

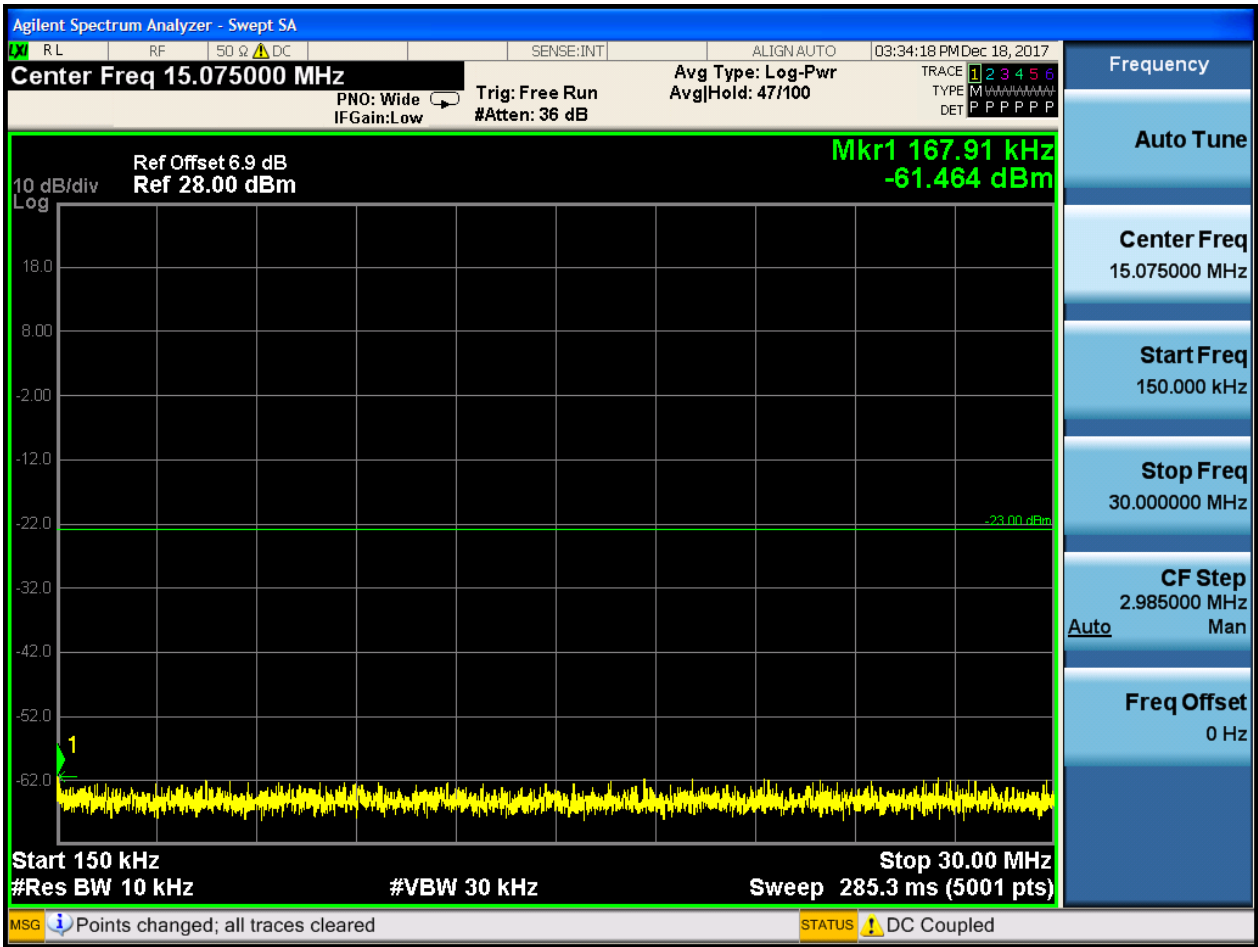


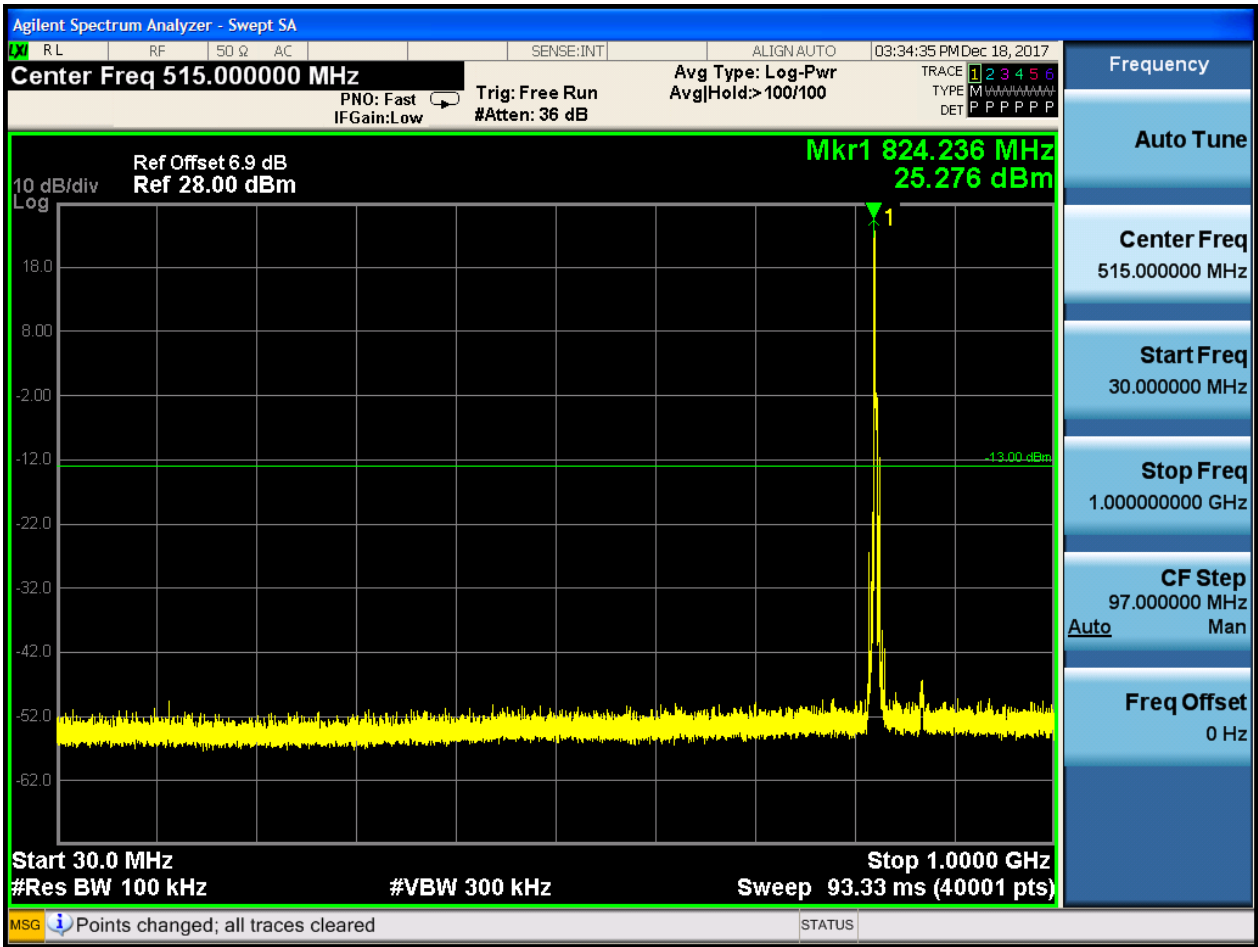
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





