



# Appendix for test report

## 1 Appendix\_A: Effective (Isotropic) Radiated Power Output Data

### Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
GSM850	GSM/TM1	LCH	32.16	27.74	38.5	PASS
		MCH	32.32	27.9	38.5	PASS
		HCH	32.47	28.05	38.5	PASS
	GSM/TM2	LCH	26.6	22.18	38.5	PASS
		MCH	26.72	22.3	38.5	PASS
		HCH	26.68	22.26	38.5	PASS
GSM1900	GSM/TM1	LCH	29.47	27.2	33	PASS
		MCH	29.55	27.28	33	PASS
		HCH	29.93	27.66	33	PASS
	GSM/TM2	LCH	25.8	23.53	33	PASS
		MCH	25.72	23.45	33	PASS
		HCH	25.7	23.43	33	PASS



Test Band	Test Mode	Test Channel	Conducted Power [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
WCDMA1900	UMTS/TM1	LCH	23.75	21.48	33	PASS
		MCH	23.98	21.71	33	PASS
		HCH	24.01	21.74	33	PASS
WCDMA1700	UMTS/TM1	LCH	23.71	20.59	30	PASS
		MCH	23.8	20.68	30	PASS
		HCH	23.72	20.6	30	PASS
WCDMA850	UMTS/TM1	LCH	23.95	19.53	38.5	PASS
		MCH	24.19	19.77	38.5	PASS
		HCH	23.97	19.55	38.5	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
GSM1900	GSM/TM1	LCH	0.13	13	PASS
		MCH	0.15	13	PASS
		HCH	0.15	13	PASS
	GSM/TM2	LCH	2.98	13	PASS
		MCH	3.11	13	PASS
		HCH	2.93	13	PASS
Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA1700	UMTS/TM1	LCH	2.54	13	PASS
		MCH	2.56	13	PASS
		HCH	2.79	13	PASS
WCDMA1900	UMTS/TM1	LCH	2.14	13	PASS
		MCH	2.4	13	PASS
		HCH	2.44	13	PASS

### 3Appendix\_C: Modulation Characteristics

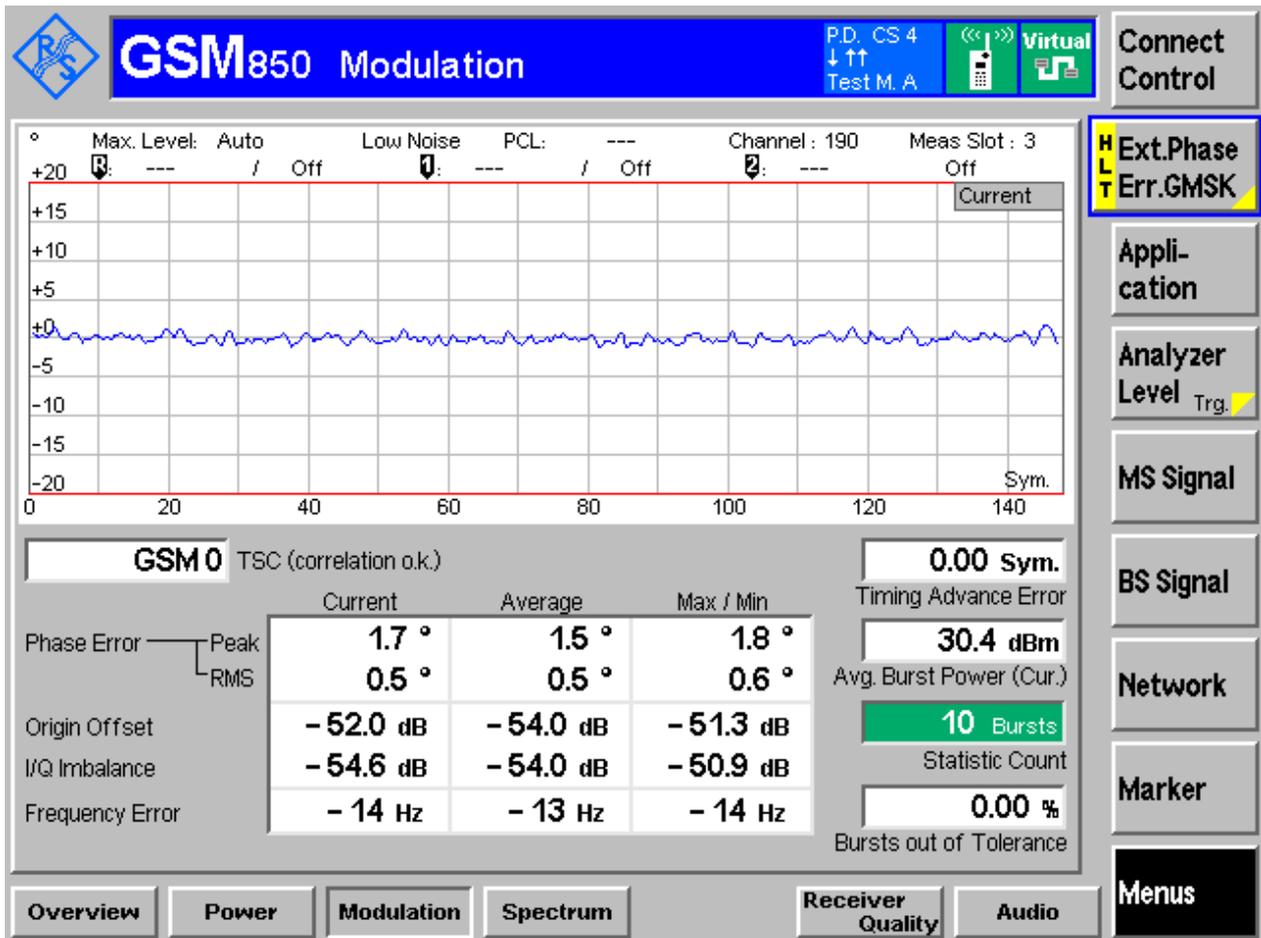
#### Part I - Test Plots

#### 3.1 For GSM

#### 3.1.1 Test Band = GSM850

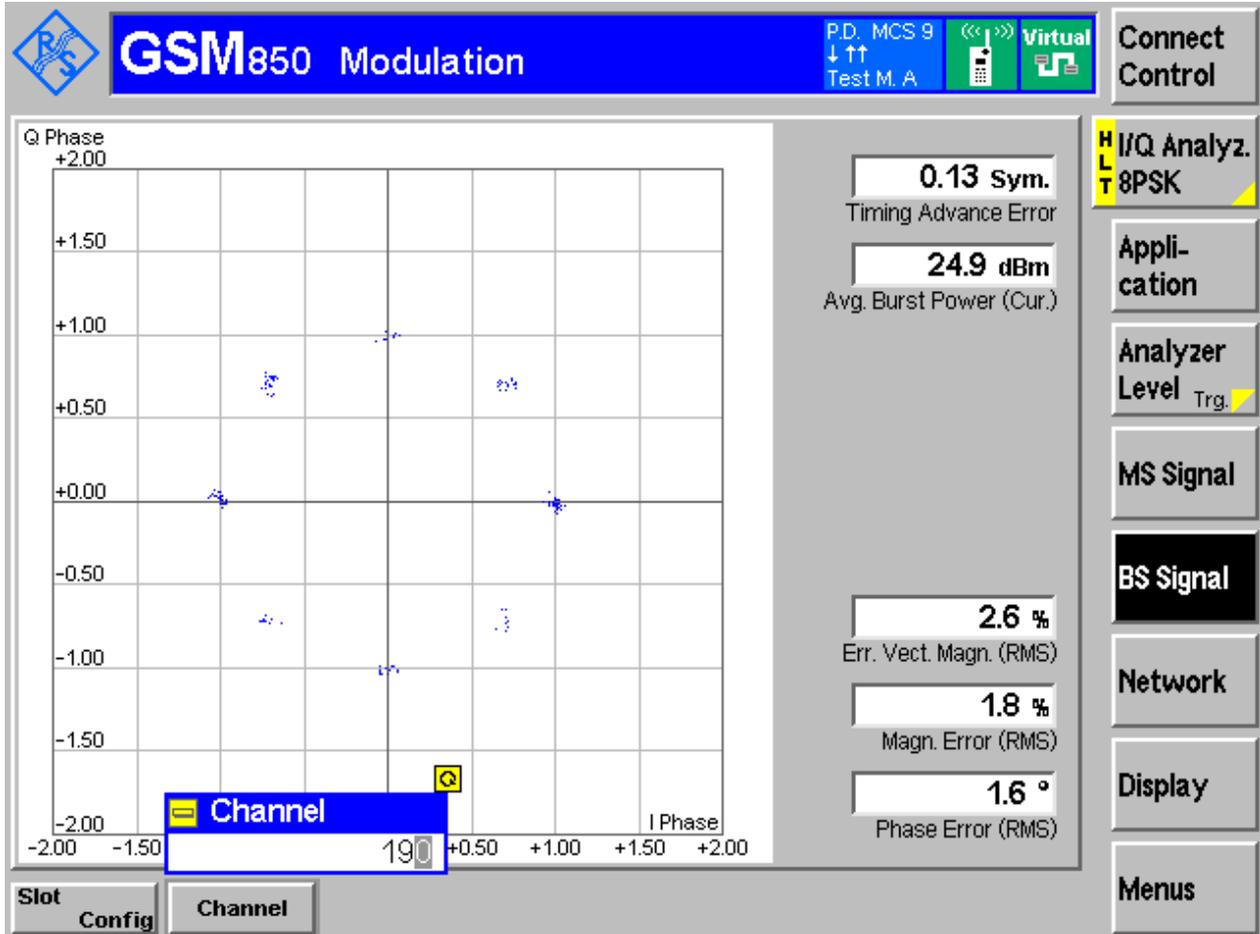
#### 3.1.1.1 Test Mode = GSM/TM1

#### 3.1.1.1.1 Test Channel = MCH



### 3.1.1.2 Test Mode = GSM/TM2

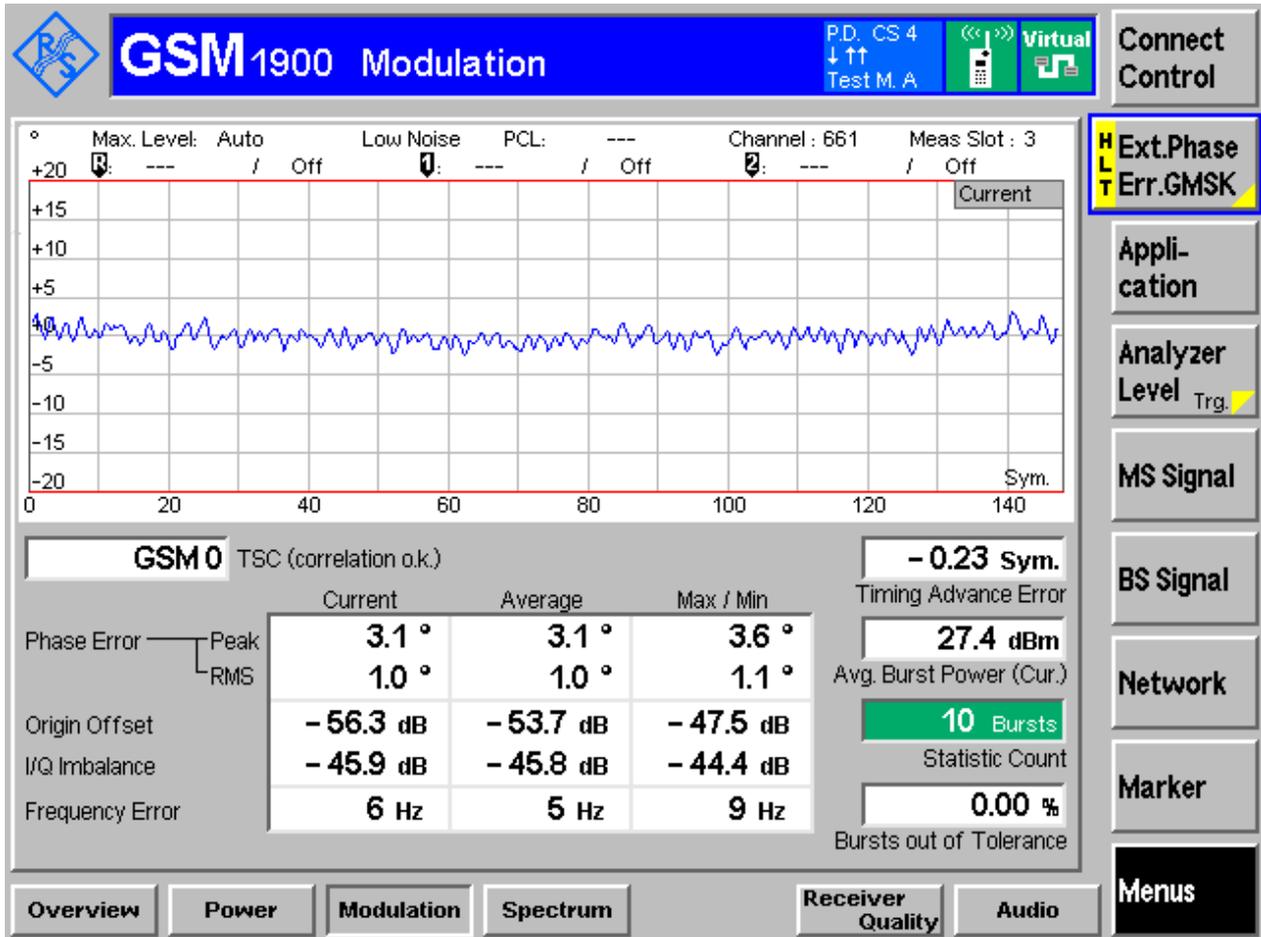
#### 3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = GSM1900

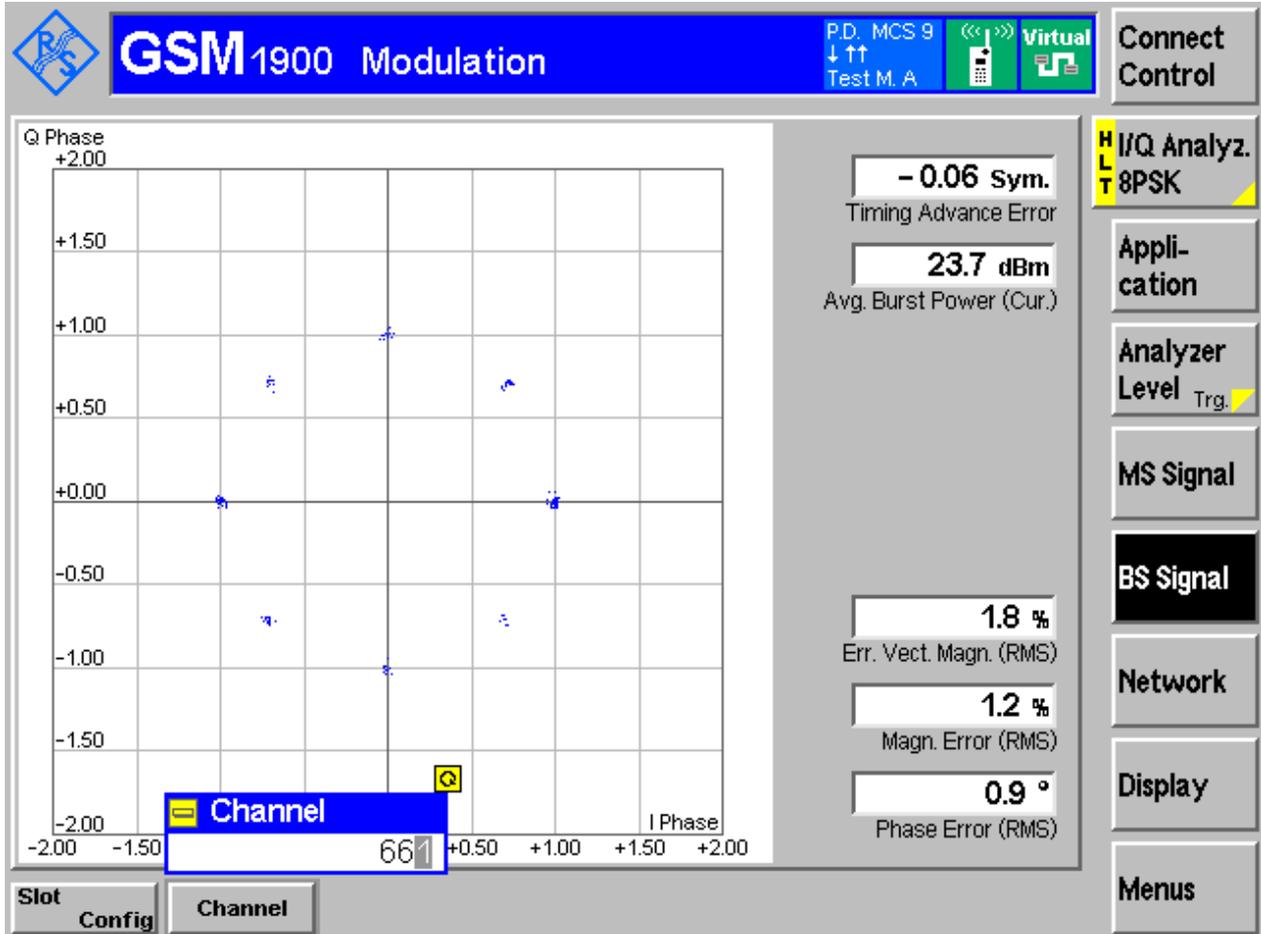
3.1.2.1 Test Mode = GSM/TM1

3.1.2.1.1 Test Channel = MCH



3.1.2.2 Test Mode = GSM/TM2

3.1.2.2.1 Test Channel = MCH

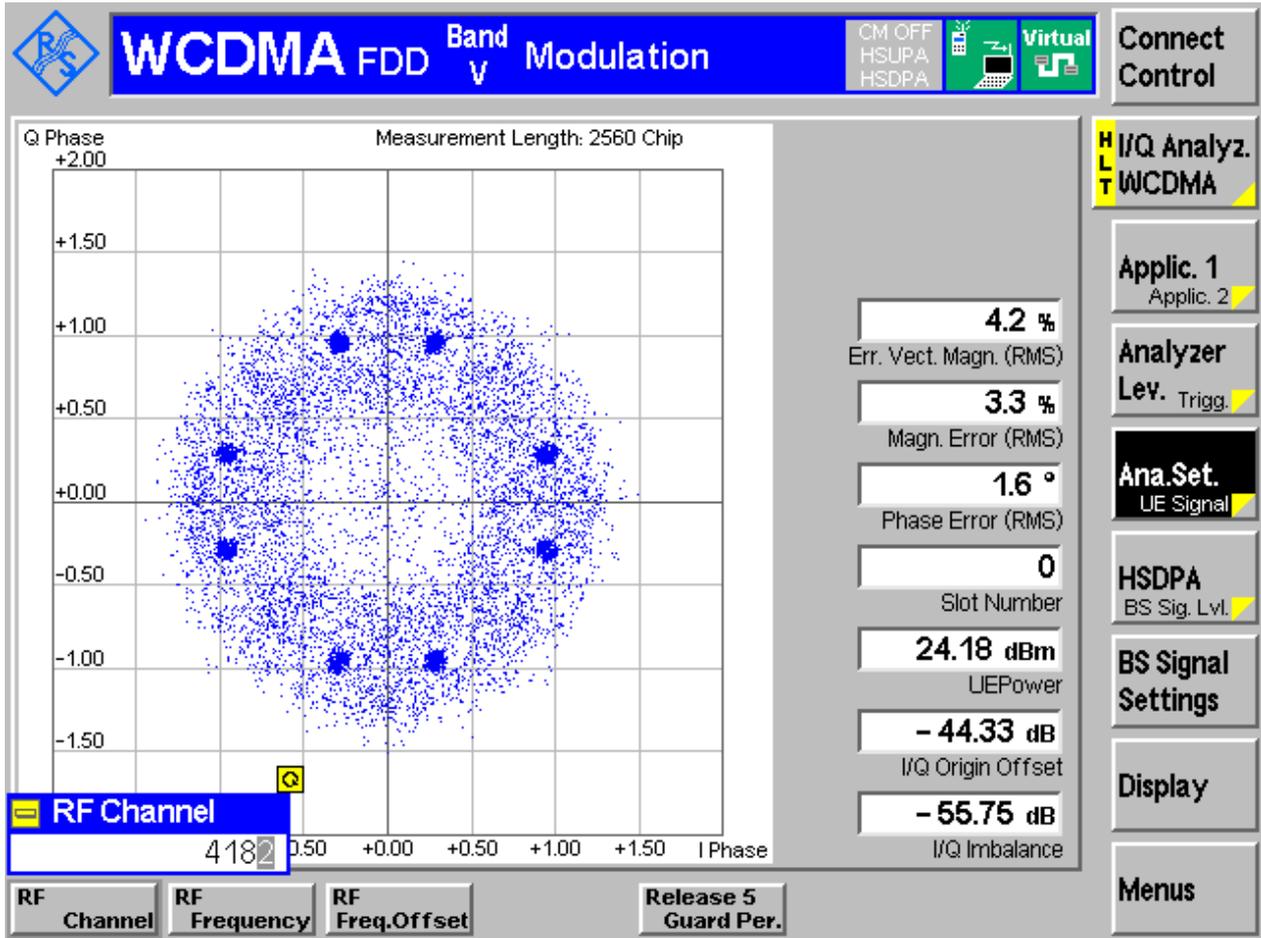


### 3.2 For UMTS

#### 3.2.1 Test Band = WCDMA850

##### 3.2.1.1 Test Mode = UMTS/TM1

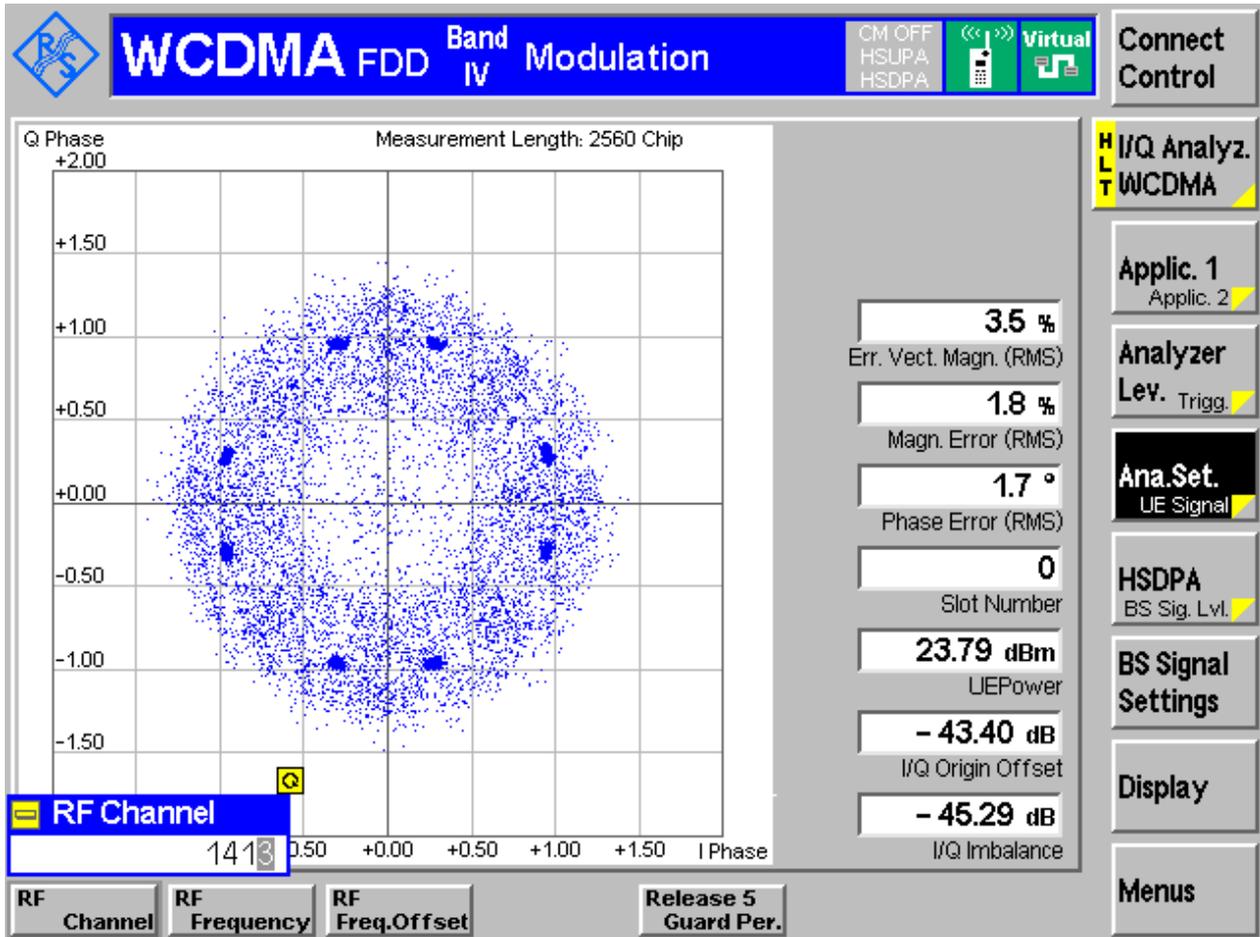
##### 3.2.1.1.1 Test Channel = MCH



### 3.2.2 Test Band = WCDMA1700

#### 3.2.2.1 Test Mode = UMTS/TM1

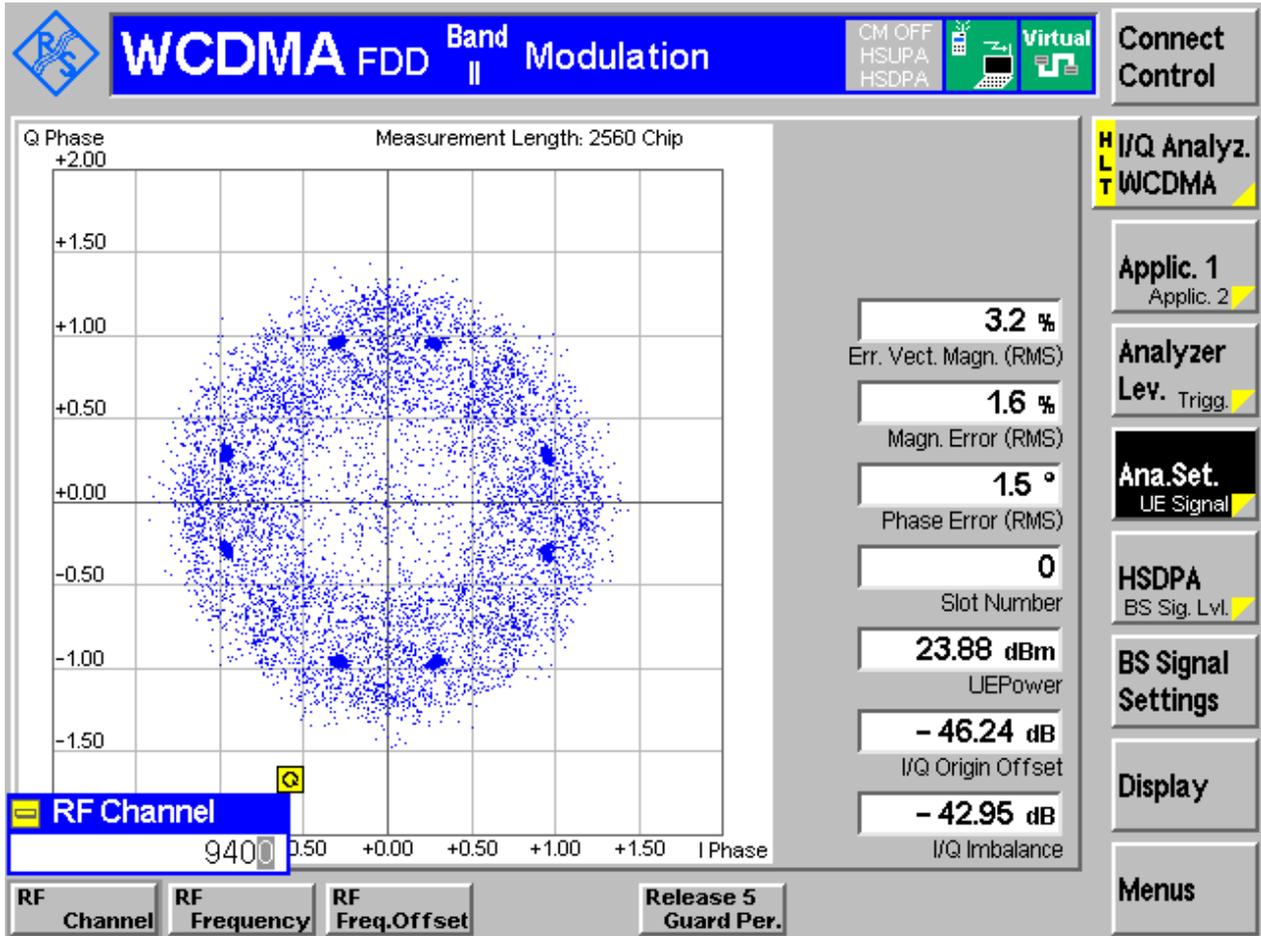
##### 3.2.2.1.1 Test Channel = MCH



3.2.3 Test Band = WCDMA1900

3.2.3.1 Test Mode = UMTS/TM1

3.2.3.1.1 Test Channel = MCH



## 4Appendix\_D: Bandwidth

### Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [kHz]	Emission Bandwidth [kHz]	Verdict
GSM850	GSM/TM1	LCH	245.04	317.27	Pass
		MCH	245.35	317.47	Pass
		HCH	243.56	311.79	Pass
	GSM/TM2	LCH	242.51	301.48	Pass
		MCH	238.83	310.81	Pass
		HCH	246.55	316.51	Pass
GSM1900	GSM/TM1	LCH	245.38	317.95	Pass
		MCH	245.54	310.87	Pass
		HCH	244.07	312.03	Pass
	GSM/TM2	LCH	247.31	312.12	Pass
		MCH	247.11	314.51	Pass
		HCH	244.00	318.80	Pass
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA850	UMTS/TM1	LCH	4.16	4.71	Pass
		MCH	4.16	4.71	Pass
		HCH	4.15	4.71	Pass
WCDMA1900	UMTS/TM1	LCH	4.16	4.74	Pass
		MCH	4.16	4.74	Pass
		HCH	4.15	4.72	Pass
WCDMA1700	UMTS/TM1	LCH	4.17	4.74	Pass
		MCH	4.17	4.73	Pass
		HCH	4.16	4.71	Pass

