Appendix for test report

1Appendix_B: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	EIRP [dBm]	Limit [dBm]	Verdict
BC10	CDMA/1X/TM1	LCH	24.31	21.24	50	PASS
		MCH	24.42	21.35	50	PASS
		HCH	24.22	21.15	50	PASS
	CDMA/1X/TM3	LCH	24.47	21.4	50	PASS
		MCH	24.39	21.32	50	PASS
		HCH	24.25	21.18	50	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b, SGP=Signal Generator Level

Note2: RBW > emission bandwidth, VBW > 3 x RBW.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results
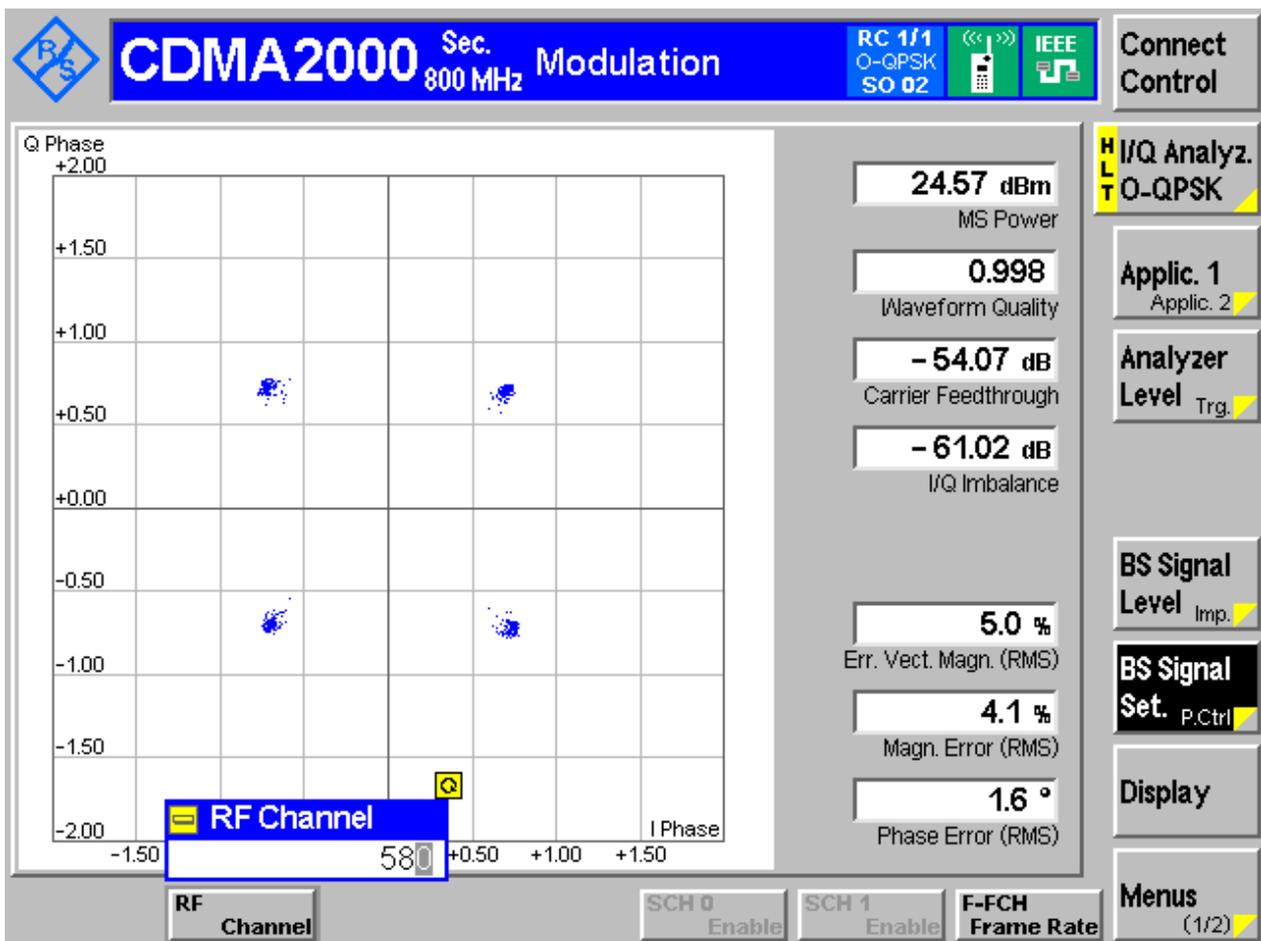
Void

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For CDMA/1X

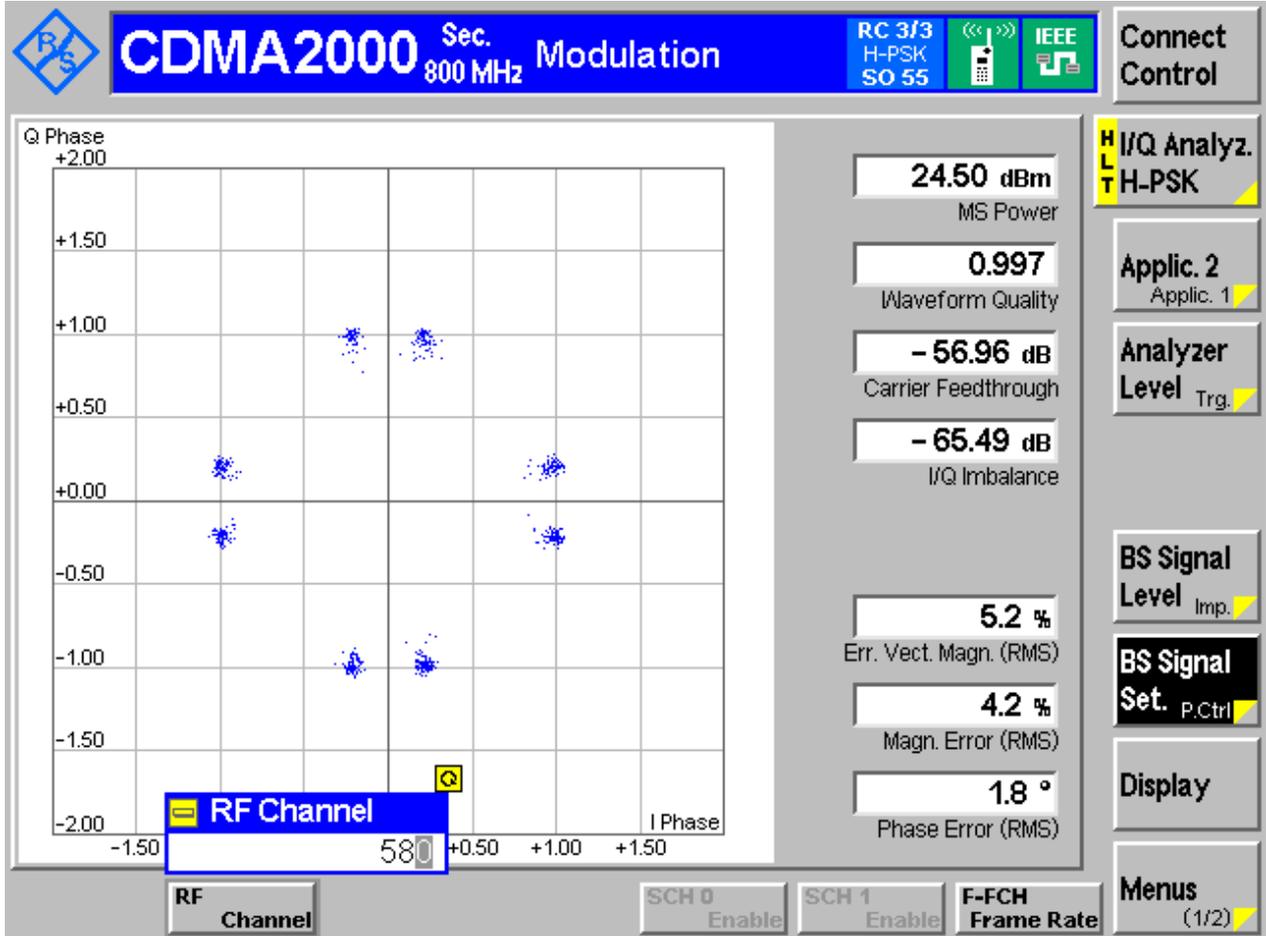**3.1.1 Test Band = BC10**

3.1.1.1 Test Mode = CDMA/1X/TM1
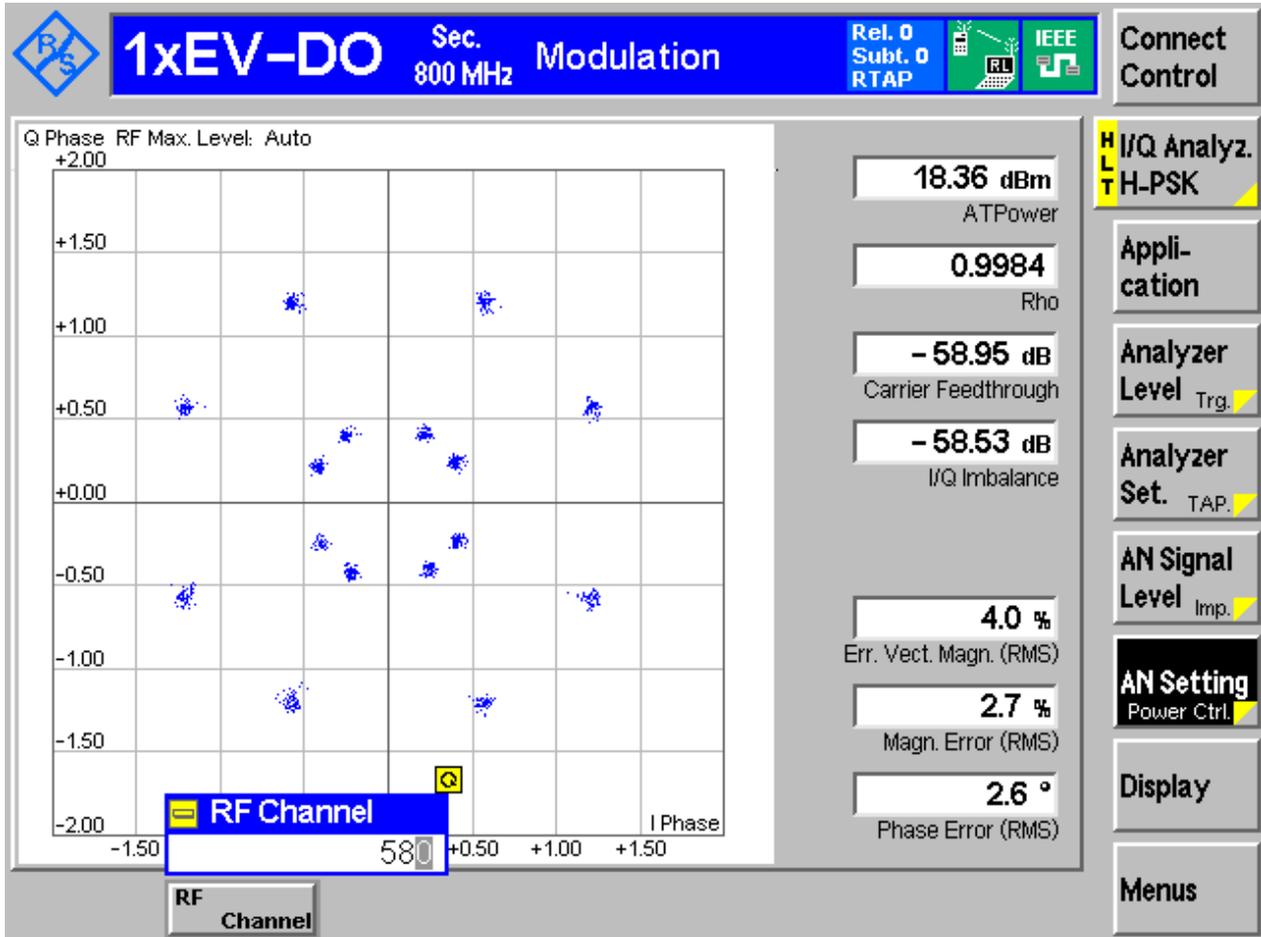
3.1.1.1.1 Test Channel = MCH

3.1.1.2 Test Mode = CDMA/1X/TM3

3.1.1.2.1 Test Channel = MCH
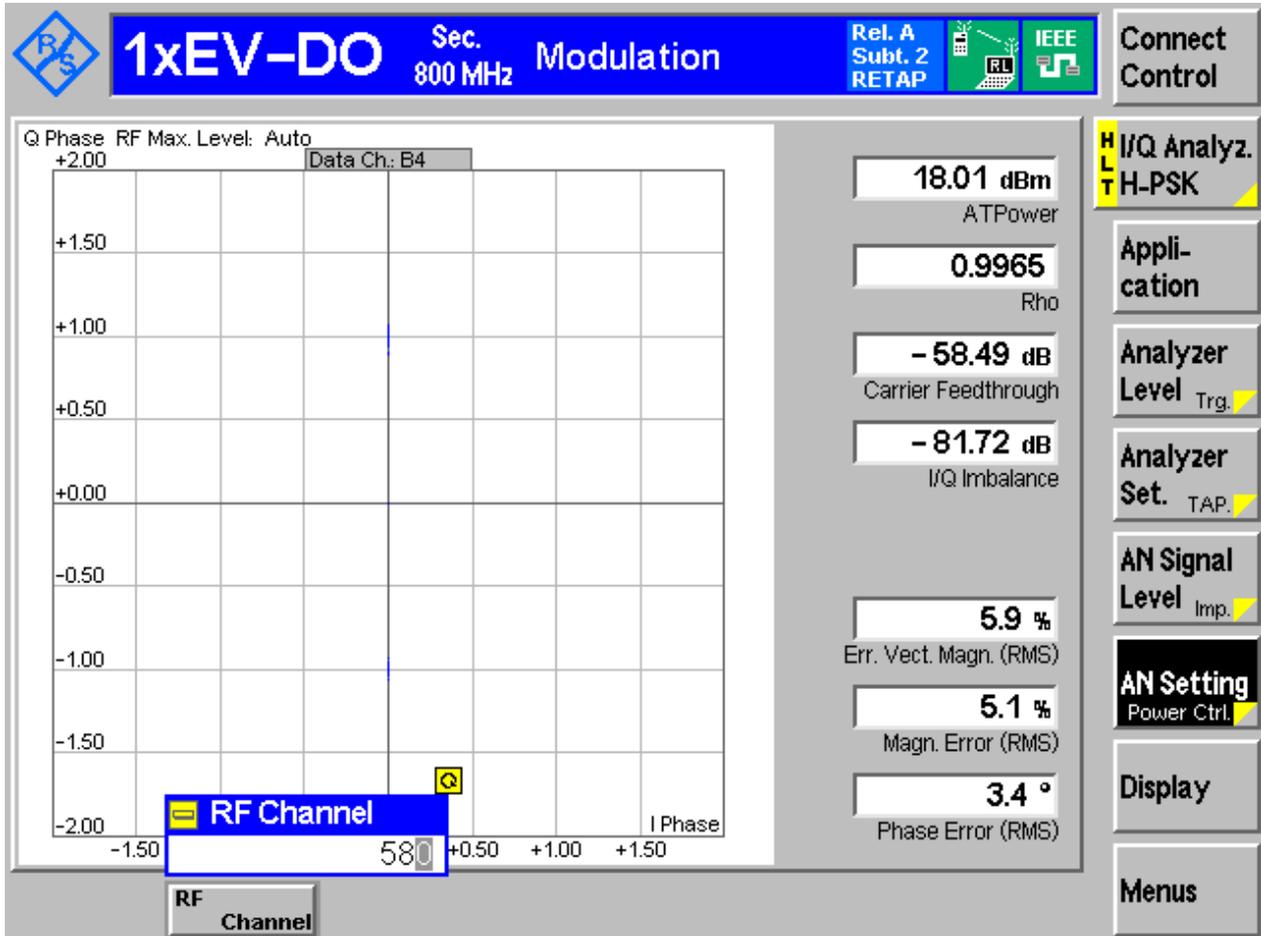
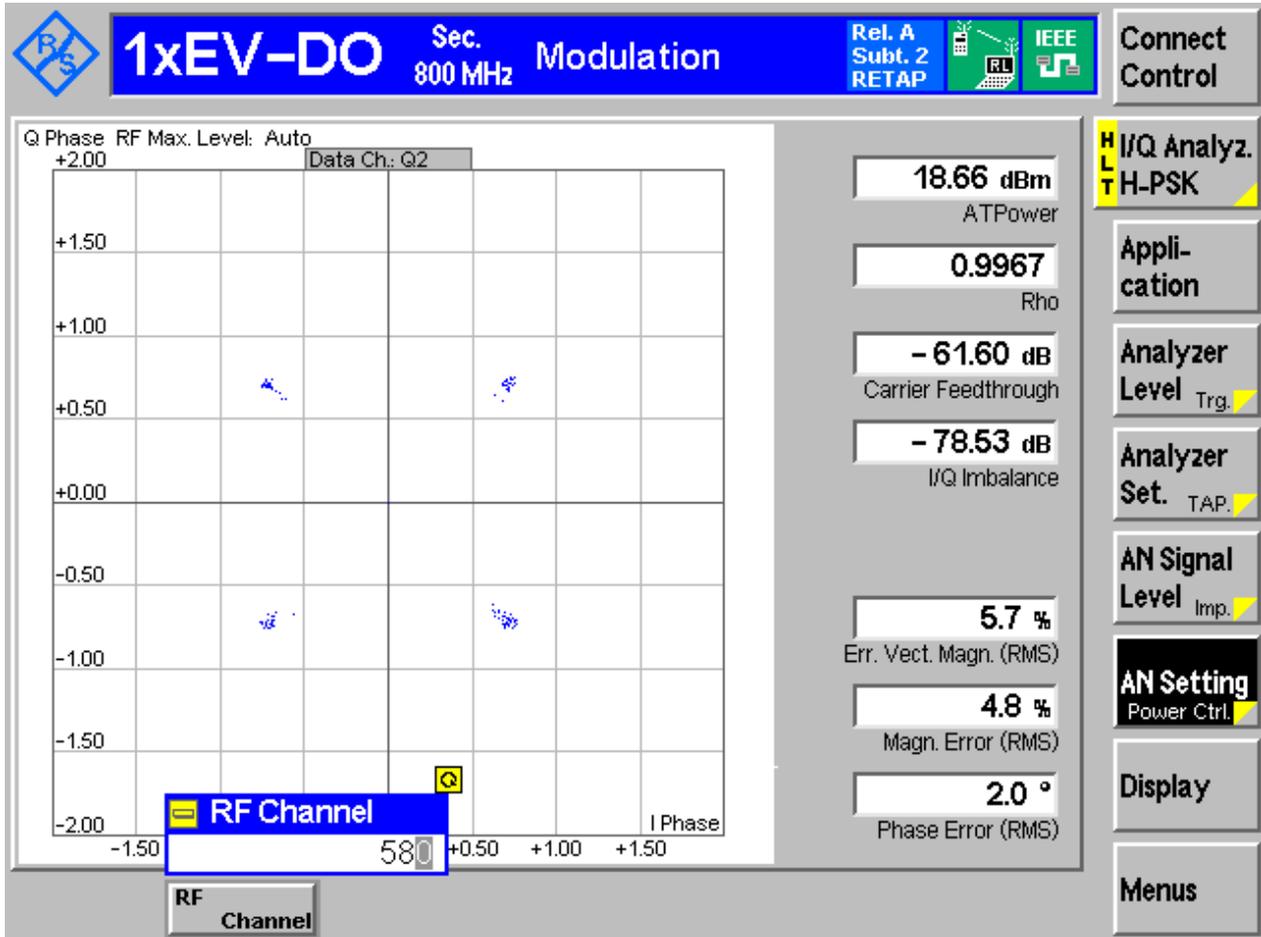### 3.1.1.3Test Mode = CDMA/EV-DO/Subtype0

3.1.1.3.1 Test Channel = MCH

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

3.1.1.4.1 Test Channel = MCH

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

3.1.1.5.1 Test Channel = MCH

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

3.1.1.6.1 Test Channel = MCH
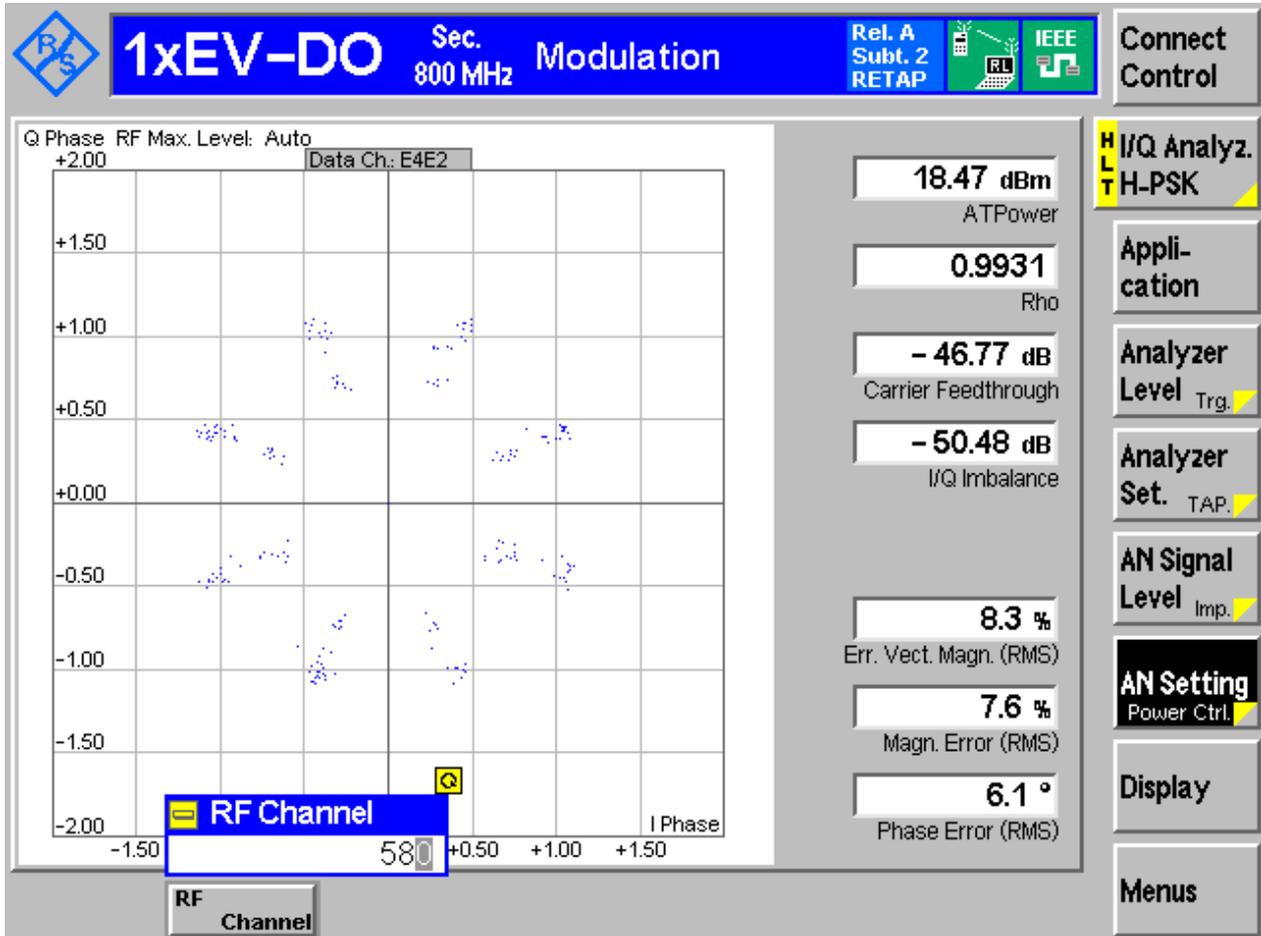
4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BC10	CDMA/1X/TM1	LCH	1.32	1.53	Pass
		MCH	1.32	1.95	Pass
		HCH	1.34	2.40	Pass
	CDMA/1X/TM3	LCH	1.30	1.48	Pass
		MCH	1.29	1.47	Pass
		HCH	1.29	1.48	Pass

Part II - Test Plots

4.1 For CDMA/1X

4.1.1 Test Band = BC10

4.1.1.1 Test Mode = CDMA/1X/TM1

4.1.1.1.1 Test Channel = LCH

4.1.1.1.2 Test Channel = MCH

4.1.1.1.3 Test Channel = HCH

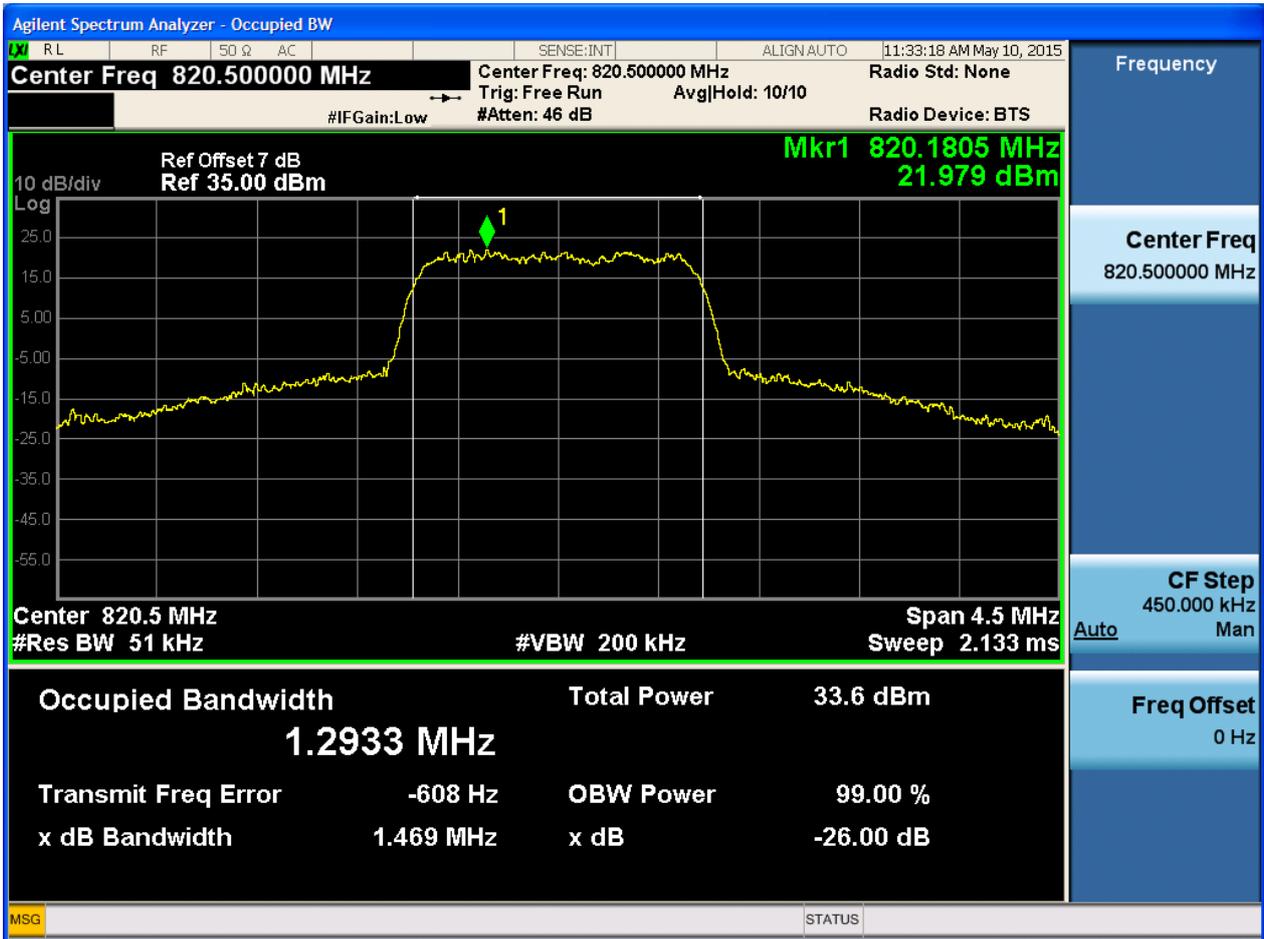| Agilent Spectrum Analyzer - Occupied BW		
		Frequency

```
LXI  R L        RF      50 Ω   AC              SENSE:INT           ALIGN AUTO    11:31:47 AM May 10, 2015
Center Freq 823.100000 MHz          Center Freq: 823.100000 MHz      Radio Std: None              Frequency
                                    Trig: Free Run      Avg|Hold:> 10/10
                       #IFGain:Low   #Atten: 46 dB                   Radio Device: BTS

              Ref Offset 7 dB                                Mkr1  822.767 MHz         Center Freq
10 dB/div     Ref 42.00 dBm                                       21.427 dBm          823.100000 MHz
Log
 32.0                                      1
 22.0
 12.0
 2.00
-8.00
-18.0
-28.0
-38.0
-48.0
Center  823.1 MHz                                            Span 4.5 MHz      CF Step
#Res BW  51 kHz                    #VBW  200 kHz             Sweep  2.133 ms   450.000 kHz
                                                                          Auto        Man

Occupied Bandwidth            Total Power        33.2 dBm
      1.3396 MHz                                                    Freq Offset
                                                                      0 Hz
Transmit Freq Error   -4.831 kHz   OBW Power       99.00 %
x dB Bandwidth        2.395 MHz    x dB           -26.00 dB

MSG                                              STATUS
```

4.1.1.2 Test Mode = CDMA/1X/TM3

4.1.1.2.1 Test Channel = LCH

4.1.1.2.2 Test Channel = MCH

Agilent Spectrum Analyzer - Occupied BW

Center Freq 820.500000 MHz	Center Freq: 820.500000 MHz — Radio Std: None
	Trig: Free Run — Avg|Hold: 10/10
#IFGain:Low	#Atten: 46 dB — Radio Device: BTS

Mkr1 820.1805 MHz
21.979 dBm

Ref Offset 7 dB
Ref 35.00 dBm
10 dB/div
Log

Center 820.5 MHz
#Res BW 51 kHz
#VBW 200 kHz
Span 4.5 MHz
Sweep 2.133 ms

Occupied Bandwidth		Total Power	33.6 dBm
1.2933 MHz			
Transmit Freq Error	-608 Hz	OBW Power	99.00 %
x dB Bandwidth	1.469 MHz	x dB	-26.00 dB

Frequency

Center Freq
820.500000 MHz

CF Step
450.000 kHz
Auto   Man

Freq Offset
0 Hz

4.1.1.2.3 Test Channel = HCH

Agilent Spectrum Analyzer - Occupied BW

Center Freq 823.100000 MHz	

Ref Offset 7 dB
Ref 35.00 dBm
10 dB/div
Log

Mkr1 823.4285 MHz
23.005 dBm

Center 823.1 MHz
#Res BW 51 kHz
#VBW 200 kHz
Span 4.5 MHz
Sweep 2.133 ms

SENSE:INT   ALIGN AUTO   11:33:37 AM May 10, 2015
Center Freq: 823.100000 MHz   Radio Std: None
Trig: Free Run   Avg|Hold: 10/10
#Atten: 46 dB   Radio Device: BTS
#IFGain:Low

Occupied Bandwidth		Total Power	33.5 dBm
1.2949 MHz			
Transmit Freq Error	-1.207 kHz	OBW Power	99.00 %
x dB Bandwidth	1.480 MHz	x dB	-26.00 dB

