

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		10	MCH	TN	VL	0.80	0.00096	PASS	
					VN	1.53	0.00183	PASS	
					VH	1.70	0.00203	PASS	
			HCH	TN	VL	-1.57	-0.00185	PASS	
					VN	-1.99	-0.00235	PASS	
					VH	-2.10	-0.00248	PASS	
			LCH	TN	VL	1.60	0.00193	PASS	
					VN	0.90	0.00109	PASS	
					VH	0.86	0.00104	PASS	
		MCH	TN	VL	1.02	0.00122	PASS		
				VN	0.39	0.00047	PASS		
				VH	1.33	0.00159	PASS		
		HCH	TN	VL	-0.80	-0.00095	PASS		
				VN	0.59	0.00007	PASS		
				VH	-0.51	-0.00006	PASS		
		LTE/TM2	1.4	LCH	TN	VL	-1.27	-0.00154	PASS
						VN	-1.00	-0.00121	PASS
						VH	-0.59	-0.00072	PASS
				MCH	TN	VL	3.71	0.00444	PASS
						VN	4.32	0.00516	PASS
						VH	3.68	0.0044	PASS
	HCH			TN	VL	-0.70	-0.00083	PASS	
					VN	-1.13	-0.00133	PASS	
					VH	-2.12	-0.0025	PASS	
	3		LCH	TN	VL	-1.56	-0.00189	PASS	
					VN	-2.75	-0.00333	PASS	
					VH	-1.29	-0.00156	PASS	
			MCH	TN	VL	0.69	0.00082	PASS	
					VN	-0.50	-0.00006	PASS	
					VH	-0.83	-0.00099	PASS	
	HCH		TN	VL	-3.91	-0.00461	PASS		
				VN	-3.38	-0.00399	PASS		
				VH	-2.35	-0.00277	PASS		
	5		LCH	TN	VL	-0.84	-0.00102	PASS	
					VN	-0.44	-0.00053	PASS	
					VH	-0.72	-0.00087	PASS	
		MCH	TN	VL	0.99	0.00118	PASS		
				VN	0.72	0.00086	PASS		
				VH	-0.23	-0.00027	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	HCH	TN	VL	-2.02	-0.00239	PASS
					VN	-2.29	-0.00271	PASS
					VH	-2.78	-0.00328	PASS
			LCH	TN	VL	1.00	0.00121	PASS
					VN	0.80	0.00097	PASS
					VH	0.77	0.00093	PASS
		MCH	TN	VL	1.03	0.00123	PASS	
				VN	0.90	0.00108	PASS	
				VH	0.60	0.00072	PASS	
		HCH	TN	VL	0.62	0.00073	PASS	
				VN	-0.31	-0.00037	PASS	
				VH	-0.39	-0.00046	PASS	

8.3.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	1.4	LCH	VN	-30	0.24	0.00029	PASS
					-20	-0.43	-0.00052	PASS
					-10	-1.70	-0.00206	PASS
					0	0.40	0.00049	PASS
					10	-1.29	-0.00156	PASS
					20	-1.83	-0.00222	PASS
					30	0.76	0.00092	PASS
					40	0.94	0.00114	PASS
					50	0.07	0.00008	PASS
			MCH	VN	-30	3.22	0.00385	PASS
					-20	-0.24	-0.00029	PASS
					-10	1.27	0.00152	PASS
					0	-1.46	-0.00175	PASS
					10	0.74	0.00088	PASS
					20	1.06	0.00127	PASS
					30	1.44	0.00172	PASS
					40	2.09	0.0025	PASS
			HCH	VN	50	1.03	0.00123	PASS
					-30	-3.48	-0.0041	PASS
					-20	-2.99	-0.00352	PASS
					-10	-1.53	-0.0018	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					0	-4.41	-0.0052	PASS					
					10	-4.13	-0.00487	PASS					
					20	-2.00	-0.00236	PASS					
					30	-3.33	-0.00393	PASS					
					40	0.10	0.00012	PASS					
					50	-3.08	-0.00363	PASS					
					LCH	VN	3			-30	-1.63	-0.00197	PASS
										-20	-1.56	-0.00189	PASS
										-10	-1.53	-0.00185	PASS
										0	-0.06	-0.00007	PASS
										10	-2.96	-0.00359	PASS
										20	-1.04	-0.00126	PASS
