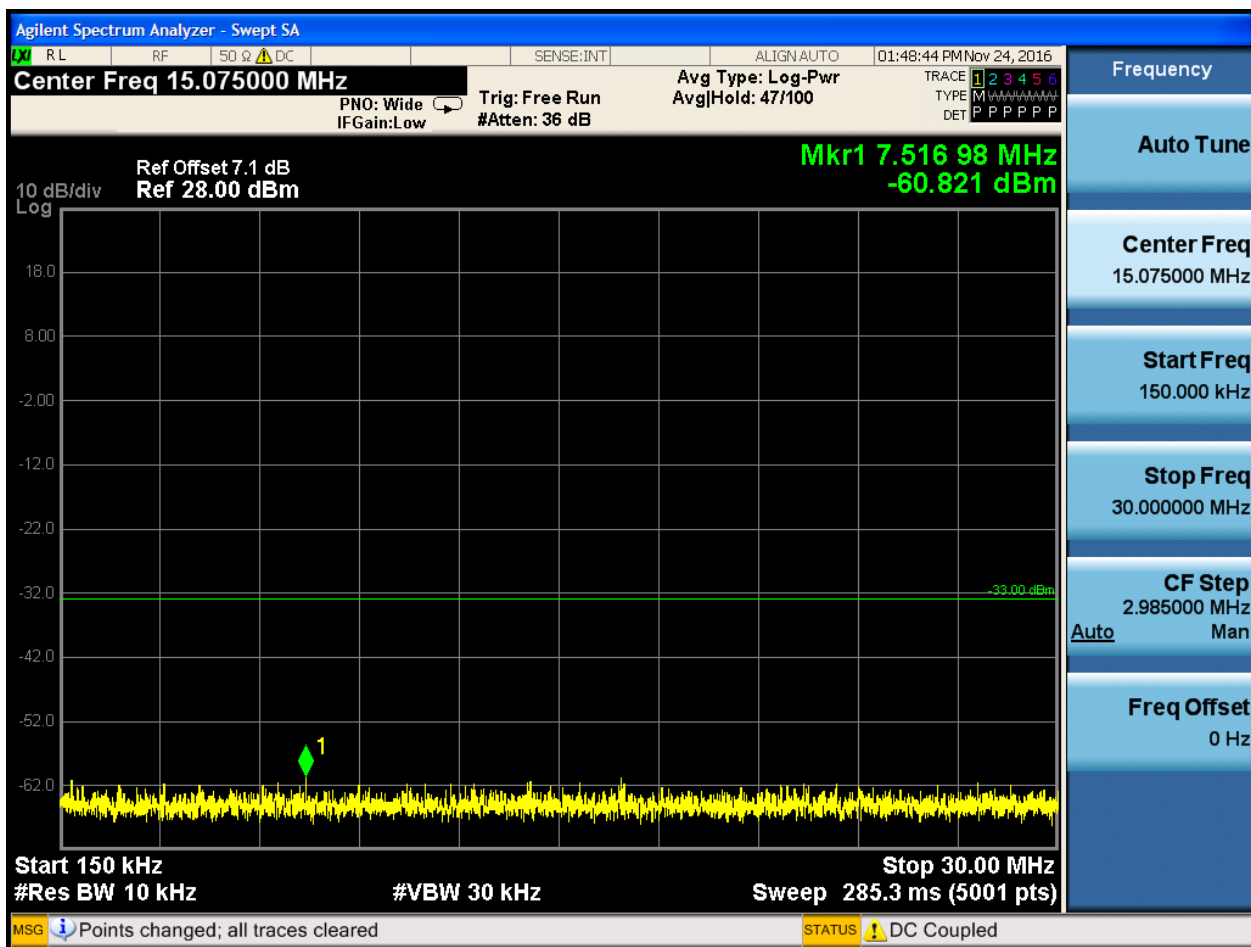
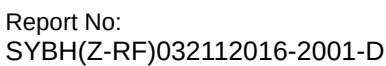
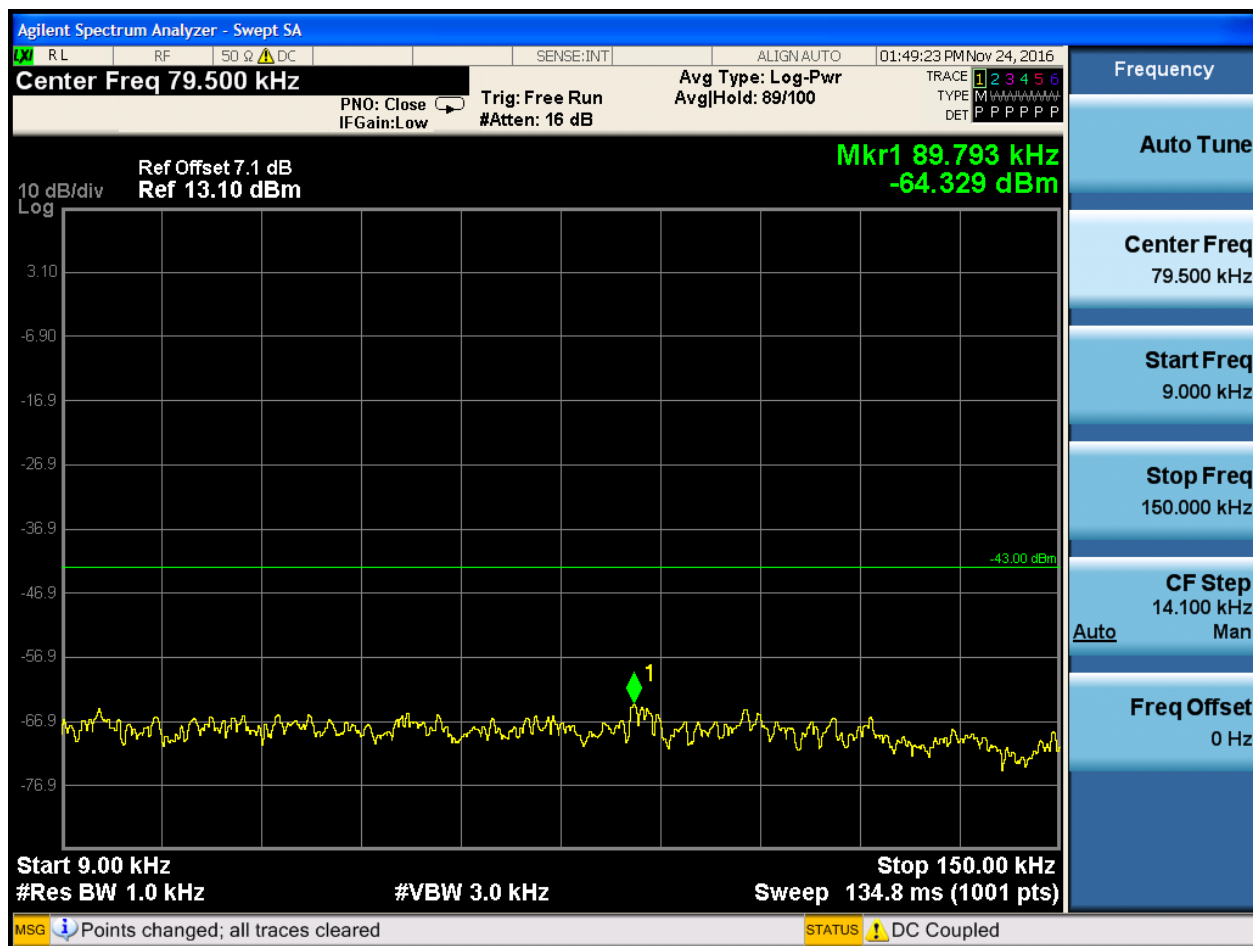