Frequency

Center Freq
823.100000 MHz

CF Step
450.000 kHz
Auto   Man

Freq Offset
0 Hz

4.1.1.3 Test Mode = CDMA/EV-DO/Subtype0
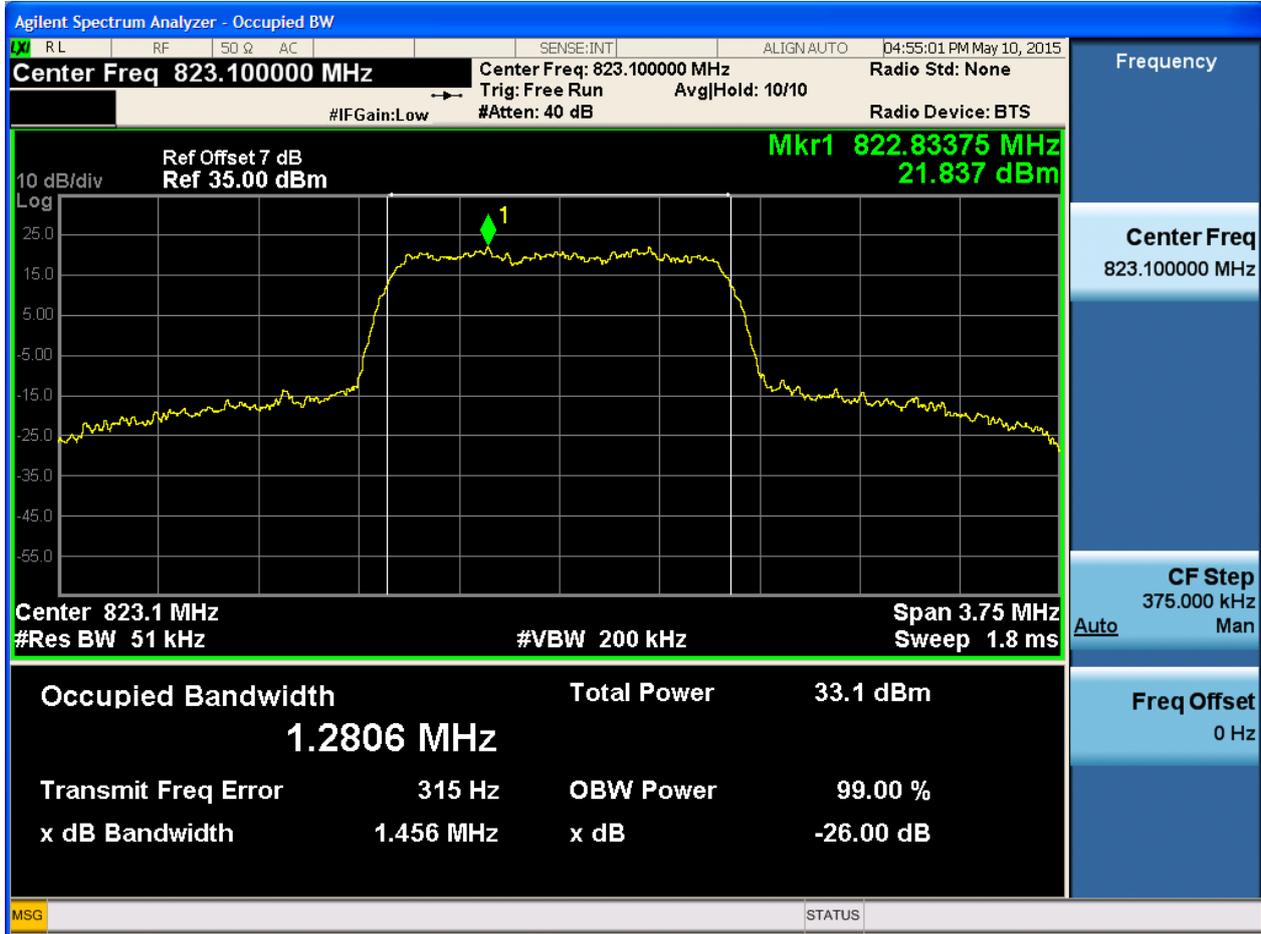
4.1.1.3.1 Test Channel = LCH
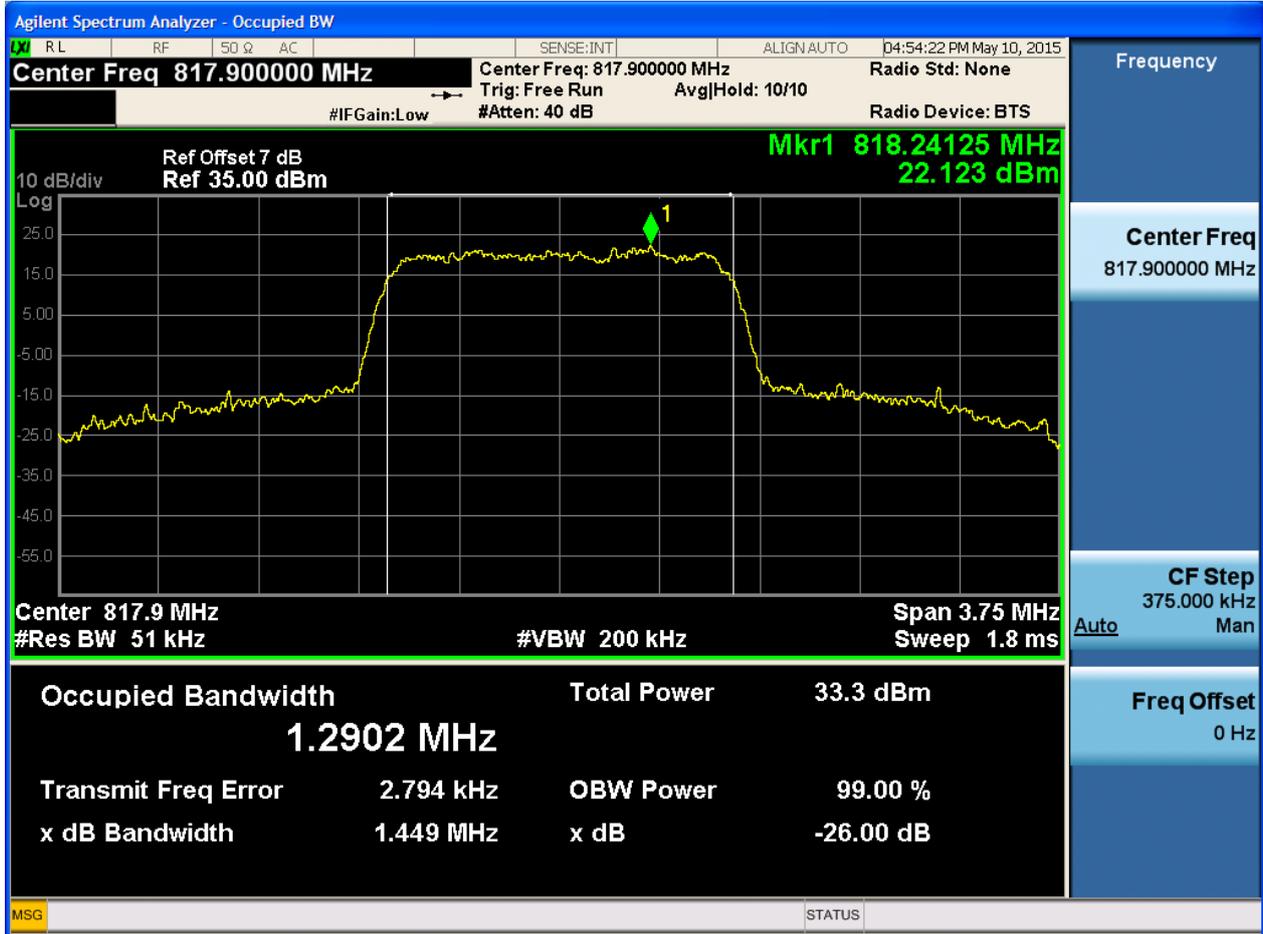
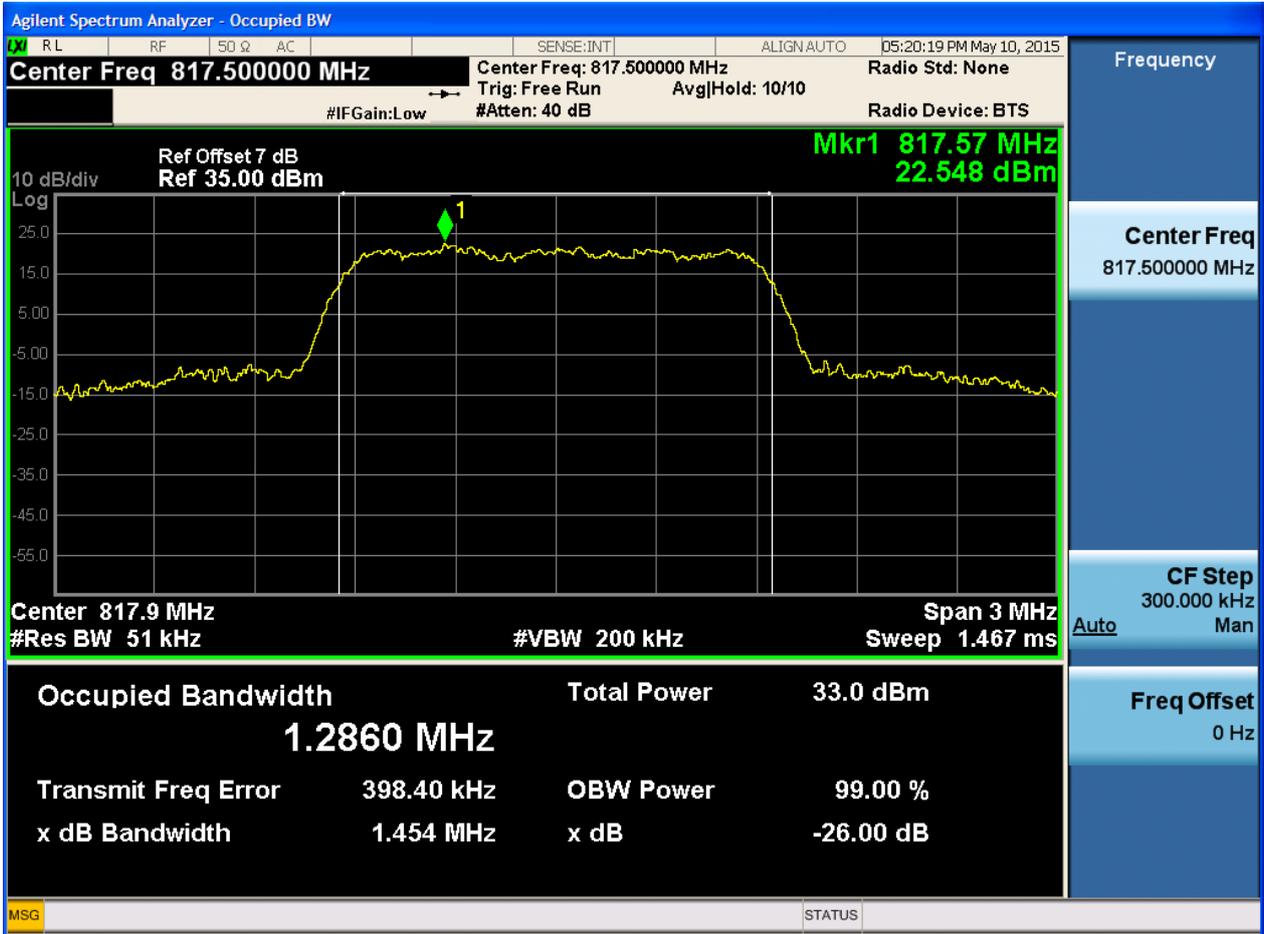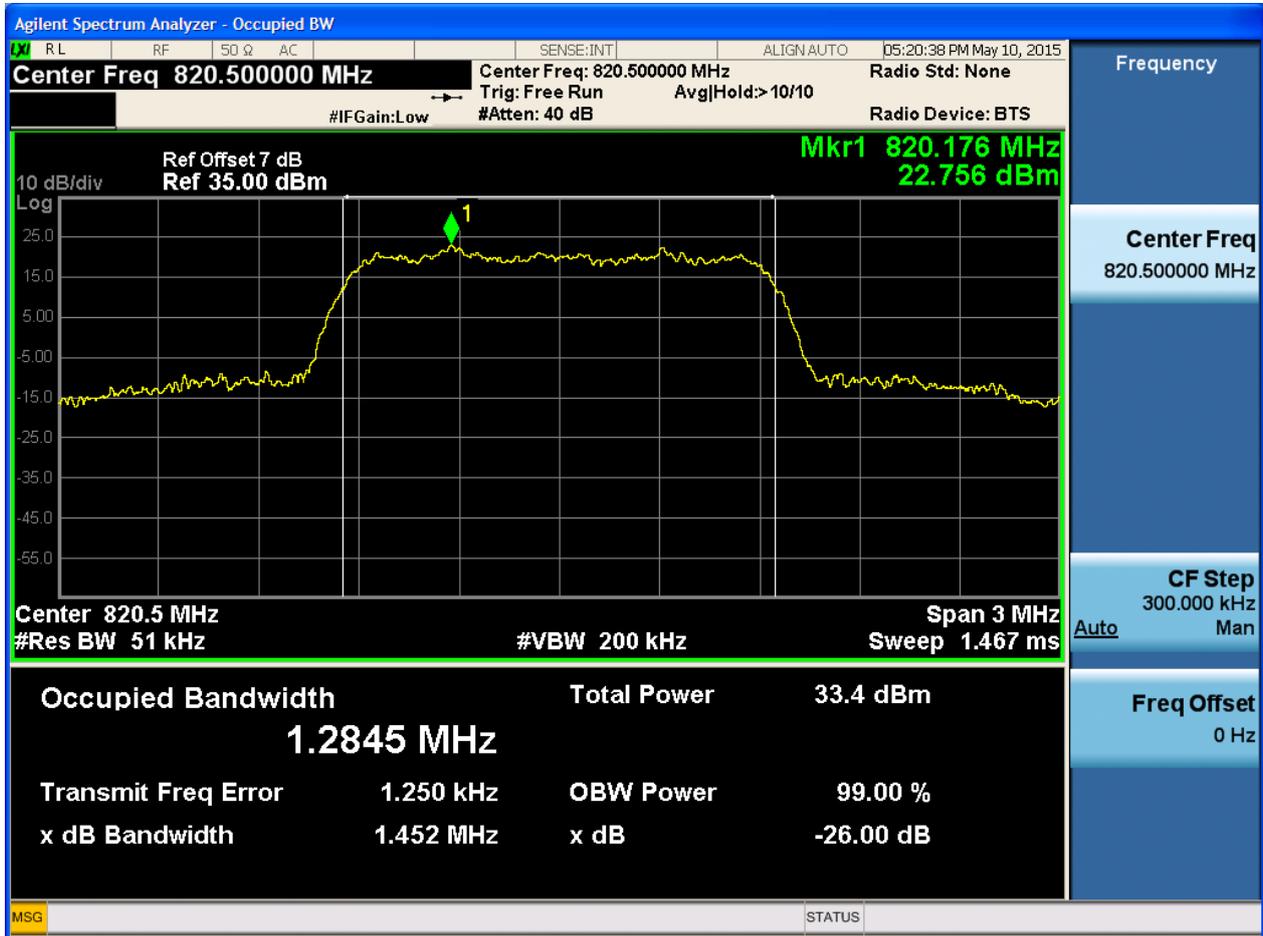## 4.1.1.3.2 Test Channel = MCH
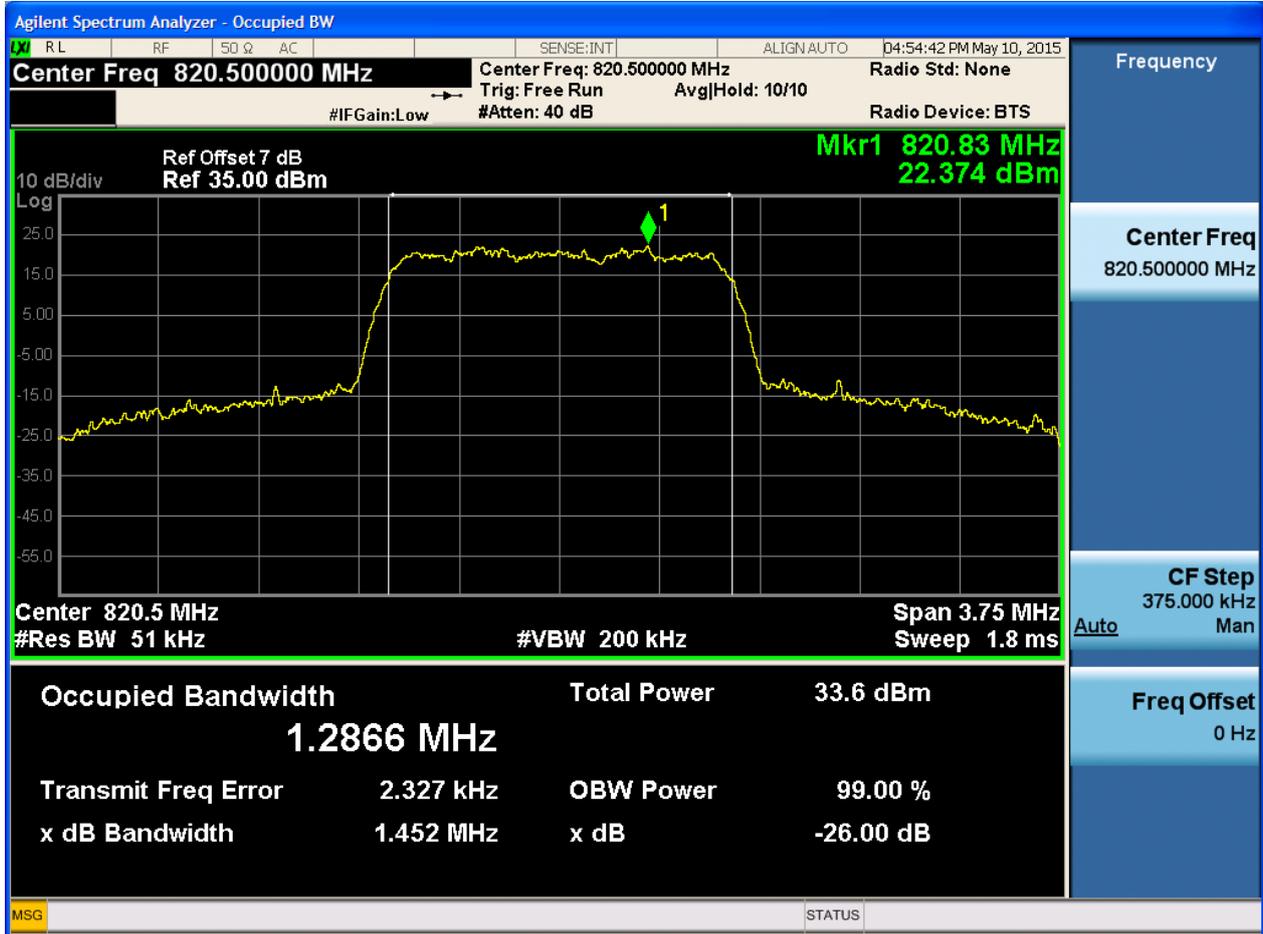
4.1.1.3.3 Test Channel = HCH

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

4.1.1.4.1 Test Channel = LCH

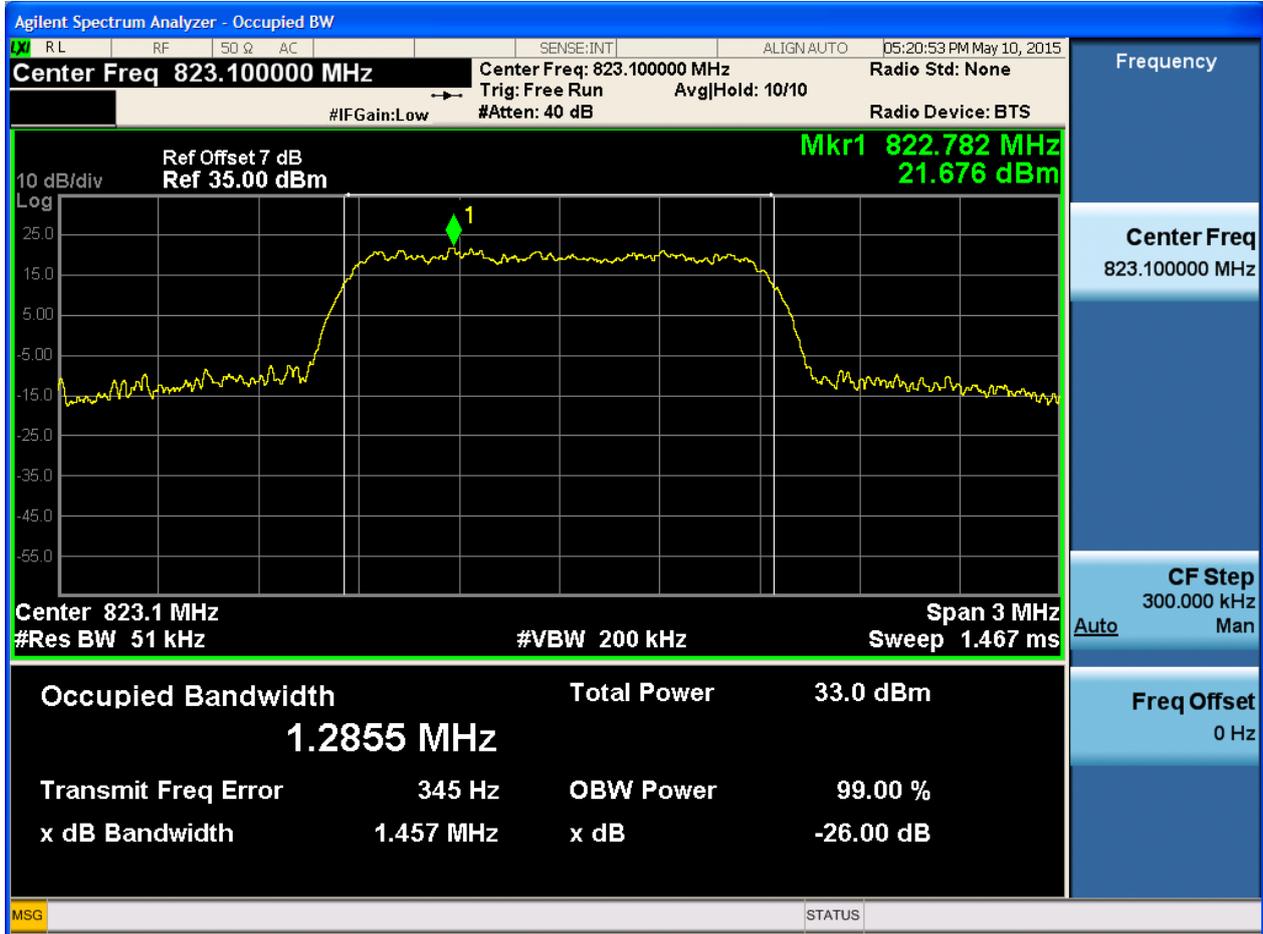## 4.1.1.4.2 Test Channel = MCH
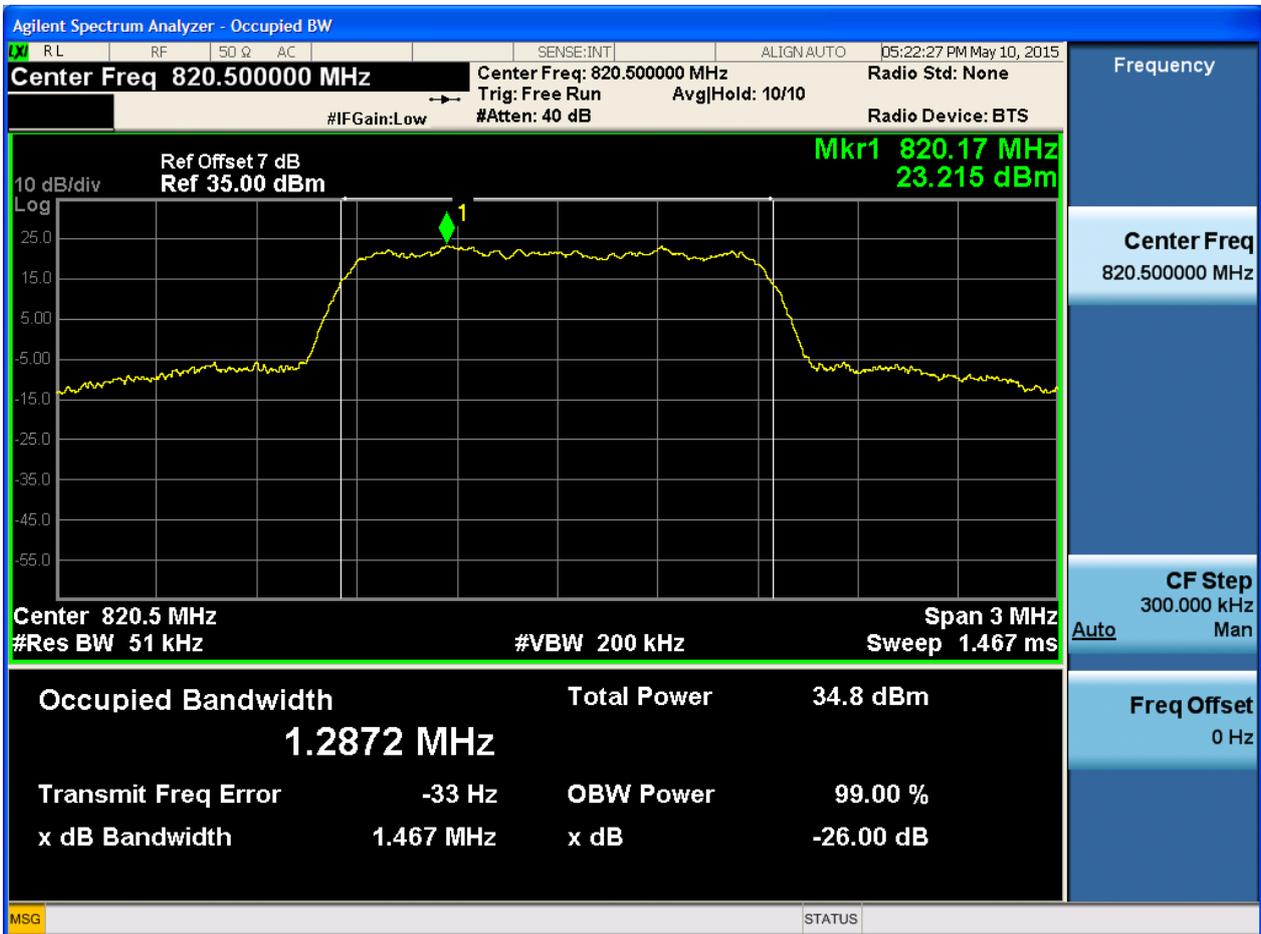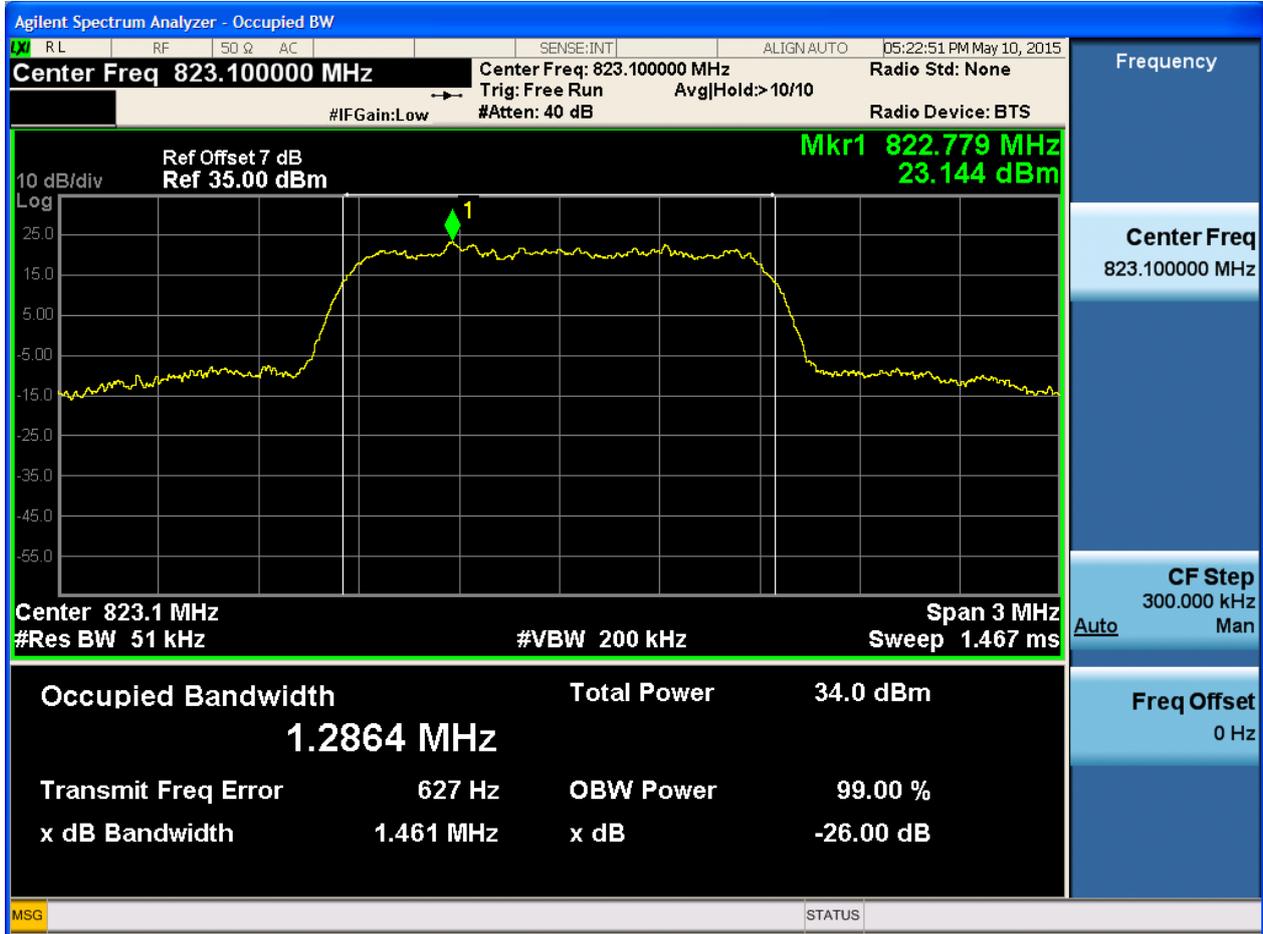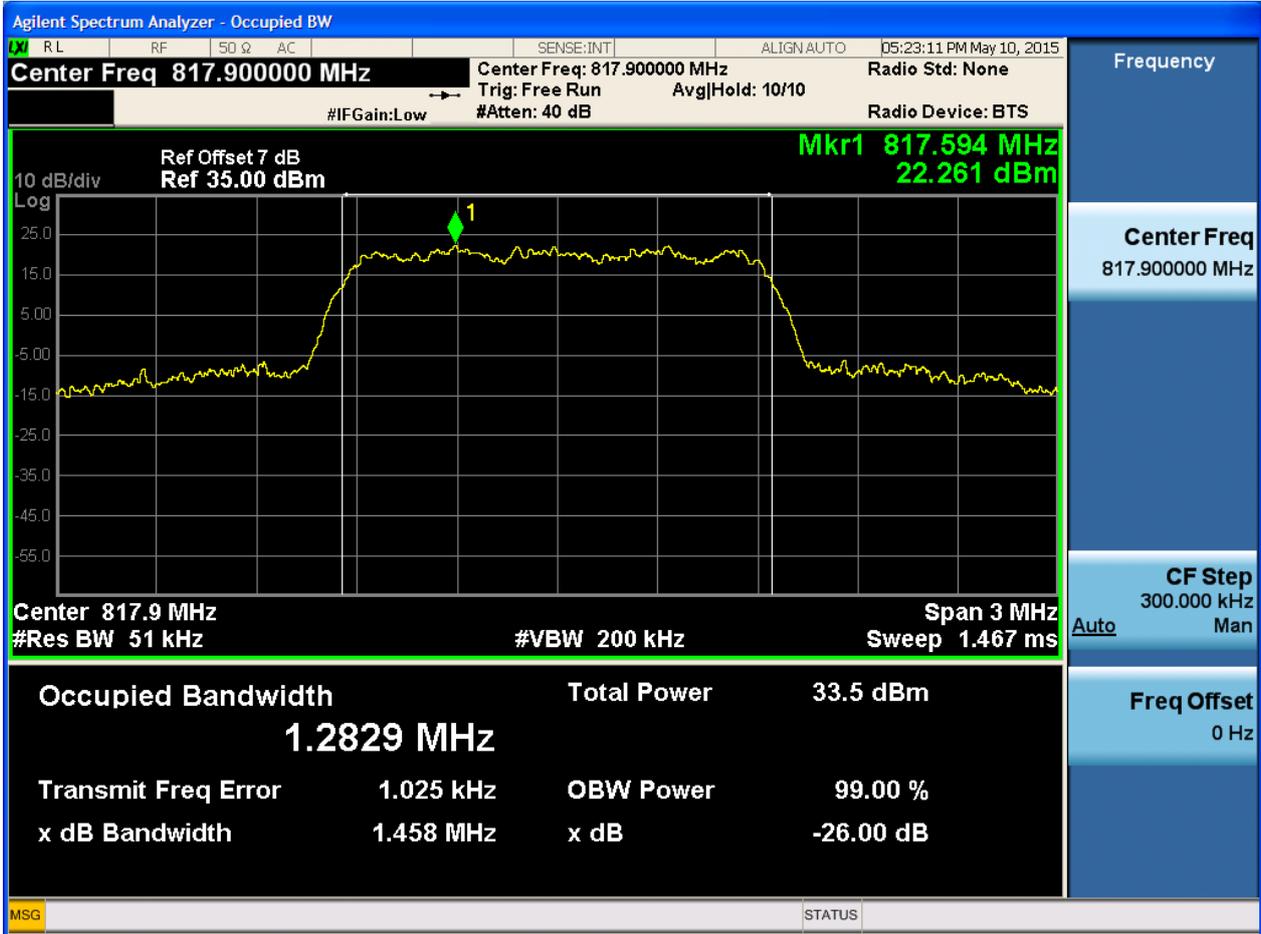
4.1.1.4.3 Test Channel = HCH

Agilent Spectrum Analyzer - Occupied BW		
Center Freq 823.100000 MHz Center Freq: 823.100000 MHz Radio Std: None		

Occupied Bandwidth **1.2855 MHz**

Total Power	33.0 dBm	
Transmit Freq Error	345 Hz	OBW Power	99.00 %
x dB Bandwidth	1.457 MHz	x dB	-26.00 dB

Mkr1 822.782 MHz 21.676 dBm

Ref Offset 7 dB Ref 35.00 dBm

Center 823.1 MHz Span 3 MHz
#Res BW 51 kHz #VBW 200 kHz Sweep 1.467 ms

Frequency — Center Freq 823.100000 MHz — CF Step 300.000 kHz Auto Man — Freq Offset 0 Hz

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

4.1.1.5.1 Test Channel = LCH

4.1.1.5.2 Test Channel = MCH

Agilent Spectrum Analyzer - Occupied BW

Center Freq 820.500000 MHz	Center Freq: 820.500000 MHz	Radio Std: None
	Trig: Free Run Avg|Hold: 10/10	
#IFGain:Low	#Atten: 40 dB	Radio Device: BTS

Ref Offset 7 dB
Ref 35.00 dBm
10 dB/div
Log

Mkr1 820.17 MHz
23.215 dBm

Center 820.5 MHz   Span 3 MHz
#Res BW 51 kHz   #VBW 200 kHz   Sweep 1.467 ms

Occupied Bandwidth		Total Power	34.8 dBm
1.2872 MHz			
Transmit Freq Error	-33 Hz	OBW Power	99.00 %
x dB Bandwidth	1.467 MHz	x dB	-26.00 dB

Frequency

Center Freq
820.500000 MHz

CF Step
300.000 kHz
Auto   Man

Freq Offset
0 Hz

MSG   STATUS

4.1.1.5.3 Test Channel = HCH

Agilent Spectrum Analyzer - Occupied BW		
Occupied Bandwidth	**Total Power**	34.0 dBm
1.2864 MHz		
Transmit Freq Error 627 Hz	**OBW Power**	99.00 %
x dB Bandwidth 1.461 MHz	**x dB**	-26.00 dB

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

4.1.1.6.1 Test Channel = LCH

4.1.1.6.2 Test Channel = MCH
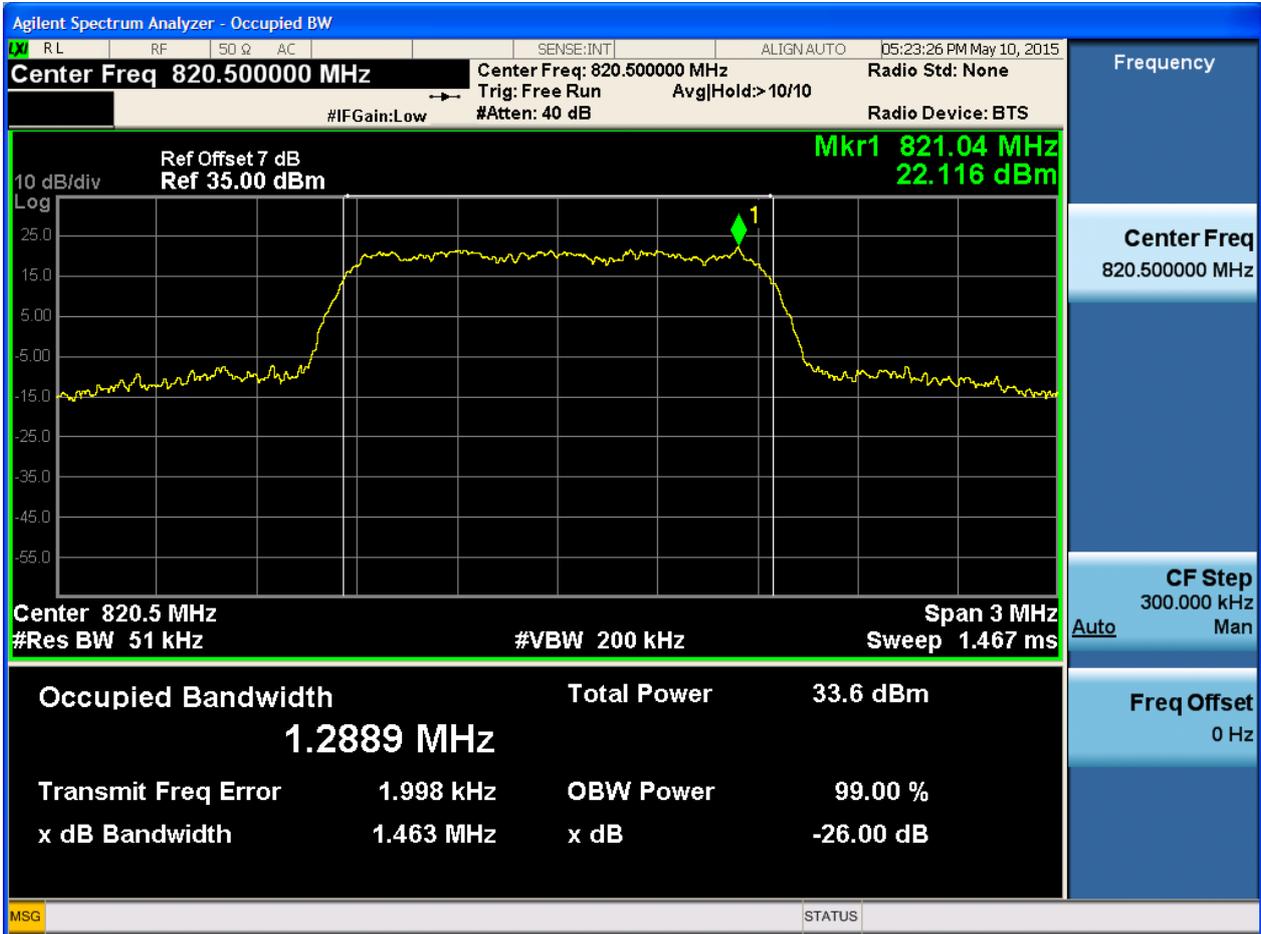
4.1.1.6.3 Test Channel = HCH
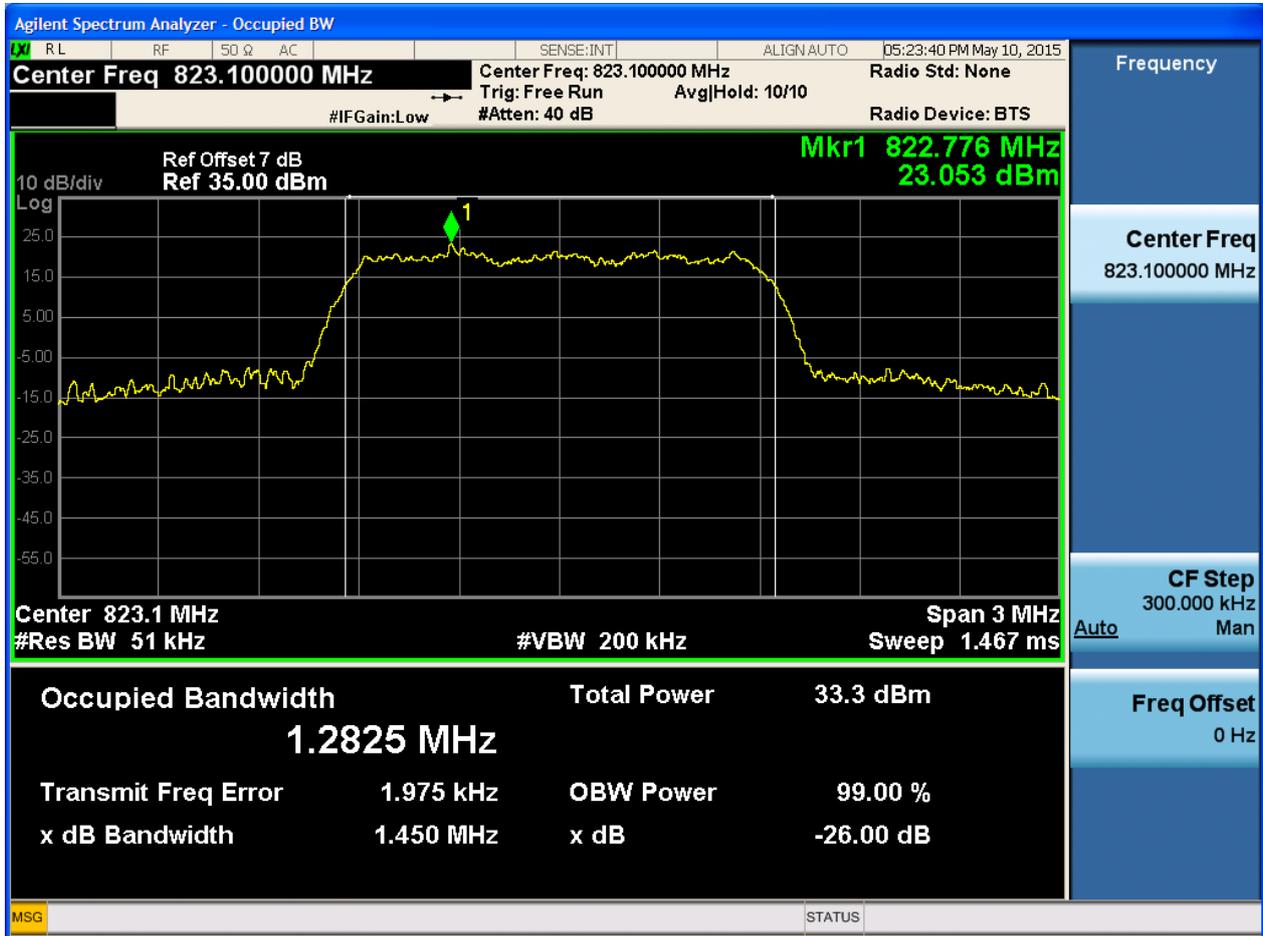
5Appendix_E: Band Edges Compliance

