



6.2.1.1.3 Test Bandwidth = 15

6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0







6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0







6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0







6.2.1.1.4 Test Bandwidth = 20

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0



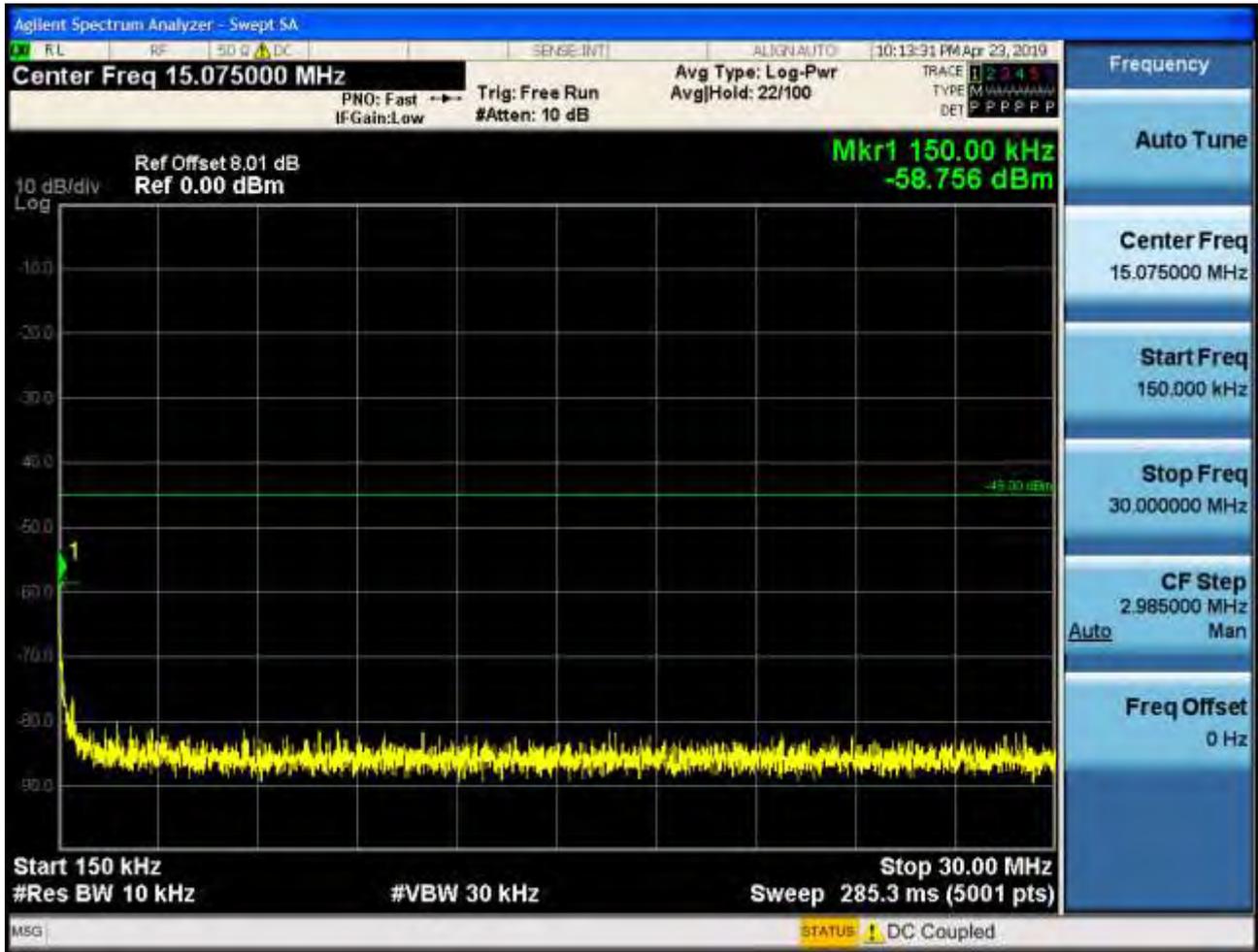




6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0





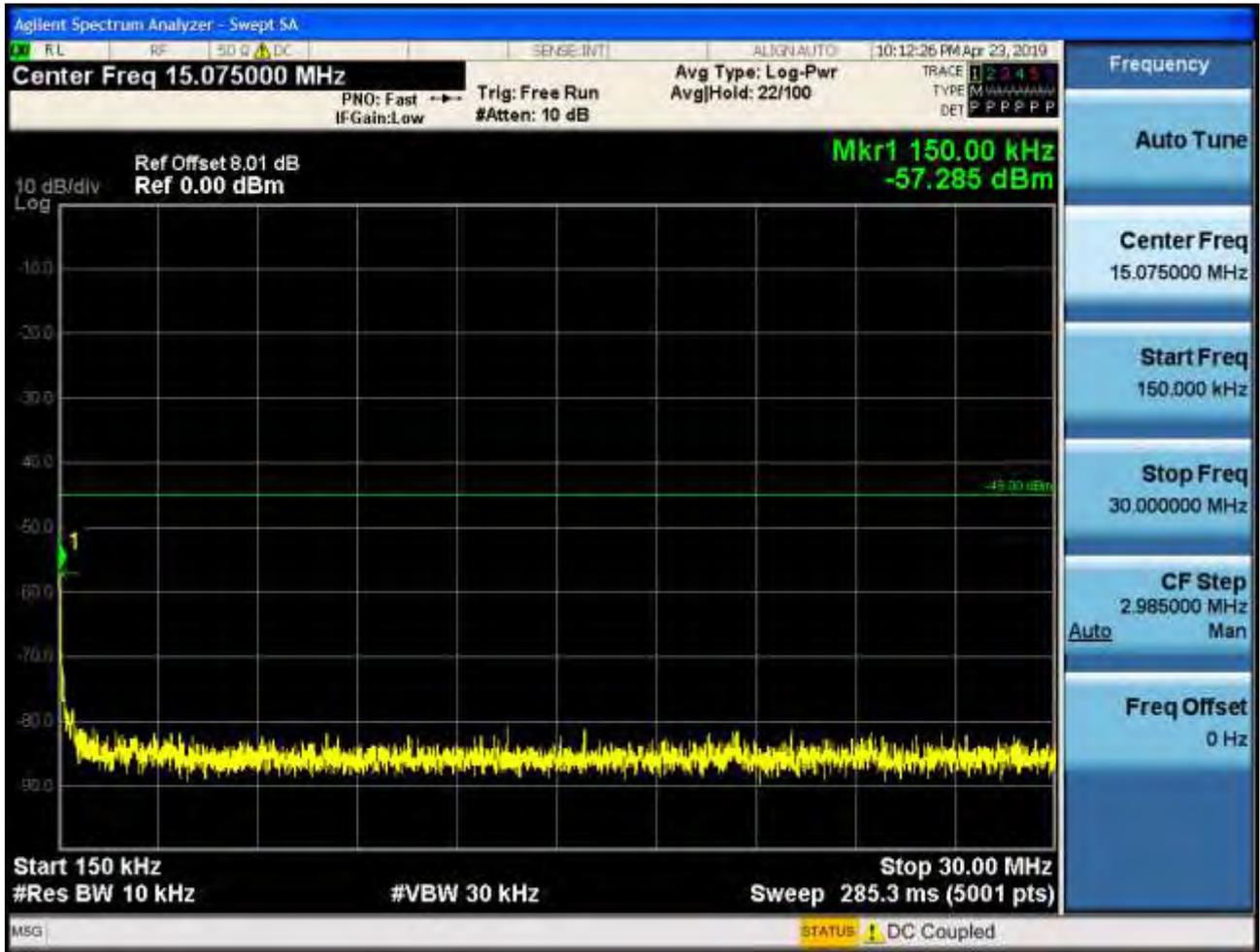




6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0









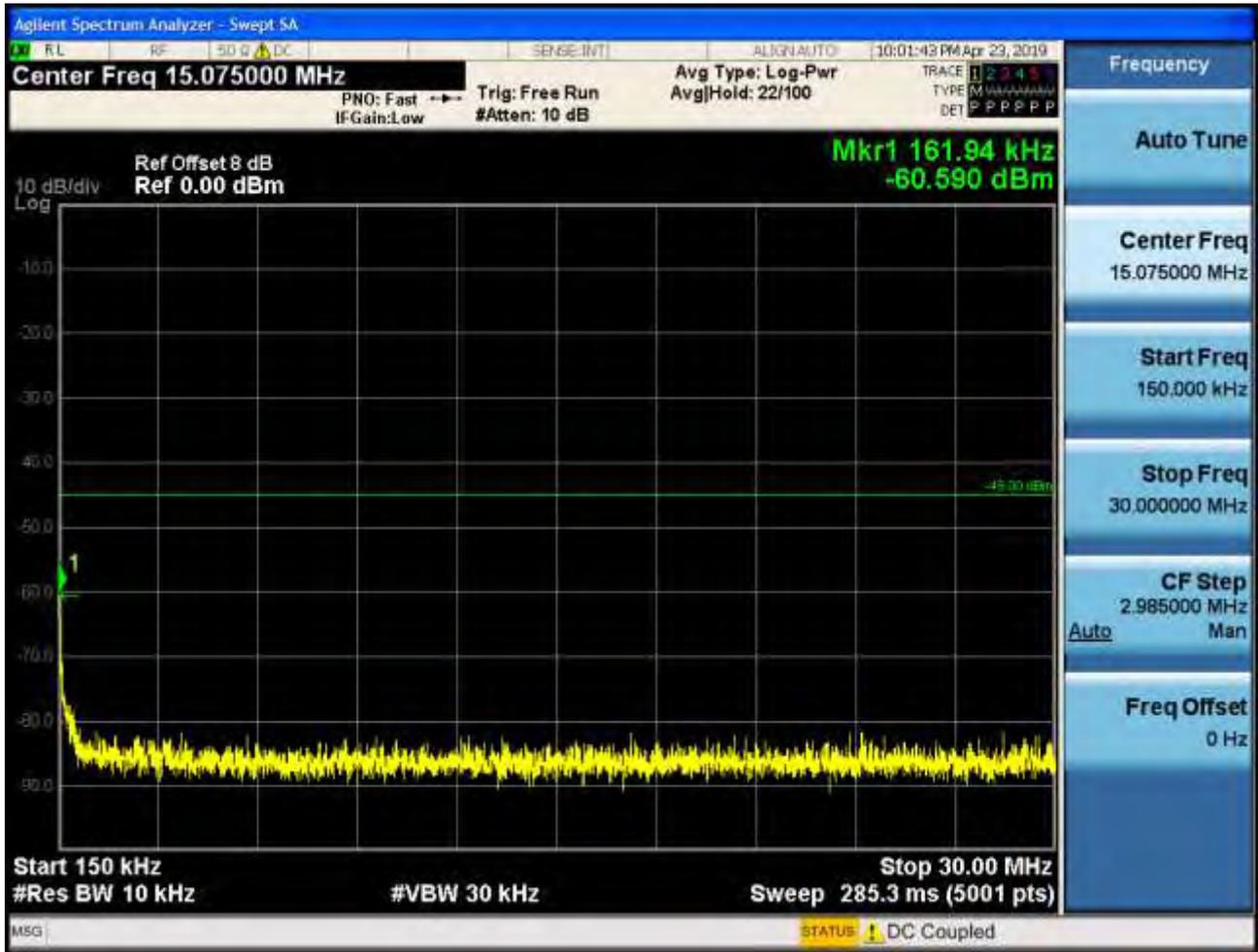
6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 5

