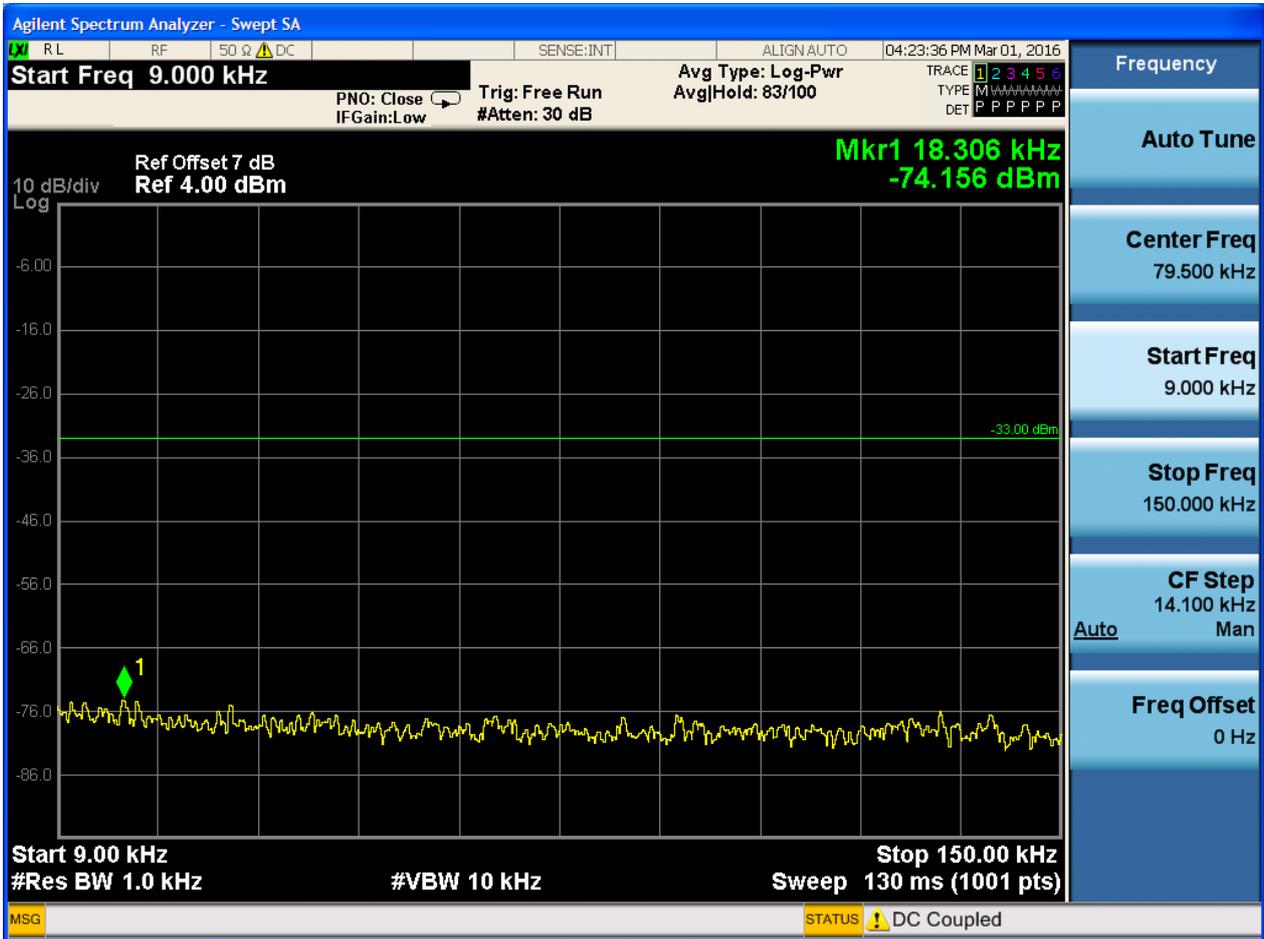
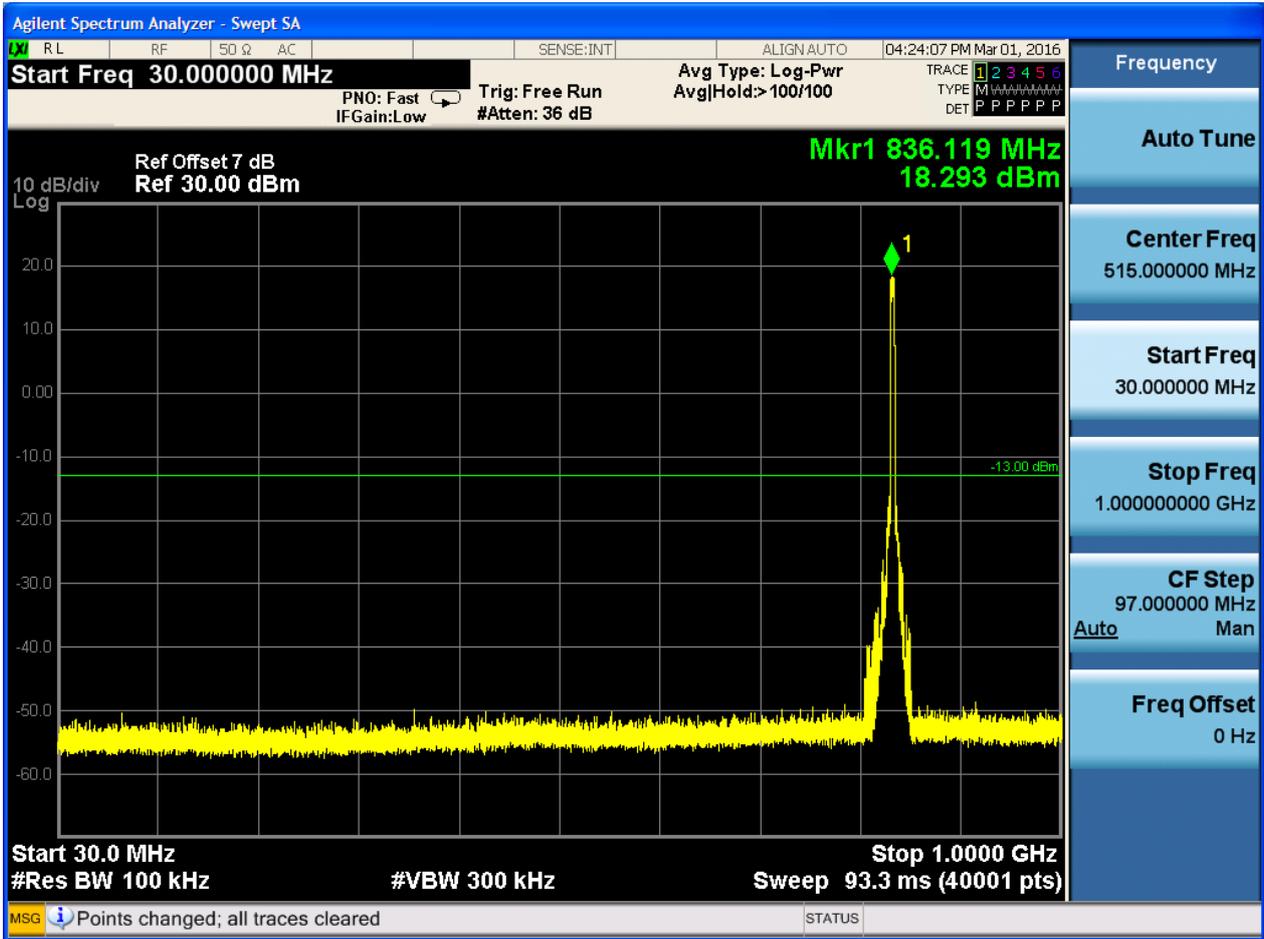
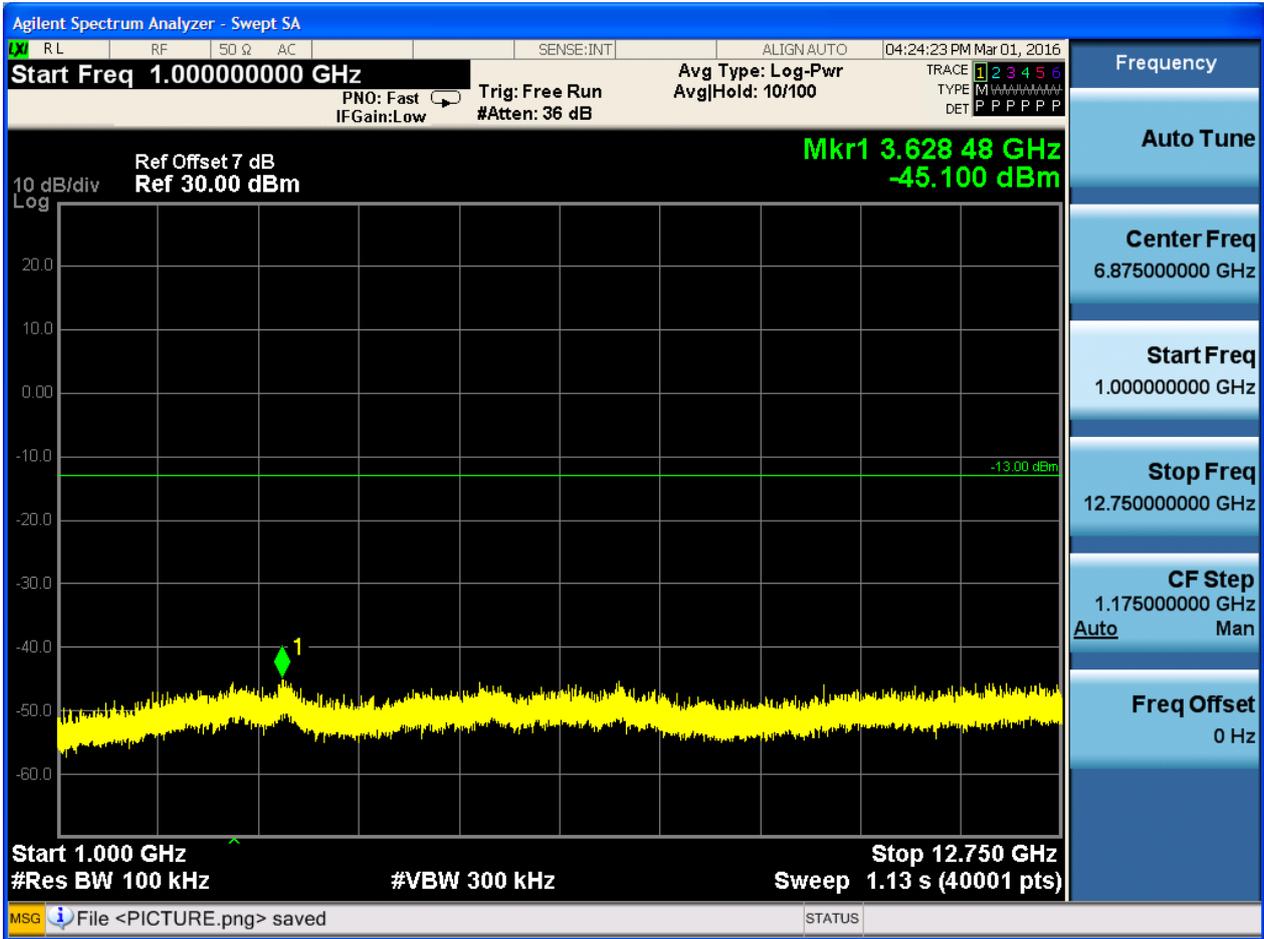




