



# Appendix for test report

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

### Part I - Test Results

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
GSM850	GSM/TM1	LCH	32.41	31.26	38.5	PASS
		MCH	32.34	31.19	38.5	PASS
		HCH	32.59	31.44	38.5	PASS
	GSM/TM2	LCH	27.63	26.48	38.5	PASS
		MCH	27.67	26.52	38.5	PASS
		HCH	27.59	26.44	38.5	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
GSM1900	GSM/TM1	LCH	29.93	32.81	33	PASS
		MCH	29.52	32.4	33	PASS
		HCH	29.15	32.03	33	PASS
	GSM/TM2	LCH	27.27	30.15	33	PASS
		MCH	27.3	30.18	33	PASS



Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		HCH	27.2	30.08	33	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
WCDMA850	UMTS/TM1	LCH	23.30	22.15	38.5	PASS
		MCH	23.47	22.32	38.5	PASS
		HCH	23.48	22.33	38.5	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
WCDMA1900	UMTS/TM1	LCH	23.69	26.57	33	PASS
		MCH	23.32	26.2	33	PASS
		HCH	23.99	26.87	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
GSM1900	GSM/TM1	LCH	0.14	13	PASS
		MCH	0.12	13	PASS
		HCH	0.13	13	PASS
	GSM/TM2	LCH	2.58	13	PASS
		MCH	2.27	13	PASS
		HCH	2.23	13	PASS
WCDMA1900	UMTS/TM1	LCH	3.42	13	PASS
		MCH	3.48	13	PASS
		HCH	3.38	13	PASS

### 3Appendix\_C: Modulation Characteristics

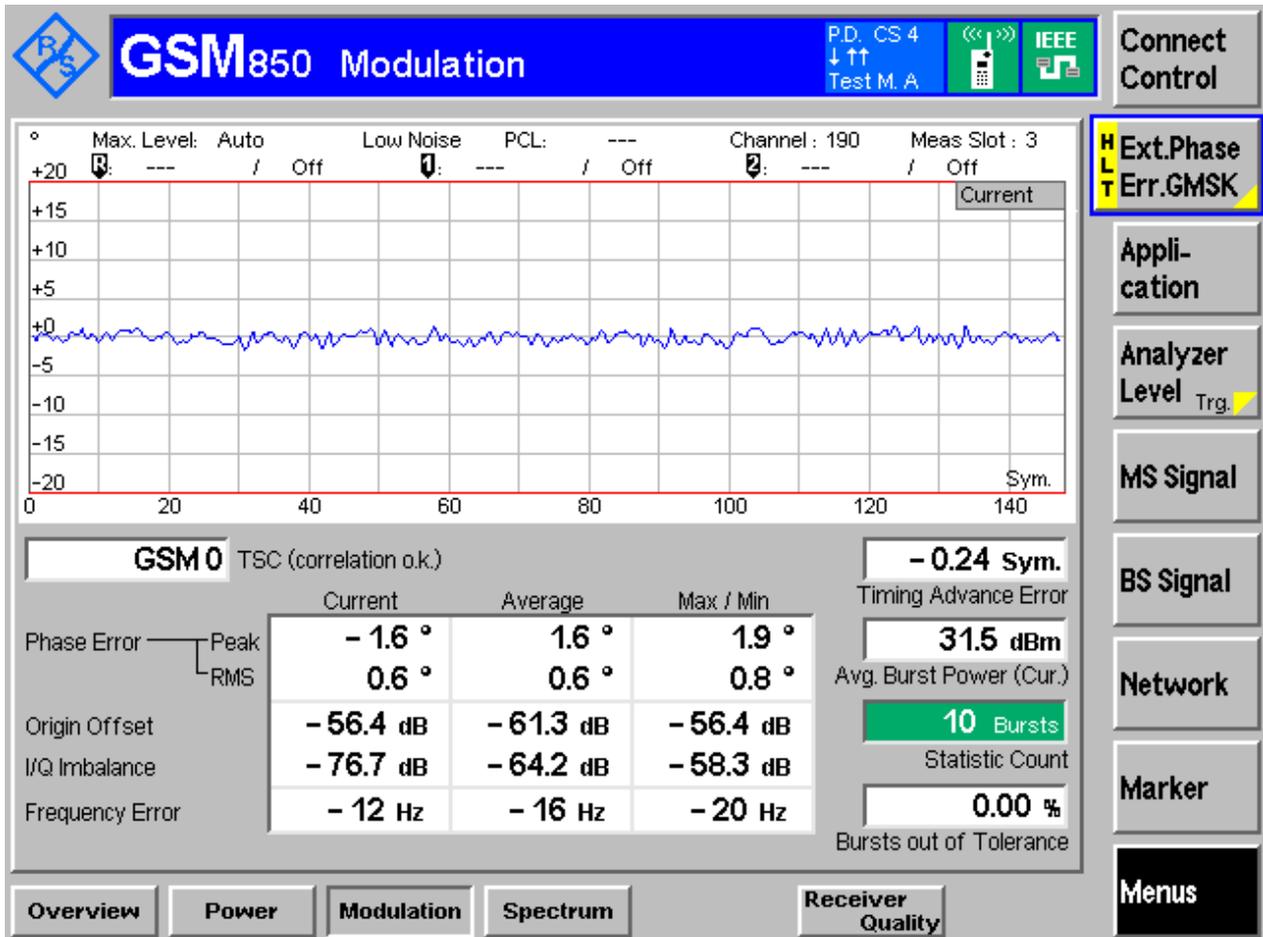
#### Part I - Test Plots

#### 3.1 For GSM

#### 3.1.1 Test Band = GSM850

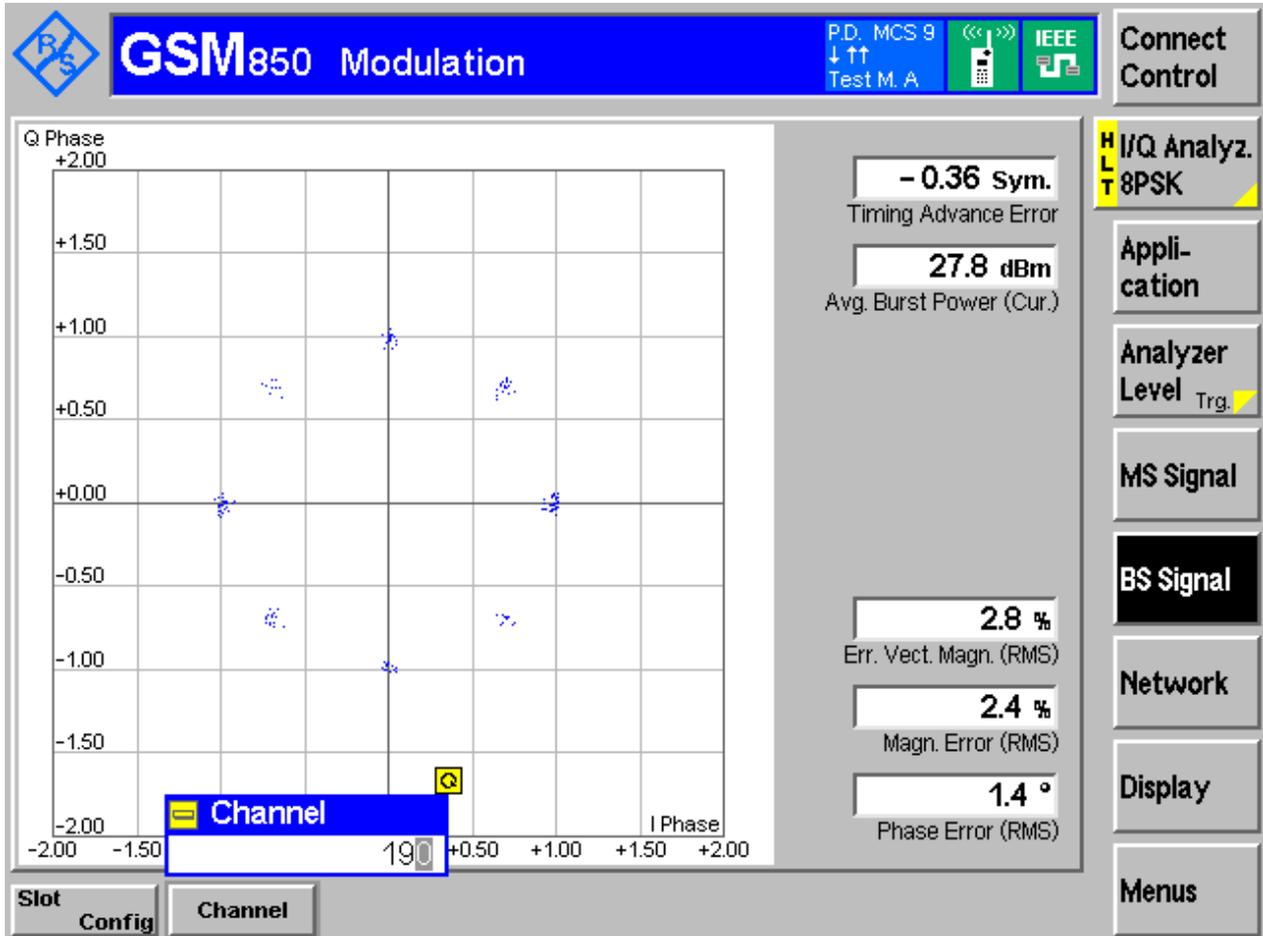
#### 3.1.1.1 Test Mode = GSM/TM1

#### 3.1.1.1.1 Test Channel = MCH



### 3.1.1.2 Test Mode = GSM/TM2

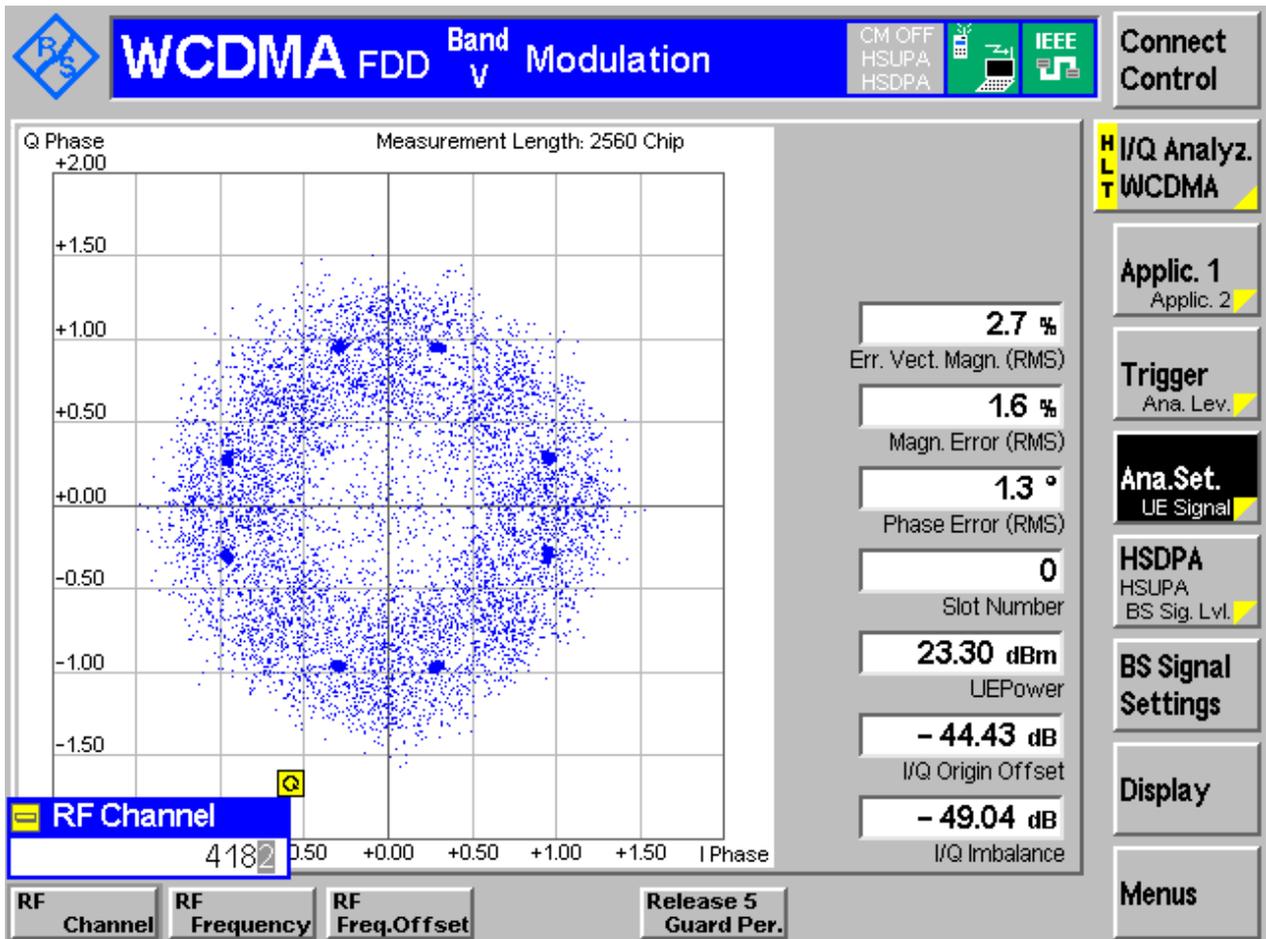
#### 3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = WCDMA850

3.1.2.1 Test Mode = UMTS/TM1

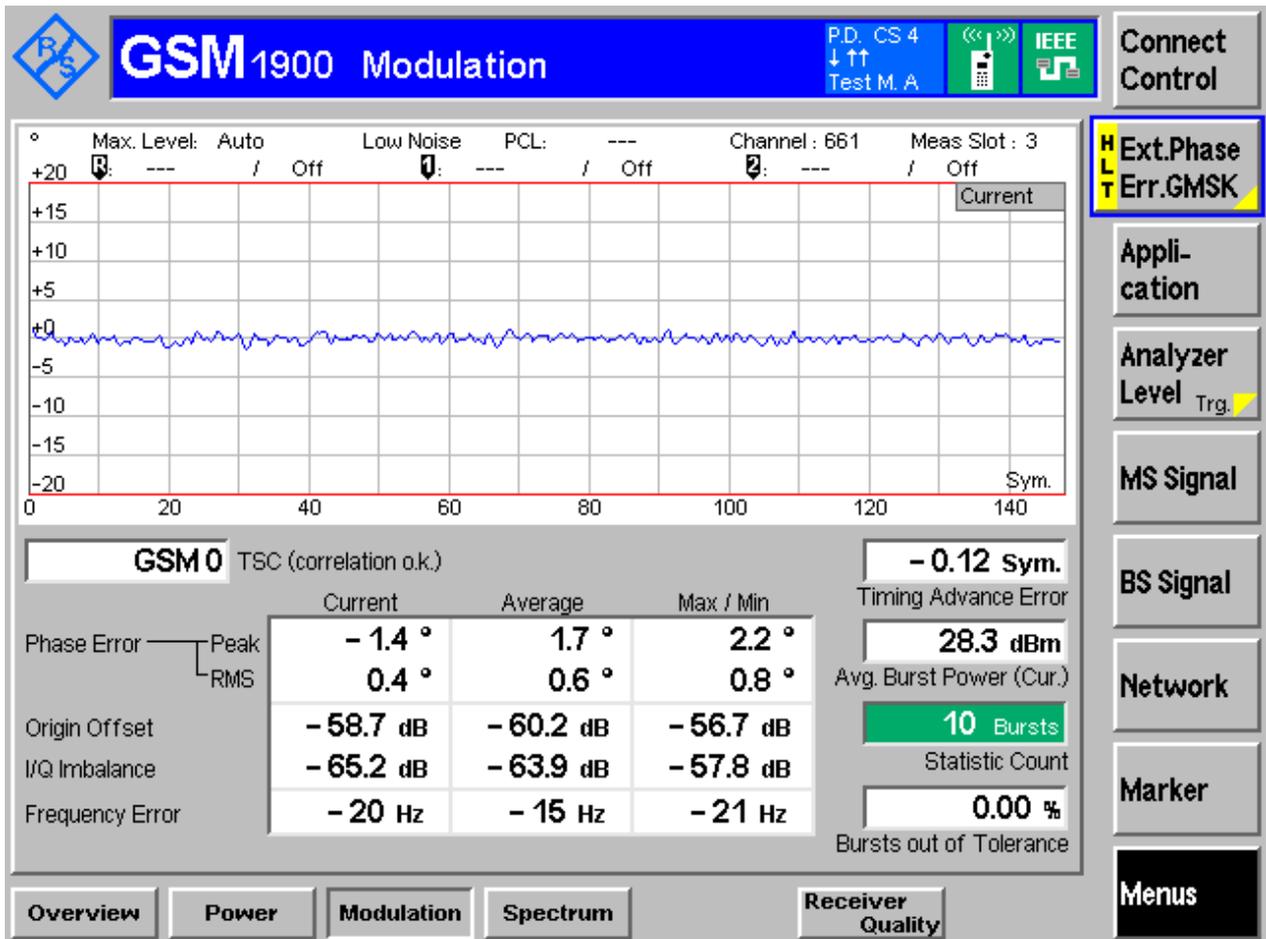
3.1.2.1.1 Test Channel = MCH



3.1.3 Test Band = GSM1900

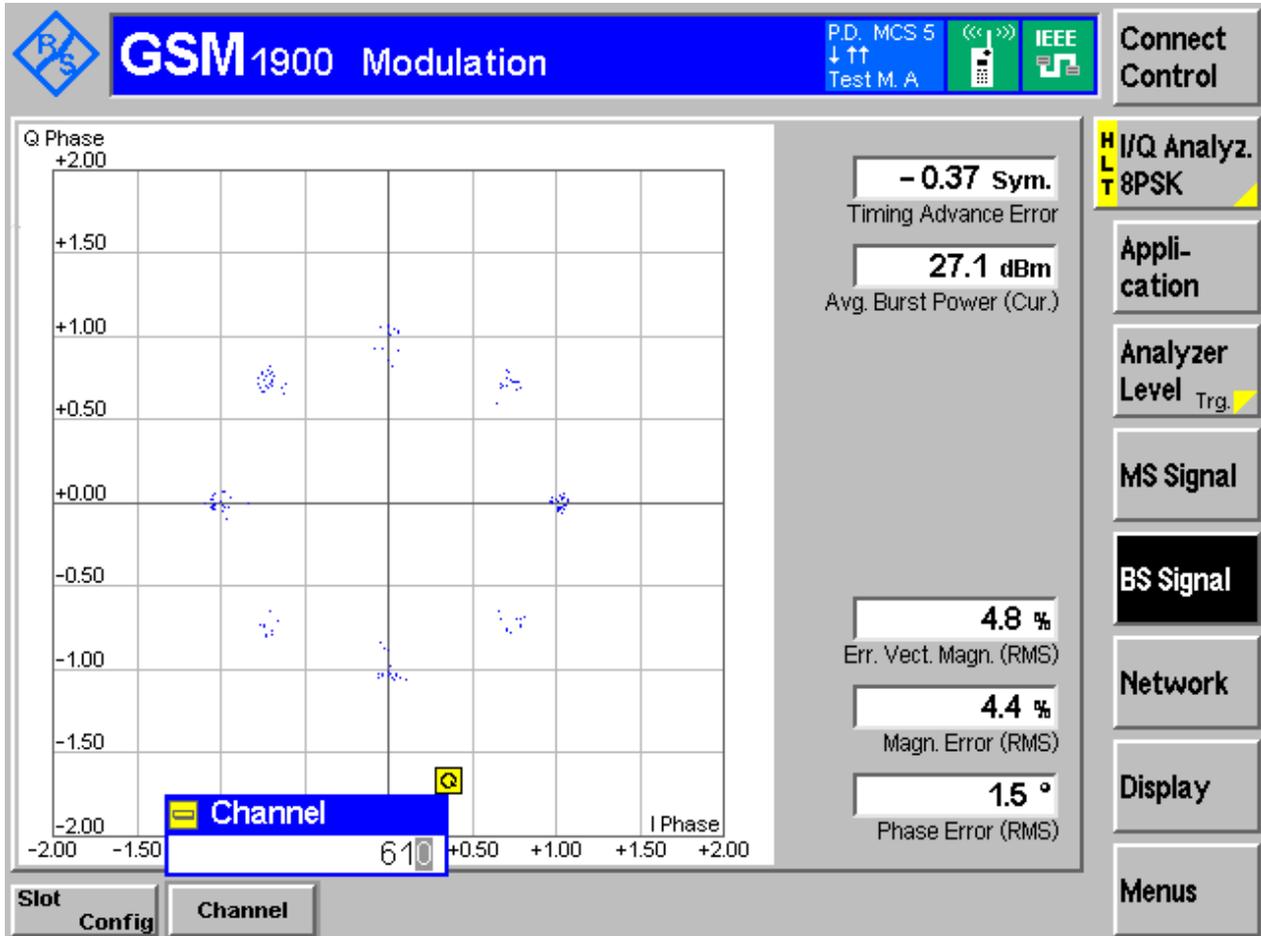
3.1.3.1 Test Mode = GSM/TM1

3.1.3.1.1 Test Channel = MCH



### 3.1.3.2 Test Mode = GSM/TM2

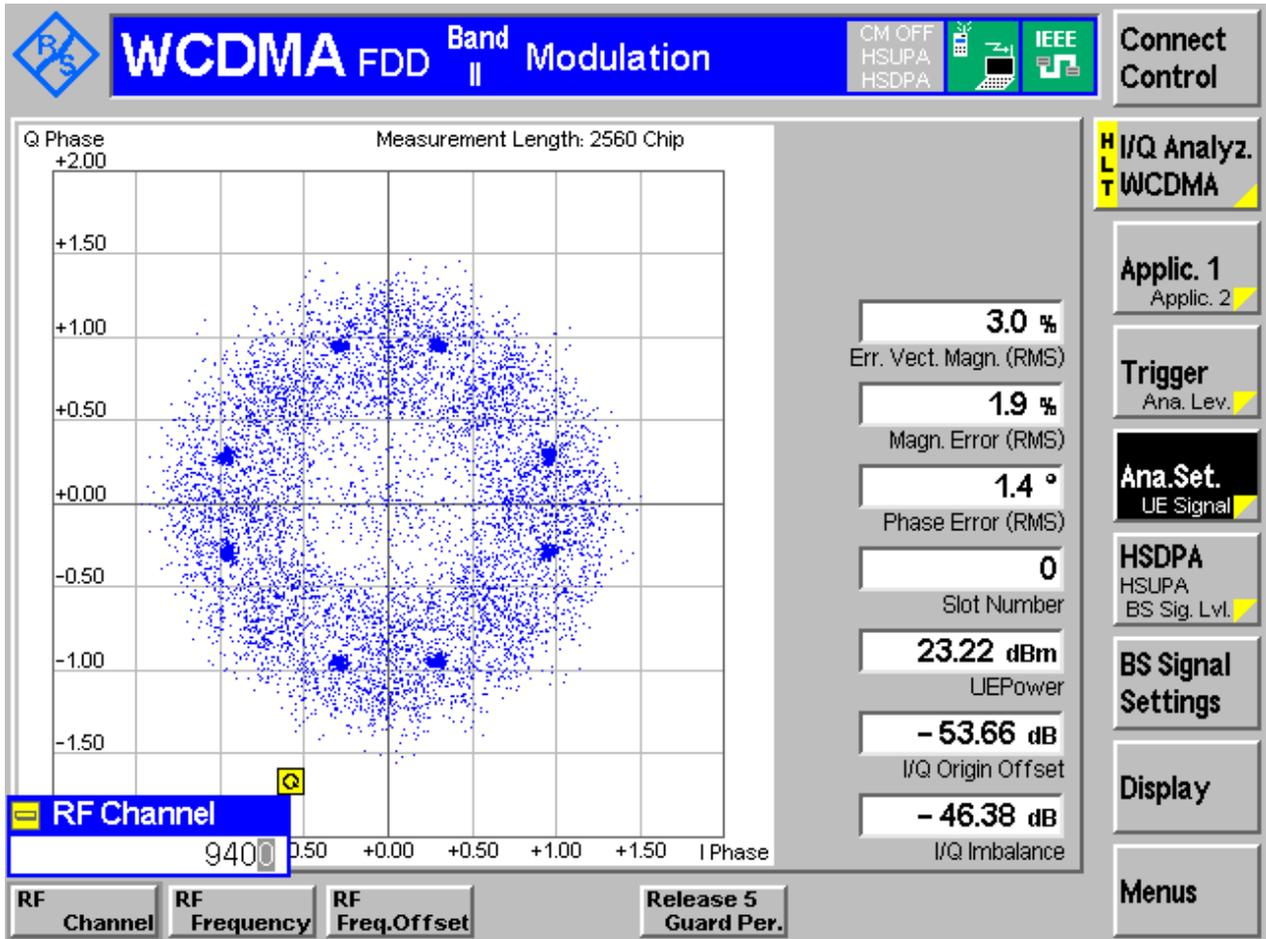
#### 3.1.3.2.1 Test Channel = MCH



3.1.4 Test Band = WCDMA1900

3.1.4.1 Test Mode = UMTS/TM1

3.1.4.1.1 Test Channel = MCH



## 4Appendix\_D: Bandwidth

### Part I - Test Results

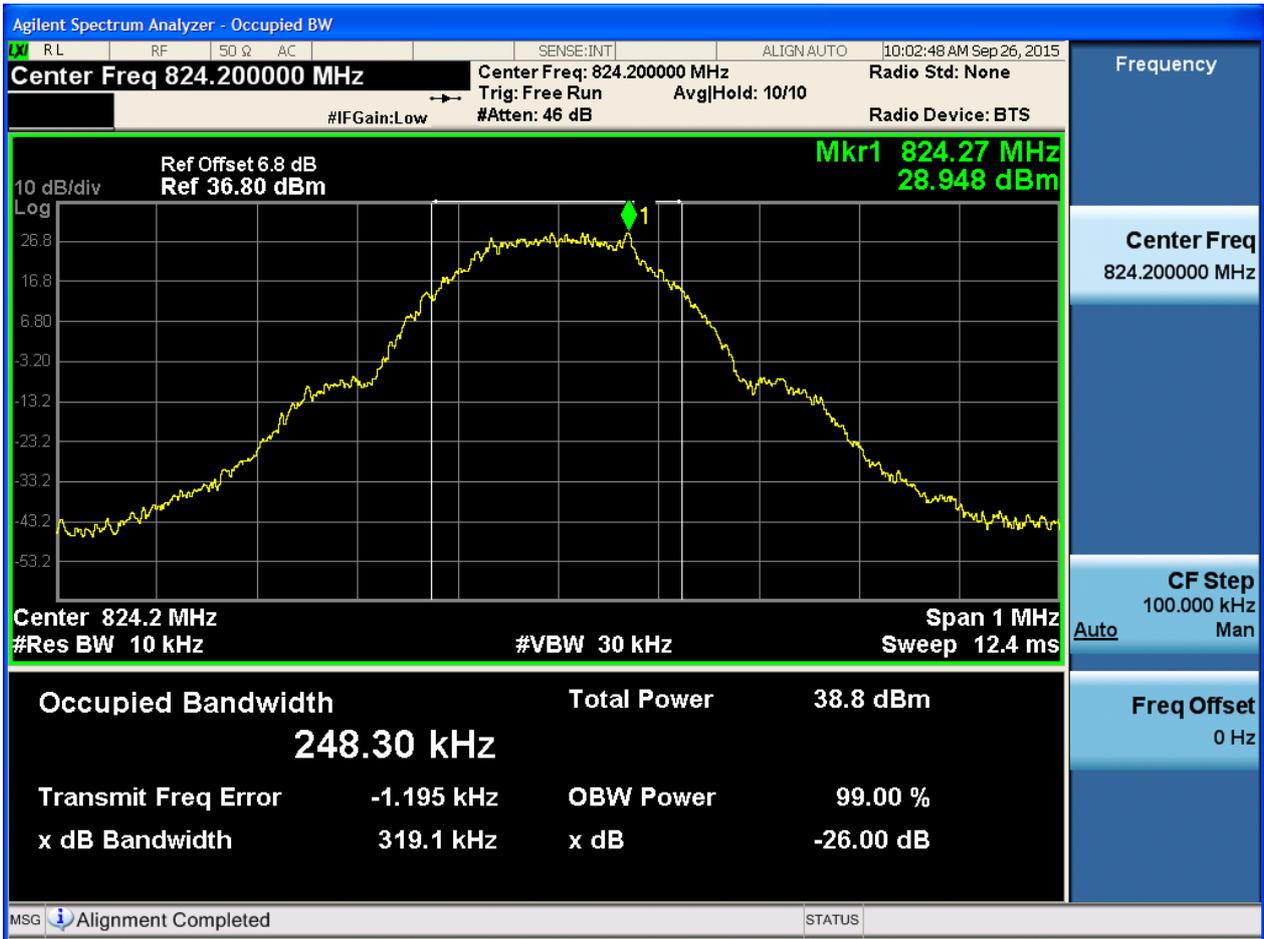
Test Band	Test Mode	Test Channel	Occupied Bandwidth [kHz]	Emission Bandwidth [kHz]	Verdict
GSM850	GSM/TM1	LCH	248.30	319.13	Pass
		MCH	245.65	323.16	Pass
		HCH	245.86	321.00	Pass
	GSM/TM2	LCH	240.25	304.15	Pass
		MCH	237.95	310.05	Pass
		HCH	240.83	304.68	Pass
WCDMA850	UMTS/TM1	LCH	4.10	4.66	Pass
		MCH	4.09	4.66	Pass
		HCH	4.10	4.95	Pass
GSM1900	GSM/TM1	LCH	244.18	315.26	Pass
		MCH	246.66	318.05	Pass
		HCH	246.20	318.02	Pass
	GSM/TM2	LCH	252.48	328.47	Pass
		MCH	253.51	318.34	Pass
		HCH	253.24	324.91	Pass
WCDMA1900	UMTS/TM1	LCH	4.10	4.67	Pass
		MCH	4.11	4.66	Pass
		HCH	4.11	4.67	Pass