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0





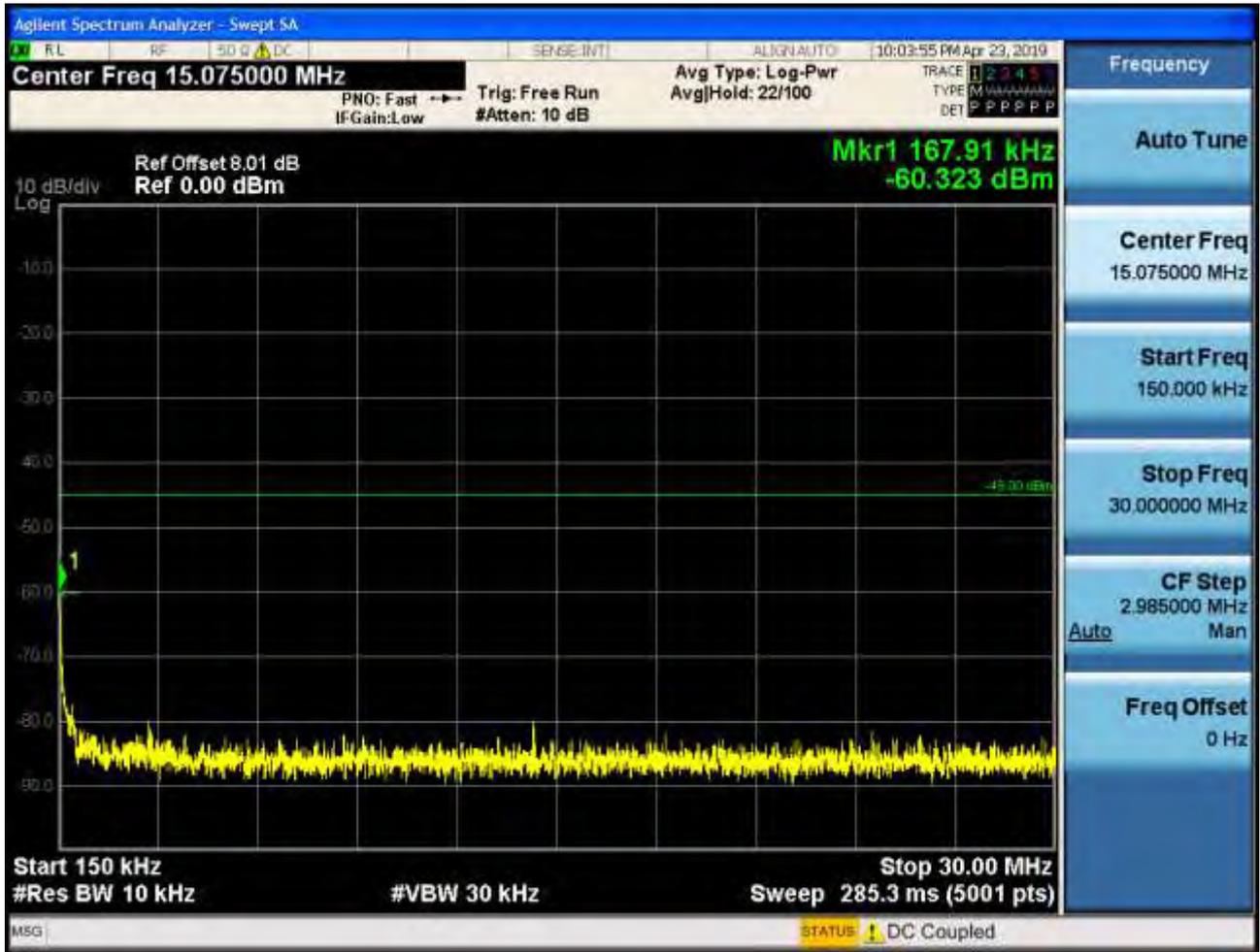




6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0









6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0





6.2.1.2.2 Test Bandwidth = 10

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0



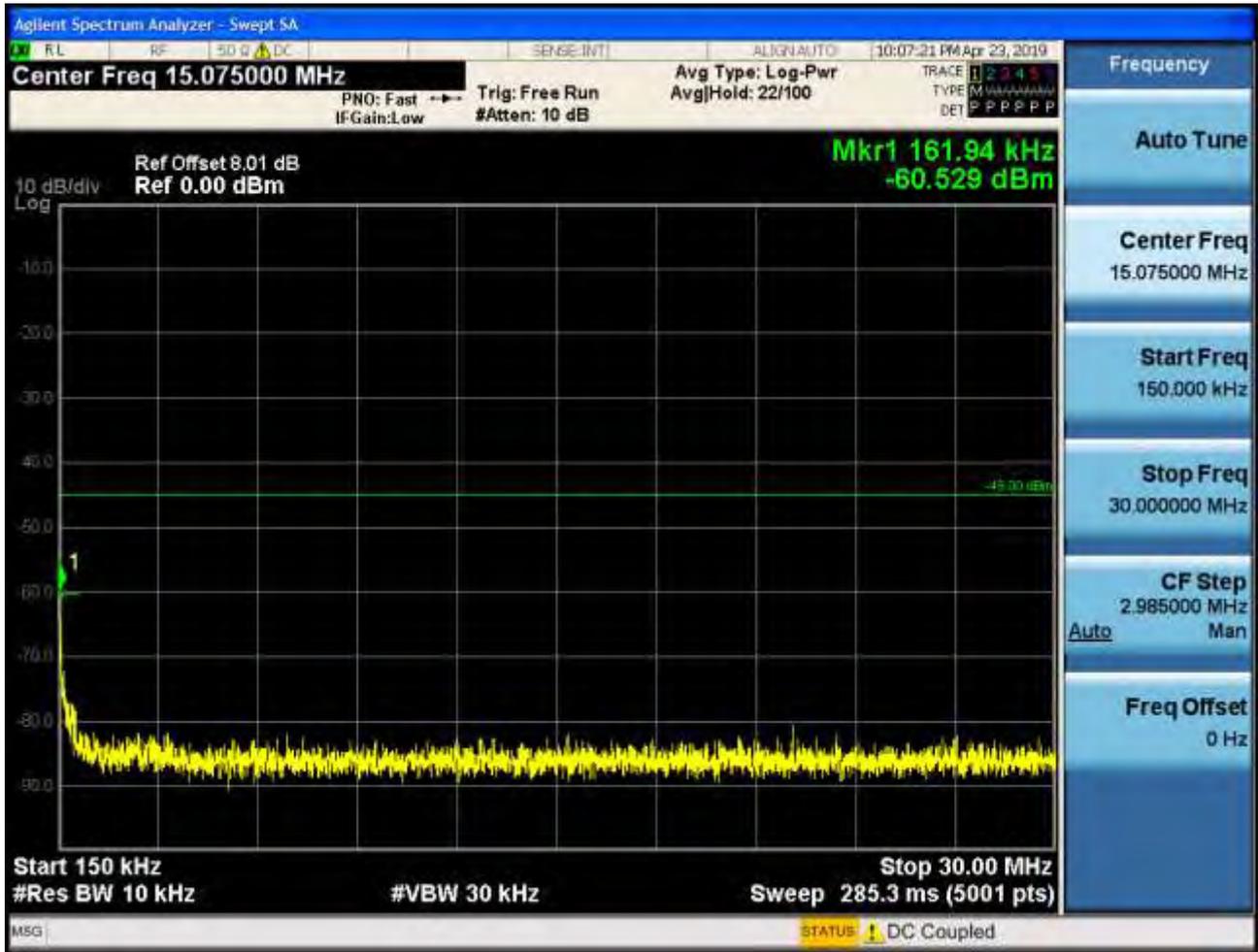




6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0



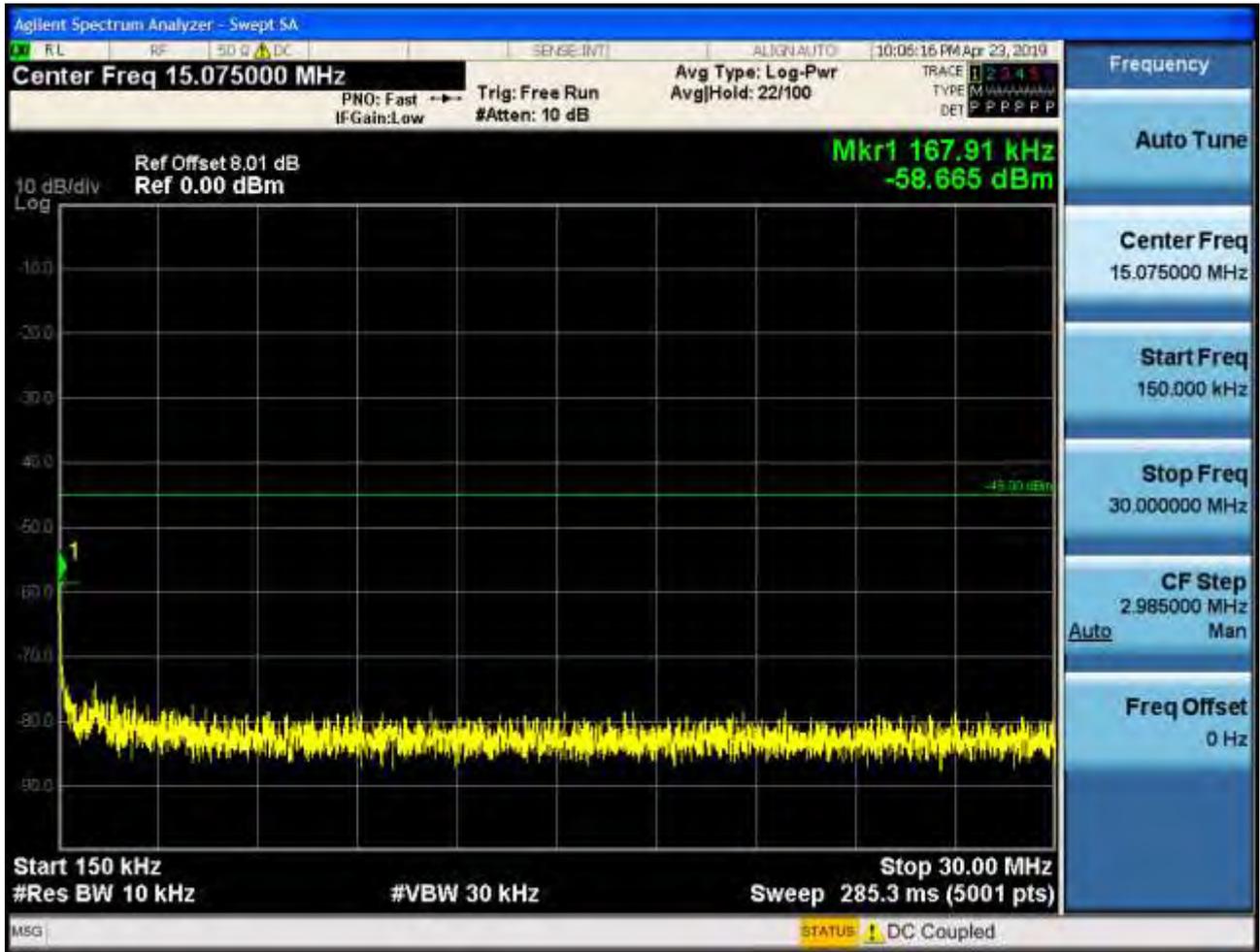




