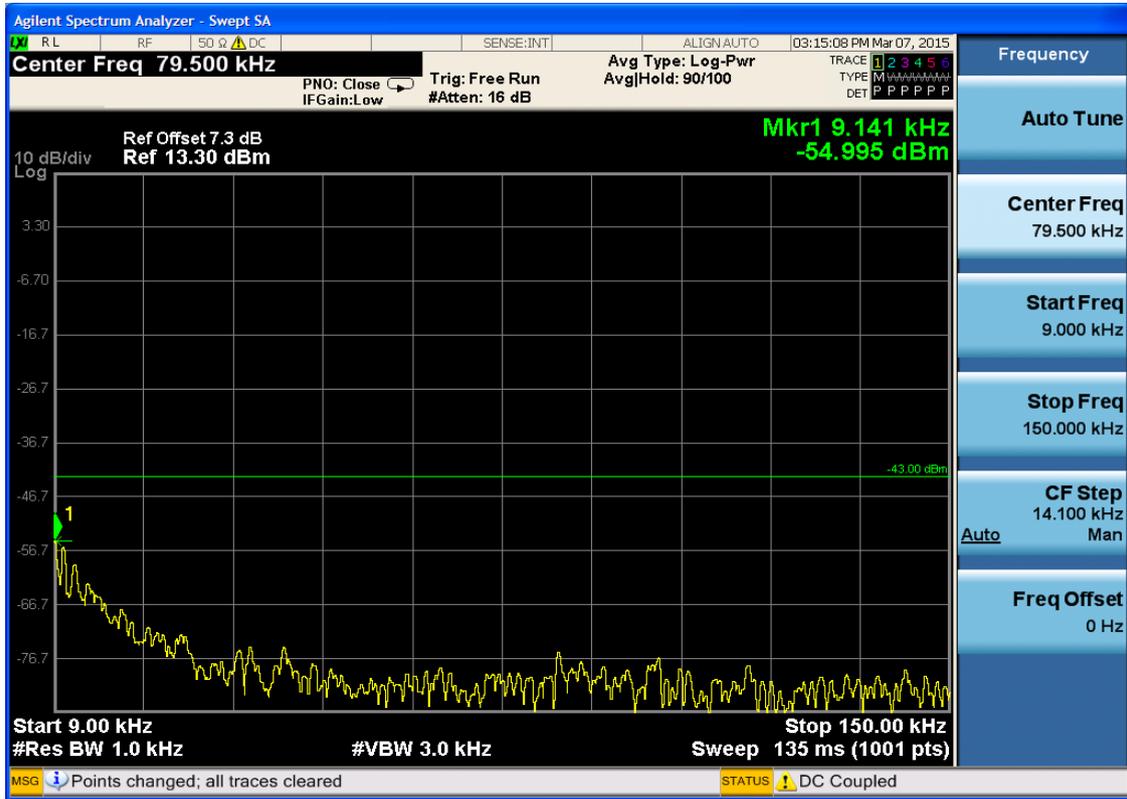
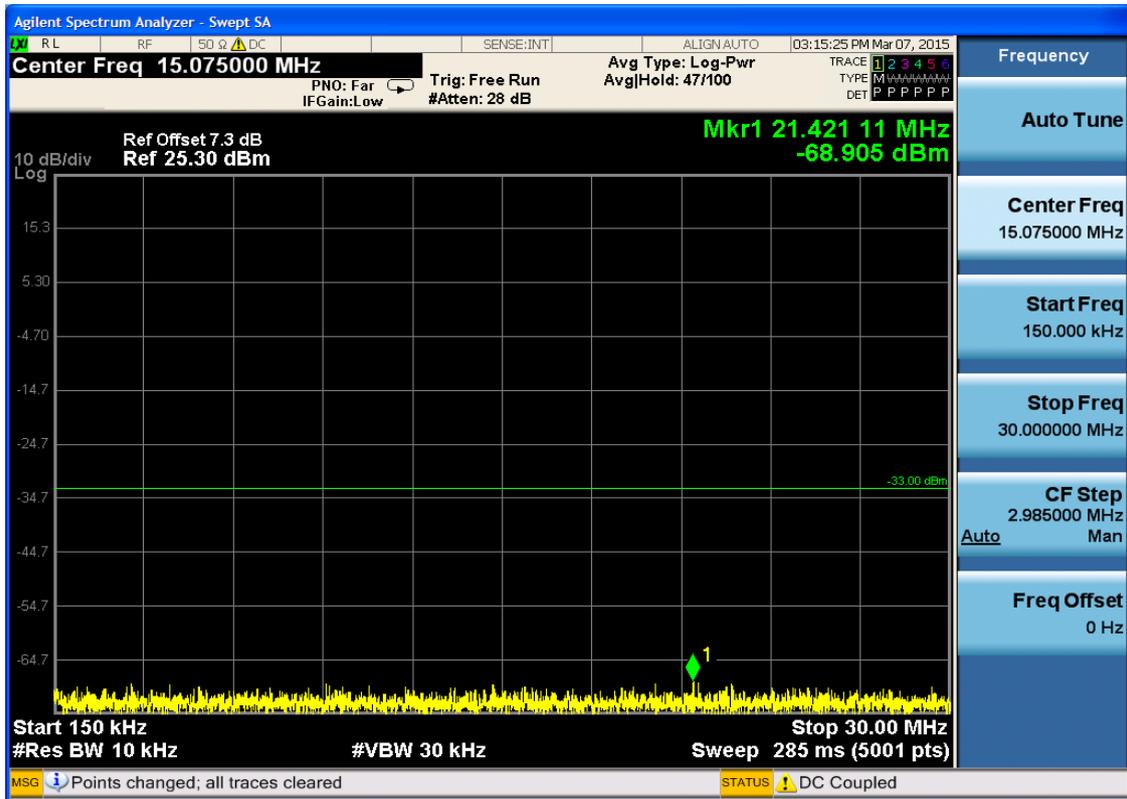


