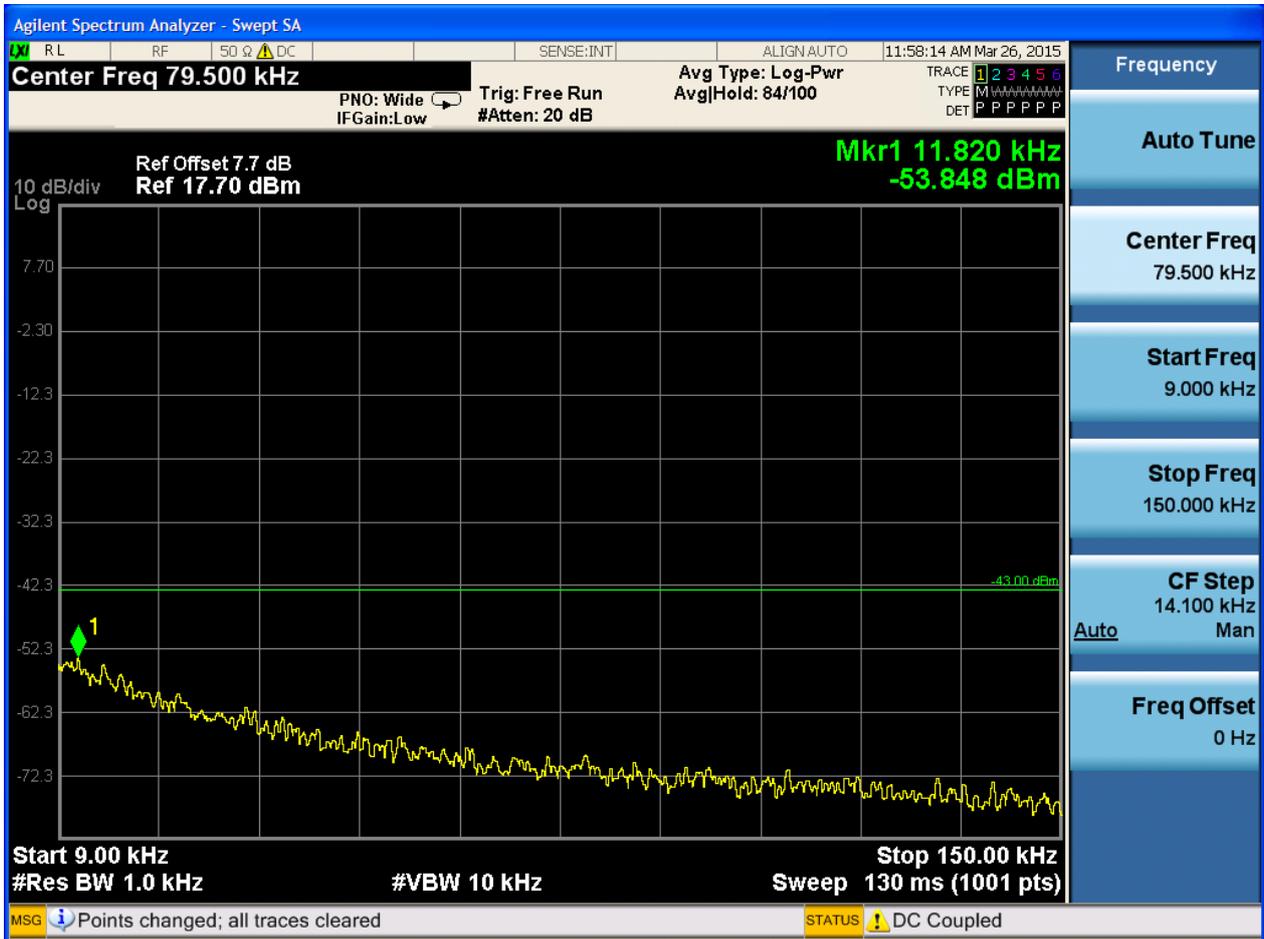
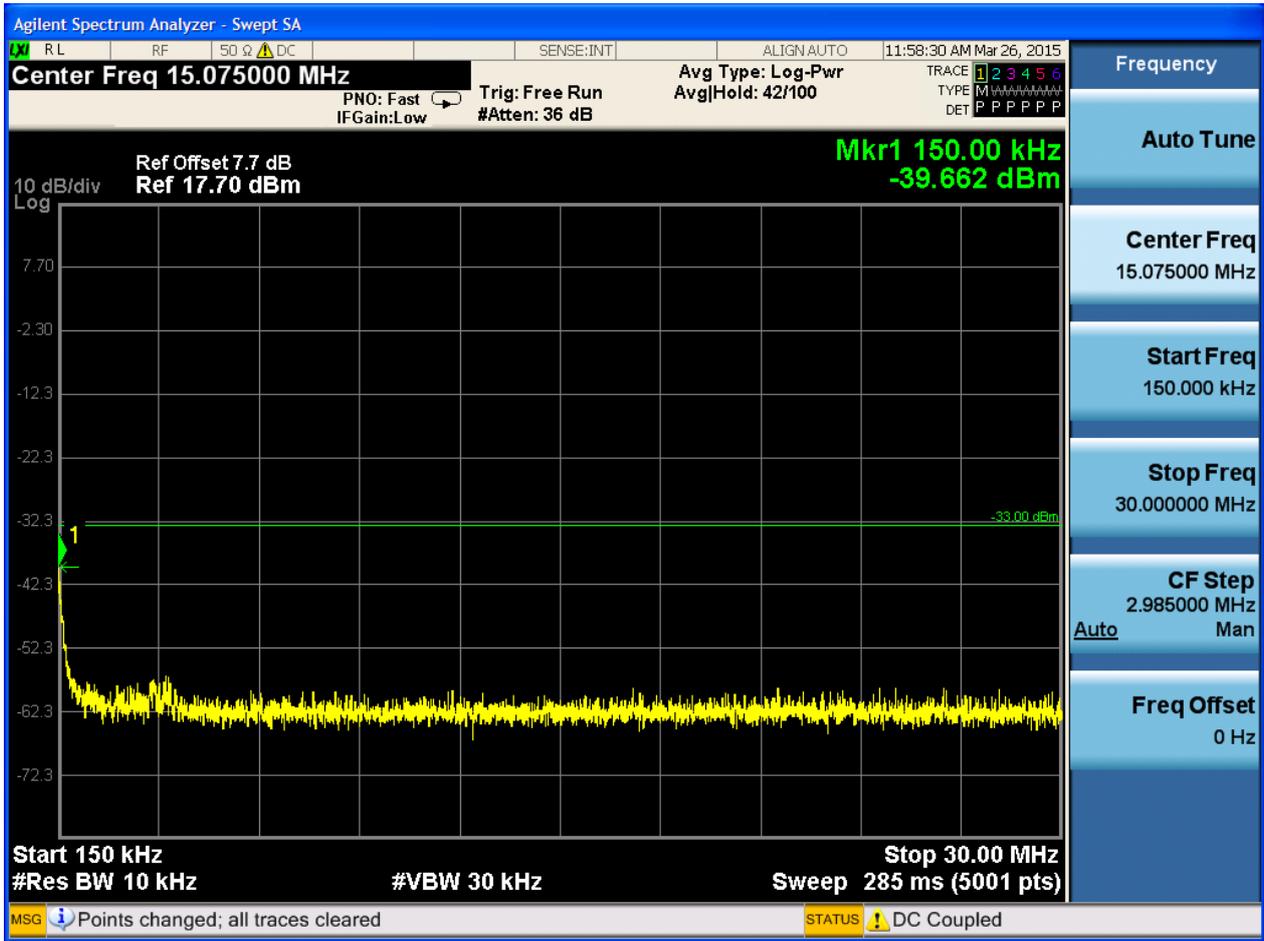
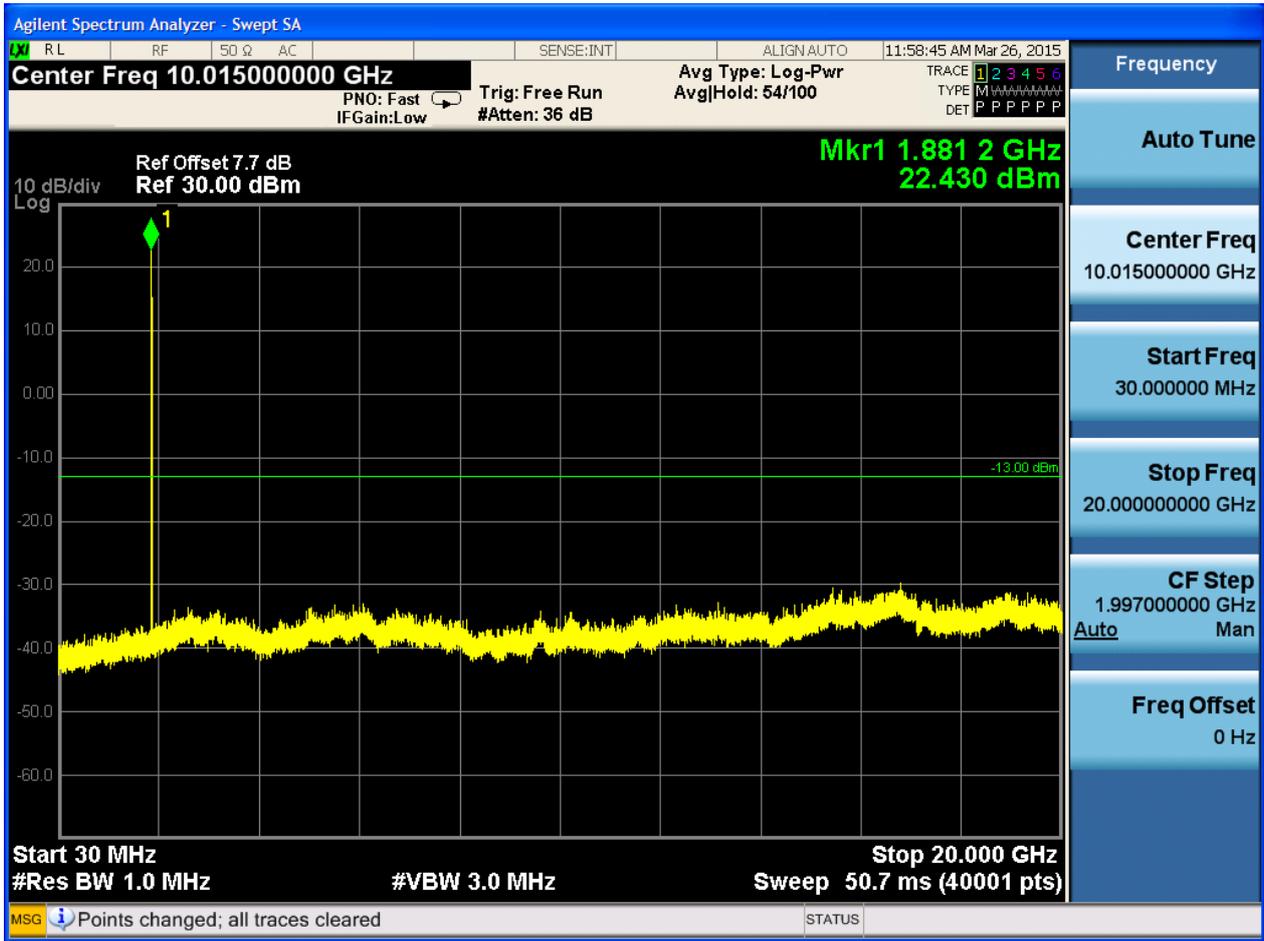




