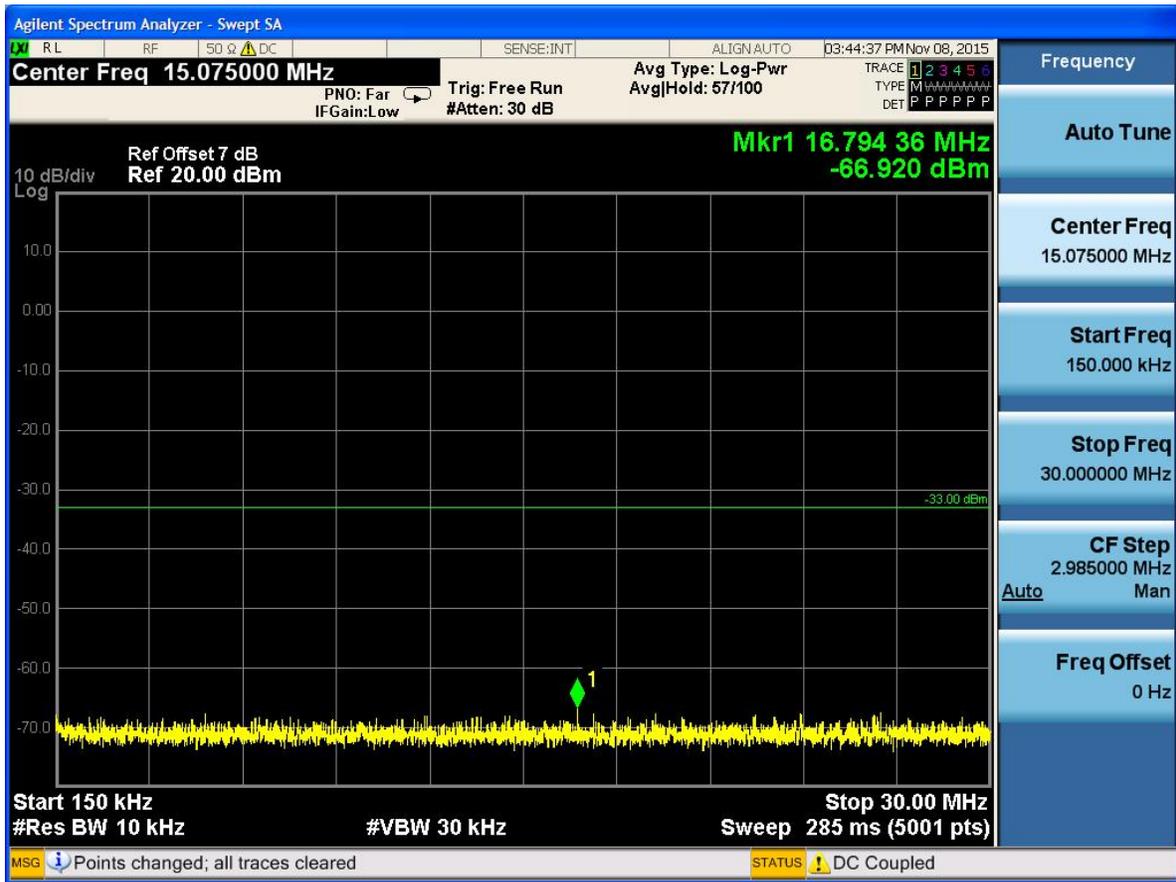


6.1.2 Test Band = GSM1900

6.1.2.1 Test Mode = GSM/TM1

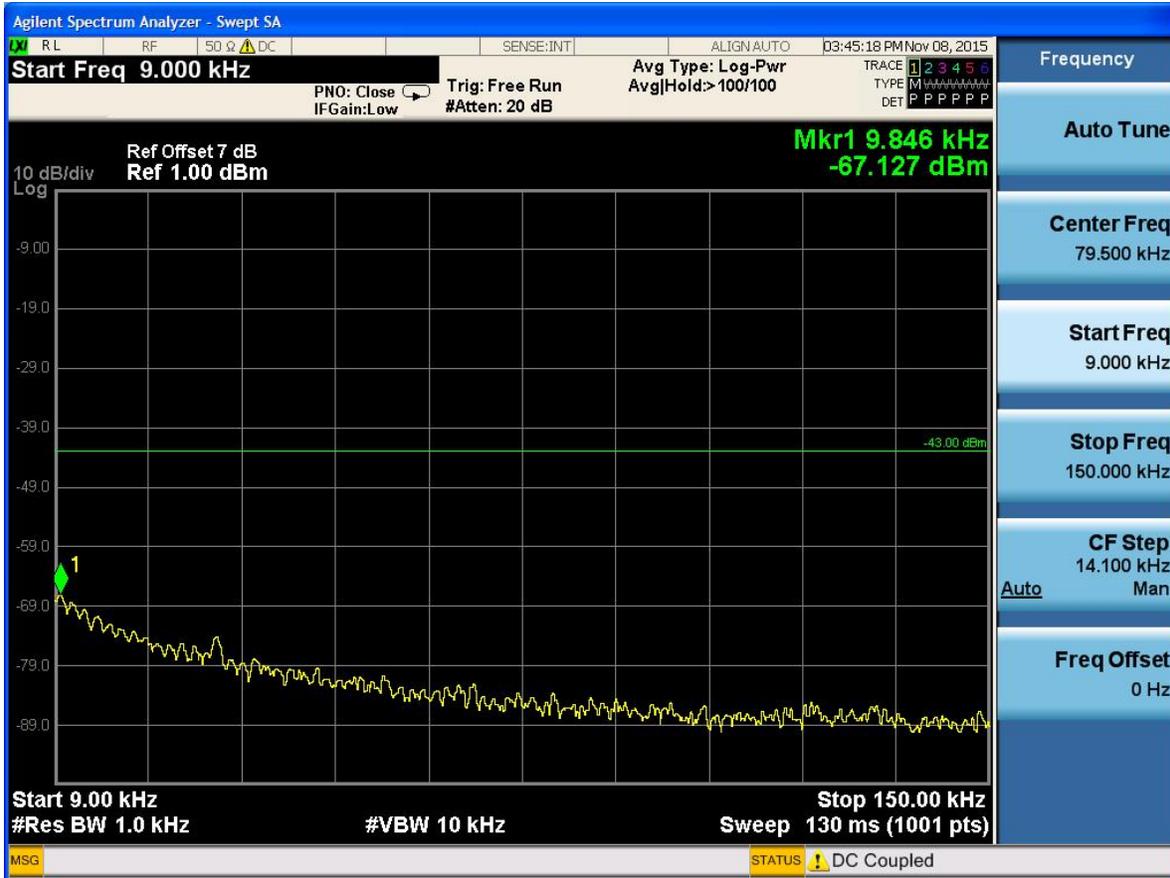
6.1.2.1.1 Test Channel = LCH

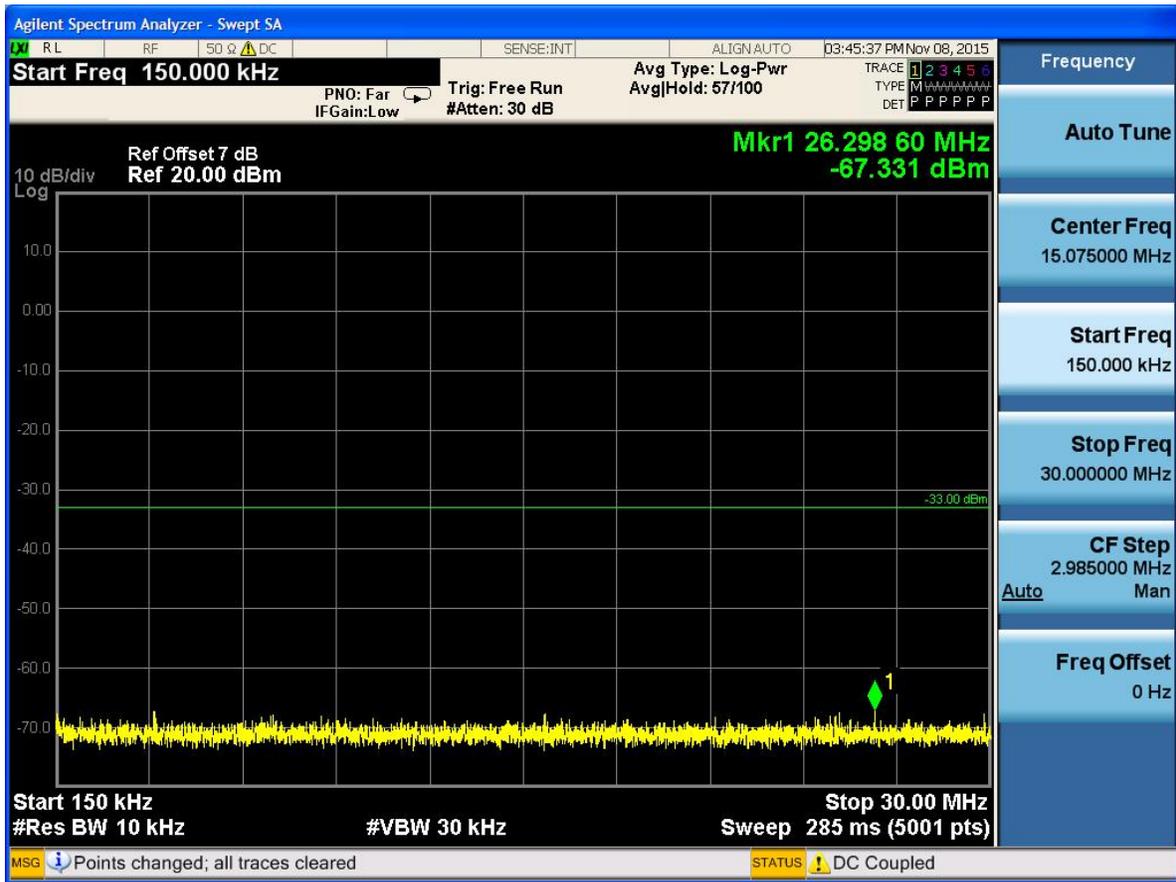




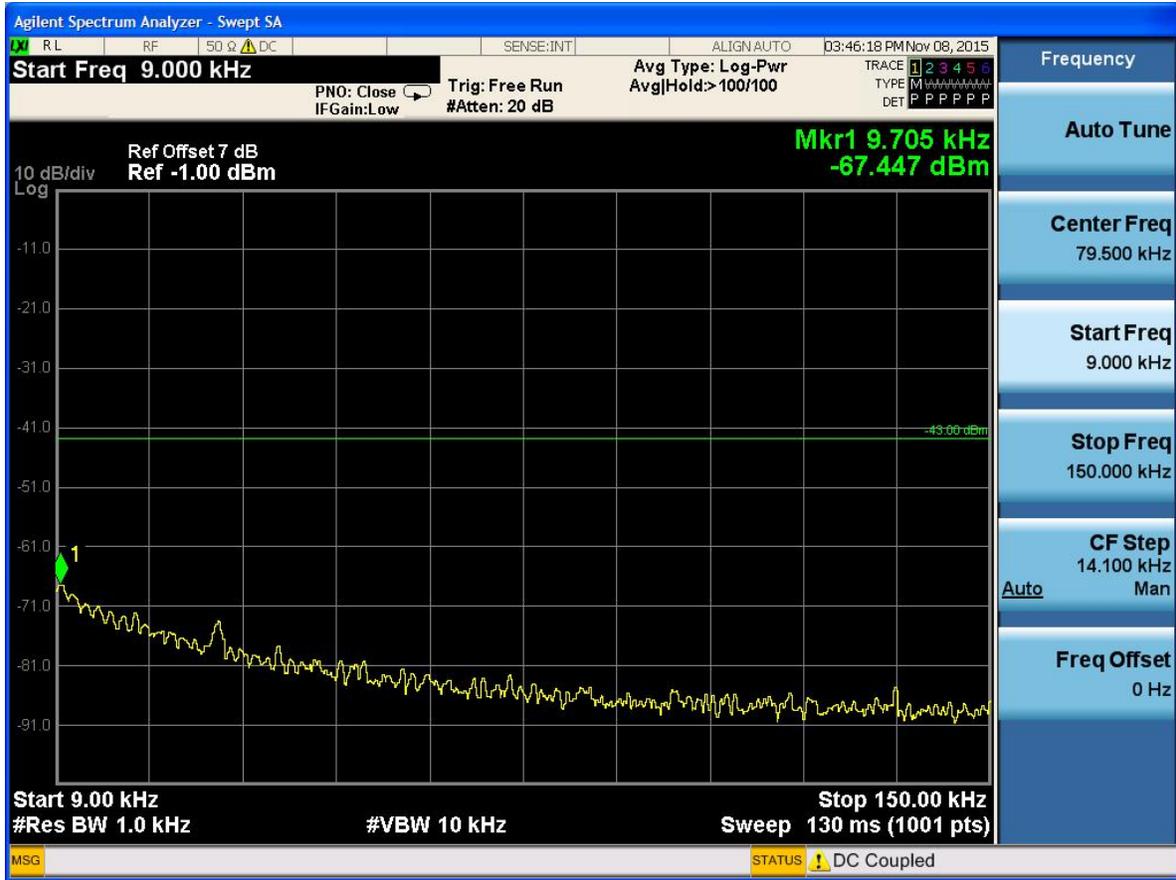


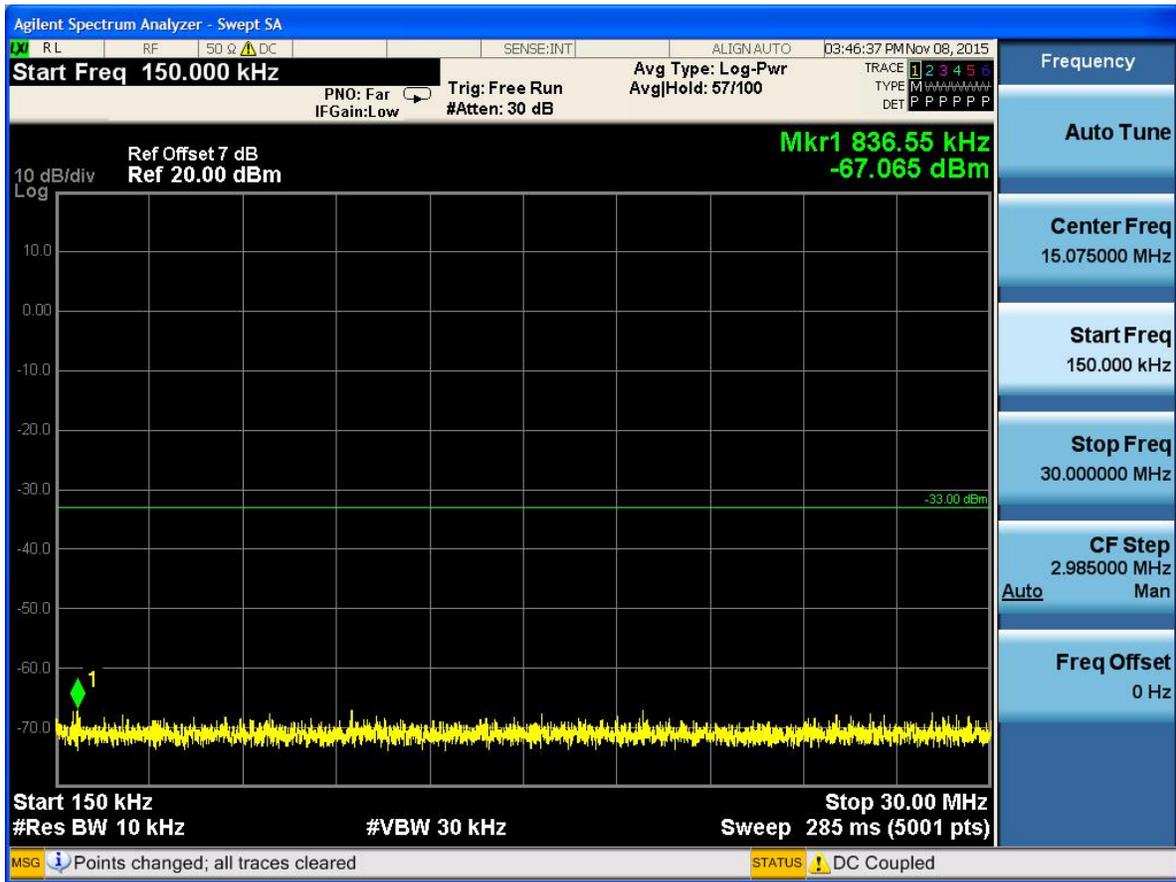
6.1.2.1.2 Test Channel = MCH





6.1.2.1.3 Test Channel = HCH