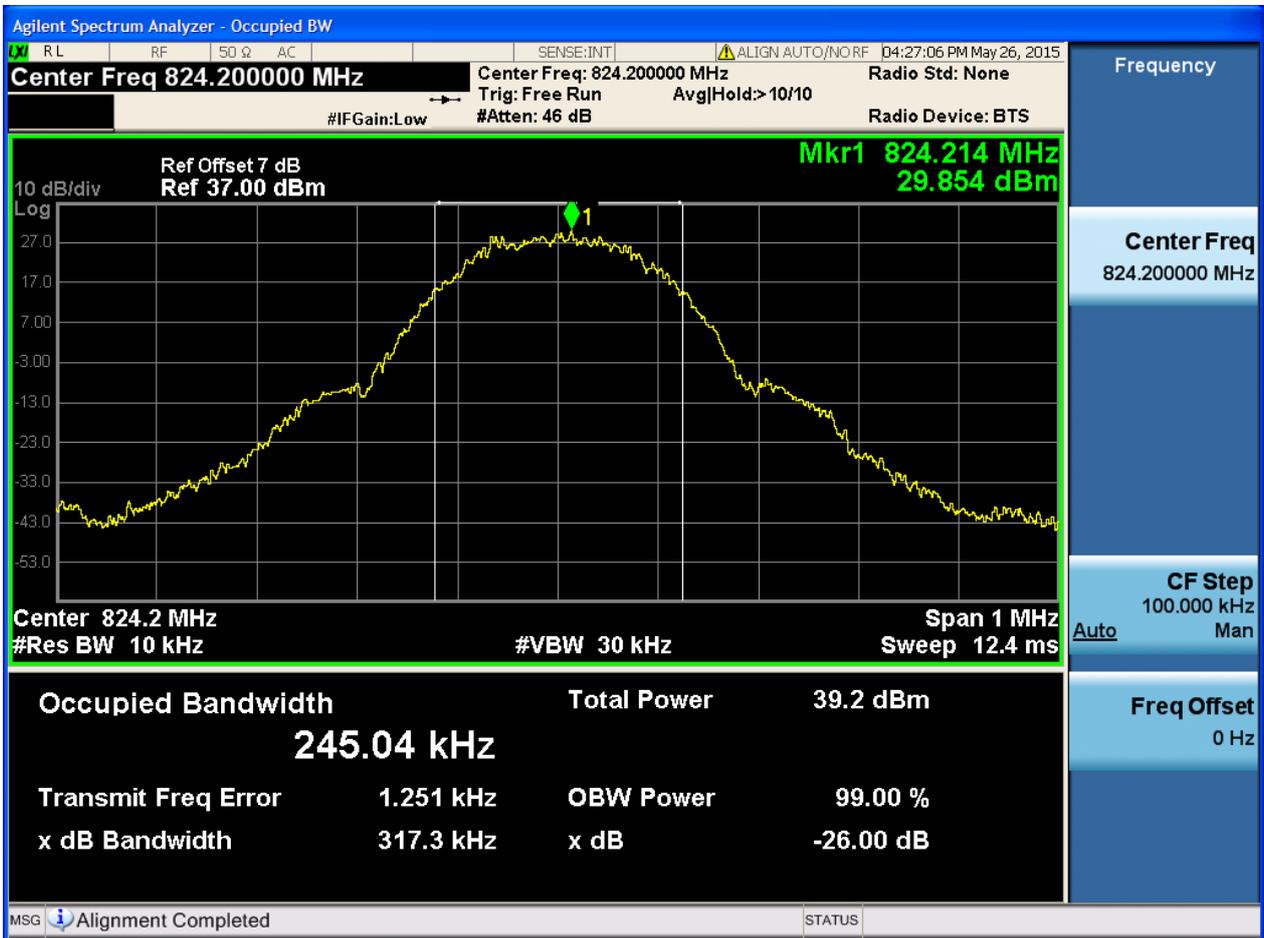
**Part II - Test Plots**

**4.1 For GSM**

**4.1.1 Test Band = GSM850**

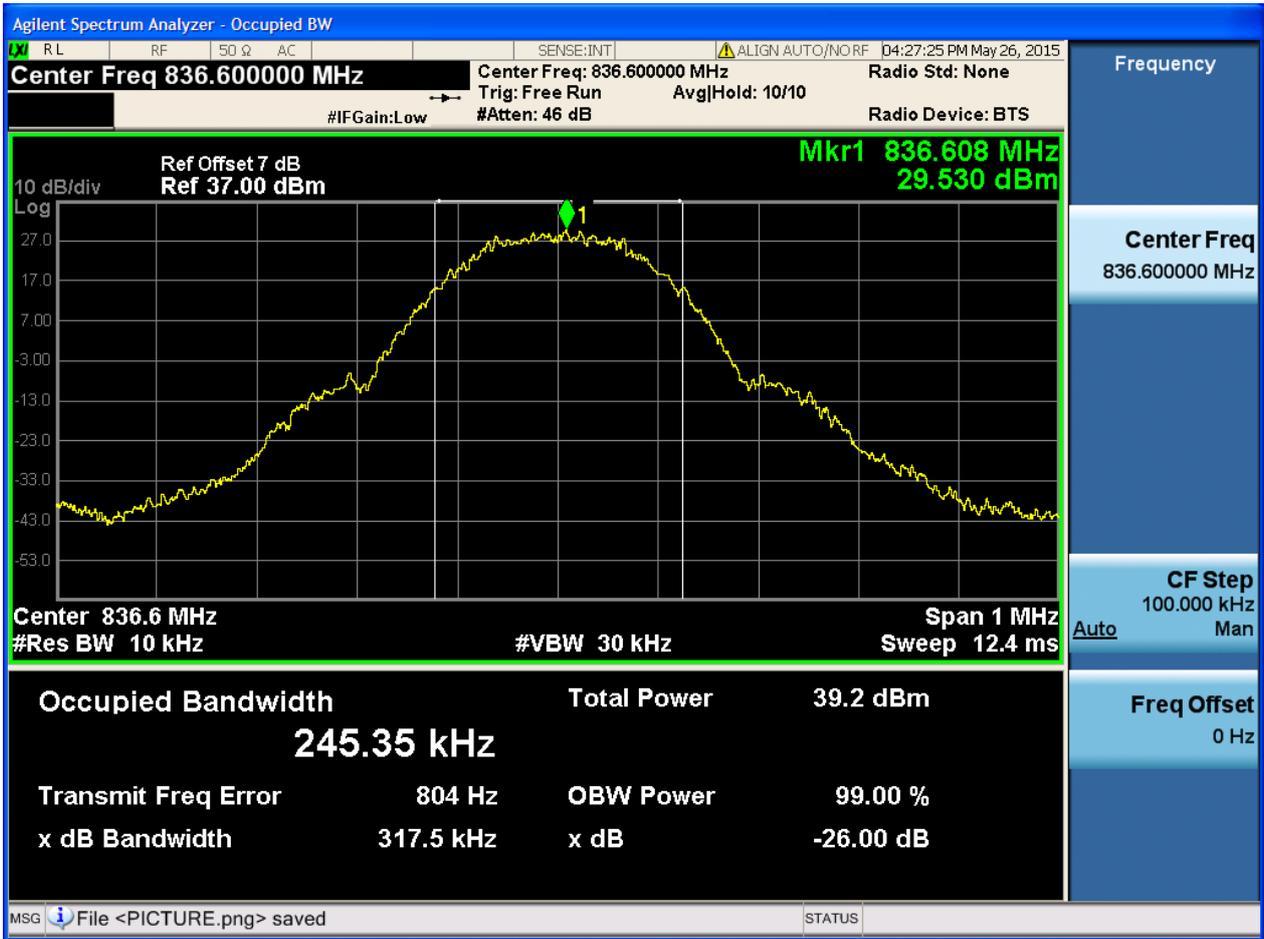
**4.1.1.1 Test Mode = GSM/TM1**

**4.1.1.1.1 Test Channel = LCH**





4.1.1.1.2 Test Channel = MCH





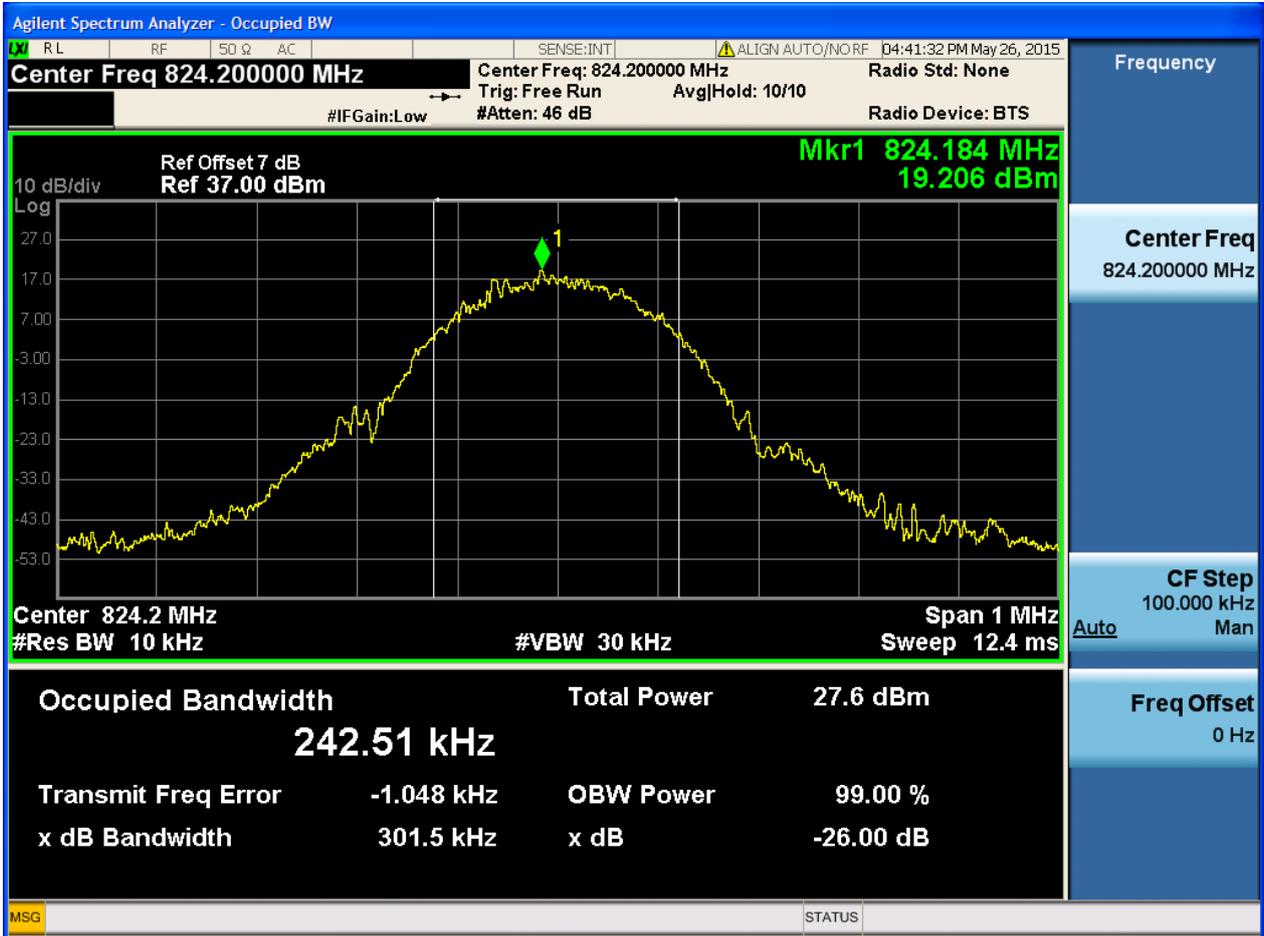
4.1.1.1.3 Test Channel = HCH





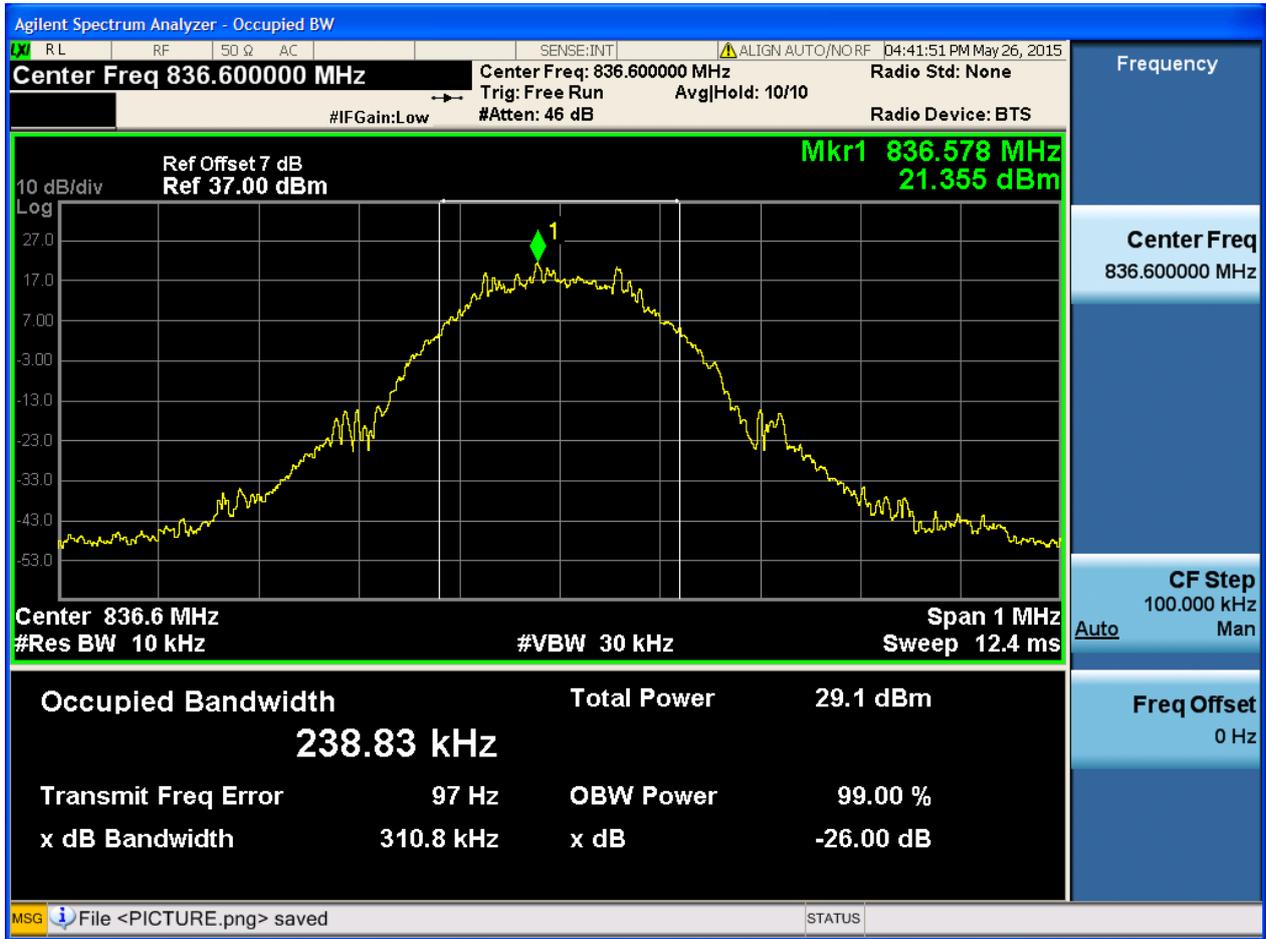
4.1.1.2 Test Mode = GSM/TM2

4.1.1.2.1 Test Channel = LCH



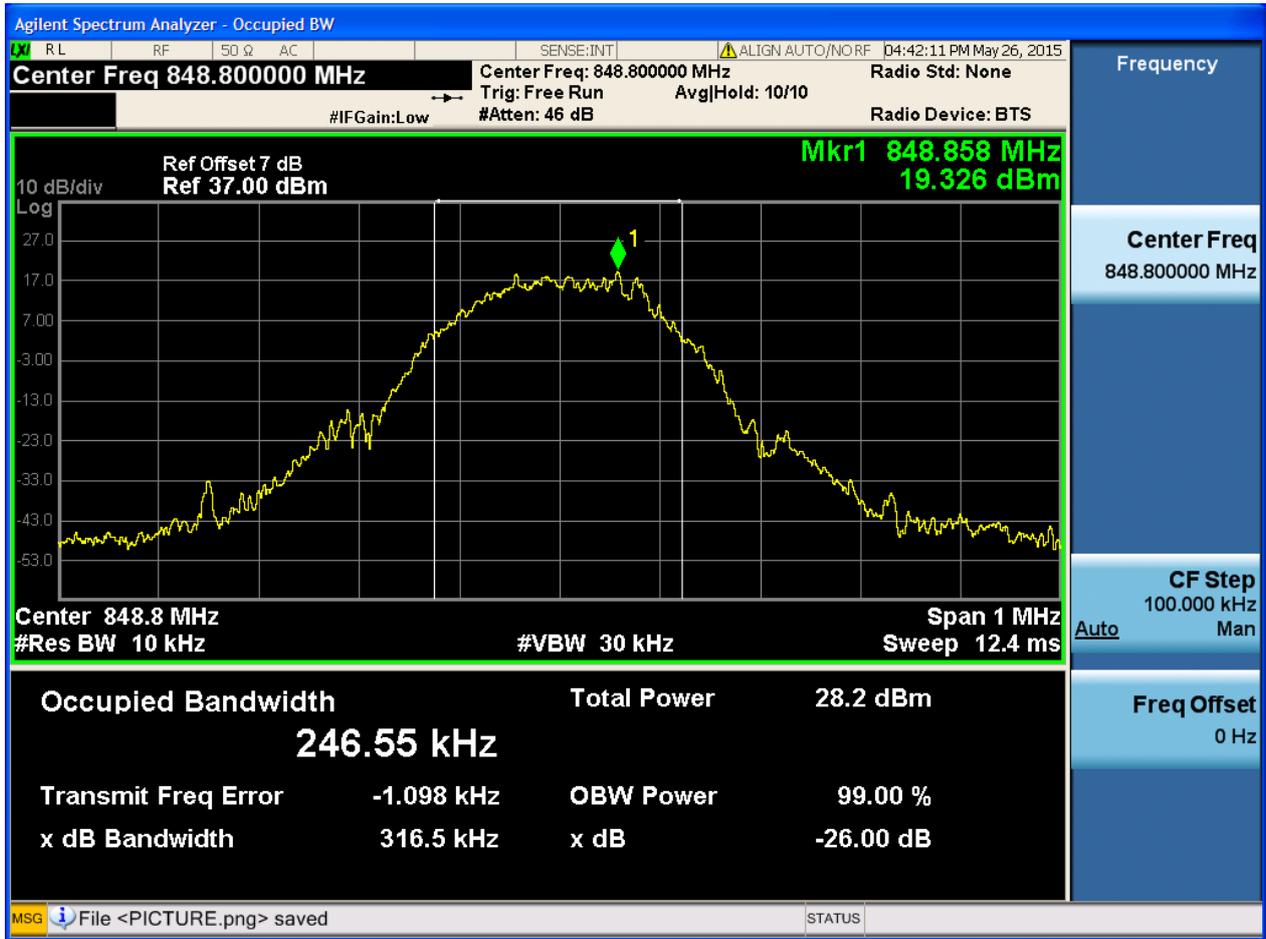


4.1.1.2.2 Test Channel = MCH





4.1.1.2.3 Test Channel = HCH





4.1.2 Test Band = GSM1900

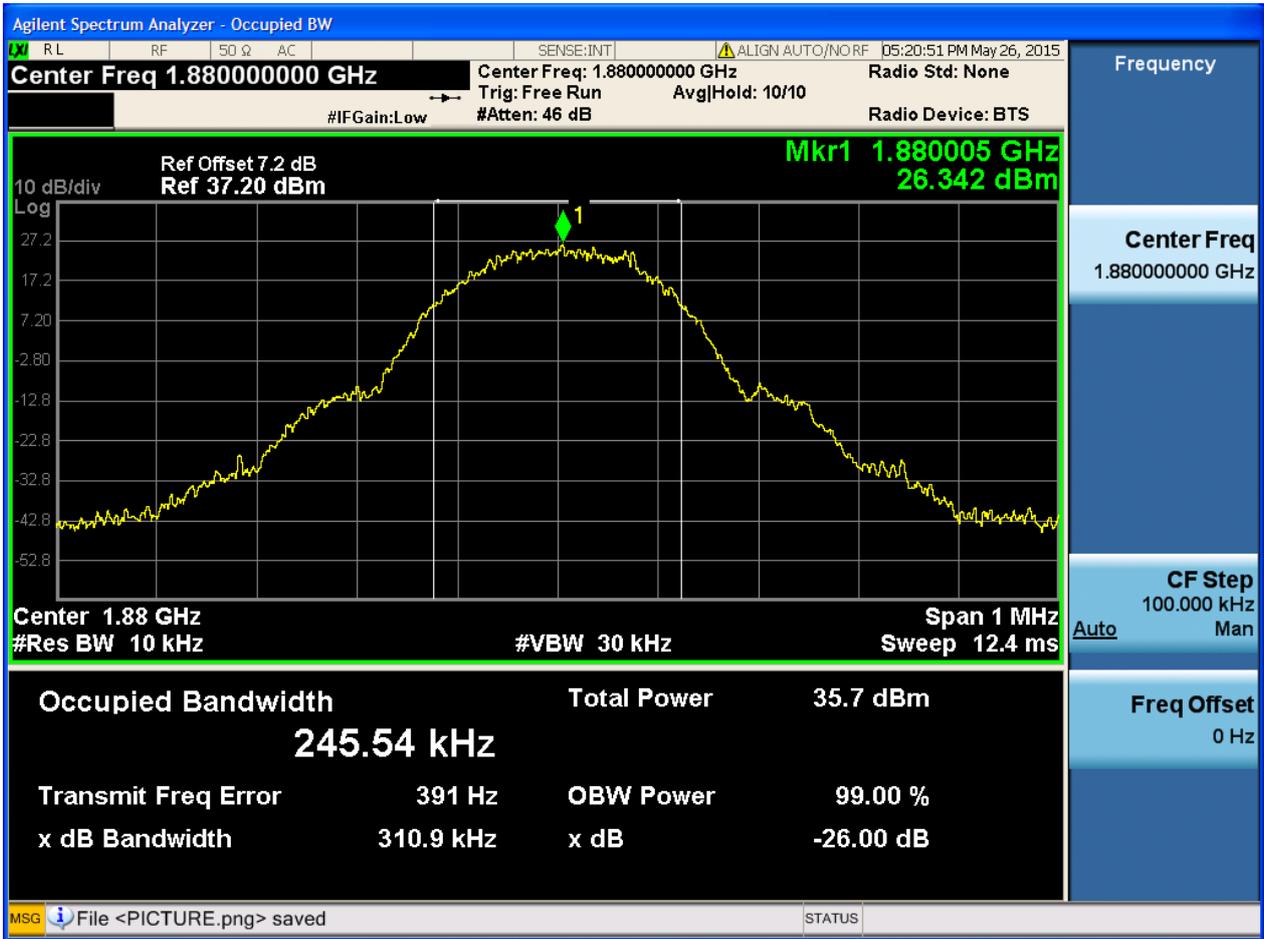
4.1.2.1 Test Mode = GSM/TM1

4.1.2.1.1 Test Channel = LCH



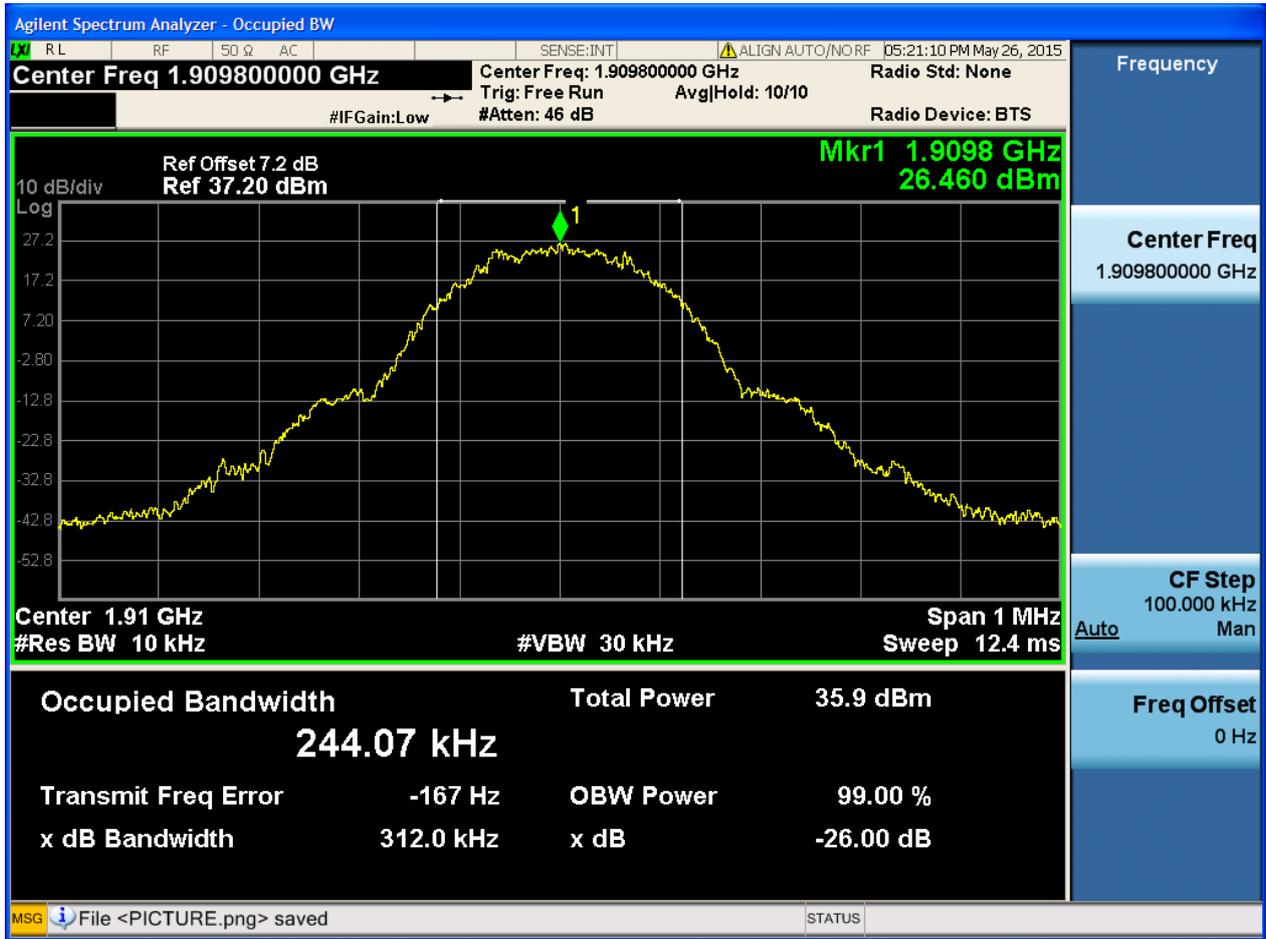


4.1.2.1.2 Test Channel = MCH





4.1.2.1.3 Test Channel = HCH





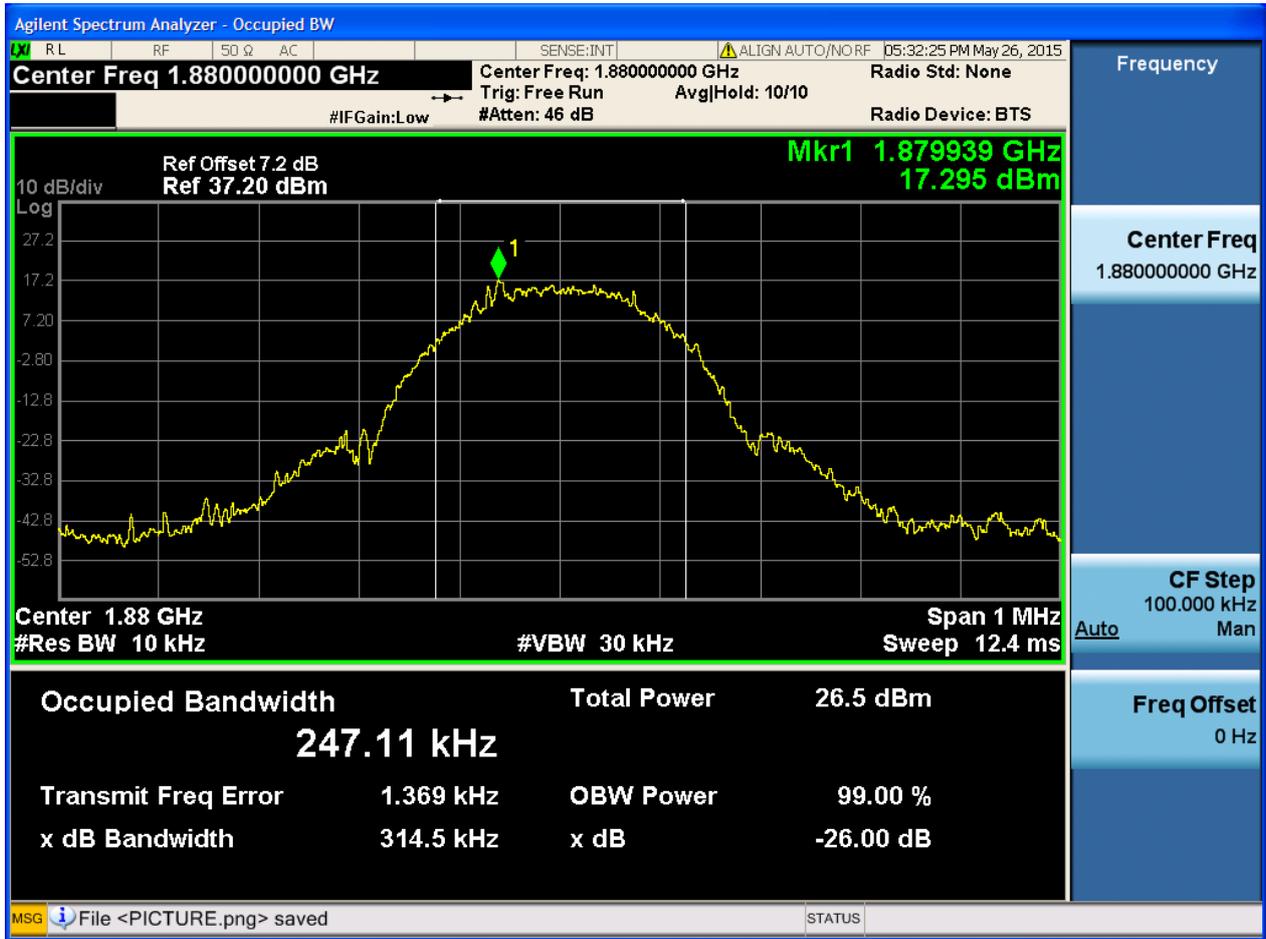
4.1.2.2 Test Mode = GSM/TM2

4.1.2.2.1 Test Channel = LCH



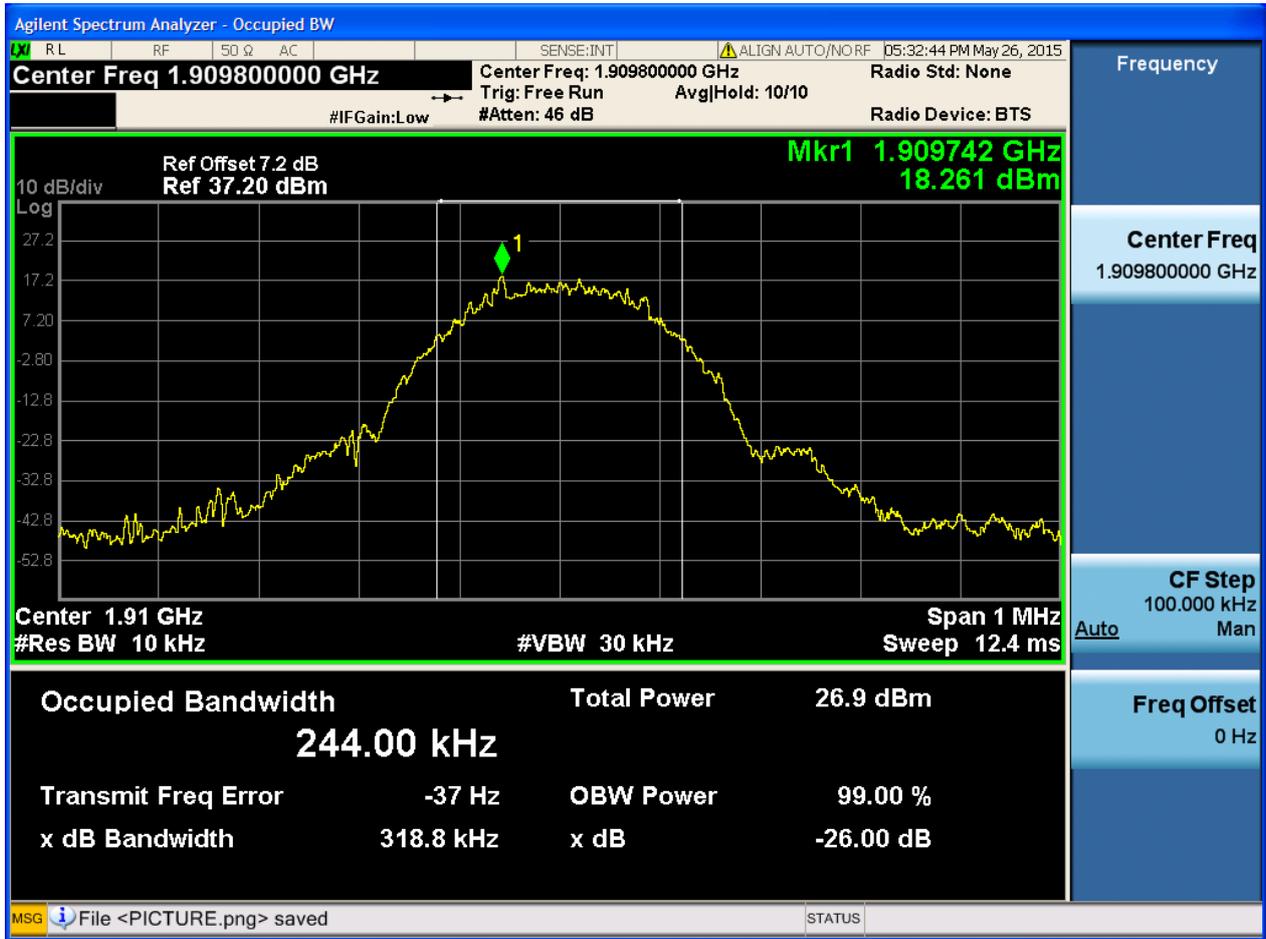


4.1.2.2.2 Test Channel = MCH





4.1.2.2.3 Test Channel = HCH

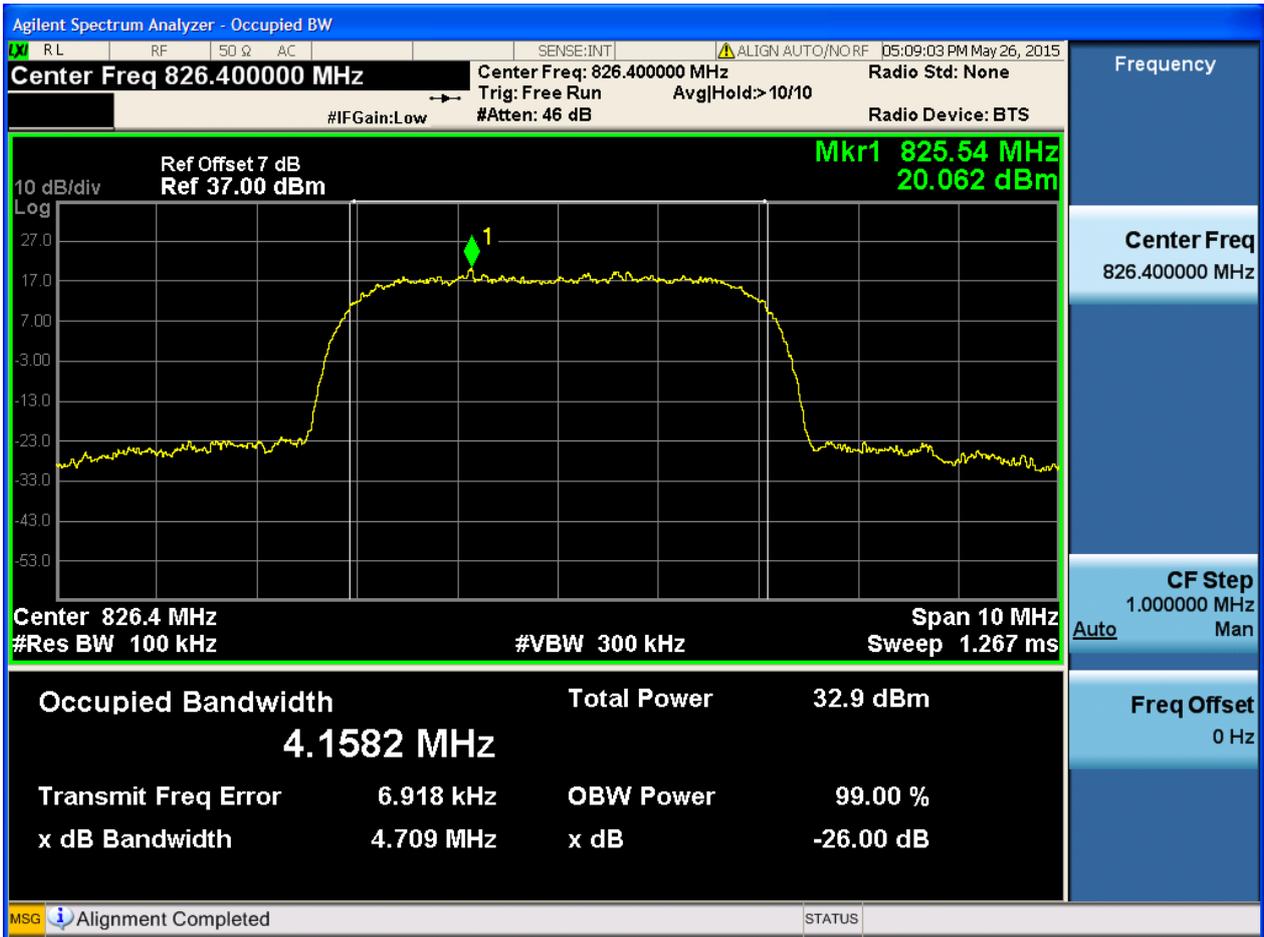


## 4.2 For UMTS

### 4.2.1 Test Band = WCDMA850

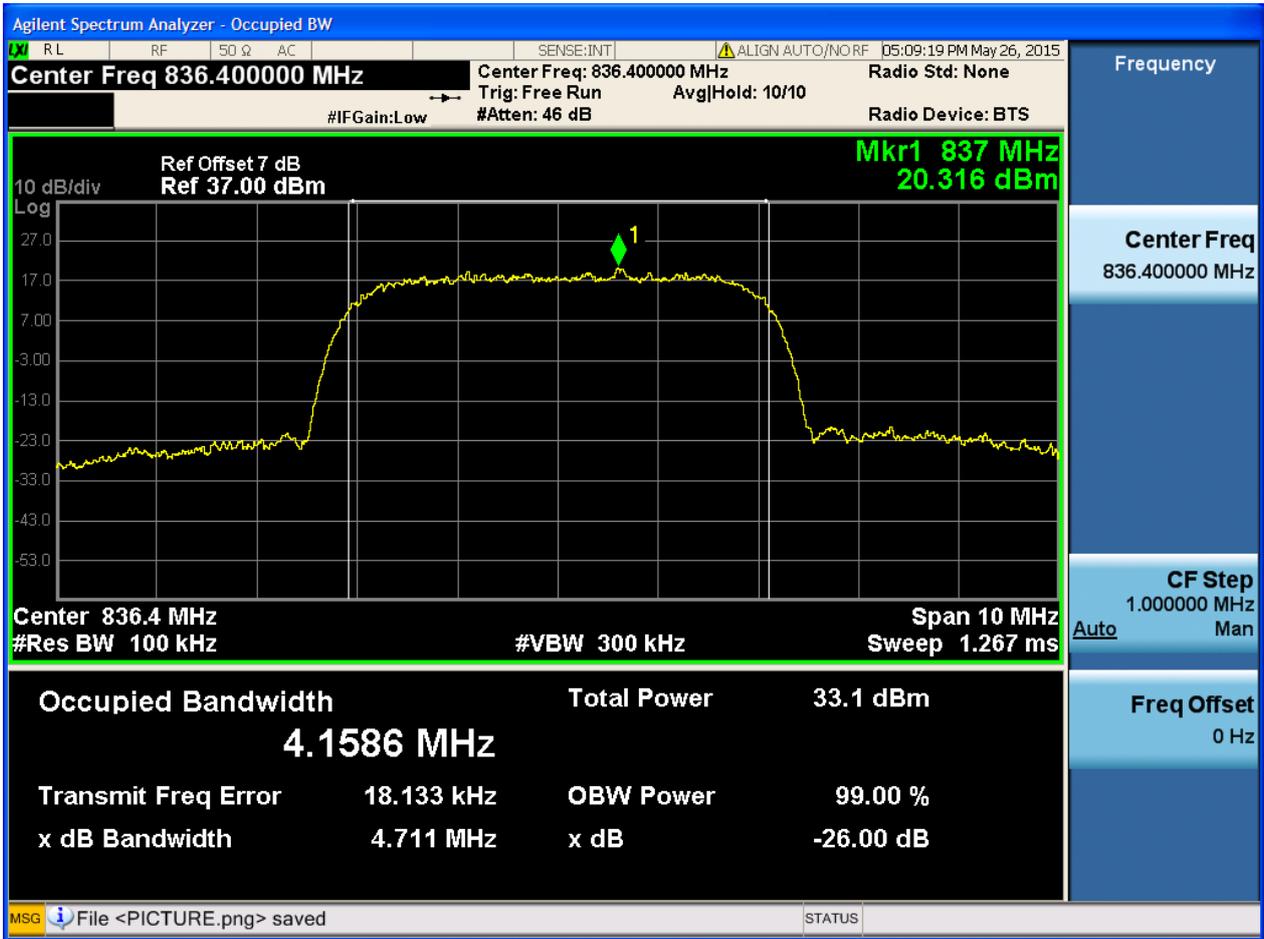
