



6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0







6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0







6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



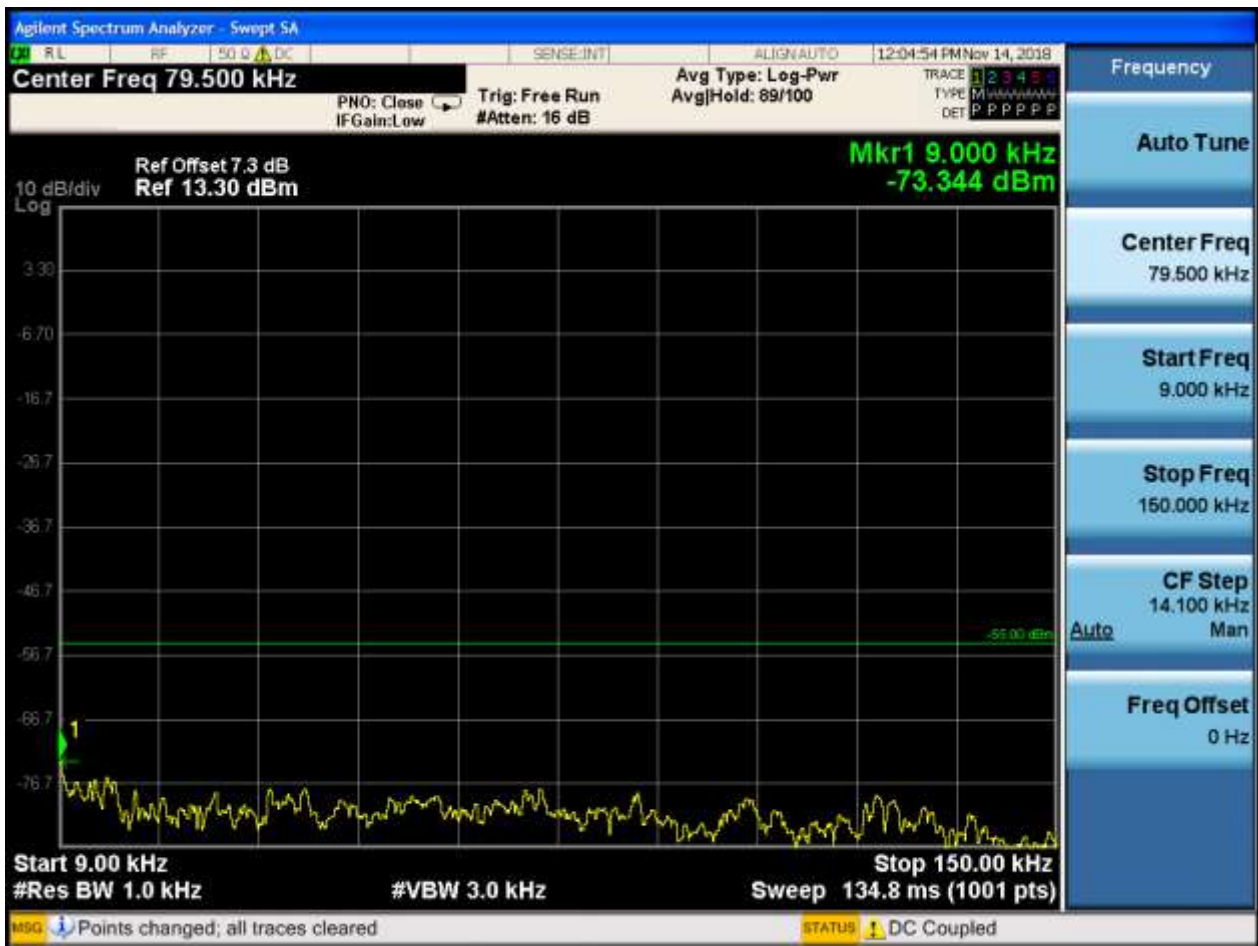




6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0







6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0







6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





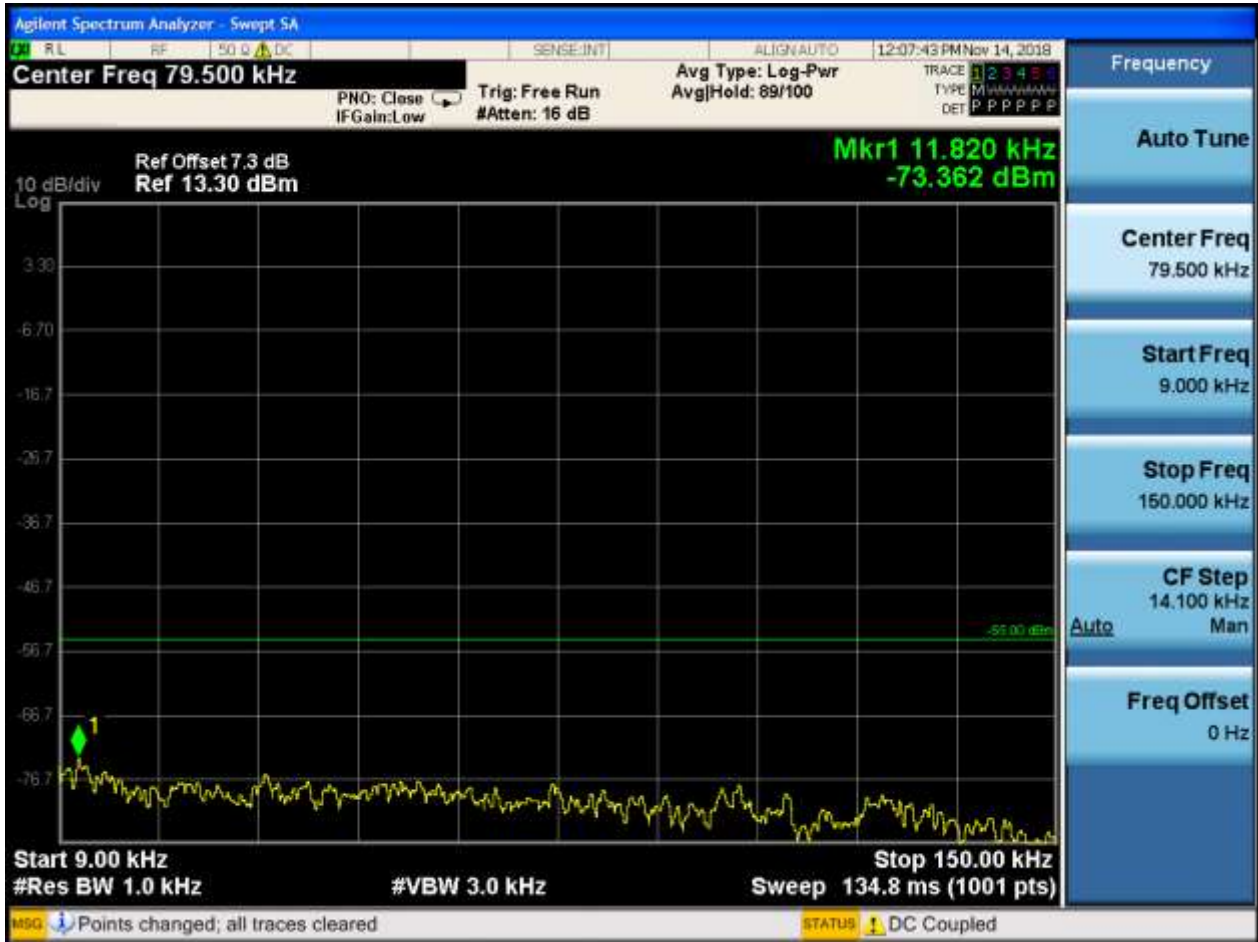


6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0







6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0







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

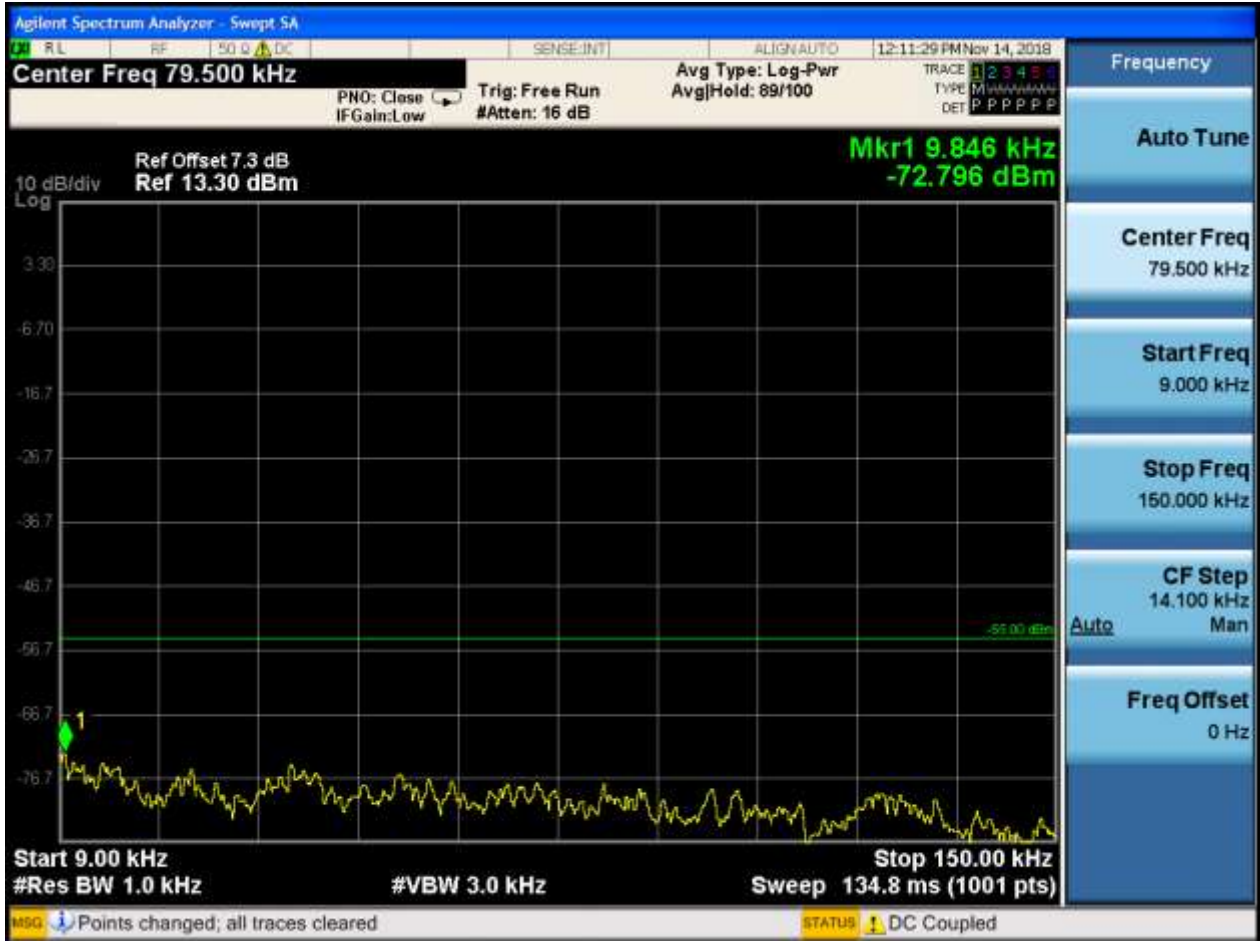






6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

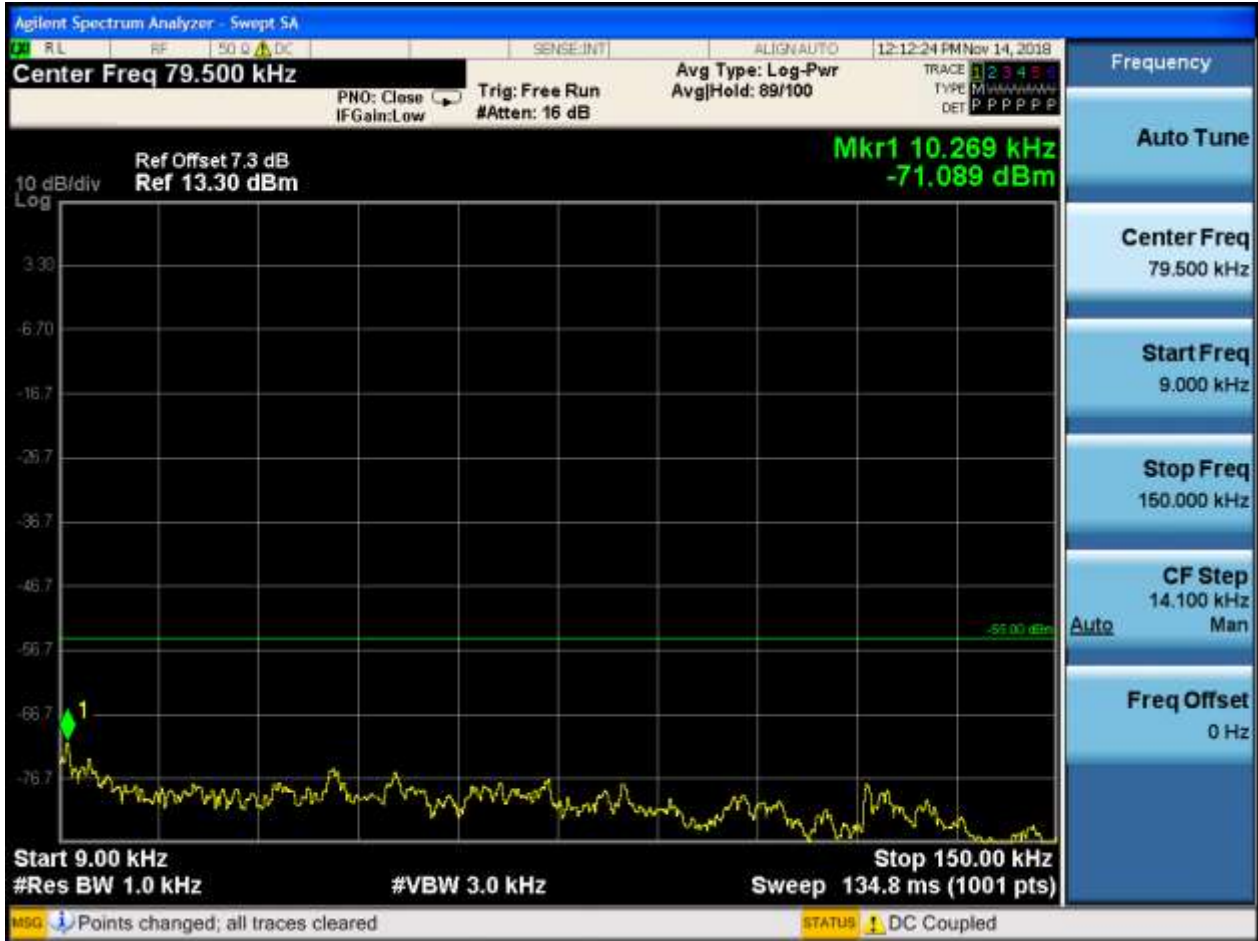






6.1.1.2.2.3 Test Channel = HCH

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



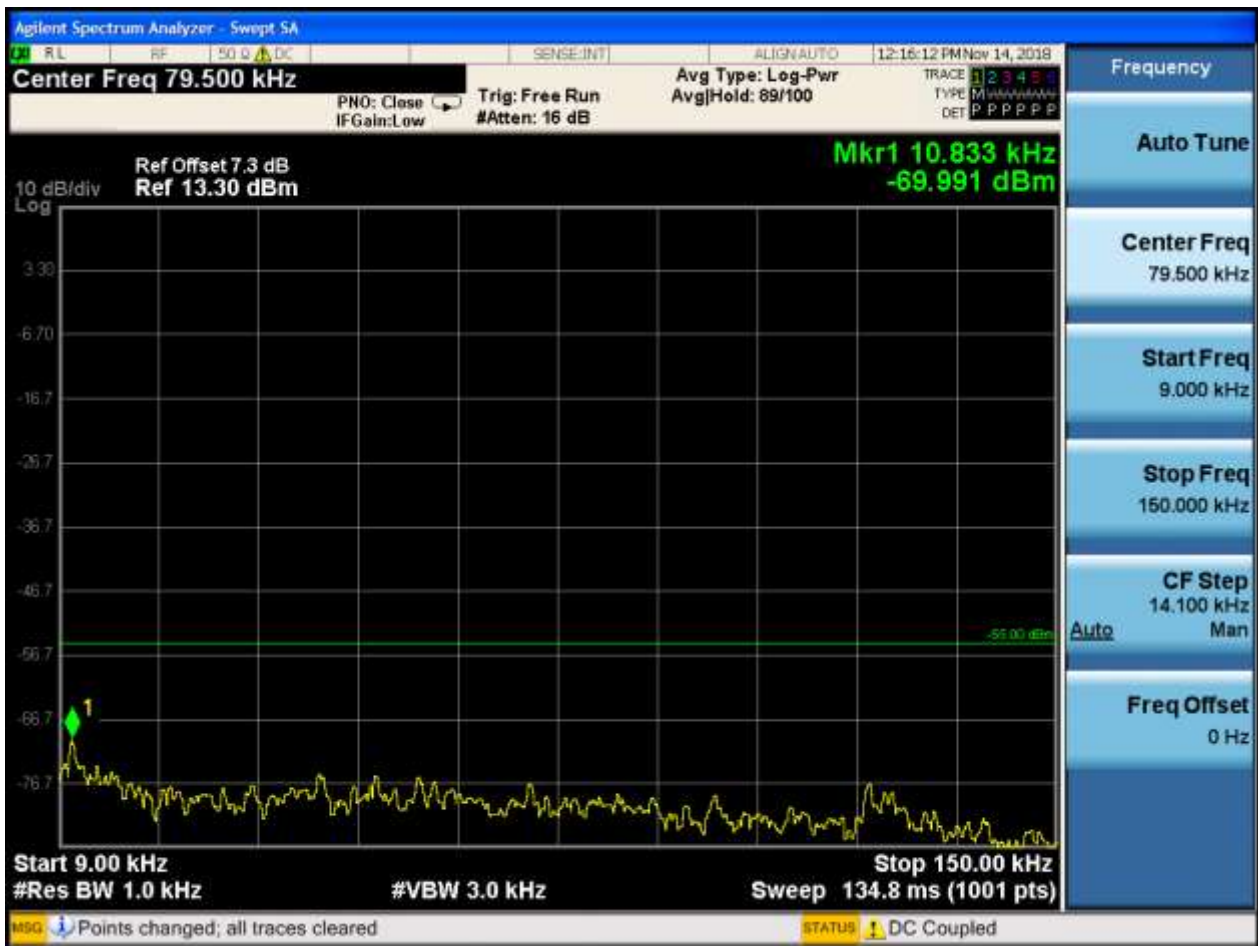




