



6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







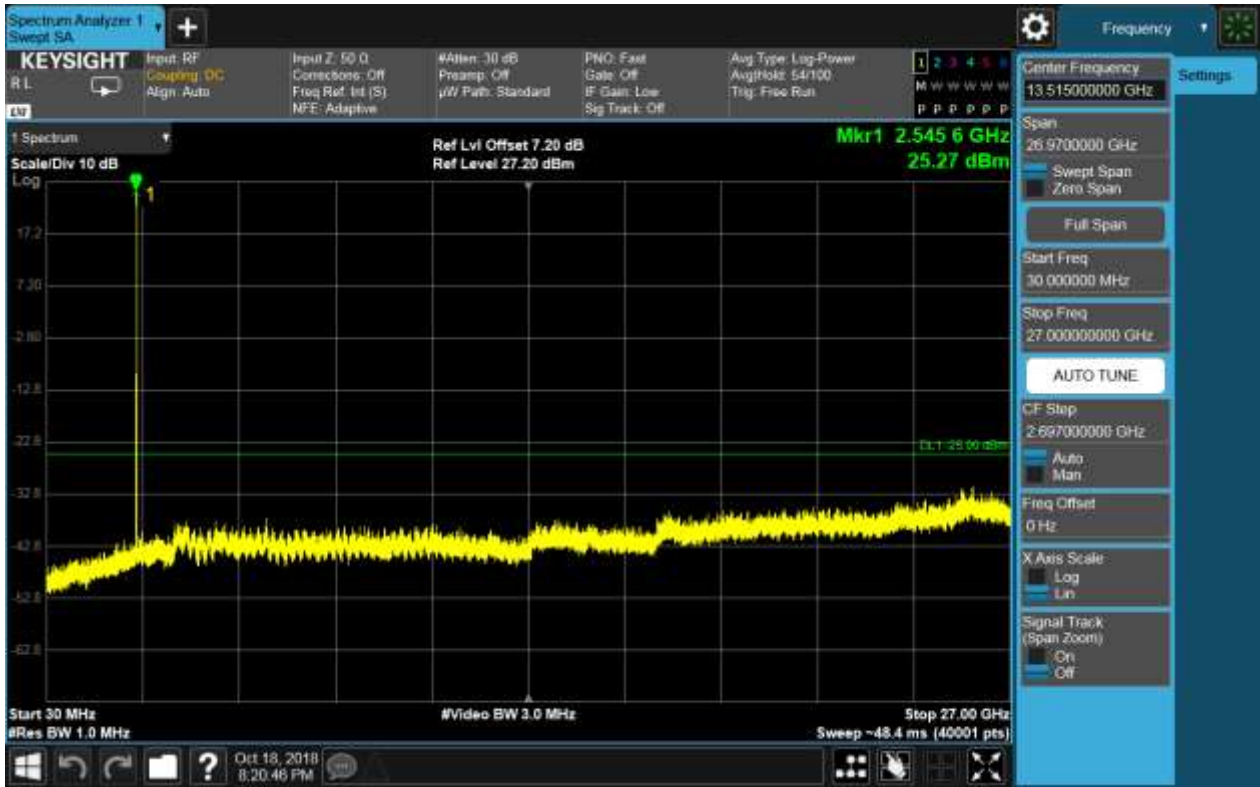
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