4.1.1 Test Band = GSM850

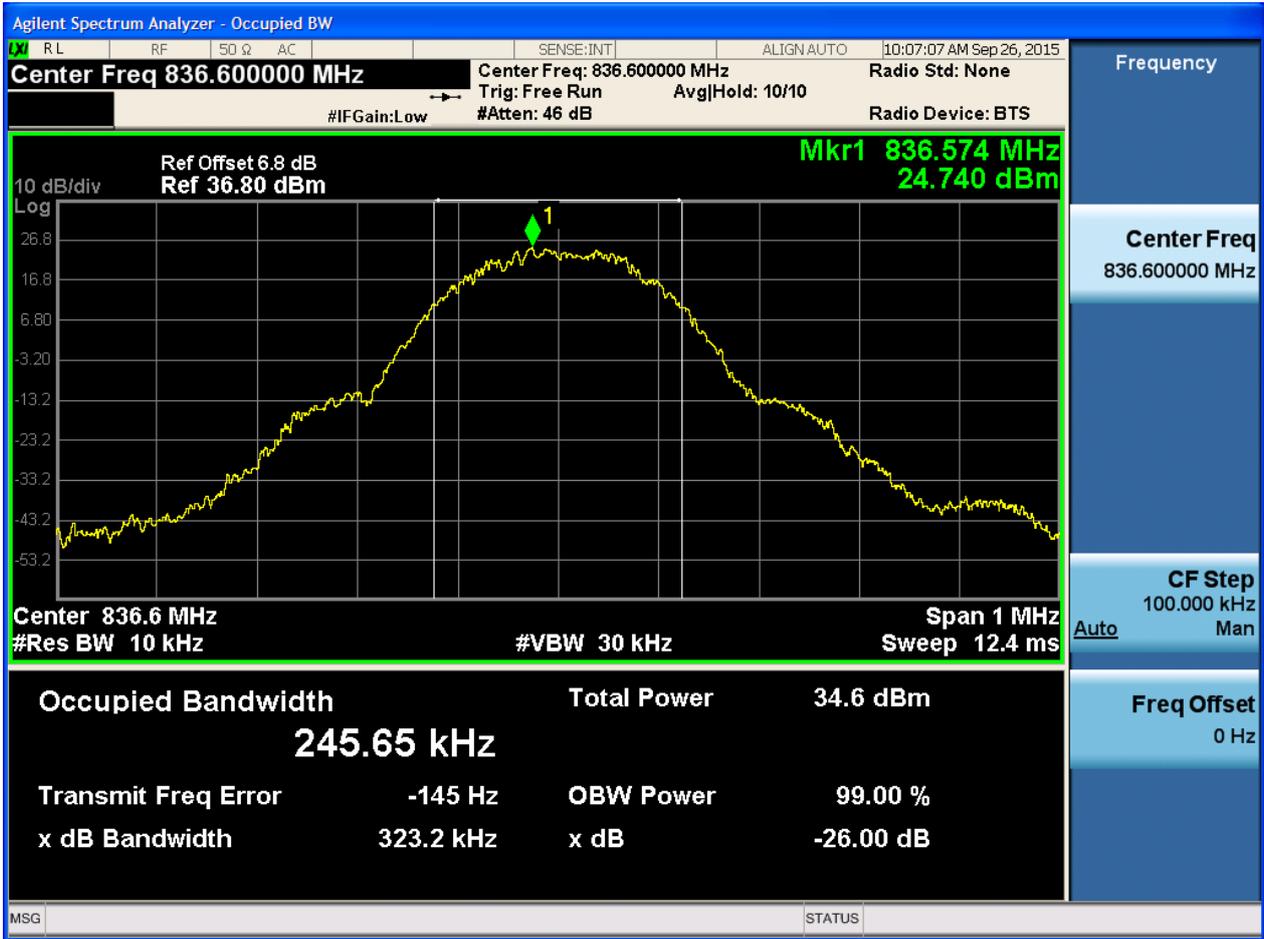
4.1.1.1 Test Mode = GSM/TM1

4.1.1.1.1 Test Channel = LCH



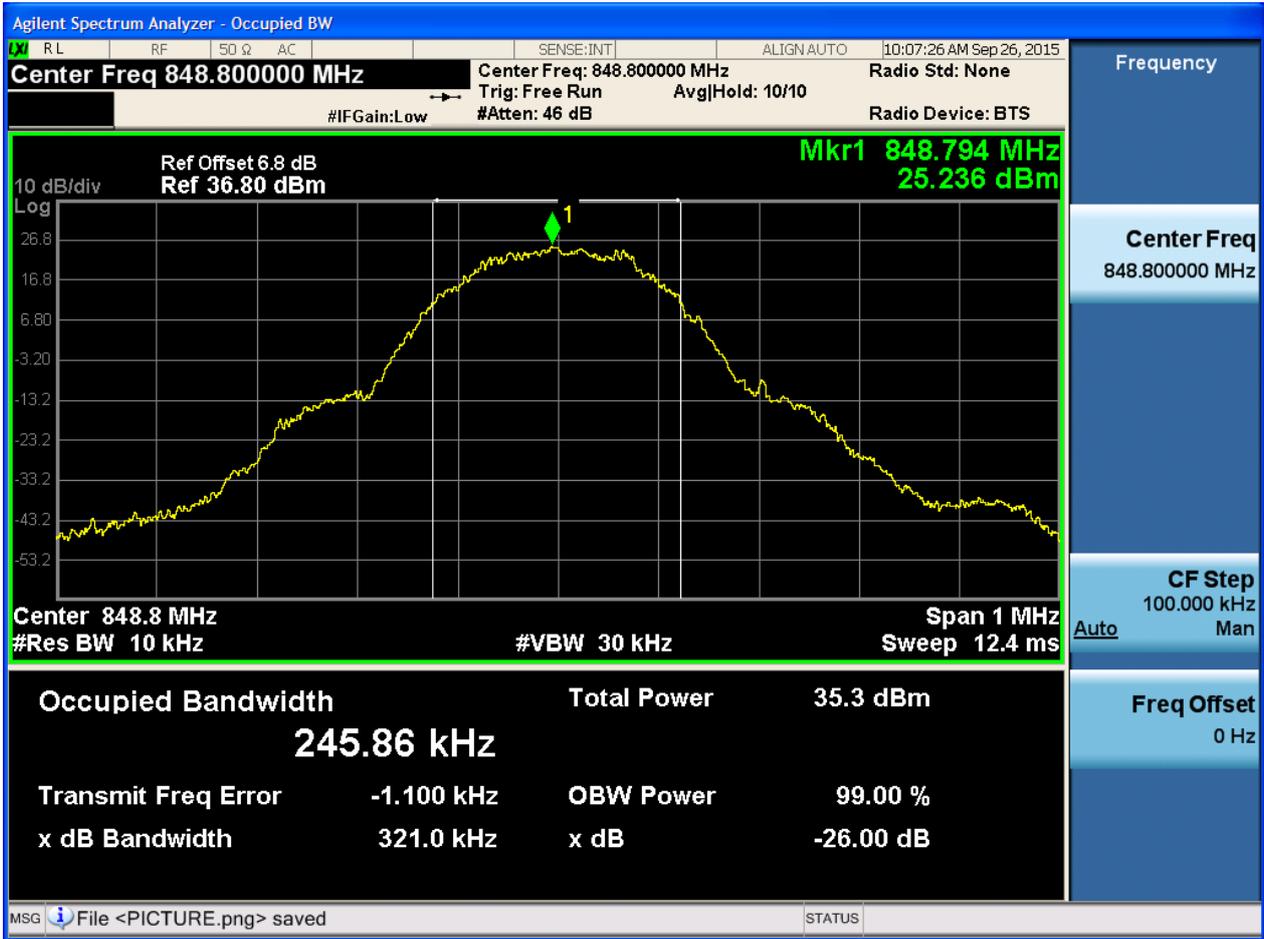


4.1.1.1.2 Test Channel = MCH





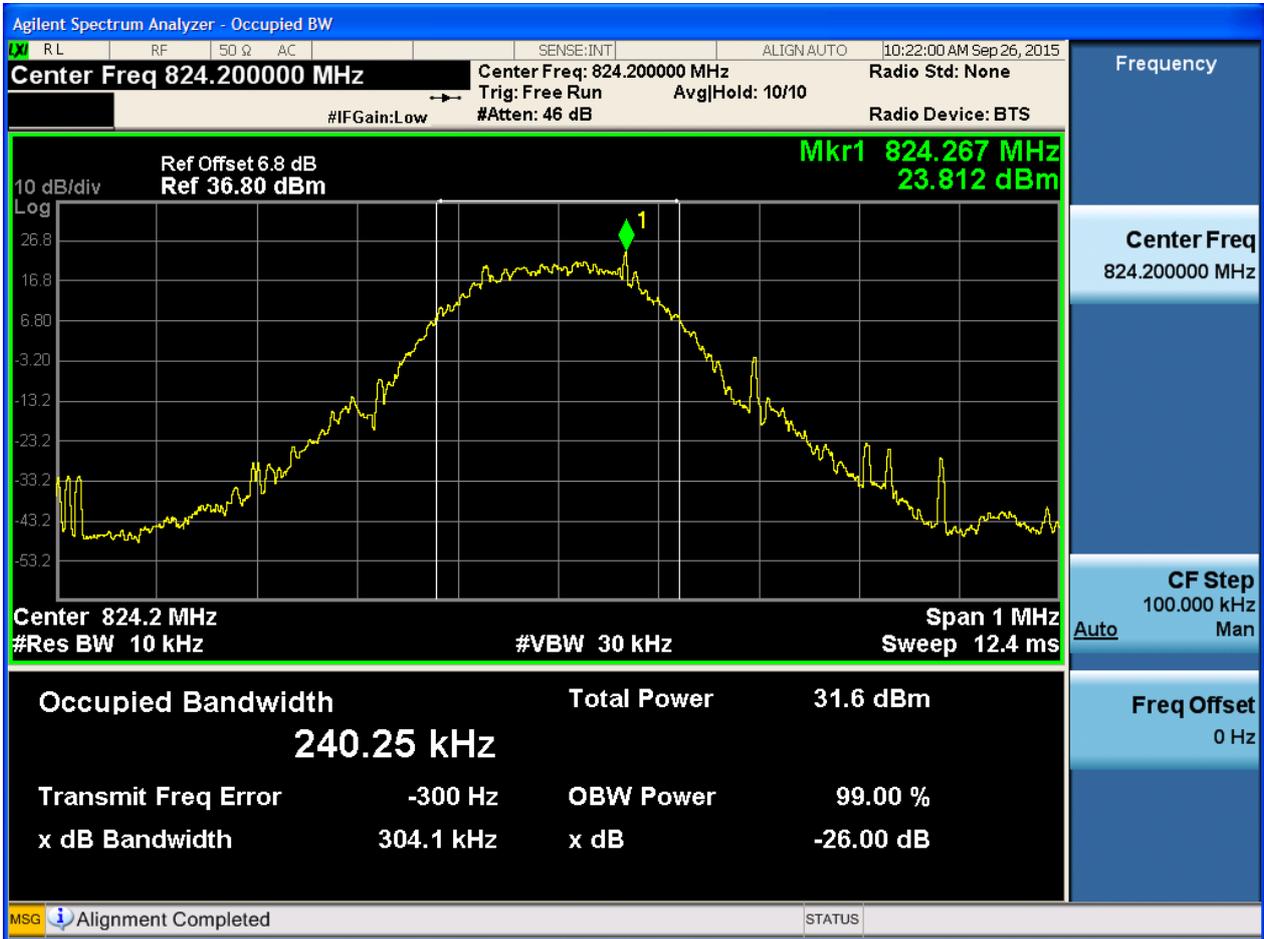
4.1.1.1.3 Test Channel = HCH





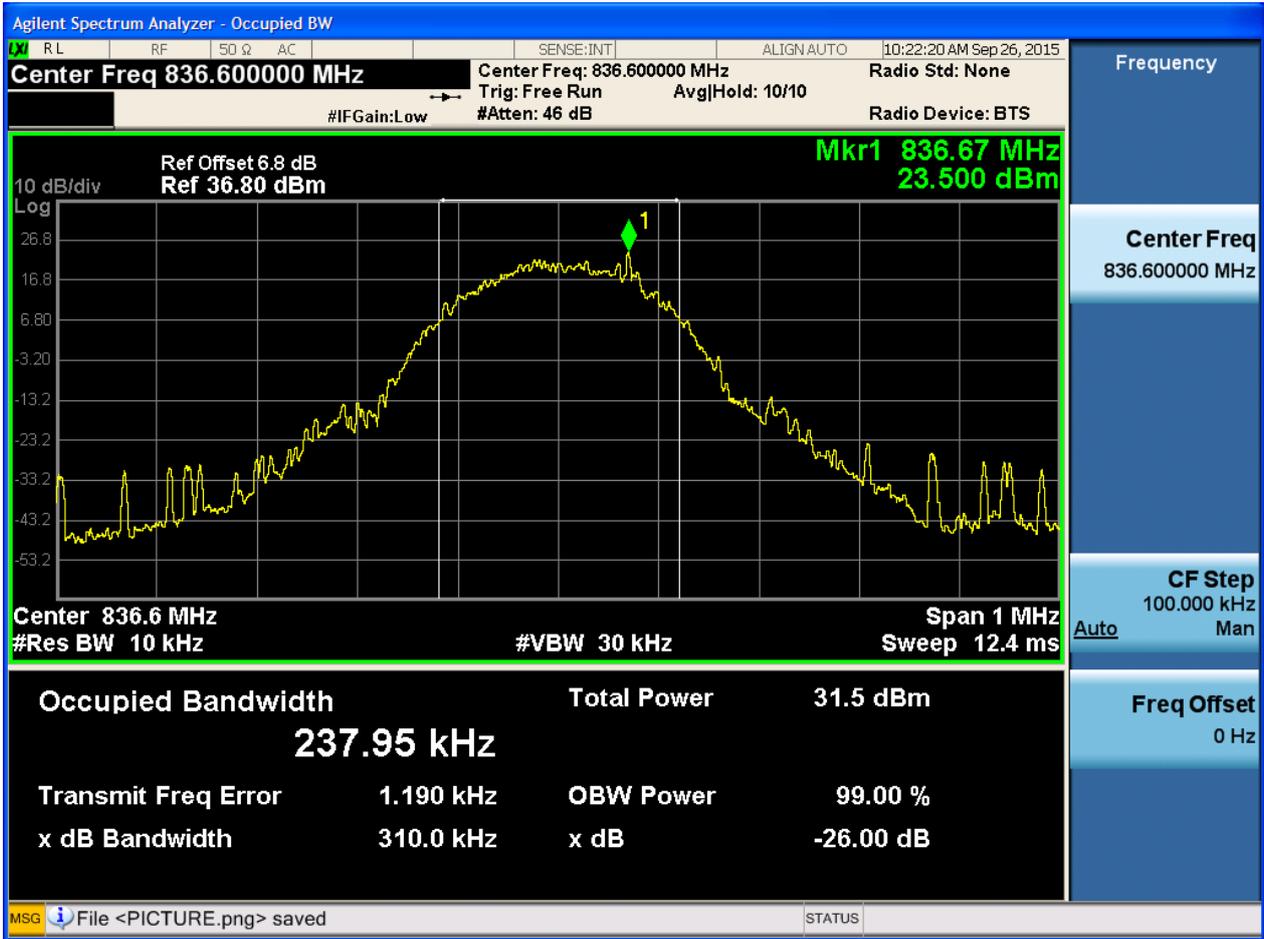
4.1.1.2 Test Mode = GSM/TM2

4.1.1.2.1 Test Channel = LCH



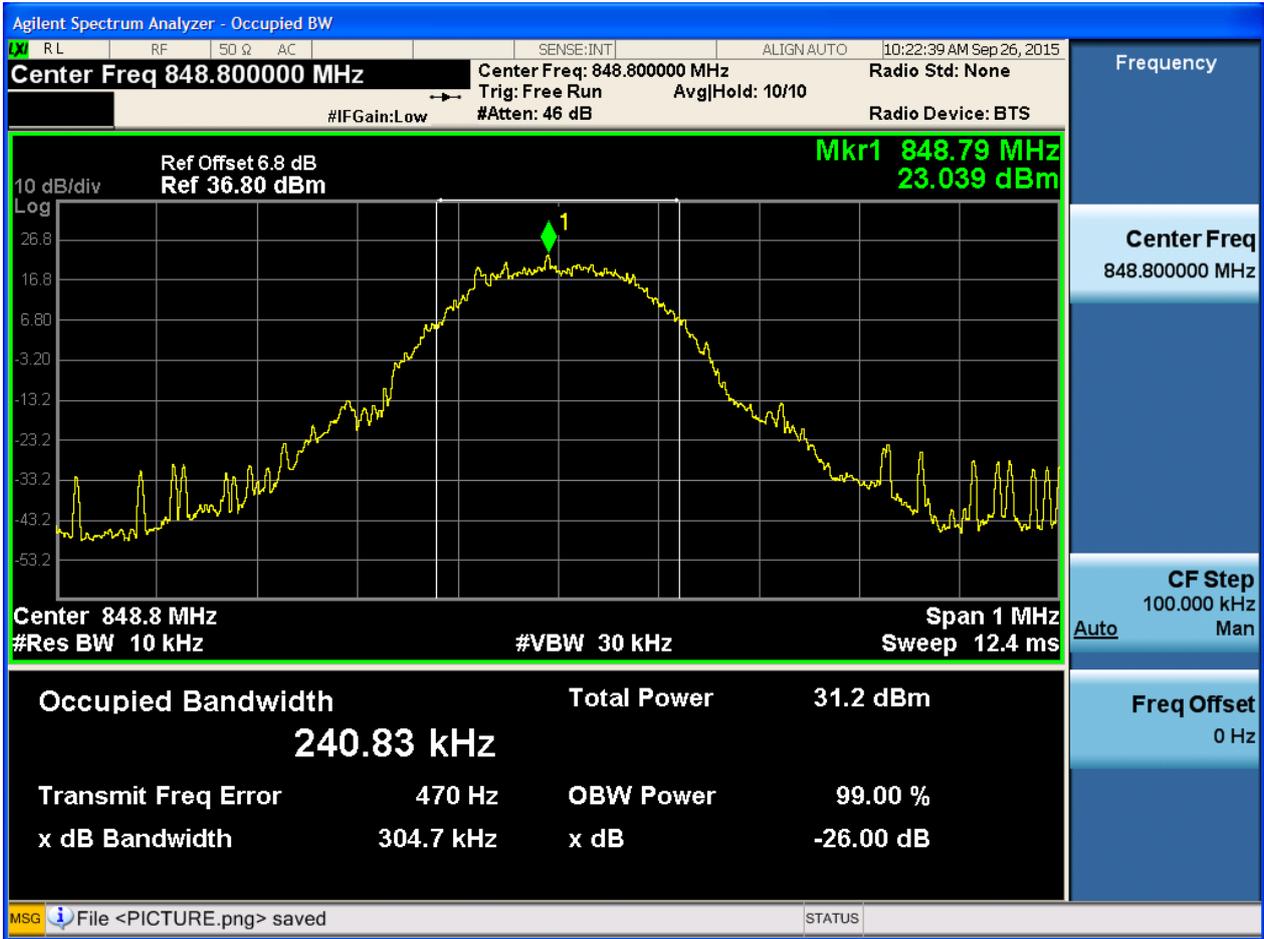


4.1.1.2.2 Test Channel = MCH





4.1.1.2.3 Test Channel = HCH

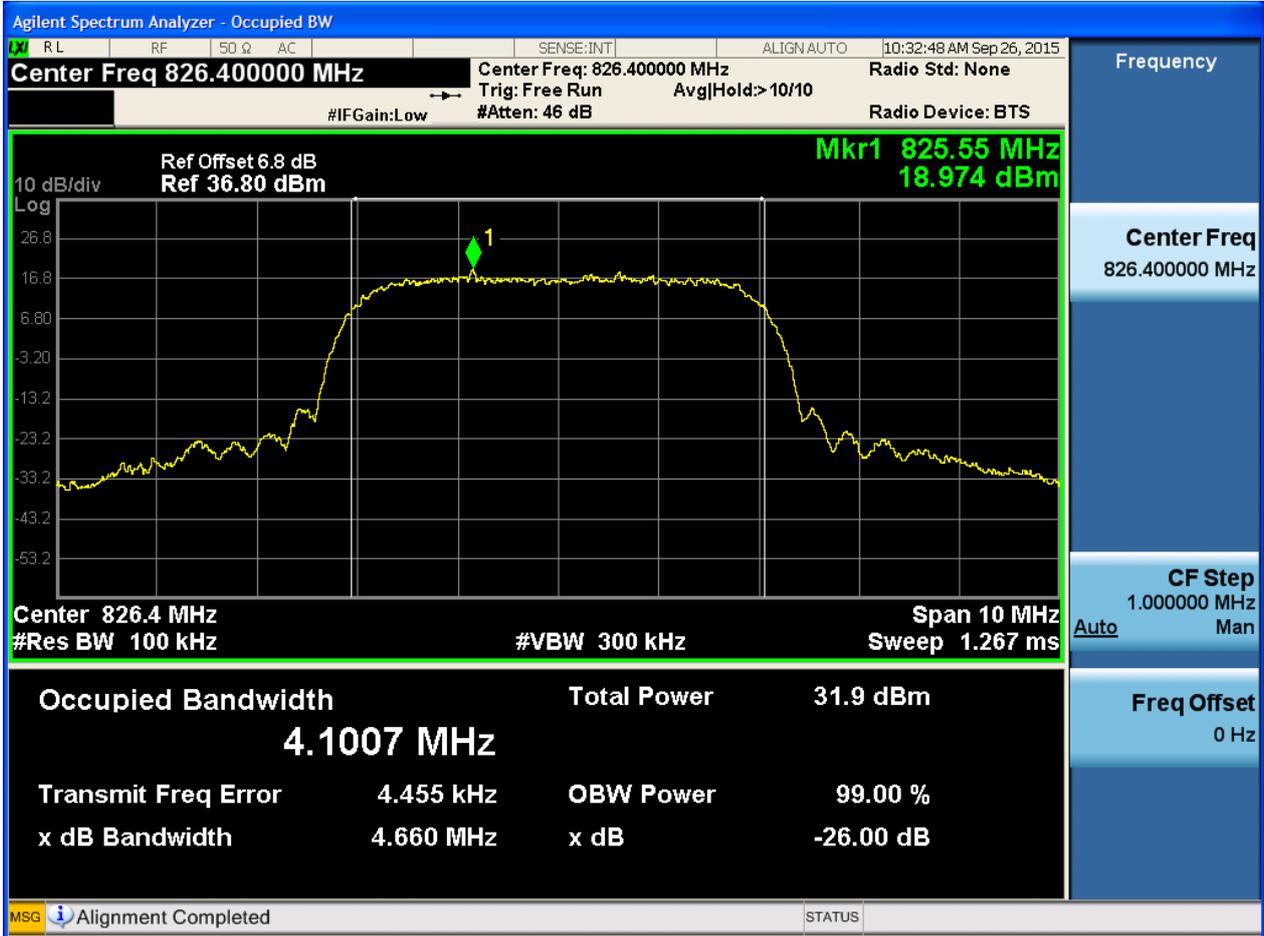




4.1.2 Test Band = WCDMA850

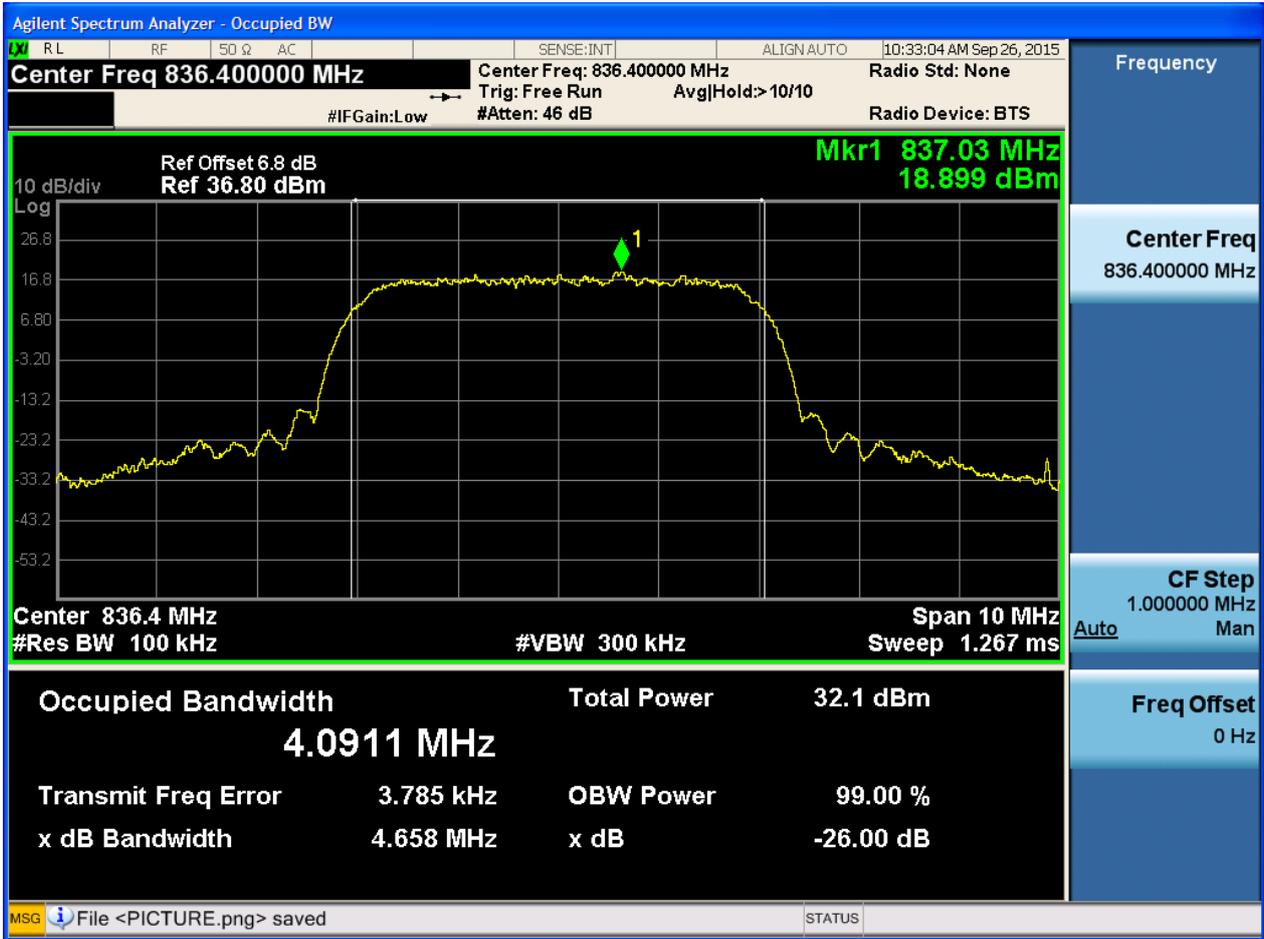
4.1.2.1 Test Mode = UMTS/TM1

4.1.2.1.1 Test Channel = LCH



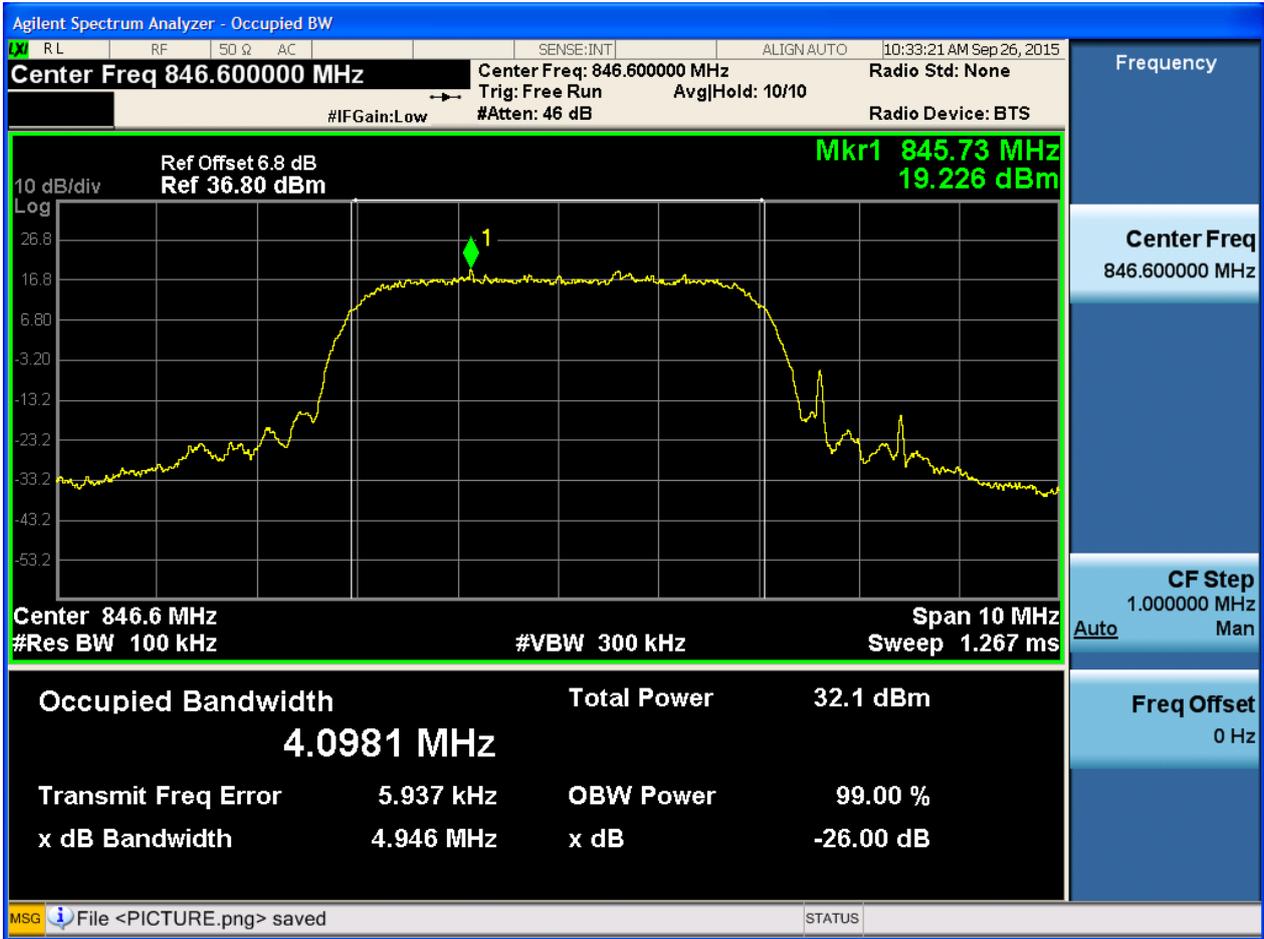


4.1.2.1.2 Test Channel = MCH





4.1.2.1.3 Test Channel = HCH

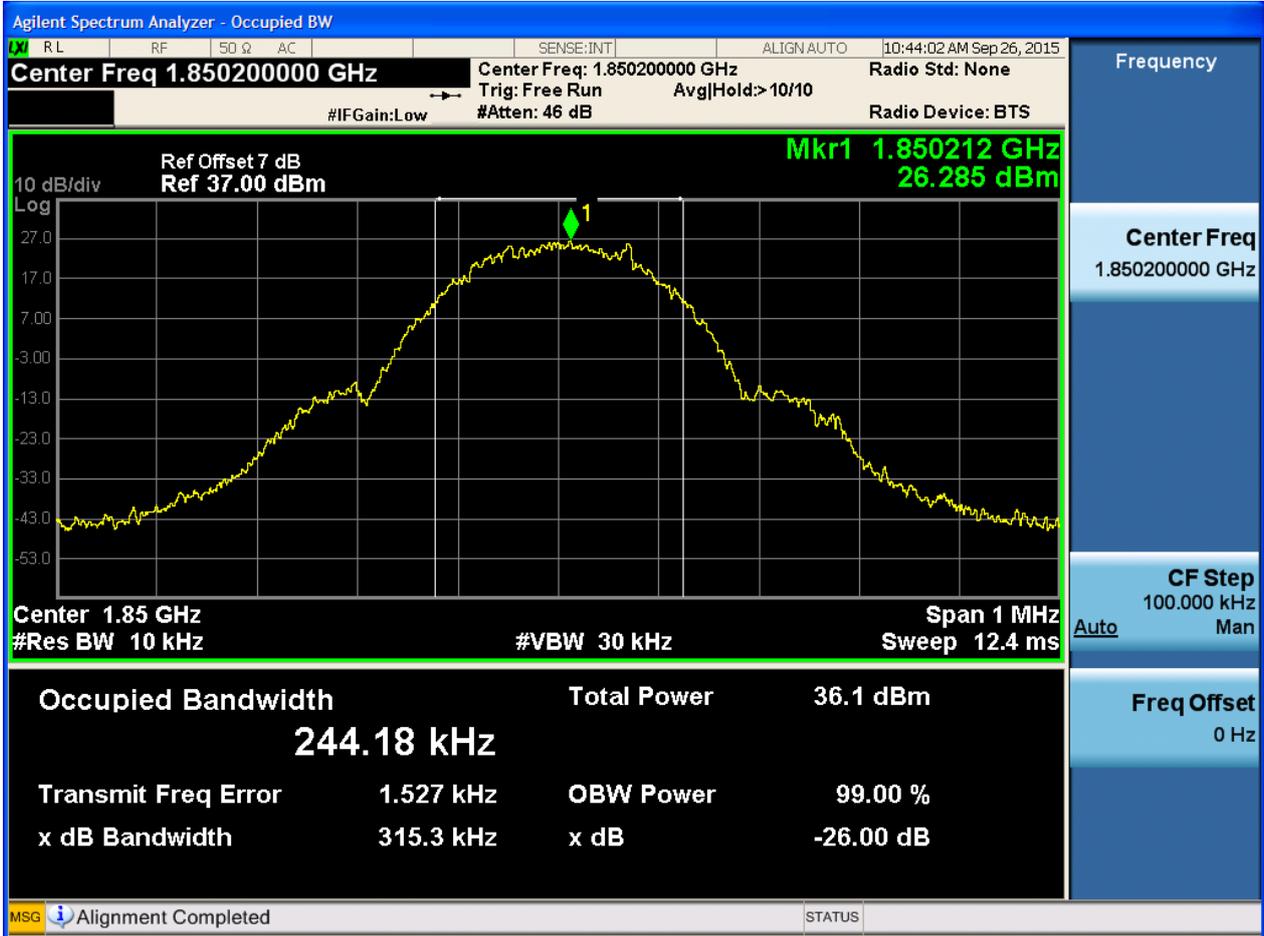




4.1.3 Test Band = GSM1900

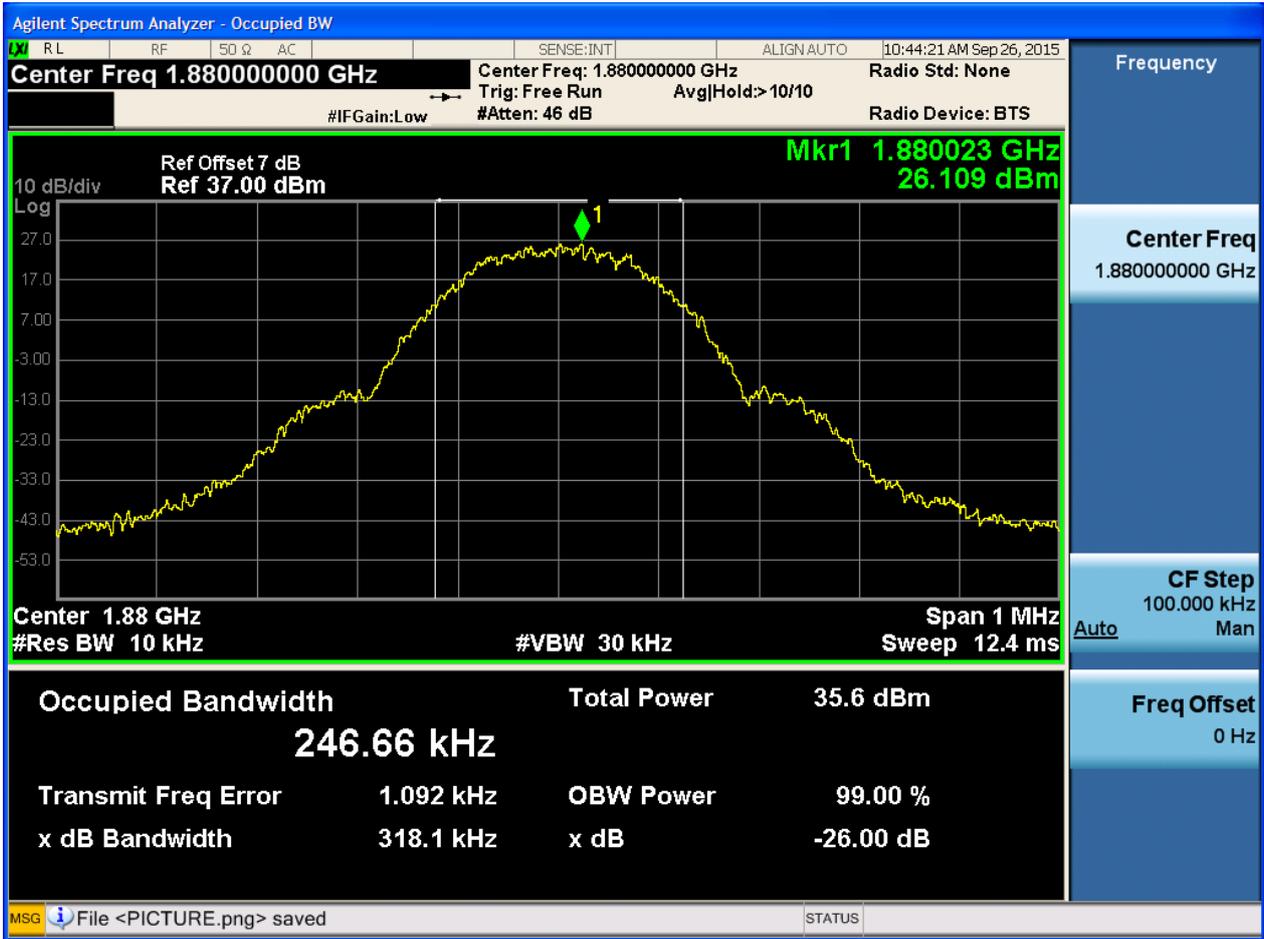
4.1.3.1 Test Mode = GSM/TM1

4.1.3.1.1 Test Channel = LCH



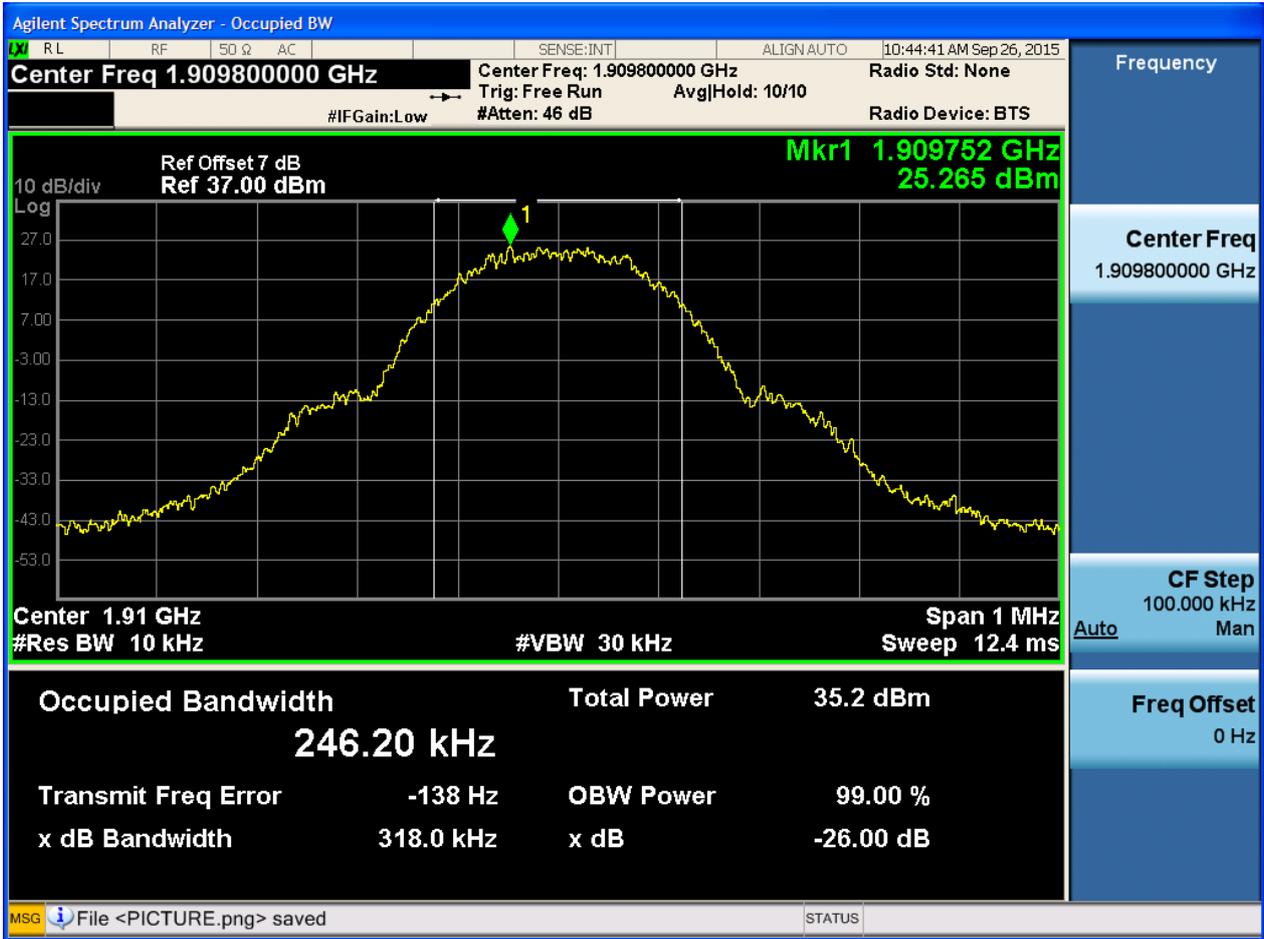


4.1.3.1.2 Test Channel = MCH





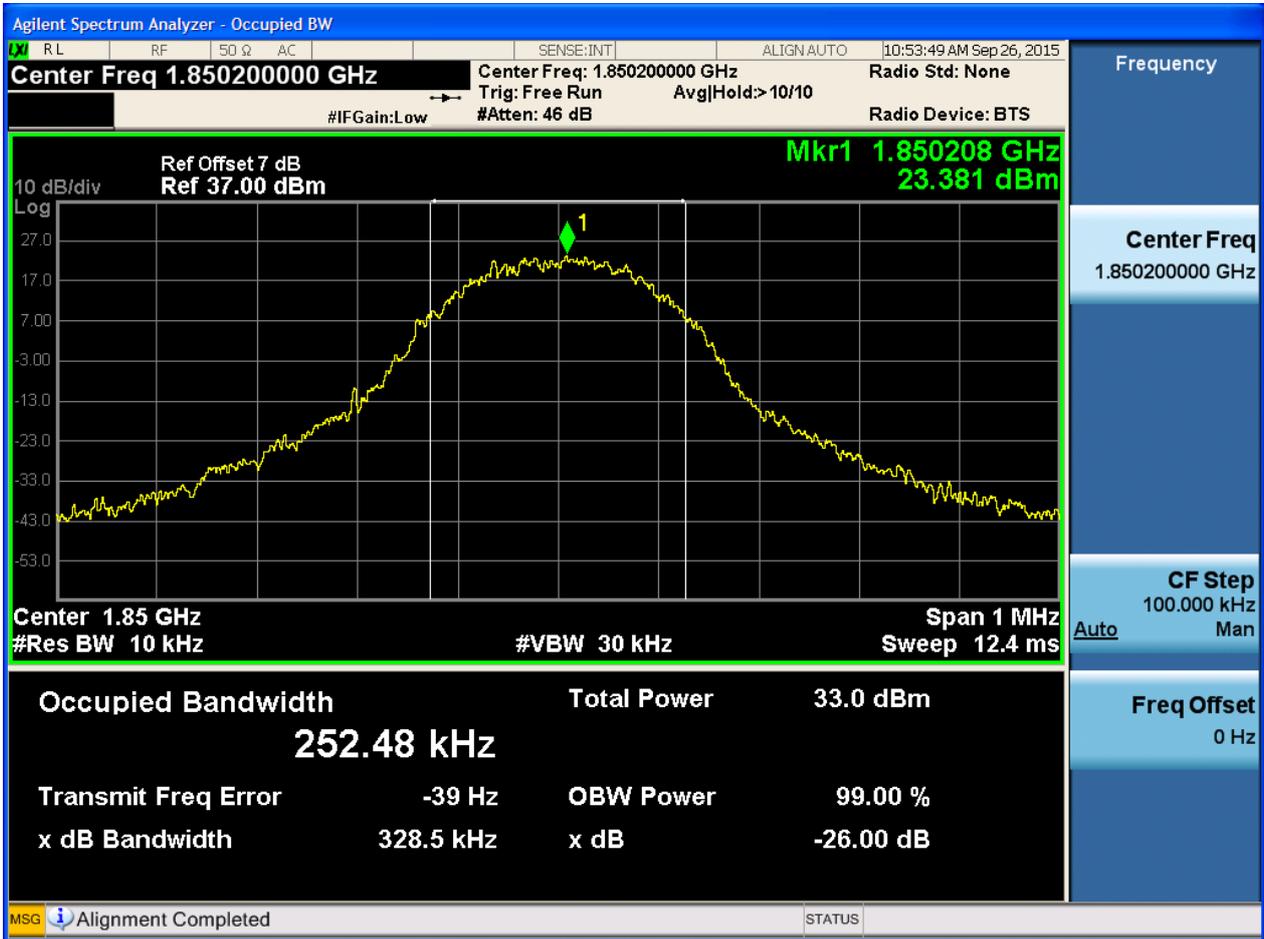
4.1.3.1.3 Test Channel = HCH





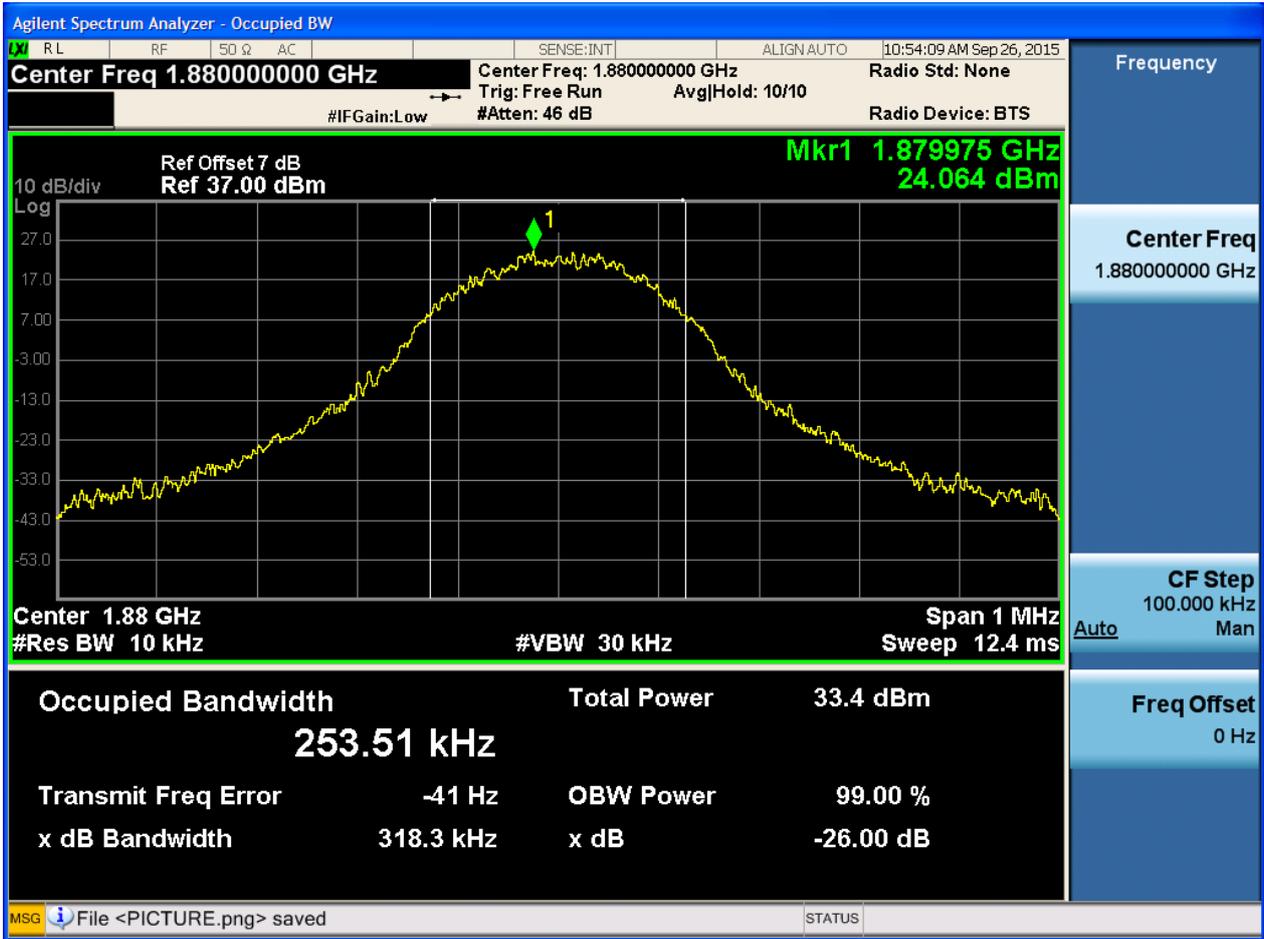
### 4.1.3.2 Test Mode = GSM/TM2

#### 4.1.3.2.1 Test Channel = LCH



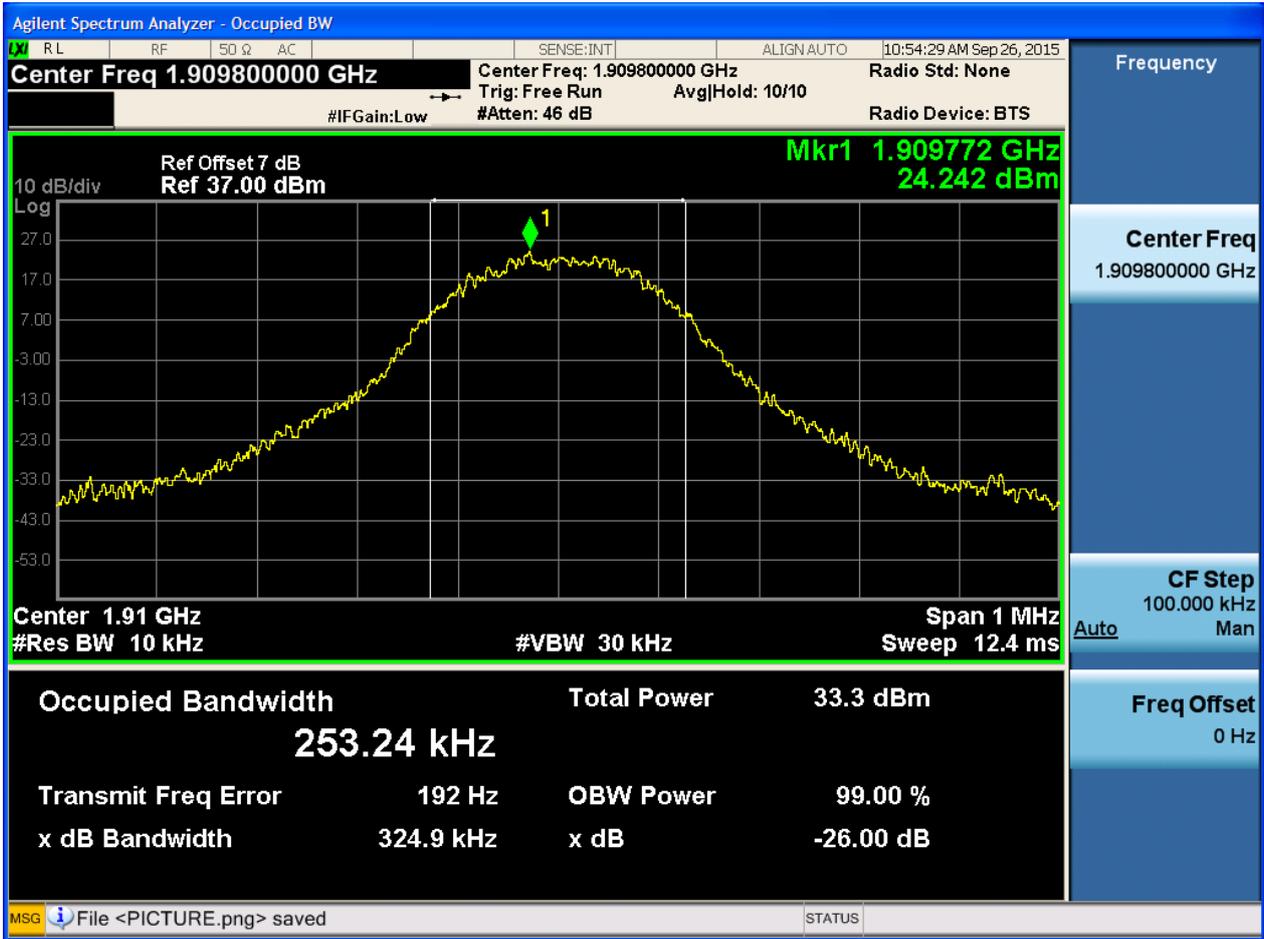


4.1.3.2.2 Test Channel = MCH





4.1.3.2.3 Test Channel = HCH

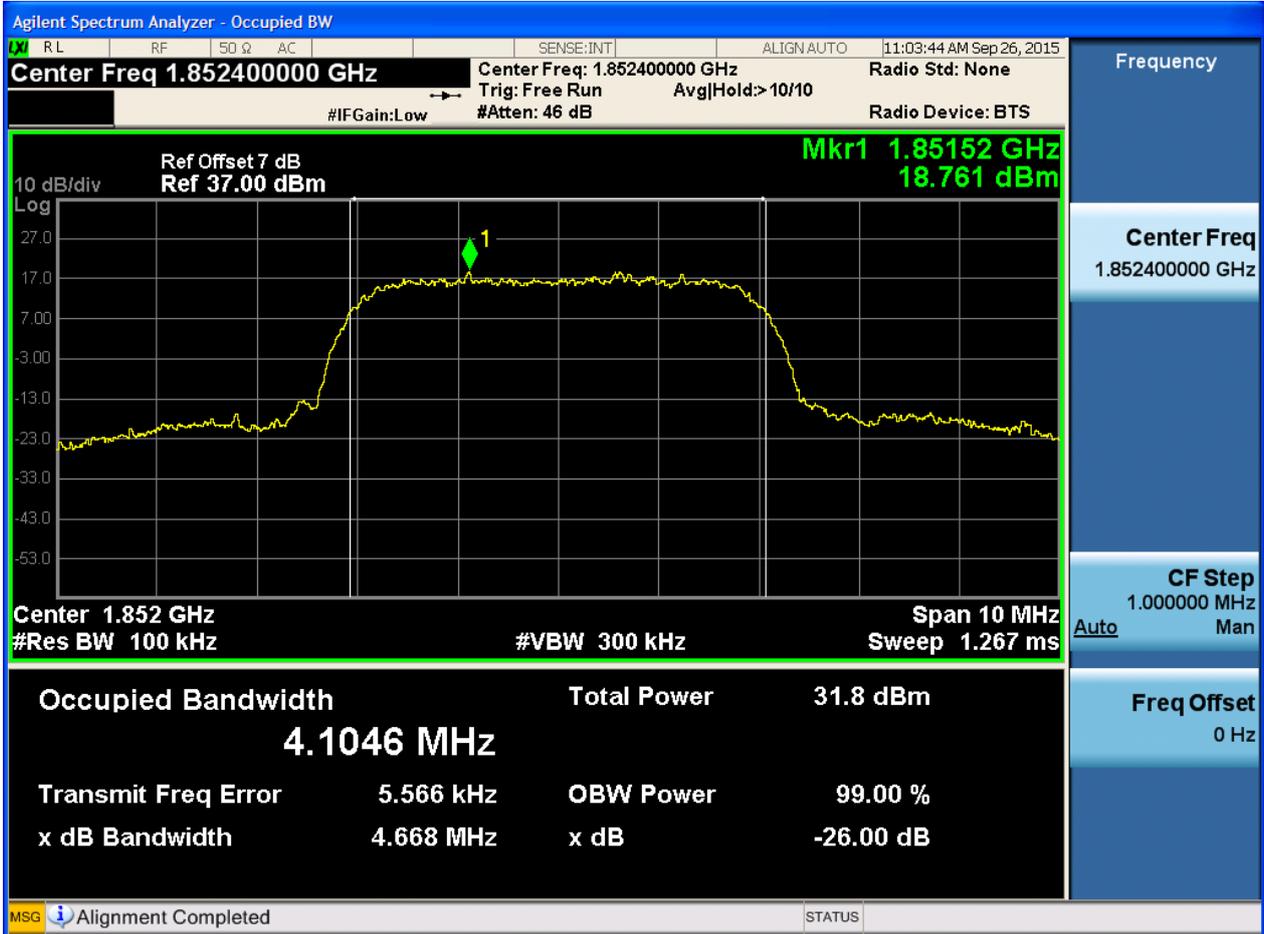




4.1.4 Test Band = WCDMA1900

