



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-4.28	-.00169	PASS
					20	-0.60	-.00024	PASS
					30	7.41	.00292	PASS
					40	1.23	.00049	PASS
					50	10.47	.00413	PASS
			HCH	VN	-30	1.27	.0005	PASS
					-20	3.65	.00142	PASS
					-10	4.12	.00161	PASS
					0	5.94	.00232	PASS
					10	-17.70	-.0069	PASS
					20	-15.08	-.00588	PASS
					30	-5.98	-.00233	PASS
					40	-16.21	-.00632	PASS
					50	-17.07	-.00665	PASS
					LCH	VN	-30	-1.93
	-20	-0.11	-.00004	PASS				
	-10	-19.07	-.00762	PASS				
	0	-23.53	-.0094	PASS				
	10	-4.69	-.00187	PASS				
	20	-8.83	-.00353	PASS				
	30	-14.12	-.00564	PASS				
	40	-14.06	-.00562	PASS				
	50	-17.97	-.00718	PASS				
	MCH	VN	-30	-10.73			-.00423	PASS
			-20	-13.26			-.00523	PASS
			-10	-9.13			-.0036	PASS
			0	-16.41			-.00647	PASS
			10	-12.10			-.00477	PASS
			20	-20.21			-.00797	PASS
			30	-16.09	-.00635	PASS		
40			-9.13	-.0036	PASS			
HCH	VN	50	-2.47	-.00097	PASS			
		-30	-10.31	-.00402	PASS			
		-20	-14.51	-.00565	PASS			
		-10	-13.38	-.00521	PASS			
		0	-12.09	-.00471	PASS			
		10	-1.95	-.00076	PASS			
		20	-21.59	-.00841	PASS			
30	-9.84	-.00383	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	10.14	.00395	PASS
					50	-14.49	-.00564	PASS
		10	LCH	VN	-30	-19.27	-.00769	PASS
					-20	-3.12	-.00125	PASS
					-10	-13.55	-.00541	PASS
					0	-16.24	-.00648	PASS
					10	-14.41	-.00575	PASS
					20	-12.90	-.00515	PASS
					30	-1.62	-.00065	PASS
					40	-7.71	-.00308	PASS
					50	-4.65	-.00186	PASS
			MCH	VN	-30	-5.04	-.00199	PASS
					-20	-7.18	-.00283	PASS
					-10	-3.60	-.00142	PASS
					0	-7.14	-.00282	PASS
					10	1.97	.00078	PASS
					20	-2.93	-.00116	PASS
					30	-8.93	-.00352	PASS
					40	-0.10	-.00004	PASS
					50	-2.50	-.00099	PASS
		HCH	VN	-30	-0.79	-.00031	PASS	
				-20	0.33	.00013	PASS	
				-10	-1.56	-.00061	PASS	
				0	-11.13	-.00434	PASS	
				10	0.67	.00026	PASS	
				20	1.54	.0006	PASS	
				30	-2.70	-.00105	PASS	
				40	3.93	.00153	PASS	
				50	14.32	.00558	PASS	
		BAND13	LTE/TM1	5	LCH	VN	-30	7.22
-20	-9.74						-.0125	PASS
-10	10.64						.01365	PASS
0	-5.46						-.007	PASS
10	-0.97						-.00124	PASS
20	3.95						.00507	PASS
30	10.77						.01382	PASS
40	11.87						.01523	PASS
50	16.02						.02055	PASS
MCH	VN				-30	-2.45	-.00313	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	-0.60	-.00077	PASS		
					-10	12.30	.01573	PASS		
					0	11.40	.01458	PASS		
					10	-11.12	-.01422	PASS		
					20	4.65	.00595	PASS		
					30	-6.22	-.00795	PASS		
					40	10.87	.0139	PASS		
					50	-0.80	-.00102	PASS		
			HCH	VN	-30	9.04	.01152	PASS		
					-20	14.91	.01901	PASS		
					-10	12.03	.01533	PASS		
					0	8.28	.01055	PASS		
					10	6.87	.00876	PASS		
					20	3.63	.00463	PASS		
					30	12.77	.01628	PASS		
					40	5.87	.00748	PASS		
		LCH	VN	-30	8.73	.01116	PASS			
				-20	-18.41	-.02354	PASS			
				-10	-12.79	-.01636	PASS			
				0	-1.53	-.00196	PASS			
				10	-0.54	-.00069	PASS			
				20	1.00	.00128	PASS			
				30	3.83	.0049	PASS			