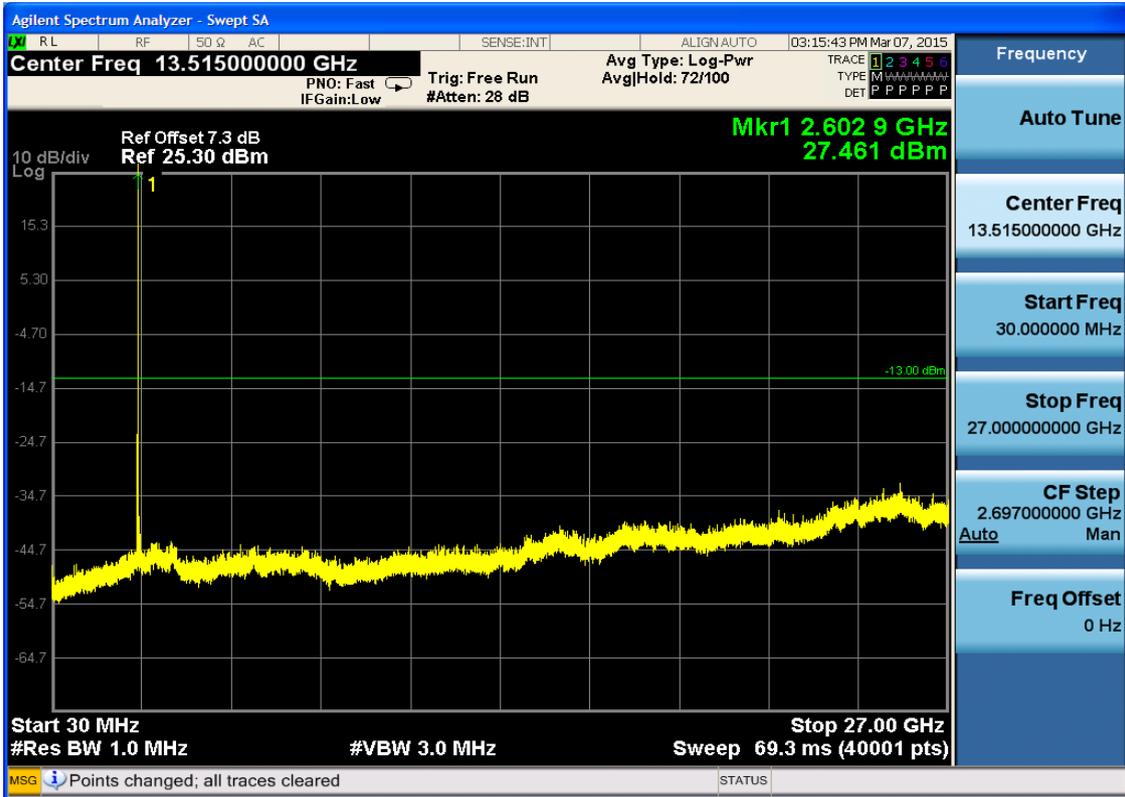


6.1.4.2.1.2 Test Channel = MCH

6.1.4.2.1.2.1 Test RB = RB1#0

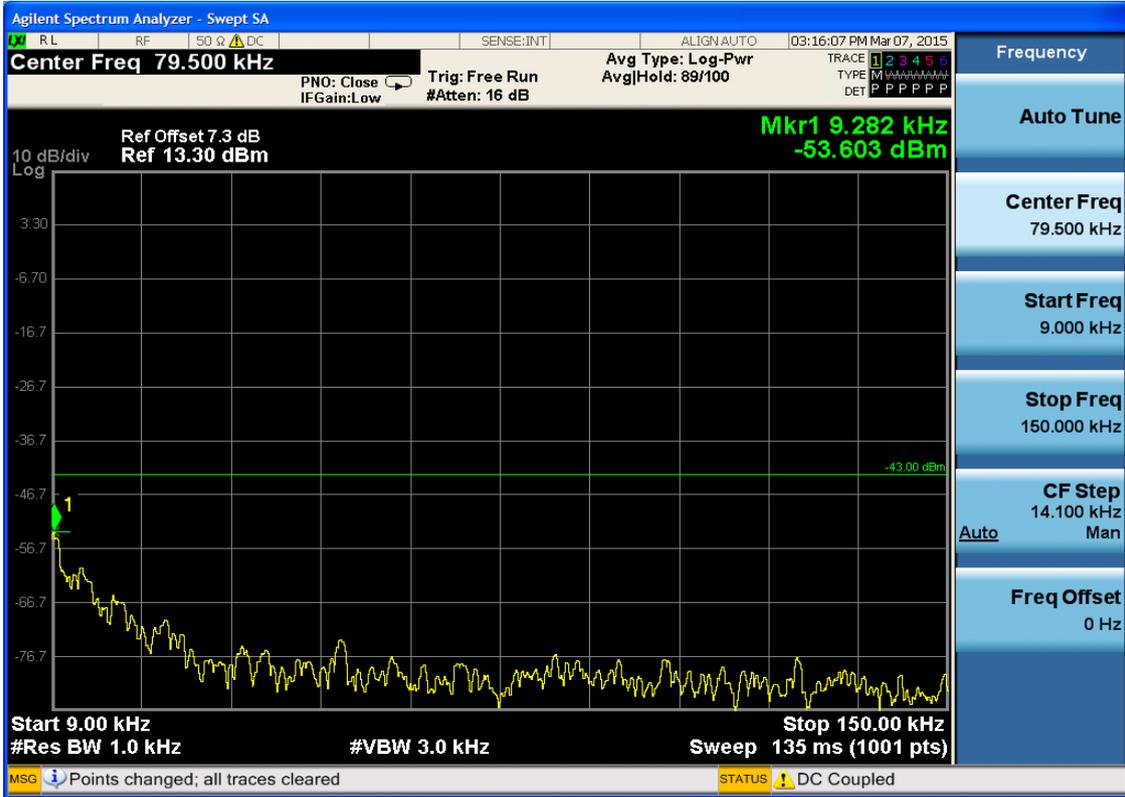


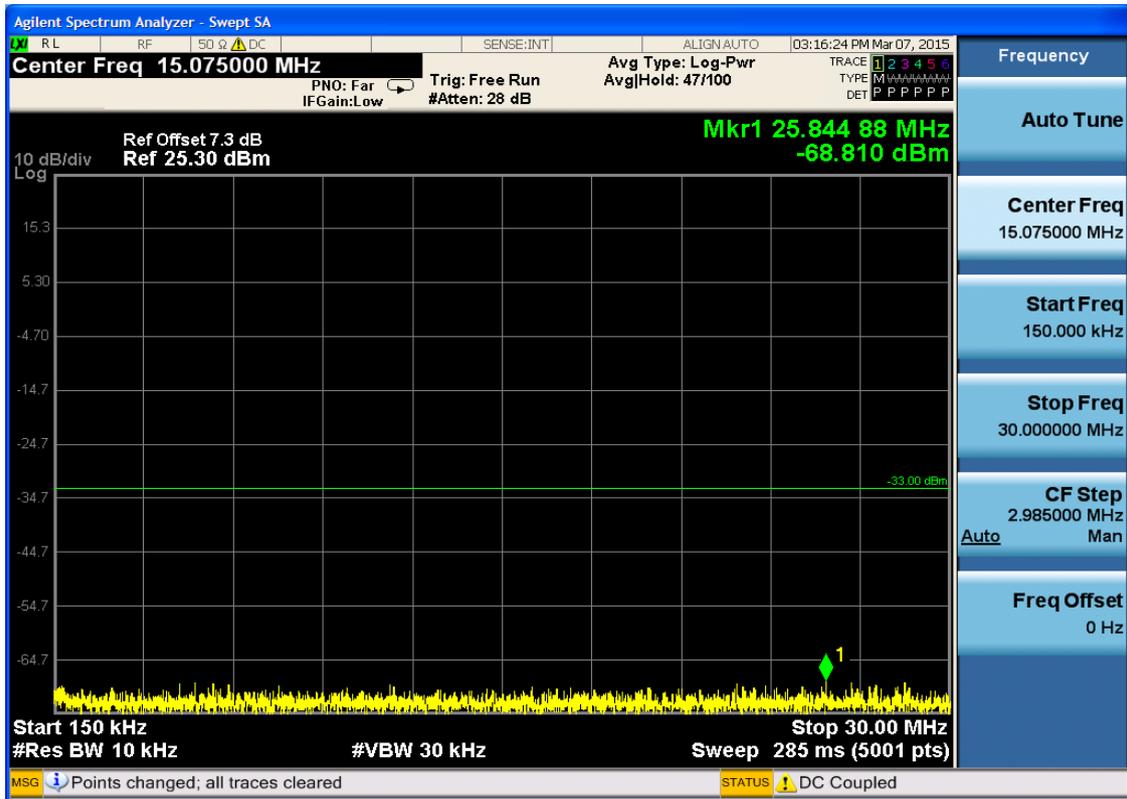


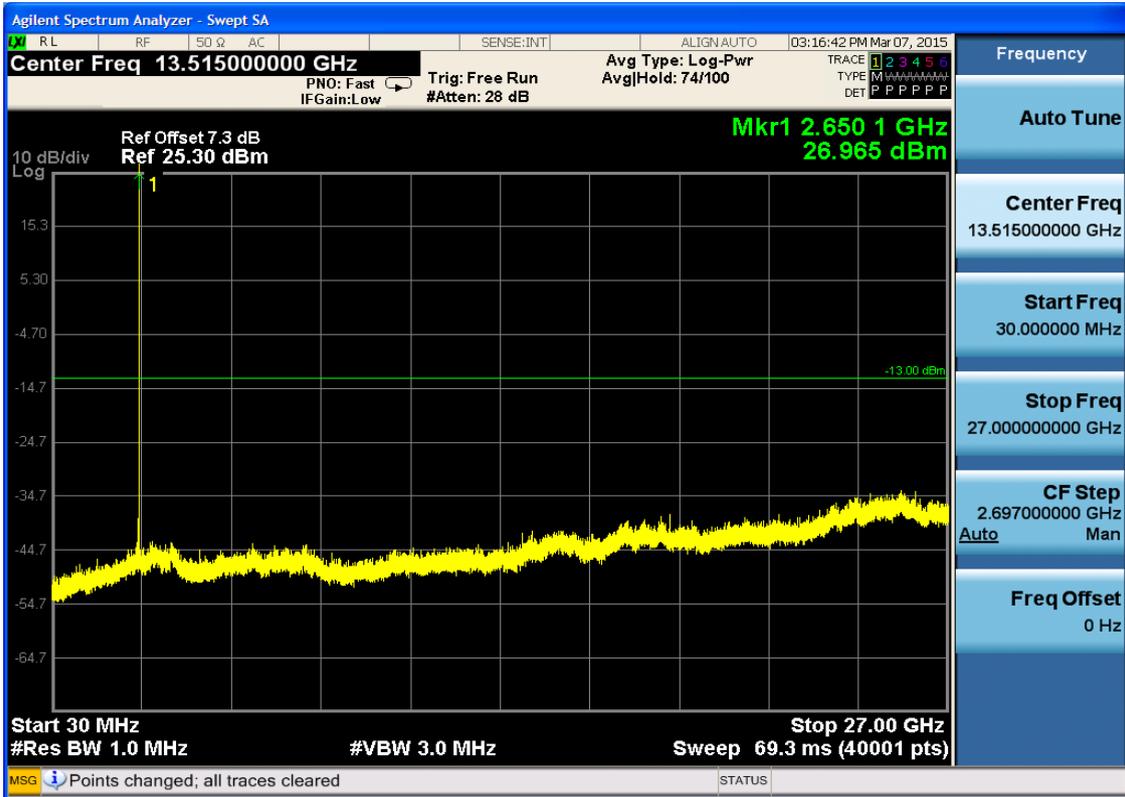


6.1.4.2.1.3 Test Channel = HCH

6.1.4.2.1.3.1 Test RB = RB1#0





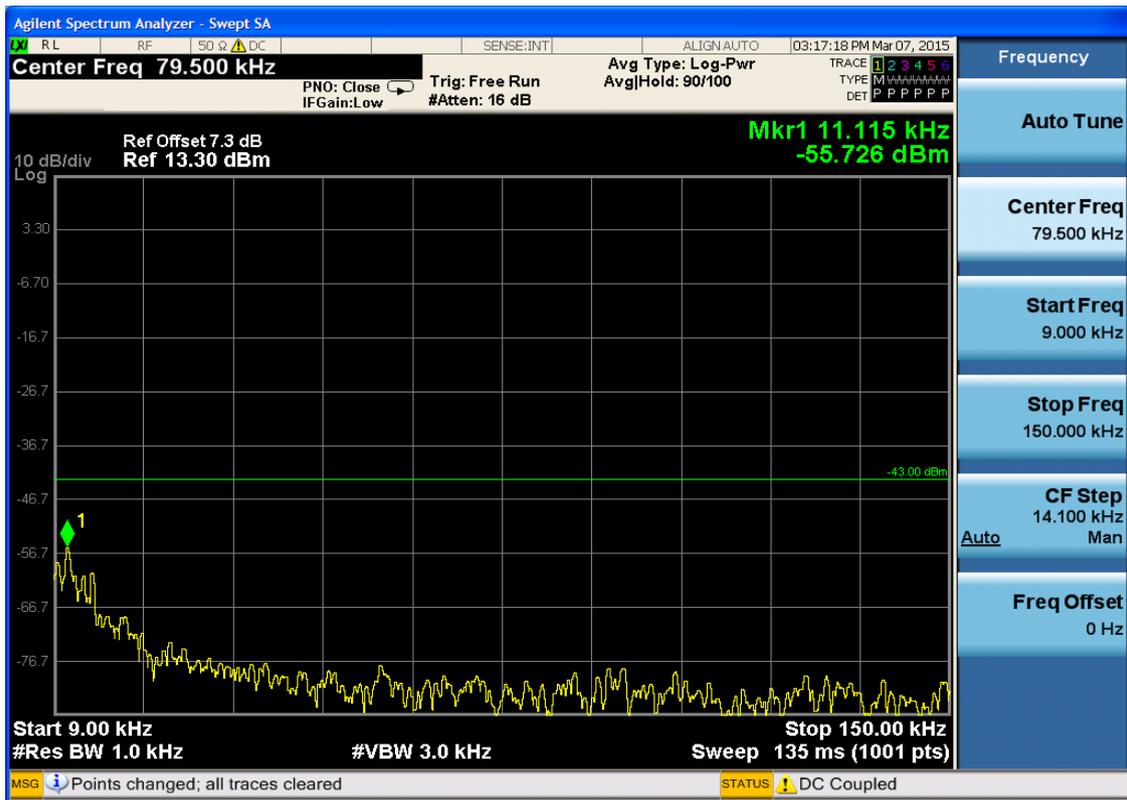


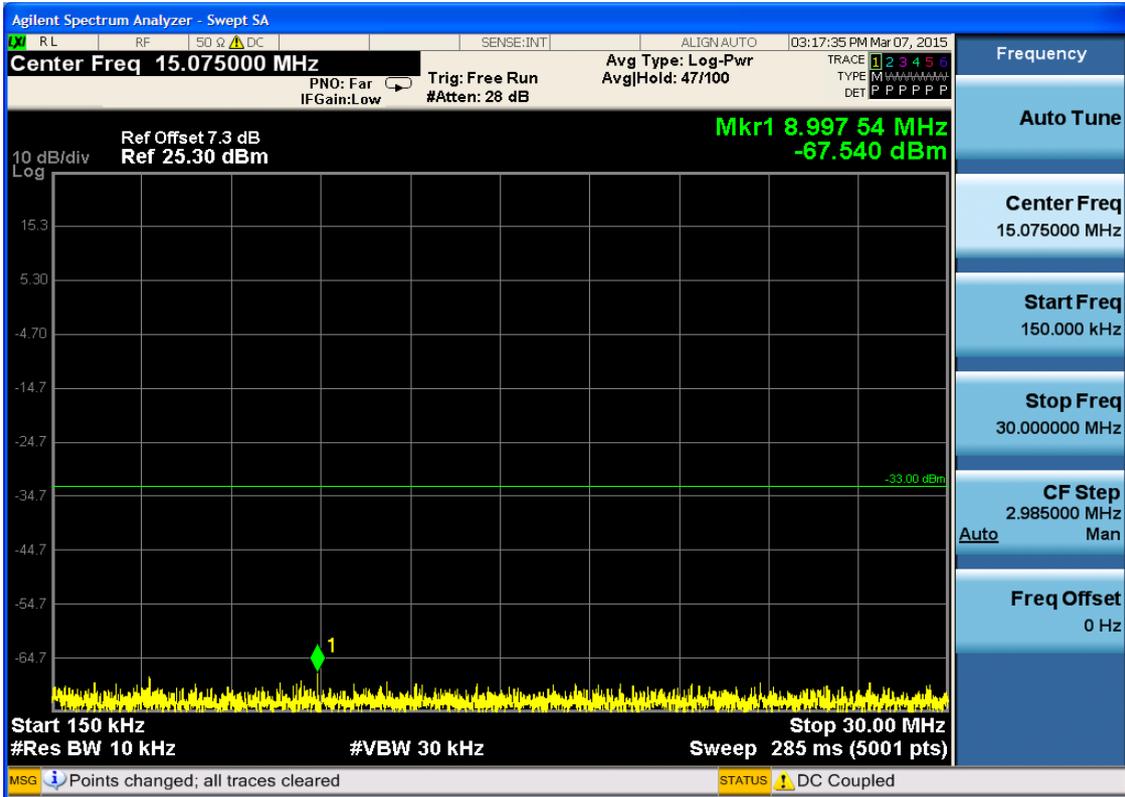


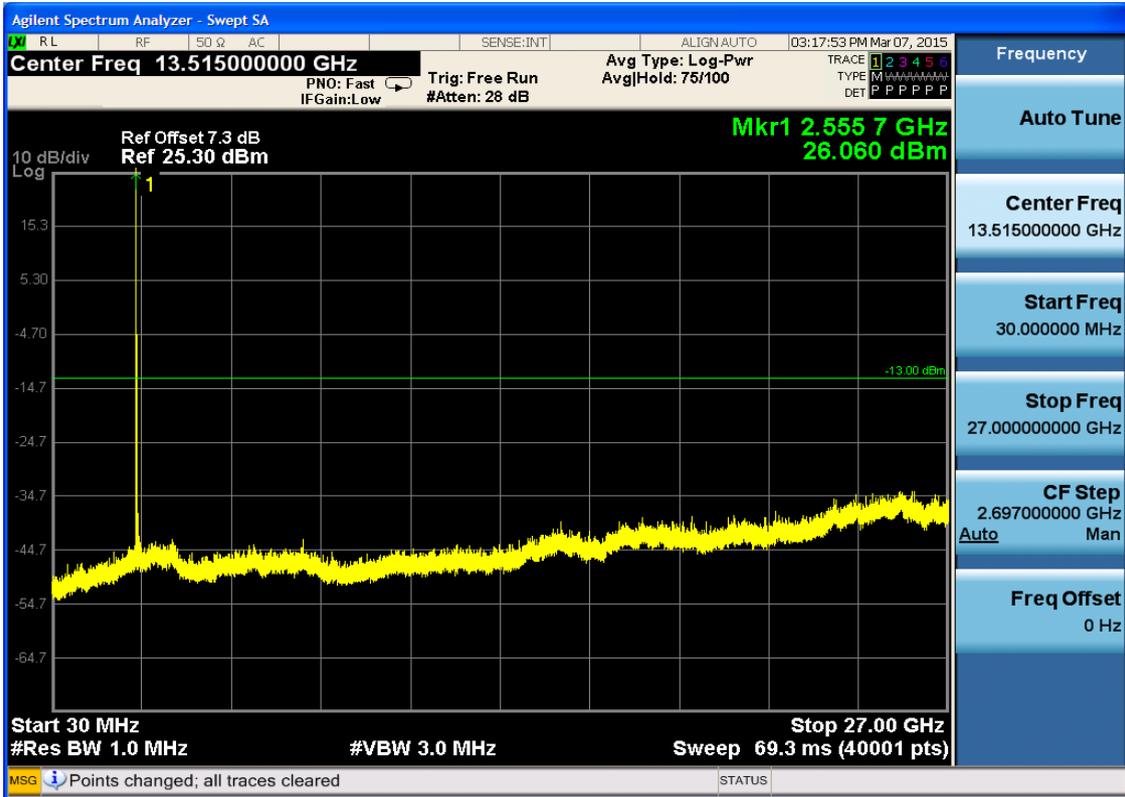
6.1.4.2.2 Test Bandwidth = 10

6.1.4.2.2.1 Test Channel = LCH

6.1.4.2.2.1.1 Test RB = RB1#0



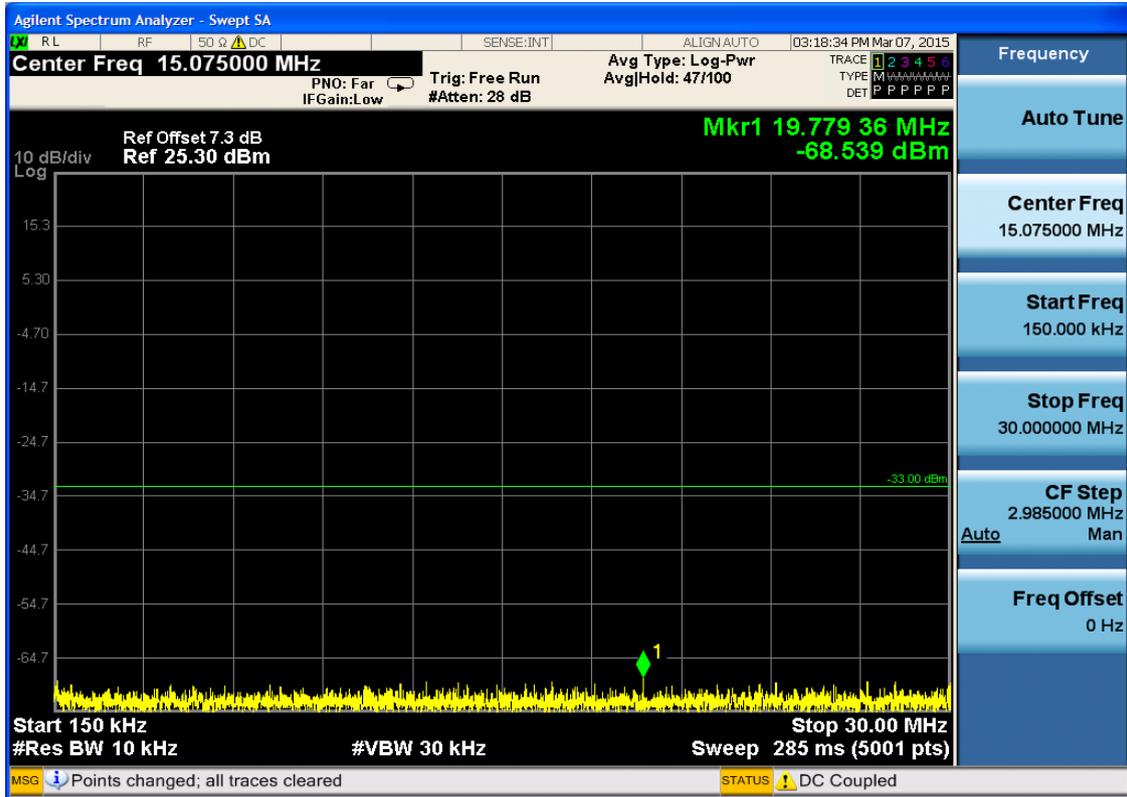


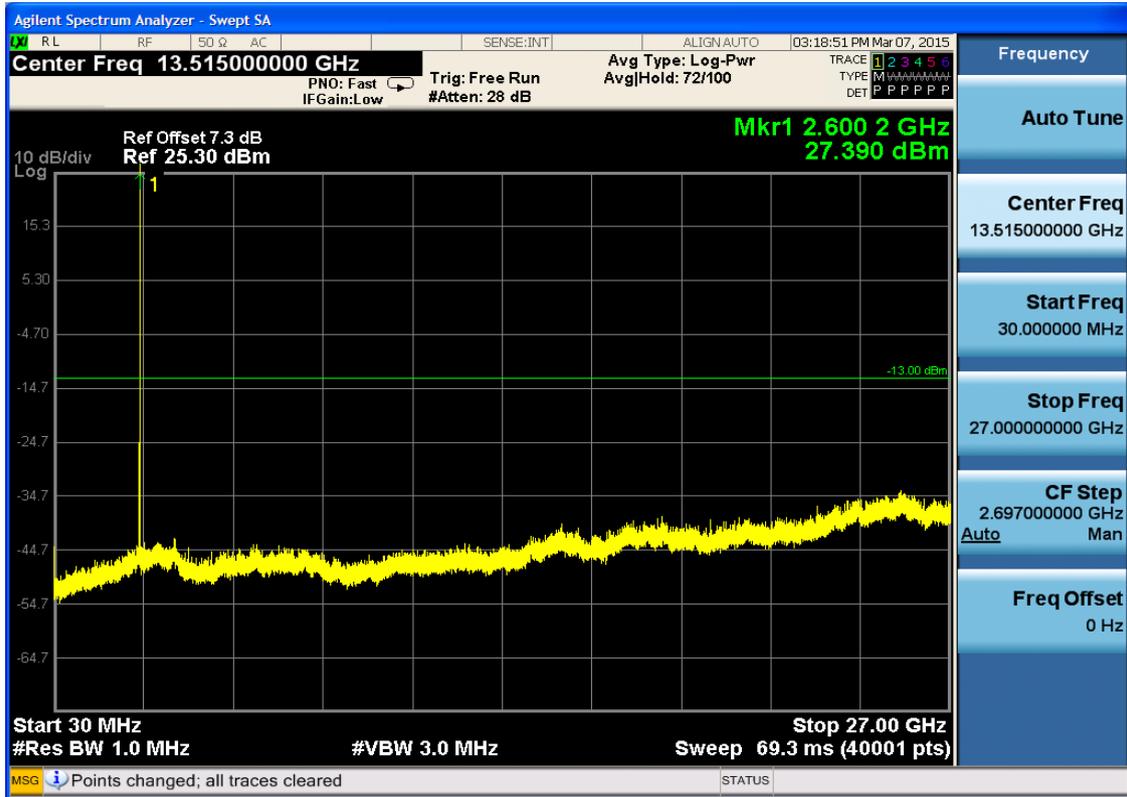


6.1.4.2.2.2 Test Channel = MCH

6.1.4.2.2.2.1 Test RB = RB1#0





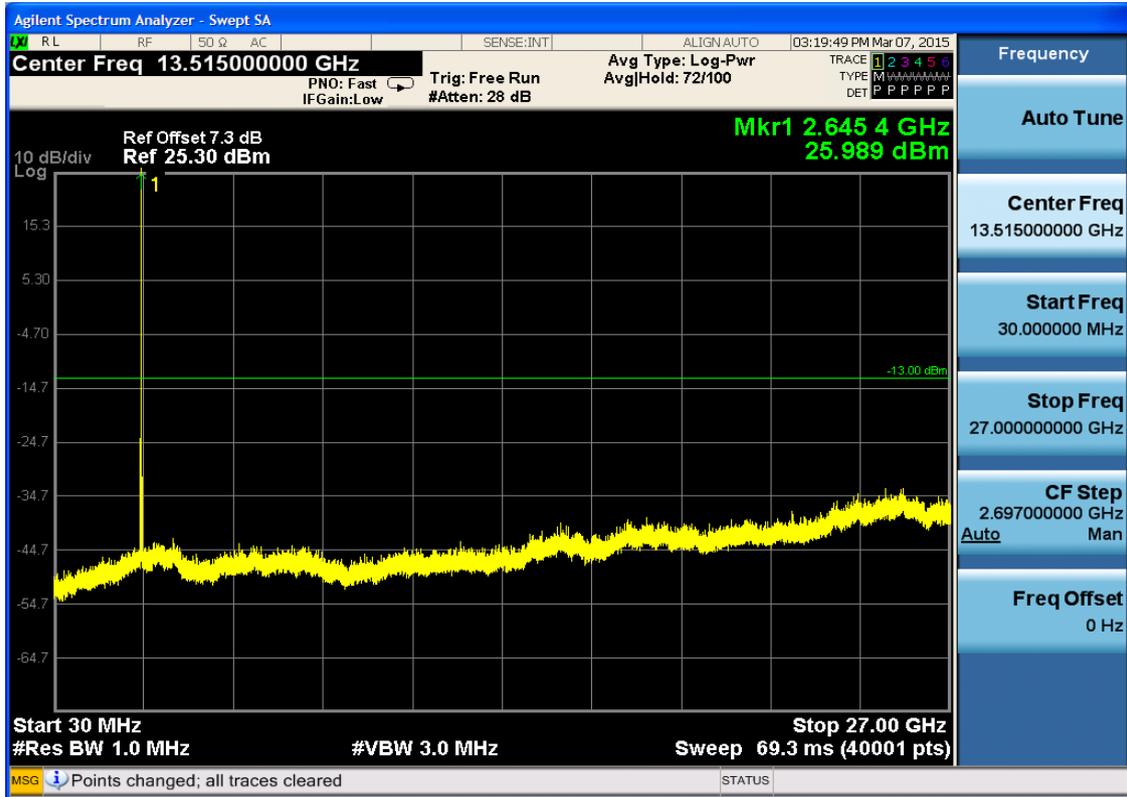


6.1.4.2.2.3 Test Channel = HCH

6.1.4.2.2.3.1 Test RB = RB1#0









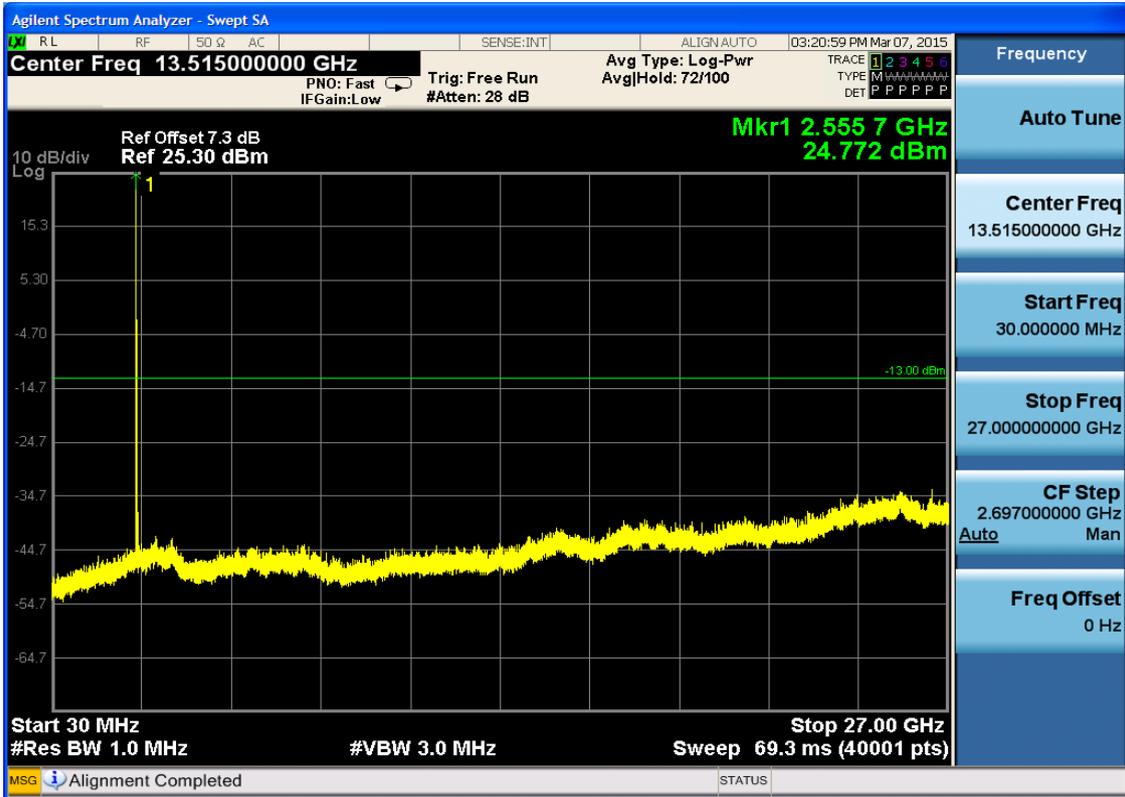
6.1.4.2.3 Test Bandwidth = 15

6.1.4.2.3.1 Test Channel = LCH

6.1.4.2.3.1.1 Test RB = RB1#0

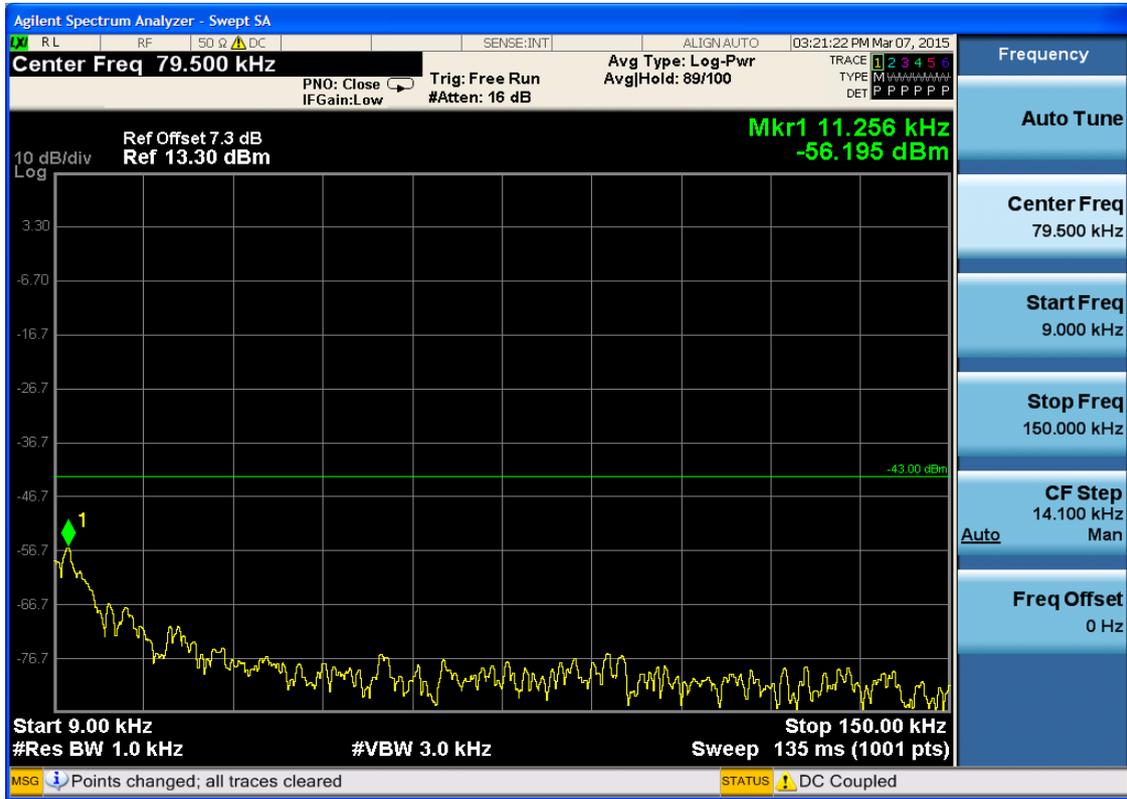




