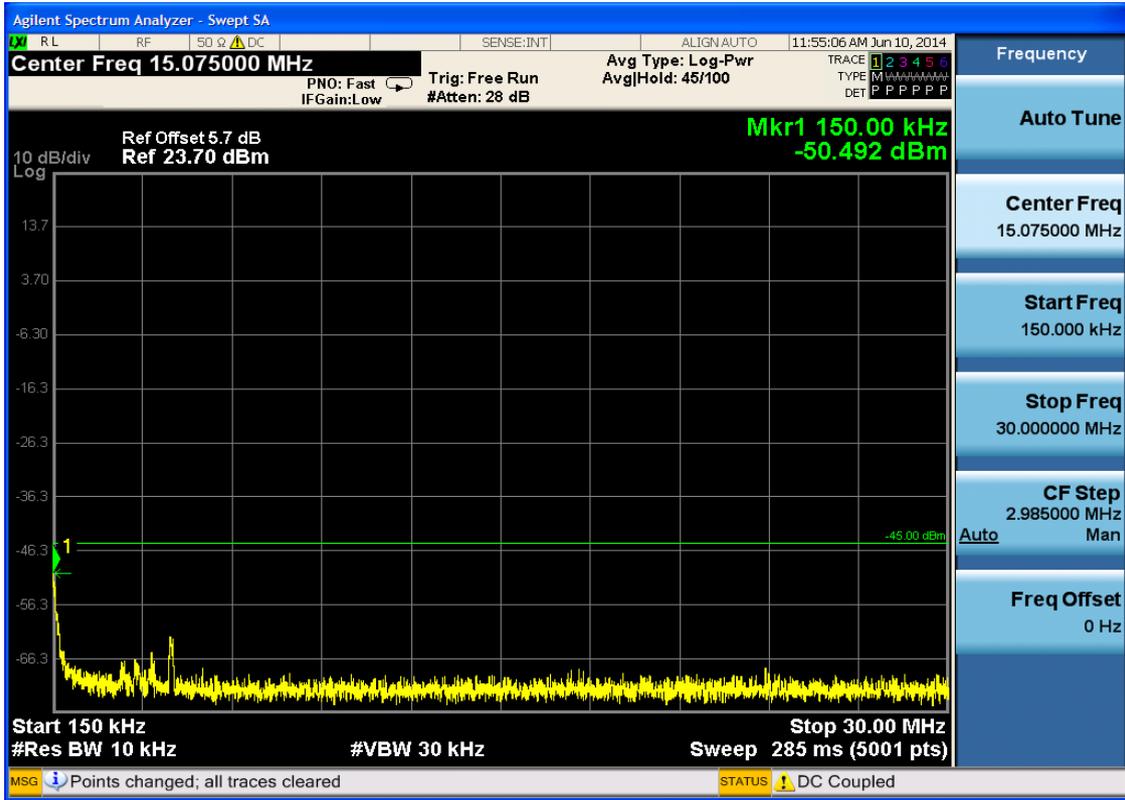
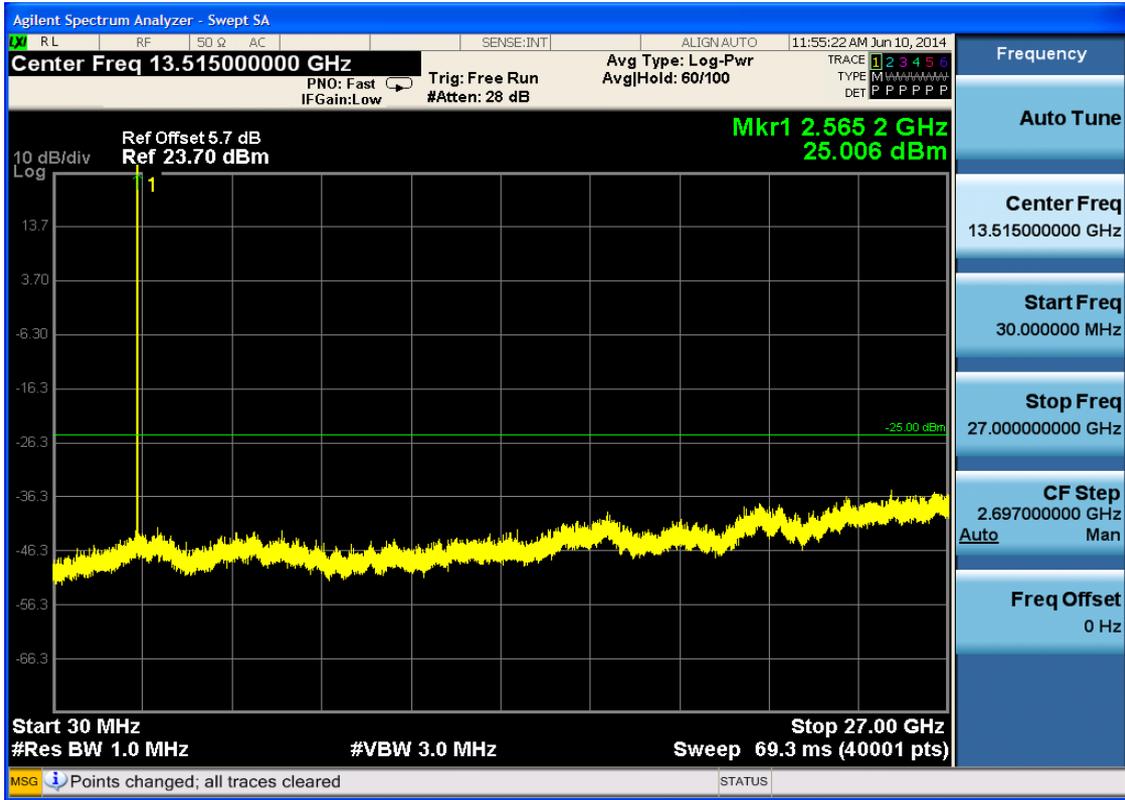