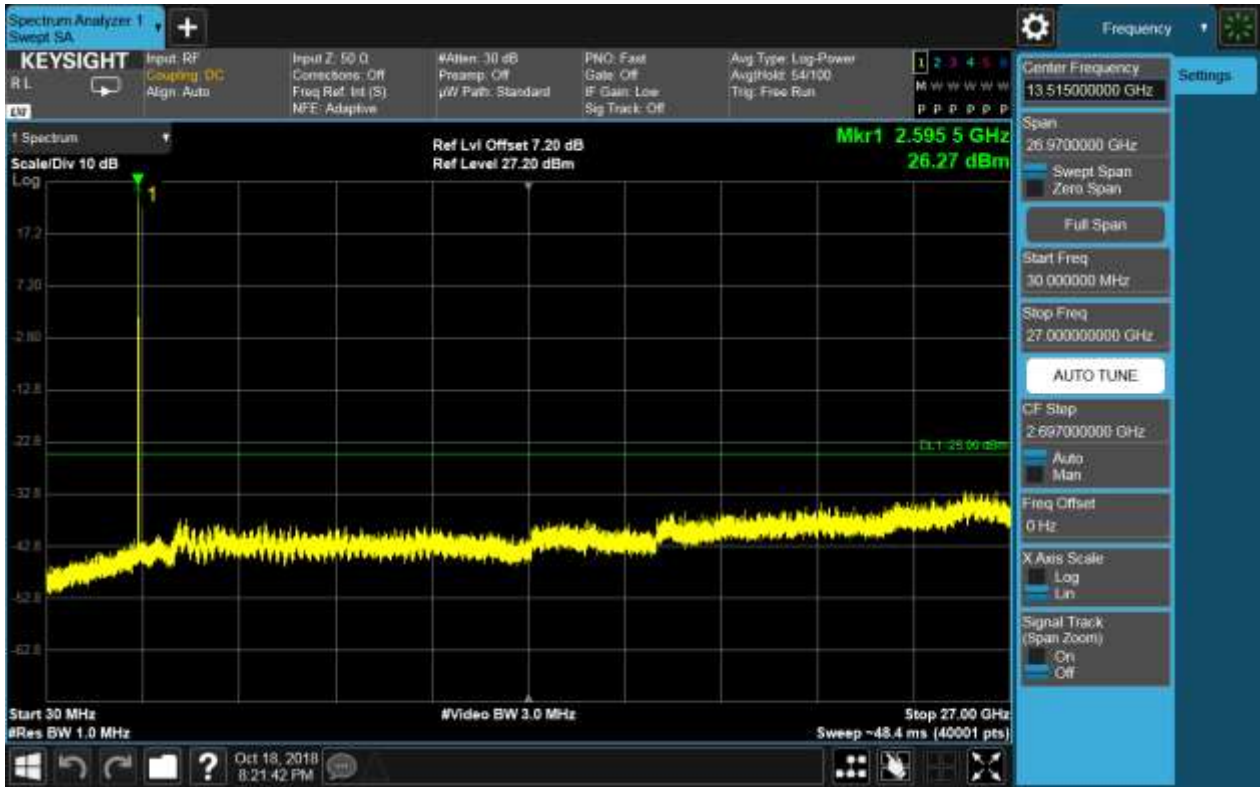


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0









6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





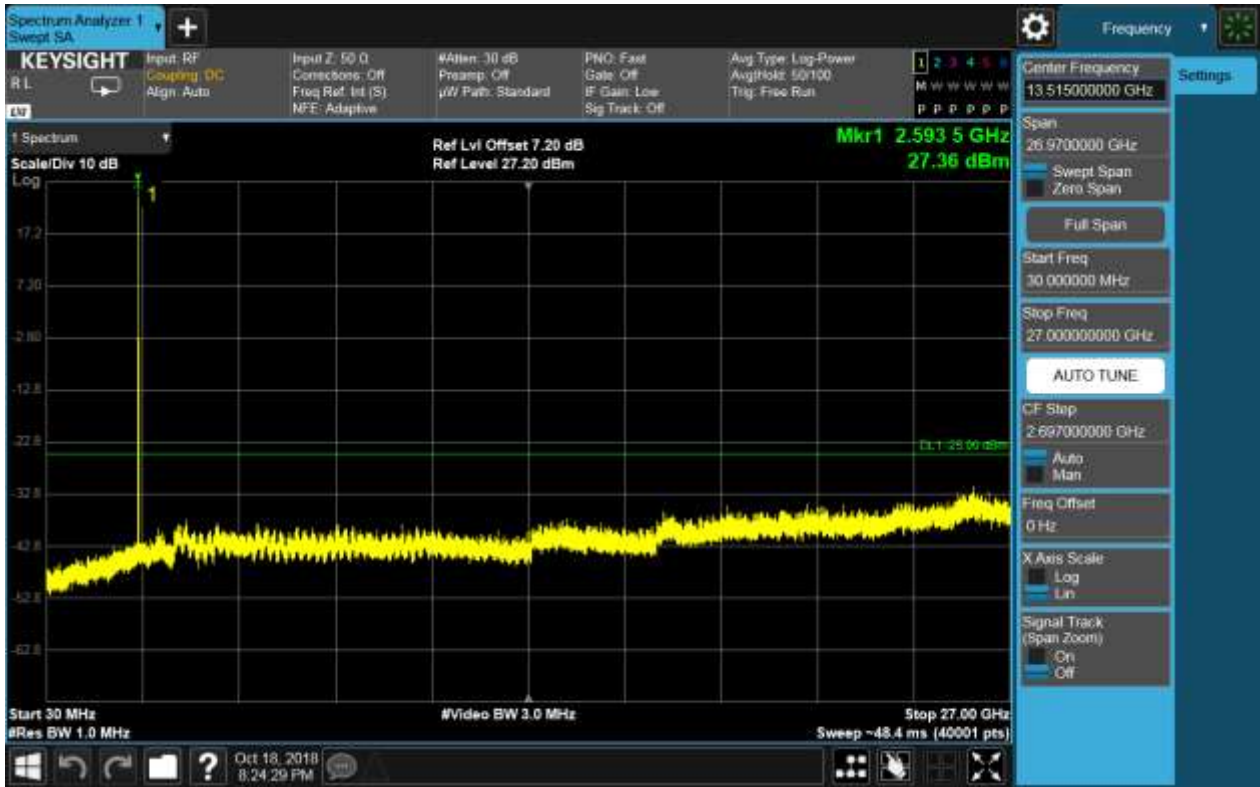


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





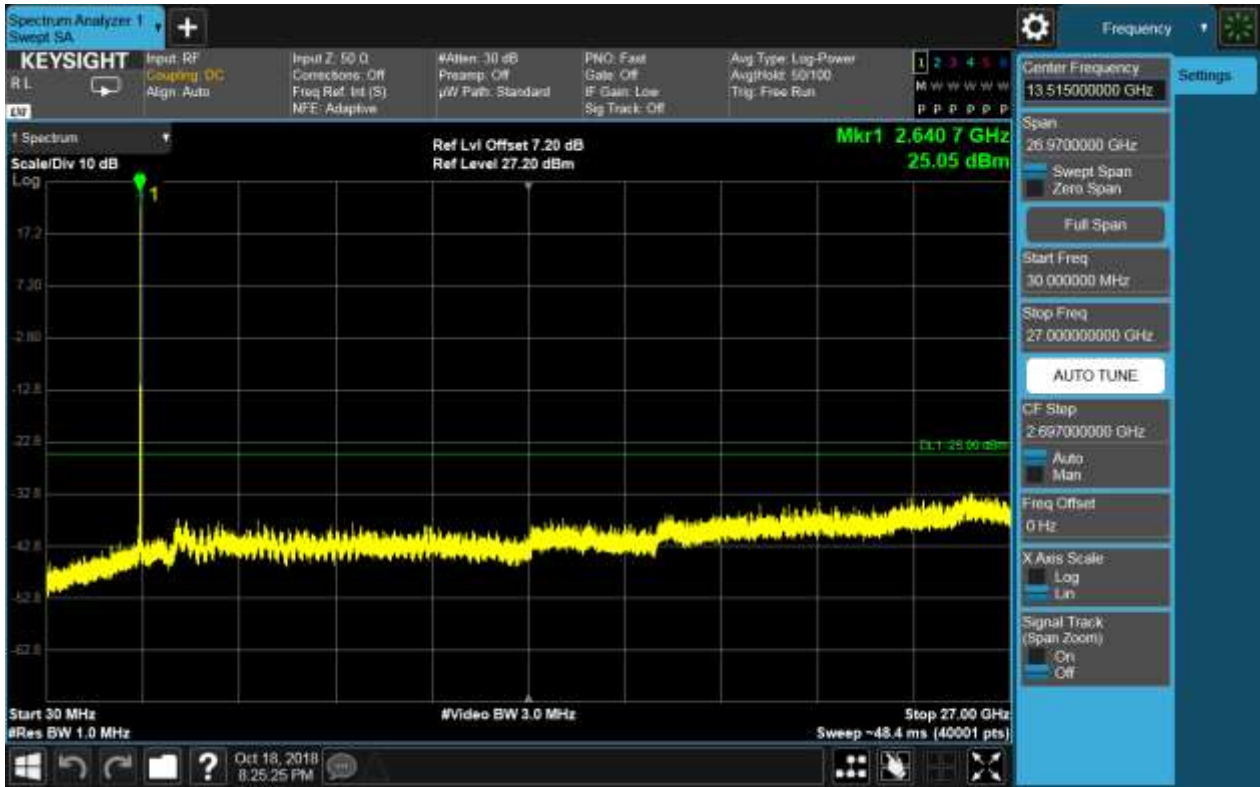


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





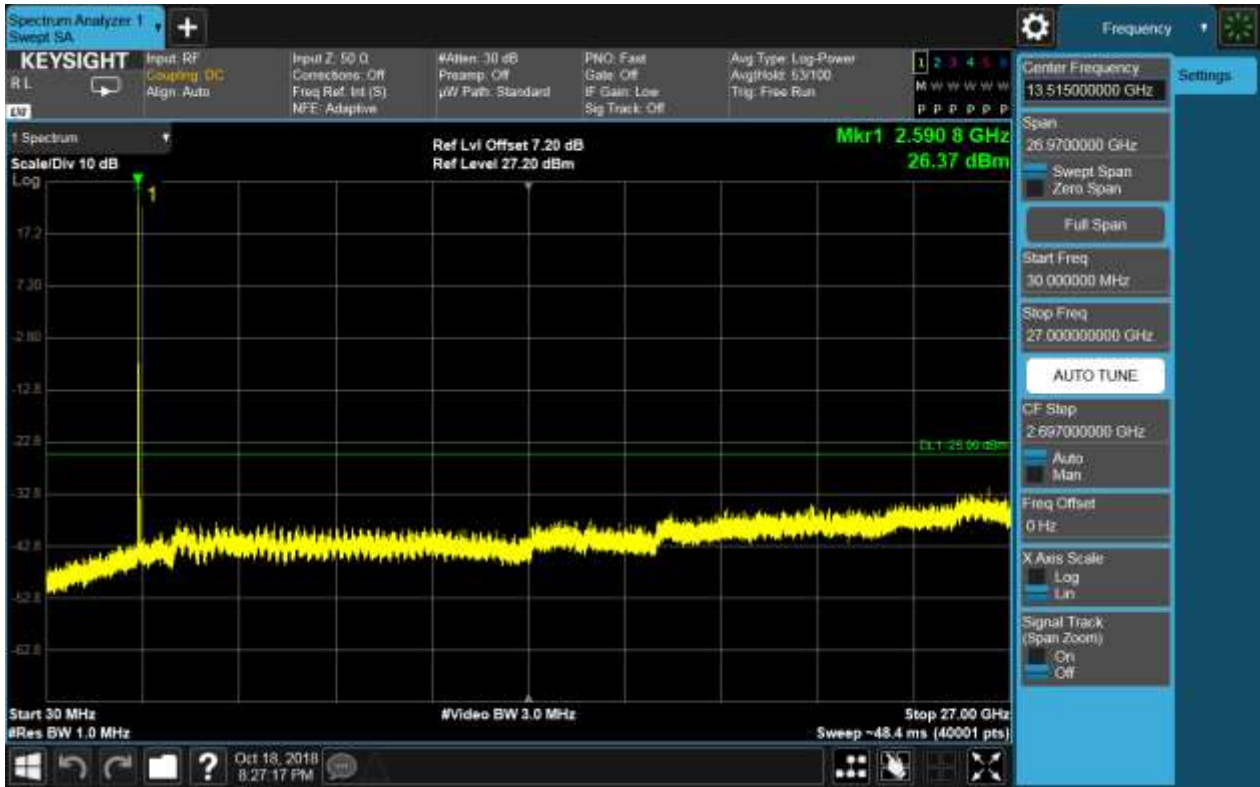


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





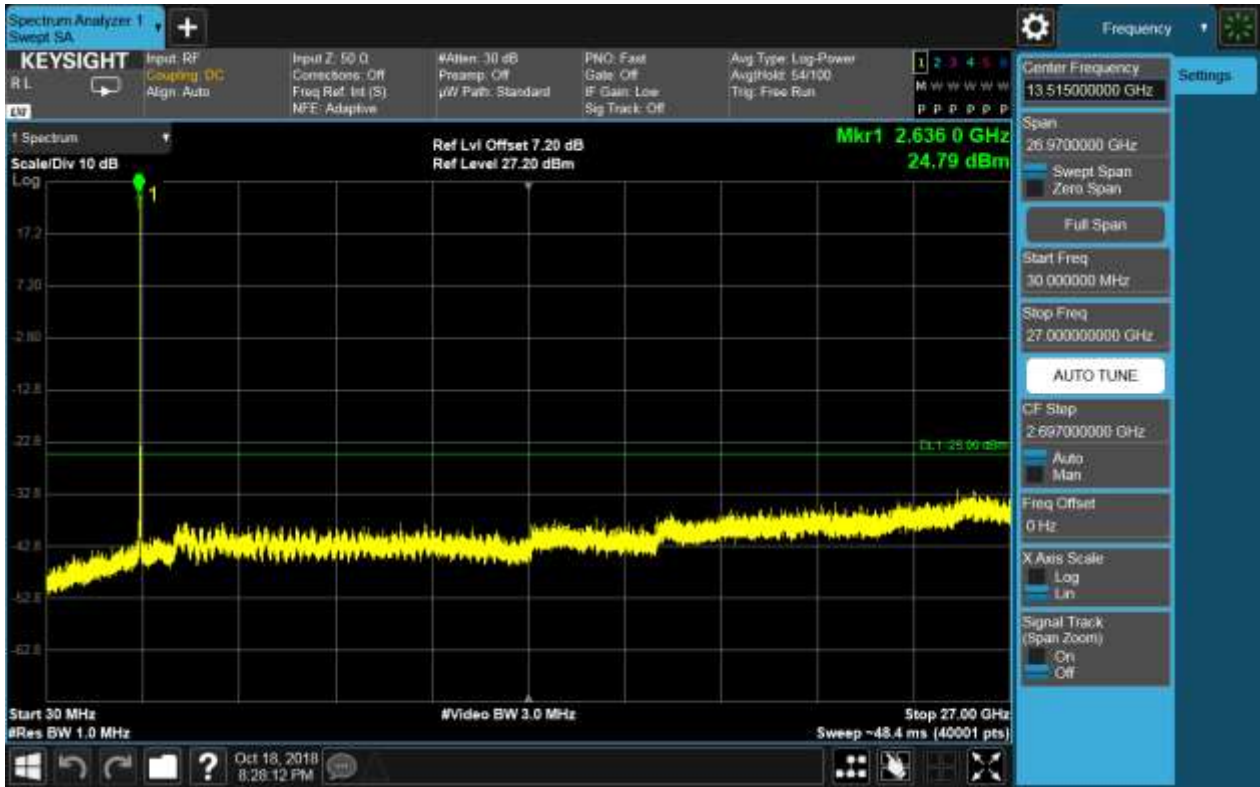


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Frequency Stability

