



# Appendix for test report



## 1 Appendix\_A: Transmit Output Power Data

### Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dBm]	ERP/EIRP[dBm]	Limit [dBm]	Verdict
BC0	CDMA/1X/TM1	LCH	24.75	23.6	38.5	PASS
		MCH	24.76	23.61	38.5	PASS
		HCH	24.65	23.5	38.5	PASS
	CDMA/1X/TM3	LCH	24.77	23.62	38.5	PASS
		MCH	24.79	23.64	38.5	PASS
		HCH	24.62	23.47	38.5	PASS
BC10	CDMA/1X/TM1	LCH	24.55	24.4	50	PASS
		MCH	24.52	24.37	50	PASS
		HCH	24.54	24.39	50	PASS
	CDMA/1X/TM3	LCH	24.54	24.39	50	PASS
		MCH	24.49	24.34	50	PASS
		HCH	24.51	24.36	50	PASS
BC1	CDMA/1X/TM1	LCH	24.46	25.46	33	PASS
		MCH	24.28	25.28	33	PASS
		HCH	24.13	25.13	33	PASS
	CDMA/1X/TM3	LCH	24.44	25.44	33	PASS
		MCH	24.28	25.28	33	PASS
		HCH	24.19	25.19	33	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,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

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

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
BC1	CDMA/1X/TM1	LCH	4.67	13	PASS
		MCH	4.72	13	PASS
		HCH	4.74	13	PASS
	CDMA/1X/TM3	LCH	3.99	13	PASS
		MCH	4.08	13	PASS
		HCH	4.24	13	PASS

### 3Appendix\_C: Modulation Characteristics

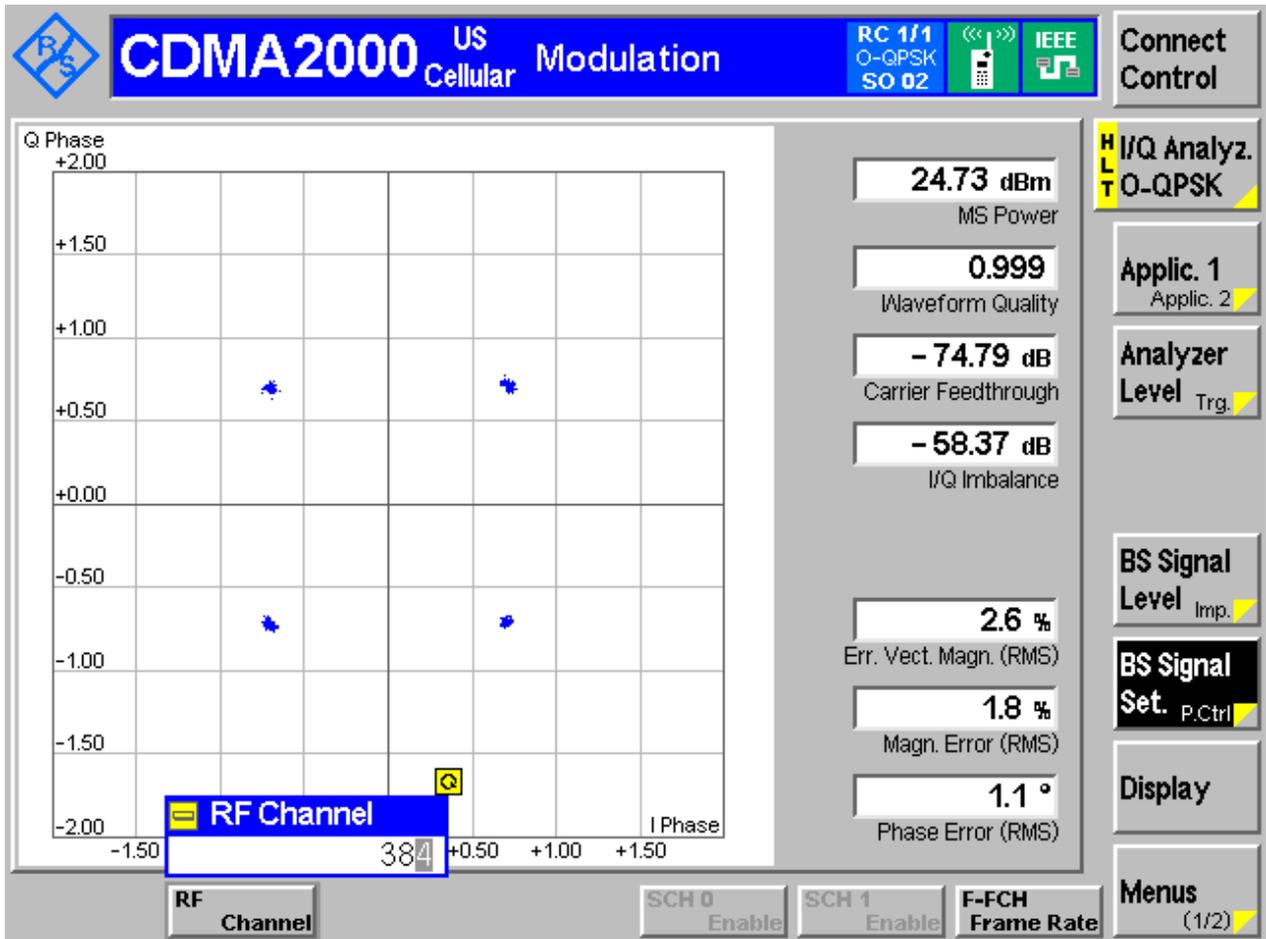
#### Part I - Test Plots

##### 3.1 For CDMA/1X

##### 3.1.1 Test Band = BC0

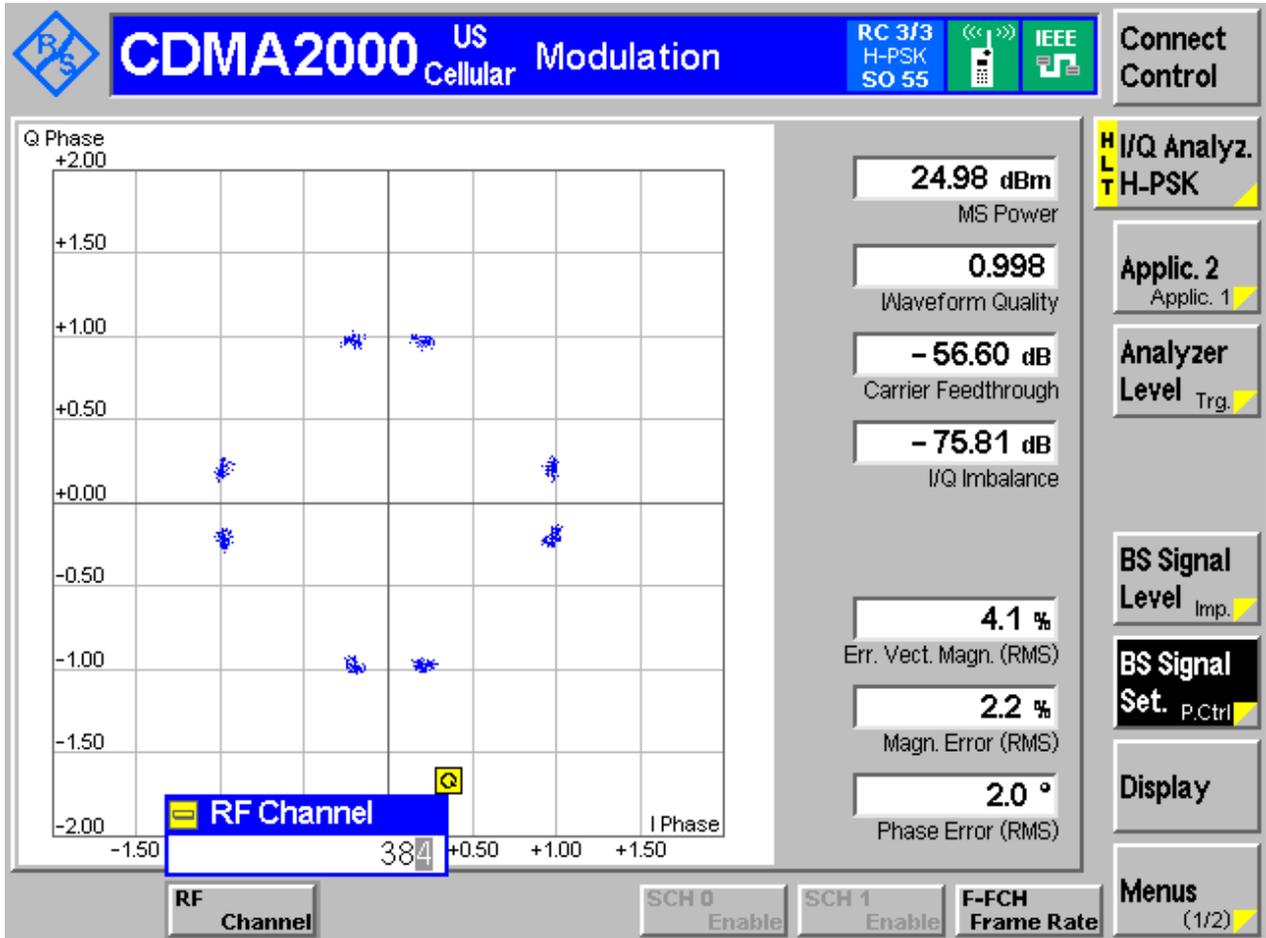
##### 3.1.1.1 Test Mode = CDMA/1X/TM1

##### 3.1.1.1.1 Test Channel = MCH



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

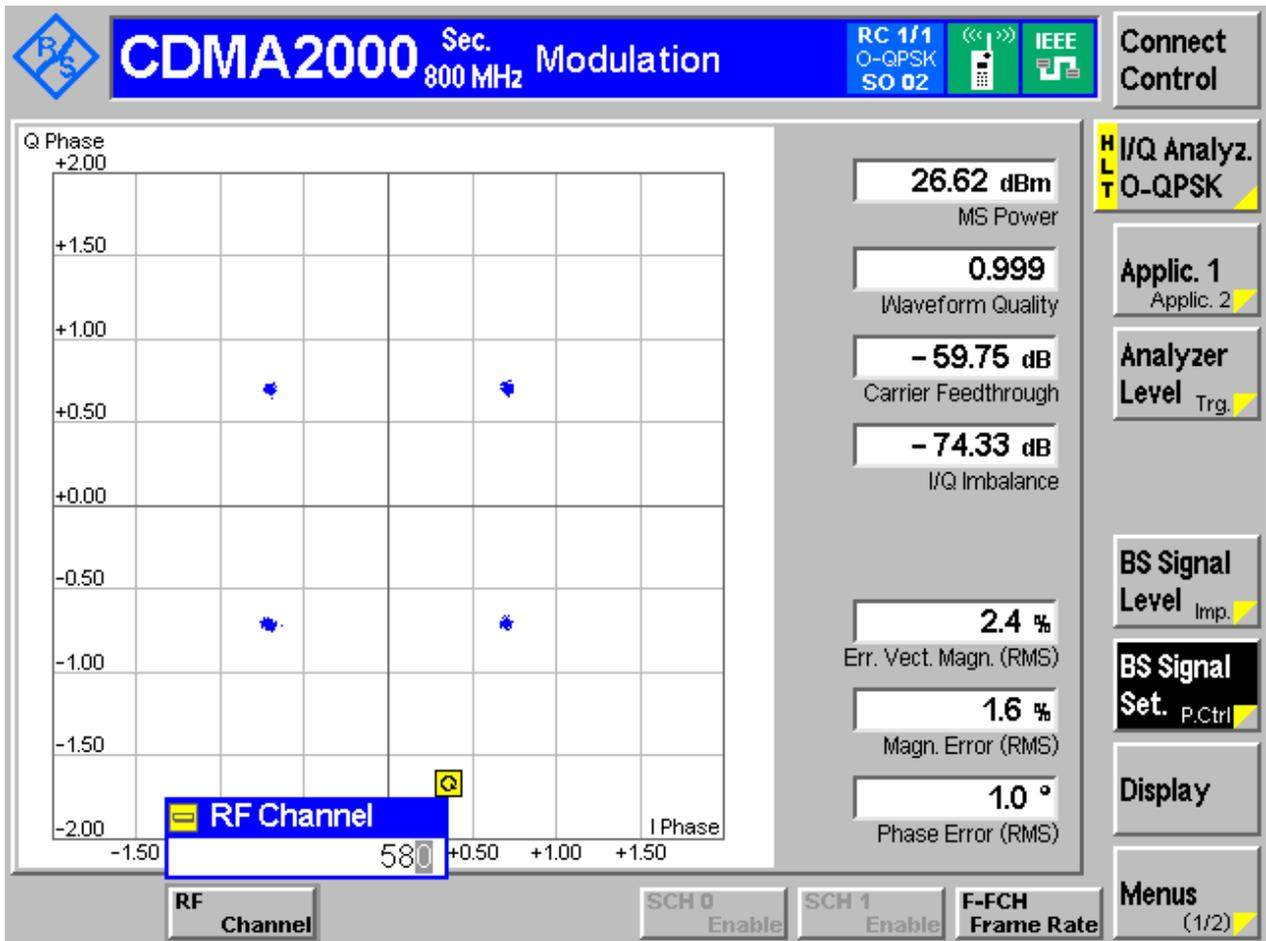
#### 3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = BC10

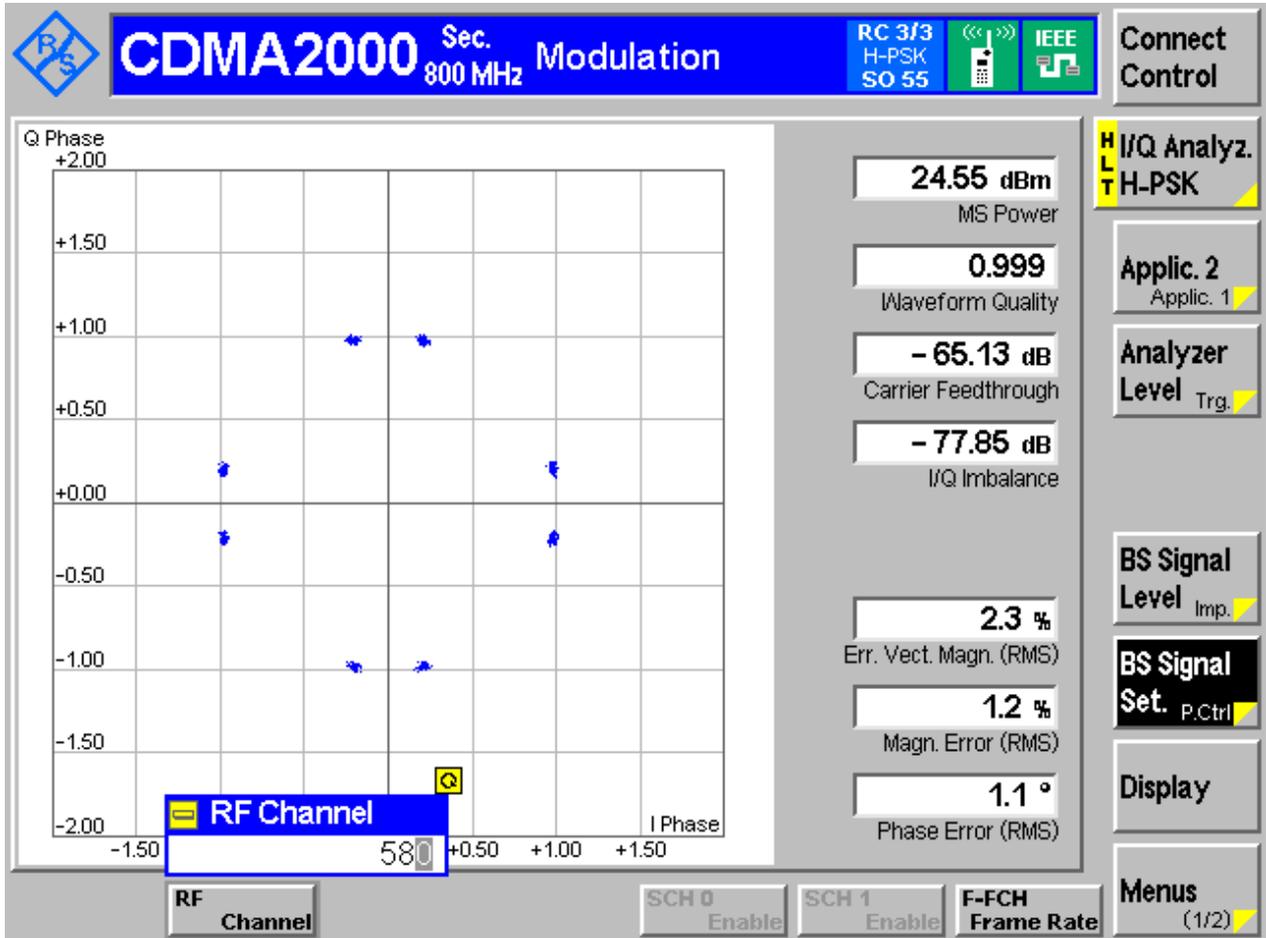
3.1.2.1 Test Mode = CDMA/1X/TM1

3.1.2.1.1 Test Channel = MCH



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

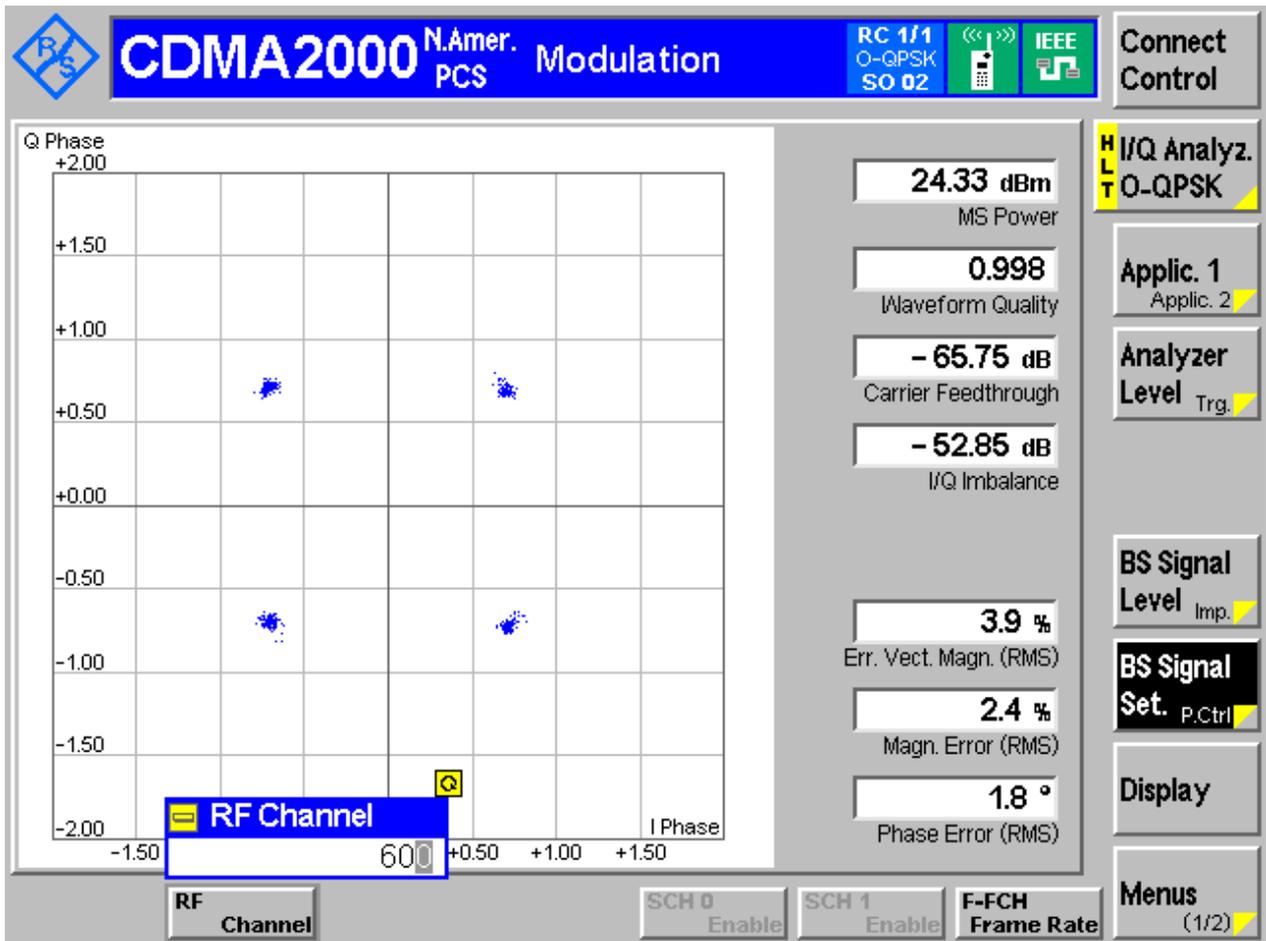
#### 3.1.2.2.1 Test Channel = MCH



3.1.3 Test Band = BC1

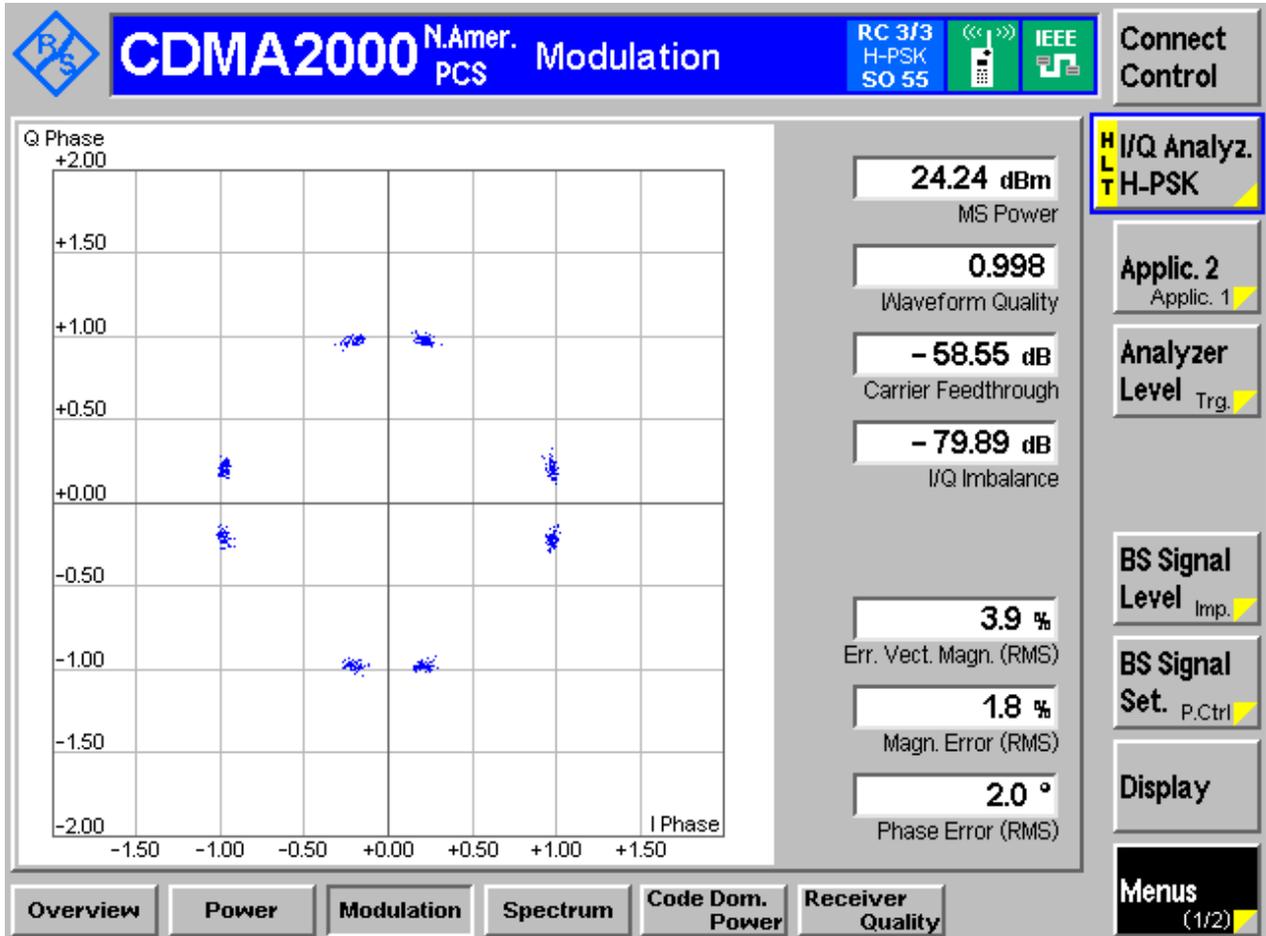
3.1.3.1 Test Mode = CDMA/1X/TM1

3.1.3.1.1 Test Channel = MCH



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

#### 3.1.3.2.1 Test Channel = MCH





## 4Appendix\_D: Bandwidth

### Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BC0	CDMA/1X/TM1	LCH	1.30	1.46	Pass
		MCH	1.29	1.45	Pass
		HCH	1.30	1.46	Pass
	CDMA/1X/TM3	LCH	1.28	1.46	Pass
		MCH	1.28	1.45	Pass
		HCH	1.28	1.45	Pass
BC10	CDMA/1X/TM1	LCH	1.29	1.46	Pass
		MCH	1.29	1.45	Pass
		HCH	1.29	1.45	Pass
	CDMA/1X/TM3	LCH	1.28	1.45	Pass
		MCH	1.28	1.45	Pass
		HCH	1.28	1.44	Pass
BC1	CDMA/1X/TM1	LCH	1.29	1.45	Pass
		MCH	1.29	1.47	Pass
		HCH	1.29	1.46	Pass
	CDMA/1X/TM3	LCH	1.28	1.45	Pass
		MCH	1.28	1.45	Pass
		HCH	1.28	1.45	Pass