6.1.2.1.2 Test Channel = MCH

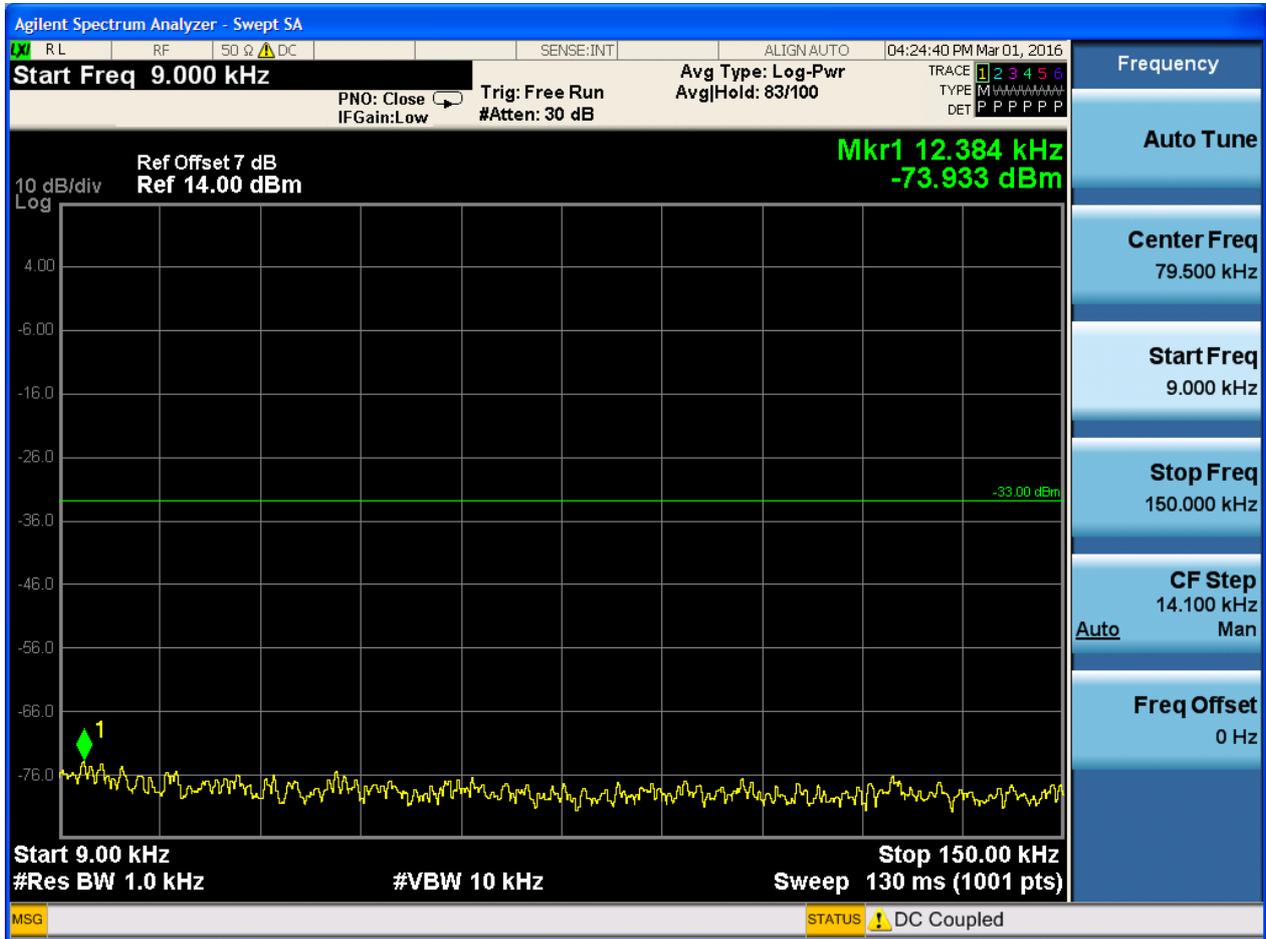


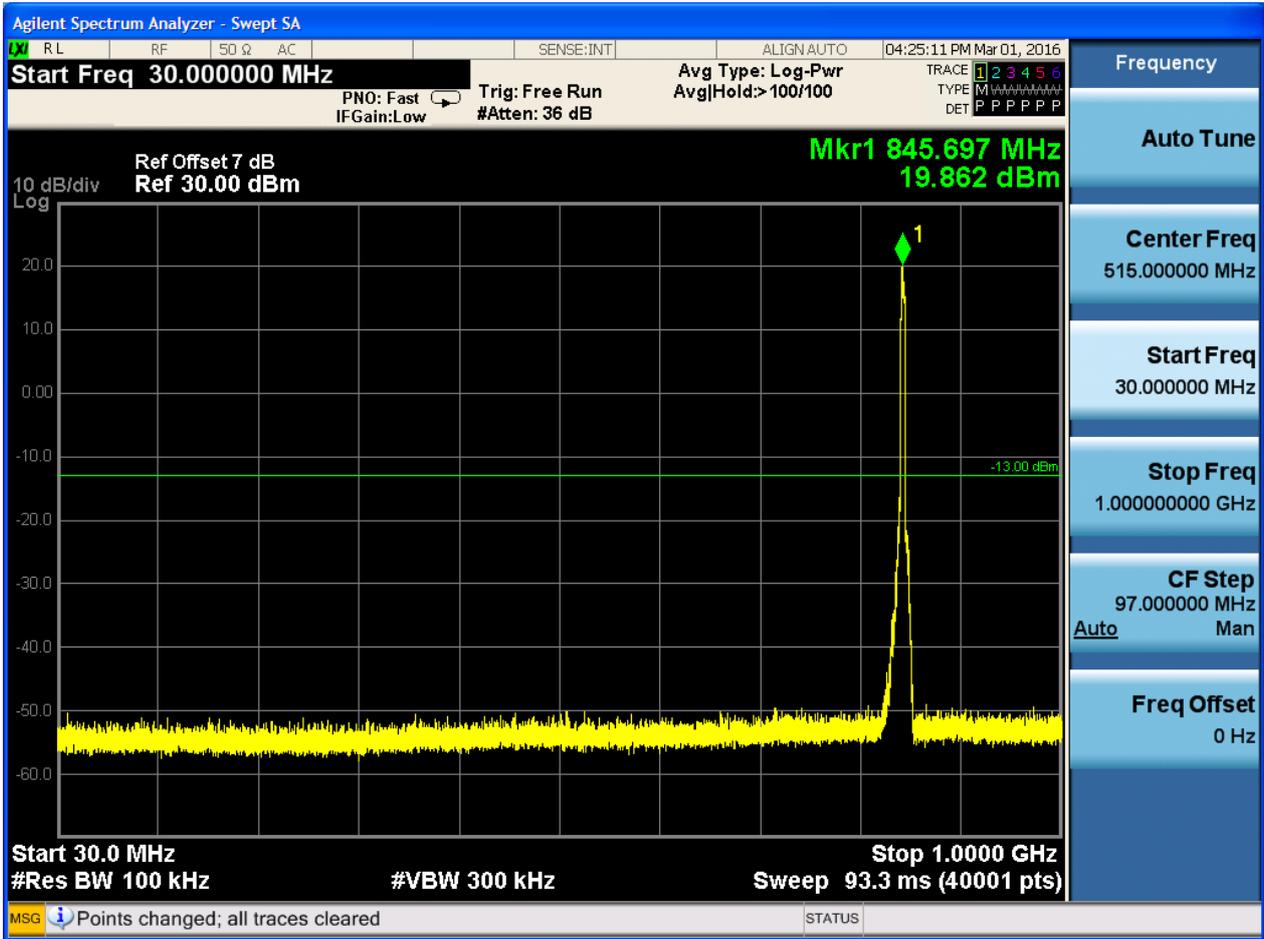


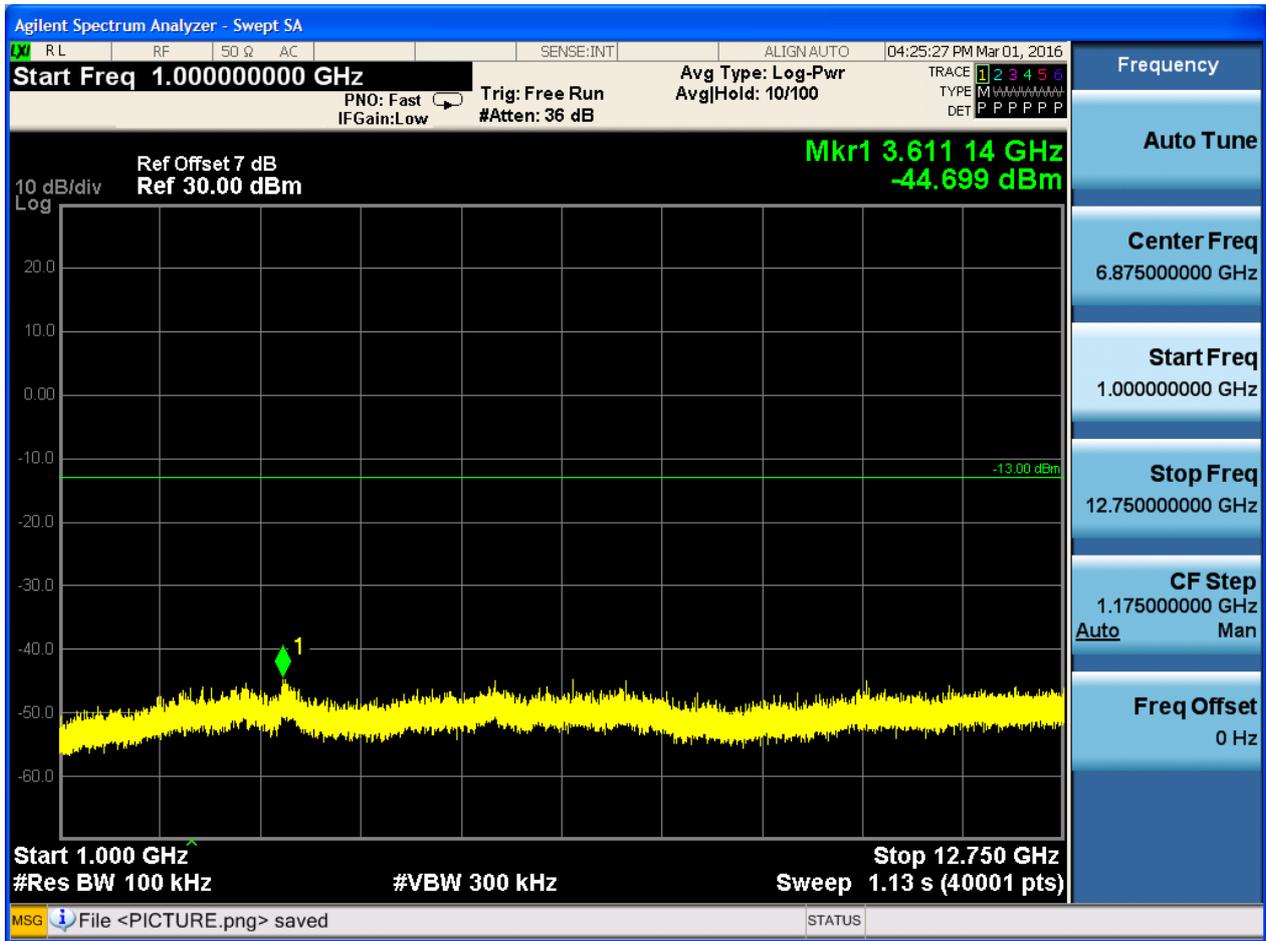




6.1.2.1.3 Test Channel = HCH





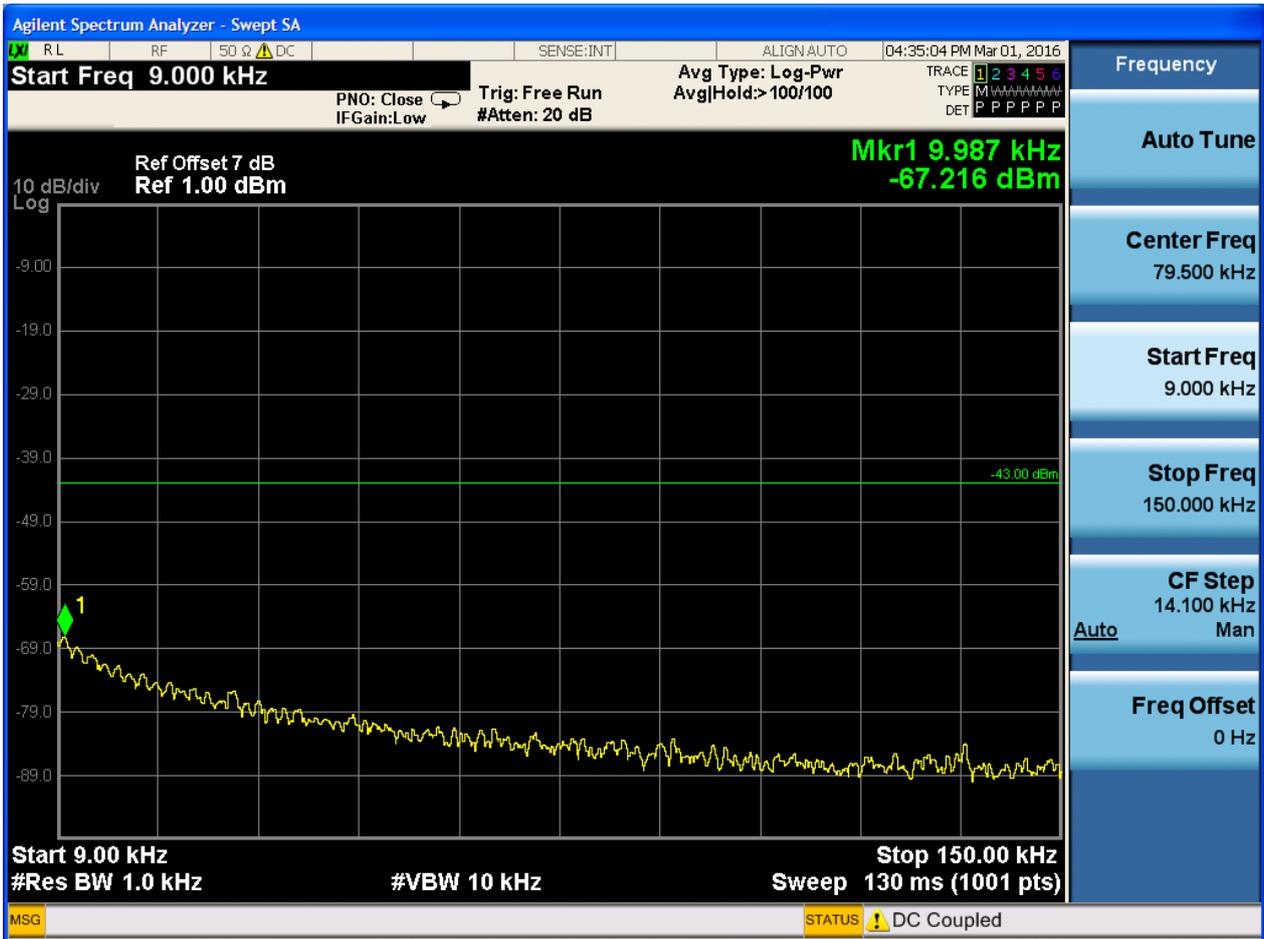




6.1.3 Test Band = GSM1900

6.1.3.1 Test Mode = GSM/TM1

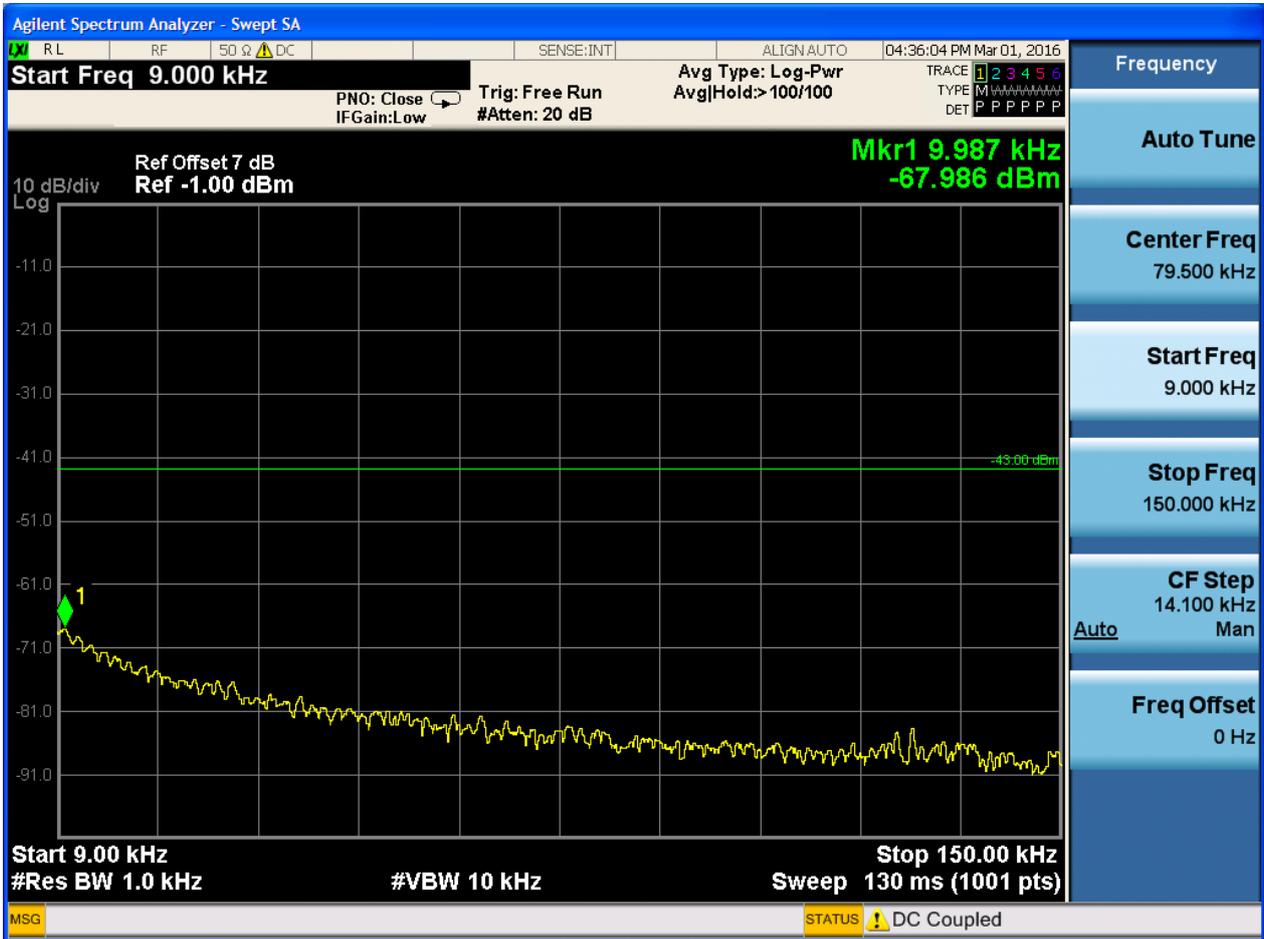
6.1.3.1.1 Test Channel = LCH

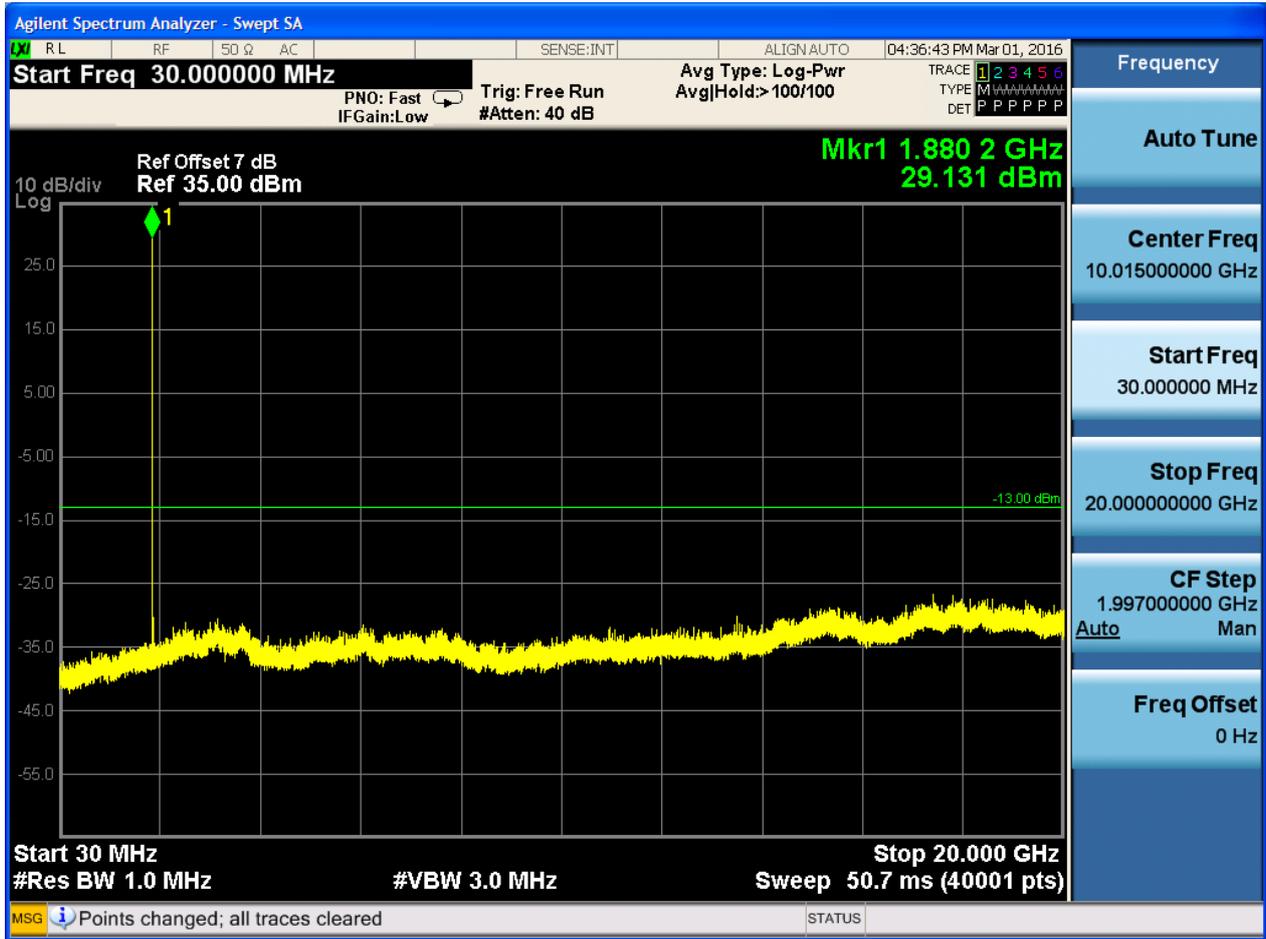






