

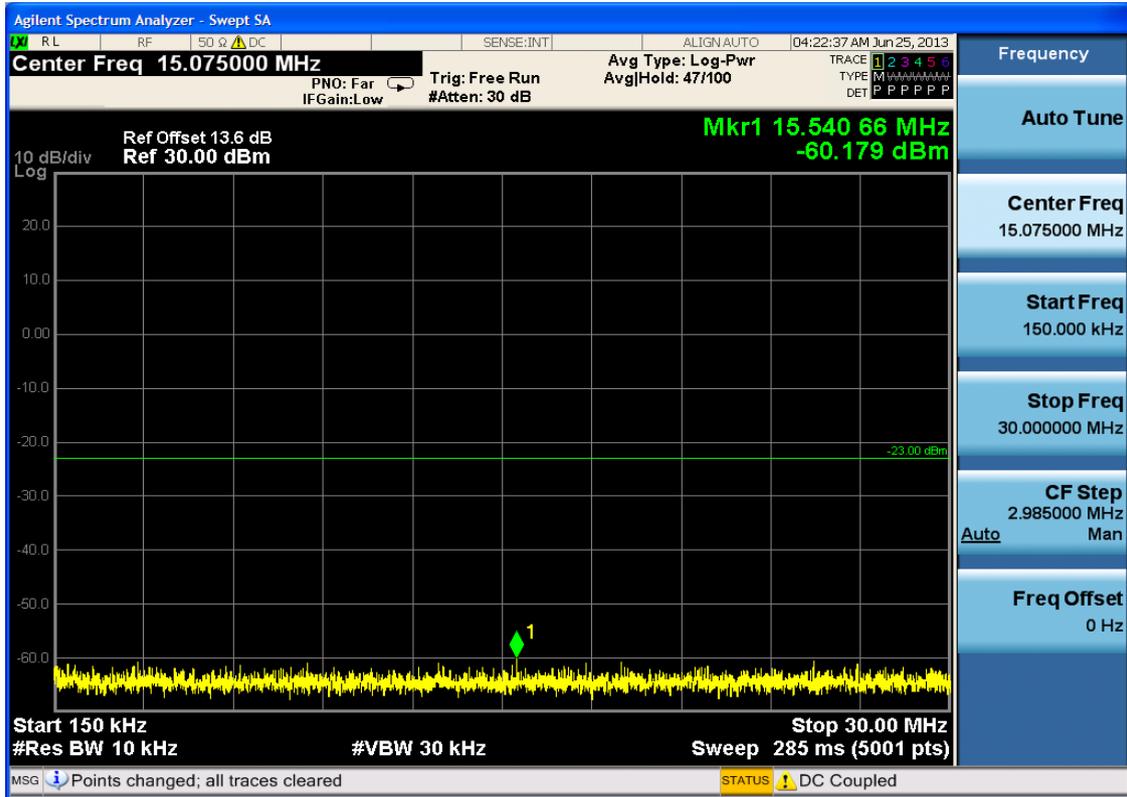


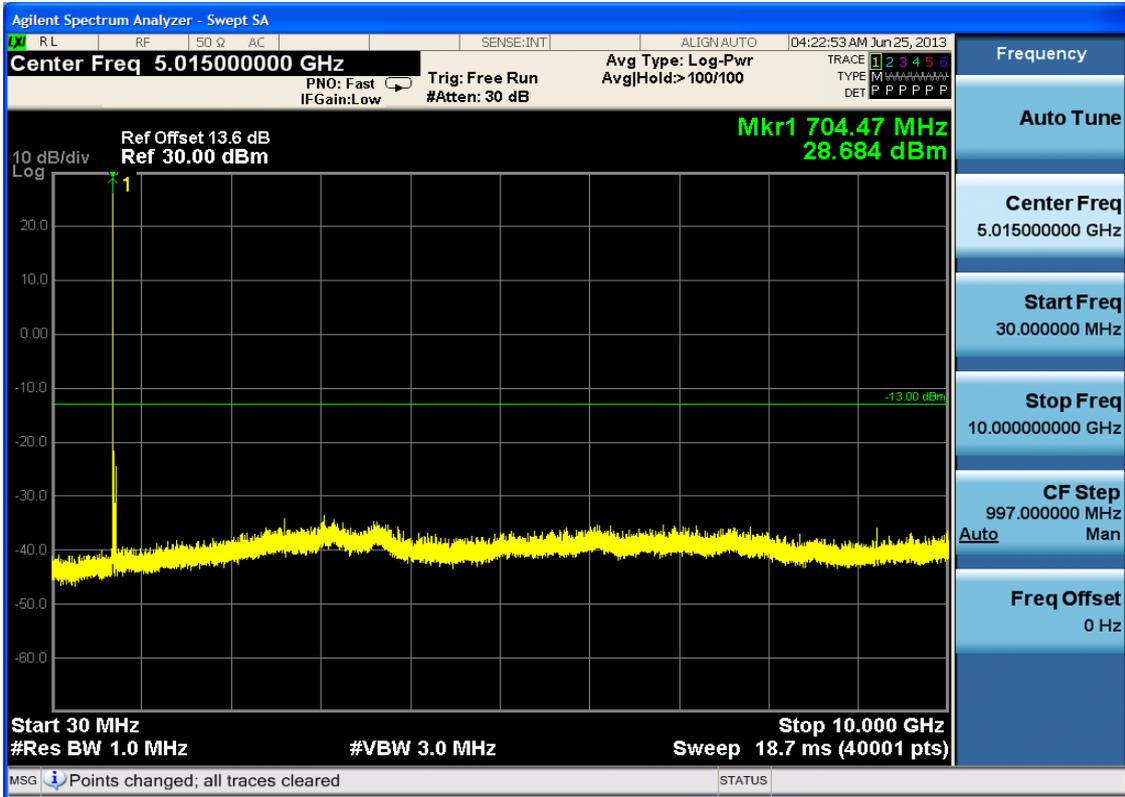
6.3.4.1.2 Test Bandwidth = 10

6.3.4.1.2.1 Test Channel = LCH

6.3.4.1.2.1.1 Test RB = RB1#0



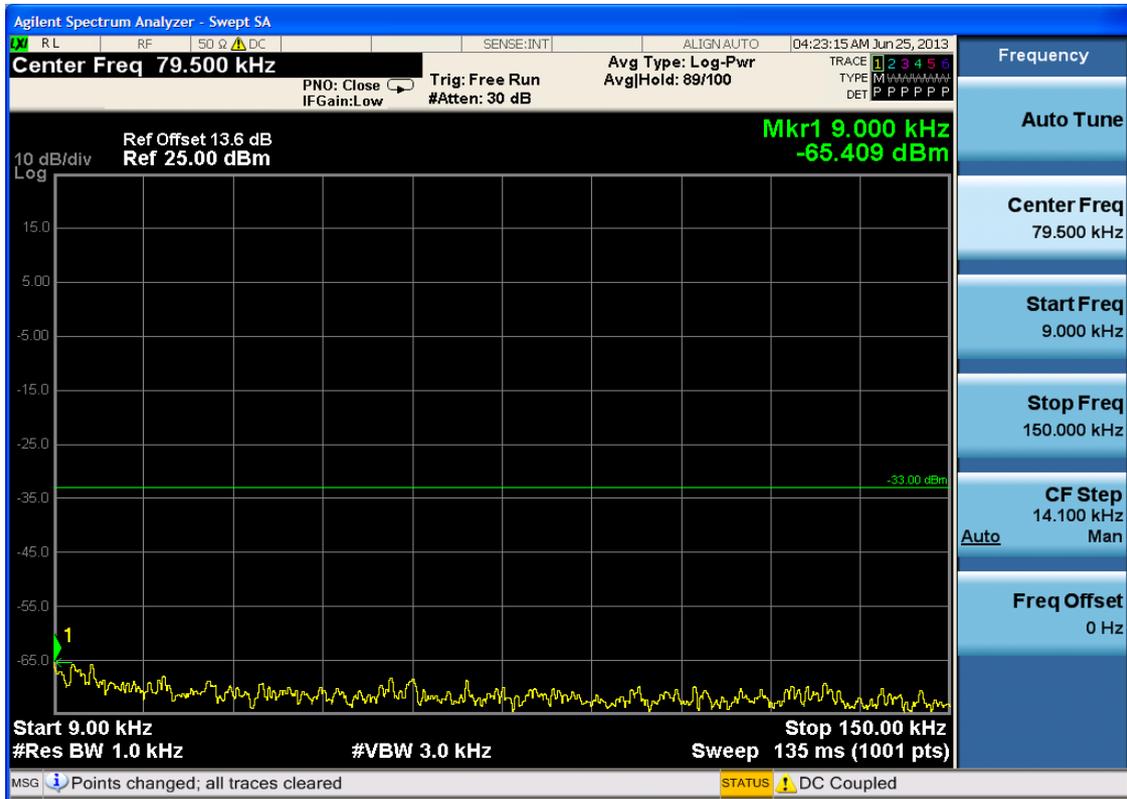


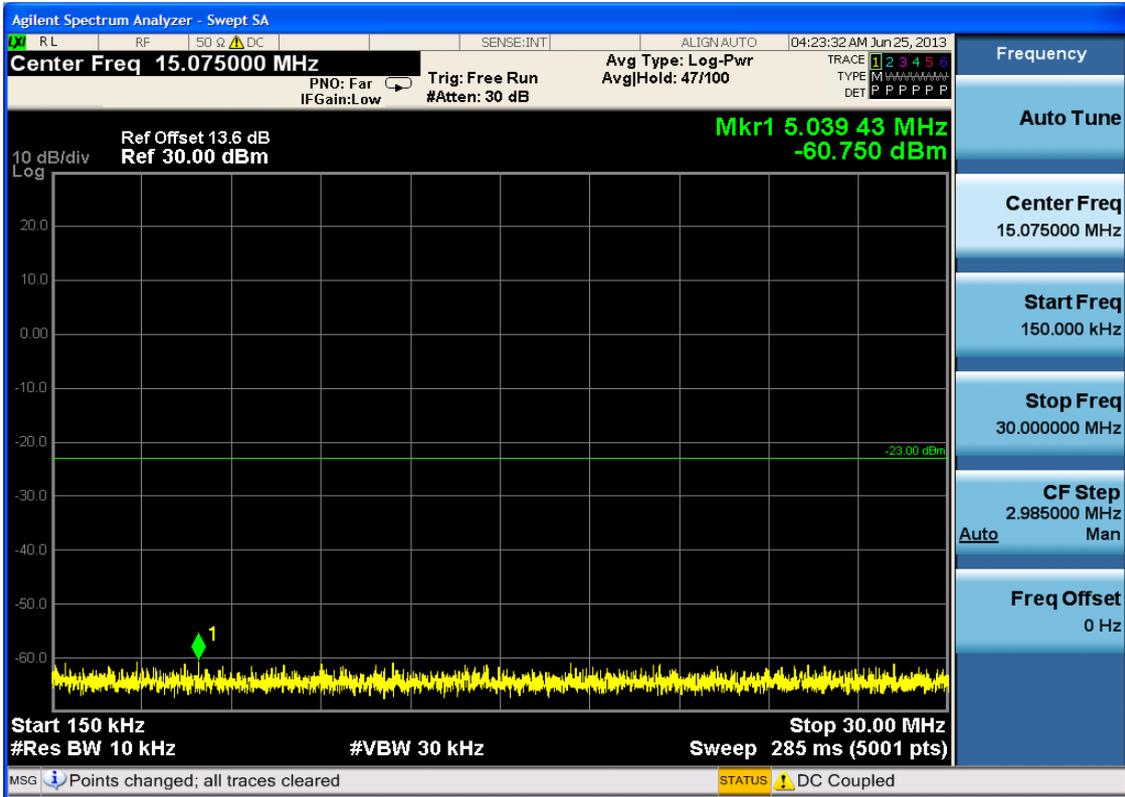


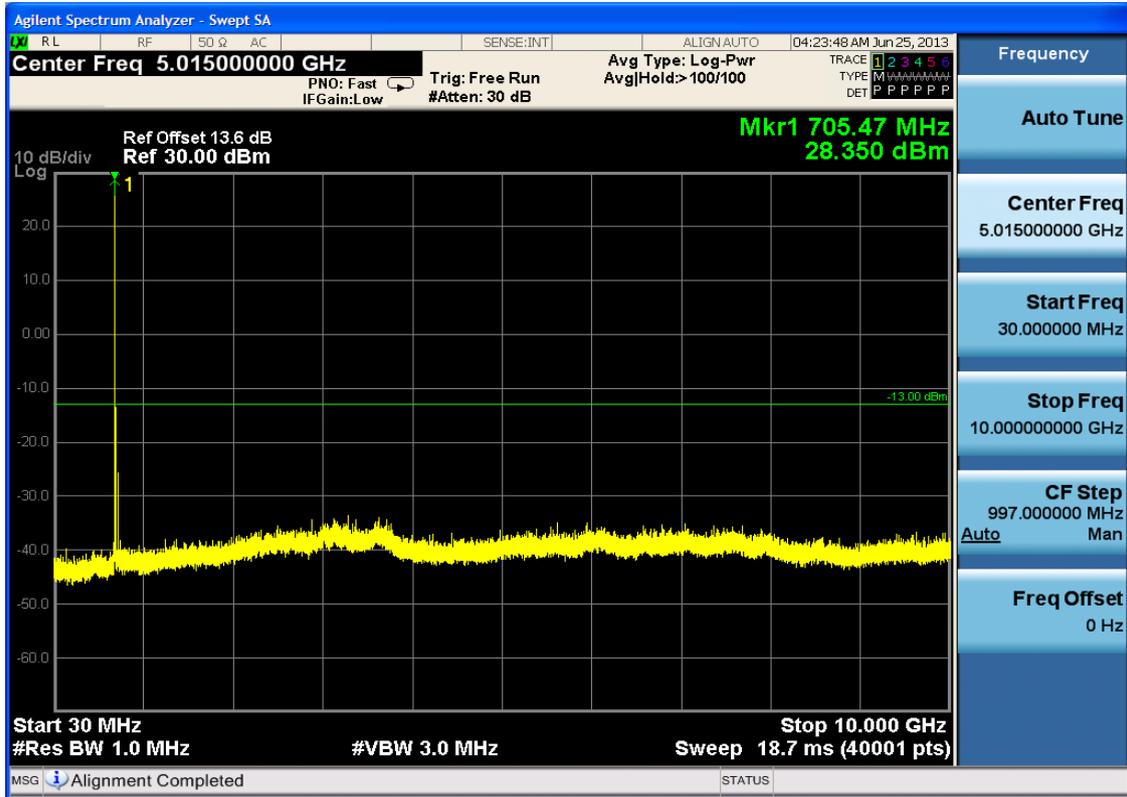


6.3.4.1.2.2 Test Channel = MCH

6.3.4.1.2.2.1 Test RB = RB1#0



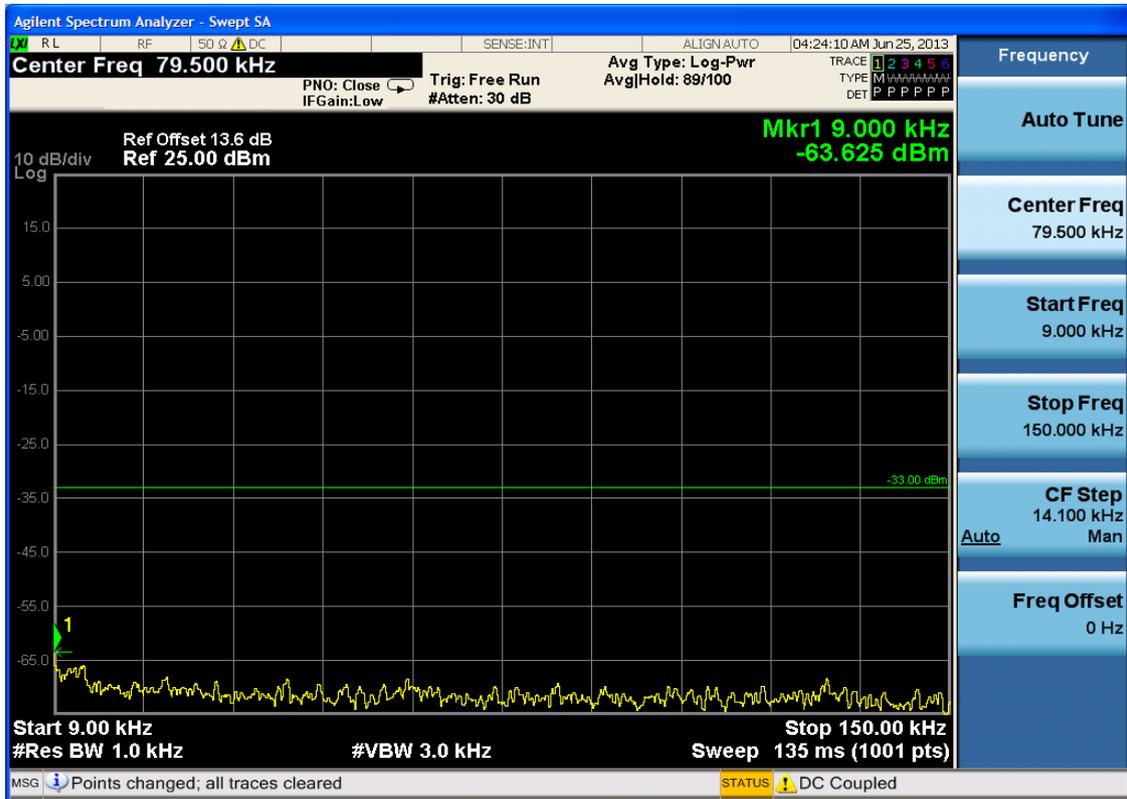


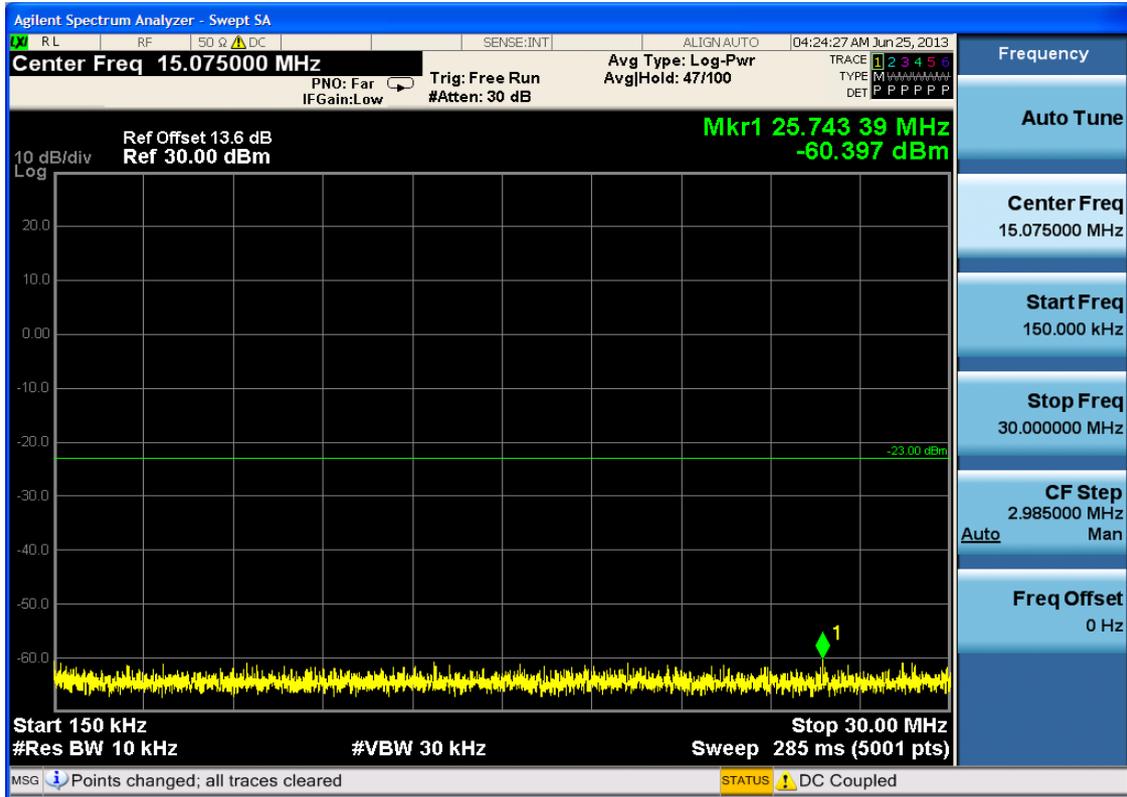


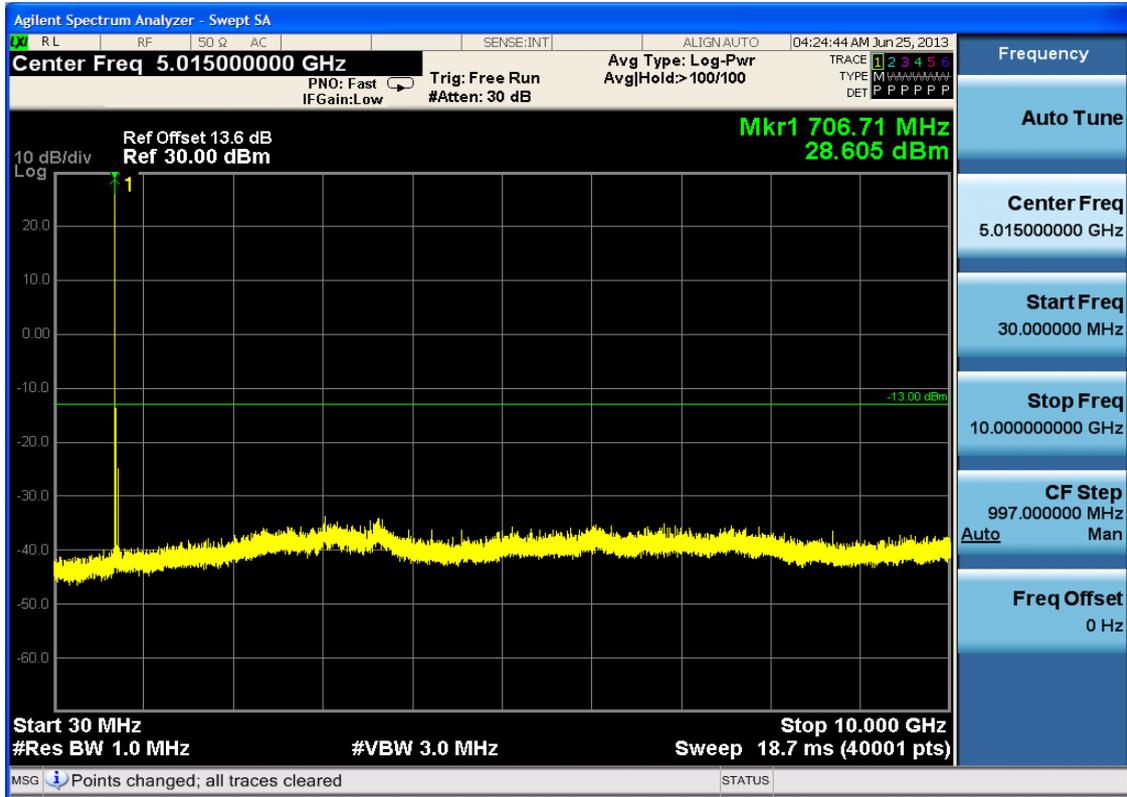


6.3.4.1.2.3 Test Channel = HCH

6.3.4.1.2.3.1 Test RB = RB1#0







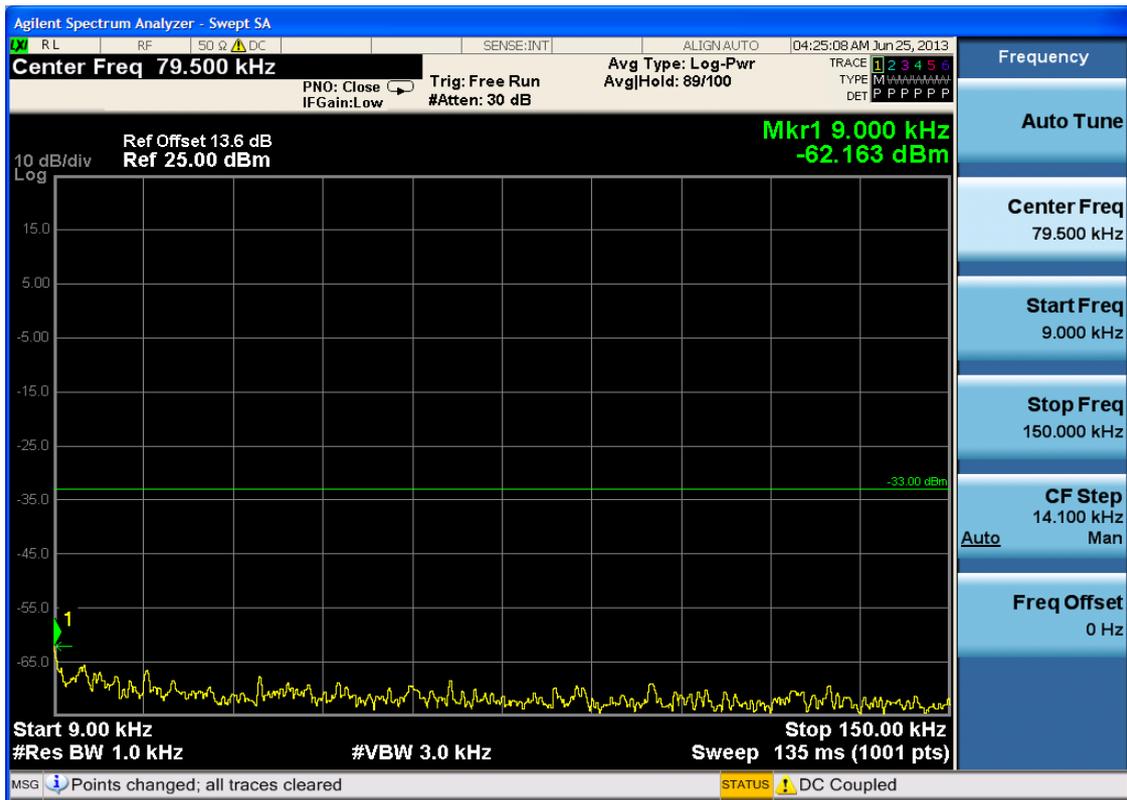


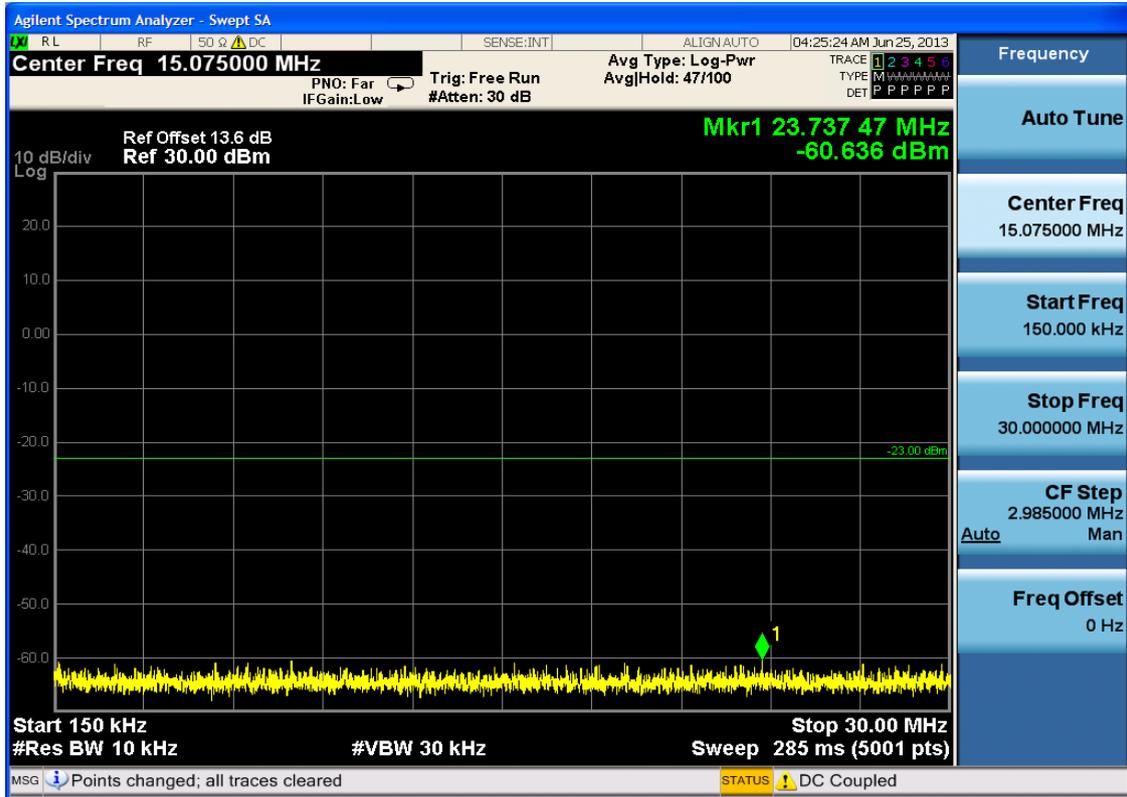
6.3.4.2 Test Mode = LTE/TM2

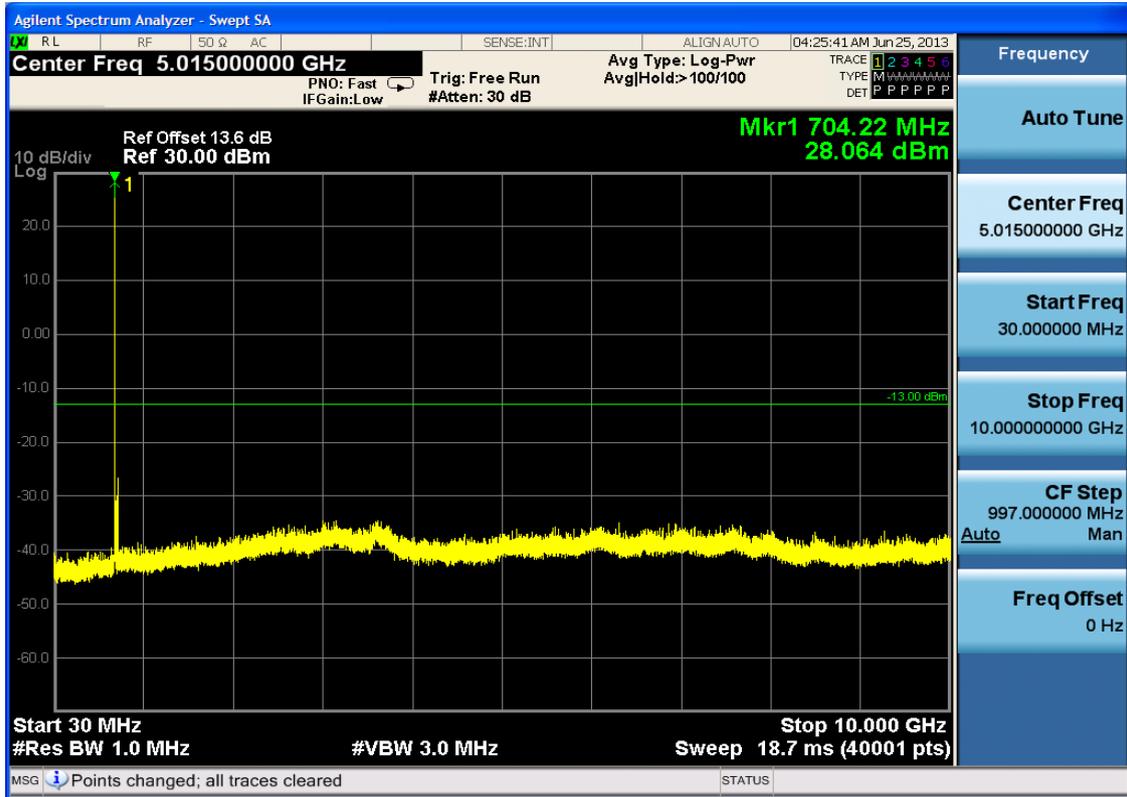
6.3.4.2.1 Test Bandwidth = 5

6.3.4.2.1.1 Test Channel = LCH

6.3.4.2.1.1.1 Test RB = RB1#0





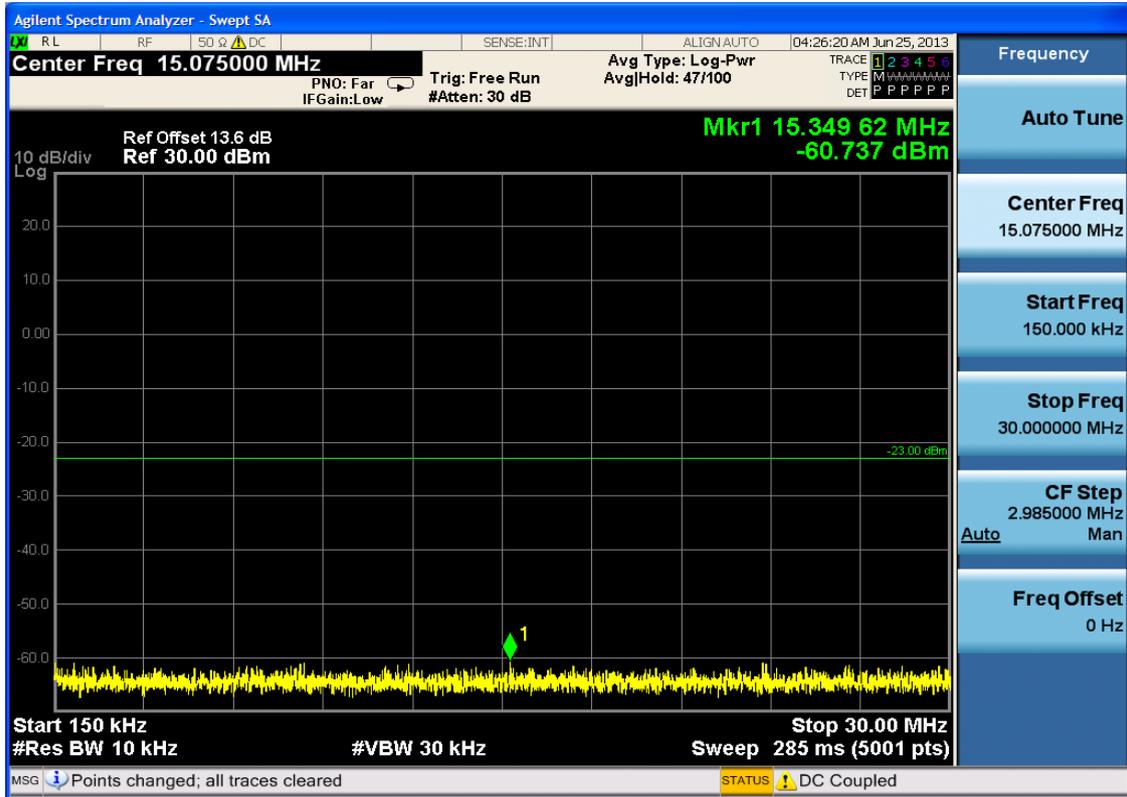


