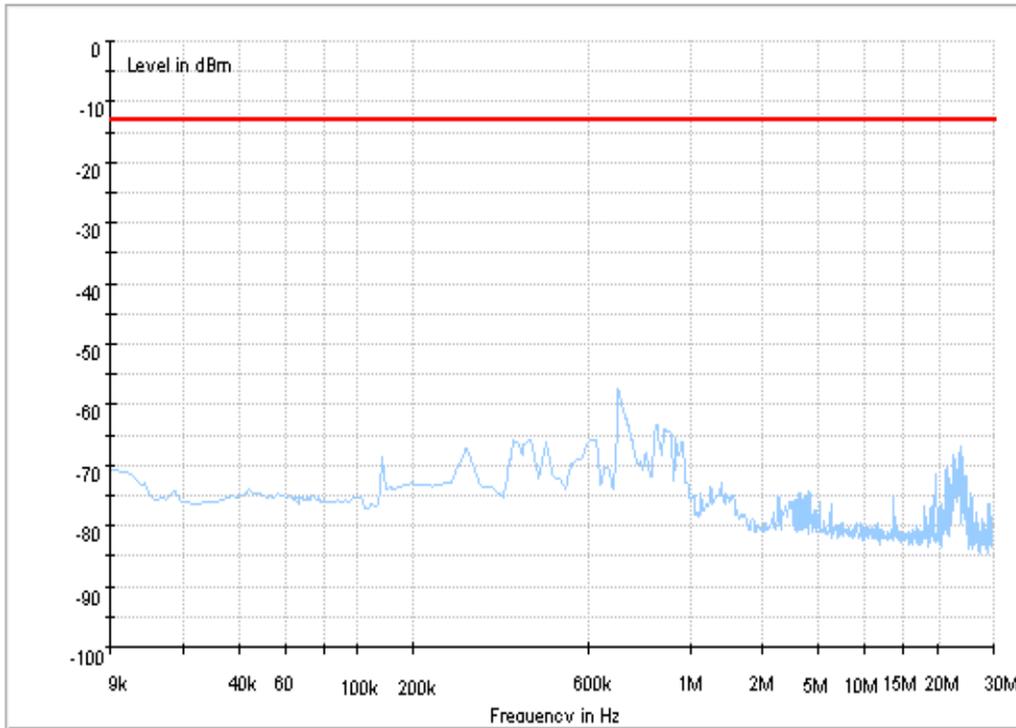
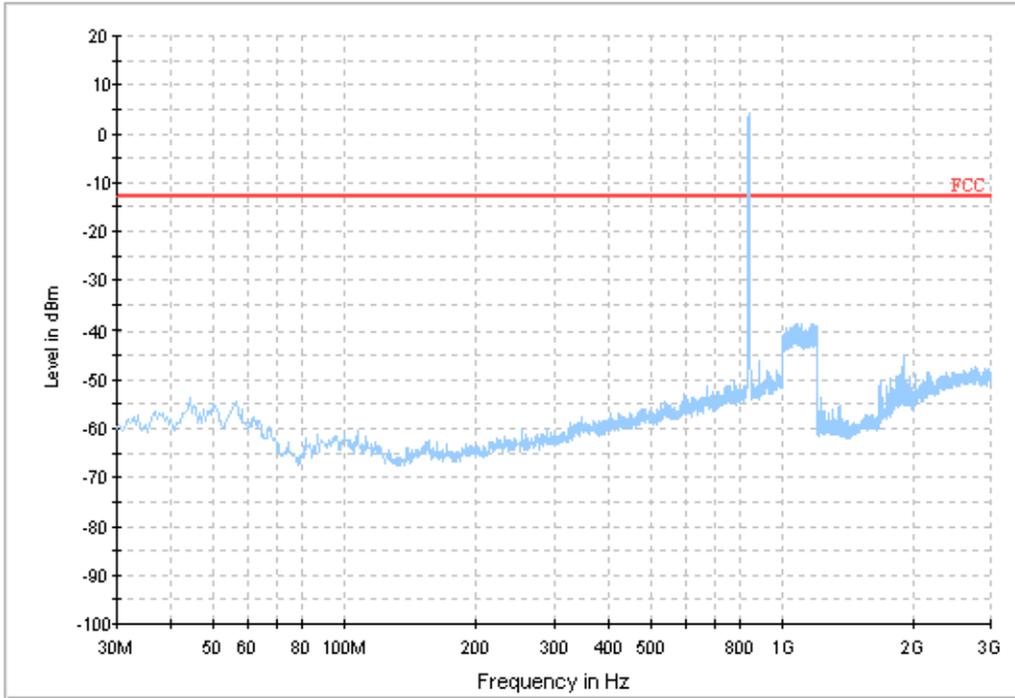


