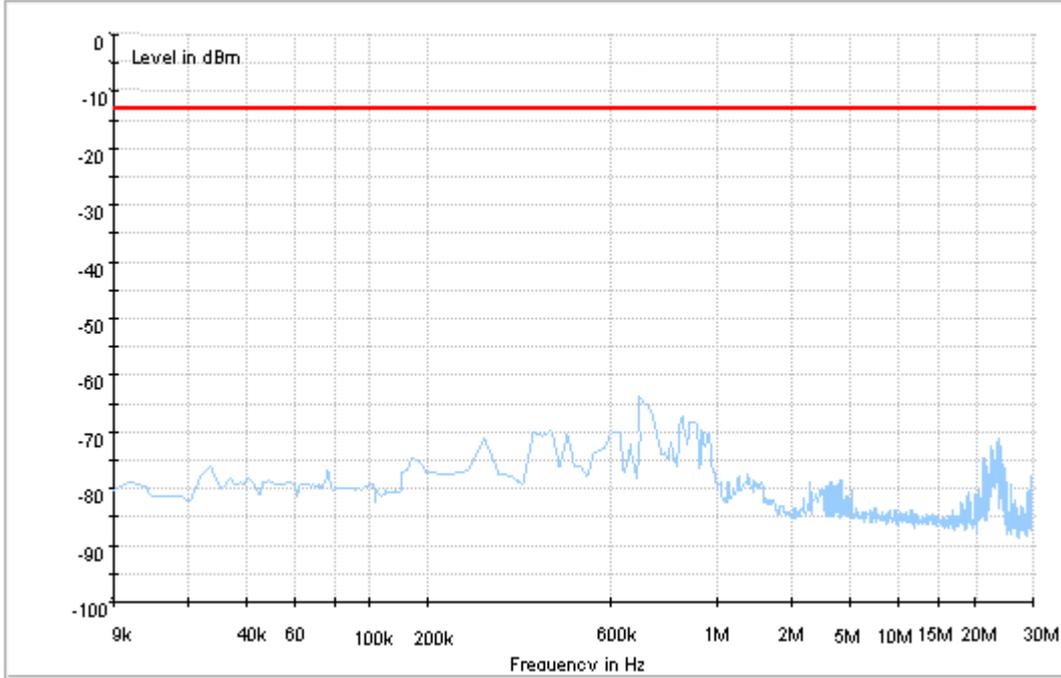
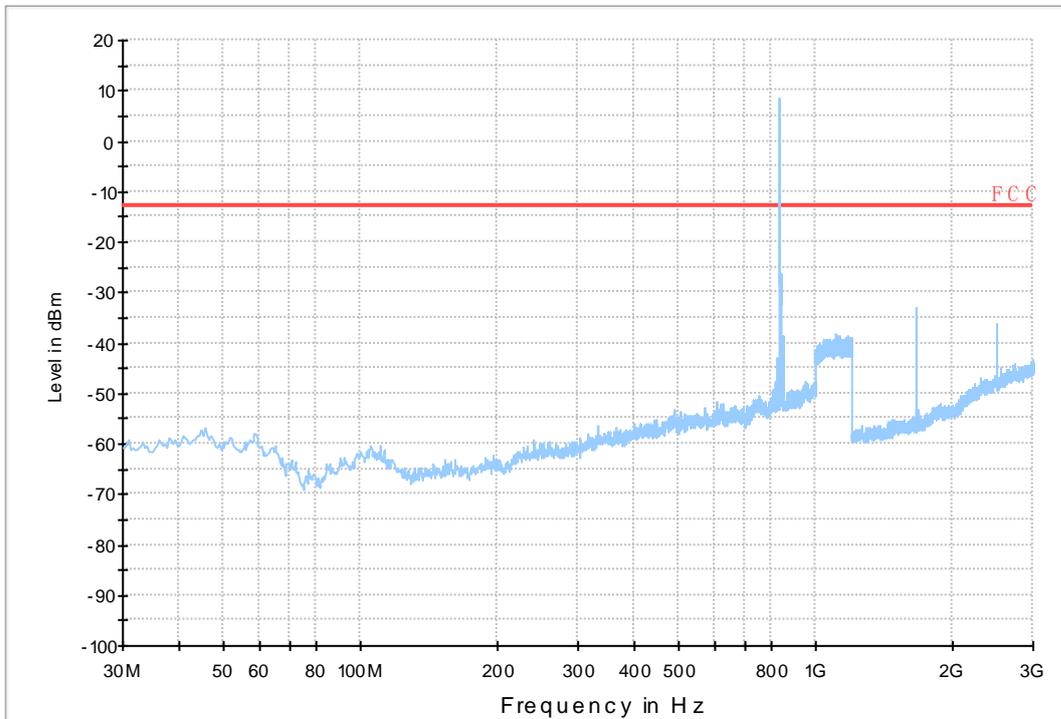


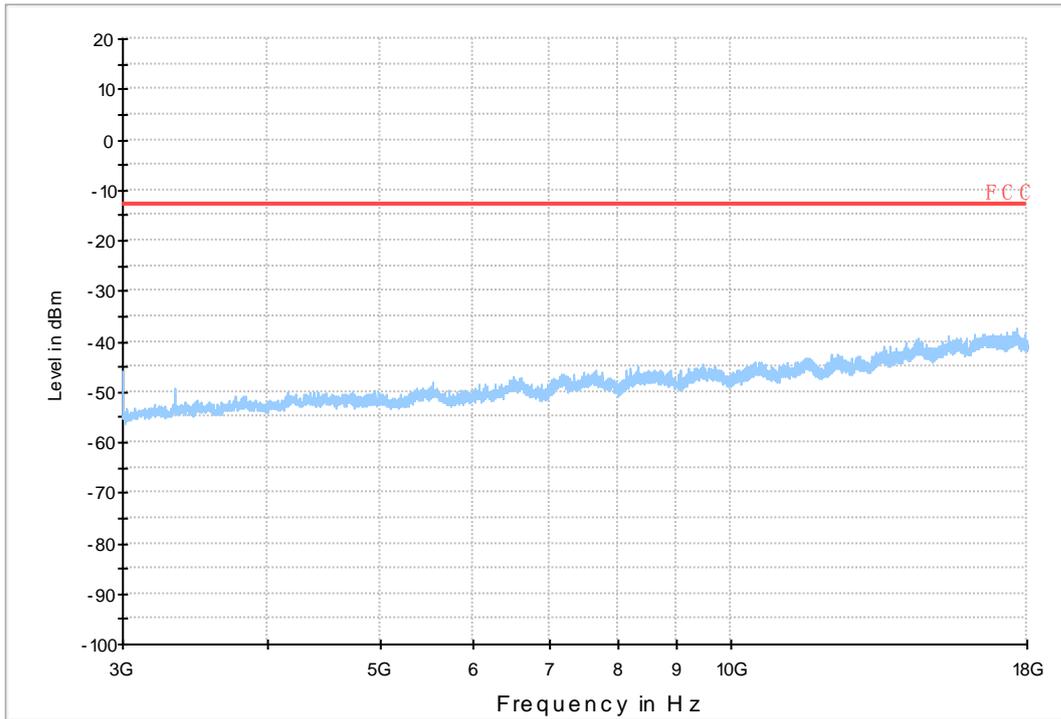
7.1.2.2 Test Bandwidth = 10



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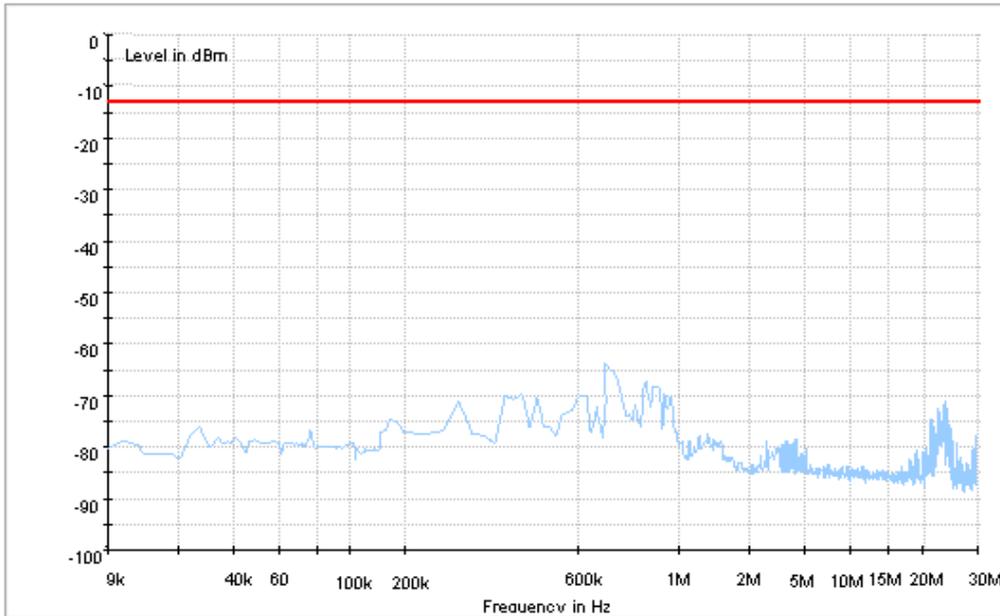
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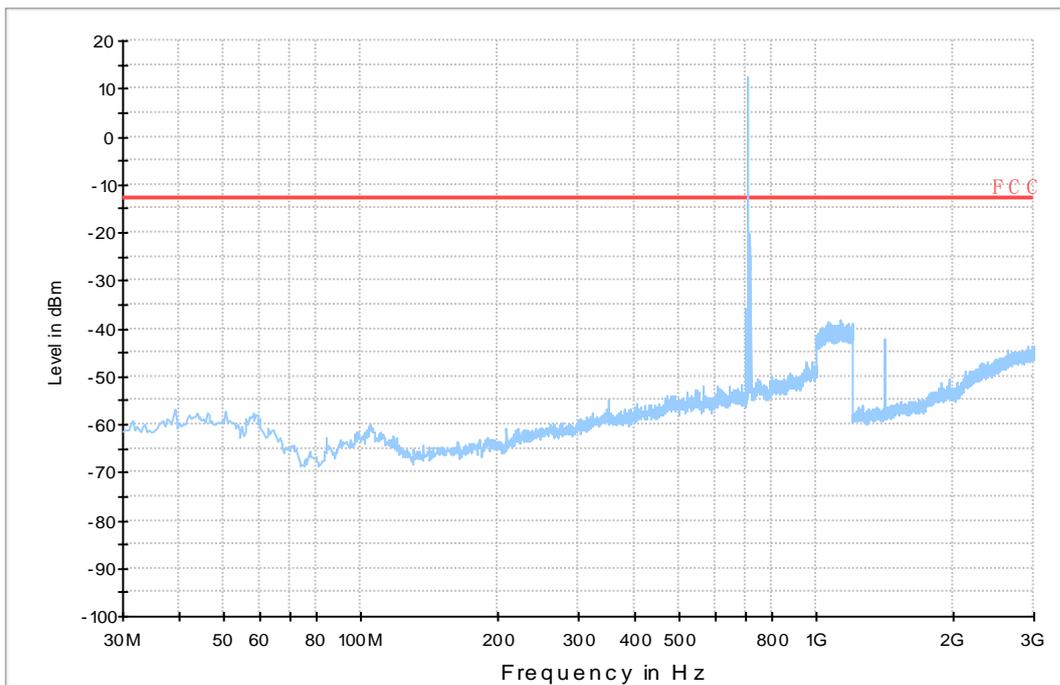
7.2 For LTE