6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0







6.2.1.2.3 Test Bandwidth = 15

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0







6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0



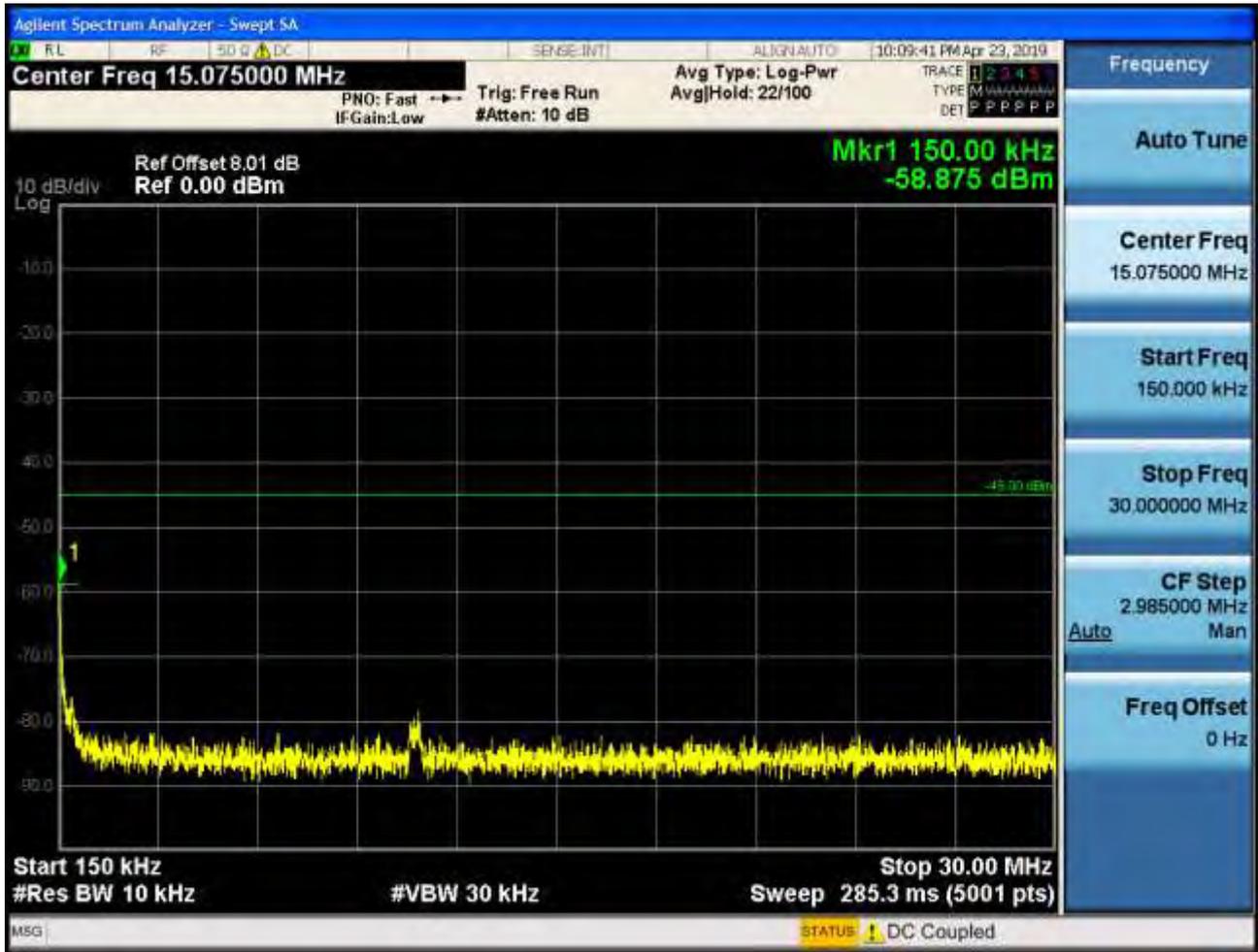




6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0





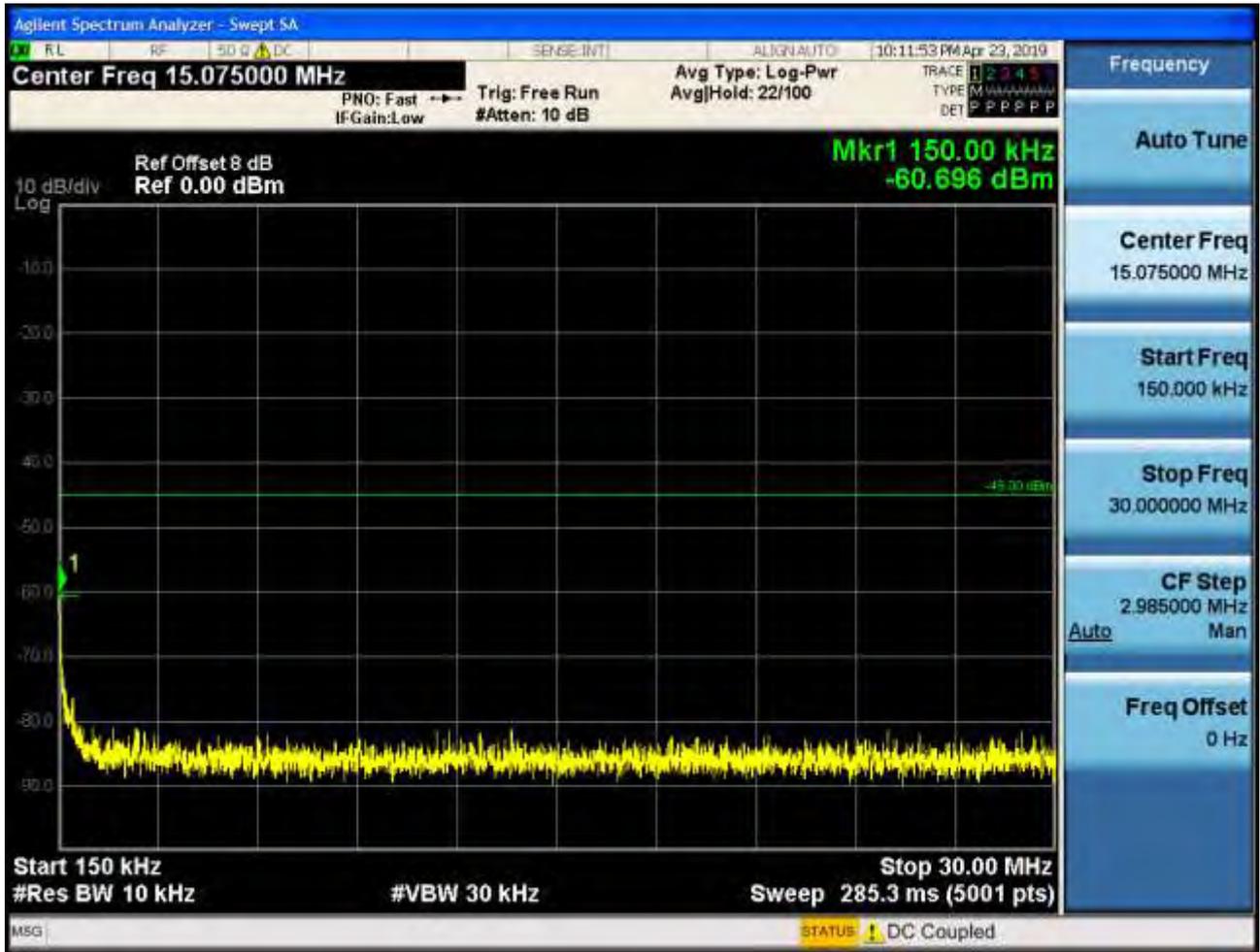


6.2.1.2.4 Test Bandwidth = 20

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0