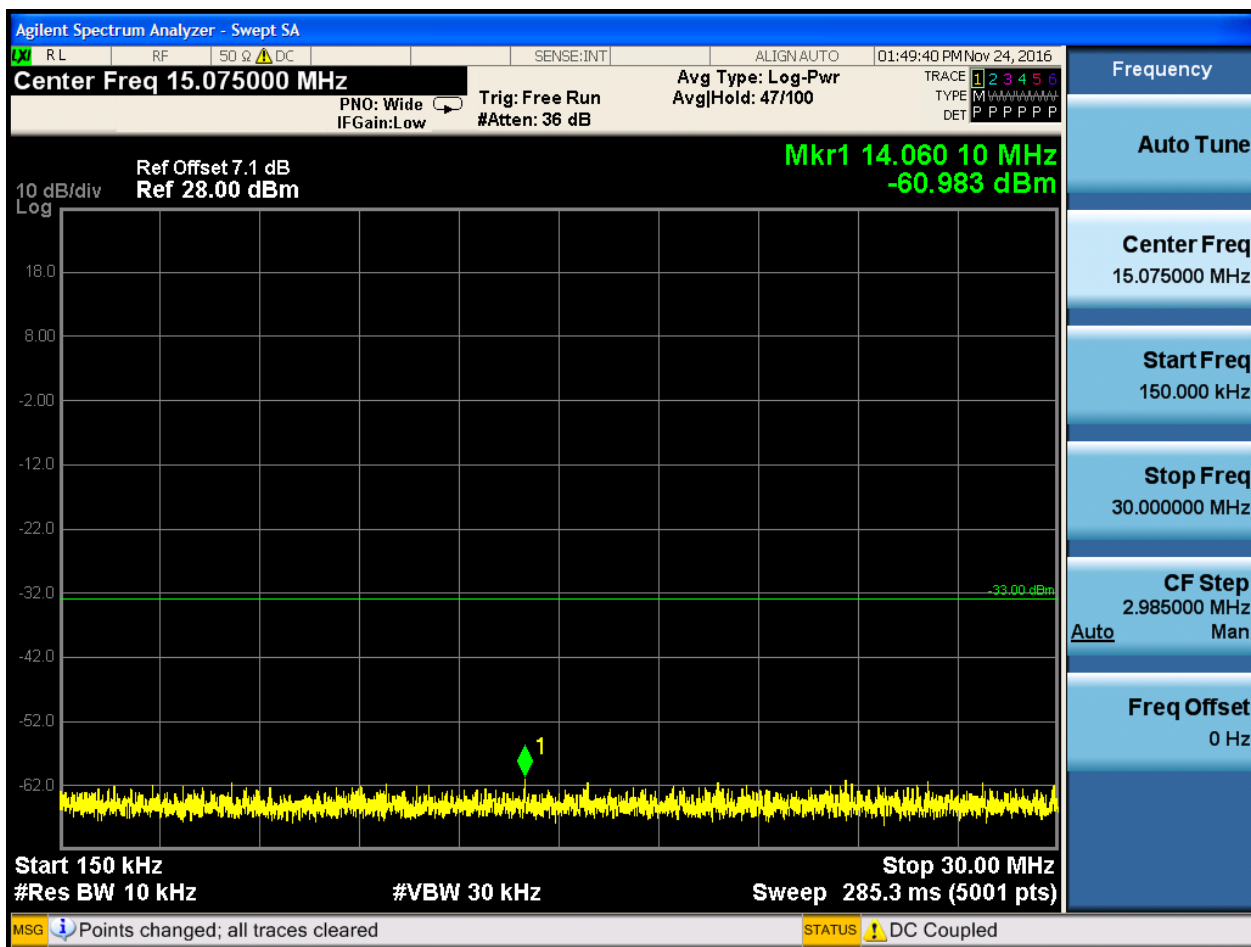


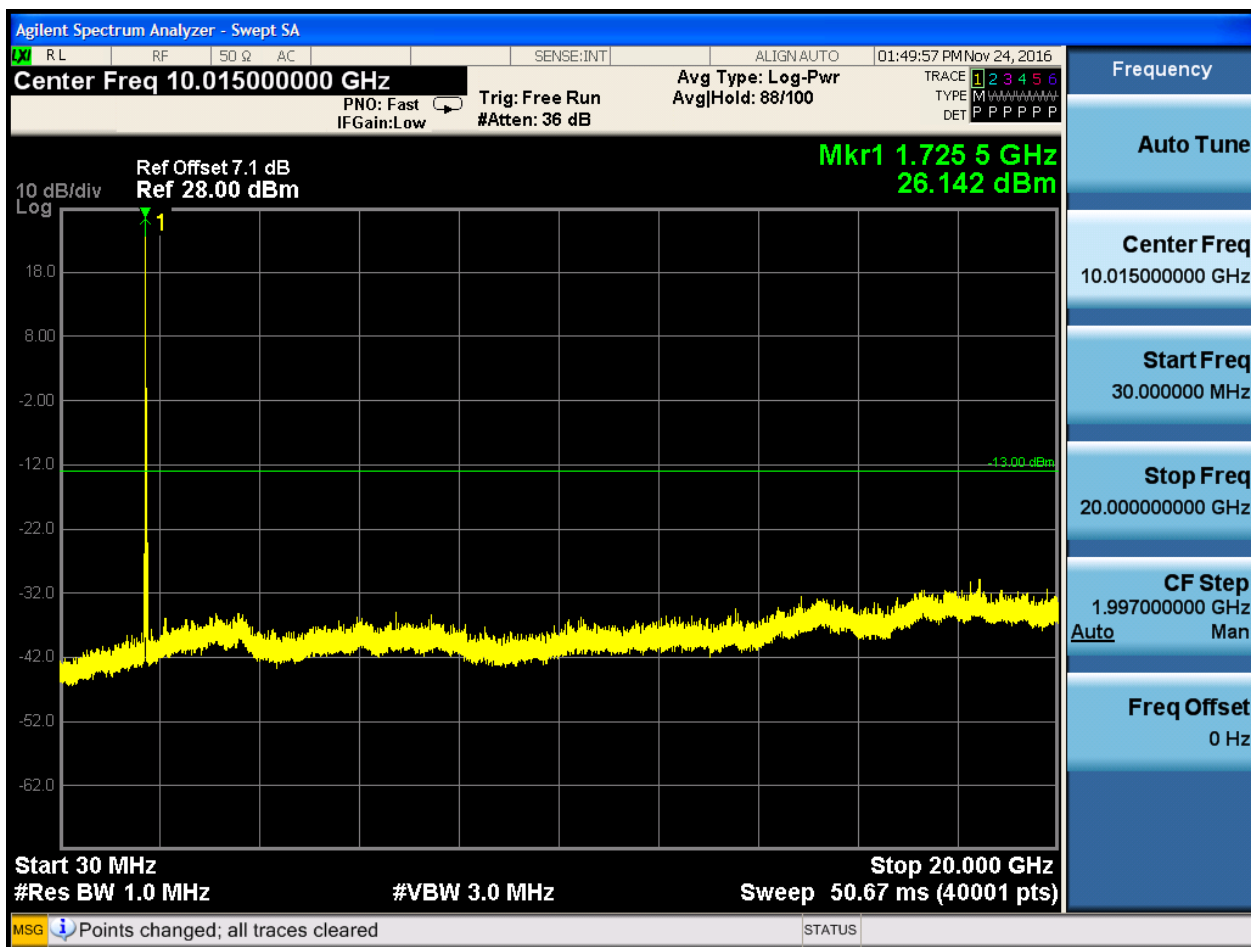


6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0

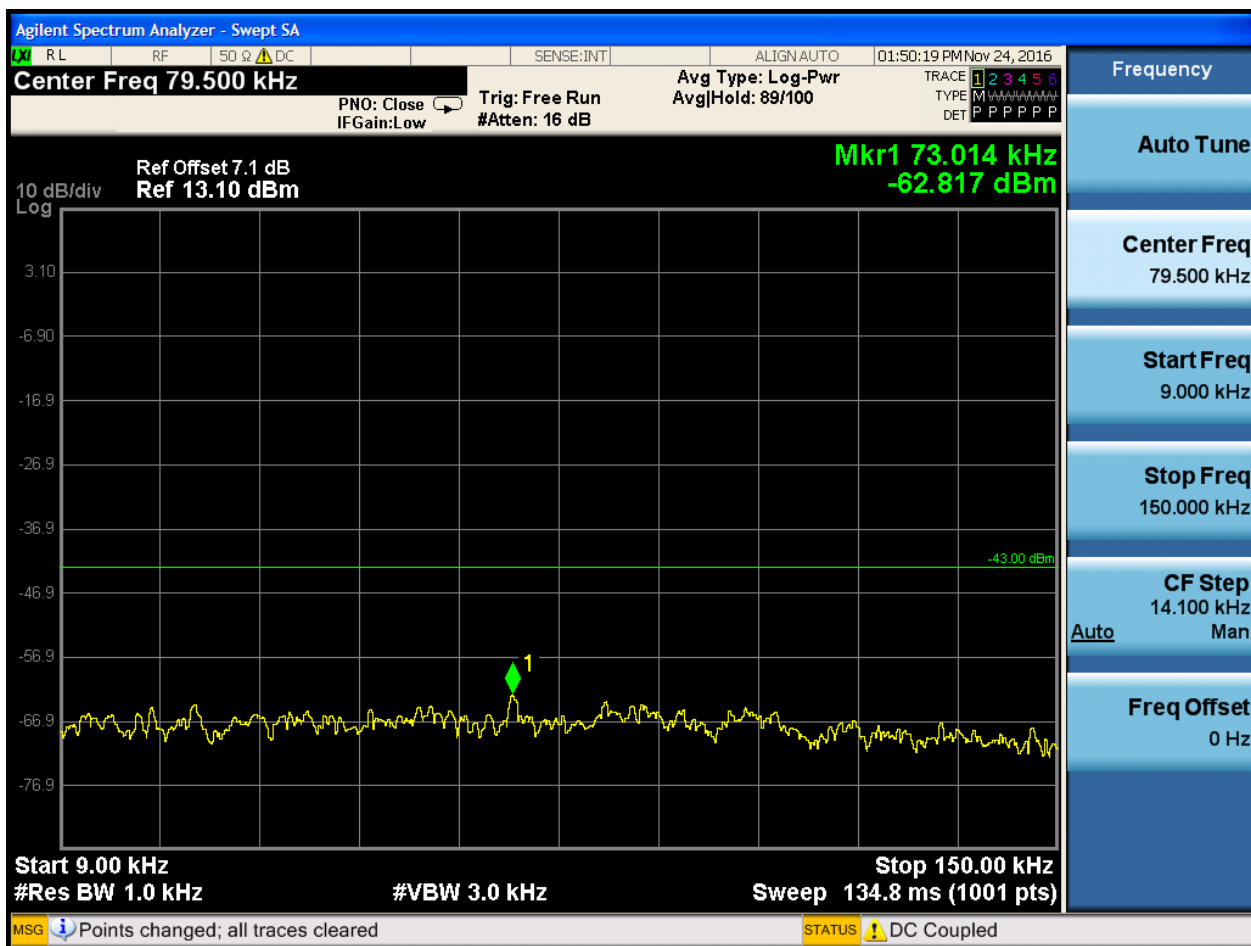


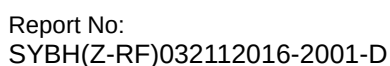


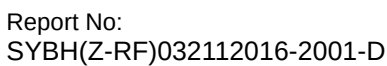


6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0



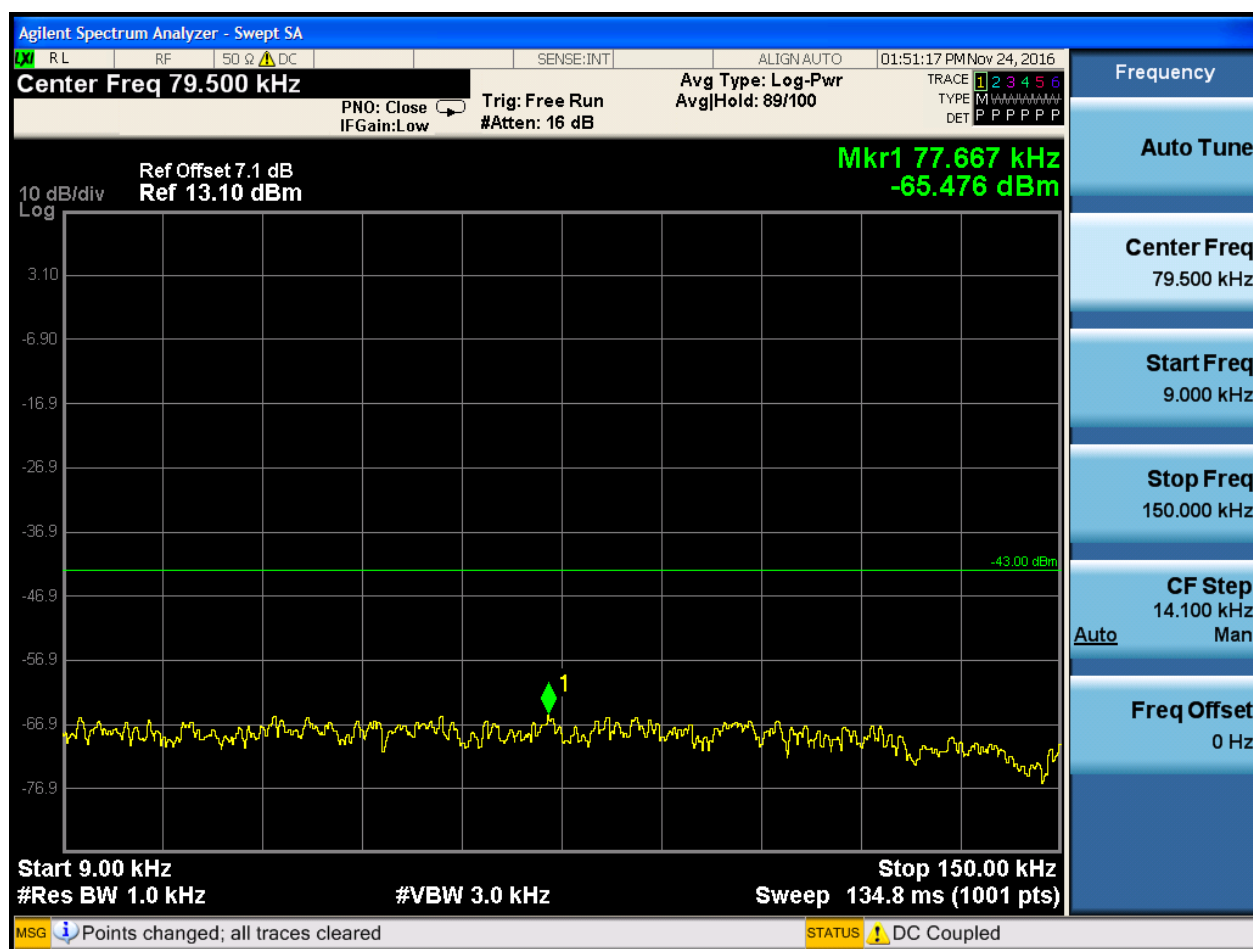