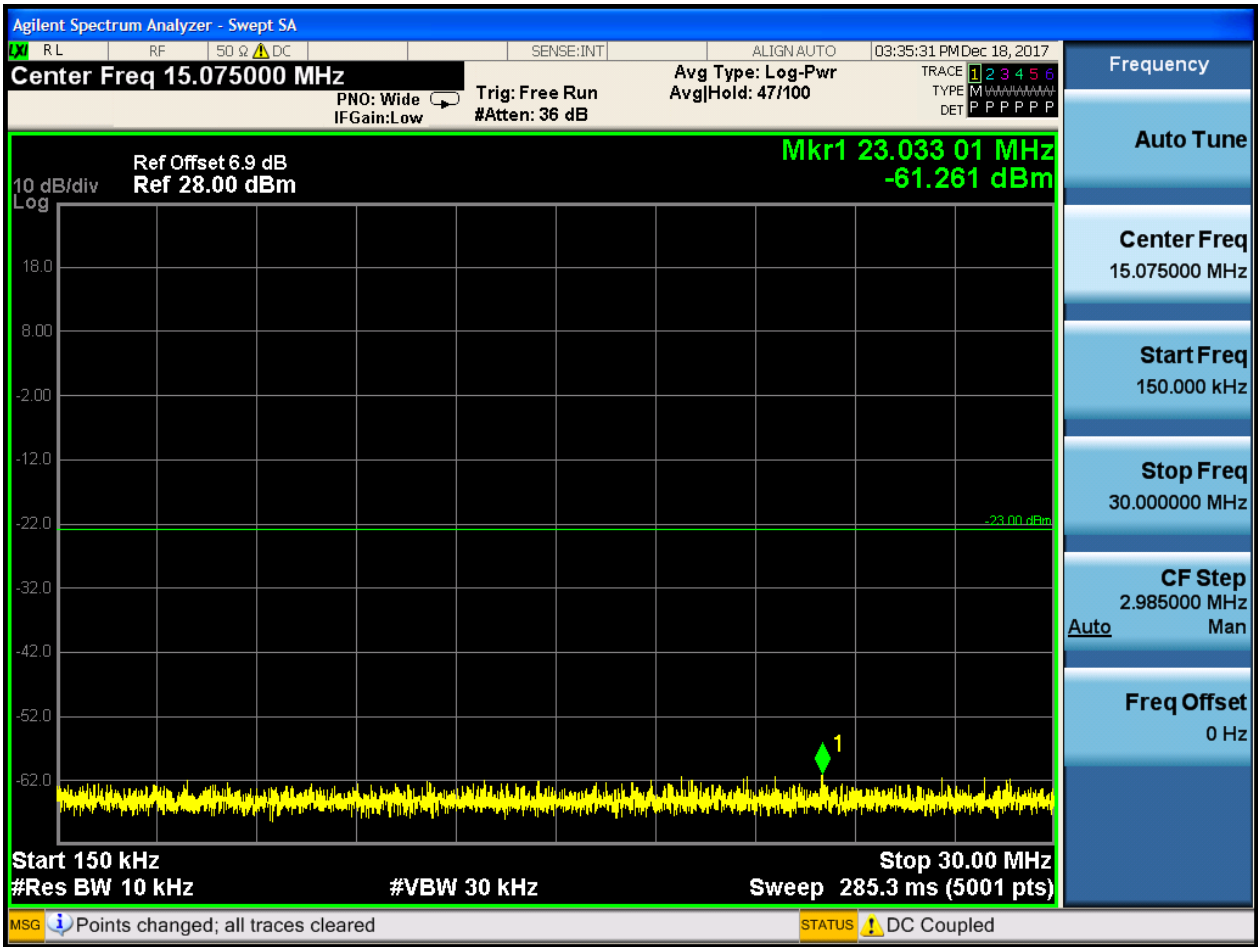




6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0

