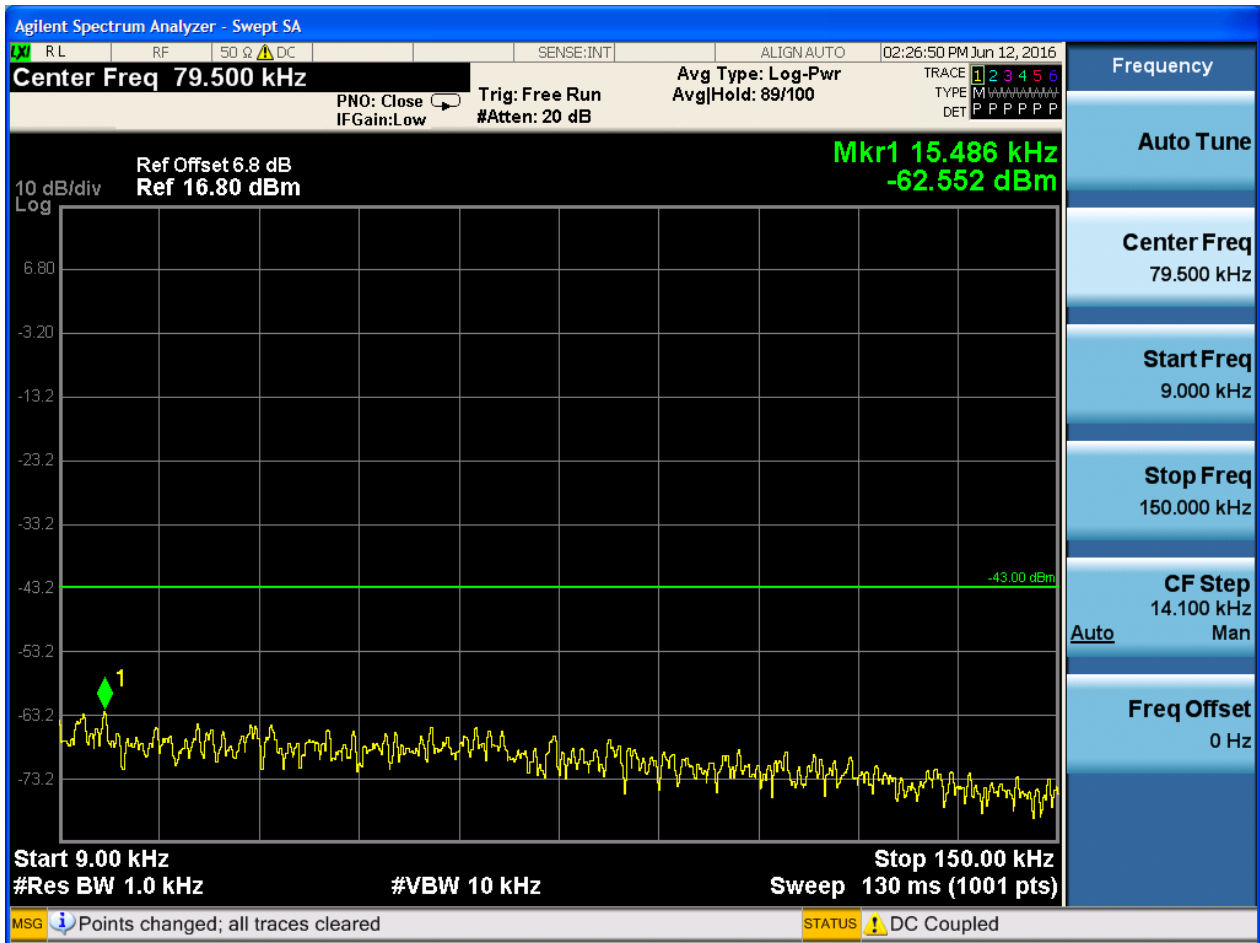
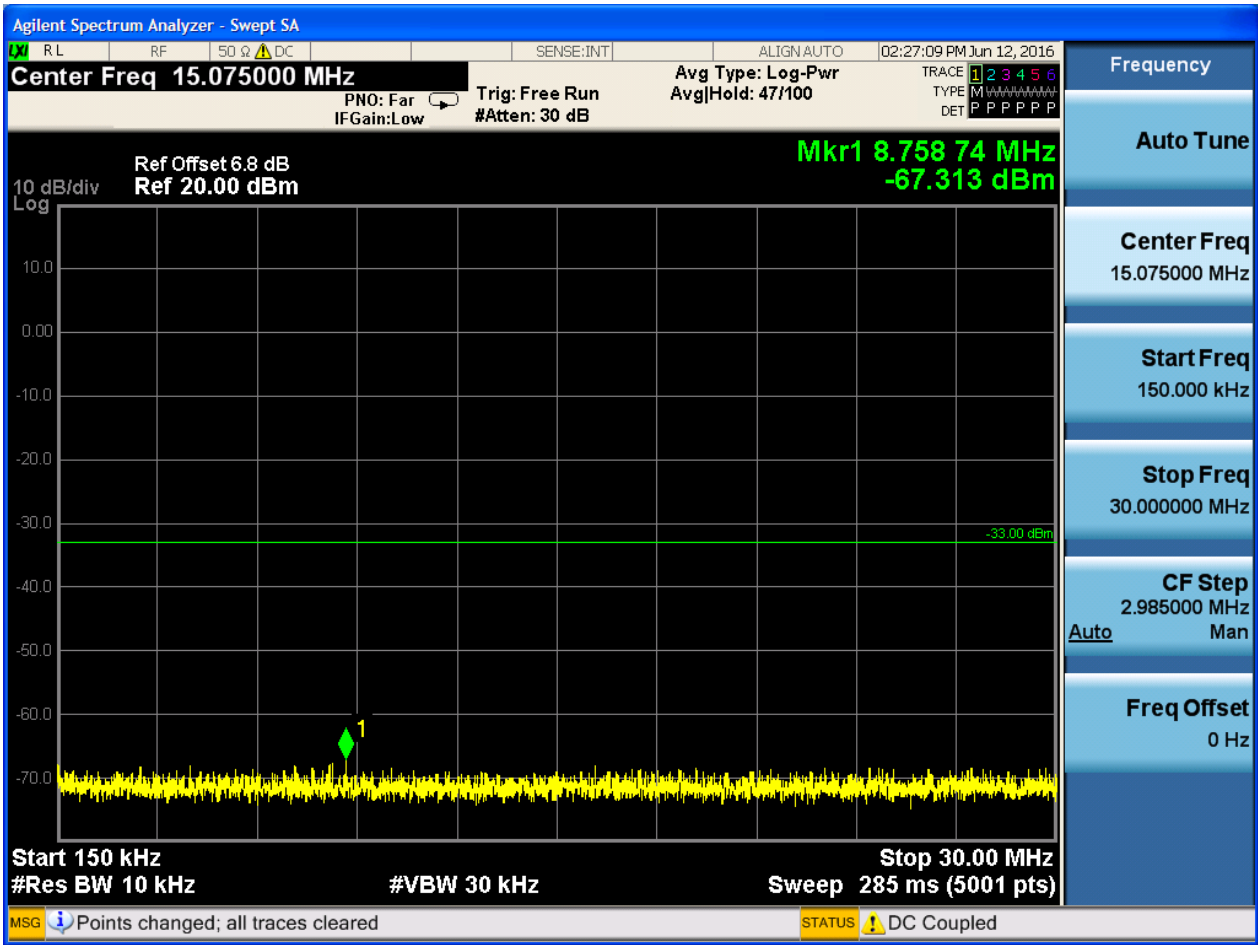
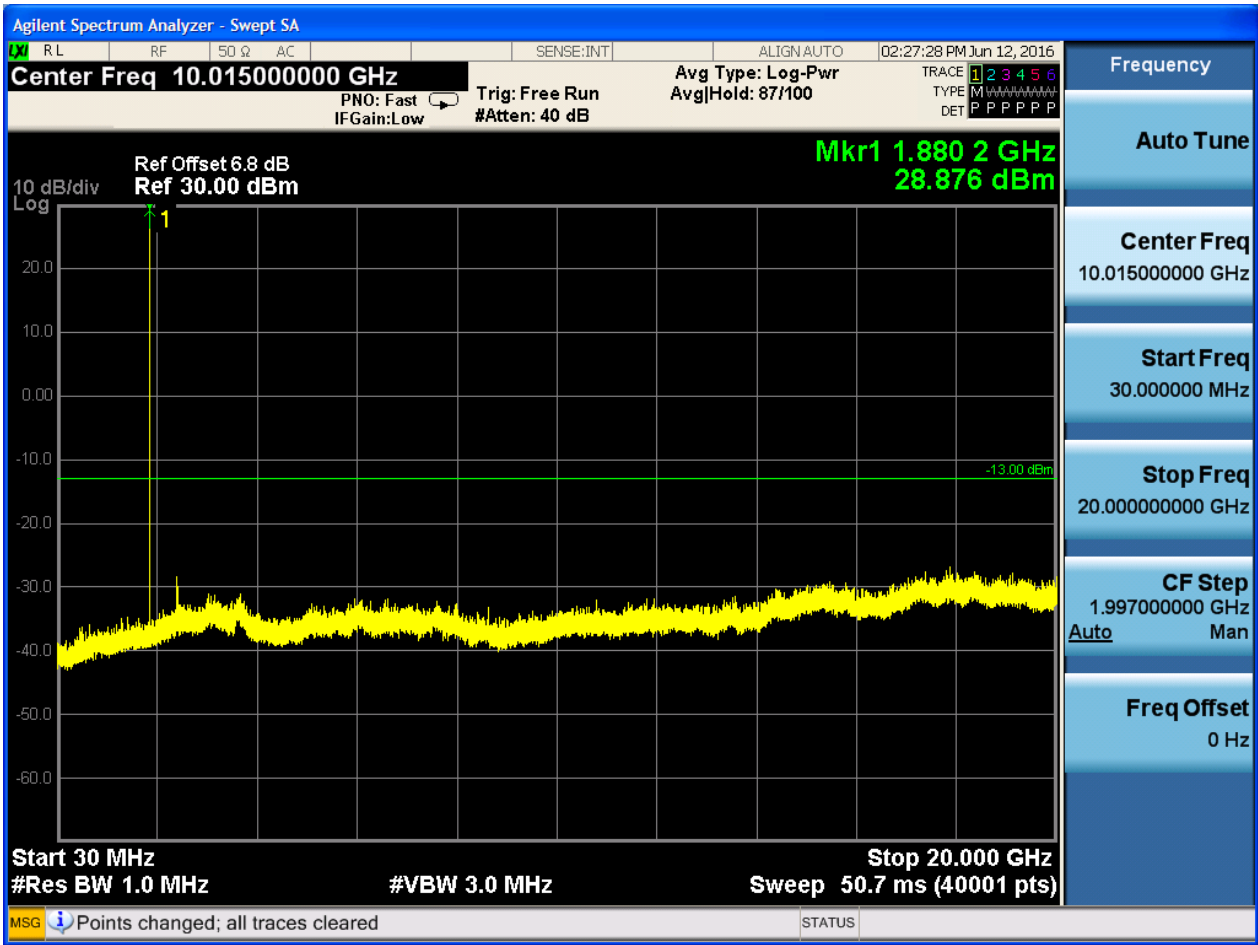