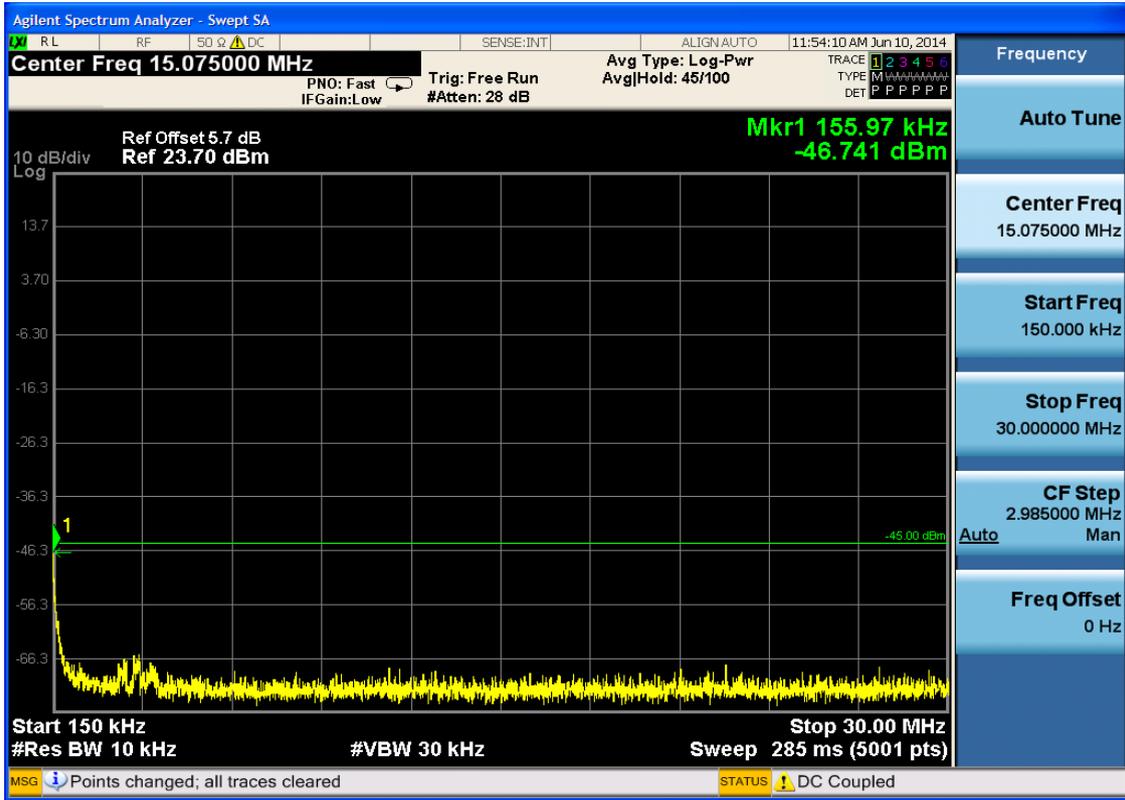
6.3.2.2.1.3 Test Channel = HCH

6.3.2.2.1.3.1 Test RB = RB1#0





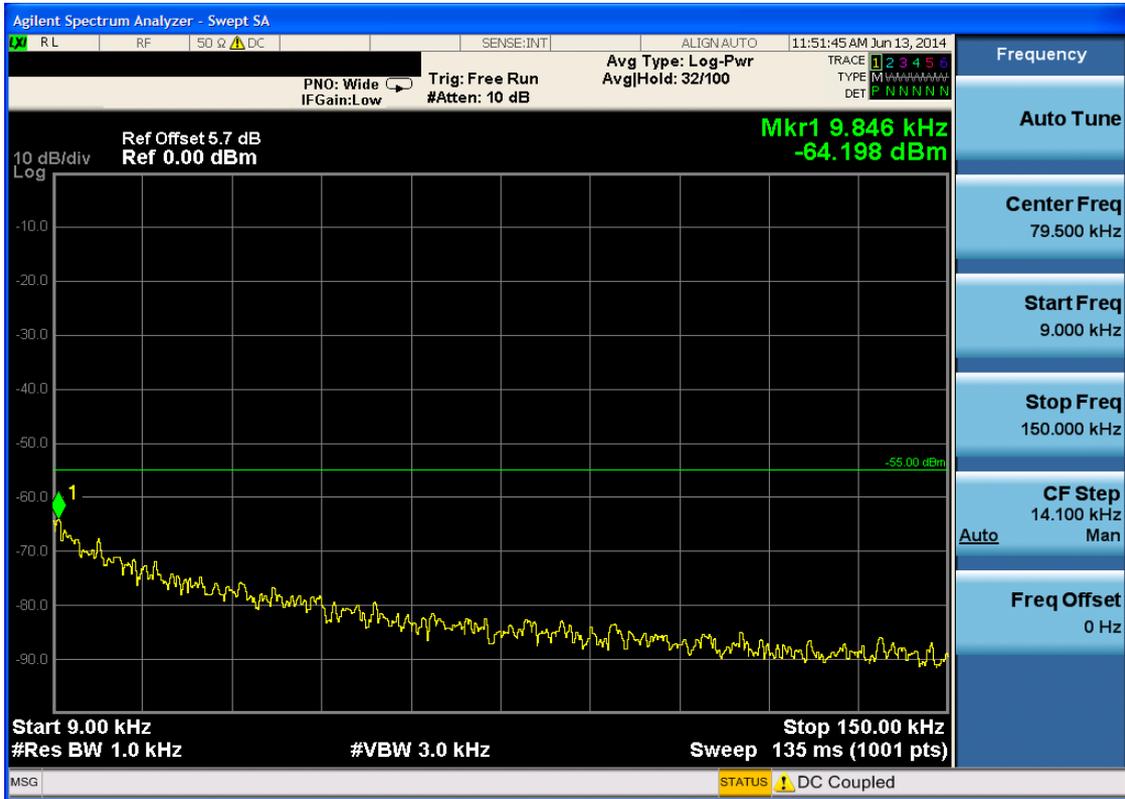


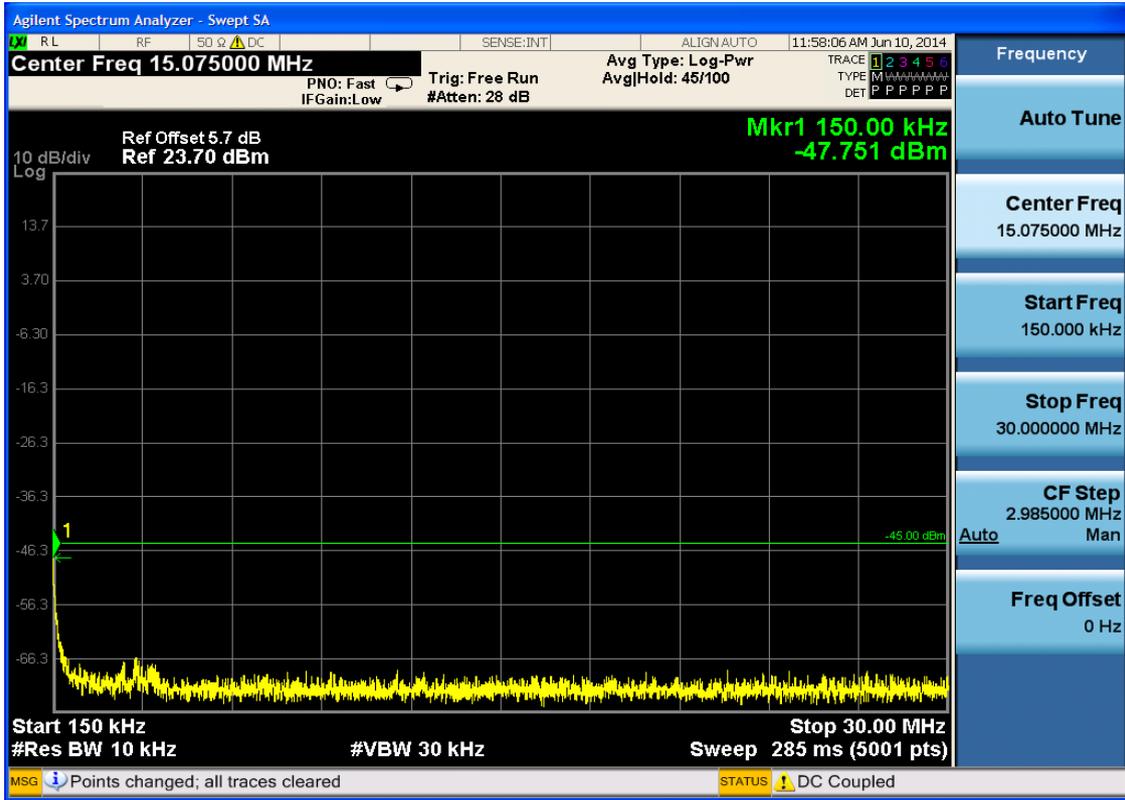


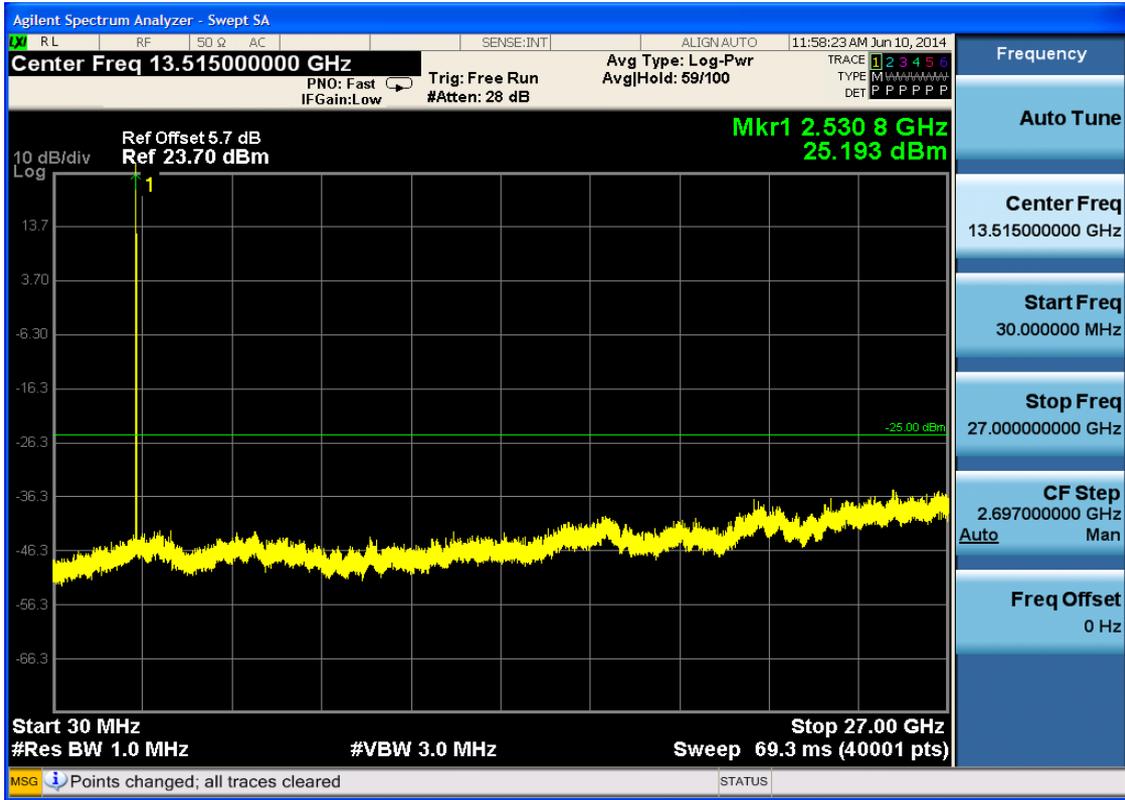


6.3.2.2.2 Test Channel = MCH

6.3.2.2.2.1 Test RB = RB1#0

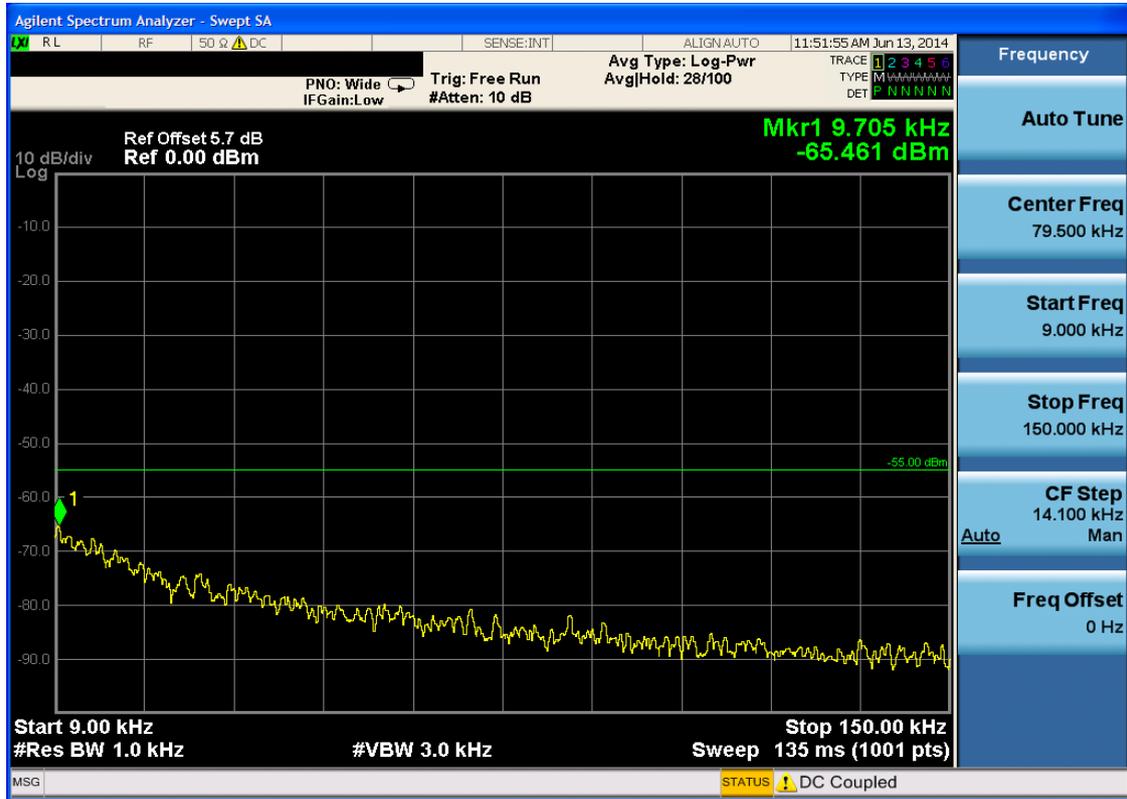


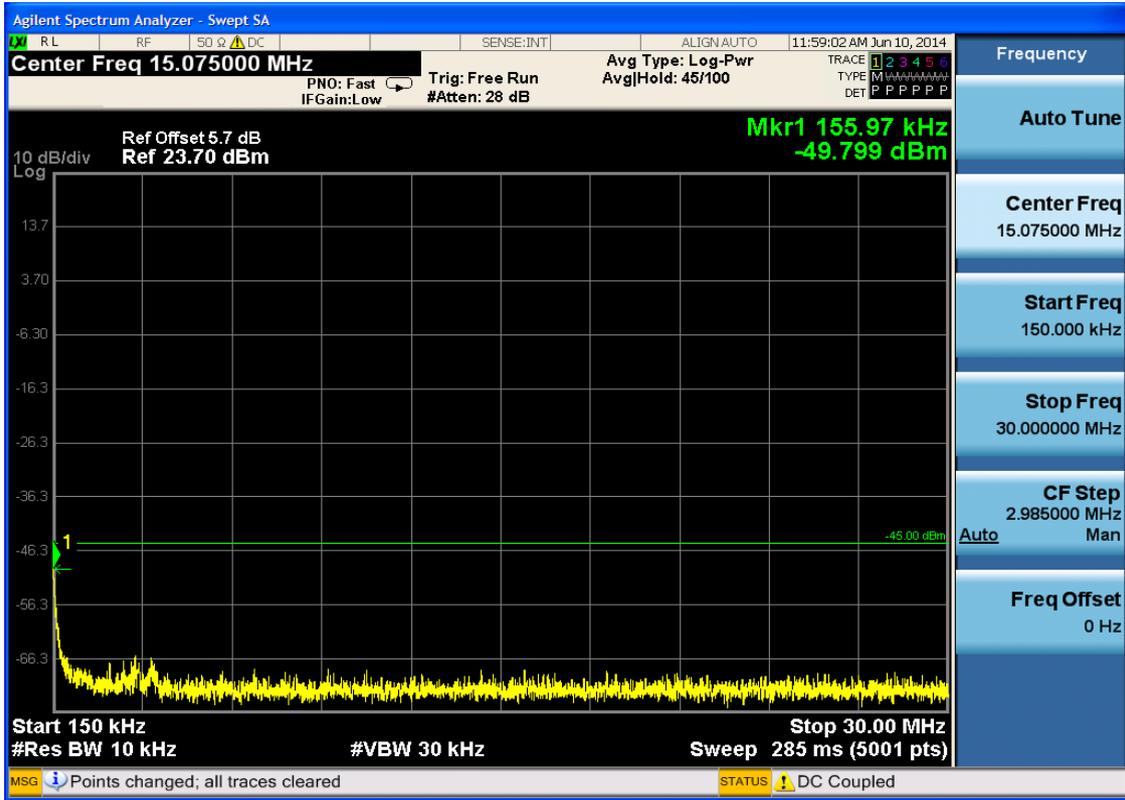


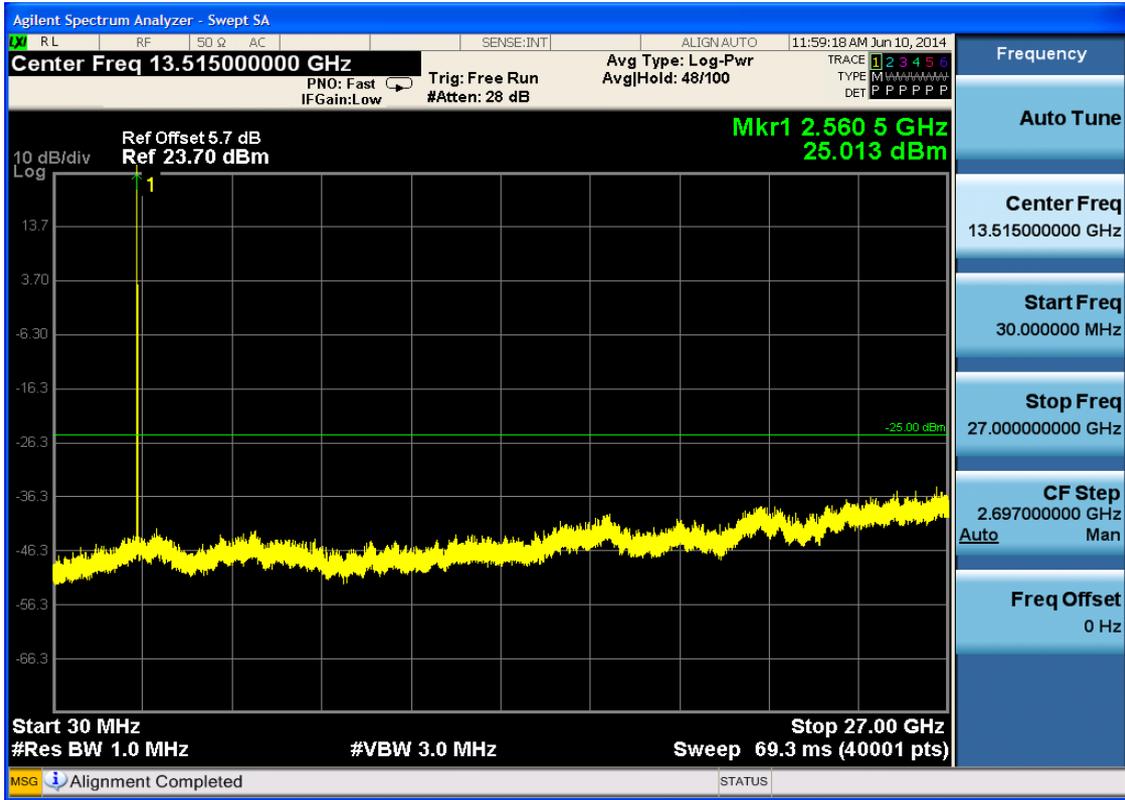


6.3.2.2.2.3 Test Channel = HCH

6.3.2.2.2.3.1 Test RB = RB1#0





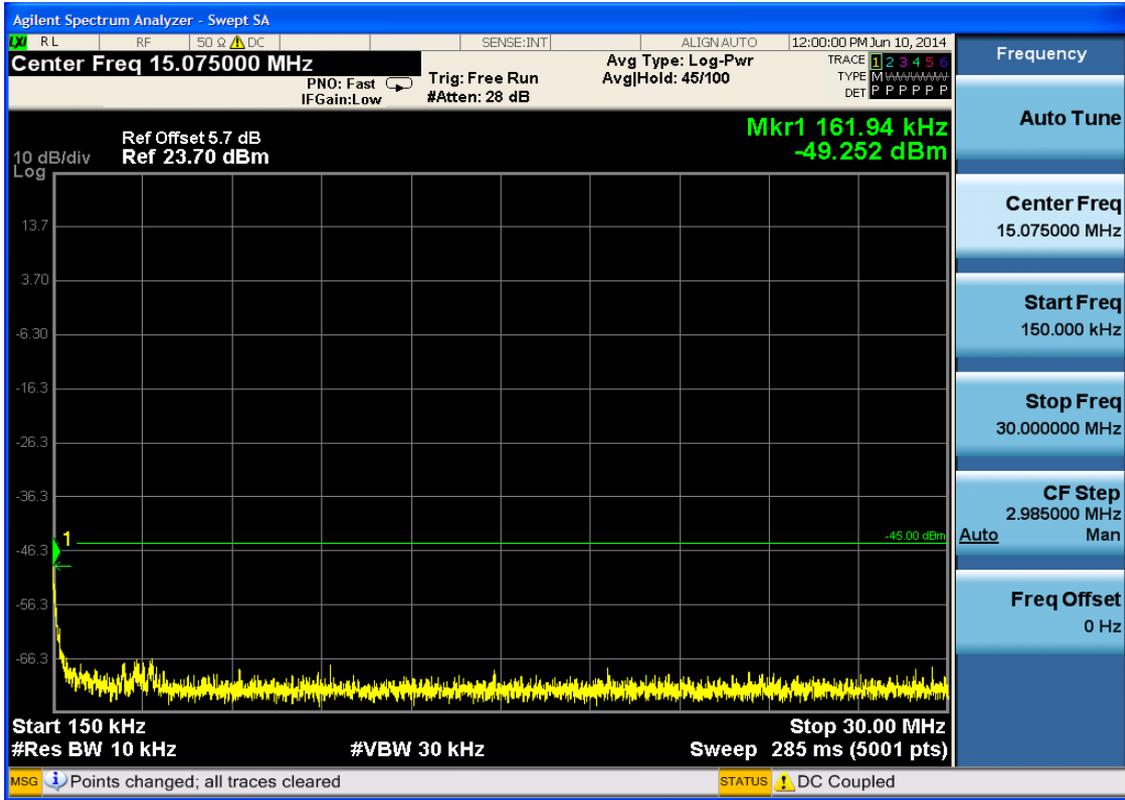


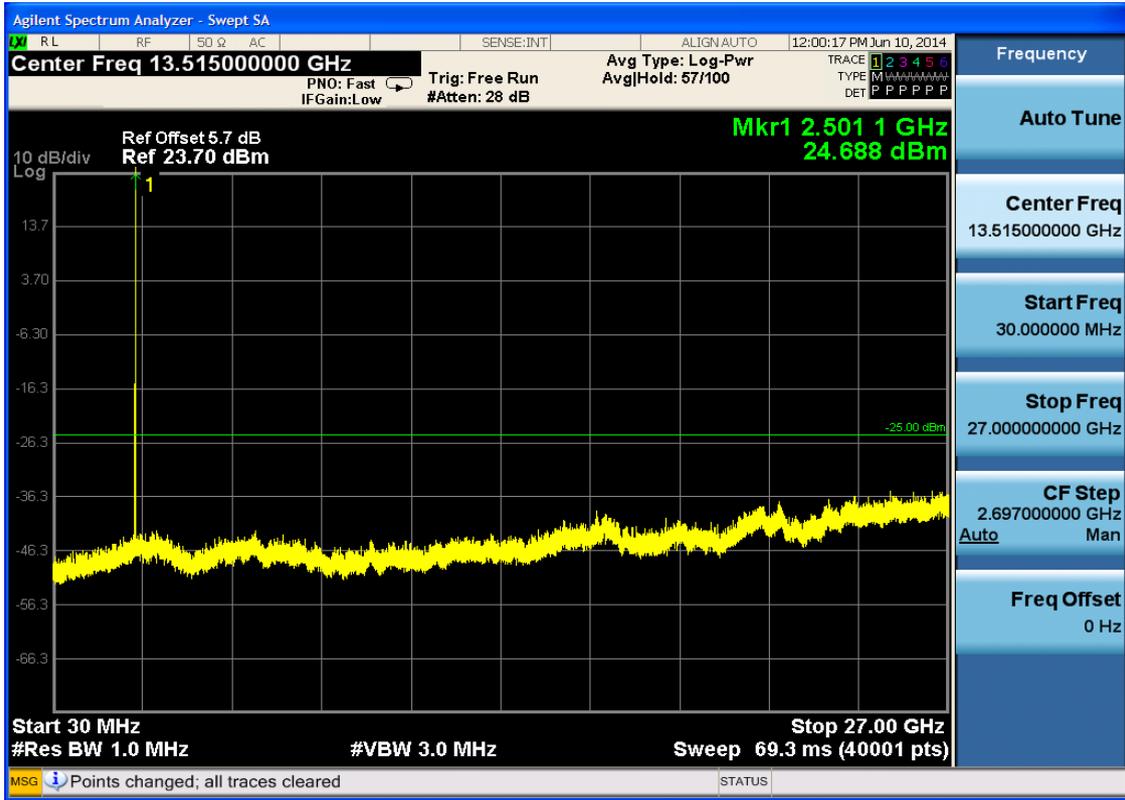
6.3.2.2.3 Test Bandwidth = 15

6.3.2.2.3.1 Test Channel = LCH

6.3.2.2.3.1.1 Test RB = RB1#0



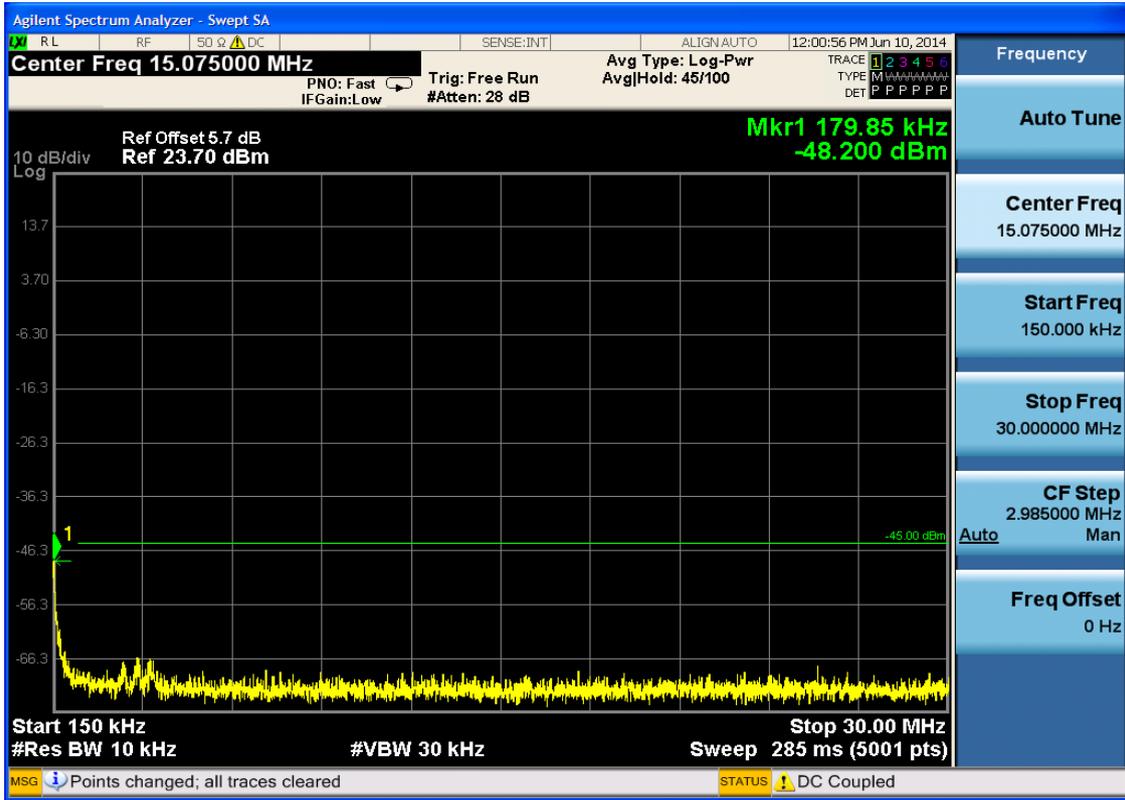




6.3.2.2.3.2 Test Channel = MCH

6.3.2.2.3.2.1 Test RB = RB1#0