### 6.2.1.1.2 Test Channel = MCH

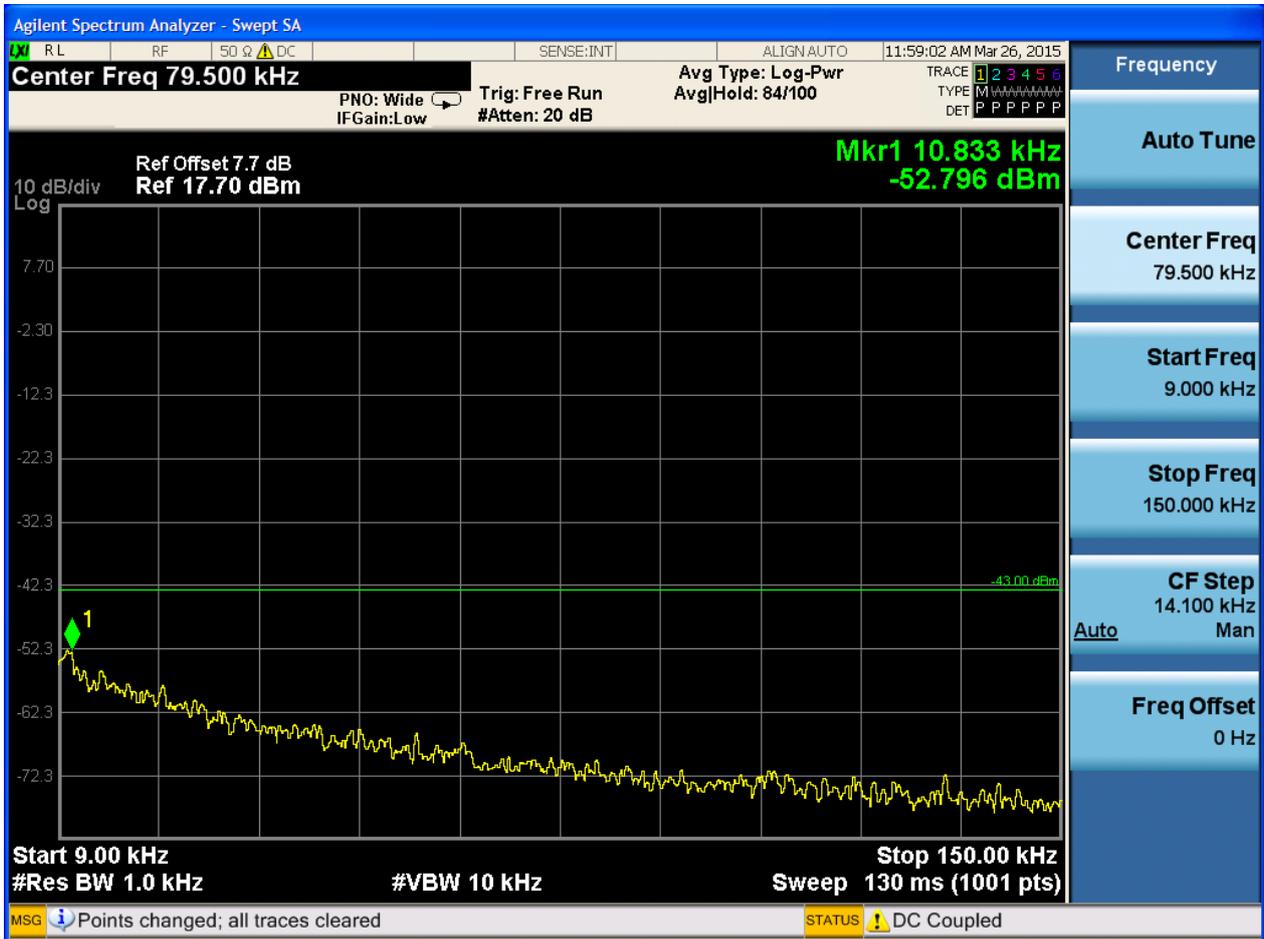


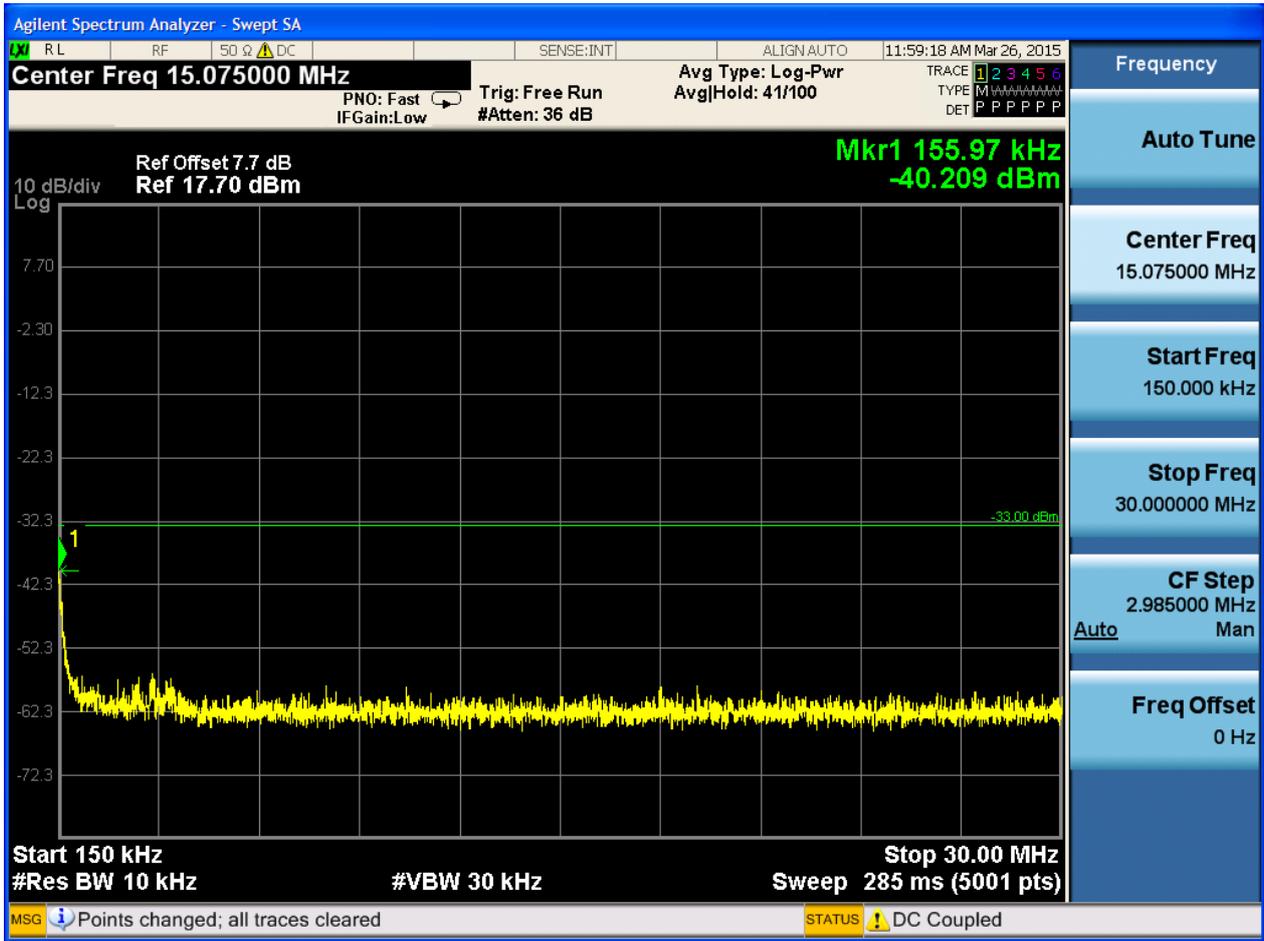


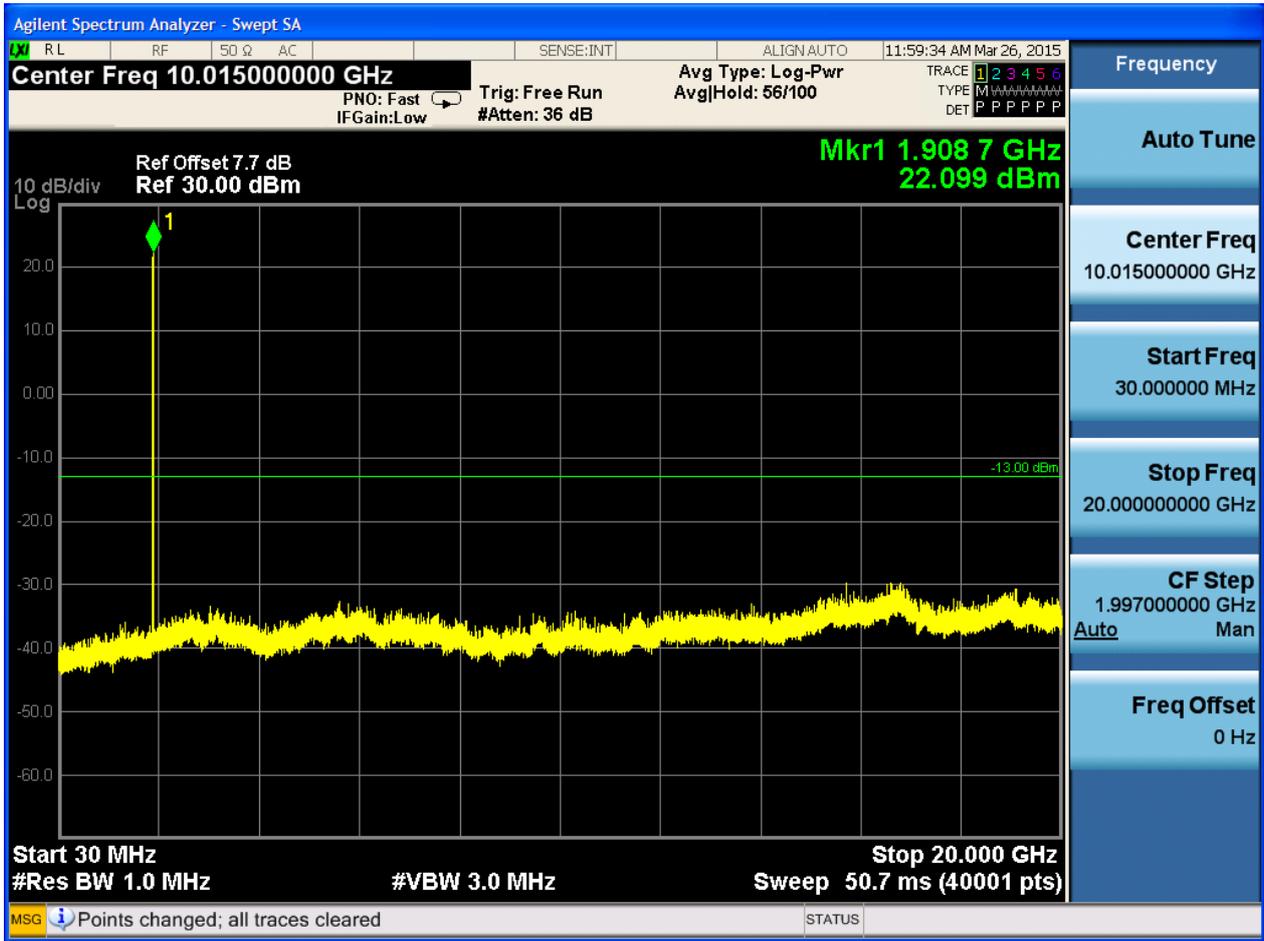




### 6.2.1.1.3 Test Channel = HCH







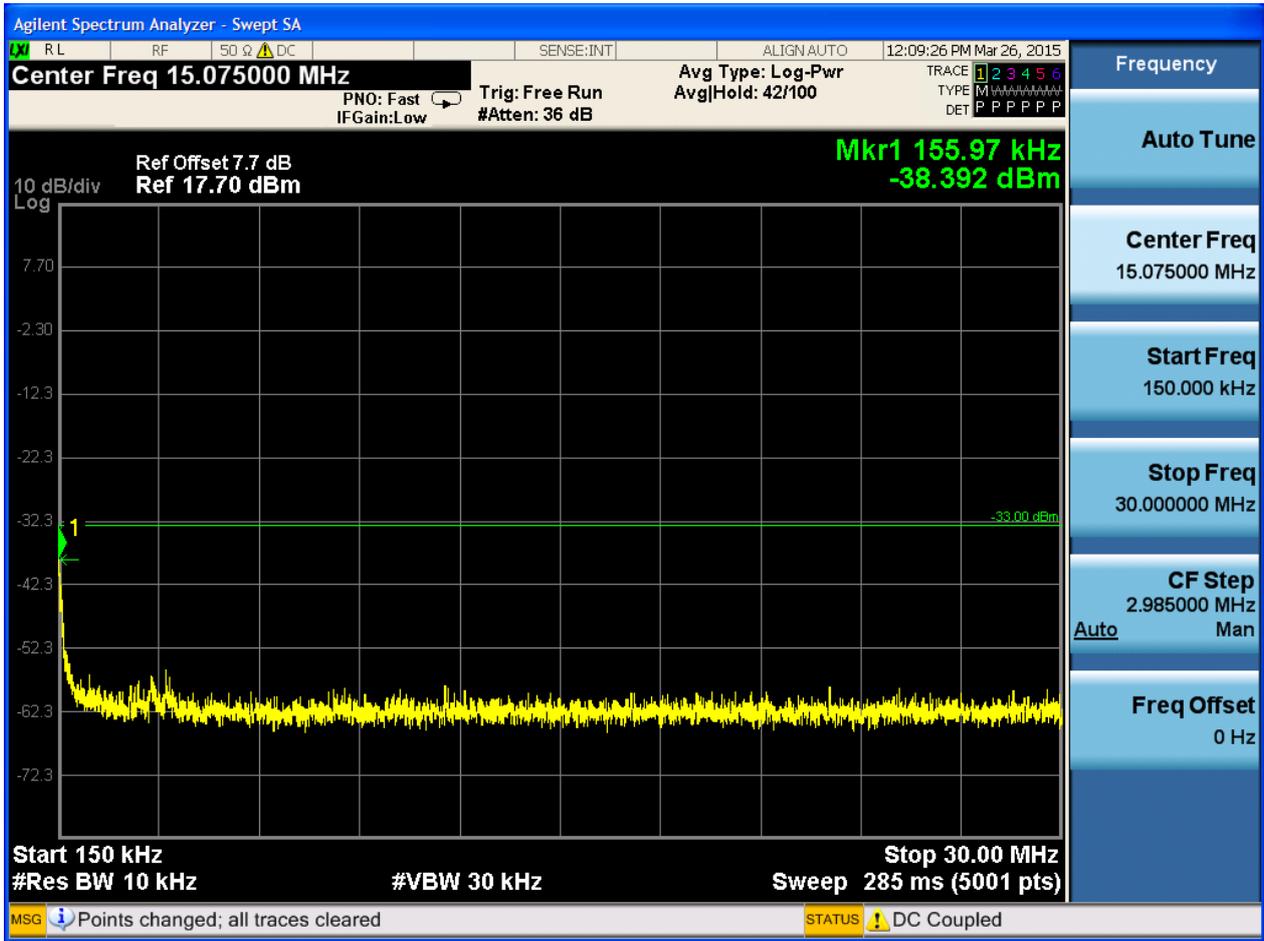


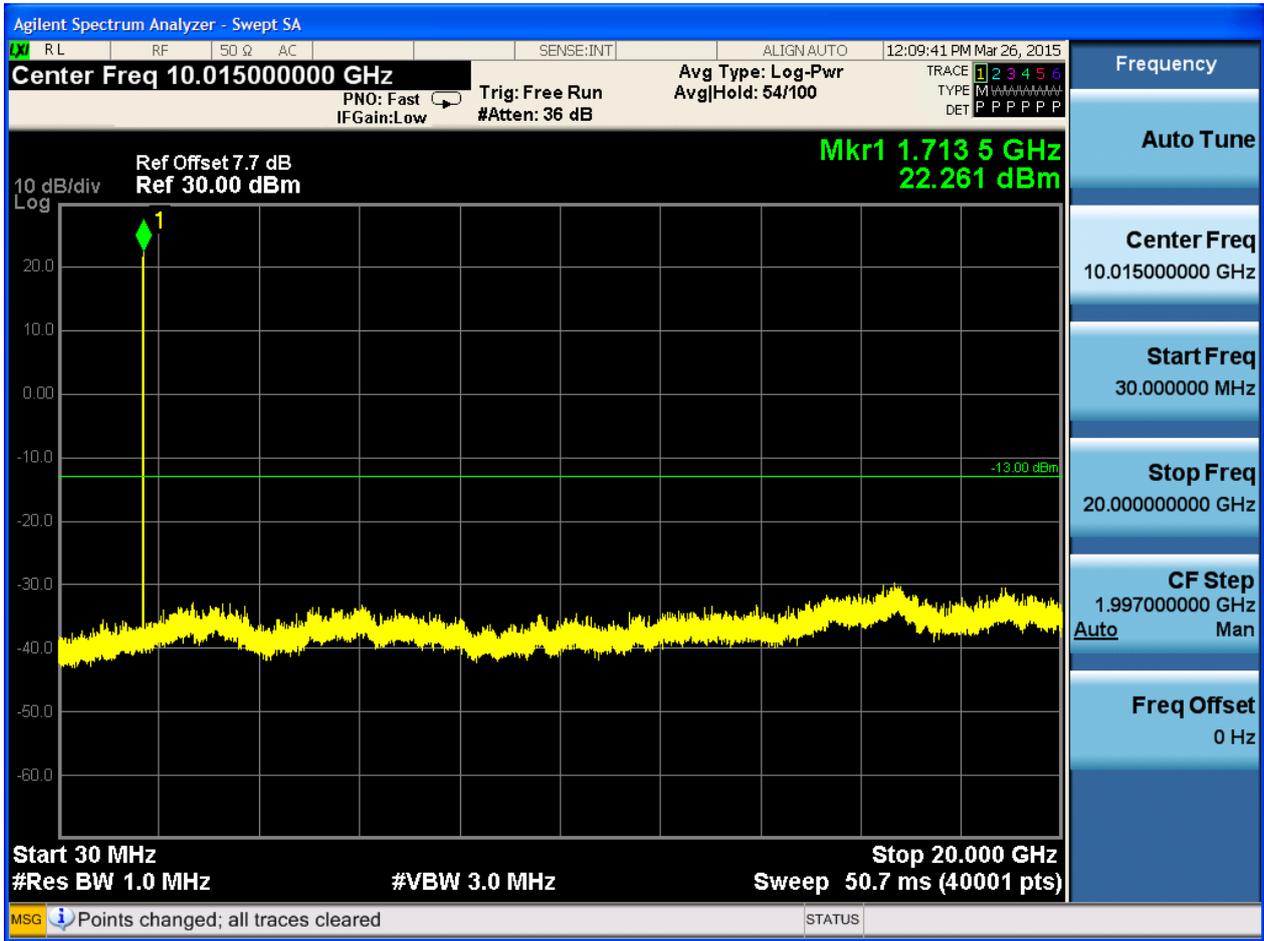
6.2.2 Test Band = WCDMA1700

6.2.2.1 Test Mode = UMTS/TM1

6.2.2.1.1 Test Channel = LCH

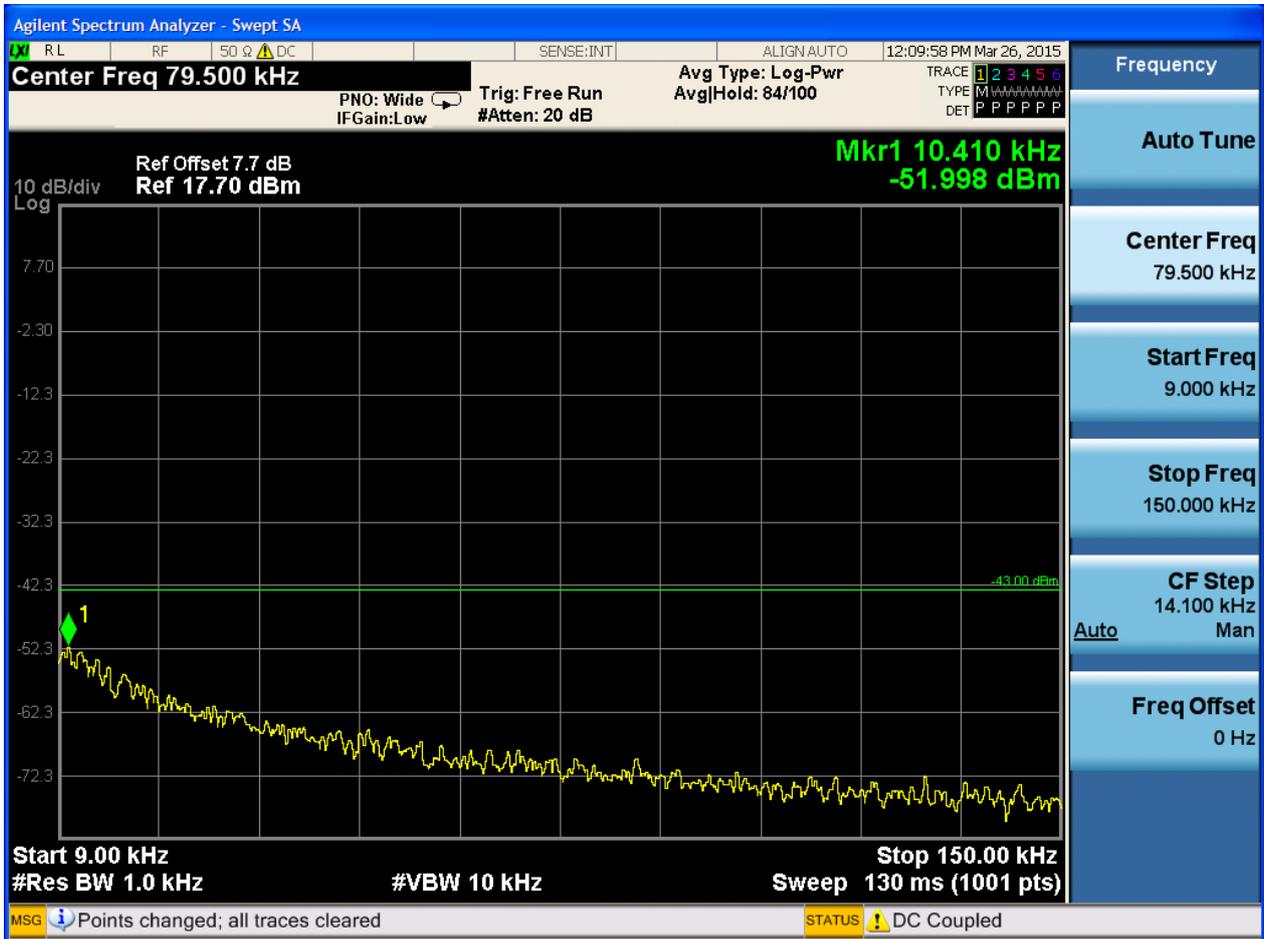