										30	-0.36	-0.00044	PASS
										40	-2.12	-0.00257	PASS
					50	-3.69		-0.00447	PASS				
		MCH	VN	3				-30	1.86	0.00222	PASS		
								-20	2.96	0.00354	PASS		
								-10	1.76	0.0021	PASS		
								0	2.02	0.00241	PASS		
								10	2.42	0.00289	PASS		
								20	2.27	0.00271	PASS		
							30	0.60	0.00072	PASS			
							40	-0.73	-0.00087	PASS			
		50	-0.06		-0.00007	PASS							
		HCH	VN		3			-30	-1.29	-0.00152	PASS		
								-20	0.53	0.00063	PASS		
								-10	-0.56	-0.00066	PASS		
								0	0.09	0.00011	PASS		
								10	-0.30	-0.00035	PASS		
								20	-0.86	-0.00101	PASS		
				30				1.00	0.00118	PASS			
				40				0.47	0.00055	PASS			
		50	0.43	0.00051		PASS							
		5	LCH					-30	-0.17	-0.00021	PASS		
								-20	-2.03	-0.00246	PASS		
								-10	-1.13	-0.00137	PASS		
								0	-0.74	-0.0009	PASS		
								10	-1.83	-0.00221	PASS		
								20	-1.26	-0.00152	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10			30	-2.33	-0.00282	PASS
					40	-1.32	-0.0016	PASS
					50	-0.47	-0.00057	PASS
			MCH	VN	-30	1.93	0.00231	PASS
					-20	1.95	0.00233	PASS
					-10	1.52	0.00182	PASS
					0	1.17	0.0014	PASS
					10	1.80	0.00215	PASS
					20	1.82	0.00218	PASS
					30	1.33	0.00159	PASS
					40	0.33	0.00039	PASS
					50	-0.47	-0.00056	PASS
					HCH	VN	-30	-2.57
			-20	-3.66			-0.00432	PASS
			-10	-3.05			-0.0036	PASS
			0	-2.27			-0.00268	PASS
			10	-2.56			-0.00302	PASS
			20	-1.03			-0.00122	PASS
			30	-3.60			-0.00425	PASS
			40	-0.47			-0.00056	PASS
			LCH	VN	-30	1.49	0.0018	PASS
					-20	2.19	0.00264	PASS
					-10	0.41	0.00049	PASS
					0	0.74	0.00089	PASS
					10	1.29	0.00156	PASS
					20	0.26	0.00031	PASS
					30	0.80	0.00097	PASS
					40	0.13	0.00016	PASS
					50	1.72	0.00207	PASS
					MCH	VN	-30	0.70
			-20	0.99			0.00118	PASS
			-10	0.90			0.00108	PASS
			0	1.37			0.00164	PASS
			10	0.53			0.00063	PASS
			20	-1.37			-0.00164	PASS
			30	0.47			0.00056	PASS
40	0.74	0.00088	PASS					
50	0.13	0.00016	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	-0.59	-0.0007	PASS
					-20	1.72	0.00204	PASS
					-10	1.43	0.00169	PASS
					0	1.76	0.00209	PASS
					10	-0.01	-0.00001	PASS
					20	0.50	0.00059	PASS
					30	0.96	0.00114	PASS
					40	0.41	0.00049	PASS
					50	0.82	0.00097	PASS
			LCH	VN	-30	-0.49	-0.00059	PASS
					-20	-1.62	-0.00196	PASS
					-10	-1.62	-0.00196	PASS
					0	-1.19	-0.00144	PASS
					10	0.11	0.00013	PASS
					20	0.16	0.00019	PASS
					30	-2.00	-0.00243	PASS
					40	-0.11	-0.00013	PASS
					50	0.66	0.0008	PASS
	MCH	VN	-30	3.50	0.00418	PASS		
			-20	2.65	0.00317	PASS		
			-10	2.73	0.00326	PASS		
			0	3.22	0.00385	PASS		
			10	2.25	0.00269	PASS		
			20	1.07	0.00128	PASS		
			30	0.70	0.00084	PASS		
			40	4.03	0.00482	PASS		
			50	1.42	0.0017	PASS		
	HCH	VN	-30	-2.55	-0.00301	PASS		