				40	-3.02	-.00386	PASS			
		MCH	VN	-30	13.56	.01734	PASS			
				-20	-13.38	-.01711	PASS			
				-10	-8.70	-.01113	PASS			
				0	-11.57	-.0148	PASS			
				10	-7.02	-.00898	PASS			
				20	-2.75	-.00352	PASS			
				30	-3.25	-.00416	PASS			
				40	-5.55	-.0071	PASS			
		HCH	VN	-30	1.50	.00192	PASS			
				-20	-8.04	-.01028	PASS			
				-10	-18.55	-.02372	PASS			
				0	2.75	.00352	PASS			
		10					-30	8.73	.01116	PASS
							-20	-18.41	-.02354	PASS
							-10	-12.79	-.01636	PASS
							0	-1.53	-.00196	PASS
10	-0.54						-.00069	PASS		
20	1.00						.00128	PASS		
30	3.83						.0049	PASS		
40	-3.02						-.00386	PASS		
							-30	13.56	.01734	PASS
							-20	-13.38	-.01711	PASS
							-10	-8.70	-.01113	PASS
							0	-11.57	-.0148	PASS
							10	-7.02	-.00898	PASS
							20	-2.75	-.00352	PASS
							30	-3.25	-.00416	PASS
							40	-5.55	-.0071	PASS
					-30	1.50	.00192	PASS		
					-20	-8.04	-.01028	PASS		
					-10	-18.55	-.02372	PASS		
					0	2.75	.00352	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
	LTE/TM2	5	LCH	VN	10	-16.81	-.0215	PASS	
					20	-10.81	-.01382	PASS	
					30	-1.36	-.00174	PASS	
					40	-3.36	-.0043	PASS	
					50	-4.65	-.00595	PASS	
			MCH	VN	-30	-4.76	-.00611	PASS	
					-20	17.38	.0223	PASS	
					-10	19.31	.02477	PASS	
					0	3.65	.00468	PASS	
					10	6.05	.00776	PASS	
					20	-7.88	-.01011	PASS	
					30	14.98	.01922	PASS	
					40	23.13	.02967	PASS	
			HCH	VN	50	2.35	.00301	PASS	
					-30	-10.07	-.01288	PASS	
	-20	3.35			.00428	PASS			
	-10	9.57			.01224	PASS			
	0	-8.21			-.0105	PASS			
	10	-11.09			-.01418	PASS			
	20	10.11			.01293	PASS			
	30	5.11			.00653	PASS			
	10	LCH	VN	40	11.89	.0152	PASS		
				50	2.47	.00316	PASS		
				-30	11.82	.01507	PASS		
				-20	6.14	.00783	PASS		
				-10	-6.08	-.00775	PASS		
				0	12.96	.01652	PASS		
				10	14.91	.01901	PASS		
				20	-2.05	-.00261	PASS		
				30	3.59	.00458	PASS		
				40	9.23	.01177	PASS		
						50	17.51	.02232	PASS
						-30	-2.23	-.00285	PASS
-20						-8.40	-.01074	PASS	
-10						-1.60	-.00205	PASS	
0						0.41	.00052	PASS	
10						0.57	.00073	PASS	
20						3.52	.0045	PASS	
30	14.63	.01871	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	6.25	.00799	PASS
					50	2.03	.0026	PASS
			MCH	VN	-30	3.63	.00464	PASS
					-20	-0.49	-.00063	PASS
					-10	11.03	.0141	PASS
					0	8.93	.01142	PASS
					10	-3.20	-.00409	PASS
					20	-2.17	-.00277	PASS
					30	8.51	.01088	PASS
					40	0.54	.00069	PASS
					50	6.95	.00889	PASS
					HCH	VN	-30	8.10
			-20	-10.73			-.01372	PASS
			-10	2.32			.00297	PASS
			0	7.74			.0099	PASS
			10	2.66			.0034	PASS
			20	10.20			.01304	PASS
			30	-1.87			-.00239	PASS
			40	0.89			.00114	PASS
			BAND17	LTE/TM1	5	LCH	VN	-30
-20	13.73	.01943						PASS
-10	6.35	.00899						PASS
0	5.32	.00753						PASS
10	0.43	.00061						PASS
20	-5.02	-.00711						PASS
30	3.86	.00546						PASS
40	19.51	.02762						PASS
50	8.61	.01219						PASS
MCH	VN	-30						4.82
		-20				12.59	.01773	PASS
		-10				-3.99	-.00562	PASS
		0				9.73	.0137	PASS
