

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-20	-78.55	-0.04113	PASS
				-10	-80.23	-0.04201	PASS
				0	-81.30	-0.04257	PASS
				10	-82.62	-0.04326	PASS
				20	-76.23	-0.03992	PASS
				30	-79.97	-0.04187	PASS
				40	-70.84	-0.03709	PASS
				50	-75.23	-0.03939	PASS

**Battery Mode**

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM850	GSM/TM1	LCH	VN	-30	-20.92	-0.02538	PASS
				-20	-21.50	-0.02609	PASS
				-10	-20.92	-0.02538	PASS
				0	-21.11	-0.02561	PASS
				10	-18.66	-0.02264	PASS
				20	-23.25	-0.02821	PASS
				30	-23.63	-0.02867	PASS
				40	-18.60	-0.02257	PASS
		50	-20.99	-0.02547	PASS		
		MCH	VN	-30	-26.80	-0.03203	PASS
				-20	-26.93	-0.03219	PASS
				-10	-27.38	-0.03273	PASS
				0	-27.44	-0.0328	PASS
				10	-29.06	-0.03474	PASS
				20	-27.89	-0.03334	PASS
				30	-28.15	-0.03365	PASS
				40	-26.93	-0.03219	PASS
		50	-29.57	-0.03535	PASS		
		HCH	VN	-30	-29.77	-0.03507	PASS
				-20	-27.77	-0.03272	PASS
				-10	-31.06	-0.03659	PASS
				0	-31.32	-0.0369	PASS
				10	-28.28	-0.03332	PASS
				20	-27.25	-0.0321	PASS
30	-28.86			-0.034	PASS		
40	-28.22			-0.03325	PASS		
50	-29.70	-0.03499	PASS				

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	GSM/TM2	LCH	VN	-30	-44.97	-0.05456	PASS
				-20	-42.39	-0.05143	PASS
				-10	-48.49	-0.05883	PASS
				0	-45.07	-0.05468	PASS
				10	-47.49	-0.05762	PASS
				20	-49.33	-0.05985	PASS
				30	-46.69	-0.05665	PASS
				40	-44.81	-0.05437	PASS
				50	-41.58	-0.05045	PASS
		MCH	VN	-30	-44.36	-0.05302	PASS
				-20	-47.40	-0.05666	PASS
				-10	-48.72	-0.05824	PASS
				0	-51.04	-0.06101	PASS
				10	-53.59	-0.06406	PASS
				20	-51.17	-0.06116	PASS
				30	-49.69	-0.0594	PASS
				40	-49.04	-0.05862	PASS
				50	-47.52	-0.0568	PASS
		HCH	VN	-30	-48.04	-0.0566	PASS
				-20	-45.98	-0.05417	PASS
				-10	-49.04	-0.05778	PASS
				0	-50.33	-0.0593	PASS
				10	-51.17	-0.06029	PASS
				20	-52.30	-0.06162	PASS
				30	-48.88	-0.05759	PASS
				40	-49.49	-0.05831	PASS
				50	-54.40	-0.06409	PASS
GSM1900	GSM/TM1	LCH	VN	-30	-72.06	-0.03895	PASS
				-20	-79.16	-0.04278	PASS
				-10	-72.58	-0.03923	PASS
				0	-75.23	-0.04066	PASS
				10	-71.87	-0.03884	PASS
				20	-70.71	-0.03822	PASS
				30	-75.10	-0.04059	PASS
				40	-74.06	-0.04003	PASS
				50	-76.97	-0.0416	PASS
		MCH	VN	-30	-90.34	-0.04805	PASS
				-20	-88.33	-0.04698	PASS
				-10	-94.08	-0.05004	PASS
				0	-93.11	-0.04953	PASS



Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				10	-96.66	-0.05141	PASS
				20	-91.05	-0.04843	PASS
				30	-92.85	-0.04939	PASS
				40	-95.11	-0.05059	PASS
				50	-92.72	-0.04932	PASS
		HCH	VN	-30	-93.05	-0.04872	PASS
				-20	-95.24	-0.04987	PASS
				-10	-93.69	-0.04906	PASS
				0	-89.69	-0.04696	PASS
				10	-90.46	-0.04737	PASS
				20	-94.47	-0.04947	PASS
				30	-96.60	-0.05058	PASS
				40	-92.66	-0.04852	PASS
				50	-91.18	-0.04774	PASS
	GSM/TM2	LCH	VN	-30	-93.85	-0.05072	PASS
				-20	-92.21	-0.04984	PASS
				-10	-82.65	-0.04467	PASS
				0	-87.07	-0.04706	PASS
				10	-87.91	-0.04751	PASS
				20	-79.55	-0.043	PASS
				30	-81.52	-0.04406	PASS
				40	-89.04	-0.04812	PASS
				50	-82.04	-0.04434	PASS
		MCH	VN	-30	-97.31	-0.05176	PASS
				-20	-101.22	-0.05384	PASS
				-10	-97.41	-0.05181	PASS
				0	-92.98	-0.04946	PASS
				10	-98.31	-0.05229	PASS
				20	-95.44	-0.05077	PASS
				30	-95.47	-0.05078	PASS
				40	-100.12	-0.05326	PASS
				50	-108.61	-0.05777	PASS
	HCH	VN	-30	-103.96	-0.05444	PASS	
			-20	-104.57	-0.05475	PASS	
			-10	-98.76	-0.05171	PASS	
			0	-99.50	-0.0521	PASS	
10			-101.64	-0.05322	PASS		
20			-96.11	-0.05032	PASS		
30			-112.71	-0.05902	PASS		
40			-107.64	-0.05636	PASS		

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				50	-95.37	-0.04994	PASS

## 8.2 For UMTS

### 8.2.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	TN	VL	-0.81	-0.00098	PASS
				VN	1.72	0.00208	PASS
				VH	-1.94	-0.00235	PASS
		MCH	TN	VL	-0.32	-0.00038	PASS
				VN	-1.43	-0.00171	PASS
				VH	1.98	0.00237	PASS
		HCH	TN	VL	-10.50	-0.0124	PASS
				VN	2.09	0.00247	PASS
				VH	-1.94	-0.00229	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-4.43	-0.00239	PASS
				VN	0.84	0.00045	PASS
				VH	-2.09	-0.00113	PASS
		MCH	TN	VL	-1.69	-0.0009	PASS
				VN	0.29	0.00015	PASS
				VH	1.16	0.00062	PASS
		HCH	TN	VL	-0.08	-0.00004	PASS
				VN	-9.14	-0.00479	PASS
				VH	-4.21	-0.00221	PASS

### 8.2.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	VN	-30	6.42	0.00777	PASS
				-20	2.73	0.0033	PASS
				-10	-3.86	-0.00467	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				0	-0.82	-0.00099	PASS		
				10	-1.43	-0.00173	PASS		
				20	1.69	0.00205	PASS		
				30	-2.33	-0.00282	PASS		
				40	-1.16	-0.0014	PASS		
				50	3.46	0.00419	PASS		
		MCH	VN	-30	-6.04	-0.00722	PASS		
				-20	-1.92	-0.0023	PASS		
				-10	2.43	0.00291	PASS		
				0	0.31	0.00037	PASS		
				10	-0.03	-0.00004	PASS		
				20	-4.33	-0.00518	PASS		
				30	-4.58	-0.00548	PASS		
				40	-0.58	-0.00069	PASS		
		HCH	VN	50	8.16	0.00976	PASS		
				-30	-1.24	-0.00146	PASS		
				-20	-4.71	-0.00556	PASS		
				-10	-3.30	-0.0039	PASS		
				0	1.65	0.00195	PASS		
				10	-1.42	-0.00168	PASS		
				20	-4.71	-0.00556	PASS		
				30	-4.17	-0.00493	PASS		
		WCDMA190 0	UMTS/TM1	LCH	VN	40	2.03	0.0024	PASS
						50	-5.95	-0.00703	PASS
						-30	-6.64	-0.00358	PASS
						-20	3.45	0.00186	PASS
						-10	-2.21	-0.00119	PASS
0	6.42					0.00347	PASS		
10	1.57					0.00085	PASS		
20	1.53					0.00083	PASS		
MCH	VN			30	0.93	0.0005	PASS		
				40	3.10	0.00167	PASS		
				50	1.31	0.00071	PASS		
				-30	5.08	0.0027	PASS		
				-20	-0.84	-0.00045	PASS		
				-10	-2.35	-0.00125	PASS		
				0	4.52	0.0024	PASS		
				10	2.75	0.00146	PASS		
				20	3.95	0.0021	PASS		