Part I - Test Plots
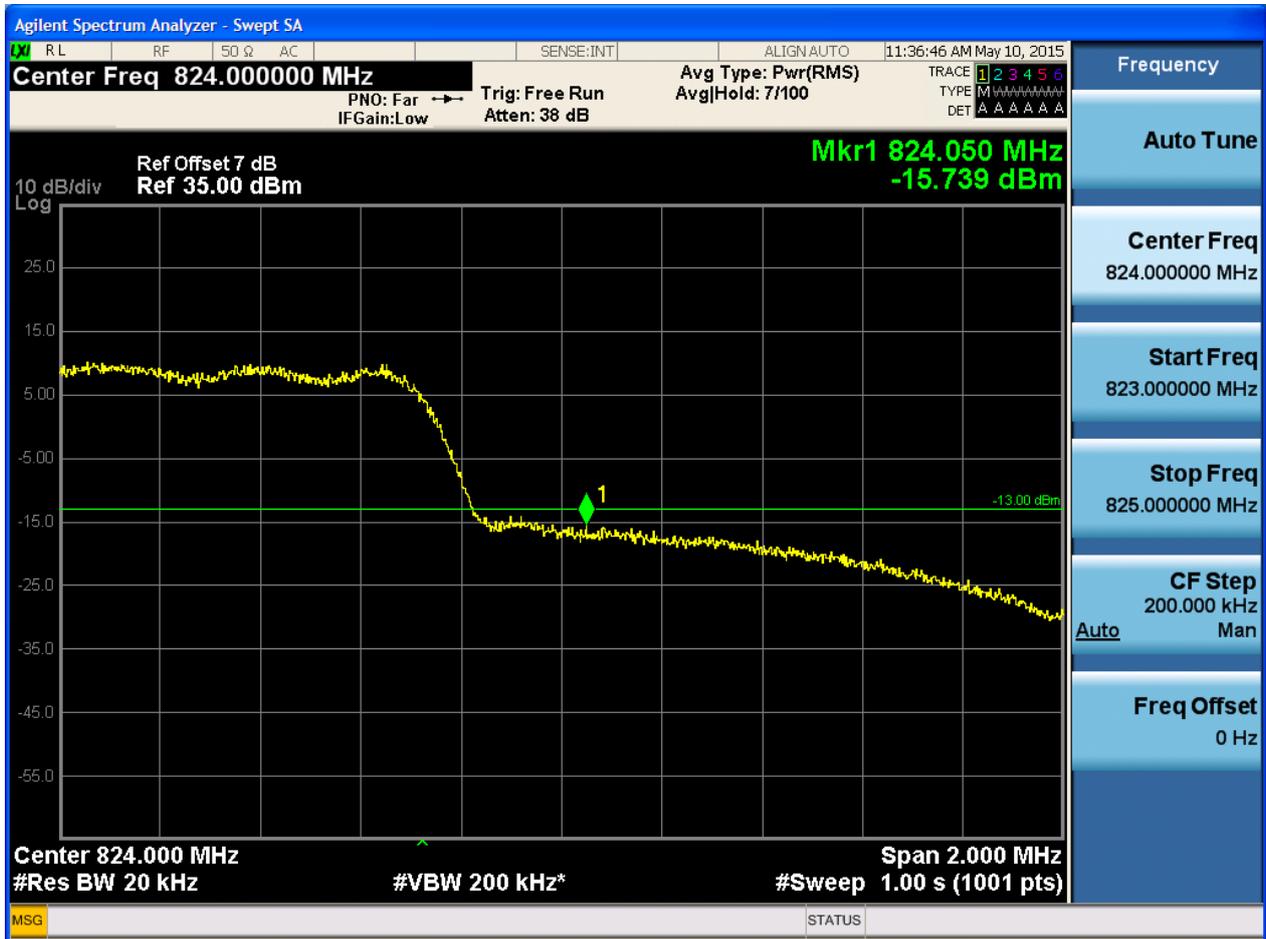
5.1 For CDMA/1X

5.1.1 Test Band = BC10

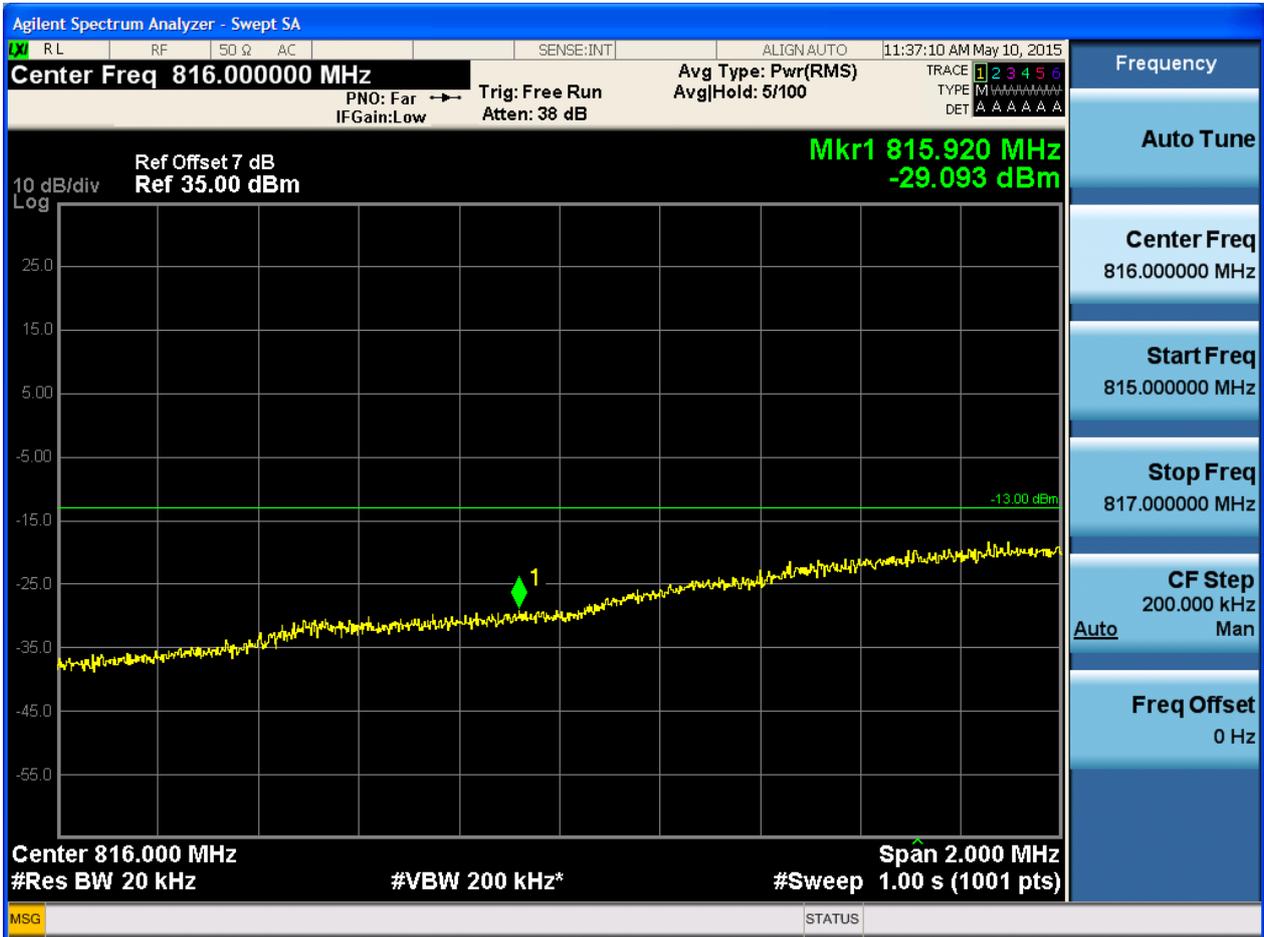**5.1.1.1 Test Mode = CDMA/1X/TM1**

5.1.1.1.1 Test Channel = LCH
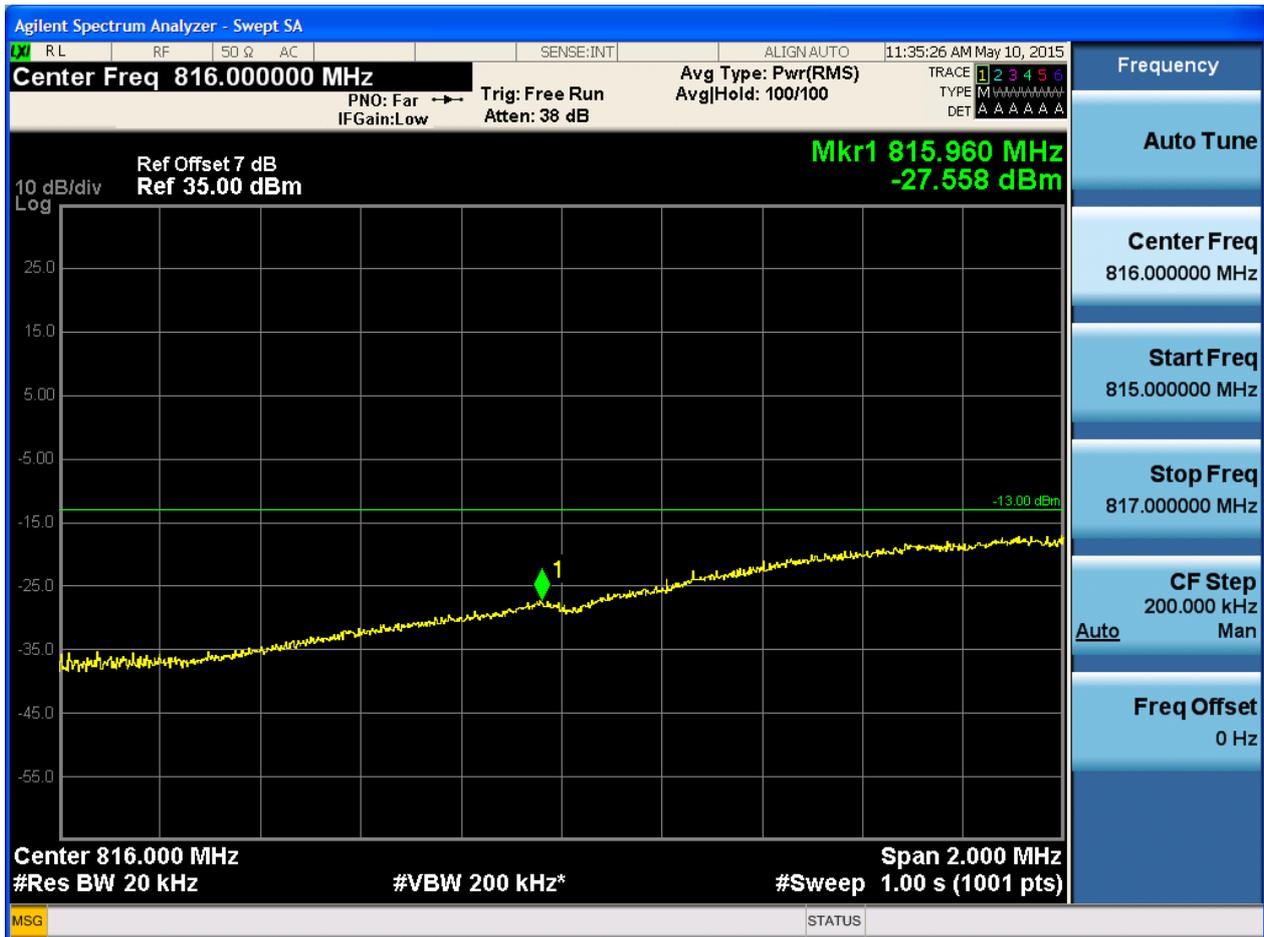
5.1.1.1.2 Test Channel = HCH

5.1.1.2 Test Mode = CDMA/1X/TM3

5.1.1.2.1 Test Channel = LCH

5.1.1.2.2 Test Channel = HCH

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

5.1.1.4.2 Test Channel = HCH

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

5.1.1.5.1 Test Channel = LCH

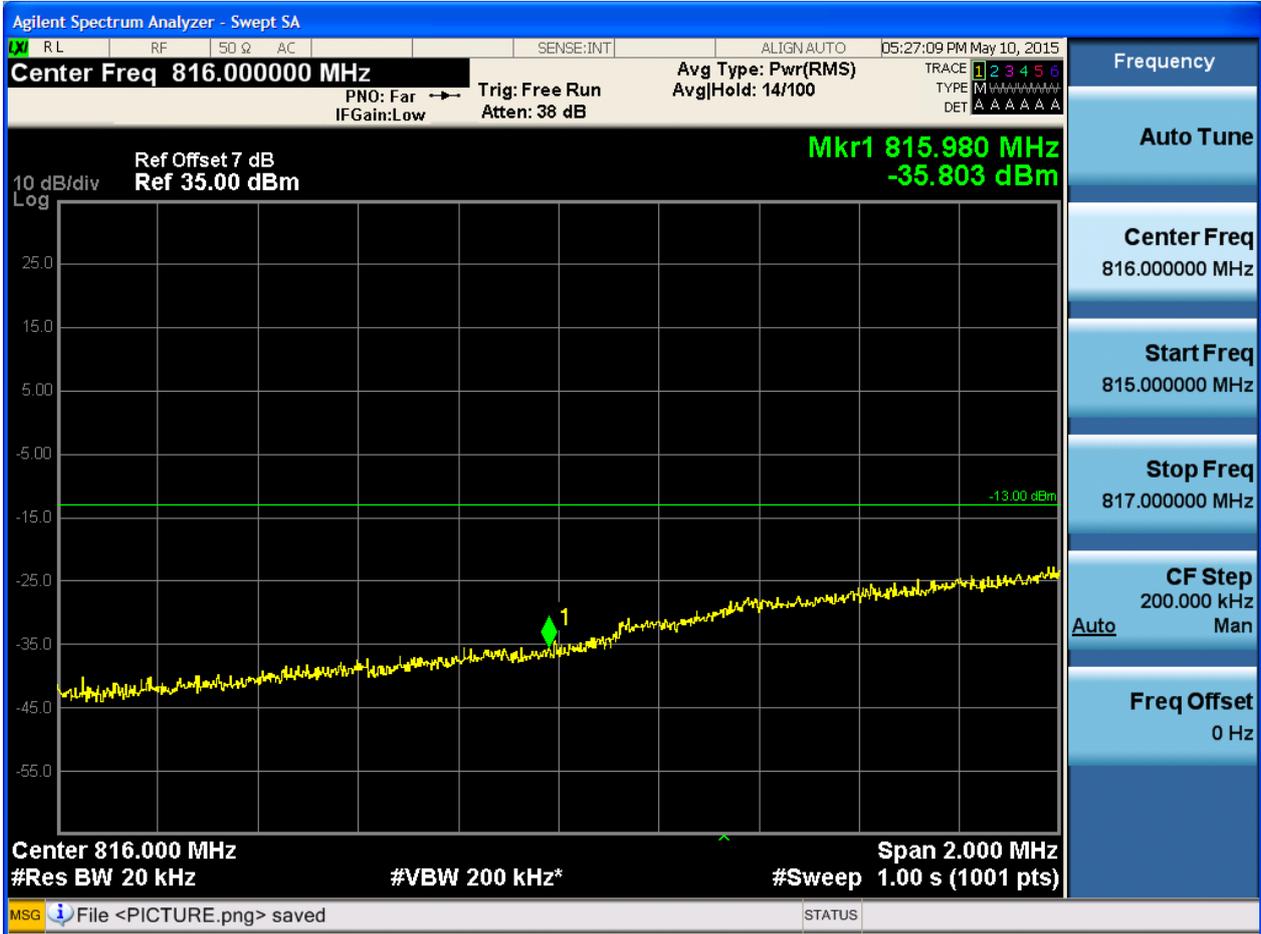## 5.1.1.5.2 Test Channel = HCH

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

5.1.1.6.1 Test Channel = LCH

5.1.1.6.2 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.
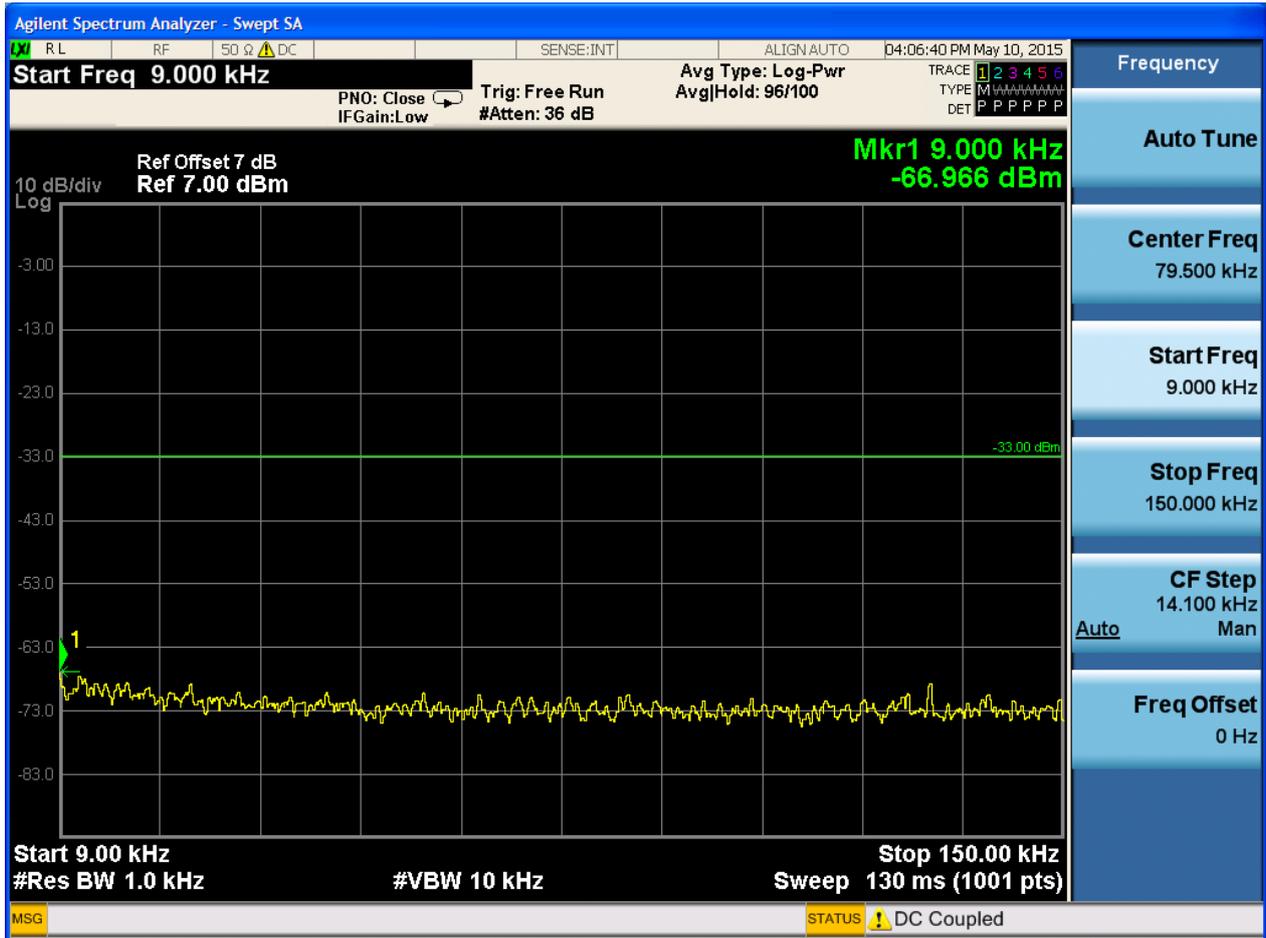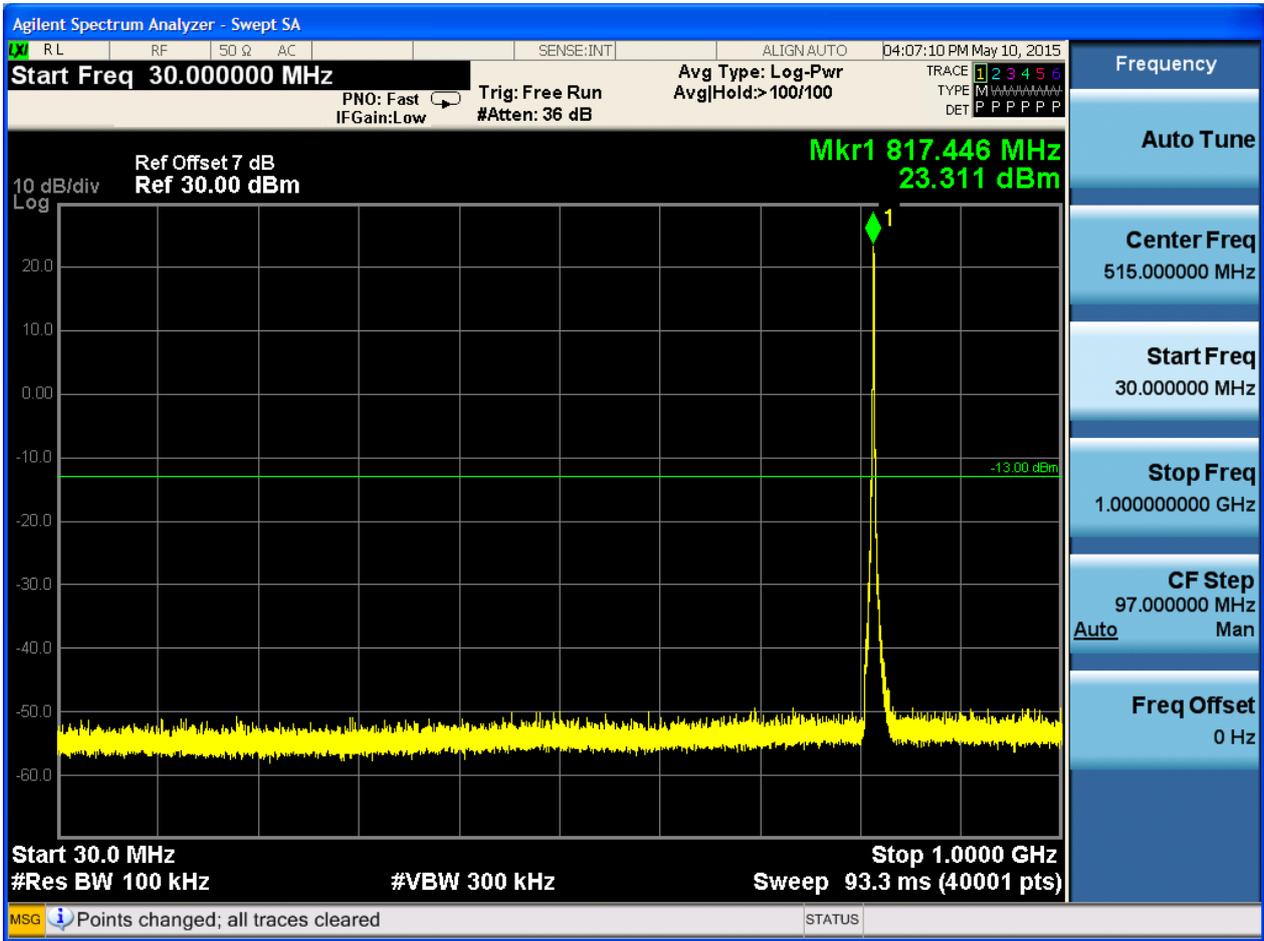
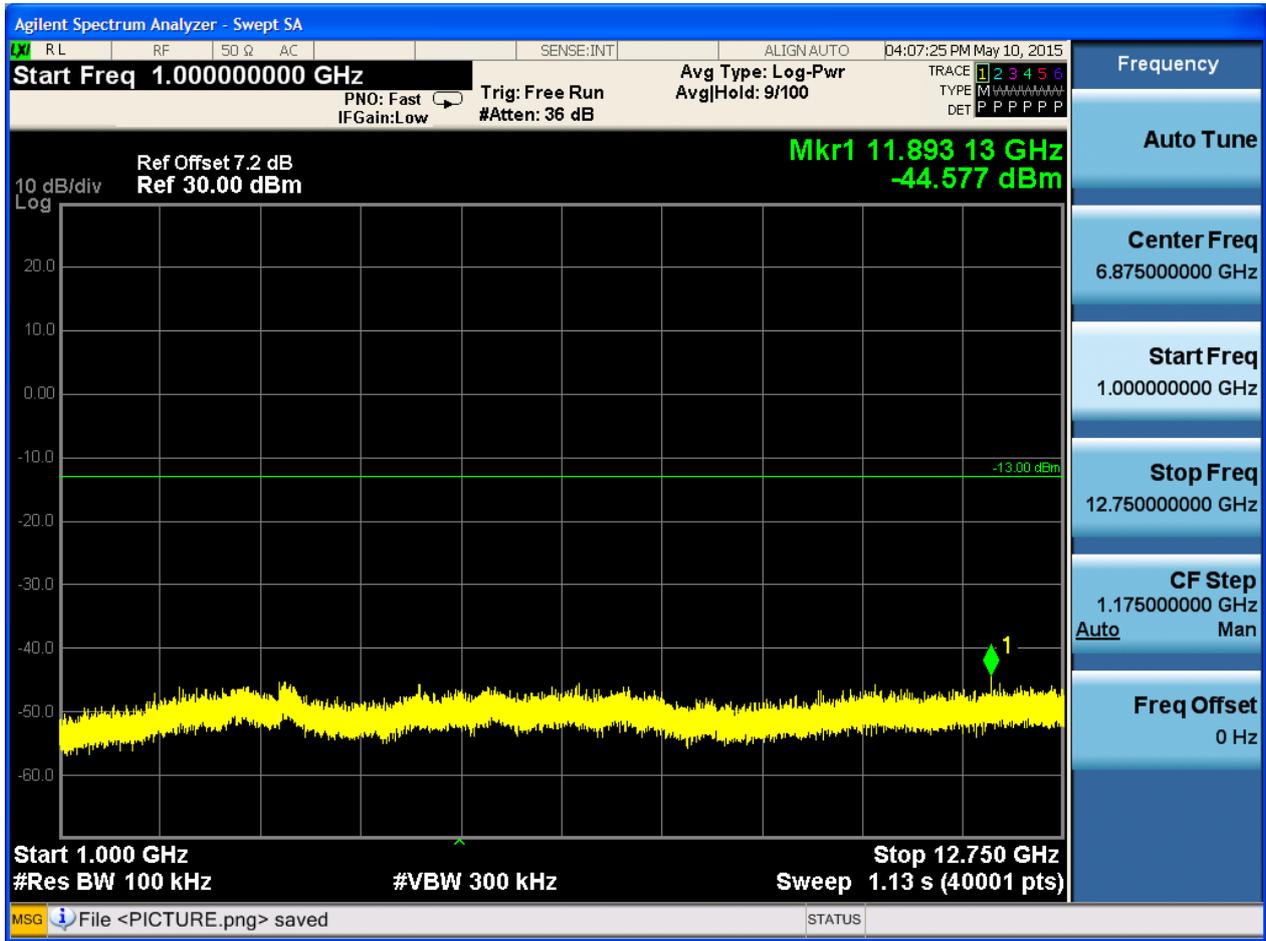**Part I - Test Plots**

6.1 For CDMA/1X

6.1.1 Test Band = BC10

6.1.1.1 Test Mode = CDMA/1X/TM1

6.1.1.1.1 Test Channel = LCH

Agilent Spectrum Analyzer - Swept SA

R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   04:07:10 PM May 10, 2015

Start Freq 30.000000 MHz

PNO: Fast   Trig: Free Run   Avg Type: Log-Pwr   TRACE 1 2 3 4 5 6
IFGain:Low   #Atten: 36 dB   Avg|Hold:> 100/100   TYPE M WWWWWWW
                                                        DET P P P P P P

Frequency

Auto Tune

Center Freq
515.000000 MHz

Ref Offset 7 dB
10 dB/div **Ref 30.00 dBm**
Log

Mkr1 817.446 MHz
23.311 dBm

20.0

10.0

0.00

-10.0   -13.00 dBm

-20.0

-30.0

-40.0

-50.0

-60.0

Start Freq
30.000000 MHz

Stop Freq
1.000000000 GHz

CF Step
97.000000 MHz
Auto   Man

Freq Offset
0 Hz

Start 30.0 MHz
#Res BW 100 kHz   **#VBW 300 kHz**   **Stop 1.0000 GHz**
                                                       Sweep 93.3 ms (40001 pts)

MSG ⓘ Points changed; all traces cleared   STATUS

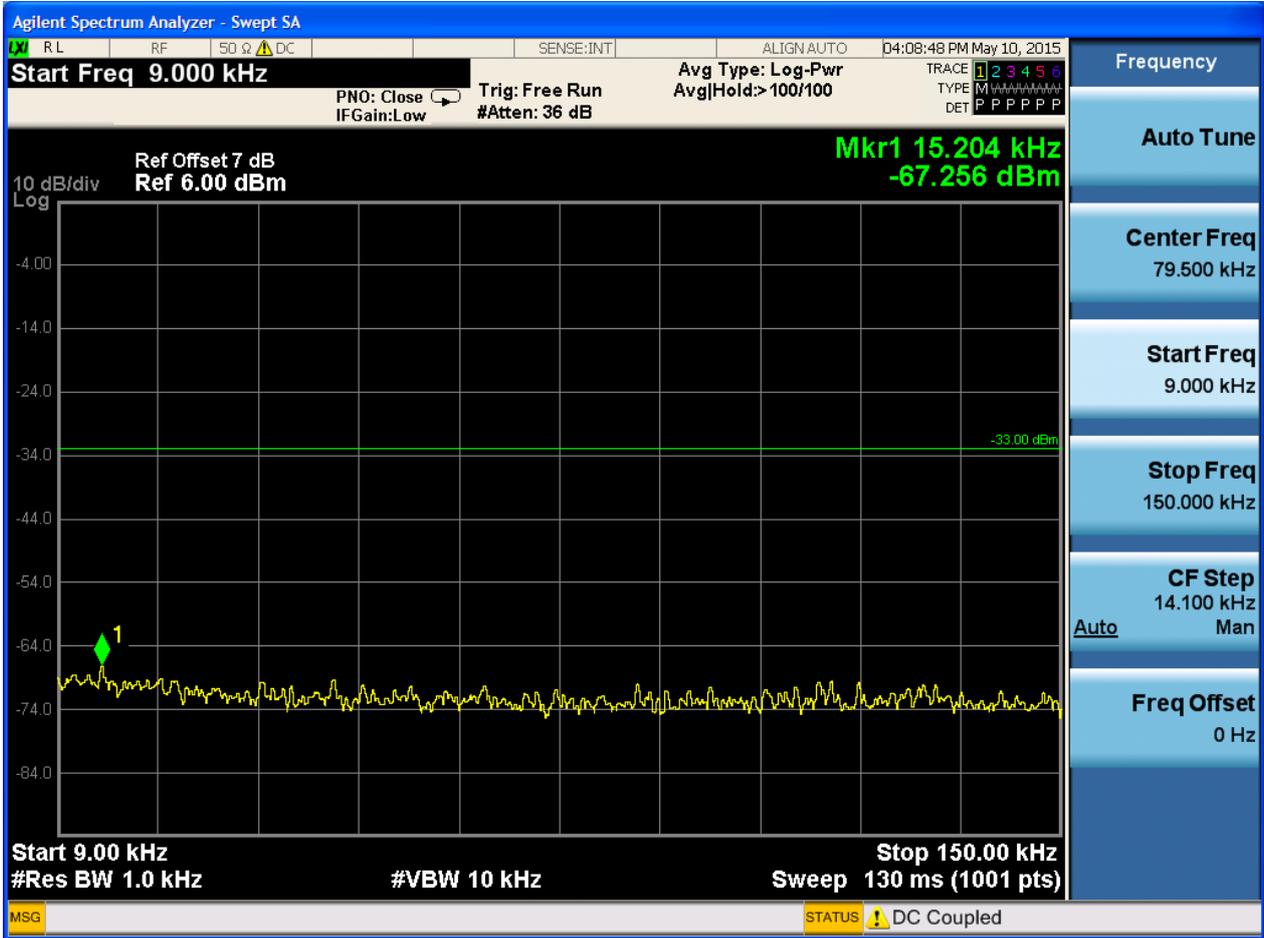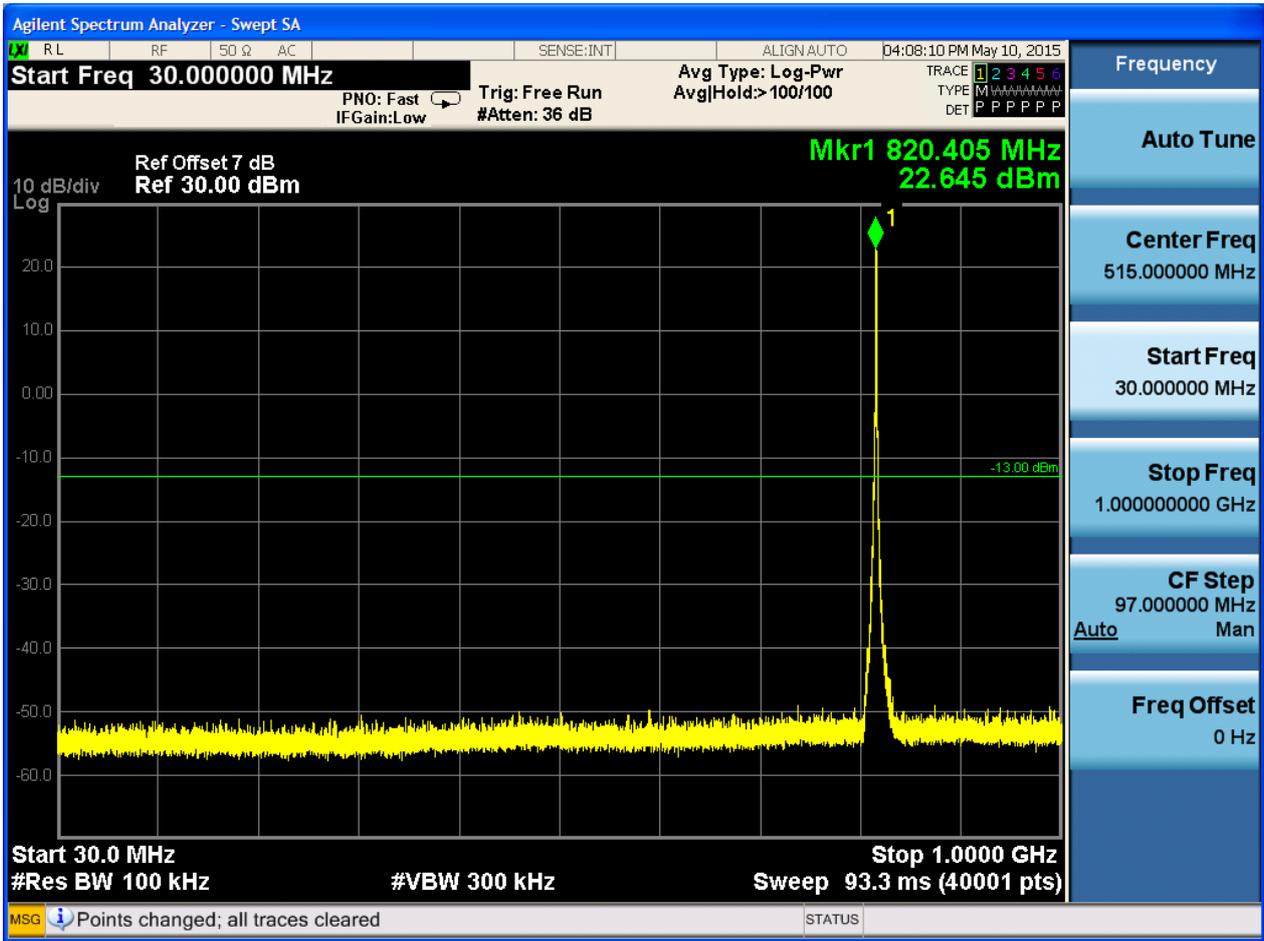## 6.1.1.1.2 Test Channel = MCH