		10				-1.89	-.00266	PASS
		20				13.98	.01969	PASS
		30				3.81	.00537	PASS
		40				7.74	.0109	PASS
		50				8.96	.01262	PASS
HCH	VN	-30				12.32	.01727	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict							
					-20	2.83	.00397	PASS							
					-10	10.10	.01416	PASS							
					0	11.97	.01678	PASS							
					10	14.25	.01997	PASS							
					20	-6.79	-.00952	PASS							
					30	23.00	.03224	PASS							
					40	2.17	.00304	PASS							
					50	11.96	.01676	PASS							
		LCH	VN	10	LCH	VN	-30	0.73	.00103	PASS					
							-20	4.33	.00611	PASS					
							-10	0.16	.00023	PASS					
							0	10.91	.01539	PASS					
							10	8.74	.01233	PASS					
							20	5.16	.00728	PASS					
							30	7.90	.01114	PASS					
							40	3.98	.00561	PASS					
							50	3.49	.00492	PASS					
							MCH	VN	10	MCH	VN	-30	3.86	.00544	PASS
												-20	12.40	.01746	PASS
												-10	13.26	.01868	PASS
		0	4.29	.00604	PASS										
		10	4.72	.00665	PASS										
		20	0.69	.00097	PASS										
		30	-0.19	-.00027	PASS										
		40	7.30	.01028	PASS										
		HCH	VN	10	HCH	VN	-30	5.15	.00724	PASS					
							-20	6.34	.00892	PASS					
							-10	-2.82	-.00397	PASS					
							0	6.02	.00847	PASS					
							10	-2.00	-.00281	PASS					
							20	7.25	.0102	PASS					
							30	6.01	.00845	PASS					
	40						13.45	.01892	PASS						
	50	4.63	.00651	PASS											
	LTE/TM2	5	LCH	VN	VN	-30	-2.69	-.00381	PASS						
						-20	2.56	.00362	PASS						
						-10	10.19	.01442	PASS						
						0	6.45	.00913	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		10			10	13.50	.01911	PASS	
					20	8.74	.01237	PASS	
					30	3.68	.00521	PASS	
					40	-3.63	-.00514	PASS	
					50	15.99	.02263	PASS	
			MCH	VN	-30	8.05	.01134	PASS	
					-20	-1.24	-.00175	PASS	
					-10	13.65	.01923	PASS	
					0	0.56	.00079	PASS	
					10	1.09	.00154	PASS	
					20	8.24	.01161	PASS	
					30	9.71	.01368	PASS	
					40	14.61	.02058	PASS	
					50	3.72	.00524	PASS	
			HCH	VN	-30	2.05	.00287	PASS	
					-20	7.52	.01054	PASS	
					-10	-9.03	-.01266	PASS	
					0	10.96	.01536	PASS	
					10	10.14	.01421	PASS	
					20	10.79	.01512	PASS	
					30	15.09	.02115	PASS	
					40	8.28	.0116	PASS	
			50	1.43	.002	PASS			
			LCH	VN	-30	4.06	.00573	PASS	
		-20			9.11	.01285	PASS		
		-10			9.76	.01377	PASS		
		0			4.43	.00625	PASS		
		10			3.96	.00559	PASS		
		20			-1.14	-.00161	PASS		
		30			6.65	.00938	PASS		
		40			10.43	.01471	PASS		
		50			11.67	.01646	PASS		
		MCH			VN	-30	9.78	.01377	PASS
						-20	3.05	.0043	PASS
						-10	-1.56	-.0022	PASS
			0	2.83		.00399	PASS		
10	12.42		.01749	PASS					
20	2.12		.00299	PASS					
30	11.50		.0162	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	9.41	.01325	PASS
					50	6.72	.00946	PASS
			HCH	VN	-30	4.98	.007	PASS
					-20	-2.12	-.00298	PASS
					-10	8.65	.01217	PASS
					0	-0.33	-.00046	PASS
					10	2.96	.00416	PASS
					20	8.90	.01252	PASS
					30	7.88	.01108	PASS
					40	3.48	.00489	PASS
					50	0.96	.00135	PASS

END