6.1.2.2.2 Test Channel = MCH

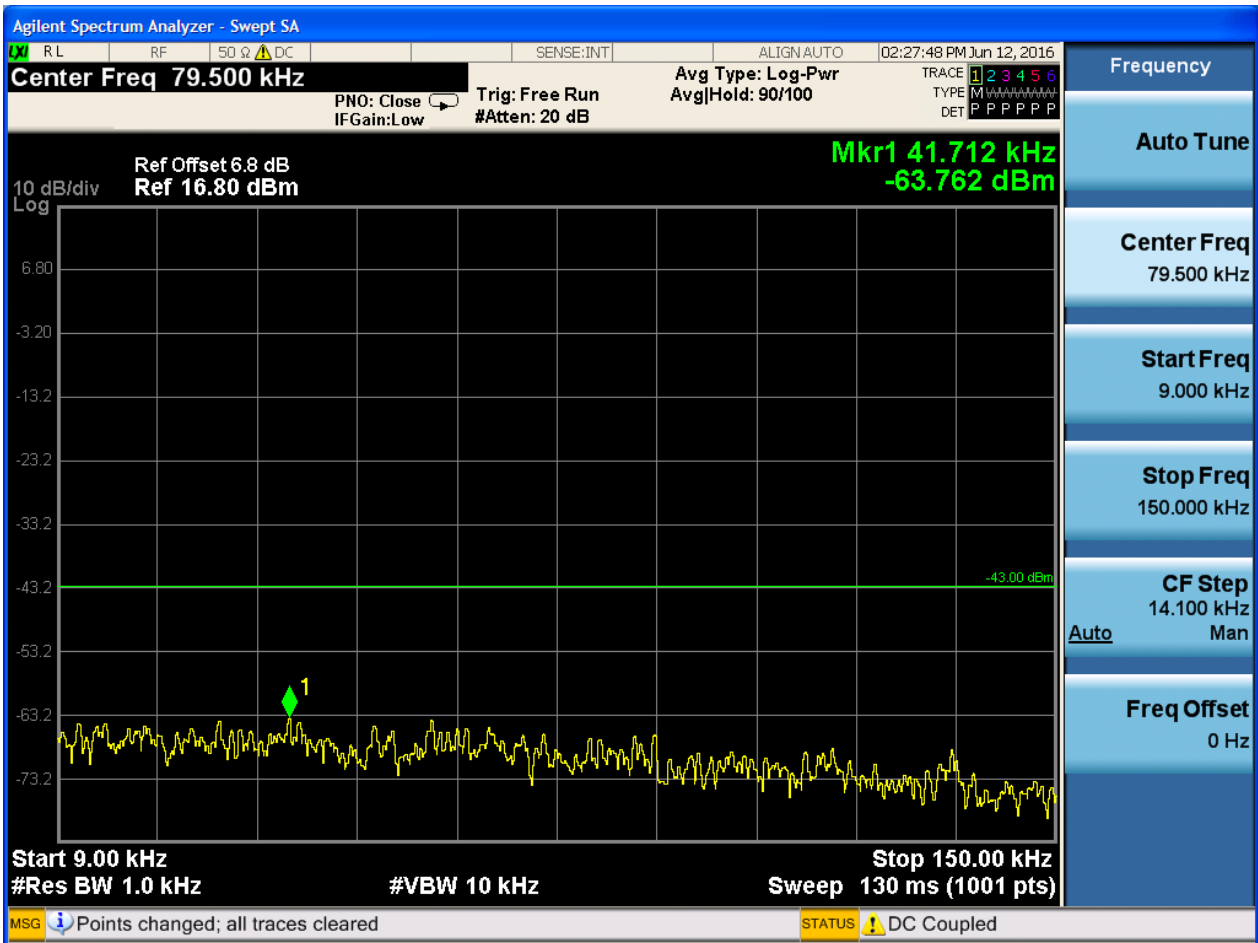


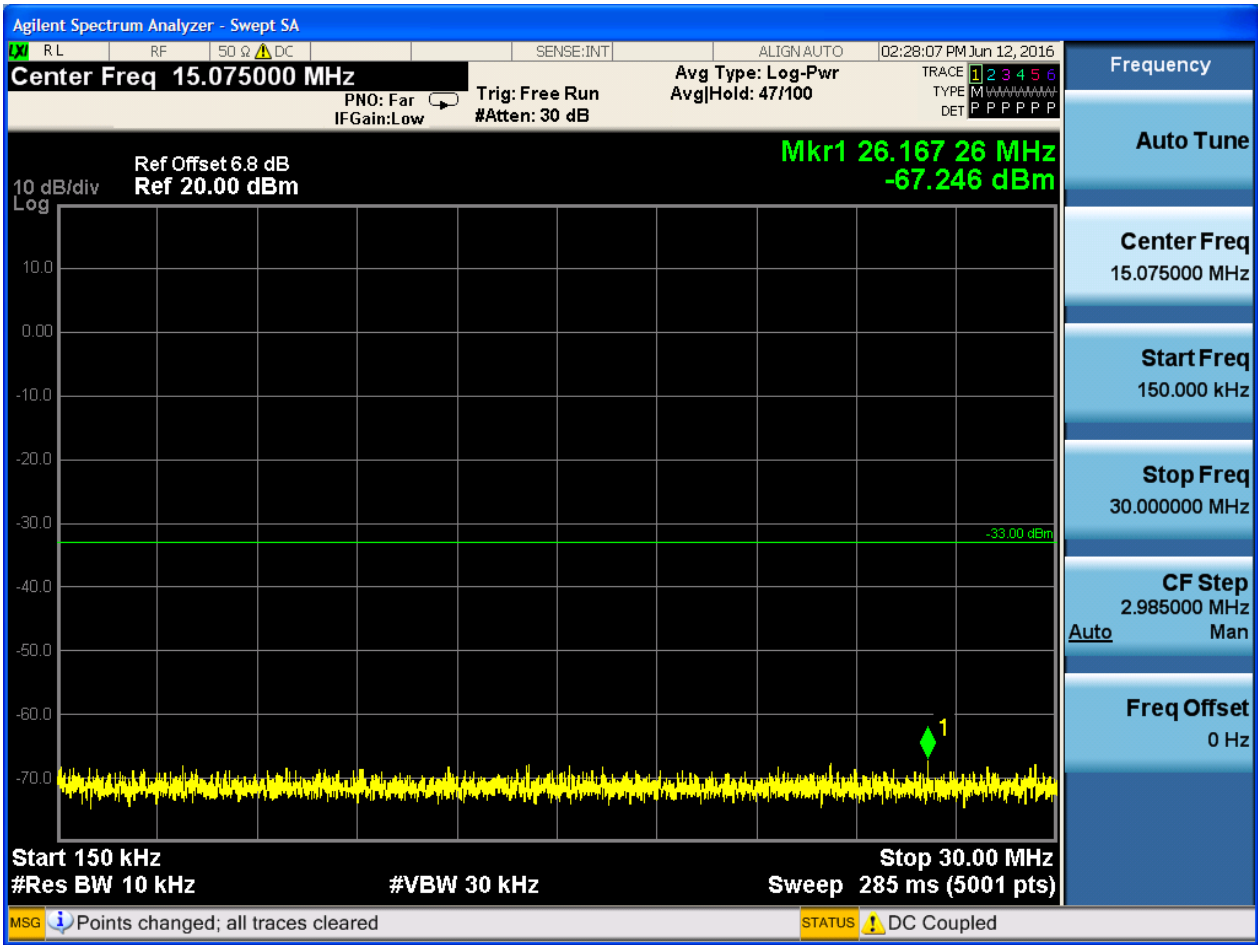


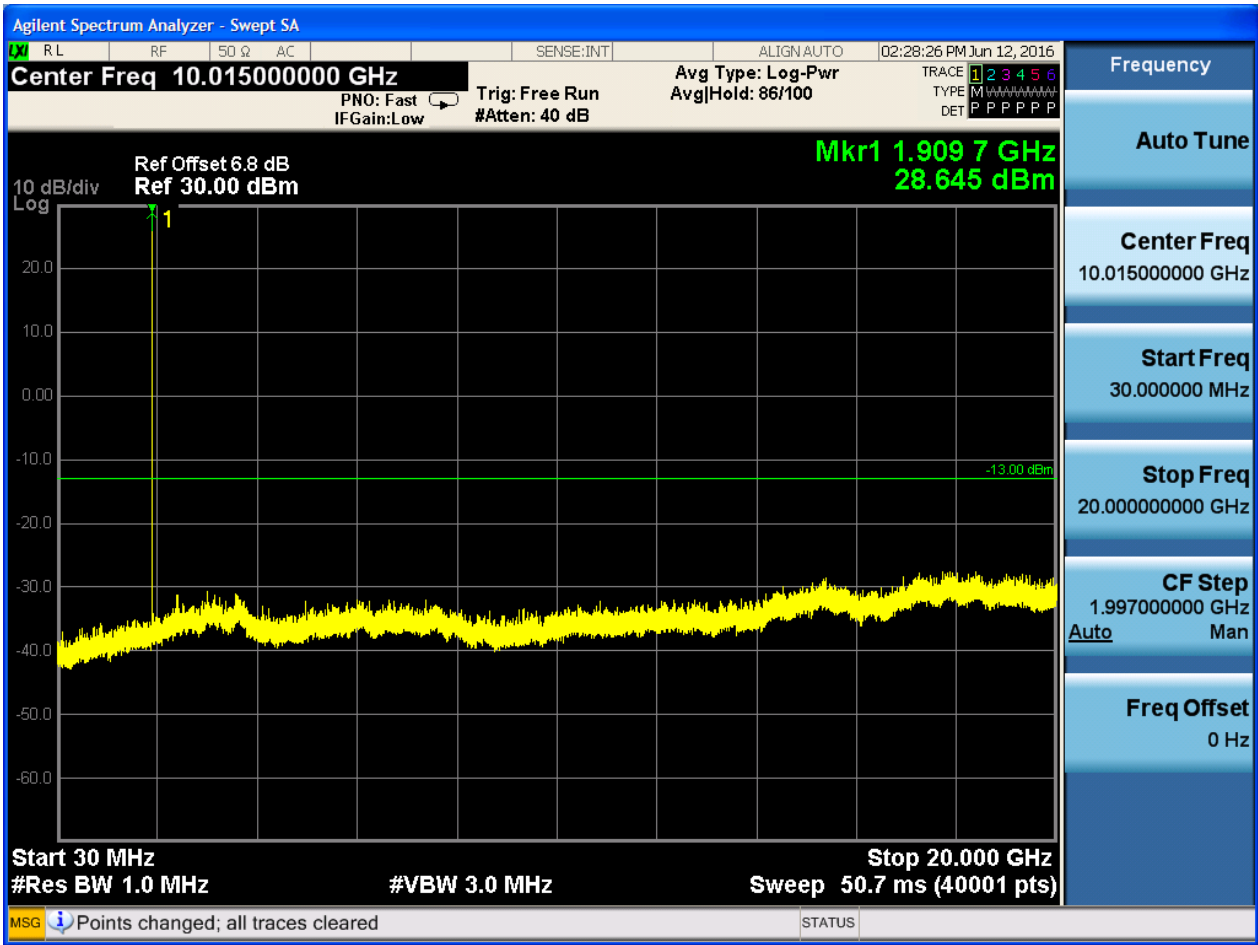




6.1.2.2.3 Test Channel = HCH







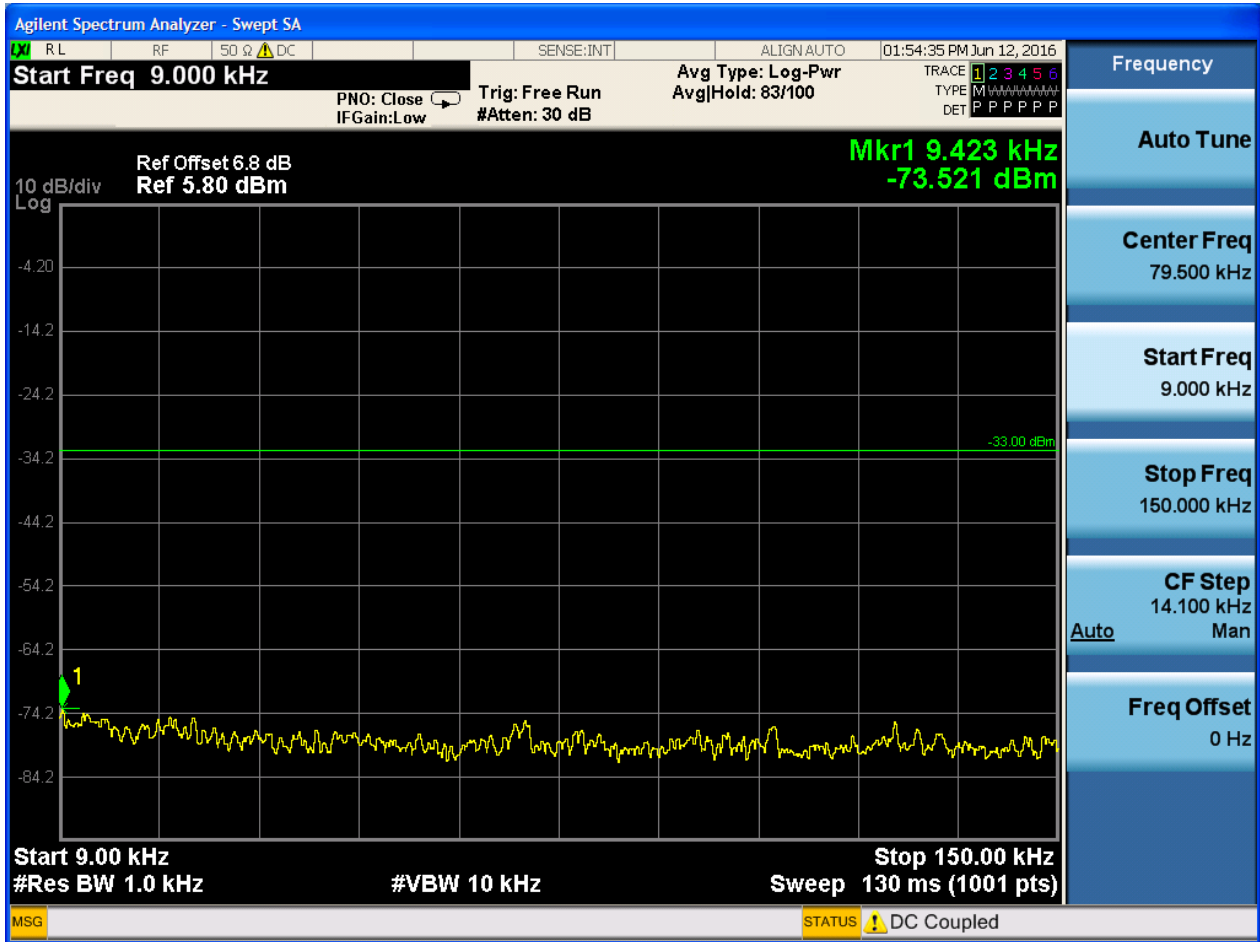


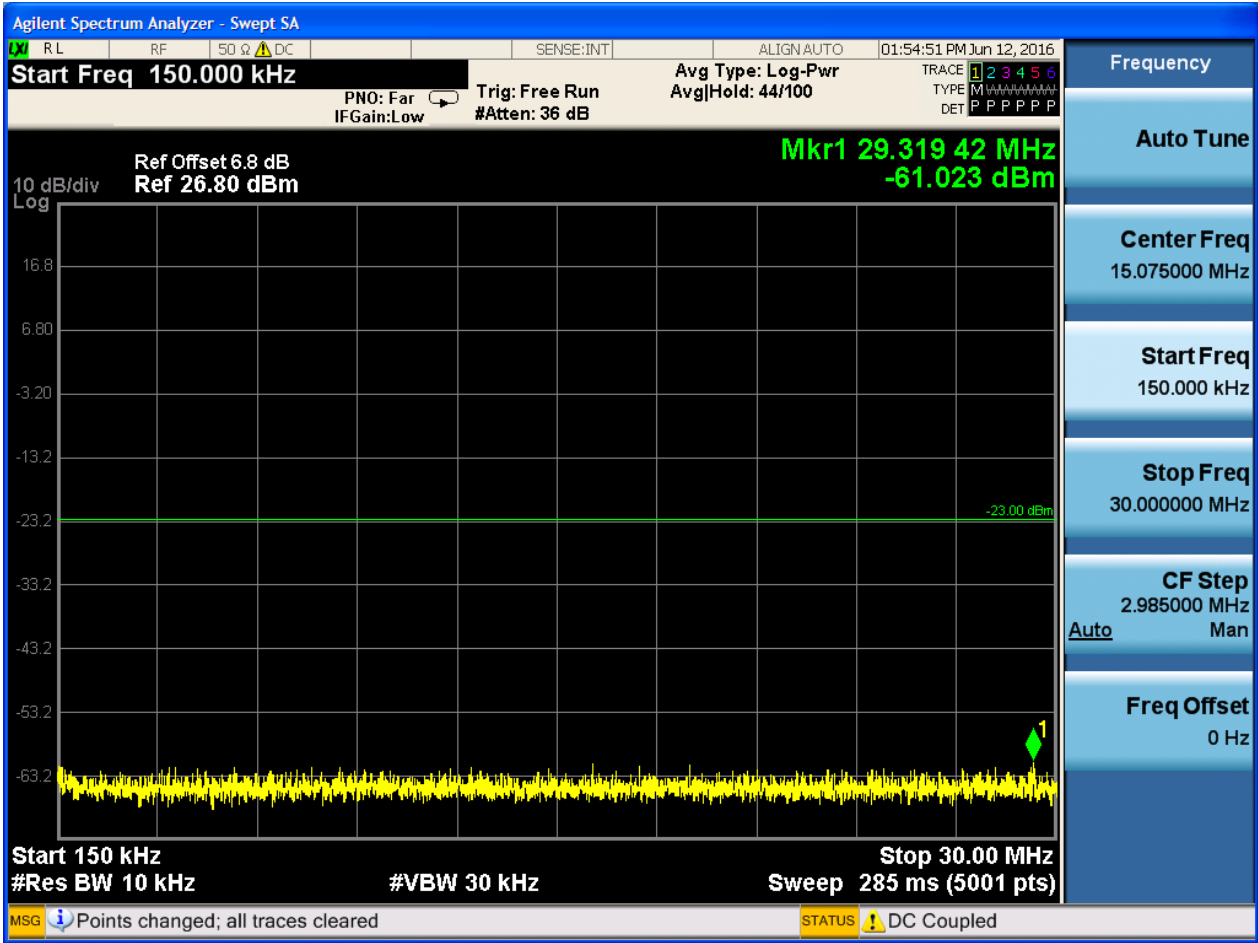
6.2 For UMTS

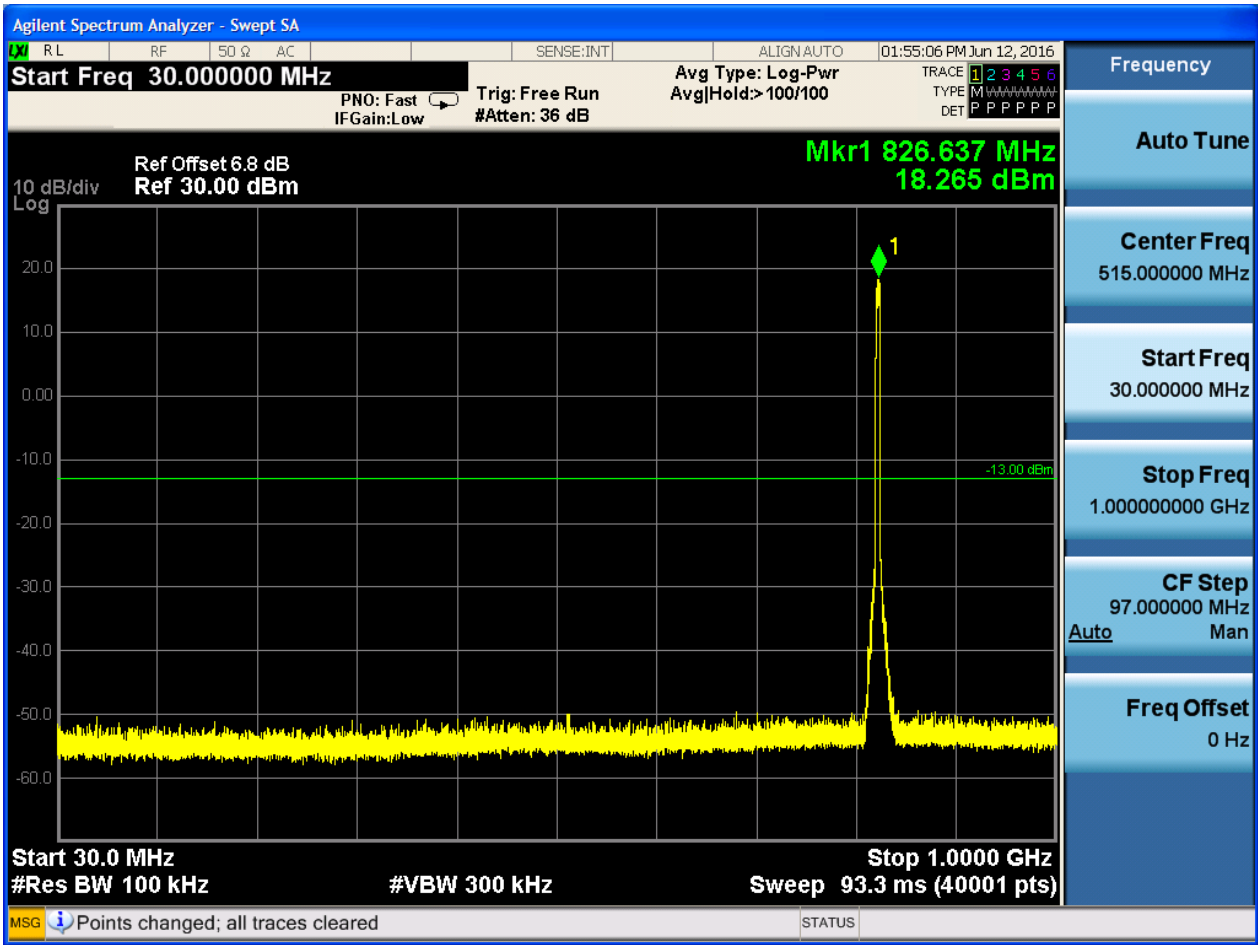
6.2.1 Test Band = WCDMA850

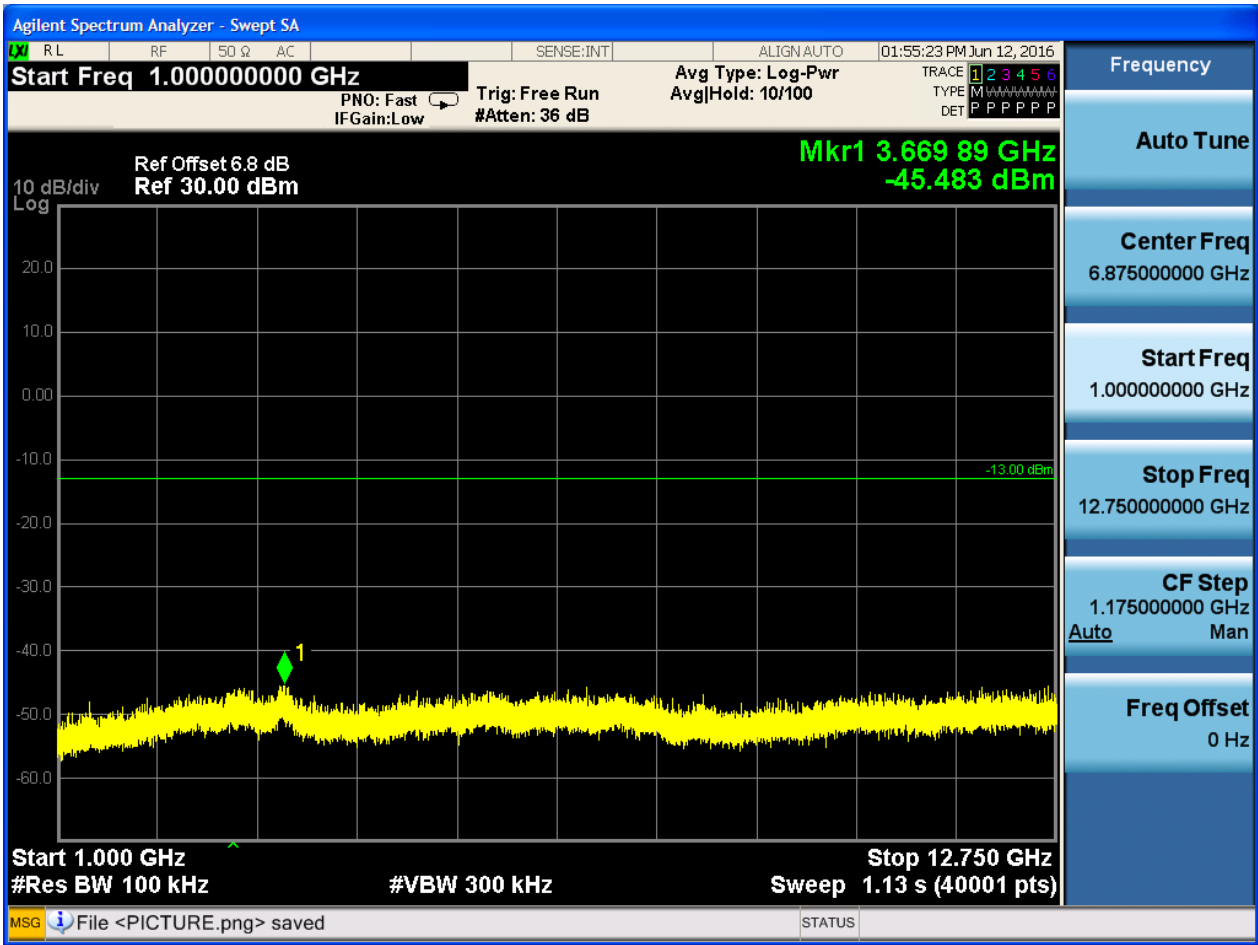
6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH