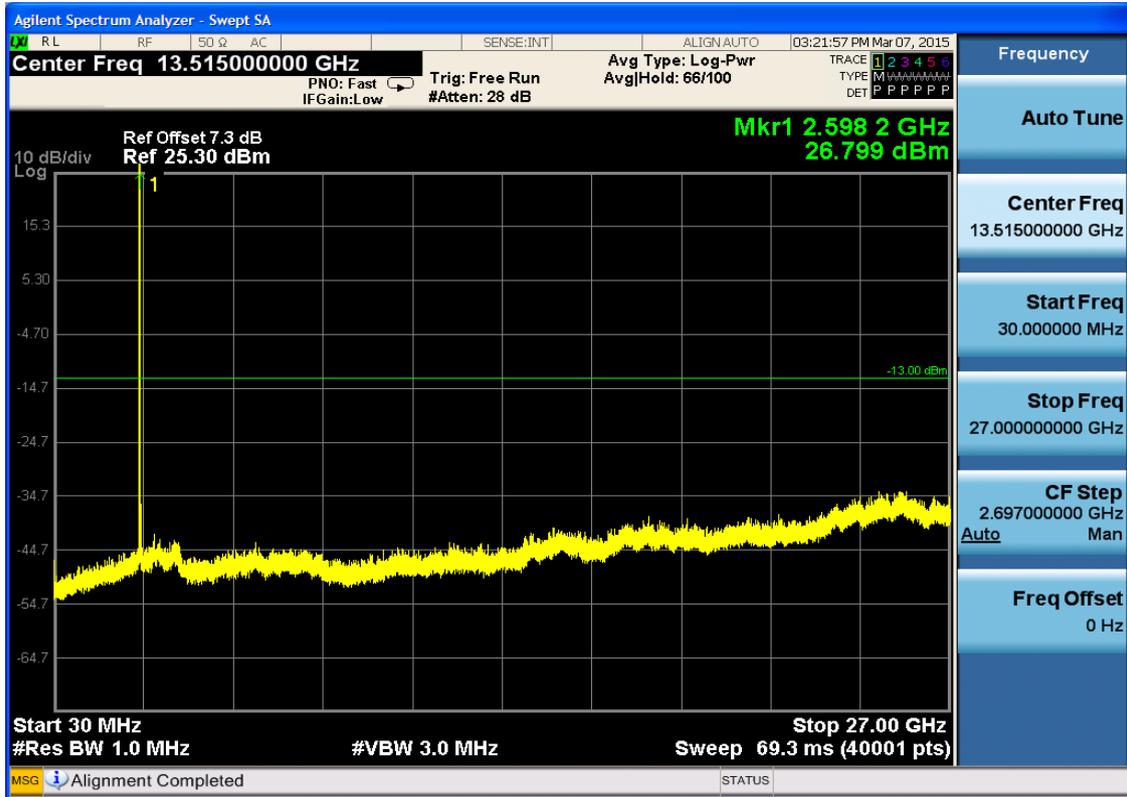


6.1.4.2.3.2 Test Channel = MCH

6.1.4.2.3.2.1 Test RB = RB1#0



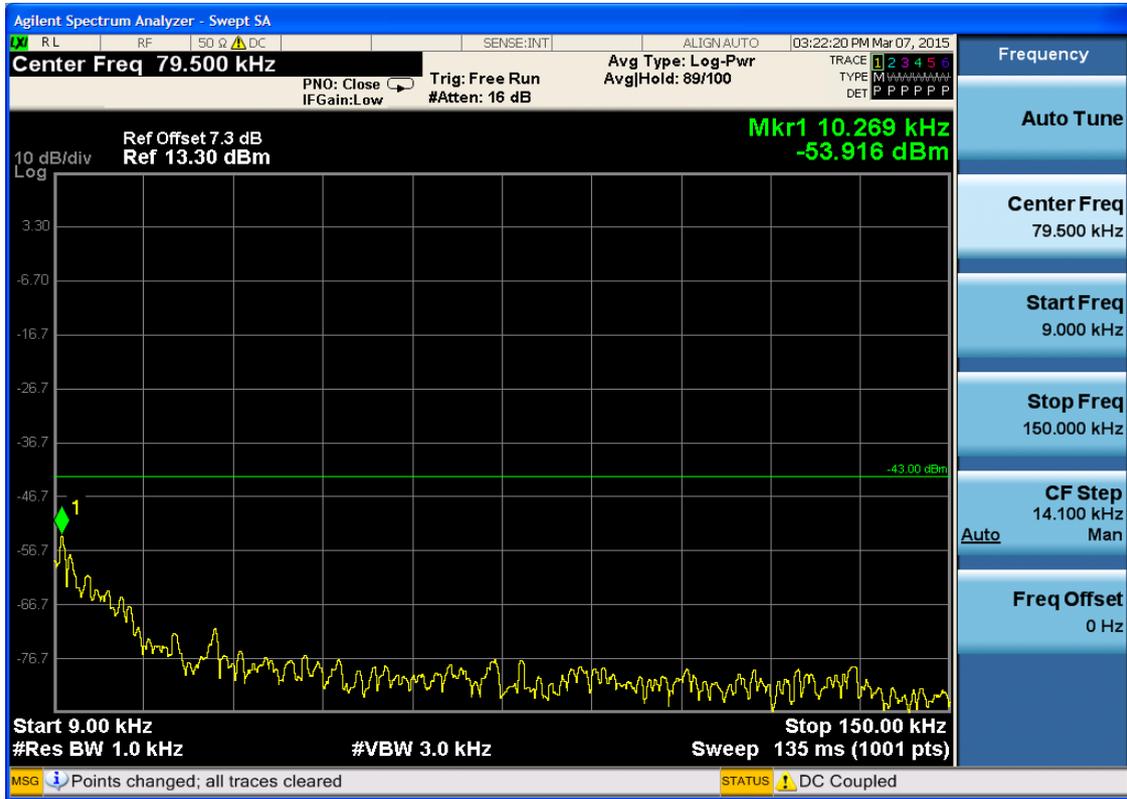


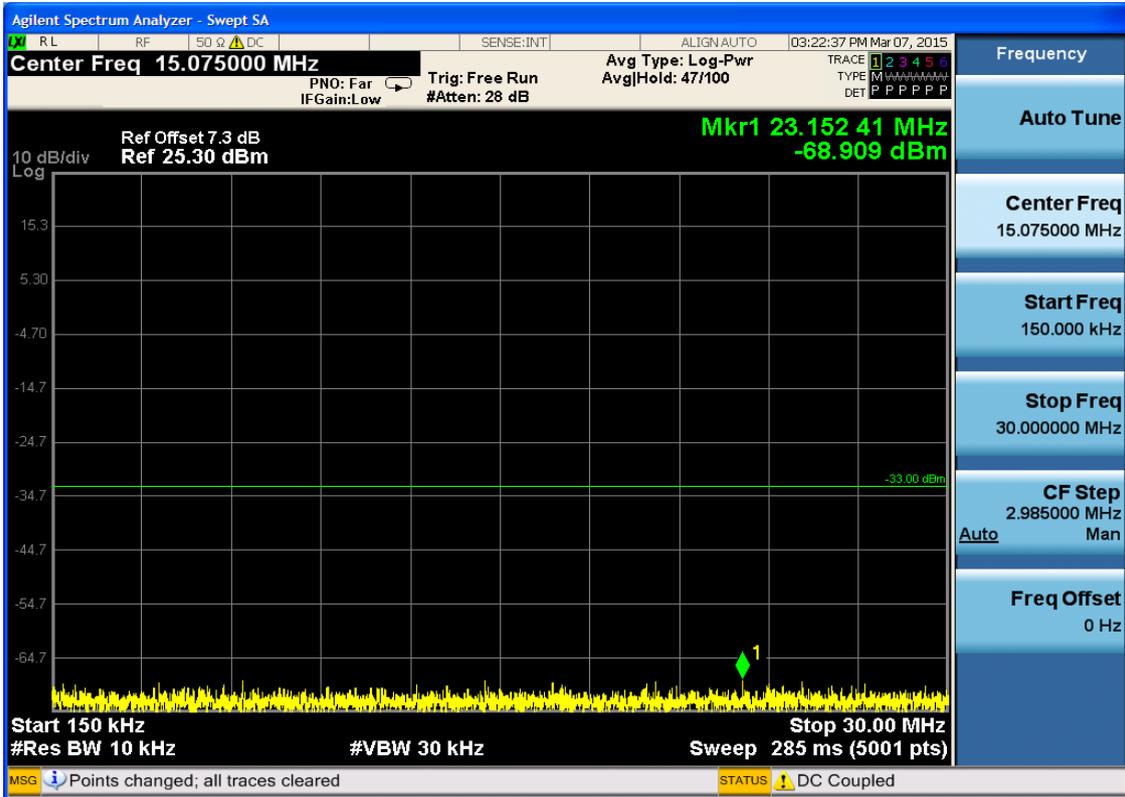


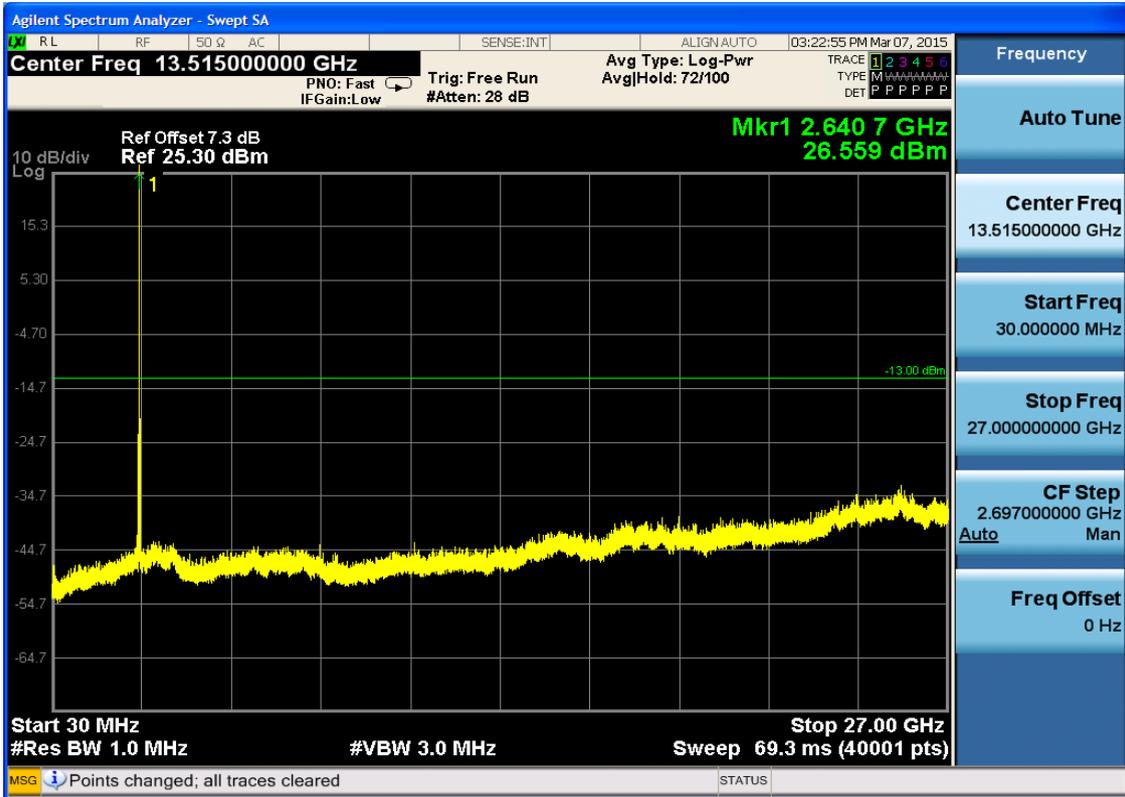


6.1.4.2.3.3 Test Channel = HCH

6.1.4.2.3.3.1 Test RB = RB1#0





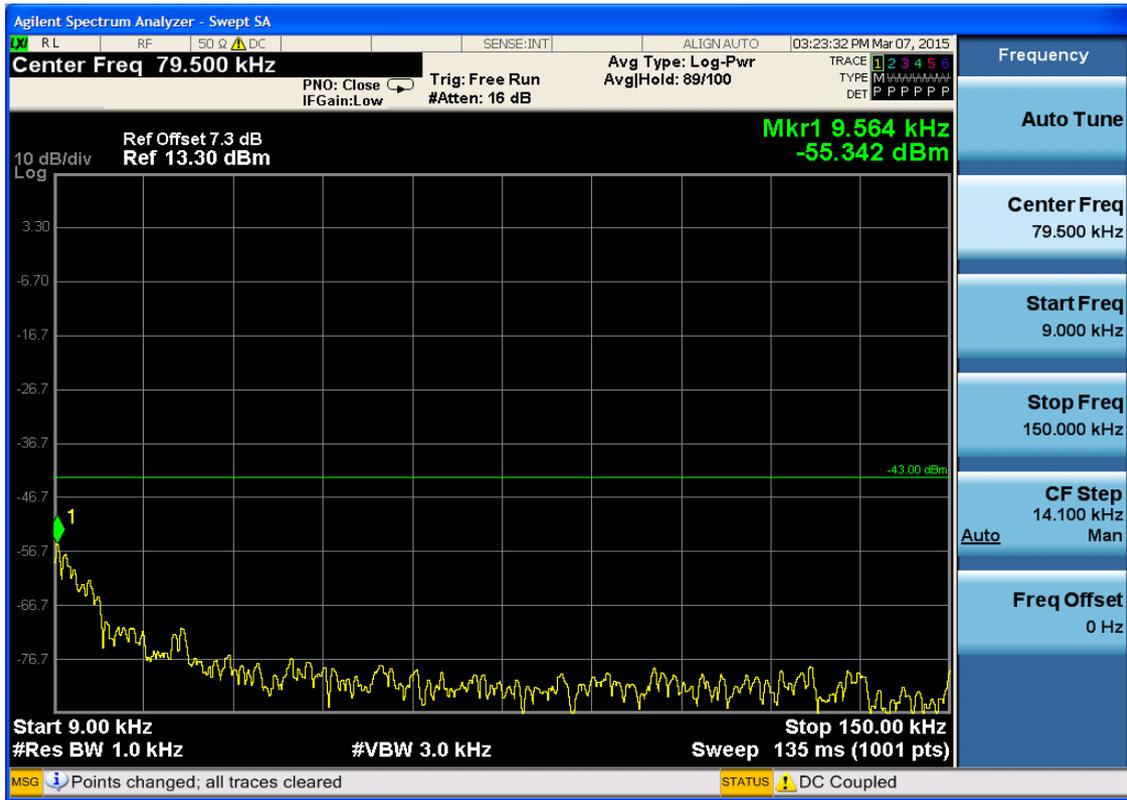


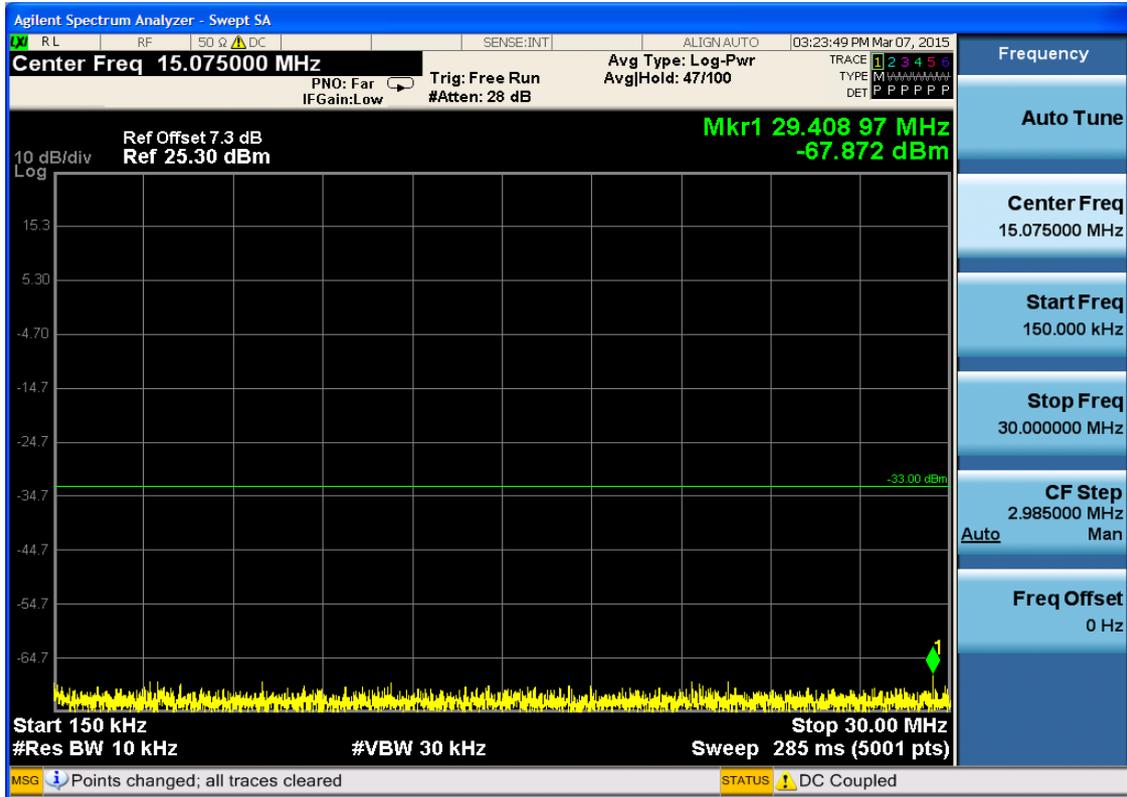


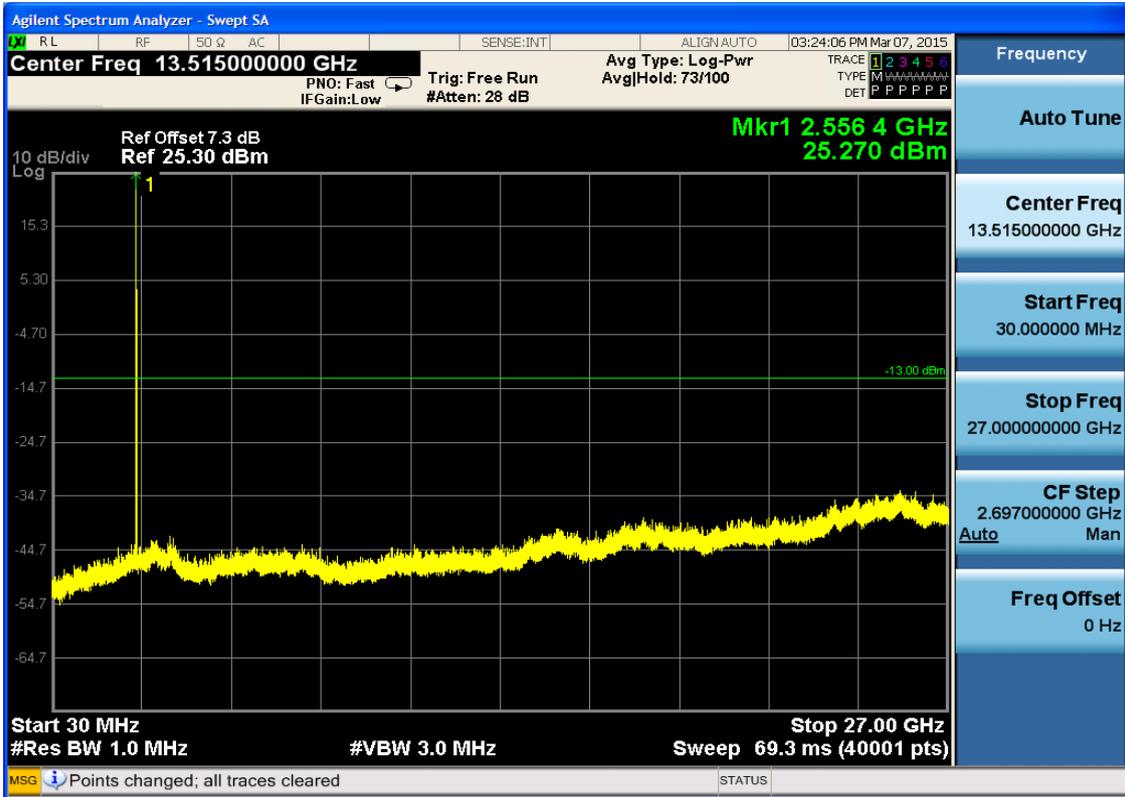
6.1.4.2.4 Test Bandwidth = 20

6.1.4.2.4.1 Test Channel = LCH

6.1.4.2.4.1.1 Test RB = RB1#0



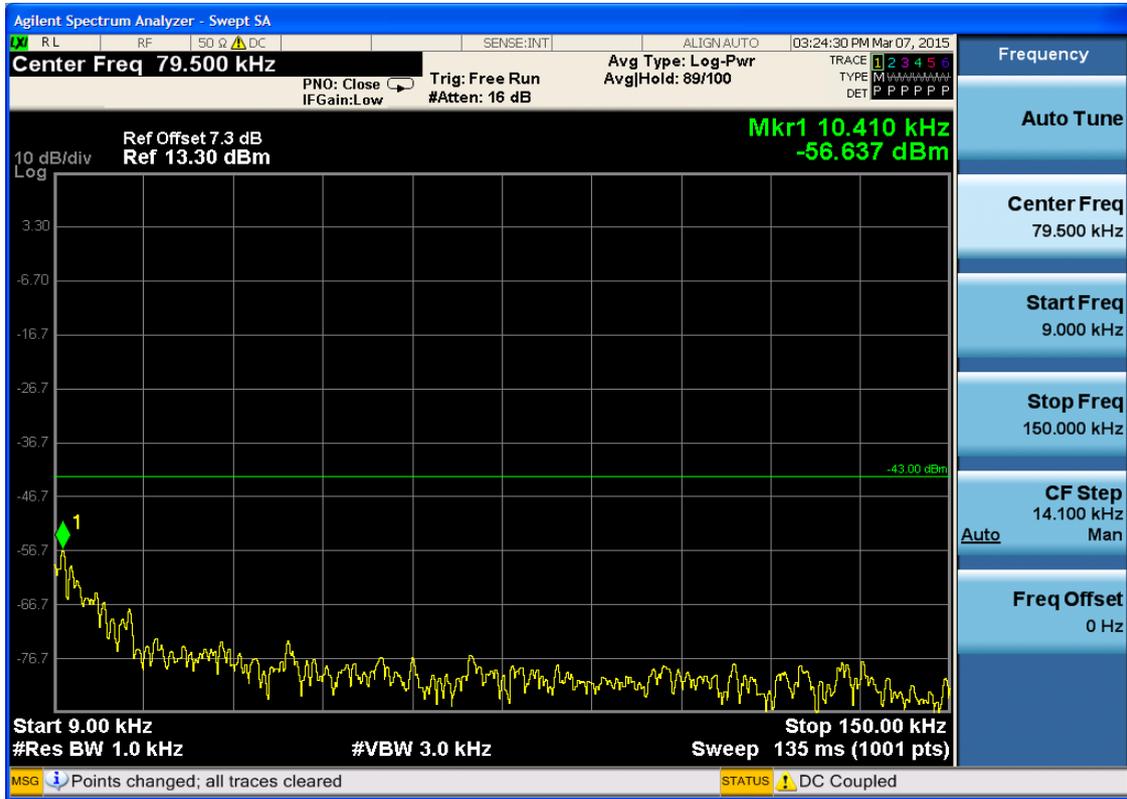


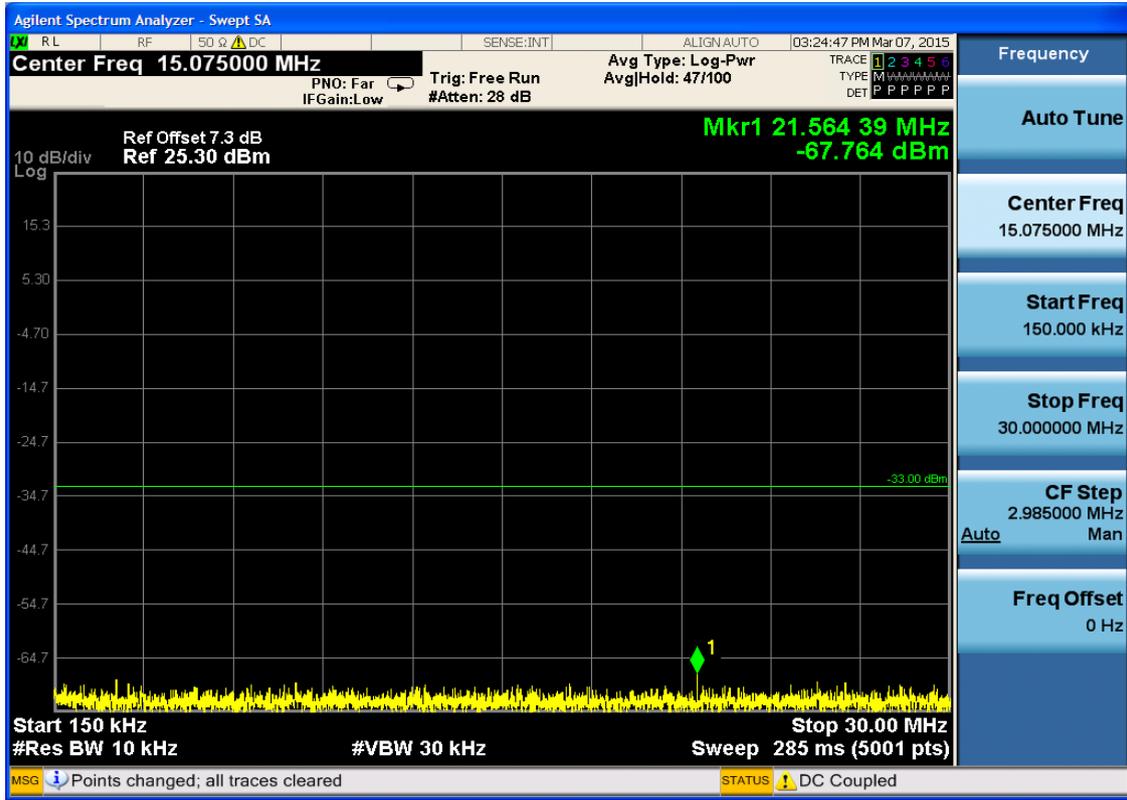


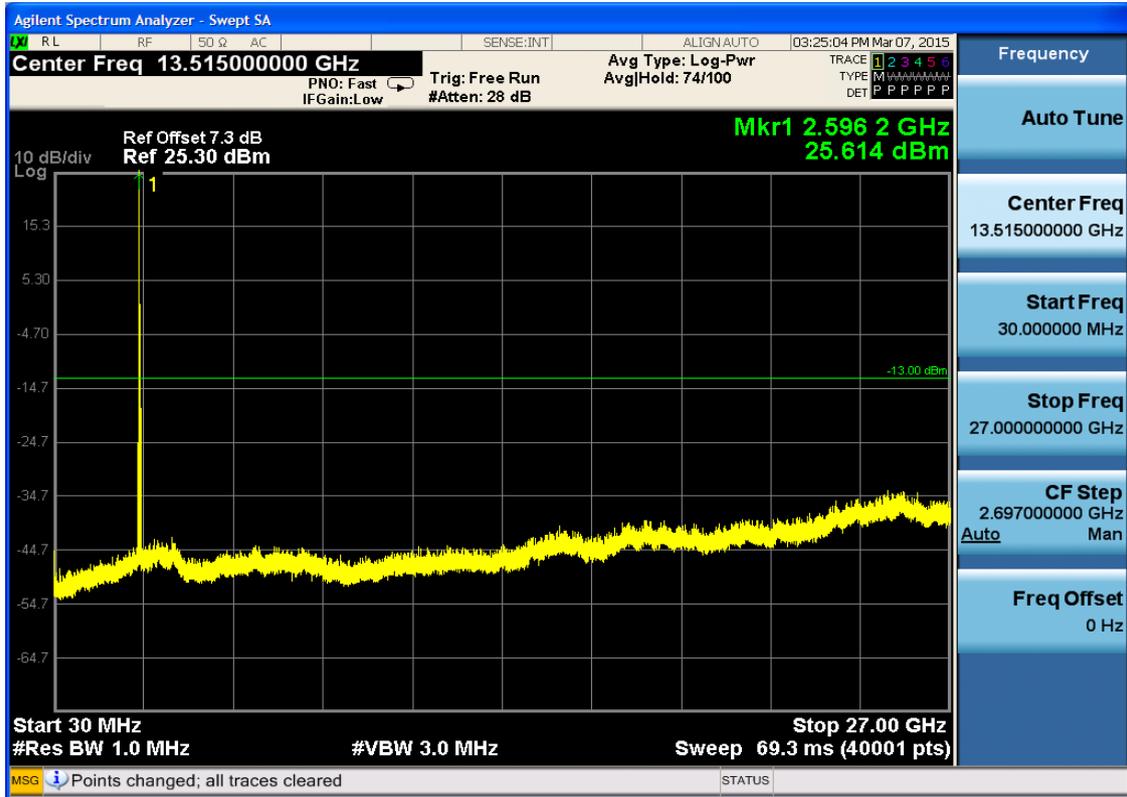


6.1.4.2.4.2 Test Channel = MCH

6.1.4.2.4.2.1 Test RB = RB1#0





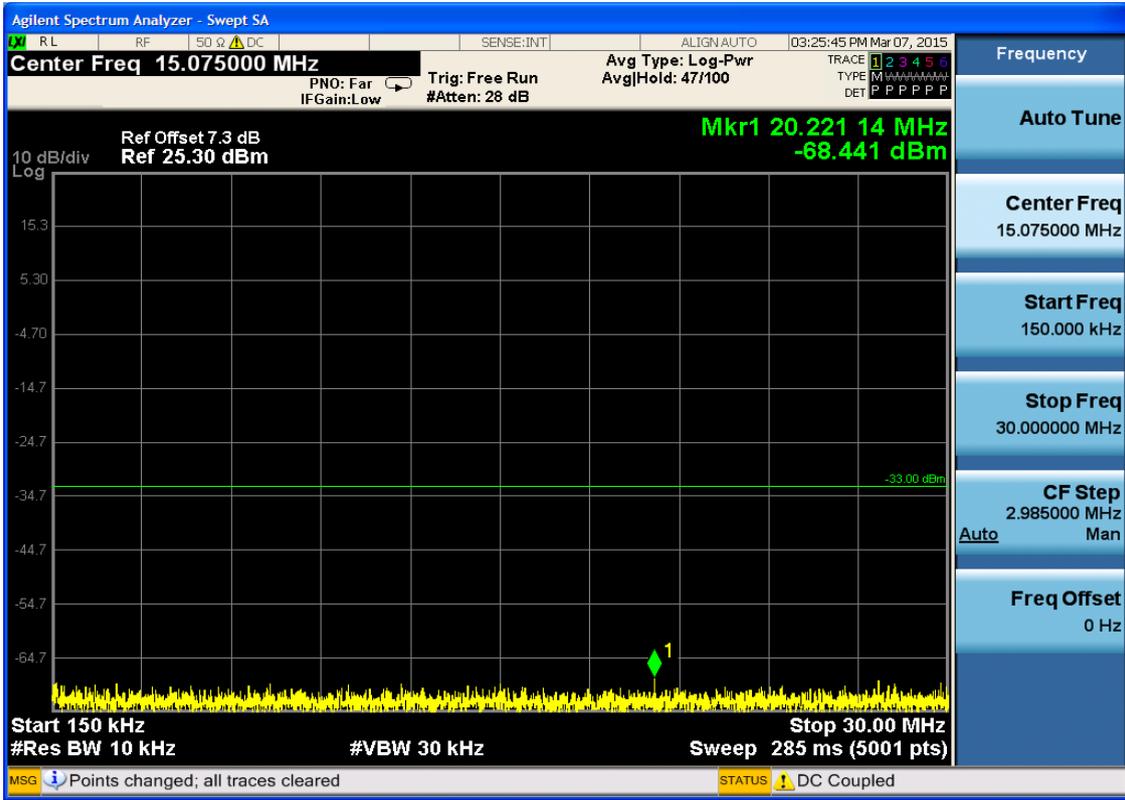


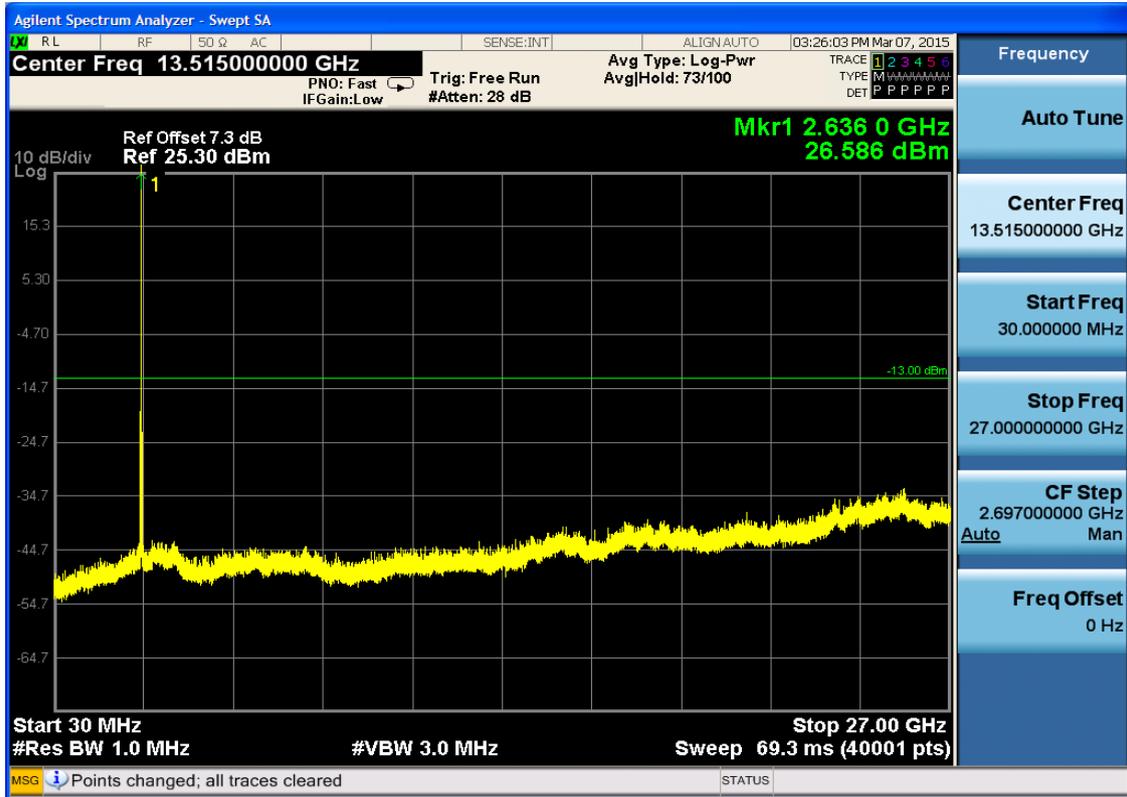


6.1.4.2.4.3 Test Channel = HCH

6.1.4.2.4.3.1 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

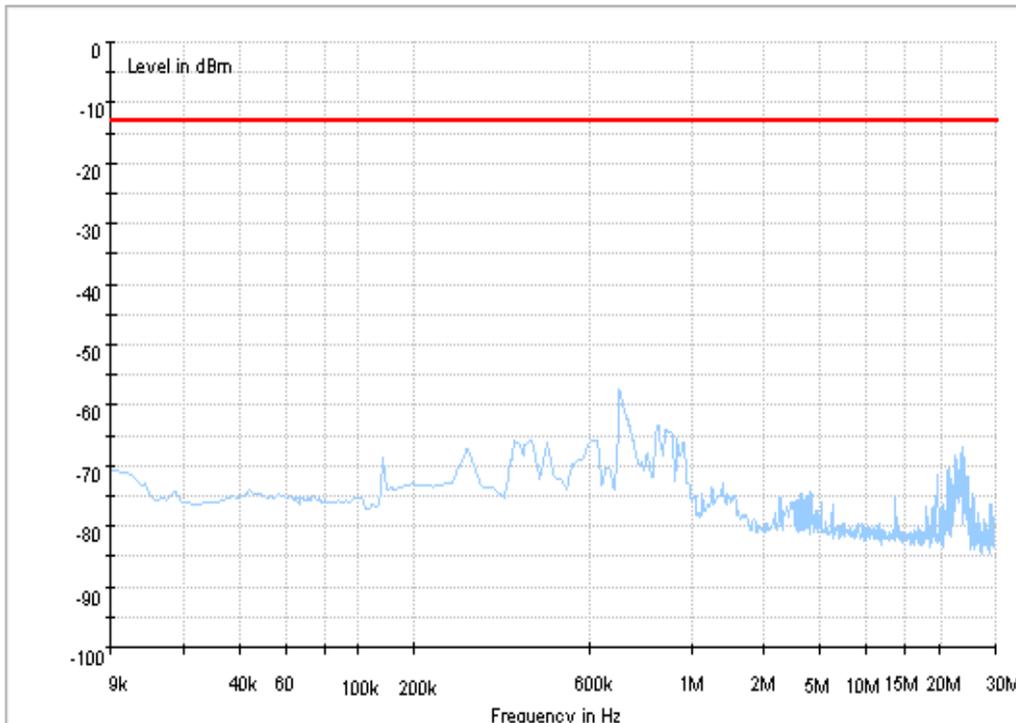
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

