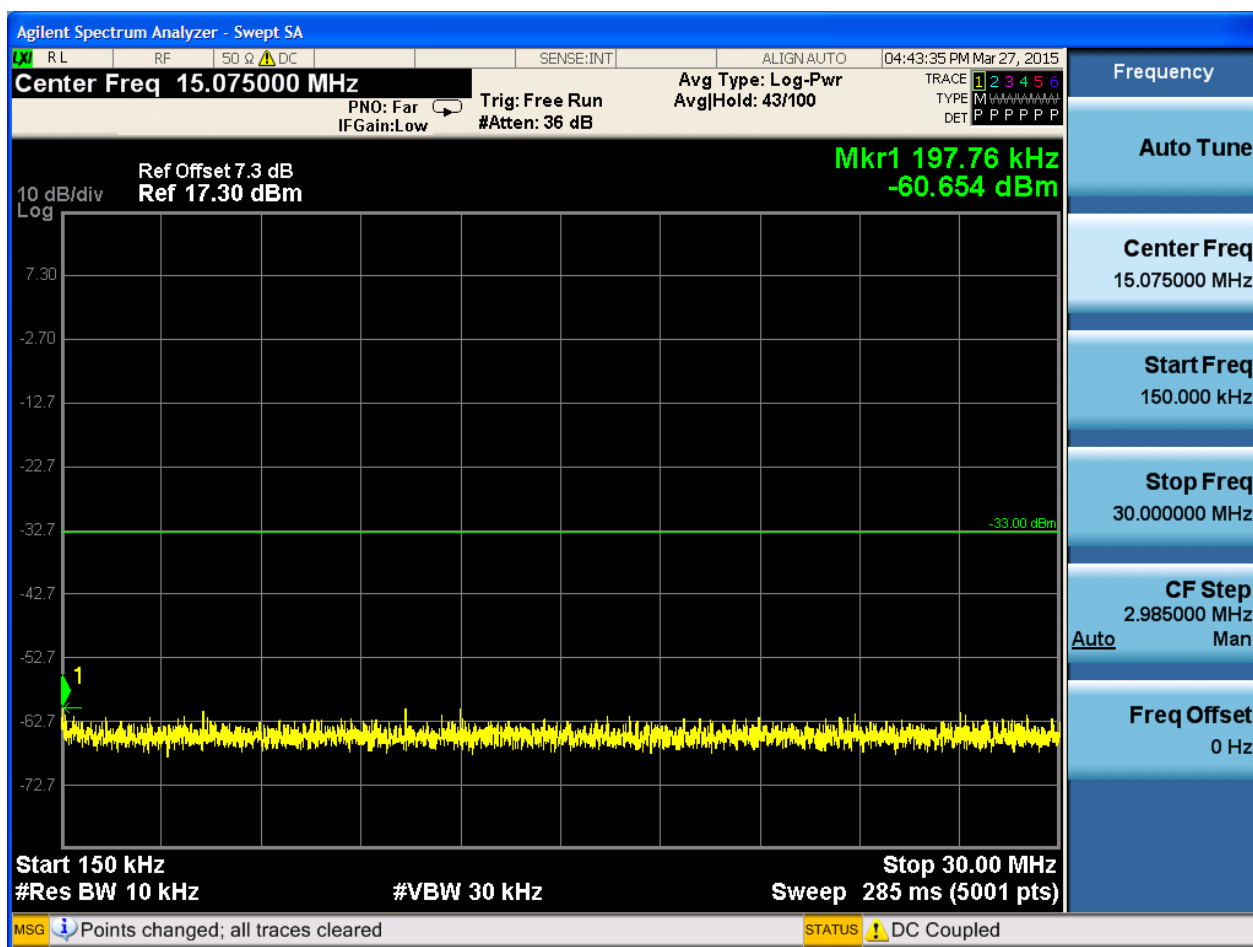


6.2.2 Test Band = WCDMA1900

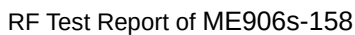
6.2.2.1 Test Mode = UMTS/TM1

6.2.2.1.1 Test Channel = LCH









Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN: AUTO 04:44:23 PM Mar 27, 2015