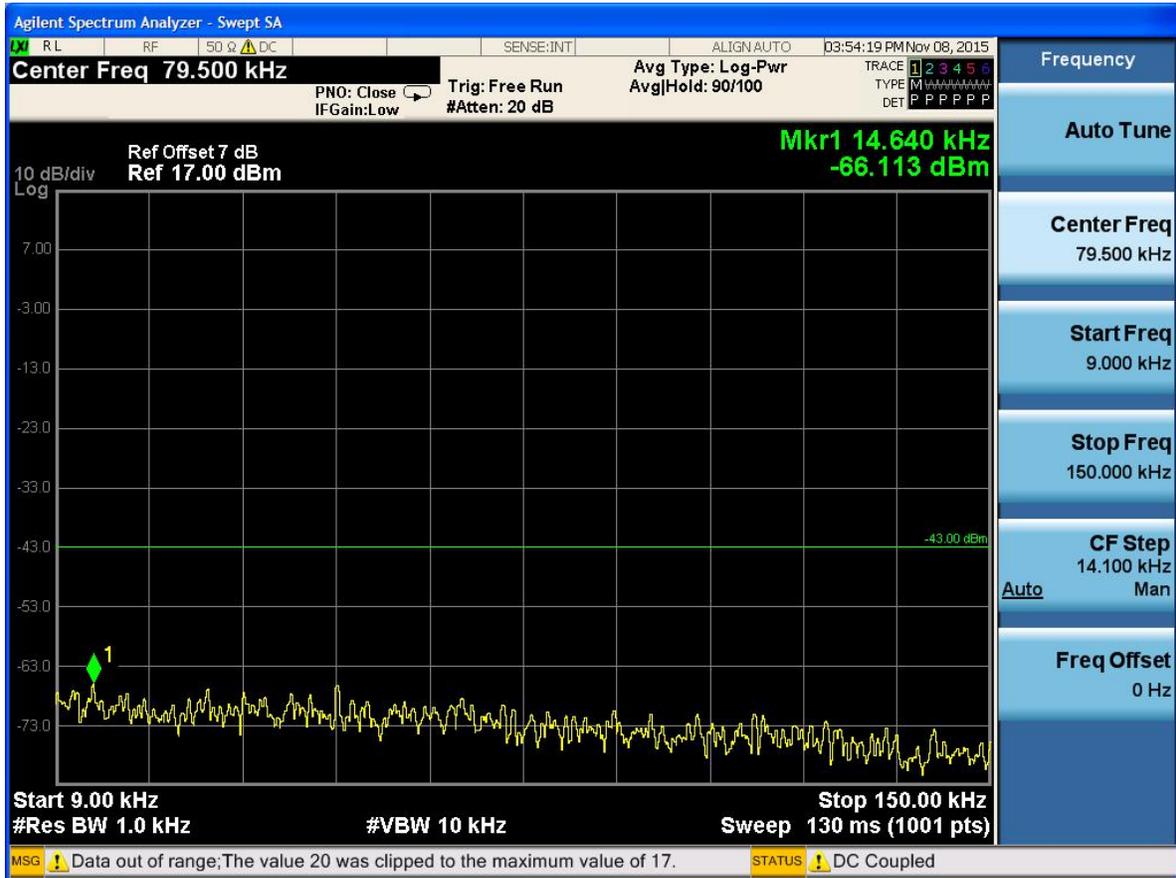


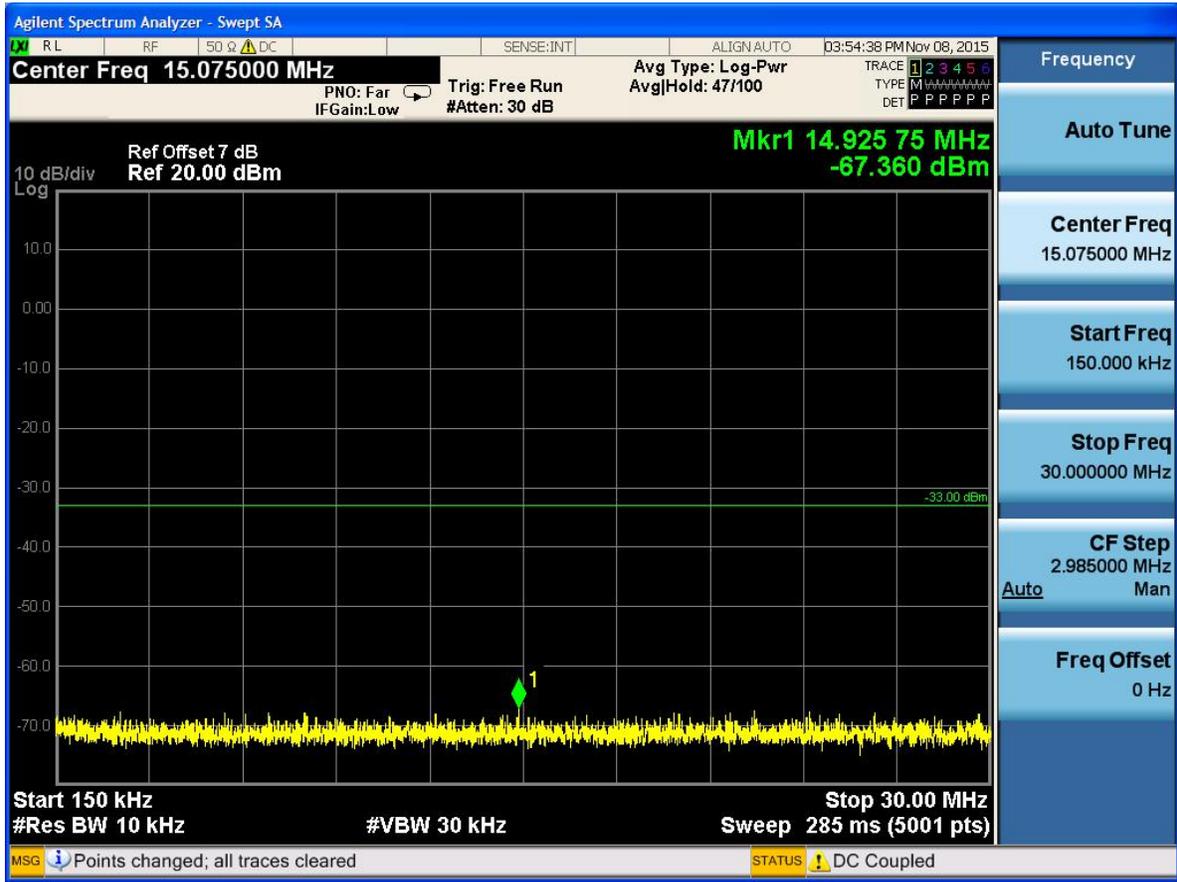


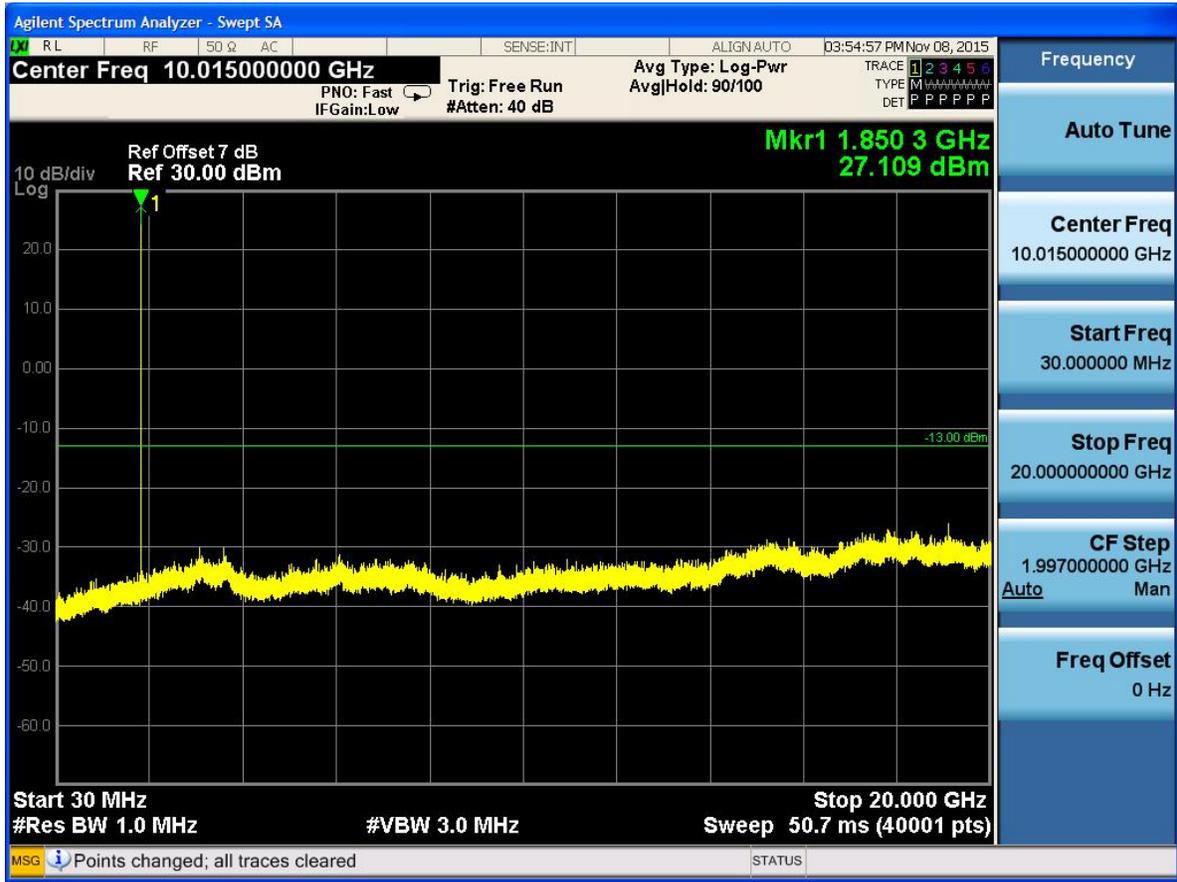


6.1.2.2 Test Mode = GSM/TM2

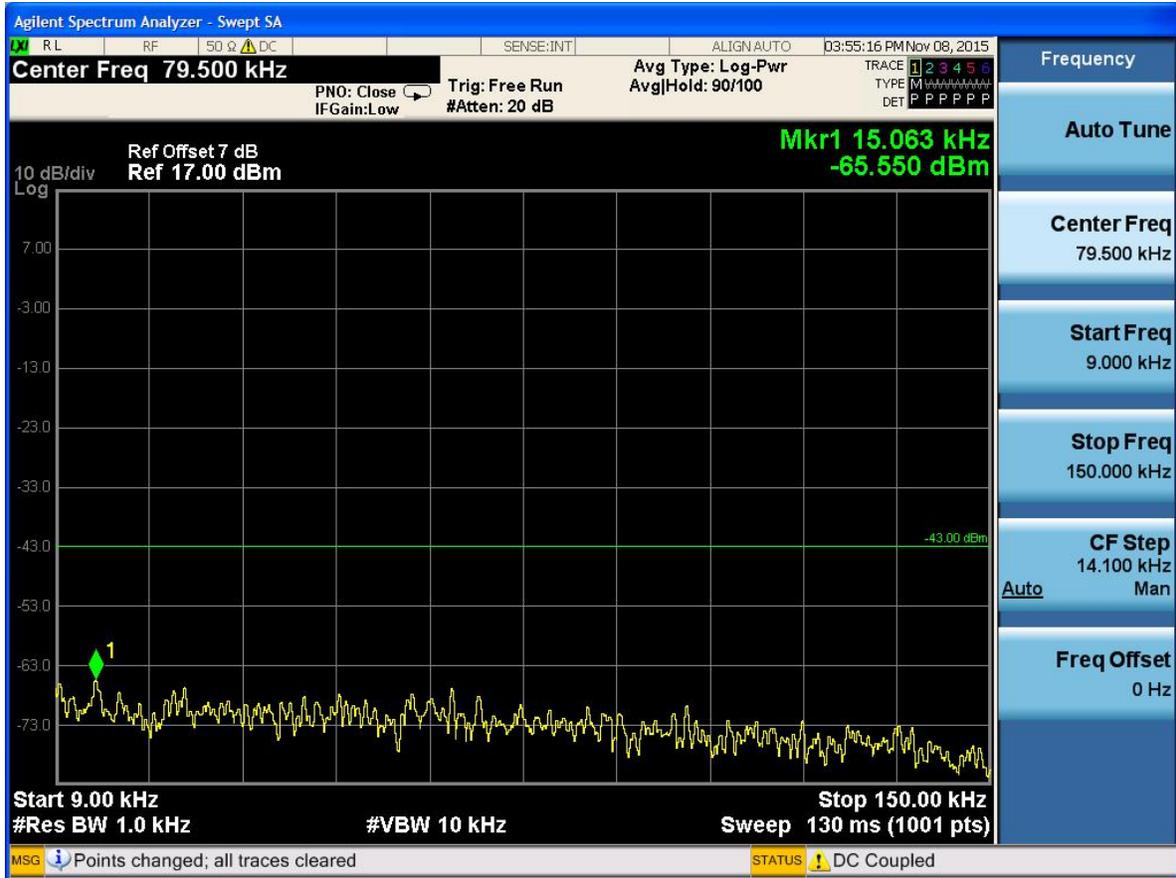
6.1.2.2.1 Test Channel = LCH

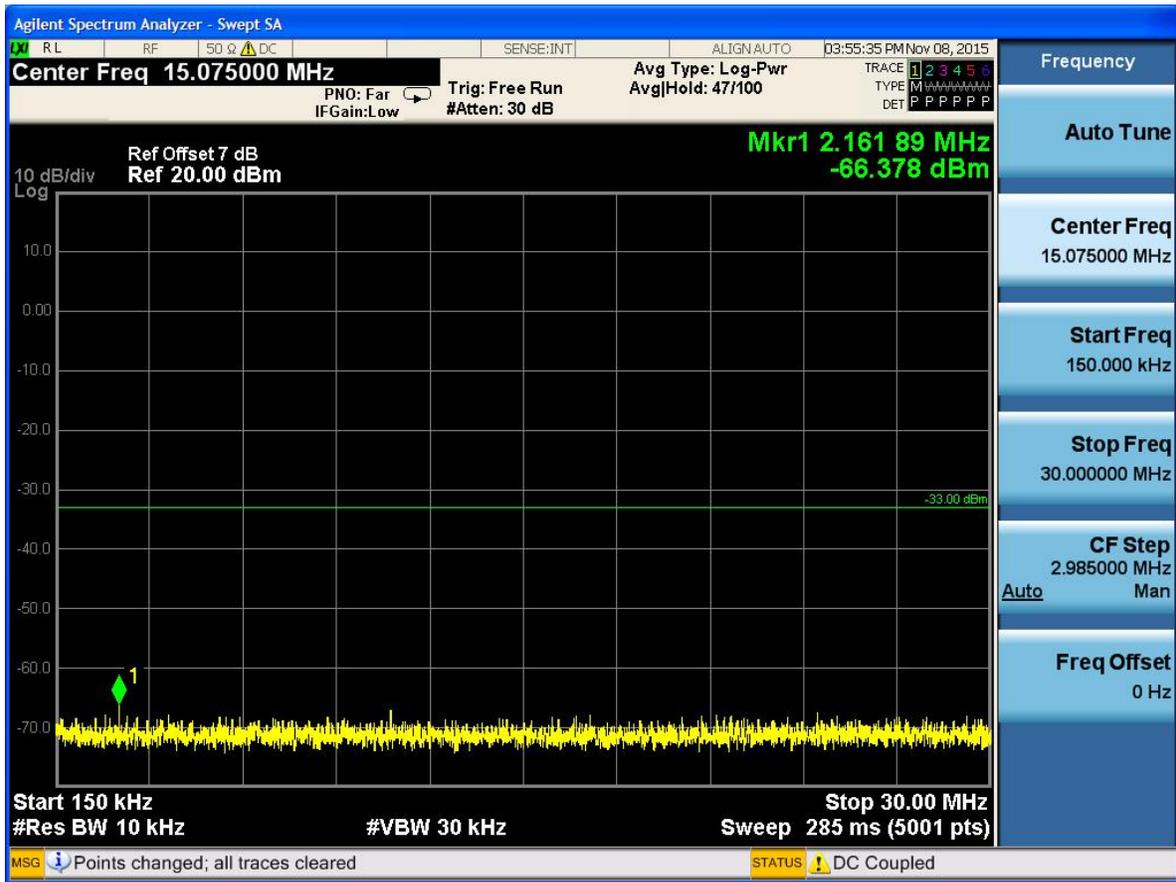


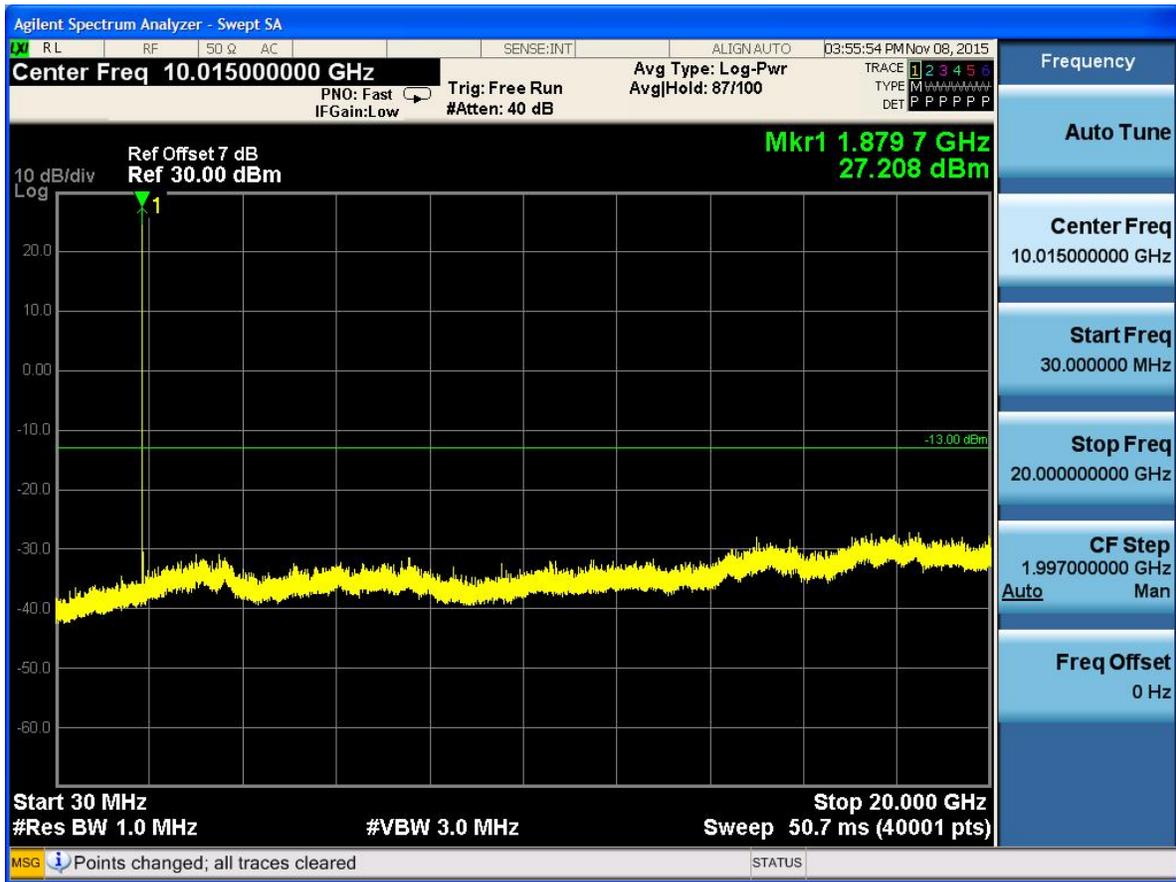




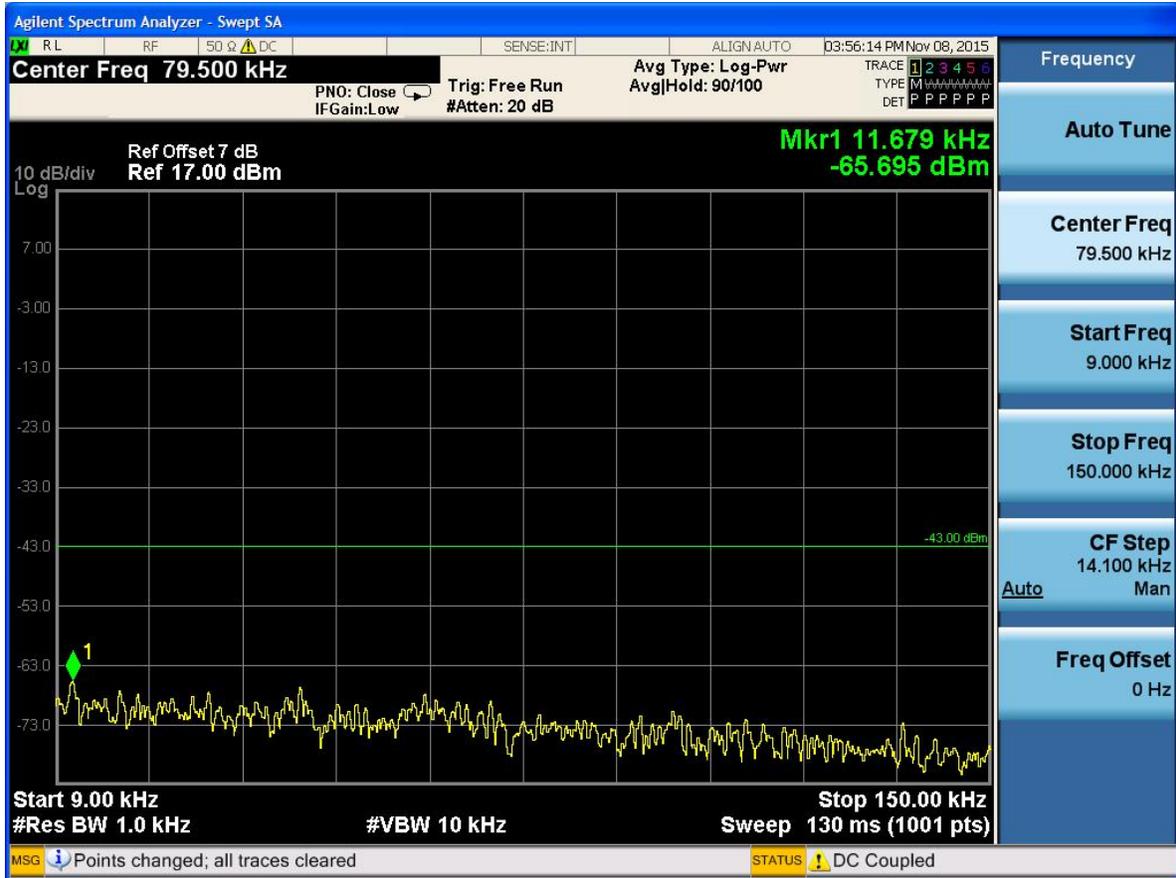
