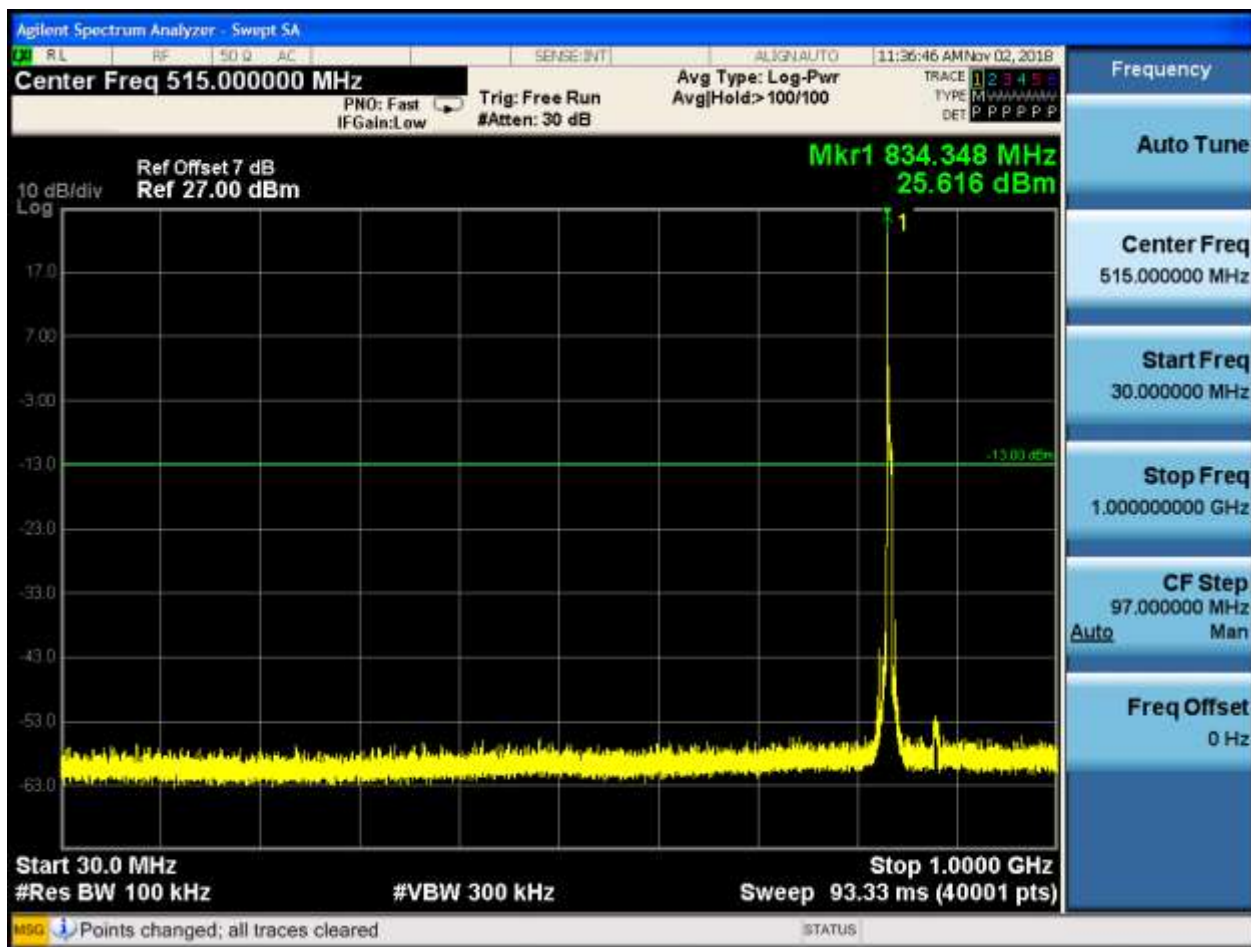
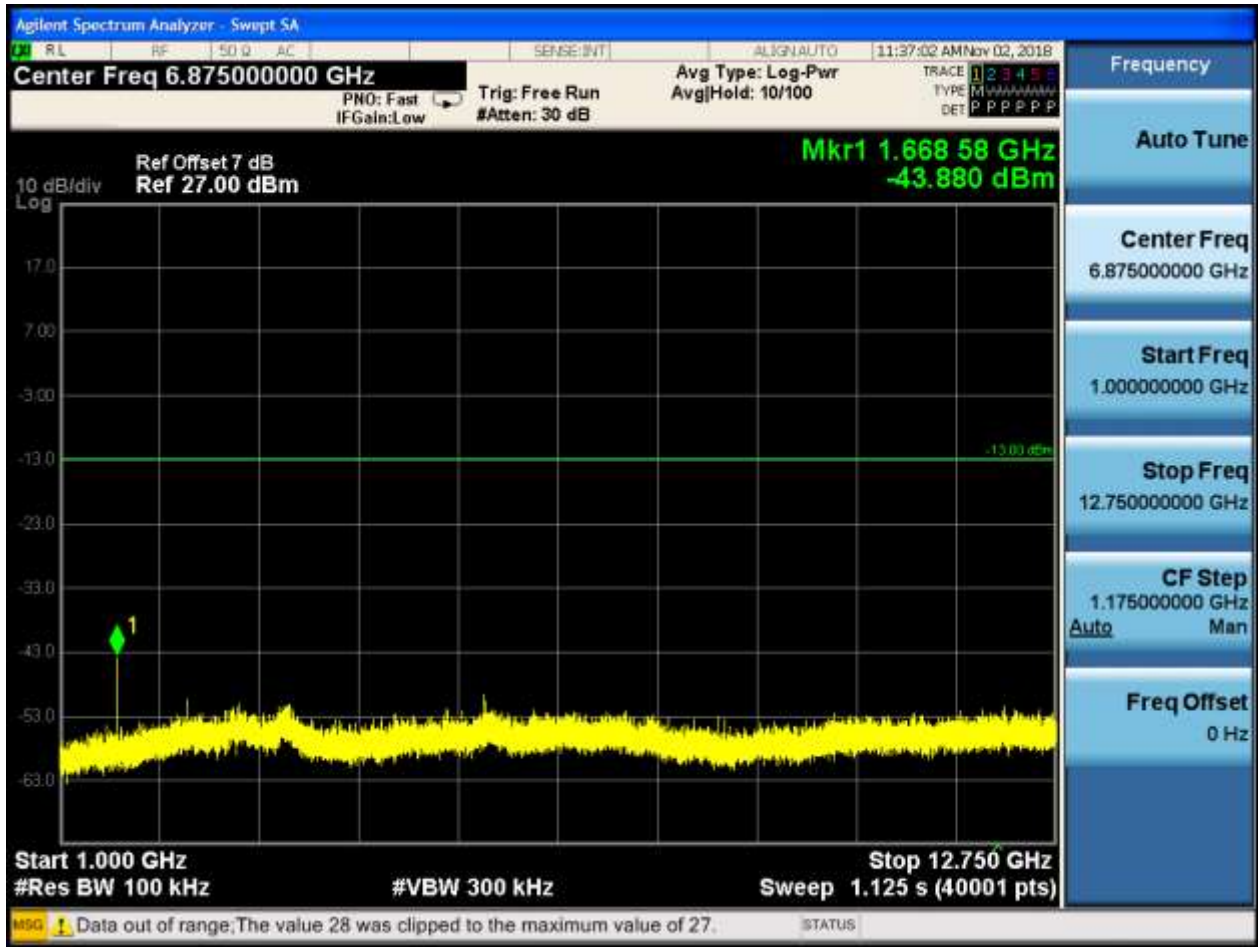