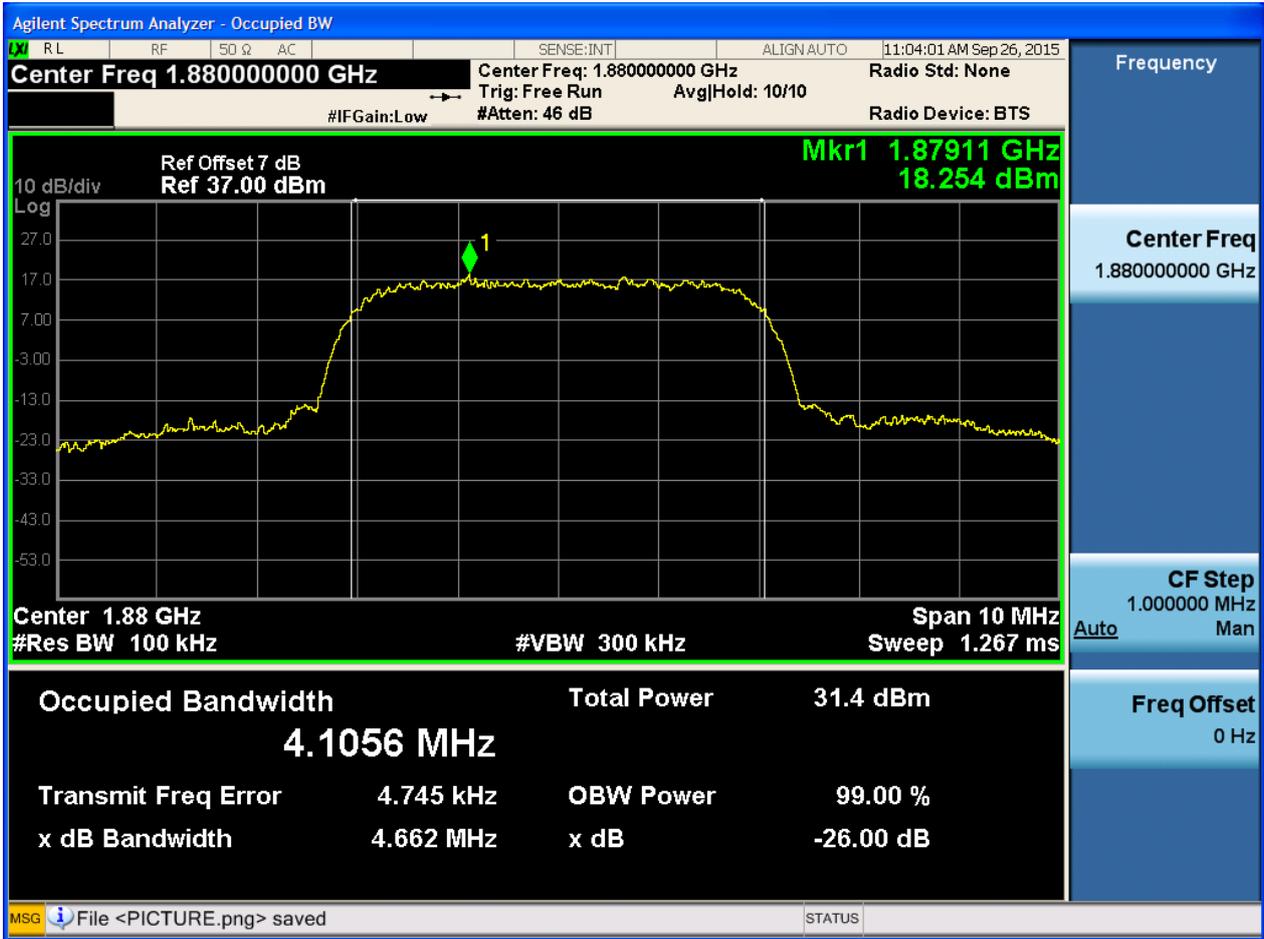
4.1.4.1 Test Mode = UMTS/TM1

4.1.4.1.1 Test Channel = LCH



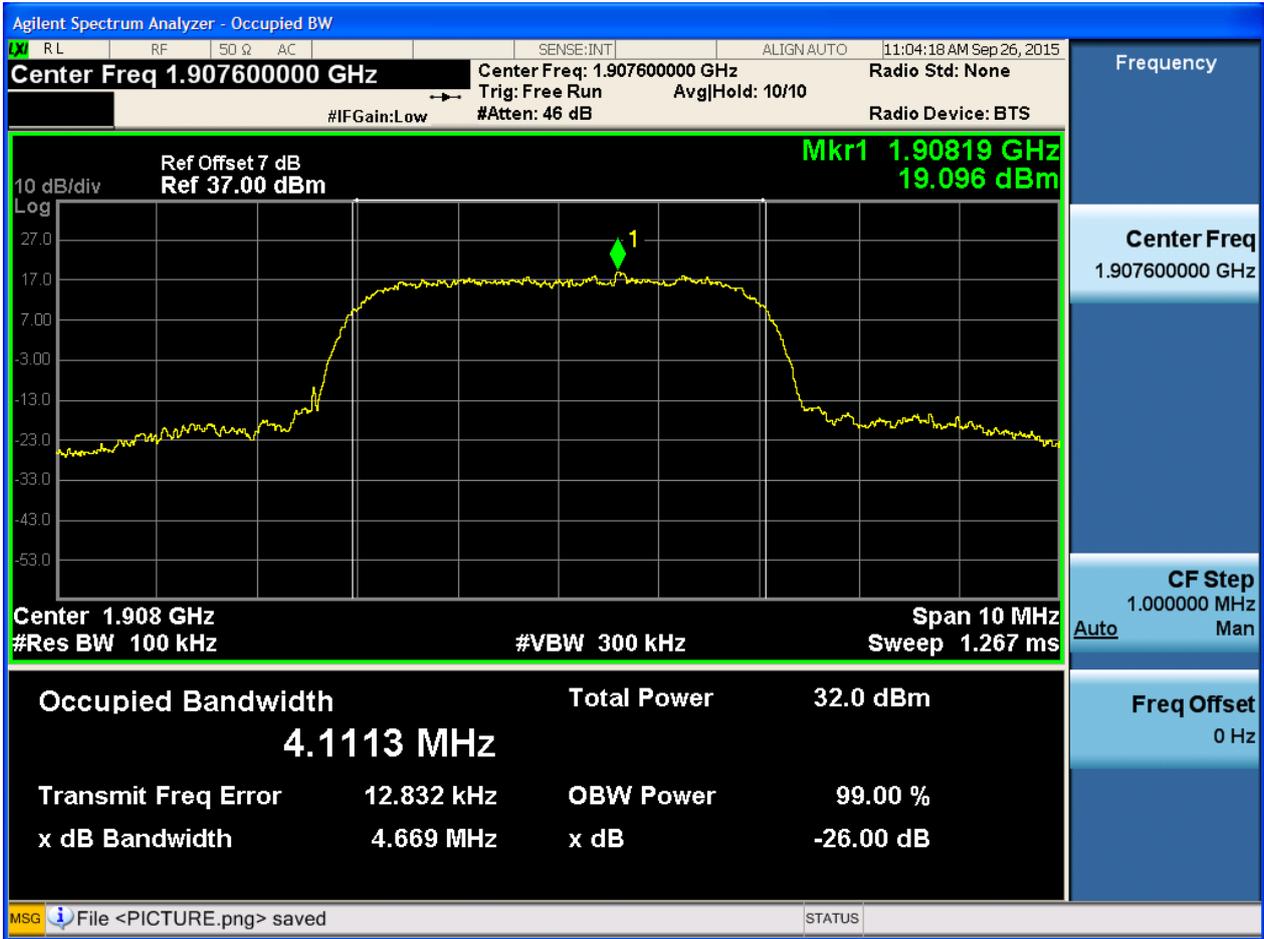


4.1.4.1.2 Test Channel = MCH





4.1.4.1.3 Test Channel = HCH





## 5Appendix\_E: Band Edges Compliance

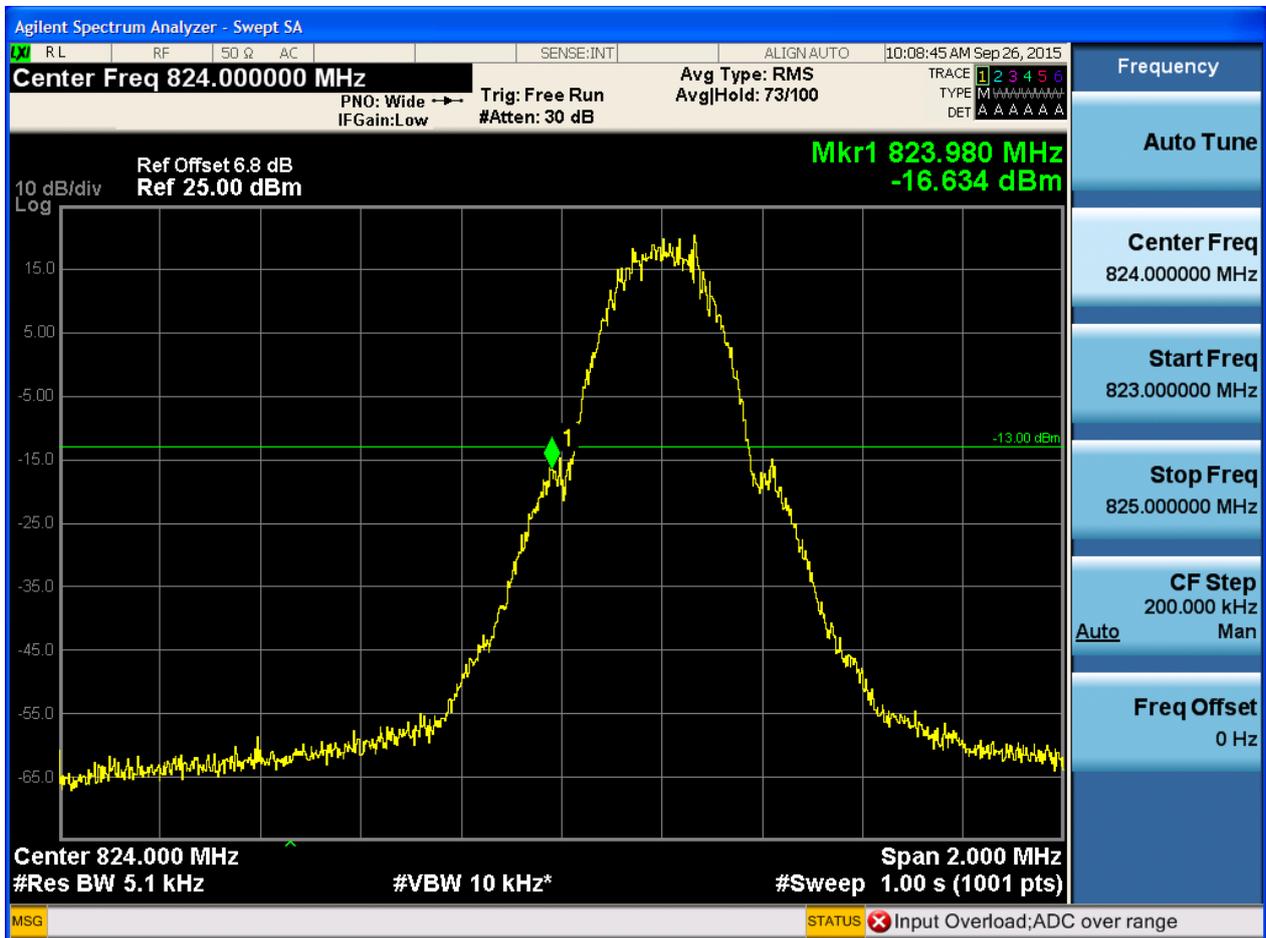
### Part I - Test Plots

#### 5.1 For GSM

##### 5.1.1 Test Band = GSM850

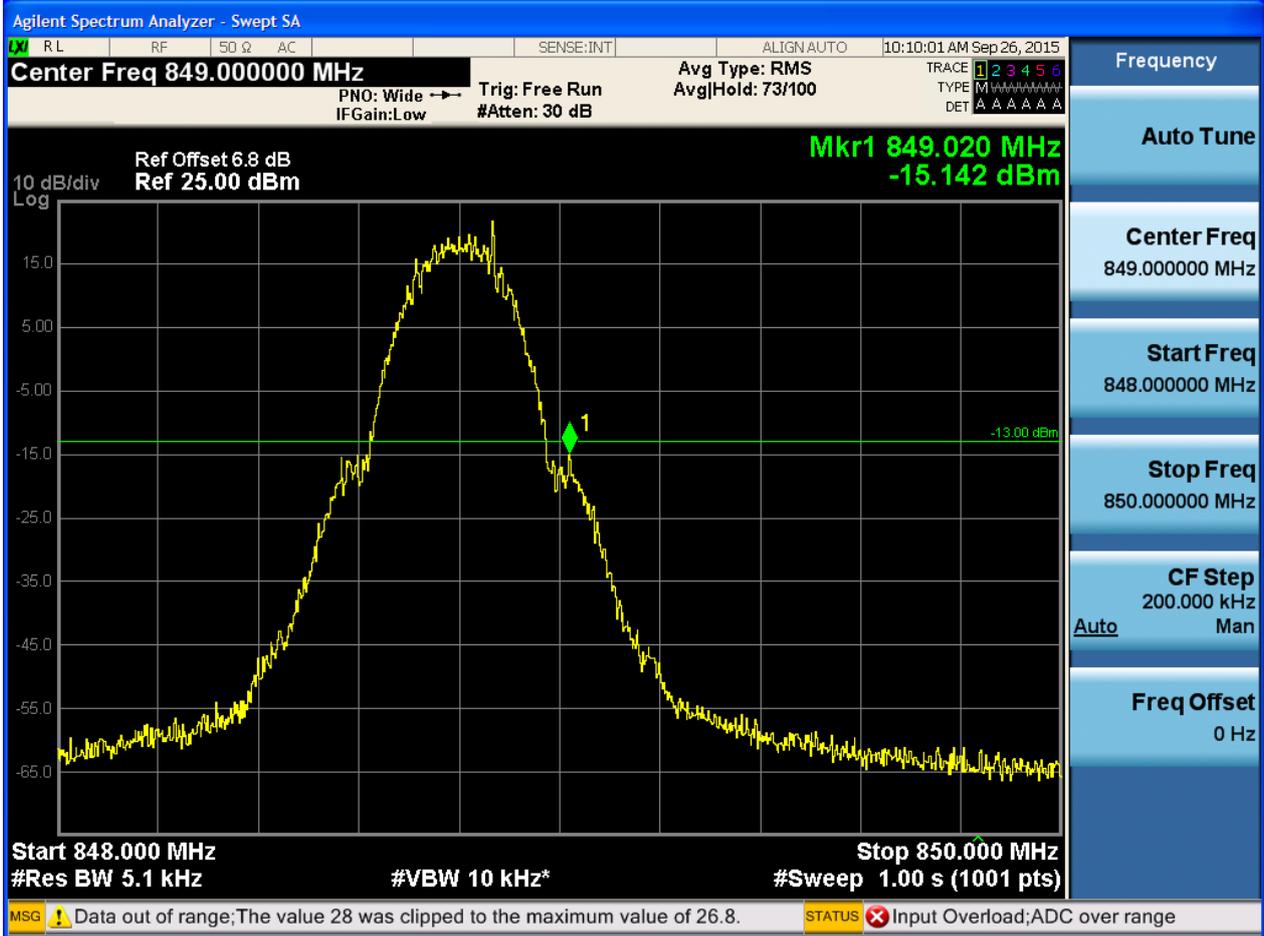
##### 5.1.1.1 Test Mode = GSM/TM1

##### 5.1.1.1.1 Test Channel = LCH





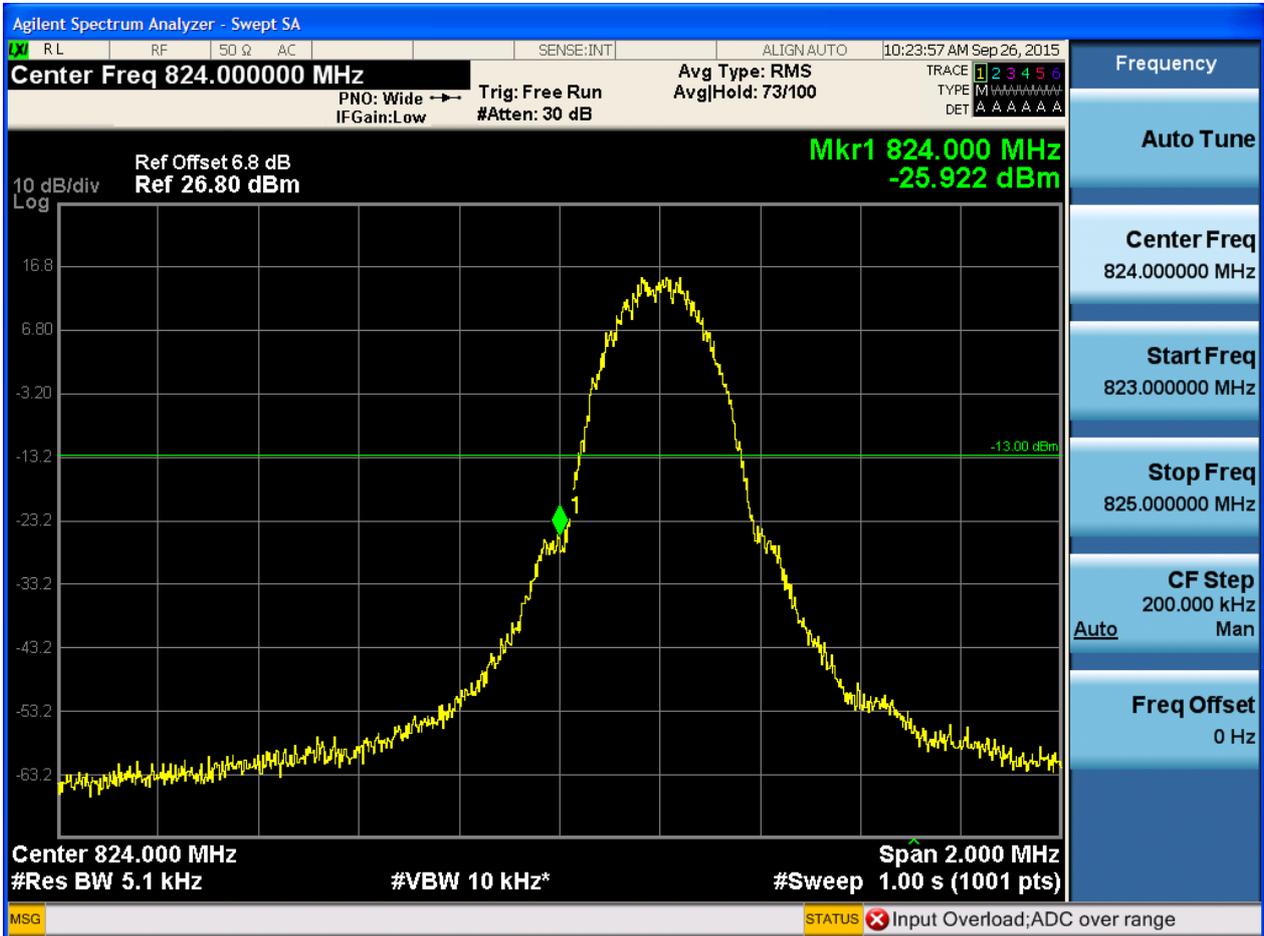
5.1.1.1.2 Test Channel = HCH





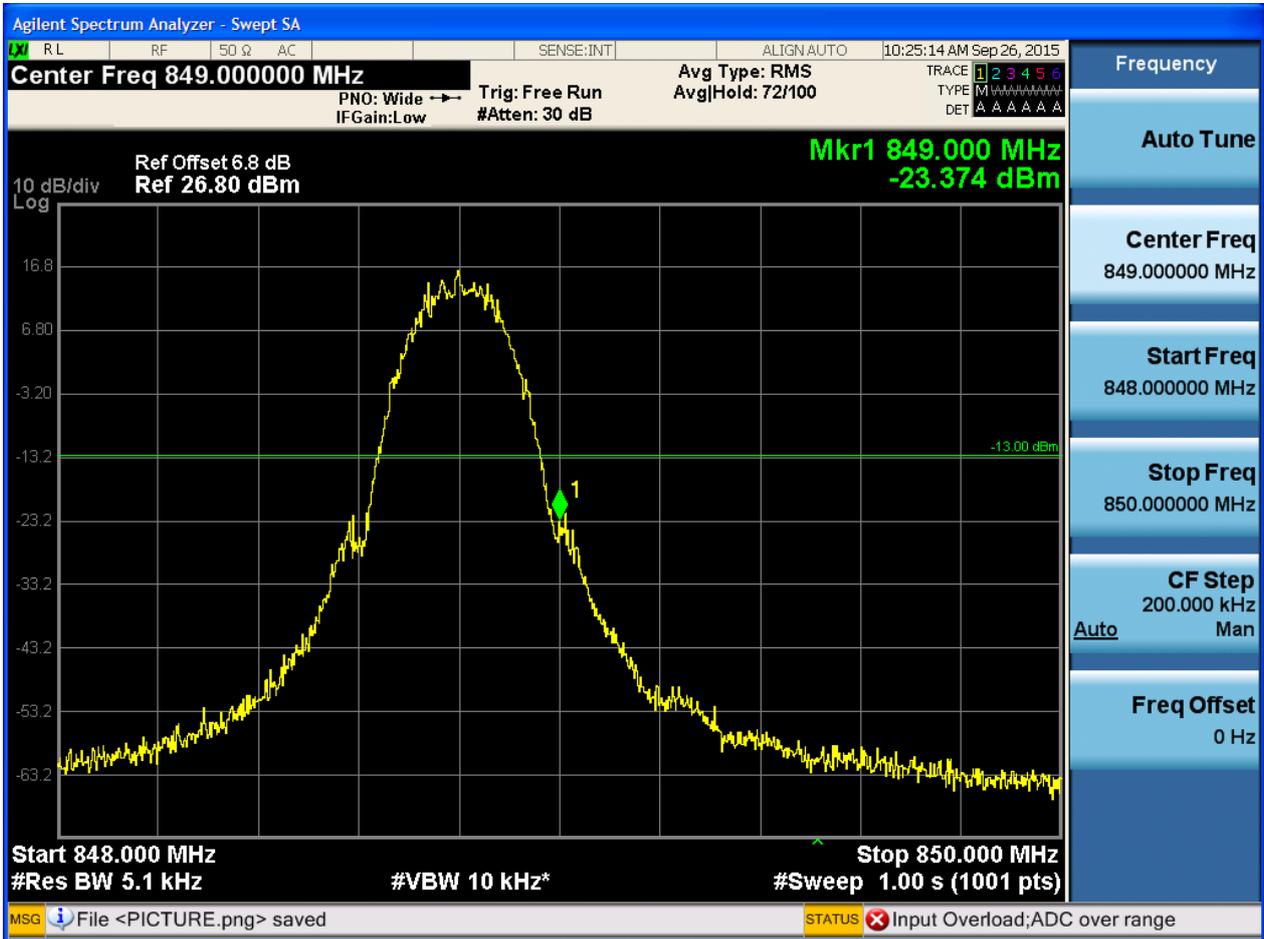
5.1.1.2 Test Mode = GSM/TM2

5.1.1.2.1 Test Channel = LCH





5.1.1.2.2 Test Channel = HCH





5.1.2 Test Band = WCDMA850

5.1.2.1 Test Mode = UMTS/TM1

5.1.2.1.1 Test Channel = LCH



5.1.2.1.2 Test Channel = HCH

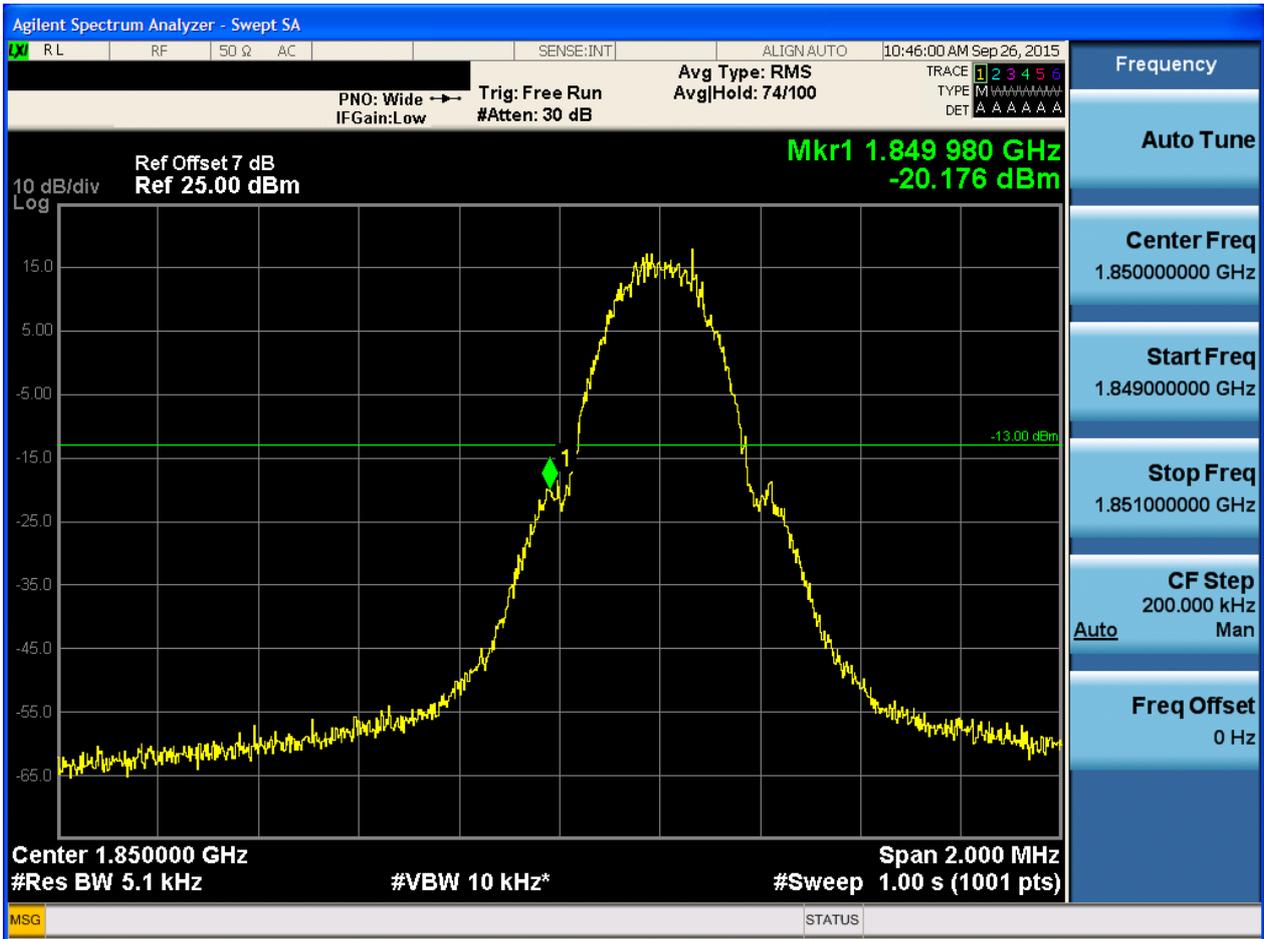




5.1.3 Test Band = GSM1900

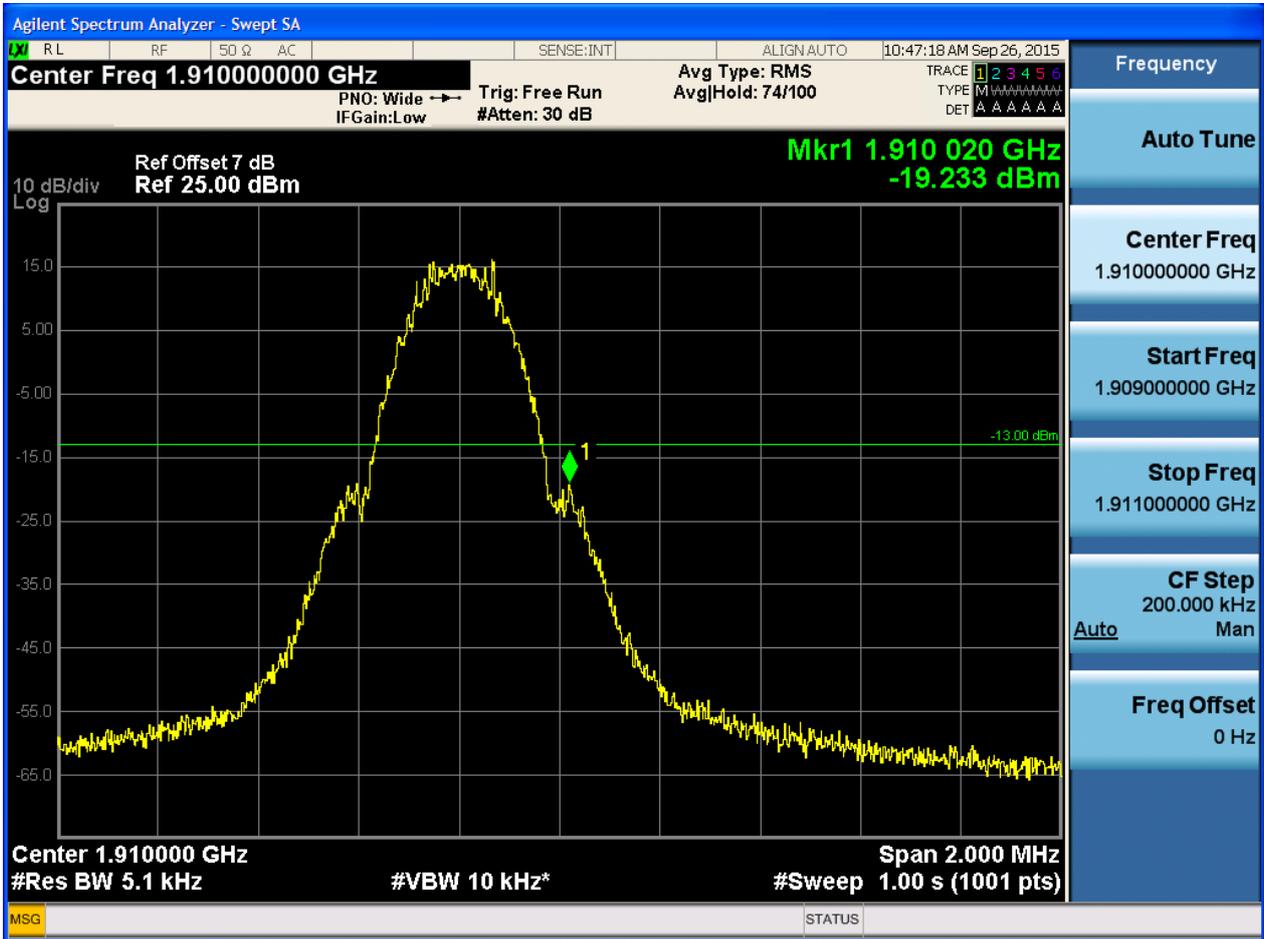
5.1.3.1 Test Mode = GSM/TM1

5.1.3.1.1 Test Channel = LCH





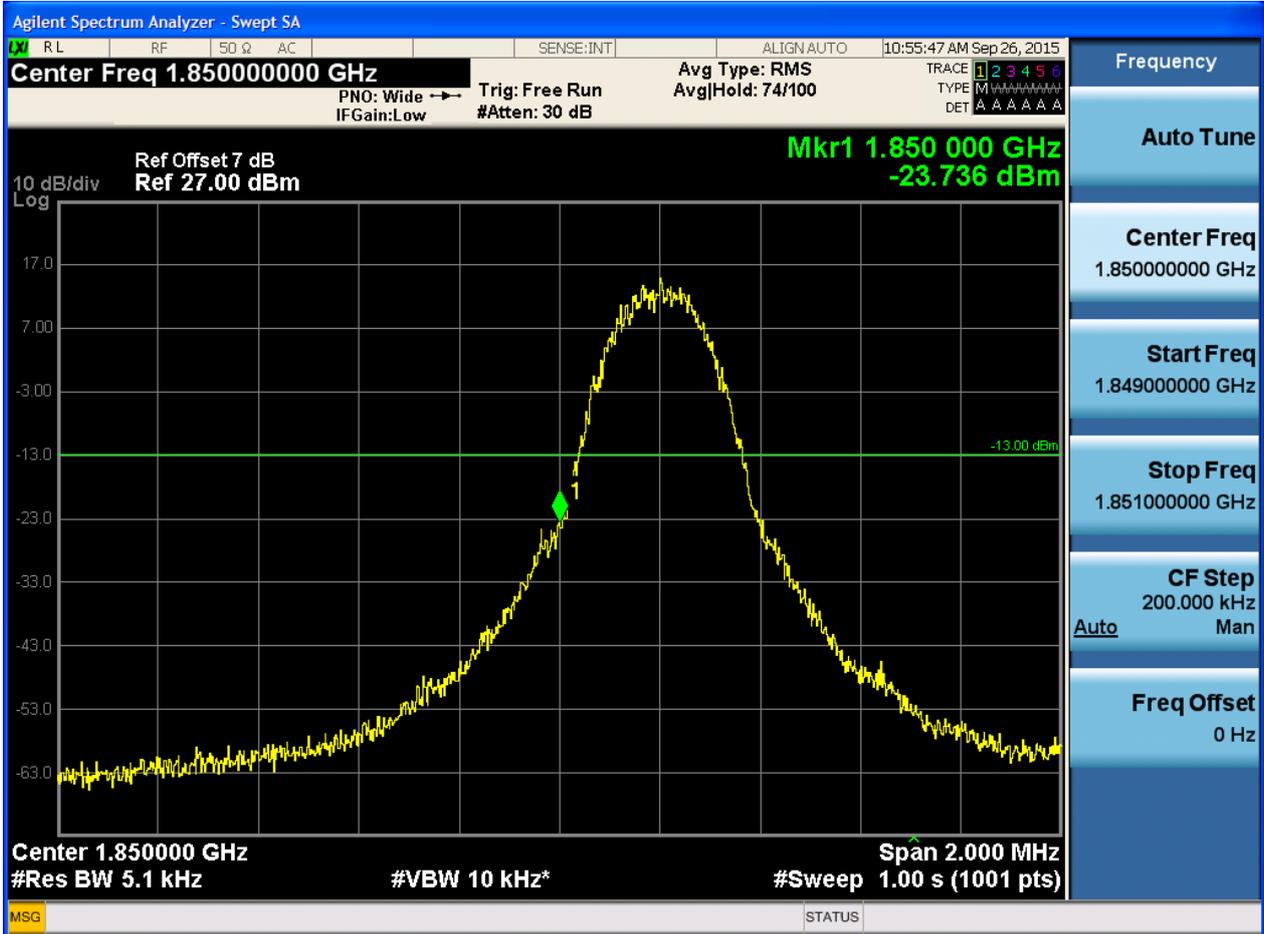
5.1.3.1.2 Test Channel = HCH



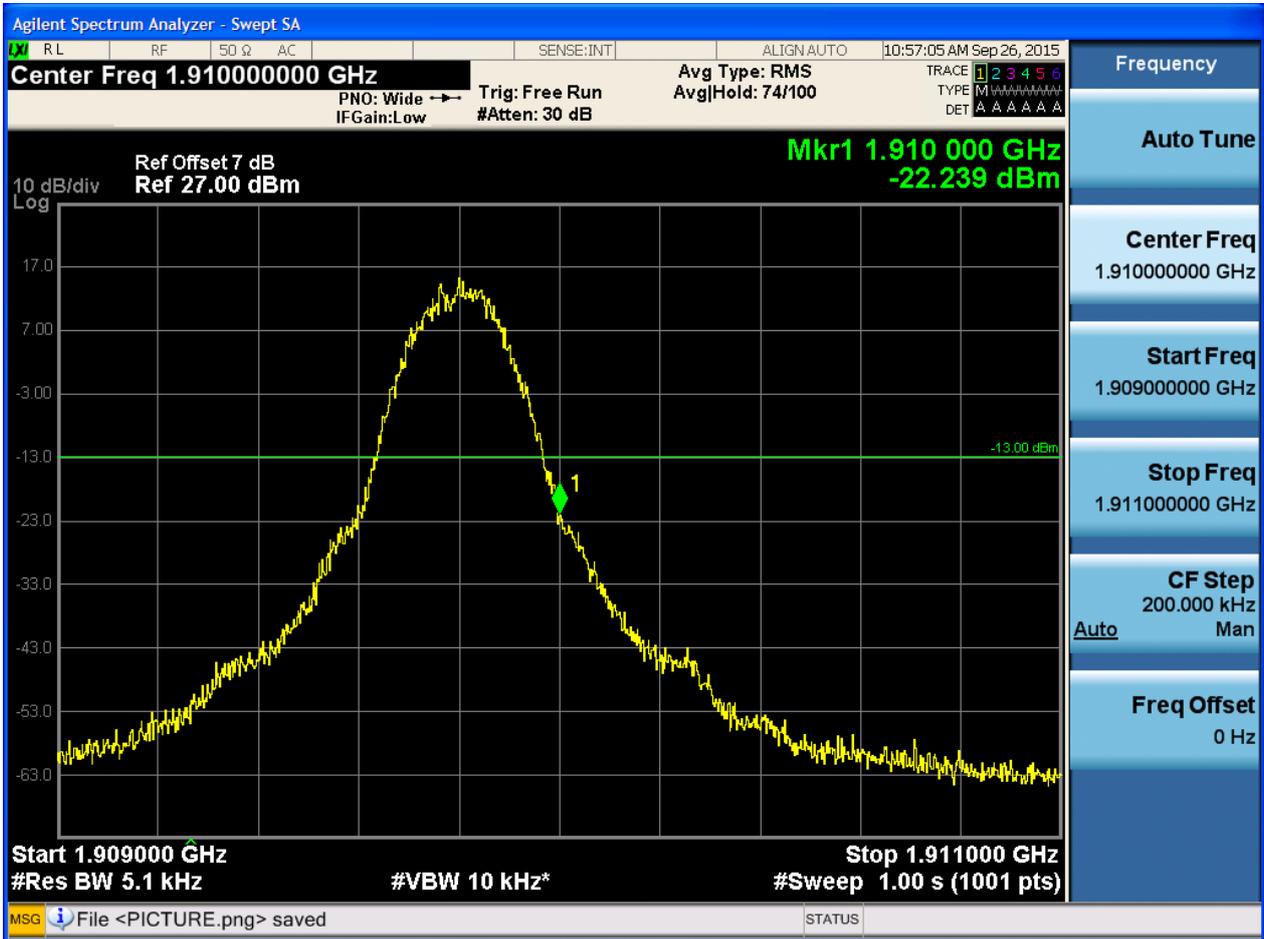


### 5.1.3.2 Test Mode = GSM/TM2

#### 5.1.3.2.1 Test Channel = LCH



5.1.3.2.2 Test Channel = HCH





5.1.4 Test Band = WCDMA1900

5.1.4.1 Test Mode = UMTS/TM1

5.1.4.1.1 Test Channel = LCH



5.1.4.1.2 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.