6.1.1.2.4 Test Bandwidth = 20

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

7.1.1 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
BAND7	LTE/TM1	5	LCH	TN	VL	1.43	0.00057	PASS
					VN	0.50	0.0002	PASS
					VH	0.83	0.00033	PASS
			MCH	TN	VL	-1.76	-0.00069	PASS
					VN	-3.22	-0.00127	PASS
					VH	-4.51	-0.00178	PASS
			HCH	TN	VL	-0.11	-0.00004	PASS
					VN	-0.19	-0.00007	PASS
					VH	1.93	0.00075	PASS
		10	LCH	TN	VL	-3.76	-0.0015	PASS
					VN	-3.76	-0.0015	PASS
					VH	-2.15	-0.00086	PASS
			MCH	TN	VL	-2.32	-0.00092	PASS
					VN	-4.03	-0.00159	PASS
					VH	-3.49	-0.00138	PASS
			HCH	TN	VL	-4.39	-0.00171	PASS
					VN	-4.28	-0.00167	PASS
					VH	-4.35	-0.0017	PASS
		15	LCH	TN	VL	0.51	0.0002	PASS
					VN	1.02	0.00041	PASS
					VH	1.42	0.00057	PASS
			MCH	TN	VL	-2.09	-0.00082	PASS
					VN	-4.35	-0.00172	PASS
					VH	-2.30	-0.00091	PASS
			HCH	TN	VL	2.47	0.00096	PASS
					VN	0.64	0.00025	PASS
