







6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0







6.1.1.2.6.3 Test Channel = HCH

6.1.1.2.6.3.1 Test RB = RB1#0









7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

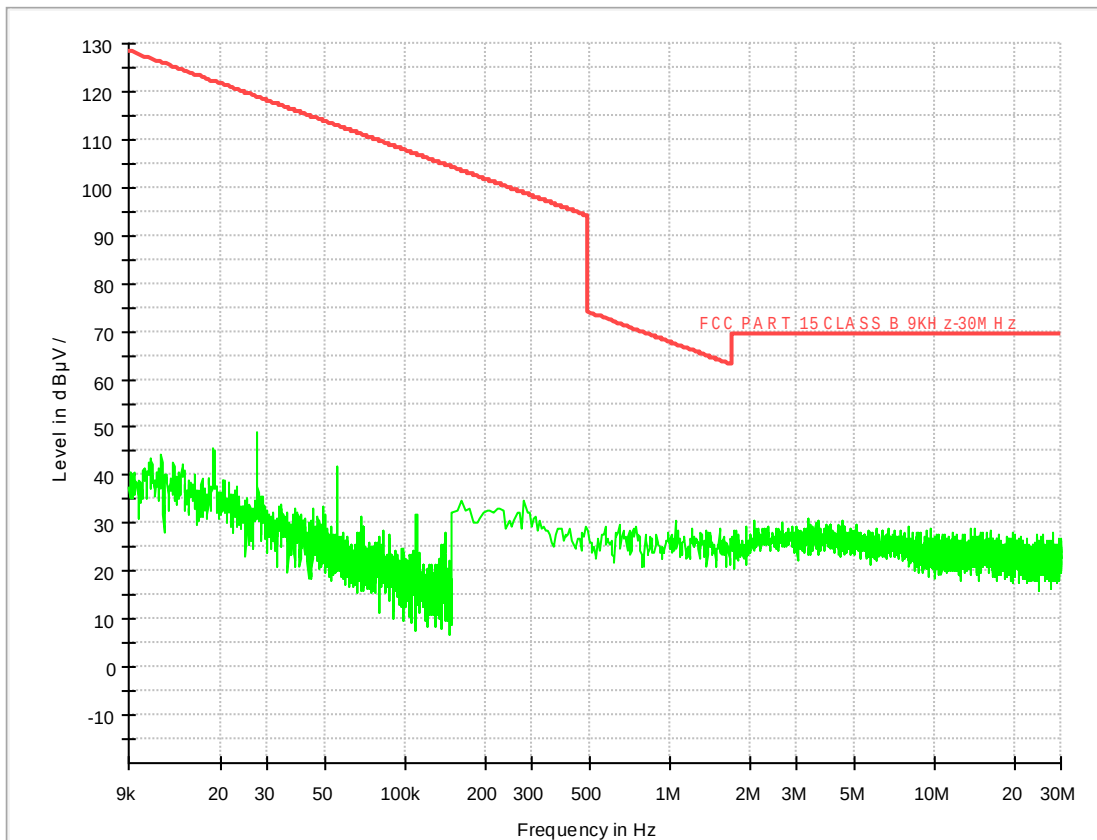
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

