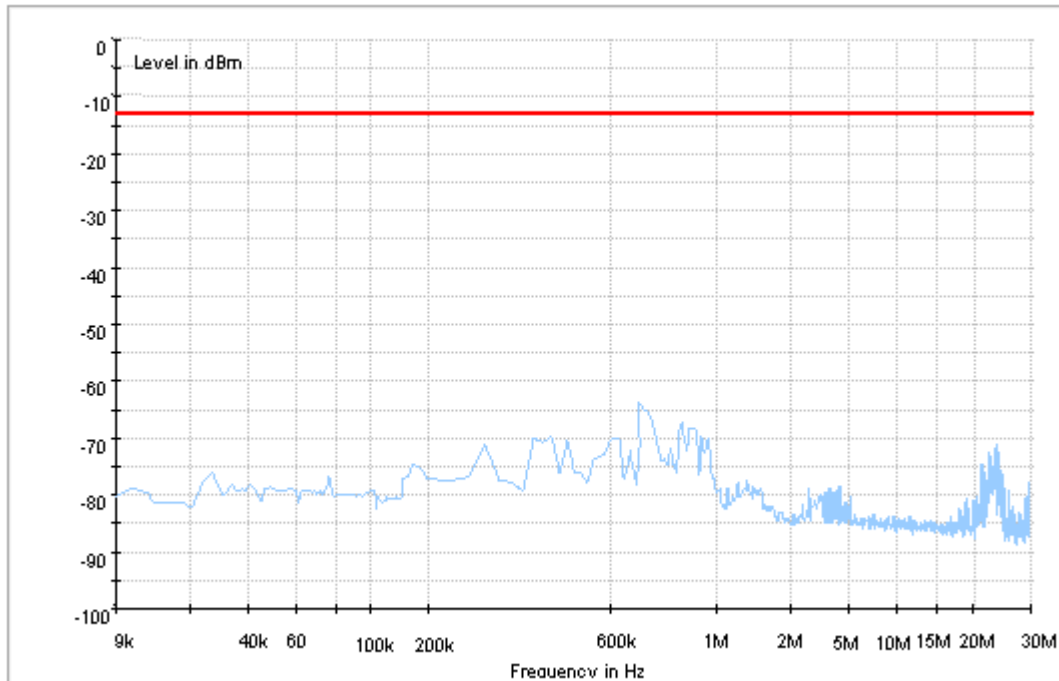
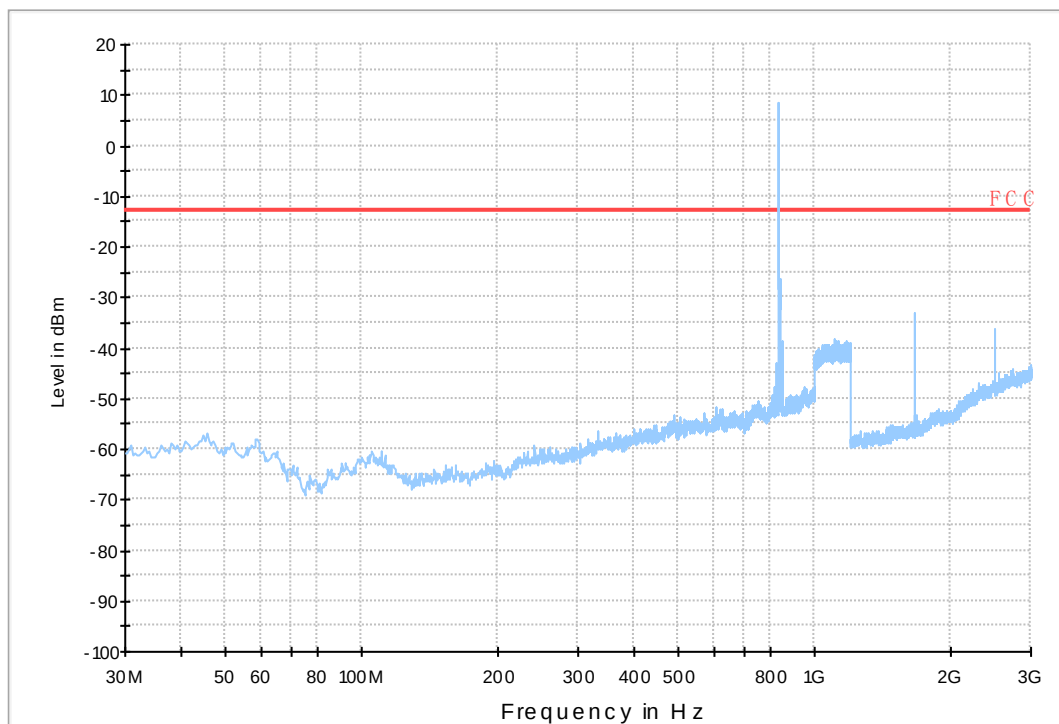


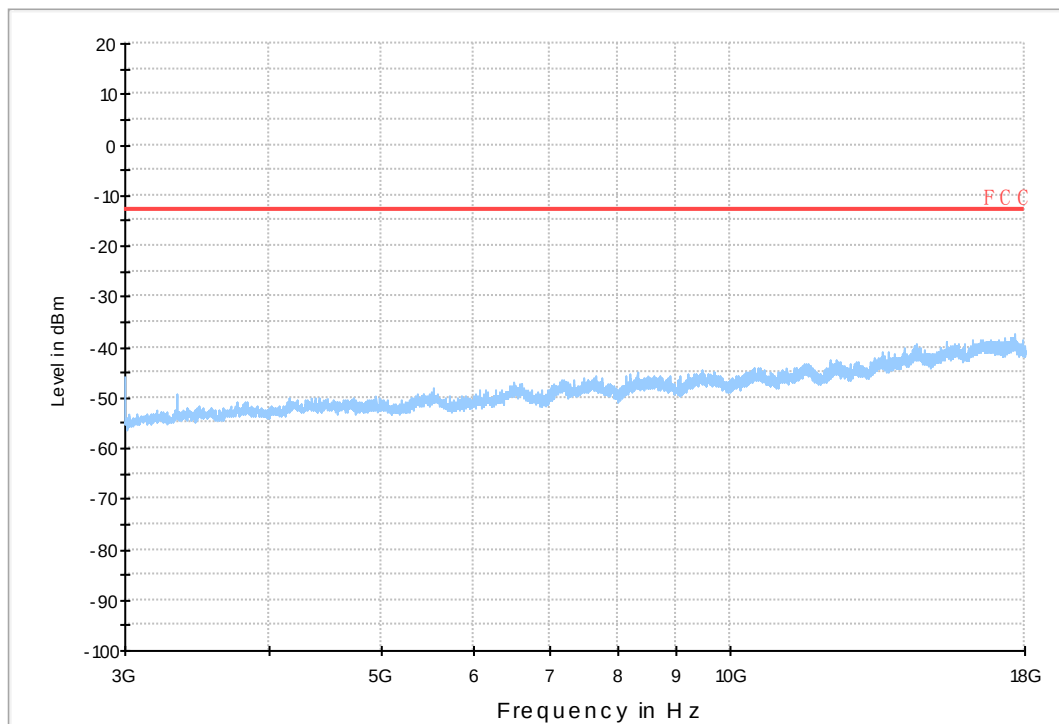
7.1.2.2 Test Bandwidth = 10



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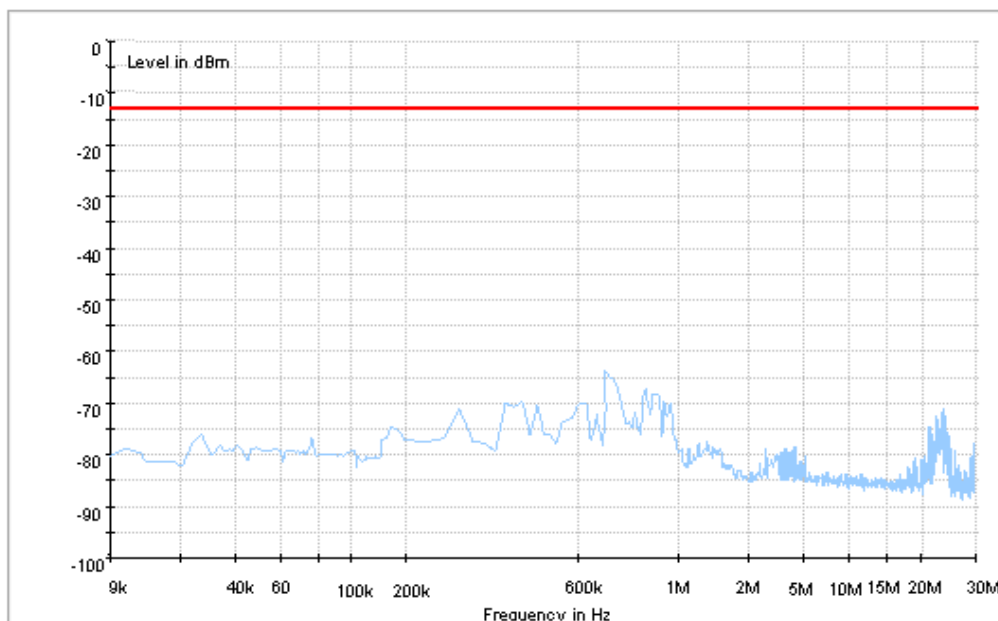
Copy of RSE-TX-DIRECTOR BELOW 1G_H