					VH	1.85	0.00072	PASS
		20	LCH	TN	VL	-1.04	-0.00041	PASS
					VN	-0.60	-0.00024	PASS
					VH	-0.11	-0.00004	PASS
			MCH	TN	VL	-2.40	-0.00095	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					VN	-3.43	-0.00135	PASS			
					VH	-3.10	-0.00122	PASS			
					VL	-0.44	-0.00017	PASS			
			HCH	TN	VN	0.49	0.00019	PASS			
					VH	-0.21	-0.00008	PASS			
					VL	3.08	0.00123	PASS			
		LTE/TM2	5	LCH	TN	VN	1.16	0.00046	PASS		
						VH	0.54	0.00022	PASS		
						VL	-2.05	-0.00081	PASS		
						MCH	TN	VN	-2.65	-0.00105	PASS
								VH	-3.28	-0.00129	PASS
								VL	-0.11	-0.00004	PASS
	HCH			TN	VN	0.21	0.00008	PASS			
					VH	1.34	0.00052	PASS			
					VL	-3.46	-0.00138	PASS			
					LCH	TN	VN	-3.19	-0.00127	PASS	
							VH	-3.78	-0.00151	PASS	
							VL	-5.24	-0.00207	PASS	
	10			MCH	TN	VN	-4.28	-0.00169	PASS		
						VH	-4.96	-0.00196	PASS		
						VL	-2.82	-0.0011	PASS		
						HCH	TN	VN	-3.86	-0.0015	PASS
								VH	-3.76	-0.00147	PASS