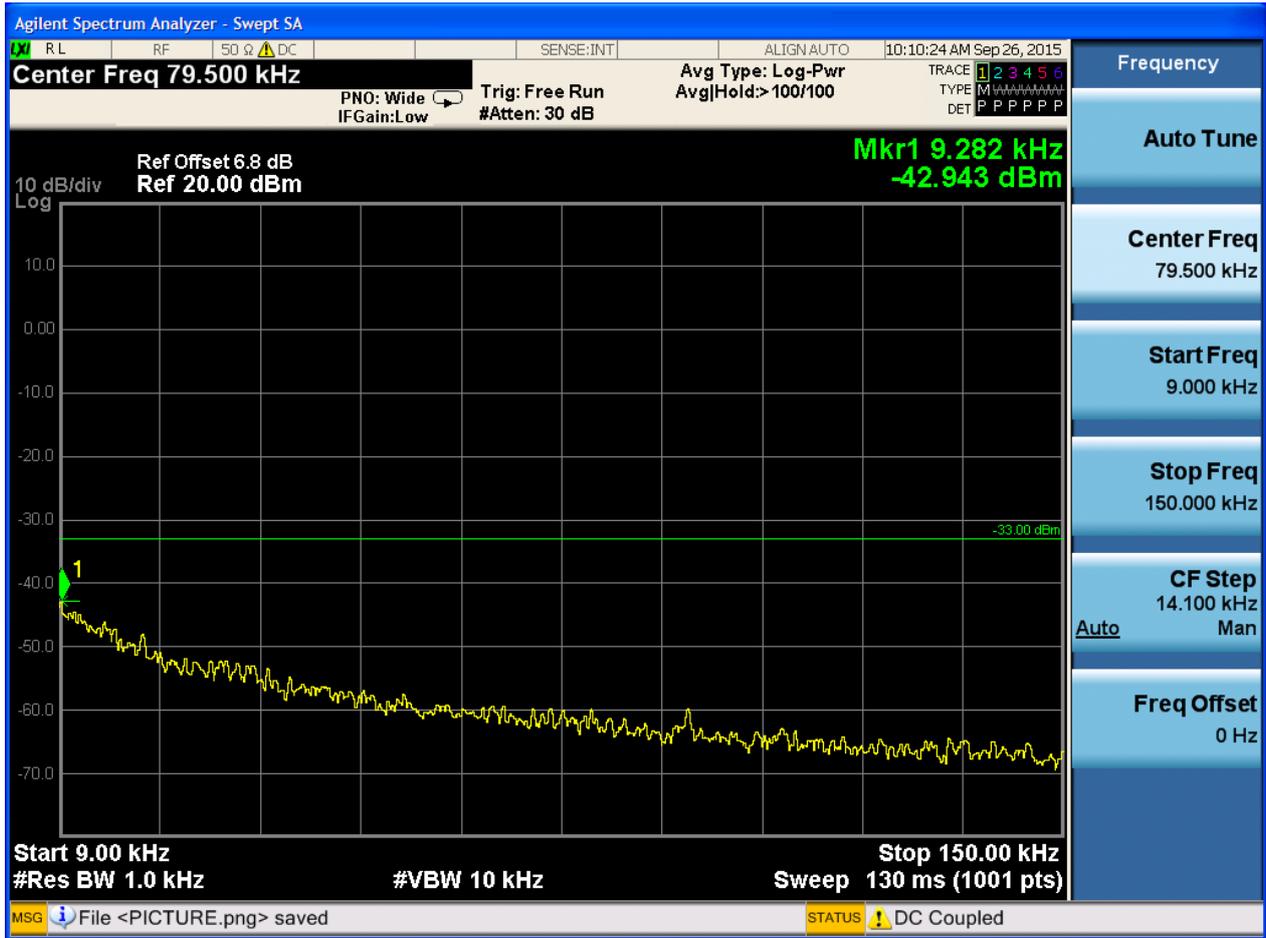
### Part I - Test Plots

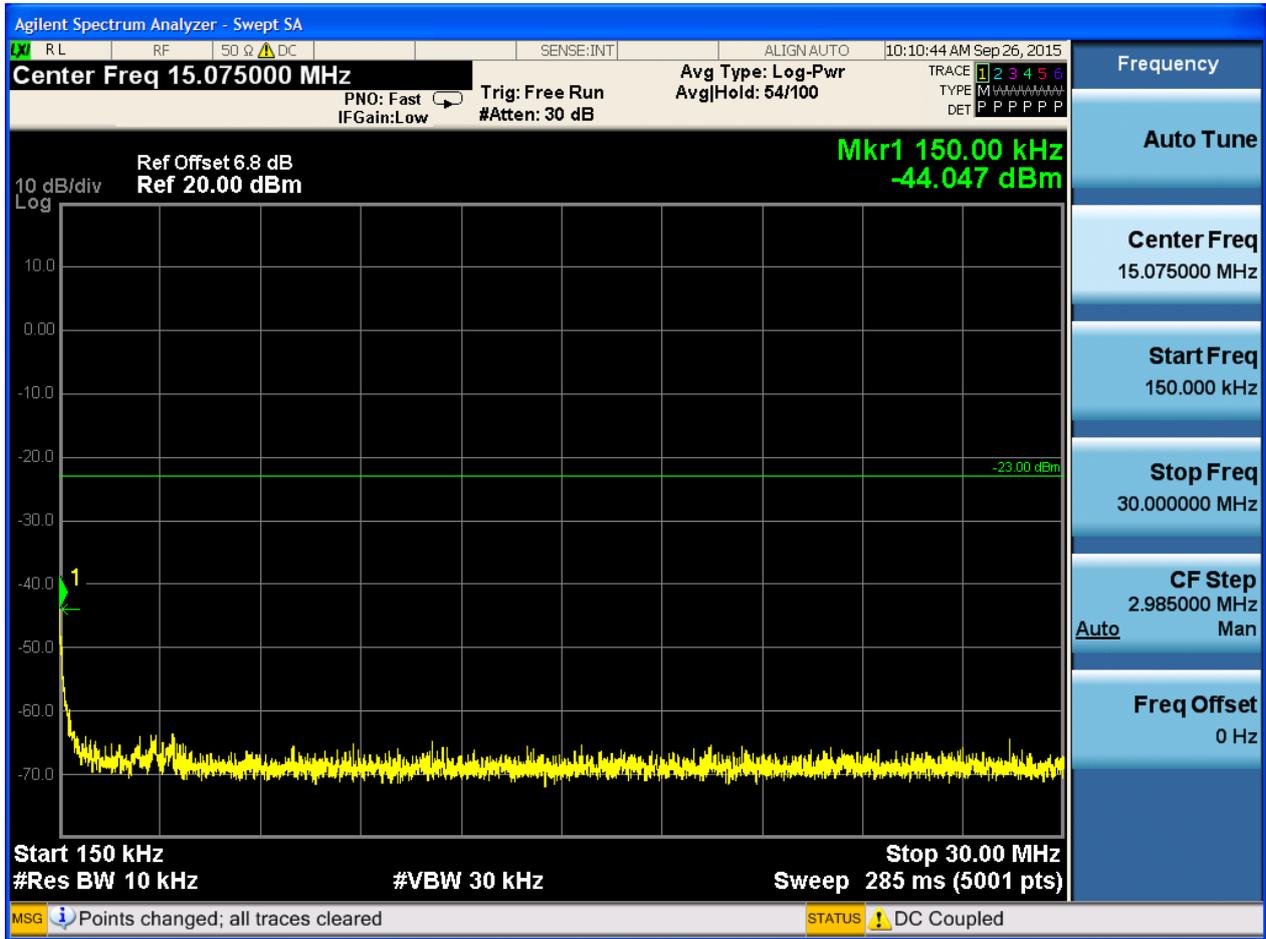
#### 6.1 For GSM

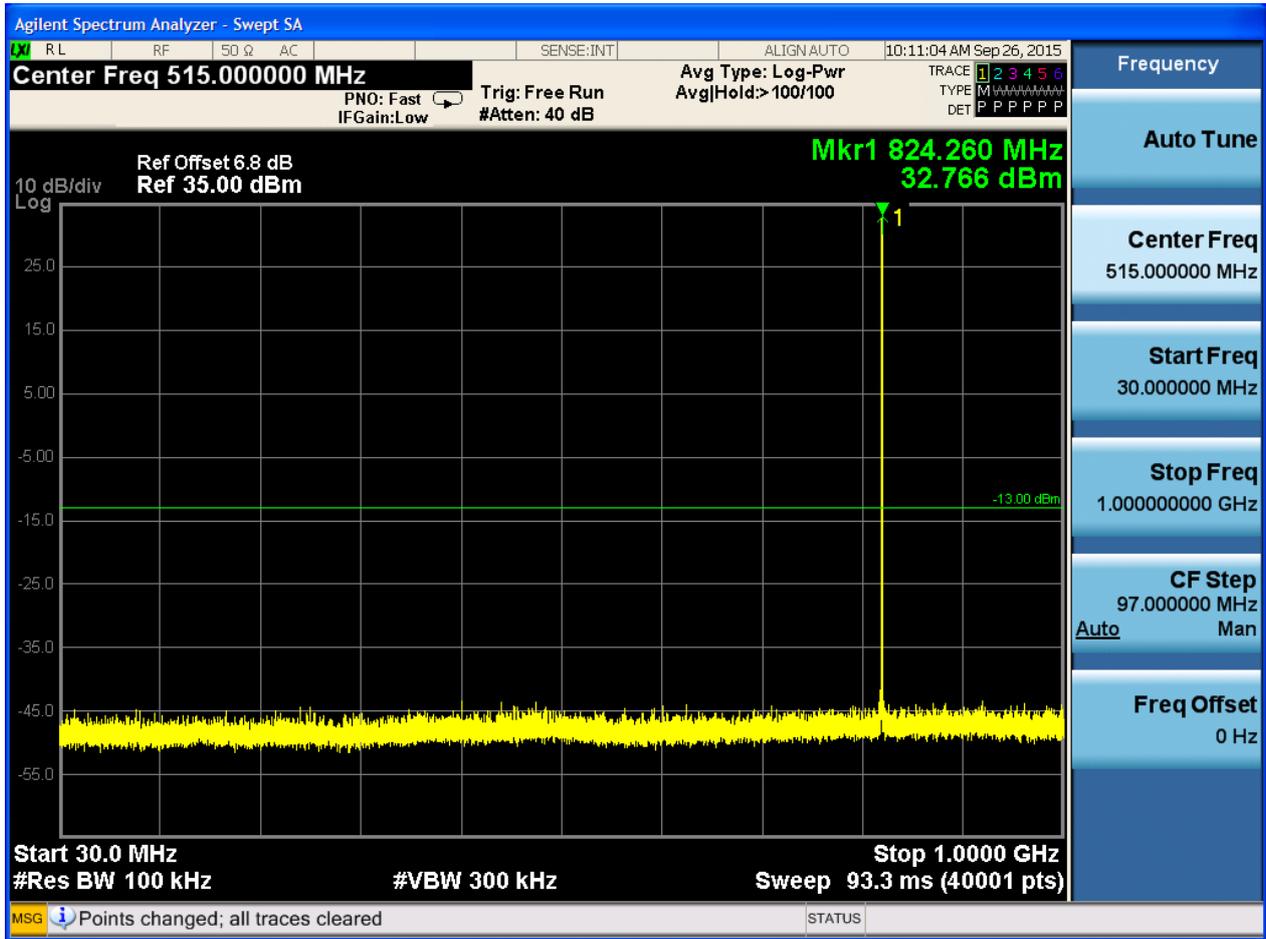
##### 6.1.1 Test Band = GSM850

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

##### 6.1.1.1.1 Test Channel = LCH



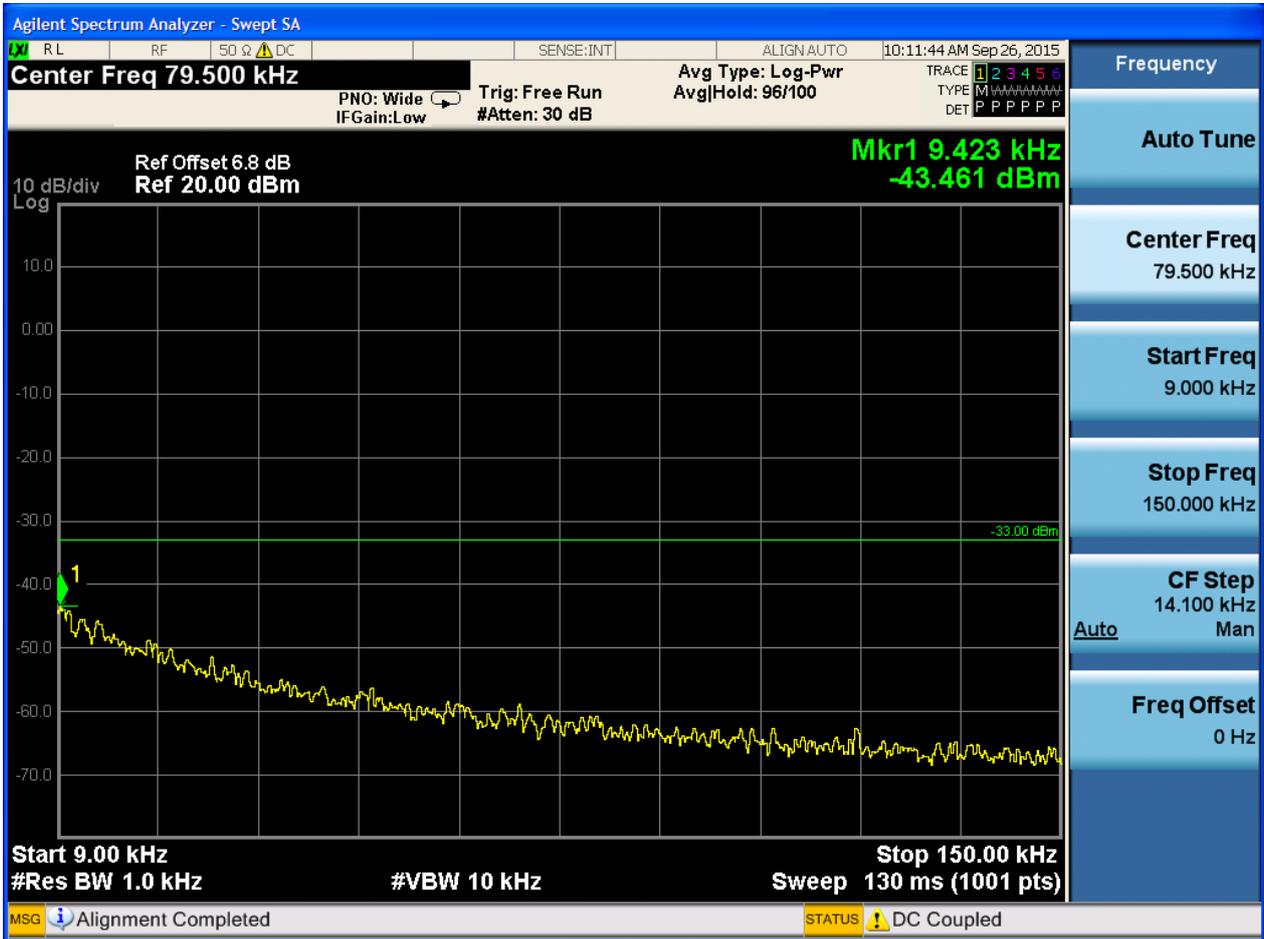


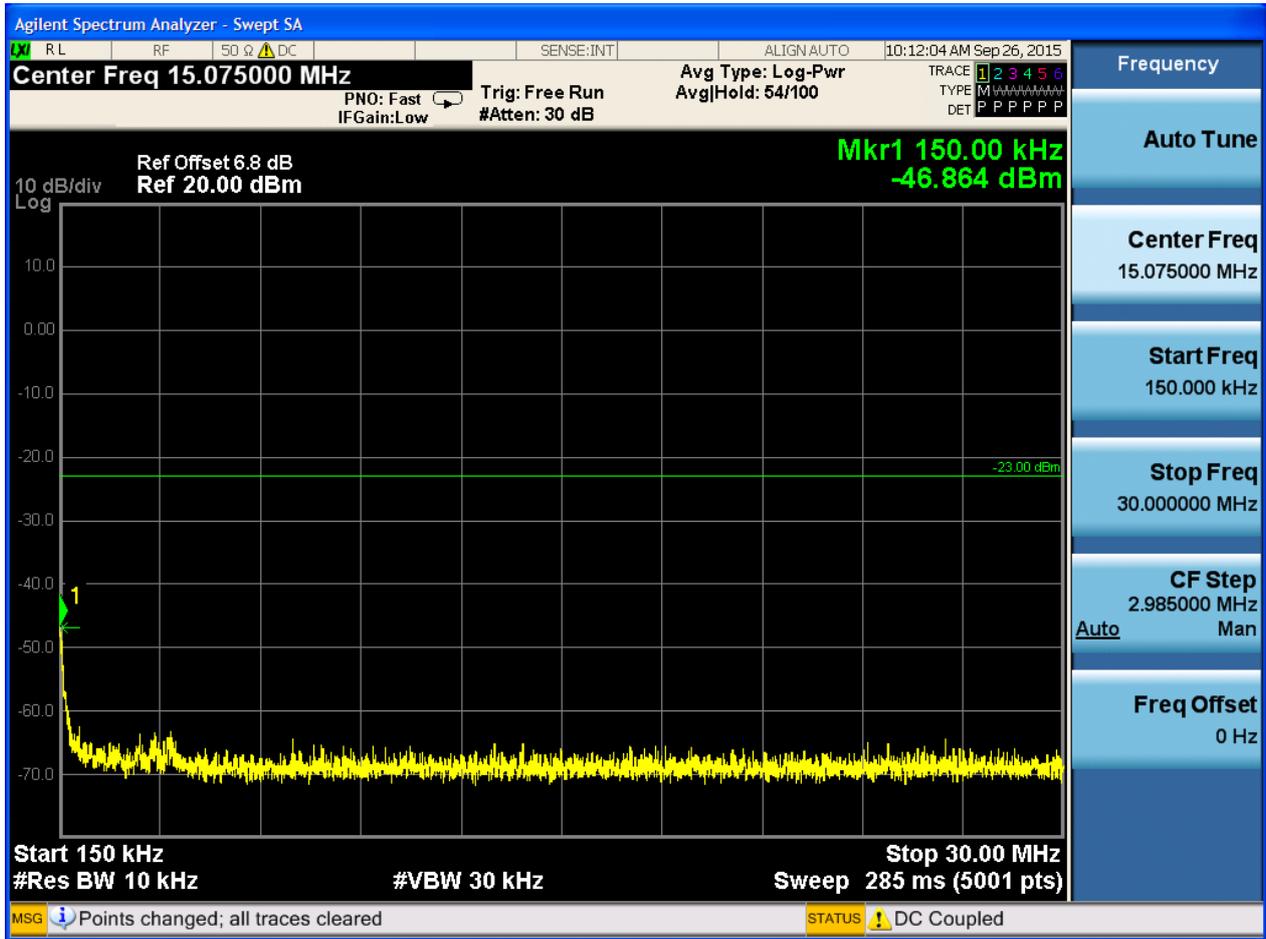


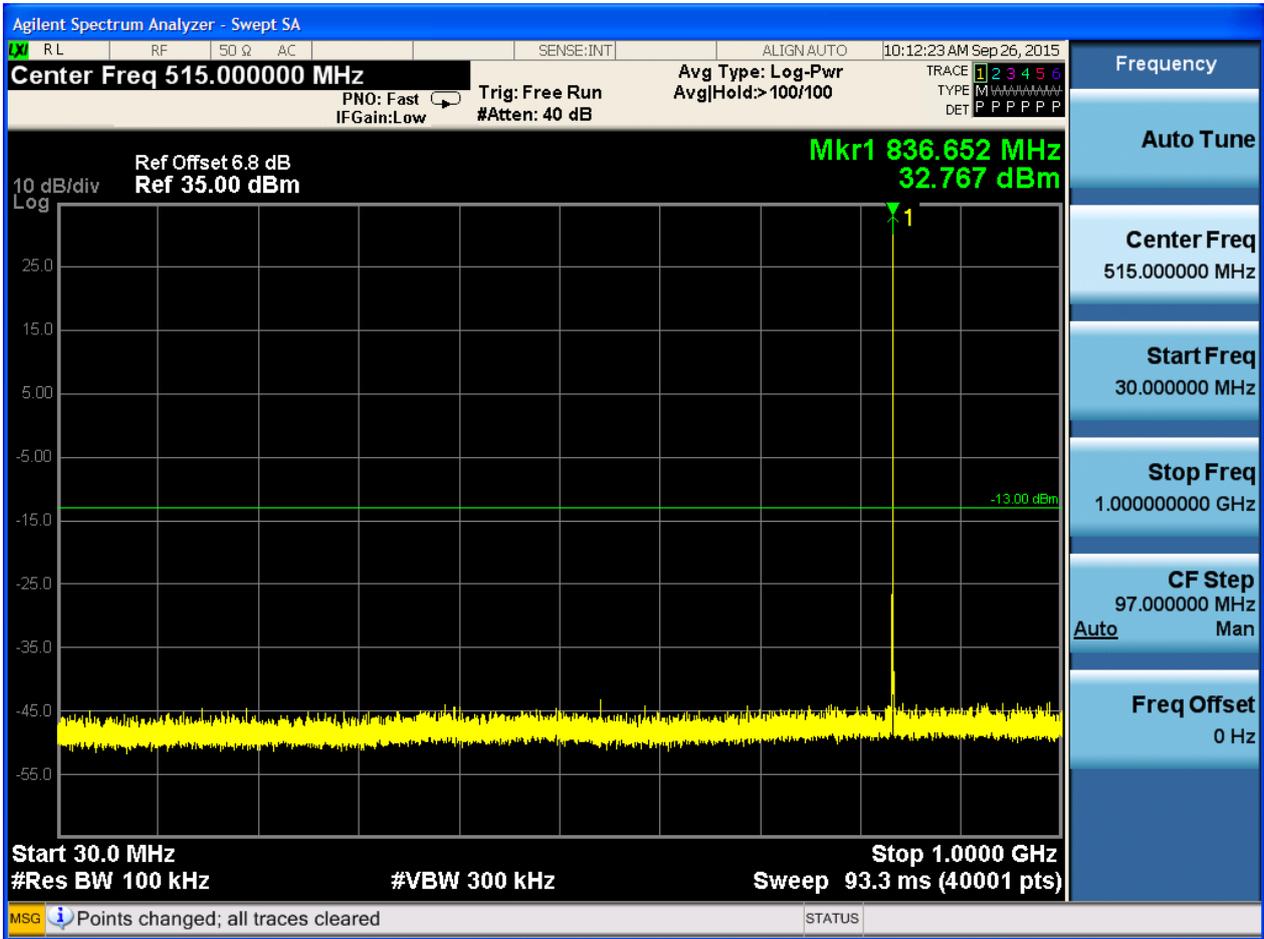


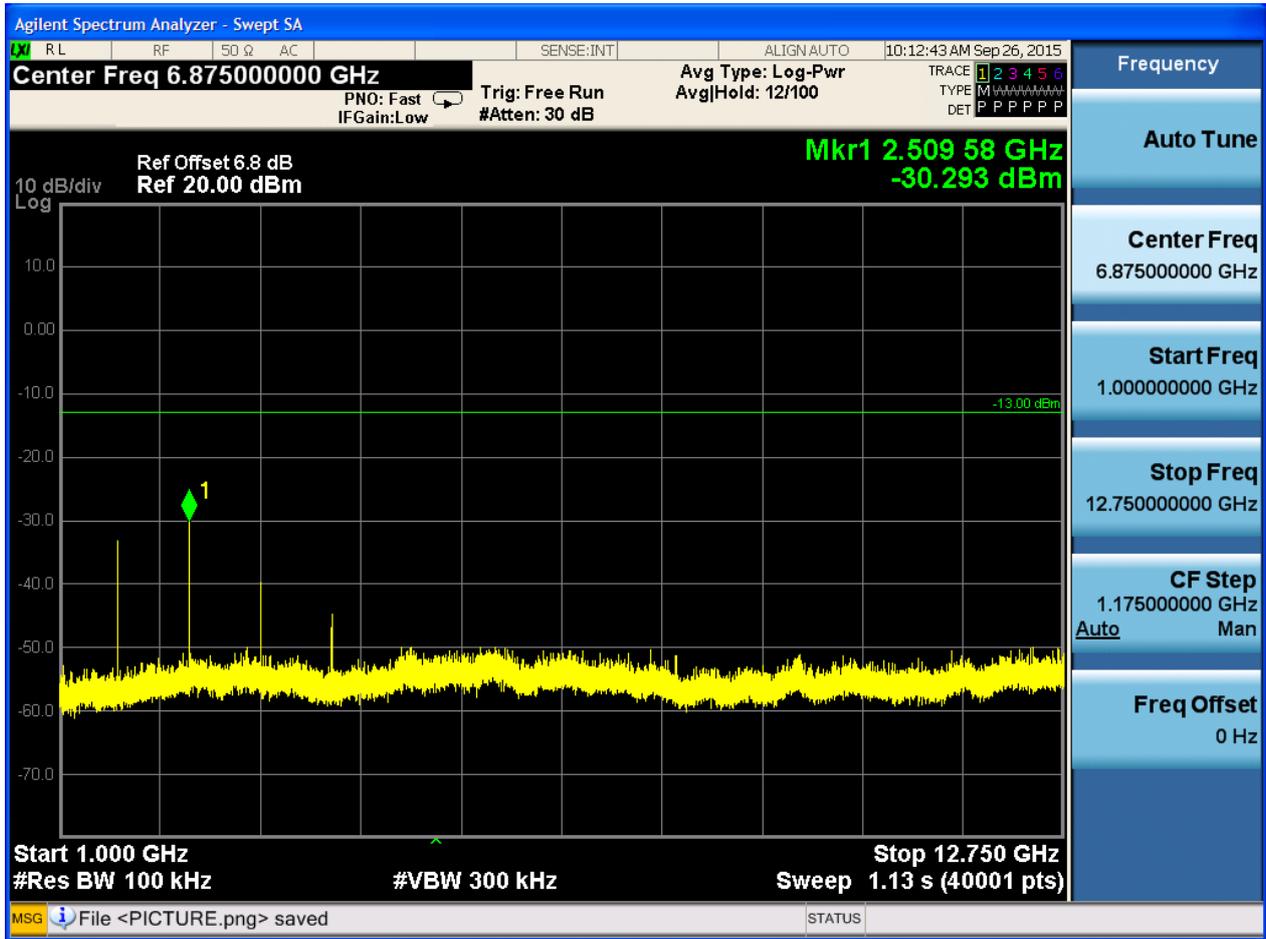


6.1.1.1.2 Test Channel = MCH



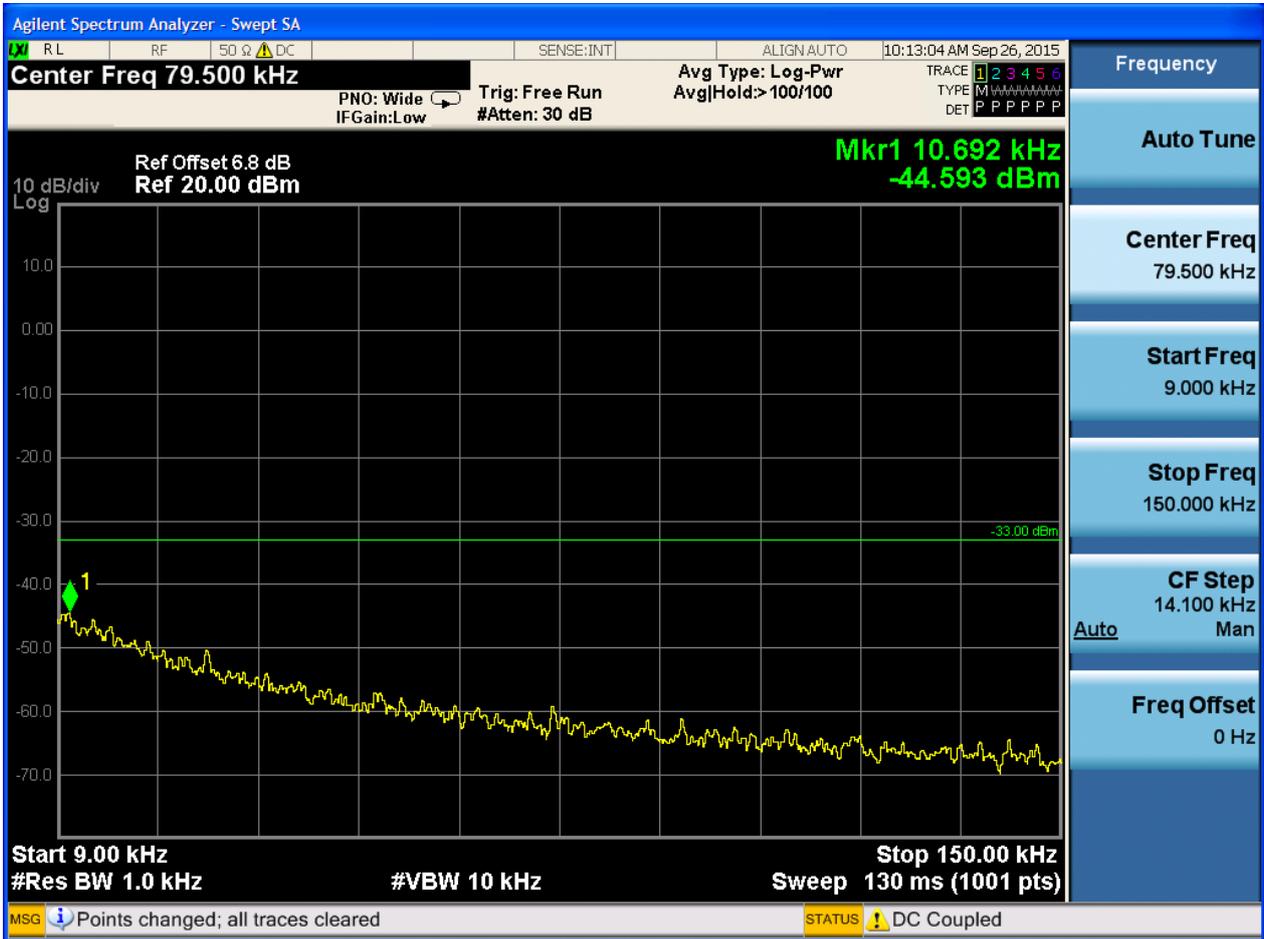


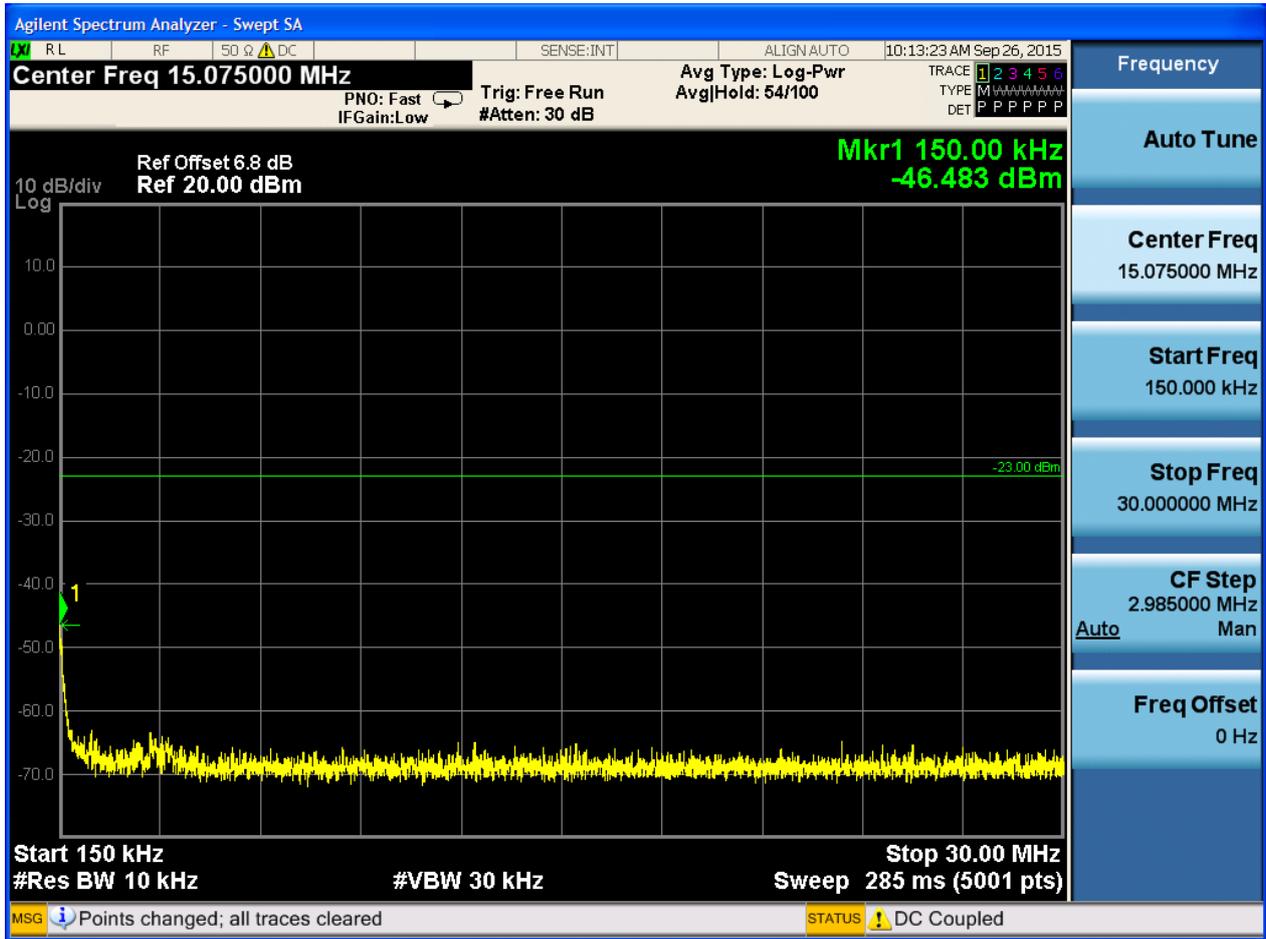


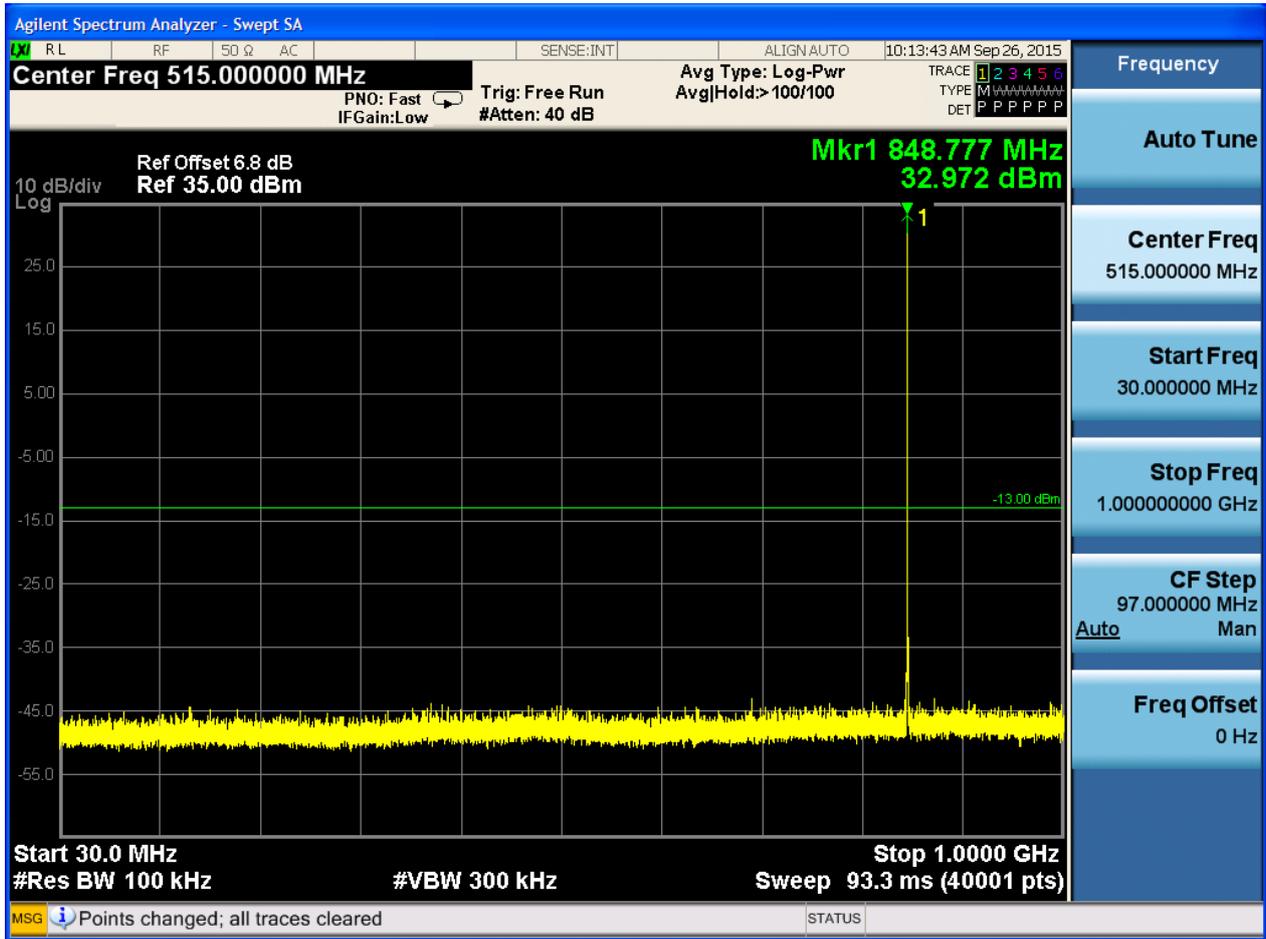


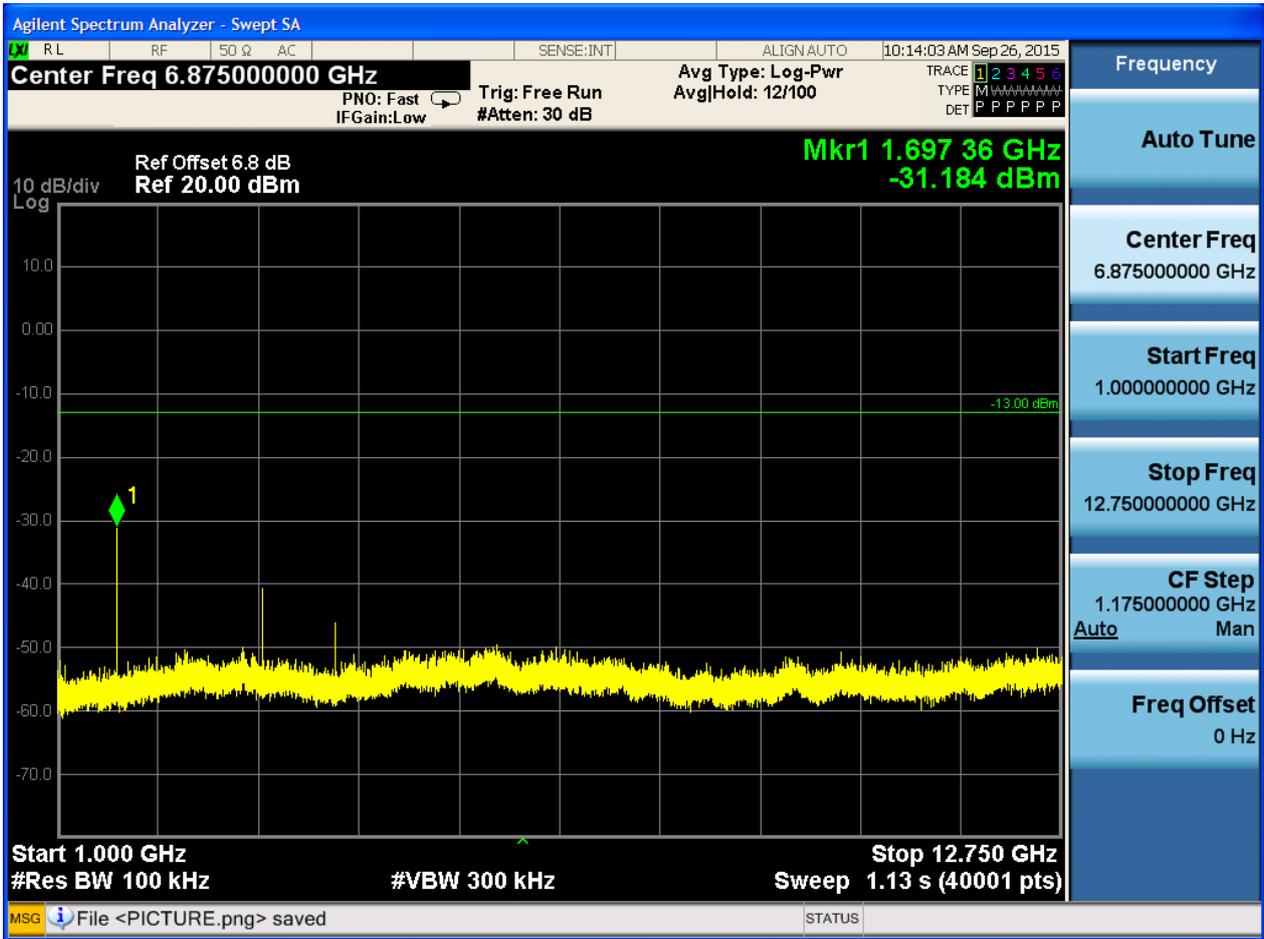


### 6.1.1.1.3 Test Channel = HCH





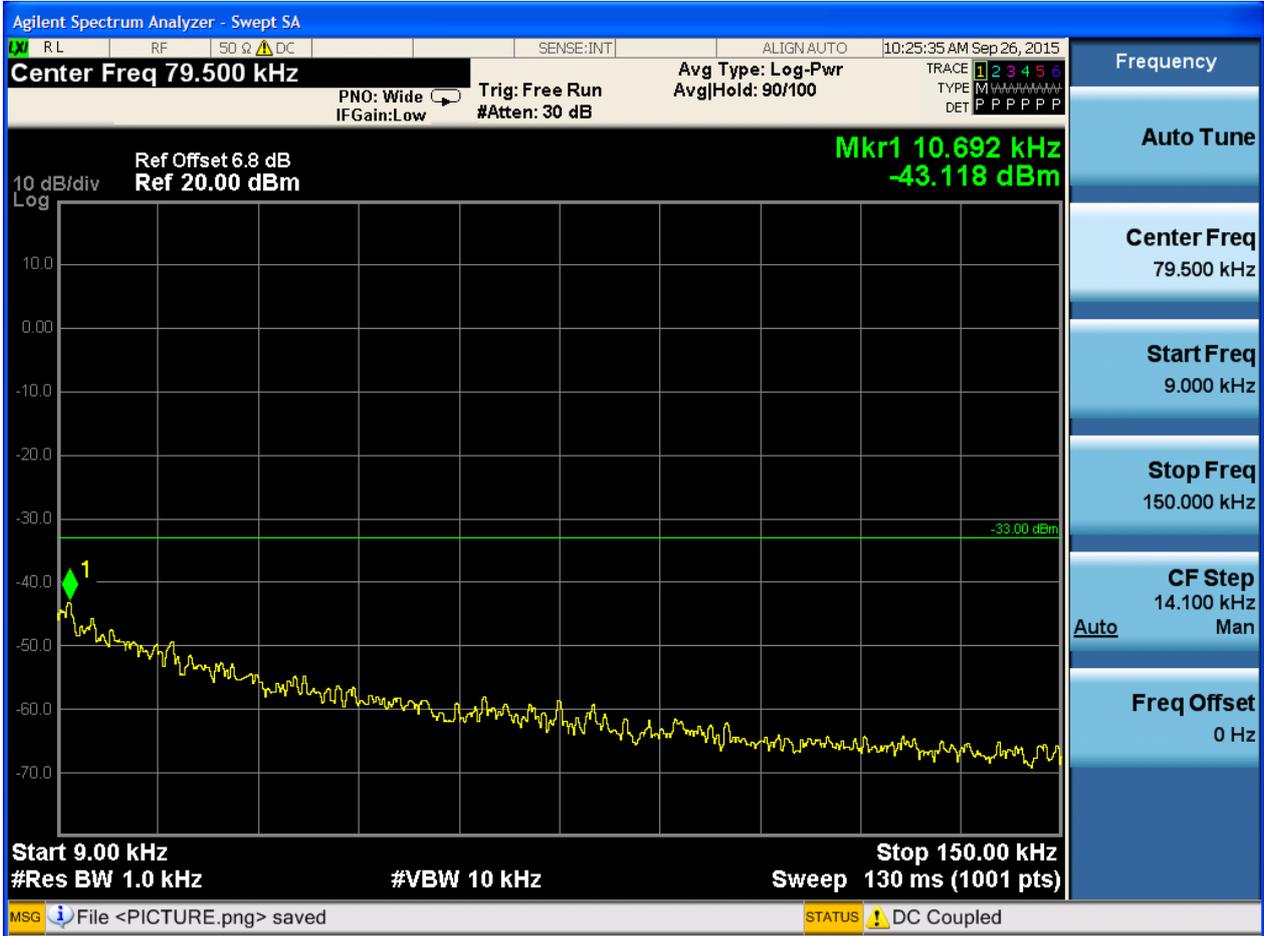