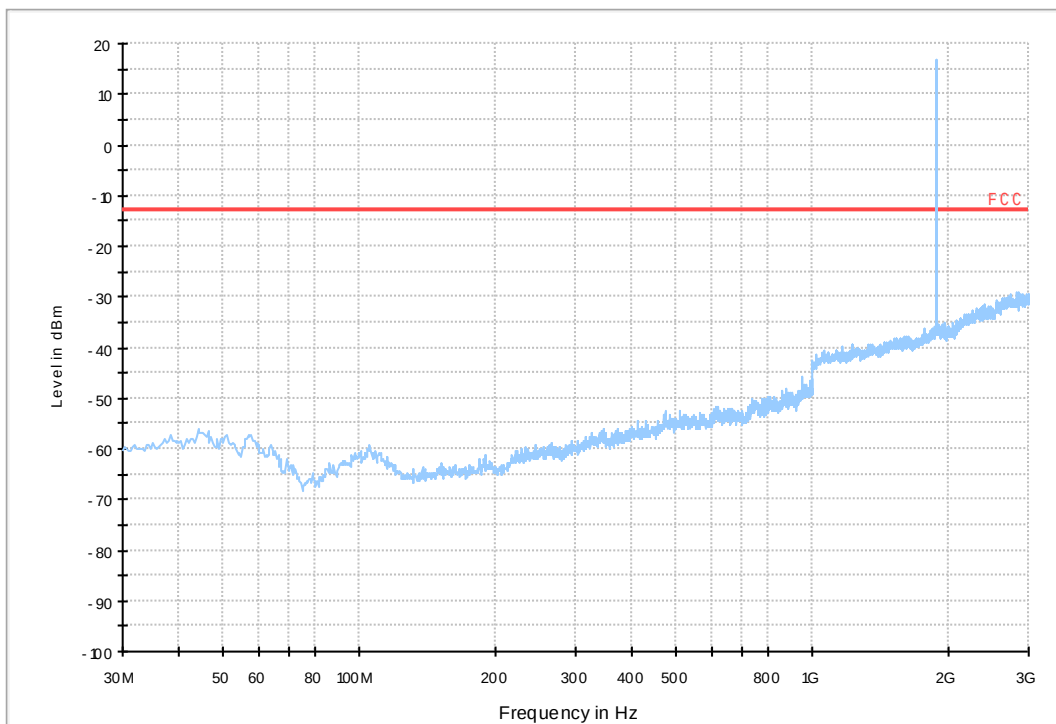
7.1 For LTE

7.1.1 Test Band = BAND2_ANT1

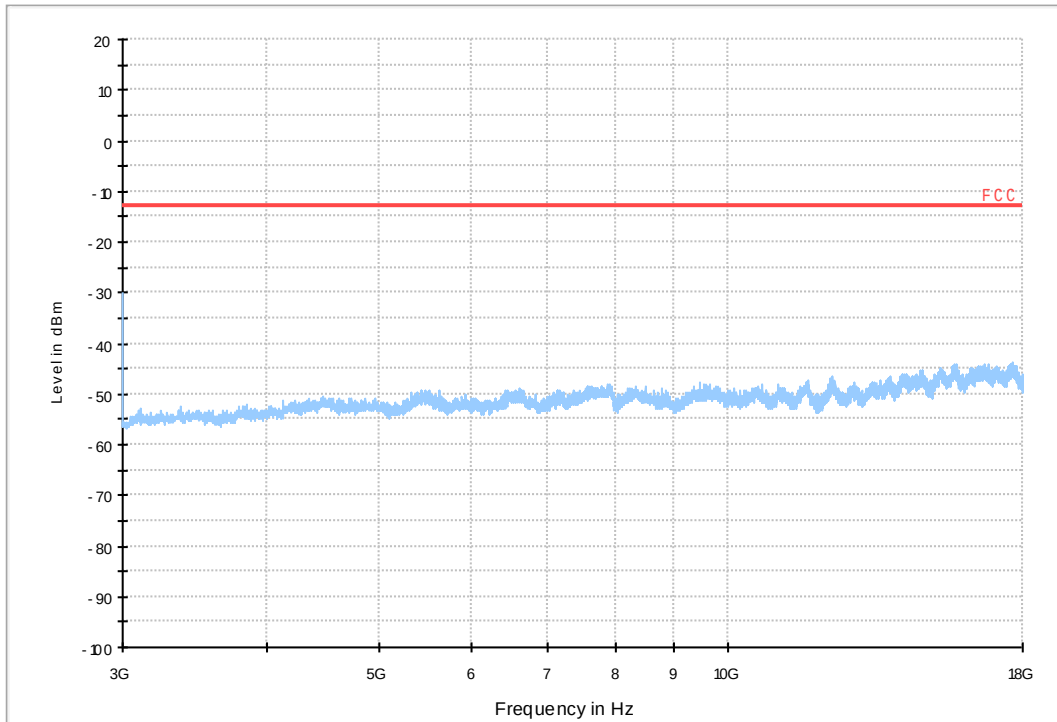
7.1.1.1 Test Bandwidth = 1.4



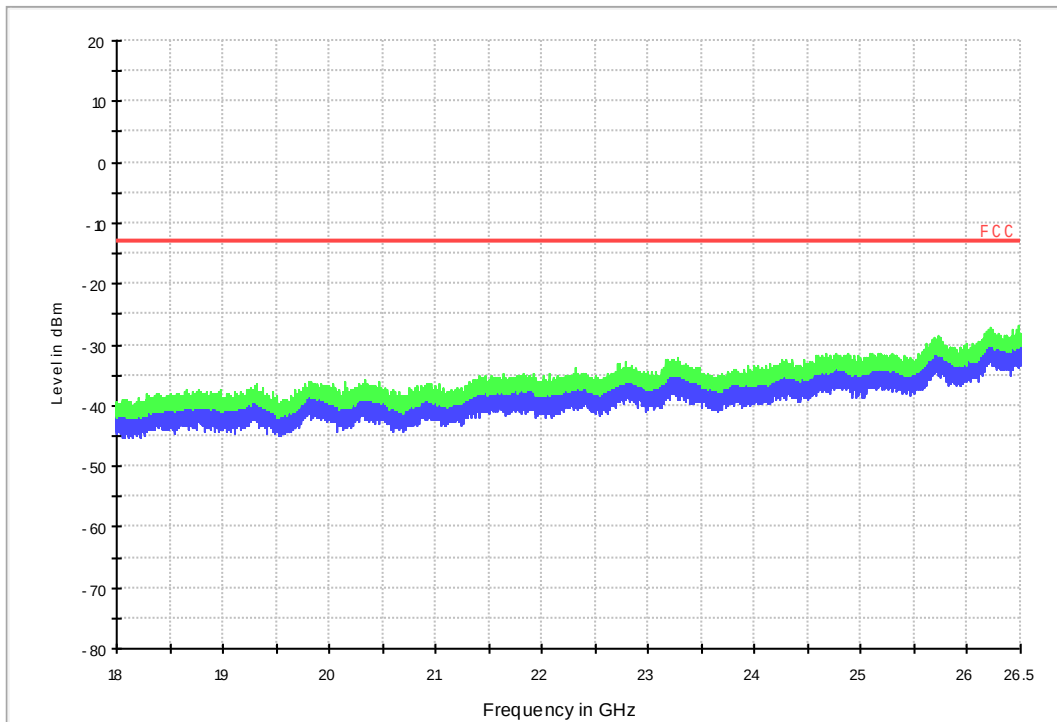
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



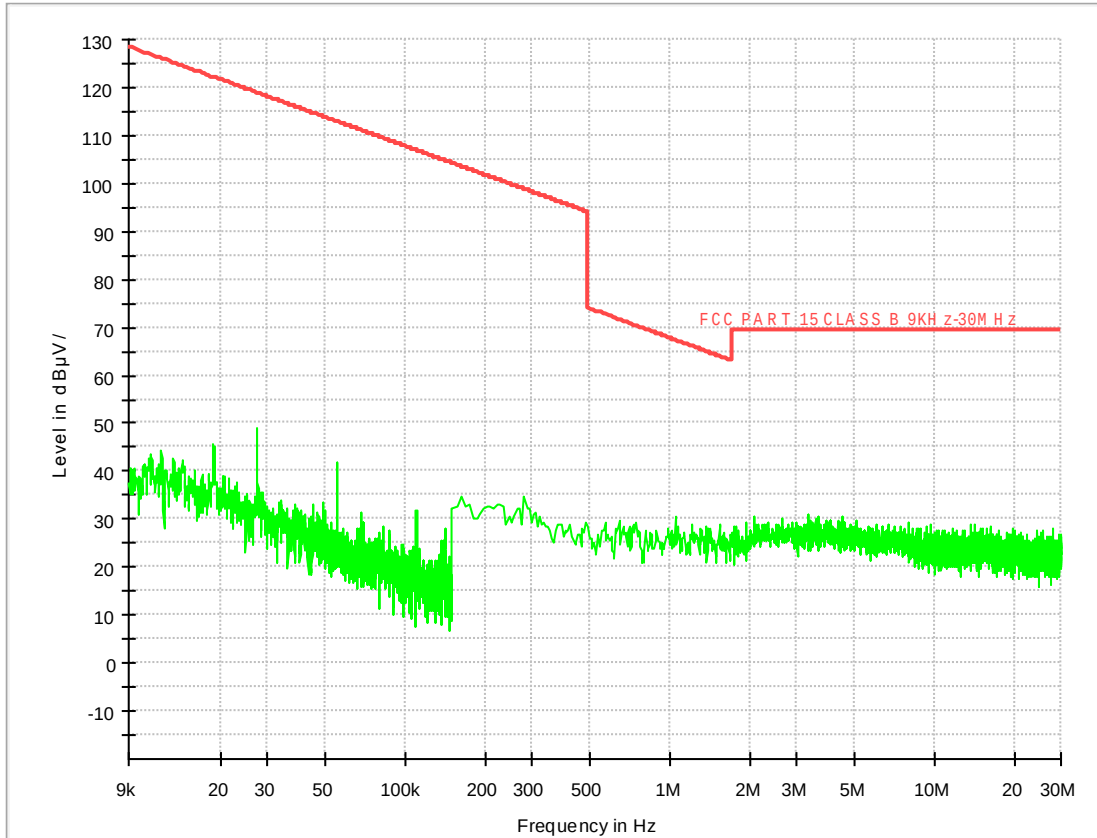
LTE FDD R SE-TX-DIRECTOR ABOVE 1.5G_H



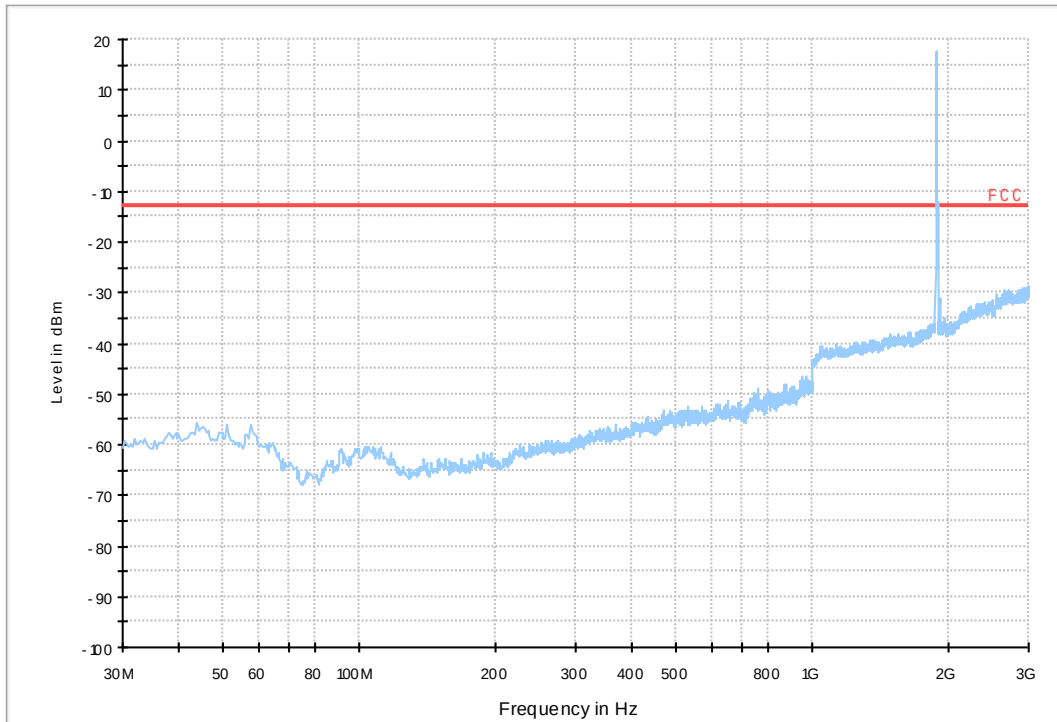
18G~26.5G R SE-TX-DIRECTOR ABOVE 1.5G PK