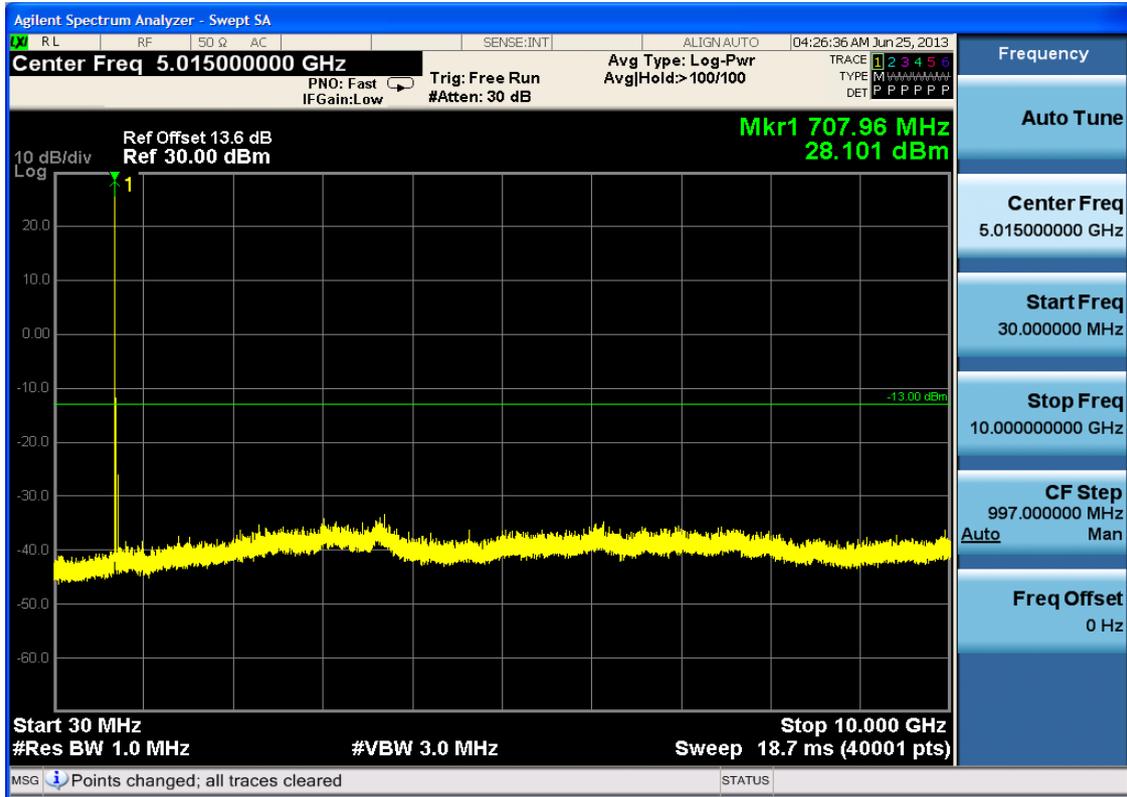


6.3.4.2.1.2 Test Channel = MCH

6.3.4.2.1.2.1 Test RB = RB1#0



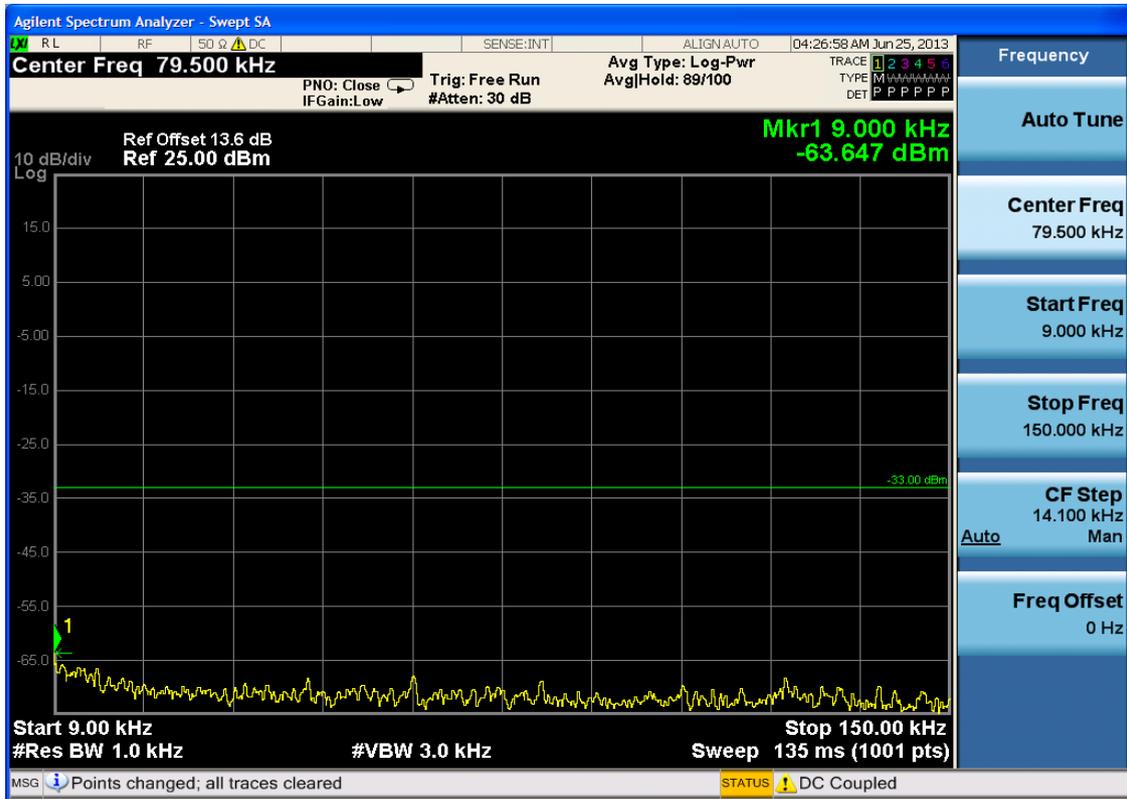


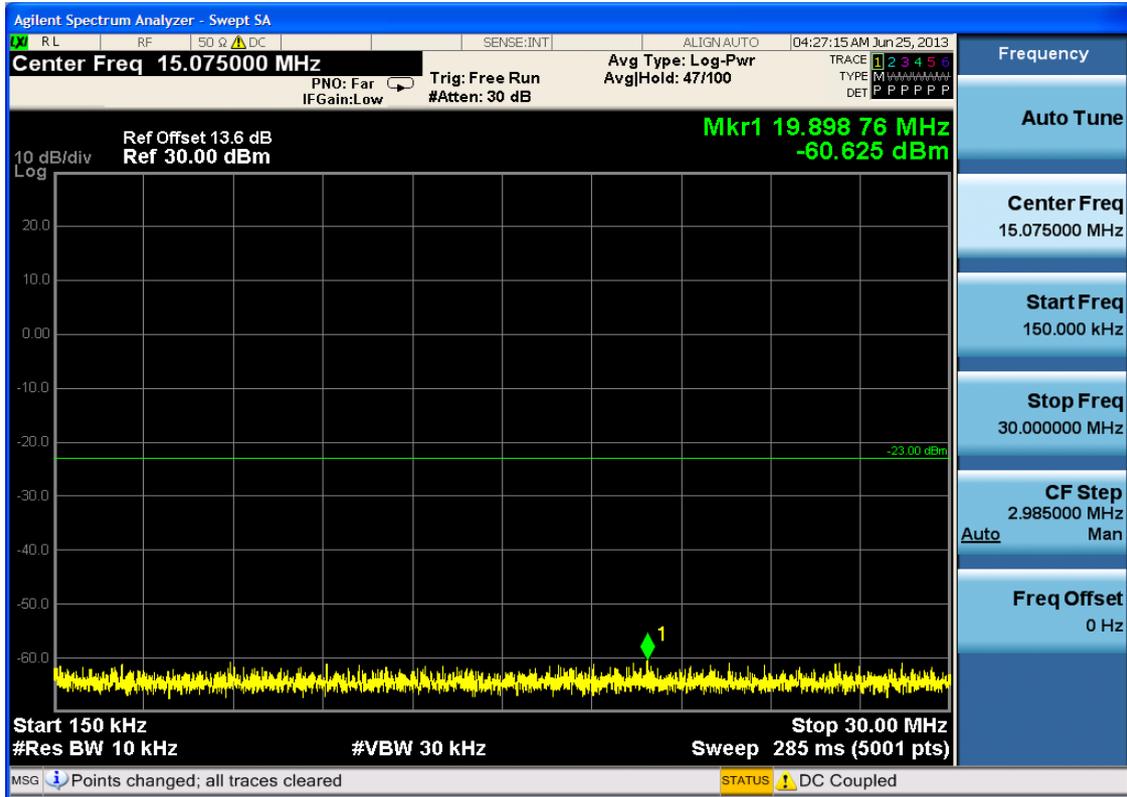


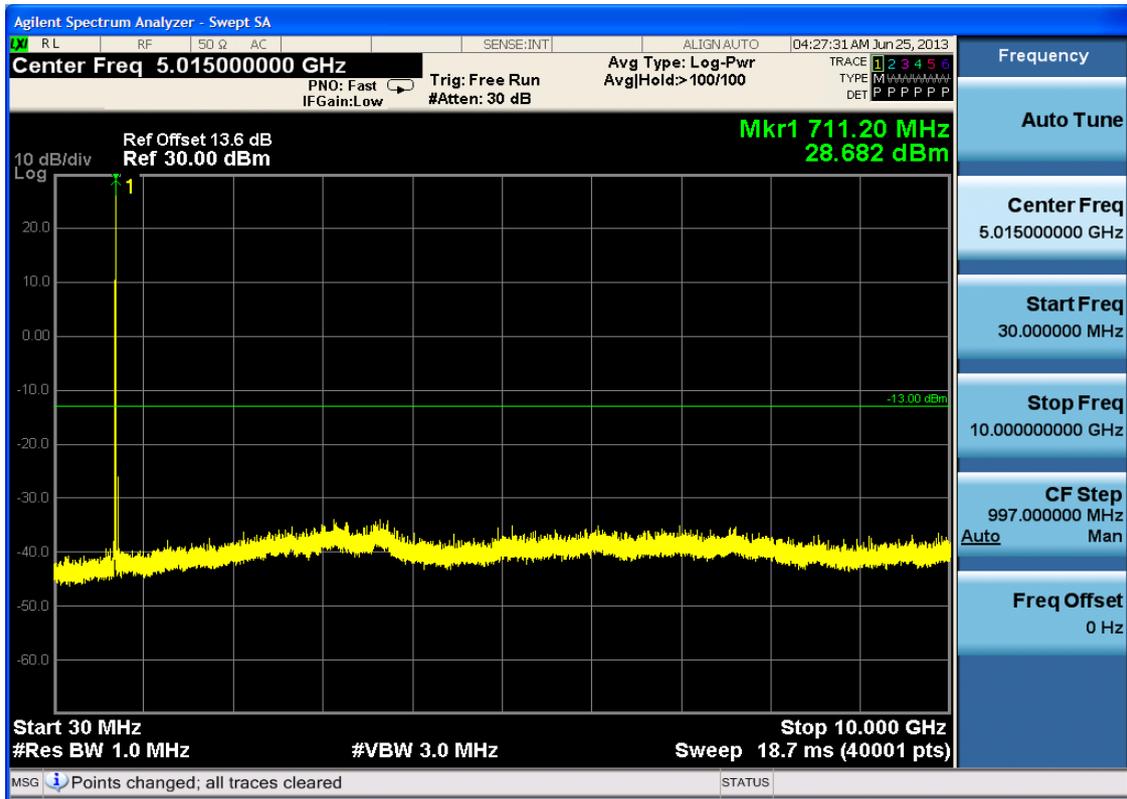


6.3.4.2.1.3 Test Channel = HCH

6.3.4.2.1.3.1 Test RB = RB1#0





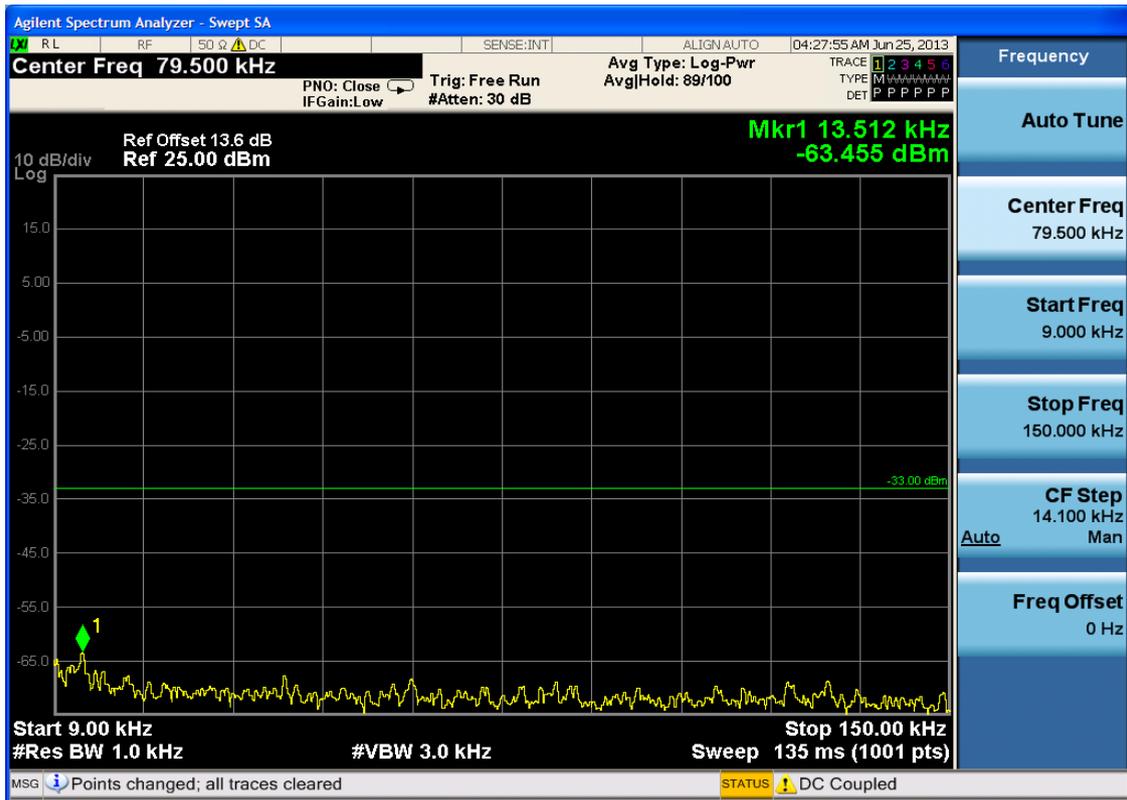


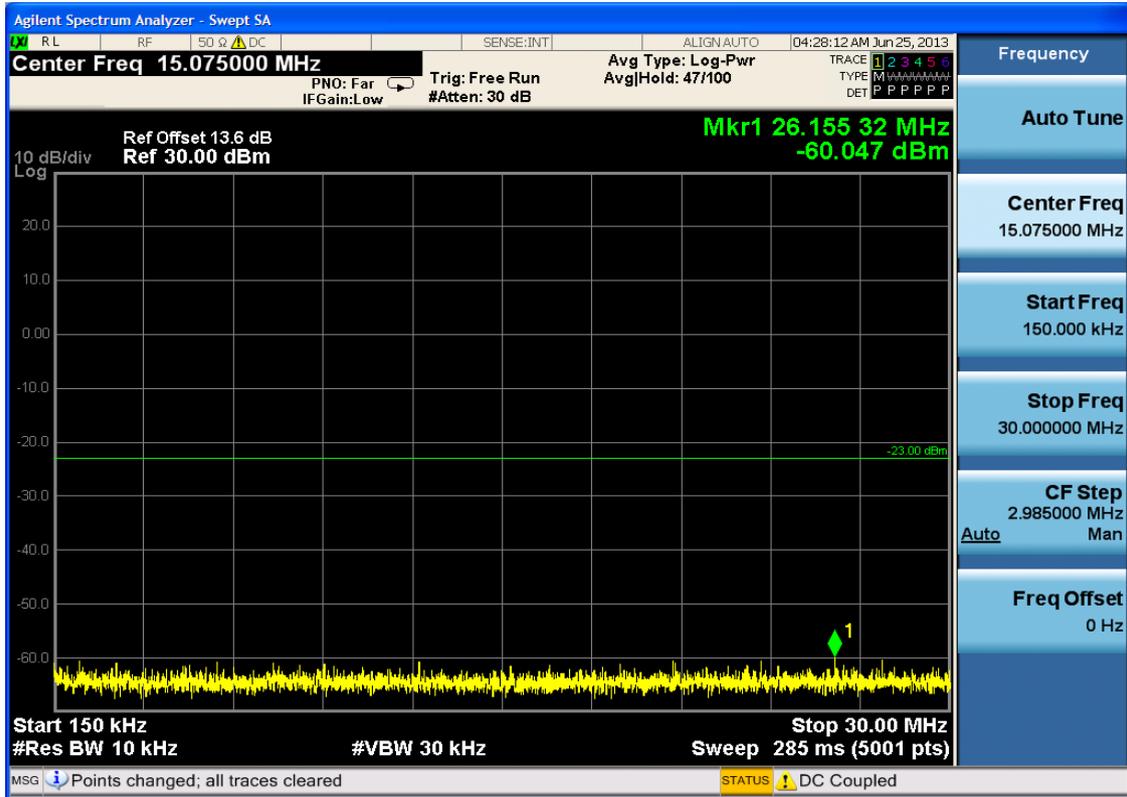


6.3.4.2.2 Test Bandwidth = 10

6.3.4.2.2.1 Test Channel = LCH

6.3.4.2.2.1.1 Test RB = RB1#0



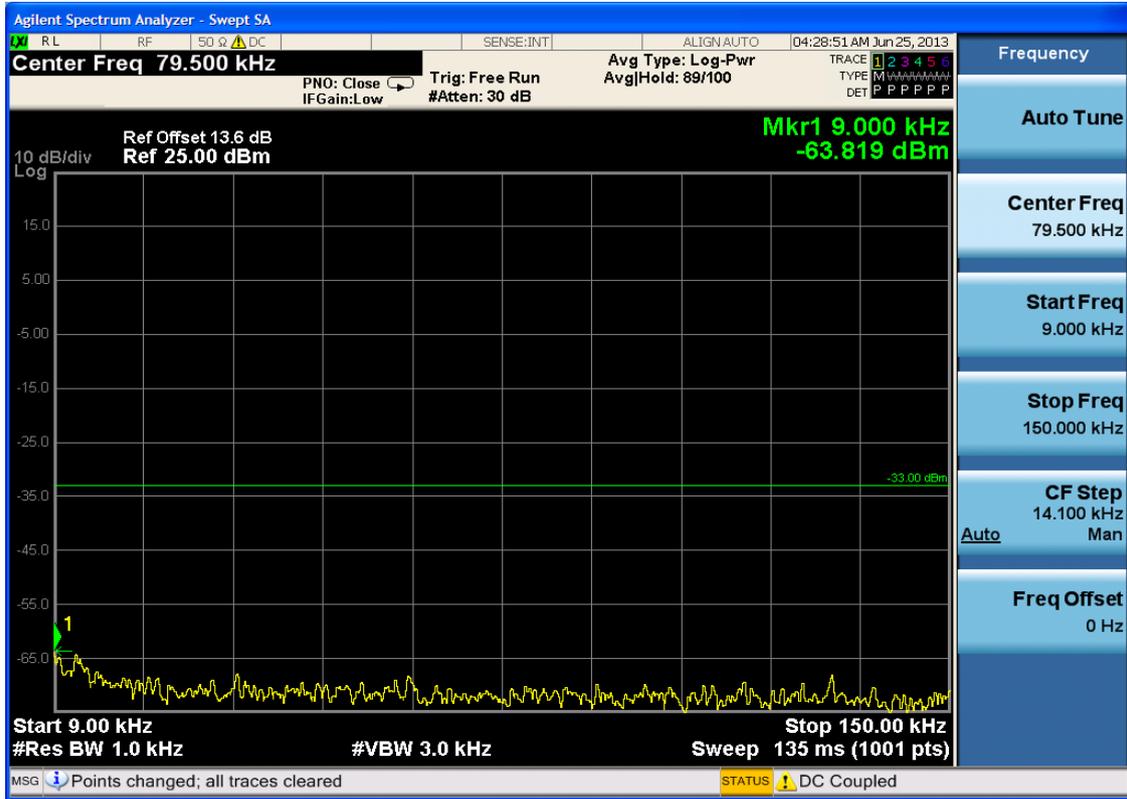


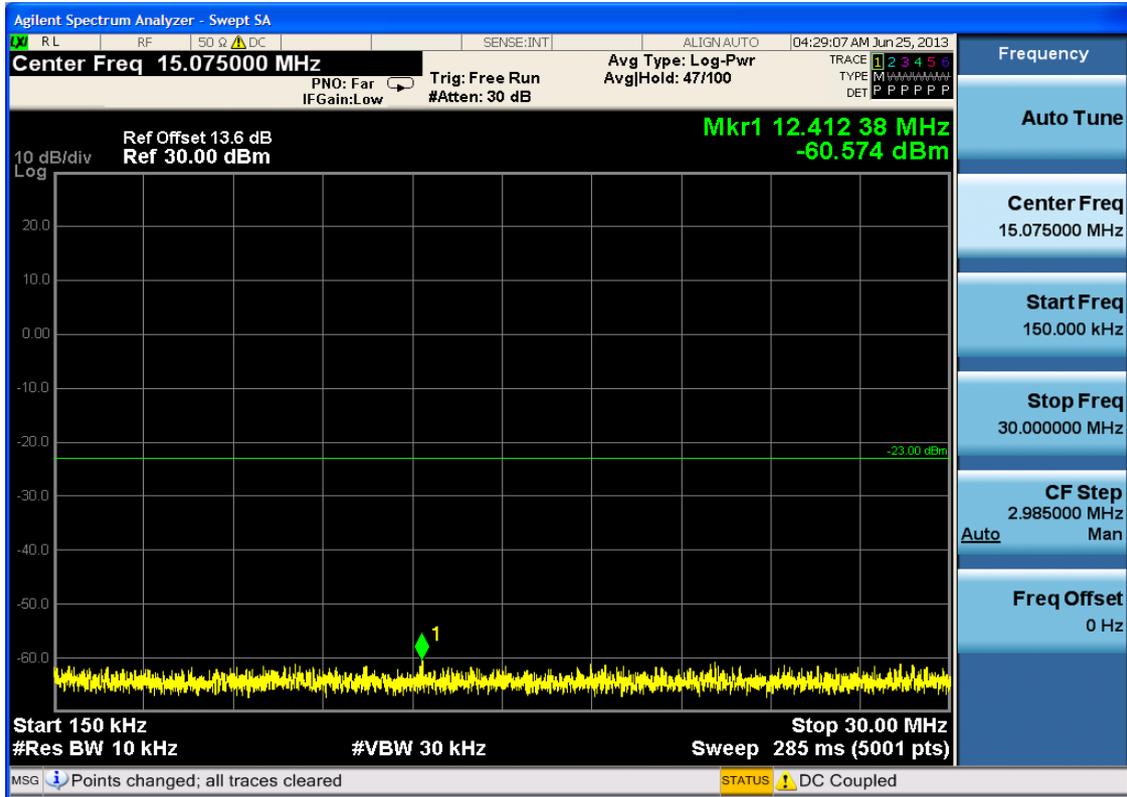


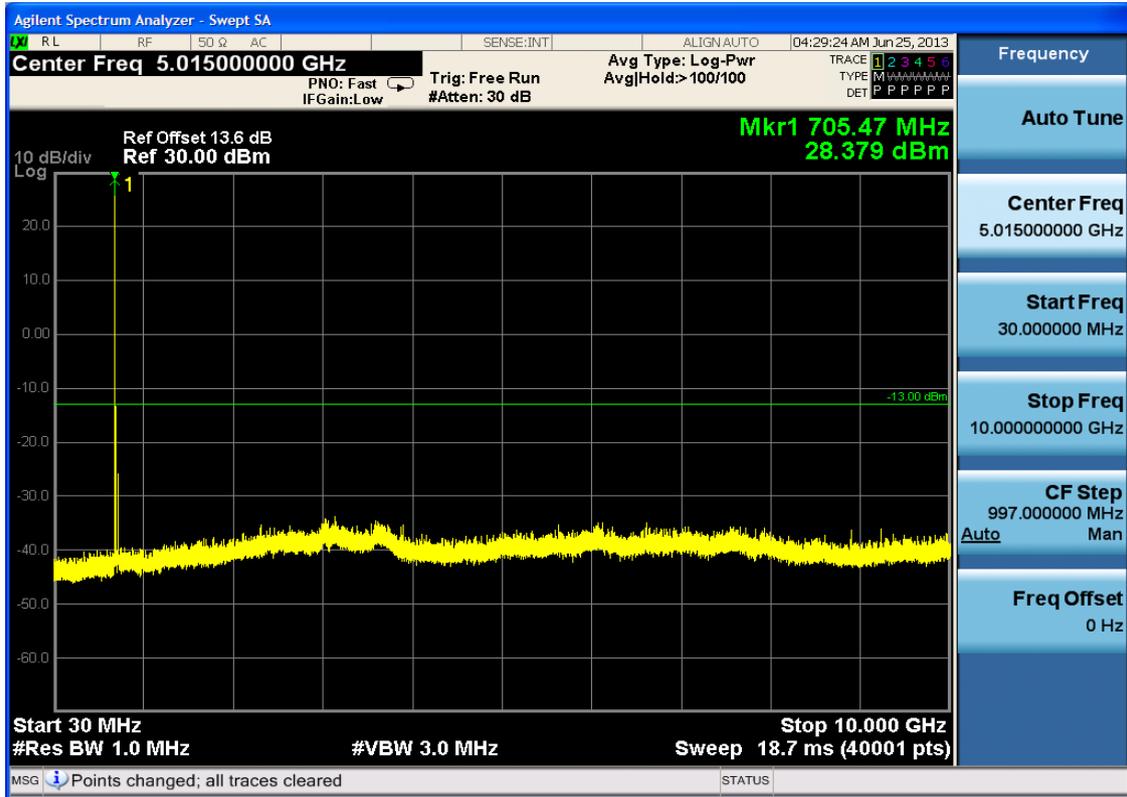


6.3.4.2.2.2 Test Channel = MCH

6.3.4.2.2.2.1 Test RB = RB1#0







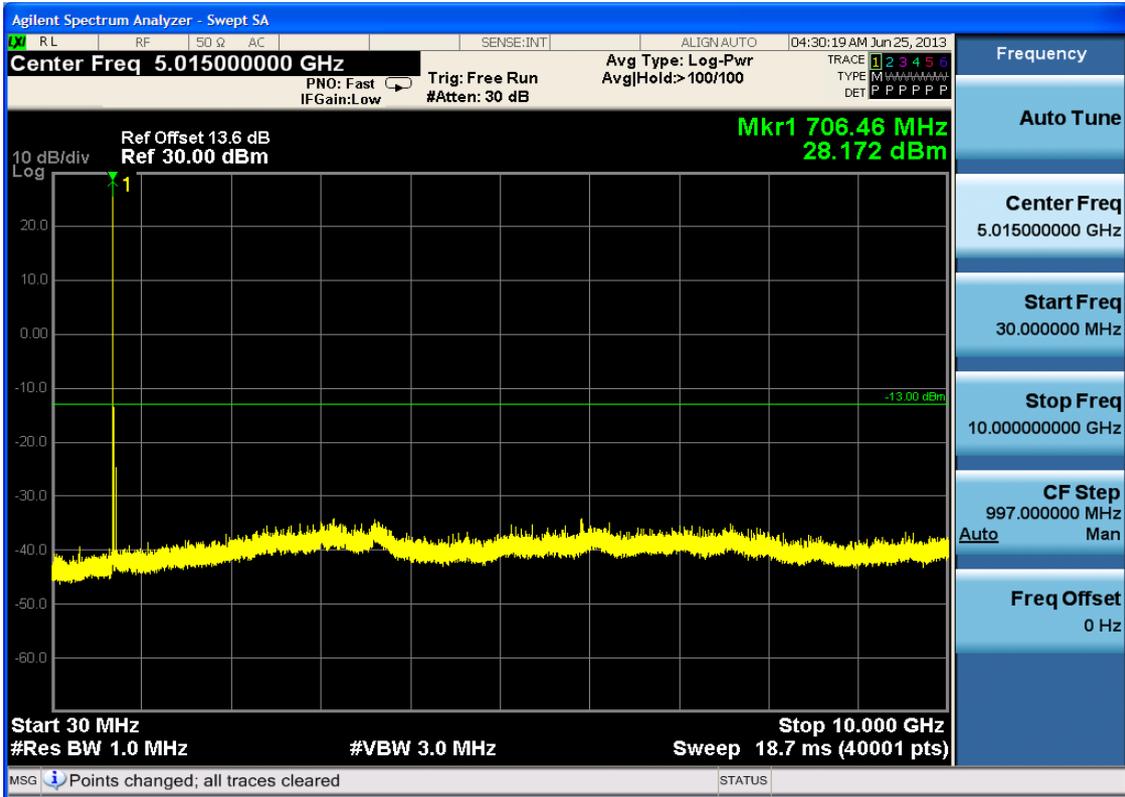


6.3.4.2.2.3 Test Channel = HCH

6.3.4.2.2.3.1 Test RB = RB1#0







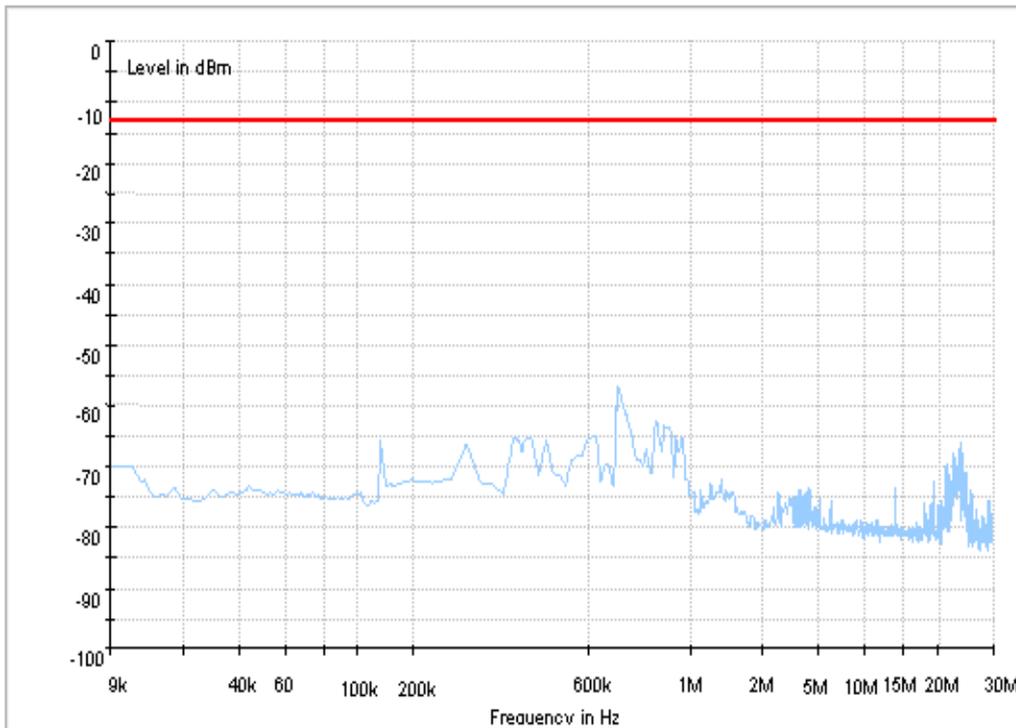
7Appendix_G: Field Strength of Spurious Radiation