6.1.2.2.2 Test Channel = MCH

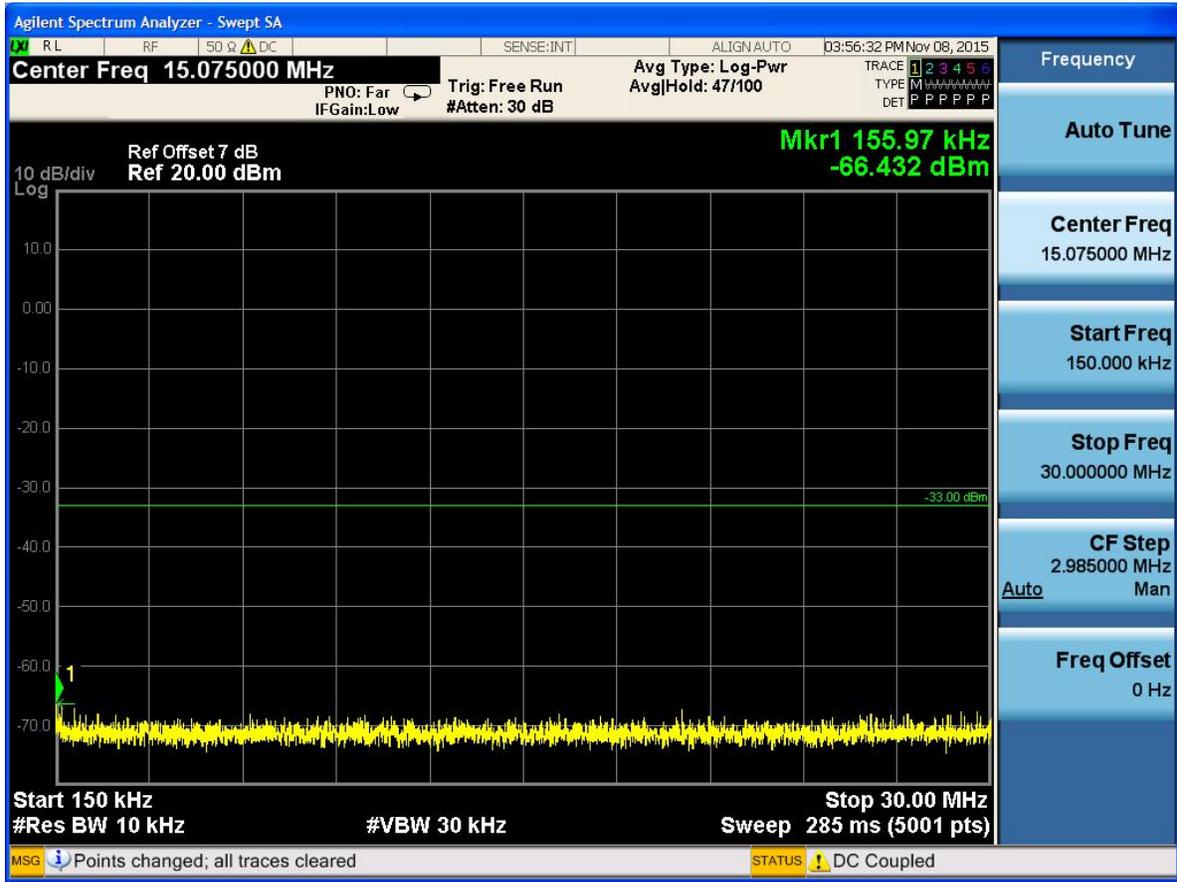






6.1.2.2.3 Test Channel = HCH





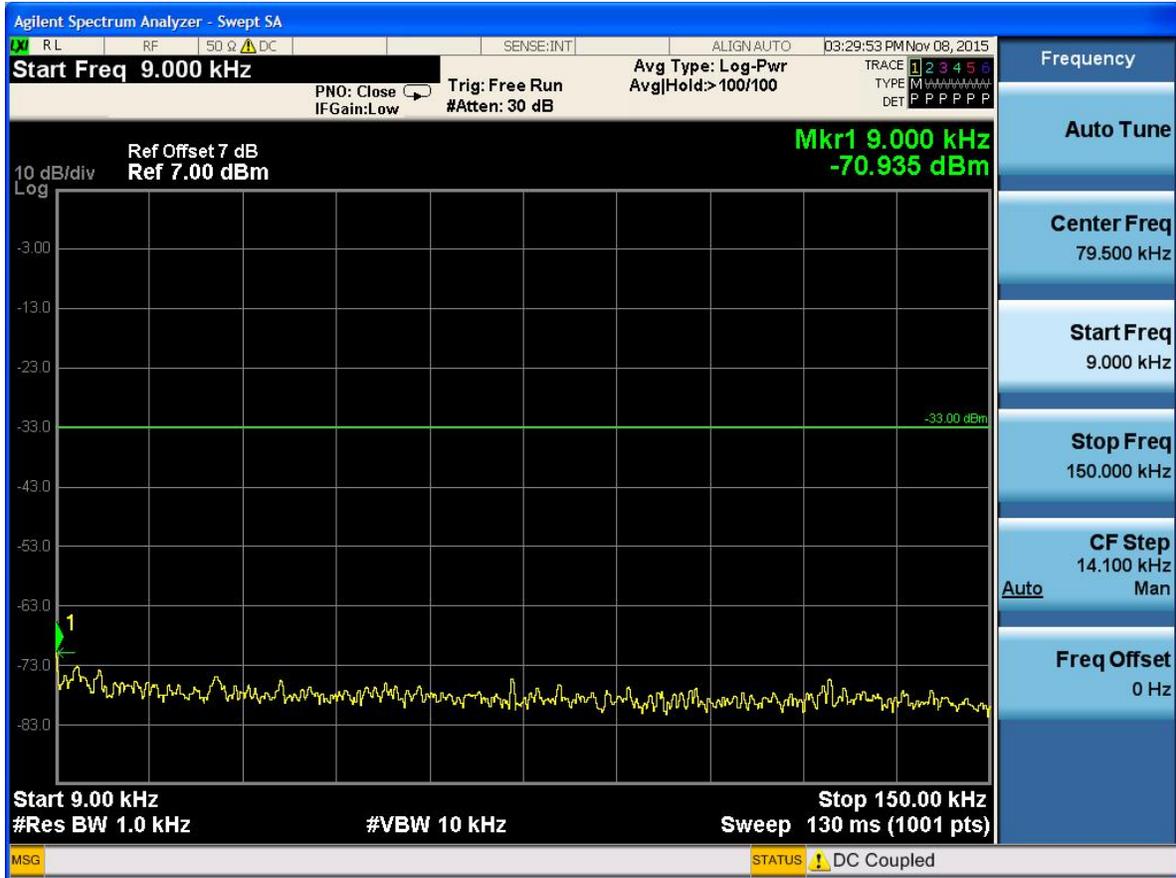


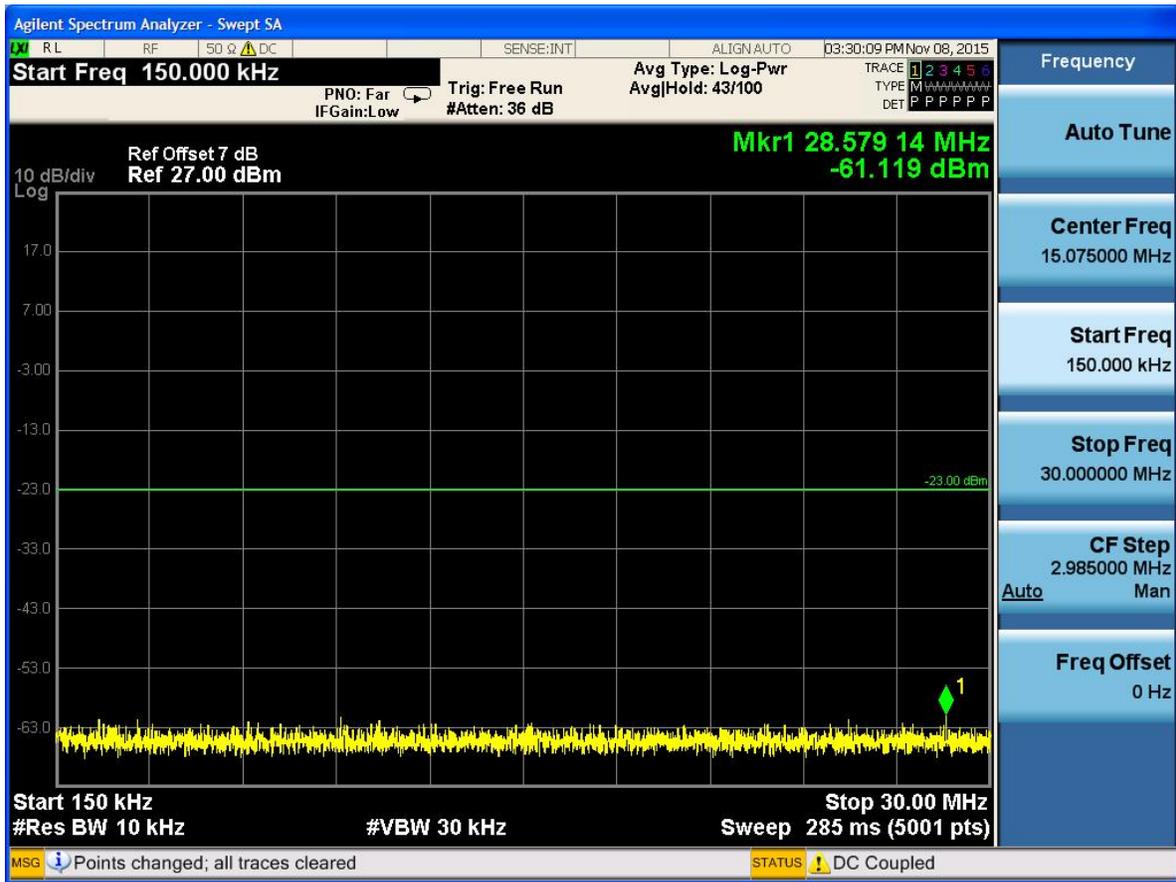
6.2 For UMTS

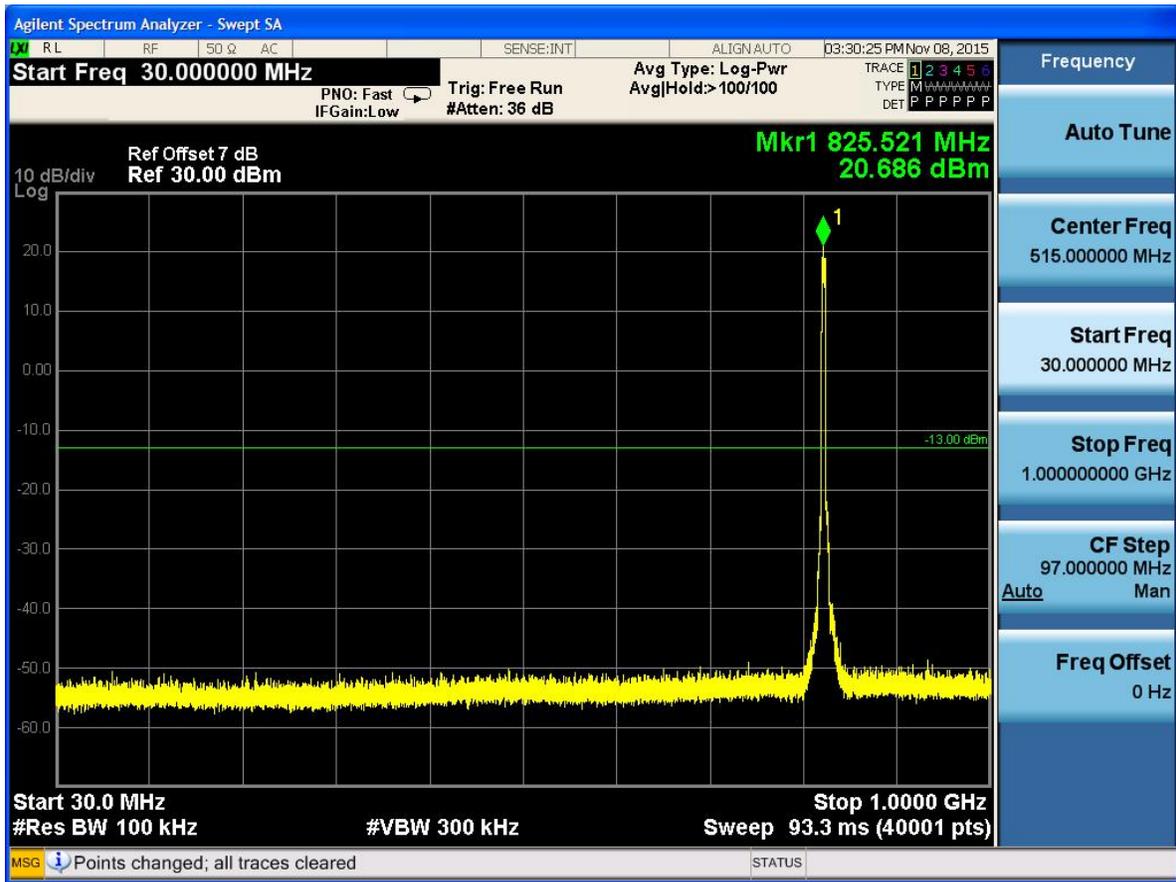
6.2.1 Test Band = WCDMA850

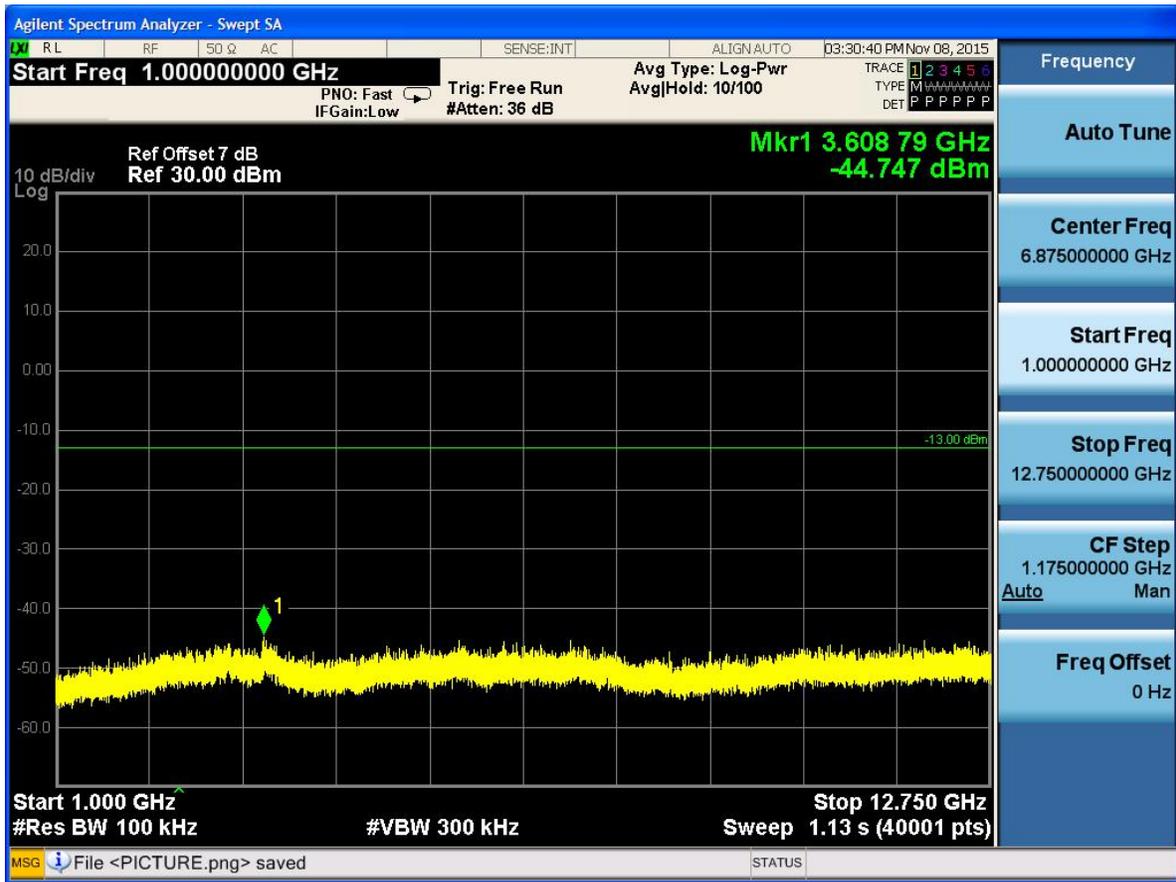
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH