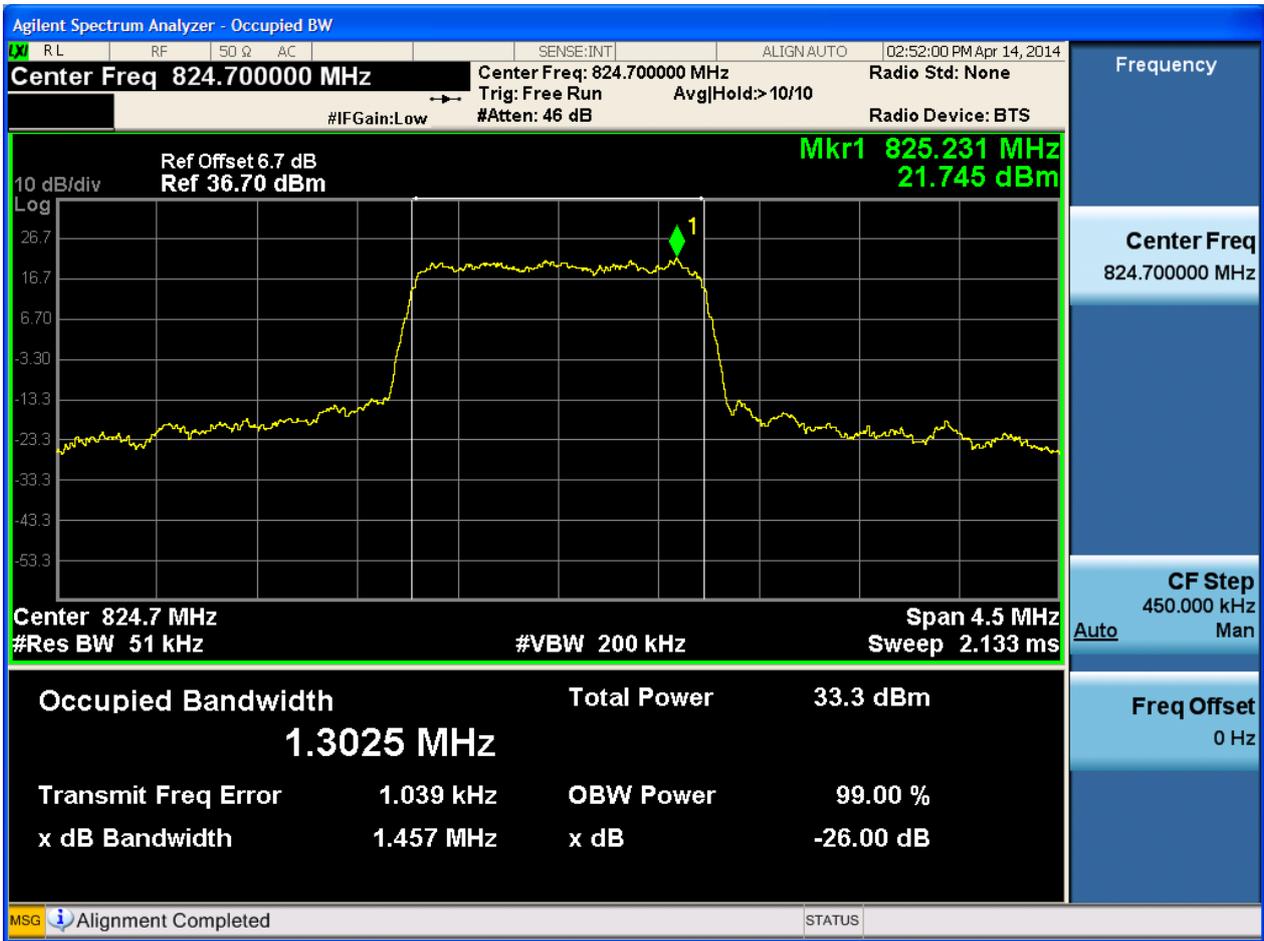
**Part II - Test Plots**

**4.1 For CDMA/1X**

**4.1.1 Test Band = BC0**

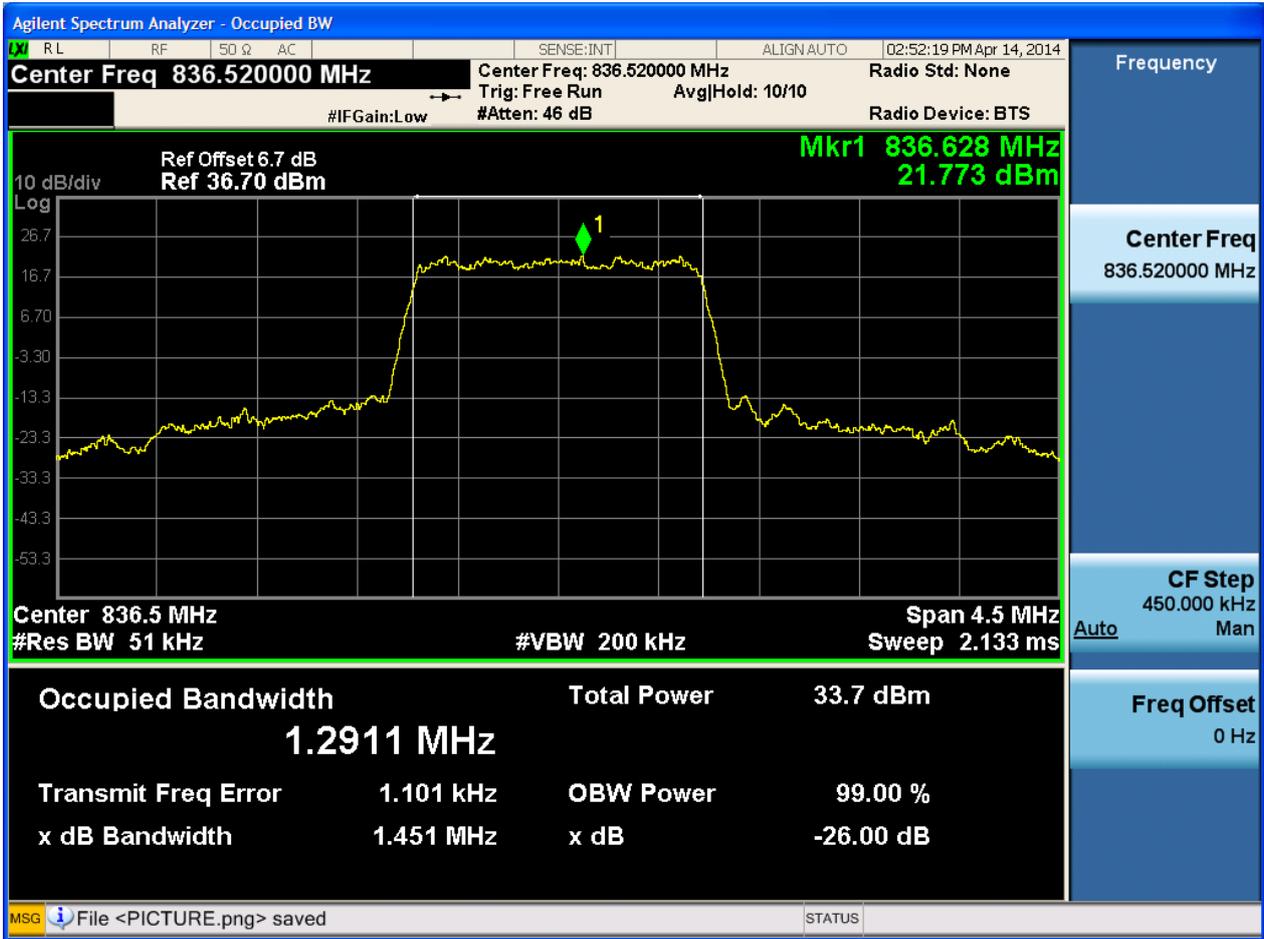
**4.1.1.1 Test Mode = CDMA/1X/TM1**

**4.1.1.1.1 Test Channel = LCH**



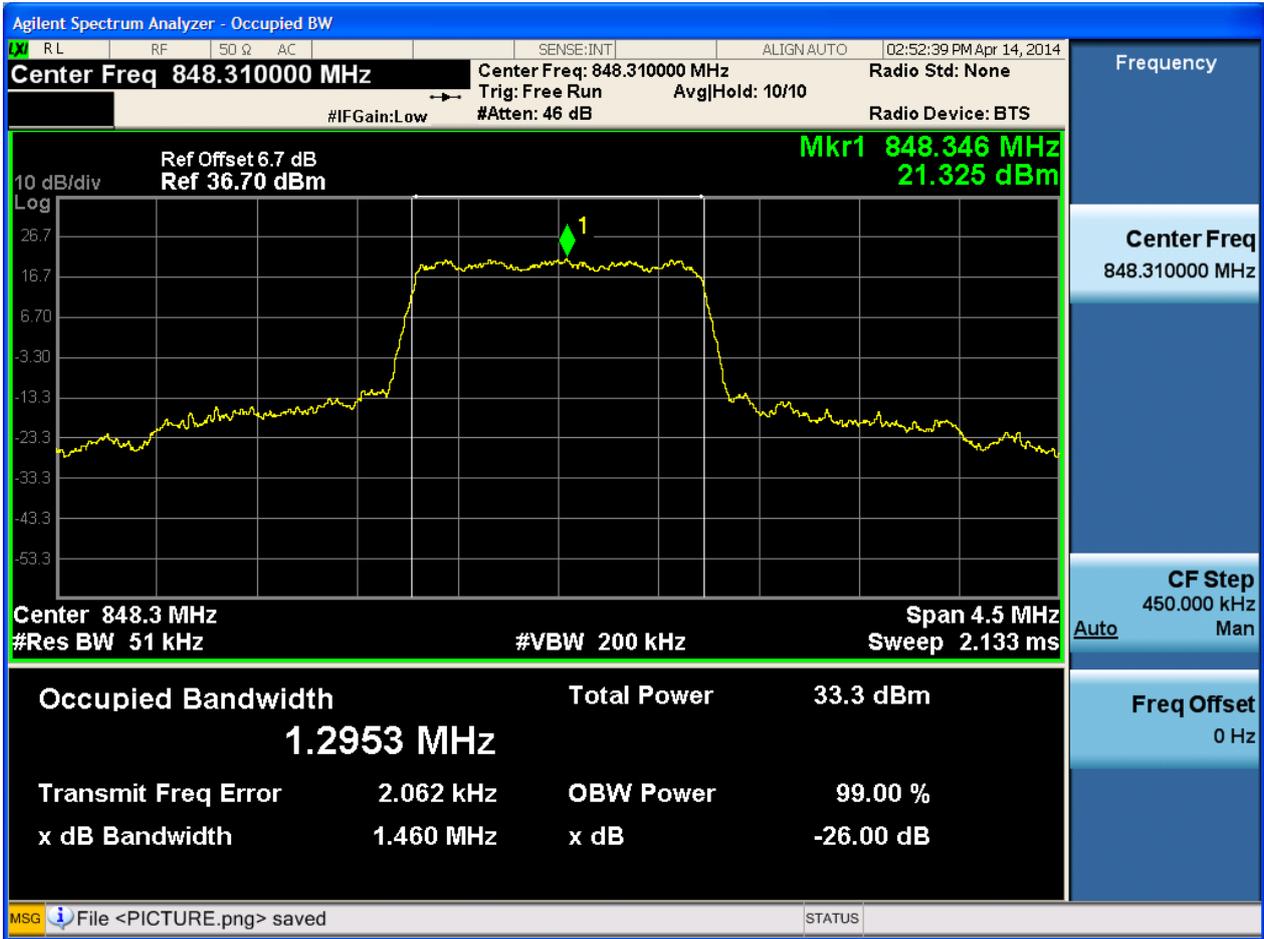


4.1.1.1.2 Test Channel = MCH





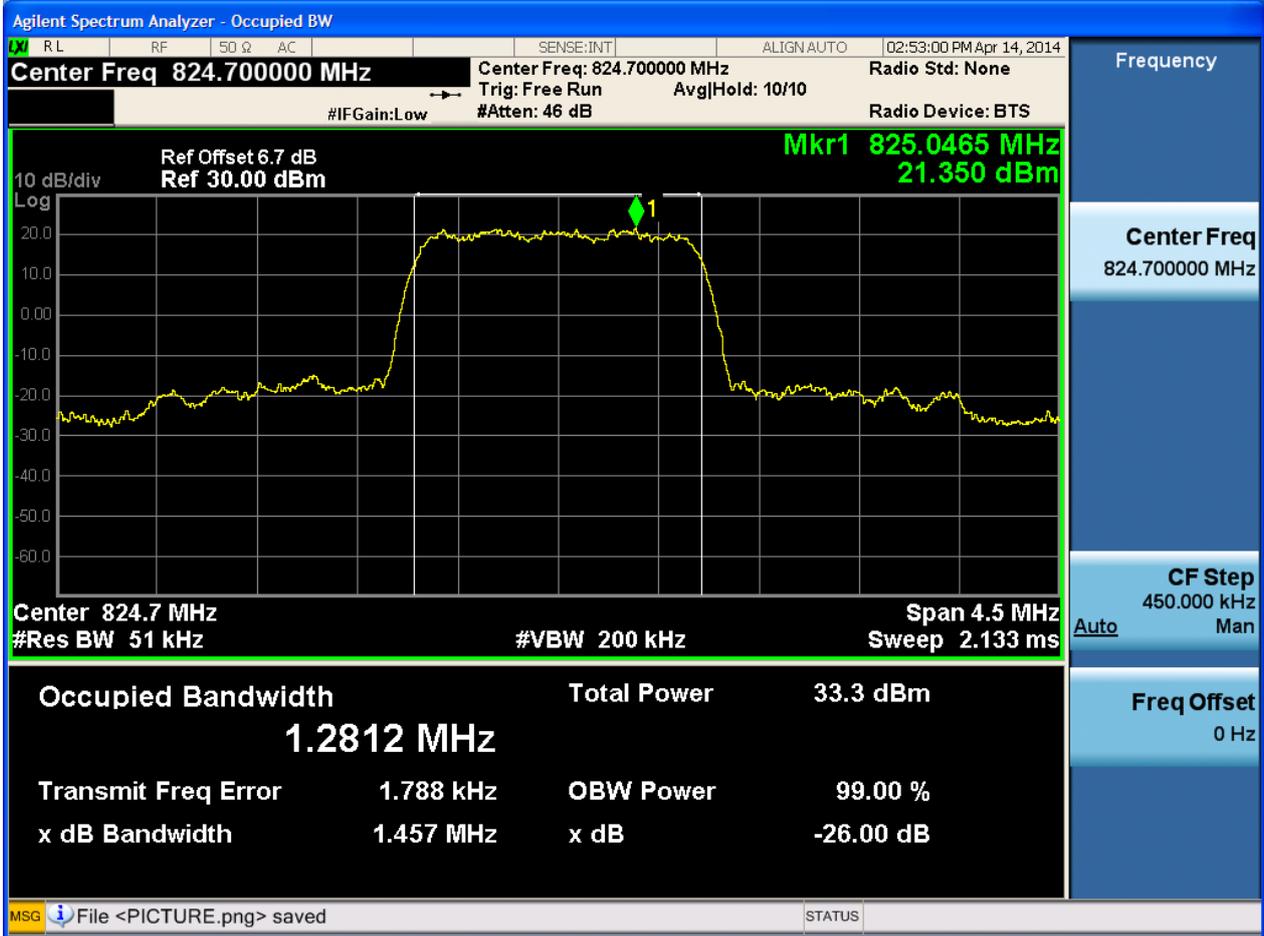
4.1.1.1.3 Test Channel = HCH





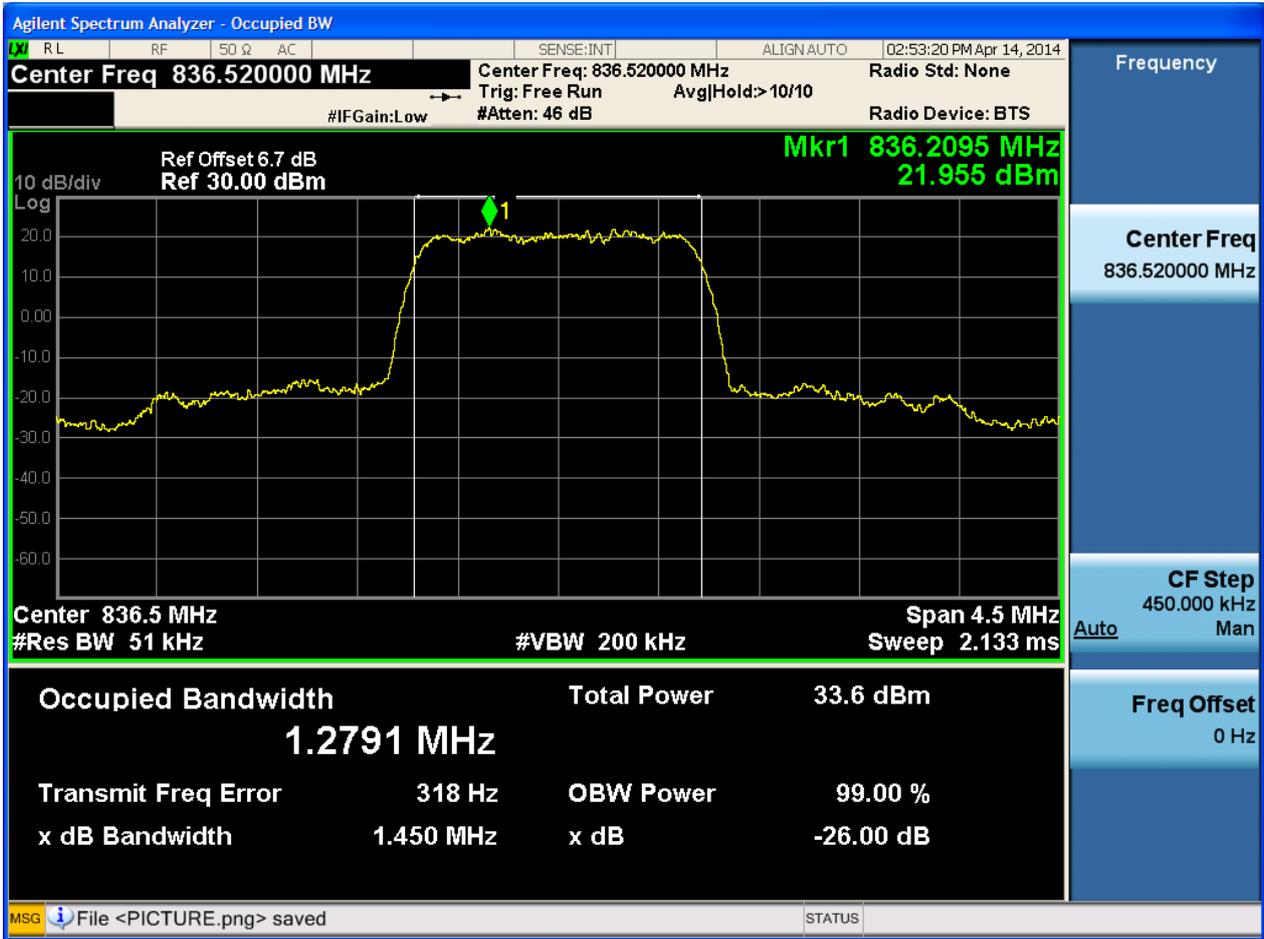
4.1.1.2 Test Mode = CDMA/1X/TM3

4.1.1.2.1 Test Channel = LCH



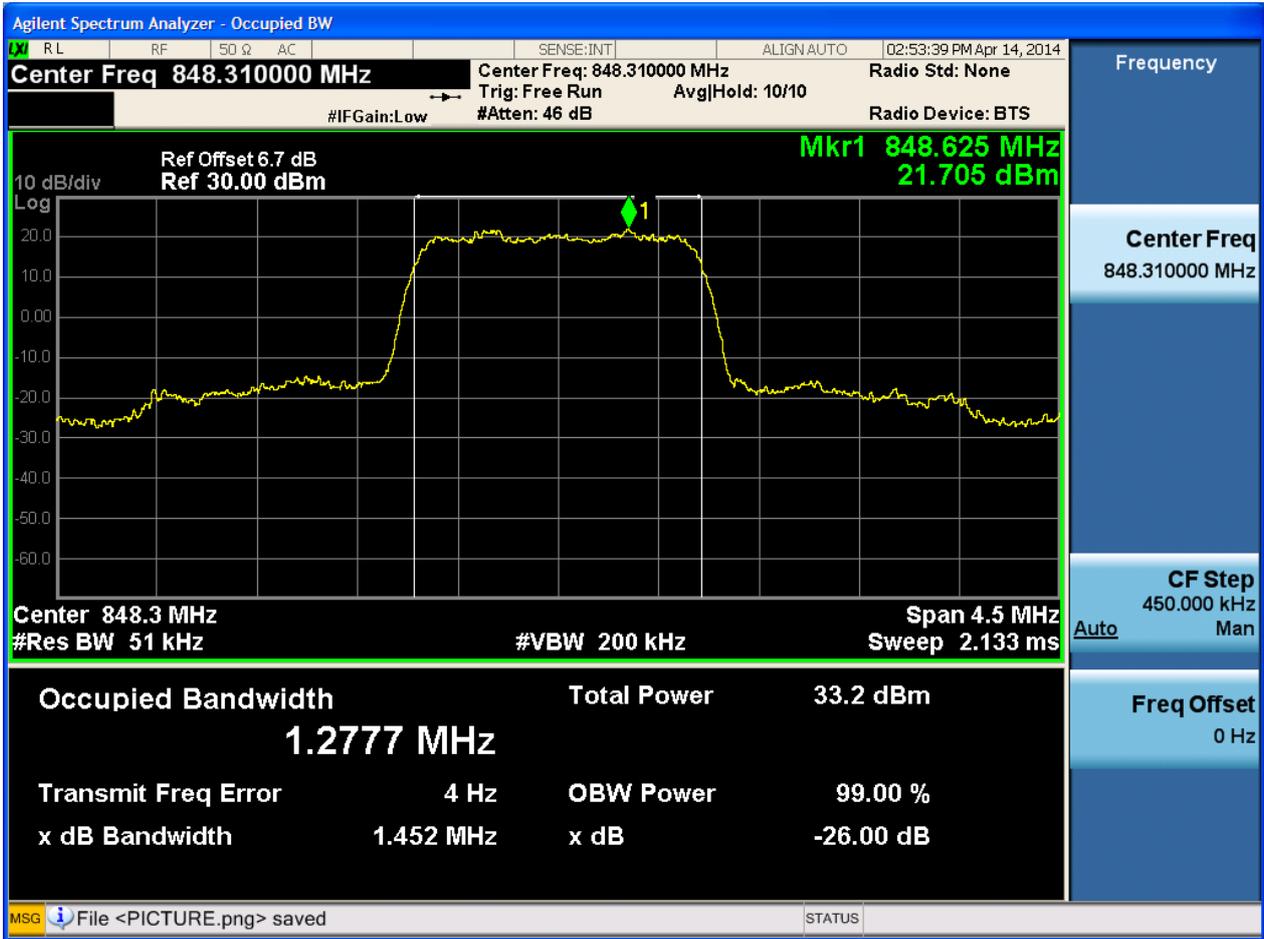


4.1.1.2.2 Test Channel = MCH





4.1.1.2.3 Test Channel = HCH

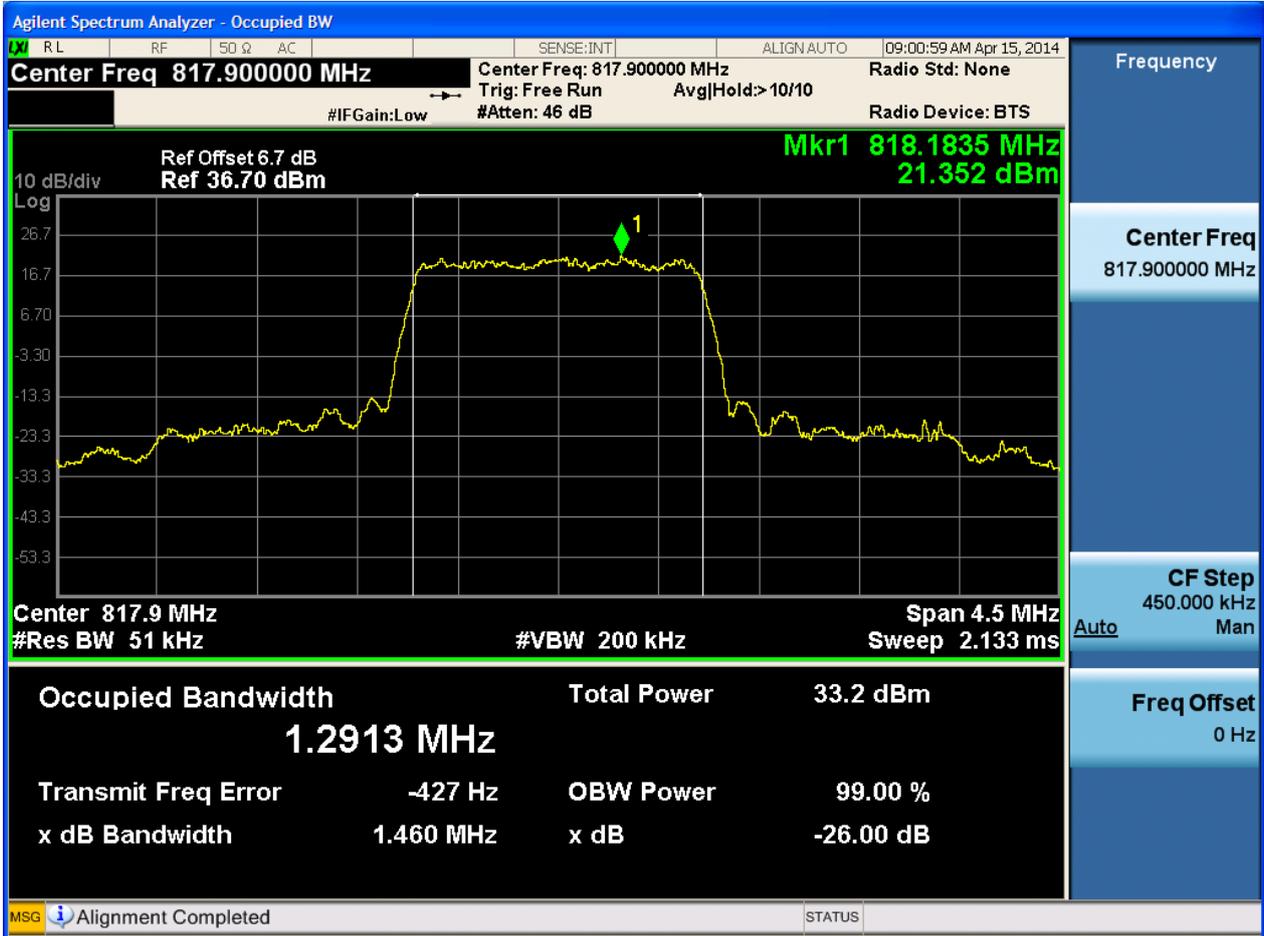




4.1.2 Test Band = BC10

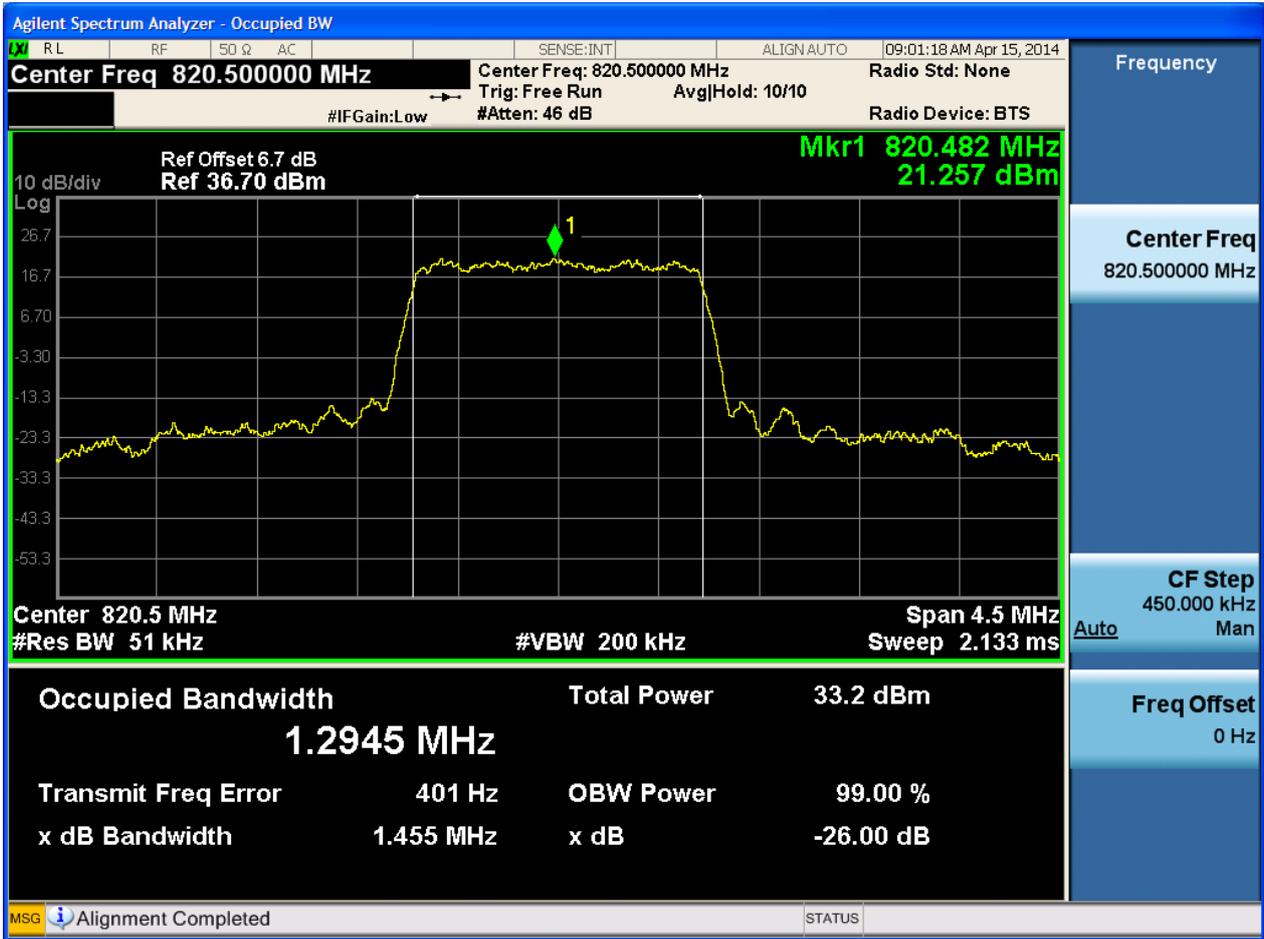
4.1.2.1 Test Mode = CDMA/1X/TM1

4.1.2.1.1 Test Channel = LCH



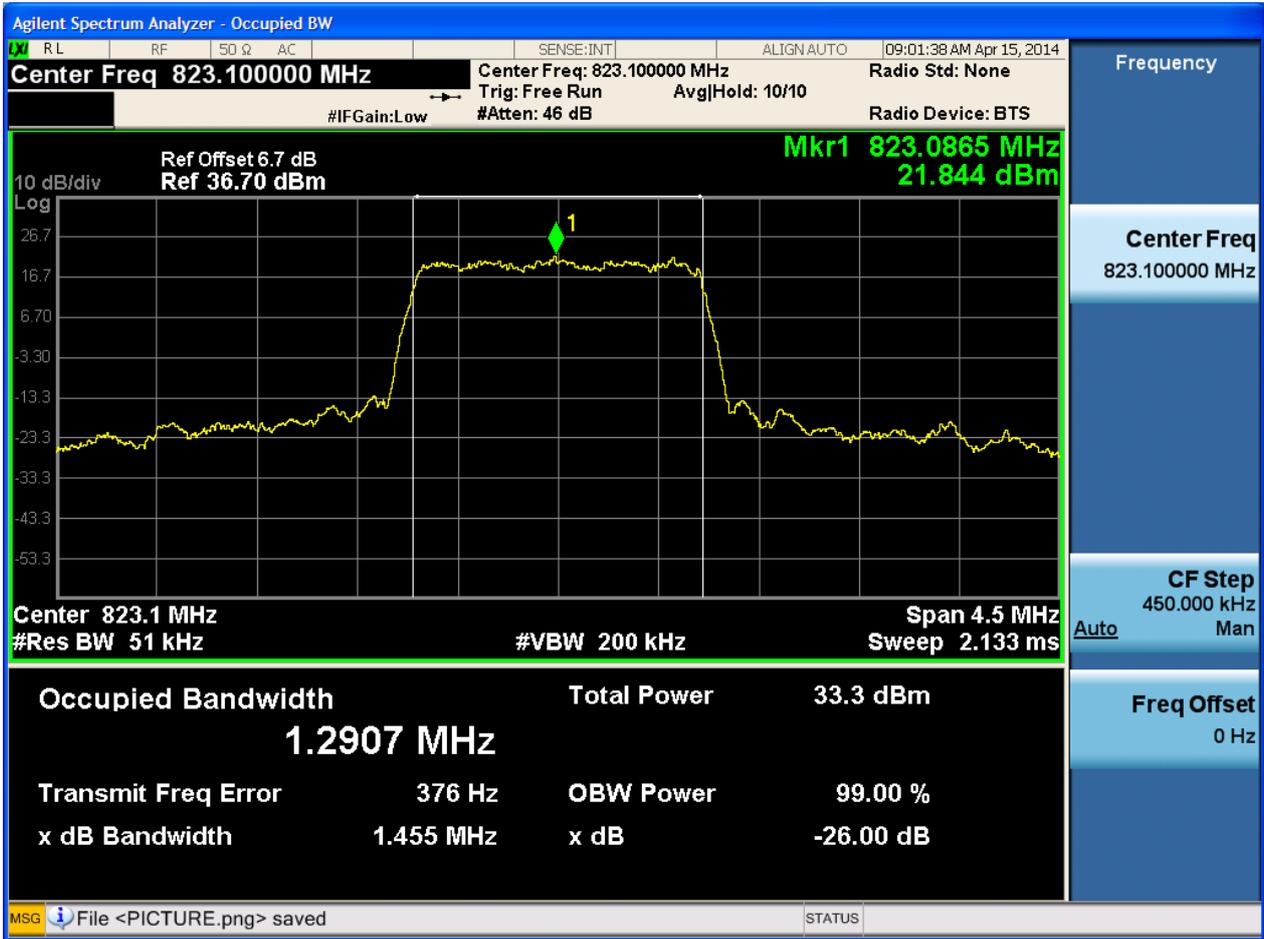


4.1.2.1.2 Test Channel = MCH





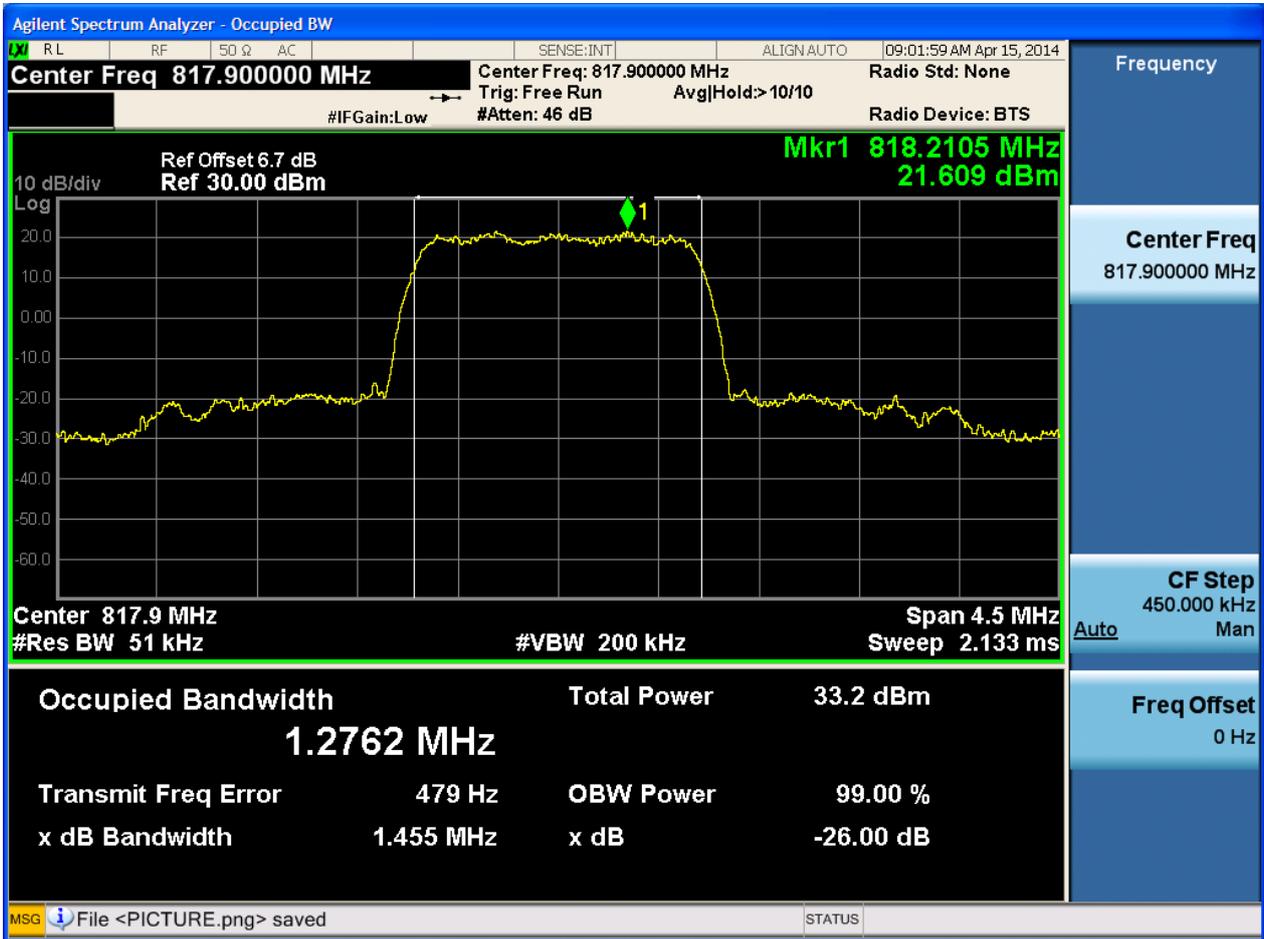
4.1.2.1.3 Test Channel = HCH





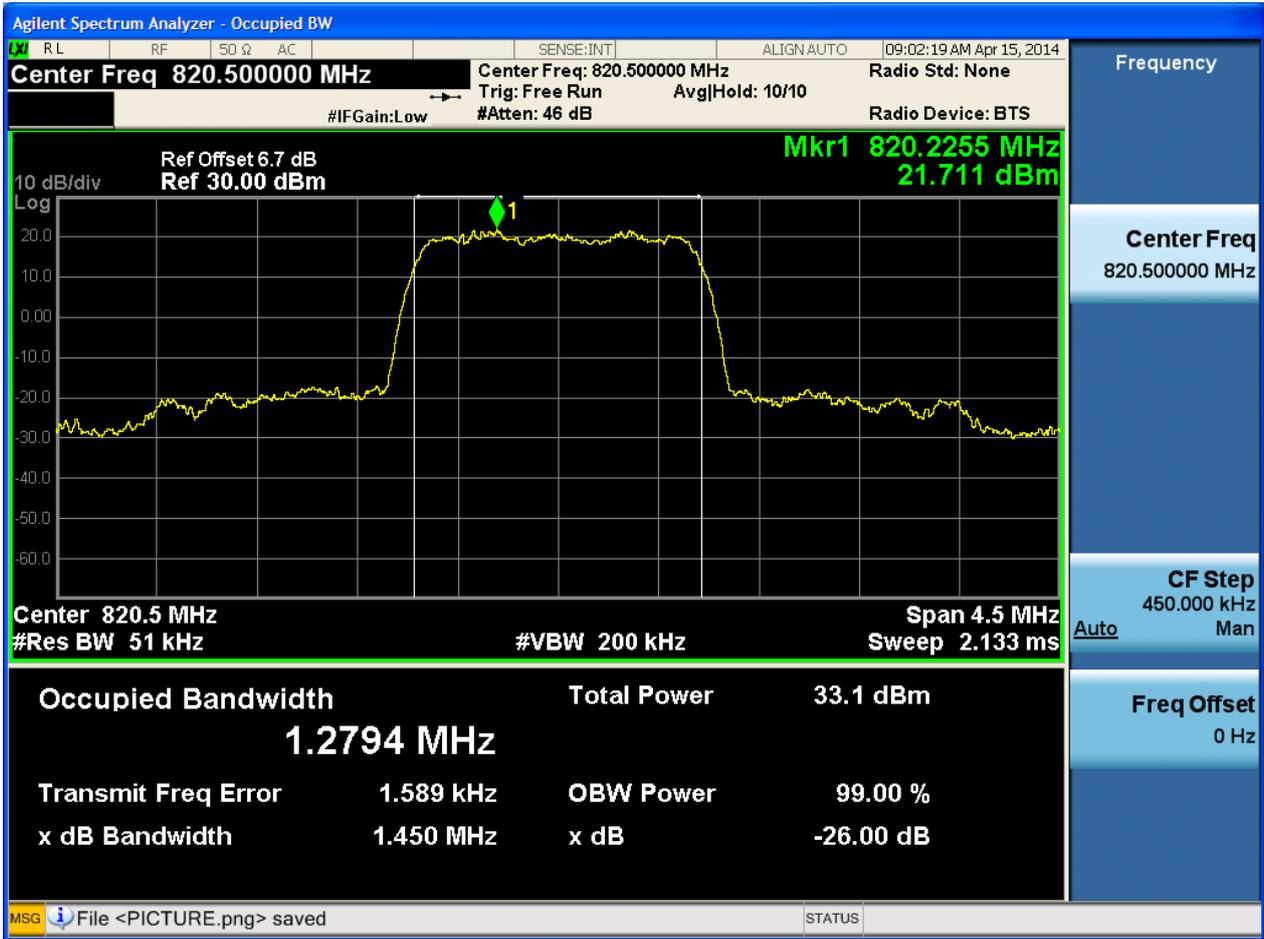
4.1.2.2 Test Mode = CDMA/1X/TM3

4.1.2.2.1 Test Channel = LCH



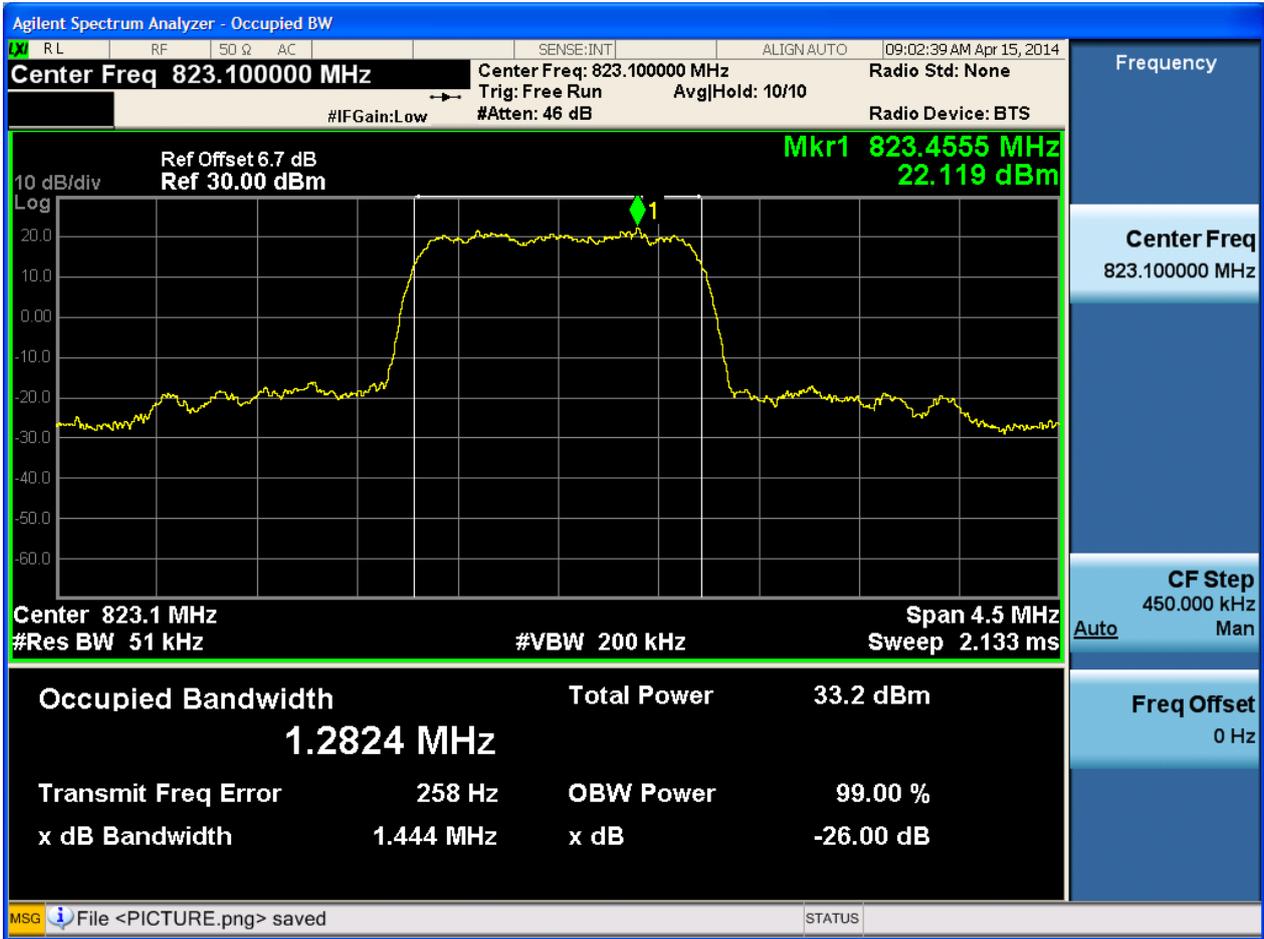


4.1.2.2.2 Test Channel = MCH





4.1.2.2.3 Test Channel = HCH





4.1.3 Test Band = BC1

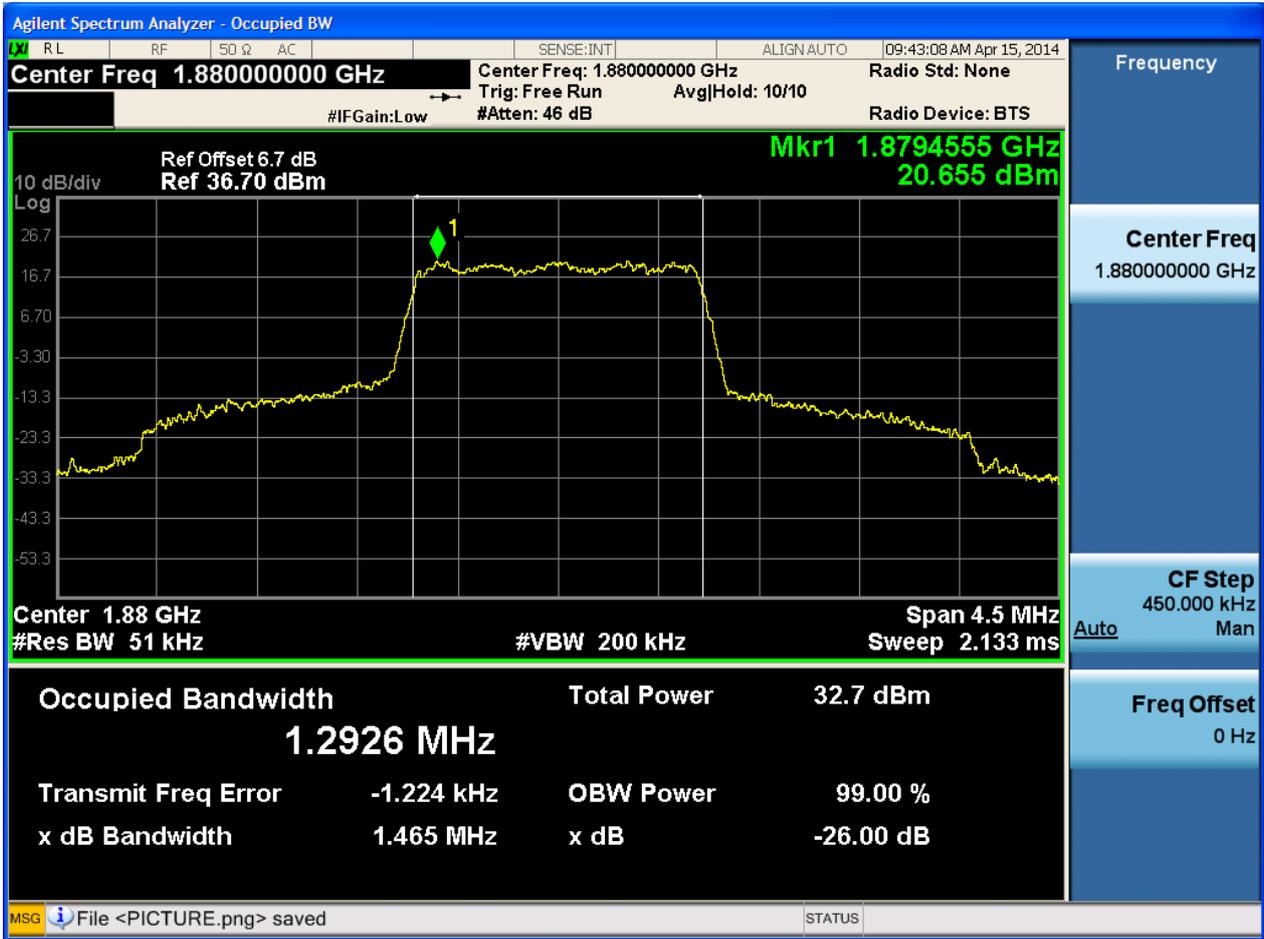
4.1.3.1 Test Mode = CDMA/1X/TM1

4.1.3.1.1 Test Channel = LCH



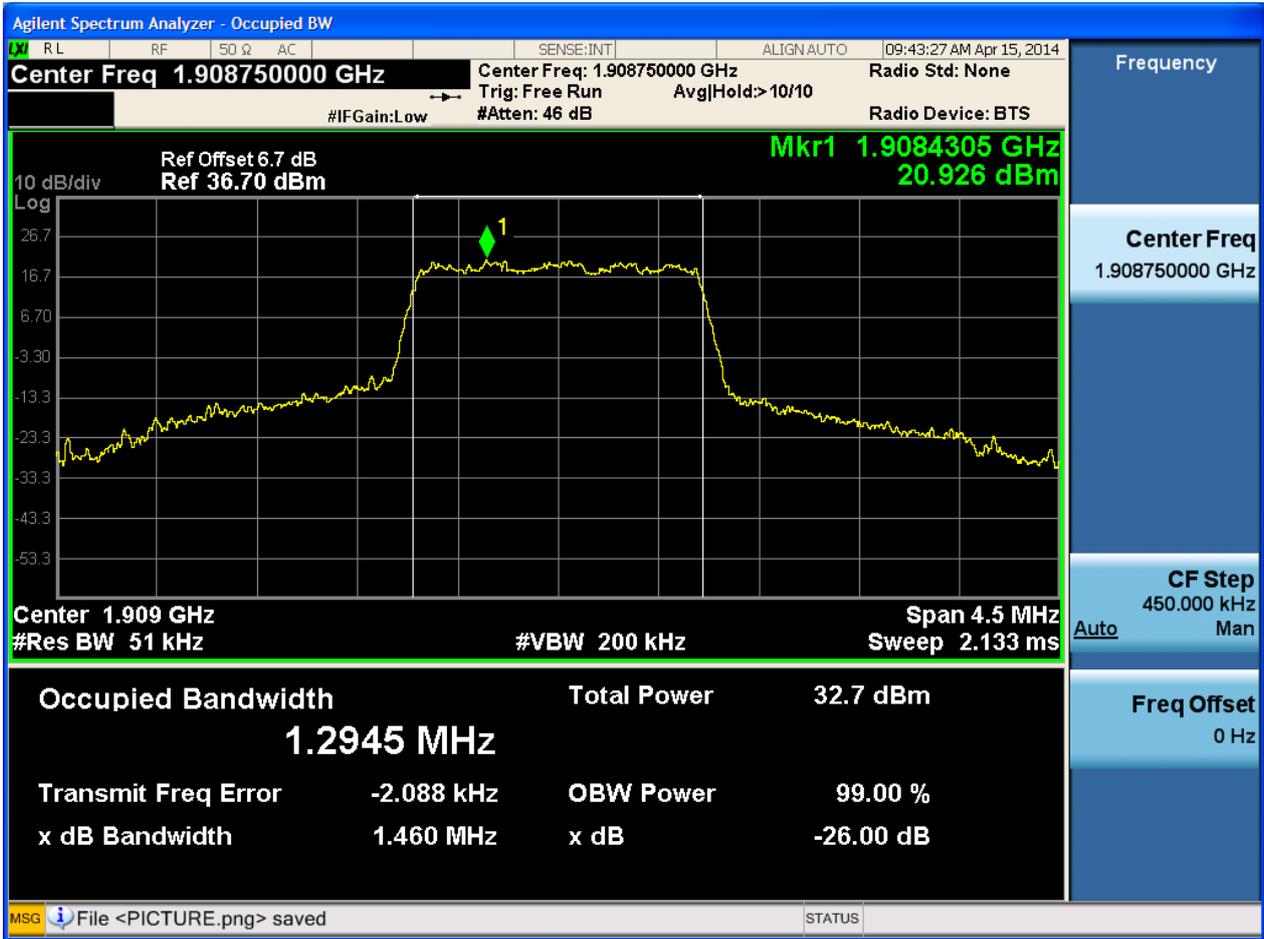


4.1.3.1.2 Test Channel = MCH





4.1.3.1.3 Test Channel = HCH





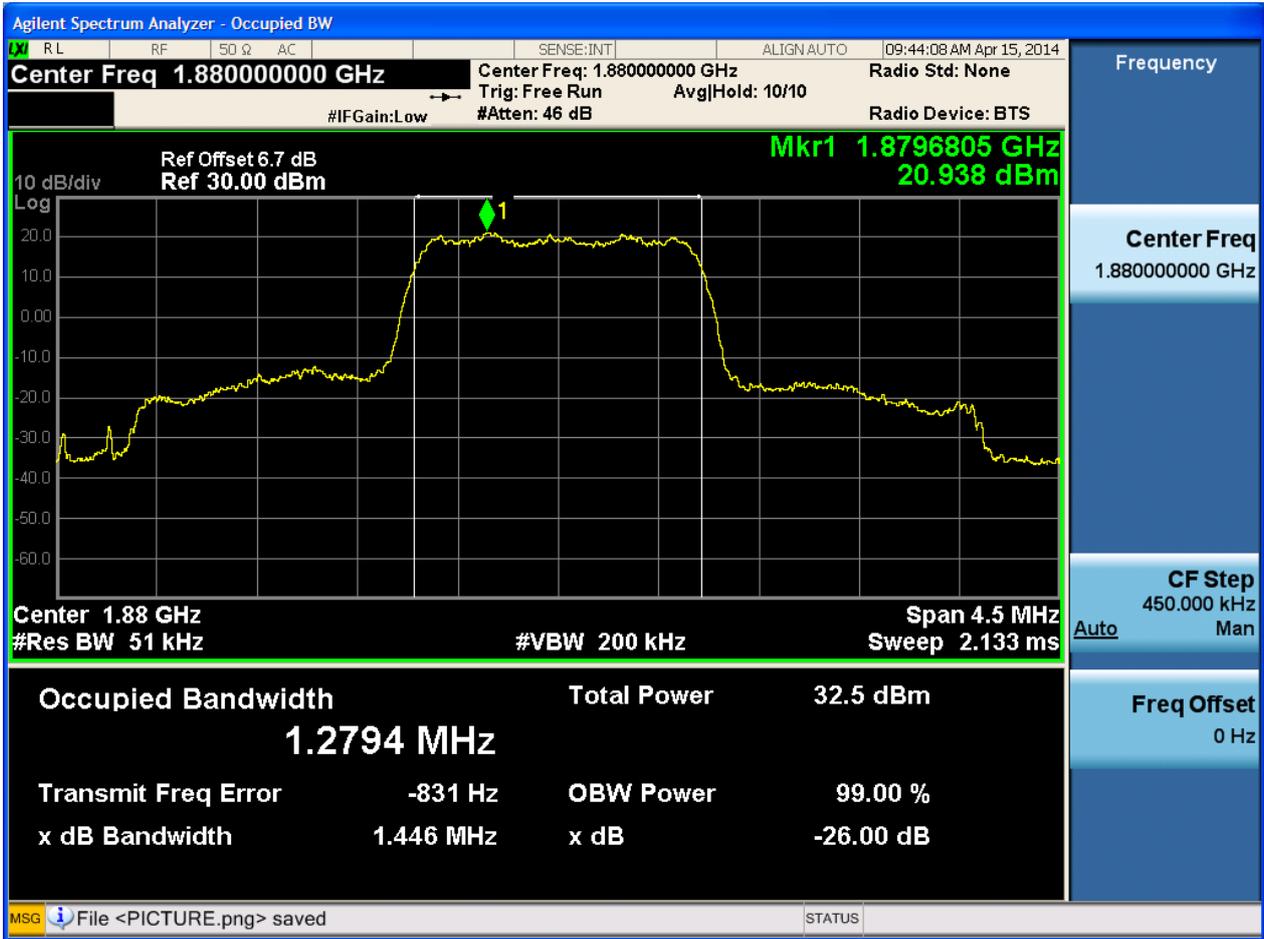
4.1.3.2 Test Mode = CDMA/1X/TM3

4.1.3.2.1 Test Channel = LCH



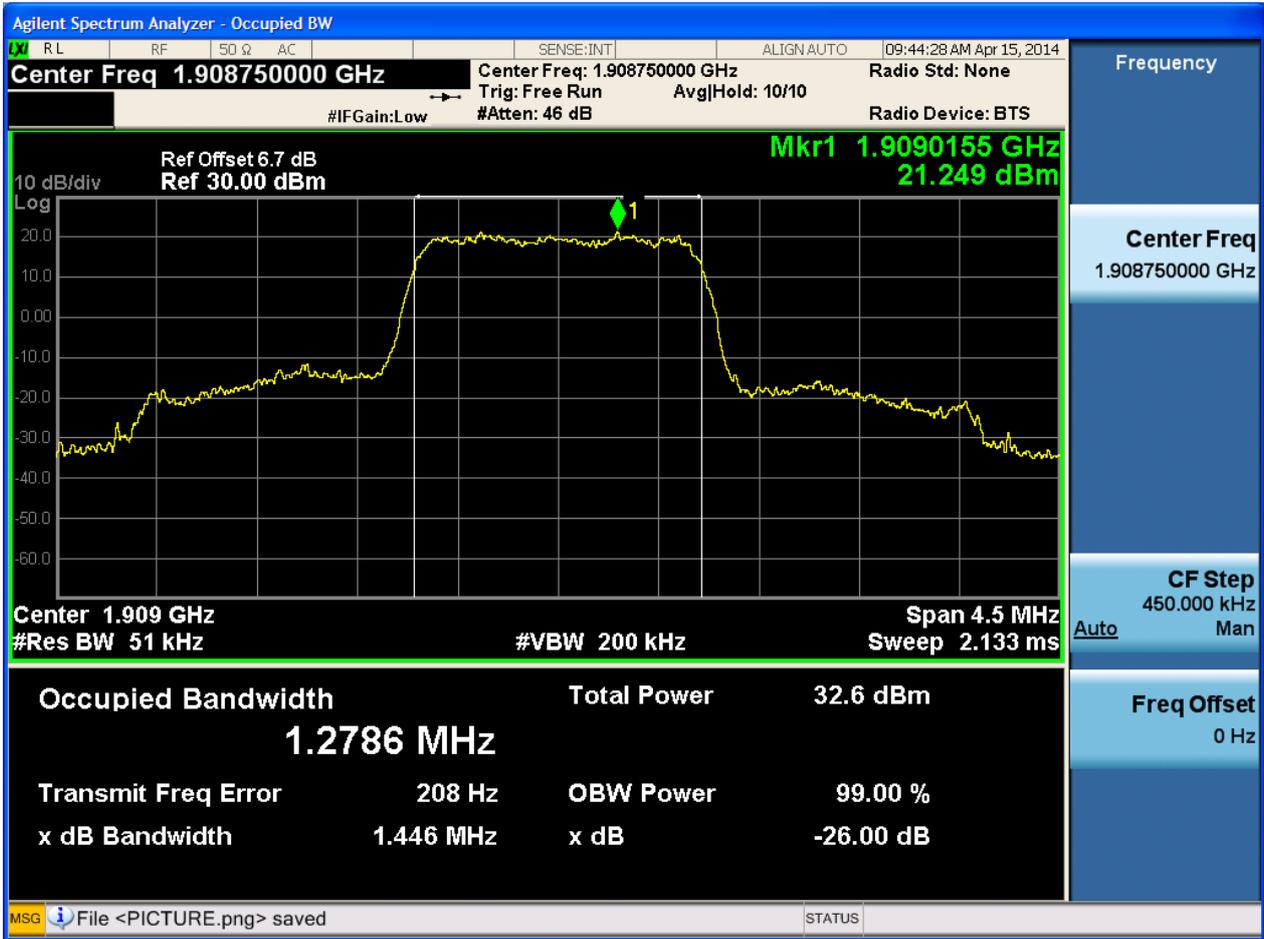


4.1.3.2.2 Test Channel = MCH





4.1.3.2.3 Test Channel = HCH





# 1Appendix\_E: Band Edges Compliance

## Part I - Test Plots

### 1.1 For CDMA/1X

#### 1.1.1 Test Band = BC0

##### 1.1.1.1 Test Mode = CDMA/1X/TM1

##### 1.1.1.1.1 Test Channel = LCH





### 1.1.1.1.2 Test Channel = HCH





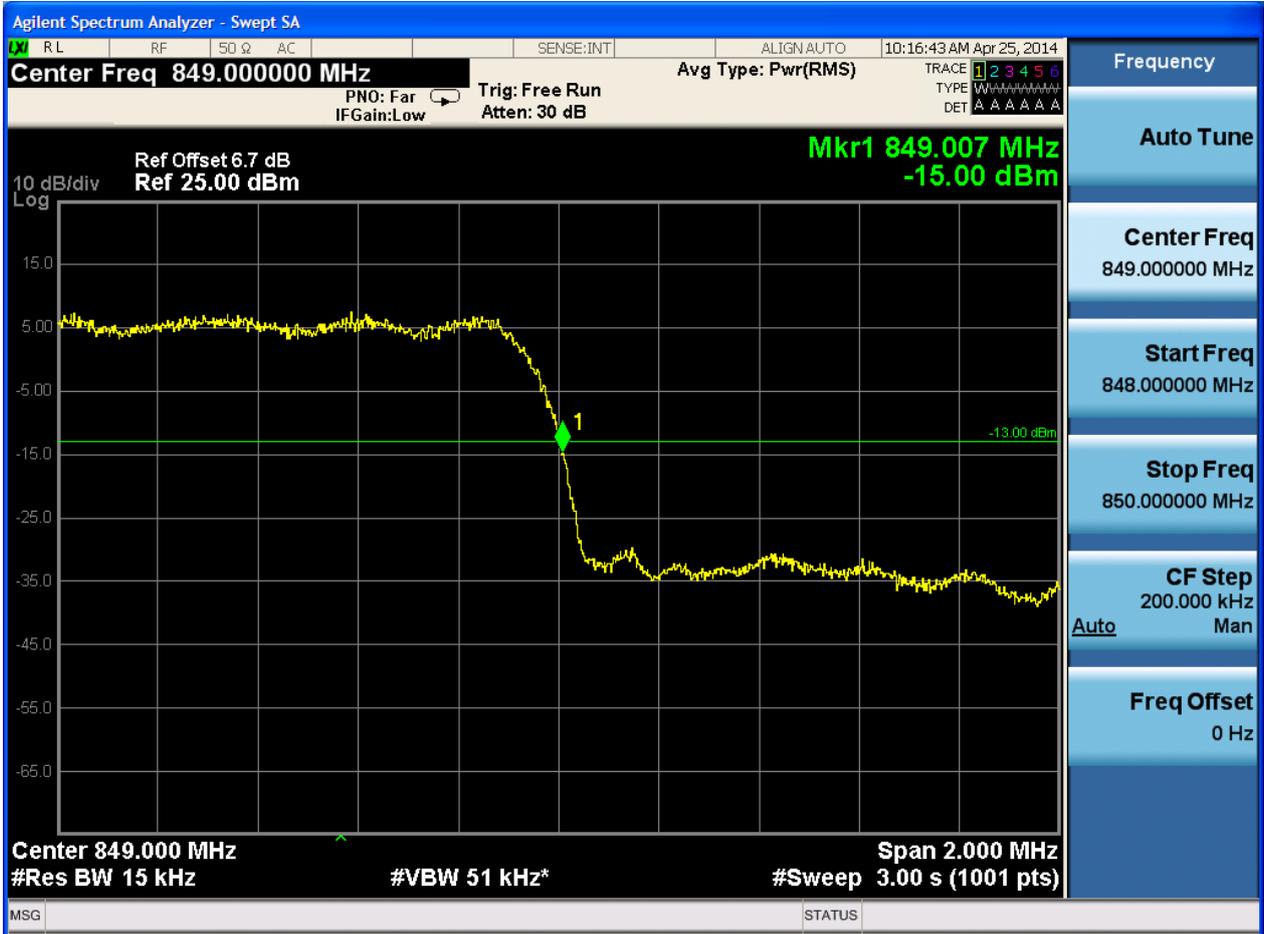
### 1.1.1.2 Test Mode = CDMA/1X/TM3

#### 1.1.1.2.1 Test Channel = LCH





### 1.1.1.2.2 Test Channel = HCH





1.1.3 Test Band = BC10