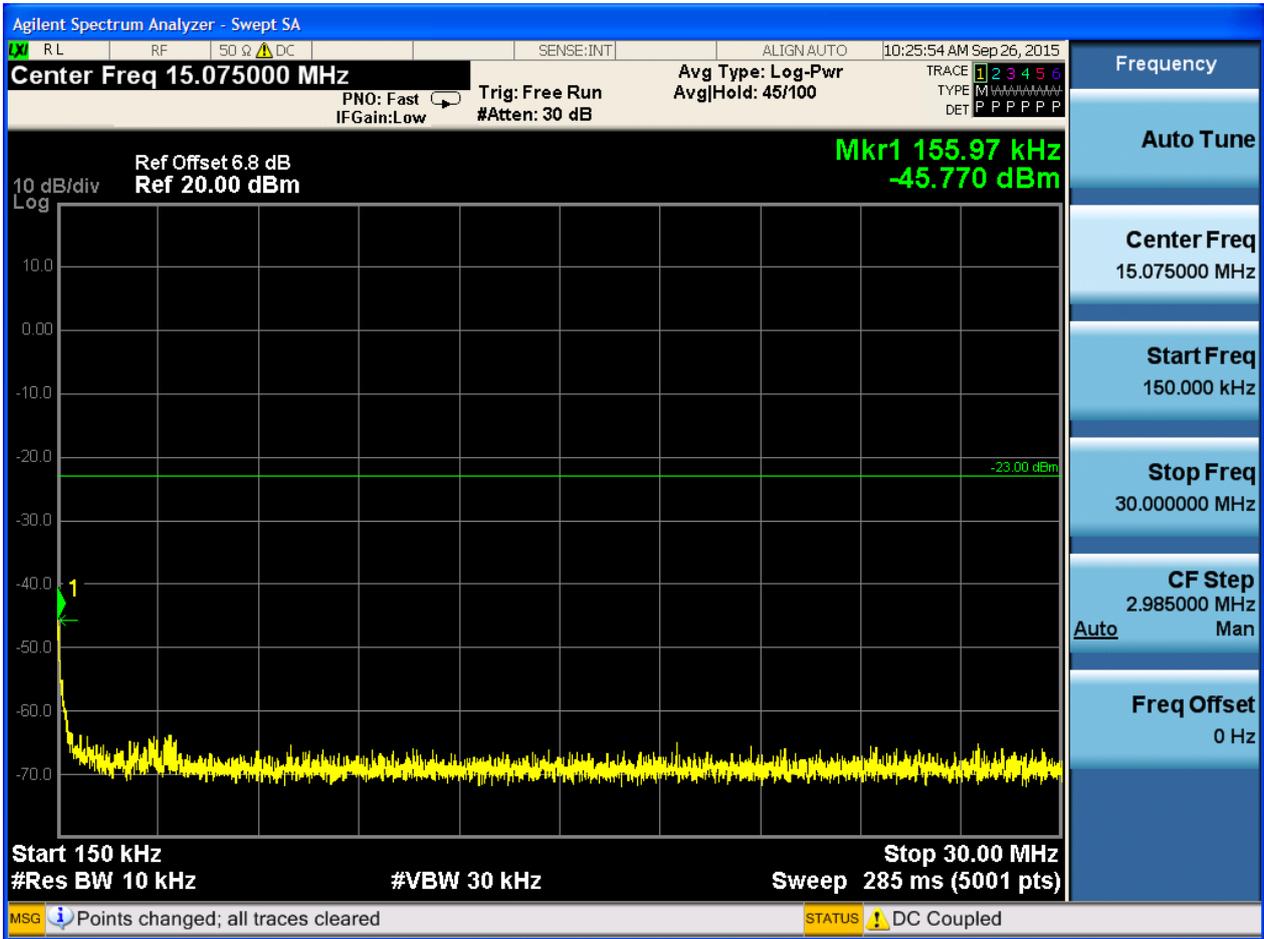


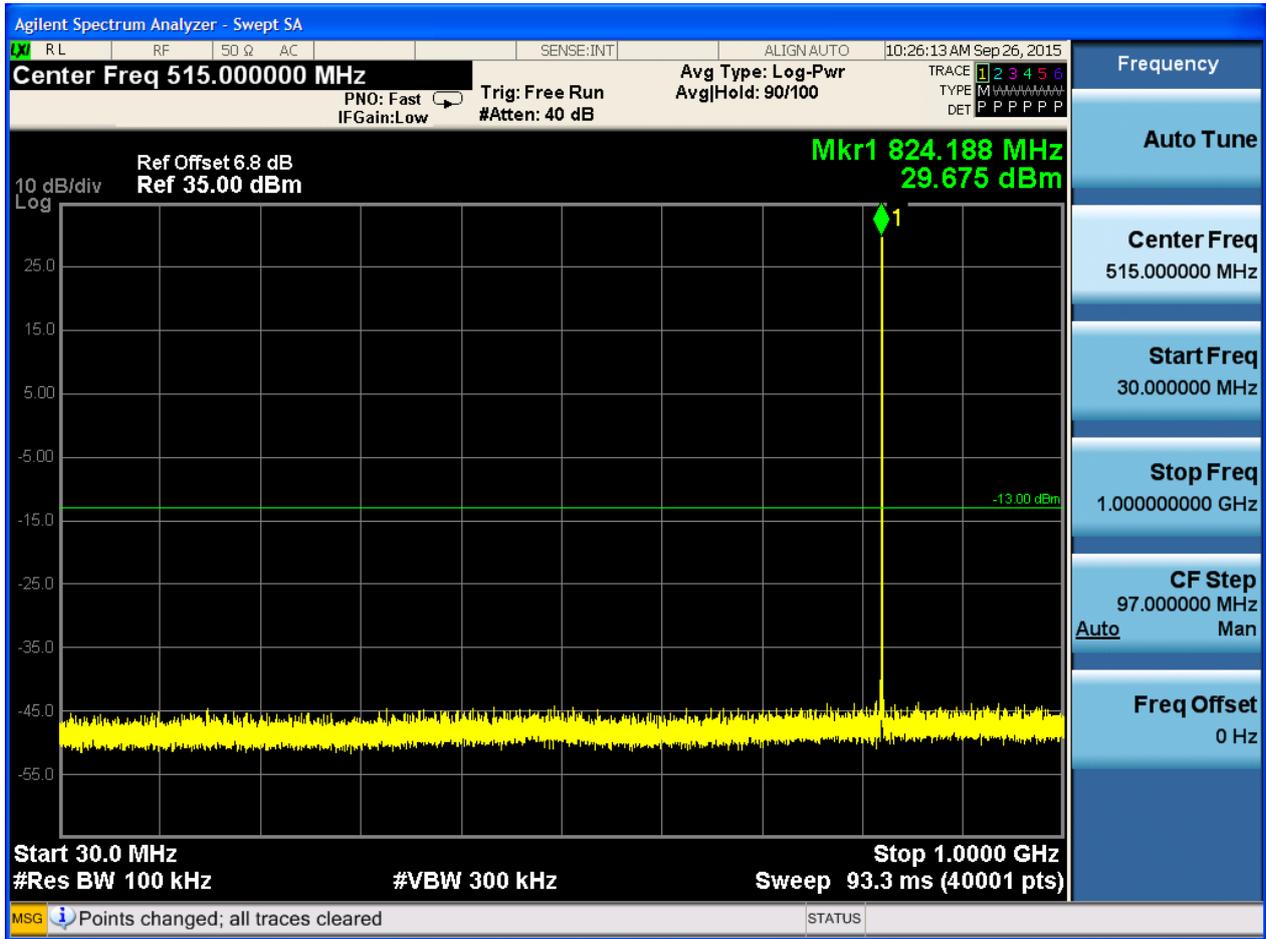


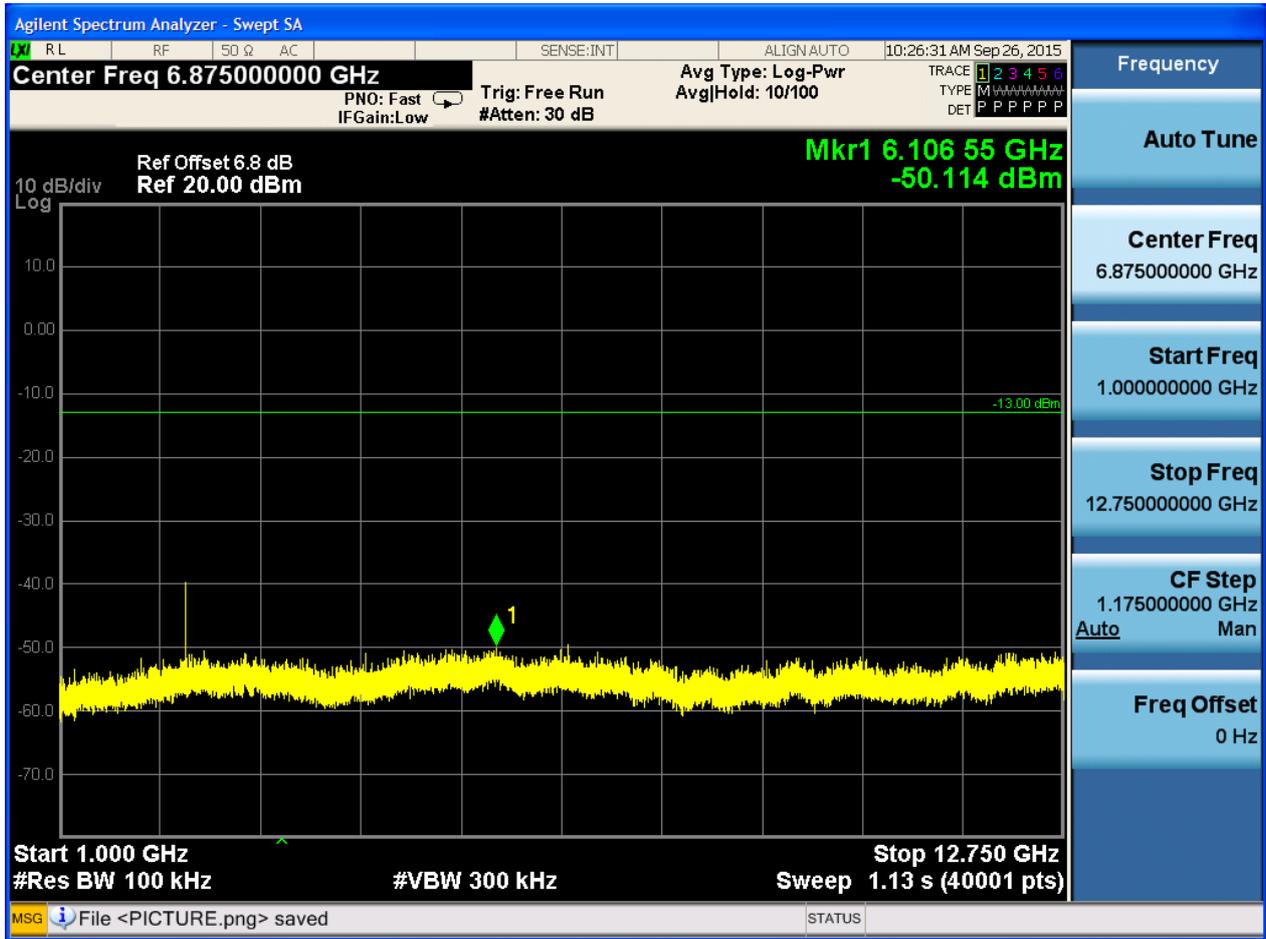
6.1.1.2 Test Mode = GSM/TM2

6.1.1.2.1 Test Channel = LCH



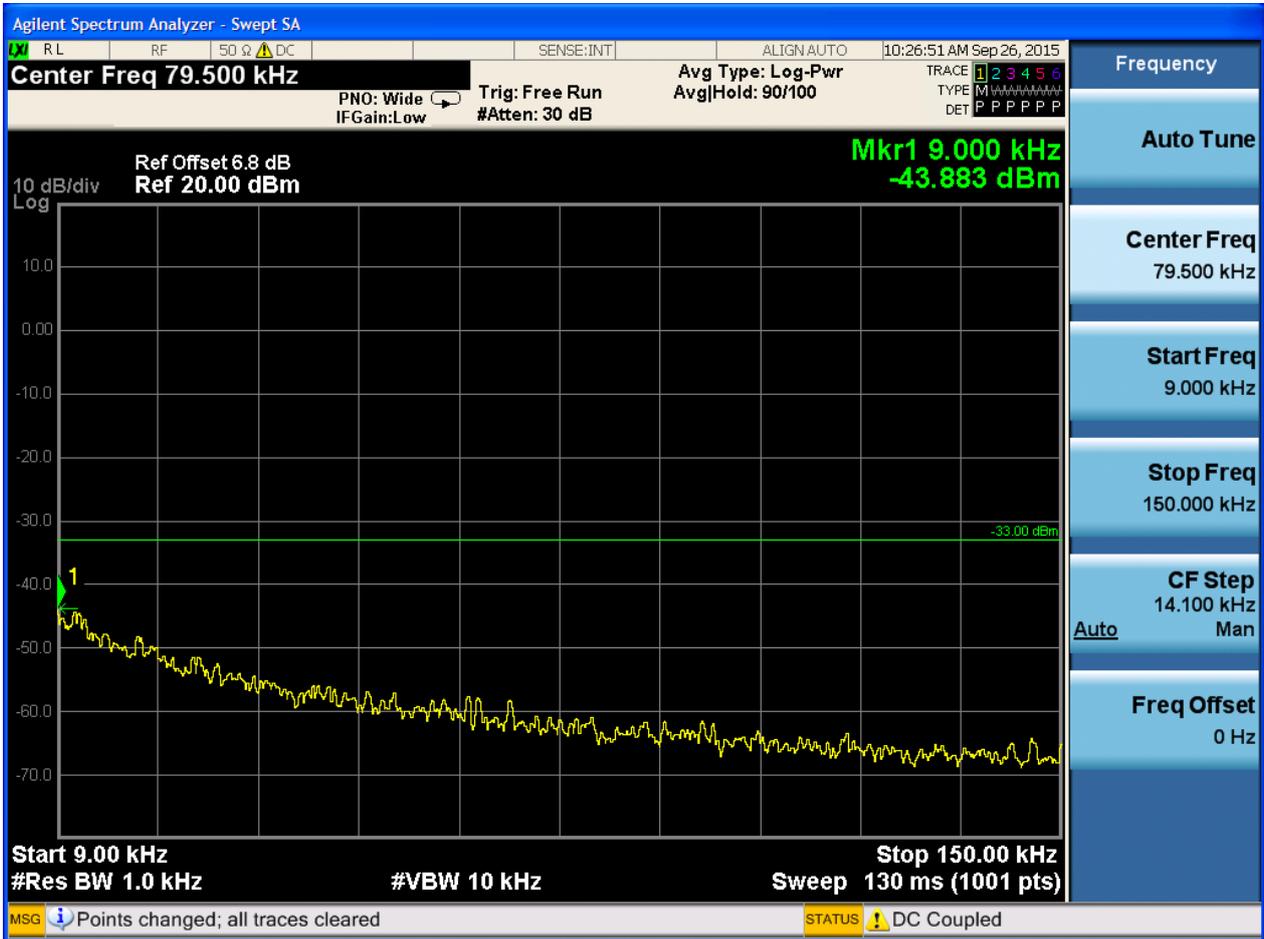


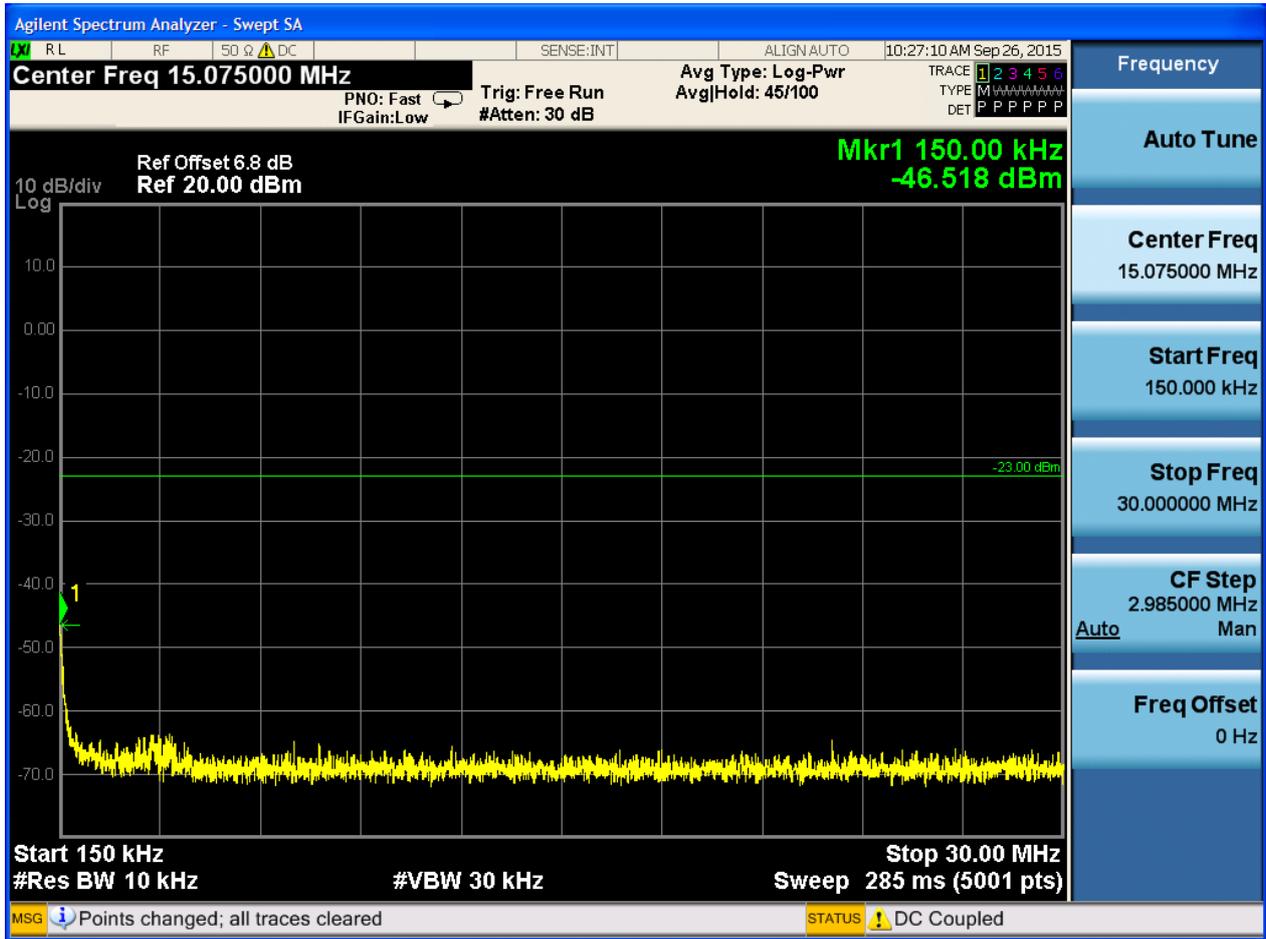


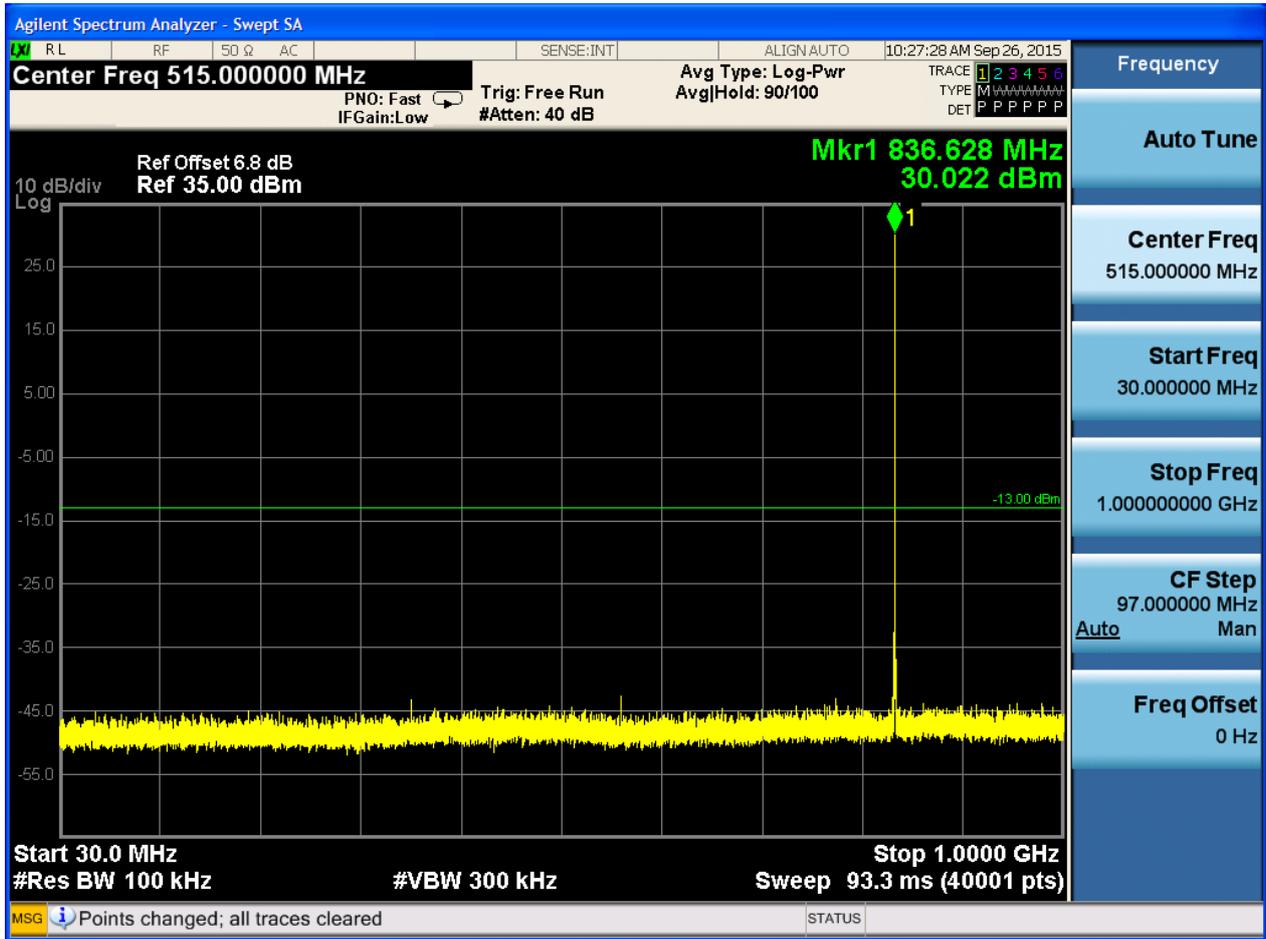




### 6.1.1.2.2 Test Channel = MCH





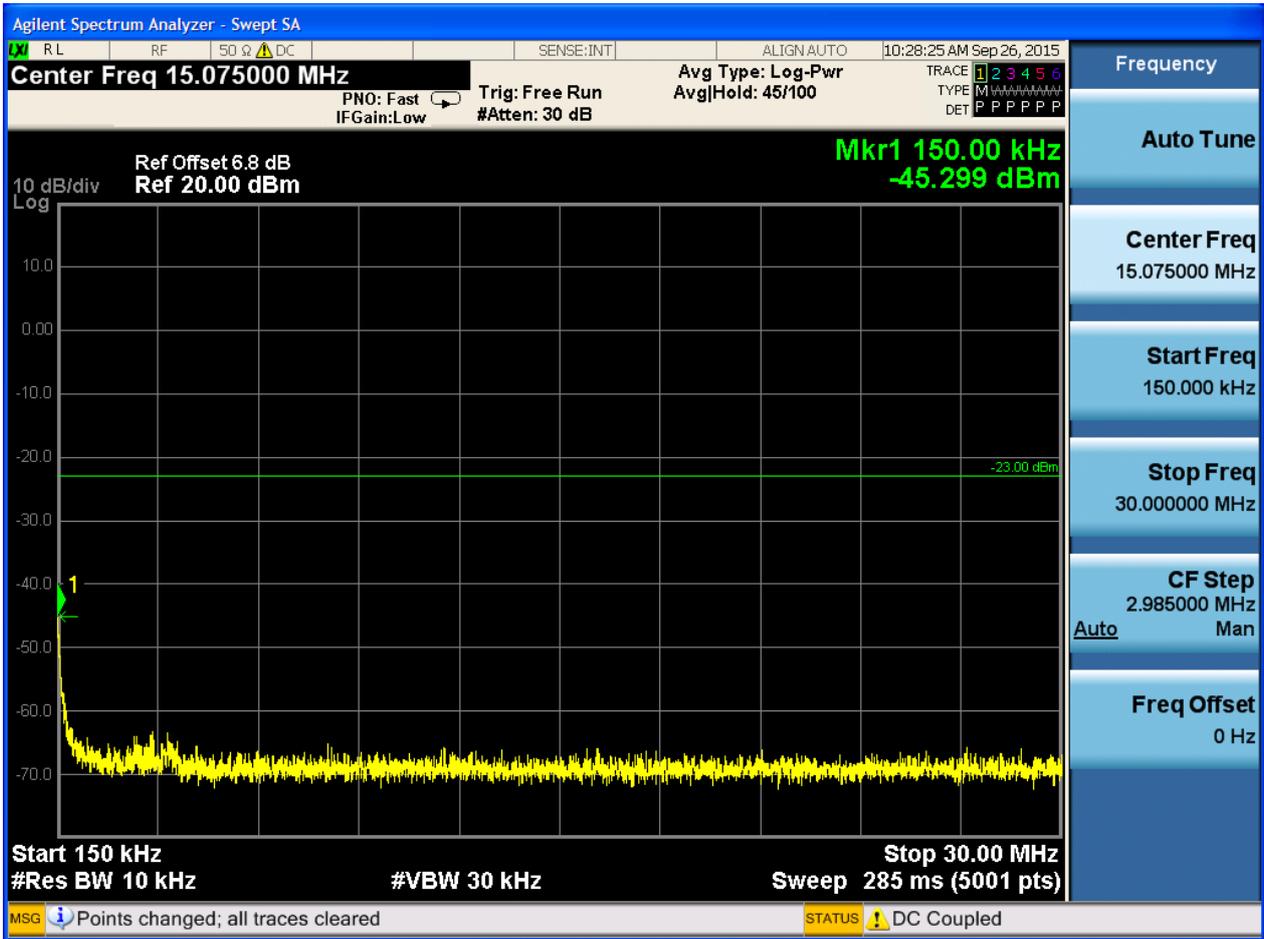


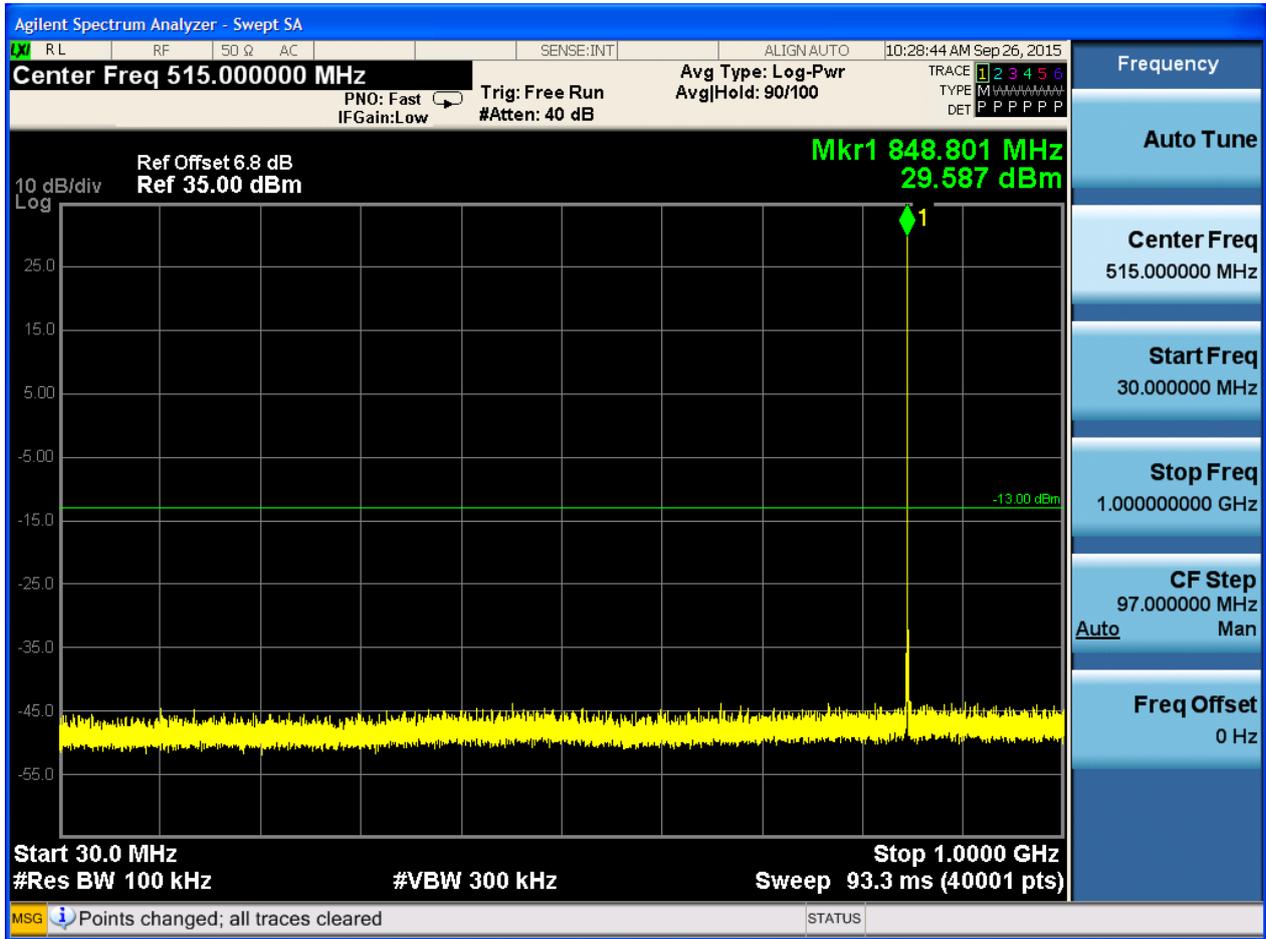


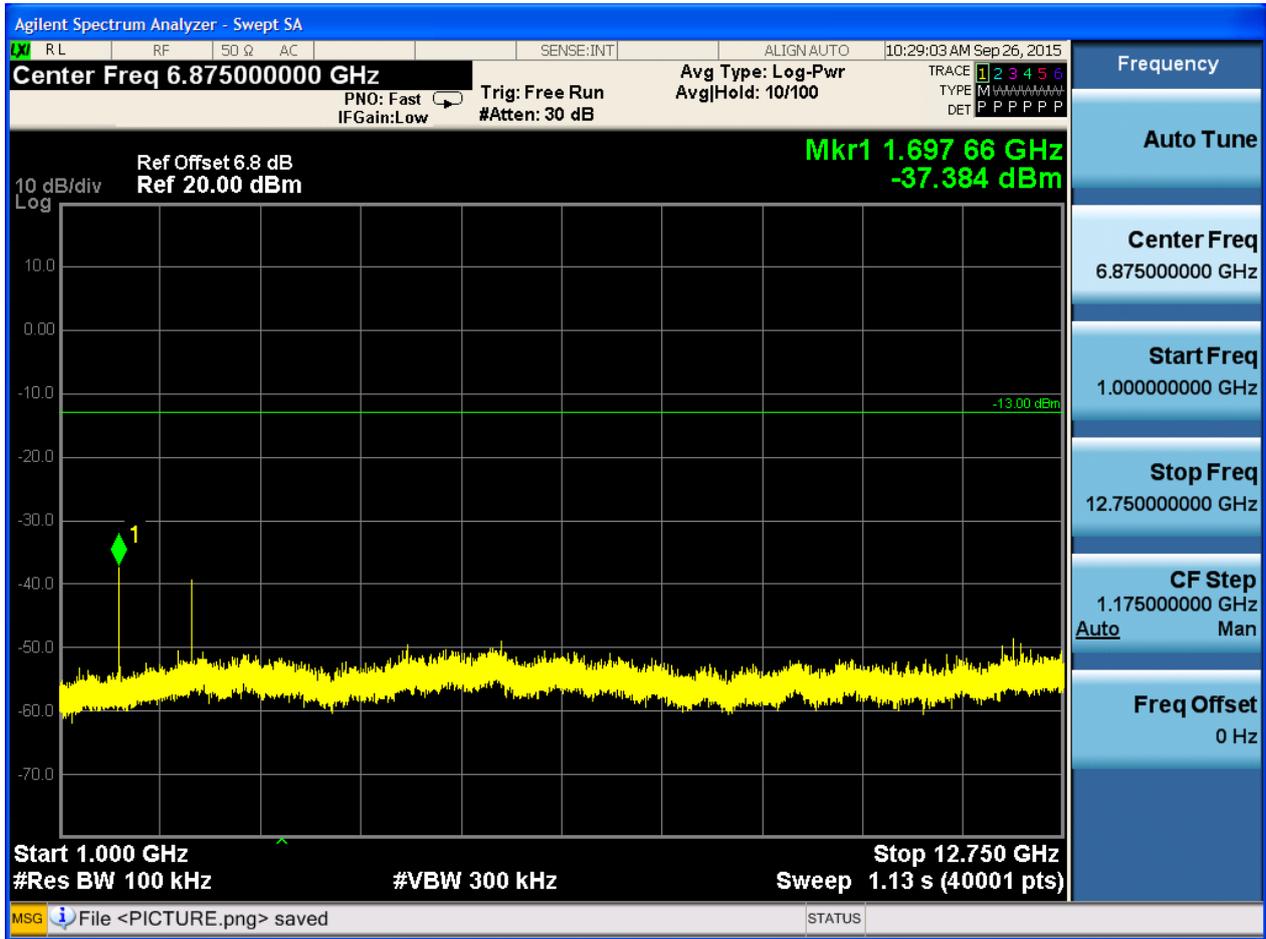


6.1.1.2.3 Test Channel = HCH







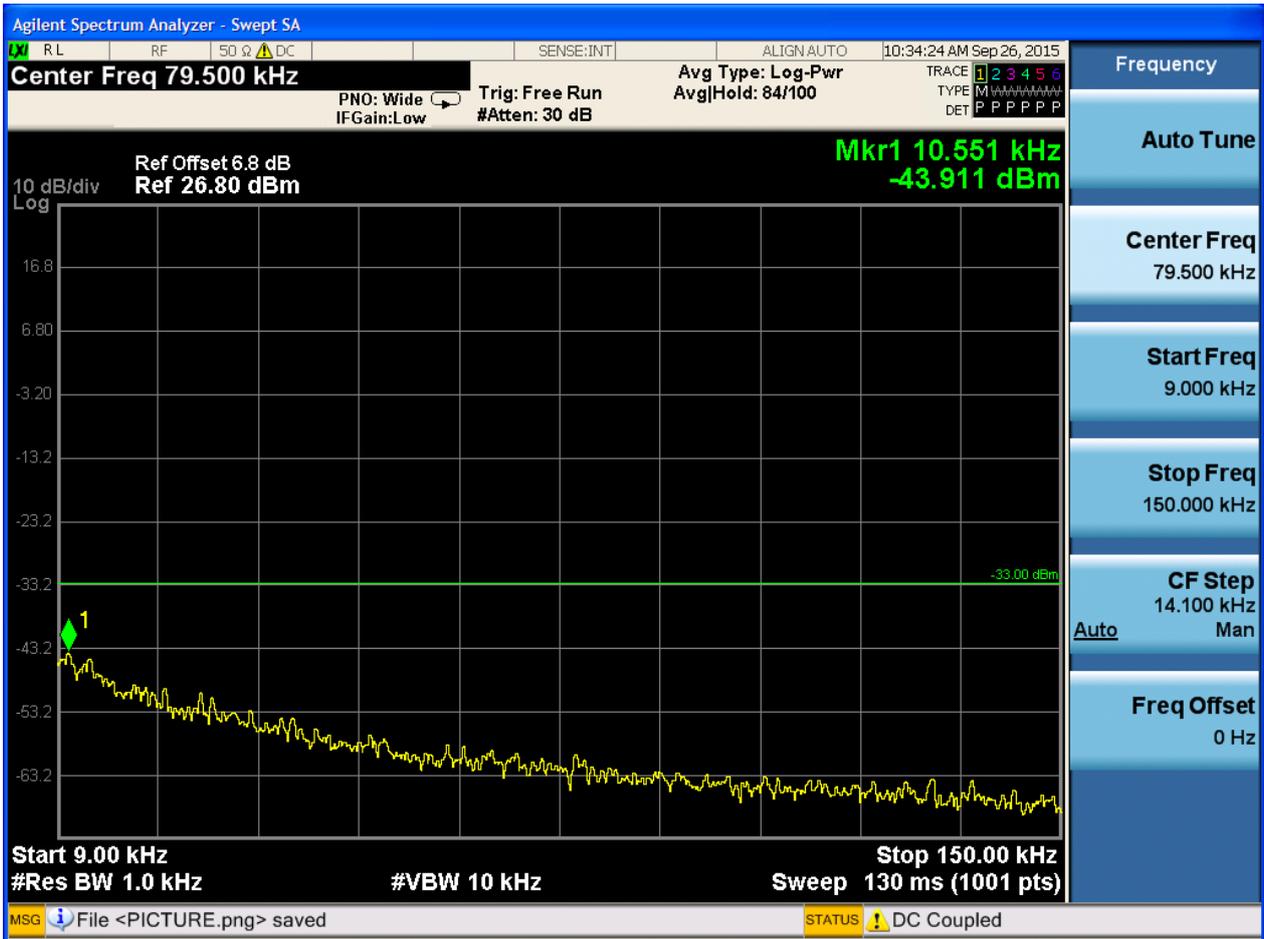


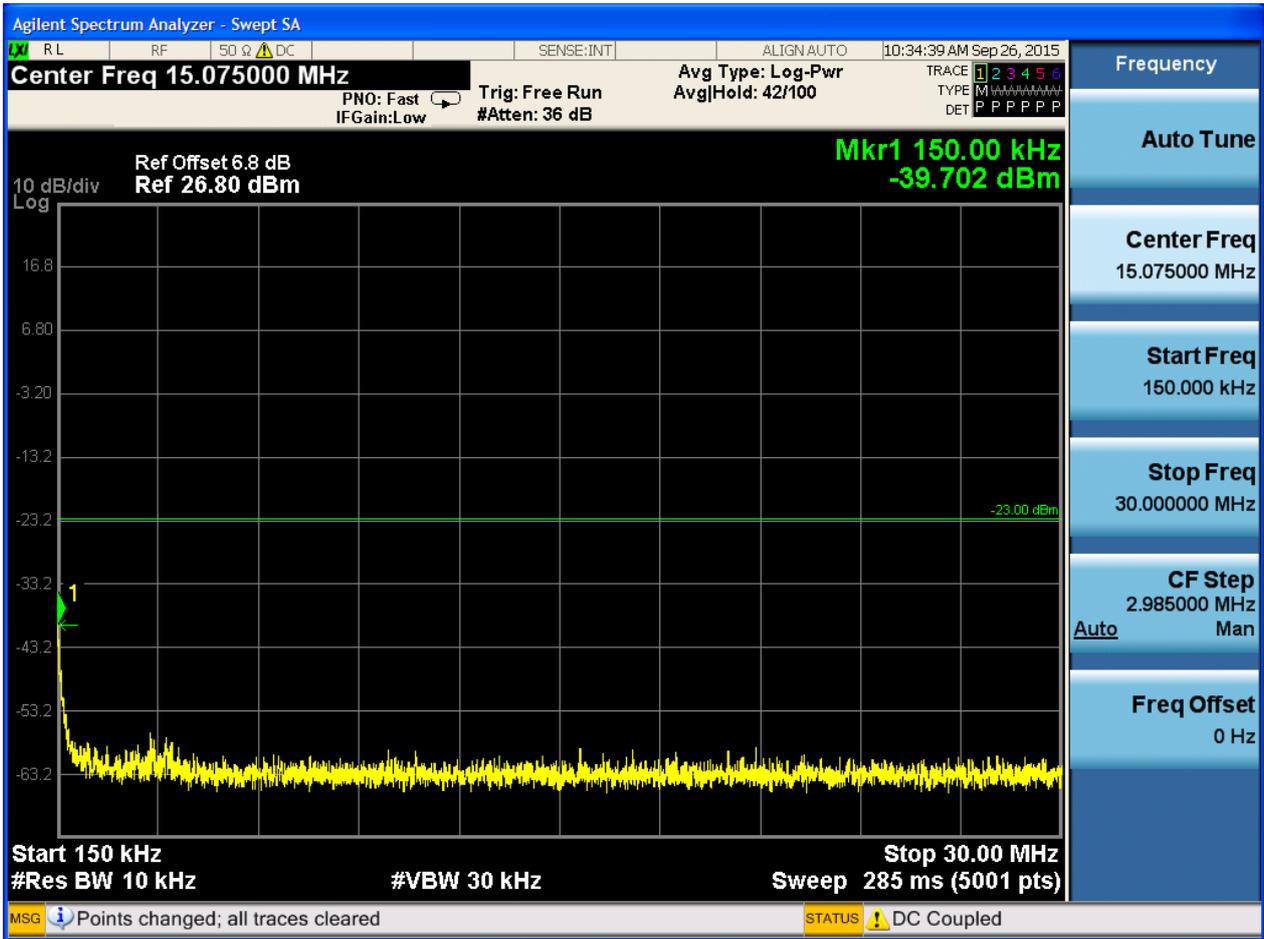


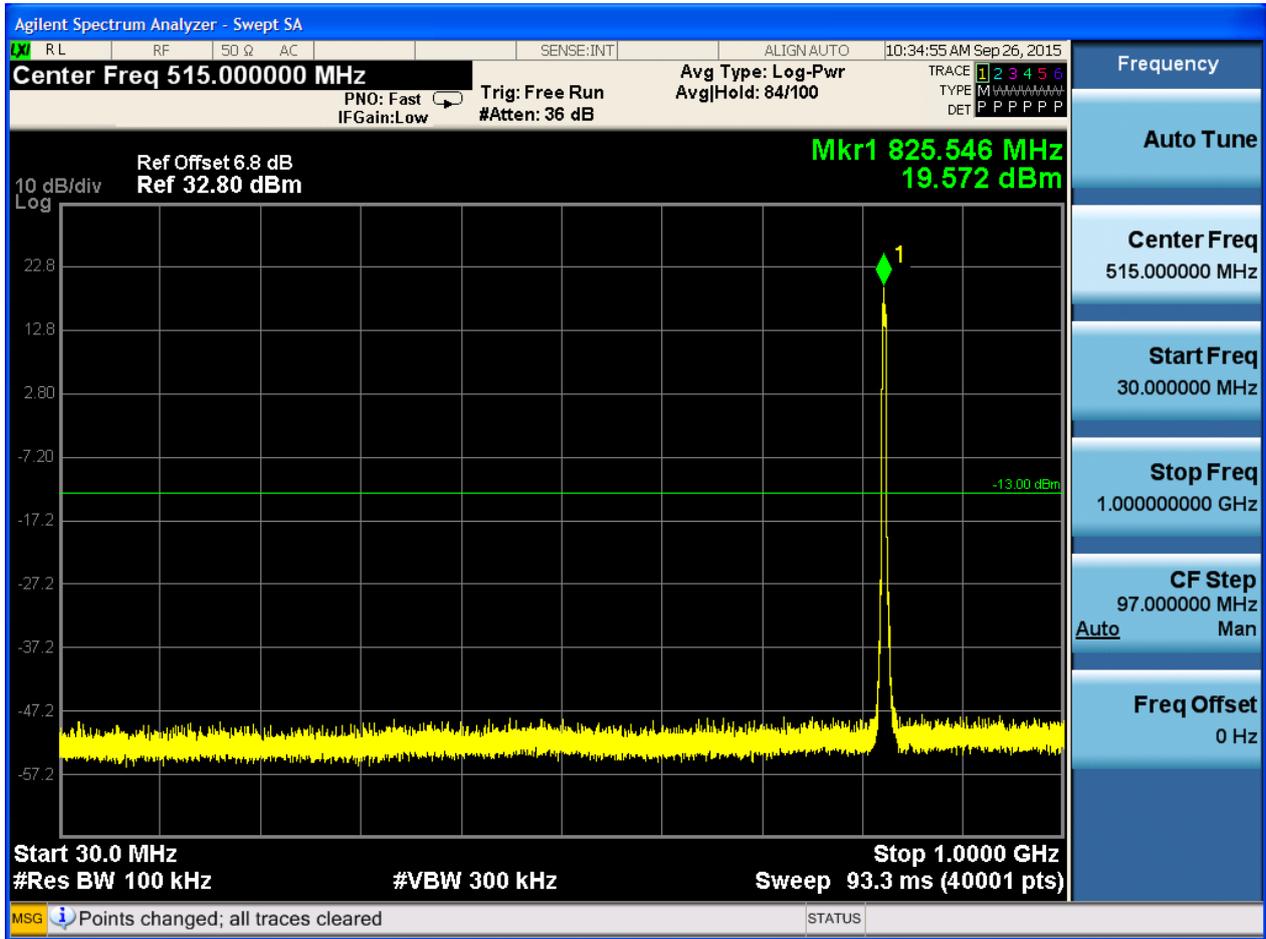
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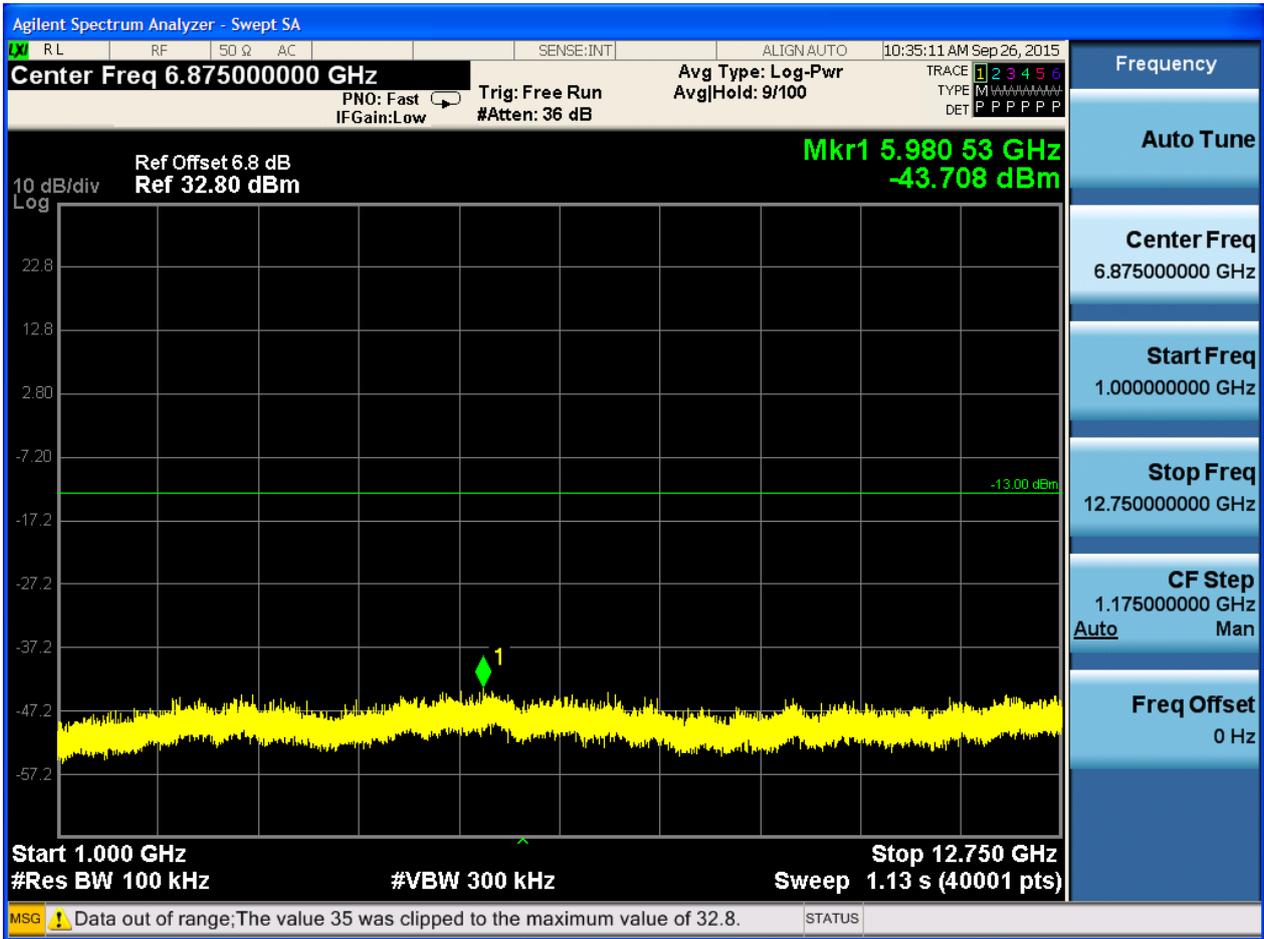
6.1.2.1 Test Mode = UMTS/TM1