Agilent Spectrum Analyzer - Swept SA

LXI	R L		RF	50 Ω	AC			SENSE:INT	ALIGN AUTO

Start Freq 30.000000 MHz

PNO: Fast | Trig: Free Run | Avg Type: Log-Pwr | TRACE 1 2 3 4 5 6
IFGain:Low | #Atten: 36 dB | Avg|Hold:> 100/100 | TYPE M WWWWW
| | | DET P P P P P P

04:08:10 PM May 10, 2015

Ref Offset 7 dB
10 dB/div **Ref 30.00 dBm**
Log

Mkr1 820.405 MHz
22.645 dBm

20.0

10.0

0.00

-10.0
-13.00 dBm

-20.0

-30.0

-40.0

-50.0

-60.0

Start 30.0 MHz
#Res BW 100 kHz   **#VBW 300 kHz**   **Stop 1.0000 GHz**
Sweep 93.3 ms (40001 pts)

MSG ⓘ Points changed; all traces cleared   STATUS

Frequency

Auto Tune

Center Freq
515.000000 MHz

Start Freq
30.000000 MHz
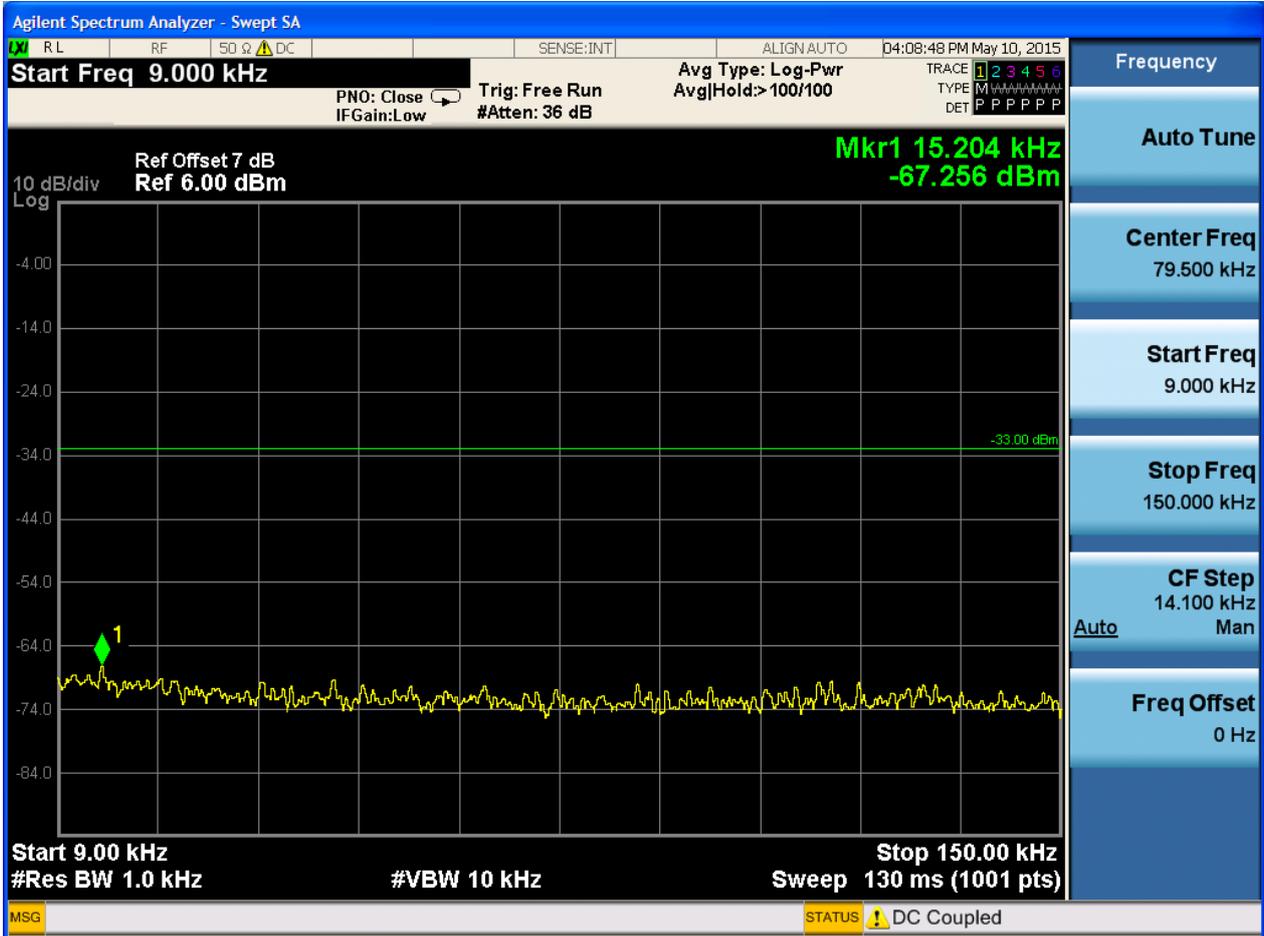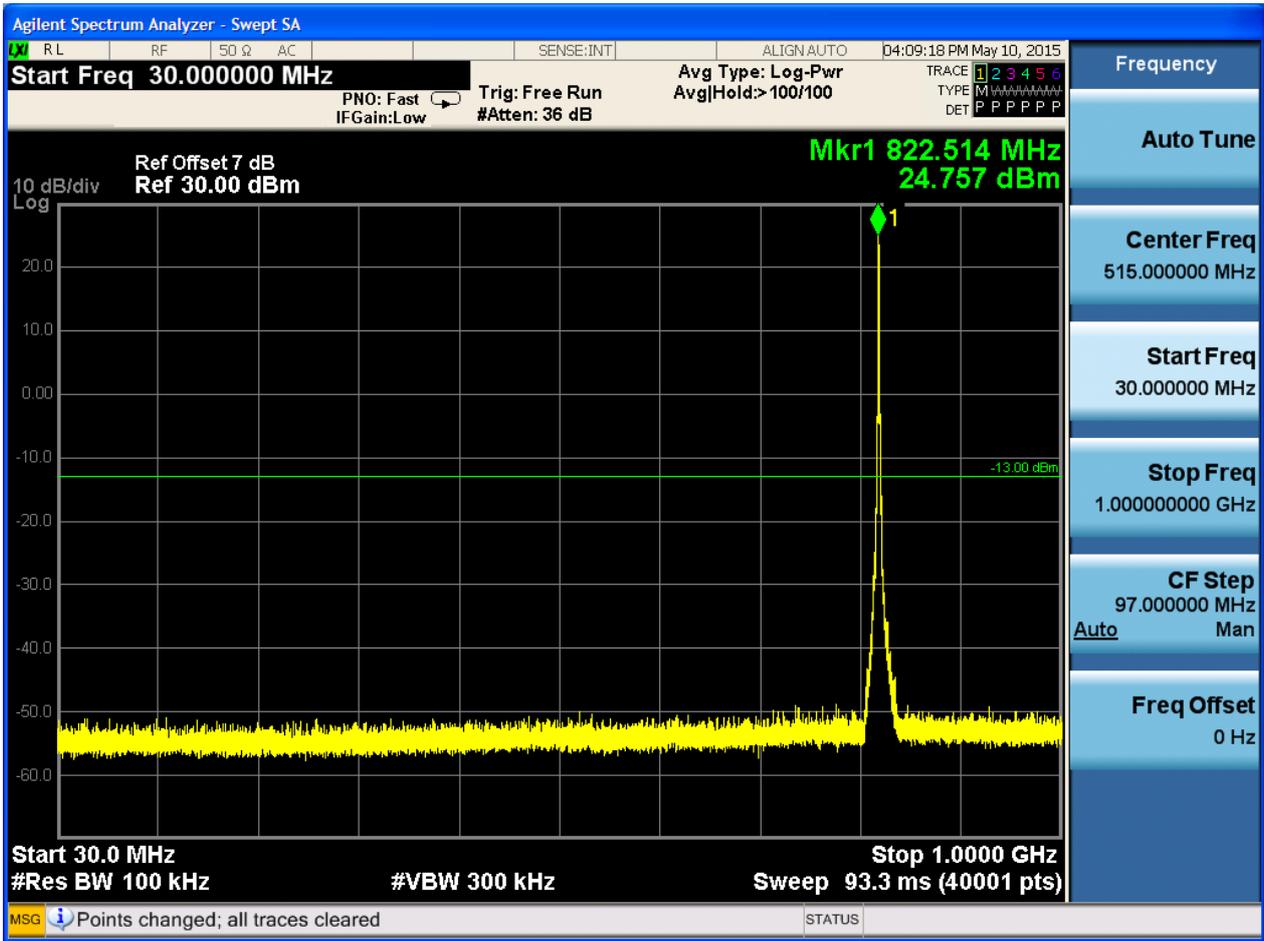
Stop Freq
1.000000000 GHz
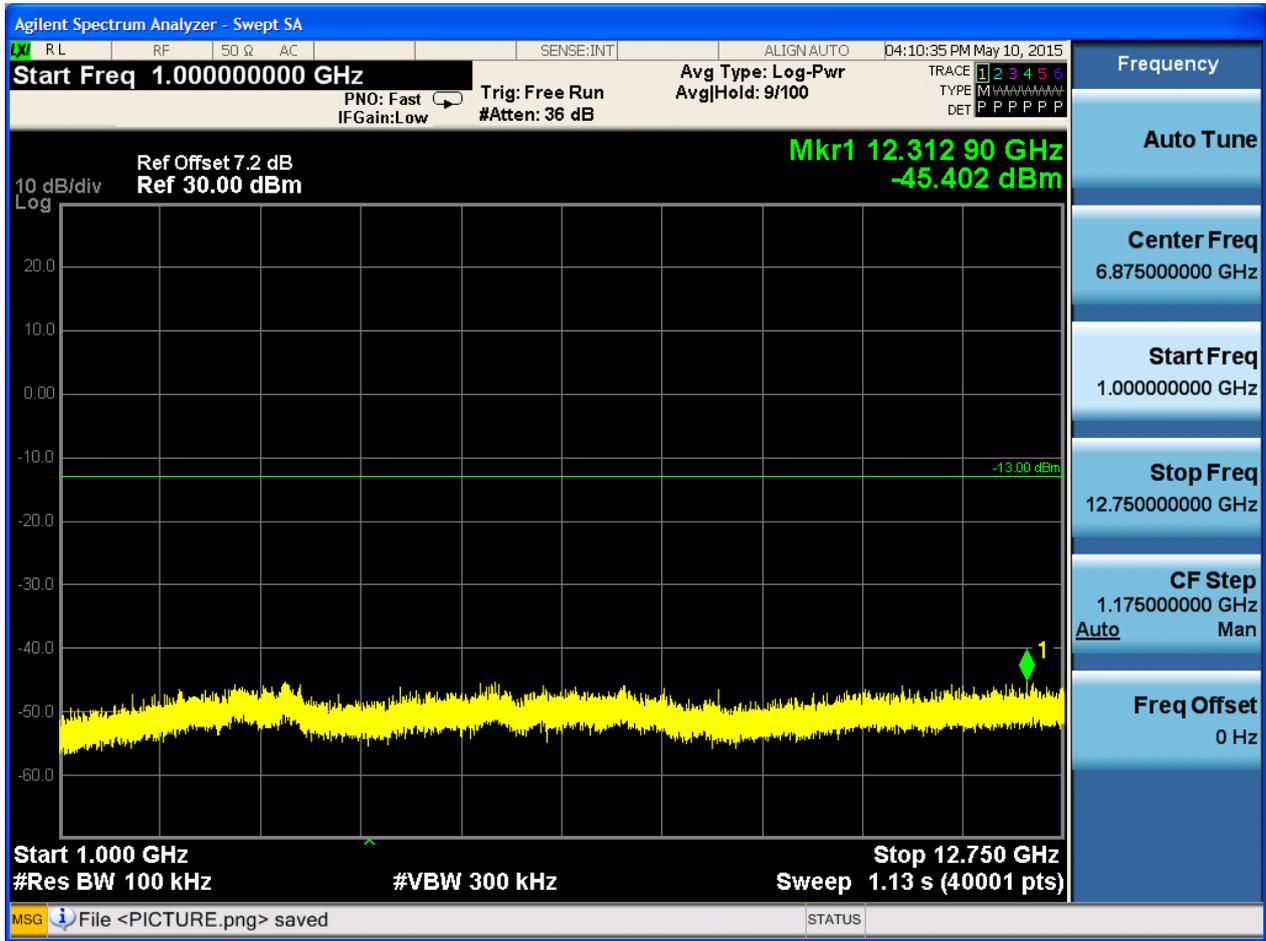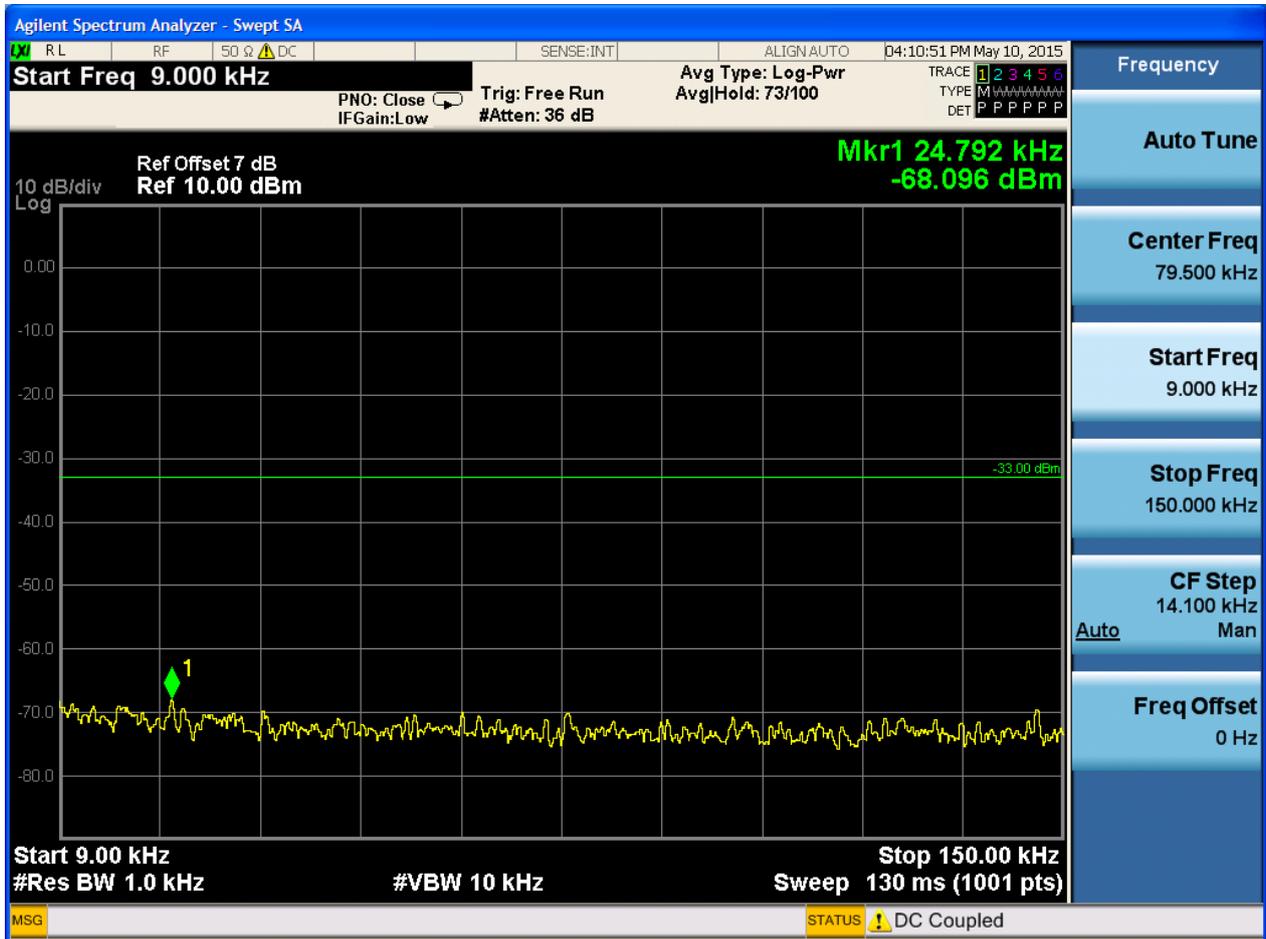
CF Step
97.000000 MHz
Auto   Man

Freq Offset
0 Hz

6.1.1.1.3 Test Channel = HCH

Agilent Spectrum Analyzer - Swept SA		
LXI R L RF 50 Ω AC SENSE:INT ALIGN AUTO 04:09:18 PM May 10, 2015		**Frequency**

Start Freq 30.000000 MHz

PNO: Fast | Trig: Free Run | Avg Type: Log-Pwr | TRACE **1** 2 3 4 5 6
IFGain:Low | #Atten: 36 dB | Avg|Hold:> 100/100 | TYPE M wwwww
DET P P P P P

Ref Offset 7 dB
10 dB/div   **Ref 30.00 dBm**
Log

Mkr1 822.514 MHz
24.757 dBm

20.0

10.0

0.00

-10.0   -13.00 dBm

-20.0

-30.0

-40.0

-50.0

-60.0

Start 30.0 MHz   **Stop 1.0000 GHz**
#Res BW 100 kHz   **#VBW 300 kHz**   **Sweep 93.3 ms (40001 pts)**

MSG ⓘ Points changed; all traces cleared   STATUS

Frequency

Auto Tune

Center Freq
515.000000 MHz

Start Freq
30.000000 MHz

Stop Freq
1.000000000 GHz
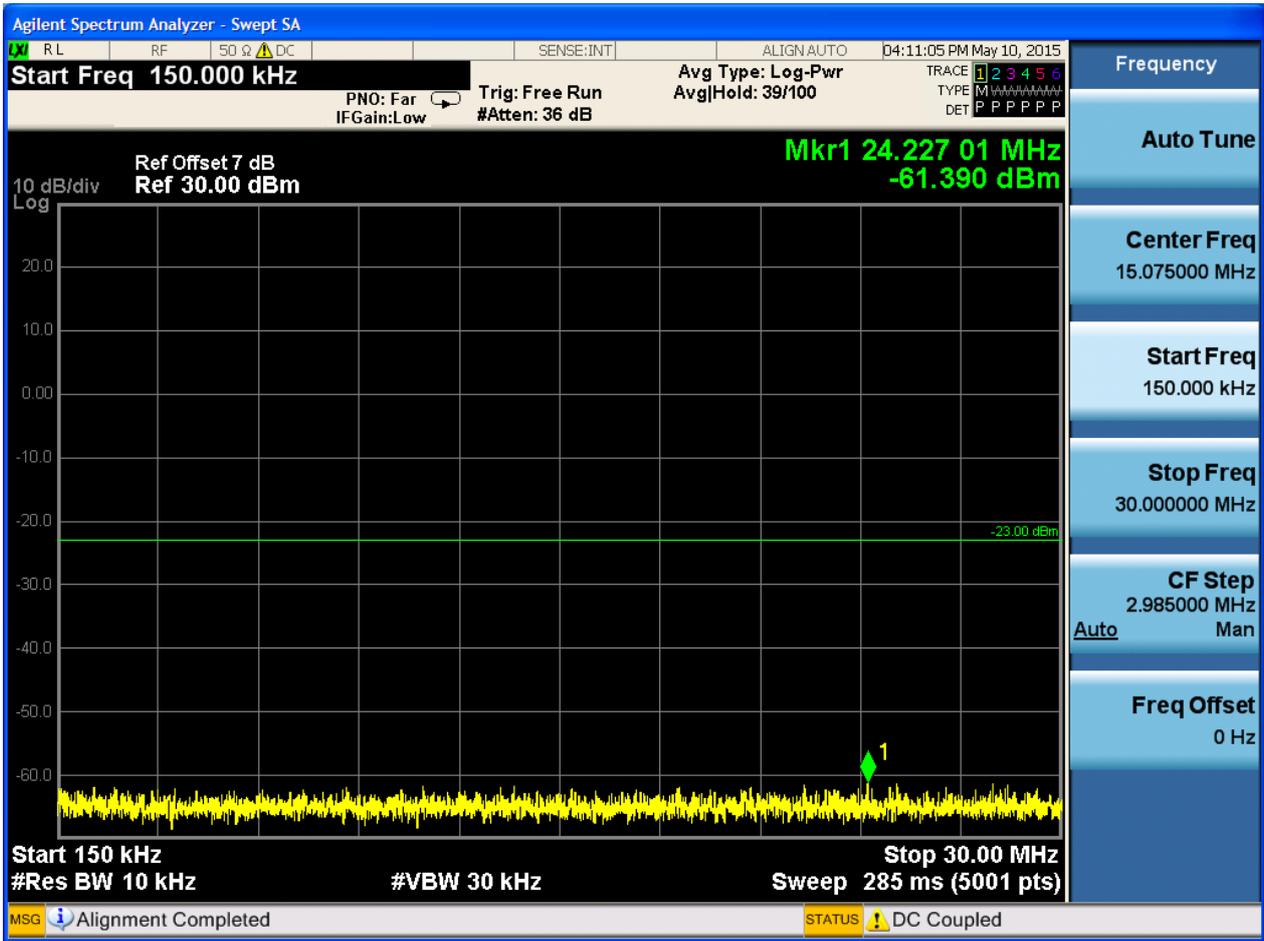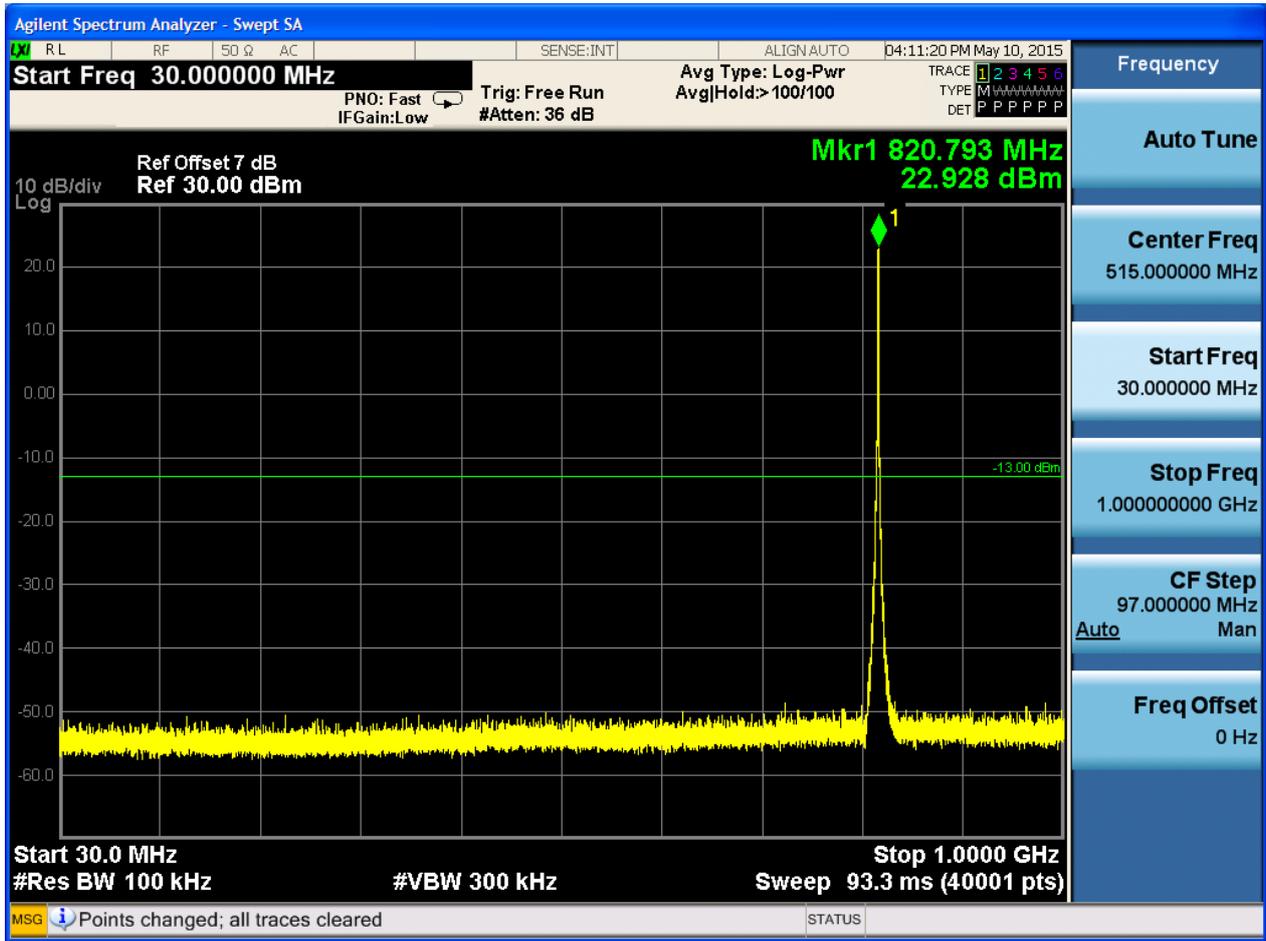
CF Step
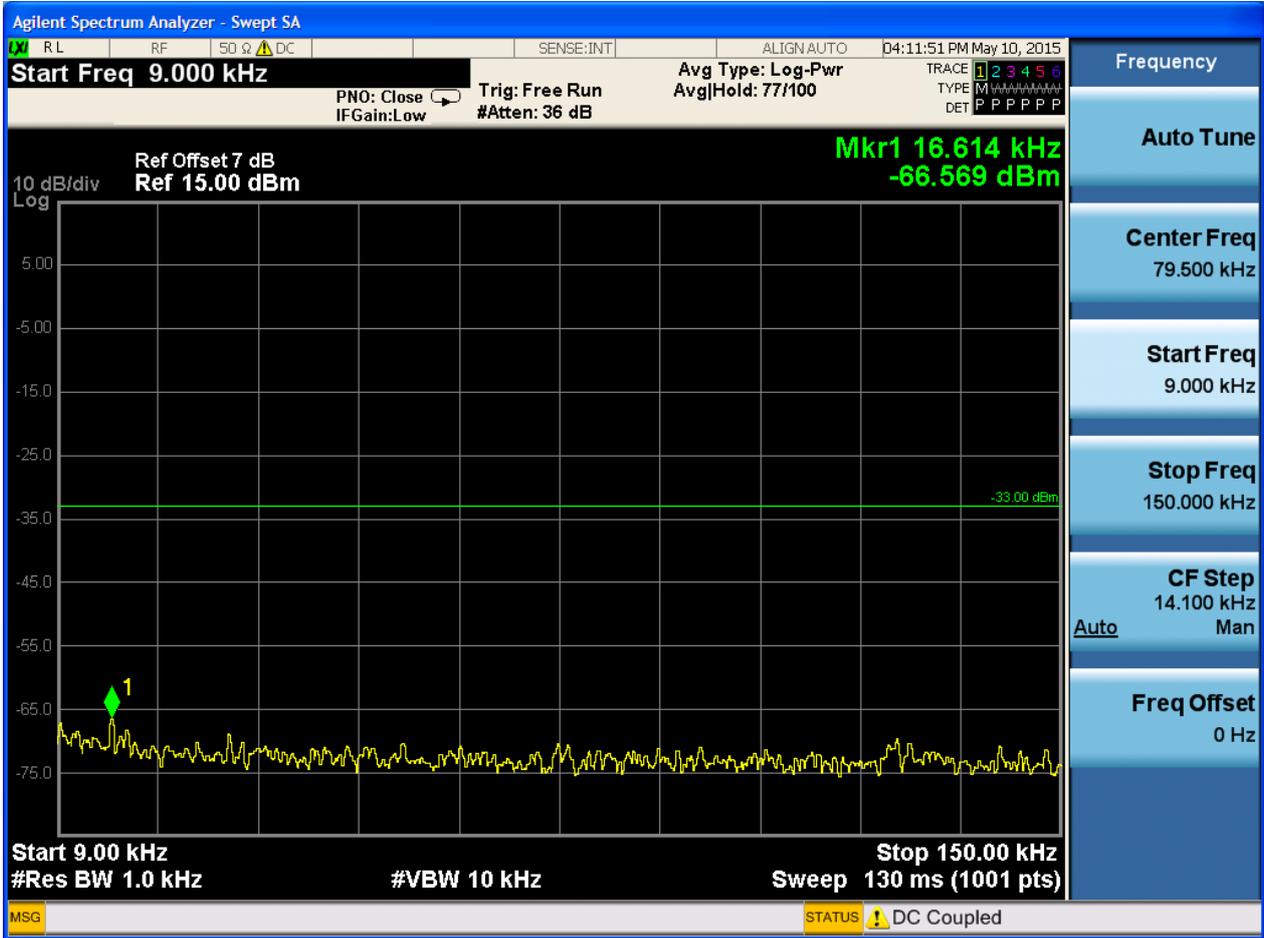97.000000 MHz
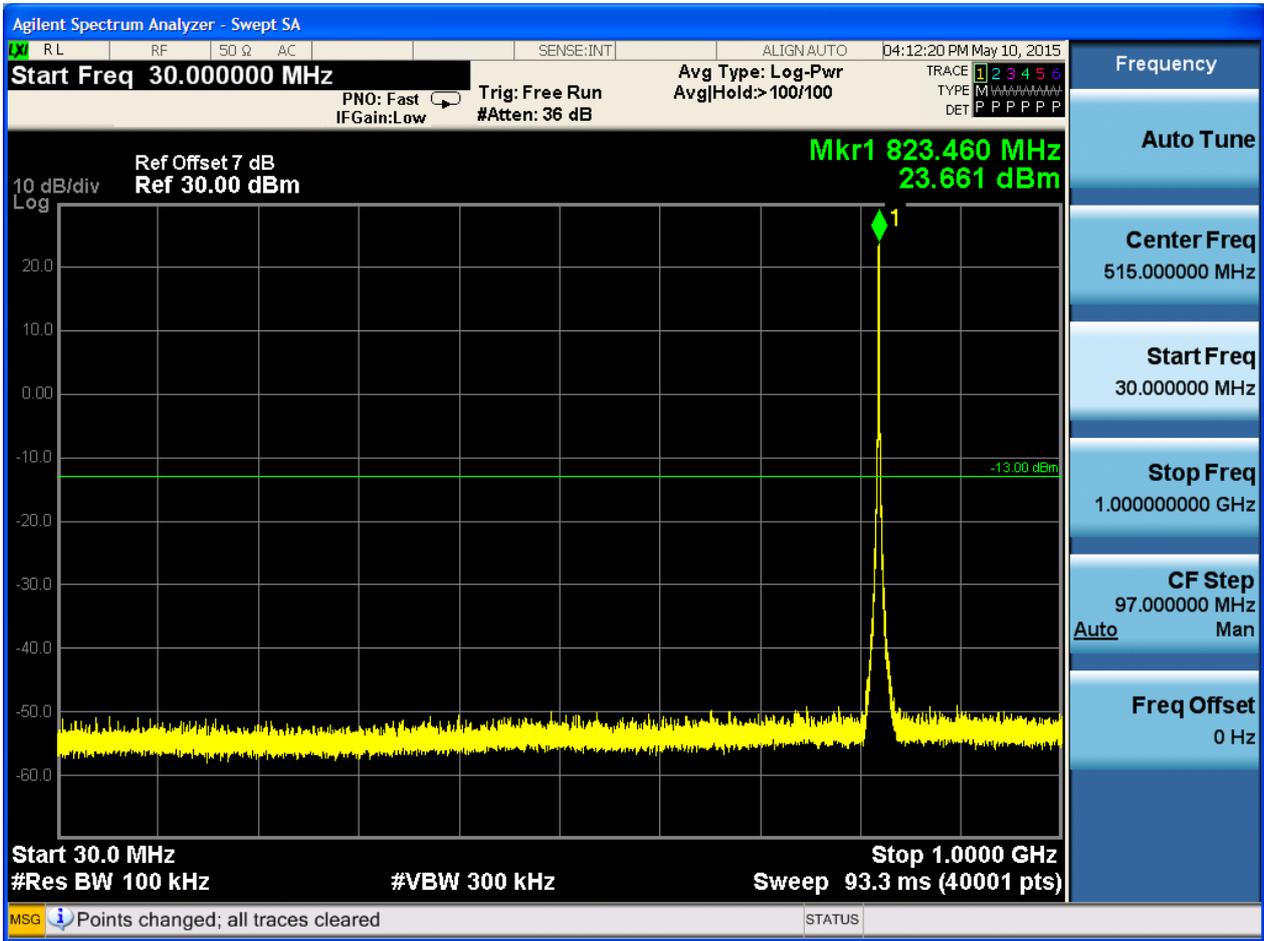Auto   Man