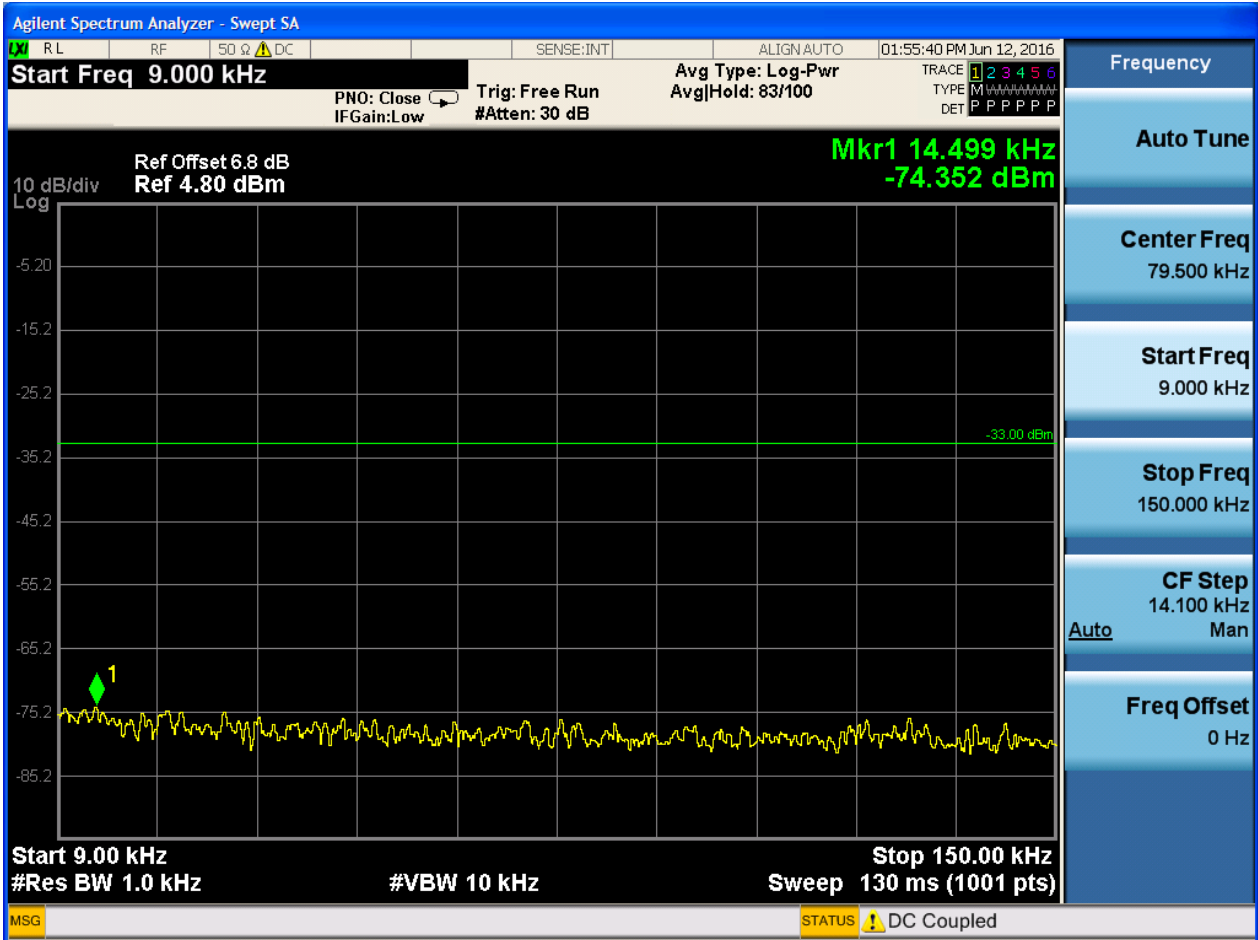


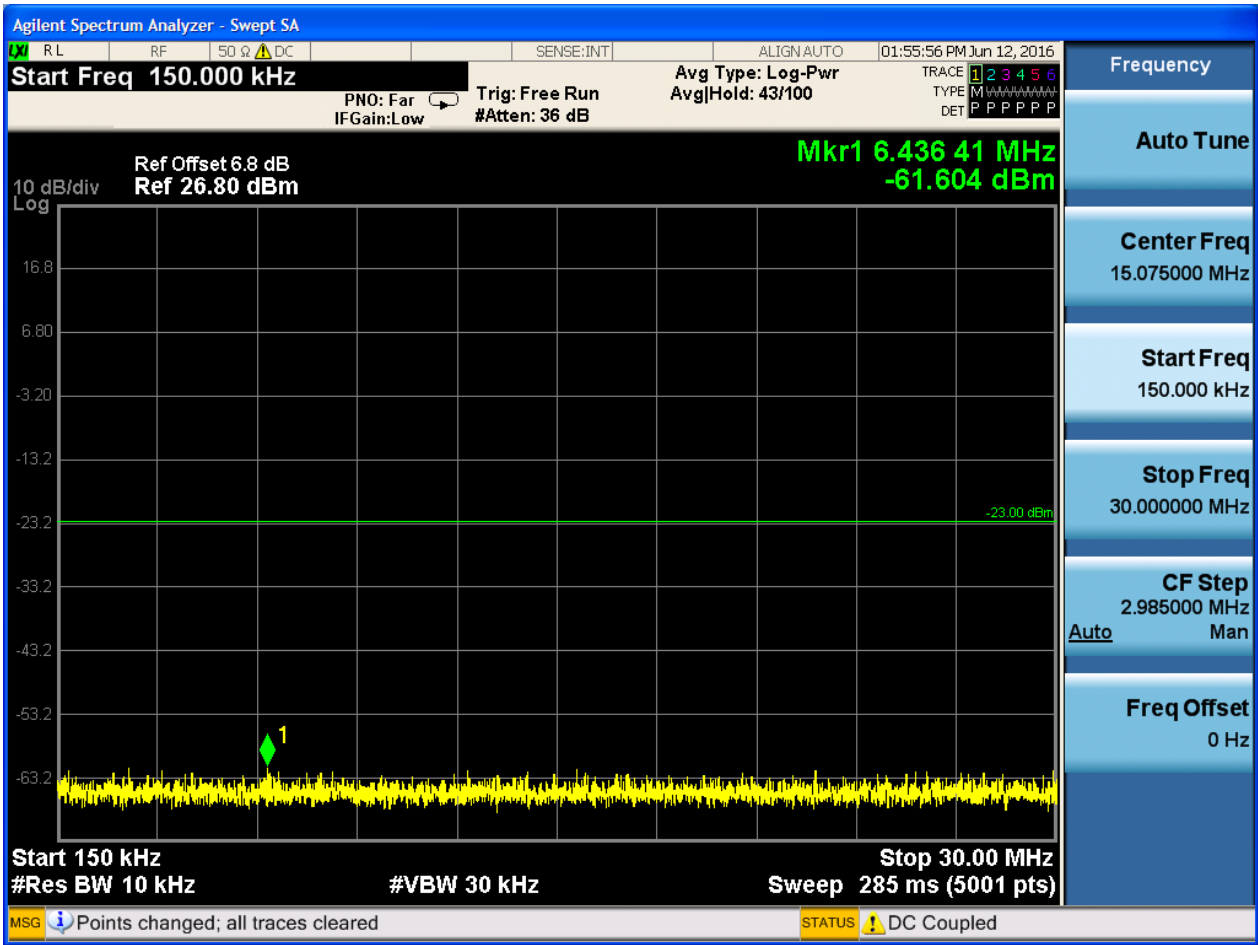


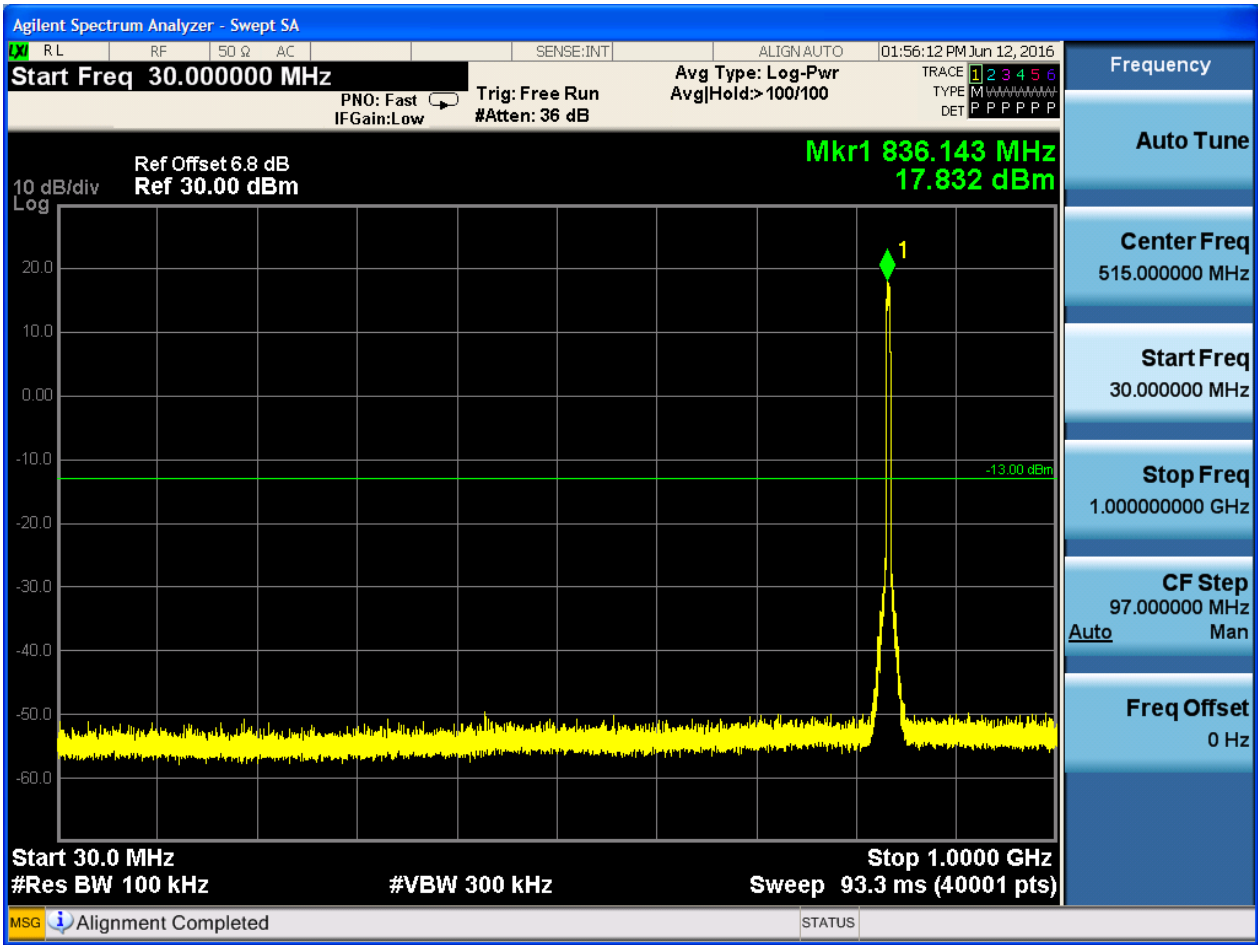


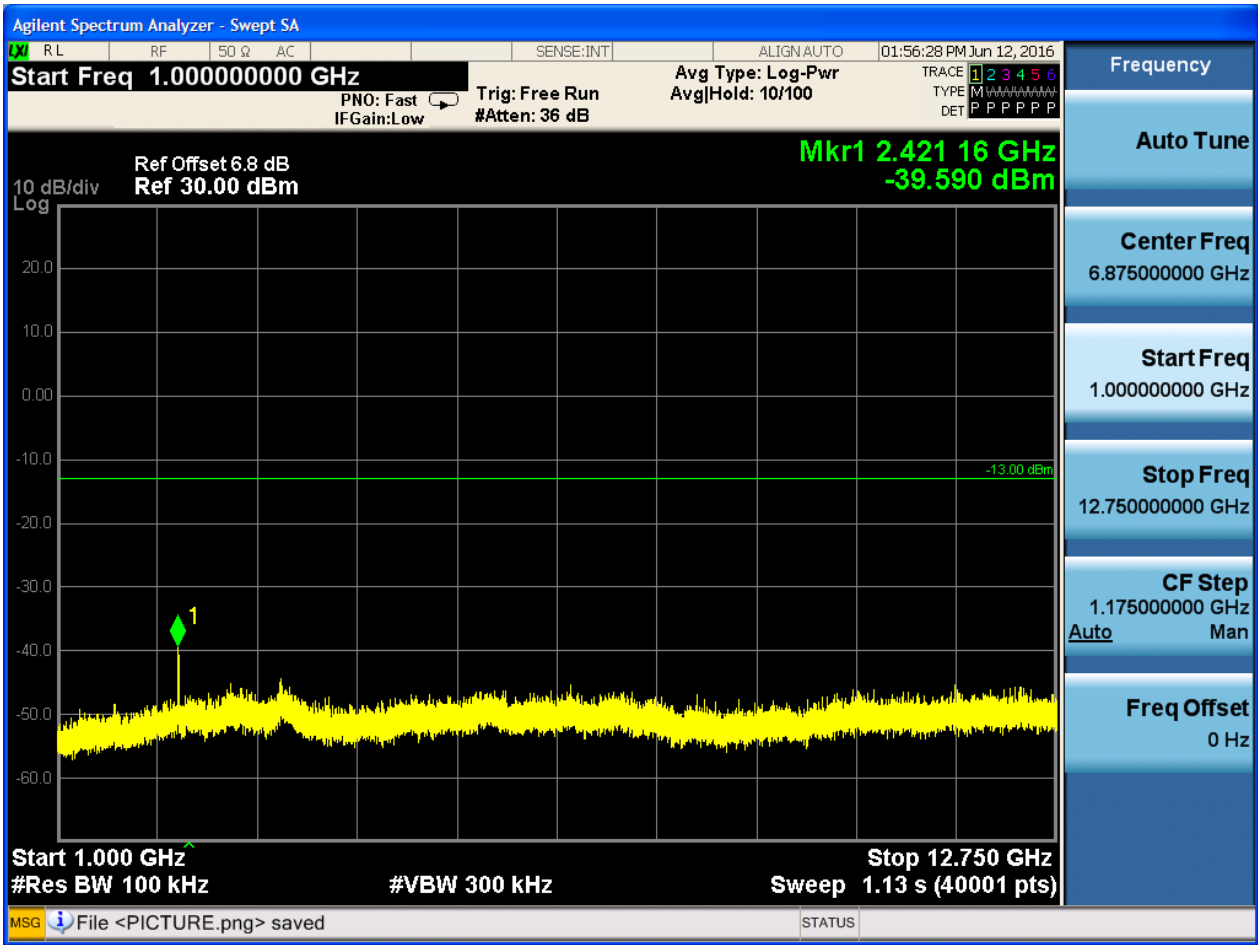


6.2.1.1.2 Test Channel = MCH



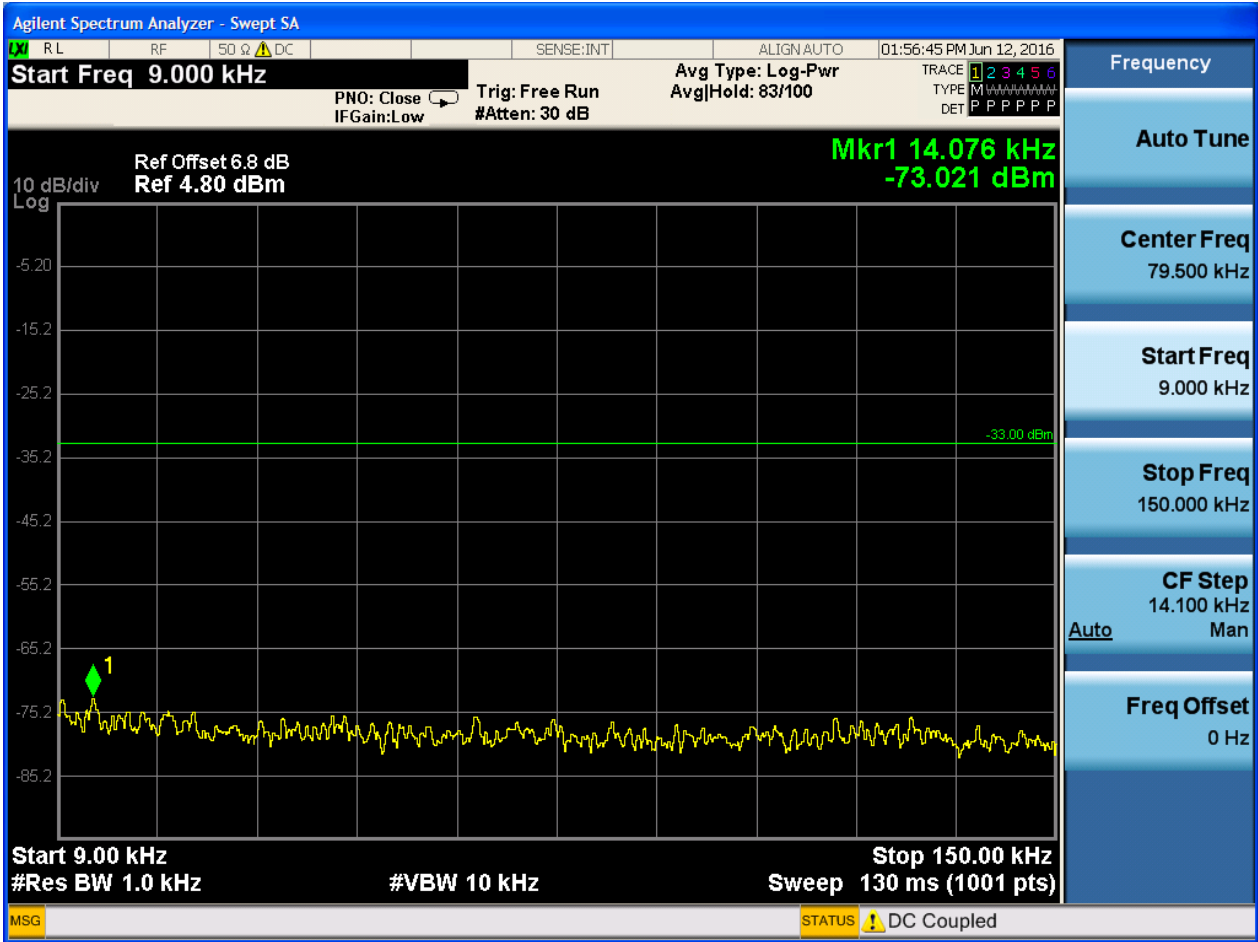


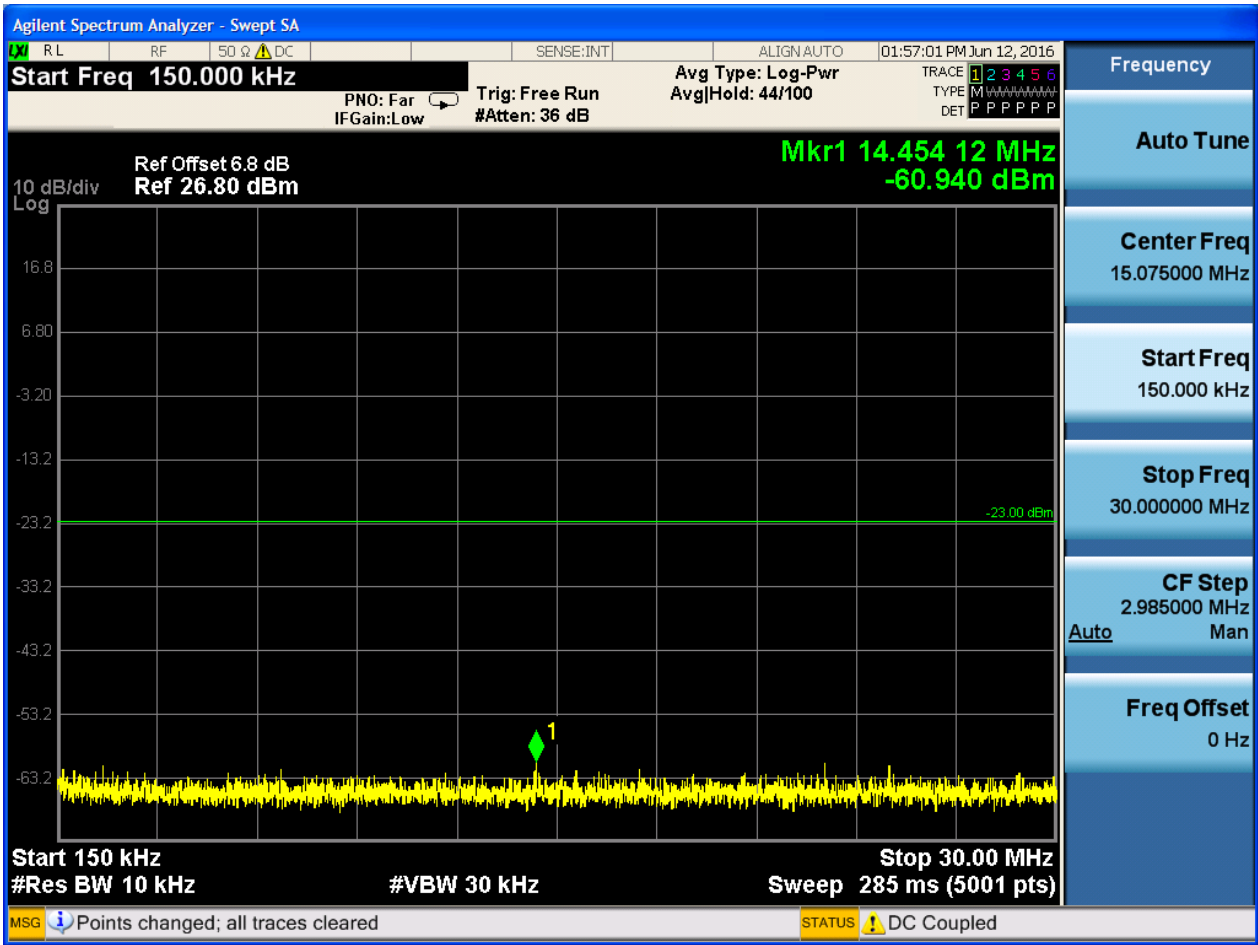