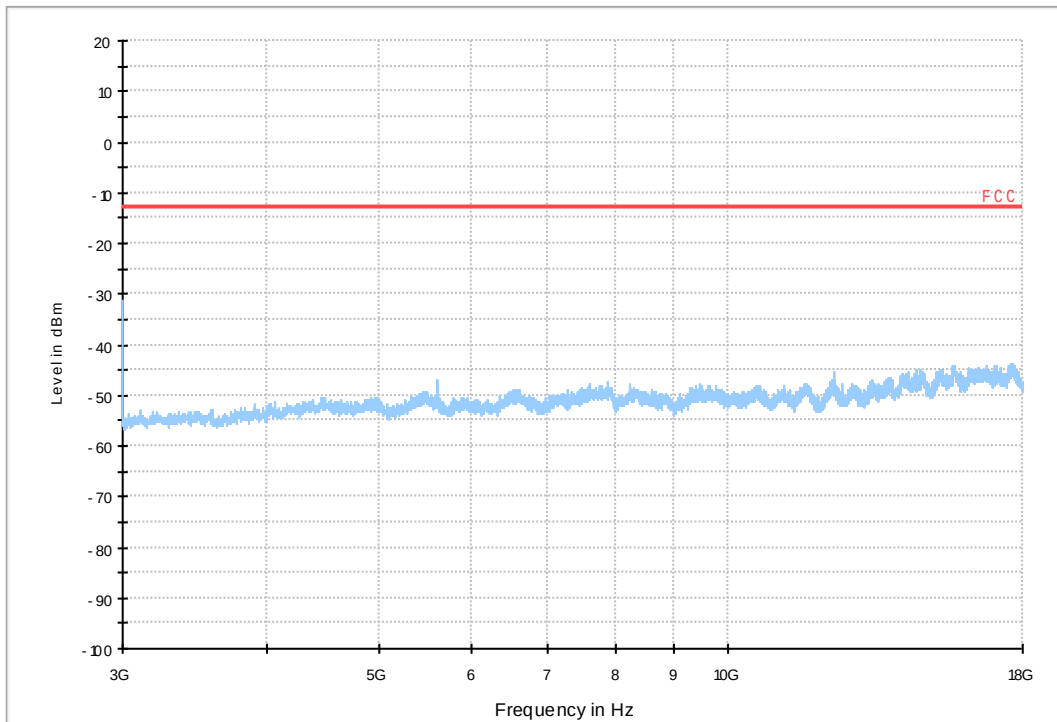
7.1.1.2 Test Bandwidth = 20



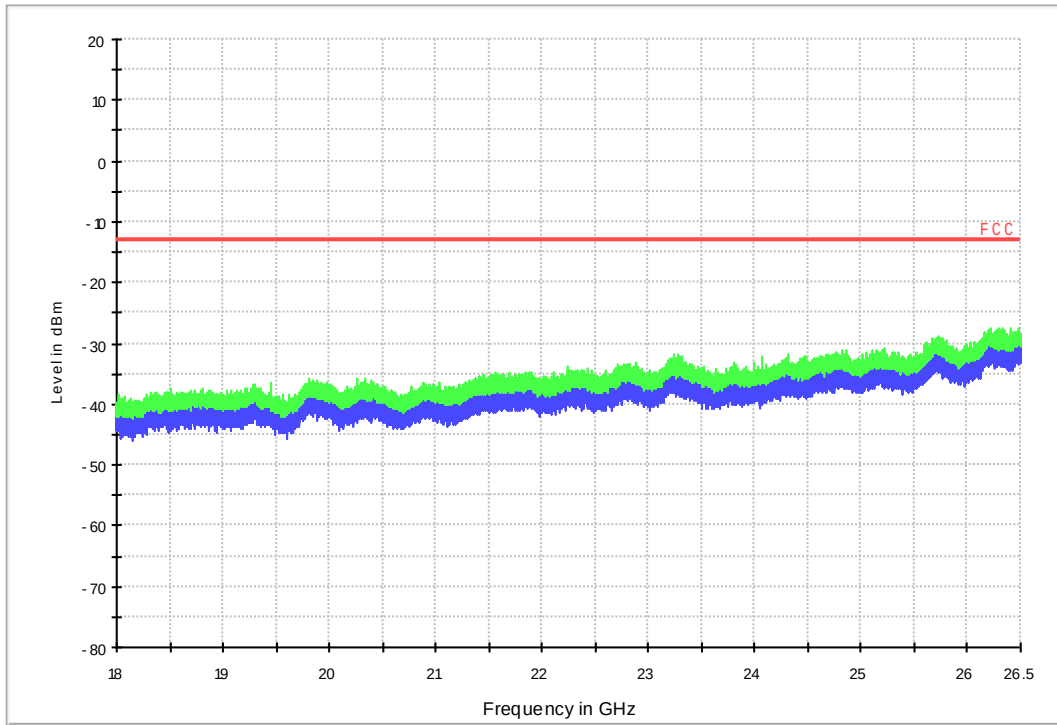
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