Freq Offset
0 Hz

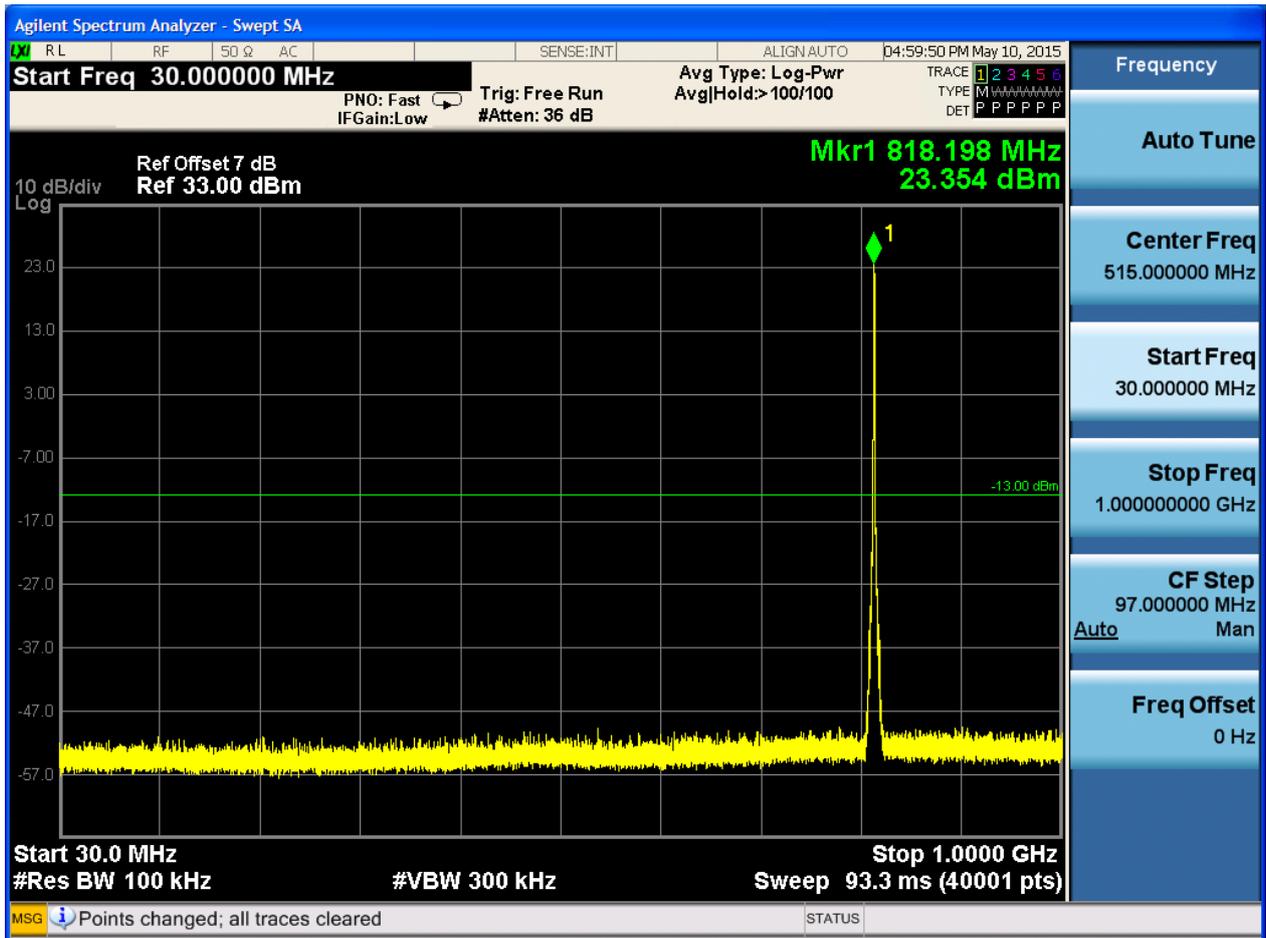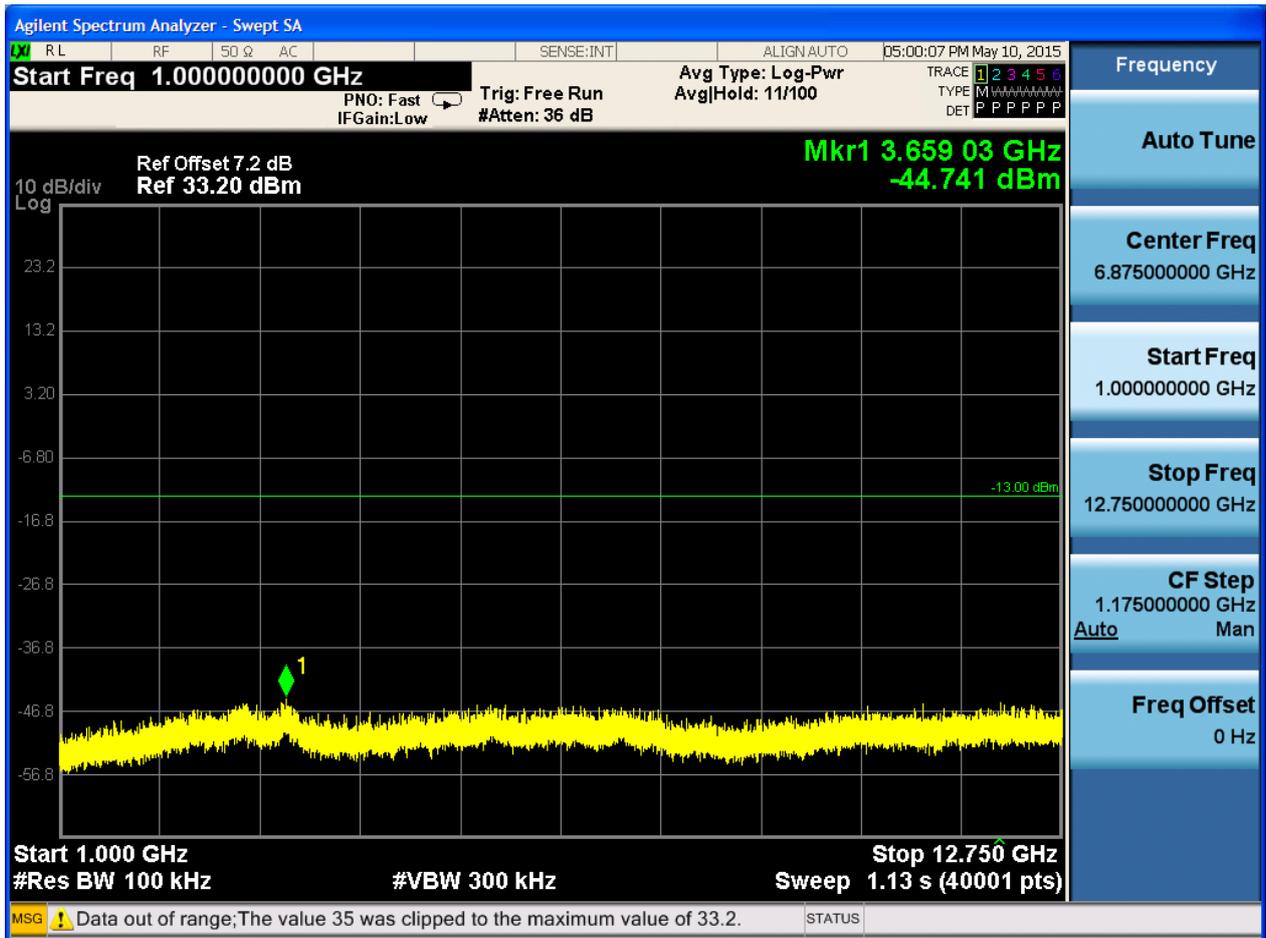### 6.1.1.2 Test Mode = CDMA/1X/TM3

6.1.1.2.1 Test Channel = LCH

Agilent Spectrum Analyzer - Swept SA

R L RF 50 Ω AC SENSE:INT ALIGN AUTO 04:10:20 PM May 10, 2015

Start Freq 30.000000 MHz

PNO: Fast Trig: Free Run Avg Type: Log-Pwr TRACE 1 2 3 4 5 6
IFGain:Low #Atten: 36 dB Avg|Hold:> 100/100 TYPE M W W W W W
DET P P P P P

Ref Offset 7 dB
10 dB/div Ref 30.00 dBm
Log

Mkr1 818.149 MHz
24.348 dBm

20.0

10.0

0.00

-10.0 -13.00 dBm

-20.0

-30.0

-40.0

-50.0

-60.0

Start 30.0 MHz Stop 1.0000 GHz
#Res BW 100 kHz #VBW 300 kHz Sweep 93.3 ms (40001 pts)

MSG Points changed; all traces cleared STATUS

Frequency

Auto Tune

Center Freq
515.000000 MHz

Start Freq
30.000000 MHz

Stop Freq
1.000000000 GHz

CF Step
97.000000 MHz
Auto Man

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

R L   RF   50 Ω   AC   SENSE:INT   ALIGN AUTO   04:10:35 PM May 10, 2015

Start Freq 1.000000000 GHz   Avg Type: Log-Pwr   TRACE 1 2 3 4 5 6
                                                             TYPE M W W W W W
PNO: Fast   Trig: Free Run   Avg|Hold: 9/100   DET P P P P P P
IFGain:Low   #Atten: 36 dB

Mkr1 12.312 90 GHz
-45.402 dBm

Ref Offset 7.2 dB
10 dB/div   **Ref 30.00 dBm**
Log

20.0

10.0

0.00

-10.0   -13.00 dBm

-20.0

-30.0

-40.0   ♦ 1

-50.0

-60.0

Start 1.000 GHz   **Stop 12.750 GHz**
#Res BW 100 kHz   **#VBW 300 kHz**   **Sweep 1.13 s (40001 pts)**

MSG File <PICTURE.png> saved   STATUS

Frequency

Auto Tune

Center Freq
6.875000000 GHz

Start Freq
1.000000000 GHz

Stop Freq
12.750000000 GHz
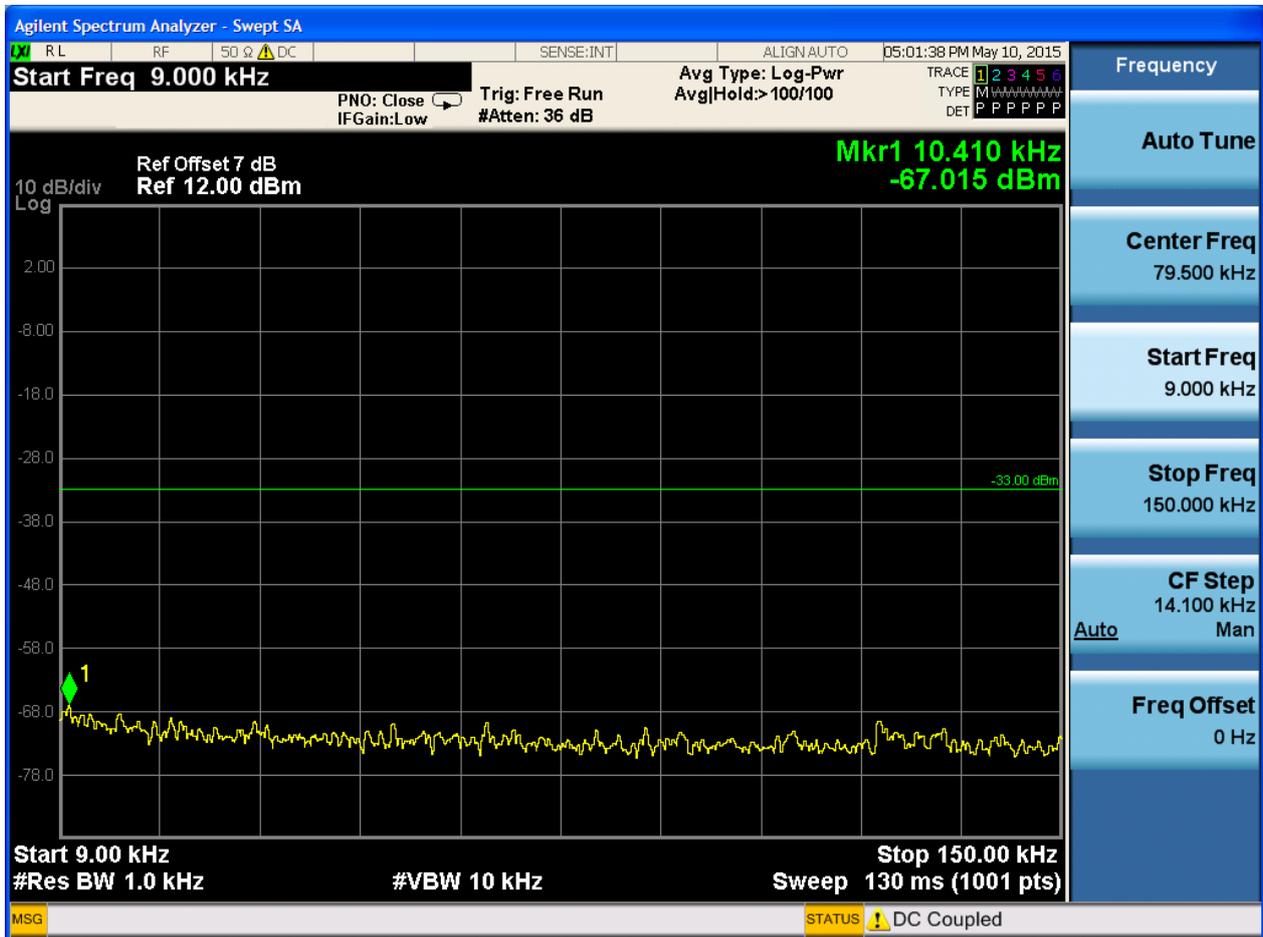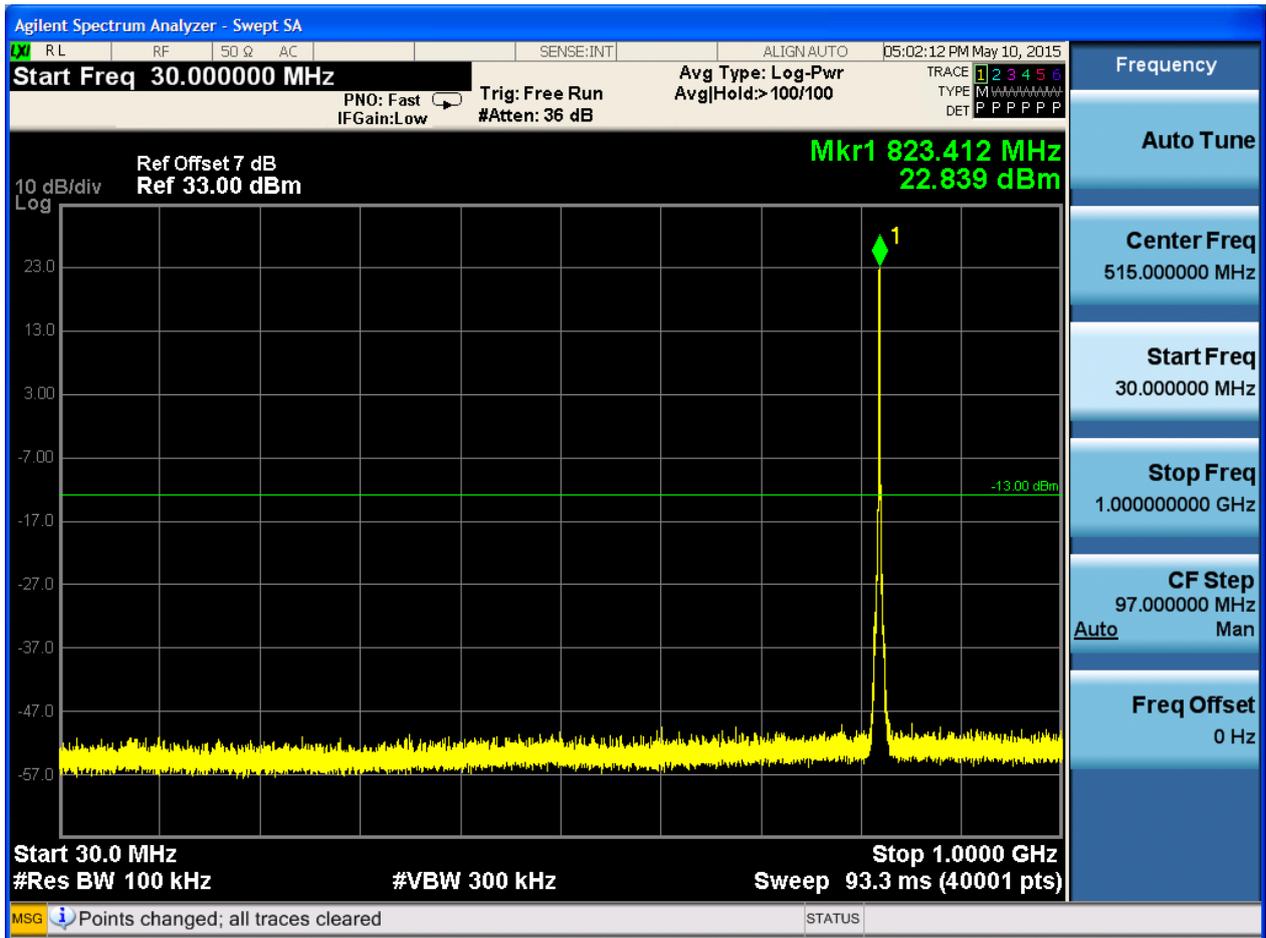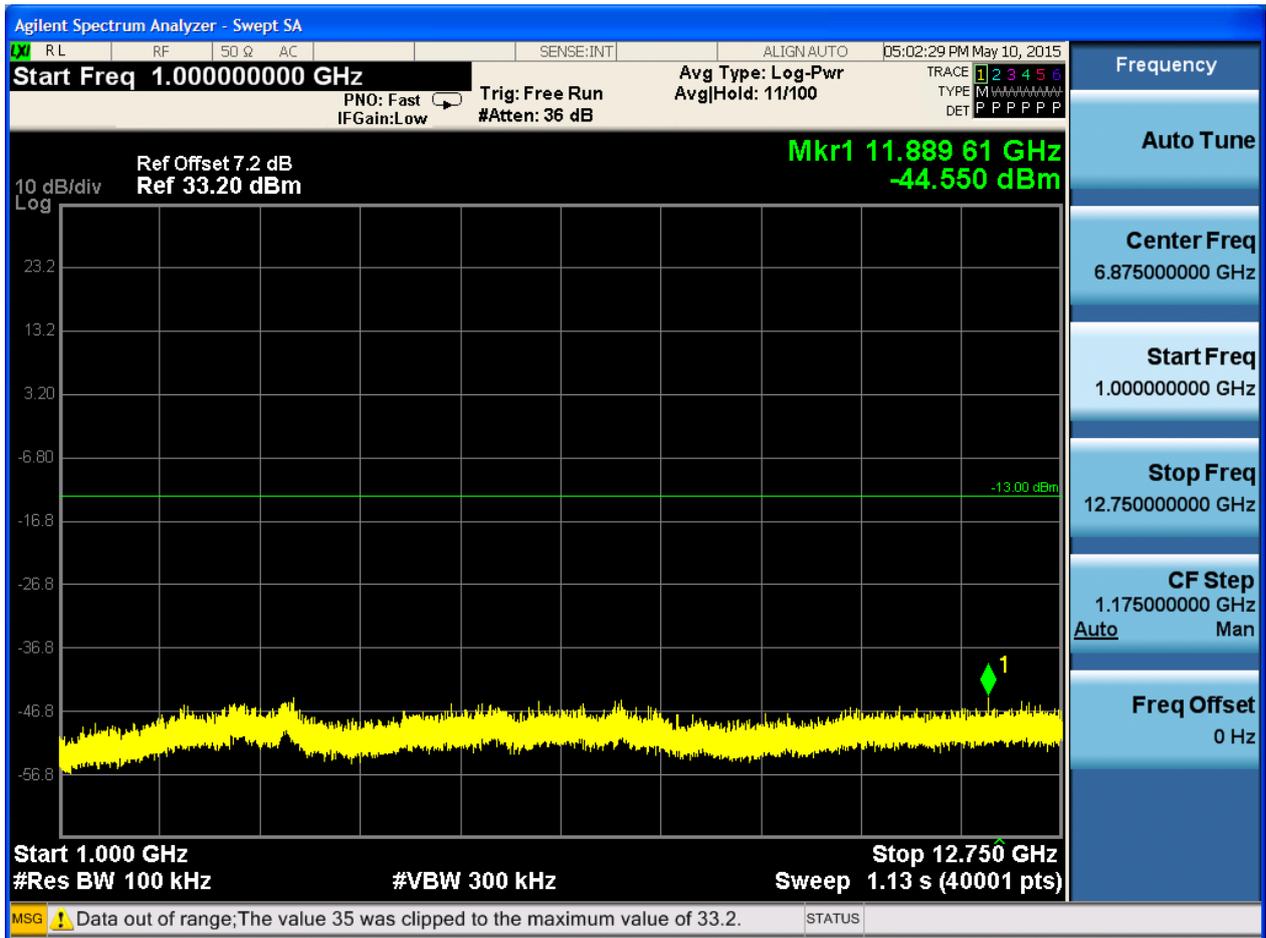
CF Step
1.175000000 GHz
Auto   Man

Freq Offset
0 Hz

6.1.1.2.2 Test Channel = MCH

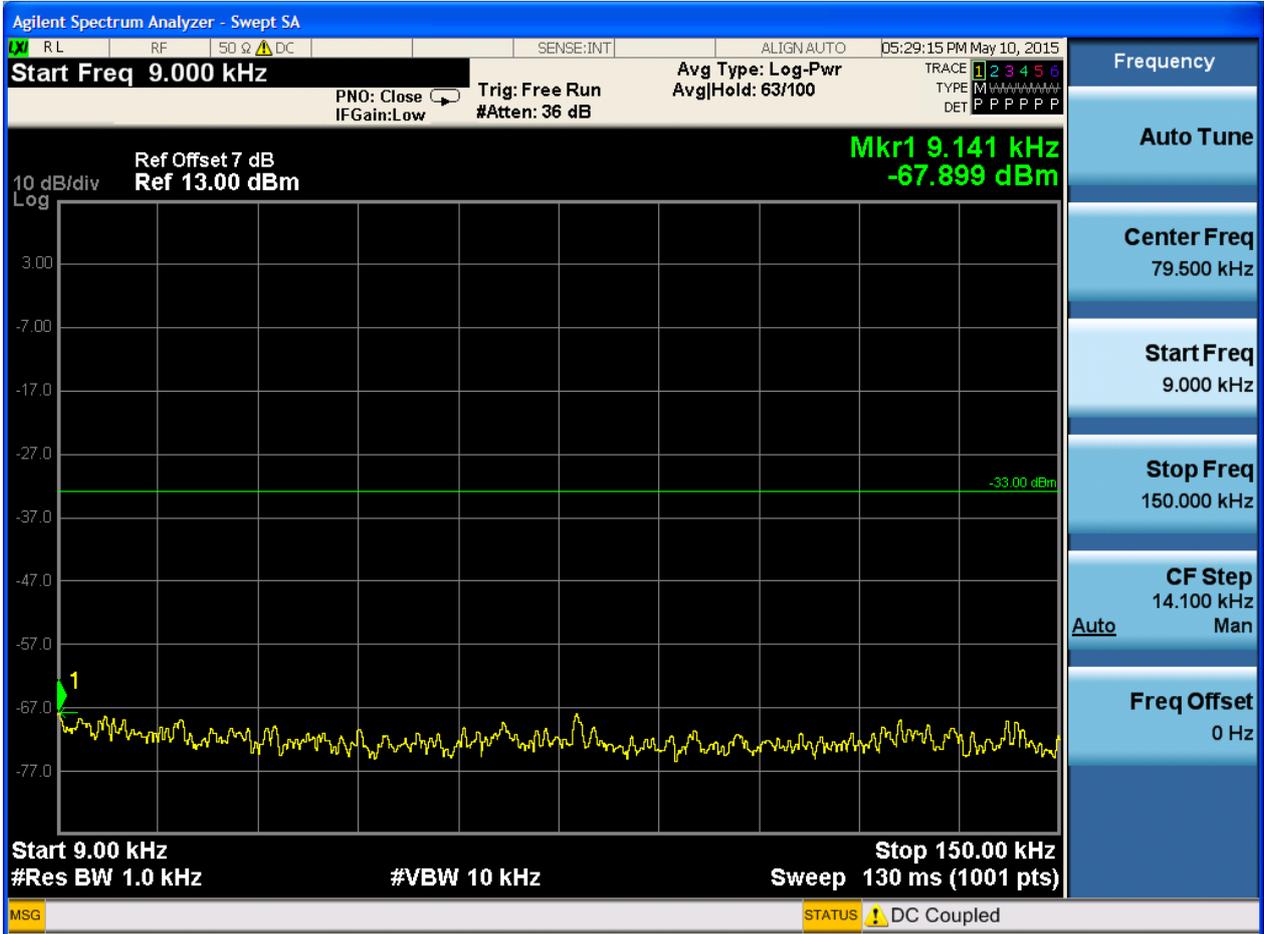## 6.1.1.2.3 Test Channel = HCH

Huawei Proprietary and Confidential
Copyright © Huawei Technologies Co., Ltd.
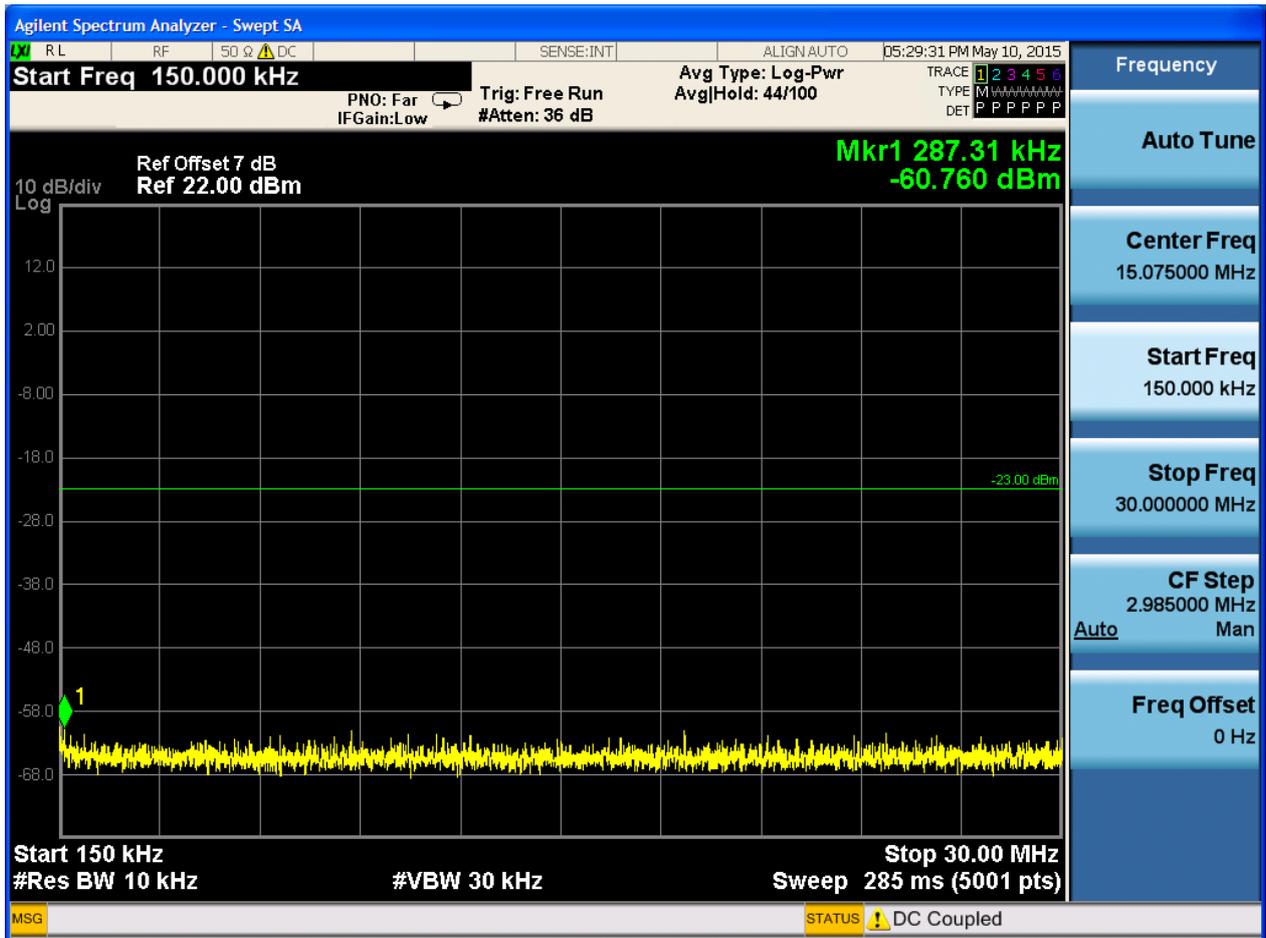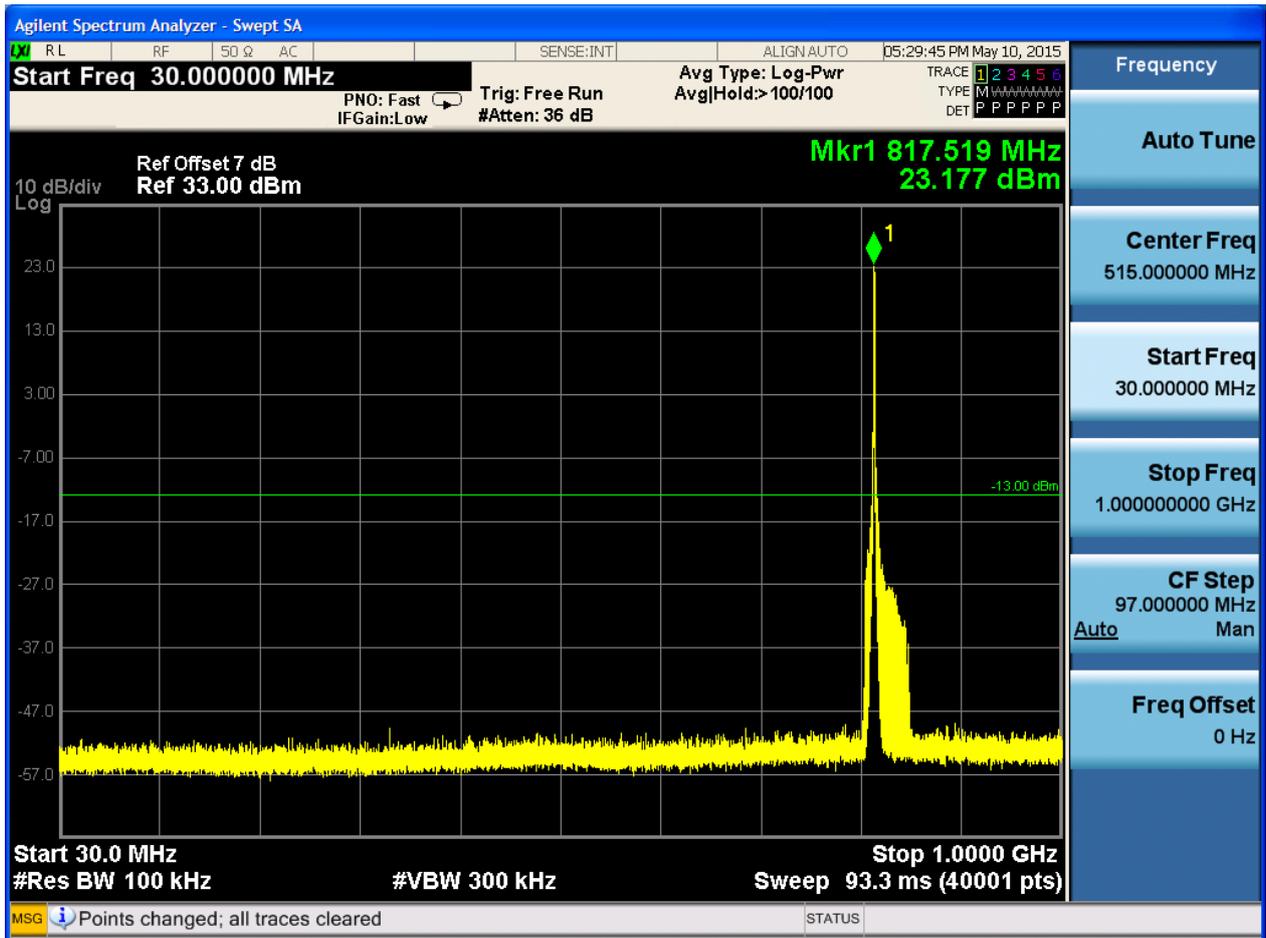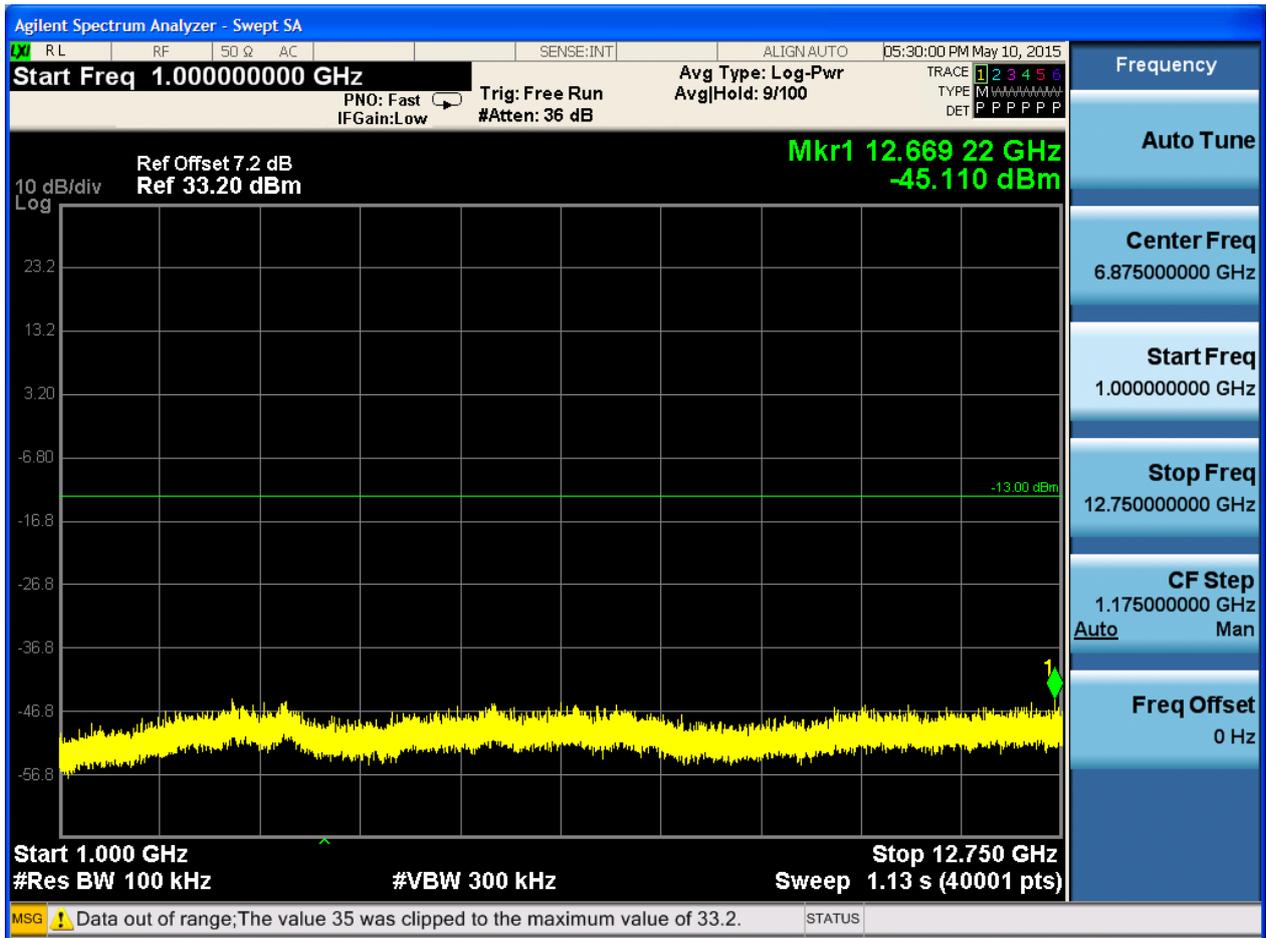
6.1.1.3 Test Mode = CDMA/EV-DO/Subtype0

6.1.1.3.1 Test Channel = LCH

6.1.1.3.2 Test Channel = MCH

Agilent Spectrum Analyzer - Swept SA

LXI	R L	RF	50 Ω ⚠ DC			SENSE:INT	ALIGN AUTO	05:00:42 PM May 10, 2015

Start Freq 150.000 kHz

PNO: Far

IFGain:Low

Trig: Free Run

#Atten: 36 dB

Avg Type: Log-Pwr
Avg|Hold: 47/100

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

Ref Offset 7 dB
10 dB/div **Ref 17.00 dBm**
Log

Mkr1 29.970 15 MHz
-61.026 dBm

7.00

-3.00

-13.0

-23.0   -23.00 dBm

-33.0

-43.0

-53.0   1

-63.0

-73.0

Start 150 kHz   **Stop 30.00 MHz**
#Res BW 10 kHz   **#VBW 30 kHz**   **Sweep 285 ms (5001 pts)**
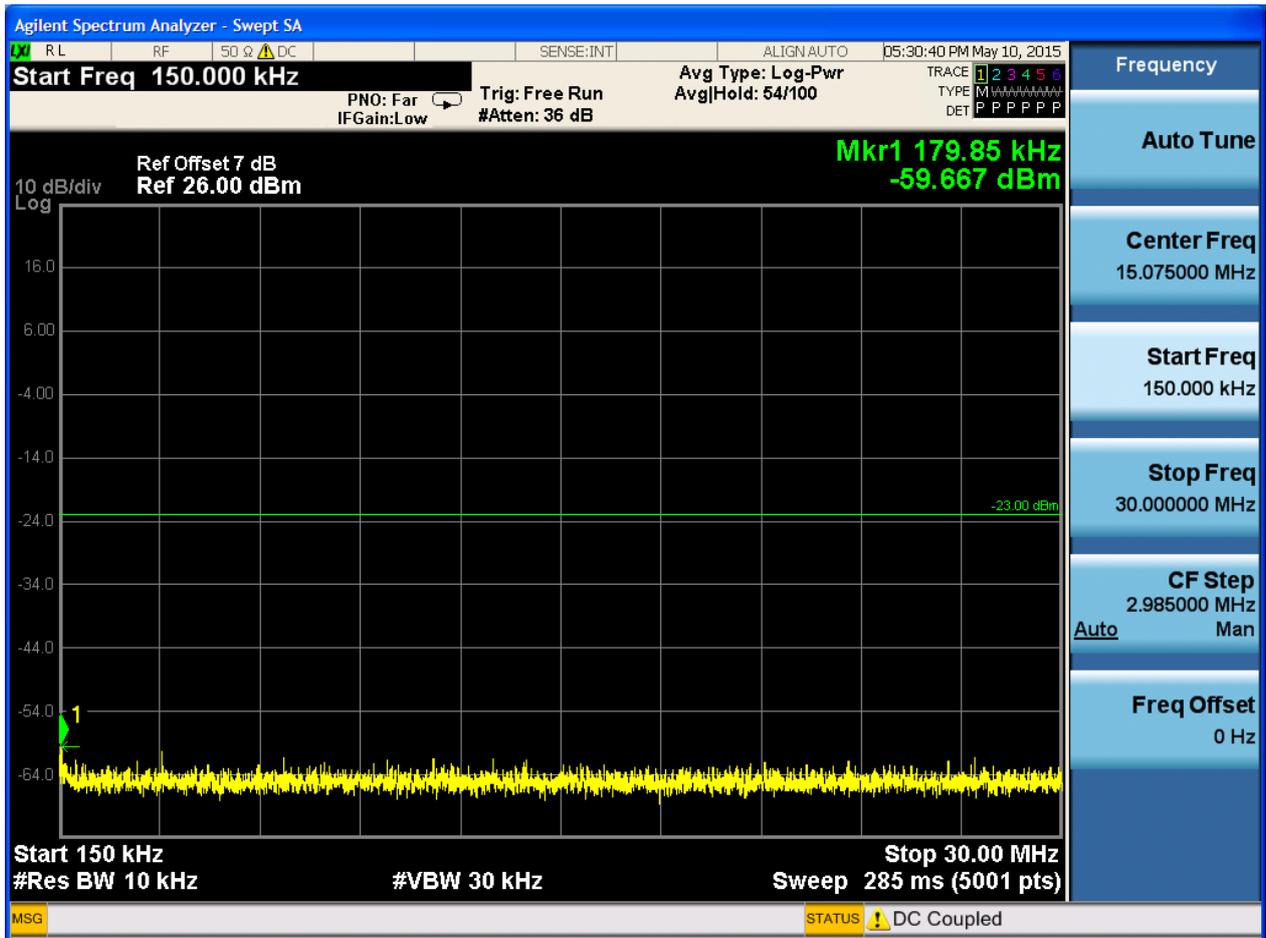
MSG   STATUS ⚠ DC Coupled

