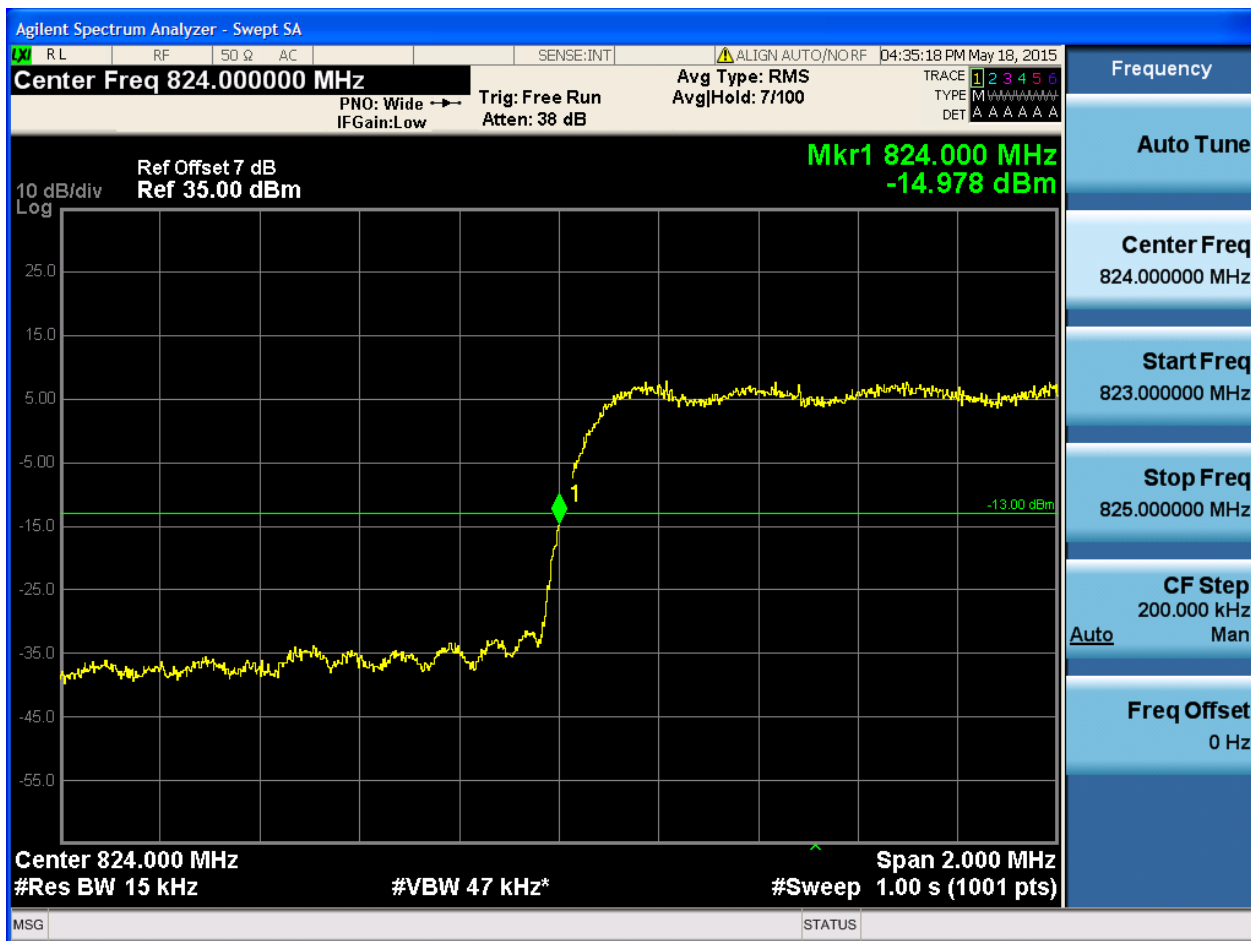




5.1.1.3 Test Mode = CDMA/EV-DO/Subtype0

5.1.1.3.1 Test Channel = LCH





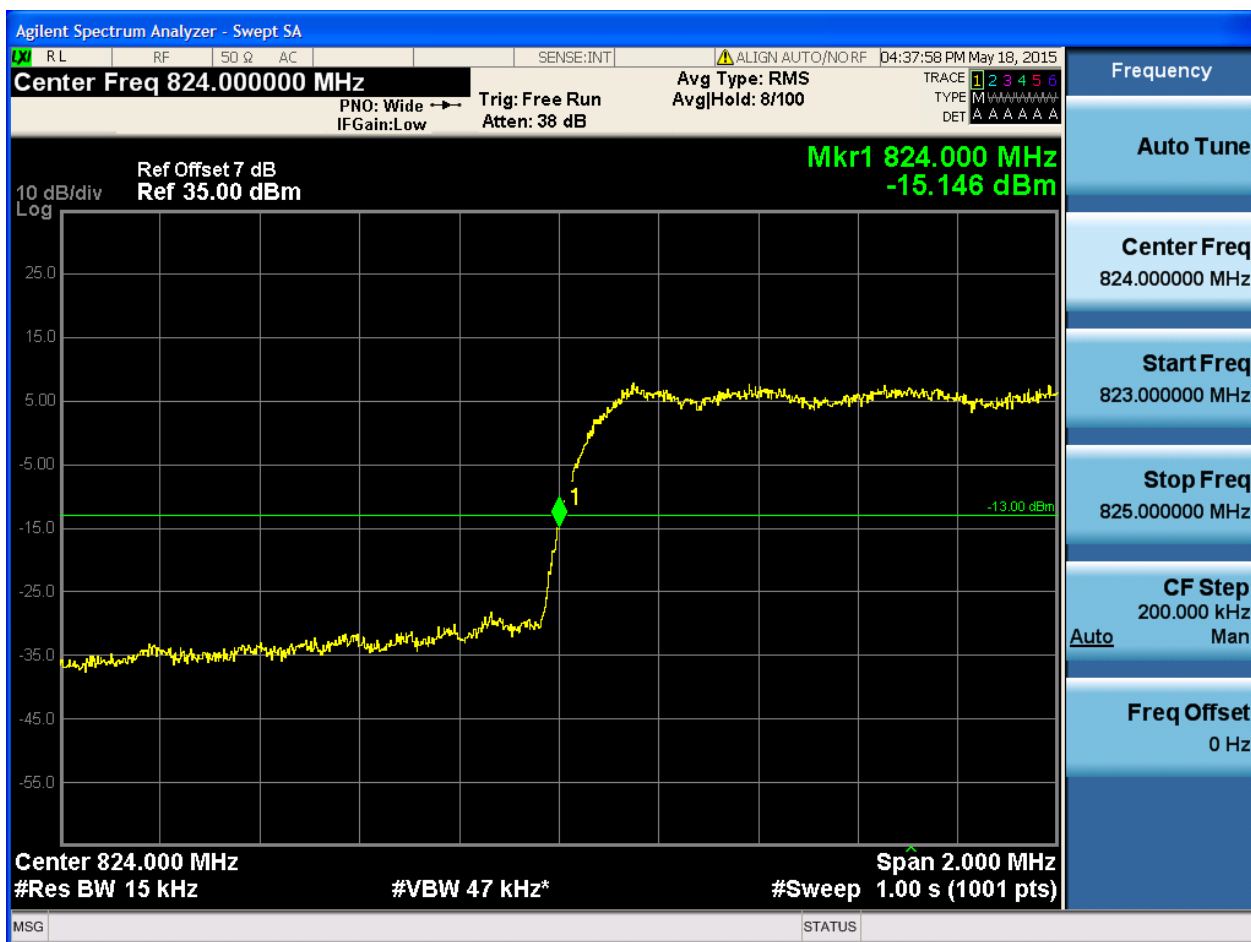
5.1.1.3.2 Test Channel = HCH

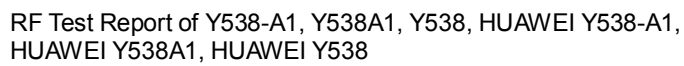




5.1.1.4 Test Mode = CDMA/EV-DO/Subtype2/256

5.1.1.4.1 Test Channel = LCH





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 35.00 dBm

10 dB/div
Log

Mkr1 849.010 MHz
-14.467 dBm

Center 849.000 MHz
#Res BW 15 kHz
#VBW 47 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq 849.000000 MHz

Start Freq 848.000000 MHz

Stop Freq 850.000000 MHz

CF Step 200.000 kHz
Man

Freq Offset 0 Hz

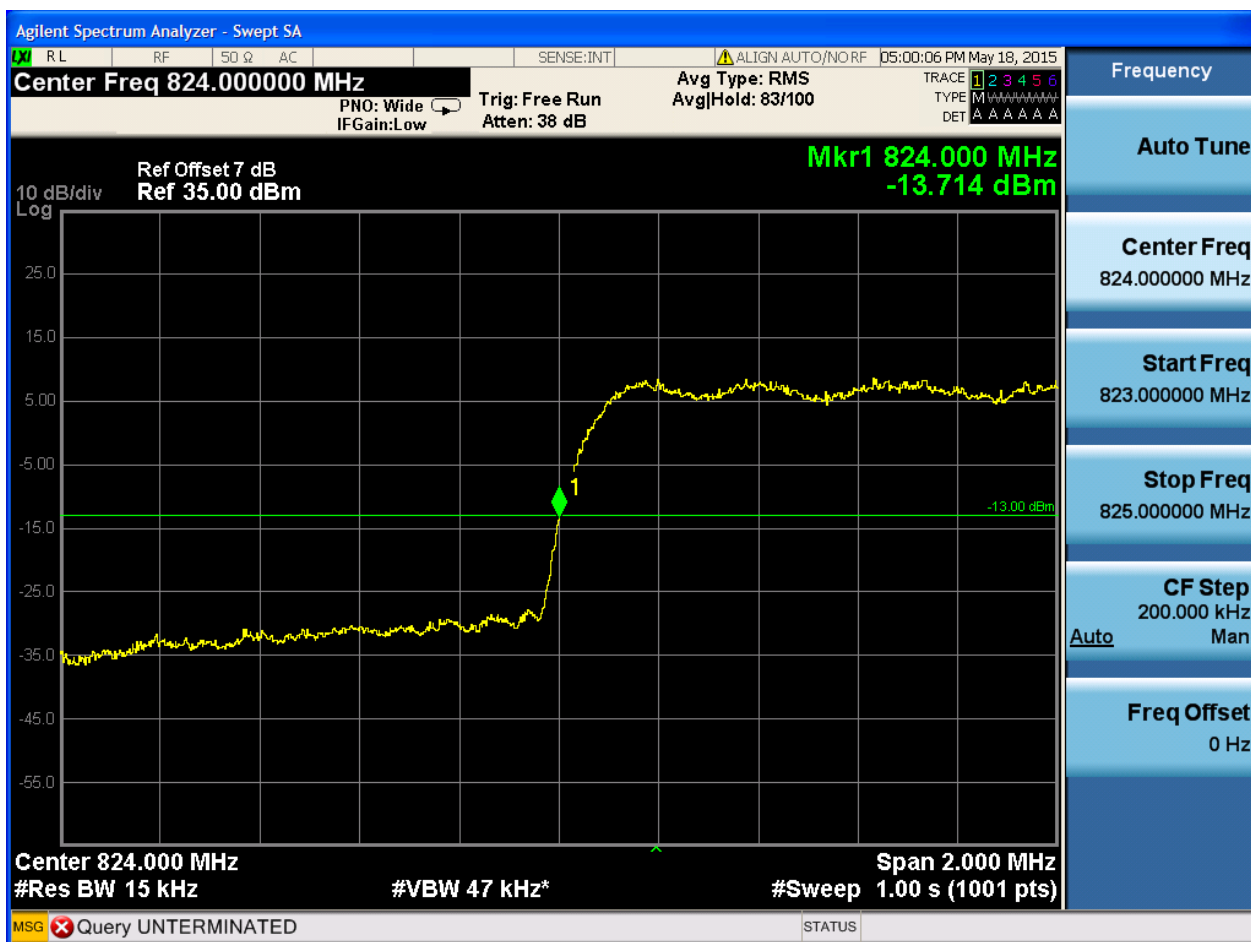
MSG File <PICTURE.png> saved

STATUS



5.1.1.5 Test Mode = CDMA/EV-DO/Subtype2/4096

5.1.1.5.1 Test Channel = LCH





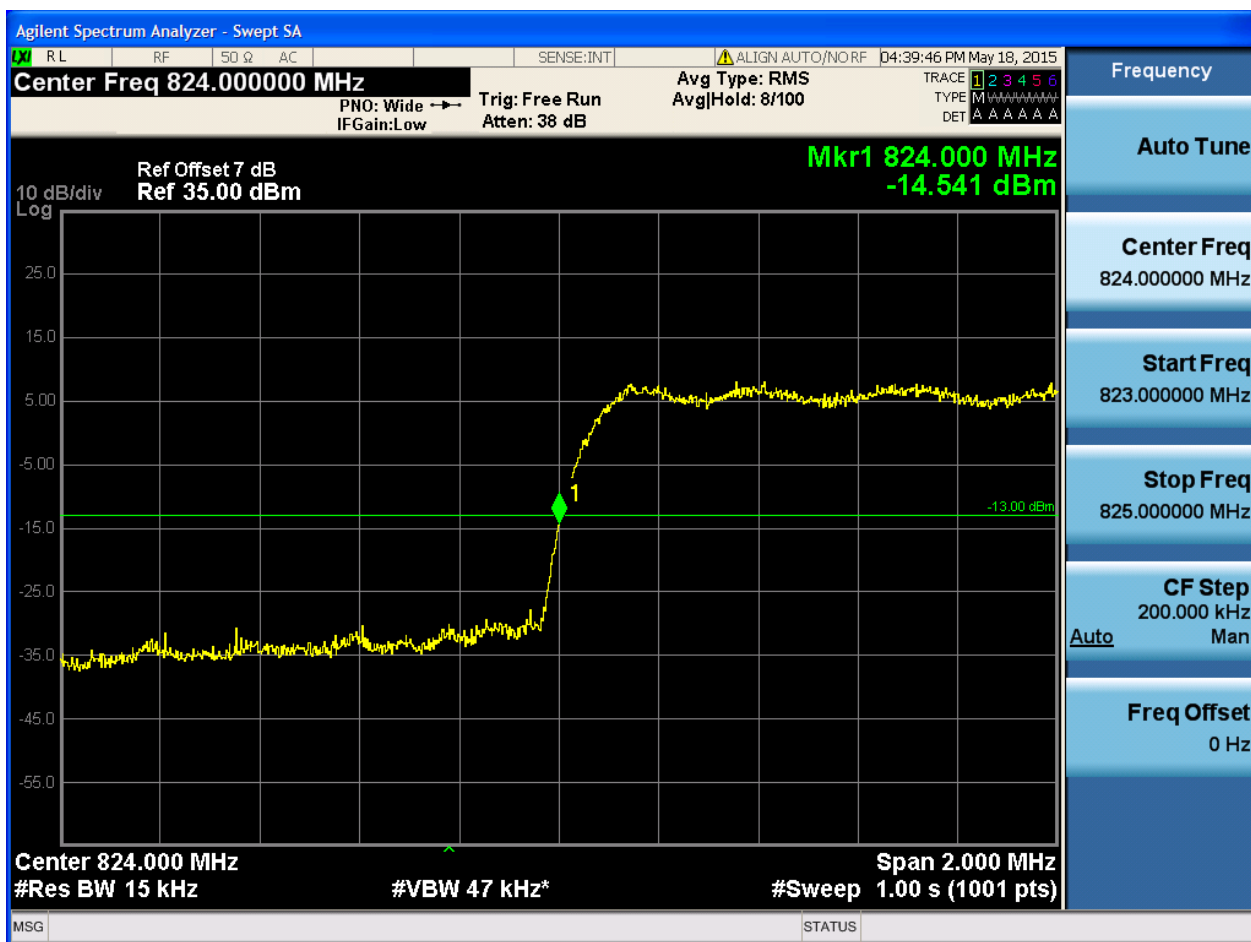
5.1.1.5.2 Test Channel = HCH

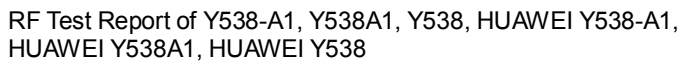




5.1.1.6 Test Mode = CDMA/EV-DO/Subtype2/12288

5.1.1.6.1 Test Channel = LCH





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7 dB
Ref 35.00 dBm

10 dB/div
Log

Mkr1 849.010 MHz
-14.770 dBm

Center 849.000 MHz
#Res BW 15 kHz
#VBW 47 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz



5.1.2 Test Band = BC1

5.1.2.1 Test Mode = CDMA/1X/TM1

5.1.2.1.1 Test Channel = LCH





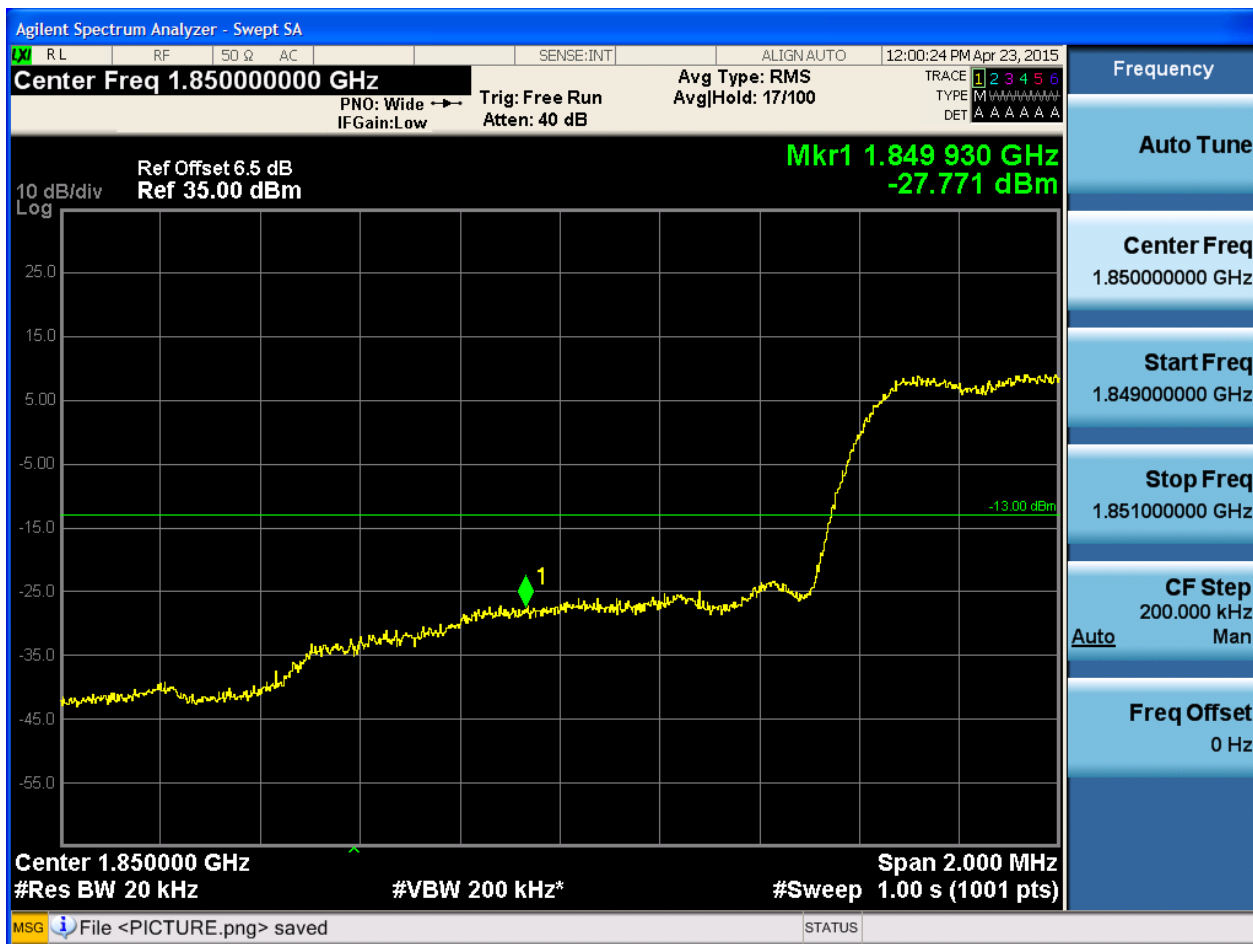
5.1.2.1.2 Test Channel = HCH





5.1.2.2 Test Mode = CDMA/1X/TM3

5.1.2.2.1 Test Channel = LCH





5.1.2.2.2 Test Channel = HCH





5.1.2.3 Test Mode = CDMA/EV-DO/Subtype0

5.1.2.3.1 Test Channel = LCH





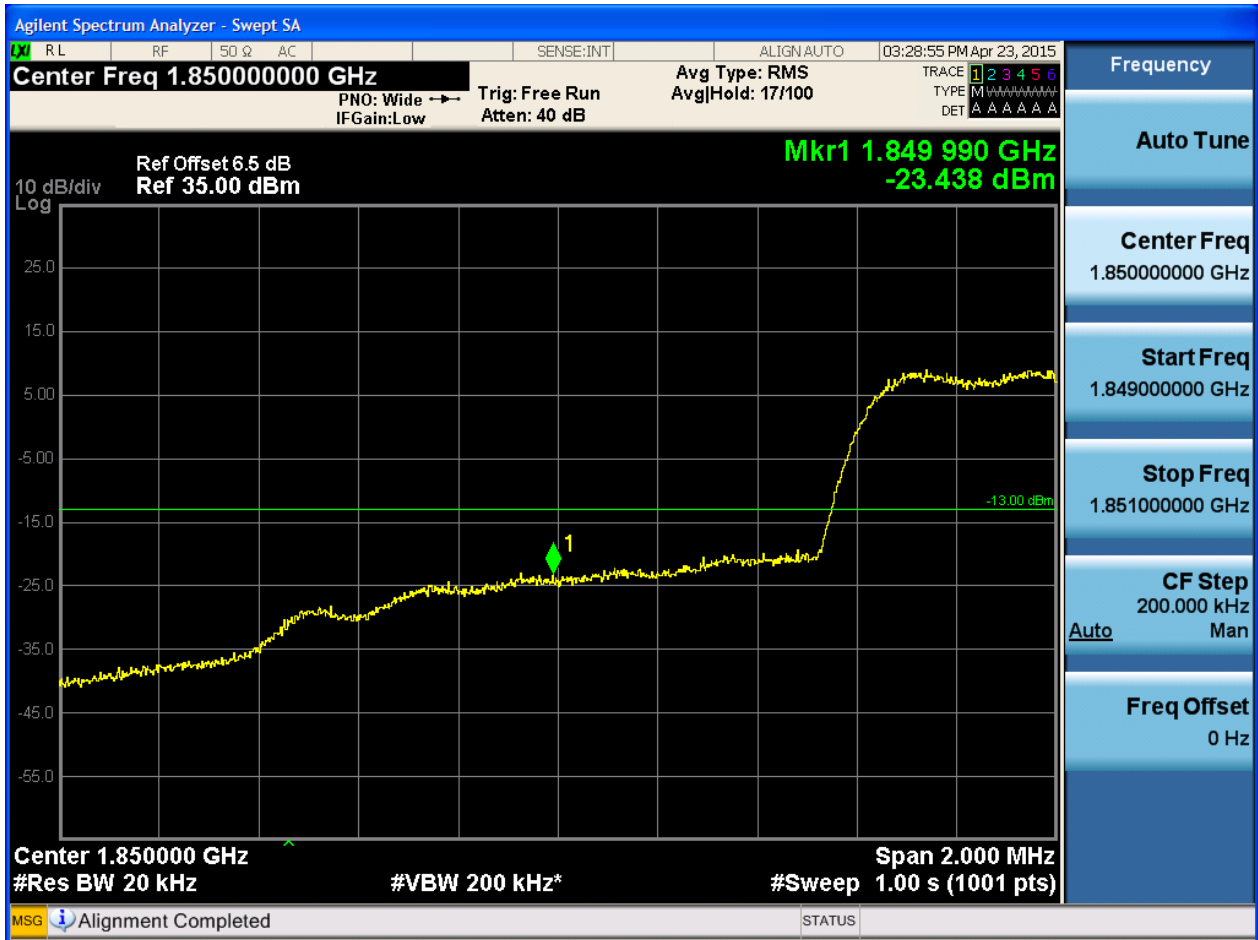
5.1.2.3.1 Test Channel = HCH





5.1.2.4 Test Mode = CDMA/EV-DO/Subtype2/256

5.1.2.4.1 Test Channel = LCH





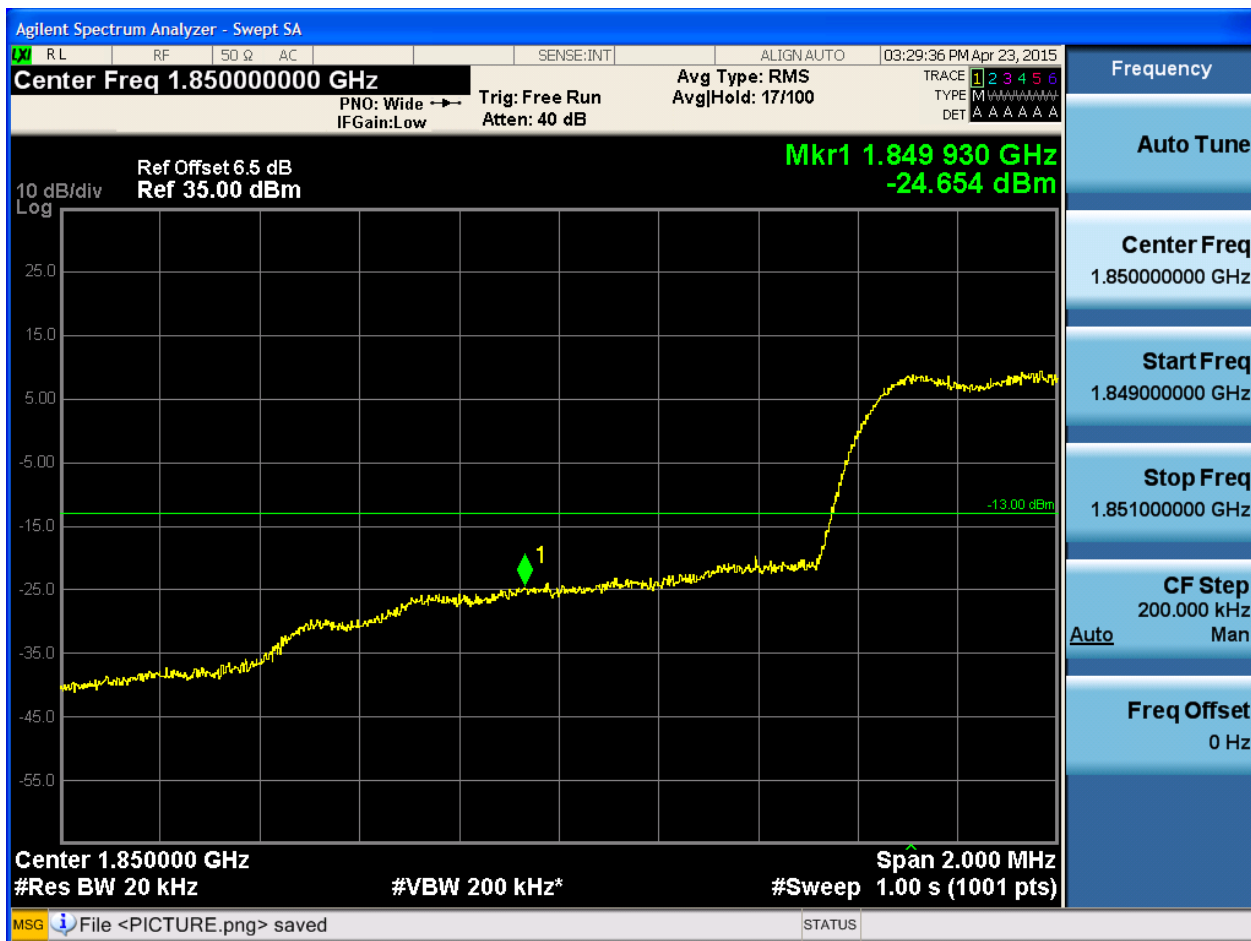
5.1.2.4.1 Test Channel = HCH





5.1.2.5 Test Mode = CDMA/EV-DO/Subtype2/4096

5.1.2.5.1 Test Channel = LCH





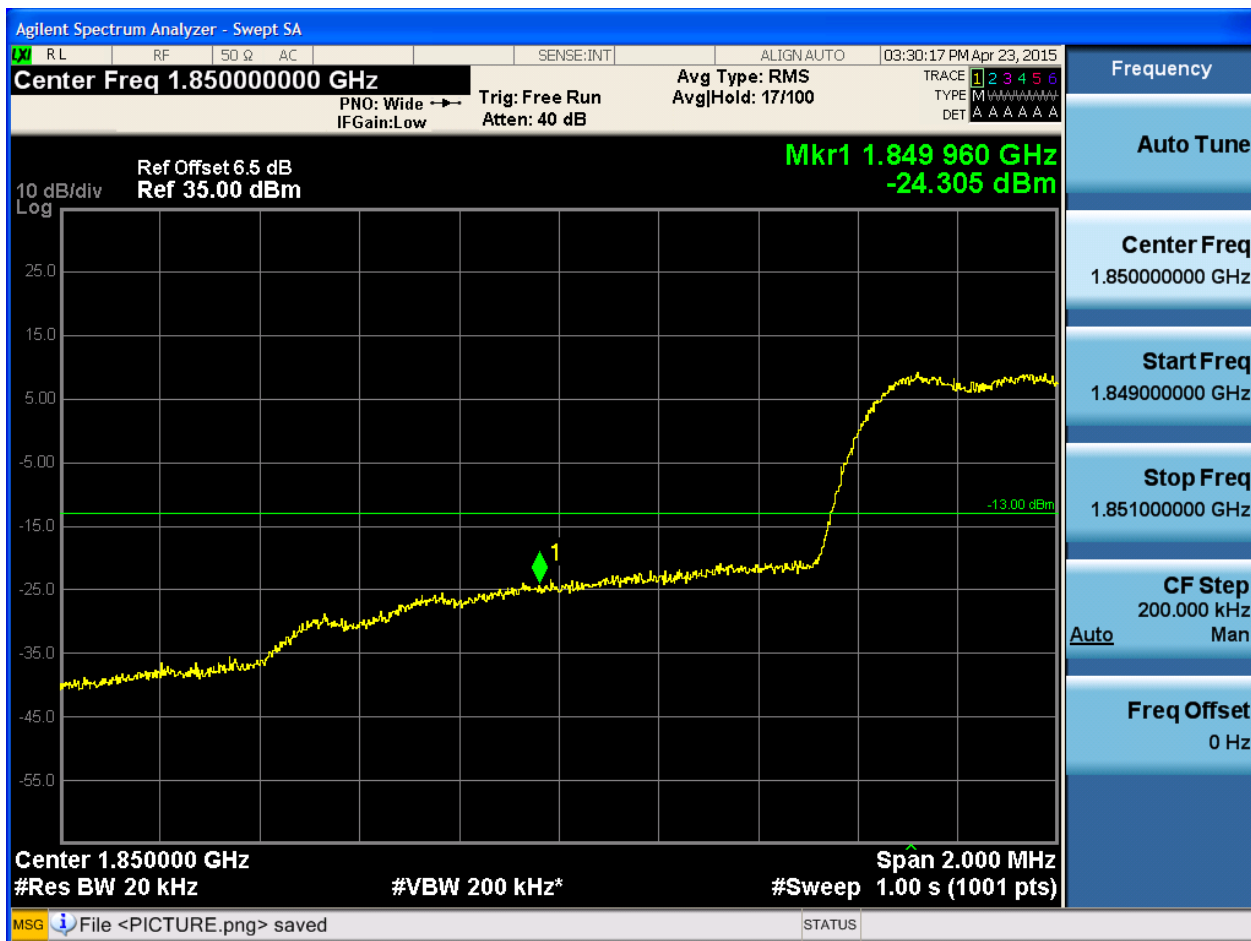
5.1.2.5.1 Test Channel = HCH





5.1.2.6 Test Mode = CDMA/EV-DO/Subtype2/12288

5.1.2.6.1 Test Channel = LCH





5.1.2.6.1 Test Channel = HCH



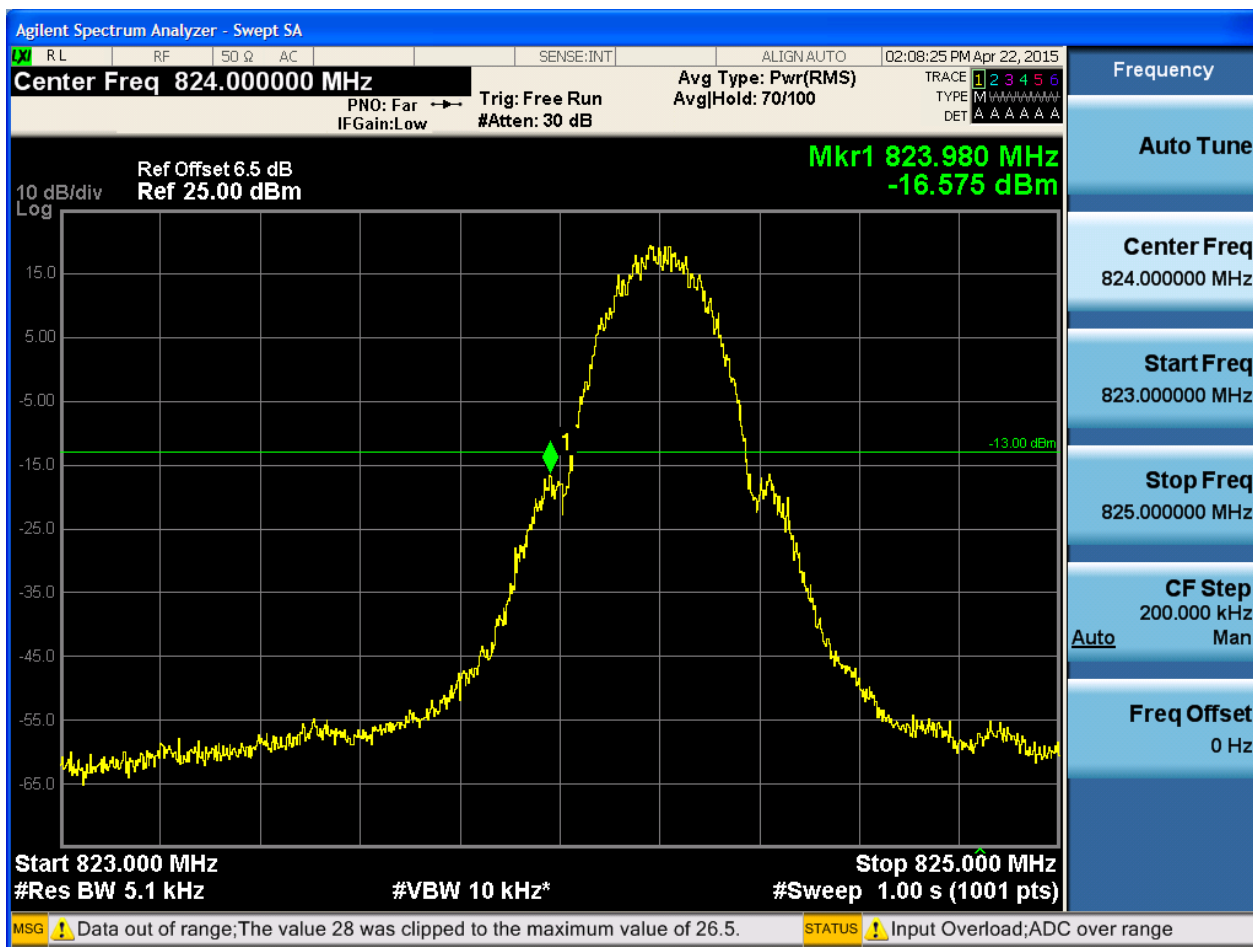


5.2 For GSM

5.2.1 Test Band = GSM850

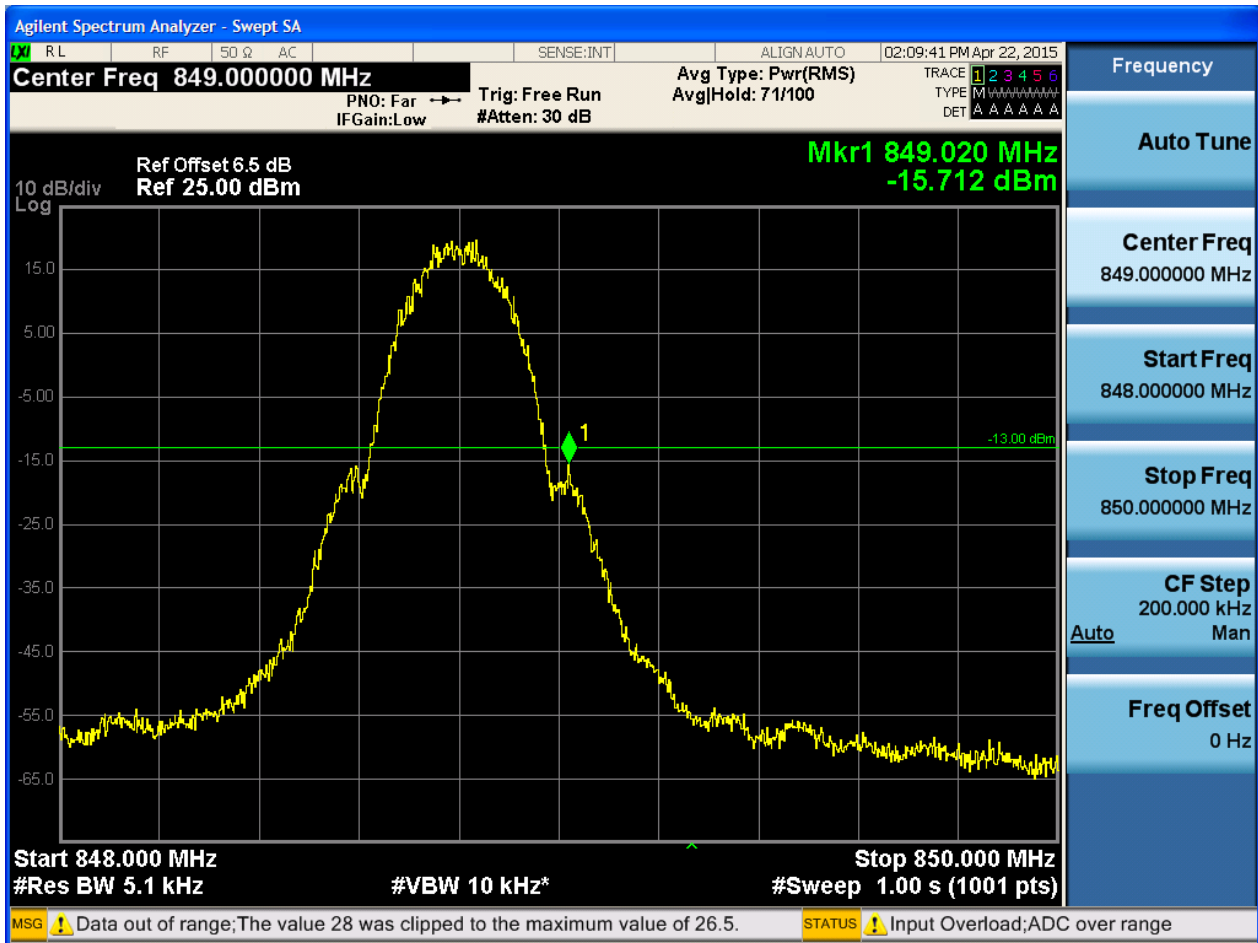
5.2.1.1 Test Mode = GSM/TM1

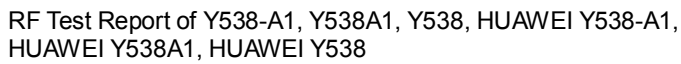
5.2.1.1.1 Test Channel = LCH

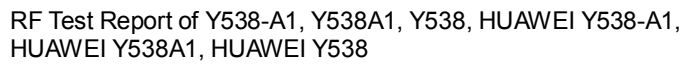




5.2.1.1.2 Test Channel = HCH







Agilent Spectrum Analyzer - Swept SA

[X] R L	RF	50 Ω AC	SENSE:INT	ALIGN:AUTO	02:20:43 PM Apr 22, 2015
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Center Freq 849.000000 MHz Avg Type: Pwr(RMS) TRACE 1 2 3 4 5 6
 PNO: Far → Trig: Free Run Avg|Hold: 71/100
 IFGain:Low #Atten: 30 dB TYPE M W W W W W W W
 DET A A A A A A

Ref Offset 6.5 dB **Mkr1 849.030 MHz**
 Ref 26.50 dBm **-24.057 dBm**

Start 848.000 MHz Stop 850.000 MHz
 #Res BW 5.1 kHz #VBW 10 kHz* #Sweep 1.00 s (1001 pts)