7.1 For LTE

7.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND41	LTE/TM1	5	LCH	TN	VL	-26.87	-0.01055	PASS
					VN	-23.27	-0.00913	PASS
					VH	-26.64	-0.01046	PASS
			MCH	TN	VL	-28.1	-0.01081	PASS
					VN	-16.39	-0.0063	PASS
					VH	-21.49	-0.00827	PASS
			HCH	TN	VL	-19.31	-0.00728	PASS
					VN	-20.86	-0.00786	PASS
					VH	-11.1	-0.00418	PASS
		10	LCH	TN	VL	-21.57	-0.00846	PASS
					VN	-13.8	-0.00541	PASS
					VH	-10.04	-0.00394	PASS
			MCH	TN	VL	-8.8	-0.00338	PASS
					VN	-5.48	-0.00211	PASS
					VH	-11.53	-0.00443	PASS
			HCH	TN	VL	-8.38	-0.00316	PASS
					VN	-8.01	-0.00302	PASS
					VH	-14.19	-0.00535	PASS
		15	LCH	TN	VL	-17.52	-0.00686	PASS
					VN	-23.55	-0.00923	PASS
					VH	-16.84	-0.0066	PASS
			MCH	TN	VL	-7.87	-0.00303	PASS
					VN	-7.55	-0.0029	PASS
					VH	-3.48	-0.00134	PASS
			HCH	TN	VL	-13.79	-0.00521	PASS
					VN	-11.22	-0.00424	PASS
					VH	-9.2	-0.00347	PASS
		20	LCH	TN	VL	-8.61	-0.00337	PASS
					VN	-14.13	-0.00553	PASS
					VH	-10.91	-0.00427	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			MCH	TN	VL	-10.76	-0.00414	PASS	
					VN	-5.64	-0.00217	PASS	
					VH	-8.84	-0.0034	PASS	
			HCH	TN	VL	-11.17	-0.00422	PASS	
					VN	-9.54	-0.00361	PASS	