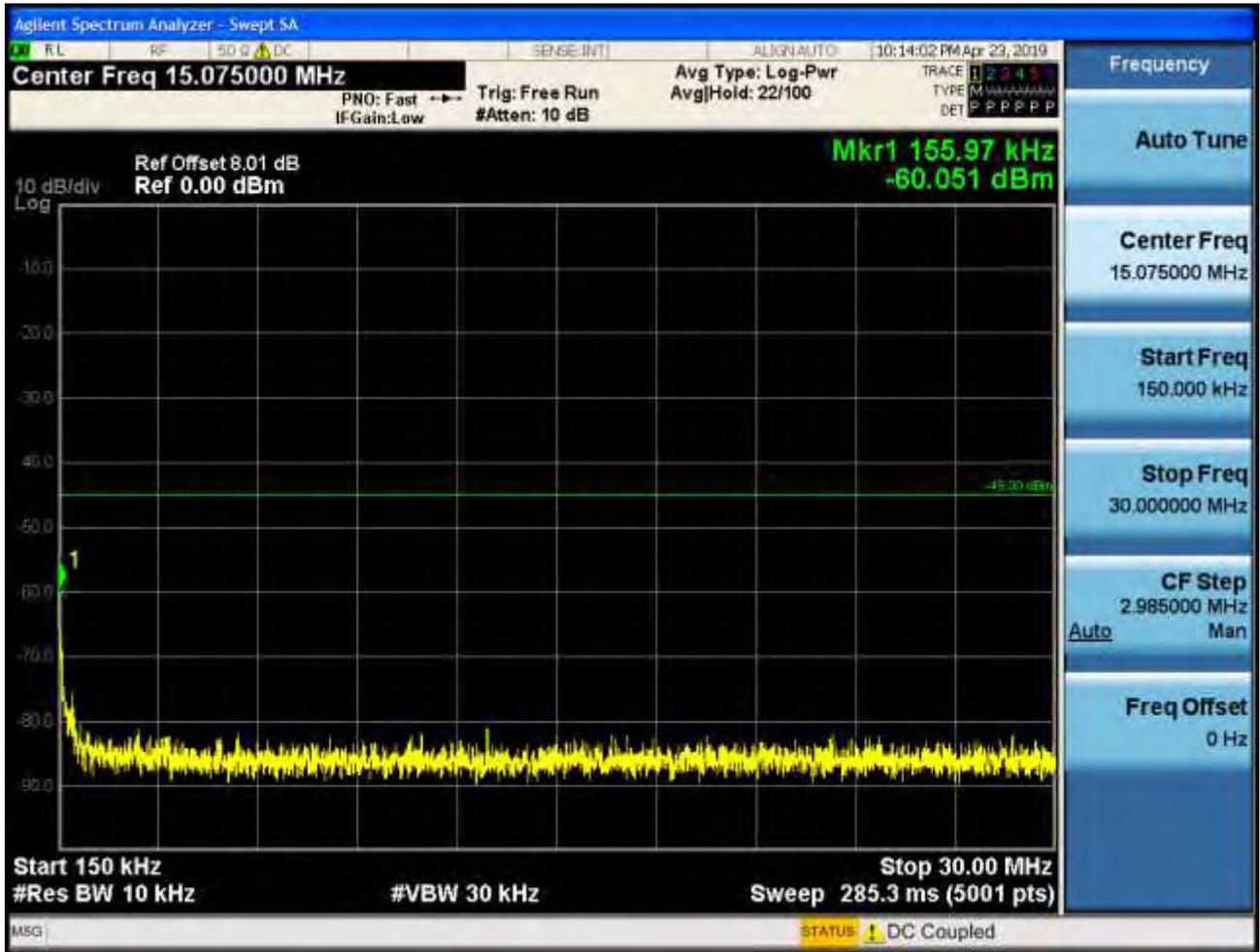




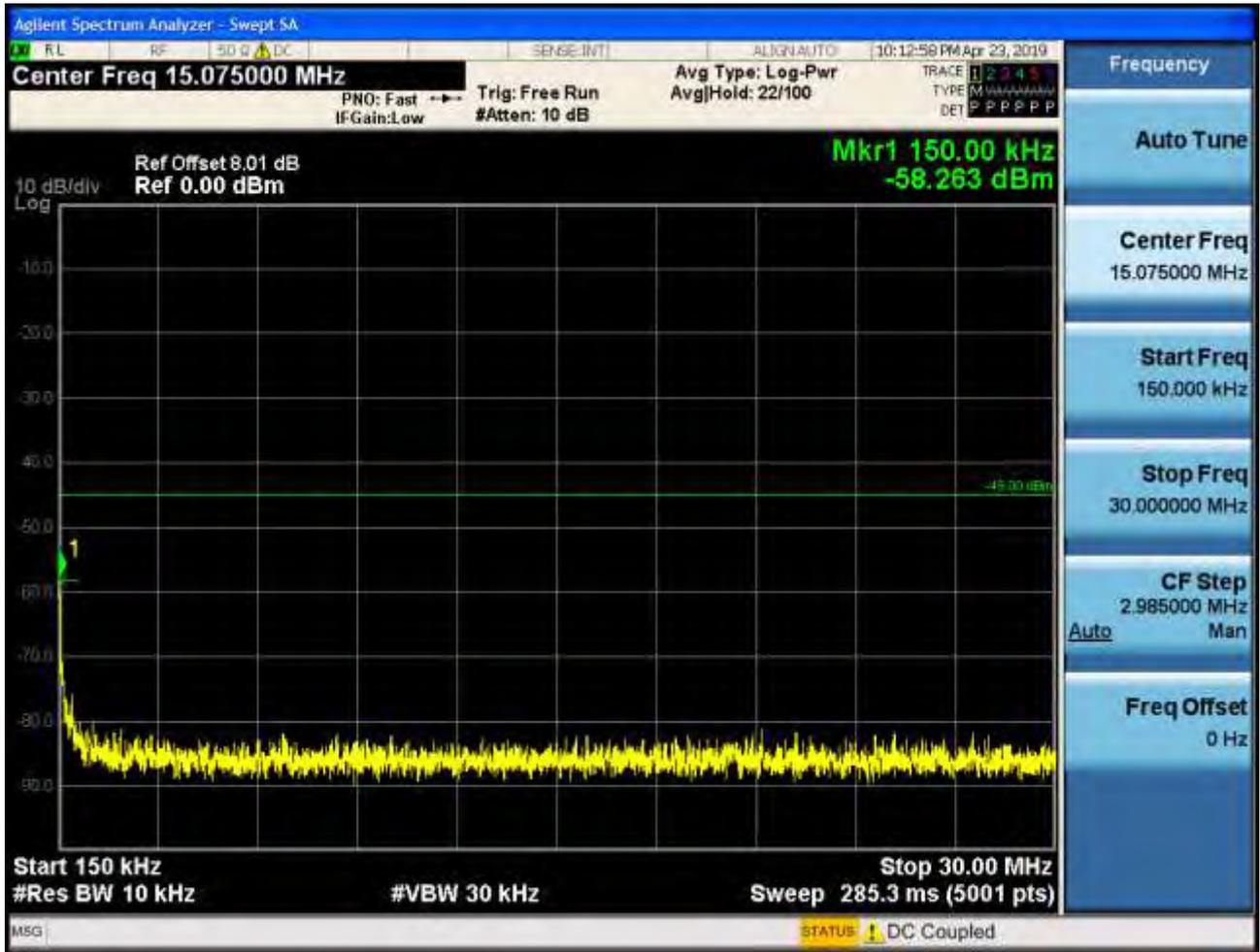
6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0













7Appendix_G: Field Strength of Spurious Radiation

Note:We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 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

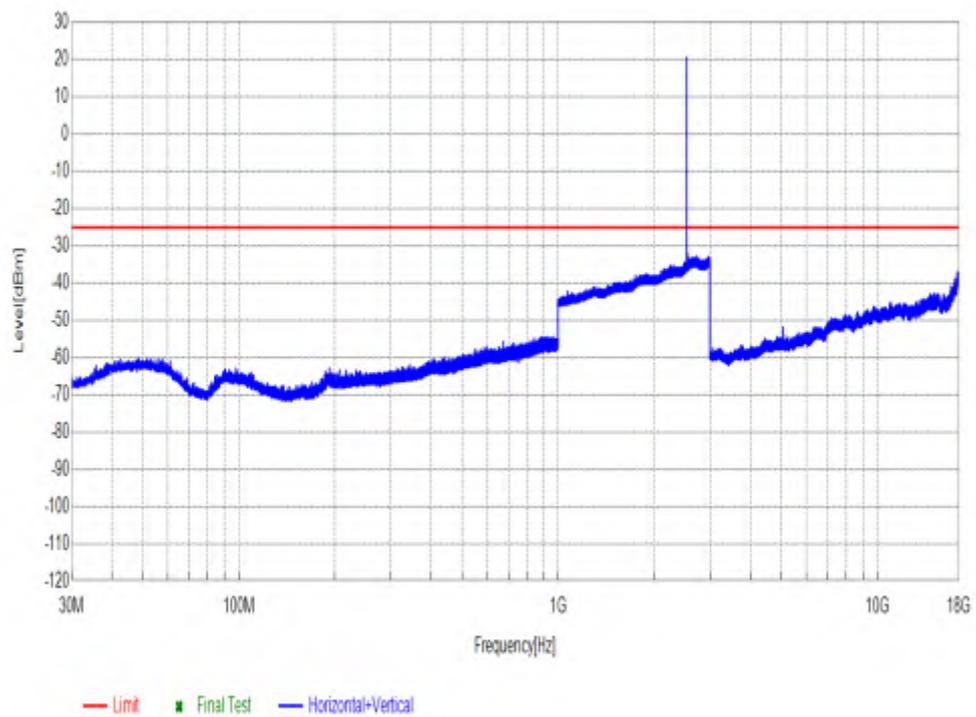
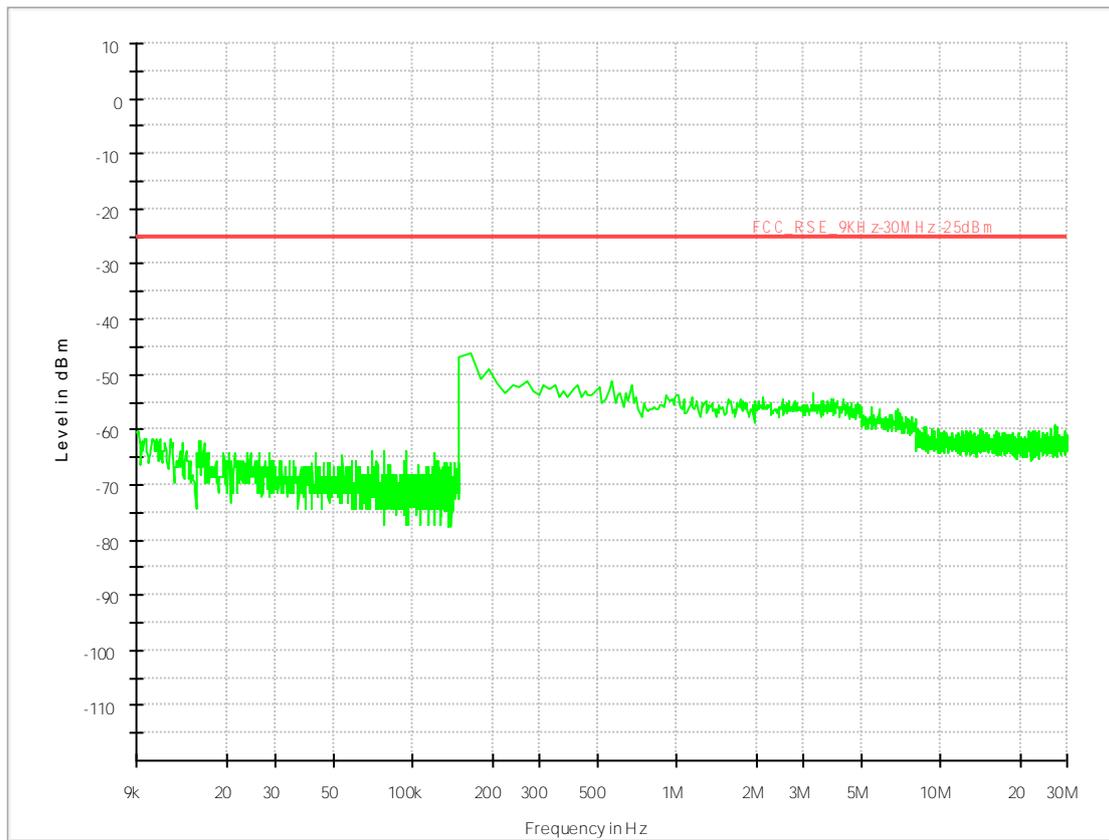
Part I - Test Plots