6.1.2.1.1 Test Channel = LCH



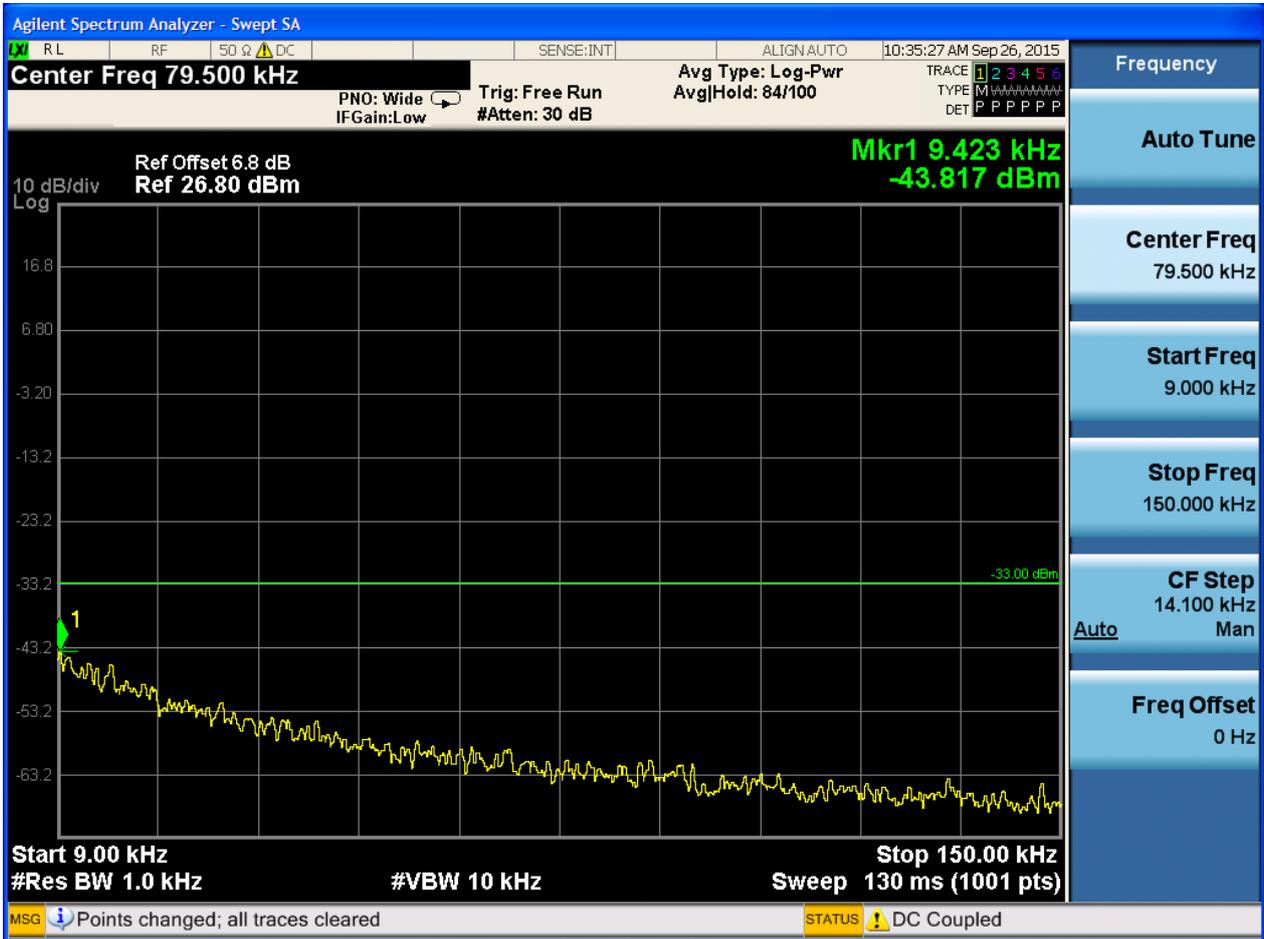


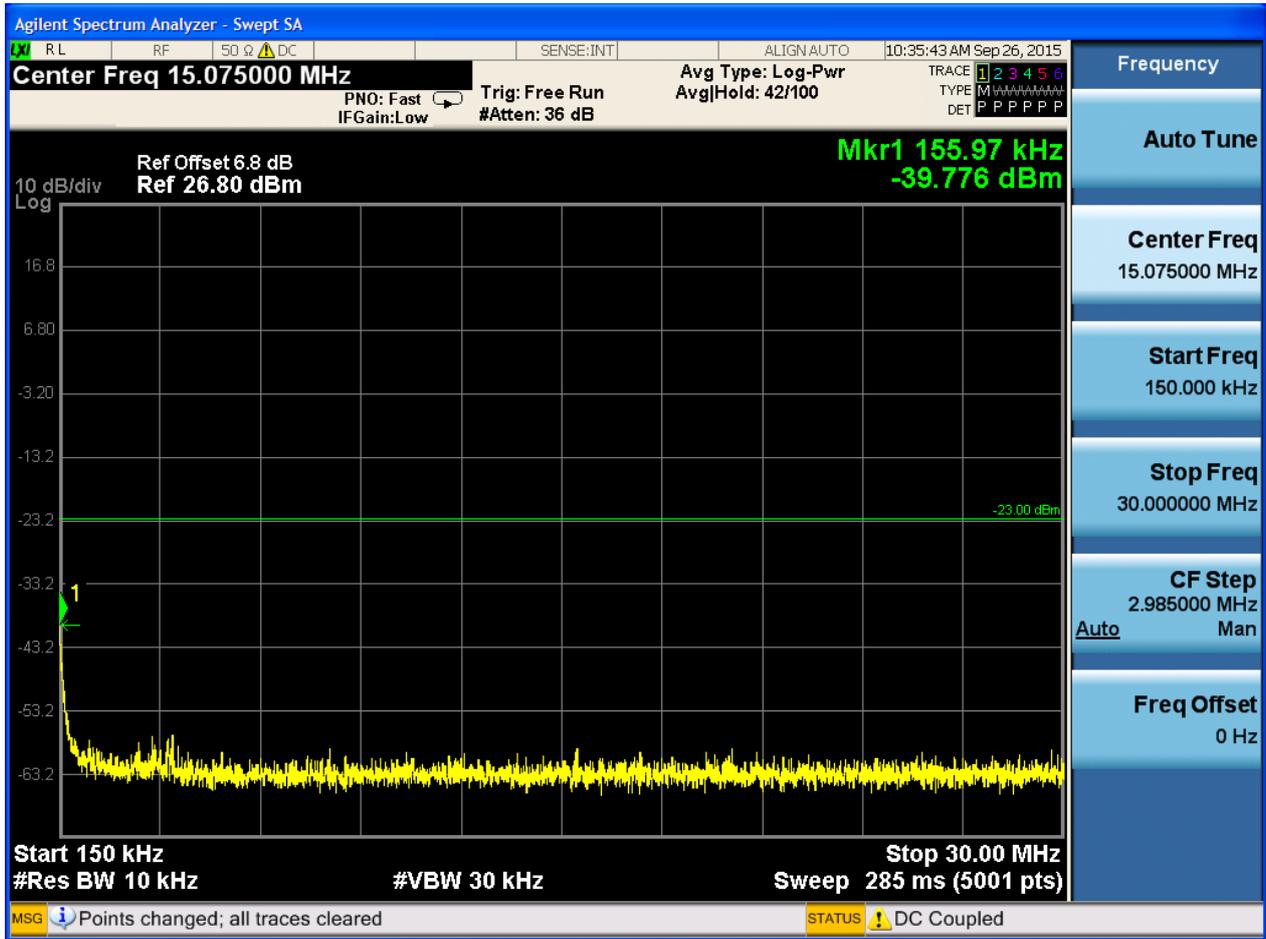




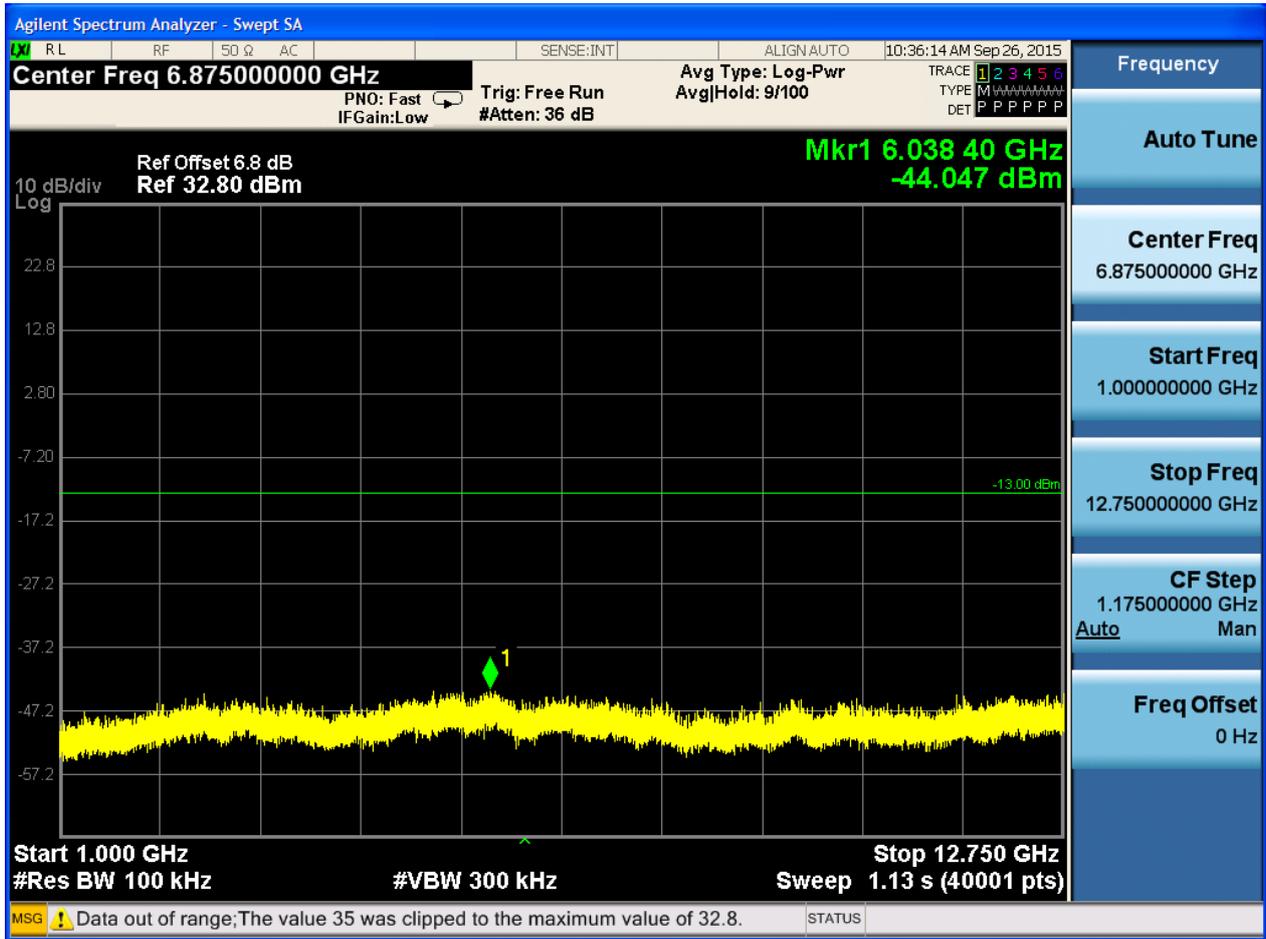


6.1.2.1.2 Test Channel = MCH





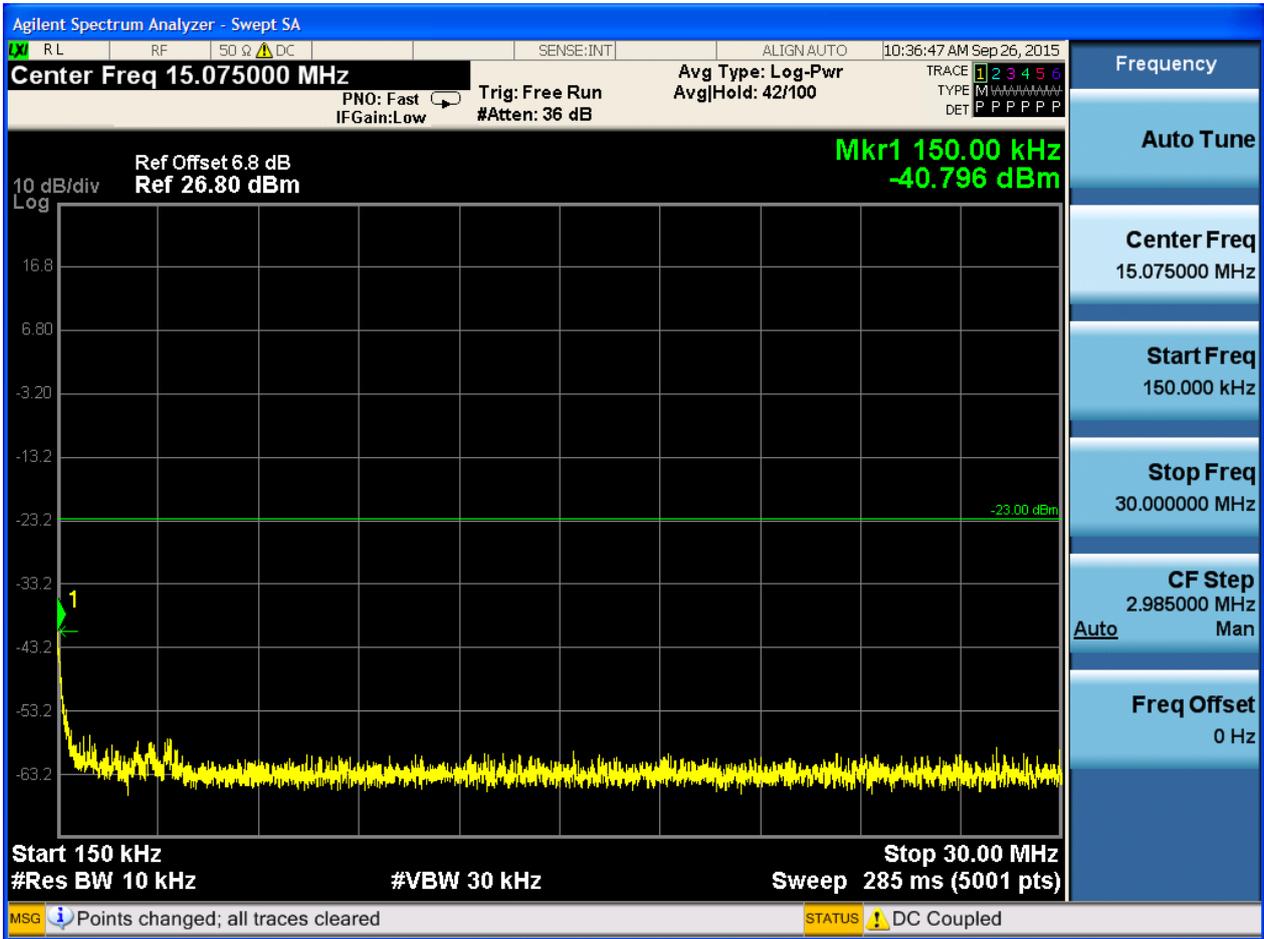


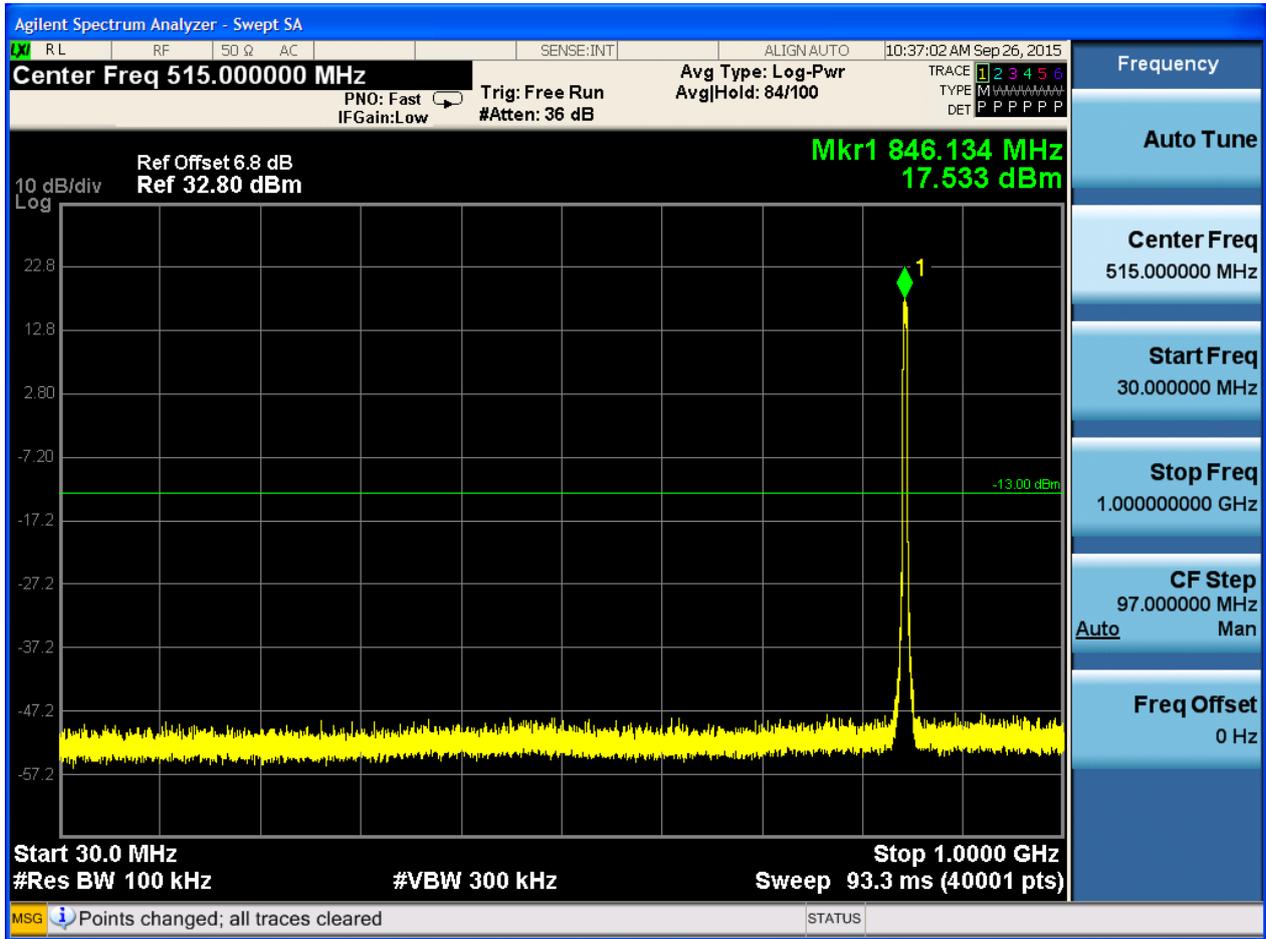


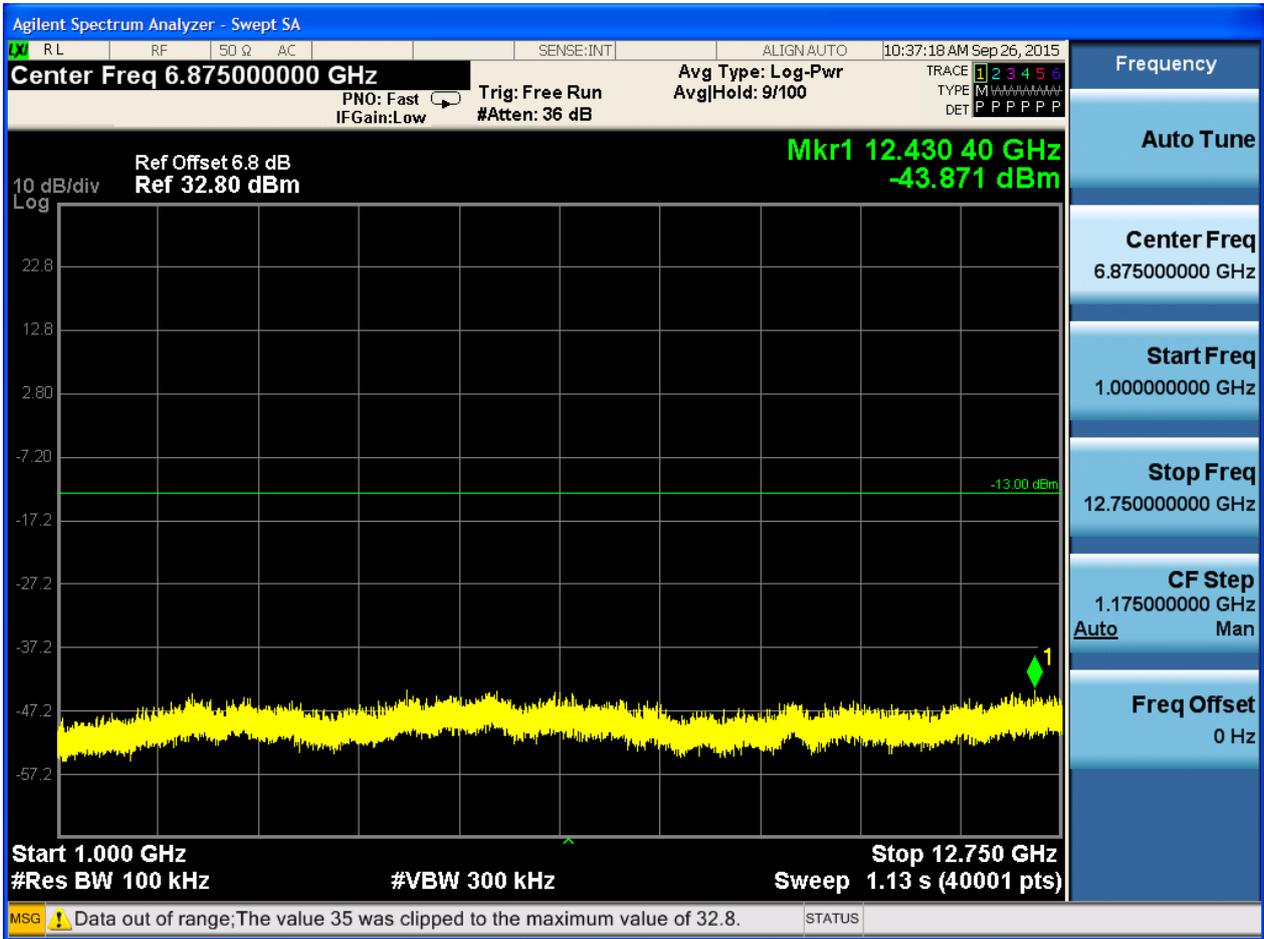


### 6.1.2.1.3 Test Channel = HCH









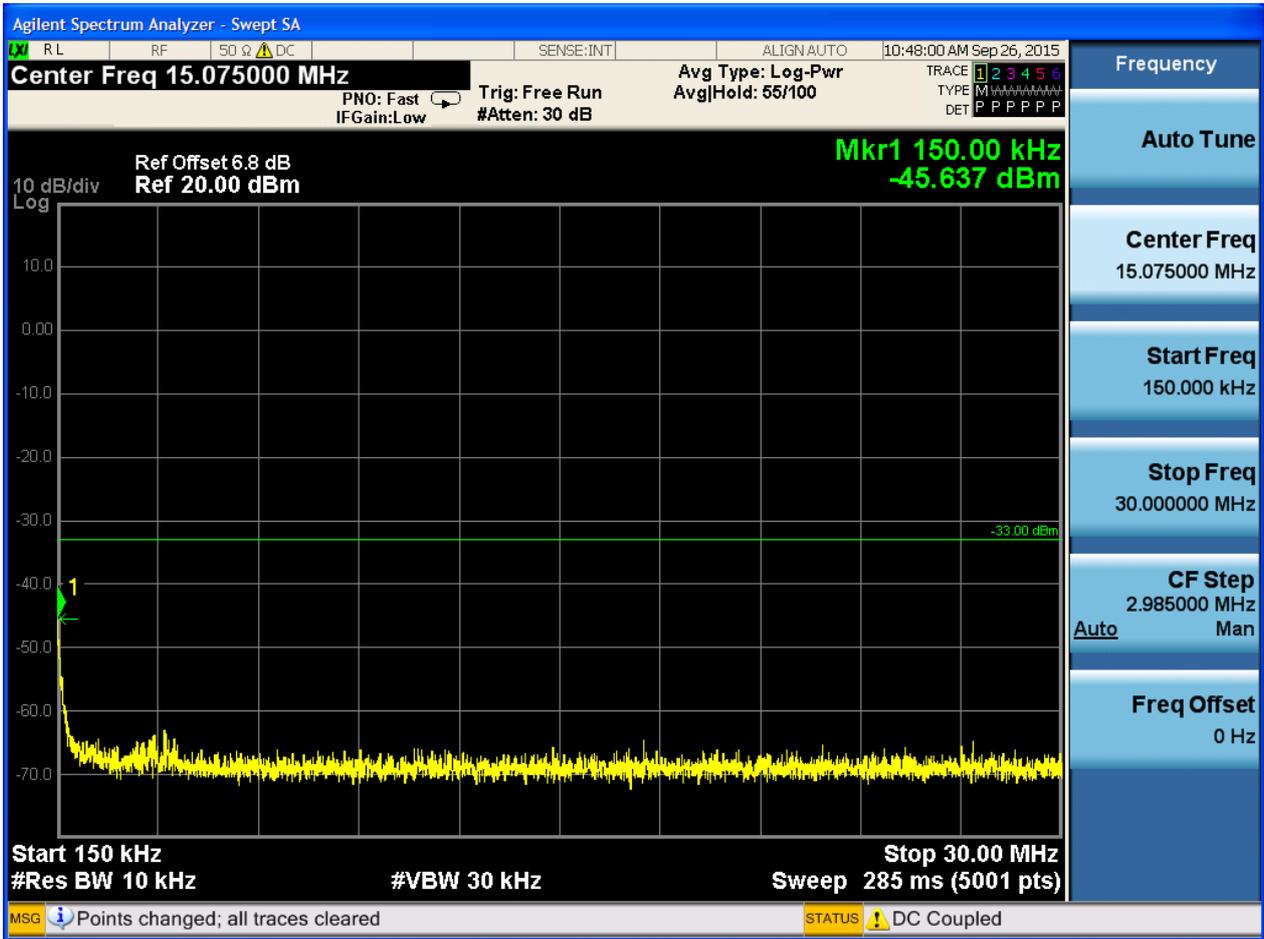


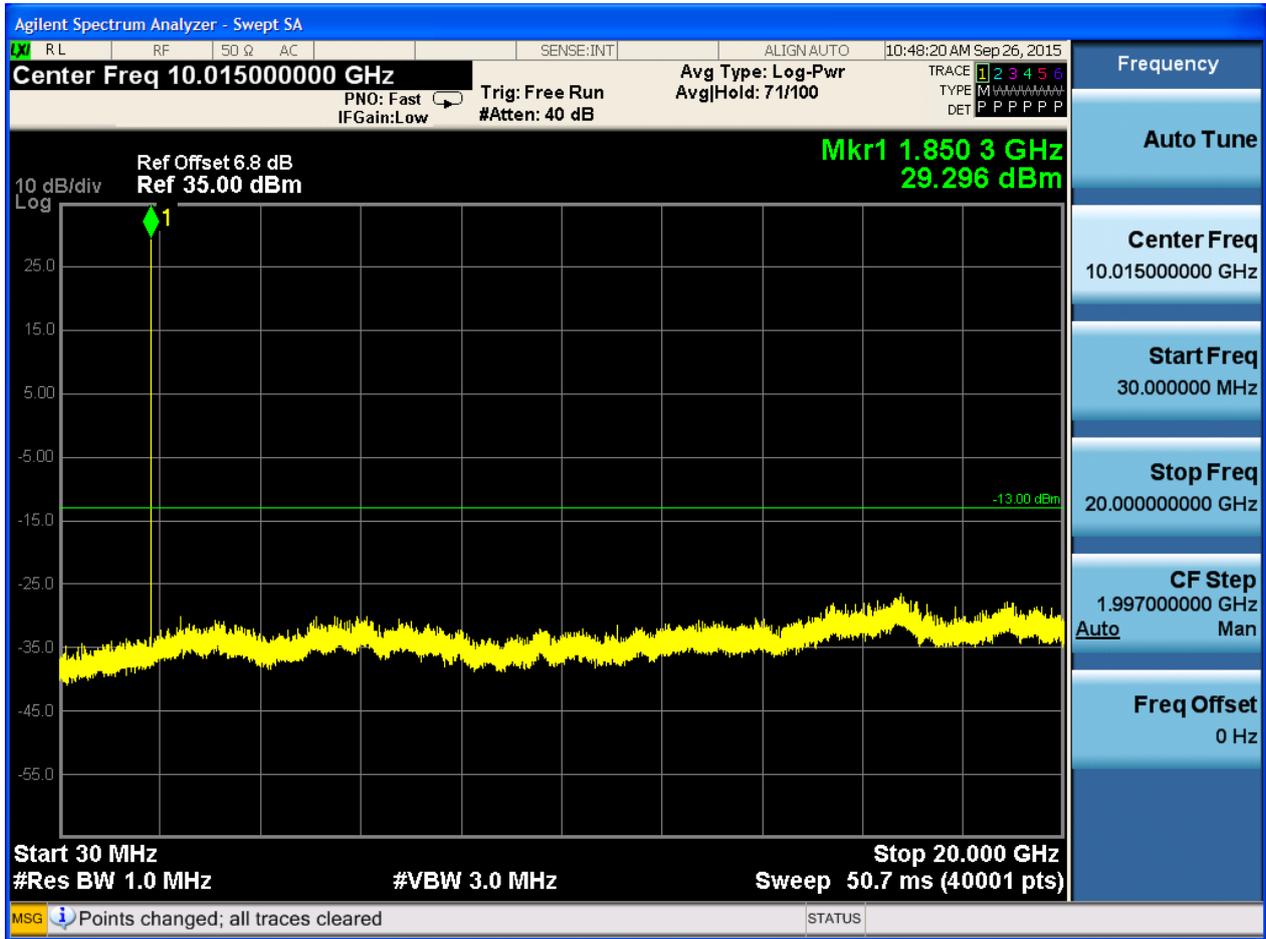
6.1.3 Test Band = GSM1900

6.1.3.1 Test Mode = GSM/TM1

6.1.3.1.1 Test Channel = LCH

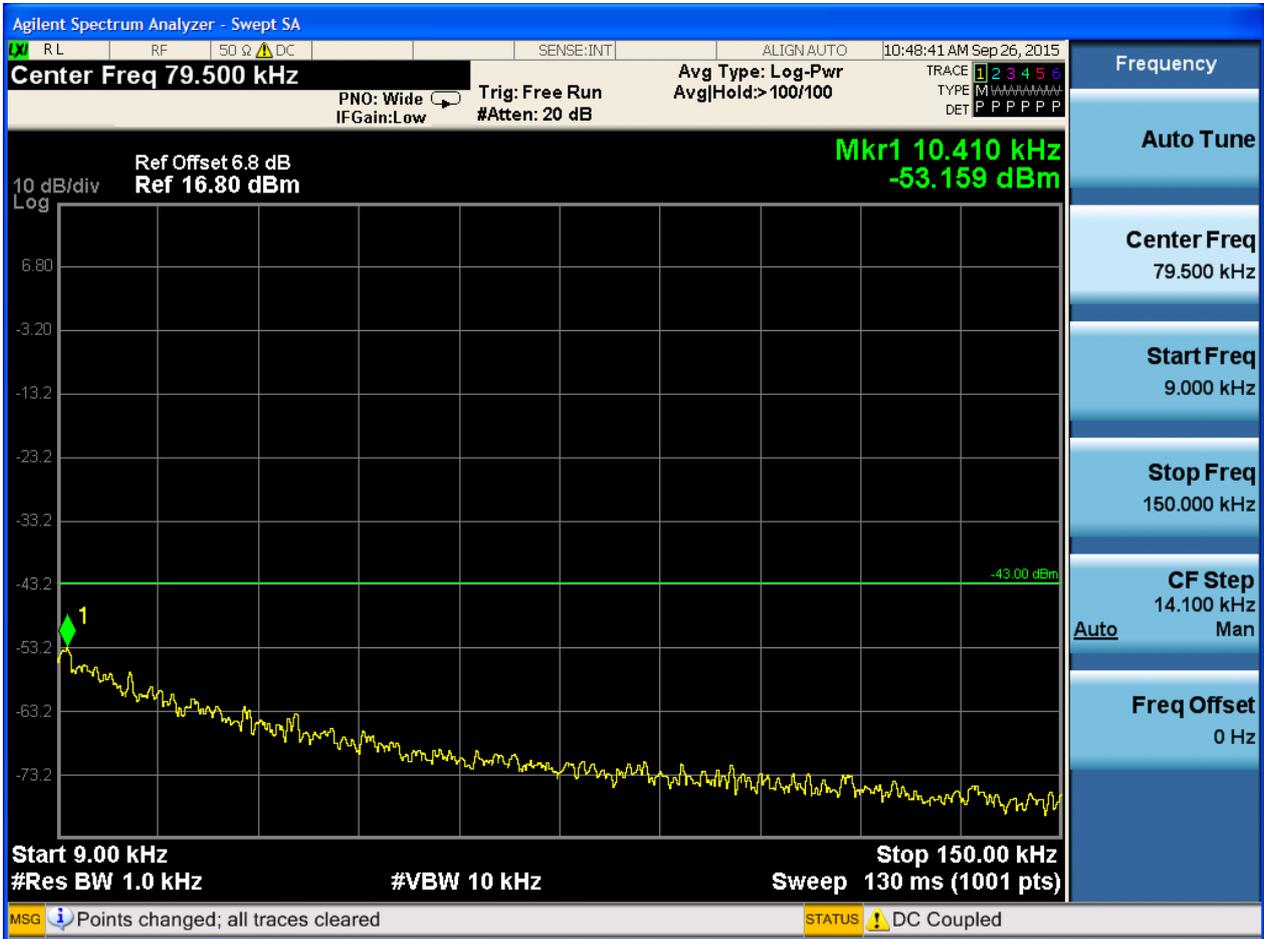


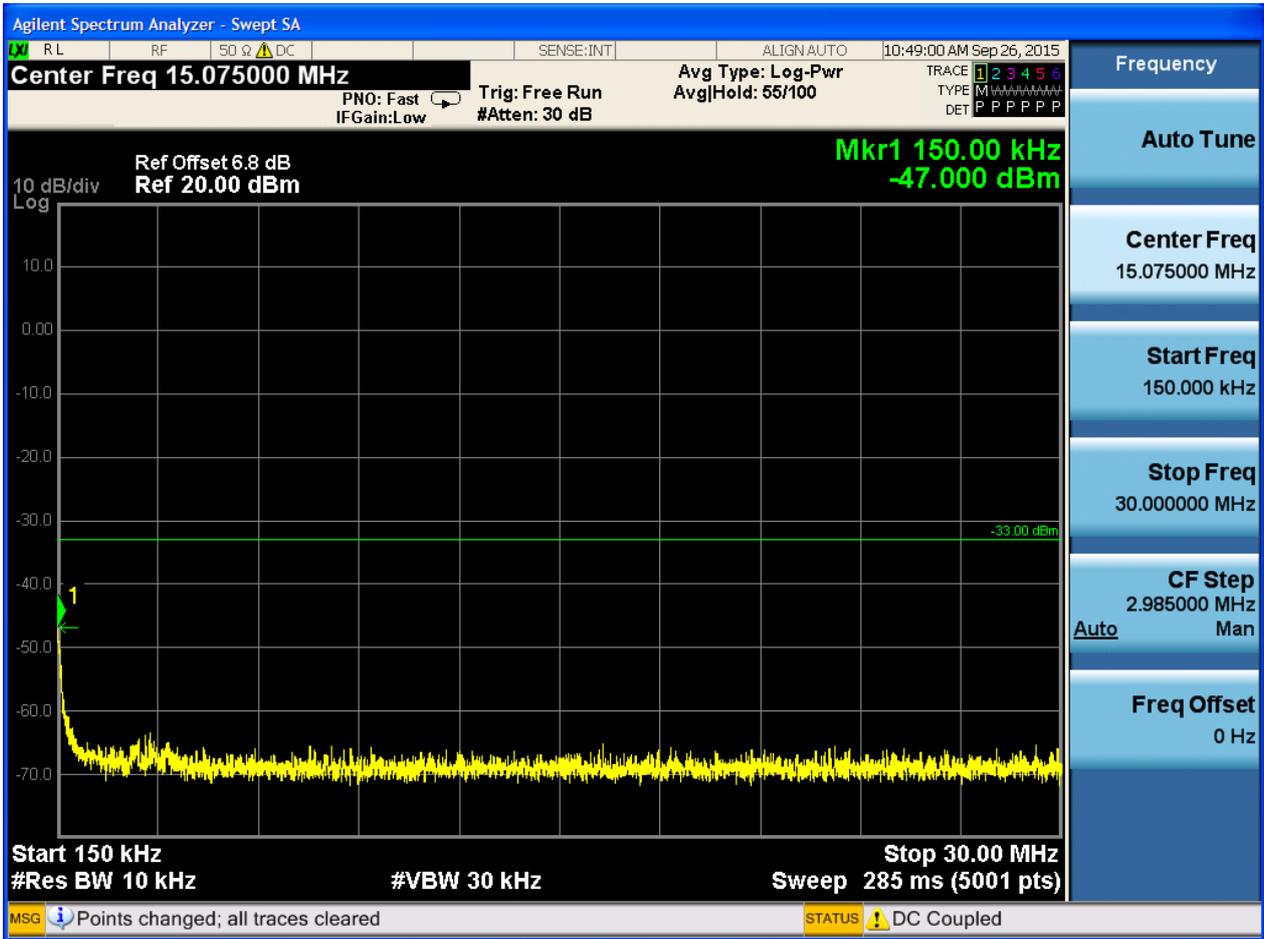


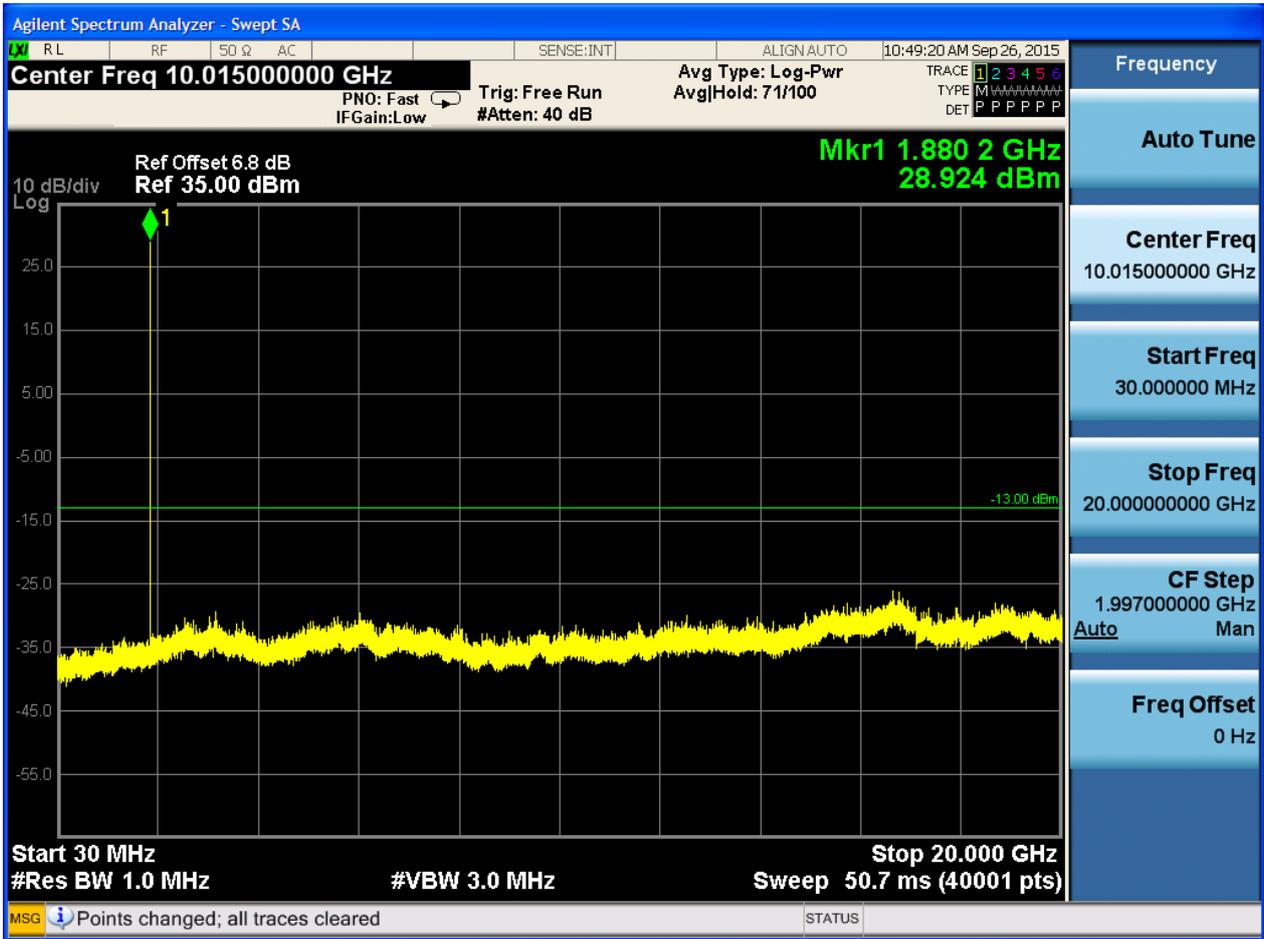




### 6.1.3.1.2 Test Channel = MCH





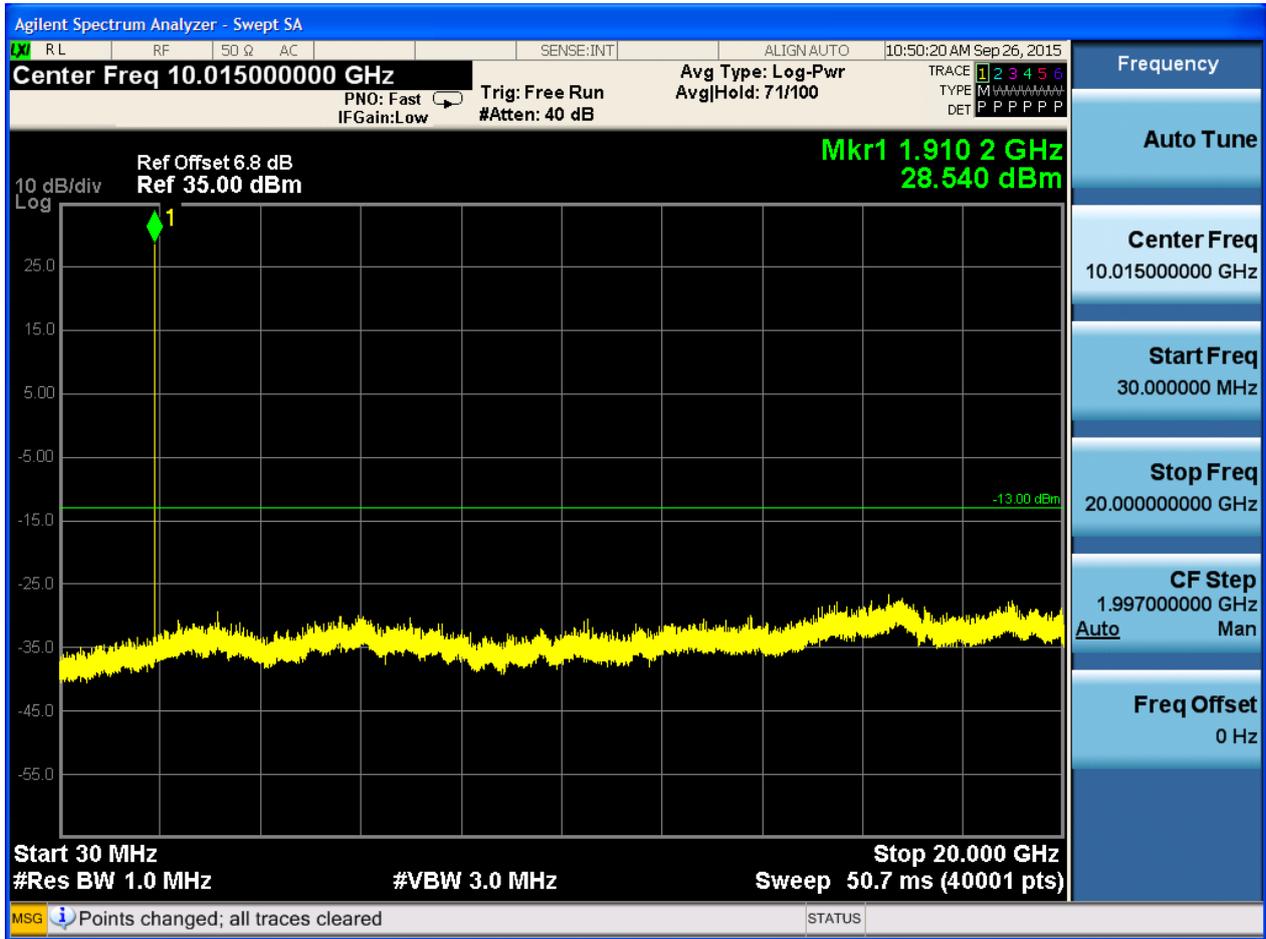




6.1.3.1.3 Test Channel = HCH



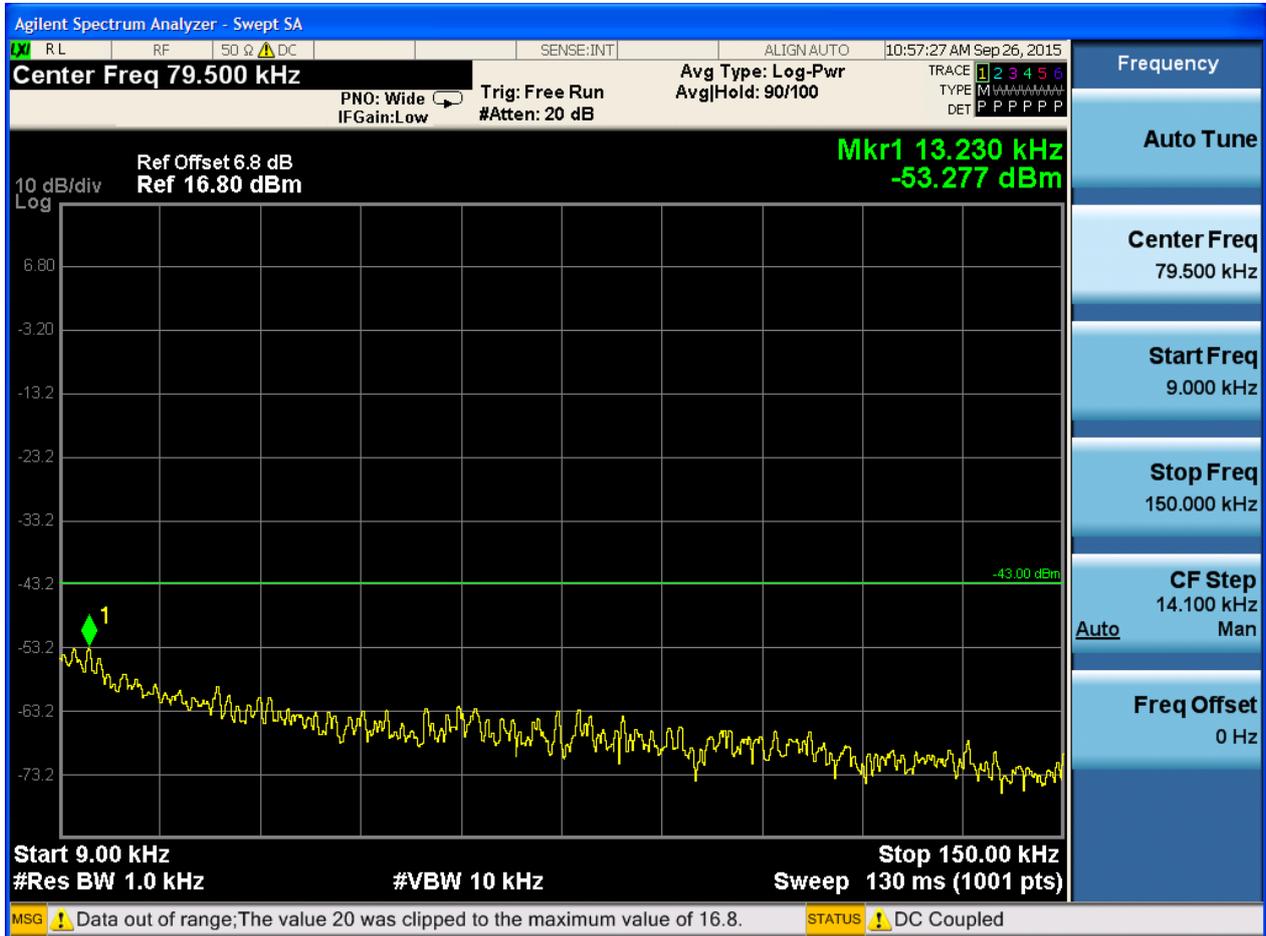


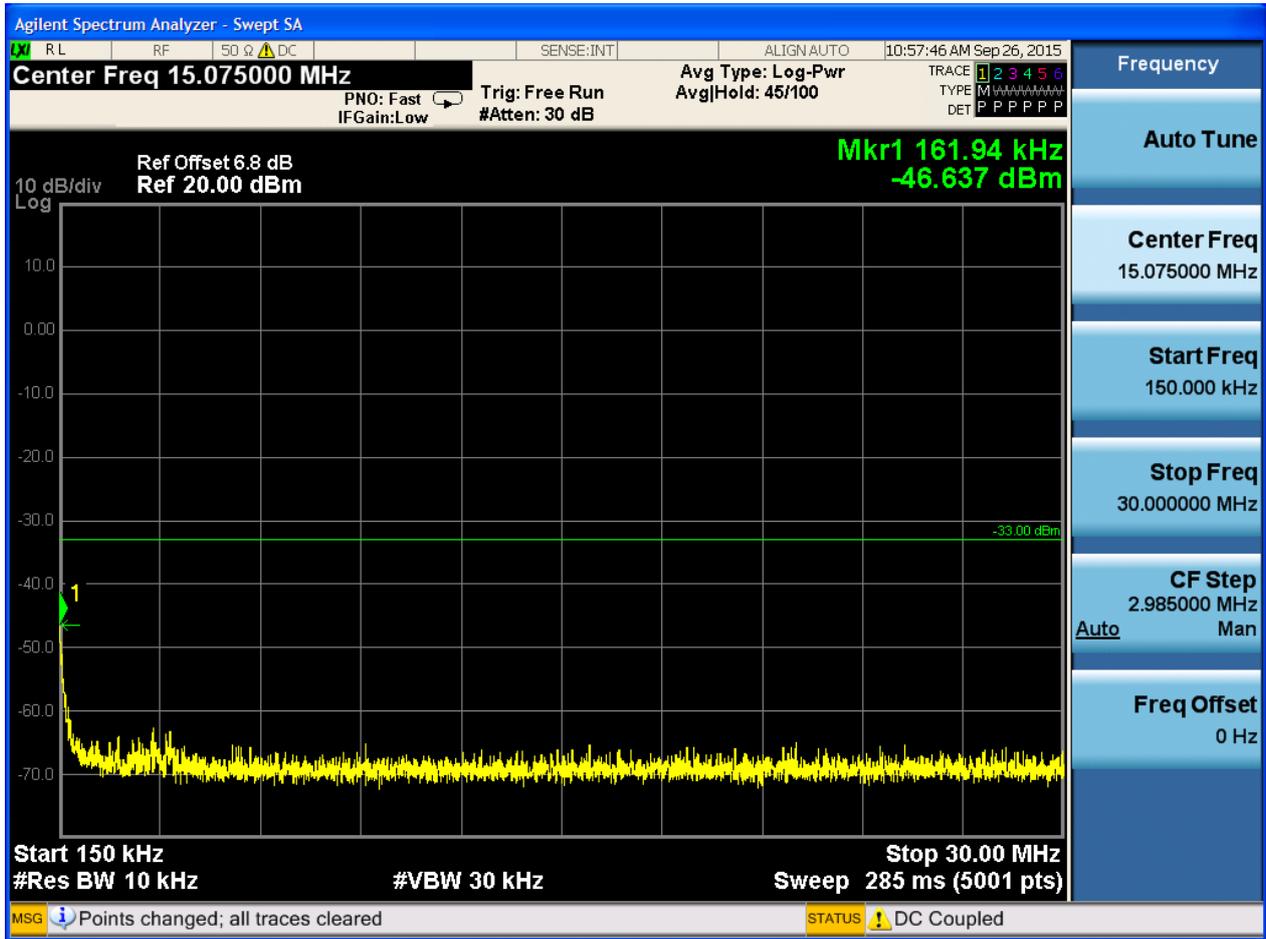


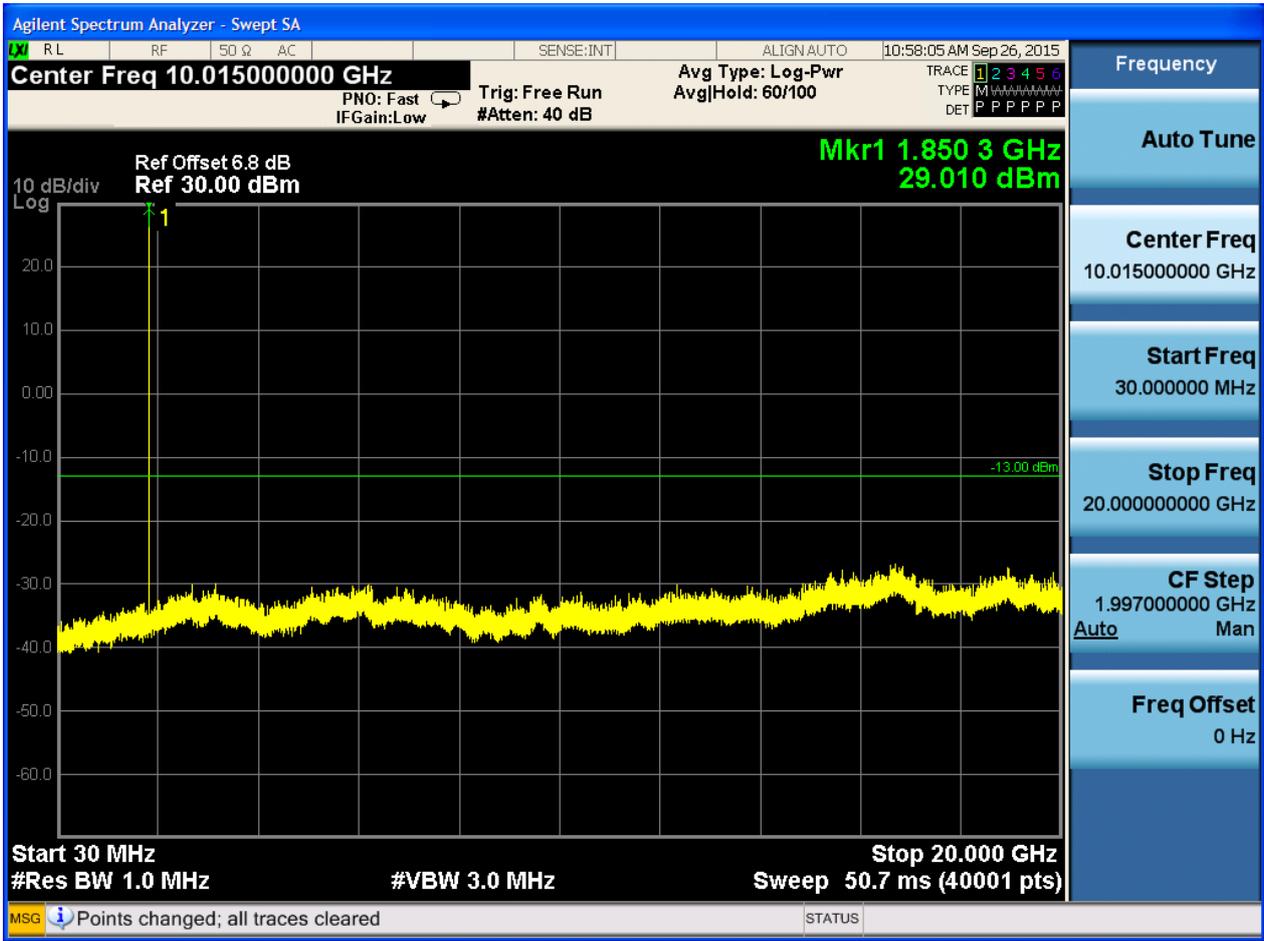


### 6.1.3.2 Test Mode = GSM/TM2

#### 6.1.3.2.1 Test Channel = LCH

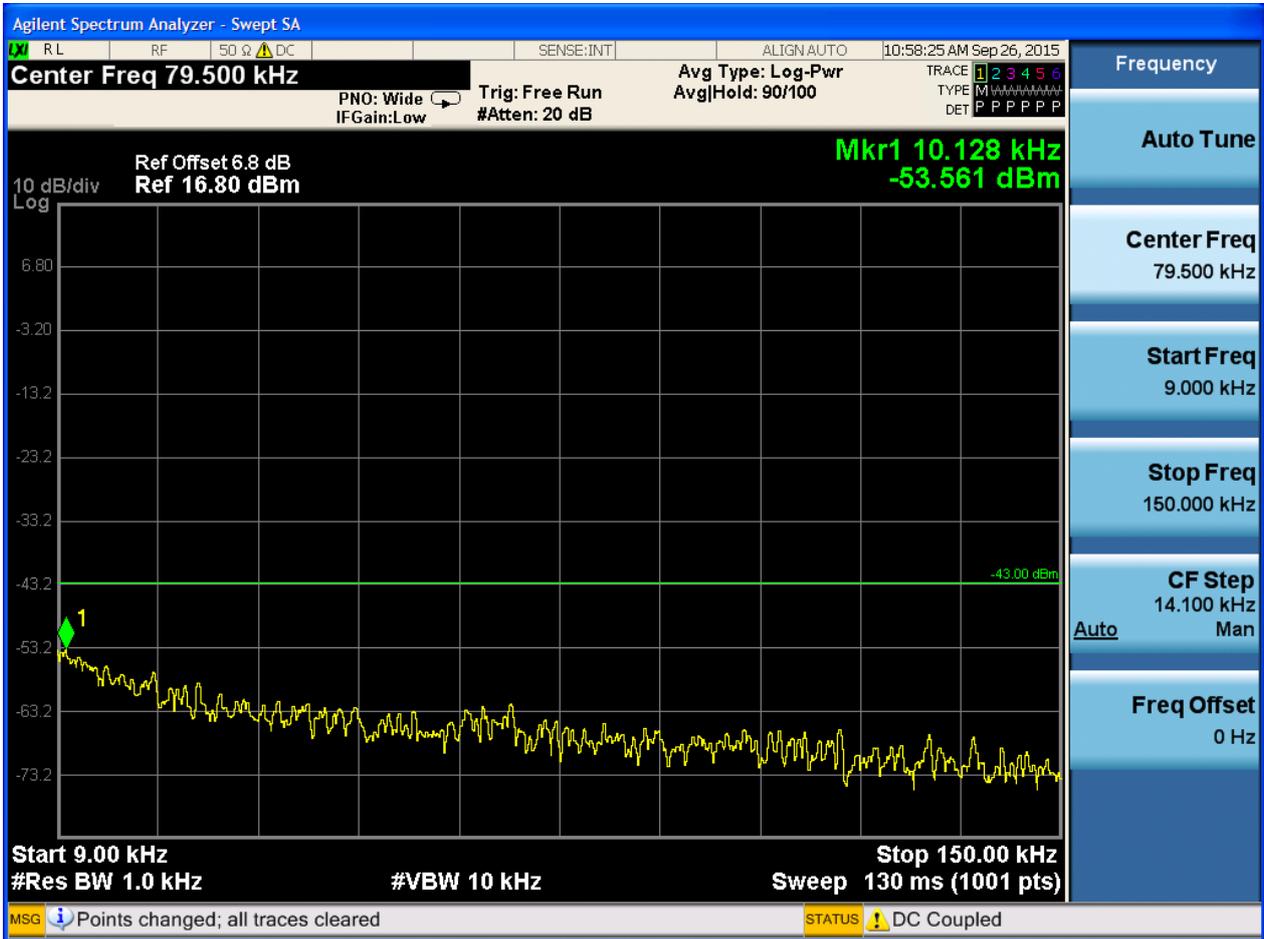