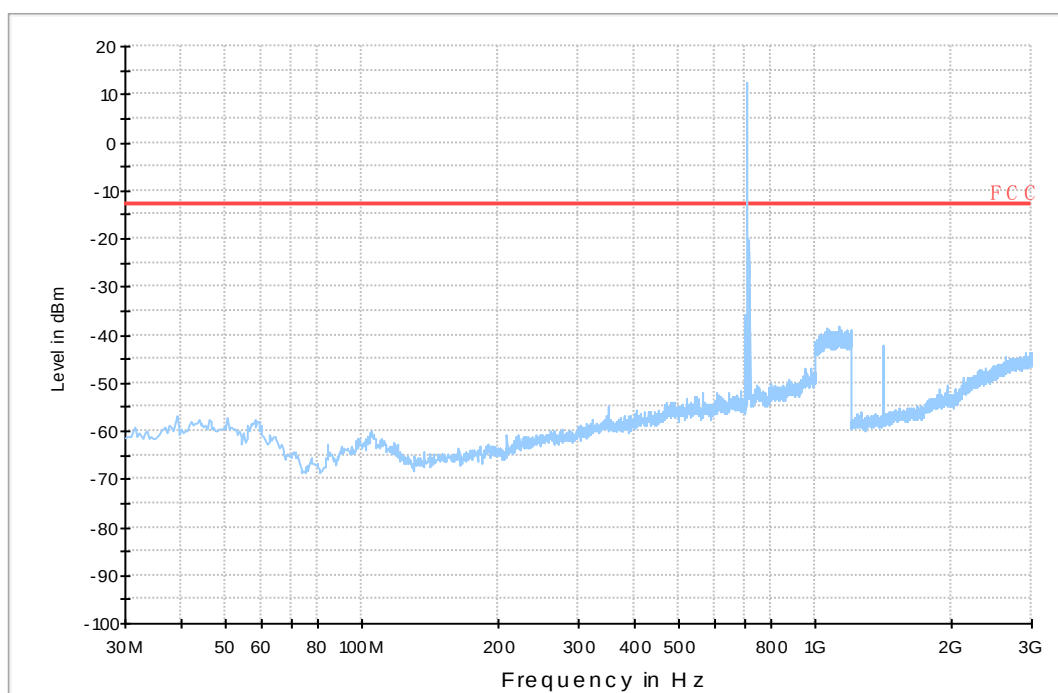
7.2 For LTE

7.2.1 Test Band = BAND17_Ant1

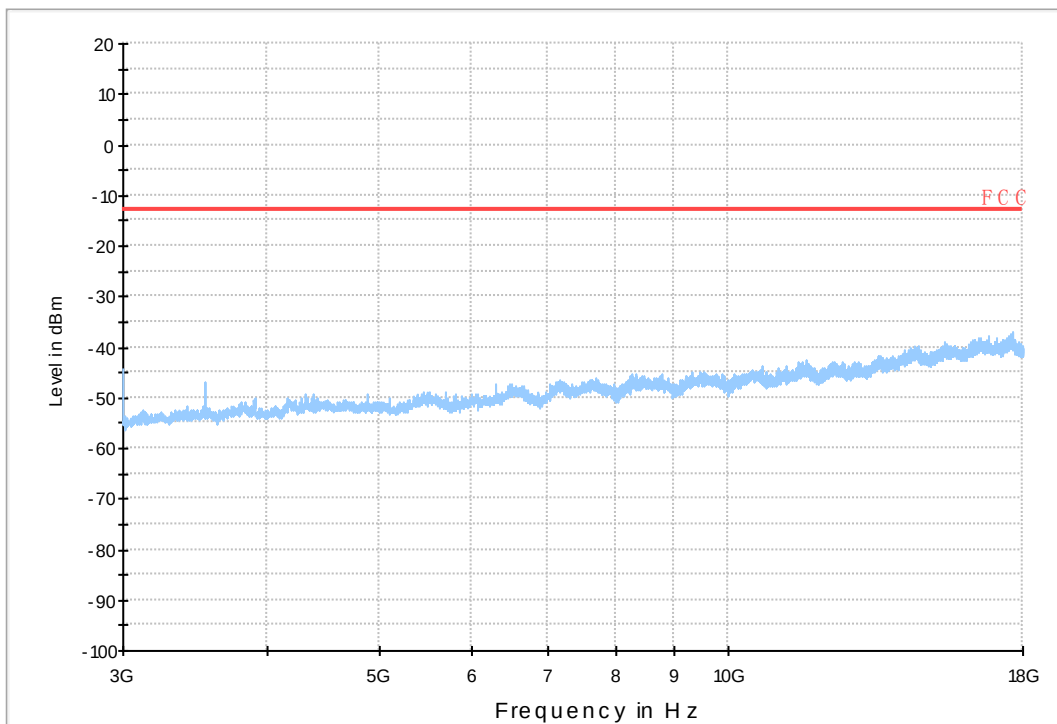
7.2.1.1 Test Bandwidth = 5



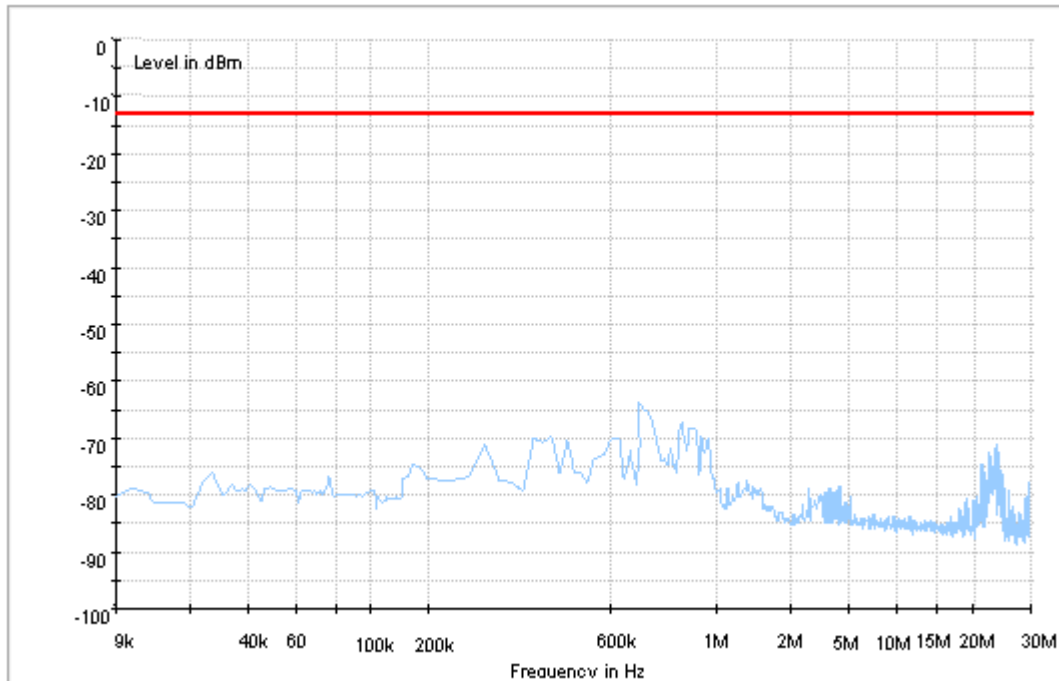
Copy of RSE-TX-DIRECTOR BELOW 1G_L



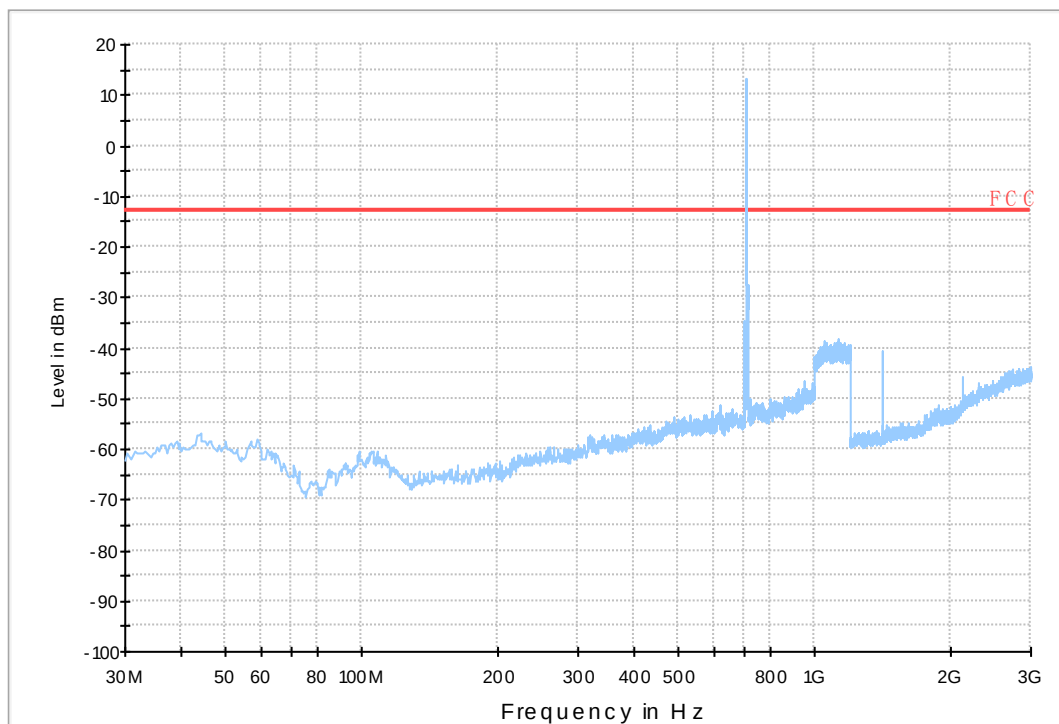