7.1 For LTE

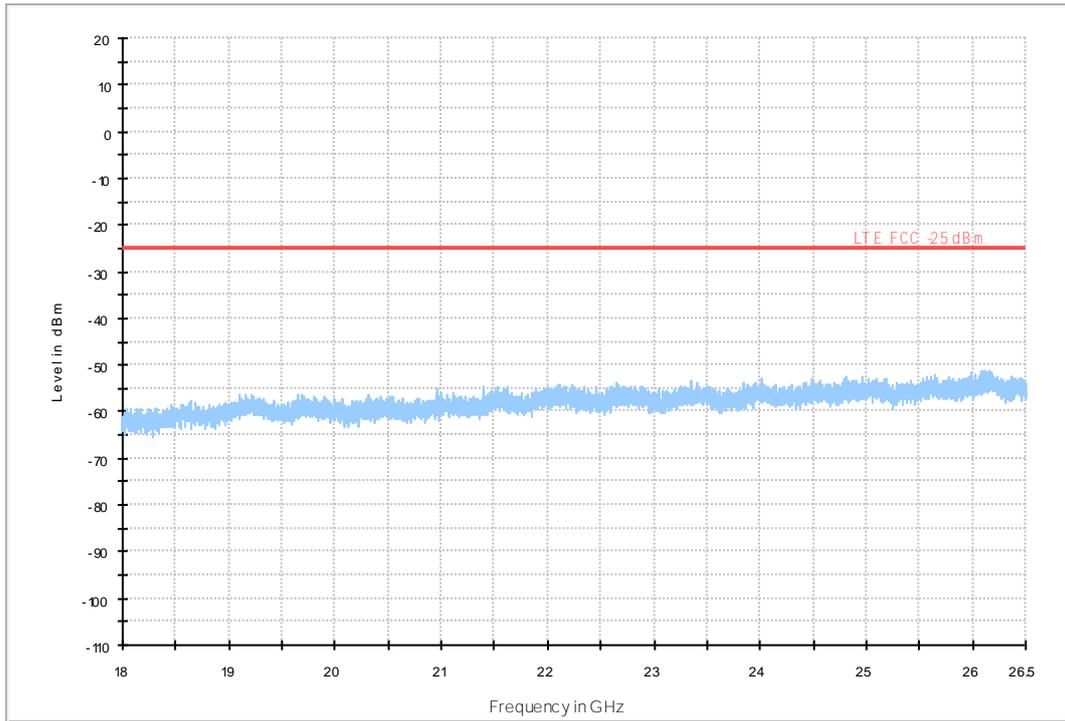
7.1.1 Test Band = Band7

7.1.1.1 Test Bandwidth = 5

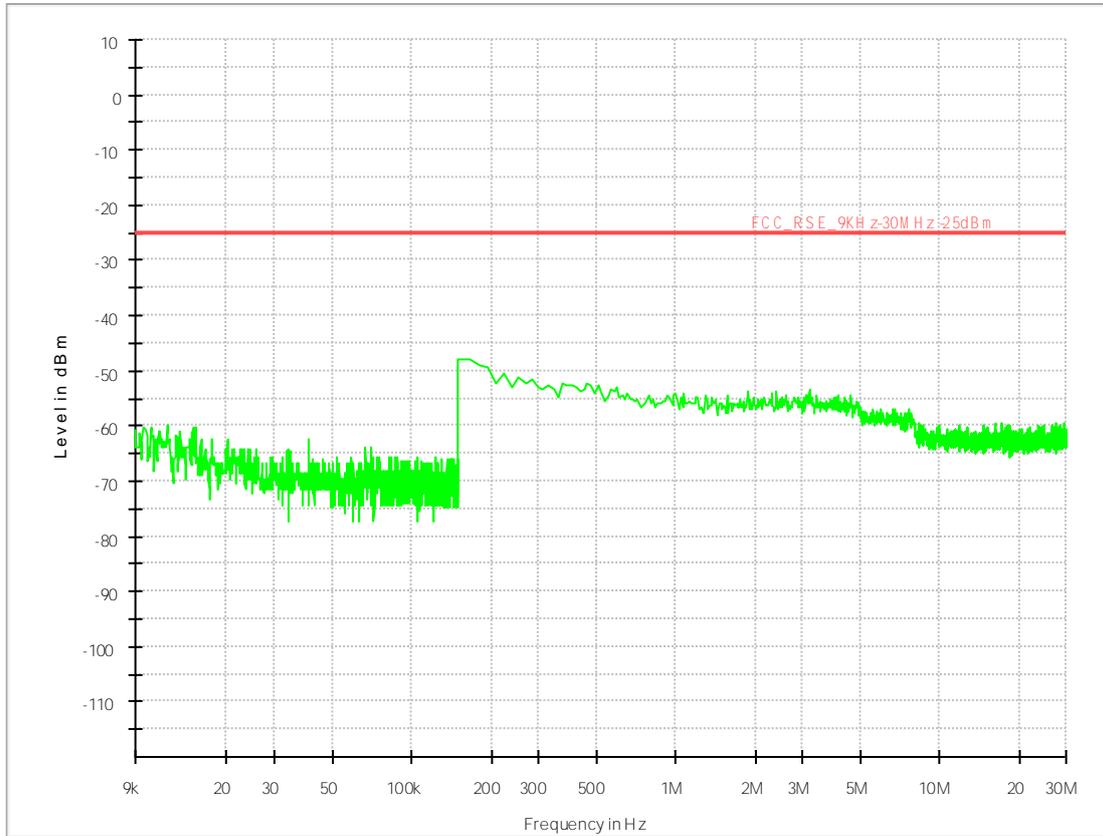
Band7/TM1_Ant1

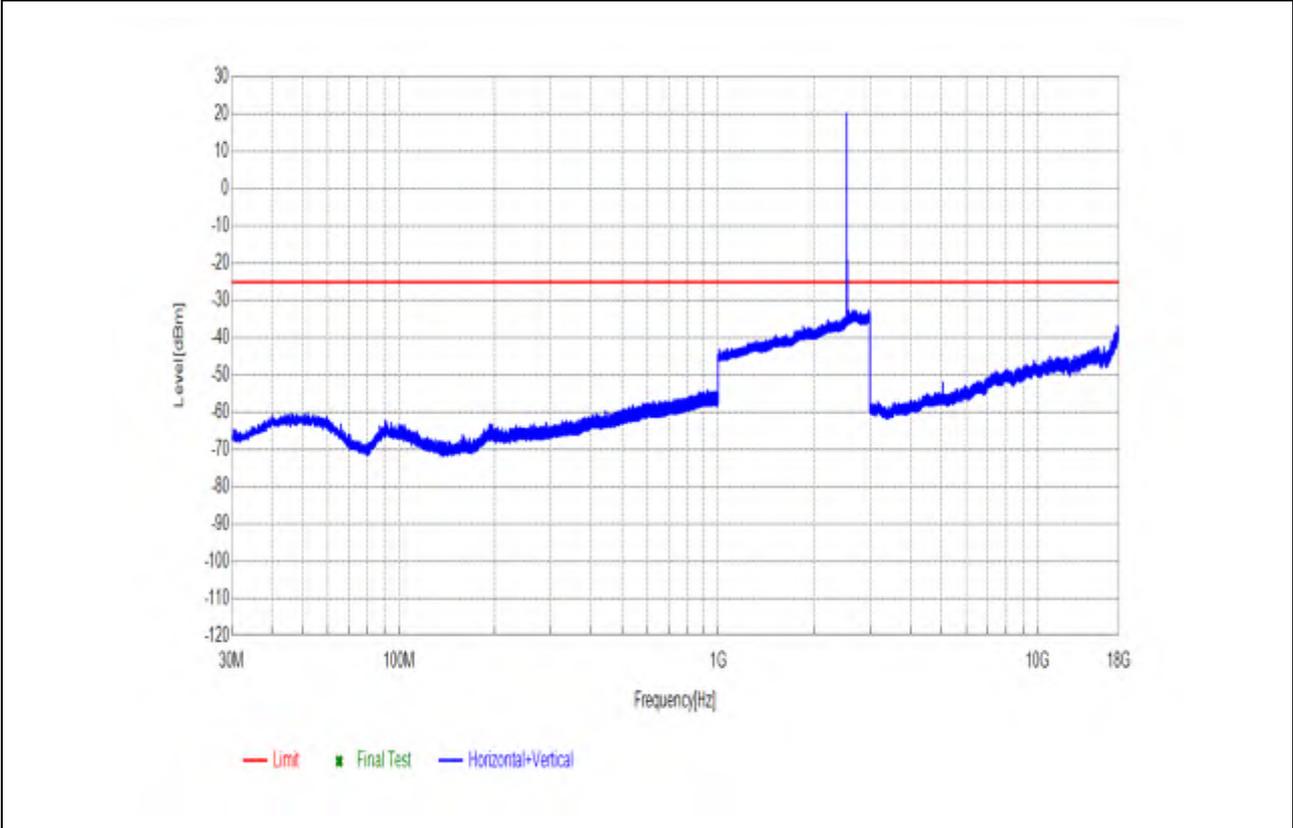


Copy of FCC18-265G

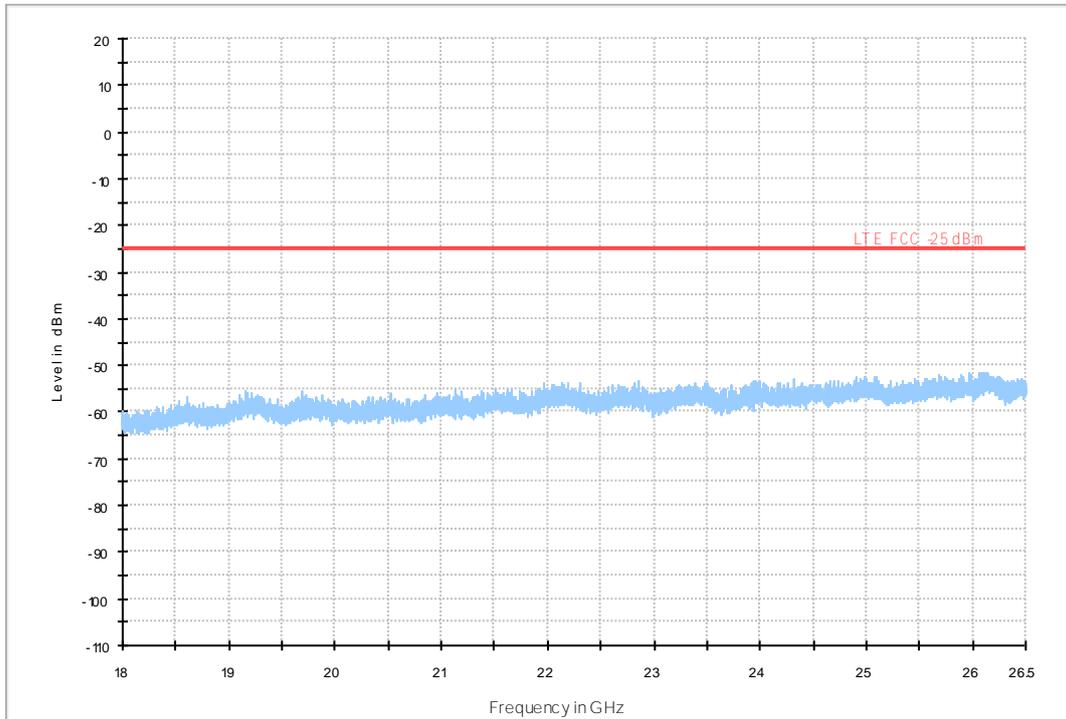