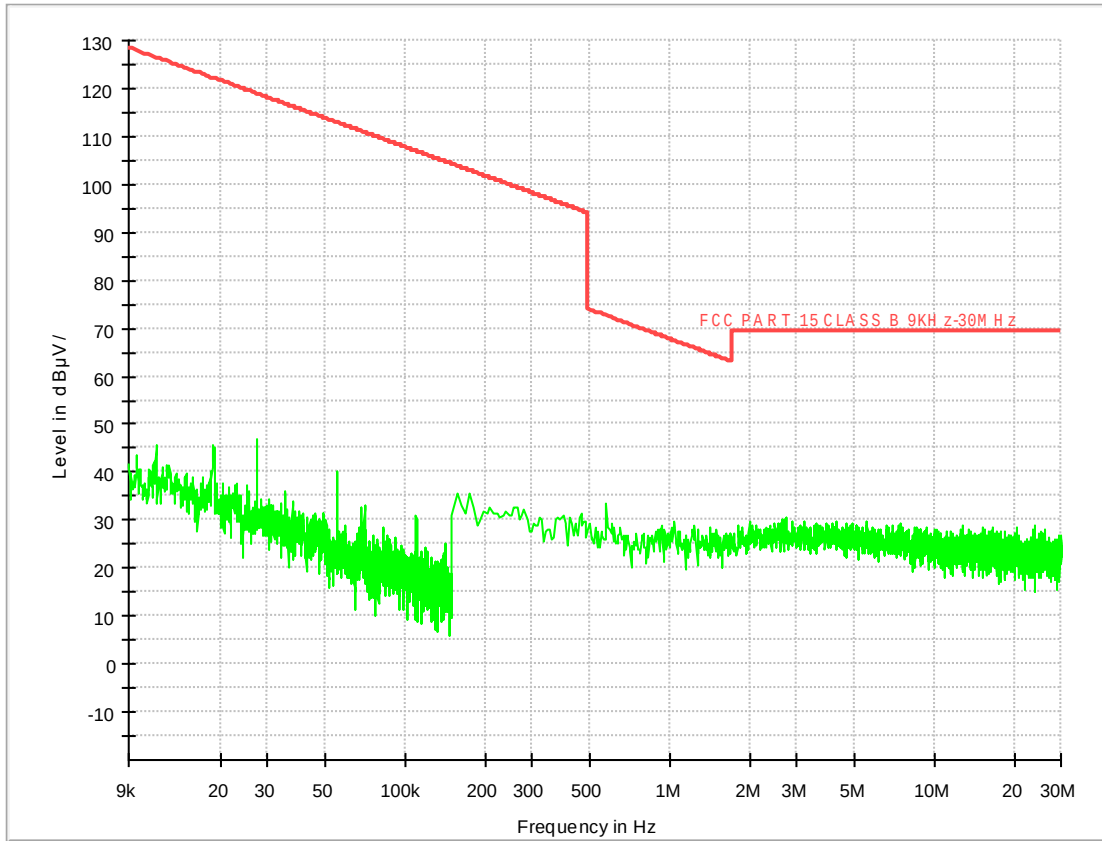


18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

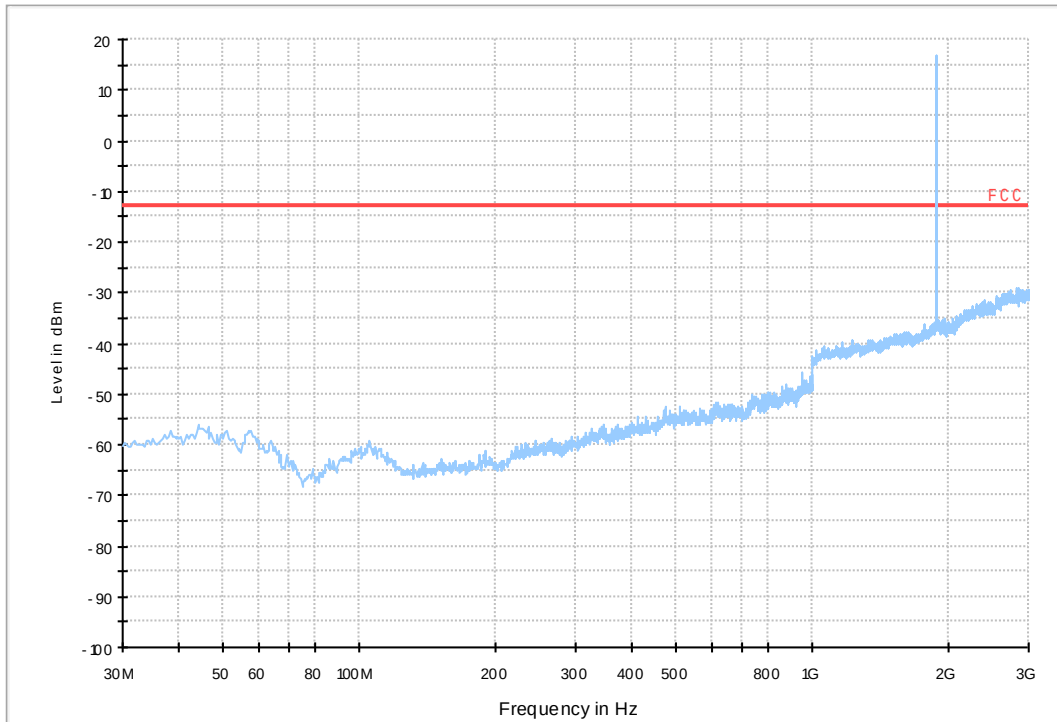


7.1.2 Test Band = BAND2_ANT2

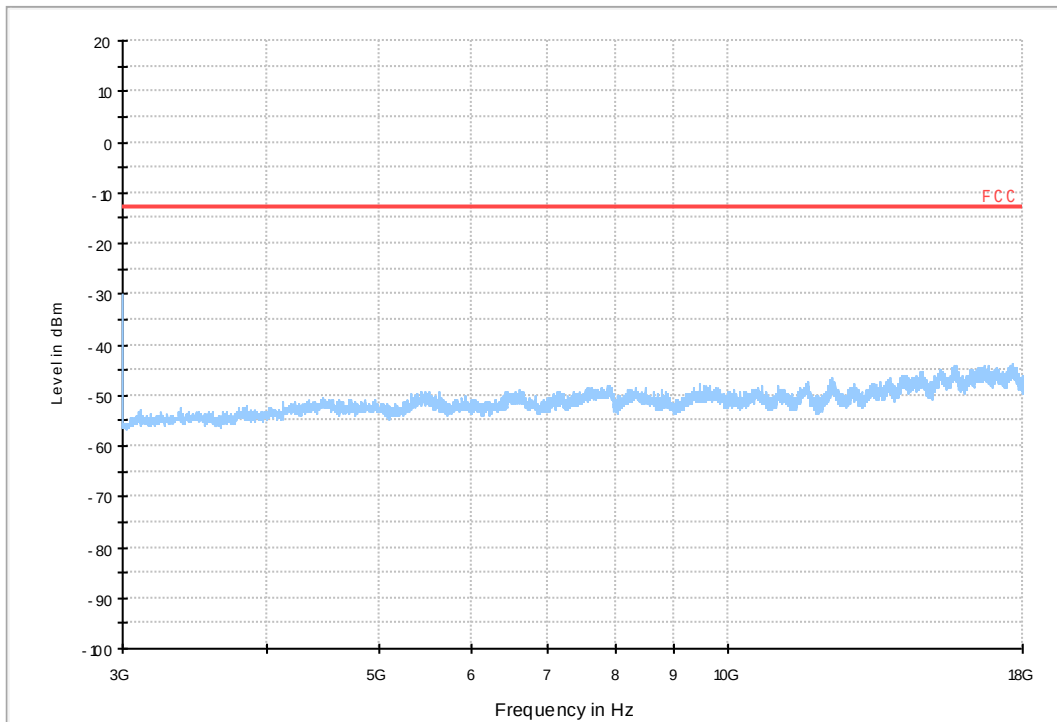
7.1.2.1 Test Bandwidth = 1.4



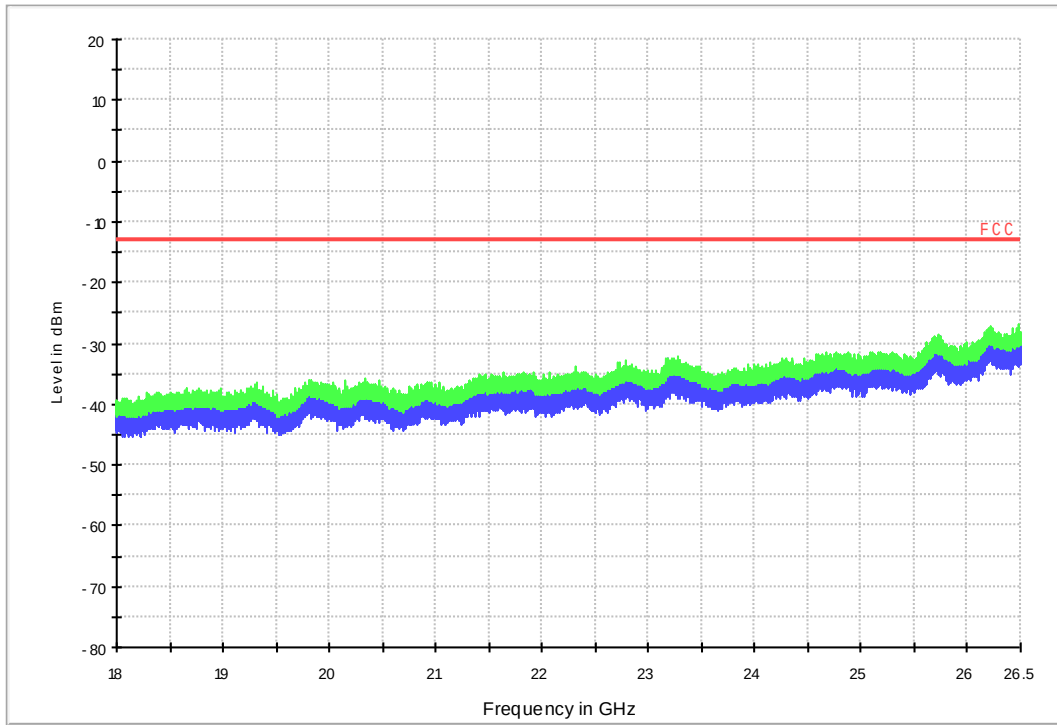
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