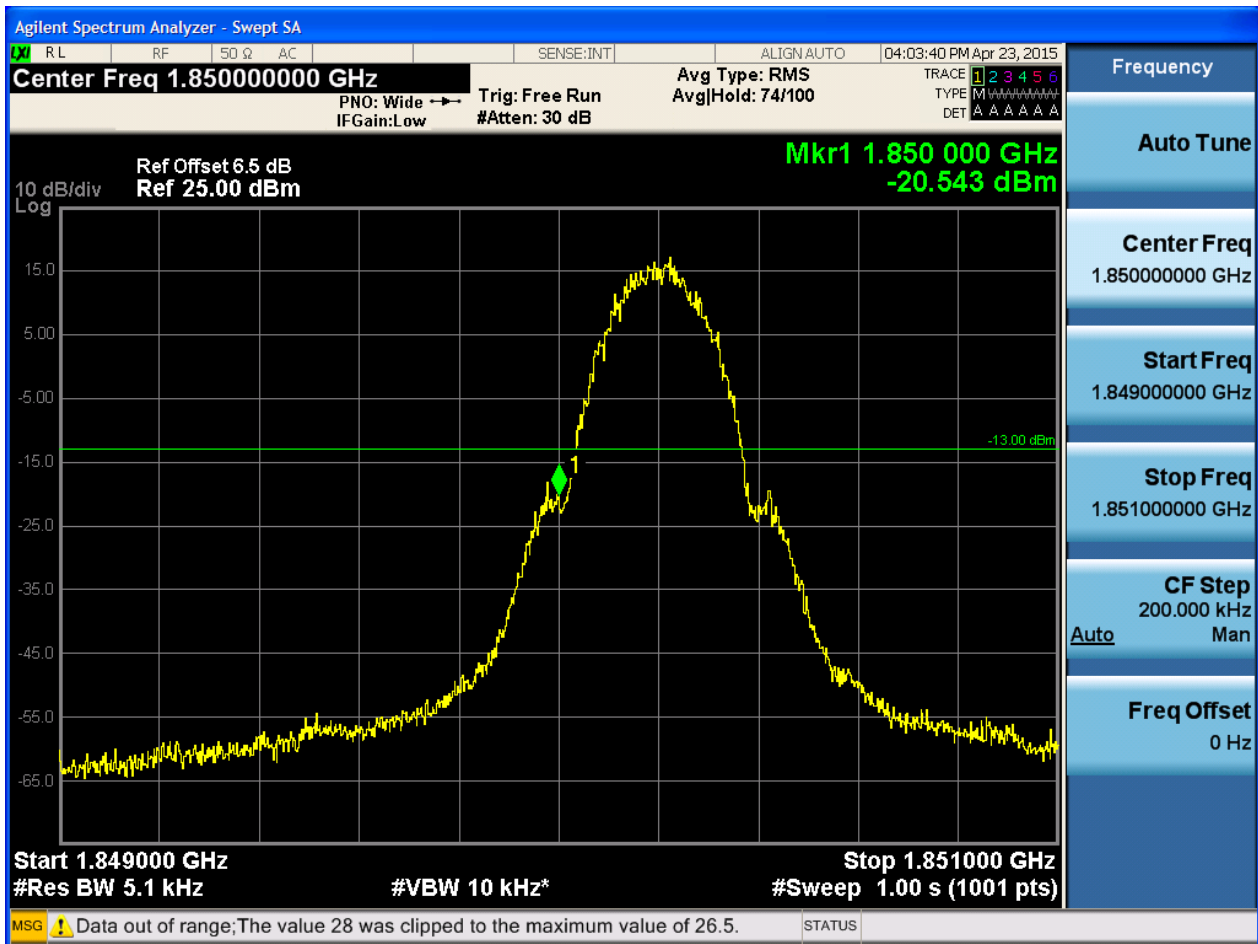
MSG File <PICTURE.png> saved STATUS



5.2.2 Test Band = GSM1900

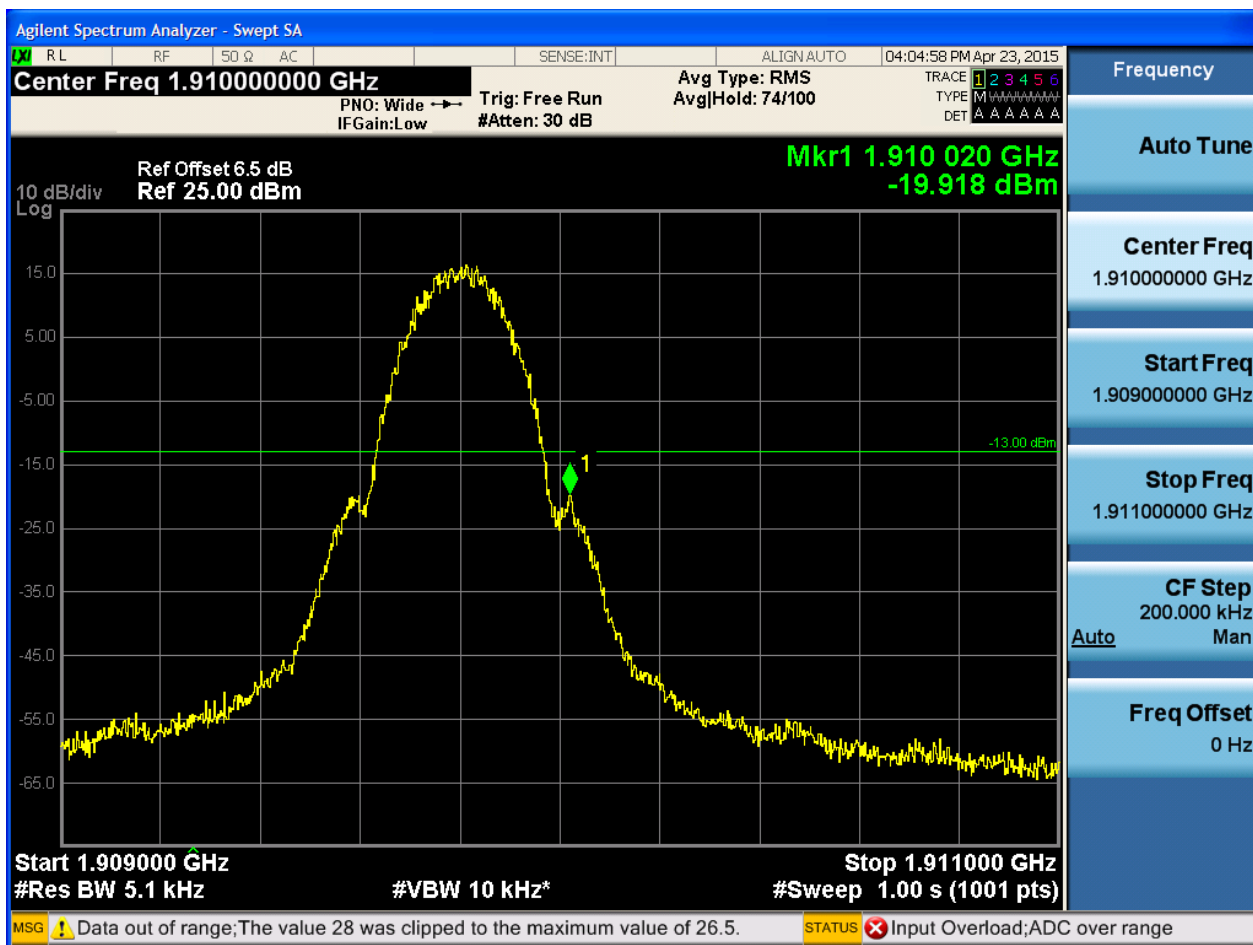
5.2.2.1 Test Mode = GSM/TM1

5.2.2.1.1 Test Channel = LCH





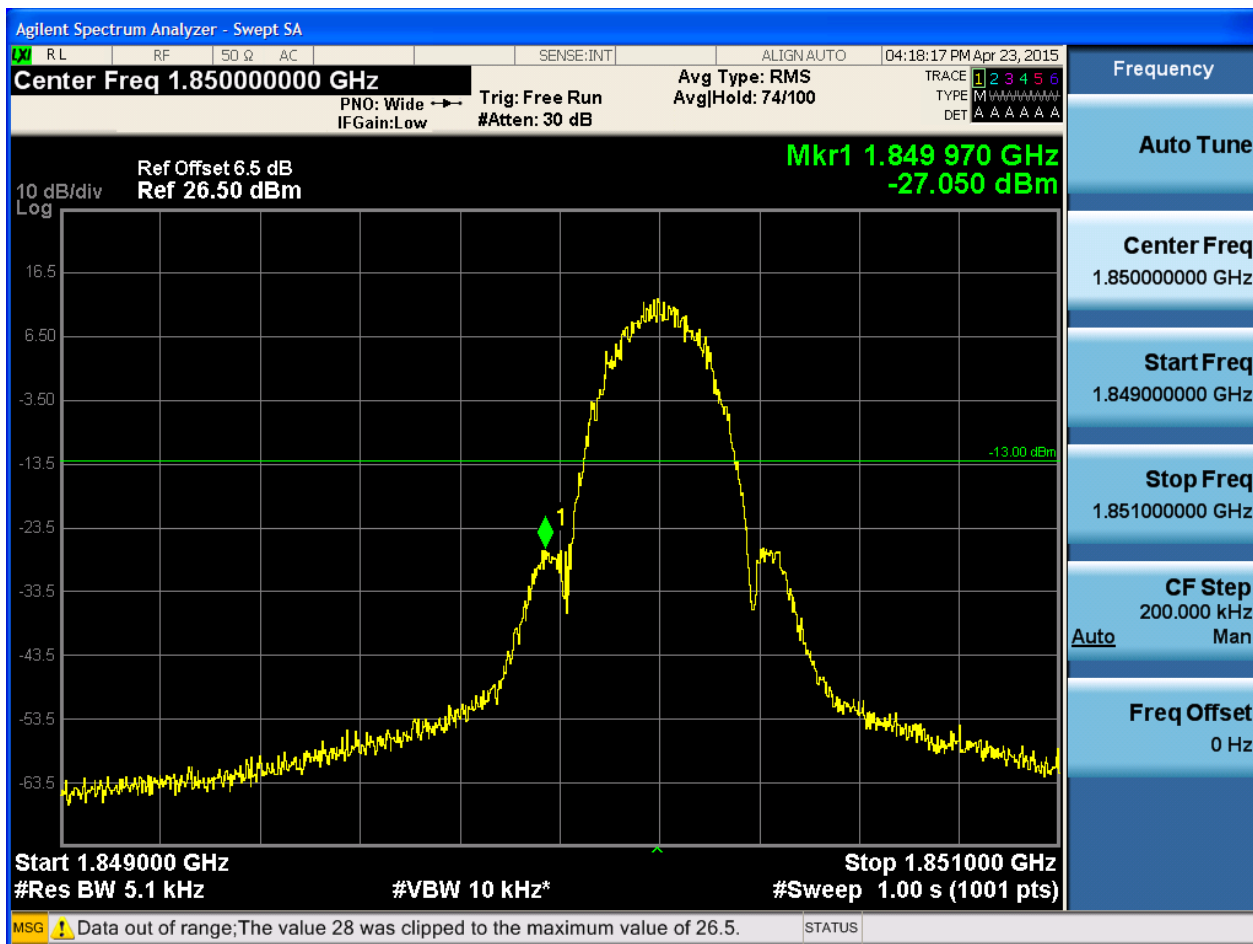
5.2.2.1.2 Test Channel = HCH





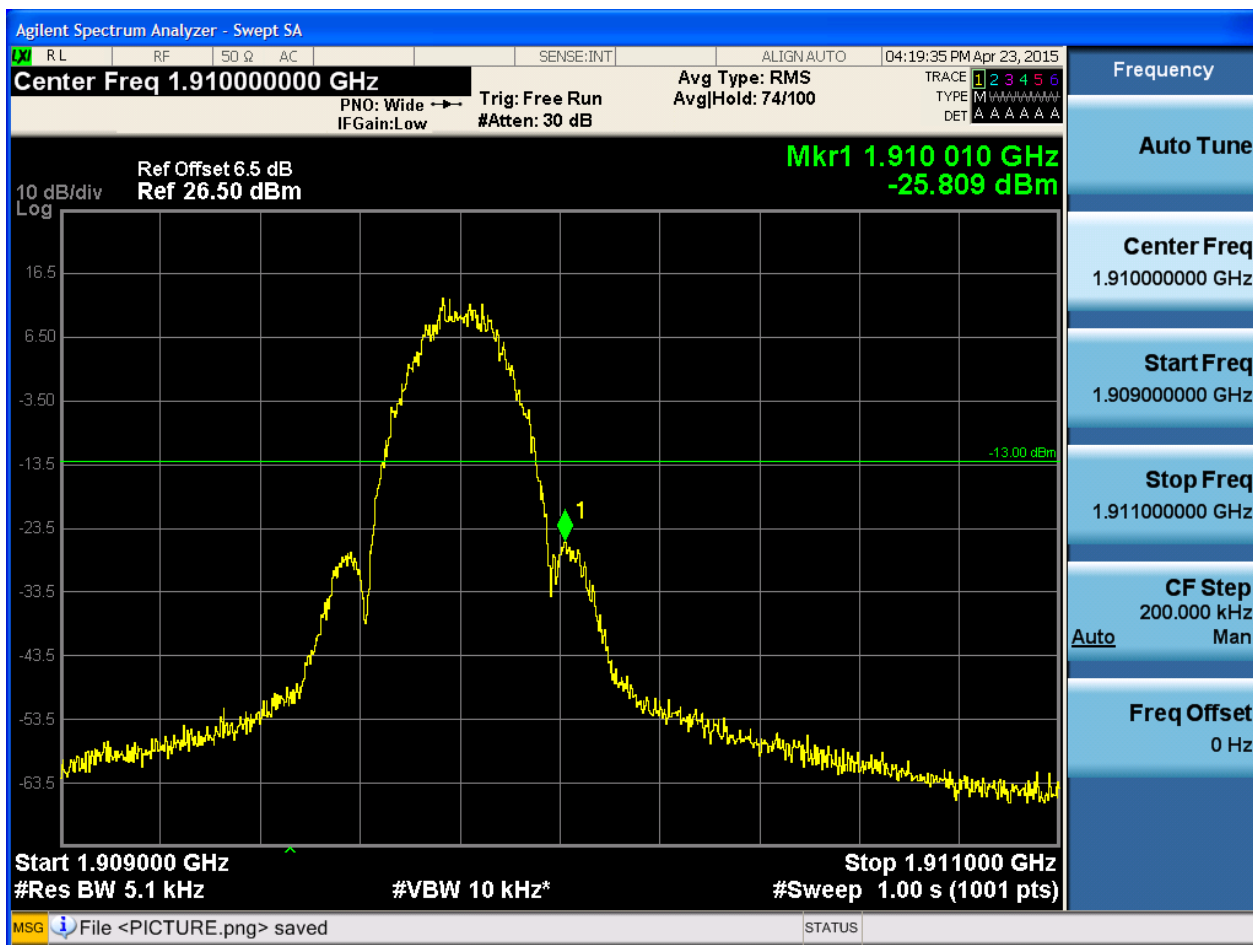
5.2.2.2 Test Mode = GSM/TM2

5.2.2.2.1 Test Channel = LCH





5.2.2.2.2 Test Channel = HCH





5.3 For UMTS

5.3.1 Test Band = WCDMA850

5.3.1.1 Test Mode = UMTS/TM1

5.3.1.1.1 Test Channel = LCH





5.3.1.1.2 Test Channel = HCH





5.3.2 Test Band = WCDMA1900

5.3.2.1 Test Mode = UMTS/TM1

5.3.2.1.1 Test Channel = LCH





5.3.2.1.2 Test Channel = HCH





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.

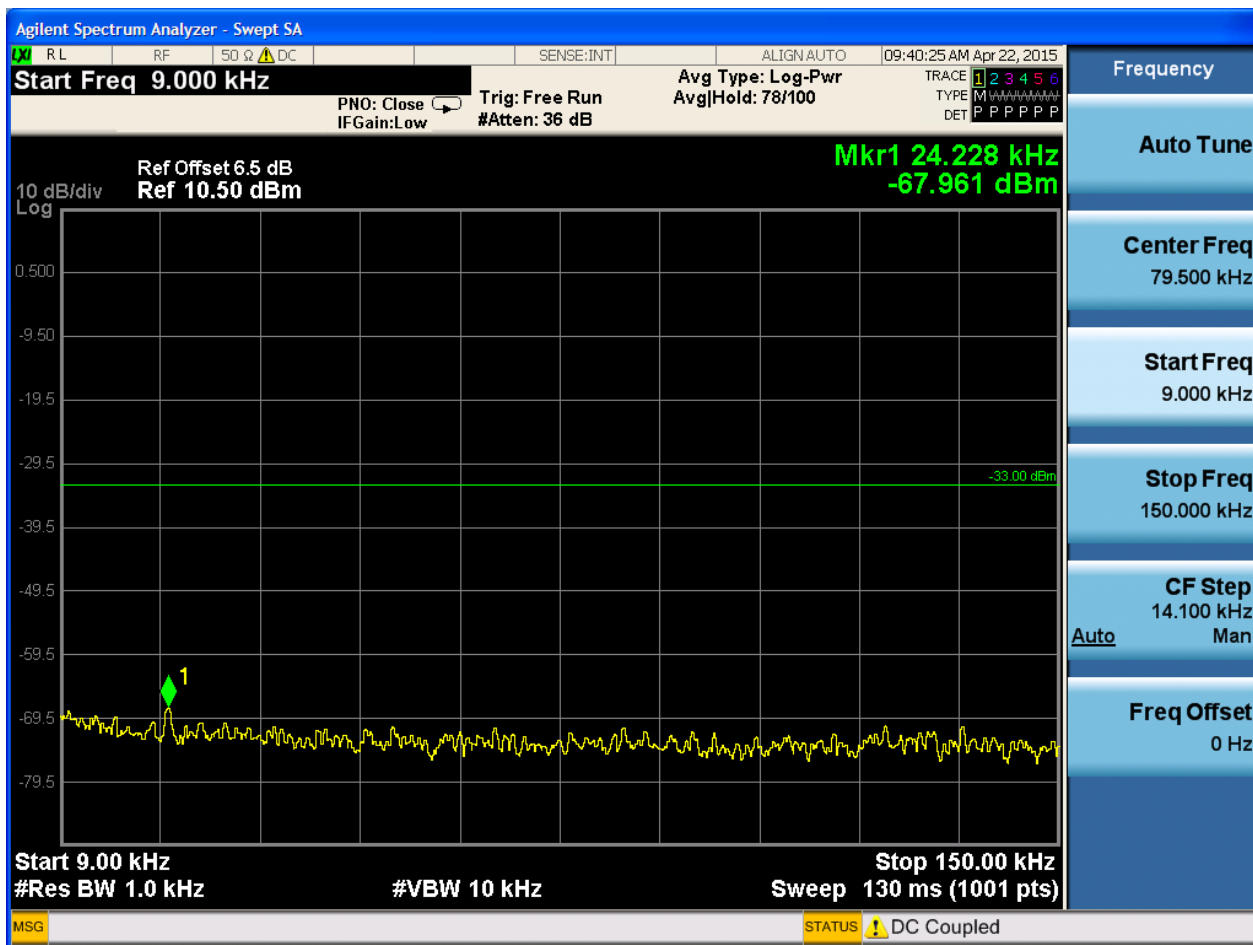
Part I - Test Plots

6.1 For CDMA/1X

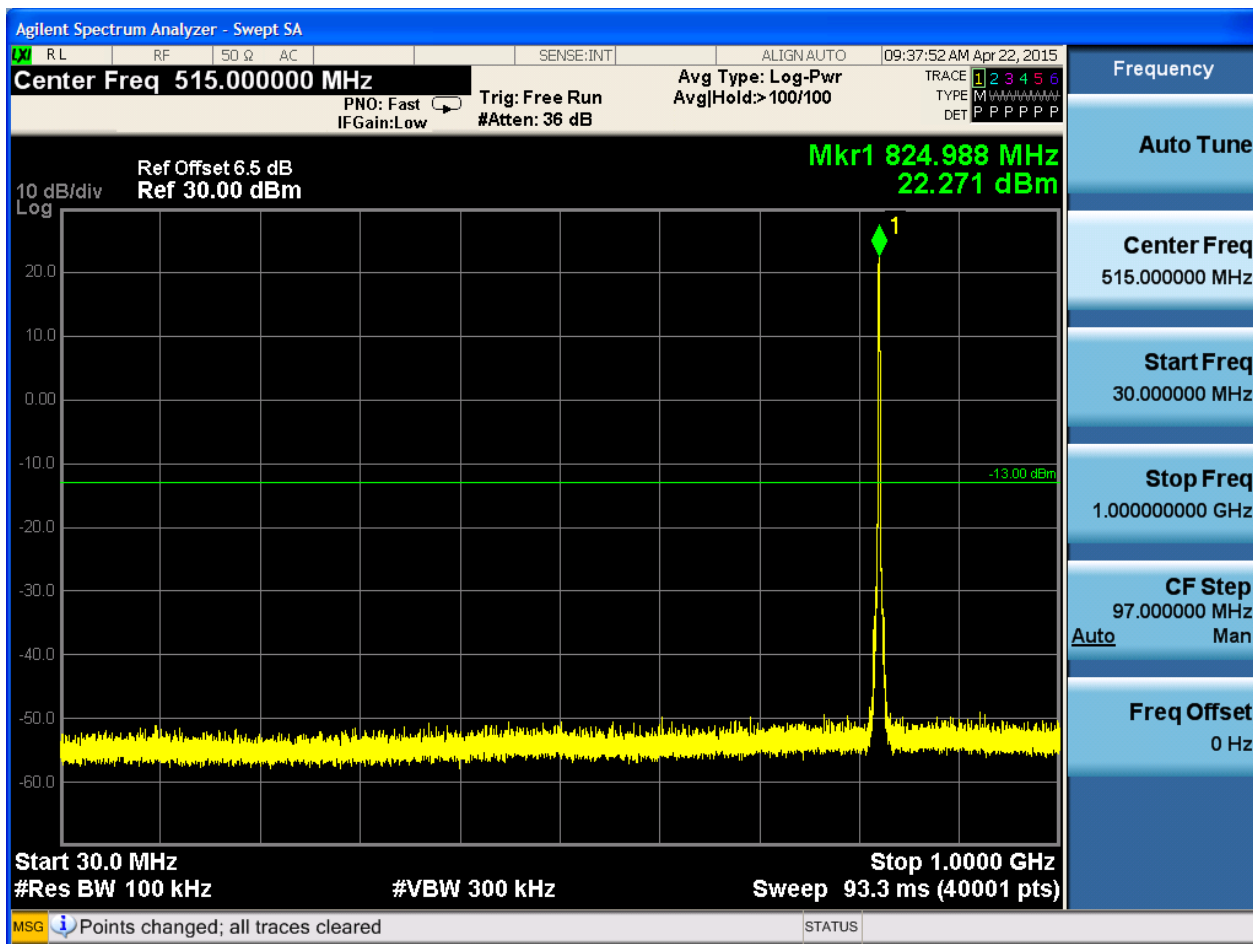
6.1.1 Test Band = BC0

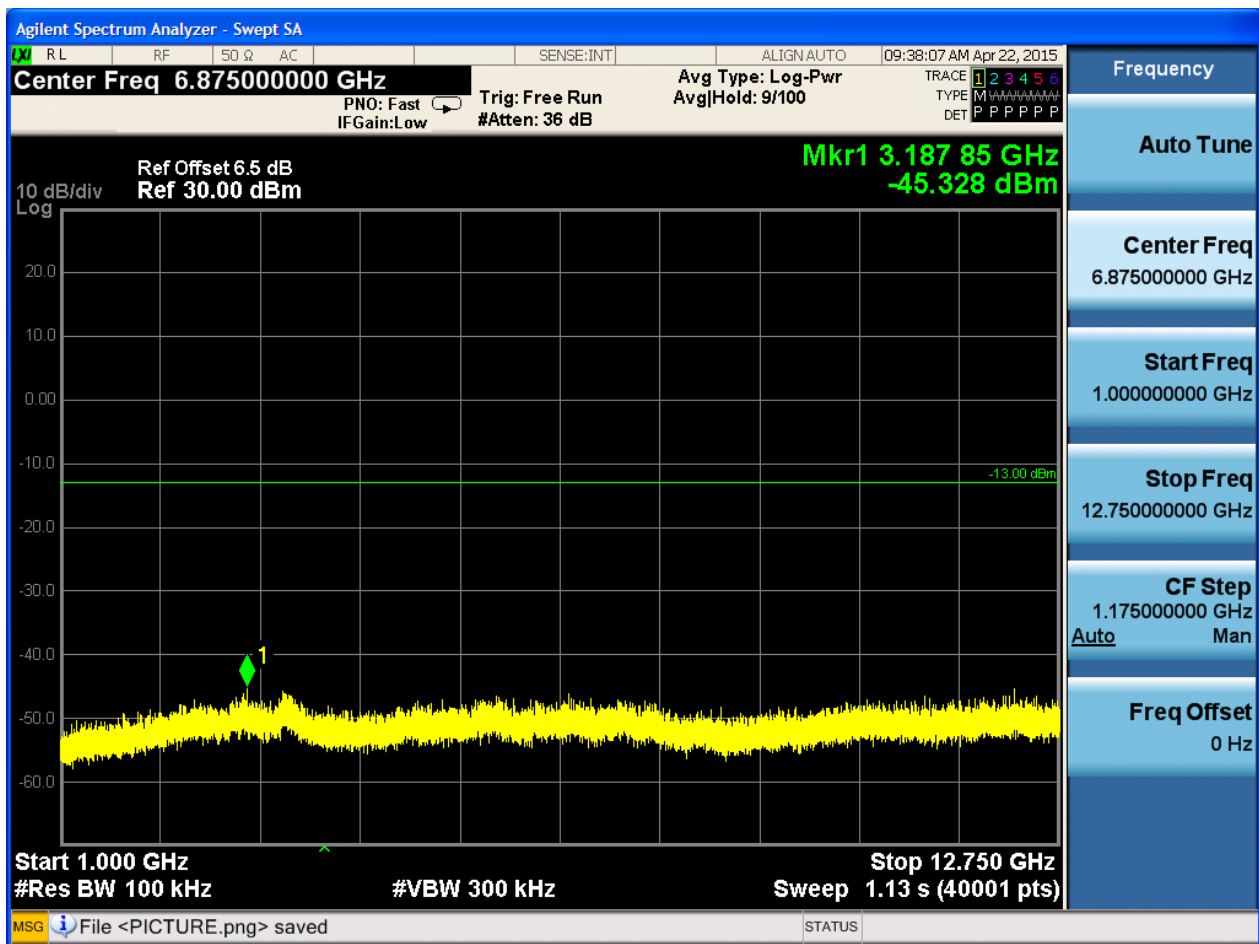
6.1.1.1 Test Mode = CDMA/1X/TM1

6.1.1.1.1 Test Channel = LCH



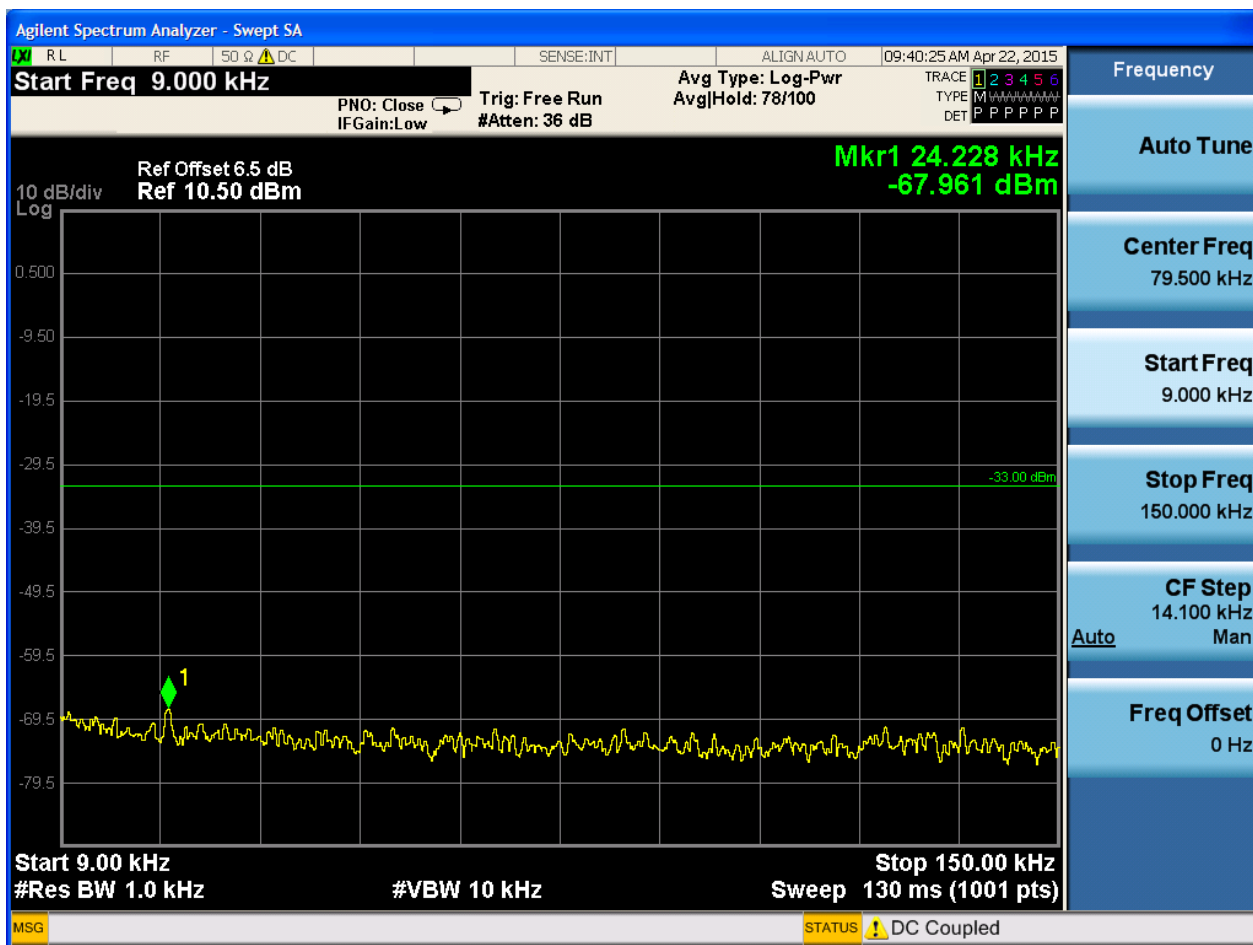


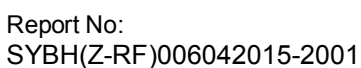
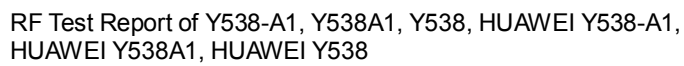


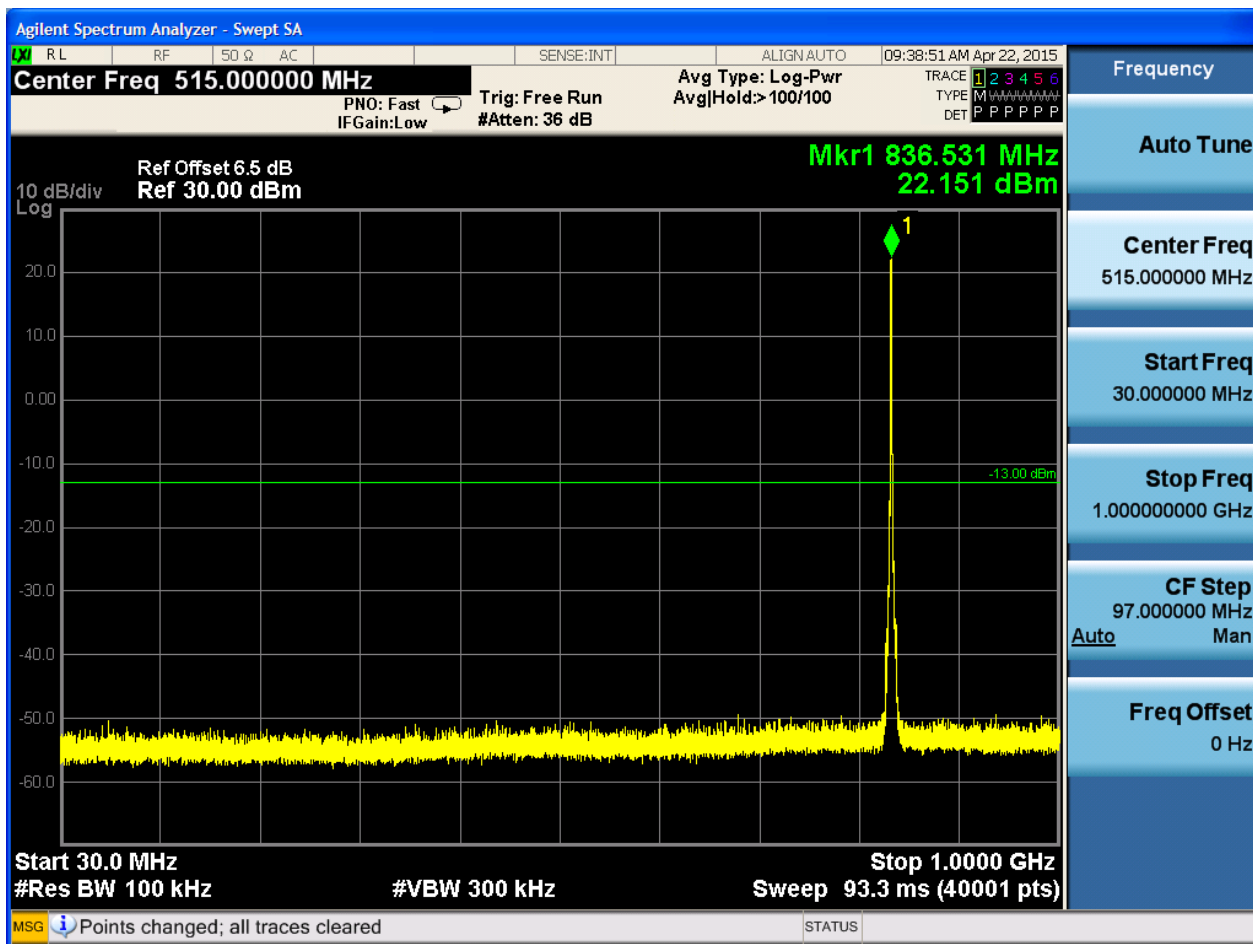


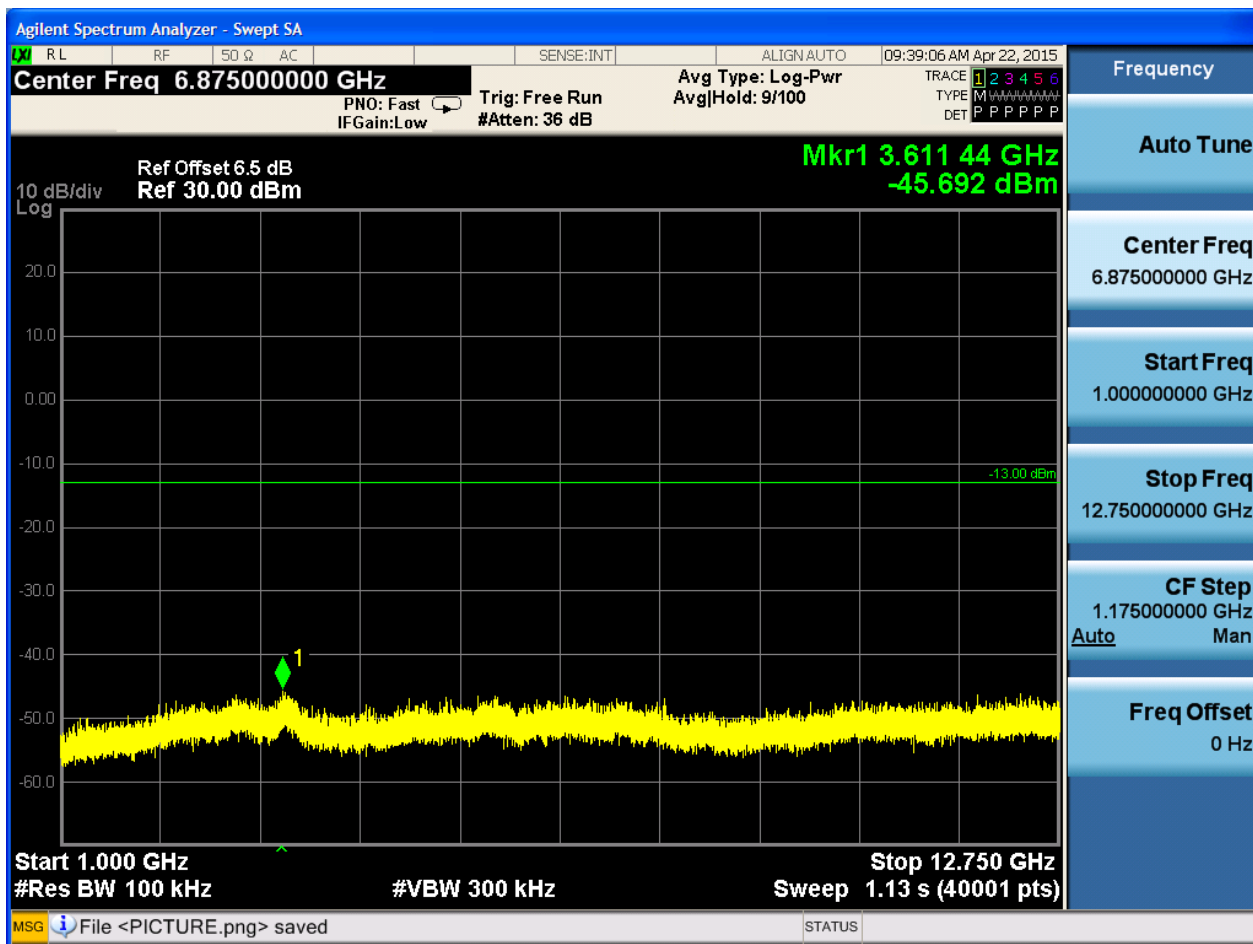


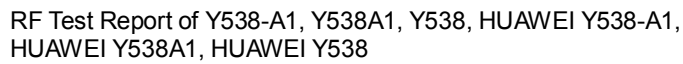
6.1.1.1.2 Test Channel = MCH











Agilent Spectrum Analyzer - Swept SA

Start Freq 9.000 kHz Avg Type: Log-Pwr TR1: 2 3 4 5 6
#Res BW 1.0 kHz Avg|Hold: 85/100 TYPE M W W W W W W W
#VBW 10 kHz DET P P P P P P