					VH	-7.44	-0.00281	PASS	
		LTE/TM2	5	LCH	TN	VL	-10.23	-0.00402	PASS
						VN	0.83	0.00033	PASS
						VH	-9.04	-0.00355	PASS
				MCH	TN	VL	-10.5	-0.00404	PASS
						VN	-3.82	-0.00147	PASS
						VH	-3.02	-0.00116	PASS
	HCH			TN	VL	-9.81	-0.0037	PASS	
					VN	-14.79	-0.00558	PASS	
					VH	-16.84	-0.00635	PASS	
	10			LCH	TN	VL	-9.03	-0.00354	PASS
						VN	-6.88	-0.0027	PASS
						VH	-5.02	-0.00197	PASS
			MCH	TN	VL	-4.38	-0.00168	PASS	
					VN	-13.09	-0.00503	PASS	
					VH	-7.58	-0.00292	PASS	
	HCH		TN	VL	0.37	0.00014	PASS		
				VN	-11.67	-0.0044	PASS		
				VH	-18.54	-0.007	PASS		
	15	LCH	TN	VL	-8.45	-0.00331	PASS		
				VN	-9.91	-0.00388	PASS		
				VH	-12.99	-0.00509	PASS		
		MCH	TN	VL	-3.25	-0.00125	PASS		
				VN	-7.37	-0.00283	PASS		
				VH	-4.85	-0.00187	PASS		
		HCH	TN	VL	-11.37	-0.00429	PASS		
				VN	-14.73	-0.00556	PASS		
				VH	-12.06	-0.00456	PASS		
	20	LCH	TN	VL	-11.76	-0.0046	PASS		
				VN	-13.99	-0.00548	PASS		
				VH	-12.32	-0.00482	PASS		
MCH		TN	VL	-4.22	-0.00162	PASS			
			VN	-4.13	-0.00159	PASS			
			VH	-10.14	-0.0039	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	-11.92	-0.00451	PASS
					VN	-5.19	-0.00196	PASS
					VH	-10.86	-0.00411	PASS