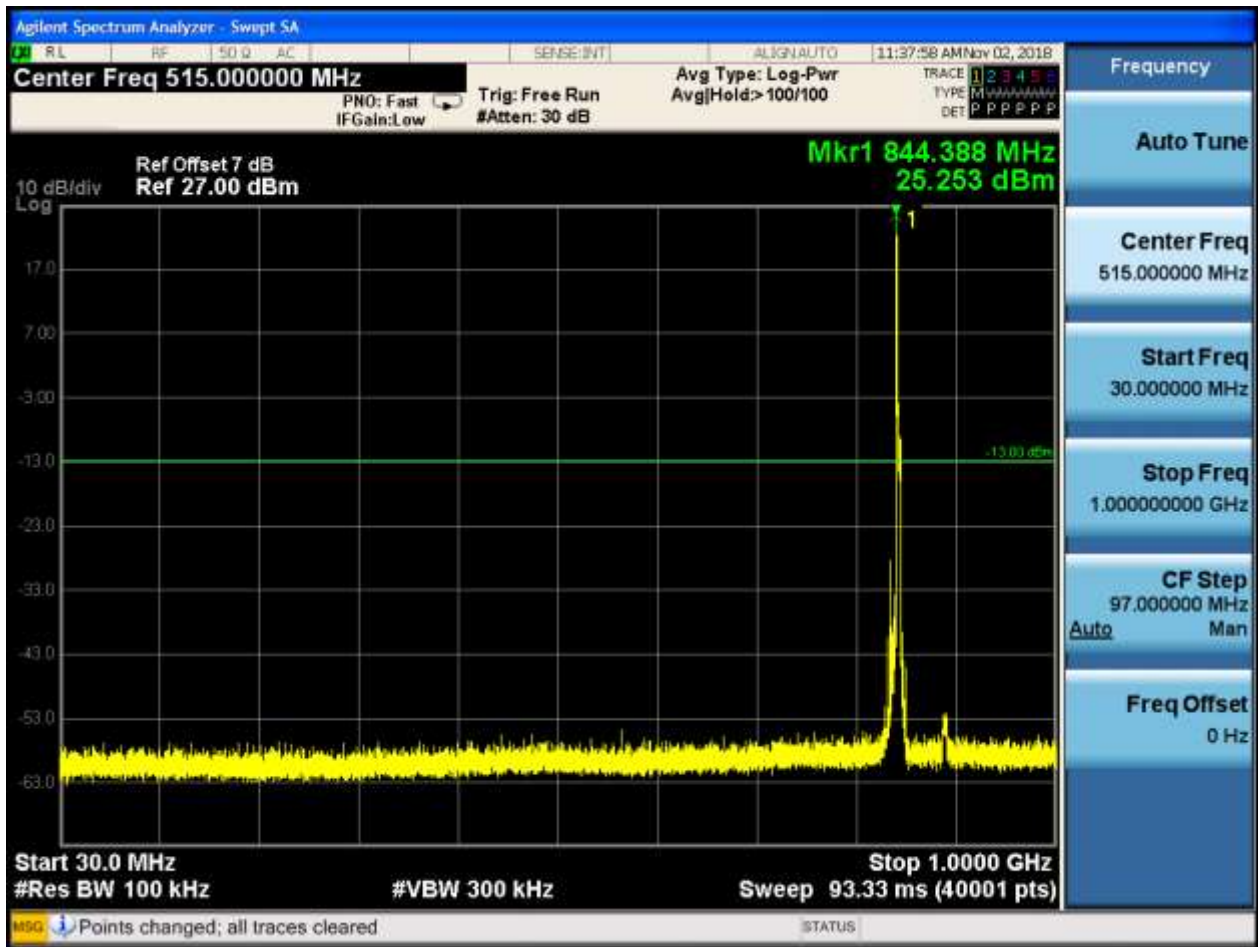


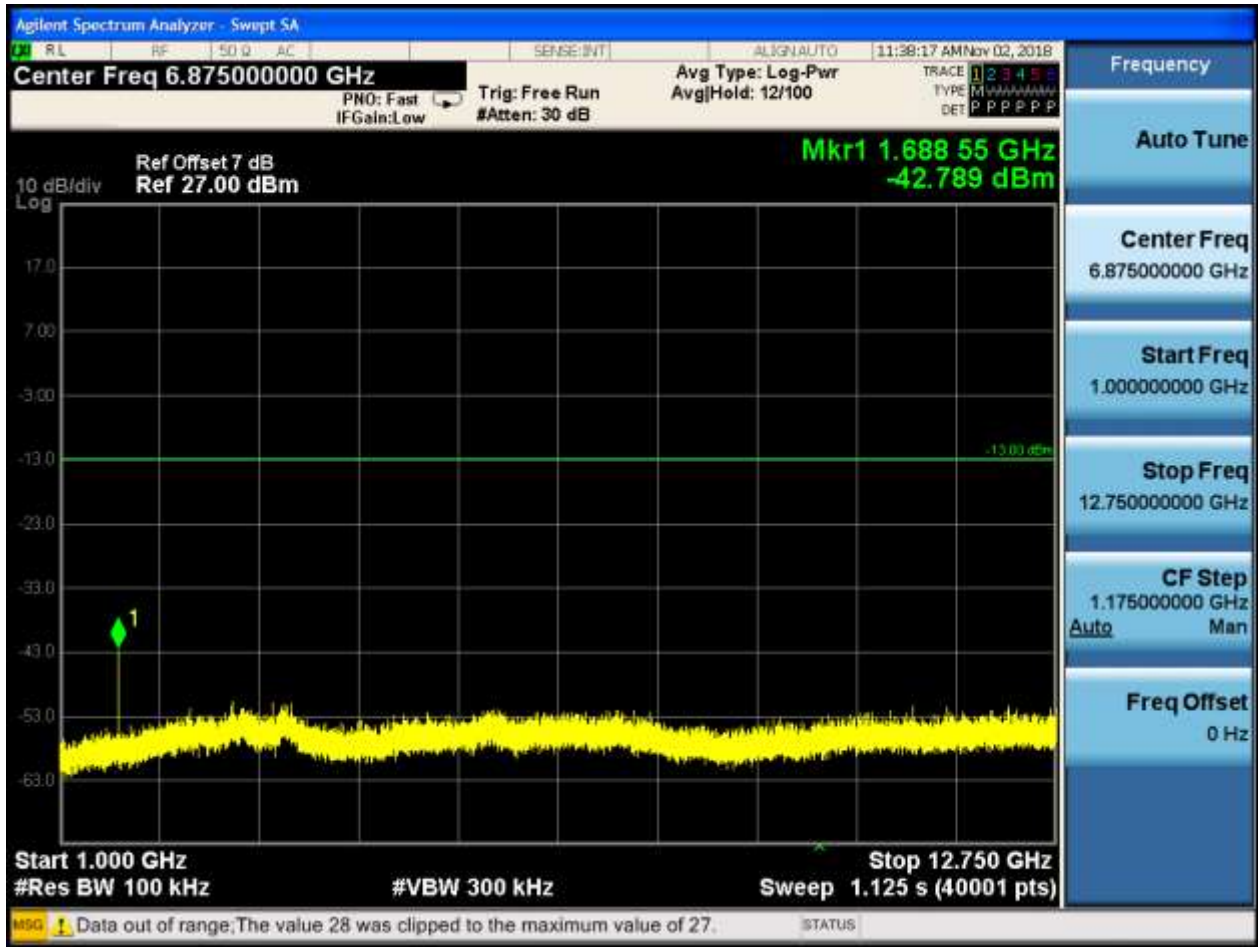
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0











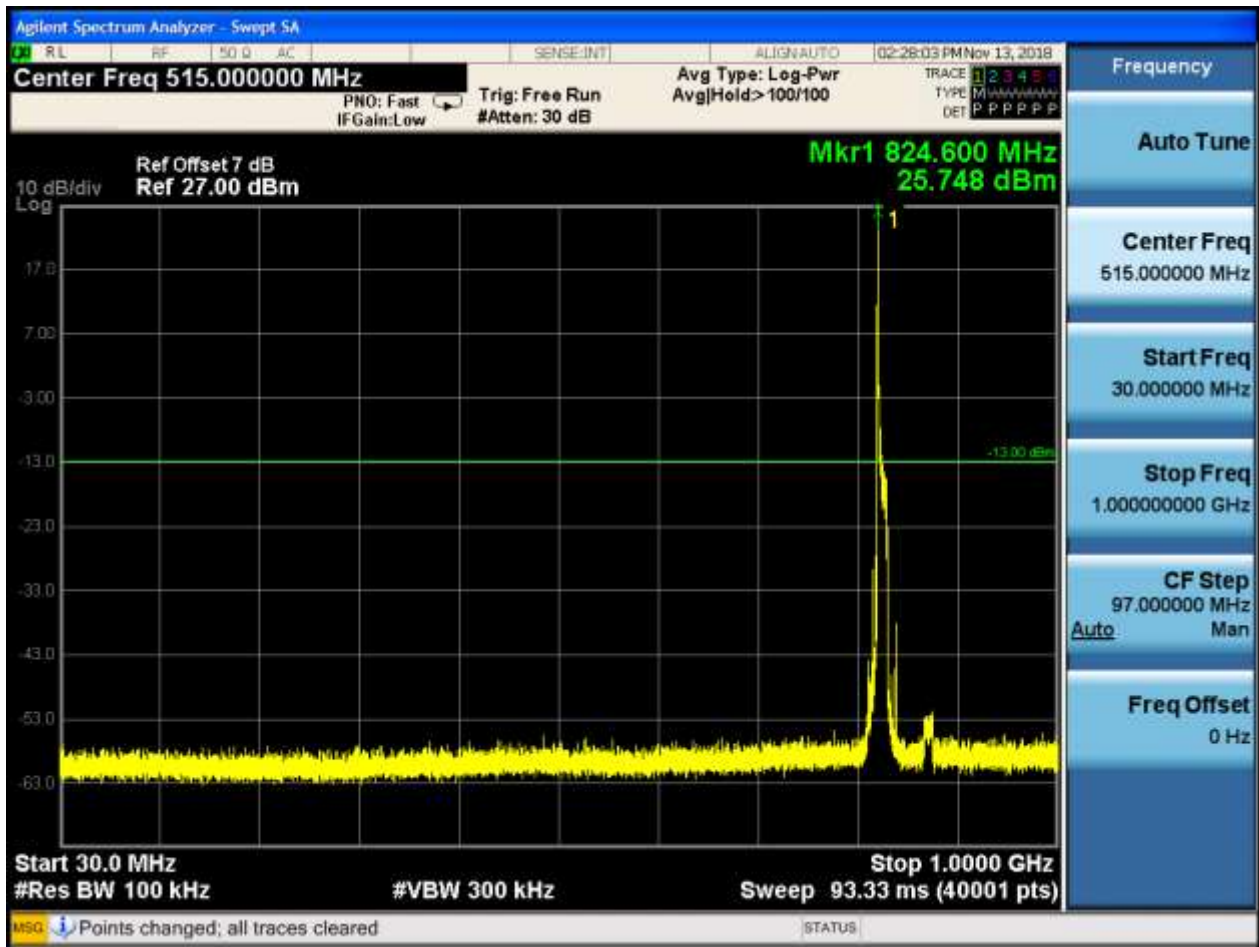
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