7.2.1 Test Band = BAND17_Ant1

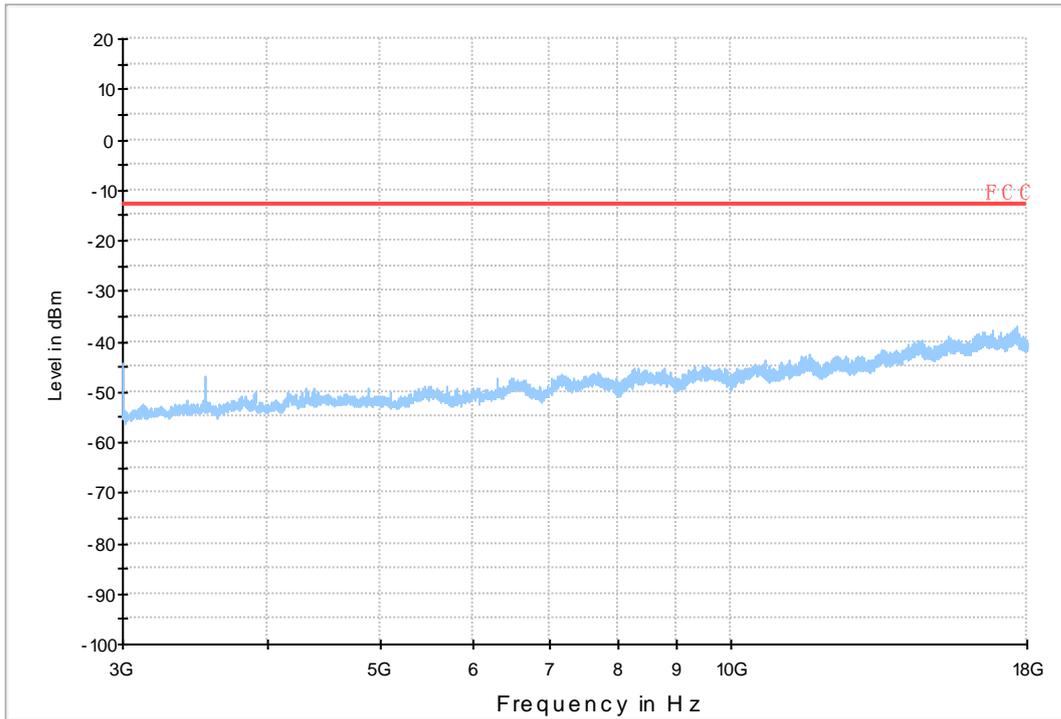
7.2.1.1 Test Bandwidth = 5



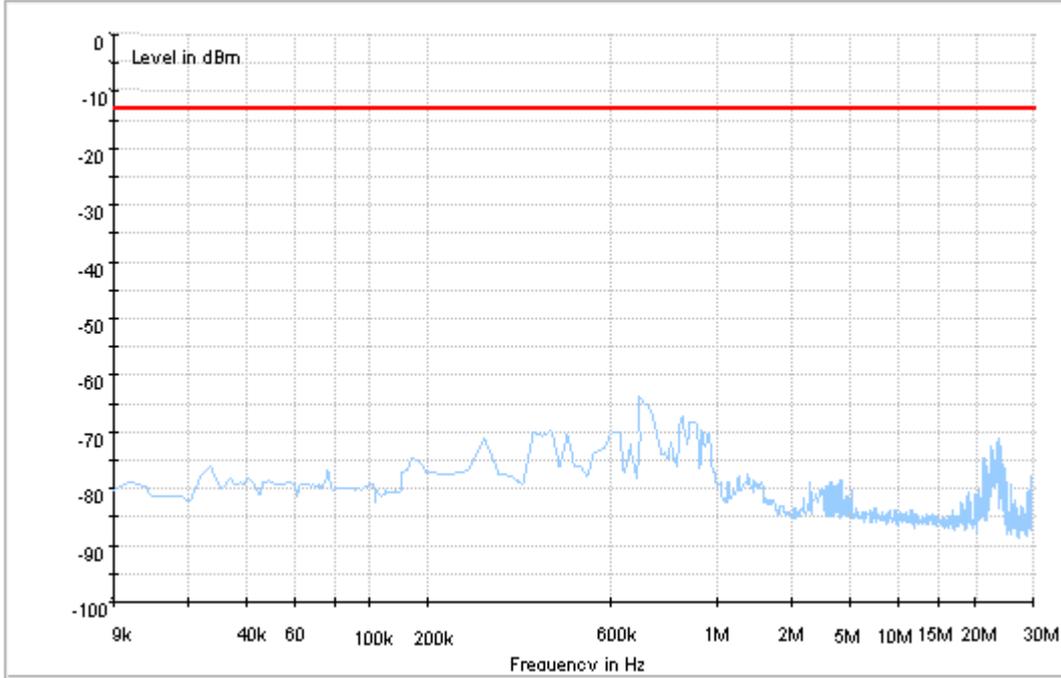
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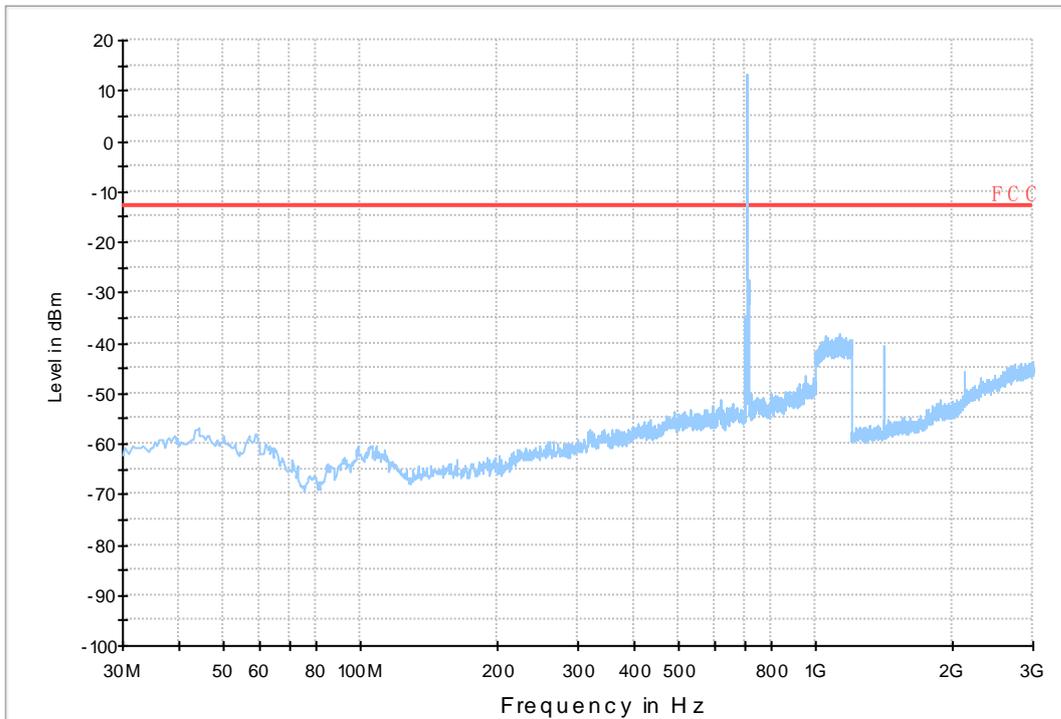
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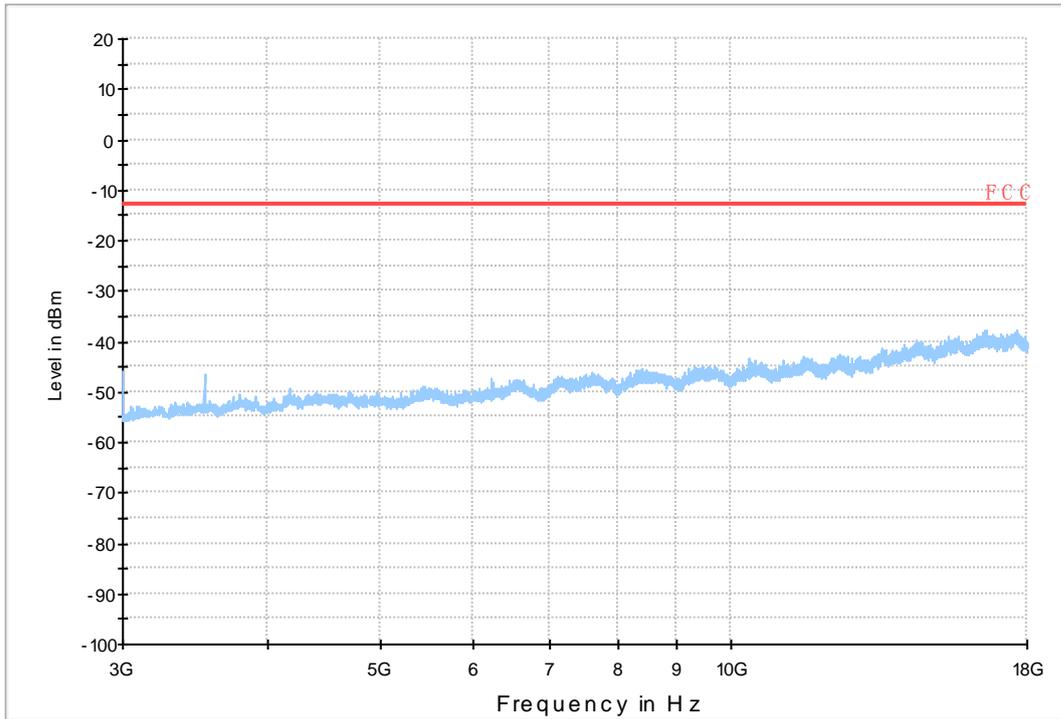
7.2.1.2 Test Bandwidth = 10



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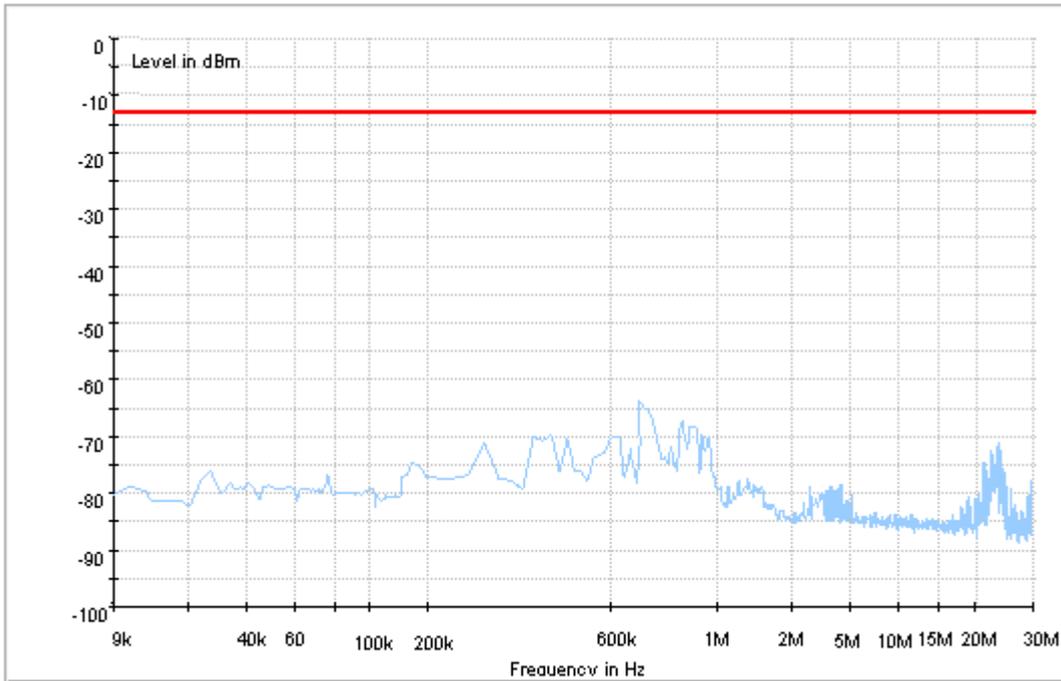


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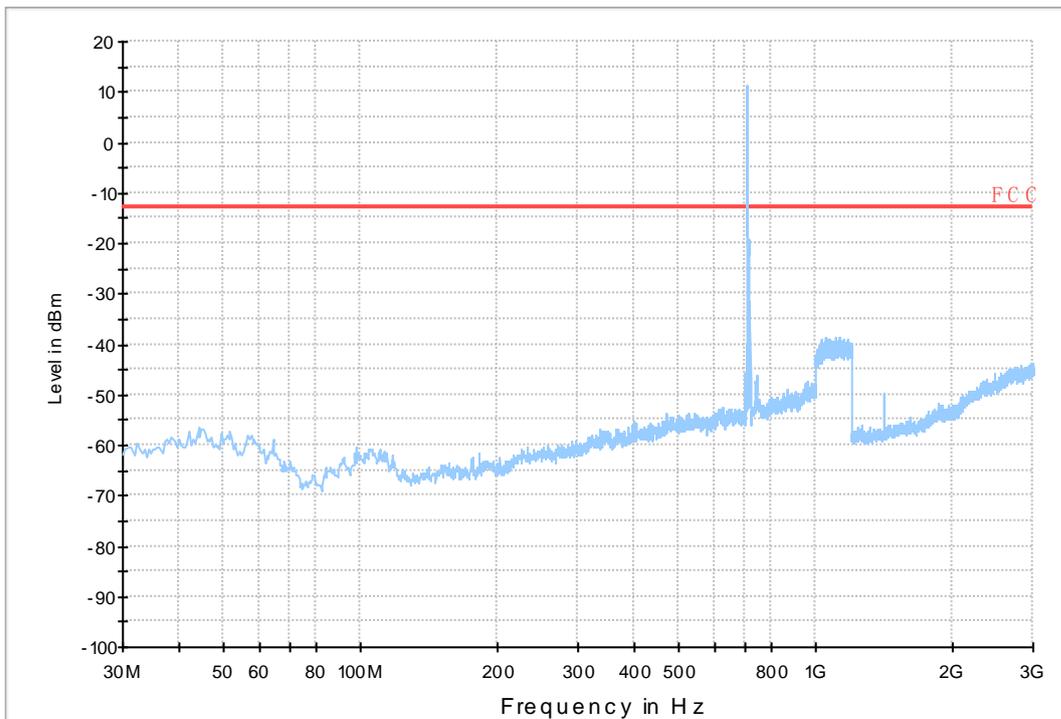