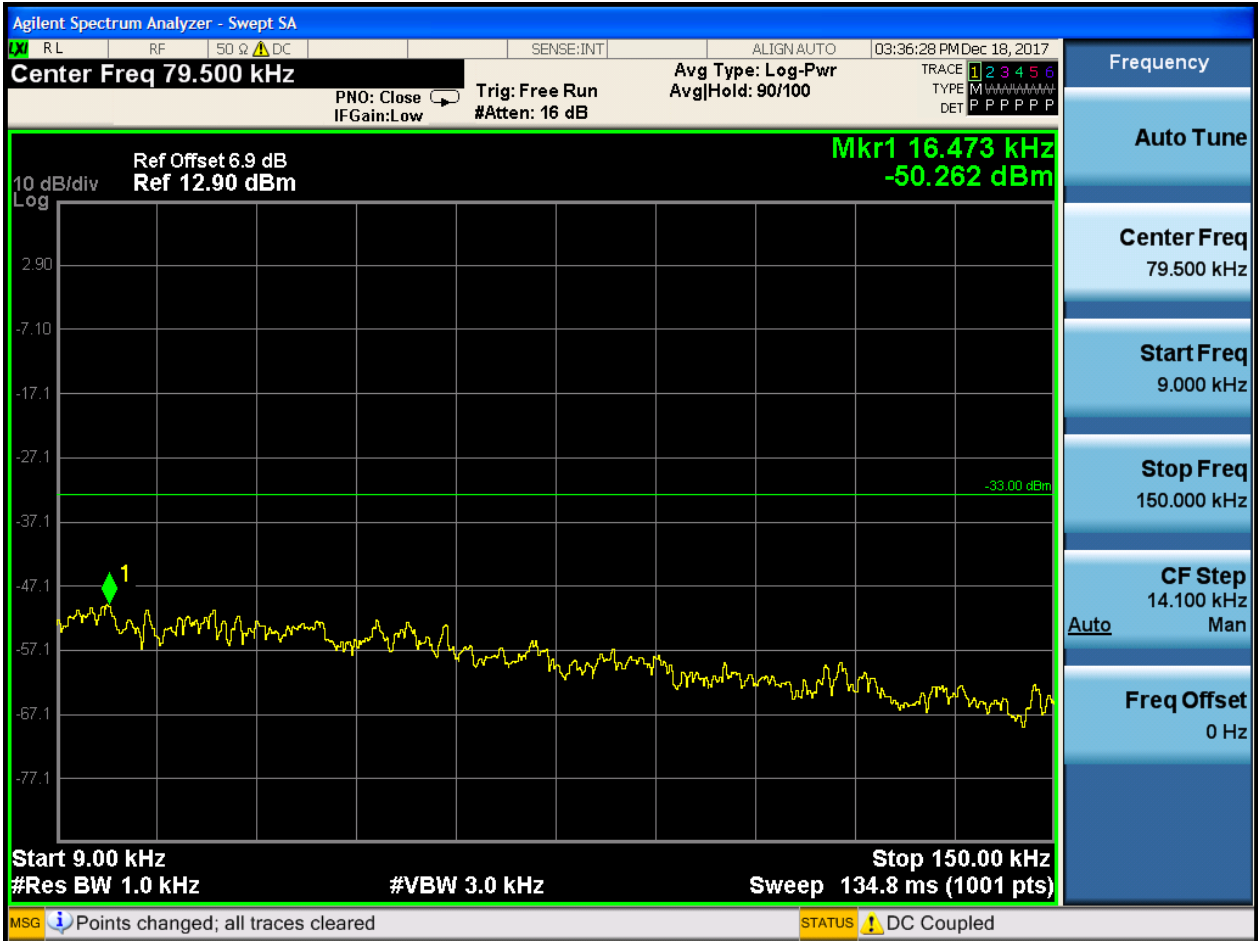


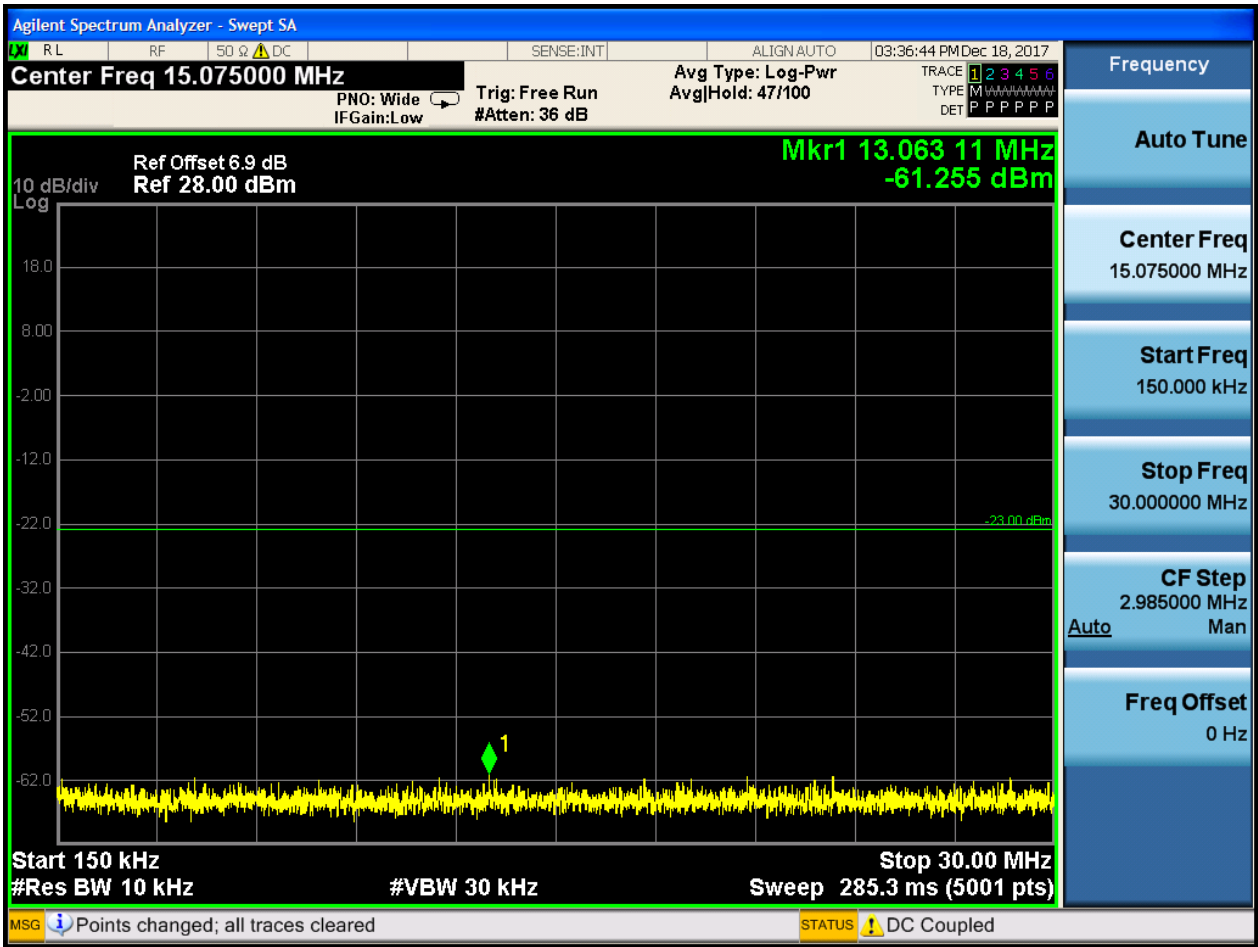


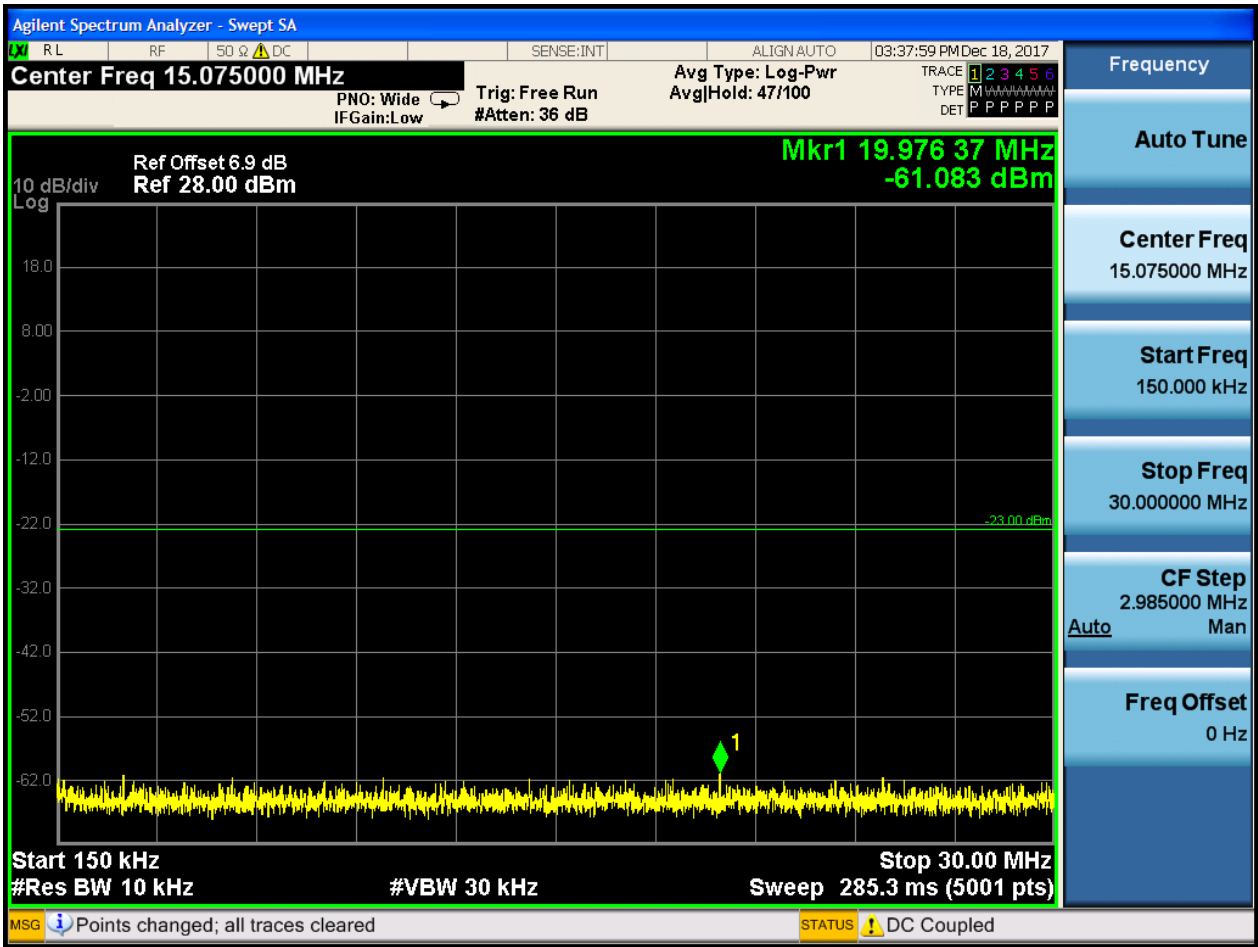