Band7/TM1_Ant2

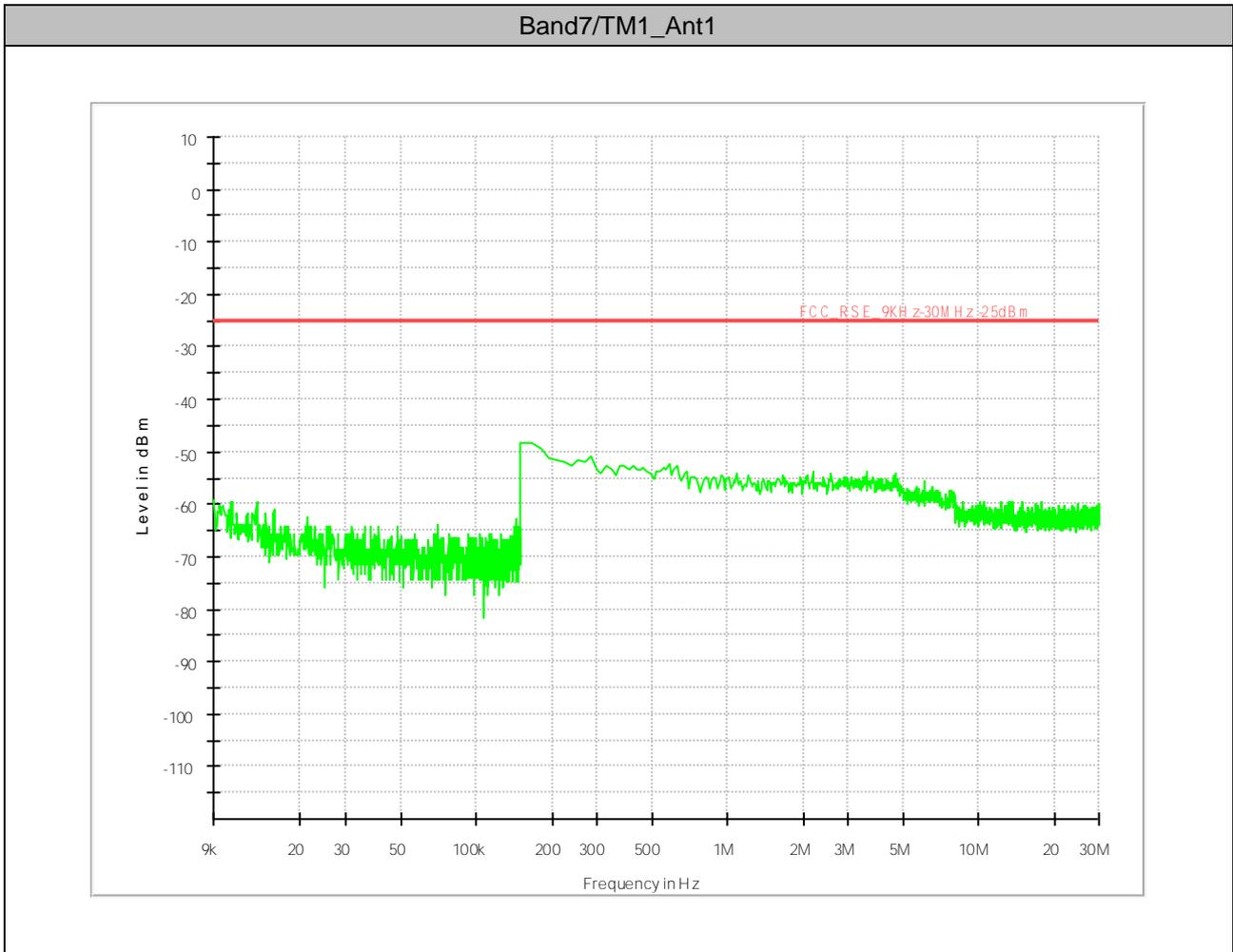


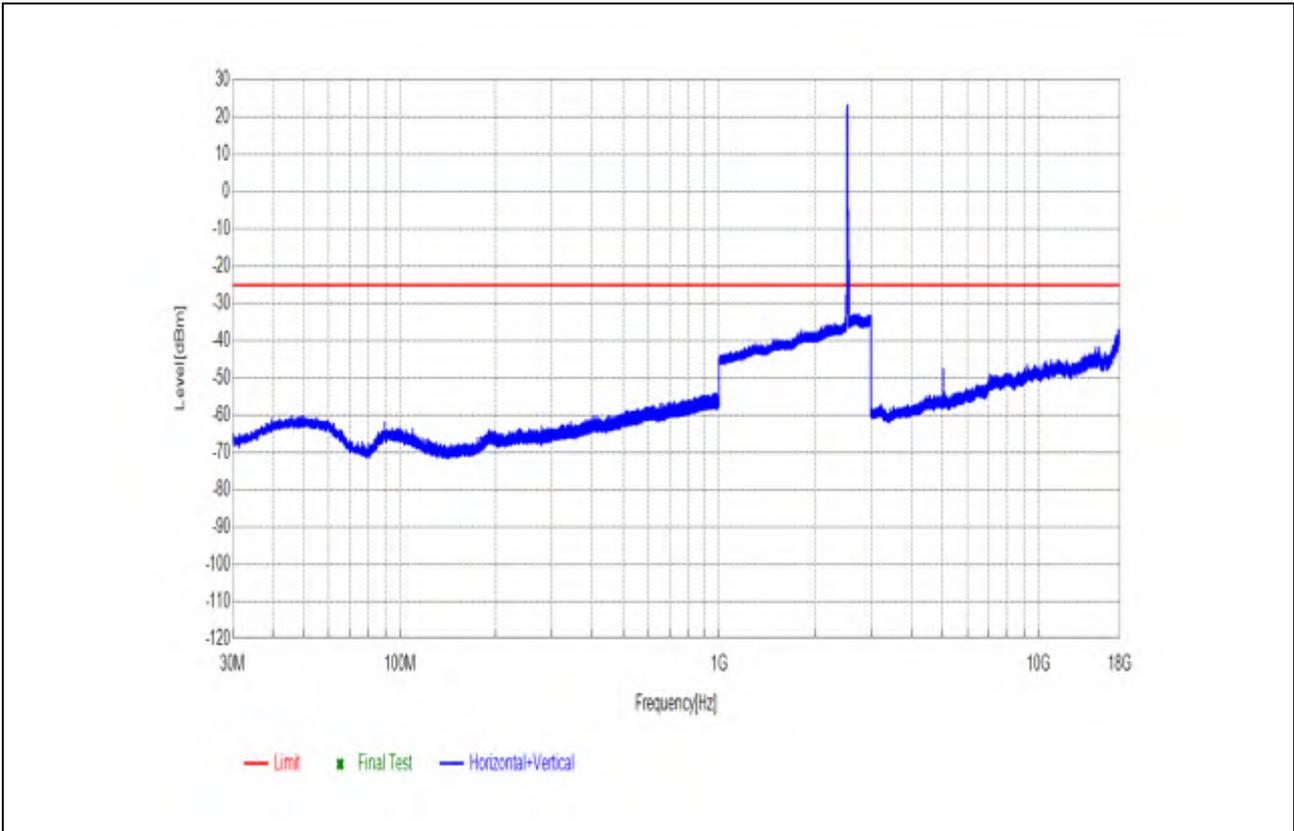


Copy of FCC 18-26.5G

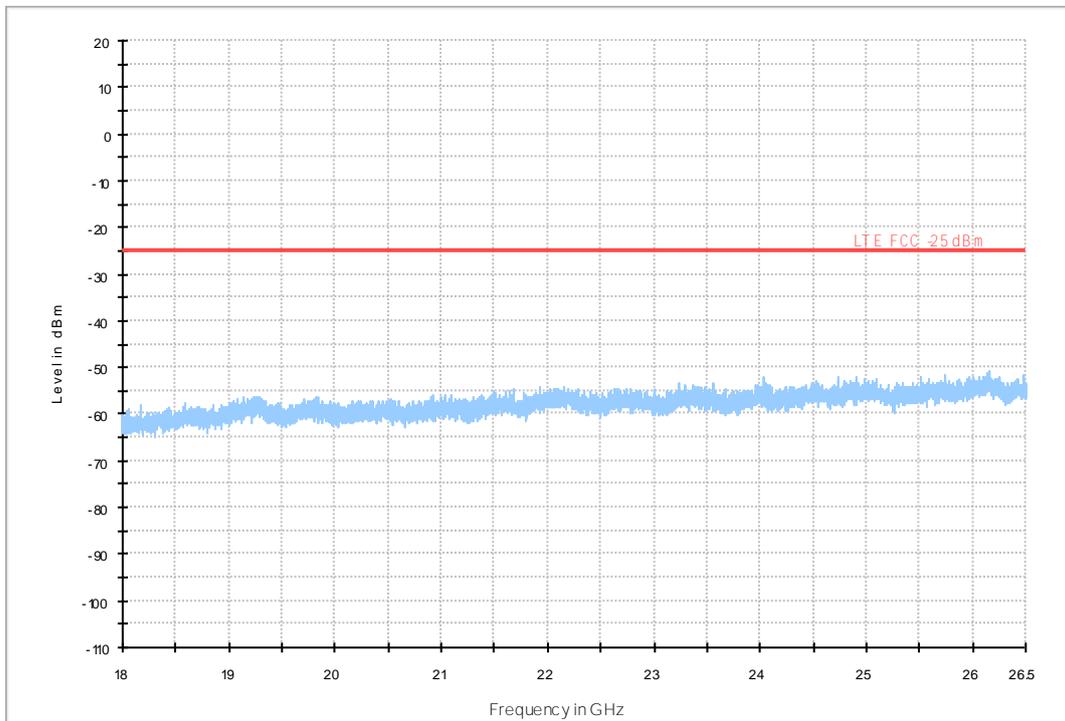


7.1.1.2 Test Bandwidth = 20

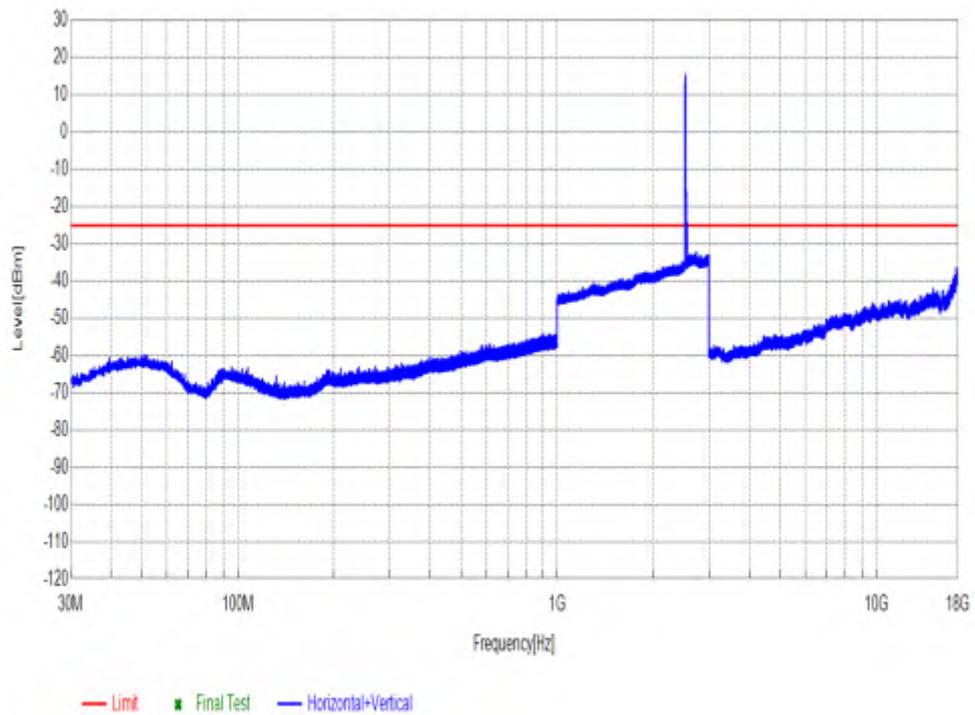
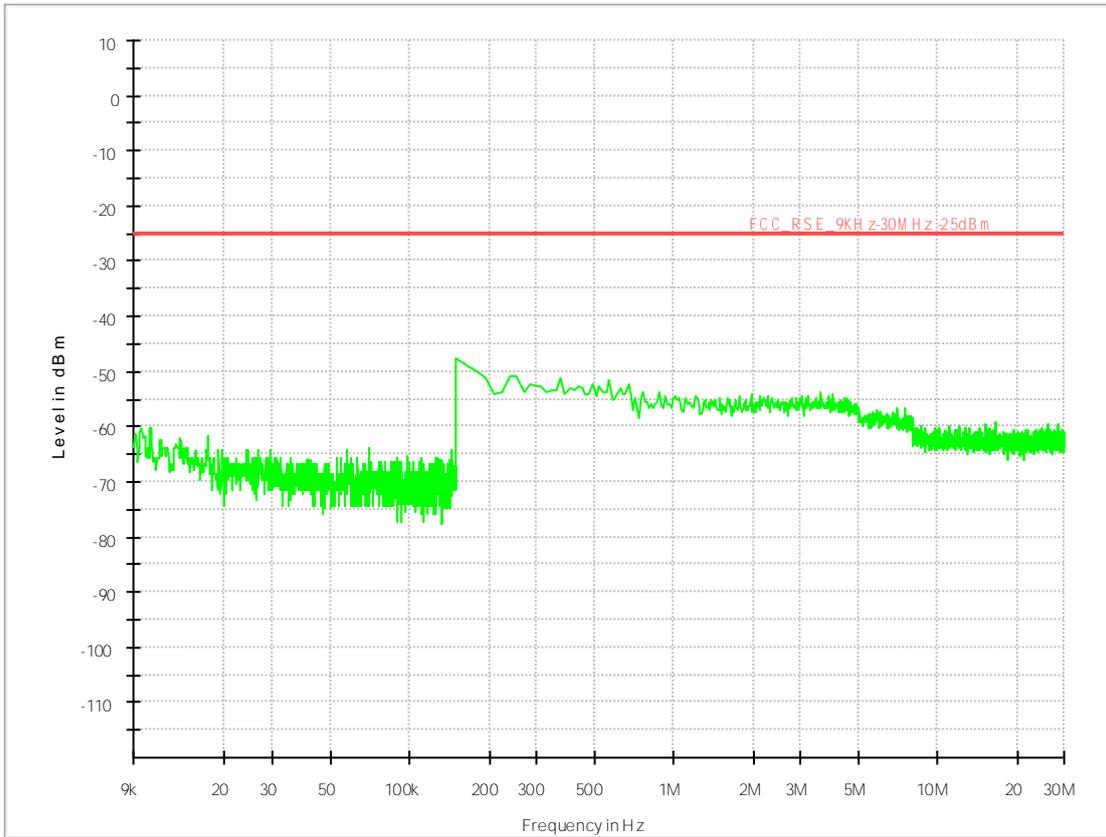