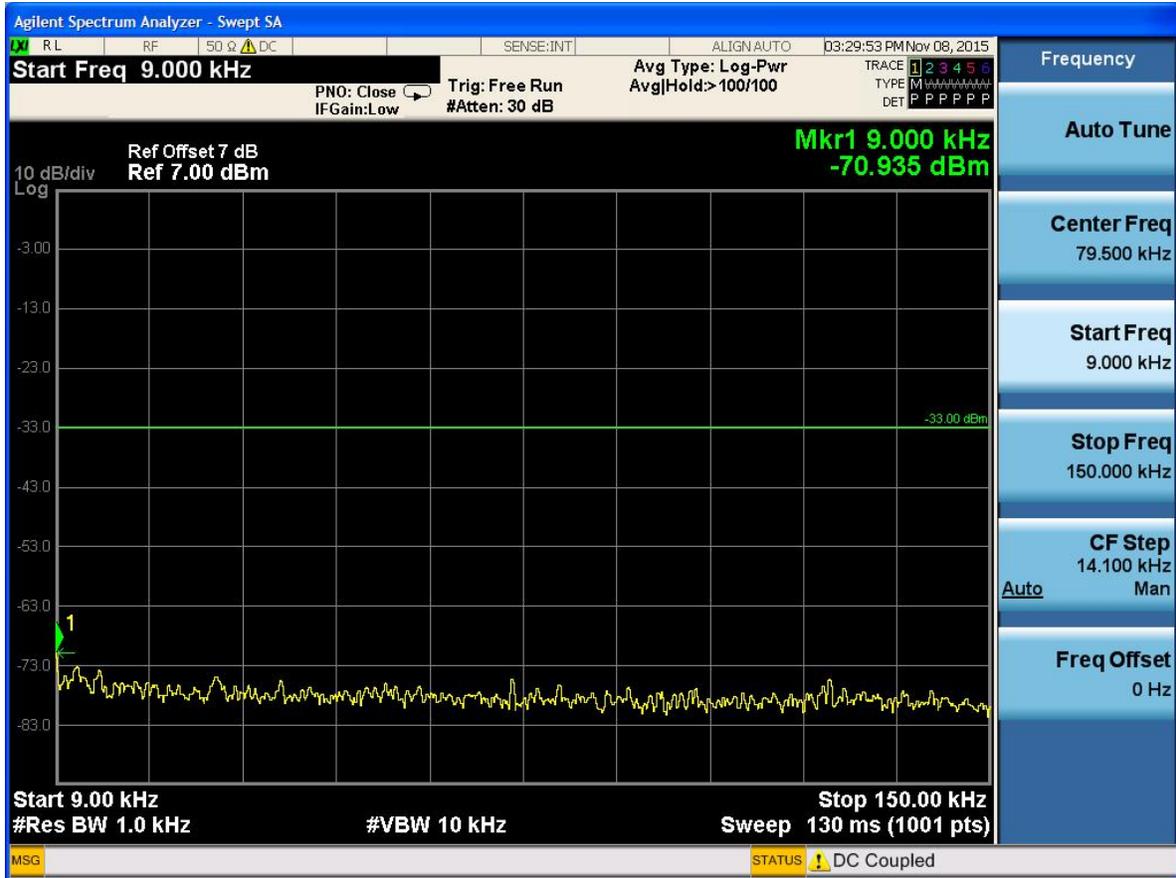


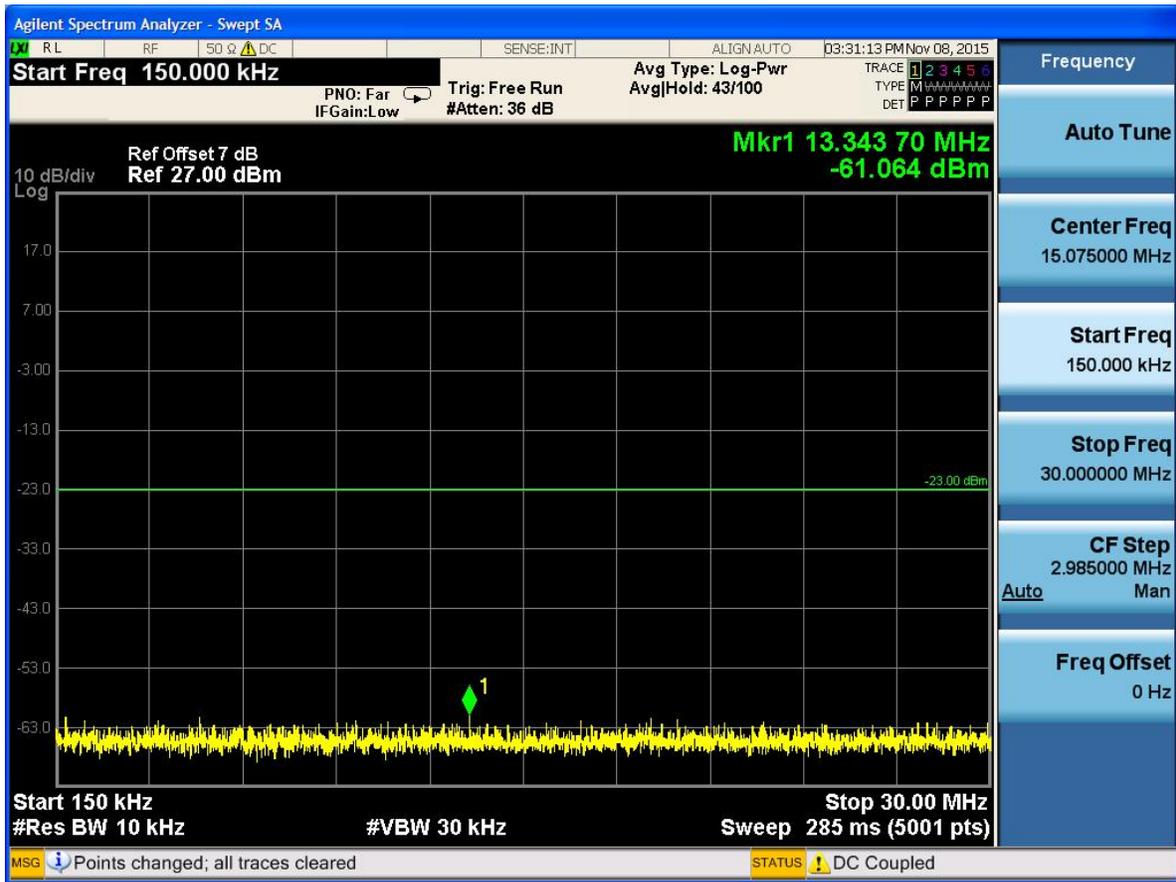


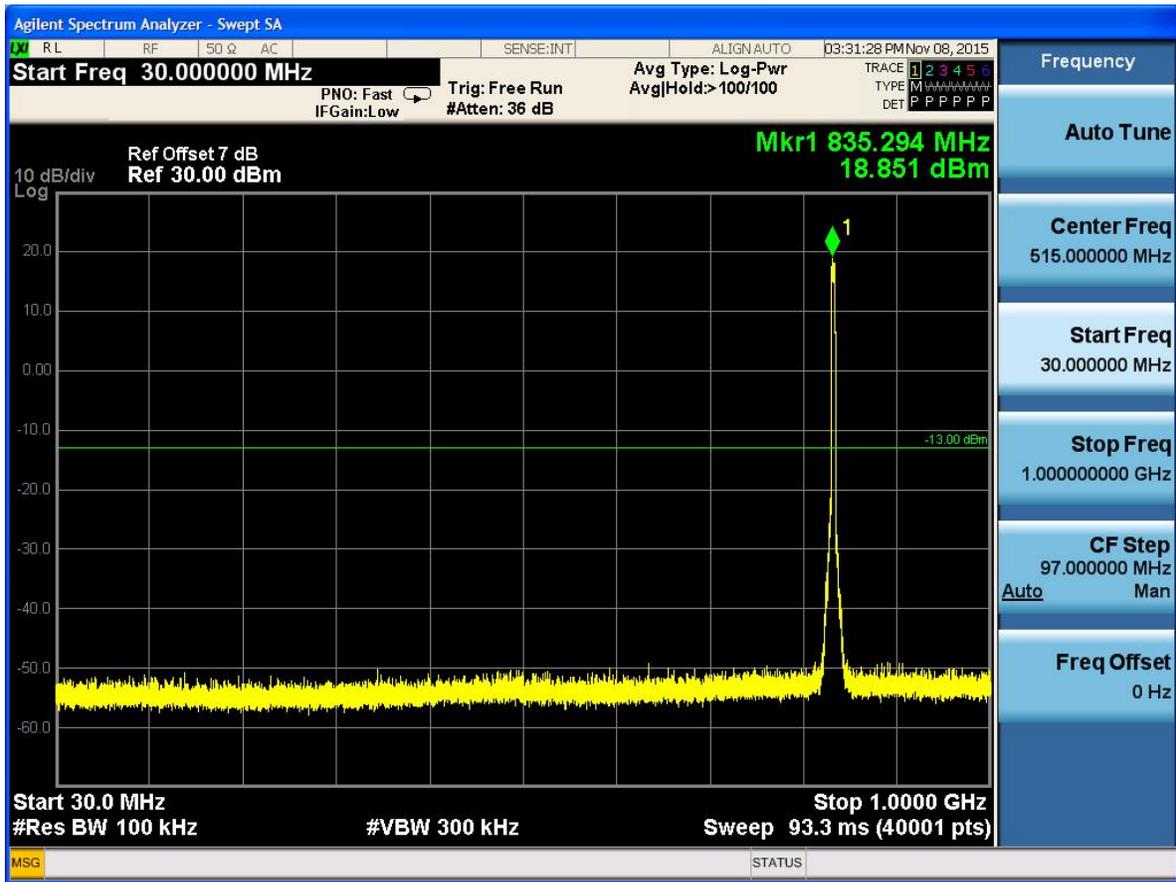


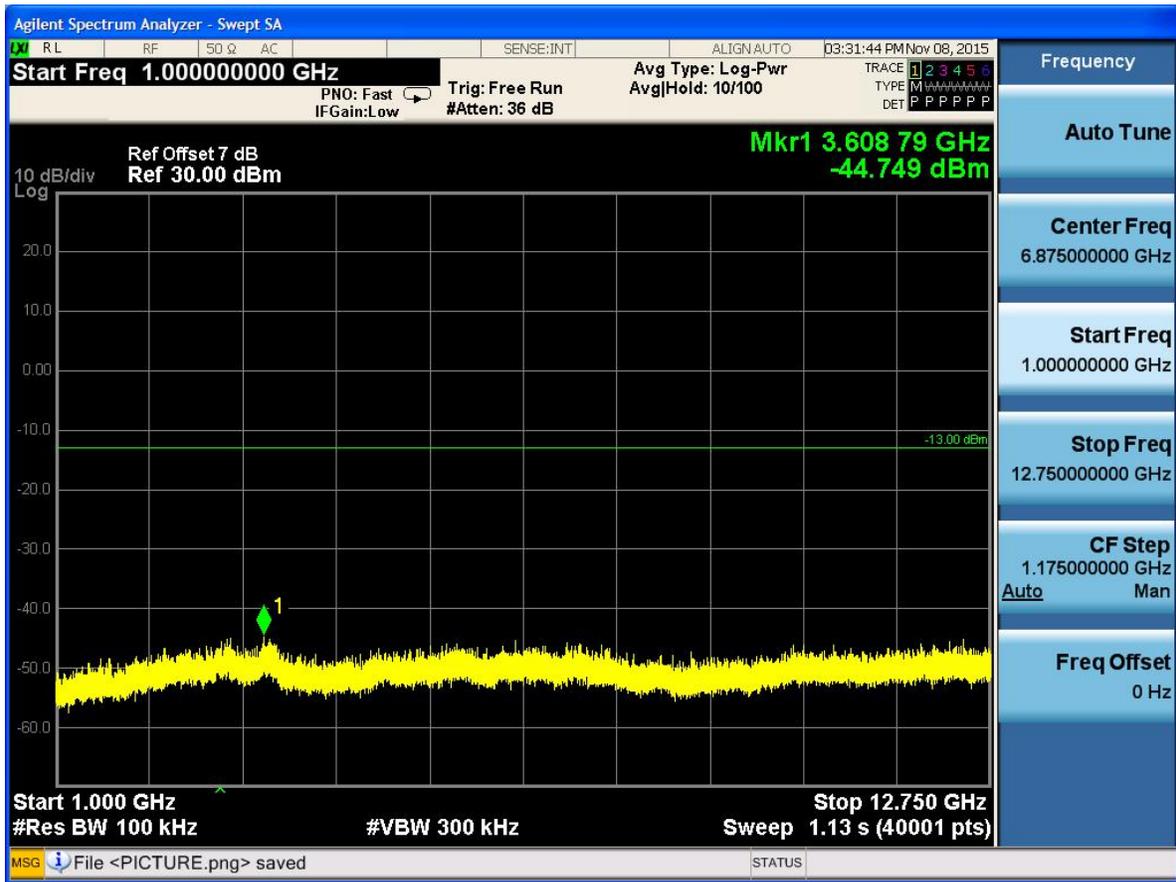


6.2.1.1.2 Test Channel = MCH

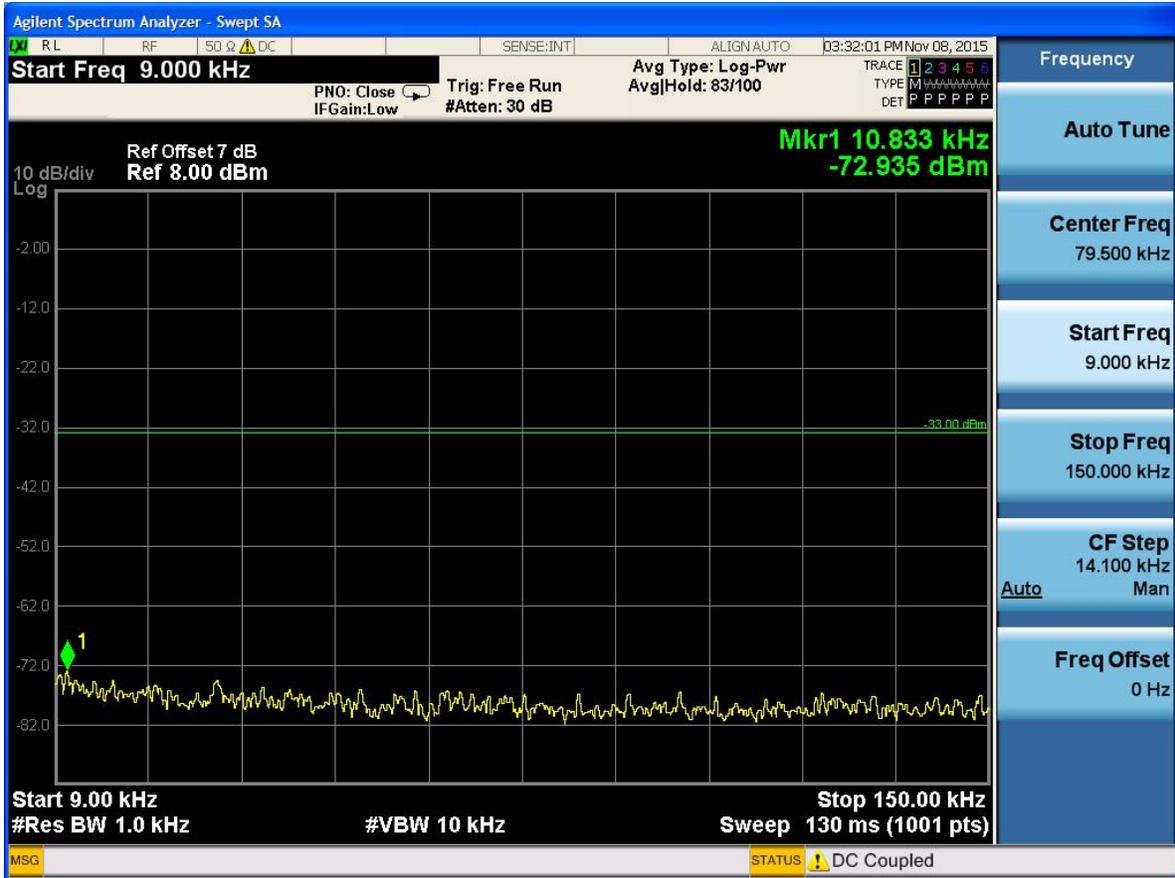


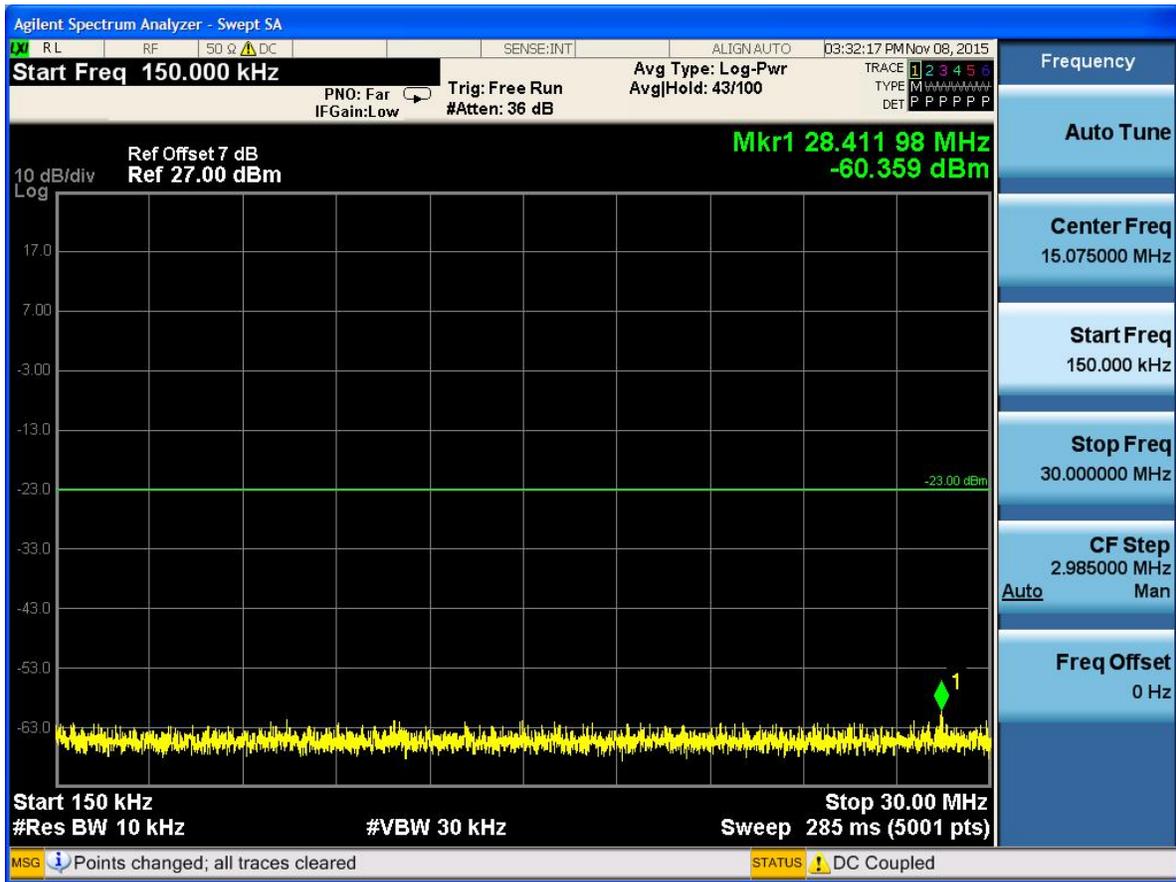


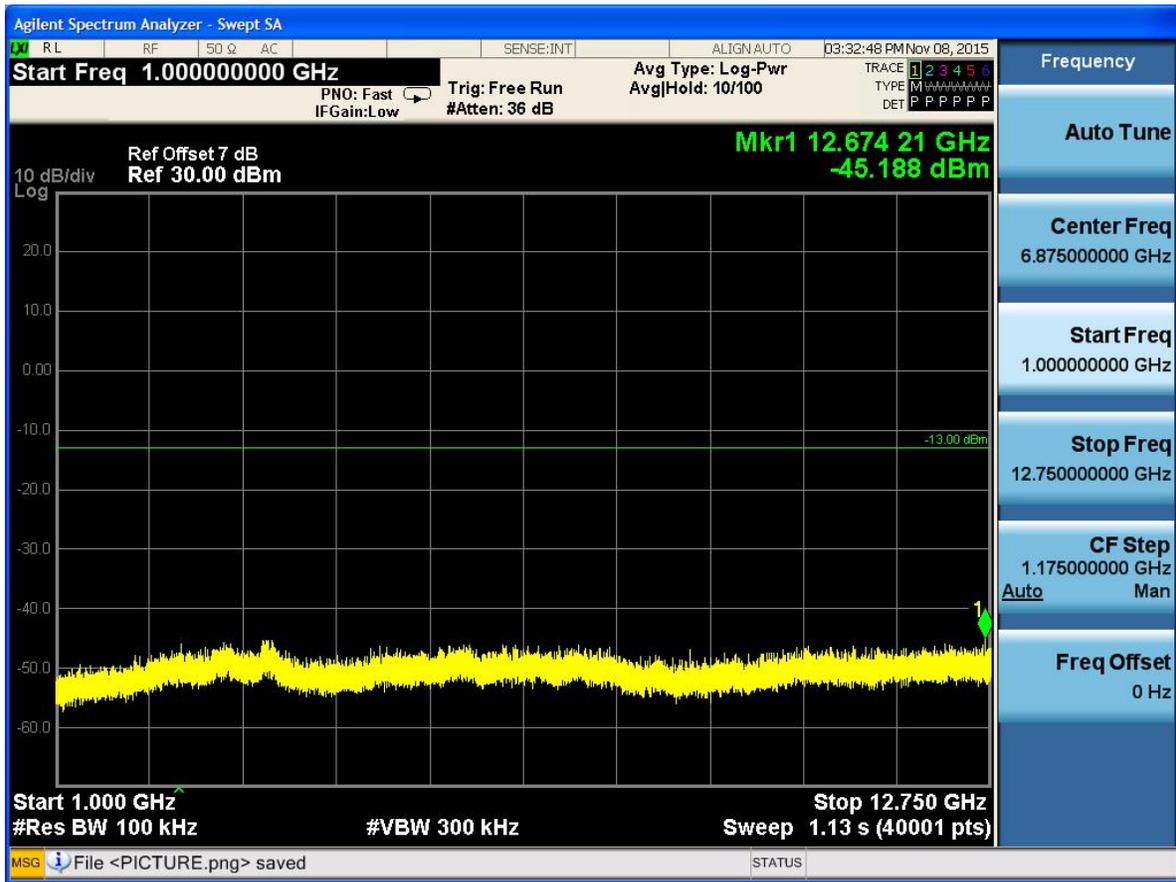




6.2.1.1.3 Test Channel = HCH



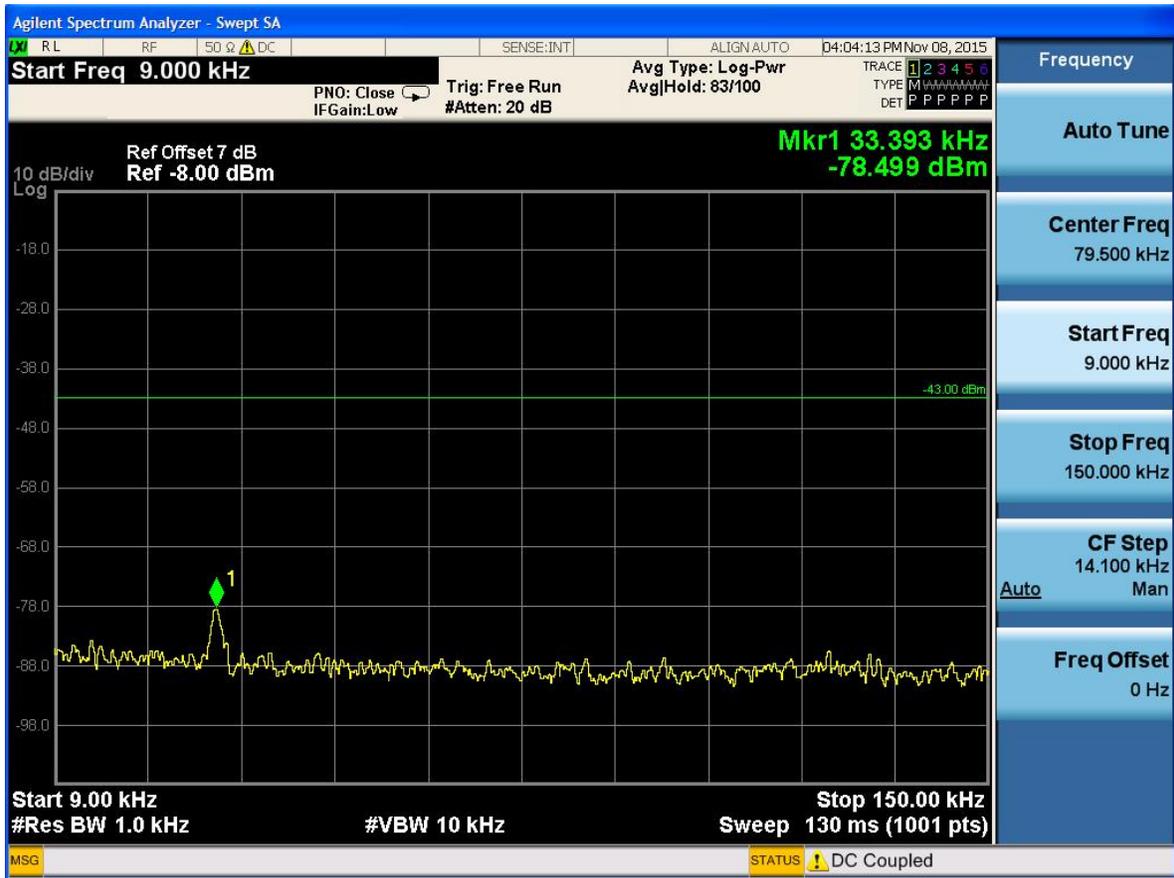