7.1.2 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
BAND41	LTE/TM1	5	LCH	VN	-30	-5.81	-.00228	PASS
					-20	-6.87	-0.0027	PASS
					-10	-8.05	-0.00316	PASS
					0	-18.67	-0.00733	PASS
					10	-15.03	-0.0059	PASS
					20	-9.01	-0.00354	PASS
					30	-10.63	-0.00417	PASS
					40	-8.4	-0.0033	PASS
					50	-12.92	-0.00507	PASS
			MCH	VN	-30	-8.94	-0.00344	PASS
					-20	-11.19	-0.0043	PASS
					-10	-9.56	-0.00368	PASS
					0	-5.12	-0.00197	PASS
					10	-12.49	-0.0048	PASS
					20	-12.5	-0.00481	PASS
		30			-3.99	-0.00153	PASS	
		40			-8.28	-0.00318	PASS	
		50			-2.13	-0.00082	PASS	
		HCH	VN	-30	-15.16	-0.00572	PASS	
				-20	-0.59	-0.00022	PASS	
				-10	-14.53	-0.00548	PASS	
				0	-5.98	-0.00225	PASS	
				10	-7.67	-0.00289	PASS	
				20	-8.71	-0.00328	PASS	
				30	-11.93	-0.0045	PASS	
				40	-10.5	-0.00396	PASS	
				50	-9.77	-0.00368	PASS	
		10	LCH	VN	-30	-10.59	-0.00415	PASS
					-20	-4.51	-0.00177	PASS
					-10	-1.89	-0.00074	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					0	-9.06	-0.00355	PASS	
					10	-12.27	-0.00481	PASS	
					20	-2.73	-0.00107	PASS	
					30	-18.53	-0.00727	PASS	
					40	-5.95	-0.00233	PASS	
					50	-9.84	-0.00386	PASS	
			MCH	VN	-30	-6.17	-0.00237	PASS	
					-20	-2.79	-0.00107	PASS	
					-10	-6.51	-0.0025	PASS	
					0	-1.87	-0.00072	PASS	
					10	-4.08	-0.00157	PASS	
					20	-10.09	-0.00388	PASS	
					30	-5.59	-0.00215	PASS	
					40	-10.33	-0.00397	PASS	
			HCH	VN	-30	-4.91	-0.00185	PASS	
					-20	-6.28	-0.00237	PASS	
					-10	-1.95	-0.00074	PASS	
					0	-15.41	-0.00582	PASS	
					10	-2.62	-0.00099	PASS	
					20	-8.08	-0.00305	PASS	
					30	-16.41	-0.00619	PASS	
					40	-5.09	-0.00192	PASS	
			15	LCH	VN	-30	-13.23	-0.00518	PASS
						-20	-4.99	-0.00195	PASS
						-10	-19.21	-0.00753	PASS
						0	-17.07	-0.00669	PASS
						10	-10.81	-0.00424	PASS
						20	-18.48	-0.00724	PASS
						30	-16.52	-0.00647	PASS
						40	-19.4	-0.0076	PASS
				MCH	VN	-30	1.27	0.00049	PASS
						-20	-6.51	-0.0025	PASS
						-10	-4.08	-0.00157	PASS
						0	-7.04	-0.00271	PASS
						10	-6.35	-0.00244	PASS
						20	-1.14	-0.00044	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-4.59	-0.00177	PASS
					40	-3.53	-0.00136	PASS
					50	-1.9	-0.00073	PASS
			HCH	VN	-30	-4.36	-0.00165	PASS
					-20	-12.06	-0.00456	PASS
					-10	-9.87	-0.00373	PASS
					0	-6.69	-0.00253	PASS
					10	-13.39	-0.00506	PASS
					20	-5.59	-0.00211	PASS
					30	-9.18	-0.00347	PASS
					40	-11.66	-0.0044	PASS
					50	-12.53	-0.00473	PASS
		20	LCH	VN	-30	-11.6	-0.00454	PASS
					-20	-10.17	-0.00398	PASS
					-10	-11.16	-0.00437	PASS
					0	-5.52	-0.00216	PASS
					10	-8.04	-0.00315	PASS
					20	-18.14	-0.0071	PASS
					30	-17.09	-0.00669	PASS
					40	-11.57	-0.00453	PASS
			MCH	VN	50	-7.62	-0.00298	PASS
					-30	-6.01	-0.00231	PASS
					-20	-5.48	-0.00211	PASS
					-10	-6.17	-0.00237	PASS
					0	-7	-0.00269	PASS
					10	-5.55	-0.00213	PASS
					20	-3.28	-0.00126	PASS
			HCH	VN	30	-6.67	-0.00257	PASS
					40	-1.56	-0.0006	PASS
					50	-6.12	-0.00235	PASS
		-30			-8.85	-0.00335	PASS	
		-20			-14.75	-0.00558	PASS	
		-10			-11.04	-0.00417	PASS	
		0			-9.21	-0.00348	PASS	
		10			-10.97	-0.00415	PASS	
		20			-8.23	-0.00311	PASS	
		30	-11.72	-0.00443	PASS			
		40	-15.41	-0.00583	PASS			
		50	-2.85	-0.00108	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	-30	-11.06	-0.00434	PASS