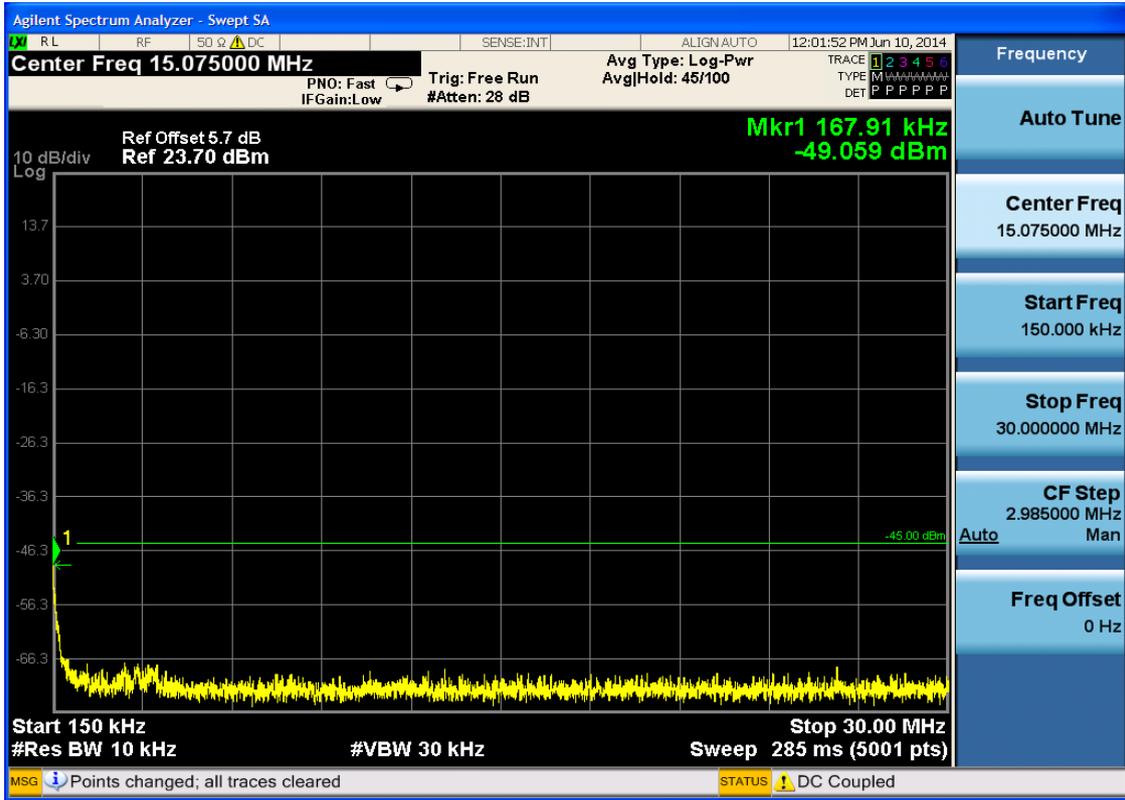


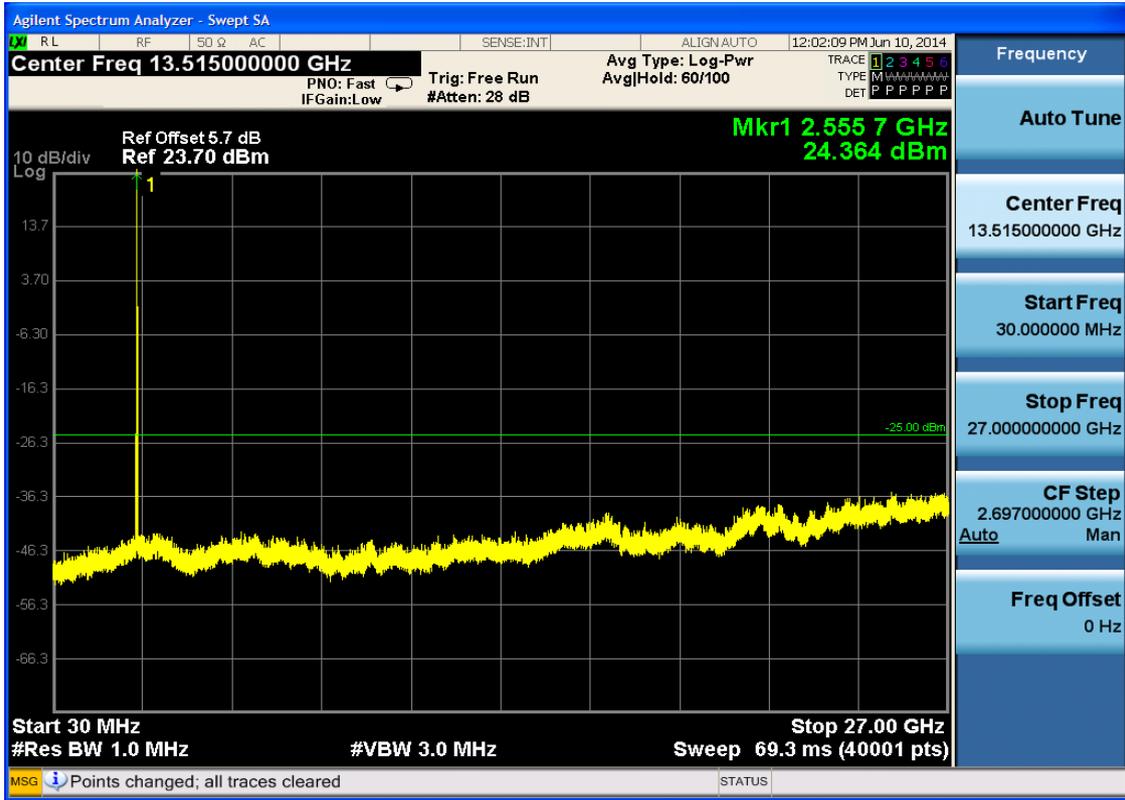


6.3.2.2.3.3 Test Channel = HCH

6.3.2.2.3.3.1 Test RB = RB1#0







6.3.2.2.4 Test Bandwidth = 20

6.3.2.2.4.1 Test Channel = LCH

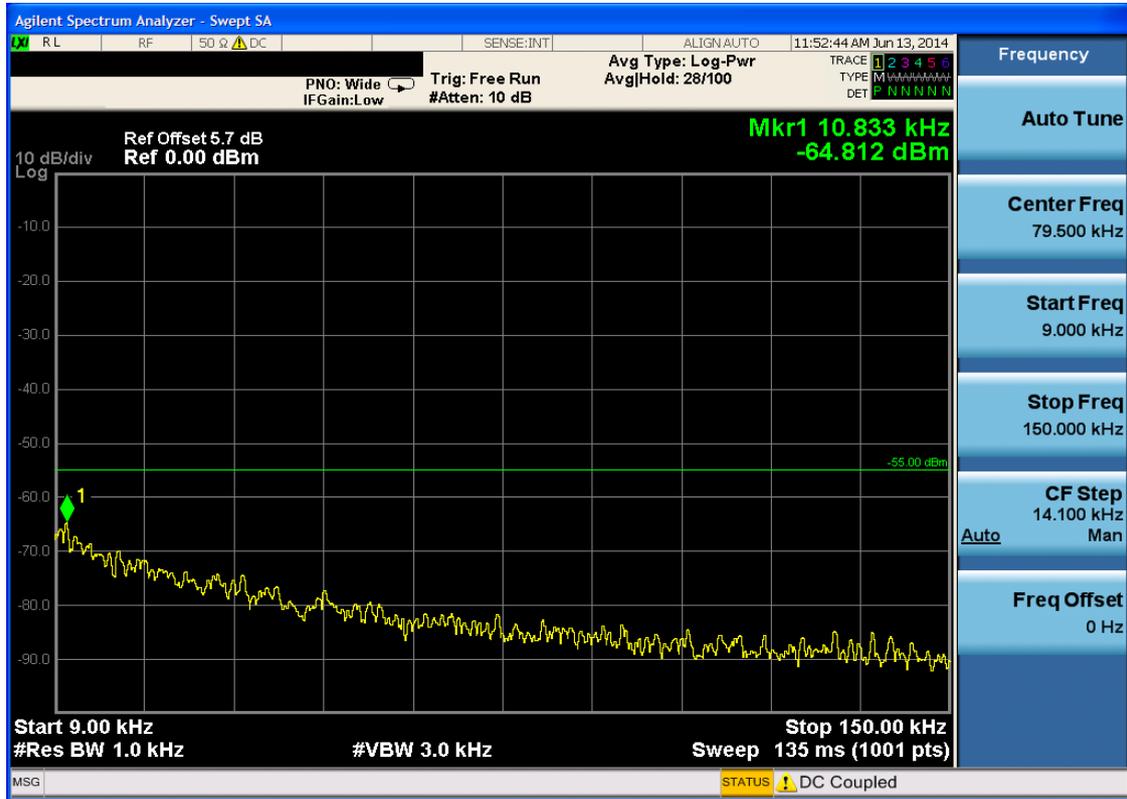
6.3.2.2.4.1.1 Test RB = RB1#0

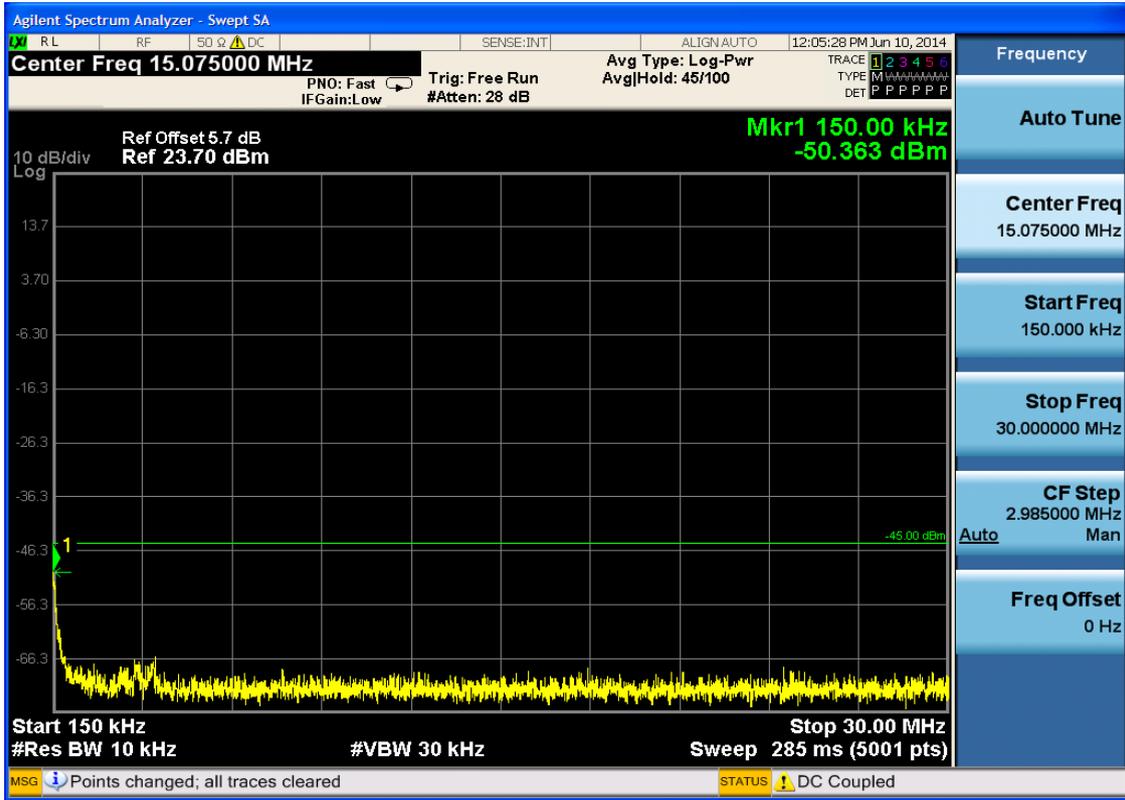


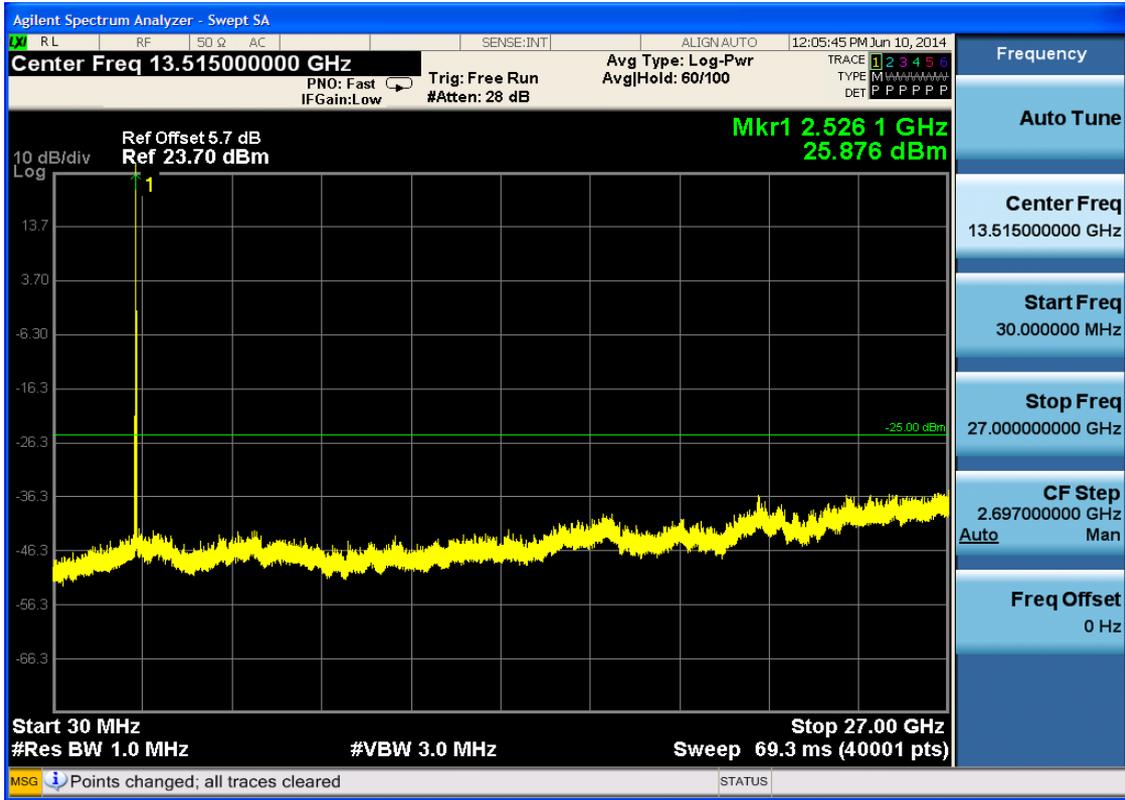


6.3.2.2.4.2 Test Channel = MCH

6.3.2.2.4.2.1 Test RB = RB1#0

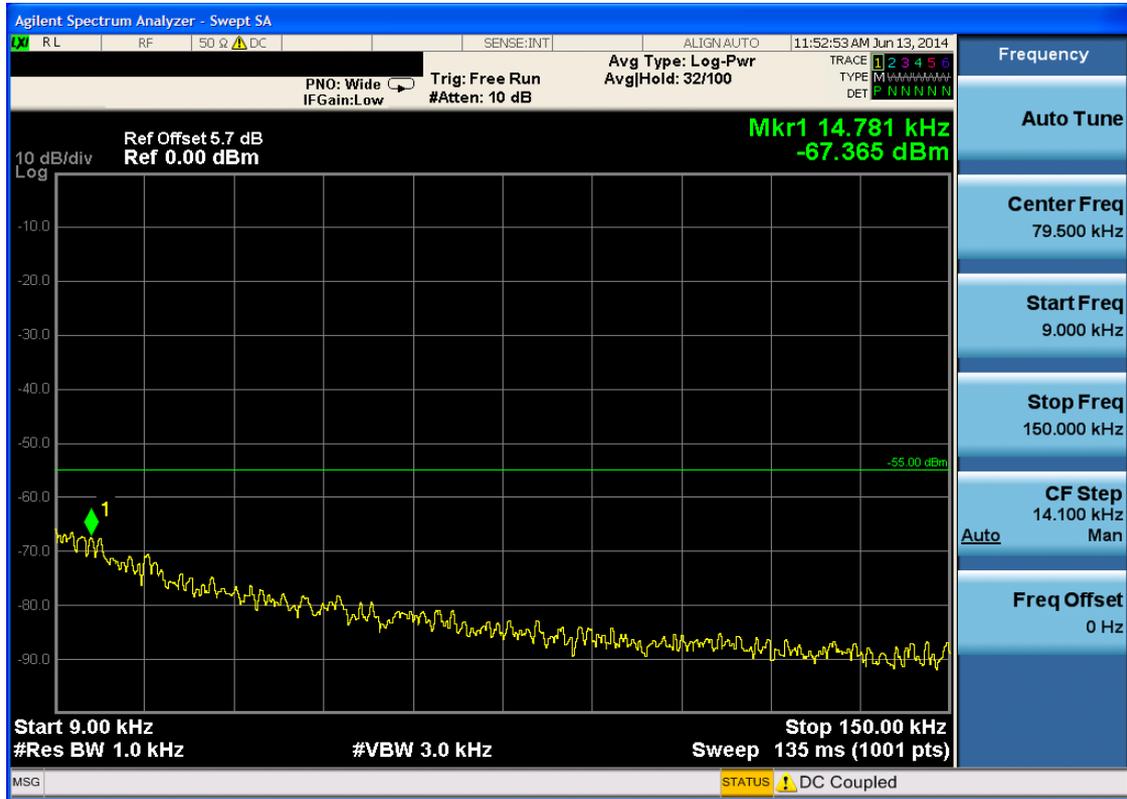


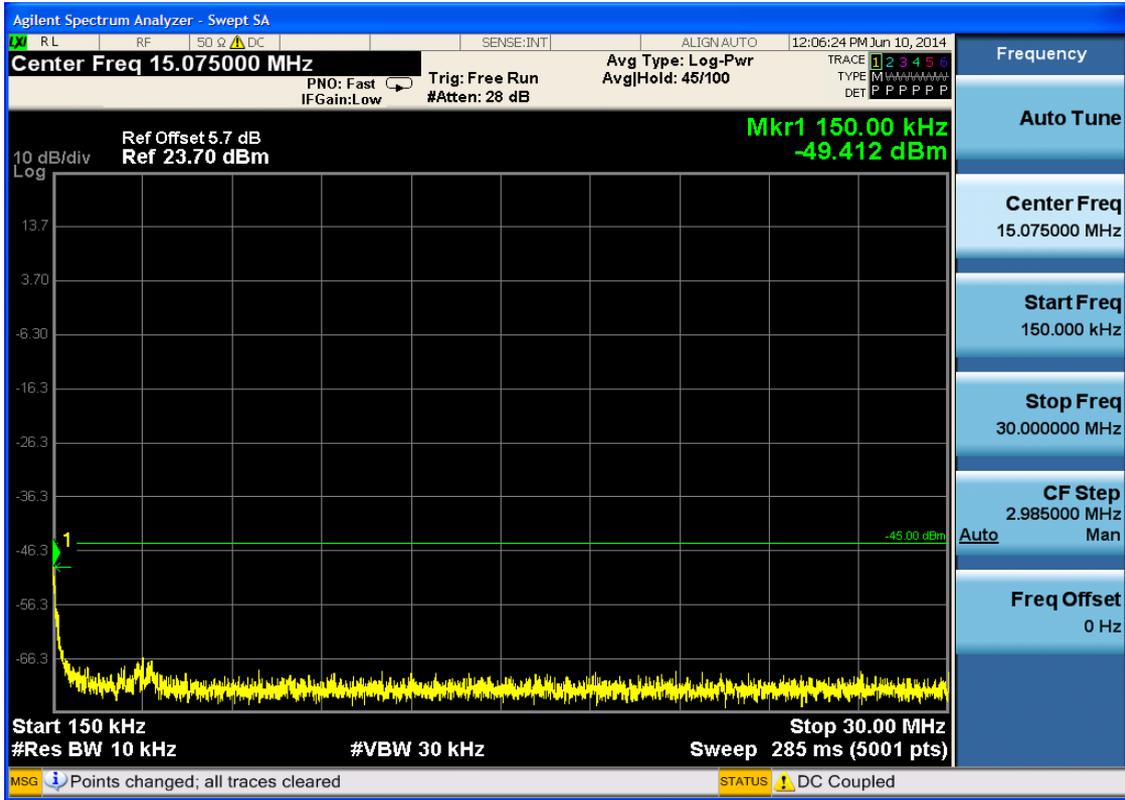


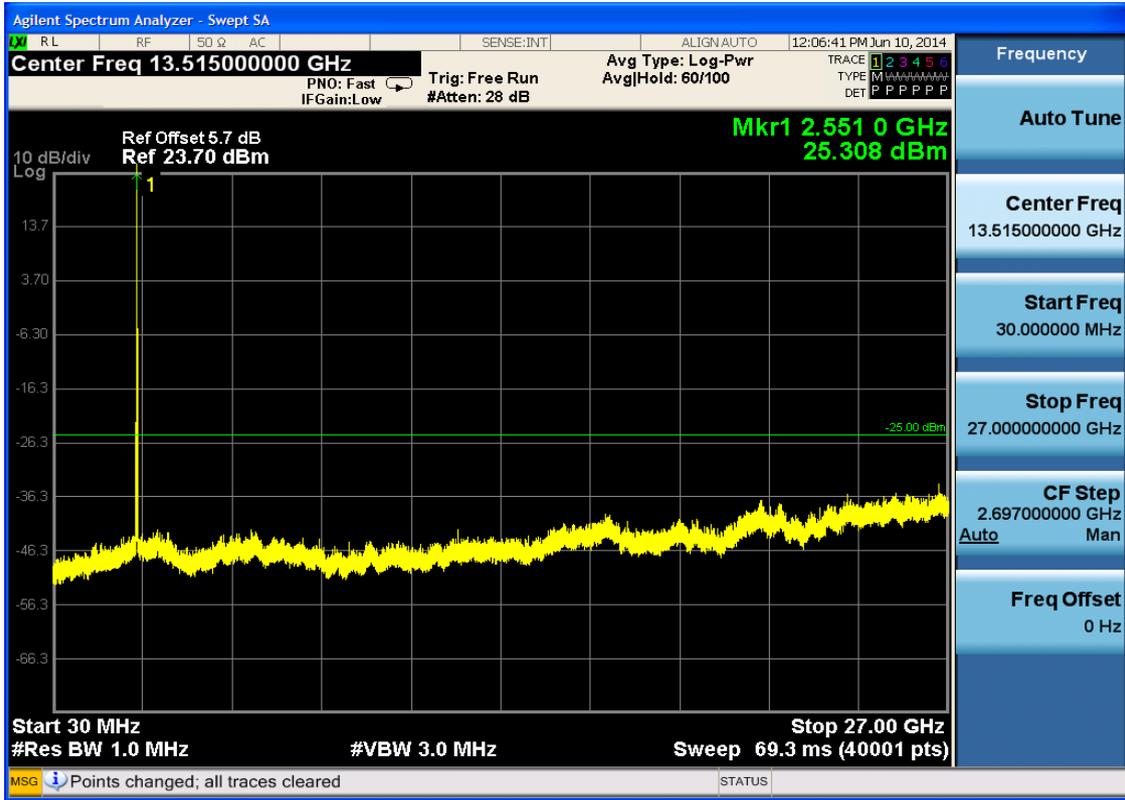


6.3.2.2.4.3 Test Channel = HCH

6.3.2.2.4.3.1 Test RB = RB1#0







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

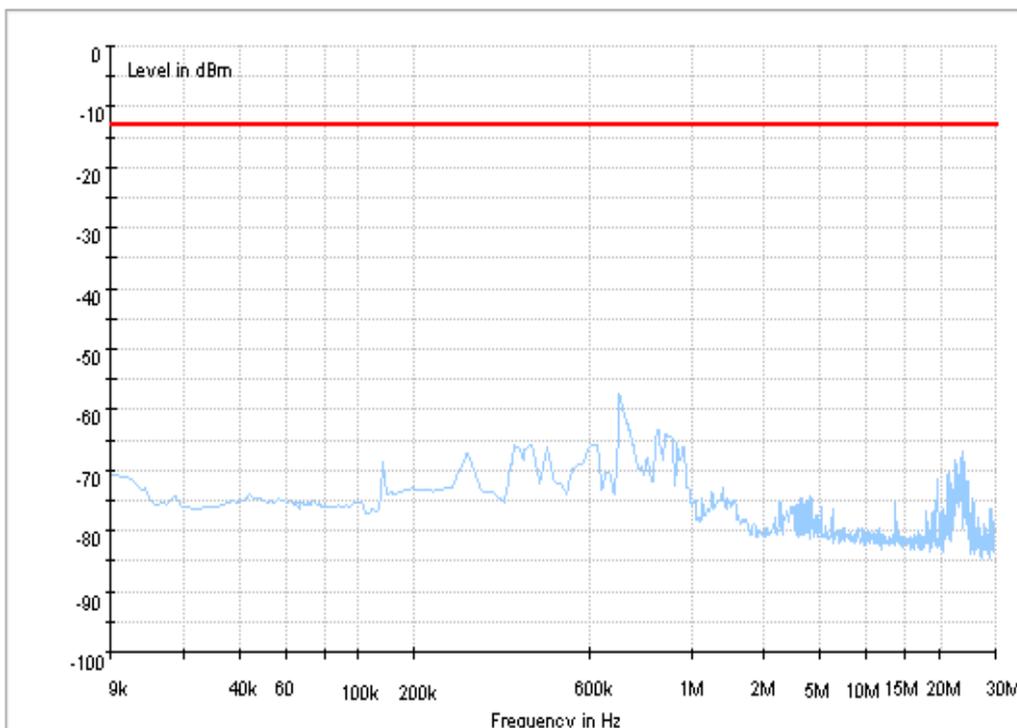
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