Part I - Test Plots

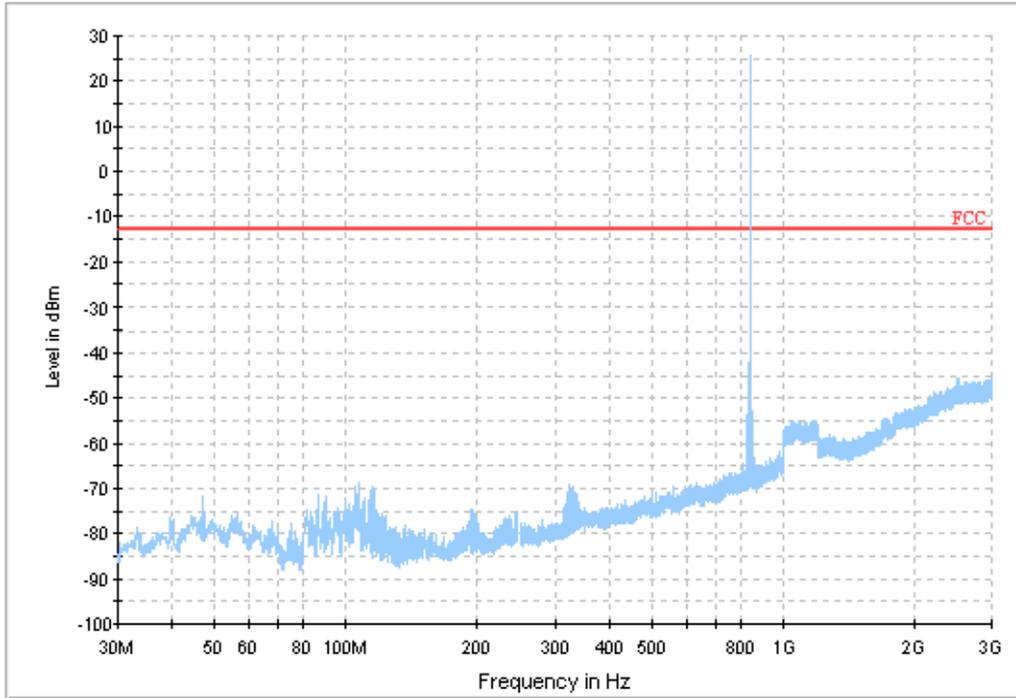
7.1 For GSM

7.1.1 Test Band = GSM850

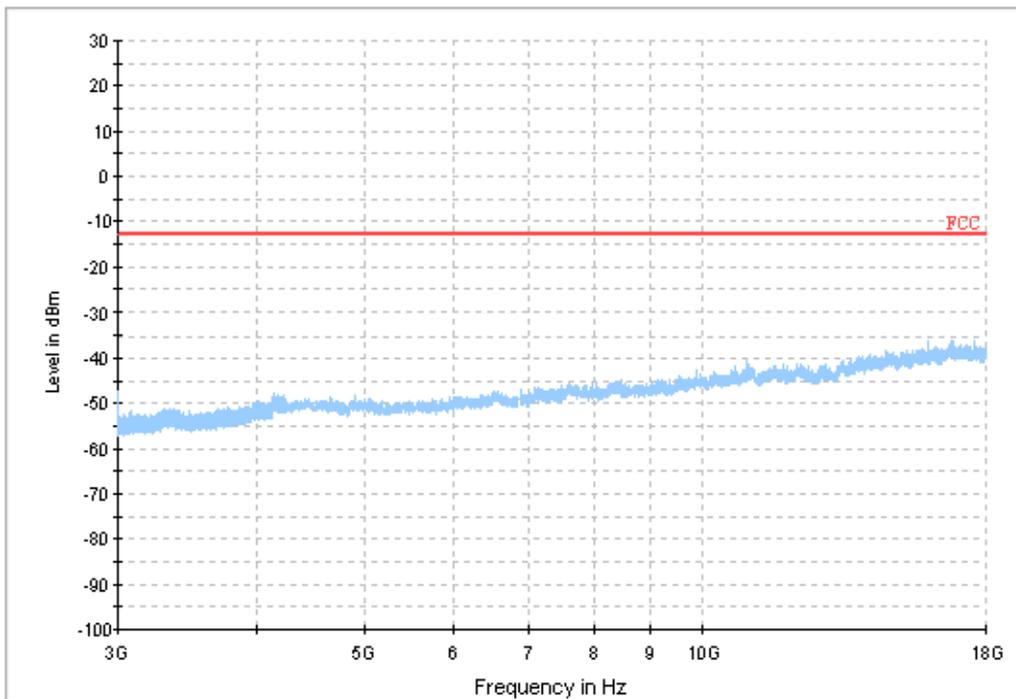
7.1.1.1 Test Mode = GSM/TM1



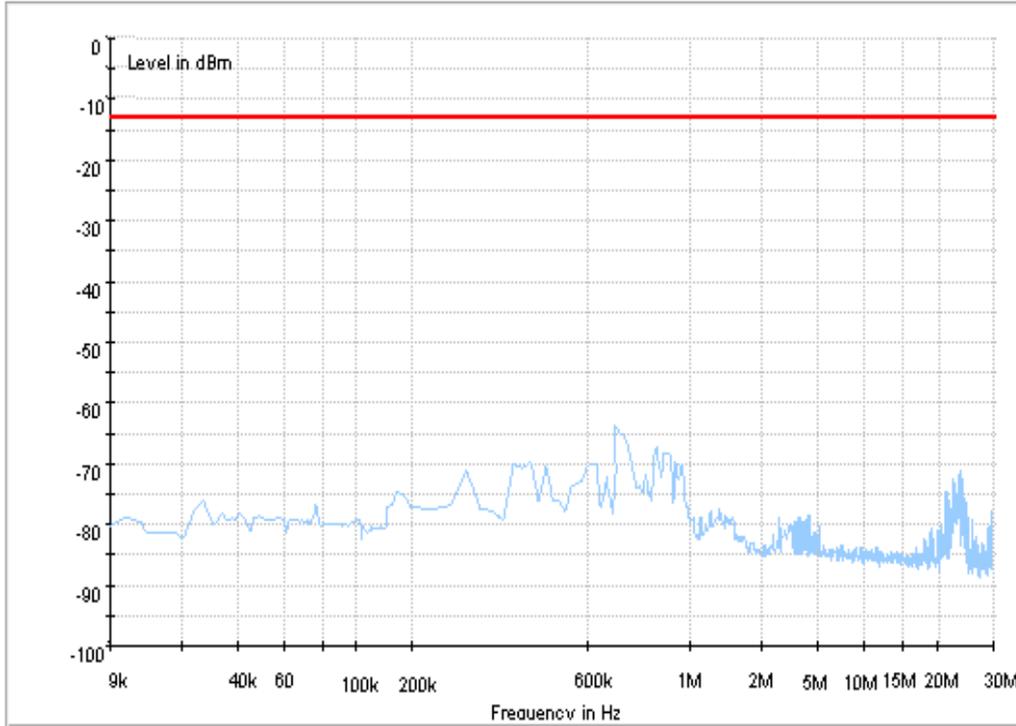
Copy of FCC PART22 GSM850_L



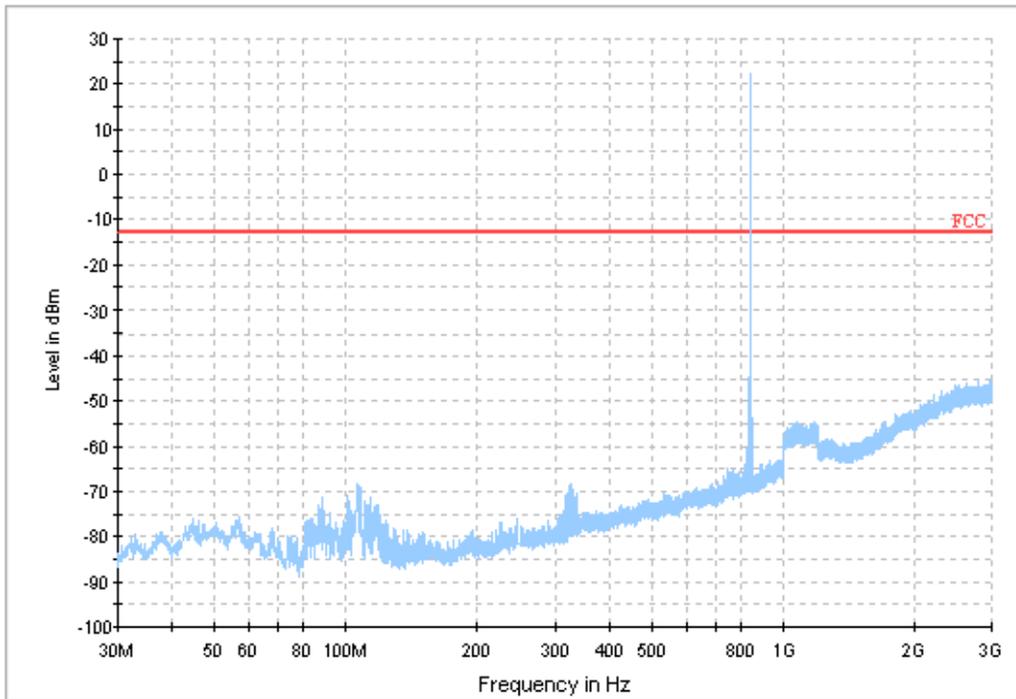
Copy of FCC PART22 GSM850_H



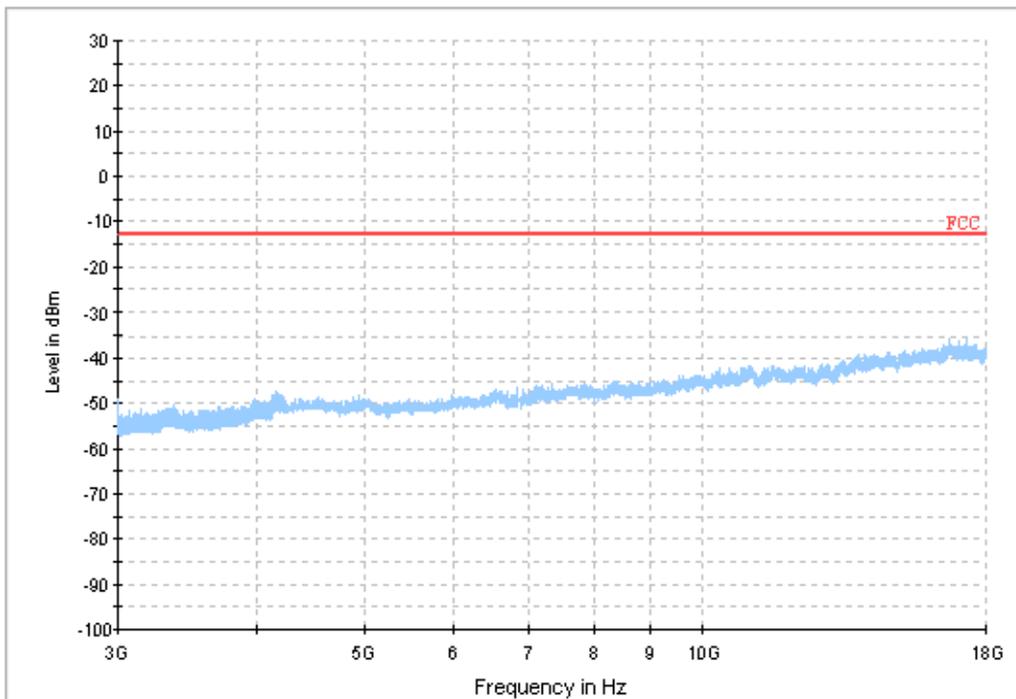
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850_L

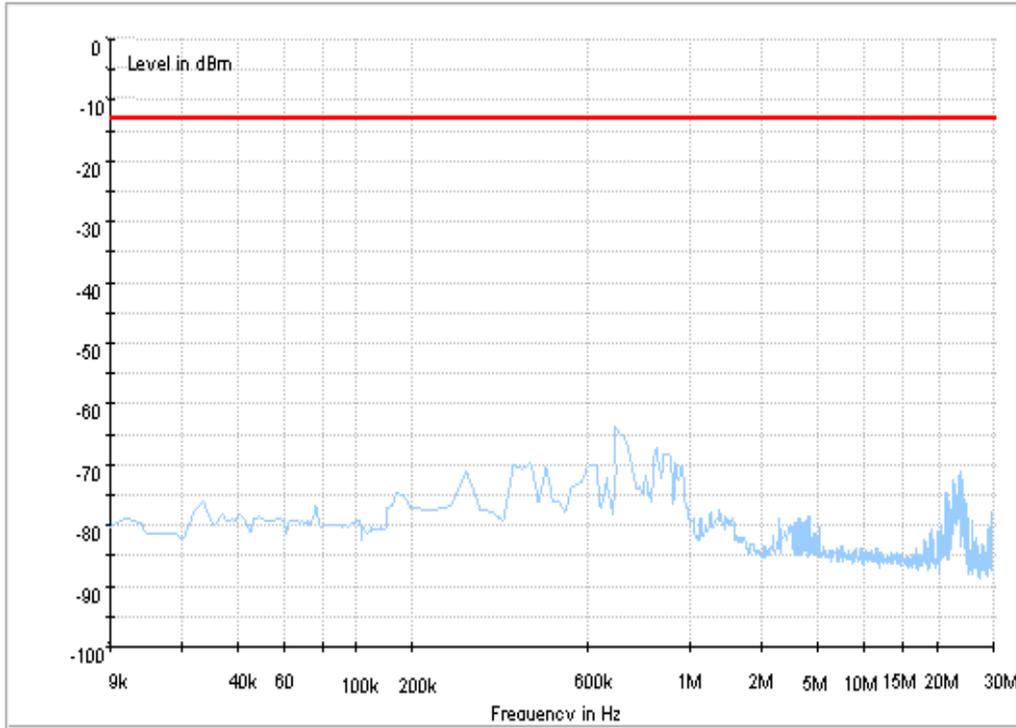


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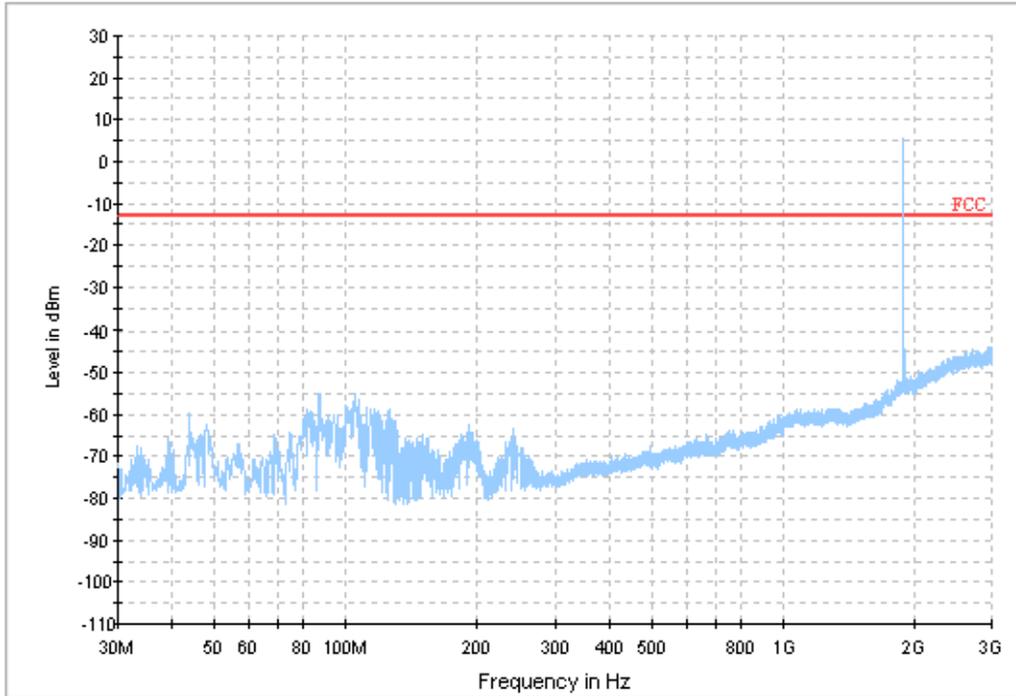


7.1.2 Test Band = GSM1900

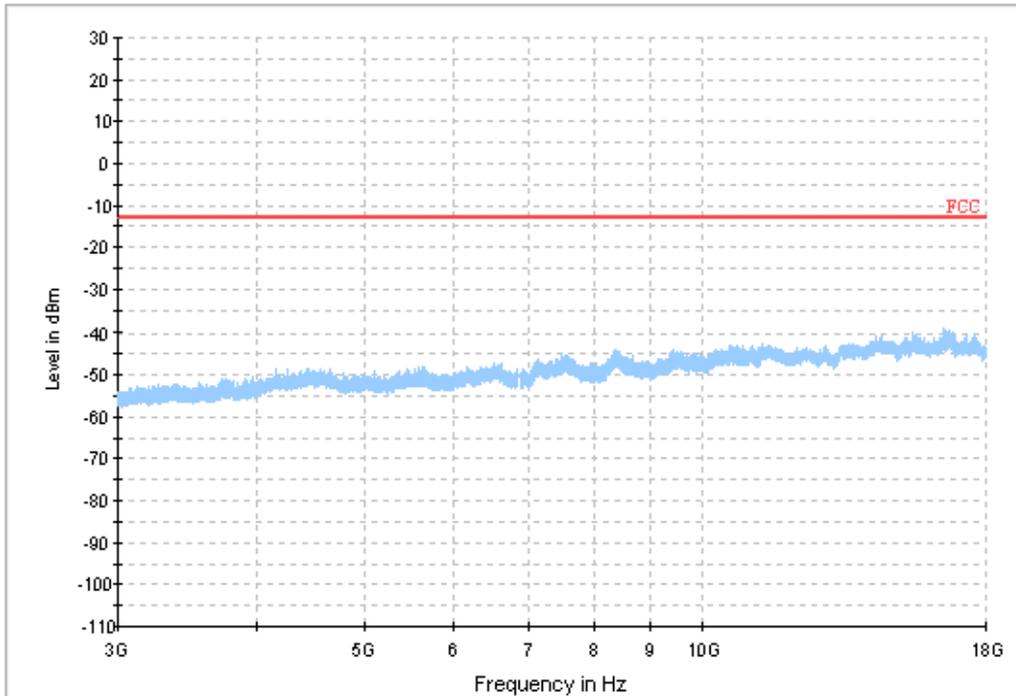
7.1.2.1 Test Mode = GSM/TM1

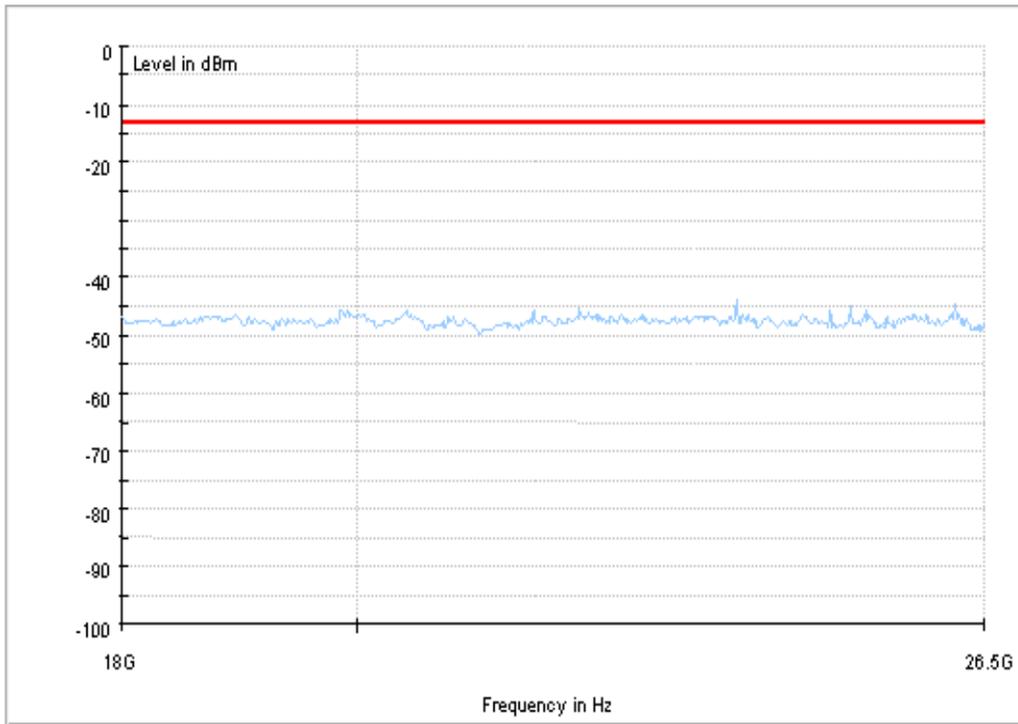


Copy of FCC PART24 GSM1900_L

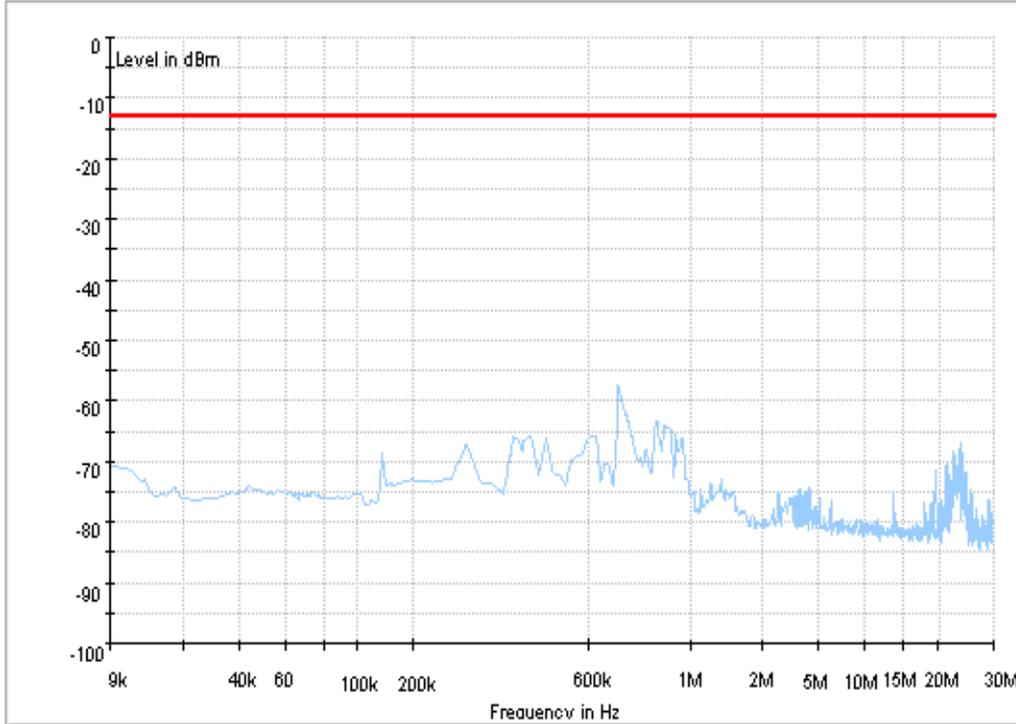


Copy of FCC PART24 GSM1900_H

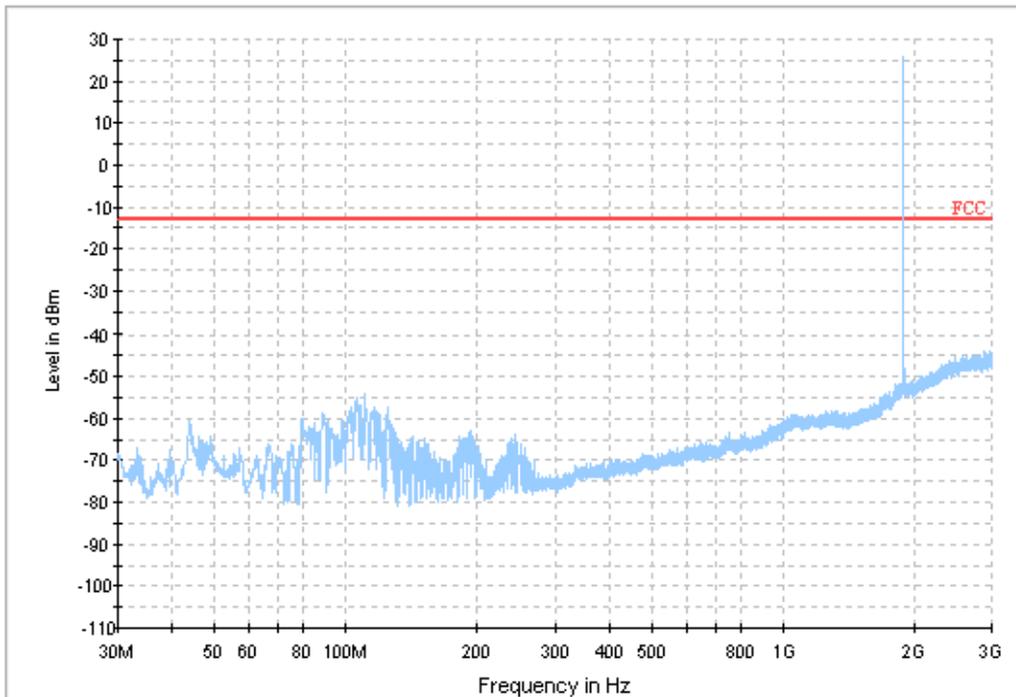




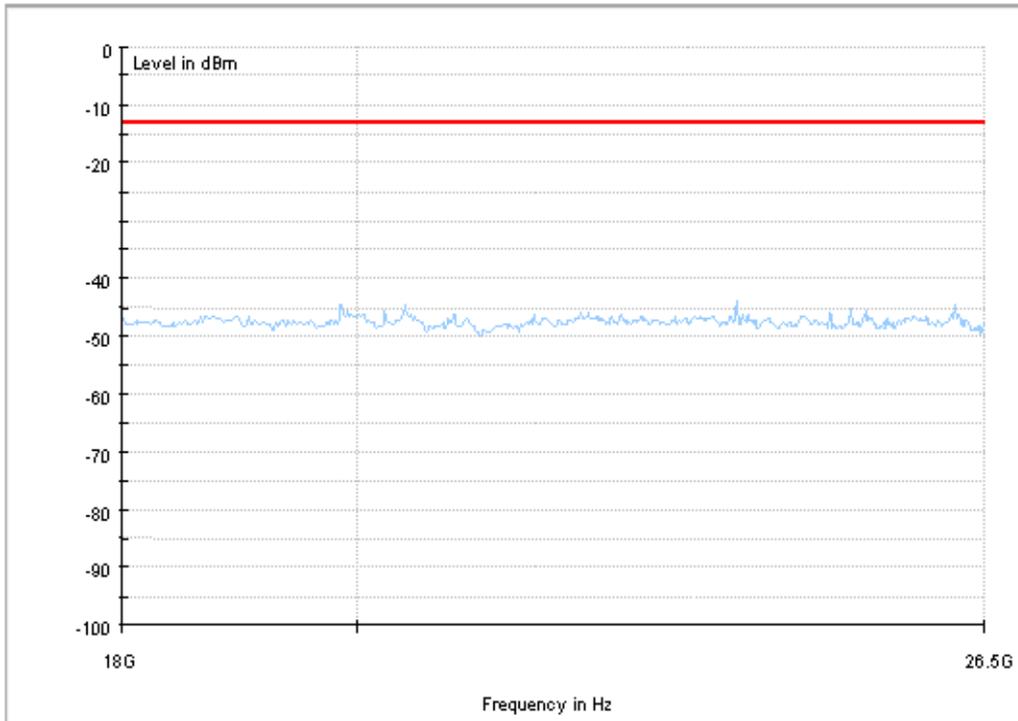
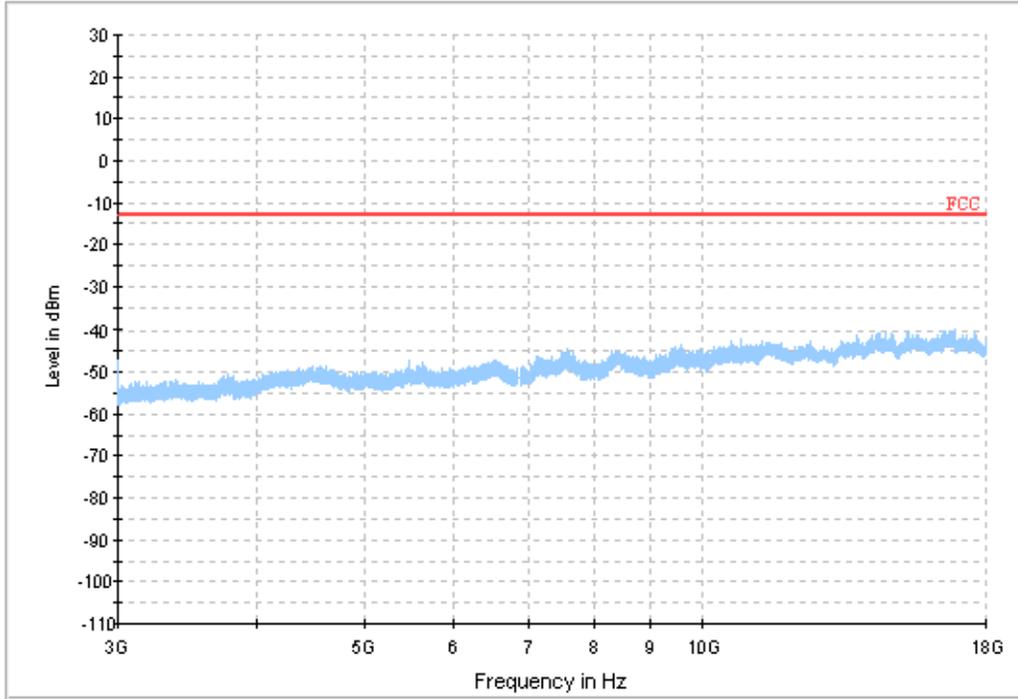
7.1.2.2 Test Mode = GSM/TM2



Copy of FCC PART24 GSM1900_L



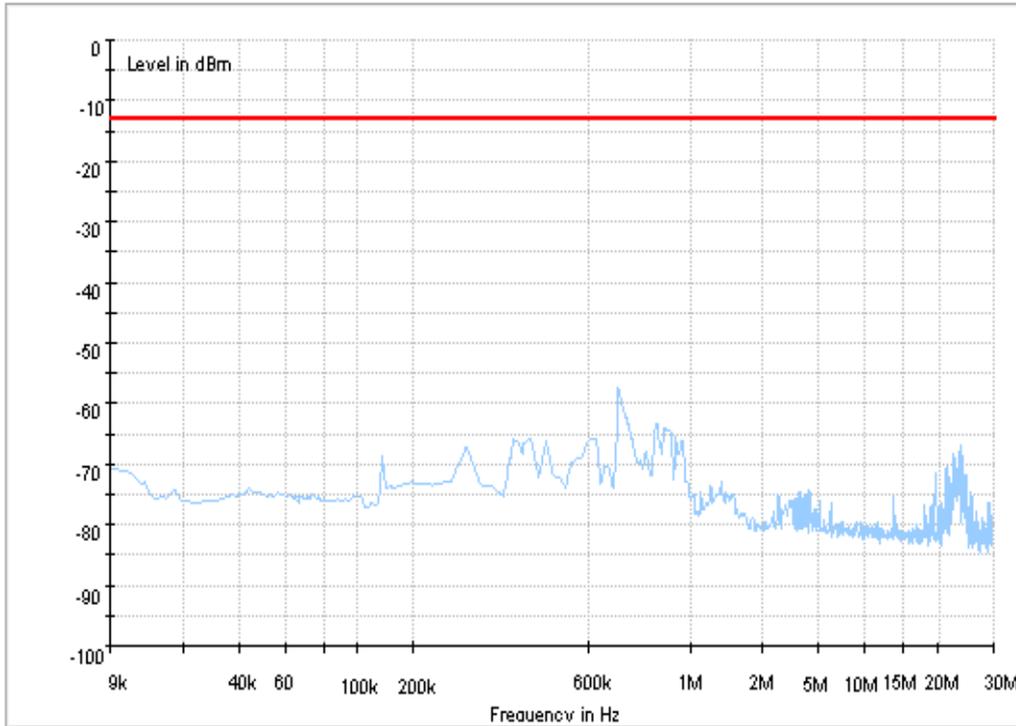
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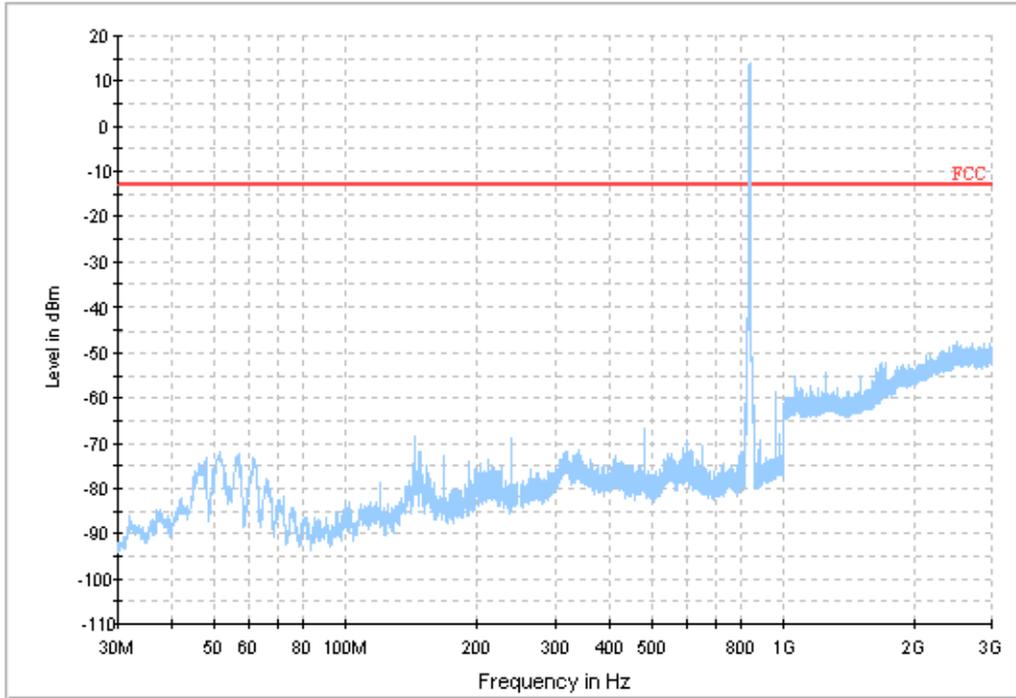
7.2 For UMTS

7.2.1 Test Band = WCDMA850

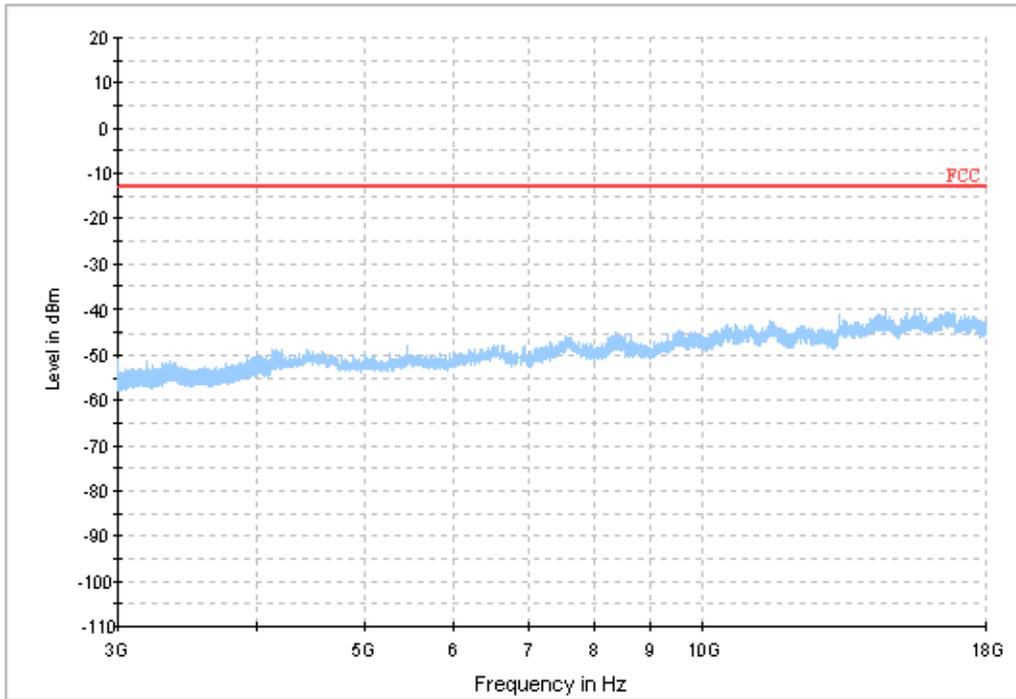
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850_L