1.1.3.1 Test Mode = CDMA/1X/TM1

1.1.3.1.1 Test Channel = LCH





### 1.1.3.1.2 Test Channel = HCH





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

#### 1.1.3.2.1 Test Channel = LCH





### 1.1.3.2.3 Test Channel = HCH





1.1.4 Test Band = BC1

1.1.4.1 Test Mode = CDMA/1X/TM1

1.1.4.1.1 Test Channel = LCH





### 1.1.4.1.3 Test Channel = HCH





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

#### 1.1.4.2.1 Test Channel = LCH





### 1.1.4.2.2 Test Channel = HCH





## 5Appendix\_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.

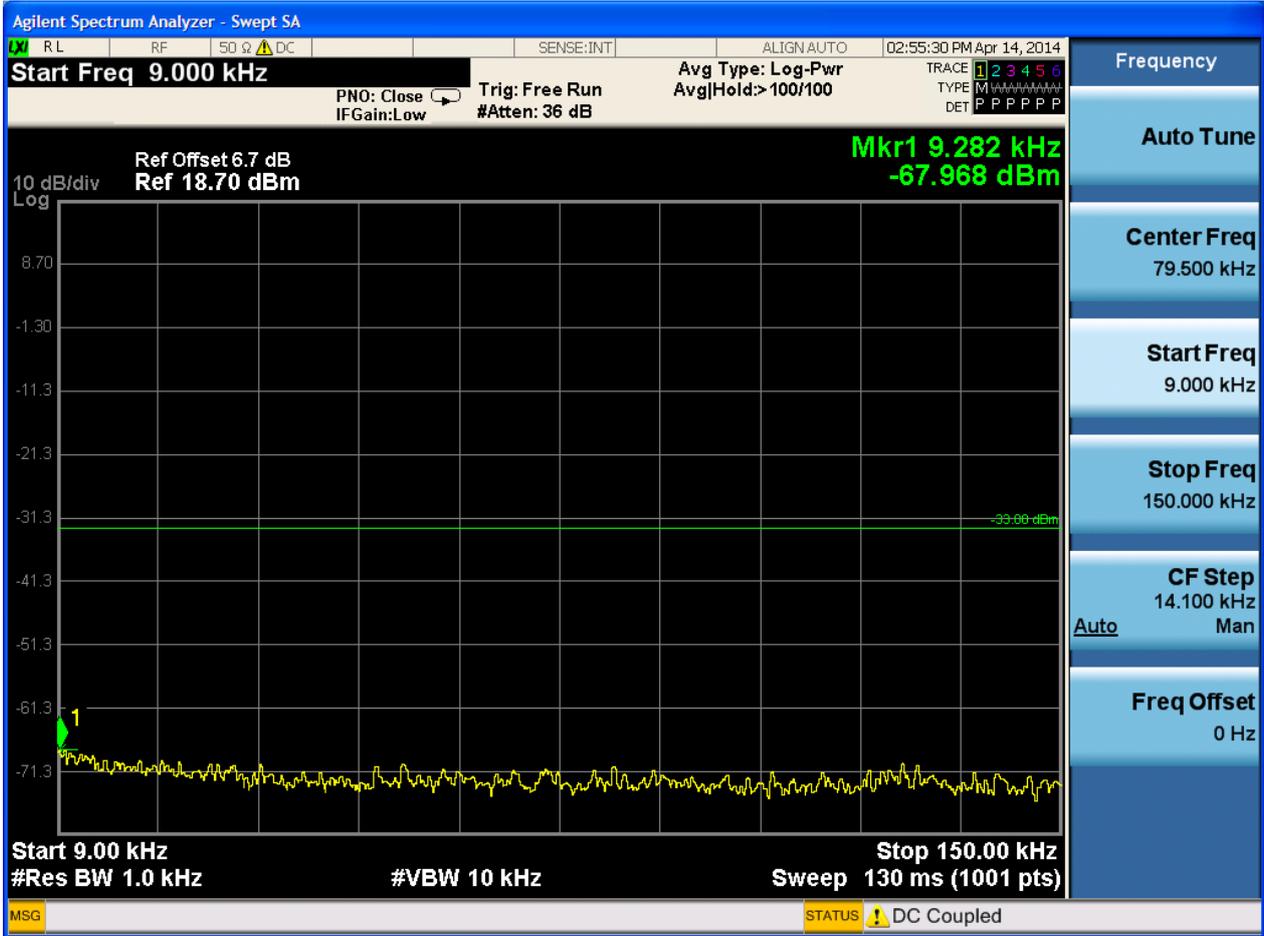
### Part I - Test Plots

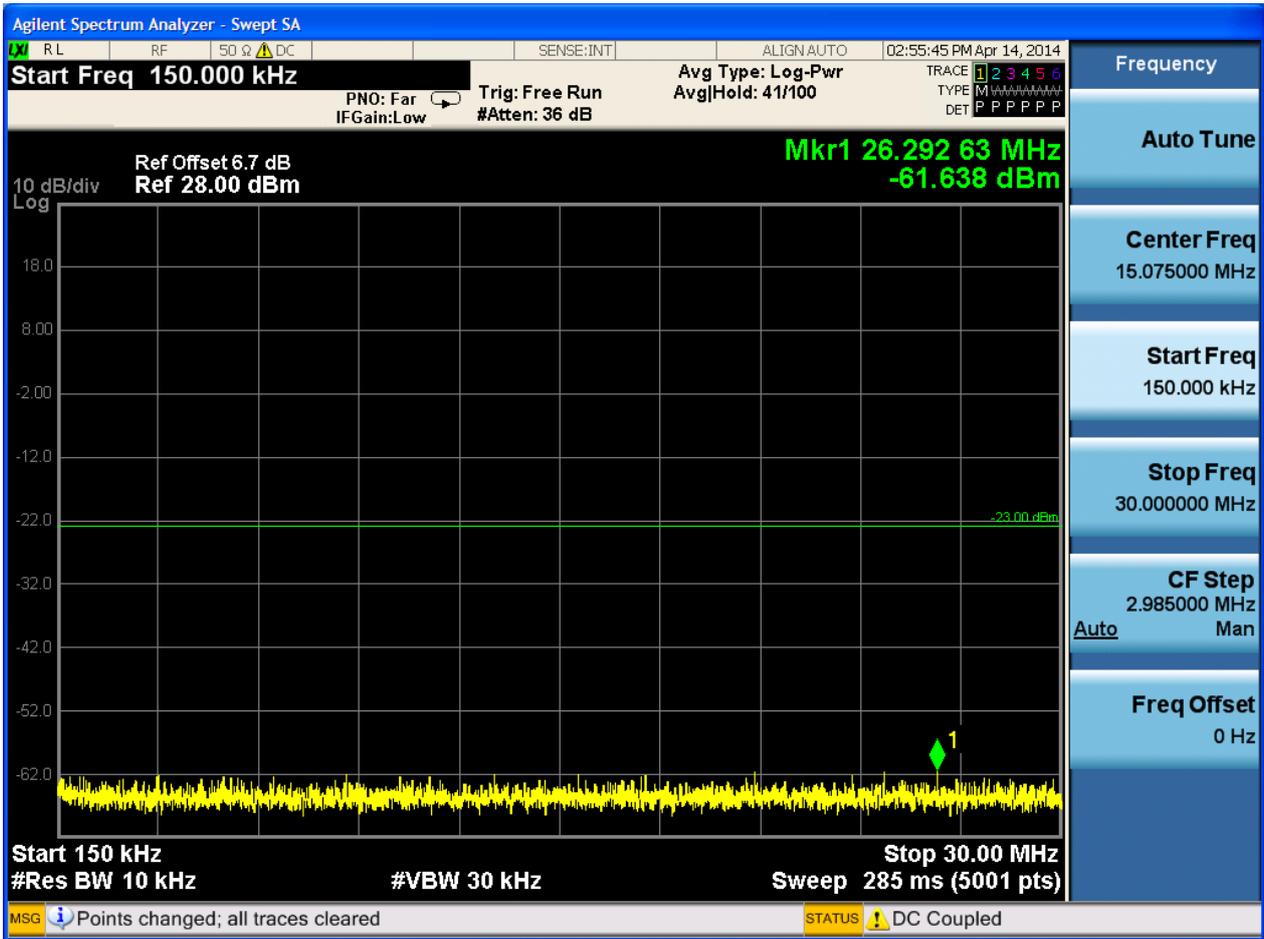
#### 5.1 For CDMA/1X

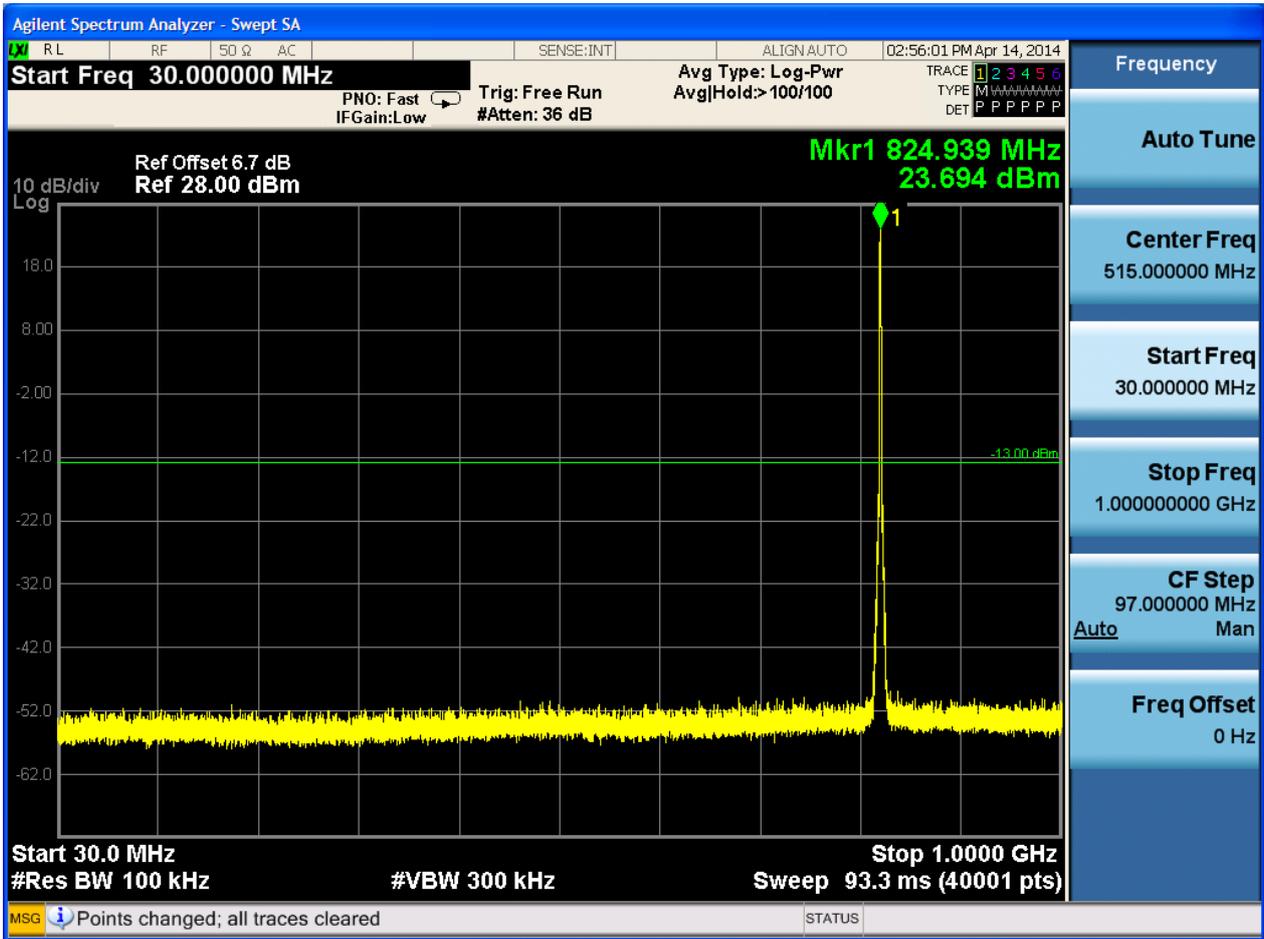
##### 5.1.1 Test Band = BC0

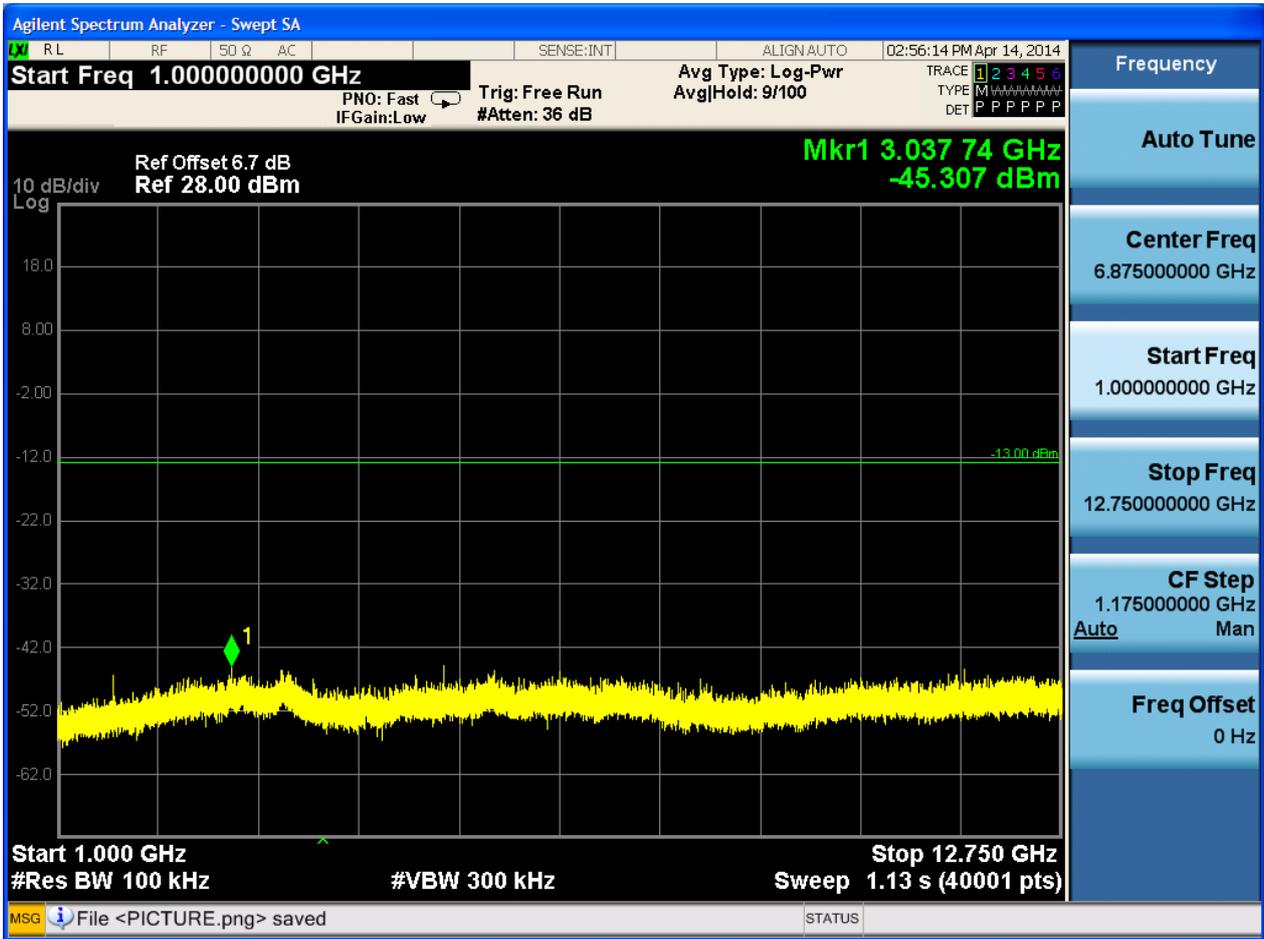
##### 5.1.1.1 Test Mode = CDMA/1X/TM1

##### 5.1.1.1.1 Test Channel = LCH



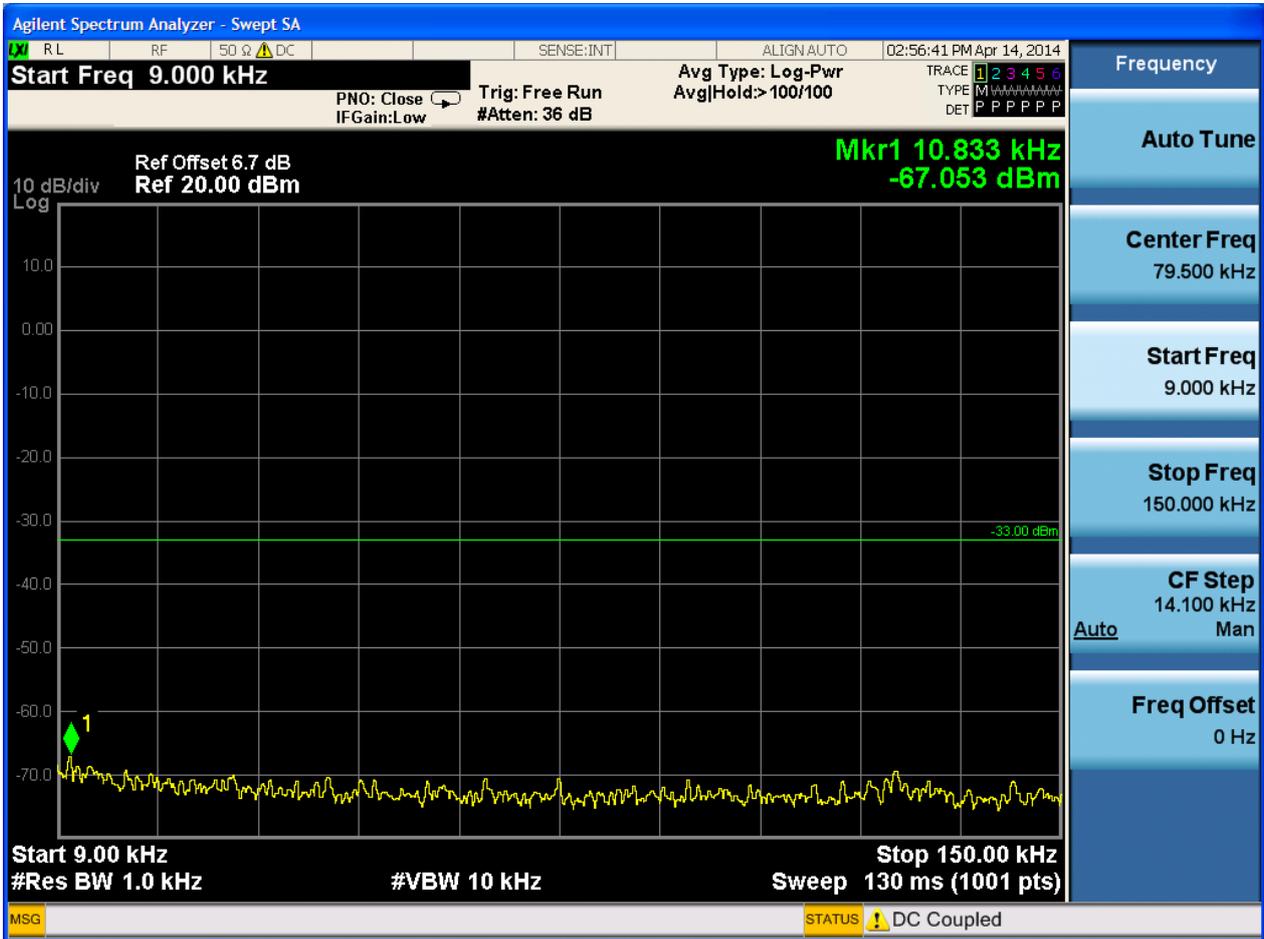






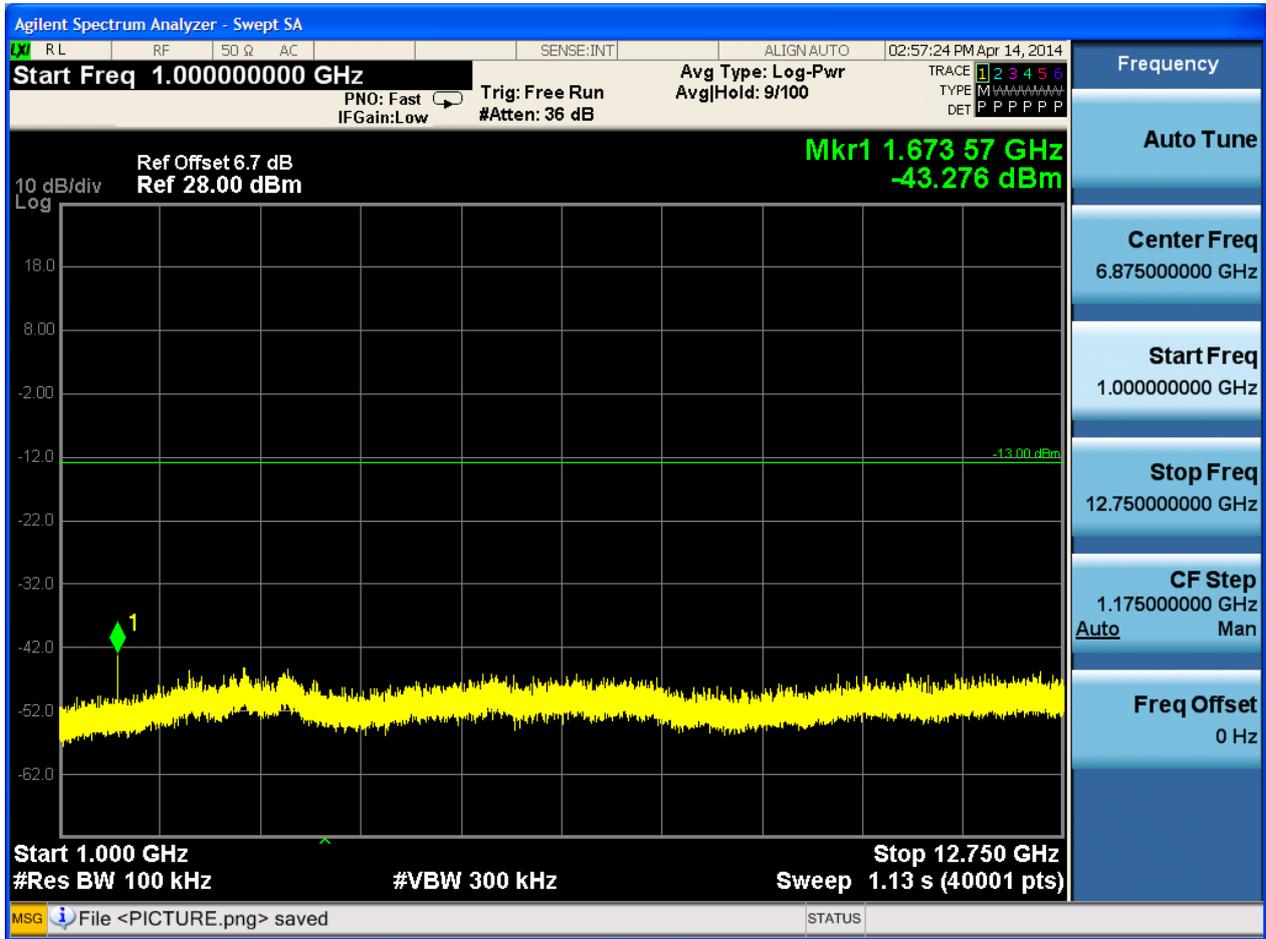


5.1.1.1.2 Test Channel = MCH



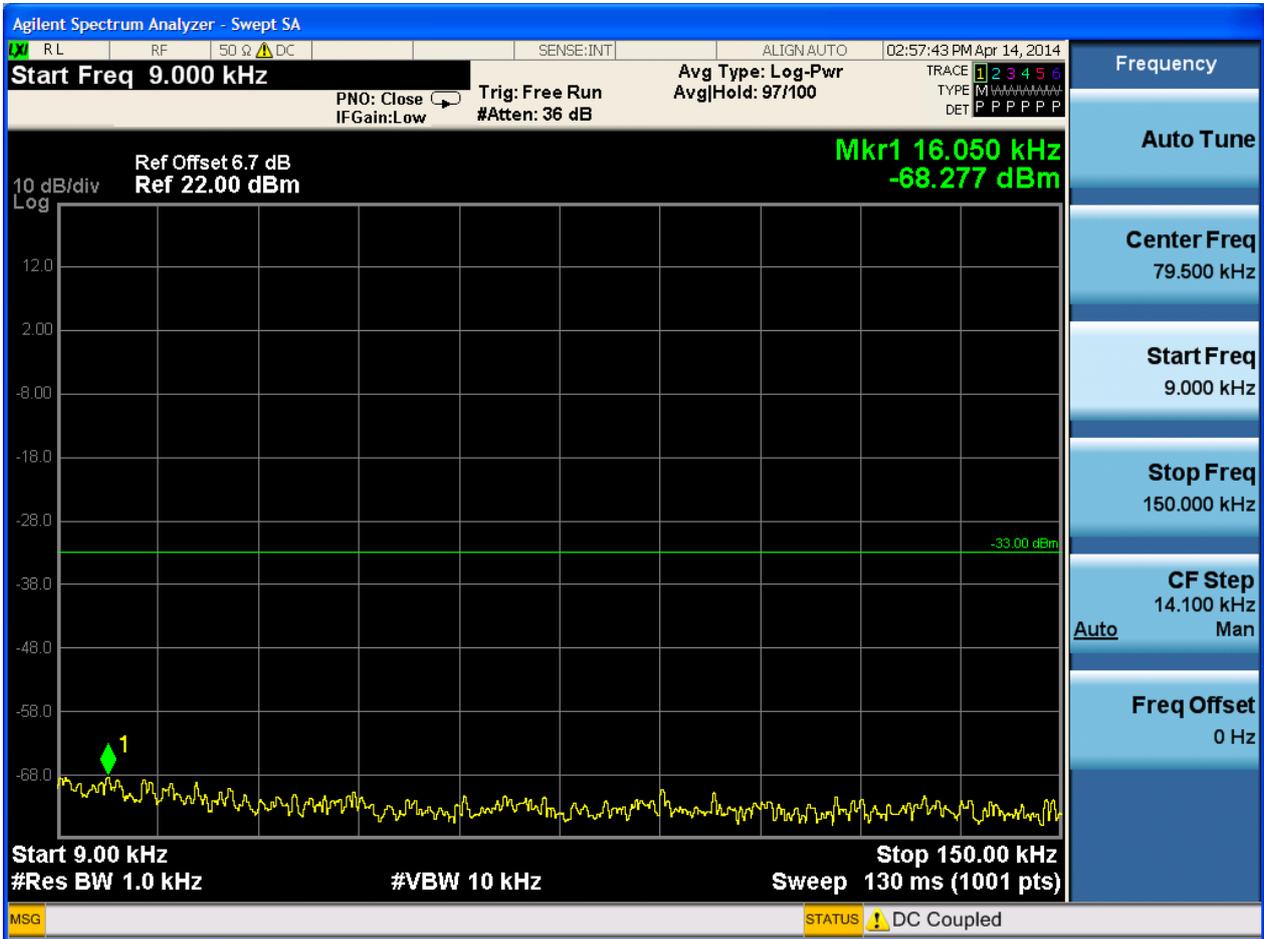


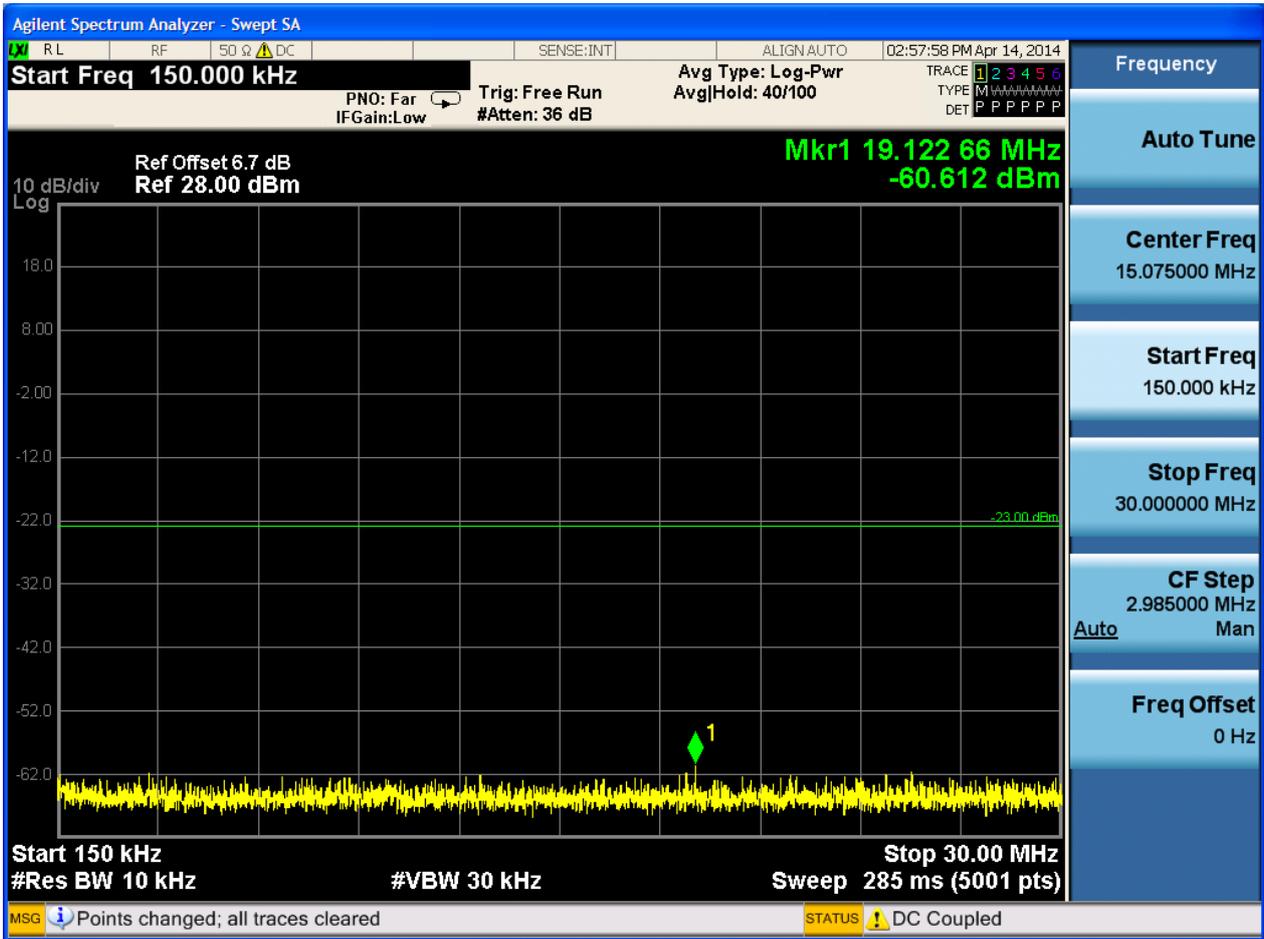


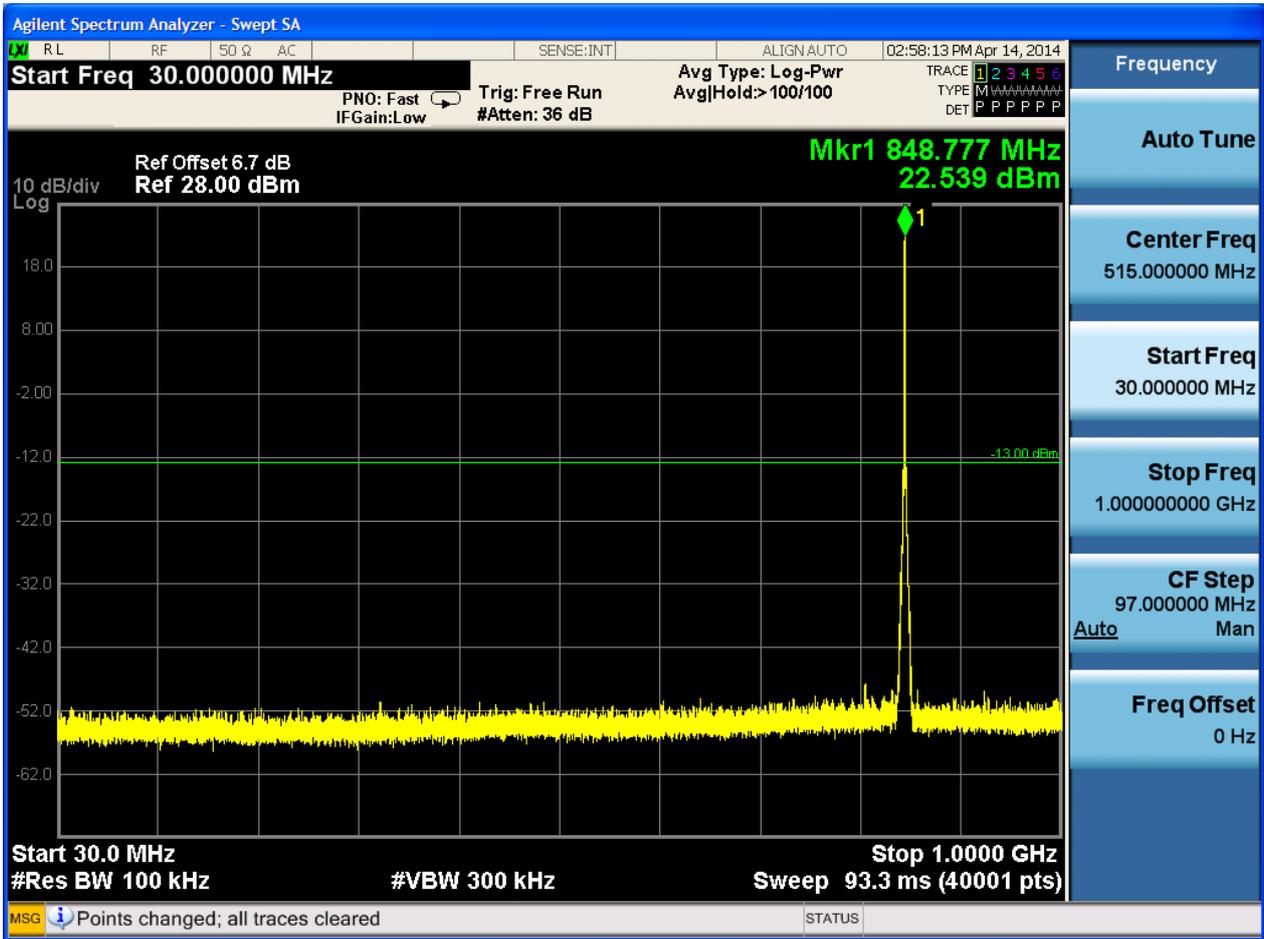


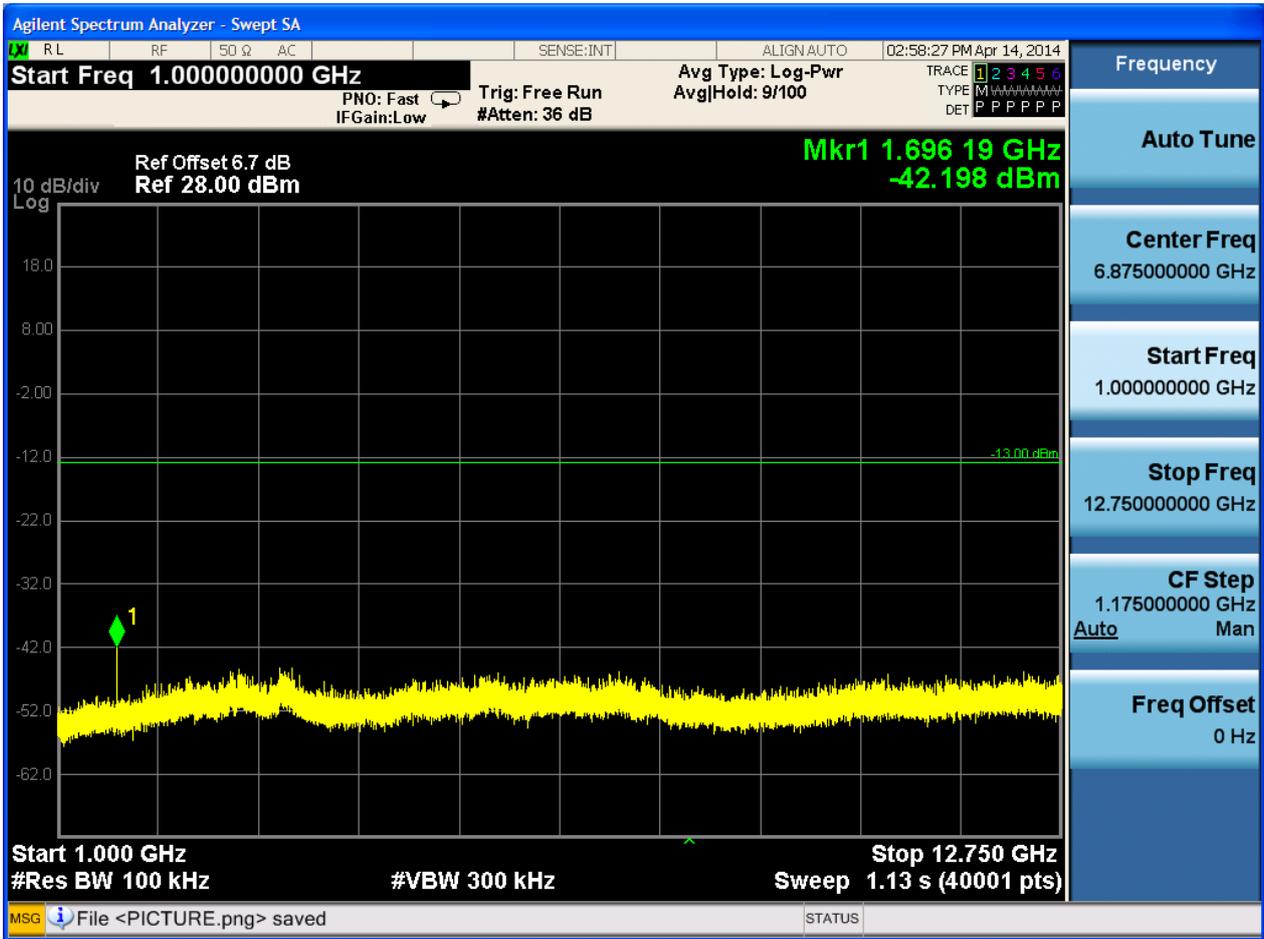


### 5.1.1.1.3 Test Channel = HCH

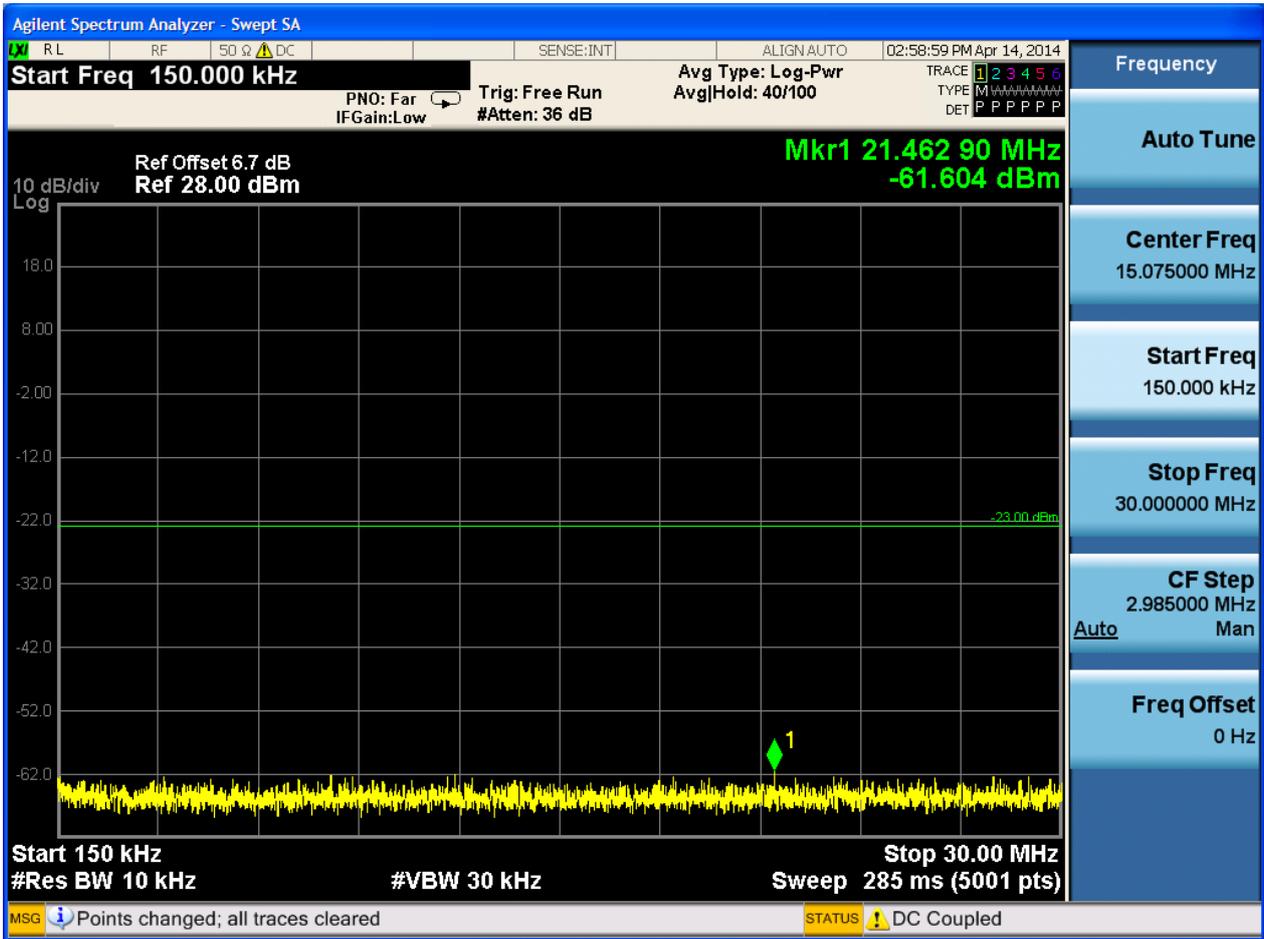


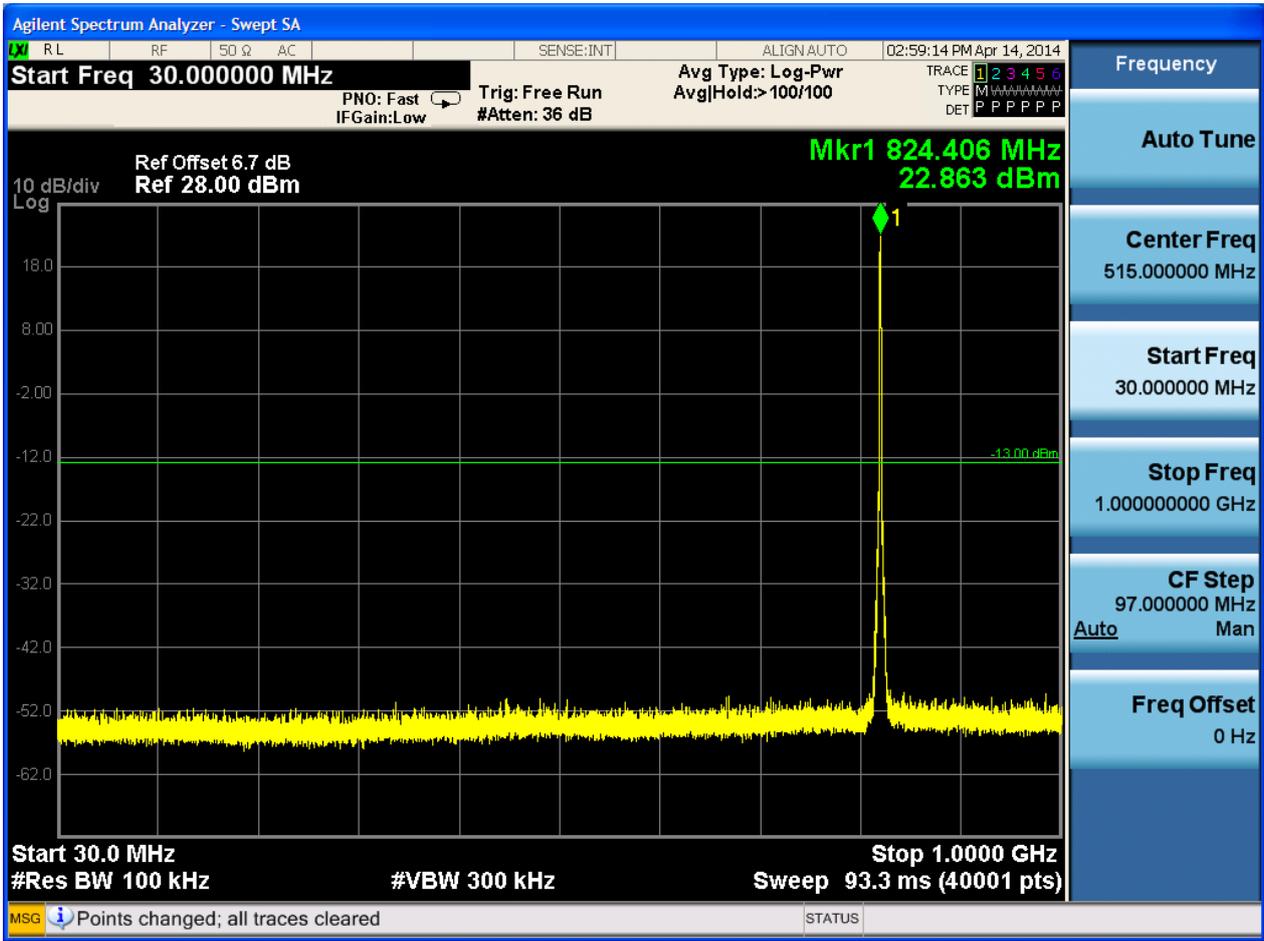


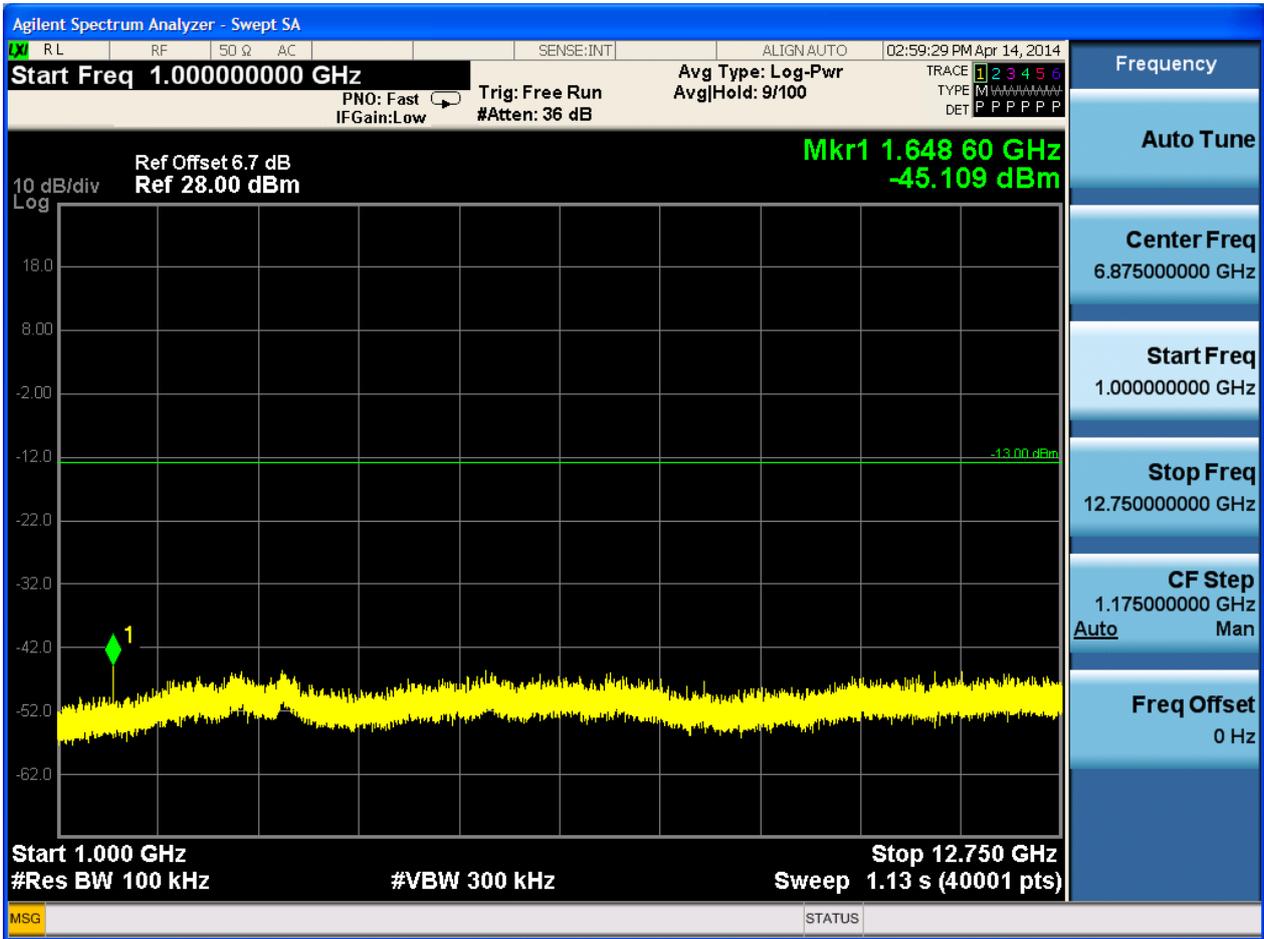






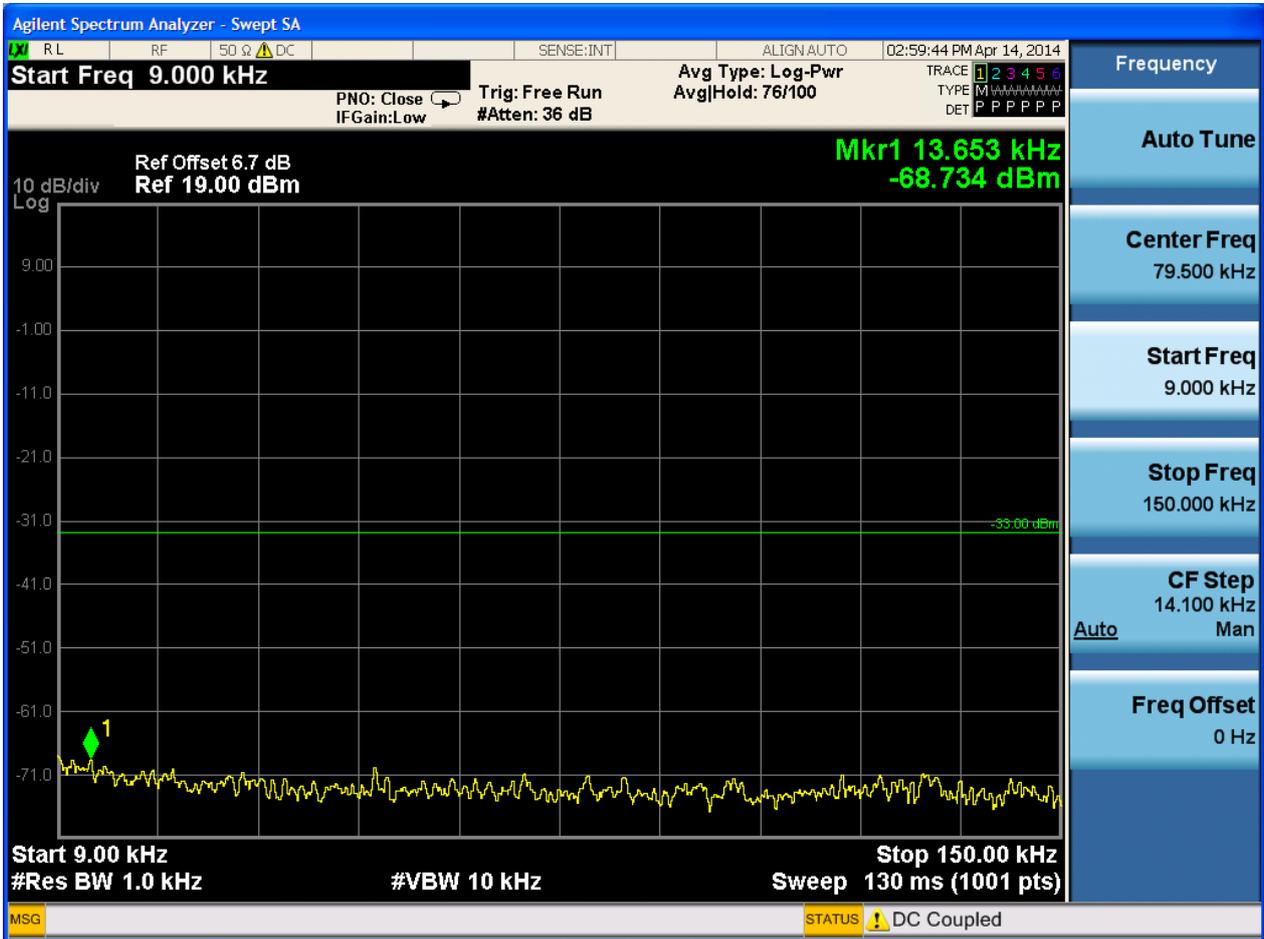




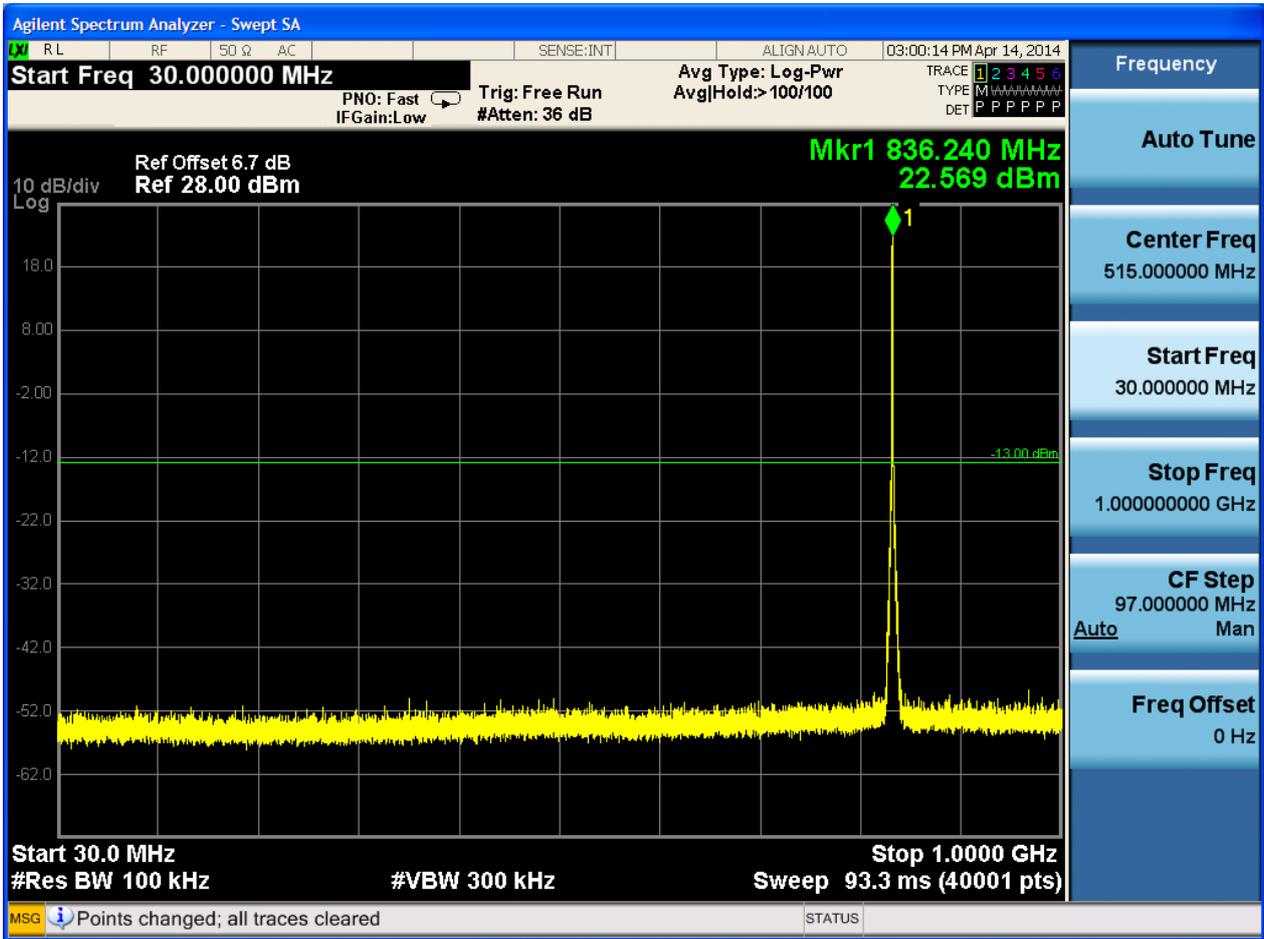




### 5.1.1.2.2 Test Channel = MCH



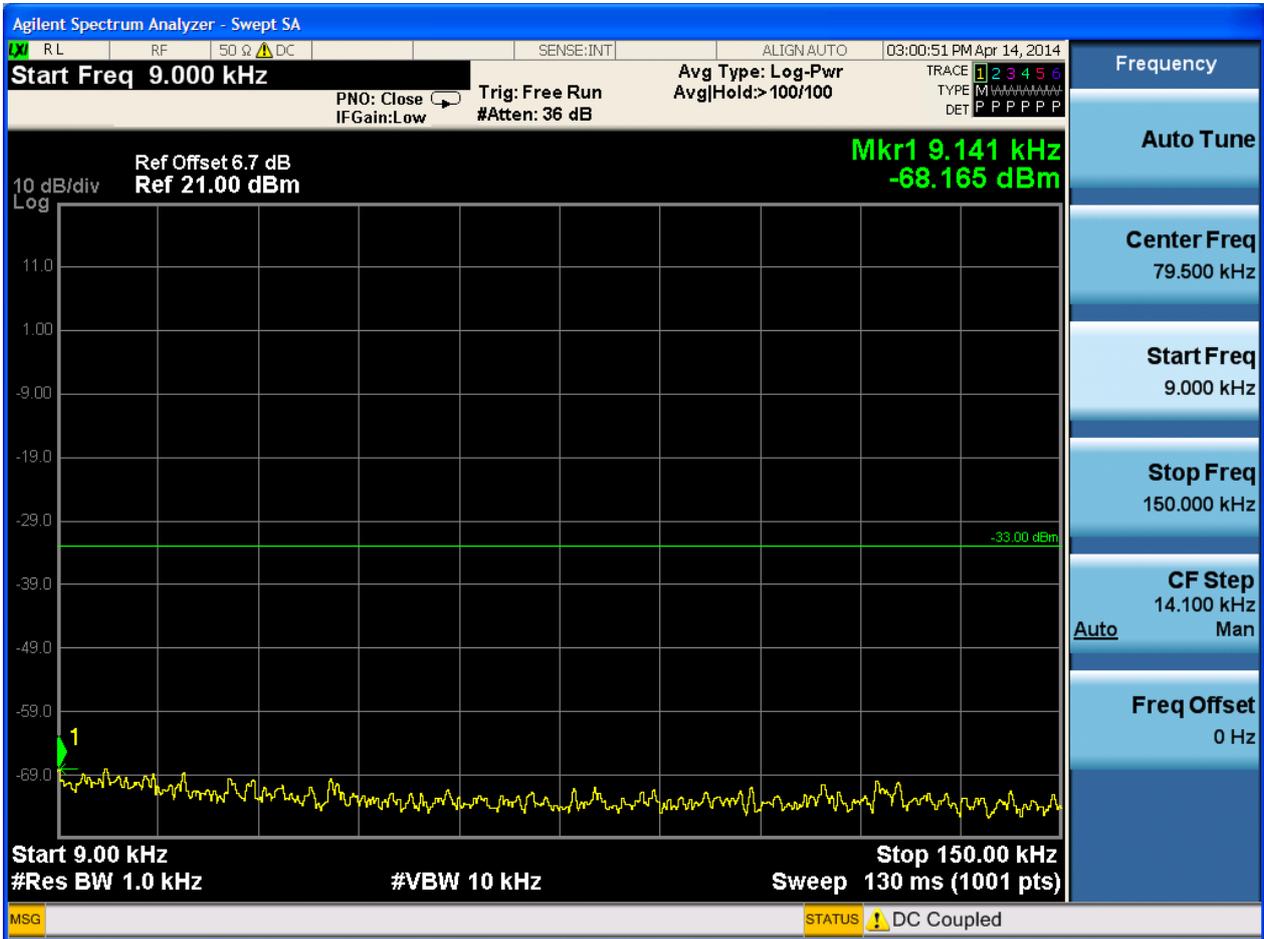


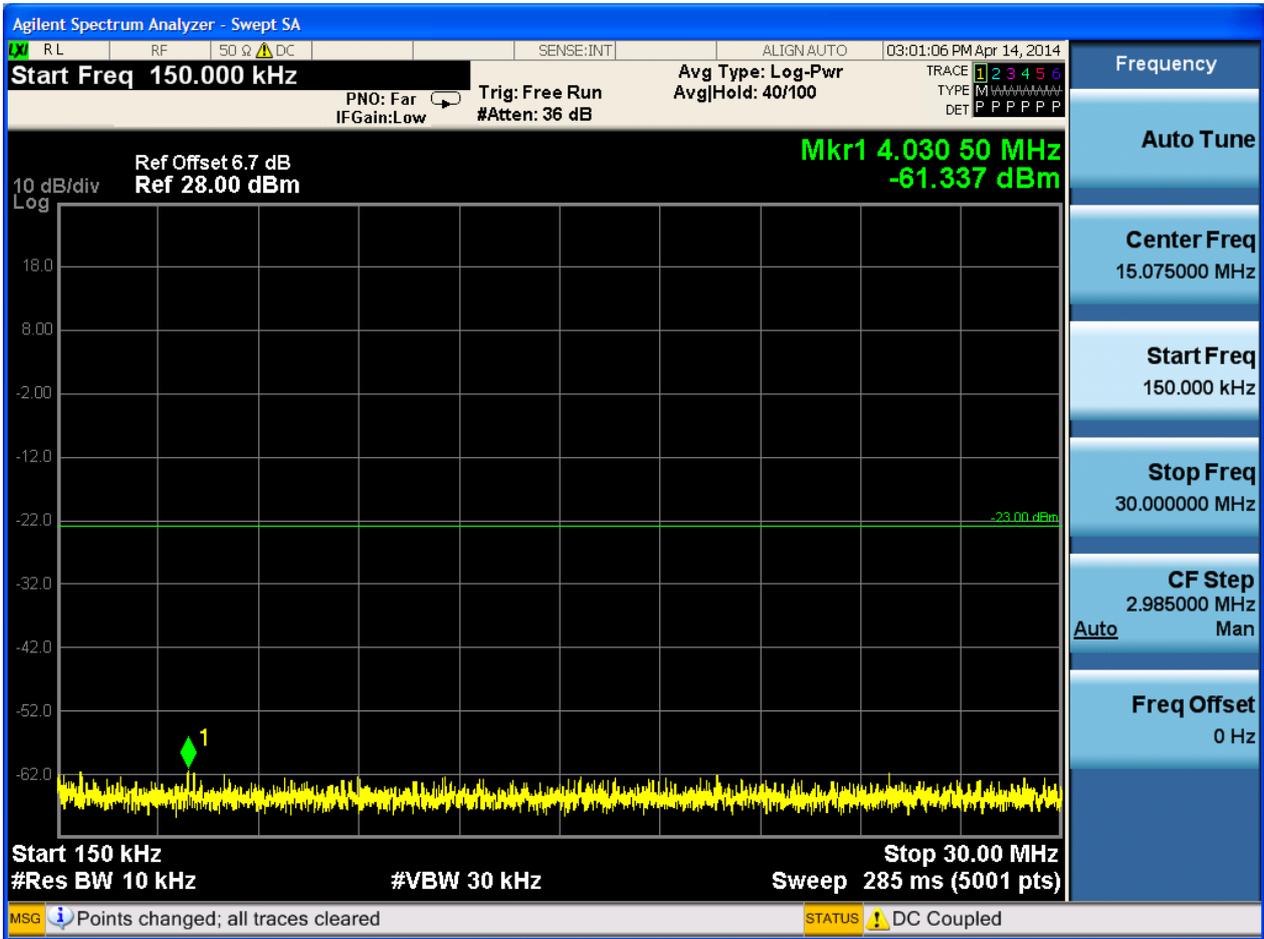


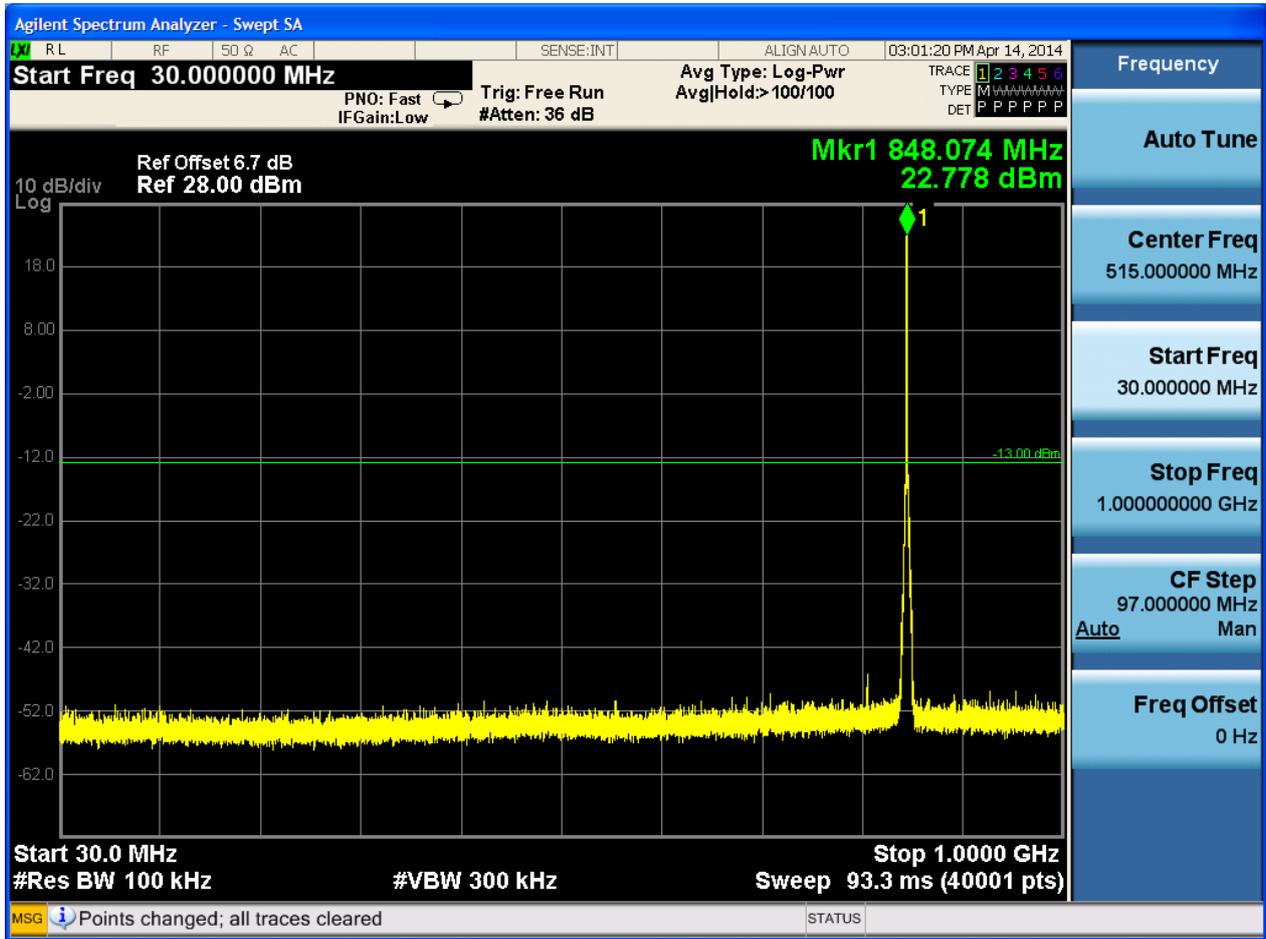


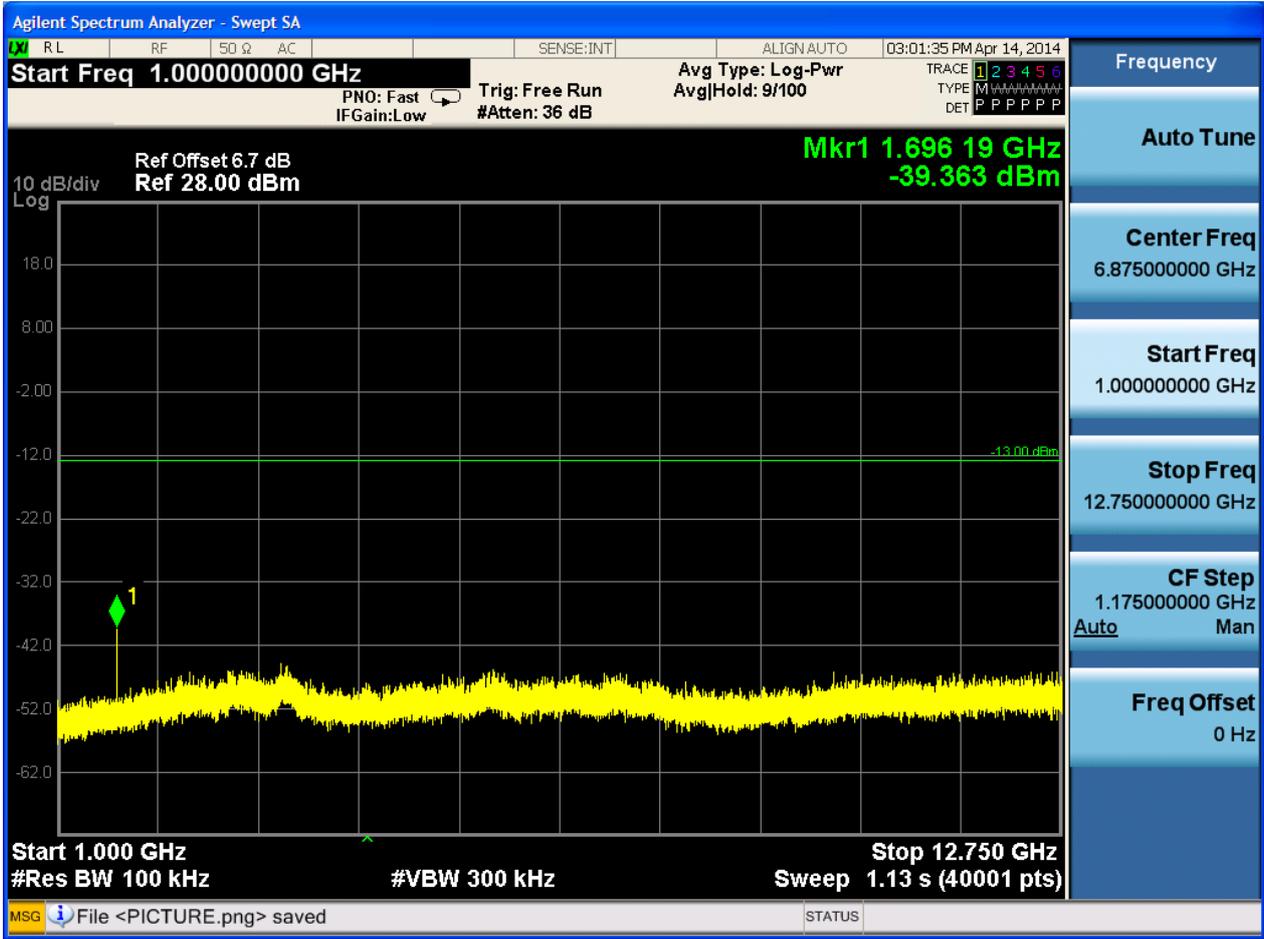


### 5.1.1.2.3 Test Channel = HCH







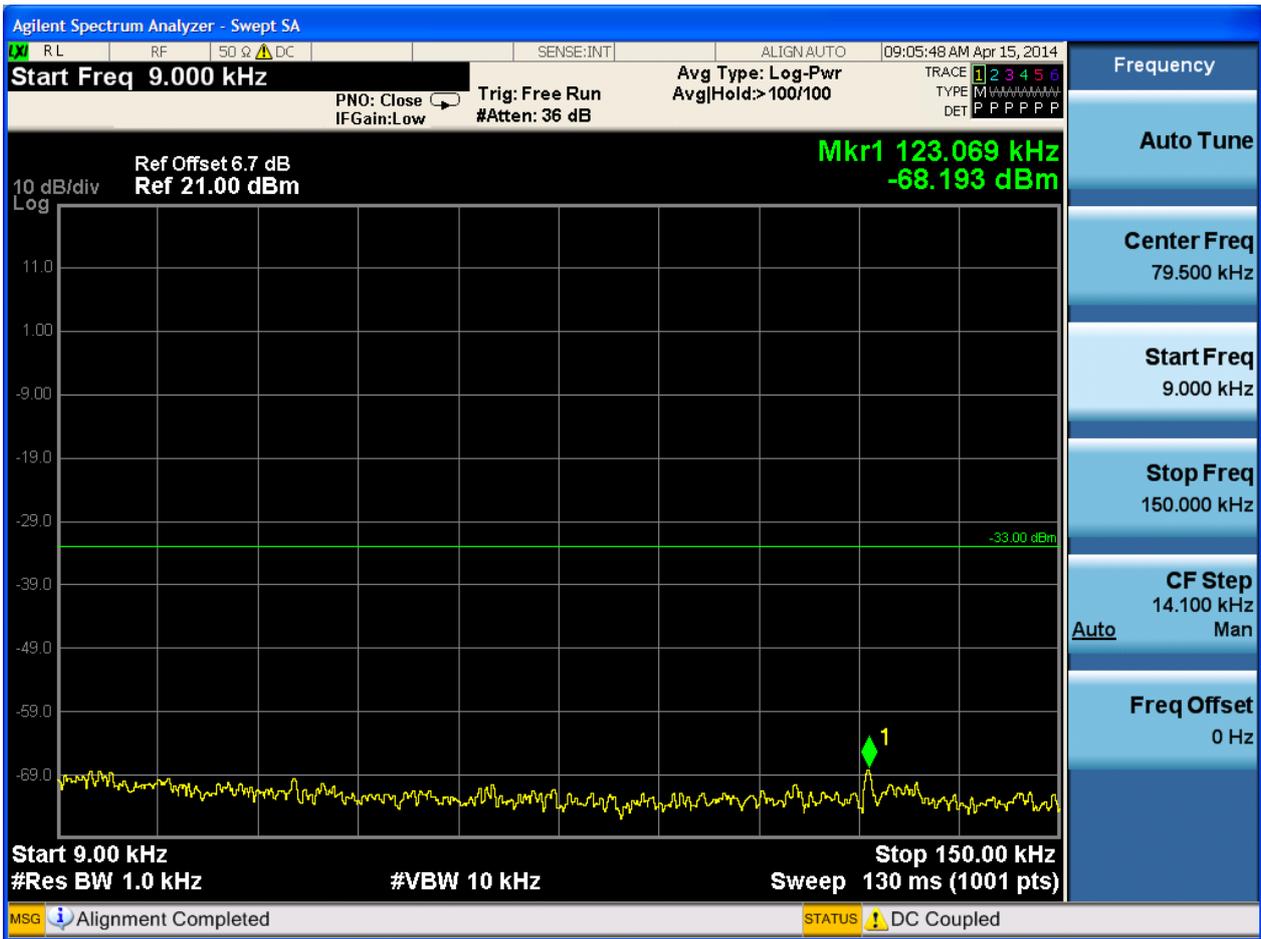


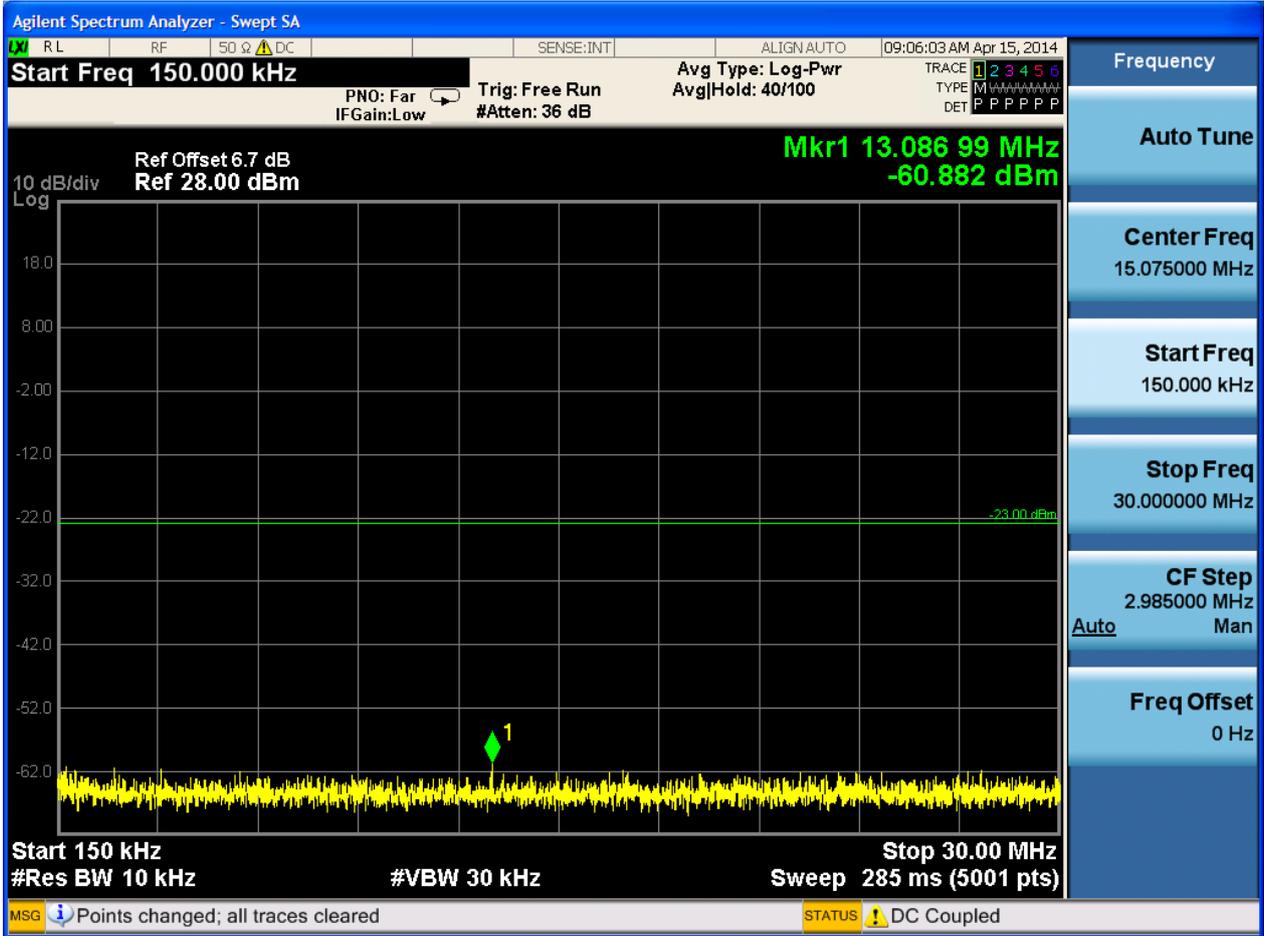


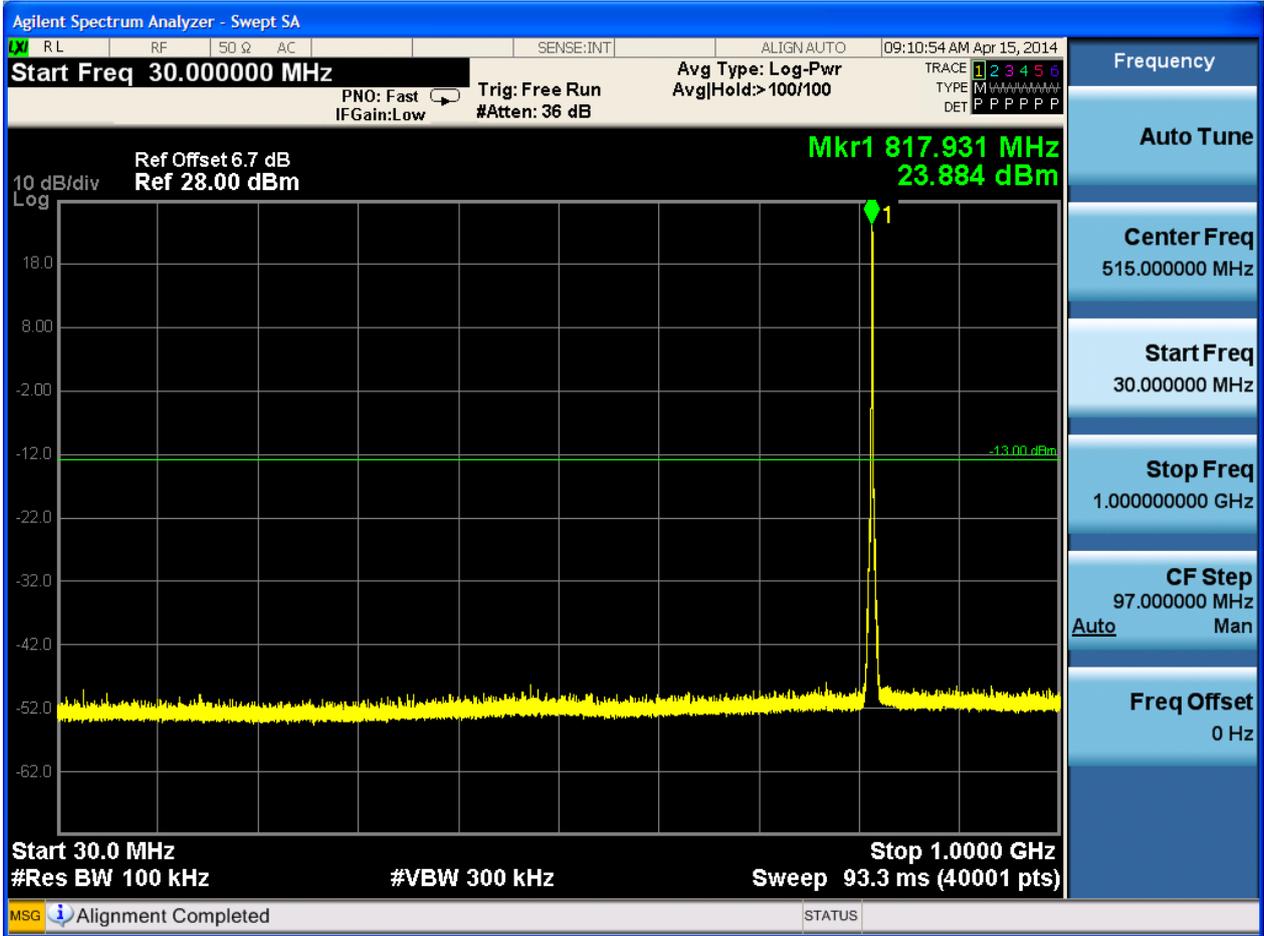
5.1.1 Test Band = BC10

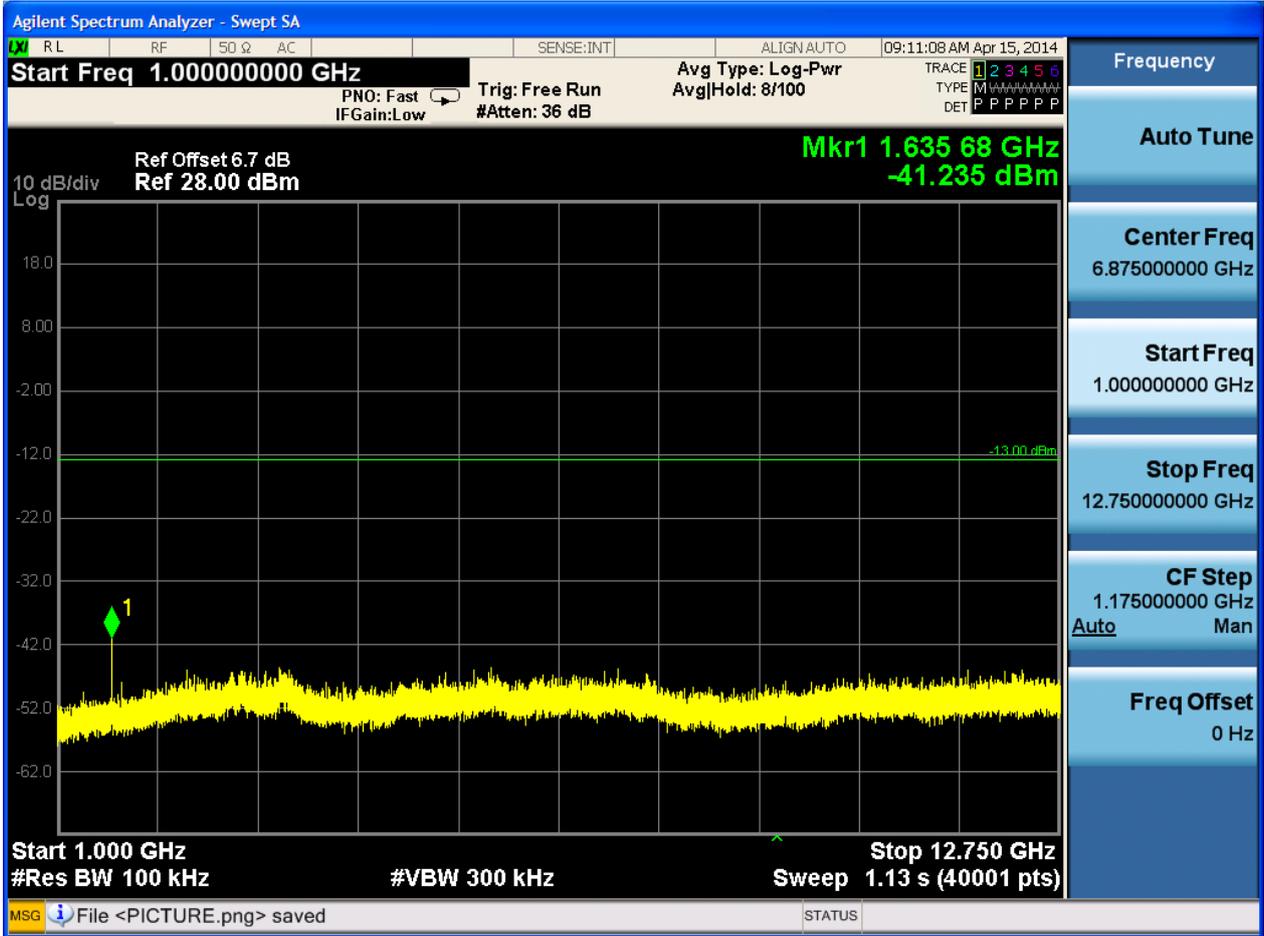
5.1.1.1 Test Mode = CDMA/1X/TM1

5.1.1.1.1 Test Channel = LCH

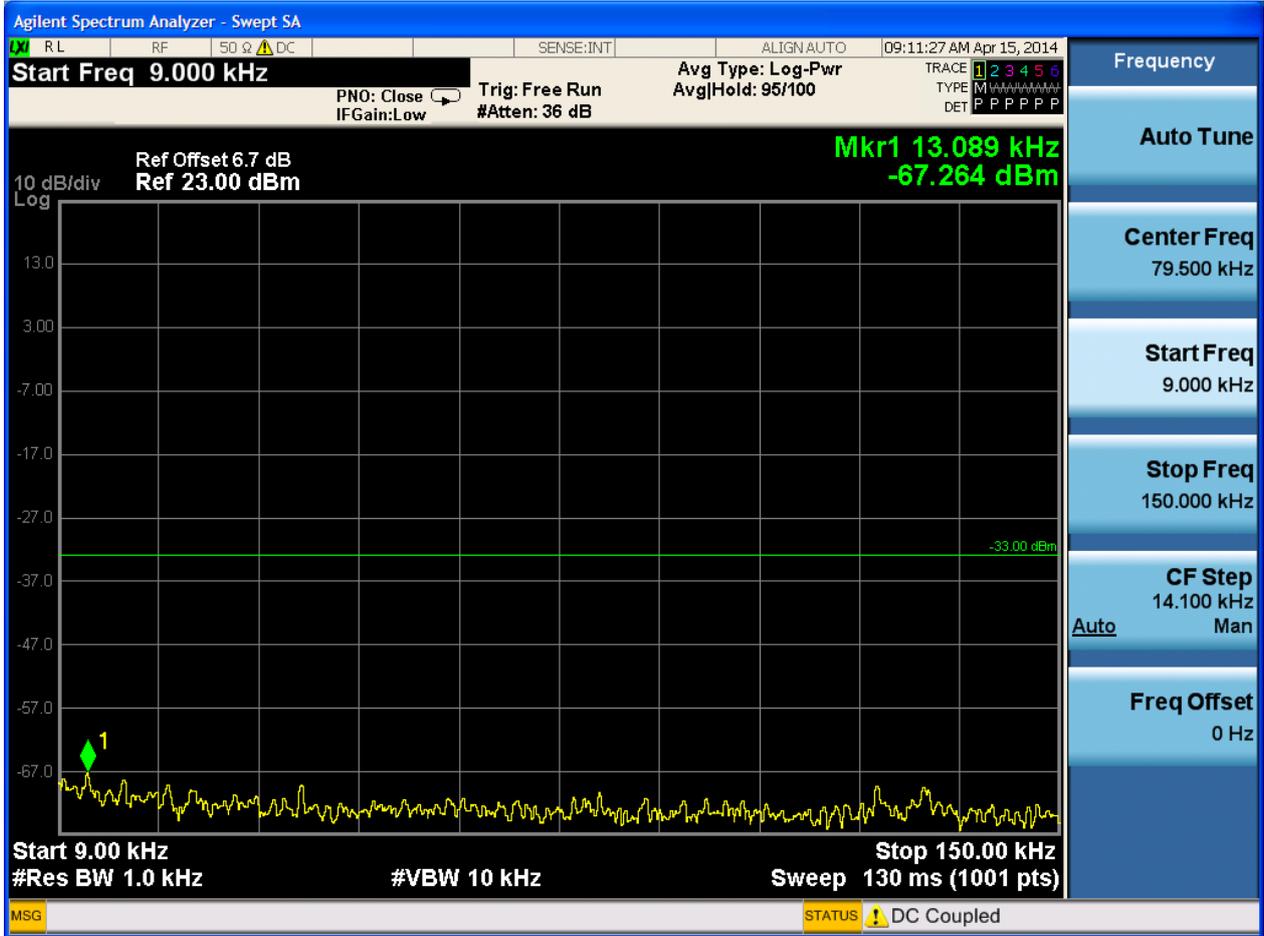


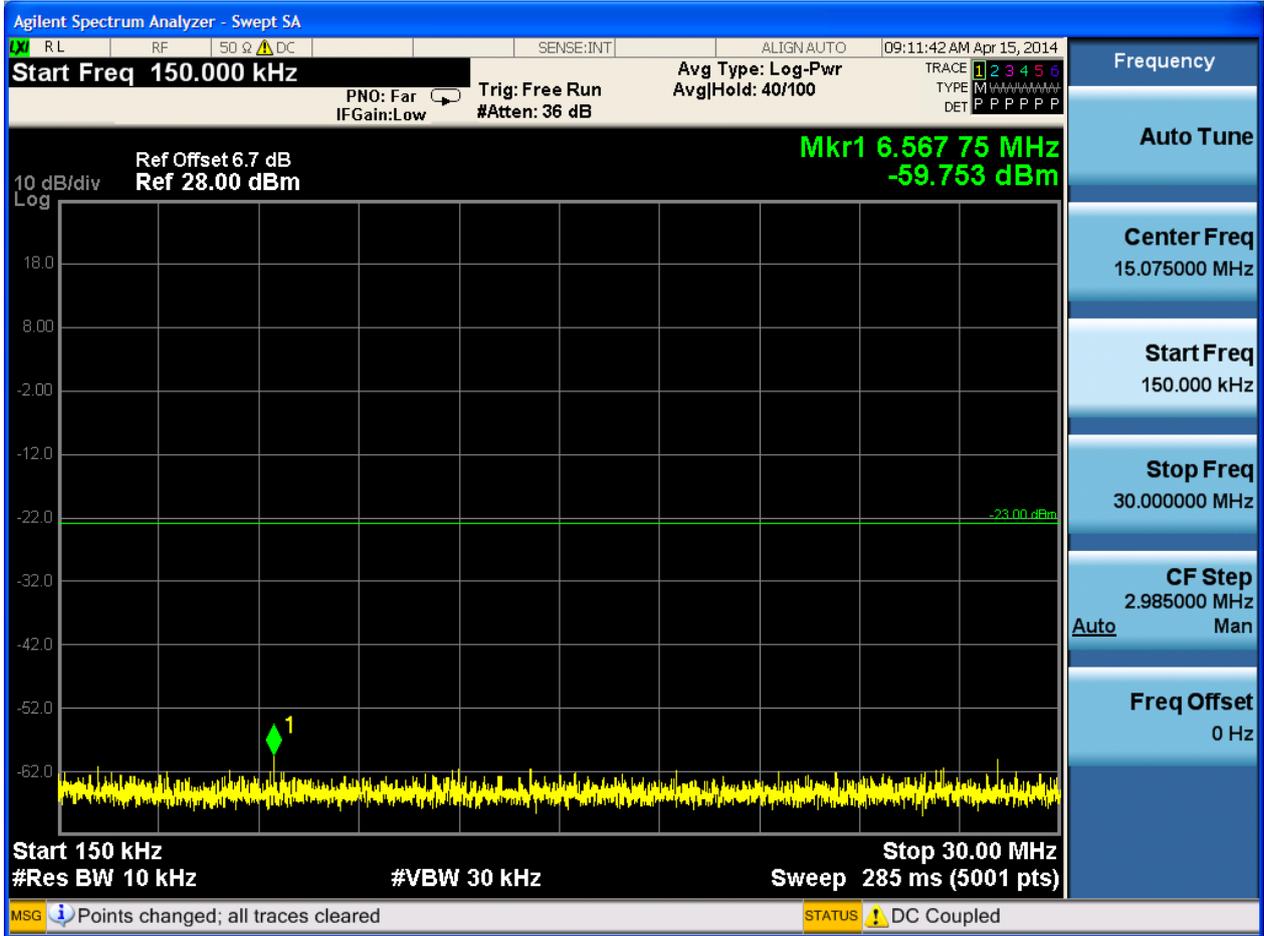