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				30	4.97	0.00264	PASS		
				40	-1.97	-0.00105	PASS		
				50	1.40	0.00074	PASS		
		HCH	VN			-30	-2.01	-0.00105	PASS
						-20	-5.62	-0.00295	PASS
						-10	5.49	0.00288	PASS
						0	-0.11	-0.00006	PASS
						10	2.14	0.00112	PASS
						20	-1.66	-0.00087	PASS
						30	-3.77	-0.00198	PASS
						40	1.07	0.00056	PASS
						50	-1.07	-0.00056	PASS

### 8.3 For LTE

#### 8.3.1 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
BAND5	LTE/TM1	5	LCH	TN	VL	2.83	0.00342	PASS
					VN	2.72	0.00329	PASS
					VH	2.20	0.00266	PASS
			MCH	TN	VL	2.07	0.00247	PASS
					VN	3.75	0.00448	PASS
					VH	3.16	0.00378	PASS
		HCH	TN	VL	2.92	0.00345	PASS	
				VN	2.05	0.00242	PASS	
				VH	3.36	0.00397	PASS	
		10	LCH	TN	VL	-0.27	-0.00033	PASS
					VN	-1.03	-0.00124	PASS
					VH	2.75	0.00332	PASS
	MCH		TN	VL	0.93	0.00111	PASS	
				VN	1.96	0.00234	PASS	
				VH	3.12	0.00373	PASS	
	HCH	TN	VL	1.07	0.00127	PASS		
			VN	2.88	0.00341	PASS		
			VH	1.23	0.00146	PASS		
	LTE/TM2	5	LCH	TN	VL	2.66	0.00322	PASS
					VN	2.42	0.00293	PASS
					VH	2.76	0.00334	PASS
			MCH	TN	VL	2.68	0.0032	PASS
					VN	2.53	0.00302	PASS
					VH	2.13	0.00255	PASS
HCH		TN	VL	2.27	0.00268	PASS		
			VN	2.45	0.00289	PASS		
			VH	4.31	0.00509	PASS		
10		LCH	TN	VL	1.26	0.00152	PASS	
				VN	2.27	0.00274	PASS	
				VH	3.10	0.00374	PASS	
	MCH	TN	VL	0.26	0.00031	PASS		
			VN	-0.44	-0.00053	PASS		
			VH	2.62	0.00313	PASS		
HCH	TN	VL	0.29	0.00034	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				VN	0.44	0.00052	PASS	
					VH	4.02	0.00476	PASS	
		5	LCH	TN	VL	5.59	0.00223	PASS	
					VN	1.37	0.00055	PASS	
					VH	0.23	0.00009	PASS	
					VL	3.82	0.00151	PASS	
			MCH	TN	VN	8.88	0.0035	PASS	
					VH	-0.24	-0.00009	PASS	
					VL	12.35	0.00481	PASS	
					VN	9.34	0.00364	PASS	
			HCH	TN	VH	0.41	0.00016	PASS	
					VL	5.12	0.00204	PASS	
					VN	1.37	0.00055	PASS	
					VH	2.45	0.00098	PASS	
		10	LCH	TN	VL	1.22	0.00048	PASS	
					VN	3.19	0.00126	PASS	
					VH	2.20	0.00087	PASS	
					VL	-0.10	-0.00004	PASS	
			MCH	TN	VN	7.71	0.00301	PASS	
					VH	5.94	0.00232	PASS	
					VL	5.54	0.00221	PASS	
					VN	-5.41	-0.00216	PASS	
			HCH	TN	VH	2.13	0.00085	PASS	
					VL	1.12	0.00044	PASS	
					VN	3.53	0.00139	PASS	
					VH	-0.44	-0.00017	PASS	
		15	LCH	TN	VL	-0.27	-0.00011	PASS	
					VN	1.42	0.00055	PASS	
					VH	6.35	0.00248	PASS	
					VL	2.09	0.00083	PASS	
			MCH	TN	VN	6.87	0.00274	PASS	
					VH	3.22	0.00128	PASS	
					VL	2.42	0.00095	PASS	
					VN	4.22	0.00166	PASS	
			HCH	TN	VH	3.59	0.00142	PASS	
					VL	2.09	0.00082	PASS	
					VN	2.75	0.00107	PASS	
					VH	0.21	0.00008	PASS	
		20	LCH	TN	VL	1.82	0.00073	PASS	
					VN	1.82	0.00073	PASS	
		LTE/TM2	5	LCH	TN	VL	1.82	0.00073	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	1.22	0.00049	PASS		
					VH	6.65	0.00266	PASS		
					MCH	TN	VL	2.05	0.00081	PASS
							VN	2.82	0.00111	PASS
					VH		VN	2.82	0.00111	PASS
							VH	7.31	0.00288	PASS
			HCH	TN	VL	1.99	0.00078	PASS		
					VN	6.17	0.0024	PASS		
					VH	0.00	0	PASS		