								VL	0.56	0.00022	PASS
	15	LCH	TN	VN	-0.40	-0.00016	PASS				
				VH	-1.26	-0.0005	PASS				
				VL	-3.43	-0.00135	PASS				
		MCH	TN	VN	-0.72	-0.00028	PASS				
				VH	-2.19	-0.00086	PASS				
				VL	1.33	0.00052	PASS				
		HCH	TN	VN	3.30	0.00129	PASS				
				VH	1.17	0.00046	PASS				
				VL	1.60	0.00064	PASS				
	20	LCH	TN	VN	0.21	0.00008	PASS				
				VH	1.75	0.0007	PASS				
				VL	13.06	0.00515	PASS				
		MCH	TN	VN	9.51	0.00375	PASS				
				VH	10.91	0.0043	PASS				
				VL	1.42	0.00055	PASS				
	HCH	TN	VN	0.21	0.00008	PASS					
			VH	1.75	0.0007	PASS					
			VL	13.06	0.00515	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	0.59	0.00023	PASS
					VH	0.21	0.00008	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
BAND7	LTE/TM1	5	LCH	VN	-30	1.57	0.00063	PASS
					-20	-0.24	-0.0001	PASS
					-10	1.92	0.00077	PASS
					0	1.85	0.00074	PASS
					10	2.05	0.00082	PASS
					20	2.22	0.00089	PASS