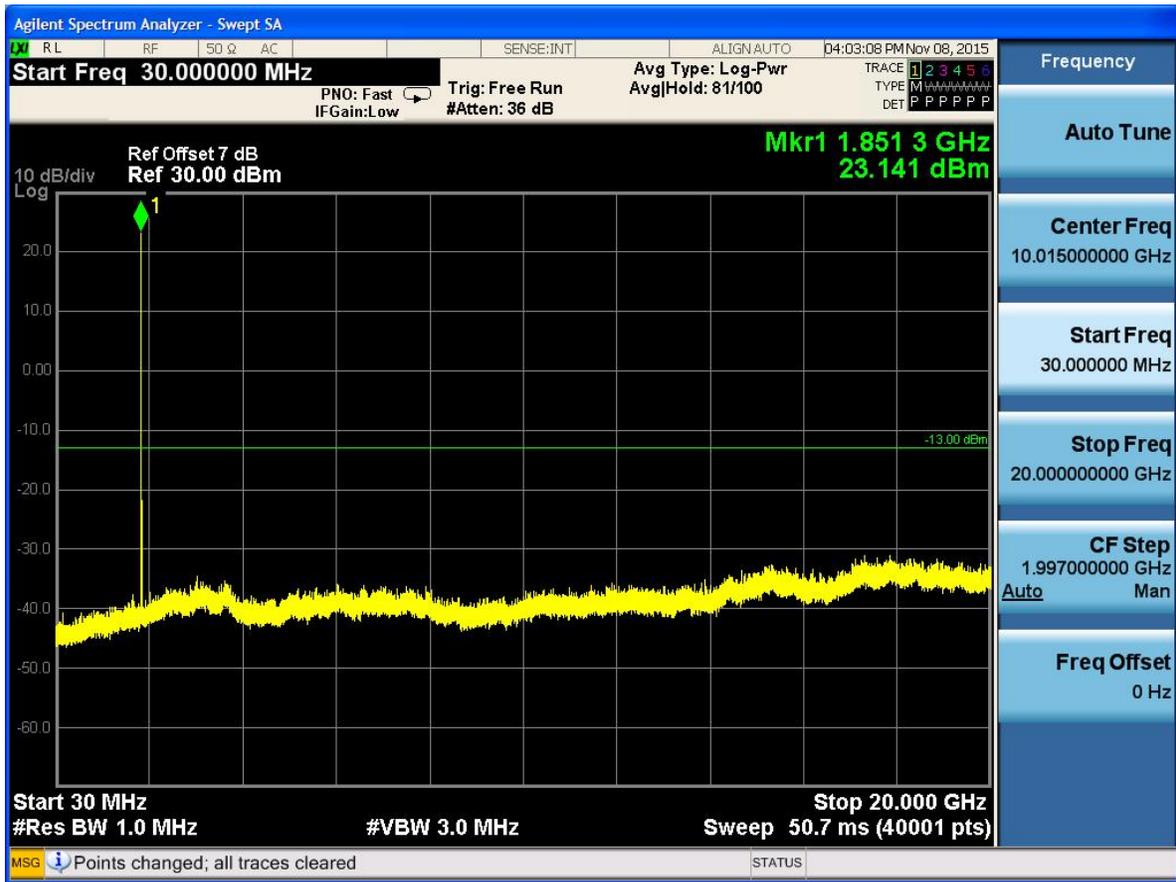


6.2.2 Test Band = WCDMA1900

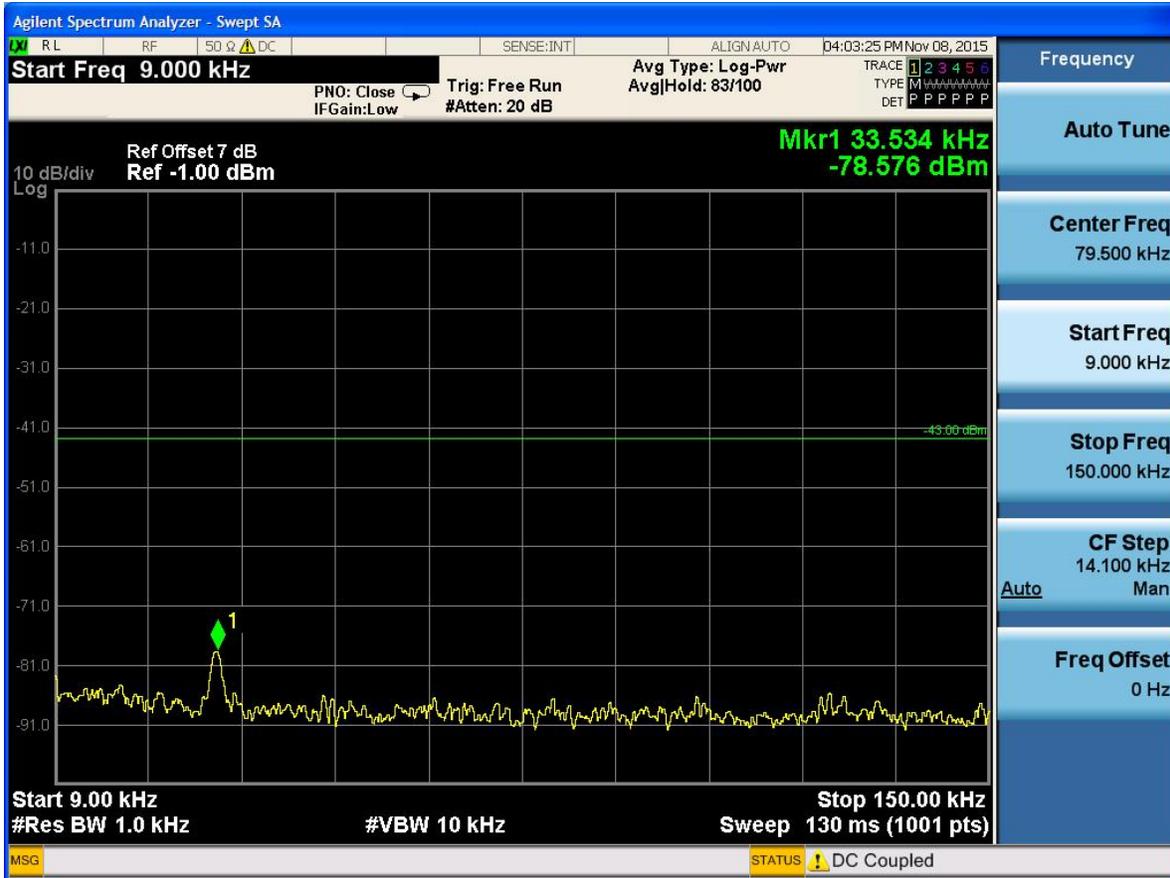
6.2.2.1 Test Mode = UMTS/TM1

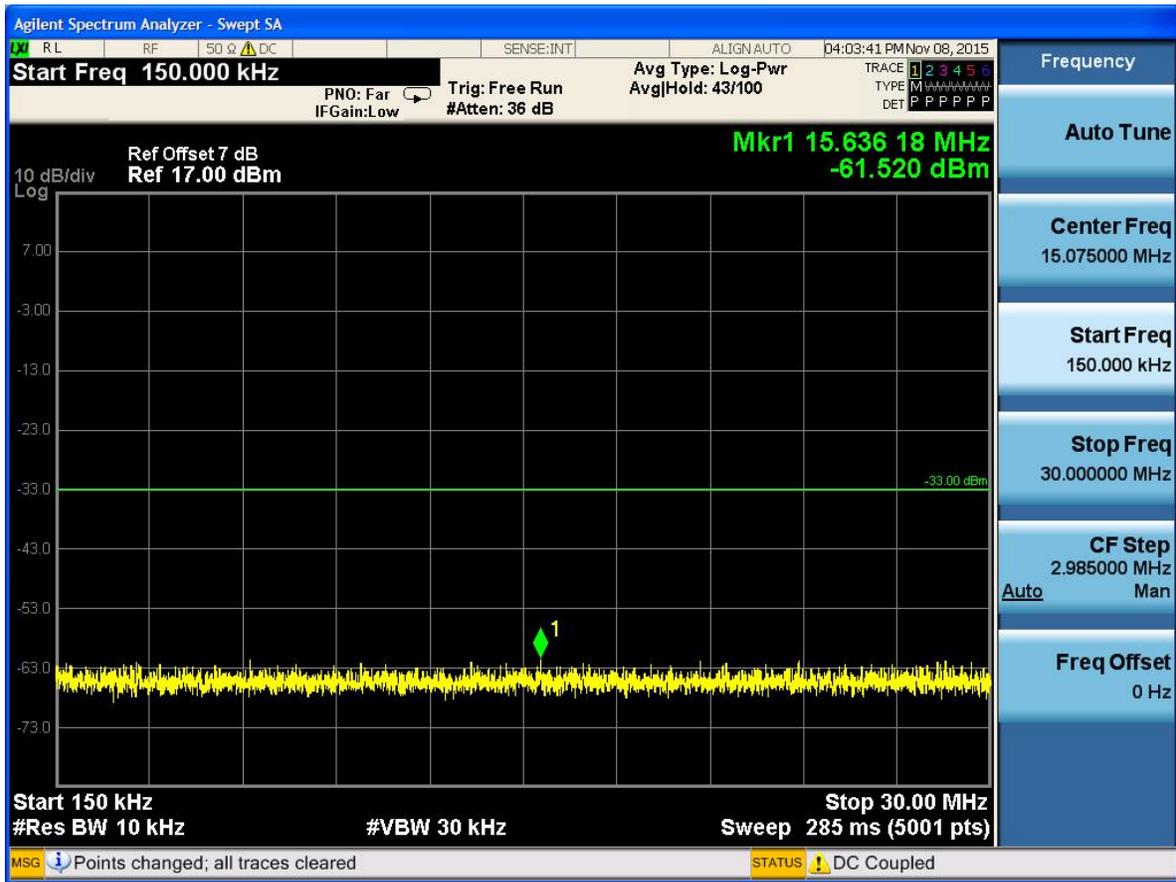
6.2.2.1.1 Test Channel = LCH





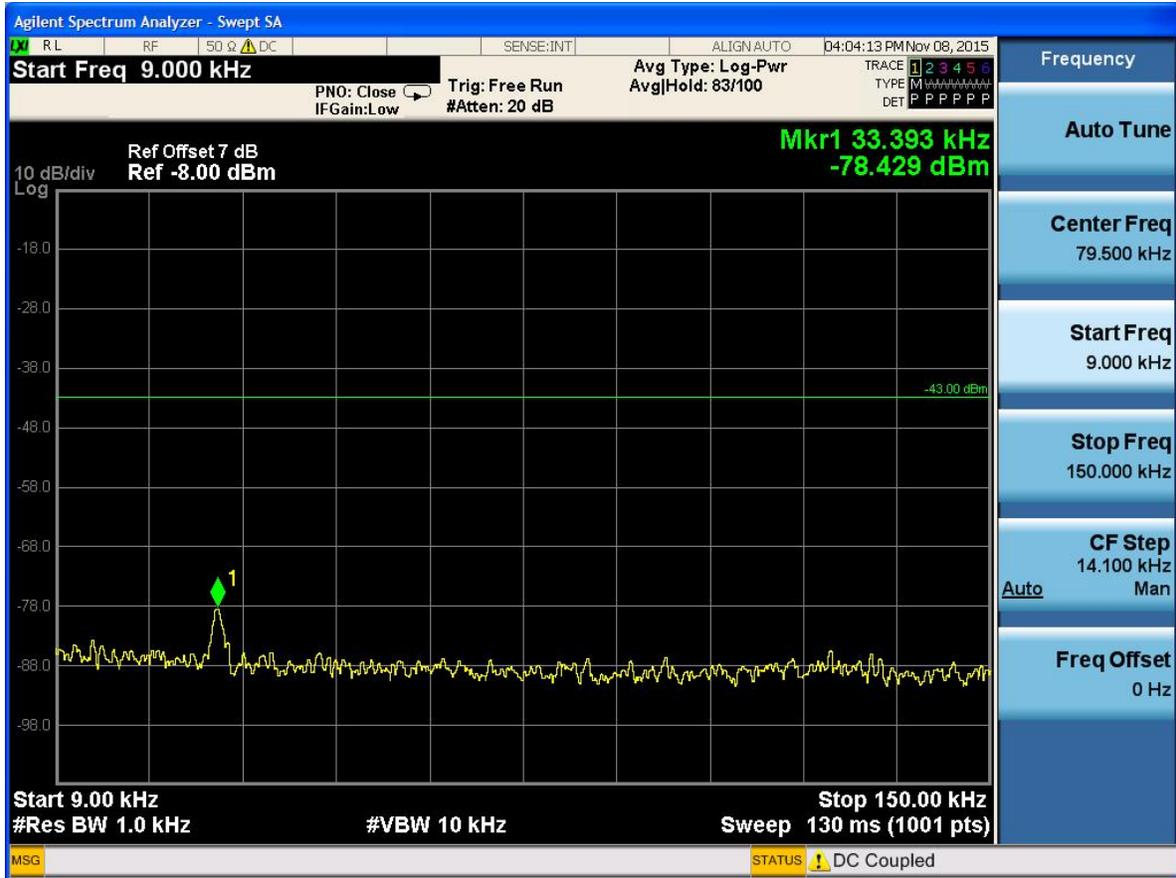
6.2.2.1.2 Test Channel = MCH

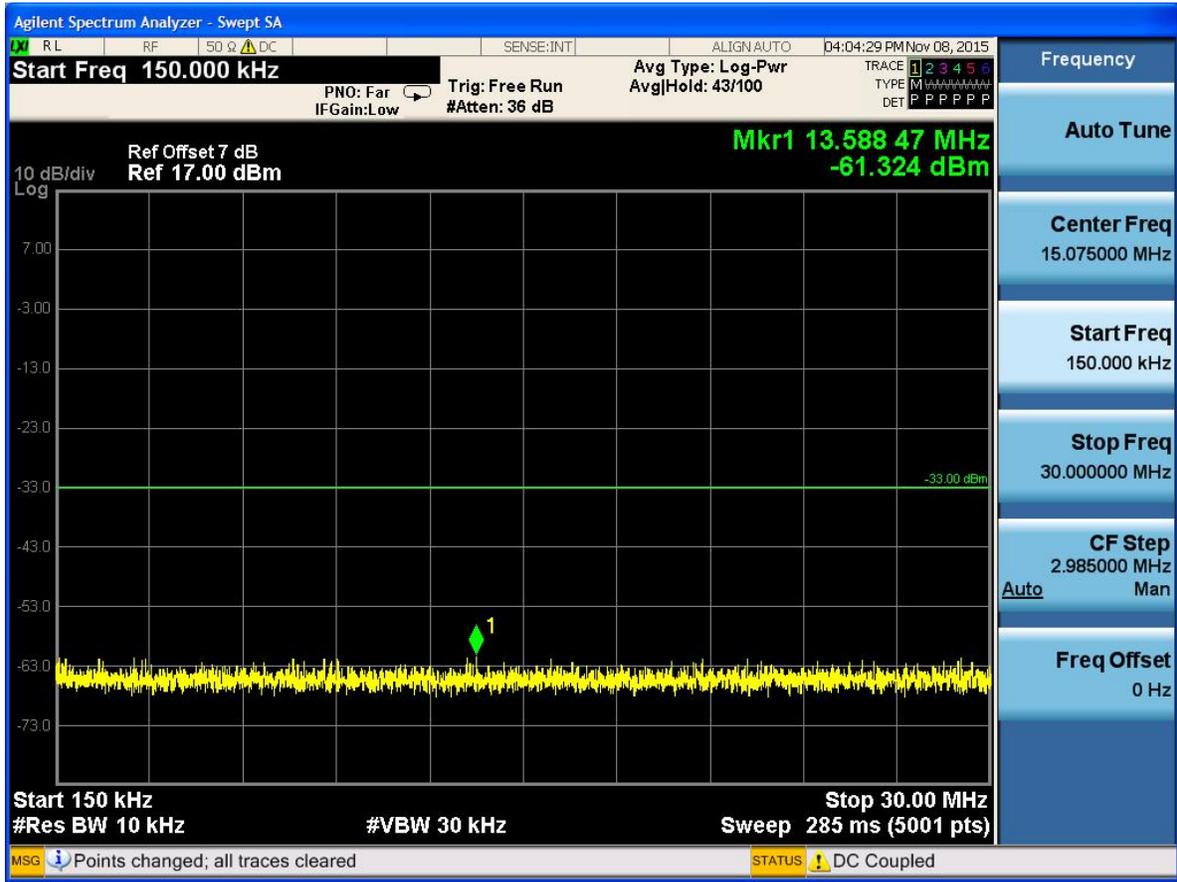


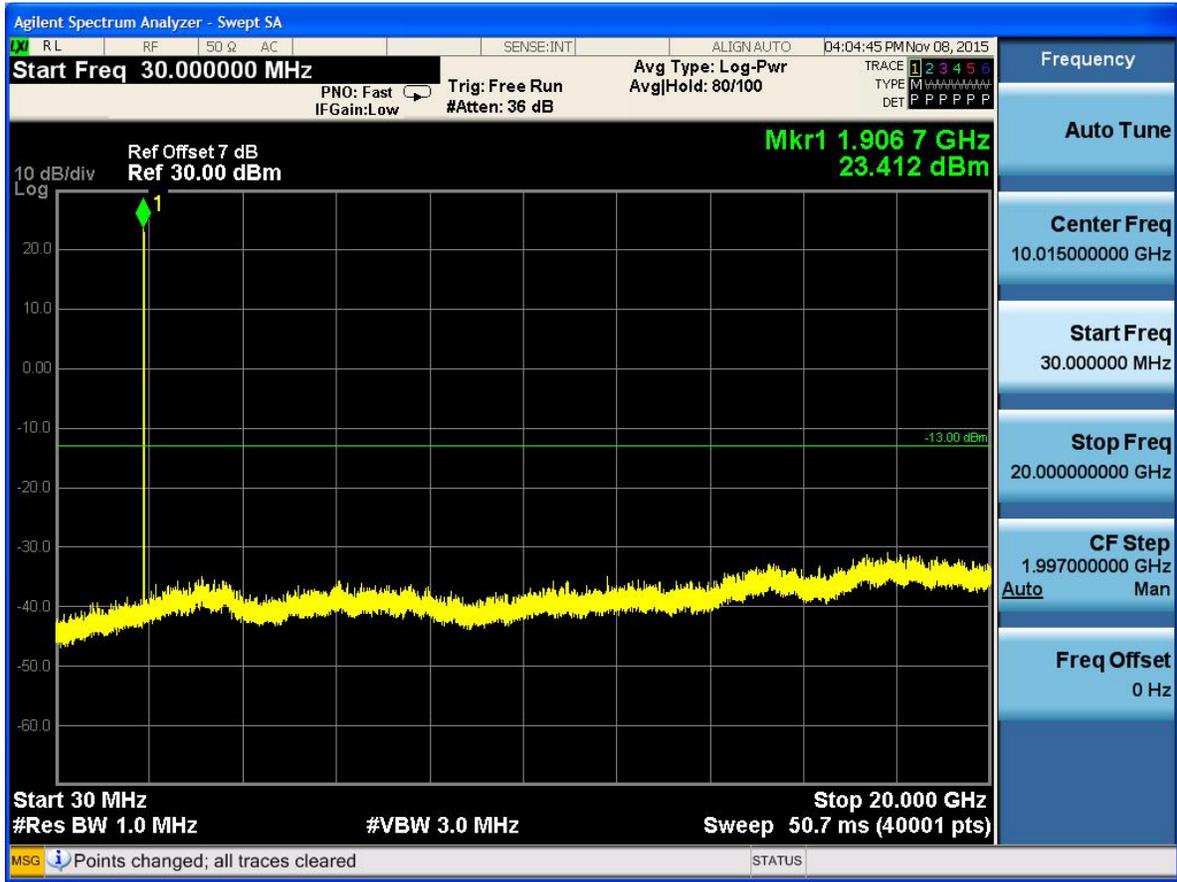




6.2.2.1.3 Test Channel = HCH