					-20	-8.4	-0.0033	PASS
					-10	-12.6	-0.00495	PASS
					0	-6.27	-0.00246	PASS
					10	-9.33	-0.00366	PASS
					20	-7.42	-0.00291	PASS
					30	-13.06	-0.00513	PASS
					40	-12.2	-0.00479	PASS
			50	-12.19	-0.00479	PASS		
			MCH	VN	-30	-10.59	-0.00407	PASS
					-20	-5.54	-0.00213	PASS
					-10	-4.23	-0.00163	PASS
					0	-2.66	-0.00102	PASS
					10	-1.06	-0.00041	PASS
					20	-4.03	-0.00155	PASS
					30	-6.52	-0.00251	PASS
					40	-10.31	-0.00397	PASS
			50	-11.67	-0.00449	PASS		
			HCH	VN	-30	-12.29	-0.00463	PASS
					-20	-7.8	-0.00294	PASS
					-10	-5.64	-0.00213	PASS
					0	-10.94	-0.00412	PASS
					10	-10.7	-0.00403	PASS
					20	-6.68	-0.00252	PASS
		30			-2.65	-0.001	PASS	
		40			-9.63	-0.00363	PASS	
		50	-2.9	-0.00109	PASS			
		10	LCH	VN	-30	1.75	0.00069	PASS
					-20	-20.48	-0.00803	PASS
					-10	-7.77	-0.00305	PASS
					0	-8.17	-0.0032	PASS
					10	-5.95	-0.00233	PASS
					20	-4.55	-0.00178	PASS
					30	-9.13	-0.00358	PASS
					40	-4.94	-0.00194	PASS
			50	-5.44	-0.00213	PASS		
			MCH	VN	-30	1	0.00038	PASS
					-20	-8.24	-0.00317	PASS
					-10	0.46	0.00018	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	-8.18	-0.00315	PASS		
					10	-2.07	-0.0008	PASS		
					20	-9.74	-0.00375	PASS		
					30	-7.38	-0.00284	PASS		
					40	-5.15	-0.00198	PASS		
					50	-1.53	-0.00059	PASS		
			HCH	VN	-30	-10.21	-0.00385	PASS		
					-20	-11.89	-0.00449	PASS		
					-10	-4.81	-0.00182	PASS		
					0	-14.79	-0.00558	PASS		
					10	-14.98	-0.00565	PASS		
					20	-6.11	-0.00231	PASS		
		15	LCH	VN	30	-2.68	-0.00101	PASS		
					40	-7.55	-0.00285	PASS		
					50	-6.78	-0.00256	PASS		
					-30	-14.56	-0.0057	PASS		
					-20	-9.53	-0.00373	PASS		
					-10	-13.95	-0.00547	PASS		
			MCH	VN	0	-14.31	-0.00561	PASS		
					10	-12.5	-0.0049	PASS		
					20	-8.43	-0.0033	PASS		
					30	-20.14	-0.00789	PASS		
					40	-9.53	-0.00373	PASS		
					50	-18.61	-0.00729	PASS		
		HCH	VN	-30	-0.97	-0.00037	PASS			
				-20	-5.12	-0.00197	PASS			
				-10	-7.27	-0.0028	PASS			
				0	-5.24	-0.00202	PASS			
				10	-10.24	-0.00394	PASS			
				20	-4.41	-0.0017	PASS			
							30	-6.09	-0.00234	PASS
							40	-4.53	-0.00174	PASS
							50	-6.27	-0.00241	PASS
							-30	-8.35	-0.00315	PASS
							-20	-14.59	-0.00551	PASS
							-10	-6.68	-0.00252	PASS
					0	-10.79	-0.00408	PASS		
					10	-15.36	-0.0058	PASS		
					20	-6.07	-0.00229	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	-11.24	-0.00425	PASS		
					40	-12.19	-0.0046	PASS		
					50	-4.43	-0.00167	PASS		
		20	LCH	VN	-30	-5.12	-0.002	PASS		
					-20	-3.45	-0.00135	PASS		
					-10	-5.02	-0.00196	PASS		
					0	-6.68	-0.00261	PASS		
					10	-1.76	-0.00069	PASS		
					20	-2.92	-0.00114	PASS		
					30	-5.09	-0.00199	PASS		
					40	-6.21	-0.00243	PASS		
					50	-9.24	-0.00362	PASS		
					MCH	VN	-30	-1.65	-0.00063	PASS
							-20	-6.47	-0.00249	PASS
							-10	-4.69	-0.0018	PASS
		0	-5.32	-0.00205			PASS			
		10	-5.72	-0.0022			PASS			
		20	-4.08	-0.00157			PASS			
		30	-2.19	-0.00084			PASS			
		40	-6.41	-0.00247			PASS			
		HCH	VN	-30	-12.39	-0.00468	PASS			
				-20	-13.19	-0.00499	PASS			
				-10	-3.43	-0.0013	PASS			
				0	-5.29	-0.002	PASS			
				10	-10.4	-0.00393	PASS			
				20	-9.88	-0.00374	PASS			
				30	-9.4	-0.00355	PASS			
				40	-8.57	-0.00324	PASS			
		50	-5.51	-0.00208	PASS					

END