7.3.4 Test Band = BAND5

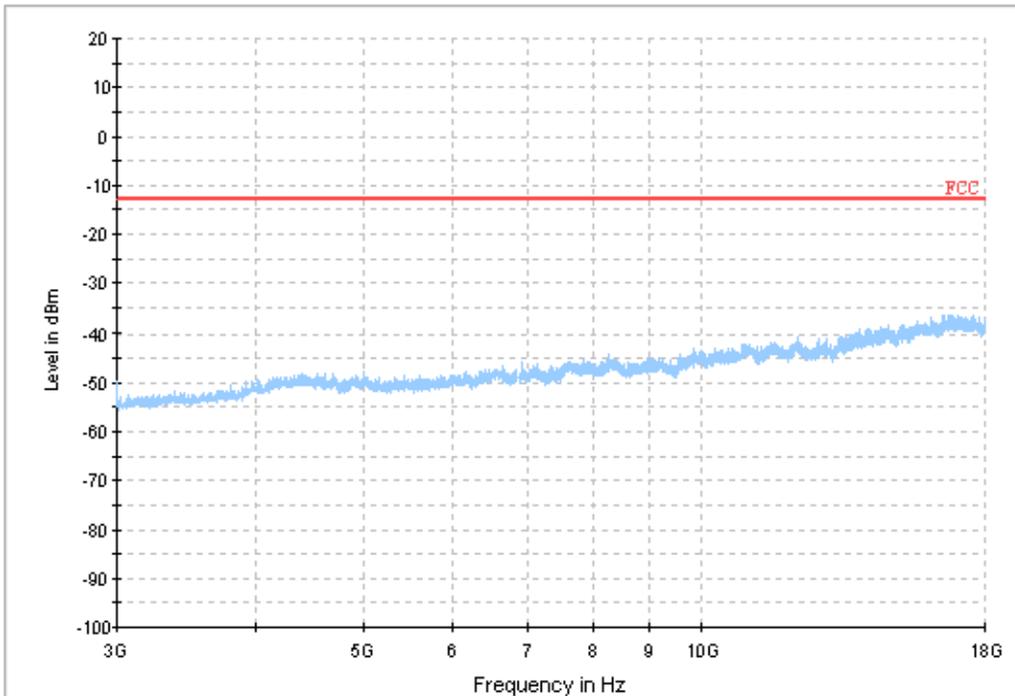
7.3.4.1 Test Bandwidth = 5



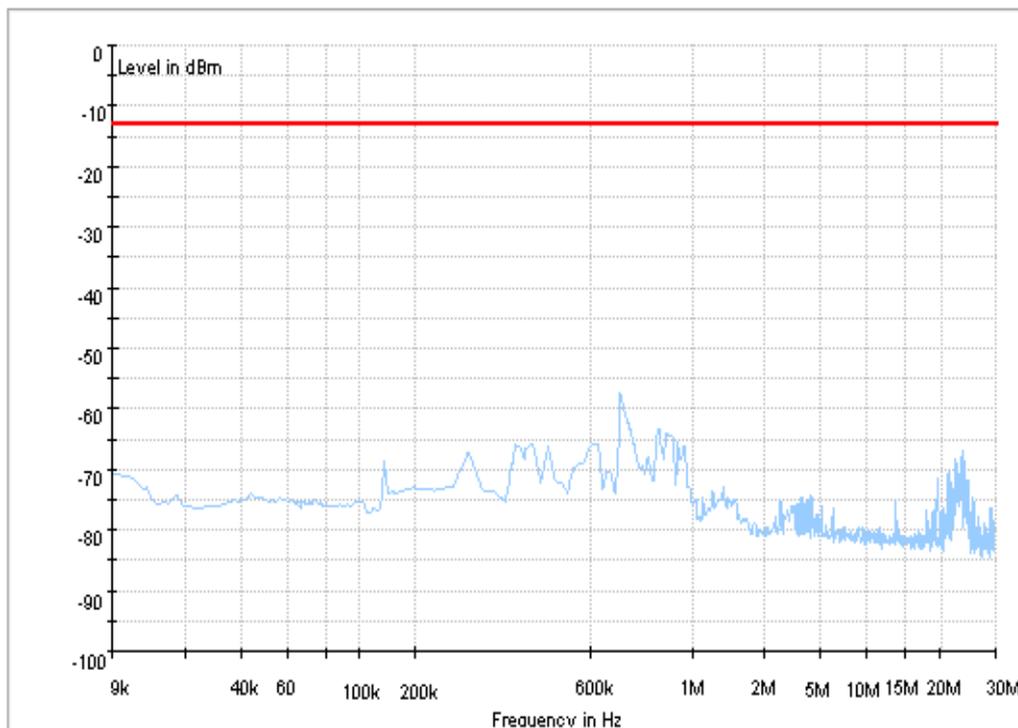
Copy of RSE-TX-DIRECTOR BELOW 1G_L



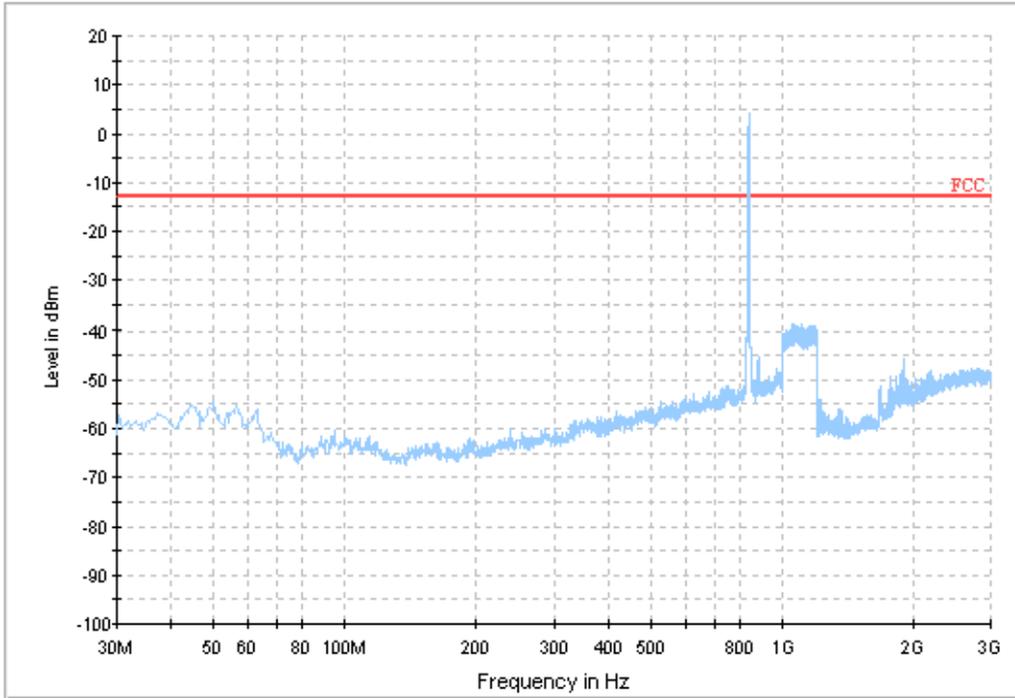
Copy of RSE-TX-DIRECTOR BELOW 1G_H



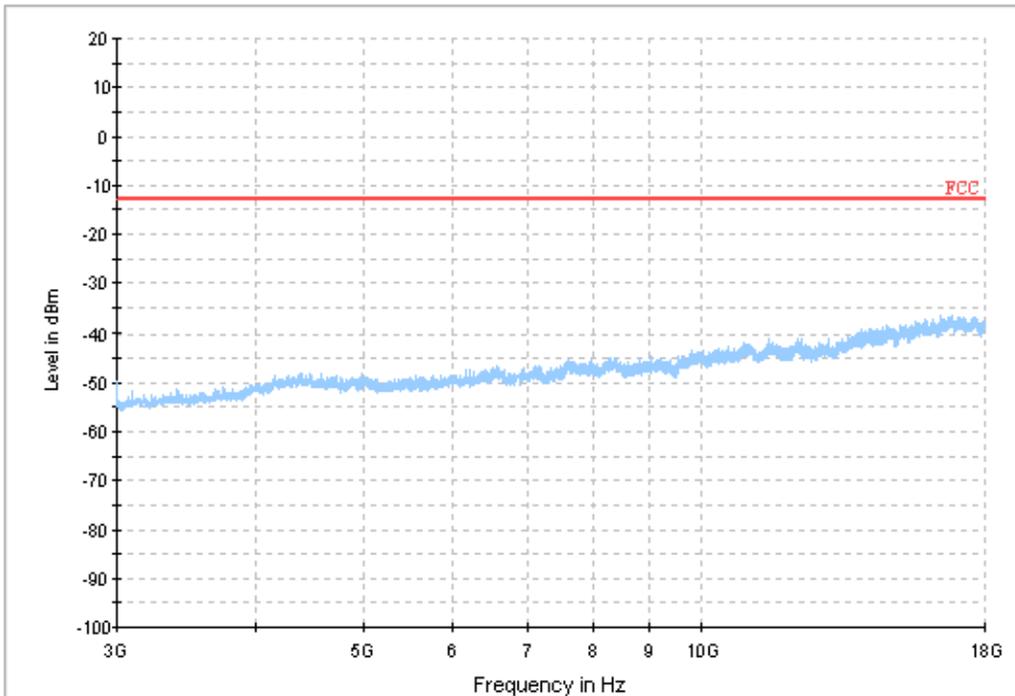
7.3.4.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