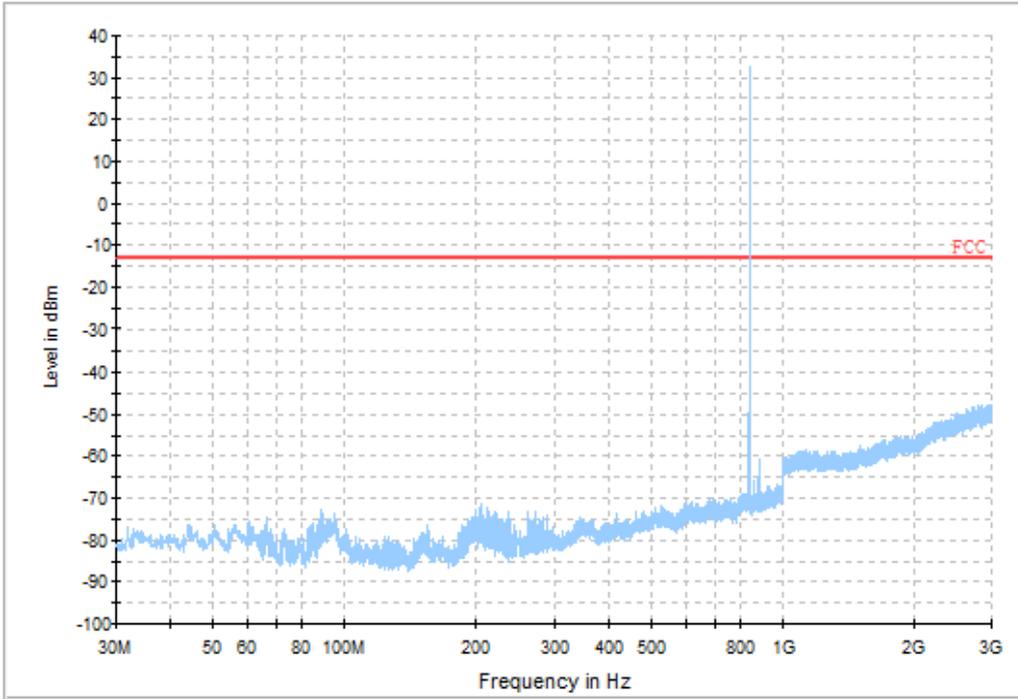
7.1 For GSM

7.1.1 Test Band = GSM850

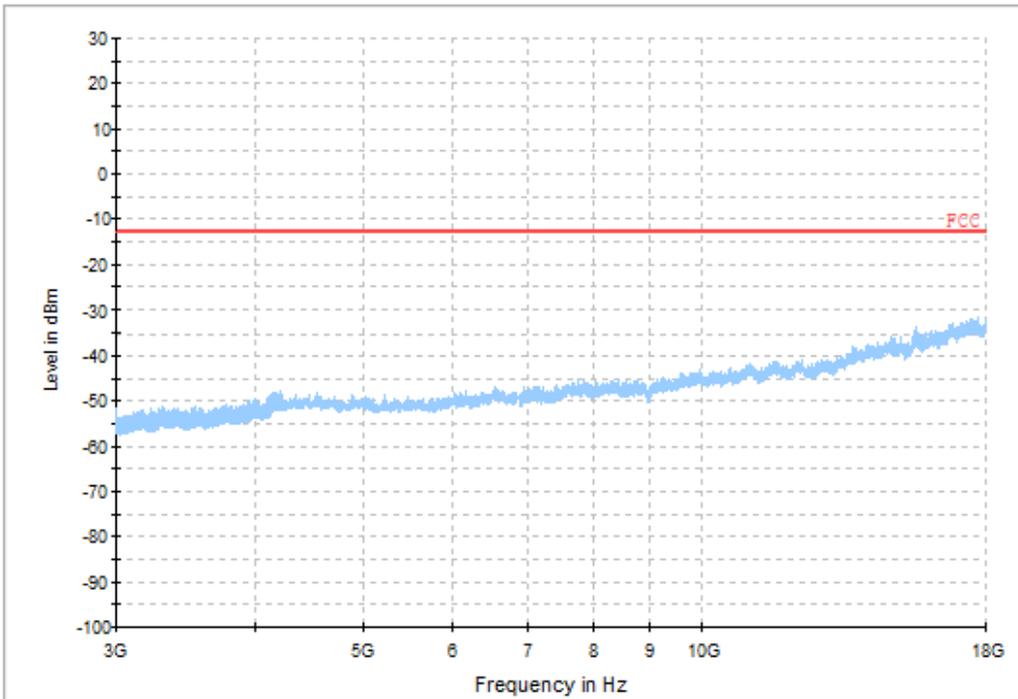
7.1.1.1 Test Mode = GSM/TM1



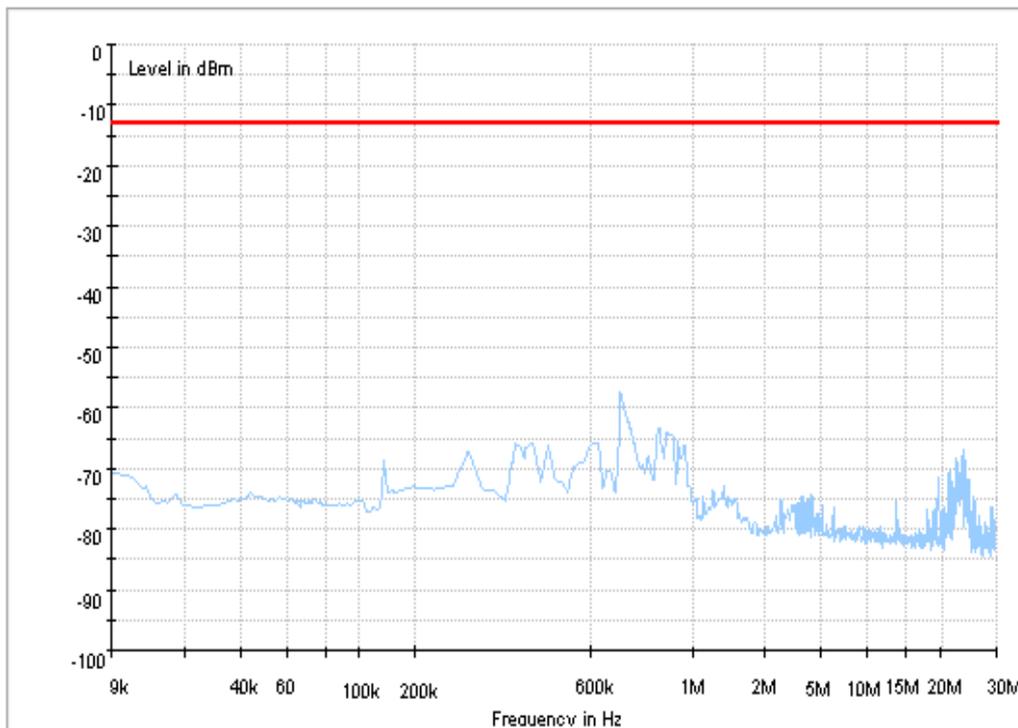
Copy of FCC PART22 GSM850_L



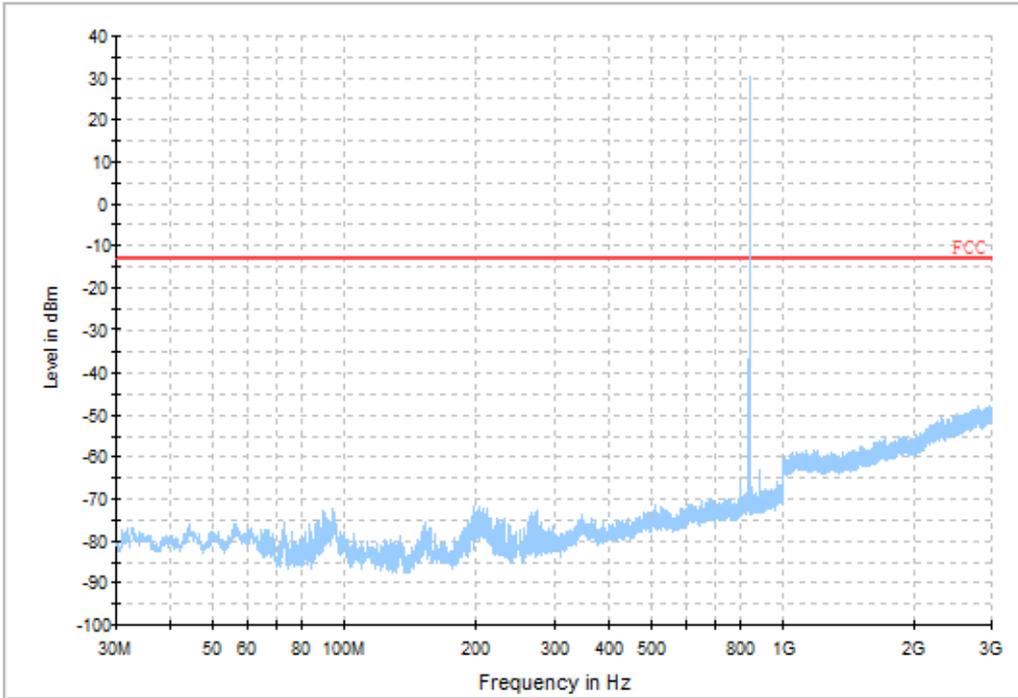
Copy of FCC PART22 GSM850_H



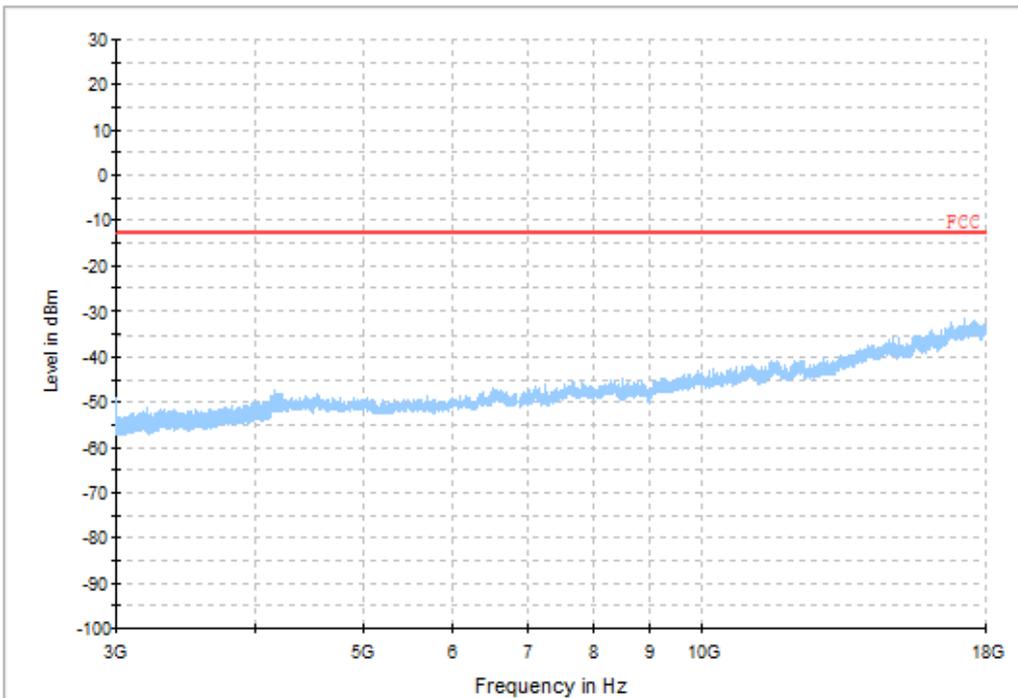
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850_L

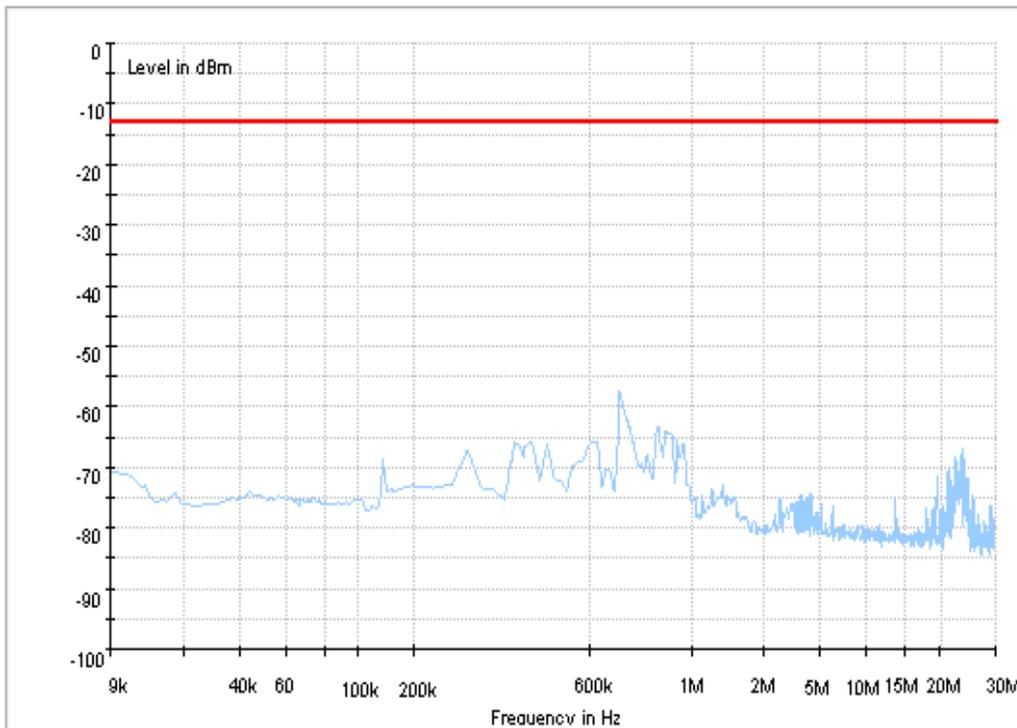


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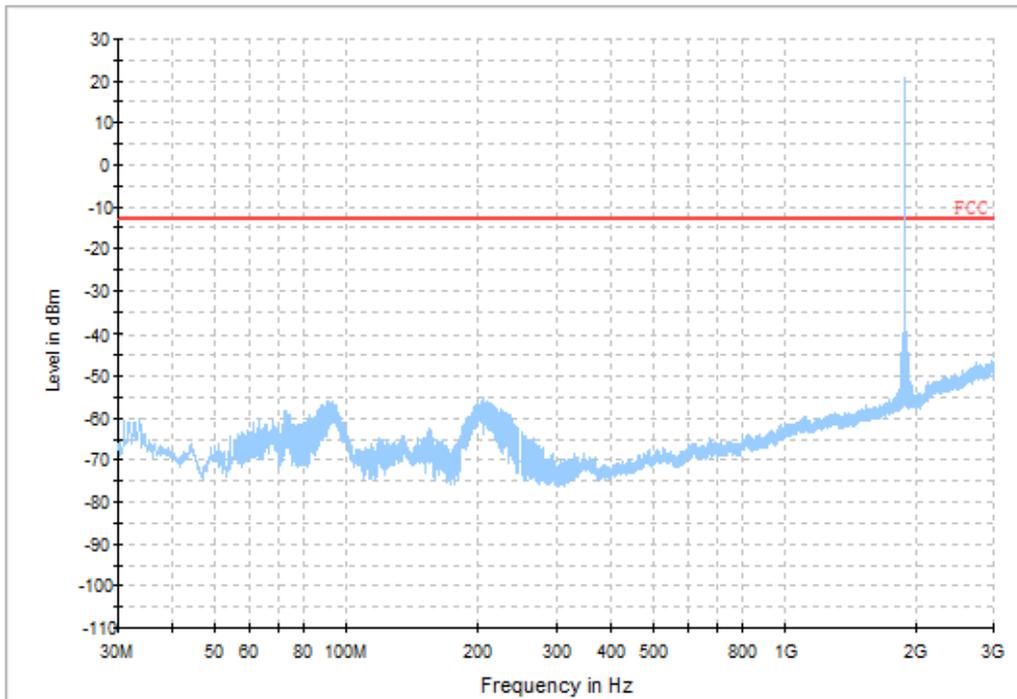


7.1.2 Test Band = GSM1900

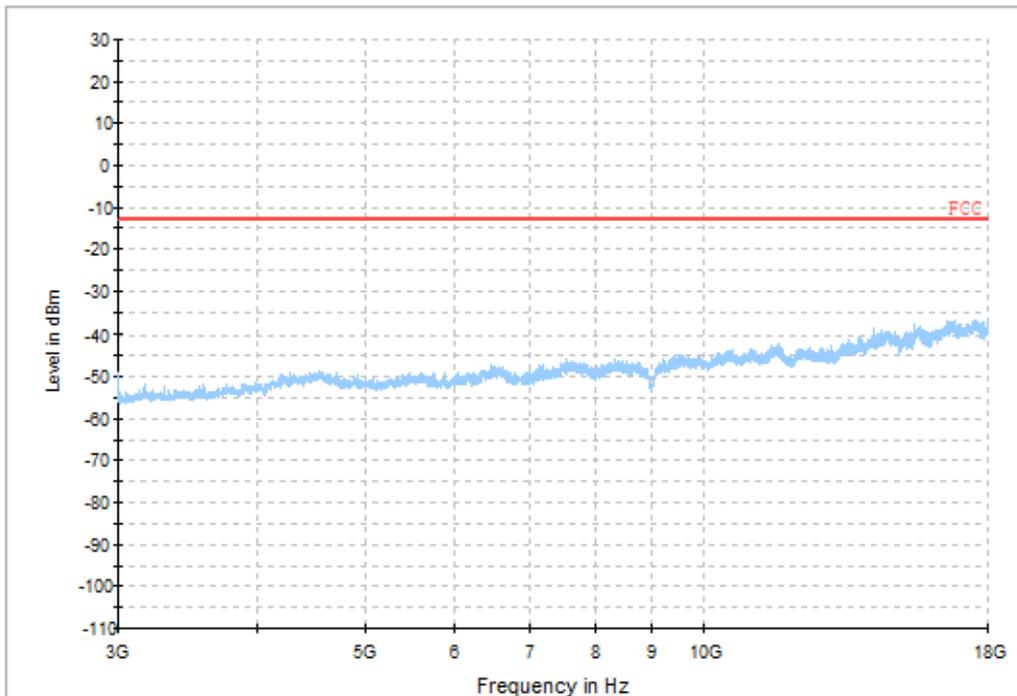
7.1.2.1 Test Mode = GSM/TM1

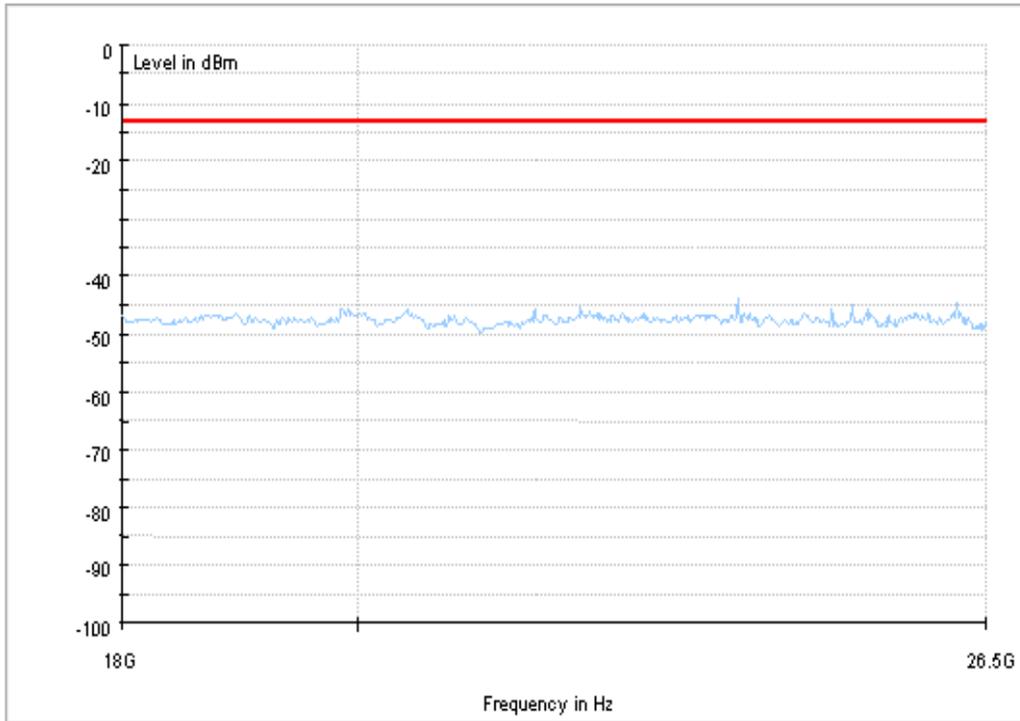


Copy of FCC PART24 GSM1900_L

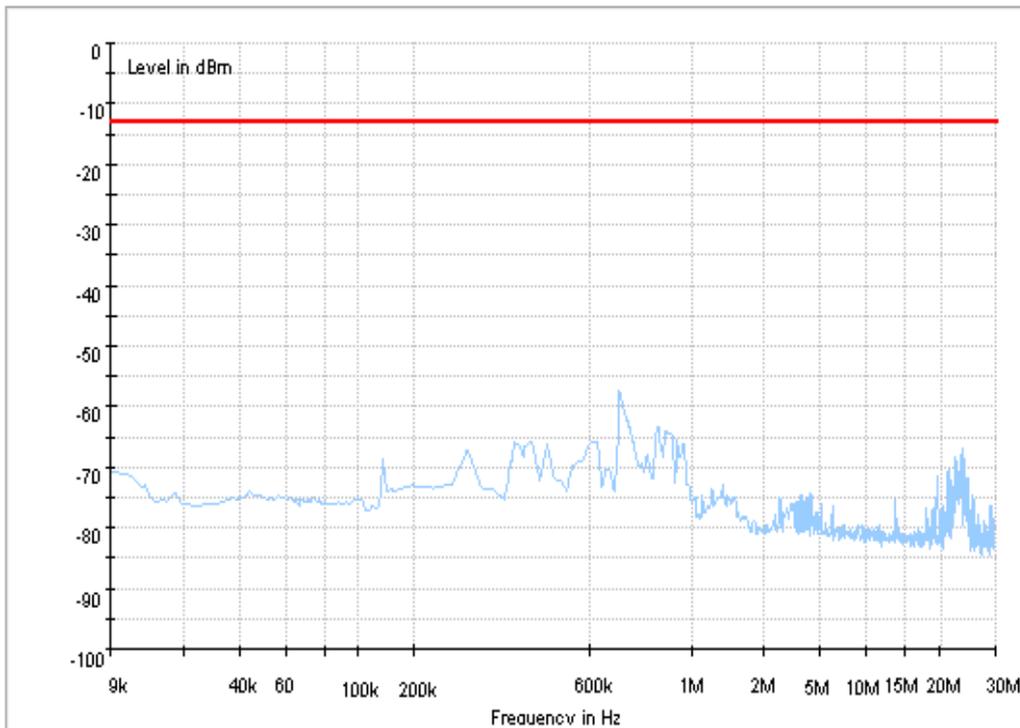


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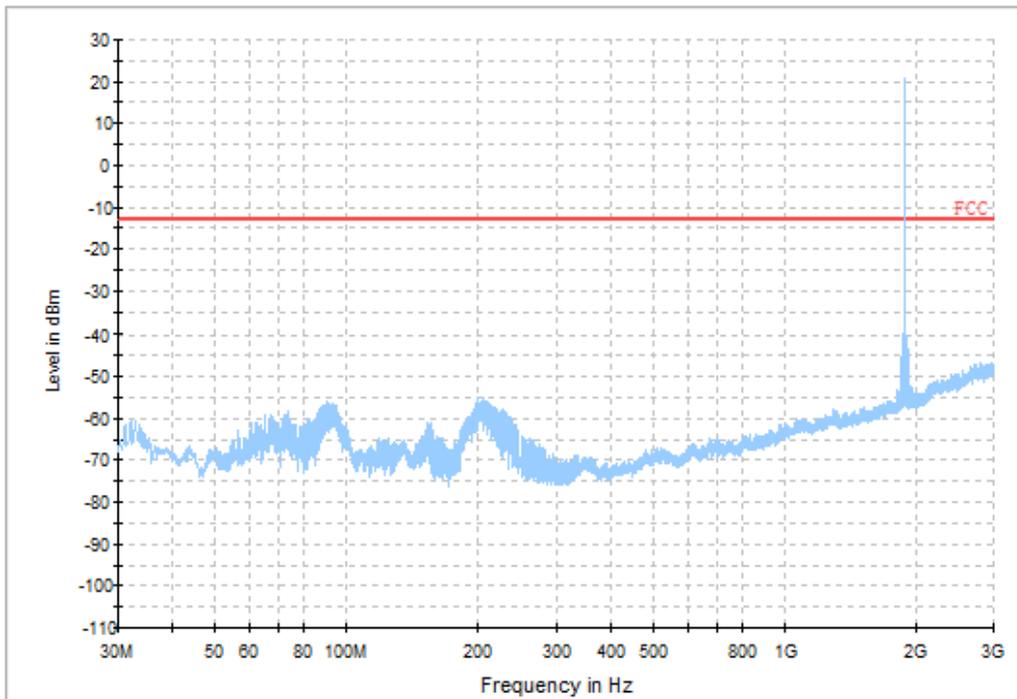