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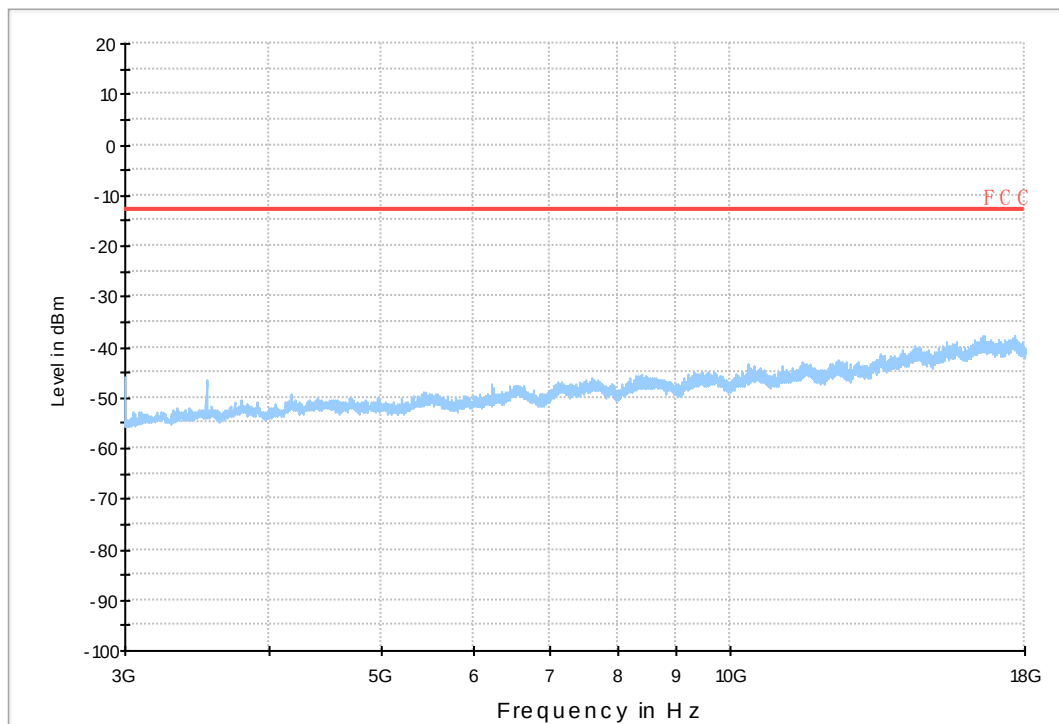
7.2.1.2 Test Bandwidth = 10



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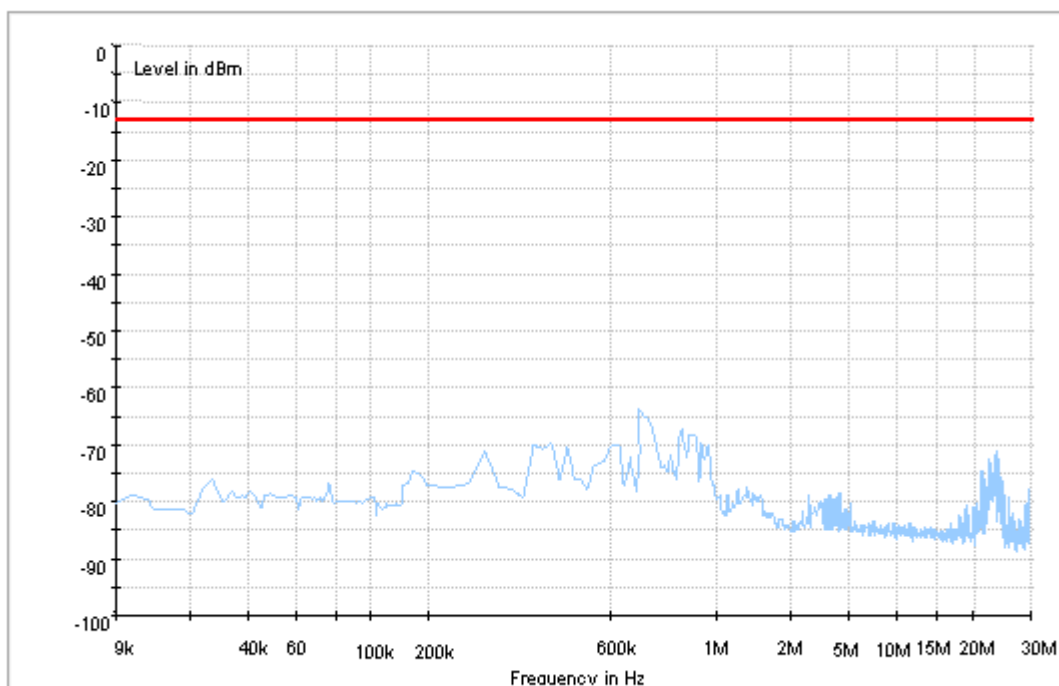


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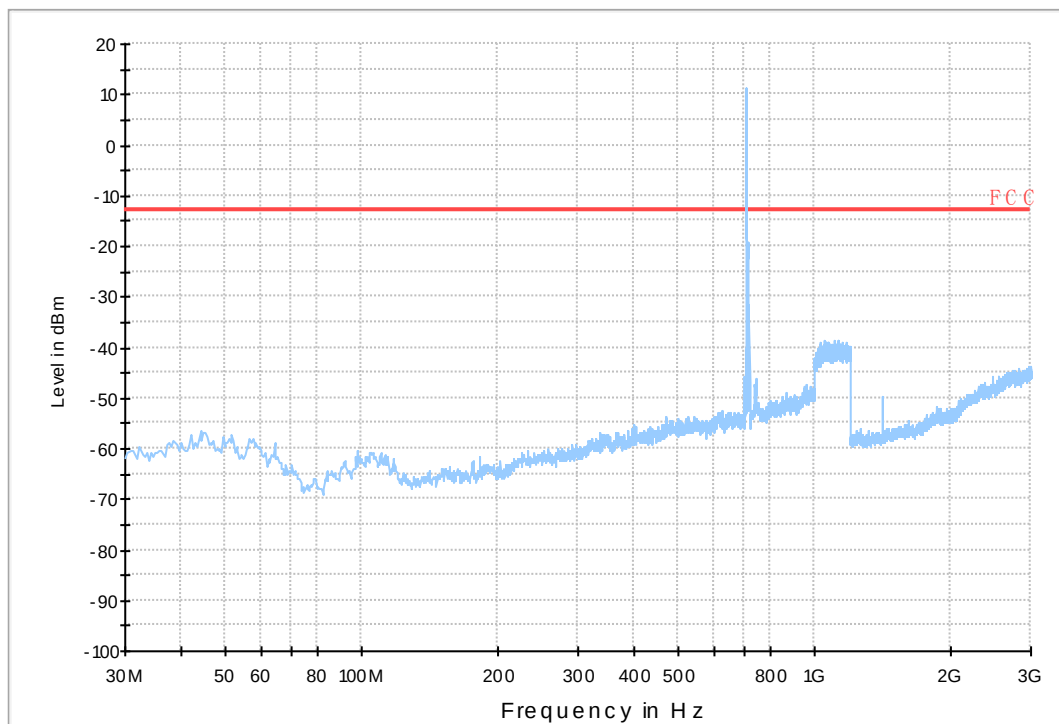