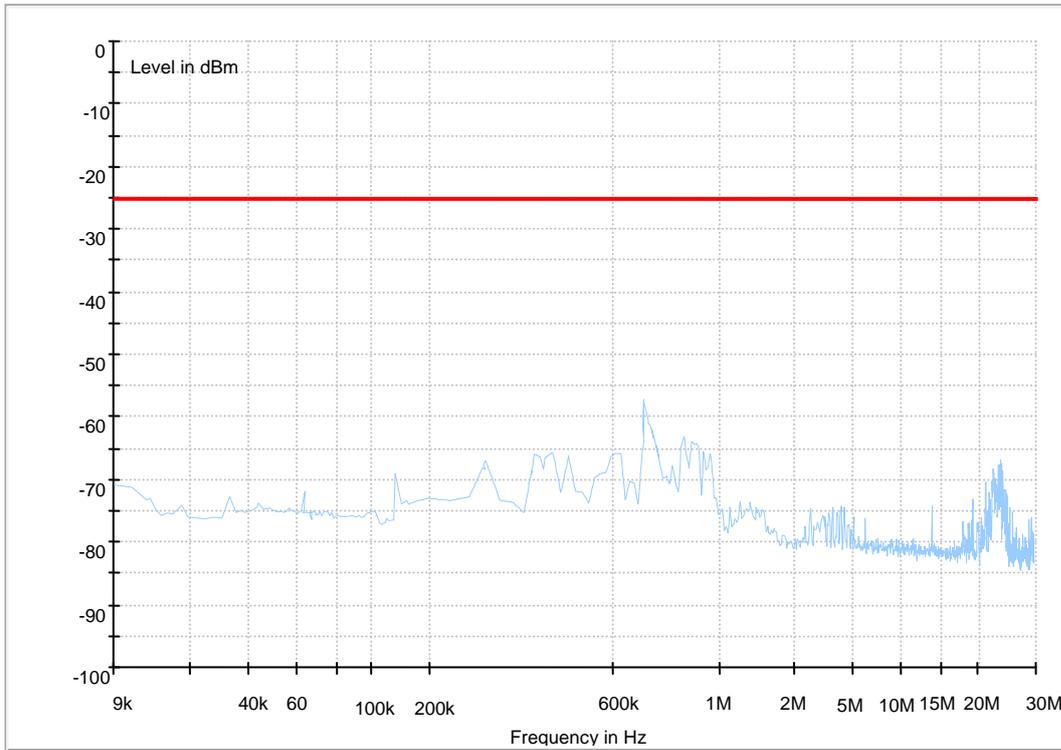


Copy of RSE-TX-DIRECTOR BELOW 1G_H

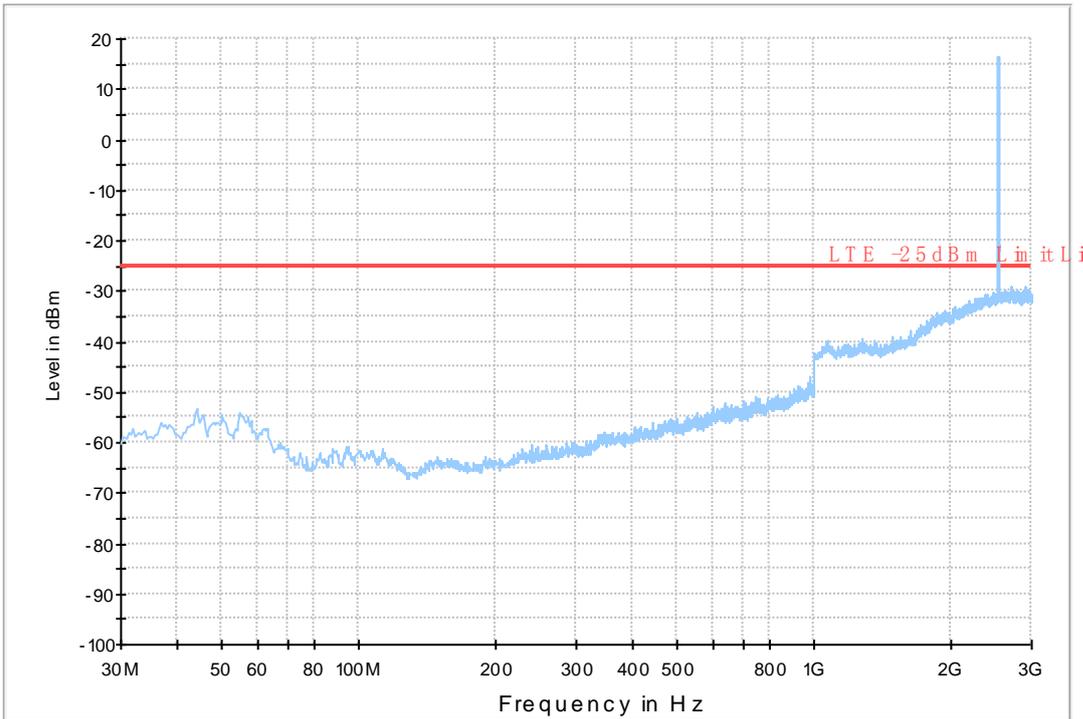


7.3.5 Test Band = BAND7

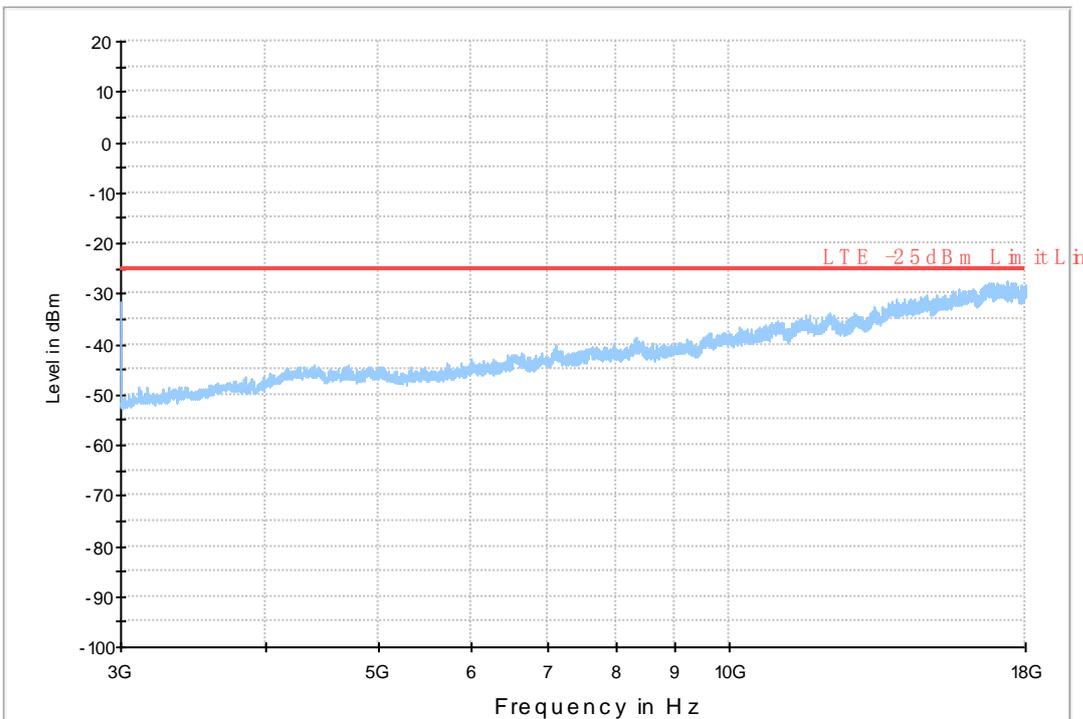
7.3.5.1 Test Bandwidth = 5

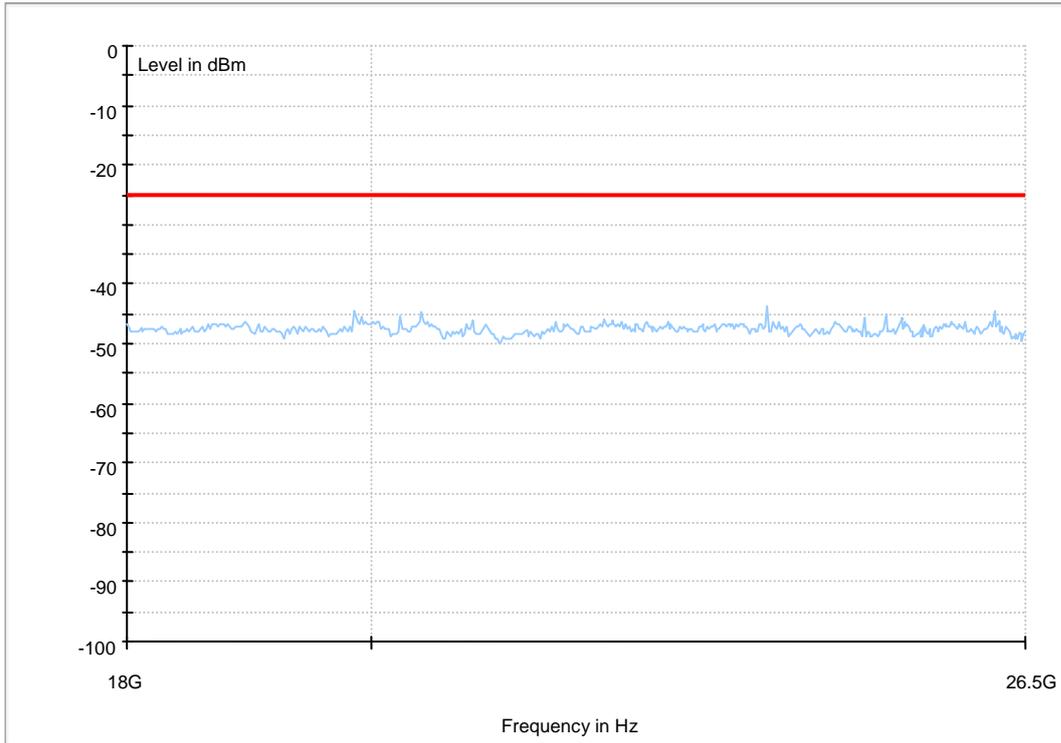


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

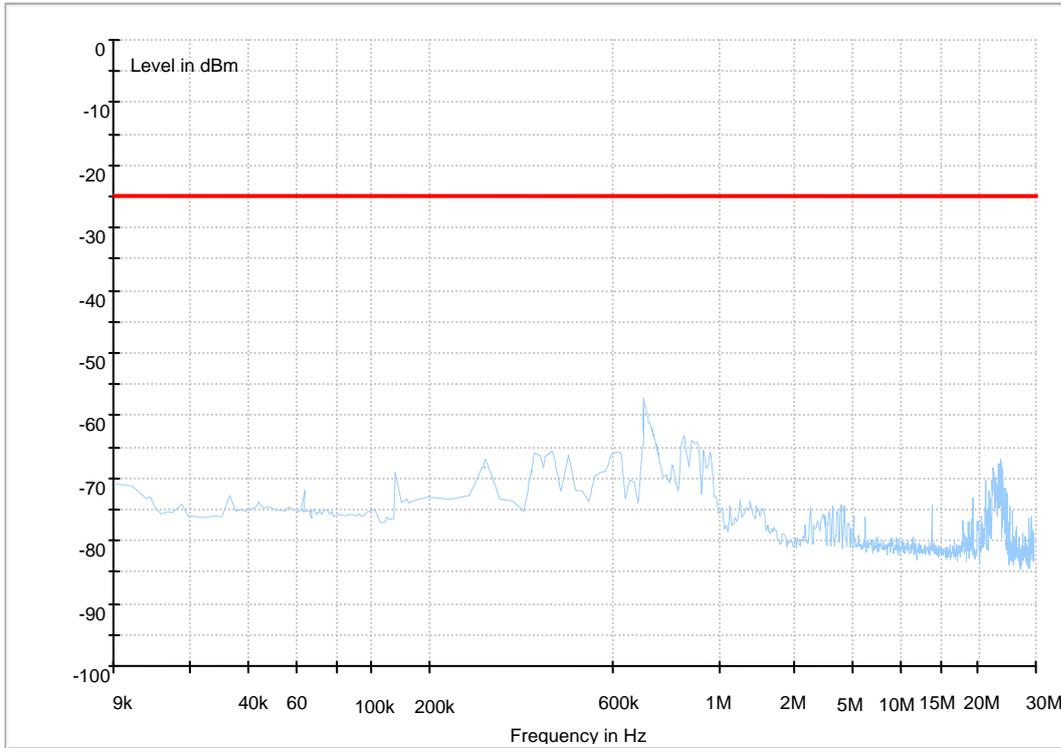


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

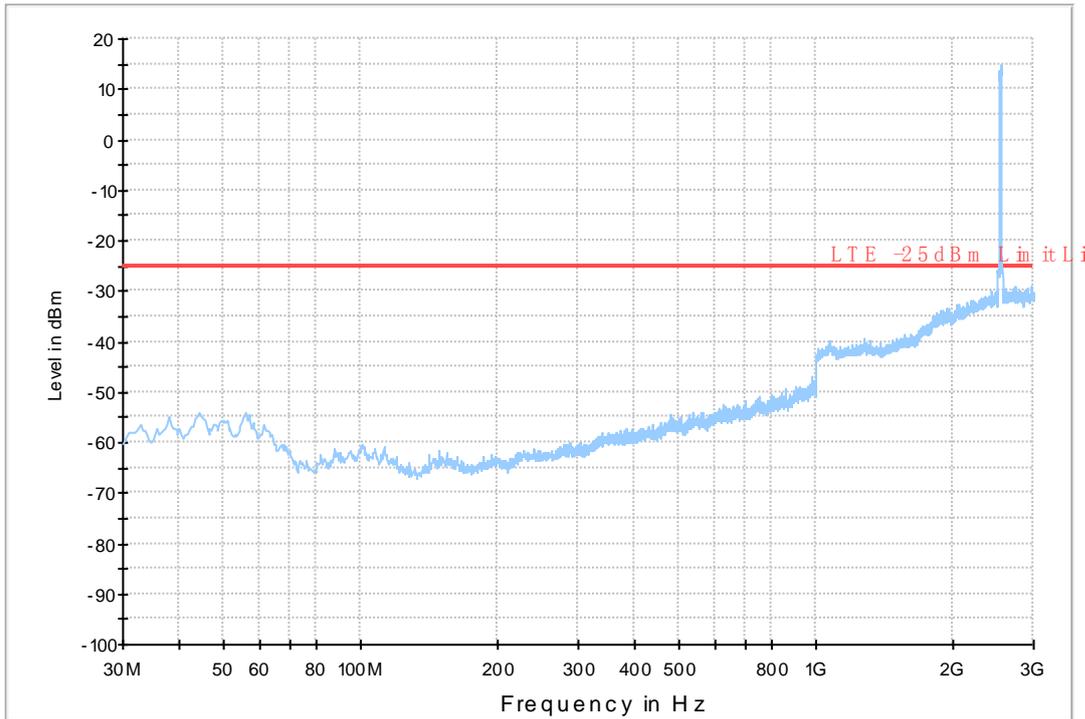




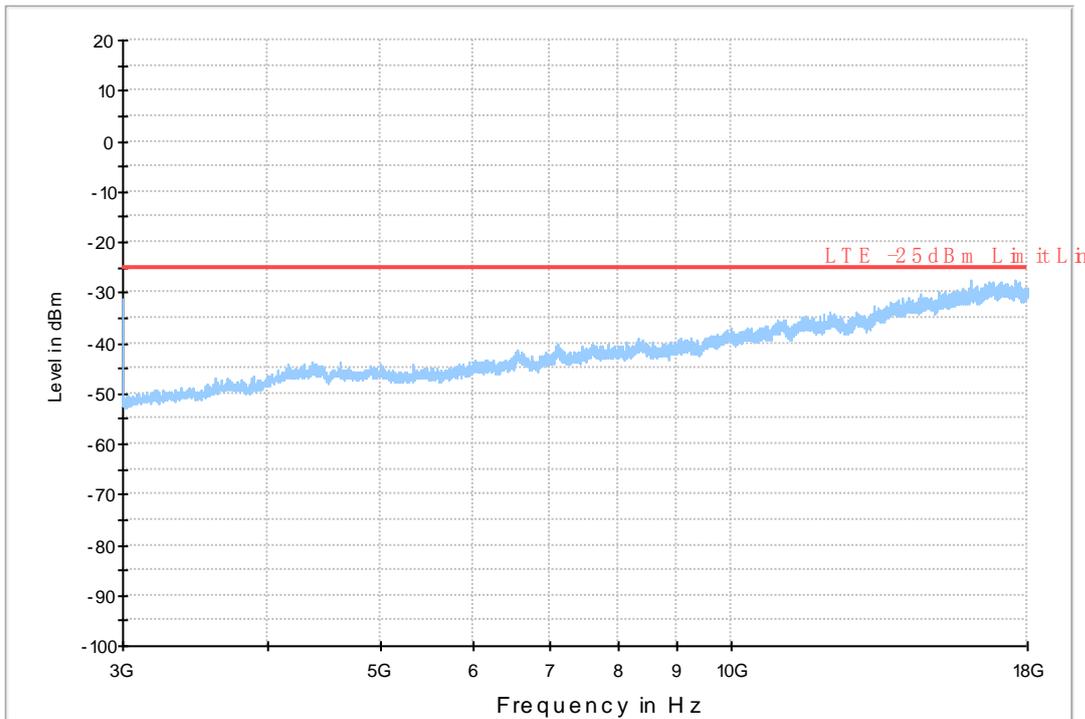
7.3.5.2 Test Bandwidth = 20

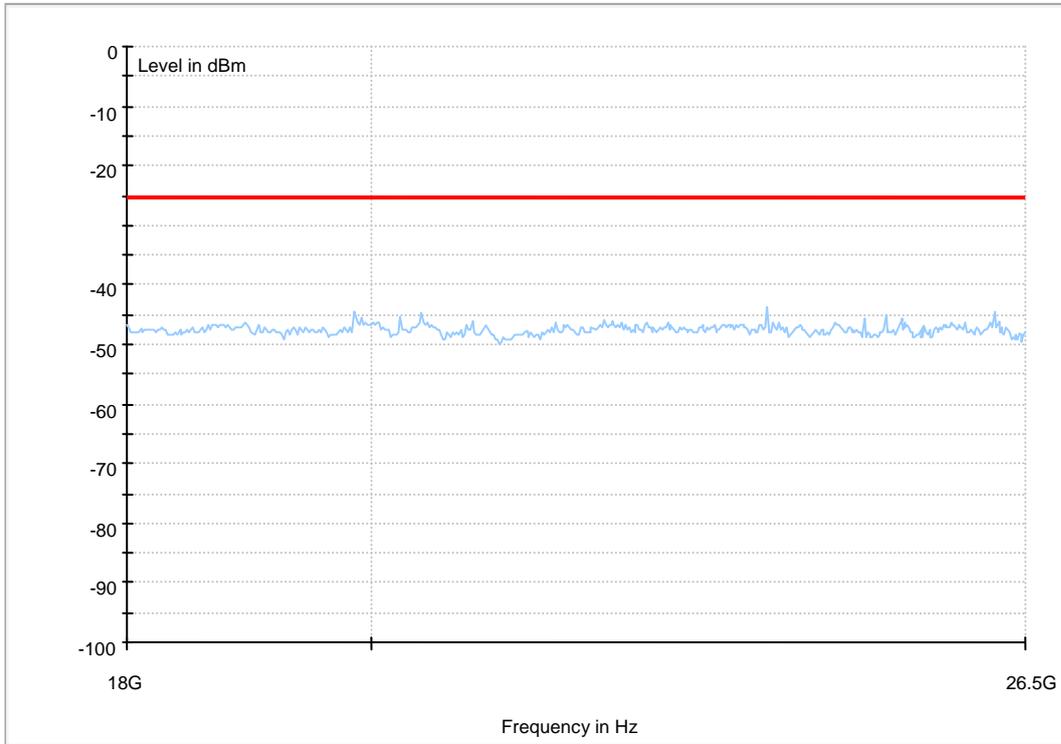


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H





8Appendix_H: Frequency Stability

8.1 For GSM

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM850	GSM/TM1	LCH	TN	VL	-27.51	-0.03338	PASS
				VN	-31.12	-0.03776	PASS
				VH	-27.06	-0.03283	PASS
		MCH	TN	VL	-30.41	-0.03635	PASS
				VN	-29.77	-0.03558	PASS
				VH	-34.03	-0.04068	PASS
		HCH	TN	VL	-28.73	-0.03385	PASS
				VN	-30.67	-0.03613	PASS
				VH	-27.06	-0.03188	PASS
	GSM/TM2	LCH	TN	VL	-20.73	-0.02515	PASS
				VN	-11.49	-0.01394	PASS
				VH	-12.72	-0.01543	PASS
		MCH	TN	VL	-8.62	-0.0103	PASS
				VN	-17.21	-0.02057	PASS
				VH	-10.4	-0.01243	PASS
		HCH	TN	VL	-18.82	-0.02217	PASS
				VN	-14.92	-0.01758	PASS
				VH	-20.57	-0.02423	PASS
GSM1900	GSM/TM1	LCH	TN	VL	11.43	0.00618	PASS
				VN	10.4	0.00562	PASS
				VH	10.33	0.00558	PASS
		MCH	TN	VL	-11.43	-0.00608	PASS
				VN	-11.04	-0.00587	PASS
				VH	-17.56	-0.00934	PASS
	HCH	TN	VL	-11.88	-0.00622	PASS	
			VN	-12.79	-0.0067	PASS	
			VH	-18.79	-0.00984	PASS	
	GSM/TM2	LCH	TN	VL	-0.58	-0.00031	PASS
				VN	-1.65	-0.00089	PASS
				VH	-1.49	-0.00081	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	-17.37	-0.00924	PASS
				VN	-33.45	-0.01779	PASS
				VH	-30.74	-0.01635	PASS
		HCH	TN	VL	-25.99	-0.01361	PASS
				VN	-17.08	-0.00894	PASS
				VH	-17.14	-0.00897	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM850	GSM/TM1	LCH	VN	-30	-28.41	-0.03447	PASS
				-20	-30.41	-0.0369	PASS
				-10	-26.86	-0.03259	PASS
				0	-27.89	-0.03384	PASS
				10	-28.93	-0.0351	PASS
				20	-28.86	-0.03502	PASS
				30	-29.06	-0.03526	PASS
				40	-28.41	-0.03447	PASS
				50	-27.96	-0.03392	PASS
		MCH	VN	-30	-30.35	-0.03628	PASS
				-20	-34.48	-0.04121	PASS
				-10	-32.41	-0.03874	PASS
				0	-33.13	-0.0396	PASS
				10	-32.03	-0.03829	PASS
				20	-32.09	-0.03836	PASS
				30	-35.06	-0.04191	PASS
				40	-35.39	-0.0423	PASS
				50	-32.93	-0.03936	PASS
		HCH	VN	-30	-31.83	-0.0375	PASS
				-20	-31.58	-0.03721	PASS
				-10	-34.03	-0.04009	PASS
				0	-29.19	-0.03439	PASS
				10	-28.15	-0.03316	PASS
				20	-27.96	-0.03294	PASS
				30	-26.02	-0.03066	PASS
				40	-27.57	-0.03248	PASS
				50	-28.02	-0.03301	PASS
	GSM/TM2	LCH	VN	-30	-16.21	-0.01967	PASS
				-20	-16.01	-0.01942	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
				-10	-13.5	-0.01638	PASS						
				0	-7.26	-0.00881	PASS						
				10	-5.65	-0.00686	PASS						
				20	-6.55	-0.00795	PASS						
				30	-9.52	-0.01155	PASS						
				40	-10.07	-0.01222	PASS						
				50	-7.3	-0.00886	PASS						
		MCH	VN			-30	-10.04	-0.012	PASS				
						-20	-19.86	-0.02374	PASS				
						-10	-11.27	-0.01347	PASS				
						0	-14.3	-0.01709	PASS				
						10	-10.27	-0.01228	PASS				
						20	-12.14	-0.01451	PASS				
						30	-14.43	-0.01725	PASS				
						40	-16.24	-0.01941	PASS				
						50	-10.94	-0.01308	PASS				
		HCH	VN			-30	-8.1	-0.00954	PASS				
						-20	-17.24	-0.02031	PASS				
						-10	-22.66	-0.0267	PASS				
						0	-14.37	-0.01693	PASS				
						10	-12.14	-0.0143	PASS				
						20	-16.56	-0.01951	PASS				
						30	-16.34	-0.01925	PASS				
						40	-16.95	-0.01997	PASS				
						50	-9.14	-0.01077	PASS				
		GSM1900	GSM/TM1	LCH	VN								
										-30	6.84	0.0037	PASS
-20	10.27									0.00555	PASS		
-10	13.3									0.00719	PASS		
0	11.11									0.006	PASS		
10	11.69									0.00632	PASS		
20	13.24									0.00716	PASS		
30	11.62									0.00628	PASS		
40	15.3									0.00827	PASS		
50	11.62			0.00628	PASS								
MCH	VN												
										-30	-17.89	-0.00952	PASS
										-20	-17.89	-0.00952	PASS
										-10	-15.24	-0.00811	PASS
										0	-14.59	-0.00776	PASS
										10	-22.66	-0.01205	PASS
		20	-13.82							-0.00735	PASS		