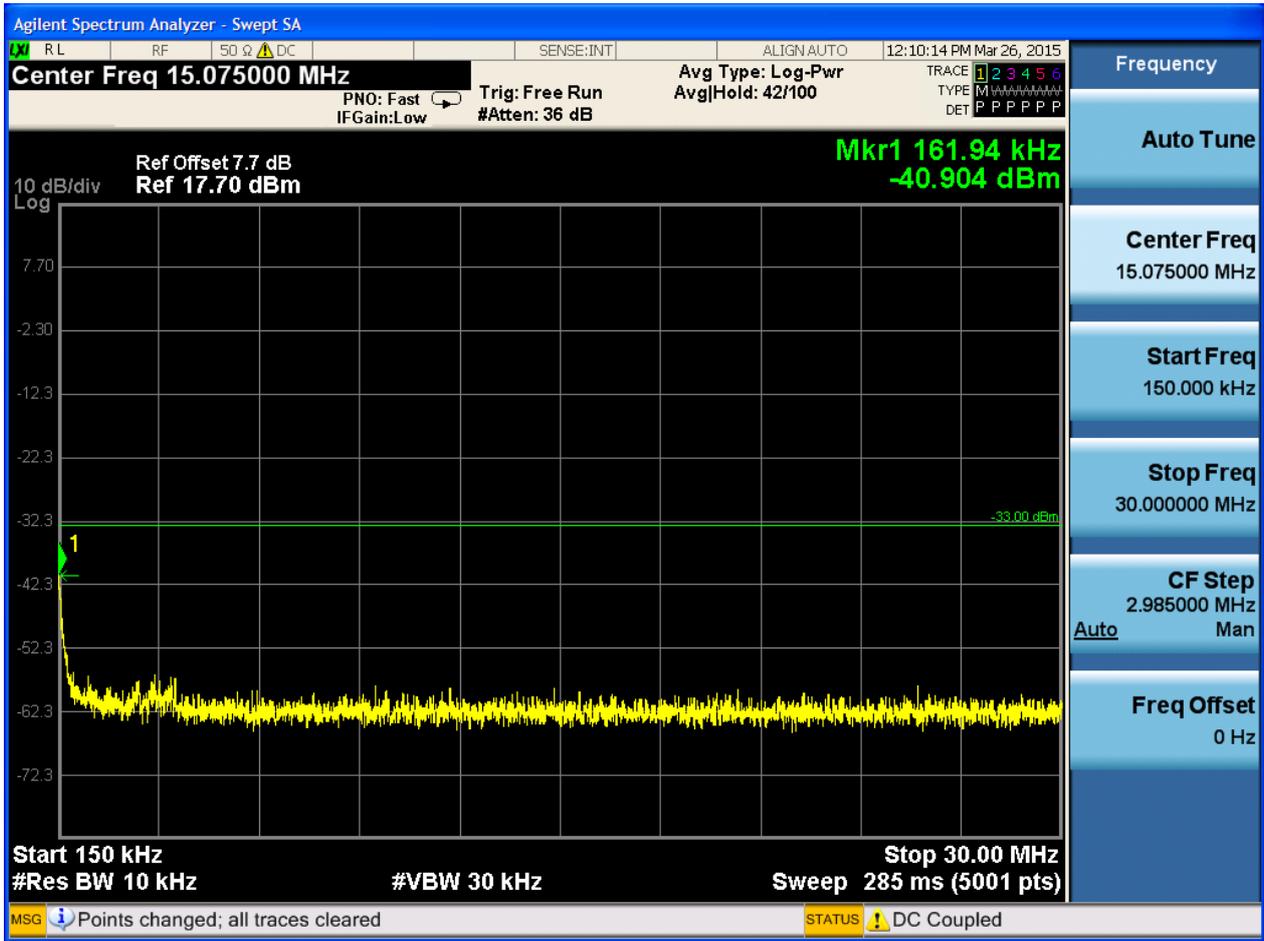


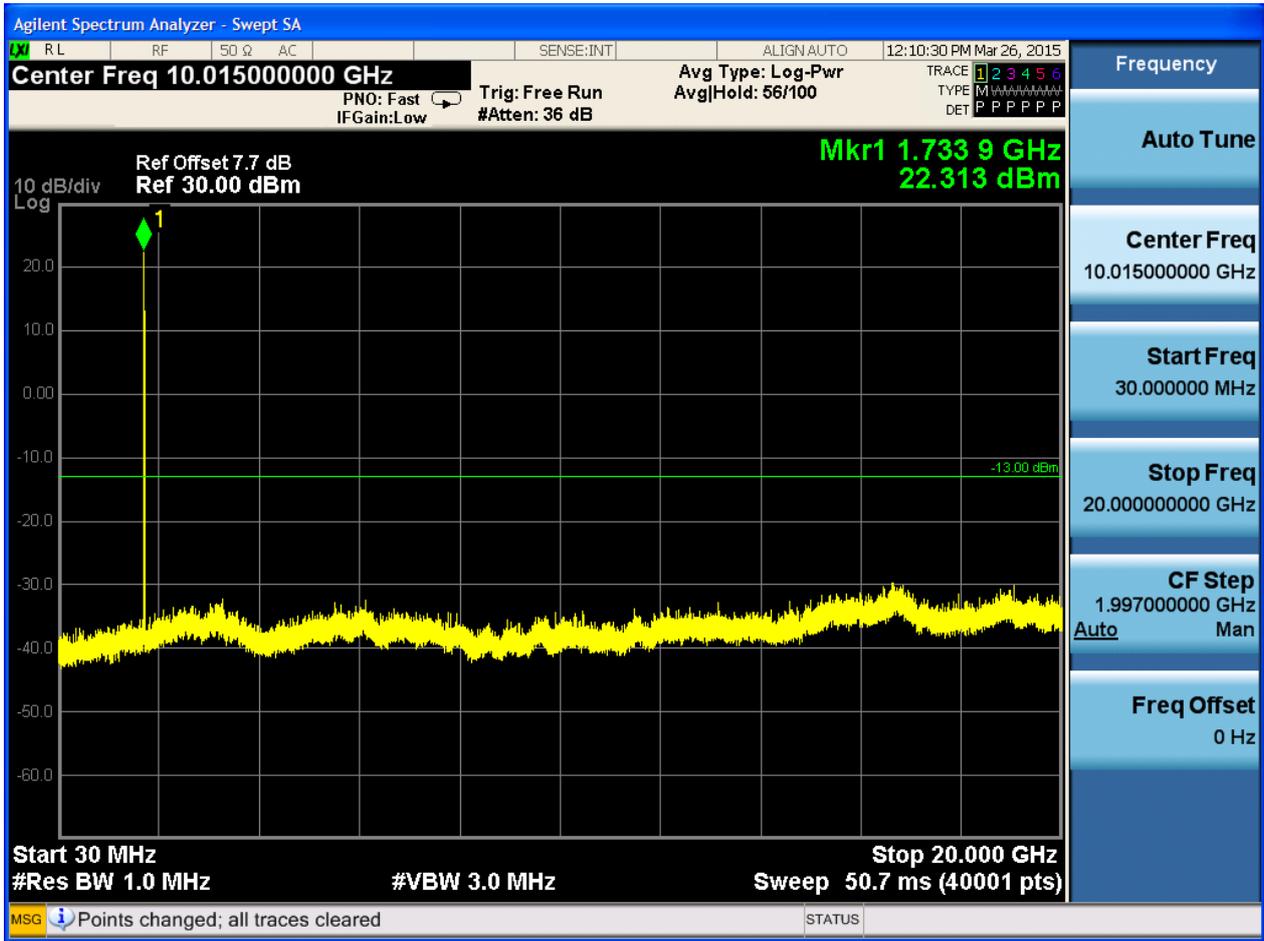




### 6.2.2.1.2 Test Channel = MCH

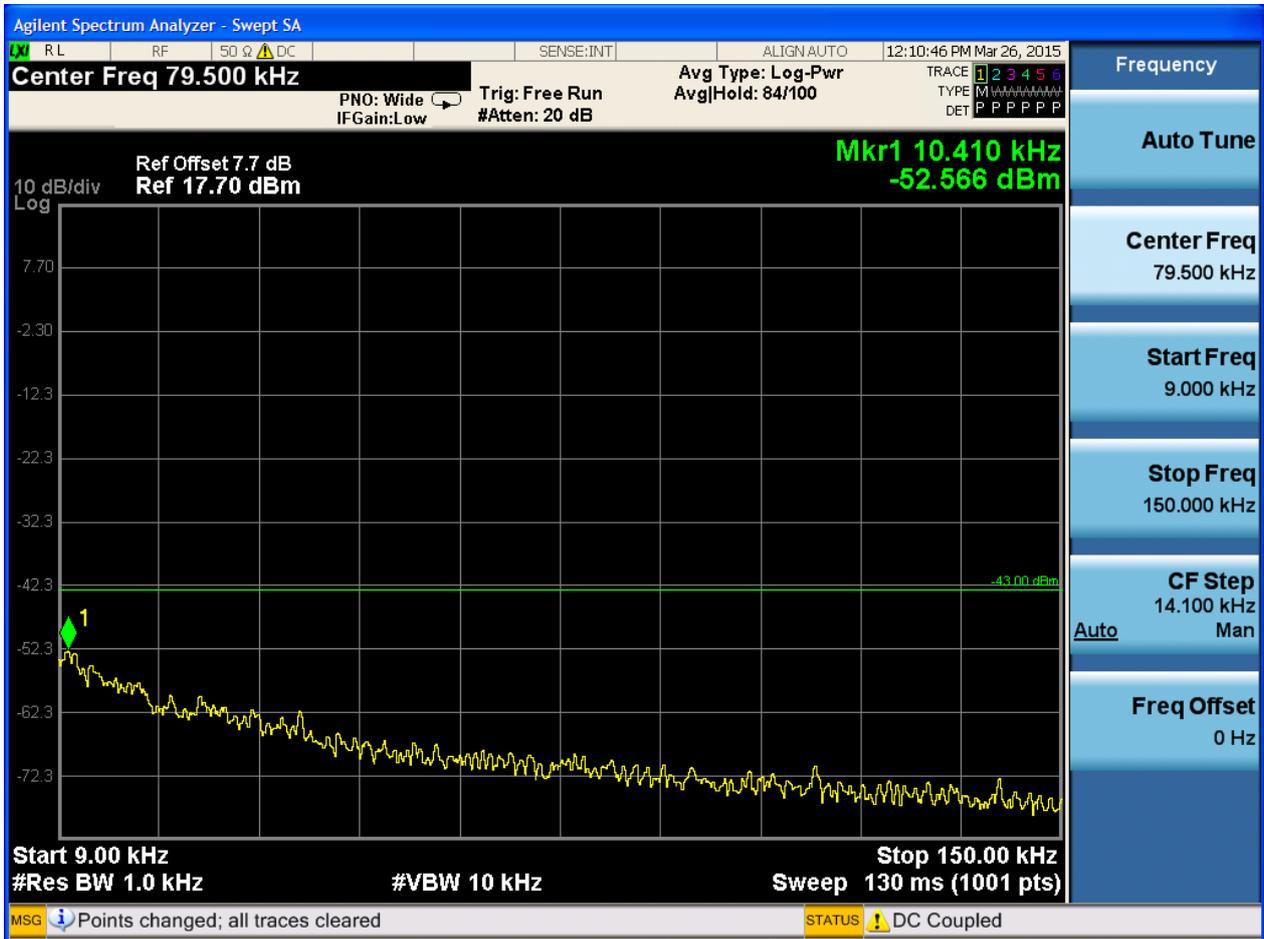


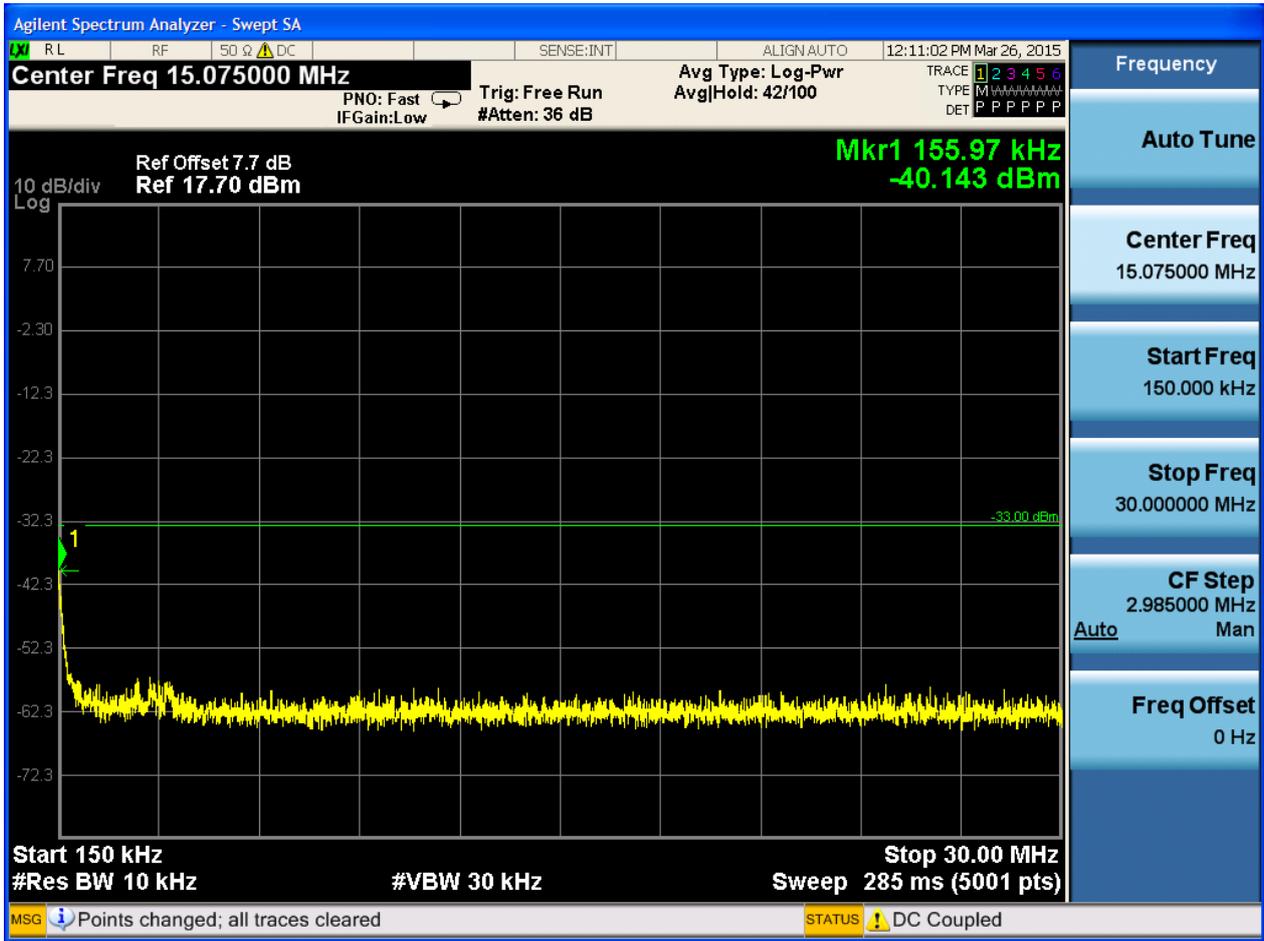


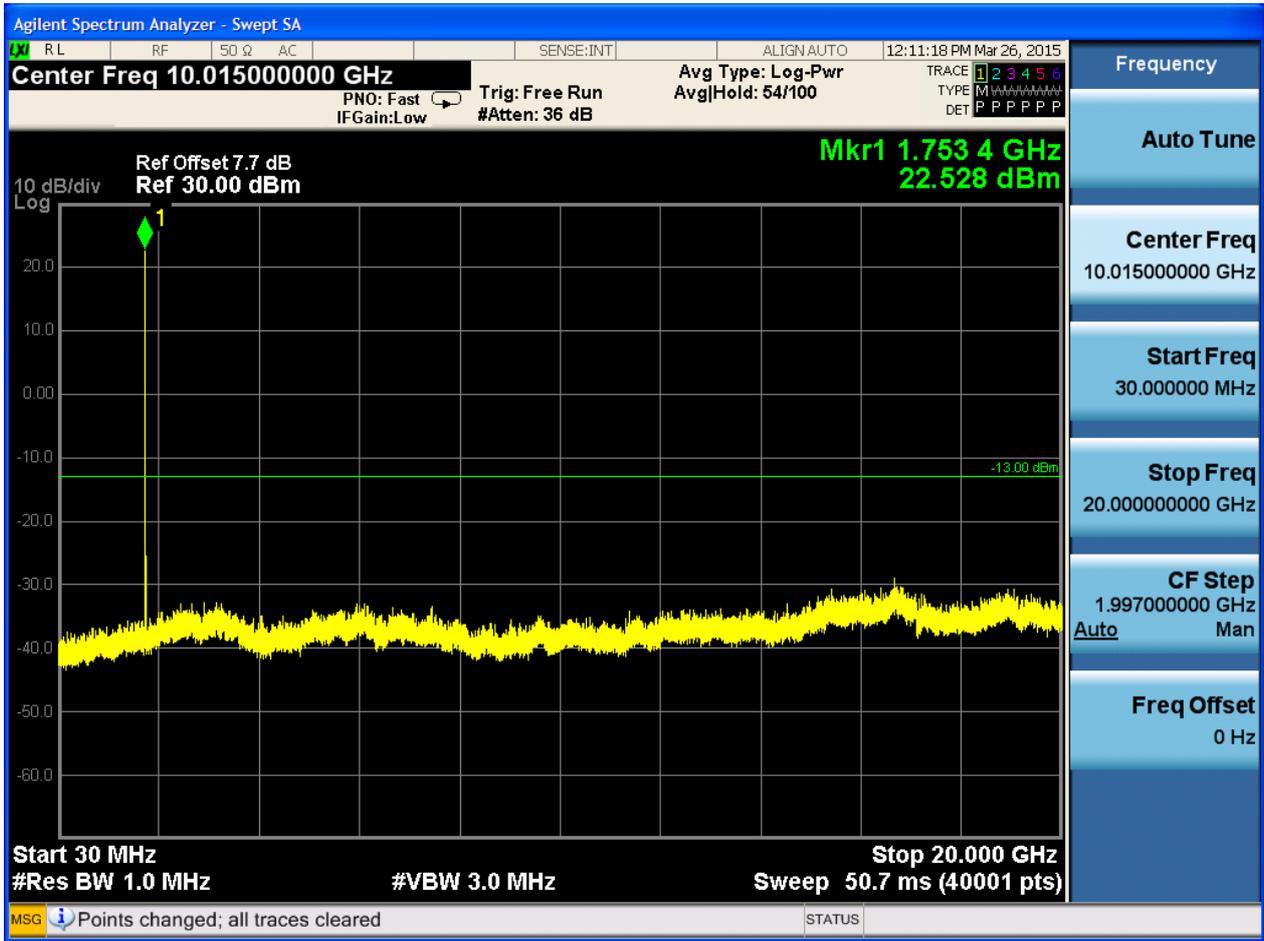




### 6.2.2.1.3 Test Channel = HCH







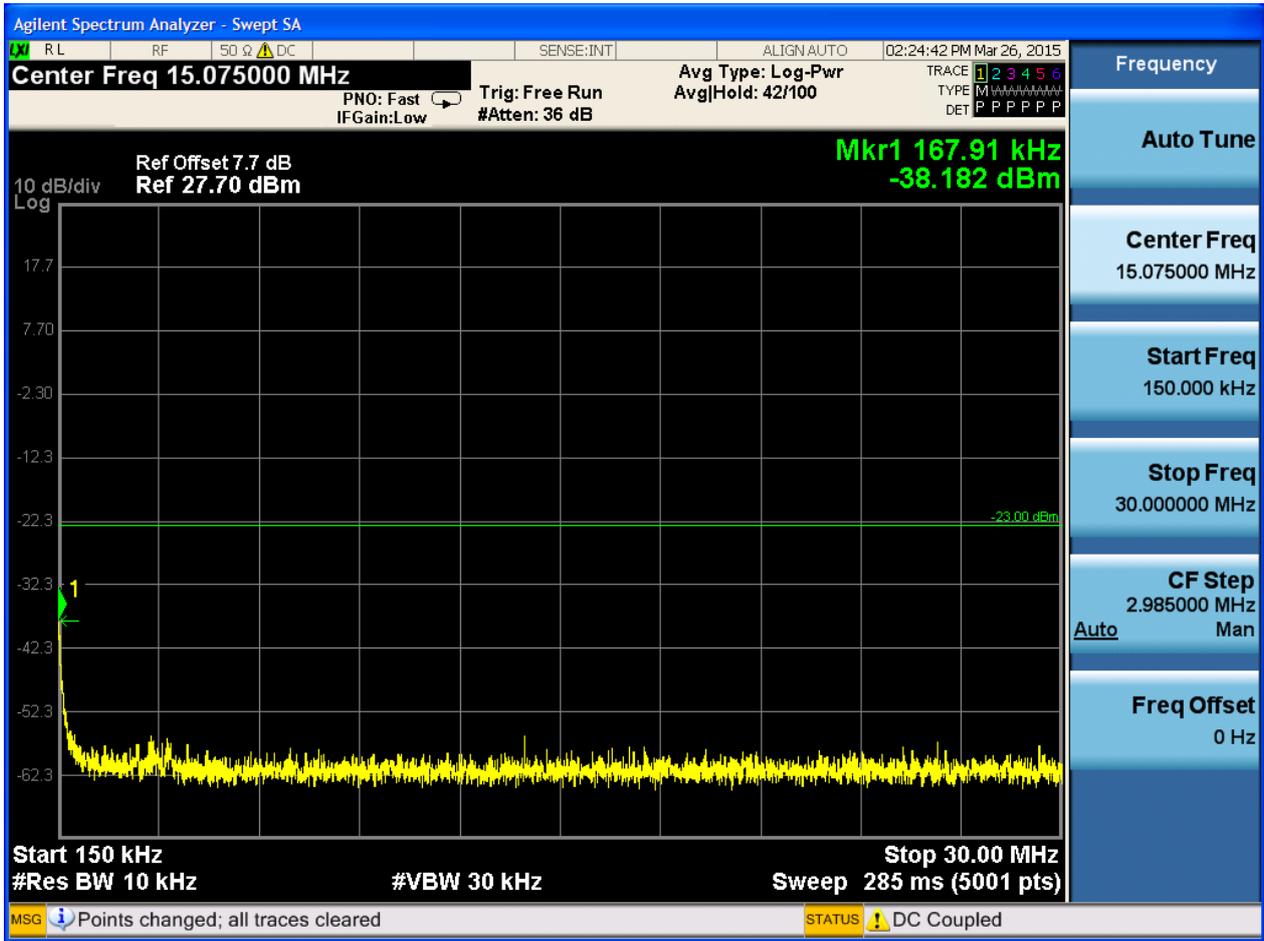


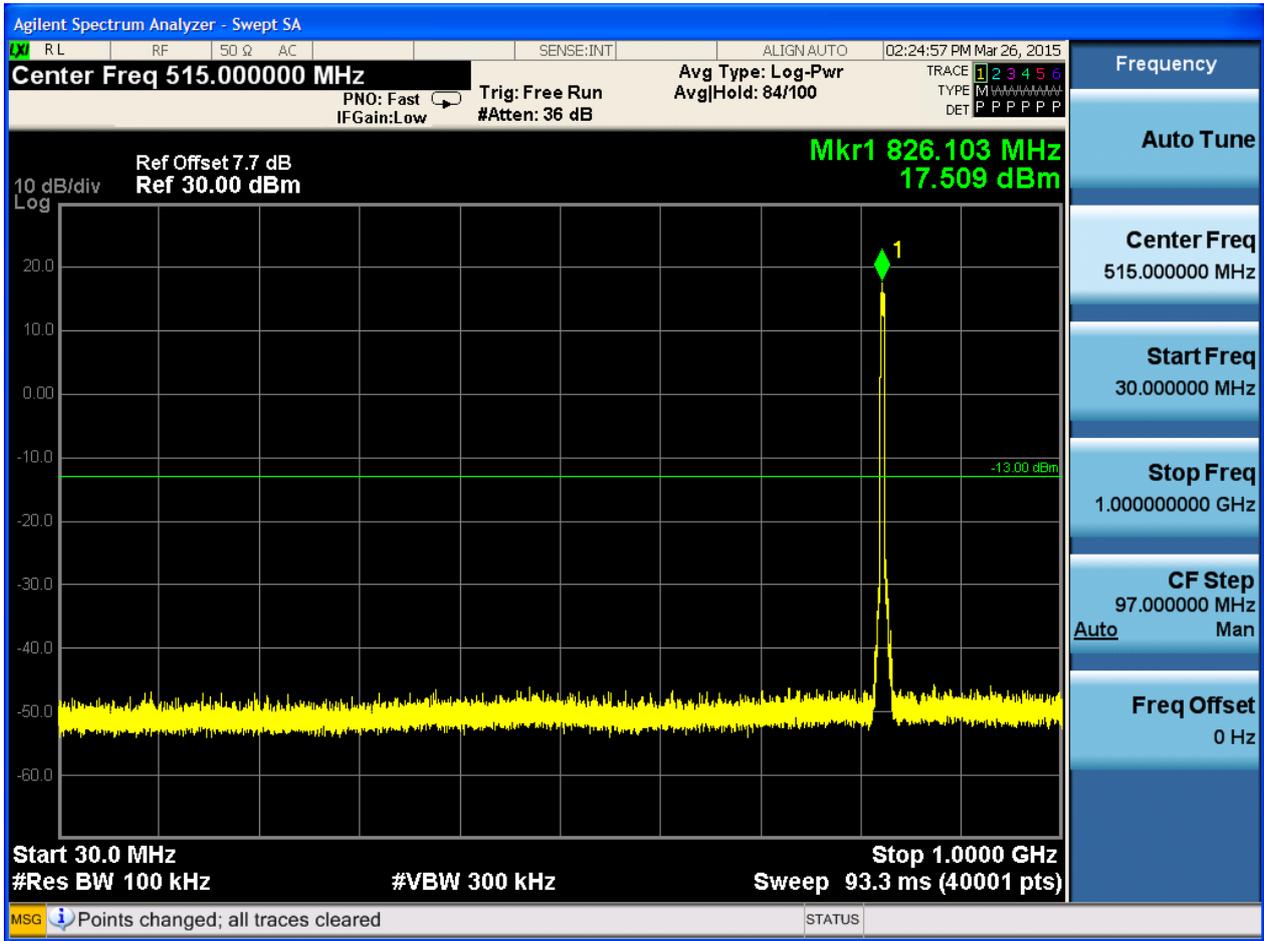