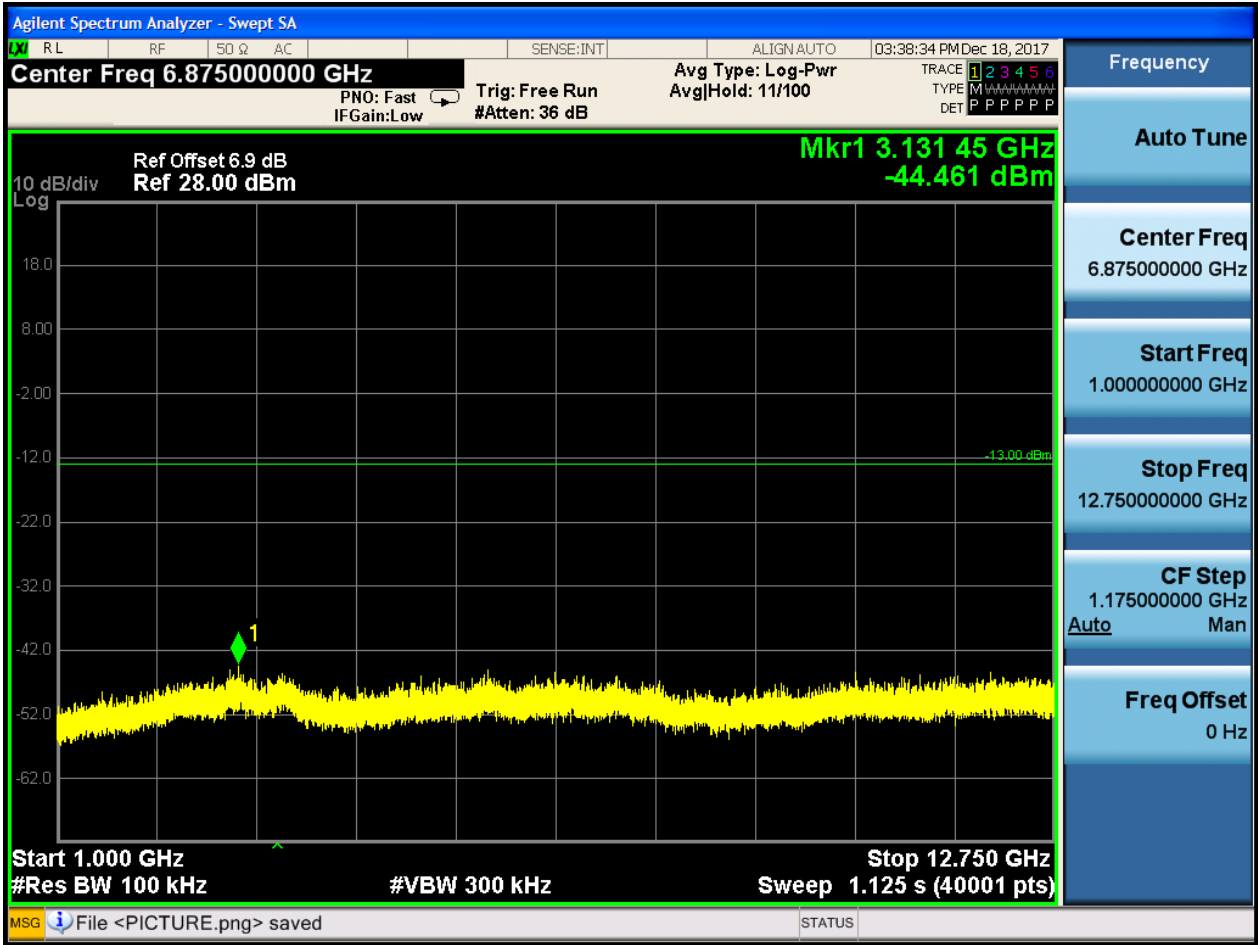
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