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict										
				30	-21.76	-0.01157	PASS										
				40	-17.05	-0.00907	PASS										
				50	-20.53	-0.01092	PASS										
		HCH	VN			-30	-12.85	-0.00673	PASS								
						-20	-17.82	-0.00933	PASS								
						-10	-6.59	-0.00345	PASS								
						0	-15.3	-0.00801	PASS								
						10	-11.49	-0.00602	PASS								
						20	-10.27	-0.00538	PASS								
						30	-10.4	-0.00545	PASS								
						40	-7.94	-0.00416	PASS								
						50	-9.69	-0.00507	PASS								
						GSM/TM2		LCH	VN								
														-30	-9.46	-0.00511	PASS
														-20	-2.84	-0.00153	PASS
	-10	2.42	0.00131	PASS													
	0	-8.59	-0.00464	PASS													
	10	0.16	0.00009	PASS													
	20	-14.66	-0.00792	PASS													
	30	1.52	0.00082	PASS													
	40	5.81	0.00314	PASS													
	50	0.13	0.00007	PASS													
	MCH	VN															
											-30	-36.16	-0.01923	PASS			
											-20	-39	-0.02074	PASS			
											-10	-20.82	-0.01107	PASS			
											0	-30.22	-0.01607	PASS			
						10	-32.29				-0.01718	PASS					
						20	-26.64				-0.01417	PASS					
	30	-24.38	-0.01297	PASS													
	40	-29.02	-0.01544	PASS													
	50	-32	-0.01702	PASS													
	HCH	VN															
									-30	-26.89	-0.01408	PASS					
									-20	-19.92	-0.01043	PASS					
									-10	-28.77	-0.01506	PASS					
									0	-30.12	-0.01577	PASS					
									10	-19.82	-0.01038	PASS					
									20	-26.41	-0.01383	PASS					
									30	-23.86	-0.01249	PASS					
40	-33.42	-0.0175	PASS														
50	-25.93	-0.01358	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	-4.33	-0.00524	PASS
				VN	1.51	0.00183	PASS
				VH	-1.59	-0.00192	PASS
		MCH	TN	VL	5.58	0.00667	PASS
				VN	6.07	0.00726	PASS
				VH	4.1	0.0049	PASS
		HCH	TN	VL	-0.82	-0.00097	PASS
				VN	-5.46	-0.00645	PASS
				VH	-2.33	-0.00275	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	-1.56	-0.00091	PASS
				VN	0.44	0.00026	PASS
				VH	-0.53	-0.00031	PASS
		MCH	TN	VL	-1.37	-0.00079	PASS
				VN	1.34	0.00077	PASS
				VH	-1.97	-0.00114	PASS
		HCH	TN	VL	4.15	0.00237	PASS
				VN	3.33	0.0019	PASS
				VH	3.57	0.00204	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-2.88	-0.00155	PASS
				VN	-1.19	-0.00064	PASS
				VH	2.4	0.0013	PASS
		MCH	TN	VL	-4.41	-0.00235	PASS
				VN	2	0.00106	PASS
				VH	-6.9	-0.00367	PASS
		HCH	TN	VL	-2.17	-0.00114	PASS
				VN	-2.73	-0.00143	PASS
				VH	-5.29	-0.00277	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	5.25	0.00635	PASS
				-20	-0.64	-0.00077	PASS
				-10	-0.67	-0.00081	PASS
				0	2.56	0.0031	PASS
				10	-1.53	-0.00185	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				20	-0.55	-0.00067	PASS		
				30	-6.1	-0.00738	PASS		
				40	2.84	0.00344	PASS		
				50	3.4	0.00411	PASS		
		MCH	VN			-30	-1.13	-0.00135	PASS
						-20	3.74	0.00447	PASS
						-10	1.17	0.0014	PASS
						0	0.26	0.00031	PASS
						10	1.62	0.00194	PASS
						20	6.36	0.0076	PASS
						30	3.91	0.00467	PASS
						40	-4.2	-0.00502	PASS
						50	1.28	0.00153	PASS
						HCH	VN		
		-20	2.96	0.0035	PASS				
		-10	5.17	0.00611	PASS				
		0	1.37	0.00162	PASS				
		10	-0.08	-0.00009	PASS				
		20	0.92	0.00109	PASS				
		30	7	0.00827	PASS				
		40	0.85	0.001	PASS				
		50	-3.51	-0.00415	PASS				
		WCDMA1700	UMTS/TM1	LCH	VN	-30	-0.73	-0.00043	PASS
						-20	0.9	0.00053	PASS
						-10	3.14	0.00183	PASS
						0	6.97	0.00407	PASS
						10	-0.44	-0.00026	PASS
						20	1.11	0.00065	PASS
						30	8.5	0.00496	PASS
						40	-4.84	-0.00283	PASS
50	6.48					0.00378	PASS		
MCH	VN							-30	5.48
				-20	5.49			0.00317	PASS
				-10	5.04			0.00291	PASS
				0	-1.56			-0.0009	PASS
				10	-3.81			-0.0022	PASS
				20	0.26			0.00015	PASS
				30	-3.33			-0.00192	PASS
				40	4.71			0.00272	PASS
				50	4.24			0.00245	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		HCH	VN	-30	-2.69	-0.00153	PASS
				-20	2.14	0.00122	PASS
				-10	9.11	0.0052	PASS
				0	-0.44	-0.00025	PASS
				10	-2.18	-0.00124	PASS
				20	-1.36	-0.00078	PASS
				30	3.75	0.00214	PASS
				40	2.52	0.00144	PASS
				50	4.04	0.00231	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	-0.96	-0.00052	PASS
				-20	-7.4	-0.00399	PASS
				-10	-6.5	-0.00351	PASS
				0	-2.2	-0.00119	PASS
				10	9.46	0.00511	PASS
				20	4.53	0.00245	PASS
				30	-1.22	-0.00066	PASS
				40	6.42	0.00347	PASS
				50	2.61	0.00141	PASS
		MCH	VN	-30	0.78	0.00041	PASS
				-20	0.41	0.00022	PASS
				-10	-5.89	-0.00313	PASS
				0	-9.06	-0.00482	PASS
				10	5.58	0.00297	PASS
				20	6.1	0.00324	PASS
				30	-3.8	-0.00202	PASS
				40	0.12	0.00006	PASS
				50	-5.84	-0.00311	PASS
		HCH	VN	-30	4.96	0.0026	PASS
				-20	3.59	0.00188	PASS
				-10	-5.2	-0.00273	PASS
				0	-2.75	-0.00144	PASS
				10	-11.57	-0.00607	PASS
				20	8.09	0.00424	PASS
				30	6.77	0.00355	PASS
				40	-8.73	-0.00458	PASS
				50	5.54	0.0029	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
BAND2	LTE/TM1	5	LCH	TN	VL	4.16	0.00225	PASS
					VN	1.6	0.00086	PASS
					VH	3.33	0.0018	PASS
			MCH	TN	VL	2.82	0.0015	PASS
					VN	1.03	0.00055	PASS
					VH	1.9	0.00101	PASS
			HCH	TN	VL	1.76	0.00092	PASS
					VN	1.49	0.00078	PASS
					VH	0.93	0.00049	PASS
		10	LCH	TN	VL	2.59	0.0014	PASS
					VN	3.33	0.0018	PASS
					VH	0.53	0.00029	PASS
			MCH	TN	VL	-1.34	-0.00071	PASS
					VN	0.14	0.00007	PASS
					VH	2.78	0.00148	PASS
			HCH	TN	VL	2.78	0.00146	PASS
					VN	3.19	0.00167	PASS
					VH	3.78	0.00198	PASS
		15	LCH	TN	VL	1.66	0.00089	PASS
					VN	0.3	0.00016	PASS
					VH	-0.11	-0.00006	PASS
			MCH	TN	VL	-1.37	-0.00073	PASS
					VN	-1.36	-0.00072	PASS
					VH	-1.03	-0.00055	PASS
			HCH	TN	VL	-0.03	-0.00002	PASS
					VN	1.02	0.00054	PASS
					VH	-0.13	-0.00007	PASS
		20	LCH	TN	VL	2.22	0.00119	PASS
					VN	-0.36	-0.00019	PASS
					VH	3.48	0.00187	PASS
MCH	TN		VL	0.76	0.0004	PASS		
			VN	-0.83	-0.00044	PASS		
			VH	-1.4	-0.00074	PASS		
HCH	TN	VL	1.22	0.00064	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	TN	VN	3.18	0.00167	PASS
					VH	-0.57	-0.0003	PASS
					VL	3.36	0.00181	PASS
					VN	3.92	0.00212	PASS
					VH	1.32	0.00071	PASS
					VH	1.32	0.00071	PASS
			MCH	TN	VL	1.82	0.00097	PASS
					VN	0.62	0.00033	PASS
					VH	4.92	0.00262	PASS
					VL	1.53	0.0008	PASS
					VN	3.26	0.00171	PASS
					VH	0.47	0.00025	PASS
		10	LCH	TN	VL	0.1	0.00005	PASS
					VN	1.65	0.00089	PASS
					VH	5.16	0.00278	PASS
					VL	1.16	0.00062	PASS
					VN	-2.72	-0.00145	PASS
					VH	-0.51	-0.00027	PASS
			MCH	TN	VL	4.19	0.0022	PASS
					VN	1.06	0.00056	PASS
					VH	2.07	0.00109	PASS
					VL	0.87	0.00047	PASS
					VN	0.06	0.00003	PASS
					VH	0.26	0.00014	PASS
		15	LCH	TN	VL	-1.04	-0.00055	PASS
					VN	-0.59	-0.00031	PASS
					VH	0.57	0.0003	PASS
					VL	1.95	0.00102	PASS
					VN	0.26	0.00014	PASS
					VH	-1.26	-0.00066	PASS
			MCH	TN	VL	-4.55	-0.00245	PASS
					VN	0.3	0.00016	PASS
					VH	-2.25	-0.00121	PASS
					VL	0.66	0.00035	PASS
					VN	0.67	0.00036	PASS
					VH	-0.36	-0.00019	PASS
		20	LCH	TN	VL	-0.7	-0.00037	PASS
					VN	1.44	0.00076	PASS
					VH	1.34	0.00071	PASS
					VL	0.66	0.00035	PASS
					VN	0.67	0.00036	PASS
					VH	-0.36	-0.00019	PASS
MCH	TN		VL	-0.7	-0.00037	PASS		
			VN	1.44	0.00076	PASS		
			VH	1.34	0.00071	PASS		
			VL	0.66	0.00035	PASS		
			VN	0.67	0.00036	PASS		
			VH	-0.36	-0.00019	PASS		
BAND4	LTE/TM1	5	LCH	TN	VL	1.85	0.00108	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	4.39	0.00256	PASS
					VH	0.11	0.00006	PASS
					VL	5.68	0.00328	PASS
			MCH	TN	VN	4.49	0.00259	PASS
					VH	3.46	0.002	PASS
					VL	0.93	0.00053	PASS
			HCH	TN	VN	3.39	0.00193	PASS
					VH	4.05	0.00231	PASS
					VL	-3.19	-0.00186	PASS
		10	LCH	TN	VN	2.06	0.0012	PASS
					VH	-0.13	-0.00008	PASS
					VL	0.57	0.00033	PASS
			MCH	TN	VN	1.22	0.0007	PASS
					VH	1.83	0.00106	PASS
					VL	2.36	0.00135	PASS
			HCH	TN	VN	2.56	0.00146	PASS
					VH	-0.92	-0.00053	PASS
					VL	0.94	0.00055	PASS
		15	LCH	TN	VN	1.65	0.00096	PASS
					VH	2.35	0.00137	PASS
					VL	2.19	0.00126	PASS
			MCH	TN	VN	0.3	0.00017	PASS
					VH	1.02	0.00059	PASS
					VL	1.76	0.00101	PASS
			HCH	TN	VN	0.23	0.00013	PASS
					VH	3.23	0.00185	PASS
					VL	2.6	0.00151	PASS
		20	LCH	TN	VN	3.93	0.00228	PASS
					VH	4.86	0.00283	PASS
					VL	1.26	0.00073	PASS
			MCH	TN	VN	2.52	0.00145	PASS
					VH	3.73	0.00215	PASS
					VL	1.85	0.00106	PASS
			HCH	TN	VN	1.4	0.0008	PASS
					VH	-0.37	-0.00021	PASS
					VL	5.94	0.00347	PASS
		LCH	TN	VN	3.43	0.002	PASS	
				VH	5.18	0.00302	PASS	
				VL	5.58	0.00322	PASS	
		MCH	TN	VL	5.58	0.00322	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	3.19	0.00184	PASS		
					VH	3.35	0.00193	PASS		
			HCH	TN	VL	1.46	0.00083	PASS		
					VN	0.96	0.00055	PASS		
					VH	0.92	0.00052	PASS		
					10	LCH	TN	VL	4.41	0.00257
		VN	2.29	0.00134				PASS		
		VH	1.14	0.00066		PASS				
		MCH	TN	VL		6.39	0.00369	PASS		
				VN		2.26	0.0013	PASS		
		VH	3.88	0.00224		PASS				
		HCH	TN	VL	2.3	0.00131	PASS			
				VN	-1.67	-0.00095	PASS			
		VH	-0.9	-0.00051	PASS					
		15	LCH	TN	VL	1.39	0.00081	PASS		
					VN	-2.15	-0.00125	PASS		
			VH	2.39	0.00139	PASS				
			MCH	TN	VL	3.4	0.00196	PASS		
					VN	-0.01	-0.00001	PASS		
			VH	1.24	0.00072	PASS				
		HCH	TN	VL	0.3	0.00017	PASS			
				VN	3.38	0.00193	PASS			
		VH	2.33	0.00133	PASS					
		20	LCH	TN	VL	0.74	0.00043	PASS		
					VN	3	0.00174	PASS		
			VH	2.17	0.00126	PASS				
			MCH	TN	VL	1.37	0.00079	PASS		
					VN	4.11	0.00237	PASS		
			VH	1.86	0.00107	PASS				
		HCH	TN	VL	1.57	0.0009	PASS			
				VN	0.7	0.0004	PASS			
		VH	-0.49	-0.00028	PASS					
		BAND5	LTE/TM1	5	LCH	TN	VL	2.82	0.00341	PASS
							VN	1.7	0.00206	PASS
					VH	1.27	0.00154	PASS		
					MCH	TN	VL	4.15	0.00496	PASS
VN	4.28						0.00512	PASS		
VH	1.19				0.00142	PASS				
HCH	TN	VL	2.86	0.00338	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		10	LCH	TN	VN	-1.27	-0.0015	PASS	
					VH	2.53	0.00299	PASS	
					VL	1.23	0.00148	PASS	
			VN	3.65	0.0044	PASS			
			VH	1.82	0.0022	PASS			
			VL	1.56	0.00186	PASS			
		MCH	TN	VN	1.24	0.00148	PASS		
				VH	2.47	0.00295	PASS		
				VL	8.67	0.01027	PASS		
		HCH	TN	VN	4.31	0.00511	PASS		
				VH	6.44	0.00763	PASS		
				VL	1.46	0.00177	PASS		
		LTE/TM2	5	LCH	TN	VN	4.78	0.00578	PASS
						VH	1.85	0.00224	PASS
						VL	2.52	0.00301	PASS
	MCH			TN	VN	2.99	0.00357	PASS	
					VH	3.69	0.00441	PASS	
					VL	2.33	0.00275	PASS	
	HCH		TN	VN	7.34	0.00867	PASS		
				VH	4.65	0.00549	PASS		
				VL	0.59	0.00071	PASS		
	10		LCH	TN	VN	1.72	0.00207	PASS	
					VH	0.2	0.00024	PASS	
					VL	0.21	0.00025	PASS	
			MCH	TN	VN	-0.86	-0.00103	PASS	
					VH	3.15	0.00377	PASS	
					VL	-12.06	-0.01429	PASS	
		HCH	TN	VN	0.92	0.00109	PASS		
				VH	0.76	0.0009	PASS		
				VL	2.68	0.00107	PASS		
BAND7	LTE/TM1	5	LCH	TN	VN	4.73	0.00189	PASS	
					VH	3.72	0.00149	PASS	
					VL	3.08	0.00121	PASS	
			MCH	TN	VN	3.71	0.00146	PASS	
					VH	6.29	0.00248	PASS	
					VL	3.66	0.00143	PASS	
		HCH	TN	VN	3.23	0.00126	PASS		
				VH	4.06	0.00158	PASS		
				VL	0.27	0.00011	PASS		
		10	LCH	TN	VL	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		
					VN	0.72	0.00029	PASS		
					VH	0.31	0.00012	PASS		
					MCH	TN	VL	-1.2	-0.00047	PASS
							VN	0.3	0.00012	PASS
					VH	0.62	0.00024	PASS		
					HCH	TN	VL	-4.22	-0.00165	PASS
			VN	-1.34			-0.00052	PASS		
			VH	0.82			0.00032	PASS		
			15	LCH	TN	VL	5.07	0.002022	PASS	
						VN	2.23	0.000889	PASS	
						VH	3.57	0.001424	PASS	
				MCH	TN	VL	-0.96	-0.00038	PASS	
		VN				-0.86	-0.00034	PASS		
		VH				-0.99	-0.00039	PASS		
		HCH		TN	VL	-2.26	-0.00088	PASS		
					VN	-2.42	-0.00094	PASS		
					VH	0.79	0.00031	PASS		
		20		LCH	TN	VL	4.66	0.001857	PASS	
						VN	1.49	0.000594	PASS	
						VH	1.53	0.00061	PASS	
			MCH	TN	VL	-0.01	0	PASS		
					VN	2.95	0.00116	PASS		
					VH	-0.19	-0.00007	PASS		
			HCH	TN	VL	0.11	0.00004	PASS		
					VN	4.28	0.00167	PASS		
					VH	-1.67	-0.00065	PASS		
		LTE/TM2		5	LCH	TN	VL	5.52	0.00221	PASS
							VN	2.03	0.00081	PASS
							VH	3.59	0.00143	PASS
					MCH	TN	VL	2.79	0.0011	PASS