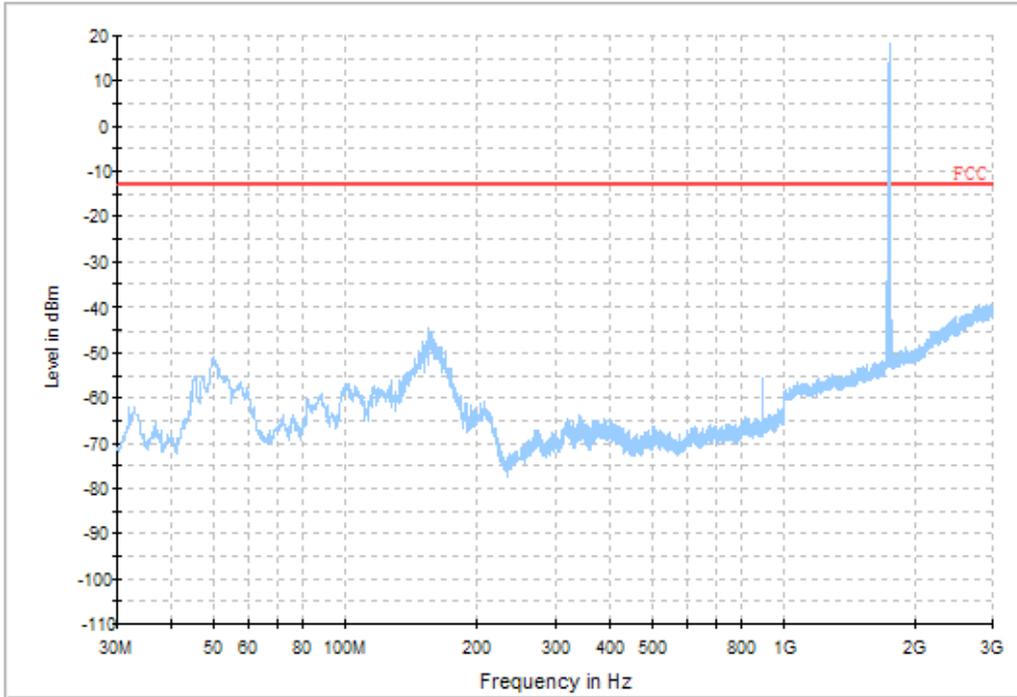
7.1 For LTE

7.1.1 Test Band = BAND4

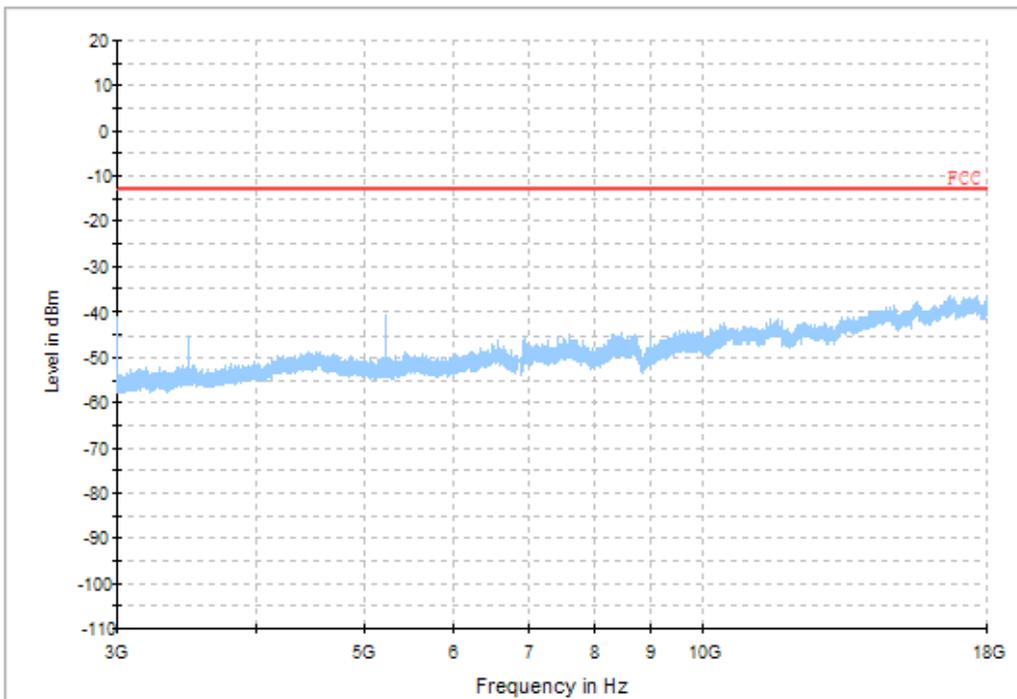
7.1.1.1 Test Bandwidth = 1.4

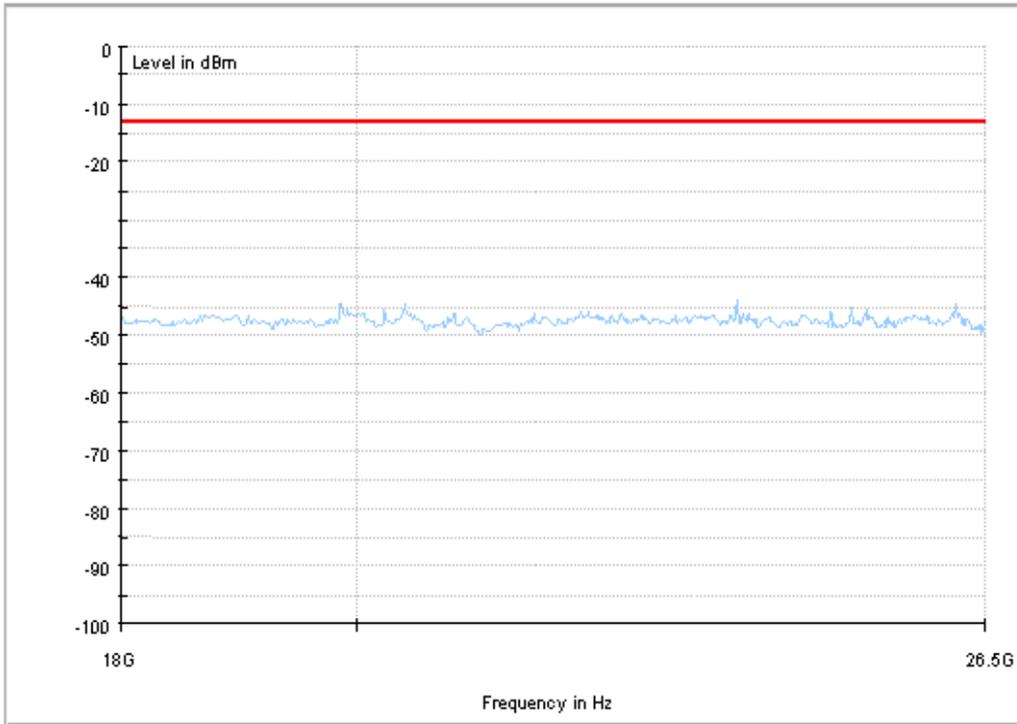


Copy of FCC PART27 LTE Band 4_L

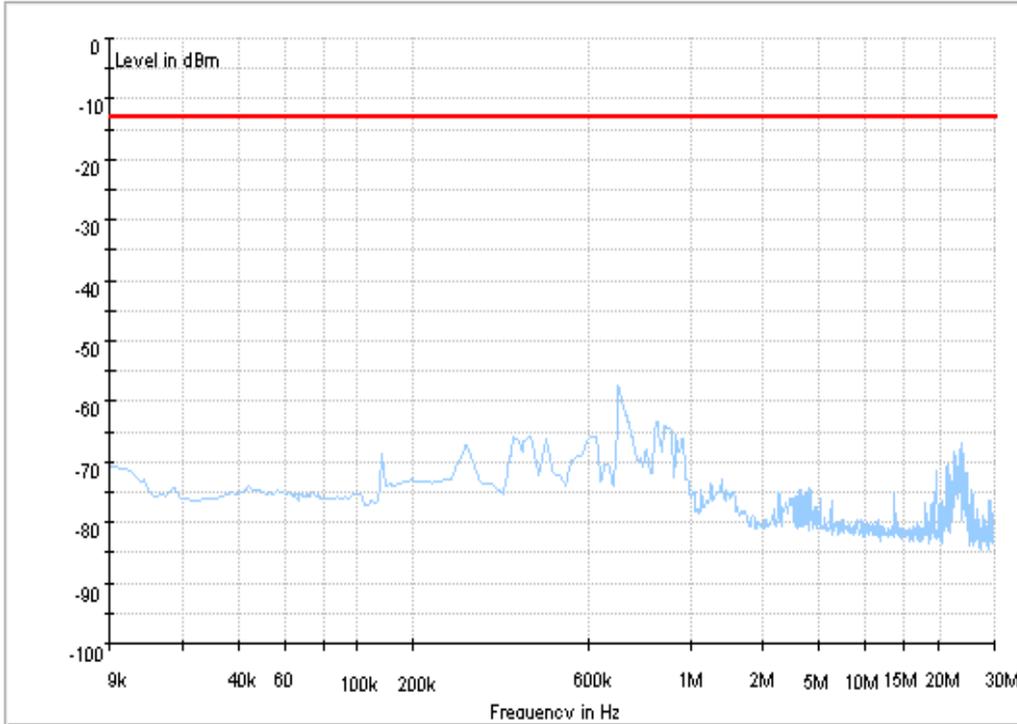


Copy of FCC PART27 LTE Band 4_H

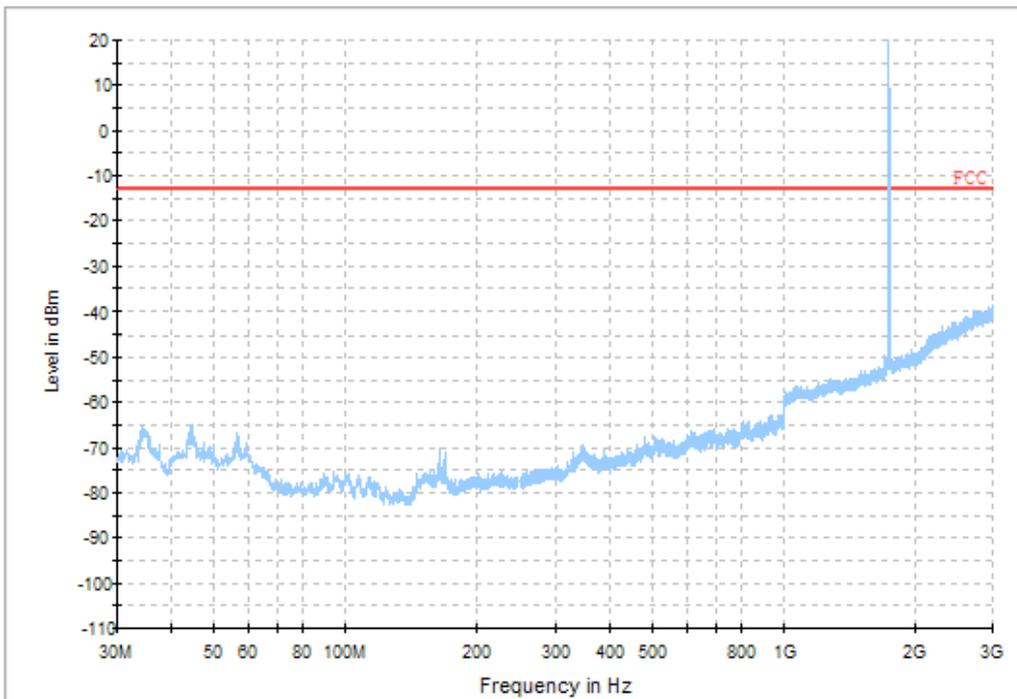




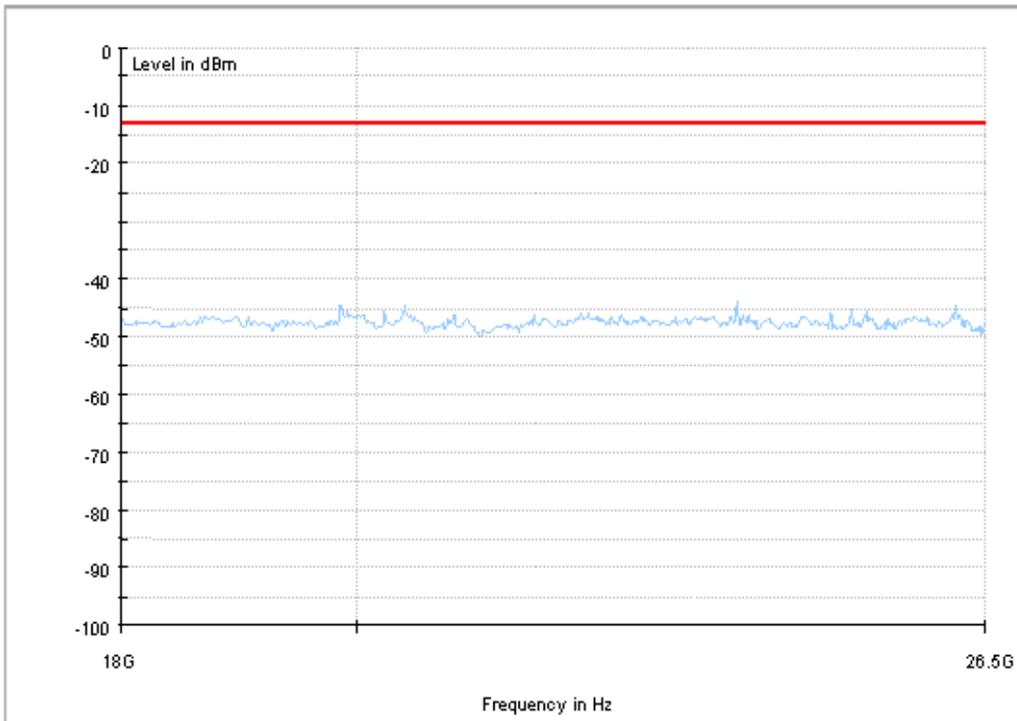
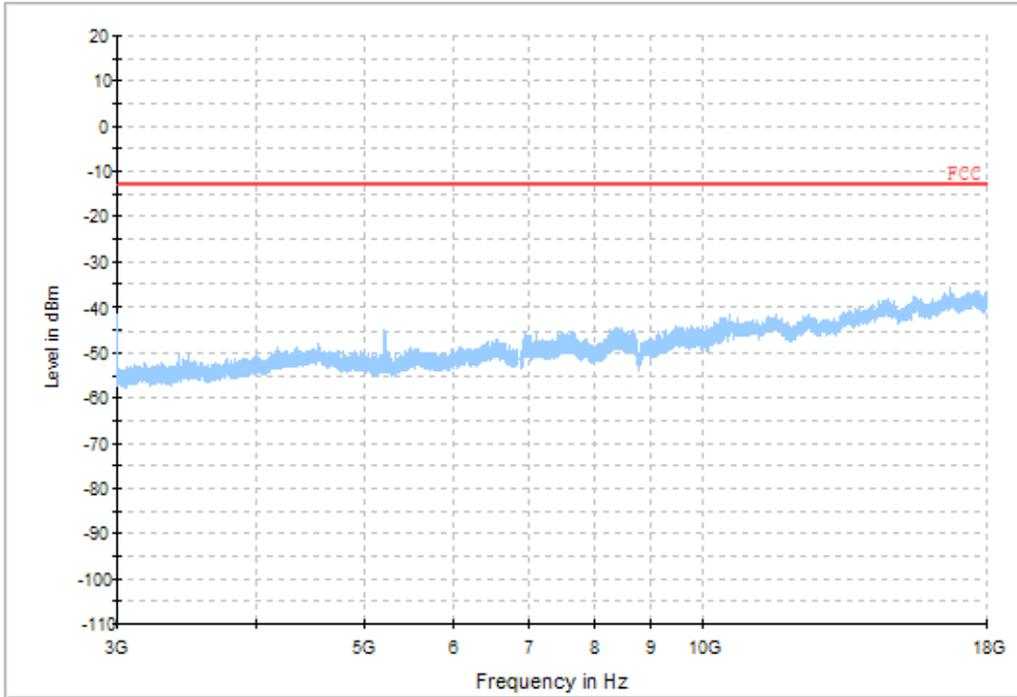
7.1.1.2 Test Bandwidth = 5



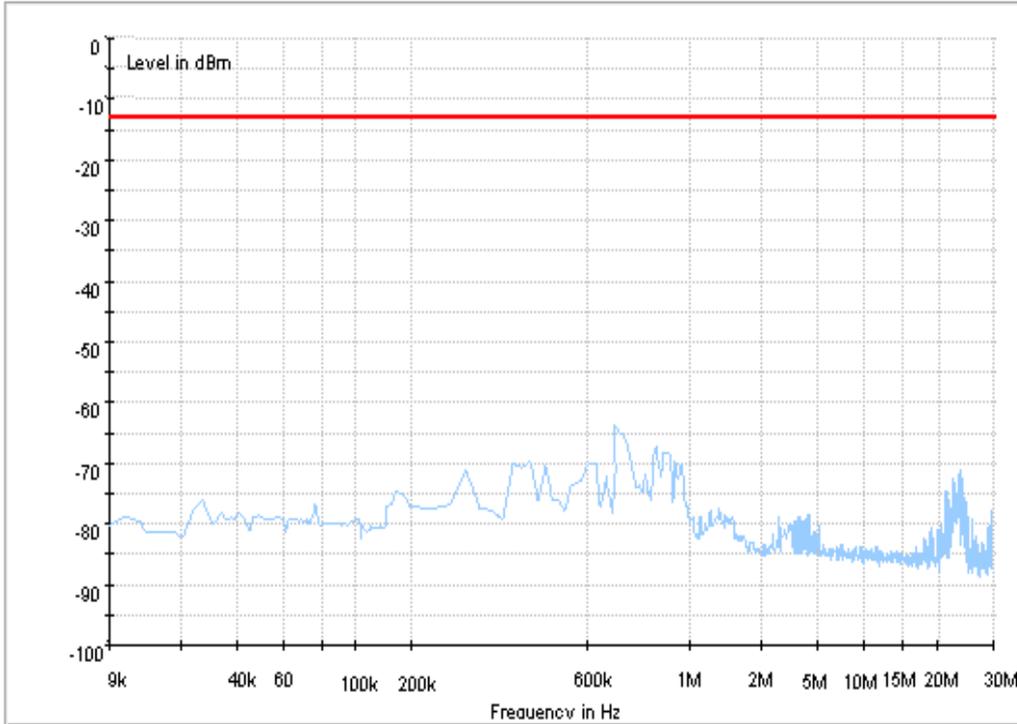
Copy of FCC PART27 LTE Band 4_L



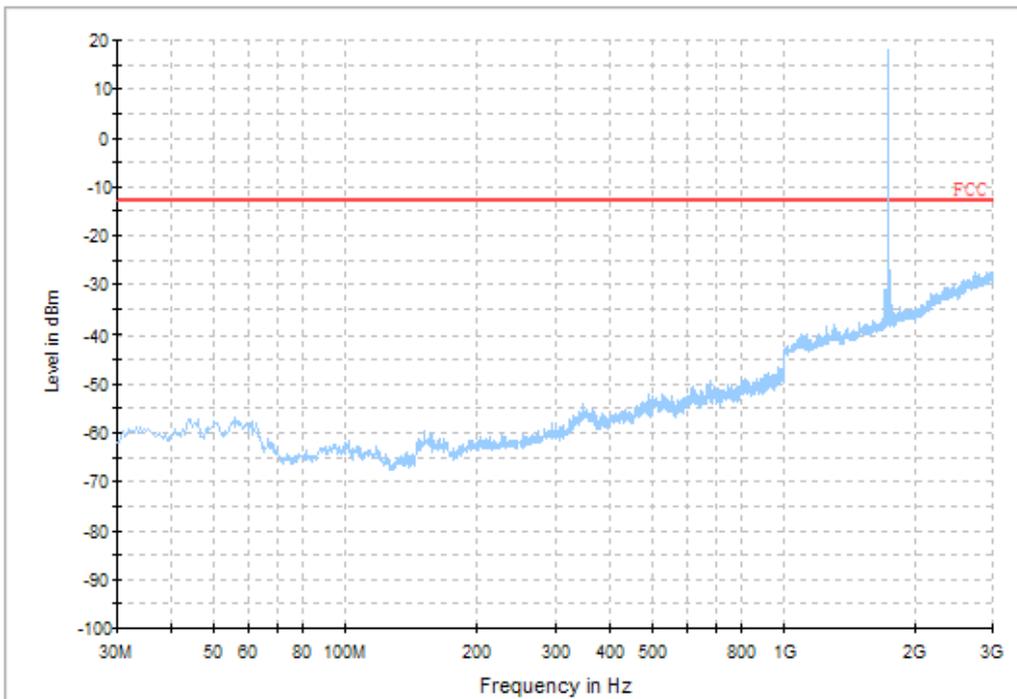
Copy of FCC PART27 LTE Band 4_H



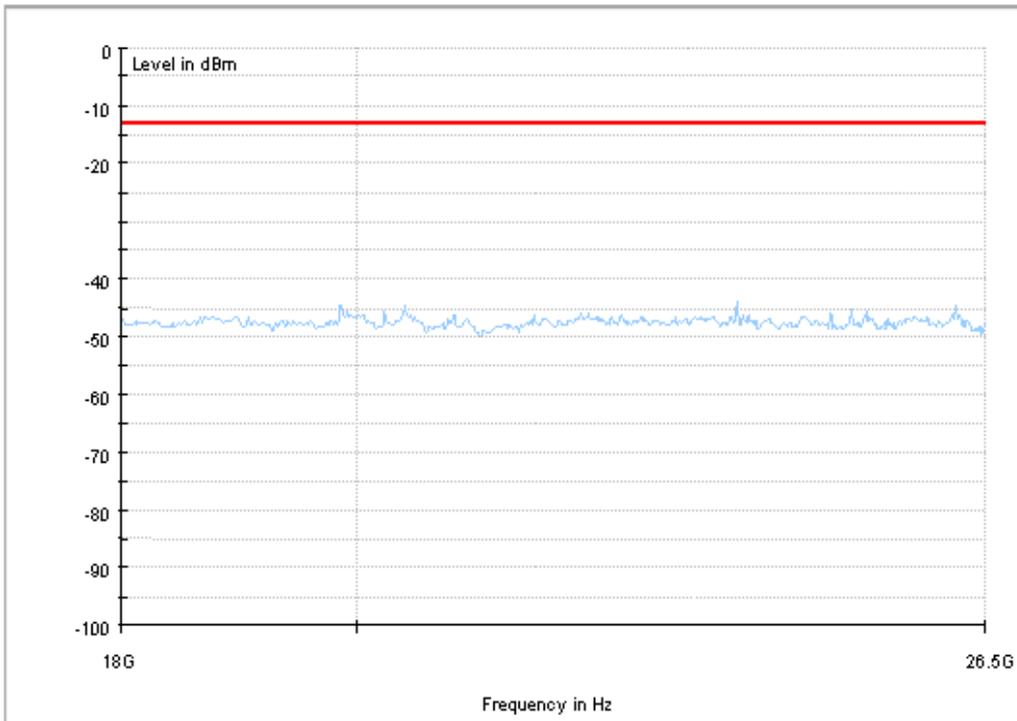
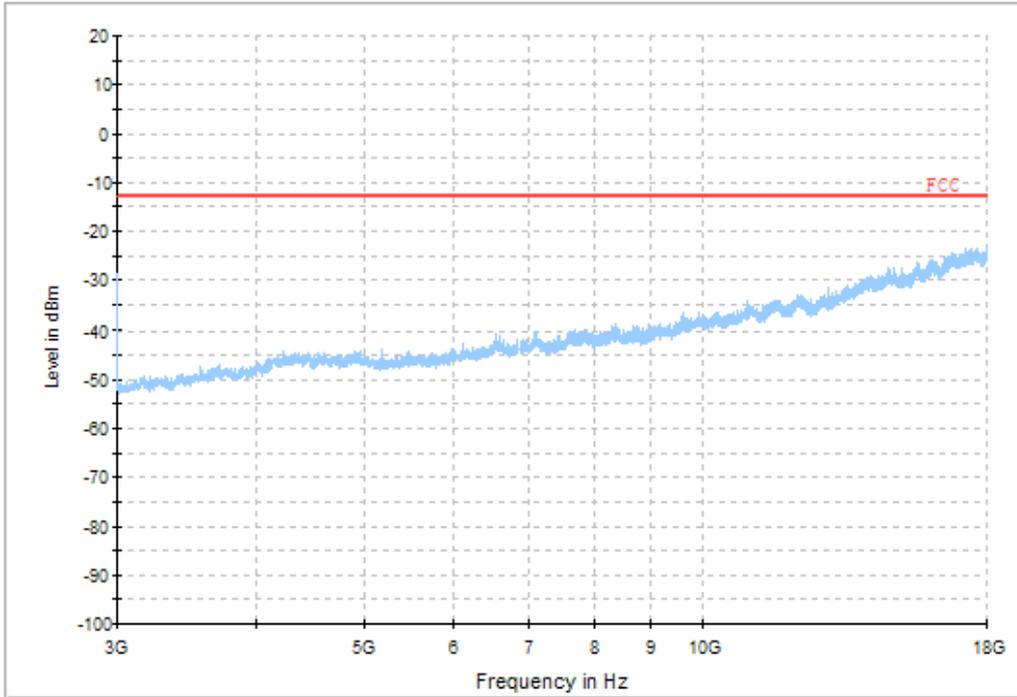
7.1.1.3 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

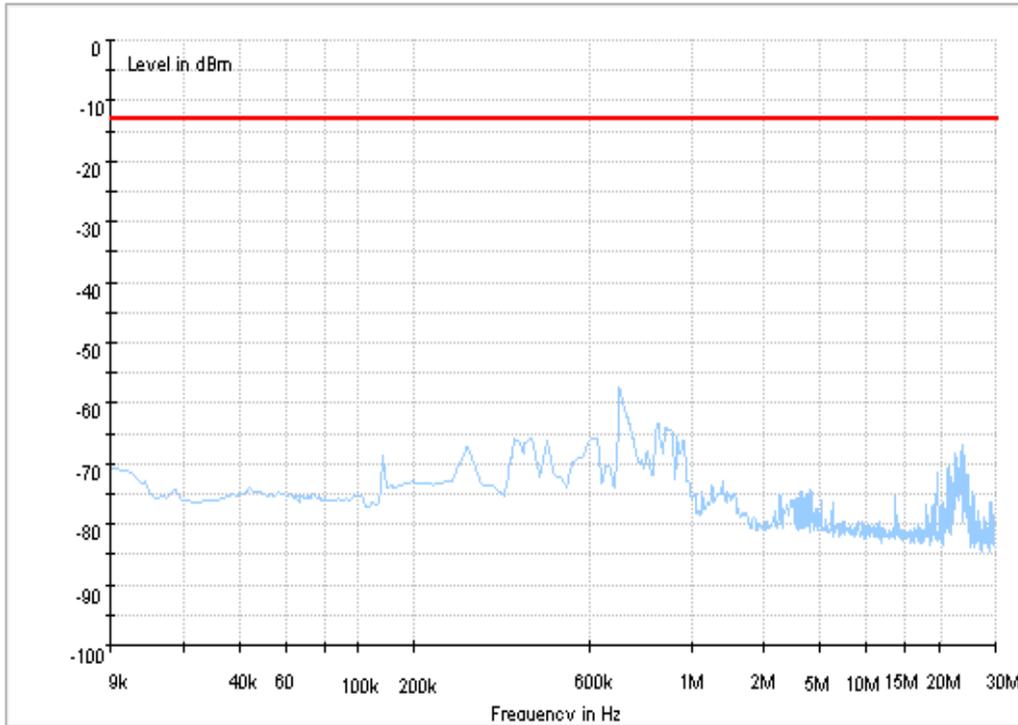


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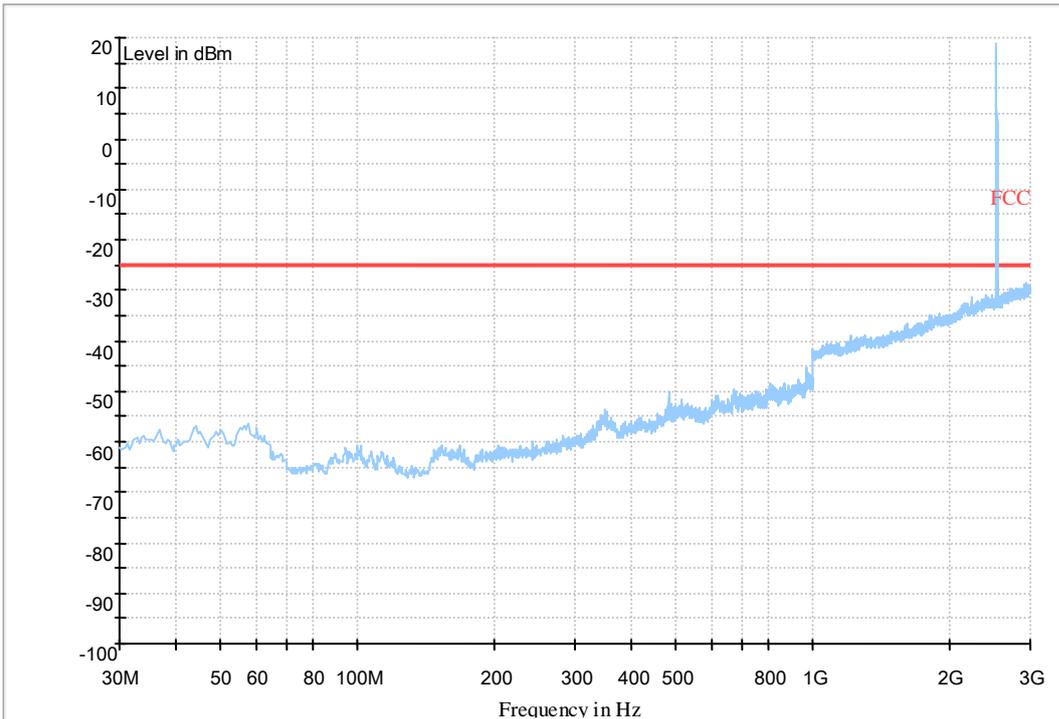