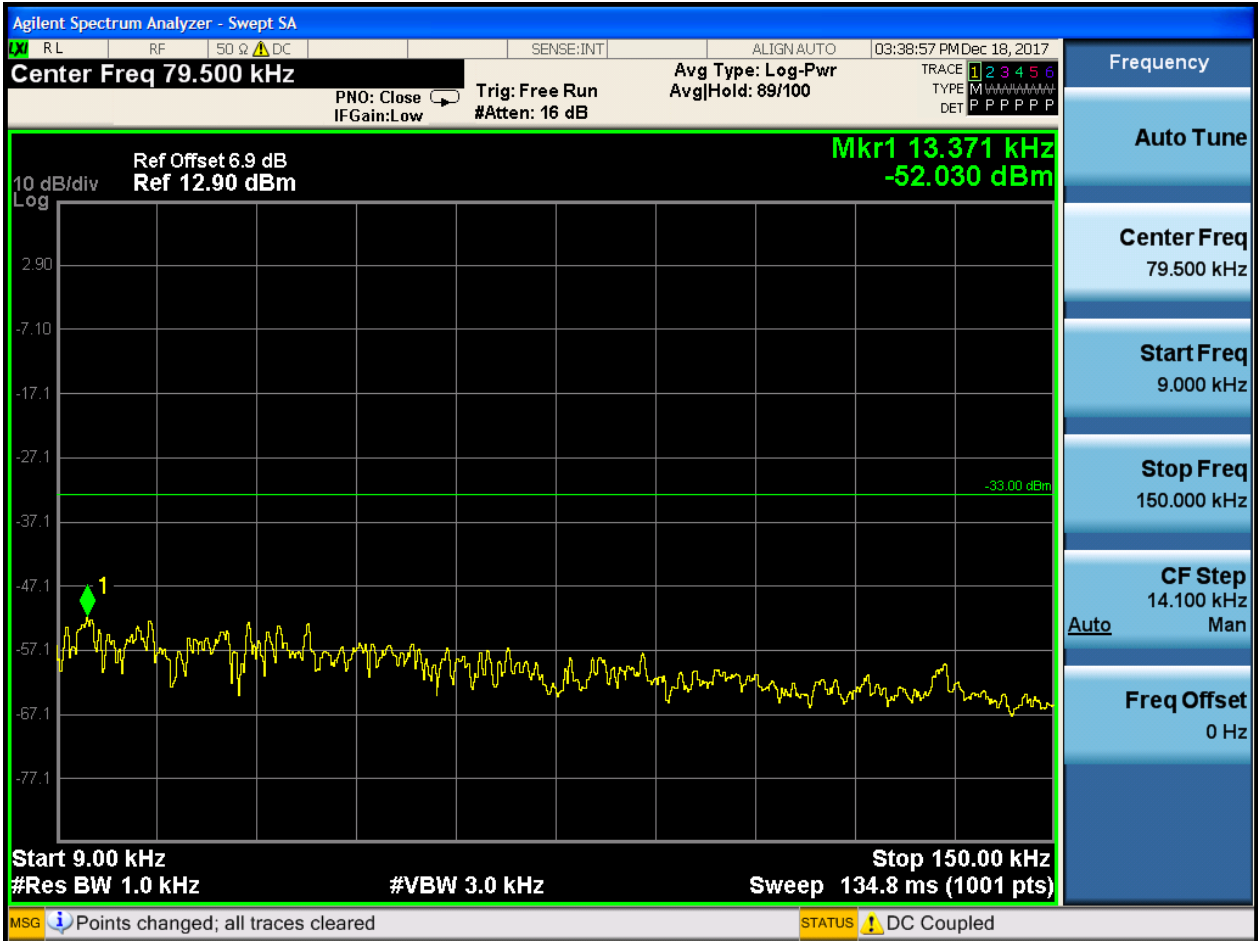


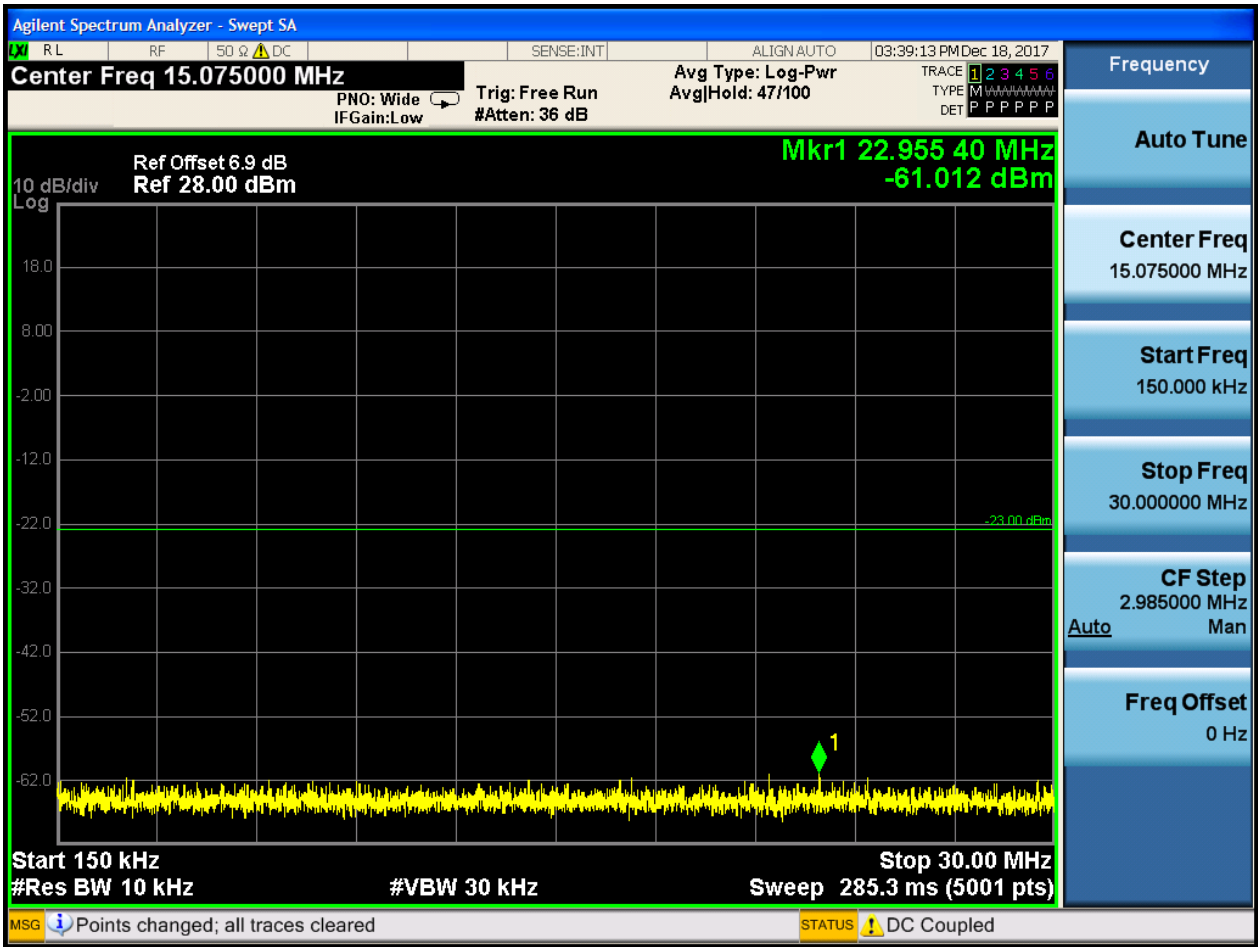