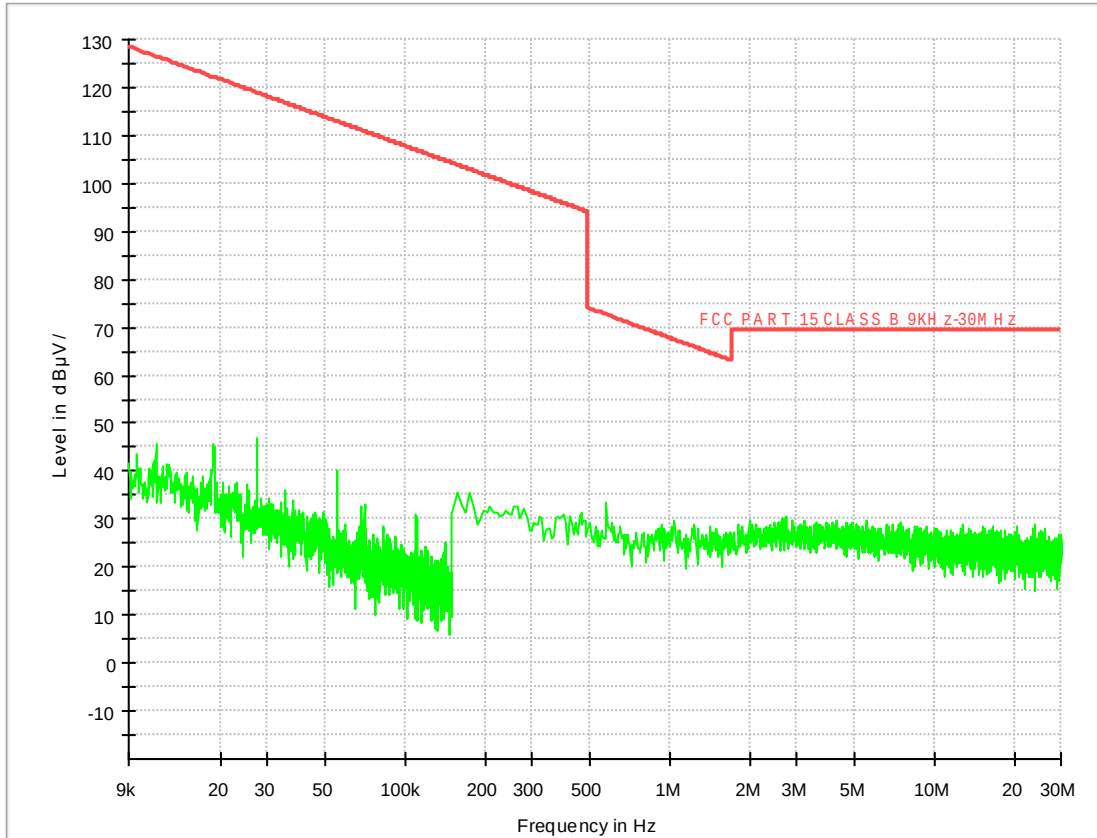
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



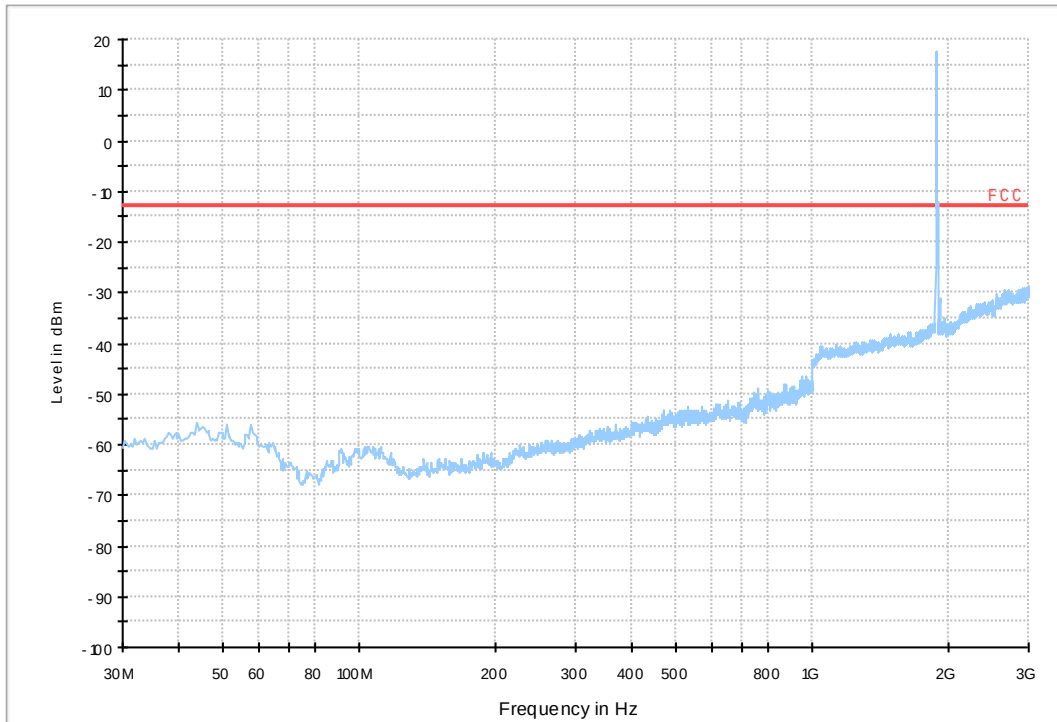
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