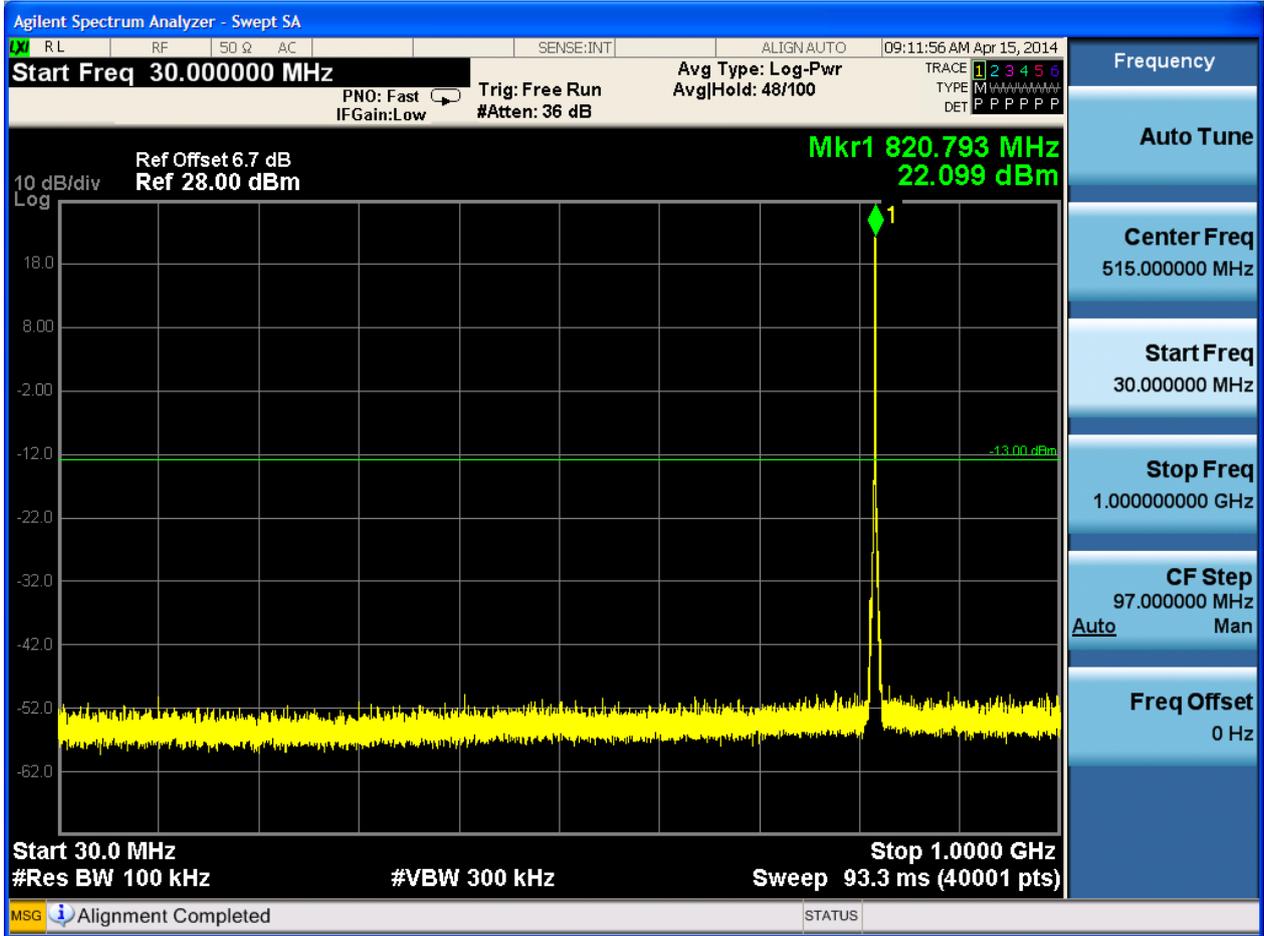


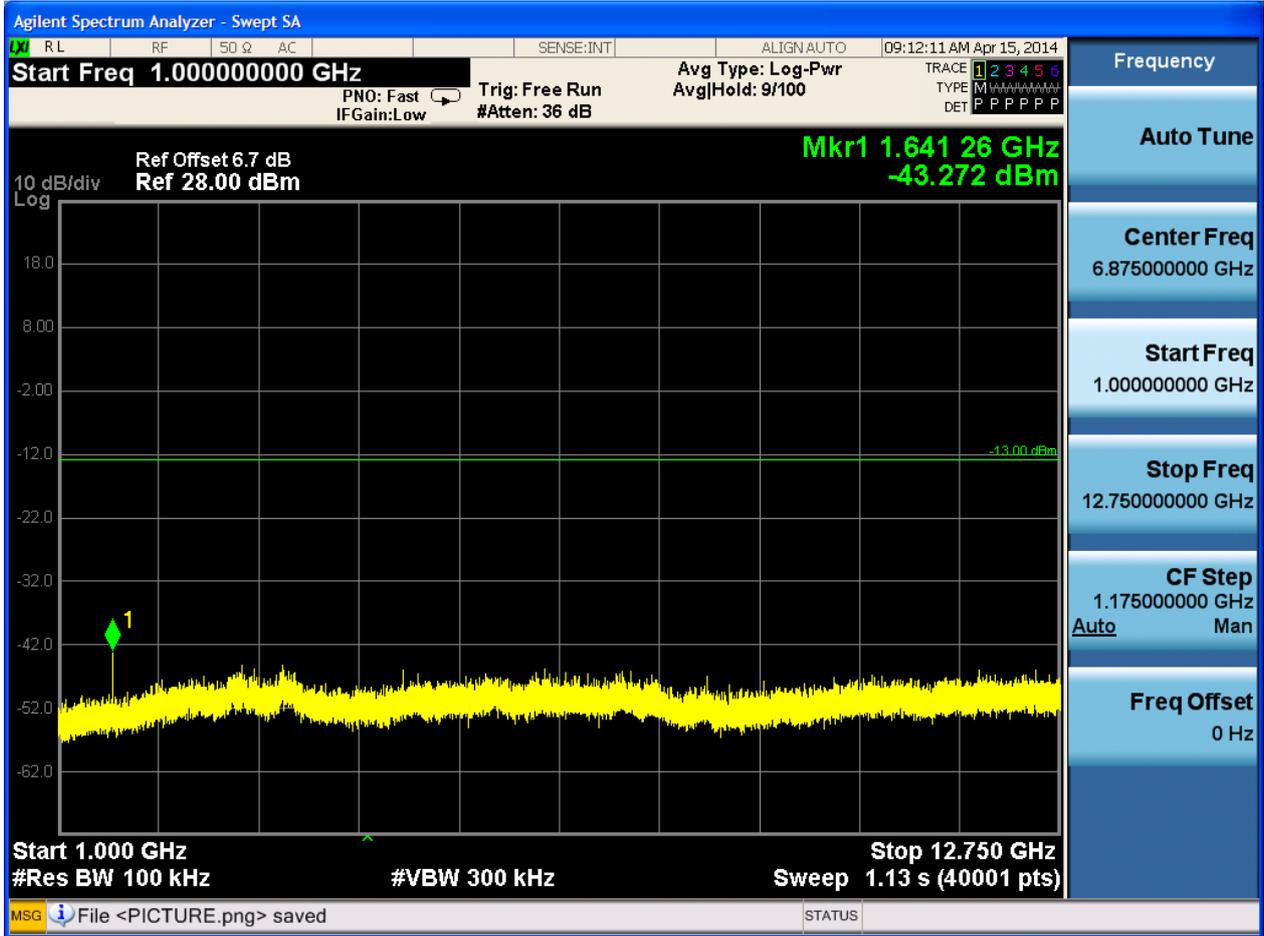


### 5.1.1.1.2 Test Channel = MCH

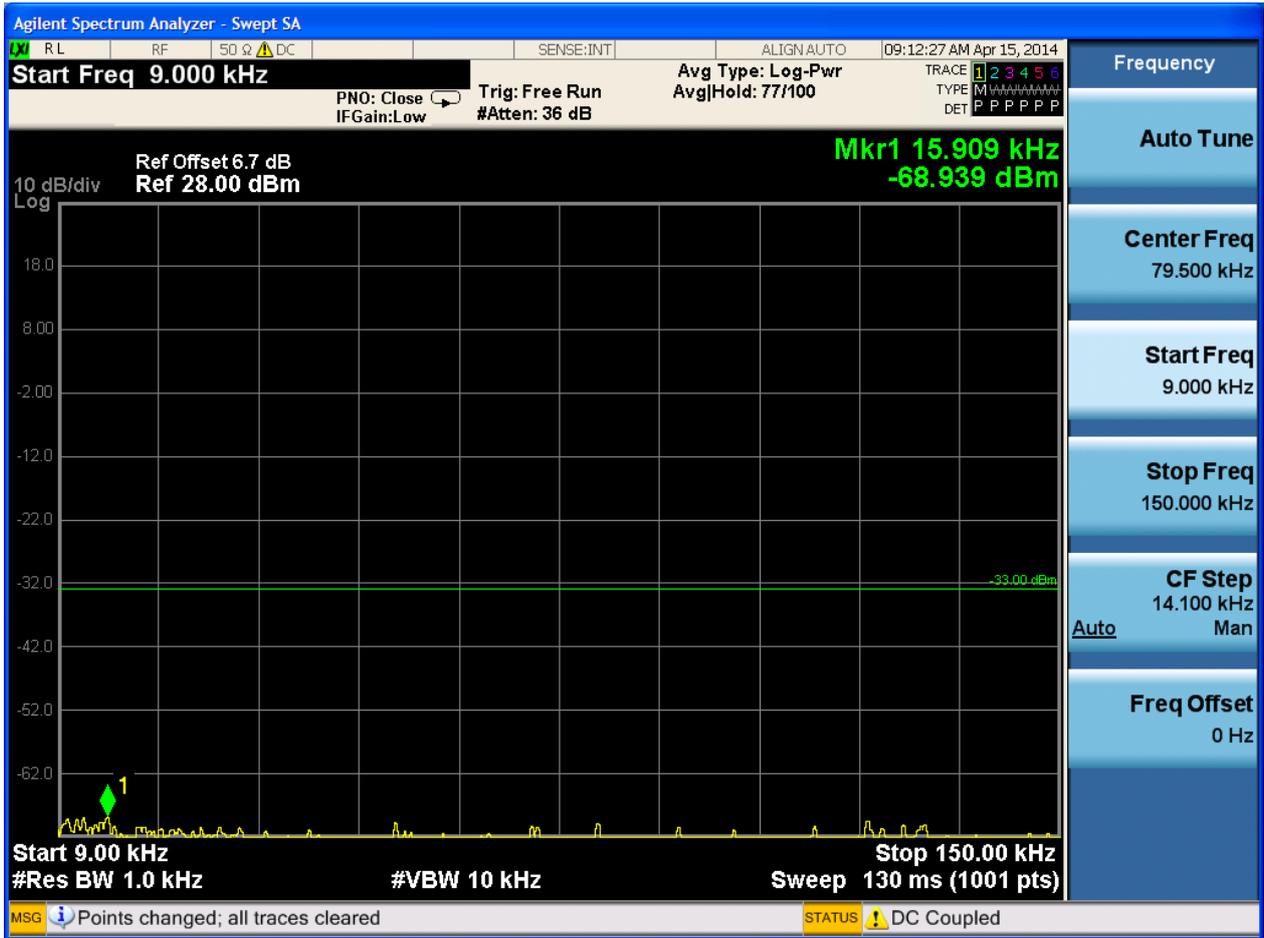


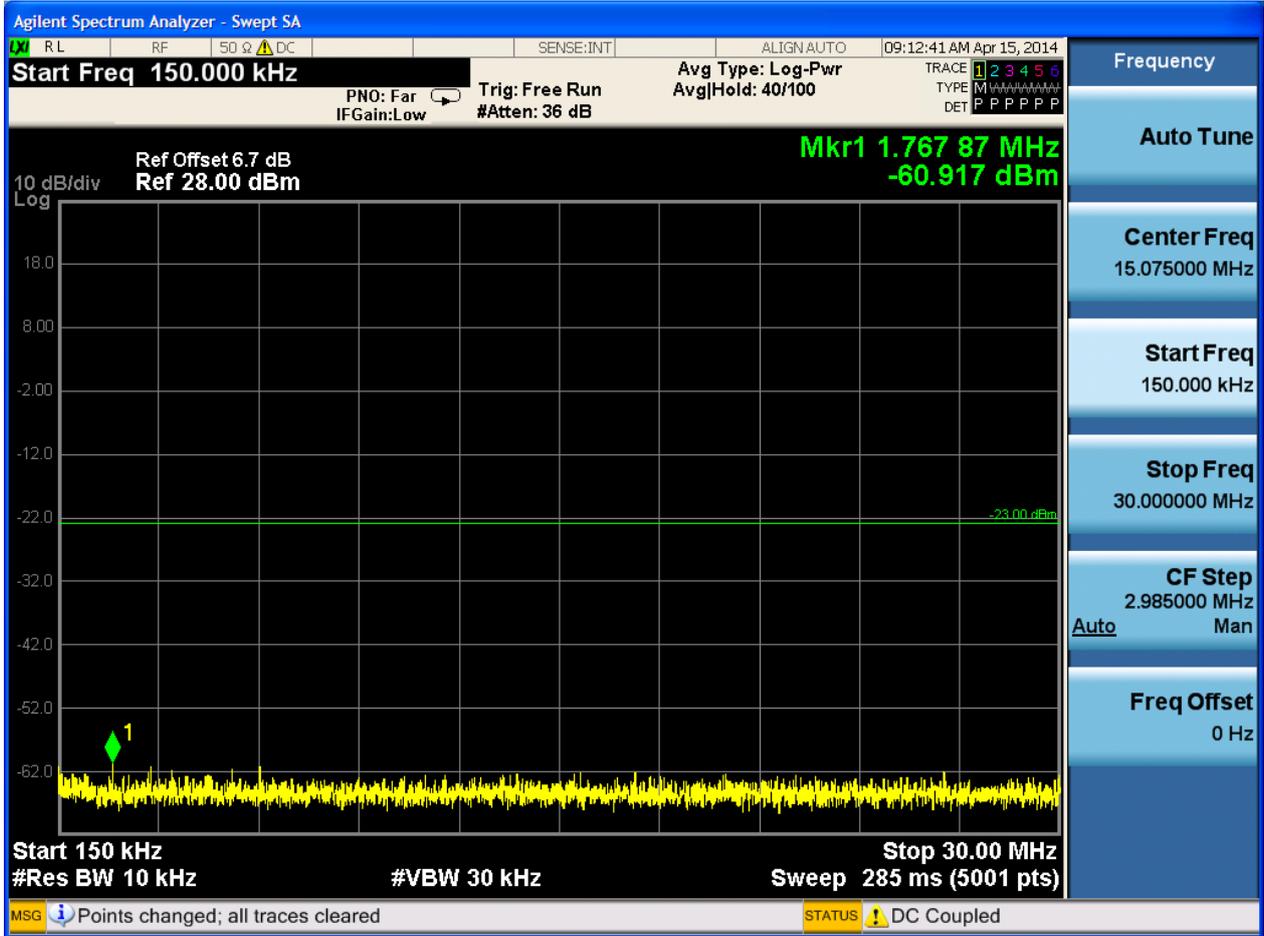


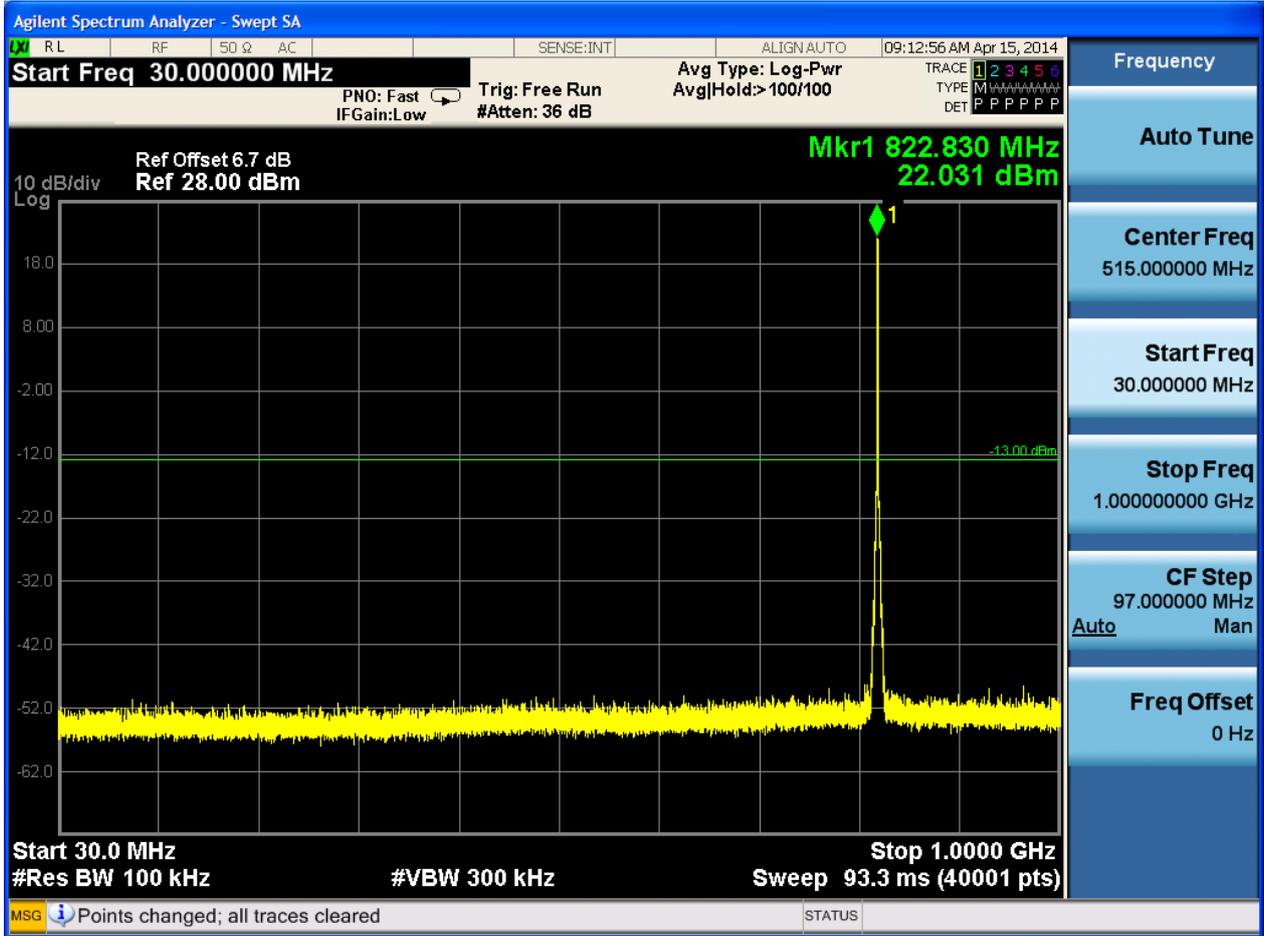


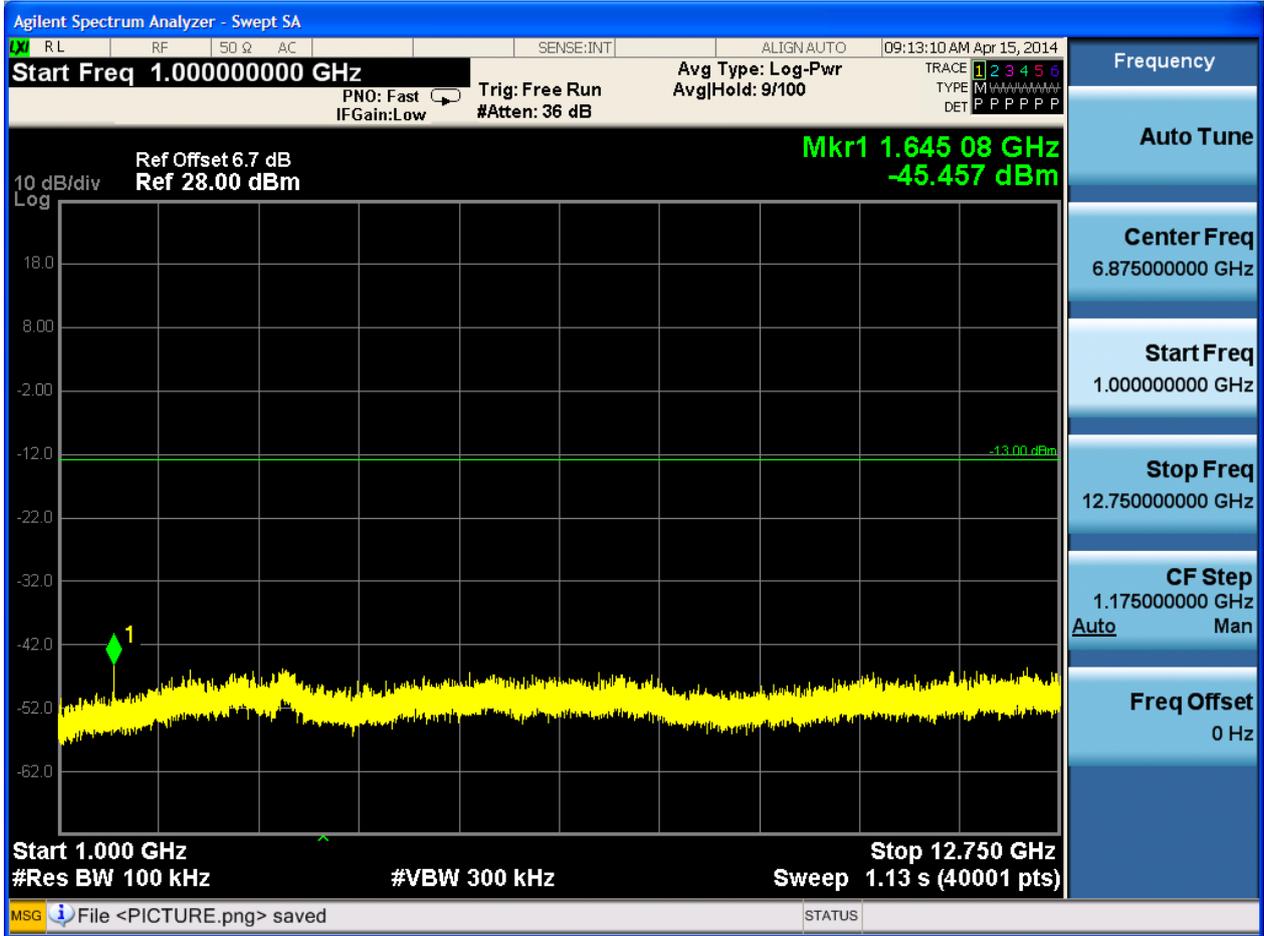


### 5.1.1.1.3 Test Channel =HCH



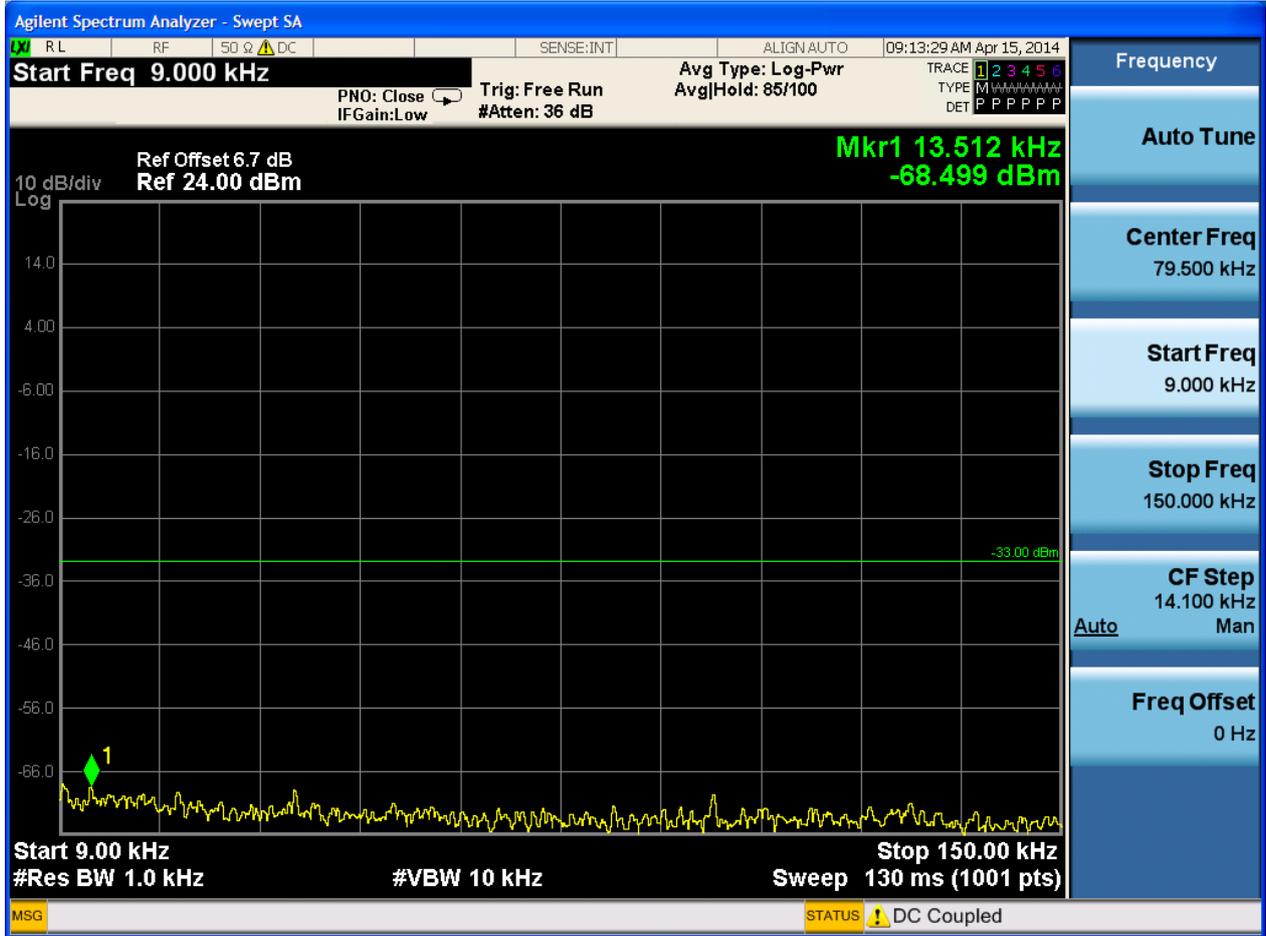


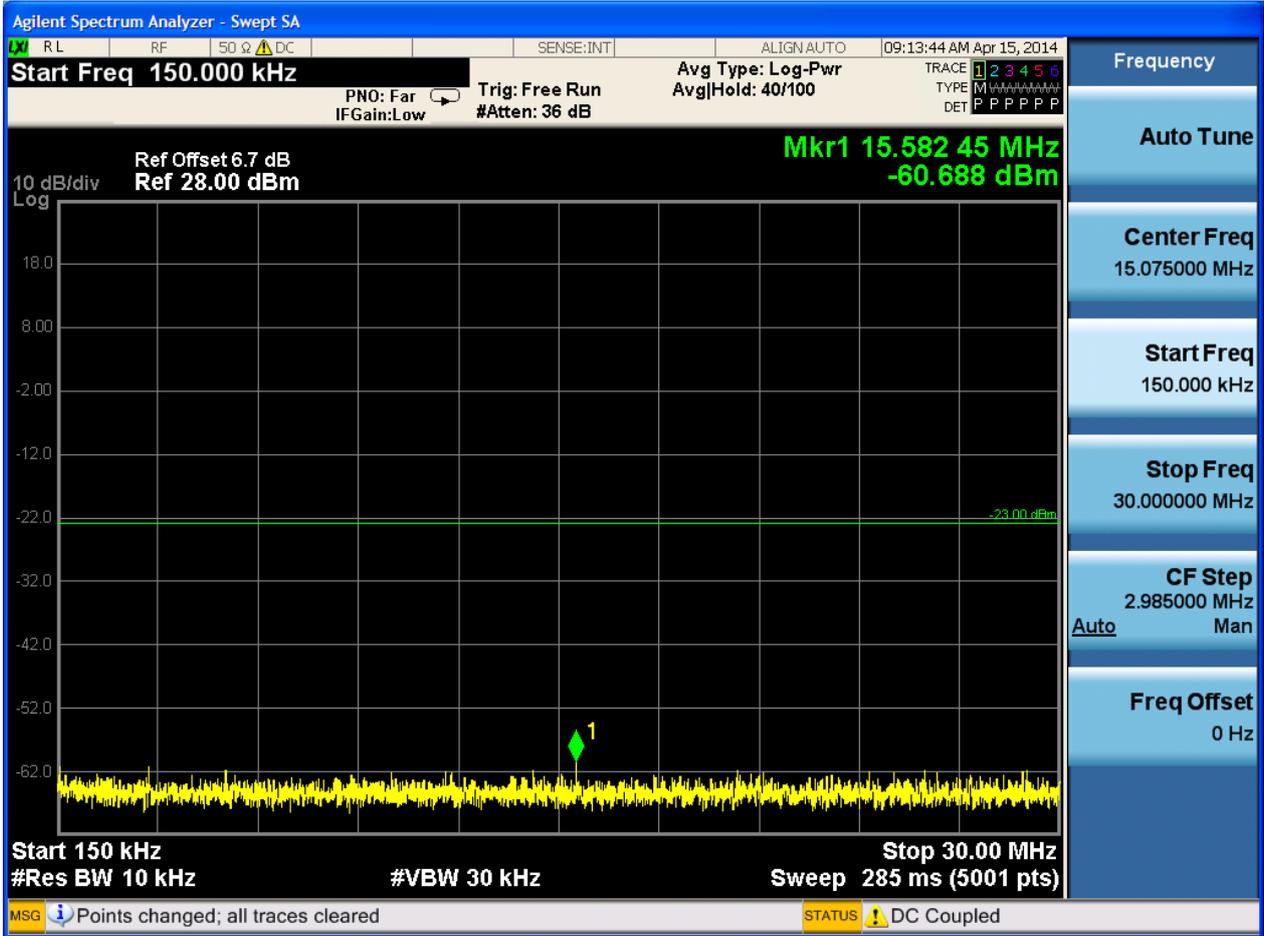


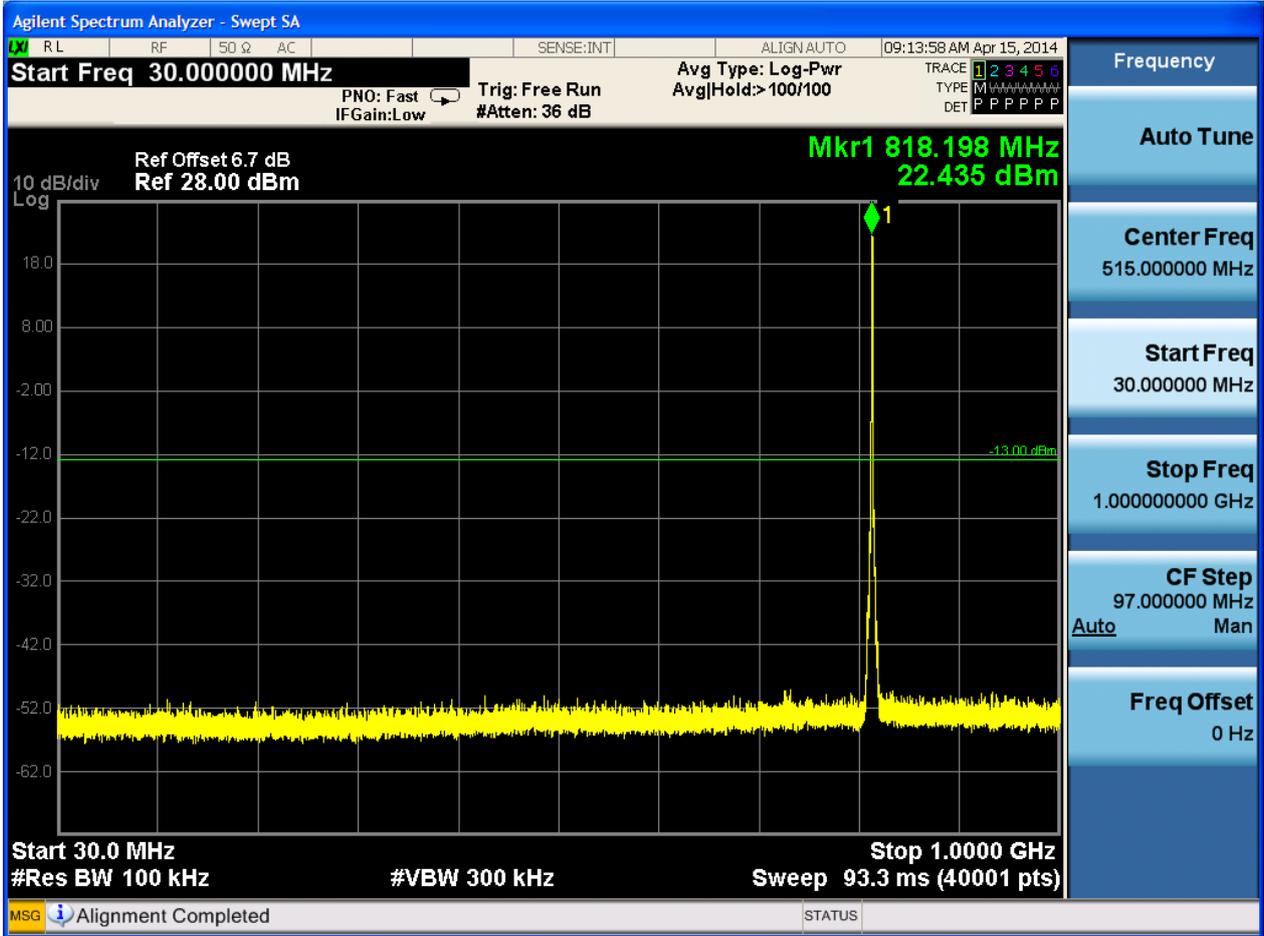


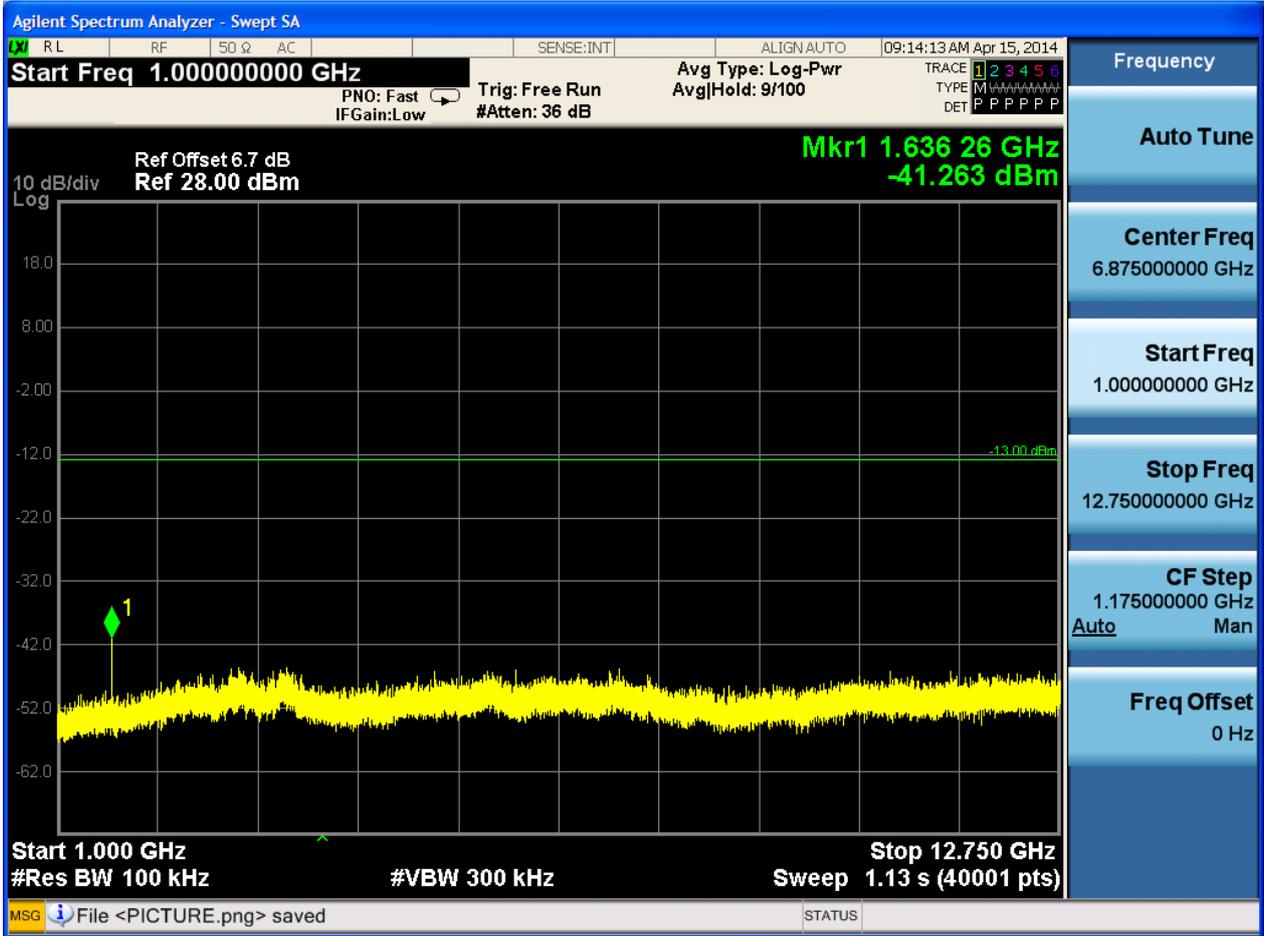
### 5.1.1.2 Test Mode = CDMA/1X/TM3

#### 5.1.1.2.1 Test Channel = LCH

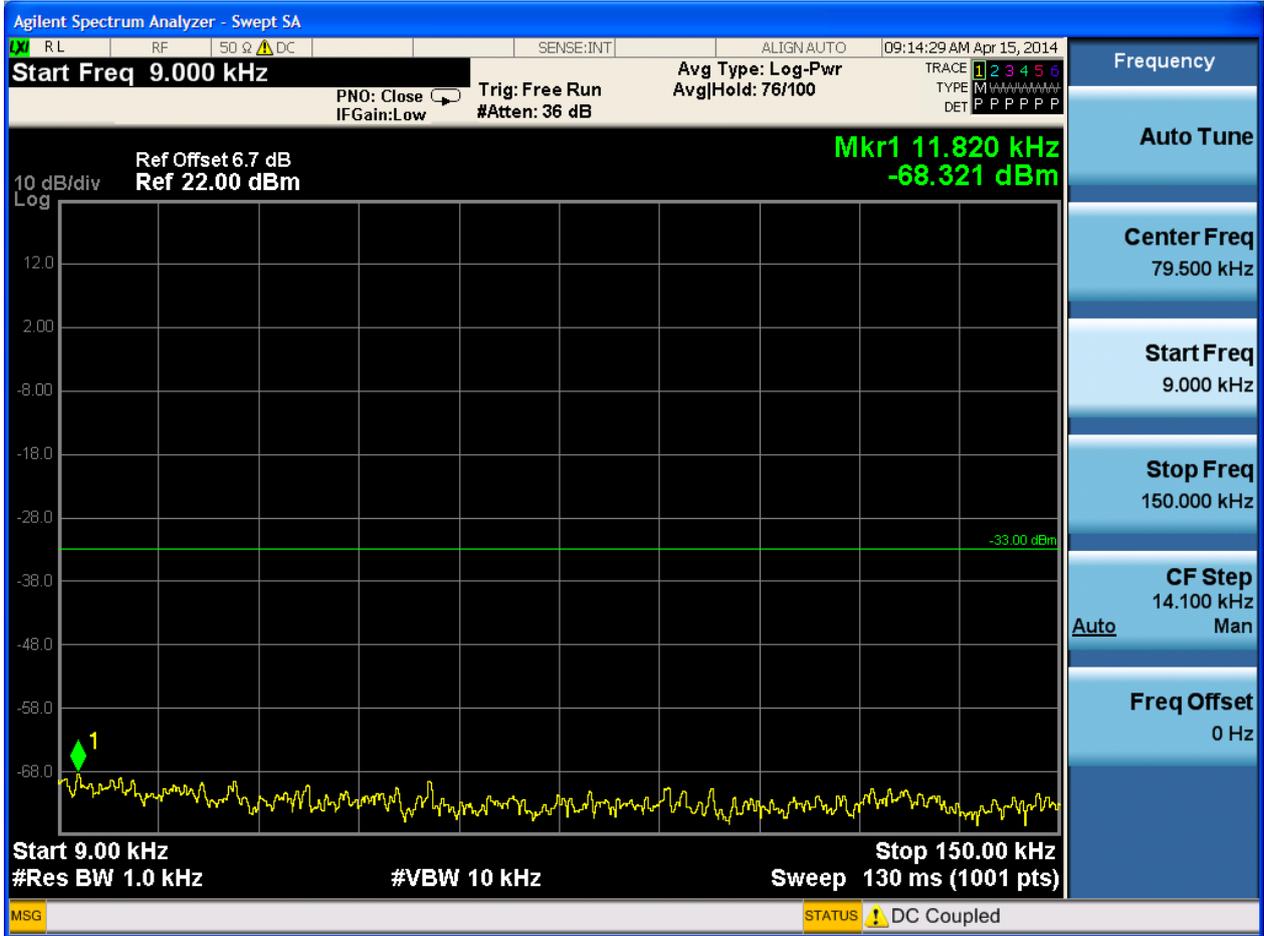


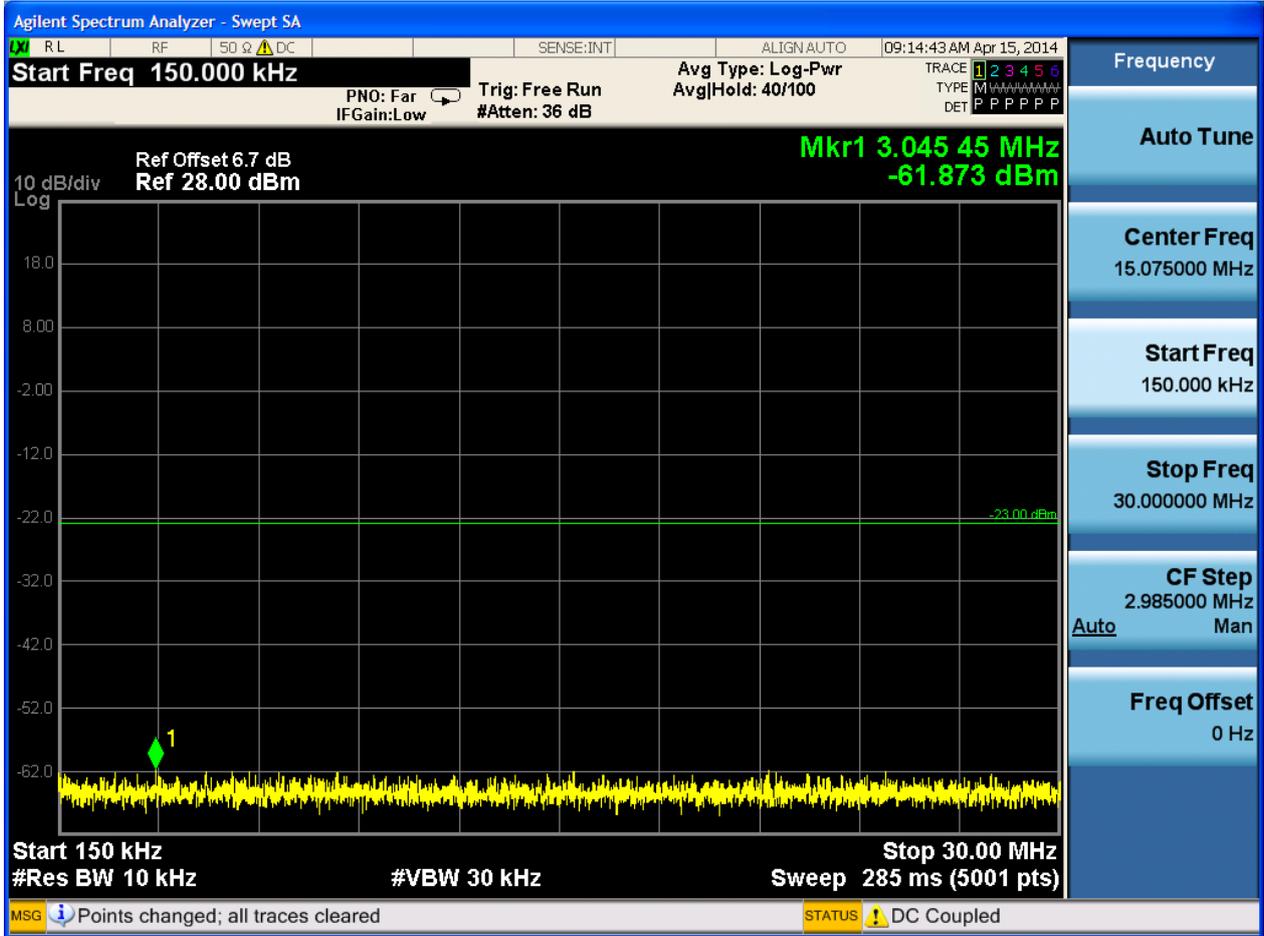


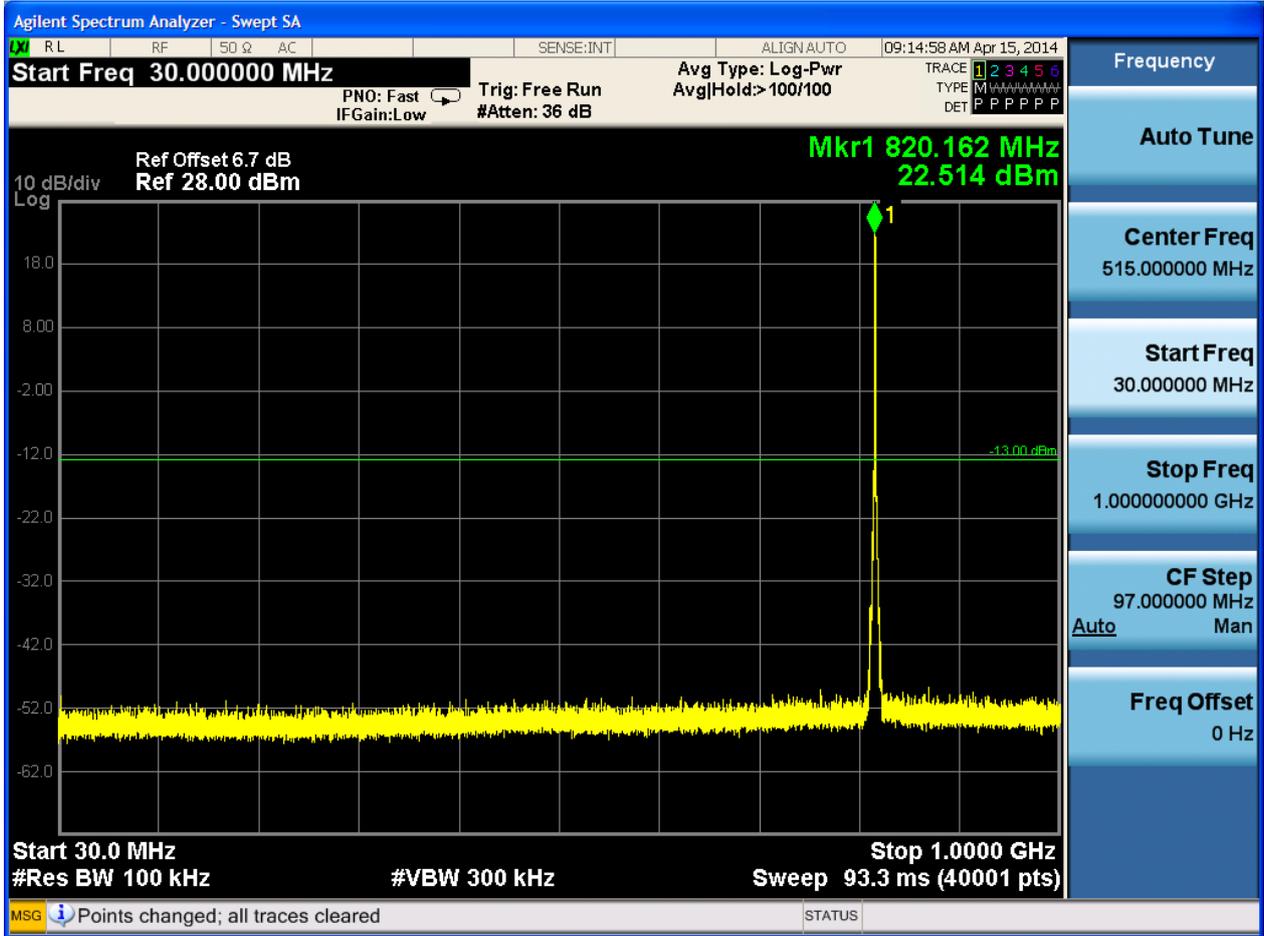


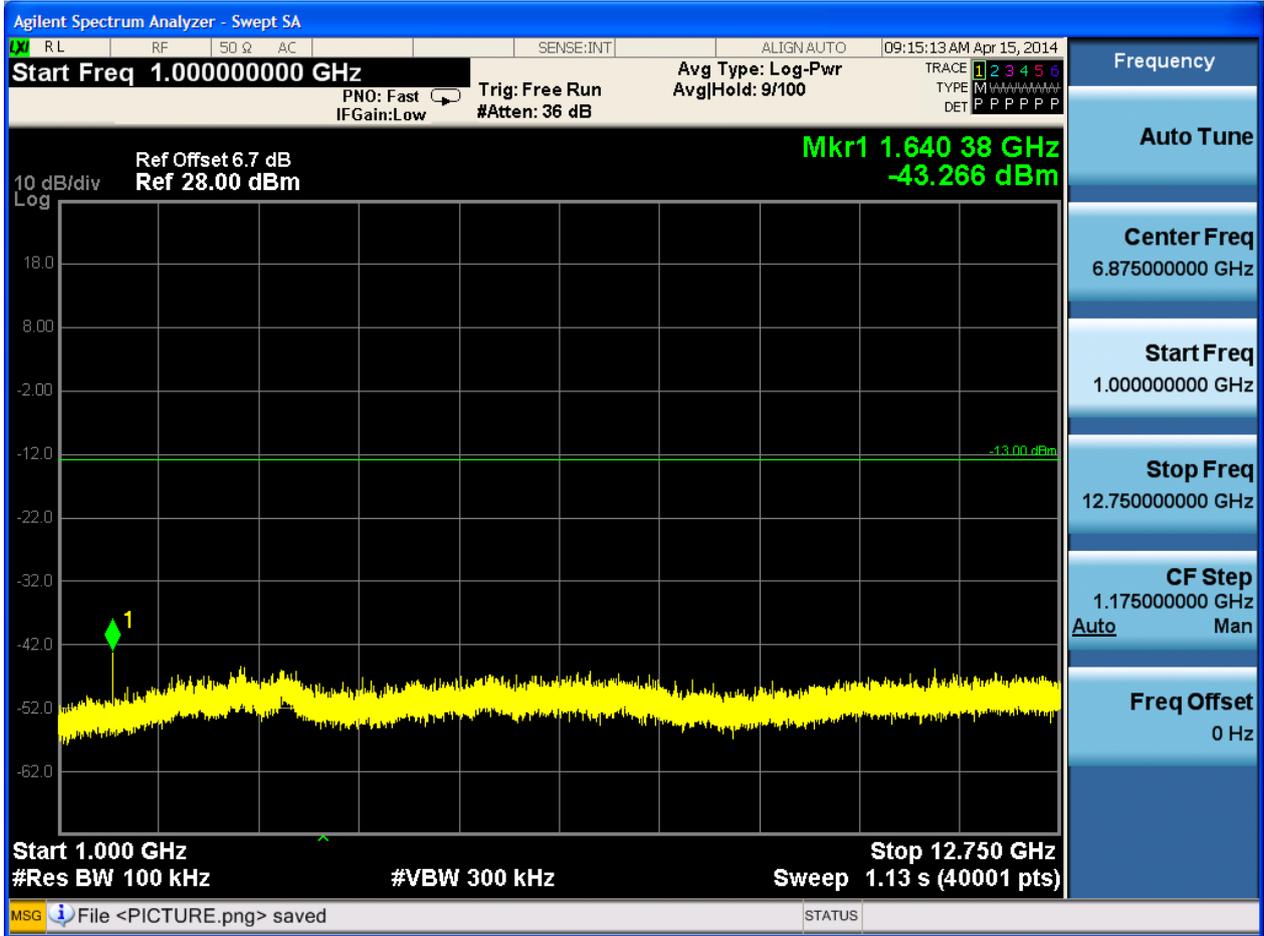


### 5.1.1.2.2 Test Channel = MCH

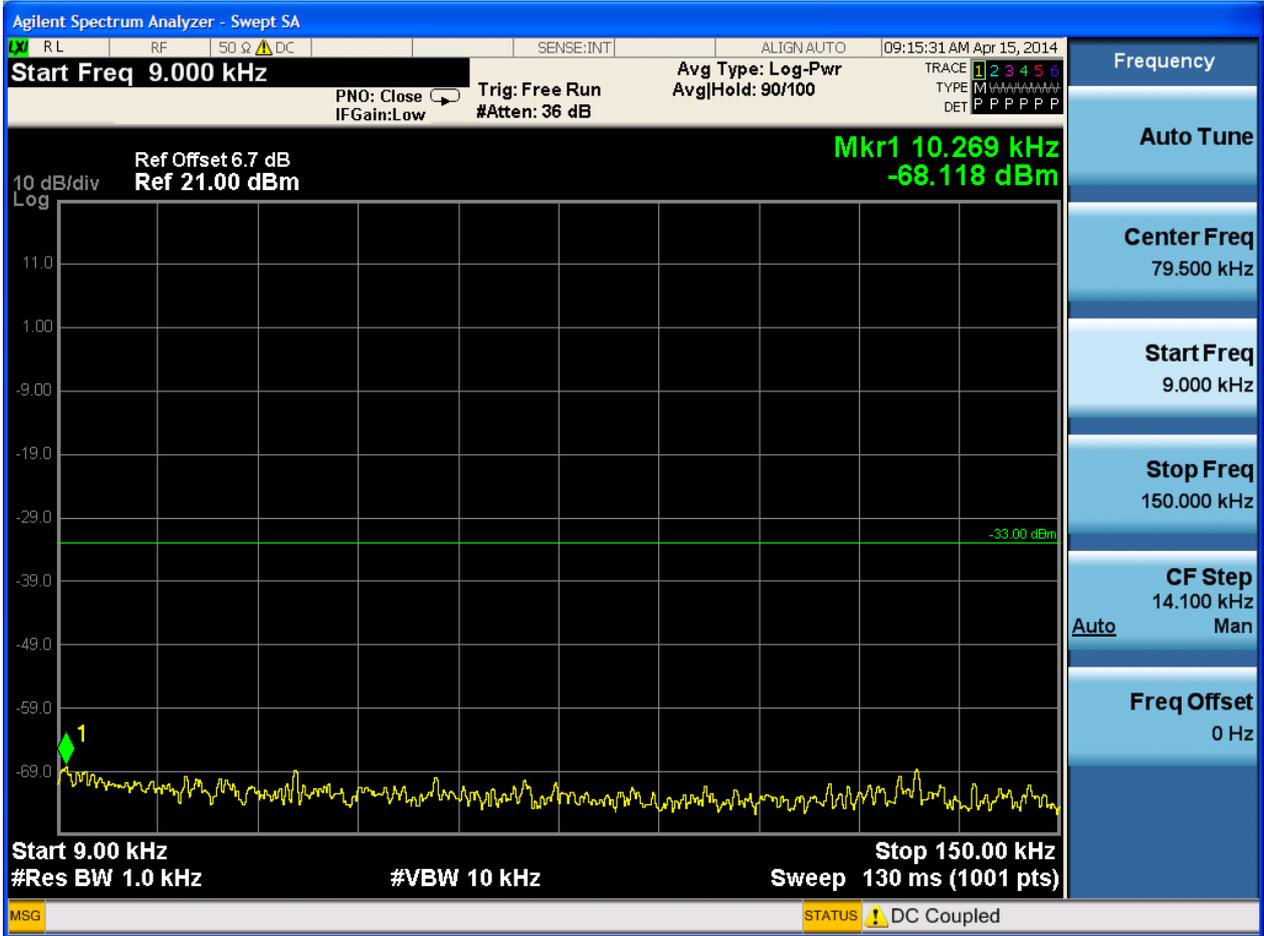


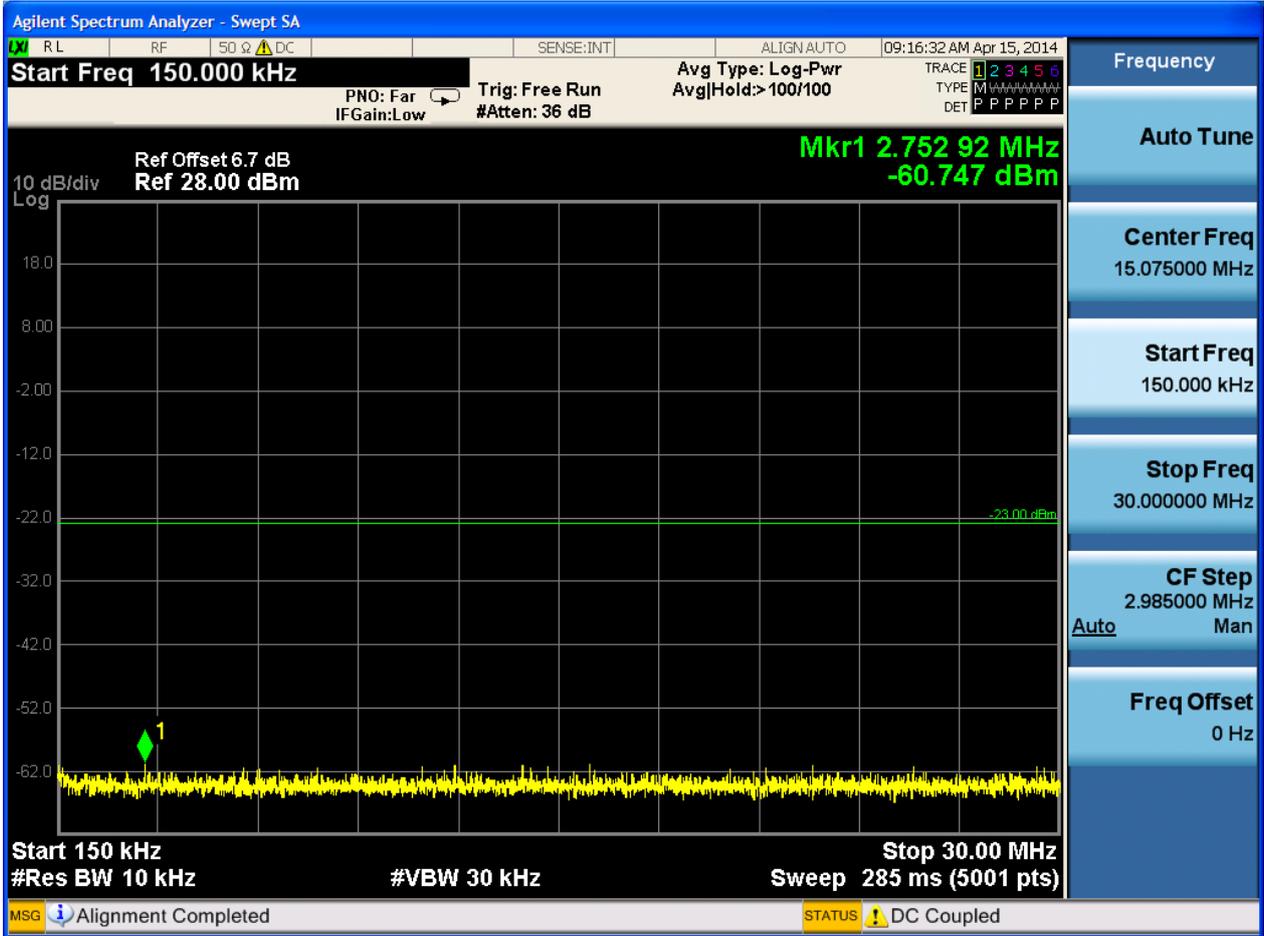


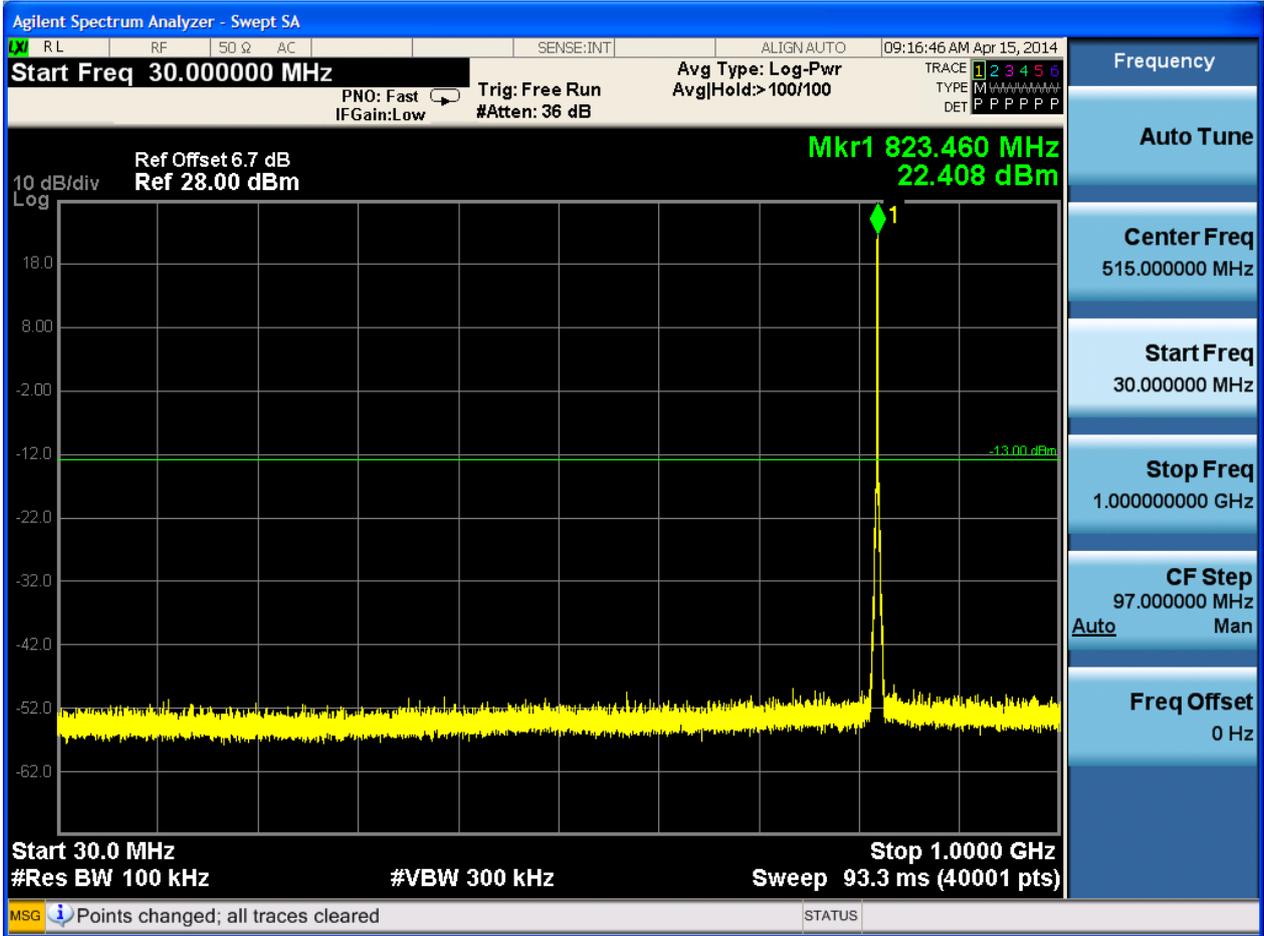


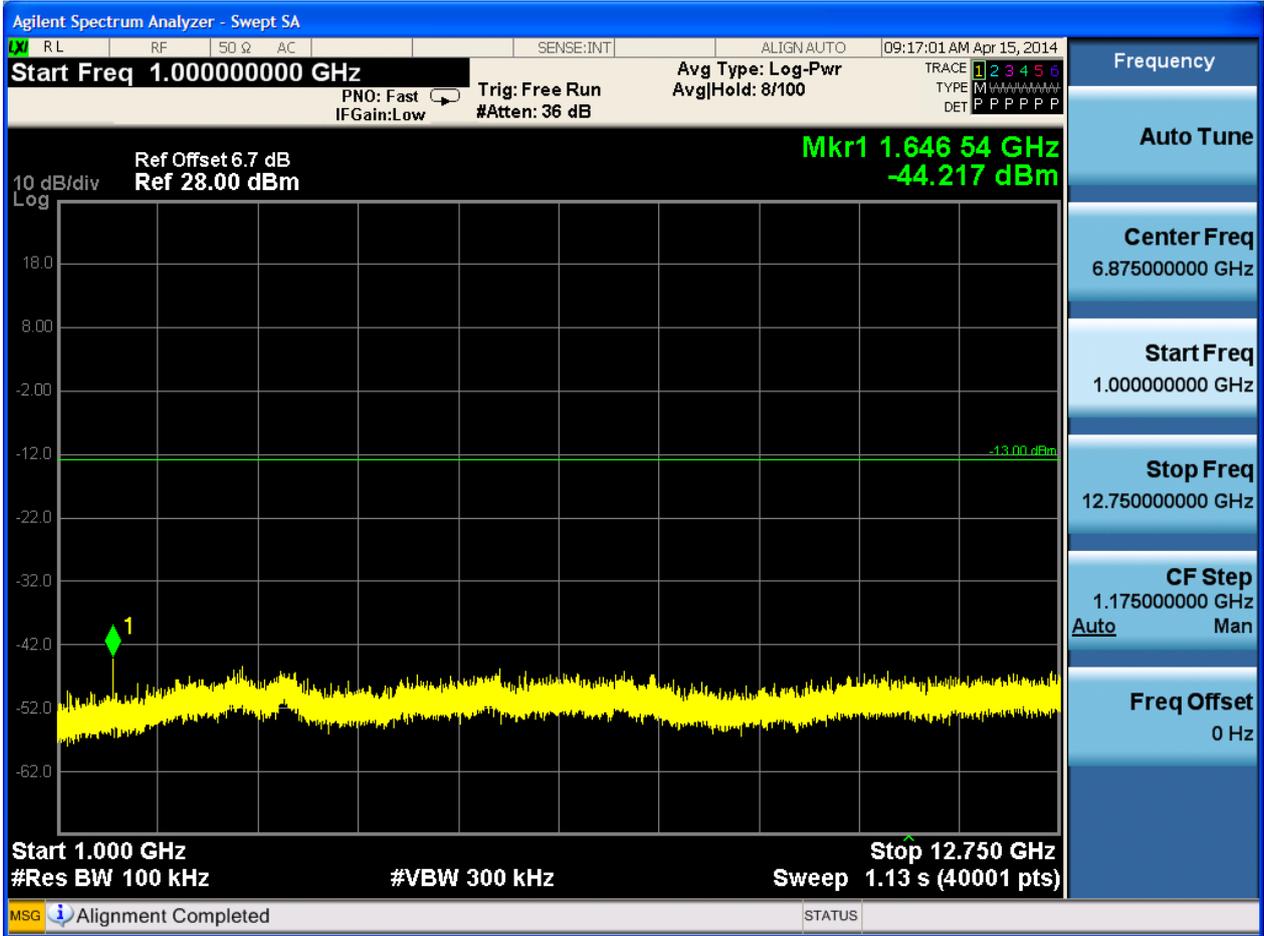


### 5.1.1.2.3 Test Channel =HCH











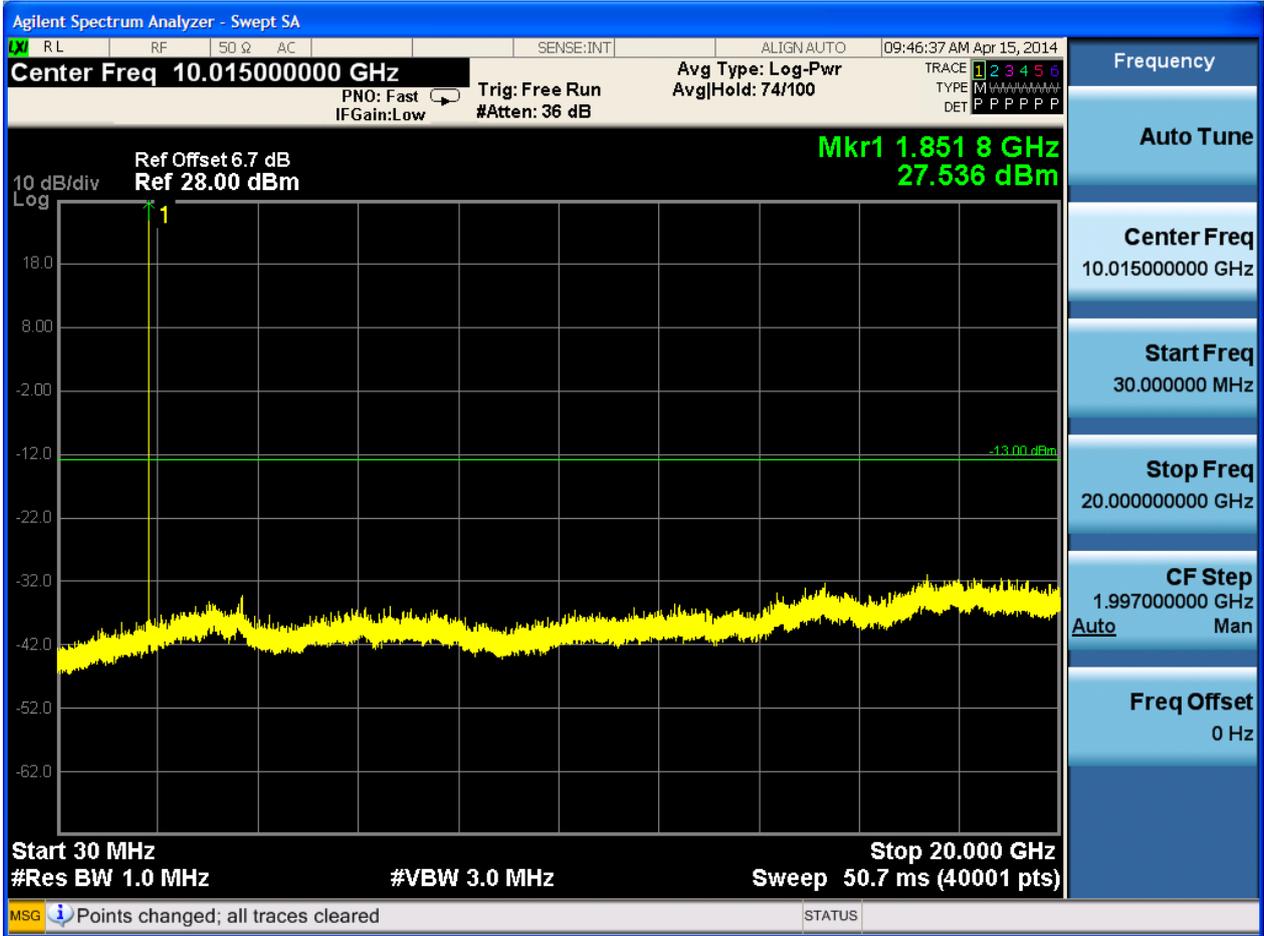
### 5.1.3 Test Band = BC1

#### 5.1.3.1 Test Mode = CDMA/1X/TM1

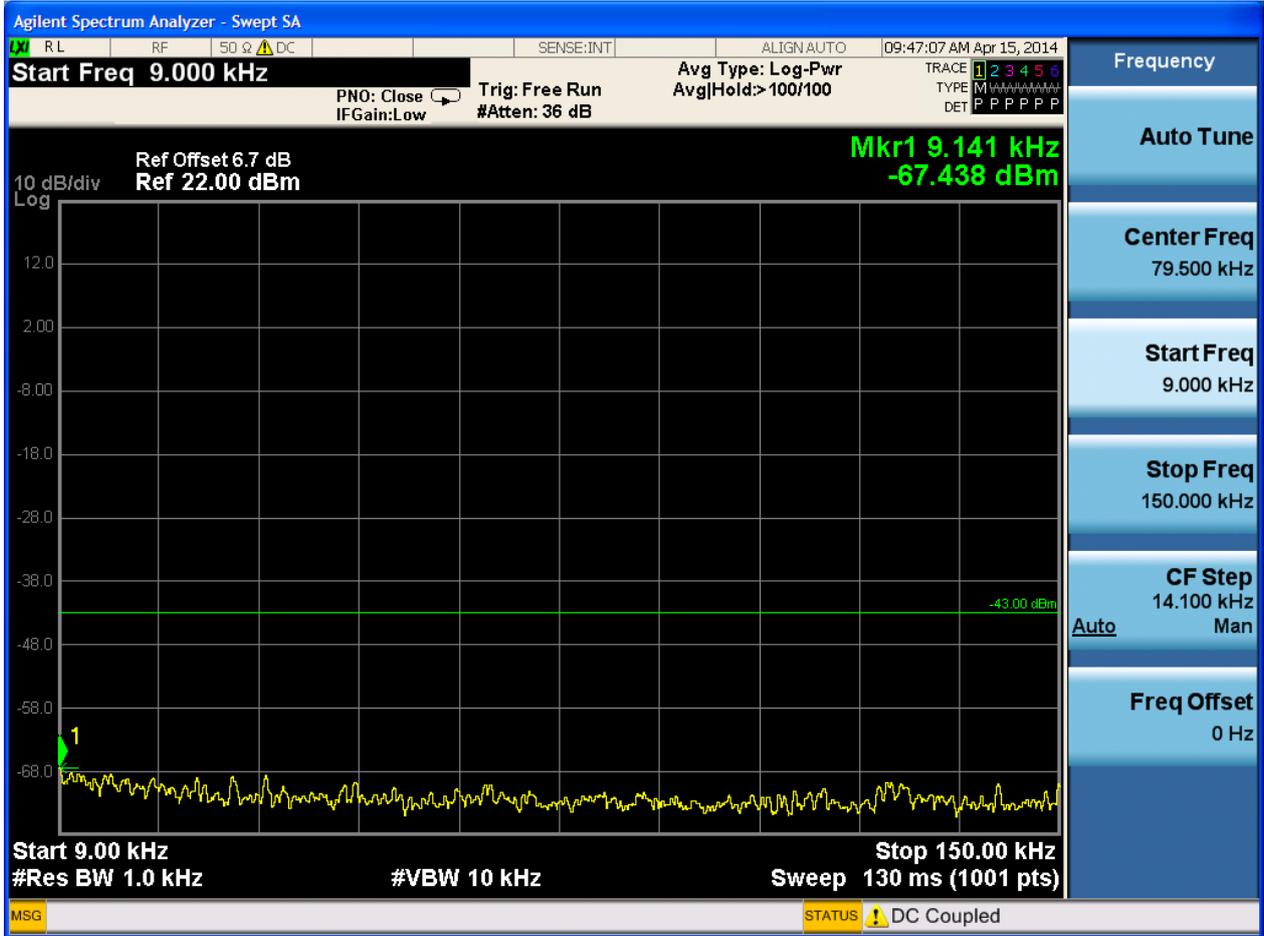
##### 5.1.3.1.1 Test Channel = LCH

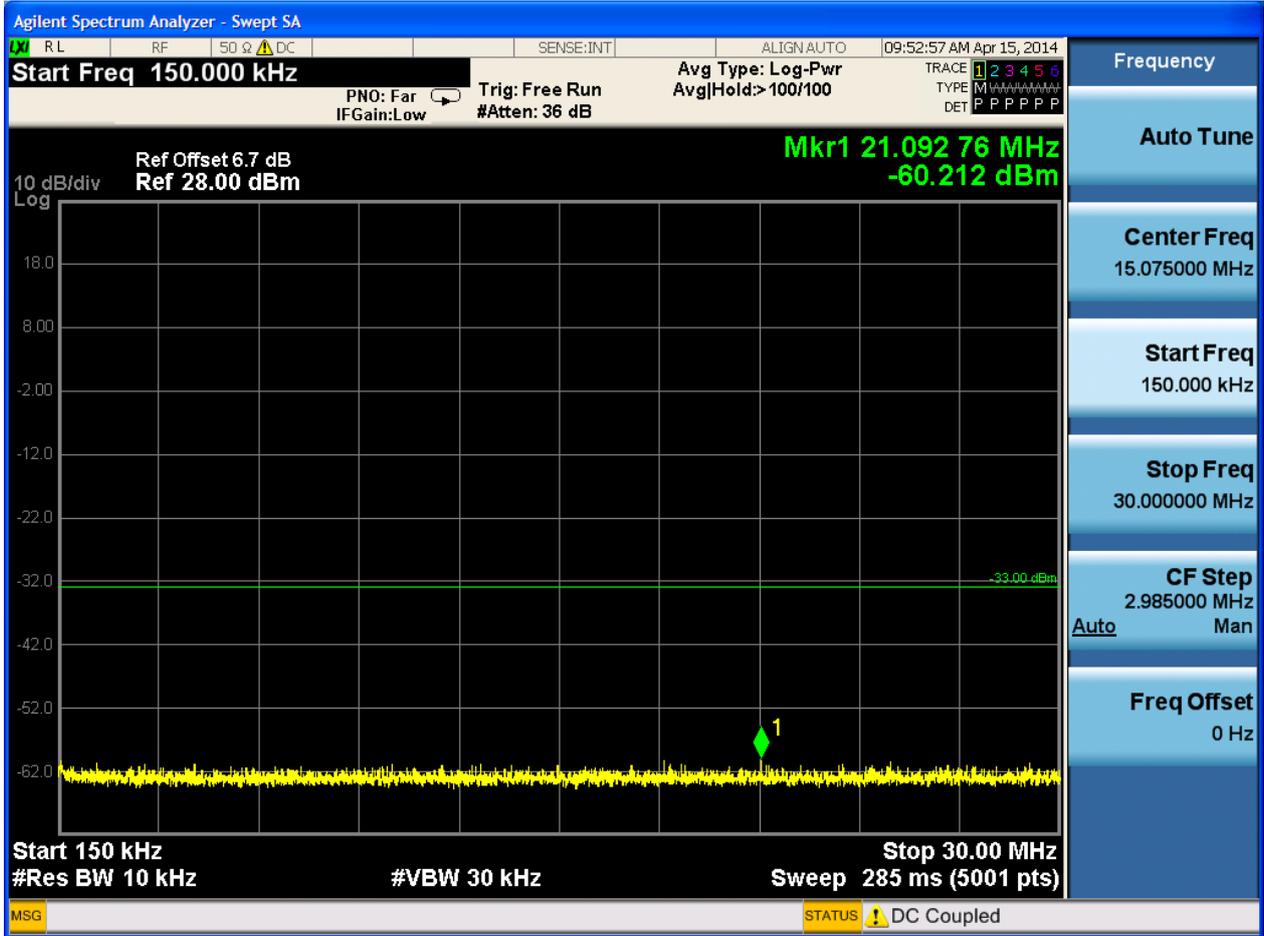






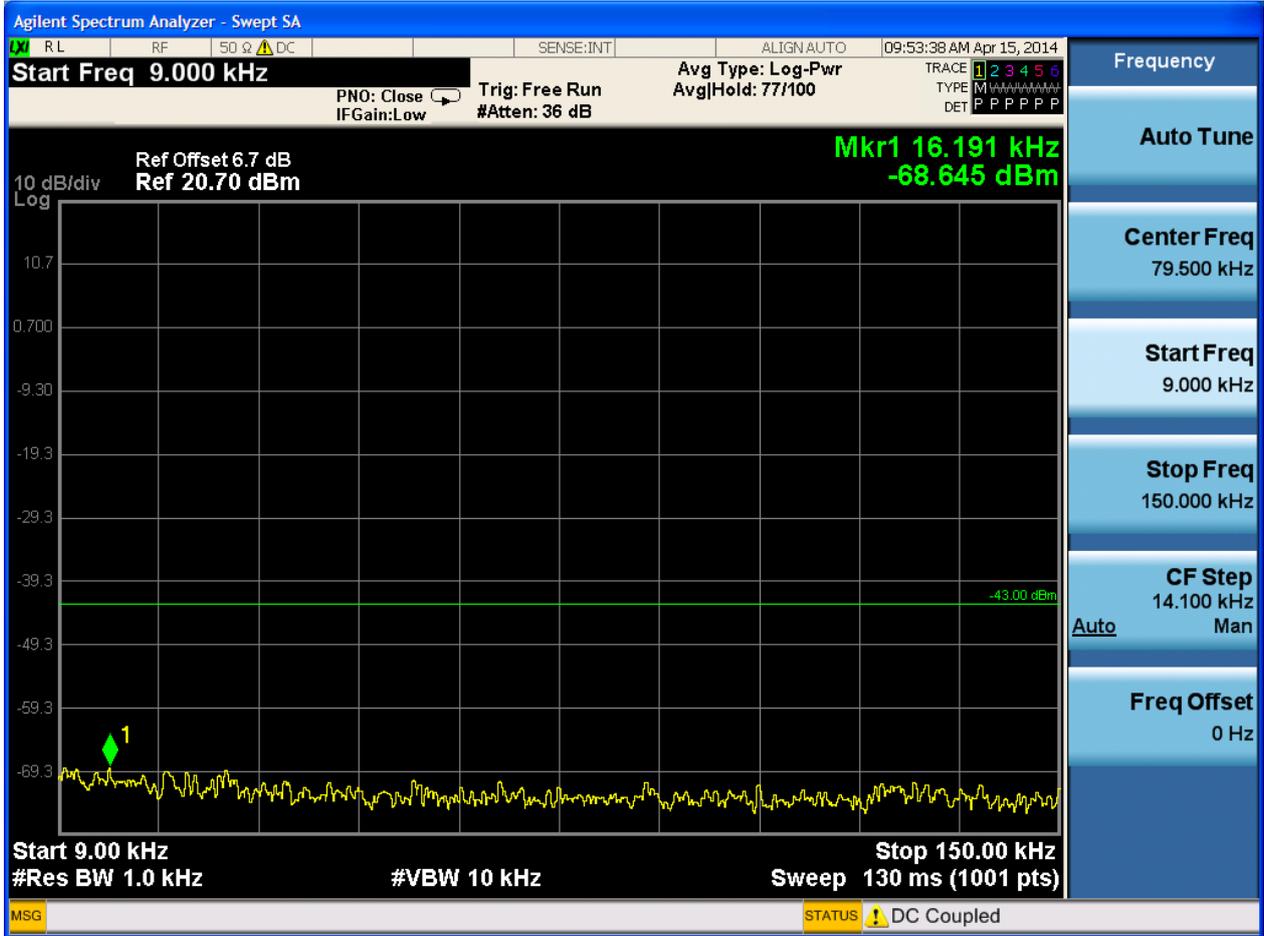
### 5.1.3.1.2 Test Channel = MCH

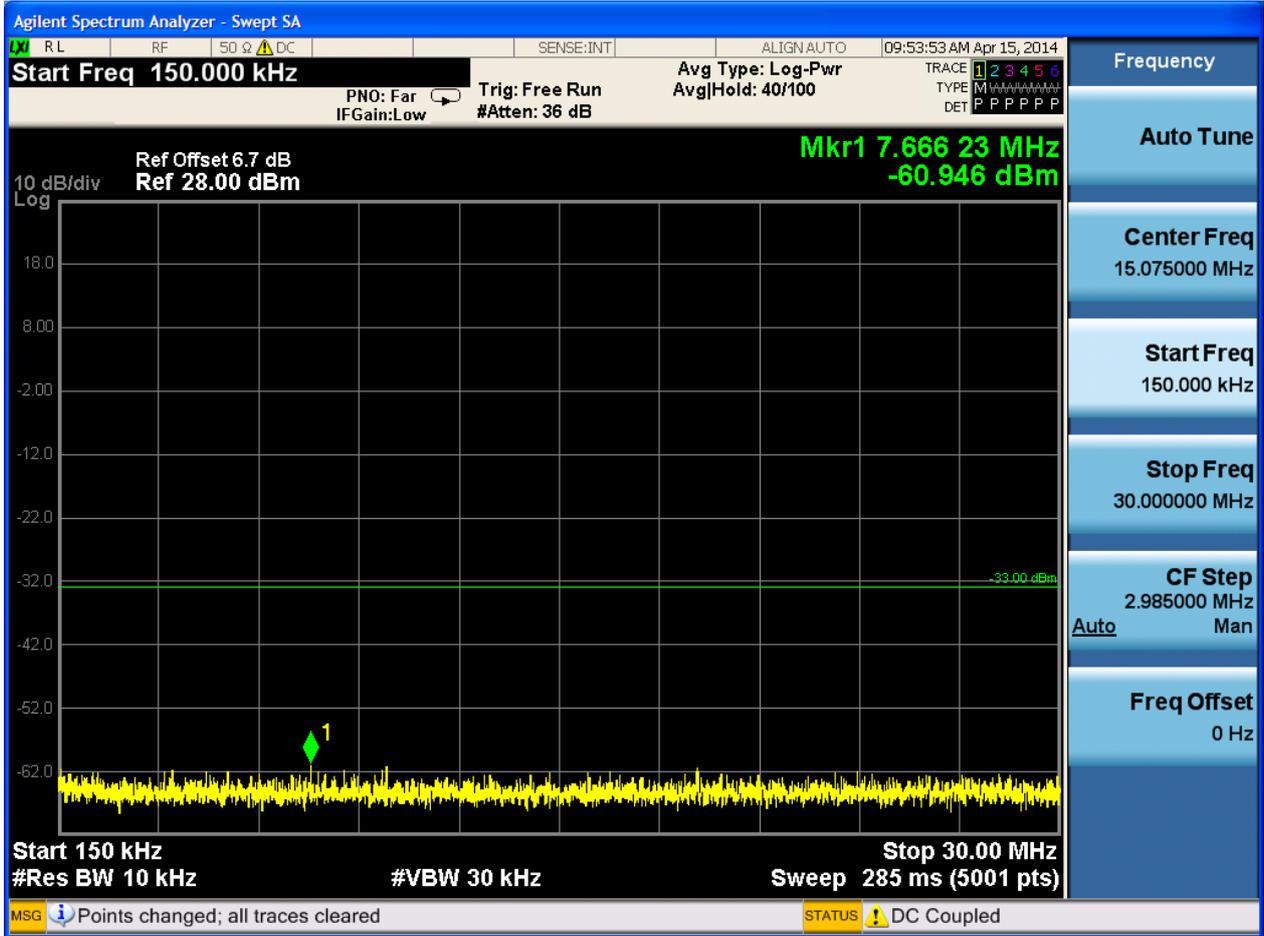






### 5.1.3.1.3 Test Channel =HCH

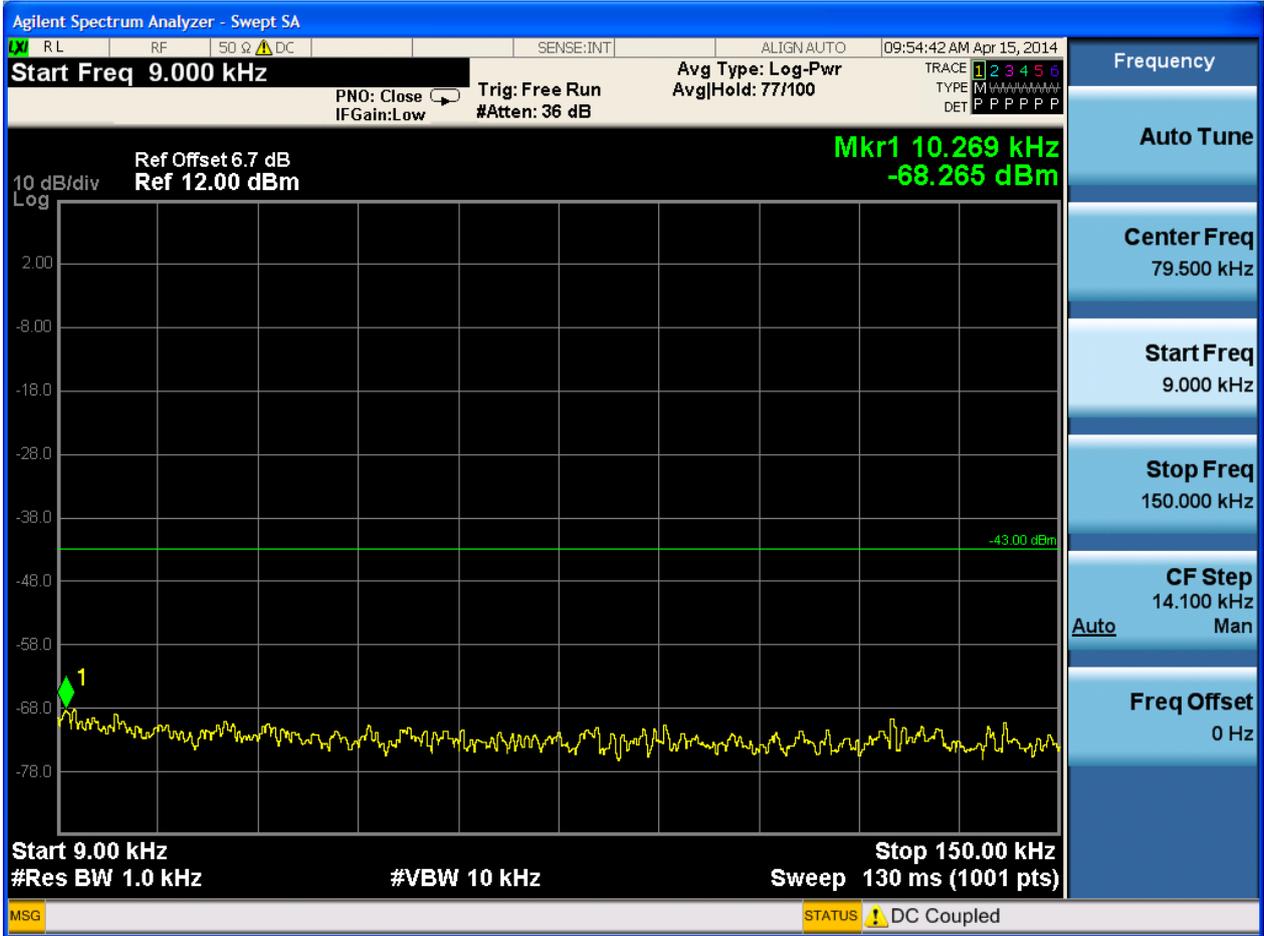


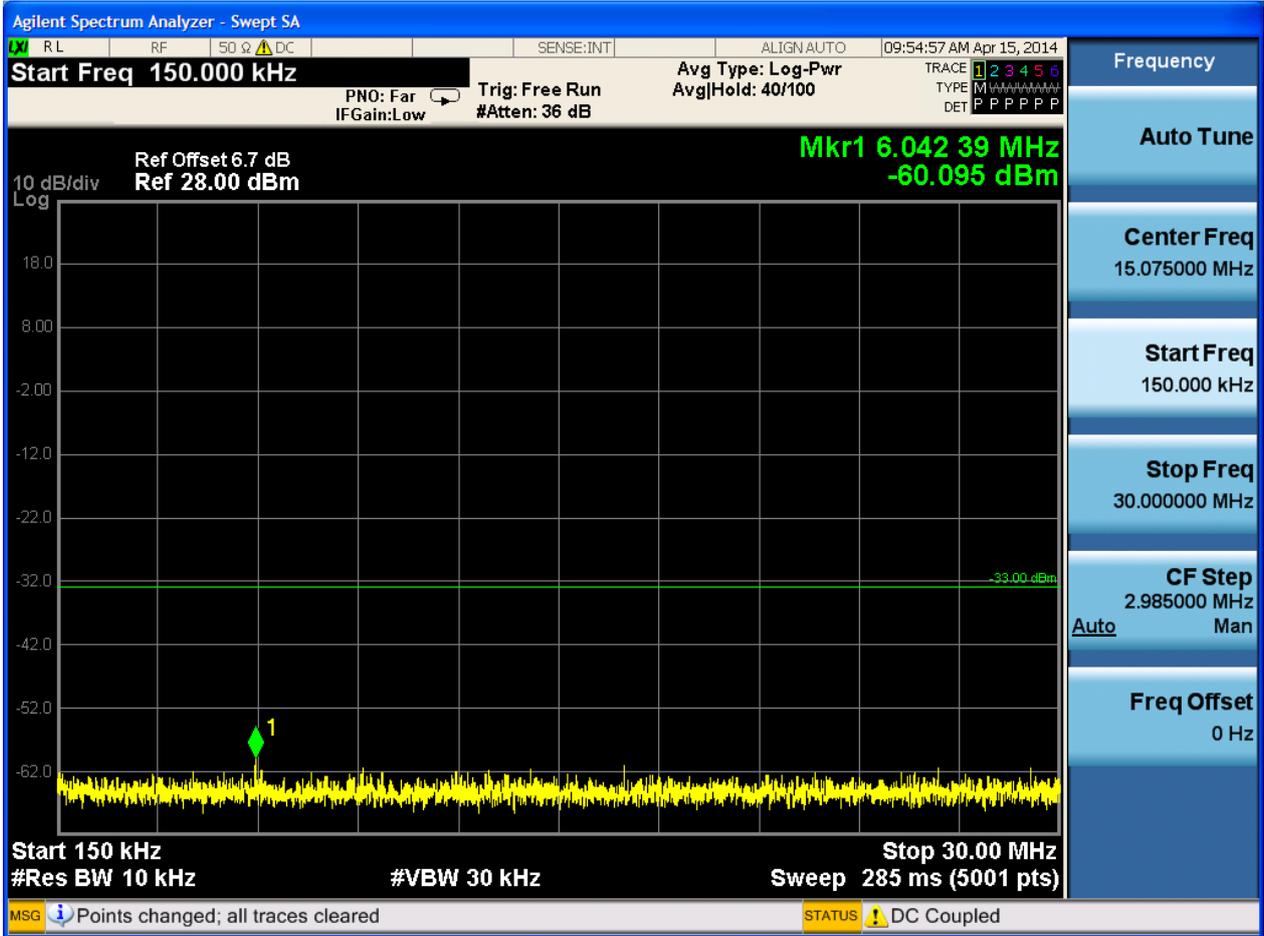


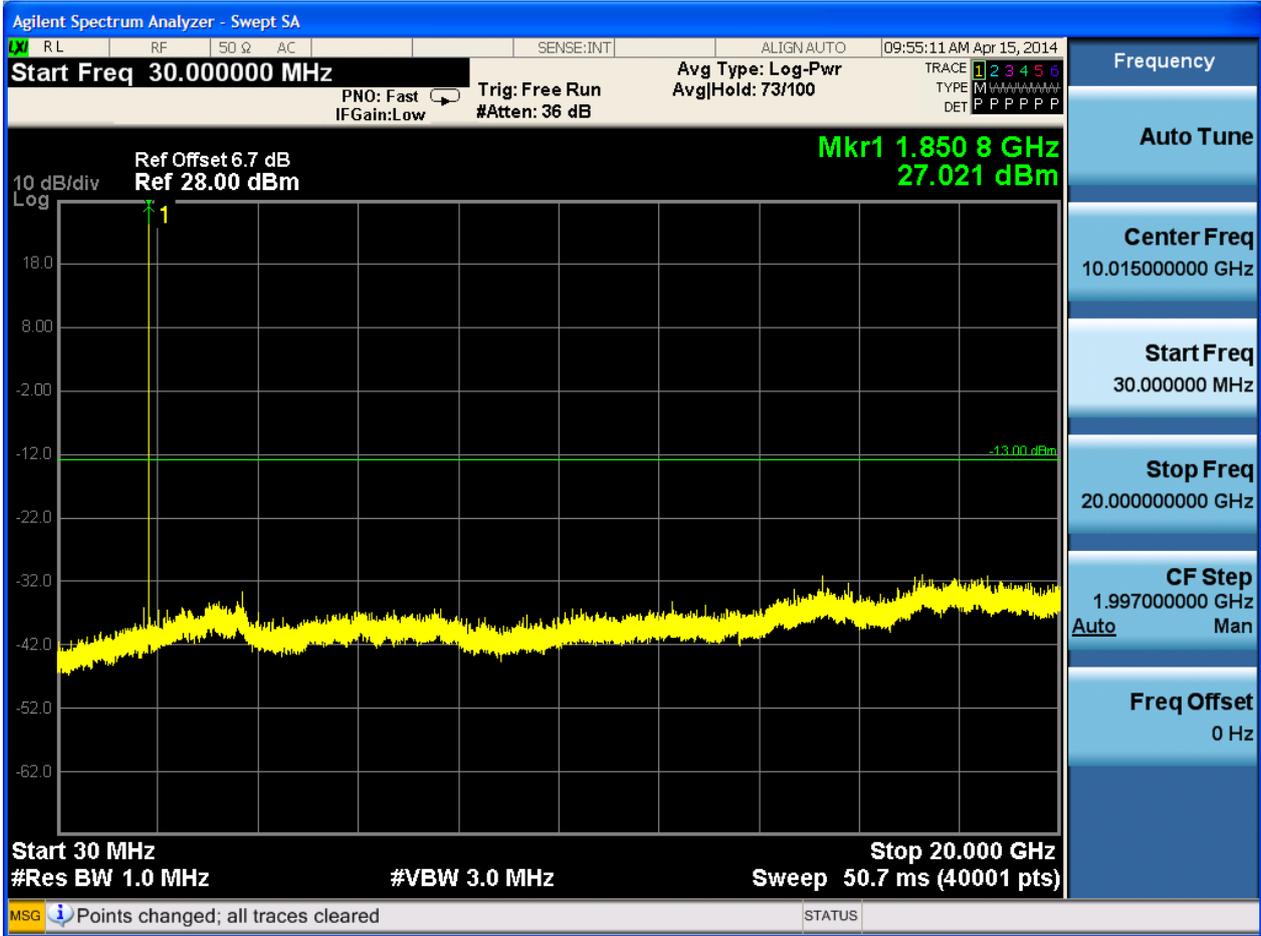


### 5.1.3.2 Test Mode = CDMA/1X/TM3

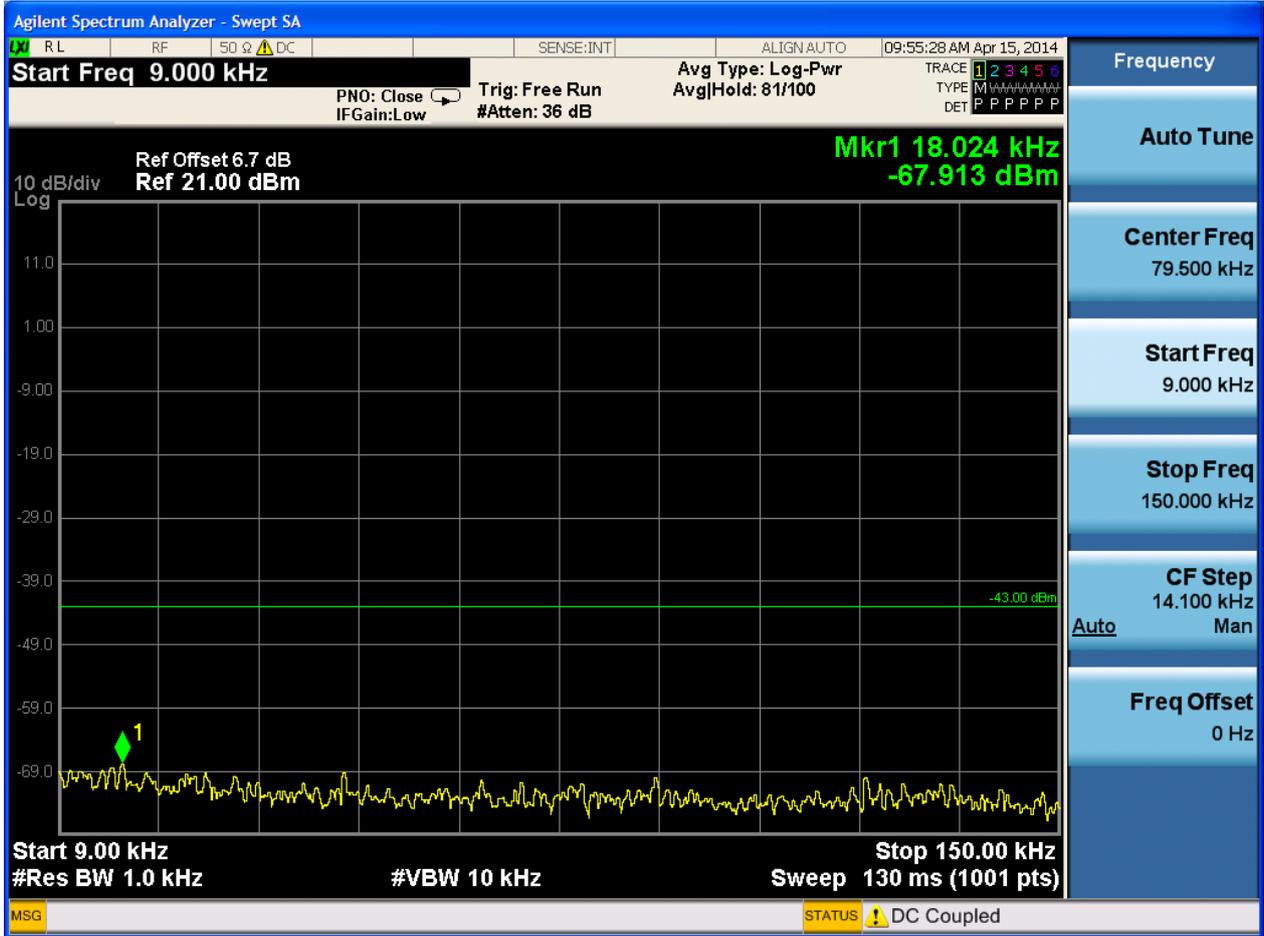
#### 5.1.3.1.2.1 Test Channel = LCH



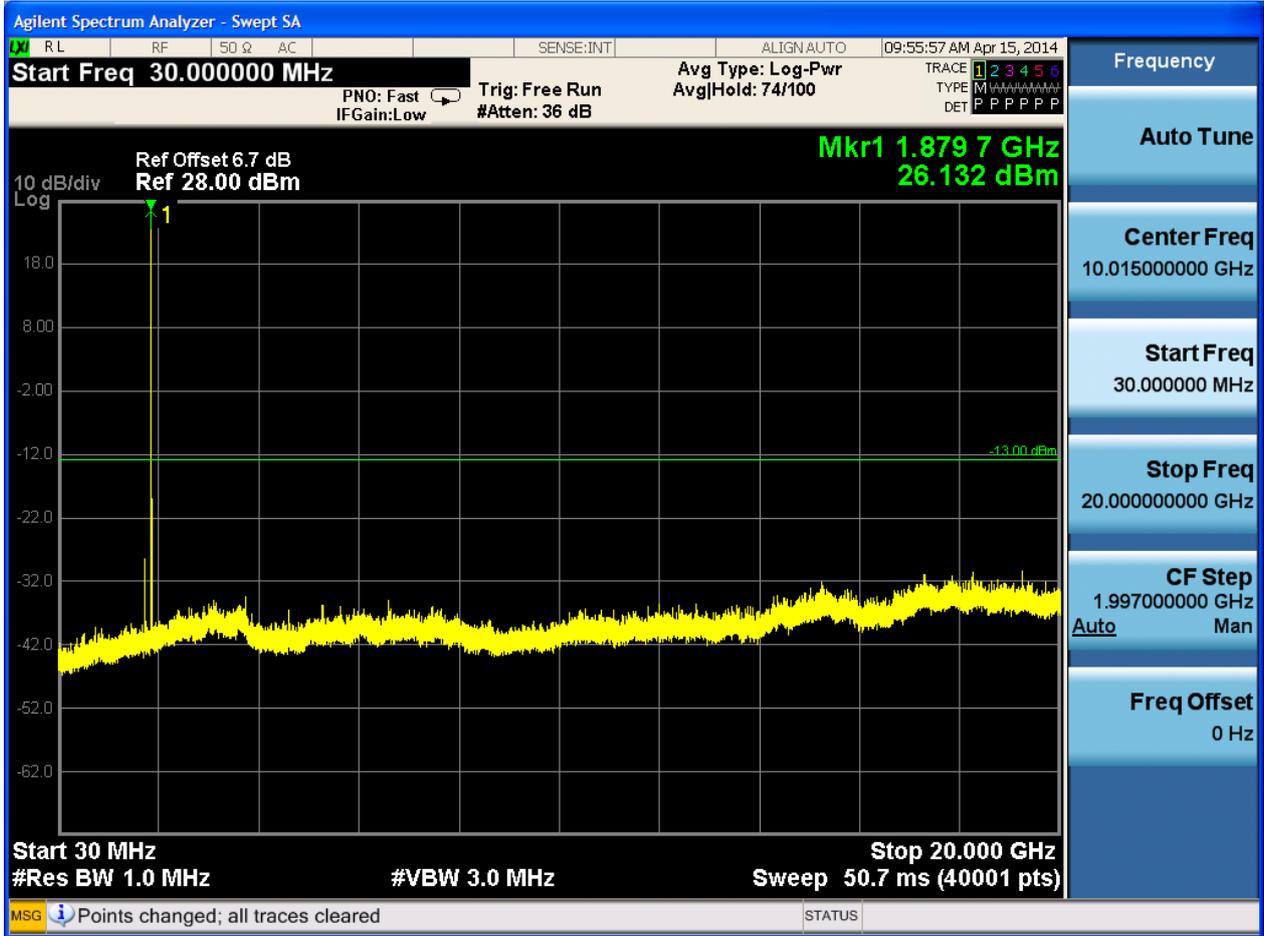




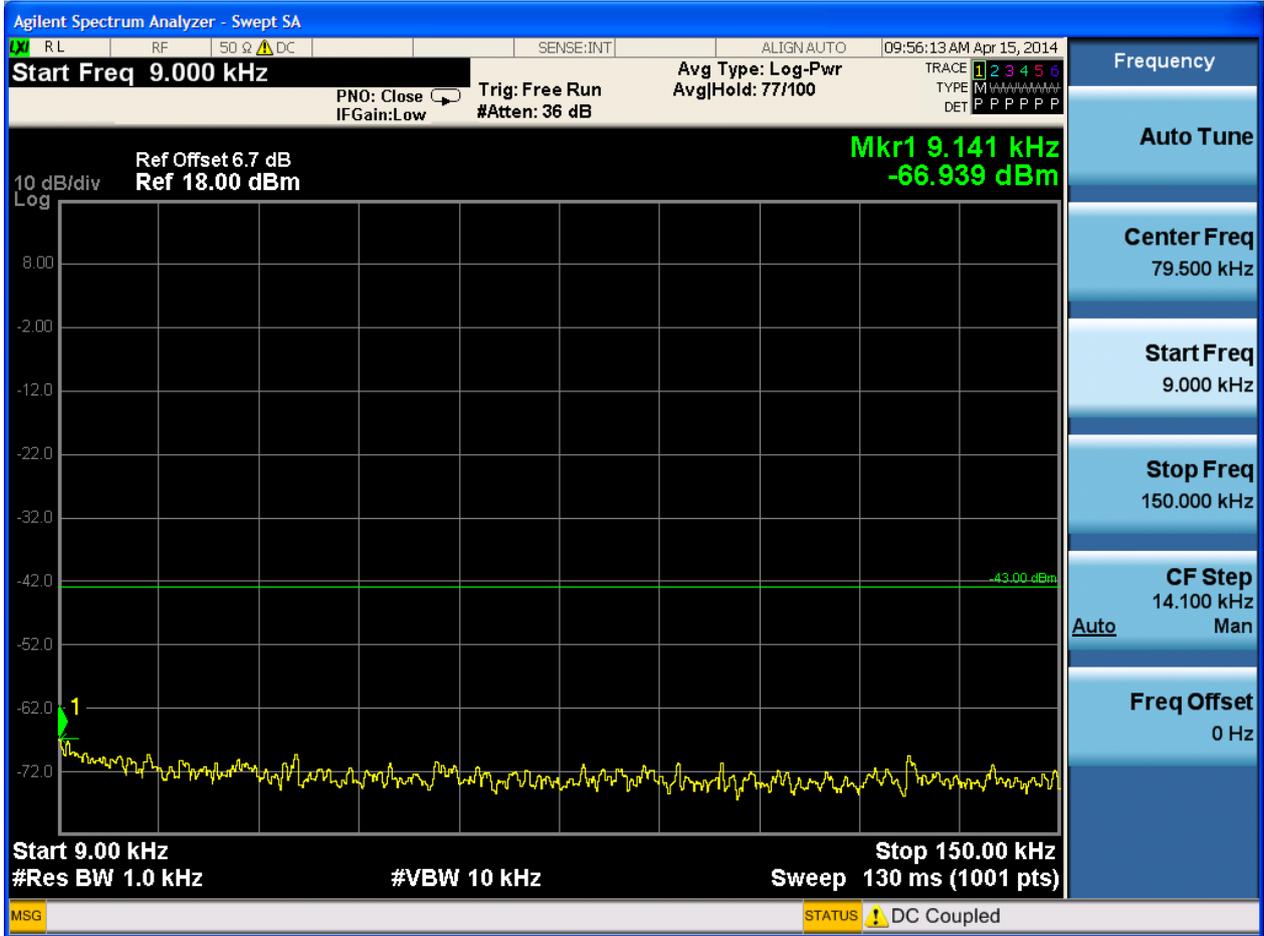
### 5.1.3.2.2 Test Channel = MCH

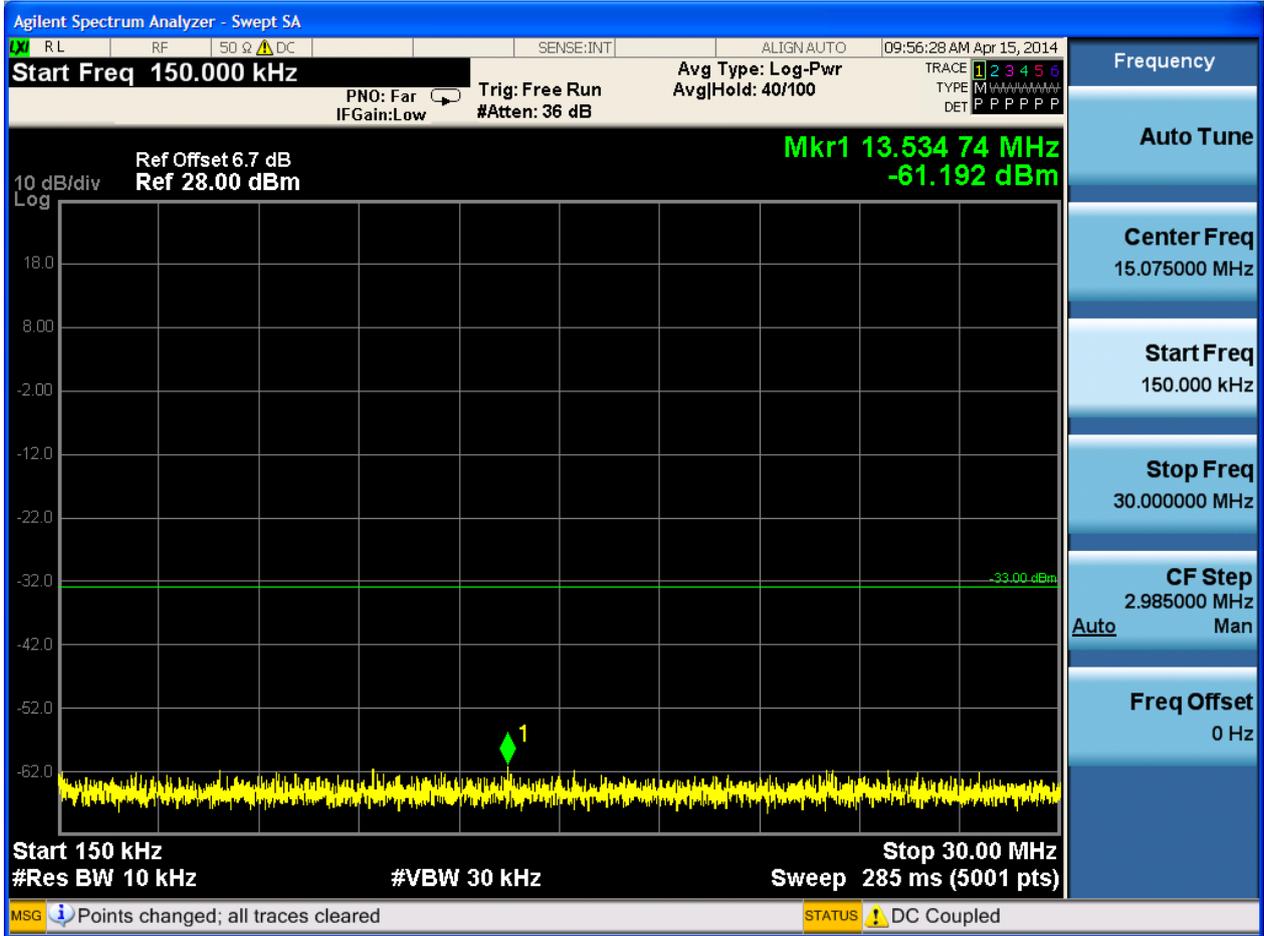






### 5.1.3.2.3 Test Channel =HCH







## 6Appendix\_G: Field Strength of Spurious Radiation

Note:

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

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