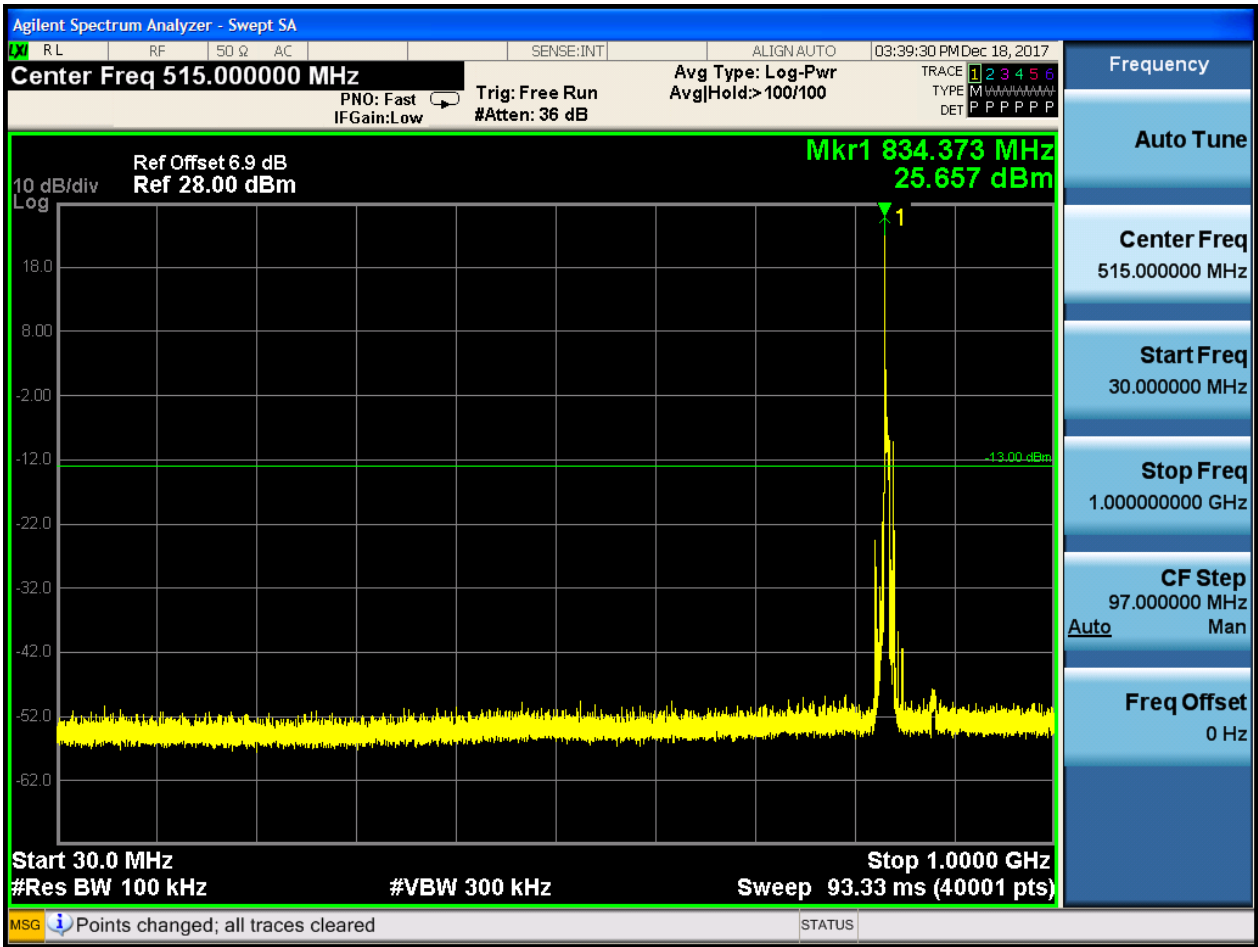


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