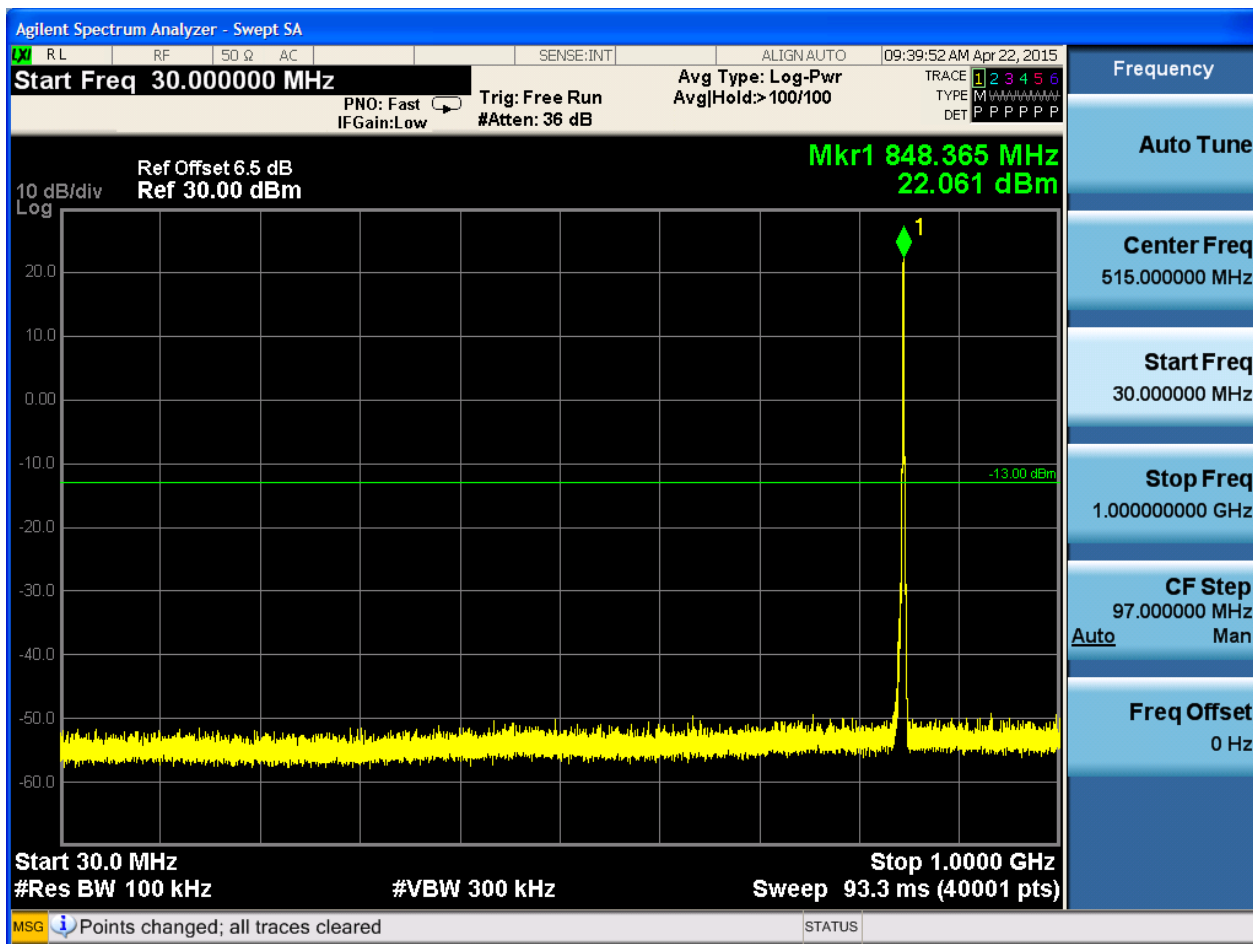
Ref Offset 6.5 dB Mkr1 9.705 kHz
Ref 13.00 dBm -67.094 dBm