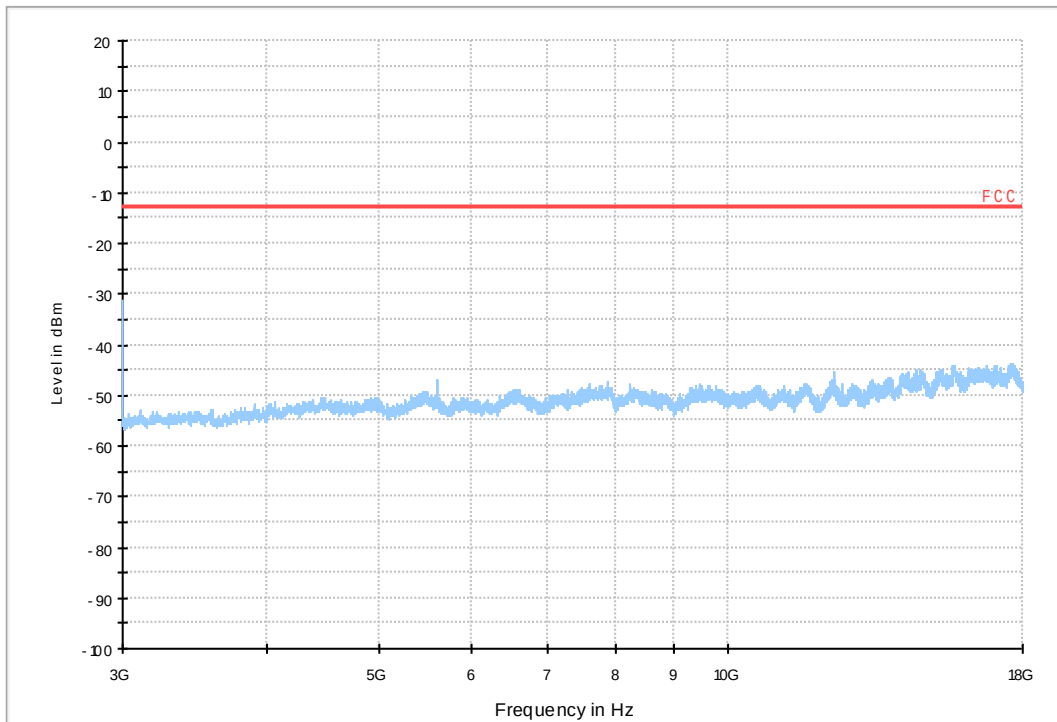
7.1.2.2 Test Bandwidth = 20



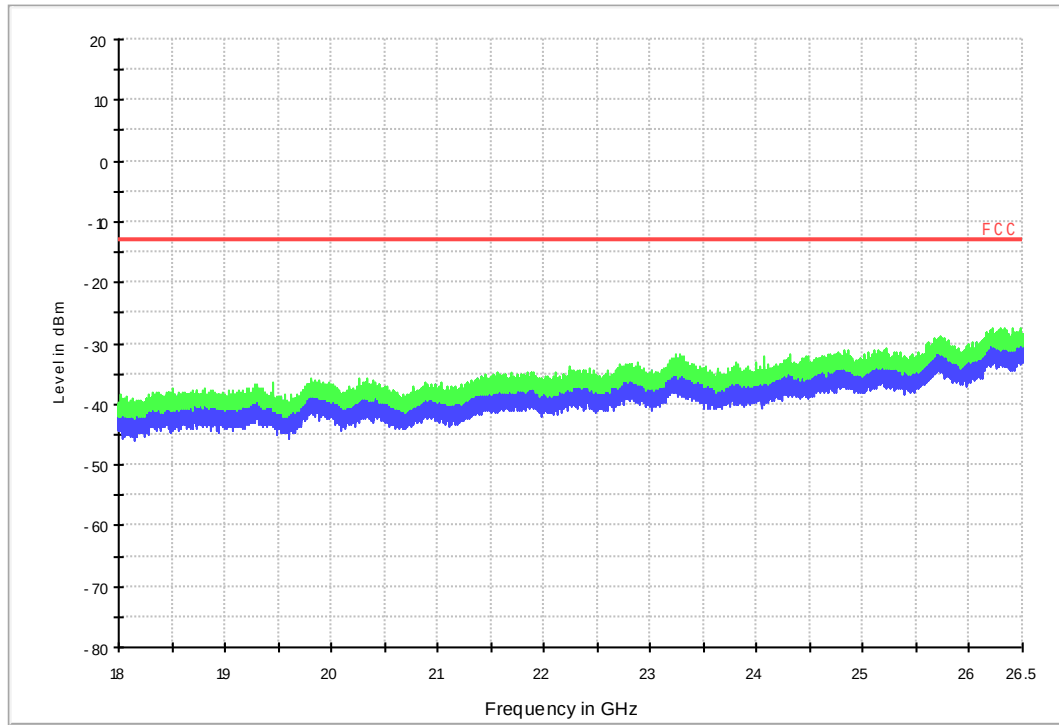
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



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
BAND2	LTE/TM1	1.4	LCH	TN	VL	-0.67	-0.00036	PASS
					VN	-14.71	-0.00795	PASS
					VH	-0.90	-0.00049	PASS
			MCH	TN	VL	-4.62	-0.00246	PASS
					VN	-1.46	-0.00078	PASS
					VH	-17.22	-0.00916	PASS
			HCH	TN	VL	-4.32	-0.00226	PASS
					VN	-2.50	-0.00131	PASS
					VH	0.86	0.00045	PASS
		3	LCH	TN	VL	-2.89	-0.00156	PASS
					VN	-0.39	-0.00021	PASS
					VH	-3.66	-0.00198	PASS
			MCH	TN	VL	-1.97	-0.00105	PASS
					VN	-2.88	-0.00153	PASS
					VH	-12.04	-0.0064	PASS
			HCH	TN	VL	-8.13	-0.00426	PASS
					VN	-3.91	-0.00205	PASS
					VH	-4.06	-0.00213	PASS
		5	LCH	TN	VL	-1.33	-0.00072	PASS
					VN	-4.68	-0.00253	PASS
					VH	-0.97	-0.00052	PASS
			MCH	TN	VL	-2.46	-0.00131	PASS
					VN	-4.41	-0.00235	PASS
					VH	-3.76	-0.002	PASS
			HCH	TN	VL	-6.45	-0.00338	PASS
					VN	-1.54	-0.00081	PASS
					VH	-2.55	-0.00134	PASS
		10	LCH	TN	VL	3.78	0.00204	PASS
					VN	-3.58	-0.00193	PASS
					VH	-0.67	-0.00036	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2		MCH	TN	VL	-1.03	-0.00055	PASS
					VN	-1.03	-0.00055	PASS
					VH	-1.32	-0.0007	PASS
			HCH	TN	VL	-3.15	-0.00165	PASS
					VN	-1.87	-0.00098	PASS
					VH	3.12	0.00164	PASS
		15	LCH	TN	VL	-6.48	-0.00349	PASS
					VN	-0.23	-0.00012	PASS
					VH	-3.26	-0.00176	PASS
			MCH	TN	VL	-1.77	-0.00094	PASS
					VN	-0.33	-0.00018	PASS
					VH	-1.42	-0.00076	PASS
			HCH	TN	VL	-3.68	-0.00193	PASS
					VN	-3.60	-0.00189	PASS
					VH	-5.94	-0.00312	PASS
		20	LCH	TN	VL	-4.89	-0.00263	PASS
					VN	-2.99	-0.00161	PASS
					VH	-3.33	-0.00179	PASS
			MCH	TN	VL	-2.15	-0.00114	PASS
					VN	-1.44	-0.00077	PASS
					VH	-2.39	-0.00127	PASS
			HCH	TN	VL	1.72	0.00091	PASS
					VN	1.10	0.00058	PASS
					VH	3.25	0.00171	PASS
		1.4	LCH	TN	VL	-2.88	-0.00156	PASS
					VN	-6.49	-0.00351	PASS
					VH	-3.95	-0.00213	PASS
			MCH	TN	VL	-0.92	-0.00049	PASS
					VN	0.51	0.00027	PASS
					VH	0.46	0.00024	PASS
			HCH	TN	VL	-12.63	-0.00661	PASS
					VN	-7.01	-0.00367	PASS
					VH	6.44	0.00337	PASS
		3	LCH	TN	VL	0.09	0.00005	PASS
					VN	1.19	0.00064	PASS
					VH	0.80	0.00043	PASS
			MCH	TN	VL	-4.18	-0.00222	PASS
					VN	-26.41	-0.01405	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VH	-3.45	-0.00184	PASS
					VL	-1.43	-0.00075	PASS
					VN	-5.61	-0.00294	PASS
					VH	-0.13	-0.00007	PASS
		5	LCH	TN	VL	-6.65	-0.00359	PASS
					VN	-4.58	-0.00247	PASS
					VH	-6.85	-0.0037	PASS
			MCH	TN	VL	-5.92	-0.00315	PASS
					VN	-0.79	-0.00042	PASS
					VH	-3.79	-0.00202	PASS
			HCH	TN	VL	-2.92	-0.00153	PASS
					VN	-2.60	-0.00136	PASS
					VH	-2.60	-0.00136	PASS
		10	LCH	TN	VL	-2.53	-0.00136	PASS
					VN	0.44	0.00024	PASS
					VH	-1.39	-0.00075	PASS
			MCH	TN	VL	-3.20	-0.0017	PASS
					VN	-3.66	-0.00195	PASS
					VH	-3.52	-0.00187	PASS
			HCH	TN	VL	-0.01	-0.00001	PASS
					VN	-0.49	-0.00026	PASS
					VH	0.53	0.00028	PASS
		15	LCH	TN	VL	-3.60	-0.00194	PASS
					VN	-5.74	-0.00309	PASS
					VH	-4.76	-0.00256	PASS
			MCH	TN	VL	-1.75	-0.00093	PASS
					VN	-0.59	-0.00031	PASS
					VH	-3.72	-0.00198	PASS
			HCH	TN	VL	-2.32	-0.00122	PASS
					VN	-2.89	-0.00152	PASS
					VH	-2.80	-0.00147	PASS
		20	LCH	TN	VL	5.91	0.00318	PASS
					VN	7.64	0.00411	PASS
					VH	5.38	0.00289	PASS
			MCH	TN	VL	-3.00	-0.0016	PASS
					VN	-2.10	-0.00112	PASS
					VH	-2.30	-0.00122	PASS
			HCH	TN	VL	0.51	0.00027	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-0.64	-0.00034	PASS
					VH	0.00	0	PASS