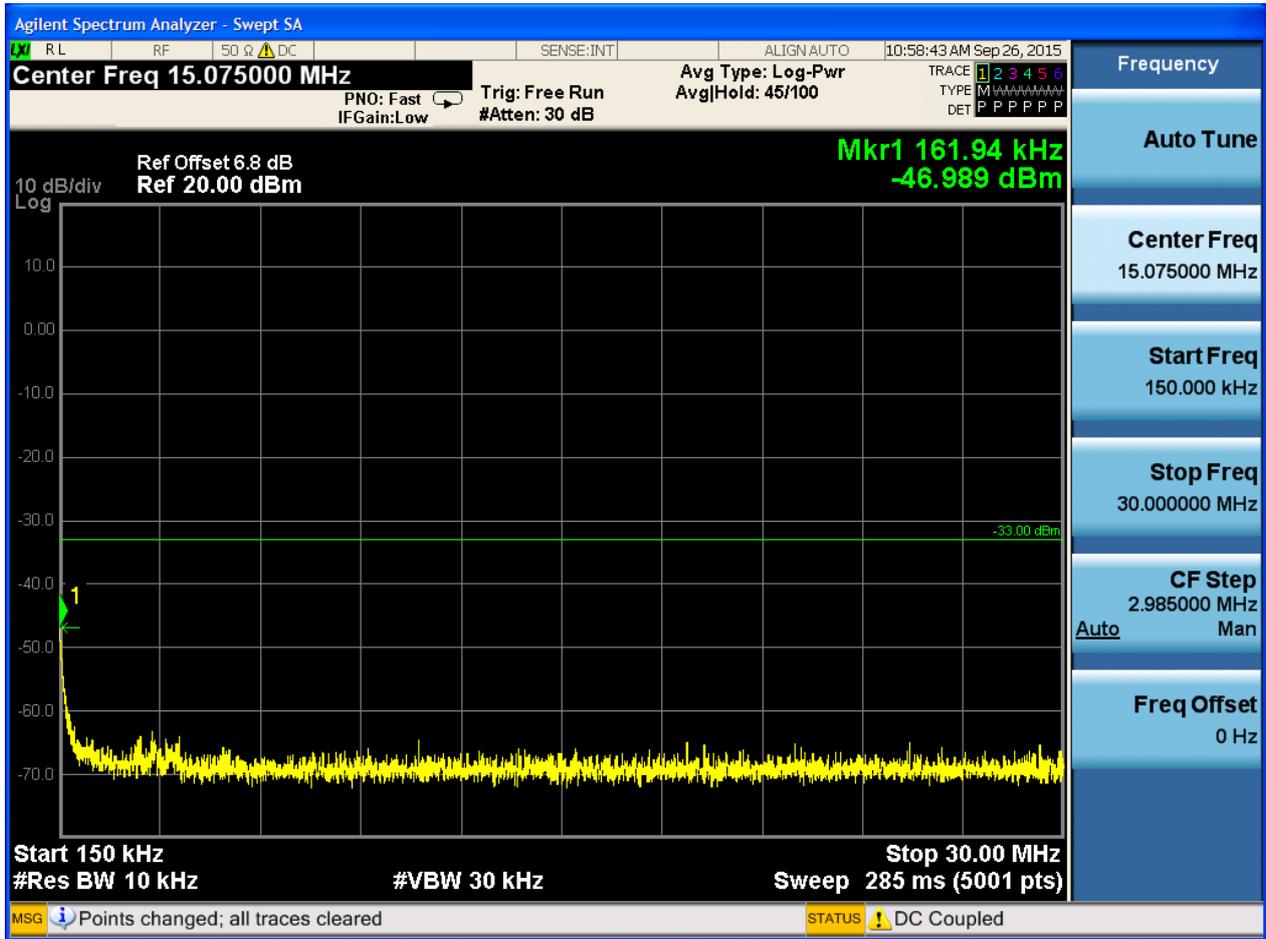


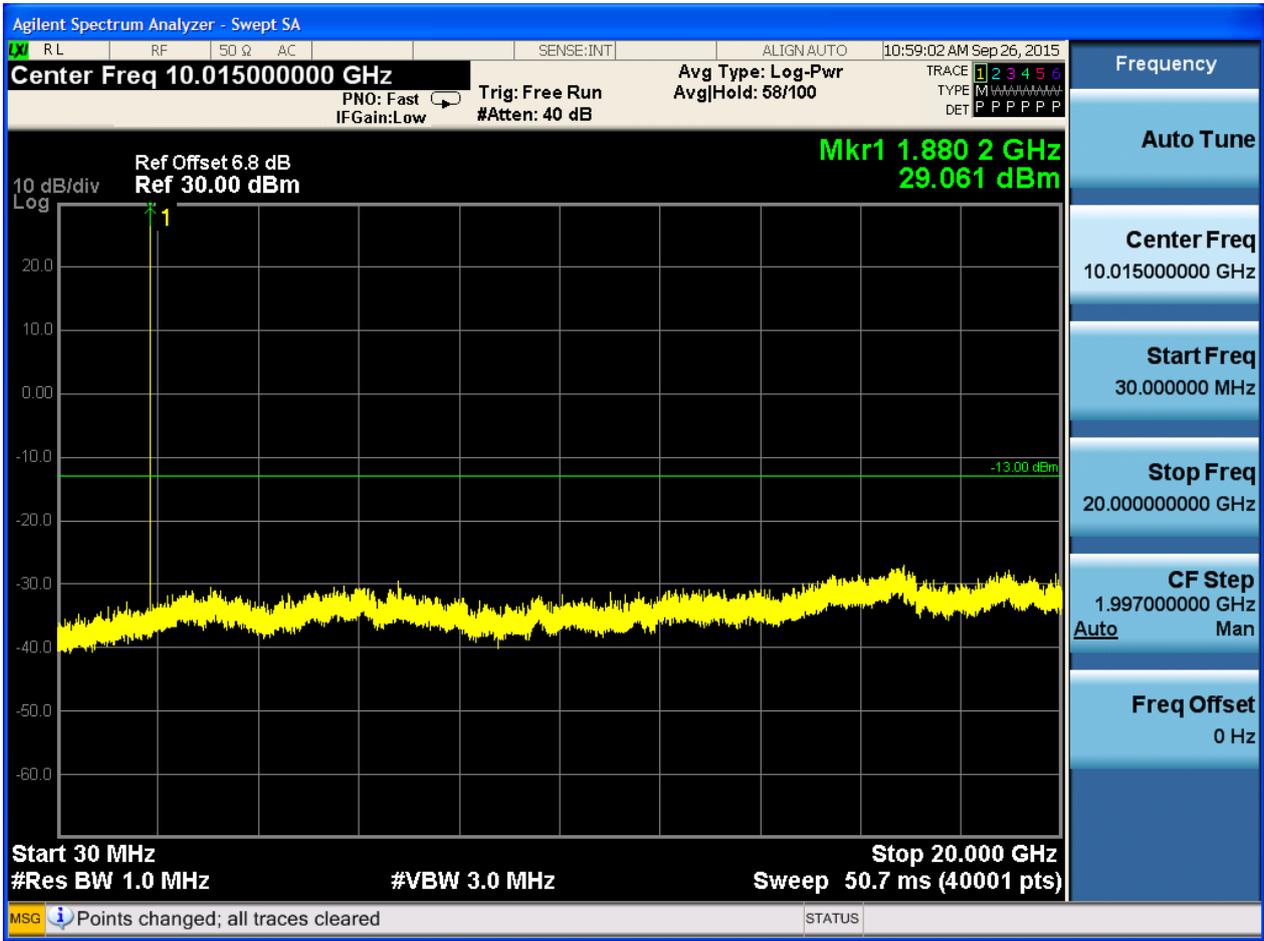




### 6.1.3.2.2 Test Channel = MCH

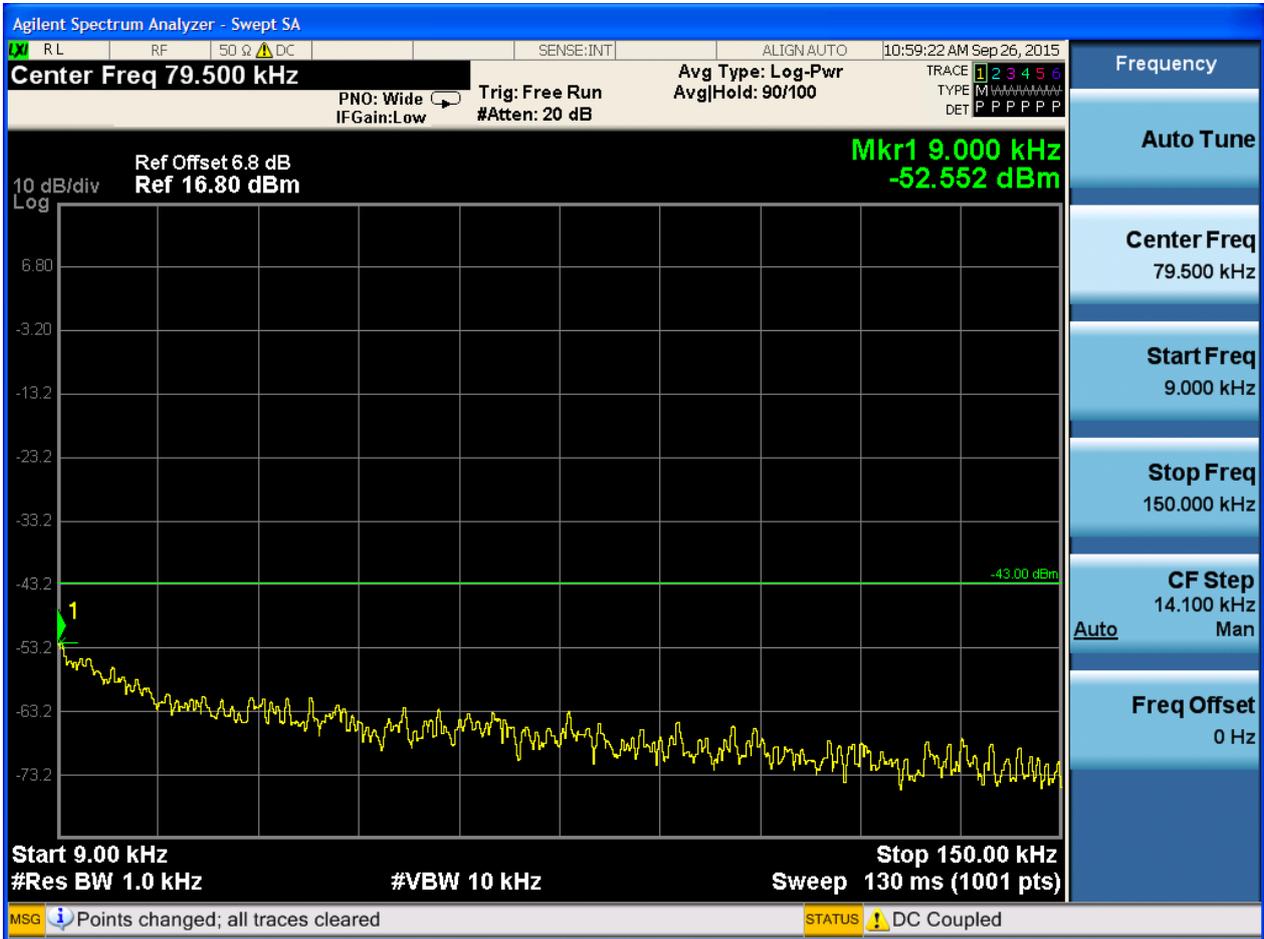


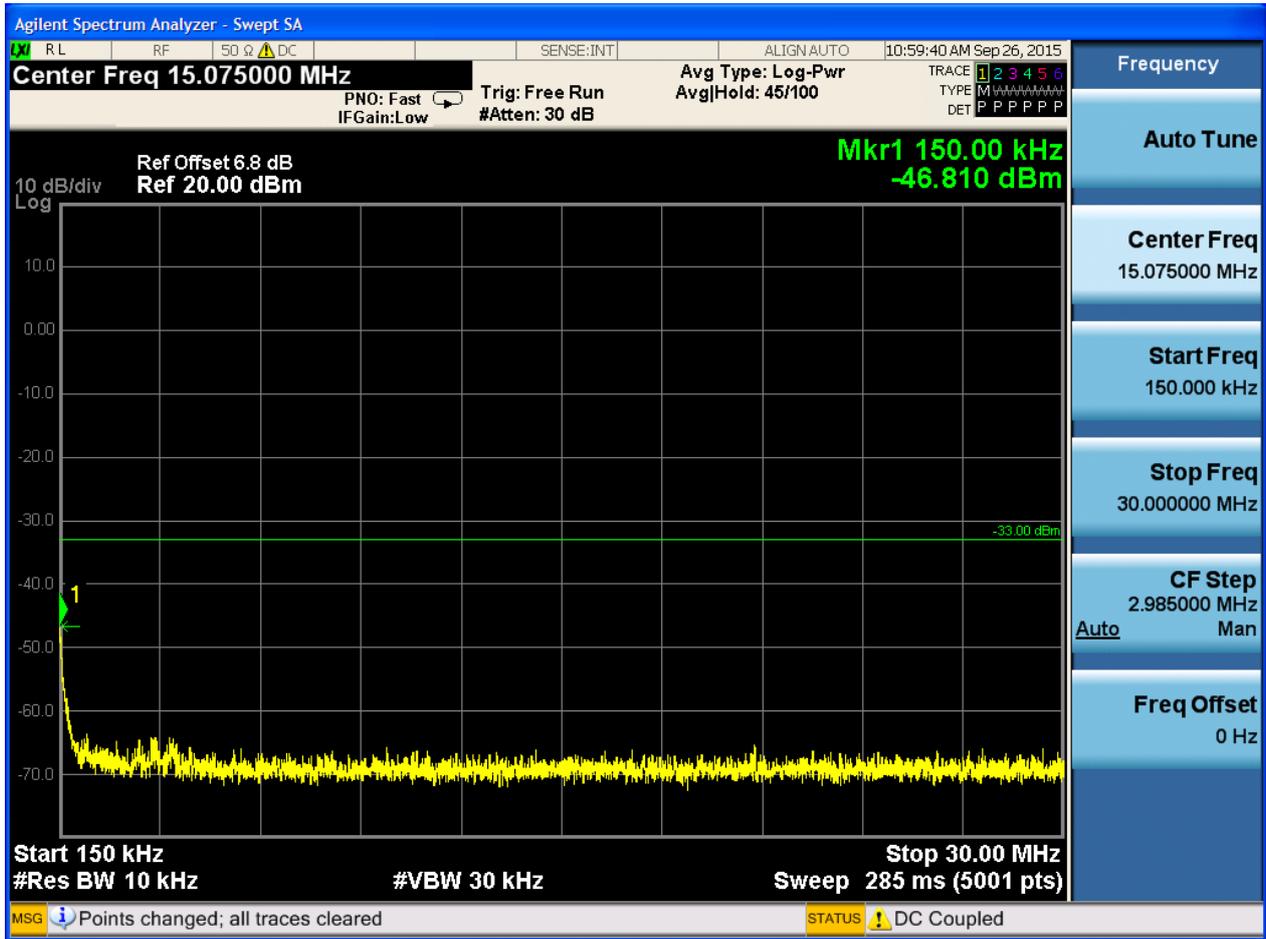


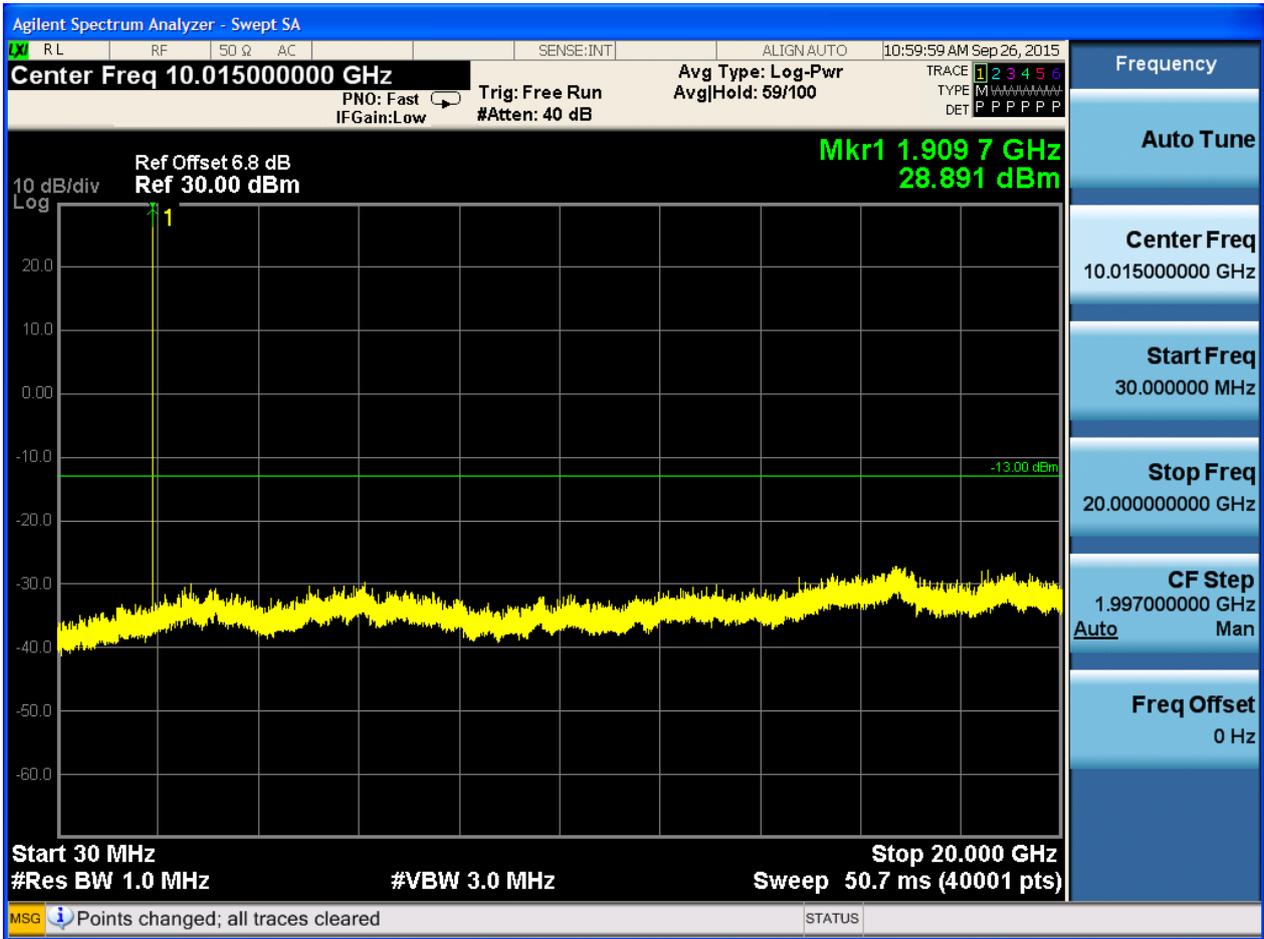




6.1.3.2.3 Test Channel = HCH





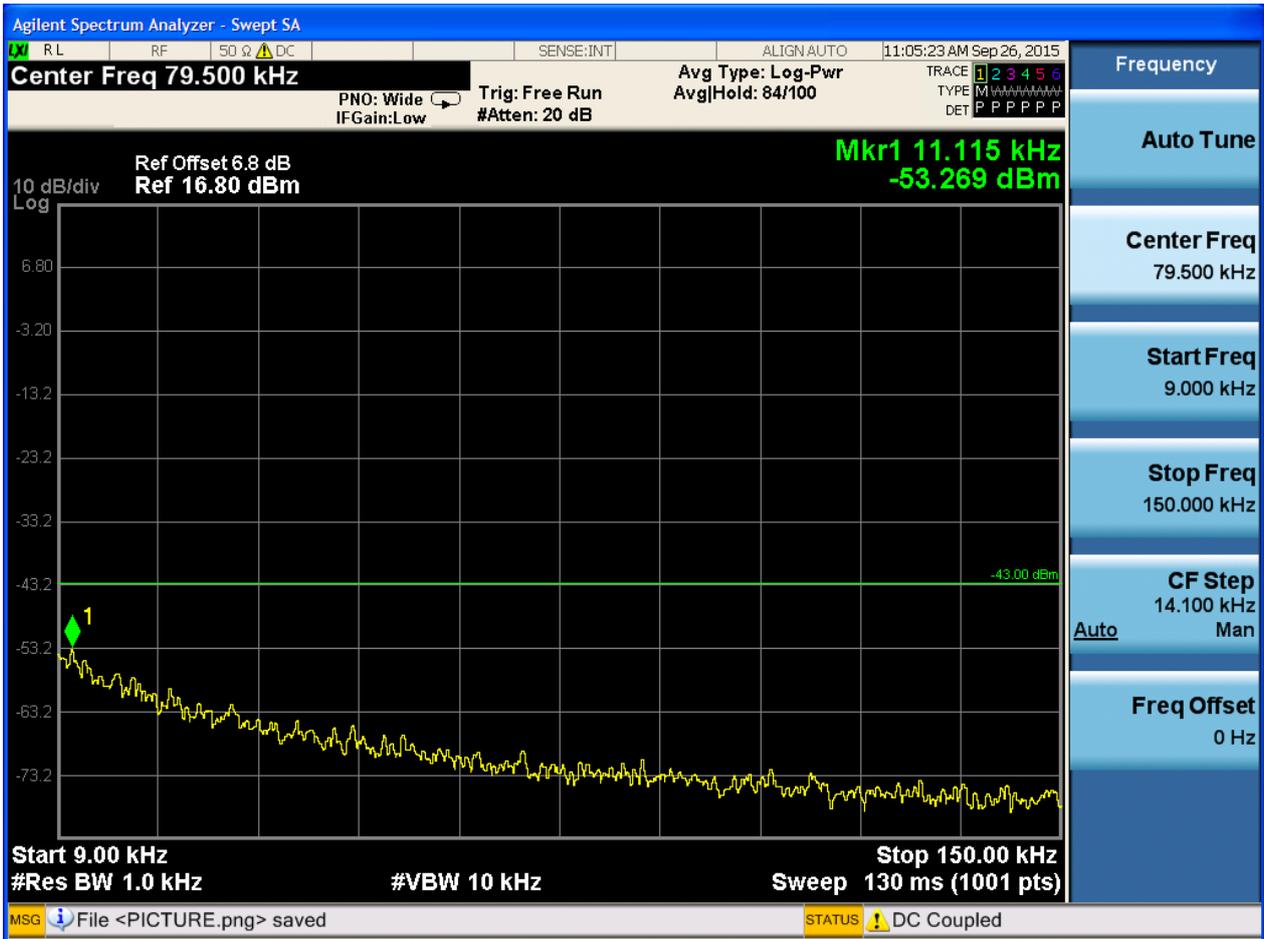


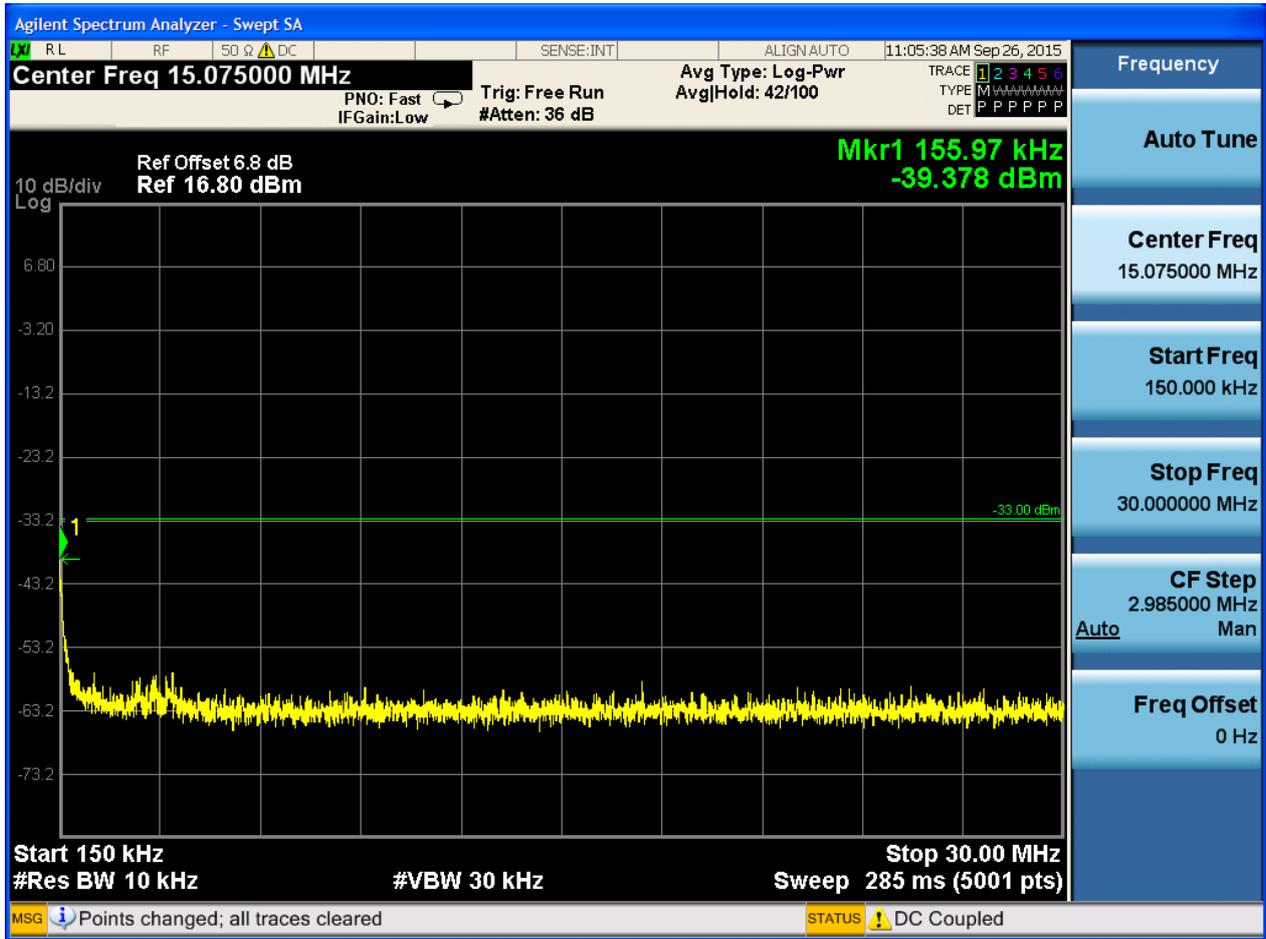


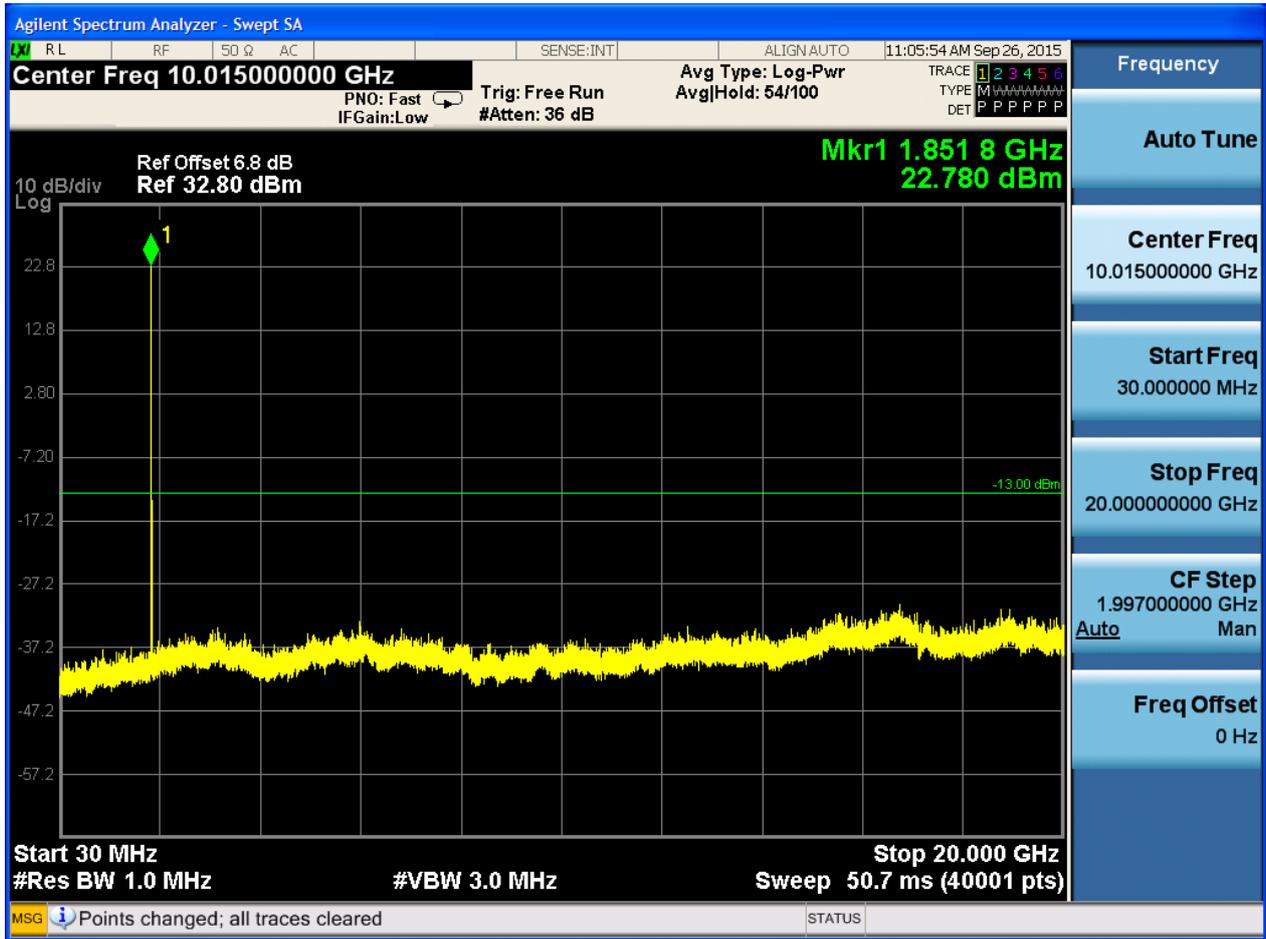
6.1.4 Test Band = WCDMA1900

6.1.4.1 Test Mode = UMTS/TM1

6.1.4.1.1 Test Channel = LCH

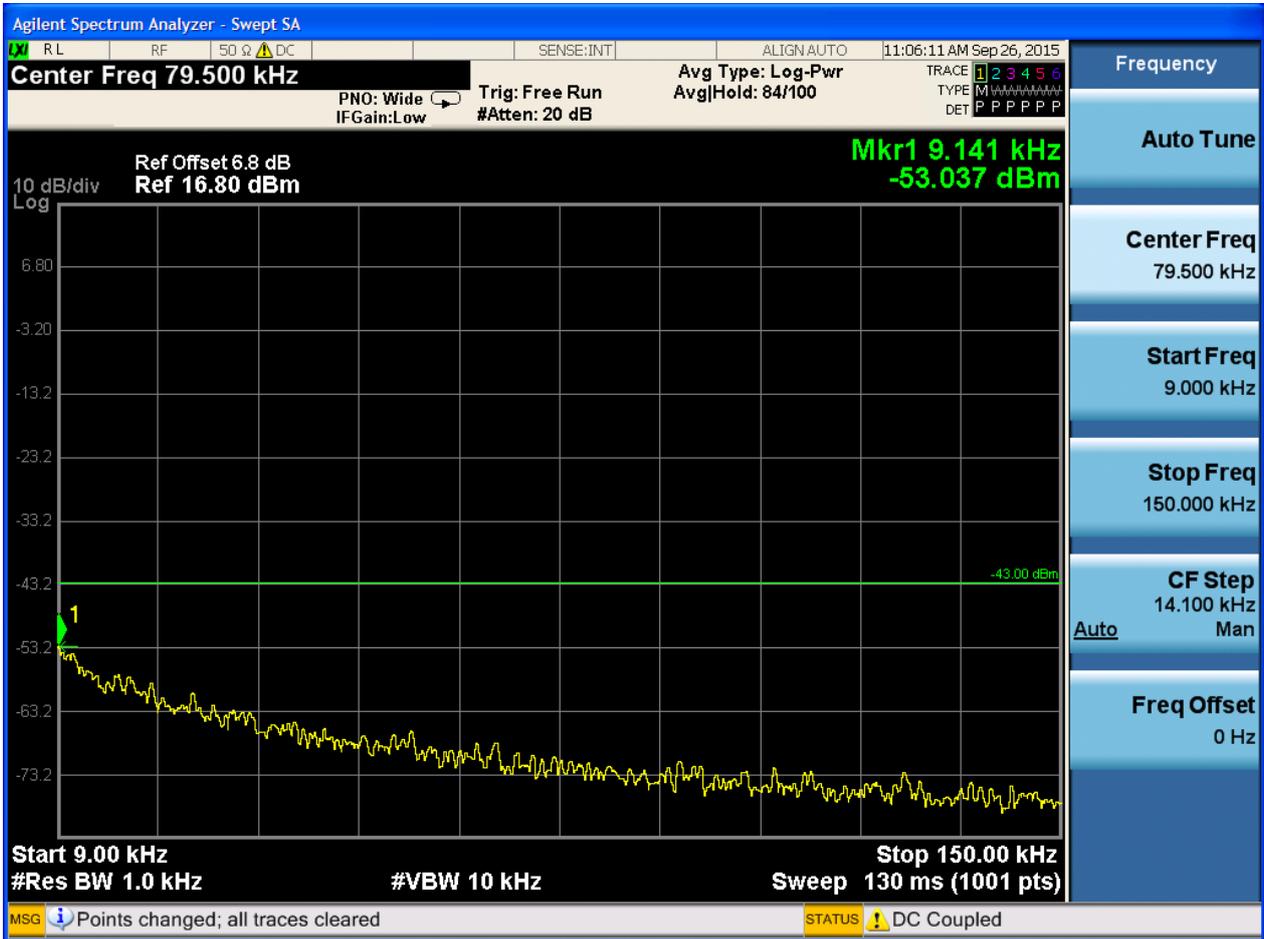


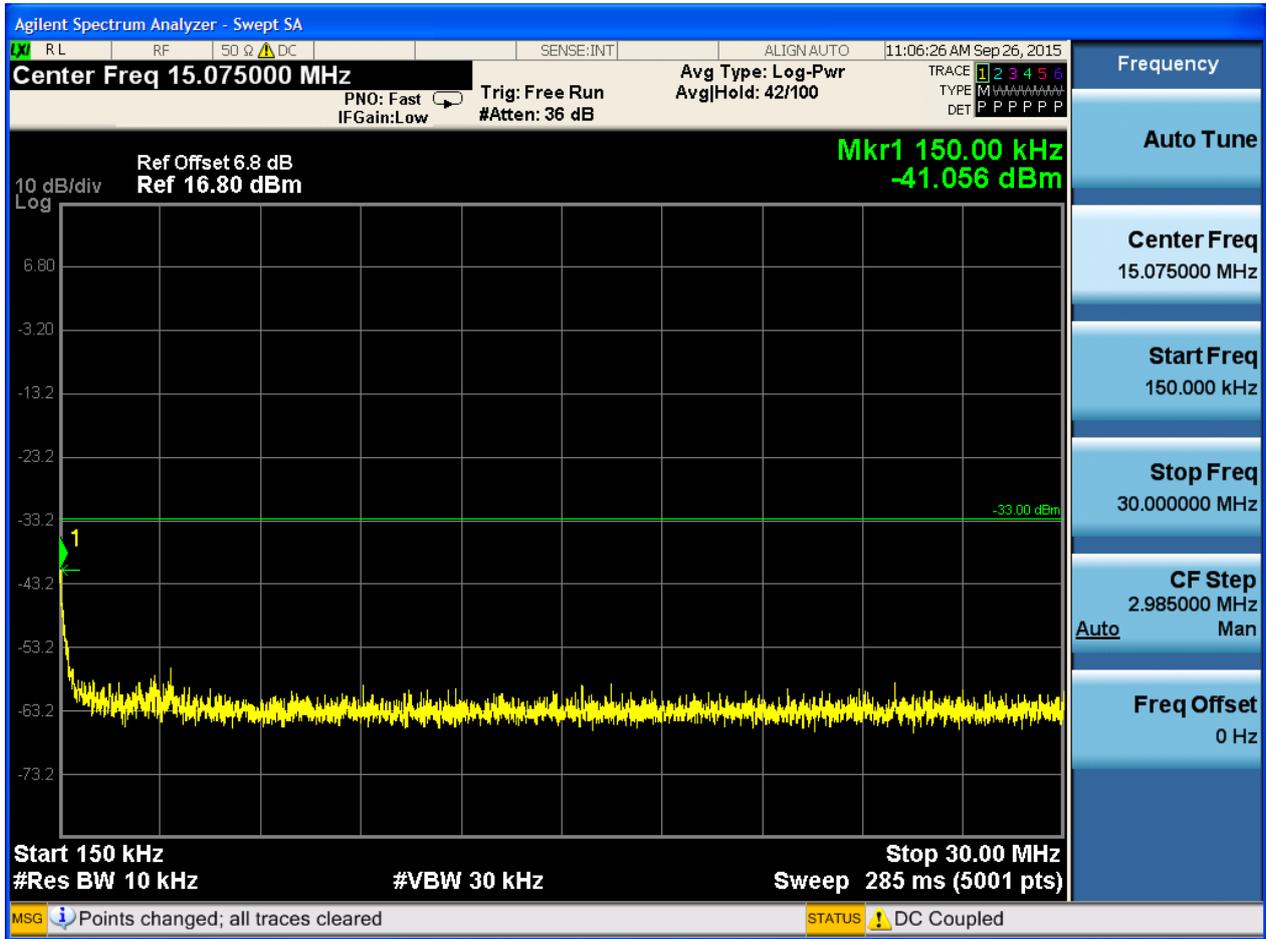


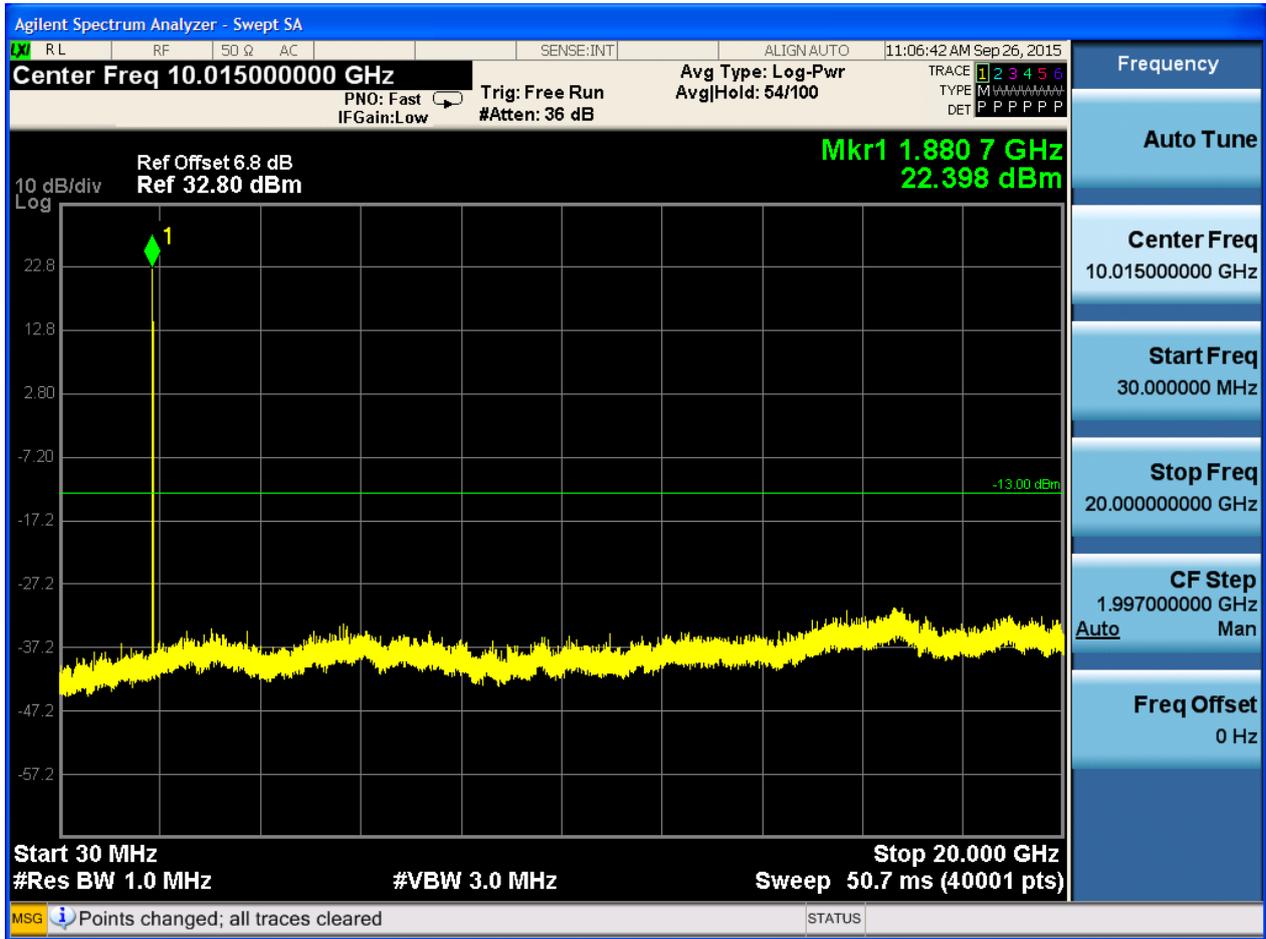




6.1.4.1.2 Test Channel = MCH

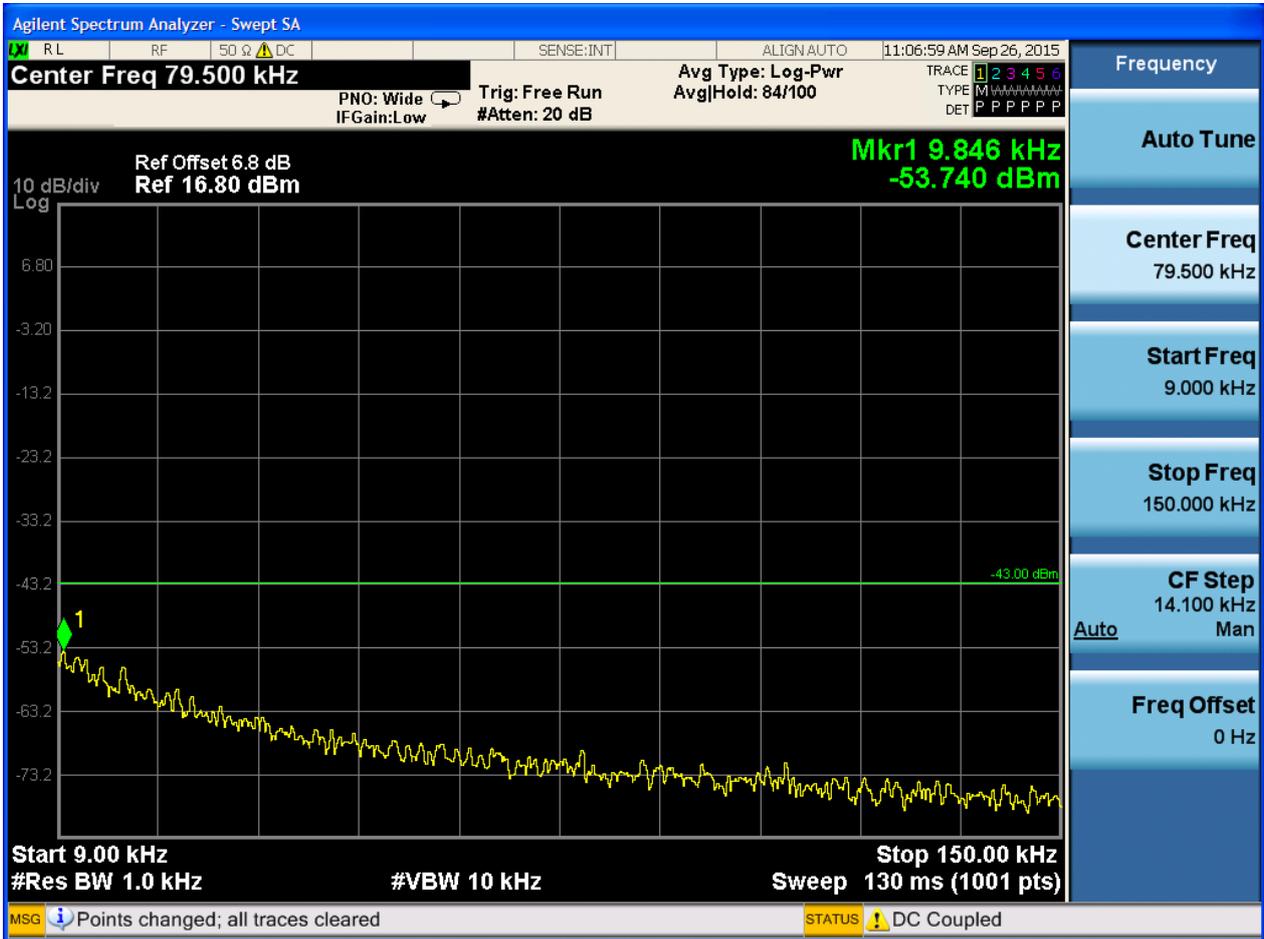


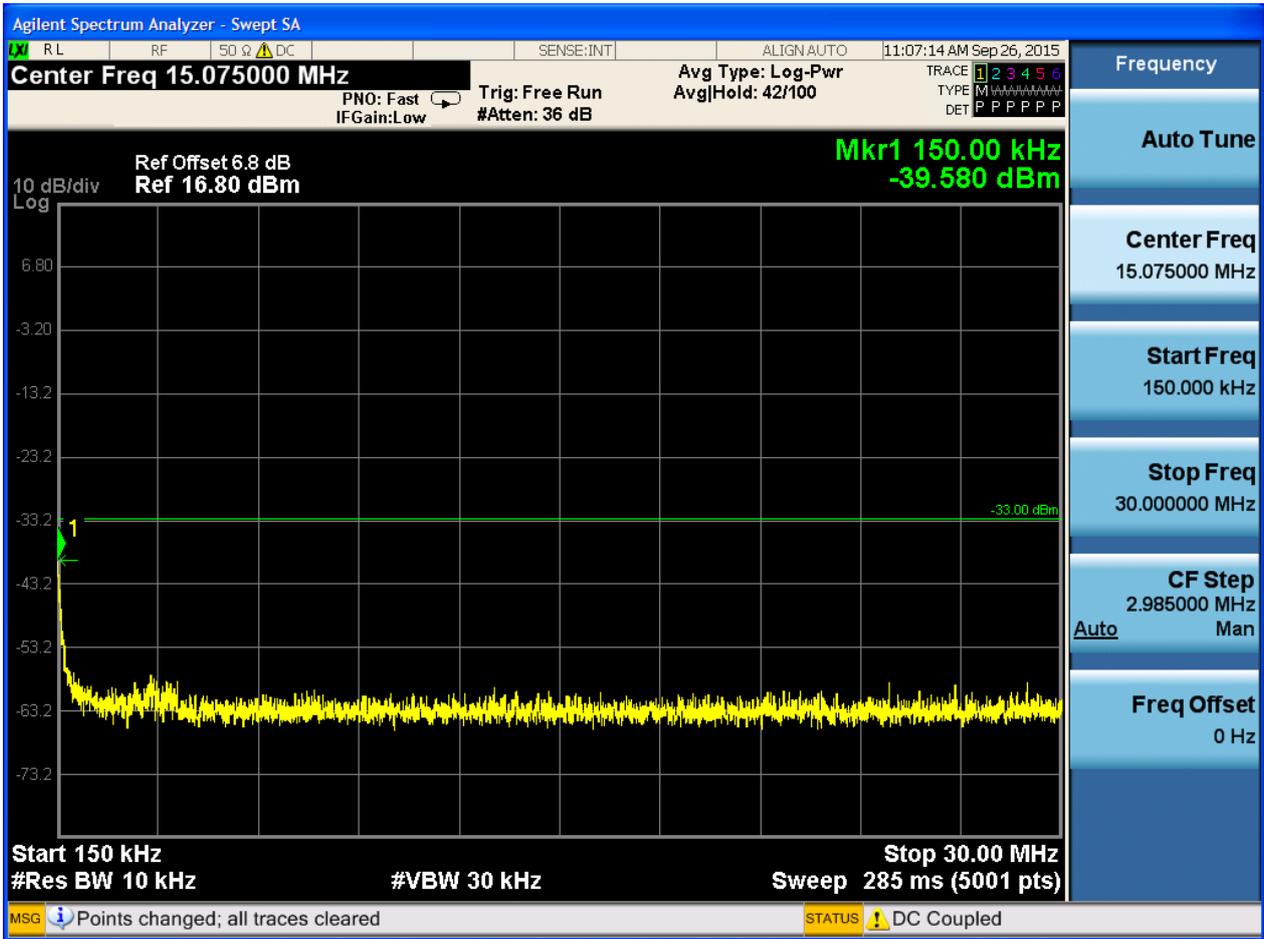


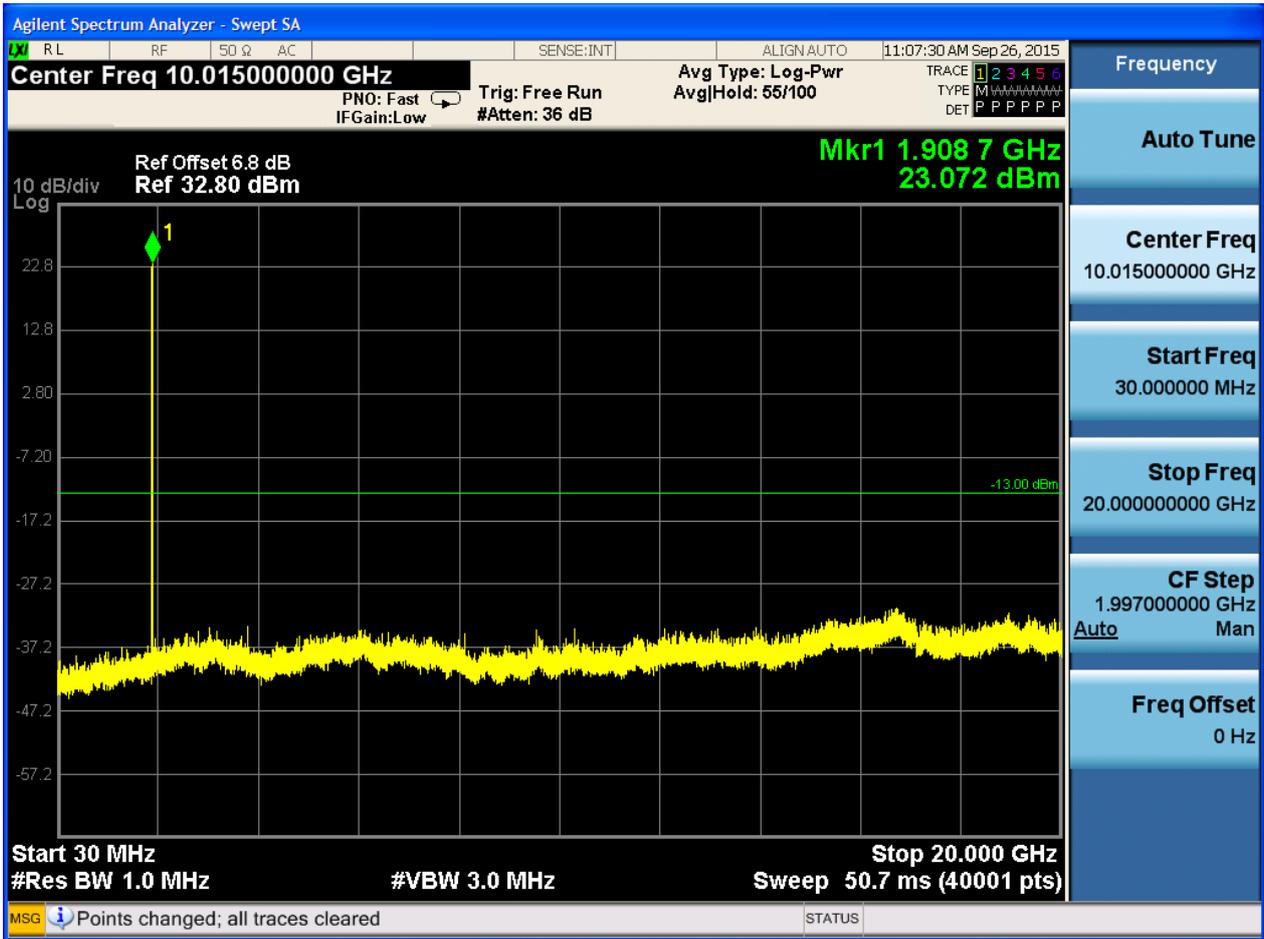




### 6.1.4.1.3 Test Channel = HCH







## 7Appendix\_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

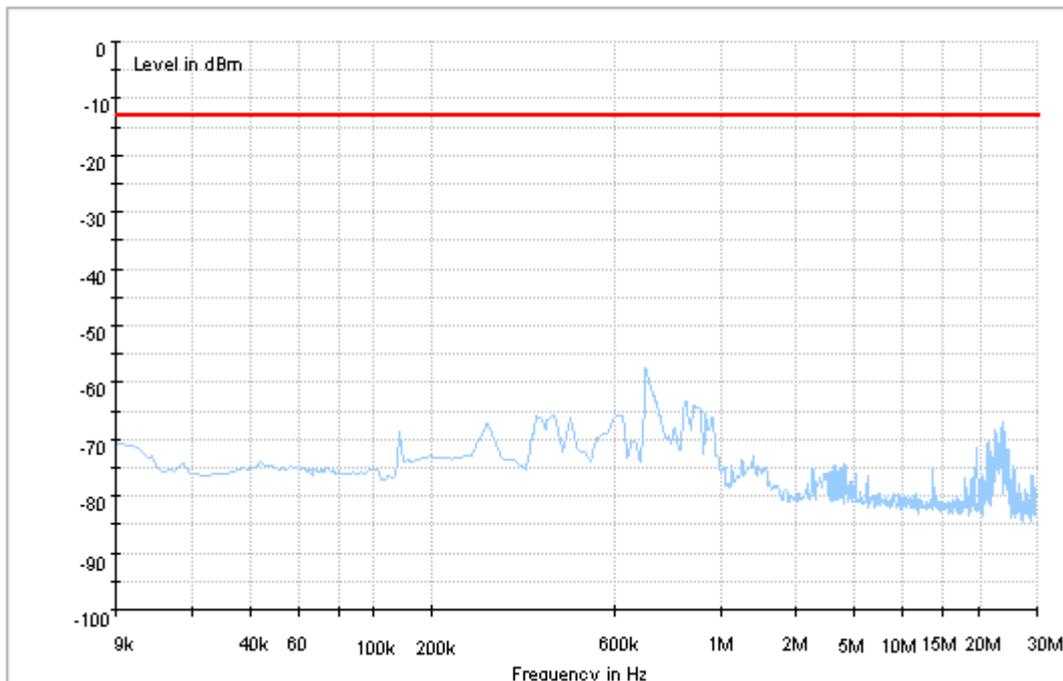
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