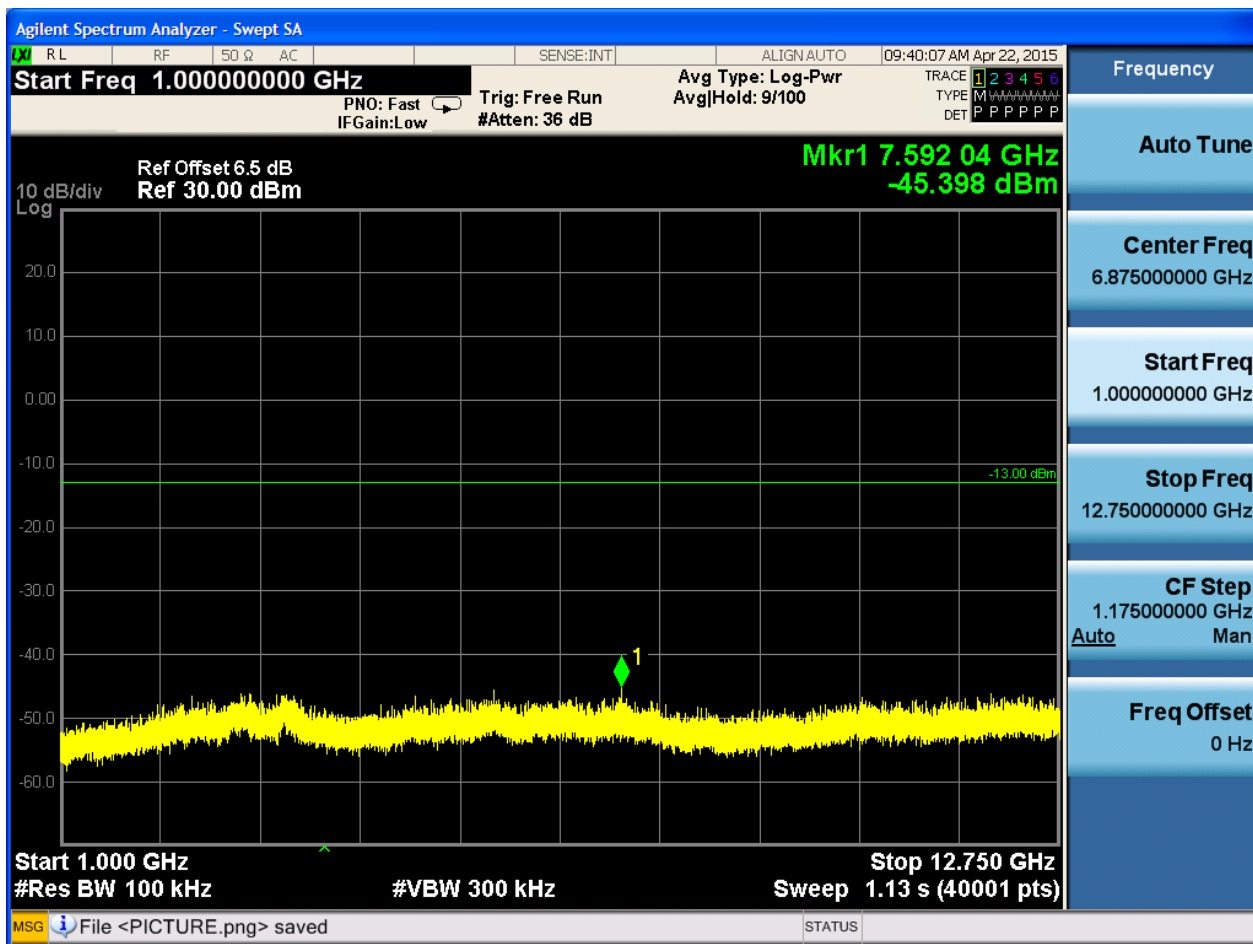
10 dB/div
Log

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

MSG STATUS DC Coupled



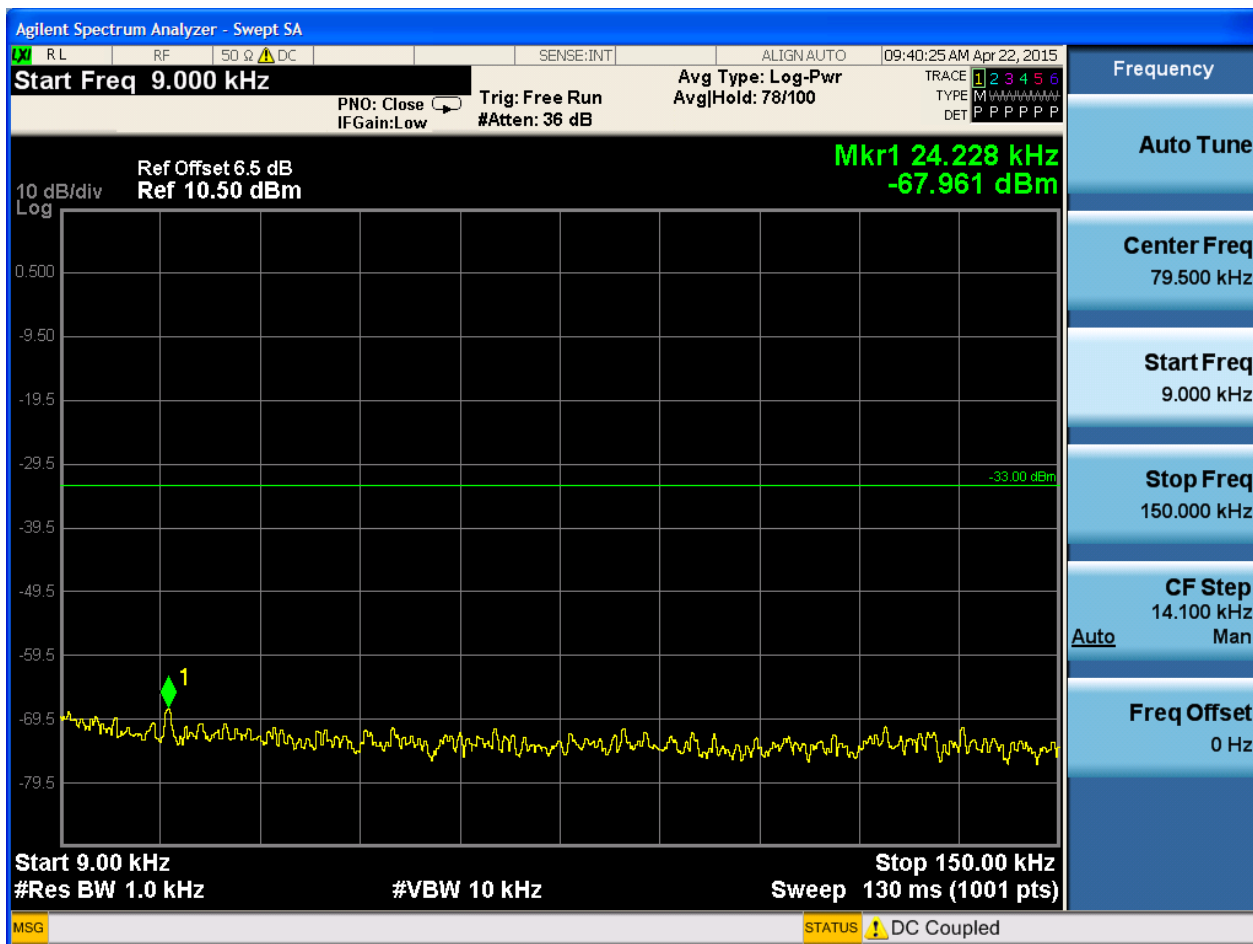


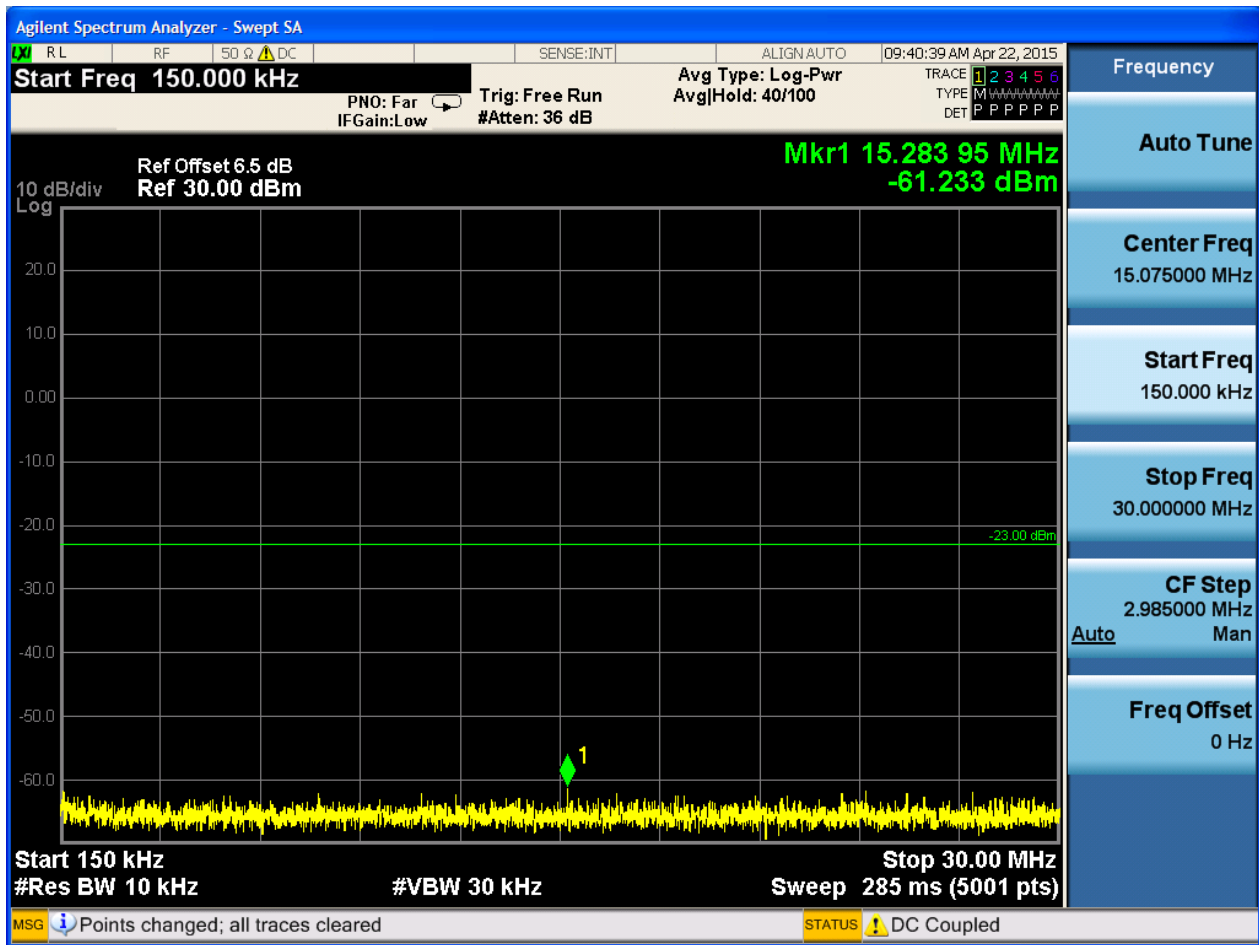


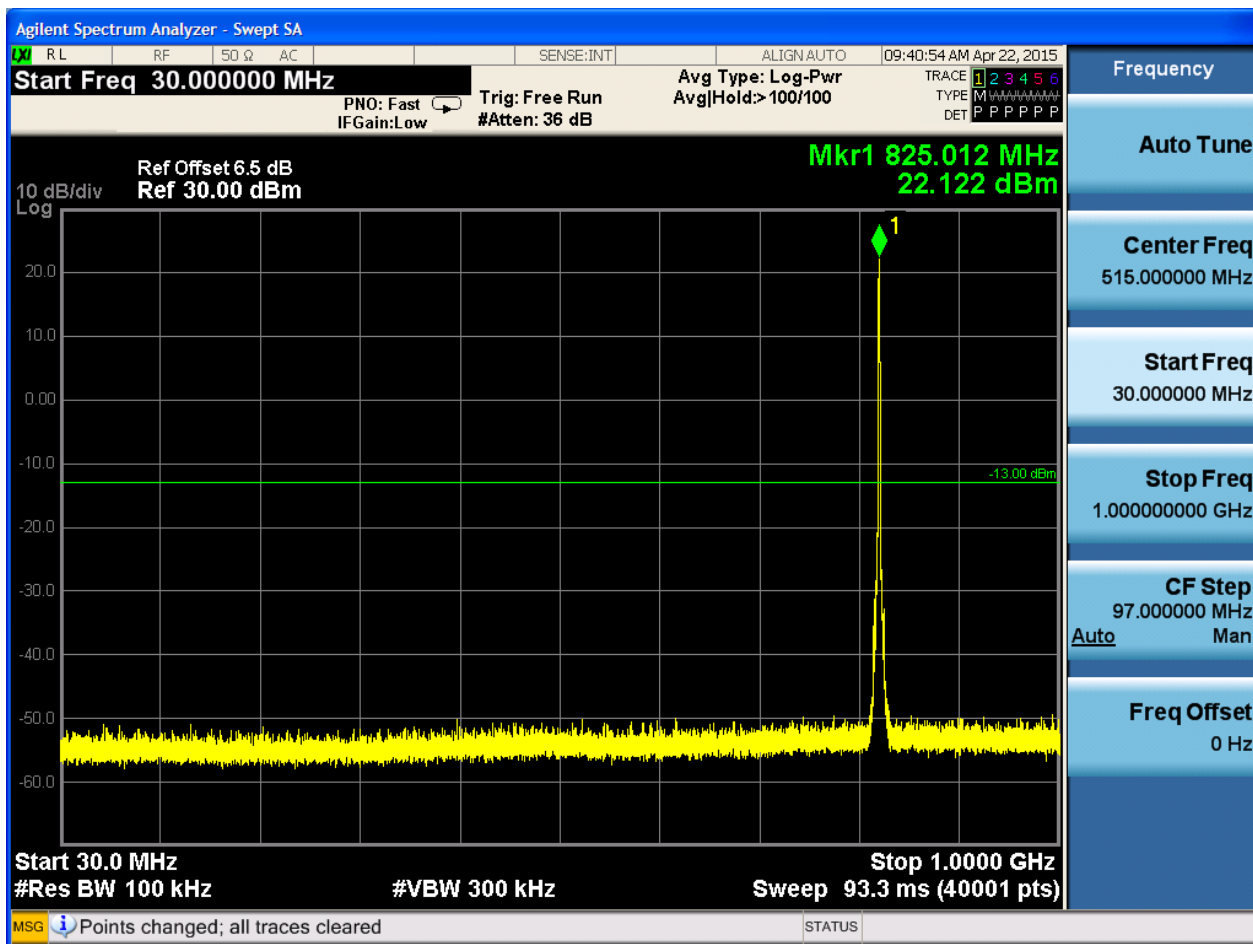


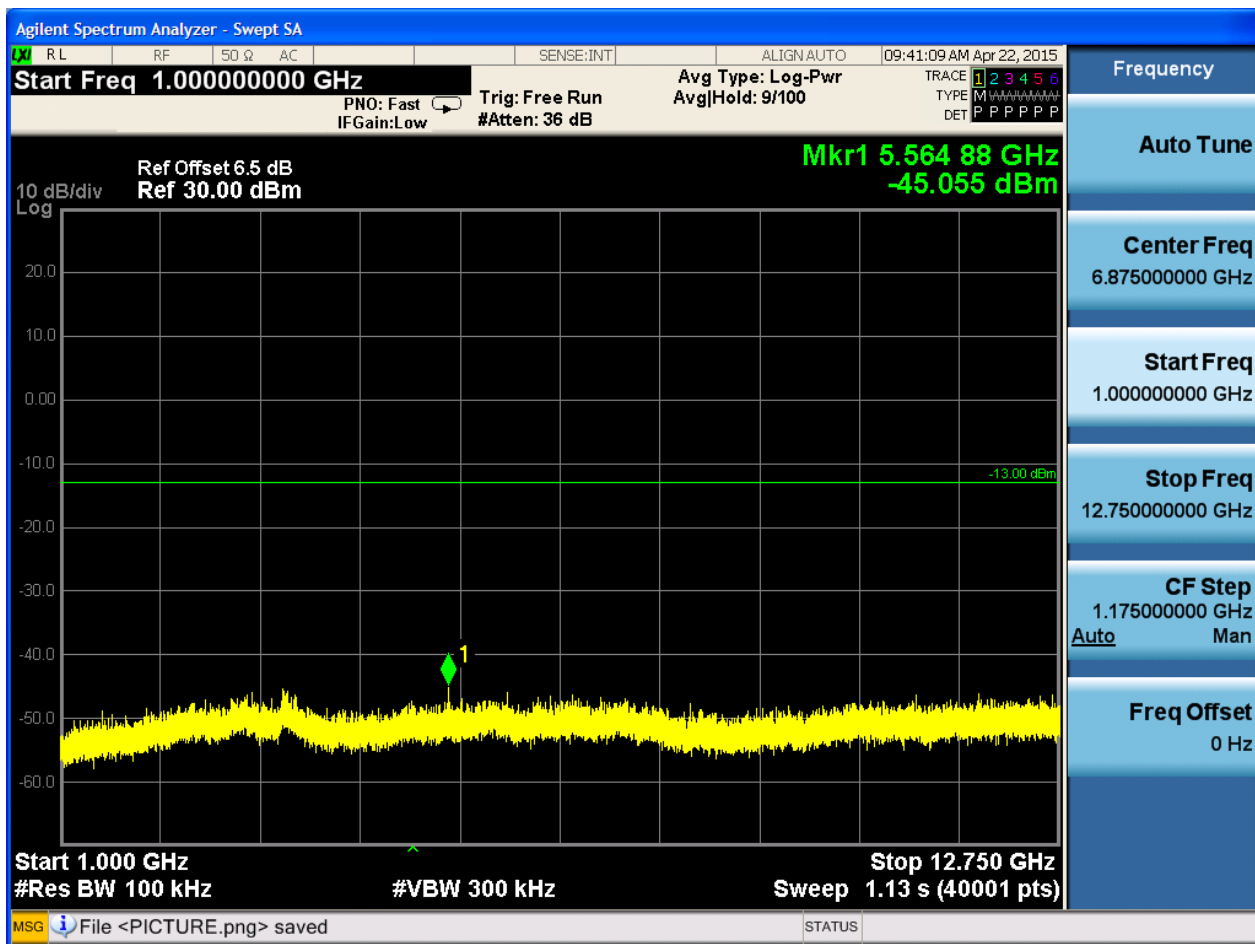
6.1.1.2 Test Mode = CDMA/1X/TM3

6.1.1.2.1 Test Channel = LCH



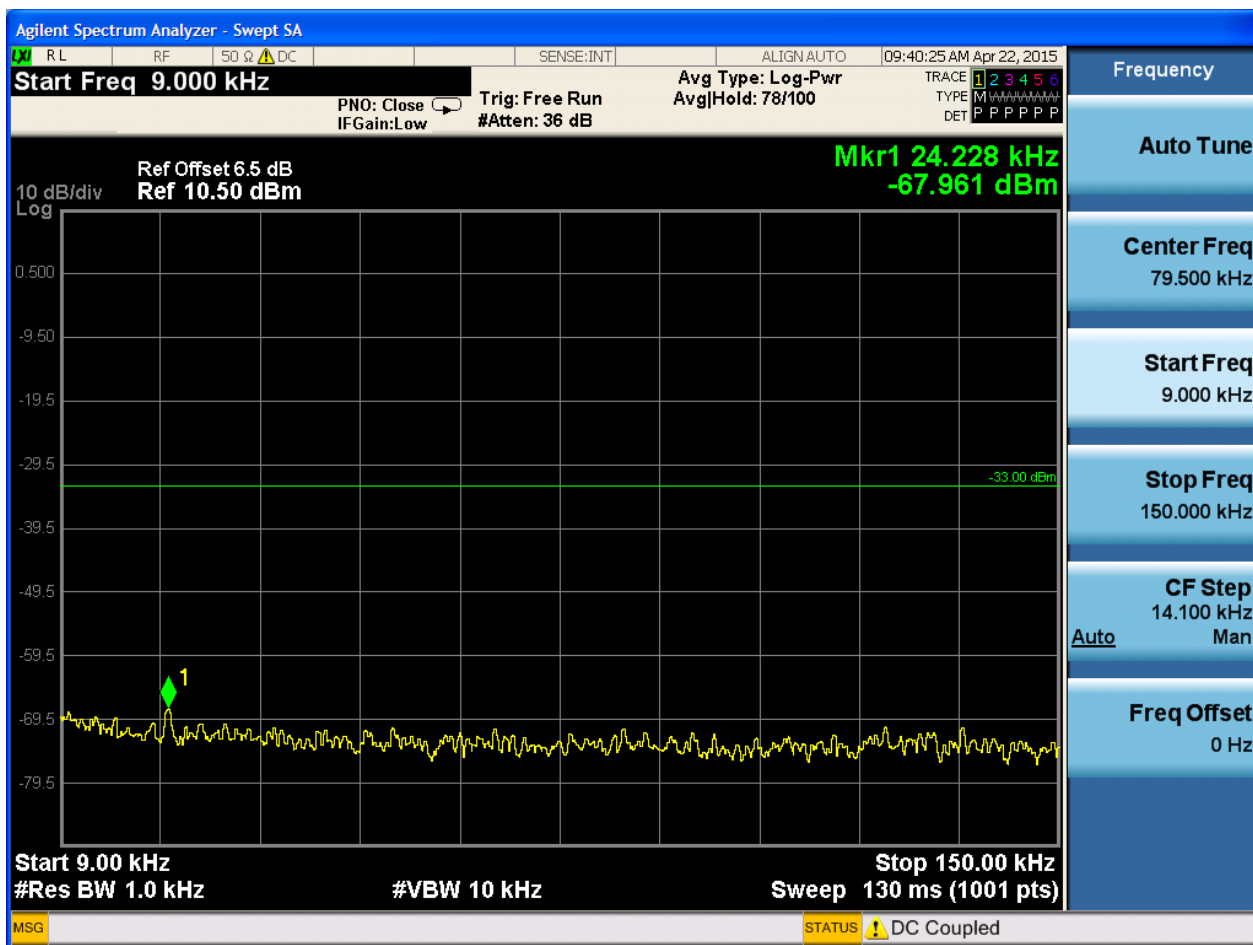


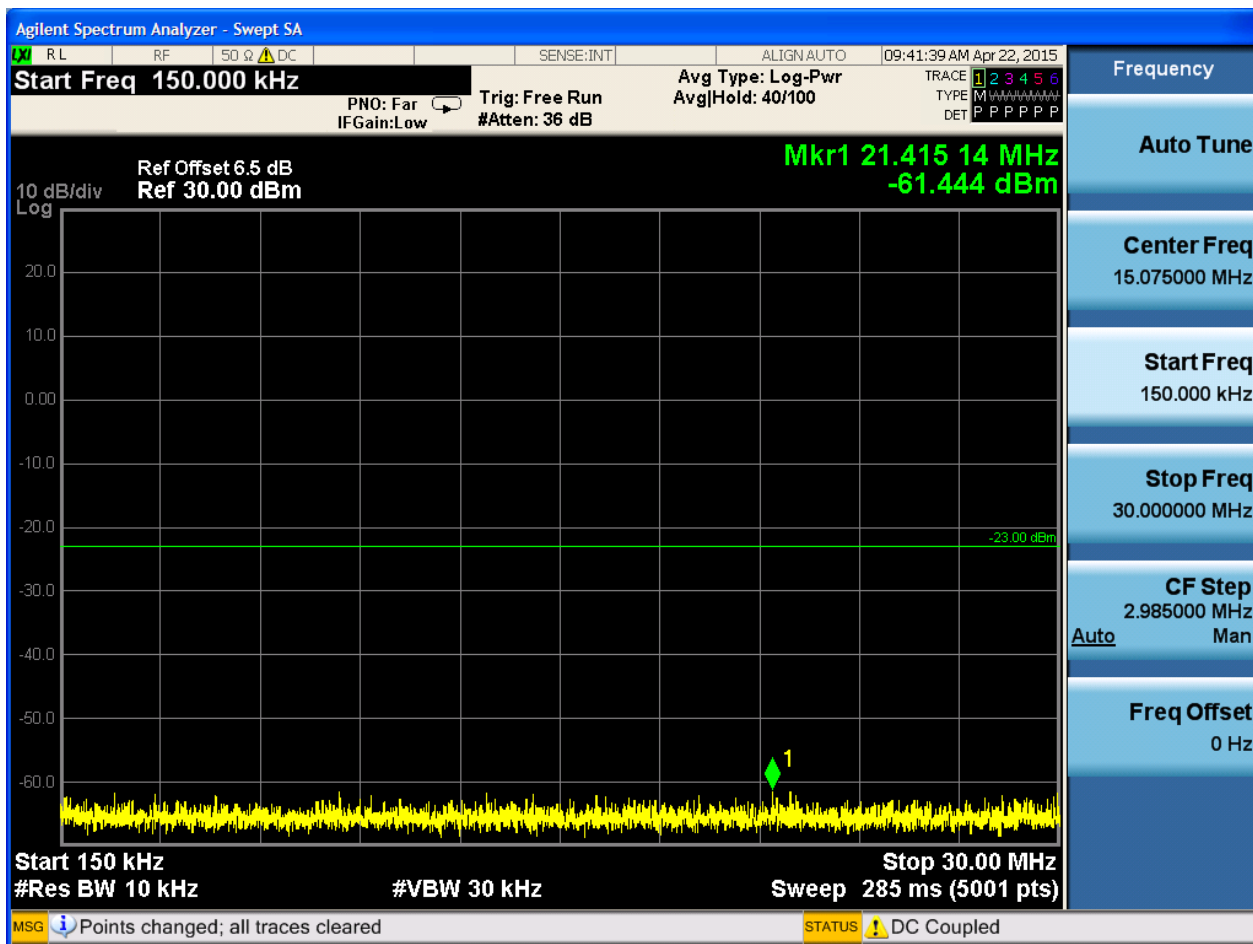


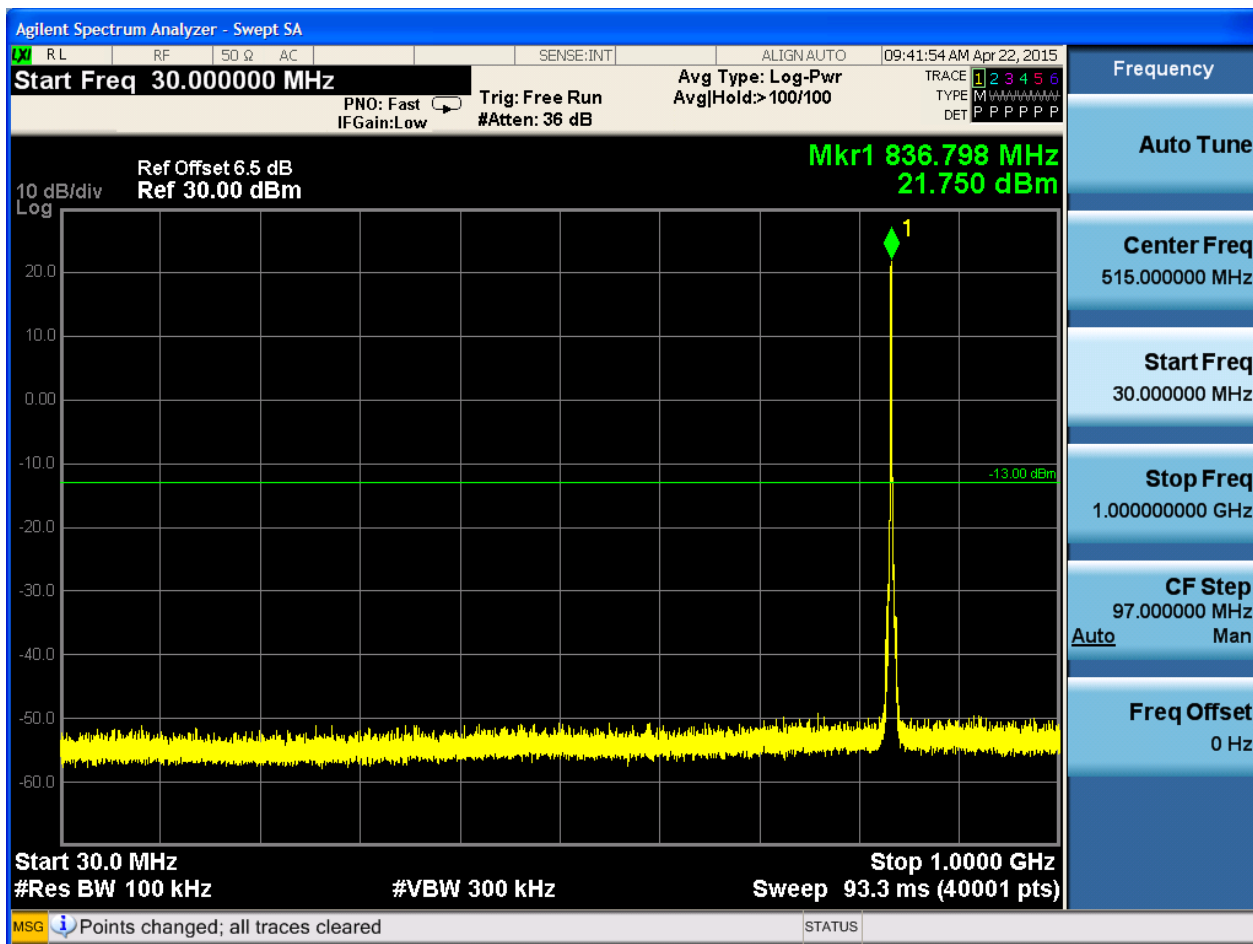


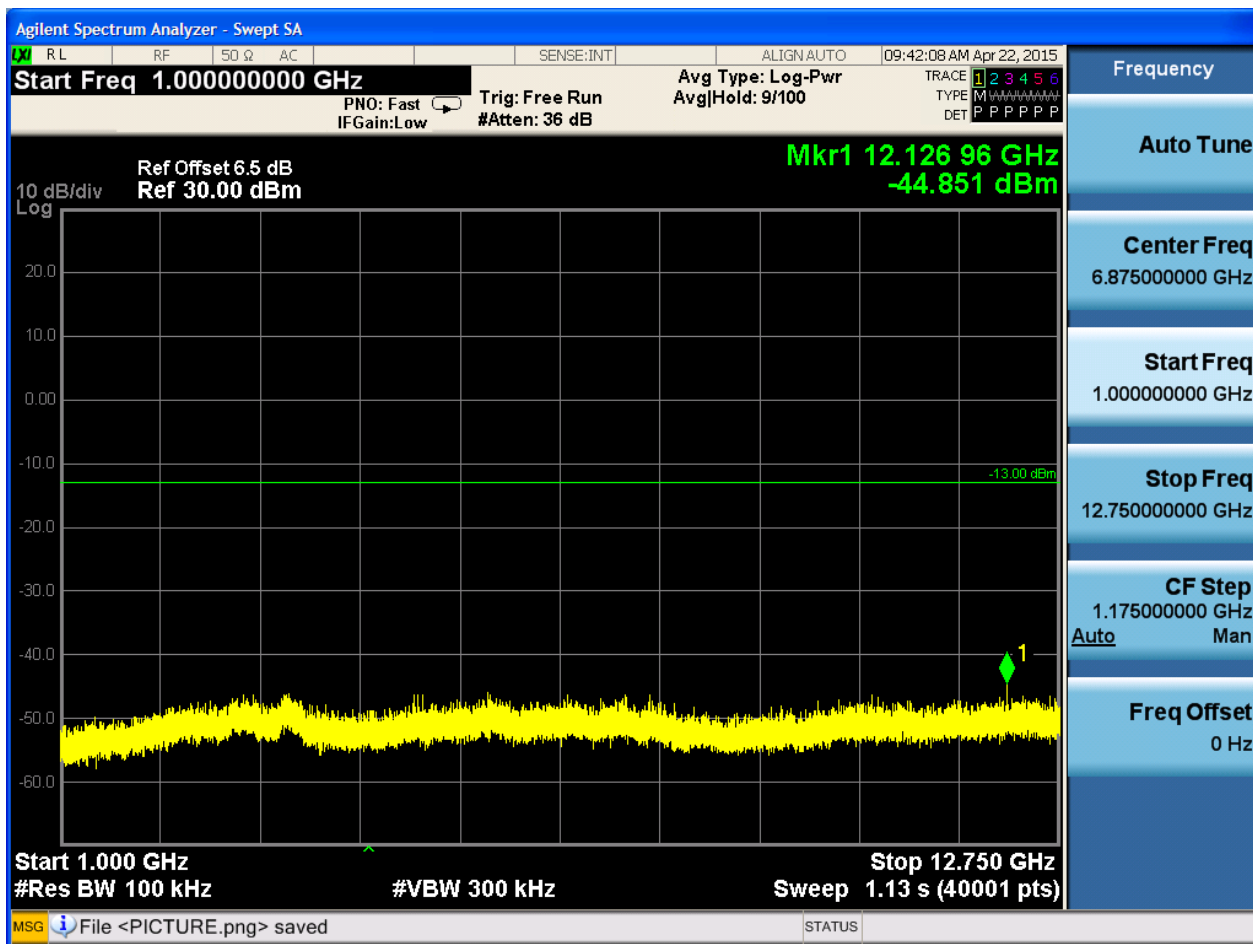


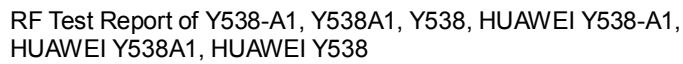
6.1.1.2.2 Test Channel = MCH











Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN: AUTO 09:42:27 AM Apr 22, 2015

Start Freq 9.000 kHz Avg Type: Log-Pwr PNO: Close Trig: Free Run IF Gain: Low #Atten: 36 dB TYPE M DET P P P P P

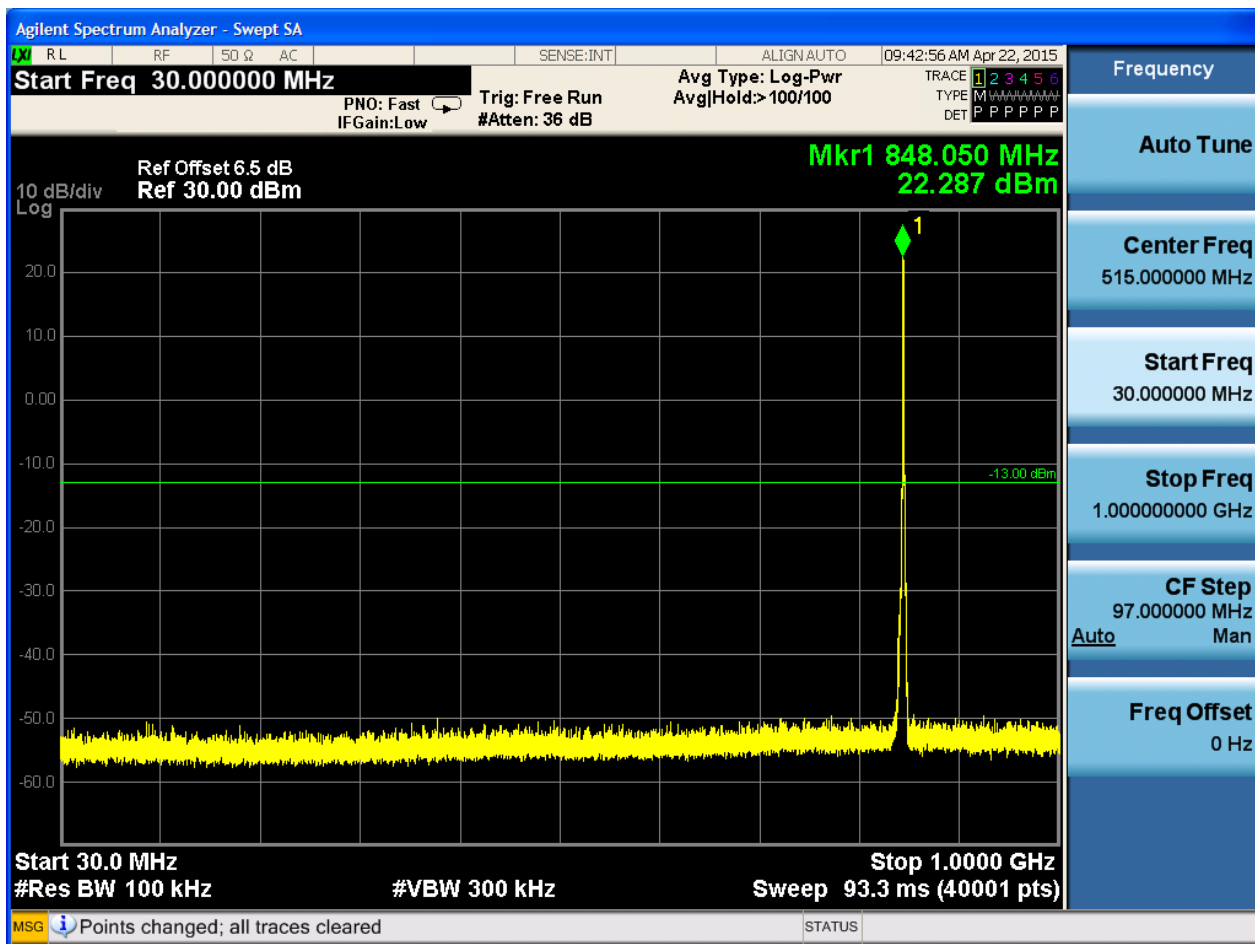
Ref Offset 6.5 dB Mkr1 12.243 kHz
Ref 18.00 dBm -67.710 dBm