#### 4.2.1.1 Test Mode = UMTS/TM1

##### 4.2.1.1.1 Test Channel = LCH



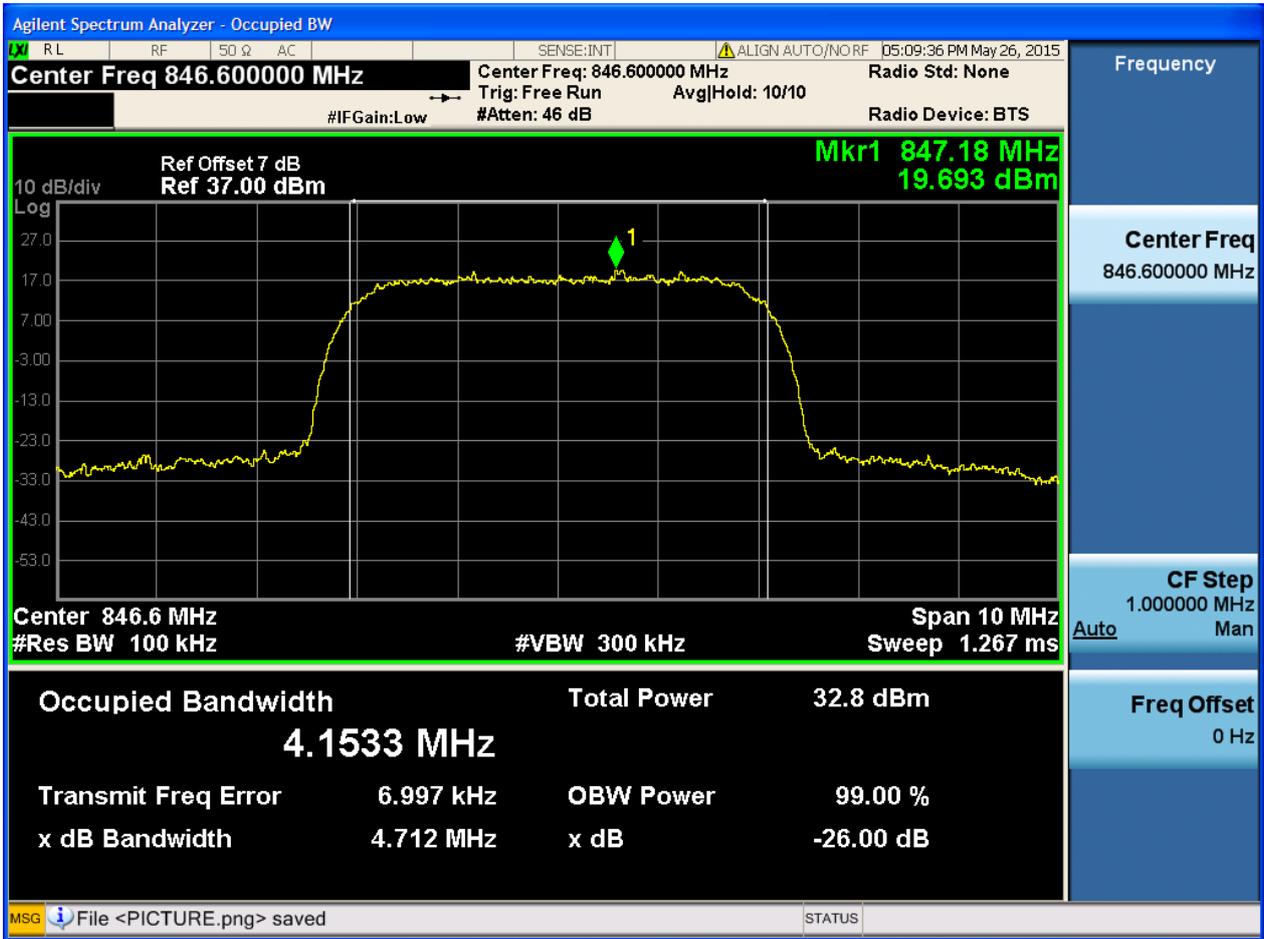


4.2.1.1.2 Test Channel = MCH





4.2.1.1.3 Test Channel = HCH

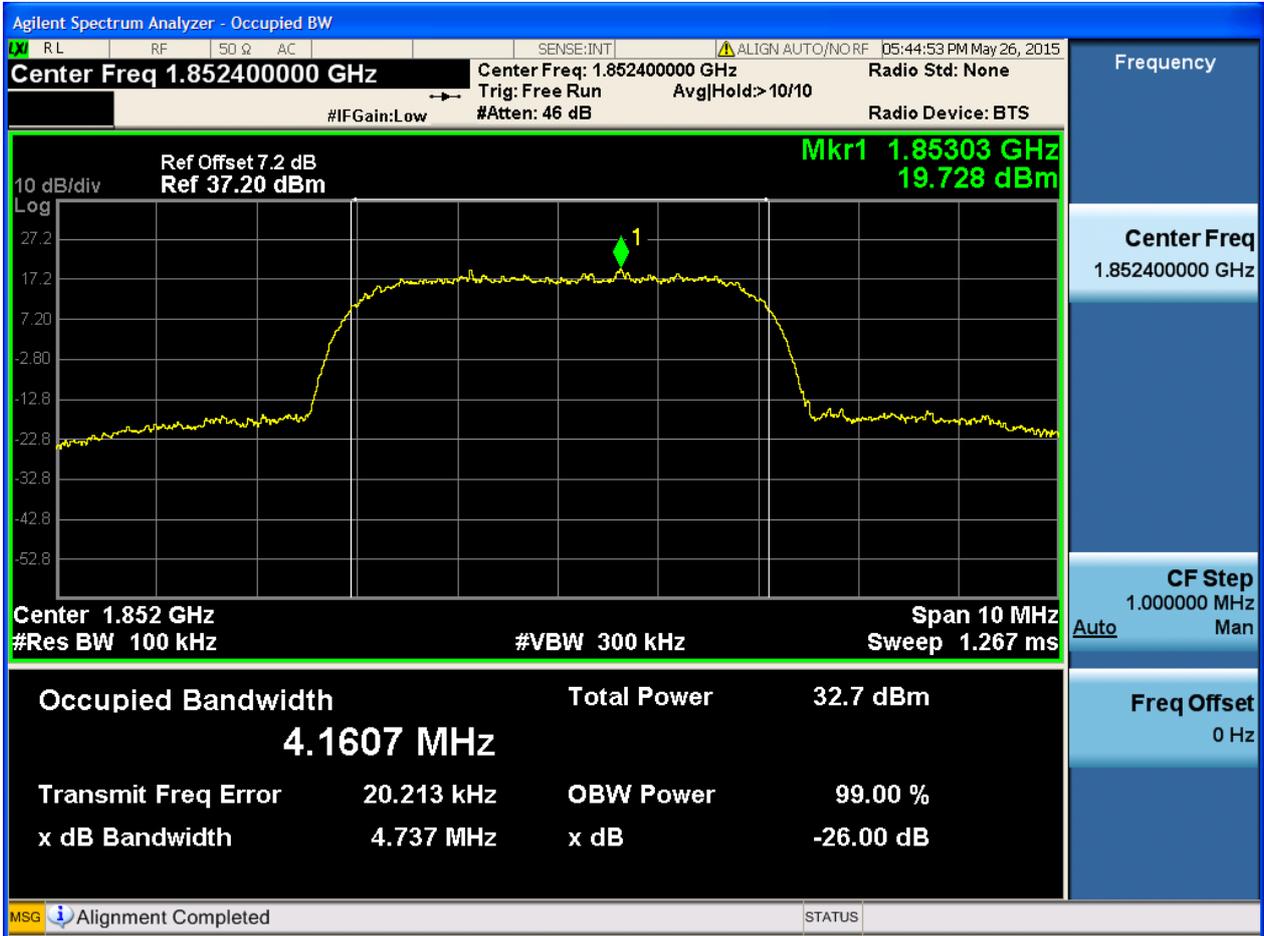




4.2.2 Test Band = WCDMA1900

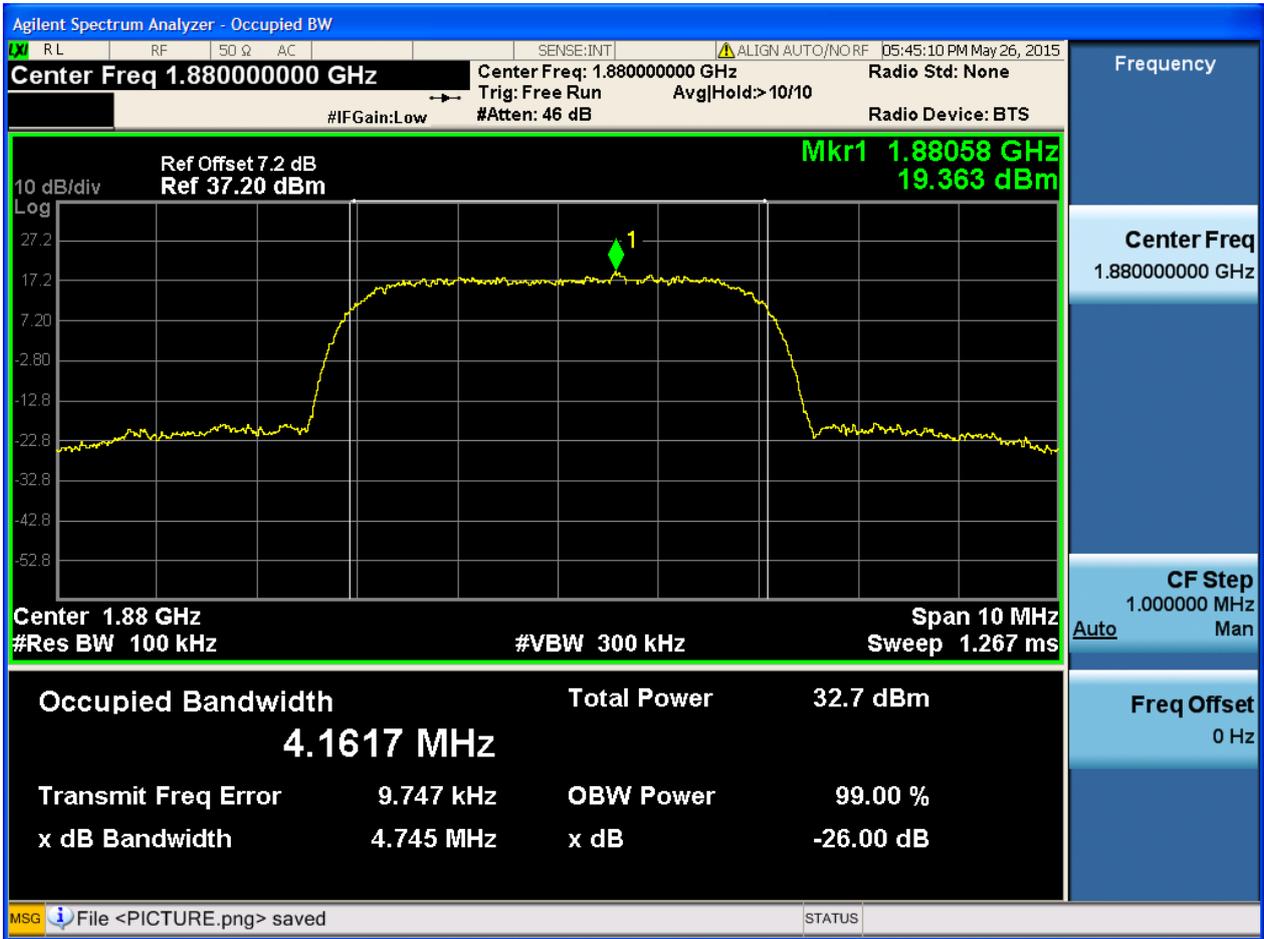
4.2.2.1 Test Mode = UMTS/TM1

4.2.2.1.1 Test Channel = LCH

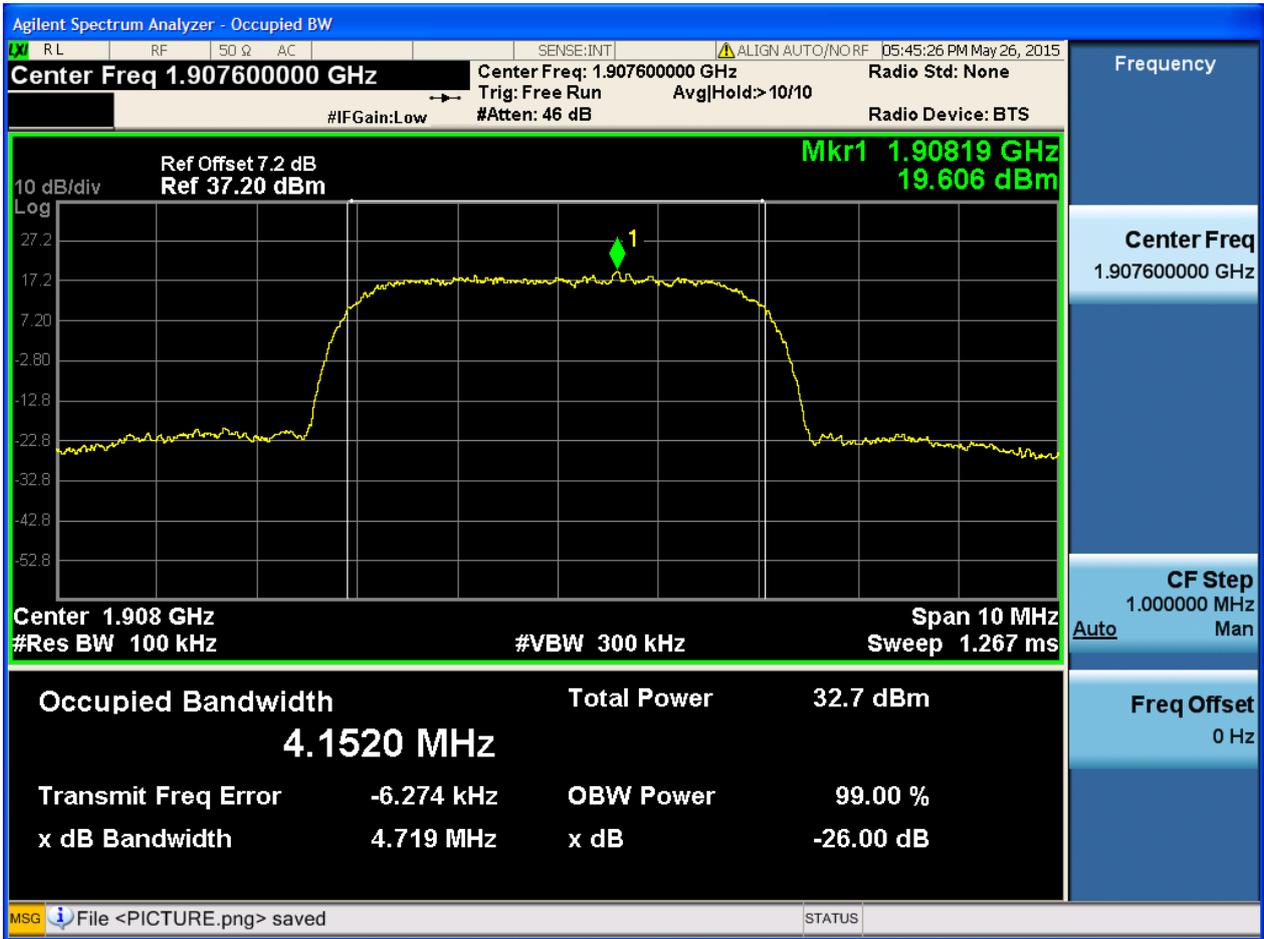




4.2.2.1.2 Test Channel = MCH



4.2.2.1.3 Test Channel = HCH

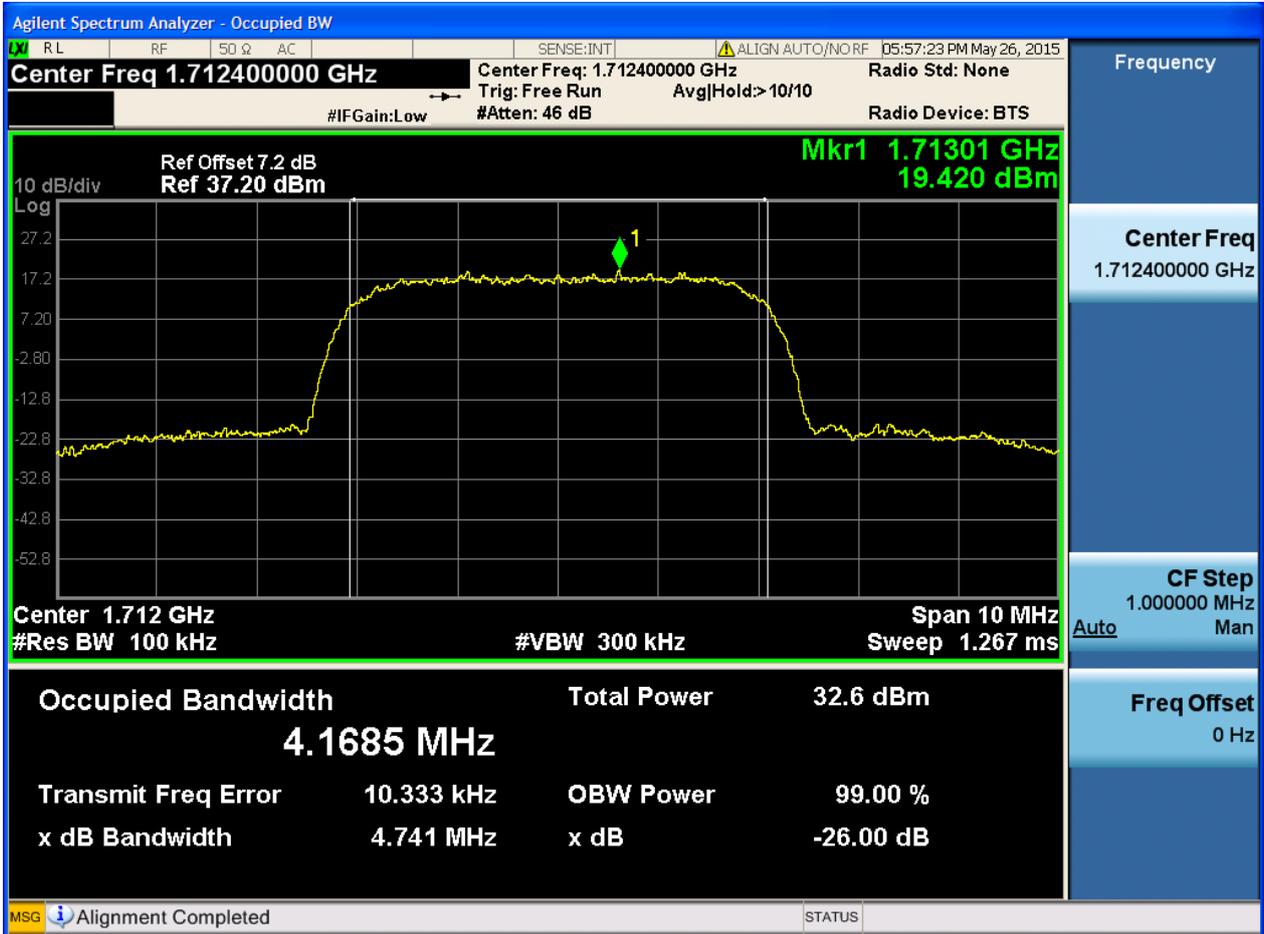




4.2.3 Test Band = WCDMA1700

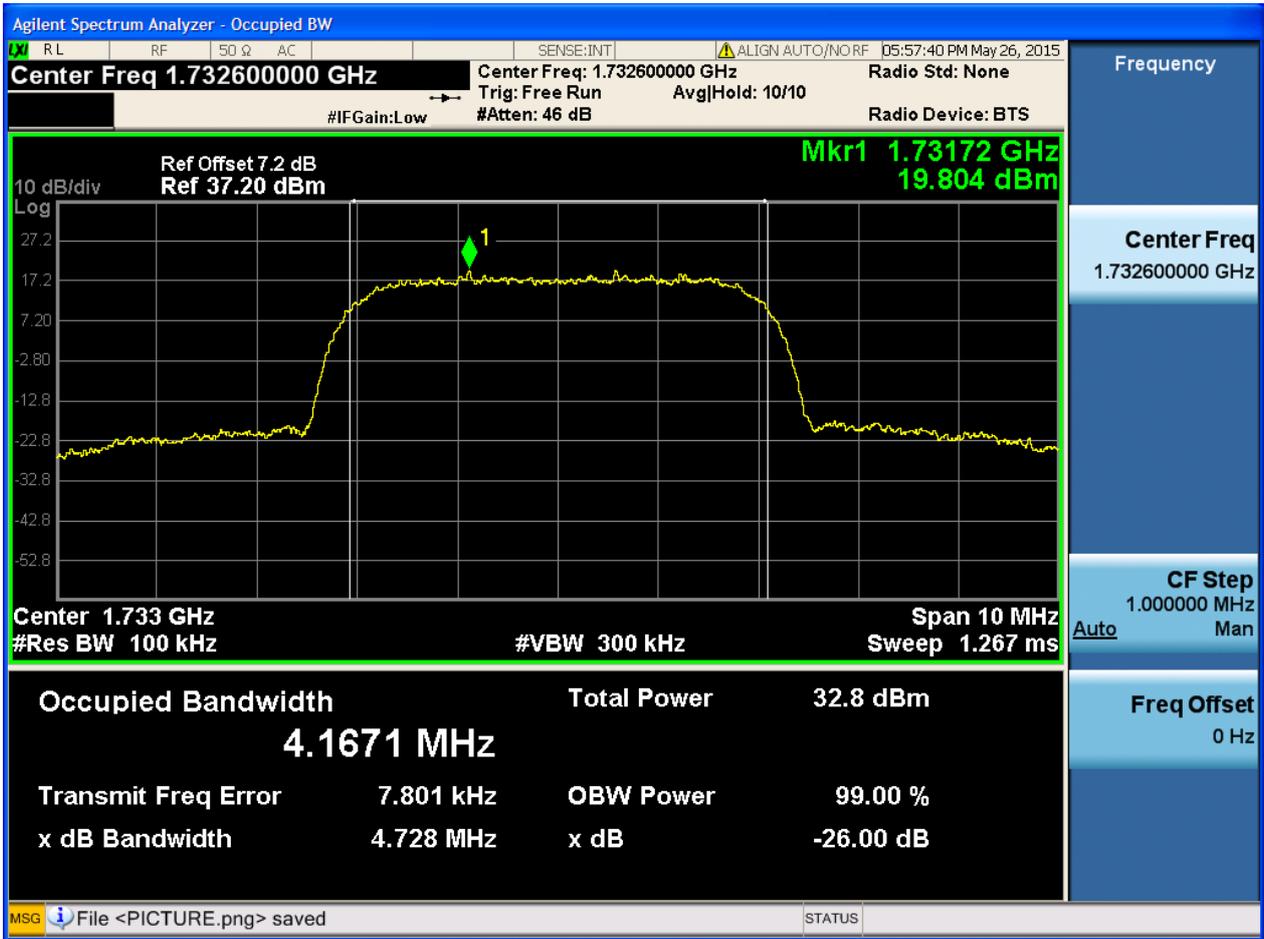
4.2.3.1 Test Mode = UMTS/TM1

4.2.3.1.1 Test Channel = LCH



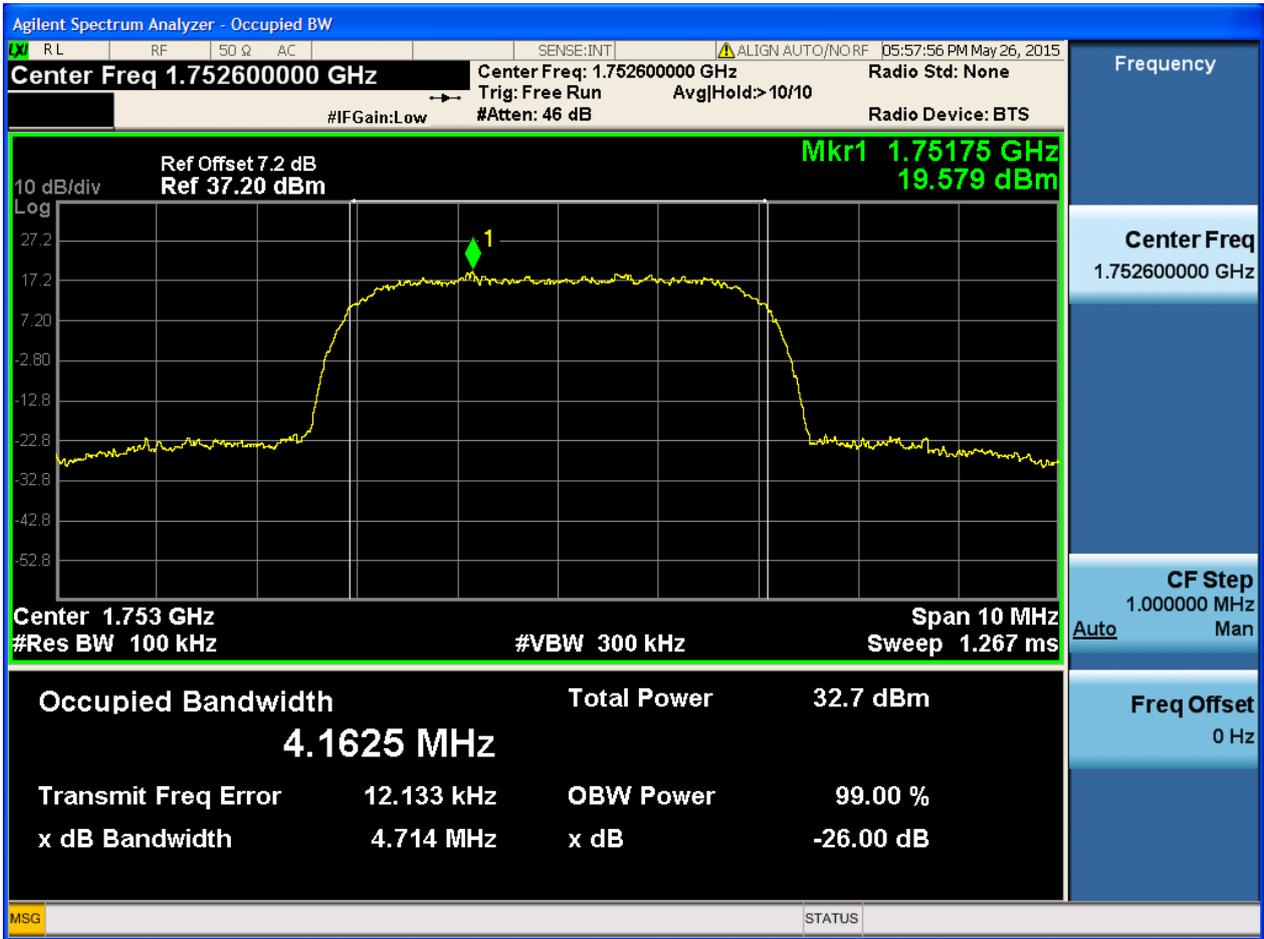


4.2.3.1.2 Test Channel = MCH





4.2.3.1.3 Test Channel = HCH





## 5Appendix\_E: Band Edges Compliance

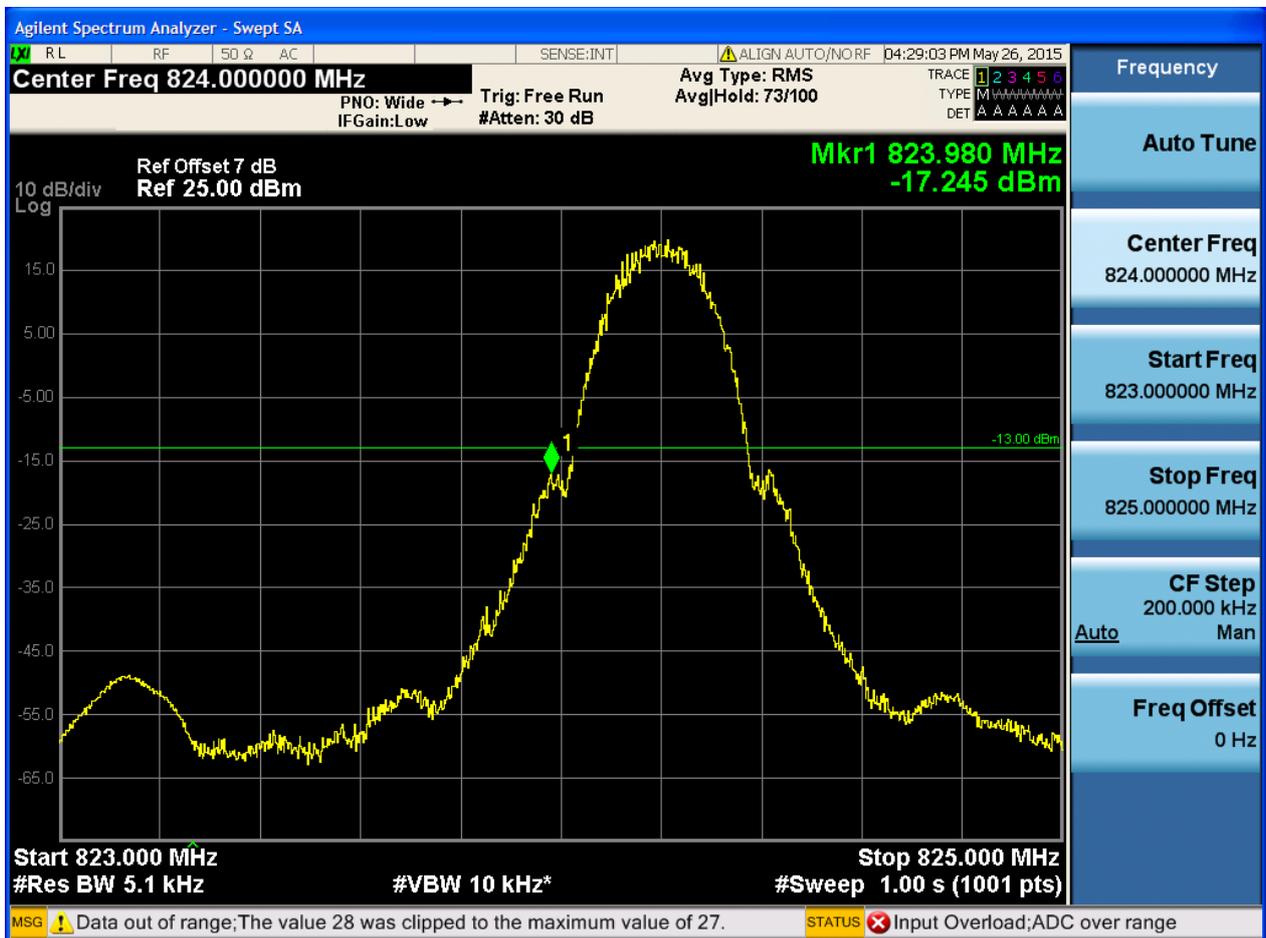
### Part I - Test Plots

#### 5.1 For GSM

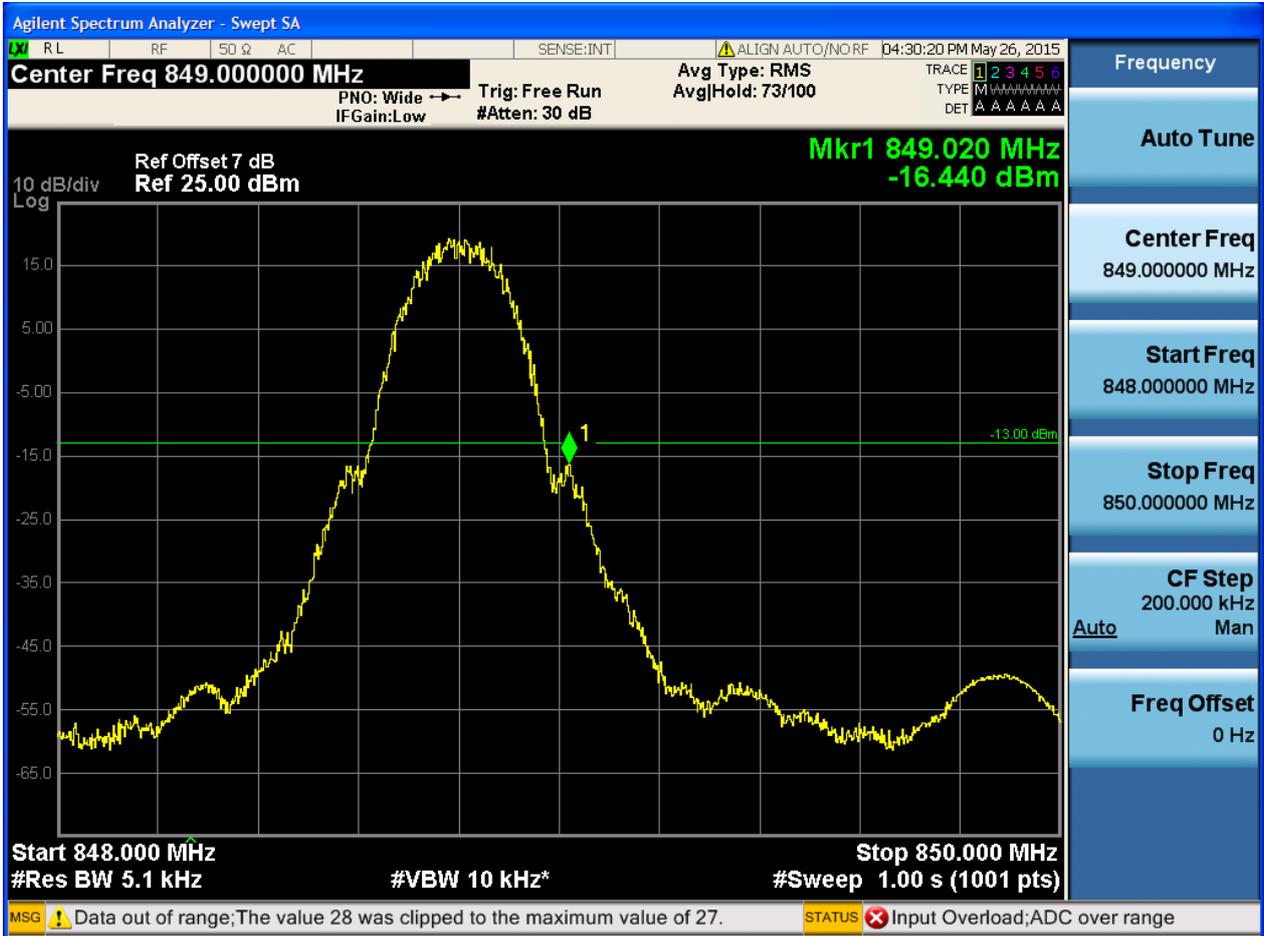
##### 5.1.1 Test Band = GSM850

##### 5.1.1.1 Test Mode = GSM/TM1

##### 5.1.1.1.1 Test Channel = LCH

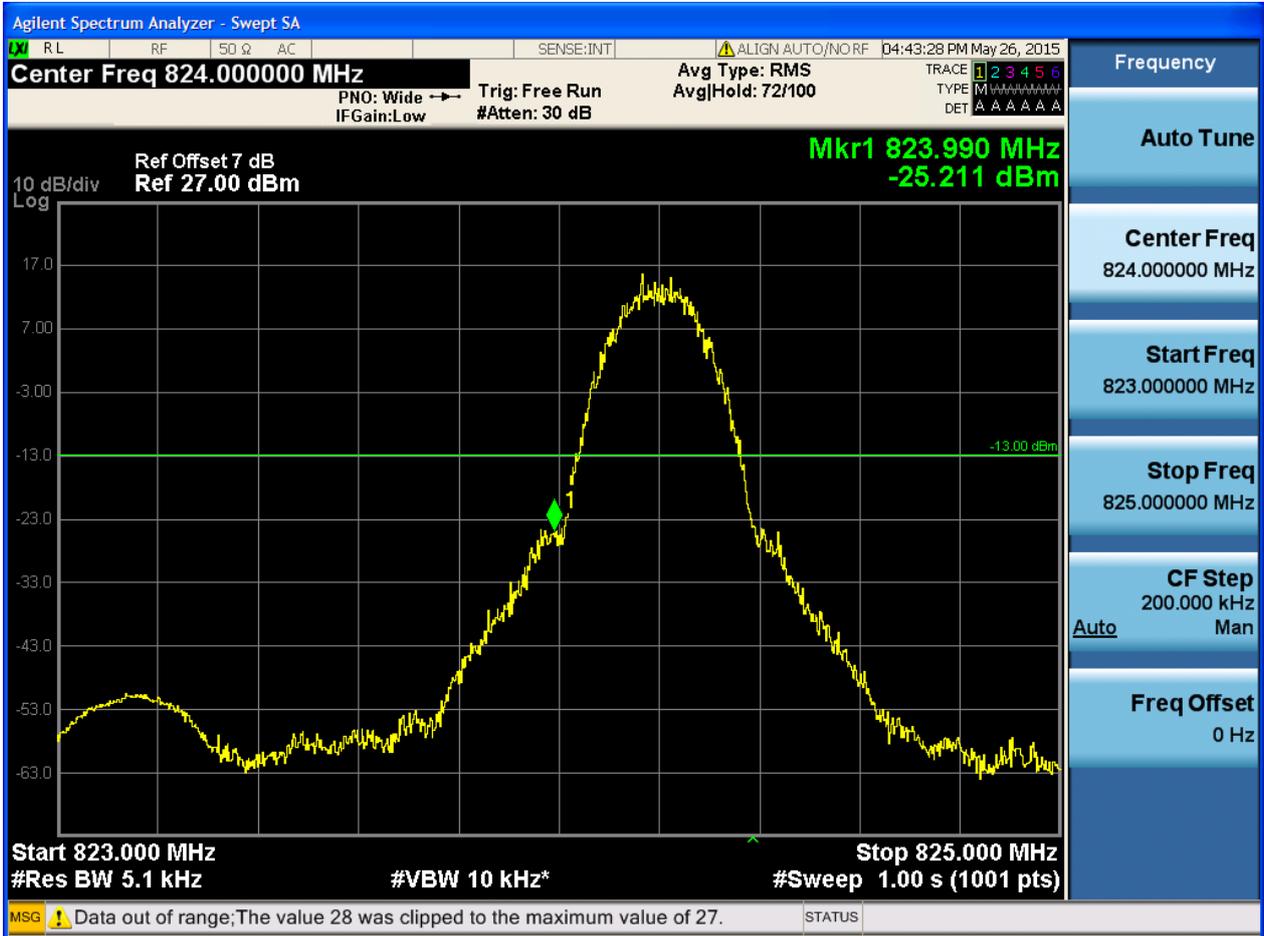


5.1.1.1.2 Test Channel = HCH