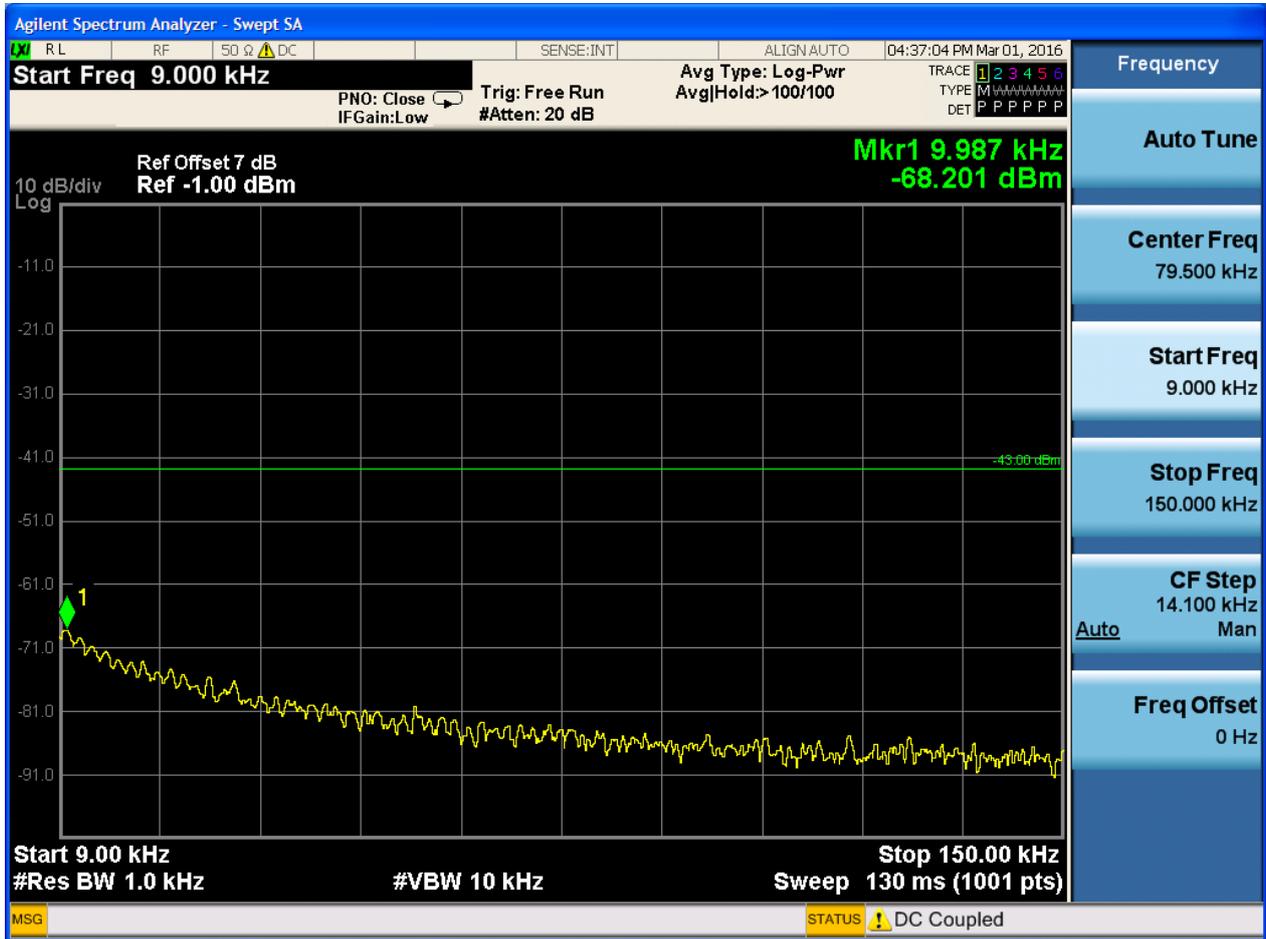
6.1.3.1.2 Test Channel = MCH



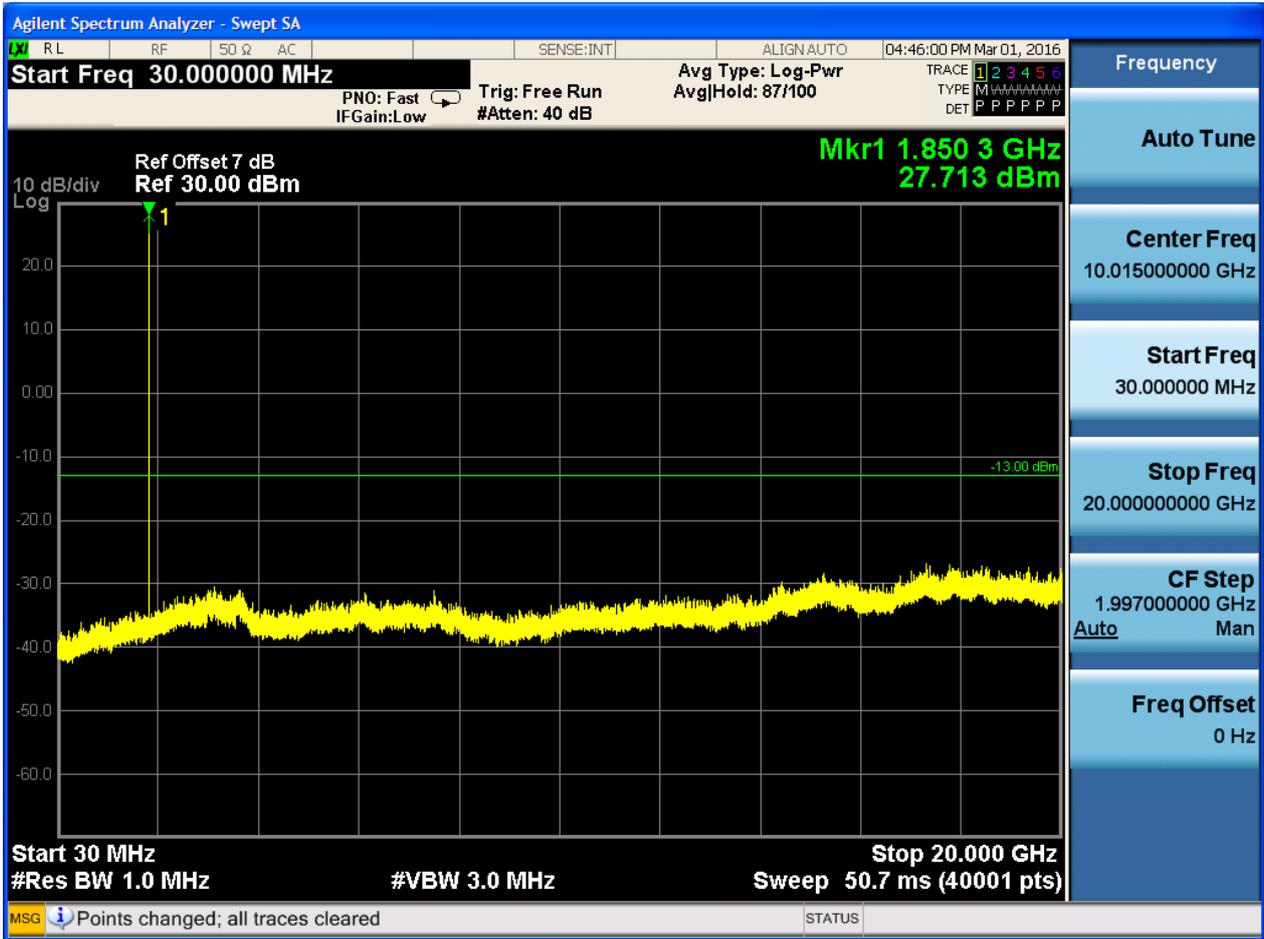




6.1.3.1.3 Test Channel = HCH

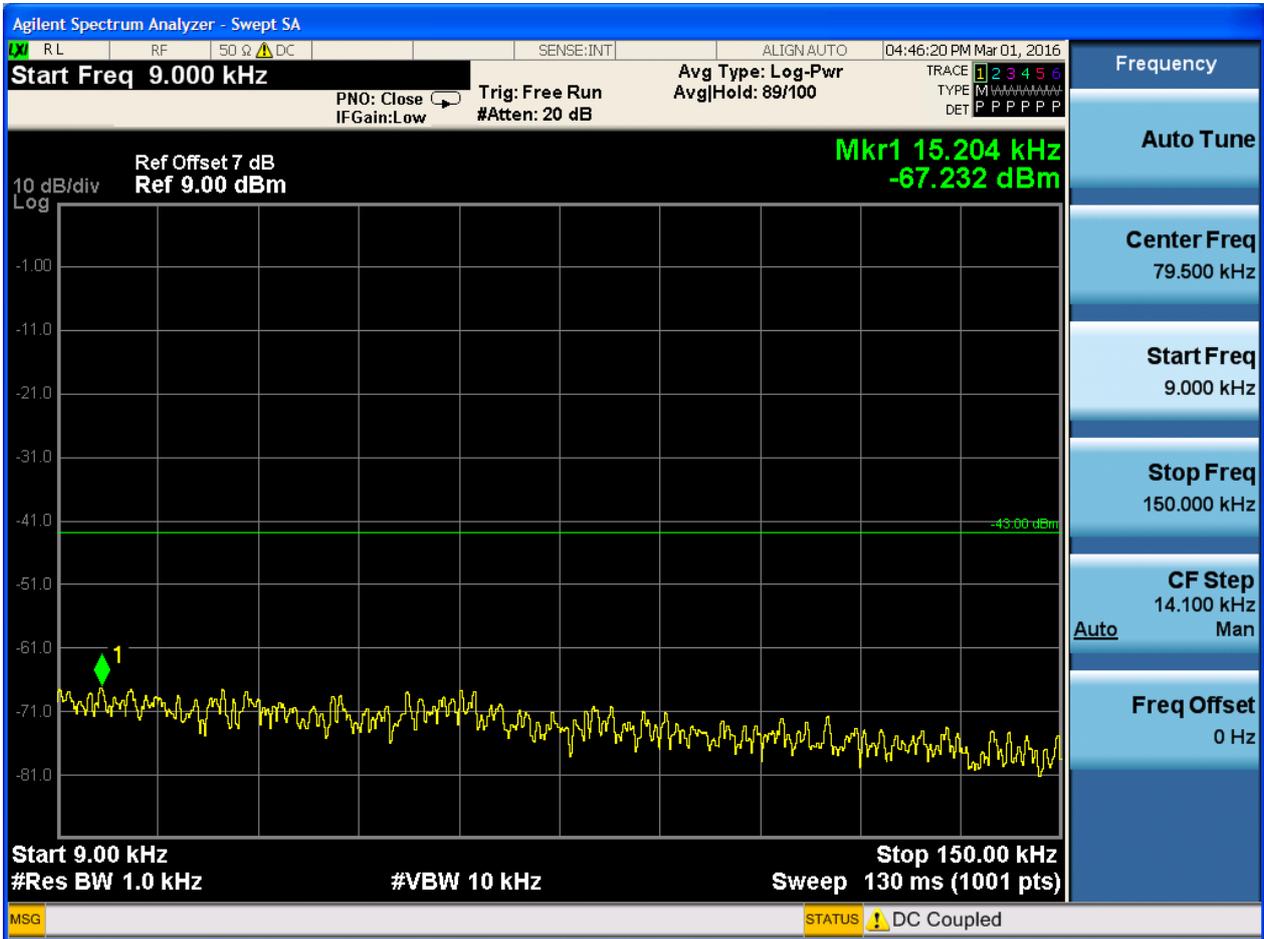


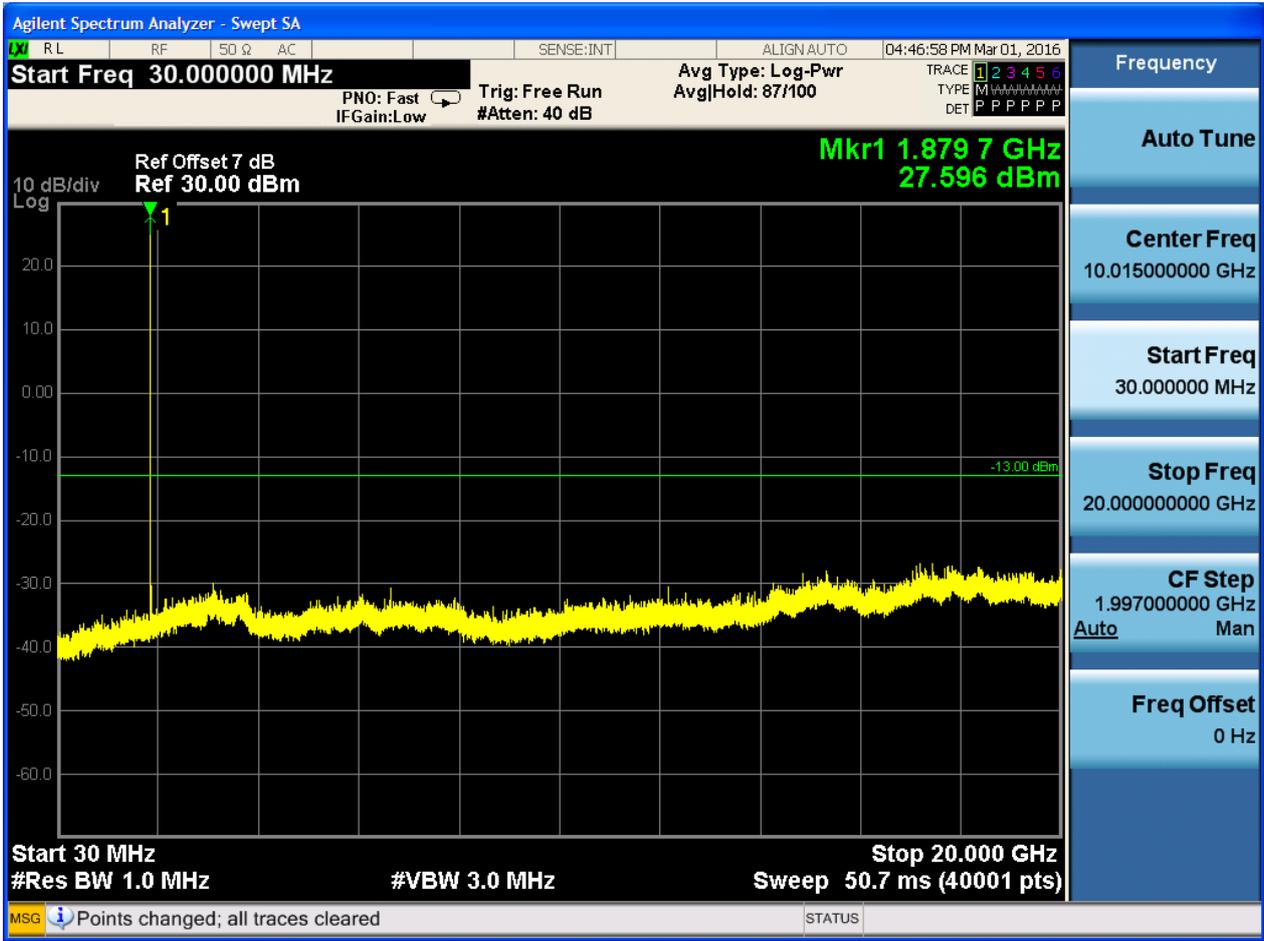






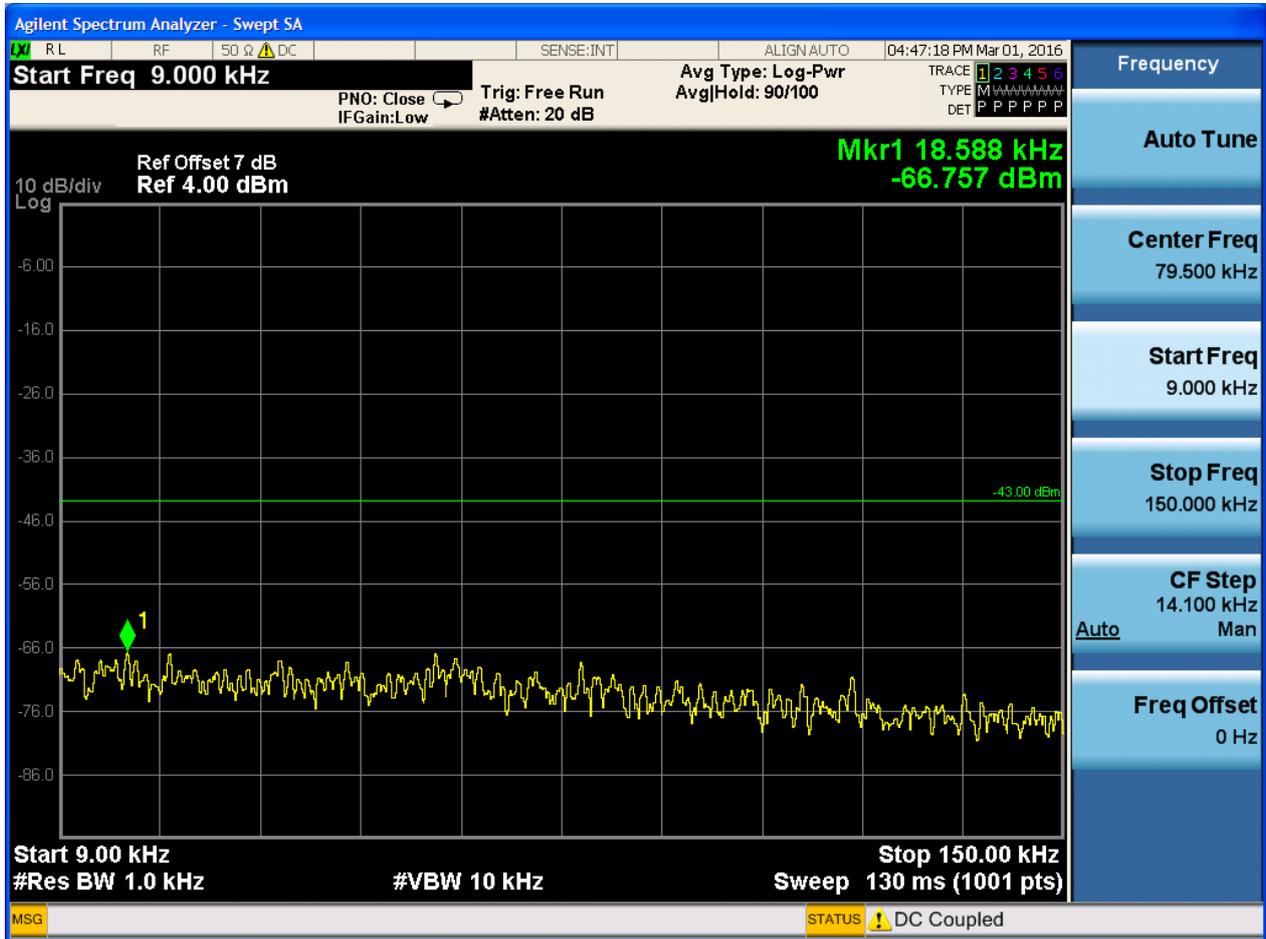
6.1.3.2.2 Test Channel = MCH







6.1.3.2.3 Test Channel = HCH



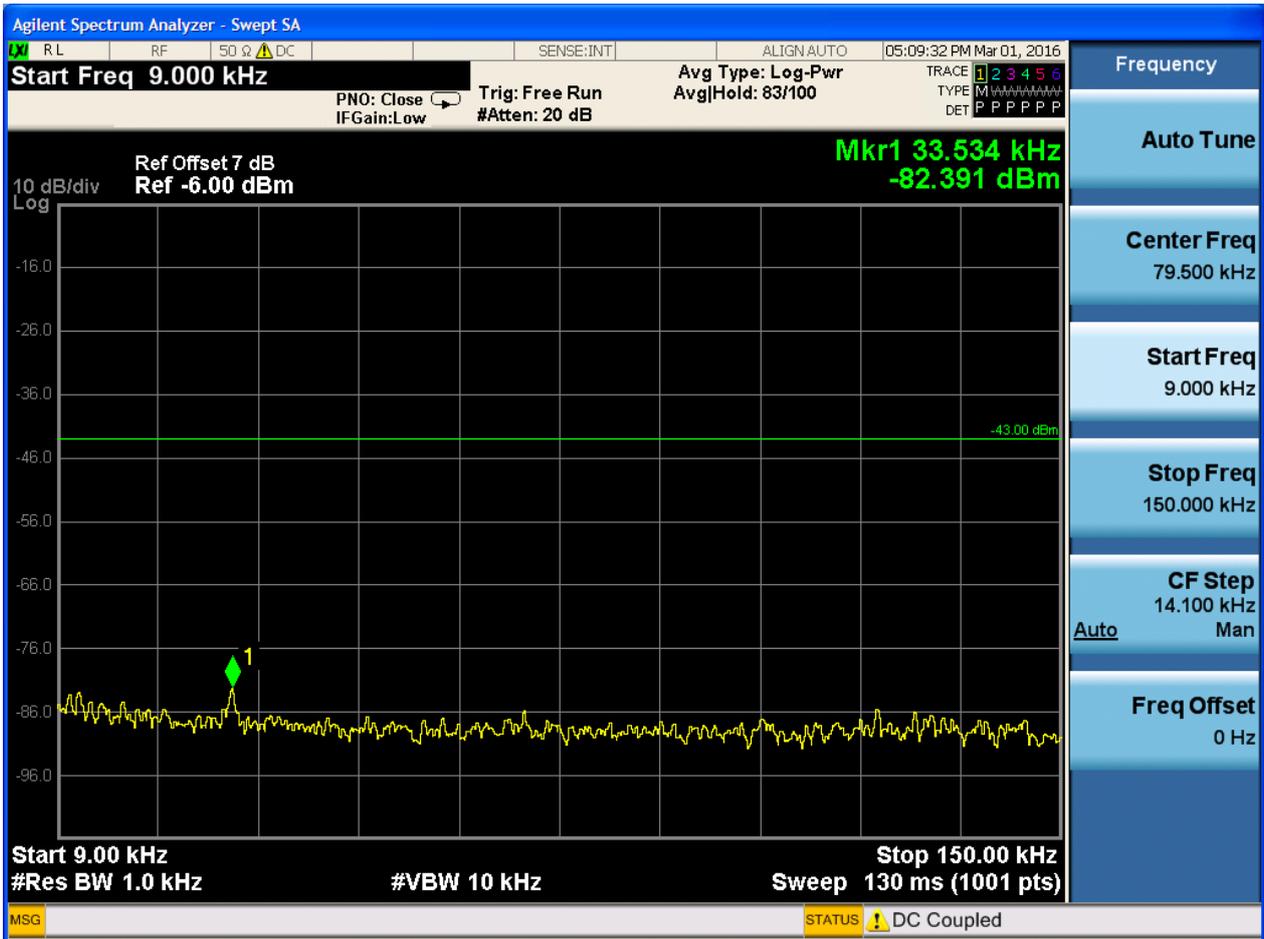