							VN	4.66	0.00184	PASS
							VH	0.49	0.00019	PASS
					HCH	TN	VL	1.5	0.00058	PASS
							VN	2.07	0.00081	PASS
							VH	2.23	0.00087	PASS
				10	LCH	TN	VL	1.57	0.00063	PASS
							VN	0.33	0.00013	PASS
							VH	0.86	0.00034	PASS
				MCH	TN	VL	-0.66	-0.00026	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					VN	-0.62	-0.00024	PASS	
					VH	3.36	0.00133	PASS	
			HCH	TN	VL	-1.19	-0.00046	PASS	
					VN	1.13	0.00044	PASS	
						VH	3.02	0.00118	PASS
						VL	0	0	PASS
		15	LCH	TN	VN	1.6	0.00064	PASS	
					VH	-0.41	-0.00016	PASS	
			MCH	TN	VL	1.69	0.00067	PASS	
					VN	1	0.00039	PASS	
						VH	-2.32	-0.00092	PASS
						VL	1.53	0.0006	PASS
		20	HCH	TN	VN	0.29	0.00011	PASS	
					VH	-1.46	-0.00057	PASS	
			LCH	TN	VL	1.62	0.00065	PASS	
					VN	0.73	0.00029	PASS	
						VH	2.33	0.00093	PASS
						VL	3.18	0.00125	PASS
		MCH	TN	VN	-3.3	-0.0013	PASS		
				VH	-0.11	-0.00004	PASS		
				VL	0.53	0.00021	PASS		
HCH	TN	VN	-0.46	-0.00018	PASS				
		VH	2.45	0.00096	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
BAND2	LTE/TM1	5	LCH	VN	-30	4.62	0.00249	PASS
					-20	3.43	0.00185	PASS
					-10	3.73	0.00201	PASS
					0	-2.92	-0.00158	PASS
					10	-3.36	-0.00181	PASS
					20	3.58	0.00193	PASS
					30	2.72	0.00147	PASS
					40	4.32	0.00233	PASS
					50	0.82	0.00044	PASS
		MCH	VN	-30	-0.39	-0.00021	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	2.98	0.00159	PASS		
					-10	3.2	0.0017	PASS		
					0	3.05	0.00162	PASS		
					10	0.36	0.00019	PASS		
					20	2.4	0.00128	PASS		
					30	2.49	0.00132	PASS		
					40	-2.68	-0.00143	PASS		
					50	3.03	0.00161	PASS		
			HCH	VN	-30	4.69	0.00246	PASS		
					-20	3.86	0.00202	PASS		
					-10	4.73	0.00248	PASS		
					0	3.33	0.00175	PASS		
					10	3.59	0.00188	PASS		
					20	3.71	0.00194	PASS		
					30	2.82	0.00148	PASS		
					40	3.02	0.00158	PASS		
			LCH	VN	-30	2.76	0.00149	PASS		
					-20	2.25	0.00121	PASS		
					-10	-0.76	-0.00041	PASS		
					0	1.66	0.00089	PASS		
		10			0.19	0.0001	PASS			
		20			1.62	0.00087	PASS			
		30			1.24	0.00067	PASS			
		40			0.2	0.00011	PASS			
		MCH	VN	-30	-0.06	-0.00003	PASS			
				-20	-0.4	-0.00021	PASS			
				-10	3.3	0.00176	PASS			
				0	1.44	0.00077	PASS			
				10	1.1	0.00059	PASS			
				20	0.19	0.0001	PASS			
				30	0.96	0.00051	PASS			
				40	1.16	0.00062	PASS			
		HCH	VN	-30	1.16	0.00061	PASS			
				-20	1.17	0.00061	PASS			
				-10	1.93	0.00101	PASS			
				0	0.54	0.00028	PASS			
		10					-30	2.76	0.00149	PASS
							-20	2.25	0.00121	PASS
							-10	-0.76	-0.00041	PASS
							0	1.66	0.00089	PASS
10	0.19						0.0001	PASS		
20	1.62						0.00087	PASS		
30	1.24						0.00067	PASS		
40	0.2						0.00011	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	1.4	0.00073	PASS			
					20	1.54	0.00081	PASS			
					30	4.68	0.00246	PASS			
					40	4.42	0.00232	PASS			
					50	3.46	0.00182	PASS			
					15	LCH	VN	-30	1.24	0.00067	PASS
								-20	0.14	0.00008	PASS
								-10	0.34	0.00018	PASS
								0	0.5	0.00027	PASS
								10	-0.63	-0.00034	PASS
		20	0.97	0.00052				PASS			
		30	1.62	0.00087				PASS			
		40	1.4	0.00075				PASS			
		50	-0.5	-0.00027				PASS			
		15	MCH	VN				-30	-0.92	-0.00049	PASS
					-20	0.17	0.00009	PASS			
					-10	0.93	0.00049	PASS			
					0	-0.47	-0.00025	PASS			
					10	1.34	0.00071	PASS			
					20	0.84	0.00045	PASS			
					30	1.87	0.00099	PASS			
					40	-0.09	-0.00005	PASS			
					50	-1.26	-0.00067	PASS			
					15	HCH	VN	-30	2.16	0.00114	PASS
		-20	3.4	0.00179				PASS			
		-10	3.32	0.00175				PASS			
		0	1.7	0.00089				PASS			
		10	2.99	0.00157				PASS			
		20	0.39	0.0002				PASS			
		30	0.09	0.00005				PASS			
		40	0.37	0.00019				PASS			
		50	0.72	0.00038				PASS			
		20	LCH	VN				-30	-0.31	-0.00017	PASS
					-20	1.26	0.00068	PASS			
					-10	-1.43	-0.00077	PASS			
					0	0.11	0.00006	PASS			
					10	0	0	PASS			
					20	0.16	0.00009	PASS			
					30	-4.51	-0.00242	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	-2.93	-0.00158	PASS		
					50	1.02	0.00055	PASS		
			MCH	VN	-30	-0.13	-0.00007	PASS		
					-20	-2.59	-0.00138	PASS		
					-10	-0.03	-0.00002	PASS		
					0	1.89	0.00101	PASS		
					10	2.17	0.00115	PASS		
					20	-1.83	-0.00097	PASS		
					30	-0.94	-0.0005	PASS		
					40	-0.96	-0.00051	PASS		
					50	1.42	0.00076	PASS		
			HCH	VN	-30	1.04	0.00055	PASS		
					-20	0.29	0.00015	PASS		
					-10	0.64	0.00034	PASS		
					0	0.1	0.00005	PASS		
					10	1.86	0.00098	PASS		
					20	0.89	0.00047	PASS		
					30	-0.83	-0.00044	PASS		
					40	0.8	0.00042	PASS		
			LTE/TM2	5	LCH	VN	-30	3.05	0.00165	PASS
							-20	2.05	0.00111	PASS
	-10	1.85					0.001	PASS		
	0	1.22					0.00066	PASS		
	10	2.57					0.00139	PASS		
	20	2.26					0.00122	PASS		
	30	1.89					0.00102	PASS		
	40	2.57					0.00139	PASS		
	50	3.42			0.00185	PASS				
	MCH	VN			-30	3.06	0.00163	PASS		
					-20	2.26	0.0012	PASS		
					-10	4.48	0.00238	PASS		
			0	-0.67	-0.00036	PASS				
	HCH	VN	10	0.39	0.00021	PASS				
20			0.74	0.00039	PASS					
30			1.87	0.00099	PASS					
40			1.43	0.00076	PASS					
				50	-0.19	-0.0001	PASS			
				-30	-0.73	-0.00038	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	1.77	0.00093	PASS
					-10	3.35	0.00176	PASS
					0	1.5	0.00079	PASS
					10	3.05	0.0016	PASS
					20	-2	-0.00105	PASS
					30	1.59	0.00083	PASS
					40	2.17	0.00114	PASS
					50	-0.21	-0.00011	PASS
		10	LCH	VN	-30	2.53	0.00136	PASS
					-20	-0.57	-0.00031	PASS
					-10	0.51	0.00027	PASS
					0	2.46	0.00133	PASS
					10	0.4	0.00022	PASS
					20	3	0.00162	PASS
					30	-0.86	-0.00046	PASS
					40	-2.36	-0.00127	PASS
			50		-0.54	-0.00029	PASS	
			MCH		-30	-0.46	-0.00024	PASS
					-20	1.24	0.00066	PASS
					-10	1.5	0.0008	PASS
					0	0.64	0.00034	PASS
					10	-2.56	-0.00136	PASS
					20	0	0	PASS
					30	2.96	0.00157	PASS
					40	1.22	0.00065	PASS
			50		-1	-0.00053	PASS	
			HCH		-30	1.67	0.00088	PASS
					-20	2.3	0.00121	PASS
					-10	1.5	0.00079	PASS
					0	1.77	0.00093	PASS
					10	1.59	0.00083	PASS
					20	0.66	0.00035	PASS
		30		2.1	0.0011	PASS		
		40		3.91	0.00205	PASS		
		50	2.25	0.00118	PASS			
		15	LCH	VN	-30	5.35	0.00288	PASS
					-20	4.29	0.00231	PASS
					-10	0.39	0.00021	PASS
					0	1.26	0.00068	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					10	1.6	0.00086	PASS					
					20	0.83	0.00045	PASS					
					30	2.46	0.00132	PASS					
					40	0.63	0.00034	PASS					
					50	1.54	0.00083	PASS					
			MCH	VN				-30	0.64	0.00034	PASS		
								-20	1.26	0.00067	PASS		
								-10	18.9	0.01005	PASS		
								0	-1.04	-0.00055	PASS		
								10	1.56	0.00083	PASS		
								20	-1.9	-0.00101	PASS		
								30	-1.02	-0.00054	PASS		
								40	2.09	0.00111	PASS		
								50	-0.43	-0.00023	PASS		
			HCH	VN				-30	4.01	0.00211	PASS		
								-20	-4.94	-0.0026	PASS		
								-10	-0.62	-0.00033	PASS		
								0	-0.04	-0.00002	PASS		
								10	4.41	0.00232	PASS		
								20	-4.63	-0.00243	PASS		
								30	4.03	0.00212	PASS		
								40	-1.03	-0.00054	PASS		
			20			LCH	VN		-30	88.49	0.04758	PASS	
									-20	-35.35	-0.01901	PASS	
		-10							16.19	0.0087	PASS		
		0							66.32	0.03566	PASS		
		10							26.54	0.01427	PASS		
		20							2.93	0.00158	PASS		
		MCH				VN				30	3.25	0.00175	PASS
										40	1.14	0.00061	PASS
										50	2.93	0.00158	PASS
										-30	-0.14	-0.00007	PASS
										-20	-0.51	-0.00027	PASS
										-10	-1.96	-0.00104	PASS
							0	-0.59	-0.00031	PASS			
							10	-1.06	-0.00056	PASS			
20	-4.02						-0.00214	PASS					
					30	-1.3	-0.00069	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-0.53	-0.00028	PASS
					50	-1.26	-0.00067	PASS
			HCH	VN	-30	2.13	0.00112	PASS
					-20	1.39	0.00073	PASS
					-10	-0.66	-0.00035	PASS
					0	2.9	0.00153	PASS
					10	2.16	0.00114	PASS
					20	2.89	0.00152	PASS
					30	1.03	0.00054	PASS
					40	0.64	0.00034	PASS
					50	-1.72	-0.00091	PASS
BAND4	LTE/TM1	5	LCH	VN	-30	4.13	0.00241	PASS
					-20	4.31	0.00252	PASS
					-10	1.96	0.00114	PASS
					0	1.44	0.00084	PASS
					10	2.63	0.00154	PASS
					20	7.4	0.00432	PASS
					30	3.26	0.0019	PASS
					40	7.57	0.00442	PASS
					50	2.8	0.00164	PASS
			MCH	VN	-30	2.82	0.00163	PASS
					-20	4.06	0.00234	PASS
					-10	2.56	0.00148	PASS
					0	4.16	0.0024	PASS
					10	2.36	0.00136	PASS
					20	-4.38	-0.00253	PASS
					30	-3.43	-0.00198	PASS
					40	-2.2	-0.00127	PASS
		50			-7.34	-0.00424	PASS	
		HCH	VN	-30	3.2	0.00183	PASS	
				-20	4.48	0.00256	PASS	
				-10	2.9	0.00165	PASS	
				0	-3.86	-0.0022	PASS	
				10	1.34	0.00076	PASS	
				20	1.82	0.00104	PASS	
				30	3.46	0.00197	PASS	
				40	1.13	0.00064	PASS	
				50	9.56	0.00546	PASS	
		10	LCH	VN	-30	-1.83	-0.00107	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		15			-20	-1.97	-0.00115	PASS	
					-10	-1.03	-0.0006	PASS	
					0	-1.73	-0.00101	PASS	
					10	0.17	0.0001	PASS	
					20	1.22	0.00071	PASS	
					30	3.05	0.00178	PASS	
					40	2.22	0.00129	PASS	
					50	1.93	0.00113	PASS	
			MCH	VN	-30	-1.14	-0.00066	PASS	
					-20	2.73	0.00158	PASS	
					-10	2.2	0.00127	PASS	
					0	0.4	0.00023	PASS	
					10	0.5	0.00029	PASS	
					20	1.93	0.00111	PASS	
					30	2.66	0.00154	PASS	
					40	3.25	0.00188	PASS	
			HCH	VN	-30	1.53	0.00087	PASS	
					-20	1.86	0.00106	PASS	
					-10	1.6	0.00091	PASS	
					0	0.49	0.00028	PASS	
					10	-1.14	-0.00065	PASS	
					20	1.97	0.00113	PASS	
					30	3.62	0.00207	PASS	
					40	0.1	0.00006	PASS	
			15	LCH	VN	-30	0.62	0.00036	PASS
						-20	1.23	0.00072	PASS
						-10	1.37	0.0008	PASS
						0	1.39	0.00081	PASS
		10				1.17	0.00068	PASS	
		20				0.44	0.00026	PASS	
		30				-0.36	-0.00021	PASS	
		40				0.59	0.00034	PASS	
		MCH		VN	-30	1.07	0.00062	PASS	
					-20	4.33	0.0025	PASS	
					-10	1.53	0.00088	PASS	
					0	-0.3	-0.00017	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	2.95	0.0017	PASS			
					20	-1.49	-0.00086	PASS			
					30	2.09	0.00121	PASS			
					40	2.95	0.0017	PASS			
					50	0.09	0.00005	PASS			
			HCH	VN				-30	1.57	0.0009	PASS
								-20	1.1	0.00063	PASS
								-10	1.66	0.00095	PASS
								0	4.45	0.00255	PASS
								10	2.03	0.00116	PASS
								20	5.19	0.00297	PASS
								30	2.29	0.00131	PASS
								40	3.19	0.00183	PASS
								50	2.43	0.00139	PASS
								LCH	VN		
			-20	2.17	0.00126	PASS					
			-10	2.59	0.00151	PASS					
			0	0.97	0.00056	PASS					
			10	2.57	0.00149	PASS					
			20	0.86	0.0005	PASS					
		30	2.09	0.00122	PASS						
		40	1.03	0.0006	PASS						
		50	2.35	0.00137	PASS						
		MCH	VN	20			-30				
							-20	0.63	0.00036	PASS	
							-10	1.86	0.00107	PASS	
							0	-0.01	-0.00001	PASS	
							10	2.07	0.00119	PASS	
							20	-0.6	-0.00035	PASS	
							30	0.27	0.00016	PASS	
							40	0.2	0.00012	PASS	
							50	0.39	0.00023	PASS	
							HCH	VN	20		
		-20	-1.46	-0.00084	PASS						
		-10	-0.74	-0.00042	PASS						
		0	0.2	0.00011	PASS						
		10	0.21	0.00012	PASS						
		20	-0.62	-0.00036	PASS						
		30	-1.9	-0.00109	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	40	-2.17	-0.00124	PASS
					50	1.49	0.00085	PASS
					-30	-0.5	-0.00029	PASS
					-20	2.85	0.00166	PASS
					-10	1.54	0.0009	PASS
					0	6.81	0.00398	PASS
					10	3.1	0.00181	PASS
					20	-1.46	-0.00085	PASS
					30	-0.63	-0.00037	PASS
					40	0.82	0.00048	PASS
			50	8.11	0.00474	PASS		
			MCH	VN	-30	3.38	0.00195	PASS
					-20	3.6	0.00208	PASS
					-10	3.29	0.0019	PASS
					0	3.42	0.00197	PASS
					10	0.29	0.00017	PASS
					20	2.96	0.00171	PASS
					30	-4.09	-0.00236	PASS
					40	4.88	0.00282	PASS
					50	-3.5	-0.00202	PASS
		HCH			VN	-30	1.1	0.00063
			-20	1.32		0.00075	PASS	
			-10	0.24		0.00014	PASS	
			0	2.55		0.00146	PASS	
			10	3.53		0.00201	PASS	
			20	1.12		0.00064	PASS	
			30	2.9		0.00165	PASS	
			40	3.05		0.00174	PASS	
			50	3.05		0.00174	PASS	
			10	LCH		VN	-30	-2.73
		-20			-0.26		-0.00015	PASS
		-10			-3.71		-0.00216	PASS
		0			-2.07		-0.00121	PASS
		10			-1.62		-0.00094	PASS
		20			0.99		0.00058	PASS
		30			-0.03		-0.00002	PASS
		40			-0.37		-0.00022	PASS
		50			-0.66		-0.00038	PASS
		MCH			VN		-30	0.31