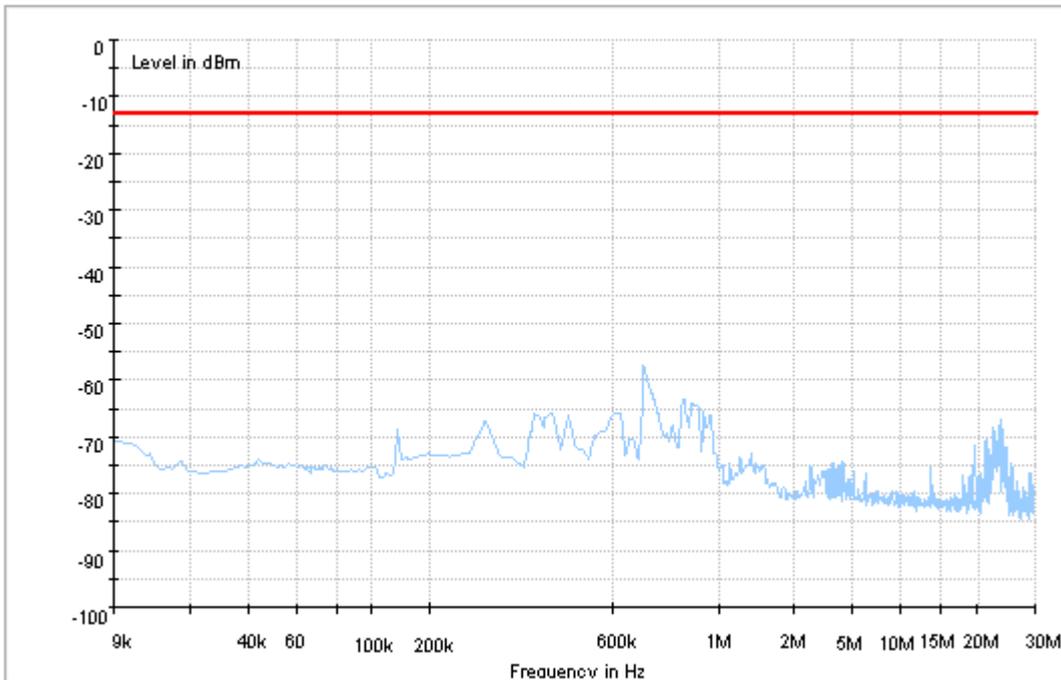
30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

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

### Part I - Test Plots

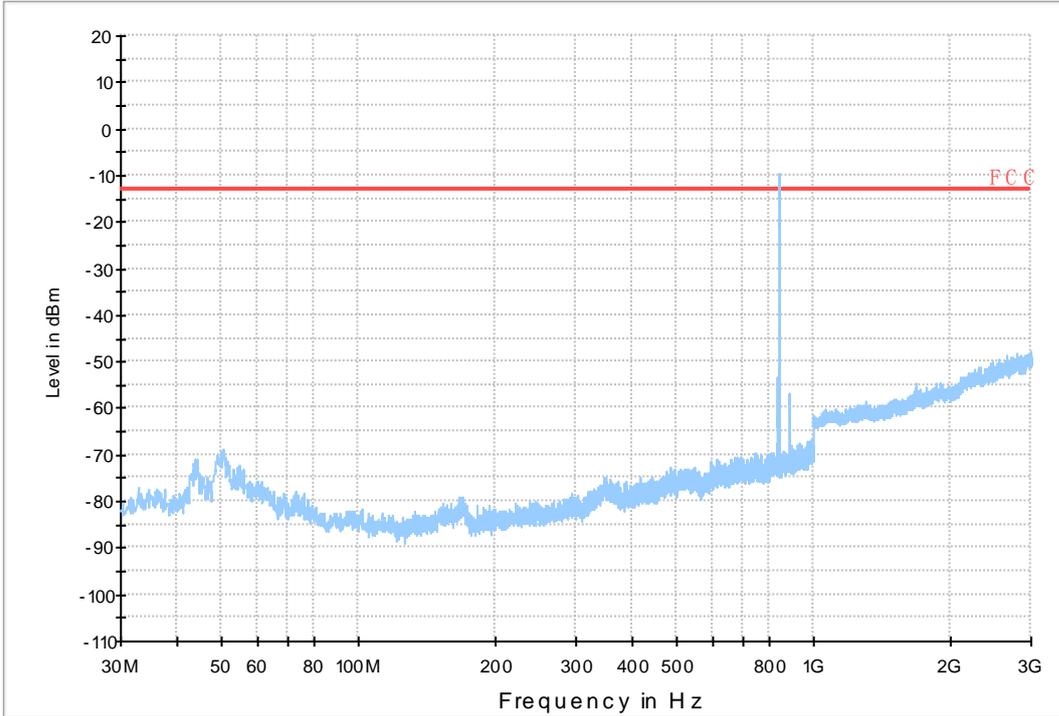
#### 6.1 For CDMA/1X

##### 6.1.1 Test Band = BC0

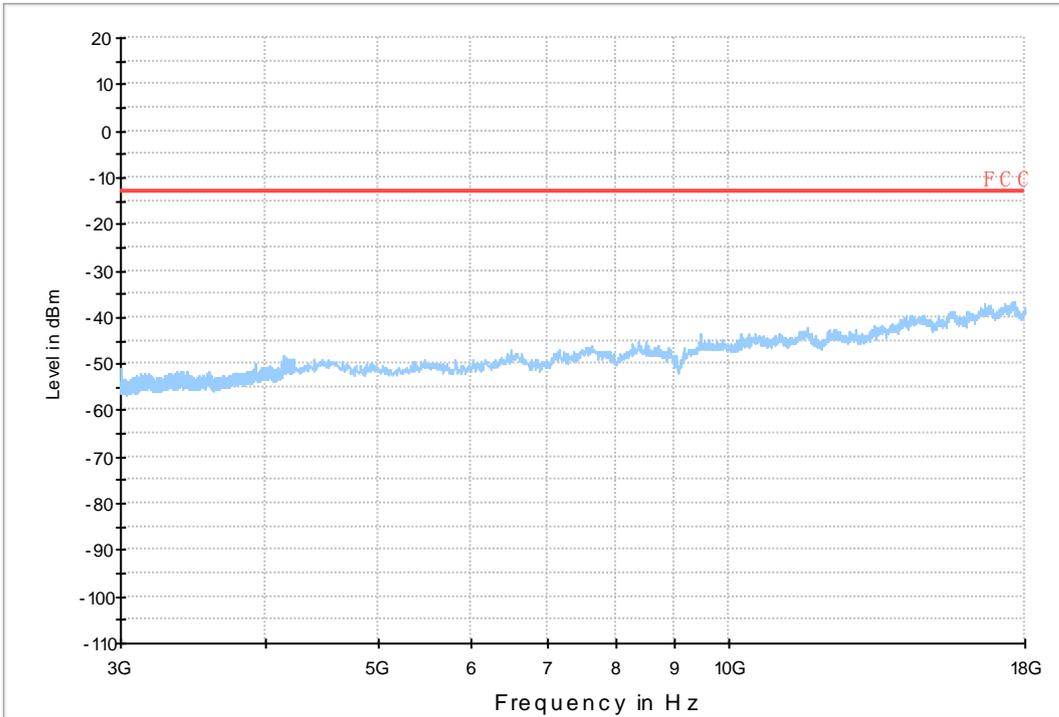




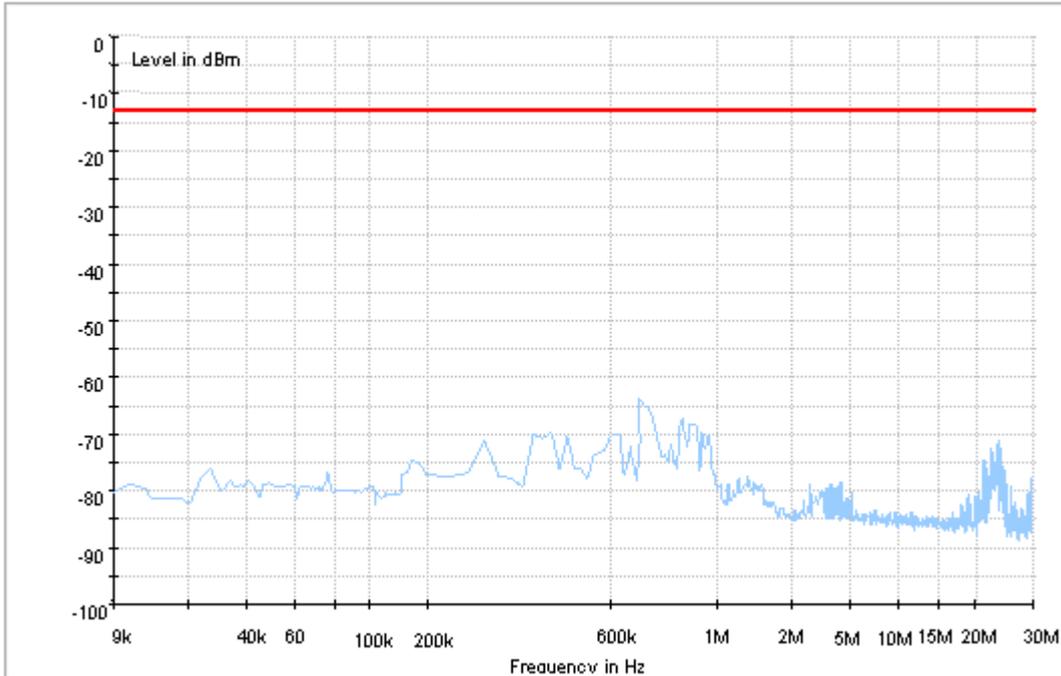
Copy of FCC PART22 CDMA800\_L



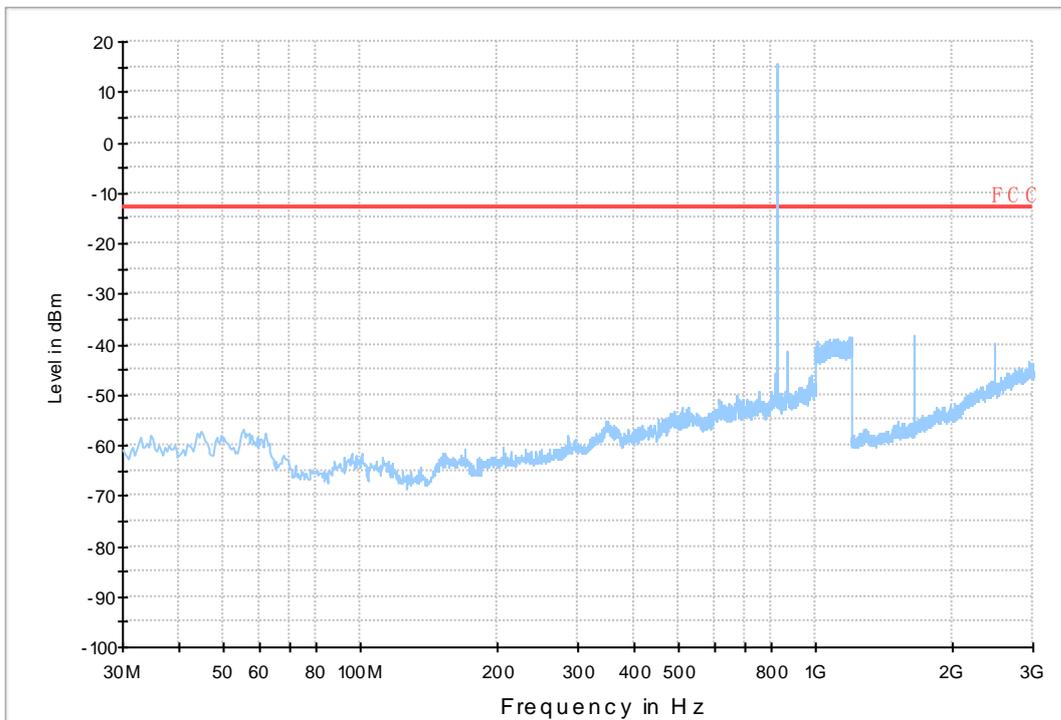
Copy of FCC PART22 CDMA800\_H



### 6.1.2 Test Band = BC10

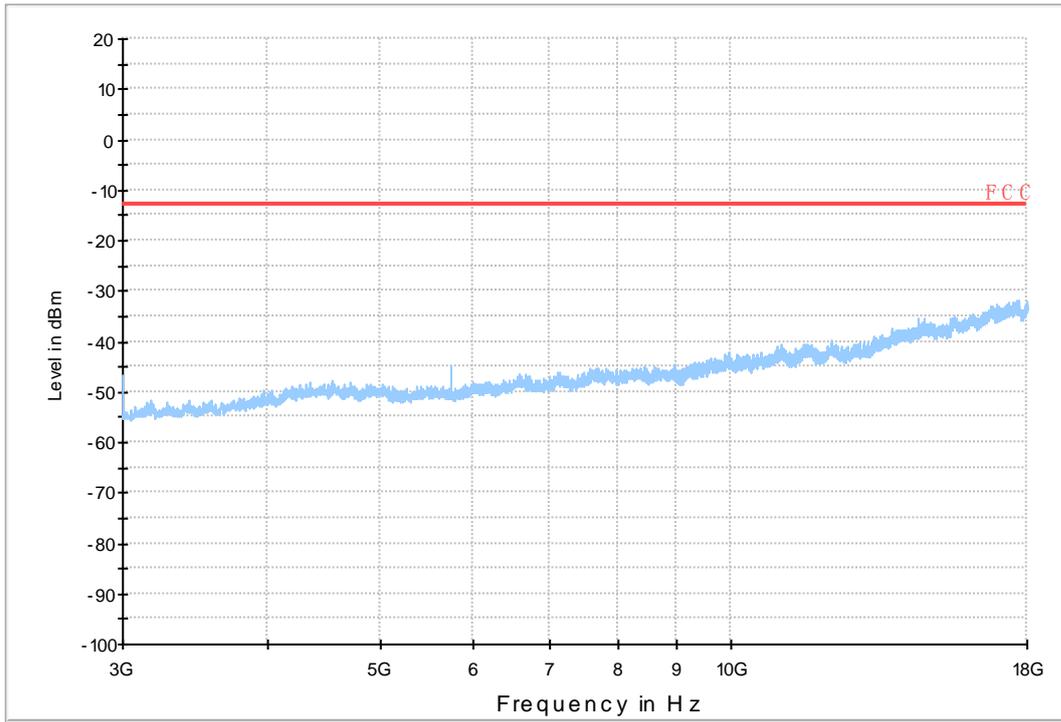


Copy of RSE-TX-DIRECTOR BELOW 1G\_L

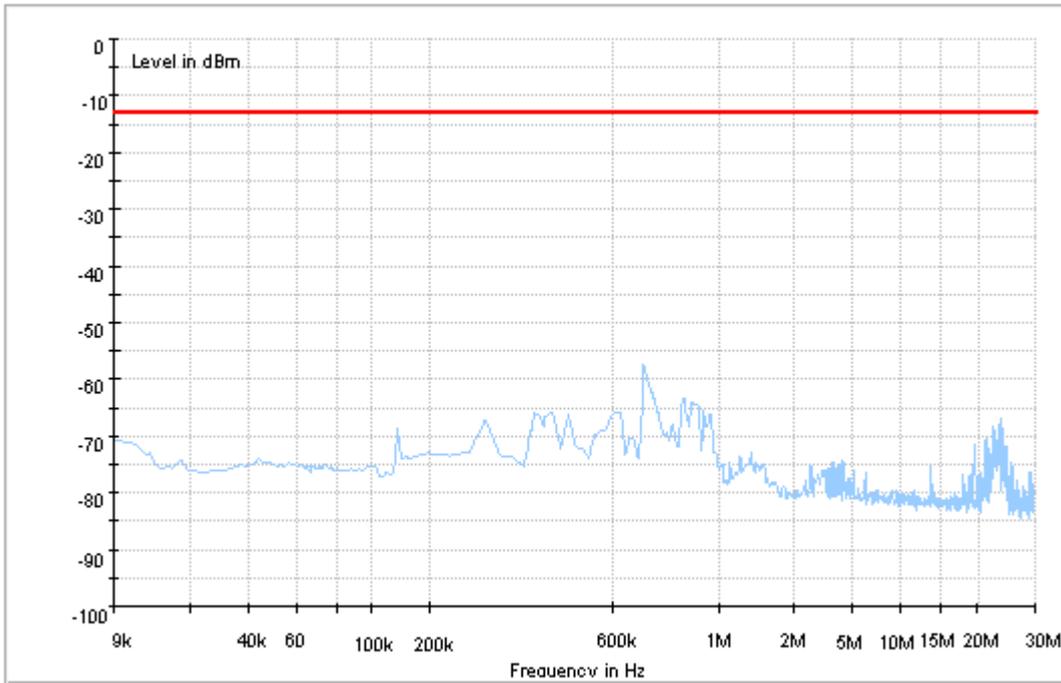




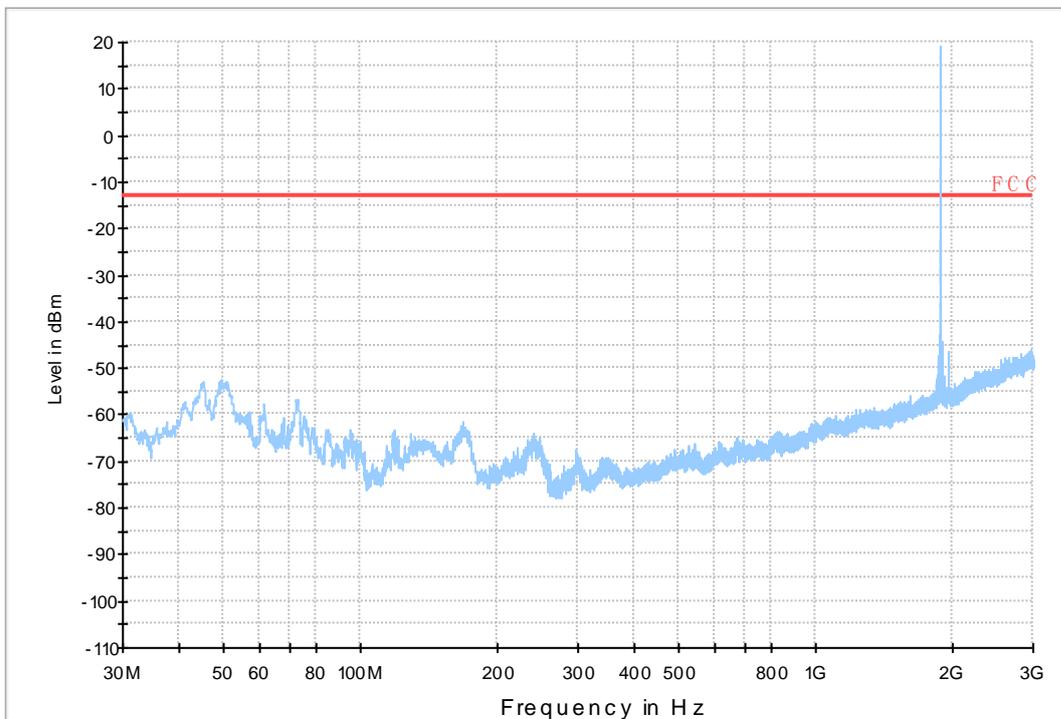
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



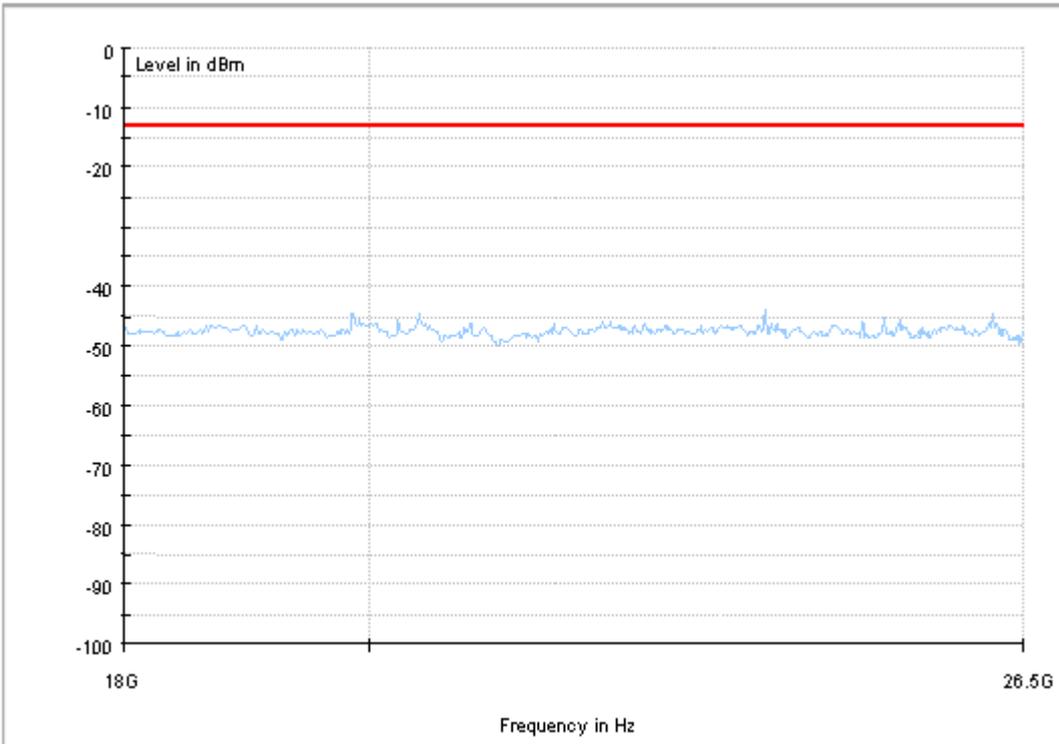
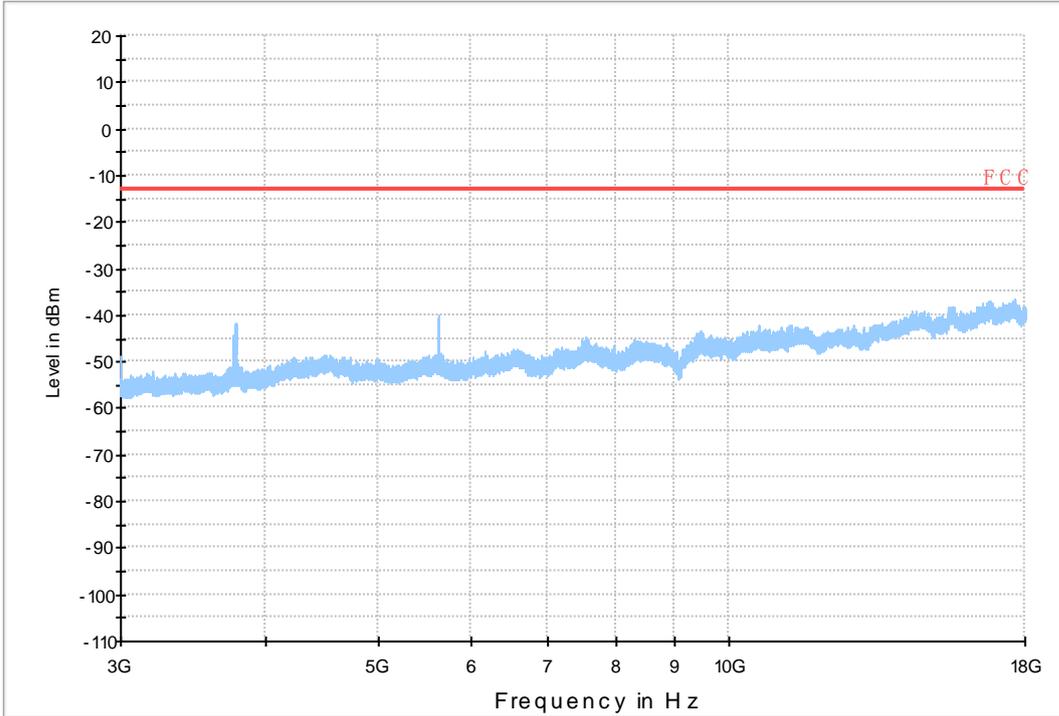
### 6.1.3 Test Band = BC1



Copy of FCC PART24 CDMA1900\_L



Copy of FCC PART24 CDMA1900\_H



## 7Appendix\_H: Frequency Stability

### 7.1 For CDMA1X

#### 7.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BC0	CDMA1X/TM1	LCH	TN	VL	0.5127	0.00062	PASS
				VN	0.7324	0.00089	PASS
				VH	0.0732	0.00009	PASS
		MCH	TN	VL	2.2705	0.00271	PASS
				VN	1.9775	0.00236	PASS
				VH	1.7578	0.0021	PASS
		HCH	TN	VL	-1.0254	-0.00121	PASS
				VN	-0.4395	-0.00052	PASS
				VH	-1.0986	-0.0013	PASS
	CDMA1X/TM3	LCH	TN	VL	-0.8789	-0.00107	PASS
				VN	-0.4395	-0.00053	PASS
				VH	-0.2930	-0.00036	PASS
		MCH	TN	VL	1.2451	0.00149	PASS
				VN	1.4648	0.00175	PASS
				VH	1.5381	0.00184	PASS
		HCH	TN	VL	-2.1973	-0.00259	PASS
				VN	-2.0508	-0.00242	PASS
				VH	-1.8311	-0.00216	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BC10	CDMA1X/TM1	LCH	TN	VL	2.7100	0.00331	PASS
				VN	3.2959	0.00403	PASS
				VH	3.0029	0.00367	PASS
		MCH	TN	VL	1.5381	0.00187	PASS
				VN	1.8311	0.00223	PASS
				VH	1.4648	0.00179	PASS
		HCH	TN	VL	1.1719	0.00142	PASS
				VN	0.9521	0.00116	PASS
				VH	1.1719	0.00142	PASS
	CDMA1X/TM3	LCH	TN	VL	1.6846	0.00206	PASS
				VN	1.8311	0.00224	PASS



Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