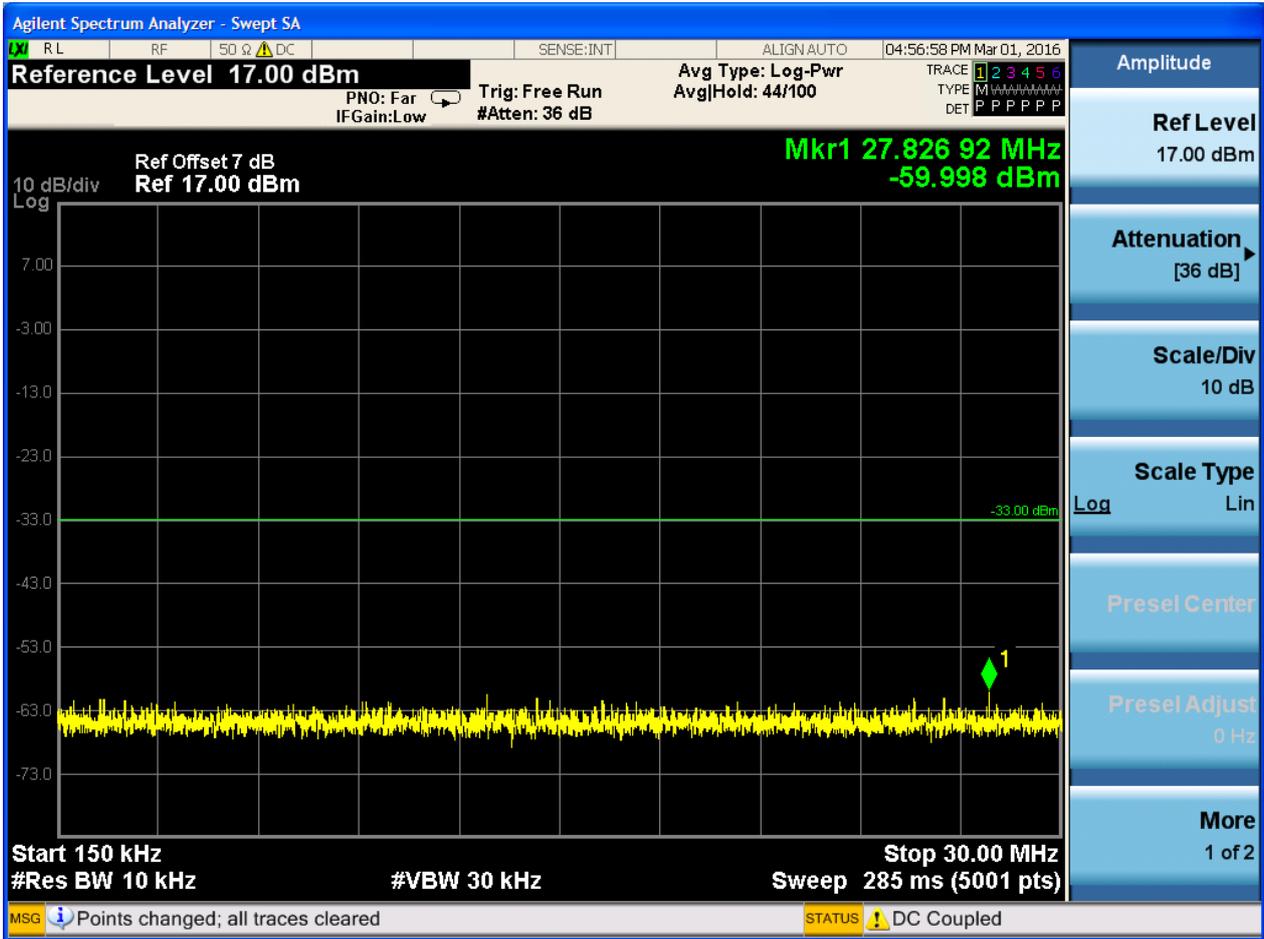


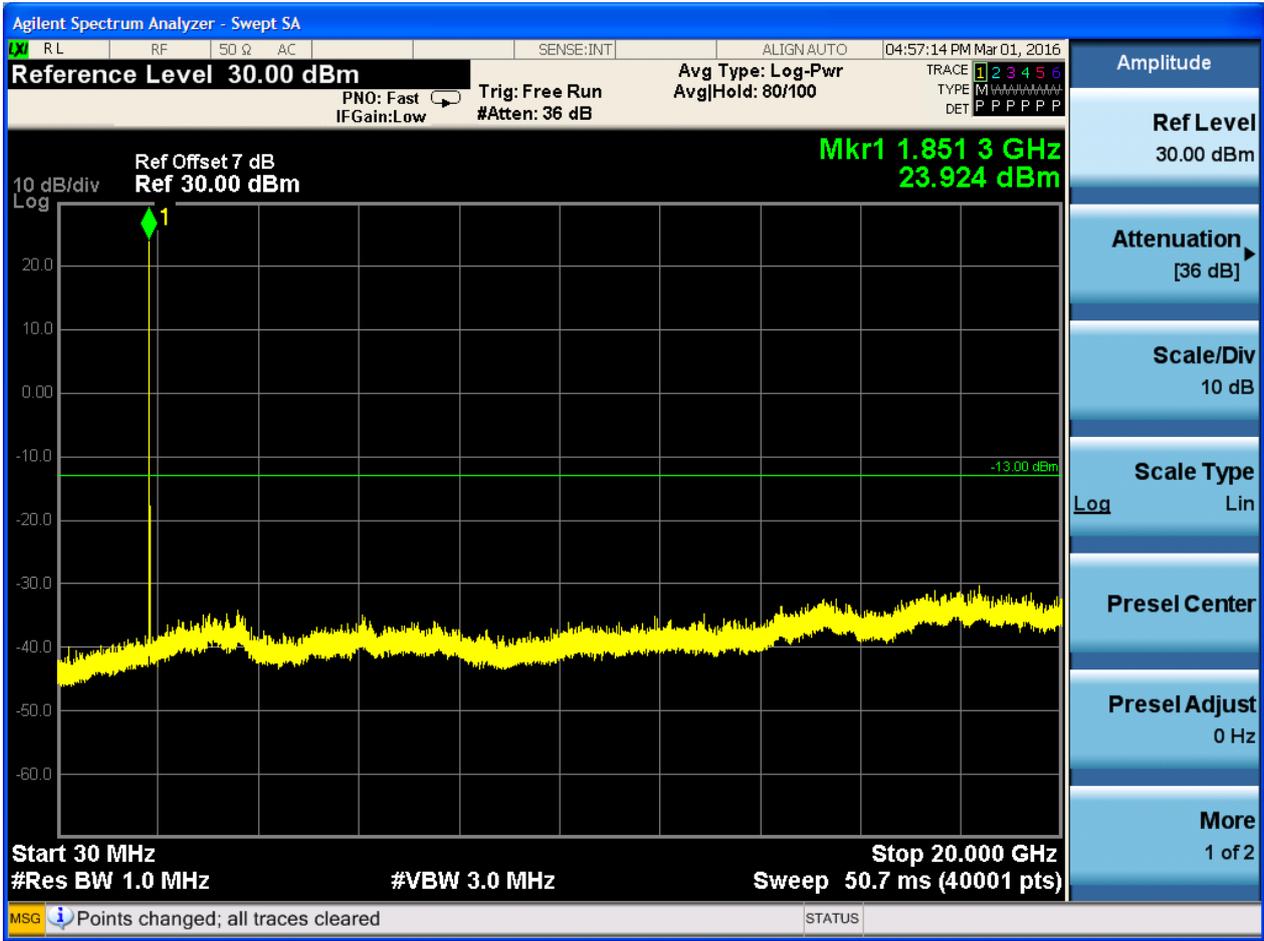
6.1.4 Test Band = WCDMA1900

6.1.4.1 Test Mode = UMTS/TM1

6.1.4.1.1 Test Channel = LCH

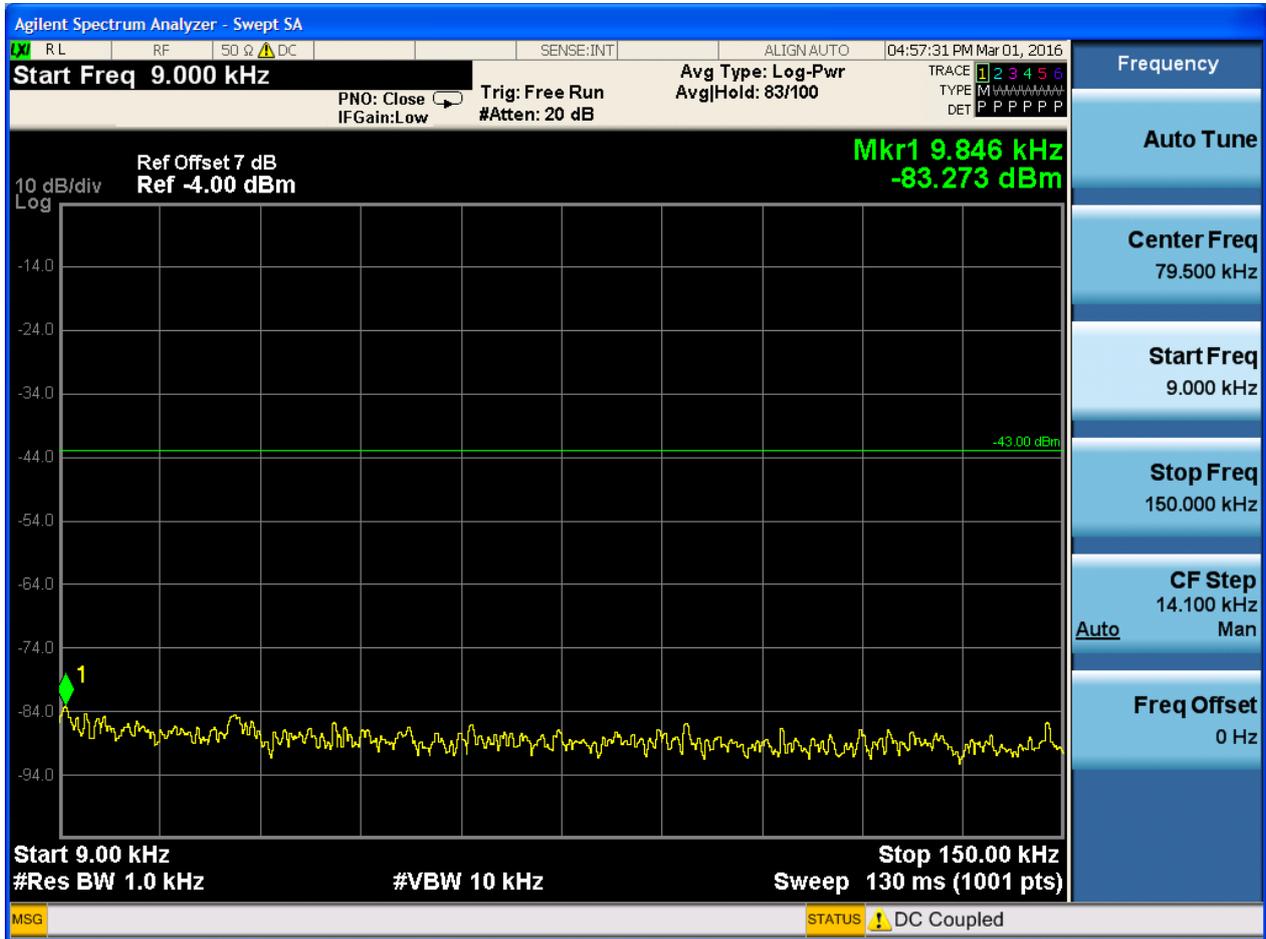


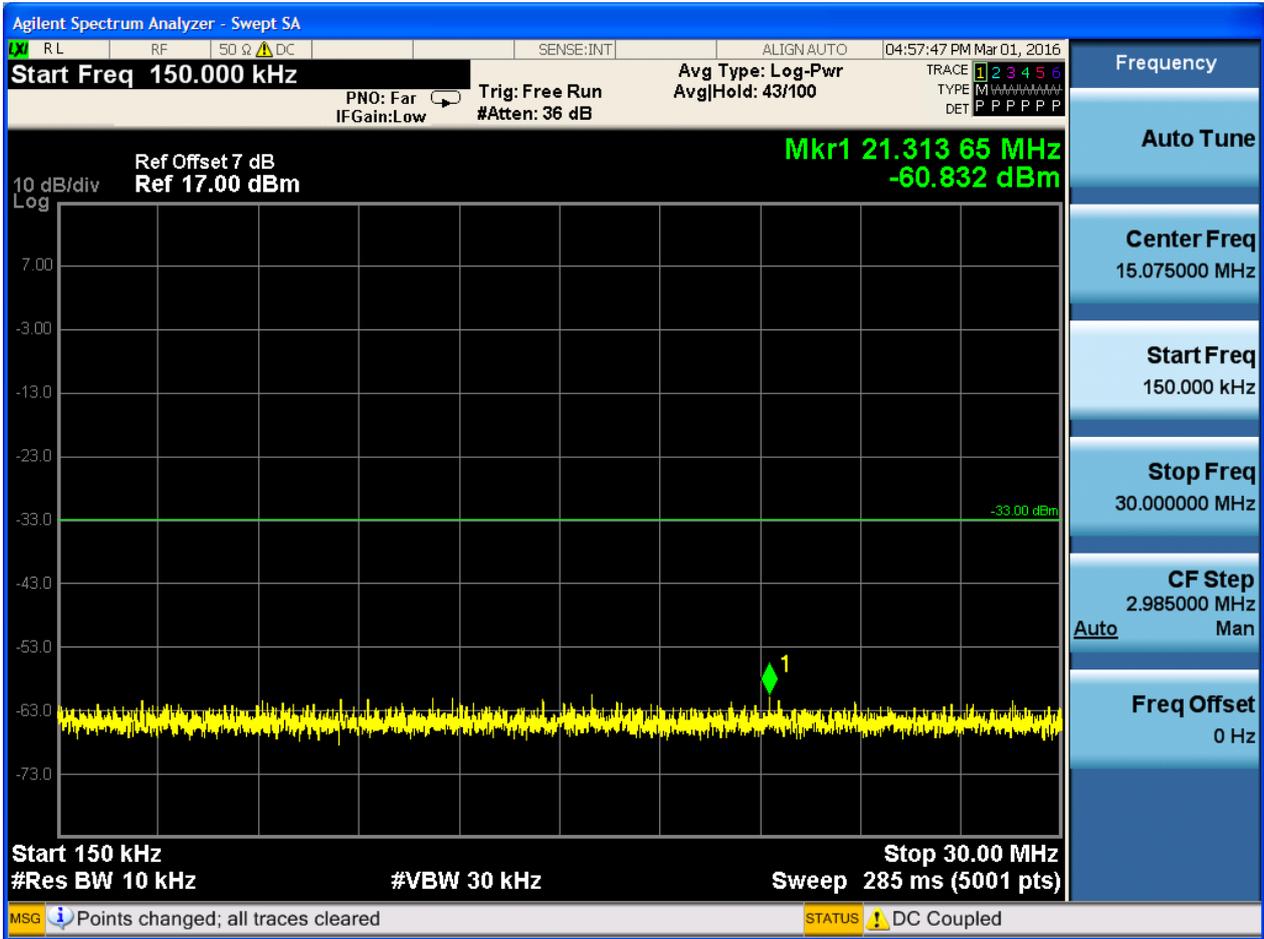






6.1.4.1.2 Test Channel = MCH

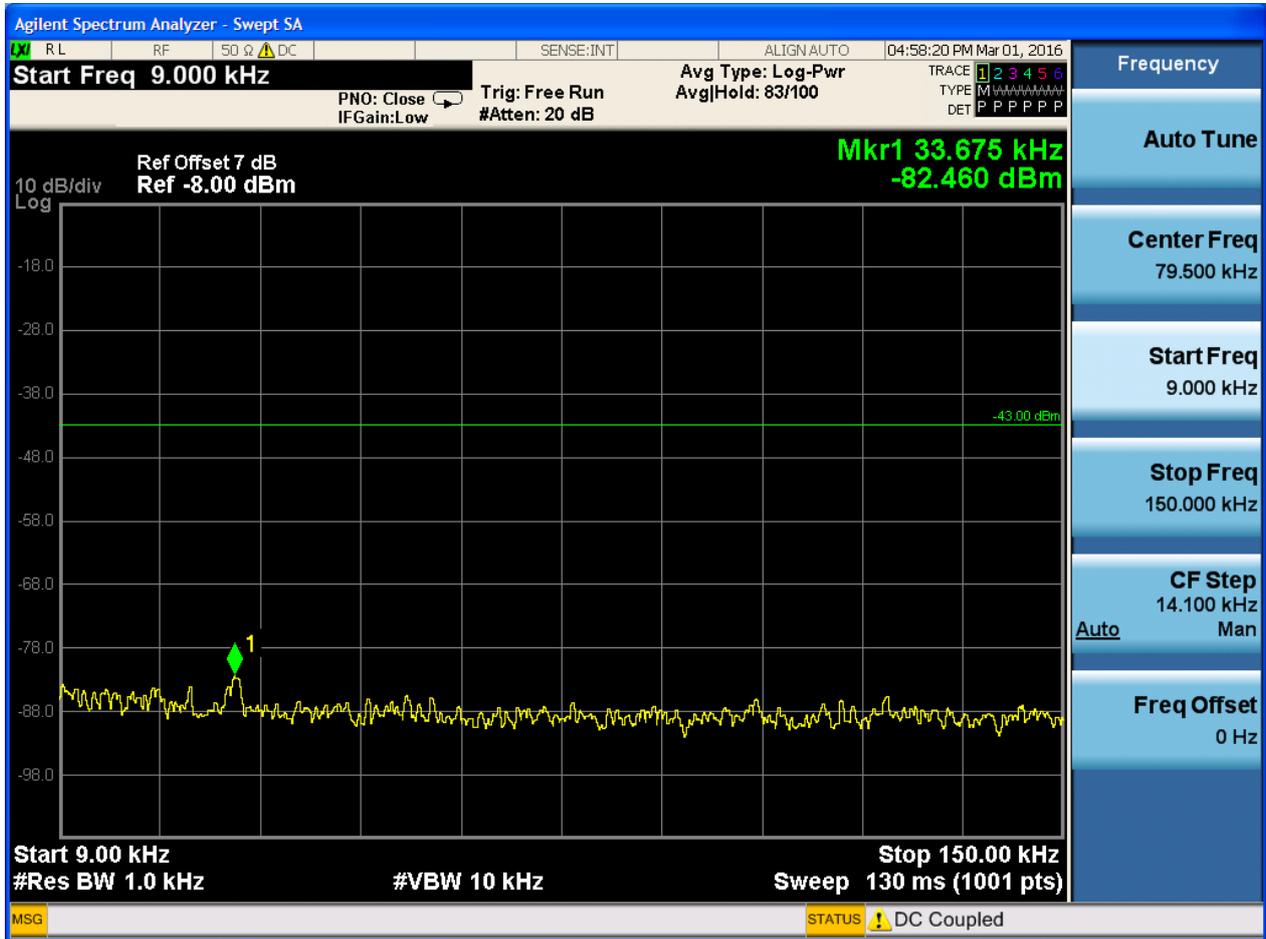


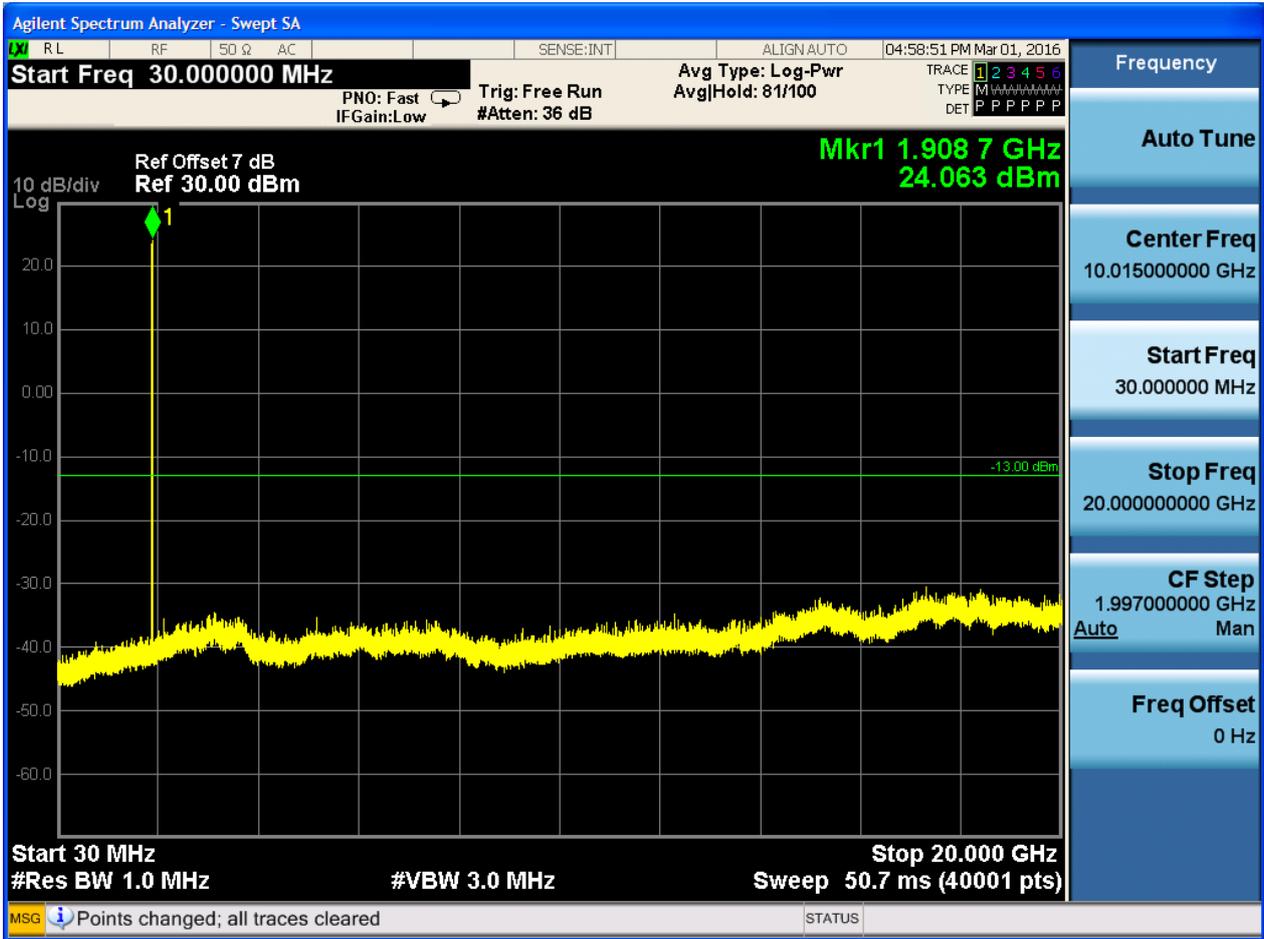