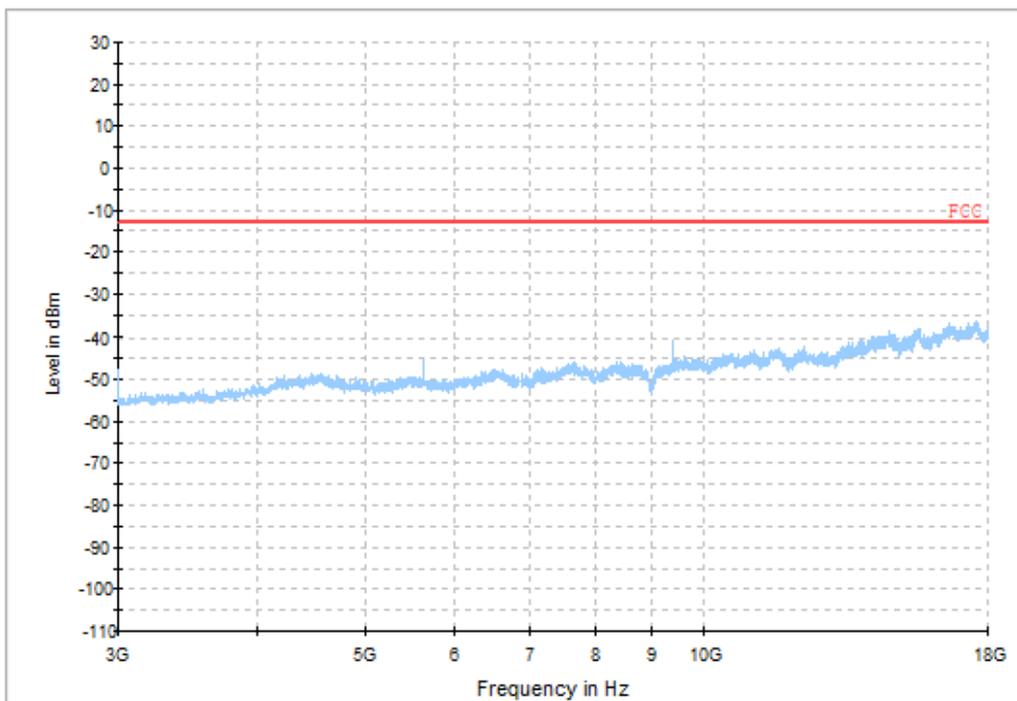
7.1.2.2 Test Mode = GSM/TM2

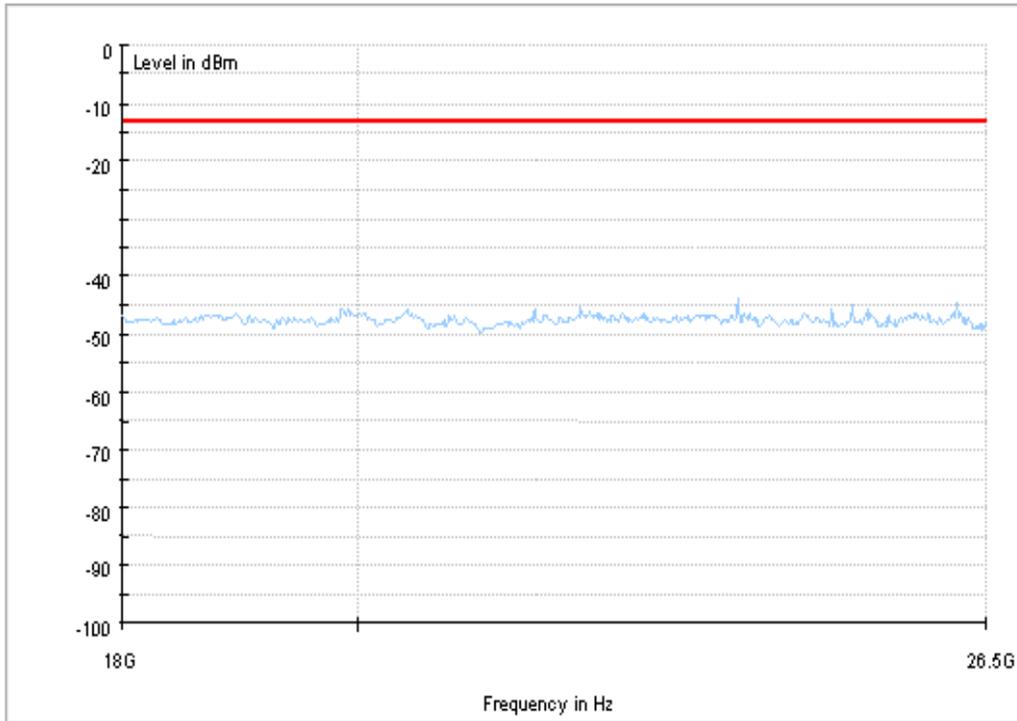


Copy of FCC PART24 GSM1900_L



Copy of FCC PART24 GSM1900_H

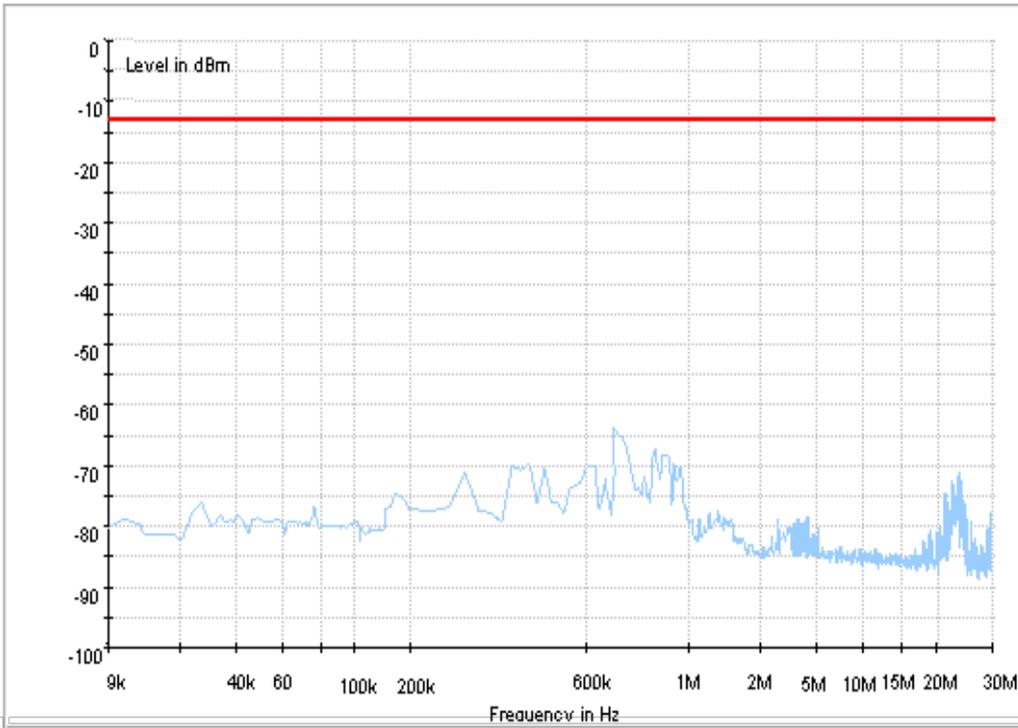




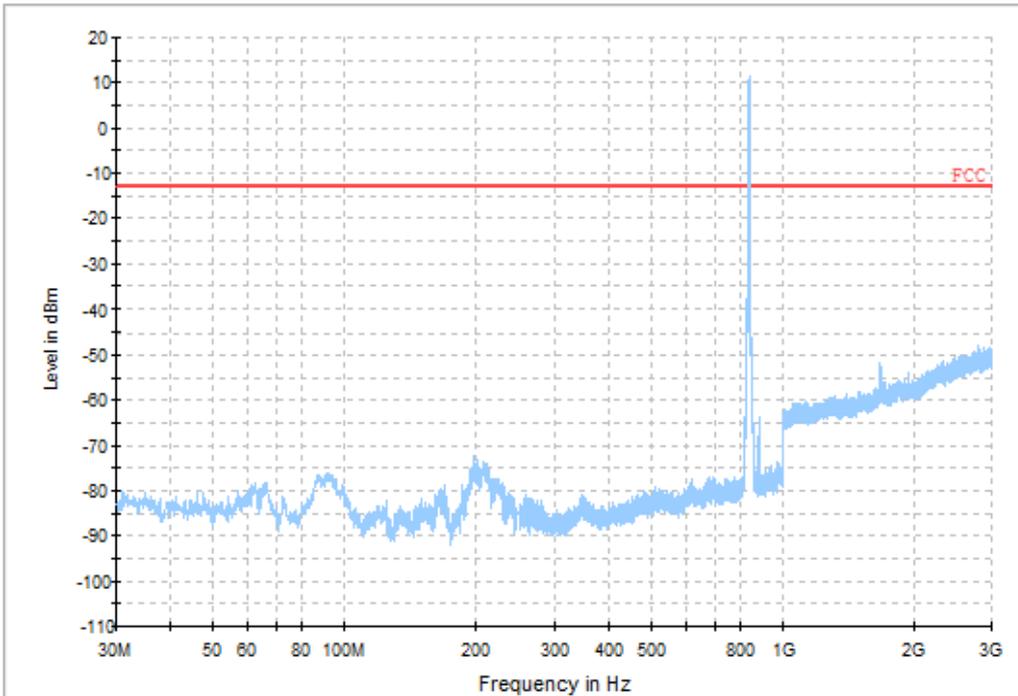
7.2 For UMTS

7.2.1 Test Band = WCDMA850

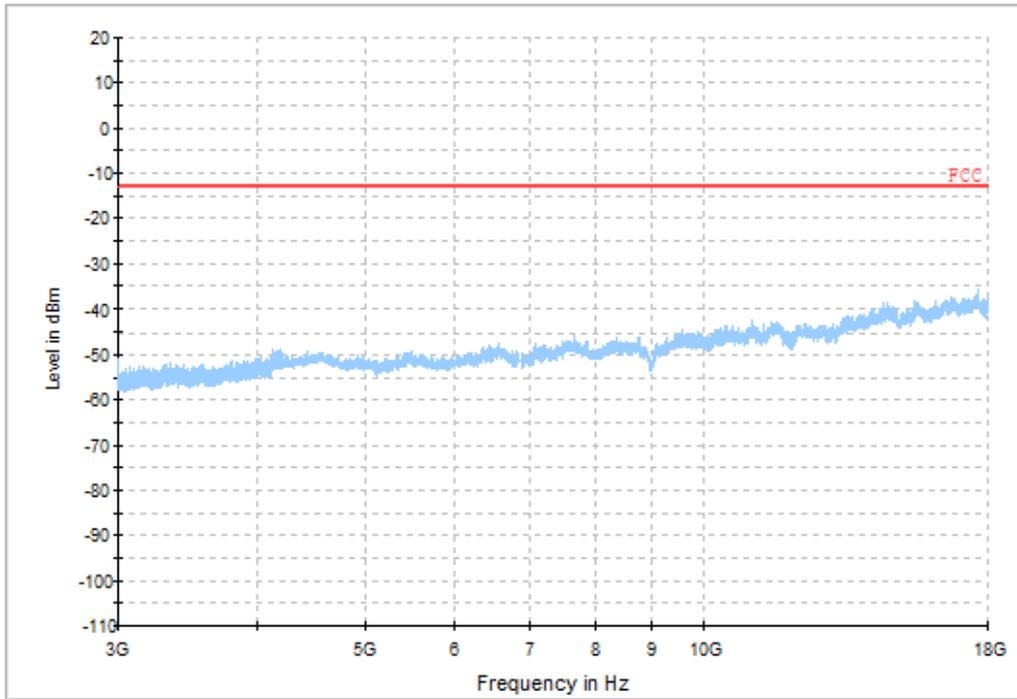
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850_L

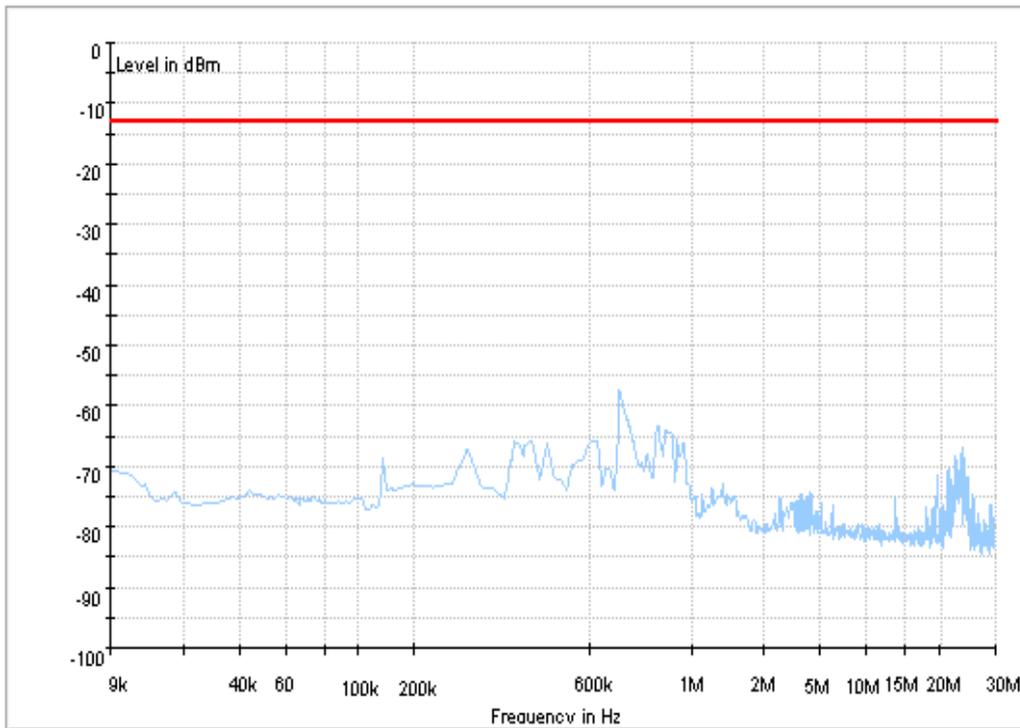


Copy of FCC PART22 WCDMA850_H

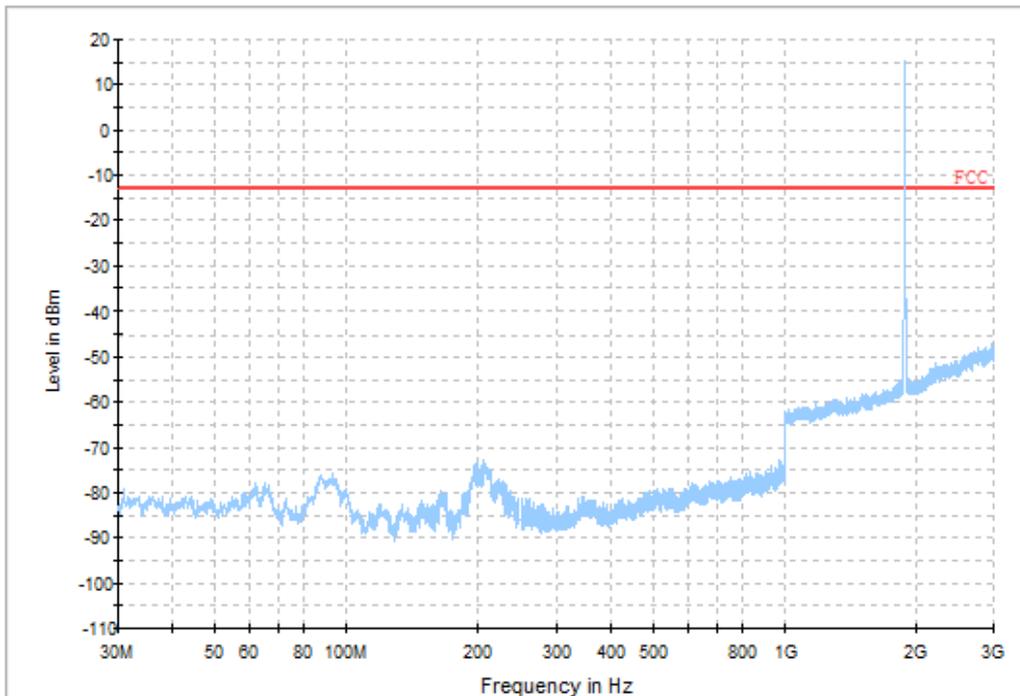


7.2.2 Test Band = WCDMA1900

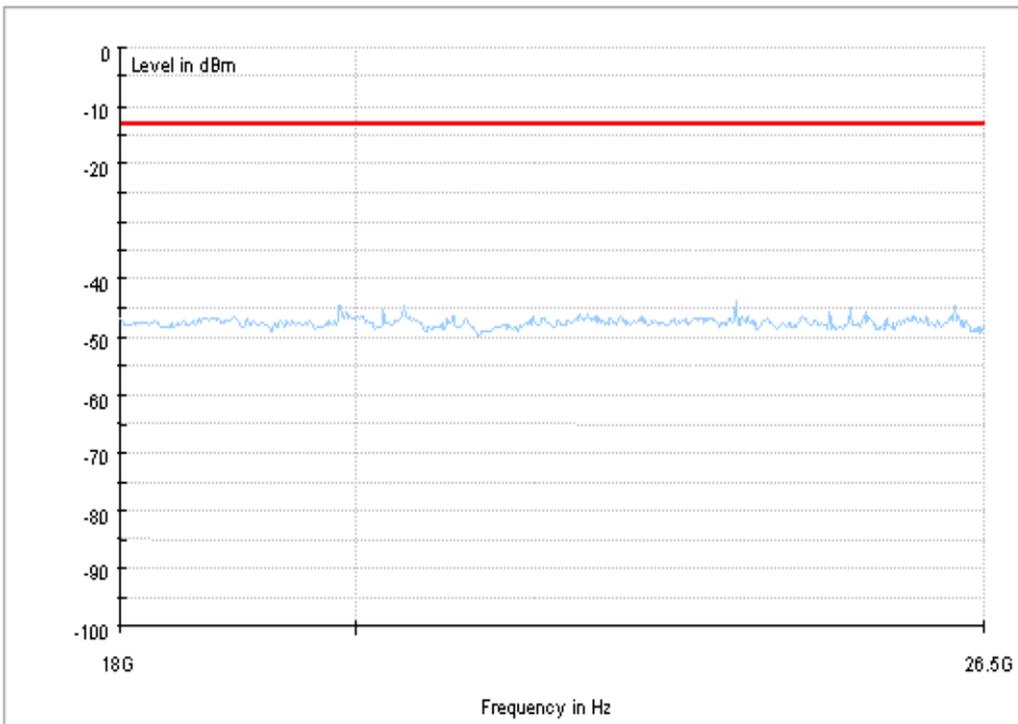
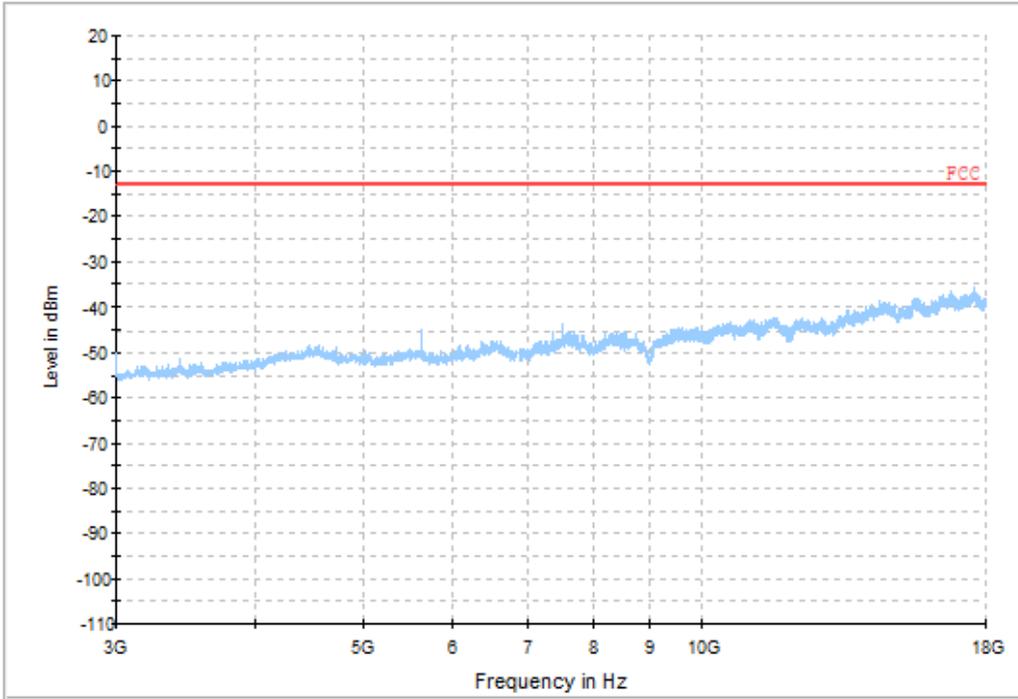
7.2.2.1 Test Mode = UMTS/TM1