5.1.1.2 Test Mode = GSM/TM2

5.1.1.2.1 Test Channel = LCH



5.1.1.2.2 Test Channel = HCH

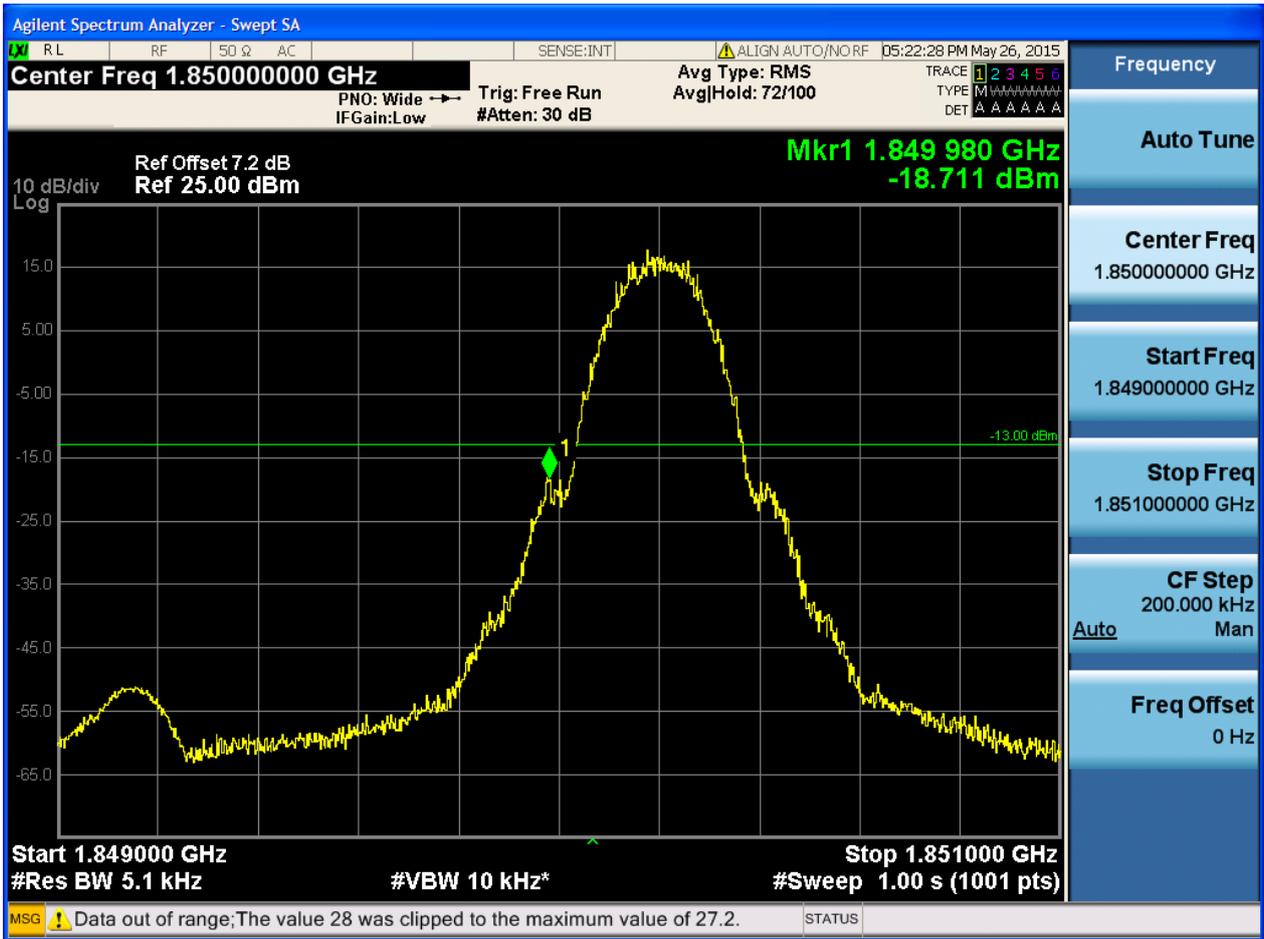




5.1.2 Test Band = GSM1900

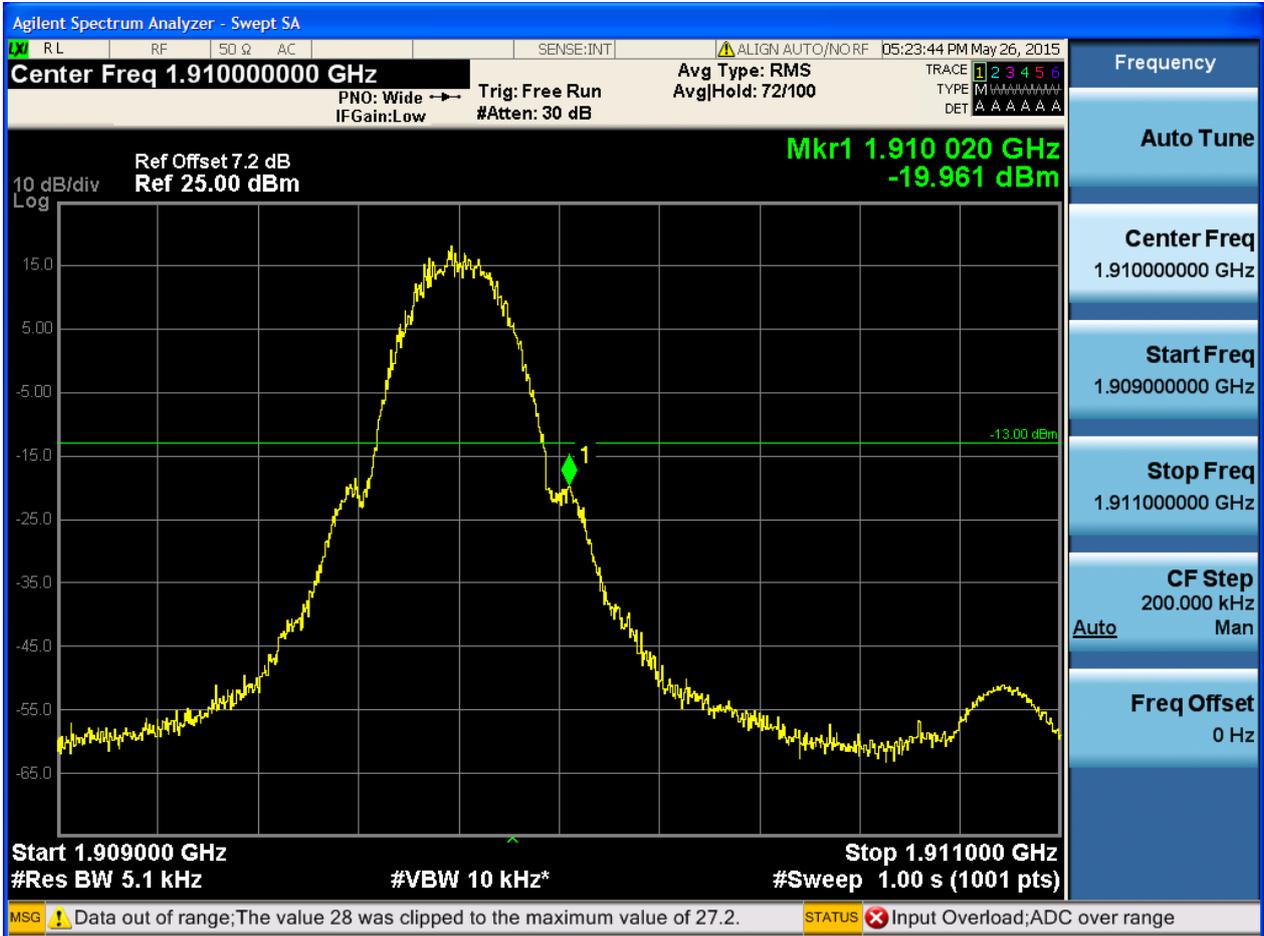
5.1.2.1 Test Mode = GSM/TM1

5.1.2.1.1 Test Channel = LCH



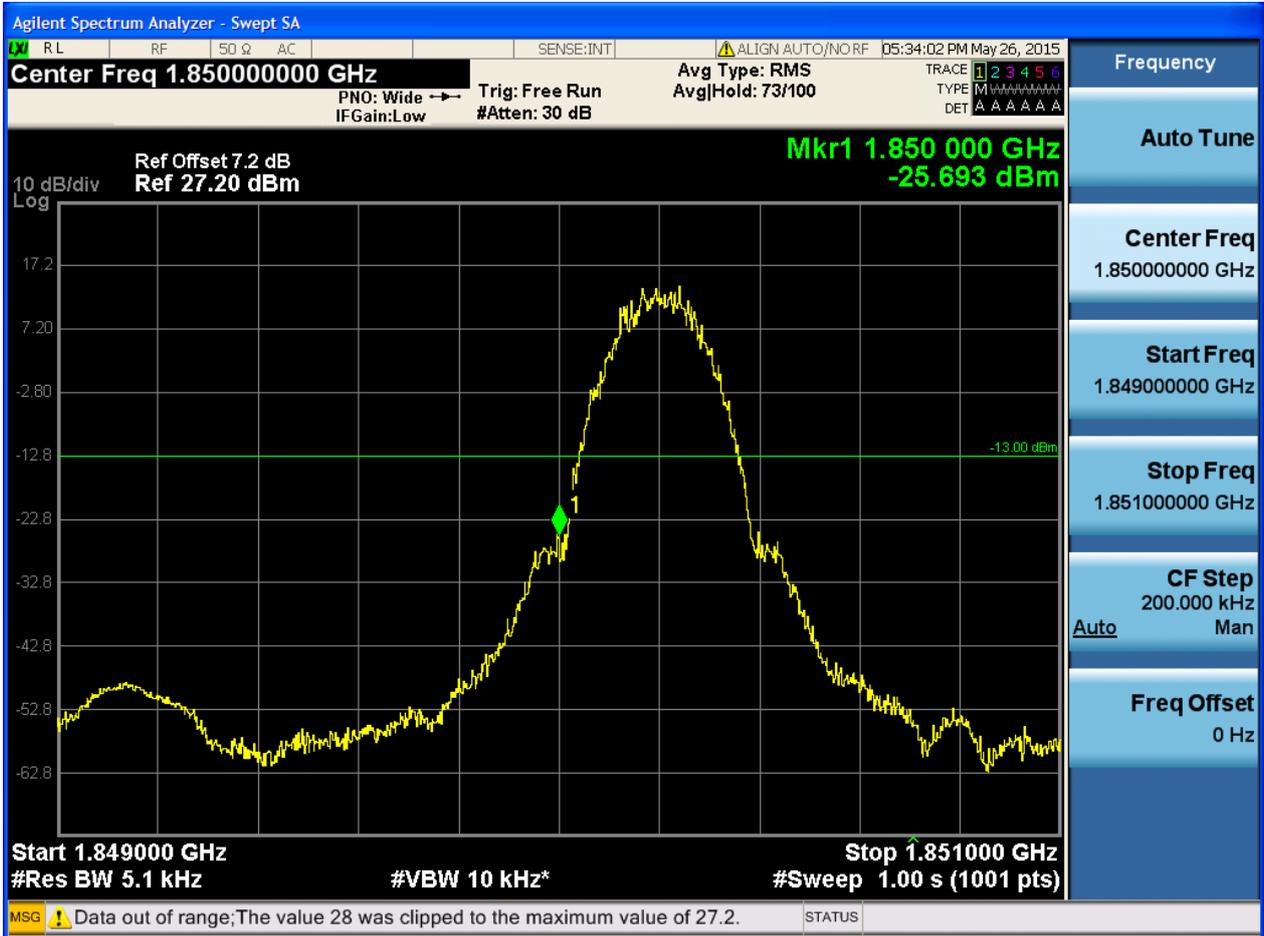


5.1.2.1.2 Test Channel = HCH

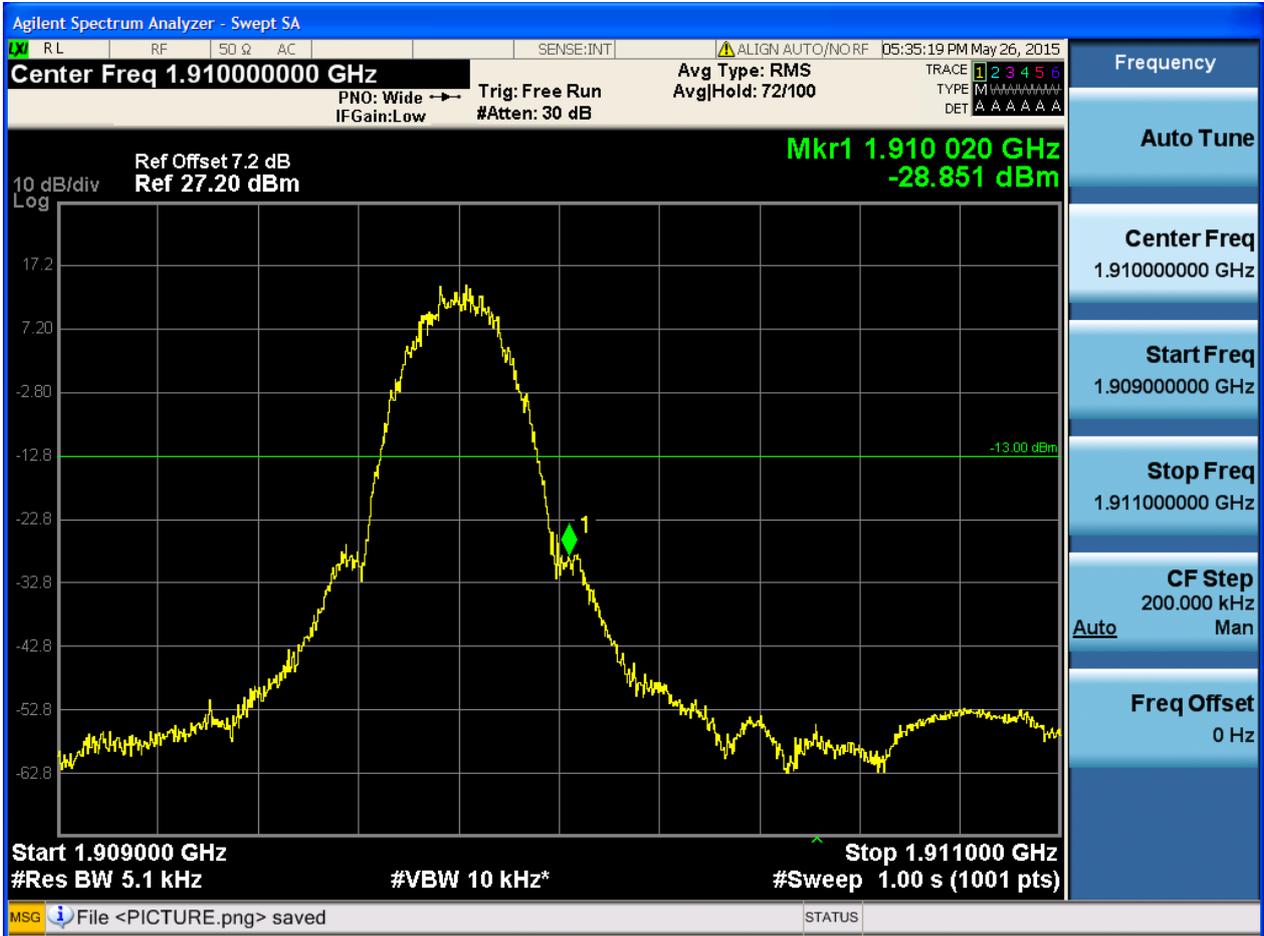


5.1.2.2 Test Mode = GSM/TM2

5.1.2.2.1 Test Channel = LCH



5.1.2.2.2 Test Channel = HCH



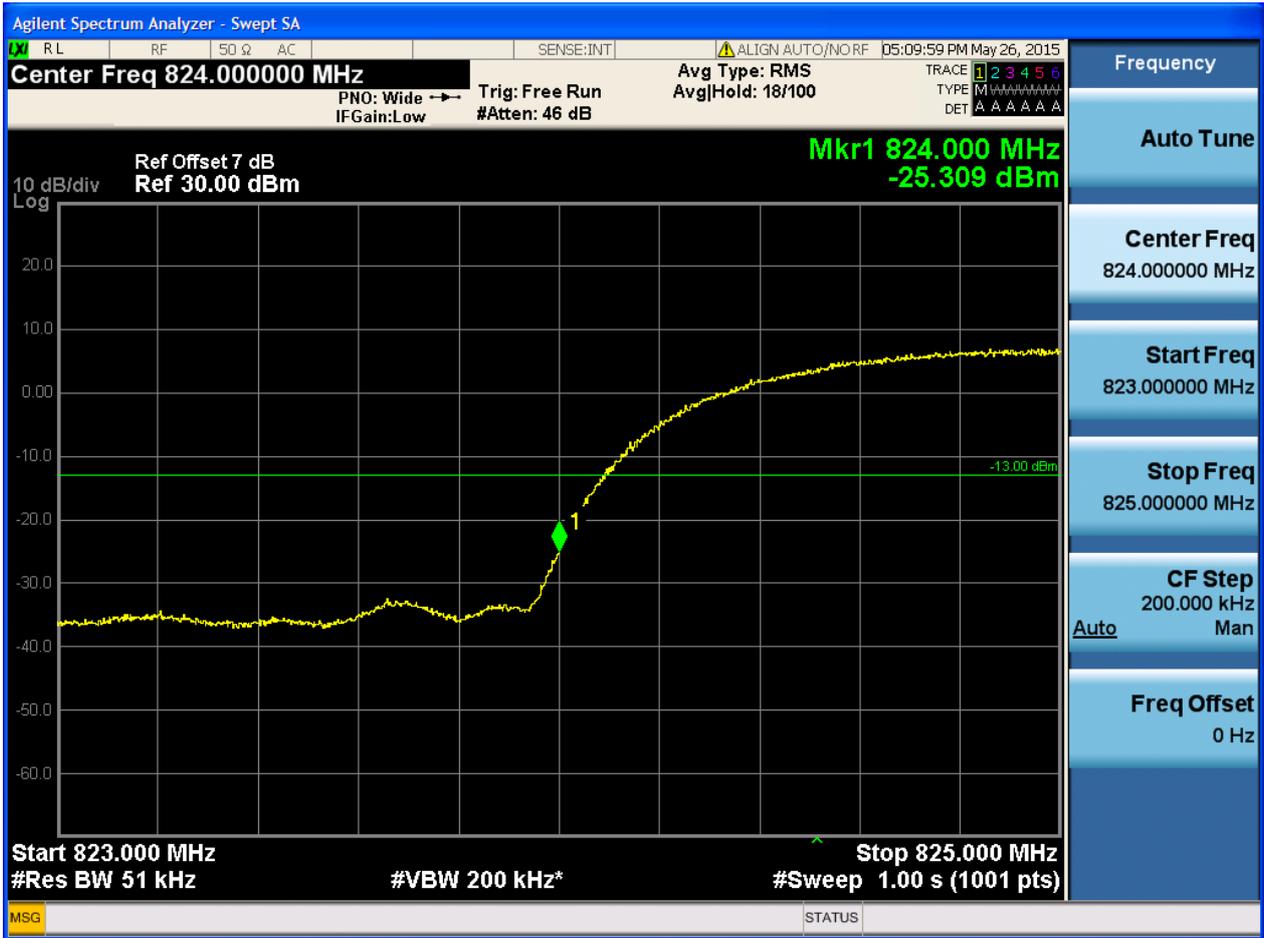


## 5.2 For UMTS

### 5.2.1 Test Band = WCDMA850

#### 5.2.1.1 Test Mode = UMTS/TM1

##### 5.2.1.1.1 Test Channel = LCH



5.2.1.1.2 Test Channel = HCH



5.2.2 Test Band = WCDMA1900

5.2.2.1 Test Mode = UMTS/TM1

5.2.2.1.1 Test Channel = LCH



5.2.2.1.2 Test Channel = HCH





5.2.3 Test Band = WCDMA1700

5.2.3.1 Test Mode = UMTS/TM1

5.2.3.1.1 Test Channel = LCH



5.2.3.1.2 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

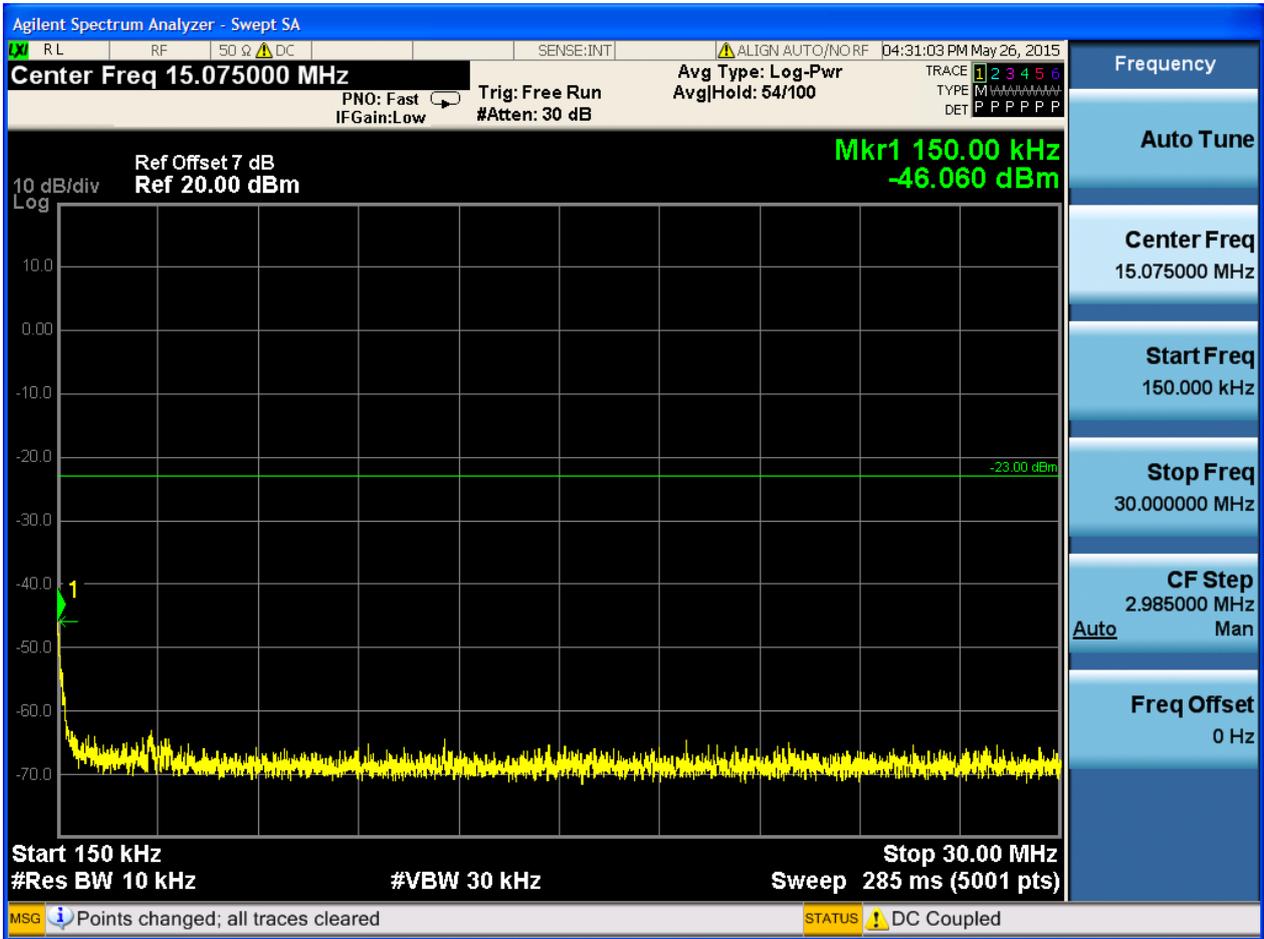
#### 6.1 For GSM

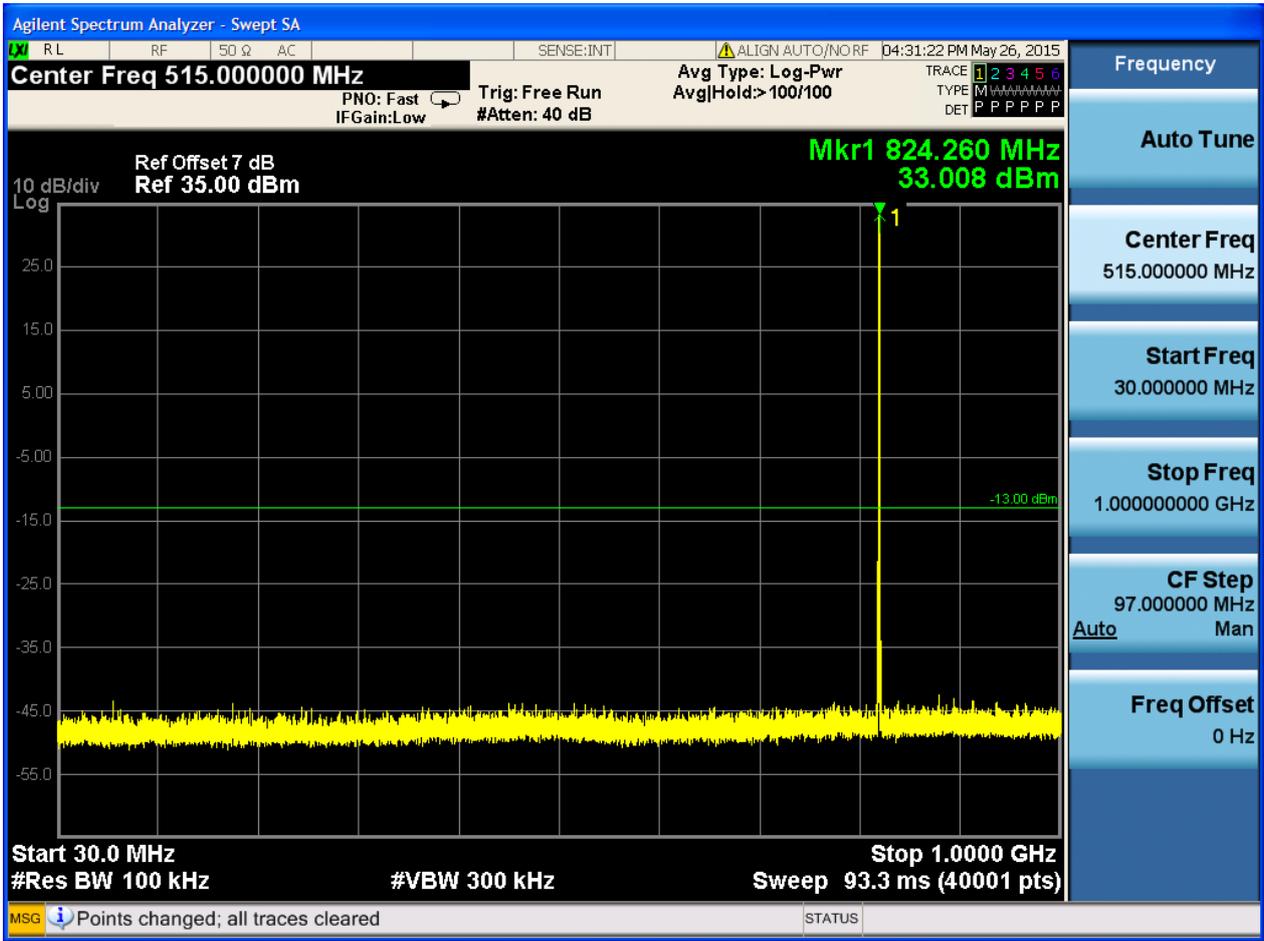
##### 6.1.1 Test Band = GSM850

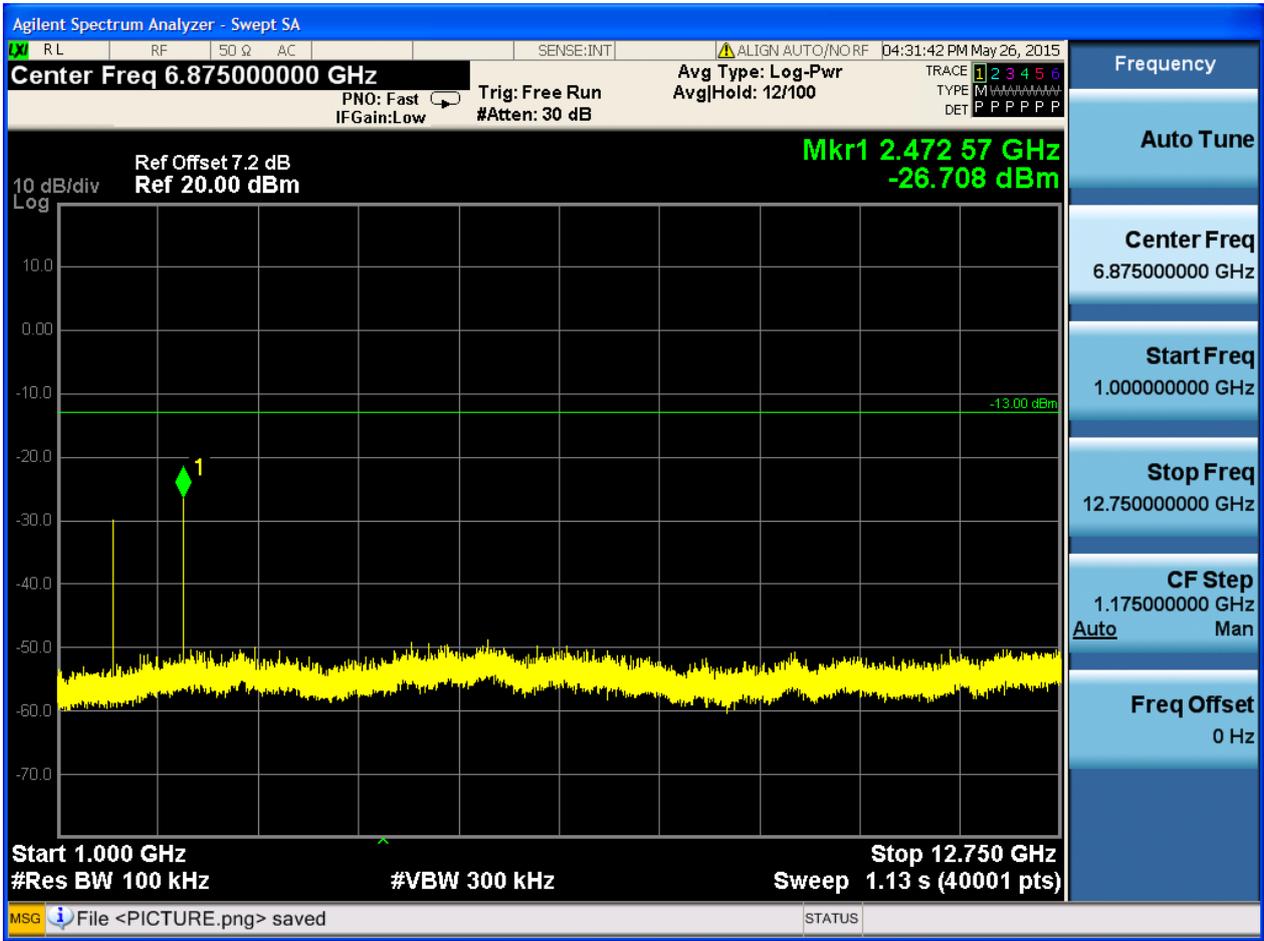