			-20	-2.13	-0.00251	PASS		
			-10	-2.83	-0.00334	PASS		
			0	-0.94	-0.00111	PASS		
			10	-3.15	-0.00371	PASS		
			20	-2.88	-0.0034	PASS		
			30	-2.59	-0.00305	PASS		
			40	-2.93	-0.00345	PASS		
			50	-0.57	-0.00067	PASS		
	3	LCH	VN	-30	-2.80	-0.00339	PASS	
				-20	-1.97	-0.00239	PASS	
				-10	-2.93	-0.00355	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
		5			0	-2.68	-0.00325	PASS			
					10	-2.20	-0.00267	PASS			
					20	-1.76	-0.00213	PASS			
					30	-2.63	-0.00319	PASS			
					40	-3.12	-0.00378	PASS			
					50	-2.00	-0.00242	PASS			
			MCH	VN	-30	2.83	0.00338	PASS			
					-20	2.68	0.0032	PASS			
					-10	1.24	0.00148	PASS			
					0	-0.64	-0.00077	PASS			
					10	0.07	0.00008	PASS			
					20	0.89	0.00106	PASS			
					30	1.36	0.00163	PASS			
					40	0.51	0.00061	PASS			
			HCH	VN	-30	-1.77	-0.00209	PASS			
					-20	0.56	0.00066	PASS			
					-10	0.20	0.00024	PASS			
					0	-1.47	-0.00173	PASS			
					10	-1.60	-0.00189	PASS			
					20	-1.04	-0.00123	PASS			
					30	-1.80	-0.00212	PASS			
					40	-1.52	-0.00179	PASS			
			LCH	VN	-30	-1.27	-0.00154	PASS			
					-20	-0.79	-0.00096	PASS			
					-10	-3.26	-0.00394	PASS			
					0	-0.67	-0.00081	PASS			
					10	-1.17	-0.00142	PASS			
					20	-0.41	-0.0005	PASS			
					30	-0.13	-0.00016	PASS			
					40	0.46	0.00056	PASS			
			MCH	VN	50	-1.02	-0.00123	PASS			
					-30	0.43	0.00051	PASS			
					-20	1.43	0.00171	PASS			
					-10	0.56	0.00067	PASS			
					0	0.20	0.00024	PASS			
					10	-0.06	-0.00007	PASS			
								20	0.76	0.00091	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	2.90	0.00347	PASS		
					40	-0.53	-0.00063	PASS		
					50	1.46	0.00175	PASS		
			HCH	VN	-30	-1.26	-0.00149	PASS		
					-20	-2.23	-0.00263	PASS		
					-10	-0.57	-0.00067	PASS		
					0	-1.04	-0.00123	PASS		
					10	-2.49	-0.00294	PASS		
					20	-0.59	-0.0007	PASS		
					30	-2.46	-0.00291	PASS		
					40	-1.50	-0.00177	PASS		
					50	-2.92	-0.00345	PASS		
					LCH	VN	-30	0.99	0.00119	PASS
							-20	0.17	0.00021	PASS
							-10	2.49	0.003	PASS
		0	0.60	0.00072			PASS			
		10	1.89	0.00228			PASS			
		20	0.29	0.00035			PASS			
		30	1.80	0.00217			PASS			
		40	-0.82	-0.00099			PASS			
		50	-0.73	-0.00088			PASS			
		MCH	VN	-30	0.14	0.00017	PASS			
				-20	1.23	0.00147	PASS			
				-10	0.50	0.0006	PASS			
				0	0.76	0.00091	PASS			
				10	-1.27	-0.00152	PASS			
				20	0.16	0.00019	PASS			
				30	-1.00	-0.0012	PASS			
				40	1.33	0.00159	PASS			
				50	-0.54	-0.00065	PASS			
		HCH	VN	-30	-0.17	-0.0002	PASS			
				-20	-1.44	-0.00171	PASS			
				-10	-0.24	-0.00028	PASS			
				0	0.92	0.00109	PASS			
				10	0.62	0.00073	PASS			
				20	0.47	0.00056	PASS			
				30	0.93	0.0011	PASS			
				40	0.59	0.0007	PASS			
				50	0.16	0.00019	PASS			



END