		MCH	TN	VH	1.9043	0.00233	PASS		
				VL	1.4648	0.00179	PASS		
				VN	0.8057	0.00098	PASS		
		HCH	TN	VL	-0.2197	-0.00027	PASS		
				VN	-0.2197	-0.00027	PASS		
				VH	0.1465	0.00018	PASS		
		BC1	CDMA/1X/TM1	LCH	TN	VL	4.2480	0.00229	PASS
						VN	5.6396	0.00305	PASS
						VH	4.3945	0.00237	PASS
MCH	TN			VL	-1.2451	-0.00066	PASS		
				VN	-1.2451	-0.00066	PASS		
				VH	-1.3916	-0.00074	PASS		
HCH	TN			VL	-7.1045	-0.00372	PASS		
				VN	-6.4453	-0.00338	PASS		
				VH	-6.7383	-0.00353	PASS		
CDMA/1X/TM3	LCH		TN	VL	3.2959	0.00178	PASS		
				VN	3.5156	0.0019	PASS		
				VH	3.6621	0.00198	PASS		
	MCH		TN	VL	-2.0508	-0.00109	PASS		
				VN	-1.7578	-0.00094	PASS		
				VH	-2.6367	-0.0014	PASS		
	HCH		TN	VL	-7.8369	-0.00411	PASS		
				VN	-7.2510	-0.0038	PASS		
				VH	-8.7158	-0.00457	PASS		

7.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BC0	CDMA/1X/TM1	LCH	VN	-30	0.3662	0.00044	PASS
				-20	0.6592	0.0008	PASS
				-10	0.8057	0.00098	PASS
				0	0.5127	0.00062	PASS
				10	0.5127	0.00062	PASS
				20	0.4395	0.00053	PASS
				30	0.4395	0.00053	PASS
				40	0.5127	0.00062	PASS
				50	1.6846	0.00201	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		MCH	VN	-30	2.4170	0.00289	PASS	
				-20	1.9775	0.00236	PASS	
				-10	1.9775	0.00236	PASS	
				0	1.9775	0.00236	PASS	
				10	2.1973	0.00263	PASS	
				20	1.6846	0.00201	PASS	
				30	1.9775	0.00236	PASS	
				40	2.1973	0.00263	PASS	
				50	1.6846	0.00201	PASS	
				HCH	VN	-30	-0.7324	-0.00086
		-20	-0.7324			-0.00086	PASS	
		-10	-0.8057			-0.00095	PASS	
		0	-0.8057			-0.00095	PASS	
		10	-0.8789			-0.00104	PASS	
		20	-0.8789			-0.00104	PASS	
		30	-1.0254			-0.00121	PASS	
		40	-0.7324			-0.00086	PASS	
		50	-0.9521			-0.00112	PASS	
		CDMA/1X/TM3	LCH			VN	-30	-0.8057
				-20	-0.5859		-0.00071	PASS
	-10			-0.8057	-0.00098		PASS	
	0			-0.1465	-0.00018		PASS	
	10			-0.5859	-0.00071		PASS	
	20			-0.6592	-0.0008		PASS	
	30			-0.2930	-0.00036		PASS	
	40			-0.2930	-0.00036		PASS	
	50			-0.2197	-0.00027		PASS	
	MCH			VN	-30		1.3184	0.00158
			-20		1.0986	0.00131	PASS	