7.2.2 Test Band = BAND17_Ant2

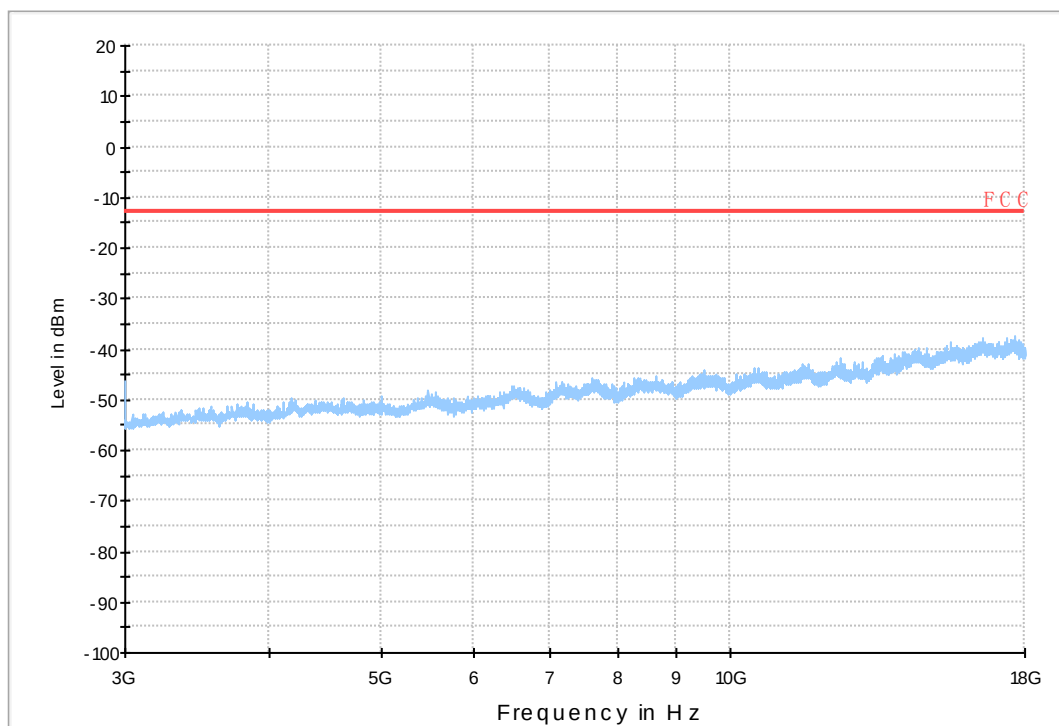
7.2.2.1 Test Bandwidth = 5



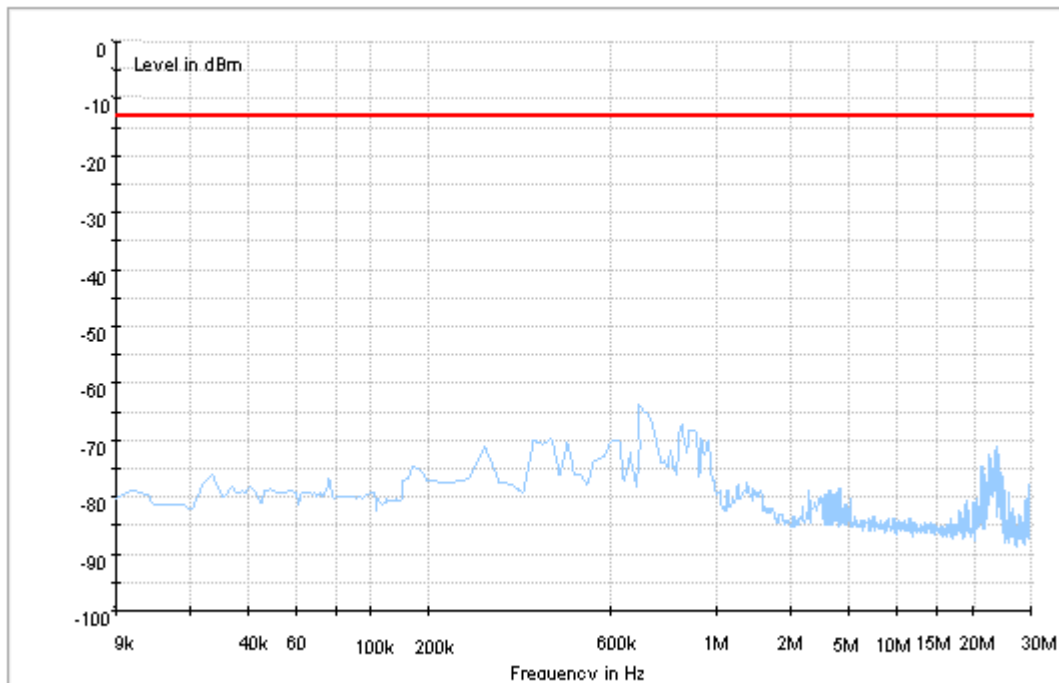
Copy of RSE-TX-DIRECTOR BELOW 1G_L



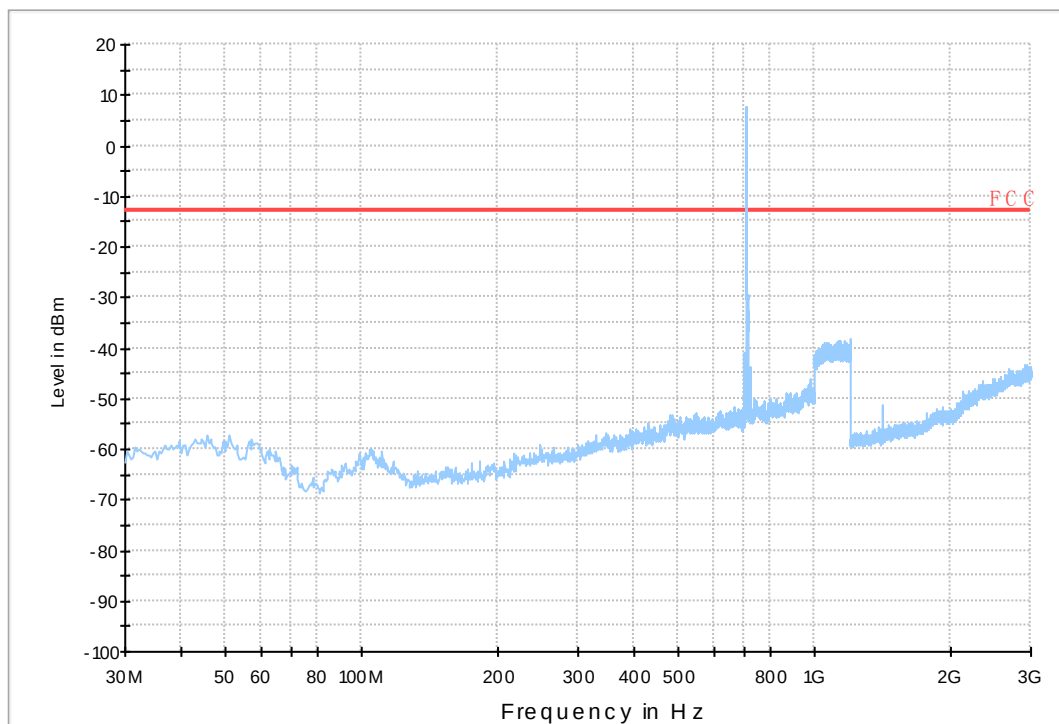
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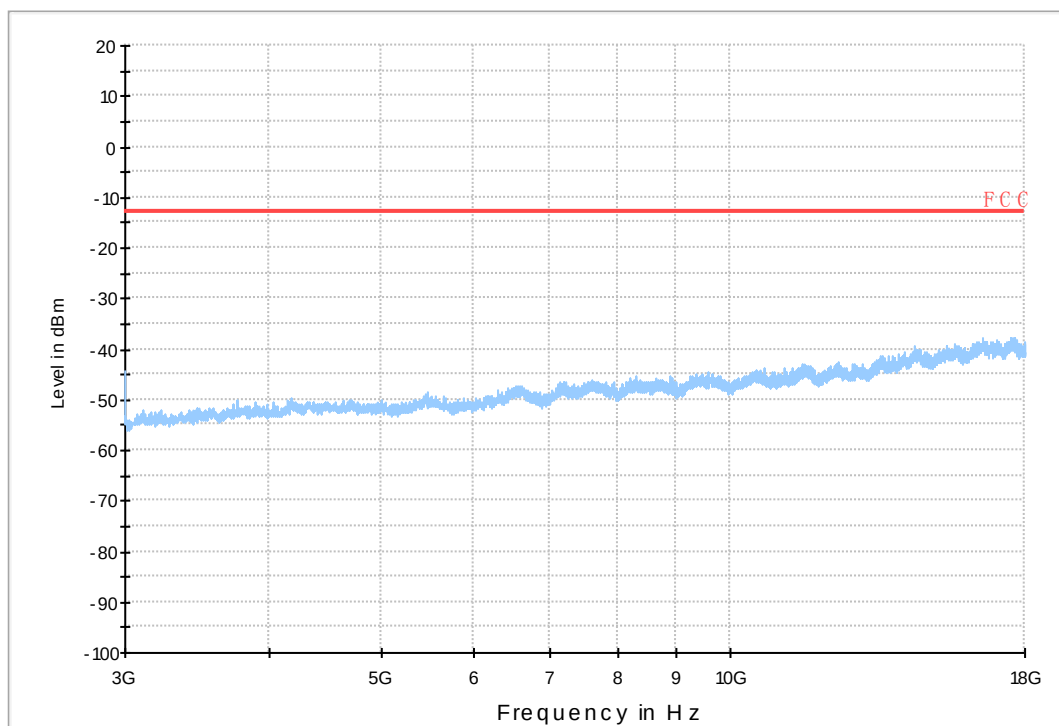
7.2.2.2 Test Bandwidth = 10