Copy of FCC PART24 WCDMA1900_L



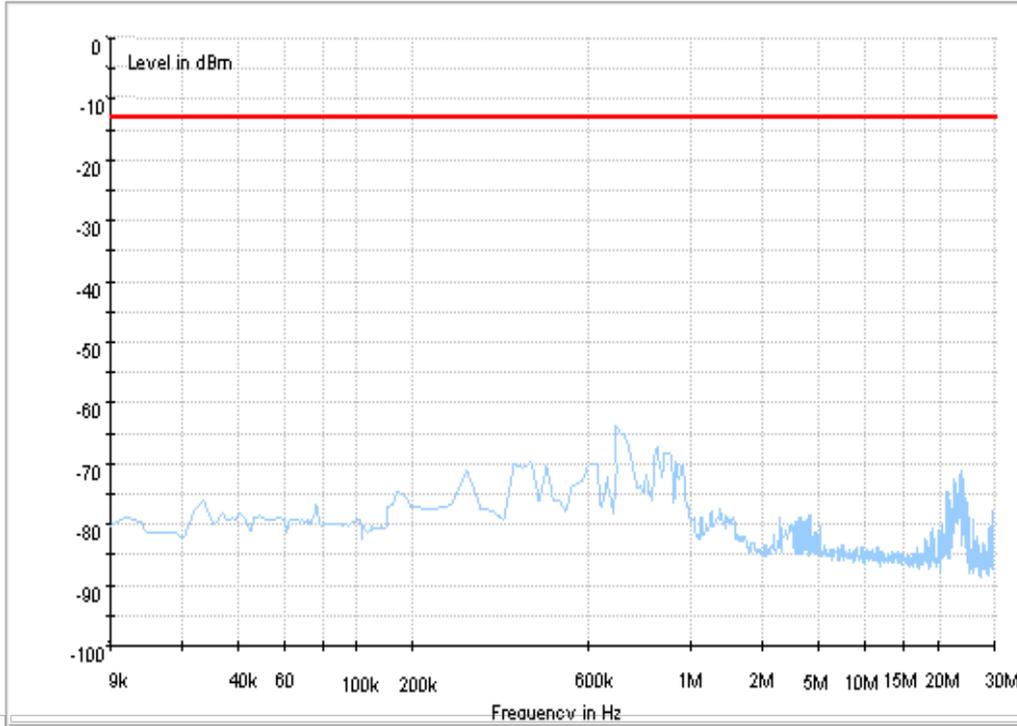
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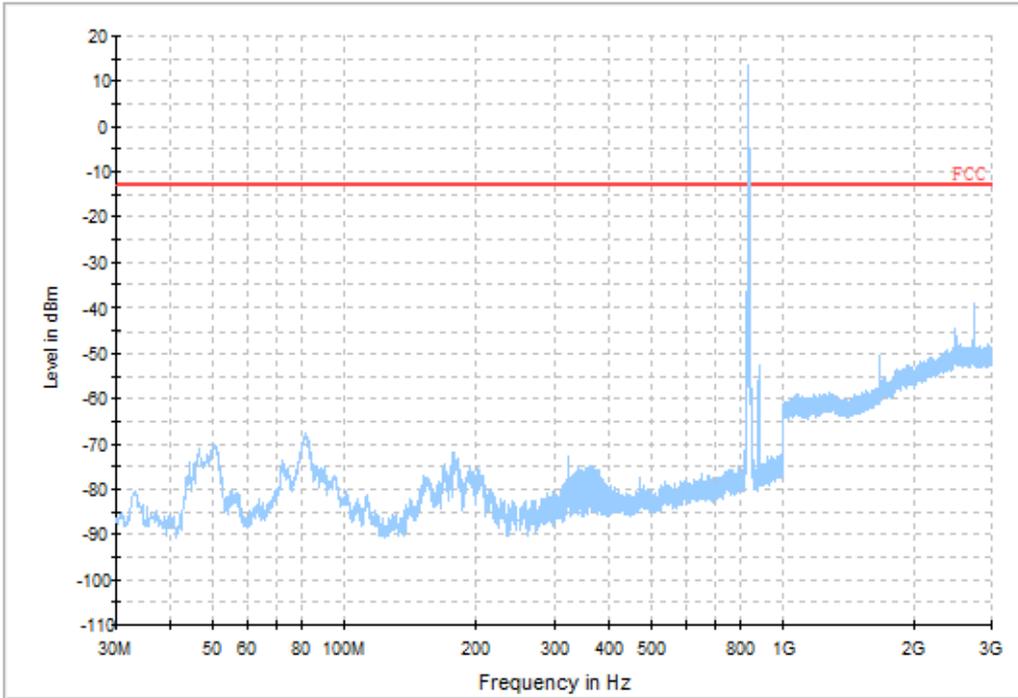
7.3 For LTE