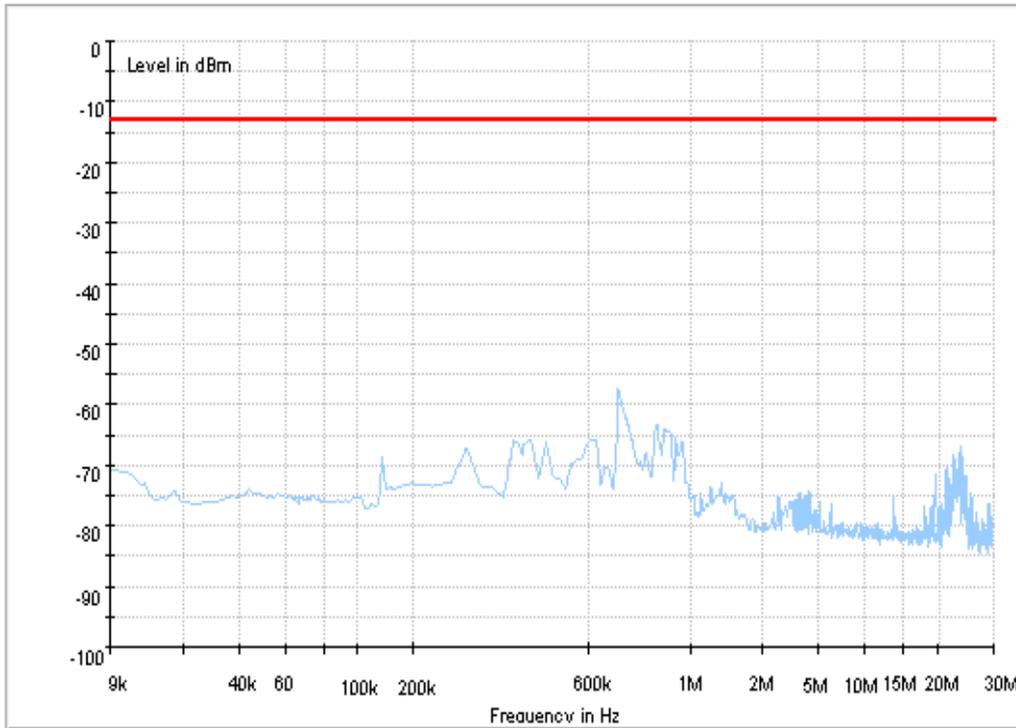


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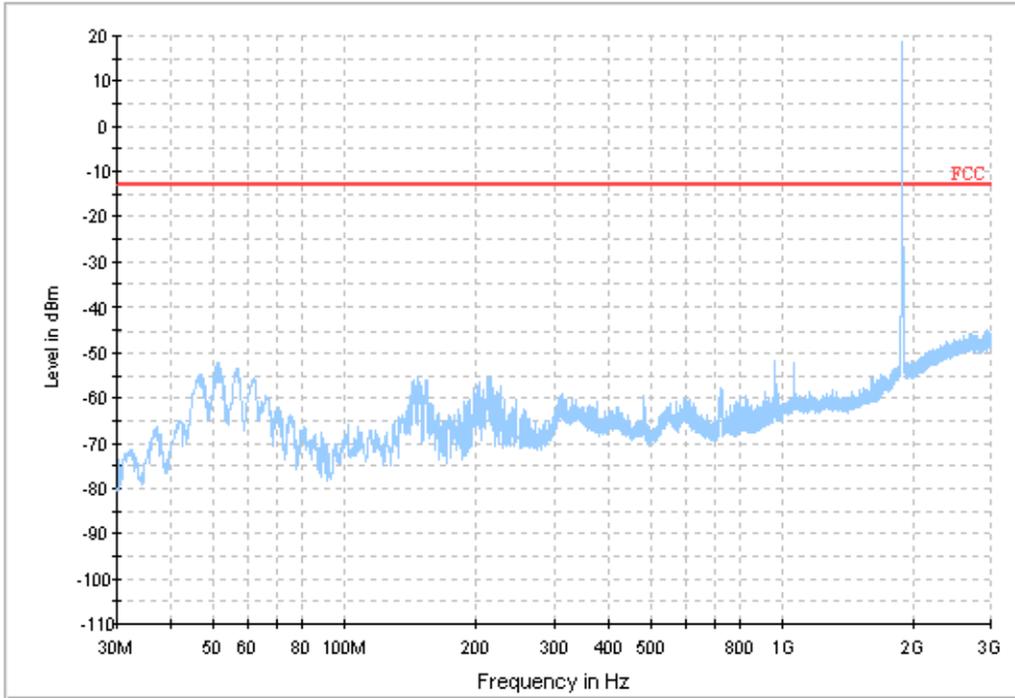


7.2.2 Test Band = WCDMA1900

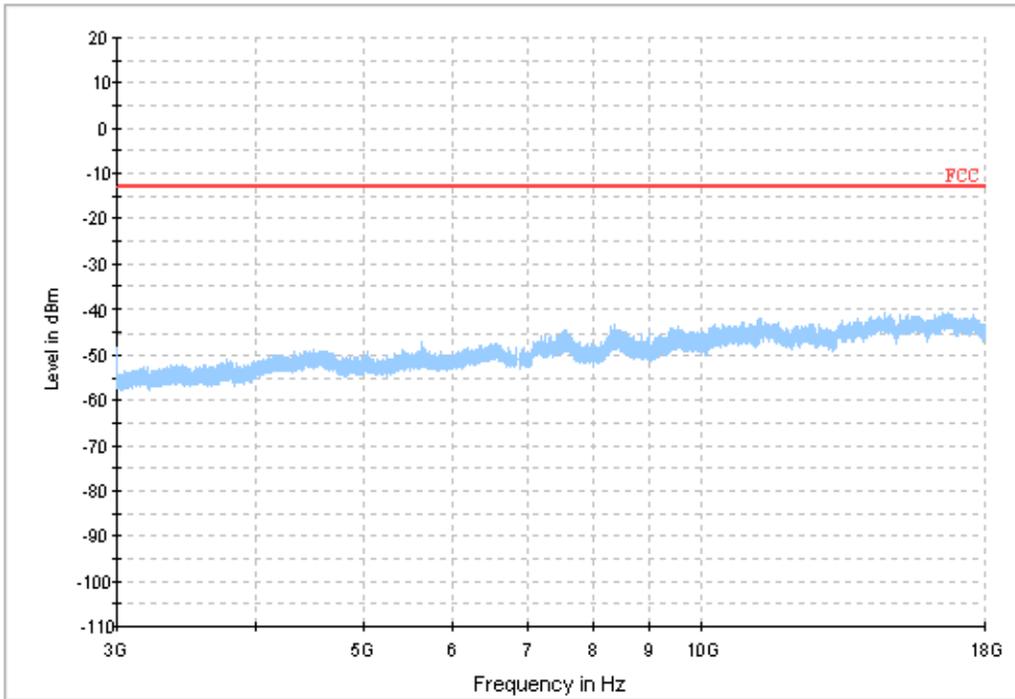
7.2.2.1 Test Mode = UMTS/TM1

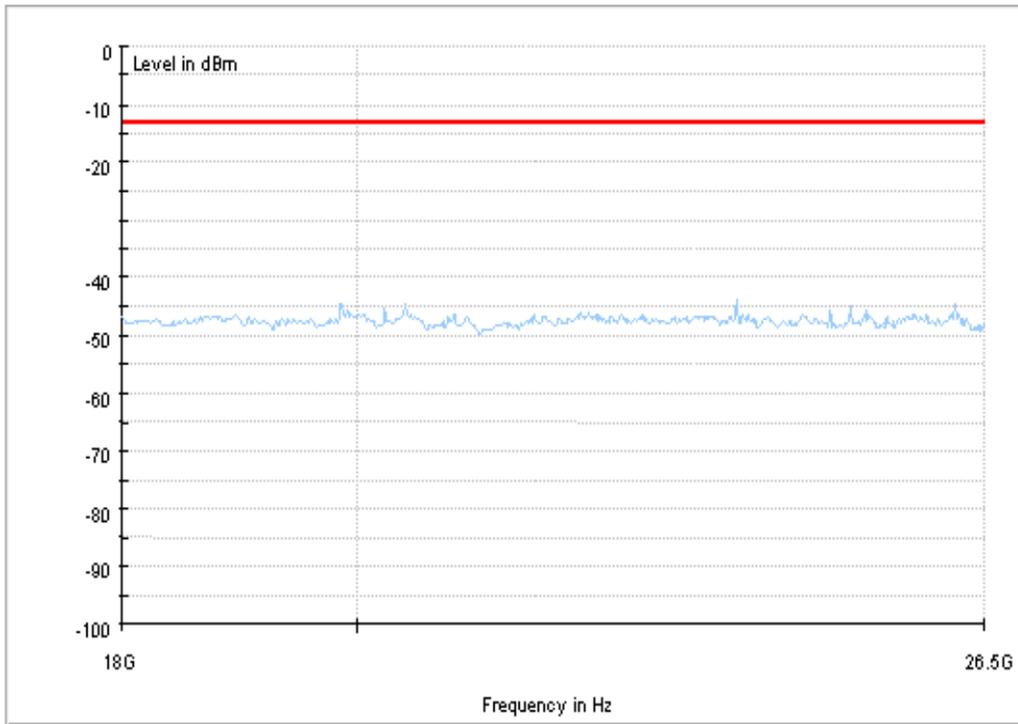


Copy of FCC PART24 WCDMA1900_L



Copy of FCC PART24 WCDMA1900_H

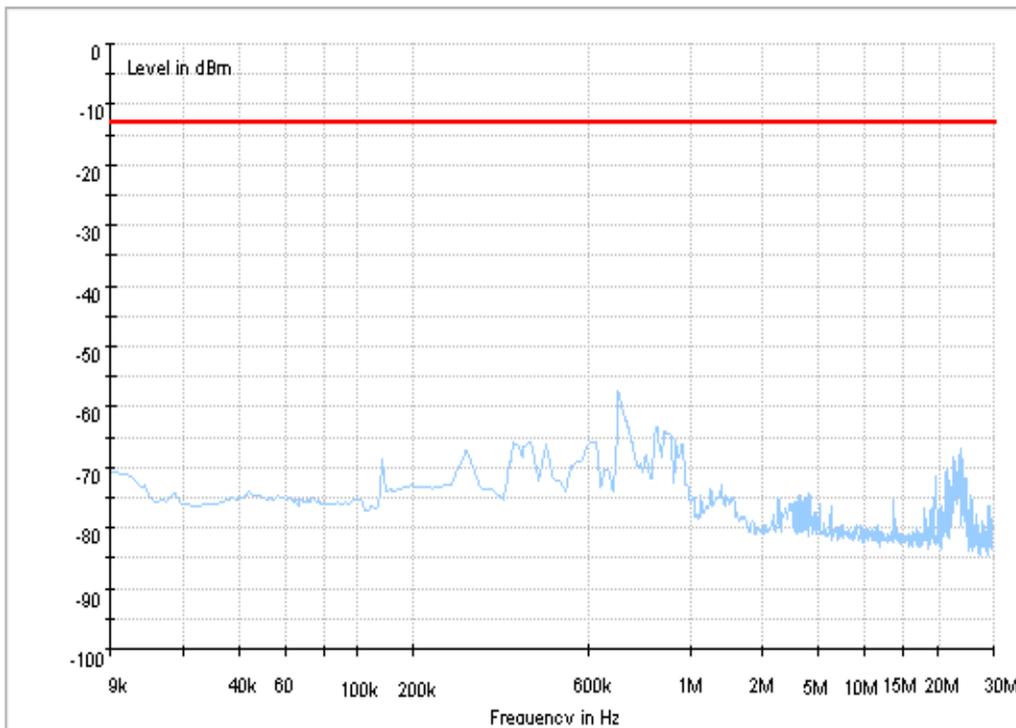




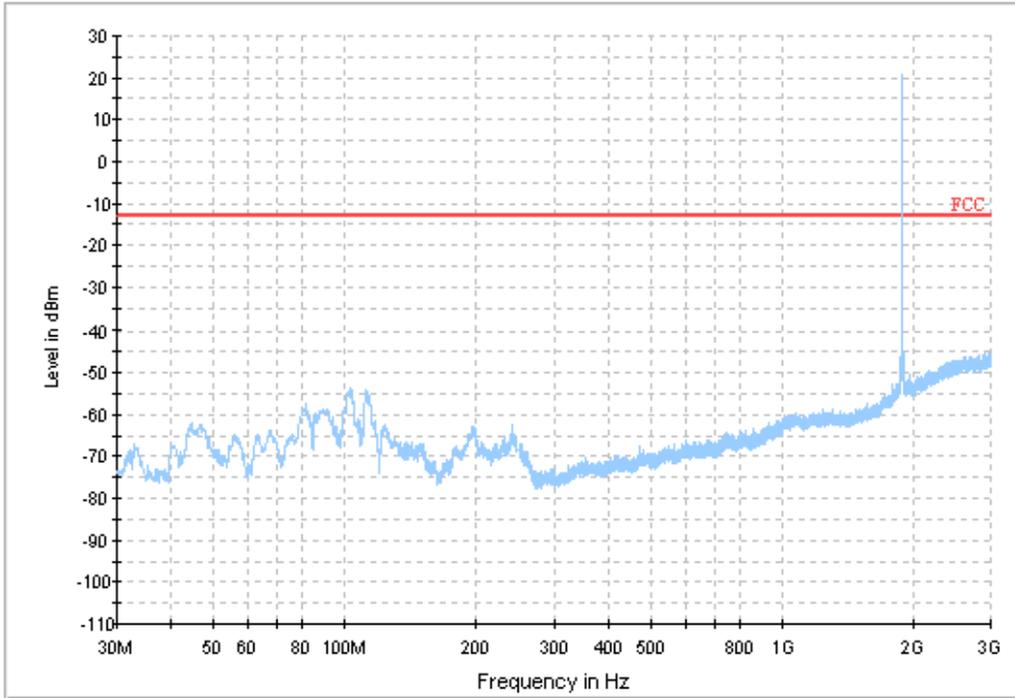
7.3 For LTE

7.3.1 Test Band = BAND2

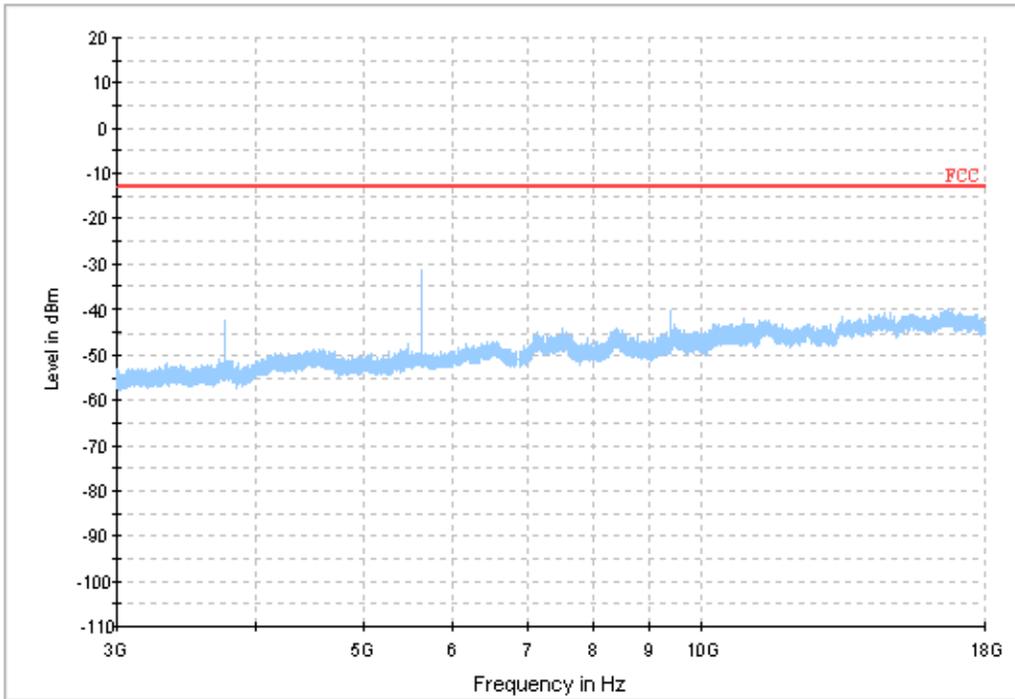
7.3.1.1 Test Bandwidth = 1.4

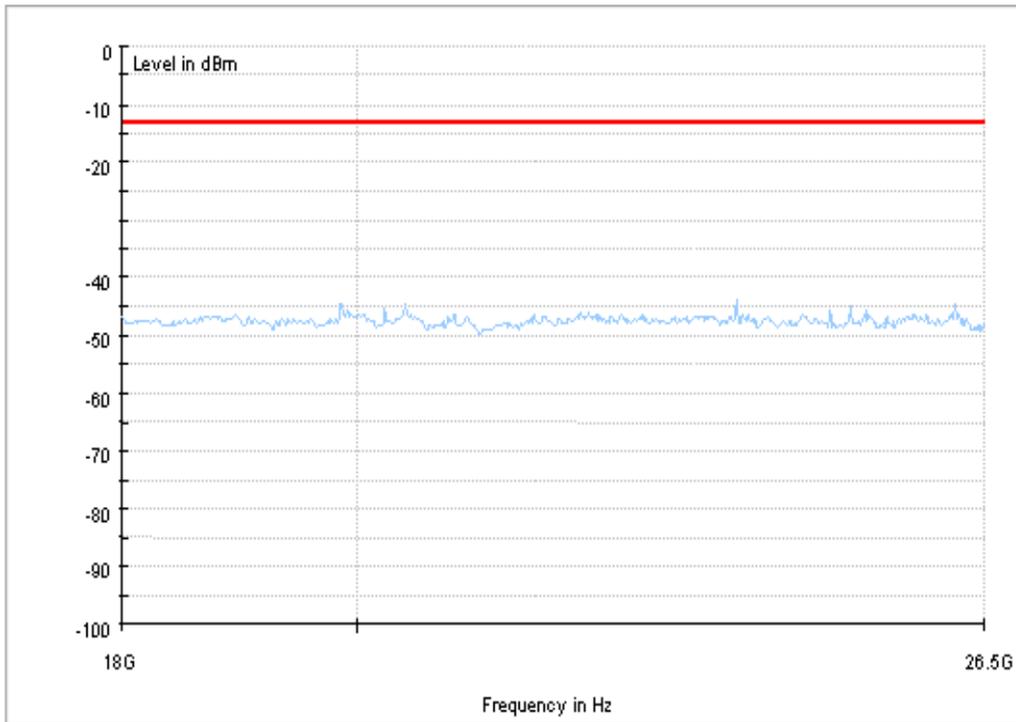


Copy of FCC PART24 LTE Band 2_L

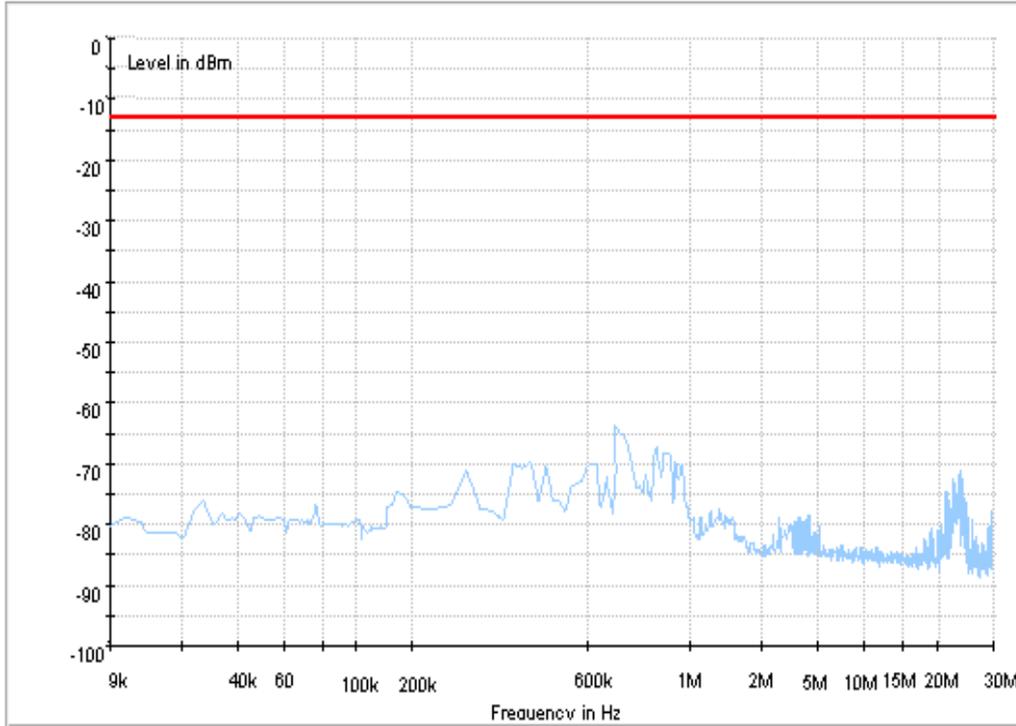


Copy of FCC PART24 LTE Band 2_H

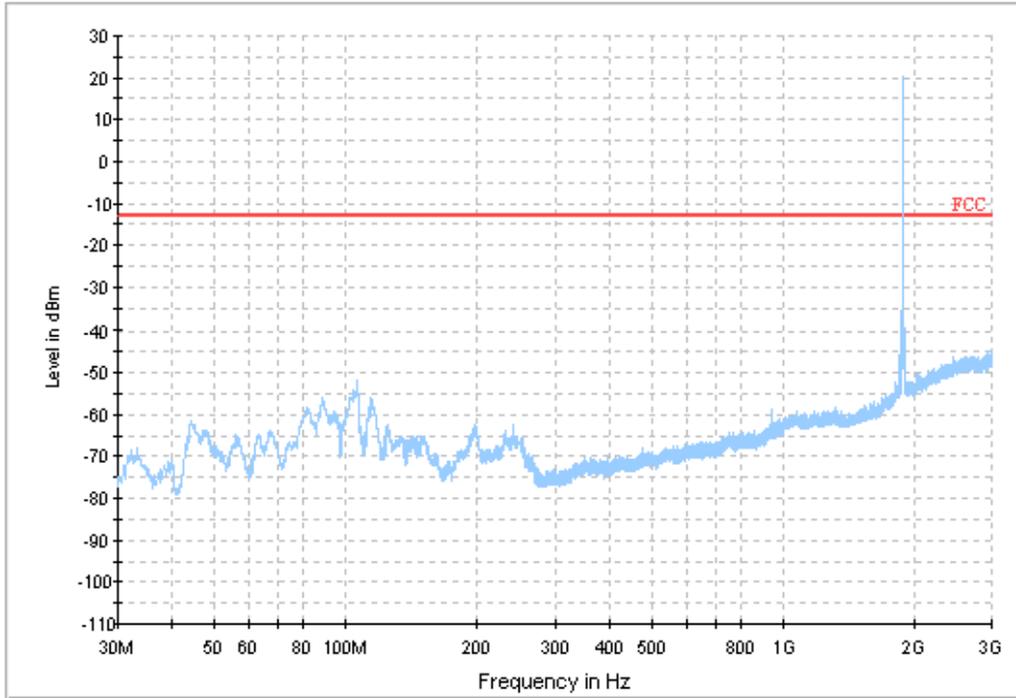




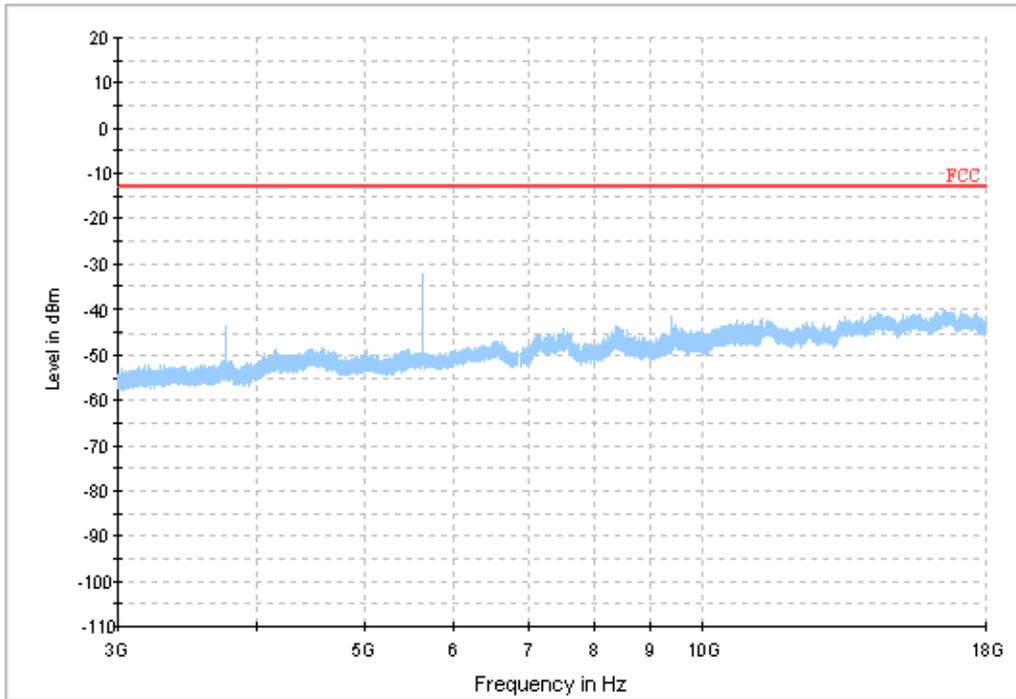
7.3.1.2 Test Bandwidth = 5

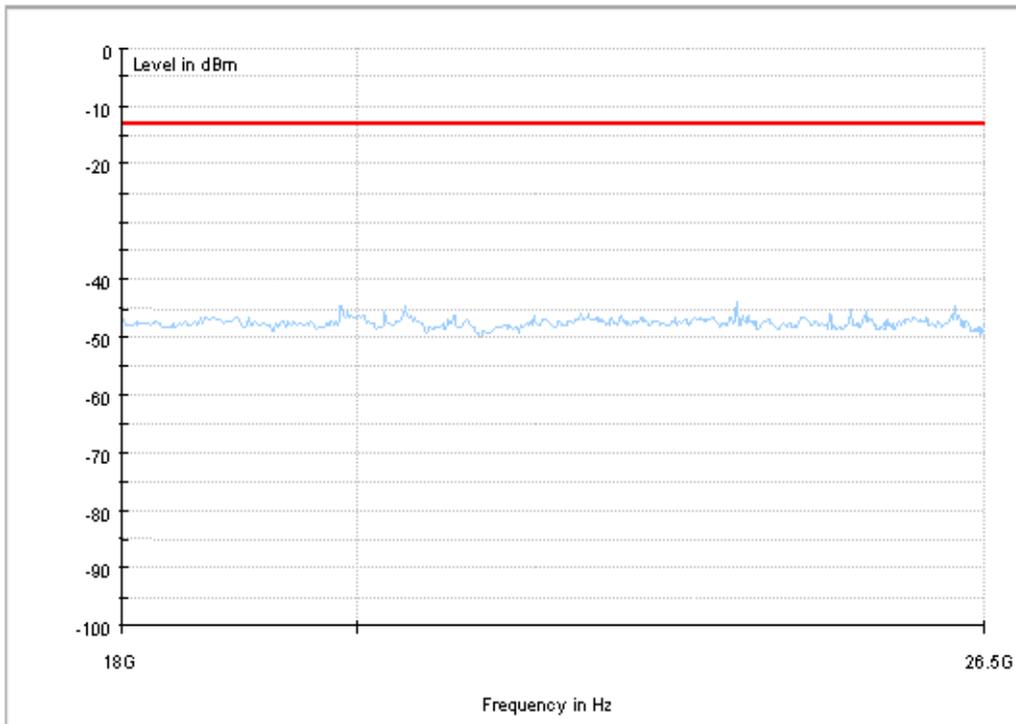


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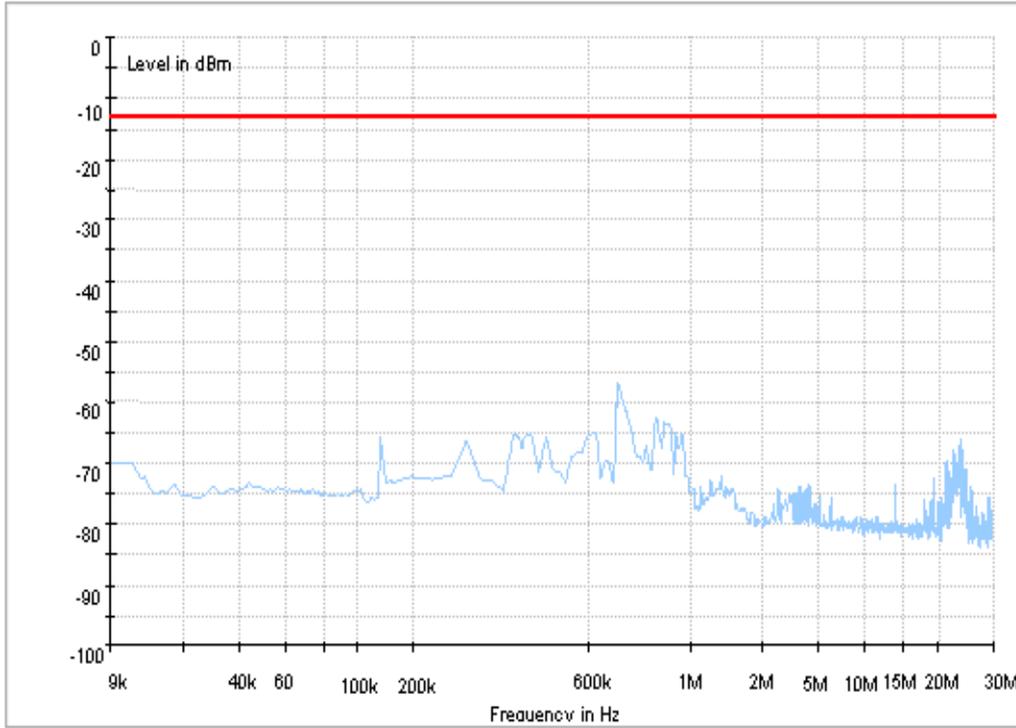


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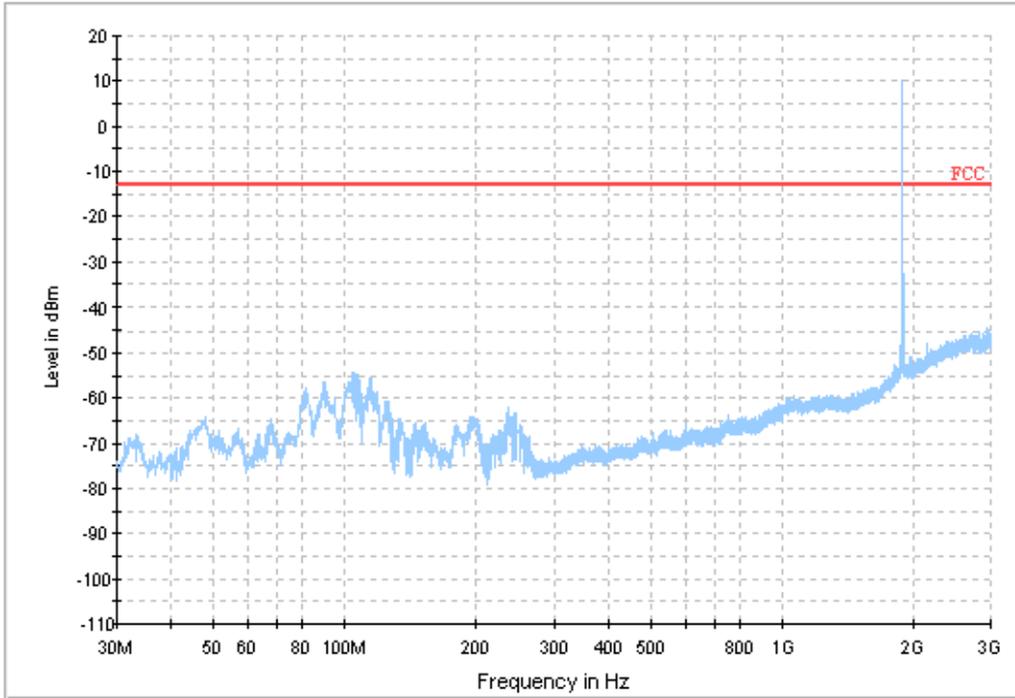