7.2.2 Test Band = BAND17_Ant2

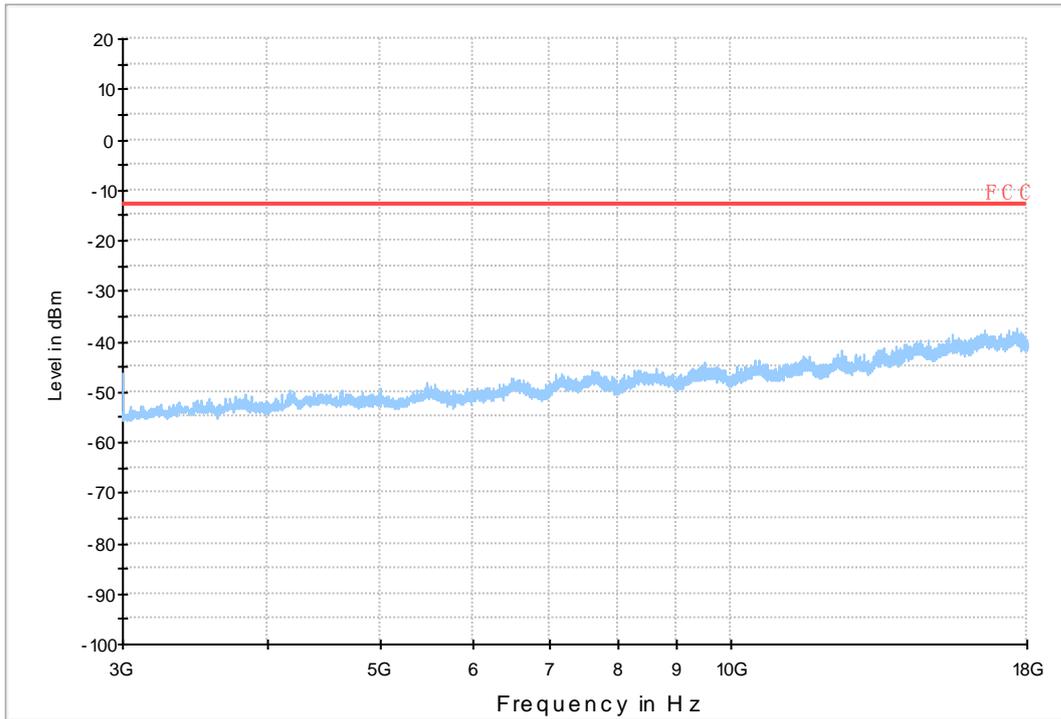
7.2.2.1 Test Bandwidth = 5



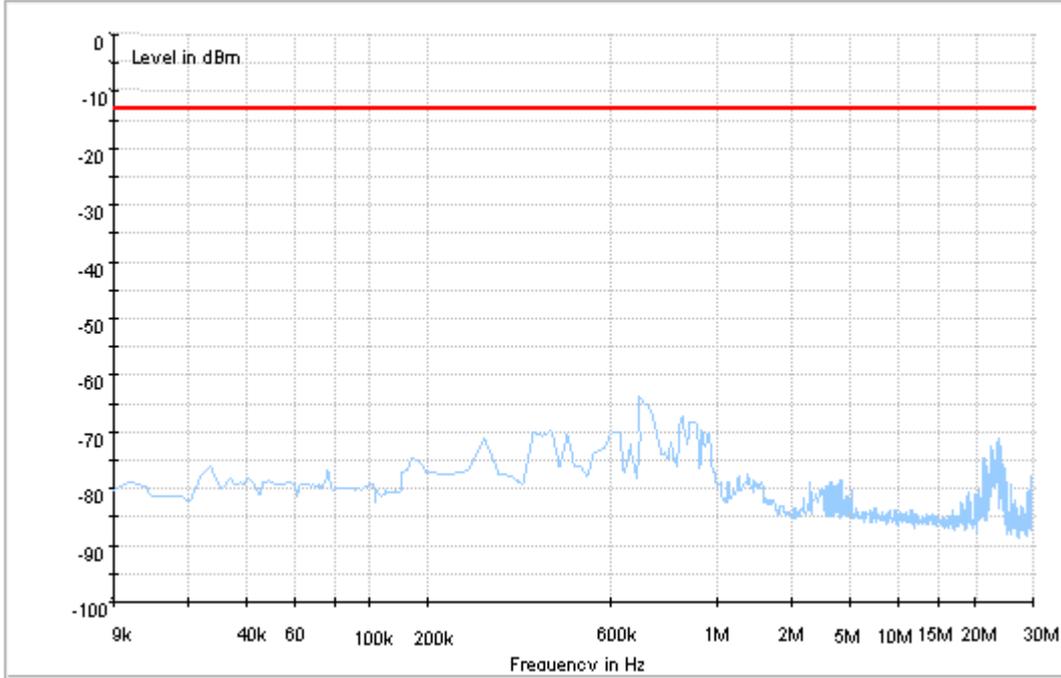
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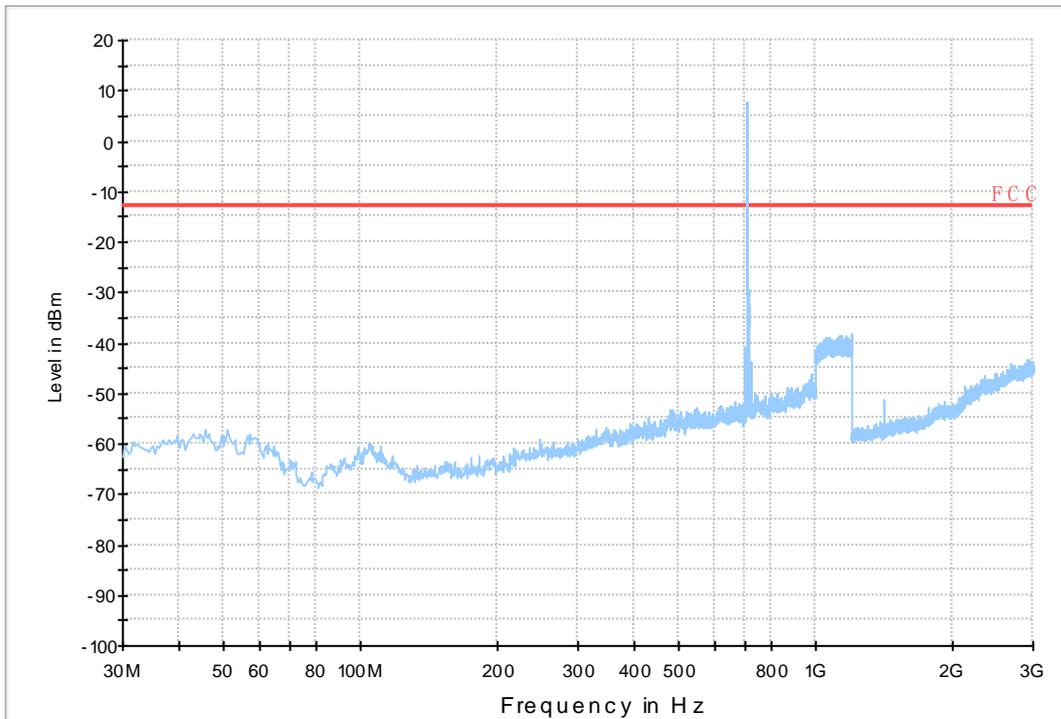
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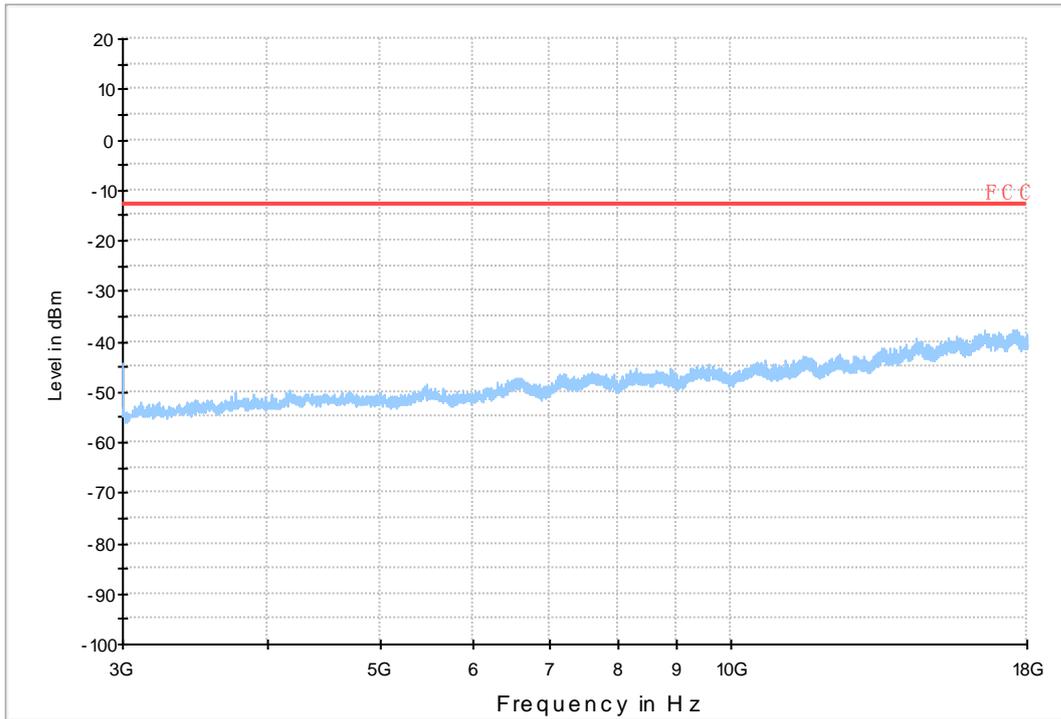
7.2.2.2 Test Bandwidth = 10