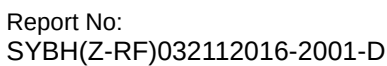


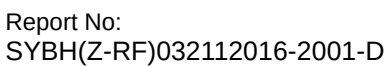
6.1.1.2.6 Test Bandwidth = 20

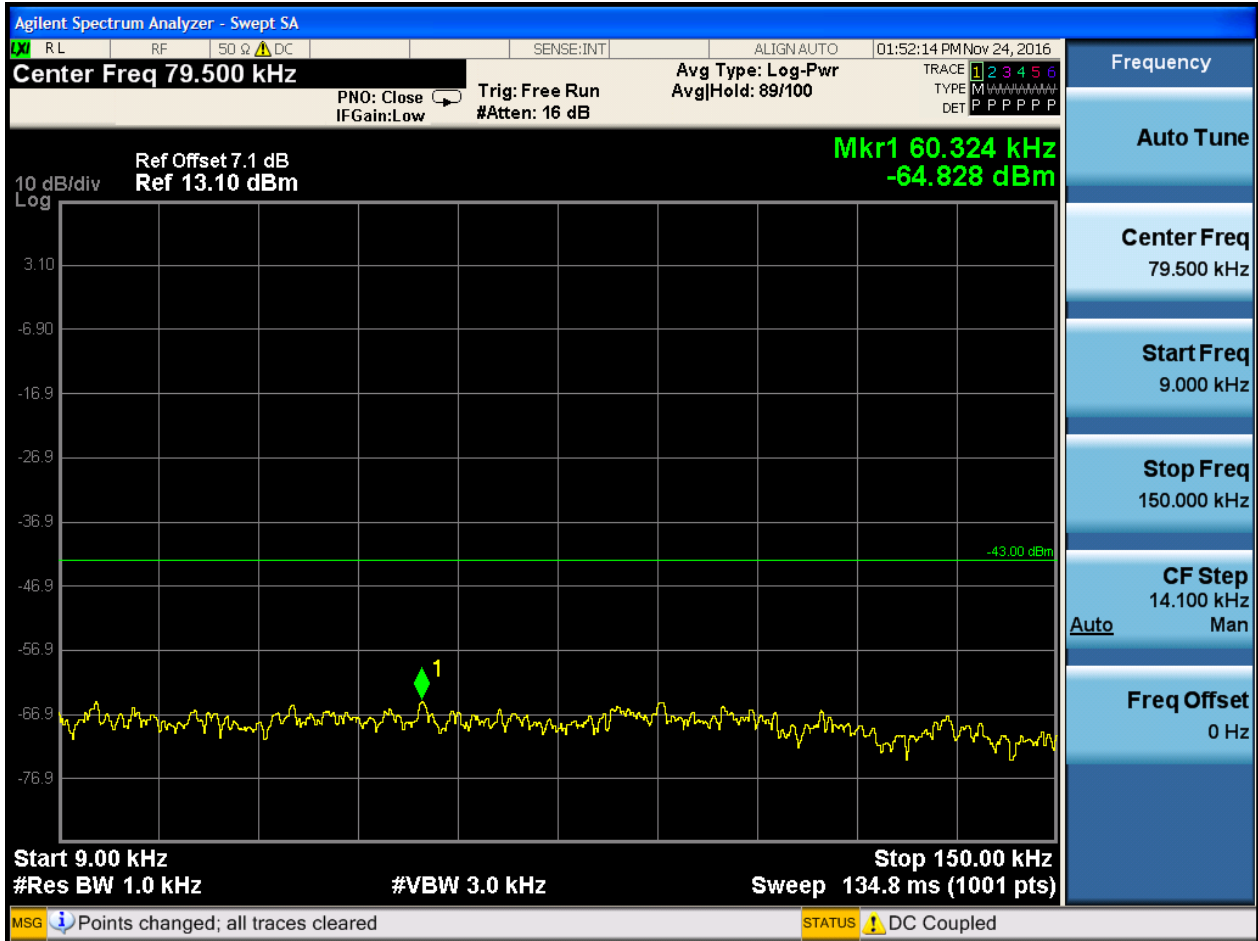
6.1.1.2.6.1 Test Channel = LCH

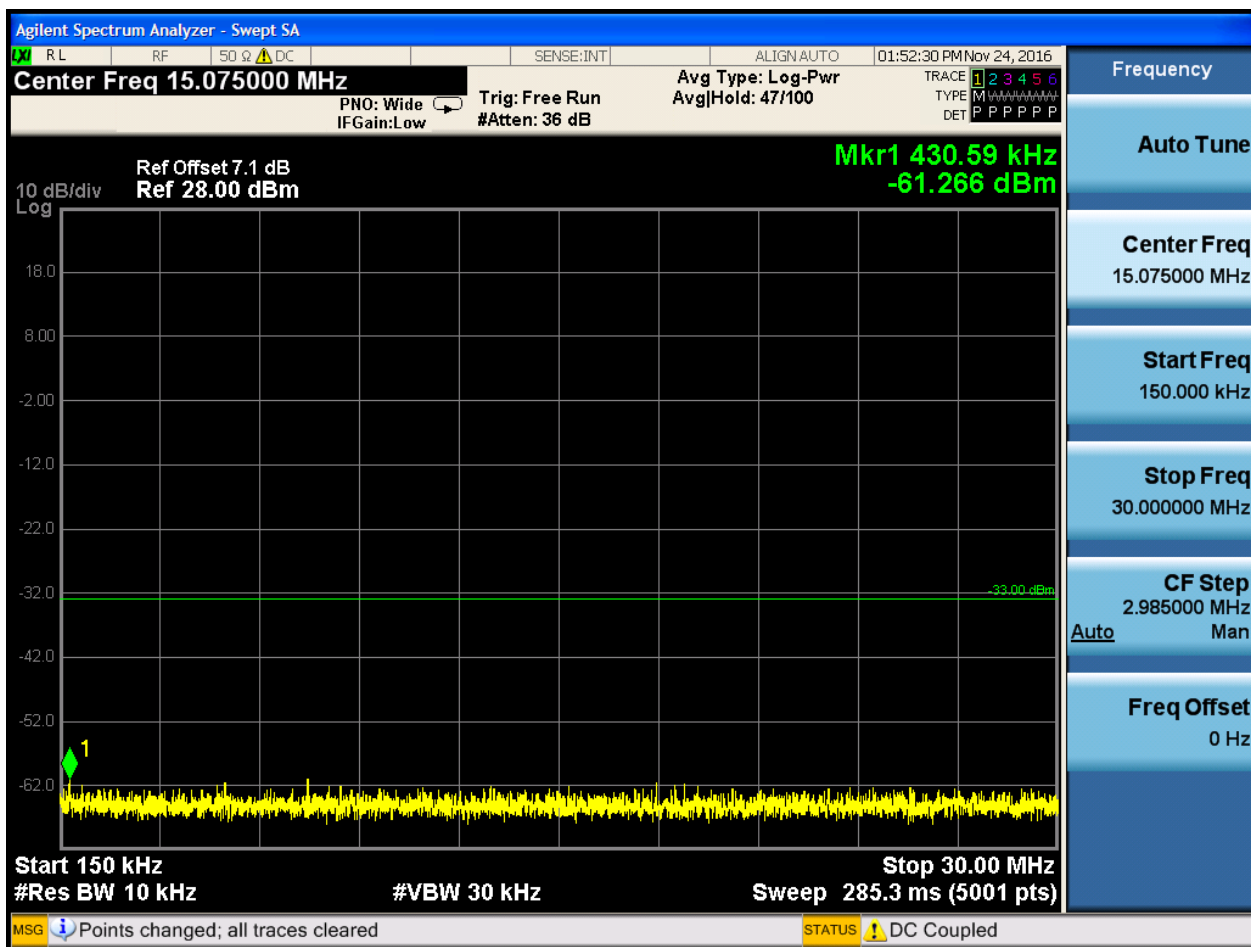
6.1.1.2.6.1.1 Test RB = RB1#0

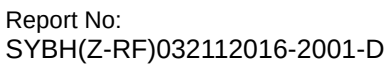








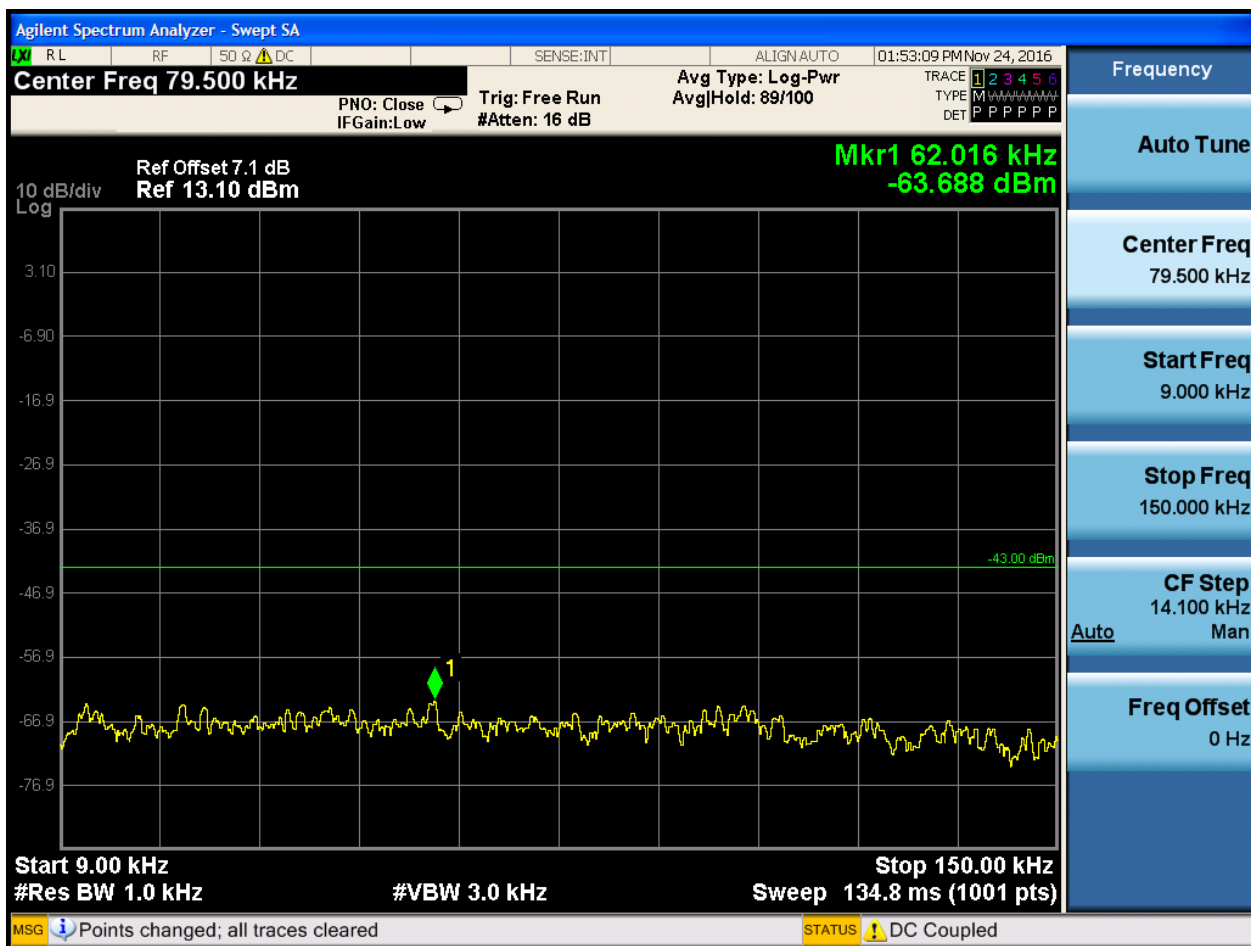


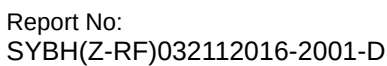