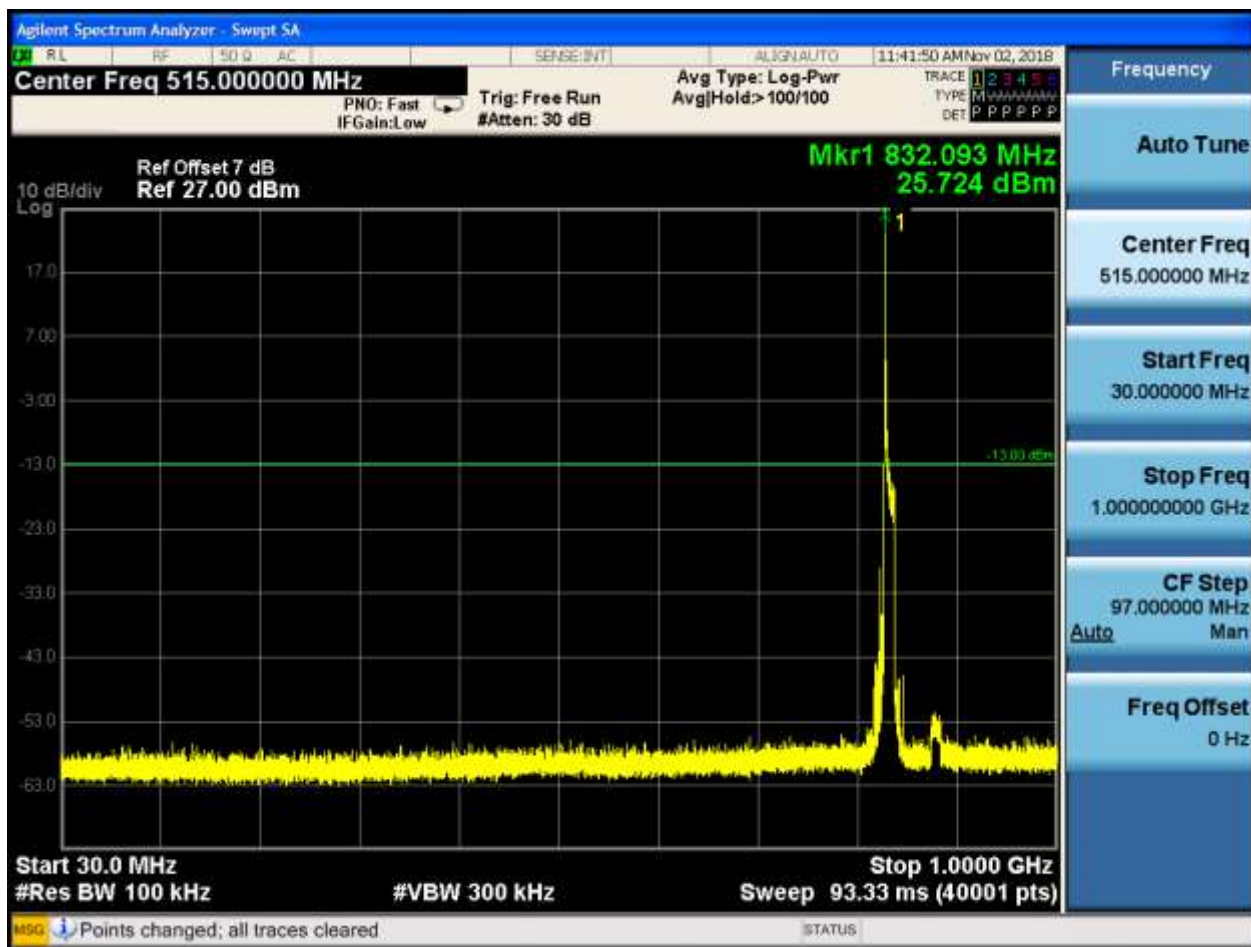


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



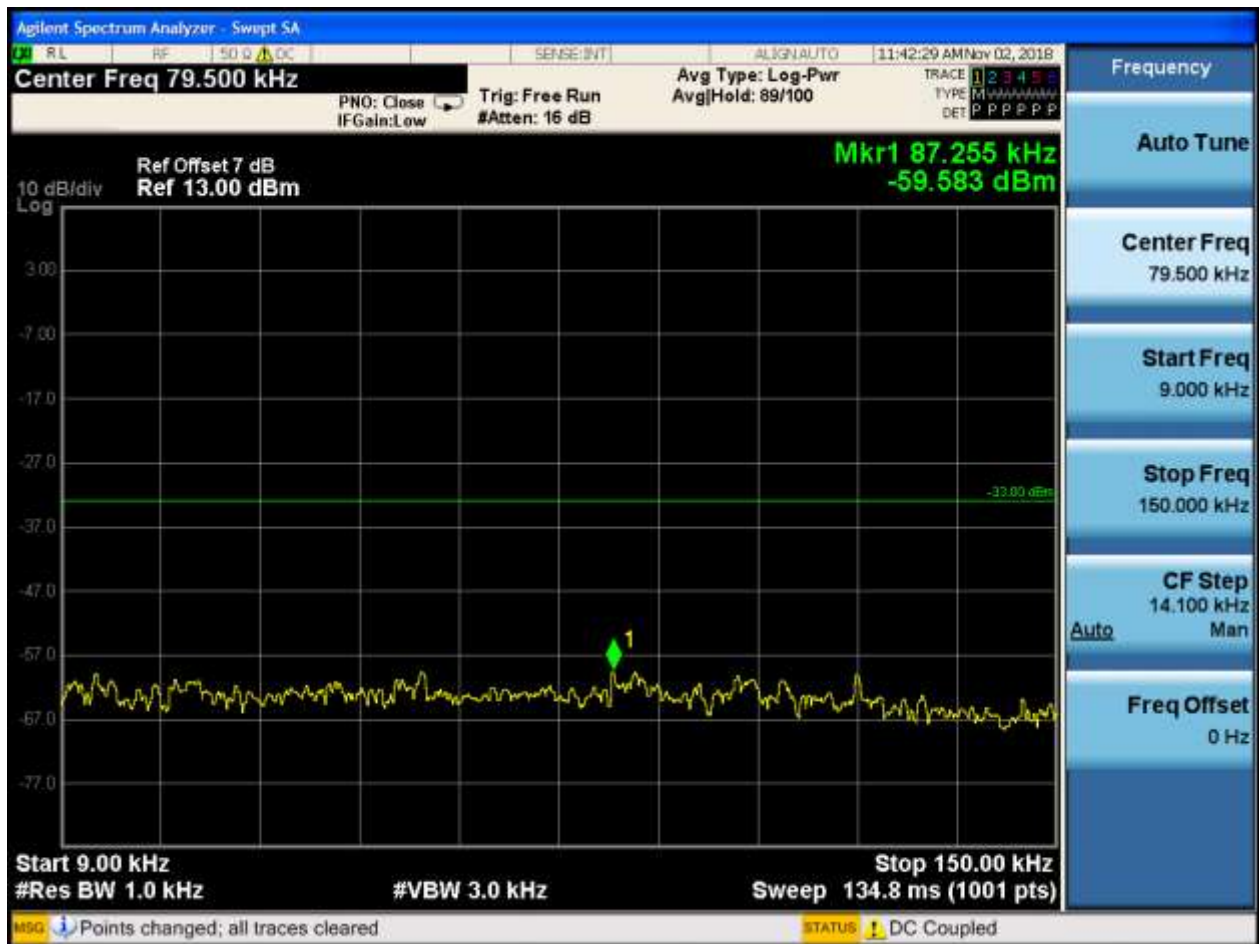




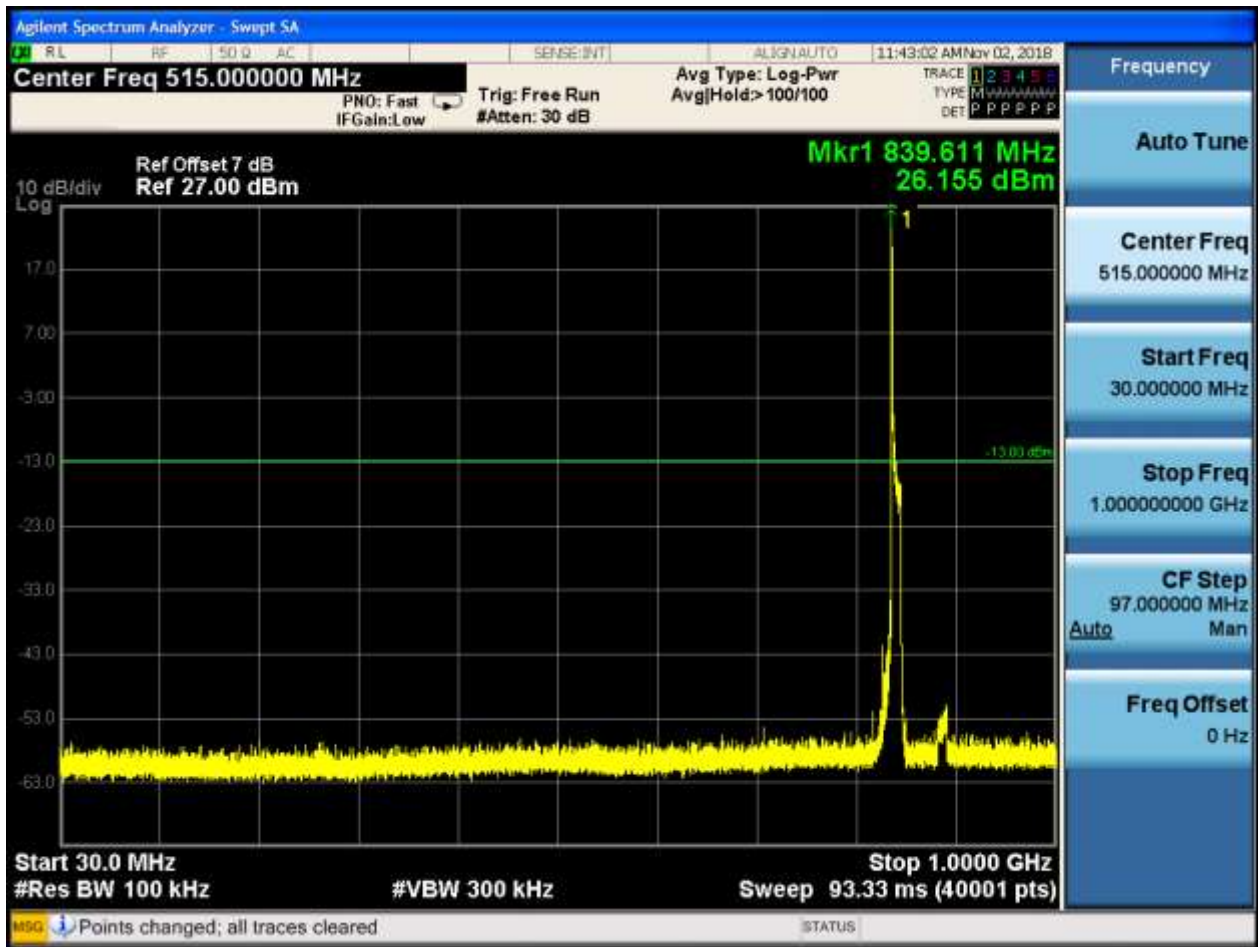


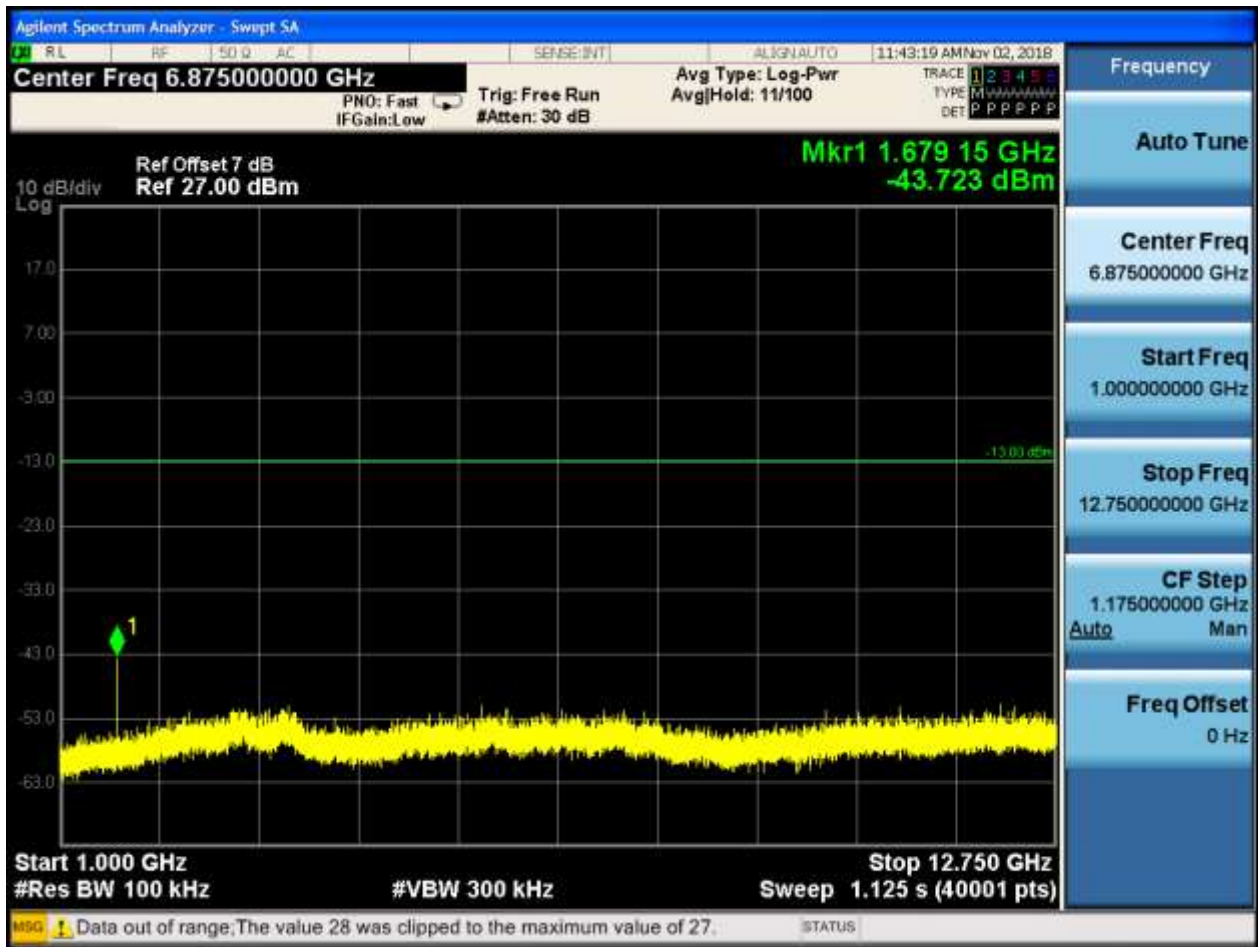