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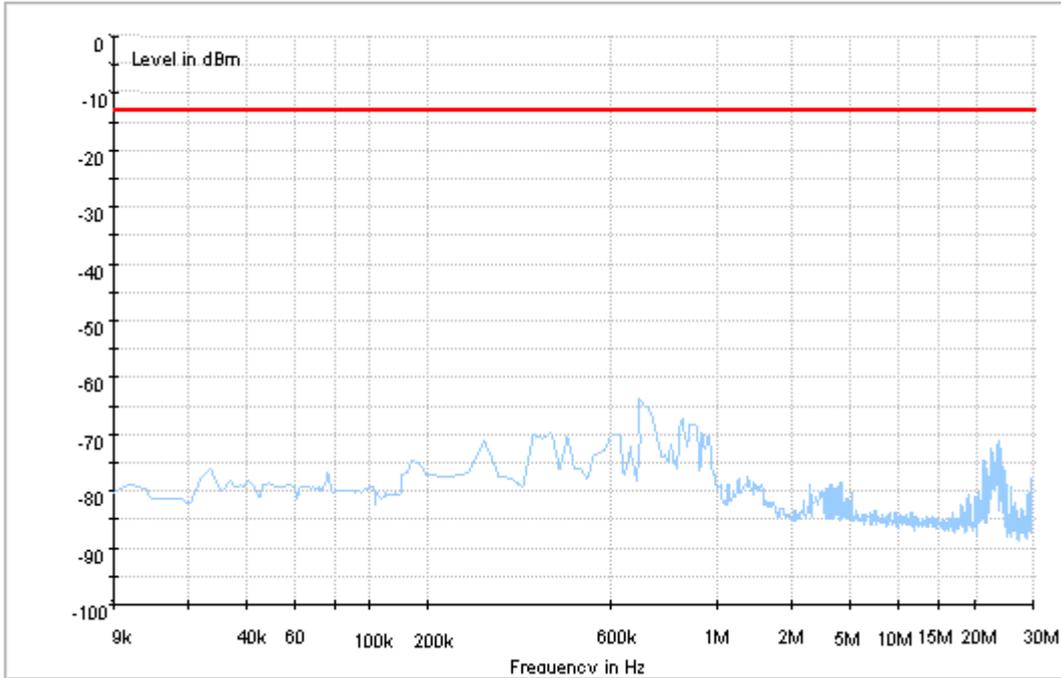
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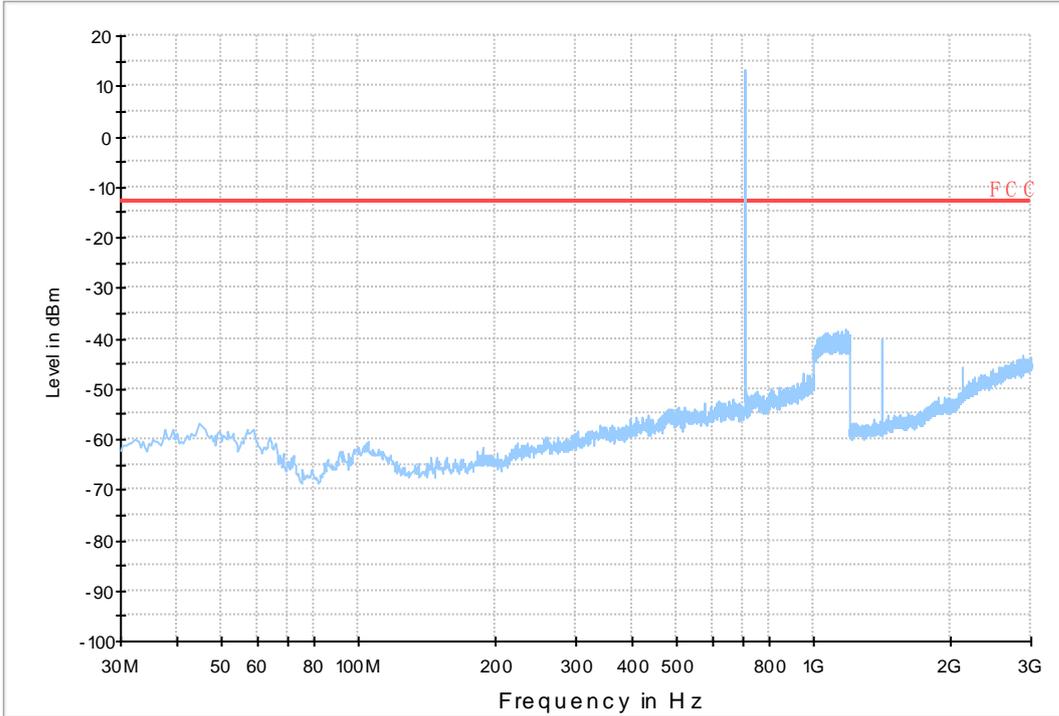
7.3 For LTE

7.3.1 Test Band = BAND12_Ant1

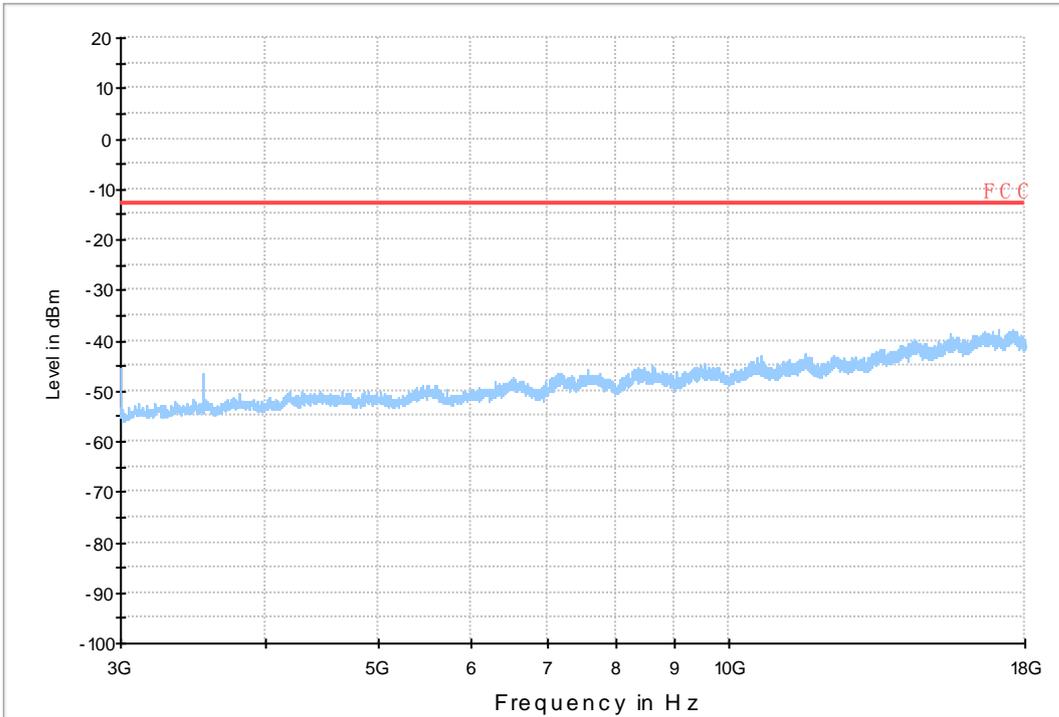
7.3.1.1 Test Bandwidth = 1.4



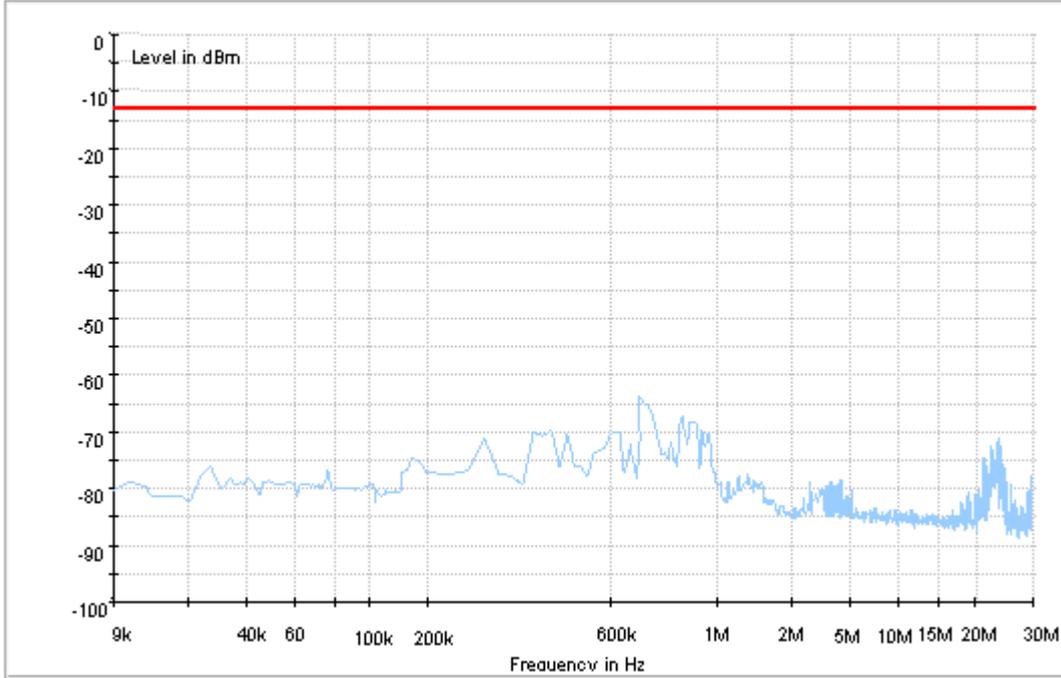
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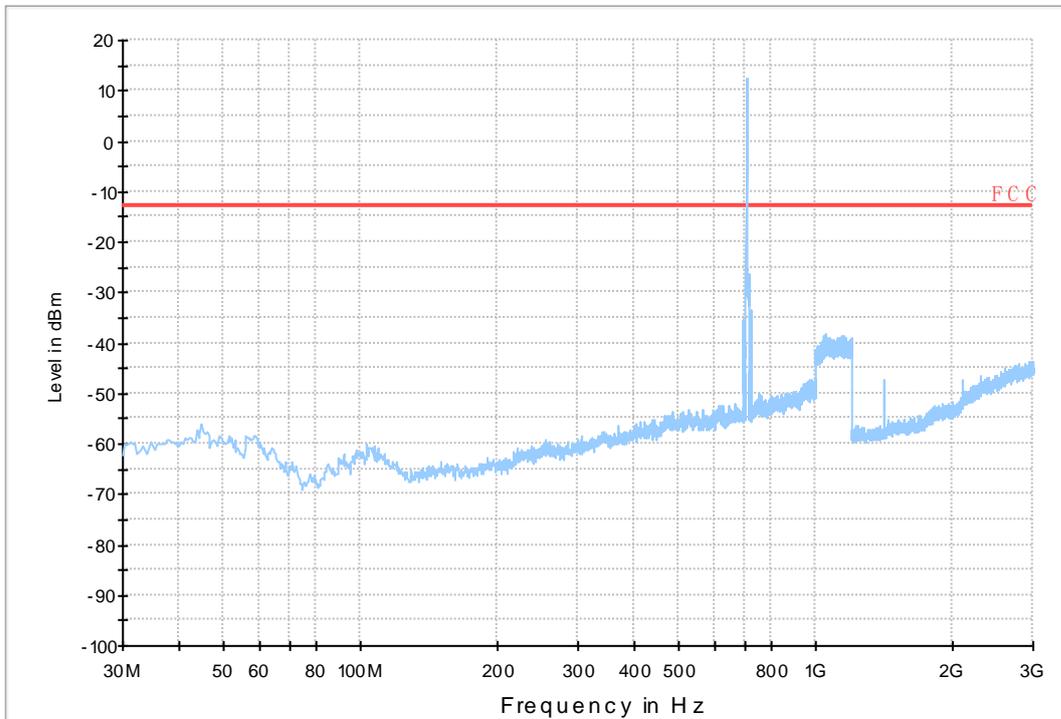
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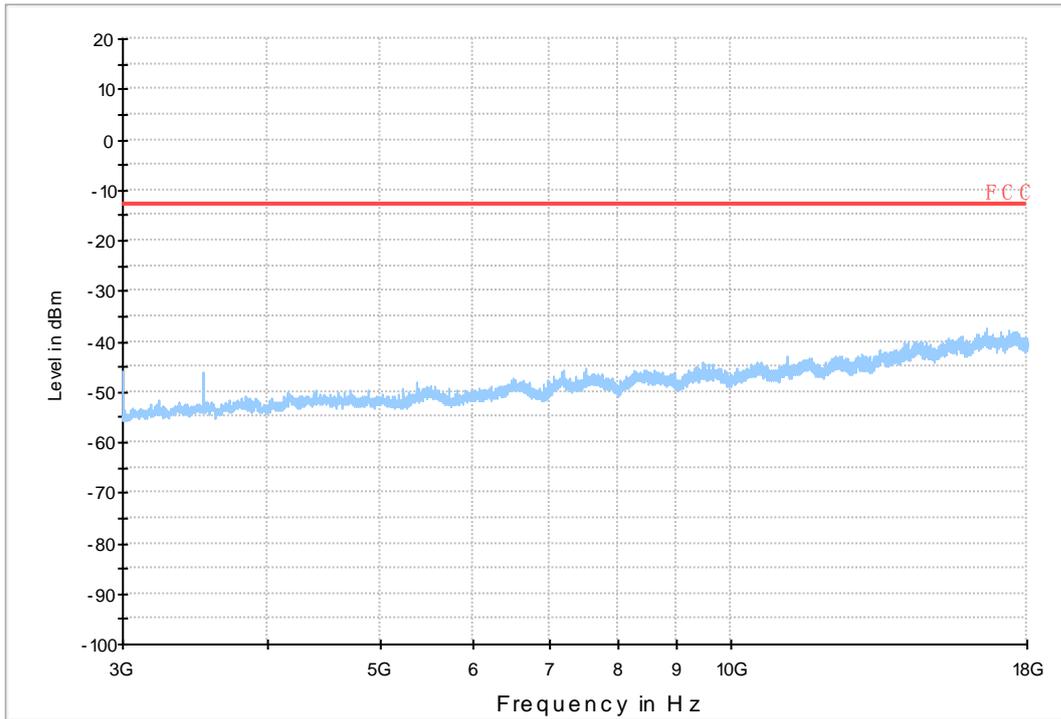
7.3.1.2 Test Bandwidth = 10