			-10		1.0986	0.00131	PASS	
			0		1.1719	0.0014	PASS	
			10		1.3184	0.00158	PASS	
			20		1.2451	0.00149	PASS	
			30		1.3916	0.00166	PASS	
			40		1.2451	0.00149	PASS	
			50		1.3916	0.00166	PASS	
			HCH		VN	-30	-1.9043	-0.00224
	-20			-1.6846		-0.00199	PASS	
	-10	-2.0508		-0.00242		PASS		
	0	-1.9775		-0.00233		PASS		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				10	-1.6846	-0.00199	PASS
				20	-1.9775	-0.00233	PASS
				30	-1.9043	-0.00224	PASS
				40	-1.9775	-0.00233	PASS
				50	-2.0508	-0.00242	PASS

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	2.8564	0.00349	PASS
				-20	2.9297	0.00358	PASS
				-10	3.0762	0.00376	PASS
				0	2.9297	0.00358	PASS
				10	3.0029	0.00367	PASS
				20	2.9297	0.00358	PASS
				30	2.7100	0.00331	PASS
				40	2.8564	0.00349	PASS
		50	2.8564	0.00349	PASS		
		MCH	VN	-30	1.5381	0.00187	PASS
				-20	1.3916	0.0017	PASS
				-10	1.4648	0.00179	PASS
				0	1.0986	0.00134	PASS
				10	1.3184	0.00161	PASS
				20	1.6113	0.00196	PASS
				30	1.0254	0.00125	PASS
				40	1.0986	0.00134	PASS
		50	1.0254	0.00125	PASS		
		HCH	VN	-30	1.1719	0.00142	PASS
				-20	0.7324	0.00089	PASS
				-10	0.7324	0.00089	PASS
				0	1.0254	0.00125	PASS
				10	0.8057	0.00098	PASS
				20	0.4395	0.00053	PASS
	30			0.9521	0.00116	PASS	
	40			0.7324	0.00089	PASS	
	50	1.3184	0.0016	PASS			
	CDMA/1X/TM3	LCH	VN	-30	1.4648	0.00179	PASS
				-20	1.7578	0.00215	PASS
				-10	1.8311	0.00224	PASS
				0	1.8311	0.00224	PASS
				10	1.9775	0.00242	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
				20	1.8311	0.00224	PASS						
				30	2.0508	0.00251	PASS						
				40	2.1240	0.0026	PASS						
				50	2.2705	0.00278	PASS						
		MCH	VN			-30	0.2930	0.00036	PASS				
						-20	0.5859	0.00071	PASS				
						-10	0.7324	0.00089	PASS				
						0	0.9521	0.00116	PASS				
						10	0.7324	0.00089	PASS				
						20	0.8789	0.00107	PASS				
						30	0.7324	0.00089	PASS				
						40	0.7324	0.00089	PASS				
						50	0.4395	0.00054	PASS				
						HCH	VN			-30	0.2197	0.00027	PASS
										-20	0.2930	0.00036	PASS