Start Freq 9.000 kHz Avg Type: Log-Pwr Avg|Hold: 59/100

PNO: Close Trig: Free Run IFGain: Low #Atten: 26 dB

TRACE 1 2 3 4 5 6 TYPE [M] P P P P P P DET

Ref Offset 7.3 dB Mkr1 22.536 kHz
Ref 8.30 dBm -57.464 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)

Frequency

Auto Tune

Center Freq 79.500 kHz

Start Freq 9.000 kHz

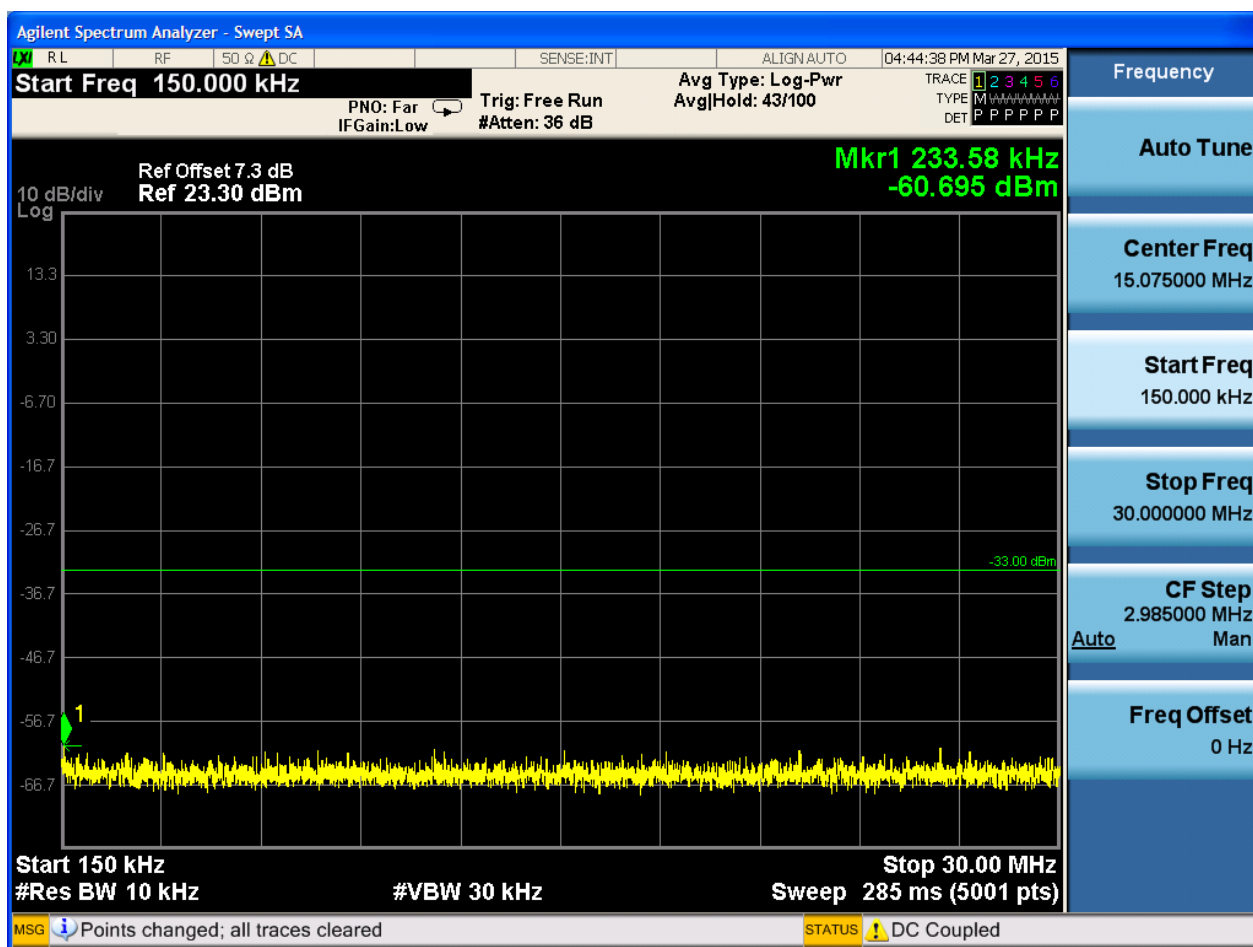
Stop Freq 150.000 kHz