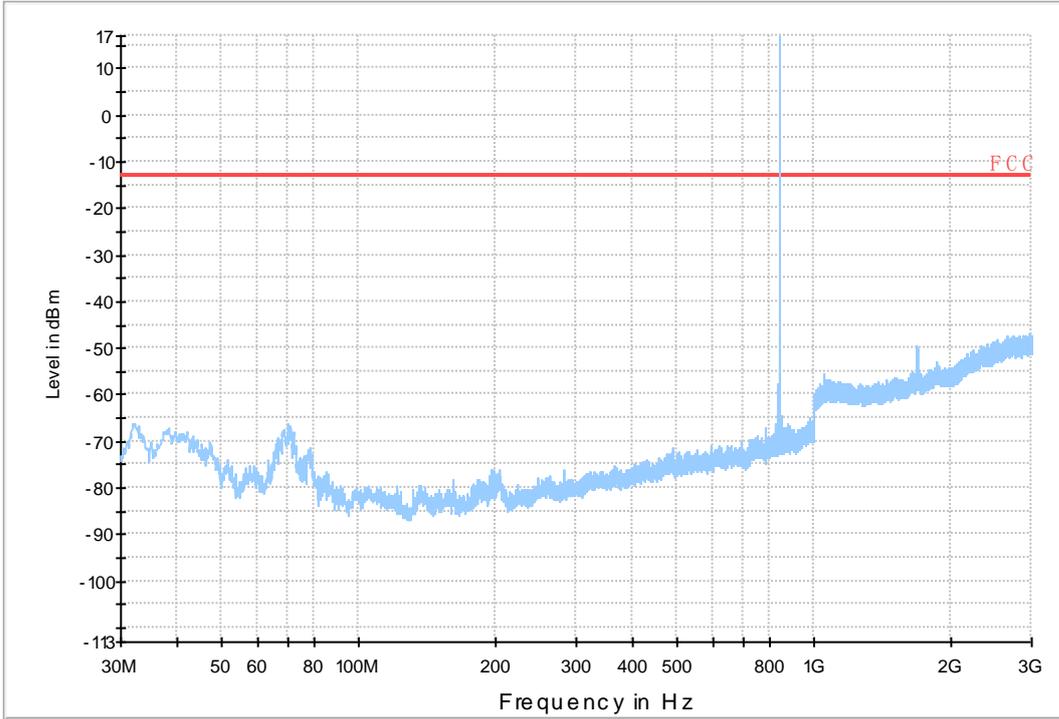
#### 7.1 For GSM

##### 7.1.1 Test Band = GSM850

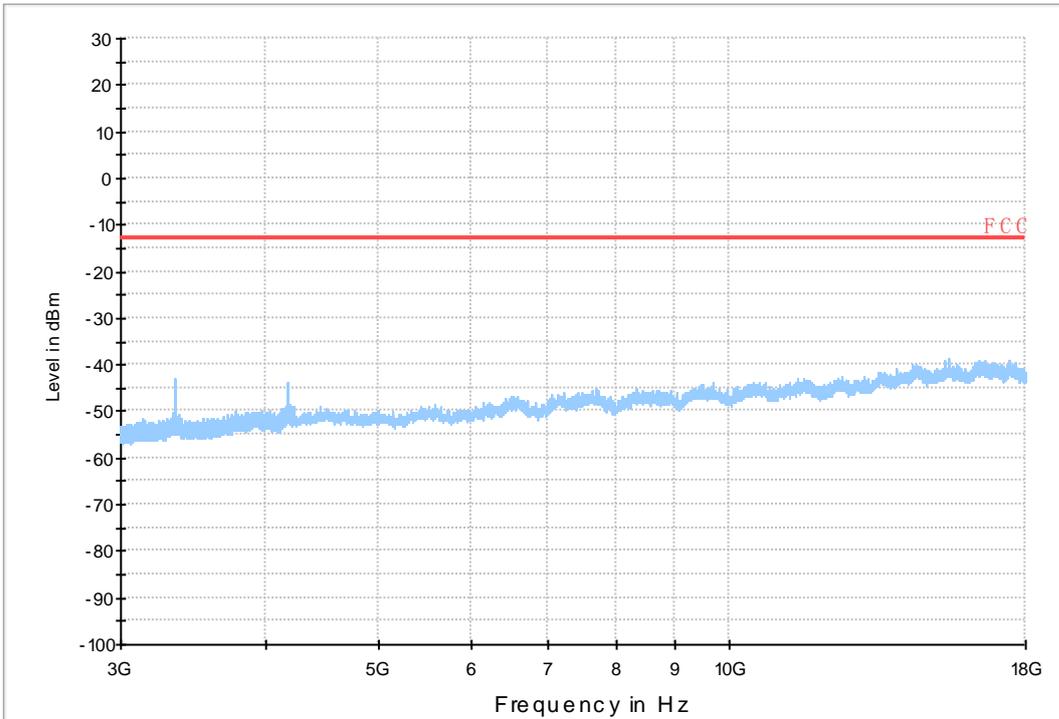
##### 7.1.1.1 Test Mode = GSM/TM1



Copy of FCC PART22 GSM850\_L

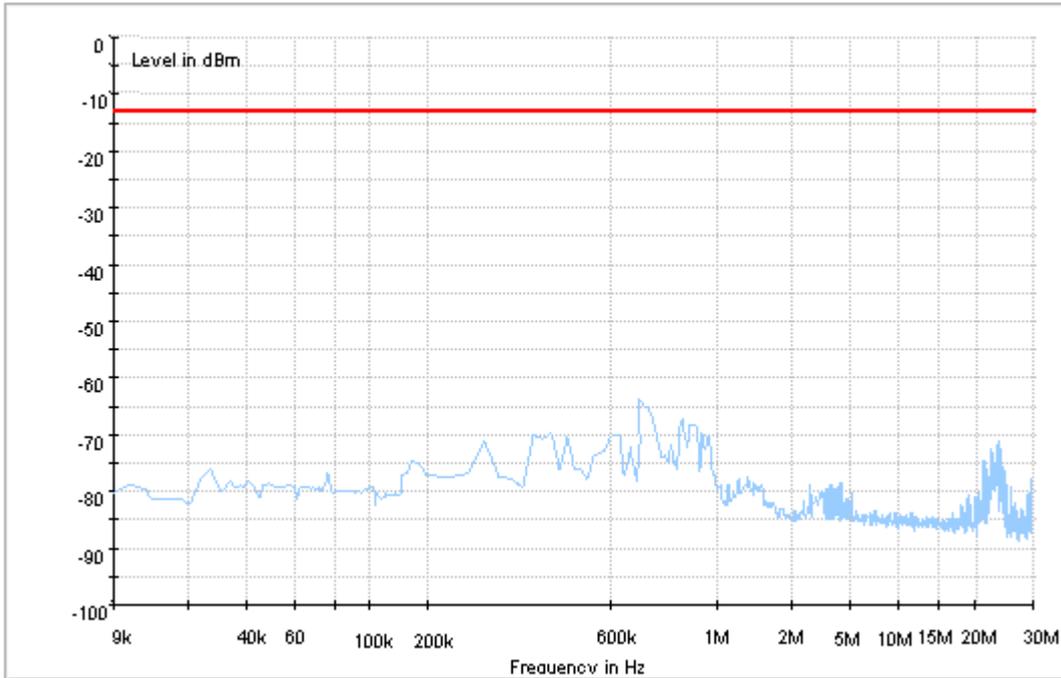


Copy of FCC PART22 GSM850\_H

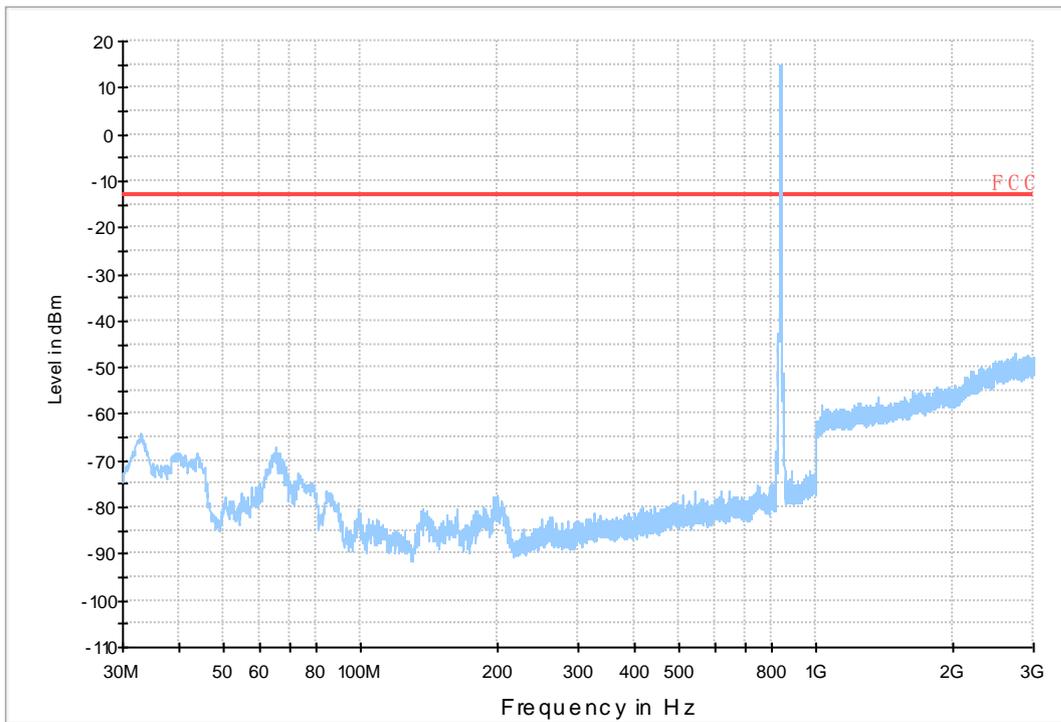


### 7.1.2 Test Band = WCDMA850

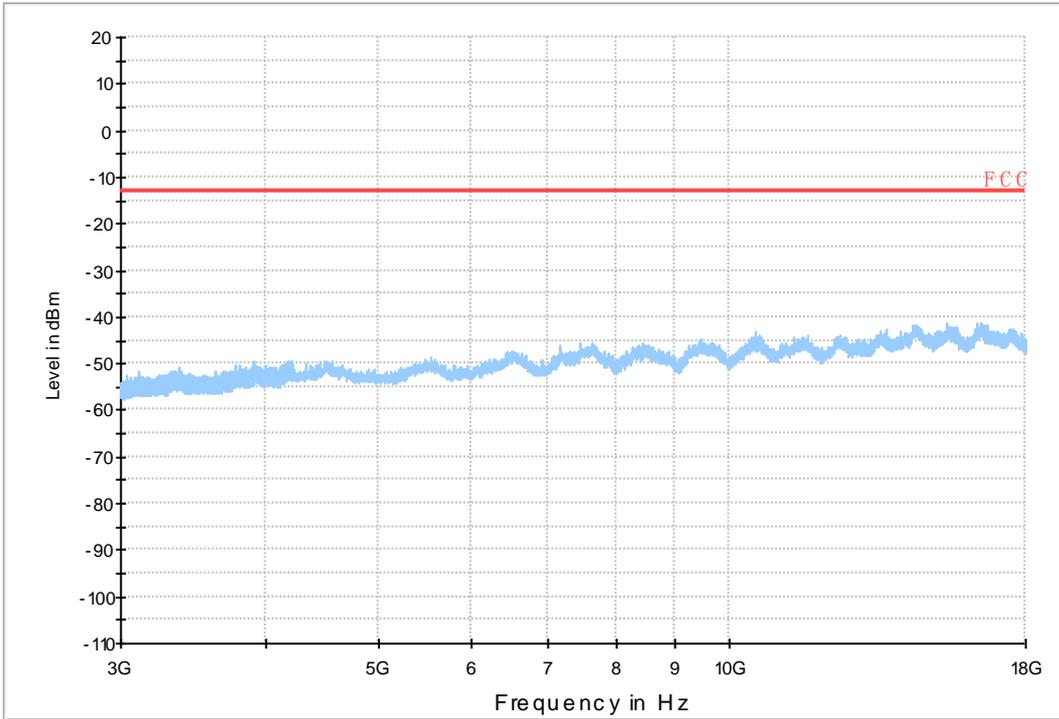
#### 7.1.2.1 Test Mode = UMTS/TM1



Copy of FCC PART22 W CDM A850\_L

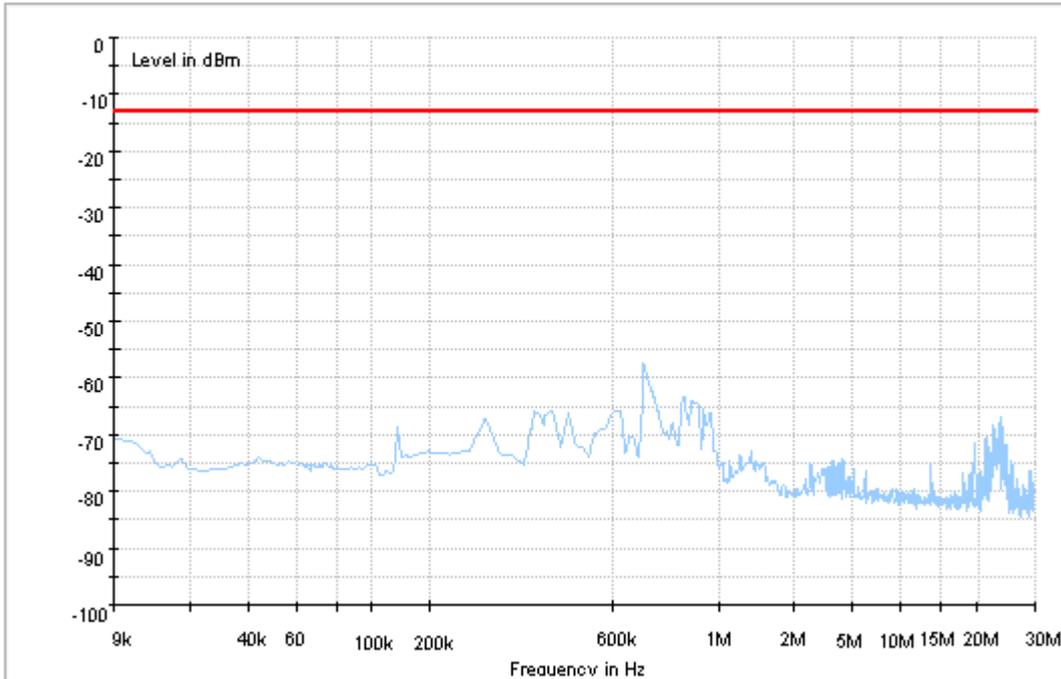


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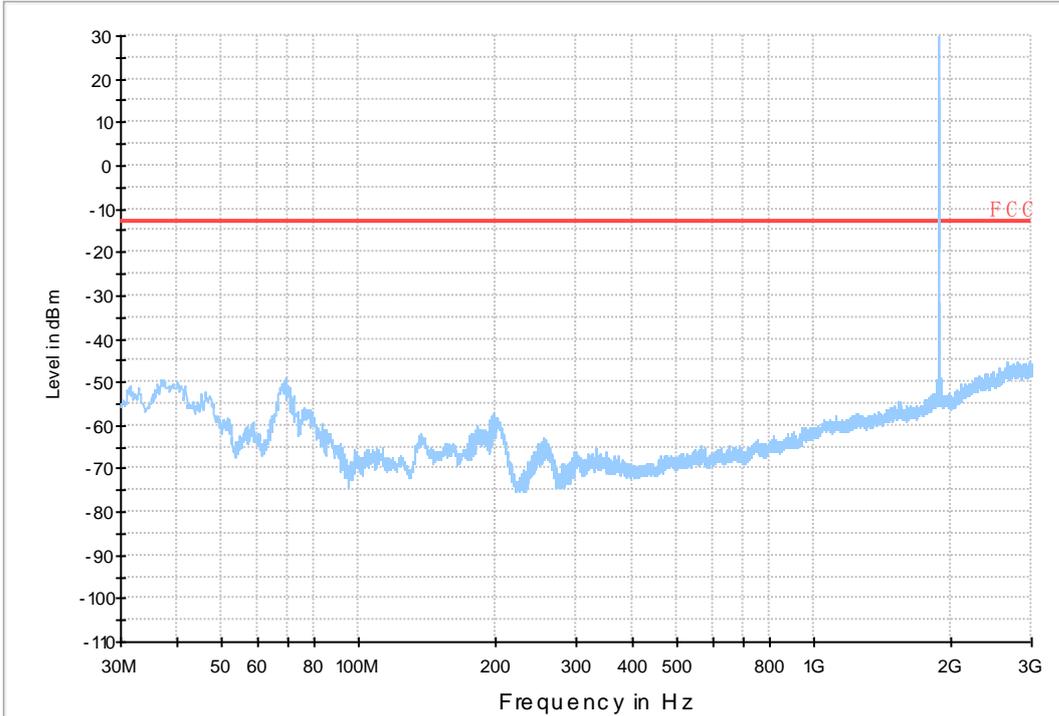


### 7.1.3 Test Band = GSM1900

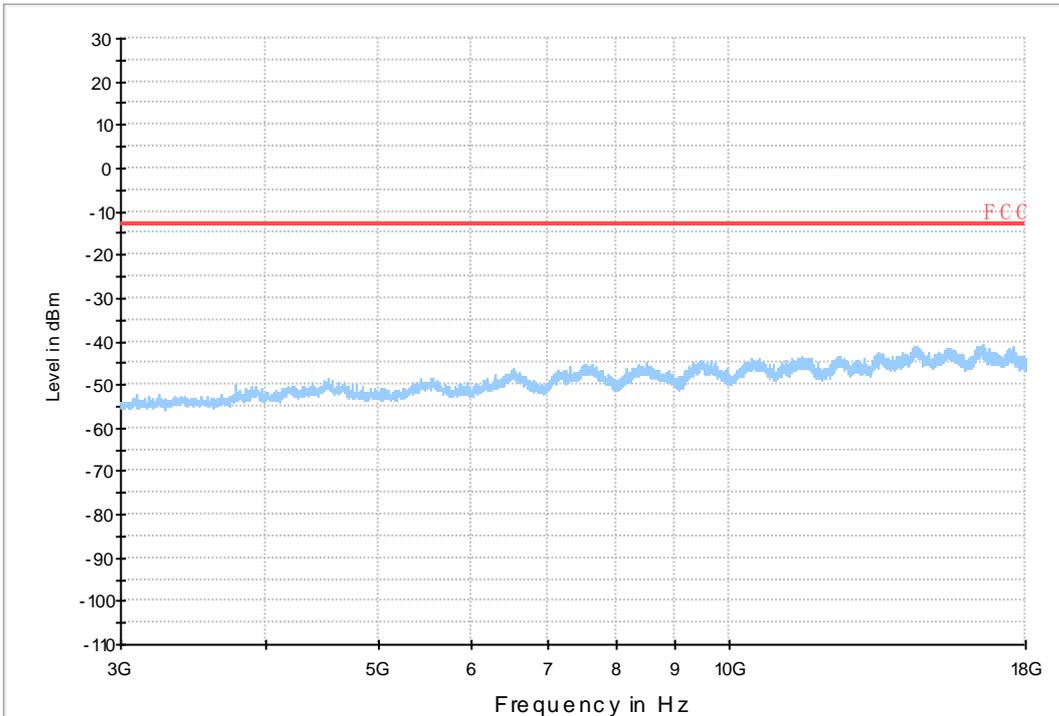
#### 7.1.3.1 Test Mode = GSM/TM1

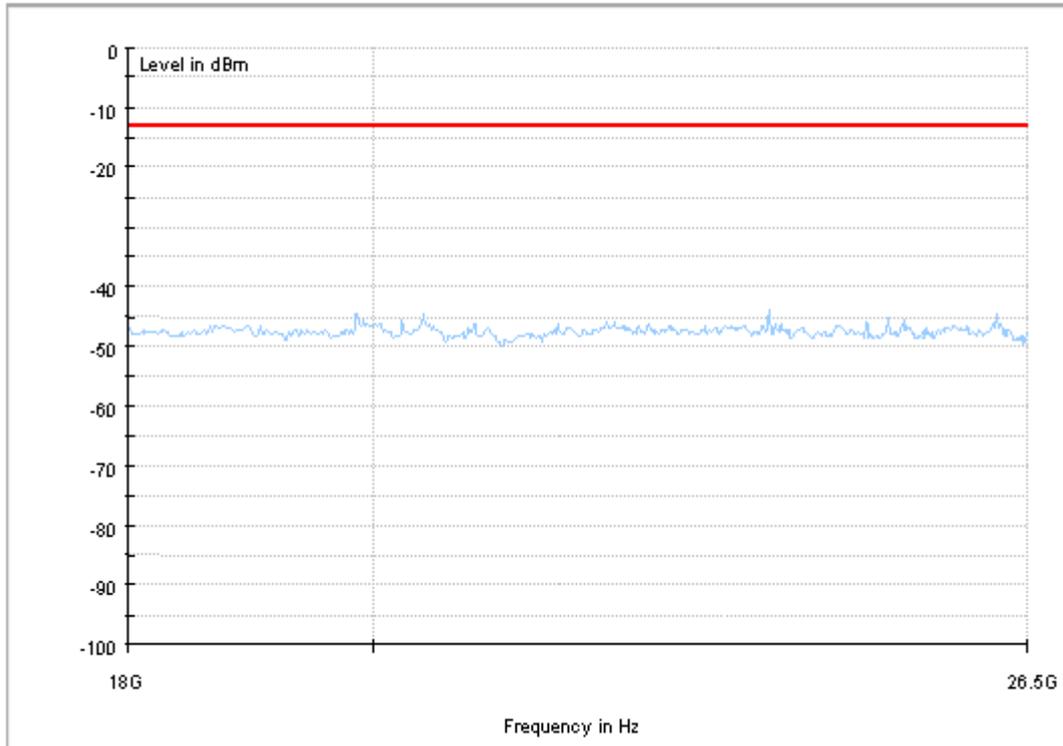


Copy of FCC PART24 GSM 1900\_L



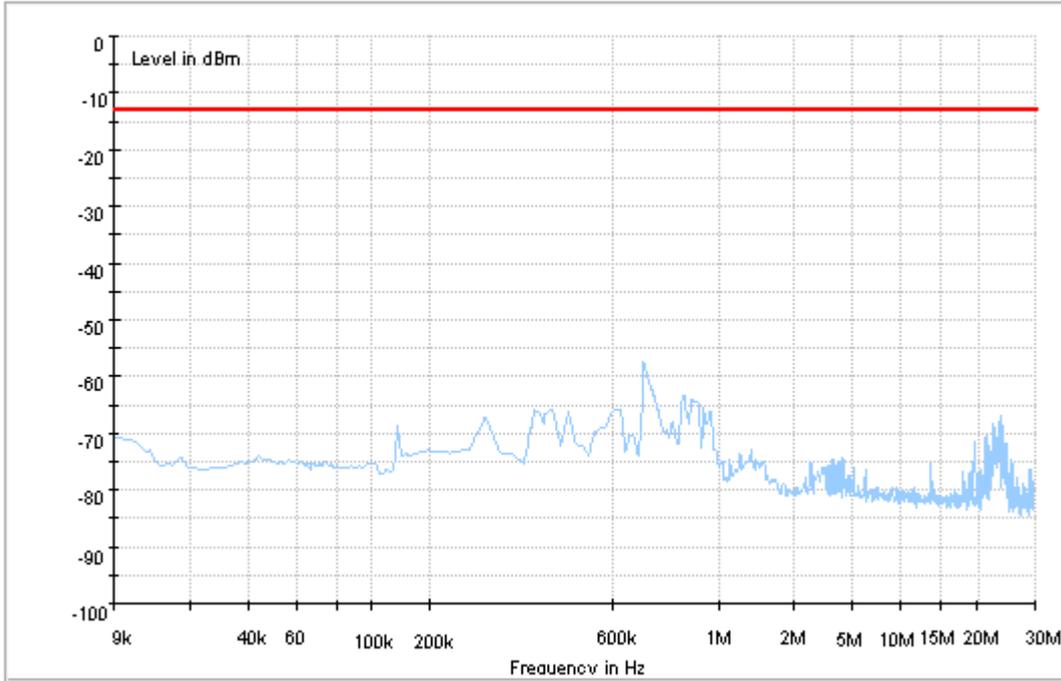
Copy of FCC PART24 GSM 1900\_H



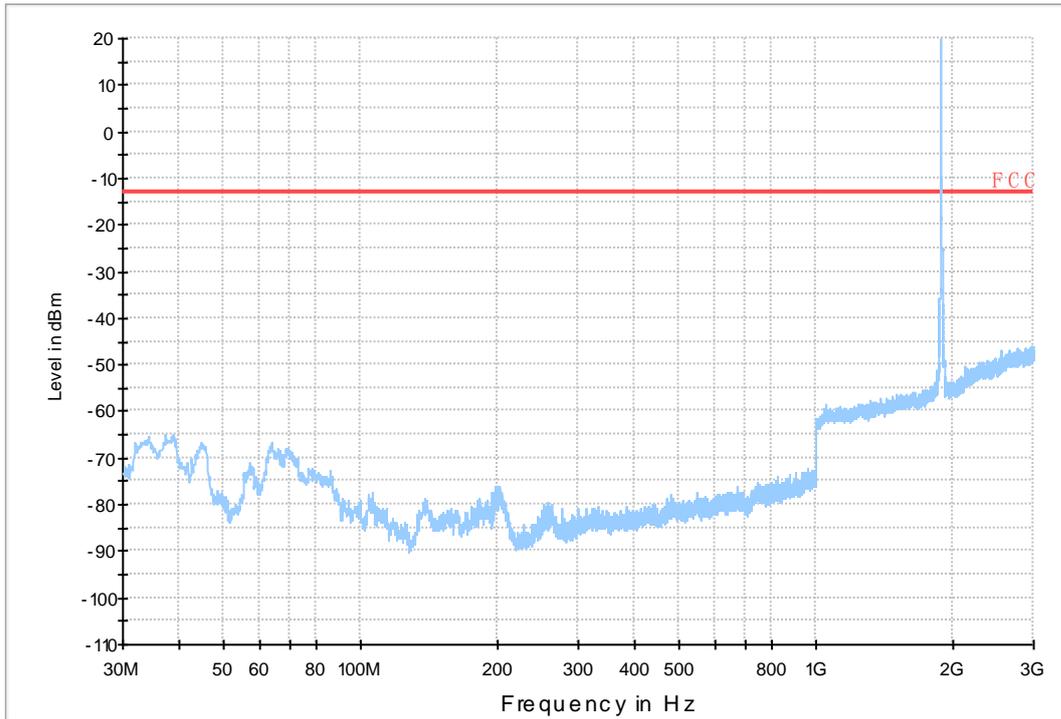


#### 7.1.4 Test Band = WCDMA1900

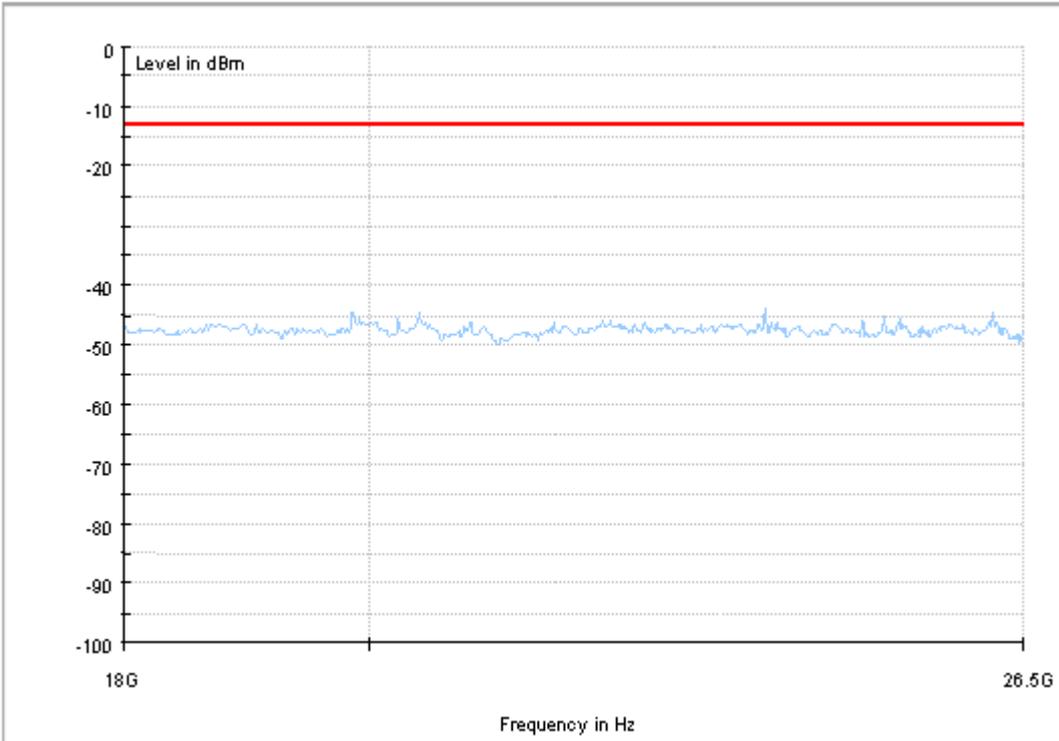
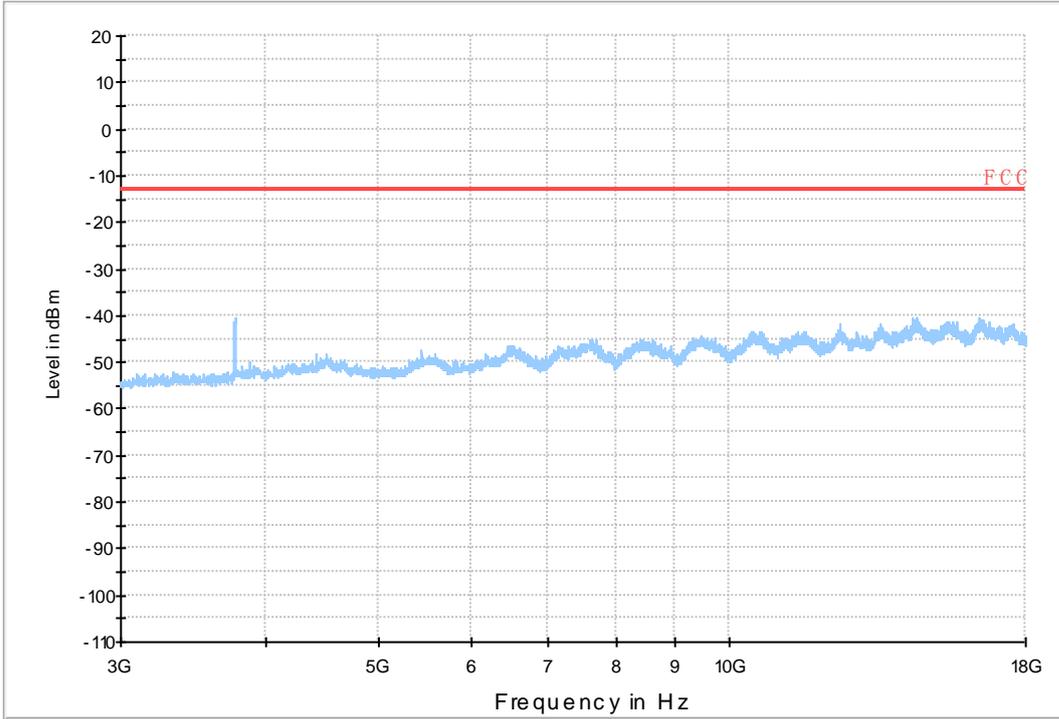
##### 7.1.4.1 Test Mode = UMTS/TM1



Copy of FCC PART24 W CDMA1900\_L



Copy of FCC PART24 W CDMA1900\_H



## 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	-19.44	-0.02359	PASS
				VN	-20.99	-0.02547	PASS
				VH	-22.47	-0.02726	PASS
		MCH	TN	VL	-18.4	-0.02199	PASS
				VN	-23.76	-0.0284	PASS
				VH	-18.6	-0.02223	PASS
		HCH	TN	VL	-24.99	-0.02944	PASS
				VN	-20.28	-0.02389	PASS
				VH	-24.67	-0.02906	PASS
	GSM/TM2	LCH	TN	VL	-30.45	-0.03694	PASS
				VN	-27.22	-0.03303	PASS
				VH	-29.41	-0.03568	PASS
		MCH	TN	VL	-30.67	-0.03666	PASS
				VN	-31.87	-0.03809	PASS
				VH	-27.73	-0.03315	PASS
		HCH	TN	VL	-28.9	-0.03405	PASS
				VN	-30.41	-0.03583	PASS
				VH	-26.35	-0.03104	PASS
WCDMA850	UMTS/TM1	LCH	TN	VL	-0.95	-0.00115	PASS
				VN	-1.92	-0.00232	PASS
				VH	-1.16	-0.0014	PASS
		MCH	TN	VL	-2.99	-0.00357	PASS
				VN	-3.69	-0.00441	PASS
				VH	0.17	0.0002	PASS
		HCH	TN	VL	1.25	0.00148	PASS
				VN	6.1	0.00721	PASS
				VH	2.66	0.00314	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-19.18	-0.01037	PASS
				VN	-23.37	-0.01263	PASS
				VH	-15.95	-0.00862	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		MCH	TN	VL	-28.61	-0.01522	PASS	
				VN	-32.54	-0.01731	PASS	
				VH	-20.66	-0.01099	PASS	
		HCH	TN	VL	-29.25	-0.01532	PASS	
				VN	-40.23	-0.02107	PASS	
				VH	-32.48	-0.01701	PASS	
	GSM/TM2	LCH	TN	VL	-10.82	-0.00585	PASS	
				VN	-1.03	-0.00056	PASS	
				VH	-8.62	-0.00466	PASS	
		MCH	TN	VL	-4.75	-0.00253	PASS	
				VN	-4.97	-0.00264	PASS	
				VH	-2.13	-0.00113	PASS	
		HCH	TN	VL	-39.23	-0.02054	PASS	
				VN	-22.44	-0.01175	PASS	
				VH	-21.99	-0.01151	PASS	
	WCDMA1900	UMTS/TM1	LCH	TN	VL	-4.06	-0.00219	PASS
					VN	4.9	0.00265	PASS
					VH	12.8	0.00691	PASS
MCH			TN	VL	8.38	0.00446	PASS	
				VN	5.74	0.00305	PASS	
				VH	2.38	0.00127	PASS	
HCH			TN	VL	11.41	0.00598	PASS	
				VN	8.83	0.00463	PASS	
				VH	3.94	0.00207	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	-25.12	-0.03048	PASS
				-20	-25.12	-0.03048	PASS
				-10	-22.99	-0.02789	PASS
				0	-12.79	-0.01552	PASS
				10	-21.24	-0.02577	PASS
				20	-18.4	-0.02232	PASS
				30	-26.73	-0.03243	PASS
				40	-21.37	-0.02593	PASS
				50	-22.86	-0.02774	PASS
		MCH	VN	-30	-21.95	-0.02624	PASS
				-20	-23.7	-0.02833	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
				-10	-20.47	-0.02447	PASS	
				0	-24.73	-0.02956	PASS	
				10	-25.25	-0.03018	PASS	
				20	-26.22	-0.03134	PASS	
				30	-21.89	-0.02617	PASS	
				40	-16.21	-0.01938	PASS	
		50	-18.92	-0.02262	PASS			
		HCH	VN	-30	-15.82	-0.01864	PASS	
				-20	-20.21	-0.02381	PASS	
				-10	-22.99	-0.02709	PASS	
				0	-20.79	-0.02449	PASS	
				10	-19.37	-0.02282	PASS	
				20	-28.22	-0.03325	PASS	
		30	-22.02	-0.02594	PASS			
		40	-22.15	-0.0261	PASS			
		50	-23.25	-0.02739	PASS			
		GSM/TM2	LCH	VN	-30	-25.09	-0.03044	PASS
					-20	-26.76	-0.03247	PASS
	-10				-26.02	-0.03157	PASS	
	0				-26.22	-0.03181	PASS	
	10				-29.35	-0.03561	PASS	
	20				-29.67	-0.036	PASS	
	30				-28.86	-0.03502	PASS	
	40				-26.6	-0.03227	PASS	
	50				-29.32	-0.03557	PASS	
	MCH		VN	-30	-30.25	-0.03616	PASS	
				-20	-31.54	-0.0377	PASS	
				-10	-28.31	-0.03384	PASS	
				0	-35.19	-0.04206	PASS	
				10	-29.22	-0.03493	PASS	
				20	-30.77	-0.03678	PASS	
				30	-24.34	-0.02909	PASS	
				40	-30.93	-0.03697	PASS	
				50	-26.28	-0.03141	PASS	
	HCH	VN	-30	-28.02	-0.03301	PASS		
			-20	-29.7	-0.03499	PASS		
			-10	-32.03	-0.03774	PASS		
			0	-29.48	-0.03473	PASS		
			10	-27.51	-0.03241	PASS		
			20	-34.32	-0.04043	PASS		



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				30	-31.87	-0.03755	PASS
				40	-29.83	-0.03514	PASS
				50	-25.44	-0.02997	PASS
WCDMA850	UMTS/TM1	LCH	VN	-30	-5.48	-0.00663	PASS
				-20	0.95	0.00115	PASS
				-10	-5.52	-0.0066	PASS
				0	-4.59	-0.00555	PASS
				10	-4.27	-0.00517	PASS
				20	0.23	0.00028	PASS
				30	-1.04	-0.00126	PASS
				40	-1.25	-0.00151	PASS
				50	-1.11	-0.00134	PASS
		MCH	VN	-30	0.05	0.00006	PASS
				-20	-3.39	-0.00405	PASS
				-10	-1.72	-0.00206	PASS
				0	-2.21	-0.00264	PASS
				10	-5.52	-0.0066	PASS
				20	-0.52	-0.00062	PASS
				30	3.16	0.00378	PASS
				40	-0.67	-0.0008	PASS
				50	-1.08	-0.00129	PASS
		HCH	VN	-30	3.42	0.00404	PASS
				-20	5.4	0.00638	PASS
				-10	5.46	0.00645	PASS
				0	8.47	0.01	PASS
				10	6.91	0.00816	PASS
				20	3.98	0.0047	PASS
				30	3.49	0.00412	PASS
				40	8.94	0.01056	PASS
				50	8.79	0.01038	PASS
GSM1900	GSM/TM1	LCH	VN	-30	-29.77	-0.01609	PASS
				-20	-34.22	-0.0185	PASS
				-10	-19.69	-0.01064	PASS
				0	-26.93	-0.01456	PASS
				10	-21.5	-0.01162	PASS
				20	-21.63	-0.01169	PASS
				30	-17.43	-0.00942	PASS
				40	-21.95	-0.01186	PASS
				50	-26.73	-0.01445	PASS
		MCH	VN	-30	-14.46	-0.00769	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				-20	-27.38	-0.01456	PASS		
				-10	-26.54	-0.01412	PASS		
				0	-17.43	-0.00927	PASS		
				10	-26.28	-0.01398	PASS		
				20	-25.25	-0.01343	PASS		
				30	-20.66	-0.01099	PASS		
				40	-21.05	-0.0112	PASS		
				50	-28.02	-0.0149	PASS		
		HCH	VN	-30	-45.07	-0.0236	PASS		
				-20	-29.64	-0.01552	PASS		
				-10	-44.62	-0.02336	PASS		
				0	-36.74	-0.01924	PASS		
				10	-40.36	-0.02113	PASS		
				20	-43.39	-0.02272	PASS		
				30	-37.06	-0.01941	PASS		
				40	-43.91	-0.02299	PASS		
		GSM/TM2	LCH	VN	-30	-15.08	-0.00815	PASS	
					-20	-13.3	-0.00719	PASS	
					-10	-5.55	-0.003	PASS	
					0	-9.23	-0.00499	PASS	
	10				-14.82	-0.00801	PASS		
	20				-17.92	-0.00969	PASS		
	30				-10.2	-0.00551	PASS		
	40				-1.97	-0.00106	PASS		
	50				-15.4	-0.00832	PASS		
	MCH				VN	-30	-9.56	-0.00509	PASS
						-20	-12.56	-0.00668	PASS
						-10	-5.88	-0.00313	PASS
			0	-18.34		-0.00976	PASS		
			10	0.77		0.00041	PASS		
			20	-0.06		-0.00003	PASS		
			30	-10.04		-0.00534	PASS		
			40	-8.04		-0.00428	PASS		
	HCH		VN	-30	-20.24	-0.0106	PASS		
				-20	-22.05	-0.01155	PASS		
				-10	-20.08	-0.01051	PASS		
		0		-20.31	-0.01063	PASS			
		10		-14.4	-0.00754	PASS			



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
WCDMA1900	UMTS/TM1			20	-10.01	-0.00524	PASS				
				30	-11.24	-0.00589	PASS				
				40	-27.54	-0.01442	PASS				
				50	-24.5	-0.01283	PASS				
		LCH	VN			-30	9.69	0.00523	PASS		
						-20	2.91	0.00157	PASS		
						-10	3.57	0.00193	PASS		
						0	3.63	0.00196	PASS		
						10	5.84	0.00315	PASS		
						20	-0.49	-0.00026	PASS		
						30	6.82	0.00368	PASS		
						40	10.41	0.00562	PASS		
				MCH	VN			50	2.14	0.00116	PASS
								-30	1.37	0.00073	PASS
								-20	6.93	0.00369	PASS
								-10	-1.3	-0.00069	PASS
								0	-0.17	-0.00009	PASS
								10	3.23	0.00172	PASS
								20	9.28	0.00494	PASS
								30	1.88	0.001	PASS
								40	7.08	0.00377	PASS
								50	2.33	0.00124	PASS
				HCH	VN			-30	9.57	0.00502	PASS
								-20	9.54	0.005	PASS
								-10	-1.91	-0.001	PASS
								0	8.96	0.0047	PASS
								10	5.25	0.00275	PASS
								20	1.11	0.00058	PASS
								30	7.75	0.00406	PASS
40	2.64							0.00138	PASS		
50	-5.39			-0.00283	PASS						

END