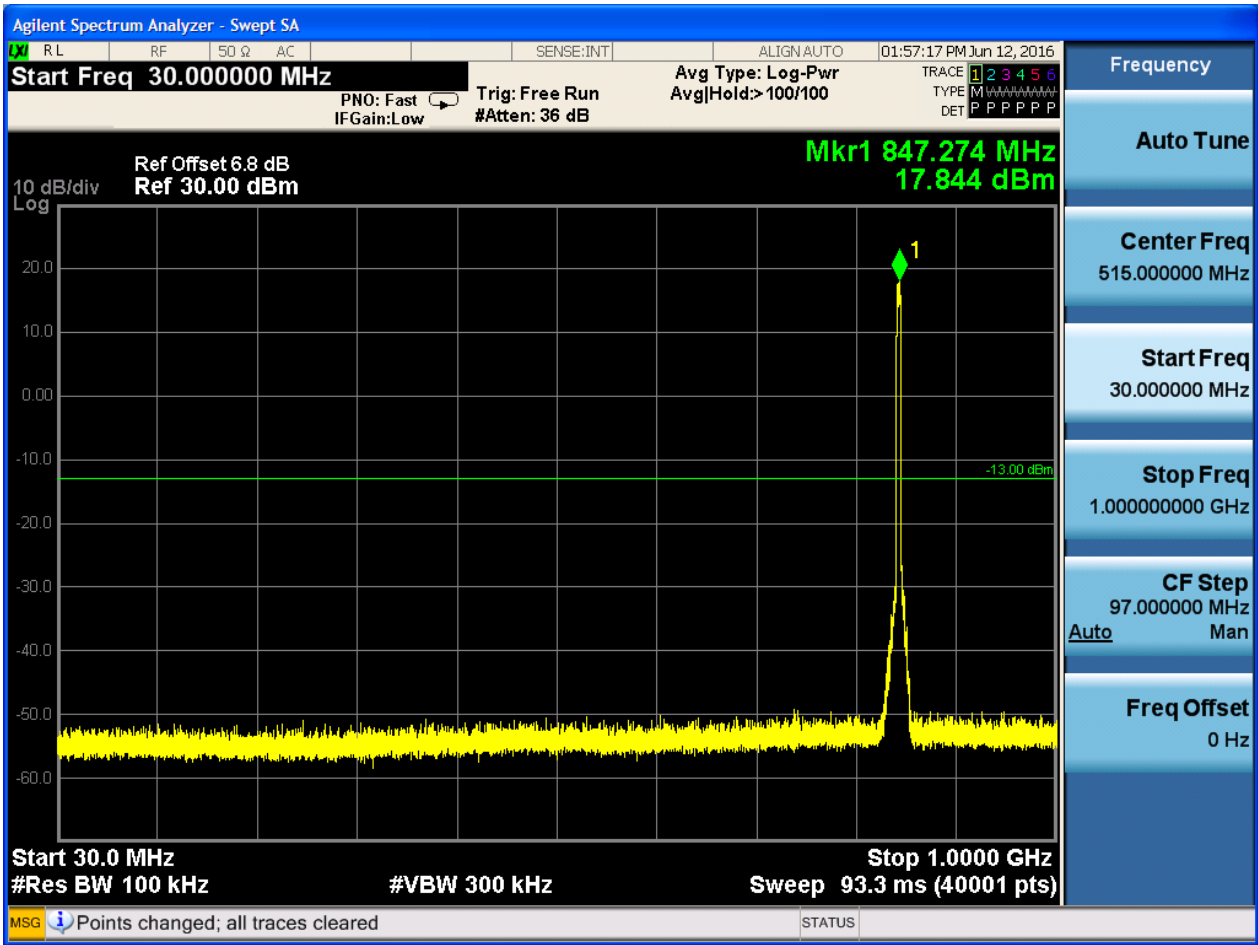


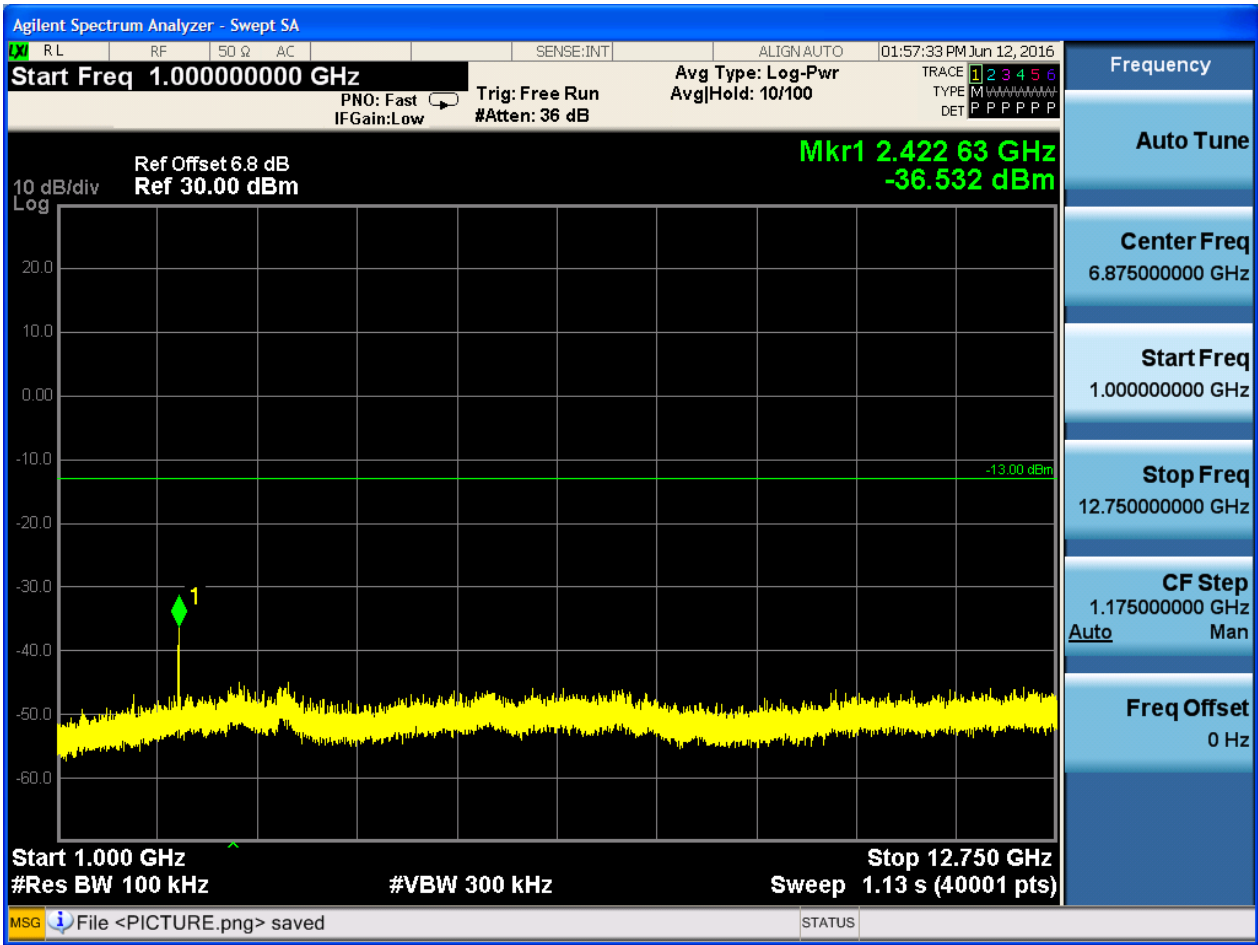


6.2.1.1.3 Test Channel = HCH







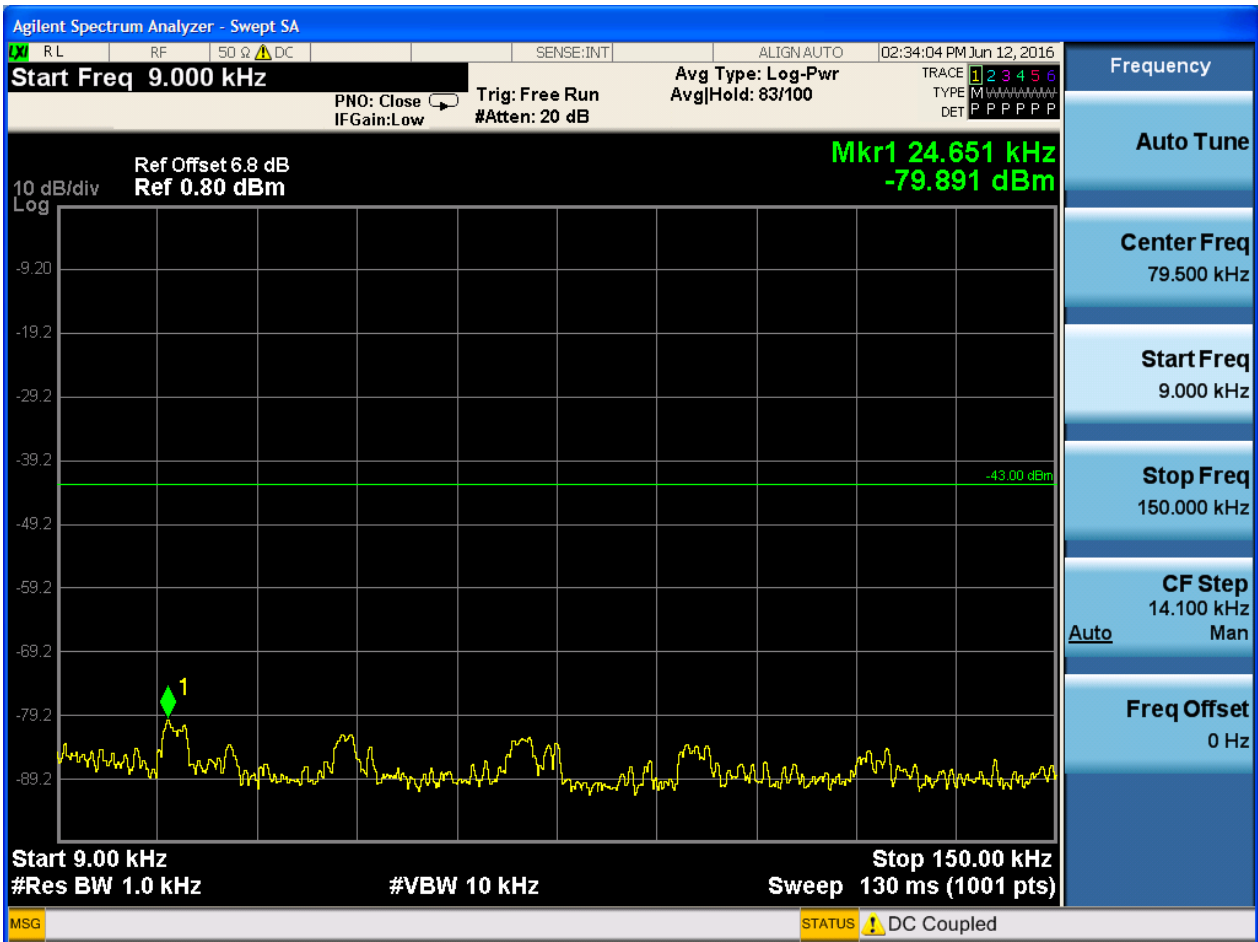


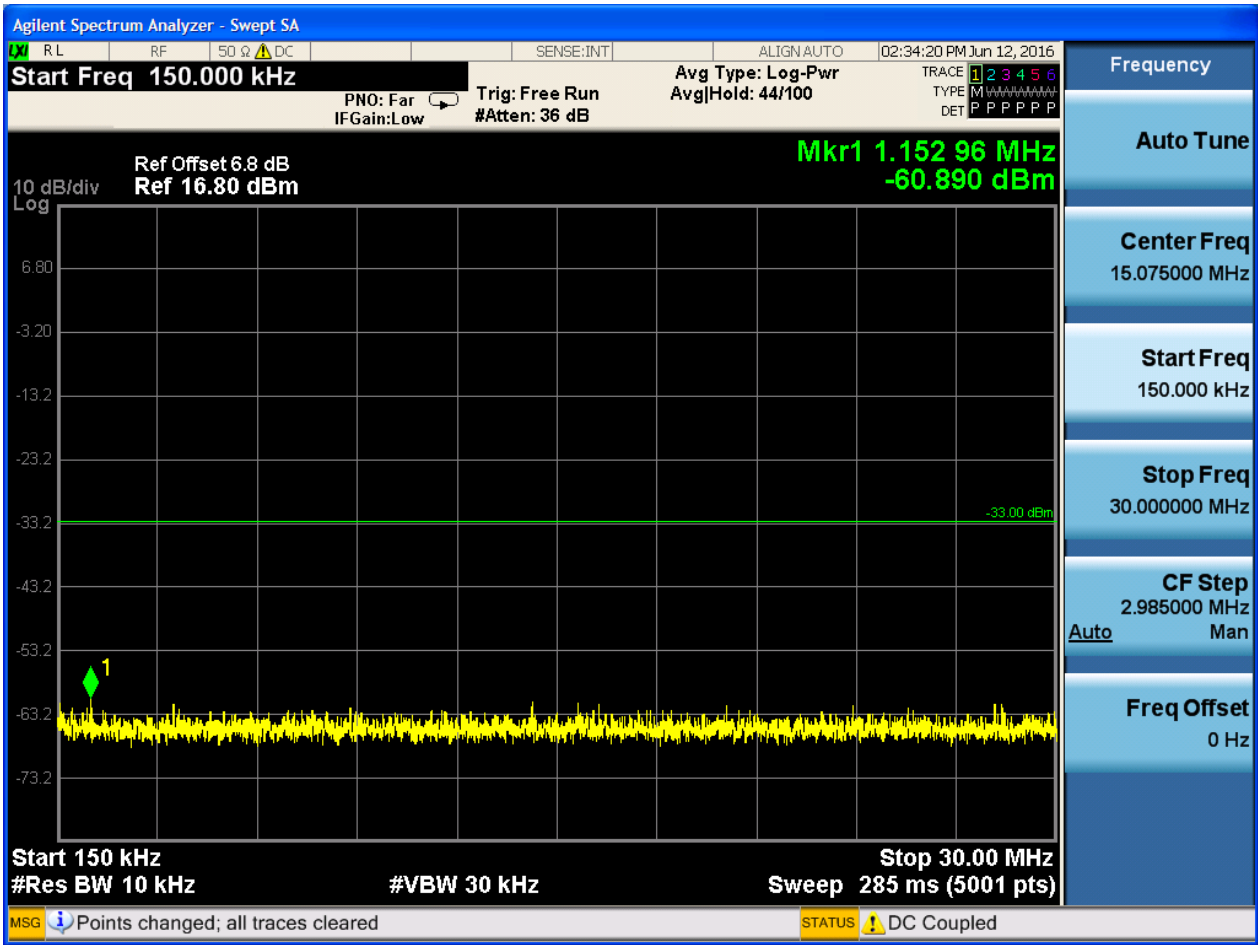


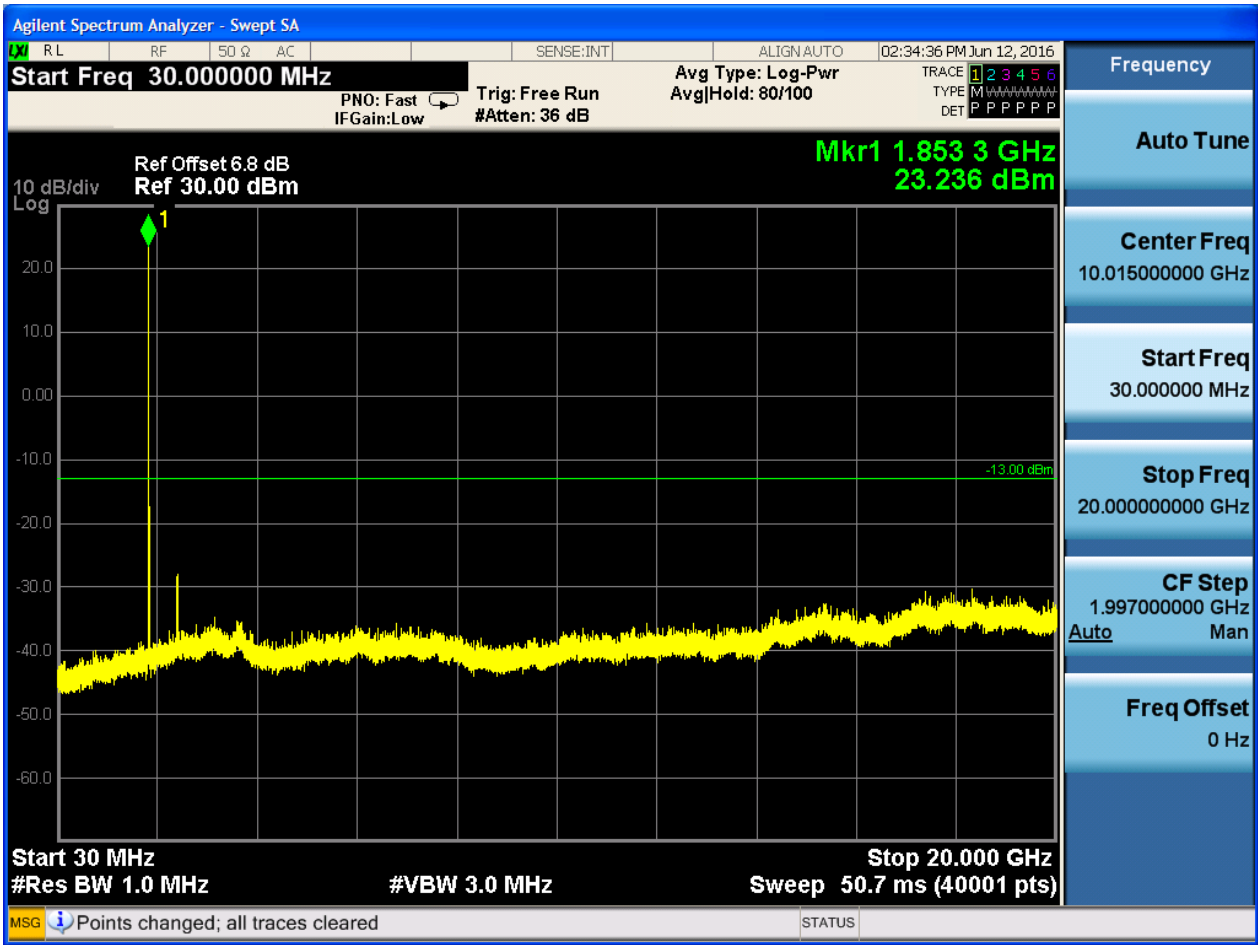