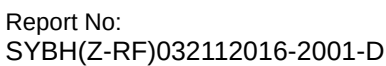


6.1.1.2.6.3 Test Channel = HCH

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, VBW = 200Hz, VBW = 600 Hz, Detector: PK

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

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

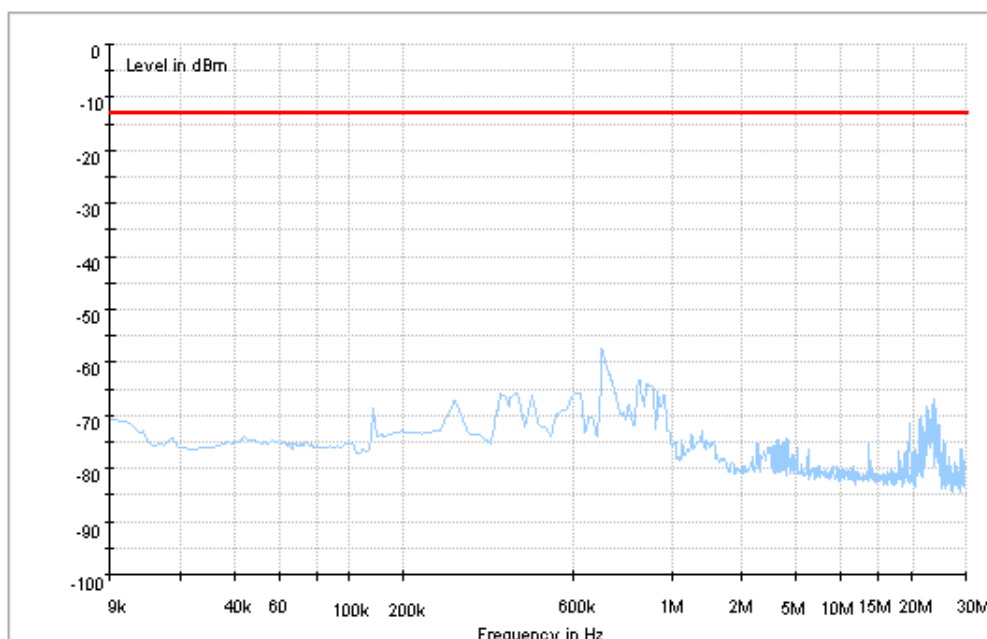
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