6.2.3 Test Band = WCDMA850

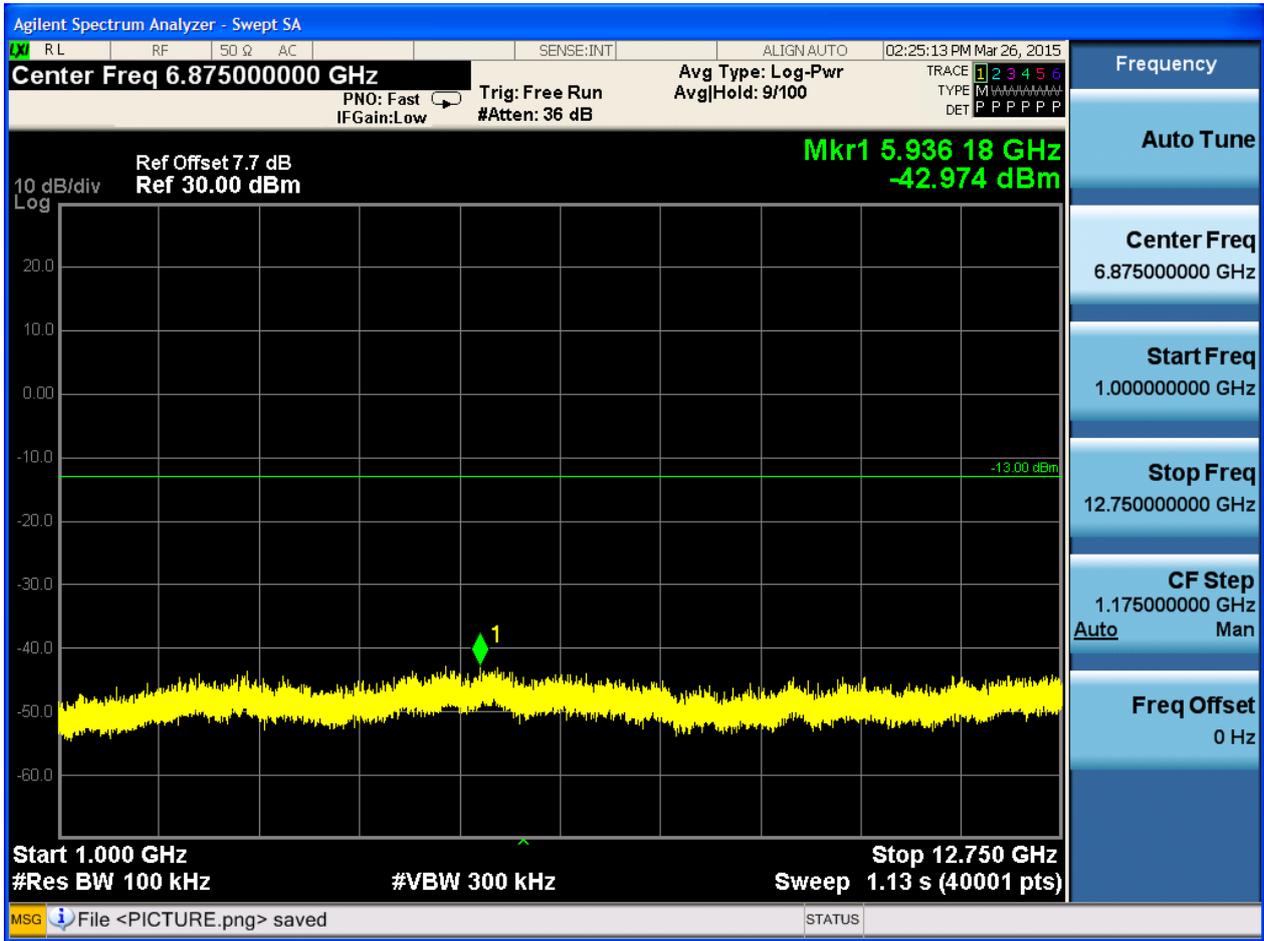
6.2.3.1 Test Mode = UMTS/TM1

6.2.3.1.1 Test Channel = LCH



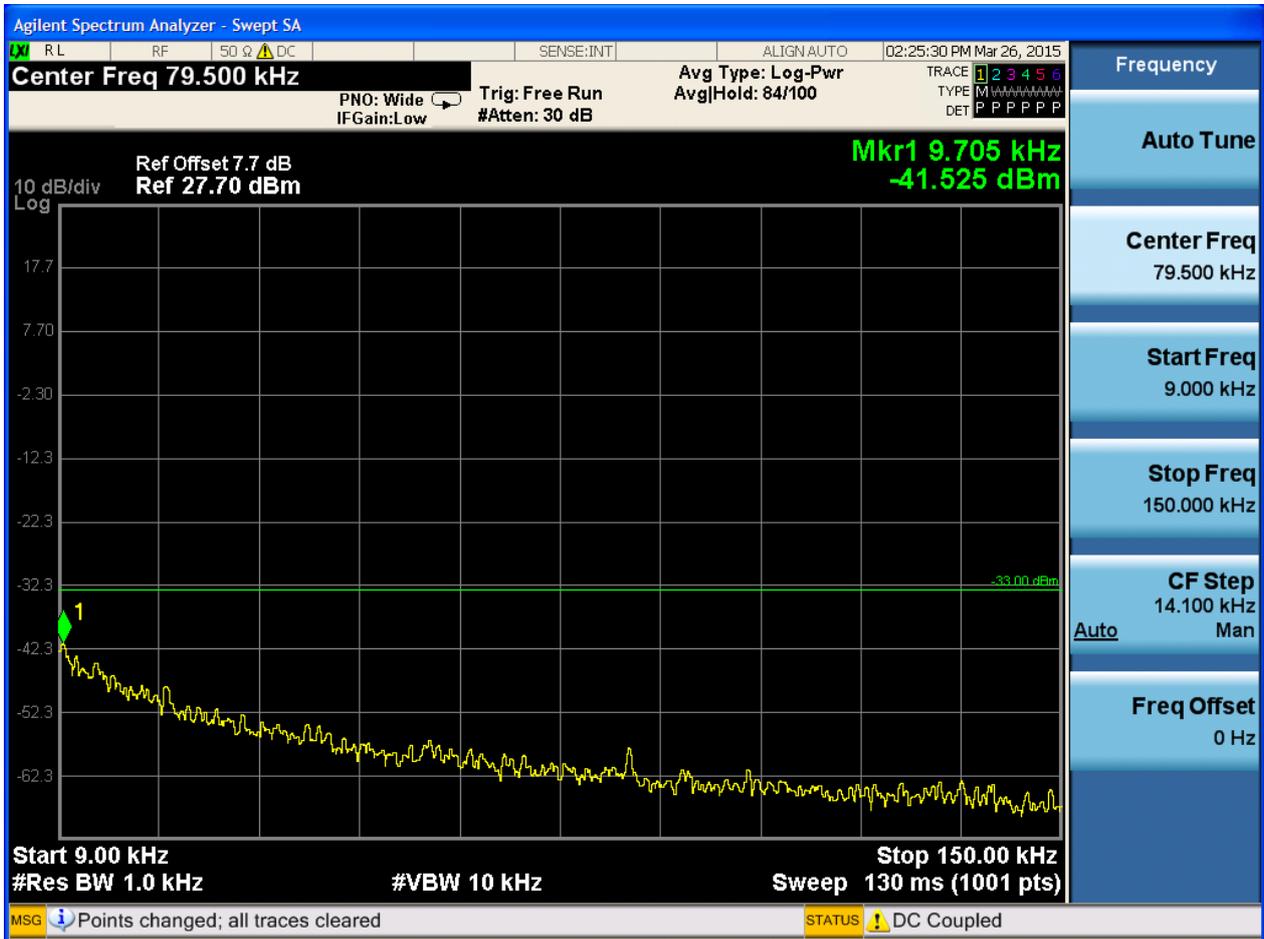


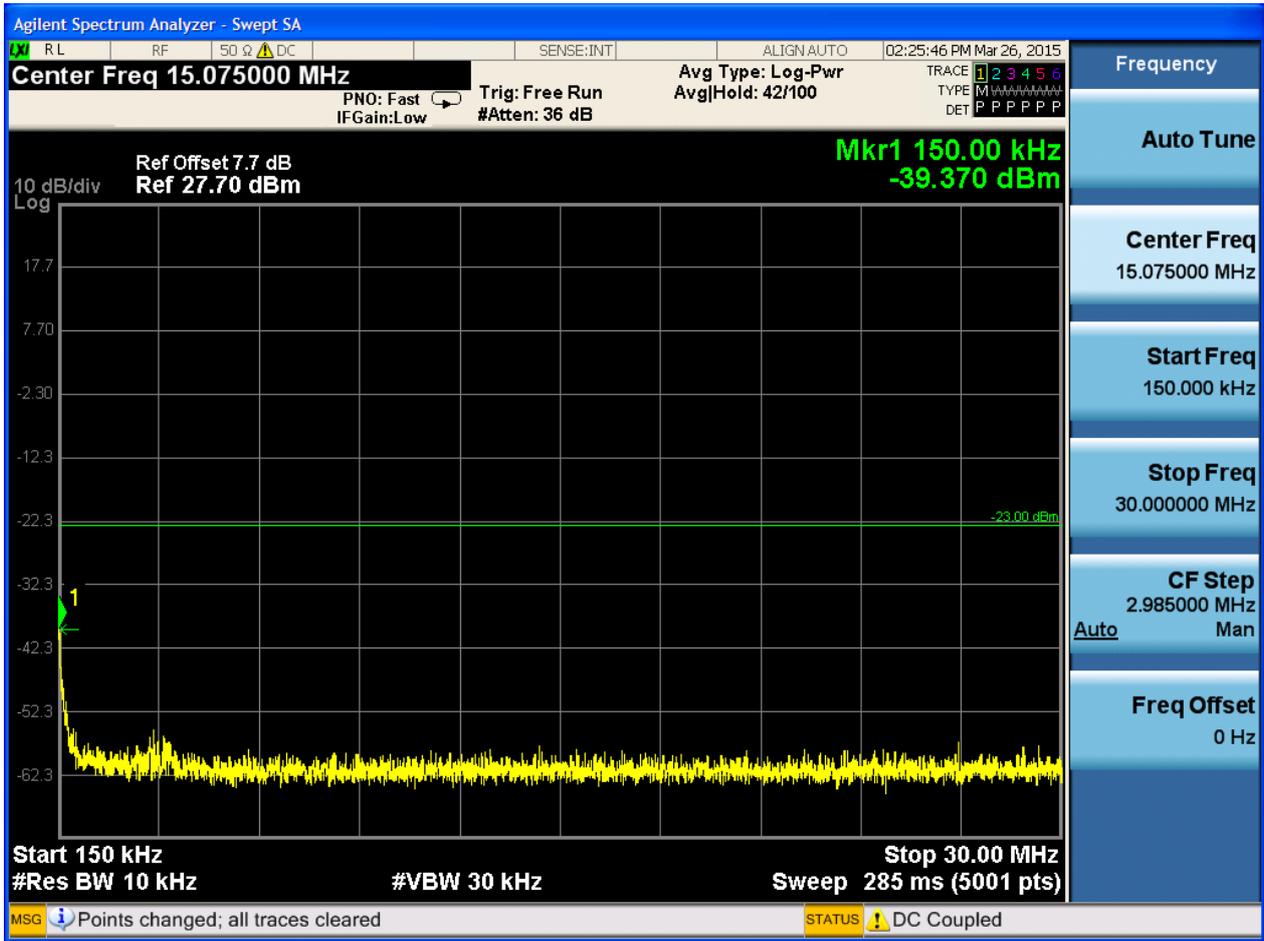


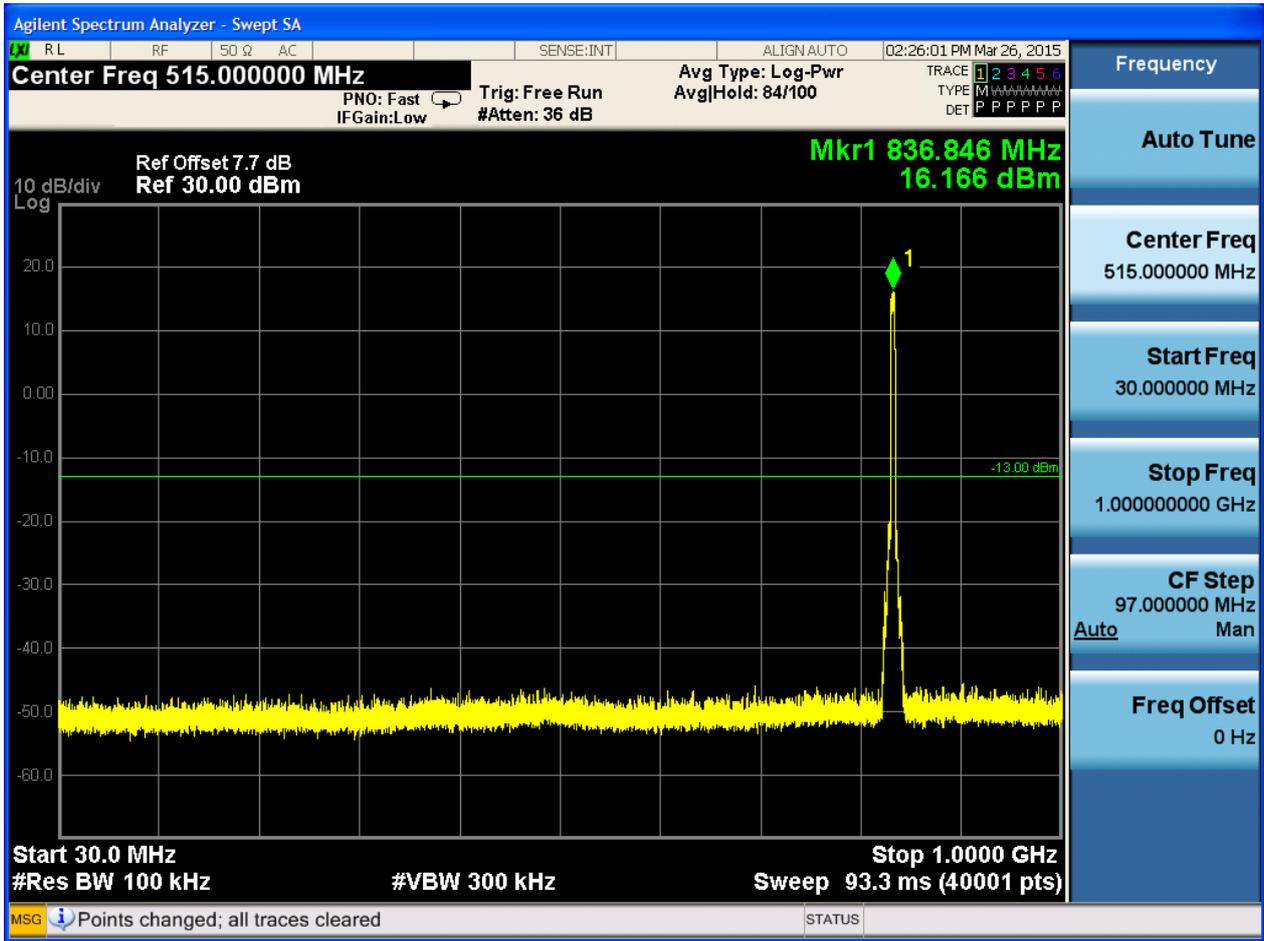


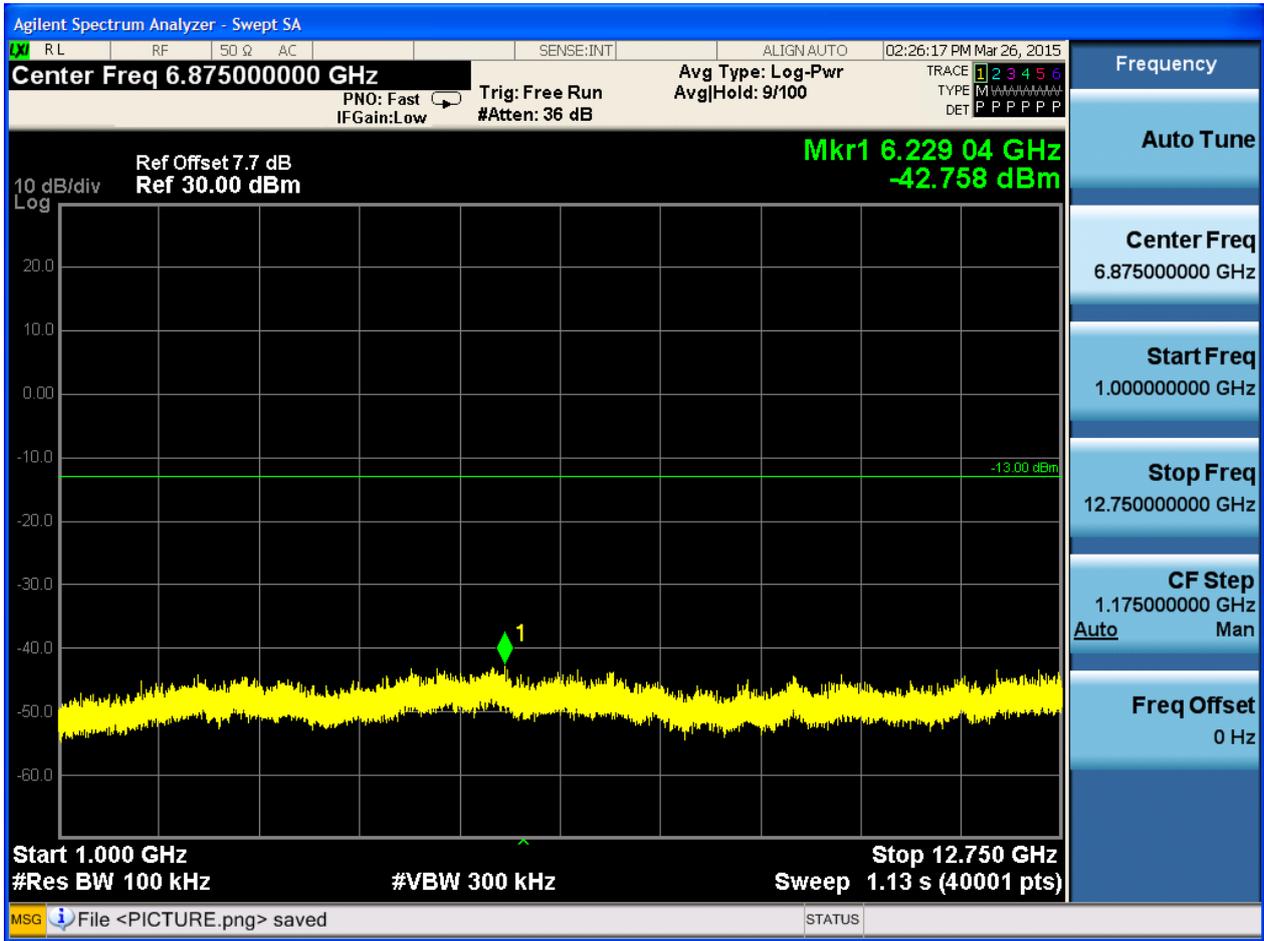


### 6.2.3.1.2 Test Channel = MCH



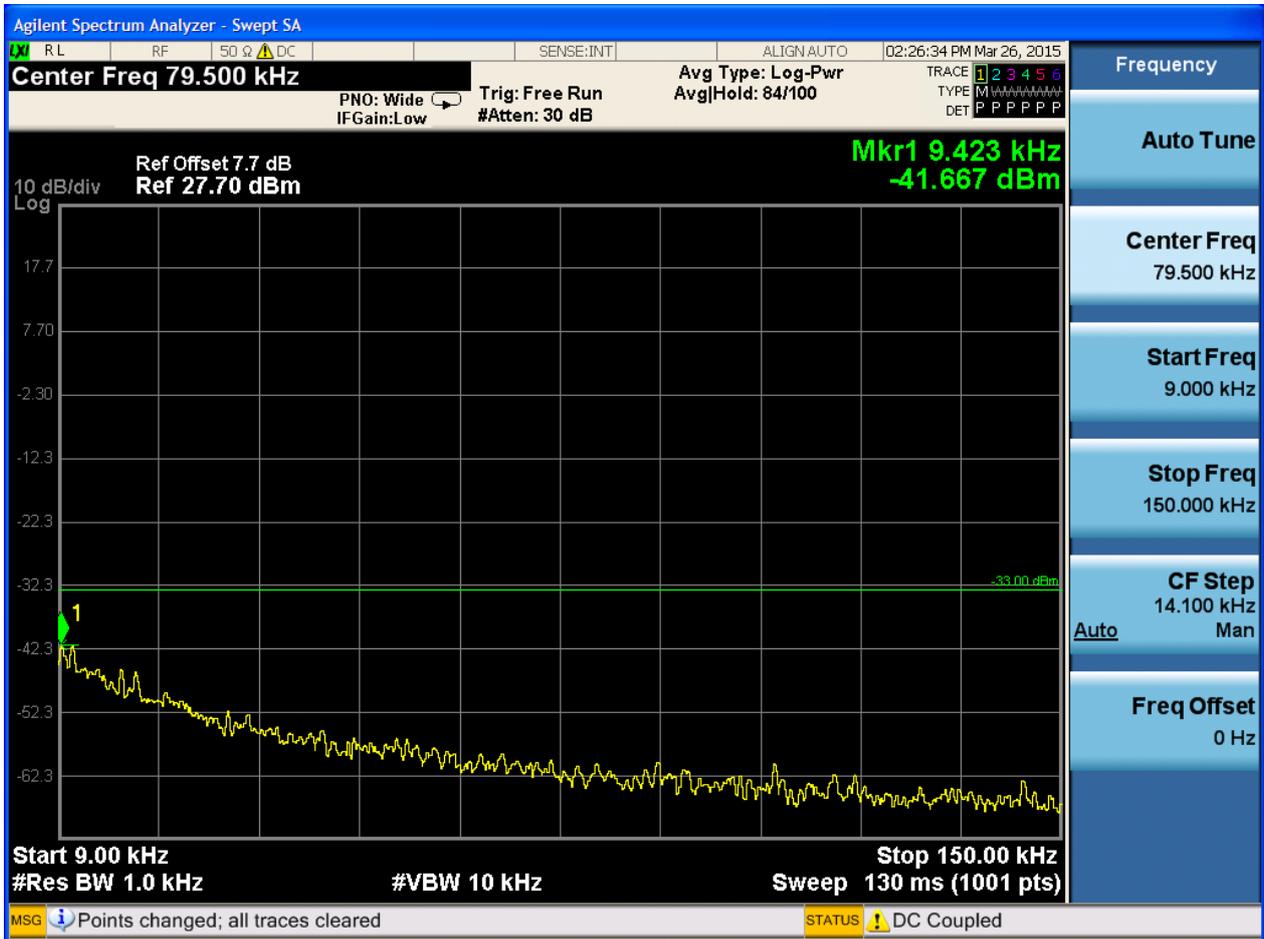