8.1.2 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
BAND2	LTE/TM1	1.4	LCH	VN	-30	-3.99	-0.00036	PASS
					-20	3.36	-0.00795	PASS
					-10	-19.07	-0.00049	PASS
					0	11.33	-0.00246	PASS
					10	-10.30	-0.00078	PASS
					20	-6.25	-0.00916	PASS
					30	0.54	-0.00226	PASS
					40	-2.10	-0.00131	PASS
					50	0.34	0.00045	PASS
			MCH	VN	-30	-7.67	-0.00156	PASS
					-20	8.47	-0.00021	PASS
					-10	-17.19	-0.00198	PASS
					0	-17.04	-0.00105	PASS
					10	-9.74	-0.00153	PASS
					20	-1.07	-0.0064	PASS
					30	-9.48	-0.00426	PASS
					40	-5.36	-0.00205	PASS
					50	-5.61	-0.00213	PASS
			HCH	VN	-30	-14.09	-0.00072	PASS
					-20	-6.37	-0.00253	PASS
					-10	-12.60	-0.00052	PASS
					0	-0.43	-0.00131	PASS
					10	-15.56	-0.00235	PASS
					20	6.81	-0.002	PASS
					30	-15.75	-0.00338	PASS
					40	-3.79	-0.00081	PASS
					50	1.34	-0.00134	PASS
		3	LCH	VN	-30	1.57	0.00204	PASS
					-20	-9.56	-0.00193	PASS
					-10	-9.07	-0.00036	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	0.13	-0.00055	PASS
					10	-1.17	-0.00055	PASS
					20	-6.45	-0.0007	PASS
					30	0.60	-0.00165	PASS
					40	0.89	-0.00098	PASS
					50	-4.52	0.00164	PASS
			MCH	VN	-30	0.04	-0.00349	PASS
					-20	-5.36	-0.00012	PASS
					-10	-1.93	-0.00176	PASS
					0	-1.87	-0.00094	PASS
					10	-3.58	-0.00018	PASS
					20	-6.01	-0.00076	PASS
					30	-14.00	-0.00193	PASS
					40	-3.86	-0.00189	PASS
					50	-1.62	-0.00312	PASS
			HCH	VN	-30	1.13	-0.00263	PASS
					-20	0.97	-0.00161	PASS
					-10	-5.04	-0.00179	PASS
					0	-2.43	-0.00114	PASS
					10	-3.72	-0.00077	PASS
					20	-1.76	-0.00127	PASS
					30	-10.63	0.00091	PASS
					40	-0.74	0.00058	PASS
					50	-6.17	0.00171	PASS
		5	LCH	VN	-30	-4.21	-0.00156	PASS
					-20	-2.26	-0.00351	PASS
					-10	-6.17	-0.00213	PASS
					0	-4.21	-0.00049	PASS
					10	0.16	0.00027	PASS
					20	-3.36	0.00024	PASS
					30	-1.96	-0.00661	PASS
					40	-5.08	-0.00367	PASS
					50	0.10	0.00337	PASS
			MCH	VN	-30	-2.65	0.00005	PASS
					-20	-2.20	0.00064	PASS
					-10	-4.18	0.00043	PASS
					0	-1.39	-0.00222	PASS
					10	-0.67	-0.01405	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-4.66	-0.00184	PASS
					30	-2.78	-0.00075	PASS
					40	-1.43	-0.00294	PASS
					50	-0.87	-0.00007	PASS
			HCH	VN	-30	-5.26	-0.00359	PASS
					-20	-6.91	-0.00247	PASS
					-10	-5.32	-0.0037	PASS
					0	-1.44	-0.00315	PASS
					10	-3.78	-0.00042	PASS
					20	-5.26	-0.00202	PASS
					30	-3.88	-0.00153	PASS
					40	-1.92	-0.00136	PASS
					50	-4.66	-0.00136	PASS
		10	LCH	VN	-30	-0.70	-0.00136	PASS
					-20	0.30	0.00024	PASS
					-10	-6.71	-0.00075	PASS
					0	2.63	-0.0017	PASS
					10	0.86	-0.00195	PASS
					20	-1.14	-0.00187	PASS
					30	-0.29	-0.00001	PASS
					40	-2.95	-0.00026	PASS
					50	1.39	0.00028	PASS
			MCH	VN	-30	-1.32	-0.00194	PASS
					-20	-3.98	-0.00309	PASS
					-10	-4.79	-0.00256	PASS
					0	-2.80	-0.00093	PASS
					10	-3.91	-0.00031	PASS
					20	-2.10	-0.00198	PASS
					30	-3.95	-0.00122	PASS
					40	-0.67	-0.00152	PASS
					50	-6.71	-0.00147	PASS
			HCH	VN	-30	-1.37	0.00318	PASS
					-20	-1.47	0.00411	PASS
					-10	-2.72	0.00289	PASS
					0	-1.06	-0.0016	PASS
					10	-2.09	-0.00112	PASS
					20	-2.42	-0.00122	PASS
					30	-3.00	0.00027	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-1.06	-0.00034	PASS
					50	-6.32	0	PASS
		15	LCH	VN	-30	-3.18	-0.00024	PASS
					-20	-2.32	-0.00036	PASS
					-10	-1.73	-0.00795	PASS
					0	-3.25	-0.00049	PASS
					10	-5.22	-0.00246	PASS
					20	-4.86	-0.00078	PASS
					30	-0.86	-0.00916	PASS
					40	-2.23	-0.00226	PASS
					50	-4.68	-0.00131	PASS
			MCH	VN	-30	-2.16	0.00045	PASS
					-20	-4.12	-0.00156	PASS
					-10	-3.49	-0.00021	PASS
					0	-2.17	-0.00198	PASS
					10	-0.84	-0.00105	PASS
					20	-2.79	-0.00153	PASS
					30	-1.62	-0.0064	PASS
					40	-3.06	-0.00426	PASS
					50	-3.20	-0.00205	PASS
			HCH	VN	-30	-6.11	-0.00213	PASS
					-20	-3.28	-0.00072	PASS
					-10	-1.39	-0.00253	PASS
					0	-3.56	-0.00052	PASS
					10	-3.79	-0.00131	PASS
					20	-2.19	-0.00235	PASS
					30	-5.48	-0.002	PASS
					40	-4.89	-0.00338	PASS
					50	-4.39	-0.00081	PASS
		20	LCH	VN	-30	-4.59	-0.00134	PASS
					-20	-4.78	0.00204	PASS
					-10	-1.42	-0.00193	PASS
					0	-6.97	-0.00036	PASS
					10	0.92	-0.00055	PASS
					20	-6.22	-0.00055	PASS
					30	0.43	-0.0007	PASS
					40	-3.83	-0.00165	PASS
					50	-0.23	-0.00098	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	-4.92	0.00164	PASS
					-20	-3.03	-0.00349	PASS
					-10	-6.39	-0.00012	PASS
					0	-5.24	-0.00176	PASS
					10	-2.57	-0.00094	PASS
					20	-5.12	-0.00018	PASS
					30	-0.82	-0.00076	PASS
					40	-2.30	-0.00193	PASS
					50	-5.55	-0.00189	PASS
			HCH	VN	-30	-1.23	-0.00312	PASS
					-20	0.77	-0.00263	PASS
					-10	1.19	-0.00161	PASS
					0	0.26	-0.00179	PASS
					10	1.75	-0.00114	PASS
					20	2.33	-0.00077	PASS
					30	-0.09	-0.00127	PASS
					40	-1.52	0.00091	PASS