					30	2.49	0.001	PASS
			MCH	VN	-30	-3.55	-0.0014	PASS
					-20	-4.96	-0.00196	PASS
					-10	-3.39	-0.00134	PASS
					0	-4.85	-0.00191	PASS
					10	-4.09	-0.00161	PASS
					20	-3.56	-0.0014	PASS
					30	-3.59	-0.00142	PASS
		HCH	VN	-30	0.74	0.00029	PASS	
				-20	0.50	0.00019	PASS	
				-10	0.63	0.00025	PASS	
				0	-1.09	-0.00042	PASS	
				10	1.13	0.00044	PASS	
				20	0.84	0.00033	PASS	
				30	-1.16	-0.00045	PASS	
		10	LCH	VN	-30	-2.50	-0.001	PASS
					-20	-4.48	-0.00179	PASS
					-10	-2.03	-0.00081	PASS
					0	-0.89	-0.00036	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15			10	-3.50	-0.0014	PASS
					20	-3.76	-0.0015	PASS
					30	-3.72	-0.00149	PASS
					40	-3.46	-0.00138	PASS
					50	-2.29	-0.00091	PASS
			MCH	VN	-30	-3.45	-0.00136	PASS
					-20	-2.27	-0.0009	PASS
					-10	-3.40	-0.00134	PASS
					0	-4.76	-0.00188	PASS
					10	-3.96	-0.00156	PASS
					20	-4.35	-0.00172	PASS
					30	-2.32	-0.00092	PASS