6.1.1.2.4.3.1 Test RB = RB1#0











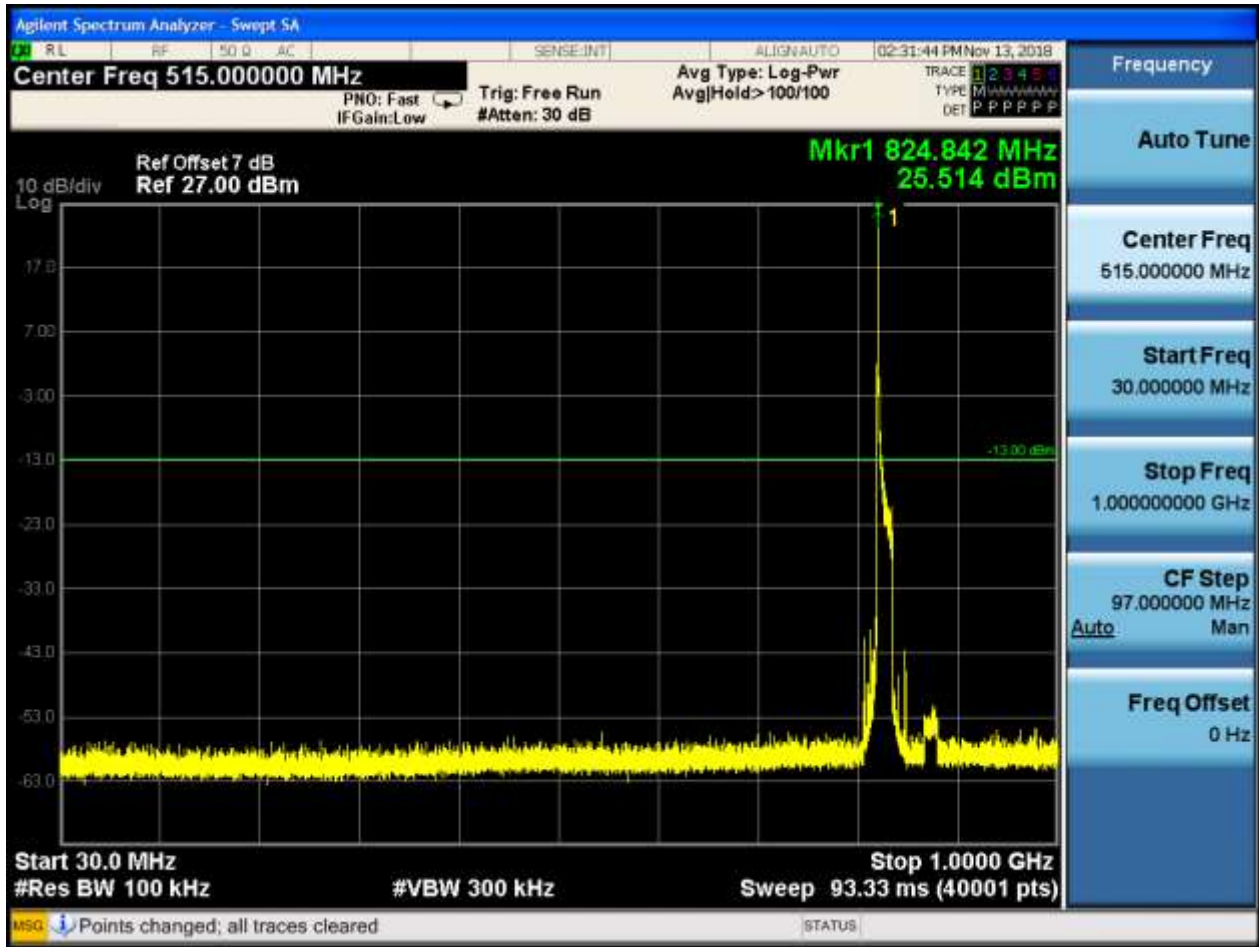
6.1.1.2.5 Test Bandwidth = 15

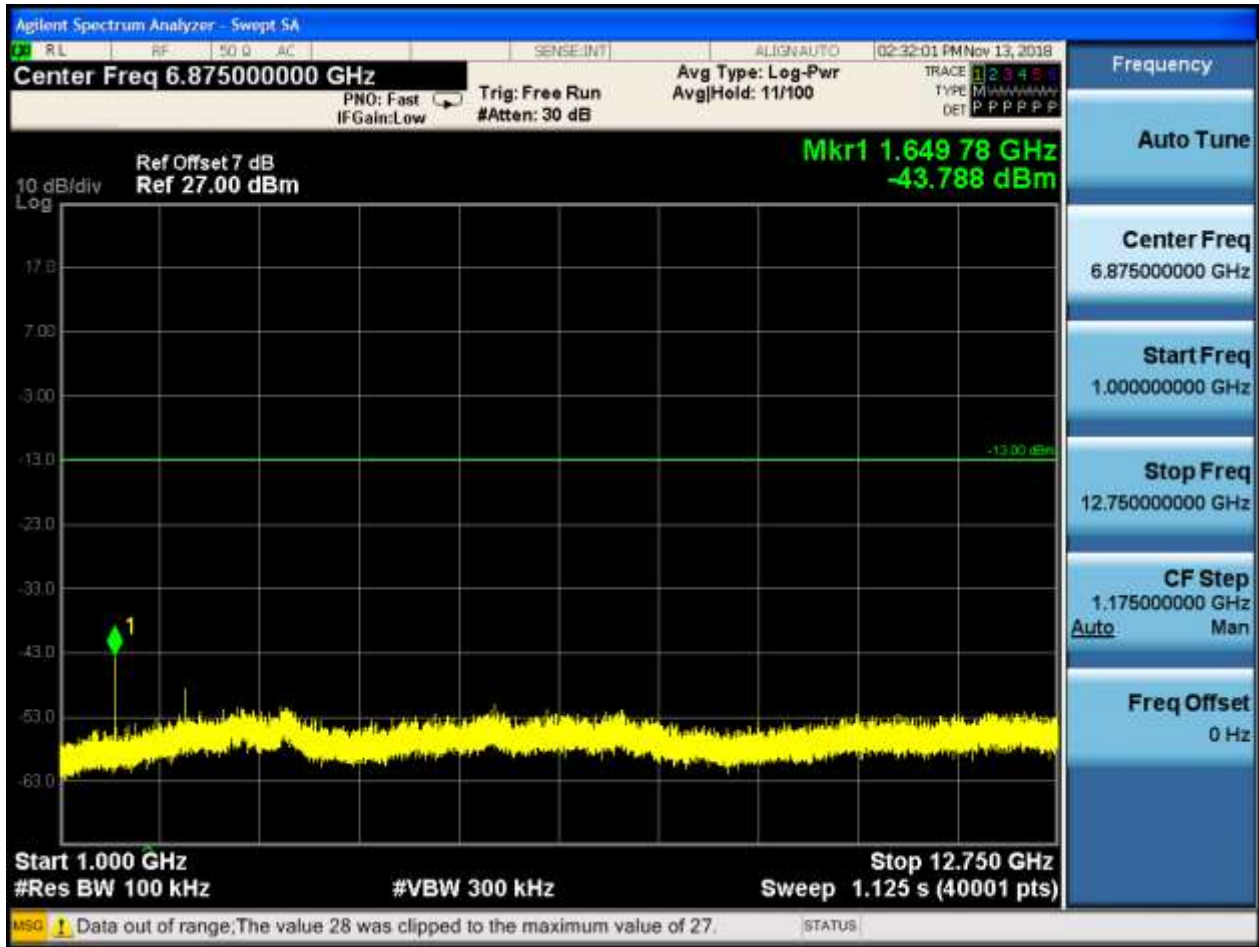
6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0