					LCH	TN	VL	6.12	0.00244	PASS
							VN	4.72	0.00188	PASS
							VH	5.98	0.00239	PASS
		MCH	TN	VL	5.76	0.00227	PASS			
				VN	3.93	0.00155	PASS			
				VH	2.33	0.00092	PASS			
				HCH	TN	VL	3.78	0.00147	PASS	
						VN	3.02	0.00118	PASS	
						VH	0.49	0.00019	PASS	
		15	LCH	TN	VL	2.46	0.00098	PASS		
					VN	5.89	0.00235	PASS		
					VH	3.33	0.00133	PASS		
			MCH	TN	VL	1.19	0.00047	PASS		
					VN	2.73	0.00108	PASS		
					VH	4.56	0.0018	PASS		
			HCH	TN	VL	2.36	0.00092	PASS		
					VN	0.03	0.00001	PASS		
					VH	4.88	0.0019	PASS		
		20	LCH	TN	VL	0.93	0.00037	PASS		
					VN	3.52	0.0014	PASS		
					VH	-4.16	-0.00166	PASS		
			MCH	TN	VL	3.60	0.00142	PASS		
					VN	0.21	0.00008	PASS		
					VH	1.72	0.00068	PASS		
			HCH	TN	VL	1.24	0.00048	PASS		
					VN	6.08	0.00237	PASS		
					VH	3.15	0.00123	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
BAND5	LTE/TM1	5	LCH	VN	-30	2.52	0.00305	PASS
					-20	2.92	0.00353	PASS
					-10	2.19	0.00265	PASS
					0	1.14	0.00138	PASS
					10	4.18	0.00506	PASS
					20	2.80	0.00339	PASS
					30	4.25	0.00514	PASS
					40	3.72	0.0045	PASS
					50	5.14	0.00622	PASS
			MCH	VN	-30	2.10	0.00251	PASS
					-20	3.75	0.00448	PASS
					-10	4.63	0.00553	PASS
					0	2.78	0.00332	PASS
					10	1.79	0.00214	PASS
					20	3.75	0.00448	PASS
					30	2.55	0.00305	PASS
					40	2.62	0.00313	PASS
					50	3.73	0.00446	PASS
			HCH	VN	-30	4.15	0.0049	PASS
					-20	0.21	0.00025	PASS
					-10	0.16	0.00019	PASS
					0	3.98	0.0047	PASS
					10	3.58	0.00423	PASS
					20	2.92	0.00345	PASS
		30			3.08	0.00364	PASS	
		40			2.33	0.00275	PASS	
		50			5.01	0.00592	PASS	
		10	LCH	VN	-30	4.49	0.00542	PASS
					-20	1.16	0.0014	PASS
					-10	1.12	0.00135	PASS
					0	2.13	0.00257	PASS
					10	0.76	0.00092	PASS
					20	4.05	0.00489	PASS
					30	2.52	0.00304	PASS
					40	-0.40	-0.00048	PASS
					50	3.36	0.00405	PASS
MCH	VN		-30	0.40	0.00048	PASS		
			-20	1.07	0.00128	PASS		
			-10	3.65	0.00436	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	2.07	0.00247	PASS
					10	2.98	0.00356	PASS
					20	1.24	0.00148	PASS
					30	0.86	0.00103	PASS
					40	0.10	0.00012	PASS
					50	2.55	0.00305	PASS
			HCH	VN	-30	2.07	0.00245	PASS
					-20	2.82	0.00334	PASS
					-10	2.59	0.00307	PASS
					0	3.20	0.00379	PASS
					10	3.36	0.00398	PASS
					20	1.13	0.00134	PASS
					30	0.56	0.00066	PASS
					40	0.40	0.00047	PASS
	50	-0.04	-0.00005	PASS				
	LCH	VN	-30	-0.64	-0.00077	PASS		
			-20	3.85	0.00466	PASS		
			-10	4.29	0.00519	PASS		
			0	3.88	0.00469	PASS		
			10	2.95	0.00357	PASS		
			20	0.96	0.00116	PASS		
			30	4.43	0.00536	PASS		
			40	2.26	0.00273	PASS		
			50	3.23	0.00391	PASS		
			MCH	VN	-30	3.20	0.00383	PASS
					-20	2.66	0.00318	PASS
					-10	3.02	0.00361	PASS
					0	3.72	0.00445	PASS
					10	1.92	0.0023	PASS
					20	1.57	0.00188	PASS
					30	3.33	0.00398	PASS
	40	3.58			0.00428	PASS		
	50	3.33	0.00398	PASS				
	HCH	VN	-30	1.82	0.00215	PASS		
			-20	2.00	0.00236	PASS		
			-10	5.78	0.00683	PASS		
			0	3.16	0.00373	PASS		
			10	1.49	0.00176	PASS		
			20	3.48	0.00411	PASS		