7.3.1 Test Band = BAND5

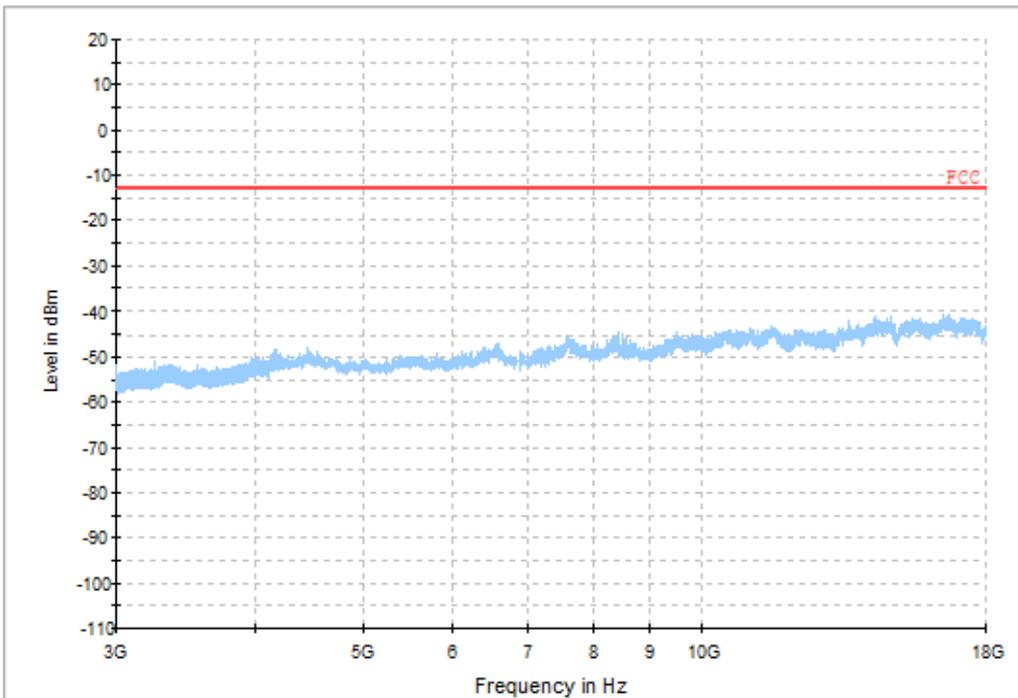
7.3.1.1 Test Bandwidth = 5



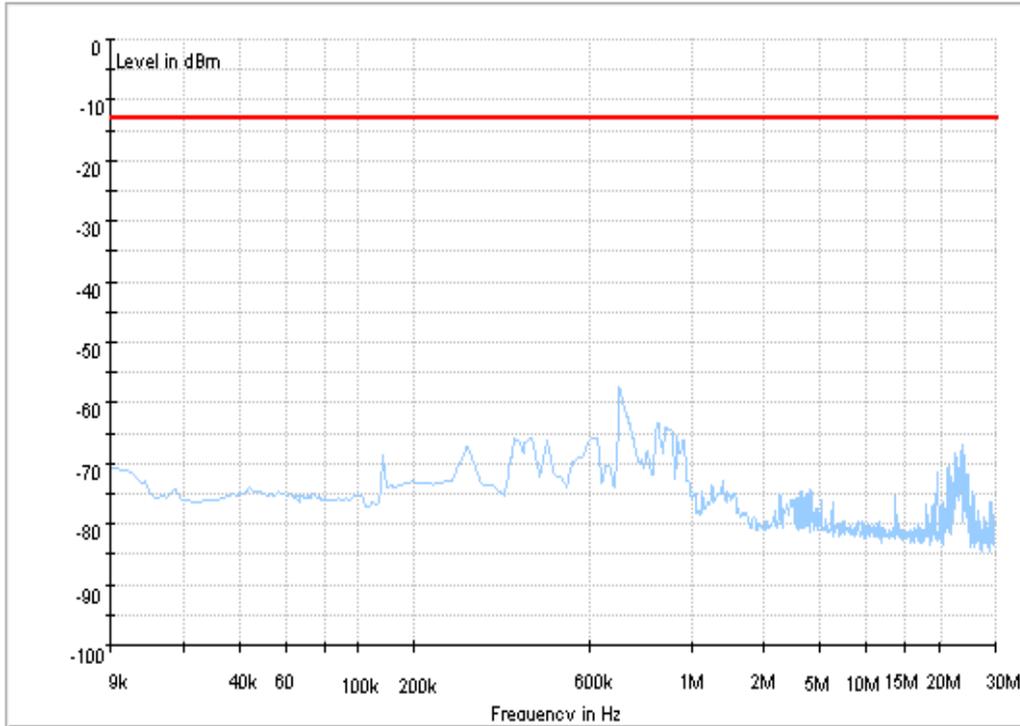
Copy of FCC PART22 LTE Band 5_L



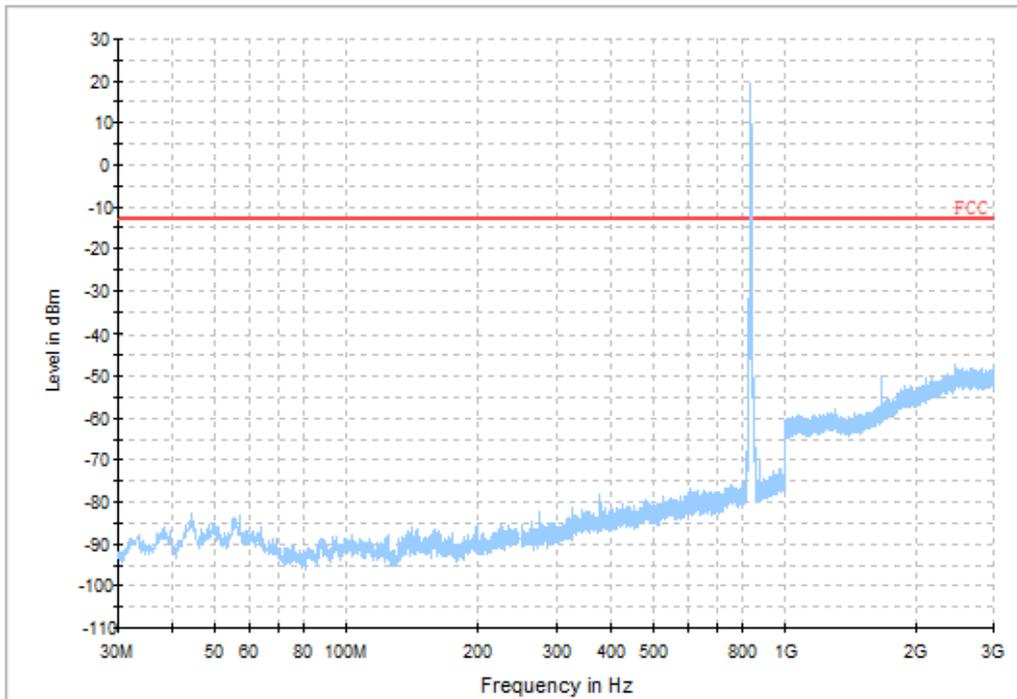
Copy of FCC PART22 LTE Band 5_H



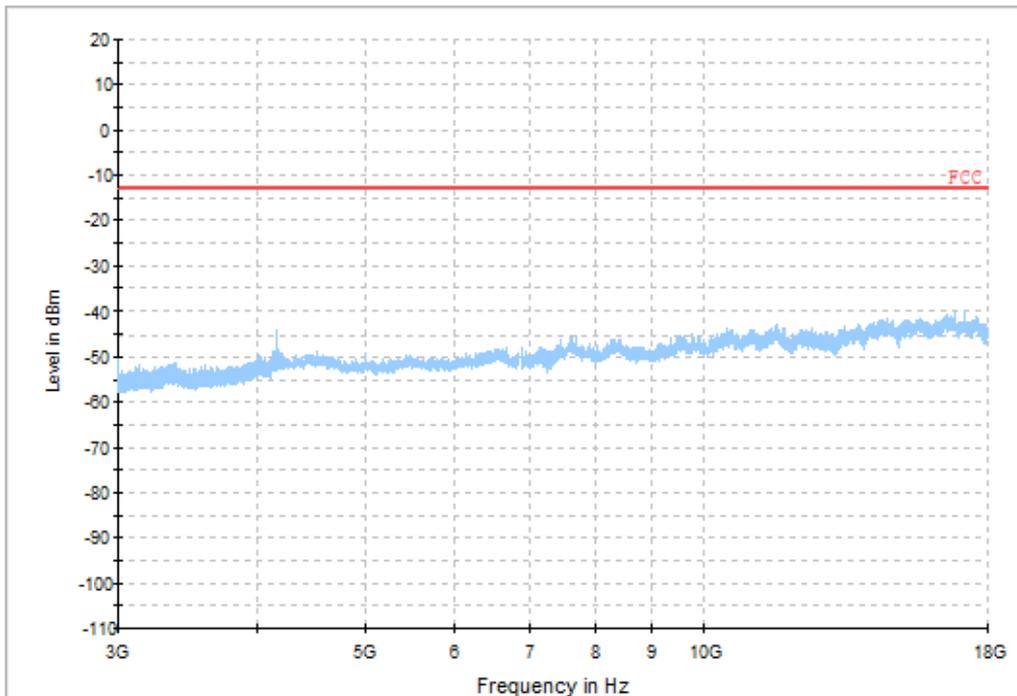
7.3.1.2 Test Bandwidth = 10



Copy of FCC PART22 LTE Band 5_L

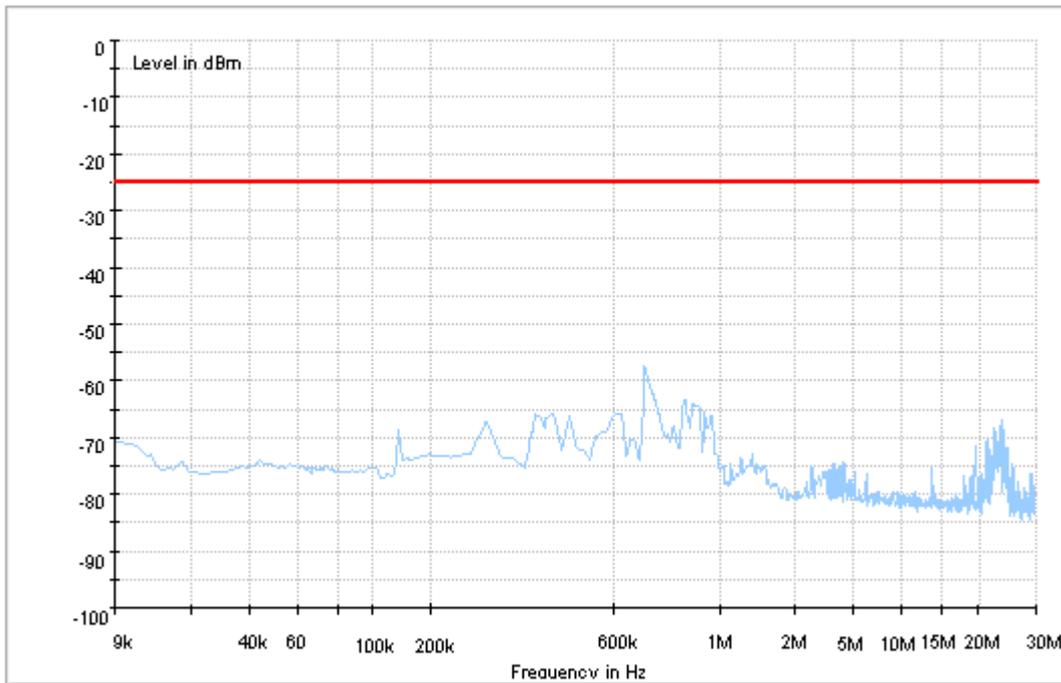


Copy of FCC PART22 LTE Band 5_H

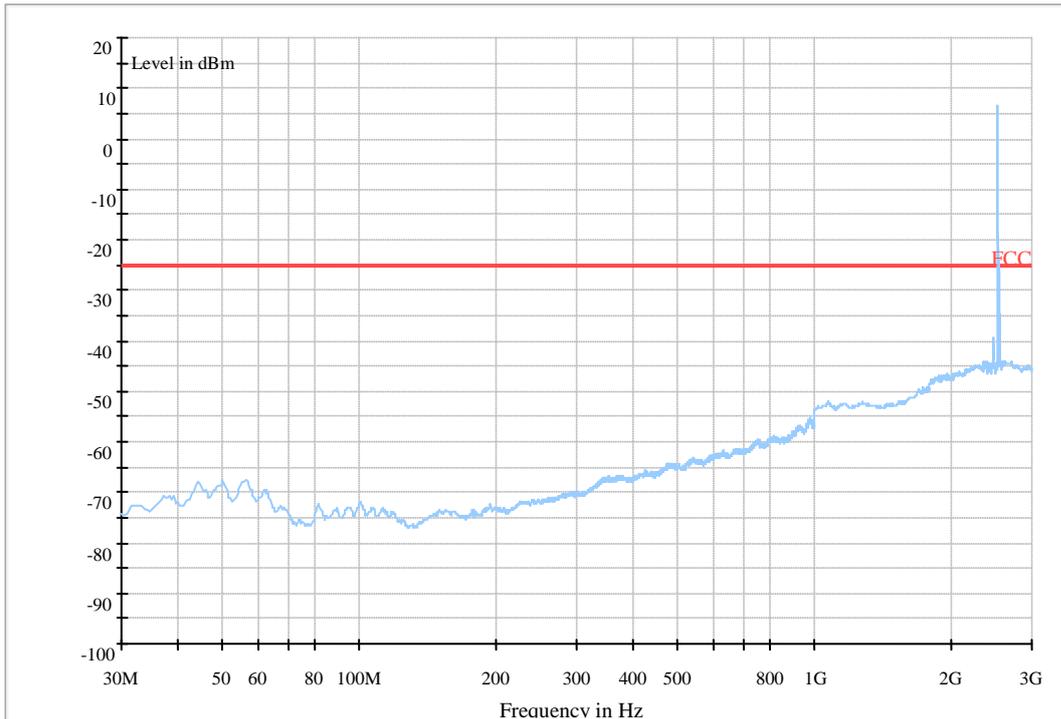


7.3.2 Test Band = BAND7

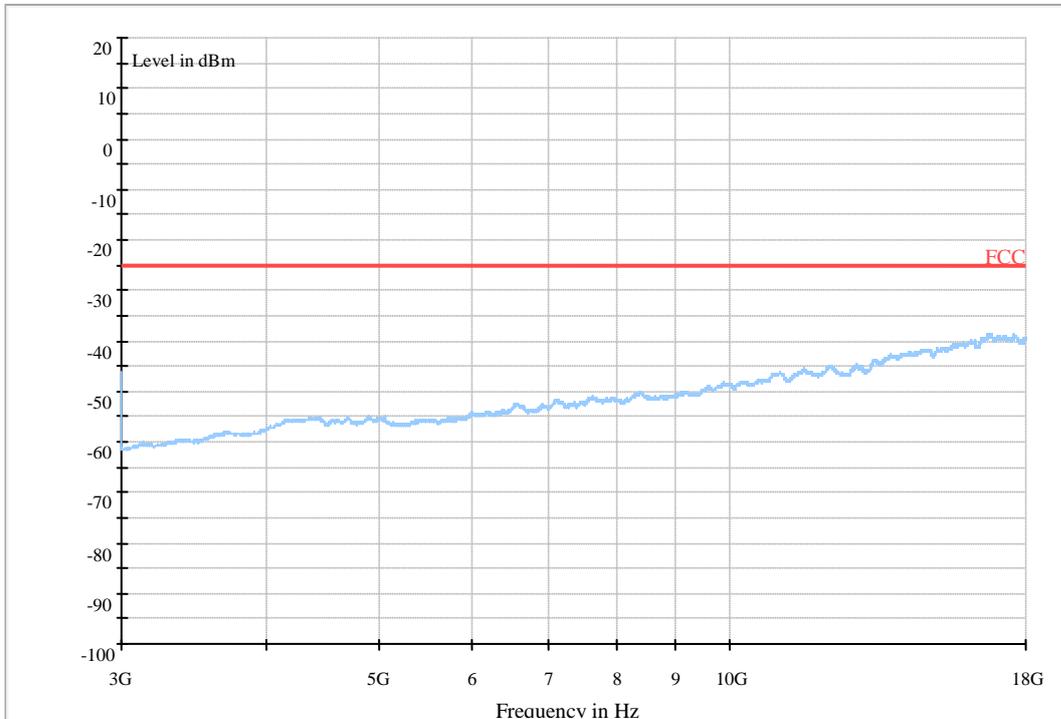
7.3.2.1 Test Bandwidth = 5

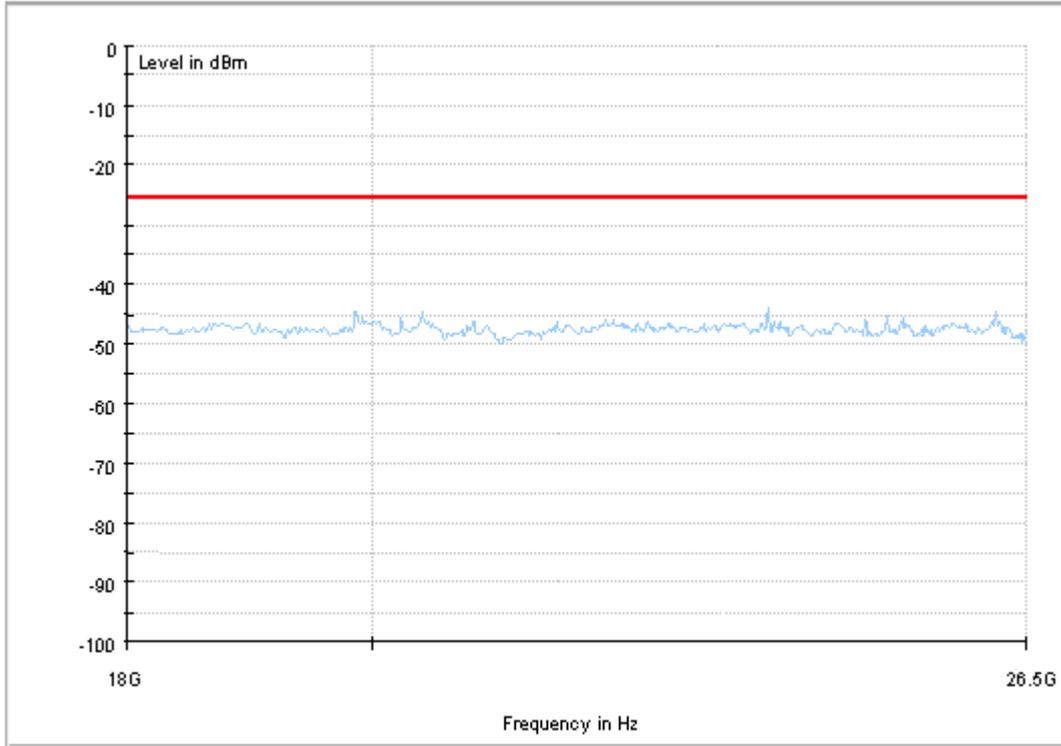


RSE-TX-DIRECTOR ABOVE 1.5G_L

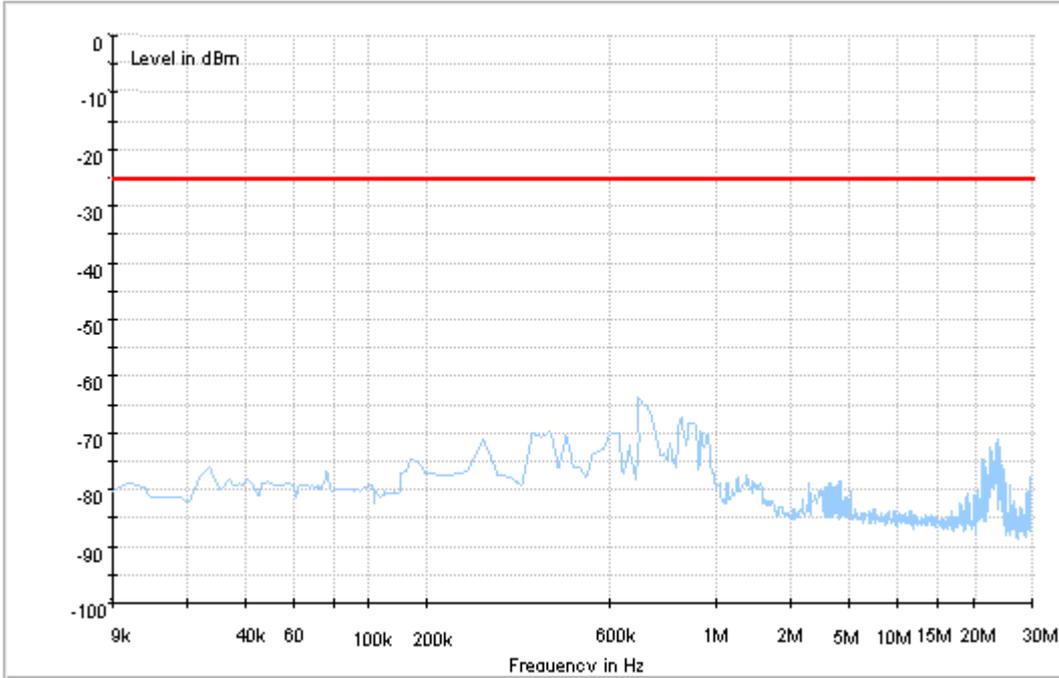


RSE-TX-DIRECTOR ABOVE 1.5G_H

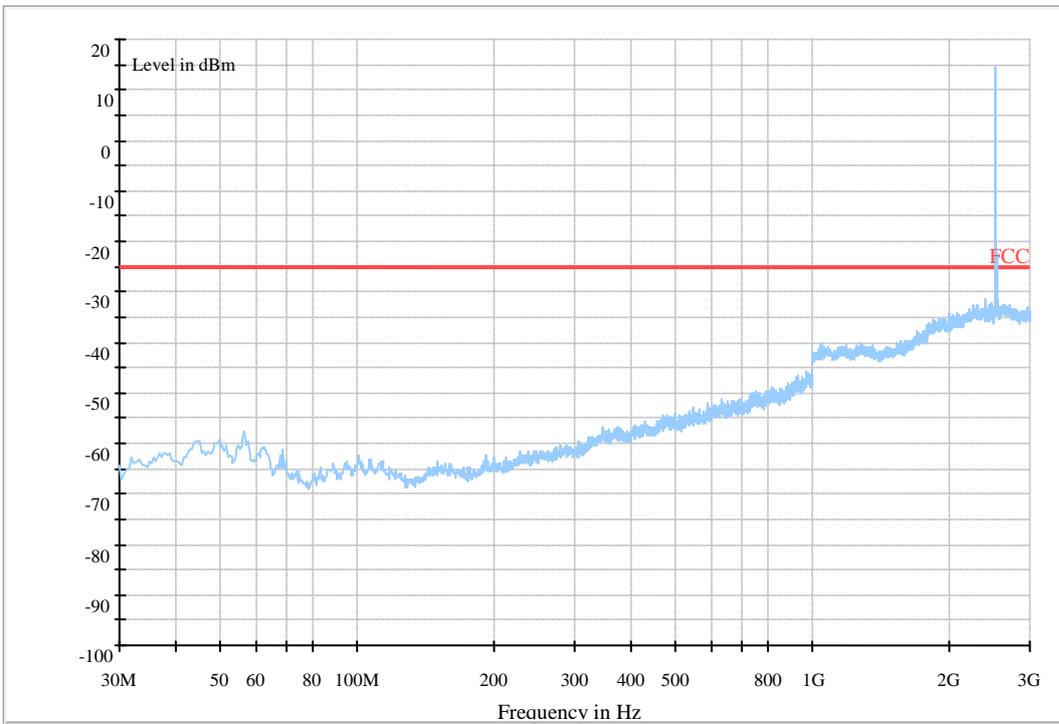




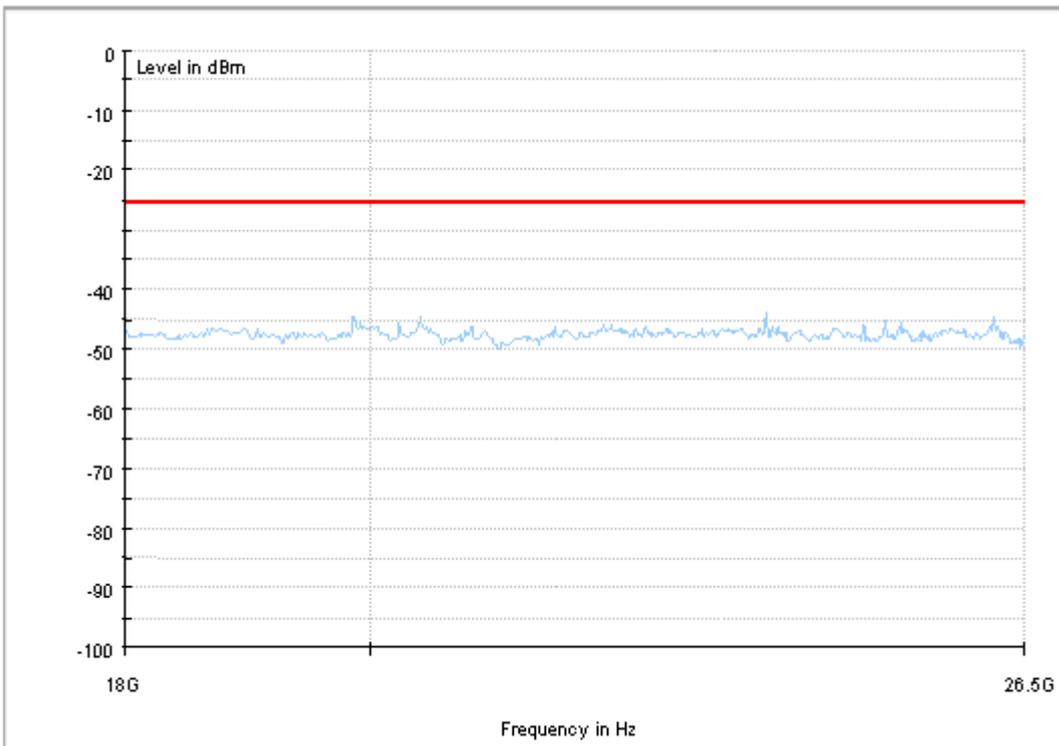
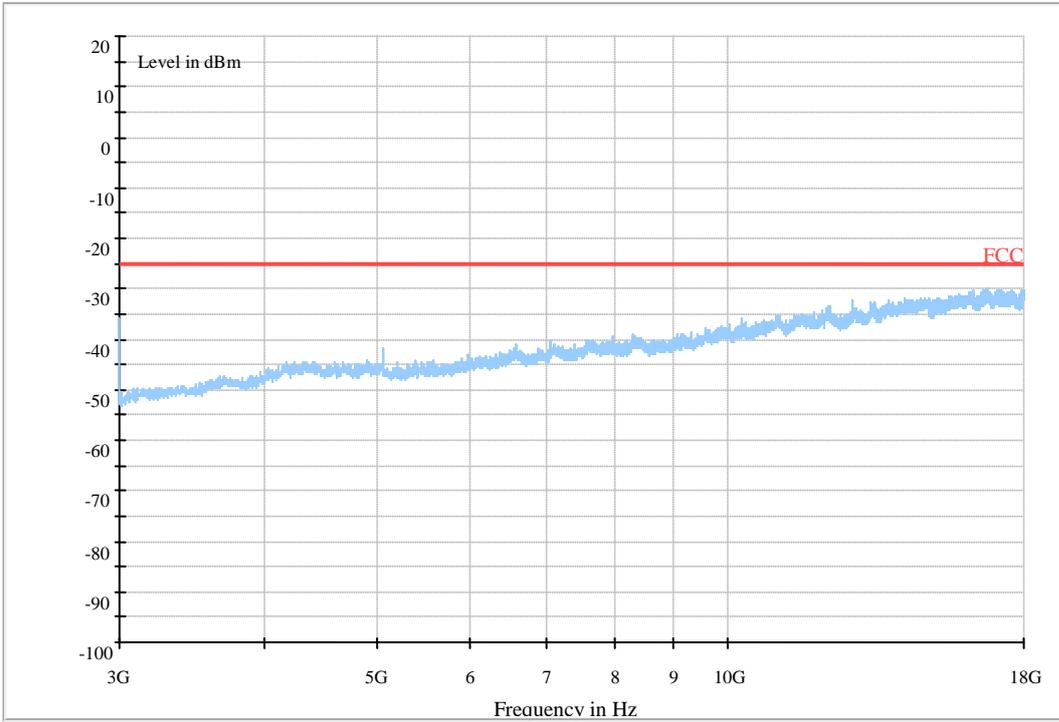
7.3.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_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	-17.05	-0.02069	PASS
				VN	-14.98	-0.01818	PASS
				VH	-14.98	-0.01818	PASS
		MCH	TN	VL	-12.40	-0.01482	PASS
				VN	-10.53	-0.01259	PASS
				VH	-14.53	-0.01737	PASS
		HCH	TN	VL	-10.91	-0.01285	PASS
				VN	-11.43	-0.01347	PASS
				VH	-12.27	-0.01446	PASS
	GSM/TM2	LCH	TN	VL	-30.96	-0.03756	PASS
				VN	-22.73	-0.02758	PASS
				VH	-29.51	-0.0358	PASS
		MCH	TN	VL	-22.28	-0.02663	PASS
				VN	-17.92	-0.02142	PASS
				VH	-22.96	-0.02744	PASS
		HCH	TN	VL	-22.47	-0.02647	PASS
				VN	-29.22	-0.03443	PASS
				VH	-31.77	-0.03743	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-16.72	-0.00904	PASS
				VN	-9.10	-0.00492	PASS
				VH	-19.44	-0.01051	PASS
		MCH	TN	VL	-4.39	-0.00234	PASS
				VN	-1.94	-0.00103	PASS
				VH	0.90	0.00048	PASS
		HCH	TN	VL	4.39	0.0023	PASS
				VN	-0.52	-0.00027	PASS
				VH	5.68	0.00297	PASS
	GSM/TM2	LCH	TN	VL	-6.52	-0.00352	PASS
				VN	-13.88	-0.0075	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				VH	2.10	0.00114	PASS
		MCH	TN	VL	0.23	0.00012	PASS
				VN	-9.20	-0.00489	PASS
				VH	-3.81	-0.00203	PASS
		HCH	TN	VL	10.59	0.00555	PASS
				VN	-9.20	-0.00482	PASS
				VH	-0.55	-0.00029	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	-11.62	-0.0141	PASS		
				-20	-13.56	-0.01645	PASS		
				-10	-12.59	-0.01528	PASS		
				0	-13.30	-0.01614	PASS		
				10	-14.01	-0.017	PASS		
				20	-15.37	-0.01865	PASS		
				30	-16.40	-0.0199	PASS		
				40	-16.72	-0.02029	PASS		
				50	-11.88	-0.01441	PASS		
				MCH	VN	-30	-14.72	-0.0176	PASS
						-20	-17.43	-0.02083	PASS
						-10	-8.91	-0.01065	PASS
						0	-13.82	-0.01652	PASS
						10	-10.59	-0.01266	PASS
						20	-12.66	-0.01513	PASS
						30	-11.75	-0.01404	PASS
						40	-9.30	-0.01112	PASS
						50	-11.17	-0.01335	PASS
				HCH	VN	-30	-9.88	-0.01164	PASS
						-20	-12.14	-0.0143	PASS
						-10	-11.62	-0.01369	PASS
						0	-11.82	-0.01393	PASS
						10	-12.14	-0.0143	PASS
						20	-13.24	-0.0156	PASS
						30	-9.75	-0.01149	PASS
						40	-10.91	-0.01285	PASS
						50	-9.94	-0.01171	PASS
		GSM/TM2	LCH	VN	-30	-21.57	-0.02617	PASS	

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				-20	-21.24	-0.02577	PASS		
				-10	-30.54	-0.03705	PASS		
				0	-30.96	-0.03756	PASS		
				10	-19.05	-0.02311	PASS		
				20	-34.29	-0.0416	PASS		
				30	-26.25	-0.03185	PASS		
				40	-32.96	-0.03999	PASS		
				50	-18.24	-0.02213	PASS		
		MCH	VN	-30	-26.44	-0.0316	PASS		
				-20	-17.24	-0.02061	PASS		
				-10	-27.73	-0.03315	PASS		
				0	-36.58	-0.04372	PASS		
				10	-37.90	-0.0453	PASS		
				20	-28.93	-0.03458	PASS		
				30	-30.77	-0.03678	PASS		
				40	-27.35	-0.03269	PASS		
		HCH	VN	50	-23.70	-0.02833	PASS		
				-30	-25.86	-0.03047	PASS		
				-20	-15.56	-0.01833	PASS		
				-10	-31.67	-0.03731	PASS		
				0	-23.76	-0.02799	PASS		
				10	-23.08	-0.02719	PASS		
				20	-20.37	-0.024	PASS		
				30	-20.92	-0.02465	PASS		
		GSM1900	GSM/TM1	LCH	VN	40	-30.67	-0.03613	PASS
						50	-17.95	-0.02115	PASS
						-30	-7.88	-0.00426	PASS
-20	-8.07					-0.00436	PASS		
-10	-6.97					-0.00377	PASS		
0	-3.23					-0.00175	PASS		
10	-8.85					-0.00478	PASS		
20	-0.52					-0.00028	PASS		
30	-12.14			-0.00656	PASS				
40	2.07			0.00112	PASS				
50	-7.17			-0.00388	PASS				
MCH	VN			-30	6.59	0.00351	PASS		
				-20	0.32	0.00017	PASS		
				-10	6.33	0.00337	PASS		
		0	3.87	0.00206	PASS				
		10	12.72	0.00677	PASS				

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				20	6.65	0.00354	PASS		
				30	1.10	0.00059	PASS		
				40	5.55	0.00295	PASS		
				50	4.65	0.00247	PASS		
		HCH	VN			-30	-0.52	-0.00027	PASS
						-20	-0.26	-0.00014	PASS
						-10	0.77	0.0004	PASS
						0	-0.19	-0.0001	PASS
						10	-2.32	-0.00121	PASS
						20	-3.16	-0.00165	PASS
						30	-3.55	-0.00186	PASS
						40	-0.65	-0.00034	PASS
						50	4.26	0.00223	PASS
						GSM/TM2	LCH	VN	
	-20	-10.56	-0.00571	PASS					
	-10	6.91	0.00373	PASS					
	0	-6.46	-0.00349	PASS					
	10	-9.56	-0.00517	PASS					
	20	-12.20	-0.00659	PASS					
	30	-6.10	-0.0033	PASS					
	40	-12.37	-0.00669	PASS					
	50	-14.14	-0.00764	PASS					
	MCH	VN			-30				
					-20		6.65	0.00354	PASS
					-10		4.88	0.0026	PASS
					0		0.45	0.00024	PASS
					10		0.90	0.00048	PASS
					20		5.36	0.00285	PASS
					30		-1.90	-0.00101	PASS
					40	-10.01	-0.00532	PASS	
	HCH	VN			50	-9.23	-0.00491	PASS	
					-30	-7.10	-0.00372	PASS	
					-20	-3.26	-0.00171	PASS	
					-10	-4.78	-0.0025	PASS	
					0	-3.68	-0.00193	PASS	
					10	-2.10	-0.0011	PASS	
					20	-0.55	-0.00029	PASS	
					30	9.91	0.00519	PASS	
					40	2.32	0.00121	PASS	
					50	1.36	0.00071	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	5.58	0.00675	PASS
				VN	-0.98	-0.00119	PASS
				VH	7.22	0.00874	PASS
		MCH	TN	VL	2.32	0.00277	PASS
				VN	4.41	0.00527	PASS
				VH	1.77	0.00212	PASS
		HCH	TN	VL	2.75	0.00325	PASS
				VN	0.41	0.00048	PASS
				VH	0.35	0.00041	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-4.27	-0.00231	PASS
				VN	-2.23	-0.0012	PASS
				VH	2.09	0.00113	PASS
		MCH	TN	VL	-5.71	-0.00304	PASS
				VN	-0.03	-0.00002	PASS
				VH	9.48	0.00504	PASS
		HCH	TN	VL	0.24	0.00013	PASS
				VN	-1.91	-0.001	PASS
				VH	-0.24	-0.00013	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	-4.97	-0.00601	PASS
				-20	-1.07	-0.00129	PASS
				-10	2.76	0.00334	PASS
				0	-6.18	-0.00748	PASS
				10	2.82	0.00341	PASS
				20	-1.94	-0.00235	PASS
				30	3.14	0.0038	PASS
				40	3.81	0.00461	PASS
				50	1.69	0.00205	PASS
		MCH	VN	-30	-0.66	-0.00079	PASS
				-20	1.56	0.00187	PASS
				-10	6.45	0.00771	PASS
				0	-3.80	-0.00454	PASS
				10	-0.89	-0.00106	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				20	6.47	0.00774	PASS		
				30	3.59	0.00429	PASS		
				40	1.72	0.00206	PASS		
				50	1.27	0.00152	PASS		
		HCH	VN			-30	2.81	0.00332	PASS
						-20	11.55	0.01364	PASS
						-10	4.81	0.00568	PASS
						0	10.27	0.01213	PASS
						10	3.68	0.00435	PASS
						20	6.84	0.00808	PASS
						30	-1.11	-0.00131	PASS
						40	-3.07	-0.00363	PASS
						50	2.00	0.00236	PASS
						WCDMA1900	UMTS/TM1	LCH	VN
-20	7.66	0.00414	PASS						
-10	11.00	0.00594	PASS						
0	4.03	0.00218	PASS						
10	-3.45	-0.00186	PASS						
20	-1.07	-0.00058	PASS						
30	-3.94	-0.00213	PASS						
40	8.22	0.00444	PASS						
50	3.23	0.00174	PASS						
MCH	VN			-30	3.25				
				-20	7.08			0.00377	PASS
				-10	-6.12			-0.00326	PASS
				0	6.16			0.00328	PASS
				10	-11.08			-0.00589	PASS
				20	-1.30			-0.00069	PASS
				30	1.57			0.00084	PASS
				40	-1.77			-0.00094	PASS
HCH	VN			50	3.19			0.0017	PASS
				-30	0.70			0.00037	PASS
				-20	-7.80			-0.00409	PASS
				-10	6.81			0.00357	PASS
				0	-6.91			-0.00362	PASS
				10	6.73			0.00353	PASS
				20	-8.90			-0.00467	PASS
				30	-2.08			-0.00109	PASS
				40	-1.34			-0.0007	PASS
				50	4.29			0.00225	PASS