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	2.09	0.00121	PASS		
					-10	1.63	0.00094	PASS		
					0	-1.23	-0.00071	PASS		
					10	3.89	0.00225	PASS		
					20	-1.49	-0.00086	PASS		
					30	-1.33	-0.00077	PASS		
					40	0.19	0.00011	PASS		
					50	0.11	0.00006	PASS		
			HCH	VN	-30	-2	-0.00114	PASS		
					-20	1.44	0.00082	PASS		
					-10	3.03	0.00173	PASS		
					0	1.92	0.0011	PASS		
					10	3.68	0.0021	PASS		
					20	3.12	0.00178	PASS		
					30	2.8	0.0016	PASS		
					40	1.75	0.001	PASS		
			LCH	VN	-30	5.84	0.0034	PASS		
					-20	5.39	0.00314	PASS		
					-10	5.18	0.00302	PASS		
					0	1.76	0.00102	PASS		
		10			4.35	0.00253	PASS			
		20			2.32	0.00135	PASS			
		30			3.16	0.00184	PASS			
		40			2.68	0.00156	PASS			
		MCH	VN	-30	1.6	0.00092	PASS			
				-20	3.46	0.002	PASS			
				-10	2.39	0.00138	PASS			
				0	-0.27	-0.00016	PASS			
				10	2.26	0.0013	PASS			
				20	2.62	0.00151	PASS			
				30	2.96	0.00171	PASS			
				40	3.59	0.00207	PASS			
		HCH	VN	-30	1.43	0.00082	PASS			
				-20	1.85	0.00106	PASS			
				-10	1.77	0.00101	PASS			
				0	1.9	0.00109	PASS			
		15					-30	5.84	0.0034	PASS
							-20	5.39	0.00314	PASS
							-10	5.18	0.00302	PASS
							0	1.76	0.00102	PASS
10	4.35						0.00253	PASS		
20	2.32						0.00135	PASS		
30	3.16						0.00184	PASS		
40	2.68						0.00156	PASS		
LCH	VN			-30	1.6	0.00092	PASS			
				-20	3.46	0.002	PASS			
				-10	2.39	0.00138	PASS			
				0	-0.27	-0.00016	PASS			
				10	2.26	0.0013	PASS			
				20	2.62	0.00151	PASS			
				30	2.96	0.00171	PASS			
				40	3.59	0.00207	PASS			
MCH	VN			-30	1.43	0.00082	PASS			
				-20	1.85	0.00106	PASS			
				-10	1.77	0.00101	PASS			
				0	1.9	0.00109	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	2.06	0.00118	PASS		
					20	1.99	0.00114	PASS		
					30	1.43	0.00082	PASS		
					40	-0.54	-0.00031	PASS		
					50	3.46	0.00198	PASS		
				20	LCH	VN	-30	2.56	0.00149	PASS
							-20	3.81	0.00222	PASS
							-10	-3.43	-0.00199	PASS
							0	5.51	0.0032	PASS
							10	-1.04	-0.0006	PASS
							20	1.99	0.00116	PASS
							30	1	0.00058	PASS
							40	1.97	0.00115	PASS
							50	0.86	0.0005	PASS
							MCH	VN	-30	3.81
					-20	1.47			0.00085	PASS
					-10	-2.26			-0.0013	PASS
					0	1.95			0.00113	PASS
					10	2.07			0.00119	PASS
					20	5.82			0.00336	PASS
					30	2			0.00115	PASS
					40	1.59			0.00092	PASS
					50	3.32			0.00192	PASS
					HCH	VN			-30	1.44
							-20	1.1	0.00063	PASS
							-10	-0.34	-0.00019	PASS
							0	1.04	0.0006	PASS
							10	-0.11	-0.00006	PASS
20	1.09						0.00062	PASS		
30	-0.06						-0.00003	PASS		
40	-0.36						-0.00021	PASS		
50	0.49				0.00028	PASS				
BAND5	LTE/TM1				5	LCH	VN	-30	1.75	0.00212
		-20	4.56	0.00552				PASS		
		-10	1.23	0.00149				PASS		
		0	1.32	0.0016				PASS		
		10	4.06	0.00491				PASS		
		20	1.92	0.00232				PASS		
		30	4.46	0.0054				PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	4.18	0.00506	PASS
					50	3.83	0.00463	PASS
			MCH	VN	-30	1.73	0.00207	PASS
					-20	3.63	0.00434	PASS
					-10	4.12	0.00493	PASS
					0	4.59	0.00549	PASS
					10	3.75	0.00448	PASS
					20	3.26	0.0039	PASS
					30	4.96	0.00593	PASS
					40	4.88	0.00583	PASS
					50	4.39	0.00525	PASS
					HCH	VN	-30	2.45
			-20	3.52			0.00416	PASS
			-10	2.37			0.0028	PASS
			0	2.8			0.00331	PASS
			10	3.73			0.00441	PASS
			20	2.42			0.00286	PASS
			30	4.29			0.00507	PASS
			40	5.02			0.00593	PASS
			10	LCH	VN	-30	-35.33	-0.04262
		-20				1.49	0.0018	PASS
		-10				1.06	0.00128	PASS
		0				1.53	0.00185	PASS
		10				-1.02	-0.00123	PASS
		20				0.84	0.00101	PASS
		30				1.34	0.00162	PASS
		40				1.62	0.00195	PASS
		50				5.04	0.00608	PASS
		MCH				VN	-30	0.4
				-20	2.68		0.0032	PASS
				-10	4.06		0.00485	PASS
				0	-0.4		-0.00048	PASS
				10	0.06		0.00007	PASS
				20	0.43		0.00051	PASS
				30	2.6		0.00311	PASS
				40	3.85		0.0046	PASS
				50	-0.44		-0.00053	PASS
				HCH	VN		-30	2.83