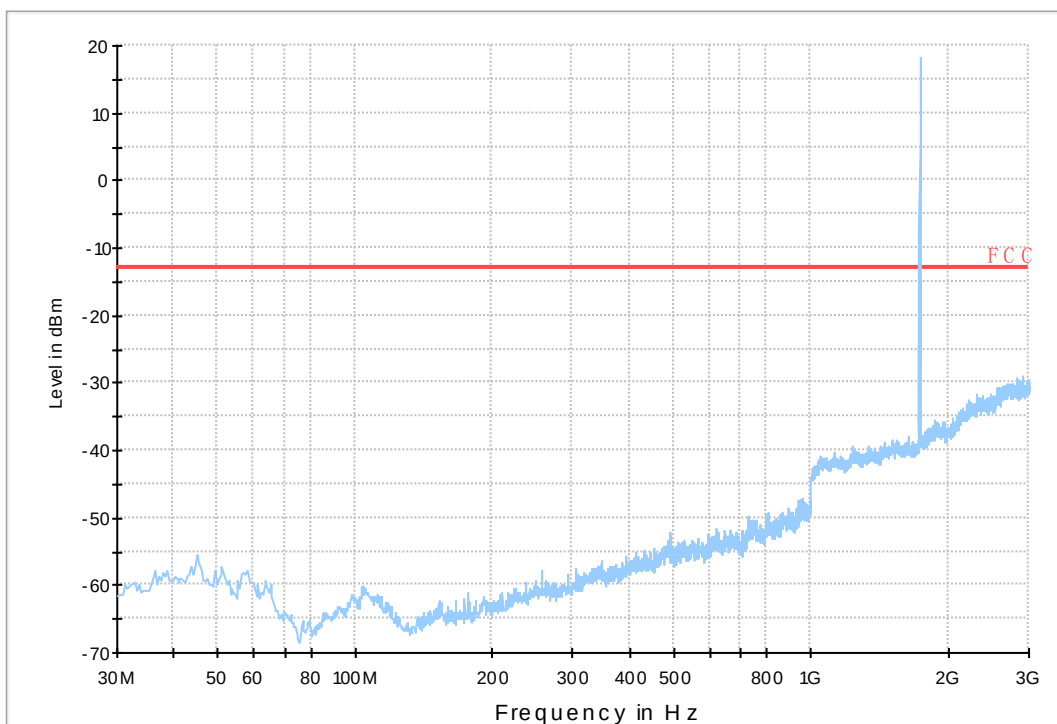
7.1 For LTE

7.1.1 Test Band = BAND4_Ant1

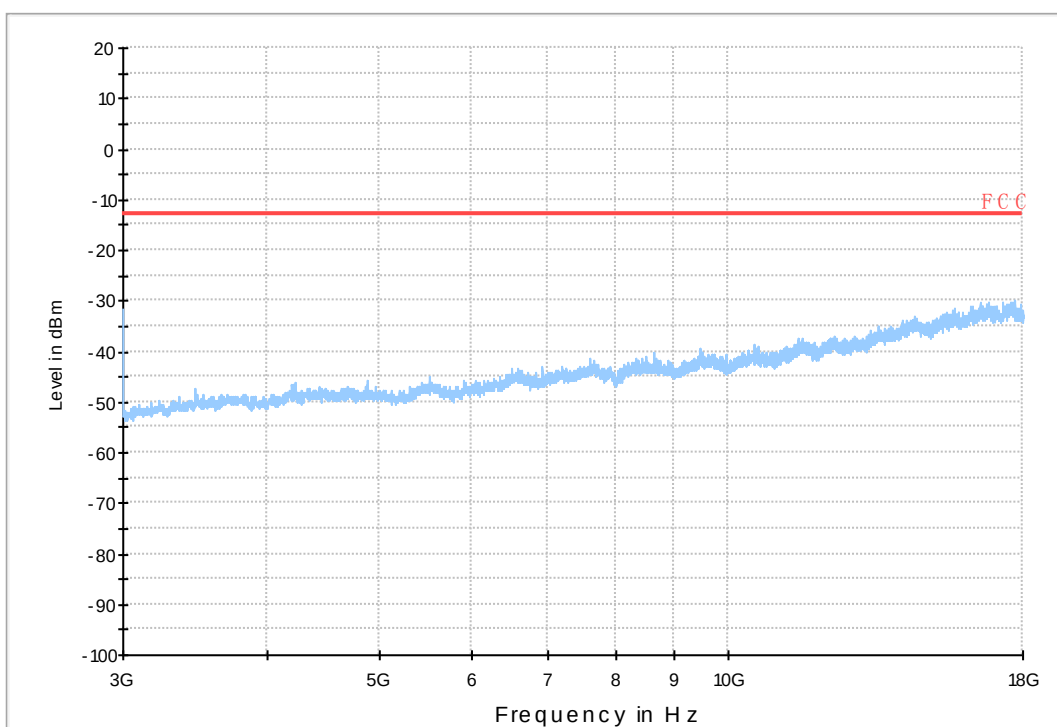
7.1.1.1 Test Bandwidth = 1.4



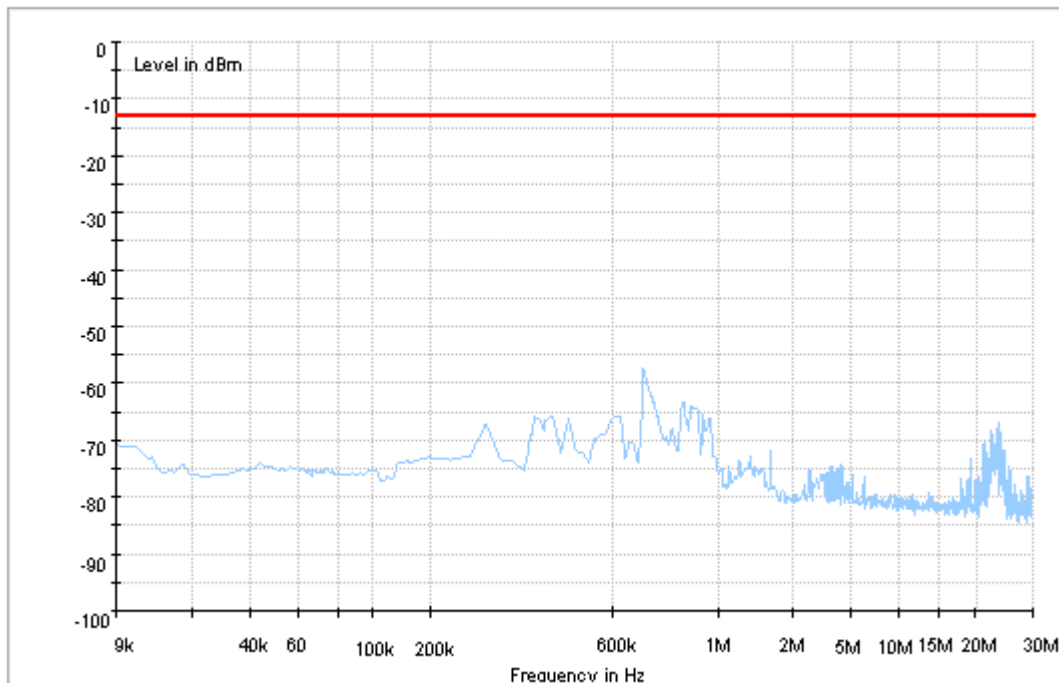
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



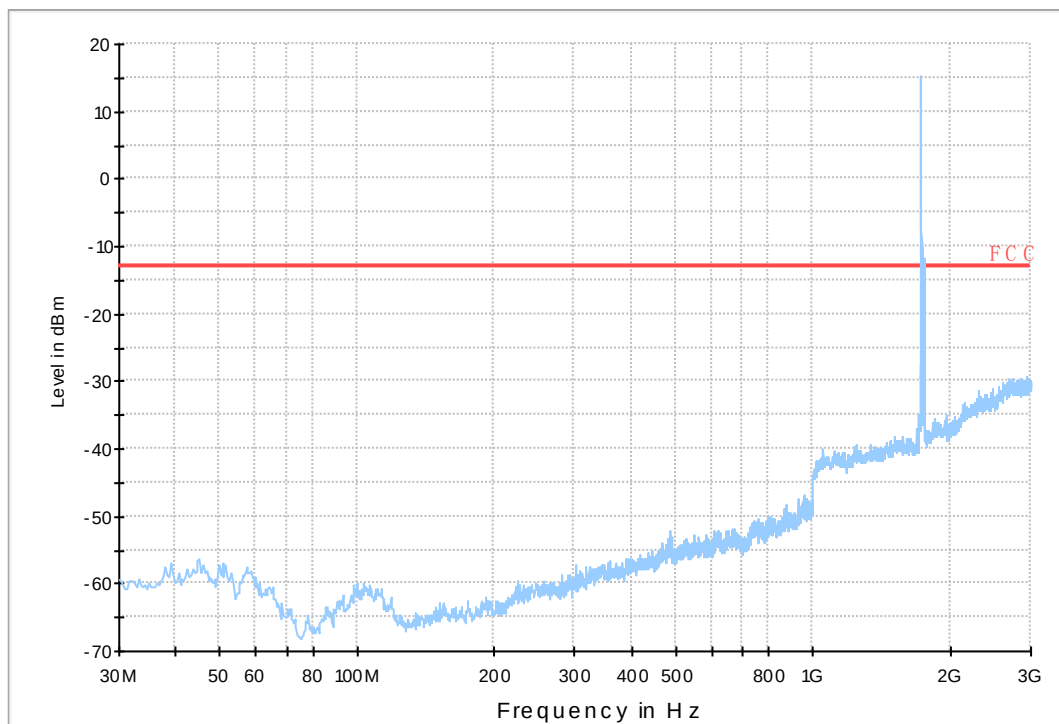
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



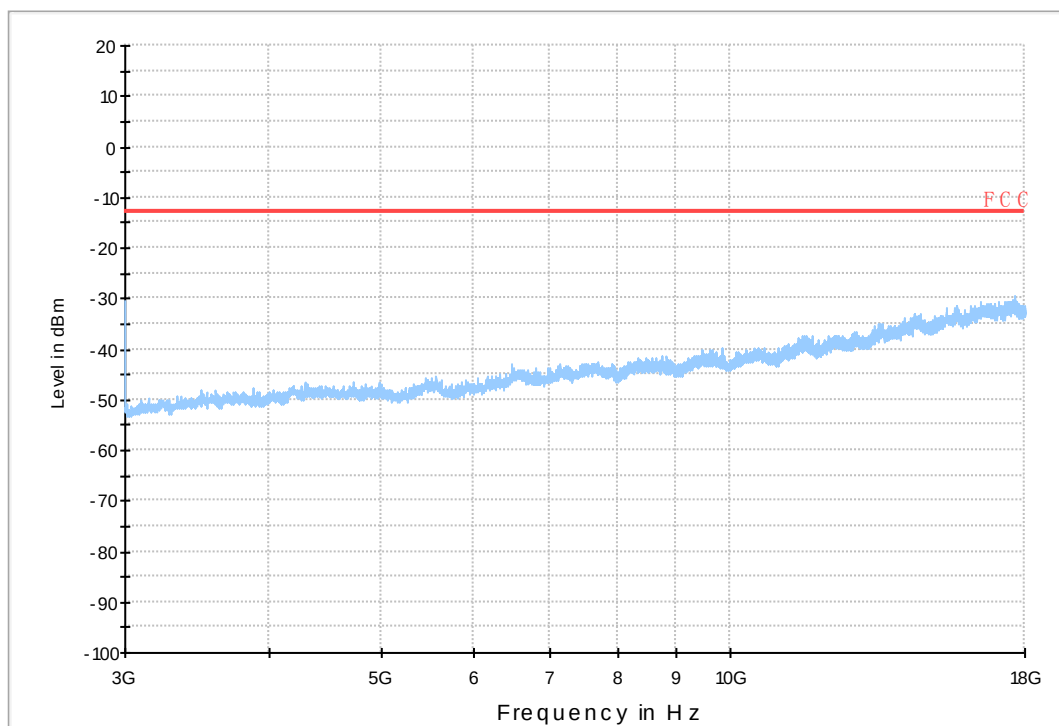
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