					40	-4.36	-0.00172	PASS
					50	-4.51	-0.00178	PASS
					HCH	VN	-30	-2.37
			-20	-3.52			-0.00137	PASS
			-10	-4.86			-0.00189	PASS
			0	-3.29			-0.00128	PASS
			10	-3.36			-0.00131	PASS
			20	-4.65			-0.00181	PASS
			30	-3.38			-0.00132	PASS
			40	-2.85			-0.00111	PASS
			LCH	VN	-30	-0.96	-0.00038	PASS
					-20	-0.49	-0.0002	PASS
					-10	-0.24	-0.0001	PASS
					0	0.44	0.00018	PASS
					10	0.16	0.00006	PASS
					20	-1.57	-0.00063	PASS
					30	1.23	0.00049	PASS
					40	0.43	0.00017	PASS
					50	-0.11	-0.00004	PASS
					MCH	VN	-30	-2.93
			-20	-4.49			-0.00177	PASS
-10	-3.15	-0.00124	PASS					
0	-2.05	-0.00081	PASS					
10	-2.49	-0.00098	PASS					
20	-2.82	-0.00111	PASS					
30	-3.03	-0.0012	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	-3.10	-0.00122	PASS		
					50	-3.53	-0.00139	PASS		
			HCH	VN	-30	1.32	0.00052	PASS		
					-20	2.73	0.00107	PASS		
					-10	0.54	0.00021	PASS		
					0	1.52	0.00059	PASS		