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	4.08	0.00483	PASS	
					-10	2.52	0.00299	PASS	
					0	2.96	0.00351	PASS	
					10	5.39	0.00639	PASS	
					20	3.69	0.00437	PASS	
					30	-0.79	-0.00094	PASS	
					40	2.85	0.00338	PASS	
					50	6.97	0.00826	PASS	
	LTE/TM2	5		LCH	VN	-30	7.42	0.00898	PASS
						-20	2.23	0.0027	PASS
						-10	2.63	0.00318	PASS
						0	0.47	0.00057	PASS
						10	4.19	0.00507	PASS
						20	0.74	0.0009	PASS
						30	1.59	0.00192	PASS
						40	3.76	0.00455	PASS
				50		0.56	0.00068	PASS	
				MCH		-30	3.16	0.00378	PASS
						-20	1.86	0.00222	PASS
						-10	-0.84	-0.001	PASS
						0	4.91	0.00587	PASS
						10	3.88	0.00464	PASS
						20	2.03	0.00243	PASS
						30	3.33	0.00398	PASS
						40	5.38	0.00643	PASS
				50		1.9	0.00227	PASS	
				HCH		-30	2.88	0.0034	PASS
						-20	0.69	0.00082	PASS
						-10	3.63	0.00429	PASS
						0	2.25	0.00266	PASS
						10	2.68	0.00317	PASS
						20	4.32	0.0051	PASS
		30	1.43		0.00169	PASS			
		40	3.5		0.00413	PASS			
		50	2.39	0.00282	PASS				
		10	LCH		VN	-30	1.23	0.00148	PASS
						-20	5.65	0.00682	PASS
						-10	0.07	0.00008	PASS
						0	1.8	0.00217	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	2	0.00241	PASS			
					20	-2.66	-0.00321	PASS			
					30	1.03	0.00124	PASS			
					40	-1.49	-0.0018	PASS			
					50	4.03	0.00486	PASS			
			MCH	VN	-30	0.64	0.00077	PASS			
					-20	0.07	0.00008	PASS			
					-10	0.11	0.00013	PASS			
					0	-1.73	-0.00207	PASS			
					10	-0.24	-0.00029	PASS			
					20	4.12	0.00493	PASS			
					30	-1.03	-0.00123	PASS			
					40	-0.73	-0.00087	PASS			
			HCH	VN	50	1.53	0.00183	PASS			
					-30	1.63	0.00193	PASS			
					-20	5.11	0.00605	PASS			
					-10	2.82	0.00334	PASS			
					0	-3.59	-0.00425	PASS			
					10	4.08	0.00483	PASS			
					20	3.71	0.0044	PASS			
					30	-2.47	-0.00293	PASS			
			BAND7	LTE/TM1	5	LCH	VN	40	1.87	0.00222	PASS
								50	0.41	0.00049	PASS
								-30	-0.36	-0.00014	PASS
								-20	4.41	0.00176	PASS
								-10	1.73	0.00069	PASS
								0	2.98	0.00119	PASS
								10	1.03	0.00041	PASS
20	8.77	0.0035						PASS			
MCH	VN	30				4.66	0.00186	PASS			
		40				3.42	0.00137	PASS			
		50				9.41	0.00376	PASS			
		-30				2.1	0.00083	PASS			
		-20				0.5	0.0002	PASS			
		-10				0.24	0.00009	PASS			
		0				2.23	0.00088	PASS			
10	2.68	0.00106	PASS								
20	8.83	0.00348	PASS								
30	0.46	0.00018	PASS								