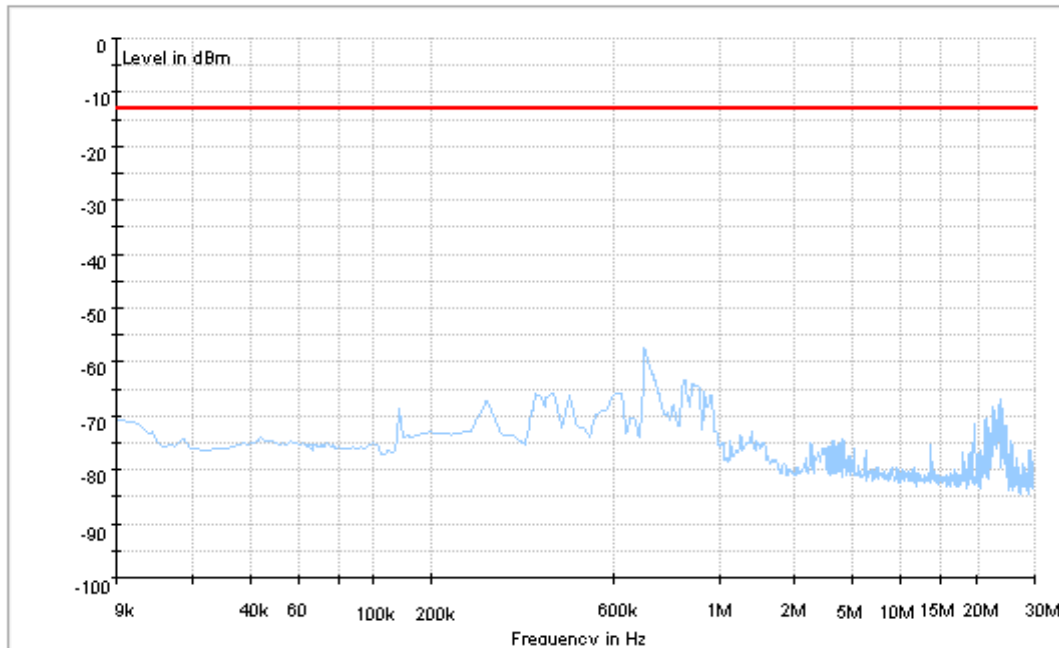


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

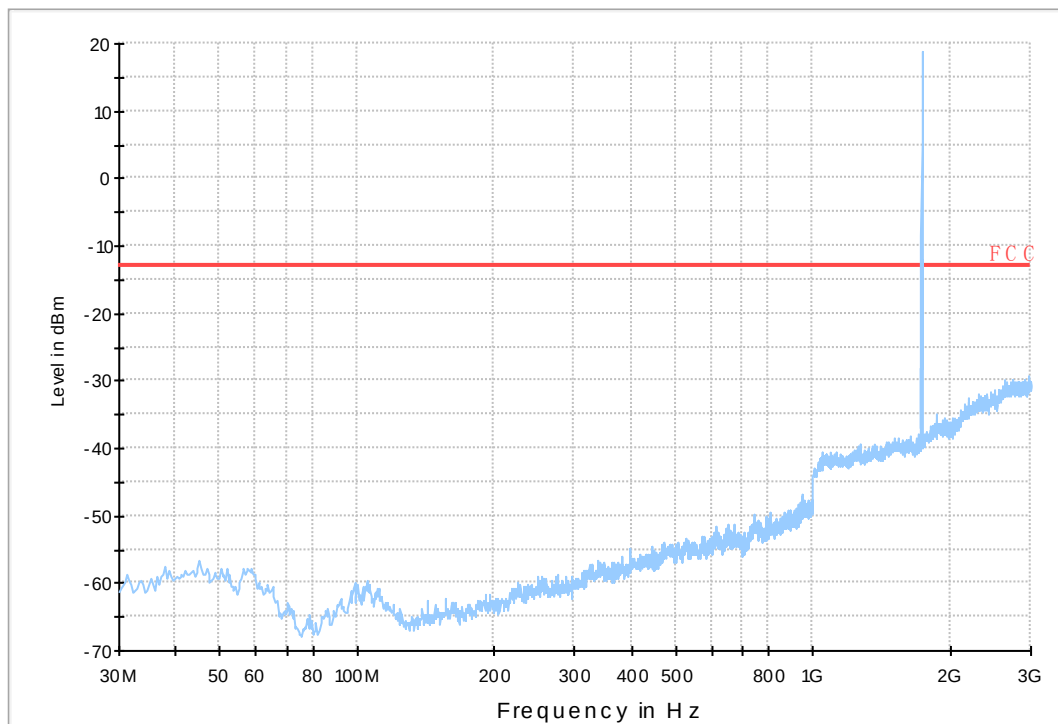


7.1.4 Test Band = BAND4_Ant2

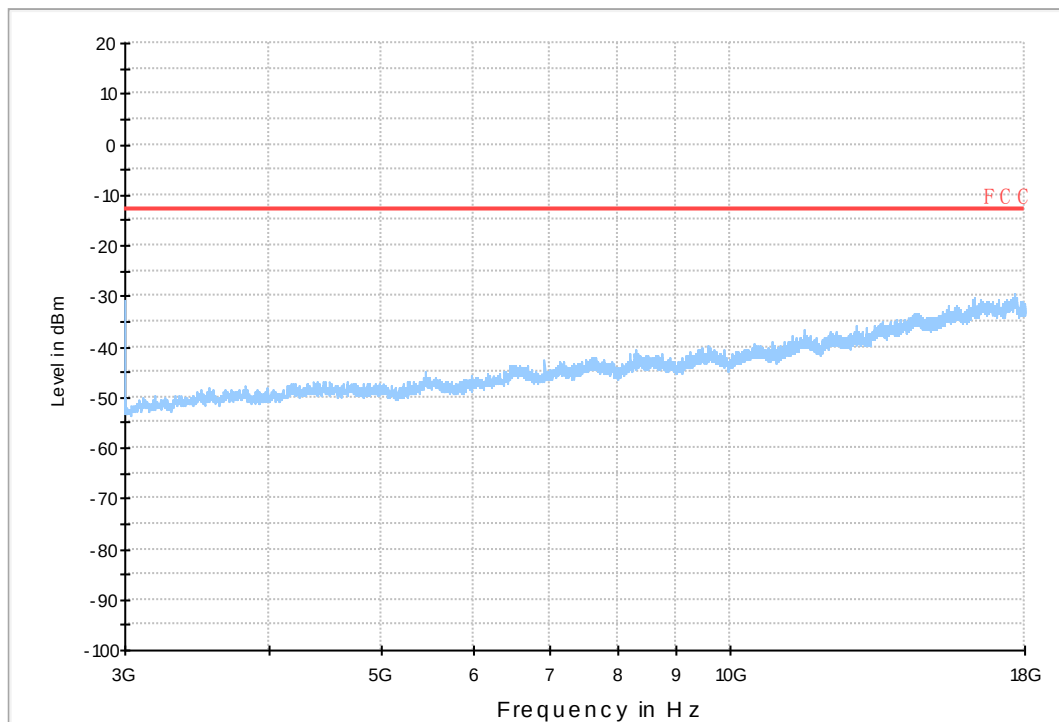
7.1.4.1 Test Bandwidth = 1.4



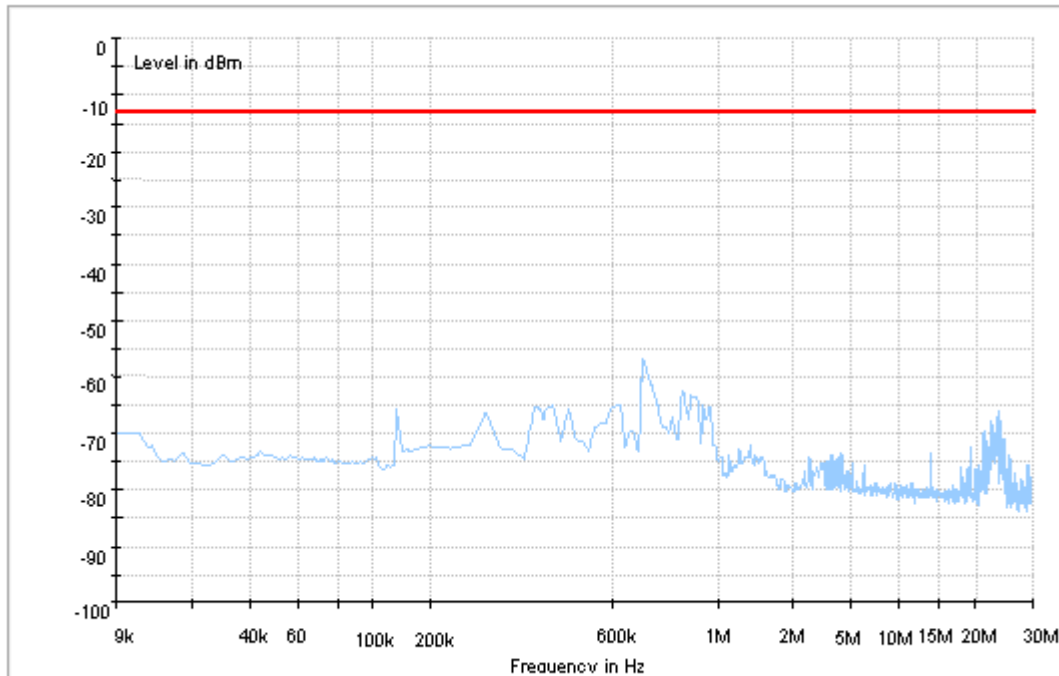
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



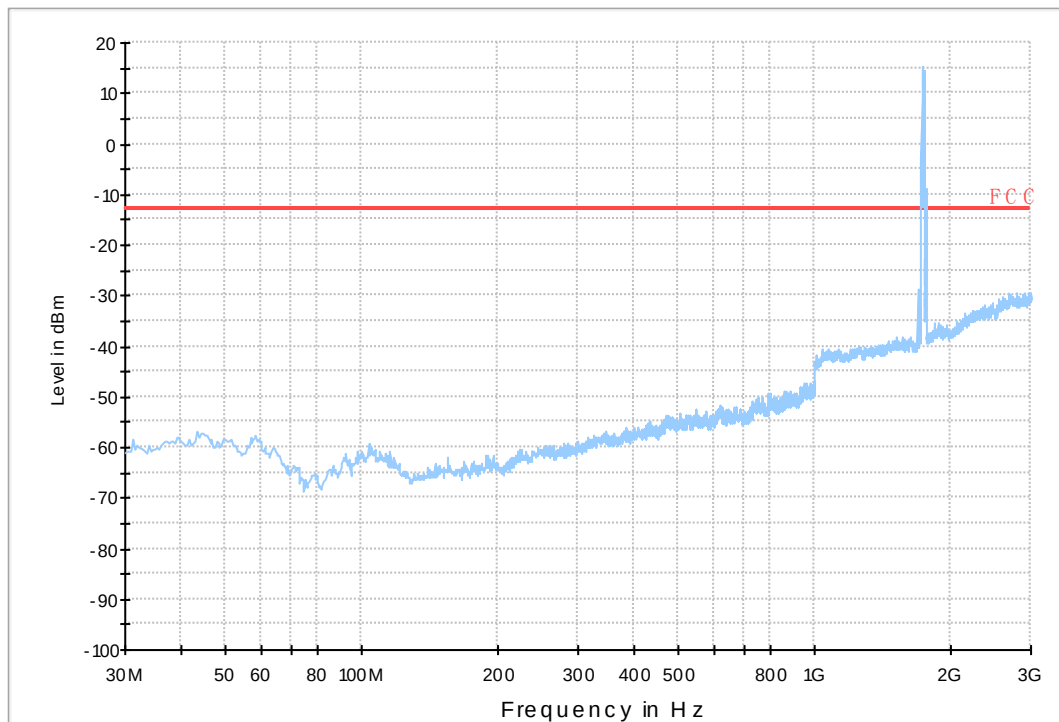
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