7.1.2 Test Band = BAND7

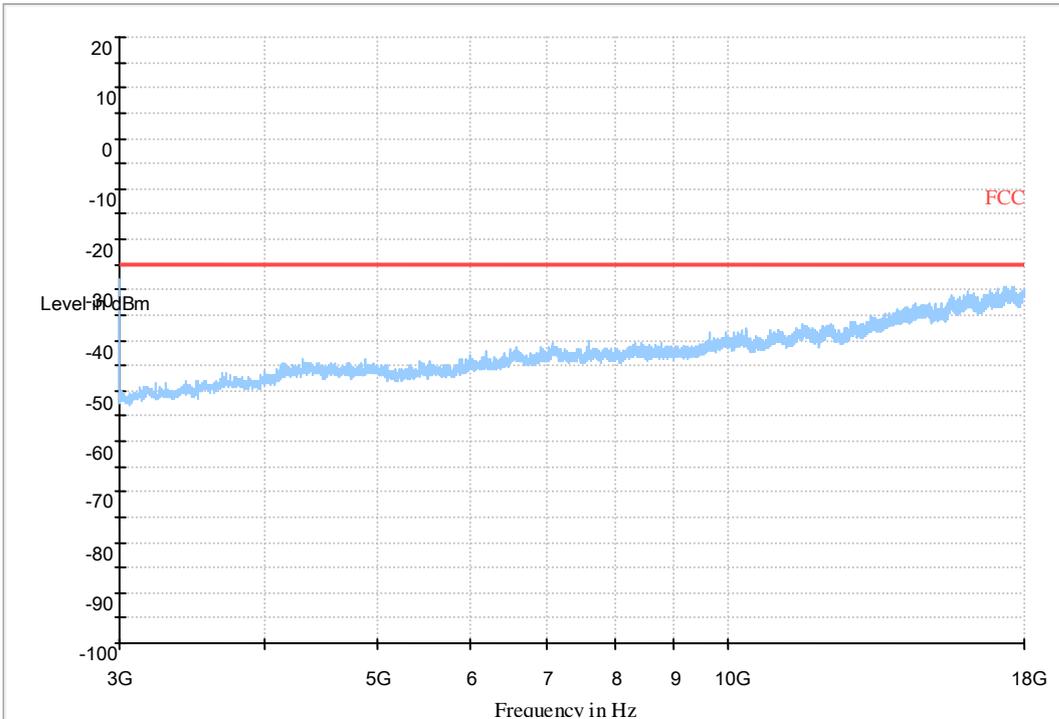
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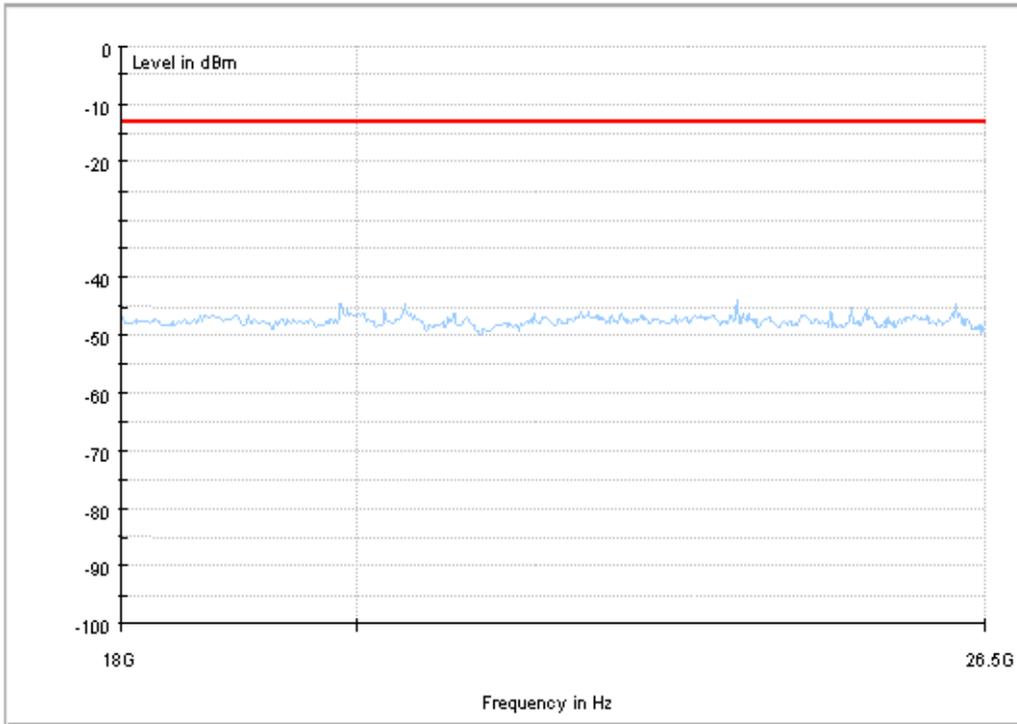


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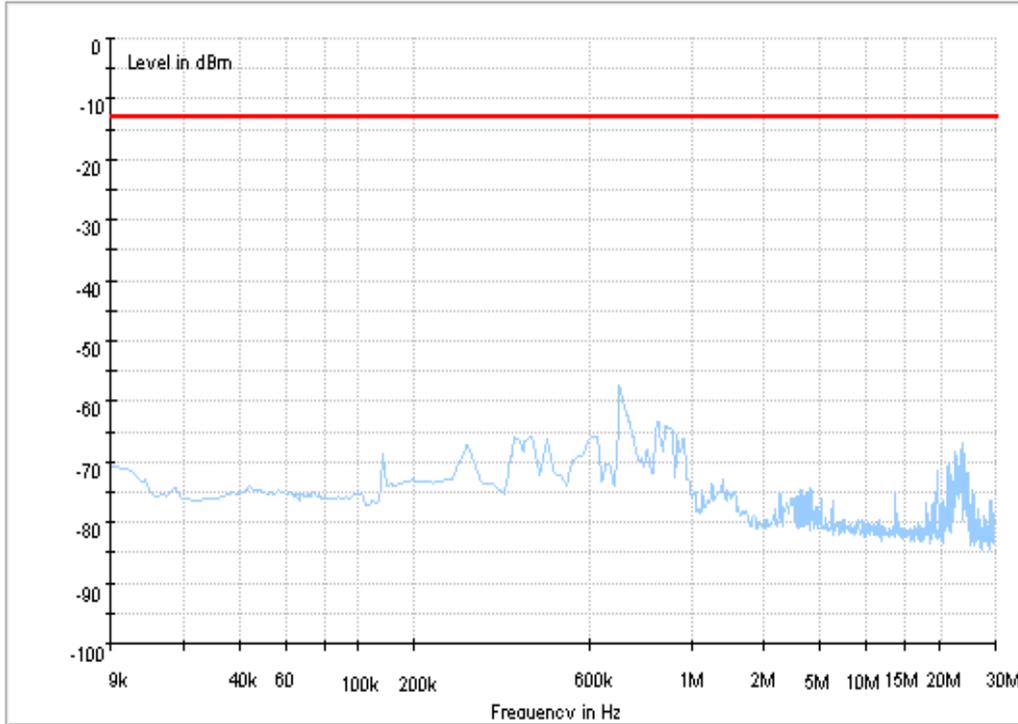


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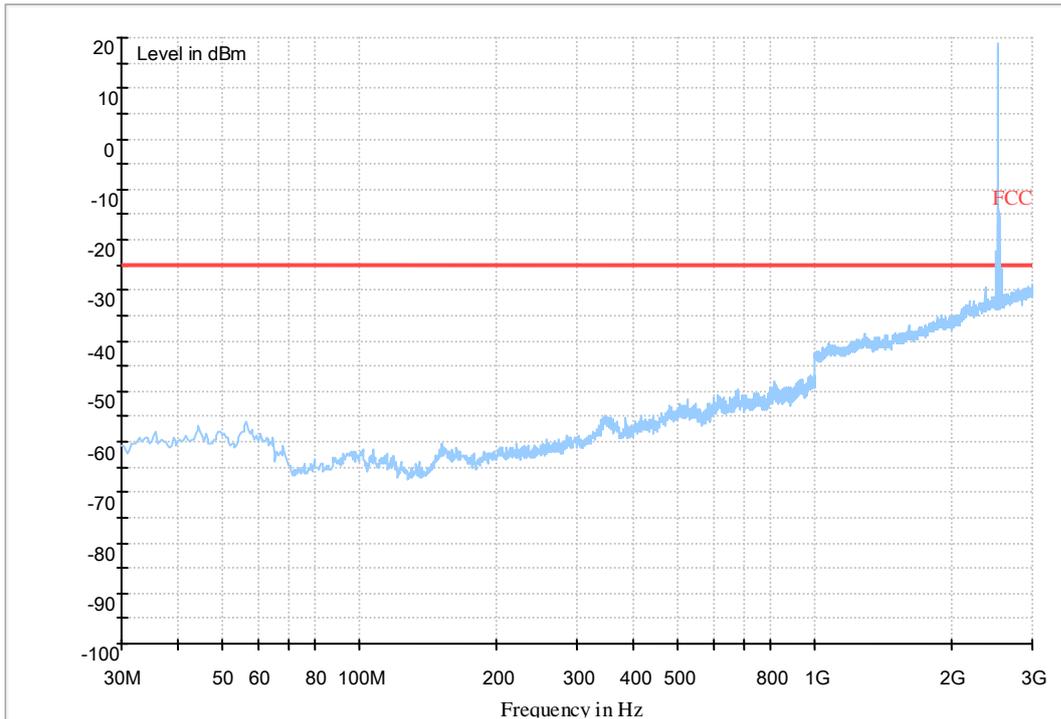




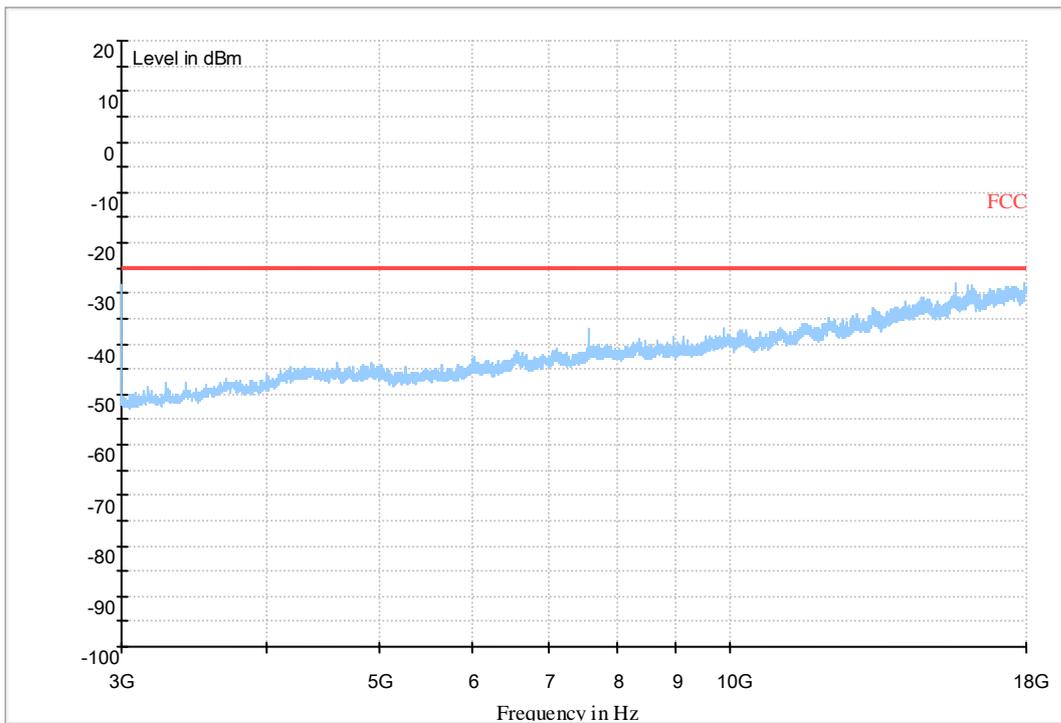
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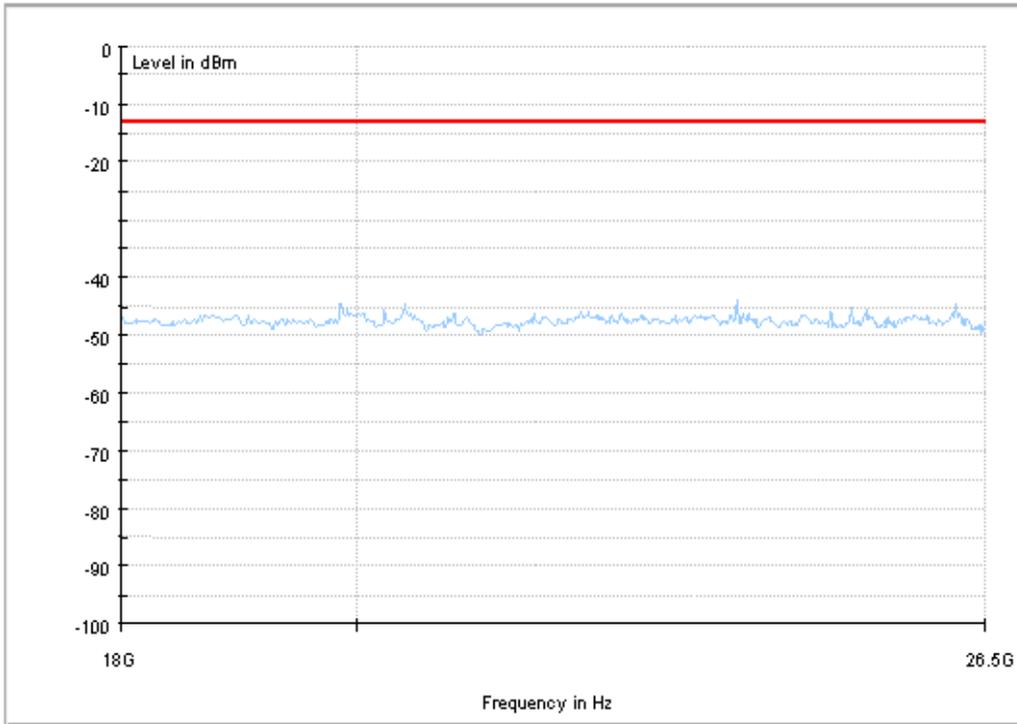


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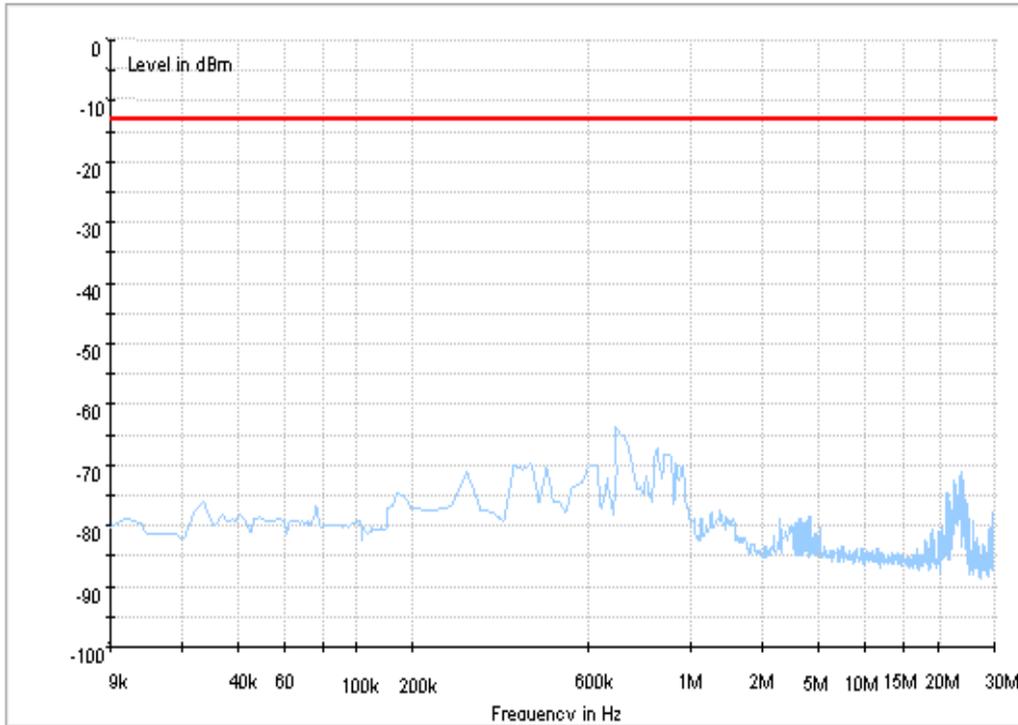
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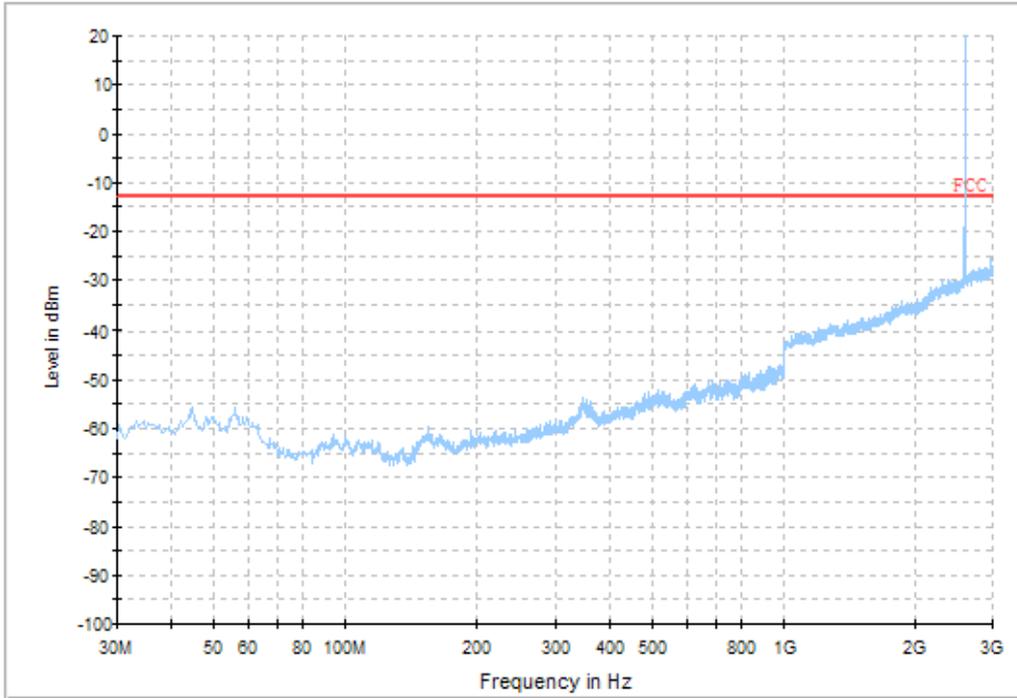


7.1.3 Test Band = BAND38

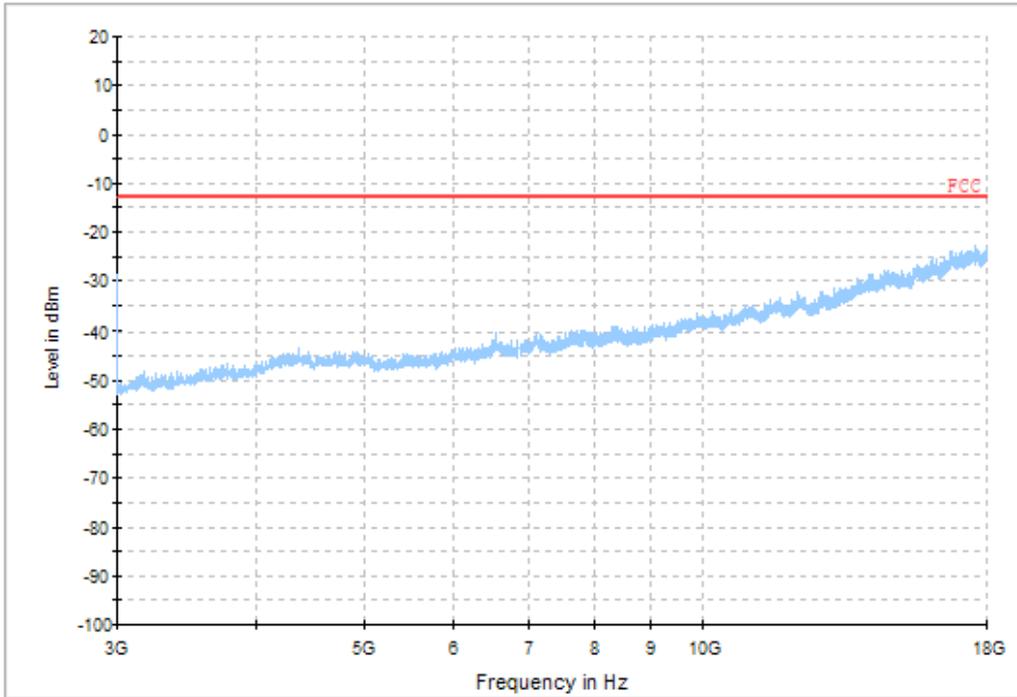
7.1.3.1 Test Bandwidth = 5

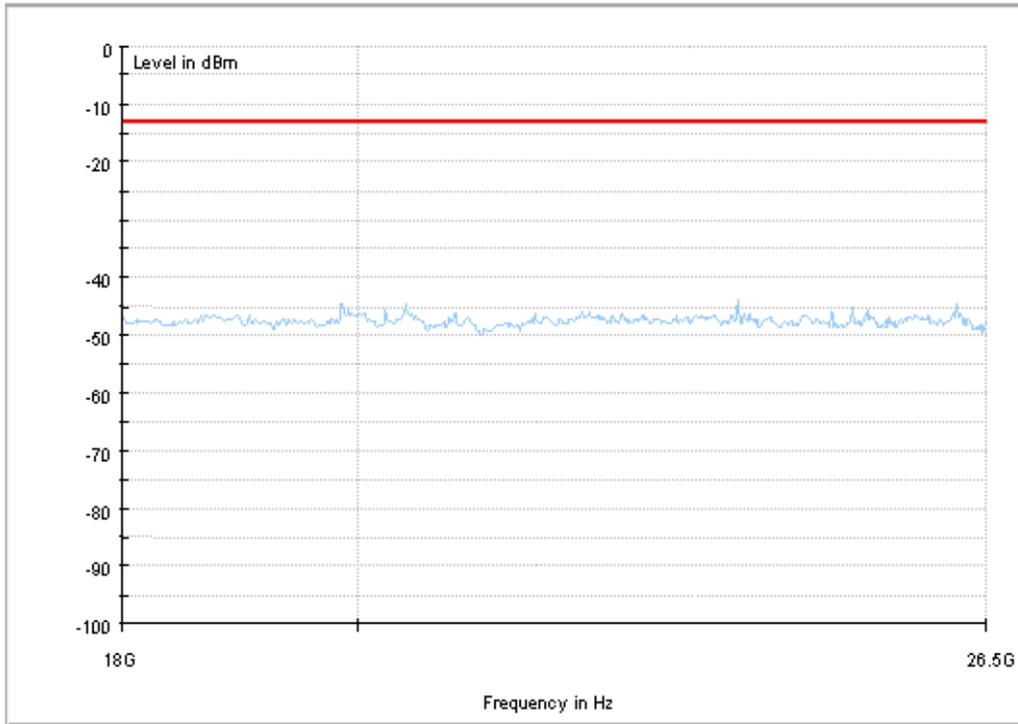


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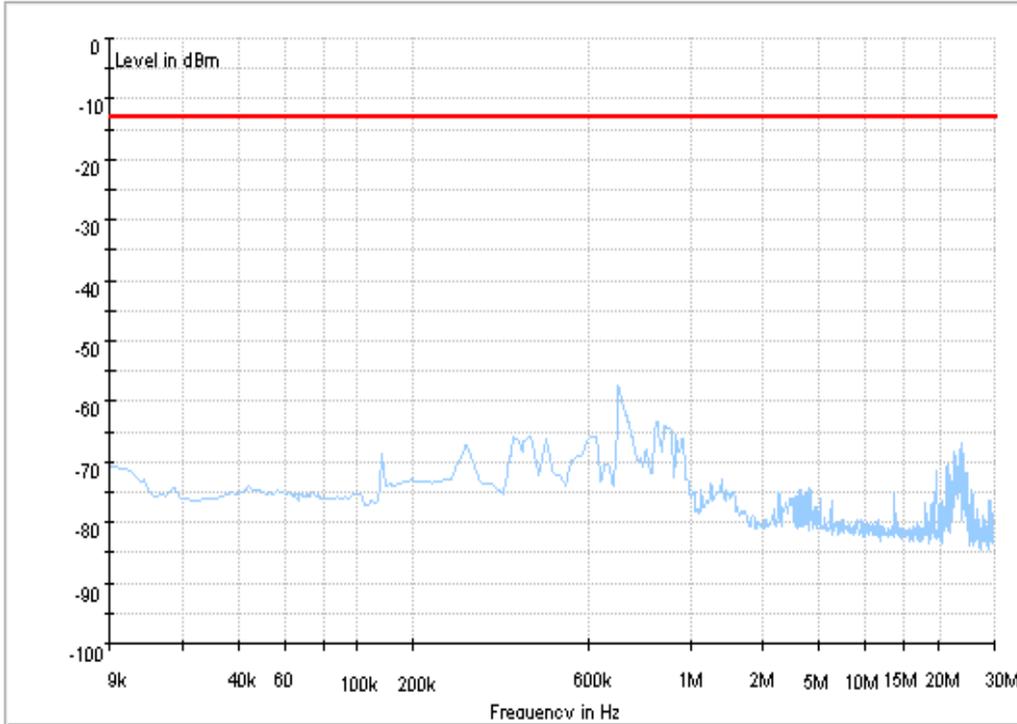