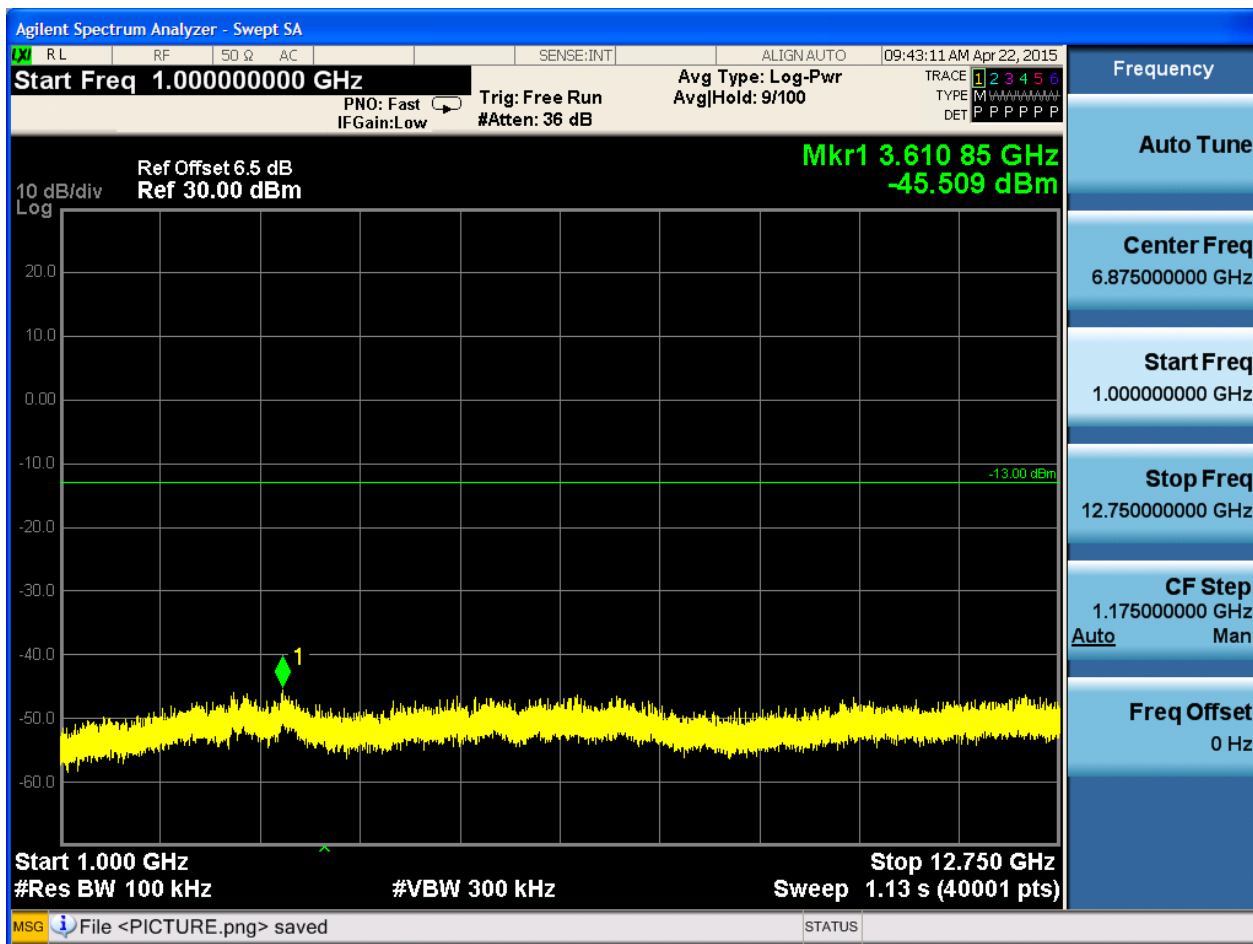
10 dB/div Log

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

MSG Alignment Completed STATUS DC Coupled



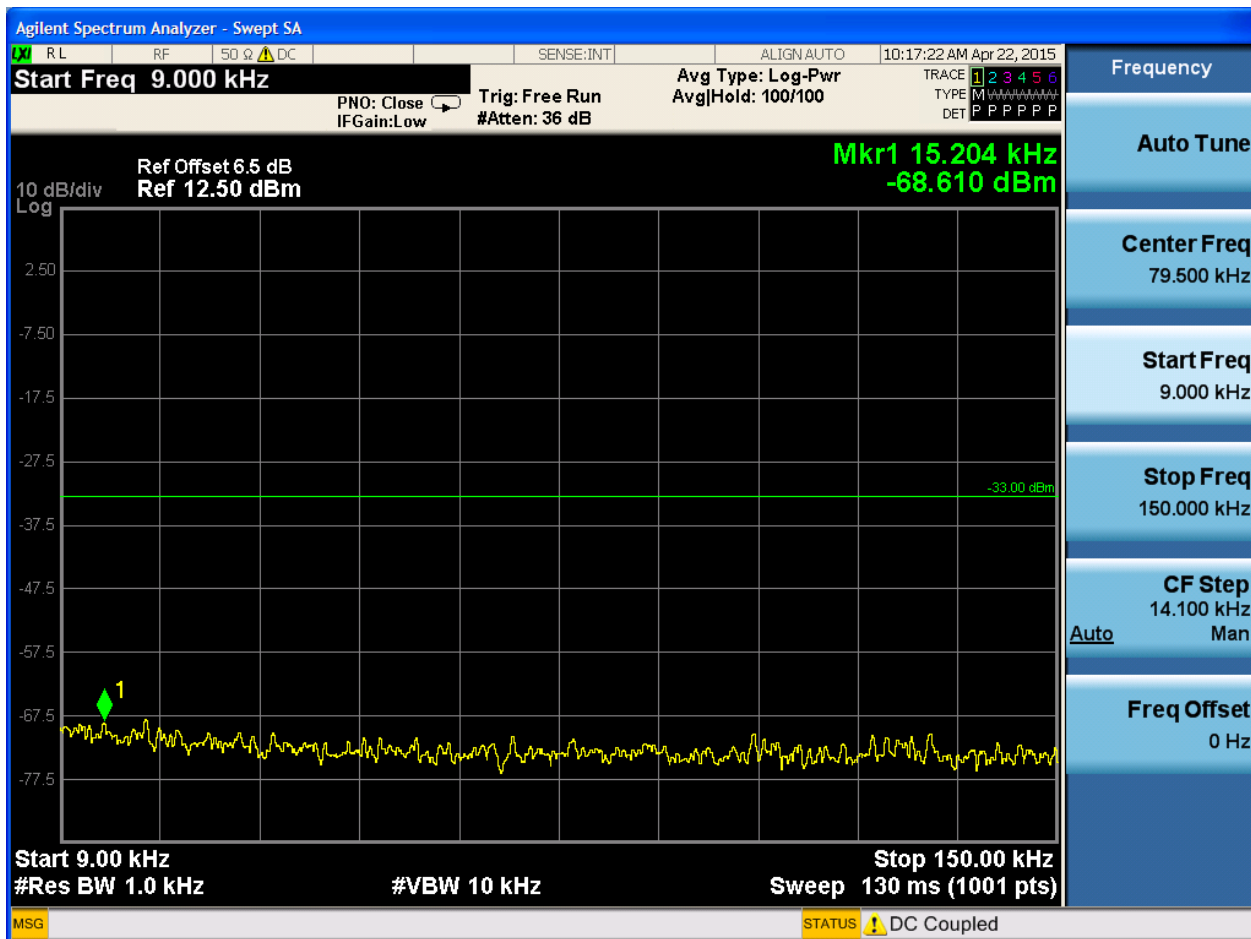




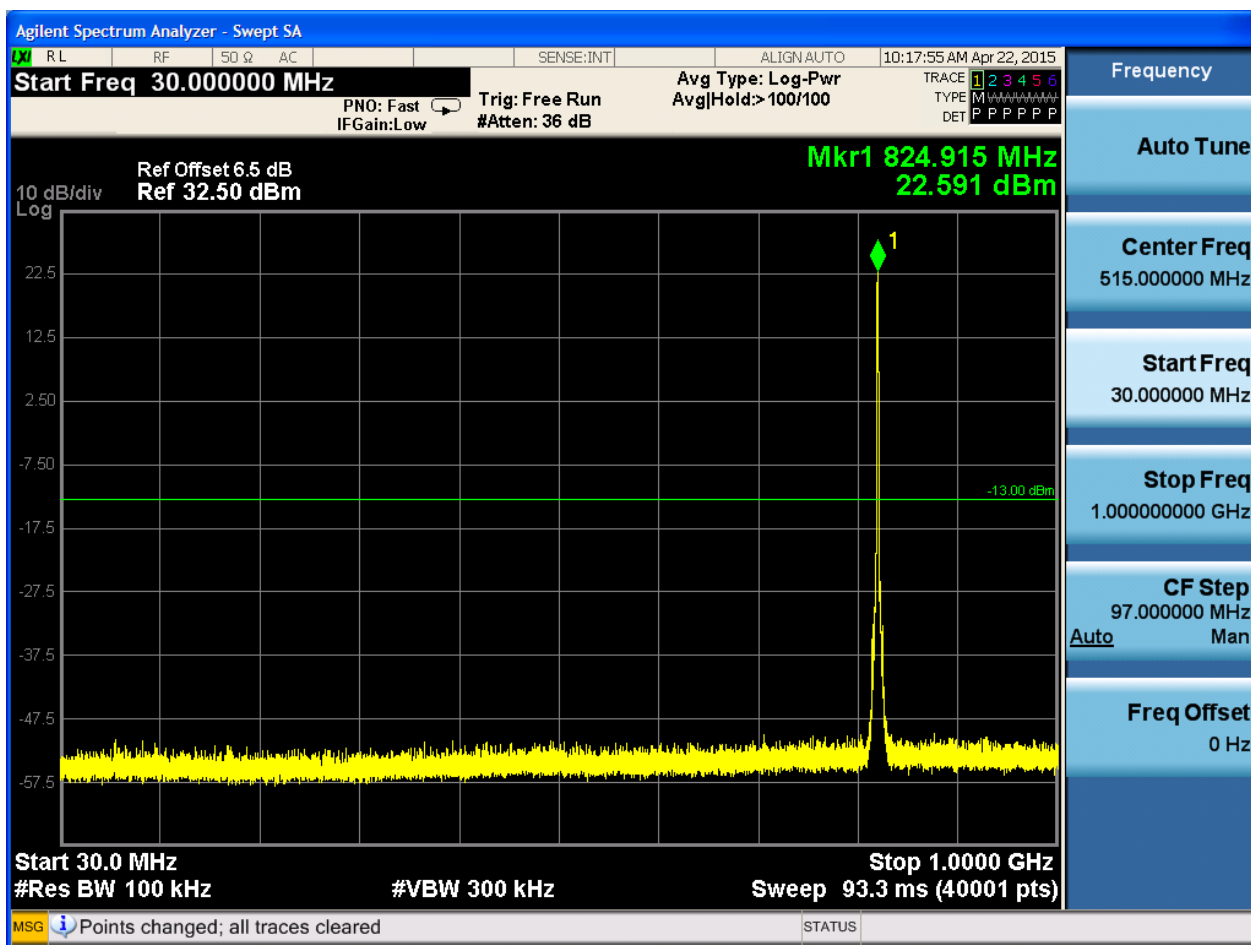


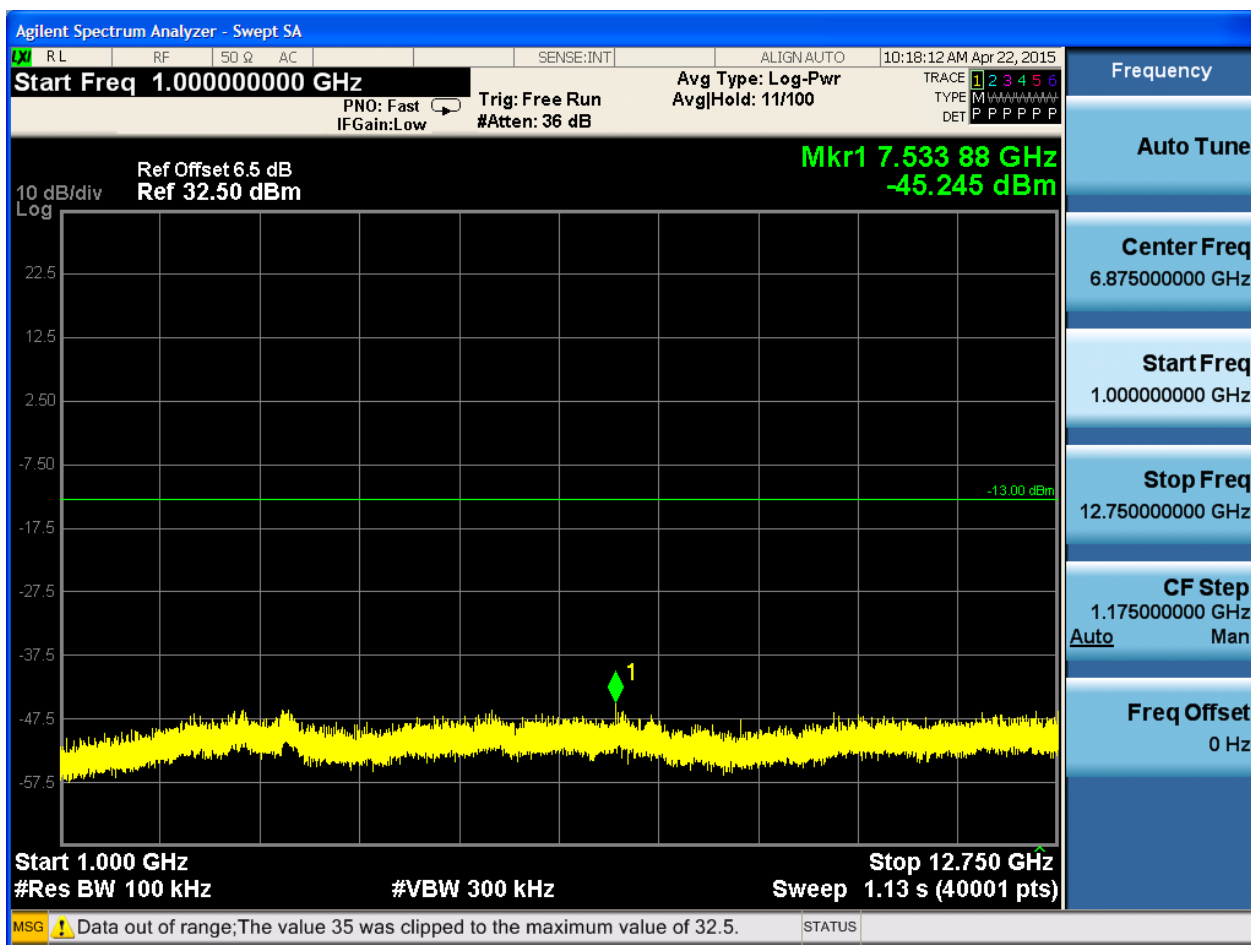
6.1.1.3 Test Mode = CDMA/EV-DO/Subtype0

6.1.1.3.1 Test Channel = LCH



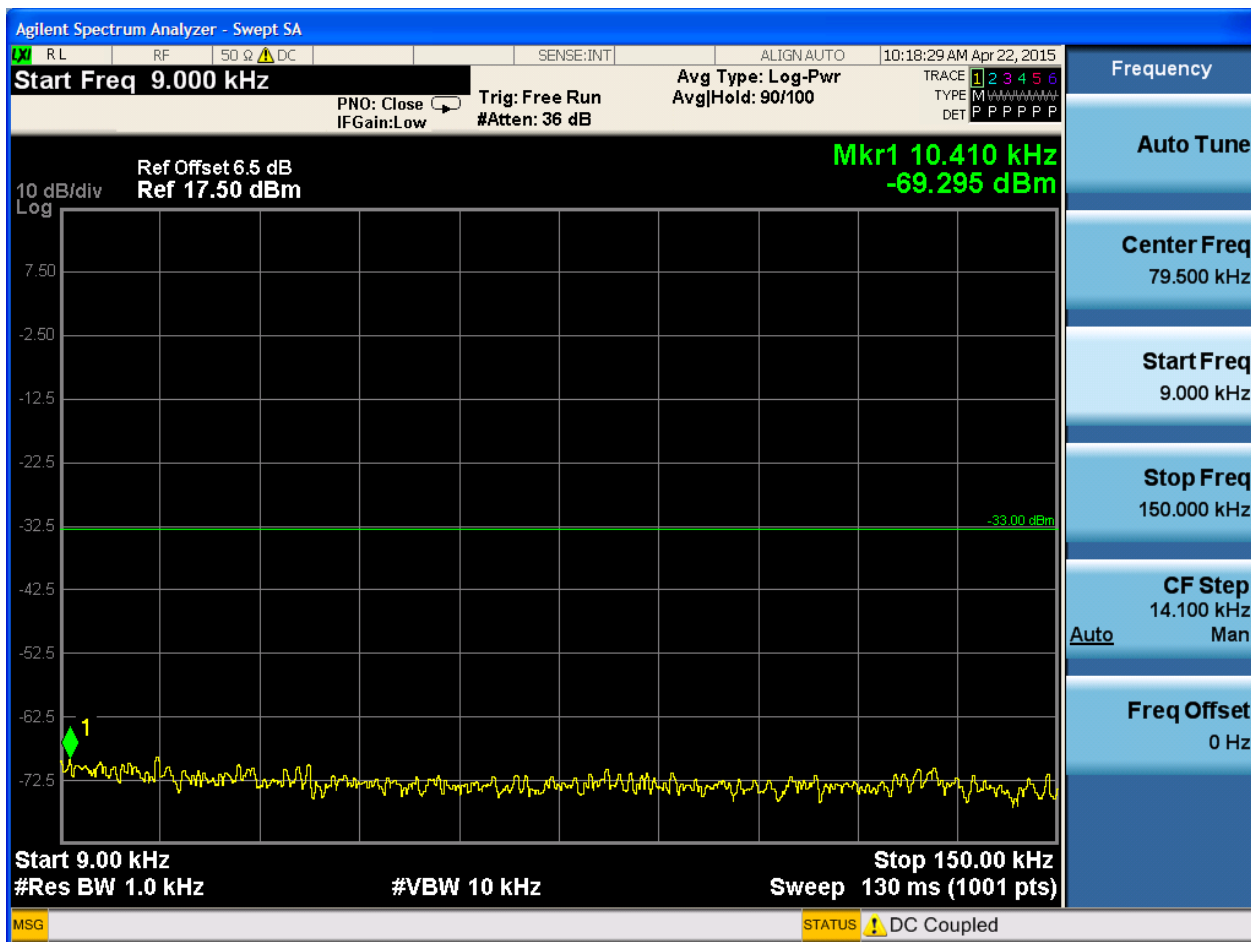




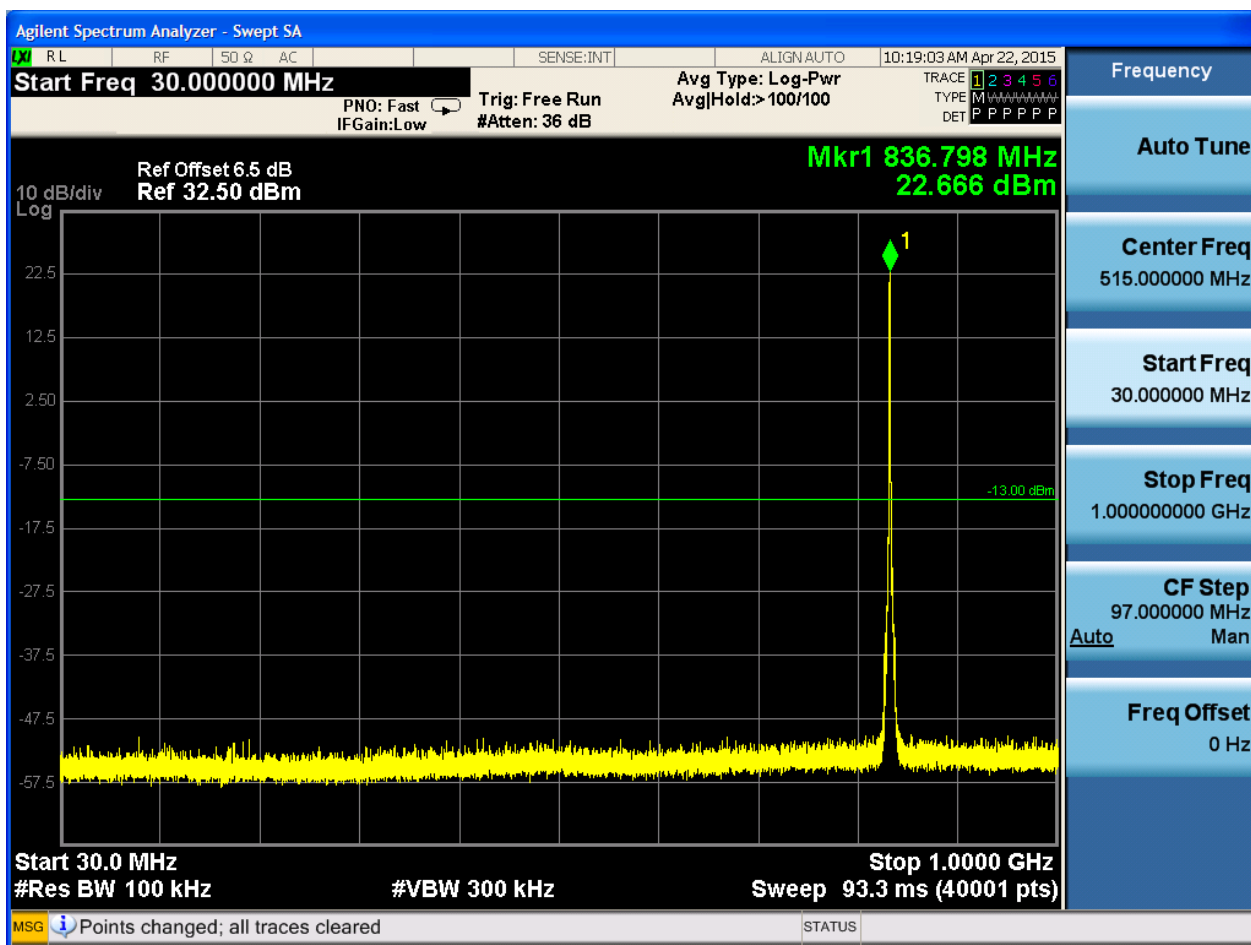