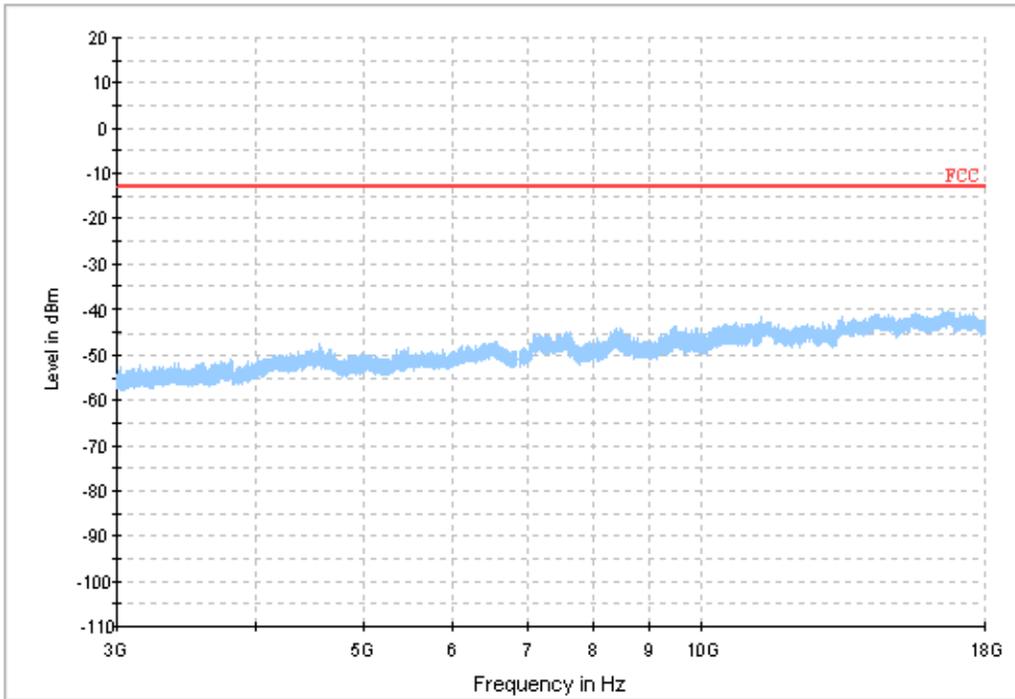
7.3.1.3 Test Bandwidth = 20

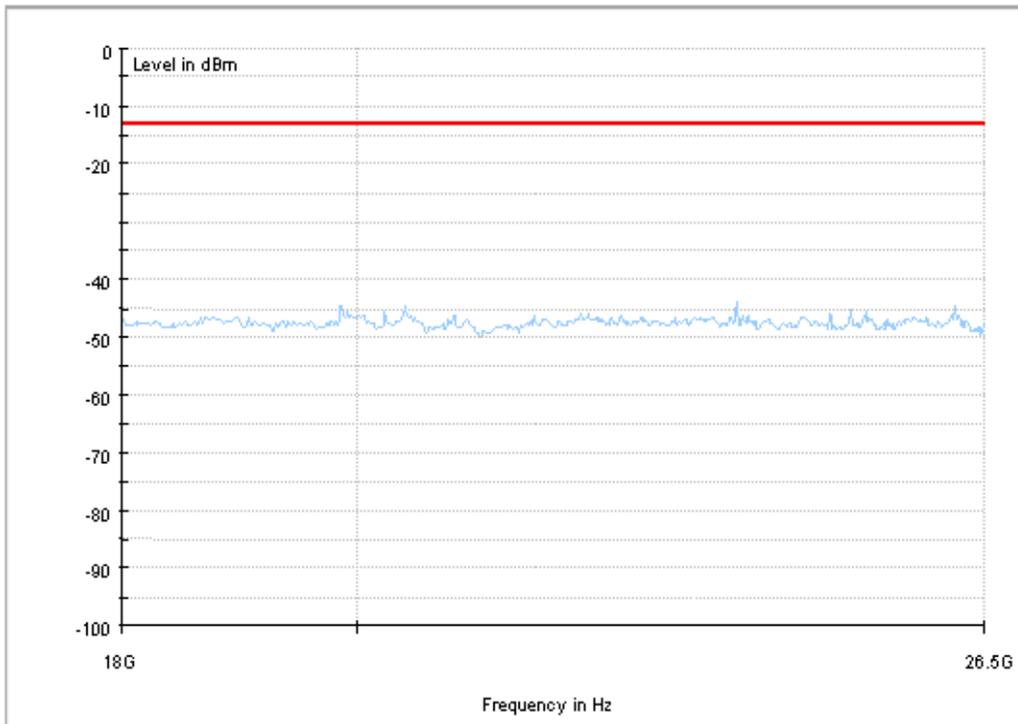


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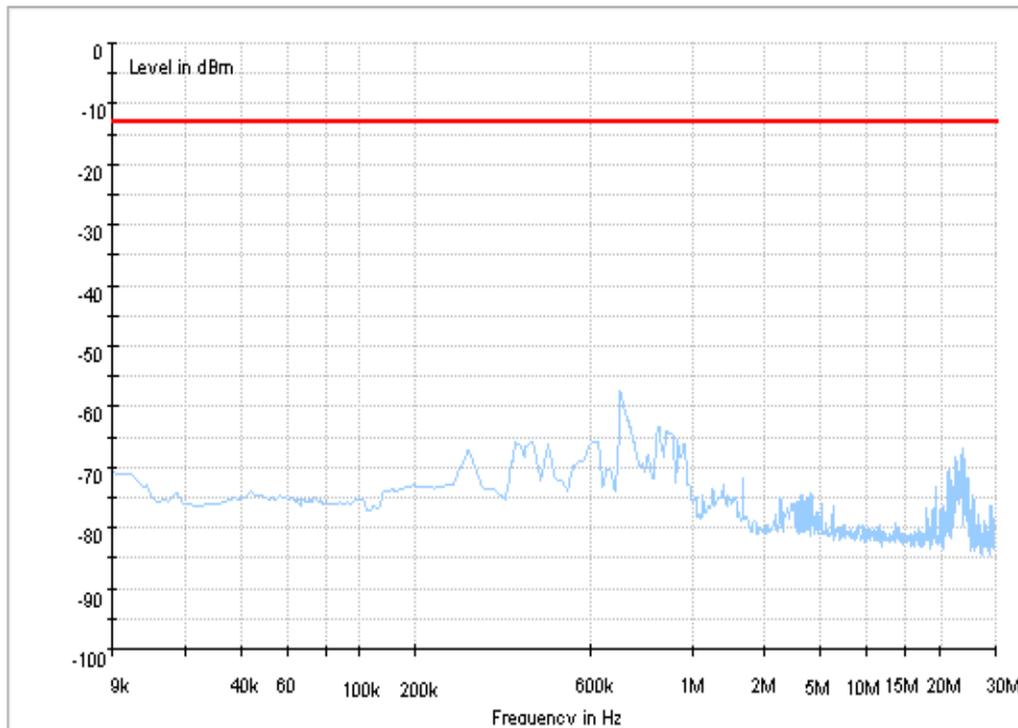
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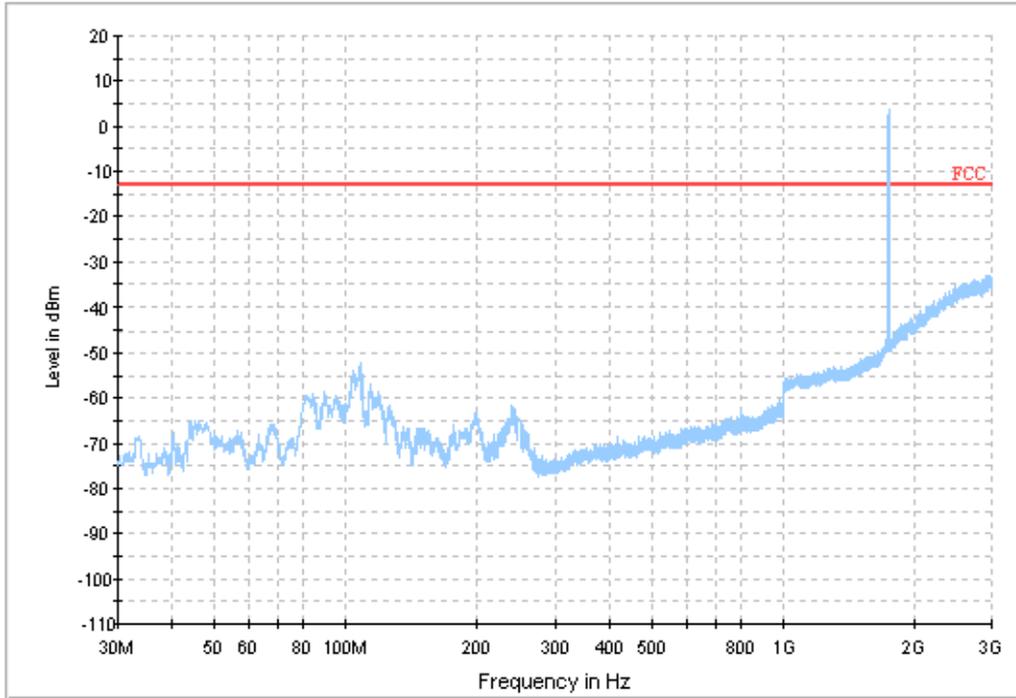


7.3.2 Test Band = BAND4

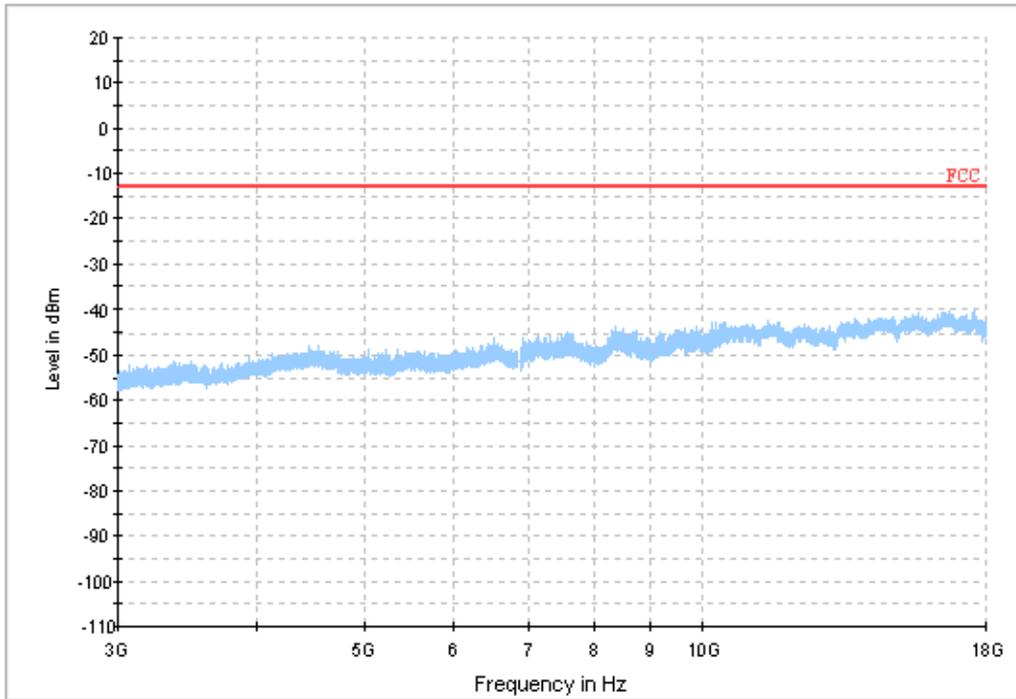
7.3.2.1 Test Bandwidth = 1.4

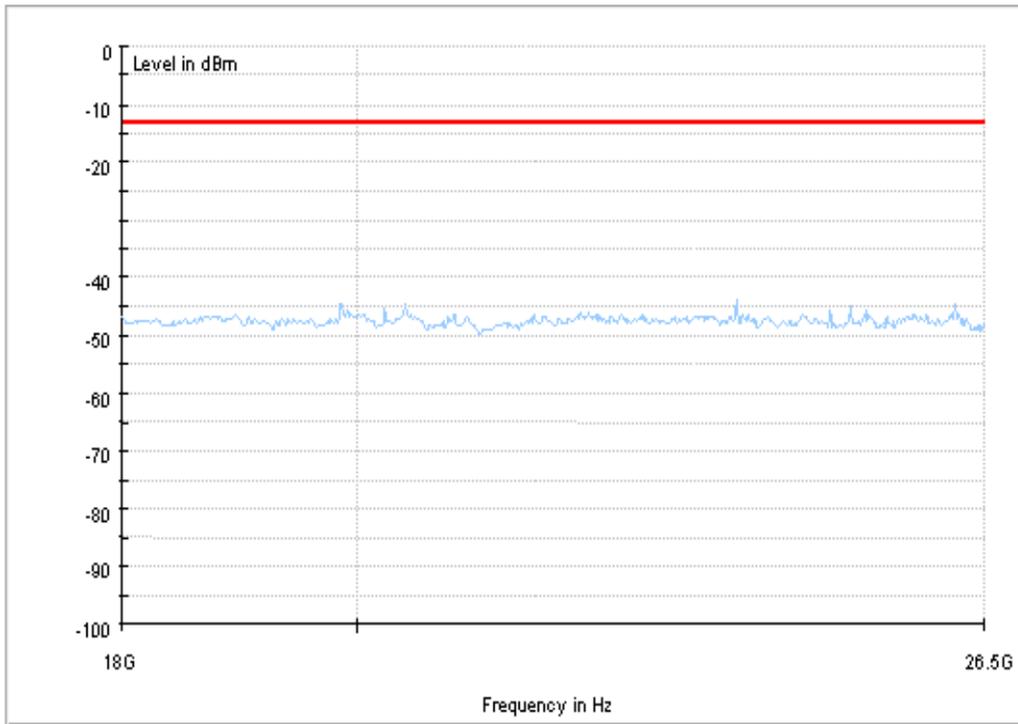


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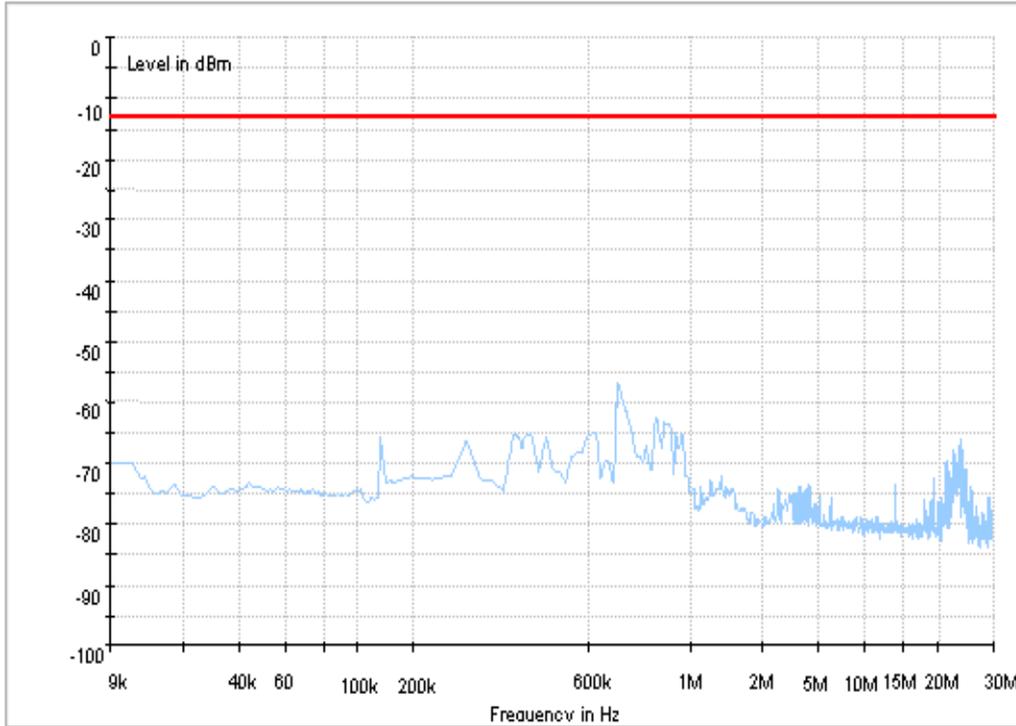


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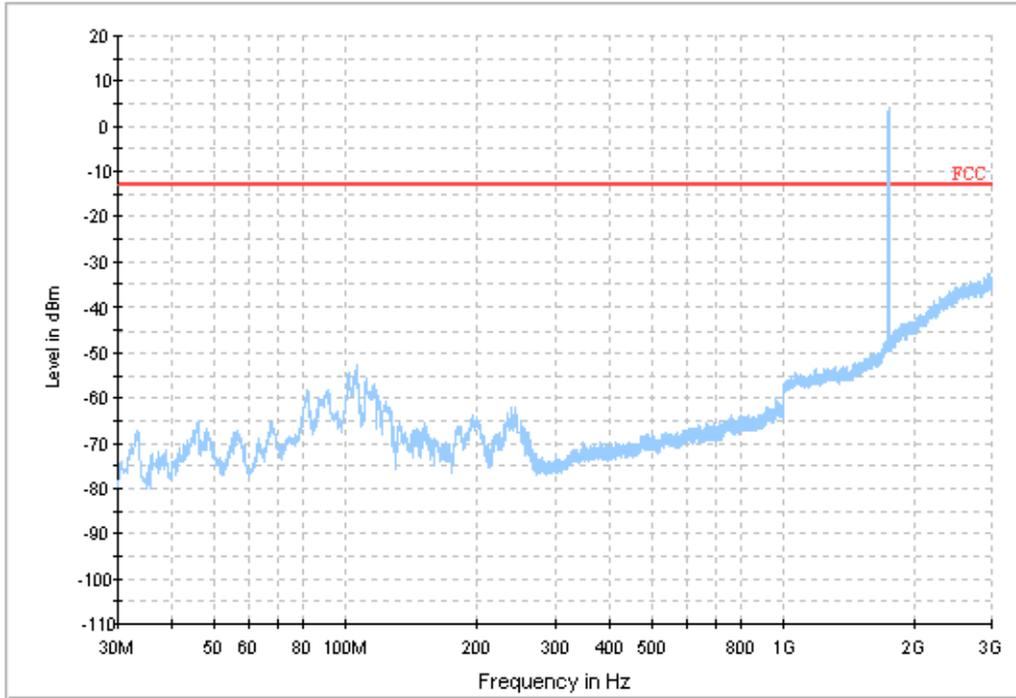




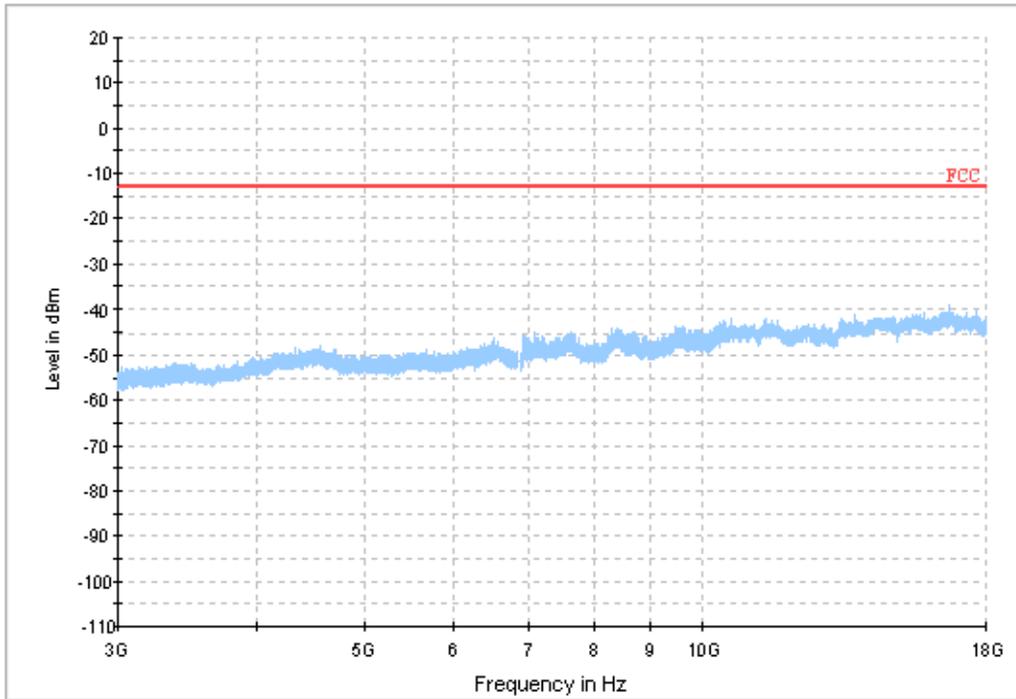
7.3.2.2 Test Bandwidth = 5

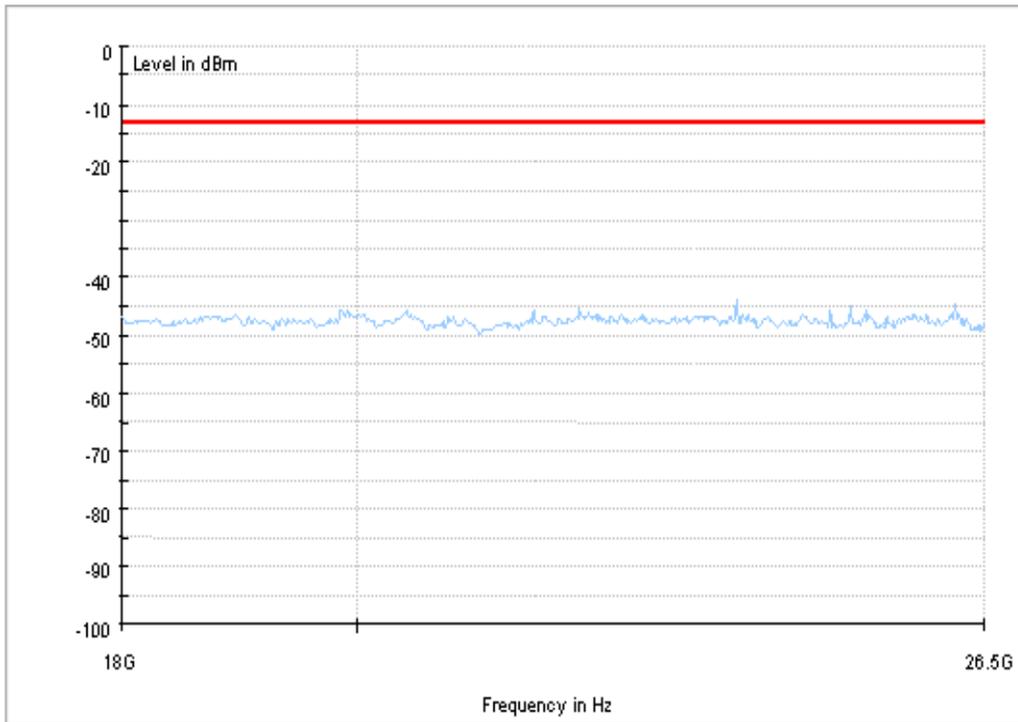


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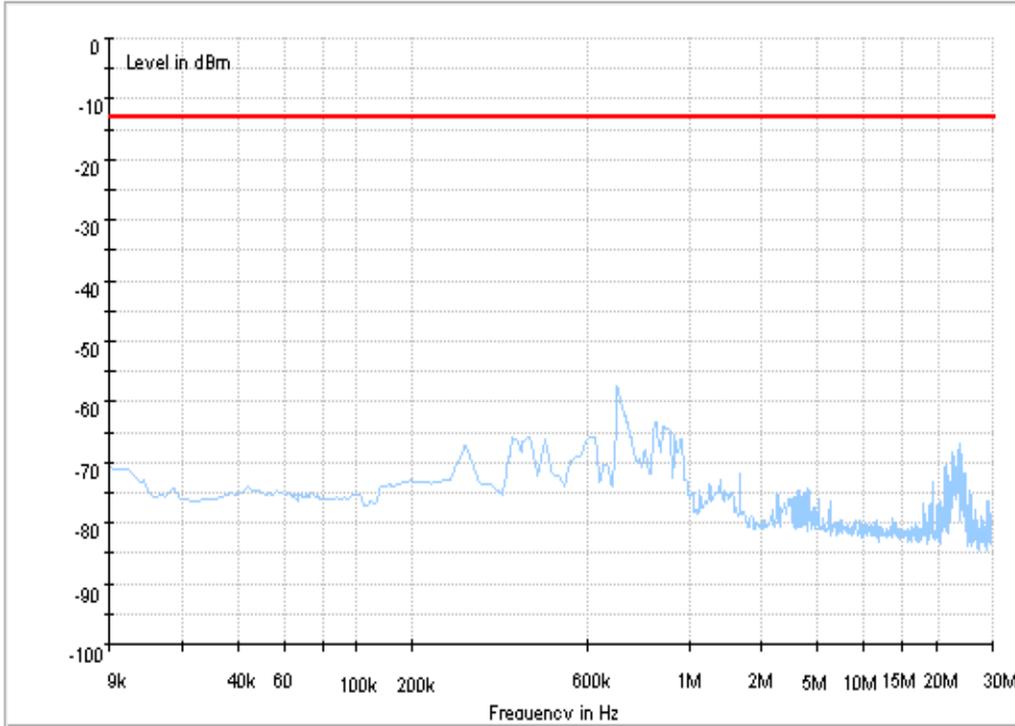


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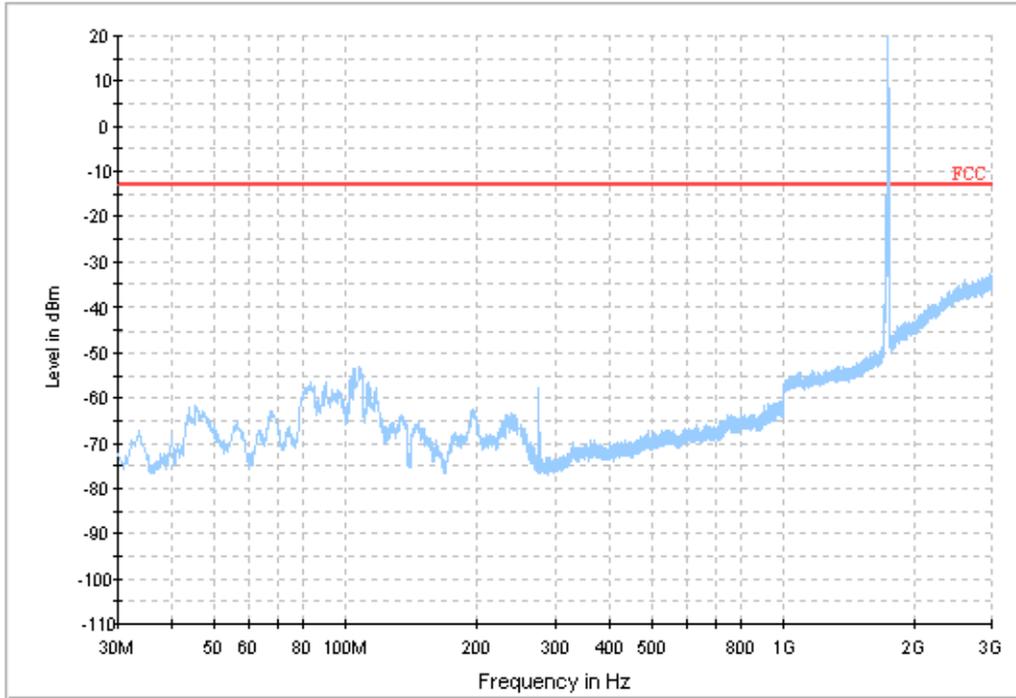




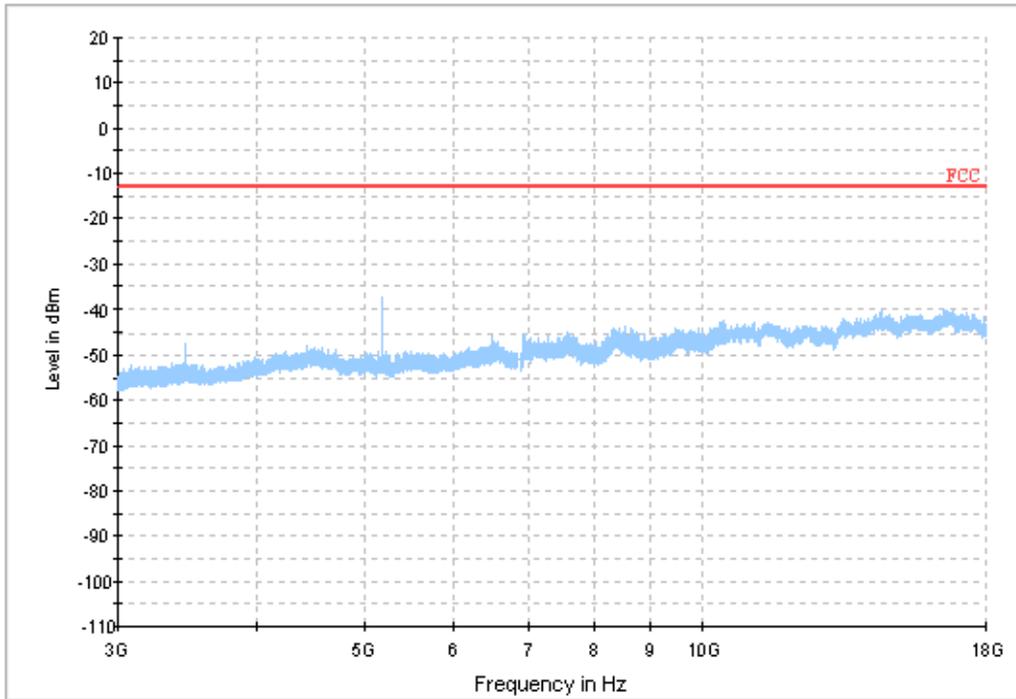
7.3.2.3 Test Bandwidth = 20

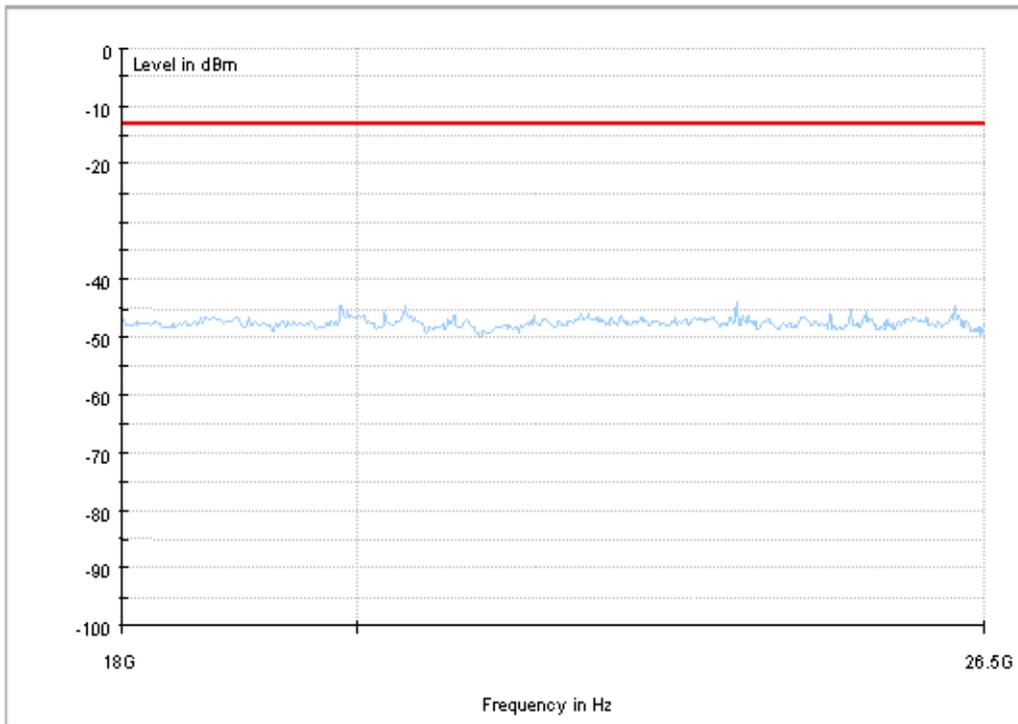


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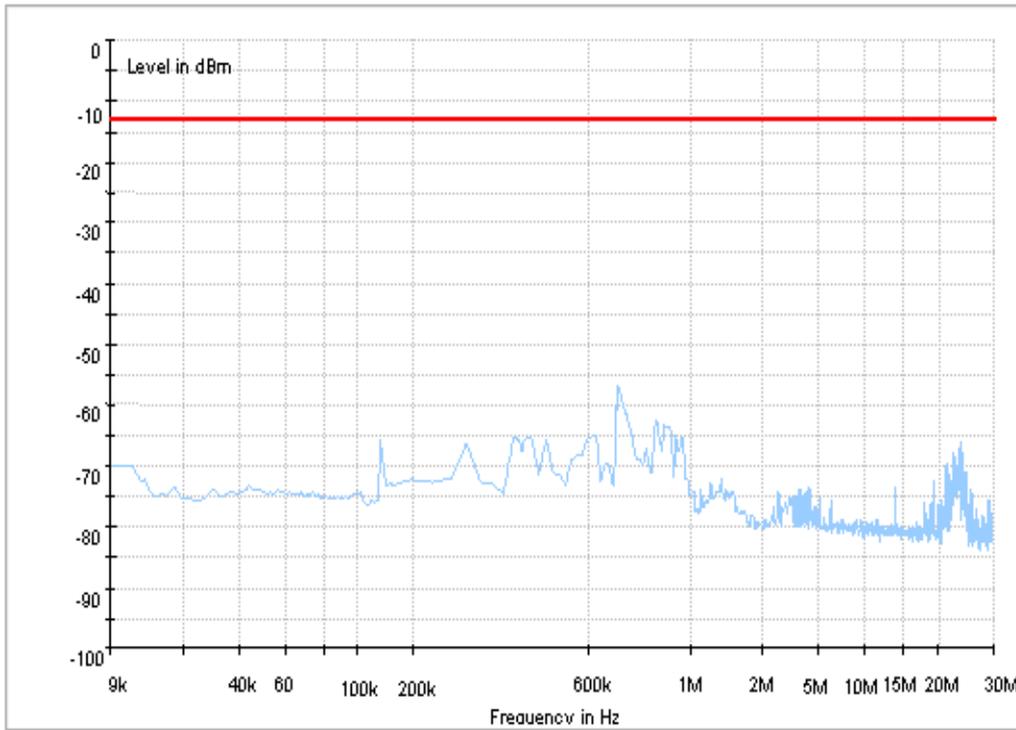
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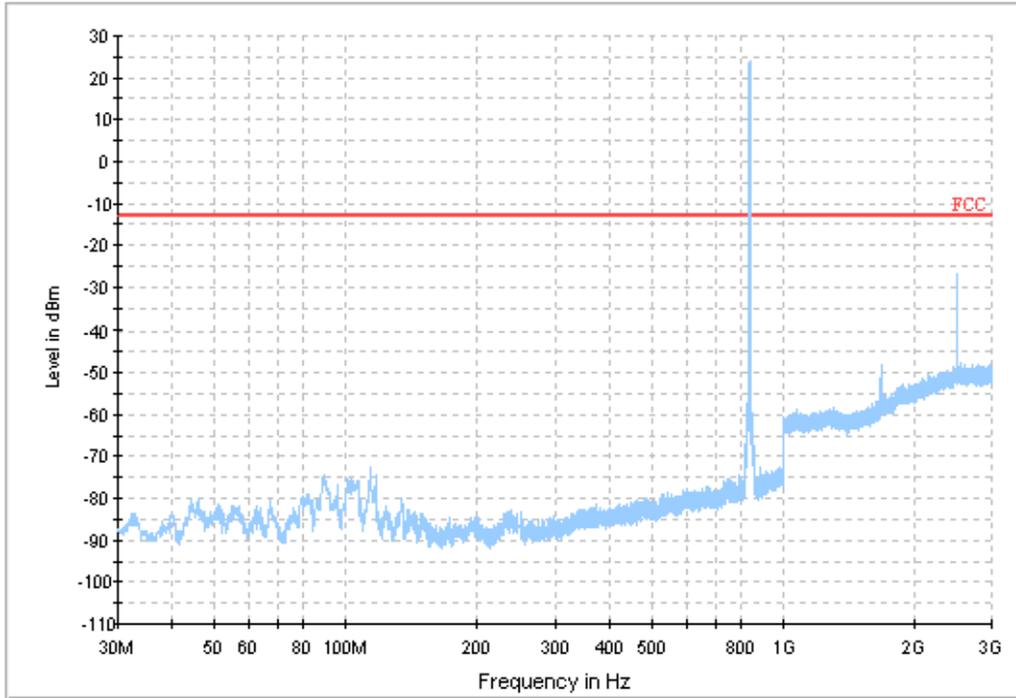