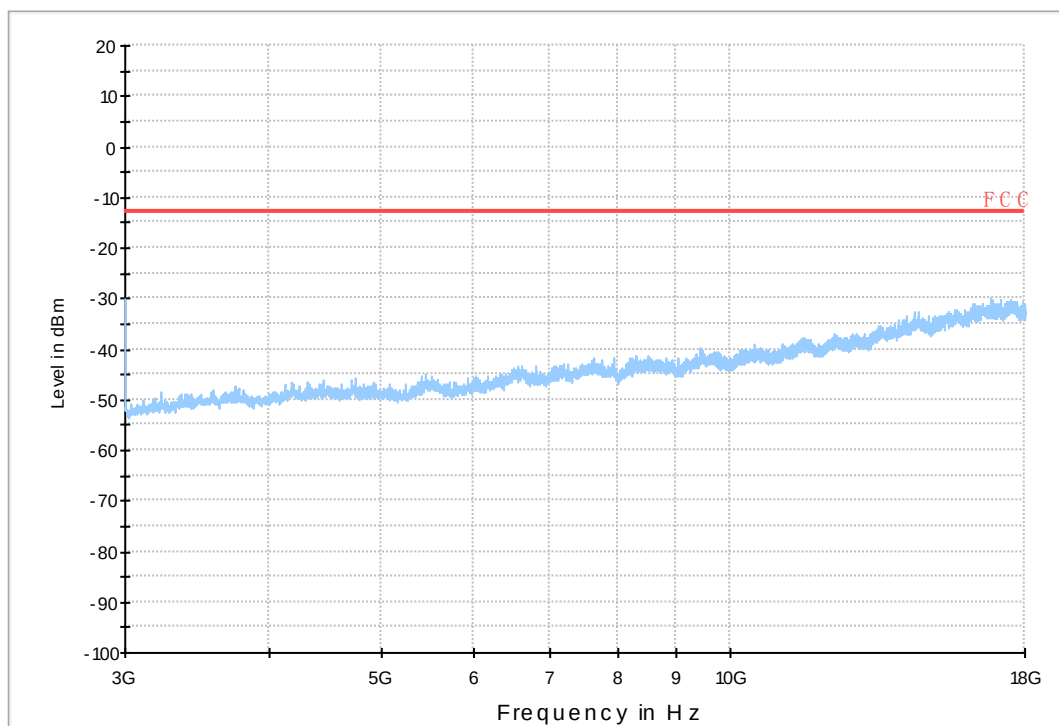
7.1.4.2 Test Bandwidth = 20



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 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
BAND4	LTE/TM1	1.4	LCH	TN	VL	-3.55	-0.00208	PASS
					VN	-6.31	-0.00369	PASS
					VH	-7.90	-0.00462	PASS
			MCH	TN	VL	3.15	0.00182	PASS
					VN	-5.42	-0.00313	PASS
					VH	-10.76	-0.00621	PASS
			HCH	TN	VL	6.97	0.00397	PASS
					VN	-7.31	-0.00417	PASS
					VH	2.19	0.00125	PASS
		3	LCH	TN	VL	0.27	0.00016	PASS
					VN	-3.20	-0.00187	PASS
					VH	-8.75	-0.00511	PASS
			MCH	TN	VL	-2.12	-0.00122	PASS
					VN	-2.56	-0.00148	PASS
					VH	-2.09	-0.00121	PASS
			HCH	TN	VL	0.60	0.00034	PASS
					VN	-0.23	-0.00013	PASS
					VH	-0.89	-0.00051	PASS
		5	LCH	TN	VL	-1.27	-0.00074	PASS
					VN	-0.70	-0.00041	PASS
					VH	-1.92	-0.00112	PASS
			MCH	TN	VL	-2.52	-0.00145	PASS
					VN	-3.16	-0.00182	PASS
					VH	0.13	0.00008	PASS
			HCH	TN	VL	-3.23	-0.00184	PASS
					VN	-3.72	-0.00212	PASS
					VH	-2.79	-0.00159	PASS
		10	LCH	TN	VL	-4.33	-0.00252	PASS
					VN	-0.04	-0.00002	PASS
					VH	-1.37	-0.0008	PASS
			MCH	TN	VL	-1.99	-0.00115	PASS
					VN	0.80	0.00046	PASS
					VH	-1.39	-0.0008	PASS
			HCH	TN	VL	-1.90	-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				VN	-2.32	-0.00133	PASS
					VH	2.26	0.00129	PASS
		1.4	LCH	TN	VL	6.19	0.00362	PASS
					VN	5.54	0.00324	PASS
					VH	2.53	0.00148	PASS
					VL	0.73	0.00042	PASS
			MCH	TN	VN	-2.78	-0.0016	PASS
					VH	-6.97	-0.00402	PASS
					VL	-2.40	-0.00137	PASS
					VN	1.70	0.00097	PASS
					VH	-5.26	-0.003	PASS
			HCH	TN	VL	-2.40	-0.00137	PASS
					VN	1.70	0.00097	PASS
					VH	-5.26	-0.003	PASS
		3	LCH	TN	VL	5.92	0.00346	PASS
					VN	2.12	0.00124	PASS
					VH	0.83	0.00048	PASS
					VL	-1.89	-0.00109	PASS
			MCH	TN	VN	0.46	0.00027	PASS
					VH	-2.36	-0.00136	PASS
					VL	2.06	0.00117	PASS
					VN	3.22	0.00184	PASS
			HCH	TN	VH	-1.16	-0.00066	PASS
					VL	6.85	0.004	PASS
					VN	1.19	0.00069	PASS
					VH	-3.40	-0.00199	PASS
		5	LCH	TN	VL	-2.65	-0.00153	PASS
					VN	0.67	0.00039	PASS
					VH	-0.49	-0.00028	PASS
			MCH	TN	VL	2.47	0.00141	PASS
					VN	-1.40	-0.0008	PASS
					VH	-0.83	-0.00047	PASS
			HCH	TN	VL	-1.59	-0.00093	PASS
					VN	2.60	0.00152	PASS
					VH	-2.35	-0.00137	PASS
					VL	-3.32	-0.00192	PASS
		10	LCH	TN	VN	1.53	0.00088	PASS
					VH	0.43	0.00025	PASS
					VL	-0.86	-0.00049	PASS
			MCH	TN	VN	0.44	0.00025	PASS
					VH	1.56	0.00089	PASS
					VL	-0.86	-0.00049	PASS
					VN	0.44	0.00025	PASS
			HCH	TN	VH	1.56	0.00089	PASS
					VL	-0.86	-0.00049	PASS
					VN	0.44	0.00025	PASS
					VH	1.56	0.00089	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
BAND4	LTE/TM1	1.4	LCH	VN	-30	2.17	0.00127	PASS
					-20	-9.18	-0.00537	PASS
					-10	-5.47	-0.00320	PASS
					0	-6.62	-0.00387	PASS
					10	-4.69	-0.00274	PASS
					20	-15.26	-0.00892	PASS
					30	-5.89	-0.00344	PASS
					40	-13.45	-0.00786	PASS
					50	8.61	0.00503	PASS
			MCH	VN	-30	-9.87	-0.00570	PASS
					-20	4.63	0.00267	PASS
					-10	-13.57	-0.00783	PASS
					0	-4.63	-0.00267	PASS
					10	4.64	0.00268	PASS
					20	-17.85	-0.01031	PASS
					30	-0.19	-0.00011	PASS
					40	16.78	0.00969	PASS
					50	16.76	0.00967	PASS
			HCH	VN	-30	8.91	0.00508	PASS
					-20	-3.62	-0.00206	PASS
					-10	-11.39	-0.00649	PASS
					0	0.60	0.00034	PASS
					10	-10.52	-0.00600	PASS
					20	7.29	0.00416	PASS
					30	12.99	0.00741	PASS
					40	-3.87	-0.00221	PASS
					50	-11.66	-0.00664	PASS
		3	LCH	VN	-30	14.02	0.00819	PASS
					-20	-17.63	-0.01030	PASS
					-10	1.42	0.00083	PASS
					0	-19.06	-0.01114	PASS
					10	2.86	0.00167	PASS
					20	9.80	0.00573	PASS
					30	-2.26	-0.00132	PASS
					40	15.98	0.00934	PASS
					50	-4.37	-0.00255	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	17.49	0.01010	PASS
					-20	-9.21	-0.00532	PASS
					-10	-16.19	-0.00934	PASS
					0	-16.66	-0.00962	PASS
					10	-1.70	-0.00098	PASS
					20	11.09	0.00640	PASS
					30	-17.29	-0.00998	PASS
					40	1.64	0.00094	PASS
					50	19.51	0.01126	PASS
			HCH	VN	-30	2.21	0.00126	PASS
					-20	-4.52	-0.00258	PASS
					-10	-9.40	-0.00536	PASS
					0	-12.69	-0.00724	PASS
					10	-18.19	-0.01037	PASS
					20	6.09	0.00347	PASS
					30	6.02	0.00343	PASS
					40	17.61	0.01004	PASS
					50	9.76	0.00557	PASS
		5	LCH	VN	-30	8.93	0.00521	PASS
					-20	0.95	0.00056	PASS
					-10	-9.90	-0.00578	PASS
					0	7.69	0.00449	PASS
					10	17.88	0.01044	PASS
					20	-11.13	-0.00650	PASS
					30	0.57	0.00033	PASS
					40	19.88	0.01161	PASS
					50	-18.63	-0.01088	PASS
			MCH	VN	-30	2.14	0.00124	PASS
					-20	16.00	0.00923	PASS
					-10	-11.13	-0.00643	PASS
					0	10.93	0.00631	PASS
					10	13.55	0.00782	PASS
					20	19.28	0.01113	PASS
					30	-6.63	-0.00383	PASS
					40	-4.97	-0.00287	PASS
					50	2.64	0.00152	PASS
			HCH	VN	-30	-11.13	-0.00635	PASS
					-20	12.41	0.00708	PASS
					-10	7.08	0.00404	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	14.36	0.00819	PASS
					10	-8.15	-0.00465	PASS
					20	-8.82	-0.00503	PASS
					30	8.04	0.00459	PASS
					40	7.19	0.00410	PASS
					50	-17.16	-0.00979	PASS
		10	LCH	VN	-30	3.28	0.00191	PASS
					-20	2.77	0.00162	PASS
					-10	17.04	0.00994	PASS
					0	-10.69	-0.00623	PASS
					10	9.26	0.00540	PASS
					20	17.40	0.01015	PASS
					30	-1.28	-0.00074	PASS
					40	2.52	0.00147	PASS
					50	12.04	0.00702	PASS
			MCH	VN	-30	10.93	0.00631	PASS
					-20	1.82	0.00105	PASS
					-10	6.65	0.00384	PASS
					0	-10.34	-0.00597	PASS
					10	8.83	0.00510	PASS
					20	-7.80	-0.00450	PASS
					30	19.03	0.01098	PASS
					40	19.19	0.01108	PASS
					50	2.99	0.00173	PASS
			HCH	VN	-30	13.57	0.00775	PASS
					-20	9.18	0.00525	PASS
					-10	-4.92	-0.00281	PASS
					0	-18.29	-0.01045	PASS
					10	-8.38	-0.00479	PASS
					20	-10.66	-0.00609	PASS
					30	19.54	0.01116	PASS
					40	-7.12	-0.00407	PASS
					50	18.78	0.01073	PASS
		15	LCH	VN	-30	16.37	0.00953	PASS
					-20	7.44	0.00433	PASS
					-10	13.34	0.00777	PASS
					0	14.77	0.00860	PASS
					10	-9.54	-0.00556	PASS
					20	-19.81	-0.01153	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-10.53	-0.00613	PASS
					40	-8.61	-0.00501	PASS
					50	-13.22	-0.00769	PASS
			MCH	VN	-30	8.48	0.00489	PASS