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	0.80	0.00095	PASS
					40	2.05	0.00242	PASS
					50	1.34	0.00158	PASS
					-30	1.85	0.00223	PASS
					-20	2.09	0.00252	PASS
			-10	2.95	0.00356	PASS		
			0	0.64	0.00077	PASS		
			10	2.22	0.00268	PASS		
			20	0.31	0.00037	PASS		
			30	-0.60	-0.00072	PASS		
			40	3.03	0.00366	PASS		
			50	6.09	0.00735	PASS		
			-30	4.29	0.00513	PASS		
			-20	1.39	0.00166	PASS		
			-10	1.42	0.0017	PASS		
		0	0.43	0.00051	PASS			
		10	-0.04	-0.00005	PASS			
		20	1.56	0.00186	PASS			
		30	1.76	0.0021	PASS			
		40	1.30	0.00155	PASS			
		50	0.83	0.00099	PASS			
		-30	1.62	0.00192	PASS			
		-20	3.50	0.00415	PASS			
		-10	5.26	0.00623	PASS			
		0	1.93	0.00229	PASS			
		10	-1.06	-0.00126	PASS			
		20	3.72	0.00441	PASS			
		30	1.86	0.0022	PASS			
		40	2.46	0.00291	PASS			
		50	0.83	0.00098	PASS			
BAND7	LTE/TM1	5	LCH	VN	-30	3.96	0.00158	PASS
					-20	4.28	0.00171	PASS
					-10	6.01	0.0024	PASS
					0	9.26	0.0037	PASS
					10	8.48	0.00339	PASS
					20	2.36	0.00094	PASS
					30	1.49	0.0006	PASS
					40	7.90	0.00316	PASS
					50	1.82	0.00073	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	8.10	0.0032	PASS
					-20	6.08	0.0024	PASS
					-10	6.12	0.00241	PASS
					0	5.06	0.002	PASS
					10	3.23	0.00127	PASS
					20	4.56	0.0018	PASS
					30	3.05	0.0012	PASS
					40	5.78	0.00228	PASS
					50	2.68	0.00106	PASS
			HCH	VN	-30	3.13	0.00122	PASS
					-20	3.38	0.00132	PASS
					-10	3.05	0.00119	PASS
					0	5.98	0.00233	PASS
					10	6.52	0.00254	PASS
					20	4.65	0.00181	PASS
					30	-2.80	-0.00109	PASS
					40	2.43	0.00095	PASS
					50	4.35	0.00169	PASS
		10	LCH	VN	-30	-0.72	-0.00029	PASS
					-20	9.66	0.00386	PASS
					-10	3.78	0.00151	PASS
					0	3.62	0.00145	PASS
					10	3.85	0.00154	PASS
					20	3.23	0.00129	PASS
					30	2.53	0.00101	PASS
					40	3.13	0.00125	PASS
					50	6.94	0.00277	PASS
			MCH	VN	-30	-3.85	-0.00152	PASS
					-20	2.96	0.00117	PASS
					-10	5.68	0.00224	PASS
					0	1.89	0.00075	PASS
					10	-0.10	-0.00004	PASS
					20	5.84	0.0023	PASS
					30	-1.12	-0.00044	PASS
					40	-1.02	-0.0004	PASS
					50	3.15	0.00124	PASS
HCH	VN	-30	3.50	0.00136	PASS			
		-20	1.53	0.0006	PASS			
		-10	2.99	0.00117	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	5.59	0.00218	PASS		
					10	-3.55	-0.00138	PASS		
					20	2.42	0.00094	PASS		
					30	5.41	0.00211	PASS		
					40	1.95	0.00076	PASS		
					50	-1.99	-0.00078	PASS		
		15	LCH	VN	-30	2.52	0.001	PASS		
					-20	-0.43	-0.00017	PASS		
					-10	4.94	0.00197	PASS		