7.3.3 Test Band = BAND5

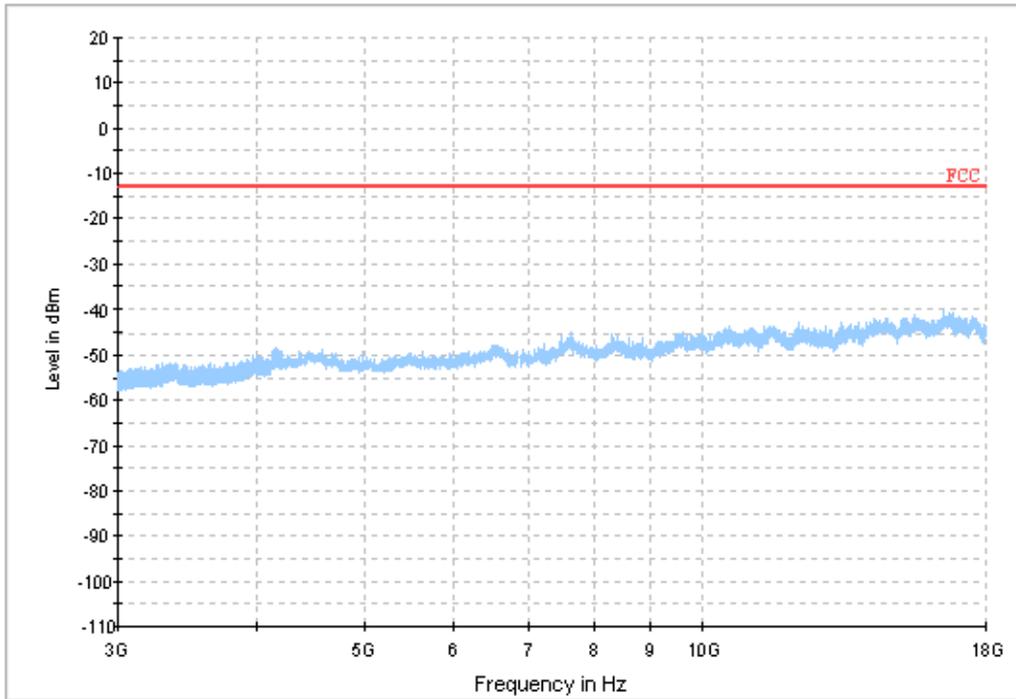
7.3.3.1 Test Bandwidth = 1.4



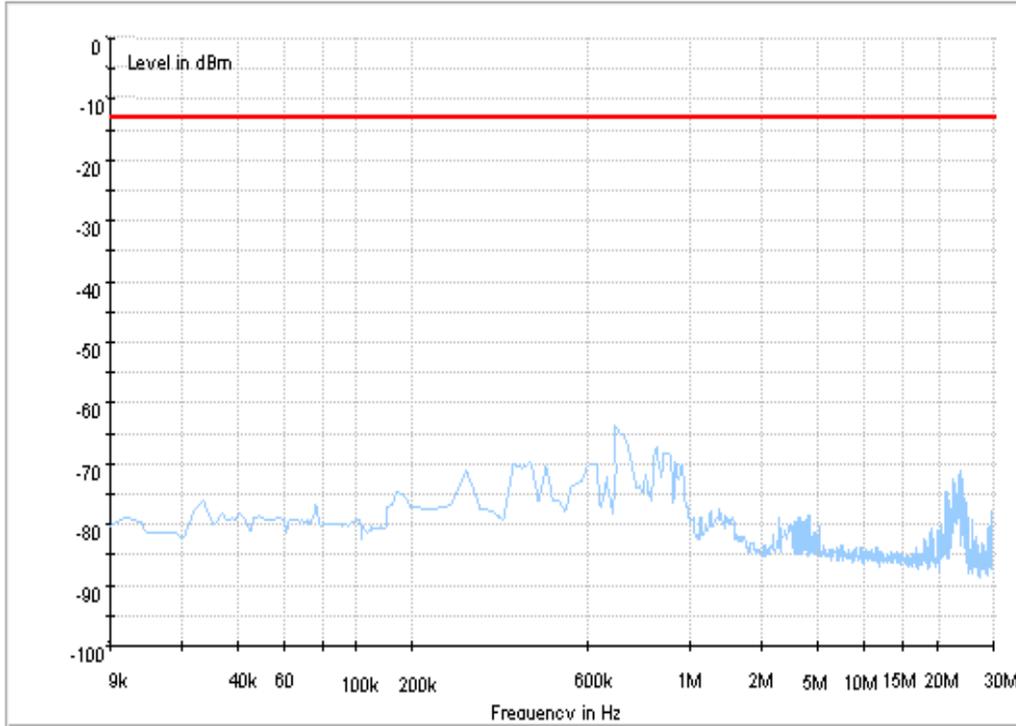
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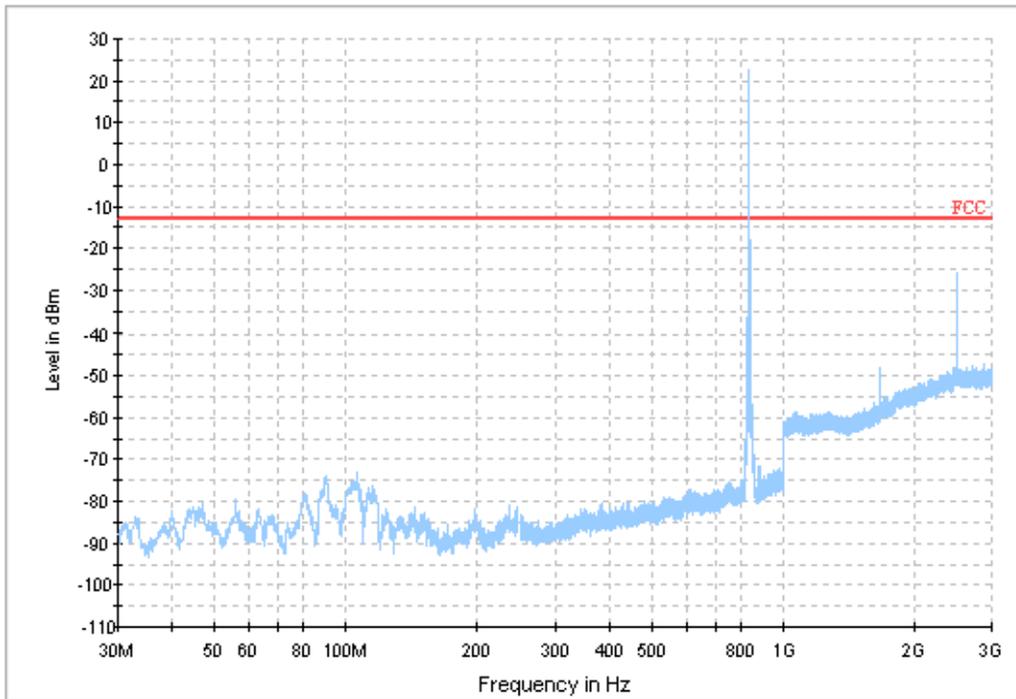
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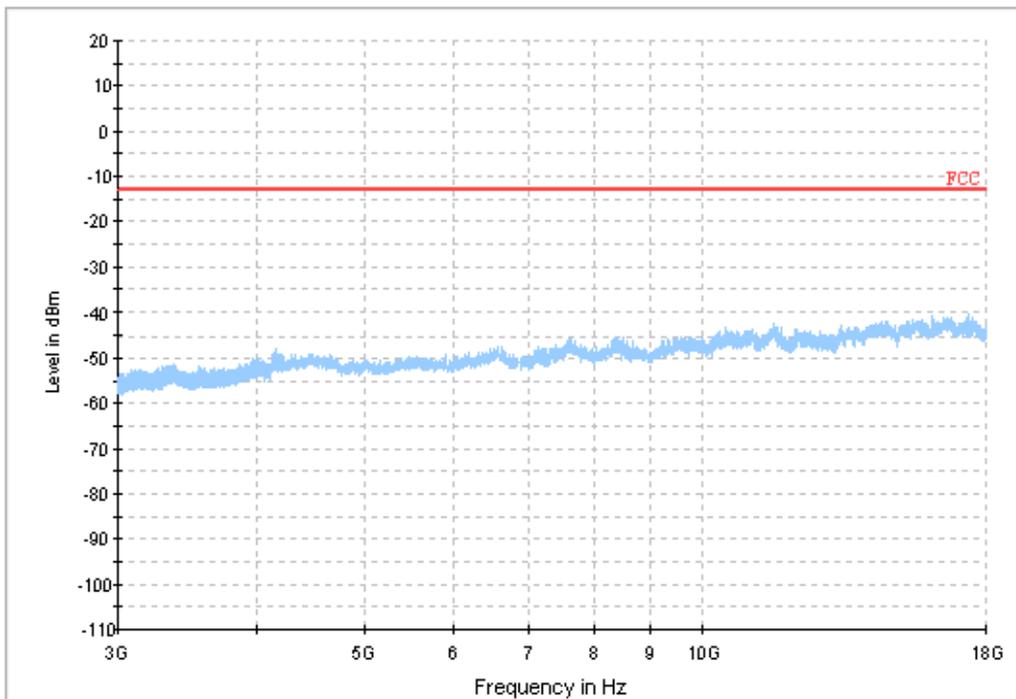
7.3.3.2 Test Bandwidth = 5



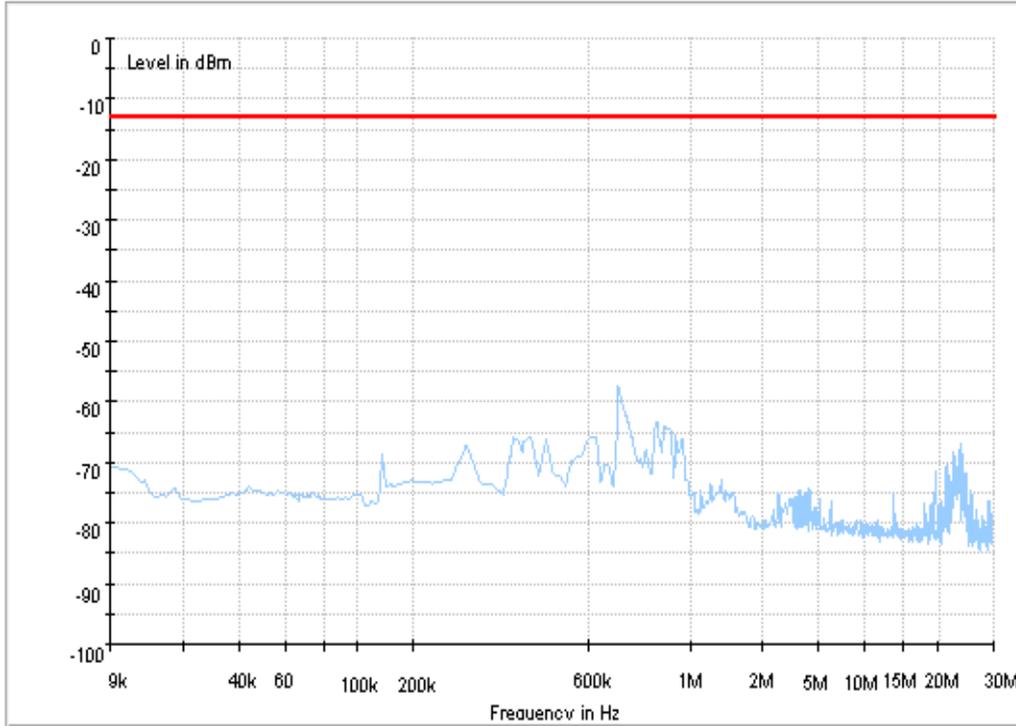
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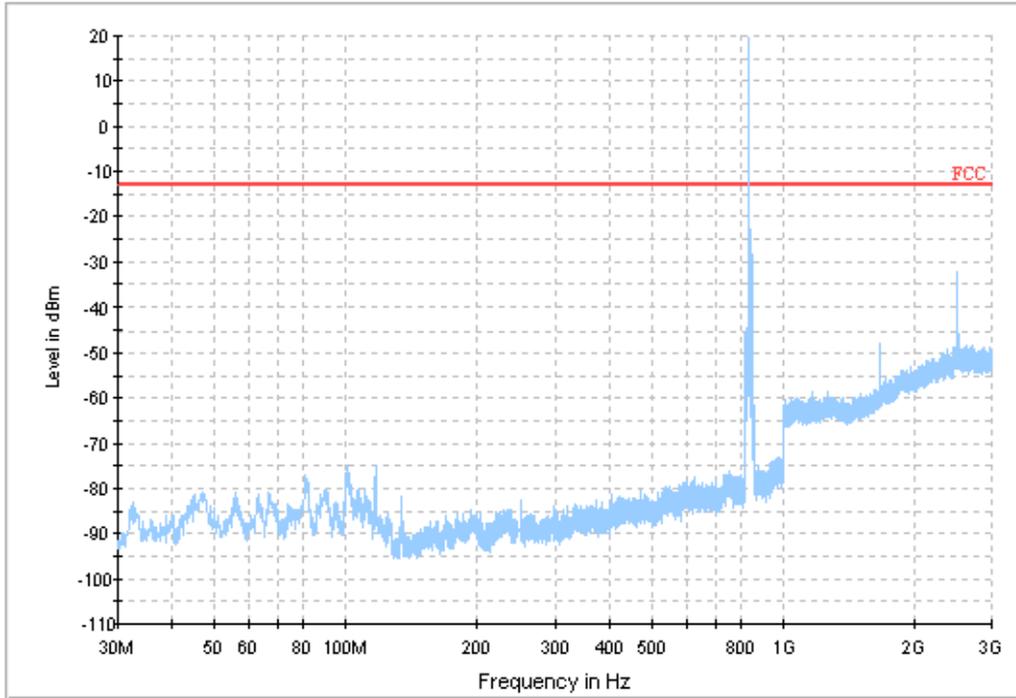
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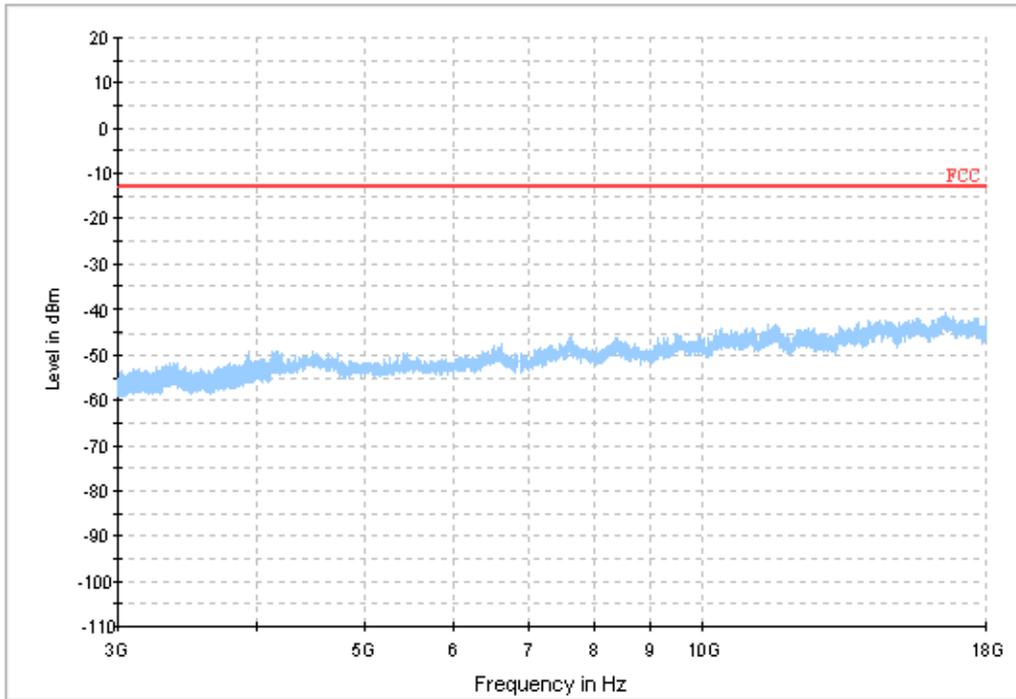
7.3.3.3 Test Bandwidth = 10



Copy of FCC PART22 LTE Band 5_L

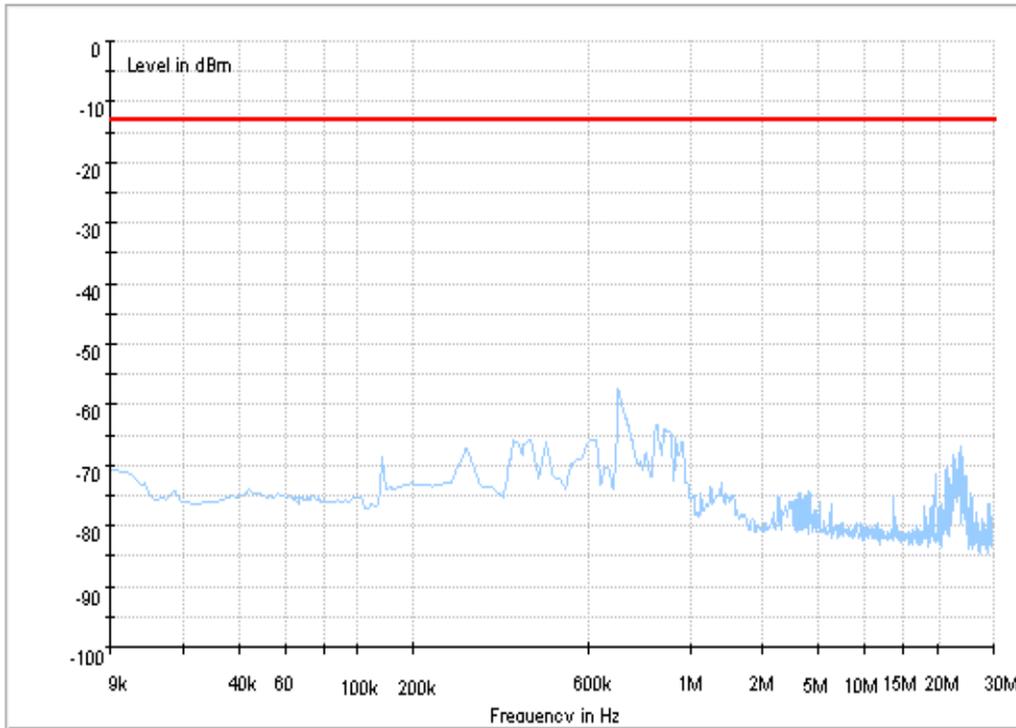


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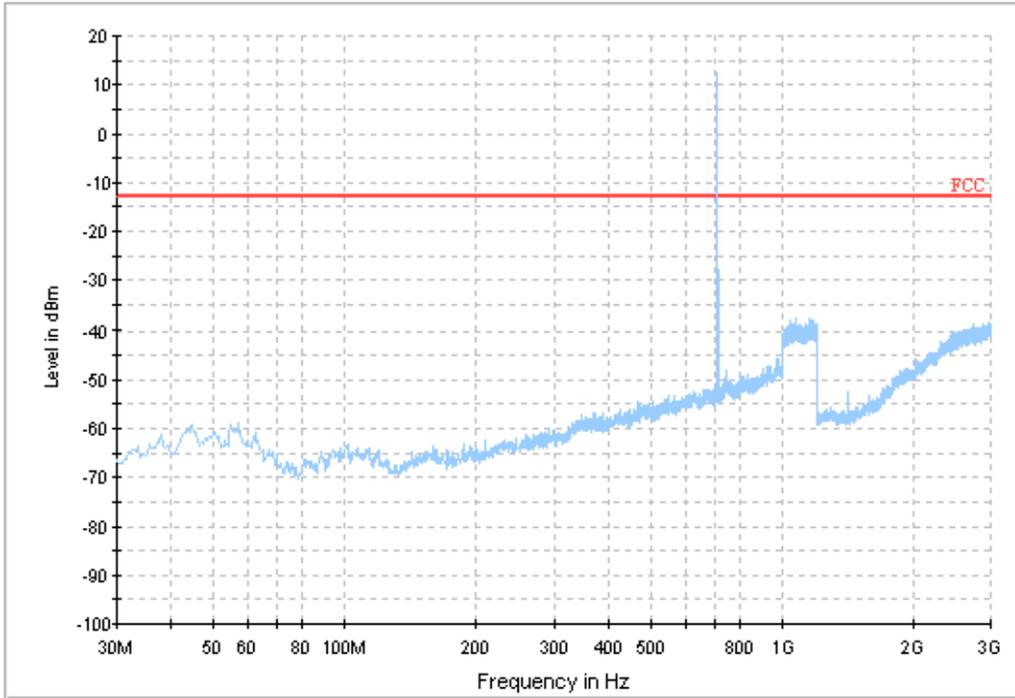


7.3.4 Test Band = BAND17

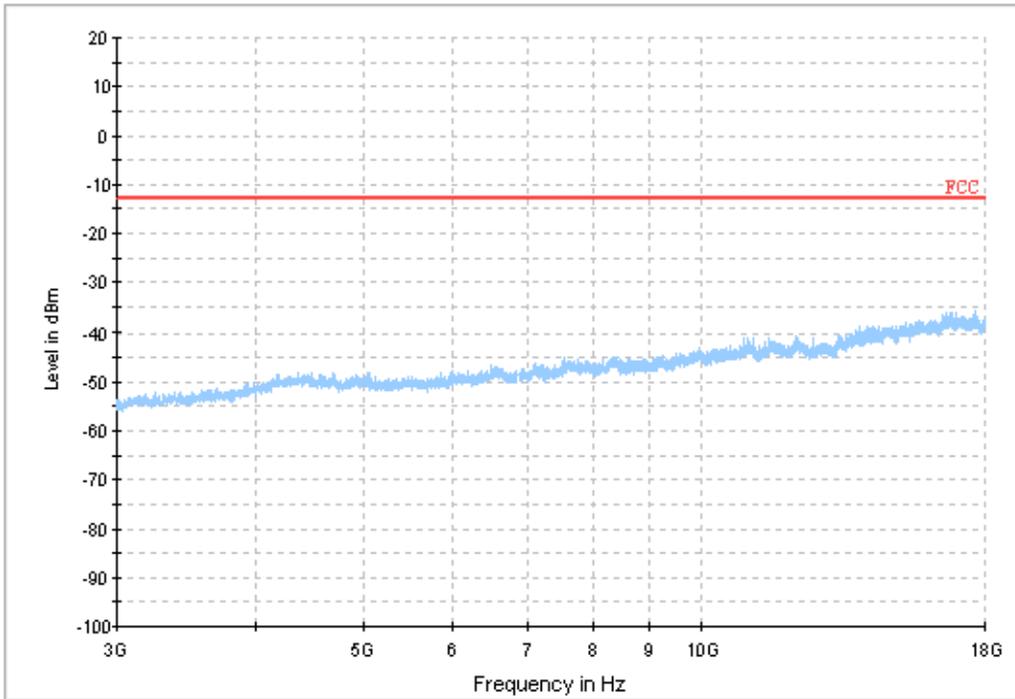
7.3.4.1 Test Bandwidth = 5



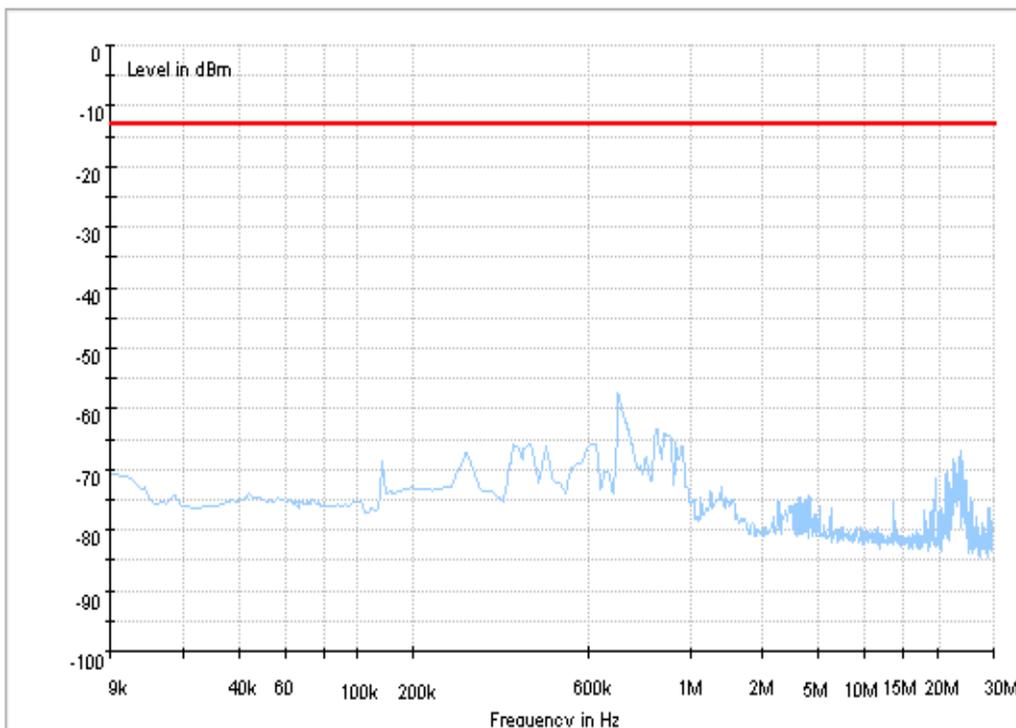
Copy of RSE-TX-DIRECTOR BELOW 1G_L



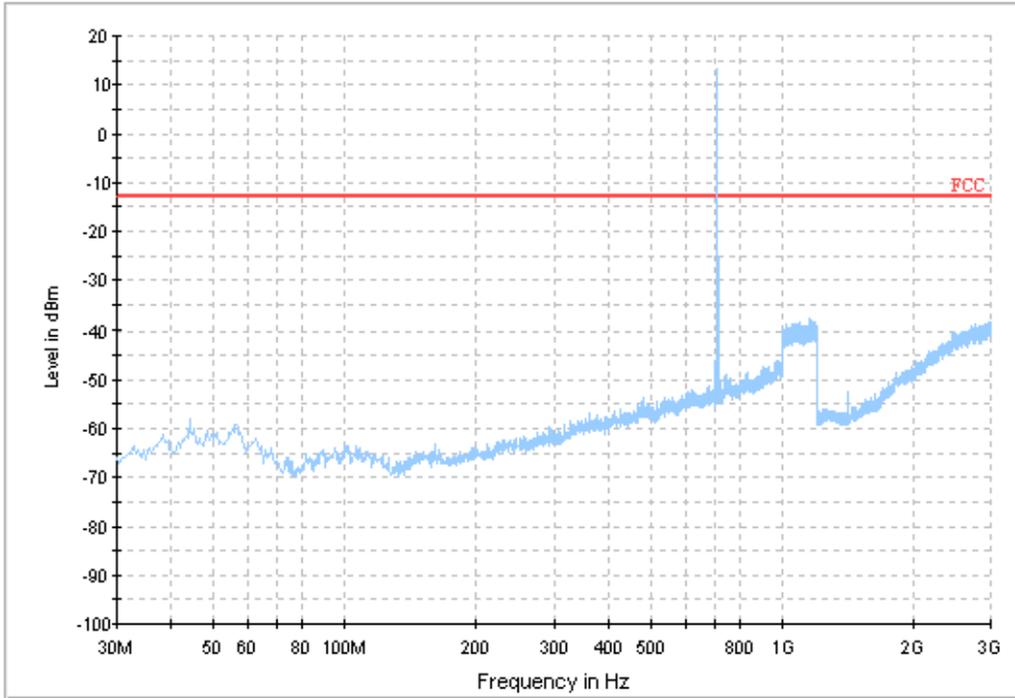
Copy of RSE-TX-DIRECTOR BELOW 1G_H



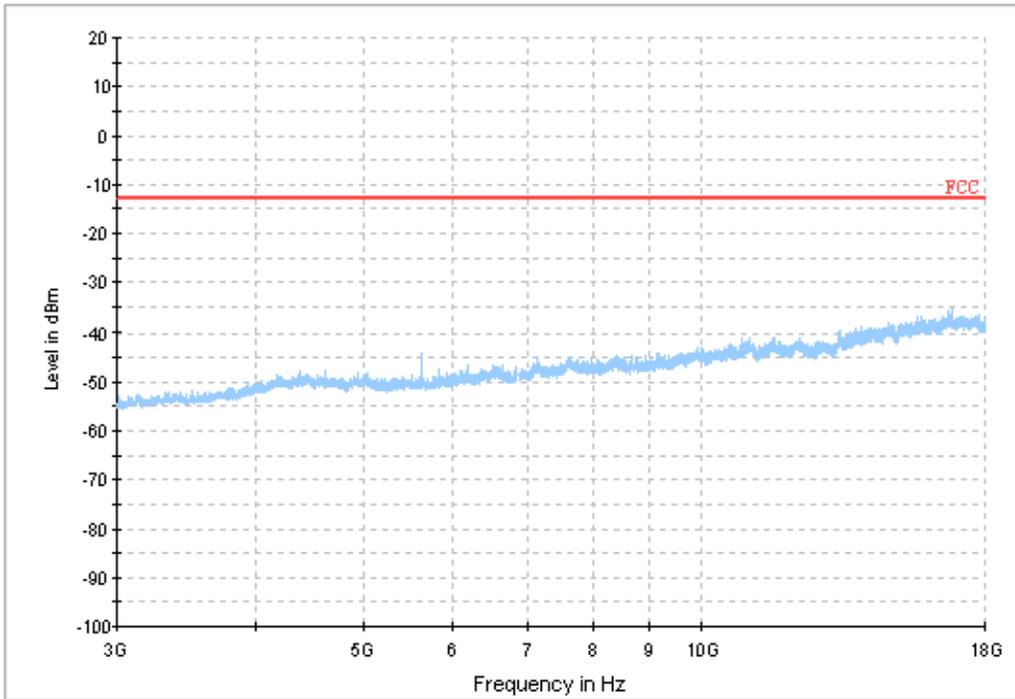
7.3.4.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_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	-8.27	-0.01003	PASS
				VN	-2.45	-0.00297	PASS
				VH	-4.39	-0.00533	PASS
		MCH	TN	VL	2.52	0.00301	PASS
				VN	-5.23	-0.00625	PASS
				VH	-2.84	-0.00339	PASS
		HCH	TN	VL	-1.29	-0.00152	PASS
				VN	-1.29	-0.00152	PASS
				VH	-1.68	-0.00198	PASS
	GSM/TM2	LCH	TN	VL	-3.03	-0.00368	PASS
				VN	-7.72	-0.00937	PASS
				VH	-10.14	-0.0123	PASS
		MCH	TN	VL	-8.59	-0.01027	PASS
				VN	-8.72	-0.01042	PASS
				VH	-7.81	-0.00934	PASS
		HCH	TN	VL	-7.52	-0.00886	PASS
				VN	-6.23	-0.00734	PASS
				VH	-10.33	-0.01217	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-18.02	-0.00974	PASS
				VN	-8.27	-0.00447	PASS
				VH	-20.99	-0.01134	PASS
		MCH	TN	VL	-9.94	-0.00529	PASS
				VN	-11.30	-0.00601	PASS
				VH	-8.91	-0.00474	PASS
		HCH	TN	VL	-4.13	-0.00216	PASS
				VN	-9.75	-0.00511	PASS
				VH	-19.63	-0.01028	PASS
	GSM/TM2	LCH	TN	VL	-25.99	-0.01405	PASS
				VN	-14.43	-0.0078	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				VH	-11.30	-0.00611	PASS
		MCH	TN	VL	-13.59	-0.00723	PASS
				VN	-20.21	-0.01075	PASS
				VH	-5.17	-0.00275	PASS
		HCH	TN	VL	-10.85	-0.00568	PASS
				VN	-15.63	-0.00818	PASS
				VH	-9.07	-0.00475	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	-6.46	-0.00784	PASS		
				-20	-3.36	-0.00408	PASS		
				-10	-2.13	-0.00258	PASS		
				0	-5.94	-0.00721	PASS		
				10	-6.13	-0.00744	PASS		
				20	-8.52	-0.01034	PASS		
				30	-7.62	-0.00925	PASS		
				40	-4.84	-0.00587	PASS		
				50	-8.20	-0.00995	PASS		
		MCH	VN	-30	-1.49	-0.00178	PASS		
				-20	-3.81	-0.00455	PASS		
				-10	-1.42	-0.0017	PASS		
				0	-9.04	-0.01081	PASS		
				10	-2.78	-0.00332	PASS		
				20	-3.87	-0.00463	PASS		
				30	-4.39	-0.00525	PASS		
				40	-3.62	-0.00433	PASS		
				50	-3.94	-0.00471	PASS		
		HCH	VN	-30	-4.65	-0.00548	PASS		
				-20	-6.01	-0.00708	PASS		
				-10	-4.00	-0.00471	PASS		
				0	-7.62	-0.00898	PASS		
				10	-7.23	-0.00852	PASS		
				20	-4.13	-0.00487	PASS		
				30	-5.62	-0.00662	PASS		
				40	-8.20	-0.00966	PASS		
				50	-1.87	-0.0022	PASS		
			GSM/TM2	LCH	VN	-30	-10.23	-0.01241	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				-20	-8.39	-0.01018	PASS		
				-10	-4.10	-0.00497	PASS		
				0	-5.20	-0.00631	PASS		
				10	-9.56	-0.0116	PASS		
				20	-3.97	-0.00482	PASS		
				30	-3.68	-0.00446	PASS		
				40	-11.07	-0.01343	PASS		
				50	-3.52	-0.00427	PASS		
		MCH	VN	-30	-5.91	-0.00706	PASS		
				-20	-3.68	-0.0044	PASS		
				-10	-5.17	-0.00618	PASS		
				0	-8.04	-0.00961	PASS		
				10	-9.49	-0.01134	PASS		
				20	-6.59	-0.00788	PASS		
				30	-10.04	-0.012	PASS		
				40	-5.65	-0.00675	PASS		
		HCH	VN	50	-5.49	-0.00656	PASS		
				-30	-8.56	-0.01008	PASS		
				-20	-1.58	-0.00186	PASS		
				-10	-6.59	-0.00776	PASS		
				0	-9.78	-0.01152	PASS		
				10	-4.75	-0.0056	PASS		
				20	-11.30	-0.01331	PASS		
				30	-7.94	-0.00935	PASS		
		GSM1900	GSM/TM1	LCH	VN	40	-12.01	-0.01415	PASS
						50	-5.10	-0.00601	PASS
						-30	-11.95	-0.00646	PASS
-20	-0.65					-0.00035	PASS		
-10	-5.55					-0.003	PASS		
0	-13.95					-0.00754	PASS		
10	-17.11					-0.00925	PASS		
20	-24.15					-0.01305	PASS		
MCH	VN			30	-10.59	-0.00572	PASS		
				40	-18.53	-0.01002	PASS		
				50	-11.24	-0.00608	PASS		
				-30	-19.18	-0.0102	PASS		
				-20	-15.82	-0.00841	PASS		
				-10	-7.75	-0.00412	PASS		
				0	-7.43	-0.00395	PASS		
				10	-17.05	-0.00907	PASS		