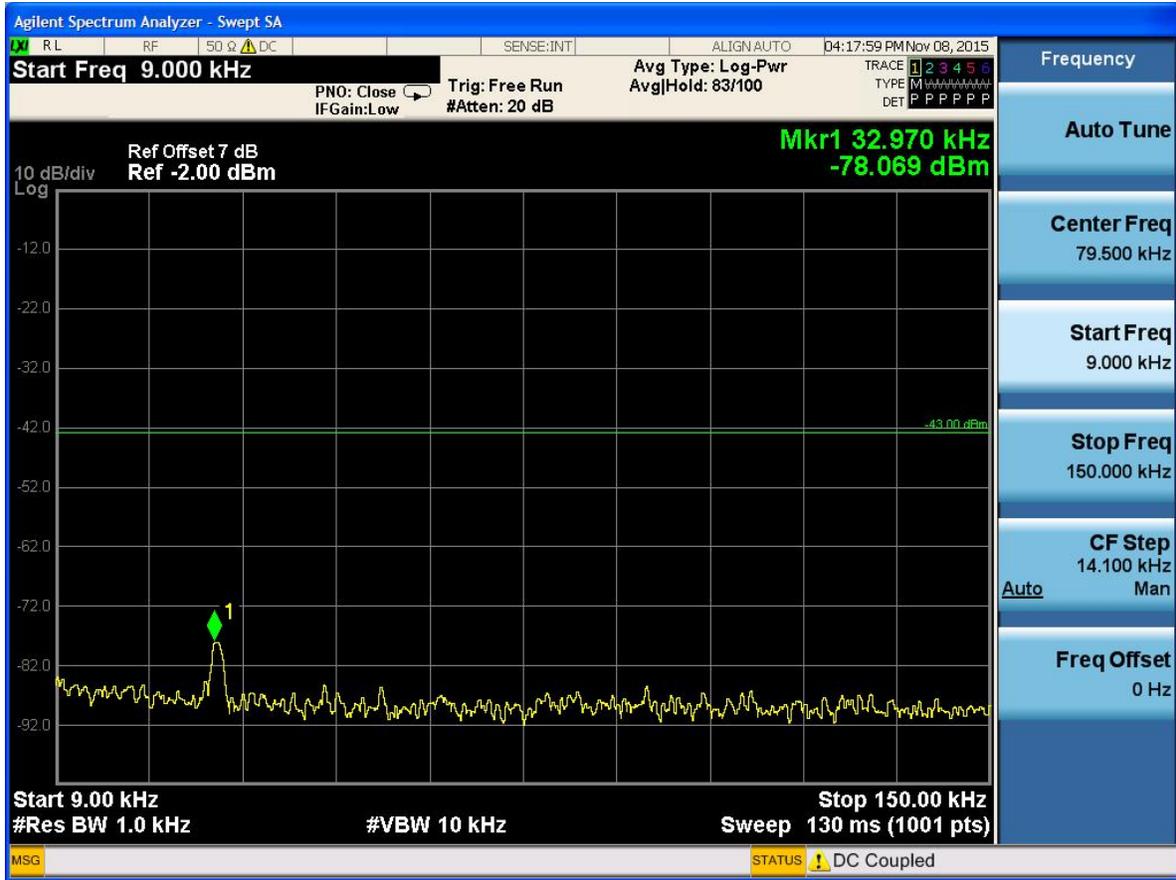


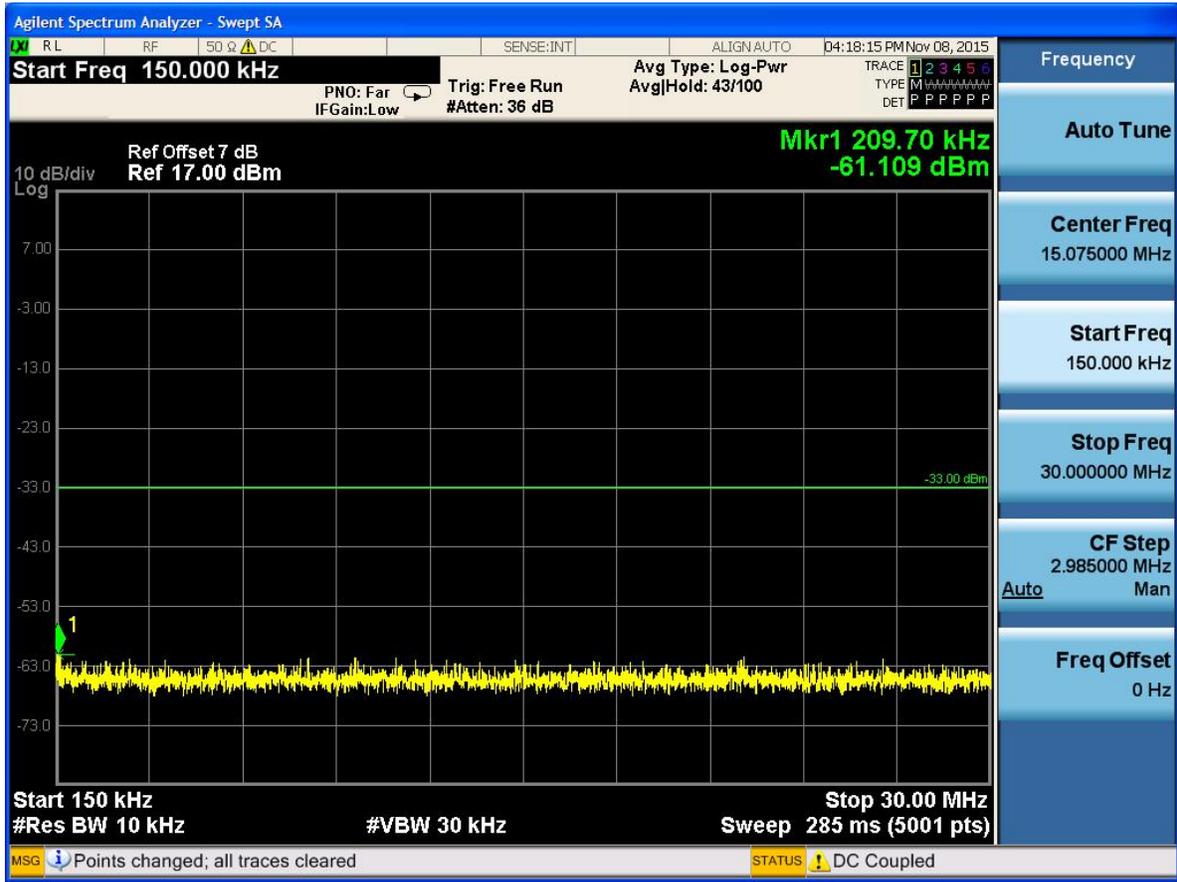






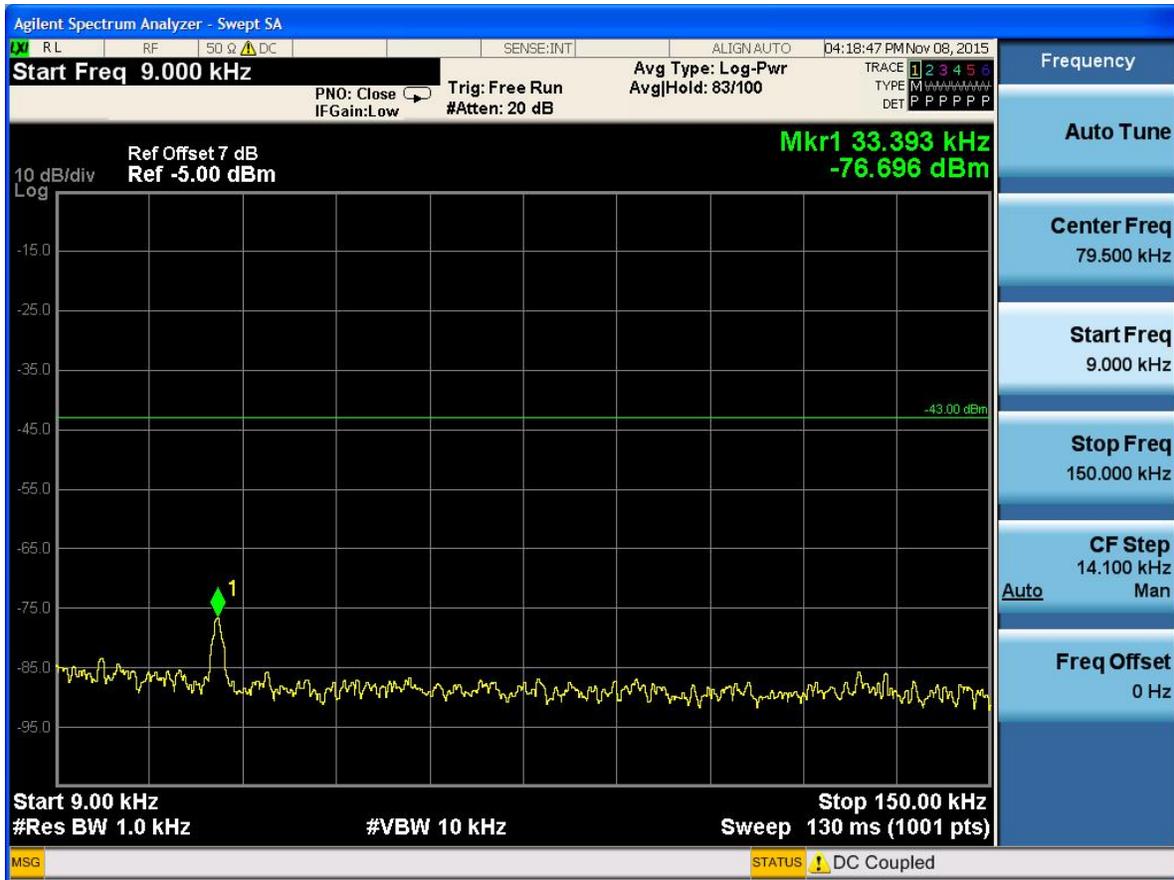
6.2.3.1.2 Test Channel = MCH

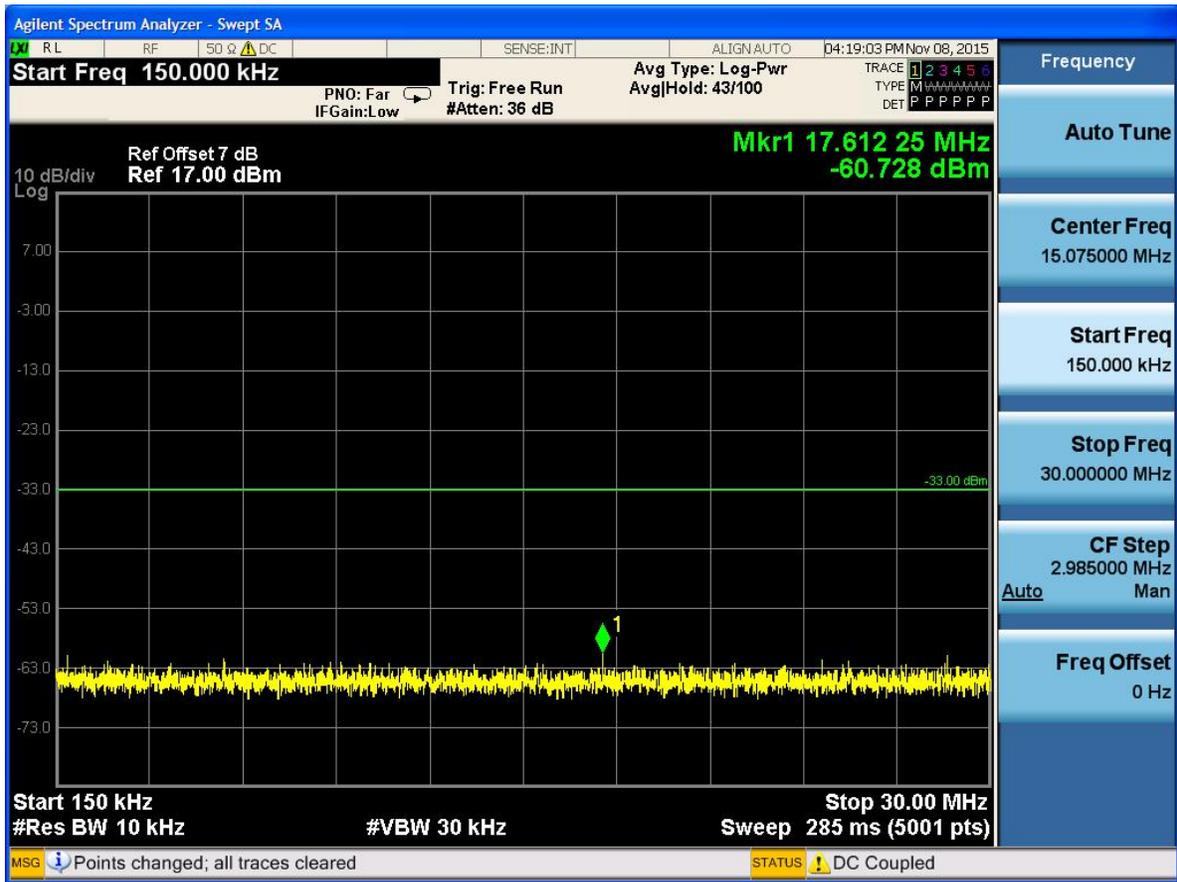






6.2.3.1.3 Test Channel = HCH







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

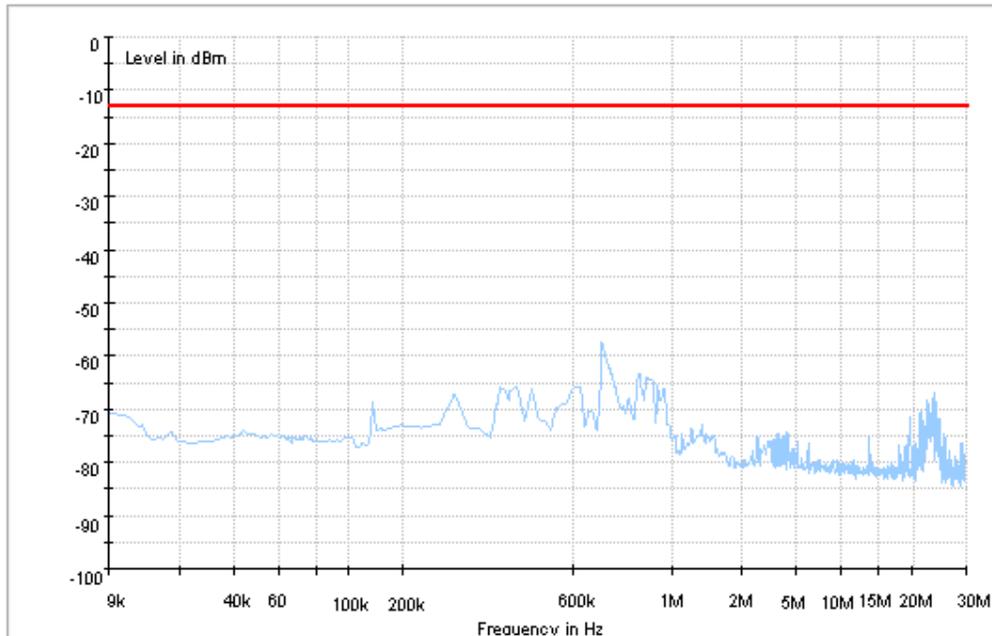
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