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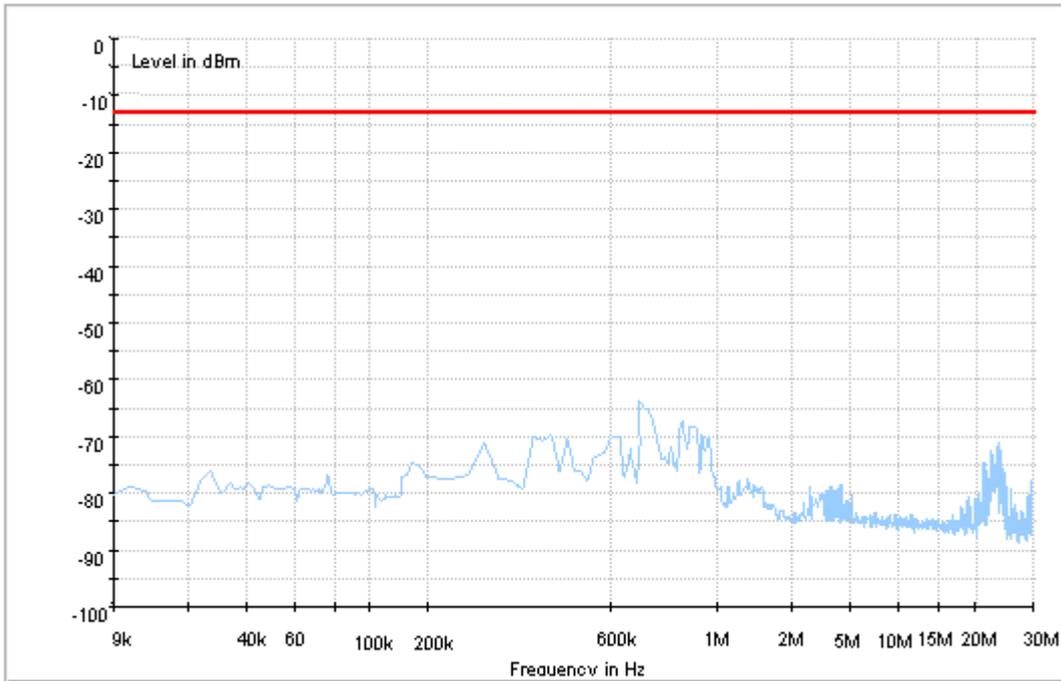


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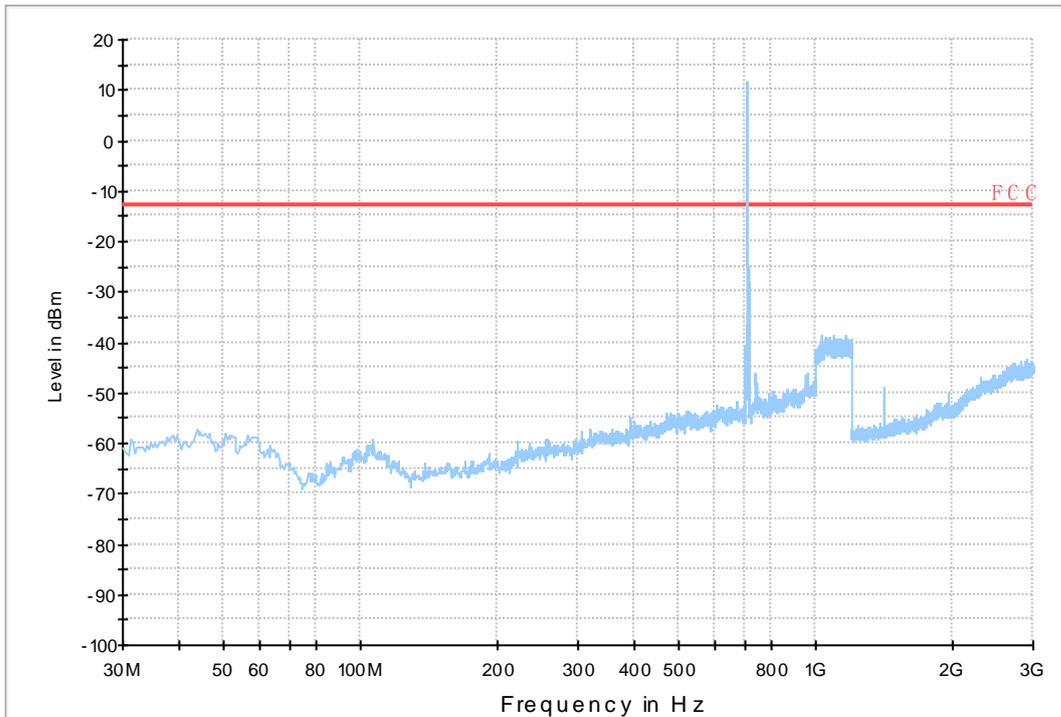


7.3.2 Test Band = BAND12_Ant2

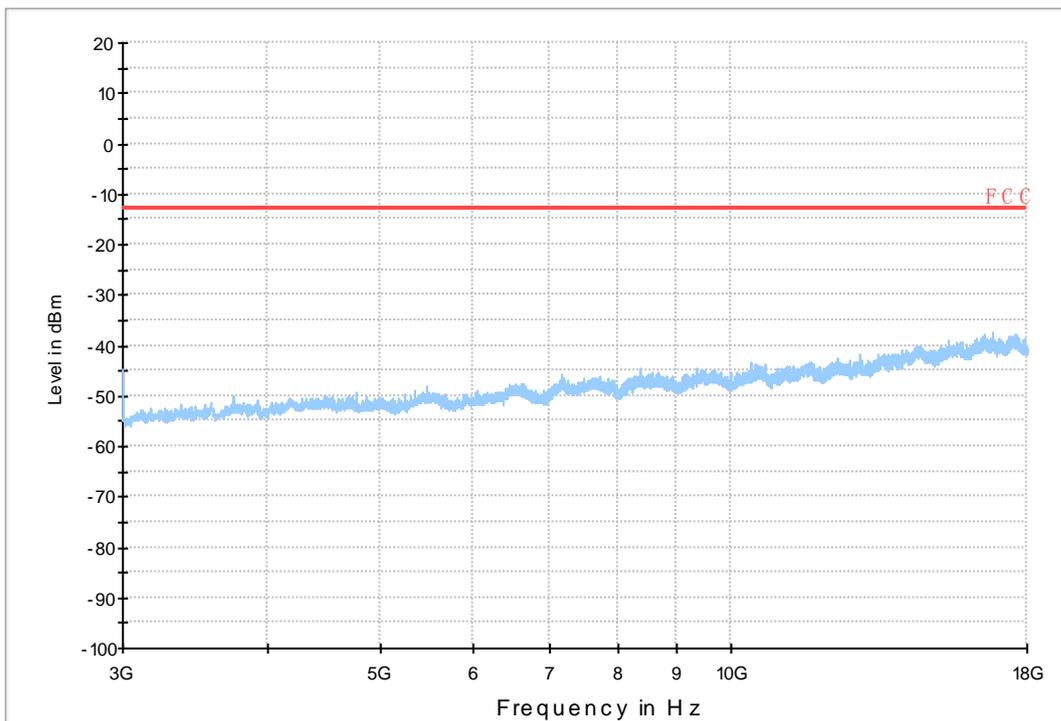
7.3.2.1 Test Bandwidth = 1.4



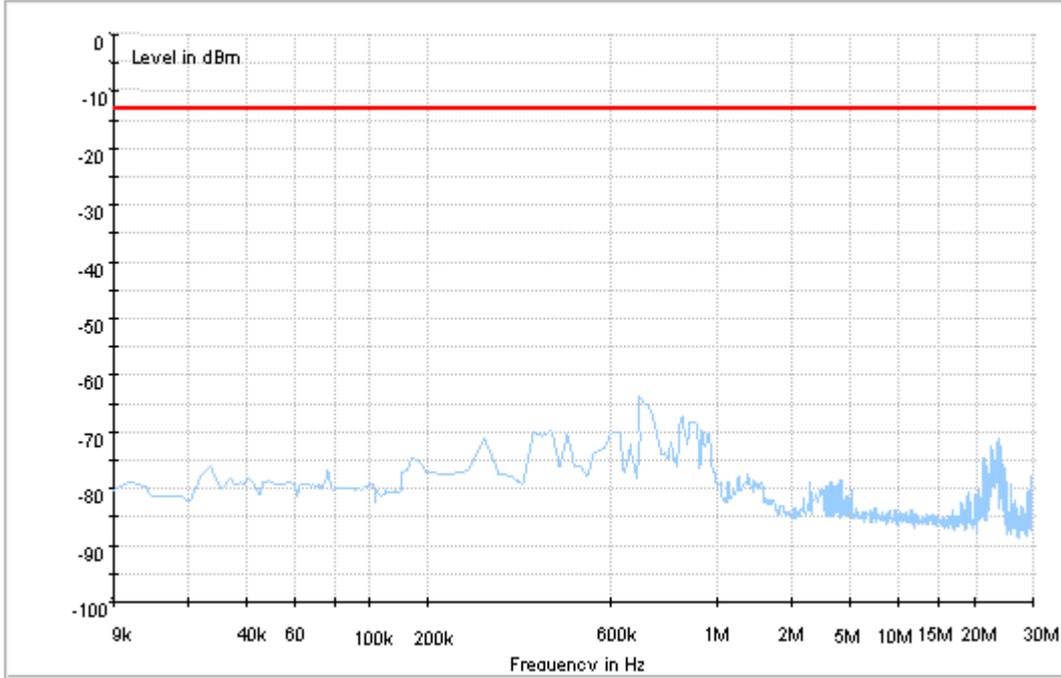
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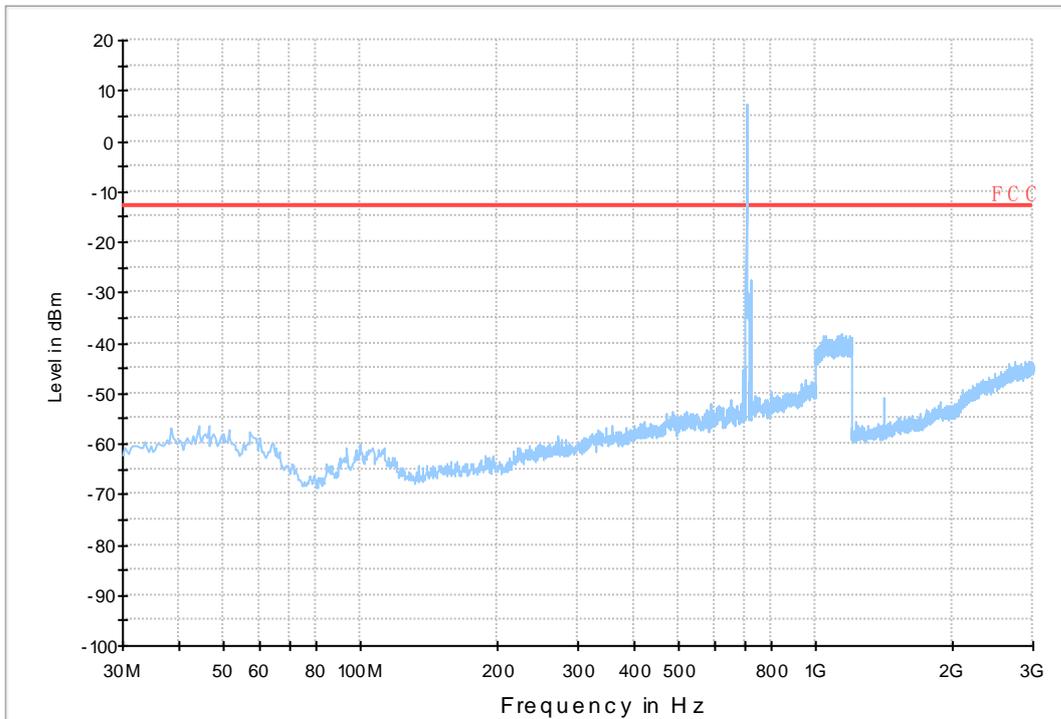
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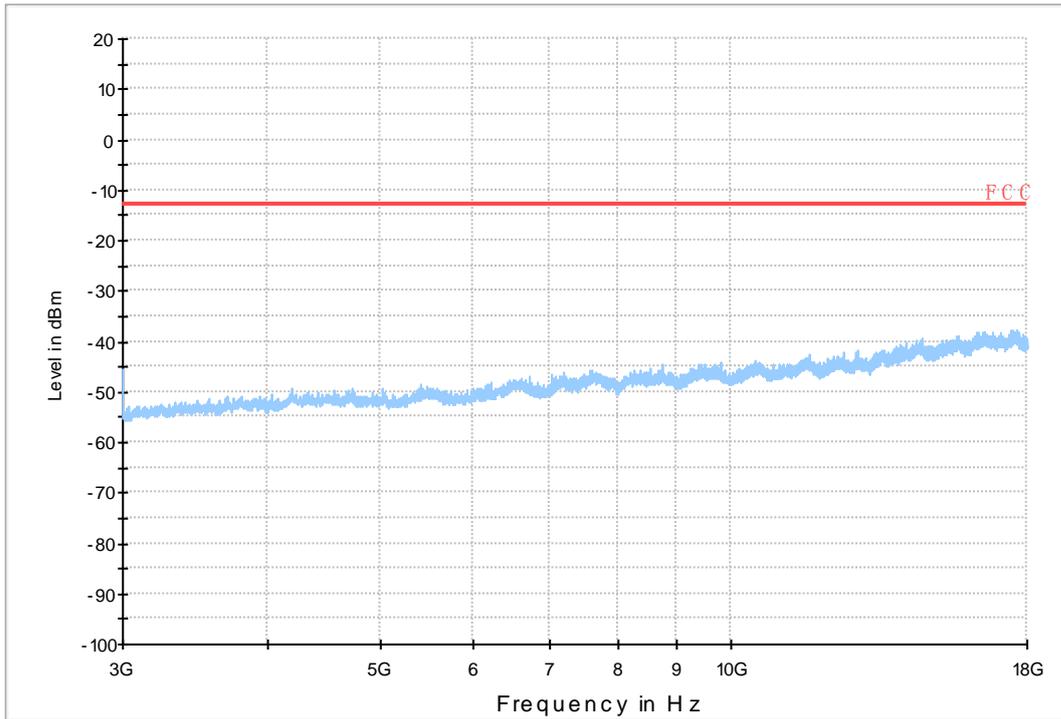
7.3.2.2 Test Bandwidth = 10