					10	1.96	0.00076	PASS		
					20	0.11	0.00004	PASS		
					30	2.68	0.00105	PASS		
					40	1.95	0.00076	PASS		
		50	1.67	0.00065	PASS					
					LCH	VN	-30	0.29	0.00012	PASS
							-20	0.57	0.00023	PASS
							-10	2.06	0.00082	PASS
							0	2.16	0.00086	PASS
							10	1.75	0.0007	PASS
							20	3.06	0.00122	PASS
							30	3.71	0.00148	PASS
							40	2.85	0.00114	PASS
							50	2.06	0.00082	PASS
										MCH
		-20	-3.79	-0.0015	PASS					
		-10	-4.62	-0.00182	PASS					
		0	-3.55	-0.0014	PASS					
		10	-3.72	-0.00147	PASS					
		20	-2.88	-0.00114	PASS					
		30	-3.98	-0.00157	PASS					
		40	-1.73	-0.00068	PASS					
		50	-4.95	-0.00195	PASS					
					HCH	VN				
							-20	0.44	0.00017	PASS
							-10	0.67	0.00026	PASS
							0	-0.30	-0.00012	PASS
							10	1.40	0.00055	PASS
							20	0.53	0.00021	PASS
							30	0.62	0.00024	PASS
							40	0.62	0.00024	PASS
							50	-0.51	-0.0002	PASS
							LTE/TM2	5	LCH	VN