6.1.4.1.3 Test Channel = HCH



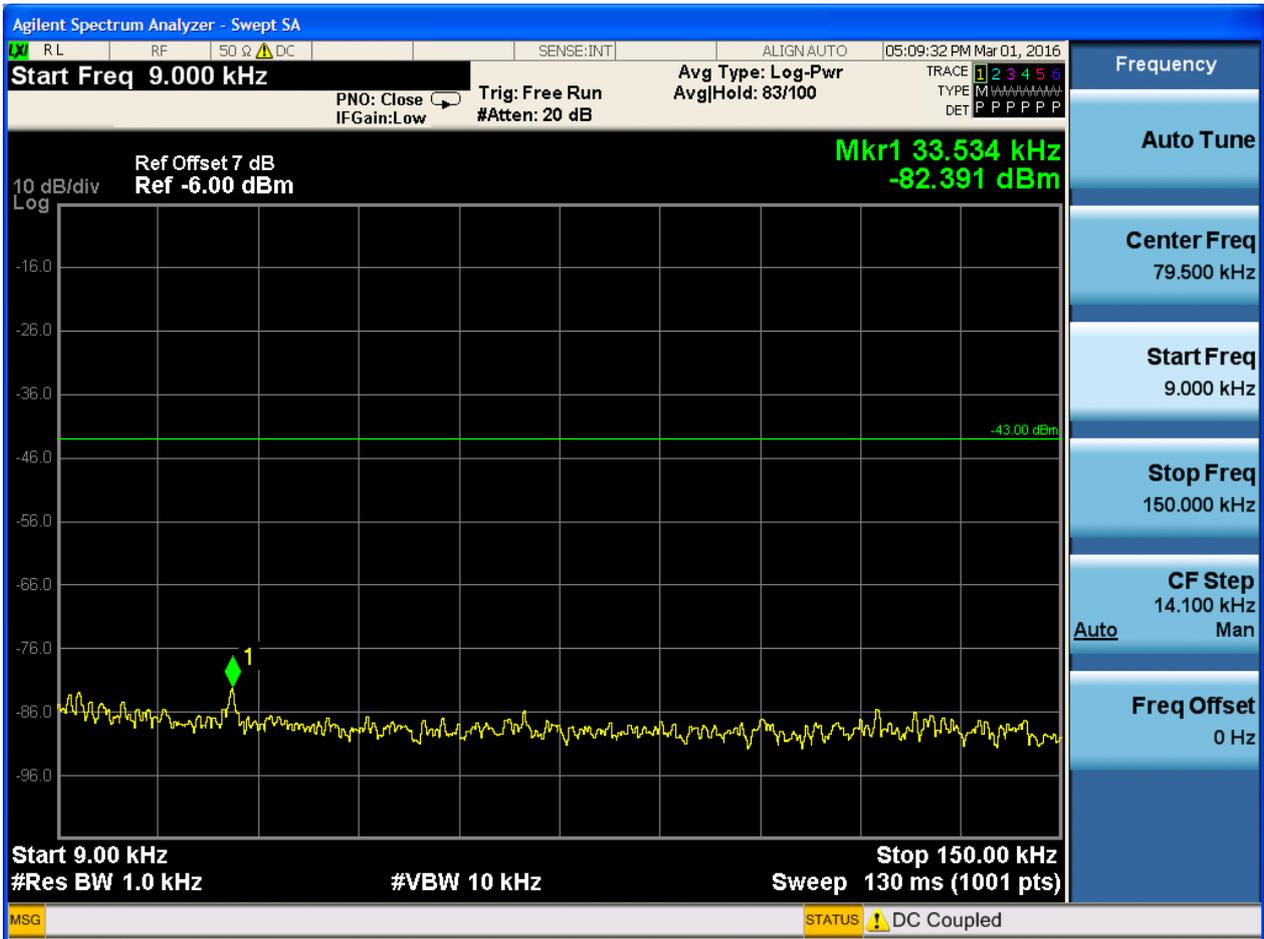


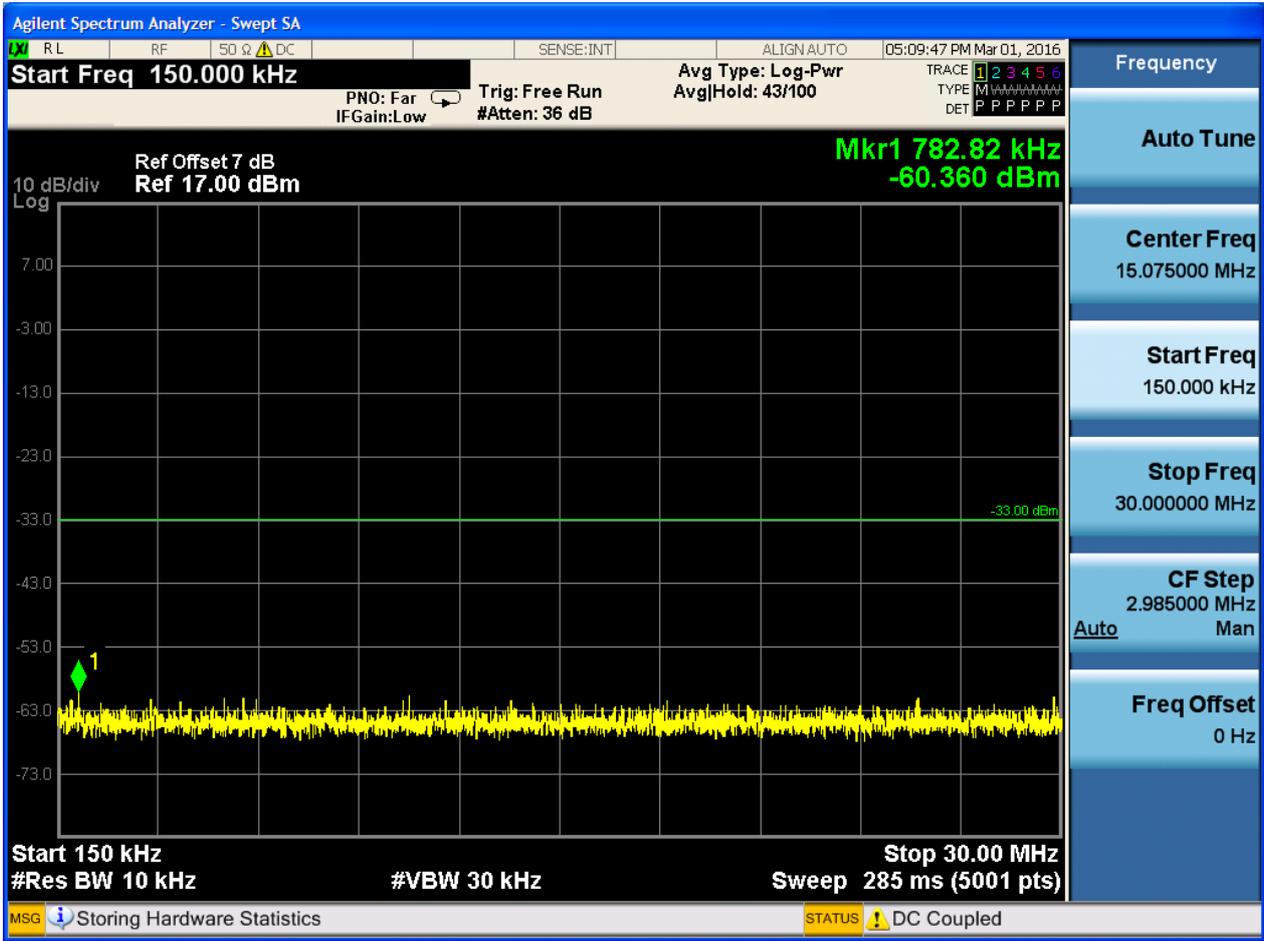


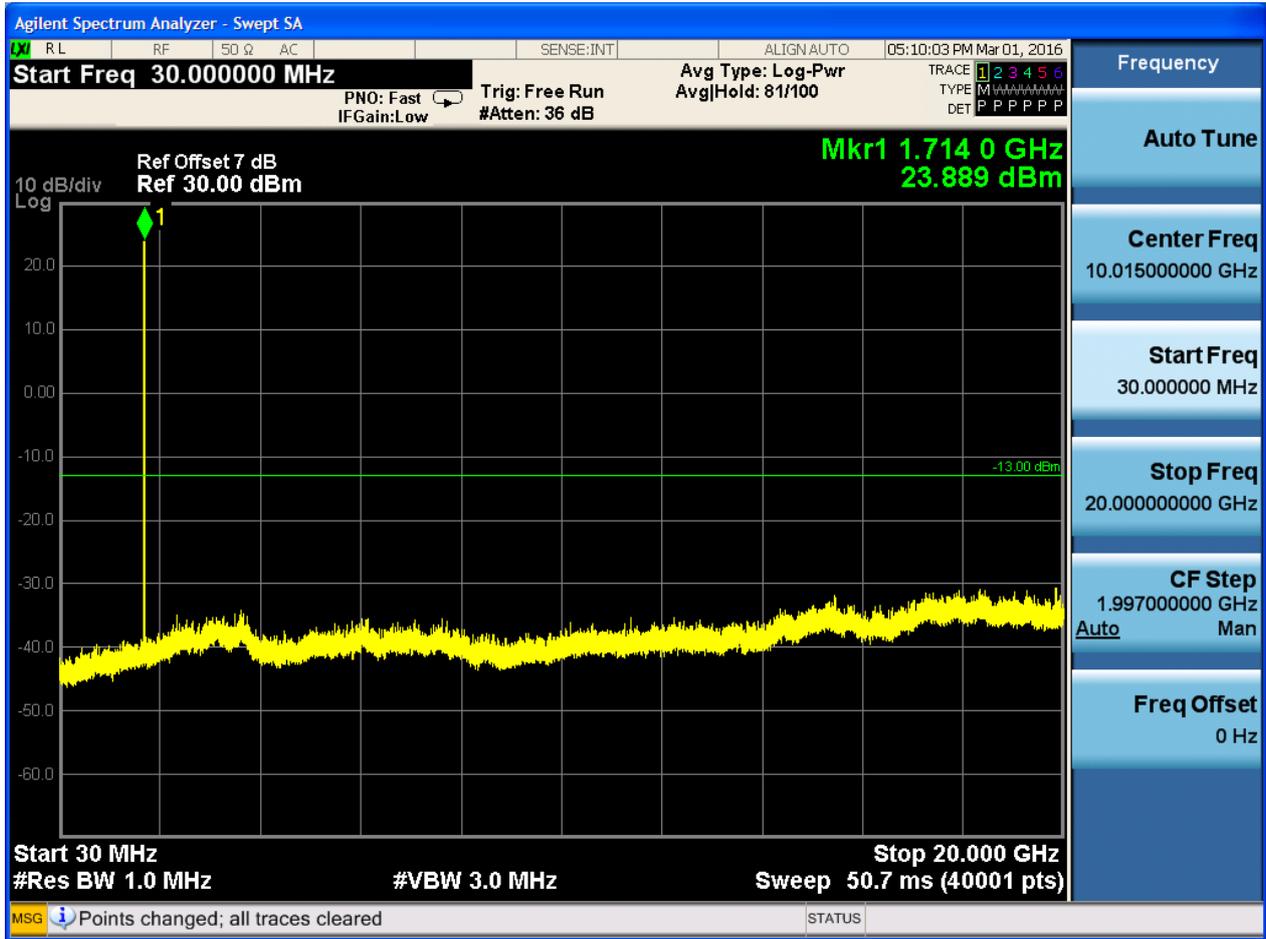
6.1.5 Test Band = WCDMA1700

6.1.5.1 Test Mode = UMTS/TM1

6.1.5.1.1 Test Channel = LCH

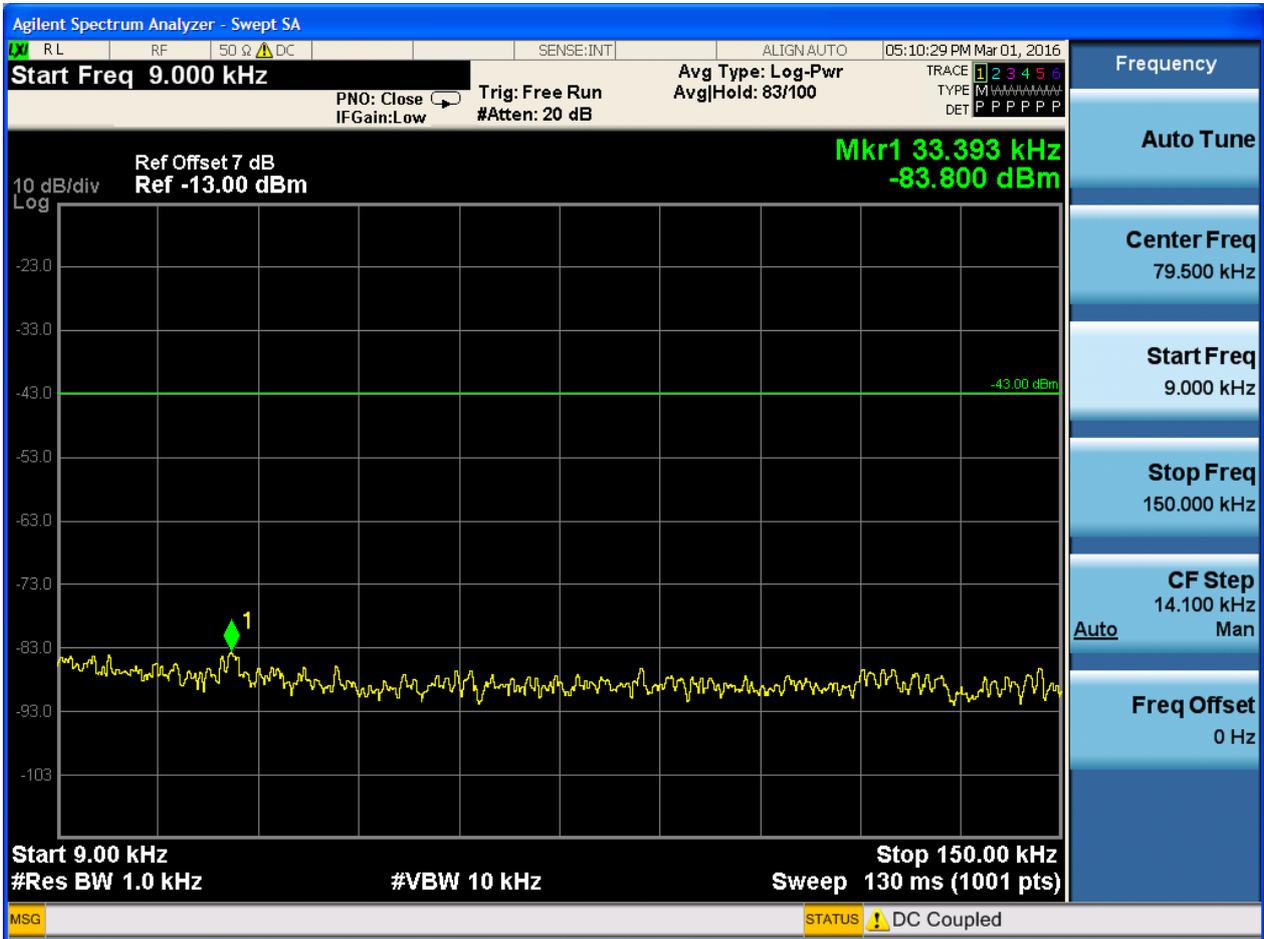


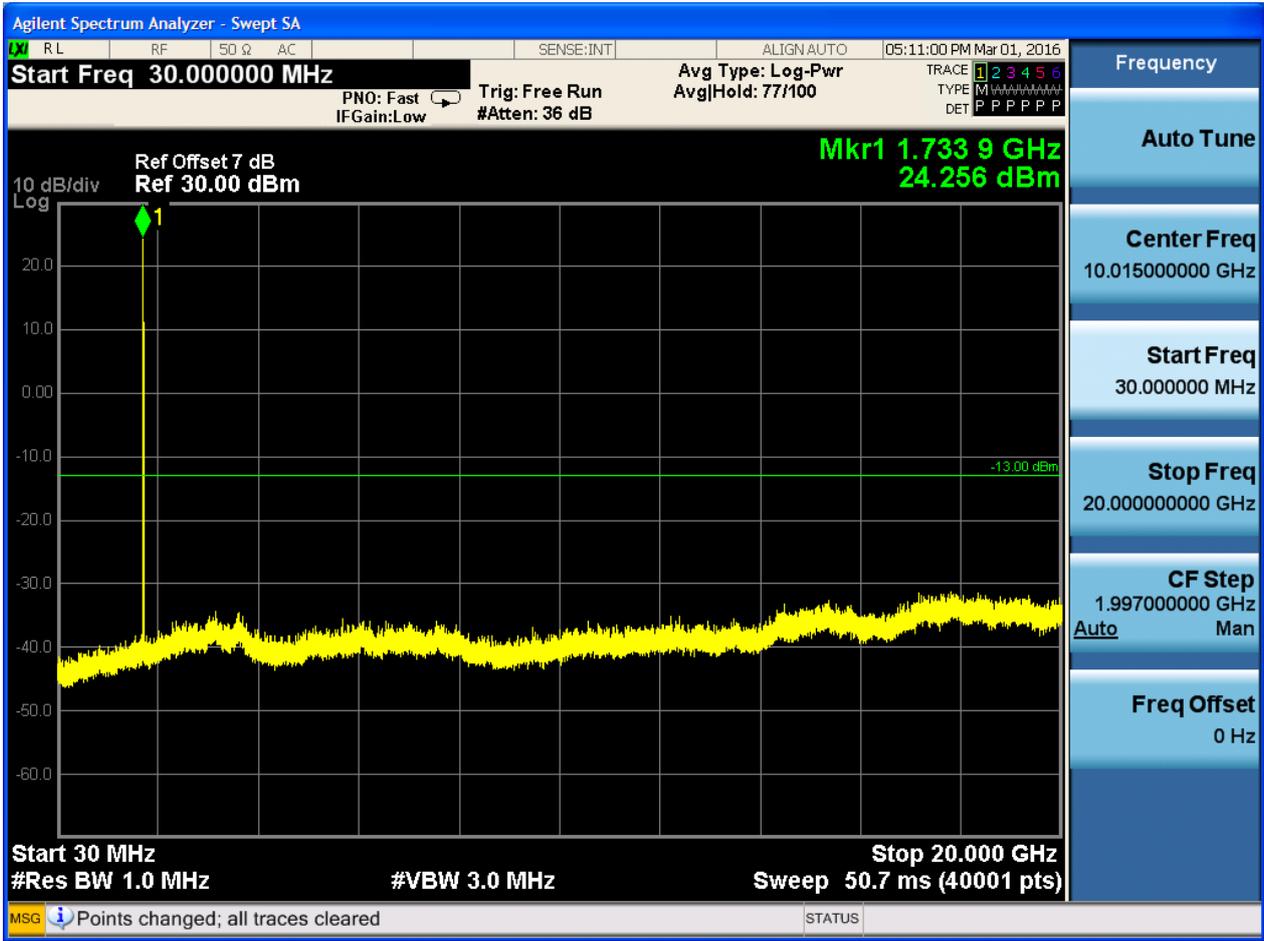






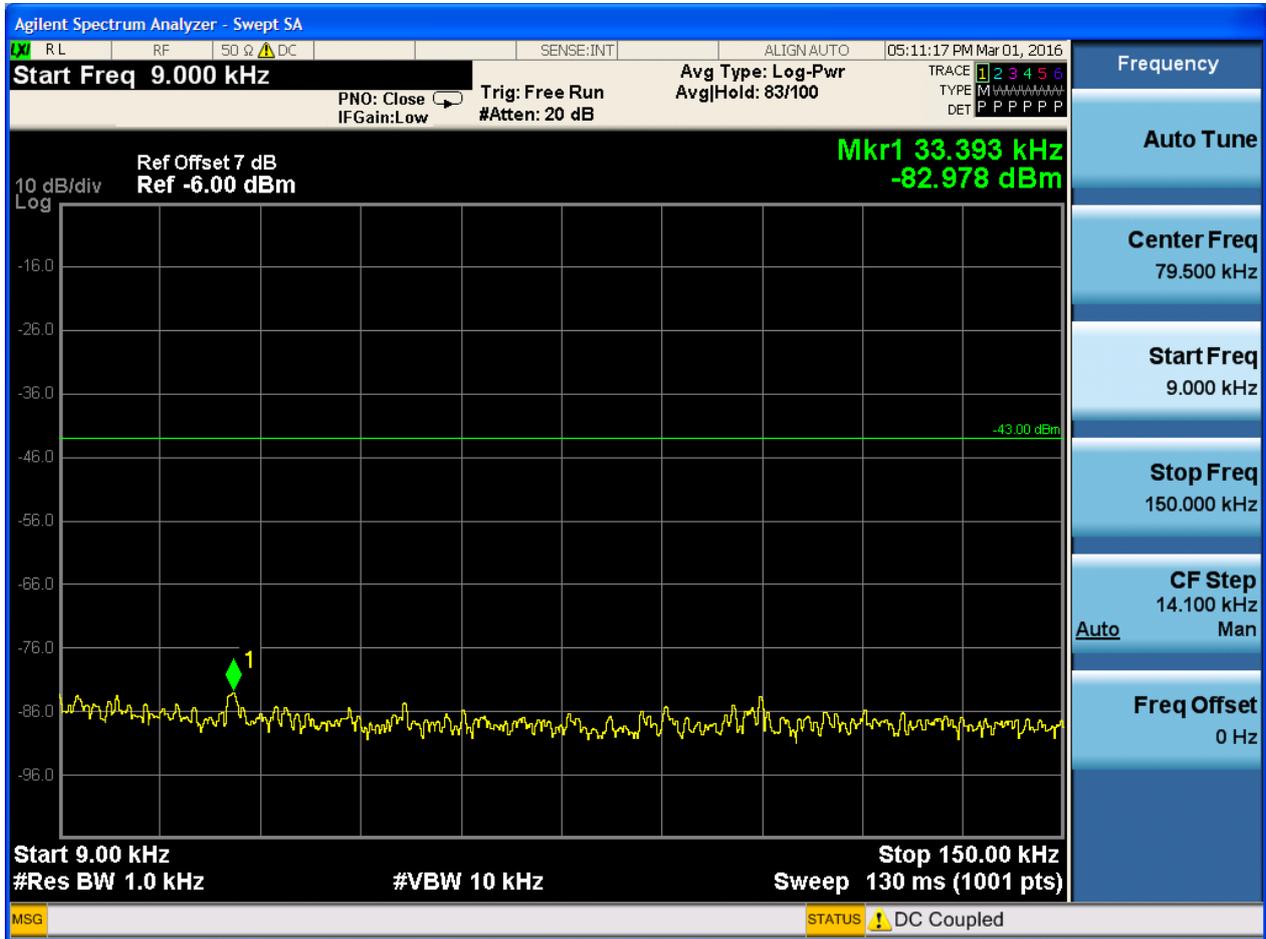
6.1.5.1.2 Test Channel = MCH