8.3 For LTE

8.3.1 Frequency Error vs. Voltage

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	5	LCH	TN	VL	2.78	0.00336	PASS
					VN	0.34	0.00041	PASS
					VH	3.73	0.00451	PASS
			MCH	TN	VL	3.28	0.00392	PASS
					VN	2.76	0.0033	PASS
					VH	6.91	0.00826	PASS
		HCH	TN	VL	-0.69	-0.00082	PASS	
				VN	-3.05	-0.0036	PASS	
				VH	6.18	0.0073	PASS	
		10	LCH	TN	VL	0.43	0.00052	PASS
					VN	0.69	0.00083	PASS
					VH	-2.40	-0.0029	PASS
	MCH		TN	VL	0.66	0.00079	PASS	
				VN	2.78	0.00332	PASS	
				VH	4.29	0.00513	PASS	
	HCH	TN	VL	-0.99	-0.00117	PASS		
			VN	9.61	0.01139	PASS		
			VH	1.43	0.00169	PASS		
	LTE/TM2	5	LCH	TN	VL	2.99	0.00362	PASS
					VN	0.21	0.00025	PASS
					VH	4.31	0.00521	PASS
			MCH	TN	VL	7.45	0.00891	PASS
					VN	1.30	0.00155	PASS
					VH	6.02	0.0072	PASS
HCH		TN	VL	-10.84	-0.01281	PASS		
			VN	-1.56	-0.00184	PASS		
			VH	22.86	0.02701	PASS		
10		LCH	TN	VL	-1.14	-0.00138	PASS	
				VN	0.94	0.00113	PASS	
				VH	3.12	0.00376	PASS	
	MCH	TN	VL	-34.00	-0.04065	PASS		
			VN	-1.93	-0.00231	PASS		
			VH	7.00	0.00837	PASS		
HCH	TN	VL	-0.80	-0.00095	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-1.65	-0.00195	PASS
					VH	7.58	0.00898	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
BAND7	LTE/TM1	5	LCH	TN	VL	5.59	0.00223	±2.5	PASS
					VN	1.37	0.00055	±2.5	PASS
					VH	0.23	0.00009	±2.5	PASS
			MCH	TN	VL	3.82	0.00151	±2.5	PASS
					VN	8.88	0.0035	±2.5	PASS
					VH	-0.24	-0.00009	±2.5	PASS
			HCH	TN	VL	12.35	0.00481	±2.5	PASS
					VN	9.34	0.00364	±2.5	PASS
					VH	0.41	0.00016	±2.5	PASS
		10	LCH	TN	VL	5.12	0.00204	±2.5	PASS
					VN	1.37	0.00055	±2.5	PASS
					VH	2.45	0.00098	±2.5	PASS
			MCH	TN	VL	1.22	0.00048	±2.5	PASS
					VN	3.19	0.00126	±2.5	PASS
					VH	2.20	0.00087	±2.5	PASS
			HCH	TN	VL	-0.10	-0.00004	±2.5	PASS
					VN	7.71	0.00301	±2.5	PASS
					VH	5.94	0.00232	±2.5	PASS
		15	LCH	TN	VL	5.54	0.00221	±2.5	PASS
					VN	-5.41	-0.00216	±2.5	PASS
					VH	2.13	0.00085	±2.5	PASS
			MCH	TN	VL	1.12	0.00044	±2.5	PASS
					VN	3.53	0.00139	±2.5	PASS
					VH	-0.44	-0.00017	±2.5	PASS
			HCH	TN	VL	-0.27	-0.00011	±2.5	PASS
					VN	1.42	0.00055	±2.5	PASS
					VH	6.35	0.00248	±2.5	PASS
		20	LCH	TN	VL	2.09	0.00083	±2.5	PASS
					VN	6.87	0.00274	±2.5	PASS
					VH	3.22	0.00128	±2.5	PASS
			MCH	TN	VL	2.42	0.00095	±2.5	PASS
					VN	4.22	0.00166	±2.5	PASS
					VH	3.59	0.00142	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
	LTE/TM2	5	HCH	TN	VL	2.09	0.00082	±2.5	PASS
					VN	2.75	0.00107	±2.5	PASS
					VH	0.21	0.00008	±2.5	PASS
			LCH	TN	VL	1.82	0.00073	±2.5	PASS
					VN	1.22	0.00049	±2.5	PASS
					VH	6.65	0.00266	±2.5	PASS
			MCH	TN	VL	2.05	0.00081	±2.5	PASS
					VN	2.82	0.00111	±2.5	PASS
					VH	7.31	0.00288	±2.5	PASS
		HCH	TN	VL	1.99	0.00078	±2.5	PASS	
				VN	6.17	0.0024	±2.5	PASS	
				VH	6.17	0.0024	±2.5	PASS	
		10	LCH	TN	VL	6.12	0.00244	±2.5	PASS
					VN	4.72	0.00188	±2.5	PASS
					VH	5.98	0.00239	±2.5	PASS
			MCH	TN	VL	5.76	0.00227	±2.5	PASS
					VN	3.93	0.00155	±2.5	PASS
					VH	2.33	0.00092	±2.5	PASS
			HCH	TN	VL	3.78	0.00147	±2.5	PASS
					VN	3.02	0.00118	±2.5	PASS
					VH	0.49	0.00019	±2.5	PASS
		15	LCH	TN	VL	2.46	0.00098	±2.5	PASS
					VN	5.89	0.00235	±2.5	PASS
					VH	3.33	0.00133	±2.5	PASS
			MCH	TN	VL	1.19	0.00047	±2.5	PASS
					VN	2.73	0.00108	±2.5	PASS
					VH	4.56	0.0018	±2.5	PASS
			HCH	TN	VL	2.36	0.00092	±2.5	PASS
					VN	0.03	0.00001	±2.5	PASS
					VH	4.88	0.0019	±2.5	PASS
		20	LCH	TN	VL	0.93	0.00037	±2.5	PASS
					VN	3.52	0.0014	±2.5	PASS
					VH	-4.16	-0.00166	±2.5	PASS
			MCH	TN	VL	3.60	0.00142	±2.5	PASS
					VN	0.21	0.00008	±2.5	PASS
					VH	1.72	0.00068	±2.5	PASS
			HCH	TN	VL	1.24	0.00048	±2.5	PASS
					VN	6.08	0.00237	±2.5	PASS
					VH	3.15	0.00123	±2.5	PASS

8.3.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	5	LCH	VN	-30	1.82	0.0022	PASS
					-20	0.11	0.00013	PASS
					-10	3.35	0.00405	PASS
					0	-0.59	-0.00071	PASS
					10	2.68	0.00324	PASS
					20	2.90	0.00351	PASS
					30	4.99	0.00604	PASS
					40	-1.19	-0.00144	PASS
			50	2.10	0.00254	PASS		
			MCH	VN	-30	4.51	0.00539	PASS
					-20	6.61	0.0079	PASS
					-10	0.92	0.0011	PASS
					0	1.72	0.00206	PASS
					10	-0.50	-0.0006	PASS
		20			5.18	0.00619	PASS	
		30			1.23	0.00147	PASS	
		40			2.32	0.00277	PASS	
		50	2.49	0.00298	PASS			
		HCH	VN	-30	0.89	0.00105	PASS	
				-20	-14.00	-0.01654	PASS	
				-10	7.12	0.00841	PASS	
				0	11.46	0.01354	PASS	
				10	0.43	0.00051	PASS	
				20	6.04	0.00714	PASS	
				30	-0.24	-0.00028	PASS	
				40	13.83	0.01634	PASS	
		50	3.82	0.00451	PASS			
		10	LCH	VN	-30	3.15	0.0038	PASS
-20	1.06				0.00128	PASS		
-10	2.13				0.00257	PASS		
0	12.95				0.01562	PASS		
10	-0.56				-0.00068	PASS		
20	6.21				0.00749	PASS		
30	5.39				0.0065	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	-6.47	-0.0078	PASS		
					50	-23.17	-0.02795	PASS		
			MCH	VN	-30	24.52	0.02931	PASS		
					-20	-12.62	-0.01509	PASS		
					-10	38.92	0.04653	PASS		
					0	-53.01	-0.06337	PASS		
					10	33.03	0.03949	PASS		
					20	-50.55	-0.06043	PASS		
					30	-6.61	-0.0079	PASS		
					40	15.06	0.018	PASS		
					50	-0.30	-0.00036	PASS		
			HCH	VN	-30	1.83	0.00217	PASS		
					-20	3.83	0.00454	PASS		
					-10	2.19	0.00259	PASS		
					0	3.35	0.00397	PASS		
					10	1.57	0.00186	PASS		
					20	1.22	0.00145	PASS		
					30	5.74	0.0068	PASS		
					40	1.57	0.00186	PASS		
			LTE/TM2	5	LCH	VN	-30	-0.99	-0.0012	PASS
							-20	8.91	0.01078	PASS
	-10	-10.21					-0.01235	PASS		
	0	3.72					0.0045	PASS		
	10	3.13					0.00379	PASS		
	20	-0.94					-0.00114	PASS		
	30	4.71					0.0057	PASS		
	40	1.99					0.00241	PASS		
	50	5.19			0.00628	PASS				
	MCH	VN			-30	3.85	0.0046	PASS		
					-20	-3.30	-0.00395	PASS		
					-10	-0.93	-0.00111	PASS		
			0	-2.06	-0.00246	PASS				
	10	4.53	0.00542	PASS						
20	5.92	0.00708	PASS							
30	3.96	0.00473	PASS							
40	2.39	0.00286	PASS							
50	0.03	0.00004	PASS							
HCH	VN	-30	6.15	0.00727	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	1.89	0.00223	PASS		
					-10	7.44	0.00879	PASS		
					0	1.79	0.00211	PASS		
					10	3.65	0.00431	PASS		
					20	-3.72	-0.00439	PASS		
					30	-0.66	-0.00078	PASS		
					40	2.47	0.00292	PASS		
					50	11.32	0.01337	PASS		
		10	LCH	VN	-30	1.54	0.00186	PASS		
					-20	-0.40	-0.00048	PASS		
					-10	-1.09	-0.00131	PASS		
					0	6.35	0.00766	PASS		
					10	6.79	0.00819	PASS		
					20	0.64	0.00077	PASS		
					30	-2.70	-0.00326	PASS		
					40	0.49	0.00059	PASS		
					50	17.31	0.02088	PASS		
					MCH	VN	-30	-2.06	-0.00246	PASS
							-20	7.41	0.00886	PASS
							-10	-0.24	-0.00029	PASS
			0	3.16			0.00378	PASS		
			10	0.80			0.00096	PASS		
			20	-6.91			-0.00826	PASS		
			30	2.15			0.00257	PASS		
			40	-0.43			-0.00051	PASS		
			HCH	VN	-30	-3.49	-0.00414	PASS		
					-20	3.53	0.00418	PASS		
					-10	5.82	0.0069	PASS		
					0	5.59	0.00662	PASS		
					10	6.12	0.00725	PASS		
					20	-66.96	-0.07934	PASS		
					30	3.30	0.00391	PASS		
		40			1.43	0.00169	PASS			
		50	-45.26	-0.05363	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
BAND7	LTE/TM1	5	LCH	VN	-30	3.96	0.00158	±2.5	PASS
					-20	4.28	0.00171	±2.5	PASS
					-10	6.01	0.0024	±2.5	PASS
					0	9.26	0.0037	±2.5	PASS
					10	8.48	0.00339	±2.5	PASS
					20	2.36	0.00094	±2.5	PASS
					30	1.49	0.0006	±2.5	PASS
					40	7.90	0.00316	±2.5	PASS
			50	1.82	0.00073	±2.5	PASS		
			MCH	VN	-30	8.10	0.0032	±2.5	PASS
					-20	6.08	0.0024	±2.5	PASS
					-10	6.12	0.00241	±2.5	PASS
					0	5.06	0.002	±2.5	PASS
					10	3.23	0.00127	±2.5	PASS
					20	4.56	0.0018	±2.5	PASS
					30	3.05	0.0012	±2.5	PASS
					40	5.78	0.00228	±2.5	PASS
			50	2.68	0.00106	±2.5	PASS		
			HCH	VN	-30	3.13	0.00122	±2.5	PASS
					-20	3.38	0.00132	±2.5	PASS
					-10	3.05	0.00119	±2.5	PASS
					0	5.98	0.00233	±2.5	PASS
					10	6.52	0.00254	±2.5	PASS
					20	4.65	0.00181	±2.5	PASS
		30			-2.80	-0.00109	±2.5	PASS	
		40			2.43	0.00095	±2.5	PASS	
		50	4.35	0.00169	±2.5	PASS			
		10	LCH	VN	-30	-0.72	-0.00029	±2.5	PASS
					-20	9.66	0.00386	±2.5	PASS
					-10	3.78	0.00151	±2.5	PASS
					0	3.62	0.00145	±2.5	PASS
					10	3.85	0.00154	±2.5	PASS
					20	3.23	0.00129	±2.5	PASS
					30	2.53	0.00101	±2.5	PASS
					40	3.13	0.00125	±2.5	PASS
					50	6.94	0.00277	±2.5	PASS
MCH	VN				-30	-3.85	-0.00152	±2.5	PASS
			-20	2.96	0.00117	±2.5	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict		
					-10	5.68	0.00224	±2.5	PASS		
					0	1.89	0.00075	±2.5	PASS		
					10	-0.10	-0.00004	±2.5	PASS		
					20	5.84	0.0023	±2.5	PASS		
					30	-1.12	-0.00044	±2.5	PASS		
					40	-1.02	-0.0004	±2.5	PASS		
					50	3.15	0.00124	±2.5	PASS		
			HCH	VN	-30	3.50	0.00136	±2.5	PASS		
					-20	1.53	0.0006	±2.5	PASS		
					-10	2.99	0.00117	±2.5	PASS		
					0	5.59	0.00218	±2.5	PASS		
					10	-3.55	-0.00138	±2.5	PASS		
					20	2.42	0.00094	±2.5	PASS		
					30	5.41	0.00211	±2.5	PASS		
					40	1.95	0.00076	±2.5	PASS		
			50	-1.99	-0.00078	±2.5	PASS				
			LCH	VN	-30	2.52	0.001	±2.5	PASS		
					-20	-0.43	-0.00017	±2.5	PASS		
					-10	4.94	0.00197	±2.5	PASS		
					0	-0.53	-0.00021	±2.5	PASS		
					10	-0.40	-0.00016	±2.5	PASS		
		20			3.42	0.00136	±2.5	PASS			
		30			0.84	0.00033	±2.5	PASS			
		40			0.43	0.00017	±2.5	PASS			
		50			1.29	0.00051	±2.5	PASS			
		MCH			VN	-30	-0.53	-0.00021	±2.5	PASS	
						-20	3.28	0.00129	±2.5	PASS	
						-10	0.89	0.00035	±2.5	PASS	
						0	0.34	0.00013	±2.5	PASS	
						10	1.76	0.00069	±2.5	PASS	
			20	4.03		0.00159	±2.5	PASS			
			30	4.36		0.00172	±2.5	PASS			
			40	0.07		0.00003	±2.5	PASS			
		50	1.06	0.00042	±2.5	PASS					
		HCH	VN	-30	-3.63	-0.00142	±2.5	PASS			
				-20	4.06	0.00158	±2.5	PASS			
				-10	1.19	0.00046	±2.5	PASS			
				0	0.24	0.00009	±2.5	PASS			
				10	2.23	0.00087	±2.5	PASS			
		15					-30	2.52	0.001	±2.5	PASS
							-20	-0.43	-0.00017	±2.5	PASS
							-10	4.94	0.00197	±2.5	PASS
							0	-0.53	-0.00021	±2.5	PASS
							10	-0.40	-0.00016	±2.5	PASS
							20	3.42	0.00136	±2.5	PASS
30	0.84						0.00033	±2.5	PASS		
LCH	VN			-30	-0.53	-0.00021	±2.5	PASS			
				-20	3.28	0.00129	±2.5	PASS			
				-10	0.89	0.00035	±2.5	PASS			
				0	0.34	0.00013	±2.5	PASS			
				10	1.76	0.00069	±2.5	PASS			
				20	4.03	0.00159	±2.5	PASS			
				30	4.36	0.00172	±2.5	PASS			
MCH	VN	-30	-0.53	-0.00021	±2.5	PASS					
		-20	3.28	0.00129	±2.5	PASS					
		-10	0.89	0.00035	±2.5	PASS					
		0	0.34	0.00013	±2.5	PASS					
		10	1.76	0.00069	±2.5	PASS					
		20	4.03	0.00159	±2.5	PASS					
		30	4.36	0.00172	±2.5	PASS					
HCH	VN	-30	-3.63	-0.00142	±2.5	PASS					
		-20	4.06	0.00158	±2.5	PASS					
		-10	1.19	0.00046	±2.5	PASS					
		0	0.24	0.00009	±2.5	PASS					
		10	2.23	0.00087	±2.5	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
		20	LCH	VN	20	4.42	0.00172	±2.5	PASS
					30	-1.02	-0.0004	±2.5	PASS
					40	-1.40	-0.00055	±2.5	PASS
					50	0.86	0.00034	±2.5	PASS
					-30	-0.20	-0.00008	±2.5	PASS
			-20	2.25	0.0009	±2.5	PASS		
			-10	5.84	0.00233	±2.5	PASS		
			0	-0.50	-0.0002	±2.5	PASS		
			10	0.29	0.00012	±2.5	PASS		
			20	1.34	0.00053	±2.5	PASS		
		30	-0.14	-0.00006	±2.5	PASS			
		40	0.17	0.00007	±2.5	PASS			
		50	2.30	0.00092	±2.5	PASS			
		MCH	VN	-30	4.35	0.00172	±2.5	PASS	
				-20	1.06	0.00042	±2.5	PASS	
				-10	1.33	0.00052	±2.5	PASS	
				0	3.39	0.00134	±2.5	PASS	
				10	-1.27	-0.0005	±2.5	PASS	
				20	3.43	0.00135	±2.5	PASS	
				30	0.00	0	±2.5	PASS	
	40			-1.53	-0.0006	±2.5	PASS		
	50			3.69	0.00146	±2.5	PASS		
	HCH			VN	-30	1.03	0.0004	±2.5	PASS
		-20	-3.28		-0.00128	±2.5	PASS		
		-10	3.53		0.00138	±2.5	PASS		
		0	2.98		0.00116	±2.5	PASS		
		10	-4.05		-0.00158	±2.5	PASS		
		20	0.92		0.00036	±2.5	PASS		
		30	3.86		0.00151	±2.5	PASS		
		40	0.10		0.00004	±2.5	PASS		
		50	7.04		0.00275	±2.5	PASS		
	LTE/TM2	5	LCH	VN	-30	8.00	0.0032	±2.5	PASS
					-20	6.38	0.00255	±2.5	PASS
					-10	8.24	0.00329	±2.5	PASS
					0	5.92	0.00237	±2.5	PASS
					10	6.27	0.00251	±2.5	PASS
					20	1.72	0.00069	±2.5	PASS
					30	1.22	0.00049	±2.5	PASS
					40	3.85	0.00154	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
		10	MCH	VN	50	3.22	0.00129	±2.5	PASS
					-30	2.30	0.00091	±2.5	PASS
					-20	4.58	0.00181	±2.5	PASS
					-10	-0.56	-0.00022	±2.5	PASS
					0	5.68	0.00224	±2.5	PASS
					10	3.48	0.00137	±2.5	PASS
					20	5.56	0.00219	±2.5	PASS
					30	1.80	0.00071	±2.5	PASS
					40	3.56	0.0014	±2.5	PASS
			50	3.81	0.0015	±2.5	PASS		
			HCH	VN	-30	0.11	0.00004	±2.5	PASS
					-20	-0.50	-0.00019	±2.5	PASS
					-10	-0.63	-0.00025	±2.5	PASS
					0	1.85	0.00072	±2.5	PASS
					10	4.19	0.00163	±2.5	PASS
					20	1.50	0.00058	±2.5	PASS
					30	6.79	0.00264	±2.5	PASS
					40	8.97	0.00349	±2.5	PASS
		50			2.86	0.00111	±2.5	PASS	
		10	LCH	VN	-30	3.92	0.00156	±2.5	PASS
					-20	4.94	0.00197	±2.5	PASS
					-10	-0.07	-0.00003	±2.5	PASS
					0	1.13	0.00045	±2.5	PASS
					10	2.45	0.00098	±2.5	PASS
					20	2.55	0.00102	±2.5	PASS
					30	1.13	0.00045	±2.5	PASS
					40	-1.16	-0.00046	±2.5	PASS
					50	2.85	0.00114	±2.5	PASS
			MCH	VN	-30	4.21	0.00166	±2.5	PASS
					-20	-5.38	-0.00212	±2.5	PASS
					-10	-2.53	-0.001	±2.5	PASS
					0	1.09	0.00043	±2.5	PASS
					10	4.69	0.00185	±2.5	PASS
					20	2.55	0.00101	±2.5	PASS
					30	3.23	0.00127	±2.5	PASS
					40	1.89	0.00075	±2.5	PASS
					50	1.47	0.00058	±2.5	PASS
		HCH	VN	-30	-0.01	0	±2.5	PASS	
				-20	2.43	0.00095	±2.5	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict		
					-10	3.55	0.00138	±2.5	PASS		
					0	-2.17	-0.00085	±2.5	PASS		
					10	-1.06	-0.00041	±2.5	PASS		
					20	4.41	0.00172	±2.5	PASS		
					30	-1.02	-0.0004	±2.5	PASS		
					40	-0.47	-0.00018	±2.5	PASS		
					50	7.52	0.00293	±2.5	PASS		
		15	LCH	VN	-30	1.16	0.00046	±2.5	PASS		
					-20	2.00	0.0008	±2.5	PASS		
					-10	1.92	0.00077	±2.5	PASS		
					0	-0.26	-0.0001	±2.5	PASS		
					10	0.72	0.00029	±2.5	PASS		
					20	0.99	0.00039	±2.5	PASS		
					30	2.02	0.00081	±2.5	PASS		
					40	-0.73	-0.00029	±2.5	PASS		
					50	5.68	0.00227	±2.5	PASS		
					MCH	VN	-30	2.72	0.00107	±2.5	PASS
							-20	-3.28	-0.00129	±2.5	PASS
							-10	-3.88	-0.00153	±2.5	PASS
							0	-2.22	-0.00088	±2.5	PASS
							10	1.16	0.00046	±2.5	PASS
		20	2.85	0.00112			±2.5	PASS			
		30	0.74	0.00029			±2.5	PASS			
		HCH	VN	-30	-2.75	-0.00107	±2.5	PASS			
				-20	9.46	0.00369	±2.5	PASS			
				-10	-6.27	-0.00245	±2.5	PASS			
				0	1.82	0.00071	±2.5	PASS			
				10	2.42	0.00094	±2.5	PASS			
				20	1.12	0.00044	±2.5	PASS			
				30	-1.20	-0.00047	±2.5	PASS			
		20	LCH	VN	-30	7.08	0.00282	±2.5	PASS		
					-20	4.35	0.00173	±2.5	PASS		
					-10	-0.27	-0.00011	±2.5	PASS		
					0	5.95	0.00237	±2.5	PASS		
					10	0.20	0.00008	±2.5	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					20	3.30	0.00131	±2.5	PASS
					30	1.22	0.00049	±2.5	PASS
					40	-1.42	-0.00057	±2.5	PASS
					50	-1.43	-0.00057	±2.5	PASS
			MCH	VN	-30	2.03	0.0008	±2.5	PASS
					-20	3.81	0.0015	±2.5	PASS
					-10	4.45	0.00176	±2.5	PASS
					0	-3.49	-0.00138	±2.5	PASS
					10	0.84	0.00033	±2.5	PASS
					20	0.27	0.00011	±2.5	PASS
					30	3.60	0.00142	±2.5	PASS
					40	0.62	0.00024	±2.5	PASS
					50	2.20	0.00087	±2.5	PASS
			HCH	VN	-30	1.39	0.00054	±2.5	PASS
					-20	3.65	0.00143	±2.5	PASS
					-10	-2.05	-0.0008	±2.5	PASS
					0	0.04	0.00002	±2.5	PASS
					10	-2.23	-0.00087	±2.5	PASS
					20	-1.86	-0.00073	±2.5	PASS
					30	3.91	0.00153	±2.5	PASS
					40	0.14	0.00005	±2.5	PASS
			50	0.41	0.00016	±2.5	PASS		

END