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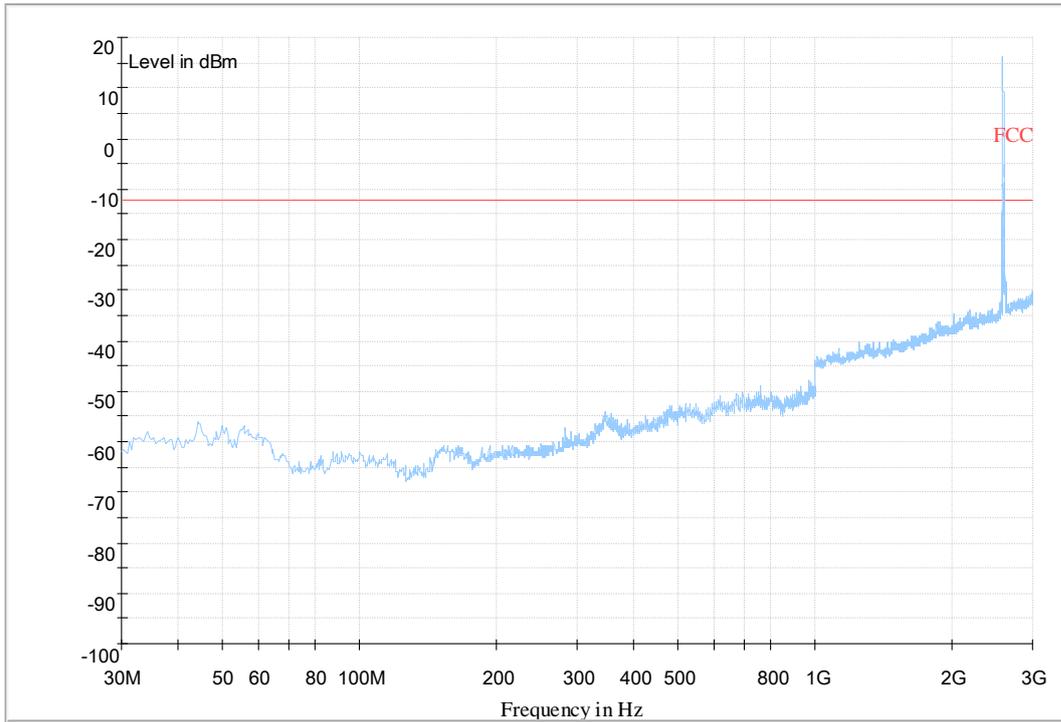




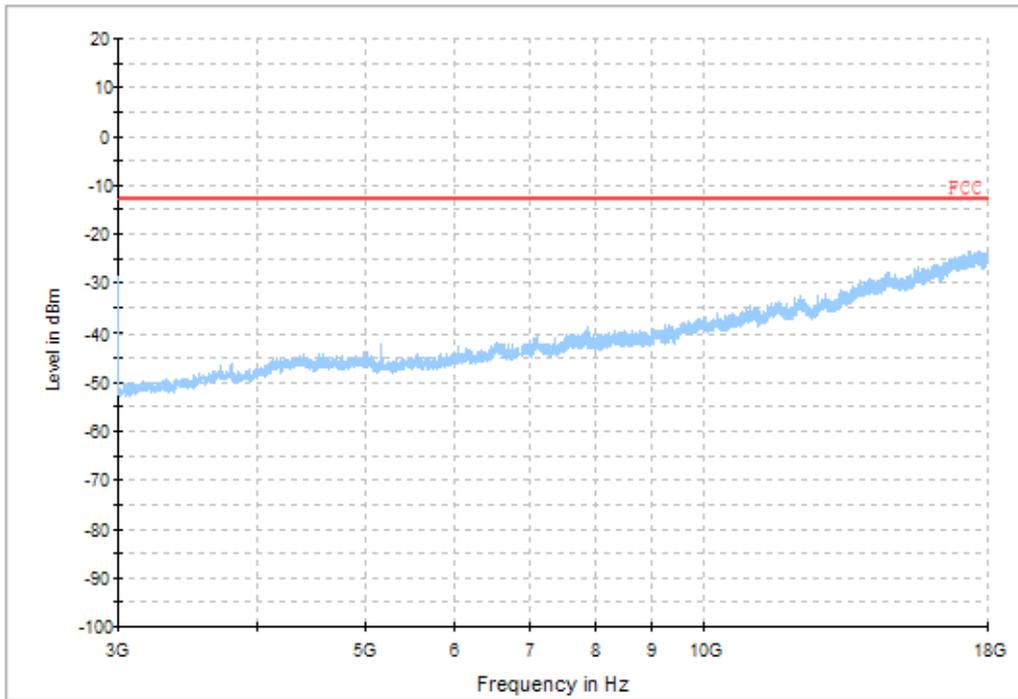
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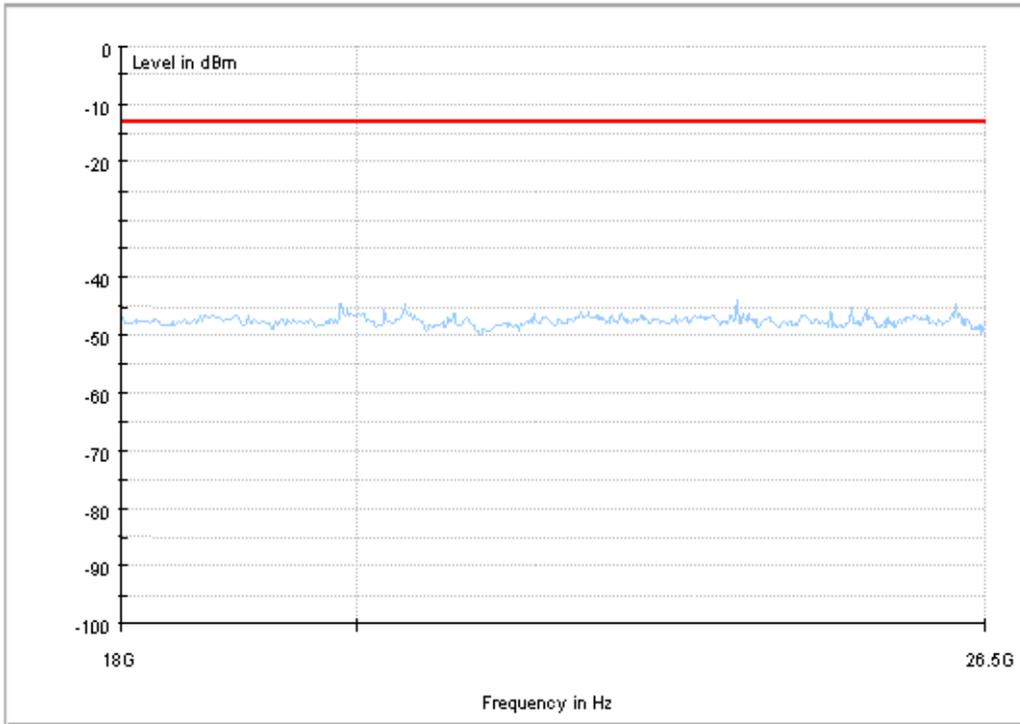


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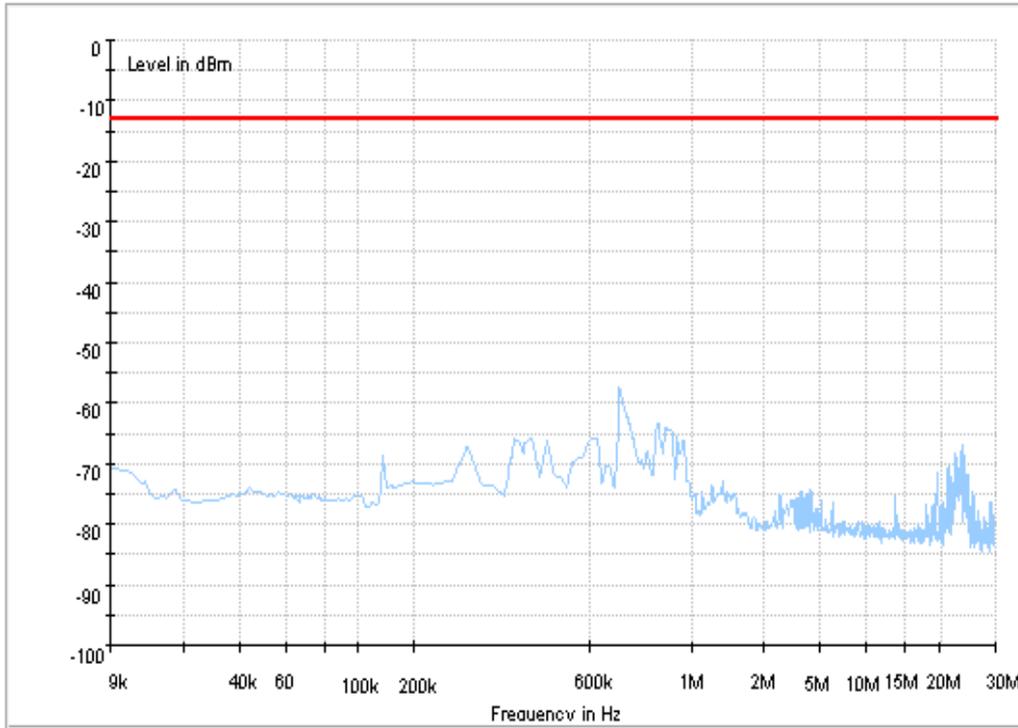
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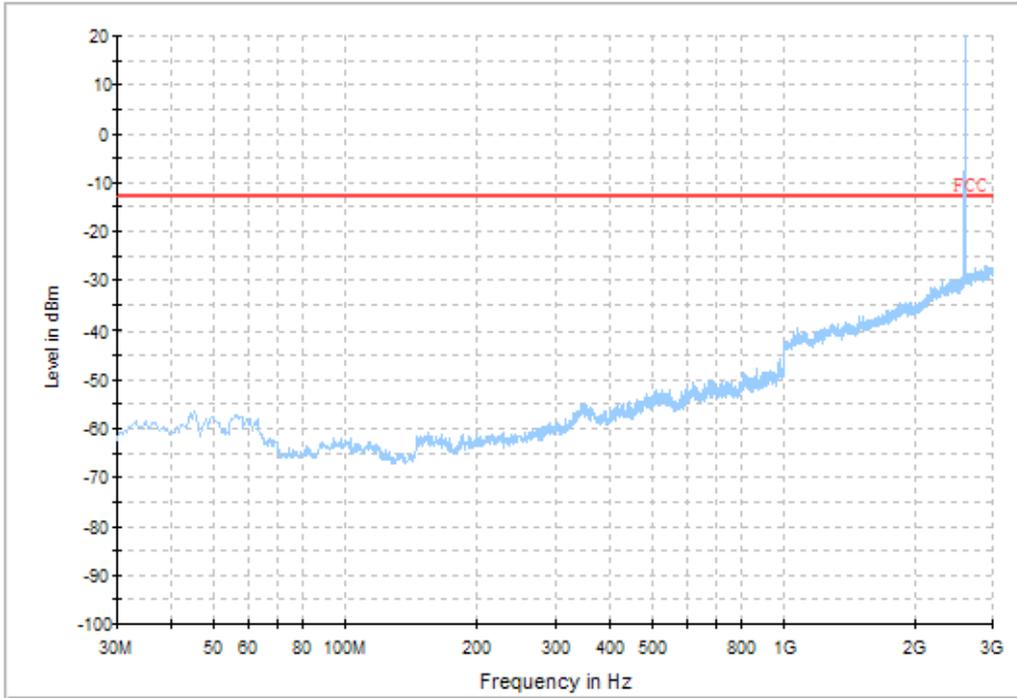


7.1.4 Test Band = BAND41

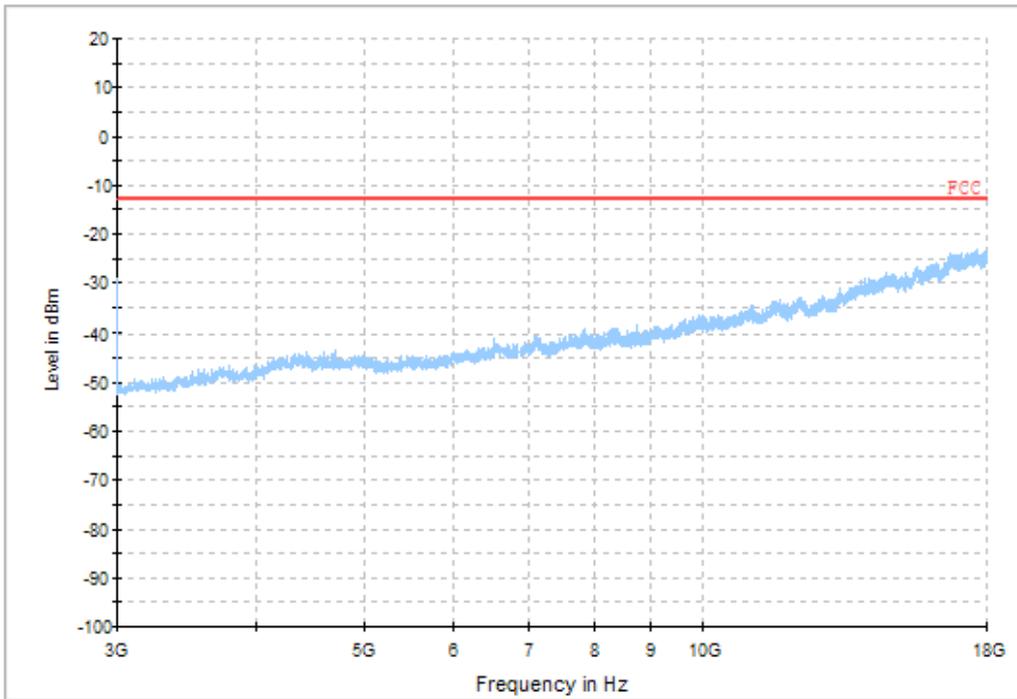
7.1.4.1 Test Bandwidth = 5

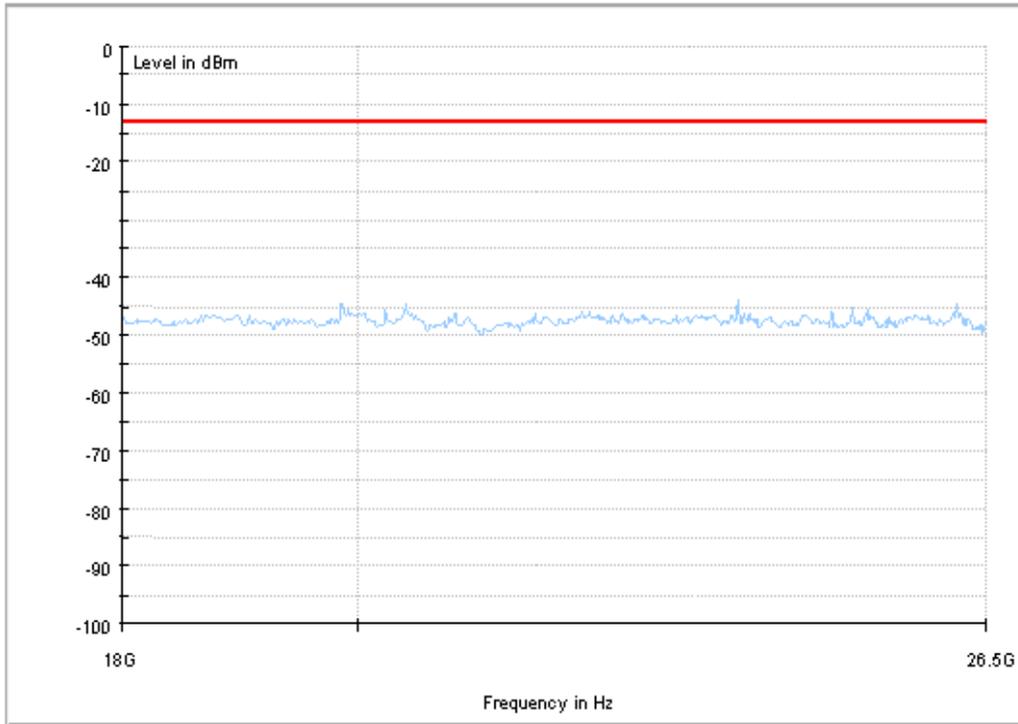


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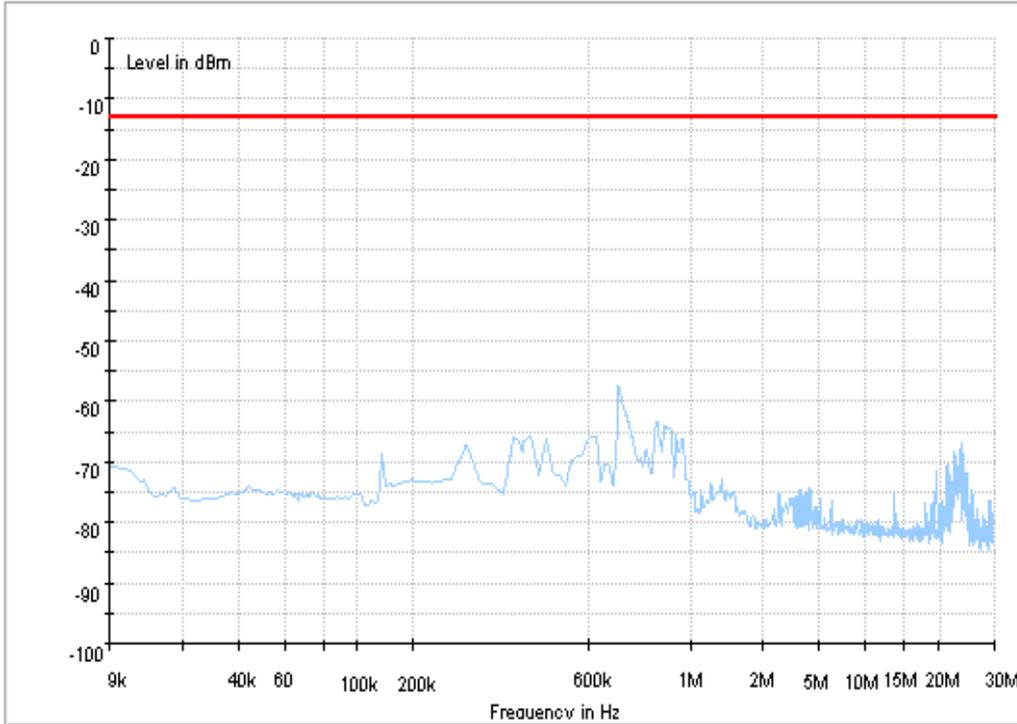


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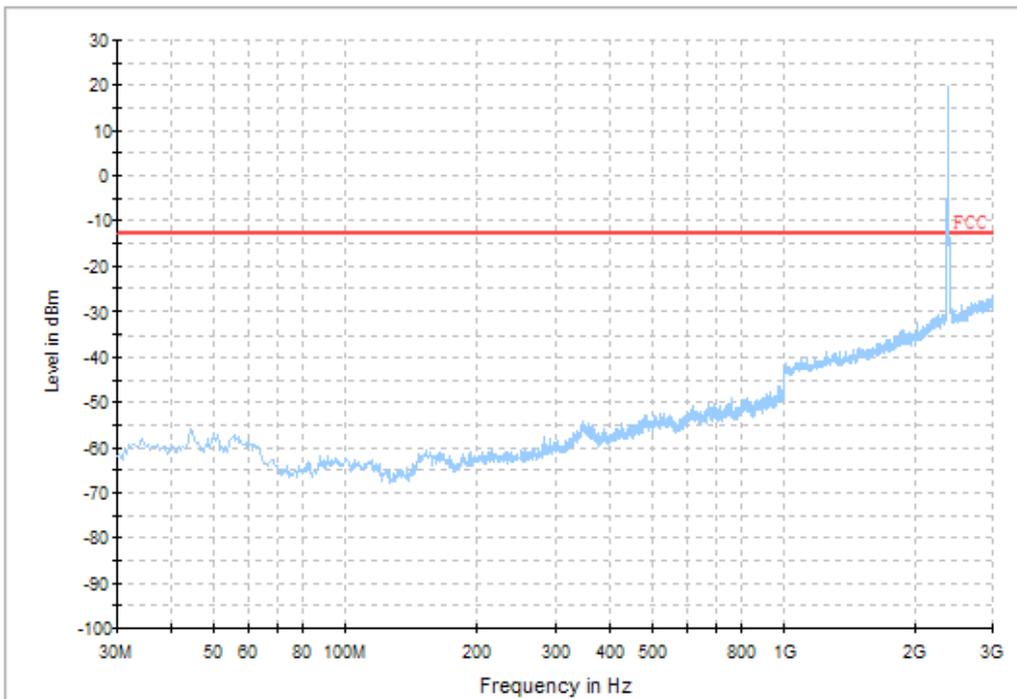




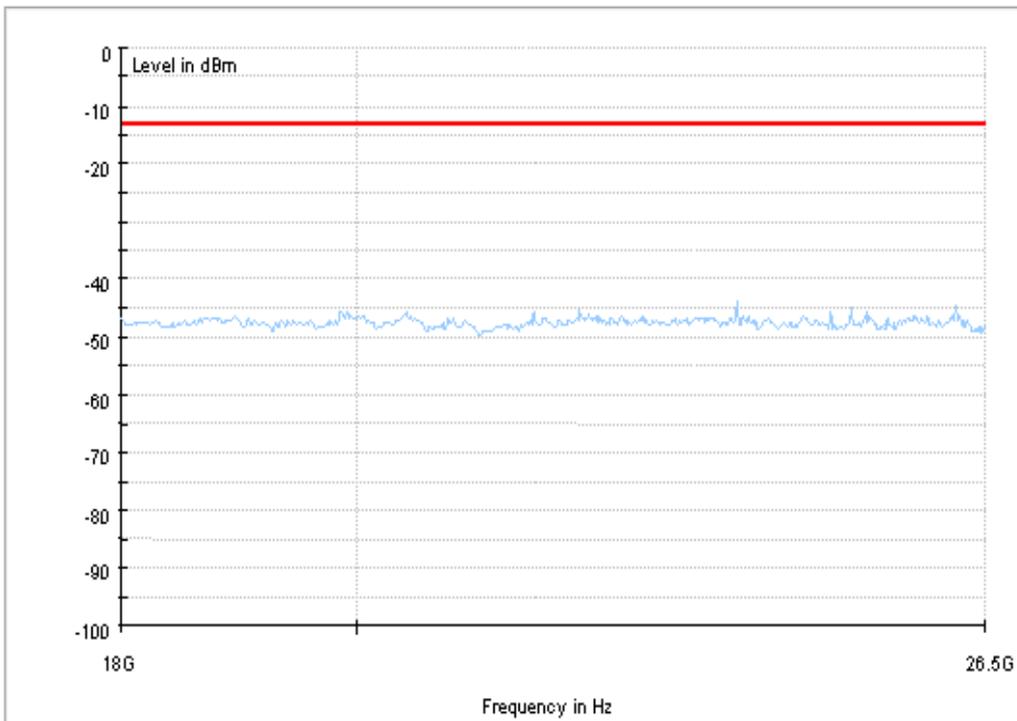
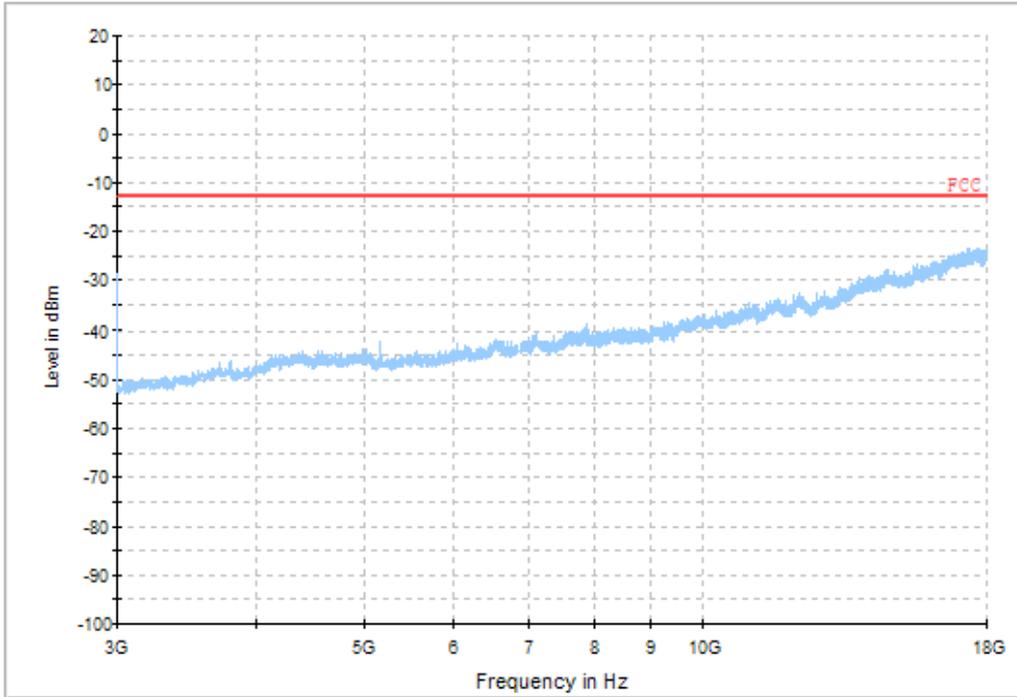
7.1.4.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