6.1.5.1.3 Test Channel = HCH





7Appendix_G: Field Strength of Spurious Radiation

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

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

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

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

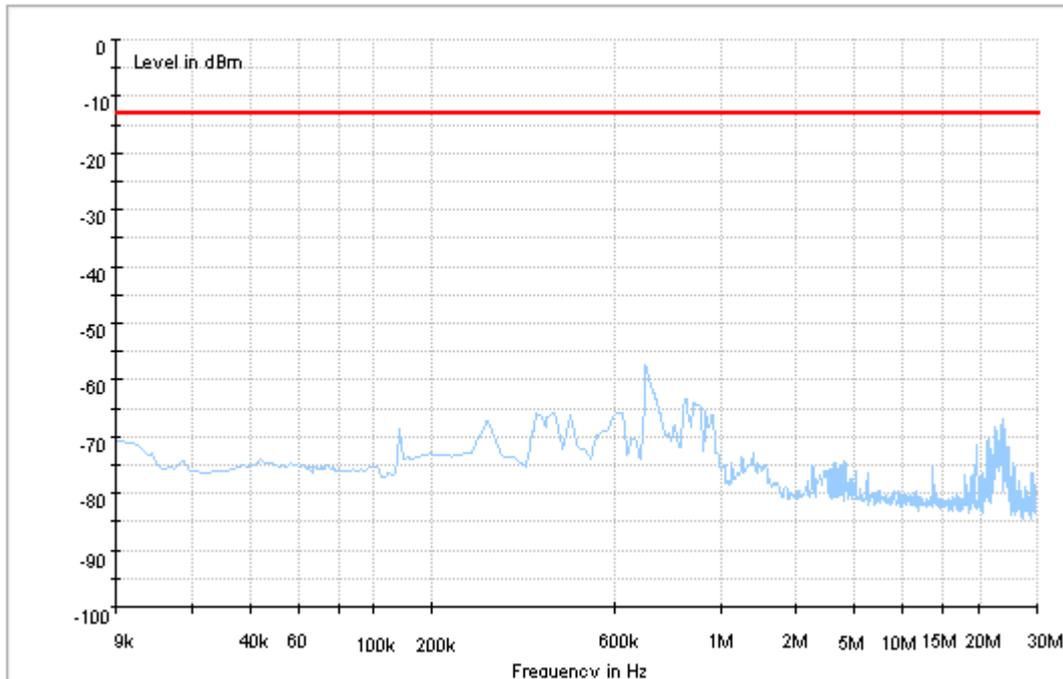
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