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	0.27	0.00011	PASS
					50	2.25	0.00089	PASS
			HCH	VN	-30	0.14	0.00005	PASS
					-20	1	0.00039	PASS
					-10	0.44	0.00017	PASS
					0	5.48	0.00213	PASS
					10	5.19	0.00202	PASS
					20	1.47	0.00057	PASS
					30	3.15	0.00123	PASS
					40	2.96	0.00115	PASS
		50	2.5	0.00097	PASS			
		10	LCH	VN	-30	3.58	0.00143	PASS
					-20	4.23	0.00169	PASS
					-10	2.63	0.00105	PASS
					0	2.43	0.00097	PASS
					10	1.2	0.00048	PASS
					20	3.73	0.00149	PASS
					30	3.65	0.00146	PASS
					40	1.1	0.00044	PASS
			50	3.96	0.00158	PASS		
			MCH	VN	-30	3.2	0.00126	PASS
					-20	2.16	0.00085	PASS
					-10	-1.59	-0.00063	PASS
					0	0.51	0.0002	PASS
					10	1.13	0.00045	PASS
					20	5.75	0.00227	PASS
					30	1.17	0.00046	PASS
					40	-0.57	-0.00022	PASS
			50	0.99	0.00039	PASS		
			HCH	VN	-30	4.92	0.00192	PASS
					-20	1.27	0.0005	PASS
					-10	-1.62	-0.00063	PASS
					0	1.89	0.00074	PASS
					10	-0.1	-0.00004	PASS
					20	3.83	0.00149	PASS
					30	-0.97	-0.00038	PASS
					40	1.82	0.00071	PASS
			50	0.3	0.00012	PASS		
			15	LCH	VN	-30	-0.09	-0.00004

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-8.94	-0.00357	PASS	
					-10	-1.83	-0.00073	PASS	
					0	0.37	0.00015	PASS	
					10	-0.74	-0.0003	PASS	
					20	0.96	0.00038	PASS	
					30	-0.51	-0.0002	PASS	
					40	2.99	0.00119	PASS	
					50	9.01	0.00359	PASS	
			MCH	VN	-30	-0.37	-0.00015	PASS	
					-20	-0.97	-0.00038	PASS	
					-10	-2.25	-0.00089	PASS	
					0	2.7	0.00107	PASS	
					10	0.01	0	PASS	
					20	-1.59	-0.00063	PASS	
					30	-1.4	-0.00055	PASS	
					40	0.36	0.00014	PASS	
			HCH	VN	-30	0.87	0.00034	PASS	
					-20	1.67	0.00065	PASS	
					-10	-1.09	-0.00043	PASS	
					0	-1.16	-0.00045	PASS	
					10	1.22	0.00048	PASS	
					20	-4.84	-0.00189	PASS	
					30	1.93	0.00075	PASS	
					40	3.96	0.00155	PASS	
			20	LCH	VN	-30	-0.86	-0.00034	PASS
						-20	-0.09	-0.00004	PASS
						-10	-1.95	-0.00078	PASS
						0	-1.02	-0.00041	PASS
		10				-1.12	-0.00045	PASS	
		20				-0.37	-0.00015	PASS	
		30				-0.36	-0.00014	PASS	
		40				-2.95	-0.00118	PASS	
		50		0.11	0.00004	PASS			
		MCH		VN	-30	-0.82	-0.00032	PASS	
					-20	-0.51	-0.0002	PASS	
					-10	-0.34	-0.00013	PASS	
			0		-1.59	-0.00063	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.63	0.00025	PASS
					20	0.2	0.00008	PASS
					30	-1.79	-0.00071	PASS
					40	-2.12	-0.00084	PASS
					50	-1.62	-0.00064	PASS
			HCH	VN	-30	-4.91	-0.00192	PASS
					-20	-1.63	-0.00064	PASS
					-10	0.96	0.00038	PASS
					0	1.1	0.00043	PASS
					10	-1.8	-0.0007	PASS
					20	0.09	0.00004	PASS
					30	-0.8	-0.00031	PASS
					40	-1.6	-0.00063	PASS
					50	-1.7	-0.00066	PASS
					LCH	VN	-30	2.86
			-20	1.39			0.00056	PASS
			-10	2.85			0.00114	PASS
			0	4.96			0.00198	PASS
			10	0.13			0.00005	PASS
			20	1.73			0.00069	PASS
	30	1.8	0.00072	PASS				
	40	1.6	0.00064	PASS				
	50	1.75	0.0007	PASS				
	MCH	VN	-30	1.49			0.00059	PASS
			-20	2.02	0.0008	PASS		
			-10	3.18	0.00125	PASS		
			0	1.65	0.00065	PASS		
			10	1.63	0.00064	PASS		
			20	1.63	0.00064	PASS		
			30	0.56	0.00022	PASS		
			40	2.35	0.00093	PASS		
			50	1.87	0.00074	PASS		
			HCH	VN	-30	2.65	0.00103	PASS
	-20	0.51			0.0002	PASS		
	-10	4.51			0.00176	PASS		
	0	1.67			0.00065	PASS		
	10	3.98			0.00155	PASS		
	20	1.5			0.00058	PASS		
	30	14.19			0.00553	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-1.2	-0.00047	PASS
					50	3.29	0.00128	PASS
		10	LCH	VN	-30	1.39	0.00055	PASS
					-20	-5.79	-0.00231	PASS
					-10	-0.39	-0.00016	PASS
					0	3.42	0.00137	PASS
					10	-0.11	-0.00004	PASS
					20	0.37	0.00015	PASS
					30	0.27	0.00011	PASS
					40	1.2	0.00048	PASS
					50	0.92	0.00037	PASS
					MCH	VN	-30	0.6
			-20	-0.2			-0.00008	PASS
			-10	-2.88			-0.00114	PASS
			0	-0.47			-0.00019	PASS
			10	0.09			0.00004	PASS
			20	-0.06			-0.00002	PASS
			30	-1.09			-0.00043	PASS
			40	-1.5			-0.00059	PASS
			HCH	VN	-30	-3.91	-0.00152	PASS
		-20			2.8	0.00109	PASS	
		-10			3.02	0.00118	PASS	
		0			-0.03	-0.00001	PASS	
		10			2.56	0.001	PASS	
		20			0.21	0.00008	PASS	
		30			2.09	0.00081	PASS	
		40			0.77	0.0003	PASS	
		15	LCH	VN	-30	-1.63	-0.00065	PASS
					-20	-1.14	-0.00045	PASS
					-10	1.2	0.00048	PASS
					0	1.57	0.00063	PASS
					10	-3.55	-0.00142	PASS
					20	-0.94	-0.00037	PASS
					30	1.73	0.00069	PASS
					40	2.39	0.00095	PASS
					50	1.62	0.00065	PASS
					MCH	VN	-30	-0.63

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	-1.13	-0.00045	PASS		
					-10	0.21	0.00008	PASS		
					0	-0.44	-0.00017	PASS		
					10	2.68	0.00106	PASS		
					20	-0.54	-0.00021	PASS		
					30	-0.7	-0.00028	PASS		
					40	-0.43	-0.00017	PASS		
					50	-3.03	-0.0012	PASS		
			HCH	VN	-30	-0.46	-0.00018	PASS		
					-20	-0.2	-0.00008	PASS		
					-10	1.04	0.00041	PASS		
					0	-0.03	-0.00001	PASS		
					10	0.89	0.00035	PASS		
					20	0.86	0.00034	PASS		
					30	0.89	0.00035	PASS		
					40	1.49	0.00058	PASS		
			LCH	VN	-30	-1.16	-0.00046	PASS		
					-20	-5.12	-0.00204	PASS		
					-10	0.36	0.00014	PASS		
					0	-0.92	-0.00037	PASS		
		10			-0.43	-0.00017	PASS			
		20			-2.12	-0.00084	PASS			
		30			-0.87	-0.00035	PASS			
		40			-2.49	-0.00099	PASS			
		MCH	VN	-30	0.33	0.00013	PASS			
				-20	-0.8	-0.00032	PASS			
				-10	1.07	0.00042	PASS			
				0	-0.9	-0.00036	PASS			
				10	-1.29	-0.00051	PASS			
				20	-3.26	-0.00129	PASS			
				30	-1.22	-0.00048	PASS			
				40	-0.89	-0.00035	PASS			
		HCH	VN	-30	-0.66	-0.00026	PASS			
				-20	-0.5	-0.0002	PASS			
				-10	0.04	0.00002	PASS			
				0	-3.25	-0.00127	PASS			
		20					-20	-1.13	-0.00045	PASS
							-10	0.21	0.00008	PASS
							0	-0.44	-0.00017	PASS
							10	2.68	0.00106	PASS
20	-0.54						-0.00021	PASS		
30	-0.7						-0.00028	PASS		
40	-0.43						-0.00017	PASS		
50	-3.03						-0.0012	PASS		
-30	-0.46						-0.00018	PASS		
-20	-0.2						-0.00008	PASS		
-10	1.04						0.00041	PASS		
0	-0.03						-0.00001	PASS		
10	0.89	0.00035	PASS							
20	0.86	0.00034	PASS							
30	0.89	0.00035	PASS							
40	1.49	0.00058	PASS							
50	-0.49	-0.00019	PASS							
-30	-1.16	-0.00046	PASS							
-20	-5.12	-0.00204	PASS							
-10	0.36	0.00014	PASS							
0	-0.92	-0.00037	PASS							
10	-0.43	-0.00017	PASS							
20	-2.12	-0.00084	PASS							
30	-0.87	-0.00035	PASS							
40	-2.49	-0.00099	PASS							
50	-0.07	-0.00003	PASS							
-30	0.33	0.00013	PASS							
-20	-0.8	-0.00032	PASS							
-10	1.07	0.00042	PASS							
0	-0.9	-0.00036	PASS							
10	-1.29	-0.00051	PASS							
20	-3.26	-0.00129	PASS							
30	-1.22	-0.00048	PASS							
40	-0.89	-0.00035	PASS							
50	-2.07	-0.00082	PASS							
-30	-0.66	-0.00026	PASS							
-20	-0.5	-0.0002	PASS							
-10	0.04	0.00002	PASS							
0	-3.25	-0.00127	PASS							



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-1.72	-0.00067	PASS
					20	0.04	0.00002	PASS
					30	0.21	0.00008	PASS
					40	1.23	0.00048	PASS
					50	-0.8	-0.00031	PASS

END