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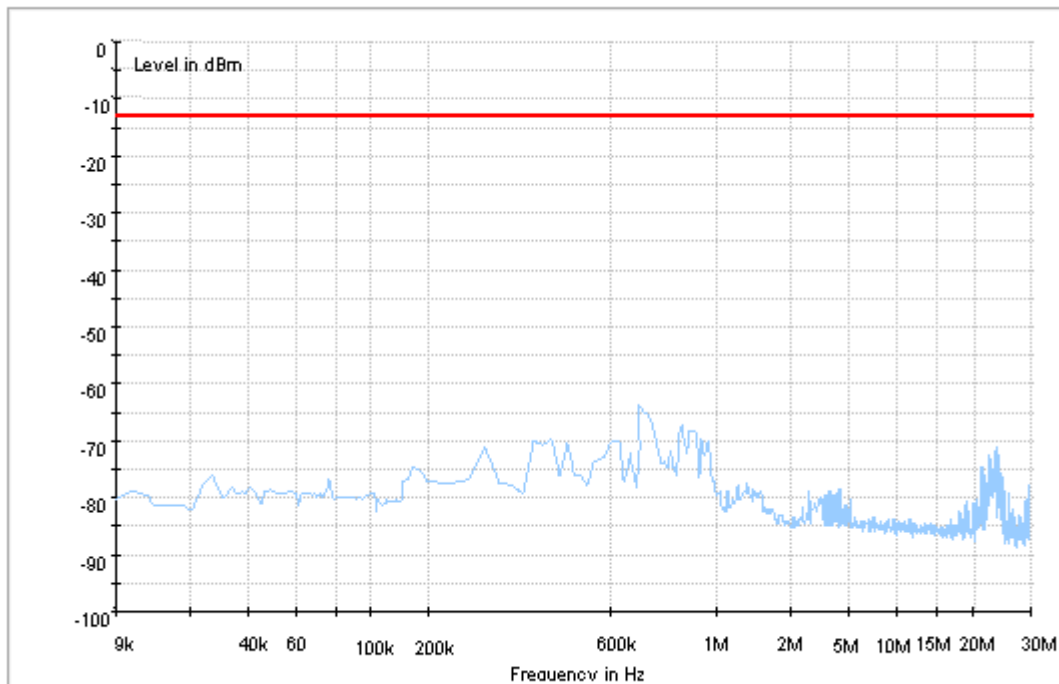
Copy of RSE-TX-DIRECTOR BELOW 1G_H