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8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 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
BAND5	LTE/TM1	1.4	LCH	TN	VL	-3.06	-0.00371	PASS
					VN	1.69	0.00205	PASS
					VH	3.85	0.00467	PASS
			MCH	TN	VL	-13.63	-0.01629	PASS
					VN	-3.59	-0.00429	PASS
					VH	-1.60	-0.00191	PASS
			HCH	TN	VL	4.62	0.00545	PASS
					VN	8.65	0.0102	PASS
					VH	-7.10	-0.00837	PASS
		3	LCH	TN	VL	10.63	0.01288	PASS
					VN	0.33	0.0004	PASS
					VH	-5.55	-0.00672	PASS
			MCH	TN	VL	13.53	0.01617	PASS
					VN	2.85	0.00341	PASS
					VH	-9.14	-0.01093	PASS
			HCH	TN	VL	-2.26	-0.00267	PASS
					VN	0.11	0.00013	PASS
					VH	3.08	0.00363	PASS
		5	LCH	TN	VL	1.56	0.00189	PASS
					VN	-1.09	-0.00132	PASS
					VH	1.46	0.00177	PASS
			MCH	TN	VL	2.45	0.00293	PASS
					VN	9.31	0.01113	PASS
					VH	-3.45	-0.00412	PASS
HCH	TN		VL	-4.63	-0.00547	PASS		
			VN	-1.59	-0.00188	PASS		
			VH	1.73	0.00204	PASS		
10	LCH	TN	VL	-8.28	-0.00999	PASS		
			VN	-0.72	-0.00087	PASS		
			VH	0.03	0.00004	PASS		
	MCH	TN	VL	0.82	0.00098	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	18.01	0.02153	PASS		
					VH	33.92	0.04055	PASS		
					HCH	TN	VL	-4.38	-0.00519	PASS
							VN	-1.57	-0.00186	PASS
					VH	1.49	0.00177	PASS		
			LCH	TN	VL	-10.39	-0.0126	PASS		
					VN	7.21	0.00874	PASS		
					VH	-5.87	-0.00712	PASS		
					MCH	TN	VL	-7.10	-0.00849	PASS
							VN	27.08	0.03237	PASS
	VH	8.15	0.00974	PASS						
	HCH	TN	VL	2.73	0.00322	PASS				
			VN	-4.53	-0.00534	PASS				
			VH	-3.68	-0.00434	PASS				
			LCH	TN	VL	-3.83	-0.00464	PASS		
	VN	-2.35			-0.00285	PASS				
	VH	-7.60			-0.00921	PASS				
	3	MCH	TN	VL	6.07	0.00726	PASS			
				VN	-6.28	-0.00751	PASS			
				VH	7.62	0.00911	PASS			
		HCH	TN	VL	-0.44	-0.00052	PASS			
				VN	-2.59	-0.00306	PASS			
				VH	-0.67	-0.00079	PASS			
	5	LCH	TN	VL	-1.06	-0.00128	PASS			
				VN	0.09	0.00011	PASS			
				VH	2.88	0.00348	PASS			
		MCH	TN	VL	-4.63	-0.00553	PASS			
				VN	3.42	0.00409	PASS			
				VH	-7.20	-0.00861	PASS			
		HCH	TN	VL	0.46	0.00054	PASS			
				VN	1.16	0.00137	PASS			
				VH	3.50	0.00413	PASS			
	10	LCH	TN	VL	-2.23	-0.00269	PASS			
				VN	-2.59	-0.00312	PASS			
				VH	0.23	0.00028	PASS			
		MCH	TN	VL	-10.30	-0.01231	PASS			
				VN	-40.53	-0.04845	PASS			
				VH	-0.21	-0.00025	PASS			
		HCH	TN	VL	-1.03	-0.00122	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-4.85	-0.00575	PASS
					VH	-1.62	-0.00192	PASS
Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND17	LTE/TM1	5	LCH	TN	VL	-0.70	-0.00099	PASS
					VN	0.90	0.00127	PASS
					VH	0.64	0.00091	PASS
			MCH	TN	VL	2.25	0.00317	PASS
					VN	-0.62	-0.00087	PASS
					VH	1.95	0.00275	PASS
		HCH	TN	VL	-0.70	-0.00098	PASS	
				VN	-1.39	-0.00195	PASS	
				VH	0.09	0.00013	PASS	
		10	LCH	TN	VL	-0.66	-0.00093	PASS
					VN	3.48	0.00491	PASS
					VH	0.00	0	PASS
			MCH	TN	VL	-0.84	-0.00118	PASS
					VN	-2.26	-0.00318	PASS
					VH	0.57	0.0008	PASS
	HCH	TN	VL	-0.04	-0.00006	PASS		
			VN	0.84	0.00118	PASS		
			VH	1.12	0.00158	PASS		
	LTE/TM2	5	LCH	TN	VL	-2.33	-0.0033	PASS
					VN	-0.24	-0.00034	PASS
					VH	-2.25	-0.00318	PASS
			MCH	TN	VL	1.17	0.00165	PASS
					VN	0.20	0.00028	PASS
					VH	1.42	0.002	PASS
		HCH	TN	VL	-0.92	-0.00129	PASS	
				VN	1.40	0.00196	PASS	
				VH	1.30	0.00182	PASS	
10		LCH	TN	VL	4.29	0.00605	PASS	
				VN	-0.62	-0.00087	PASS	
				VH	-2.50	-0.00353	PASS	
	MCH	TN	VL	-0.49	-0.00069	PASS		
			VN	0.19	0.00027	PASS		
			VH	1.72	0.00242	PASS		
HCH	TN	VL	-1.59	-0.00224	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	0.96	0.00135	PASS
					VH	-1.19	-0.00167	PASS
Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND12	LTE/TM1	1.4	LCH	TN	VL	6.05	0.00865	PASS
					VN	-0.31	-0.00044	PASS
					VH	2.52	0.0036	PASS
			MCH	TN	VL	-2.05	-0.0029	PASS
					VN	1.36	0.00192	PASS
					VH	-1.13	-0.0016	PASS
			HCH	TN	VL	-8.87	-0.0124	PASS
					VN	1.20	0.00168	PASS
					VH	-1.17	-0.00164	PASS
		3	LCH	TN	VL	0.90	0.00128	PASS
					VN	-3.29	-0.0047	PASS
					VH	-2.89	-0.00413	PASS
			MCH	TN	VL	2.05	0.0029	PASS
					VN	0.53	0.00075	PASS
					VH	-4.75	-0.00671	PASS
			HCH	TN	VL	-1.10	-0.00154	PASS
					VN	-1.67	-0.00234	PASS
					VH	2.68	0.00375	PASS
		5	LCH	TN	VL	1.50	0.00214	PASS
					VN	0.90	0.00128	PASS
					VH	1.80	0.00257	PASS
			MCH	TN	VL	-1.79	-0.00253	PASS
					VN	-0.64	-0.0009	PASS
					VH	0.11	0.00016	PASS
			HCH	TN	VL	1.73	0.00242	PASS
					VN	0.63	0.00088	PASS
					VH	-0.04	-0.00006	PASS
		10	LCH	TN	VL	-3.46	-0.00491	PASS
					VN	-2.13	-0.00303	PASS
					VH	-0.59	-0.00084	PASS
MCH	TN		VL	-0.19	-0.00027	PASS		
			VN	-0.01	-0.00001	PASS		
			VH	-0.20	-0.00028	PASS		
HCH	TN		VL	0.39	0.00055	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
	LTE/TM2	1.4	LCH	TN	VN	-0.47	-0.00066	PASS		
					VH	2.07	0.00291	PASS		
					VL	-10.00	-0.01429	PASS		
			MCH	TN	VN	-1.65	-0.00236	PASS		
					VH	-2.02	-0.00289	PASS		
					VL	5.02	0.0071	PASS		
		HCH	TN	VN	-4.26	-0.00602	PASS			
				VH	-12.53	-0.01771	PASS			
				VL	5.15	0.0072	PASS			
		3	LCH	TN	VN	7.40	0.01035	PASS		
					VH	0.83	0.00116	PASS		
					VL	-3.43	-0.0049	PASS		
			MCH	TN	VN	-2.59	-0.0037	PASS		
					VH	2.76	0.00394	PASS		
					VL	0.70	0.00099	PASS		
		HCH	TN	VN	1.59	0.00225	PASS			
				VH	-7.12	-0.01006	PASS			
				VL	-2.72	-0.00381	PASS			
		5	LCH	TN	VN	-4.91	-0.00687	PASS		
					VH	-3.18	-0.00445	PASS		
					VL	-2.57	-0.00366	PASS		
			MCH	TN	VN	2.95	0.00421	PASS		
					VH	1.86	0.00265	PASS		
					VL	-1.33	-0.00188	PASS		
		HCH	TN	VN	-0.86	-0.00122	PASS			
				VH	-1.85	-0.00261	PASS			
				VL	0.39	0.00055	PASS			
		10	LCH	TN	VN	2.85	0.00399	PASS		
					VH	-1.22	-0.00171	PASS		
					VL	-5.06	-0.00719	PASS		
			MCH	TN	VN	-3.69	-0.00524	PASS		
					VH	-2.70	-0.00384	PASS		
					VL	-2.33	-0.00329	PASS		
		HCH	TN	VN	-0.93	-0.00131	PASS			
				VH	-3.03	-0.00428	PASS			
				VL	0.29	0.00041	PASS			
							VN	-1.66	-0.00233	PASS
							VH	0.39	0.00055	PASS