					50	0.66	0.00058	PASS
	LTE/TM2	1.4	LCH	VN	-30	-0.64	0.00171	PASS
					-20	-6.90	-0.00156	PASS
					-10	6.39	-0.00351	PASS
					0	-0.23	-0.00213	PASS
					10	-19.44	-0.00049	PASS
					20	-2.07	0.00027	PASS
					30	-3.42	0.00024	PASS
					40	-5.71	-0.00661	PASS
					50	-5.62	-0.00367	PASS
			MCH	VN	-30	-3.52	0.00337	PASS
					-20	0.06	0.00005	PASS
					-10	5.16	0.00064	PASS
					0	0.86	0.00043	PASS
					10	-6.07	-0.00222	PASS
					20	-28.64	-0.01405	PASS
					30	13.78	-0.00184	PASS
					40	-9.03	-0.00075	PASS
					50	-5.68	-0.00294	PASS
			HCH	VN	-30	-23.16	-0.00007	PASS
					-20	-7.38	-0.00359	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-11.06	-0.00247	PASS
					0	1.29	-0.0037	PASS
					10	-8.47	-0.00315	PASS
					20	-3.85	-0.00042	PASS
					30	-11.64	-0.00202	PASS
					40	-20.80	-0.00153	PASS
					50	3.91	-0.00136	PASS
		3	LCH	VN	-30	-6.58	-0.00136	PASS
					-20	-9.20	-0.00136	PASS
					-10	-2.52	0.00024	PASS
					0	0.54	-0.00075	PASS
					10	-3.18	-0.0017	PASS
					20	-2.92	-0.00195	PASS
					30	0.07	-0.00187	PASS
					40	-6.24	-0.00001	PASS
					50	1.53	-0.00026	PASS
			MCH	VN	-30	-3.52	0.00028	PASS
					-20	-7.90	-0.00194	PASS
					-10	0.70	-0.00309	PASS
					0	-2.70	-0.00256	PASS
					10	-3.63	-0.00093	PASS
					20	-9.24	-0.00031	PASS
					30	-10.14	-0.00198	PASS
					40	-2.27	-0.00122	PASS
					50	-18.94	-0.00152	PASS
			HCH	VN	-30	-11.40	-0.00147	PASS
					-20	-2.99	0.00318	PASS
					-10	0.41	0.00411	PASS
					0	-0.23	0.00289	PASS
					10	-0.97	-0.0016	PASS
					20	-0.87	-0.00112	PASS
					30	0.41	-0.00122	PASS
					40	0.14	0.00027	PASS
					50	-0.77	-0.00034	PASS
		5	LCH	VN	-30	-5.32	0	PASS
					-20	-4.46	-0.00012	PASS
					-10	-2.06	-0.00036	PASS
					0	-0.37	-0.00795	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-1.53	-0.00049	PASS
					20	-4.12	-0.00246	PASS
					30	-5.34	-0.00078	PASS
					40	-1.13	-0.00916	PASS
					50	-4.41	-0.00226	PASS
			MCH	VN	-30	-4.12	-0.00131	PASS
					-20	-2.76	0.00045	PASS
					-10	-1.63	-0.00156	PASS
					0	-3.22	-0.00021	PASS
					10	-2.92	-0.00198	PASS
					20	-2.53	-0.00105	PASS
					30	-2.36	-0.00153	PASS
					40	-2.50	-0.0064	PASS
					50	-2.52	-0.00426	PASS
			HCH	VN	-30	-3.16	-0.00205	PASS
					-20	-4.49	-0.00213	PASS
					-10	-2.63	-0.00072	PASS
					0	-1.82	-0.00253	PASS
					10	-5.34	-0.00052	PASS
					20	-3.60	-0.00131	PASS
					30	-5.06	-0.00235	PASS
					40	-4.25	-0.002	PASS
					50	-2.03	-0.00338	PASS
		10	LCH	VN	-30	2.56	-0.00081	PASS
					-20	2.29	-0.00134	PASS
					-10	-0.89	0.00204	PASS
					0	-2.20	-0.00193	PASS
					10	-2.83	-0.00036	PASS
					20	1.06	-0.00055	PASS
					30	-1.99	-0.00055	PASS
					40	-0.74	-0.0007	PASS
					50	-0.90	-0.00165	PASS
			MCH	VN	-30	-1.52	-0.00098	PASS
					-20	-3.78	0.00164	PASS
					-10	-3.08	-0.00349	PASS
					0	-2.62	-0.00012	PASS
					10	-2.88	-0.00176	PASS
					20	-4.88	-0.00094	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-2.03	-0.00018	PASS
					40	-2.80	-0.00076	PASS
					50	-2.95	-0.00193	PASS
			HCH	VN	-30	-2.63	-0.00189	PASS
					-20	-1.54	-0.00312	PASS
					-10	-2.39	-0.00263	PASS
					0	-1.83	-0.00161	PASS
					10	-1.17	-0.00179	PASS
					20	-2.99	-0.00114	PASS
					30	-2.43	-0.00077	PASS
					40	-1.97	-0.00127	PASS
					50	-1.57	0.00091	PASS
			LCH	VN	-30	-5.39	0.00058	PASS
					-20	-6.97	0.00171	PASS
					-10	-6.28	-0.00156	PASS
					0	-7.32	-0.00351	PASS
					10	-4.99	-0.00213	PASS
					20	-8.60	-0.00049	PASS
					30	-6.61	0.00027	PASS
					40	-4.15	0.00024	PASS
					50	-6.54	-0.00661	PASS
			MCH	VN	-30	-2.29	-0.00367	PASS
					-20	-2.05	0.00337	PASS
					-10	-1.67	0.00005	PASS
					0	-2.50	0.00064	PASS
					10	-2.85	0.00043	PASS
					20	-5.64	-0.00222	PASS
					30	-2.88	-0.01405	PASS
					40	-1.06	-0.00184	PASS
		15	HCH	VN	50	-2.29	-0.00075	PASS
					-30	-2.73	-0.00294	PASS
					-20	-2.73	-0.00007	PASS
					-10	-2.98	-0.00359	PASS
					0	-4.49	-0.00247	PASS
					10	-3.72	-0.0037	PASS
					20	-7.51	-0.00315	PASS
					30	-3.40	-0.00042	PASS
					40	-3.59	-0.00202	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20	LCH	VN	50	-3.75	-0.00153	PASS
					-30	-1.92	-0.00136	PASS
					-20	-1.37	-0.00136	PASS
					-10	-0.13	-0.00136	PASS
					0	-2.47	0.00024	PASS
					10	-0.72	-0.00075	PASS
					20	-1.56	-0.0017	PASS
					30	-1.85	-0.00195	PASS
					40	-0.63	-0.00187	PASS
					50	0.23	-0.00001	PASS
			MCH	VN	-30	-5.24	-0.00026	PASS
					-20	-3.35	0.00028	PASS
					-10	-4.15	-0.00194	PASS
					0	-1.89	-0.00309	PASS
					10	-3.23	-0.00256	PASS
					20	-2.39	-0.00093	PASS
					30	-4.19	-0.00031	PASS
					40	-0.37	-0.00198	PASS
					50	-2.78	-0.00122	PASS
			HCH	VN	-30	-0.37	-0.00152	PASS
					-20	-0.72	-0.00147	PASS
					-10	-1.46	0.00318	PASS
					0	0.77	0.00411	PASS
					10	1.13	0.00289	PASS
					20	-1.19	-0.0016	PASS
					30	-0.80	-0.00112	PASS
					40	-1.07	-0.00122	PASS
					50	-1.36	0.00027	PASS

END