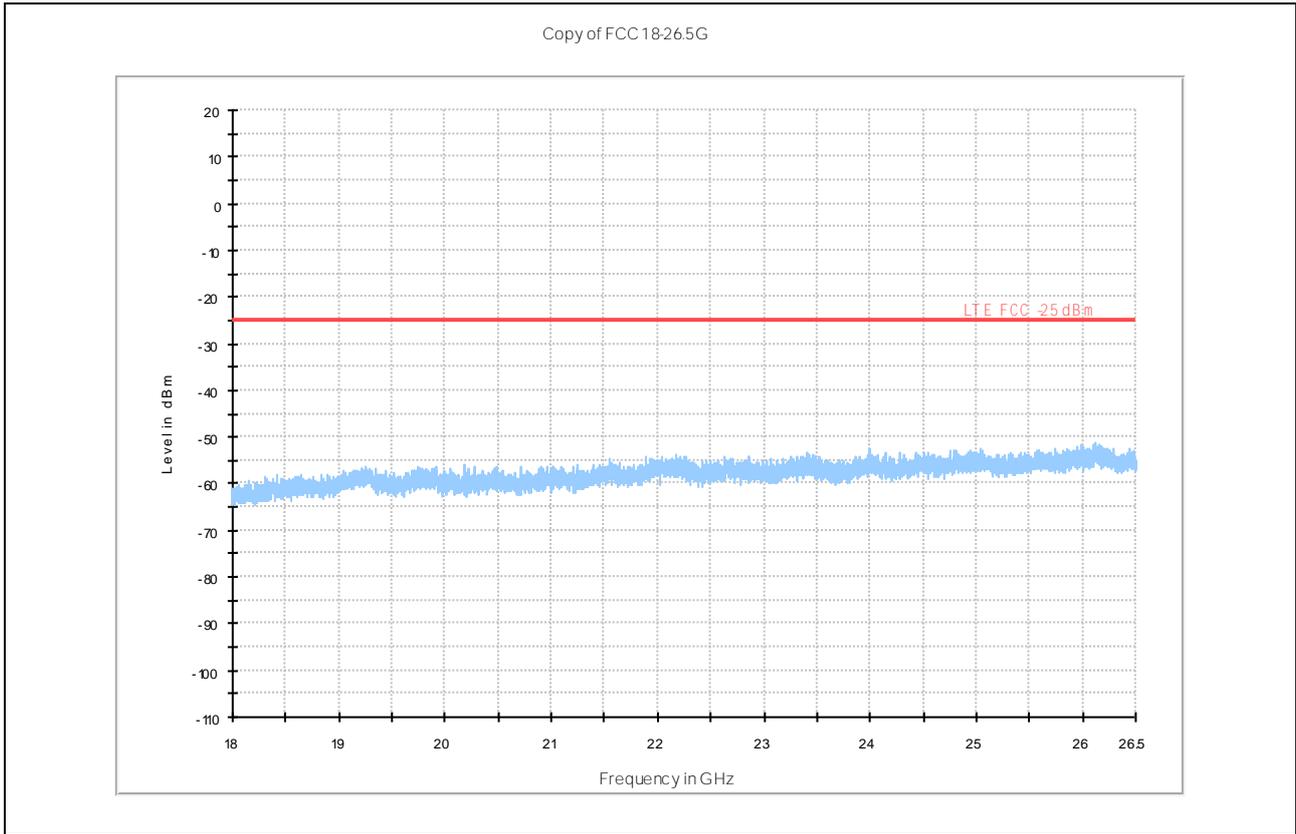


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Band7/TM1_Ant2





8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band7	LTE/TM1	5	LCH	TN	VL	-26.76487	-0.01070	PASS
					VN	-18.65387	-0.00745	PASS
					VH	-20.71381	-0.00828	PASS
			MCH	TN	VL	-3.81947	-0.00151	PASS
					VN	-17.09461	-0.00674	PASS
					VH	-3.81947	-0.00151	PASS
			HCH	TN	VL	-12.17365	-0.00474	PASS
					VN	-69.73743	-0.02716	PASS
					VH	-16.90865	-0.00659	PASS
		10	LCH	TN	VL	-1.50204	-0.00060	PASS
					VN	-2.38895	-0.00095	PASS
					VH	1.83106	0.00073	PASS
			MCH	TN	VL	-18.41068	-0.00726	PASS
					VN	-7.10964	-0.00280	PASS
					VH	-1.21593	-0.00048	PASS
			HCH	TN	VL	-5.06401	-0.00197	PASS
					VN	-28.58162	-0.01114	PASS
					VH	-8.39710	-0.00327	PASS
		15	LCH	TN	VL	-1.24455	-0.00050	PASS
					VN	-35.64835	-0.01422	PASS
					VH	-2.64645	-0.00106	PASS
			MCH	TN	VL	-0.87261	-0.00034	PASS
					VN	-6.30856	-0.00249	PASS
					VH	0.54359	0.00021	PASS
			HCH	TN	VL	-7.20978	-0.00281	PASS
					VN	-20.68520	-0.00807	PASS
					VH	-7.52449	-0.00294	PASS
20	LCH	TN	VL	-12.70294	-0.00506	PASS		
			VN	-6.23703	-0.00248	PASS		
			VH	-32.01485	-0.01275	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	VL	-1.61648	-0.00064	PASS
					VN	0.60081	0.00024	PASS
					VH	1.00136	0.00040	PASS
			HCH	TN	VL	-8.32558	-0.00325	PASS
					VN	-12.78877	-0.00500	PASS
					VH	-9.09805	-0.00355	PASS
		5	LCH	TN	VL	-12.86030	-0.00514	PASS
					VN	-37.09316	-0.01482	PASS
					VH	-20.79964	-0.00831	PASS
			MCH	TN	VL	1.74522	0.00069	PASS
					VN	-10.72884	-0.00423	PASS
					VH	-3.00407	-0.00119	PASS
			HCH	TN	VL	-2.81811	-0.00110	PASS
					VN	-26.47877	-0.01031	PASS
					VH	-12.24518	-0.00477	PASS
		10	LCH	TN	VL	-1.01566	-0.00041	PASS
					VN	-6.06537	-0.00242	PASS
					VH	-0.42915	-0.00017	PASS
			MCH	TN	VL	0.15736	0.00006	PASS
					VN	-1.40190	-0.00055	PASS
					VH	-1.54495	-0.00061	PASS
			HCH	TN	VL	-15.95020	-0.00622	PASS
					VN	-8.65459	-0.00337	PASS
					VH	-3.08990	-0.00120	PASS
		15	LCH	TN	VL	1.75953	0.00070	PASS
					VN	-18.85414	-0.00752	PASS
					VH	-0.81539	-0.00033	PASS
			MCH	TN	VL	2.28882	0.00090	PASS
					VN	-1.95980	-0.00077	PASS
					VH	-0.77248	-0.00030	PASS
			HCH	TN	VL	0.98705	0.00039	PASS
					VN	-13.27515	-0.00518	PASS
					VH	-1.57356	-0.00061	PASS
		20	LCH	TN	VL	-1.60217	-0.00064	PASS
					VN	-2.01702	-0.00080	PASS
					VH	-7.15256	-0.00285	PASS
			MCH	TN	VL	0.88692	0.00035	PASS
					VN	0.22888	0.00009	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-0.48637	-0.00019	PASS
			HCH	TN	VL	2.74658	0.00107	PASS
					VN	-4.83513	-0.00189	PASS
					VH	-1.24455	-0.00049	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band7	LTE/TM1	5	LCH	VN	-30	-19.42635	-0.00776	PASS
					-20	-18.75401	-0.00749	PASS
					-10	-19.39774	-0.00775	PASS
					0	-16.60824	-0.00664	PASS
					10	-20.52784	-0.00820	PASS
					20	-18.65387	-0.00745	PASS
					30	-17.99583	-0.00719	PASS
					40	-17.89570	-0.00715	PASS
			50	-21.24310	-0.00849	PASS		
			MCH	VN	-30	-16.59393	-0.00655	PASS
					-20	-16.09325	-0.00635	PASS
					-10	-18.78262	-0.00741	PASS
					0	-14.43386	-0.00569	PASS
					10	-17.65251	-0.00696	PASS
					20	-17.09461	-0.00674	PASS
					30	-16.36505	-0.00646	PASS
					40	-16.20770	-0.00639	PASS
			50	-15.44952	-0.00609	PASS		
			HCH	VN	-30	-30.42698	-0.01185	PASS
					-20	-31.60000	-0.01231	PASS
					-10	-34.03187	-0.01325	PASS
					0	-30.35545	-0.01182	PASS
					10	-30.09796	-0.01172	PASS
					20	-69.73743	-0.02716	PASS
		30			-34.99031	-0.01363	PASS	
		40			-31.38542	-0.01222	PASS	
		50	-31.29959	-0.01219	PASS			
		10	LCH	VN	-30	-5.27859	-0.00211	PASS
					-20	-6.96659	-0.00278	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-10	-36.04889	-0.01439	PASS	
					0	-4.62055	-0.00184	PASS	
					10	-24.63341	-0.00983	PASS	
					20	-2.38895	-0.00095	PASS	
					30	-5.30720	-0.00212	PASS	
					40	-5.42164	-0.00216	PASS	
					50	-4.62055	-0.00184	PASS	
			MCH	VN	-30	-2.30312	-0.00091	PASS	
					-20	0.07153	0.00003	PASS	
					-10	-9.34124	-0.00368	PASS	
					0	-26.80779	-0.01058	PASS	
					10	-4.62055	-0.00182	PASS	
					20	-7.10964	-0.00280	PASS	
					30	-1.43051	-0.00056	PASS	
					40	-5.59330	-0.00221	PASS	
			HCH	VN	-30	-11.57284	-0.00451	PASS	
					-20	-10.21385	-0.00398	PASS	
					-10	-20.05577	-0.00782	PASS	
					0	-29.96922	-0.01168	PASS	
					10	-31.14223	-0.01214	PASS	
					20	-28.58162	-0.01114	PASS	
					30	-10.21385	-0.00398	PASS	
					40	-13.54694	-0.00528	PASS	
			15	LCH	VN	-30	-4.36306	-0.00174	PASS
						-20	-13.18932	-0.00526	PASS
						-10	-8.58307	-0.00342	PASS
						0	-4.04835	-0.00161	PASS
						10	-4.32015	-0.00172	PASS
						20	-35.64835	-0.01422	PASS
						30	-5.66483	-0.00226	PASS
						40	-4.39167	-0.00175	PASS
				MCH	VN	-30	-2.77519	-0.00109	PASS
						-20	-5.35011	-0.00211	PASS
						-10	-4.33445	-0.00171	PASS
						0	-13.87596	-0.00547	PASS
						10	0.50068	0.00020	PASS
50	-3.94821	-0.00157				PASS			
50	-15.14912	-0.00591				PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-6.30856	-0.00249	PASS		
					30	-1.08719	-0.00043	PASS		
					40	-2.08855	-0.00082	PASS		
					50	-1.24455	-0.00049	PASS		
			HCH	VN	-30	-11.97338	-0.00467	PASS		
					-20	-10.39982	-0.00406	PASS		
					-10	-13.04626	-0.00509	PASS		
					0	-10.32829	-0.00403	PASS		
					10	-9.84192	-0.00384	PASS		
					20	-20.68520	-0.00807	PASS		
					30	-10.35690	-0.00404	PASS		
					40	-11.31535	-0.00442	PASS		