6.2.2 Test Band = WCDMA1900

6.2.2.1 Test Mode = UMTS/TM1

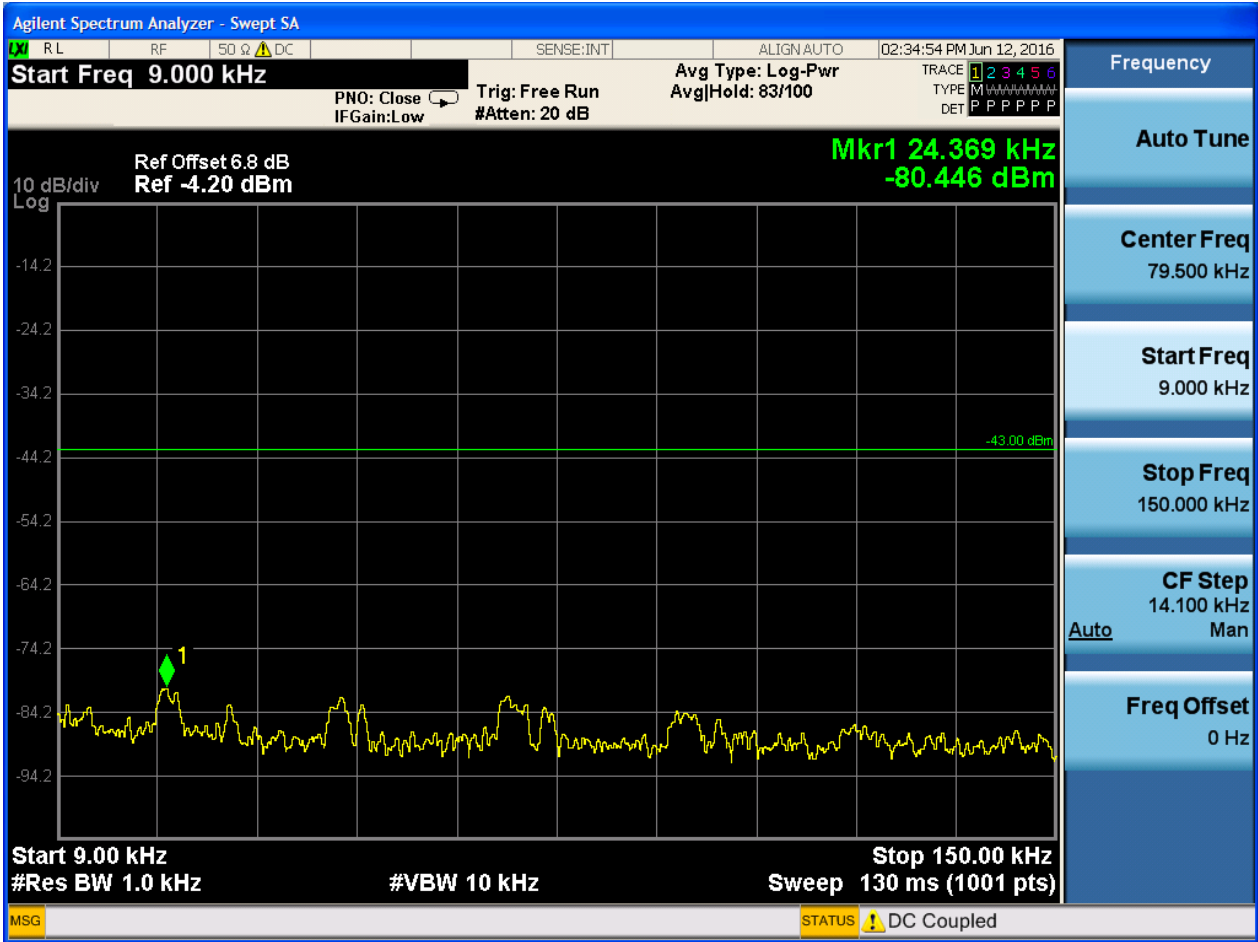
6.2.2.1.1 Test Channel = LCH

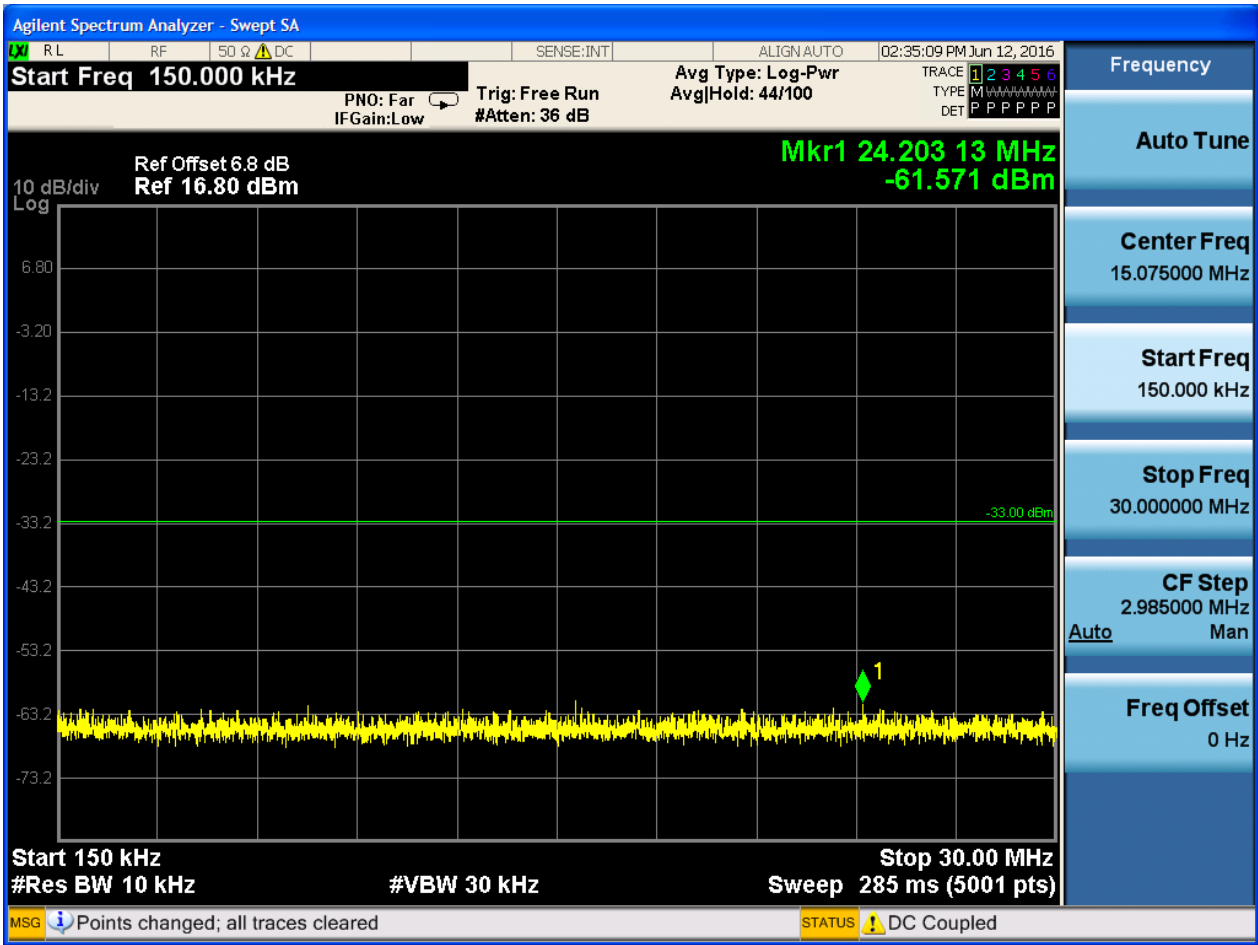


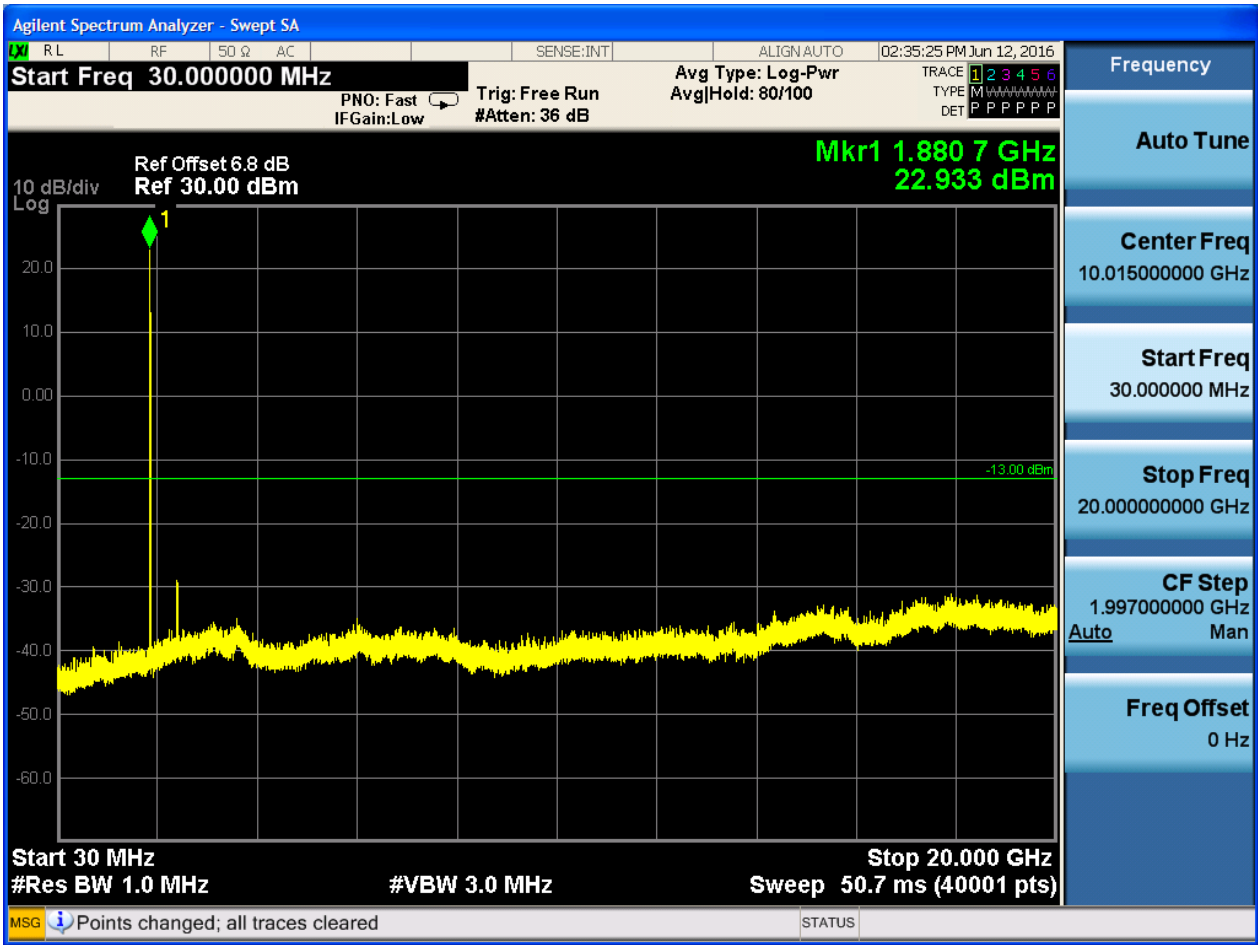




6.2.2.1.2 Test Channel = MCH

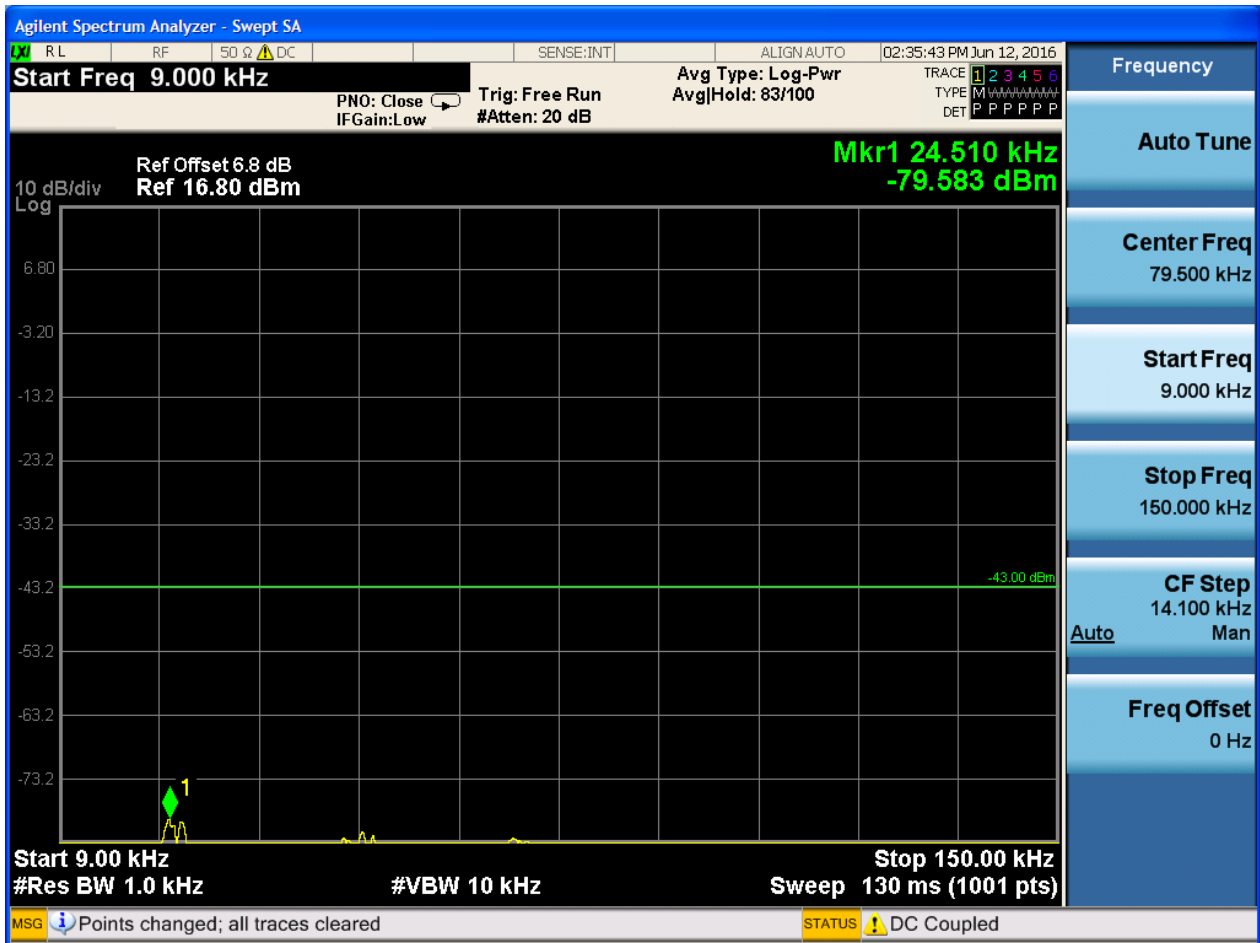