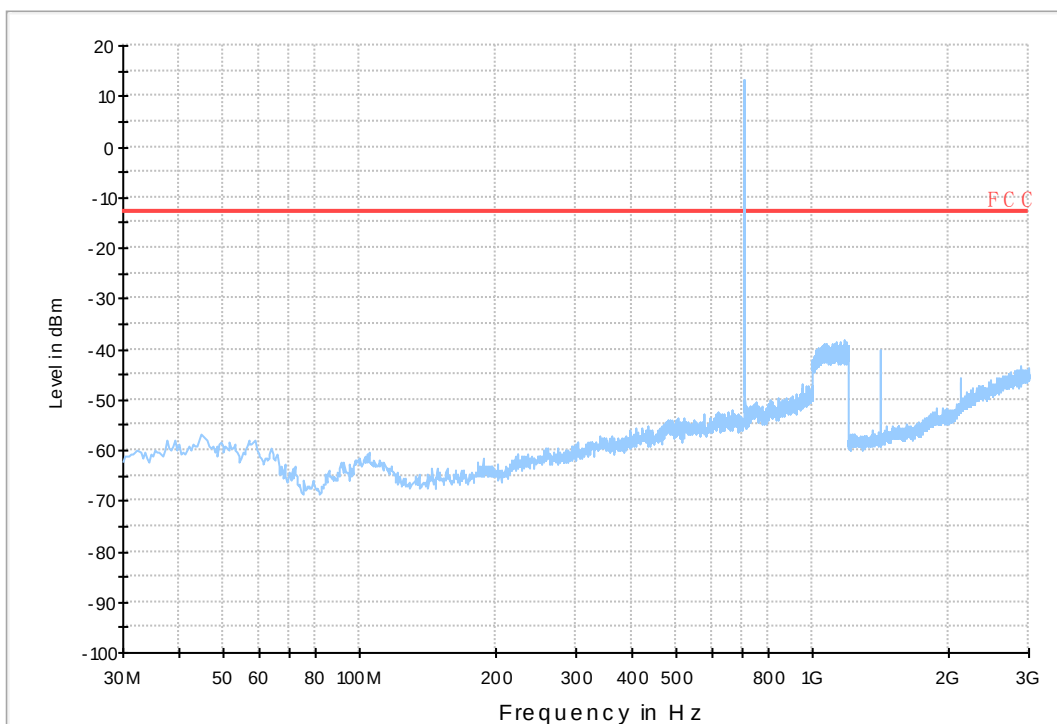
7.3 For LTE

7.3.1 Test Band = BAND12_Ant1

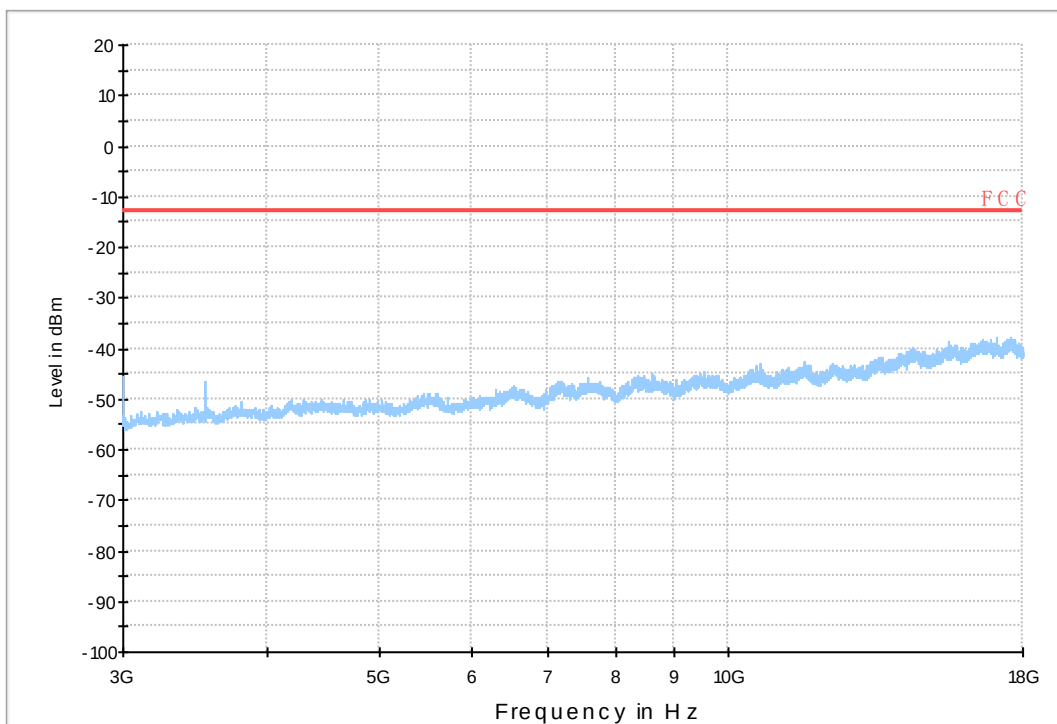
7.3.1.1 Test Bandwidth = 1.4



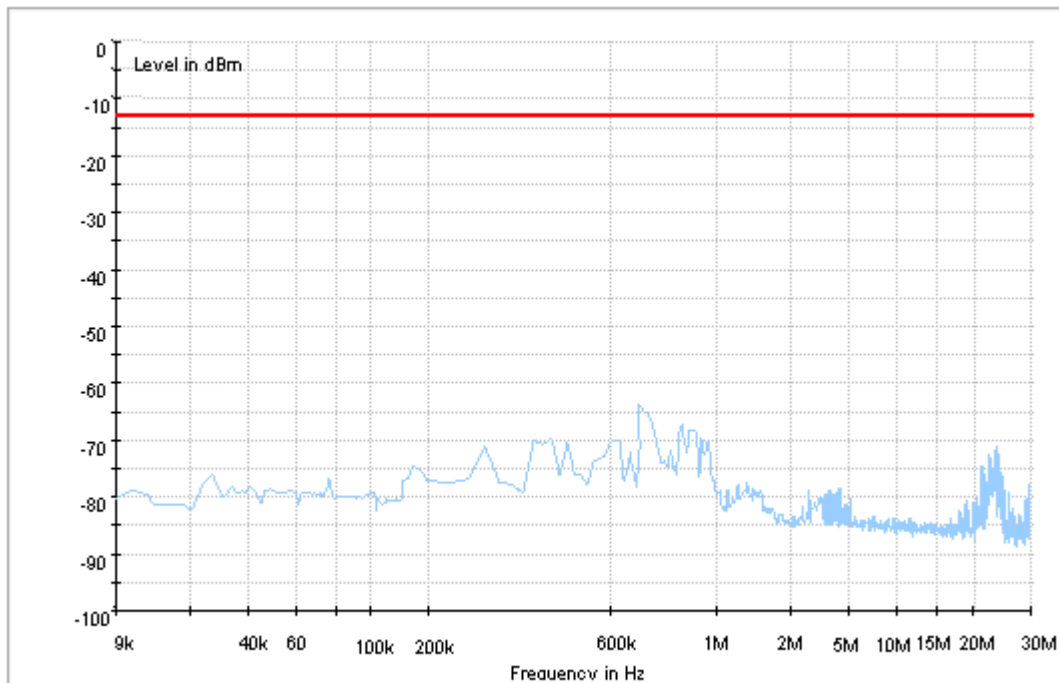
Copy of RSE-TX-DIRECTOR BELOW 1G_L



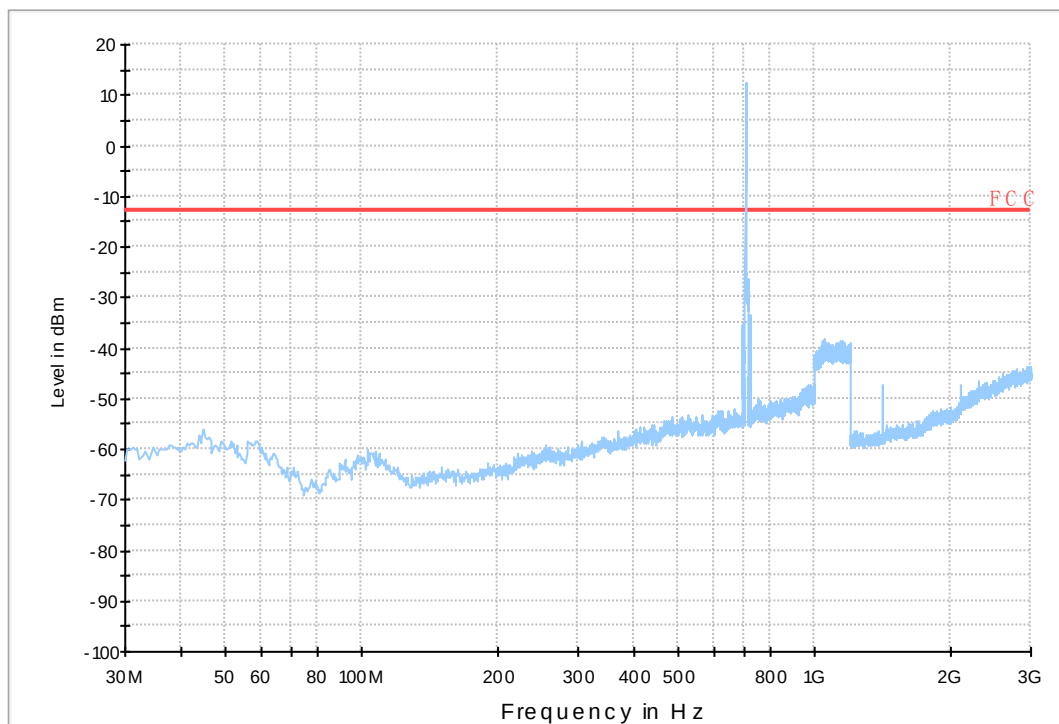
Copy of RSE-TX-DIRECTOR BELOW 1G_H



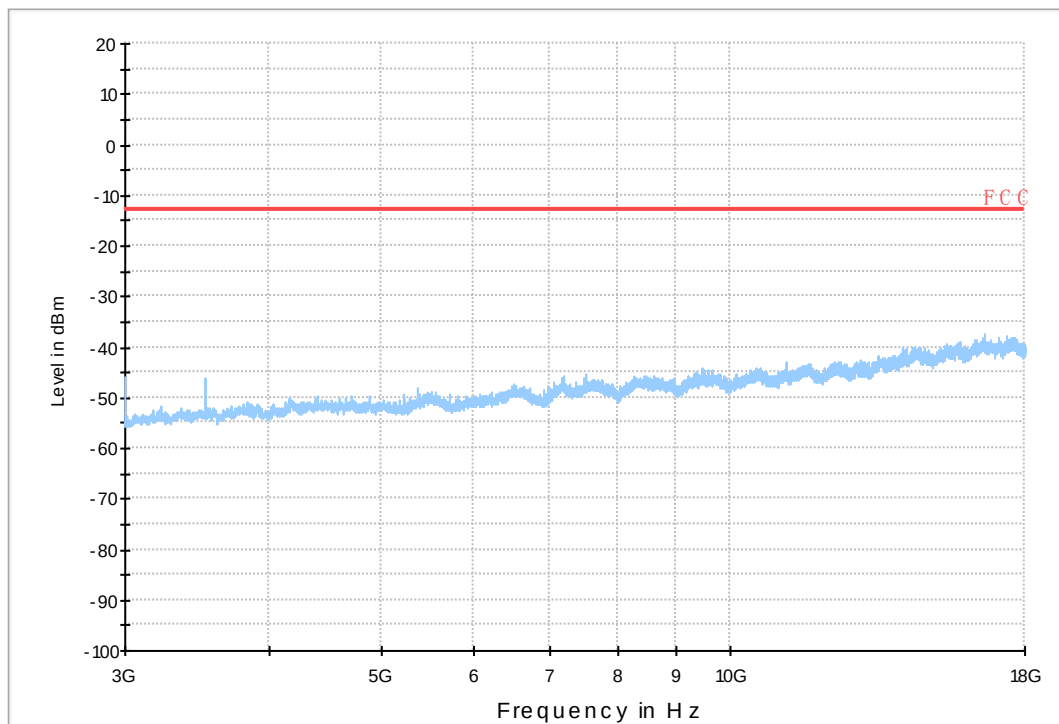
7.3.1.2 Test Bandwidth = 10



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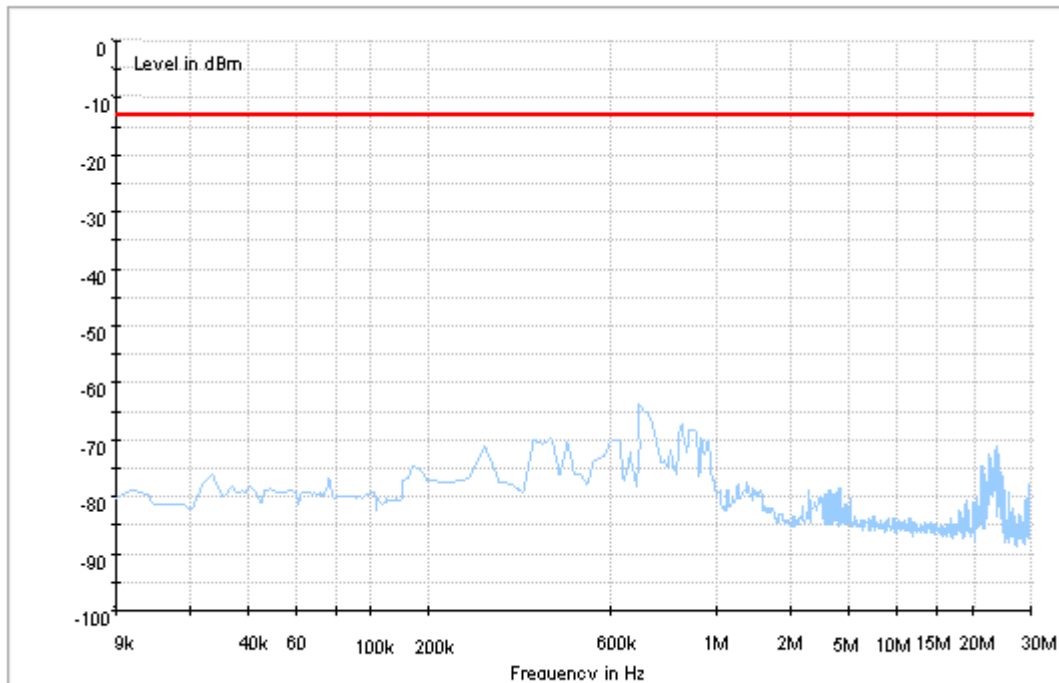