##### 6.1.1.1 Test Mode = GSM/TM1

##### 6.1.1.1.1 Test Channel = LCH



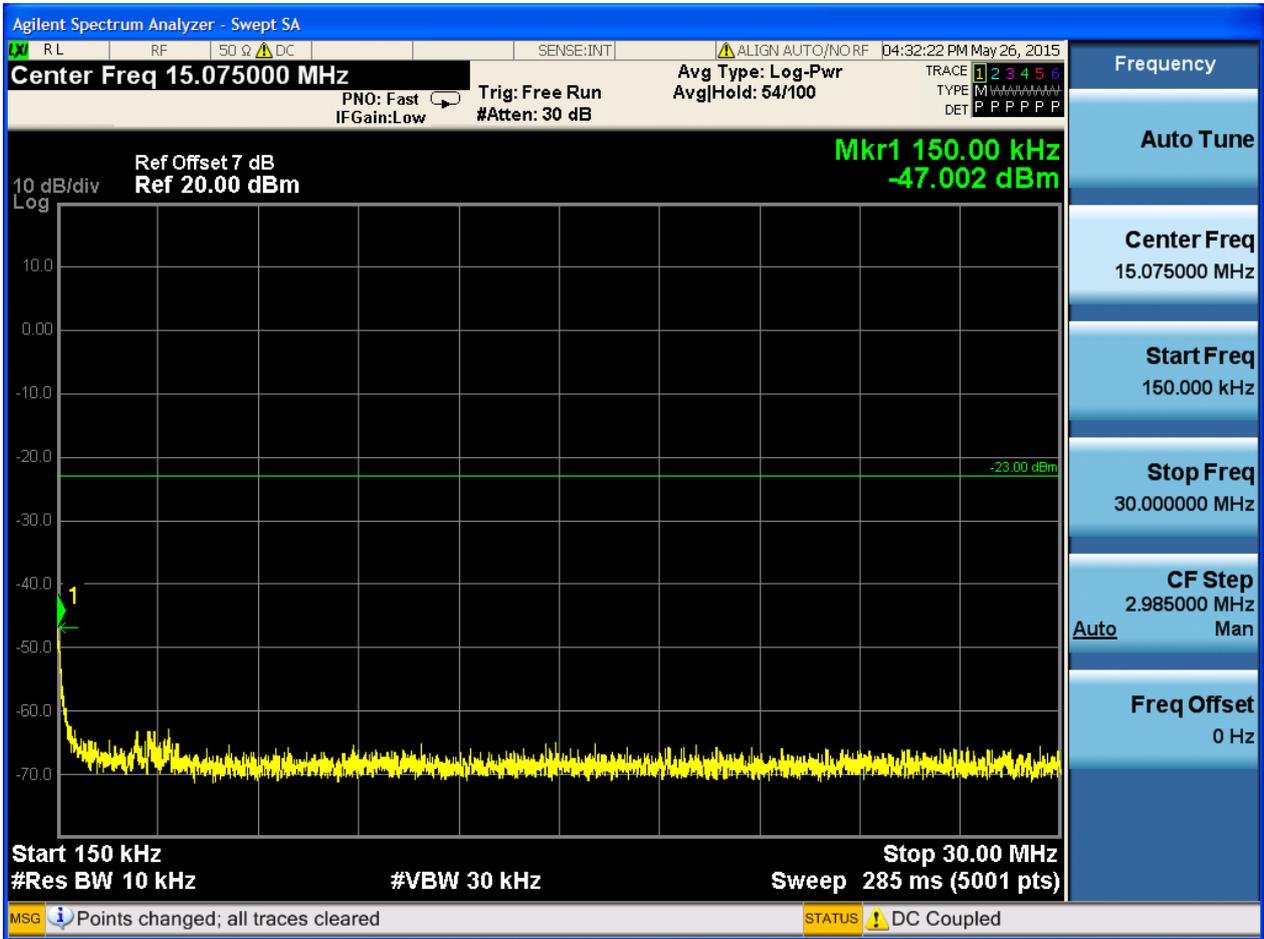


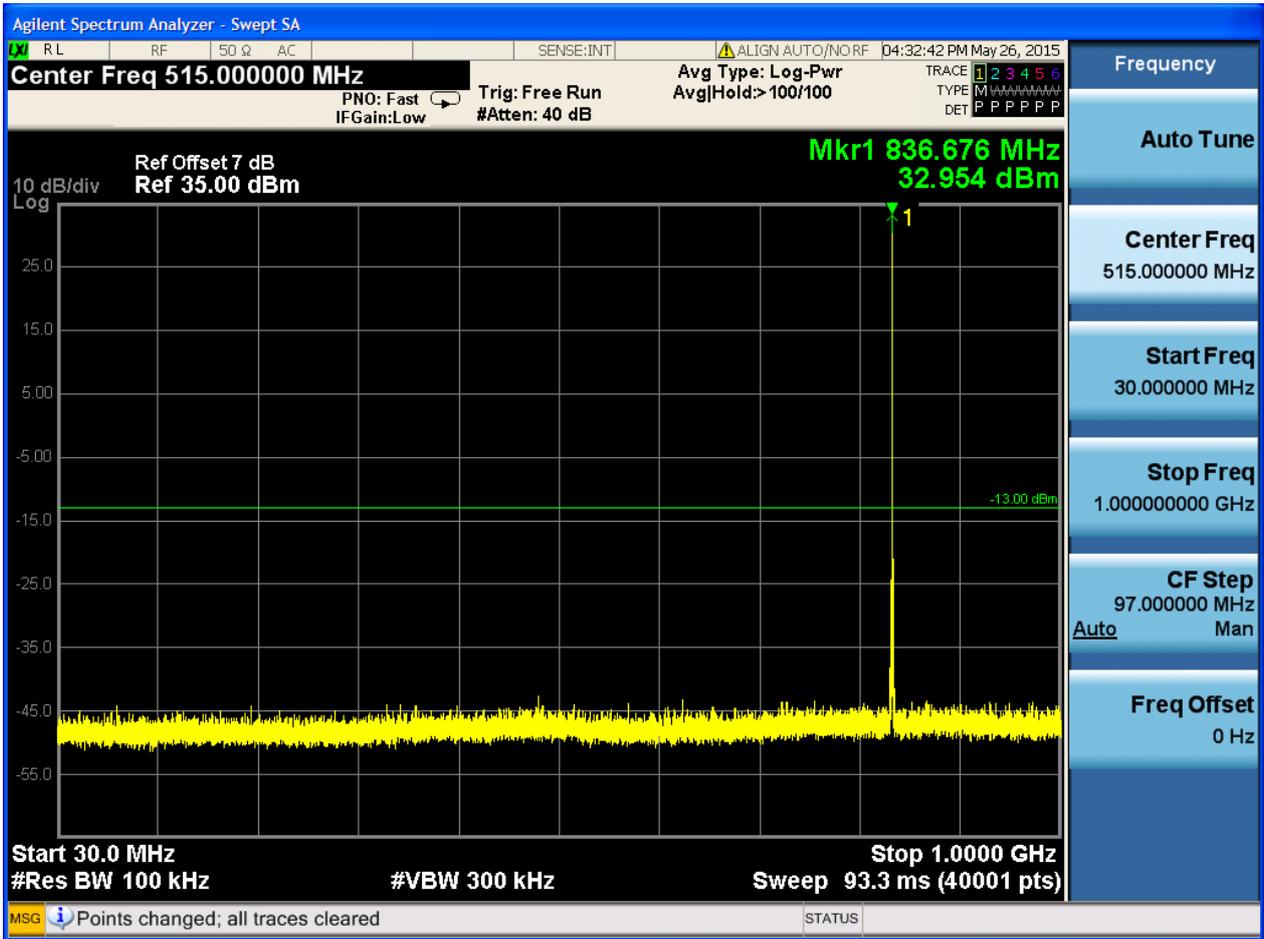


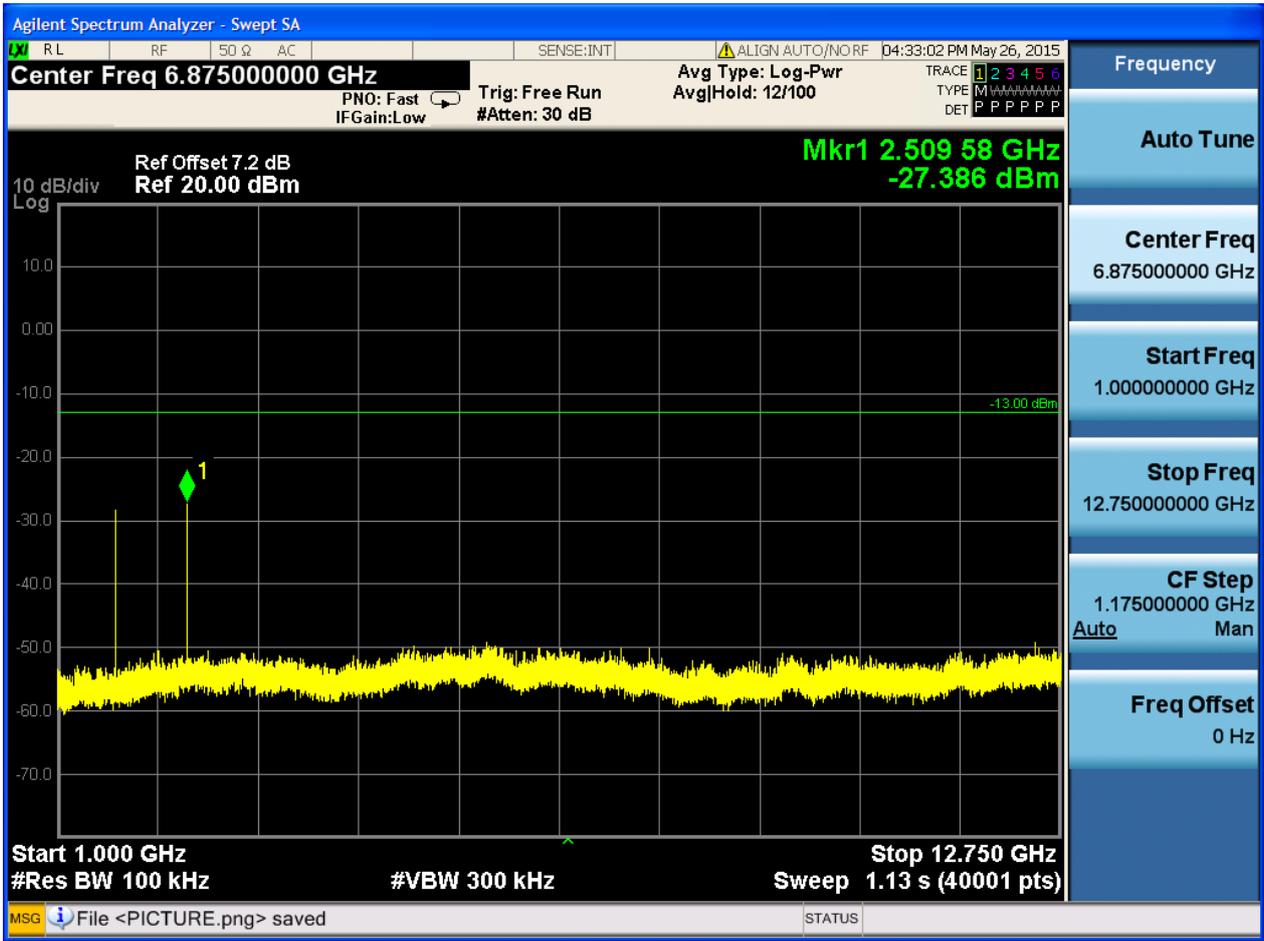


6.1.1.1.2 Test Channel = MCH



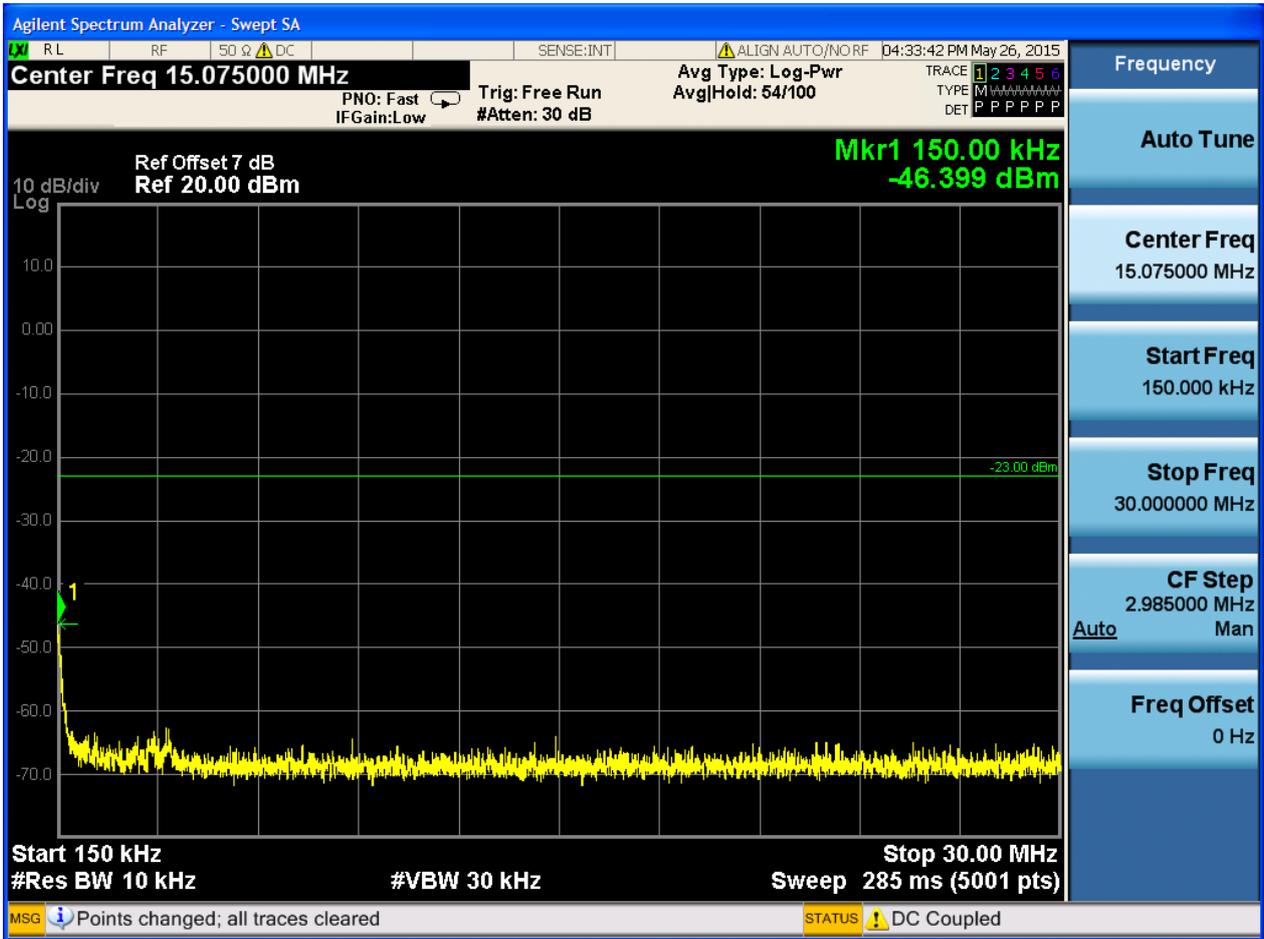


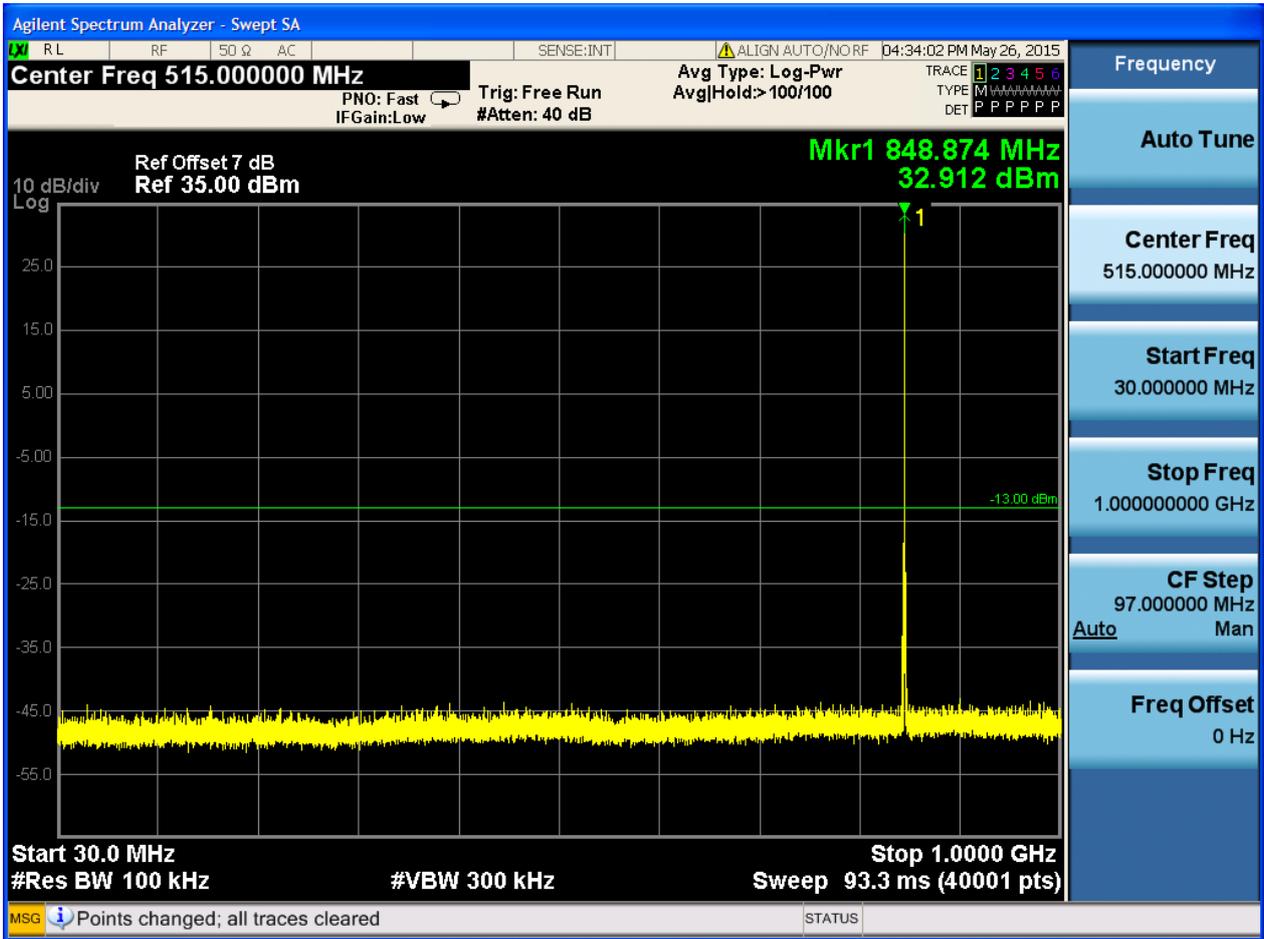


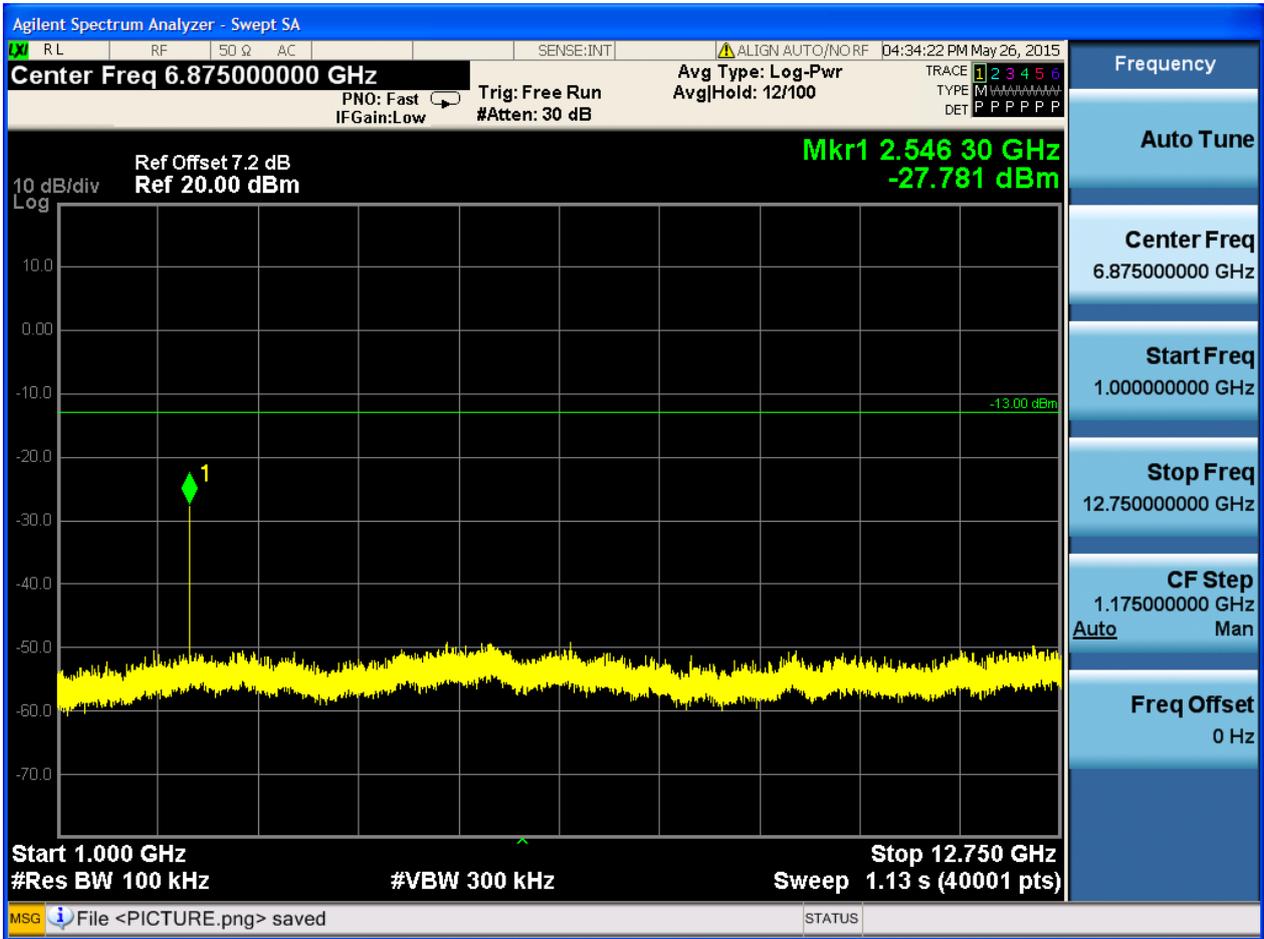


6.1.1.1.3 Test Channel = HCH



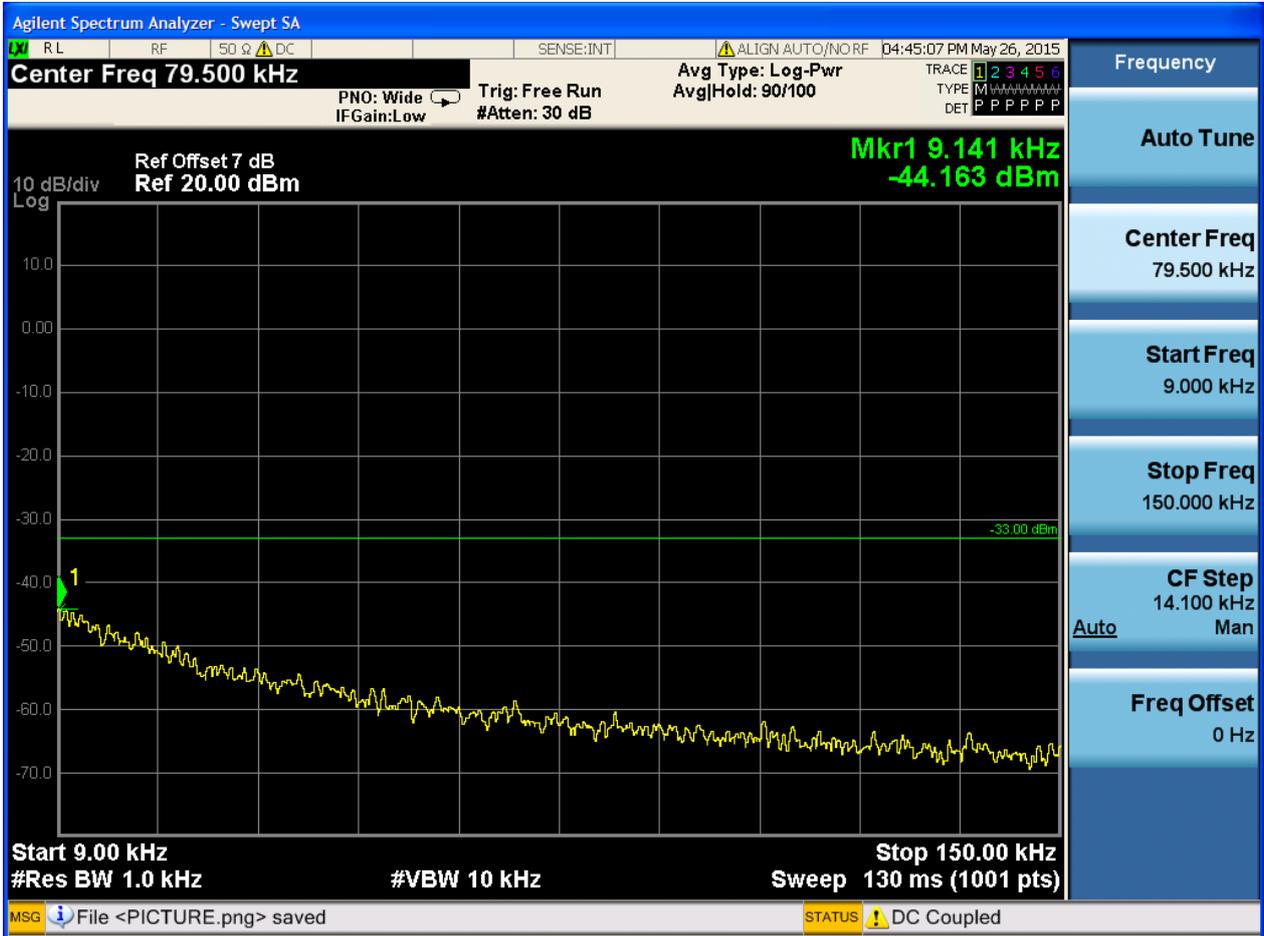


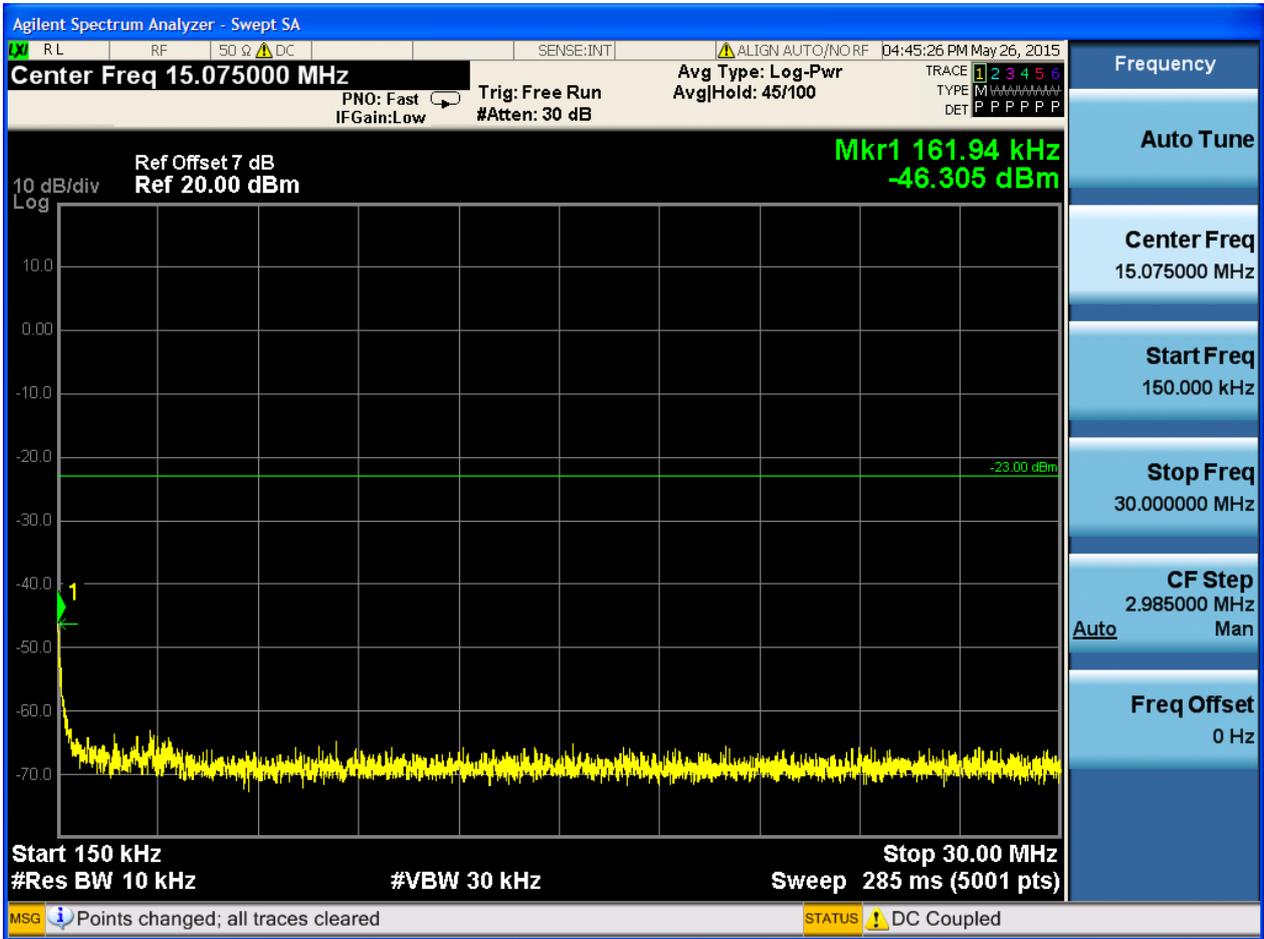


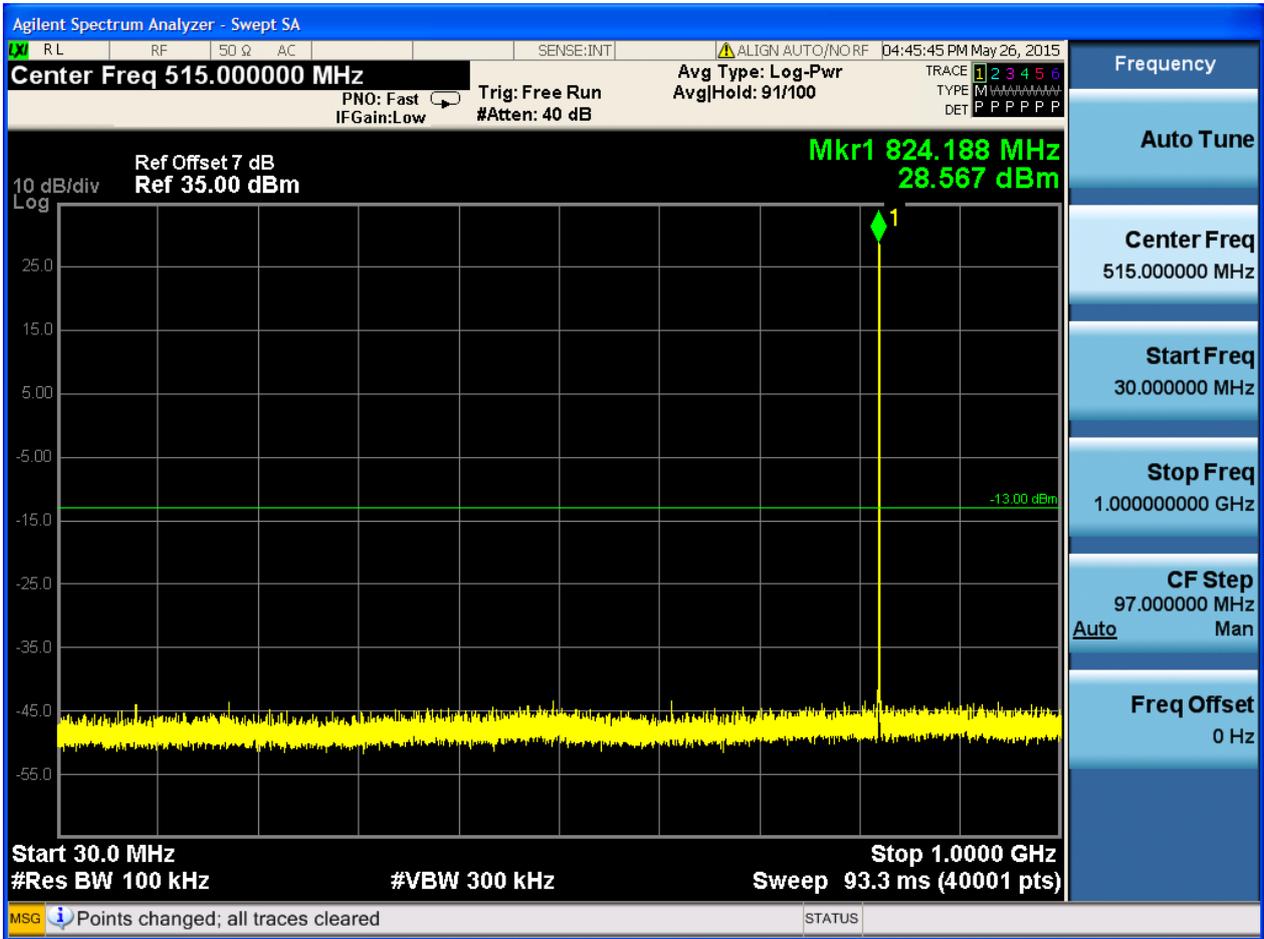


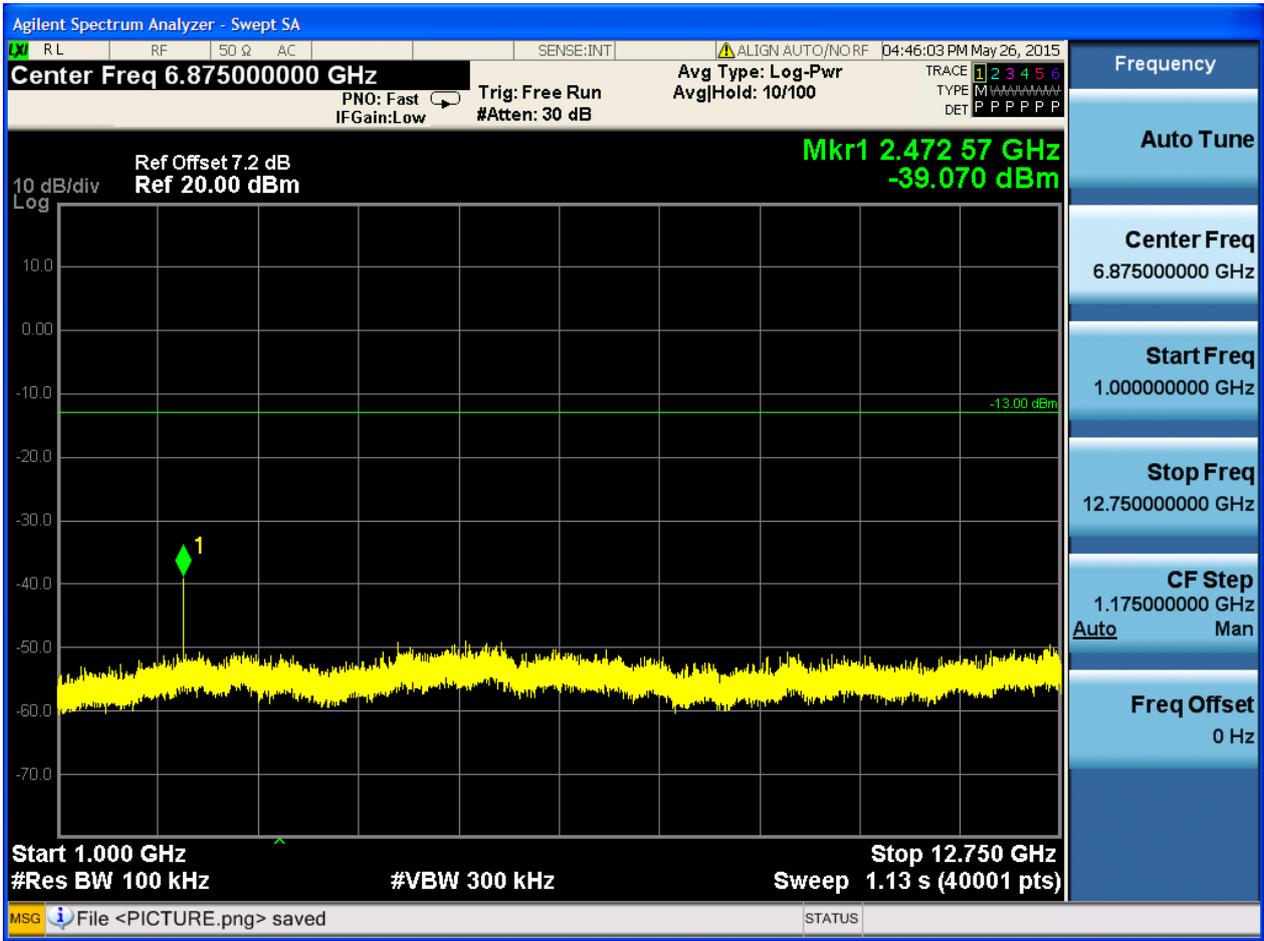
6.1.1.2 Test Mode = GSM/TM2

6.1.1.2.1 Test Channel = LCH



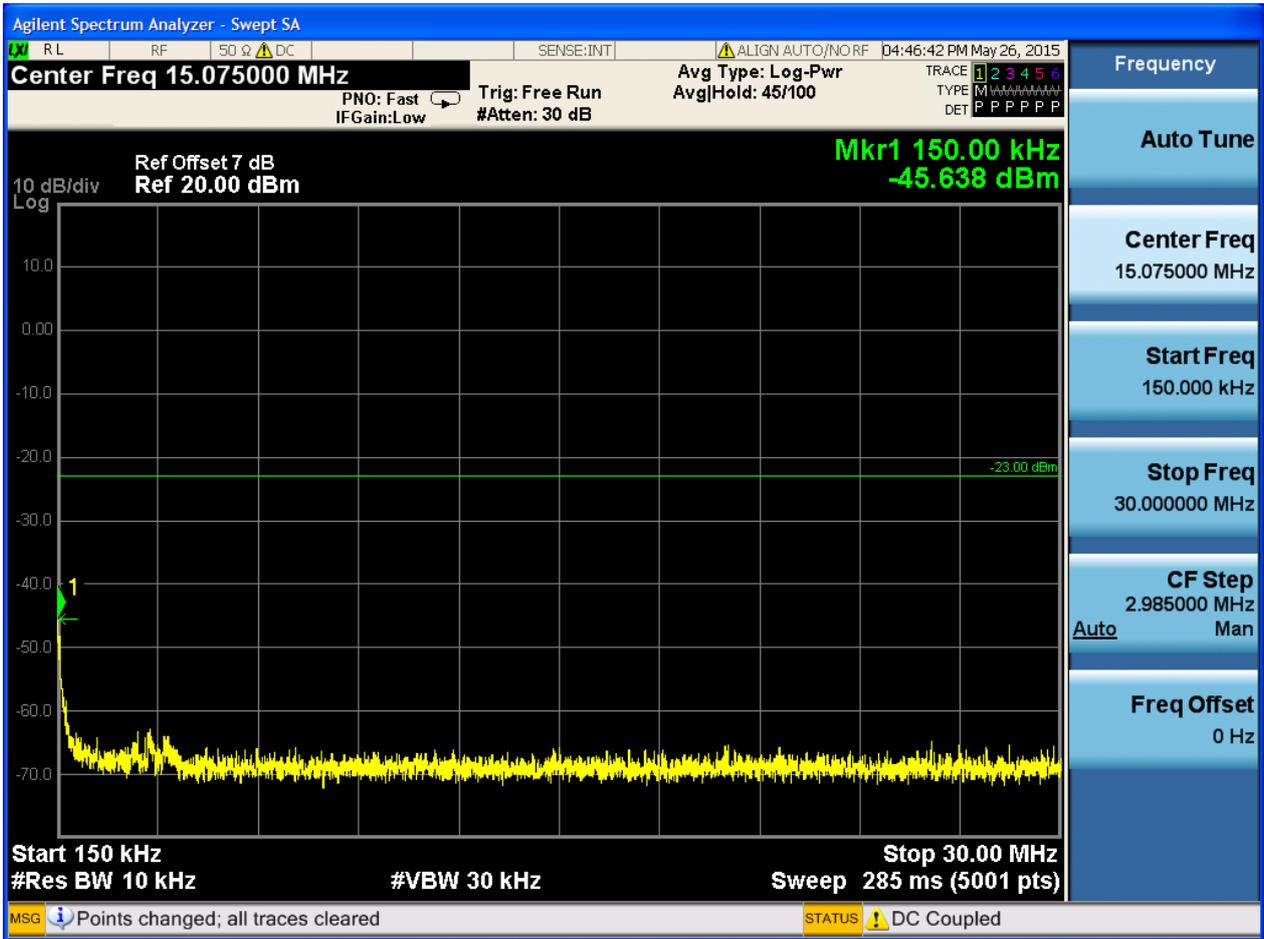


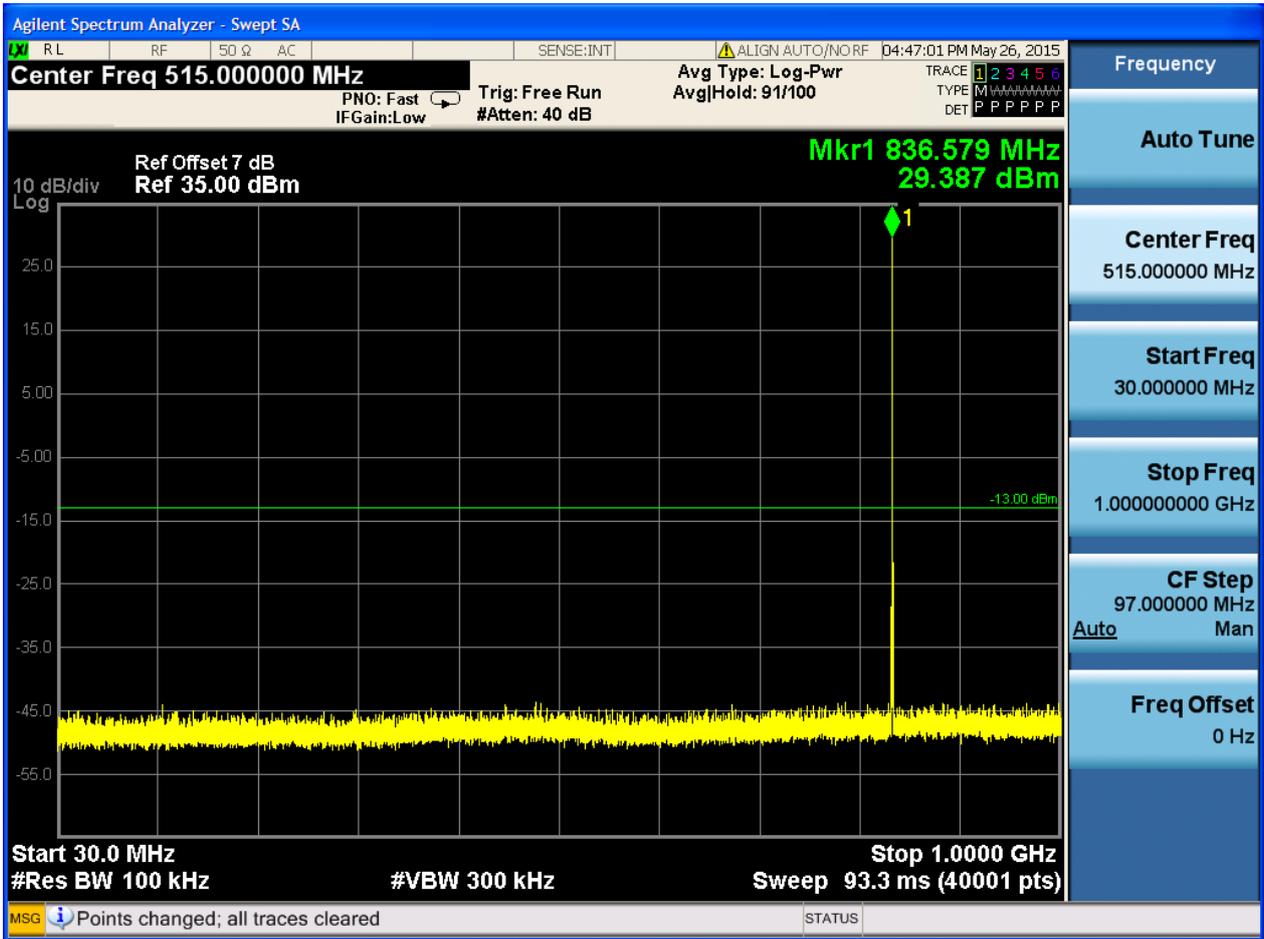


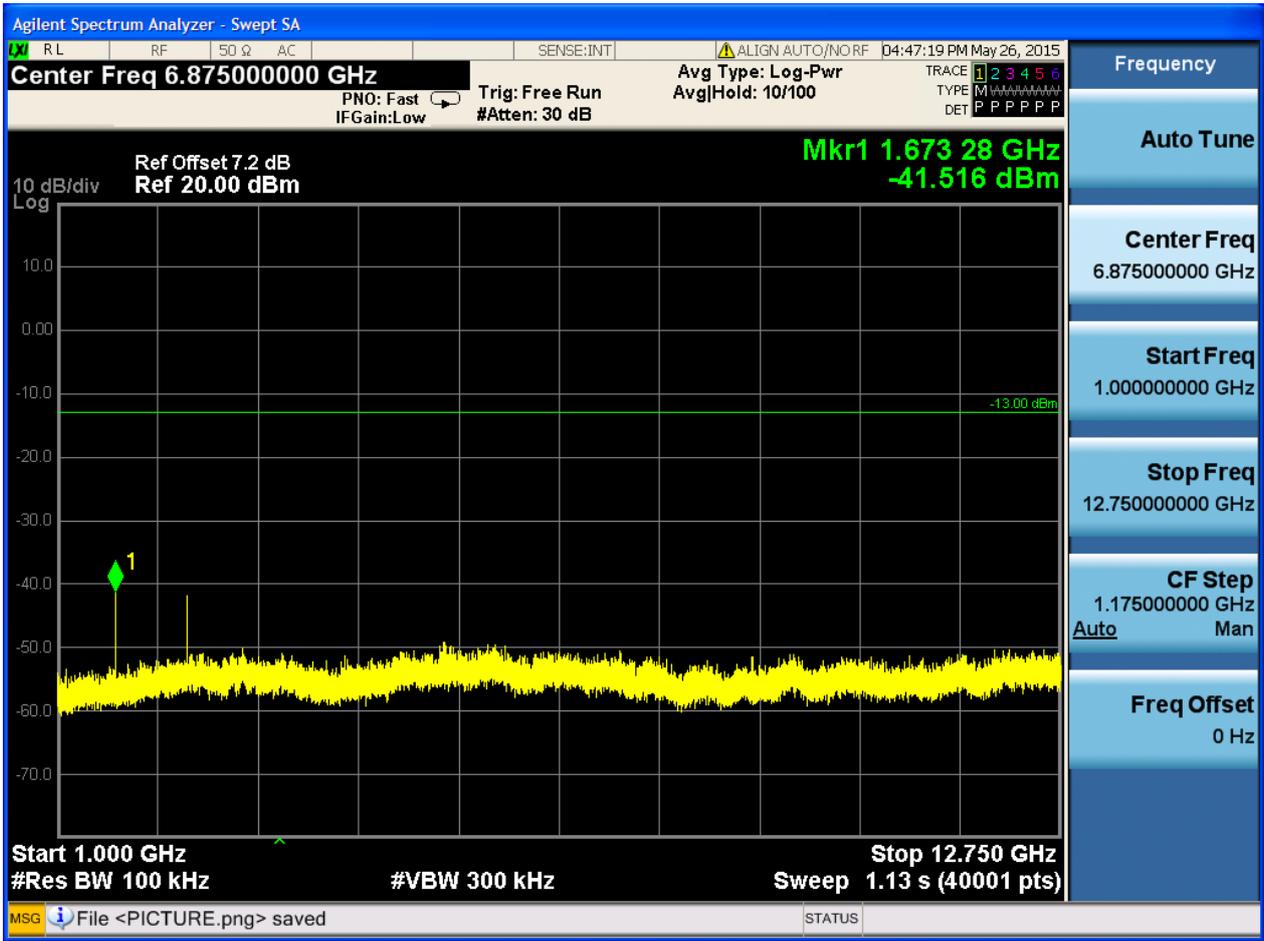


6.1.1.2.2 Test Channel = MCH



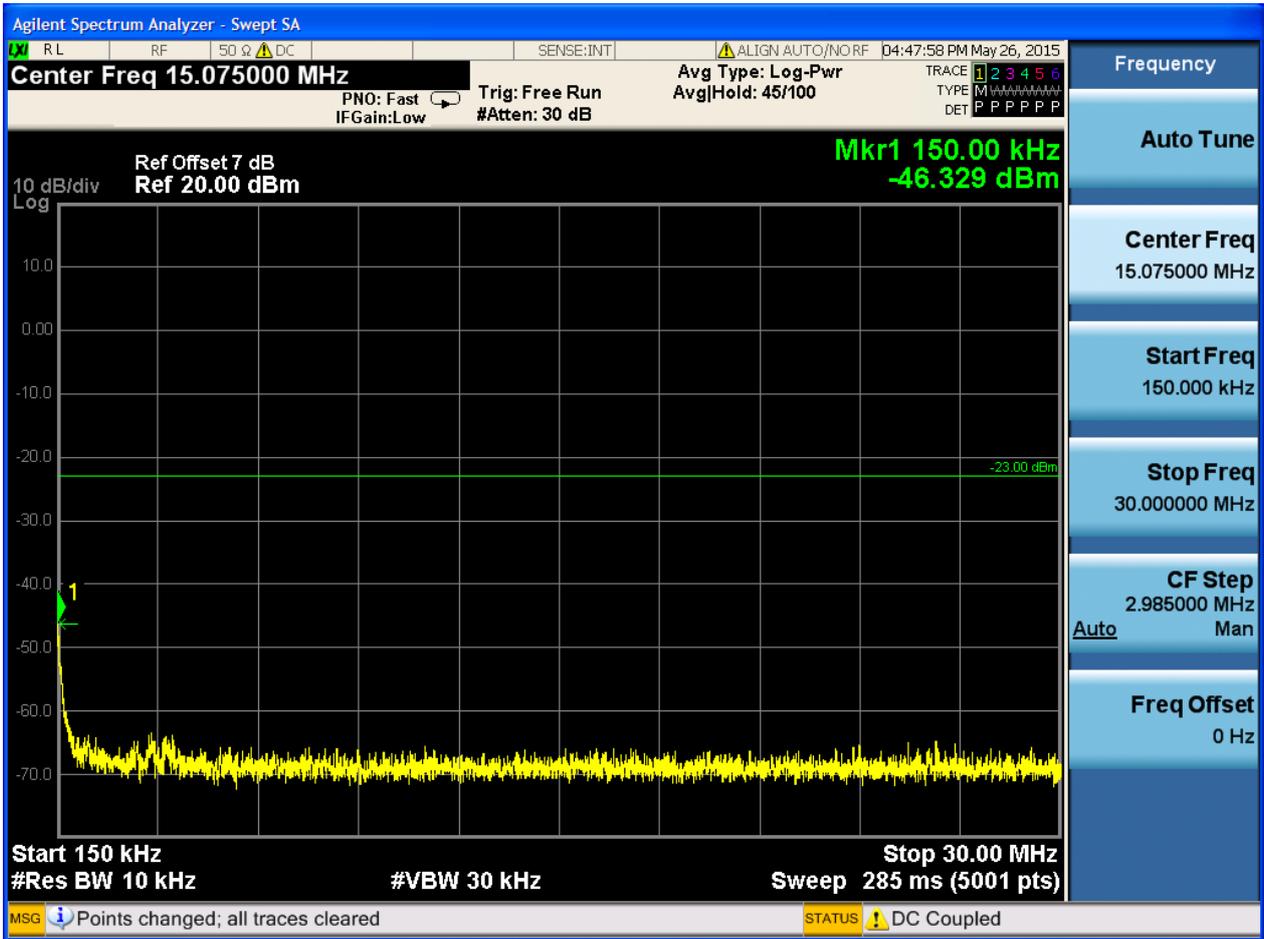


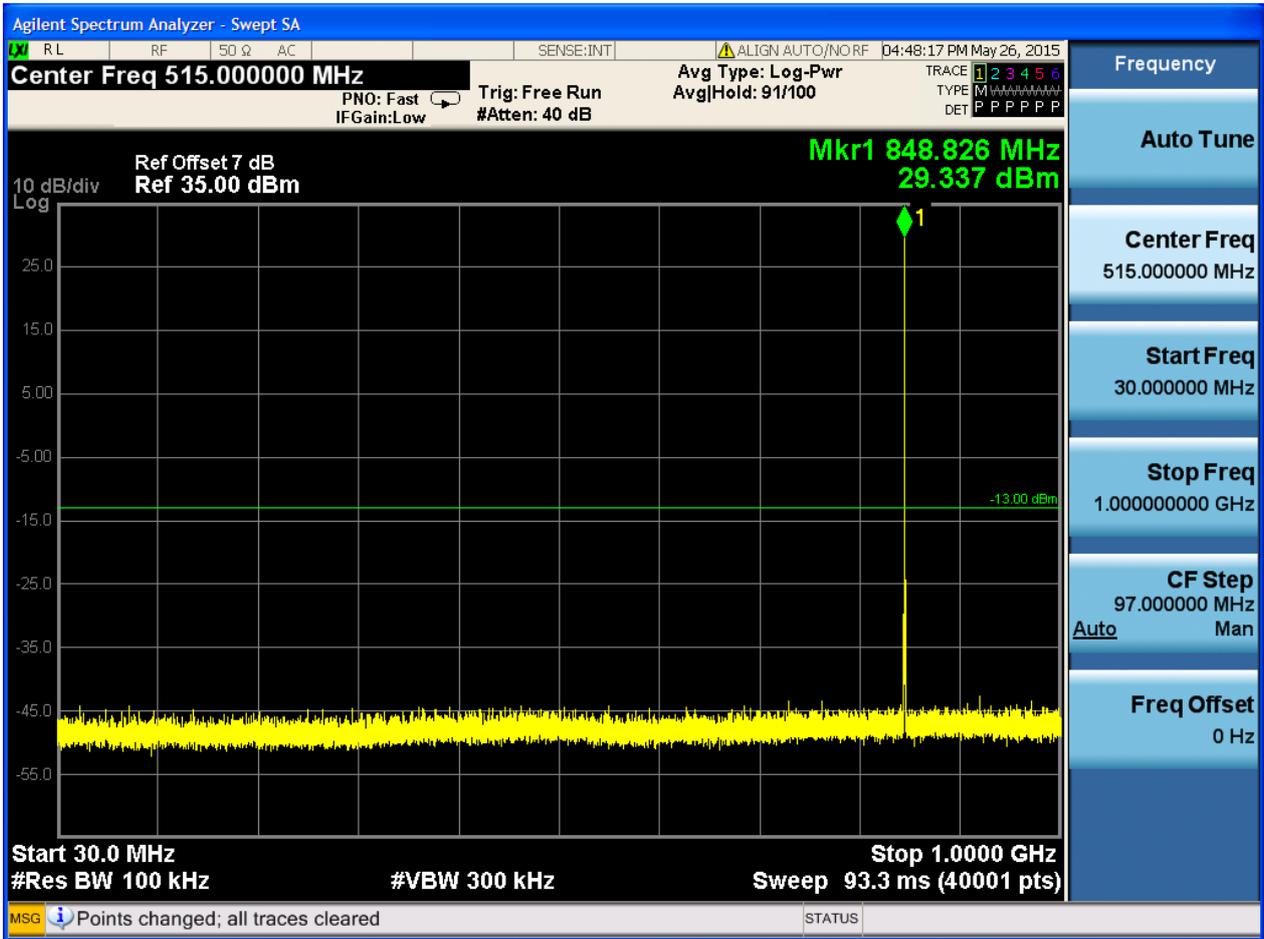


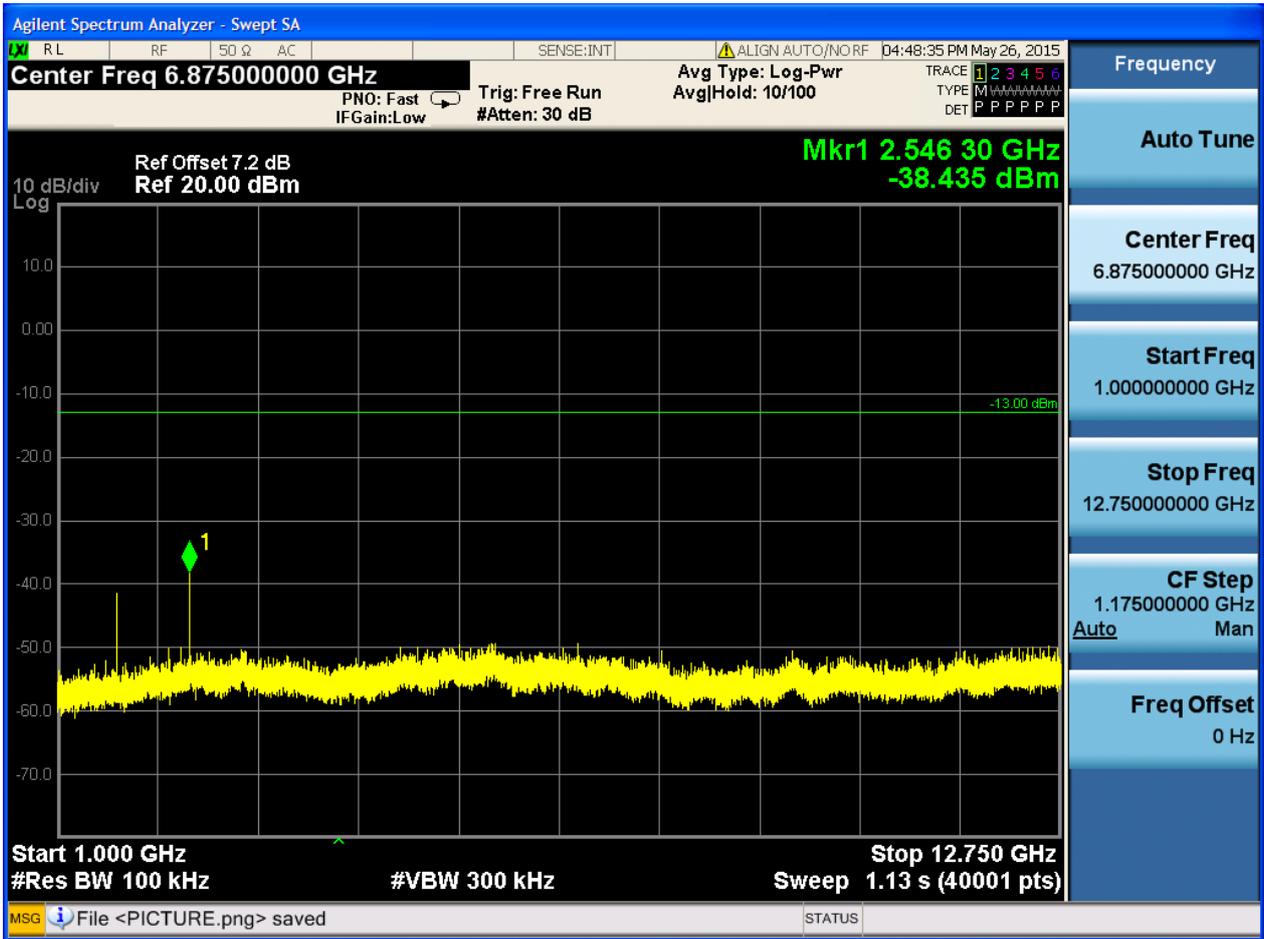


6.1.1.2.3 Test Channel = HCH







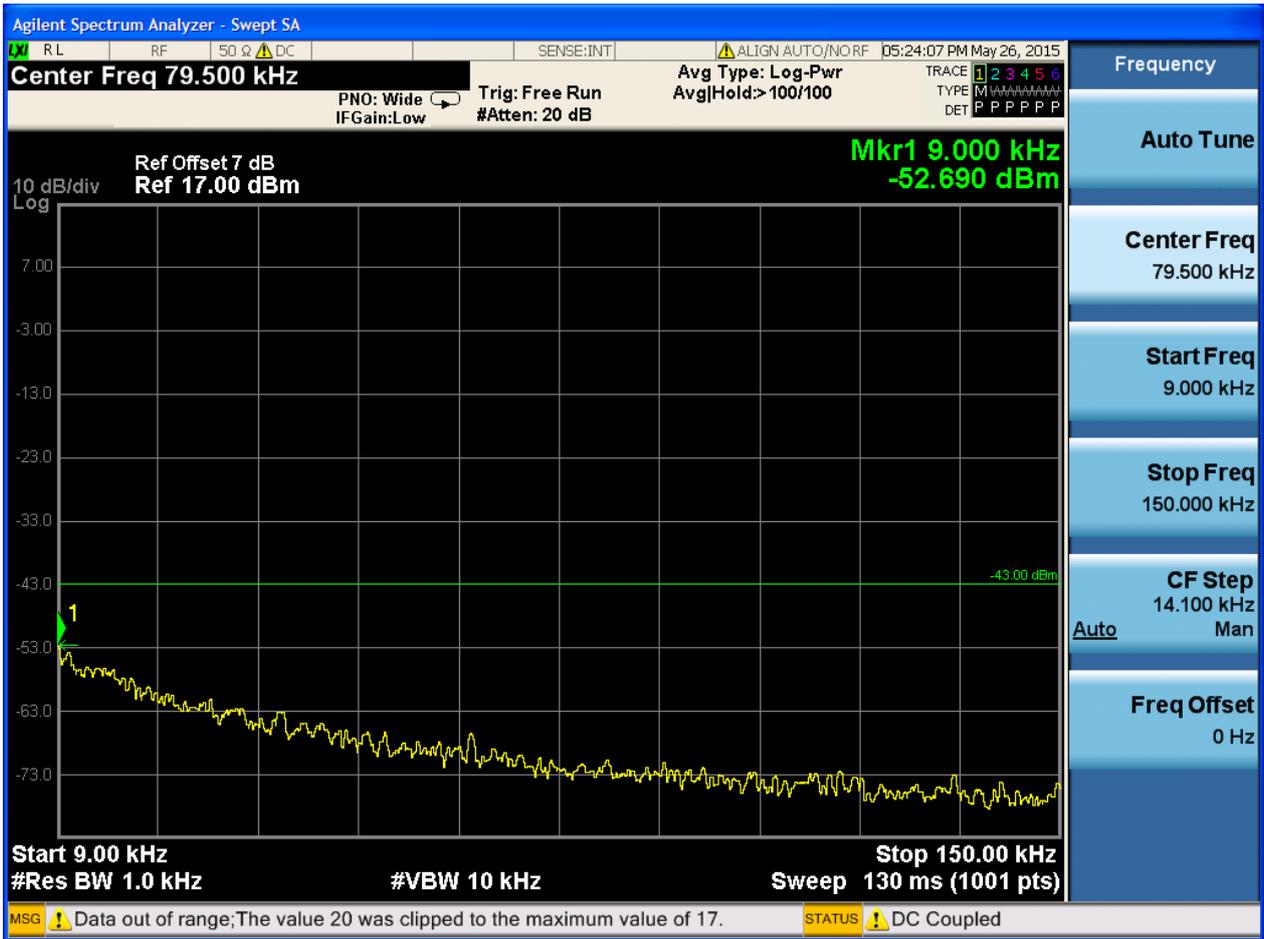


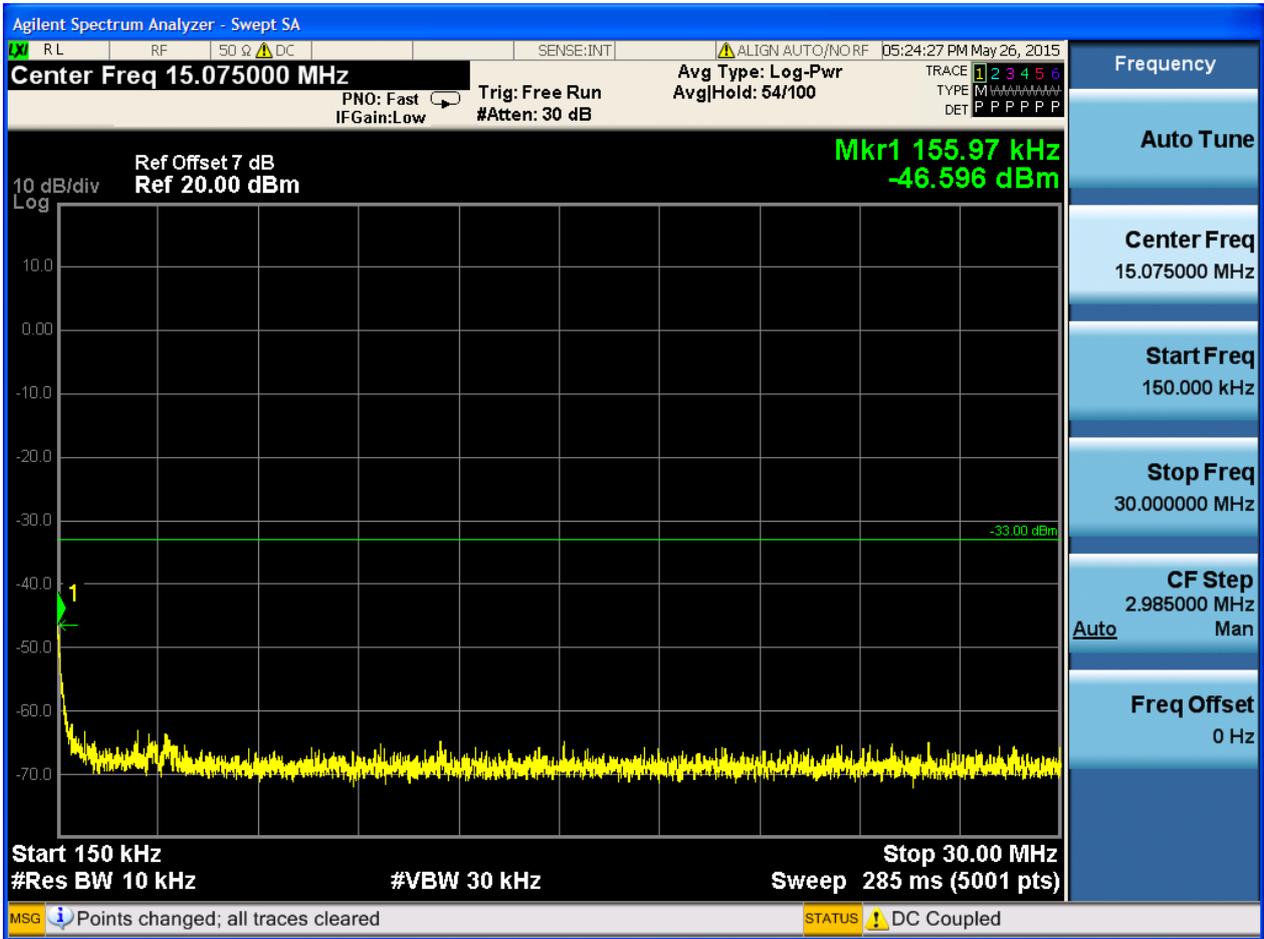


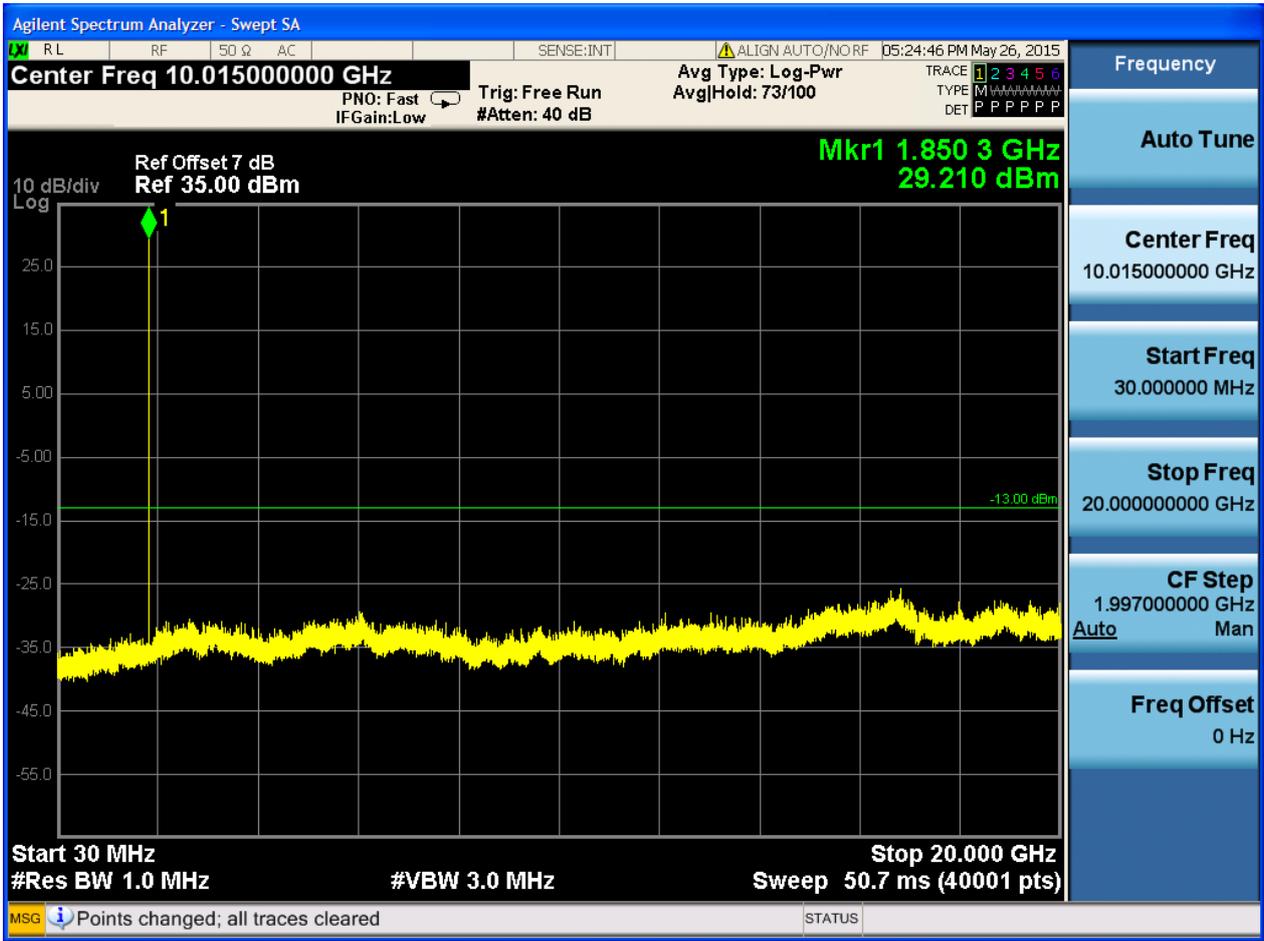
6.1.2 Test Band = GSM1900