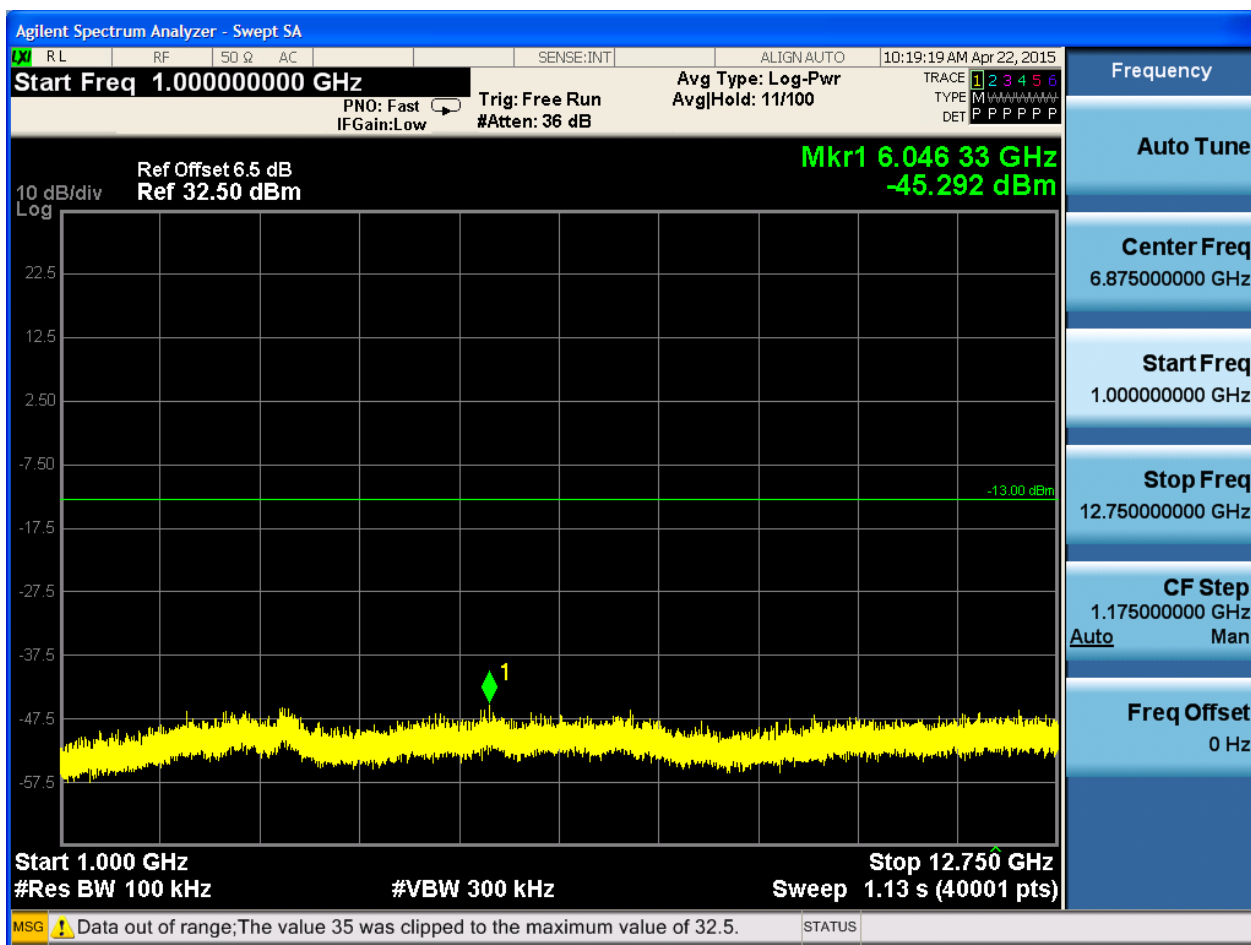


6.1.1.3.2 Test Channel = MCH



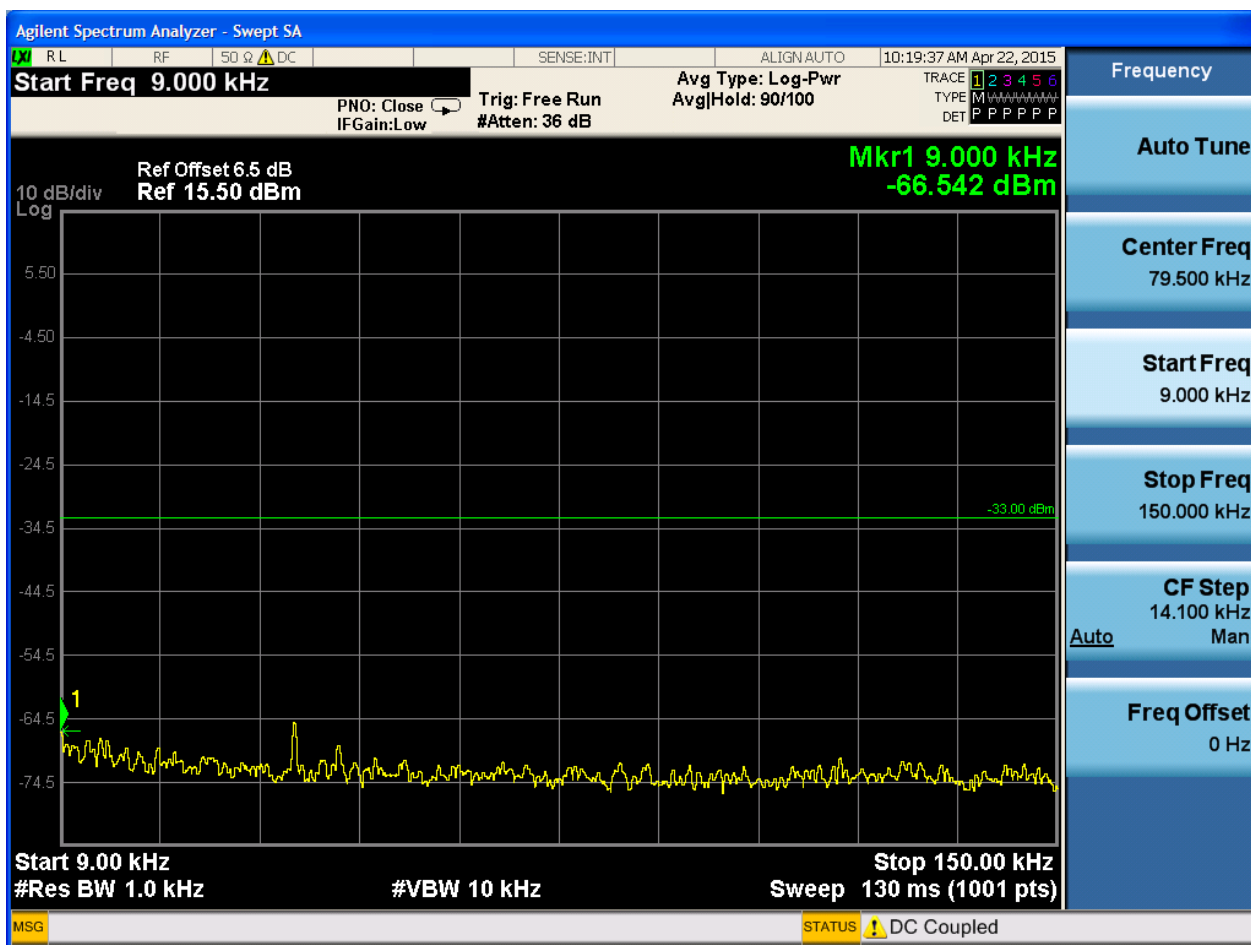




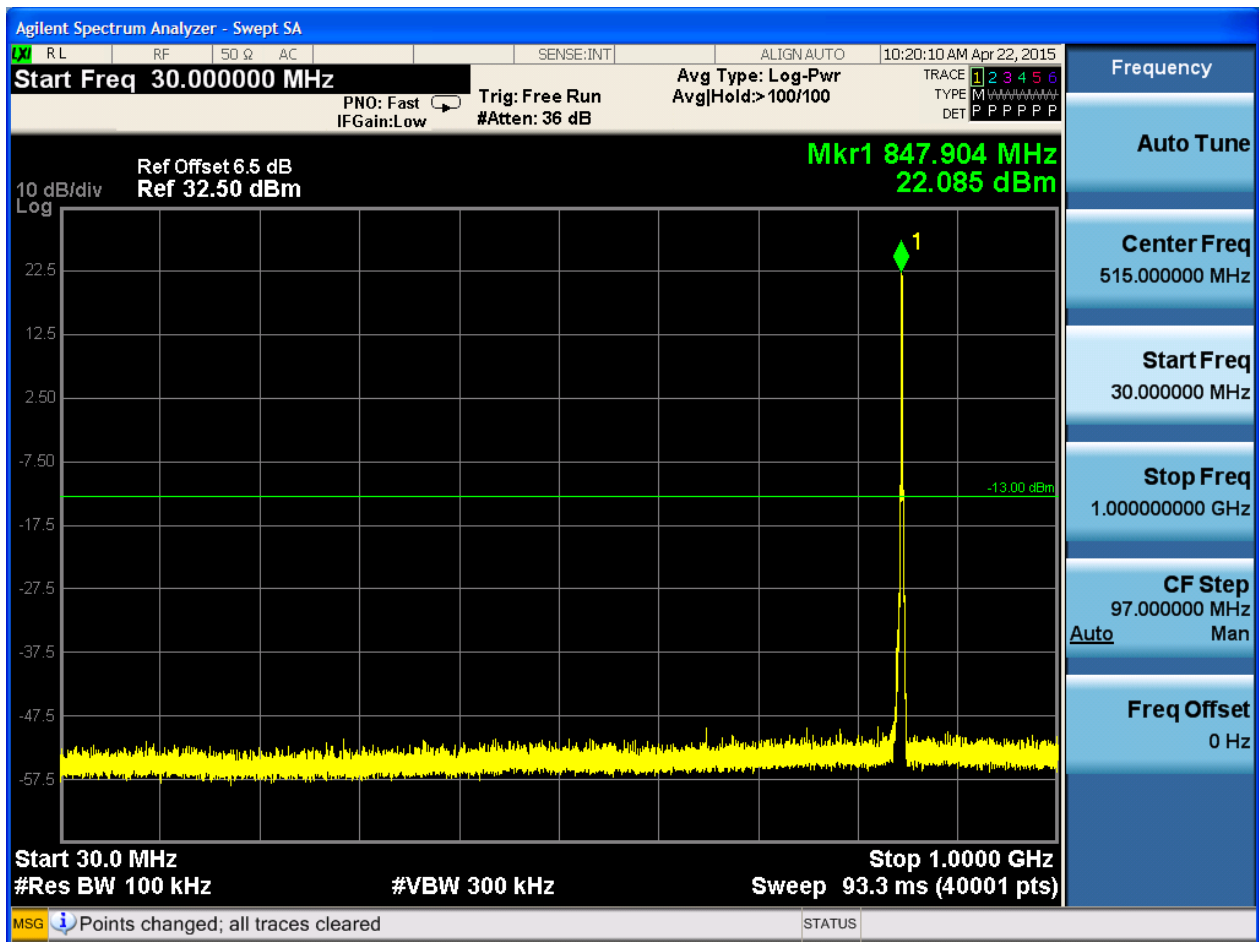


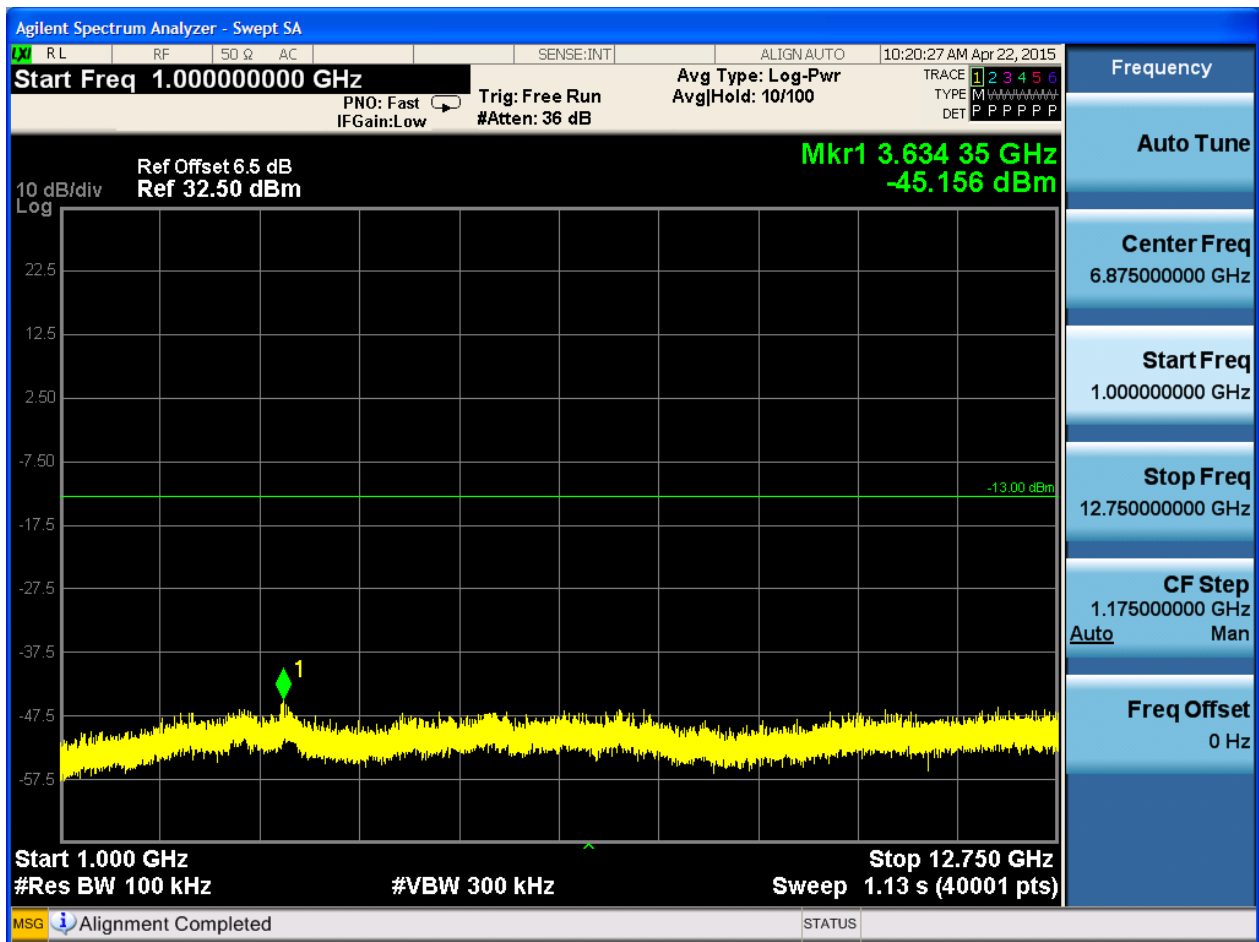


6.1.1.3.3 Test Channel = HCH





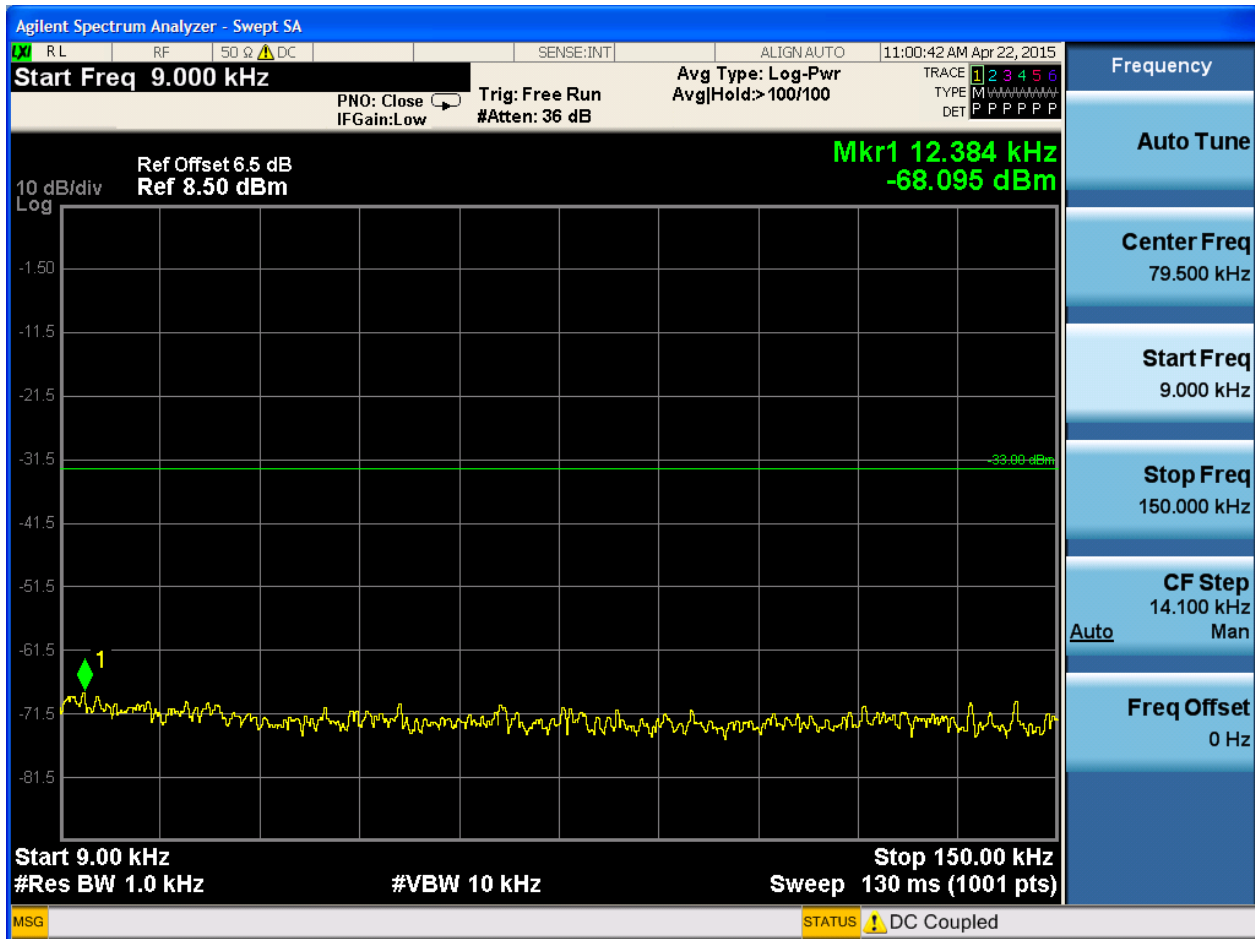


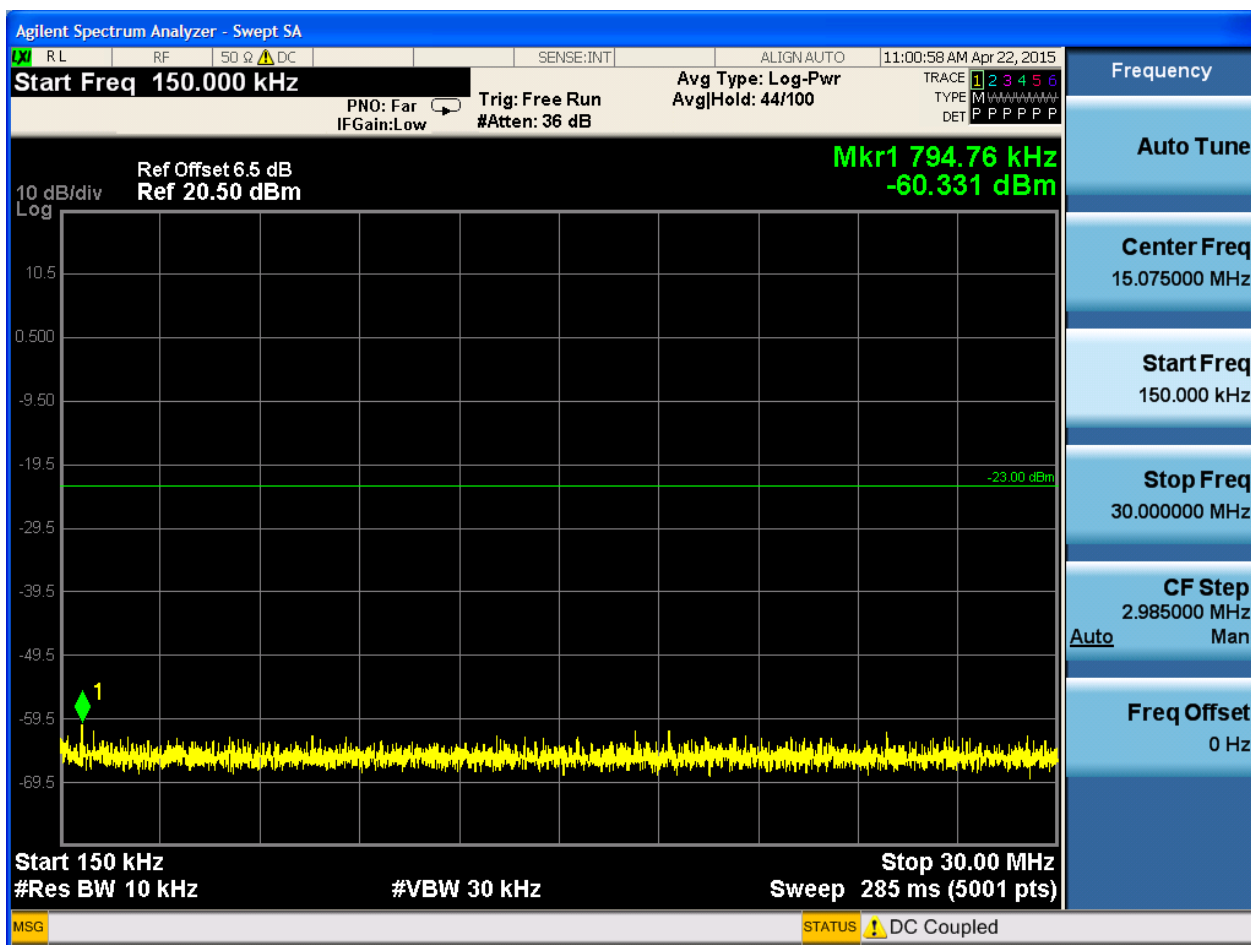


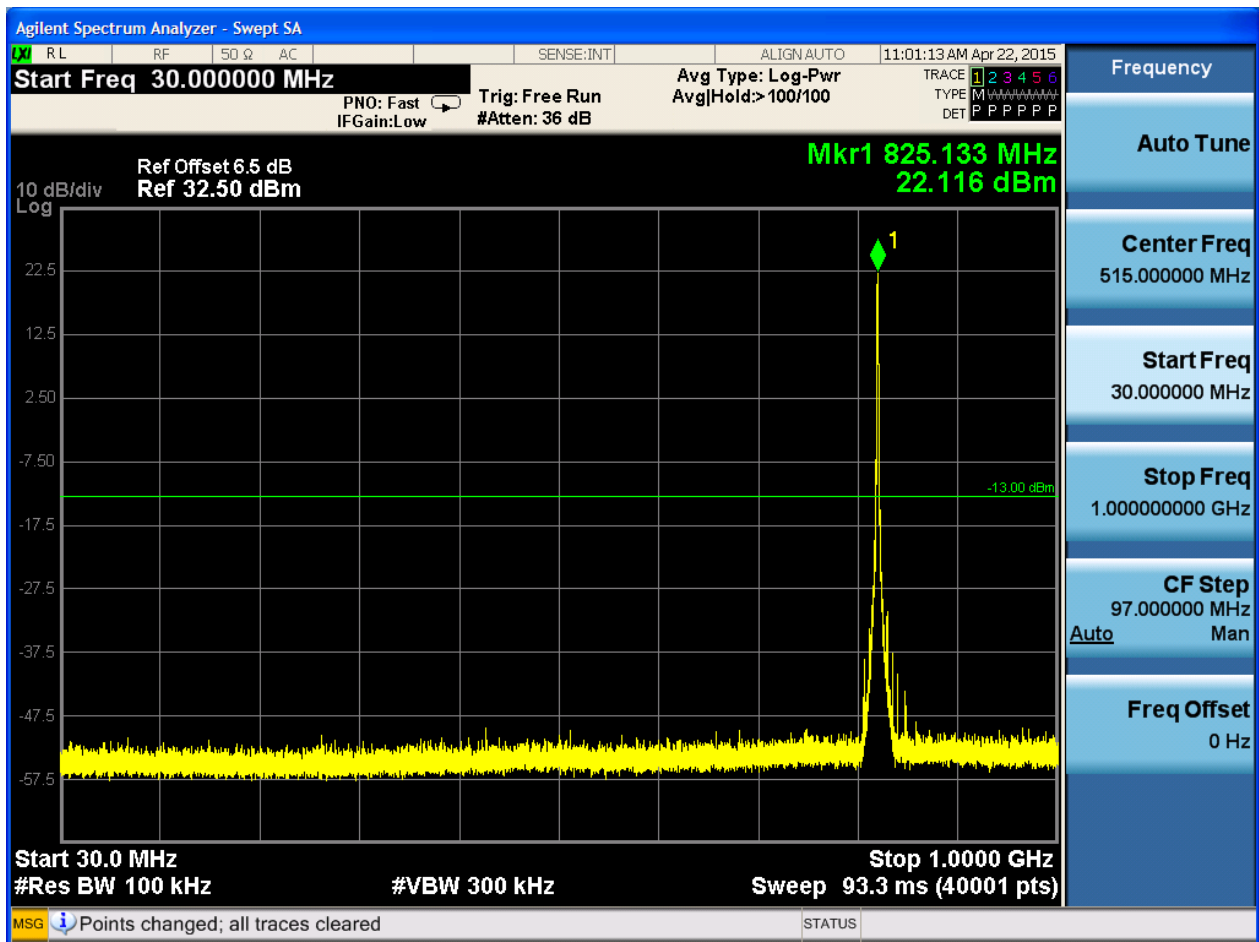


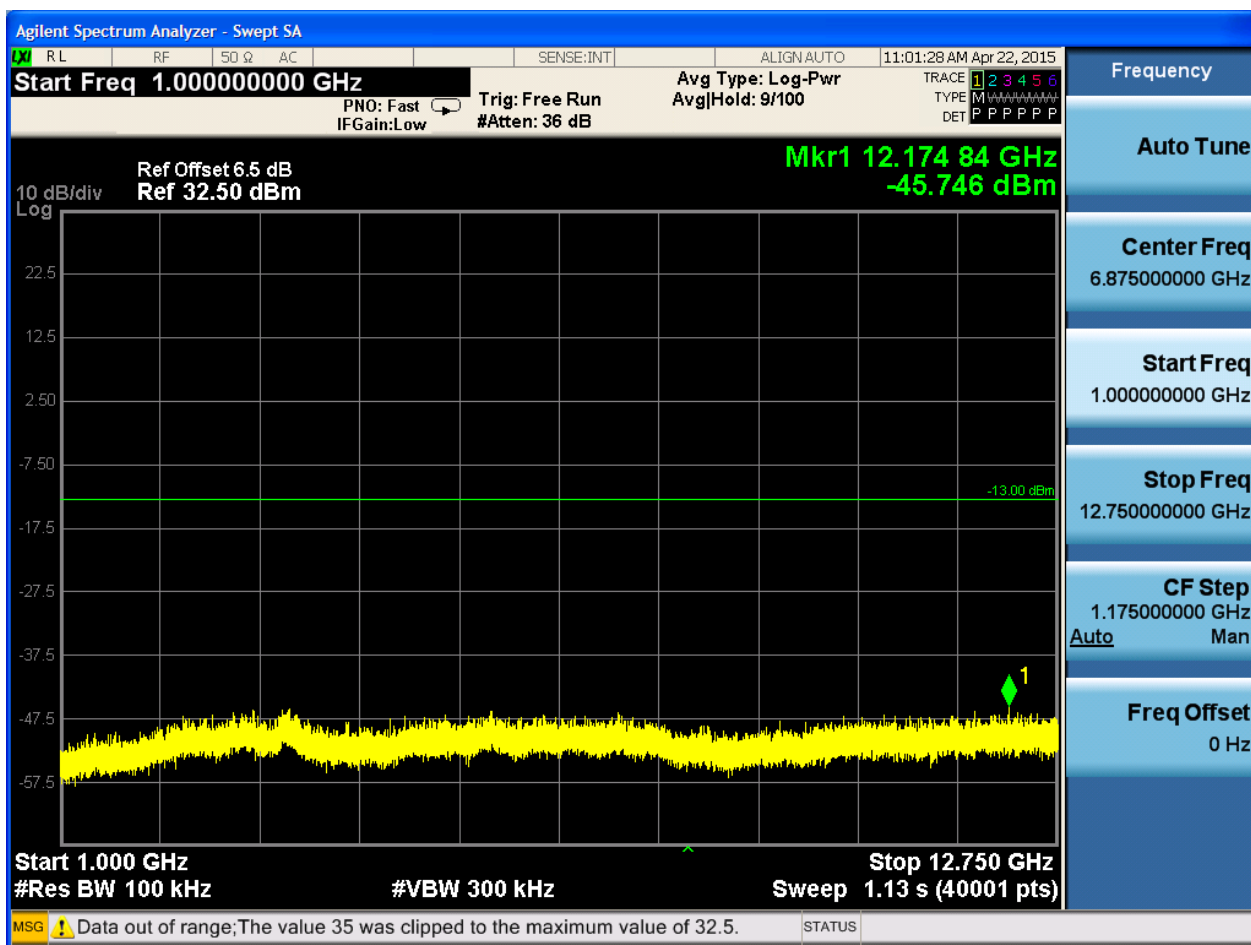
6.1.1.4 Test Mode = CDMA/EV-DO/Subtype2/256