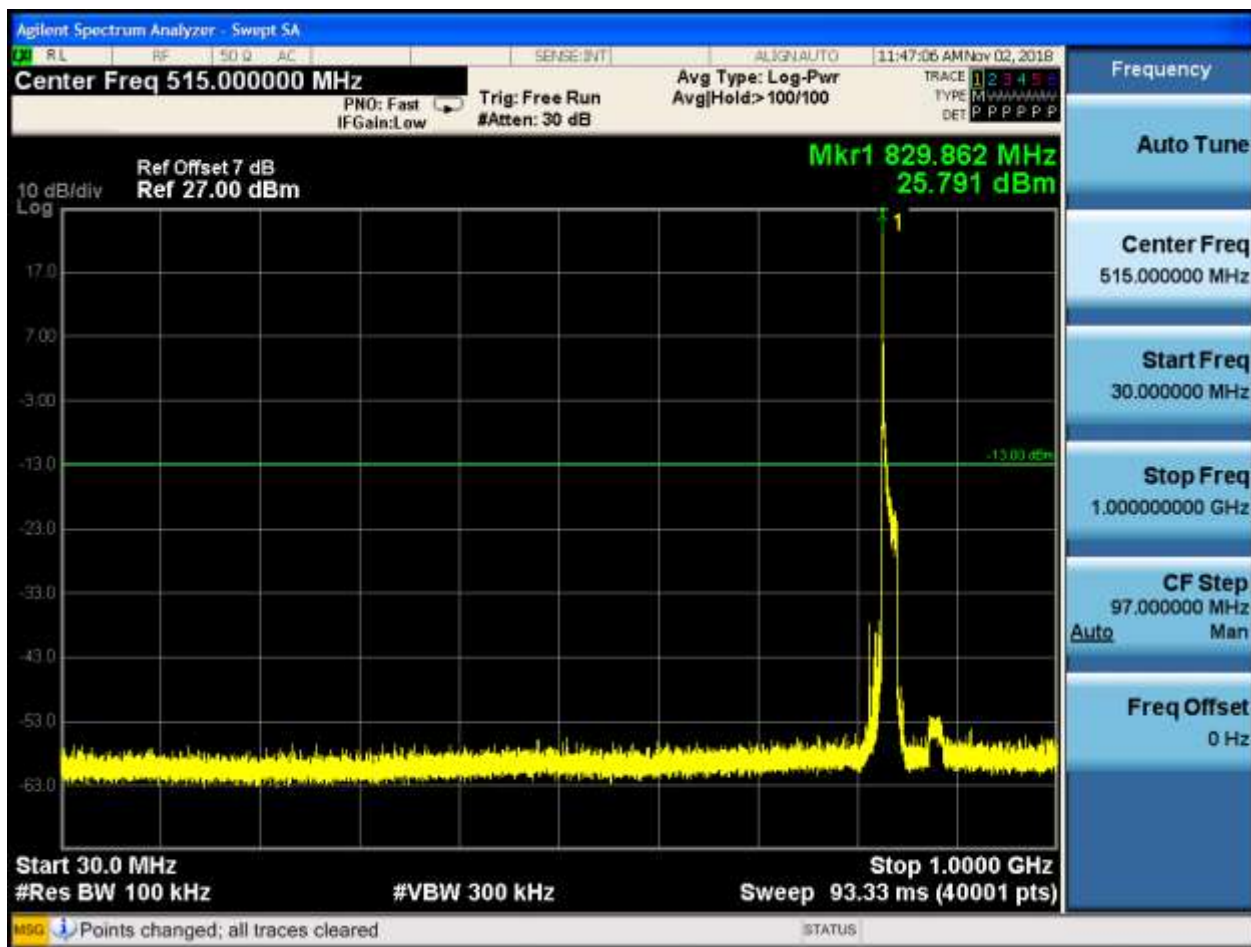


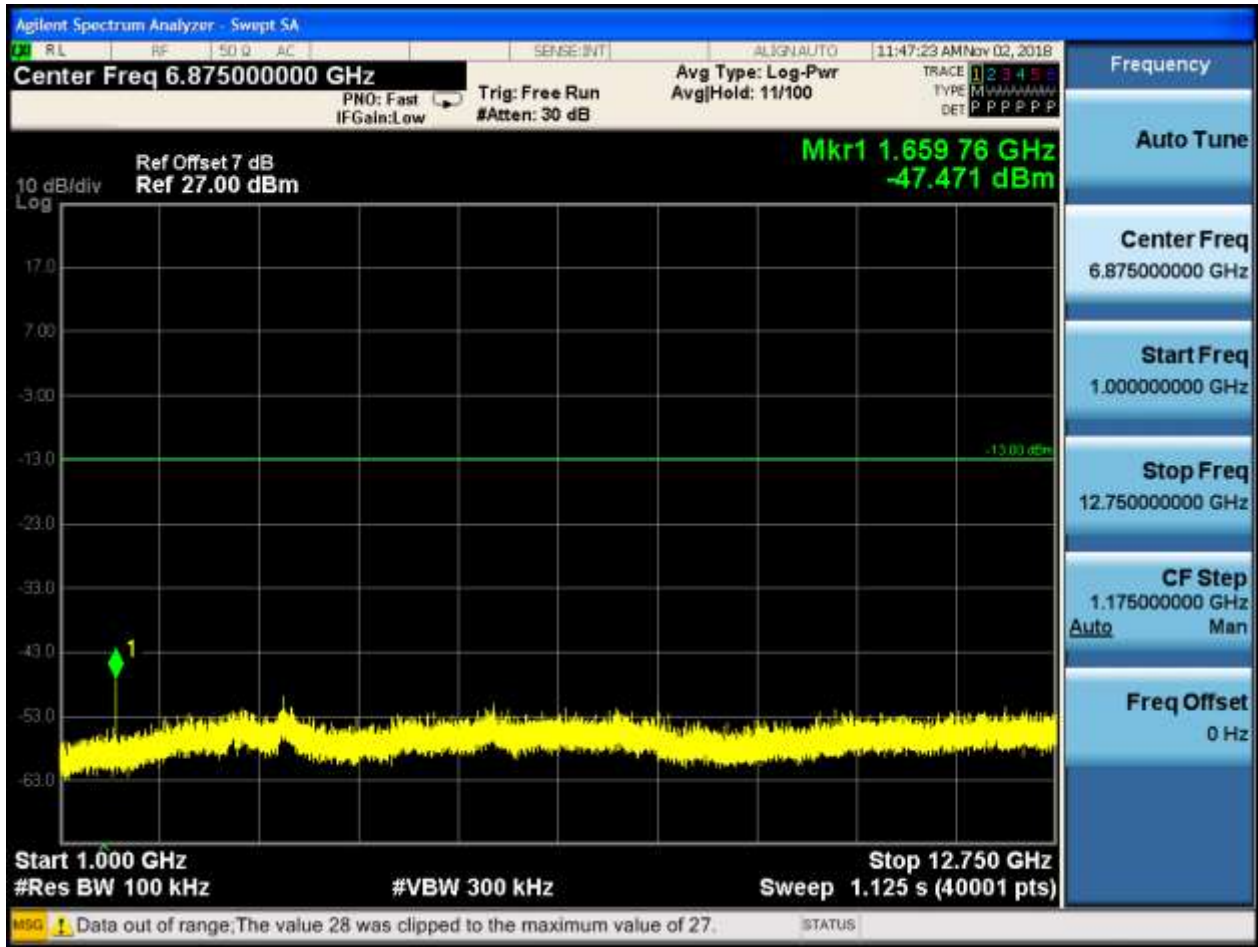
6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0







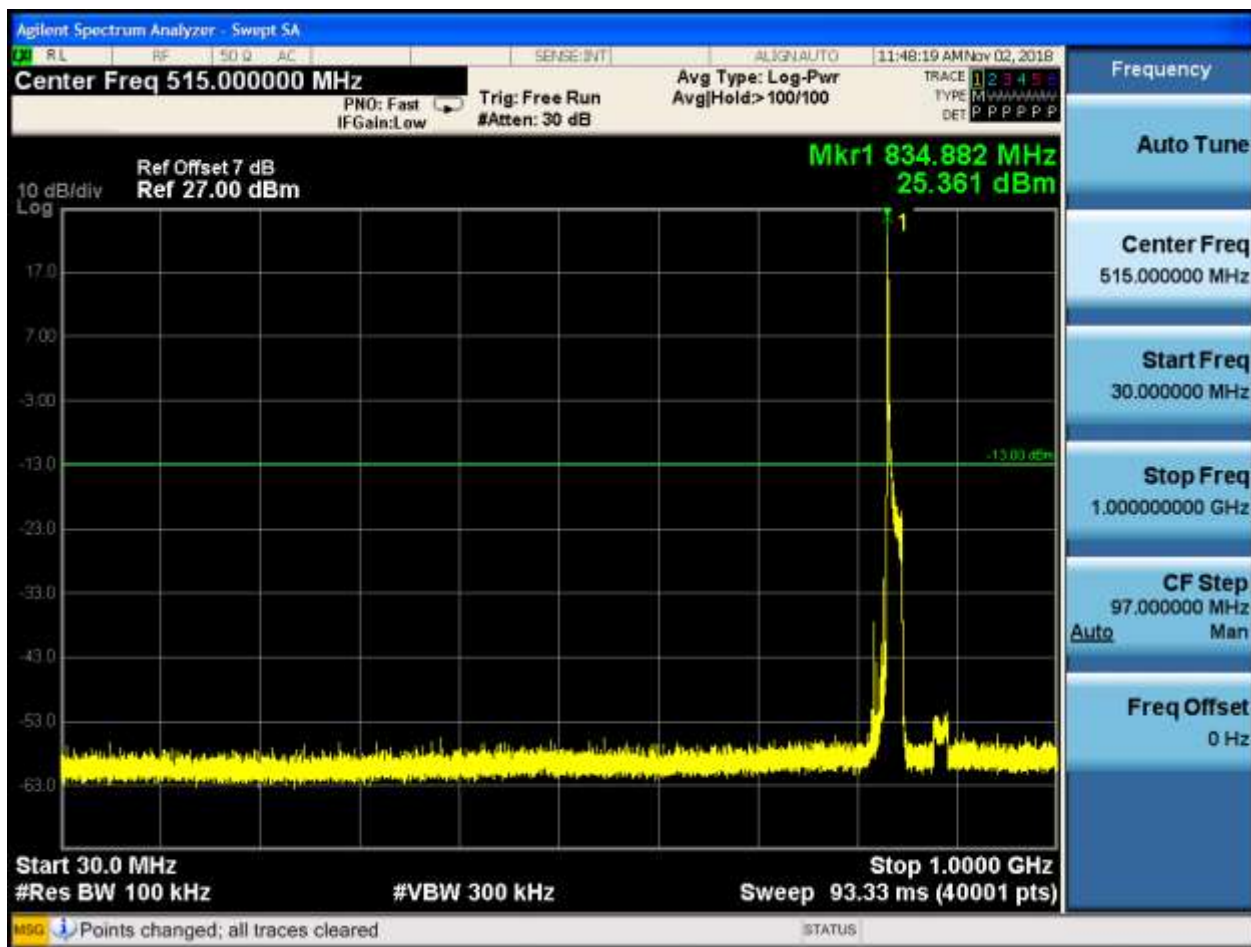


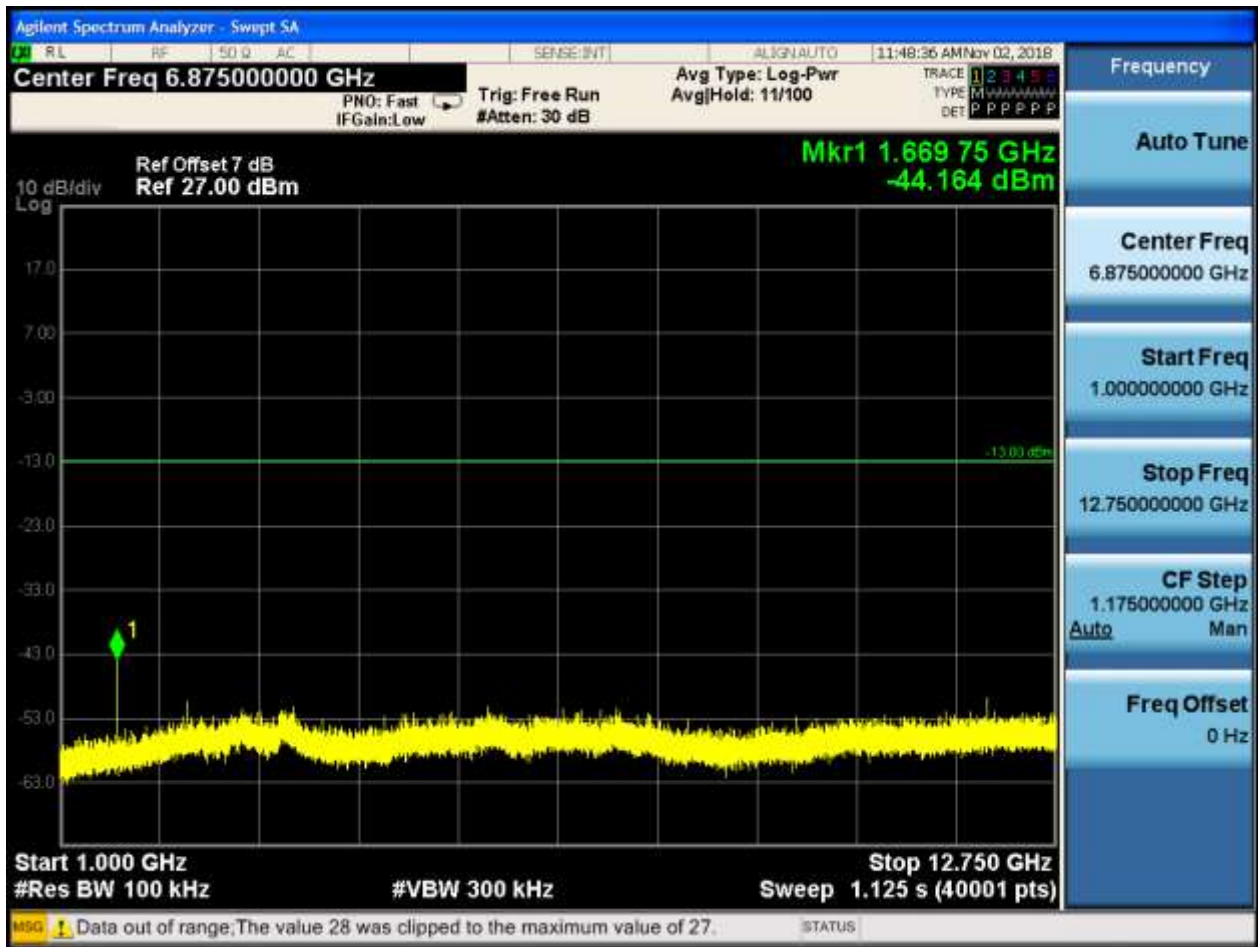
6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0