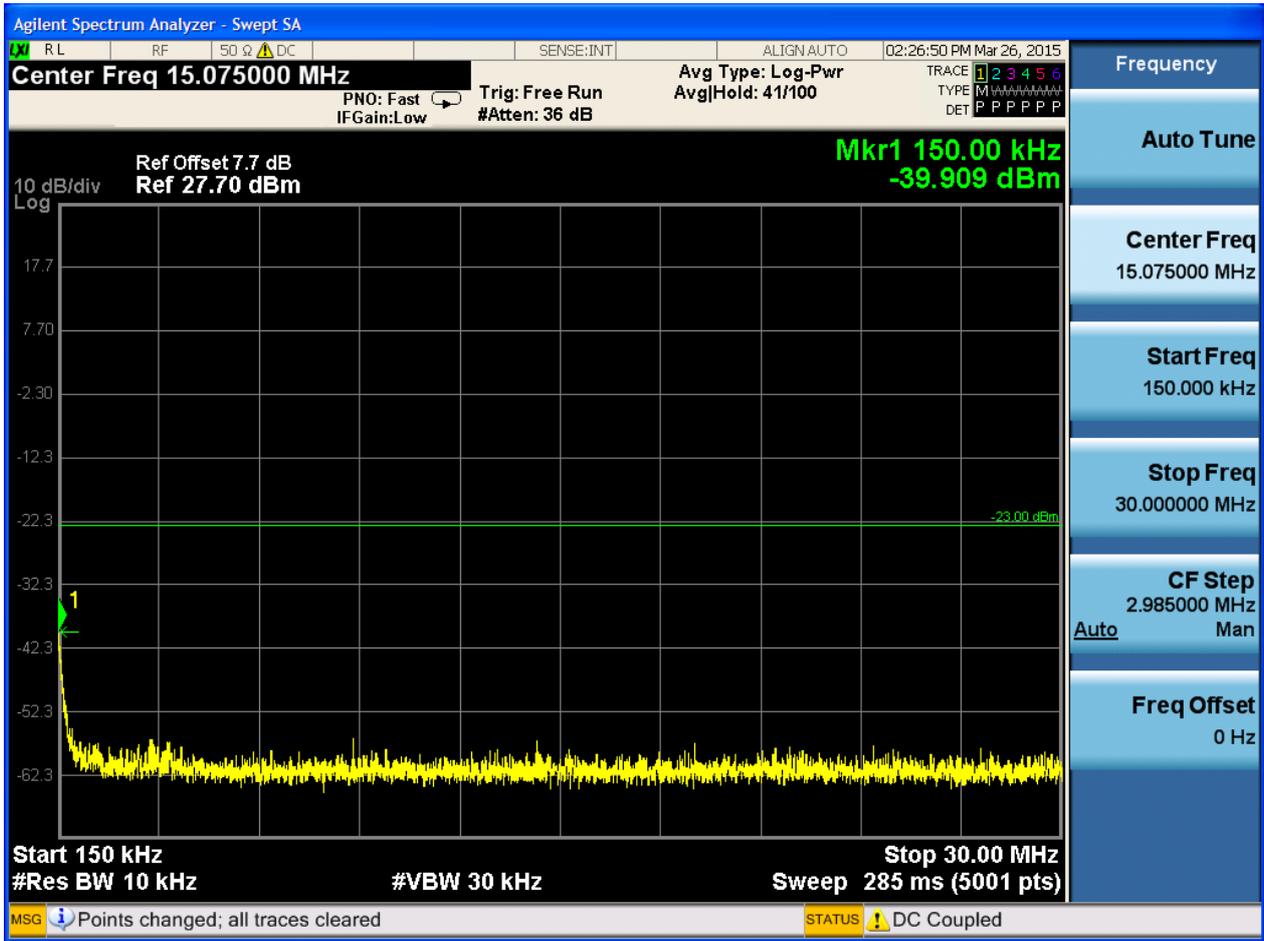


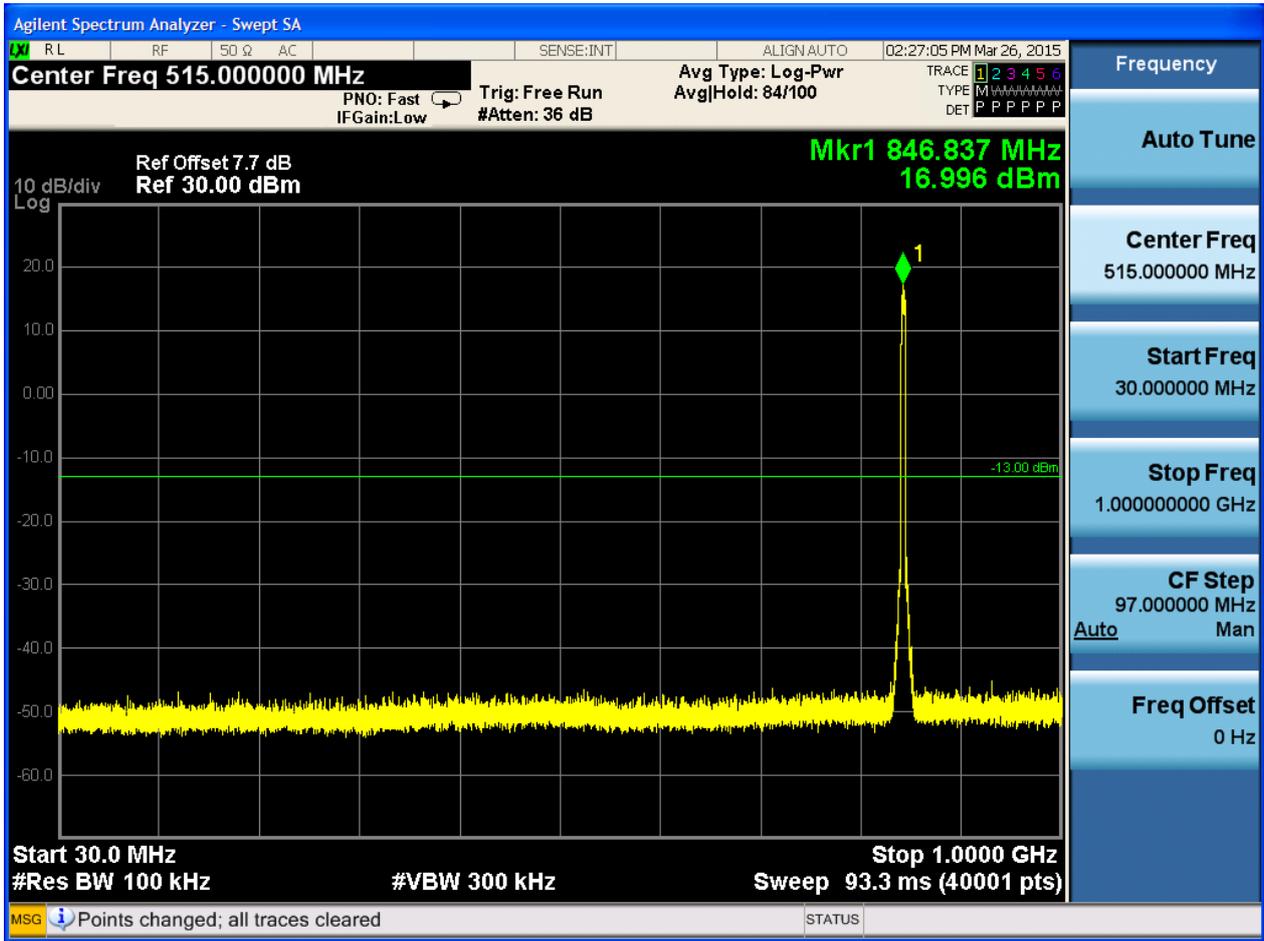




6.2.3.1.3 Test Channel = HCH









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

Note:

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

NOTE1: No peak found in the Test Range of “9 kHz to 30MHz”

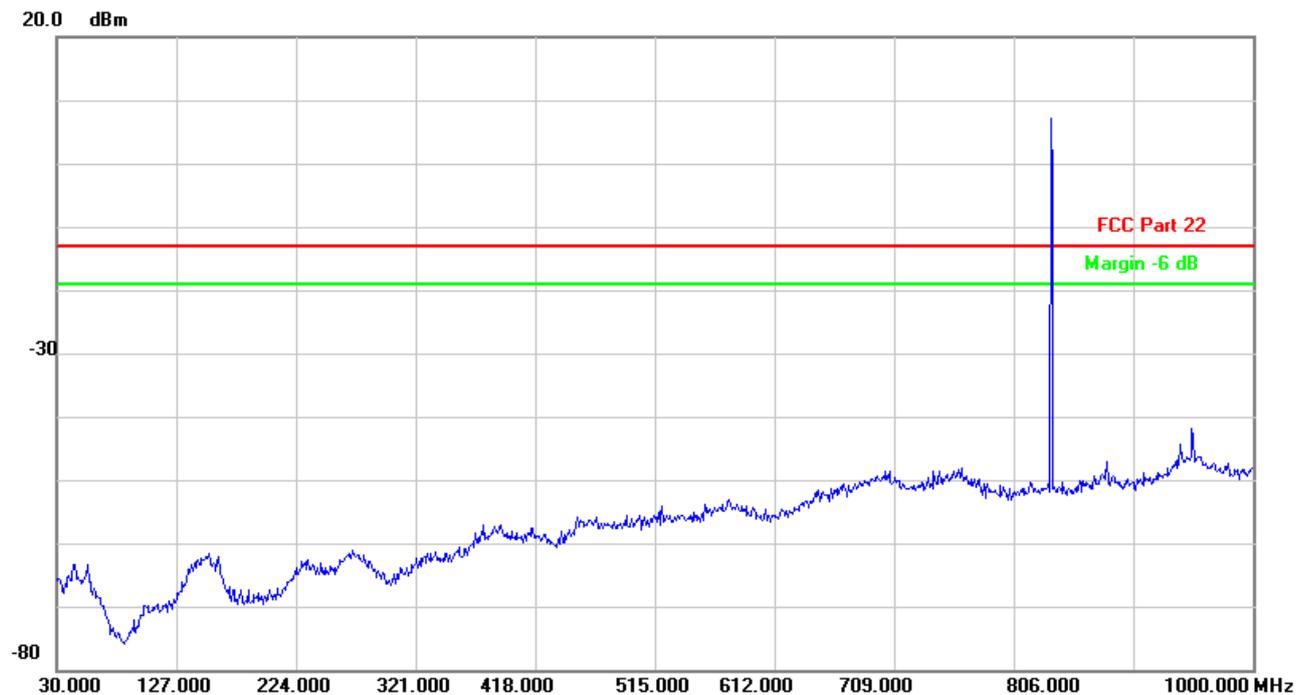
NOTE2: We tested all modes, but the data presented below is the worst case.