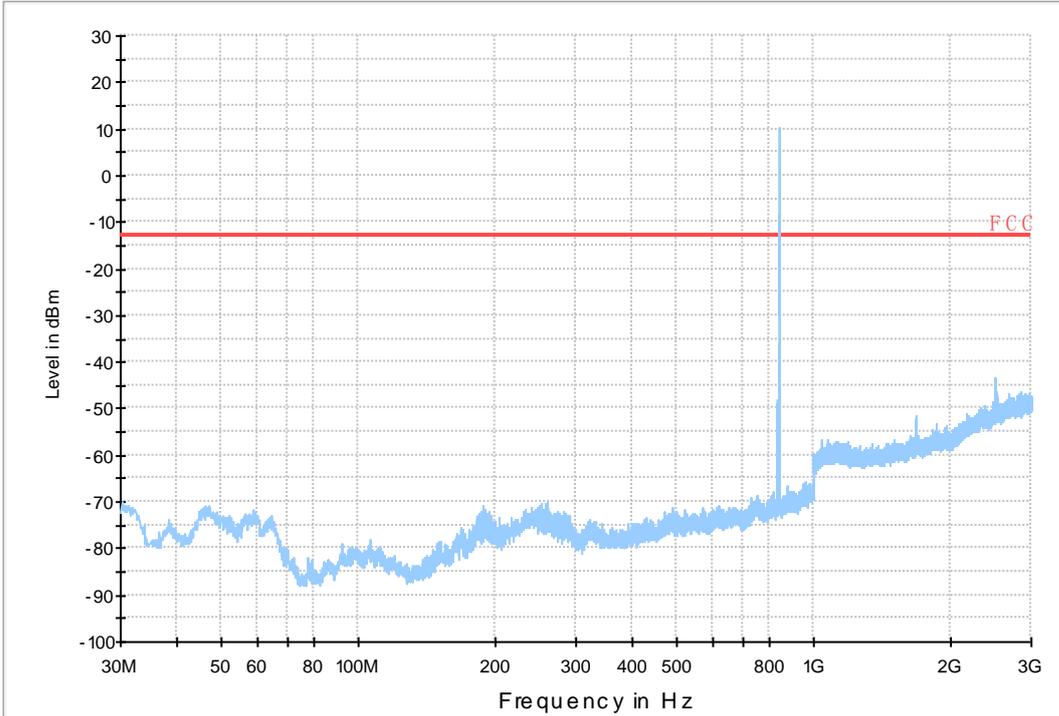
7.1 For GSM

7.1.1 Test Band = GSM850

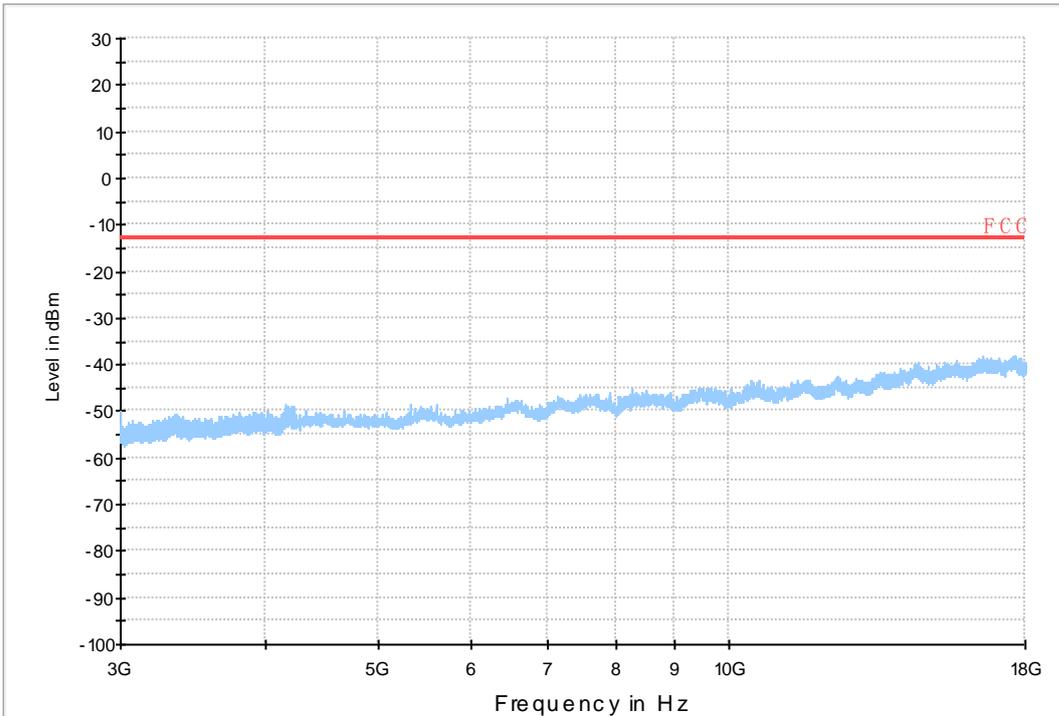
7.1.1.1 Test Mode = GSM/TM1



Copy of FCC PART22 GSM850_L

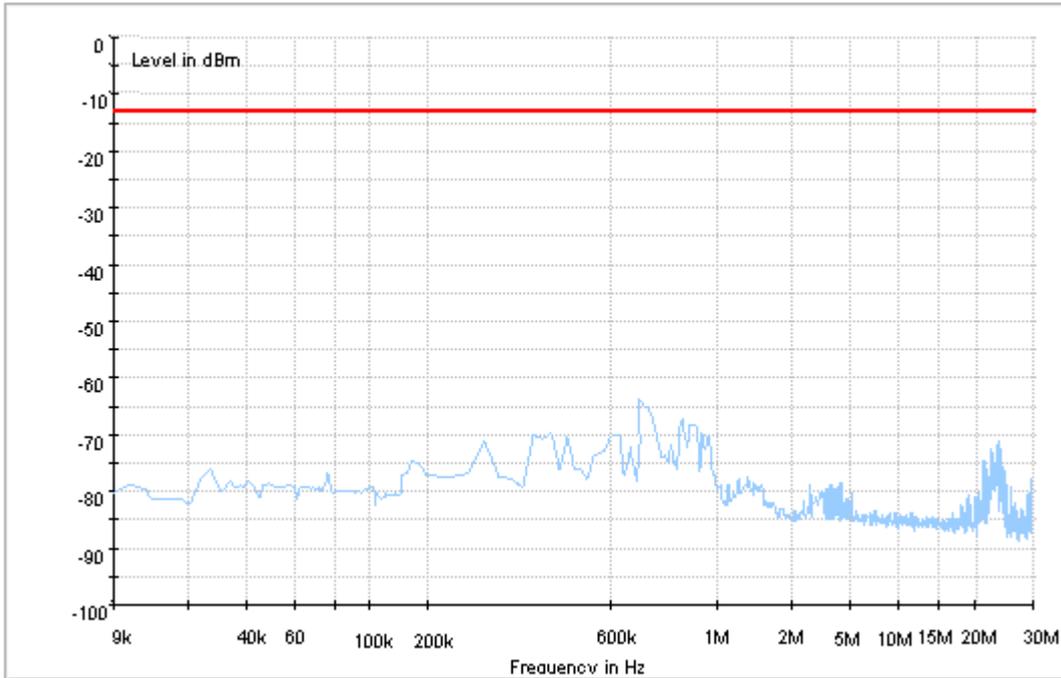


Copy of FCC PART22 GSM850_H

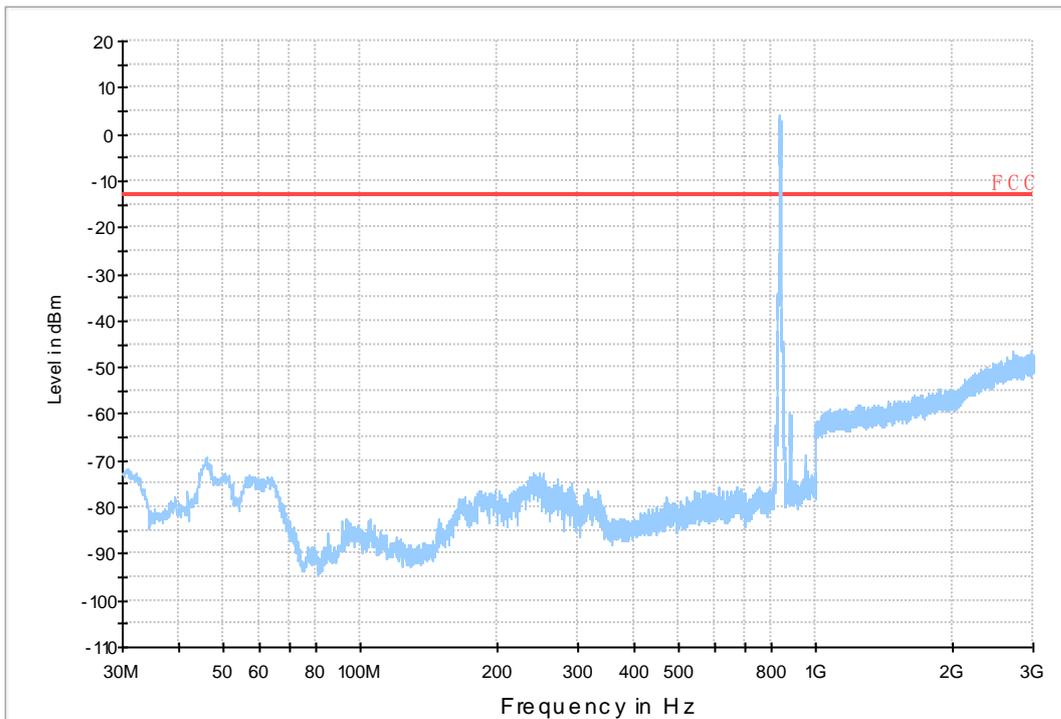


7.1.2 Test Band = WCDMA850

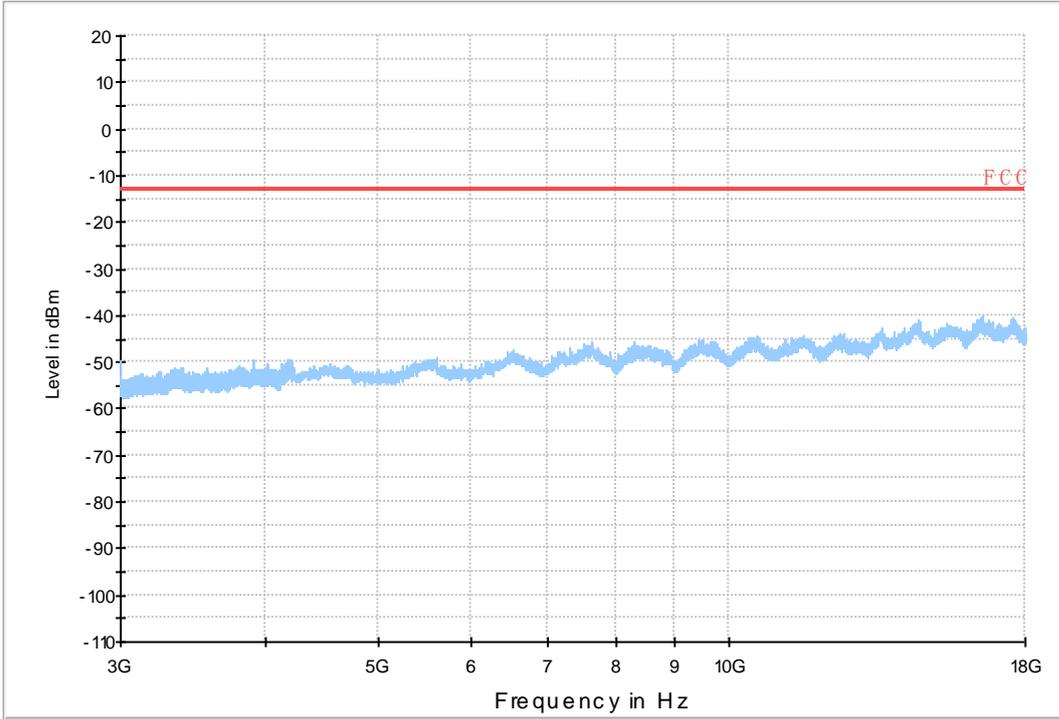
7.1.2.1 Test Mode = UMTS/TM1



Copy of FCC PART22 W CDM A850_L

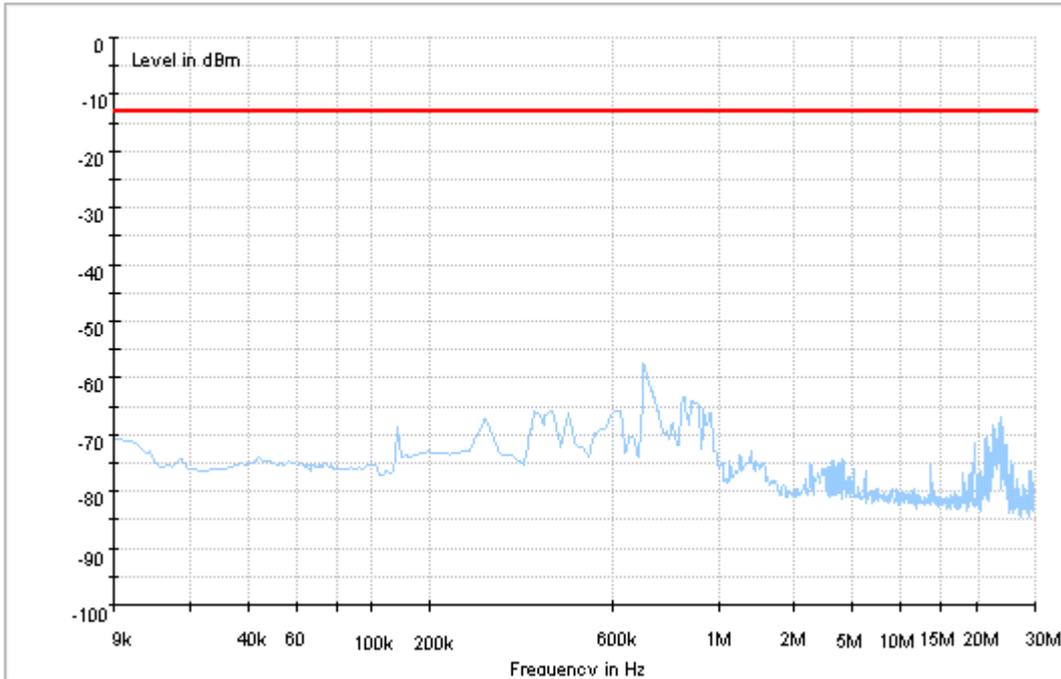


Copy of FCC PART22 W CDM A850_H

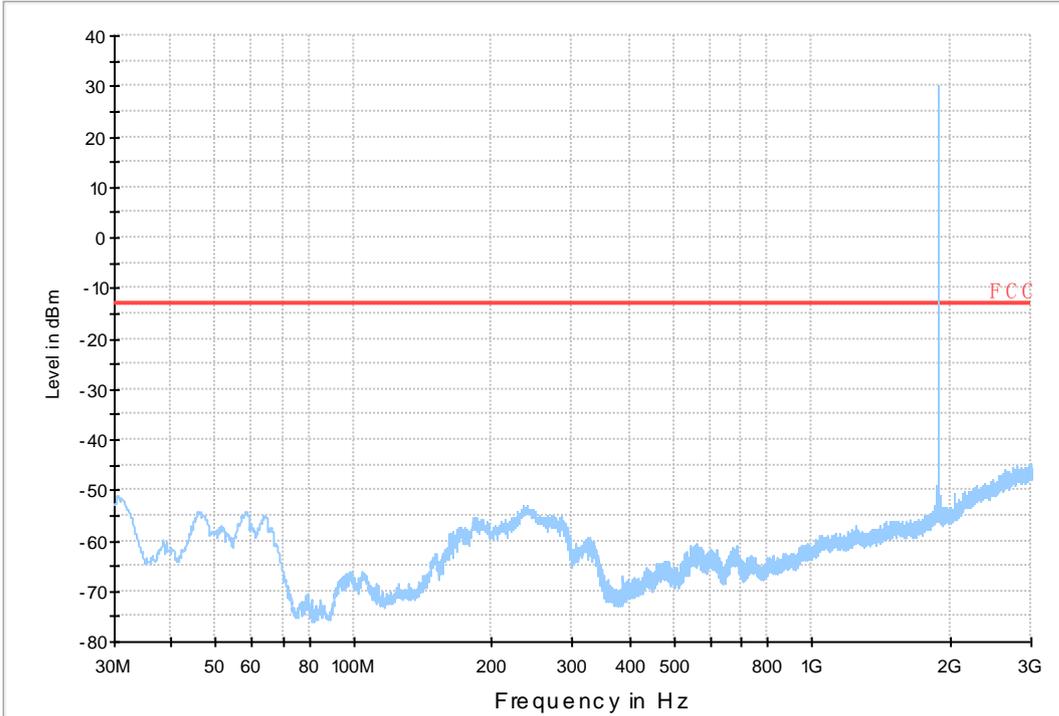


7.1.3 Test Band = GSM1900

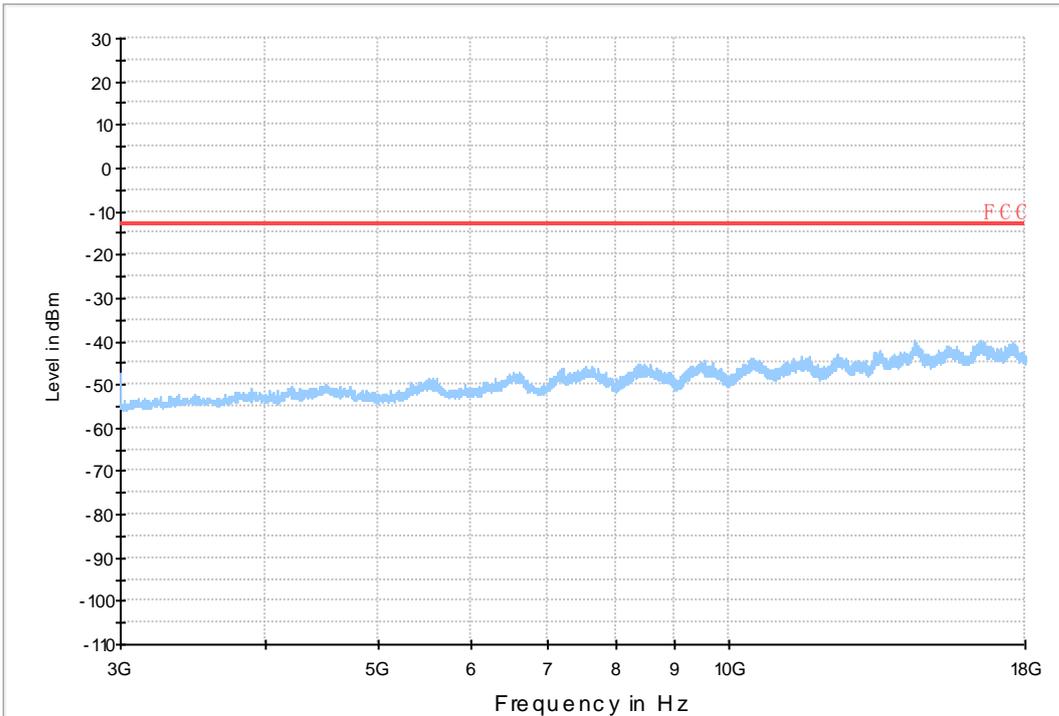
7.1.3.1 Test Mode = GSM/TM1

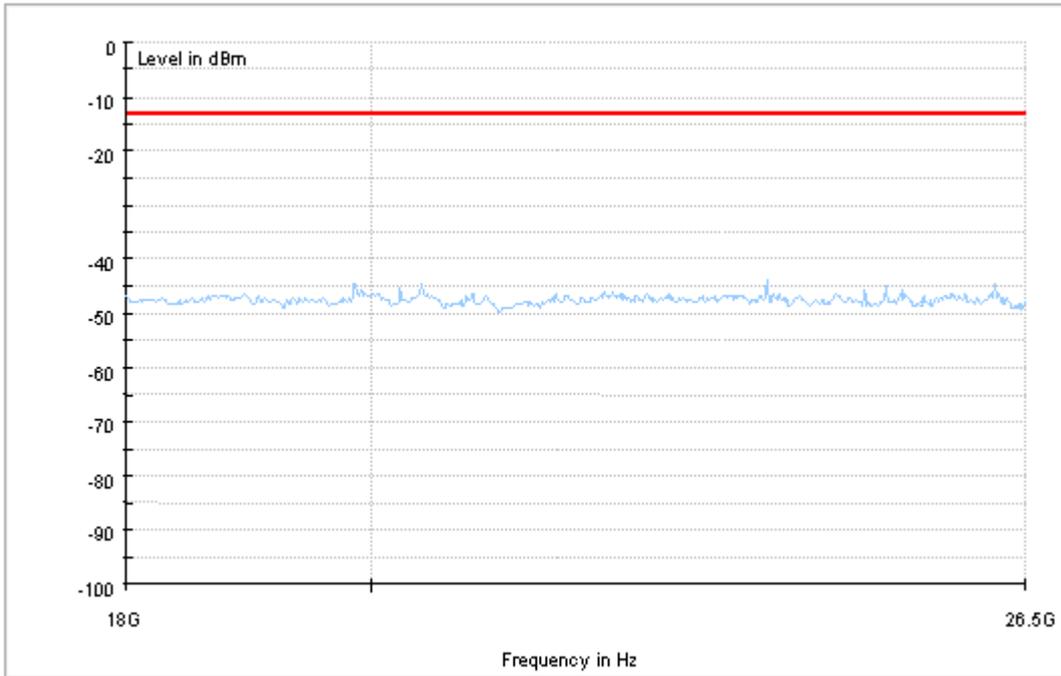


Copy of FCC PART24 GSM 1900_L



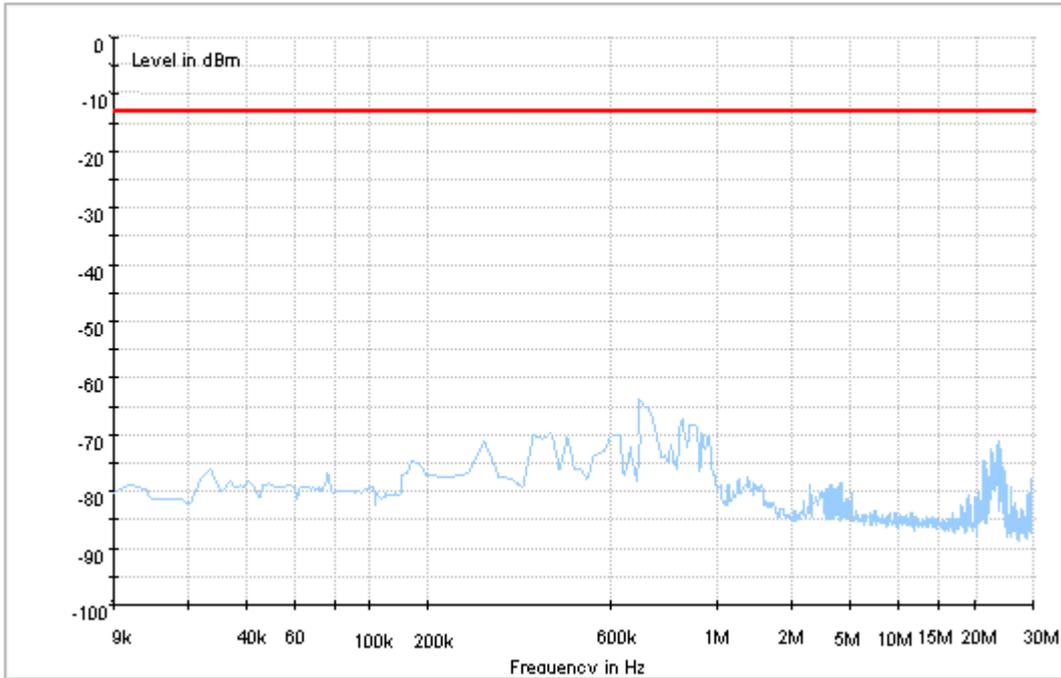
Copy of FCC PART24 GSM 1900_H



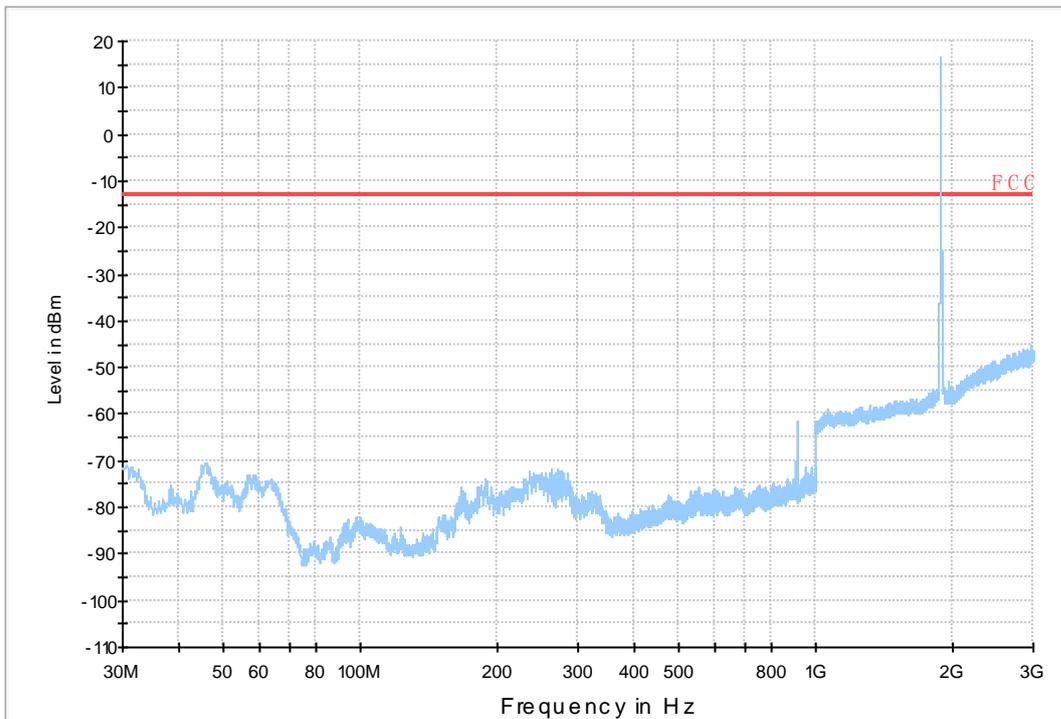


7.1.4 Test Band = WCDMA1900

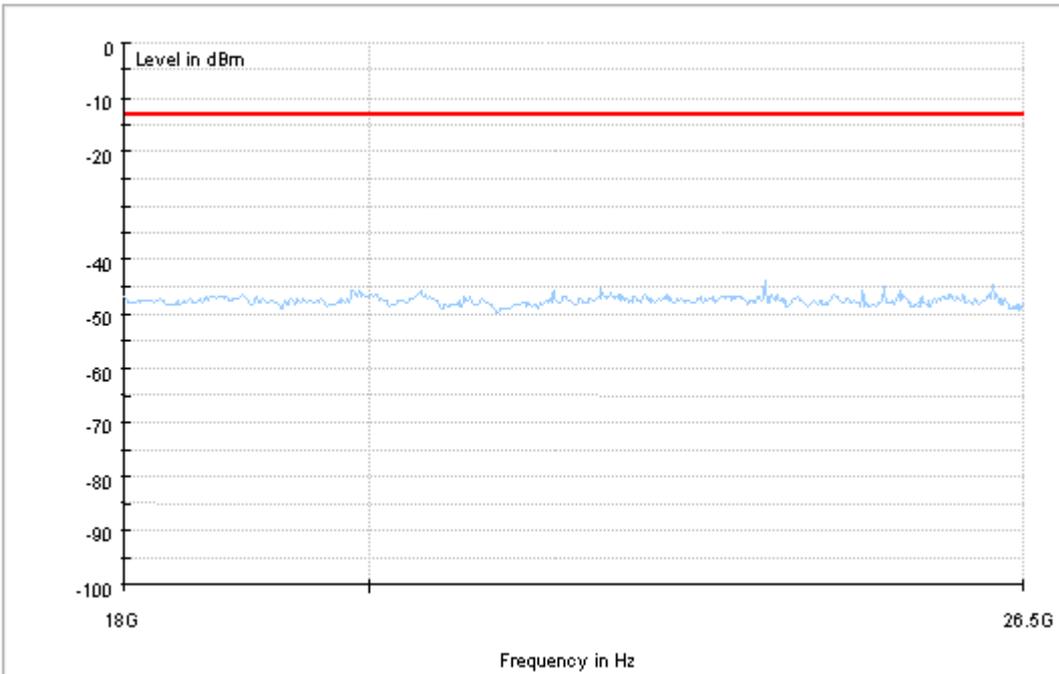
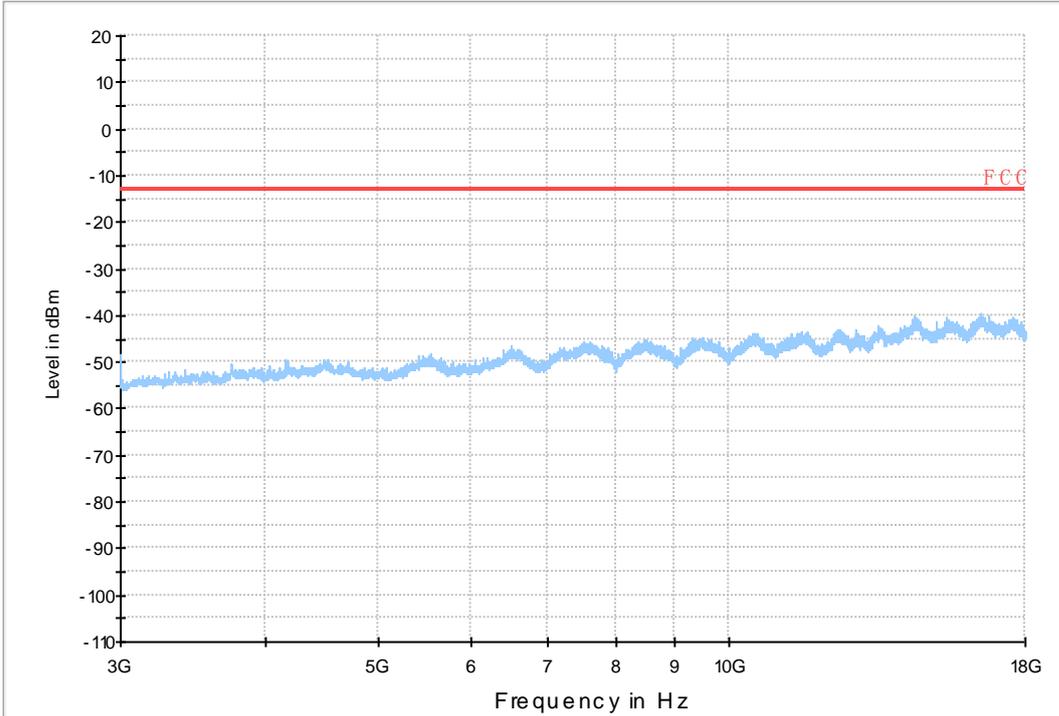
7.1.4.1 Test Mode = UMTS/TM1