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

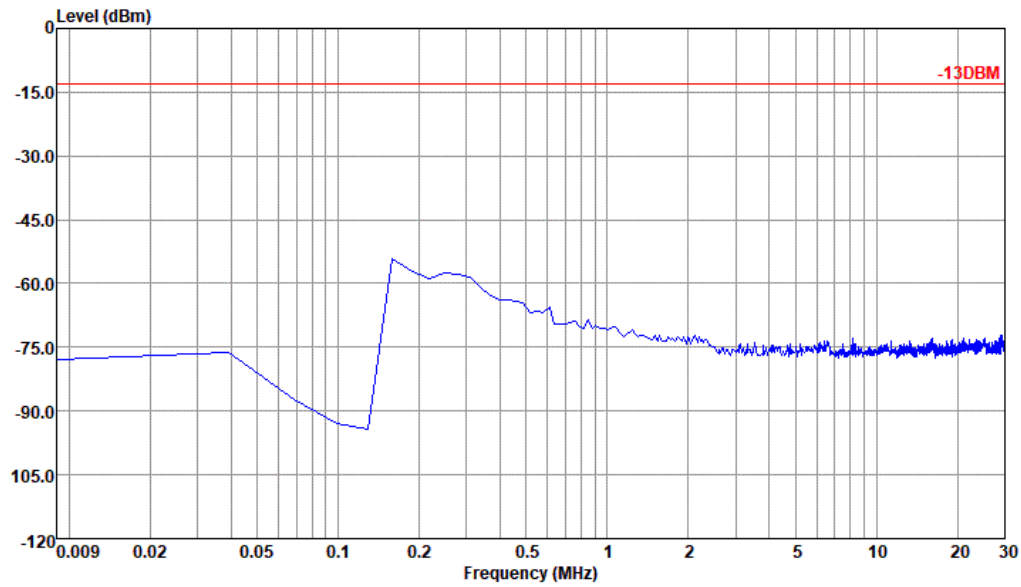
7.1 For LTE

7.1.1 Test Band = BAND26

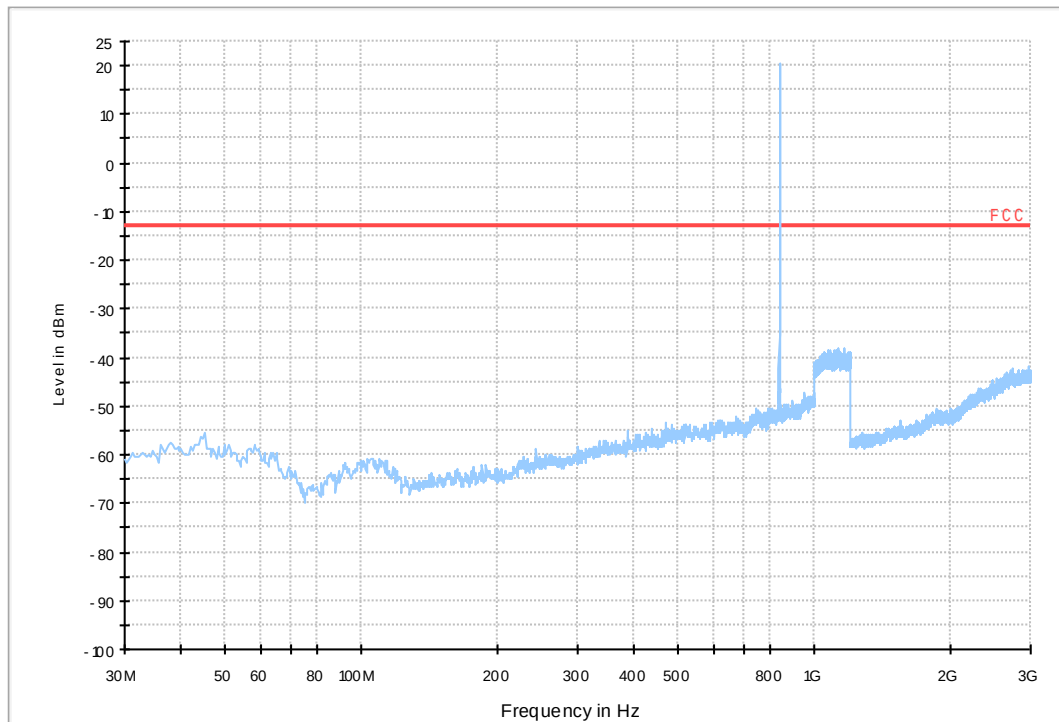
7.1.1.1 Test Bandwidth = 1.4



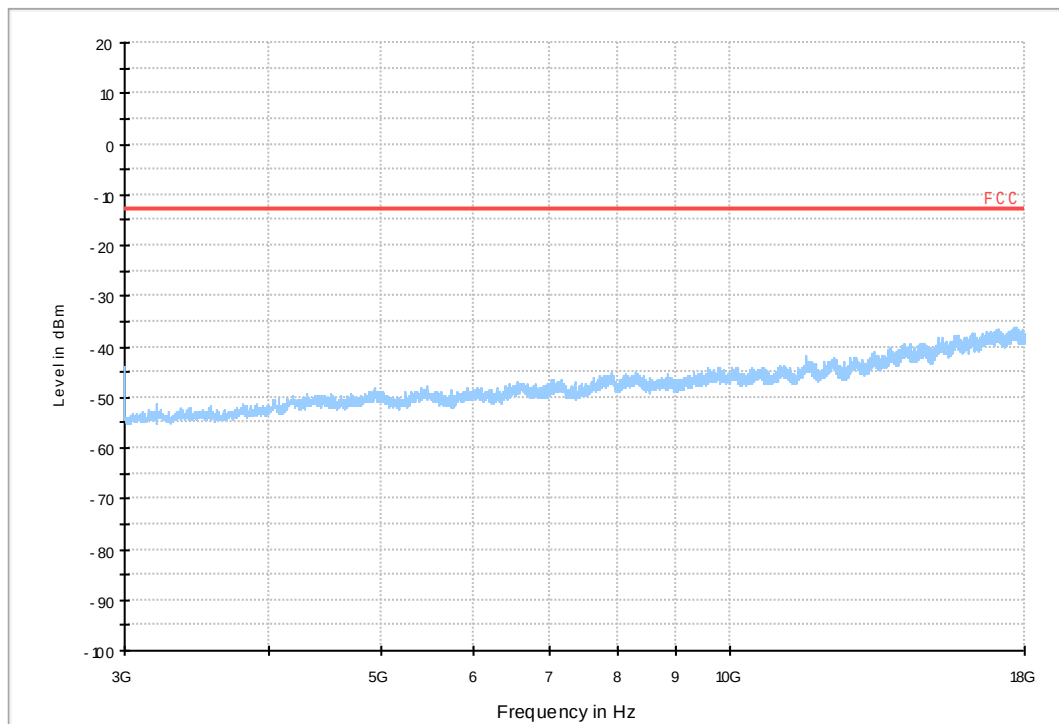
Data: 21



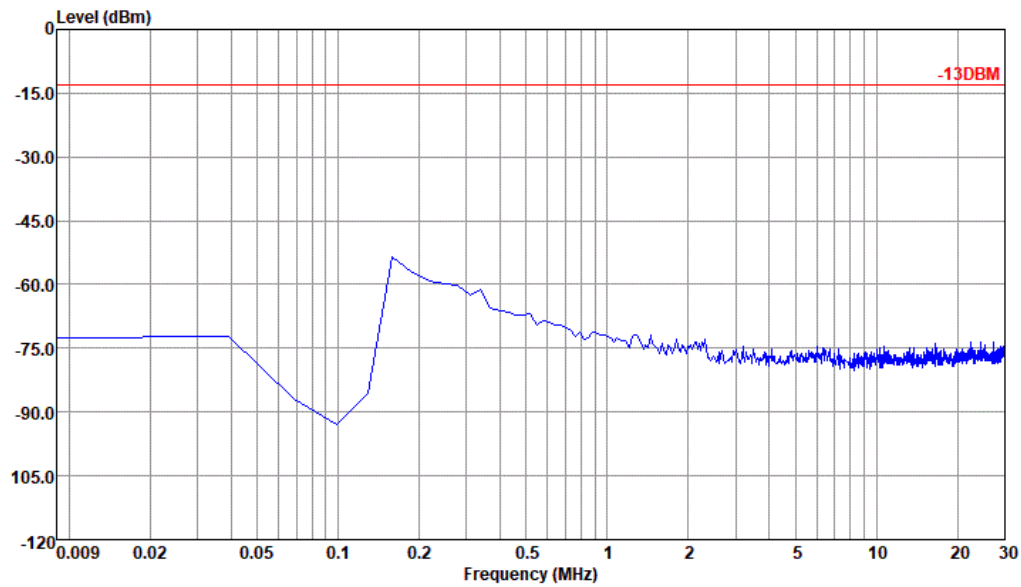
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



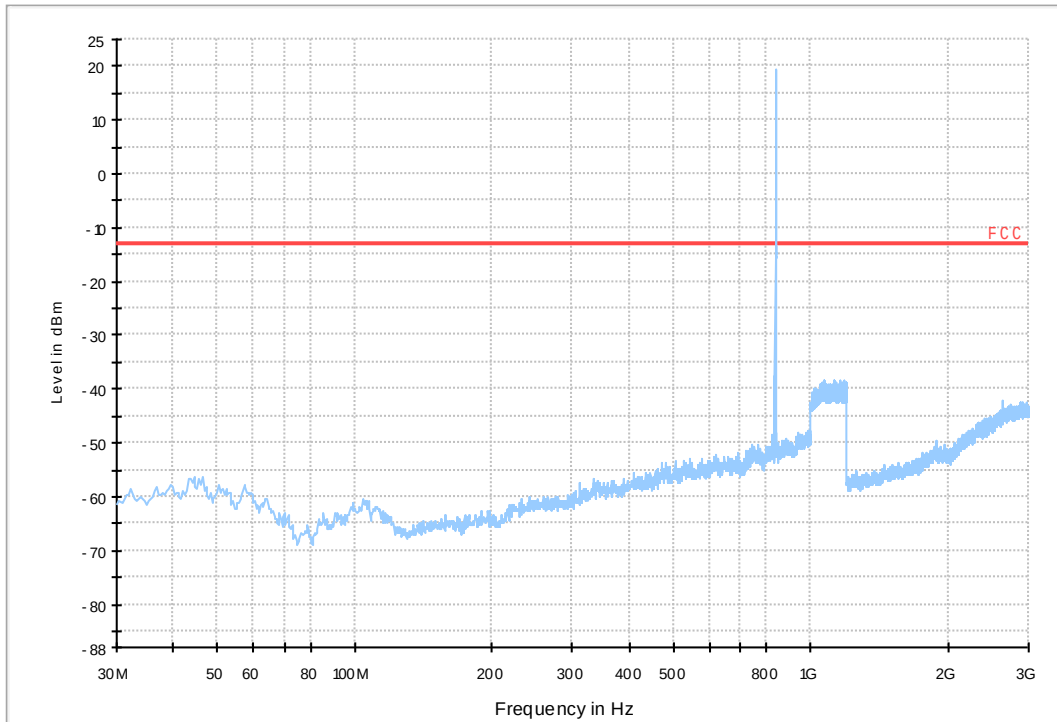
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