					50	-14.86301	-0.00580	PASS		
					LCH	VN	-30	-5.24998	-0.00209	PASS
							-20	-2.90394	-0.00116	PASS
							-10	-4.11987	-0.00164	PASS
			0	-3.46184			-0.00138	PASS		
			10	-4.09126			-0.00163	PASS		
			20	-6.23703			-0.00248	PASS		
			30	-35.13336			-0.01400	PASS		
		40	-4.89235	-0.00195			PASS			
		MCH	VN	50	-3.14712	-0.00125	PASS			
				-30	-1.23024	-0.00049	PASS			
				-20	-1.87397	-0.00074	PASS			
				-10	-3.93391	-0.00155	PASS			
				0	-2.11716	-0.00084	PASS			
				10	-1.54495	-0.00061	PASS			
				20	0.60081	0.00024	PASS			
				30	-3.30448	-0.00130	PASS			
		HCH	VN	40	-0.87261	-0.00034	PASS			
				50	-0.94414	-0.00037	PASS			
				-30	-8.32558	-0.00325	PASS			
				-20	-8.16822	-0.00319	PASS			
				-10	-5.13554	-0.00201	PASS			
				0	-8.49724	-0.00332	PASS			
				10	-7.46727	-0.00292	PASS			
				20	-12.78877	-0.00500	PASS			
				20			30	-16.59393	-0.00648	PASS
							40	-6.15120	-0.00240	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	LCH	VN	50	-5.99384	-0.00234	PASS
					-30	-35.33363	-0.01412	PASS
					-20	-34.79004	-0.01390	PASS
					-10	-35.24780	-0.01409	PASS
					0	-33.35953	-0.01333	PASS
					10	-35.14767	-0.01405	PASS
					20	-37.09316	-0.01482	PASS
					30	-32.71580	-0.01307	PASS
			40	-36.76414	-0.01469	PASS		
			50	-35.76279	-0.01429	PASS		
			MCH	VN	-30	-13.94749	-0.00550	PASS
					-20	-12.17365	-0.00480	PASS
					-10	-15.26356	-0.00602	PASS
					0	-11.17229	-0.00441	PASS
					10	-16.52241	-0.00652	PASS
					20	-10.72884	-0.00423	PASS
					30	-11.64436	-0.00459	PASS
					40	-16.22200	-0.00640	PASS
			HCH	VN	50	-13.80444	-0.00545	PASS
					-30	-25.79212	-0.01005	PASS
					-20	-22.43042	-0.00874	PASS
					-10	-26.13544	-0.01018	PASS
					0	-23.28873	-0.00907	PASS
					10	-66.04671	-0.02572	PASS
		20			-26.47877	-0.01031	PASS	
		30			-23.15998	-0.00902	PASS	
		10	LCH	VN	-30	-5.27859	-0.00211	PASS
					-20	-8.31127	-0.00332	PASS
					-10	-24.60480	-0.00982	PASS
					0	-6.63757	-0.00265	PASS
					10	-6.48022	-0.00259	PASS
					20	-6.06537	-0.00242	PASS
					30	-24.04690	-0.00960	PASS
					40	-8.54015	-0.00341	PASS
			50	-5.03540	-0.00201	PASS		
			MCH	VN	-30	-18.65387	-0.00736	PASS
					-20	-0.82970	-0.00033	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	-21.62933	-0.00853	PASS		
					0	-8.74043	-0.00345	PASS		
					10	-5.10693	-0.00201	PASS		
					20	-1.40190	-0.00055	PASS		
					30	-1.43051	-0.00056	PASS		
					40	-9.87053	-0.00389	PASS		
					50	-2.20299	-0.00087	PASS		
			HCH	VN	-30	-8.75473	-0.00341	PASS		
					-20	-25.63477	-0.00999	PASS		
					-10	-15.40661	-0.00601	PASS		
					0	-10.97202	-0.00428	PASS		
					10	-10.64301	-0.00415	PASS		
					20	-8.65459	-0.00337	PASS		
					30	-21.17157	-0.00825	PASS		
					40	-8.79765	-0.00343	PASS		
			LCH	VN	-30	-12.00199	-0.00479	PASS		
					-20	-4.27723	-0.00171	PASS		
					-10	-4.37737	-0.00175	PASS		
					0	-3.10421	-0.00124	PASS		
					10	-0.77248	-0.00031	PASS		
					20	-18.85414	-0.00752	PASS		
		30			-4.84943	-0.00193	PASS			
		40			-11.51562	-0.00459	PASS			
		MCH	VN	50	-1.73092	-0.00069	PASS			
				-30	-0.70095	-0.00028	PASS			
				-20	0.54359	0.00021	PASS			
				-10	-2.81811	-0.00111	PASS			
				0	0.71526	0.00028	PASS			
				10	-15.43522	-0.00609	PASS			
				20	-1.95980	-0.00077	PASS			
				30	2.17438	0.00086	PASS			
		HCH	VN	40	0.95844	0.00038	PASS			
				50	1.11580	0.00044	PASS			
				-30	-7.91073	-0.00309	PASS			
				-20	-6.73771	-0.00263	PASS			
				-10	-7.62463	-0.00298	PASS			
				0	-6.69479	-0.00261	PASS			
		10	-7.56741	-0.00295	PASS					
		15					-30	-12.00199	-0.00479	PASS
							-20	-4.27723	-0.00171	PASS
							-10	-4.37737	-0.00175	PASS
							0	-3.10421	-0.00124	PASS
				LCH	VN	10	-0.77248	-0.00031	PASS	
						20	-18.85414	-0.00752	PASS	
						30	-4.84943	-0.00193	PASS	
40	-11.51562					-0.00459	PASS			
MCH	VN			50	-1.73092	-0.00069	PASS			
				-30	-0.70095	-0.00028	PASS			
				-20	0.54359	0.00021	PASS			
				-10	-2.81811	-0.00111	PASS			
HCH	VN	0	0.71526	0.00028	PASS					
		10	-15.43522	-0.00609	PASS					
		20	-1.95980	-0.00077	PASS					
		30	2.17438	0.00086	PASS					
					40	0.95844	0.00038	PASS		
					50	1.11580	0.00044	PASS		
					-30	-7.91073	-0.00309	PASS		
					-20	-6.73771	-0.00263	PASS		
					-10	-7.62463	-0.00298	PASS		
					0	-6.69479	-0.00261	PASS		
					10	-7.56741	-0.00295	PASS		
					-30	-12.00199	-0.00479	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-13.27515	-0.00518	PASS		
					30	-5.92232	-0.00231	PASS		
					40	-7.53880	-0.00294	PASS		
					50	-7.15256	-0.00279	PASS		
		20	LCH	VN	-30	-2.30312	-0.00092	PASS		
					-20	-2.40326	-0.00096	PASS		
					-10	-3.80516	-0.00152	PASS		
					0	-3.17573	-0.00127	PASS		
					10	-2.00272	-0.00080	PASS		
					20	-2.01702	-0.00080	PASS		
					30	-18.65387	-0.00743	PASS		
					40	-1.65939	-0.00066	PASS		
					50	-3.31879	-0.00132	PASS		
					MCH	VN	-30	-1.02997	-0.00041	PASS
							-20	-1.80244	-0.00071	PASS
							-10	-0.65804	-0.00026	PASS
							0	-1.02997	-0.00041	PASS
							10	-1.23024	-0.00049	PASS
							20	0.22888	0.00009	PASS
							30	-2.77519	-0.00109	PASS
			40	0.21458			0.00008	PASS		
			HCH	VN	50	-1.24455	-0.00049	PASS		
					-30	-4.29153	-0.00168	PASS		
					-20	-3.26157	-0.00127	PASS		
					-10	-5.73635	-0.00224	PASS		
					0	-1.88827	-0.00074	PASS		
					10	-3.19004	-0.00125	PASS		
					20	-4.83513	-0.00189	PASS		
					30	-8.75473	-0.00342	PASS		
			40	-5.32150	-0.00208	PASS				
			50	-5.04971	-0.00197	PASS				

END