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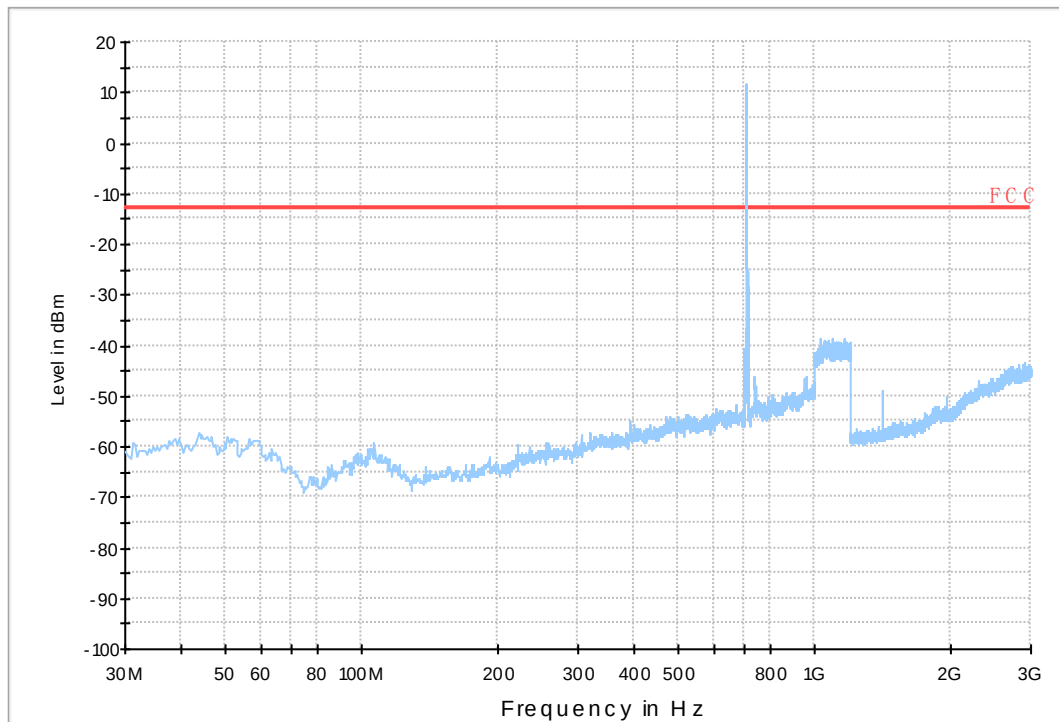