8.3.2 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
BAND5	LTE/TM1	1.4	LCH	VN	-30	4.21	0.00323	PASS
					-20	5.03	0.00422	PASS
					-10	0.52	-0.00125	PASS
					0	-12.09	-0.01654	PASS
					10	9.42	0.00955	PASS
					20	5.17	0.00439	PASS
					30	-15.61	-0.0208	PASS
					40	-12.29	-0.01678	PASS
					50	-6.26	-0.00947	PASS
			MCH	VN	-30	-1.92	-0.00418	PASS
					-20	-2.84	-0.00528	PASS
					-10	-6.01	-0.00907	PASS
					0	-0.11	-0.00201	PASS
					10	1.42	-0.00018	PASS
					20	7.13	0.00664	PASS
		30			-3.51	-0.00608	PASS	
		40			2.51	0.00112	PASS	
		50			10.98	0.01124	PASS	
		HCH	VN	-30	13.78	0.01436	PASS	
				-20	15.51	0.0164	PASS	
				-10	-6.9	-0.01002	PASS	
				0	-10.85	-0.01468	PASS	
				10	-10.71	-0.01451	PASS	
				20	-7.07	-0.01022	PASS	
				30	-7.29	-0.01048	PASS	
				40	-9.15	-0.01267	PASS	
				50	0.65	-0.00112	PASS	
		3	LCH	VN	-30	-3.61	-0.00625	PASS
					-20	-4.61	-0.00746	PASS
					-10	19.79	0.0221	PASS
0	9.18				0.00924	PASS		
10	1.9				0.00043	PASS		
20	-9.95				-0.01393	PASS		
30	7.59				0.00732	PASS		
40	-2.85				-0.00533	PASS		
50	-1.98				-0.00427	PASS		
MCH	VN			-30	-6.64	-0.00982	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	-1.79	-0.00402	PASS		
					-10	-2.48	-0.00485	PASS		
					0	3.33	0.0021	PASS		
					10	-3.93	-0.00658	PASS		
					20	9.84	0.00988	PASS		
					30	-3.97	-0.00663	PASS		
					40	-11.32	-0.01541	PASS		
					50	-9.09	-0.01275	PASS		
			HCH	VN	-30	3.83	0.00263	PASS		
					-20	-0.08	-0.00198	PASS		
					-10	-8.33	-0.01172	PASS		
					0	-0.82	-0.00285	PASS		
					10	-9.19	-0.01273	PASS		
					20	-1.19	-0.00329	PASS		
					30	-2.94	-0.00536	PASS		
					40	-1.71	-0.0039	PASS		
			LCH	VN	-30	-1.31	-0.00346	PASS		
					-20	2.4	0.00103	PASS		
					-10	-2.35	-0.00472	PASS		
					0	3.31	0.00213	PASS		
		10			-8.56	-0.01223	PASS			
		20			1.91	0.00043	PASS			
		30			-2.68	-0.00512	PASS			
		40			-7.75	-0.01125	PASS			
		MCH	VN	-30	-5.17	-0.00806	PASS			
				-20	3.37	0.00215	PASS			
				-10	-7.03	-0.01029	PASS			
				0	7.25	0.00679	PASS			
				10	-7.35	-0.01067	PASS			
				20	-0.69	-0.00271	PASS			
				30	-3.98	-0.00664	PASS			
				40	-4.67	-0.00746	PASS			
		HCH	VN	-30	0.24	-0.0016	PASS			
				-20	2.57	0.00115	PASS			
				-10	-11.08	-0.01498	PASS			
				0	16.27	0.01733	PASS			
		5					-30	-1.31	-0.00346	PASS
							-20	2.4	0.00103	PASS
							-10	-2.35	-0.00472	PASS
							0	3.31	0.00213	PASS
10	-8.56						-0.01223	PASS		
20	1.91						0.00043	PASS		
30	-2.68						-0.00512	PASS		
40	-7.75						-0.01125	PASS		
50	3.71						0.00261	PASS		
-30	-5.17						-0.00806	PASS		
-20	3.37						0.00215	PASS		
-10	-7.03						-0.01029	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	9.61	0.00947	PASS		
					20	0.37	-0.00145	PASS		
					30	1.37	-0.00027	PASS		
					40	4.63	0.00358	PASS		
					50	-0.59	-0.00258	PASS		
					LCH	VN	-30	2.64	0.00131	PASS
							-20	-1.71	-0.00394	PASS
							-10	-1.04	-0.00313	PASS
							0	-3.98	-0.00668	PASS
							10	0.37	-0.00143	PASS
		20	-14.81	-0.01974			PASS			
		30	-13.35	-0.01798			PASS			
		40	-6.7	-0.00996			PASS			
		MCH	VN	50	-4.94	-0.00784	PASS			
				-30	-0.82	-0.00286	PASS			
				-20	117.58	0.13868	PASS			
				-10	124.91	0.14744	PASS			
				0	101.37	0.1193	PASS			
	10			224.71	0.26675	PASS				
	20			61.91	0.07213	PASS				
	30			158.04	0.18705	PASS				
	HCH	VN	40	175.82	0.2083	PASS				
			50	60.93	0.07096	PASS				
			-30	-1.11	-0.0032	PASS				
			-20	-1.34	-0.00347	PASS				
			-10	-1.52	-0.00369	PASS				
			0	-0.64	-0.00264	PASS				
			10	-0.29	-0.00223	PASS				
			20	-0.82	-0.00286	PASS				
	LTE/TM2	1.4	LCH	VN	30	0.69	-0.00107	PASS		
					40	-6.16	-0.00918	PASS		
					50	2.05	0.00054	PASS		
					-30	-6.76	-0.01007	PASS		
-20					2.55	0.00122	PASS			
-10					14.66	0.0159	PASS			
0					11.67	0.01227	PASS			
10					-5.64	-0.00871	PASS			
20					-9.53	-0.01343	PASS			
30	-1.42	-0.0036	PASS							