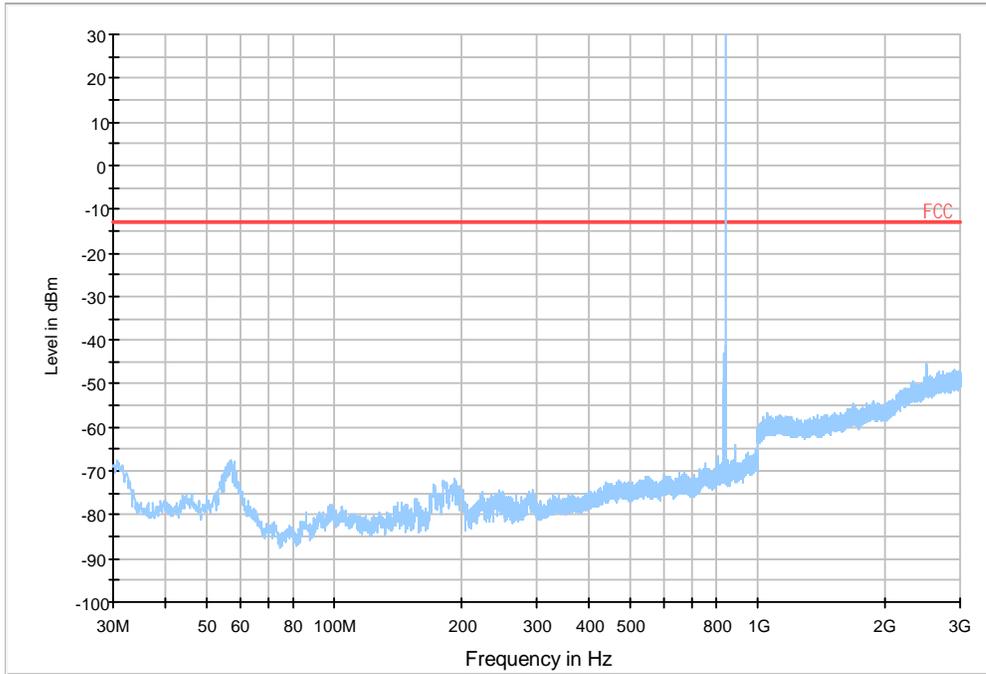
7.1 For GSM

7.1.1 Test Band = GSM850

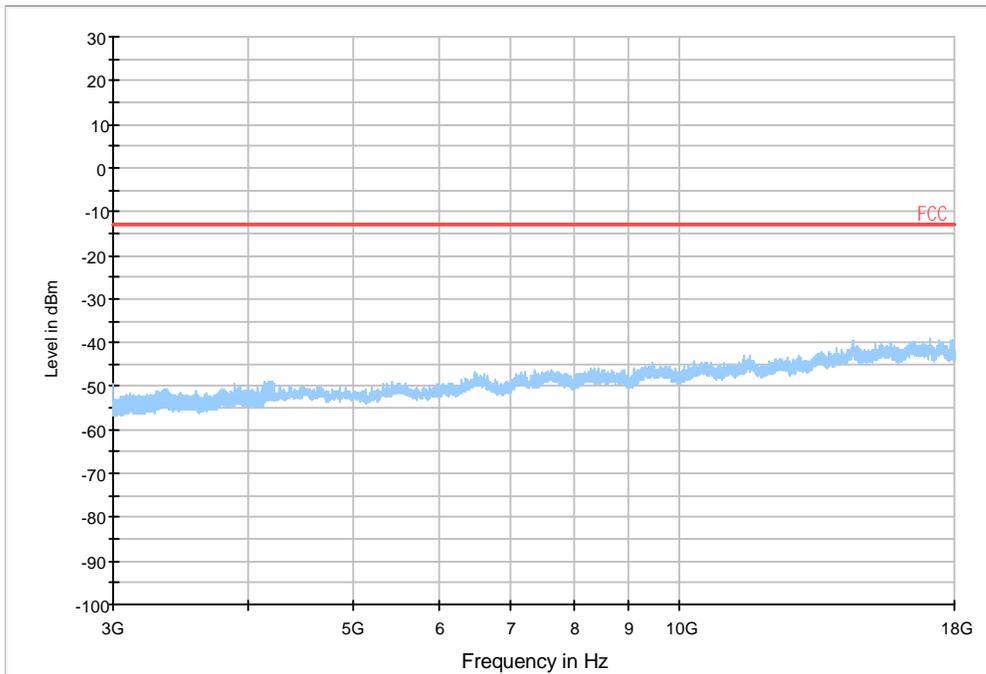
7.1.1.1 Test Mode = GSM/TM1



Copy of FCC PART22 GSM850_L

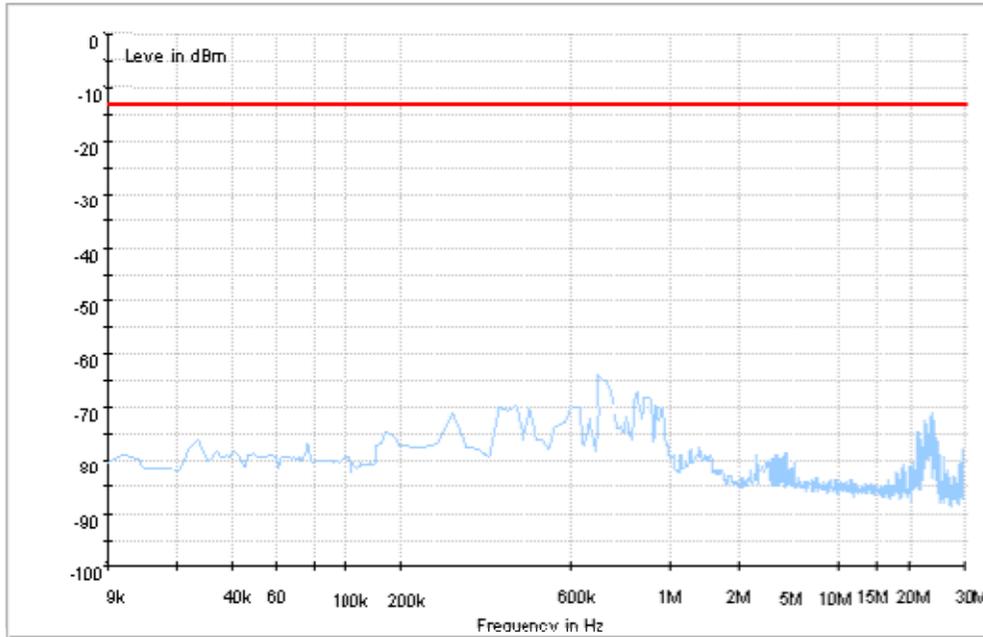


Copy of FCC PART22 GSM850_H

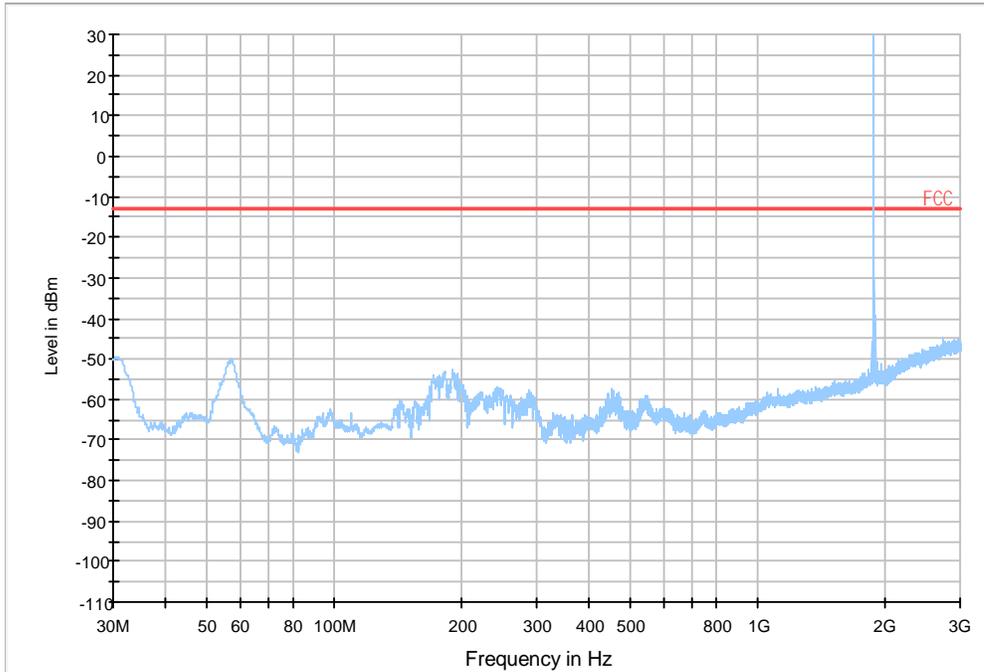


7.1.2 Test Band = GSM1900

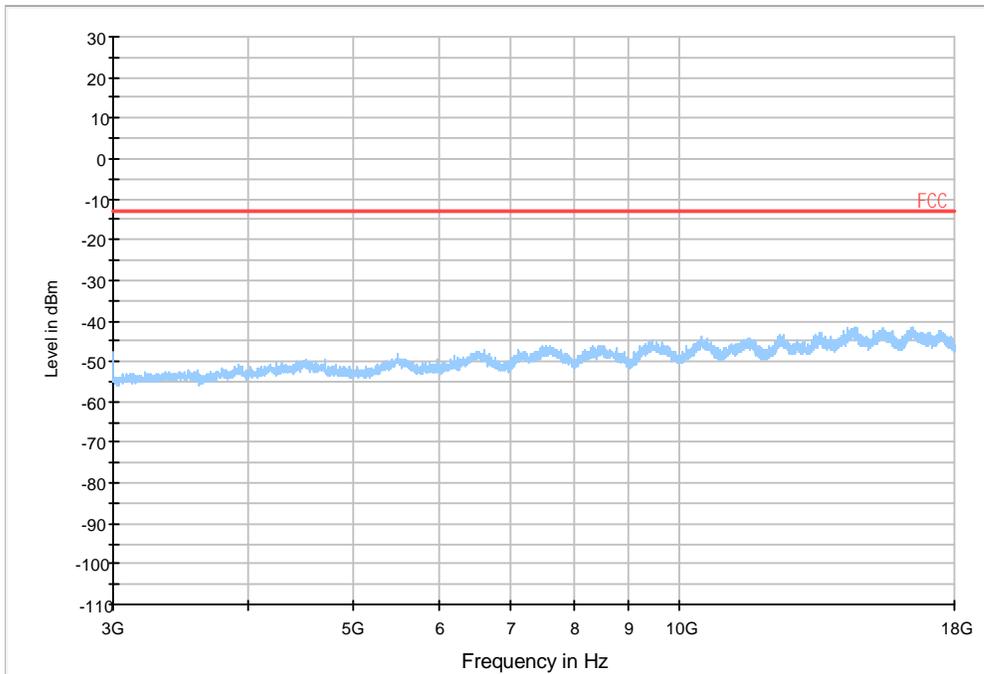
7.1.2.1 Test Mode = GSM/TM1

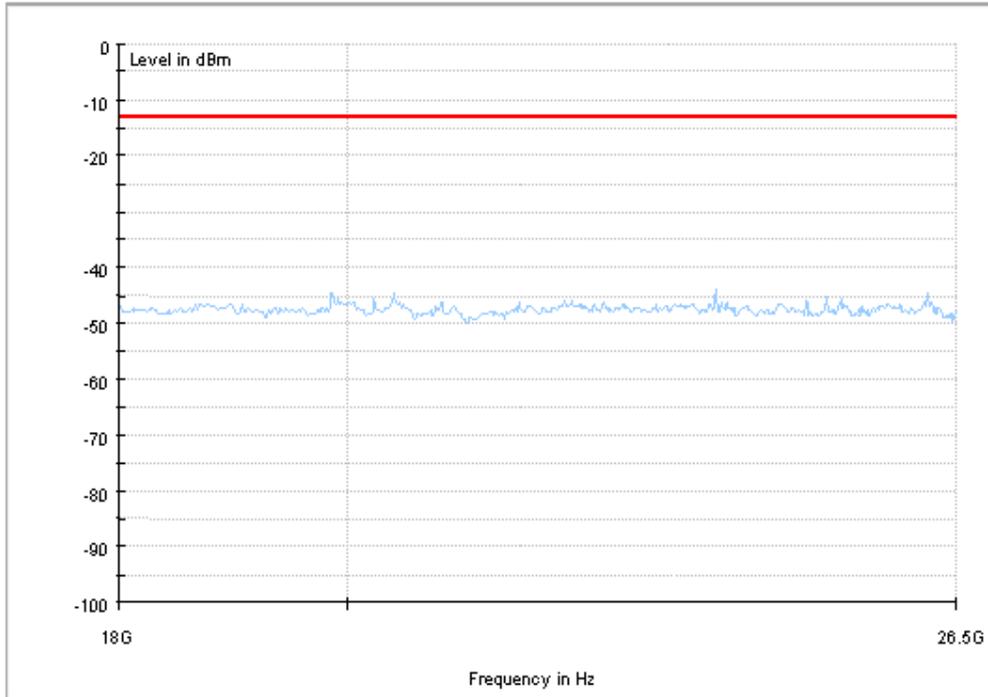


Copy of FCC PART24 GSM1900_L



Copy of FCC PART24 GSM1900_H

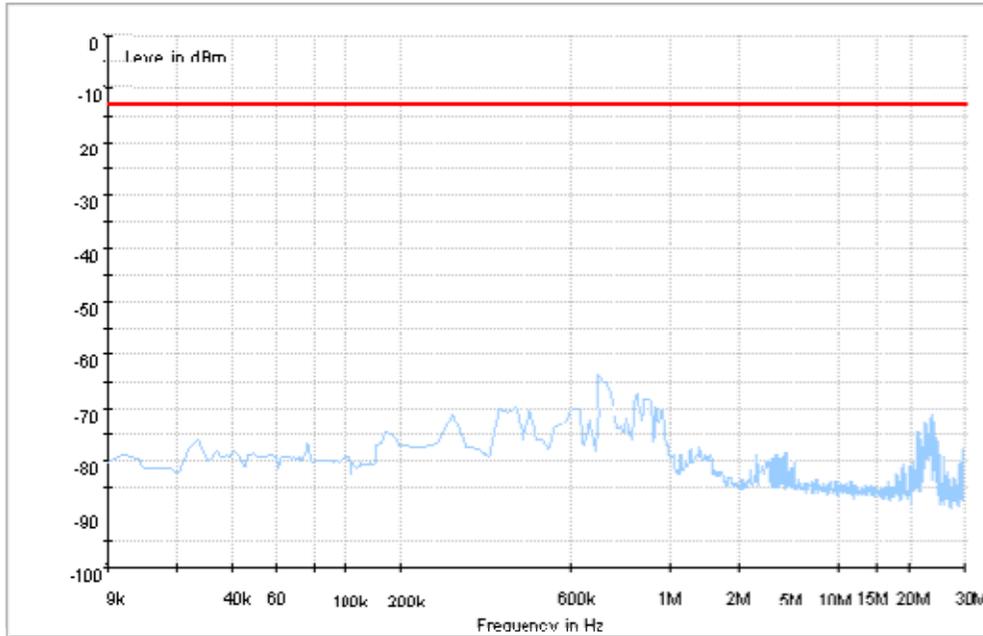
**GPRS1900_DBM-4**



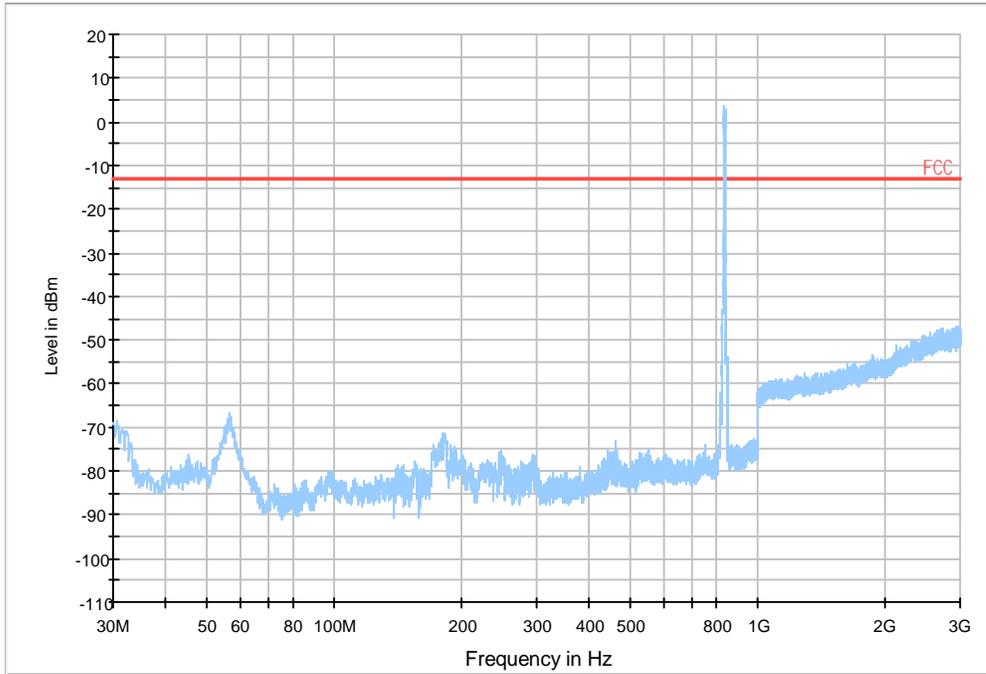
7.2 For UMTS

7.2.1 Test Band = WCDMA850

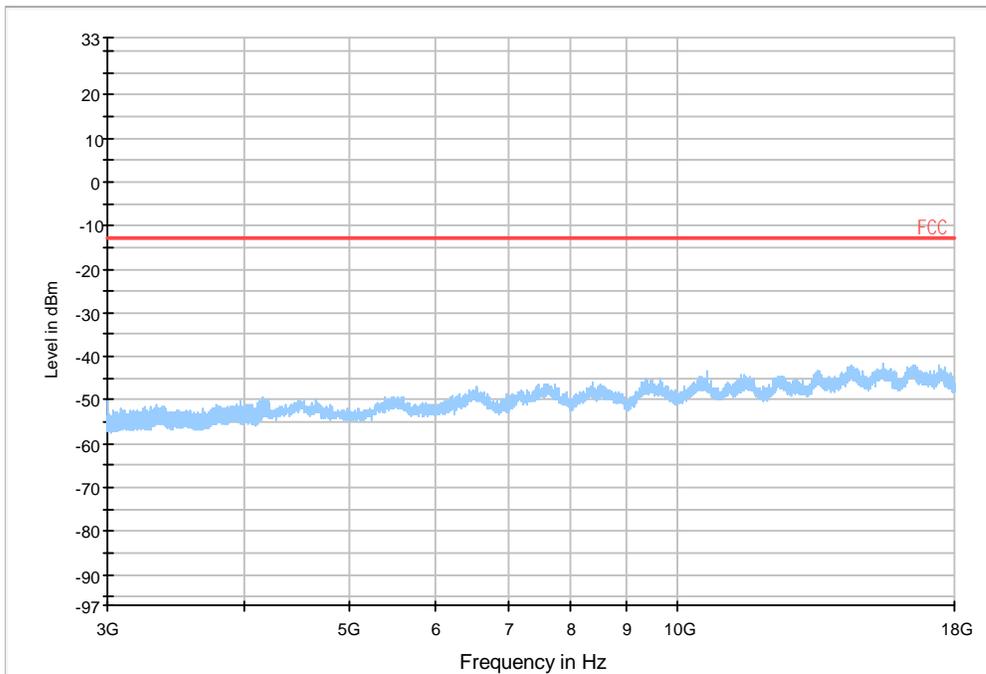
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850_L