					-20	3.44	0.00198	PASS
					-10	4.01	0.00232	PASS
					0	6.90	0.00398	PASS
					10	-13.50	-0.00779	PASS
					20	15.28	0.00882	PASS
					30	11.31	0.00653	PASS
					40	-3.78	-0.00218	PASS
					50	-18.98	-0.01096	PASS
			HCH	VN	-30	-9.79	-0.00560	PASS
					-20	9.47	0.00542	PASS
					-10	-3.96	-0.00227	PASS
					0	-16.39	-0.00938	PASS
					10	-15.10	-0.00864	PASS
					20	-15.68	-0.00897	PASS
					30	16.09	0.00921	PASS
					40	13.89	0.00795	PASS
					50	6.31	0.00361	PASS
		20	LCH	VN	-30	-3.89	-0.00226	PASS
					-20	2.30	0.00134	PASS
					-10	-3.58	-0.00208	PASS
					0	-7.94	-0.00461	PASS
					10	-18.18	-0.01057	PASS
					20	-15.78	-0.00918	PASS
					30	14.92	0.00867	PASS
					40	18.31	0.01065	PASS
					50	7.00	0.00407	PASS
			MCH	VN	-30	-16.90	-0.00976	PASS
					-20	4.72	0.00273	PASS
					-10	-12.21	-0.00705	PASS
					0	7.57	0.00437	PASS
					10	-14.30	-0.00825	PASS
					20	1.64	0.00095	PASS
					30	-17.07	-0.00985	PASS
					40	13.66	0.00789	PASS
					50	13.78	0.00795	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	-30	-12.09	-0.00693	PASS
					-20	8.73	0.00500	PASS
					-10	6.70	0.00384	PASS
					0	-10.65	-0.00610	PASS
					10	-10.14	-0.00581	PASS
					20	16.49	0.00945	PASS
					30	-8.63	-0.00494	PASS
					40	-11.55	-0.00662	PASS
					50	7.36	0.00422	PASS
	LTE/TM2	1.4	LCH	VN	-30	19.59	0.01145	PASS
					-20	15.81	0.00924	PASS
					-10	-11.43	-0.00668	PASS
					0	-1.59	-0.00093	PASS
					10	-19.41	-0.01135	PASS
					20	-17.63	-0.01031	PASS
					30	-8.14	-0.00476	PASS
					40	4.24	0.00248	PASS
					50	-0.02	-0.00001	PASS
			MCH	VN	-30	19.15	0.01105	PASS
					-20	14.31	0.00826	PASS
					-10	18.77	0.01083	PASS
					0	1.74	0.00100	PASS
					10	18.42	0.01063	PASS
					20	11.01	0.00636	PASS
					30	-5.43	-0.00313	PASS
					40	-8.83	-0.00510	PASS
					50	13.15	0.00759	PASS
			HCH	VN	-30	-17.14	-0.00977	PASS
					-20	15.49	0.00883	PASS
					-10	1.66	0.00094	PASS
					0	8.78	0.00500	PASS
					10	10.92	0.00622	PASS
					20	-14.77	-0.00842	PASS
					30	17.87	0.01019	PASS
					40	12.90	0.00735	PASS
					50	5.82	0.00332	PASS
		3	LCH	VN	-30	12.10	0.00707	PASS
					-20	17.84	0.01043	PASS
					-10	-10.05	-0.00587	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	7.33	0.00428	PASS
					10	3.92	0.00229	PASS
					20	16.23	0.00948	PASS
					30	-4.89	-0.00286	PASS
					40	-4.21	-0.00246	PASS
					50	-9.84	-0.00575	PASS
			MCH	VN	-30	-9.48	-0.00547	PASS
					-20	12.44	0.00718	PASS
					-10	15.62	0.00902	PASS
					0	16.61	0.00959	PASS
					10	9.81	0.00566	PASS
					20	11.71	0.00676	PASS
					30	6.34	0.00366	PASS
					40	-6.35	-0.00367	PASS
					50	-6.27	-0.00362	PASS
			HCH	VN	-30	11.59	0.00661	PASS
					-20	-10.60	-0.00604	PASS
					-10	-1.28	-0.00073	PASS
					0	-13.37	-0.00763	PASS
					10	11.30	0.00644	PASS
					20	19.09	0.01088	PASS
					30	-7.88	-0.00449	PASS
					40	19.70	0.01123	PASS
					50	-10.36	-0.00591	PASS
		5	LCH	VN	-30	-16.82	-0.00982	PASS
					-20	11.72	0.00685	PASS
					-10	15.87	0.00927	PASS
					0	17.51	0.01023	PASS
					10	-12.11	-0.00707	PASS
					20	5.34	0.00312	PASS
					30	-14.74	-0.00861	PASS
					40	7.27	0.00425	PASS
					50	10.14	0.00592	PASS
			MCH	VN	-30	-1.04	-0.00060	PASS
					-20	-8.92	-0.00515	PASS
					-10	-11.11	-0.00641	PASS
					0	-18.16	-0.01048	PASS
					10	16.42	0.00948	PASS
					20	11.86	0.00684	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	5.17	0.00298	PASS
					40	12.95	0.00747	PASS
					50	14.61	0.00843	PASS
			HCH	VN	-30	-17.25	-0.00984	PASS
					-20	-4.04	-0.00230	PASS
					-10	-17.90	-0.01021	PASS
					0	6.29	0.00359	PASS
					10	5.04	0.00287	PASS
					20	-7.99	-0.00456	PASS
					30	-11.22	-0.00640	PASS
					40	6.35	0.00362	PASS
					50	-9.64	-0.00550	PASS
			LCH	VN	-30	-17.84	-0.01040	PASS
					-20	-16.79	-0.00979	PASS
					-10	-10.65	-0.00621	PASS
					0	-14.72	-0.00858	PASS
					10	-19.60	-0.01143	PASS
					20	16.06	0.00937	PASS
					30	-6.37	-0.00371	PASS
					40	-11.71	-0.00683	PASS
					50	11.52	0.00672	PASS
		10	MCH	VN	-30	0.61	0.00035	PASS
					-20	-4.39	-0.00253	PASS
					-10	-8.45	-0.00488	PASS
					0	10.39	0.00600	PASS
					10	13.49	0.00778	PASS
					20	13.91	0.00803	PASS
					30	16.80	0.00970	PASS
					40	-18.50	-0.01068	PASS
					50	-4.73	-0.00273	PASS
			HCH	VN	-30	-4.99	-0.00285	PASS
					-20	-12.54	-0.00716	PASS
					-10	0.73	0.00042	PASS
					0	-17.76	-0.01015	PASS
					10	18.28	0.01045	PASS
					20	-18.89	-0.01079	PASS
					30	-4.62	-0.00264	PASS
					40	-16.50	-0.00943	PASS
					50	-8.12	-0.00464	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15	LCH	VN	-30	-16.04	-0.00934	PASS
					-20	-4.80	-0.00279	PASS
					-10	-4.10	-0.00239	PASS
					0	-14.37	-0.00837	PASS
					10	19.22	0.01119	PASS
					20	-9.79	-0.00570	PASS
					30	18.57	0.01081	PASS
					40	-5.02	-0.00292	PASS
					50	-14.03	-0.00817	PASS
			MCH	VN	-30	-17.45	-0.01007	PASS
					-20	18.72	0.01080	PASS
					-10	-14.16	-0.00817	PASS
					0	9.63	0.00556	PASS
					10	7.66	0.00442	PASS
					20	3.43	0.00198	PASS
					30	6.89	0.00398	PASS
					40	5.34	0.00308	PASS
					50	-9.60	-0.00554	PASS
			HCH	VN	-30	-4.02	-0.00230	PASS
					-20	-2.57	-0.00147	PASS
					-10	8.33	0.00477	PASS
					0	-8.27	-0.00473	PASS
					10	-11.75	-0.00672	PASS
					20	-8.17	-0.00468	PASS
					30	10.36	0.00593	PASS
					40	8.52	0.00487	PASS
					50	7.52	0.00430	PASS
		20	LCH	VN	-30	-0.75	-0.00044	PASS
					-20	-14.55	-0.00846	PASS
					-10	-14.52	-0.00844	PASS
					0	1.12	0.00065	PASS
					10	-8.33	-0.00484	PASS
					20	-11.63	-0.00676	PASS
					30	-5.92	-0.00344	PASS
					40	-8.87	-0.00516	PASS
					50	6.27	0.00365	PASS
			MCH	VN	-30	2.57	0.00148	PASS
					-20	-7.25	-0.00418	PASS
					-10	-5.11	-0.00295	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-10.95	-0.00632	PASS
					10	16.66	0.00961	PASS
					20	-16.02	-0.00925	PASS
					30	0.66	0.00038	PASS
					40	13.05	0.00753	PASS
					50	0.86	0.00050	PASS
			HCH	VN	-30	16.37	0.00938	PASS
					-20	0.52	0.00030	PASS
					-10	-1.53	-0.00088	PASS
					0	11.06	0.00634	PASS
					10	17.45	0.01000	PASS
					20	5.23	0.00300	PASS
					30	-16.44	-0.00942	PASS
					40	-11.92	-0.00683	PASS
					50	14.60	0.00837	PASS

END