6.1.2.1 Test Mode = GSM/TM1

6.1.2.1.1 Test Channel = LCH

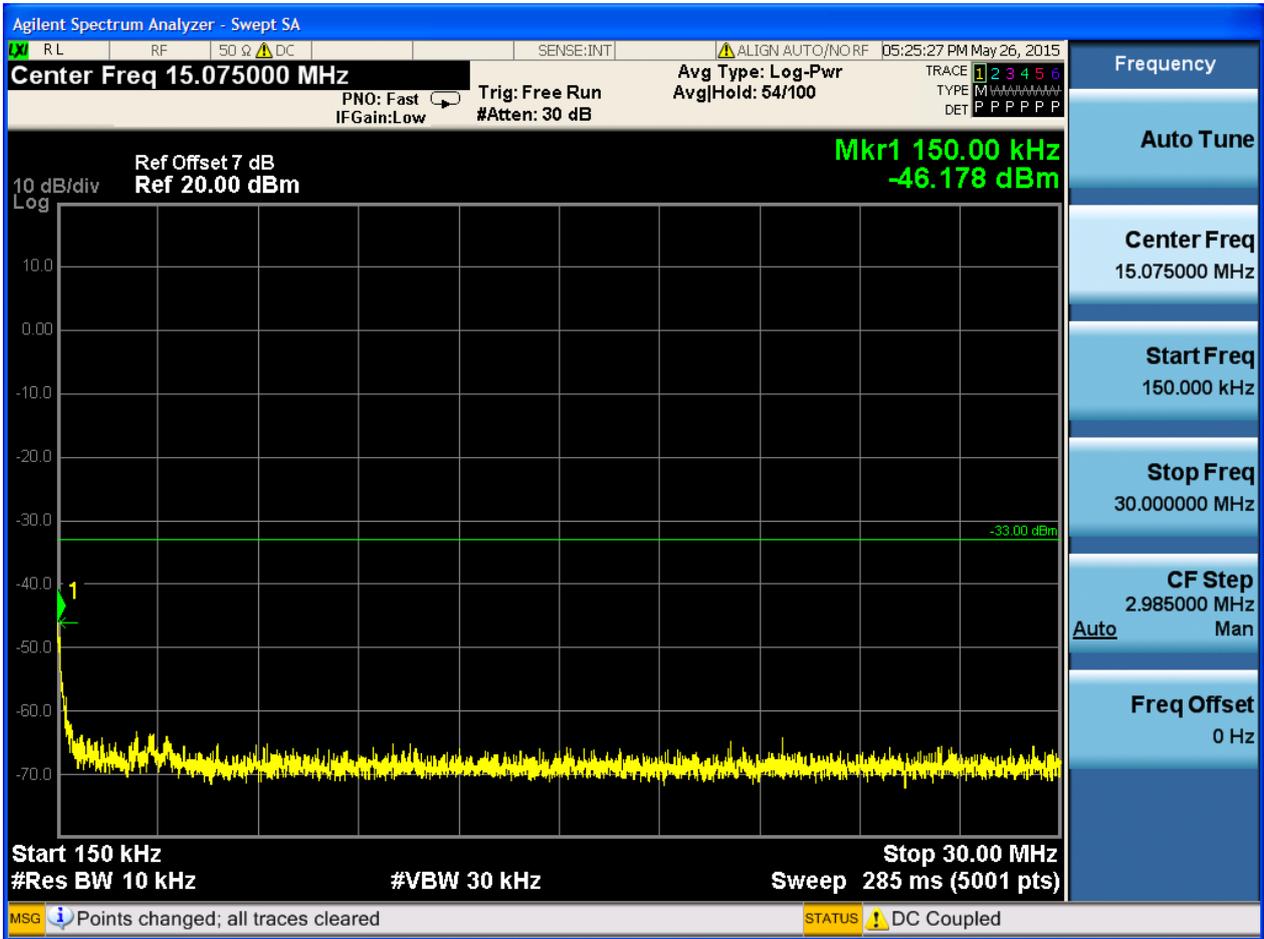


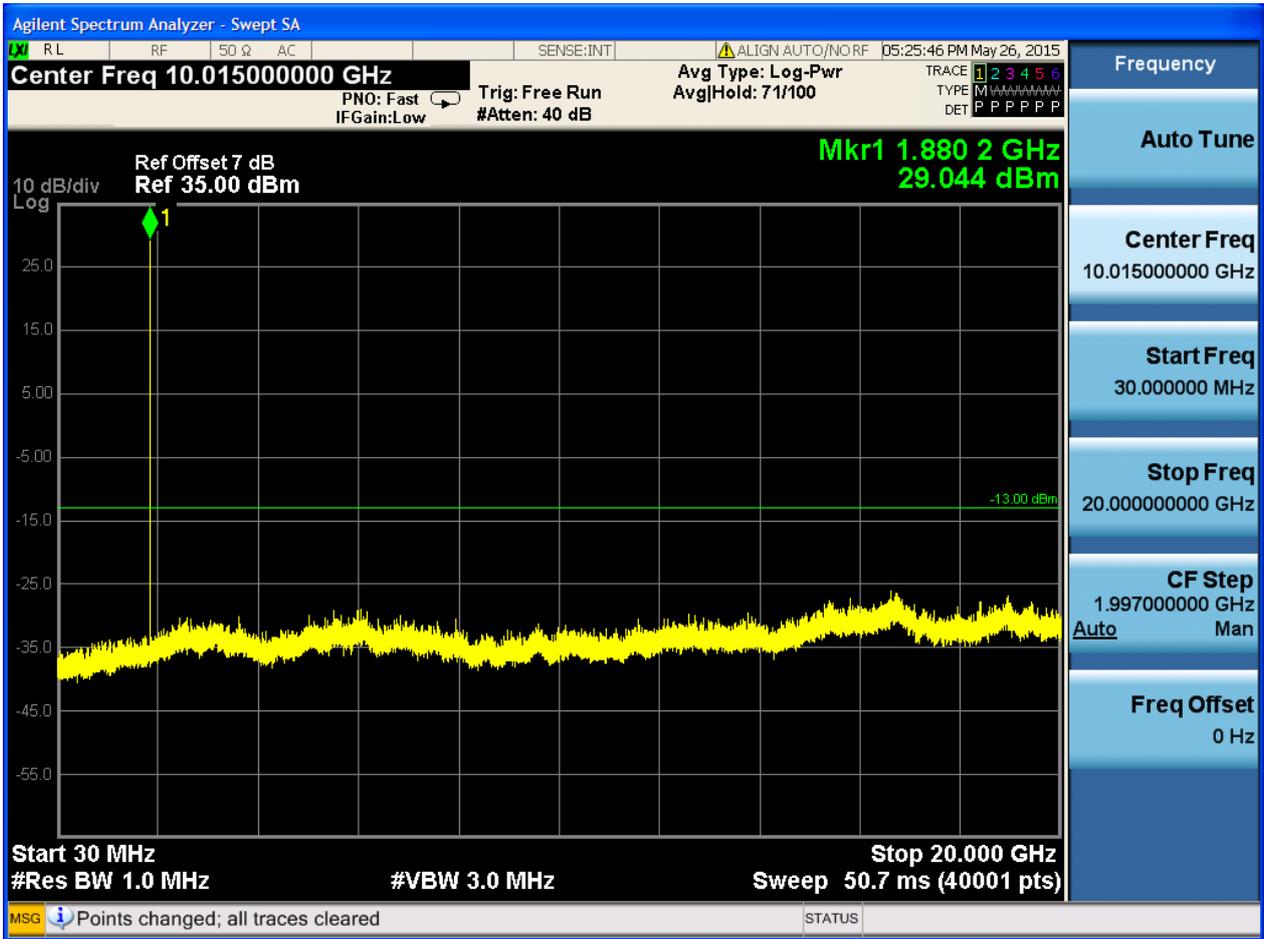




6.1.2.1.2 Test Channel = MCH

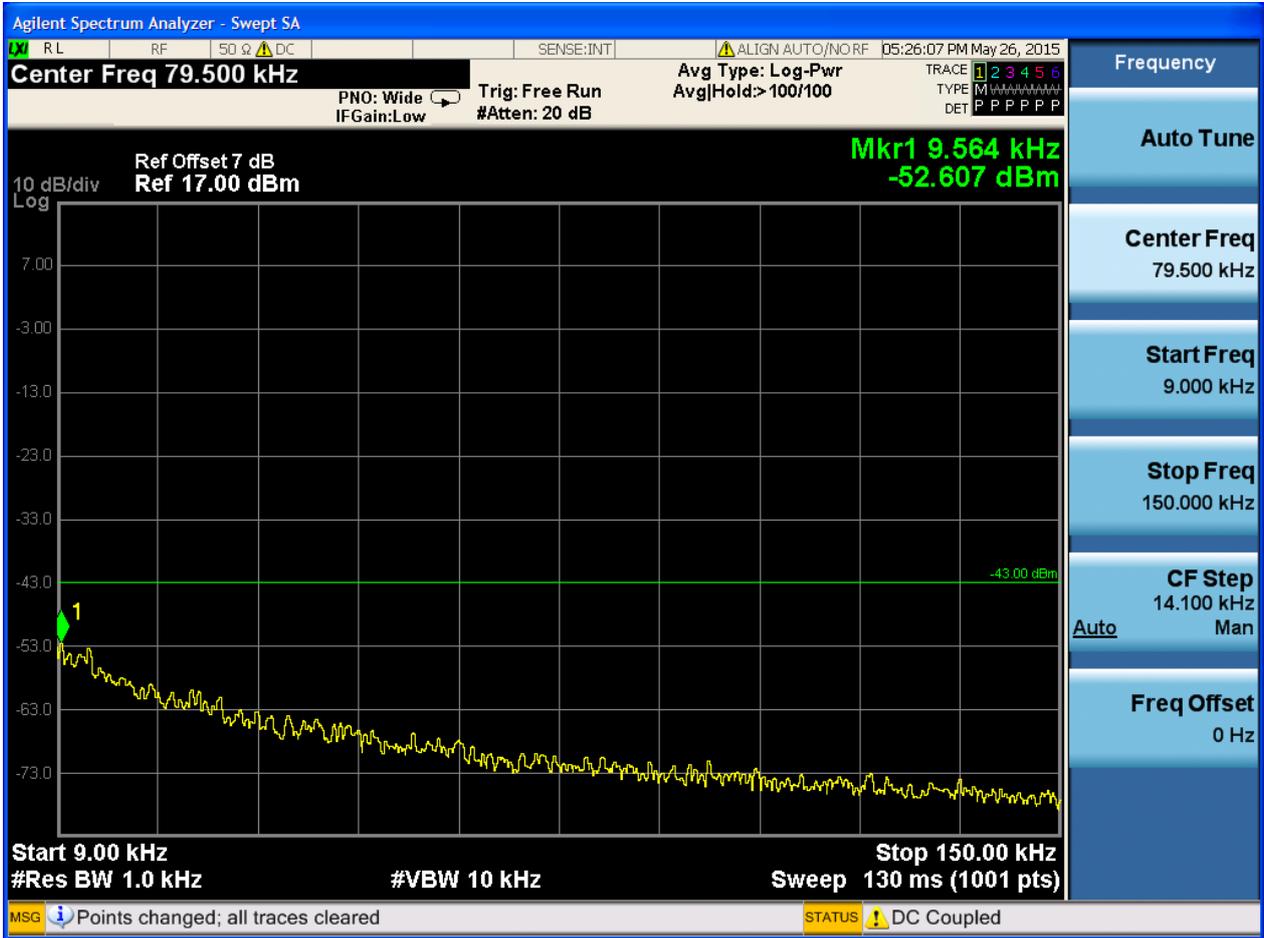


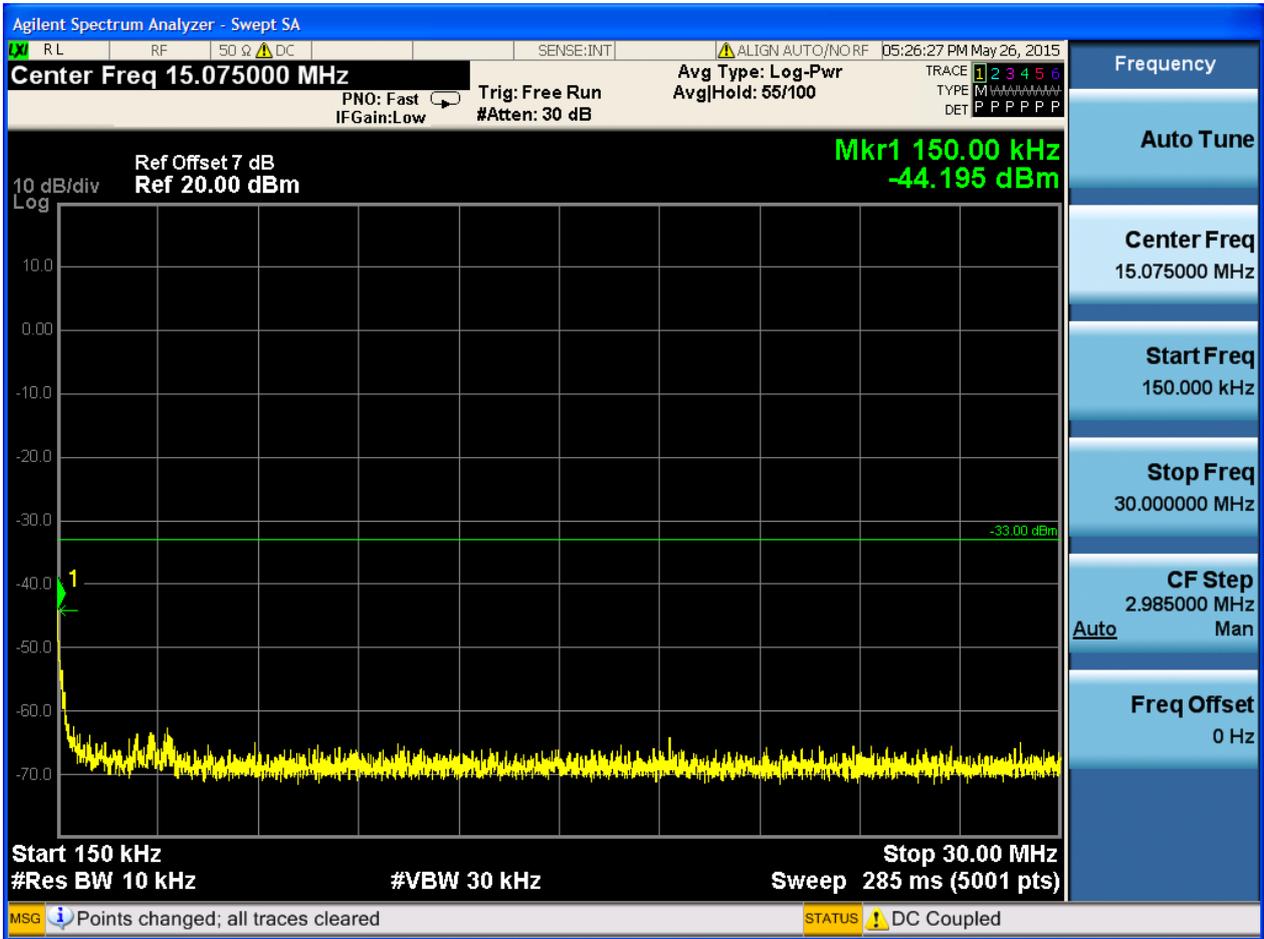


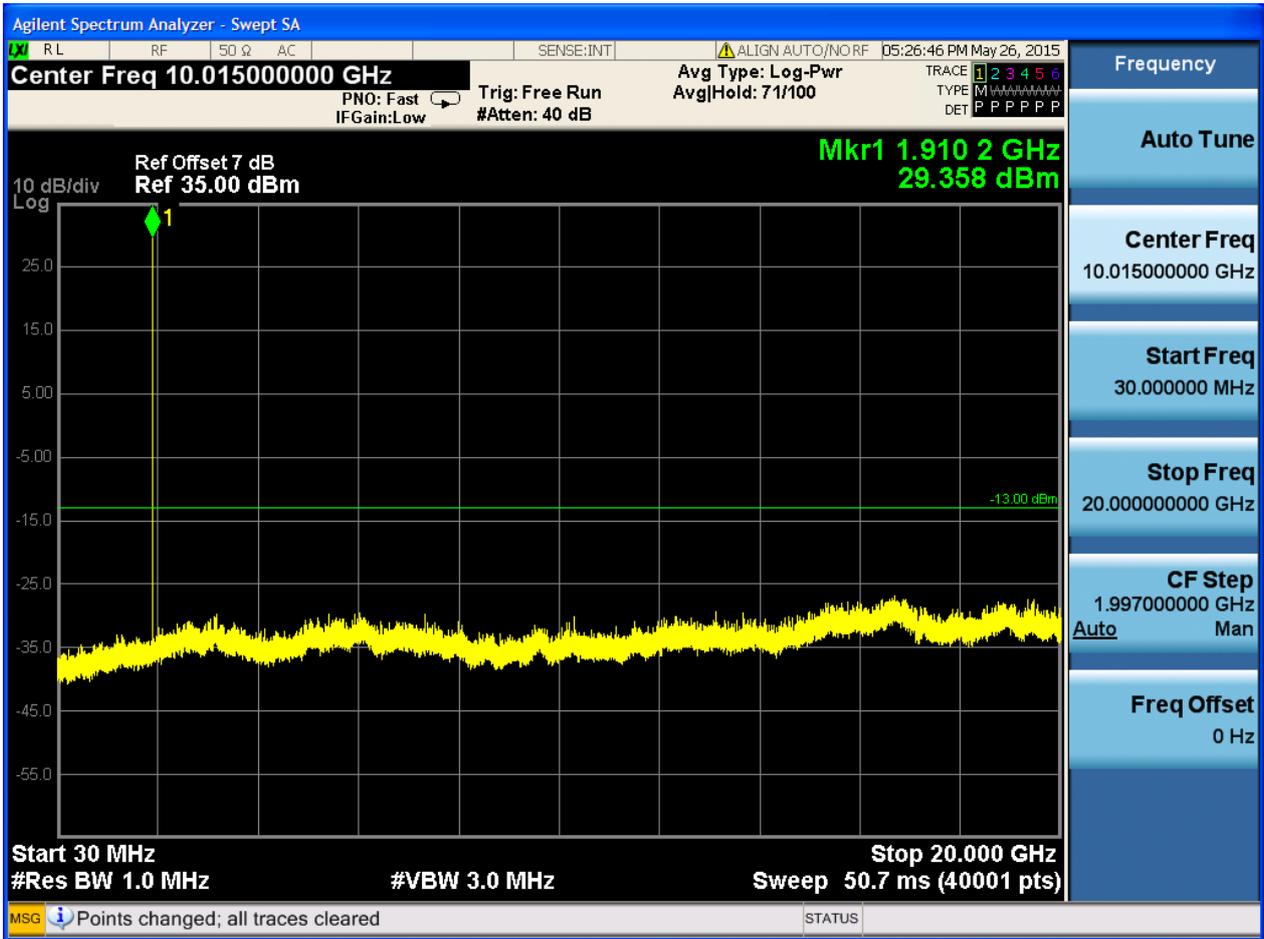




6.1.2.1.3 Test Channel = HCH

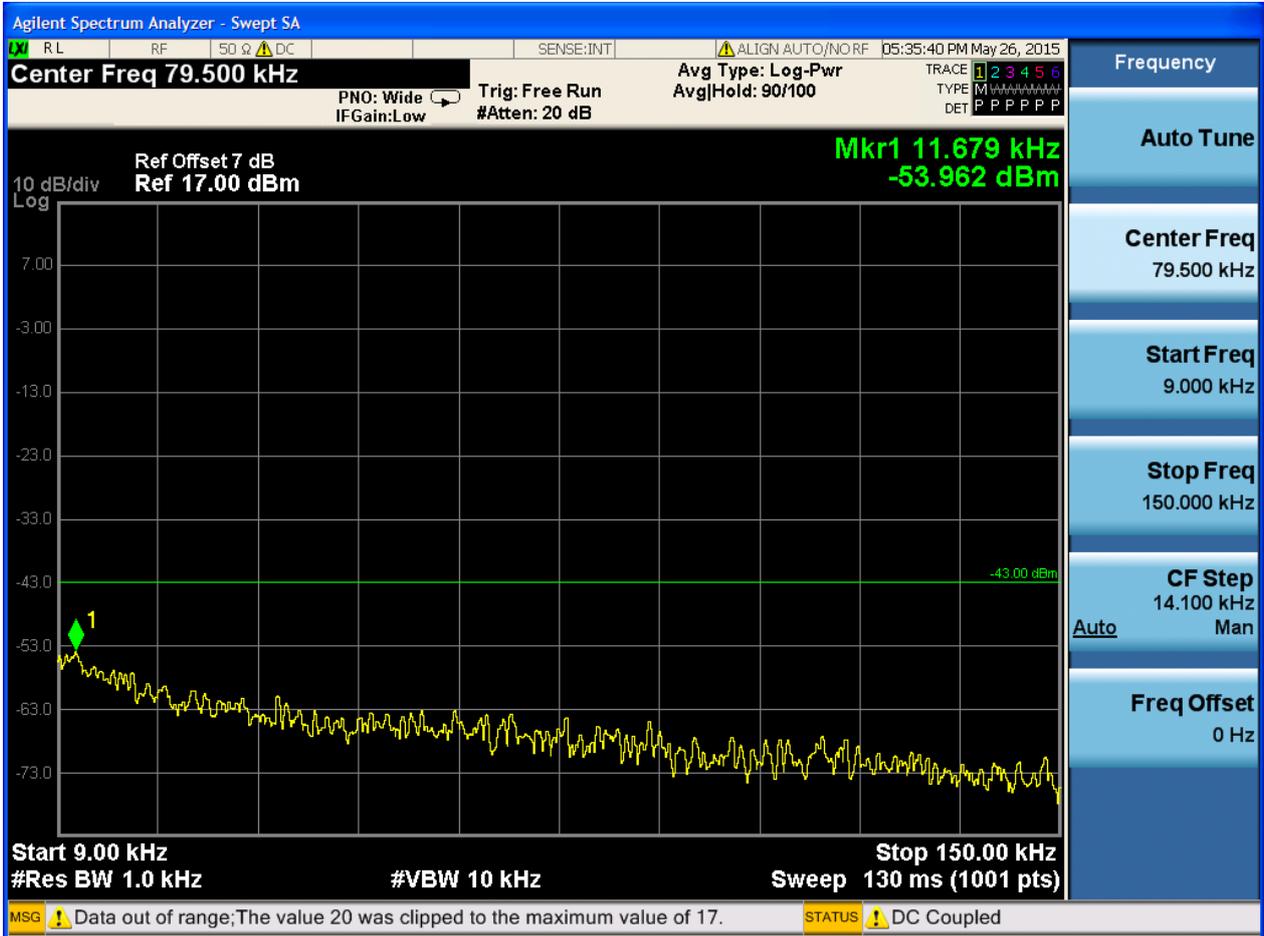


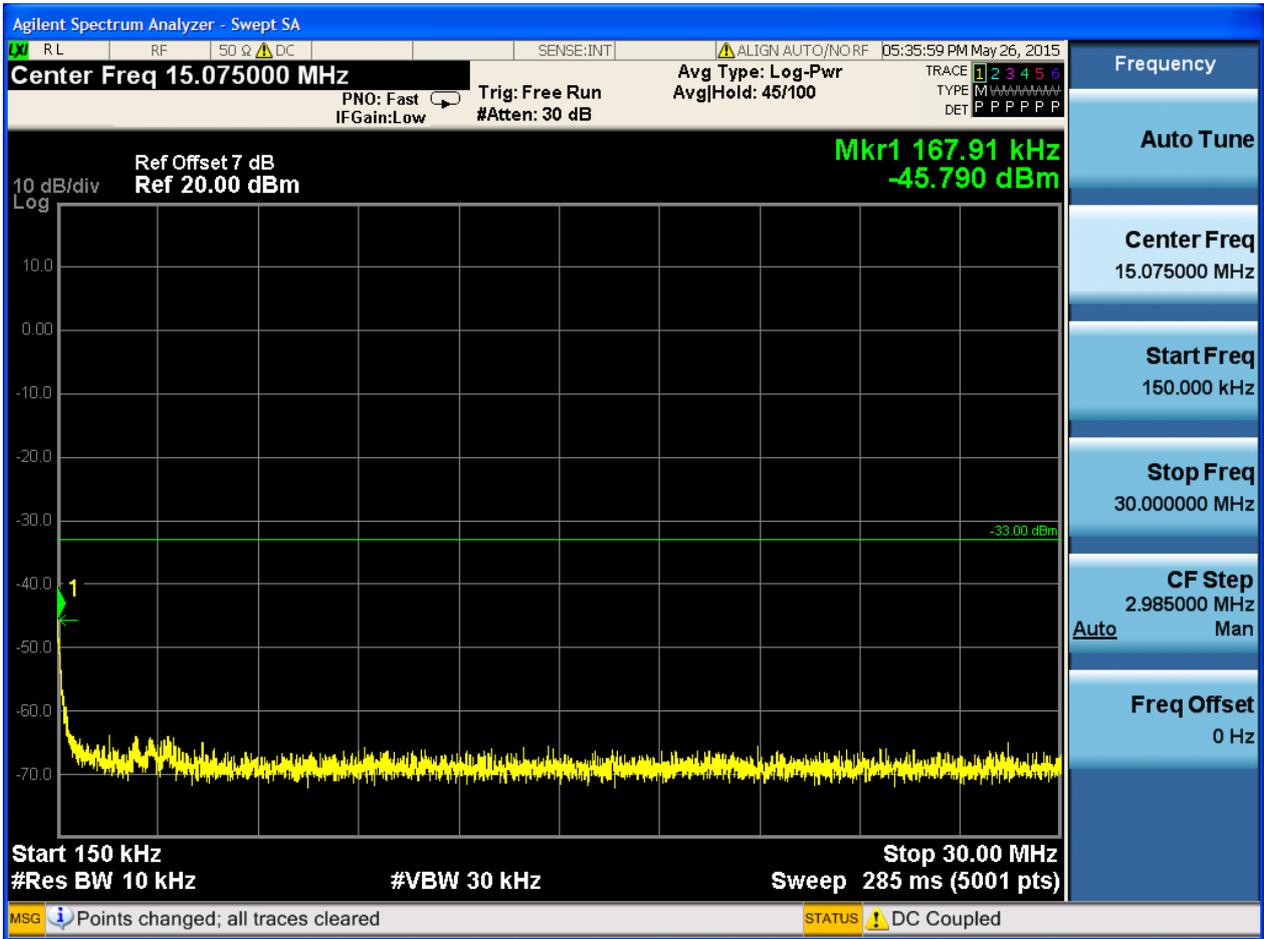


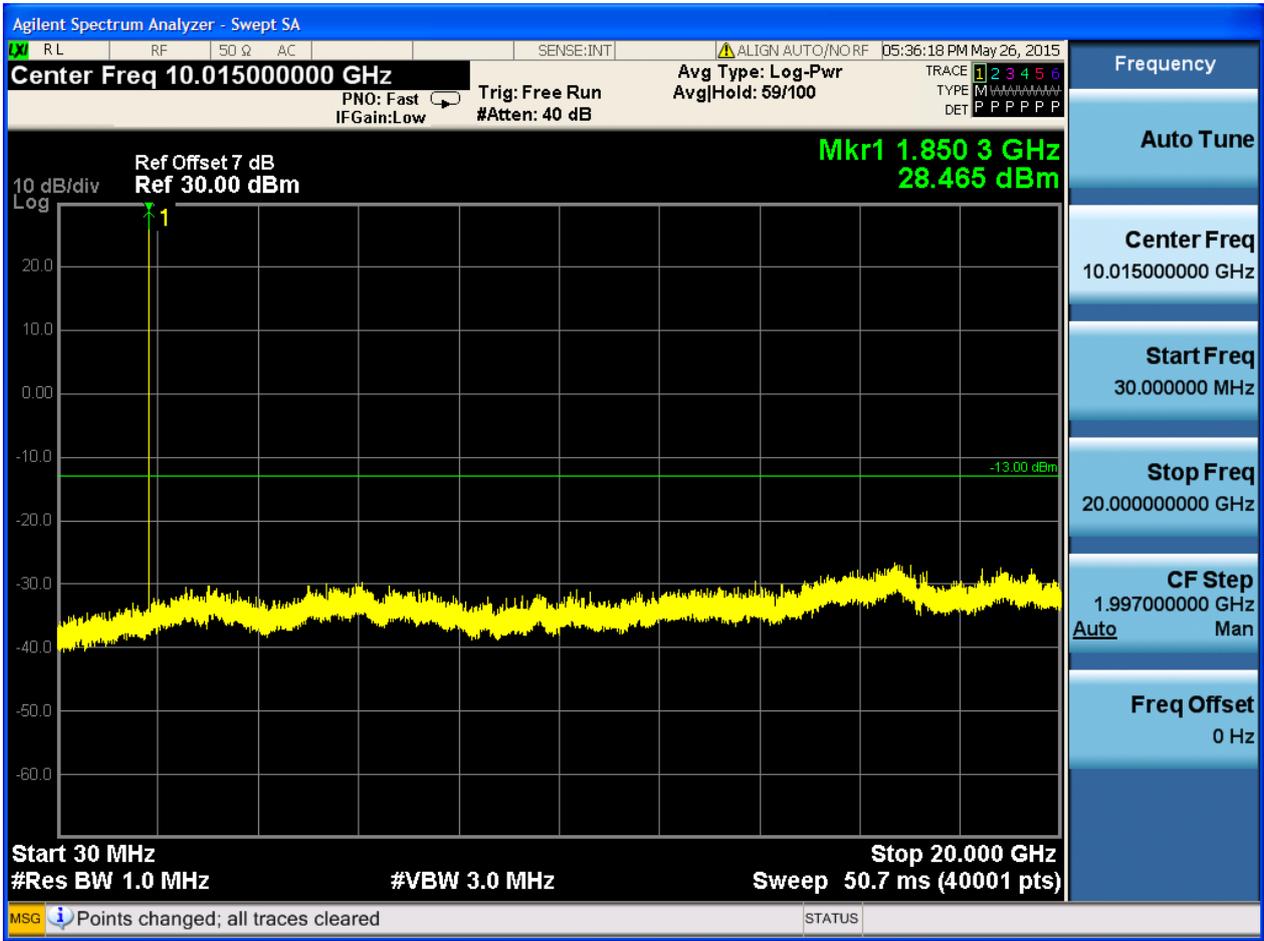


6.1.2.2 Test Mode = GSM/TM2

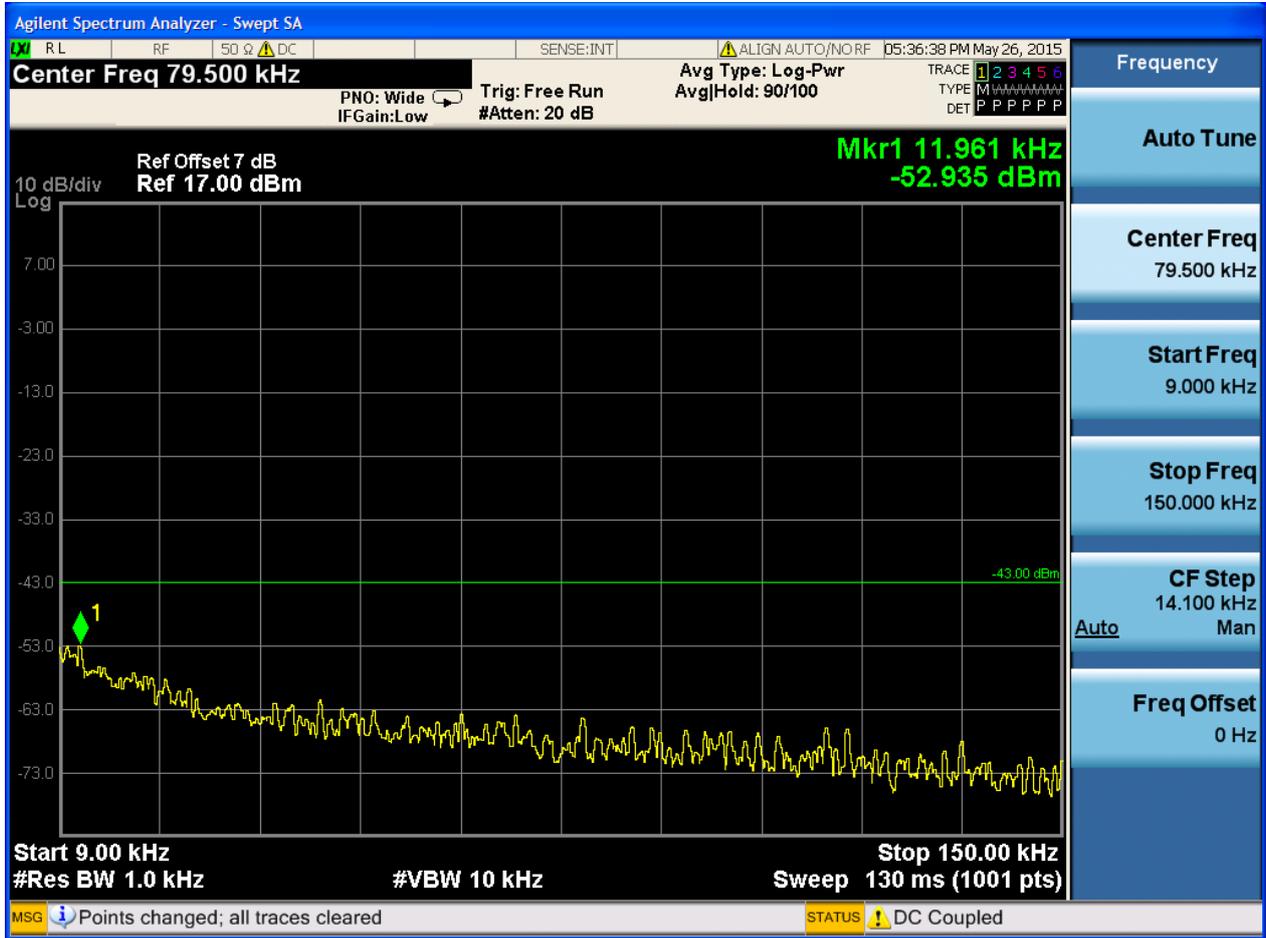
6.1.2.2.1 Test Channel = LCH

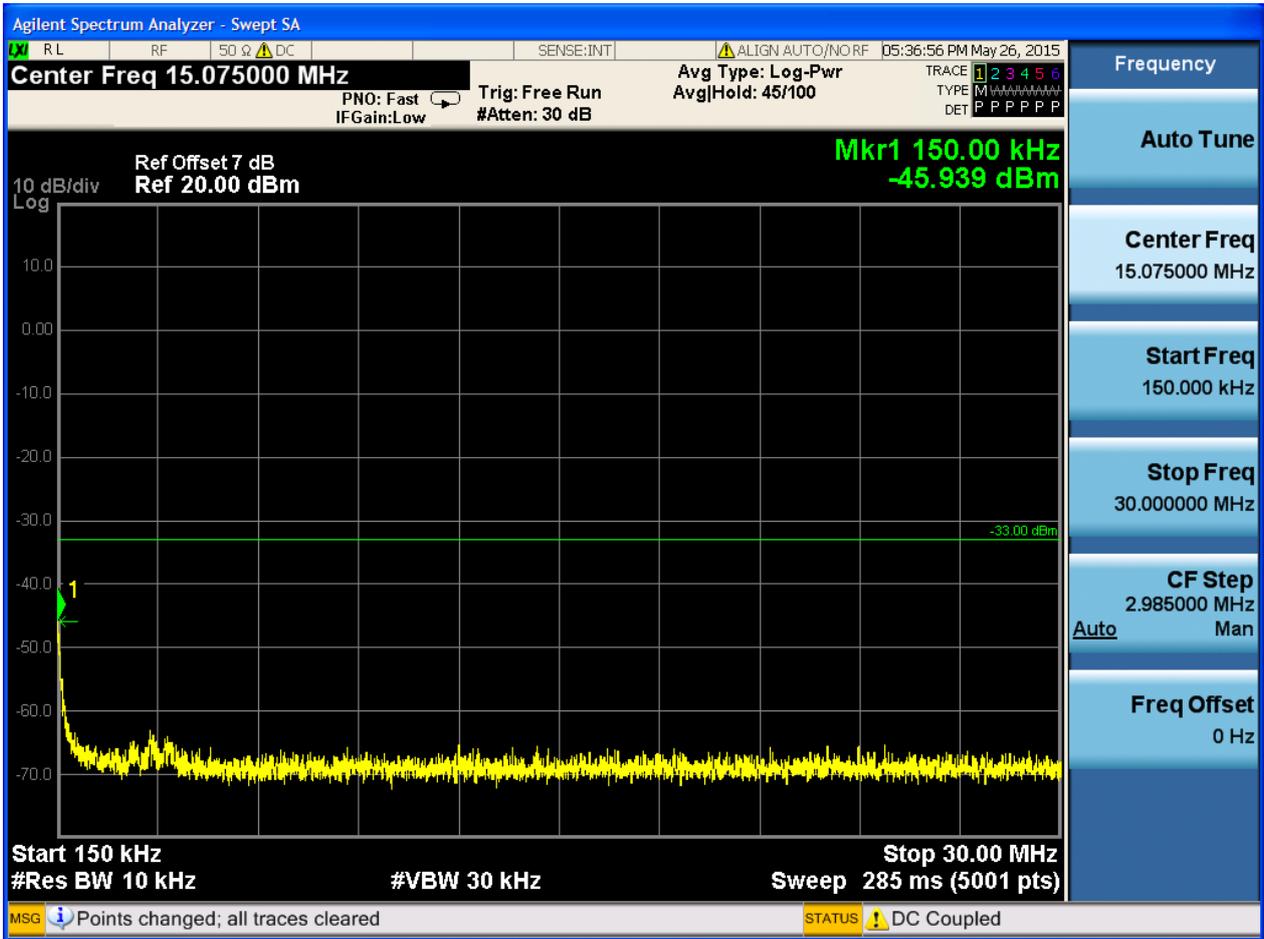


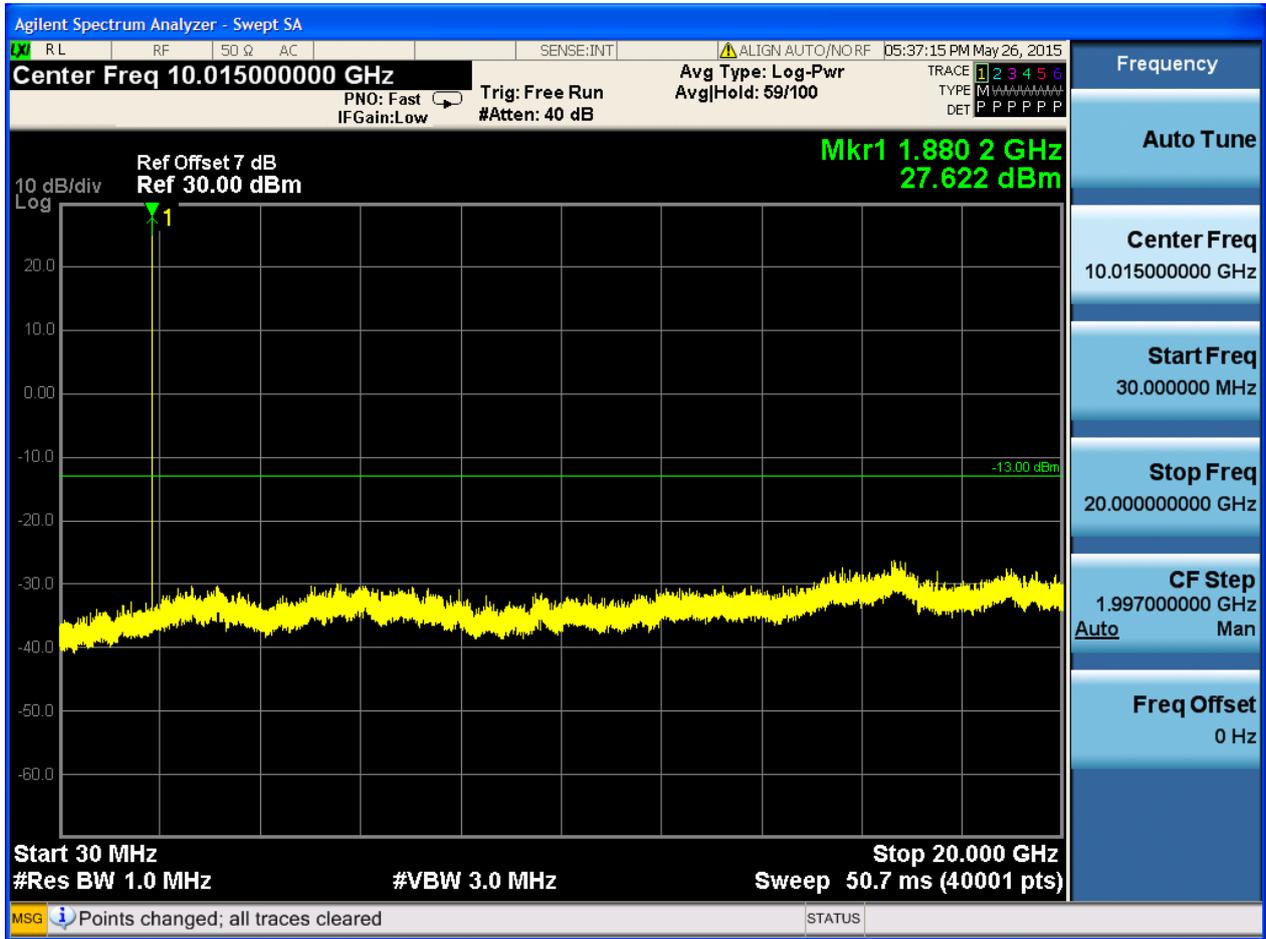




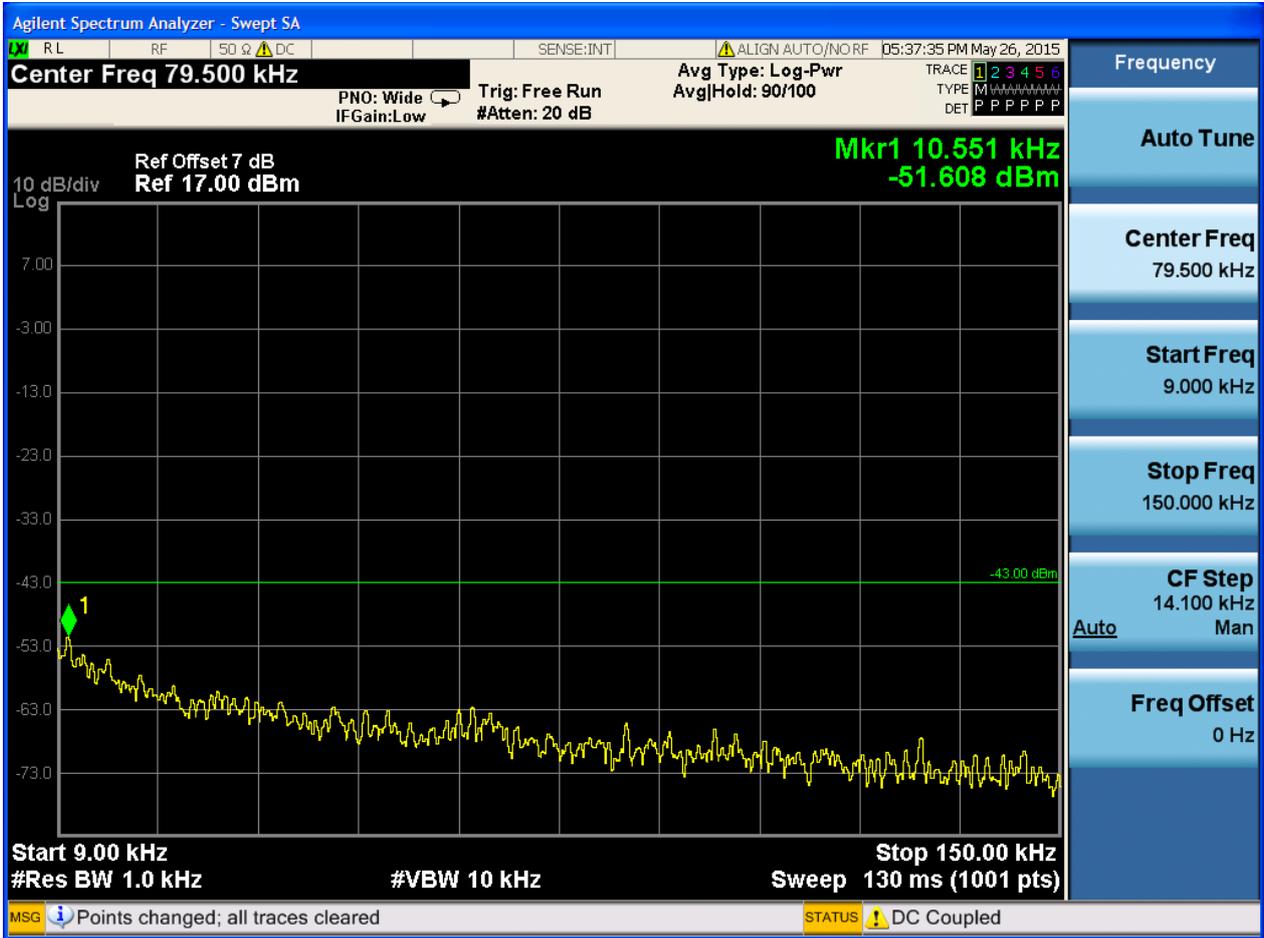
6.1.2.2.2 Test Channel = MCH

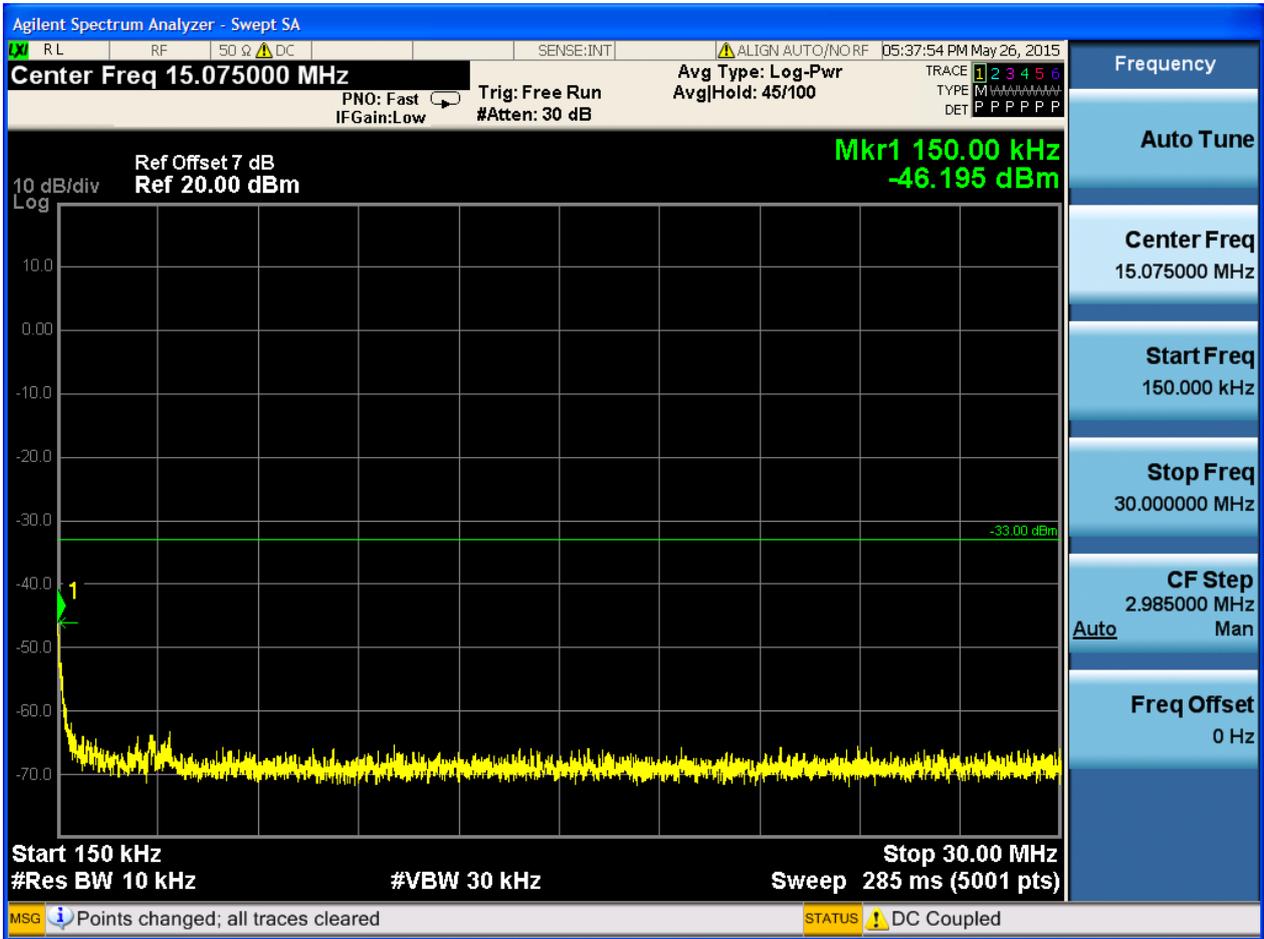


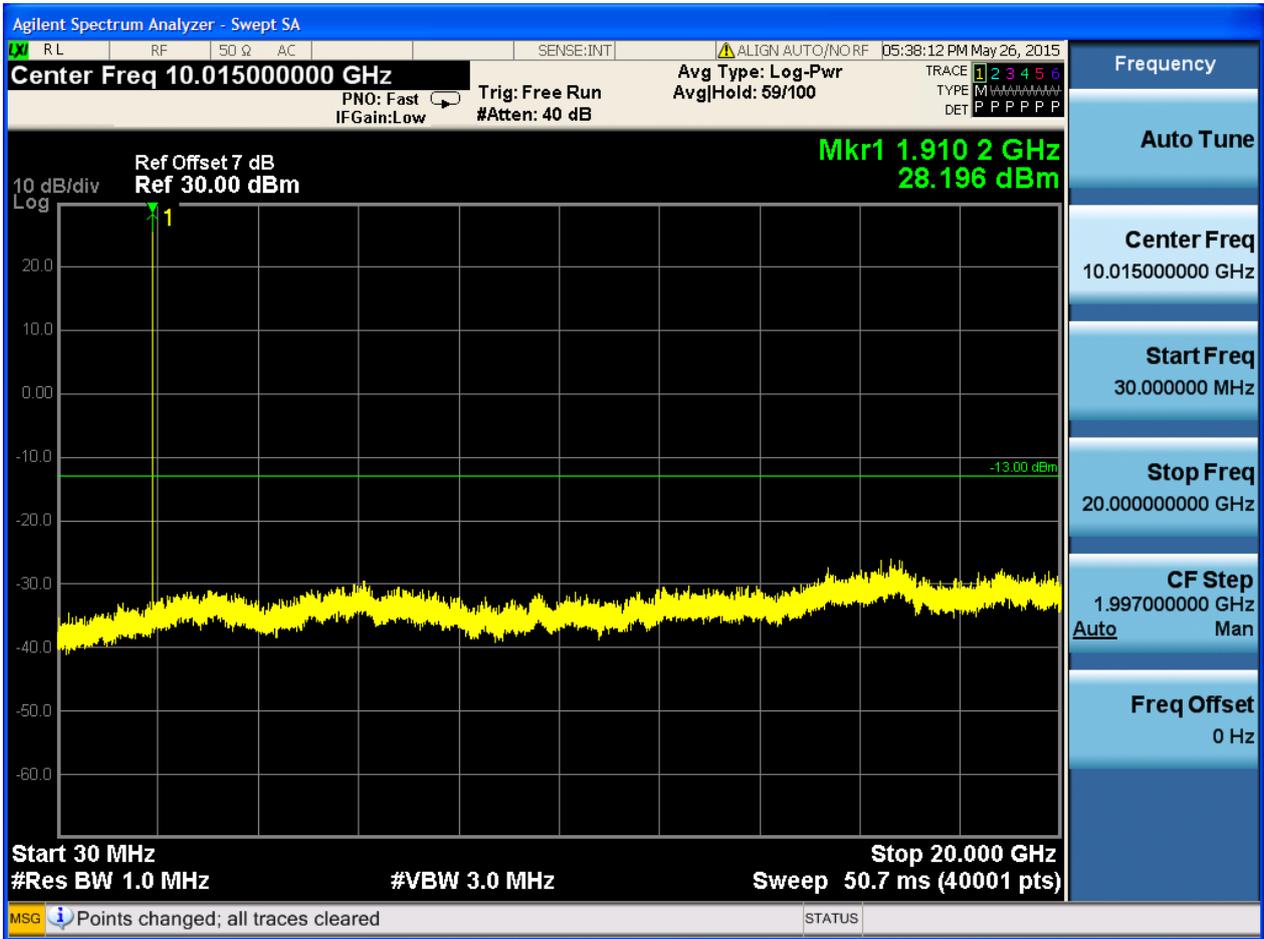




6.1.2.2.3 Test Channel = HCH





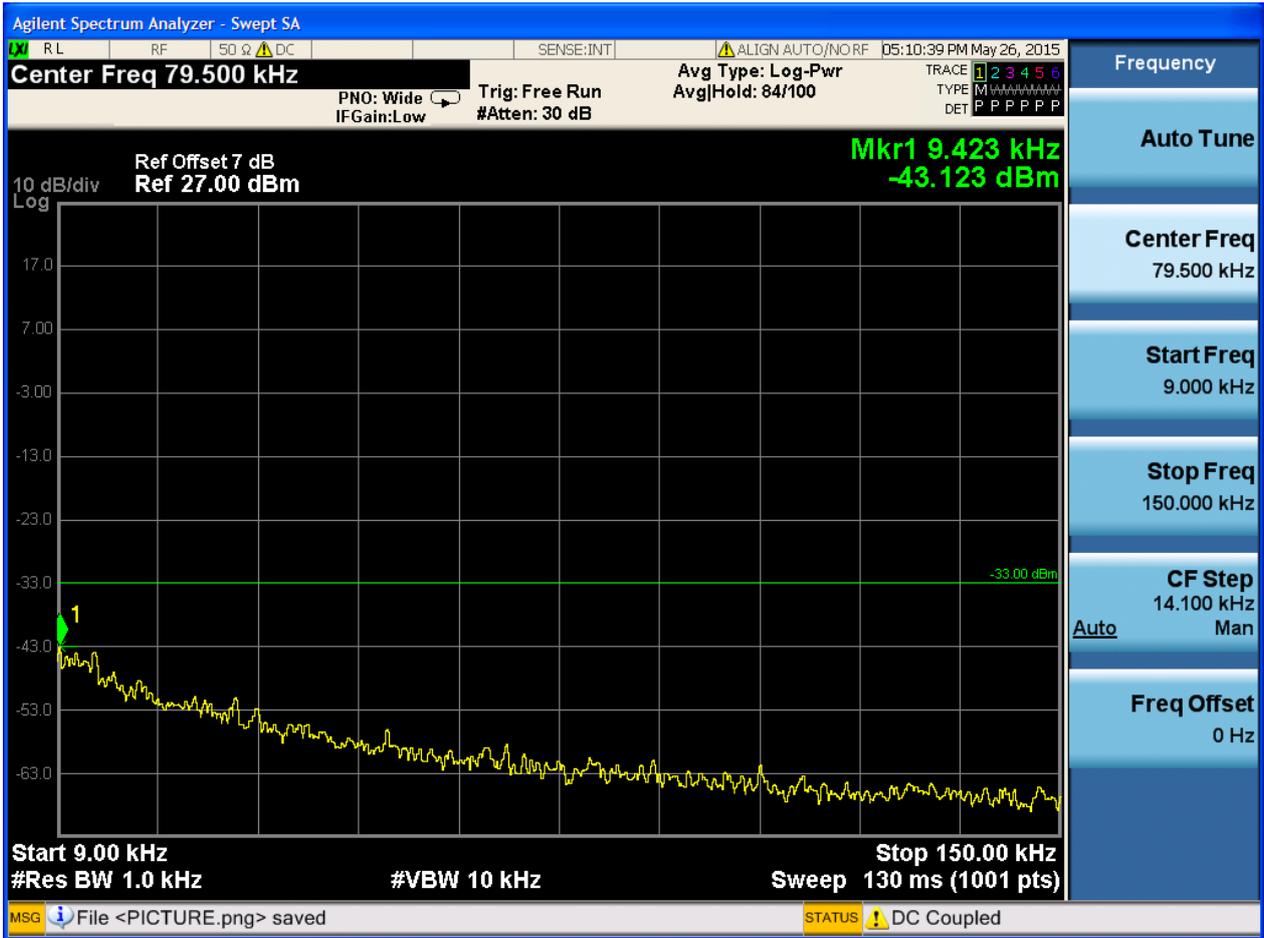


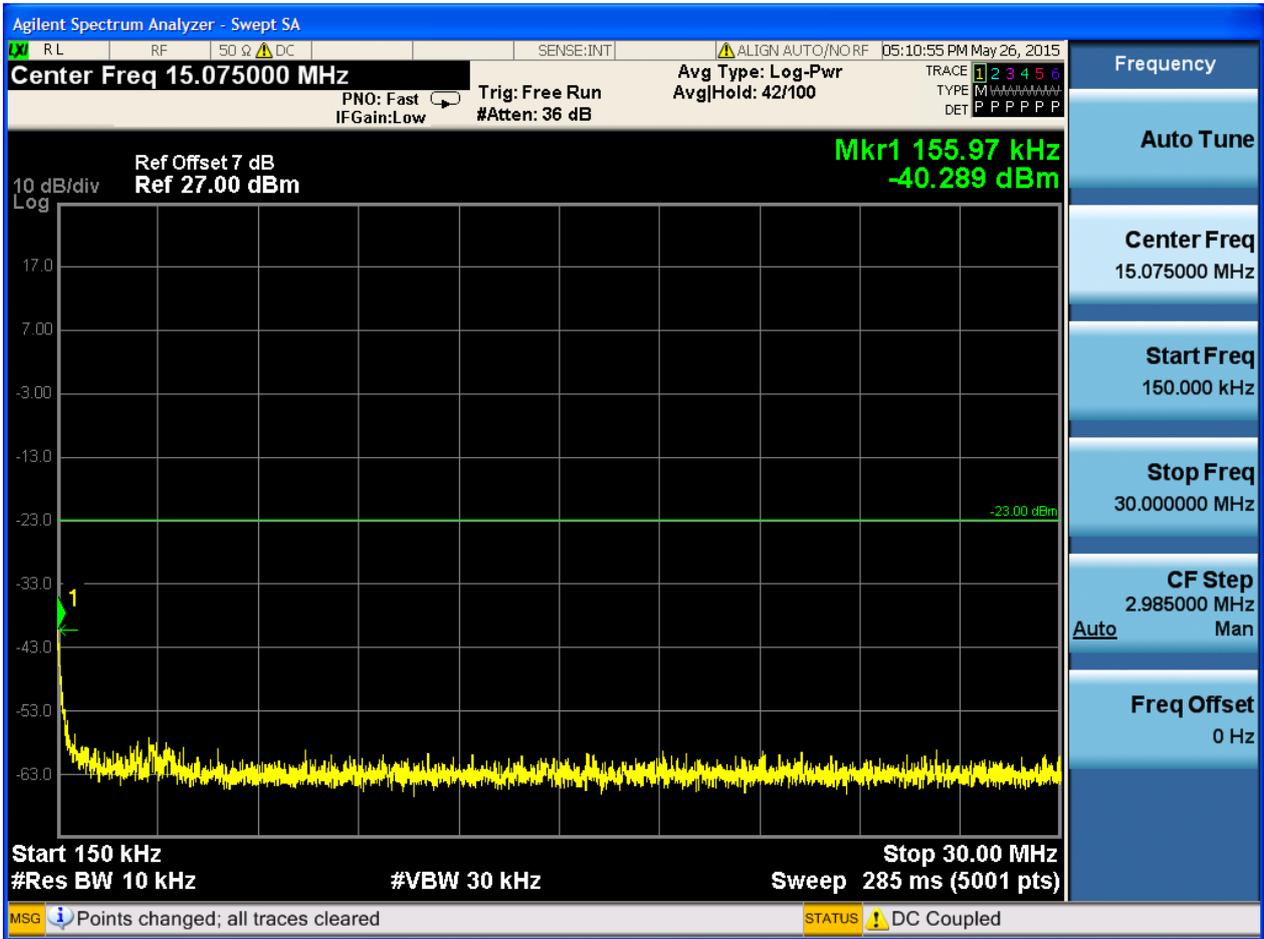
6.2 For UMTS

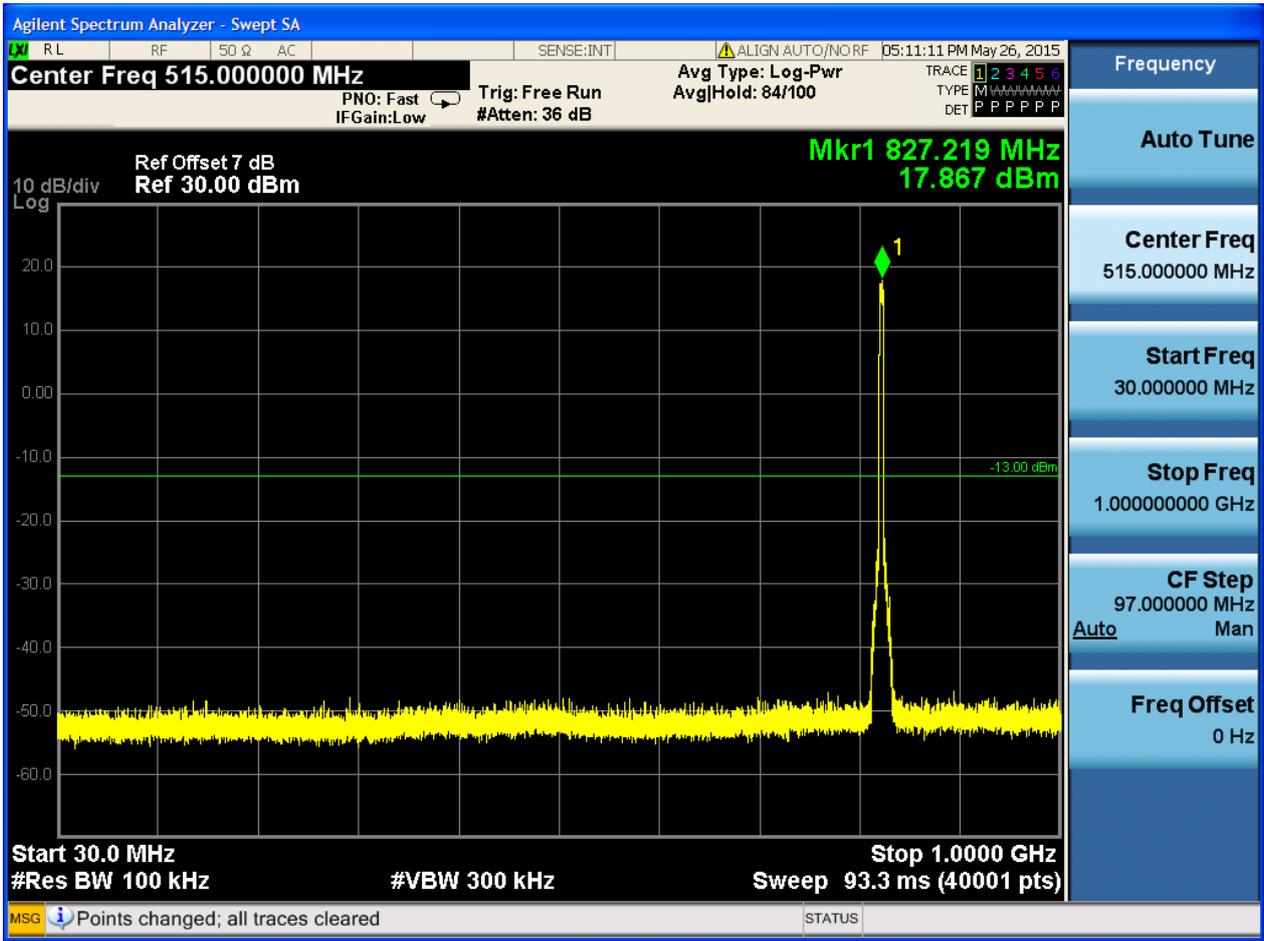
6.2.1 Test Band = WCDMA850

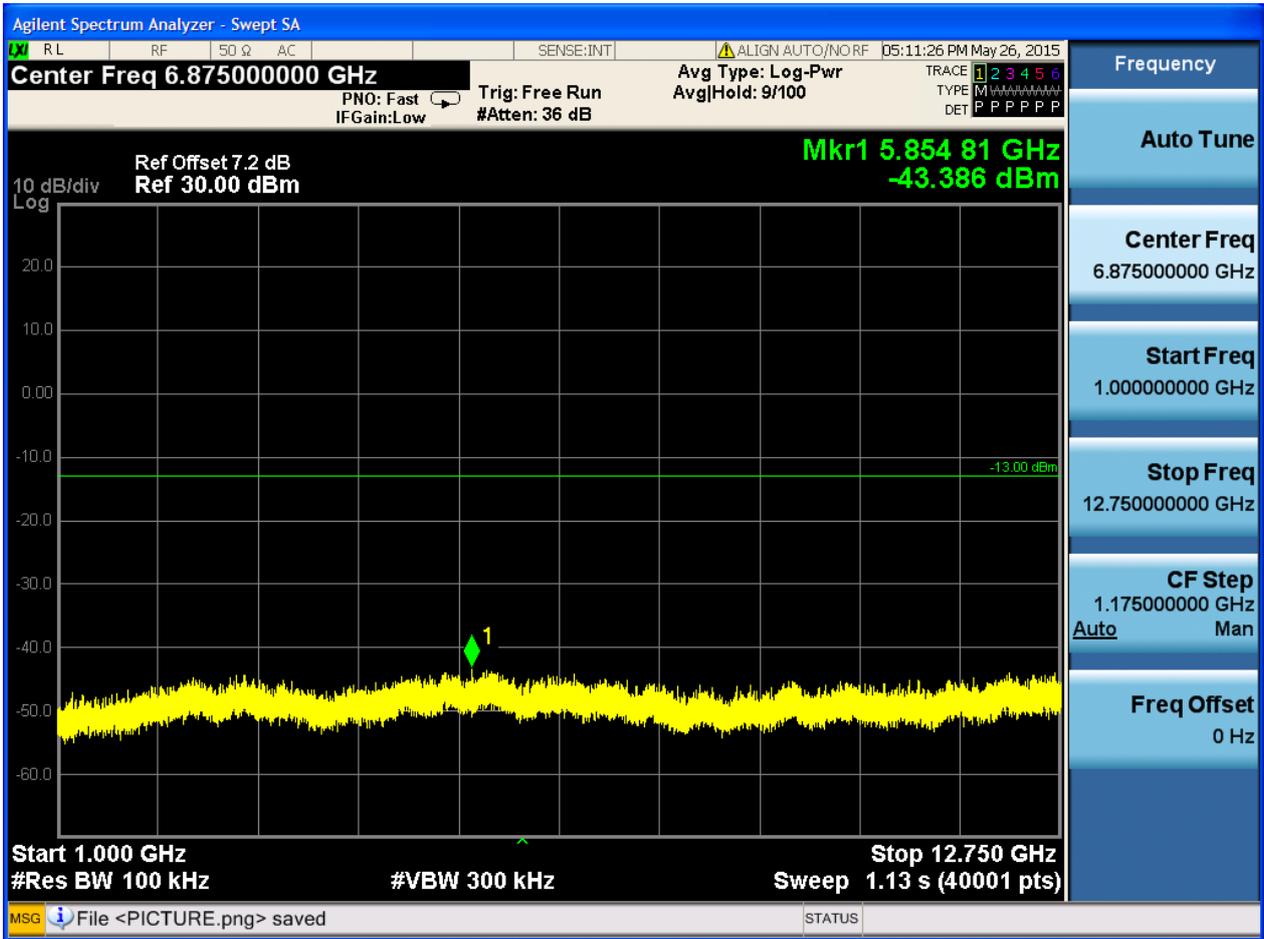
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH