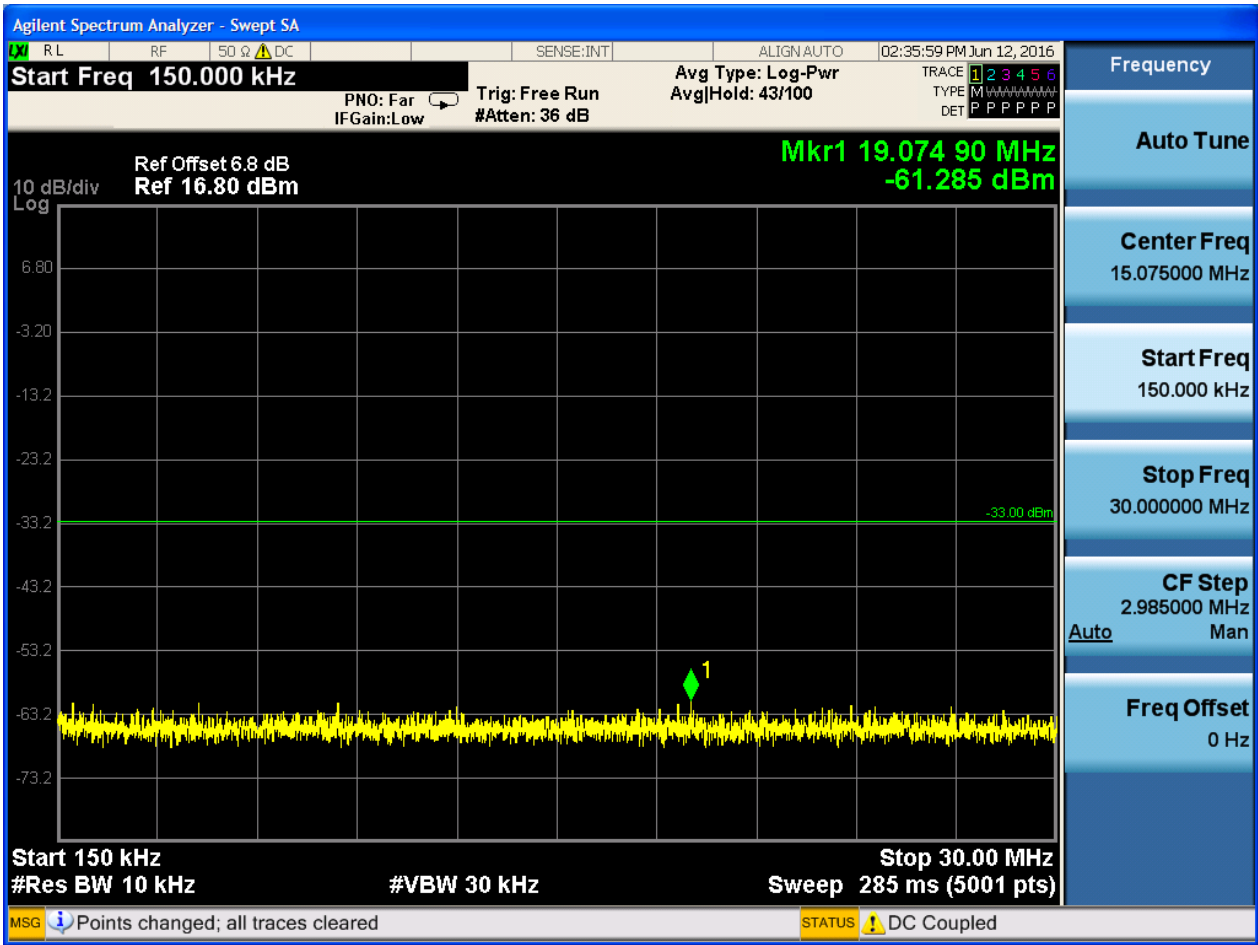


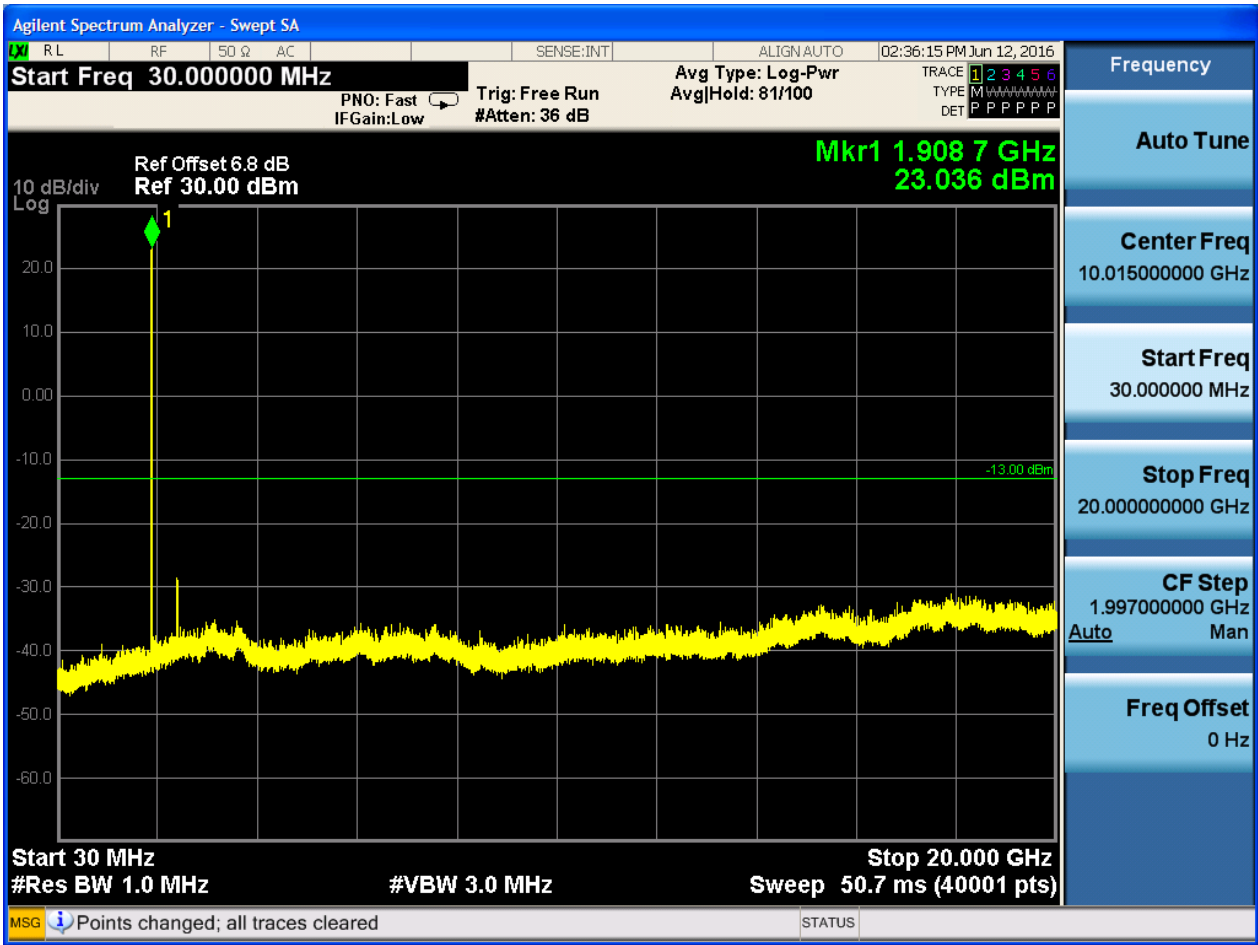




6.2.2.1.3 Test Channel = HCH







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

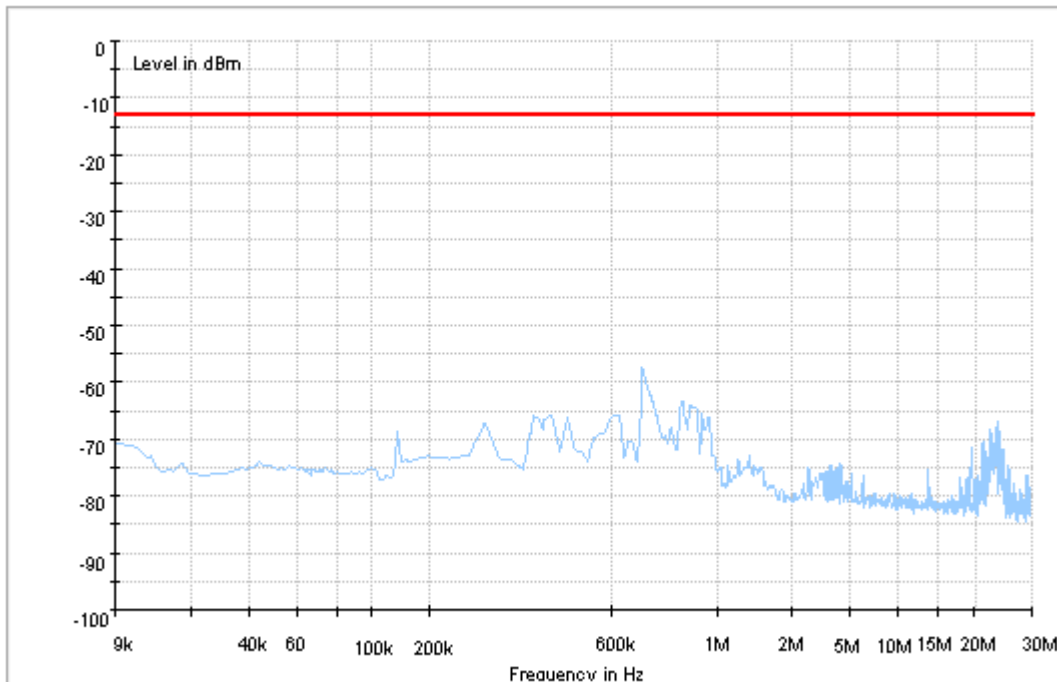
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