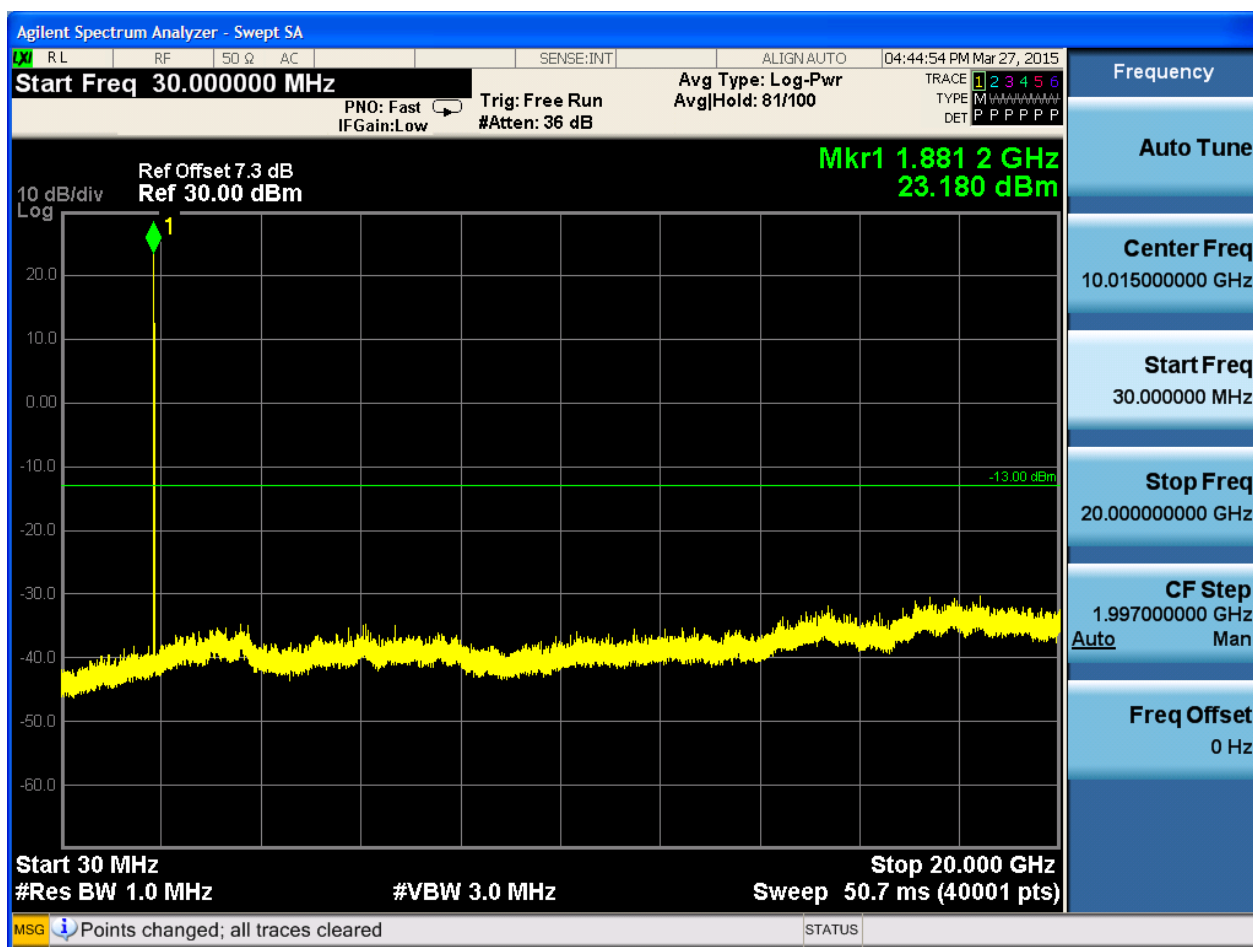
CF Step 14.100 kHz Man

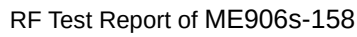
Auto

Freq Offset 0 Hz

MSG STATUS DC Coupled







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 TRACE 1 2 3 4 5 6
PNO: Close Trig: Free Run Avg|Hold: 83/100 TYPE M M M M M M M M
IFGain: Low #Atten: 20 dB DET P 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