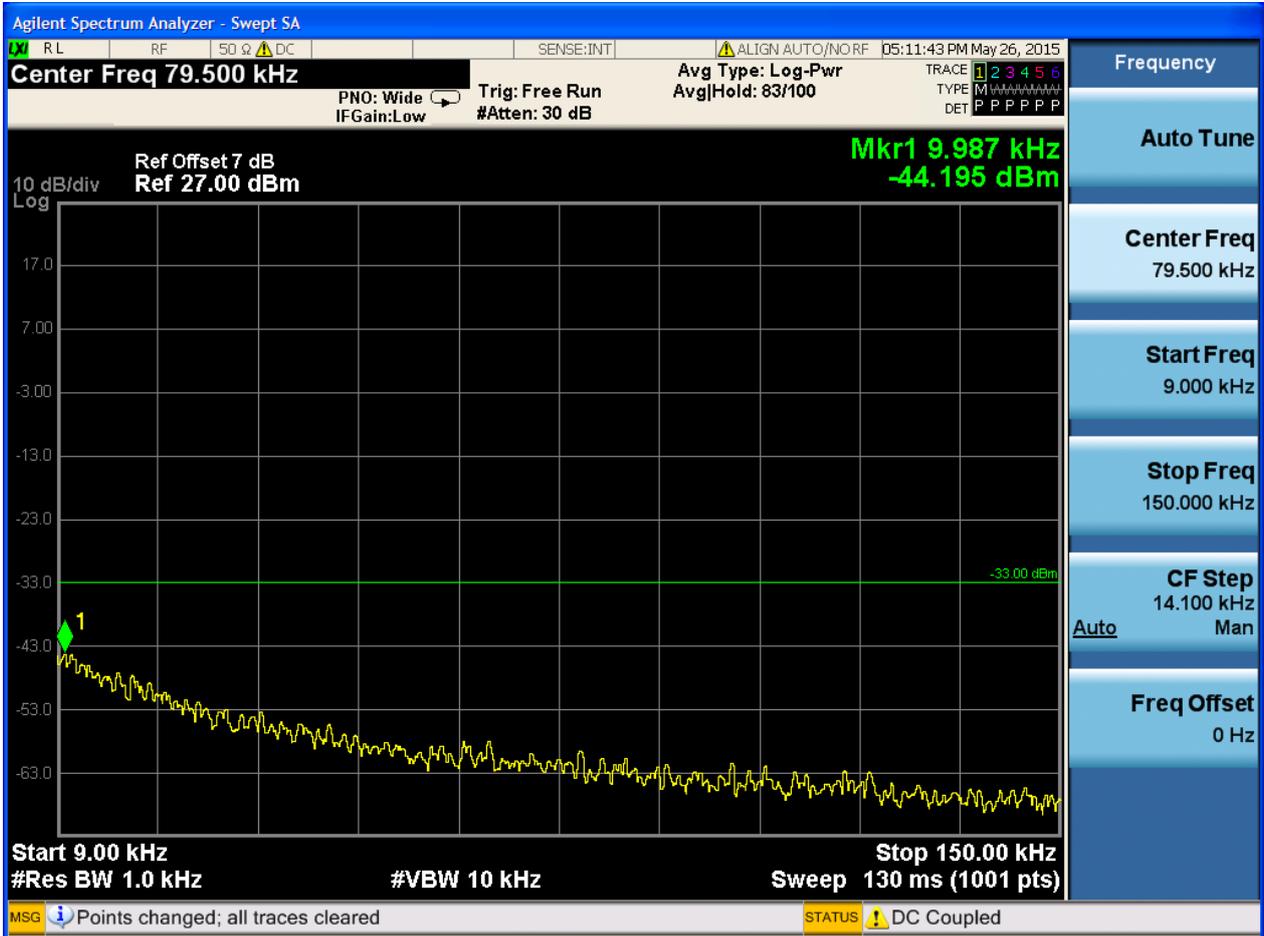


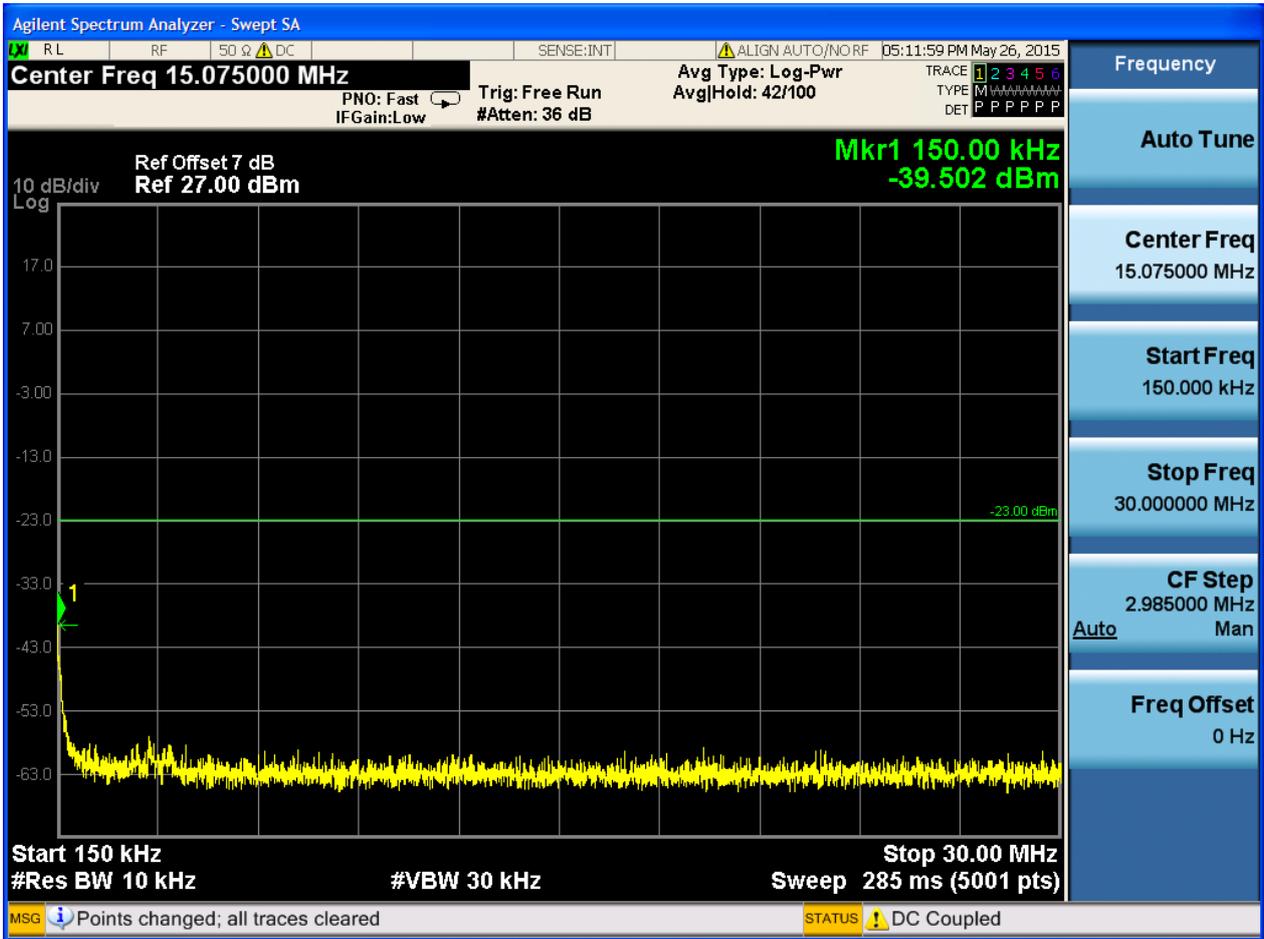


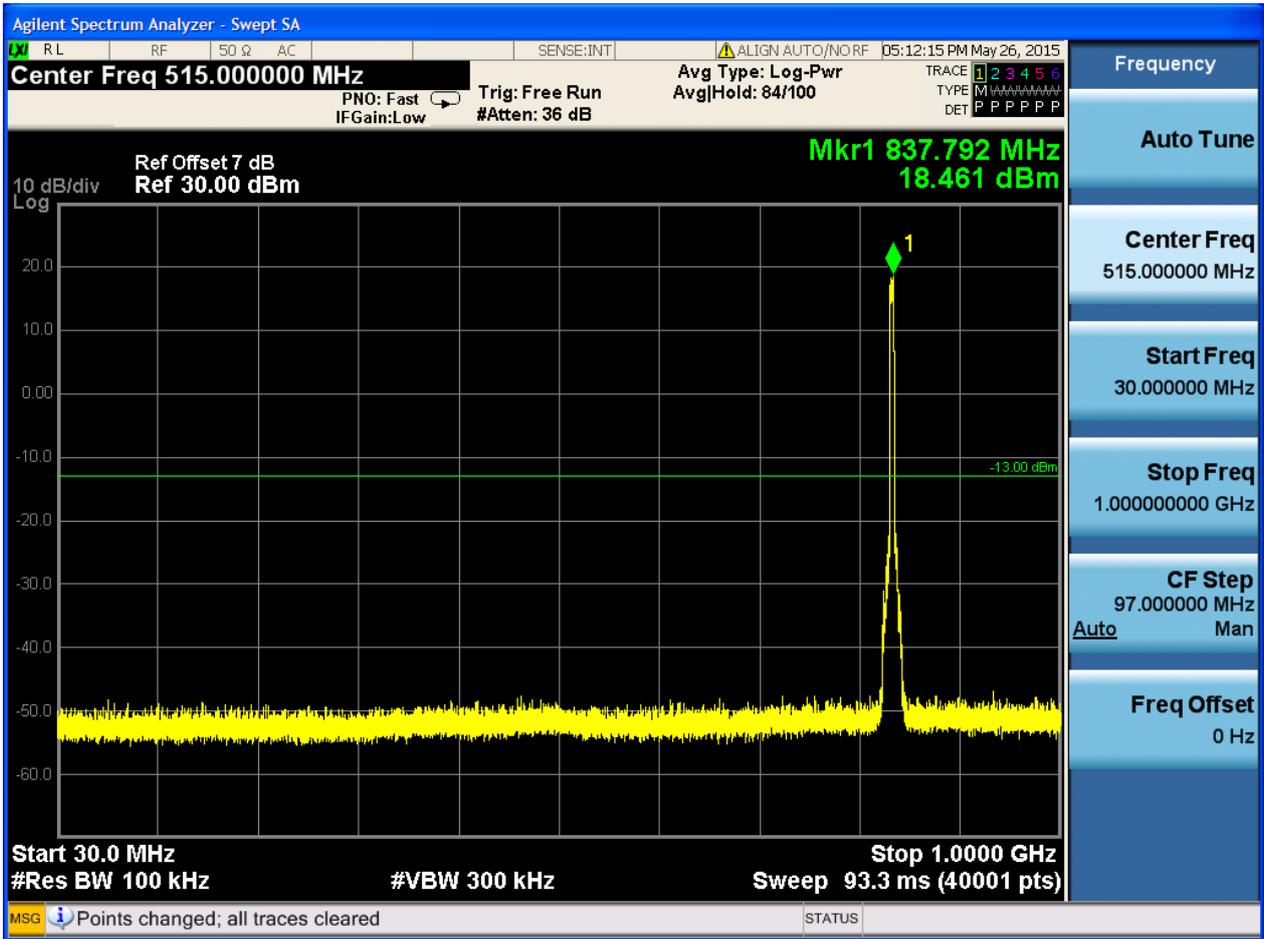


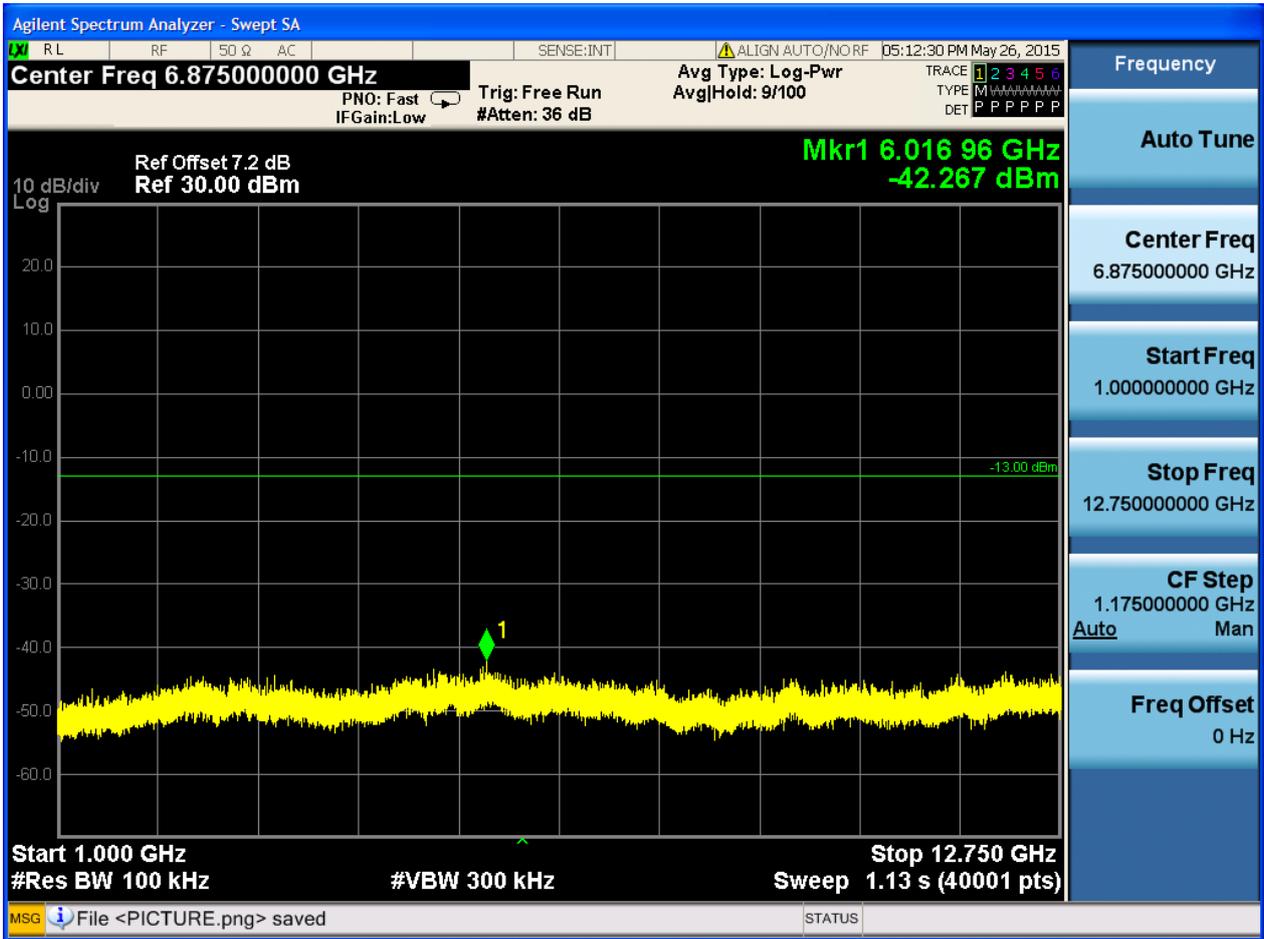


6.2.1.1.2 Test Channel = MCH

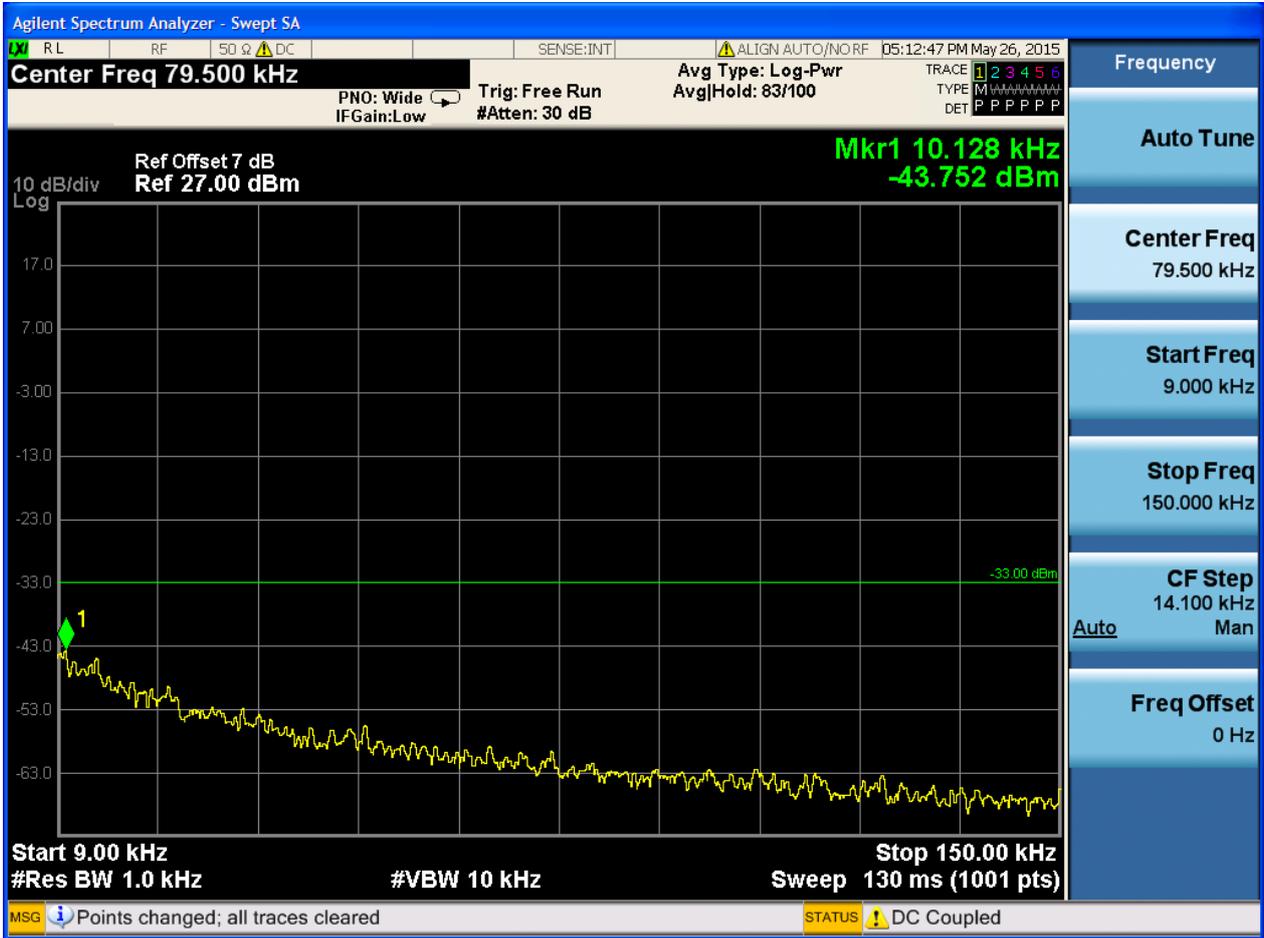


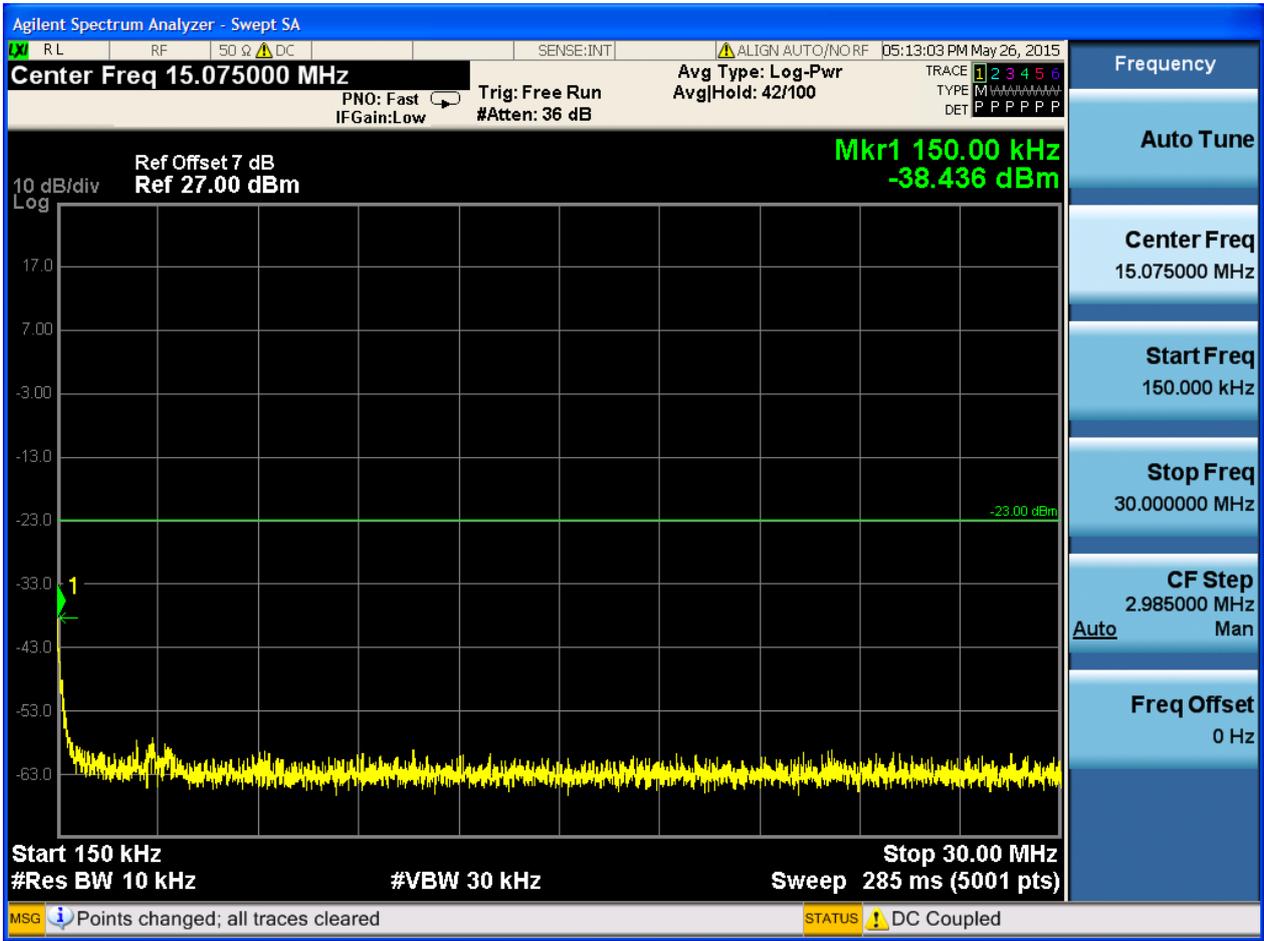


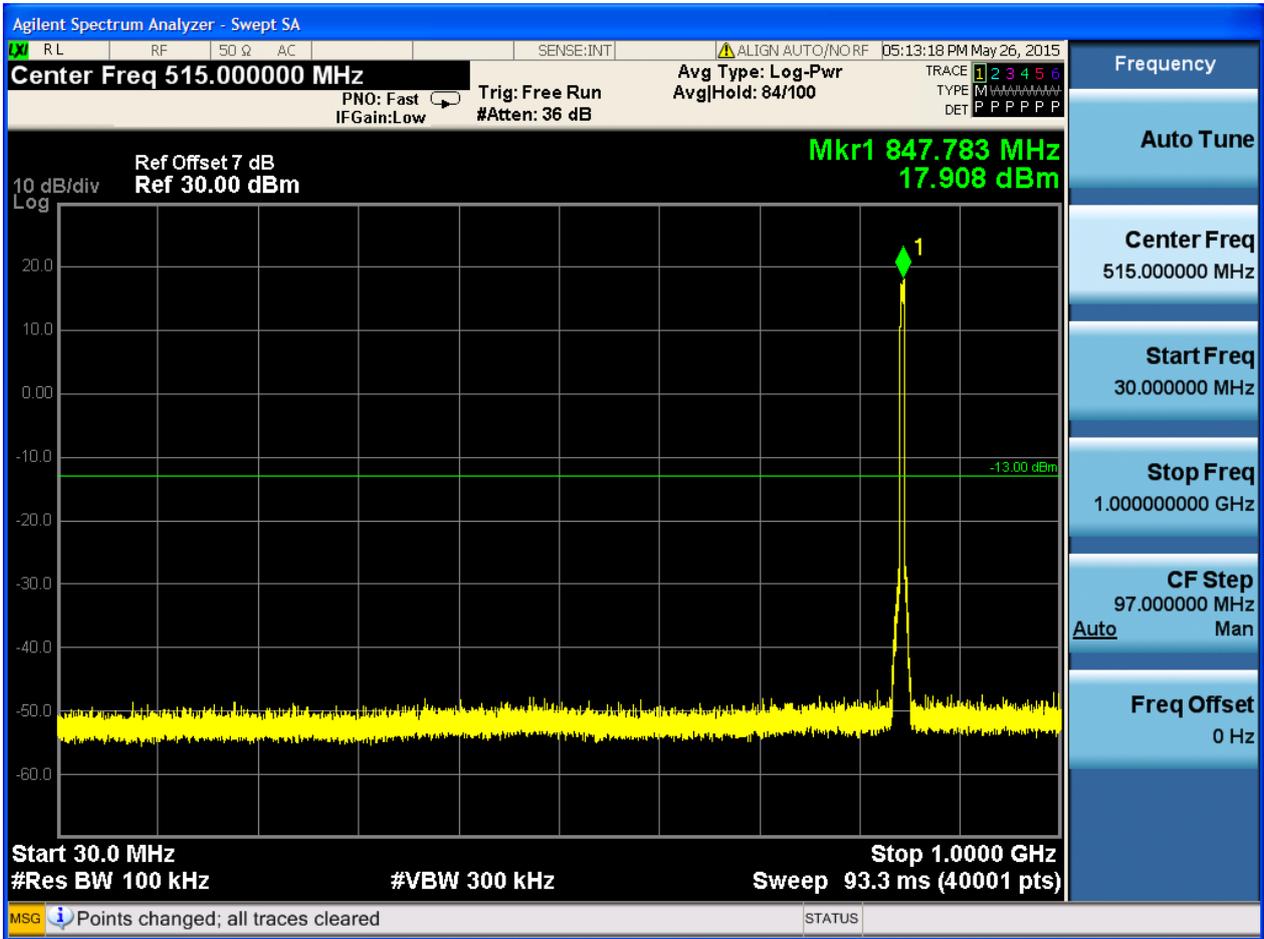


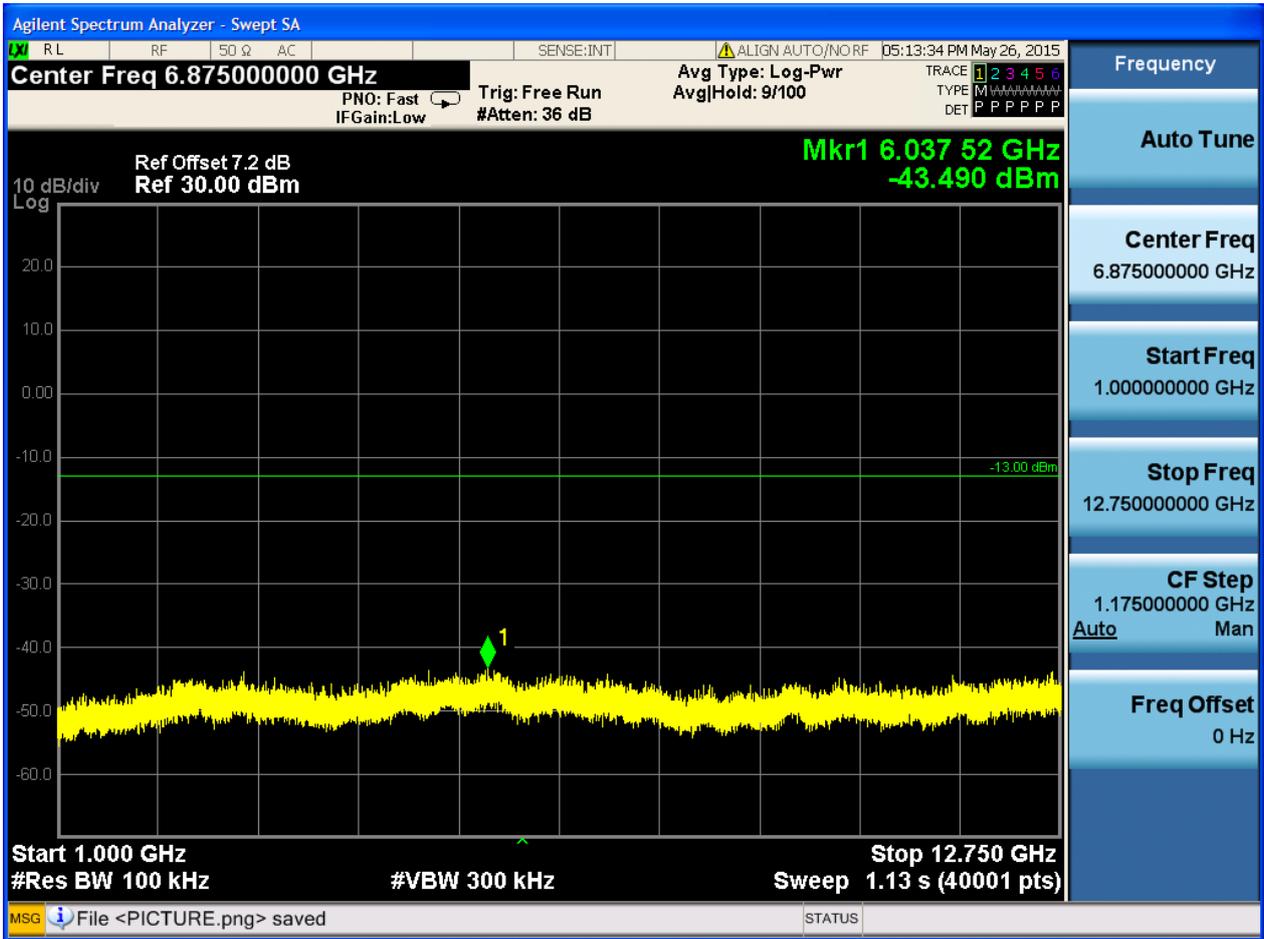


6.2.1.1.3 Test Channel = HCH







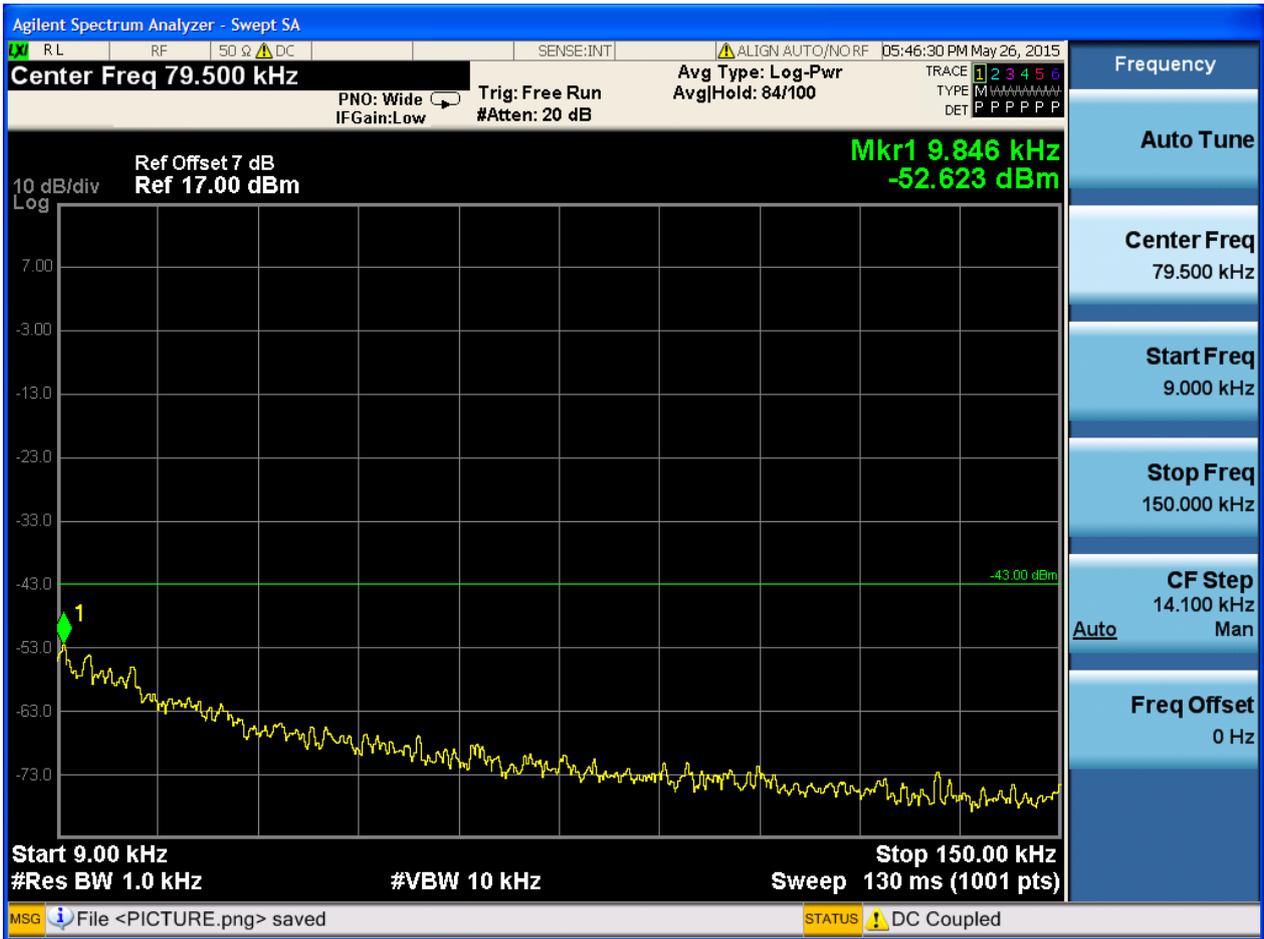




6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

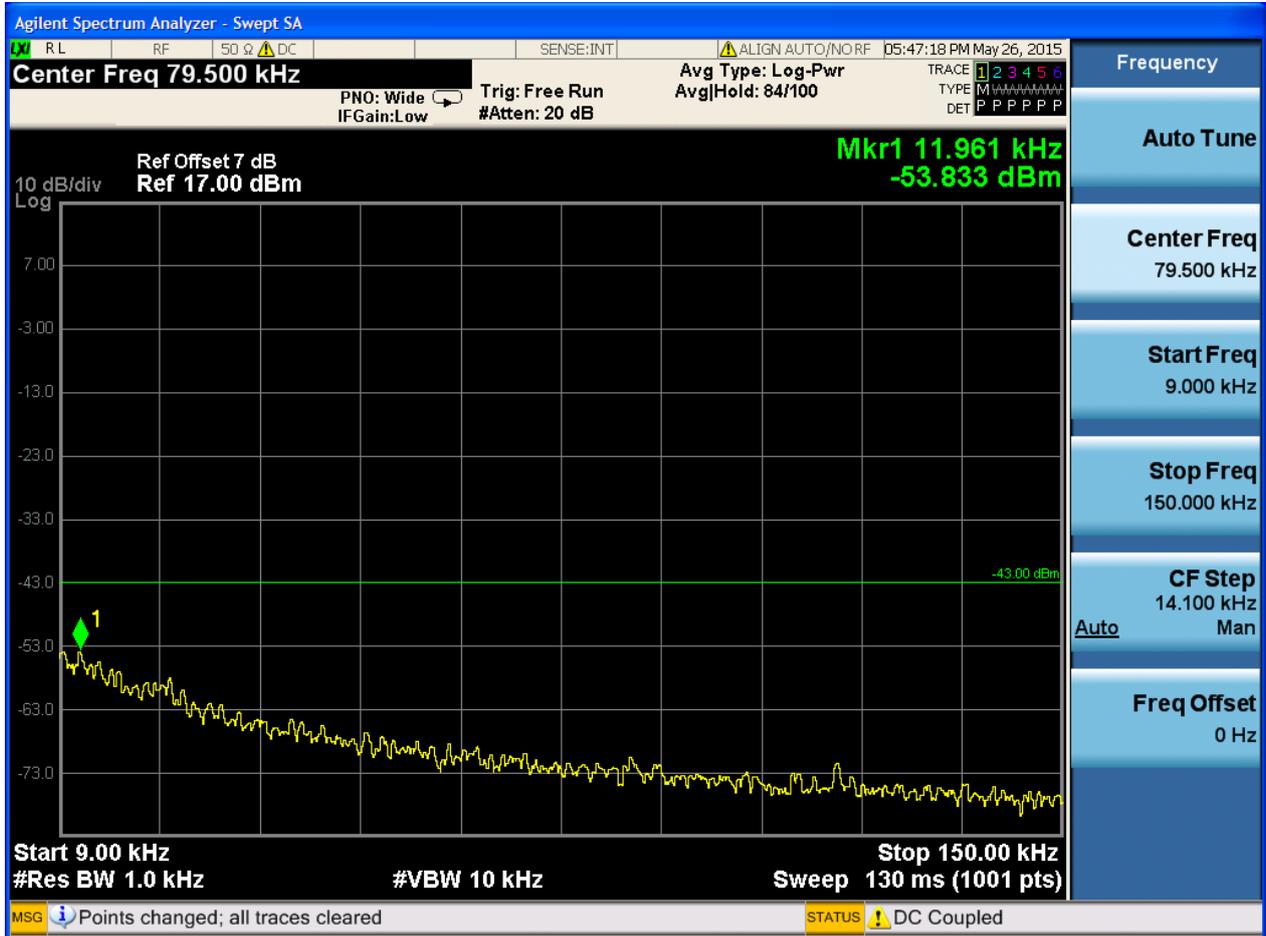
6.2.2.1.1 Test Channel = LCH

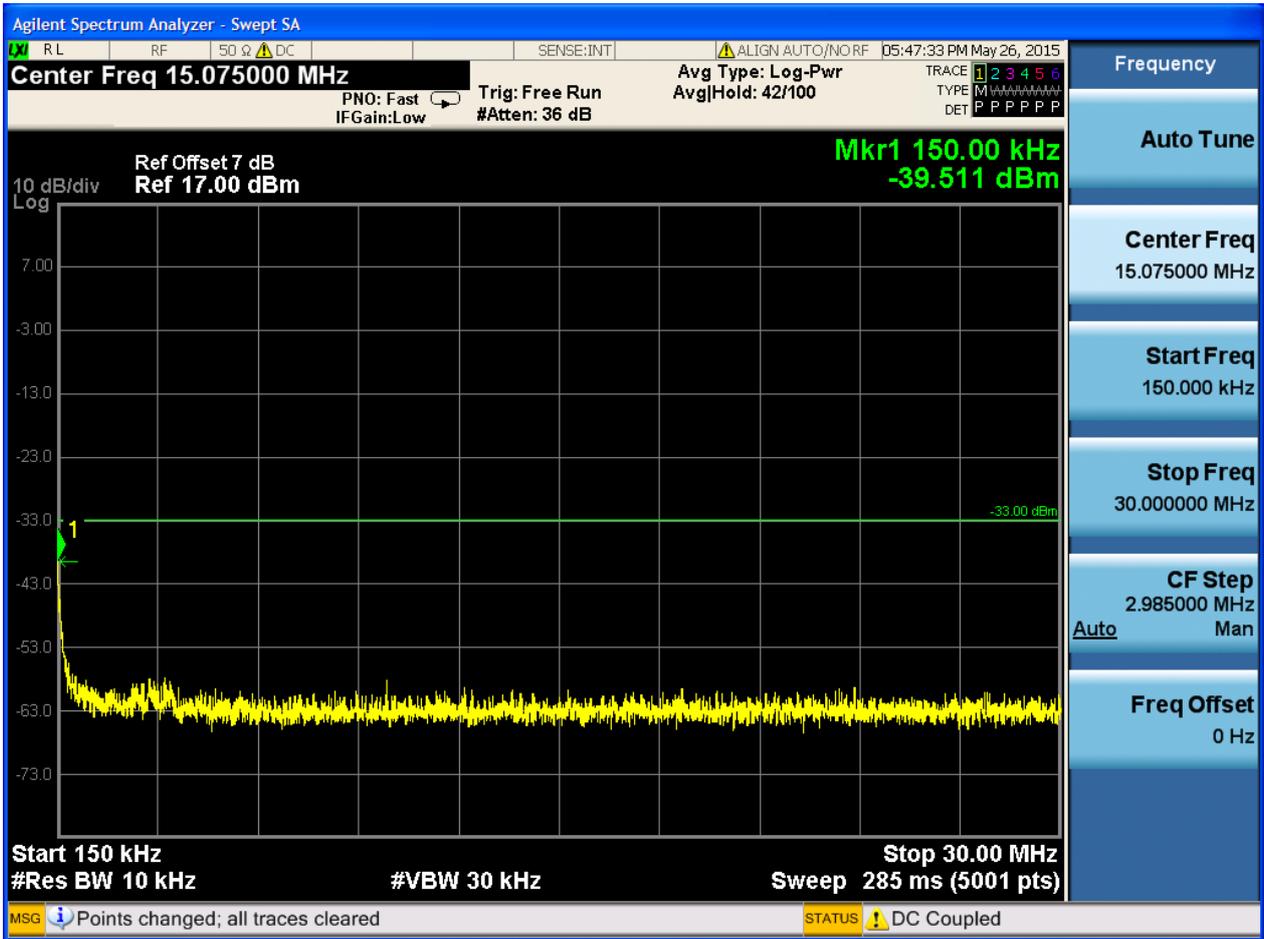


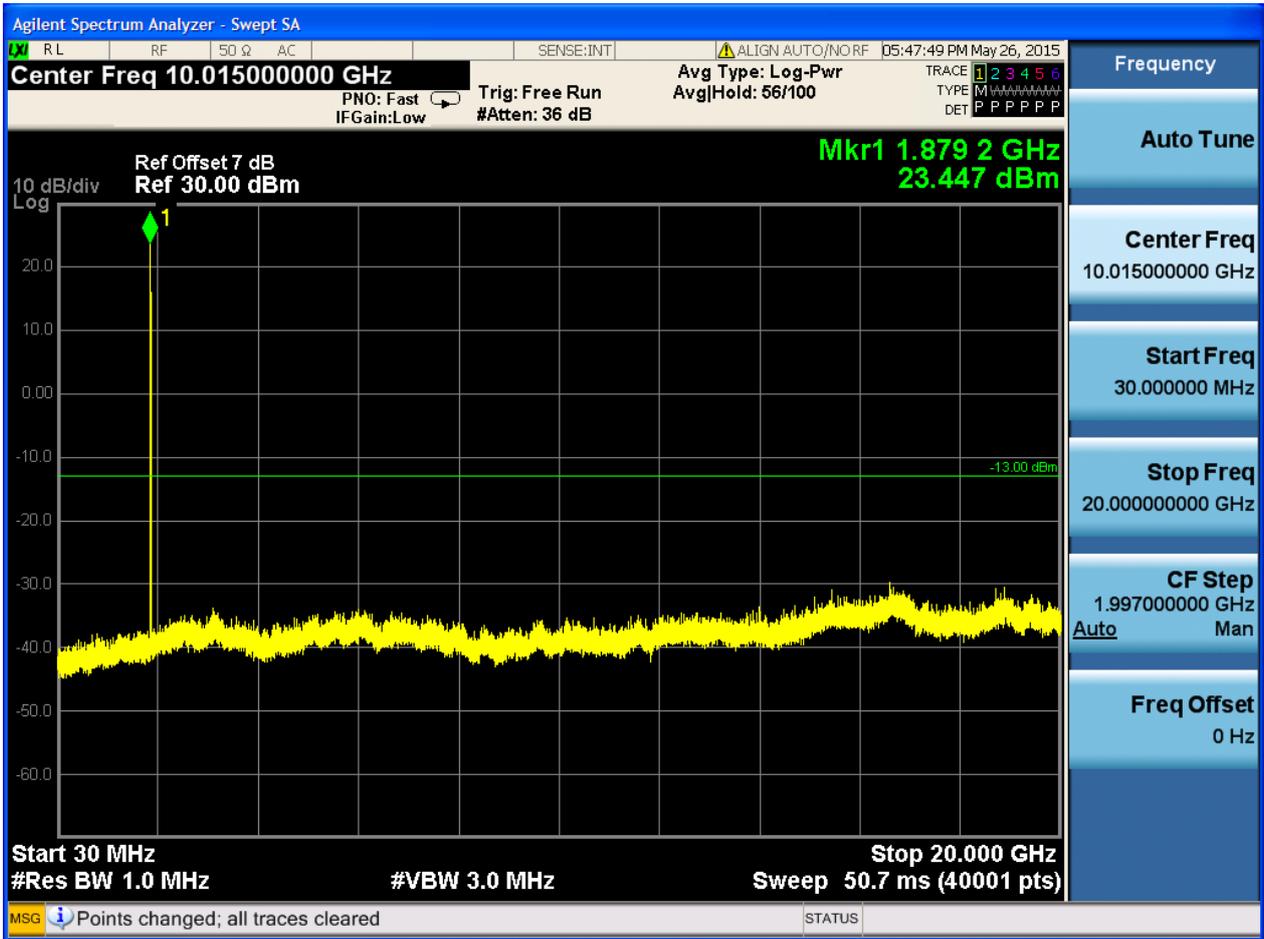




6.2.2.1.2 Test Channel = MCH



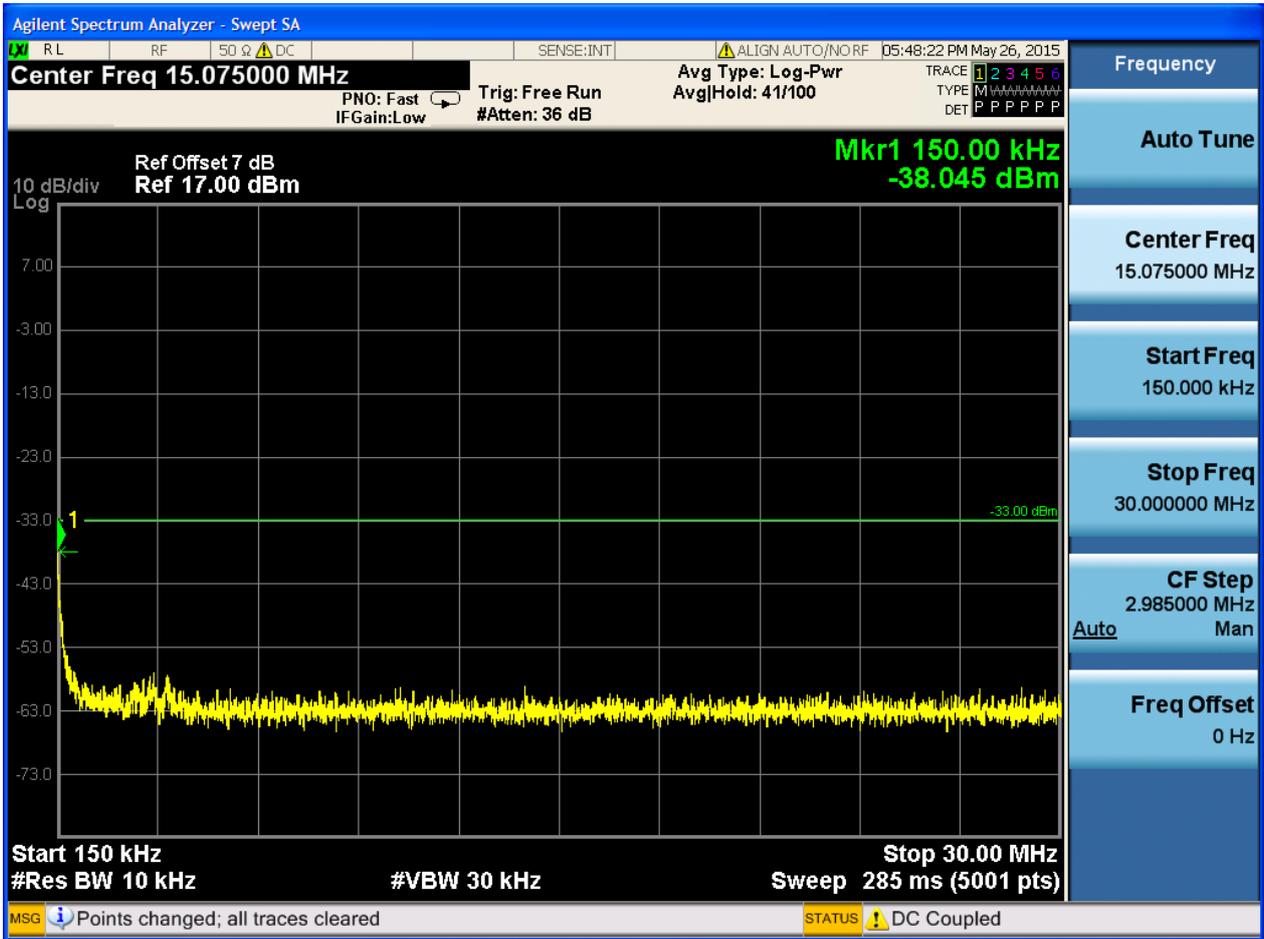


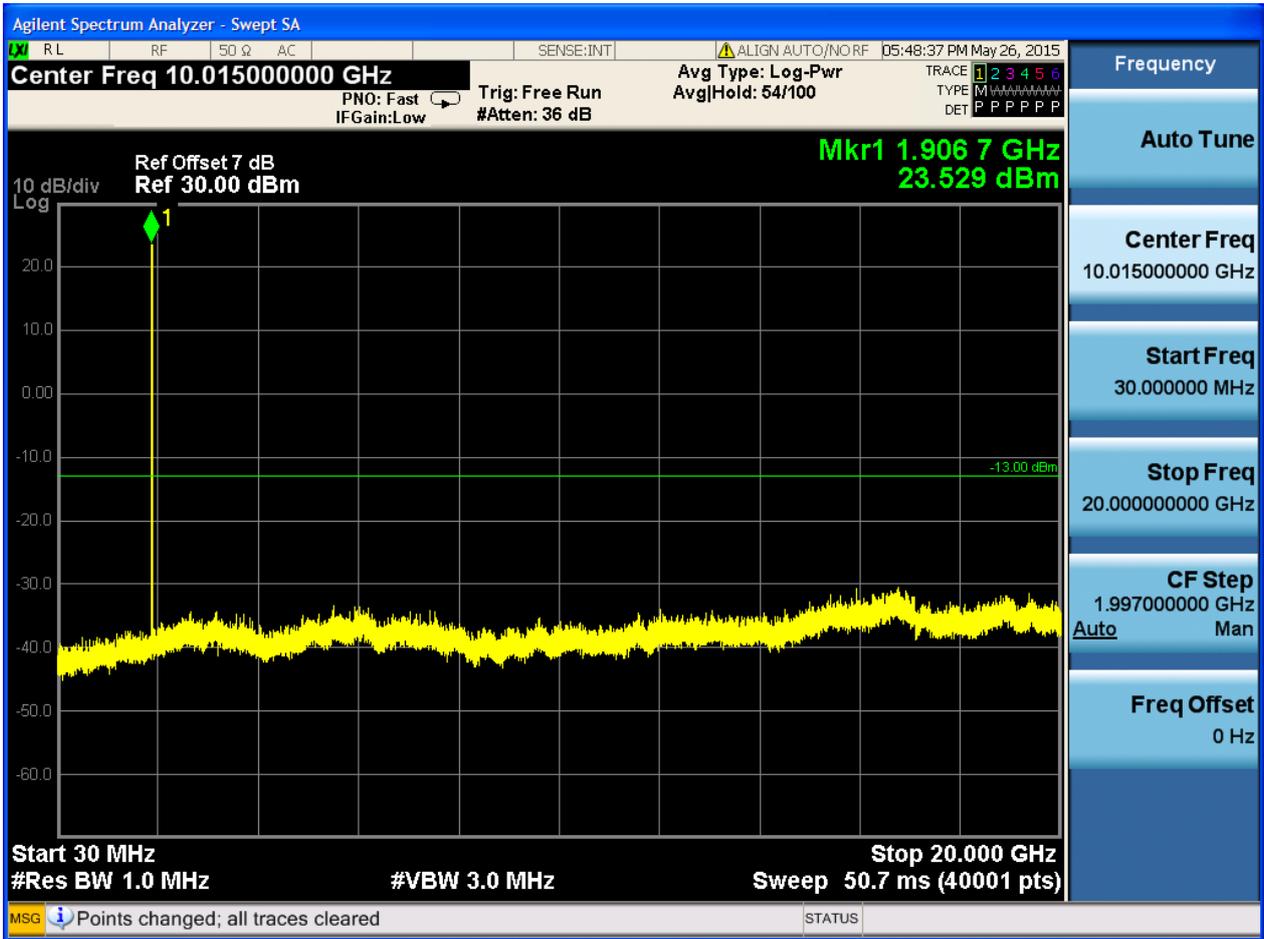




6.2.2.1.3 Test Channel = HCH



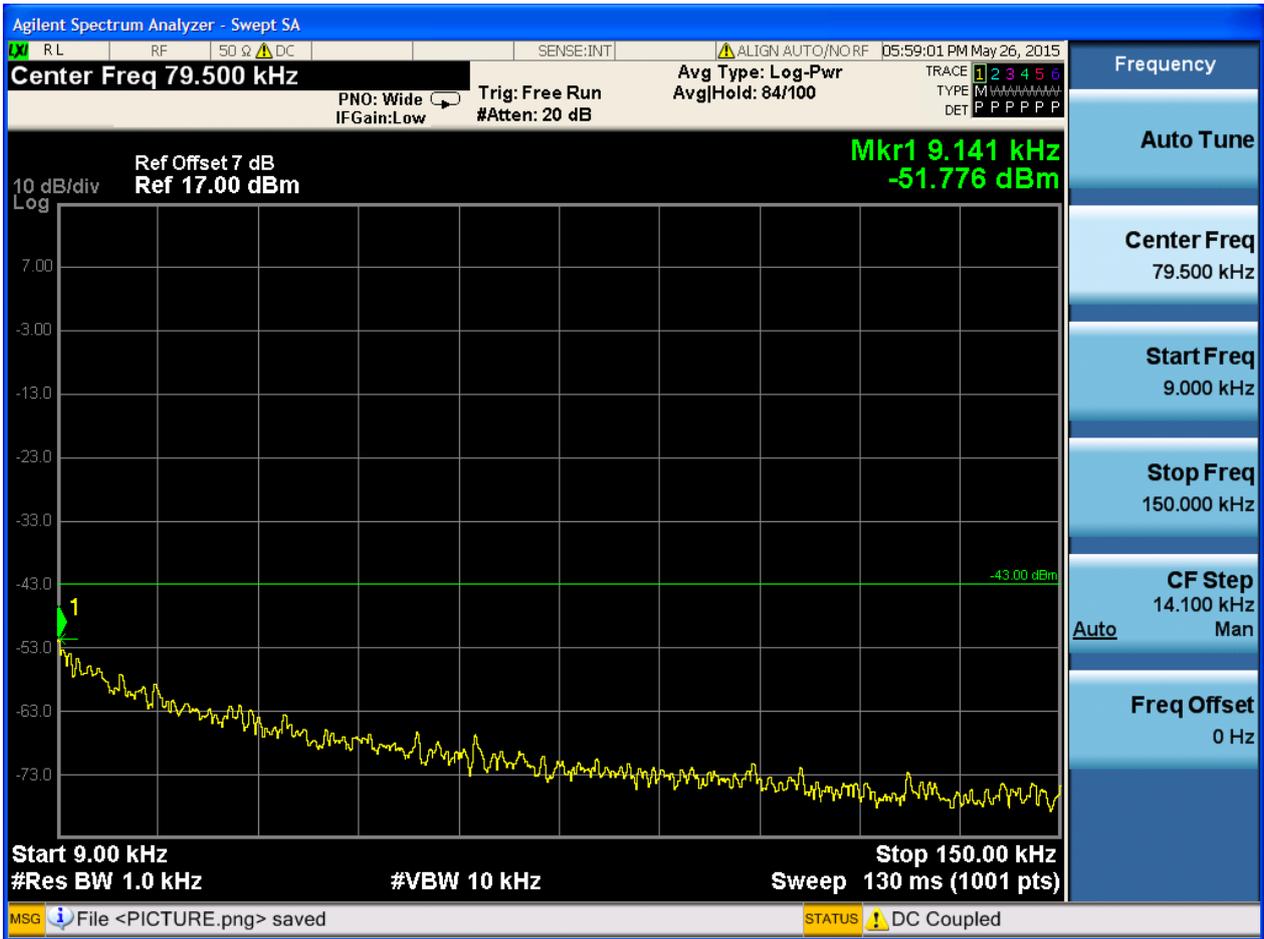


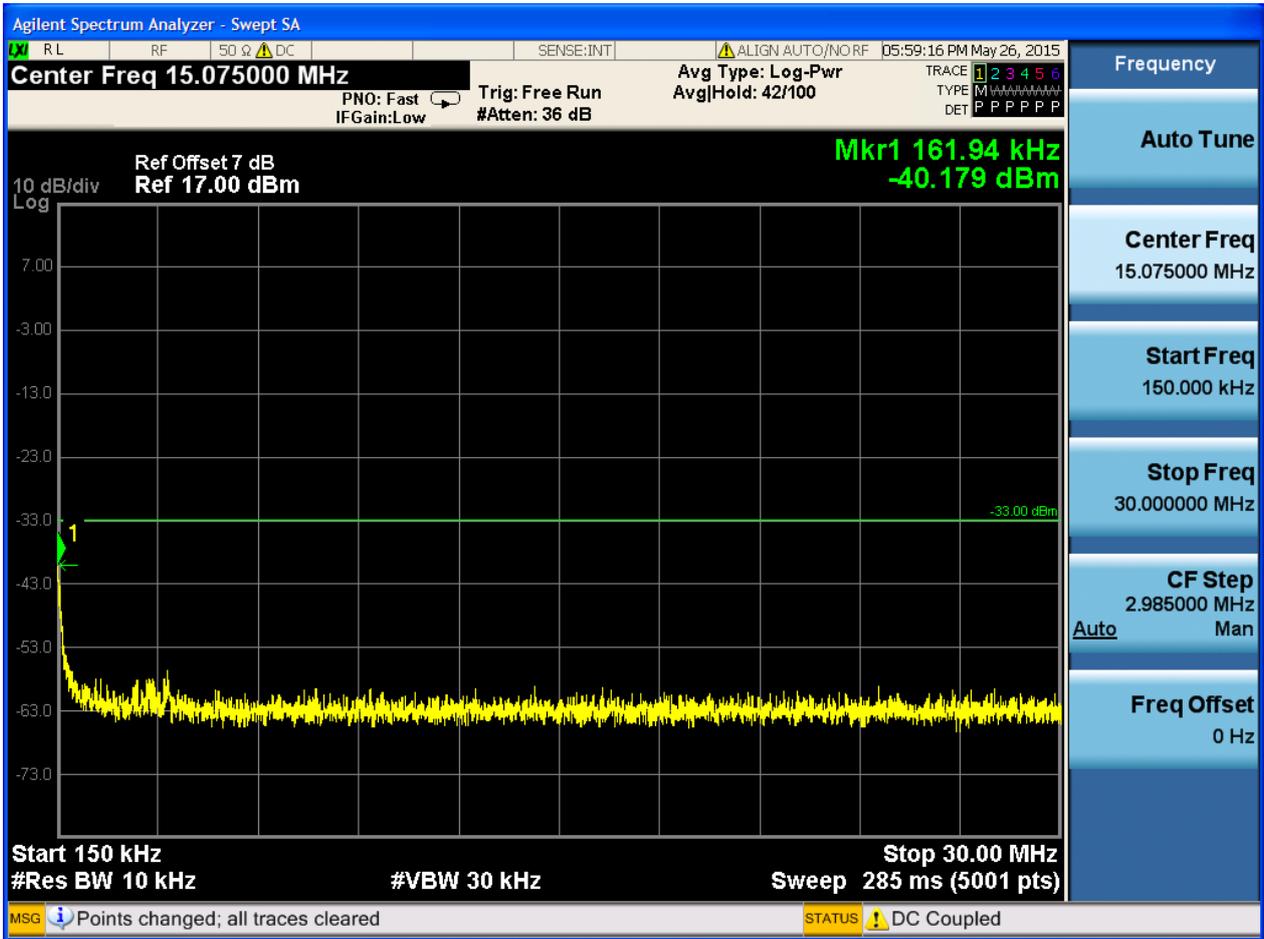


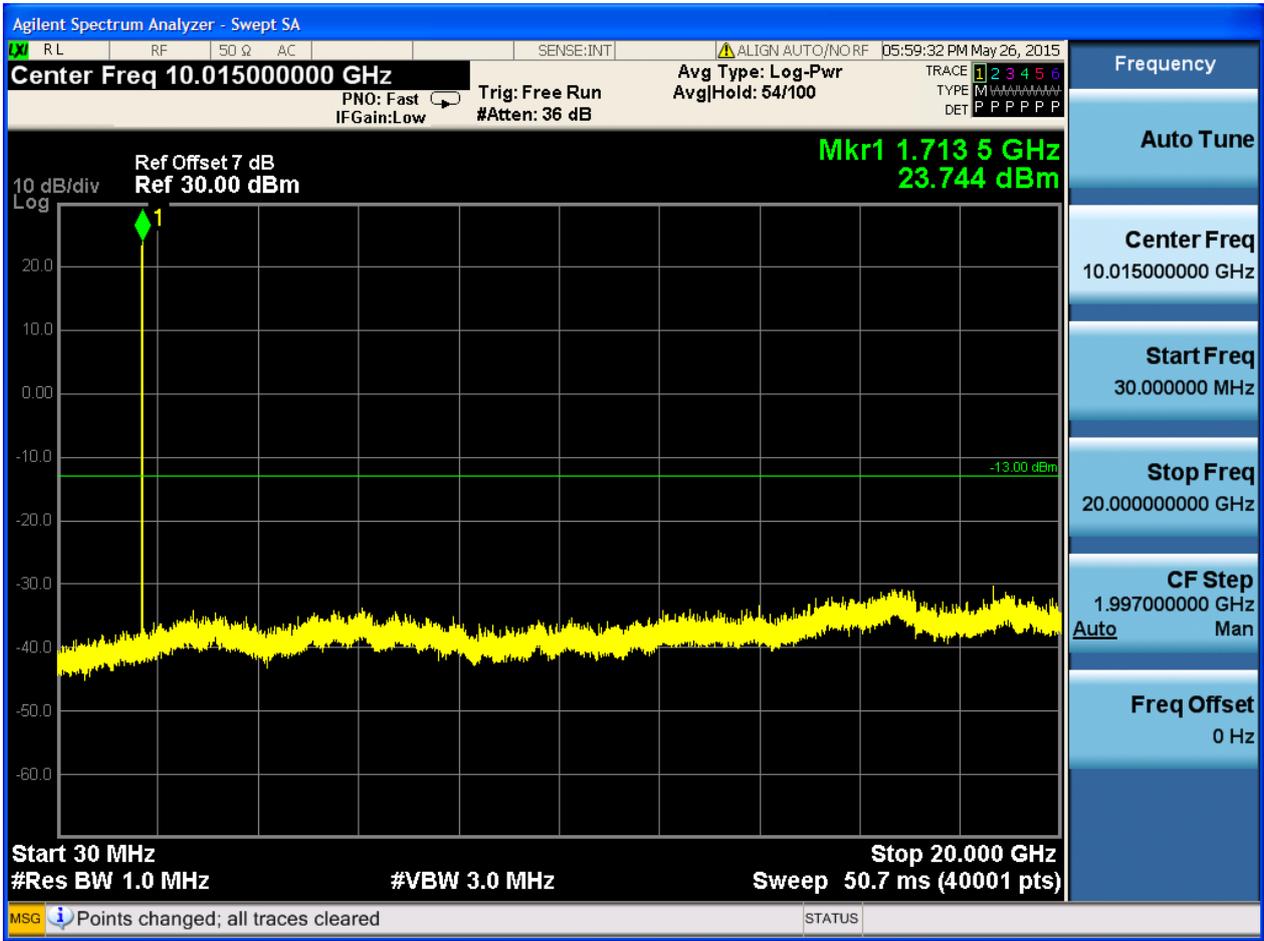
6.2.3 Test Band = WCDMA1700

6.2.3.1 Test Mode = UMTS/TM1

6.2.3.1.1 Test Channel = LCH

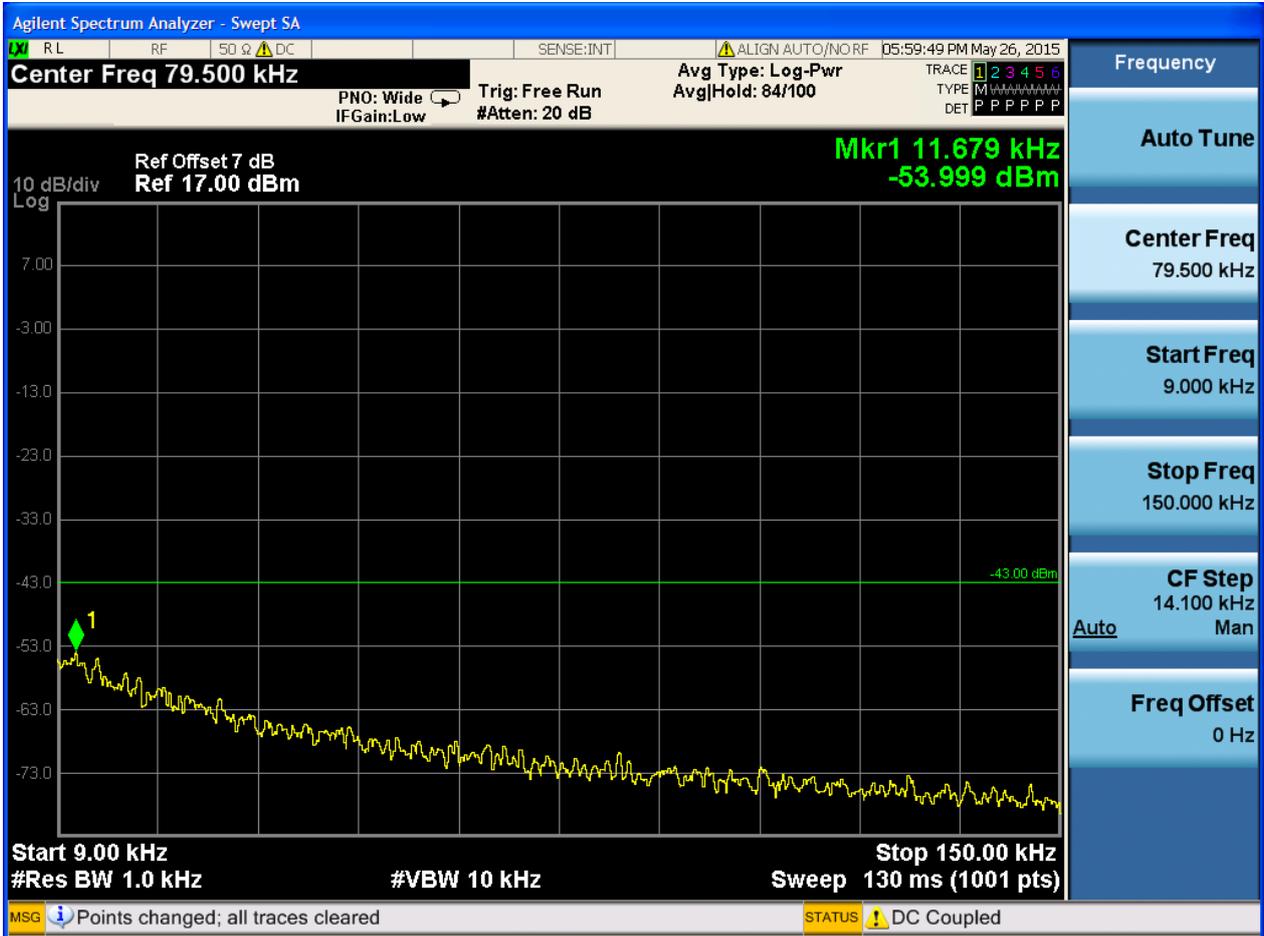


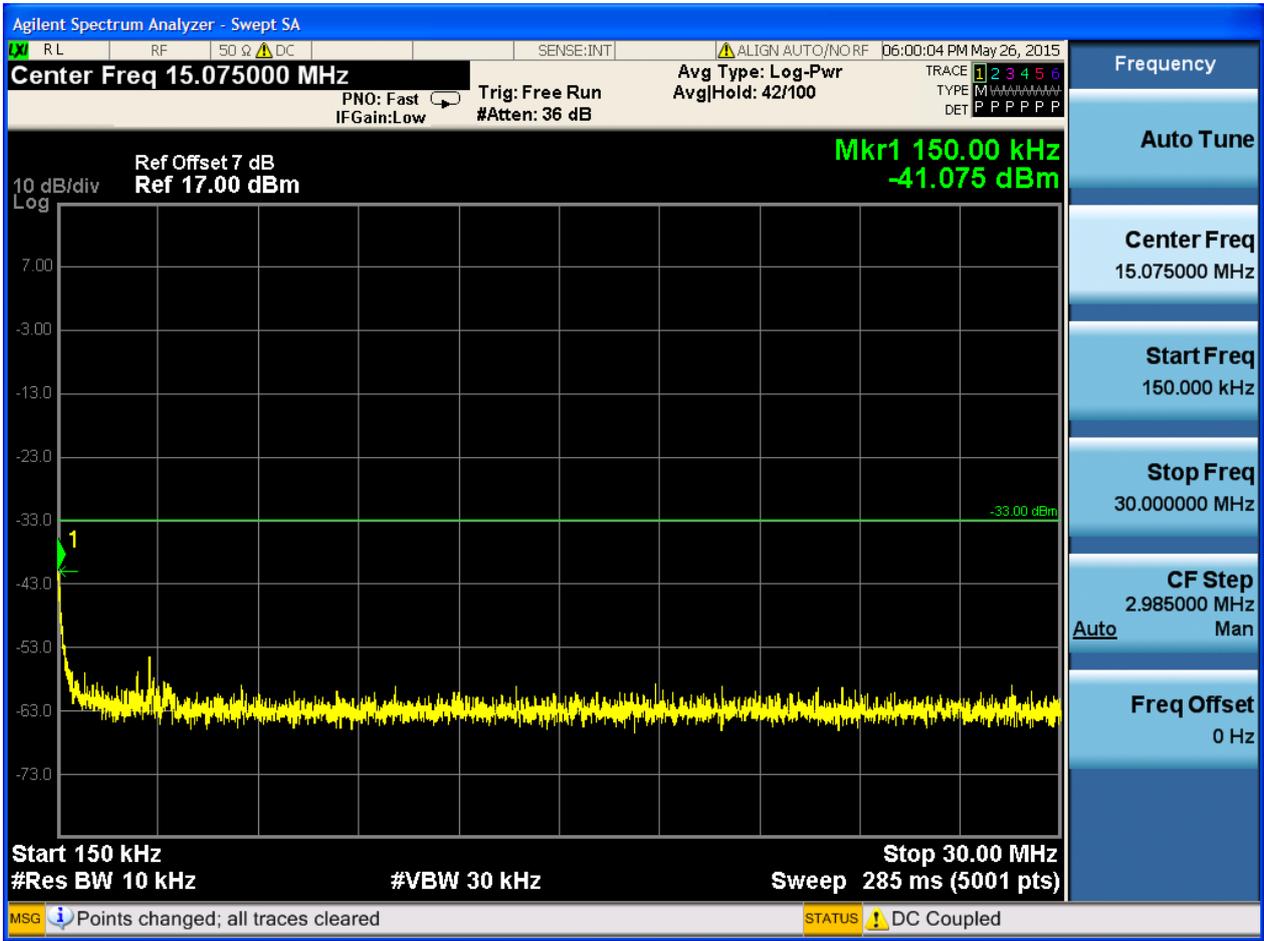


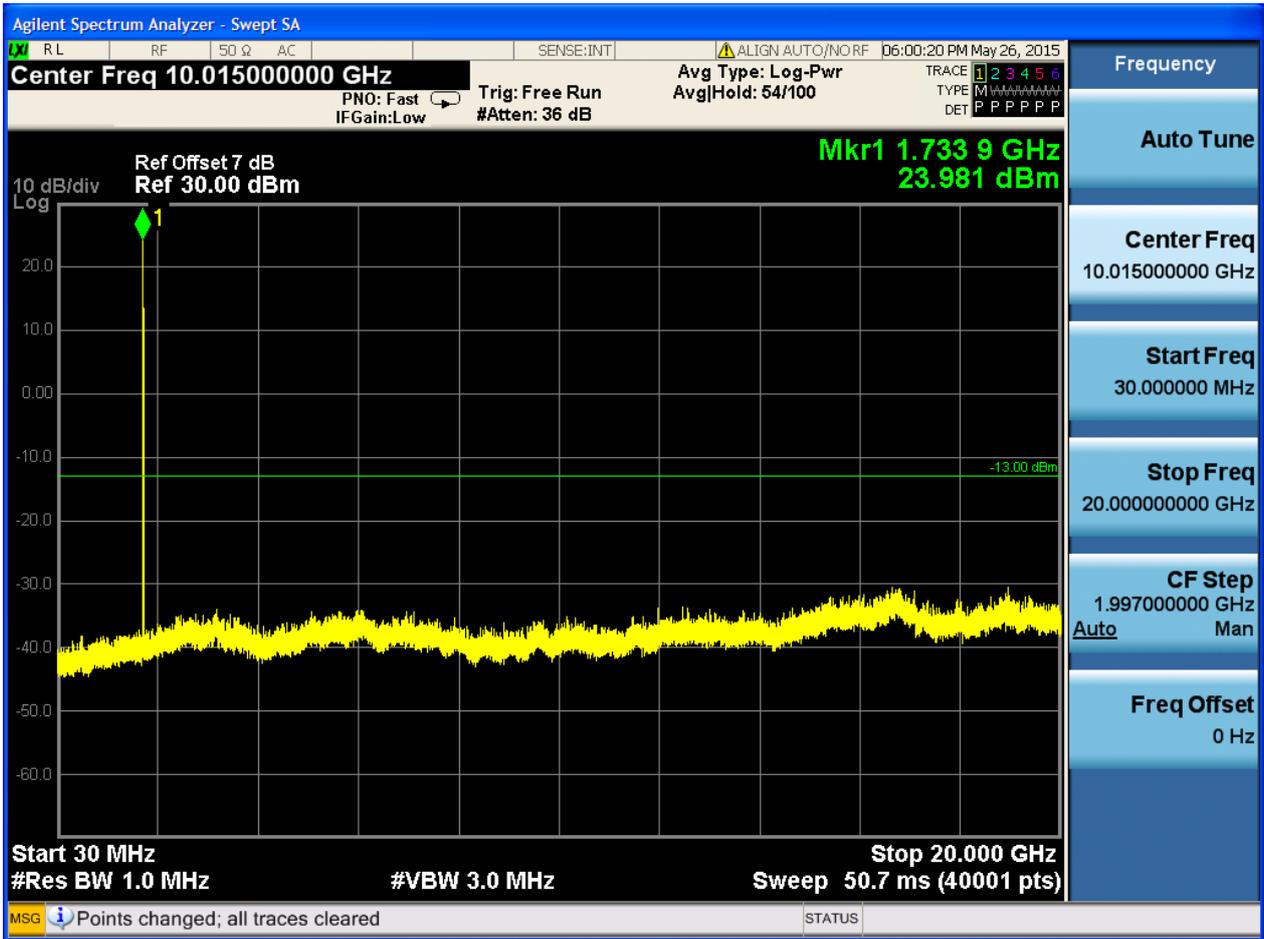




### 6.2.3.1.2 Test Channel = MCH

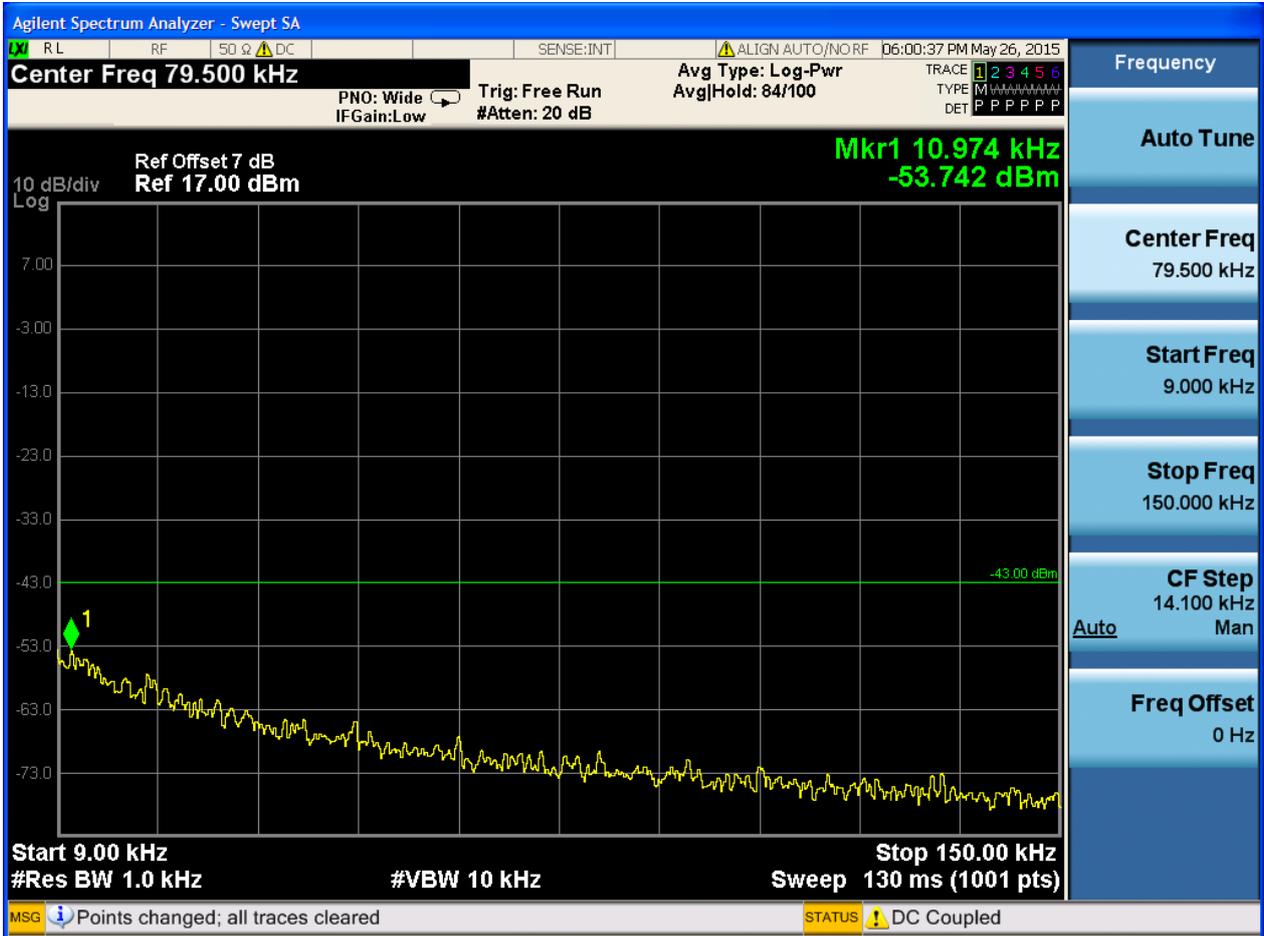


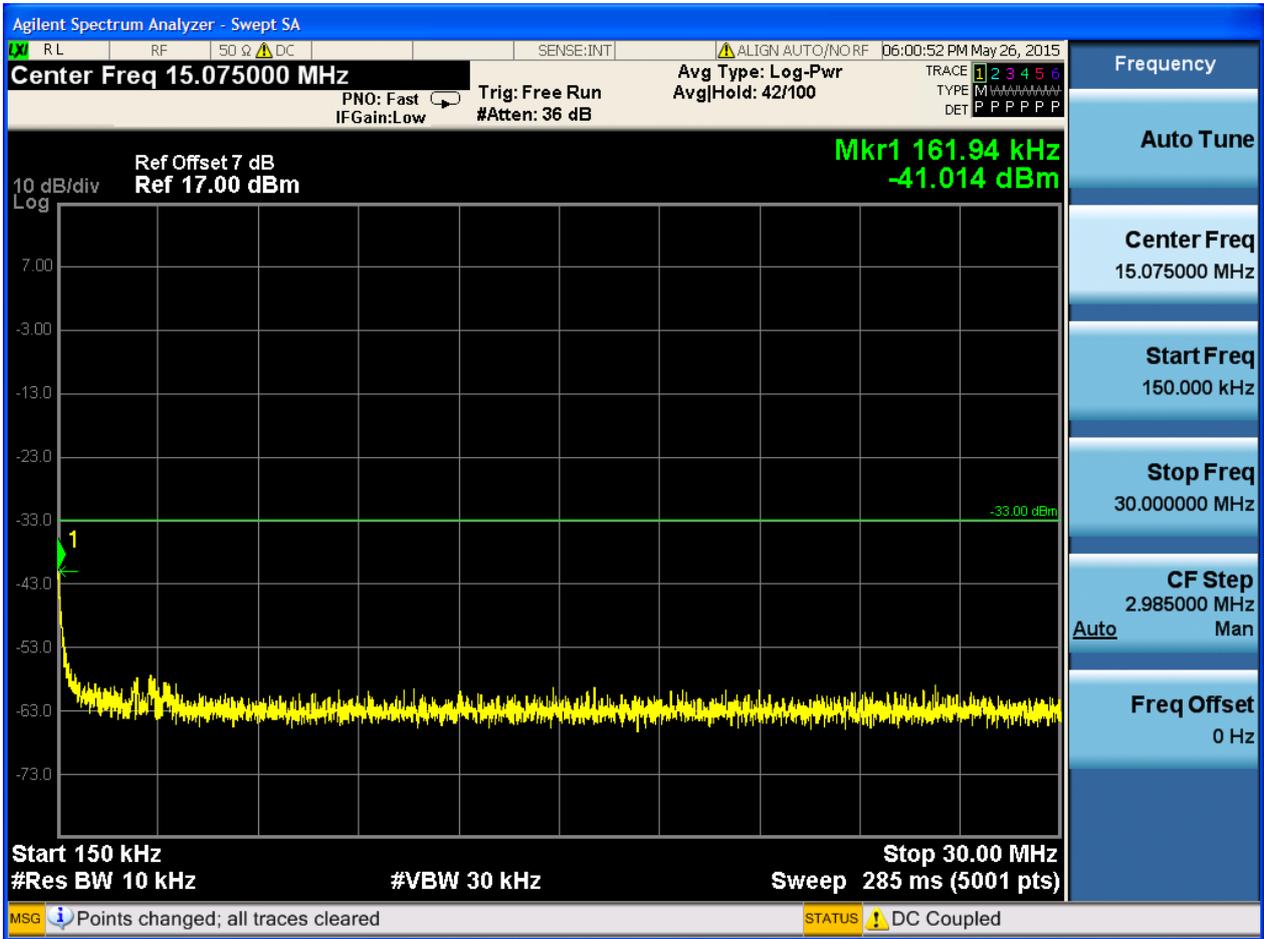


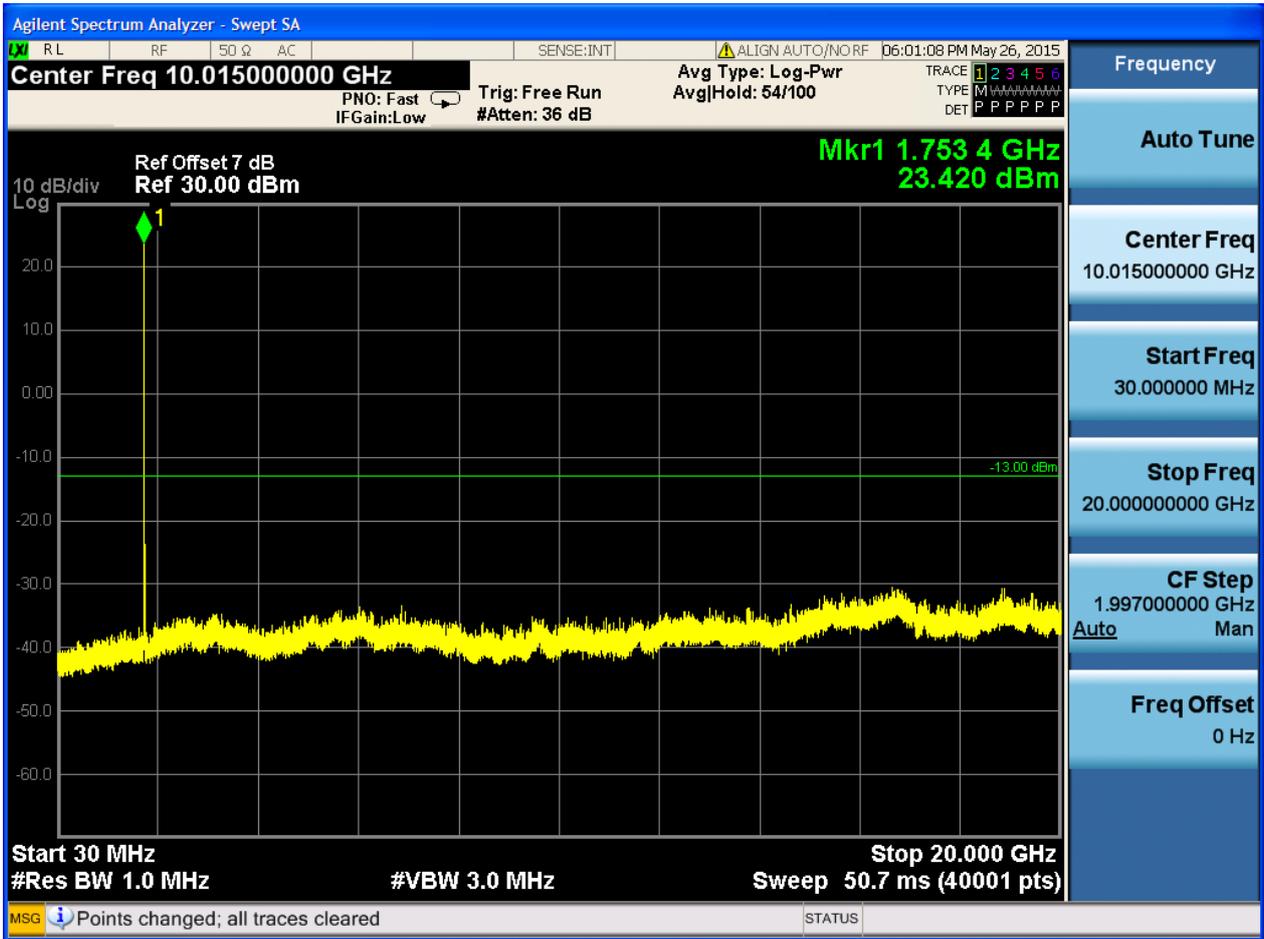




6.2.3.1.3 Test Channel = HCH











## 7Appendix\_G: Field Strength of Spurious Radiation

Note:

No peak found in the Test Range of “9 kHz to 30MHz”

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

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

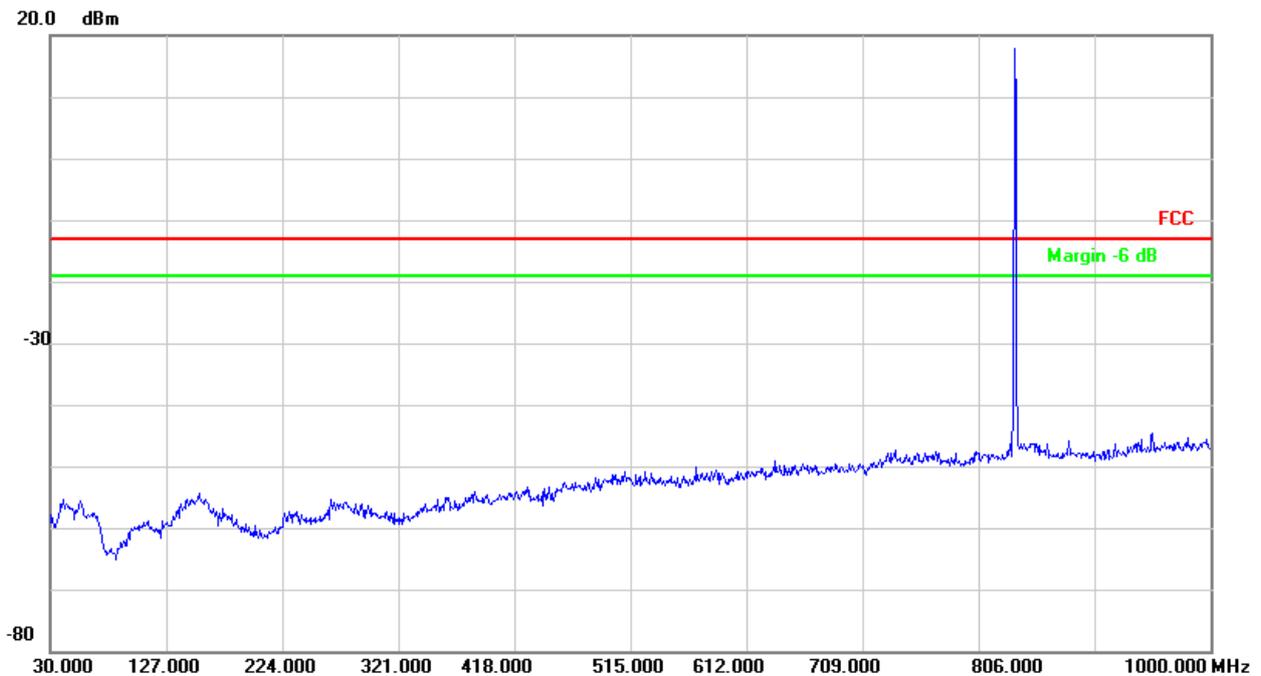
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

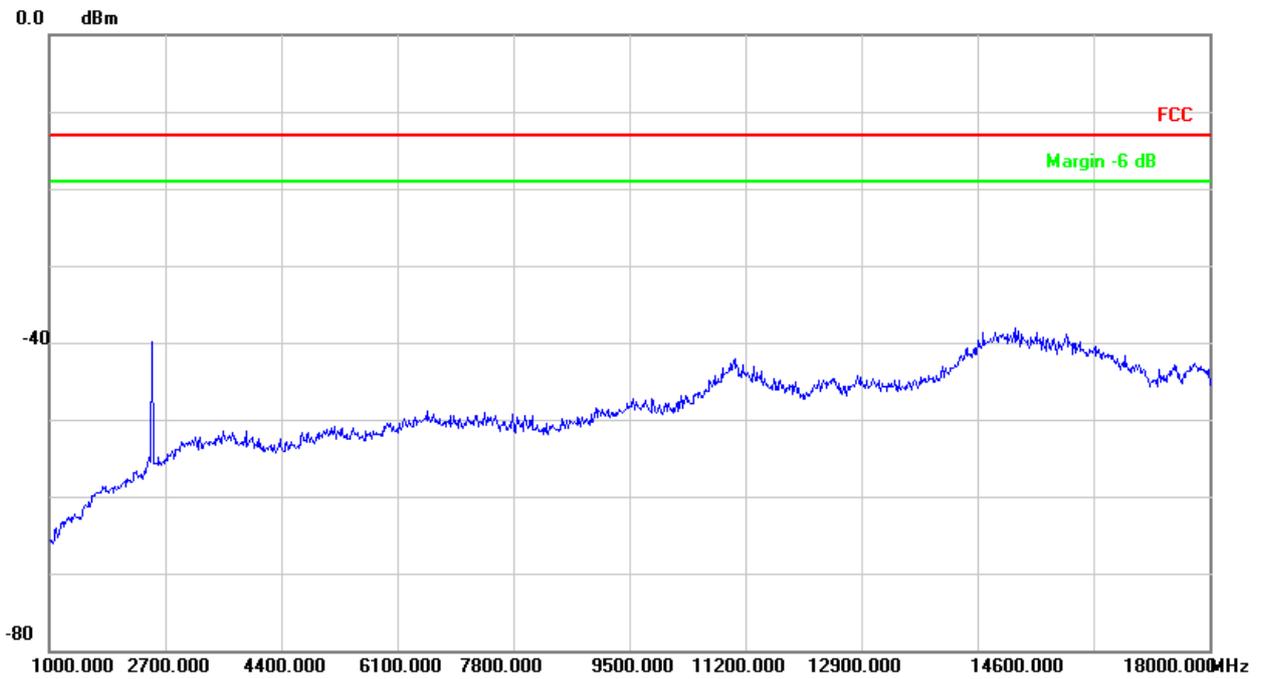
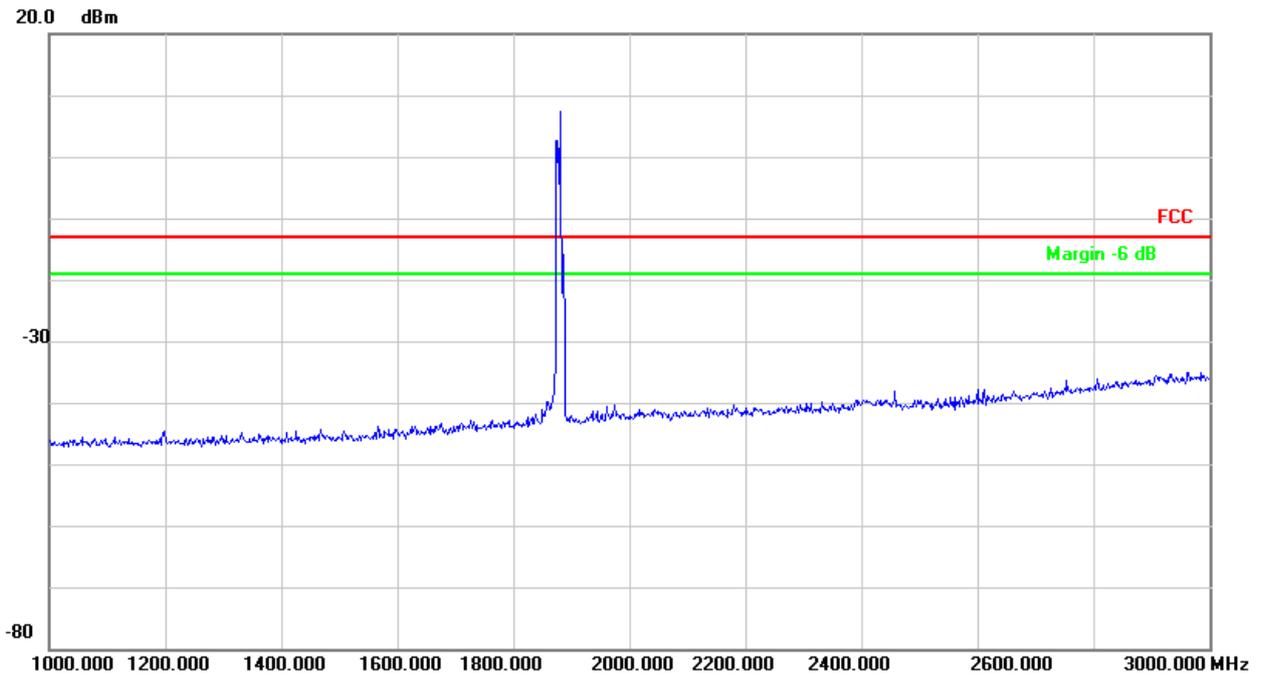
### Part I - Test Plots

#### 7.1 For GSM

##### 7.1.1 Test Band = GSM850

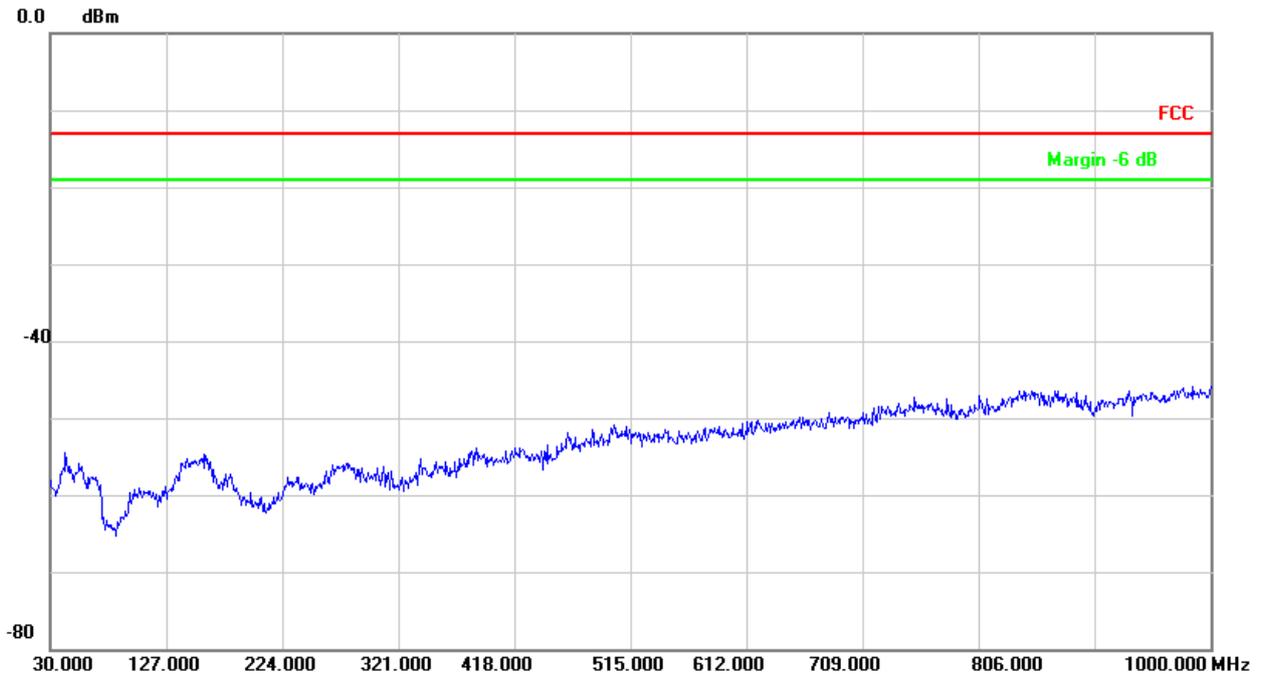
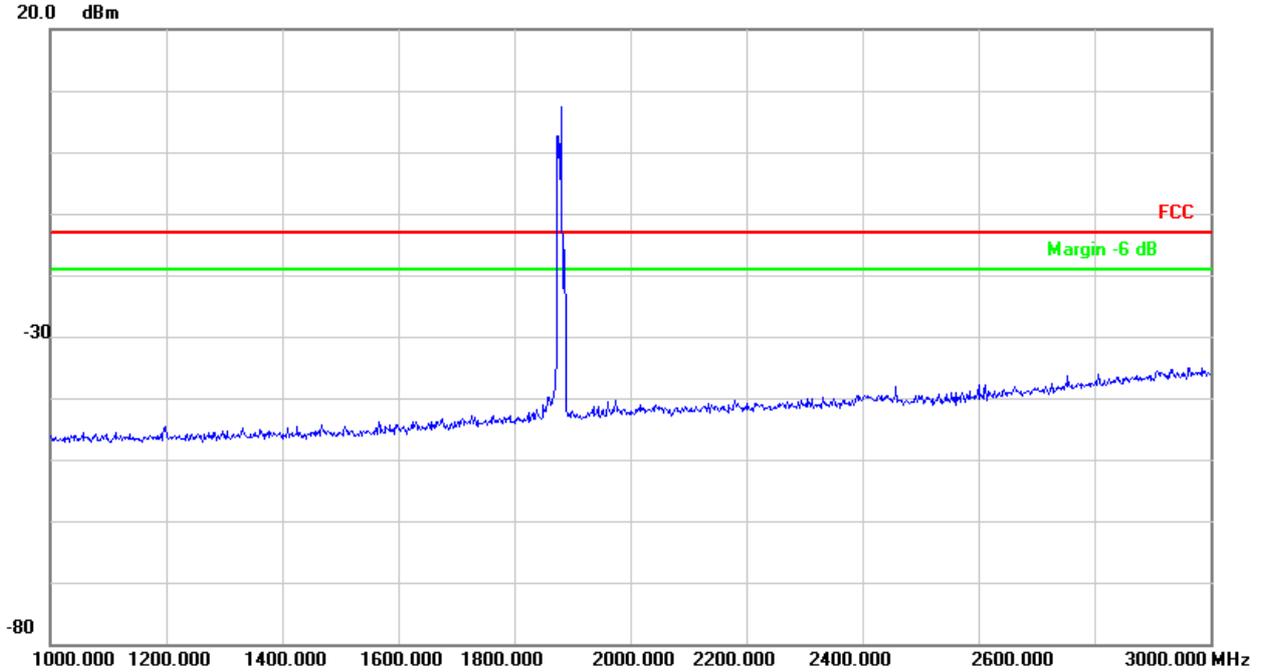
##### 7.1.1.1 Test Mode = GSM/TM1

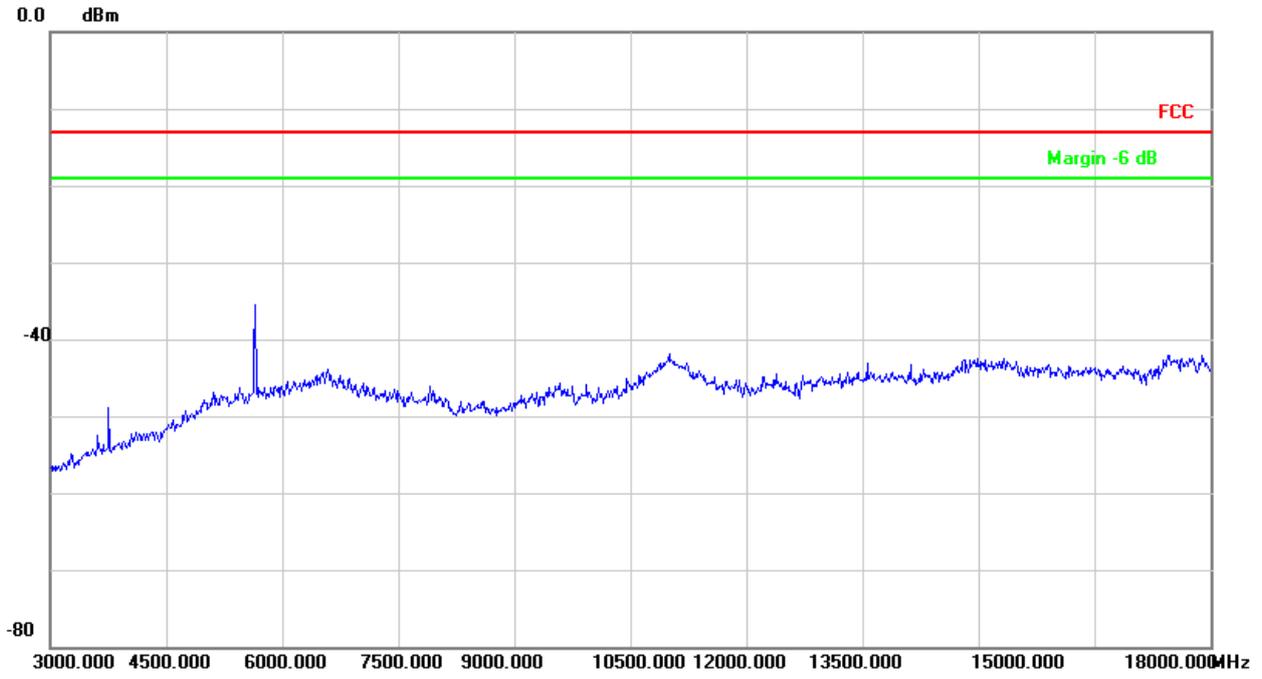




### 7.1.2 Test Band = GSM1900

#### 7.1.2.1 Test Mode = GSM/TM1



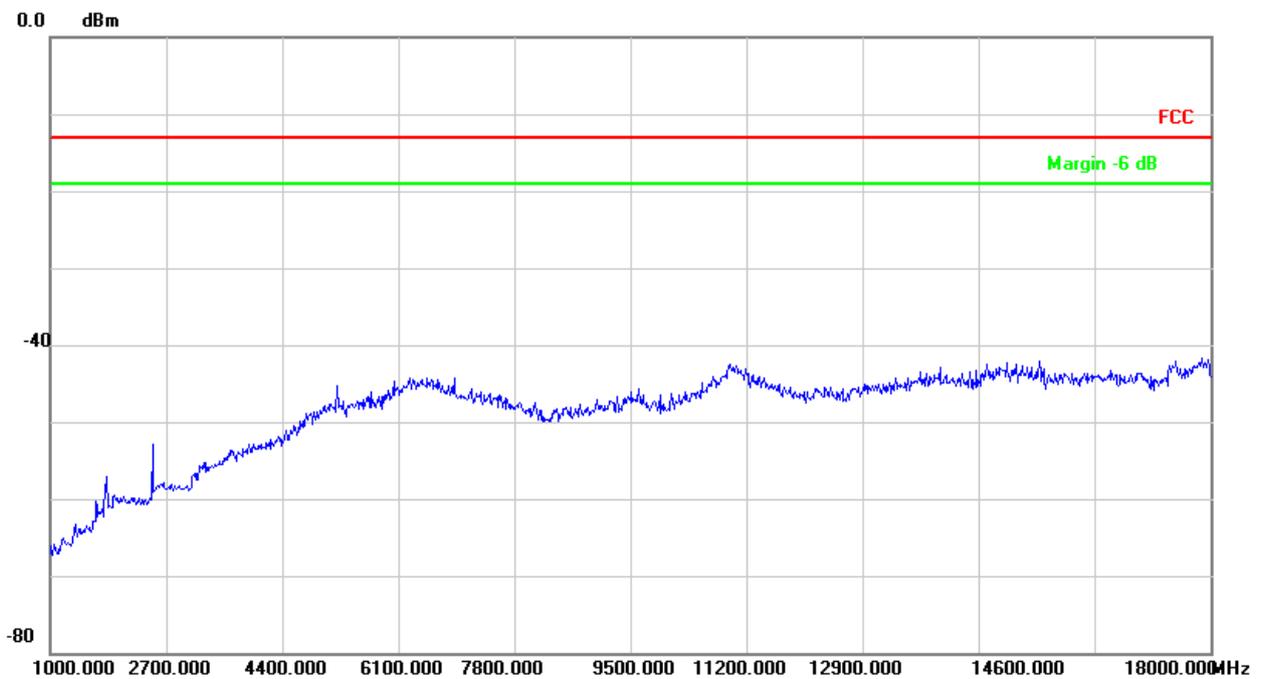
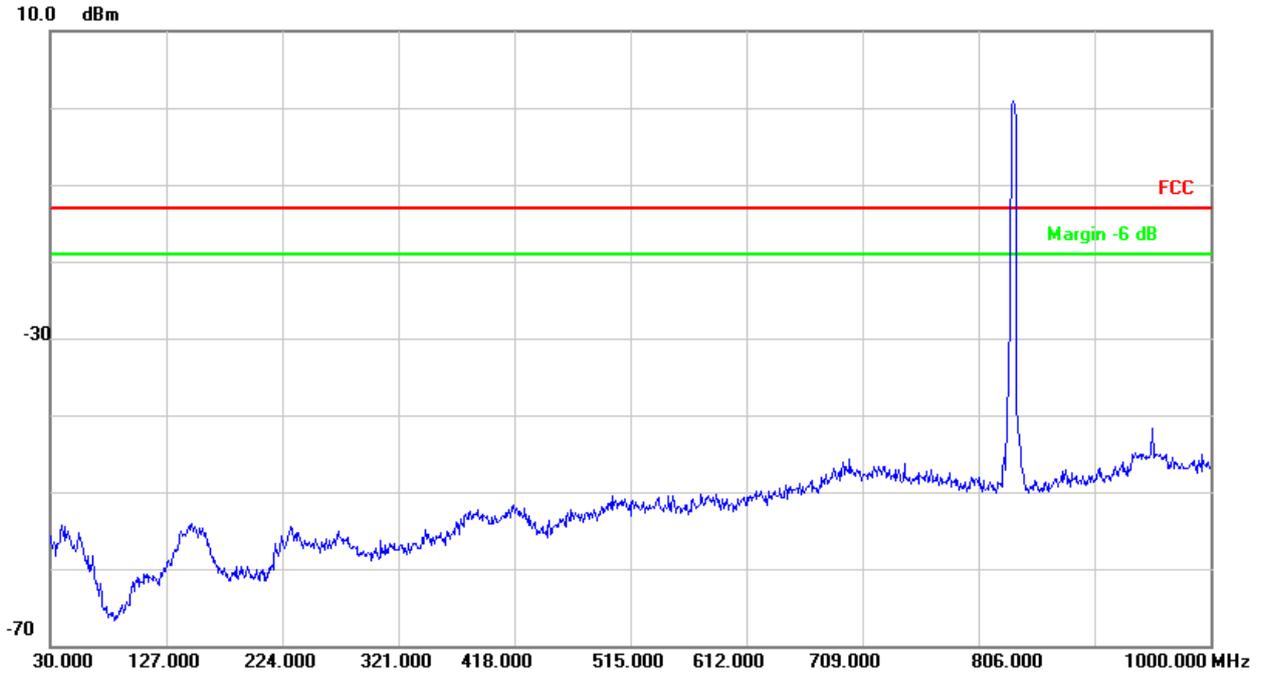




## 7.2 For UMTS

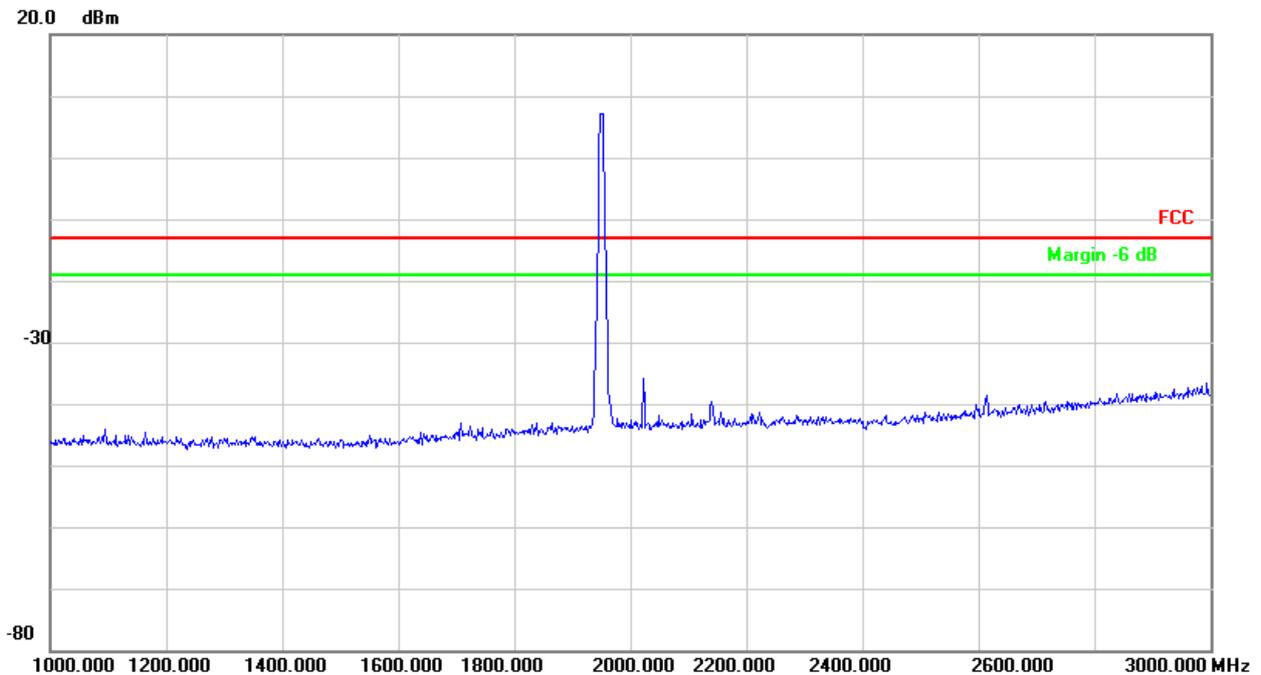
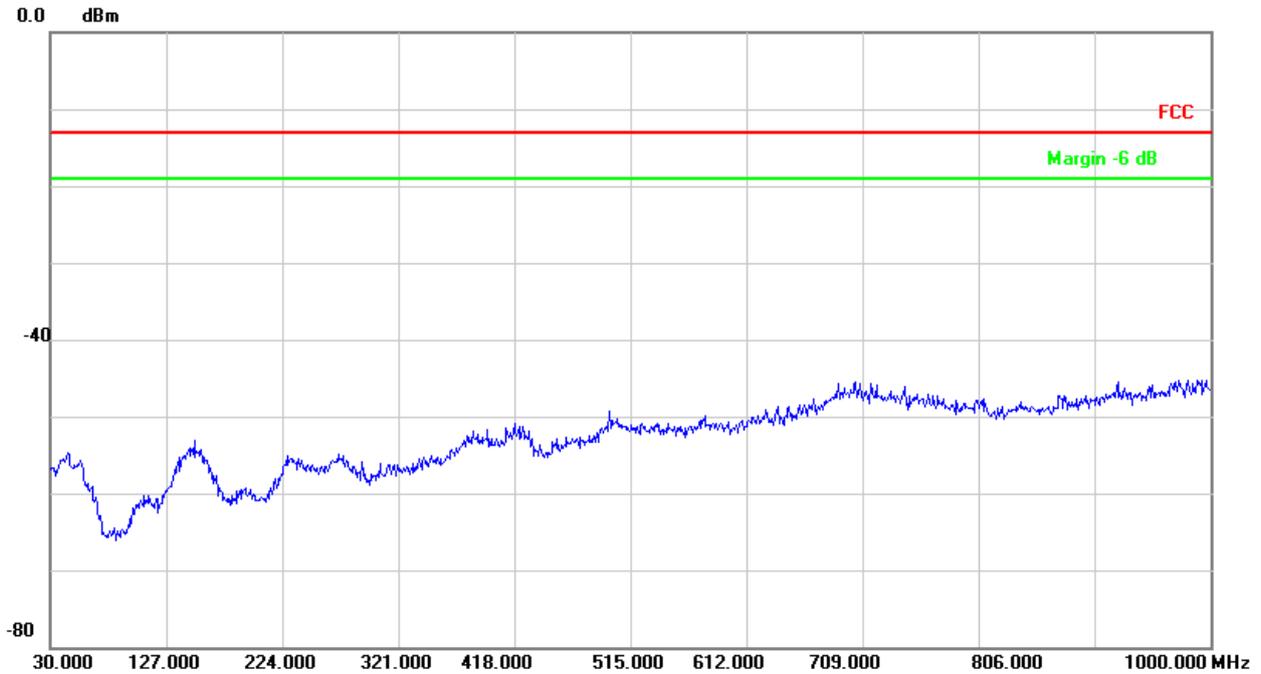
### 7.2.1 Test Band = WCDMA850

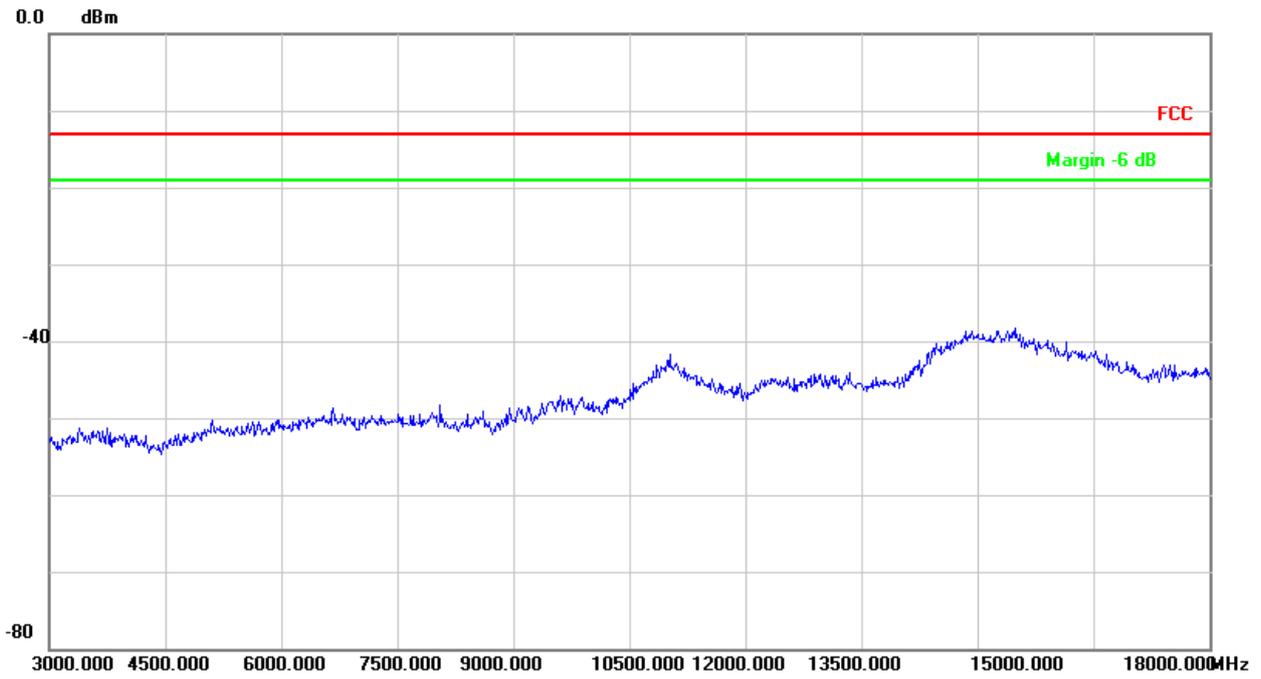
#### 7.2.1.1 Test Mode = UMTS/TM1



## 7.2.2 Test Band = WCDMA1900

### 7.2.2.1 Test Mode = UMTS/TM1

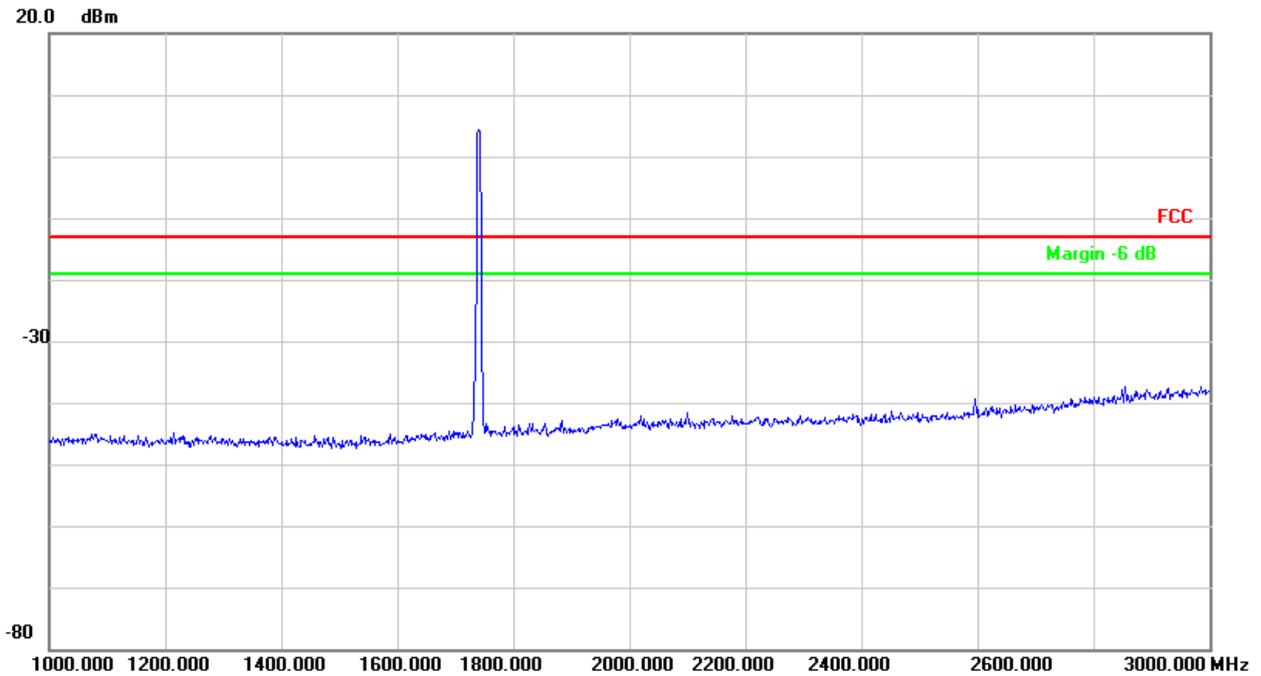
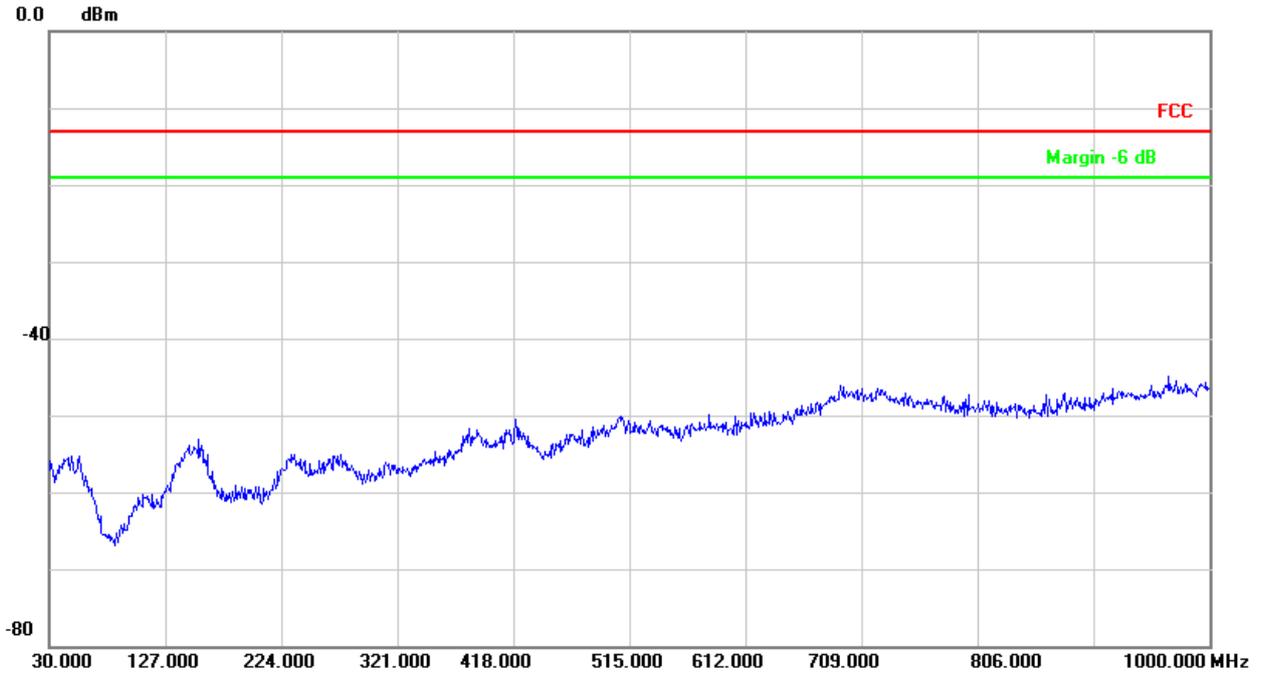


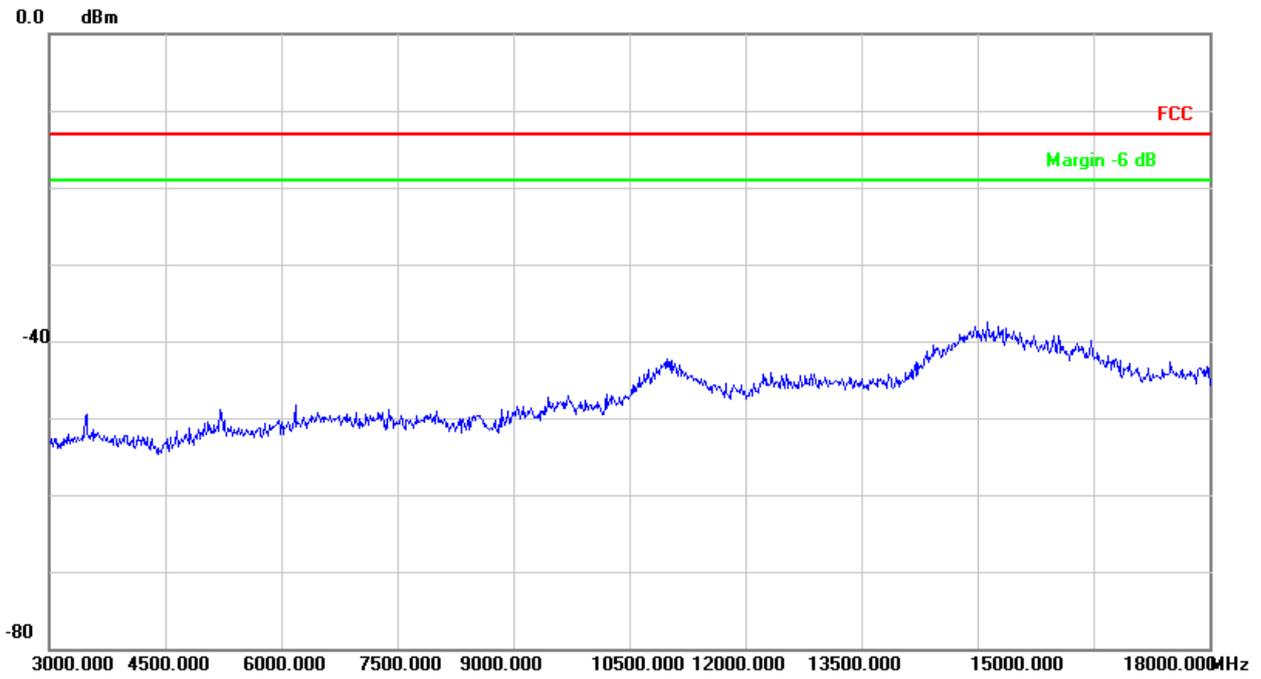




7.2.3 Test Band = WCDMA1700

7.2.3.1 Test Mode = UMTS/TM1





## 8Appendix\_H: Frequency Stability

### 8.1 For GSM

#### 8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM850	GSM/TM1	LCH	TN	VL	-6.97	-0.00846	PASS
				VN	-8.33	-0.01011	PASS
				VH	-5.55	-0.00673	PASS
		MCH	TN	VL	-4.2	-0.00502	PASS
				VN	-8.14	-0.00973	PASS
				VH	-7.49	-0.00895	PASS
		HCH	TN	VL	-5.17	-0.00609	PASS
				VN	-3.94	-0.00464	PASS
				VH	-5.49	-0.00647	PASS
	GSM/TM2	LCH	TN	VL	-7.94	-0.00963	PASS
				VN	-5.23	-0.00635	PASS
				VH	-13.82	-0.01677	PASS
		MCH	TN	VL	-11.75	-0.01404	PASS
				VN	-13.37	-0.01598	PASS
				VH	-6.36	-0.0076	PASS
		HCH	TN	VL	-8.17	-0.00963	PASS
				VN	-5.71	-0.00673	PASS
				VH	-6.65	-0.00783	PASS
GSM1900	GSM/TM1	LCH	TN	VL	11.88	0.00642	PASS
				VN	8.59	0.00464	PASS
				VH	14.59	0.00789	PASS
		MCH	TN	VL	14.27	0.00759	PASS
				VN	14.4	0.00766	PASS
				VH	14.72	0.00783	PASS
		HCH	TN	VL	13.17	0.0069	PASS
				VN	13.3	0.00696	PASS
				VH	3.55	0.00186	PASS
	GSM/TM2	LCH	TN	VL	8.88	0.0048	PASS
				VN	-4.23	-0.00229	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				VH	-0.9	-0.00049	PASS
		MCH	TN	VL	8.68	0.00462	PASS
				VN	2	0.00106	PASS
				VH	13.72	0.0073	PASS
		HCH	TN	VL	11.24	0.00589	PASS
				VN	13.56	0.0071	PASS
				VH	5.84	0.00306	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA1900	UMTS/TM1	LCH	TN	VL	23.39	0.01263	PASS
				VN	1.39	0.00075	PASS
				VH	-6.45	-0.00348	PASS
		MCH	TN	VL	1.04	0.00055	PASS
				VN	-3.2	-0.0017	PASS
				VH	-3.98	-0.00212	PASS
		HCH	TN	VL	4.97	0.00261	PASS
				VN	4.41	0.00231	PASS
				VH	3.23	0.00169	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	15.78	0.00922	PASS
				VN	4.91	0.00287	PASS
				VH	2.75	0.00161	PASS
		MCH	TN	VL	11.4	0.00658	PASS
				VN	4.49	0.00259	PASS
				VH	-3.71	-0.00214	PASS
		HCH	TN	VL	-4.03	-0.0023	PASS
				VN	-2.98	-0.0017	PASS
				VH	0.67	0.00038	PASS
WCDMA850	UMTS/TM1	LCH	TN	VL	-25.83	-0.03126	PASS
				VN	-7.72	-0.00934	PASS
				VH	-4.67	-0.00565	PASS
		MCH	TN	VL	-25.57	-0.03057	PASS
				VN	-13	-0.01554	PASS
				VH	-7.32	-0.00875	PASS
		HCH	TN	VL	-21.45	-0.02534	PASS
				VN	-7.23	-0.00854	PASS
				VH	0.95	0.00112	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
GSM850	GSM/TM1	LCH	VN	-30	-8.46	-.01026	PASS
				-20	-6.97	-.00846	PASS
				-10	-2.84	-.00345	PASS
				0	-4.33	-.00525	PASS
				10	-6.26	-.0076	PASS
				20	-5.29	-.00642	PASS
				30	-1.68	-.00204	PASS
				40	-2.91	-.00353	PASS
				50	-4.13	-.00501	PASS
		MCH	VN	-30	-4.97	-.00594	PASS
				-20	-3.81	-.00455	PASS
				-10	-5.10	-.0061	PASS
				0	-3.16	-.00378	PASS
				10	-4.52	-.0054	PASS
				20	-5.62	-.00672	PASS
				30	-2.13	-.00255	PASS
				40	-4.39	-.00525	PASS
				50	-1.03	-.00123	PASS
		HCH	VN	-30	-4.39	-.00517	PASS
				-20	-4.33	-.0051	PASS
				-10	-5.62	-.00662	PASS
				0	-5.04	-.00594	PASS
				10	-3.68	-.00434	PASS
				20	-4.07	-.0048	PASS
	30			-5.68	-.00669	PASS	
	40			-3.81	-.00449	PASS	
	50			-2.71	-.00319	PASS	
	GSM/TM2	LCH	VN	-30	-12.40	-.01504	PASS
				-20	-11.36	-.01378	PASS
				-10	-18.34	-.02225	PASS
				0	-10.94	-.01327	PASS
				10	-15.05	-.01826	PASS
				20	-8.72	-.01058	PASS
				30	-15.01	-.01821	PASS
				40	-10.20	-.01238	PASS
				50	-8.33	-.01011	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	VN	-30	-11.53	-.01378	PASS
				-20	-6.94	-.0083	PASS
				-10	-9.40	-.01124	PASS
				0	-8.78	-.01049	PASS
				10	-7.75	-.00926	PASS
				20	-7.46	-.00892	PASS
				30	-15.53	-.01856	PASS
				40	-8.14	-.00973	PASS
				50	-4.55	-.00544	PASS
		HCH	VN	-30	-8.75	-.01031	PASS
				-20	-11.62	-.01369	PASS
				-10	-8.81	-.01038	PASS
				0	-16.66	-.01963	PASS
				10	-9.46	-.01115	PASS
				20	-11.95	-.01408	PASS
				30	-9.85	-.0116	PASS
				40	1.10	.0013	PASS
				50	-0.42	-.00049	PASS
WCDMA850	UMTS/TM1	LCH	VN	-30	-18.48	-.02236	PASS
				-20	15.00	.01815	PASS
				-10	-4.04	-.00489	PASS
				0	7.45	.00902	PASS
				10	-3.10	-.00375	PASS
				20	-5.22	-.00632	PASS
				30	5.29	.0064	PASS
				40	3.17	.00384	PASS
				50	3.16	.00382	PASS
		MCH	VN	-30	-4.46	-.00533	PASS
				-20	-5.72	-.00684	PASS
				-10	-0.99	-.00118	PASS
				0	-4.17	-.00499	PASS
				10	10.59	.01266	PASS
				20	21.56	.02578	PASS
				30	2.70	.00323	PASS
				40	1.33	.00159	PASS
				50	2.11	.00252	PASS
		HCH	VN	-30	-1.86	-.0022	PASS
				-20	10.82	.01278	PASS
				-10	-6.24	-.00737	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				0	8.53	.01008	PASS
				10	-8.73	-.01031	PASS
				20	6.88	.00813	PASS
				30	-2.46	-.00291	PASS
				40	1.54	.00182	PASS
				50	0.55	.00065	PASS
GSM1900	GSM/TM1	LCH	VN	-30	2.39	.00129	PASS
				-20	6.78	.00366	PASS
				-10	9.56	.00517	PASS
				0	12.91	.00698	PASS
				10	13.75	.00743	PASS
				20	7.30	.00395	PASS
				30	18.34	.00991	PASS
				40	9.69	.00524	PASS
				50	8.91	.00482	PASS
		MCH	VN	-30	19.69	.01047	PASS
				-20	7.36	.00391	PASS
				-10	11.36	.00604	PASS
				0	7.94	.00422	PASS
				10	11.62	.00618	PASS
				20	8.72	.00464	PASS
				30	15.37	.00818	PASS
				40	16.85	.00896	PASS
				50	9.56	.00509	PASS
	HCH	VN	-30	12.40	.00649	PASS	
			-20	6.59	.00345	PASS	
			-10	12.59	.00659	PASS	
			0	11.69	.00612	PASS	
			10	13.56	.0071	PASS	
			20	19.31	.01011	PASS	
			30	14.33	.0075	PASS	
			40	9.94	.0052	PASS	
			50	14.01	.00734	PASS	
	GSM/TM2	LCH	VN	-30	10.88	.00588	PASS
				-20	1.16	.00063	PASS
				-10	10.43	.00564	PASS
				0	5.26	.00284	PASS
				10	8.23	.00445	PASS
				20	5.26	.00284	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict																																																																																		
				30	-8.59	-.00464	PASS																																																																																		
				40	-2.23	-.00121	PASS																																																																																		
				50	4.91	.00265	PASS																																																																																		
		MCH	VN			-30	5.00	.00266	PASS																																																																																
						-20	2.42	.00129	PASS																																																																																
						-10	9.07	.00482	PASS																																																																																
						0	5.26	.0028	PASS																																																																																
						10	10.98	.00584	PASS																																																																																
						20	7.78	.00414	PASS																																																																																
						30	9.36	.00498	PASS																																																																																
						40	5.07	.0027	PASS																																																																																
						50	14.98	.00797	PASS																																																																																
						HCH	VN			-30	9.65	.00505	PASS																																																																												
										-20	9.72	.00509	PASS																																																																												
		-10	11.14	.00583	PASS																																																																																				
		0	8.20	.00429	PASS																																																																																				
		10	15.46	.0081	PASS																																																																																				
		20	9.49	.00497	PASS																																																																																				
		30	12.04	.0063	PASS																																																																																				
		40	9.40	.00492	PASS																																																																																				
		WCDMA1900	UMTS/TM1	LCH	VN					-30	-42.19	-.02278	PASS	-20	8.35	.00451	PASS	-10	6.91	.00373	PASS	0	6.87	.00371	PASS	10	-2.49	-.00134	PASS	20	0.73	.00039	PASS	30	-1.01	-.00055	PASS	40	2.38	.00128	PASS	50	5.23	.00282	PASS	MCH	VN							-30	-24.55	-.01306	PASS	-20	3.62	.00193	PASS	-10	-0.24	-.00013	PASS	0	-0.32	-.00017	PASS	10	-0.73	-.00039	PASS	20	-1.68	-.00089	PASS	30	9.57	.00509	PASS	40	-4.01	-.00213	PASS	50	-3.22	-.00171	PASS
										-30	-42.19	-.02278	PASS																																																																												
										-20	8.35	.00451	PASS																																																																												
										-10	6.91	.00373	PASS																																																																												
										0	6.87	.00371	PASS																																																																												
										10	-2.49	-.00134	PASS																																																																												
										20	0.73	.00039	PASS																																																																												
										30	-1.01	-.00055	PASS																																																																												
40	2.38									.00128	PASS																																																																														
50	5.23									.00282	PASS																																																																														
MCH	VN															-30	-24.55	-.01306	PASS	-20	3.62	.00193	PASS	-10	-0.24	-.00013	PASS	0	-0.32	-.00017	PASS	10	-0.73	-.00039	PASS	20	-1.68	-.00089	PASS	30	9.57	.00509	PASS	40	-4.01	-.00213	PASS	50	-3.22	-.00171	PASS																																						
				-30	-24.55	-.01306	PASS																																																																																		
				-20	3.62	.00193	PASS																																																																																		
				-10	-0.24	-.00013	PASS																																																																																		
				0	-0.32	-.00017	PASS																																																																																		
				10	-0.73	-.00039	PASS																																																																																		
				20	-1.68	-.00089	PASS																																																																																		
30	9.57			.00509	PASS																																																																																				
40	-4.01			-.00213	PASS																																																																																				
50	-3.22			-.00171	PASS																																																																																				

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		HCH	VN	-30	-26.57	-.01393	PASS
				-20	1.77	.00093	PASS
				-10	9.90	.00519	PASS
				0	-2.88	-.00151	PASS
				10	-6.93	-.00363	PASS
				20	-5.13	-.00269	PASS
				30	-4.04	-.00212	PASS
				40	-5.68	-.00298	PASS
				50	1.79	.00094	PASS
WCDMA1700	UMTS/TM1	LCH	VN	-30	-14.13	-.00825	PASS
				-20	13.14	.00767	PASS
				-10	2.40	.0014	PASS
				0	2.96	.00173	PASS
				10	6.01	.00351	PASS
				20	4.67	.00273	PASS
				30	4.01	.00234	PASS
				40	1.46	.00085	PASS
				50	2.33	.00136	PASS
		MCH	VN	-30	-21.00	-.01212	PASS
				-20	6.90	.00398	PASS
				-10	7.78	.00449	PASS
				0	7.63	.0044	PASS
				10	0.64	.00037	PASS
				20	3.40	.00196	PASS
				30	-0.53	-.00031	PASS
				40	2.03	.00117	PASS
				50	-4.44	-.00256	PASS
		HCH	VN	-30	-23.35	-.01332	PASS
				-20	5.74	.00328	PASS
				-10	2.41	.00138	PASS
				0	1.54	.00088	PASS
				10	-3.49	-.00199	PASS
				20	3.60	.00205	PASS
				30	5.19	.00296	PASS
				40	6.56	.00374	PASS
				50	-1.31	-.00075	PASS

END