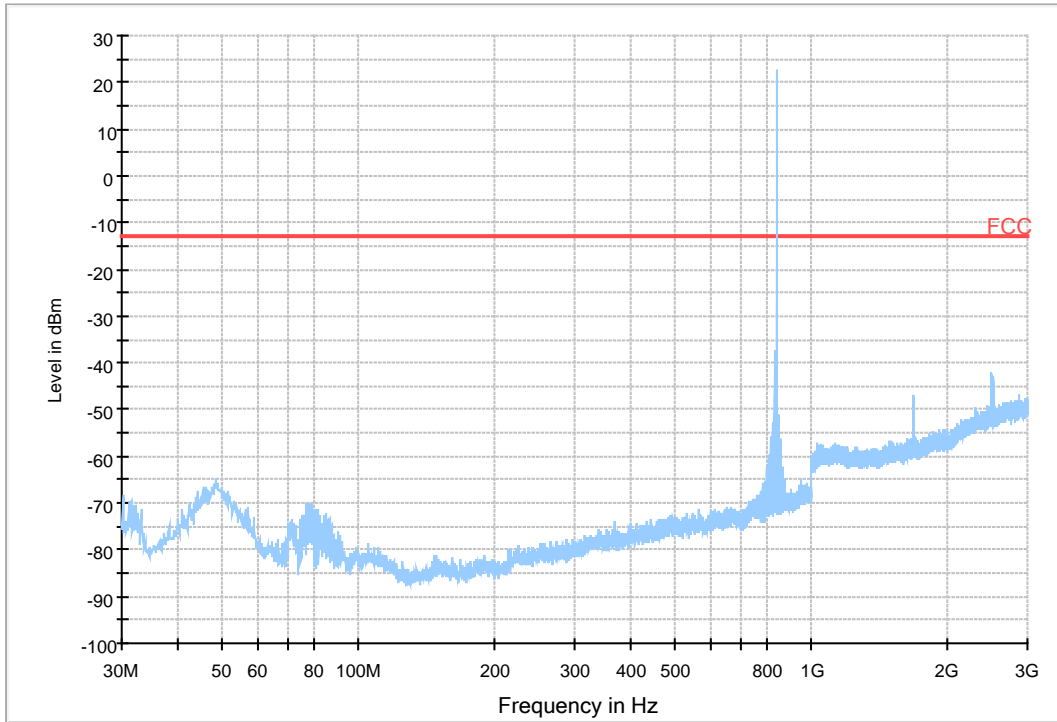
7.1 For GSM

7.1.1 Test Band = GSM850

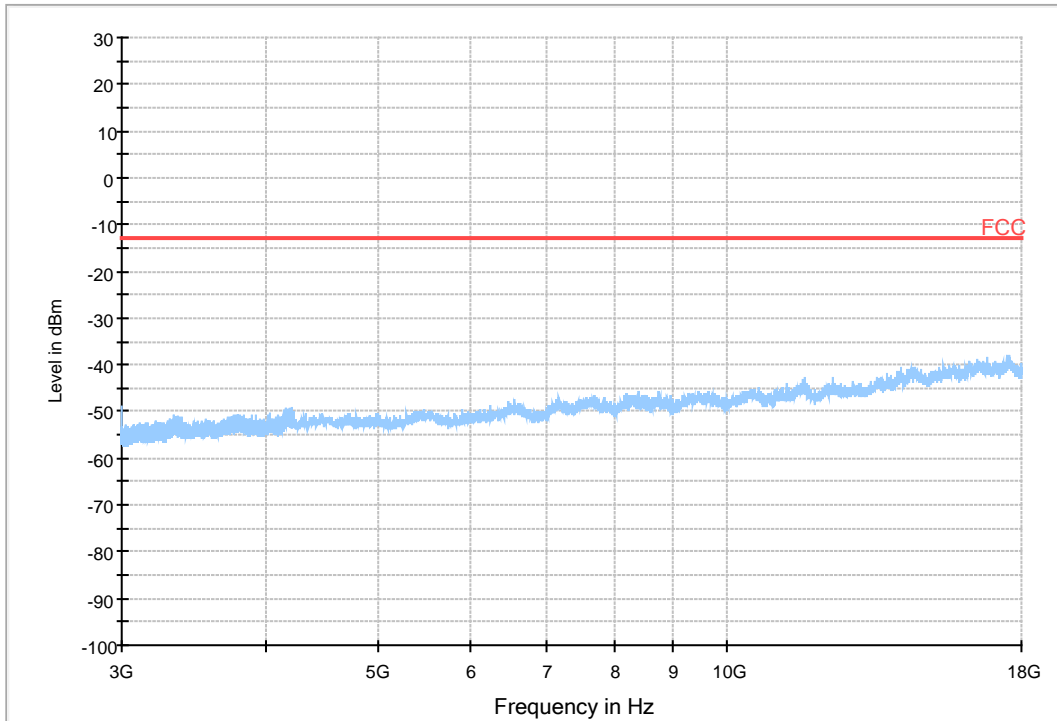
7.1.1.1 Test Mode = GSM/TM1



Copy of FCC PART22 GSM850_L

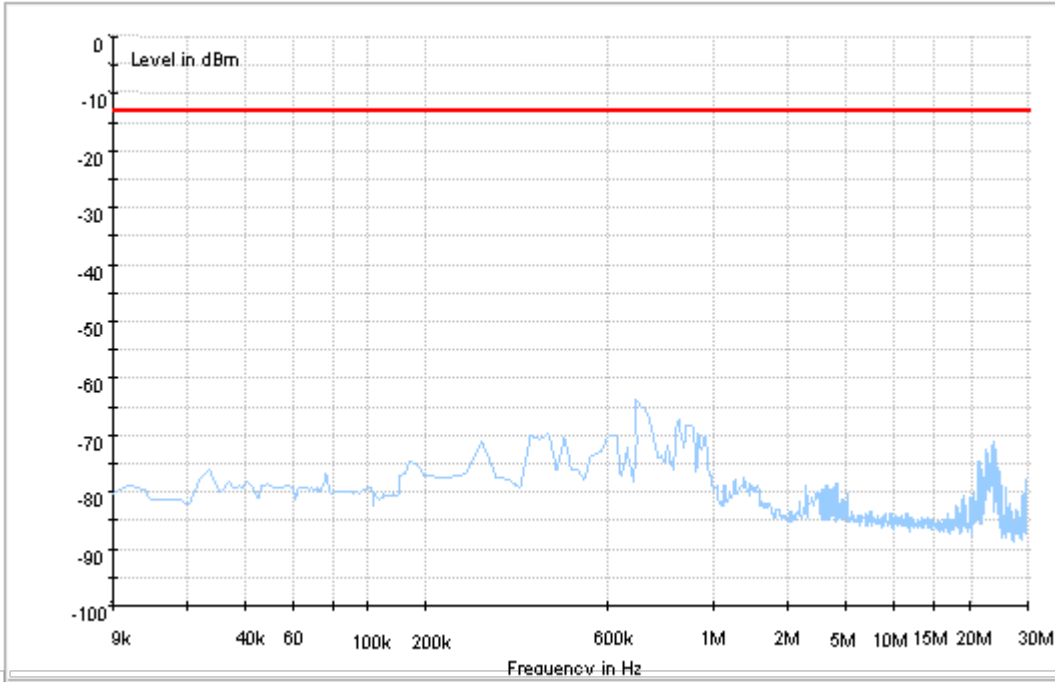


Copy of FCC PART22 GSM850_H

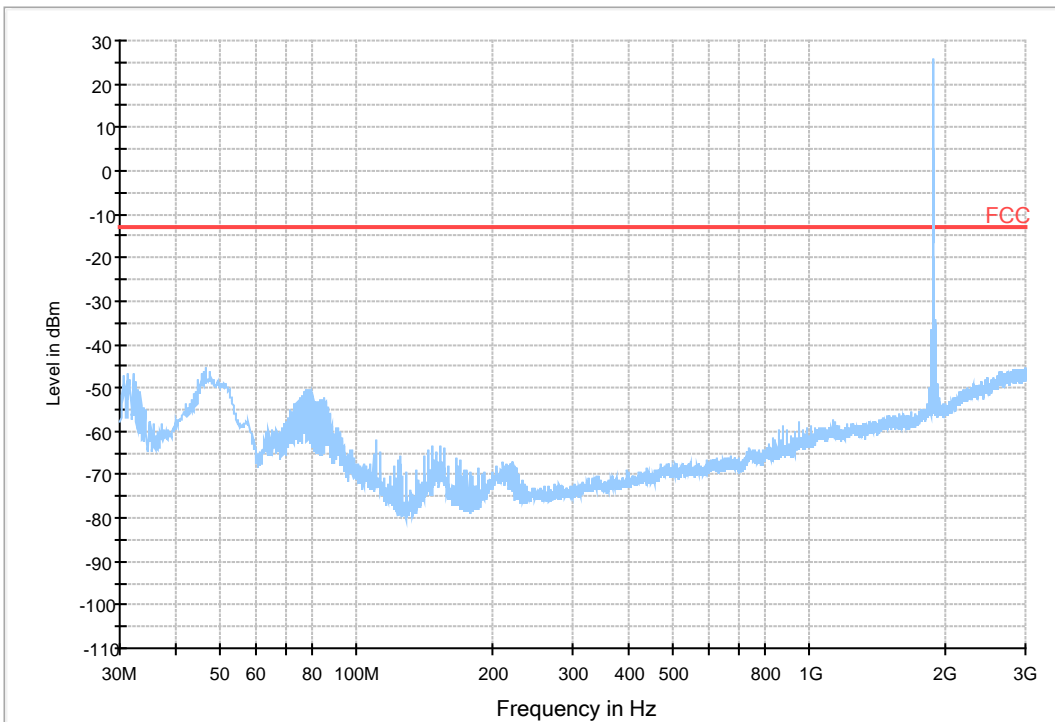


7.1.2 Test Band = GSM1900

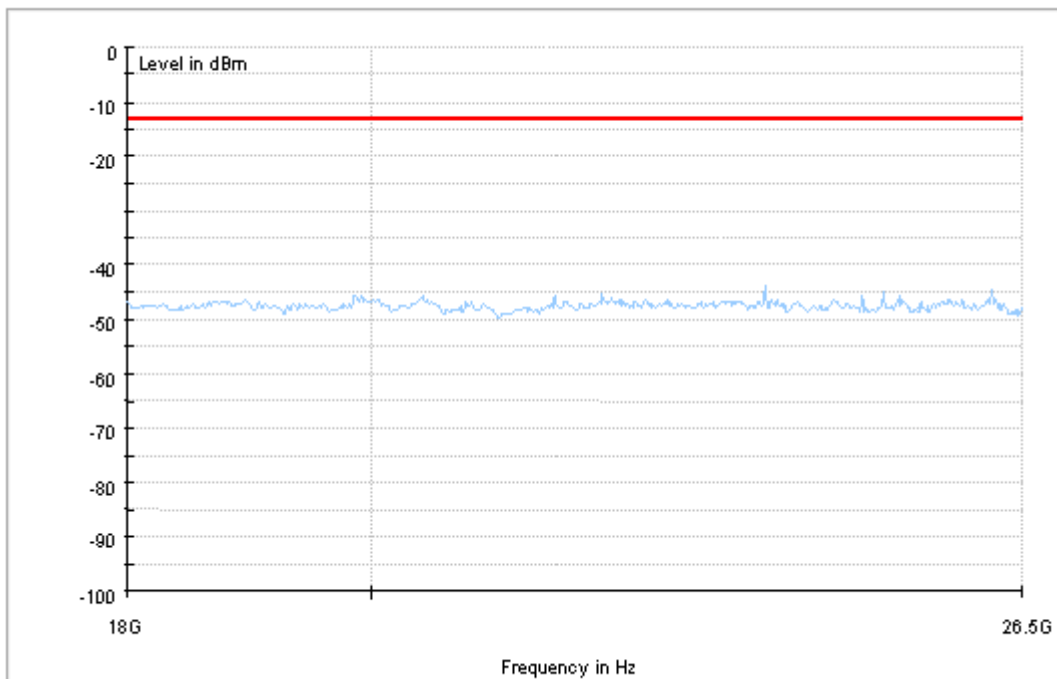
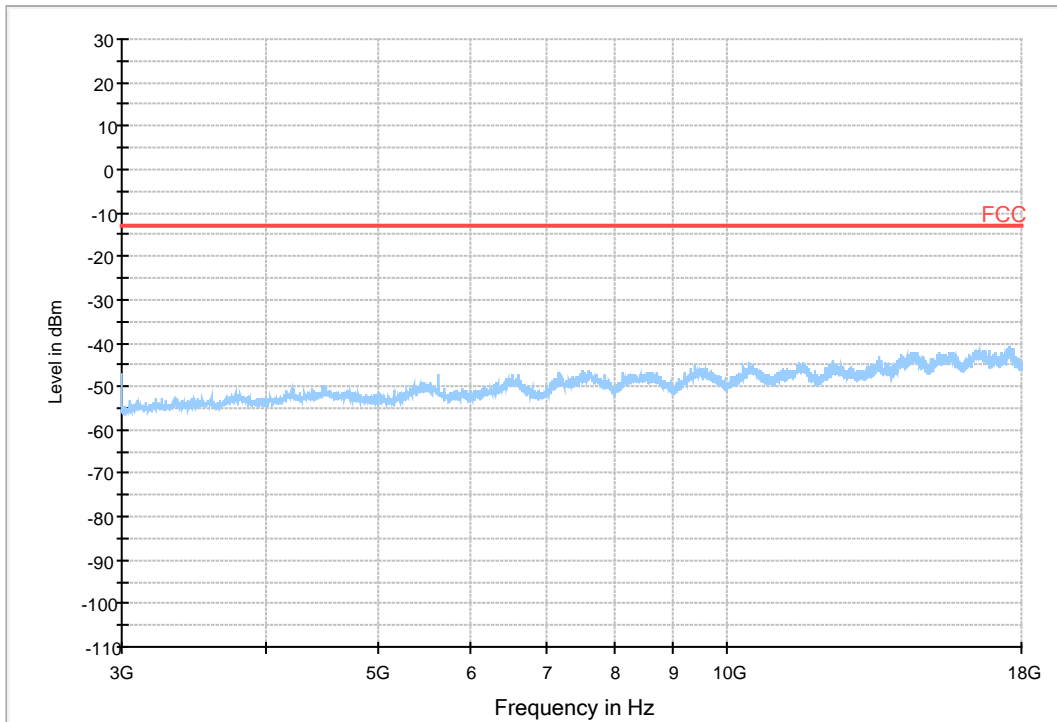
7.1.2.1 Test Mode = GSM/TM1



Copy of FCC PART24 GSM1900_L



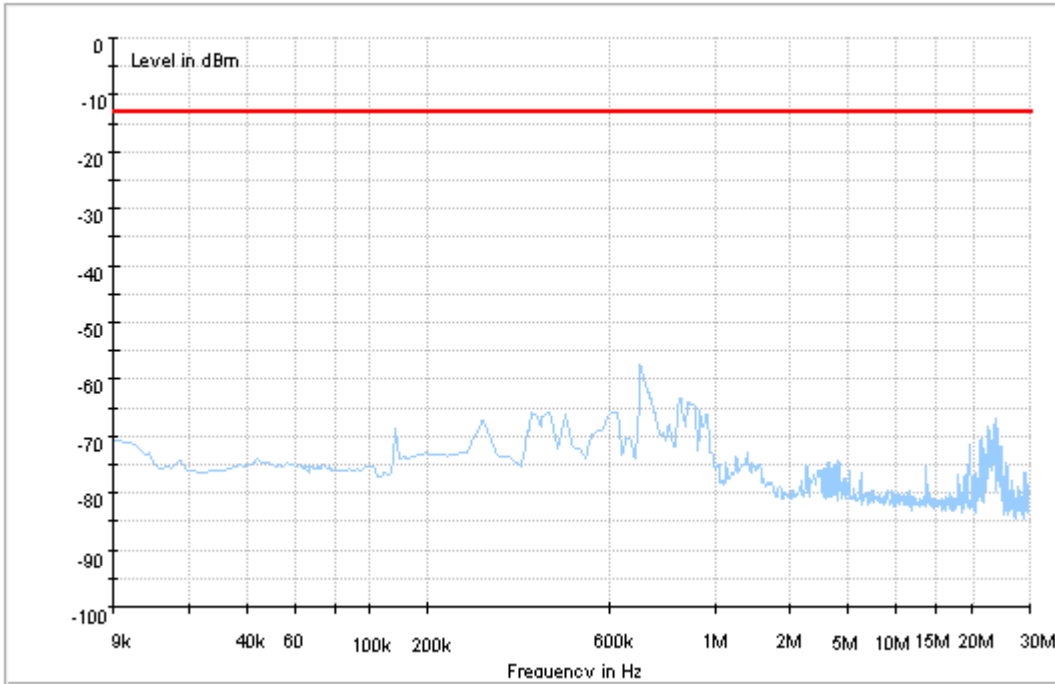
Copy of FCC PART24 GSM1900_H



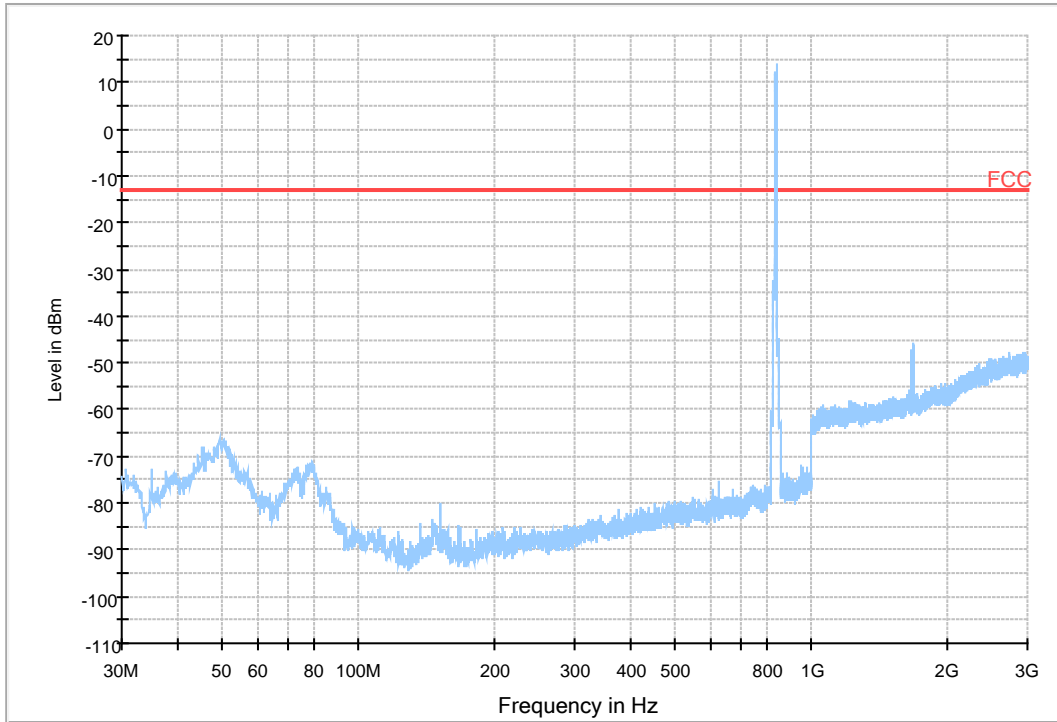
7.2 For UMTS

7.2.1 Test Band = WCDMA850

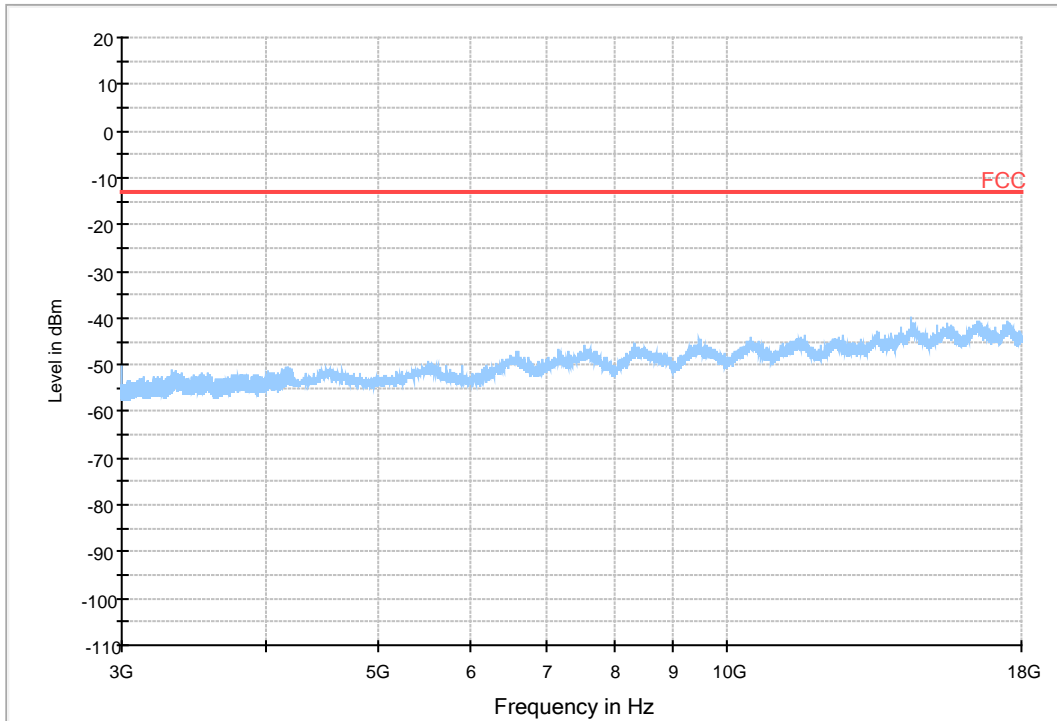
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850_L