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	12.02	0.0127	PASS	
					50	19.73	0.02205	PASS	
			MCH	VN	-30	-12.14	-0.01639	PASS	
					-20	-13.51	-0.01803	PASS	
					-10	-8.02	-0.01147	PASS	
					0	3.48	0.00228	PASS	
					10	-8.02	-0.01147	PASS	
					20	-4.78	-0.0076	PASS	
					30	5.1	0.00422	PASS	
					40	4.46	0.00345	PASS	
					50	-0.86	-0.00291	PASS	
					HCH	VN	-30	7.3	0.00672
			-20	-8.76			-0.01221	PASS	
			-10	-16.09			-0.02085	PASS	
			0	1.75			0.00018	PASS	
			10	1.74			0.00016	PASS	
			20	8.53			0.00817	PASS	
			30	-2.5			-0.00483	PASS	
		40	7.45	0.00689			PASS		
		3		LCH	VN	-30	14.11	0.01522	PASS
						-20	-13.85	-0.01865	PASS
						-10	25.87	0.02946	PASS
						0	8.48	0.0084	PASS
						10	3.23	0.00204	PASS
						20	-3.5	-0.00612	PASS
						30	45.25	0.05294	PASS
						40	-7.39	-0.01083	PASS
						50	-1.61	-0.00383	PASS
				MCH	VN	-30	8.09	0.00779	PASS
						-20	1.07	-0.0006	PASS
						-10	1.02	-0.00066	PASS
						0	-2.88	-0.00532	PASS
						10	5.86	0.00512	PASS
						20	-6.62	-0.0098	PASS
						30	4.36	0.00333	PASS
						40	6.47	0.00585	PASS
50	-9.75					-0.01354	PASS		
HCH	VN	-30	-1.15	-0.00324	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					-20	-4.2	-0.00684	PASS					
					-10	-0.75	-0.00277	PASS					
					0	-0.38	-0.00234	PASS					
					10	0.35	-0.00147	PASS					
					20	-5.06	-0.00786	PASS					
					30	-1.54	-0.0037	PASS					
					40	-0.81	-0.00284	PASS					
					50	-2.31	-0.00461	PASS					
		5	LCH	VN	-30	11.8	0.0124	PASS					
					-20	5.04	0.00422	PASS					
					-10	7.69	0.00743	PASS					
					0	3.07	0.00184	PASS					
					10	-0.51	-0.00249	PASS					
					20	2.54	0.0012	PASS					
					30	0.65	-0.00109	PASS					
					40	0.44	-0.00134	PASS					
			MCH	VN	-30	-3.34	-0.00587	PASS					
					-20	5.84	0.0051	PASS					
					-10	0.61	-0.00115	PASS					
					0	0.14	-0.00171	PASS					
					10	1.58	0.00001	PASS					
					20	2.9	0.00159	PASS					
					30	8.48	0.00826	PASS					
					40	-5.76	-0.00877	PASS					
			HCH	VN	-30	-0.09	-0.00199	PASS					
					-20	0.51	-0.00128	PASS					
					-10	2.98	0.00163	PASS					
					0	-0.88	-0.00293	PASS					
					10	-0.31	-0.00225	PASS					
					20	-0.19	-0.00211	PASS					
					30	-1.27	-0.00339	PASS					
					40	1.15	-0.00053	PASS					
		10	LCH	VN	50	-8.63	-0.01208	PASS					
					-30	-6.09	-0.00922	PASS					
					-20	-4.53	-0.00734	PASS					
					-10	10.72	0.01105	PASS					
										0	10.12	0.01033	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-3.43	-0.00602	PASS
					20	-3.38	-0.00596	PASS
					30	-6.89	-0.01019	PASS
					40	0.47	-0.00131	PASS
					50	-8.6	-0.01225	PASS
			MCH	VN	-30	-110.99	-0.13457	PASS
					-20	-54.59	-0.06714	PASS
					-10	-9.18	-0.01286	PASS
					0	-6.87	-0.01009	PASS
					10	22.38	0.02487	PASS
					20	-10.82	-0.01482	PASS
					30	48.47	0.05606	PASS
					40	40.06	0.04601	PASS
			HCH	VN	50	30.29	0.03433	PASS
					-30	0.95	-0.00076	PASS
					-20	-0.22	-0.00215	PASS
					-10	0.05	-0.00183	PASS
					0	0.81	-0.00093	PASS
					10	-1.04	-0.00312	PASS
					20	-0.11	-0.00202	PASS
					30	-0.66	-0.00267	PASS
			40	1.84	0.00029	PASS		
			50	-0.64	-0.00264	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND17	LTE/TM1	5	LCH	VN	-30	5.5	0.00562	PASS
					-20	-5.55	-0.01002	PASS
					-10	-6.39	-0.0112	PASS
					0	-14.02	-0.022	PASS
					10	-4.49	-0.00852	PASS
					20	0.05	-0.00209	PASS
					30	-8.67	-0.01443	PASS
					40	4.75	0.00456	PASS
					50	-5.7	-0.01023	PASS
			MCH	VN	-30	-3.1	-0.00653	PASS
					-20	-7.66	-0.01295	PASS
					-10	-0.93	-0.00347	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	-0.9	-0.00343	PASS		
					10	0.27	-0.00178	PASS		
					20	-5.13	-0.00939	PASS		
					30	0.4	-0.0016	PASS		
					40	-3.09	-0.00651	PASS		
					50	0.16	-0.00194	PASS		
			HCH	VN	-30	-0.47	-0.00282	PASS		
					-20	0.69	-0.0012	PASS		
					-10	2.58	0.00145	PASS		
					0	-4.19	-0.00804	PASS		
					10	1.48	-9E-05	PASS		
					20	0.45	-0.00153	PASS		
			LCH	VN	30	1.66	0.00016	PASS		
					40	6.33	0.00671	PASS		
					50	-1.71	-0.00456	PASS		
					-30	-4.2	-0.00809	PASS		
					-20	-4.66	-0.00873	PASS		
					-10	-5	-0.00921	PASS		
		MCH	VN	0	-6.36	-0.01113	PASS			
				10	-6.26	-0.01099	PASS			
				20	-5.25	-0.00957	PASS			
				30	-5.62	-0.01009	PASS			
				40	-5.38	-0.00975	PASS			
				50	-4.69	-0.00878	PASS			
				-30	-1.64	-0.00447	PASS			
				-20	-0.3	-0.00258	PASS			
				-10	-1.89	-0.00482	PASS			
				0	-2.06	-0.00506	PASS			
				10	-1.11	-0.00373	PASS			
				20	-4.6	-0.00864	PASS			
		HCH	VN	30	-3.97	-0.00775	PASS			
				40	-5.3	-0.00963	PASS			
				50	-0.93	-0.00347	PASS			
				-30	-0.41	-0.00274	PASS			
				-20	-0.35	-0.00265	PASS			
				-10	0.06	-0.00208	PASS			
				10			0	-1.04	-0.00363	PASS
							10	0.09	-0.00204	PASS
							20	-2.27	-0.00536	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	LCH	VN	30	-3.23	-0.00671	PASS
					40	-0.98	-0.00354	PASS
					50	-0.81	-0.0033	PASS
			LCH	VN	-30	-3.43	-0.00702	PASS
					-20	5.7	0.00591	PASS
					-10	-1.38	-0.00411	PASS
					0	0.19	-0.00189	PASS
					10	-5.19	-0.00951	PASS
					20	0.75	-0.0011	PASS
					30	-1.41	-0.00416	PASS
					40	-3.43	-0.00702	PASS
					50	5.8	0.00605	PASS
					MCH	VN	-30	3.02
			-20	-1.31			-0.00401	PASS
			-10	0.15			-0.00195	PASS
		0	-7.25	-0.01237			PASS	
		10	2.54	0.00142			PASS	
		20	-2.56	-0.00577			PASS	
		30	-1.18	-0.00382			PASS	
		40	-3.1	-0.00653			PASS	
		HCH	VN	50	-0.23	-0.00249	PASS	
				-30	-1.56	-0.00435	PASS	
				-20	5.11	0.005	PASS	
				-10	-0.18	-0.00242	PASS	
				0	6.5	0.00695	PASS	
				10	0.95	-0.00083	PASS	
				20	2.16	0.00086	PASS	
				30	-2.73	-0.00599	PASS	
		10	LCH	VN	40	2.09	0.00077	PASS
					50	4.71	0.00444	PASS
					-30	-3.46	-0.00704	PASS
					-20	-0.68	-0.00312	PASS
					-10	-1.64	-0.00447	PASS
0	-0.35				-0.00266	PASS		
10	-0.15				-0.00237	PASS		
20	-0.43				-0.00277	PASS		
30	-0.88				-0.0034	PASS		
40	-0.97	-0.00353	PASS					
50	-0.58	-0.00298	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	-30	0.36	-0.00165	PASS
					-20	-0.84	-0.00335	PASS
					-10	-0.03	-0.0022	PASS
					0	1.15	-0.00054	PASS
					10	-2.09	-0.00511	PASS
					20	-0.45	-0.0028	PASS
					30	0.1	-0.00202	PASS
					40	-1.17	-0.00381	PASS
					50	-0.91	-0.00344	PASS
			HCH	VN	-30	0.07	-0.00206	PASS
					-20	1.3	-0.00033	PASS
					-10	-0.05	-0.00223	PASS
					0	-1.38	-0.0041	PASS
					10	0.85	-0.00097	PASS
					20	0.3	-0.00174	PASS
					30	0.83	-0.001	PASS
					40	0.76	-0.00109	PASS
					50	0.85	-0.00097	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND12	LTE/TM1	1.4	LCH	VN	-30	-6.79	-0.0097	PASS
					-20	4.12	0.00589	PASS
					-10	13.88	0.01984	PASS
					0	19.47	0.02783	PASS
					10	-16.37	-0.0234	PASS
					20	-11.10	-0.01586	PASS
					30	-0.19	-0.00027	PASS
					40	1.14	0.00163	PASS
					50	-2.09	-0.00299	PASS
			MCH	VN	-30	4.69	0.00663	PASS
					-20	-4.32	-0.00611	PASS
					-10	-3.00	-0.00424	PASS
					0	-18.11	-0.0256	PASS
					10	-3.05	-0.00431	PASS
					20	6.68	0.00944	PASS
					30	8.27	0.01169	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-10.43	-0.01474	PASS
					50	0.79	0.00112	PASS
			HCH	VN	-30	1.63	0.00228	PASS
					-20	0.16	0.00022	PASS
					-10	-1.14	-0.00159	PASS
					0	6.25	0.00874	PASS
					10	-2.93	-0.0041	PASS
					20	1.14	0.00159	PASS
					30	-2.66	-0.00372	PASS
					40	9.64	0.01348	PASS
					50	4.59	0.00642	PASS
					3	LCH	VN	-30
		-20	-3.35	-0.00478				PASS
		-10	-4.99	-0.00712				PASS
		0	-2.65	-0.00378				PASS
		10	-0.27	-0.00039				PASS
		20	-0.30	-0.00043				PASS
		30	-0.60	-0.00086				PASS
		40	10.91	0.01557				PASS
		50	2.40	0.00343				PASS
		MCH	VN	-30		-0.33	-0.00047	PASS
				-20		-1.23	-0.00174	PASS
				-10		-2.25	-0.00318	PASS
				0		-4.11	-0.00581	PASS
				10		0.26	0.00037	PASS
				20		6.58	0.0093	PASS
				30		-1.06	-0.0015	PASS
				40		-0.33	-0.00047	PASS
				50		1.44	0.00204	PASS
		HCH	VN	-30	-4.91	-0.00687	PASS	
				-20	2.68	0.00375	PASS	
				-10	-5.68	-0.00795	PASS	
				0	-0.41	-0.00057	PASS	
10	-2.62			-0.00367	PASS			
20	0.36			0.0005	PASS			
30	1.72			0.00241	PASS			
40	-3.25			-0.00455	PASS			
50	-2.86			-0.004	PASS			
5	LCH	VN	-30	1.77	0.00252	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-0.33	-0.00047	PASS	
					-10	-3.03	-0.00432	PASS	
					0	-2.73	-0.00389	PASS	
					10	0.67	0.00096	PASS	
					20	-1.86	-0.00265	PASS	
					30	2.19	0.00312	PASS	
					40	-2.47	-0.00352	PASS	
					50	-2.89	-0.00412	PASS	
			MCH	VN	-30	0.20	0.00028	PASS	
					-20	0.64	0.0009	PASS	
					-10	0.29	0.00041	PASS	
					0	-4.01	-0.00567	PASS	
					10	-2.16	-0.00305	PASS	
					20	-0.93	-0.00131	PASS	
					30	-0.77	-0.00109	PASS	
					40	-0.29	-0.00041	PASS	
			HCH	VN	-30	-0.07	-0.0001	PASS	
					-20	1.52	0.00213	PASS	
					-10	0.67	0.00094	PASS	
					0	-0.82	-0.00115	PASS	
					10	-1.90	-0.00266	PASS	
					20	-0.66	-0.00093	PASS	
					30	-1.00	-0.0014	PASS	
					40	0.19	0.00027	PASS	
			10	LCH	VN	-30	-5.68	-0.00807	PASS
						-20	-2.62	-0.00372	PASS
						-10	-6.72	-0.00955	PASS
						0	-8.13	-0.01155	PASS
		10				-4.23	-0.00601	PASS	
		20				-0.24	-0.00034	PASS	
		30				-5.19	-0.00737	PASS	
		40				-1.34	-0.0019	PASS	
		50		-3.45	-0.0049	PASS			
		MCH		VN	-30	0.41	0.00058	PASS	
					-20	0.34	0.00048	PASS	
					-10	1.37	0.00194	PASS	
			0		1.69	0.00239	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	1.02	0.00144	PASS
					20	-0.36	-0.00051	PASS
					30	-2.05	-0.0029	PASS
					40	1.33	0.00188	PASS
					50	1.26	0.00178	PASS
			HCH	VN	-30	1.80	0.00253	PASS
					-20	-2.25	-0.00316	PASS
					-10	2.98	0.00419	PASS
					0	-0.23	-0.00032	PASS
					10	2.83	0.00398	PASS
					20	-0.11	-0.00015	PASS
					30	-0.20	-0.00028	PASS
					40	1.77	0.00249	PASS
					50	1.44	0.00203	PASS
					LCH	VN	-30	1.99
	-20	-8.21	-0.01173	PASS				
	-10	-43.30	-0.06188	PASS				
	0	-2.57	-0.00367	PASS				
	10	4.73	0.00676	PASS				
	20	22.67	0.0324	PASS				
	30	-3.10	-0.00443	PASS				
	40	9.06	0.01295	PASS				
	MCH	VN	50	7.35	0.0105	PASS		
			-30	-1.39	-0.00196	PASS		
			-20	14.65	0.02071	PASS		
			-10	2.49	0.00352	PASS		
			0	-1.16	-0.00164	PASS		
			10	9.33	0.01319	PASS		
			20	-4.16	-0.00588	PASS		
			30	14.82	0.02095	PASS		
	HCH	VN	40	-14.29	-0.0202	PASS		
			50	4.38	0.00619	PASS		
			-30	7.20	0.01007	PASS		
-20			8.40	0.01174	PASS			
-10			4.58	0.0064	PASS			
0			3.58	0.005	PASS			
10			8.05	0.01125	PASS			
20	10.97	0.01534	PASS					
30	-0.80	-0.00112	PASS					
LTE/TM2	1.4				-30	1.99	0.00284	PASS
					-20	-8.21	-0.01173	PASS
					-10	-43.30	-0.06188	PASS
					0	-2.57	-0.00367	PASS
					10	4.73	0.00676	PASS
					20	22.67	0.0324	PASS
					30	-3.10	-0.00443	PASS
					40	9.06	0.01295	PASS
					50	7.35	0.0105	PASS
					-30	-1.39	-0.00196	PASS
					-20	14.65	0.02071	PASS
					-10	2.49	0.00352	PASS
					0	-1.16	-0.00164	PASS
					10	9.33	0.01319	PASS
					20	-4.16	-0.00588	PASS
					30	14.82	0.02095	PASS
					40	-14.29	-0.0202	PASS
					50	4.38	0.00619	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	6.48	0.00906	PASS		
					50	-3.88	-0.00542	PASS		
		3	LCH	VN	-30	-9.43	-0.01346	PASS		
					-20	-1.75	-0.0025	PASS		
					-10	-3.39	-0.00484	PASS		
					0	-9.16	-0.01308	PASS		
					10	-0.29	-0.00041	PASS		
					20	-4.01	-0.00572	PASS		
					30	-4.41	-0.0063	PASS		
					40	-0.36	-0.00051	PASS		
					50	4.46	0.00637	PASS		
					MCH	VN	-30	0.97	0.00137	PASS
							-20	-2.30	-0.00325	PASS
							-10	-0.34	-0.00048	PASS
							0	-4.05	-0.00572	PASS
							10	1.02	0.00144	PASS
							20	-3.89	-0.0055	PASS
							30	3.05	0.00431	PASS
							40	0.97	0.00137	PASS
					HCH	VN	50	3.42	0.00483	PASS
		-30	-1.13	-0.00158			PASS			
		-20	3.78	0.00529			PASS			
		-10	1.19	0.00167			PASS			
		0	1.79	0.00251			PASS			
		10	1.92	0.00269			PASS			
		20	0.69	0.00097			PASS			
		5	LCH	VN	30	-5.25	-0.00735	PASS		
					40	-1.10	-0.00154	PASS		
					50	-6.18	-0.00865	PASS		
					-30	1.34	0.00191	PASS		
					-20	11.93	0.01701	PASS		
					-10	4.52	0.00644	PASS		
					0	9.54	0.0136	PASS		
10	5.01				0.00714	PASS				
20	5.75				0.0082	PASS				
30	4.38				0.00624	PASS				
MCH	VN	40	6.78	0.00967	PASS					
		50	7.11	0.01014	PASS					
			MCH	VN	-30	1.89	0.00267	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	0.26	0.00037	PASS		
					-10	-0.06	-0.00008	PASS		
					0	1.59	0.00225	PASS		
					10	-0.13	-0.00018	PASS		
					20	1.23	0.00174	PASS		
					30	-3.30	-0.00466	PASS		
					40	1.42	0.00201	PASS		
					50	-1.22	-0.00172	PASS		
			HCH	VN	-30	0.09	0.00013	PASS		
					-20	1.73	0.00242	PASS		
					-10	-2.70	-0.00378	PASS		
					0	0.11	0.00015	PASS		
					10	-0.66	-0.00093	PASS		
					20	1.07	0.0015	PASS		
					30	-3.46	-0.00485	PASS		
					40	-0.04	-0.00006	PASS		
			LCH	VN	-30	-5.84	-0.0083	PASS		
					-20	-0.46	-0.00065	PASS		
					-10	0.03	0.00004	PASS		
					0	-0.50	-0.00071	PASS		
		10			0.11	0.00016	PASS			
		20			-0.26	-0.00037	PASS			
		30			-1.07	-0.00152	PASS			
		40			-1.95	-0.00277	PASS			
		MCH	VN	-30	-0.29	-0.00041	PASS			
				-20	-1.42	-0.00201	PASS			
				-10	1.99	0.00281	PASS			
				0	0.43	0.00061	PASS			
				10	0.63	0.00089	PASS			
				20	-0.69	-0.00098	PASS			
				30	-0.39	-0.00055	PASS			
				40	-0.09	-0.00013	PASS			
		HCH	VN	-30	1.76	0.00248	PASS			
				-20	2.12	0.00298	PASS			
				-10	0.01	0.00001	PASS			
				0	0.56	0.00079	PASS			
		10					-30	-0.29	-0.00041	PASS
							-20	-1.42	-0.00201	PASS
							-10	1.99	0.00281	PASS
							0	0.43	0.00061	PASS
10	0.63						0.00089	PASS		
20	-0.69						-0.00098	PASS		
30	-0.39						-0.00055	PASS		
40	-0.09						-0.00013	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.30	0.00042	PASS
					20	-0.29	-0.00041	PASS
					30	-2.99	-0.00421	PASS
					40	0.53	0.00075	PASS
					50	0.56	0.00079	PASS

END