8Appendix_H: Frequency Stability

8.3 For LTE

8.3.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND4	LTE/TM1	1.4	LCH	TN	VL	-5.08	-0.00297	PASS
					VN	-2.69	-0.00157	PASS
					VH	-5.25	-0.00307	PASS
			MCH	TN	VL	2.55	0.00147	PASS
					VN	2.32	0.00134	PASS
					VH	3.35	0.00193	PASS
			HCH	TN	VL	-0.9	-0.00051	PASS
					VN	-1.76	-0.001	PASS
					VH	-2.5	-0.00143	PASS
		3	LCH	TN	VL	-3.28	-0.00192	PASS
					VN	-3.73	-0.00218	PASS
					VH	-1.33	-0.00078	PASS
			MCH	TN	VL	23.39	0.0135	PASS
					VN	14.29	0.00825	PASS
					VH	18.41	0.01063	PASS
			HCH	TN	VL	-8.53	-0.00486	PASS
					VN	-3.53	-0.00201	PASS
					VH	-7.6	-0.00433	PASS
		5	LCH	TN	VL	-10.67	-0.00623	PASS
					VN	-6.79	-0.00396	PASS
					VH	-0.94	-0.00055	PASS
			MCH	TN	VL	6.67	0.00385	PASS
					VN	9.17	0.00529	PASS
					VH	4.28	0.00247	PASS
			HCH	TN	VL	-4.46	-0.00254	PASS
					VN	-3.33	-0.0019	PASS
					VH	-8.58	-0.0049	PASS
10	LCH	TN	VL	-4.96	-0.00289	PASS		

	LTE/TM2	15	MCH	TN	VN	2	0.00117	PASS
					VH	1.89	0.0011	PASS
					VL	3.63	0.0021	PASS
					VN	4.38	0.00253	PASS
					VH	3.19	0.00184	PASS
					VN	4.38	0.00253	PASS
			HCH	TN	VL	3.1	0.00177	PASS
					VN	1.4	0.0008	PASS
					VH	-0.47	-0.00027	PASS
					VL	-8.84	-0.00515	PASS
					VN	-8.44	-0.00491	PASS
					VH	-6.49	-0.00378	PASS
		MCH	TN	VL	4.96	0.00286	PASS	
				VN	-4.66	-0.00269	PASS	
				VH	0.21	0.00012	PASS	
				VL	-2.06	-0.00118	PASS	
				VN	-0.93	-0.00053	PASS	
				VH	-1.37	-0.00078	PASS	
		HCH	TN	VL	-2.06	-0.00118	PASS	
				VN	-0.93	-0.00053	PASS	
				VH	-1.37	-0.00078	PASS	
				VL	-1.99	-0.00116	PASS	
				VN	3.55	0.00206	PASS	
				VH	2.46	0.00143	PASS	
		20	MCH	TN	VL	0.37	0.00021	PASS
					VN	1.53	0.00088	PASS
					VH	3.75	0.00216	PASS
					VL	2.16	0.00124	PASS
					VN	6.18	0.00354	PASS
					VH	3.33	0.00191	PASS
		LCH	TN	VL	-2.95	-0.00172	PASS	
				VN	-3.32	-0.00194	PASS	
				VH	-6.27	-0.00367	PASS	
				VL	0.44	0.00025	PASS	
				VN	2.66	0.00154	PASS	
				VH	1.57	0.00091	PASS	
		HCH	TN	VL	-4.18	-0.00238	PASS	
				VN	-4.36	-0.00249	PASS	
				VH	-2.95	-0.00168	PASS	
				VL	-6.32	-0.00369	PASS	
				VN	-7.42	-0.00434	PASS	
				VH	0.03	0.00002	PASS	
3	MCH	TN	VL	11.6	0.0067	PASS		
			VN	17.29	0.00998	PASS		
			VH	15.88	0.00917	PASS		
			VL	-6.58	-0.00375	PASS		
			VN	-6.58	-0.00375	PASS		
			VH	-6.58	-0.00375	PASS		



					VN	-5.08	-0.0029	PASS
					VH	-10.04	-0.00573	PASS
		5	LCH	TN	VL	-3.46	-0.00202	PASS
					VN	-7.12	-0.00416	PASS
			VH	-6.08	-0.00355	PASS		
			MCH	TN	VL	7.41	0.00428	PASS
					VN	9.68	0.00559	PASS
					VH	2.15	0.00124	PASS
		HCH	TN	VL	1.59	0.00091	PASS	
				VN	2.05	0.00117	PASS	
				VH	-2.4	-0.00137	PASS	
		10	LCH	TN	VL	-0.89	-0.00052	PASS
					VN	5.01	0.00292	PASS
					VH	3	0.00175	PASS
			MCH	TN	VL	1.69	0.00098	PASS
					VN	3.23	0.00186	PASS
					VH	-0.79	-0.00046	PASS
			HCH	TN	VL	3.46	0.00198	PASS
					VN	3.82	0.00218	PASS
					VH	3.22	0.00184	PASS
		15	LCH	TN	VL	-6.9	-0.00402	PASS
					VN	-7.2	-0.00419	PASS
					VH	-8.71	-0.00507	PASS
			MCH	TN	VL	2.57	0.00148	PASS
					VN	2.76	0.00159	PASS
					VH	-0.06	-0.00003	PASS
			HCH	TN	VL	-3.75	-0.00215	PASS
					VN	-3.38	-0.00193	PASS
					VH	-1.96	-0.00112	PASS
		20	LCH	TN	VL	0.2	0.00012	PASS
					VN	1	0.00058	PASS
					VH	0.56	0.00033	PASS
			MCH	TN	VL	3.58	0.00207	PASS
					VN	2.09	0.00121	PASS
					VH	1.77	0.00102	PASS
			HCH	TN	VL	5.21	0.00299	PASS
					VN	6.54	0.00375	PASS
					VH	3	0.00172	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	TN	VL	0.24	0.0001	PASS
					VN	-2.19	-0.00088	PASS
					VH	8.47	0.00338	PASS
			MCH	TN	VL	-14.43	-0.00569	PASS
					VN	1.03	0.00041	PASS
					VH	-6.62	-0.00261	PASS
			HCH	TN	VL	-0.73	-0.00028	PASS
					VN	-1.36	-0.00053	PASS
					VH	0.97	0.00038	PASS
		10	LCH	TN	VL	-9.31	-0.00372	PASS
					VN	1.24	0.0005	PASS
					VH	-3.42	-0.00137	PASS
			MCH	TN	VL	-2.9	-0.00114	PASS
					VN	4.46	0.00176	PASS
					VH	-2.39	-0.00094	PASS
			HCH	TN	VL	-0.69	-0.00027	PASS
					VN	8.23	0.00321	PASS
					VH	-1.14	-0.00044	PASS
		15	LCH	TN	VL	-1.57	-0.00063	PASS
					VN	-2.37	-0.00095	PASS
					VH	1.24	0.00049	PASS
			MCH	TN	VL	6.88	0.00271	PASS
					VN	0.27	0.00011	PASS
					VH	3.13	0.00123	PASS
			HCH	TN	VL	7.5	0.00293	PASS
					VN	6.44	0.00251	PASS
					VH	-0.13	-0.00005	PASS
		20	LCH	TN	VL	1.69	0.00067	PASS
					VN	3.26	0.0013	PASS
					VH	3.92	0.00156	PASS
			MCH	TN	VL	-0.34	-0.00013	PASS
					VN	0.07	0.00003	PASS
					VH	-4.51	-0.00178	PASS
			HCH	TN	VL	3.06	0.0012	PASS
					VN	-7.5	-0.00293	PASS
					VH	-7.84	-0.00306	PASS
	LTE/TM2	5	LCH	TN	VL	2.19	0.00088	PASS
					VN	-13.1	-0.00523	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
			MCH	TN	VH	5.31	0.00212	PASS		
					VL	-8.5	-0.00335	PASS		
					VN	-9.88	-0.0039	PASS		
					VH	-0.33	-0.00013	PASS		
					HCH	TN	VL	0.06	0.00002	PASS
							VN	-7.55	-0.00294	PASS
			VH	-1.76			-0.00069	PASS		
			LCH	TN			VL	-5.01	-0.002	PASS
							VN	-0.14	-0.00006	PASS
							VH	3.12	0.00125	PASS
					MCH	TN	VL	0.56	0.00022	PASS
							VN	-6.24	-0.00246	PASS
		VH					5.29	0.00209	PASS	
		HCH	TN	VL			-2.62	-0.00102	PASS	
				VN			-6.55	-0.00255	PASS	
				VH			-11.22	-0.00437	PASS	
				LCH	TN	VL	-8.34	-0.00333	PASS	
						VN	-0.46	-0.00018	PASS	
						VH	-2.25	-0.0009	PASS	
		MCH	TN			VL	-0.44	-0.00017	PASS	
						VN	6.22	0.00245	PASS	
						VH	-0.34	-0.00013	PASS	
				HCH	TN	VL	-9.9	-0.00386	PASS	
						VN	2.49	0.00097	PASS	
						VH	6.41	0.0025	PASS	
		LCH	TN			VL	-0.26	-0.0001	PASS	
						VN	1.32	0.00053	PASS	
						VH	3.92	0.00156	PASS	
				MCH	TN	VL	0.11	0.00004	PASS	
						VN	3.3	0.0013	PASS	
						VH	2.76	0.00109	PASS	
		HCH	TN			VL	7.62	0.00298	PASS	
						VN	0.03	0.00001	PASS	
						VH	3.81	0.00149	PASS	
				LCH	TN	VL	7.82	0.00304	PASS	
						VN	14.72	0.00572	PASS	
						VH	14.85	0.00577	PASS	
		MCH	TN			VL	15.64	0.00603	PASS	
						VN	9.07	0.0035	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			HCH	TN	VH	22.96	0.00885	PASS	
					VL	17.71	0.00677	PASS	
					VN	10.14	0.00387	PASS	
					VH	15.55	0.00594	PASS	
		10	LCH	TN	VL	16.38	0.00636	PASS	
					VN	7.71	0.00299	PASS	
					VH	5.01	0.00195	PASS	
			MCH	TN	VL	19.78	0.00762	PASS	
					VN	11.1	0.00428	PASS	
					VH	17.14	0.00661	PASS	
			HCH	TN	VL	14.59	0.00558	PASS	
					VN	6.67	0.00255	PASS	
					VH	16.74	0.0064	PASS	
			15	LCH	TN	VL	16.11	0.00625	PASS
						VN	22.66	0.00879	PASS
						VH	16.04	0.00622	PASS
		MCH		TN	VL	10.3	0.00397	PASS	
					VN	12.76	0.00492	PASS	
					VH	19.24	0.00741	PASS	
		HCH		TN	VL	10.54	0.00403	PASS	
					VN	12.6	0.00482	PASS	
					VH	9.1	0.00348	PASS	
		20	LCH	TN	VL	15.35	0.00595	PASS	
					VN	18.44	0.00715	PASS	
					VH	20.26	0.00785	PASS	
			MCH	TN	VL	16.21	0.00625	PASS	
					VN	15.02	0.00579	PASS	
					VH	14	0.00539	PASS	
			HCH	TN	VL	12.85	0.00492	PASS	
					VN	9.93	0.0038	PASS	
					VH	19.84	0.0076	PASS	
		LTE/TM2	5	LCH	TN	VL	13.13	0.0051	PASS
						VN	16.44	0.00639	PASS
						VH	9.26	0.0036	PASS
				MCH	TN	VL	15.35	0.00592	PASS
						VN	10.61	0.00409	PASS
						VH	13.45	0.00518	PASS
				HCH	TN	VL	14.38	0.00549	PASS
						VN	13.3	0.00508	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					VH	20.63	0.00788	PASS			
					10	LCH	TN	VL	3.6	0.0014	PASS
								VN	14.99	0.00582	PASS
		VH	7.62	0.00296				PASS			
		MCH	TN	VL		14.53	0.0056	PASS			
				VN		10.97	0.00423	PASS			
				VH		14.23	0.00548	PASS			
		HCH	TN	VL	10.77	0.00412	PASS				
				VN	4.38	0.00167	PASS				
				VH	5.24	0.002	PASS				
		15	LCH	TN	VL	15.75	0.00611	PASS			
					VN	22.87	0.00887	PASS			
					VH	21.43	0.00831	PASS			
			MCH	TN	VL	19.01	0.00733	PASS			
					VN	17.21	0.00663	PASS			
					VH	19.24	0.00741	PASS			
			HCH	TN	VL	10.09	0.00386	PASS			
					VN	8.9	0.00341	PASS			
					VH	13.89	0.00532	PASS			
		20	LCH	TN	VL	19.56	0.00758	PASS			
					VN	18.6	0.00721	PASS			
					VH	9.43	0.00366	PASS			
			MCH	TN	VL	20.51	0.0079	PASS			
					VN	17.44	0.00672	PASS			
					VH	22.62	0.00872	PASS			
			HCH	TN	VL	21.17	0.00811	PASS			
					VN	20.61	0.0079	PASS			
					VH	20.74	0.00795	PASS			
		BAND41	LTE/TM1	5	LCH	TN	VL	14.25	0.00557	PASS	
							VN	19.73	0.00771	PASS	
							VH	17.45	0.00682	PASS	
					MCH	TN	VL	12.93	0.00496	PASS	
							VN	5.61	0.00215	PASS	
							VH	11.87	0.00456	PASS	
				HCH	TN	VL	12.83	0.00484	PASS		
						VN	11.7	0.00441	PASS		
VH	14.73					0.00555	PASS				
10	LCH			TN	VL	11.37	0.00444	PASS			
					VN	14.76	0.00577	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2		MCH	TN	VH	17.38	0.00679	PASS
					VL	19.34	0.00742	PASS
					VN	14.15	0.00543	PASS
					VH	15.94	0.00612	PASS
					VL	17.97	0.00678	PASS
					VN	11.82	0.00446	PASS
			HCH	TN	VH	20.61	0.00778	PASS
					VL	14.39	0.00562	PASS
					VN	16.88	0.00659	PASS
					VH	10.54	0.00411	PASS
					VL	9.88	0.00379	PASS
					VN	15.34	0.00589	PASS
		MCH	TN	VH	10.03	0.00385	PASS	
				VL	12.57	0.00475	PASS	
				VN	20.73	0.00783	PASS	
				VH	13.92	0.00526	PASS	
				VL	24.16	0.00942	PASS	
				VN	19.33	0.00754	PASS	
		HCH	TN	VH	17.85	0.00696	PASS	
				VL	15.34	0.00589	PASS	
				VN	19.13	0.00734	PASS	
				VH	16.79	0.00645	PASS	
				VL	27.78	0.0105	PASS	
				VN	17.17	0.00649	PASS	
		15	LCH	TN	VH	22.2	0.00839	PASS
					VL	17.12	0.00669	PASS
					VN	14.92	0.00583	PASS
					VH	11.44	0.00447	PASS
					VL	11.2	0.0043	PASS
					VN	16.61	0.00638	PASS
			MCH	TN	VH	16.37	0.00628	PASS
					VL	17.64	0.00665	PASS
					VN	12.02	0.00453	PASS
					VH	10.87	0.0041	PASS
					VL	10.97	0.00429	PASS
					VN	13.96	0.00545	PASS
		HCH	TN	VH	6.97	0.00272	PASS	
				VL	11.04	0.00424	PASS	
				VN	10.7	0.00411	PASS	
				VL	24.16	0.00942	PASS	
				VN	19.33	0.00754	PASS	
				VH	17.85	0.00696	PASS	
20	LCH	TN	VH	17.85	0.00696	PASS		
			VL	15.34	0.00589	PASS		
			VN	19.13	0.00734	PASS		
			VH	16.79	0.00645	PASS		
			VL	27.78	0.0105	PASS		
			VN	17.17	0.00649	PASS		
	MCH	TN	VH	22.2	0.00839	PASS		
			VL	17.12	0.00669	PASS		
			VN	14.92	0.00583	PASS		
			VH	11.44	0.00447	PASS		
			VL	11.2	0.0043	PASS		
			VN	16.61	0.00638	PASS		
HCH	TN	VH	16.37	0.00628	PASS			
		VL	17.64	0.00665	PASS			
		VN	12.02	0.00453	PASS			
		VH	10.87	0.0041	PASS			
		VL	10.97	0.00429	PASS			
		VN	13.96	0.00545	PASS			
5	LCH	TN	VH	6.97	0.00272	PASS		
			VL	11.04	0.00424	PASS		
			VN	10.7	0.00411	PASS		
			VL	24.16	0.00942	PASS		
			VN	19.33	0.00754	PASS		
			VH	17.85	0.00696	PASS		
10	MCH	TN	VH	17.85	0.00696	PASS		
			VL	15.34	0.00589	PASS		
			VN	19.13	0.00734	PASS		
			VH	16.79	0.00645	PASS		
			VL	27.78	0.0105	PASS		
			VN	17.17	0.00649	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			HCH	TN	VH	15.02	0.00577	PASS	
					VL	17.85	0.00674	PASS	
					VN	12.5	0.00472	PASS	
					VH	19.81	0.00748	PASS	
		15	LCH	TN	VL	15.56	0.00607	PASS	
					VN	14.51	0.00566	PASS	
					VH	13	0.00507	PASS	
			MCH	TN	VL	14.73	0.00565	PASS	
					VN	20.54	0.00788	PASS	
					VH	22.92	0.0088	PASS	
			HCH	TN	VL	18.07	0.00683	PASS	
					VN	12.19	0.0046	PASS	
					VH	12.97	0.0049	PASS	
			20	LCH	TN	VL	19.35	0.00754	PASS
						VN	14.35	0.00559	PASS
						VH	17.05	0.00665	PASS
		MCH		TN	VL	17.21	0.00661	PASS	
					VN	14.46	0.00555	PASS	
					VH	14.23	0.00546	PASS	
		HCH		TN	VL	12.53	0.00474	PASS	
					VN	19.64	0.00743	PASS	
					VH	11.6	0.00439	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
BAND4	LTE/TM1	1.4	LCH	VN	-30	-5.51	-0.00322	PASS
					-20	-6.48	-0.00379	PASS
					-10	-4.82	-0.00282	PASS
					0	-4.35	-0.00254	PASS
					10	-5.89	-0.00344	PASS
					20	-1.56	-0.00091	PASS
					30	-5.87	-0.00343	PASS
					40	-6.67	-0.0039	PASS
					50	-1.75	-0.00102	PASS
			MCH	VN	-30	2.59	0.00149	PASS
					-20	4.73	0.00273	PASS

					-10	1.47	0.00085	PASS
					0	2.09	0.00121	PASS
					10	4.12	0.00238	PASS
					20	4.02	0.00232	PASS
					30	2.62	0.00151	PASS
					40	1.54	0.00089	PASS
					50	5.32	0.00307	PASS
			HCH	VN	-30	-3.79	-0.00216	PASS
					-20	-1.62	-0.00092	PASS
					-10	-1.99	-0.00113	PASS
					0	-1.79	-0.00102	PASS
					10	-1.65	-0.00094	PASS
					20	-0.83	-0.00047	PASS
					30	-4.63	-0.00264	PASS
		3	LCH	VN	-30	2.39	0.0014	PASS
					-20	-1.04	-0.00061	PASS
					-10	-0.24	-0.00014	PASS
					0	-5.01	-0.00293	PASS
					10	6.19	0.00362	PASS
					20	3.99	0.00233	PASS
					30	-6.97	-0.00407	PASS
					40	4.16	0.00243	PASS
			MCH	VN	-30	11.62	0.00671	PASS
					-20	9.86	0.00569	PASS
					-10	16.81	0.0097	PASS
					0	16.15	0.00932	PASS
					10	18.1	0.01045	PASS
					20	12.35	0.00713	PASS
					30	14.15	0.00817	PASS
					40	19.78	0.01142	PASS
		HCH	VN	-30	-8.01	-0.00457	PASS	
				-20	-10.39	-0.00593	PASS	
				-10	-2.72	-0.00155	PASS	
				0	-5.87	-0.00335	PASS	
				10	-10.44	-0.00595	PASS	
				20	-0.39	-0.00022	PASS	
				30	-2.03	-0.00116	PASS	
				40	-5.81	-0.00331	PASS	



		5	LCH	VN	50	-6.91	-0.00394	PASS
					-30	-2.07	-0.00121	PASS
					-20	-0.97	-0.00057	PASS
					-10	-3.52	-0.00206	PASS
					0	-3.05	-0.00178	PASS
					10	-3.62	-0.00211	PASS
					20	-6.15	-0.00359	PASS
					30	-5.91	-0.00345	PASS
			40	-12.3	-0.00718	PASS		
			50	-0.37	-0.00022	PASS		
			MCH	VN	-30	7.11	0.0041	PASS
					-20	3.22	0.00186	PASS
					-10	10.59	0.00611	PASS
					0	6.64	0.00383	PASS
					10	2.1	0.00121	PASS
					20	2.93	0.00169	PASS
		30			6.08	0.00351	PASS	
		40			8.88	0.00513	PASS	
		50	0.59	0.00034	PASS			
		HCH	VN	-30	2.2	0.00126	PASS	
				-20	0.43	0.00025	PASS	
				-10	-3.81	-0.00217	PASS	
				0	0.06	0.00003	PASS	
				10	0.57	0.00033	PASS	
				20	-0.92	-0.00052	PASS	
				30	-6.45	-0.00368	PASS	
				40	-5.11	-0.00292	PASS	
		50	-0.21	-0.00012	PASS			
		10	LCH	VN	-30	-0.04	-0.00002	PASS
					-20	1.63	0.00095	PASS
					-10	-1.75	-0.00102	PASS
					0	-0.49	-0.00029	PASS
					10	-5.04	-0.00294	PASS
					20	-2.15	-0.00125	PASS
					30	-1.23	-0.00072	PASS
					40	0.39	0.00023	PASS
			50	-3.38	-0.00197	PASS		
			MCH	VN	-30	-0.21	-0.00012	PASS
					-20	1.44	0.00083	PASS
					-10	4.11	0.00237	PASS
0	5.35				0.00309	PASS		
10	6.81				0.00393	PASS		



					20	2.33	0.00134	PASS		
					30	5.71	0.0033	PASS		
					40	-4.03	-0.00233	PASS		
					50	4.29	0.00248	PASS		
			HCH	VN	-30	1.65	0.00094	PASS		
					-20	6.47	0.0037	PASS		
					-10	4.99	0.00285	PASS		
					0	7.88	0.0045	PASS		
					10	-1.06	-0.00061	PASS		
					20	0.83	0.00047	PASS		
					30	3.29	0.00188	PASS		
					40	6.91	0.00395	PASS		
					50	3.42	0.00195	PASS		
					LCH	VN	-30	-10.21	-0.00594	PASS
		-20	-9.5	-0.00553			PASS			
		-10	-6.87	-0.004			PASS			
		0	-5.34	-0.00311			PASS			
		10	-10.26	-0.00597			PASS			
		20	-3.32	-0.00193			PASS			
		30	-9.67	-0.00563			PASS			
		40	-4.56	-0.00266			PASS			
		MCH	VN	-30	4.96	0.00286	PASS			
				-20	-1.33	-0.00077	PASS			
				-10	-0.13	-0.00008	PASS			
				0	-0.39	-0.00023	PASS			
				10	1.26	0.00073	PASS			
				20	-0.03	-0.00002	PASS			
				30	-0.43	-0.00025	PASS			
				40	0.11	0.00006	PASS			
		HCH	VN	50	3.6	0.00208	PASS			
				-30	-4.36	-0.00249	PASS			
				-20	-1.79	-0.00102	PASS			
				-10	-1.32	-0.00076	PASS			
				0	-2.09	-0.0012	PASS			
				10	-10.14	-0.0058	PASS			
				20	1.04	0.0006	PASS			
				30	-0.47	-0.00027	PASS			
		20	LCH	VN	40	-3.16	-0.00181	PASS		
					50	-5.98	-0.00342	PASS		
							-30	-2.62	-0.00152	PASS
							-20	-0.49	-0.00028	PASS

					-10	-2.42	-0.00141	PASS
					0	0.64	0.00037	PASS
					10	1.46	0.00085	PASS
					20	-0.87	-0.00051	PASS
					30	-2.56	-0.00149	PASS
					40	-2.33	-0.00135	PASS
					50	0.47	0.00027	PASS
			MCH	VN	-30	1.37	0.00079	PASS
					-20	0.03	0.00002	PASS
					-10	-0.07	-0.00004	PASS
					0	-2.88	-0.00166	PASS
					10	0.06	0.00003	PASS
					20	3.42	0.00197	PASS
					30	-0.23	-0.00013	PASS
			HCH	VN	-30	5.32	0.00305	PASS
					-20	7.41	0.00425	PASS
					-10	5.34	0.00306	PASS
					0	3.66	0.0021	PASS
					10	4.11	0.00236	PASS
					20	5.95	0.00341	PASS
	30	4.58			0.00262	PASS		
	LCH	VN	-30	-3.15	-0.00184	PASS		
			-20	-3.81	-0.00223	PASS		
			-10	-4.75	-0.00278	PASS		
			0	-5.25	-0.00307	PASS		
			10	-2.05	-0.0012	PASS		
			20	-4.51	-0.00264	PASS		
			30	-3.81	-0.00223	PASS		
			40	-4.72	-0.00276	PASS		
			50	-6.61	-0.00386	PASS		
			MCH	VN	-30	0.77	0.00044	PASS
	-20	3.96			0.00229	PASS		
	-10	2.5			0.00144	PASS		
	0	3.1			0.00179	PASS		
	10	2.93			0.00169	PASS		
	20	3.55			0.00205	PASS		
	30	4.08			0.00235	PASS		
	40	0.1	0.00006	PASS				
	LTE/TM2	1.4						



			HCH	VN	50	4.72	0.00272	PASS		
					-30	-2.07	-0.00118	PASS		
					-20	-5.82	-0.00332	PASS		
					-10	-5.32	-0.00303	PASS		
					0	-0.72	-0.00041	PASS		
					10	-0.54	-0.00031	PASS		
					20	-1.73	-0.00099	PASS		
					30	0.2	0.00011	PASS		
					40	-4.45	-0.00254	PASS		
					50	-4.53	-0.00258	PASS		
		3	LCH	VN	-30	-1.09	-0.00064	PASS		
					-20	-0.09	-0.00005	PASS		
					-10	-2.45	-0.00143	PASS		
					0	-6.11	-0.00357	PASS		
					10	-4.35	-0.00254	PASS		
					20	-2.9	-0.00169	PASS		
					30	-1.54	-0.0009	PASS		
					40	-4.25	-0.00248	PASS		
					50	-3.38	-0.00197	PASS		
					MCH	VN	-30	9.38	0.00541	PASS
							-20	7.45	0.0043	PASS
							-10	11.53	0.00666	PASS
							0	-2.82	-0.00163	PASS
							10	4.19	0.00242	PASS
							20	6.45	0.00372	PASS
							30	8.3	0.00479	PASS
							40	4.79	0.00276	PASS
							50	7.31	0.00422	PASS
		HCH	VN	-30	-2.5	-0.00143	PASS			
				-20	-7.84	-0.00447	PASS			
				-10	-10.26	-0.00585	PASS			
				0	-7.04	-0.00401	PASS			
				10	-6.64	-0.00379	PASS			
				20	-10.49	-0.00598	PASS			
				30	-7.14	-0.00407	PASS			
				40	-6.28	-0.00358	PASS			
				50	-3.2	-0.00182	PASS			
		5	LCH	VN	-30	-3.86	-0.00225	PASS		
					-20	-4.56	-0.00266	PASS		
					-10	-5.12	-0.00299	PASS		
0	-2.75				-0.00161	PASS				
10	-0.37				-0.00022	PASS				