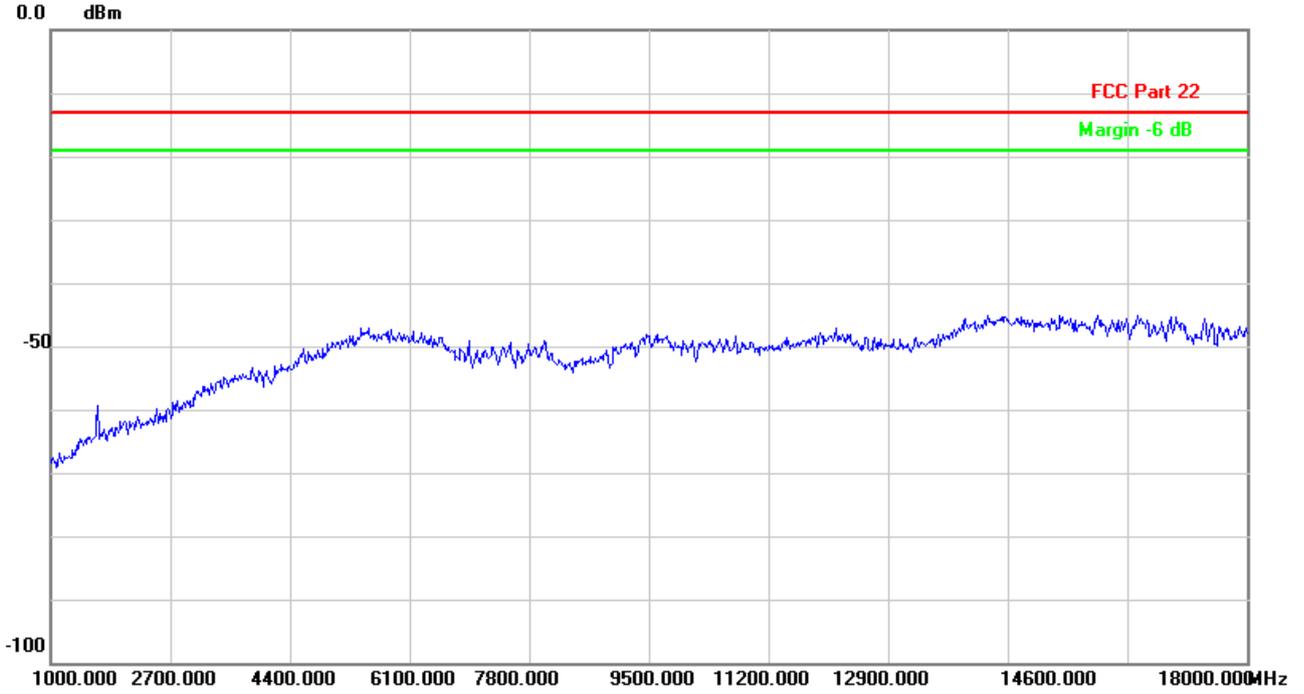
### Part I - Test Plots

#### 7.1 For GSM

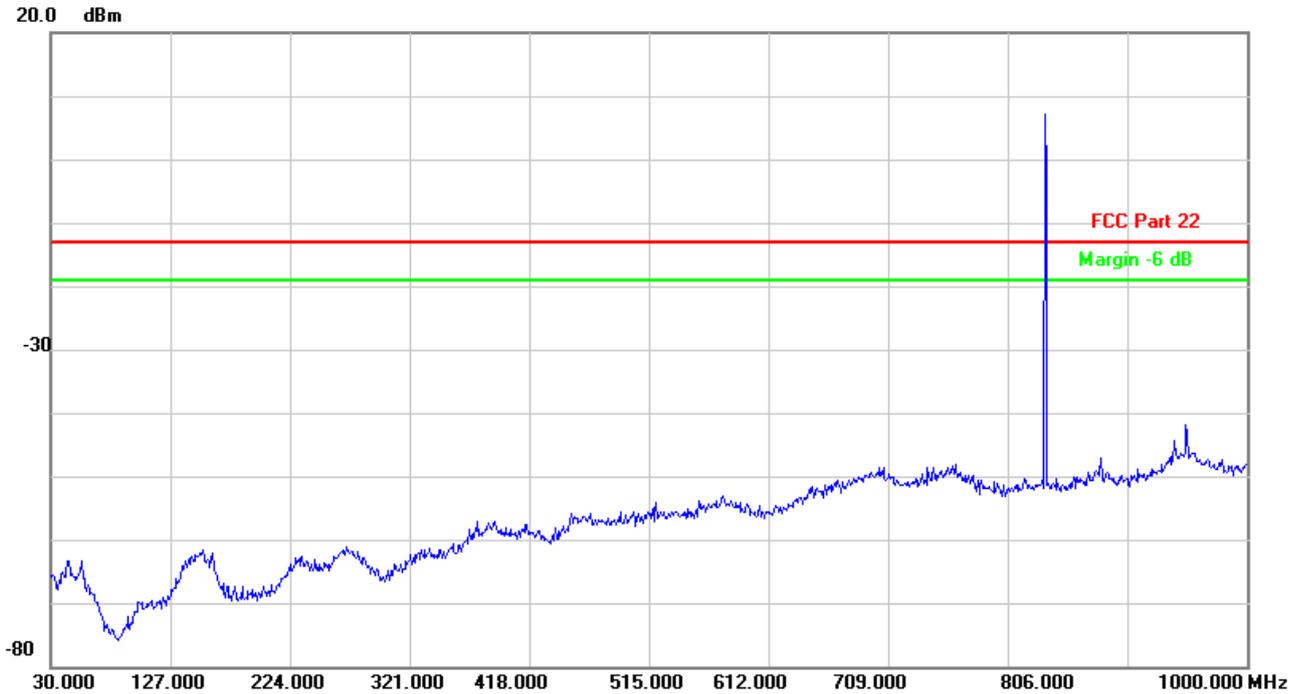
##### 7.1.1 Test Band = GSM850

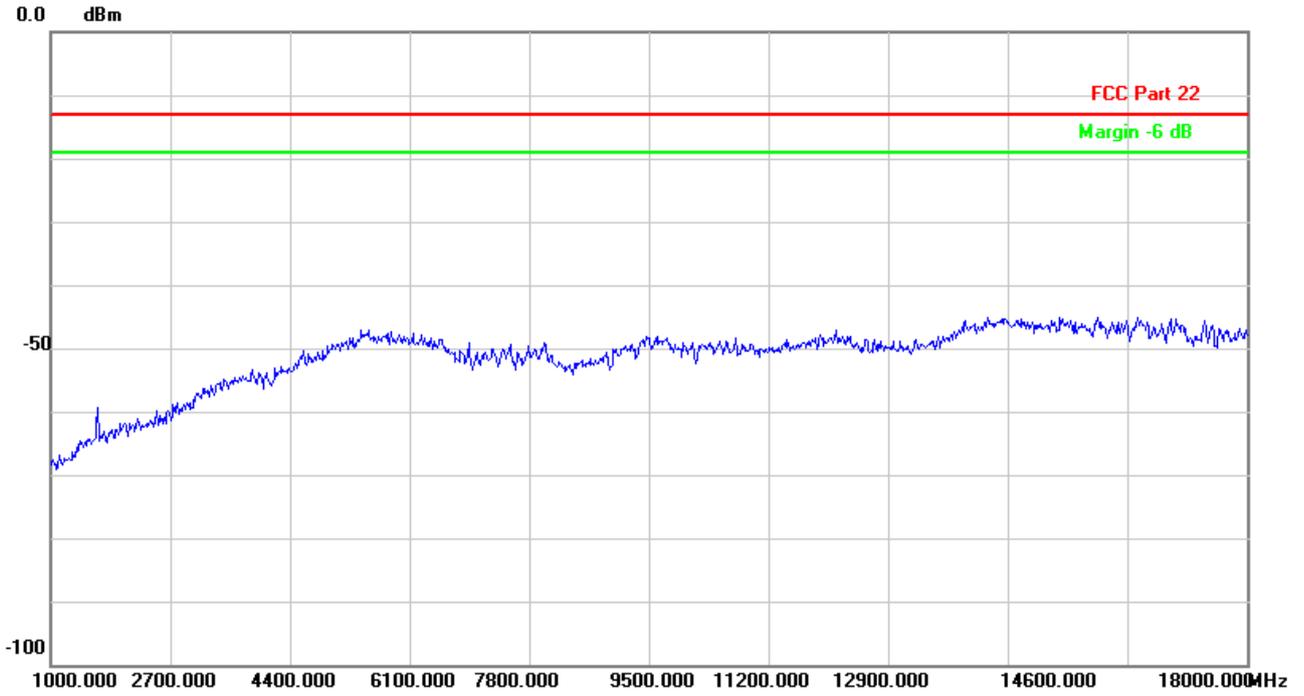
##### 7.1.1.1 Test Mode = GSM/TM1





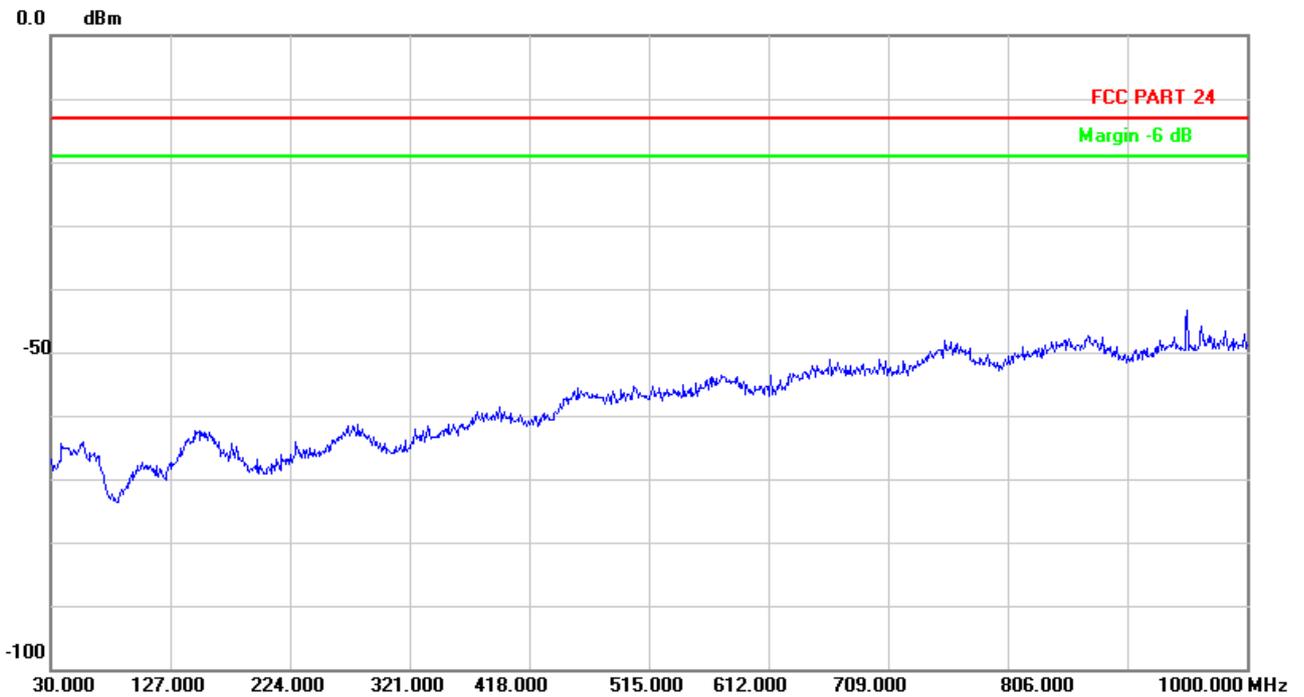
### 7.1.1.2 Test Mode = GSM/TM2

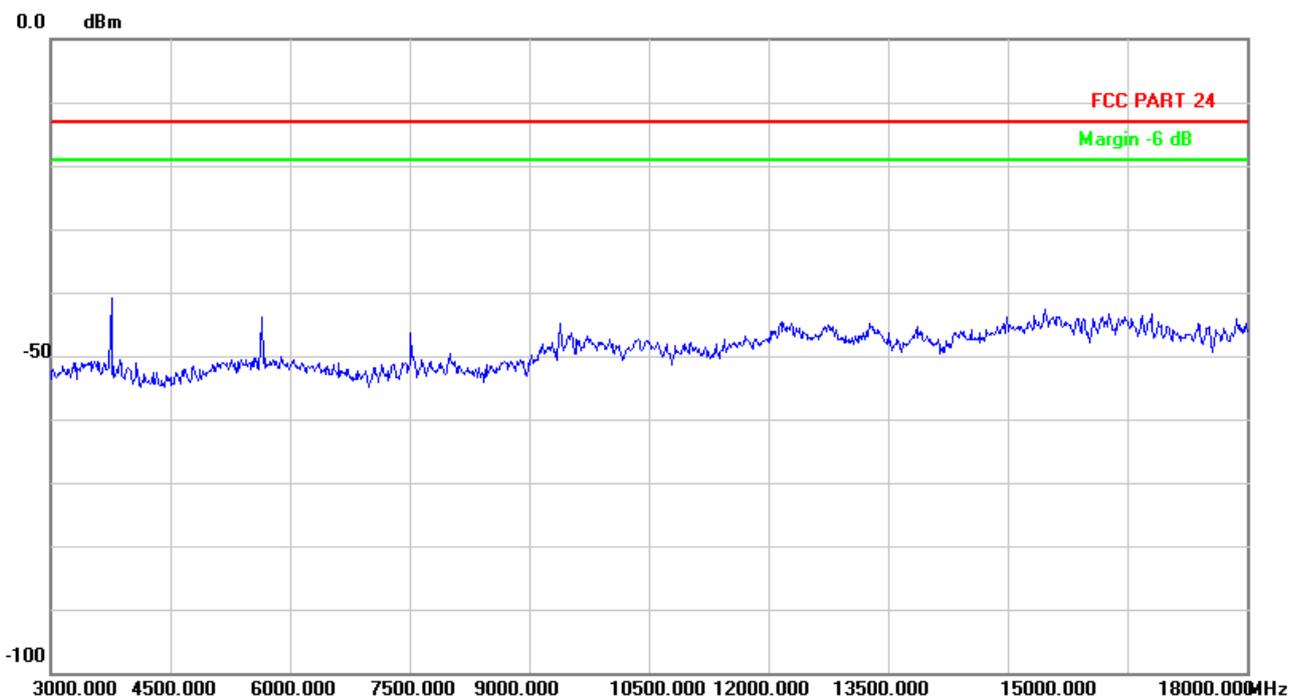
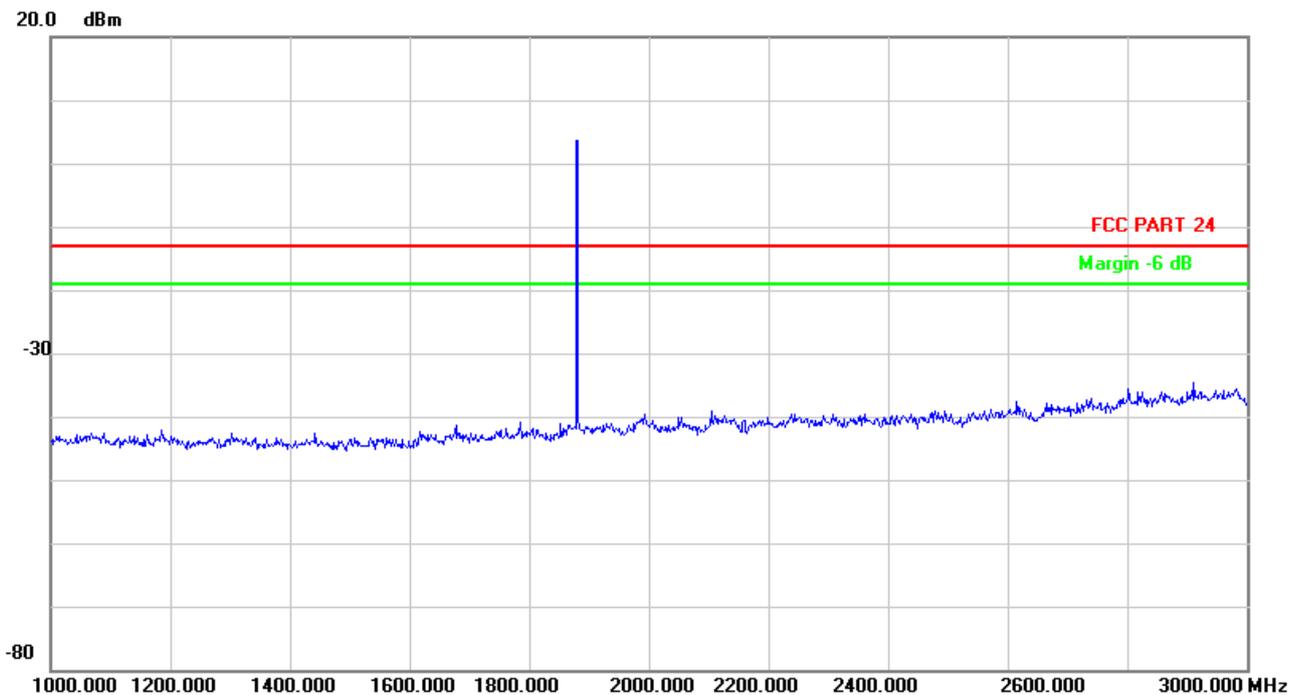


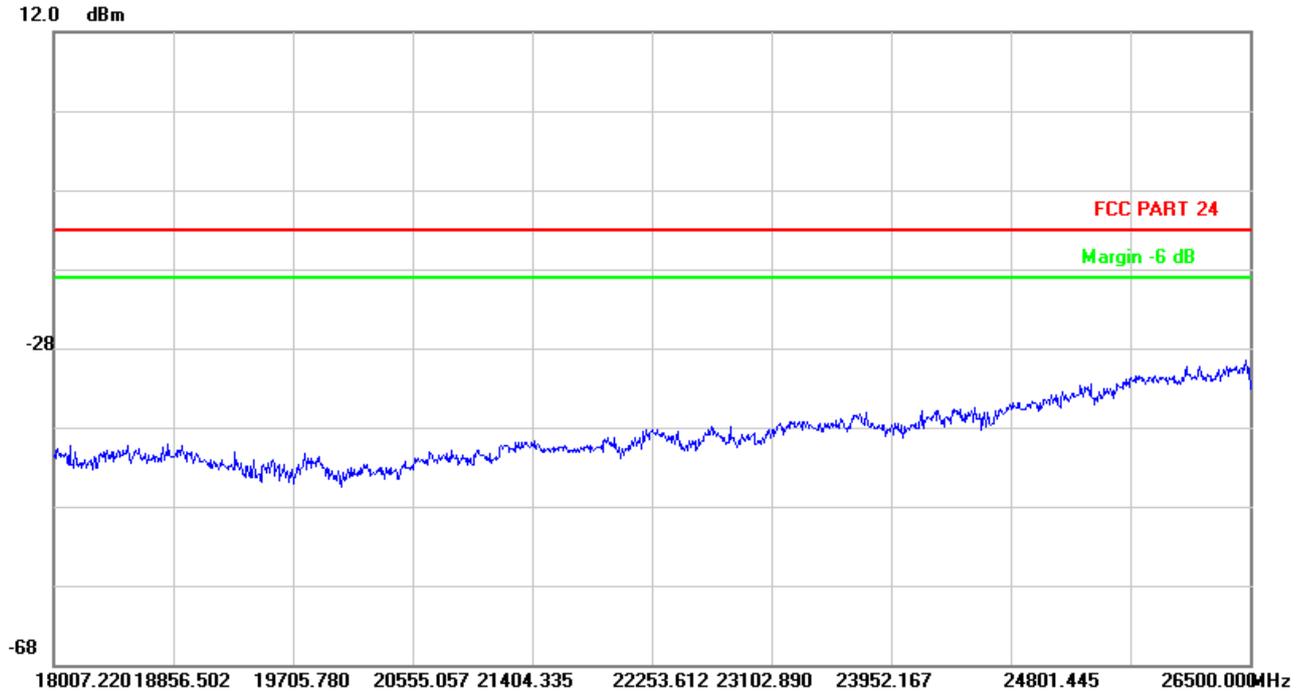


### 7.1.2 Test Band = GSM1900

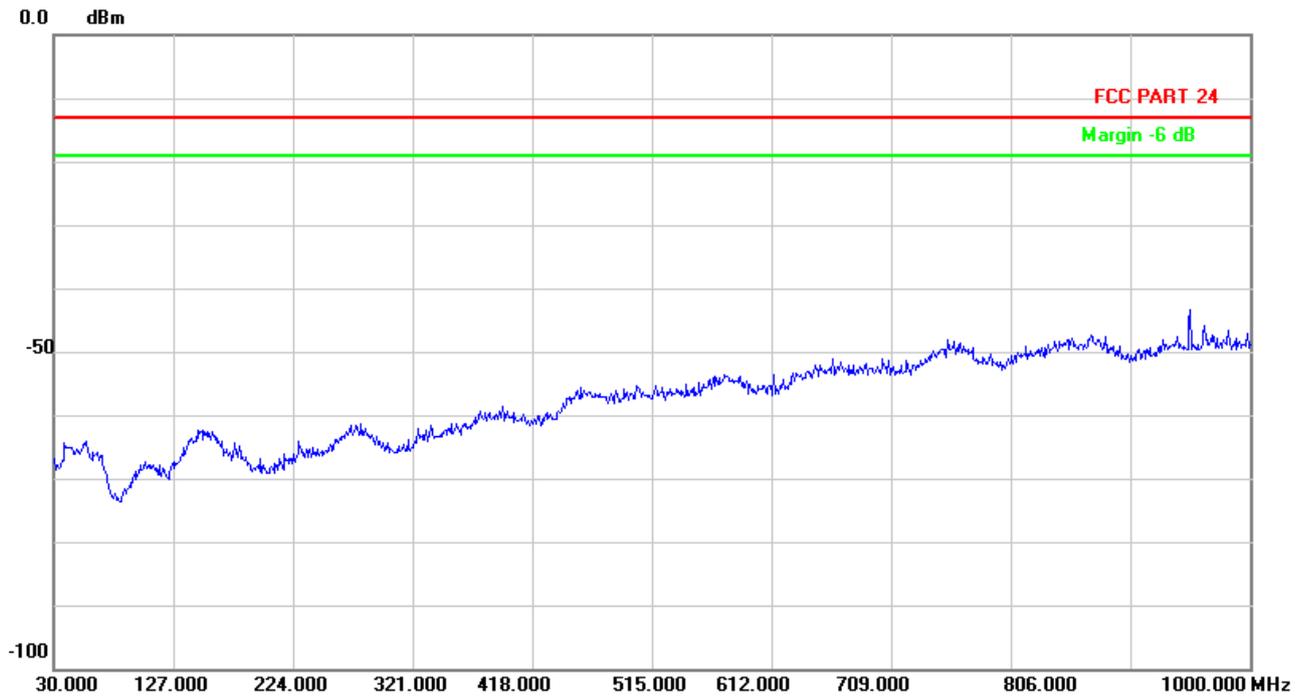
#### 7.1.2.1 Test Mode = GSM/TM1

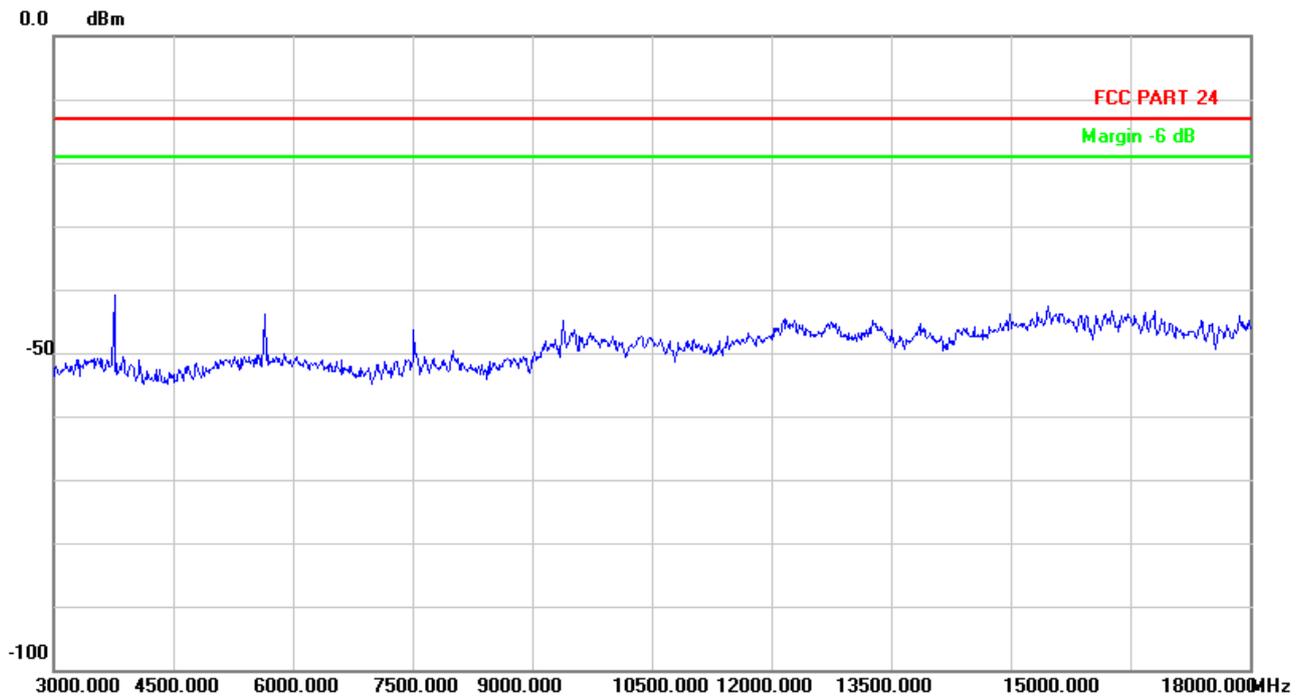
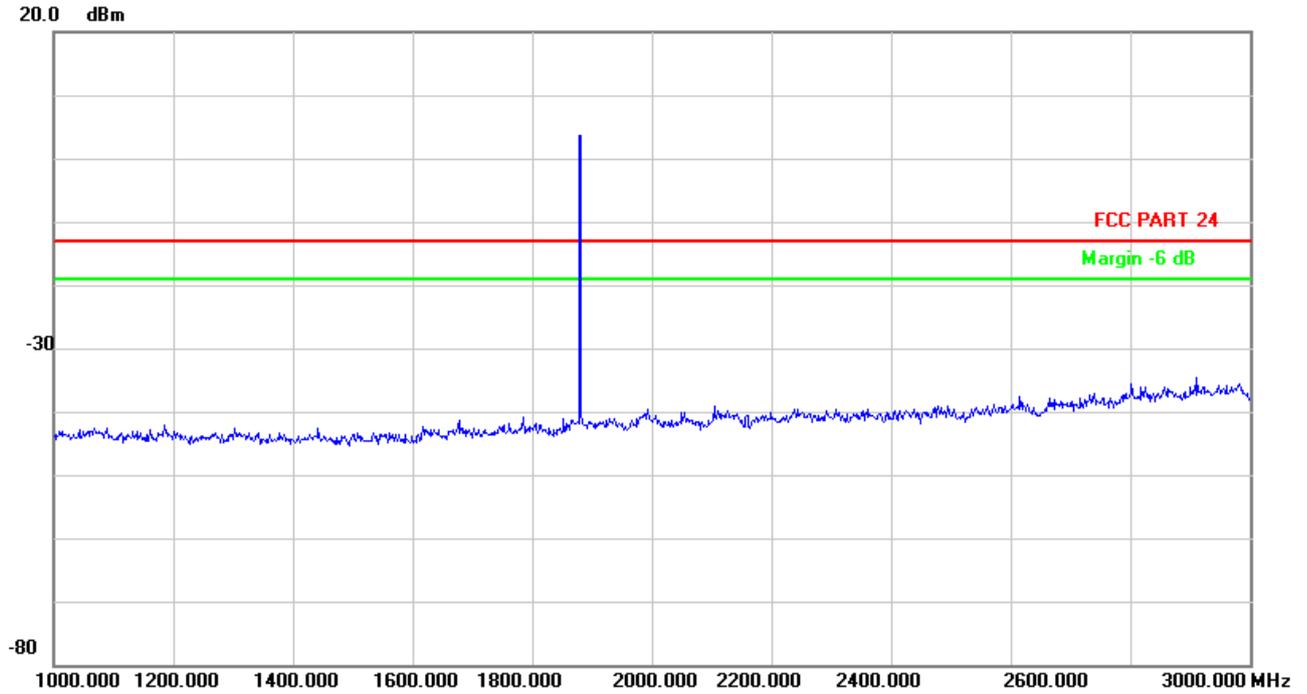