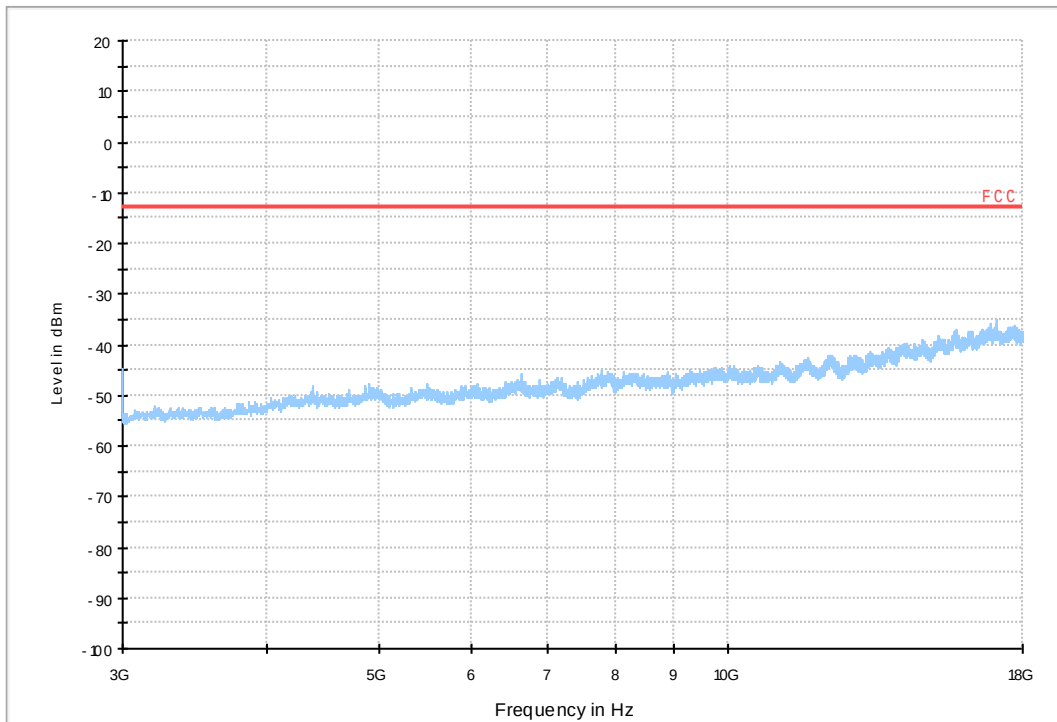
7.1.1.2 Test Bandwidth = 5



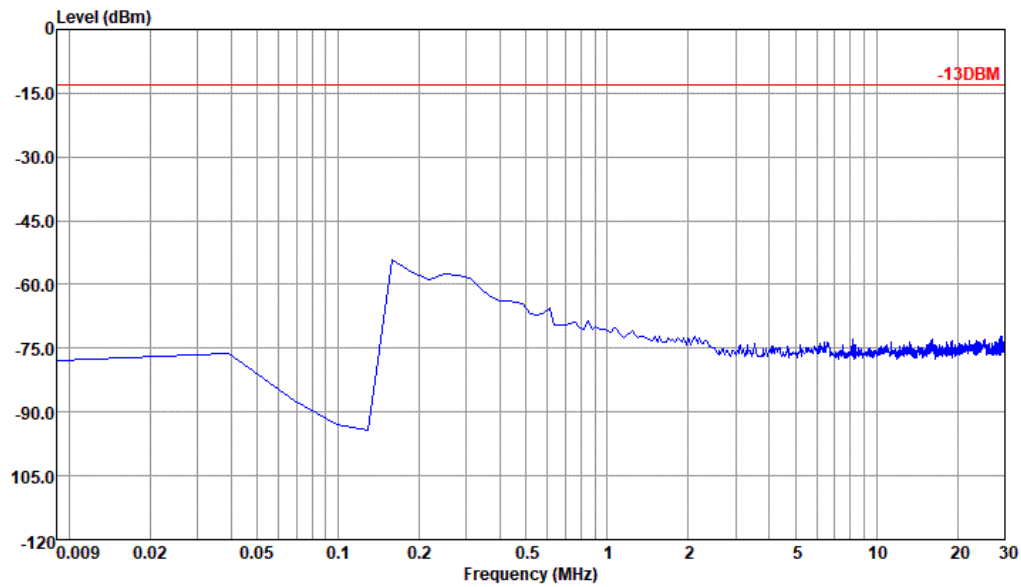
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



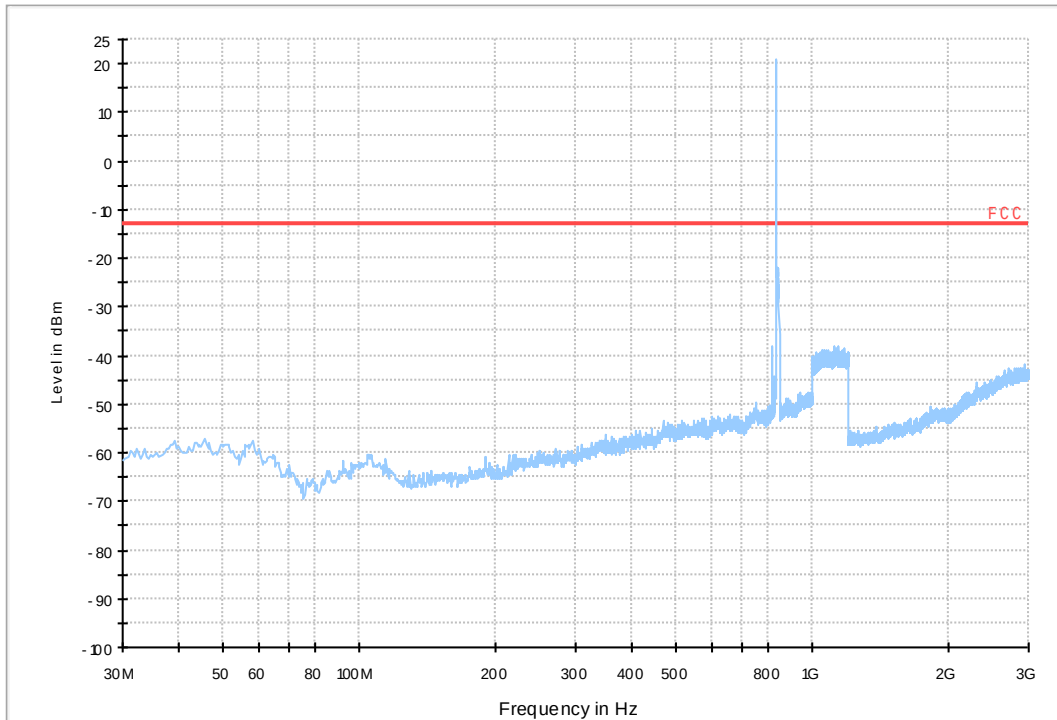
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