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
				20	-15.43	-0.00821	PASS						
				30	-5.68	-0.00302	PASS						
				40	-12.14	-0.00646	PASS						
				50	-8.78	-0.00467	PASS						
		HCH	VN			-30	-15.76	-0.00825	PASS				
						-20	-14.79	-0.00774	PASS				
						-10	-15.43	-0.00808	PASS				
						0	-16.21	-0.00849	PASS				
						10	-5.88	-0.00308	PASS				
						20	-6.59	-0.00345	PASS				
						30	-9.56	-0.00501	PASS				
						40	-8.14	-0.00426	PASS				
						50	-12.79	-0.0067	PASS				
						LCH	VN			-30	-12.62	-0.00682	PASS
										-20	-9.30	-0.00503	PASS
										-10	-25.25	-0.01365	PASS
	0	-15.66	-0.00846	PASS									
	10	-11.82	-0.00639	PASS									
	20	-2.65	-0.00143	PASS									
	30	-16.34	-0.00883	PASS									
	40	-2.29	-0.00124	PASS									
	50	-12.11	-0.00655	PASS									
	MCH	VN			-30					-9.91	-0.00527	PASS	
					-20					-9.10	-0.00484	PASS	
					-10					-9.88	-0.00526	PASS	
					0					-12.04	-0.0064	PASS	
					10					-21.24	-0.0113	PASS	
					20	-9.78	-0.0052	PASS					
					30	-14.72	-0.00783	PASS					
					40	-15.11	-0.00804	PASS					
	HCH	VN			50	-16.11	-0.00857	PASS					
					-30	-0.42	-0.00022	PASS					
					-20	-10.46	-0.00548	PASS					
					-10	-14.14	-0.0074	PASS					
					0	-12.82	-0.00671	PASS					
					10	-14.98	-0.00784	PASS					
					20	-13.72	-0.00718	PASS					
					30	-14.82	-0.00776	PASS					
					40	-9.62	-0.00504	PASS					
					50	-6.01	-0.00315	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	-0.44	-0.00053	PASS
				VN	0.09	0.00011	PASS
				VH	0.84	0.00102	PASS
		MCH	TN	VL	-2.38	-0.00285	PASS
				VN	2.47	0.00295	PASS
				VH	-0.55	-0.00066	PASS
		HCH	TN	VL	1.75	0.00207	PASS
				VN	-3.17	-0.00374	PASS
				VH	1.02	0.0012	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-3.94	-0.00213	PASS
				VN	-5.77	-0.00311	PASS
				VH	-3.34	-0.0018	PASS
		MCH	TN	VL	-7.95	-0.00423	PASS
				VN	-5.29	-0.00281	PASS
				VH	-4.70	-0.0025	PASS
		HCH	TN	VL	-1.92	-0.00101	PASS
				VN	-8.56	-0.00449	PASS
				VH	-8.10	-0.00425	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	2.27	0.00275	PASS
				-20	-2.66	-0.00322	PASS
				-10	-1.62	-0.00196	PASS
				0	0.89	0.00108	PASS
				10	-0.85	-0.00103	PASS
				20	-1.39	-0.00168	PASS
				30	2.66	0.00322	PASS
				40	-0.66	-0.0008	PASS
				50	0.12	0.00015	PASS
		MCH	VN	-30	0.70	0.00084	PASS
				-20	-2.47	-0.00295	PASS
				-10	-1.37	-0.00164	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				0	0.58	0.00069	PASS		
				10	0.66	0.00079	PASS		
				20	-0.69	-0.00082	PASS		
				30	-1.46	-0.00175	PASS		
				40	-0.47	-0.00056	PASS		
				50	-1.11	-0.00133	PASS		
		HCH	VN			-30	0.90	0.00106	PASS
						-20	0.70	0.00083	PASS
						-10	-1.40	-0.00165	PASS
						0	-1.94	-0.00229	PASS
						10	0.53	0.00063	PASS
						20	1.40	0.00165	PASS
						30	-1.10	-0.0013	PASS
						40	-0.93	-0.0011	PASS
						50	-0.90	-0.00106	PASS
						WCDMA190 0	UMTS/TM1	LCH	VN
-20	-6.29	-0.0034	PASS						
-10	-4.96	-0.00268	PASS						
0	-4.12	-0.00222	PASS						
10	-5.37	-0.0029	PASS						
20	-5.00	-0.0027	PASS						
30	-4.59	-0.00248	PASS						
40	-7.98	-0.00431	PASS						
50	-4.67	-0.00252	PASS						
MCH	VN			-30	-7.69				
				-20	-4.20			-0.00223	PASS
				-10	-4.78			-0.00254	PASS
				0	-7.31			-0.00389	PASS
				10	-4.96			-0.00264	PASS
				20	-1.27			-0.00068	PASS
				30	-6.06			-0.00322	PASS
				40	-6.99			-0.00372	PASS
HCH	VN			50	-5.00			-0.00266	PASS
				-30	-7.78			-0.00408	PASS
				-20	-6.07			-0.00318	PASS
				-10	-6.48			-0.0034	PASS
				0	-8.76			-0.00459	PASS
				10	-6.52			-0.00342	PASS
				20	-6.09			-0.00319	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				30	-3.91	-0.00205	PASS
				40	-9.17	-0.00481	PASS
				50	-5.11	-0.00268	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
BAND2	LTE/TM1	1.4	LCH	TN	VL	-7.34	-0.00397	PASS
					VN	1.12	0.00061	PASS
					VH	3.55	0.00192	PASS
			MCH	TN	VL	2.19	0.00116	PASS
					VN	-0.49	-0.00026	PASS
					VH	-1.99	-0.00106	PASS
			HCH	TN	VL	-10.23	-0.00536	PASS
					VN	-11.12	-0.00582	PASS
					VH	-7.85	-0.00411	PASS
		3	LCH	TN	VL	-8.15	-0.0044	PASS
					VN	-16.12	-0.00871	PASS
					VH	-14.89	-0.00804	PASS
			MCH	TN	VL	-5.95	-0.00316	PASS
					VN	-9.37	-0.00498	PASS
					VH	-12.79	-0.0068	PASS
			HCH	TN	VL	-1.70	-0.00089	PASS
					VN	-0.86	-0.00045	PASS
					VH	-4.61	-0.00242	PASS
		5	LCH	TN	VL	-2.29	-0.00124	PASS
					VN	0.37	0.0002	PASS
					VH	4.41	0.00238	PASS
			MCH	TN	VL	-9.13	-0.00486	PASS
					VN	-11.86	-0.00631	PASS
					VH	-16.11	-0.00857	PASS
HCH	TN		VL	-5.74	-0.00301	PASS		
			VN	6.52	0.00342	PASS		
			VH	1.54	0.00081	PASS		
10	LCH	TN	VL	-6.87	-0.0037	PASS		
			VN	-5.42	-0.00292	PASS		
			VH	-7.64	-0.00412	PASS		
	MCH	TN	VL	-3.03	-0.00161	PASS		
			VN	-14.88	-0.00791	PASS		
			VH	-17.84	-0.00949	PASS		
HCH	TN	VL	0.86	0.00045	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	15	LCH	TN	VN	-1.60	-0.00084	PASS
					VH	-8.15	-0.00428	PASS
					VL	-0.10	-0.00005	PASS
					VN	2.50	0.00135	PASS
					VH	3.39	0.00183	PASS
					VN	2.50	0.00135	PASS
			MCH	TN	VL	3.73	0.00198	PASS
					VN	-11.76	-0.00626	PASS
					VH	-0.20	-0.00011	PASS
					VL	-3.78	-0.00199	PASS
					VN	-4.33	-0.00228	PASS
					VH	-4.79	-0.00252	PASS
		20	LCH	TN	VL	-3.30	-0.00177	PASS
					VN	-10.07	-0.00541	PASS
					VH	-2.46	-0.00132	PASS
					VL	3.36	0.00179	PASS
					VN	-8.27	-0.0044	PASS
					VH	-13.98	-0.00744	PASS
			MCH	TN	VL	-13.80	-0.00726	PASS
					VN	1.23	0.00065	PASS
					VH	6.55	0.00345	PASS
					VL	-9.38	-0.00507	PASS
					VN	-3.10	-0.00168	PASS
					VH	1.39	0.00075	PASS
		1.4	LCH	TN	VL	-9.87	-0.00525	PASS
					VN	-10.74	-0.00571	PASS
					VH	-9.06	-0.00482	PASS
					VL	-5.87	-0.00307	PASS
					VN	-3.10	-0.00162	PASS
					VH	-0.47	-0.00025	PASS
			MCH	TN	VL	-3.75	-0.00203	PASS
					VN	-5.88	-0.00318	PASS
					VH	-13.03	-0.00704	PASS
					VL	-7.64	-0.00406	PASS
					VN	-10.73	-0.00571	PASS
					VH	-12.02	-0.00639	PASS
		3	MCH	TN	VL	1.46	0.00076	PASS
					VN	-1.93	-0.00101	PASS
					VH	-4.08	-0.00214	PASS
					VL	1.46	0.00076	PASS
					VN	-1.93	-0.00101	PASS
					VH	-4.08	-0.00214	PASS
5	LCH	TN	VL	1.20	0.00065	PASS		
			VN	1.20	0.00065	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	-9.71	-0.00524	PASS		
					VH	-5.48	-0.00296	PASS		
					MCH	TN	VL	-13.56	-0.00721	PASS
							VN	3.25	0.00173	PASS
					VH	-1.99	-0.00106	PASS		
					HCH	TN	VL	3.91	0.00205	PASS
			VN	1.47			0.00077	PASS		
			VH	1.56			0.00082	PASS		
			10	LCH	TN	VL	0.01	0.00001	PASS	
						VN	-13.36	-0.0072	PASS	
						VH	-5.34	-0.00288	PASS	
						MCH	TN	VL	-4.89	-0.0026
		VN						-13.68	-0.00728	PASS
		VH						2.40	0.00128	PASS
		HCH		TN	VL	4.06	0.00213	PASS		
					VN	0.59	0.00031	PASS		
					VH	0.26	0.00014	PASS		
		15		LCH	TN	VL	1.57	0.00085	PASS	
						VN	-1.29	-0.00069	PASS	
						VH	-7.18	-0.00387	PASS	
			MCH	TN	VL	-2.23	-0.00119	PASS		
					VN	-5.61	-0.00298	PASS		
					VH	-10.29	-0.00547	PASS		
			HCH	TN	VL	-10.86	-0.00571	PASS		
					VN	-14.75	-0.00775	PASS		
					VH	-17.22	-0.00905	PASS		
		20	LCH	TN	VL	-3.55	-0.00191	PASS		
					VN	-6.82	-0.00367	PASS		
					VH	-7.74	-0.00416	PASS		
			MCH	TN	VL	-3.48	-0.00185	PASS		
					VN	-8.67	-0.00461	PASS		
					VH	-16.82	-0.00895	PASS		
			HCH	TN	VL	4.98	0.00262	PASS		
					VN	-2.35	-0.00124	PASS		
					VH	-7.10	-0.00374	PASS		
		BAND4	LTE/TM1	1.4	LCH	TN	VL	-2.02	-0.00118	PASS
VN	-5.68						-0.00332	PASS		
VH	-4.98						-0.00291	PASS		
MCH	TN				VL	-0.20	-0.00012	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	2.66	0.00154	PASS
					VH	1.17	0.00068	PASS
					VL	-5.85	-0.00333	PASS
					VN	-2.17	-0.00124	PASS
					VH	-2.52	-0.00144	PASS
					VN	-2.17	-0.00124	PASS
		3	LCH	TN	VL	-3.66	-0.00214	PASS
					VN	-2.68	-0.00157	PASS
					VH	-2.65	-0.00155	PASS
			MCH	TN	VL	2.22	0.00128	PASS
					VN	-0.94	-0.00054	PASS
					VH	0.80	0.00046	PASS
			HCH	TN	VL	-4.92	-0.00281	PASS
					VN	-5.22	-0.00298	PASS
					VH	-6.08	-0.00347	PASS
		5	LCH	TN	VL	-3.72	-0.00217	PASS
					VN	-4.56	-0.00266	PASS
					VH	-5.62	-0.00328	PASS
			MCH	TN	VL	1.33	0.00077	PASS
					VN	3.42	0.00197	PASS
					VH	2.13	0.00123	PASS
			HCH	TN	VL	-4.62	-0.00264	PASS
					VN	-4.56	-0.0026	PASS
					VH	-3.32	-0.00189	PASS
		10	LCH	TN	VL	1.26	0.00073	PASS
					VN	0.41	0.00024	PASS
					VH	-0.64	-0.00037	PASS
			MCH	TN	VL	0.79	0.00046	PASS
					VN	0.41	0.00024	PASS
					VH	1.34	0.00077	PASS
			HCH	TN	VL	2.10	0.0012	PASS
					VN	1.29	0.00074	PASS
					VH	0.44	0.00025	PASS
		15	LCH	TN	VL	-7.34	-0.00427	PASS
					VN	-7.37	-0.00429	PASS
					VH	-8.03	-0.00468	PASS
MCH	TN		VL	3.00	0.00173	PASS		
			VN	3.06	0.00177	PASS		
			VH	0.92	0.00053	PASS		
HCH	TN	VL	-2.89	-0.00165	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		20	LCH	TN	VN	1.09	0.00062	PASS	
					VH	-1.80	-0.00103	PASS	
					VL	-0.86	-0.0005	PASS	
			MCH	TN	VN	0.30	0.00017	PASS	
					VH	0.19	0.00011	PASS	
					VL	-0.72	-0.00042	PASS	
		HCH	TN	VN	1.59	0.00092	PASS		
				VH	0.14	0.00008	PASS		
				VL	0.92	0.00053	PASS		
		LTE/TM2	1.4	LCH	TN	VN	-3.81	-0.00223	PASS
						VH	-1.99	-0.00116	PASS
						VL	-3.20	-0.00187	PASS
				MCH	TN	VN	3.26	0.00188	PASS
						VH	2.25	0.0013	PASS
						VL	3.89	0.00225	PASS
	HCH			TN	VN	1.29	0.00074	PASS	
					VH	0.66	0.00038	PASS	
					VL	-1.56	-0.00089	PASS	
	3		LCH	TN	VN	-1.75	-0.00102	PASS	
					VH	-1.02	-0.0006	PASS	
					VL	-1.82	-0.00106	PASS	
			MCH	TN	VN	1.95	0.00113	PASS	
					VH	2.80	0.00162	PASS	
					VL	4.31	0.00249	PASS	
	HCH		TN	VN	-5.64	-0.00322	PASS		
				VH	-4.46	-0.00254	PASS		
		VL		-5.65	-0.00322	PASS			
	5	LCH	TN	VN	-4.61	-0.00269	PASS		
				VH	-4.95	-0.00289	PASS		
				VL	-5.69	-0.00332	PASS		
		MCH	TN	VN	3.62	0.00209	PASS		
				VH	2.63	0.00152	PASS		
				VL	0.14	0.00008	PASS		
		HCH	TN	VN	-3.73	-0.00213	PASS		
				VH	-3.42	-0.00195	PASS		
				VL	-4.72	-0.00269	PASS		
	10	LCH	TN	VL	-1.19	-0.00069	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	2.55	0.00149	PASS		
					VH	-1.49	-0.00087	PASS		
					MCH	TN	VL	1.76	0.00102	PASS
							VN	3.48	0.00201	PASS
					VH	2.33	0.00134	PASS		
					HCH	TN	VL	1.37	0.00078	PASS
			VN	1.95			0.00111	PASS		
			VH	4.05			0.00231	PASS		
			15	LCH	TN	VL	-7.31	-0.00426	PASS	
						VN	-6.77	-0.00394	PASS	
						VH	-5.69	-0.00331	PASS	
				MCH	TN	VL	0.96	0.00055	PASS	
		VN				0.36	0.00021	PASS		
		VH				-0.07	-0.00004	PASS		
		HCH		TN	VL	-1.96	-0.00112	PASS		
					VN	-0.46	-0.00026	PASS		
					VH	-3.05	-0.00175	PASS		
		20		LCH	TN	VL	-1.82	-0.00106	PASS	
						VN	-1.95	-0.00113	PASS	
						VH	-1.72	-0.001	PASS	
			MCH	TN	VL	2.78	0.0016	PASS		
					VN	3.43	0.00198	PASS		
					VH	3.03	0.00175	PASS		
			HCH	TN	VL	4.09	0.00234	PASS		
					VN	1.63	0.00093	PASS		
					VH	5.87	0.00336	PASS		
		BAND5	LTE/TM1	1.4	LCH	TN	VL	-1.14	-0.00138	PASS
							VN	-3.10	-0.00376	PASS
							VH	-1.83	-0.00222	PASS
					MCH	TN	VL	1.49	0.00178	PASS
VN	-0.62						-0.00074	PASS		
VH	0.97						0.00116	PASS		
HCH	TN				VL	-1.77	-0.00209	PASS		
					VN	-3.76	-0.00443	PASS		
					VH	-2.60	-0.00306	PASS		
3	LCH			TN	VL	-1.96	-0.00237	PASS		
					VN	-0.44	-0.00053	PASS		
					VH	-2.13	-0.00258	PASS		
	MCH			TN	VL	2.90	0.00347	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	HCH	TN	VN	1.96	0.00234	PASS
					VH	1.73	0.00207	PASS
					VL	0.50	0.00059	PASS
					VN	0.40	0.00047	PASS
					VH	-1.47	-0.00173	PASS
					VH	-1.47	-0.00173	PASS
			LCH	TN	VL	-1.23	-0.00149	PASS
					VN	-1.95	-0.00236	PASS
					VH	-1.53	-0.00185	PASS
					VL	1.62	0.00194	PASS
					VN	0.36	0.00043	PASS
					VH	0.83	0.00099	PASS
		HCH	TN	VL	-1.46	-0.00172	PASS	
				VN	-1.66	-0.00196	PASS	
				VH	-2.30	-0.00272	PASS	
				VL	0.96	0.00116	PASS	
				VN	-0.94	-0.00113	PASS	
				VH	0.60	0.00072	PASS	
		10	MCH	TN	VL	0.54	0.00065	PASS
					VN	1.22	0.00146	PASS
					VH	0.09	0.00011	PASS
					VL	0.60	0.00071	PASS
					VN	1.17	0.00139	PASS
					VH	1.75	0.00207	PASS
			LCH	TN	VL	-0.84	-0.00102	PASS
					VN	-0.79	-0.00096	PASS
					VH	-0.34	-0.00041	PASS
					VL	-0.54	-0.00065	PASS
					VN	1.13	0.00135	PASS
					VH	2.80	0.00335	PASS
		3	HCH	TN	VL	-1.67	-0.00197	PASS
					VN	-0.60	-0.00071	PASS
					VH	-2.75	-0.00324	PASS
					VL	-1.36	-0.00165	PASS
					VN	-0.64	-0.00078	PASS
					VH	-2.00	-0.00242	PASS
			MCH	TN	VL	2.10	0.00251	PASS
					VN	-0.56	-0.00067	PASS
					VH	0.57	0.00068	PASS
					VL	-1.42	-0.00168	PASS
					VN	-1.42	-0.00168	PASS
					VH	-1.42	-0.00168	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
		5	LCH	TN	VN	-0.90	-0.00106	PASS		
					VH	-1.66	-0.00196	PASS		
					VL	-1.56	-0.00189	PASS		
			MCH	TN	VN	-1.07	-0.00129	PASS		
					VH	-0.69	-0.00083	PASS		
					VL	1.56	0.00186	PASS		
		HCH	TN	VN	2.02	0.00241	PASS			
				VH	0.30	0.00036	PASS			
				VL	-2.98	-0.00352	PASS			
		10	LCH	TN	VN	-3.12	-0.00369	PASS		
					VH	-2.69	-0.00318	PASS		
					VL	0.06	0.00007	PASS		
			MCH	TN	VN	-0.17	-0.00021	PASS		
					VH	0.16	0.00019	PASS		
					VL	1.13	0.00135	PASS		
			HCH	TN	VN	0.90	0.00108	PASS		
					VH	0.40	0.00048	PASS		
					VL	1.49	0.00177	PASS		
		BAND17	LTE/TM1	5	LCH	TN	VN	0.84	0.001	PASS
							VH	1.20	0.00142	PASS
							VL	-1.42	-0.00201	PASS
					MCH	TN	VN	-2.99	-0.00423	PASS
							VH	-2.53	-0.00358	PASS
							VL	-0.44	-0.00062	PASS
HCH	TN			VN	-1.32	-0.00186	PASS			
				VH	-1.89	-0.00266	PASS			
				VL	-1.03	-0.00144	PASS			
10	LCH			TN	VN	-1.93	-0.0027	PASS		
					VH	-2.02	-0.00283	PASS		
					VL	-3.85	-0.00543	PASS		
	MCH			TN	VN	-2.63	-0.00371	PASS		
					VH	-3.03	-0.00427	PASS		
			VL		-2.02	-0.00285	PASS			
HCH	TN	VN	-1.92	-0.0027	PASS					
		VH	-1.53	-0.00215	PASS					
		VL	-2.53	-0.00356	PASS					
LTE/TM2	5	LCH	TN	VN	-1.46	-0.00205	PASS			
				VH	-2.02	-0.00284	PASS			
				VL	-1.17	-0.00166	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-2.56	-0.00362	PASS
					VH	-1.53	-0.00217	PASS
			MCH	TN	VL	-0.40	-0.00056	PASS
					VN	-0.80	-0.00113	PASS
			VH		VH	-1.09	-0.00154	PASS
		HCH	TN	VL	-1.83	-0.00256	PASS	
				VN	-1.27	-0.00178	PASS	
		VH		VH	-2.33	-0.00327	PASS	
		10	LCH	TN	VL	-1.26	-0.00178	PASS
					VN	-1.29	-0.00182	PASS
			VH		VH	-1.57	-0.00221	PASS
			MCH	TN	VL	-0.21	-0.0003	PASS
					VN	-2.33	-0.00328	PASS
		VH		VH	-0.86	-0.00121	PASS	
HCH	TN	VL	-2.27	-0.00319	PASS			
		VN	-0.93	-0.00131	PASS			
VH		VH	-1.26	-0.00177	PASS			

8.3.2 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
BAND2	LTE/TM1	1.4	LCH	VN	-30	4.23	0.00229	PASS
					-20	7.75	0.00419	PASS
					-10	5.12	0.00277	PASS
					0	-10.04	-0.00542	PASS
					10	-5.79	-0.00313	PASS
					20	-2.79	-0.00151	PASS
					30	-1.96	-0.00106	PASS
					40	-3.26	-0.00176	PASS
			MCH	VN	50	-2.80	-0.00151	PASS
					-30	-7.95	-0.00423	PASS
					-20	-13.26	-0.00705	PASS
					-10	-16.64	-0.00885	PASS
					0	2.39	0.00127	PASS
					10	-2.82	-0.0015	PASS
20	-6.95	-0.0037	PASS					
30	-11.23	-0.00597	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	-13.46	-0.00716	PASS		
					50	-9.31	-0.00495	PASS		
			HCH	VN	-30	5.02	0.00263	PASS		
					-20	0.93	0.00049	PASS		
					-10	0.79	0.00041	PASS		
					0	-9.38	-0.00491	PASS		
					10	-11.27	-0.0059	PASS		
					20	-11.09	-0.00581	PASS		
					30	-14.49	-0.00759	PASS		
					40	-8.98	-0.0047	PASS		
		50	-13.83	-0.00724	PASS					
					LCH	VN	-30	-12.20	-0.00659	PASS
							-20	-17.74	-0.00958	PASS
							-10	-12.76	-0.00689	PASS
							0	-11.67	-0.0063	PASS
							10	-10.53	-0.00569	PASS
							20	-9.97	-0.00538	PASS
							30	-10.16	-0.00549	PASS
							40	-11.12	-0.00601	PASS
							50	-11.76	-0.00635	PASS
										MCH
		-20	-3.59	-0.00191	PASS					
		-10	-1.79	-0.00095	PASS					
		0	-9.63	-0.00512	PASS					
		10	-17.84	-0.00949	PASS					
		20	3.42	0.00182	PASS					
		30	-6.52	-0.00347	PASS					
		40	-10.53	-0.0056	PASS					
		50	-14.89	-0.00792	PASS					
					HCH	VN				
							-20	-9.94	-0.00521	PASS
							-10	-11.96	-0.00627	PASS
							0	-17.72	-0.00928	PASS
							10	-13.45	-0.00705	PASS
							20	-0.16	-0.00008	PASS
							30	-2.16	-0.00113	PASS
							40	-4.12	-0.00216	PASS
							50	-7.04	-0.00369	PASS
							5		LCH	VN

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-1.34	-0.00072	PASS	
					-10	-1.92	-0.00104	PASS	
					0	-2.53	-0.00137	PASS	
					10	-2.79	-0.00151	PASS	
					20	-4.39	-0.00237	PASS	
					30	-6.58	-0.00355	PASS	
					40	-5.24	-0.00283	PASS	
					50	-3.40	-0.00184	PASS	
			MCH	VN	-30	-1.16	-0.00062	PASS	
					-20	-9.84	-0.00523	PASS	
					-10	-14.91	-0.00793	PASS	
					0	2.42	0.00129	PASS	
					10	-3.02	-0.00161	PASS	
					20	-10.21	-0.00543	PASS	
					30	-17.75	-0.00944	PASS	
					40	3.43	0.00182	PASS	
			HCH	VN	-30	3.93	0.00206	PASS	
					-20	3.96	0.00208	PASS	
					-10	2.10	0.0011	PASS	
					0	0.50	0.00026	PASS	
					10	-3.33	-0.00175	PASS	
					20	-5.31	-0.00278	PASS	
					30	-4.61	-0.00242	PASS	
					40	-6.04	-0.00317	PASS	
			10	LCH	VN	-30	-2.37	-0.00128	PASS
						-20	0.06	0.00003	PASS
						-10	3.56	0.00192	PASS
						0	6.61	0.00356	PASS
		10				8.28	0.00446	PASS	
		20				5.64	0.00304	PASS	
		30				-1.32	-0.00071	PASS	
		40				-6.88	-0.00371	PASS	
		50		-12.52	-0.00675	PASS			
		MCH		VN	-30	0.67	0.00036	PASS	
					-20	-5.41	-0.00288	PASS	
					-10	-15.86	-0.00844	PASS	
			0		-0.30	-0.00016	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
				VN	10	-9.70	-0.00516	PASS	
					20	-12.89	-0.00686	PASS	
					30	1.87	0.00099	PASS	
					40	-8.08	-0.0043	PASS	
					50	-17.35	-0.00923	PASS	
			HCH		-30	0.26	0.00014	PASS	
					-20	0.34	0.00018	PASS	
					-10	-1.99	-0.00104	PASS	
					0	-3.73	-0.00196	PASS	
					10	-6.85	-0.0036	PASS	
					20	-10.79	-0.00566	PASS	
					30	-11.52	-0.00605	PASS	
					40	9.24	0.00485	PASS	
					50	6.78	0.00356	PASS	
					LCH	-30	-6.19	-0.00333	PASS
						-20	-7.57	-0.00408	PASS
						-10	-9.27	-0.00499	PASS
						0	-11.54	-0.00621	PASS
						10	-15.05	-0.0081	PASS
						20	-1.92	-0.00103	PASS
		30	3.82	0.00206		PASS			
		40	2.57	0.00138		PASS			
		50	-1.47	-0.00079		PASS			
		MCH	-30	0.00		0	PASS		
			-20	-11.04	-0.00587	PASS			
			-10	3.52	0.00187	PASS			
			0	-9.47	-0.00504	PASS			
			10	-5.22	-0.00278	PASS			
			20	-4.09	-0.00218	PASS			
			30	-15.16	-0.00806	PASS			
			40	4.21	0.00224	PASS			
			50	-1.02	-0.00054	PASS			
			HCH	-30	-9.17	-0.00482	PASS		
		-20		-8.61	-0.00453	PASS			
		-10		-6.25	-0.00329	PASS			
		0		-4.29	-0.00225	PASS			
		10		-5.24	-0.00275	PASS			
		20		-4.32	-0.00227	PASS			
		30		-5.25	-0.00276	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20	LCH	VN	40	-4.88	-0.00257	PASS
					50	-6.88	-0.00362	PASS
					-30	6.58	0.00354	PASS
					-20	8.74	0.0047	PASS
					-10	8.80	0.00473	PASS
					0	6.59	0.00354	PASS
					10	-10.49	-0.00564	PASS
					20	-8.35	-0.00449	PASS
					30	-6.39	-0.00344	PASS
					40	-4.02	-0.00216	PASS
			50	-4.45	-0.00239	PASS		
			MCH	VN	-30	-6.62	-0.00352	PASS
					-20	-10.83	-0.00576	PASS
					-10	-12.32	-0.00655	PASS
					0	3.15	0.00168	PASS
					10	-4.51	-0.0024	PASS
					20	-8.40	-0.00447	PASS
					30	-13.98	-0.00744	PASS
					40	4.26	0.00227	PASS
					50	-0.43	-0.00023	PASS
	HCH	VN			-30	-5.48	-0.00288	PASS
			-20	-0.70	-0.00037	PASS		
			-10	-1.27	-0.00067	PASS		
			0	-1.06	-0.00056	PASS		
			10	-2.93	-0.00154	PASS		
			20	-2.37	-0.00125	PASS		
			30	-2.50	-0.00132	PASS		
			40	-0.74	-0.00039	PASS		
	50	1.39	0.00073	PASS				
	LTE/TM2	1.4	LCH	VN	-30	3.66	0.00198	PASS
					-20	2.80	0.00151	PASS
					-10	-6.12	-0.00331	PASS
0					4.01	0.00217	PASS	
10					7.54	0.00407	PASS	
20					-4.76	-0.00257	PASS	
30					3.03	0.00164	PASS	
40					0.41	0.00022	PASS	
50			-5.66	-0.00306	PASS			
MCH			VN	-30	-0.34	-0.00018	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	1.30	0.00069	PASS		
					-10	2.00	0.00106	PASS		
					0	4.35	0.00231	PASS		
					10	-4.98	-0.00265	PASS		
					20	0.26	0.00014	PASS		
					30	-2.72	-0.00145	PASS		
					40	-7.41	-0.00394	PASS		
					50	-2.36	-0.00126	PASS		
			HCH	VN	-30	-0.06	-0.00003	PASS		
					-20	4.45	0.00233	PASS		
					-10	-3.09	-0.00162	PASS		
					0	-12.09	-0.00633	PASS		
					10	-8.44	-0.00442	PASS		
					20	-4.12	-0.00216	PASS		
					30	-1.20	-0.00063	PASS		
					40	1.09	0.00057	PASS		
			LCH	VN	-30	-15.48	-0.00836	PASS		
					-20	-14.08	-0.0076	PASS		
					-10	-12.13	-0.00655	PASS		
					0	-7.57	-0.00409	PASS		
		10			-1.59	-0.00086	PASS			
		20			-7.85	-0.00424	PASS			
		30			-13.90	-0.00751	PASS			
		40			-11.99	-0.00648	PASS			
		MCH	VN	-30	-8.34	-0.00444	PASS			
				-20	-12.26	-0.00652	PASS			
				-10	-16.39	-0.00872	PASS			
				0	-11.40	-0.00606	PASS			
				10	-12.17	-0.00647	PASS			
				20	-9.54	-0.00507	PASS			
				30	-10.74	-0.00571	PASS			
				40	-11.96	-0.00636	PASS			
		HCH	VN	-30	-10.50	-0.0055	PASS			
				-20	-10.64	-0.00558	PASS			
				-10	-11.54	-0.00605	PASS			
				0	-12.57	-0.00659	PASS			
		3								