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
		10			-20	2.85	0.00114	PASS		
					-10	2.62	0.00105	PASS		
					0	3.05	0.00122	PASS		
					10	0.79	0.00032	PASS		
					20	0.23	0.00009	PASS		
					30	1.46	0.00058	PASS		
					40	1.89	0.00076	PASS		
					50	3.38	0.00135	PASS		
			MCH	VN	-30	-3.81	-0.0015	PASS		
					-20	-1.42	-0.00056	PASS		
					-10	-1.96	-0.00077	PASS		
					0	-4.13	-0.00163	PASS		
					10	-2.26	-0.00089	PASS		
					20	-3.73	-0.00147	PASS		
					30	-2.68	-0.00106	PASS		
					40	-4.05	-0.0016	PASS		
			HCH	VN	-30	2.00	0.00078	PASS		
					-20	-0.60	-0.00023	PASS		
					-10	0.11	0.00004	PASS		
					0	0.27	0.00011	PASS		
					10	1.12	0.00044	PASS		
					20	1.40	0.00055	PASS		
					30	0.69	0.00027	PASS		
					40	0.26	0.0001	PASS		
			10		LCH	VN	-30	-2.66	-0.00106	PASS
							-20	-3.39	-0.00135	PASS
							-10	-2.83	-0.00113	PASS
							0	-2.30	-0.00092	PASS
		10					-2.82	-0.00113	PASS	
		20					-2.73	-0.00109	PASS	
		30					-2.29	-0.00091	PASS	
		40					-2.53	-0.00101	PASS	
		50			-2.52	-0.00101	PASS			
		MCH			VN	-30	-4.33	-0.00171	PASS	
						-20	-1.83	-0.00072	PASS	
						-10	-2.73	-0.00108	PASS	
			0	-5.36		-0.00211	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-2.88	-0.00114	PASS
					20	-4.71	-0.00186	PASS
					30	-3.78	-0.00149	PASS
					40	-2.57	-0.00101	PASS
					50	-2.20	-0.00087	PASS
			HCH	VN	-30	-3.81	-0.00149	PASS
					-20	-5.34	-0.00208	PASS
					-10	-2.70	-0.00105	PASS
					0	-4.33	-0.00169	PASS
					10	-5.01	-0.00195	PASS
					20	-2.57	-0.001	PASS
					30	-3.26	-0.00127	PASS
					40	-4.43	-0.00173	PASS
					50	-3.68	-0.00143	PASS
					LCH	VN	-30	0.97
			-20	0.99			0.00039	PASS
			-10	-1.67			-0.00067	PASS
			0	-0.47			-0.00019	PASS
			10	-0.57			-0.00023	PASS
			20	-0.23			-0.00009	PASS
		30	0.19	0.00008			PASS	
		40	1.06	0.00042			PASS	
		MCH	VN	50	0.92	0.00037	PASS	
				-30	-4.88	-0.00193	PASS	
				-20	-3.39	-0.00134	PASS	
				-10	-5.31	-0.00209	PASS	
				0	-2.92	-0.00115	PASS	
				10	-3.93	-0.00155	PASS	
				20	-3.89	-0.00153	PASS	
				30	-2.82	-0.00111	PASS	
		HCH	VN	40	-1.82	-0.00072	PASS	
				50	-4.33	-0.00171	PASS	
				-30	2.22	0.00087	PASS	
				-20	2.46	0.00096	PASS	
				-10	1.66	0.00065	PASS	
				0	1.44	0.00056	PASS	
				10	0.82	0.00032	PASS	
		20	2.62	0.00102	PASS			
		30	1.39	0.00054	PASS			
		15						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	0.86	0.00034	PASS
					50	2.25	0.00088	PASS
		20	LCH	VN	-30	0.06	0.00002	PASS
					-20	1.59	0.00063	PASS
					-10	1.56	0.00062	PASS
					0	0.80	0.00032	PASS
					10	1.96	0.00078	PASS
					20	2.26	0.0009	PASS
					30	-0.03	-0.00001	PASS
					40	1.37	0.00055	PASS
					50	2.35	0.00094	PASS
					MCH	VN	-30	-4.53
			-20	-4.55			-0.00179	PASS
			-10	-3.13			-0.00123	PASS
			0	-2.65			-0.00105	PASS
			10	-3.81			-0.0015	PASS
			20	-2.98			-0.00118	PASS
			30	-4.28			-0.00169	PASS
			40	-2.25			-0.00089	PASS
			HCH	VN	50	-5.14	-0.00203	PASS
					-30	1.49	0.00058	PASS
					-20	-0.03	-0.00001	PASS
					-10	-1.12	-0.00044	PASS
					0	-0.24	-0.00009	PASS
					10	0.70	0.00027	PASS
					20	-0.34	-0.00013	PASS
		30			1.83	0.00071	PASS	
		40	1.06	0.00041	PASS			
			50	0.72	0.00028	PASS		

END