					0	-0.53	-0.00021	PASS		
					10	-0.40	-0.00016	PASS		
					20	3.42	0.00136	PASS		
					30	0.84	0.00033	PASS		
					40	0.43	0.00017	PASS		
					50	1.29	0.00051	PASS		
					MCH	VN	-30	-0.53	-0.00021	PASS
							-20	3.28	0.00129	PASS
							-10	0.89	0.00035	PASS
							0	0.34	0.00013	PASS
							10	1.76	0.00069	PASS
							20	4.03	0.00159	PASS
							30	4.36	0.00172	PASS
							40	0.07	0.00003	PASS
							50	1.06	0.00042	PASS
		HCH	VN	-30	-3.63	-0.00142	PASS			
				-20	4.06	0.00158	PASS			
				-10	1.19	0.00046	PASS			
				0	0.24	0.00009	PASS			
				10	2.23	0.00087	PASS			
				20	4.42	0.00172	PASS			
				30	-1.02	-0.0004	PASS			
				40	-1.40	-0.00055	PASS			
				50	0.86	0.00034	PASS			
20	LCH	VN	-30	-0.20	-0.00008	PASS				
			-20	2.25	0.0009	PASS				
			-10	5.84	0.00233	PASS				
			0	-0.50	-0.0002	PASS				
			10	0.29	0.00012	PASS				
			20	1.34	0.00053	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					30	-0.14	-0.00006	PASS	
					40	0.17	0.00007	PASS	
					50	2.30	0.00092	PASS	
			MCH	VN	-30	4.35	0.00172	PASS	
					-20	1.06	0.00042	PASS	
					-10	1.33	0.00052	PASS	
					0	3.39	0.00134	PASS	
					10	-1.27	-0.0005	PASS	
					20	3.43	0.00135	PASS	
					30	-1.27	-0.0005	PASS	
					40	-1.53	-0.0006	PASS	
					50	3.69	0.00146	PASS	
			HCH	VN	-30	1.03	0.0004	PASS	
					-20	-3.28	-0.00128	PASS	
					-10	3.53	0.00138	PASS	
					0	2.98	0.00116	PASS	
					10	-4.05	-0.00158	PASS	
					20	0.92	0.00036	PASS	
					30	3.86	0.00151	PASS	
					40	0.10	0.00004	PASS	
			50	7.04	0.00275	PASS			
	LCH	VN	-30	8.00	0.0032	PASS			
			-20	6.38	0.00255	PASS			
			-10	8.24	0.00329	PASS			
			0	5.92	0.00237	PASS			
			10	6.27	0.00251	PASS			
			20	1.72	0.00069	PASS			
			30	1.22	0.00049	PASS			
			40	3.85	0.00154	PASS			
			50	3.22	0.00129	PASS			
			MCH	VN	-30	2.30	0.00091	PASS	
	-20	4.58			0.00181	PASS			
	-10	-0.56			-0.00022	PASS			
	0	5.68			0.00224	PASS			
	10	3.48			0.00137	PASS			
	20	5.56			0.00219	PASS			
	30	1.80			0.00071	PASS			
	40	3.56			0.0014	PASS			
	50	3.81	0.0015	PASS					
	LTE/TM2	5				-30	8.00	0.0032	PASS
						-20	6.38	0.00255	PASS
						-10	8.24	0.00329	PASS
0						5.92	0.00237	PASS	
10						6.27	0.00251	PASS	
20						1.72	0.00069	PASS	
30						1.22	0.00049	PASS	
40						3.85	0.00154	PASS	
50						3.22	0.00129	PASS	
-30						2.30	0.00091	PASS	
-20						4.58	0.00181	PASS	
-10	-0.56	-0.00022	PASS						
0	5.68	0.00224	PASS						
10	3.48	0.00137	PASS						
20	5.56	0.00219	PASS						
30	1.80	0.00071	PASS						
40	3.56	0.0014	PASS						
50	3.81	0.0015	PASS						