										-10	0.3662	0.00044	PASS
		0	0.1465	0.00018	PASS								
		10	-0.0732	-0.00009	PASS								
		20	0.3662	0.00044	PASS								
		30	0.2930	0.00036	PASS								
		40	0.2197	0.00027	PASS								
		50	0.2197	0.00027	PASS								
		BC1	CDMA/1X/TM1	LCH	VN	-30	4.5410	0.00245	PASS				
						-20	4.4678	0.00241	PASS				
-10	4.1016					0.00222	PASS						
0	4.3213					0.00233	PASS						
10	4.4678					0.00241	PASS						
20	4.1748					0.00226	PASS						
30	4.5410					0.00245	PASS						
40	4.6143					0.00249	PASS						
50	4.3945					0.00237	PASS						
MCH	VN							-30	-0.8057	-0.00043	PASS		
				-20	-0.4395			-0.00023	PASS				
				-10	-1.0254			-0.00055	PASS				
				0	-0.9521			-0.00051	PASS				
				10	-0.1465			-0.00008	PASS				
				20	-1.2451			-0.00066	PASS				
				30	-1.1719			-0.00062	PASS				
				40	-1.1719			-0.00062	PASS				
				50	-0.7324			-0.00039	PASS				



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		HCH	VN	-30	-6.3721	-0.00334	PASS
				-20	-7.0313	-0.00368	PASS
				-10	-6.2256	-0.00326	PASS
				0	-6.3721	-0.00334	PASS
				10	-6.2256	-0.00326	PASS
				20	-6.5186	-0.00342	PASS
				30	-5.9326	-0.00311	PASS
				40	-6.5186	-0.00342	PASS
				50	-5.8594	-0.00307	PASS
	CDMA/1X/TM3	LCH	VN	-30	2.7832	0.0015	PASS
				-20	2.6367	0.00142	PASS
				-10	3.5156	0.0019	PASS
				0	3.6621	0.00198	PASS
				10	3.4424	0.00186	PASS
				20	3.8086	0.00206	PASS
				30	3.5889	0.00194	PASS
				40	4.1016	0.00222	PASS
				50	3.9551	0.00214	PASS
		MCH	VN	-30	-2.4170	-0.00129	PASS
				-20	-1.2451	-0.00066	PASS
				-10	-2.4902	-0.00132	PASS
				0	-2.1240	-0.00113	PASS
				10	-2.1973	-0.00117	PASS
				20	-1.9043	-0.00101	PASS
				30	-2.3438	-0.00125	PASS
				40	-2.4902	-0.00132	PASS
				50	-1.6846	-0.0009	PASS
		HCH	VN	-30	-7.1045	-0.00372	PASS
				-20	-7.7637	-0.00407	PASS
				-10	-8.3496	-0.00437	PASS
				0	-7.7637	-0.00407	PASS
				10	-7.5439	-0.00395	PASS
				20	-8.6426	-0.00453	PASS
				30	-7.6904	-0.00403	PASS
				40	-7.9834	-0.00418	PASS
				50	-6.9580	-0.00365	PASS

END