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		5			10	-14.32	-0.0075	PASS	
					20	-14.08	-0.00738	PASS	
					30	-15.62	-0.00818	PASS	
					40	-12.00	-0.00629	PASS	
					50	0.13	0.00007	PASS	
			LCH	VN	-30	-10.41	-0.00562	PASS	
					-20	-4.31	-0.00233	PASS	
					-10	-0.92	-0.0005	PASS	
					0	6.24	0.00337	PASS	
					10	9.18	0.00496	PASS	
		20			6.94	0.00375	PASS		
		30			10.11	0.00546	PASS		
		40			-2.43	-0.00131	PASS		
		50			-9.84	-0.00531	PASS		
		MCH			VN	-30	-11.77	-0.00626	PASS
						-20	-19.15	-0.01019	PASS
						-10	-15.61	-0.0083	PASS
						0	2.99	0.00159	PASS
						10	-1.34	-0.00071	PASS
						20	0.34	0.00018	PASS
			30	-1.32		-0.0007	PASS		
		40	-8.97	-0.00477	PASS				
		50	-13.79	-0.00734	PASS				
		HCH	VN	-30	-8.20	-0.0043	PASS		
				-20	-11.73	-0.00615	PASS		
				-10	-15.48	-0.00812	PASS		
				0	-14.56	-0.00763	PASS		
				10	-13.07	-0.00685	PASS		
				20	-2.23	-0.00117	PASS		
				30	2.52	0.00132	PASS		
				40	2.73	0.00143	PASS		
		50	2.99	0.00157	PASS				
		10	LCH	VN	-30	-7.58	-0.00409	PASS	
					-20	-8.53	-0.0046	PASS	
					-10	-10.14	-0.00547	PASS	
					0	-7.15	-0.00385	PASS	
					10	-6.28	-0.00339	PASS	
					20	-4.95	-0.00267	PASS	
					30	-6.29	-0.00339	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-4.39	-0.00237	PASS
					50	-2.85	-0.00154	PASS
			MCH	VN	-30	-15.42	-0.0082	PASS
					-20	3.38	0.0018	PASS
					-10	-1.36	-0.00072	PASS
					0	-9.61	-0.00511	PASS
					10	-17.95	-0.00955	PASS
					20	1.13	0.0006	PASS
					30	-2.68	-0.00143	PASS
					40	-4.99	-0.00265	PASS
					50	-5.87	-0.00312	PASS
					HCH	VN	-30	4.42
			-20	-1.80			-0.00094	PASS
			-10	-3.50			-0.00184	PASS
			0	-6.68			-0.00351	PASS
			10	-6.11			-0.00321	PASS
			20	-7.68			-0.00403	PASS
			30	-9.67			-0.00508	PASS
			40	-8.41			-0.00441	PASS
			15	LCH	VN	-30	1.70	0.00092
		-20				-2.39	-0.00129	PASS
		-10				-0.97	-0.00052	PASS
		0				3.99	0.00215	PASS
		10				3.50	0.00188	PASS
		20				2.12	0.00114	PASS
		30				1.70	0.00092	PASS
		40				-1.29	-0.00069	PASS
		50				-2.78	-0.0015	PASS
		MCH				VN	-30	-10.91
				-20	6.34		0.00337	PASS
				-10	-6.09		-0.00324	PASS
				0	-14.10		-0.0075	PASS
				10	-0.54		-0.00029	PASS
				20	-1.90		-0.00101	PASS
				30	-4.32		-0.0023	PASS
				40	-13.75		-0.00731	PASS
				50	-2.72		-0.00145	PASS
				HCH	VN		-30	-0.24

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	-3.18	-0.00167	PASS		
					-10	-0.04	-0.00002	PASS		
					0	-0.09	-0.00005	PASS		
					10	-3.28	-0.00172	PASS		
					20	-7.24	-0.00381	PASS		
					30	-7.61	-0.004	PASS		
					40	-11.06	-0.00581	PASS		
					50	-13.36	-0.00702	PASS		
		20	LCH	VN	-30	-4.22	-0.00227	PASS		
					-20	-6.29	-0.00338	PASS		
					-10	-7.27	-0.00391	PASS		
					0	-4.86	-0.00261	PASS		
					10	-5.64	-0.00303	PASS		
					20	-1.62	-0.00087	PASS		
					30	0.19	0.0001	PASS		
					40	-1.22	-0.00066	PASS		
					50	-2.85	-0.00153	PASS		
					MCH	VN	-30	-9.83	-0.00523	PASS
							-20	-17.58	-0.00935	PASS
							-10	-0.60	-0.00032	PASS
			0	-8.18			-0.00435	PASS		
			10	-12.27			-0.00653	PASS		
			20	-18.14			-0.00965	PASS		
			30	0.62			0.00033	PASS		
			40	-2.15			-0.00114	PASS		
			HCH	VN	-30	0.92	0.00048	PASS		
					-20	0.53	0.00028	PASS		
					-10	-1.76	-0.00093	PASS		
					0	-1.57	-0.00083	PASS		
					10	-1.96	-0.00103	PASS		
					20	-2.09	-0.0011	PASS		
					30	-1.83	-0.00096	PASS		
40	-1.13	-0.00059			PASS					
50	-1.59	-0.00084	PASS							
BAND4	LTE/TM1	1.4	LCH	VN	-30	-3.29	-0.00192	PASS		
					-20	-4.05	-0.00237	PASS		
					-10	-4.43	-0.00259	PASS		
					0	-6.15	-0.0036	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
					10	-5.06	-0.00296	PASS				
					20	-0.73	-0.00043	PASS				
					30	-2.45	-0.00143	PASS				
					40	-3.13	-0.00183	PASS				
					50	-2.43	-0.00142	PASS				
			MCH		VN			-30	0.69	0.0004	PASS	
								-20	2.68	0.00155	PASS	
								-10	2.96	0.00171	PASS	
								0	1.97	0.00114	PASS	
								10	1.90	0.0011	PASS	
							20	3.65	0.00211	PASS		
							30	-0.66	-0.00038	PASS		
							40	1.30	0.00075	PASS		
							50	3.98	0.0023	PASS		
							HCH	VN			-30	-3.59
			-20		-4.75						-0.00271	PASS
			-10		-4.73						-0.0027	PASS
			0		-1.66						-0.00095	PASS
			10		-4.86						-0.00277	PASS
			20		-2.29					-0.00131	PASS	
		30	-0.96	-0.00055	PASS							
		40	-4.38	-0.0025	PASS							
		50	-4.72	-0.00269	PASS							
		3	LCH		VN					-30	-3.53	-0.00206
							-20	-3.92		-0.00229	PASS	
						-10	-1.95	-0.00114		PASS		
						0	-1.57	-0.00092		PASS		
						10	-5.15	-0.00301		PASS		
						20	-2.07	-0.00121		PASS		
						30	-2.20	-0.00129		PASS		
						40	-0.77	-0.00045		PASS		
						50	-2.25	-0.00131		PASS		
						MCH	VN				-30	2.43
			-20		4.38						0.00253	PASS
			-10		3.23				0.00186		PASS	
			0		2.00				0.00115		PASS	
			10		0.47				0.00027		PASS	
			20		2.66				0.00154		PASS	
			30		2.57				0.00148		PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	3.39	0.00196	PASS		
					50	2.96	0.00171	PASS		
			HCH	VN	-30	-6.87	-0.00392	PASS		
					-20	-8.31	-0.00474	PASS		
					-10	-7.31	-0.00417	PASS		
					0	-6.31	-0.0036	PASS		
					10	-5.01	-0.00286	PASS		
					20	-7.01	-0.004	PASS		
					30	-7.40	-0.00422	PASS		
					40	-6.42	-0.00366	PASS		
		50	-4.21	-0.0024	PASS					
					LCH	VN	-30	-5.29	-0.00309	PASS
							-20	-6.15	-0.00359	PASS
							-10	-6.08	-0.00355	PASS
							0	-3.91	-0.00228	PASS
							10	-5.54	-0.00324	PASS
							20	-3.81	-0.00222	PASS
							30	-3.91	-0.00228	PASS
							40	-5.48	-0.0032	PASS
							50	-5.25	-0.00307	PASS
										MCH
		-20	1.23	0.00071	PASS					
		-10	0.34	0.0002	PASS					
		0	0.64	0.00037	PASS					
		10	0.60	0.00035	PASS					
		20	-0.03	-0.00002	PASS					
		30	2.72	0.00157	PASS					
		40	1.66	0.00096	PASS					
		50	1.27	0.00073	PASS					
					HCH	VN				
							-20	-5.29	-0.00302	PASS
							-10	-3.55	-0.00203	PASS
							0	-4.53	-0.00258	PASS
							10	-3.73	-0.00213	PASS
							20	-4.22	-0.00241	PASS
							30	-4.76	-0.00272	PASS
							40	-2.73	-0.00156	PASS
							50	-2.52	-0.00144	PASS
							10	LCH	VN	-30

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	1.37	0.0008	PASS	
					-10	-1.32	-0.00077	PASS	
					0	2.06	0.0012	PASS	
					10	0.57	0.00033	PASS	
					20	-0.34	-0.0002	PASS	
					30	2.26	0.00132	PASS	
					40	-0.30	-0.00017	PASS	
					50	2.90	0.00169	PASS	
			MCH	VN	-30	2.98	0.00172	PASS	
					-20	2.42	0.0014	PASS	
					-10	0.21	0.00012	PASS	
					0	4.49	0.00259	PASS	
					10	2.35	0.00136	PASS	
					20	-0.64	-0.00037	PASS	
					30	4.55	0.00263	PASS	
					40	0.99	0.00057	PASS	
			HCH	VN	-30	4.01	0.00229	PASS	
					-20	4.48	0.00256	PASS	
					-10	1.53	0.00087	PASS	
					0	1.32	0.00075	PASS	
					10	3.93	0.00225	PASS	
					20	2.23	0.00127	PASS	
					30	2.02	0.00115	PASS	
					40	2.06	0.00118	PASS	
			15	LCH	VN	-30	-6.98	-0.00406	PASS
						-20	-7.84	-0.00456	PASS
						-10	-4.05	-0.00236	PASS
						0	-7.52	-0.00438	PASS
		10				-6.90	-0.00402	PASS	
		20				-6.68	-0.00389	PASS	
		30				-7.07	-0.00412	PASS	
		40				-5.38	-0.00313	PASS	
		50		-6.09	-0.00355	PASS			
		MCH		VN	-30	1.77	0.00102	PASS	
					-20	-1.39	-0.0008	PASS	
					-10	-0.16	-0.00009	PASS	
			0		0.96	0.00055	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
					10	1.93	0.00111	PASS				
					20	0.09	0.00005	PASS				
					30	3.18	0.00184	PASS				
					40	0.96	0.00055	PASS				
					50	0.76	0.00044	PASS				
			HCH		VN			-30	0.27	0.00015	PASS	
								-20	-3.71	-0.00212	PASS	
								-10	-3.92	-0.00224	PASS	
								0	-3.42	-0.00196	PASS	
								10	0.63	0.00036	PASS	
							20	-1.13	-0.00065	PASS		
							30	-0.37	-0.00021	PASS		
							40	-2.80	-0.0016	PASS		
							50	-4.03	-0.00231	PASS		
							LCH	VN			-30	0.80
			-20		-2.25						-0.00131	PASS
			-10		1.04						0.0006	PASS
			0		-2.57						-0.00149	PASS
			10		-1.83						-0.00106	PASS
			20		-0.41					-0.00024	PASS	
		30	1.69	0.00098	PASS							
		40	-3.28	-0.00191	PASS							
		50	0.39	0.00023	PASS							
		MCH	VN							-30	0.39	0.00023
							-20	0.94		0.00054	PASS	
						-10	0.33	0.00019		PASS		
						0	1.36	0.00078		PASS		
						10	3.68	0.00212		PASS		
					20	2.80	0.00162	PASS				
					30	1.62	0.00094	PASS				
					40	2.10	0.00121	PASS				
					50	-0.49	-0.00028	PASS				
					HCH	VN				-30	6.04	0.00346
		-20	5.01							0.00287	PASS	
		-10	5.59						0.0032	PASS		
		0	6.34						0.00363	PASS		
		10	5.62						0.00322	PASS		
		20	4.45					0.00255	PASS			
		30	1.46					0.00084	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	LCH	VN	40	2.57	0.00147	PASS
					50	6.62	0.00379	PASS
					-30	-2.49	-0.00146	PASS
					-20	-2.43	-0.00142	PASS
					-10	-4.25	-0.00248	PASS
					0	0.44	0.00026	PASS
					10	-3.29	-0.00192	PASS
					20	-3.05	-0.00178	PASS
					30	-4.11	-0.0024	PASS
			40	-1.82	-0.00106	PASS		
			50	-3.05	-0.00178	PASS		
			MCH	VN	-30	0.60	0.00035	PASS
					-20	2.57	0.00148	PASS
					-10	3.33	0.00192	PASS
					0	5.22	0.00301	PASS
					10	3.43	0.00198	PASS
					20	1.23	0.00071	PASS
					30	3.39	0.00196	PASS
		40			2.88	0.00166	PASS	
		50			3.76	0.00217	PASS	
		HCH	VN	-30	-1.60	-0.00091	PASS	
				-20	-2.13	-0.00121	PASS	
				-10	-1.80	-0.00103	PASS	
				0	-1.56	-0.00089	PASS	
				10	-2.16	-0.00123	PASS	
				20	-0.19	-0.00011	PASS	
				30	-0.46	-0.00026	PASS	
				40	-4.66	-0.00266	PASS	
				50	1.43	0.00082	PASS	
		3	LCH	VN	-30	-3.03	-0.00177	PASS
					-20	-1.93	-0.00113	PASS
					-10	-0.24	-0.00014	PASS
					0	-1.70	-0.00099	PASS
10	-3.65				-0.00213	PASS		
20	-0.51				-0.0003	PASS		
30	-0.59				-0.00034	PASS		
40	-2.39				-0.0014	PASS		
50	-1.23				-0.00072	PASS		
MCH	VN		-30	4.39	0.00253	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	3.75	0.00216	PASS		
					-10	3.65	0.00211	PASS		
					0	3.53	0.00204	PASS		
					10	1.22	0.0007	PASS		
					20	-0.50	-0.00029	PASS		
					30	2.25	0.0013	PASS		
					40	2.19	0.00126	PASS		
					50	1.16	0.00067	PASS		
			HCH	VN	-30	-6.39	-0.00364	PASS		
					-20	-5.95	-0.00339	PASS		
					-10	-5.06	-0.00289	PASS		
					0	-7.34	-0.00419	PASS		
					10	-7.35	-0.00419	PASS		
					20	-5.11	-0.00291	PASS		
					30	-6.97	-0.00397	PASS		
					40	-5.88	-0.00335	PASS		
			LCH	VN	-30	-5.54	-0.00324	PASS		
					-20	-5.28	-0.00308	PASS		
					-10	-5.61	-0.00328	PASS		
					0	-5.19	-0.00303	PASS		
		10			-6.27	-0.00366	PASS			
		20			-3.62	-0.00211	PASS			
		30			-4.23	-0.00247	PASS			
		40			-4.99	-0.00291	PASS			
		MCH	VN	-30	3.25	0.00188	PASS			
				-20	3.32	0.00192	PASS			
				-10	3.45	0.00199	PASS			
				0	2.89	0.00167	PASS			
				10	4.35	0.00251	PASS			
				20	2.03	0.00117	PASS			
				30	1.70	0.00098	PASS			
				40	1.27	0.00073	PASS			
		HCH	VN	-30	-4.02	-0.00229	PASS			
				-20	-4.46	-0.00254	PASS			
				-10	-5.12	-0.00292	PASS			
				0	-2.42	-0.00138	PASS			
		5					-30	-5.54	-0.00324	PASS
							-20	-5.28	-0.00308	PASS
							-10	-5.61	-0.00328	PASS
							0	-5.19	-0.00303	PASS
10	-6.27						-0.00366	PASS		
20	-3.62						-0.00211	PASS		
30	-4.23						-0.00247	PASS		
40	-4.99						-0.00291	PASS		
							-30	3.25	0.00188	PASS
							-20	3.32	0.00192	PASS
							-10	3.45	0.00199	PASS
							0	2.89	0.00167	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	-3.39	-0.00193	PASS			
					20	-7.68	-0.00438	PASS			
					30	-5.46	-0.00312	PASS			
					40	-2.73	-0.00156	PASS			
					50	-3.81	-0.00217	PASS			
					10	LCH	VN	-30	1.75	0.00102	PASS
								-20	1.43	0.00083	PASS
								-10	0.47	0.00027	PASS
								0	3.05	0.00178	PASS
								10	-0.13	-0.00008	PASS
		20	-0.11	-0.00006				PASS			
		30	-0.56	-0.00033				PASS			
		40	-1.36	-0.00079				PASS			
		50	-2.06	-0.0012				PASS			
		10	MCH	VN				-30	1.33	0.00077	PASS
					-20	0.97	0.00056	PASS			
					-10	0.69	0.0004	PASS			
					0	3.59	0.00207	PASS			
					10	1.54	0.00089	PASS			
					20	4.13	0.00238	PASS			
					30	1.04	0.0006	PASS			
					40	1.24	0.00072	PASS			
					50	0.83	0.00048	PASS			
					10	HCH	VN	-30	2.93	0.00167	PASS
		-20	1.75	0.001				PASS			
		-10	4.66	0.00266				PASS			
		0	4.38	0.0025				PASS			
		10	0.77	0.00044				PASS			
		20	1.95	0.00111				PASS			
		30	3.68	0.0021				PASS			
		40	2.93	0.00167				PASS			
		50	1.24	0.00071				PASS			
		15	LCH	VN				-30	-3.93	-0.00229	PASS
					-20	-3.91	-0.00228	PASS			
					-10	-6.44	-0.00375	PASS			
					0	-4.55	-0.00265	PASS			
					10	-4.22	-0.00246	PASS			
					20	-3.62	-0.00211	PASS			
					30	-7.01	-0.00408	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	-3.69	-0.00215	PASS	
					50	-6.57	-0.00383	PASS	
			MCH	VN	-30	2.46	0.00142	PASS	
					-20	3.43	0.00198	PASS	
					-10	-0.14	-0.00008	PASS	
					0	3.75	0.00216	PASS	
					10	0.94	0.00054	PASS	
					20	1.73	0.001	PASS	
					30	2.12	0.00122	PASS	
					40	0.87	0.0005	PASS	
					50	1.14	0.00066	PASS	
					HCH	VN	-30	1.79	0.00102
			-20	-1.47			-0.00084	PASS	
			-10	-2.83			-0.00162	PASS	
			0	-1.85			-0.00106	PASS	
			10	-2.60			-0.00149	PASS	
			20	-0.44			-0.00025	PASS	
			30	-1.07			-0.00061	PASS	
		40	-1.69	-0.00097			PASS		
		20		LCH	VN	-30	-3.48	-0.00202	PASS
						-20	-3.02	-0.00176	PASS
						-10	-3.23	-0.00188	PASS
						0	-1.46	-0.00085	PASS
						10	0.57	0.00033	PASS
						20	-2.07	-0.0012	PASS
						30	0.99	0.00058	PASS
						40	0.36	0.00021	PASS
						50	-2.62	-0.00152	PASS
				MCH	VN	-30	2.73	0.00158	PASS
						-20	-0.72	-0.00042	PASS
						-10	2.98	0.00172	PASS
						0	1.02	0.00059	PASS
						10	-0.16	-0.00009	PASS
20	-1.42					-0.00082	PASS		
HCH	VN	30	-1.16	-0.00067	PASS				
		40	1.46	0.00084	PASS				
		50	2.86	0.00165	PASS				
			HCH	VN	-30	3.49	0.002	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	1.47	0.00084	PASS	
					-10	1.69	0.00097	PASS	
					0	5.34	0.00306	PASS	
					10	2.39	0.00137	PASS	
					20	2.45	0.0014	PASS	
					30	3.32	0.0019	PASS	
					40	1.20	0.00069	PASS	
					50	5.51	0.00316	PASS	
BAND5	LTE/TM1	1.4	LCH	VN	-30	-0.06	-0.00007	PASS	
					-20	-1.85	-0.00224	PASS	
					-10	-2.35	-0.00285	PASS	
					0	-0.57	-0.00069	PASS	
					10	0.72	0.00087	PASS	
					20	-0.14	-0.00017	PASS	
					30	-1.12	-0.00136	PASS	
					40	0.30	0.00036	PASS	
			50		-0.70	-0.00085	PASS		
			MCH		VN	-30	0.92	0.0011	PASS
						-20	-1.22	-0.00146	PASS
						-10	0.17	0.0002	PASS
						0	0.21	0.00025	PASS
						10	0.70	0.00084	PASS
						20	0.07	0.00008	PASS
						30	-0.03	-0.00004	PASS
		40		-0.97		-0.00116	PASS		
		50	0.73	0.00087	PASS				
		HCH	VN	-30	-2.66	-0.00314	PASS		
				-20	-2.93	-0.00345	PASS		
				-10	-2.00	-0.00236	PASS		
				0	-2.52	-0.00297	PASS		
				10	-2.56	-0.00302	PASS		
				20	-2.90	-0.00342	PASS		
				30	-2.62	-0.00309	PASS		
				40	-3.23	-0.00381	PASS		
		50	-2.52	-0.00297	PASS				
		3	LCH	VN	-30	-1.83	-0.00222	PASS	
-20	-1.54				-0.00187	PASS			
-10	-1.66				-0.00201	PASS			
0	-2.10				-0.00254	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					10	-2.65	-0.00321	PASS					
					20	-2.15	-0.0026	PASS					
					30	-2.53	-0.00306	PASS					
					40	-3.06	-0.00371	PASS					
					50	-2.33	-0.00282	PASS					
			MCH		VN			-30	1.40	0.00167	PASS		
								-20	0.90	0.00108	PASS		
								-10	0.49	0.00059	PASS		
								0	1.00	0.0012	PASS		
								10	0.82	0.00098	PASS		
								20	1.13	0.00135	PASS		
								30	1.06	0.00127	PASS		
								40	1.43	0.00171	PASS		
								50	1.72	0.00206	PASS		
								HCH	VN			-30	-0.31
			-20		-1.14		-0.00135					PASS	
			-10		-0.94		-0.00111					PASS	
			0		-0.64		-0.00076					PASS	
			10		0.53		0.00063					PASS	
			20		-1.53		-0.00181					PASS	
		30	-2.02	-0.00238	PASS								
		40	-0.69	-0.00081	PASS								
		50	0.37	0.00044	PASS								
		5	LCH									-30	-1.60
								-20	-1.49		-0.0018	PASS	
						-10		-1.26	-0.00152		PASS		
						0		-1.77	-0.00214		PASS		
						10		-0.99	-0.0012		PASS		
						20		0.72	0.00087		PASS		
						30		-0.21	-0.00025		PASS		
						40		-0.93	-0.00113		PASS		
						50		0.04	0.00005		PASS		
						MCH		VN				-30	0.67
			-20		1.66							0.00198	PASS
			-10		0.36					0.00043		PASS	
			0		0.16					0.00019		PASS	
			10		1.63					0.00195		PASS	
			20		1.63					0.00195		PASS	
			30		1.60					0.00191		PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	1.79	0.00214	PASS	
					50	0.33	0.00039	PASS	
			HCH	VN	-30	-3.13	-0.0037	PASS	
					-20	-2.33	-0.00275	PASS	
					-10	-2.25	-0.00266	PASS	
					0	-2.25	-0.00266	PASS	
					10	-2.36	-0.00279	PASS	
					20	-2.33	-0.00275	PASS	
					30	-2.03	-0.0024	PASS	
					40	-2.92	-0.00345	PASS	
					50	-2.36	-0.00279	PASS	
			LCH	VN	-30	0.49	0.00059	PASS	
					-20	-0.03	-0.00004	PASS	
					-10	1.80	0.00217	PASS	
					0	0.97	0.00117	PASS	
		10			-0.11	-0.00013	PASS		
		20			-0.37	-0.00045	PASS		
		30			1.56	0.00188	PASS		
		40			0.99	0.00119	PASS		
		50			1.20	0.00145	PASS		
		MCH	VN	-30	0.21	0.00025	PASS		
				-20	0.89	0.00106	PASS		
				-10	-0.24	-0.00029	PASS		
				0	-0.29	-0.00035	PASS		
				10	-0.19	-0.00023	PASS		
				20	0.21	0.00025	PASS		
				30	0.86	0.00103	PASS		
				40	0.59	0.00071	PASS		
				50	0.56	0.00067	PASS		
		HCH	VN	-30	1.46	0.00173	PASS		
				-20	0.73	0.00086	PASS		
				-10	1.26	0.00149	PASS		
				0	0.51	0.0006	PASS		
				10	1.42	0.00168	PASS		
				20	1.47	0.00174	PASS		
				30	1.54	0.00182	PASS		
				40	1.23	0.00146	PASS		
				50	2.17	0.00257	PASS		
		LTE/TM2	1.4	LCH	VN	-30	0.07	0.00008	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-0.06	-0.00007	PASS	
					-10	-0.39	-0.00047	PASS	
					0	0.74	0.0009	PASS	
					10	0.34	0.00041	PASS	
					20	0.23	0.00028	PASS	
					30	1.17	0.00142	PASS	
					40	0.70	0.00085	PASS	
					50	1.22	0.00148	PASS	
			MCH	VN	-30	2.06	0.00246	PASS	
					-20	0.60	0.00072	PASS	
					-10	1.44	0.00172	PASS	
					0	-0.37	-0.00044	PASS	
					10	1.93	0.00231	PASS	
					20	1.34	0.0016	PASS	
					30	-0.44	-0.00053	PASS	
					40	-0.27	-0.00032	PASS	
			HCH	VN	-30	-1.59	-0.00187	PASS	
					-20	-1.23	-0.00145	PASS	
					-10	-2.89	-0.00341	PASS	
					0	-1.83	-0.00216	PASS	
					10	-0.29	-0.00034	PASS	
					20	-3.32	-0.00391	PASS	
					30	-2.59	-0.00305	PASS	
					40	-2.47	-0.00291	PASS	
			3	LCH	VN	-30	-2.29	-0.00277	PASS
						-20	-2.16	-0.00262	PASS
						-10	-1.82	-0.0022	PASS
						0	-0.64	-0.00078	PASS
						10	-2.46	-0.00298	PASS
						20	-0.89	-0.00108	PASS
						30	-1.47	-0.00178	PASS
						40	-3.20	-0.00388	PASS
				50	-1.42	-0.00172	PASS		
				MCH	VN	-30	0.14	0.00017	PASS
						-20	0.20	0.00024	PASS
						-10	0.79	0.00094	PASS
						0	1.16	0.00139	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict							
					10	-0.41	-0.00049	PASS							
					20	0.27	0.00032	PASS							
					30	0.19	0.00023	PASS							
					40	1.24	0.00148	PASS							
					50	0.03	0.00004	PASS							
			HCH		VN			-30	-1.27	-0.0015	PASS				
								-20	-0.36	-0.00042	PASS				
								-10	0.21	0.00025	PASS				
								0	-1.79	-0.00211	PASS				
								10	-0.84	-0.00099	PASS				
							LCH	VN			20	-1.43	-0.00169	PASS	
											30	-0.62	-0.00073	PASS	
											40	0.73	0.00086	PASS	
											50	-0.26	-0.00031	PASS	
											-30	-2.05	-0.00248	PASS	
			MCH		VN					-20	-2.62	-0.00317	PASS		
										-10	-1.59	-0.00192	PASS		
										0	-1.73	-0.00209	PASS		
										10	-0.66	-0.0008	PASS		
										20	-0.80	-0.00097	PASS		
		HCH		VN							30	-1.12	-0.00136	PASS	
											40	-0.34	-0.00041	PASS	
											50	0.93	0.00113	PASS	
											-30	0.79	0.00094	PASS	
											-20	1.57	0.00188	PASS	
				5						-10	2.15	0.00257	PASS		
										0	1.00	0.0012	PASS		
										10	0.13	0.00016	PASS		
										20	1.66	0.00198	PASS		
										30	1.10	0.00132	PASS		
												40	1.12	0.00134	PASS
												50	0.94	0.00112	PASS
												-30	-1.85	-0.00219	PASS
												-20	-2.96	-0.0035	PASS
												-10	-1.39	-0.00164	PASS
						0	-1.36		-0.00161		PASS				
						10	-2.72		-0.00321		PASS				
						20	-1.76		-0.00208		PASS				
						30	-1.14		-0.00135		PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-2.09	-0.00247	PASS
					50	-2.37	-0.0028	PASS
		10	LCH	VN	-30	1.14	0.00138	PASS
					-20	0.16	0.00019	PASS
					-10	2.59	0.00312	PASS
					0	1.00	0.00121	PASS
					10	-0.03	-0.00004	PASS
					20	-0.72	-0.00087	PASS
					30	0.33	0.0004	PASS
					40	1.52	0.00183	PASS
					50	0.79	0.00095	PASS
			MCH	VN	-30	0.36	0.00043	PASS
					-20	0.06	0.00007	PASS
					-10	-0.39	-0.00047	PASS
					0	-0.07	-0.00008	PASS
					10	0.10	0.00012	PASS
					20	0.03	0.00004	PASS
					30	0.72	0.00086	PASS
					40	0.49	0.00059	PASS
					50	-0.46	-0.00055	PASS
		HCH	VN	-30	1.96	0.00232	PASS	
				-20	0.19	0.00023	PASS	
				-10	-0.77	-0.00091	PASS	
				0	0.03	0.00004	PASS	
				10	1.12	0.00133	PASS	
				20	1.24	0.00147	PASS	
				30	1.32	0.00156	PASS	
				40	1.40	0.00166	PASS	
				50	1.07	0.00127	PASS	
		BAND17	LTE/TM1	5	LCH	VN	-30	-1.42
-20	-1.04						-0.00147	PASS
-10	-1.89						-0.00268	PASS
0	-0.84						-0.00119	PASS
10	-1.13						-0.0016	PASS
20	-0.09						-0.00013	PASS
30	-1.26						-0.00178	PASS
40	-1.89						-0.00268	PASS
50	-2.03						-0.00287	PASS
MCH	VN				-30	-0.21	-0.0003	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	0.84	0.00118	PASS		
					-10	0.01	0.00001	PASS		
					0	-1.06	-0.00149	PASS		
					10	-0.27	-0.00038	PASS		
					20	-1.52	-0.00214	PASS		
					30	-1.23	-0.00173	PASS		
					40	-1.37	-0.00193	PASS		
					50	-1.12	-0.00158	PASS		
			HCH	VN	-30	-2.16	-0.00303	PASS		
					-20	-1.40	-0.00196	PASS		
					-10	-1.49	-0.00209	PASS		
					0	-1.22	-0.00171	PASS		
					10	-0.62	-0.00087	PASS		
					20	-0.74	-0.00104	PASS		
					30	-0.70	-0.00098	PASS		
					40	-1.65	-0.00231	PASS		
			LCH	VN	-30	-2.06	-0.00291	PASS		
					-20	-2.92	-0.00412	PASS		
					-10	-3.35	-0.00472	PASS		
					0	-3.03	-0.00427	PASS		
					10	-2.80	-0.00395	PASS		
					20	-2.00	-0.00282	PASS		
					30	-2.76	-0.00389	PASS		
					40	-2.43	-0.00343	PASS		
			MCH	VN	-30	-2.00	-0.00282	PASS		
					-20	-1.49	-0.0021	PASS		
					-10	-1.43	-0.00201	PASS		
					0	-2.69	-0.00379	PASS		
		10			-1.10	-0.00155	PASS			
		20			-2.47	-0.00348	PASS			
		30			-1.82	-0.00256	PASS			
		40			-1.77	-0.00249	PASS			
		HCH	VN	-30	-1.53	-0.00215	PASS			
				-20	-2.16	-0.00304	PASS			
				-10	-2.73	-0.00384	PASS			
				0	-0.72	-0.00101	PASS			
				10			-20	0.84	0.00118	PASS
							-10	0.01	0.00001	PASS
							0	-1.06	-0.00149	PASS
							10	-0.27	-0.00038	PASS
20	-1.52						-0.00214	PASS		
30	-1.23						-0.00173	PASS		
40	-1.37						-0.00193	PASS		
50	-1.12						-0.00158	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
	LTE/TM2	5	LCH	VN	10	-1.75	-0.00246	PASS		
					20	-2.32	-0.00326	PASS		
					30	-2.50	-0.00352	PASS		
					40	-2.22	-0.00312	PASS		
					50	-0.36	-0.00051	PASS		
			MCH		-30	-1.43	-0.00202	PASS		
					-20	-1.13	-0.0016	PASS		
					-10	-1.36	-0.00192	PASS		
					0	-2.20	-0.00311	PASS		
					10	-1.44	-0.00204	PASS		
			HCH		20	-1.34	-0.0019	PASS		
					30	-2.63	-0.00372	PASS		
					40	-1.69	-0.00239	PASS		
					50	-2.63	-0.00372	PASS		
					LCH	VN	MCH	-30	-2.17	-0.00306
			-20					-2.27	-0.0032	PASS
			-10					-1.47	-0.00207	PASS
			0					-2.07	-0.00292	PASS
			10					-1.73	-0.00244	PASS
			HCH				20	-0.67	-0.00094	PASS
	30	-1.13		-0.00159			PASS			
	40	-1.00		-0.00141			PASS			
	50	0.11		0.00015			PASS			
	LCH	VN		MCH			-30	-2.12	-0.00297	PASS
			-20		0.13	0.00018	PASS			
			-10		-3.12	-0.00437	PASS			
			0		-2.26	-0.00317	PASS			
			10		-2.37	-0.00332	PASS			
			HCH	20	-1.04	-0.00146	PASS			
				30	-1.67	-0.00234	PASS			
				40	-1.60	-0.00224	PASS			
				50	-2.70	-0.00378	PASS			
				LCH	VN	10	-30	-1.06	-0.0015	PASS
	-20	-0.11	-0.00016				PASS			
	-10	-0.43	-0.00061				PASS			
	0	0.57	0.0008				PASS			
	10	-1.23	-0.00173				PASS			
	20	-0.59	-0.00083				PASS			
	30	-0.26	-0.00037				PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-0.14	-0.0002	PASS
					50	-1.23	-0.00173	PASS
			MCH	VN	-30	0.50	0.0007	PASS
					-20	-0.11	-0.00015	PASS
					-10	-0.56	-0.00079	PASS
					0	0.04	0.00006	PASS
					10	0.51	0.00072	PASS
					20	0.16	0.00023	PASS
					30	0.01	0.00001	PASS
					40	0.04	0.00006	PASS
					50	-0.69	-0.00097	PASS
					HCH	VN	-30	-2.30
			-20	-1.85			-0.0026	PASS
			-10	-1.75			-0.00246	PASS
			0	-2.22			-0.00312	PASS
			10	-2.55			-0.00359	PASS
			20	-1.20			-0.00169	PASS
			30	-2.70			-0.0038	PASS
			40	-2.52			-0.00354	PASS
			50	-2.42	-0.0034	PASS		

END