6.1.1.4.1 Test Channel = LCH



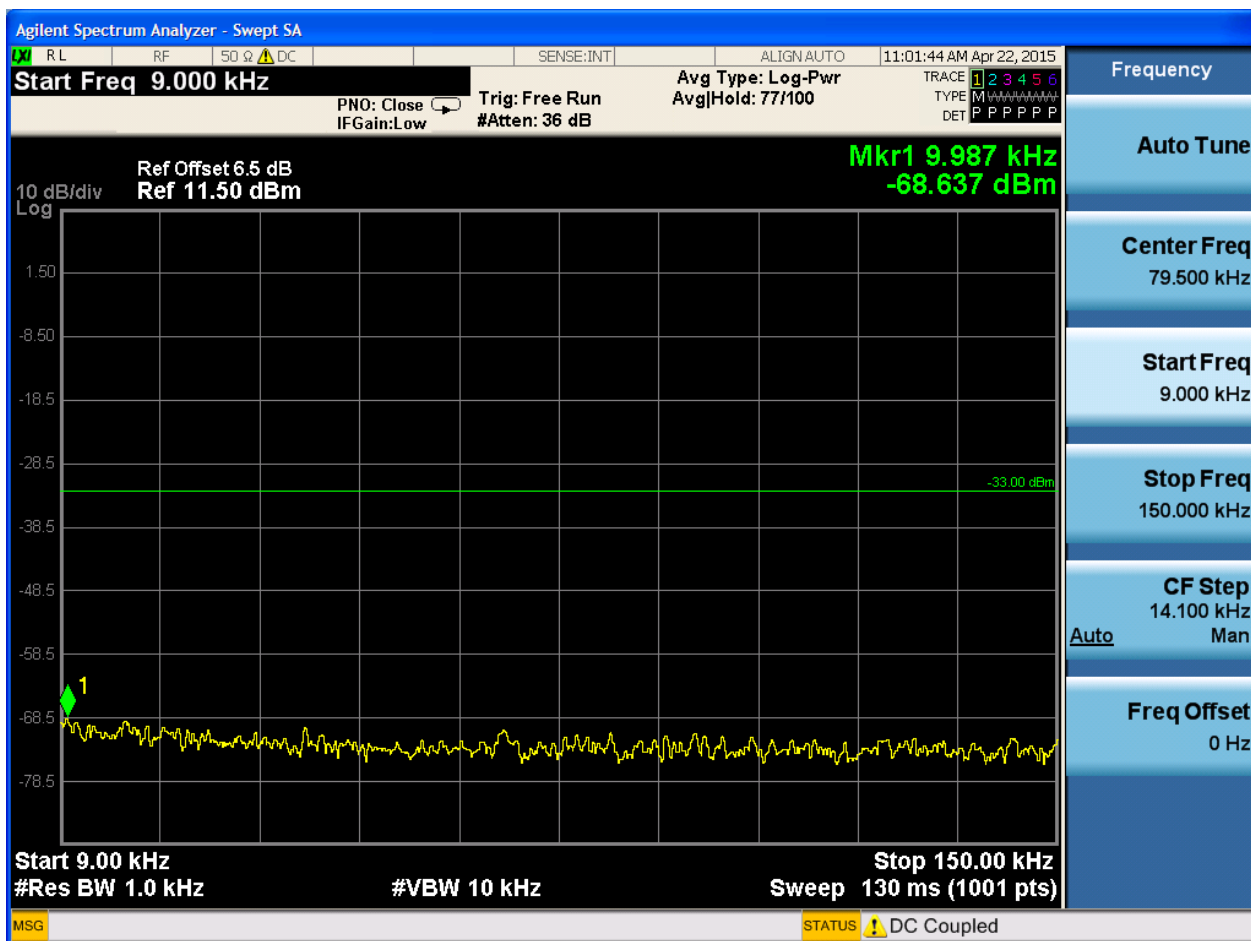


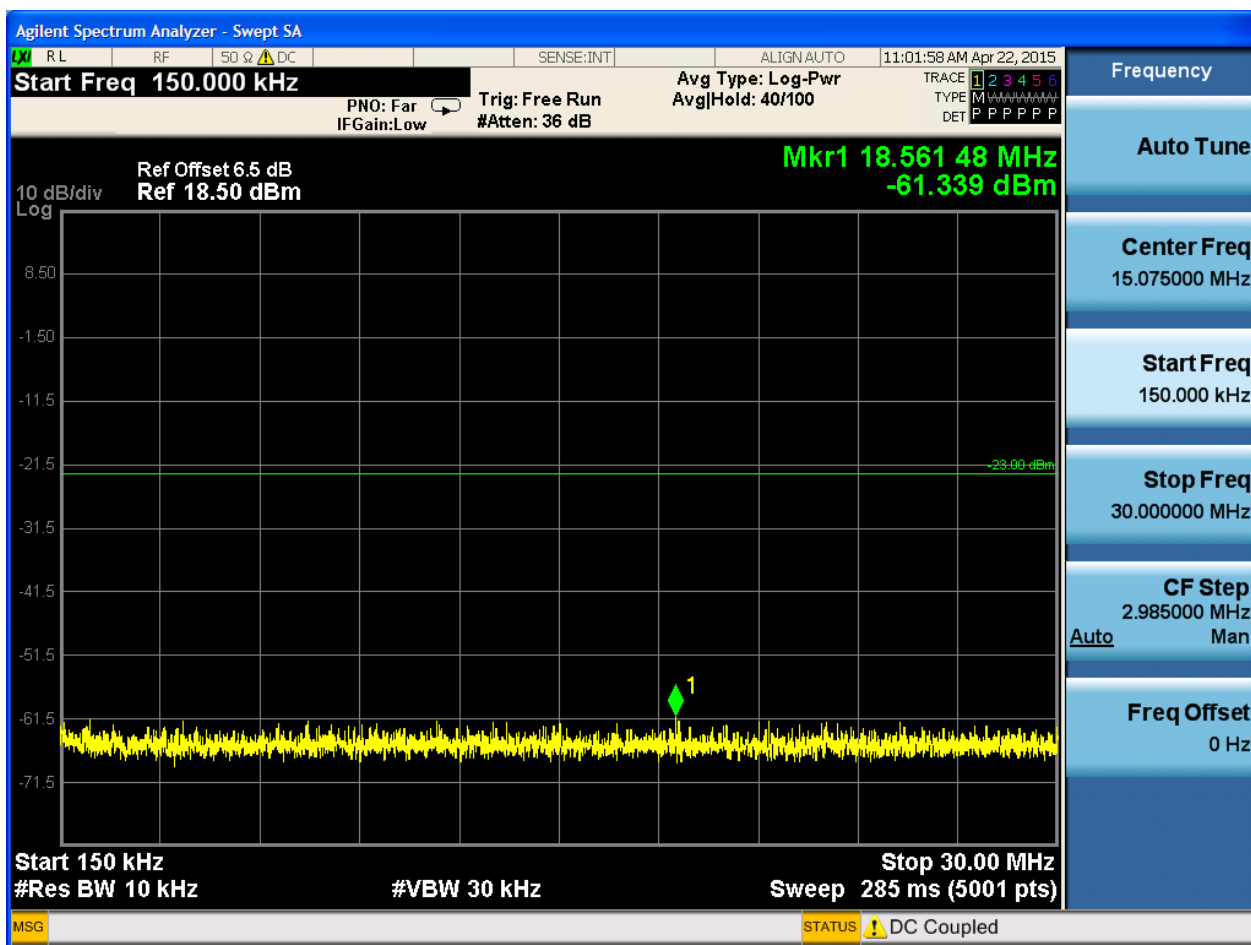


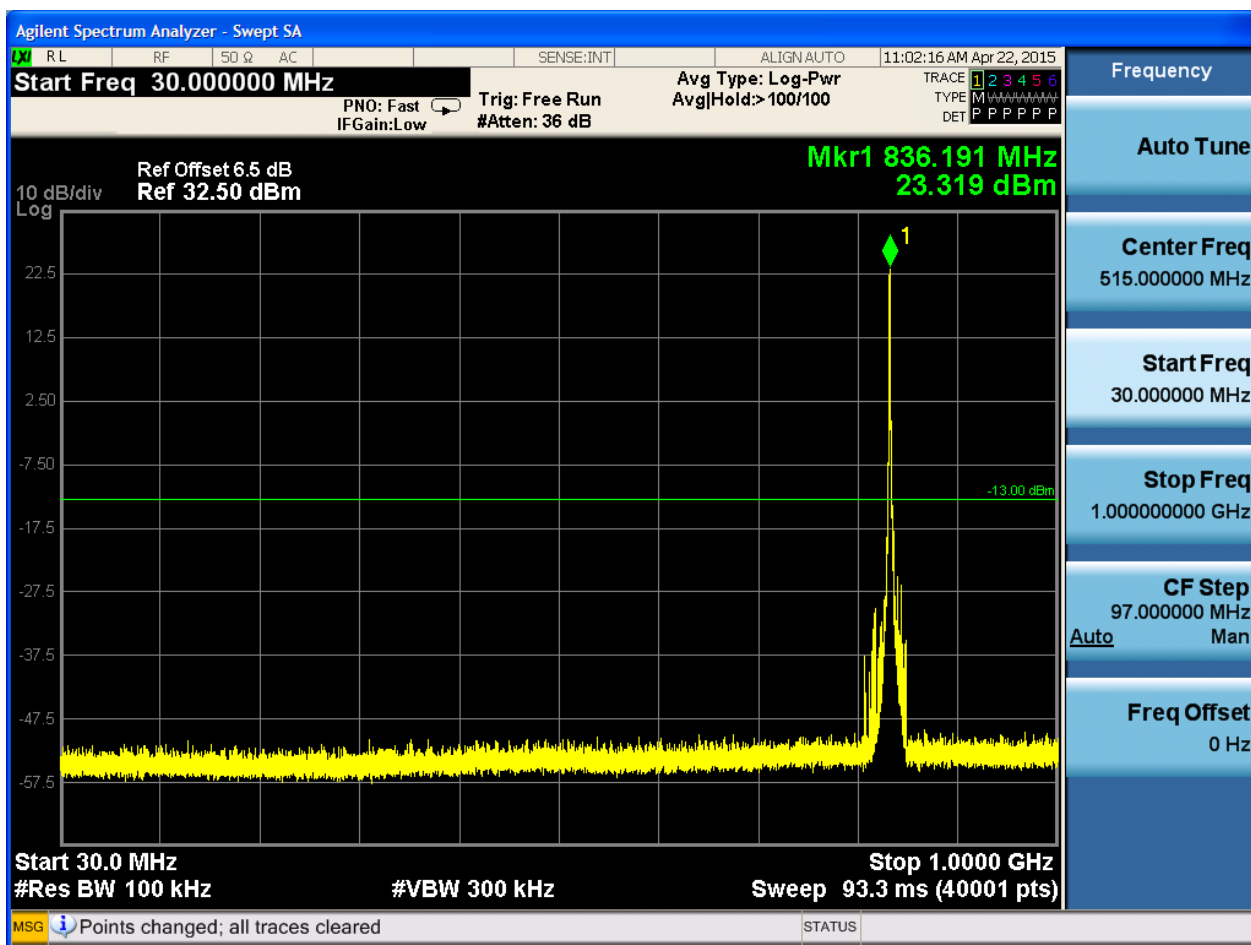


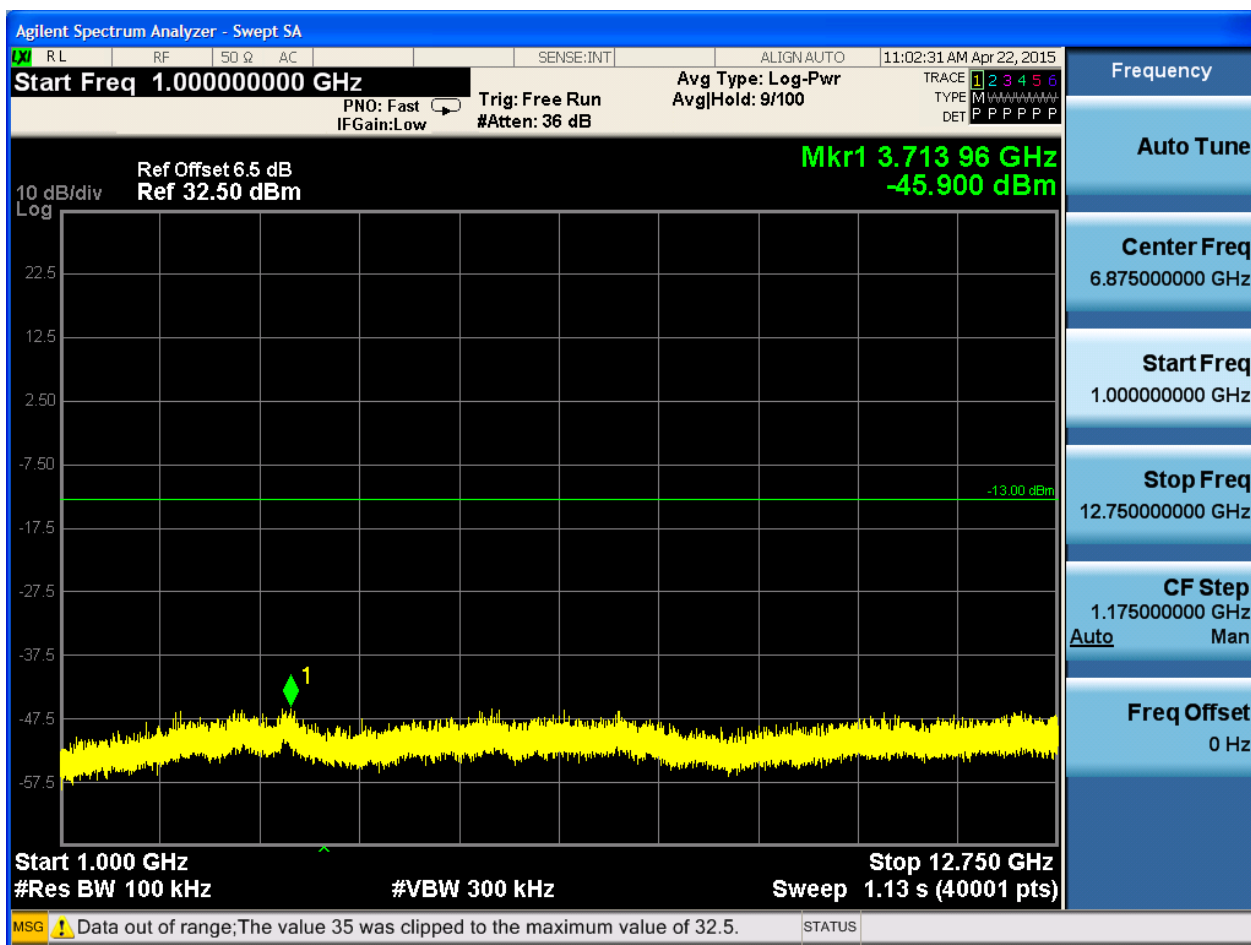


6.1.1.4.2 Test Channel = MCH



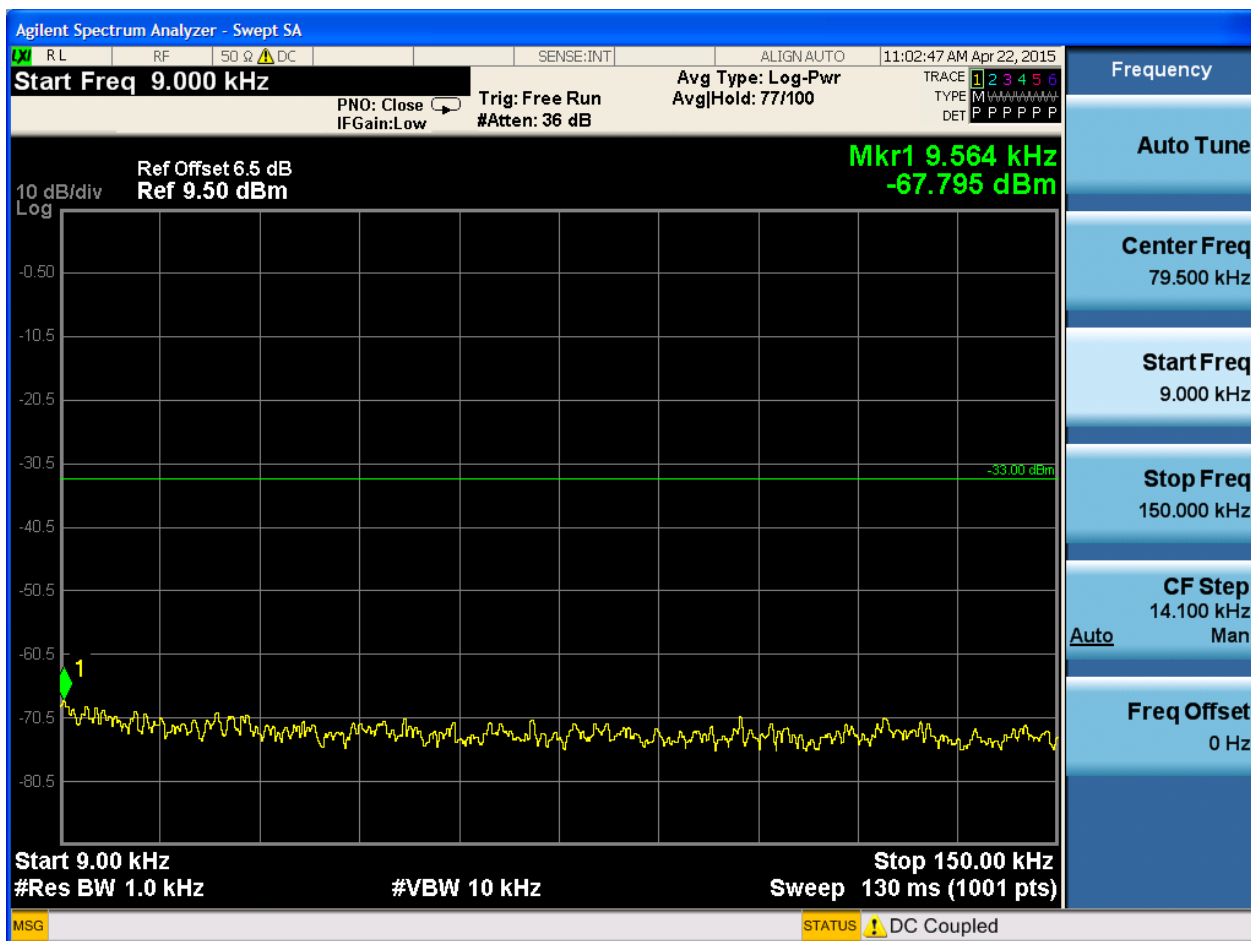


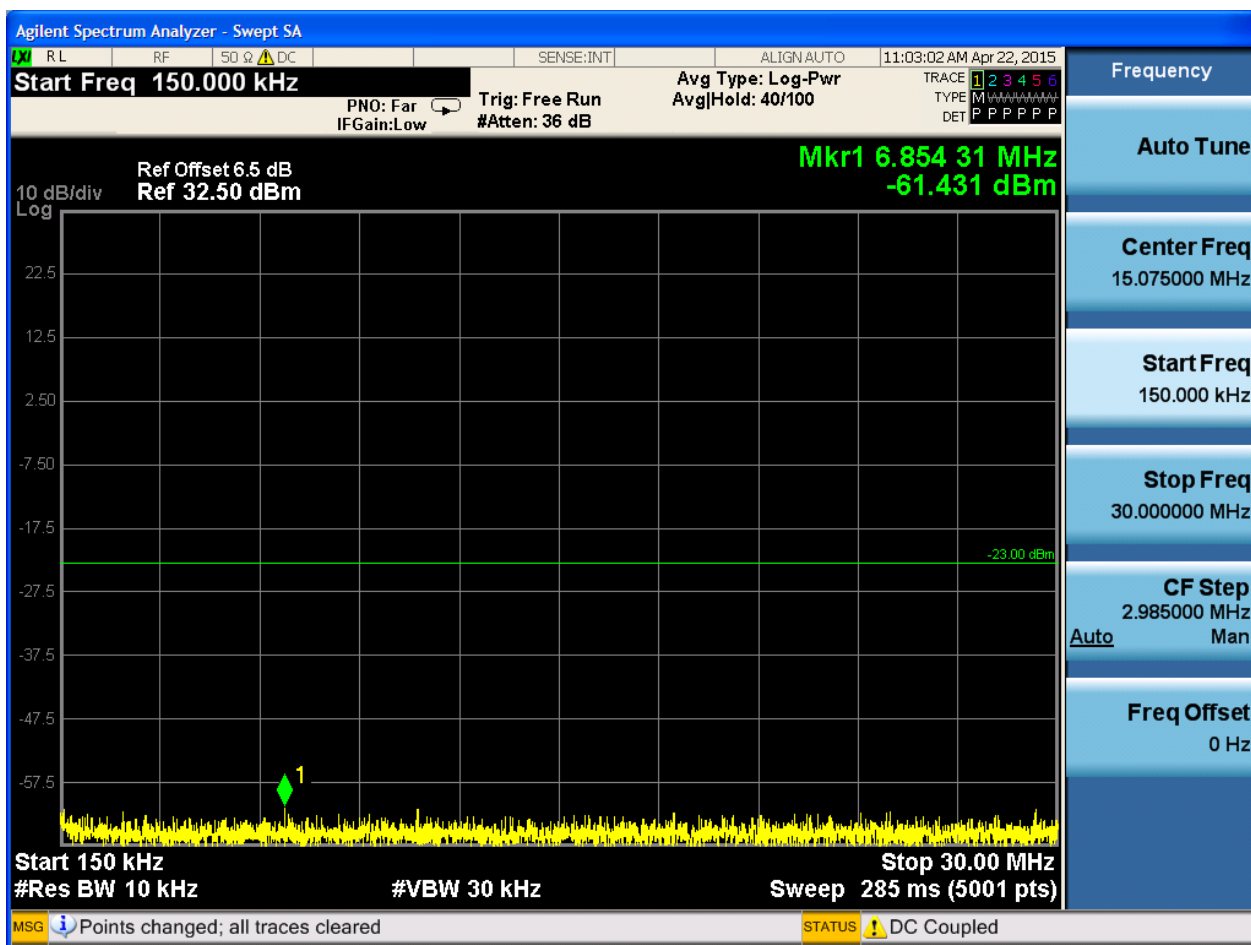


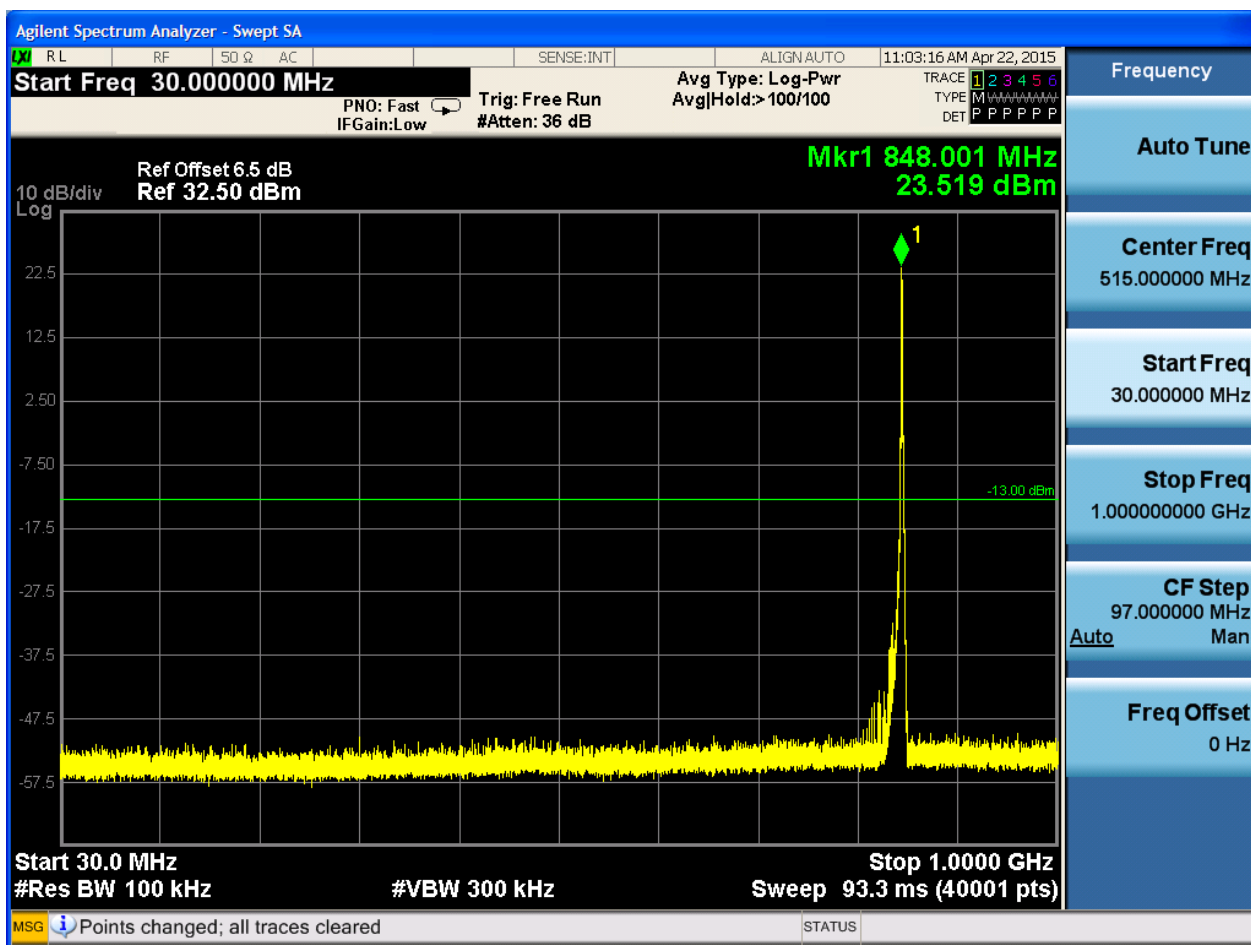


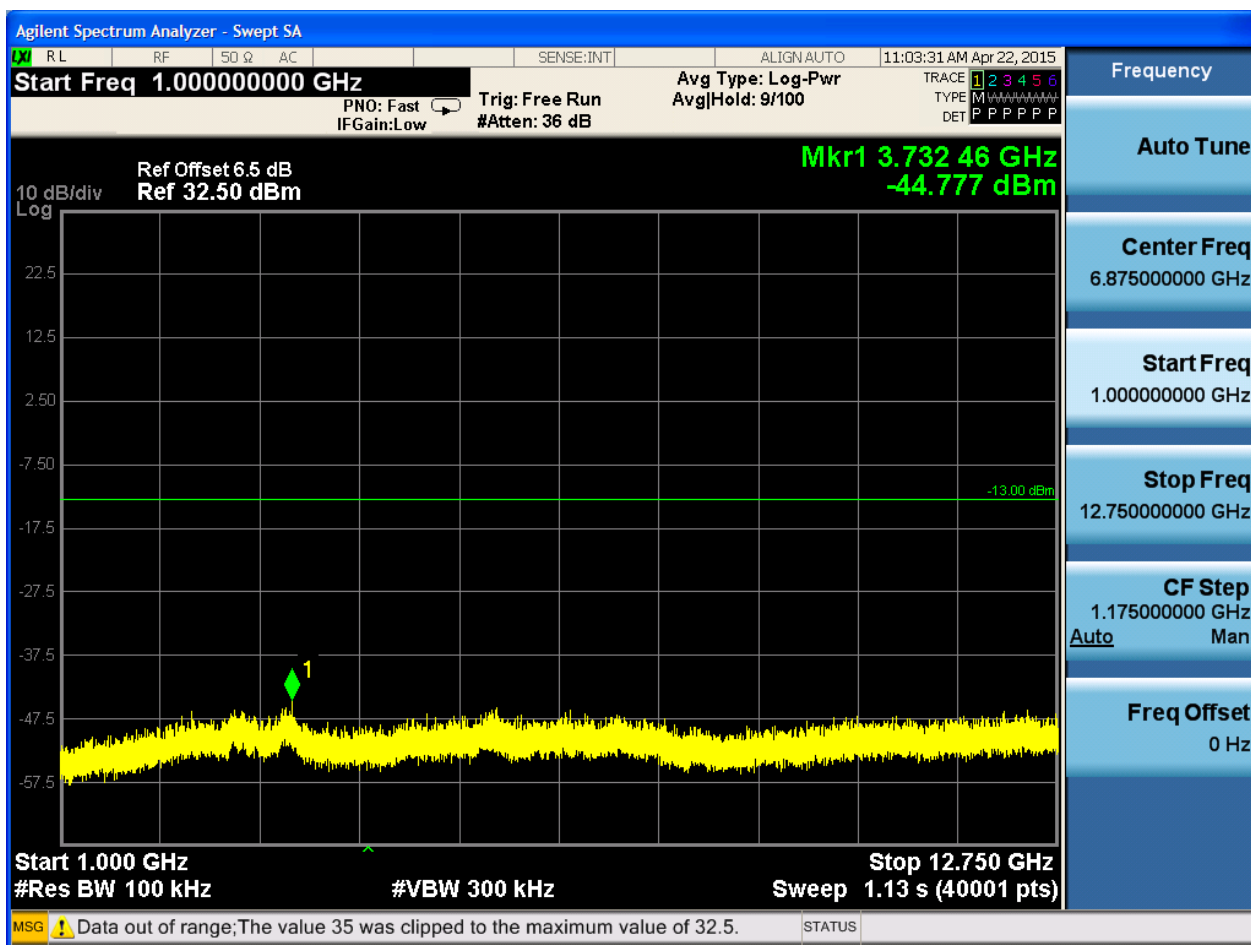


6.1.1.4.3 Test Channel = HCH











6.1.1.5 Test Mode = CDMA/EV-DO/Subtype2/4096

6.1.1.5.1 Test Channel = LCH