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	HCH	VN	-30	0.11	0.00004	PASS
					-20	-0.50	-0.00019	PASS
					-10	-0.63	-0.00025	PASS
					0	1.85	0.00072	PASS
					10	4.19	0.00163	PASS
					20	1.50	0.00058	PASS
					30	6.79	0.00264	PASS
					40	8.97	0.00349	PASS
			50	2.86	0.00111	PASS		
			LCH	VN	-30	3.92	0.00156	PASS
					-20	4.94	0.00197	PASS
					-10	-0.07	-0.00003	PASS
					0	1.13	0.00045	PASS
					10	2.45	0.00098	PASS
					20	2.55	0.00102	PASS
					30	1.13	0.00045	PASS
		40			-1.16	-0.00046	PASS	
		50	2.85	0.00114	PASS			
		MCH	VN	-30	4.21	0.00166	PASS	
				-20	-5.38	-0.00212	PASS	
				-10	-2.53	-0.001	PASS	
				0	1.09	0.00043	PASS	
				10	4.69	0.00185	PASS	
				20	2.55	0.00101	PASS	
				30	3.23	0.00127	PASS	
				40	1.89	0.00075	PASS	
		50	1.47	0.00058	PASS			
		HCH	VN	-30	-0.01	0	PASS	
				-20	2.43	0.00095	PASS	
				-10	3.55	0.00138	PASS	
				0	-2.17	-0.00085	PASS	
				10	-1.06	-0.00041	PASS	
				20	4.41	0.00172	PASS	
				30	-1.02	-0.0004	PASS	
				40	-0.47	-0.00018	PASS	
		50	7.52	0.00293	PASS			
		15	LCH	VN	-30	1.16	0.00046	PASS
					-20	2.00	0.0008	PASS
					-10	1.92	0.00077	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
					0	-0.26	-0.0001	PASS				
					10	0.72	0.00029	PASS				
					20	0.99	0.00039	PASS				
					30	2.02	0.00081	PASS				
					40	-0.73	-0.00029	PASS				
					50	5.68	0.00227	PASS				
			MCH	VN				-30	2.72	0.00107	PASS	
								-20	-3.28	-0.00129	PASS	
								-10	-3.88	-0.00153	PASS	
								0	-2.22	-0.00088	PASS	
								10	1.16	0.00046	PASS	
								20	2.85	0.00112	PASS	
								30	0.74	0.00029	PASS	
								40	0.37	0.00015	PASS	
			50	0.66		0.00026	PASS					
			HCH	VN					-30	-2.75	-0.00107	PASS
									-20	9.46	0.00369	PASS
									-10	-6.27	-0.00245	PASS
									0	1.82	0.00071	PASS
									10	2.42	0.00094	PASS
									20	1.12	0.00044	PASS
		30							-1.20	-0.00047	PASS	
		40							0.04	0.00002	PASS	
		50	-1.67	-0.00065			PASS					
		LCH	VN						-30	7.08	0.00282	PASS
									-20	4.35	0.00173	PASS
									-10	-0.27	-0.00011	PASS
					0				5.95	0.00237	PASS	
					10				0.20	0.00008	PASS	
					20				3.30	0.00131	PASS	
					30				1.22	0.00049	PASS	
					40				-1.42	-0.00057	PASS	
					50				-1.43	-0.00057	PASS	
					MCH				VN			
		-20	3.81				0.0015	PASS				
		-10	4.45				0.00176	PASS				
		0	-3.49			-0.00138	PASS					
		10	0.84			0.00033	PASS					
		20	0.27			0.00011	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	3.60	0.00142	PASS
					40	0.62	0.00024	PASS
					50	2.20	0.00087	PASS
			HCH	VN	-30	1.39	0.00054	PASS
					-20	3.65	0.00143	PASS
					-10	-2.05	-0.0008	PASS
					0	0.04	0.00002	PASS
					10	-2.23	-0.00087	PASS
					20	-1.86	-0.00073	PASS
					30	3.91	0.00153	PASS
					40	0.14	0.00005	PASS
					50	0.41	0.00016	PASS

END