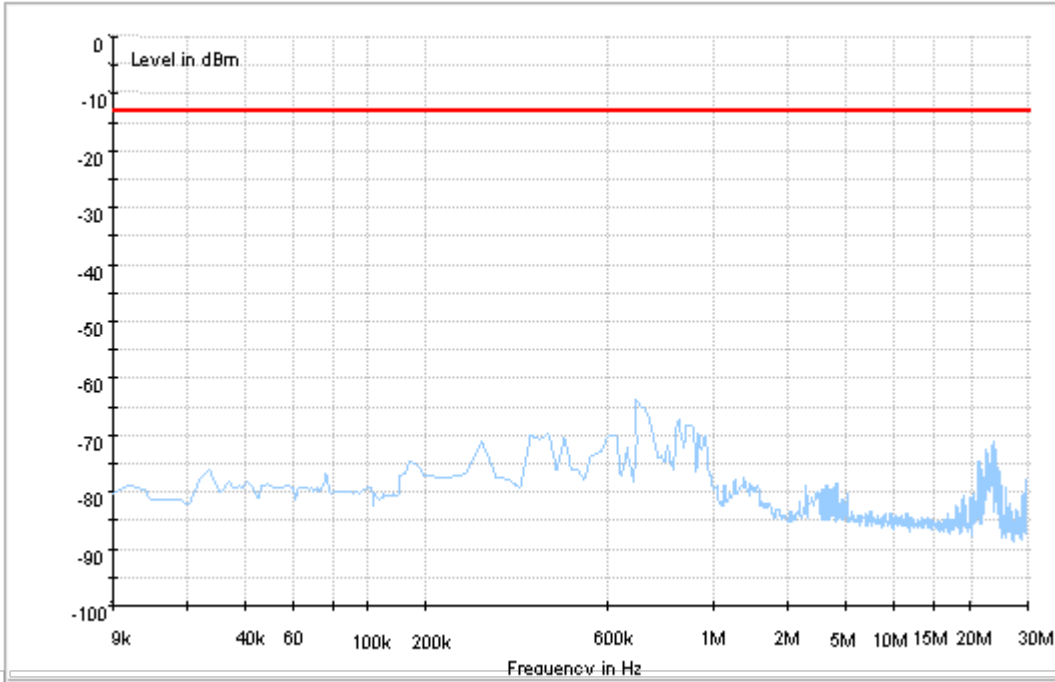


Copy of FCC PART22 WCDMA850_H

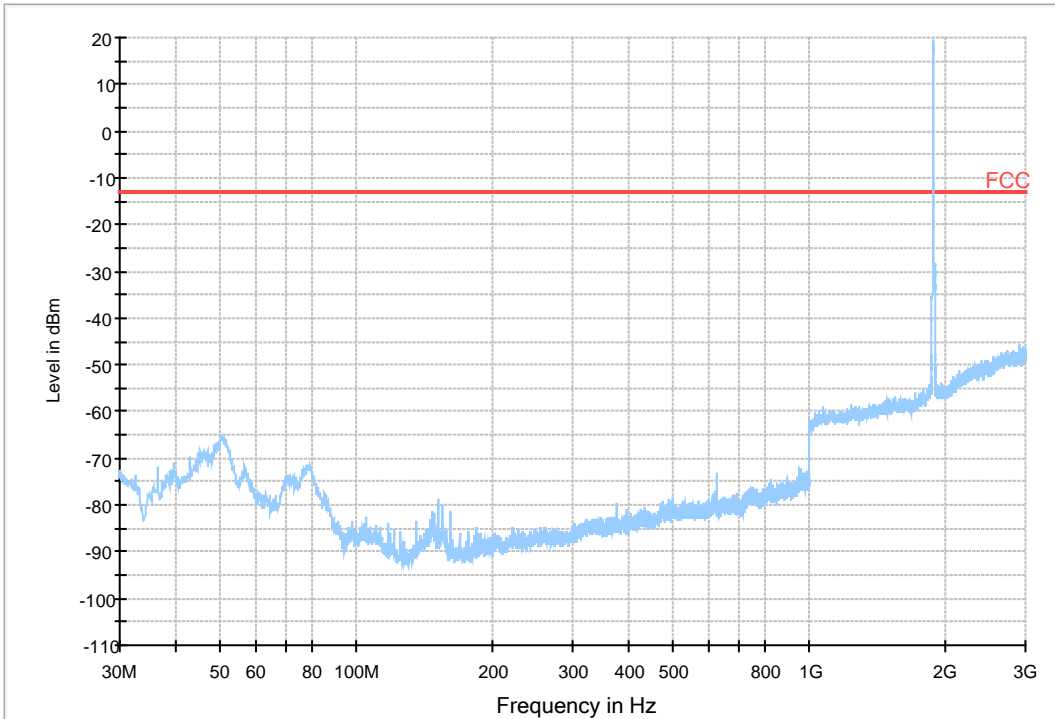


7.2.2 Test Band = WCDMA1900

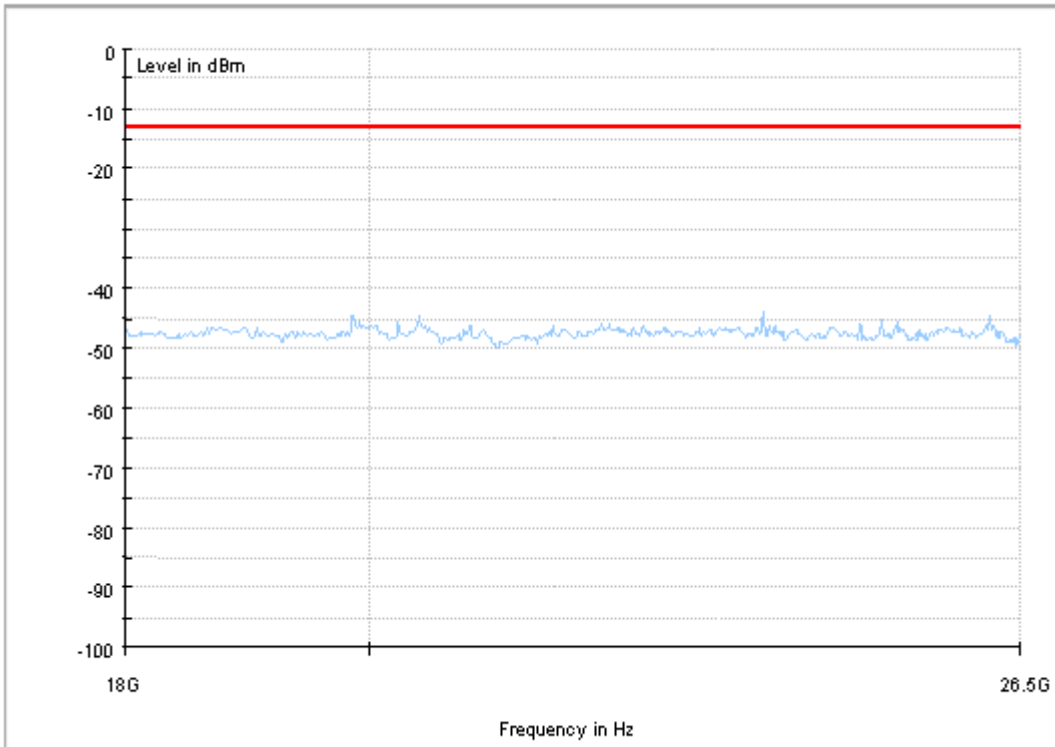
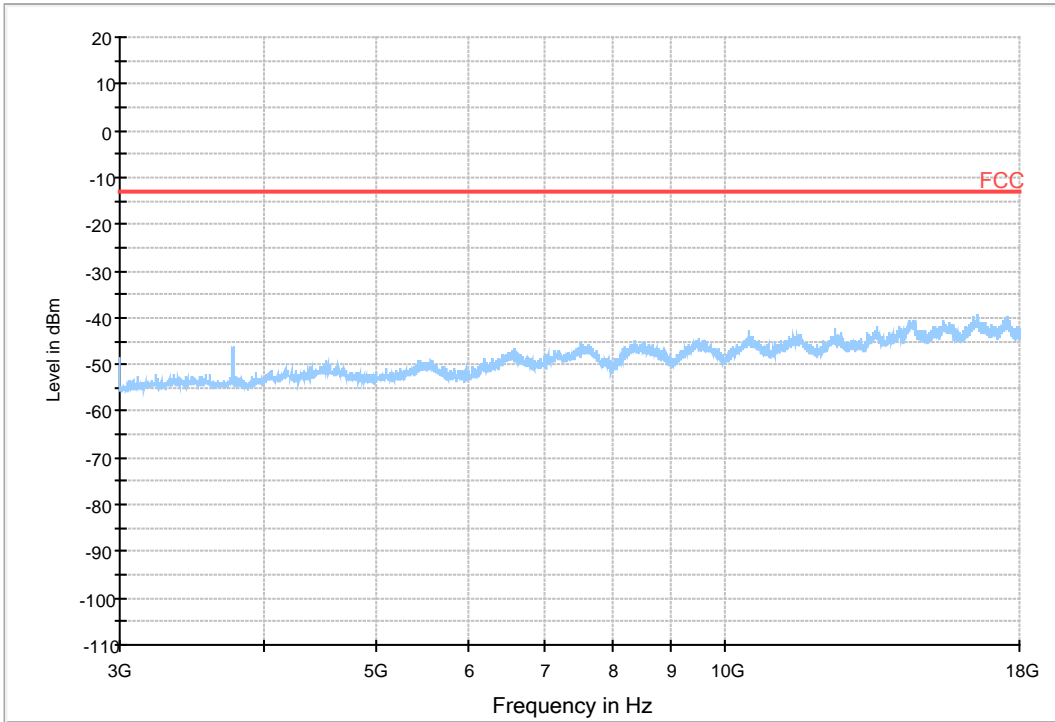
7.2.2.1 Test Mode = UMTS/TM1



Copy of FCC PART24 WCDMA1900_L



Copy of FCC PART24 WCDMA1900_H





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	-1.36	-0.00165	PASS
				VN	0.39	0.00047	PASS
				VH	-1.49	-0.00181	PASS
		MCH	TN	VL	-4.39	-0.00525	PASS
				VN	-0.58	-0.00069	PASS
				VH	-1.23	-0.00147	PASS
		HCH	TN	VL	-3.42	-0.00403	PASS
				VN	-1.61	-0.0019	PASS
				VH	-0.13	-0.00015	PASS
	GSM/TM2	LCH	TN	VL	16.4	0.0199	PASS
				VN	9.88	0.01199	PASS
				VH	20.73	0.02515	PASS
		MCH	TN	VL	16.34	0.01953	PASS
				VN	12.11	0.01448	PASS
				VH	16.11	0.01926	PASS
		HCH	TN	VL	14.75	0.01738	PASS
				VN	8.94	0.01053	PASS
				VH	12.01	0.01415	PASS
GSM1900	GSM/TM1	LCH	TN	VL	12.46	0.00673	PASS
				VN	14.14	0.00764	PASS
				VH	11.75	0.00635	PASS
		MCH	TN	VL	10.53	0.0056	PASS
				VN	13.56	0.00721	PASS
				VH	10.91	0.0058	PASS
		HCH	TN	VL	11.43	0.00598	PASS
				VN	20.92	0.01095	PASS
				VH	19.57	0.01025	PASS
	GSM/TM2	LCH	TN	VL	17.37	0.00939	PASS
				VN	13.17	0.00712	PASS
				VH	10.82	0.00585	PASS
		MCH	TN	VL	15.05	0.00801	PASS
				VN	18.34	0.00976	PASS
				VH	12.4	0.0066	PASS
		HCH	TN	VL	18.34	0.0096	PASS
				VN	19.08	0.00999	PASS
				VH	28.22	0.01478	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	-4.71	-0.00571	PASS
				-20	-1.23	-0.00149	PASS
				-10	0.39	0.00047	PASS
				0	1.03	0.00125	PASS
				10	0.84	0.00102	PASS
				20	-3.03	-0.00368	PASS
				30	-3.75	-0.00455	PASS
				40	-2.26	-0.00274	PASS
		50	-2.45	-0.00297	PASS		
		MCH	VN	-30	-3.16	-0.00378	PASS
				-20	-3.03	-0.00362	PASS
				-10	-2.52	-0.00301	PASS
				0	-4.58	-0.00547	PASS
				10	-5.81	-0.00694	PASS
				20	-2.91	-0.00348	PASS
				30	-5.17	-0.00618	PASS
				40	-2.78	-0.00332	PASS
		50	-2.84	-0.00339	PASS		
		HCH	VN	-30	-2.65	-0.00312	PASS
				-20	-4.65	-0.00548	PASS
				-10	-3.81	-0.00449	PASS
				0	-2.91	-0.00343	PASS
				10	-2.45	-0.00289	PASS
				20	0.19	0.00022	PASS
	30			-0.52	-0.00061	PASS	
	40			-3.42	-0.00403	PASS	
	50	0.13	0.00015	PASS			
	GSM/TM2	LCH	VN	-30	-2.26	-0.00274	PASS
				-20	0.29	0.00035	PASS
				-10	5.75	0.00698	PASS
				0	-0.52	-0.00063	PASS
				10	-0.65	-0.00079	PASS
				20	3.16	0.00383	PASS
				30	-6.91	-0.00838	PASS
				40	-1.71	-0.00207	PASS
		50	-3.23	-0.00392	PASS		
MCH		VN	-30	-4.91	-0.00587	PASS	
			-20	-3	-0.00359	PASS	

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
				-10	-2.97	-0.00355	PASS						
				0	-4.33	-0.00518	PASS						
				10	1.55	0.00185	PASS						
				20	-2.71	-0.00324	PASS						
				30	-5.07	-0.00606	PASS						
				40	-4.75	-0.00568	PASS						
		HCH	VN			50	-5.26	-0.00629	PASS				
						-30	-3.87	-0.00456	PASS				
						-20	-1.81	-0.00213	PASS				
						-10	-1.84	-0.00217	PASS				
						0	-0.26	-0.00031	PASS				
						10	-0.55	-0.00065	PASS				
						20	2.65	0.00312	PASS				
						30	0.29	0.00034	PASS				
						40	-4.62	-0.00544	PASS				
						50	-0.13	-0.00015	PASS				
						GSM1900	GSM/TM1	LCH	VN	-30	14.79	0.00799	PASS
										-20	10.2	0.00551	PASS
-10	13.04	0.00705	PASS										
0	15.17	0.0082	PASS										
10	8.52	0.0046	PASS										
20	8.91	0.00482	PASS										
30	8.72	0.00471	PASS										
40	14.46	0.00782	PASS										
50	6.2	0.00335	PASS										
MCH	VN			-30	18.6			0.00989	PASS				
				-20	9.56			0.00509	PASS				
				-10	11.3			0.00601	PASS				
				0	11.43			0.00608	PASS				
				10	13.88			0.00738	PASS				
				20	12.07			0.00642	PASS				
				30	12.01			0.00639	PASS				
				40	17.69			0.00941	PASS				
				50	11.88			0.00632	PASS				
HCH	VN			-30	17.5			0.00916	PASS				
				-20	22.08			0.01156	PASS				
				-10	12.66			0.00663	PASS				
				0	12.72			0.00666	PASS				
				10	19.24			0.01007	PASS				
				20	13.56			0.0071	PASS				



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	GSM/TM2	LCH	VN	30	15.88	0.00832	PASS
				40	20.21	0.01058	PASS
				50	17.82	0.00933	PASS
				-30	12.2	0.00659	PASS
				-20	7.49	0.00405	PASS
				-10	6.04	0.00326	PASS
				0	7.17	0.00388	PASS
				10	13.75	0.00743	PASS
				20	6.42	0.00347	PASS
		30	10.2	0.00551	PASS		
		40	12.01	0.00649	PASS		
		50	7.65	0.00413	PASS		
		MCH	VN	-30	11.07	0.00589	PASS
				-20	15.21	0.00809	PASS
				-10	3.78	0.00201	PASS
				0	15.08	0.00802	PASS
				10	15.14	0.00805	PASS
				20	17.56	0.00934	PASS
				30	20.24	0.01077	PASS
				40	19.66	0.01046	PASS
				50	14.27	0.00759	PASS
		HCH	VN	-30	13.92	0.00729	PASS
				-20	15.08	0.0079	PASS
				-10	16.4	0.00859	PASS
				0	24.89	0.01303	PASS
				10	18.47	0.00967	PASS
				20	18.21	0.00954	PASS
				30	22.89	0.01199	PASS
				40	15.76	0.00825	PASS
				50	24.57	0.01287	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	-5.84	-0.00707	PASS
				VN	-3.6	-0.00436	PASS
				VH	5.98	0.00724	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	-8.54	-0.01021	PASS
				VN	0.49	0.00059	PASS
				VH	-2.23	-0.00267	PASS
		HCH	TN	VL	-11.23	-0.01326	PASS
				VN	7.03	0.0083	PASS
				VH	4.1	0.00484	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-7.31	-0.00395	PASS
				VN	-5.25	-0.00283	PASS
				VH	4.71	0.00254	PASS
		MCH	TN	VL	0.96	0.00051	PASS
				VN	-4.23	-0.00225	PASS
				VH	-11.31	-0.00602	PASS
		HCH	TN	VL	-12.37	-0.00648	PASS
				VN	2.21	0.00116	PASS
				VH	-2.38	-0.00125	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	-6.77	-0.00819	PASS
				-20	-3.31	-0.00401	PASS
				-10	2.2	0.00266	PASS
				0	3.39	0.0041	PASS
				10	2.18	0.00264	PASS
				20	1.04	0.00126	PASS
				30	1.72	0.00208	PASS
				40	1.24	0.0015	PASS
				50	4.2	0.00508	PASS
		MCH	VN	-30	-11.54	-0.0138	PASS
				-20	6.84	0.00818	PASS
				-10	2.67	0.00319	PASS
				0	6.42	0.00768	PASS
				10	3.6	0.0043	PASS
				20	2.18	0.00261	PASS
				30	5.68	0.00679	PASS
				40	1.08	0.00129	PASS
				50	1.77	0.00212	PASS
		HCH	VN	-30	-5.31	-0.00627	PASS
				-20	-6.07	-0.00323	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-10	7.31	0.00863	PASS
				0	-2.08	-0.00246	PASS
				10	4.36	0.00515	PASS
				20	7.19	0.00849	PASS
				30	0.06	0.00007	PASS
				40	2.94	0.00347	PASS
				50	5.04	0.00595	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	-12.59	-0.0068	PASS
				-20	0.66	0.00036	PASS
				-10	-1.92	-0.00104	PASS
				0	6.18	0.00334	PASS
				10	2.35	0.00127	PASS
				20	-0.95	-0.00051	PASS
				30	-6.12	-0.0033	PASS
				40	-6.76	-0.00365	PASS
		50	7.92	0.00428	PASS		
		MCH	VN	-30	-6.07	-0.00323	PASS
				-20	7.86	0.00418	PASS
				-10	2.64	0.0014	PASS
				0	4.18	0.00222	PASS
				10	9.61	0.00511	PASS
				20	-1.89	-0.00101	PASS
				30	-10.28	-0.00547	PASS
				40	-0.69	-0.00037	PASS
		50	-2.55	-0.00136	PASS		
		HCH	VN	-30	-6.3	-0.0033	PASS
				-20	-0.98	-0.00051	PASS
				-10	-7.1	-0.00372	PASS
				0	1.56	0.00082	PASS
				10	-0.05	-0.00003	PASS
				20	-4.93	-0.00258	PASS
				30	-0.93	-0.00049	PASS
				40	-3.75	-0.00197	PASS
		50	-6.21	-0.00326	PASS		

END