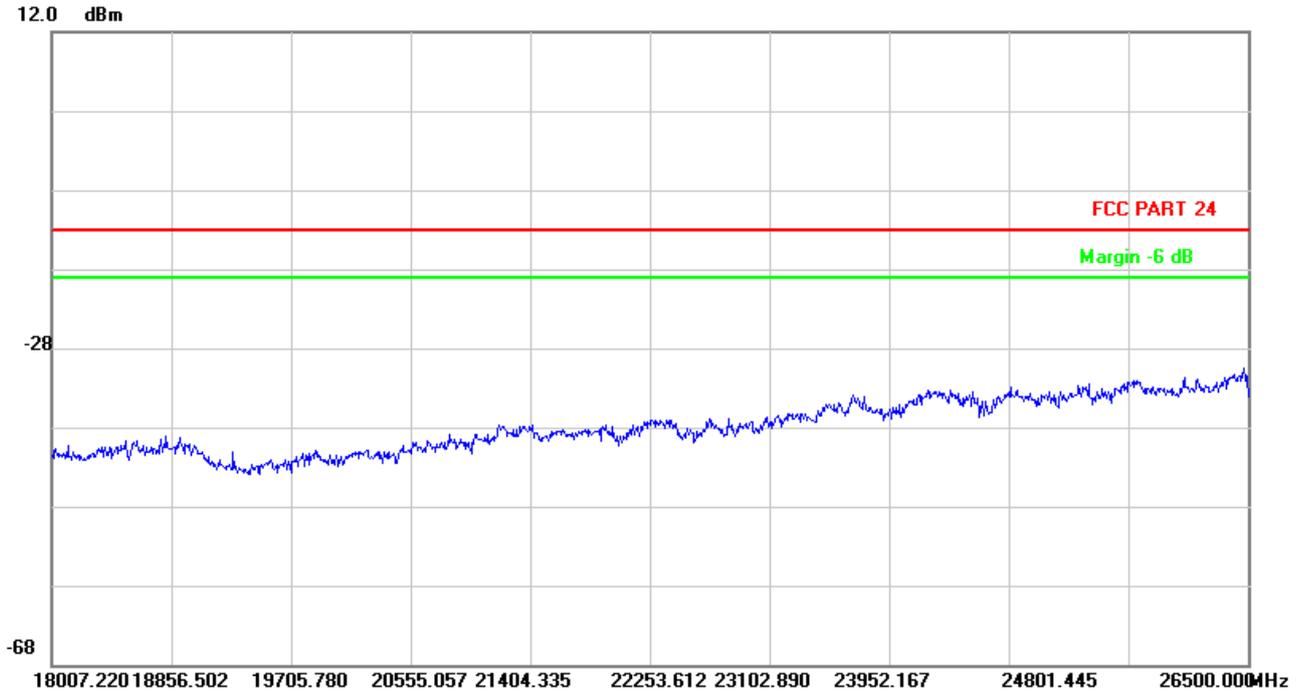




7.1.2.2 Test Mode = GSM/TM2



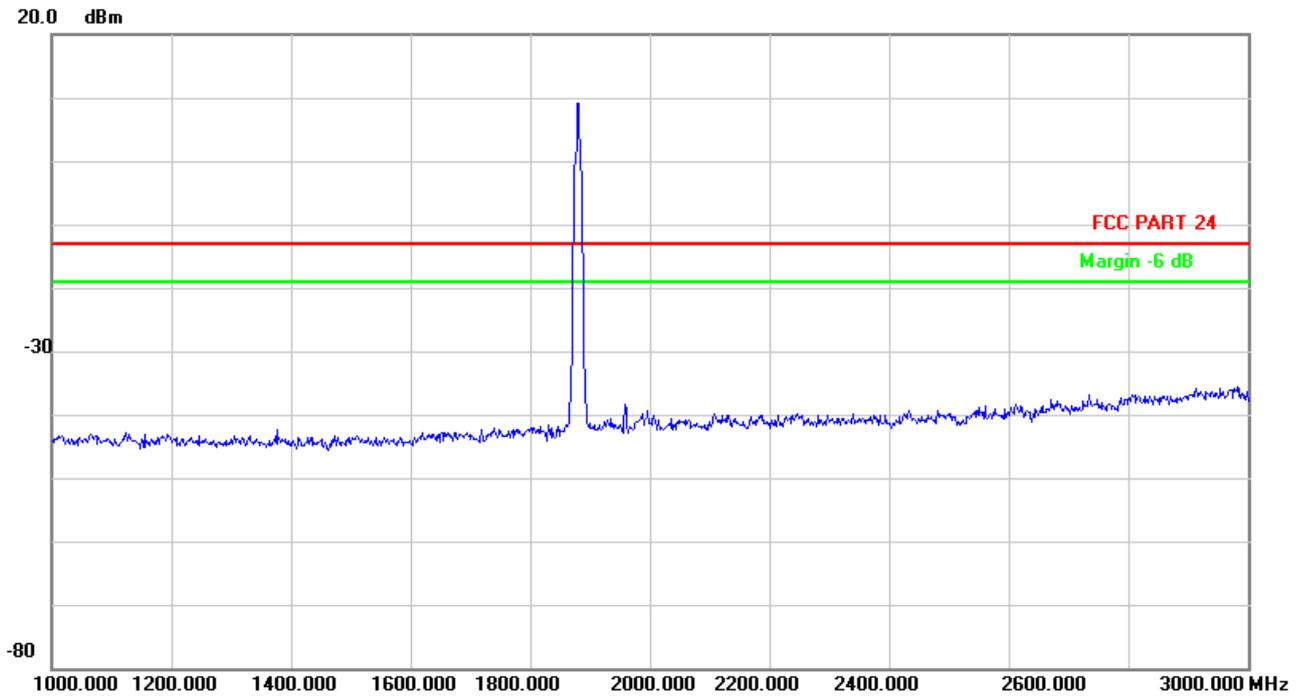
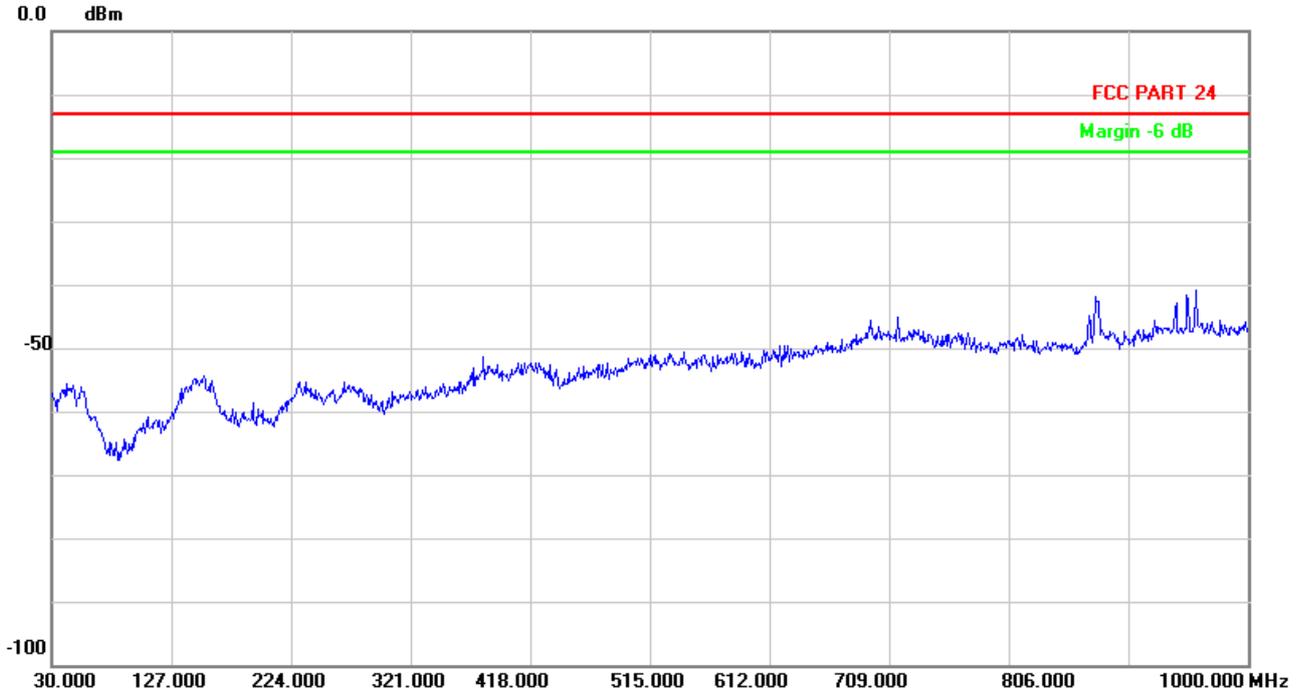


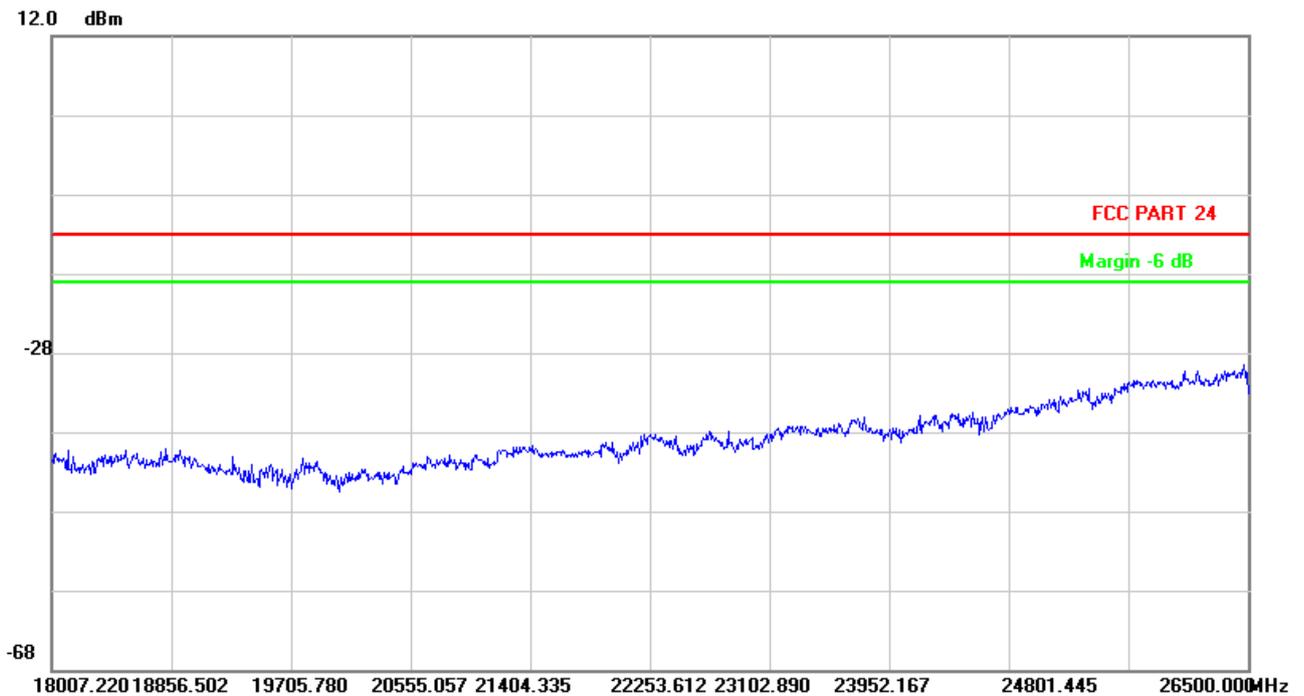
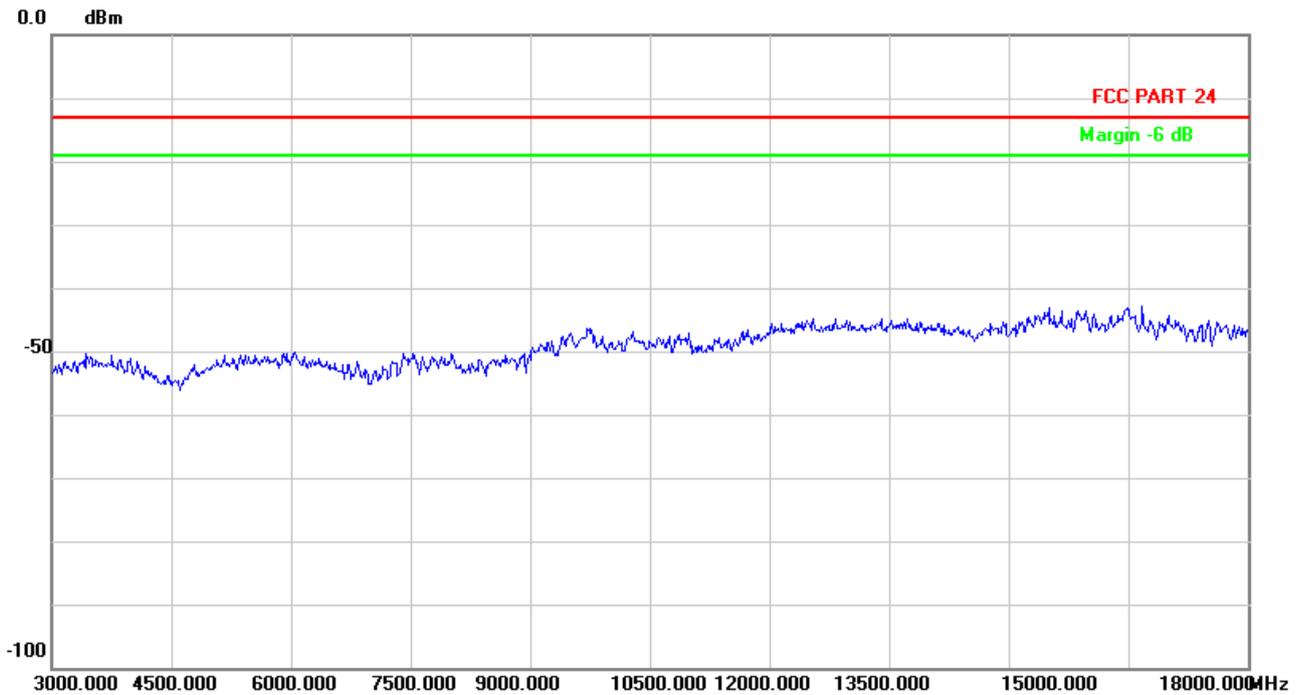


## 7.2 For UMTS

### 7.2.1 Test Band = WCDMA1900

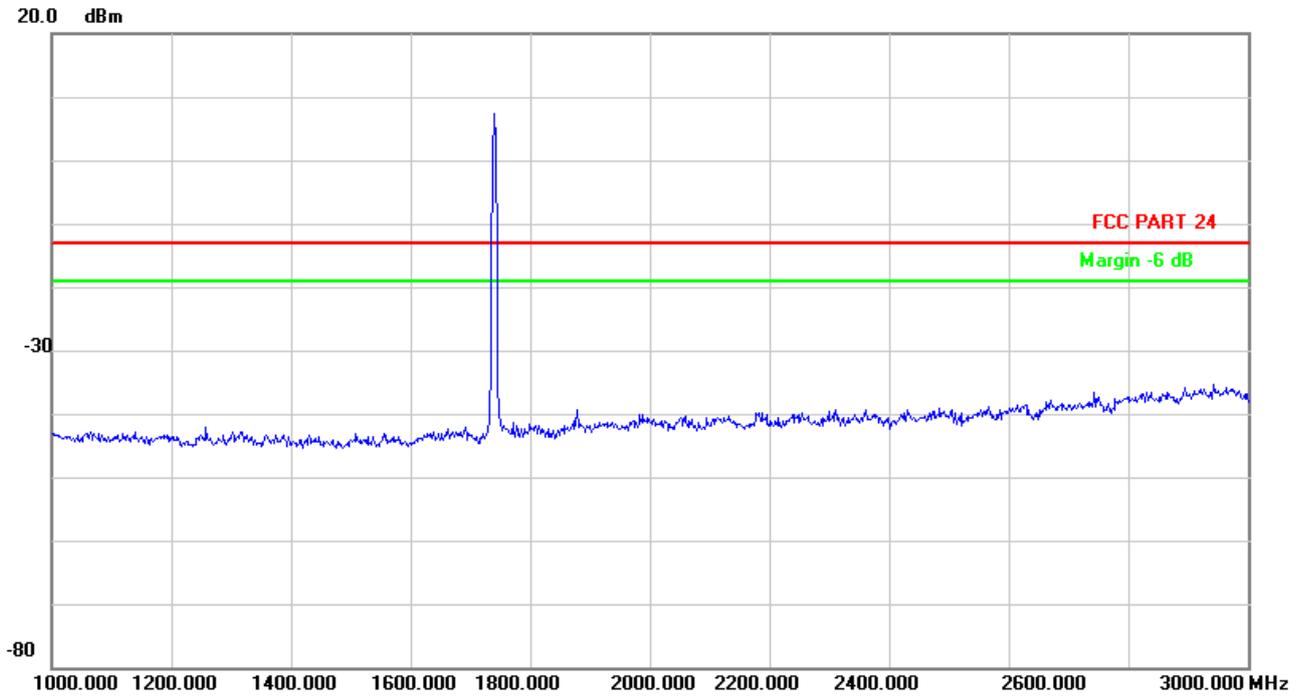
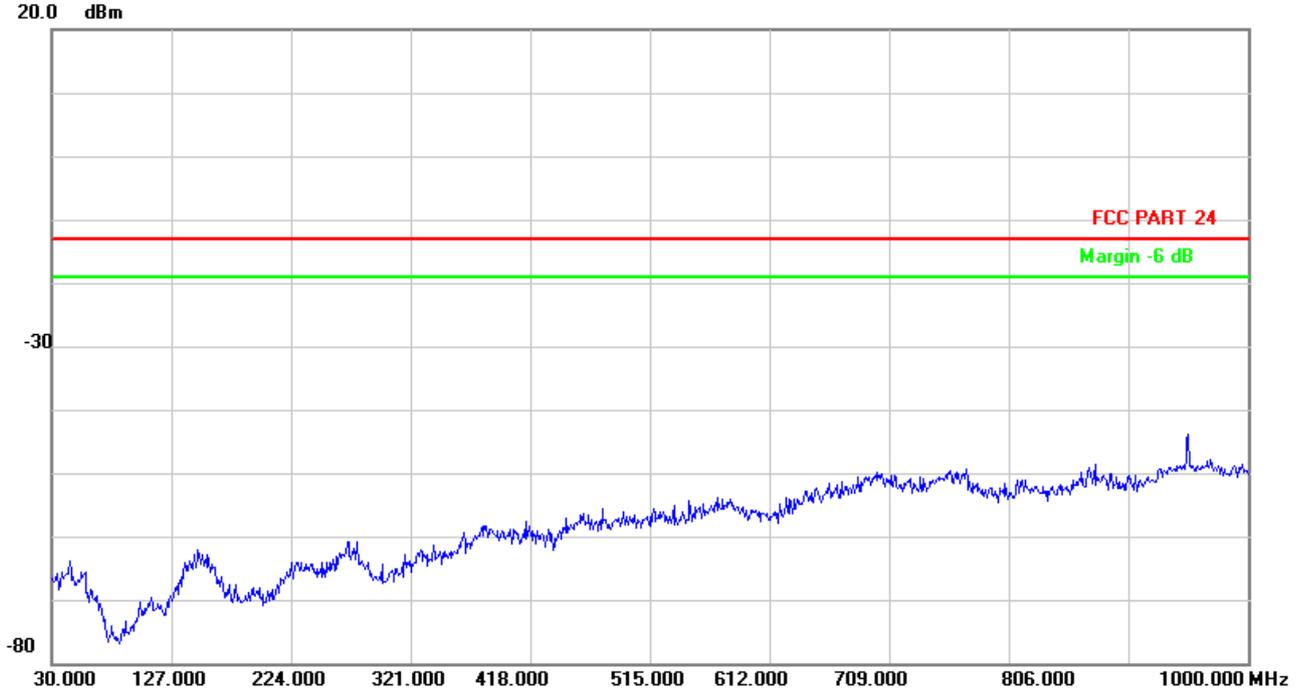
#### 7.2.1.1 Test Mode = UMTS/TM1