Frequency

Auto Tune

Center Freq
15.075000 MHz

Start Freq
150.000 kHz

Stop Freq
30.000000 MHz

CF Step
2.985000 MHz
Auto   Man

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

LXI R L | RF | 50 Ω AC | | SENSE:INT | ALIGN AUTO | 05:00:59 PM May 10, 2015 | TRACE 1 2 3 4 5 6

Start Freq 30.000000 MHz

PNO: Fast
IFGain:Low

Trig: Free Run
#Atten: 36 dB

Avg Type: Log-Pwr
Avg|Hold:> 100/100

TYPE M WWWWWW
DET P P P P P

Frequency

Auto Tune

Mkr1 820.235 MHz
23.667 dBm

Ref Offset 7 dB
10 dB/div **Ref 33.00 dBm**
Log

Center Freq
515.000000 MHz

23.0

Start Freq
30.000000 MHz

13.0

3.00

-7.00

-13.00 dBm

Stop Freq
1.000000000 GHz

-17.0

-27.0

CF Step
97.000000 MHz
Auto   Man

-37.0

-47.0

Freq Offset
0 Hz

-57.0

Start 30.0 MHz

Stop 1.0000 GHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 93.3 ms (40001 pts)

MSG ⓘ Points changed; all traces cleared

STATUS

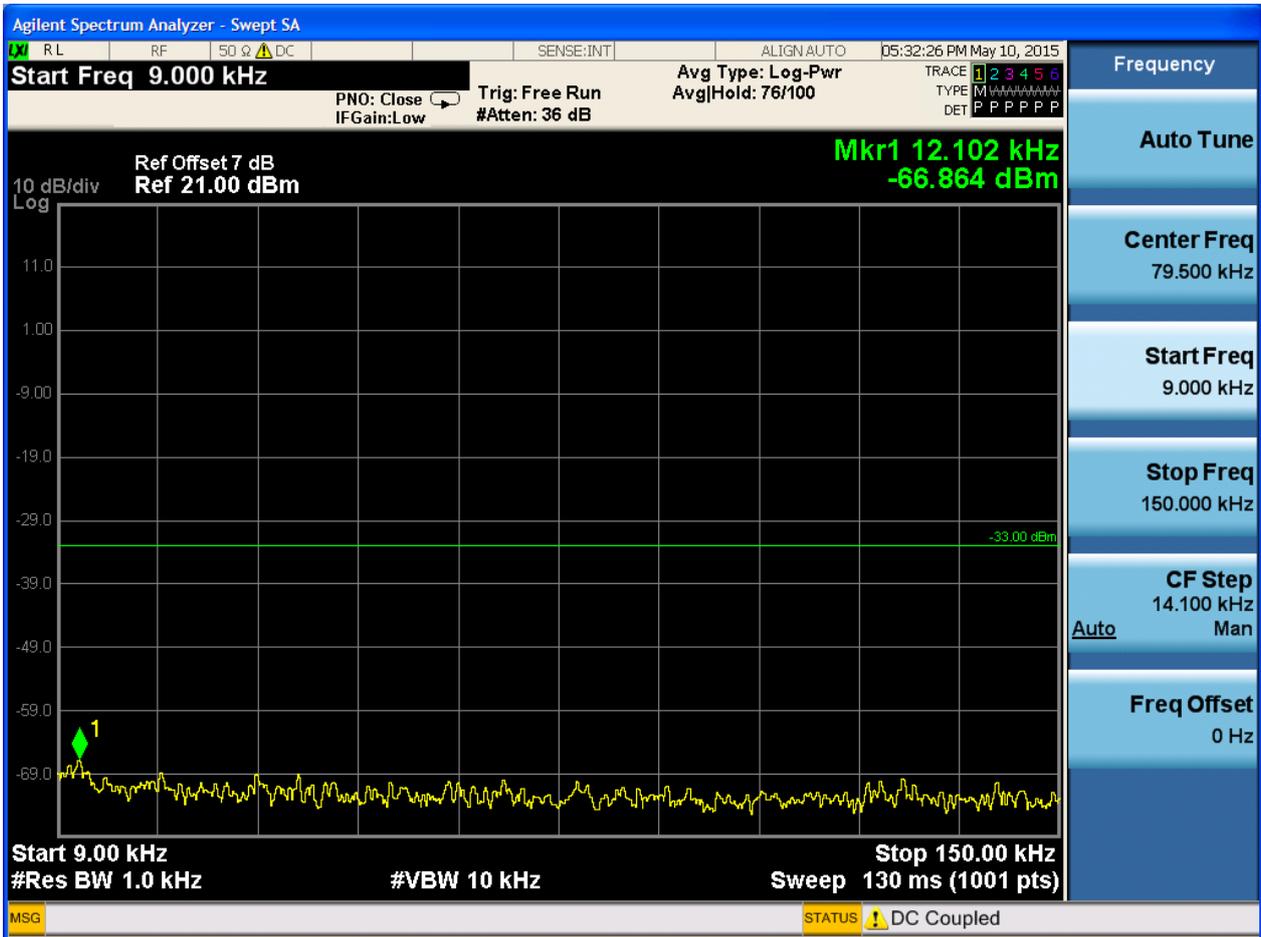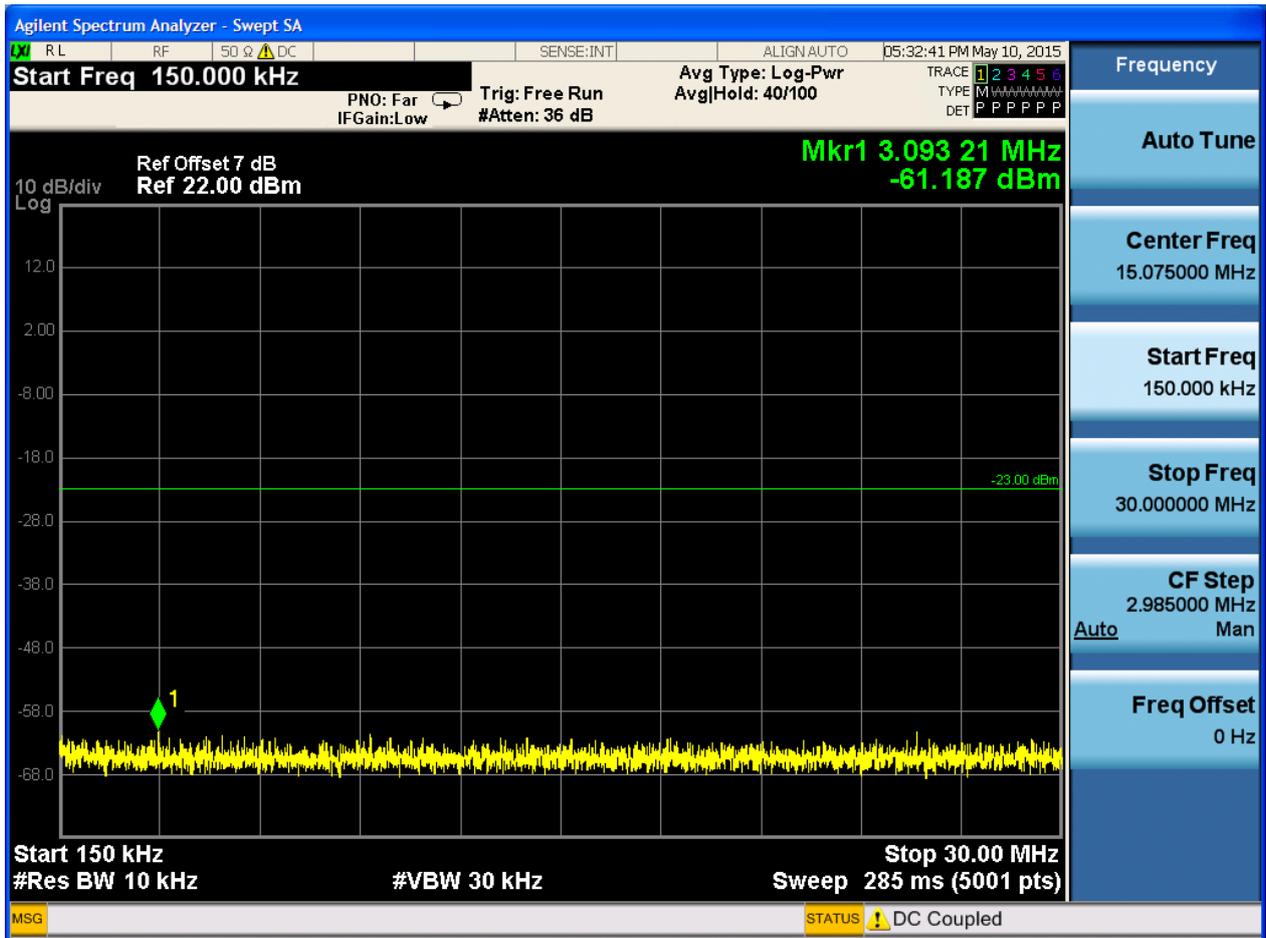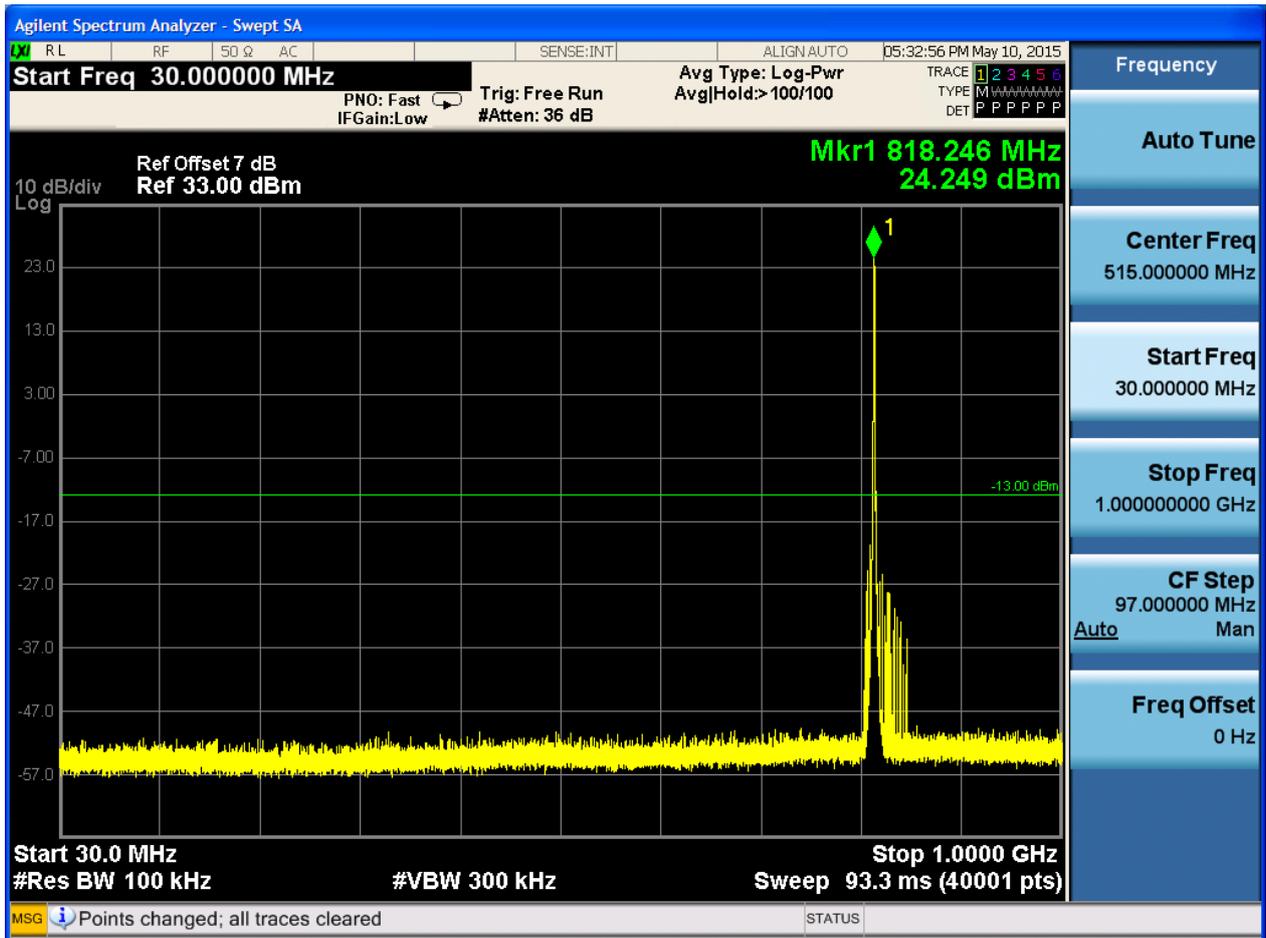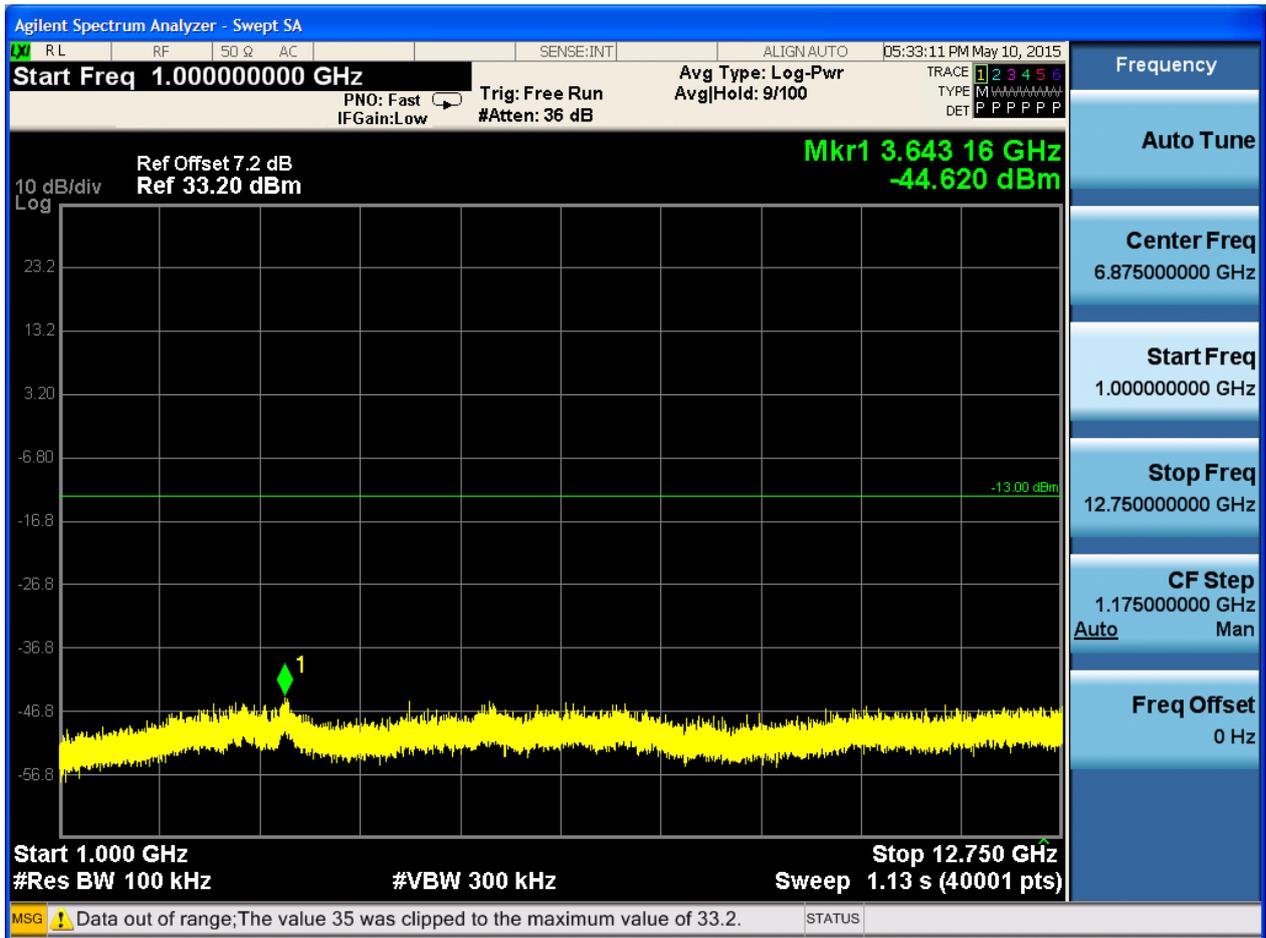## 6.1.1.3.3 Test Channel = HCH

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

6.1.1.4.1 Test Channel = LCH

Agilent Spectrum Analyzer - Swept SA

R L	RF	50 Ω ⚠ DC		SENSE:INT	ALIGN AUTO	05:29:31 PM May 10, 2015

Start Freq 150.000 kHz

PNO: Far ↪
IFGain:Low

Trig: Free Run
#Atten: 36 dB

Avg Type: Log-Pwr
Avg|Hold: 44/100

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

Mkr1 287.31 kHz
-60.760 dBm

Ref Offset 7 dB
Ref 22.00 dBm
10 dB/div
Log

12.0
2.00
-8.00
-18.0
-28.0   -23.00 dBm
-38.0
-48.0
-58.0   1
-68.0

Start 150 kHz
#Res BW 10 kHz   **#VBW 30 kHz**   **Stop 30.00 MHz**
Sweep 285 ms (5001 pts)

MSG   STATUS ⚠ DC Coupled

Frequency

Auto Tune

Center Freq
15.075000 MHz

Start Freq
150.000 kHz

Stop Freq
30.000000 MHz

CF Step
2.985000 MHz
Auto   Man

Freq Offset
0 Hz

6.1.1.4.2 Test Channel = MCH

Agilent Spectrum Analyzer - Swept SA

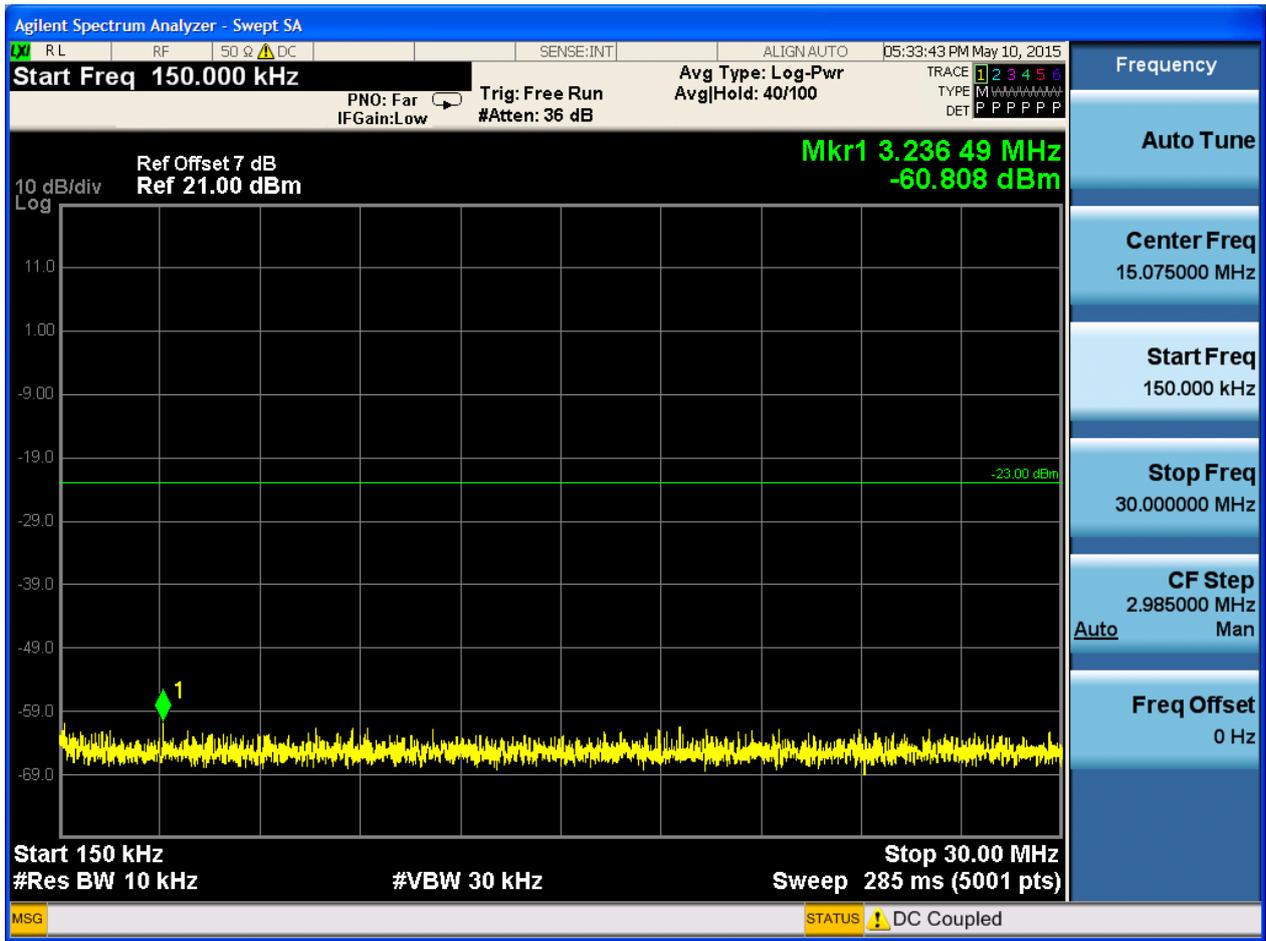| R L | RF | 50 Ω | AC | | | SENSE:INT | | ALIGN AUTO | 05:31:09 PM May 10, 2015 |

Start Freq 1.000000000 GHz

PNO: Fast
IFGain:Low

Trig: Free Run
#Atten: 36 dB

Avg Type: Log-Pwr
Avg|Hold: 9/100

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

Mkr1 3.122 34 GHz
-45.281 dBm

Ref Offset 7.2 dB
Ref 33.20 dBm

10 dB/div
Log

23.2

13.2

3.20

-6.80

-13.00 dBm

-16.8

-26.8

-36.8

1

-46.8

-56.8

Start 1.000 GHz
#Res BW 100 kHz   **#VBW 300 kHz**   **Stop 12.750 GHz**
Sweep 1.13 s (40001 pts)

MSG ⚠ Data out of range;The value 35 was clipped to the maximum value of 33.2.   STATUS

Frequency

Auto Tune

Center Freq
6.875000000 GHz

Start Freq
1.000000000 GHz

Stop Freq
12.750000000 GHz

CF Step
1.175000000 GHz
Auto   Man

Freq Offset
0 Hz

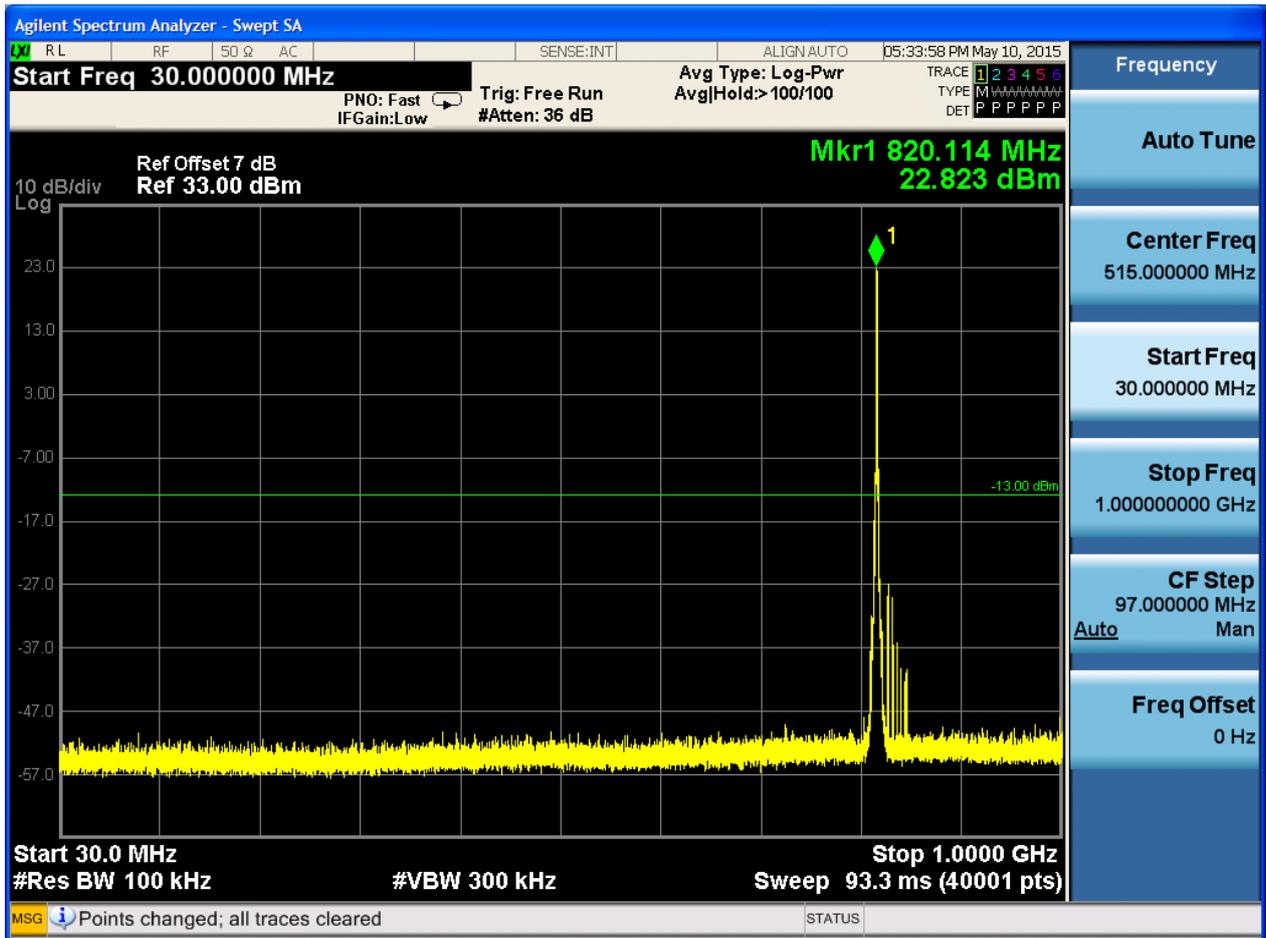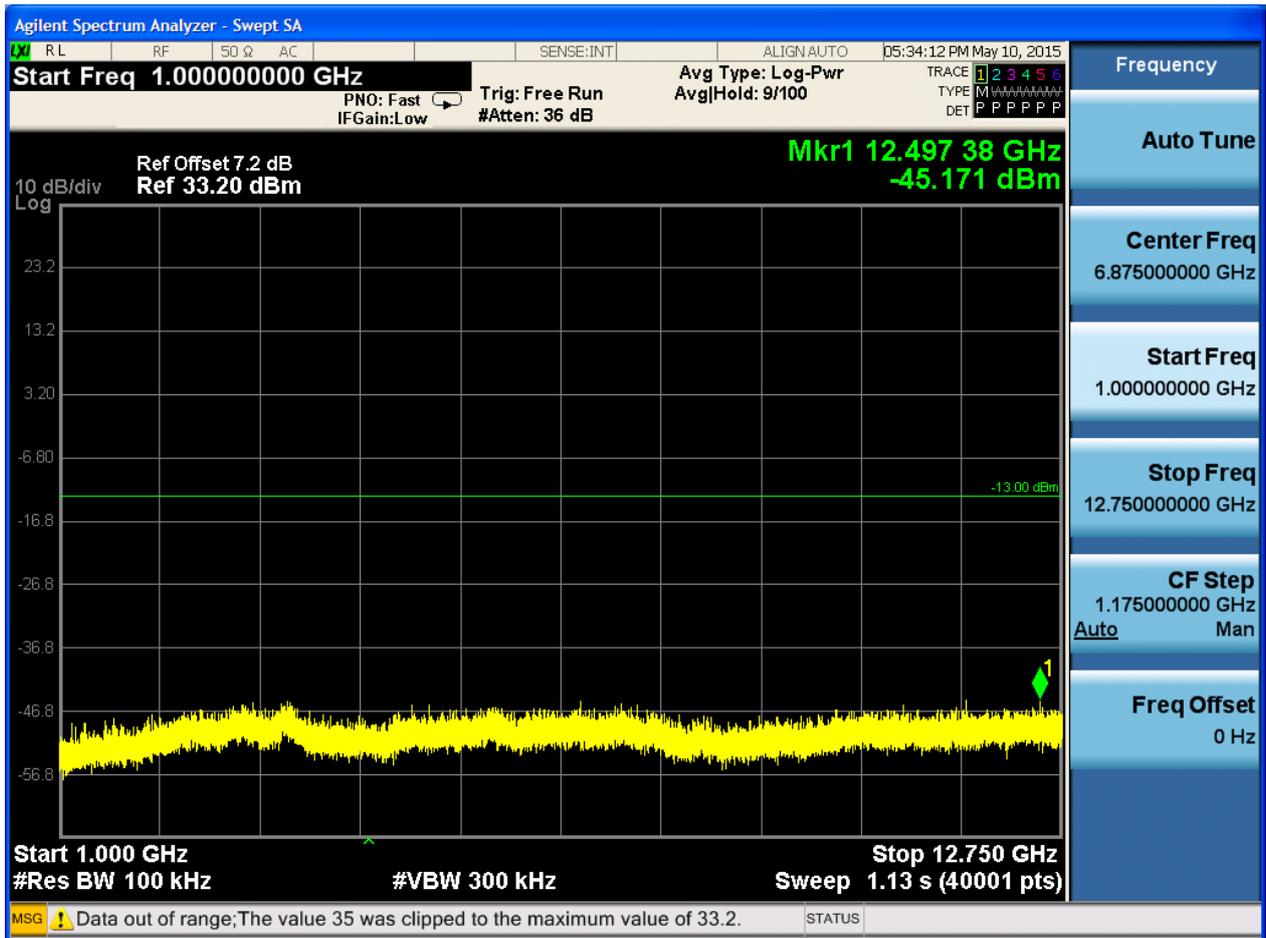## 6.1.1.4.3 Test Channel = HCH

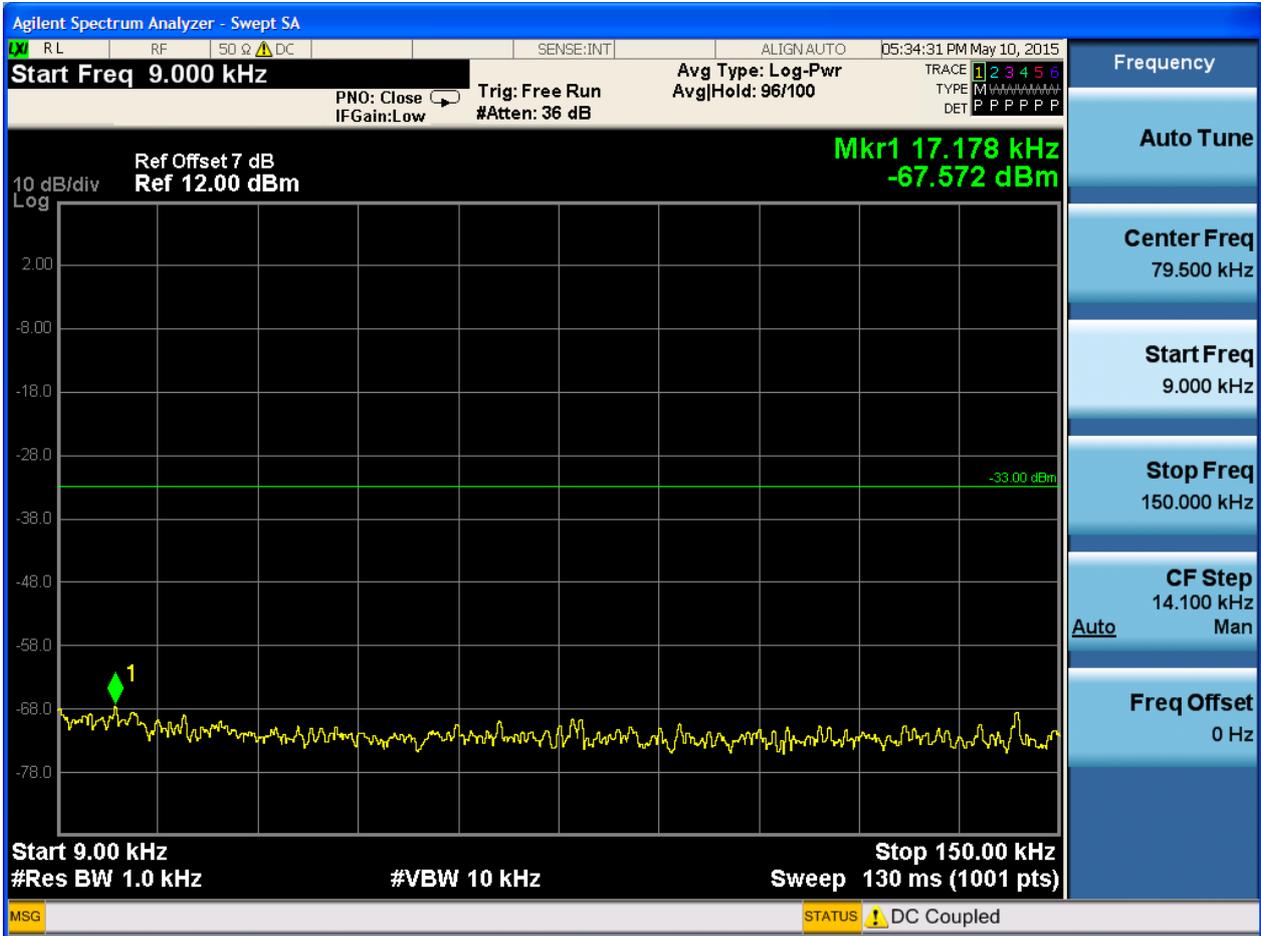## 6.1.1.5 Test Mode = CDMA/EV-DO/Subtype2/4096

6.1.1.5.1 Test Channel = LCH

6.1.1.5.2 Test Channel = MCH

Agilent Spectrum Analyzer - Swept SA

LXI R L	RF	50 Ω AC	SENSE:INT	ALIGN AUTO	05:34:12 PM May 10, 2015

Start Freq 1.000000000 GHz

PNO: Fast
IFGain:Low

Trig: Free Run
#Atten: 36 dB

Avg Type: Log-Pwr
Avg|Hold: 9/100

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

Mkr1 12.497 38 GHz
-45.171 dBm

Ref Offset 7.2 dB
Ref 33.20 dBm

10 dB/div
Log

23.2

13.2

3.20

-6.80
-13.00 dBm

-16.8

-26.8

-36.8

-46.8
1

-56.8

Start 1.000 GHz
#Res BW 100 kHz   **#VBW 300 kHz**   **Stop 12.750 GHz**
                                                        Sweep 1.13 s (40001 pts)