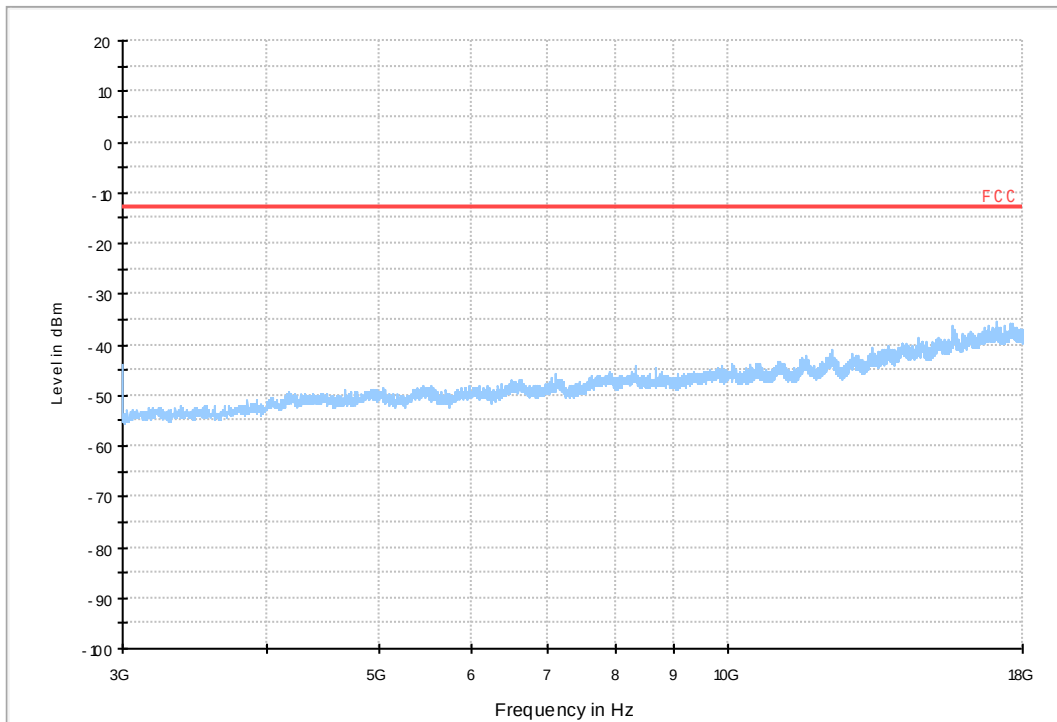
7.1.1.3 Test Bandwidth = 15



LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



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
BAND26	LTE/TM1	1.4	LCH	TN	VL	9.28	0.01125	PASS
					VN	-5.68	-0.00689	PASS
					VH	-8.04	-0.00975	PASS
			MCH	TN	VL	4.18	0.005	PASS
					VN	-2.15	-0.00257	PASS
					VH	-5.35	-0.0064	PASS
			HCH	TN	VL	-2.43	-0.00286	PASS
					VN	-4.58	-0.0054	PASS
					VH	6.77	0.00798	PASS
		3	LCH	TN	VL	-2.09	-0.00253	PASS
					VN	2.92	0.00354	PASS
					VH	4.88	0.00591	PASS
			MCH	TN	VL	-2.69	-0.00322	PASS
					VN	-8.68	-0.01038	PASS
					VH	0.73	0.00087	PASS
			HCH	TN	VL	-10.89	-0.01285	PASS
					VN	-8.15	-0.00962	PASS
					VH	-3.02	-0.00356	PASS
		5	LCH	TN	VL	-2.52	-0.00305	PASS
					VN	1.52	0.00184	PASS
					VH	0.41	0.0005	PASS
			MCH	TN	VL	5.91	0.00707	PASS
					VN	-0.79	-0.00094	PASS
					VH	4.91	0.00587	PASS
			HCH	TN	VL	-1.24	-0.00146	PASS
					VN	-2.66	-0.00314	PASS
					VH	-0.77	-0.00091	PASS
		10	LCH	TN	VL	-0.59	-0.00071	PASS
					VN	1.99	0.0024	PASS
					VH	-0.9	-0.00109	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VL	-0.27	-0.00032	PASS
					VN	-1.13	-0.00135	PASS
					VH	4.05	0.00484	PASS
			HCH	TN	VL	2.13	0.00252	PASS
					VN	2.68	0.00318	PASS
					VH	1.04	0.00123	PASS
		15	LCH	TN	VL	-0.2	-0.00024	PASS
					VN	2.8	0.00337	PASS
					VH	-0.43	-0.00052	PASS
			MCH	TN	VL	2.05	0.00245	PASS
					VN	1.57	0.00188	PASS
					VH	-0.46	-0.00055	PASS
			HCH	TN	VL	2.15	0.00255	PASS
					VN	-5.19	-0.00617	PASS
					VH	3.05	0.00362	PASS
	LTE/TM2	1.4	LCH	TN	VL	16.15	0.01958	PASS
					VN	17.22	0.02088	PASS
					VH	1.04	0.00126	PASS
			MCH	TN	VL	-4.49	-0.00537	PASS
					VN	16.14	0.01929	PASS
					VH	-9.08	-0.01085	PASS
			HCH	TN	VL	-1.17	-0.00138	PASS
					VN	1.07	0.00126	PASS
					VH	-12.87	-0.01517	PASS
		3	LCH	TN	VL	-2.16	-0.00262	PASS
					VN	15.42	0.01868	PASS
					VH	-3.25	-0.00394	PASS
			MCH	TN	VL	2.96	0.00354	PASS
					VN	-2.99	-0.00357	PASS
					VH	2.76	0.0033	PASS
			HCH	TN	VL	-1.43	-0.00169	PASS
					VN	-3.49	-0.00412	PASS
					VH	11.79	0.01391	PASS
		5	LCH	TN	VL	-1.12	-0.00136	PASS
					VN	-0.46	-0.00056	PASS
					VH	0.73	0.00088	PASS
			MCH	TN	VL	2.86	0.00342	PASS
					VN	6.79	0.00812	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	-1.07	-0.00128	PASS
					VL	1.86	0.0022	PASS
					VN	1.75	0.00207	PASS
					VH	-2.49	-0.00294	PASS
		10	LCH	TN	VL	2.05	0.00245	PASS
					VN	1.57	0.00188	PASS
					VH	-0.46	-0.00055	PASS
			MCH	TN	VL	9.11	0.01089	PASS
					VN	-7.08	-0.00846	PASS
					VH	-1.3	-0.00155	PASS
			HCH	TN	VL	-0.03	-0.00004	PASS
					VN	1.24	0.00147	PASS
					VH	0.29	0.00034	PASS
		15	LCH	TN	VL	-0.62	-0.00075	PASS
					VN	-1.66	-0.002	PASS
					VH	1.14	0.00137	PASS
			MCH	TN	VL	1.87	0.00224	PASS
					VN	0.66	0.00079	PASS
					VH	2.73	0.00326	PASS
			HCH	TN	VL	-4.39	-0.00522	PASS
					VN	-11.67	-0.01387	PASS
					VH	-13.26	-0.01576	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
BAND26	LTE/TM1	1.4	LCH	VN	-30	11.1	0.01346	PASS
					-20	-9.6	-0.01164	PASS
					-10	4.71	0.00571	PASS
					0	7.38	0.00895	PASS
					10	4.33	0.00525	PASS
					20	-8.84	-0.01072	PASS
					30	4.61	0.00559	PASS
					40	5.45	0.00661	PASS
					50	-5.51	-0.00668	PASS
			MCH	VN	-30	-1.32	-0.00158	PASS
					-20	-10.8	-0.01291	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-1.14	-0.00136	PASS
					0	3.56	0.00426	PASS
					10	1.09	0.0013	PASS
					20	-23.03	-0.02753	PASS
					30	16.12	0.01927	PASS
					40	7.94	0.00949	PASS
					50	10.11	0.01209	PASS
			HCH	VN	-30	1.5	0.00177	PASS
					-20	10.27	0.01211	PASS
					-10	-1.26	-0.00149	PASS
					0	3.81	0.00449	PASS
					10	10.23	0.01206	PASS
					20	11.09	0.01307	PASS
					30	-6.87	-0.0081	PASS
					40	2.6	0.00306	PASS
					50	-6.95	-0.00819	PASS
		3	LCH	VN	-30	-6.82	-0.00826	PASS
					-20	-6.07	-0.00735	PASS
					-10	-0.3	-0.00036	PASS
					0	11.03	0.01336	PASS
					10	-6.87	-0.00832	PASS
					20	0.82	0.00099	PASS
					30	-7.1	-0.0086	PASS
					40	-3.5	-0.00424	PASS
					50	1.7	0.00206	PASS
			MCH	VN	-30	-4.21	-0.00503	PASS
					-20	0.63	0.00075	PASS
					-10	1.69	0.00202	PASS
					0	2.59	0.0031	PASS
					10	4.06	0.00485	PASS
					20	0.93	0.00111	PASS
					30	0.77	0.00092	PASS
					40	-1.4	-0.00167	PASS
					50	3.48	0.00416	PASS
			HCH	VN	-30	3.82	0.00451	PASS
					-20	3.5	0.00413	PASS
					-10	-0.21	-0.00025	PASS
					0	-1.7	-0.00201	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-1.36	-0.0016	PASS
					20	5.29	0.00624	PASS
					30	7.17	0.00846	PASS
					40	2.56	0.00302	PASS
					50	0.79	0.00093	PASS
		5	LCH	VN	-30	0.01	0.00001	PASS
					-20	-2.02	-0.00244	PASS
					-10	-0.86	-0.00104	PASS
					0	-0.5	-0.0006	PASS
					10	1.06	0.00128	PASS
					20	-1.65	-0.002	PASS
					30	-1.76	-0.00213	PASS
					40	-5.09	-0.00616	PASS
					50	-2.76	-0.00334	PASS
			MCH	VN	-30	6.69	0.008	PASS
					-20	-27.92	-0.03338	PASS
					-10	5.31	0.00635	PASS
					0	1.53	0.00183	PASS
					10	7.28	0.0087	PASS
					20	5.88	0.00703	PASS
					30	7.12	0.00851	PASS
					40	5.95	0.00711	PASS
					50	35.86	0.04287	PASS
			HCH	VN	-30	-1.39	-0.00164	PASS
					-20	-3.6	-0.00425	PASS
					-10	0.33	0.00039	PASS
					0	-3.86	-0.00456	PASS
					10	-2.93	-0.00346	PASS
					20	2.53	0.00299	PASS
					30	5.04	0.00595	PASS
					40	4.99	0.00589	PASS
					50	-1.03	-0.00122	PASS
		10	LCH	VN	-30	3.16	0.00381	PASS
					-20	0.66	0.0008	PASS
					-10	1.04	0.00125	PASS
					0	0.8	0.00097	PASS
					10	-1.42	-0.00171	PASS
					20	2.89	0.00349	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	1.23	0.00148	PASS
					40	2.36	0.00285	PASS
					50	-0.34	-0.00041	PASS
			MCH	VN	-30	2.79	0.00334	PASS
					-20	0.49	0.00059	PASS
					-10	3.29	0.00393	PASS
					0	6.44	0.0077	PASS
					10	19.24	0.023	PASS
					20	0.2	0.00024	PASS
					30	1.36	0.00163	PASS
					40	1.37	0.00164	PASS
					50	0.16	0.00019	PASS
			HCH	VN	-30	1.14	0.00135	PASS
					-20	3.25	0.00385	PASS
					-10	3.2	0.00379	PASS
					0	4.51	0.00534	PASS
					10	-1.76	-0.00209	PASS
					20	-2.89	-0.00342	PASS
					30	1.2	0.00142	PASS
					40	-7.07	-0.00838	PASS
					50	0.01	0.00001	PASS
		15	LCH	VN	-30	-0.47	-0.00057	PASS
					-20	3.79	0.00456	PASS
					-10	0.74	0.00089	PASS
					0	0.24	0.00029	PASS
					10	-0.37	-0.00044	PASS
					20	6.04	0.00726	PASS
					30	0.19	0.00023	PASS
					40	-0.09	-0.00011	PASS
					50	3.65	0.00439	PASS
			MCH	VN	-30	2.6	0.00311	PASS
					-20	1.29	0.00154	PASS
					-10	0.43	0.00051	PASS
					0	0.77	0.00092	PASS
					10	3.05	0.00365	PASS
					20	2.33	0.00279	PASS
					30	-0.34	-0.00041	PASS
					40	4.69	0.00561	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	50	-0.47	-0.00056	PASS
					-30	-1.65	-0.00196	PASS
					-20	-18.38	-0.02184	PASS
					-10	-10.61	-0.01261	PASS
					0	-3.75	-0.00446	PASS
					10	-13.83	-0.01643	PASS
					20	-13	-0.01545	PASS
					30	3.69	0.00439	PASS
					40	5.58	0.00663	PASS
					50	-1.32	-0.00157	PASS
	LTE/TM2	1.4	LCH	VN	-30	-5.38	-0.00652	PASS
					-20	-15.84	-0.01921	PASS
					-10	-7.62	-0.00924	PASS
					0	2.79	0.00338	PASS
					10	13.42	0.01627	PASS
					20	1.42	0.00172	PASS
					30	-9.28	-0.01125	PASS
					40	-1.72	-0.00209	PASS
					50	-11.07	-0.01342	PASS
			MCH	VN	-30	2.03	0.00243	PASS
					-20	10.77	0.01288	PASS
					-10	5.18	0.00619	PASS
					0	-10.51	-0.01256	PASS
					10	-11.39	-0.01362	PASS
					20	-12.12	-0.01449	PASS
					30	-12.04	-0.01439	PASS
					40	-1.69	-0.00202	PASS
					50	17.41	0.02081	PASS
			HCH	VN	-30	-20.44	-0.0241	PASS
					-20	0.44	0.00052	PASS
					-10	-6.02	-0.0071	PASS
					0	3.83	0.00451	PASS
					10	-8.37	-0.00987	PASS
					20	5.62	0.00663	PASS
					30	-2.72	-0.00321	PASS
					40	-5.69	-0.00671	PASS
					50	4.61	0.00543	PASS
		3	LCH	VN	-30	-2.35	-0.00284	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-2.55	-0.00309	PASS
					-10	-2.83	-0.00342	PASS
					0	-1.22	-0.00148	PASS
					10	-2.37	-0.00287	PASS
					20	-2.39	-0.0029	PASS
					30	-4.61	-0.00558	PASS
					40	-2.69	-0.00326	PASS
					50	-3.1	-0.00376	PASS
			MCH	VN	-30	5.12	0.00612	PASS
					-20	-3.23	-0.00386	PASS
					-10	2.47	0.00295	PASS
					0	1.36	0.00163	PASS
					10	3.3	0.00395	PASS
					20	-0.29	-0.00035	PASS
					30	-2.39	-0.00286	PASS
					40	2.59	0.0031	PASS
					50	-0.62	-0.00074	PASS
			HCH	VN	-30	-0.53	-0.00063	PASS
					-20	-1.59	-0.00188	PASS
					-10	-1.52	-0.00179	PASS
					0	8	0.00944	PASS
					10	4.45	0.00525	PASS
					20	3.58	0.00422	PASS
					30	-5.44	-0.00642	PASS
					40	-9.26	-0.01093	PASS
					50	-0.89	-0.00105	PASS
		5	LCH	VN	-30	-1.63	-0.00197	PASS
					-20	-2.42	-0.00293	PASS
					-10	-6.68	-0.00808	PASS
					0	-2.79	-0.00338	PASS
					10	-2.35	-0.00284	PASS
					20	-2.55	-0.00309	PASS
					30	-2.83	-0.00342	PASS
					40	-1.22	-0.00148	PASS
					50	-2.37	-0.00287	PASS
			MCH	VN	-30	2.79	0.00334	PASS
					-20	-31.96	-0.03821	PASS
					-10	-5.29	-0.00632	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-1.99	-0.00238	PASS
					10	-5.58	-0.00667	PASS
					20	-1.27	-0.00152	PASS
					30	-5.34	-0.00638	PASS
					40	-10.49	-0.01254	PASS
					50	-6.68	-0.00799	PASS
			HCH	VN	-30	2.33	0.00275	PASS
					-20	-0.19	-0.00022	PASS
					-10	-0.82	-0.00097	PASS
					0	-0.99	-0.00117	PASS
					10	0.82	0.00097	PASS
					20	2.05	0.00242	PASS
					30	-1.92	-0.00227	PASS
					40	0.86	0.00102	PASS
					50	-0.3	-0.00035	PASS
		10	LCH	VN	-30	-3.43	-0.00414	PASS
					-20	-3.22	-0.00388	PASS
					-10	0.06	0.00007	PASS
					0	2.55	0.00308	PASS
					10	2.36	0.00285	PASS
					20	2.12	0.00256	PASS
					30	-1.04	-0.00125	PASS
					40	1.23	0.00148	PASS
					50	-0.43	-0.00052	PASS
			MCH	VN	-30	-0.97	-0.00116	PASS
					-20	-2.5	-0.00299	PASS
					-10	-6.37	-0.00762	PASS
					0	-3.68	-0.0044	PASS
					10	-3.93	-0.0047	PASS
					20	-2.4	-0.00287	PASS
					30	-5.01	-0.00599	PASS
					40	1.96	0.00234	PASS
					50	-3.49	-0.00417	PASS
			HCH	VN	-30	0.33	0.00039	PASS
					-20	-0.5	-0.00059	PASS
					-10	-0.14	-0.00017	PASS
					0	1.59	0.00188	PASS
					10	0.13	0.00015	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	0.63	0.00075	PASS
					30	-1.57	-0.00186	PASS
					40	-0.9	-0.00107	PASS
					50	-1.9	-0.00225	PASS
		15	LCH	VN	-30	0.21	0.00025	PASS
					-20	-1.52	-0.00183	PASS
					-10	0.39	0.00047	PASS
					0	-0.31	-0.00037	PASS
					10	-2.26	-0.00272	PASS
					20	0.62	0.00075	PASS
					30	1.65	0.00198	PASS
					40	0.69	0.00083	PASS
					50	0.19	0.00023	PASS
			MCH	VN	-30	1.09	0.0013	PASS
					-20	1	0.0012	PASS
					-10	-1.86	-0.00222	PASS
					0	-2.33	-0.00279	PASS
					10	-2.46	-0.00294	PASS
					20	0.39	0.00047	PASS
					30	0.13	0.00016	PASS
					40	-3	-0.00359	PASS
					50	-3.15	-0.00377	PASS
			HCH	VN	-30	1.87	0.00222	PASS
					-20	-5.92	-0.00704	PASS
					-10	-3.42	-0.00406	PASS
					0	-1.37	-0.00163	PASS
					10	3.3	0.00392	PASS
					20	7.8	0.00927	PASS
					30	-0.2	-0.00024	PASS
					40	8.54	0.01015	PASS
					50	9.73	0.01156	PASS

END