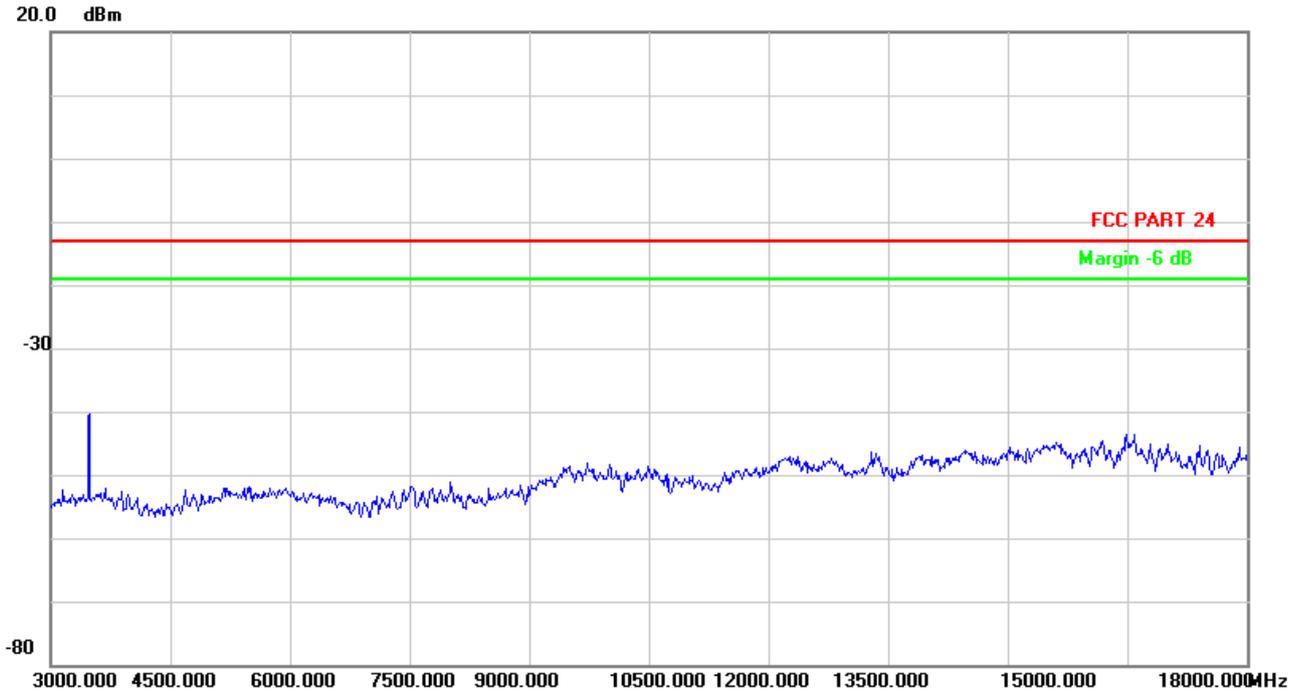




### 7.2.2 Test Band = WCDMA1700

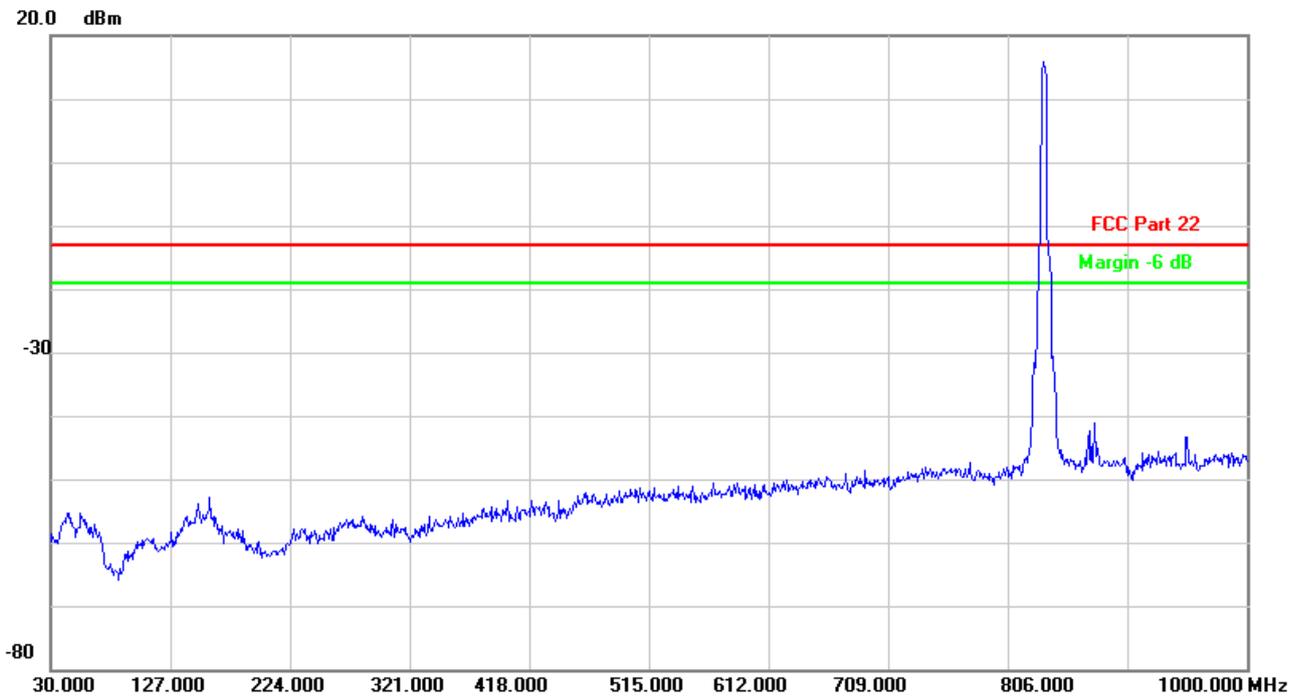
#### 7.2.2.1 Test Mode = UMTS/TM1

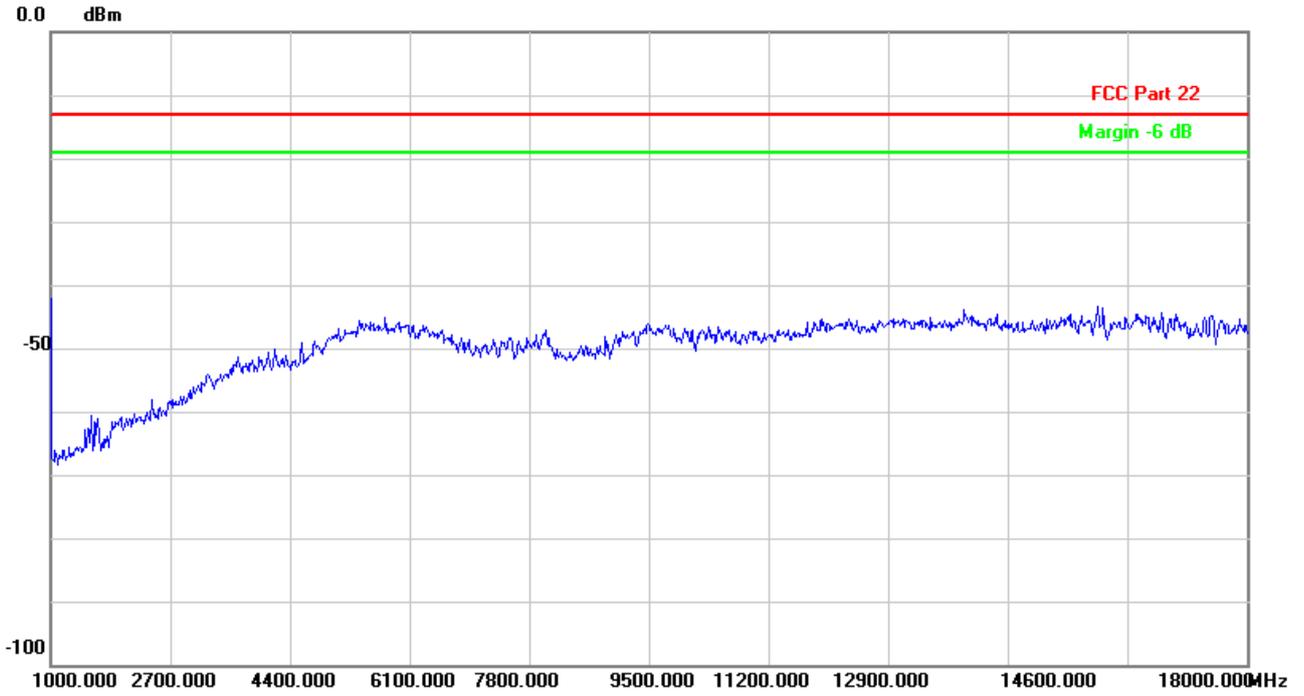




### 7.2.3 Test Band = WCDMA850

#### 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	-37.32	-0.04528	PASS
				VN	-32.74	-0.03972	PASS
				VH	-34.93	-0.04238	PASS
		MCH	TN	VL	-30.87	-0.0369	PASS
				VN	-35.32	-0.04222	PASS
				VH	-35.26	-0.04215	PASS
		HCH	TN	VL	-33.45	-0.03941	PASS
				VN	-34.03	-0.04009	PASS
				VH	-30.09	-0.03545	PASS
	GSM/TM2	LCH	TN	VL	-47.75	-0.05793	PASS
				VN	-34.71	-0.04211	PASS
				VH	-32.06	-0.0389	PASS
		MCH	TN	VL	-39.23	-0.04689	PASS
				VN	-48.78	-0.05831	PASS
				VH	-38.29	-0.04577	PASS
		HCH	TN	VL	-37.23	-0.04386	PASS
				VN	-40.84	-0.04811	PASS
				VH	-42.81	-0.05044	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-68.77	-0.03717	PASS
				VN	-70.84	-0.03829	PASS
				VH	-64.51	-0.03487	PASS
		MCH	TN	VL	-73.03	-0.03885	PASS
				VN	-73.61	-0.03915	PASS
				VH	-68.77	-0.03658	PASS
	HCH	TN	VL	-73.68	-0.03858	PASS	
			VN	-69.74	-0.03652	PASS	
			VH	-64.57	-0.03381	PASS	
	GSM/TM2	LCH	TN	VL	-61.41	-0.03319	PASS
				VN	-76.58	-0.04139	PASS
				VH	-69.51	-0.03757	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	-71.13	-0.03784	PASS
				VN	-67.83	-0.03608	PASS
				VH	-77.81	-0.04139	PASS
		HCH	TN	VL	-70.77	-0.03706	PASS
				VN	-72.35	-0.03788	PASS
				VH	-76.13	-0.03986	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	-35.51	-0.04308	PASS	
				-20	-33.32	-0.04043	PASS	
				-10	-37.39	-0.04537	PASS	
				0	-37.84	-0.04591	PASS	
				10	-35.06	-0.04254	PASS	
				20	-32.22	-0.03909	PASS	
				30	-31.64	-0.03839	PASS	
				40	-34.09	-0.04136	PASS	
				50	-34.93	-0.04238	PASS	
		MCH	VN	-30	-32.8	-0.03921	PASS	
				-20	-32.03	-0.03829	PASS	
				-10	-33.06	-0.03952	PASS	
				0	-29.9	-0.03574	PASS	
				10	-31.25	-0.03735	PASS	
				20	-33.19	-0.03967	PASS	
				30	-32.93	-0.03936	PASS	
				40	-32.48	-0.03882	PASS	
				50	-34.68	-0.04145	PASS	
		HCH	VN	-30	-35.13	-0.04139	PASS	
				-20	-32.03	-0.03774	PASS	
				-10	-32.29	-0.03804	PASS	
				0	-32.67	-0.03849	PASS	
				10	-31.25	-0.03682	PASS	
				20	-32.22	-0.03796	PASS	
				30	-31.38	-0.03697	PASS	
				40	-31.06	-0.03659	PASS	
				50	-31.25	-0.03682	PASS	
		GSM/TM2	LCH	VN	-30	-38.52	-0.04674	PASS
					-20	-33.35	-0.04046	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				-10	-39.78	-0.04826	PASS		
				0	-39.74	-0.04822	PASS		
				10	-36.94	-0.04482	PASS		
				20	-37.74	-0.04579	PASS		
				30	-31.64	-0.03839	PASS		
				40	-43.04	-0.05222	PASS		
				50	-38.71	-0.04697	PASS		
		MCH	VN			-30	-39.74	-0.0475	PASS
						-20	-38.26	-0.04573	PASS
						-10	-43.97	-0.05256	PASS
						0	-41.94	-0.05013	PASS
						10	-37.68	-0.04504	PASS
						20	-44.2	-0.05283	PASS
						30	-44.75	-0.05349	PASS
						40	-41.68	-0.04982	PASS
						50	-38.9	-0.0465	PASS
		HCH	VN			-30	-46.75	-0.05508	PASS
						-20	-46.14	-0.05436	PASS
						-10	-39.94	-0.04705	PASS
						0	-38.55	-0.04542	PASS
						10	-45.26	-0.05332	PASS
						20	-42.91	-0.05055	PASS
						30	-40.65	-0.04789	PASS
						40	-45.75	-0.0539	PASS
						50	-45.43	-0.05352	PASS
		GSM1900	GSM/TM1	LCH	VN	-30	-63.86	-0.03452	PASS
						-20	-64.44	-0.03483	PASS
-10	-67.99					-0.03675	PASS		
0	-70.25					-0.03797	PASS		
10	-65.86					-0.0356	PASS		
20	-66.7					-0.03605	PASS		
30	-61.08					-0.03301	PASS		
40	-71.61					-0.0387	PASS		
50	-69.03					-0.03731	PASS		
MCH	VN					-30	-67.99	-0.03616	PASS
						-20	-74.06	-0.03939	PASS
						-10	-70.51	-0.03751	PASS
						0	-68.19	-0.03627	PASS
						10	-71.55	-0.03806	PASS
						20	-69.74	-0.0371	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
				30	-76.84	-0.04087	PASS						
				40	-67.74	-0.03603	PASS						
				50	-72.32	-0.03847	PASS						
		HCH	VN			-30	-68.7	-0.03597	PASS				
						-20	-67.41	-0.0353	PASS				
						-10	-65.86	-0.03449	PASS				
						0	-70.58	-0.03696	PASS				
						10	-70.19	-0.03675	PASS				
						20	-68.25	-0.03574	PASS				
						30	-62.44	-0.03269	PASS				
						40	-70.77	-0.03706	PASS				
						50	-71.22	-0.03729	PASS				
						GSM/TM2	LCH	VN		-30	-64.22	-0.03471	PASS
										-20	-73.1	-0.03951	PASS
										-10	-68.99	-0.03729	PASS
	0	-72.19	-0.03902	PASS									
	10	-67.15	-0.03629	PASS									
	20	-68.41	-0.03697	PASS									
	30	-81.26	-0.04392	PASS									
	40	-70.54	-0.03813	PASS									
	50	-73.64	-0.0398	PASS									
	MCH	VN			-30		-78.84	-0.04194	PASS				
					-20		-71.25	-0.0379	PASS				
					-10		-63.54	-0.0338	PASS				
					0		-72.09	-0.03835	PASS				
					10		-74.45	-0.0396	PASS				
					20		-69.8	-0.03713	PASS				
	HCH	VN			30	-74.35	-0.03955	PASS					
					40	-72.84	-0.03874	PASS					
					50	-77.03	-0.04097	PASS					
					-30	-71.97	-0.03768	PASS					
					-20	-72.26	-0.03784	PASS					
					-10	-76.45	-0.04003	PASS					
					0	-76.23	-0.03992	PASS					
					10	-74.23	-0.03887	PASS					
					20	-73.71	-0.0386	PASS					
30	-79.23	-0.04149	PASS										
40	-84.72	-0.04436	PASS										
50	-78.13	-0.04091	PASS										



8.2 For UMTS

8.2.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA1900	UMTS/TM1	LCH	TN	VL	-6.13	-0.00331	PASS
				VN	0.99	0.00053	PASS
				VH	-1.31	-0.00071	PASS
		MCH	TN	VL	3.2	0.0017	PASS
				VN	6.45	0.00343	PASS
				VH	-1.6	-0.00085	PASS
		HCH	TN	VL	-7.9	-0.00414	PASS
				VN	-0.21	-0.00011	PASS
				VH	0.41	0.00021	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	4.24	0.00248	PASS
				VN	3.51	0.00205	PASS
				VH	0.09	0.00005	PASS
		MCH	TN	VL	-1.34	-0.00077	PASS
				VN	2.53	0.00146	PASS
				VH	2.04	0.00118	PASS
		HCH	TN	VL	7.89	0.0045	PASS
				VN	3.78	0.00216	PASS
				VH	3.62	0.00207	PASS
WCDMA850	UMTS/TM1	LCH	TN	VL	-6.81	-0.00824	PASS
				VN	-0.4	-0.00048	PASS
				VH	2.33	0.00282	PASS
		MCH	TN	VL	5.89	0.00704	PASS
				VN	3.94	0.00471	PASS
				VH	-4.49	-0.00537	PASS
		HCH	TN	VL	4.03	0.00476	PASS
				VN	5.81	0.00686	PASS
				VH	1.17	0.00138	PASS

8.2.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA1900	UMTS/TM1	LCH	VN	-30	-6.04	-0.00326	PASS
				-20	-0.2	-0.00011	PASS
				-10	-1.37	-0.00074	PASS
				0	13.2	0.00713	PASS
				10	1.77	0.00096	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
				20	-1.17	-0.00063	PASS						
				30	-1.05	-0.00057	PASS						
				40	2.4	0.0013	PASS						
				50	-2.78	-0.0015	PASS						
		MCH	VN			-30	0.93	0.00049	PASS				
						-20	-4.94	-0.00263	PASS				
						-10	-0.14	-0.00007	PASS				
						0	3.3	0.00176	PASS				
						10	-4.84	-0.00257	PASS				
						20	-1.83	-0.00097	PASS				
						30	-3.46	-0.00184	PASS				
						40	-5.08	-0.0027	PASS				
						50	-3.33	-0.00177	PASS				
		HCH	VN			-30	-6.32	-0.00331	PASS				
						-20	-1.74	-0.00091	PASS				
						-10	-6.1	-0.0032	PASS				
						0	-2.44	-0.00128	PASS				
						10	-1.71	-0.0009	PASS				
						20	10.15	0.00532	PASS				
						30	1.19	0.00062	PASS				
						40	-5.04	-0.00264	PASS				
						50	-4.73	-0.00248	PASS				
		WCDMA1700	UMTS/TM1	LCH	VN								
										-30	2.72	0.00159	PASS
										-20	3.14	0.00183	PASS
										-10	1.17	0.00068	PASS
										0	-4.52	-0.00264	PASS
10	1.77									0.00103	PASS		
20	1.43									0.00084	PASS		
30	-3.51									-0.00205	PASS		
40	-1.04									-0.00061	PASS		
50	-4.65									-0.00272	PASS		
MCH	VN												
										-30	1.86	0.00107	PASS
										-20	1.02	0.00059	PASS
										-10	5.97	0.00345	PASS
										0	-0.64	-0.00037	PASS
										10	0.09	0.00005	PASS
										20	1.8	0.00104	PASS
										30	-1.1	-0.00063	PASS
										40	6.52	0.00376	PASS
										50	1.25	0.00072	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		HCH	VN	-30	0.34	0.00019	PASS
				-20	1.83	0.00104	PASS
				-10	2.96	0.00169	PASS
				0	-1.75	-0.001	PASS
				10	-0.29	-0.00017	PASS
				20	-2.85	-0.00163	PASS
				30	2.9	0.00165	PASS
				40	3.88	0.00221	PASS
				50	2.18	0.00124	PASS
WCDMA850	UMTS/TM1	LCH	VN	-30	-4.36	-0.00528	PASS
				-20	-0.14	-0.00017	PASS
				-10	0.35	0.00042	PASS
				0	1.33	0.00161	PASS
				10	-1.75	-0.00212	PASS
				20	1.01	0.00122	PASS
				30	-0.34	-0.00041	PASS
				40	-0.37	-0.00045	PASS
				50	-0.15	-0.00018	PASS
		MCH	VN	-30	4.01	0.00479	PASS
				-20	7.34	0.00878	PASS
				-10	-2.76	-0.0033	PASS
				0	1.5	0.00179	PASS
				10	0.92	0.0011	PASS
				20	0.53	0.00063	PASS
				30	-0.9	-0.00108	PASS
				40	-2.62	-0.00313	PASS
				50	0.52	0.00062	PASS
		HCH	VN	-30	4.43	0.00523	PASS
				-20	-1.94	-0.00229	PASS
				-10	-1.6	-0.00189	PASS
				0	5	0.00591	PASS
				10	3.65	0.00431	PASS
				20	1.5	0.00177	PASS
				30	-0.87	-0.00103	PASS
				40	-3.51	-0.00415	PASS
				50	1.21	0.00143	PASS

END