MSG ⚠ Data out of range;The value 35 was clipped to the maximum value of 33.2.   STATUS

Frequency

Auto Tune

Center Freq
6.875000000 GHz

Start Freq
1.000000000 GHz
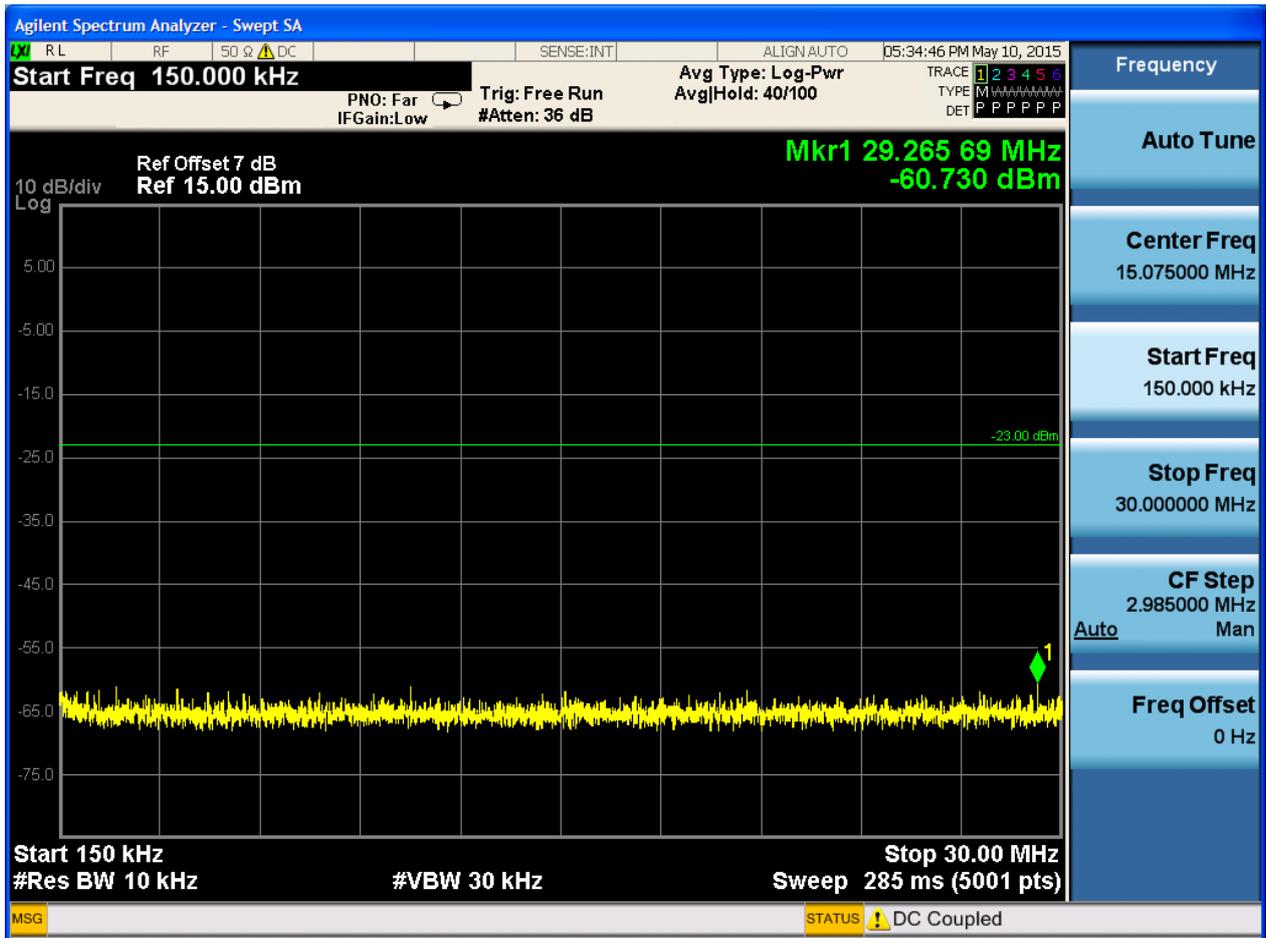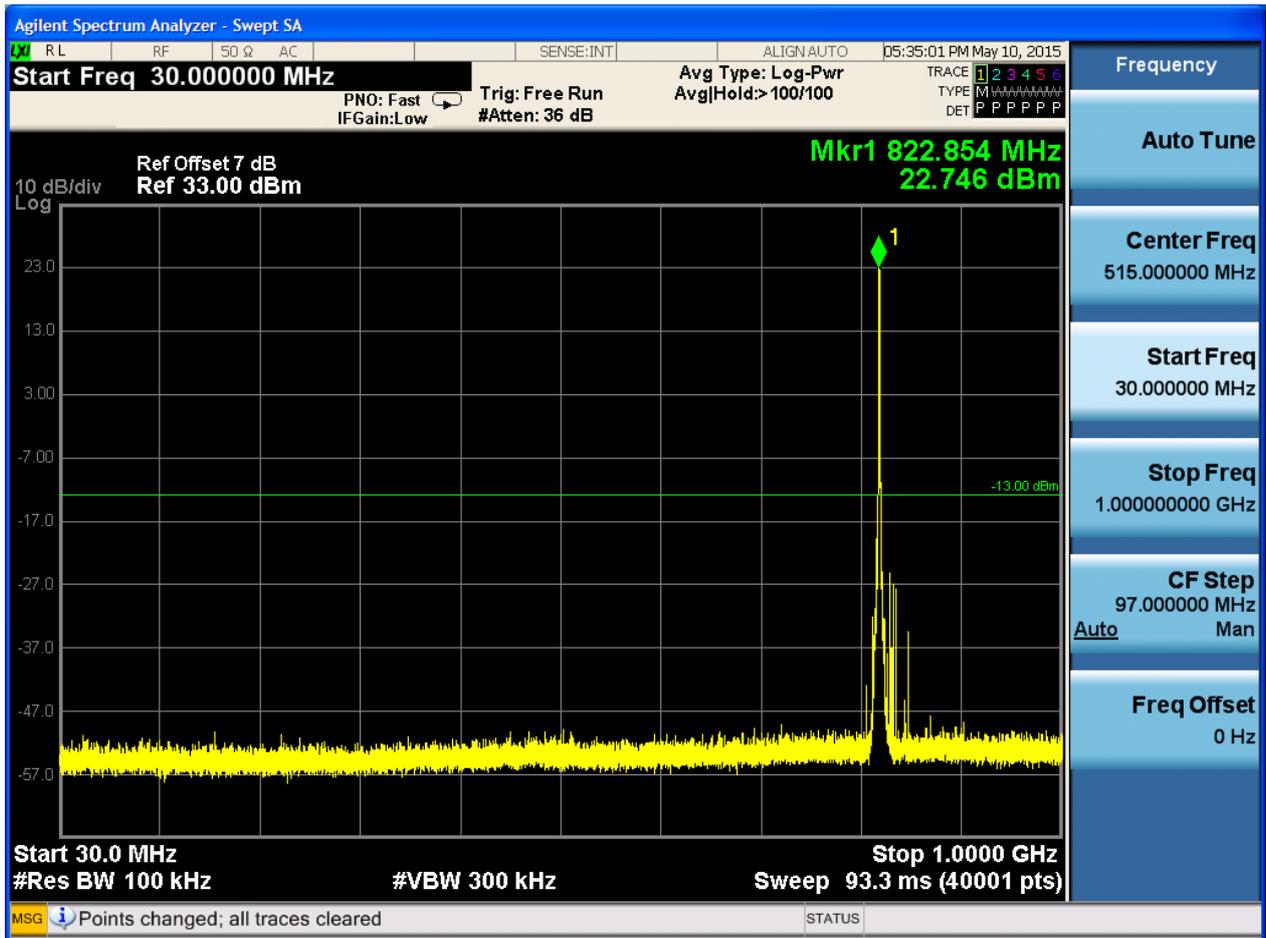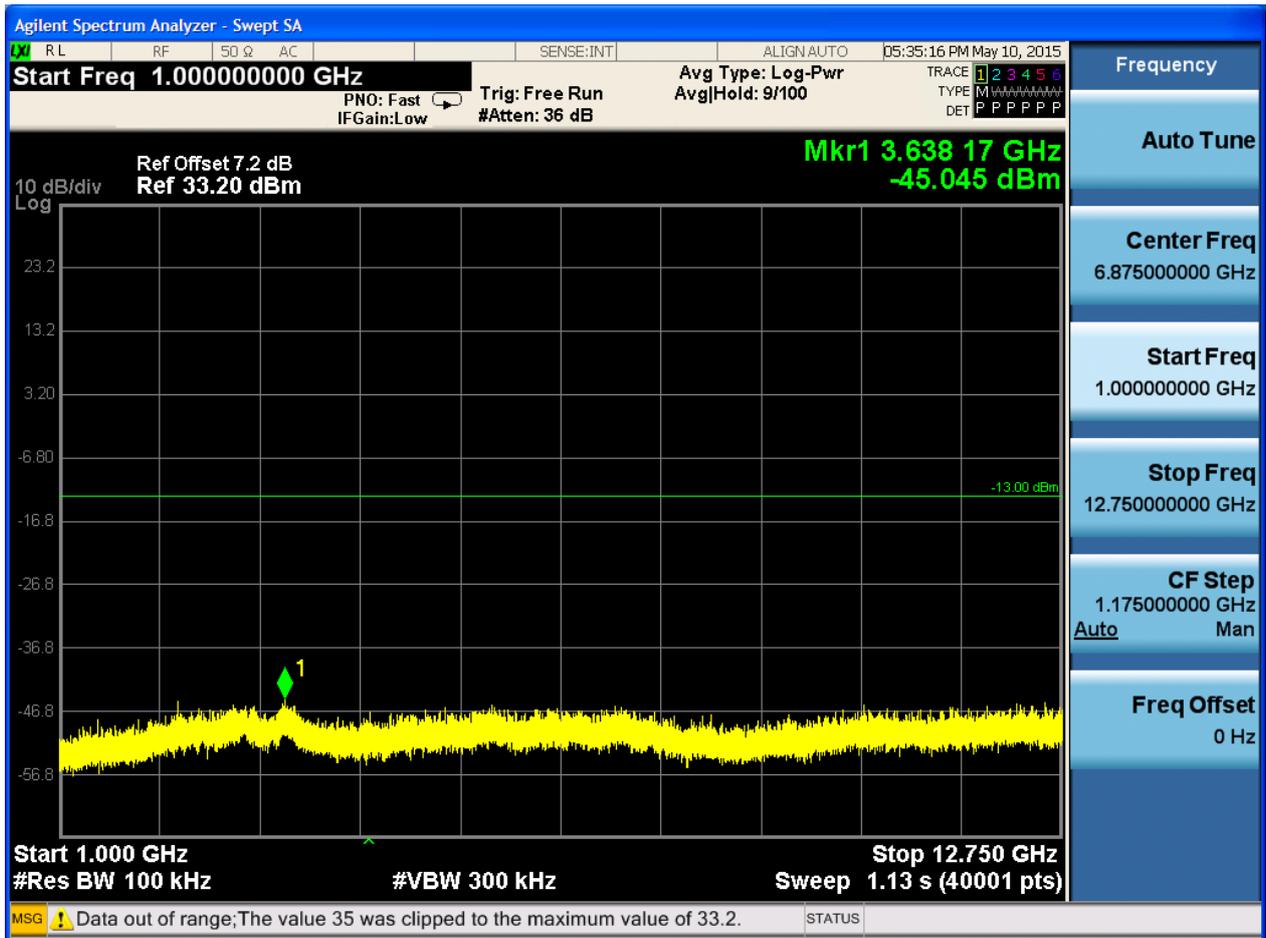
Stop Freq
12.750000000 GHz

CF Step
1.175000000 GHz
Auto   Man

Freq Offset
0 Hz
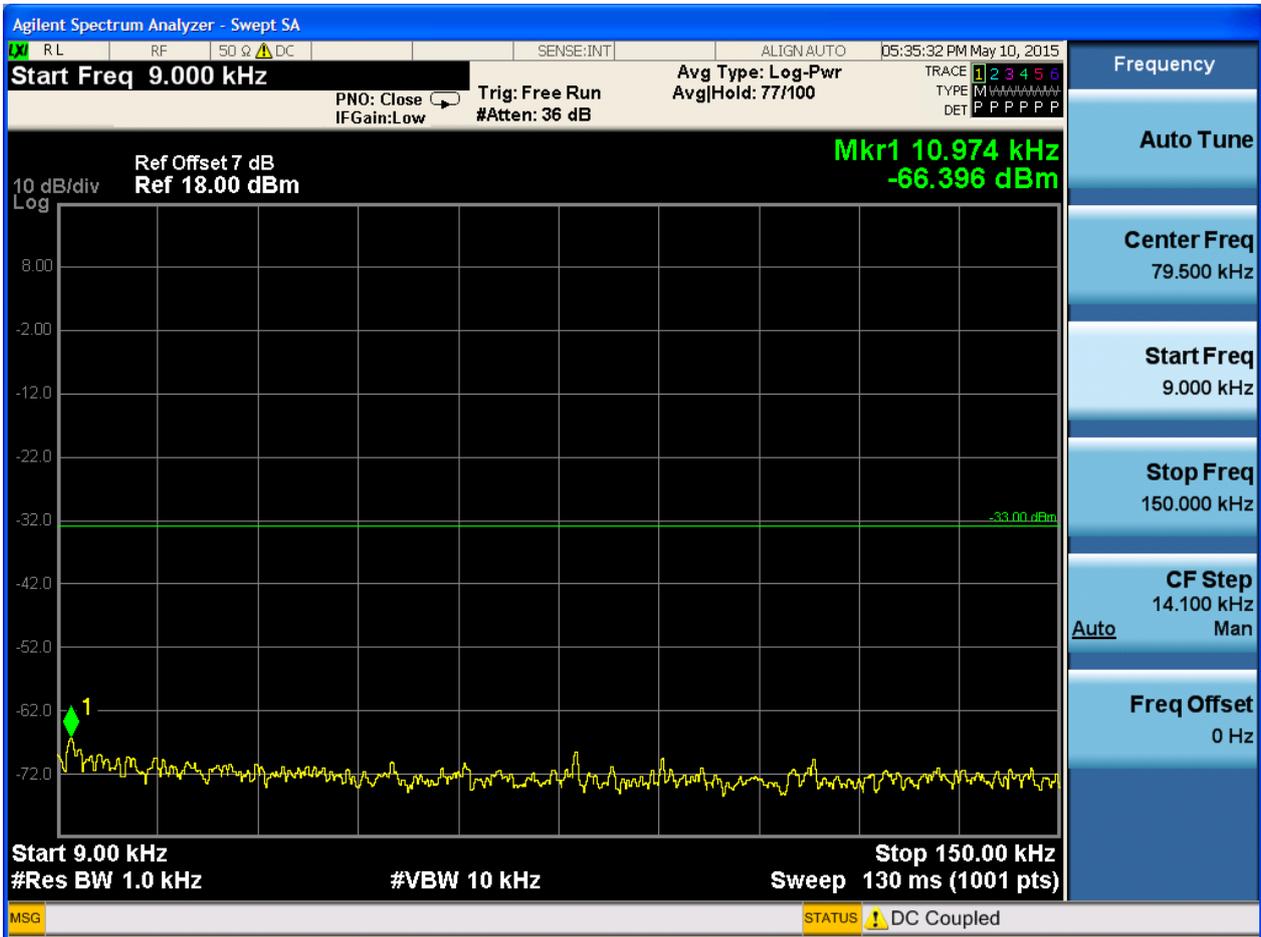
6.1.1.5.3 Test Channel = HCH

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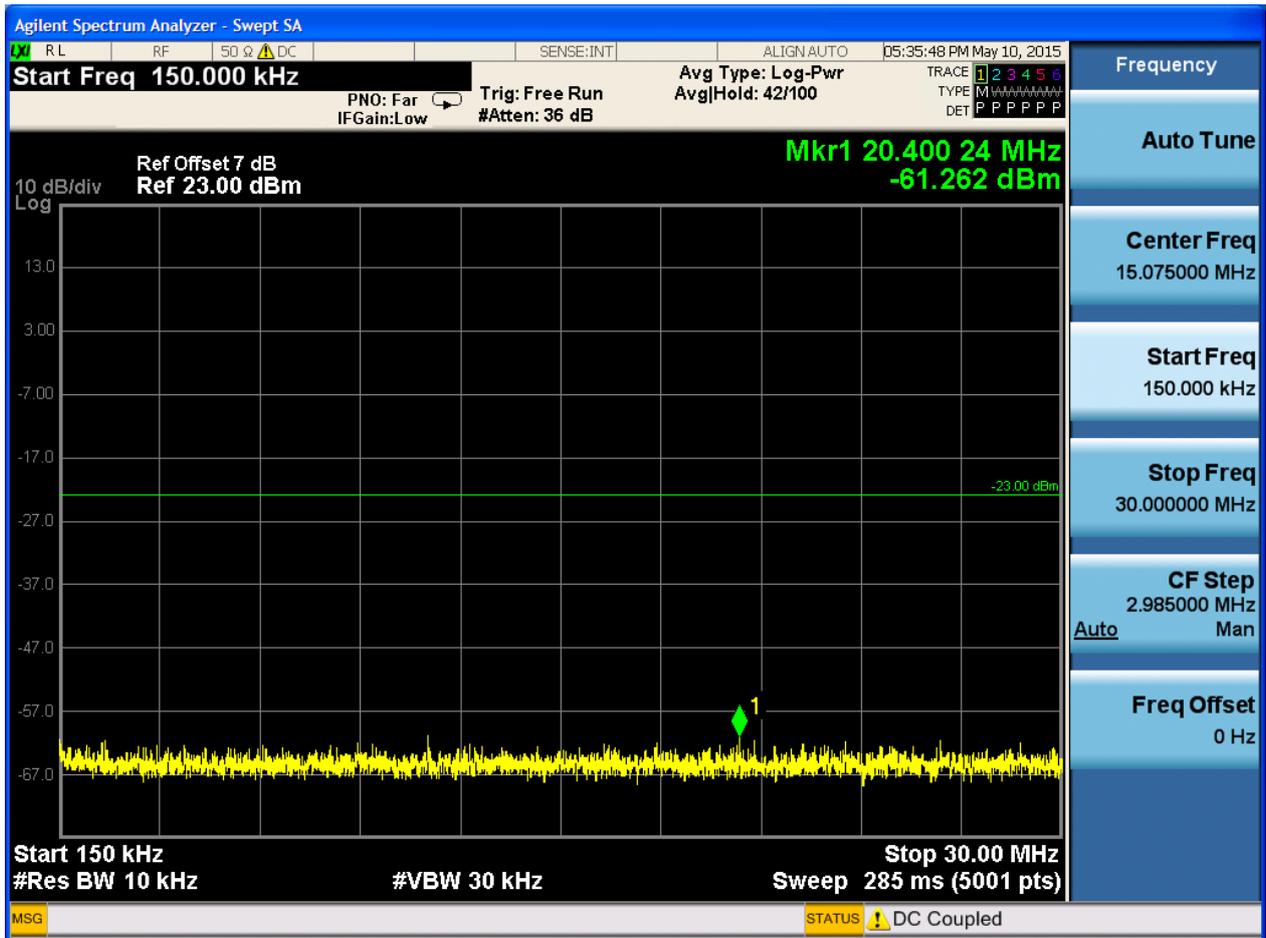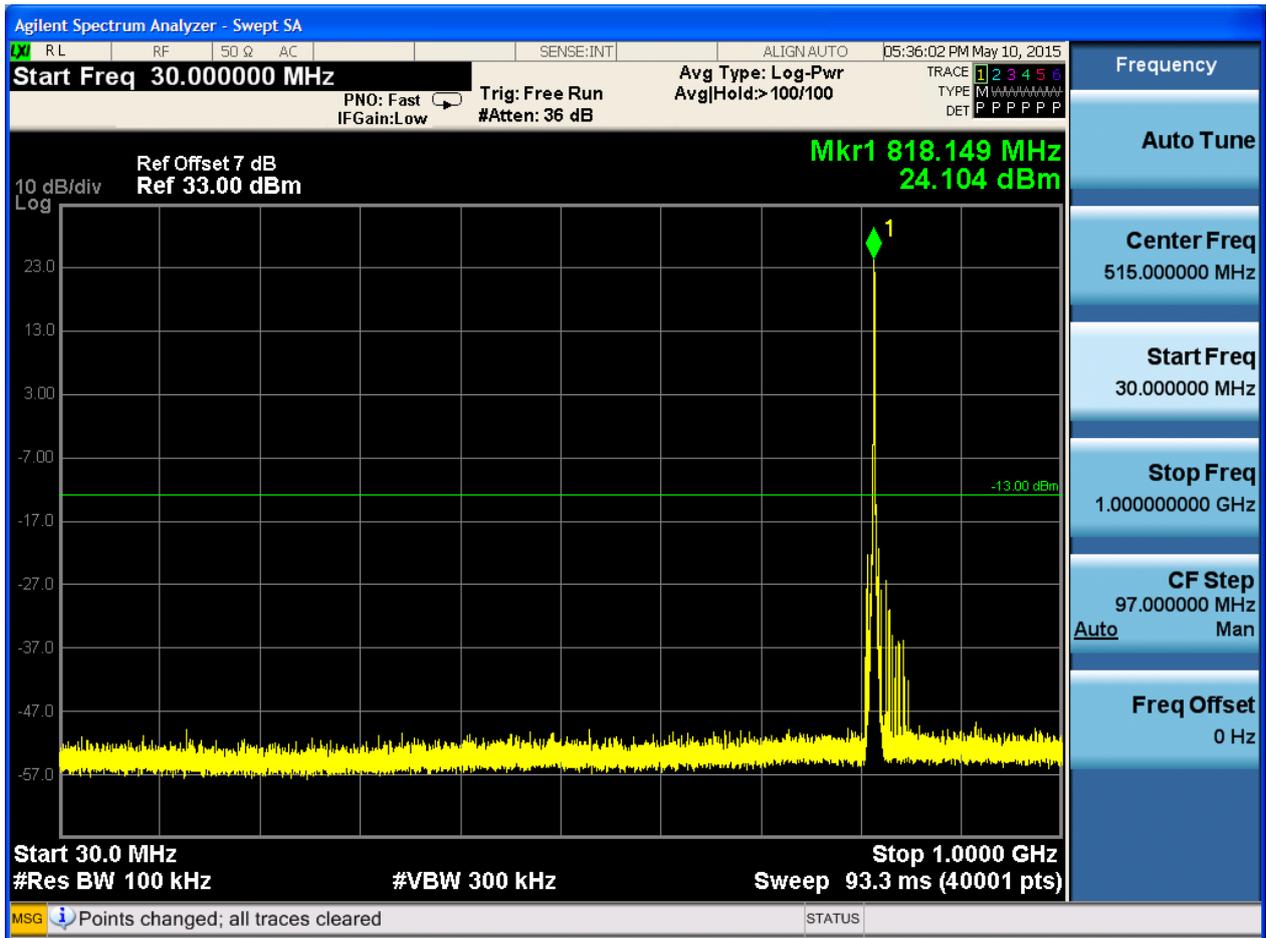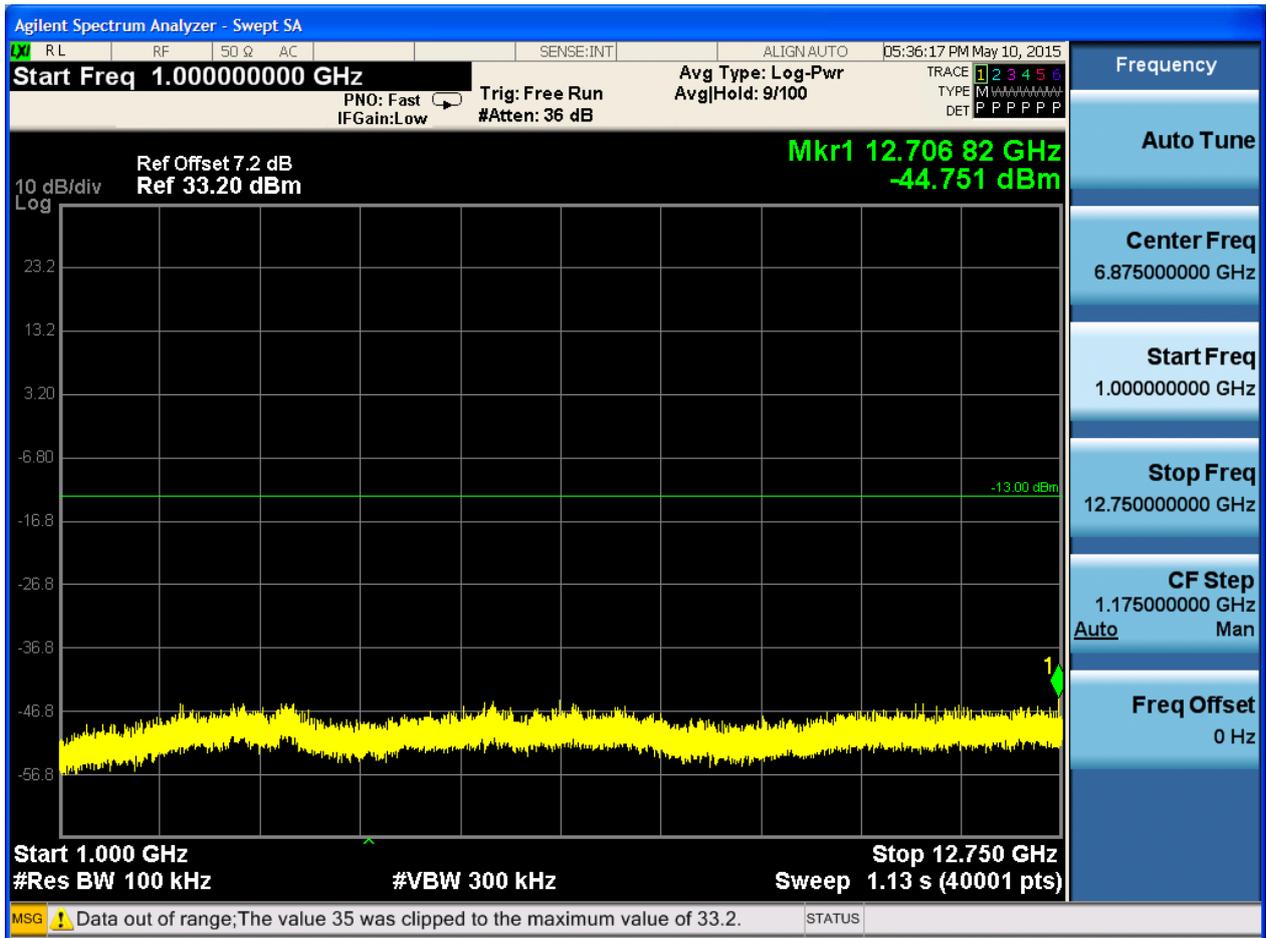Copyright © Huawei Technologies Co., Ltd.

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

6.1.1.6.1 Test Channel = LCH

Agilent Spectrum Analyzer - Swept SA

LXI R L   RF   50 Ω ⚠ DC   SENSE:INT   ALIGN AUTO   05:35:48 PM May 10, 2015

Start Freq 150.000 kHz
PNO: Far   Trig: Free Run   Avg Type: Log-Pwr   TRACE 1 2 3 4 5 6
IFGain:Low   #Atten: 36 dB   Avg|Hold: 42/100   TYPE M WWWWW
DET P P P P P

Ref Offset 7 dB
10 dB/div   **Ref 23.00 dBm**
Log

13.0

3.00

-7.00

-17.0
-23.00 dBm
-27.0

-37.0

-47.0

-57.0   1

-67.0

Mkr1 20.400 24 MHz
-61.262 dBm

Start 150 kHz   **Stop 30.00 MHz**
#Res BW 10 kHz   #VBW 30 kHz   Sweep 285 ms (5001 pts)

MSG   STATUS ⚠ DC Coupled

Frequency

Auto Tune

Center Freq
15.075000 MHz

Start Freq
150.000 kHz

Stop Freq
30.000000 MHz

CF Step
2.985000 MHz
Auto   Man

Freq Offset
0 Hz

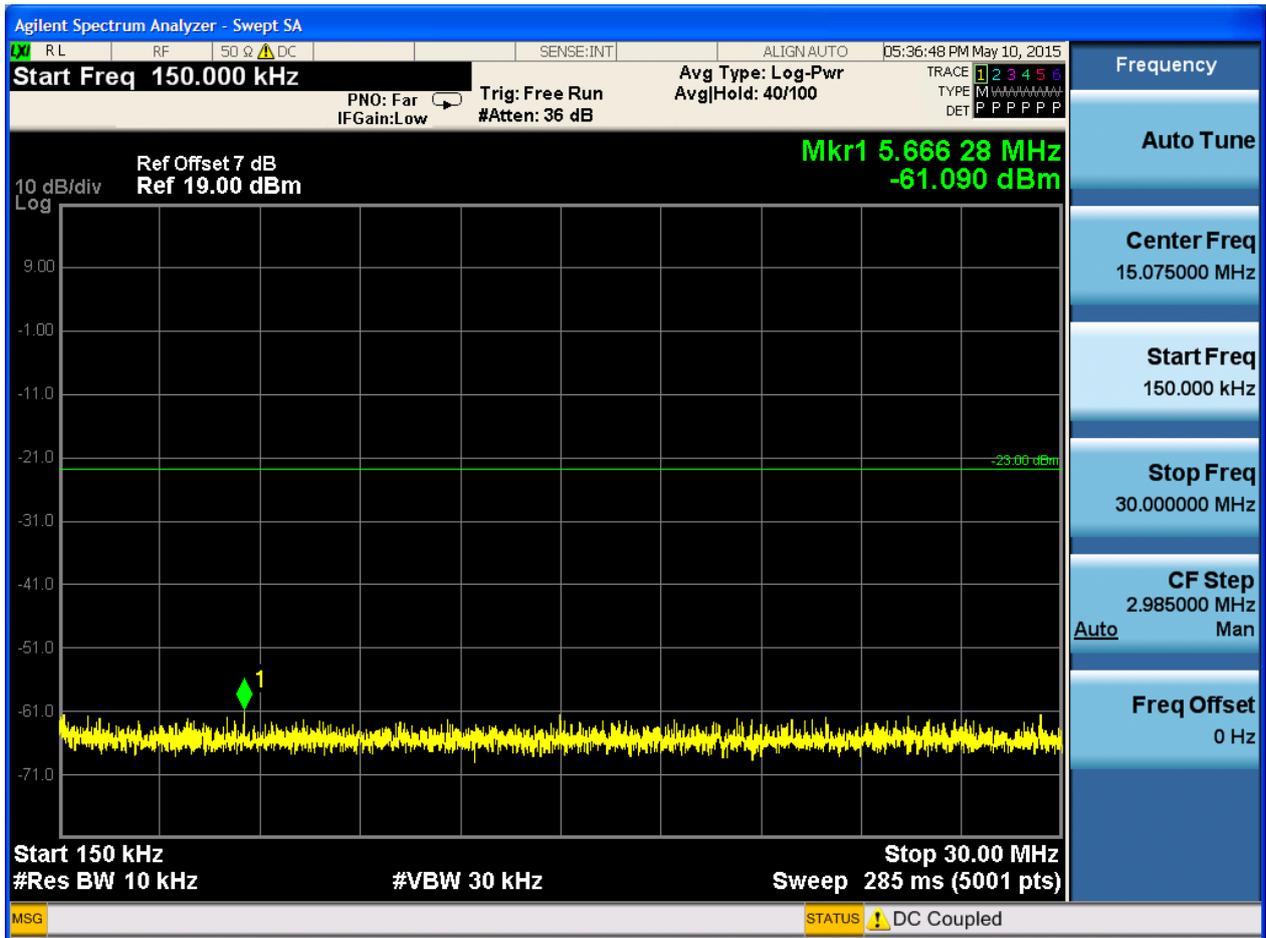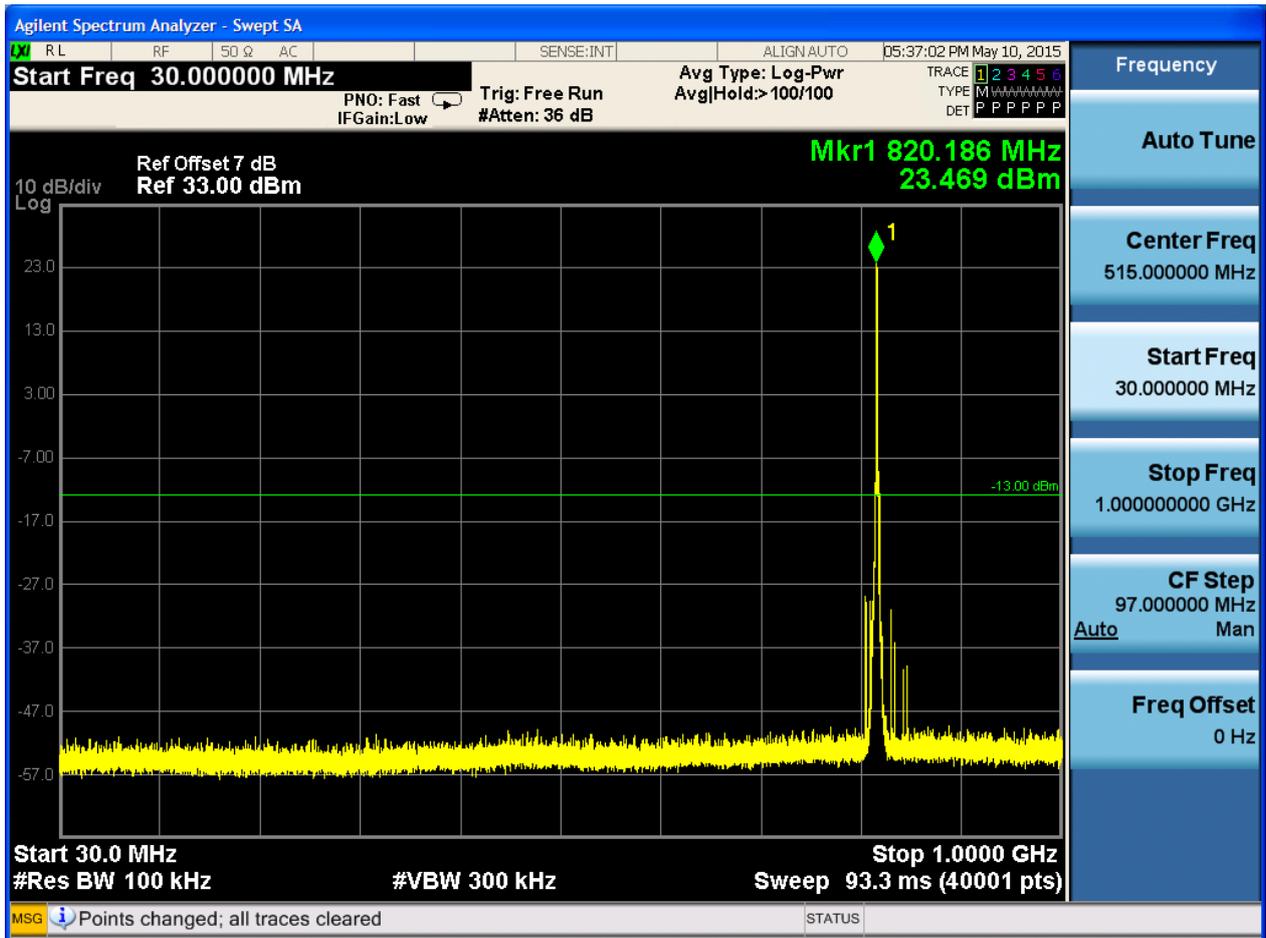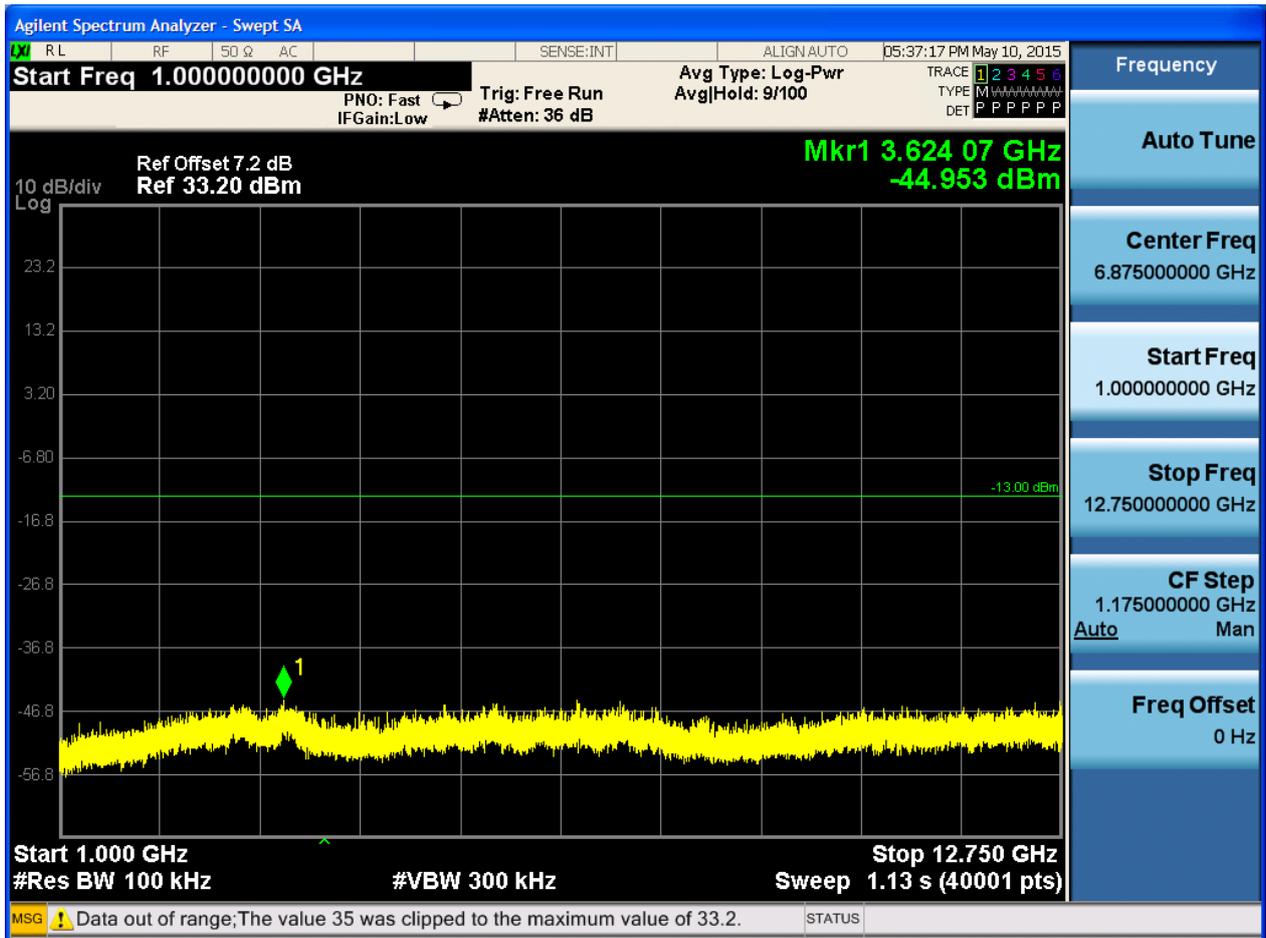## 6.1.1.6.2 Test Channel = MCH