					20	-3.26	-0.0019	PASS
					30	-12.75	-0.00745	PASS
					40	-3.55	-0.00207	PASS
					50	-3.35	-0.00196	PASS
			MCH	VN	-30	1.9	0.0011	PASS
			MCH	VN	-20	3.29	0.0019	PASS
			MCH	VN	-10	0.11	0.00006	PASS
			MCH	VN	0	8.71	0.00503	PASS
			MCH	VN	10	3.58	0.00207	PASS
			MCH	VN	20	10.49	0.00605	PASS
			MCH	VN	30	3.98	0.0023	PASS
			MCH	VN	40	8.08	0.00466	PASS
			MCH	VN	50	2.86	0.00165	PASS
			HCH	VN	-30	-0.03	-0.00002	PASS
			HCH	VN	-20	-2.12	-0.00121	PASS
			HCH	VN	-10	-1.1	-0.00063	PASS
			HCH	VN	0	-5.54	-0.00316	PASS
			HCH	VN	10	0.63	0.00036	PASS
			HCH	VN	20	-3.22	-0.00184	PASS
			HCH	VN	30	0.13	0.00007	PASS
			HCH	VN	40	-0.24	-0.00014	PASS
			HCH	VN	50	-0.74	-0.00042	PASS
			LCH	VN	-30	-1.52	-0.00089	PASS
			LCH	VN	-20	3.55	0.00207	PASS
			LCH	VN	-10	-0.5	-0.00029	PASS
			LCH	VN	0	2.76	0.00161	PASS
			LCH	VN	10	-0.33	-0.00019	PASS
			LCH	VN	20	-3.82	-0.00223	PASS
			LCH	VN	30	5.02	0.00293	PASS
			LCH	VN	40	0.57	0.00033	PASS
			LCH	VN	50	2.62	0.00153	PASS
			MCH	VN	-30	1.2	0.00069	PASS
			MCH	VN	-20	-1.29	-0.00074	PASS
			MCH	VN	-10	4.91	0.00283	PASS
			MCH	VN	0	1.59	0.00092	PASS
			MCH	VN	10	2.55	0.00147	PASS
			MCH	VN	20	1.65	0.00095	PASS
			MCH	VN	30	6.28	0.00362	PASS
			MCH	VN	40	4.68	0.0027	PASS
			MCH	VN	50	3.53	0.00204	PASS
			HCH	VN	-30	7.44	0.00425	PASS
			HCH	VN	-20	0.07	0.00004	PASS
		10						



					-10	2.69	0.00154	PASS	
					0	2.02	0.00115	PASS	
					10	2.7	0.00154	PASS	
					20	3.23	0.00185	PASS	
					30	1.16	0.00066	PASS	
					40	5.04	0.00288	PASS	
					50	3.89	0.00222	PASS	
		15	LCH	VN	-30	-10.09	-0.00587	PASS	
					-20	-10.1	-0.00588	PASS	
					-10	-2.16	-0.00126	PASS	
					0	-9.36	-0.00545	PASS	
					10	-5.75	-0.00335	PASS	
					20	-5.97	-0.00348	PASS	
					30	-2.86	-0.00167	PASS	
					40	-5.15	-0.003	PASS	
					50	-9.68	-0.00564	PASS	
				MCH	VN	-30	4.22	0.00244	PASS
			-20			-1.9	-0.0011	PASS	
			-10			-1.73	-0.001	PASS	
			0			1.46	0.00084	PASS	
			10			3.22	0.00186	PASS	
			20			3.99	0.0023	PASS	
			30			-0.54	-0.00031	PASS	
			40			-1.1	-0.00063	PASS	
			50			0.64	0.00037	PASS	
				HCH	VN	-30	-4.51	-0.00258	PASS
			-20			-4.15	-0.00237	PASS	
			-10			-1.17	-0.00067	PASS	
			0			-6.44	-0.00369	PASS	
			10			-1.49	-0.00085	PASS	
			20			-0.72	-0.00041	PASS	
		30	-6.75			-0.00386	PASS		
		40	-1.17			-0.00067	PASS		
		50	-0.13			-0.00007	PASS		
		20	LCH	VN	-30	-1.07	-0.00062	PASS	
					-20	-1.42	-0.00083	PASS	
					-10	-1.23	-0.00072	PASS	
					0	-1.14	-0.00066	PASS	
					10	-6.62	-0.00385	PASS	
					20	-1.3	-0.00076	PASS	
					30	-1.23	-0.00072	PASS	
					40	-4.61	-0.00268	PASS	



			MCH	VN	50	-2.36	-0.00137	PASS
					-30	2.99	0.00173	PASS
					-20	2.66	0.00154	PASS
					-10	-0.79	-0.00046	PASS
					0	-0.94	-0.00054	PASS
					10	1.53	0.00088	PASS
					20	-2.09	-0.00121	PASS
					30	0.9	0.00052	PASS
					40	2.69	0.00155	PASS
			50	2.98	0.00172	PASS		
			HCH	VN	-30	3.76	0.00215	PASS
					-20	5.71	0.00327	PASS
					-10	4.28	0.00245	PASS
					0	-0.6	-0.00034	PASS
					10	1.52	0.00087	PASS
					20	6.19	0.00355	PASS
					30	7.32	0.00419	PASS
					40	3.33	0.00191	PASS
50	3	0.00172			PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	VN	-30	-2.68	-0.00107	PASS
					-20	-4.89	-0.00195	PASS
					-10	-0.33	-0.00013	PASS
					0	4.12	0.00165	PASS
					10	-15.38	-0.00615	PASS
					20	-22.85	-0.00913	PASS
					30	1	0.0004	PASS
					40	-2.76	-0.0011	PASS
					50	-0.62	-0.00025	PASS
			MCH	VN	-30	-8.37	-0.0033	PASS
					-20	-10.96	-0.00432	PASS
					-10	-4.45	-0.00176	PASS
					0	-12.82	-0.00506	PASS
					10	-6.19	-0.00244	PASS
					20	2.76	0.00109	PASS
					30	9.64	0.0038	PASS
					40	-5.54	-0.00219	PASS
					50	-0.36	-0.00014	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	-30	1.49	0.00058	PASS
					-20	-0.74	-0.00029	PASS
					-10	0.21	0.00008	PASS
					0	0.49	0.00019	PASS
					10	4.25	0.00166	PASS
					20	-12.56	-0.00489	PASS
					30	-4.63	-0.0018	PASS
					40	0.37	0.00014	PASS
					50	2	0.00078	PASS
		10	LCH	VN	-30	-7.87	-0.00314	PASS
					-20	-3.12	-0.00125	PASS
					-10	-3.75	-0.0015	PASS
					0	-5.18	-0.00207	PASS
					10	-4.33	-0.00173	PASS
					20	3.82	0.00152	PASS
					30	-10.29	-0.00411	PASS
					40	-4.38	-0.00175	PASS
					50	-7.38	-0.00295	PASS
			MCH	VN	-30	-3.45	-0.00136	PASS
					-20	-4.42	-0.00174	PASS
					-10	0.57	0.00022	PASS
					0	4.61	0.00182	PASS
					10	-1.14	-0.00045	PASS
					20	-1.03	-0.00041	PASS
					30	-3.63	-0.00143	PASS
					40	-1.49	-0.00059	PASS
					50	4.89	0.00193	PASS
		HCH	VN	-30	6.34	0.00247	PASS	
				-20	3.76	0.00147	PASS	
				-10	-7.44	-0.0029	PASS	
				0	3.39	0.00132	PASS	
				10	5.98	0.00233	PASS	
				20	9.71	0.00379	PASS	
				30	0.41	0.00016	PASS	
				40	0.19	0.00007	PASS	
				50	5.02	0.00196	PASS	
		15	LCH	VN	-30	-2.85	-0.00114	PASS
					-20	1.07	0.00043	PASS
					-10	-7.02	-0.0028	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					0	-0.72	-0.00029	PASS	
					10	-5.78	-0.00231	PASS	
					20	2.56	0.00102	PASS	
					30	-5.46	-0.00218	PASS	
					40	-2.19	-0.00087	PASS	
					50	9.31	0.00371	PASS	
			MCH	VN	-30	4.35	0.00172	PASS	
					-20	-2.06	-0.00081	PASS	
					-10	-3.53	-0.00139	PASS	
					0	-2.4	-0.00095	PASS	
					10	7.27	0.00287	PASS	
					20	-3.68	-0.00145	PASS	
					30	0.83	0.00033	PASS	
					40	2.45	0.00097	PASS	
			HCH	VN	-30	0.04	0.00002	PASS	
					-20	-4.56	-0.00178	PASS	
					-10	1.53	0.0006	PASS	
					0	6.51	0.00254	PASS	
					10	3.65	0.00142	PASS	
					20	-0.13	-0.00005	PASS	
					30	1.26	0.00049	PASS	
					40	3.78	0.00148	PASS	
			20	LCH	VN	-30	-4.42	-0.00176	PASS
						-20	1.76	0.0007	PASS
						-10	-1.75	-0.0007	PASS
						0	0.67	0.00027	PASS
						10	-0.66	-0.00026	PASS
						20	5.18	0.00206	PASS
						30	1.29	0.00051	PASS
						40	-4.16	-0.00166	PASS
						50	-2.13	-0.00085	PASS
						MCH	VN	-30	-4.29
			-20	-0.67	-0.00026			PASS	
			-10	1.56	0.00062			PASS	
			0	-4.73	-0.00187			PASS	
			10	-3.79	-0.0015			PASS	
			20	-0.41	-0.00016			PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	-1.44	-0.00057	PASS		
					40	1.36	0.00054	PASS		
					50	5.48	0.00216	PASS		
					HCH	VN	-30	-6.22	-0.00243	PASS
							-20	6.98	0.00273	PASS
							-10	3.06	0.0012	PASS
			0	-0.37			-0.00014	PASS		
			10	-0.4			-0.00016	PASS		
			20	-1.2			-0.00047	PASS		
			30	0.11			0.00004	PASS		
			40	2.22			0.00087	PASS		
			50	2.22			0.00087	PASS		
			LCH	VN			-30	-2.16	-0.00086	PASS
					-20	-0.17	-0.00007	PASS		
					-10	-5.66	-0.00226	PASS		
					0	1.3	0.00052	PASS		
					10	-13.95	-0.00557	PASS		
					20	-5.41	-0.00216	PASS		
					30	-1.27	-0.00051	PASS		
					40	-8.48	-0.00339	PASS		
	50	3.46			0.00138	PASS				
	MCH	VN			-30	-2.03	-0.0008	PASS		
			-20	1.63	0.00064	PASS				
			-10	-3.79	-0.0015	PASS				
			0	-1.4	-0.00055	PASS				
			10	-9.6	-0.00379	PASS				
			20	1.16	0.00046	PASS				
			30	-8.44	-0.00333	PASS				
			40	3.48	0.00137	PASS				
			50	4.95	0.00195	PASS				
			HCH	VN	-30	1.6	0.00062	PASS		
	-20	-1.93			-0.00075	PASS				
	-10	-0.86			-0.00033	PASS				
	0	1.76			0.00069	PASS				
	10	-0.01			0	PASS				
	20	1			0.00039	PASS				
	30	2.17			0.00085	PASS				
	40	-4.39			-0.00171	PASS				
	50	1.19			0.00046	PASS				
	LTE/TM2	5								



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	LCH	VN	-30	0.09	0.00004	PASS
					-20	5.02	0.002	PASS
					-10	-10.96	-0.00438	PASS
					0	-0.54	-0.00022	PASS
					10	6.75	0.00269	PASS
					20	-3.02	-0.00121	PASS
					30	-2.6	-0.00104	PASS
					40	1.6	0.00064	PASS
					50	-1.9	-0.00076	PASS
			MCH	VN	-30	-3.53	-0.00139	PASS
					-20	2.03	0.0008	PASS
					-10	-0.66	-0.00026	PASS
					0	3.56	0.0014	PASS
					10	-2.99	-0.00118	PASS
					20	10.76	0.00424	PASS
					30	-5.87	-0.00232	PASS
					40	2.1	0.00083	PASS
					50	0.63	0.00025	PASS
			HCH	VN	-30	-0.97	-0.00038	PASS
					-20	5.87	0.00229	PASS
					-10	-6.22	-0.00242	PASS
					0	-0.5	-0.00019	PASS
					10	7.44	0.0029	PASS
					20	5.68	0.00221	PASS
		30			-6.79	-0.00265	PASS	
		40			1.73	0.00067	PASS	
		50			-5.99	-0.00234	PASS	
		15	LCH	VN	-30	-1.33	-0.00053	PASS
					-20	0.7	0.00028	PASS
					-10	-10.47	-0.00418	PASS
					0	1.9	0.00076	PASS
					10	5.45	0.00217	PASS
					20	1.33	0.00053	PASS
					30	0.1	0.00004	PASS
					40	-3.81	-0.00152	PASS
					50	-0.9	-0.00036	PASS
			MCH	VN	-30	-1.6	-0.00063	PASS
					-20	-2.57	-0.00101	PASS
					-10	3.02	0.00119	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict								
					0	-3.68	-0.00145	PASS								
					10	0.41	0.00016	PASS								
					20	-2.95	-0.00116	PASS								
					30	-4.25	-0.00168	PASS								
					40	-0.39	-0.00015	PASS								
					50	4.06	0.0016	PASS								
			HCH	VN				-30	-4.89	-0.00191	PASS					
								-20	1.03	0.0004	PASS					
								-10	6.15	0.0024	PASS					
								0	-4.86	-0.0019	PASS					
								10	5.14	0.00201	PASS					
								20	2.98	0.00116	PASS					
								30	0.69	0.00027	PASS					
								40	2.78	0.00108	PASS					
								50	-3.65	-0.00142	PASS					
								20			LCH	VN	-30	5.45	0.00217	PASS
													-20	-4.99	-0.00199	PASS
													-10	6.47	0.00258	PASS
		0	5.76	0.00229	PASS											
		10	2.1	0.00084	PASS											
		20	8.61	0.00343	PASS											
		30	-2.57	-0.00102	PASS											
		40	-9.64	-0.00384	PASS											
		50	-5.11	-0.00204	PASS											
		MCH	VN				-30				3.78	0.00149	PASS			
							-20				-1.99	-0.00079	PASS			
							-10				-16.51	-0.00651	PASS			
							0				-10.07	-0.00397	PASS			
							10				-19.17	-0.00756	PASS			
							20				-13.73	-0.00542	PASS			
							30				-21.27	-0.00839	PASS			
							40				-9.78	-0.00386	PASS			
							50				-13.2	-0.00521	PASS			
		HCH	VN				-30	3.13	0.00122	PASS						
							-20	-1.02	-0.0004	PASS						
							-10	0.46	0.00018	PASS						
							0	4.99	0.00195	PASS						
							10	2.45	0.00096	PASS						
							20	1.3	0.00051	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
BAND38	LTE/TM1	5	LCH	VN	30	2.76	0.00108	PASS		
					40	8.47	0.00331	PASS		
					50	0.57	0.00022	PASS		
		BAND38	LTE/TM1	5	LCH	VN	-30	12.87	0.005	PASS
							-20	11.37	0.00442	PASS
							-10	16.48	0.00641	PASS
							0	18.07	0.00702	PASS
							10	14.49	0.00563	PASS
							20	16.81	0.00653	PASS
							30	13.72	0.00533	PASS
							40	23.57	0.00916	PASS
							50	15.95	0.0062	PASS
					MCH	VN	-30	13.76	0.0053	PASS
							-20	16.91	0.00652	PASS
							-10	13.23	0.0051	PASS
							0	14.15	0.00545	PASS
							10	23.02	0.00887	PASS
							20	18.14	0.00699	PASS
							30	11.22	0.00432	PASS
							40	12.76	0.00492	PASS
							50	19.07	0.00735	PASS
					HCH	VN	-30	9.41	0.0036	PASS
							-20	15.91	0.00608	PASS
							-10	20.01	0.00764	PASS
							0	13.29	0.00508	PASS
							10	15.32	0.00585	PASS
							20	12.06	0.00461	PASS
							30	12.56	0.0048	PASS
							40	13.8	0.00527	PASS
							50	10.97	0.00419	PASS
10	LCH				VN	-30	8.88	0.00345	PASS	
						-20	16.48	0.0064	PASS	
						-10	7.77	0.00302	PASS	
		0	19.61	0.00762		PASS				
		10	9.81	0.00381		PASS				
		20	10.11	0.00393		PASS				
		30	14.22	0.00552		PASS				
		40	17.78	0.0069		PASS				
		50	7.2	0.0028		PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	-30	13.42	0.00517	PASS
					-20	11.2	0.00432	PASS
					-10	14.31	0.00551	PASS
					0	13.9	0.00536	PASS
					10	12.53	0.00483	PASS
					20	18.41	0.00709	PASS
					30	6.49	0.0025	PASS
					40	12.25	0.00472	PASS
					50	17.55	0.00676	PASS
			HCH	VN	-30	17.02	0.00651	PASS
					-20	11.86	0.00454	PASS
					-10	18.45	0.00706	PASS
					0	16.21	0.0062	PASS
					10	15.12	0.00578	PASS
					20	14.13	0.0054	PASS
					30	18.28	0.00699	PASS
					40	4.84	0.00185	PASS
					50	12.23	0.00468	PASS
		15	LCH	VN	-30	11.57	0.00449	PASS
					-20	7.82	0.00303	PASS
					-10	19.68	0.00764	PASS
					0	17.29	0.00671	PASS
					10	15.99	0.0062	PASS
					20	11.46	0.00445	PASS
					30	14.08	0.00546	PASS
					40	17.12	0.00664	PASS
					50	16.41	0.00637	PASS
			MCH	VN	-30	5.82	0.00224	PASS
					-20	17.14	0.00661	PASS
					-10	20.99	0.00809	PASS
					0	7.3	0.00281	PASS
					10	24.59	0.00948	PASS
					20	16.37	0.00631	PASS
					30	16.95	0.00653	PASS
					40	19.3	0.00744	PASS
					50	20.2	0.00778	PASS
HCH	VN	-30	14.06	0.00538	PASS			
		-20	11.96	0.00458	PASS			
		-10	12.67	0.00485	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					0	12.03	0.0046	PASS					
					10	10.34	0.00396	PASS					
					20	14.96	0.00573	PASS					
					30	13.39	0.00513	PASS					
					40	16.02	0.00613	PASS					
					50	14.32	0.00548	PASS					
					LCH	VN				-30	13.26	0.00514	PASS
										-20	12.36	0.00479	PASS
										-10	14.12	0.00547	PASS
										0	14.05	0.00545	PASS
		10	13.82	0.00536						PASS			
		20	16.75	0.00649						PASS			
		30	13.48	0.00522						PASS			
		40	11.79	0.00457						PASS			
		50	11.99	0.00465						PASS			
		MCH	VN	20								-30	16.55
					-20	22.97	0.00885	PASS					
					-10	15.12	0.00583	PASS					
					0	18.6	0.00717	PASS					
					10	15.99	0.00616	PASS					
	20				12.56	0.00484	PASS						
	30				20.23	0.0078	PASS						
	40				19.18	0.00739	PASS						
	50				17.05	0.00657	PASS						
	HCH				VN	20			-30			25.63	0.00982
		-20	15.91	0.0061					PASS				
		-10	12.53	0.0048					PASS				
		0	20.67	0.00792					PASS				
		10	24.32	0.00932					PASS				
		20	21	0.00805					PASS				
		30	20.46	0.00784					PASS				
		40	17.85	0.00684					PASS				
		50	13.82	0.0053					PASS				
		LTE/TM2	5	LCH					VN		-30	17.05	0.00663
	-20				10.87	0.00423	PASS						
	-10				15.08	0.00586	PASS						
	0				11.94	0.00464	PASS						
	10				16.91	0.00657	PASS						
	20				14.46	0.00562	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	20.1	0.00781	PASS
					40	12.85	0.005	PASS
					50	17.6	0.00684	PASS
			MCH	VN	-30	14.58	0.00562	PASS
					-20	11.09	0.00427	PASS
					-10	17.01	0.00655	PASS
					0	17.8	0.00686	PASS
					10	17.9	0.0069	PASS
					20	21.99	0.00847	PASS
					30	14.92	0.00575	PASS
					40	20.36	0.00785	PASS
					50	11.6	0.00447	PASS
			HCH	VN	-30	7.35	0.00281	PASS
					-20	14.89	0.00569	PASS
					-10	19.7	0.00753	PASS
					0	16.82	0.00643	PASS
					10	12.02	0.00459	PASS
					20	12.92	0.00494	PASS
		30			17.67	0.00675	PASS	
		40	14.96	0.00572	PASS			
		50	14.86	0.00568	PASS			
		10	LCH	VN	-30	5.49	0.00213	PASS
					-20	9.98	0.00388	PASS
					-10	13	0.00505	PASS
					0	19.66	0.00763	PASS
					10	9.36	0.00363	PASS
					20	22.62	0.00878	PASS
					30	15.72	0.0061	PASS
					40	18.18	0.00706	PASS
					50	21.37	0.0083	PASS
			MCH	VN	-30	11.04	0.00425	PASS
					-20	11.87	0.00457	PASS
					-10	16.92	0.00652	PASS
					0	11.97	0.00461	PASS
					10	12.17	0.00469	PASS
					20	8.1	0.00312	PASS
30	14.71				0.00567	PASS		
40	14.49				0.00558	PASS		
50	11.24				0.00433	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
			HCH	VN	-30	18.88	0.00722	PASS				
					-20	16.97	0.00649	PASS				
					-10	6.9	0.00264	PASS				
					0	11.09	0.00424	PASS				
					10	10.14	0.00388	PASS				
					20	13.02	0.00498	PASS				
					30	16.95	0.00648	PASS				
					40	17.51	0.0067	PASS				
					50	19.48	0.00745	PASS				
					LCH	VN	-30	15.51	0.00602	PASS		
							-20	9.53	0.0037	PASS		
							-10	11.46	0.00445	PASS		
							0	18.65	0.00724	PASS		
							10	17.81	0.00691	PASS		
							20	17.28	0.0067	PASS		
							30	22.65	0.00879	PASS		
							40	14.08	0.00546	PASS		
							50	21.2	0.00823	PASS		
							MCH	VN	-30	19.48	0.00751	PASS
									-20	15.16	0.00584	PASS
									-10	10.26	0.00395	PASS
									0	15.02	0.00579	PASS
									10	15.35	0.00592	PASS
									20	8.67	0.00334	PASS
									30	12.77	0.00492	PASS
									40	17.51	0.00675	PASS
									50	15.81	0.00609	PASS
					HCH	VN	-30	19.03	0.00728	PASS		
							-20	14.45	0.00553	PASS		
							-10	21.6	0.00827	PASS		
							0	13.72	0.00525	PASS		
							10	14.85	0.00568	PASS		
							20	25.62	0.00981	PASS		
							30	11.01	0.00421	PASS		
							40	15.19	0.00581	PASS		
							50	11.5	0.0044	PASS		
				20	LCH	VN	-30	12.95	0.00502	PASS		
							-20	8.94	0.00347	PASS		
							-10	13.23	0.00513	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					0	12.77	0.00495	PASS			
					10	19.66	0.00762	PASS			
					20	12.6	0.00488	PASS			
					30	19.67	0.00762	PASS			
					40	12.2	0.00473	PASS			
					50	19.14	0.00742	PASS			
			MCH	VN	-30	17.51	0.00675	PASS			
					-20	17.15	0.00661	PASS			
					-10	21.36	0.00823	PASS			
					0	13.38	0.00516	PASS			
					10	24.55	0.00946	PASS			
					20	24.4	0.0094	PASS			
					30	20.51	0.0079	PASS			
					40	18.01	0.00694	PASS			
			HCH	VN	50	16.81	0.00648	PASS			
					-30	18.24	0.00699	PASS			
					-20	17.22	0.0066	PASS			
					-10	20.83	0.00798	PASS			
					0	20.94	0.00802	PASS			
					10	13.78	0.00528	PASS			
					20	19.93	0.00764	PASS			
					30	23.9	0.00916	PASS			
			BAND41	LTE/TM1	5	LCH	VN	40	24.78	0.00949	PASS
								50	21.51	0.00824	PASS
								-30	11.63	0.00455	PASS
								-20	13.58	0.00531	PASS
								-10	15.26	0.00597	PASS
								0	13.18	0.00515	PASS
10	13.43	0.00525						PASS			
20	18.37	0.00718				PASS					
30	14.91	0.00583				PASS					
40	12.76	0.00499				PASS					
50	17.11	0.00669				PASS					
MCH	VN	-30				21.47	0.00824	PASS			
		-20				17.88	0.00686	PASS			
		-10				13.46	0.00517	PASS			
		0	14.05	0.00539	PASS						
		10	17.5	0.00672	PASS						
		20	22.17	0.00851	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	13.88	0.00533	PASS		
					40	17.5	0.00672	PASS		
					50	13.53	0.00519	PASS		
			HCH	VN	-30	18.73	0.00706	PASS		
					-20	11.3	0.00426	PASS		
					-10	22.9	0.00863	PASS		
					0	23.3	0.00878	PASS		
					10	15.59	0.00588	PASS		
					20	23.42	0.00883	PASS		
					30	15.92	0.006	PASS		
					40	14.58	0.0055	PASS		
					50	17.12	0.00645	PASS		
					LCH	VN	-30	16.88	0.00659	PASS
							-20	13.5	0.00527	PASS
							-10	18.97	0.00741	PASS
		0	13.42	0.00524			PASS			
		10	20.8	0.00813			PASS			
		20	18.21	0.00711			PASS			
		30	22.97	0.00897			PASS			
		40	15.54	0.00607			PASS			
		50	13.8	0.00539			PASS			
		MCH	VN	-30	21.37	0.0082	PASS			
				-20	10.66	0.00409	PASS			
				-10	14.15	0.00543	PASS			
				0	9.7	0.00372	PASS			
				10	9.1	0.00349	PASS			
				20	13.88	0.00533	PASS			
				30	18.08	0.00694	PASS			
				40	11.53	0.00443	PASS			
				50	10.94	0.0042	PASS			
		HCH	VN	-30	21.47	0.0081	PASS			
				-20	24.39	0.0092	PASS			
				-10	20.13	0.0076	PASS			
				0	16.41	0.00619	PASS			
				10	12.79	0.00483	PASS			
				20	13.3	0.00502	PASS			
				30	14.19	0.00535	PASS			
				40	9.48	0.00358	PASS			
		50	8.71	0.00329	PASS					