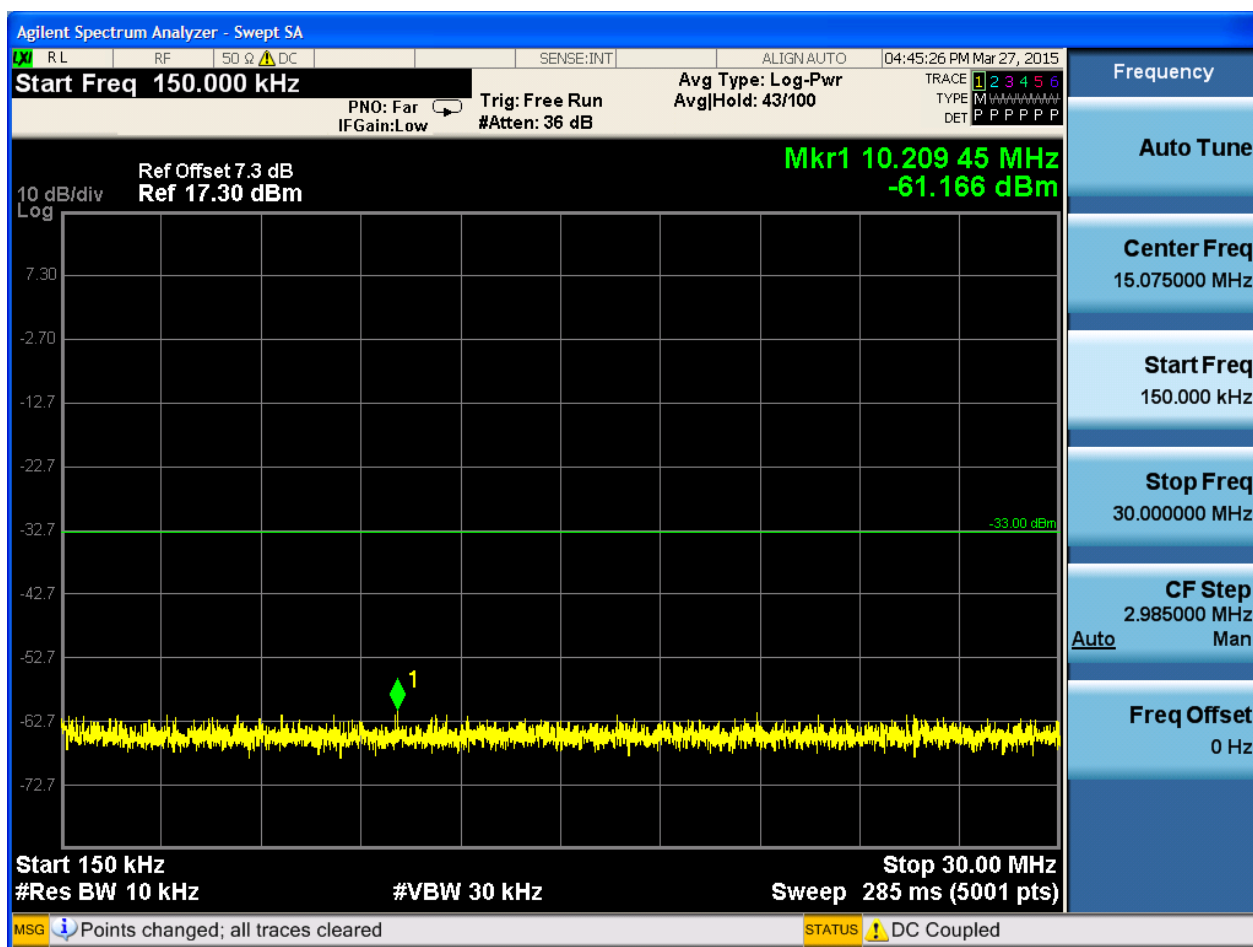
Start Freq
9.000 kHz

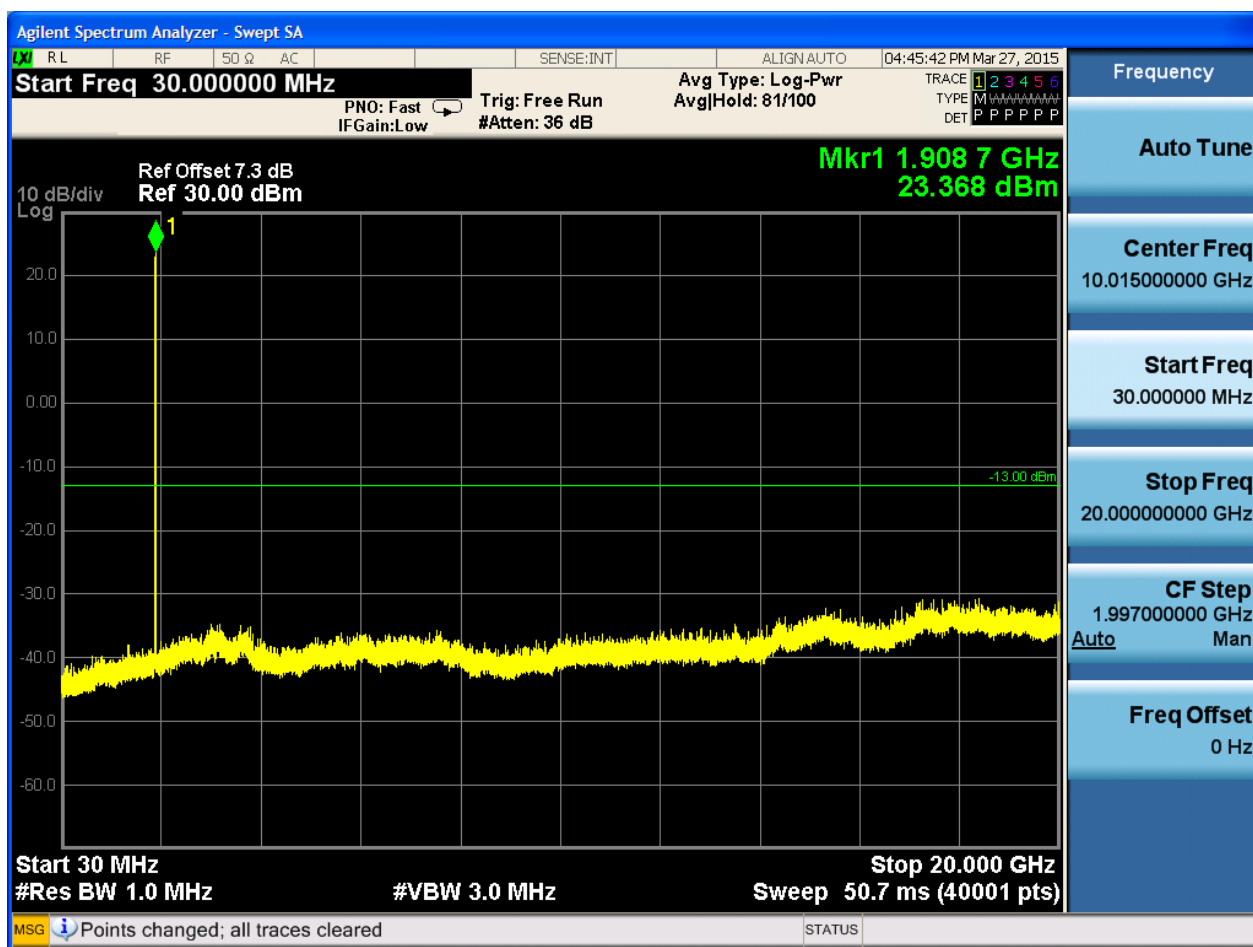
Stop Freq
150.000 kHz

CF Step
14.100 kHz
Man

Auto

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