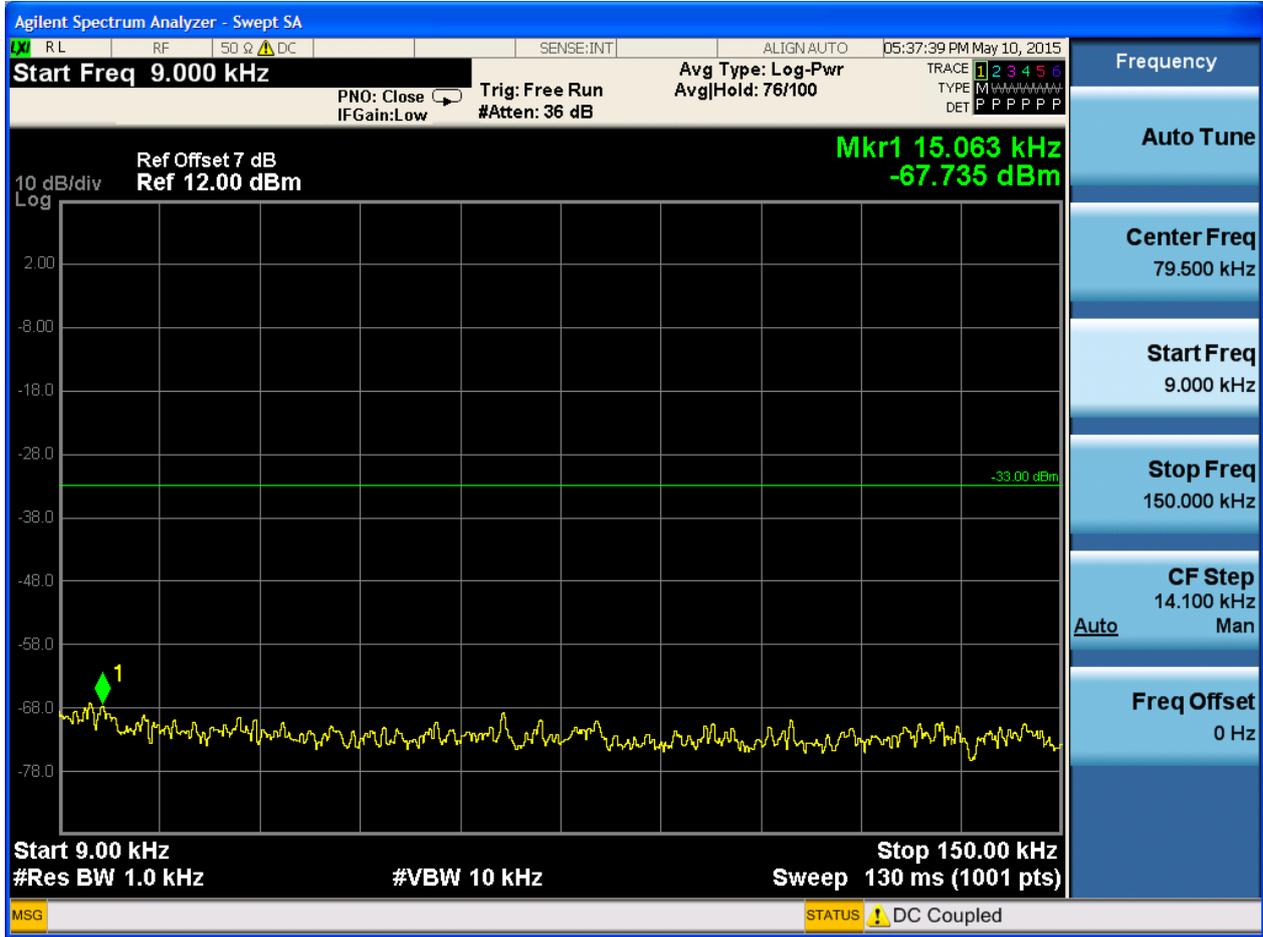## 6.1.1.6.3 Test Channel = HCH
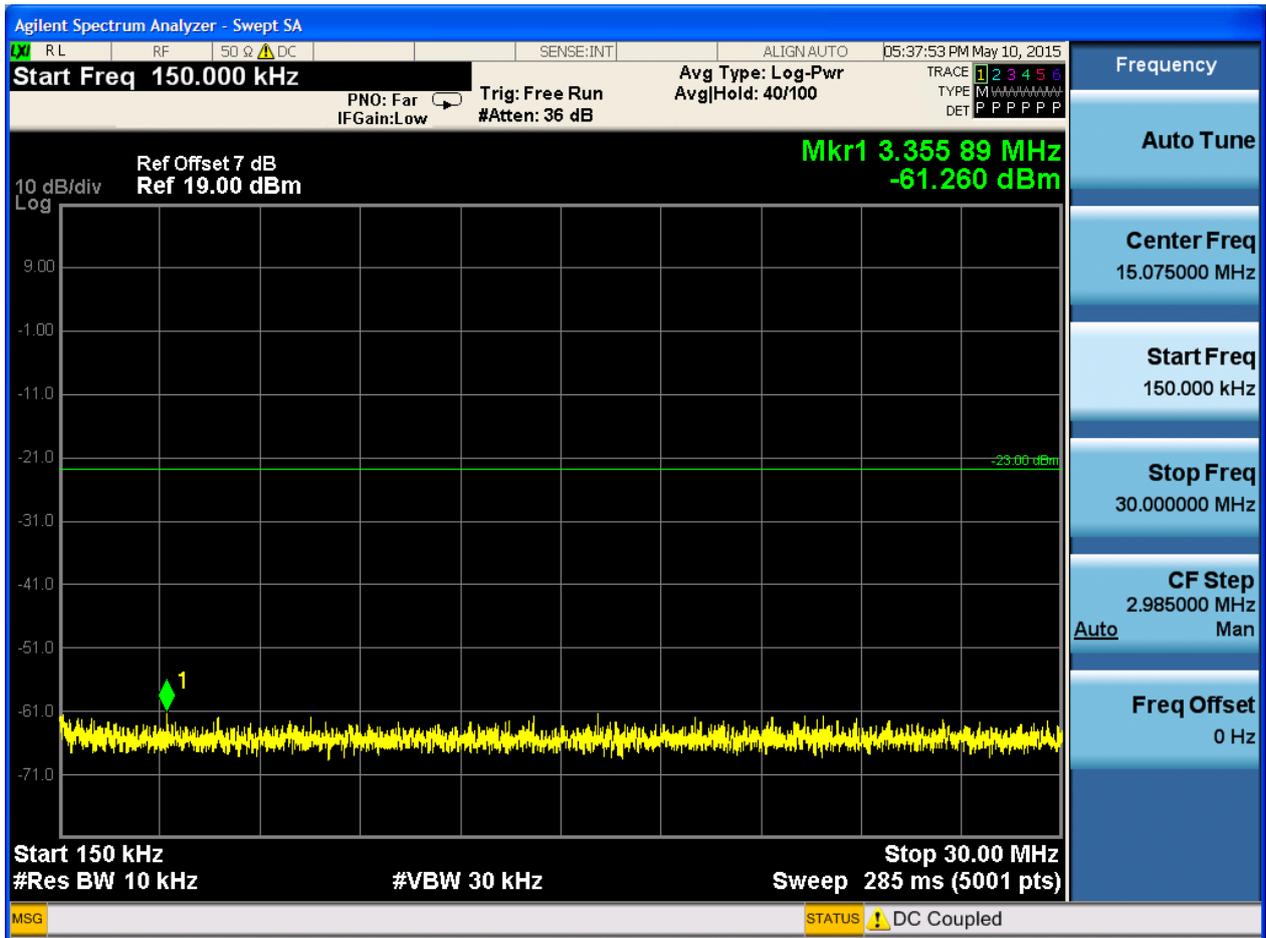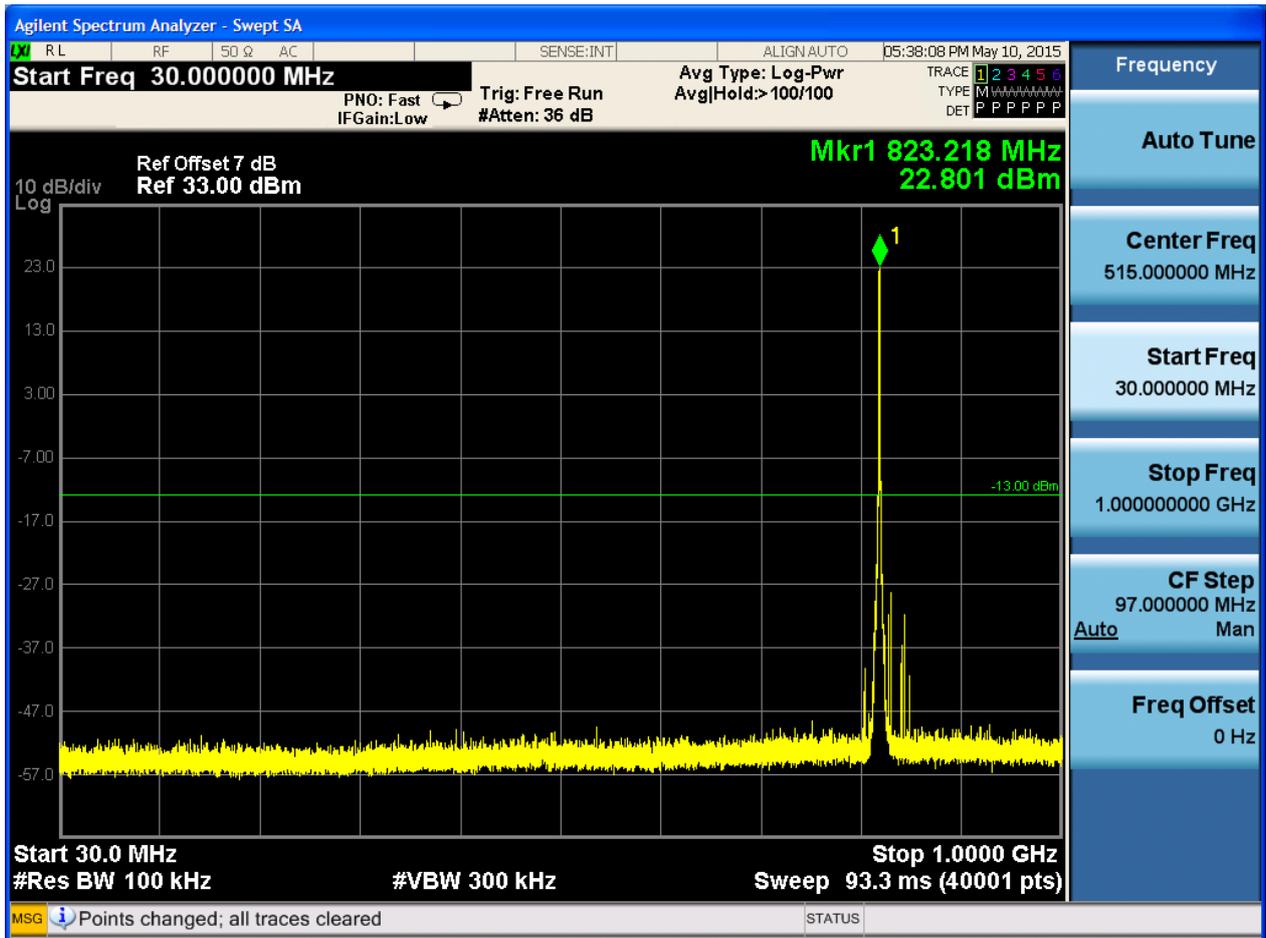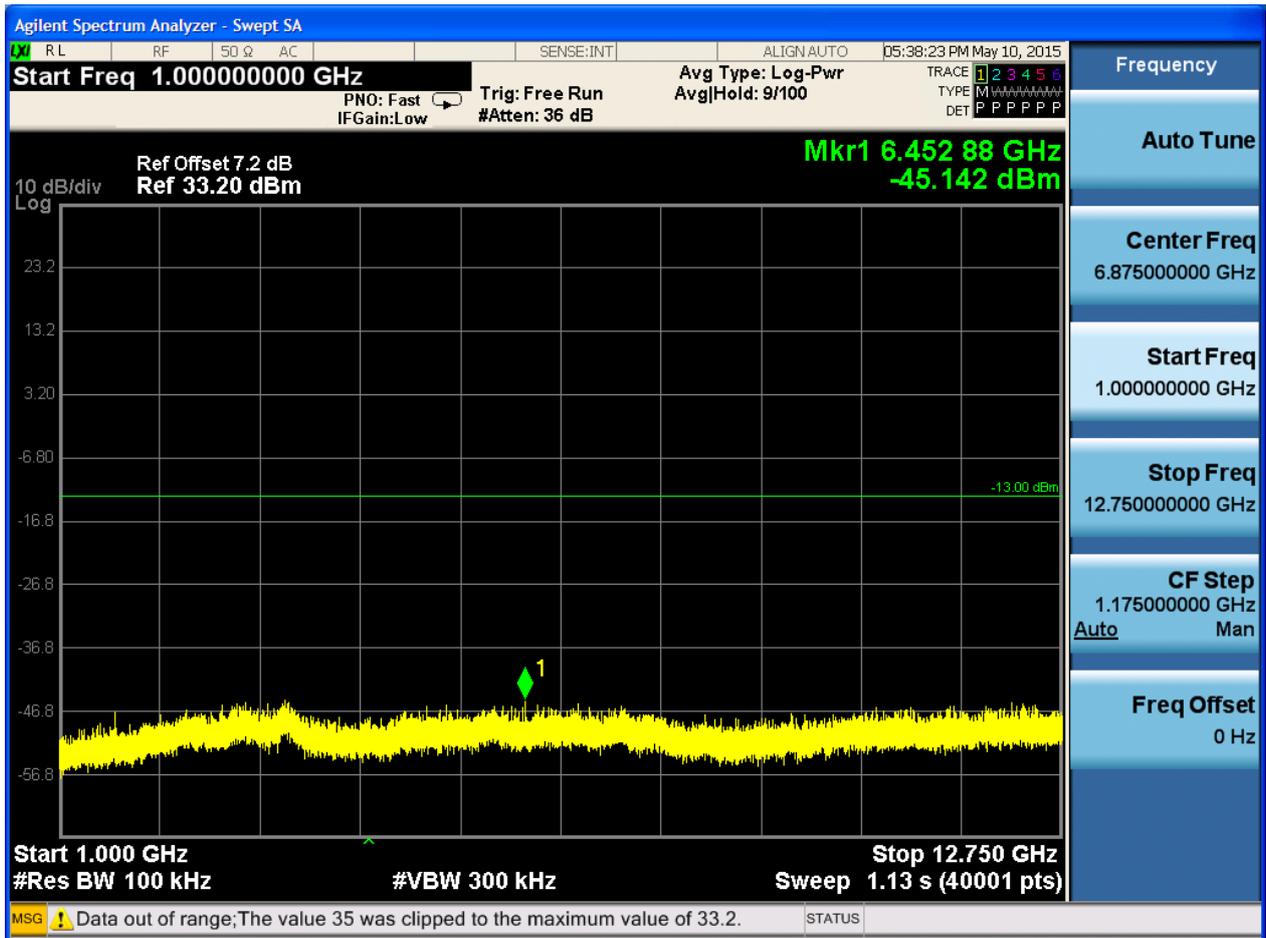
7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

7.1 For CDMA/1X

7.1.1 Test Band = BC10

7.2 For CDMA/EV-DO

7.2.1 Test Band = BC10
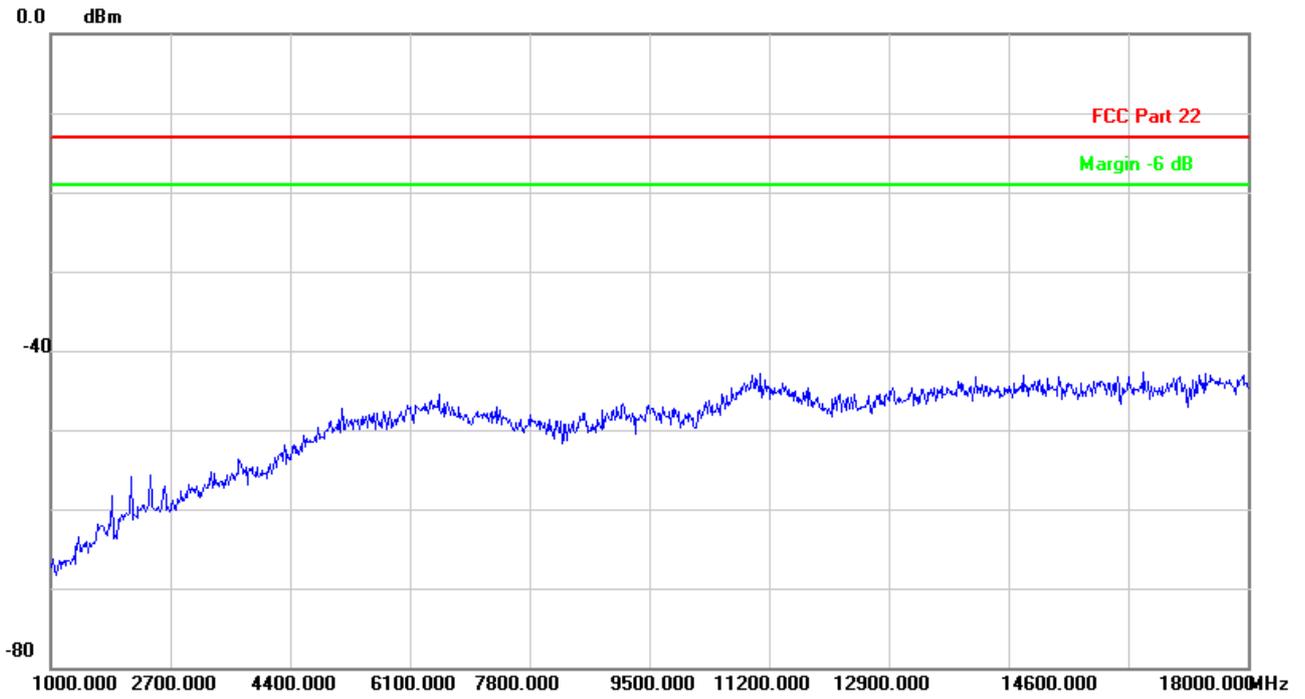
8Appendix_H: Frequency Stability

8.1 For CDMA/1X

8.1.1Frequency Error vs. Voltage:

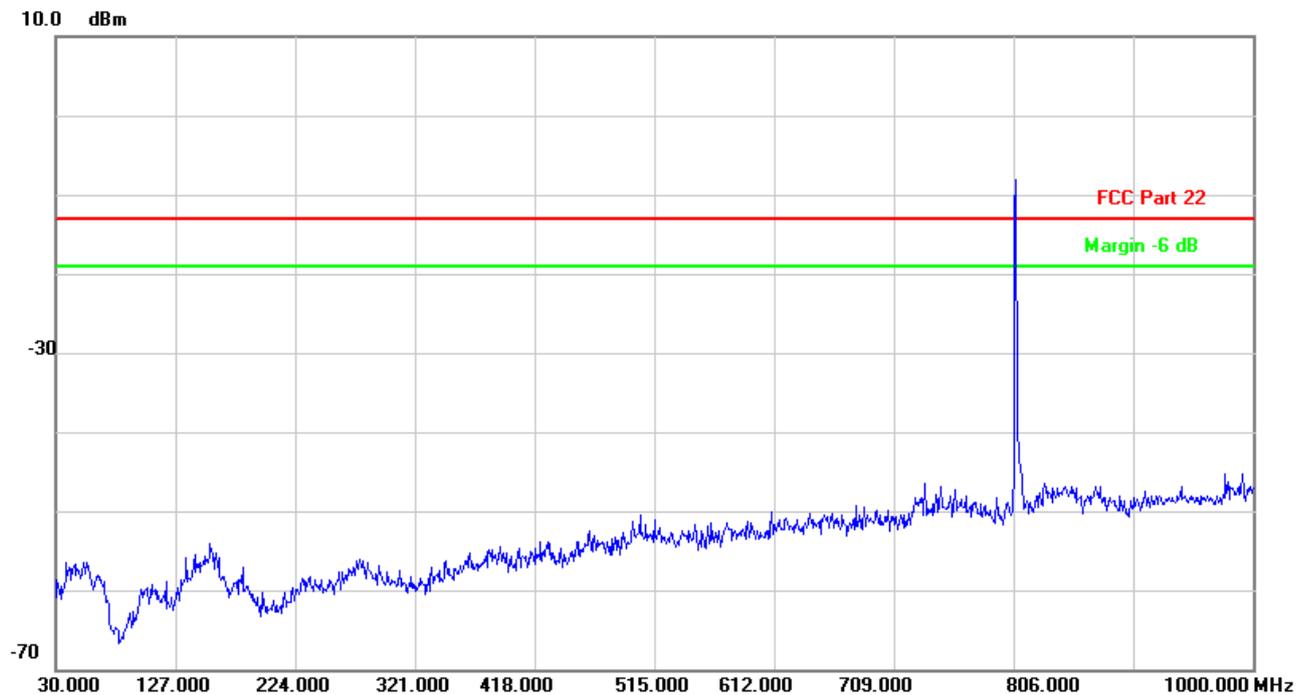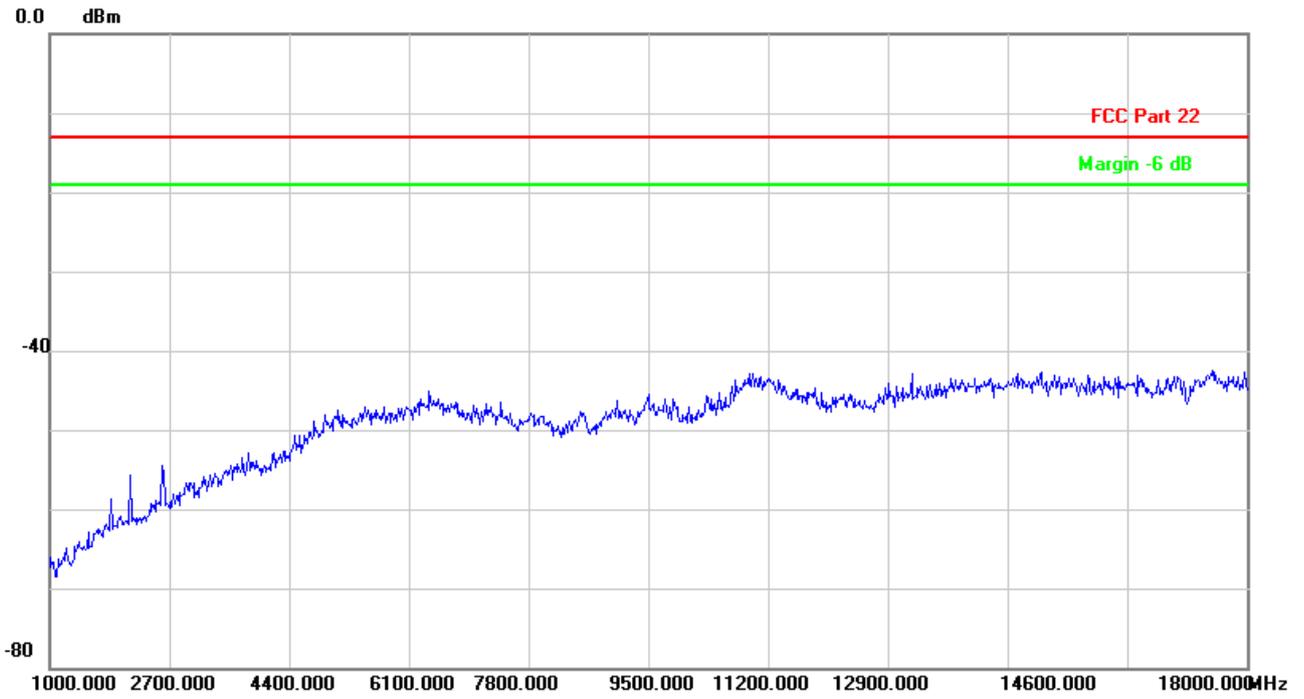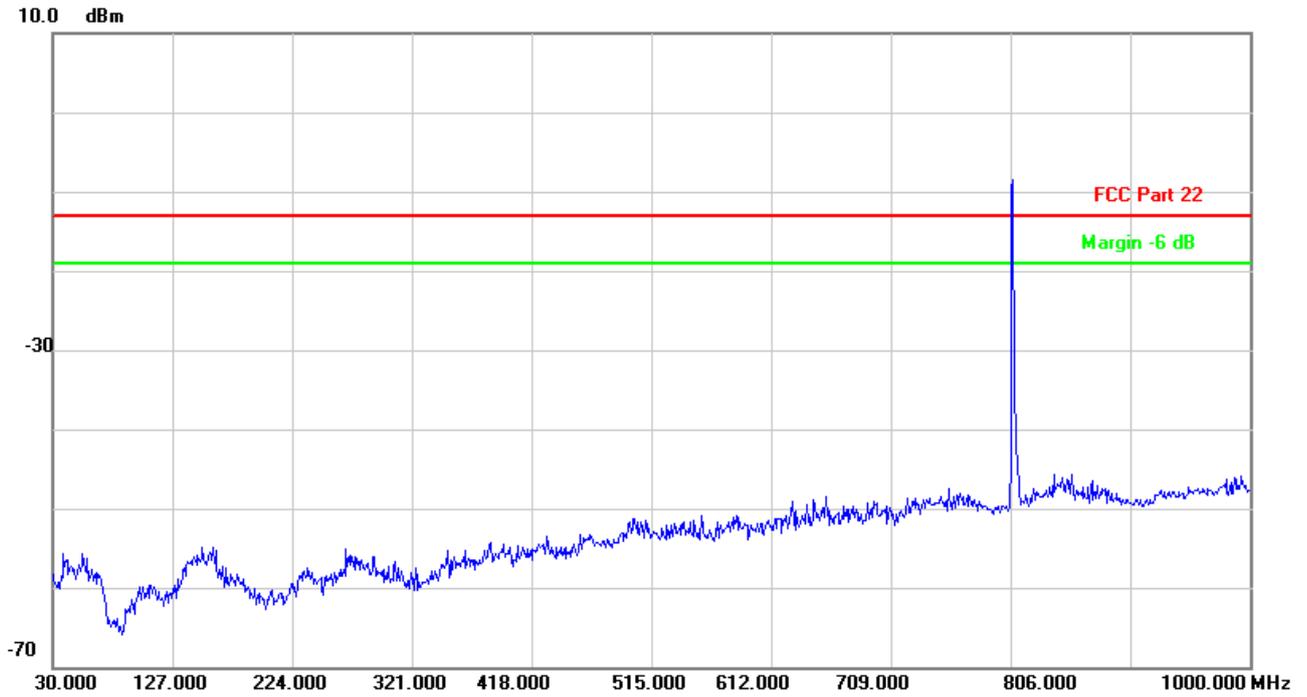| Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BC10	CDMA/1X/TM1	LCH	TN	VL	1.5381	0.00186	PASS
				VN	1.0254	0.00124	PASS
				VH	0.293	0.00035	PASS
		MCH	TN	VL	1.0986	0.00132	PASS
				VN	0.6592	0.00079	PASS
				VH	0.6592	0.00079	PASS
		HCH	TN	VL	0.8789	0.00105	PASS
				VN	0.6592	0.00079	PASS
				VH	0.4395	0.00052	PASS
	CDMA/1X/TM3	LCH	TN	VL	0.9521	0.00115	PASS
				VN	-0.8789	-0.00106	PASS
				VH	-0.5859	-0.00071	PASS
		MCH	TN	VL	-0.5127	-0.00062	PASS
				VN	-0.3662	-0.00044	PASS
				VH	-0.293	-0.00035	PASS
		HCH	TN	VL	-6.8115	-0.00813	PASS
				VN	-1.5381	-0.00184	PASS
				VH	-1.0986	-0.00131	PASS
	CDMA/EV-DO/Subtype0	LCH	TN	VL	-0.22	-0.00027	PASS
				VN	-0.29	-0.00035	PASS
				VH	-0.37	-0.00045	PASS
		MCH	TN	VL	0.4395	0.00053	PASS
				VN	0.3662	0.00044	PASS
				VH	0.293	0.00035	PASS
		HCH	TN	VL	1.0986	0.00132	PASS
				VN	0.4395	0.00052	PASS
				VH	0.293	0.00035	PASS
	CDMA/EV-DO/Subtype2	LCH	TN	VL	-15.09	-0.01823	PASS
				VN	-2.12	-0.00256	PASS
				VH	-6.01	-0.00726	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	-5.13	-0.00618	PASS
				VN	3.37	0.00406	PASS
				VH	-3.15	-0.00379	PASS
		HCH	TN	VL	-6.23	-0.00743	PASS
				VN	3.74	0.00446	PASS
				VH	-16.85	-0.0201	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BC10	CDMA/1X/TM1	LCH	VN	-30	0.8057	0.00097	PASS
				-20	0.4395	0.00053	PASS
				-10	0.3662	0.00044	PASS
				0	0.3662	0.00044	PASS
				10	0.293	0.00035	PASS
				20	0.3662	0.00044	PASS
				30	0.5859	0.00071	PASS
				40	0.3662	0.00044	PASS
				50	0.3662	0.00044	PASS
		MCH	VN	-30	0.3662	0.00044	PASS
				-20	0.8057	0.00097	PASS
				-10	0.7324	0.00088	PASS
				0	0.4395	0.00053	PASS
				10	0.3662	0.00044	PASS
				20	0.2197	0.00026	PASS
				30	0.5127	0.00062	PASS
				40	0.5859	0.00071	PASS
				50	0.293	0.00035	PASS
		HCH	VN	-30	0.4395	0.00052	PASS
				-20	0.5127	0.00061	PASS
				-10	0.293	0.00035	PASS
				0	0.5127	0.00061	PASS
				10	0.1465	0.00017	PASS
				20	0.0732	0.00009	PASS
				30	0.4395	0.00052	PASS
				40	0.4395	0.00052	PASS
				50	0.293	0.00035	PASS
	CDMA/1X/TM3	LCH	VN	-30	-0.6592	-0.0008	PASS
				-20	-0.9521	-0.00115	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-10	-0.4395	-0.00053	PASS
				0	-0.4395	-0.00053	PASS
				10	-0.5859	-0.00071	PASS
				20	-0.5127	-0.00062	PASS
				30	-0.1465	-0.00018	PASS
				40	-0.1465	-0.00018	PASS
				50	-0.6592	-0.0008	PASS
		MCH	VN	-30	-0.0732	-0.00009	PASS
				-20	-0.0732	-0.00009	PASS
				-10	-0.2197	-0.00026	PASS
				0	-0.2197	-0.00026	PASS
				10	-0.3662	-0.00044	PASS
				20	-0.0732	-0.00009	PASS
				30	0.1465	0.00018	PASS
				40	-0.4395	-0.00053	PASS
				50	0.2197	0.00026	PASS
		HCH	VN	-30	-0.5859	-0.0007	PASS
				-20	-0.5127	-0.00061	PASS
				-10	-0.5127	-0.00061	PASS
				0	-0.6592	-0.00079	PASS
				10	-0.293	-0.00035	PASS
				20	-0.0732	-0.00009	PASS
				30	-0.293	-0.00035	PASS
				40	-0.5859	-0.0007	PASS
				50	-0.1465	-0.00017	PASS
	CDMA/EV-DO/Subtype0	LCH	VN	-30	-8.5000	-0.01027	PASS
				-20	2.2000	0.00266	PASS
				-10	-15.5300	-0.01876	PASS
				0	-4.5400	-0.00548	PASS
				10	10.9900	0.01327	PASS
				20	6.0800	0.00734	PASS
				30	-7.9100	-0.00955	PASS
				40	1.0300	0.00124	PASS
				50	4.4700	0.0054	PASS
		MCH	VN	-30	-11.9400	-0.01438	PASS
				-20	-9.8900	-0.01191	PASS
				-10	-2.4900	-0.003	PASS
				0	11.2800	0.01358	PASS
				10	-1.7600	-0.00212	PASS
				20	0.7300	0.00088	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				30	-13.7700	-0.01658	PASS
				40	3.0800	0.00371	PASS
				50	-12.7400	-0.01534	PASS
		HCH	VN	-30	7.9100	0.00944	PASS
				-20	-9.5200	-0.01136	PASS
				-10	-14.5800	-0.0174	PASS
				0	12.3000	0.01468	PASS
				10	-3.2200	-0.00384	PASS
				20	2.2700	0.00271	PASS
				30	-13.3300	-0.01591	PASS
				40	-1.4600	-0.00174	PASS
				50	-15.7500	-0.01879	PASS
	CDMA/EV-DO/Subtype2	LCH	VN	-30	1.0254	0.00125	PASS
				-20	1.3916	0.0017	PASS
				-10	1.2451	0.00152	PASS
				0	1.1719	0.00143	PASS
				10	1.3184	0.00161	PASS
				20	1.6846	0.00206	PASS
				30	1.3916	0.0017	PASS
				40	0.9521	0.00116	PASS
				50	1.0986	0.00134	PASS
		MCH	VN	-30	0.3662	0.00045	PASS
				-20	0.5859	0.00071	PASS
				-10	0.5859	0.00071	PASS
				0	0.2197	0.00027	PASS
				10	0.9521	0.00116	PASS
				20	0.5127	0.00062	PASS
				30	0.2930	0.00036	PASS
				40	0.0732	0.00009	PASS
				50	0.2930	0.00036	PASS
		HCH	VN	-30	0.1465	0.00018	PASS
				-20	0.4395	0.00053	PASS
				-10	0.2930	0.00036	PASS
				0	0.0732	0.00009	PASS
				10	0.1465	0.00018	PASS
				20	0.1465	0.00018	PASS
				30	0.2930	0.00036	PASS
				40	0.1465	0.00018	PASS
				50	0.5859	0.00071	PASS

END