7.3.2 Test Band = BAND12_Ant2

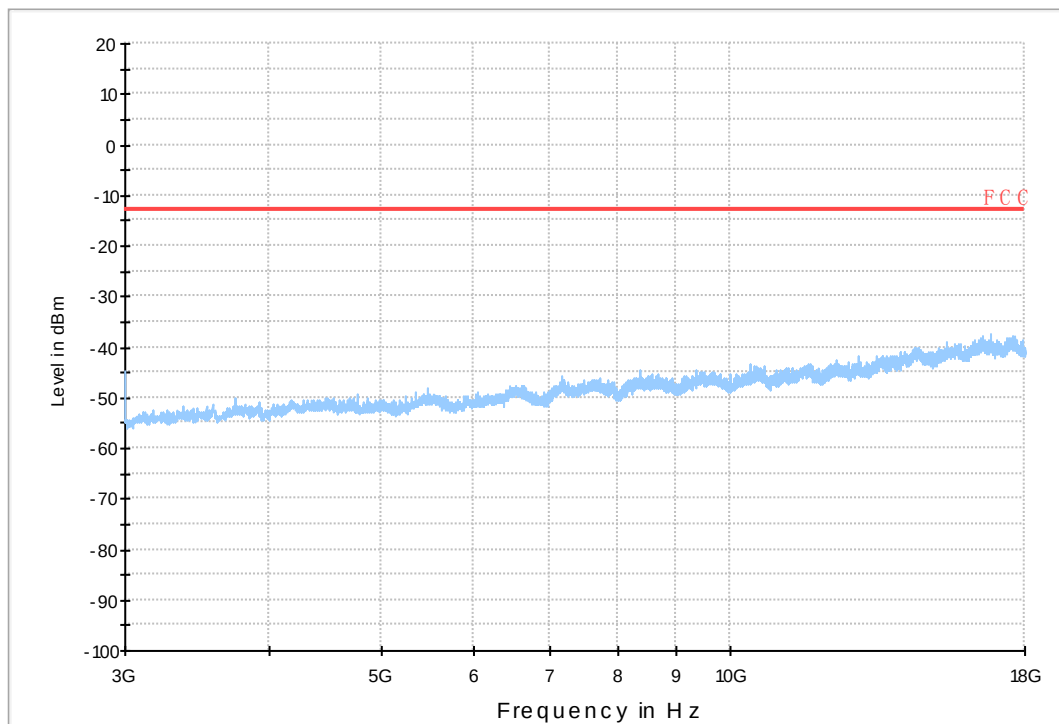
7.3.2.1 Test Bandwidth = 1.4



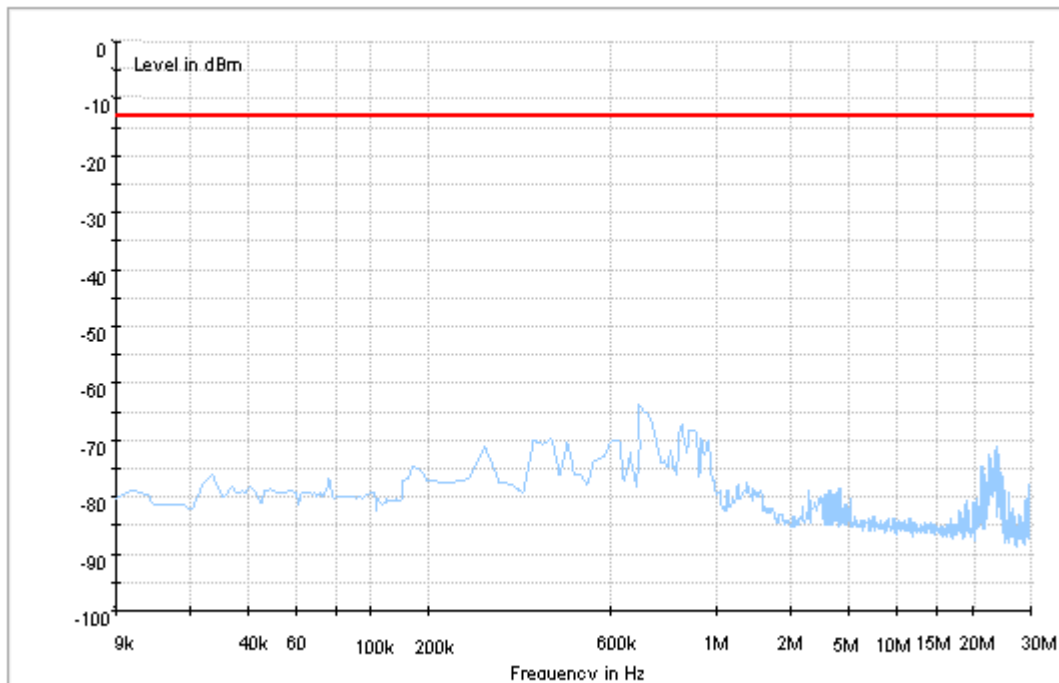
Copy of RSE-TX-DIRECTOR BELOW 1G_L



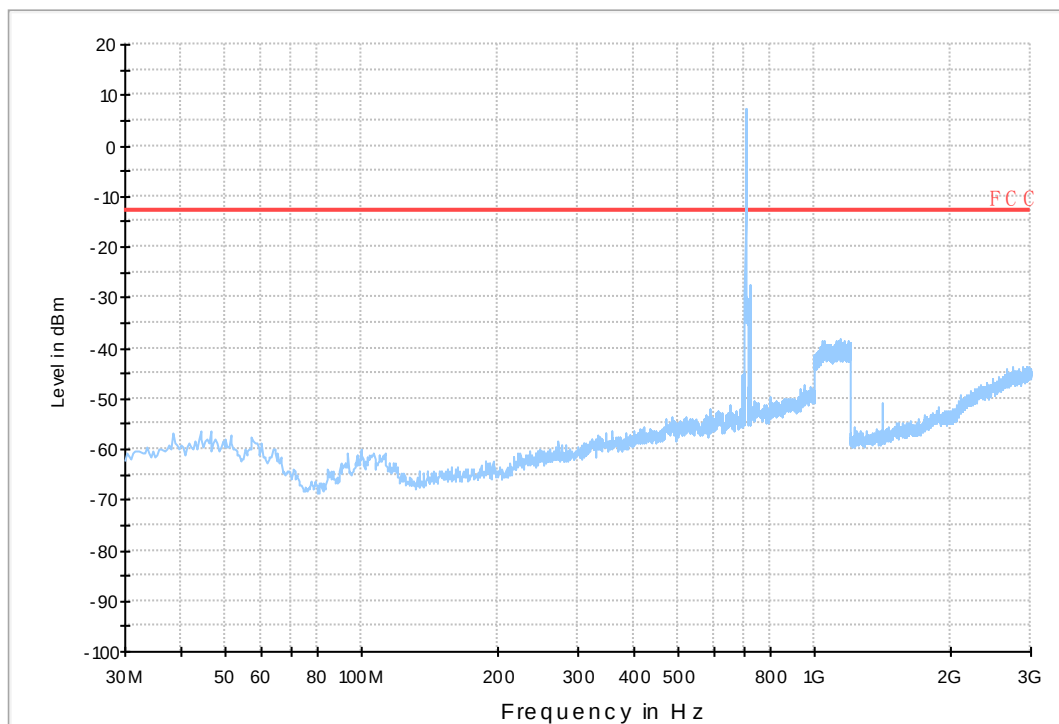
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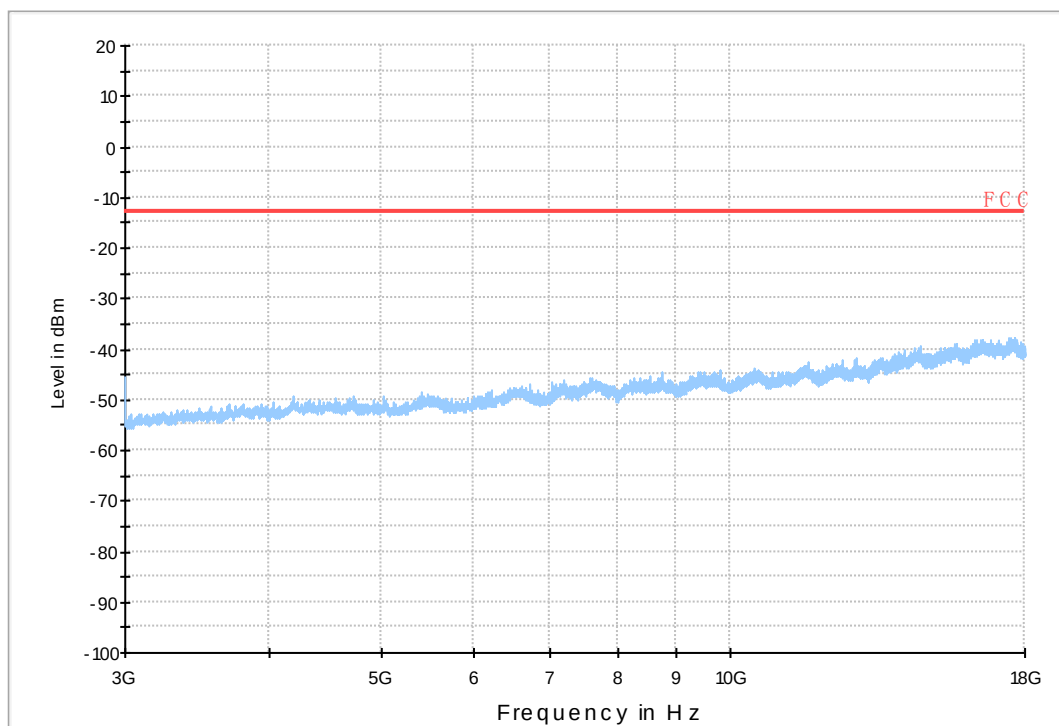
7.3.2.2 Test Bandwidth = 10



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8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency 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
	LTE/TM2		HCH	TN	VN	18.01	0.02153	PASS
					VH	33.92	0.04055	PASS
					VL	-4.38	-0.00519	PASS
					VN	-1.57	-0.00186	PASS
					VH	1.49	0.00177	PASS
					VL	-10.39	-0.0126	PASS
		1.4	LCH	TN	VN	7.21	0.00874	PASS
					VH	-5.87	-0.00712	PASS
					VL	-7.10	-0.00849	PASS
			MCH	TN	VN	27.08	0.03237	PASS
					VH	8.15	0.00974	PASS
					VL	2.73	0.00322	PASS
			HCH	TN	VN	-4.53	-0.00534	PASS
					VH	-3.68	-0.00434	PASS
					VL	-3.83	-0.00464	PASS
		3	LCH	TN	VN	-2.35	-0.00285	PASS
					VH	-7.60	-0.00921	PASS
					VL	6.07	0.00726	PASS
			MCH	TN	VN	-6.28	-0.00751	PASS
					VH	7.62	0.00911	PASS
					VL	-0.44	-0.00052	PASS
			HCH	TN	VN	-2.59	-0.00306	PASS
					VH	-0.67	-0.00079	PASS
					VL	-1.06	-0.00128	PASS
		5	LCH	TN	VN	0.09	0.00011	PASS
					VH	2.88	0.00348	PASS
					VL	-4.63	-0.00553	PASS
			MCH	TN	VN	3.42	0.00409	PASS
					VH	-7.20	-0.00861	PASS
					VL	0.46	0.00054	PASS
			HCH	TN	VN	1.16	0.00137	PASS
					VH	3.50	0.00413	PASS
					VL	-2.23	-0.00269	PASS
		10	LCH	TN	VN	-2.59	-0.00312	PASS
					VH	0.23	0.00028	PASS
					VL	-10.30	-0.01231	PASS
			MCH	TN	VN	-40.53	-0.04845	PASS
					VH	-0.21	-0.00025	PASS
					VL	-1.03	-0.00122	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			VN	-0.47	-0.00066	PASS
					VH	2.07	0.00291	PASS
			LCH	TN	VL	-10.00	-0.01429	PASS
					VN	-1.65	-0.00236	PASS
					VH	-2.02	-0.00289	PASS
					VL	5.02	0.0071	PASS
			MCH	TN	VN	-4.26	-0.00602	PASS
					VH	-12.53	-0.01771	PASS
					VL	5.15	0.0072	PASS
					VN	7.40	0.01035	PASS
					VH	0.83	0.00116	PASS
		3	LCH	TN	VL	-3.43	-0.0049	PASS
					VN	-2.59	-0.0037	PASS
					VH	2.76	0.00394	PASS
					VL	0.70	0.00099	PASS
			MCH	TN	VN	1.59	0.00225	PASS
					VH	-7.12	-0.01006	PASS
					VL	-2.72	-0.00381	PASS
					VN	-4.91	-0.00687	PASS
			HCH	TN	VH	-3.18	-0.00445	PASS
					VL	-2.57	-0.00366	PASS
					VN	2.95	0.00421	PASS
					VH	1.86	0.00265	PASS
		5	LCH	TN	VL	-1.33	-0.00188	PASS
					VN	-0.86	-0.00122	PASS
					VH	-1.85	-0.00261	PASS
					VL	0.39	0.00055	PASS
			MCH	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
			HCH	TN	VH	0.39	0.00055	PASS
					VL	-5.06	-0.00719	PASS
					VN	-3.69	-0.00524	PASS
					VH	-2.70	-0.00384	PASS
		10	LCH	TN	VL	-2.33	-0.00329	PASS
					VN	-0.93	-0.00131	PASS
					VH	-3.03	-0.00428	PASS
			MCH	TN	VL	-2.33	-0.00329	PASS
					VN	-0.93	-0.00131	PASS
					VH	-3.03	-0.00428	PASS
			HCH	TN	VL	0.29	0.00041	PASS
					VN	-1.66	-0.00233	PASS
					VH	0.39	0.00055	PASS
					VL	-5.06	-0.00719	PASS
					VN	-3.69	-0.00524	PASS
					VH	-2.70	-0.00384	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
					50	9.91	0.00981	PASS
		5	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
					50	3.71	0.00261	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
					50	-1.28	-0.00341	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

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
					50	-4.94	-0.00784	PASS
			MCH	VN	-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
					40	175.82	0.2083	PASS
					50	60.93	0.07096	PASS
			HCH	VN	-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
					30	0.69	-0.00107	PASS
					40	-6.16	-0.00918	PASS
					50	2.05	0.00054	PASS
	LTE/TM2	1.4	LCH	VN	-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	PASS
					-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
					50	-7.22	-0.0104	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
					50	2.6	0.00127	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
					50	0.81	-0.00091	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
					50	-8.63	-0.01208	PASS
		10	LCH	VN	-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
					50	30.29	0.03433	PASS
			HCH	VN	-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
					30	1.66	0.00016	PASS
					40	6.33	0.00671	PASS
					50	-1.71	-0.00456	PASS
		10	LCH	VN	-30	-4.2	-0.00809	PASS
					-20	-4.66	-0.00873	PASS
					-10	-5	-0.00921	PASS
					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
			MCH	VN	-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
					30	-3.97	-0.00775	PASS
					40	-5.3	-0.00963	PASS
					50	-0.93	-0.00347	PASS
			HCH	VN	-30	-0.41	-0.00274	PASS
					-20	-0.35	-0.00265	PASS
					-10	0.06	-0.00208	PASS
					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			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	0.00209	PASS
					-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
					50	-0.23	-0.00249	PASS
			HCH	VN	-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
					40	2.09	0.00077	PASS
					50	4.71	0.00444	PASS
		10	LCH	VN	-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	-2.06	-0.00294	PASS
					-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
					50	0.24	0.00034	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
					50	-0.93	-0.0013	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
	LTE/TM2	1.4	LCH	VN	-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
			MCH	VN	-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
			HCH	VN	-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

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
					50	3.42	0.00483	PASS
			HCH	VN	-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
					30	-5.25	-0.00735	PASS
					40	-1.10	-0.00154	PASS
					50	-6.18	-0.00865	PASS
		5	LCH	VN	-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
					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
					50	-0.34	-0.00048	PASS
		10	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
					50	-0.94	-0.00134	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
					50	0.57	0.00081	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



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