Copy of FCC PART24 W CDMA1900_L

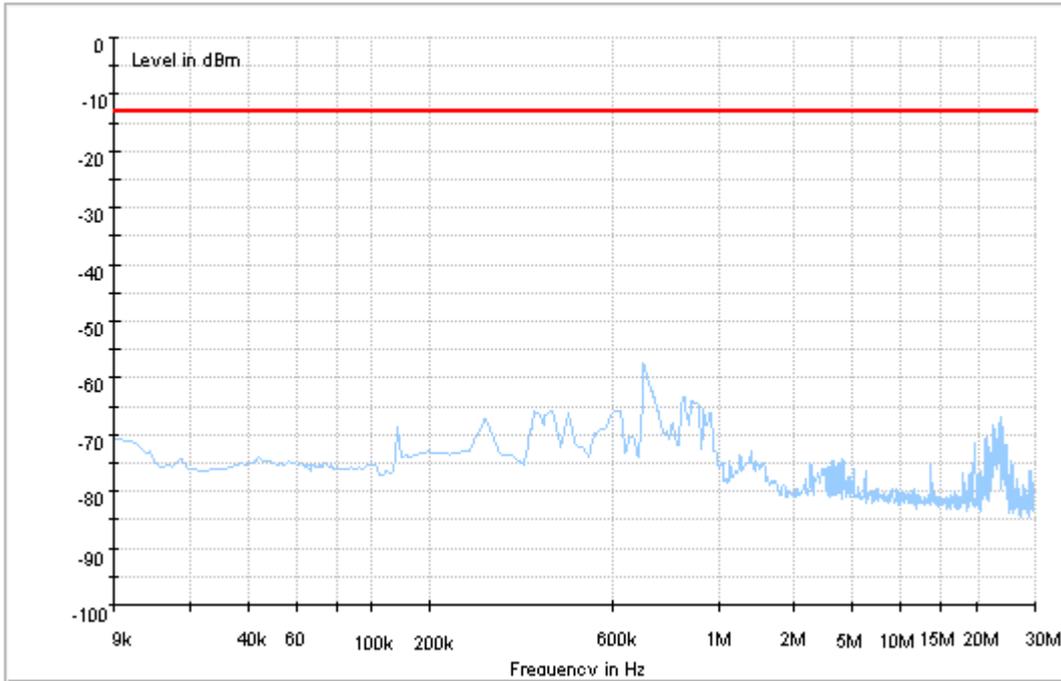


Copy of FCC PART24 W CDMA1900_H

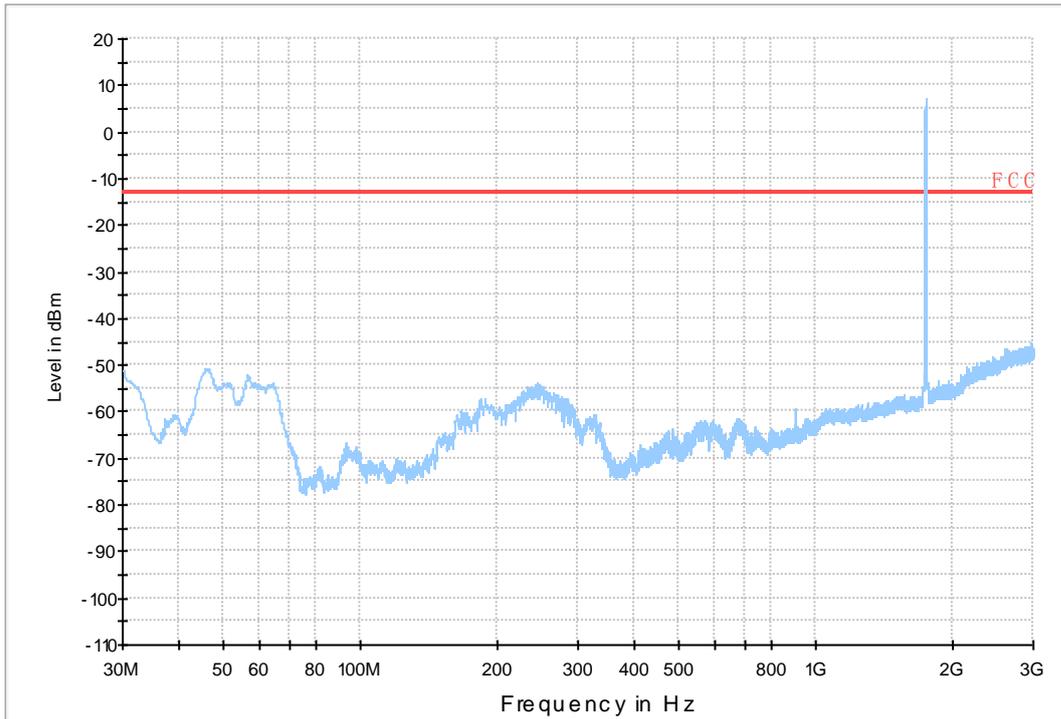


7.1.5 Test Band = WCDMA1700

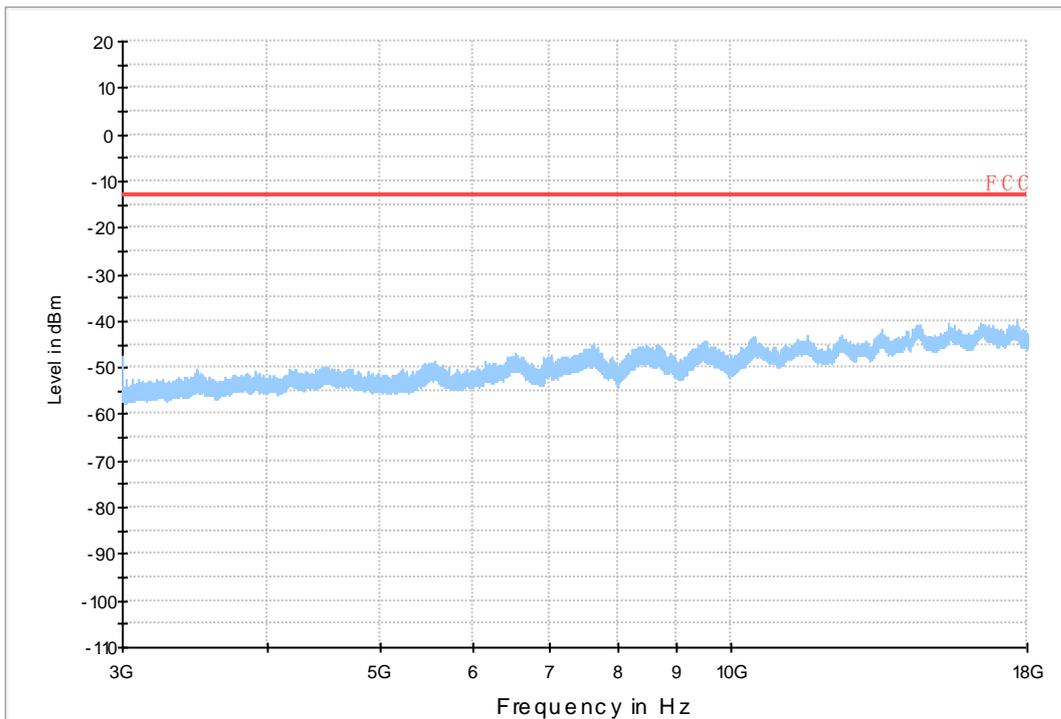
7.1.5.1 Test Mode = UMTS/TM1



Copy of FCC PART27 W CDMA1700_L



Copy of FCC PART27 W CDMA1700_H





8Appendix_H: Frequency Stability

8.1 For GSM

8.1.1 Frequency 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	-6.2	-0.00752	PASS
				VN	-5.94	-0.00721	PASS
				VH	-7.49	-0.00909	PASS
		MCH	TN	VL	-9.17	-0.01096	PASS
				VN	-5.68	-0.00679	PASS
				VH	-6.97	-0.00833	PASS
		HCH	TN	VL	-8.46	-0.00997	PASS
				VN	-11.62	-0.01369	PASS
				VH	-0.06	-0.00007	PASS
	GSM/TM2	LCH	TN	VL	-11.17	-0.01355	PASS
				VN	-14.59	-0.0177	PASS
				VH	-11.82	-0.01434	PASS
		MCH	TN	VL	-8.14	-0.00973	PASS
				VN	-13.75	-0.01644	PASS
				VH	-13.92	-0.01664	PASS
HCH	TN	VL	-1.39	-0.00164	PASS		
		VN	-14.24	-0.01678	PASS		
		VH	-11.33	-0.01335	PASS		
WCDMA850	UMTS/TM1	LCH	TN	VL	5.51	0.00667	PASS
				VN	1.65	0.002	PASS
				VH	1.42	0.00172	PASS
		MCH	TN	VL	-0.29	-0.00035	PASS
				VN	-12.83	-0.01534	PASS
				VH	-8.71	-0.01041	PASS
		HCH	TN	VL	-0.34	-0.0004	PASS
				VN	-12.71	-0.01501	PASS
				VH	2.21	0.00261	PASS
GSM1900	GSM/TM1	LCH	TN	VL	7.62	0.00412	PASS
				VN	5.29	0.00286	PASS
				VH	13.11	0.00709	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	13.3	0.00707	PASS
				VN	14.01	0.00745	PASS
				VH	14.4	0.00766	PASS
		HCH	TN	VL	23.25	0.01217	PASS
				VN	18.85	0.00987	PASS
				VH	19.44	0.01018	PASS
	GSM/TM2	LCH	TN	VL	-3.2	-0.00173	PASS
				VN	-12.98	-0.00702	PASS
				VH	-16.27	-0.00879	PASS
		MCH	TN	VL	-5.62	-0.00299	PASS
				VN	-0.39	-0.00021	PASS
				VH	-11.88	-0.00632	PASS
		HCH	TN	VL	-5.55	-0.00291	PASS
				VN	-2.26	-0.00118	PASS
				VH	12.43	0.00651	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-3.43	-0.00185	PASS
				VN	-8.3	-0.00448	PASS
				VH	5.81	0.00314	PASS
		MCH	TN	VL	-2.91	-0.00155	PASS
				VN	6.12	0.00326	PASS
				VH	-13.11	-0.00697	PASS
		HCH	TN	VL	-5.22	-0.00274	PASS
				VN	1.34	0.0007	PASS
				VH	4.68	0.00245	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	5.4	0.00315	PASS
				VN	4.76	0.00278	PASS
				VH	12.31	0.00719	PASS
		MCH	TN	VL	7.57	0.00437	PASS
				VN	3.91	0.00226	PASS
				VH	6.93	0.004	PASS
		HCH	TN	VL	1.77	0.00101	PASS
				VN	-0.27	-0.00015	PASS
				VH	1.68	0.00096	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	-9.56	-0.0116	PASS
				-20	-7.04	-0.00854	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
				-10	-12.79	-0.01552	PASS			
				0	-8.72	-0.01058	PASS			
				10	-9.69	-0.01176	PASS			
				20	-7.36	-0.00893	PASS			
				30	-9.62	-0.01167	PASS			
				40	-12.46	-0.01512	PASS			
				50	-8.72	-0.01058	PASS			
		MCH	VN			-30	6.07	0.00726	PASS	
						-20	-6.2	-0.00741	PASS	
						-10	-5.1	-0.0061	PASS	
						0	-3.03	-0.00362	PASS	
						10	-6.78	-0.0081	PASS	
						20	-10.01	-0.01197	PASS	
						30	-6.2	-0.00741	PASS	
						40	-9.3	-0.01112	PASS	
						50	-10.98	-0.01312	PASS	
		HCH	VN			-30	-10.14	-0.01195	PASS	
						-20	-1.87	-0.0022	PASS	
						-10	-6.13	-0.00722	PASS	
						0	-13.56	-0.01598	PASS	
						10	-3.1	-0.00365	PASS	
						20	-7.23	-0.00852	PASS	
						30	-4.39	-0.00517	PASS	
						40	-5.36	-0.00631	PASS	
						50	-10.91	-0.01285	PASS	
		GSM/TM2	LCH	VN		-30	-15.17	-0.01841	PASS	
						-20	-18.98	-0.02303	PASS	
						-10	-7.97	-0.00967	PASS	
						0	-8.91	-0.01081	PASS	
						10	-17.08	-0.02072	PASS	
						20	-14.92	-0.0181	PASS	
						30	-9.81	-0.0119	PASS	
						40	-11.85	-0.01438	PASS	
						50	-16.69	-0.02025	PASS	
			MCH	VN			-30	-8.59	-0.01027	PASS
							-20	-5.46	-0.00653	PASS
							-10	-7.17	-0.00857	PASS
							0	-13.88	-0.01659	PASS
							10	-7.46	-0.00892	PASS
							20	-12.91	-0.01543	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				30	-6.81	-0.00814	PASS		
				40	-12.3	-0.0147	PASS		
				50	-4.33	-0.00518	PASS		
		HCH	VN			-30	-9.56	-0.01126	PASS
						-20	-27.09	-0.03192	PASS
						-10	-10.23	-0.01205	PASS
						0	-19.24	-0.02267	PASS
						10	-13.92	-0.0164	PASS
						20	-16.08	-0.01894	PASS
						30	-11.46	-0.0135	PASS
						40	-16.47	-0.0194	PASS
						50	-11.3	-0.01331	PASS
						WCDMA850	UMTS/TM1	LCH	VN
-20	-6.45	-0.0078	PASS						
-10	0.93	0.00113	PASS						
0	-7.31	-0.00885	PASS						
10	-2.2	-0.00266	PASS						
20	-3.6	-0.00436	PASS						
30	-3.37	-0.00408	PASS						
40	5.22	0.00632	PASS						
50	-6.7	-0.00811	PASS						
MCH	VN			-30	2.23				
				-20	3.57			0.00427	PASS
				-10	11.69			0.01398	PASS
				0	0.02			0.00002	PASS
				10	-5.55			-0.00664	PASS
				20	-14.21			-0.01699	PASS
				30	1.37			0.00164	PASS
				40	13.73			0.01642	PASS
				50	-4.99			-0.00597	PASS
				HCH	VN				
-20	0.81	0.00096	PASS						
-10	-0.84	-0.00099	PASS						
0	0.79	0.00093	PASS						
10	5.74	0.00678	PASS						
20	0.02	0.00002	PASS						
30	3.63	0.00429	PASS						
40	-3.31	-0.00391	PASS						
50	0.31	0.00037	PASS						
GSM1900	GSM/TM1	LCH	VN						



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				-20	14.46	0.00782	PASS		
				-10	10.98	0.00593	PASS		
				0	12.07	0.00652	PASS		
				10	6.78	0.00366	PASS		
				20	4.71	0.00255	PASS		
				30	20.08	0.01085	PASS		
				40	1.03	0.00056	PASS		
				50	13.04	0.00705	PASS		
		MCH	VN			-30	20.34	0.01082	PASS
						-20	16.27	0.00865	PASS
						-10	7.3	0.00388	PASS
						0	14.59	0.00776	PASS
						10	34.03	0.0181	PASS
						20	12.79	0.0068	PASS
						30	22.6	0.01202	PASS
						40	19.37	0.0103	PASS
		HCH	VN			50	22.47	0.01195	PASS
						-30	21.63	0.01133	PASS
						-20	19.82	0.01038	PASS
						-10	15.37	0.00805	PASS
						0	19.31	0.01011	PASS
						10	21.31	0.01116	PASS
						20	24.67	0.01292	PASS
						30	12.46	0.00652	PASS
		LCH	VN			40	18.27	0.00957	PASS
						50	13.04	0.00683	PASS
						-30	-4.33	-0.00234	PASS
						-20	-4.84	-0.00262	PASS
						-10	-2.07	-0.00112	PASS
						0	-4.39	-0.00237	PASS
						10	-3.2	-0.00173	PASS
						20	3.78	0.00204	PASS
						30	-9.94	-0.00537	PASS
						40	-5.81	-0.00314	PASS
		MCH	VN			50	-19.69	-0.01064	PASS
						-30	6.01	0.0032	PASS
						-20	4.71	0.00251	PASS
						-10	6.23	0.00331	PASS
						0	-3.39	-0.0018	PASS
						10	-5.68	-0.00302	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				20	-6.52	-0.00347	PASS		
				30	-2.45	-0.0013	PASS		
				40	0.55	0.00029	PASS		
				50	-3.81	-0.00203	PASS		
		HCH	VN			-30	8.91	0.00467	PASS
						-20	1	0.00052	PASS
						-10	5.04	0.00264	PASS
						0	-5.81	-0.00304	PASS
						10	7.91	0.00414	PASS
						20	-1.61	-0.00084	PASS
						30	6.07	0.00318	PASS
						40	-11.62	-0.00608	PASS
						50	3.03	0.00159	PASS
						WCDMA1900	UMTS/TM1	LCH	VN
-20	-13	-0.00702	PASS						
-10	12.86	0.00694	PASS						
0	8.74	0.00472	PASS						
10	5.66	0.00306	PASS						
20	14.77	0.00797	PASS						
30	2.32	0.00125	PASS						
40	1.63	0.00088	PASS						
50	1.79	0.00097	PASS						
MCH	VN			-30	-0.63				
				-20	-6.68			-0.00355	PASS
				-10	-12.07			-0.00642	PASS
				0	-1.79			-0.00095	PASS
				10	-16.04			-0.00853	PASS
				20	3.11			0.00165	PASS
				30	-10.5			-0.00559	PASS
				40	-4.7			-0.0025	PASS
				50	0.34			0.00018	PASS
				HCH	VN				
-20	10.03	0.00526	PASS						
-10	0.26	0.00014	PASS						
0	0.87	0.00046	PASS						
10	-15.66	-0.00821	PASS						
20	-13.4	-0.00702	PASS						
30	-13.49	-0.00707	PASS						
40	-3.22	-0.00169	PASS						
50	-8.21	-0.0043	PASS						



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA1700	UMTS/TM1	LCH	VN	-30	-8.22	-0.0048	PASS
				-20	-6	-0.0035	PASS
				-10	-3.34	-0.00195	PASS
				0	4.87	0.00284	PASS
				10	-1.71	-0.001	PASS
				20	-2.66	-0.00155	PASS
				30	10.51	0.00614	PASS
				40	8.29	0.00484	PASS
				50	6.01	0.00351	PASS
		MCH	VN	-30	-5.22	-0.00301	PASS
				-20	0.82	0.00047	PASS
				-10	0.17	0.0001	PASS
				0	2.06	0.00119	PASS
				10	2.38	0.00137	PASS
				20	1.89	0.00109	PASS
				30	-1.71	-0.00099	PASS
				40	-0.4	-0.00023	PASS
				50	-2.08	-0.0012	PASS
		HCH	VN	-30	-7.35	-0.00419	PASS
				-20	-5.71	-0.00326	PASS
				-10	-3.14	-0.00179	PASS
				0	5.78	0.0033	PASS
				10	-1.65	-0.00094	PASS
				20	0.98	0.00056	PASS
				30	4.76	0.00272	PASS
				40	10.8	0.00616	PASS
				50	-3.19	-0.00182	PASS

END