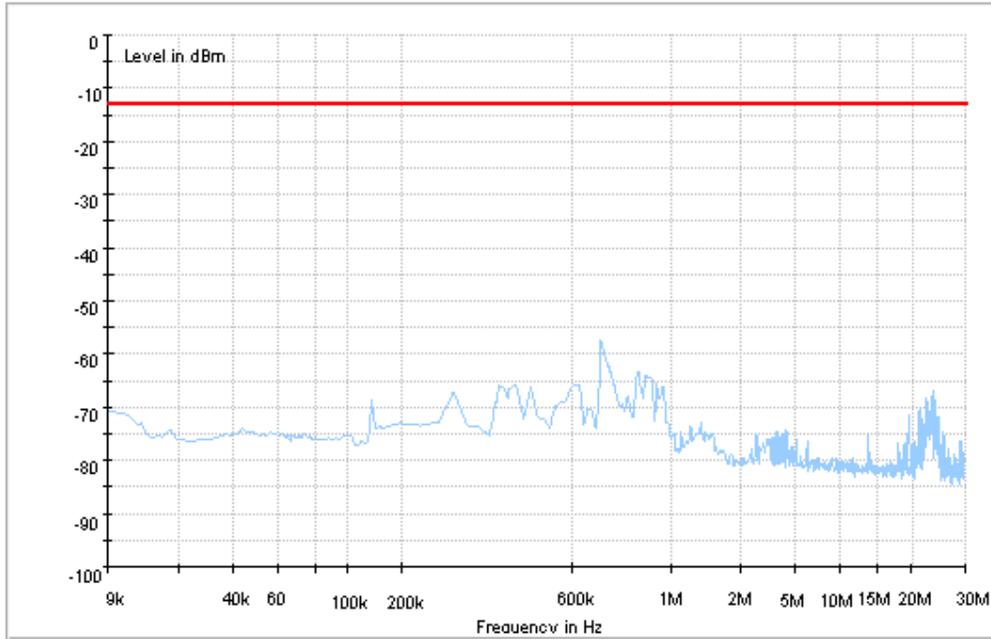


Copy of FCC PART22 WCDMA850_H

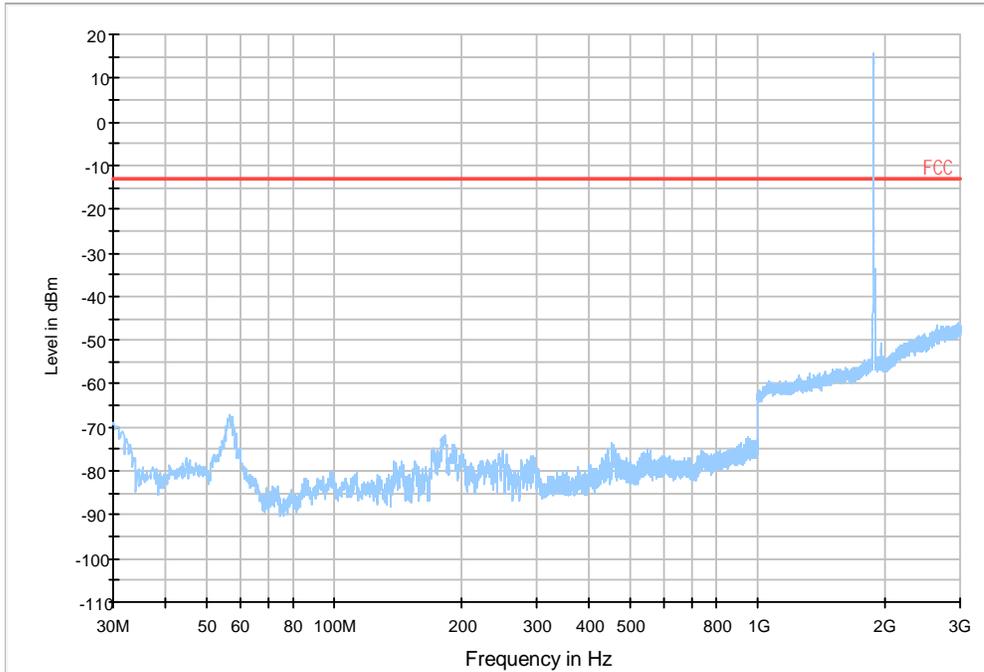


7.2.2 Test Band = WCDMA1900

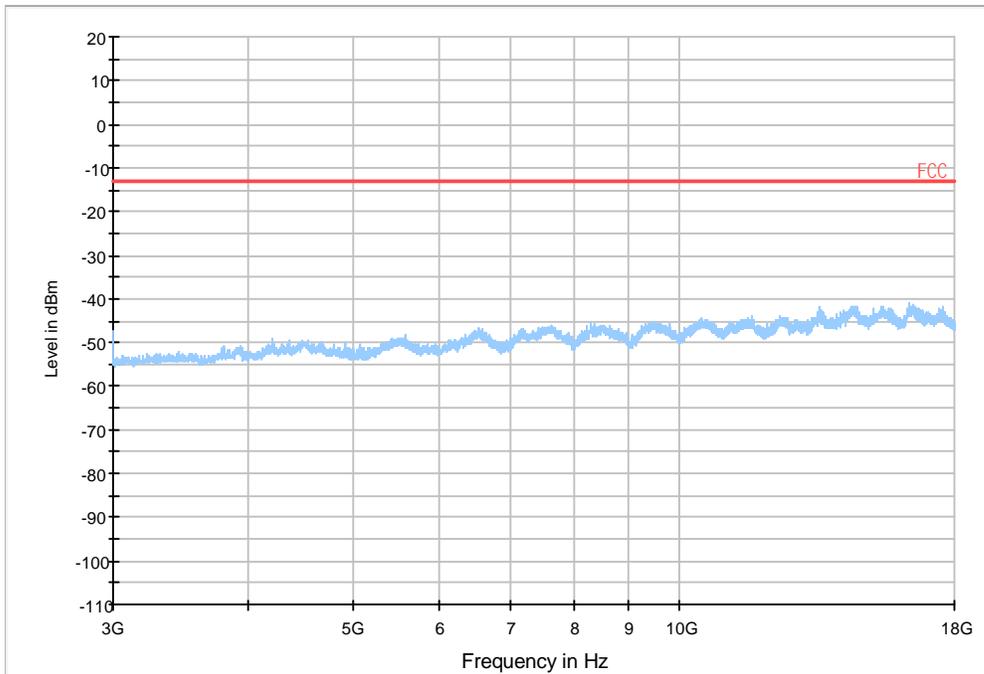
7.2.2.1 Test Mode = UMTS/TM1

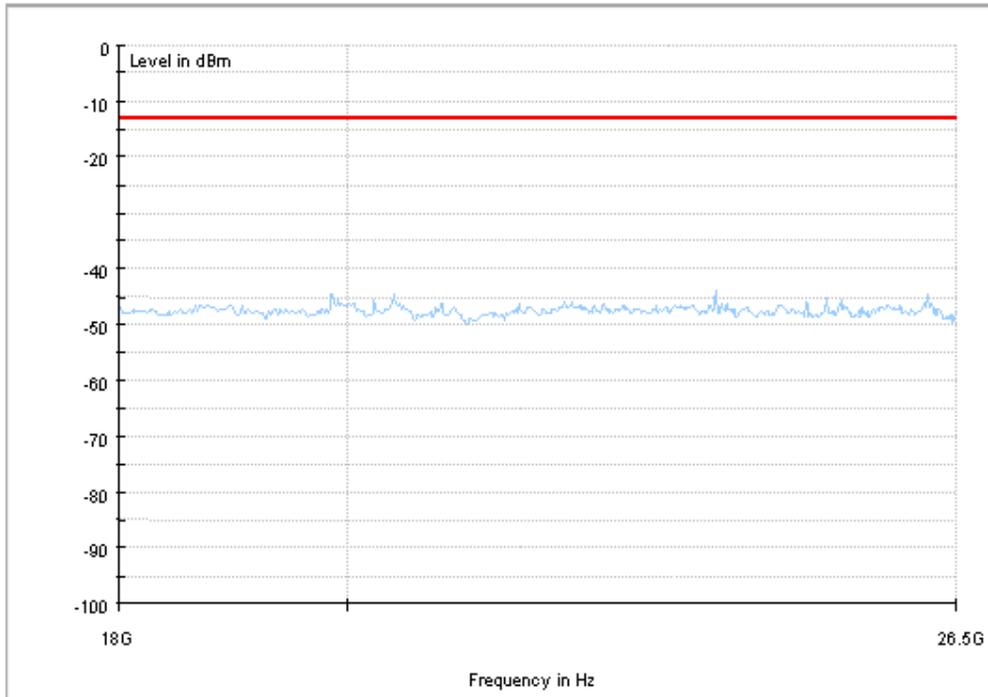


Copy of FCC PART24 WCDMA1900_L



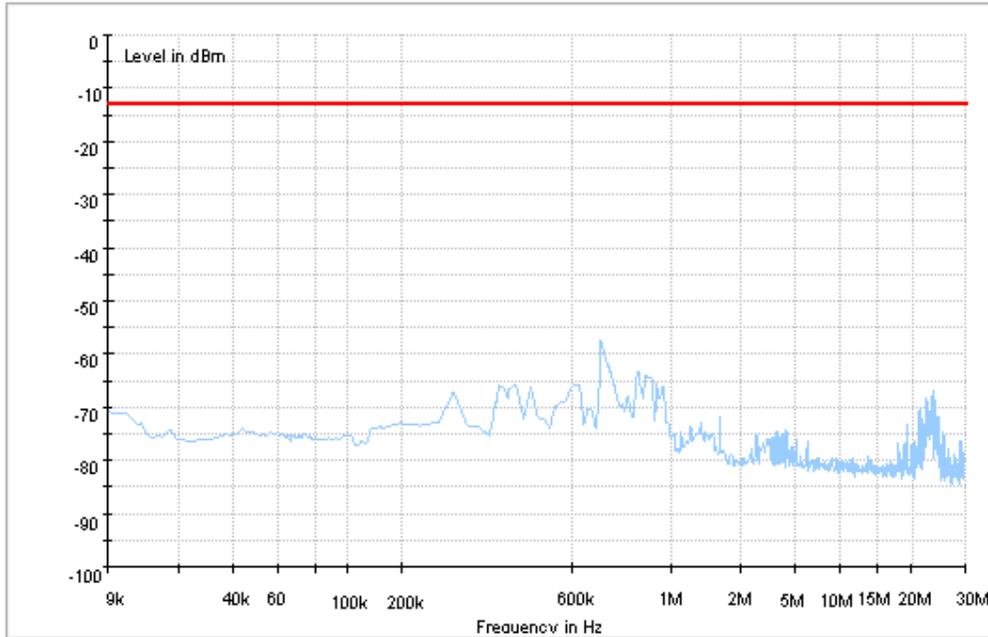
Copy of FCC PART24 WCDMA1900_H



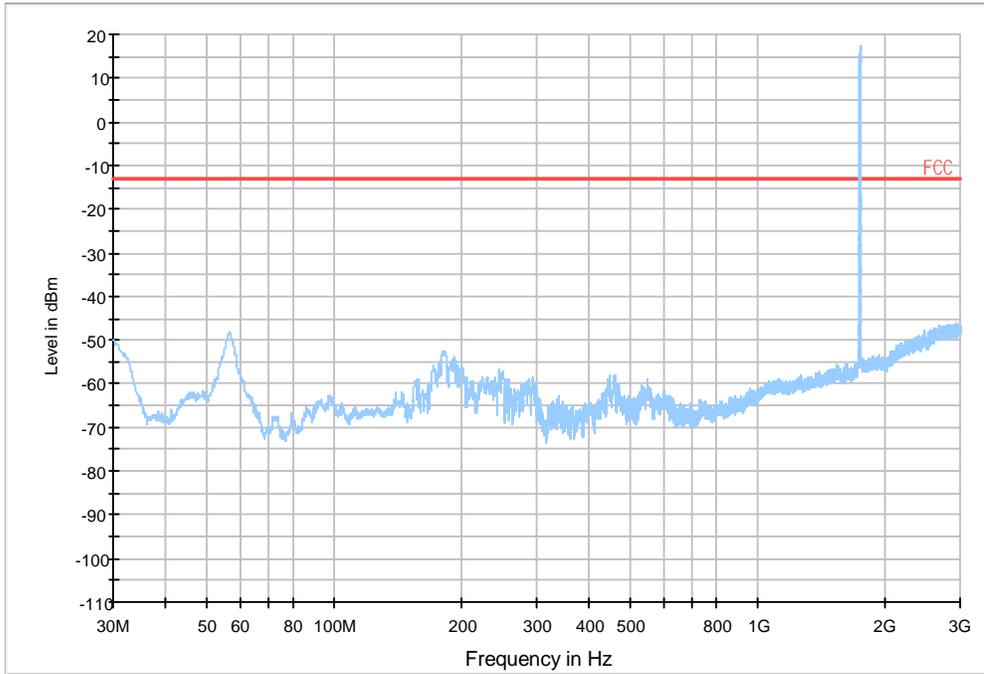


7.2.3 Test Band = WCDMA1700

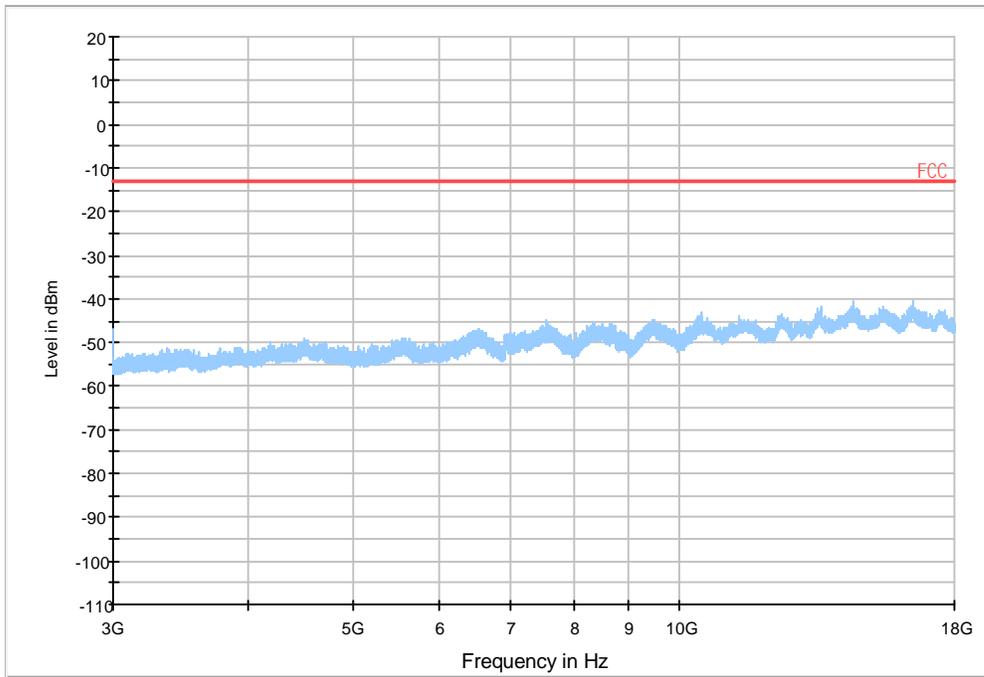
7.2.3.1 Test Mode = UMTS/TM1



Copy of FCC PART27 WCDMA1700_L



Copy of FCC PART27 WCDMA1700_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	-13.17	-0.01598	PASS
				VN	-10.72	-0.01301	PASS
				VH	-13.82	-0.01677	PASS
		MCH	TN	VL	-10.46	-0.0125	PASS
				VN	-9.88	-0.01181	PASS
				VH	-11.36	-0.01358	PASS
		HCH	TN	VL	-12.66	-0.01492	PASS
				VN	-6.97	-0.00821	PASS
				VH	-17.69	-0.02084	PASS
	GSM/TM2	LCH	TN	VL	-7.88	-0.00956	PASS
				VN	-6.75	-0.00819	PASS
				VH	-23.99	-0.02911	PASS
		MCH	TN	VL	-24.34	-0.02909	PASS
				VN	-9.2	-0.011	PASS
				VH	-18.63	-0.02227	PASS
		HCH	TN	VL	-17.27	-0.02035	PASS
				VN	-30.09	-0.03545	PASS
				VH	-5.81	-0.00684	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-14.46	-0.00782	PASS
				VN	-15.3	-0.00827	PASS
				VH	-10.33	-0.00558	PASS
		MCH	TN	VL	-8.52	-0.00453	PASS
				VN	3.23	0.00172	PASS
				VH	-4.84	-0.00257	PASS
	HCH	TN	VL	-2.45	-0.00128	PASS	
			VN	4.71	0.00247	PASS	
			VH	-3.23	-0.00169	PASS	
	GSM/TM2	LCH	TN	VL	-19.24	-0.0104	PASS
				VN	-28.12	-0.0152	PASS
				VH	-20.92	-0.01131	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	-6.91	-0.00368	PASS
				VN	-9.98	-0.00531	PASS
				VH	-5.59	-0.00297	PASS
		HCH	TN	VL	-5.78	-0.00303	PASS
				VN	2.74	0.00143	PASS
				VH	-9.56	-0.00501	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	-17.31	-0.021	PASS
				-20	-11.3	-0.01371	PASS
				-10	-11.43	-0.01387	PASS
				0	-9.3	-0.01128	PASS
				10	-12.2	-0.0148	PASS
				20	-5.04	-0.00612	PASS
				30	-13.43	-0.01629	PASS
				40	-9.49	-0.01151	PASS
				50	-10.4	-0.01262	PASS
		MCH	VN	-30	-10.33	-0.01235	PASS
				-20	-8.07	-0.00965	PASS
				-10	-13.04	-0.01559	PASS
				0	-7.36	-0.0088	PASS
				10	-14.4	-0.01721	PASS
				20	-6.84	-0.00818	PASS
				30	-13.56	-0.01621	PASS
				40	-8.07	-0.00965	PASS
				50	-12.2	-0.01458	PASS
		HCH	VN	-30	-5.81	-0.00684	PASS
				-20	-5.88	-0.00693	PASS
				-10	-10.85	-0.01278	PASS
				0	-8.72	-0.01027	PASS
				10	-12.91	-0.01521	PASS
				20	-7.36	-0.00867	PASS
				30	-14.33	-0.01688	PASS
				40	-12.79	-0.01507	PASS
				50	-16.59	-0.01955	PASS
	GSM/TM2	LCH	VN	-30	-3.55	-0.00431	PASS
				-20	-9.81	-0.0119	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				-10	-22.05	-0.02675	PASS		
				0	-9.62	-0.01167	PASS		
				10	-11.43	-0.01387	PASS		
				20	-29.09	-0.03529	PASS		
				30	-9.94	-0.01206	PASS		
				40	-15.11	-0.01833	PASS		
				50	-20.92	-0.02538	PASS		
		MCH	VN	-30	-9.78	-0.01169	PASS		
				-20	-17.85	-0.02134	PASS		
				-10	-18.82	-0.0225	PASS		
				0	-11.75	-0.01404	PASS		
				10	-8.52	-0.01018	PASS		
				20	-19.69	-0.02354	PASS		
				30	-22.6	-0.02701	PASS		
		HCH	VN	40	-12.01	-0.01436	PASS		
				50	-2	-0.00239	PASS		
				-30	-19.15	-0.02256	PASS		
				-20	-22.21	-0.02617	PASS		
				-10	-18.11	-0.02134	PASS		
				0	-7.91	-0.00932	PASS		
				10	-13.11	-0.01545	PASS		
		GSM1900	GSM/TM1	LCH	VN	20	-17.76	-0.02092	PASS
						30	-18.56	-0.02187	PASS
						40	-23.34	-0.0275	PASS
						50	-14.3	-0.01685	PASS
						-30	-11.49	-0.00621	PASS
						-20	-3.29	-0.00178	PASS
-10	-3.49					-0.00189	PASS		
MCH	VN			0	-10.91	-0.0059	PASS		
				10	-15.3	-0.00827	PASS		
				20	-18.27	-0.00987	PASS		
				30	-7.1	-0.00384	PASS		
				40	-5.04	-0.00272	PASS		
				50	-0.32	-0.00017	PASS		
				-30	-3.94	-0.0021	PASS		
-20	2.97	0.00158	PASS						
-10	-2.91	-0.00155	PASS						
0	-4.39	-0.00234	PASS						
10	-2.2	-0.00117	PASS						
20	-2.78	-0.00148	PASS						

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
				30	-10.27	-0.00546	PASS	
				40	1.61	0.00086	PASS	
				50	-2.65	-0.00141	PASS	
		HCH	VN	-30	-5.68	-0.00297	PASS	
				-20	0.19	0.0001	PASS	
				-10	1.68	0.00088	PASS	
				0	-2.65	-0.00139	PASS	
				10	13.3	0.00696	PASS	
				20	6.01	0.00315	PASS	
				30	0.19	0.0001	PASS	
				40	-5.36	-0.00281	PASS	
				50	5.36	0.00281	PASS	
		GSM/TM2	LCH	VN	-30	-11.62	-0.00628	PASS
					-20	-12.98	-0.00702	PASS
					-10	-10.88	-0.00588	PASS
	0				-28.25	-0.01527	PASS	
	10				-17.08	-0.00923	PASS	
	20				-27.15	-0.01467	PASS	
	30				-20.95	-0.01132	PASS	
	40				-5.23	-0.00283	PASS	
	50		-9.17	-0.00496	PASS			
	MCH		VN	-30	-12.69	-0.00675	PASS	
				-20	-11.3	-0.00601	PASS	
				-10	-4.07	-0.00216	PASS	
				0	-9.65	-0.00513	PASS	
				10	-8.56	-0.00455	PASS	
				20	-3.49	-0.00186	PASS	
		30		-2.03	-0.00108	PASS		
	40	-12.4	-0.0066	PASS				
	50	-9.17	-0.00488	PASS				
	HCH	VN	-30	-8.65	-0.00453	PASS		
			-20	-7.26	-0.0038	PASS		
			-10	-13.75	-0.0072	PASS		
			0	-6.52	-0.00341	PASS		
			10	-10.3	-0.00539	PASS		
			20	0.23	0.00012	PASS		
			30	-9.2	-0.00482	PASS		
			40	-7.43	-0.00389	PASS		
	50	-6.97	-0.00365	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
WCDMA850	UMTS/TM1	LCH	TN	VL	-13.09	-0.01584	PASS
				VN	0.53	0.00064	PASS
				VH	1.21	0.00146	PASS
		MCH	TN	VL	-15.4	-0.01841	PASS
				VN	-12.66	-0.01514	PASS
				VH	-11.72	-0.01401	PASS
		HCH	TN	VL	-2.03	-0.0024	PASS
				VN	-9.84	-0.01162	PASS
				VH	-0.99	-0.00117	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-5.97	-0.00322	PASS
				VN	-1.24	-0.00067	PASS
				VH	-0.95	-0.00051	PASS
		MCH	TN	VL	2.26	0.0012	PASS
				VN	1.97	0.00105	PASS
				VH	3.46	0.00184	PASS
		HCH	TN	VL	-2.55	-0.00134	PASS
				VN	-2.82	-0.00148	PASS
				VH	3.17	0.00166	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	-0.14	-0.00008	PASS
				VN	2.27	0.00133	PASS
				VH	-1.51	-0.00088	PASS
		MCH	TN	VL	-10.25	-0.00592	PASS
				VN	6.2	0.00358	PASS
				VH	2.94	0.0017	PASS
		HCH	TN	VL	-1.79	-0.00102	PASS
				VN	-4.7	-0.00268	PASS
				VH	-4.97	-0.00284	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
WCDMA850	UMTS/TM1	LCH	VN	-30	0.05	0.00006	PASS
				-20	3.77	0.00456	PASS
				-10	-6.67	-0.00807	PASS
				0	0.58	0.0007	PASS
				10	-0.18	-0.00022	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				20	-4.79	-0.0058	PASS		
				30	-14.71	-0.0178	PASS		
				40	7.74	0.00937	PASS		
				50	4.59	0.00555	PASS		
		MCH	VN			-30	-0.87	-0.00104	PASS
						-20	-9.89	-0.01182	PASS
						-10	-3.83	-0.00458	PASS
						0	-6.65	-0.00795	PASS
						10	-5.45	-0.00652	PASS
						20	-6.74	-0.00806	PASS
						30	-12.48	-0.01492	PASS
						40	-5.65	-0.00676	PASS
						50	-2.9	-0.00347	PASS
						HCH	VN		
		-20	1.16	0.00137	PASS				
		-10	-4.85	-0.00573	PASS				
		0	-7.63	-0.00901	PASS				
		10	1.95	0.0023	PASS				
		20	-1.59	-0.00188	PASS				
		30	-12.07	-0.01426	PASS				
		40	-0.06	-0.00007	PASS				
		50	-9.67	-0.01142	PASS				
		WCDMA1900	UMTS/TM1	LCH	VN	-30	1.97	0.00106	PASS
						-20	4.46	0.00241	PASS
						-10	2.32	0.00125	PASS
						0	-0.98	-0.00053	PASS
						10	4.35	0.00235	PASS
						20	1.11	0.0006	PASS
30	1.05					0.00057	PASS		
40	4.07					0.0022	PASS		
50	3.46					0.00187	PASS		
MCH	VN					-30	1.24	0.00066	PASS
						-20	8.35	0.00444	PASS
						-10	-5.04	-0.00268	PASS
						0	0.85	0.00045	PASS
						10	-3.8	-0.00202	PASS
						20	-4.87	-0.00259	PASS
						30	1.37	0.00073	PASS
						40	-0.87	-0.00046	PASS
						50	-7.34	-0.0039	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		HCH	VN	-30	0.98	0.00051	PASS
				-20	-2.32	-0.00122	PASS
				-10	3.6	0.00189	PASS
				0	4.3	0.00225	PASS
				10	-6.77	-0.00355	PASS
				20	-3.13	-0.00164	PASS
				30	-0.44	-0.00023	PASS
				40	-3.11	-0.00163	PASS
				50	0.78	0.00041	PASS
WCDMA1700	UMTS/TM1	LCH	VN	-30	-0.14	-0.00008	PASS
				-20	-1.56	-0.00091	PASS
				-10	-6.96	-0.00406	PASS
				0	-5.08	-0.00297	PASS
				10	1.33	0.00078	PASS
				20	-1.92	-0.00112	PASS
				30	-2.9	-0.00169	PASS
				40	-4.84	-0.00283	PASS
				50	3.25	0.0019	PASS
		MCH	VN	-30	-11	-0.00635	PASS
				-20	1.89	0.00109	PASS
				-10	-3.56	-0.00205	PASS
				0	-0.24	-0.00014	PASS
				10	-3.86	-0.00223	PASS
				20	2.24	0.00129	PASS
				30	4.1	0.00237	PASS
				40	-2.52	-0.00145	PASS
				50	3.45	0.00199	PASS
		HCH	VN	-30	-2.99	-0.00171	PASS
				-20	-0.08	-0.00005	PASS
				-10	0.95	0.00054	PASS
				0	-0.53	-0.0003	PASS
				10	4.58	0.00261	PASS
				20	-0.43	-0.00025	PASS
				30	-4.14	-0.00236	PASS
				40	-9.77	-0.00557	PASS
				50	-1.86	-0.00106	PASS

END