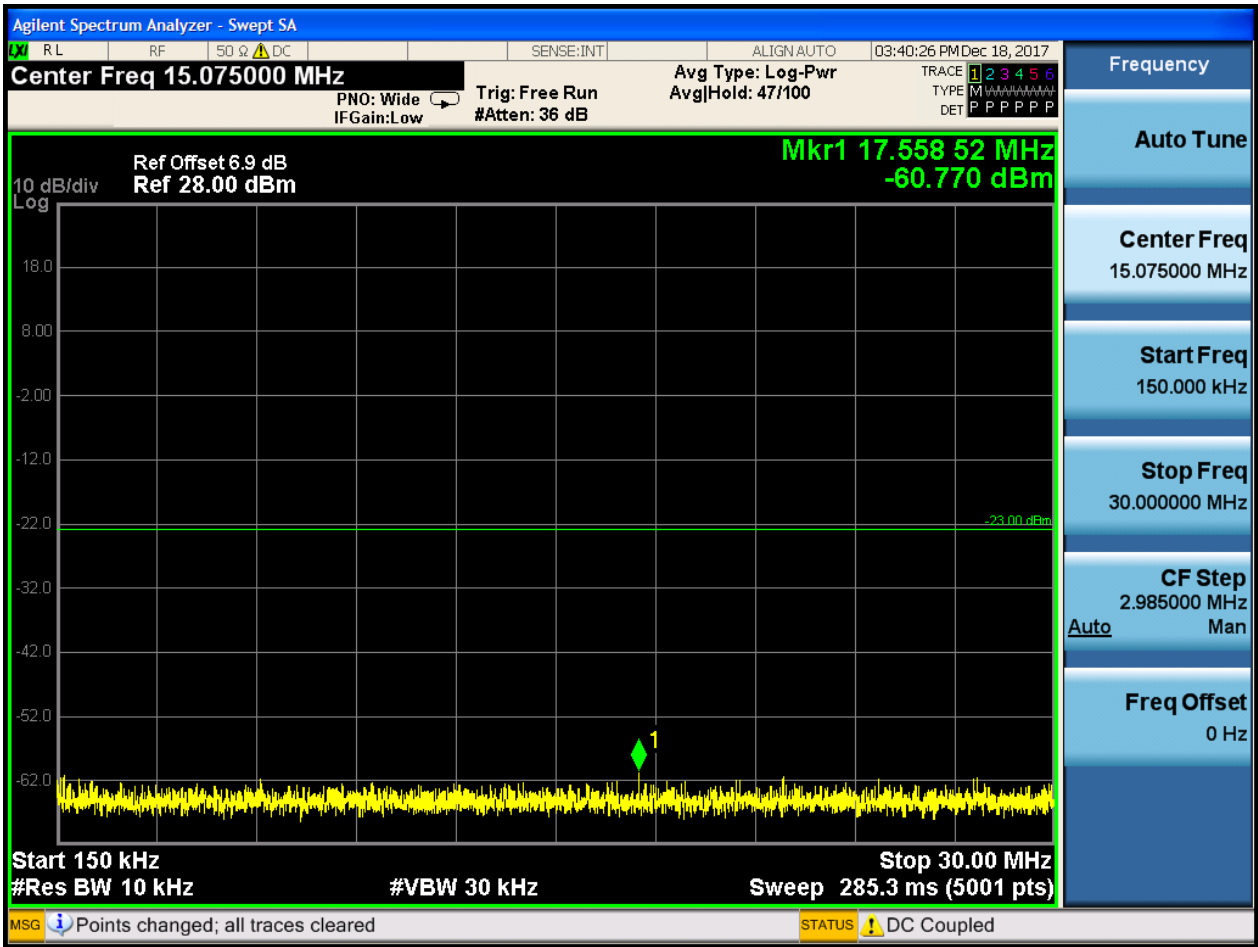


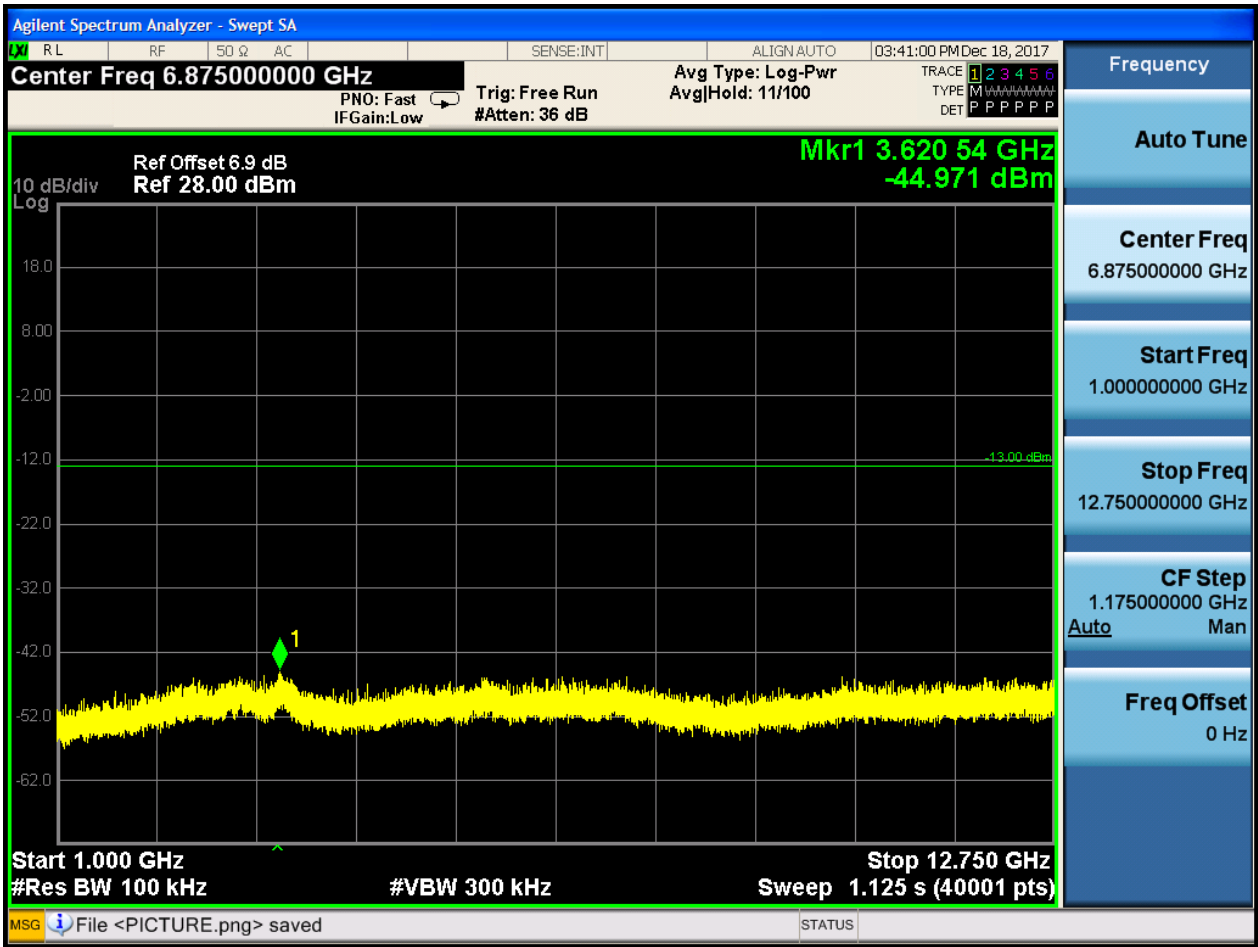


6.1.1.2.3.3 Test Channel = HCH

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

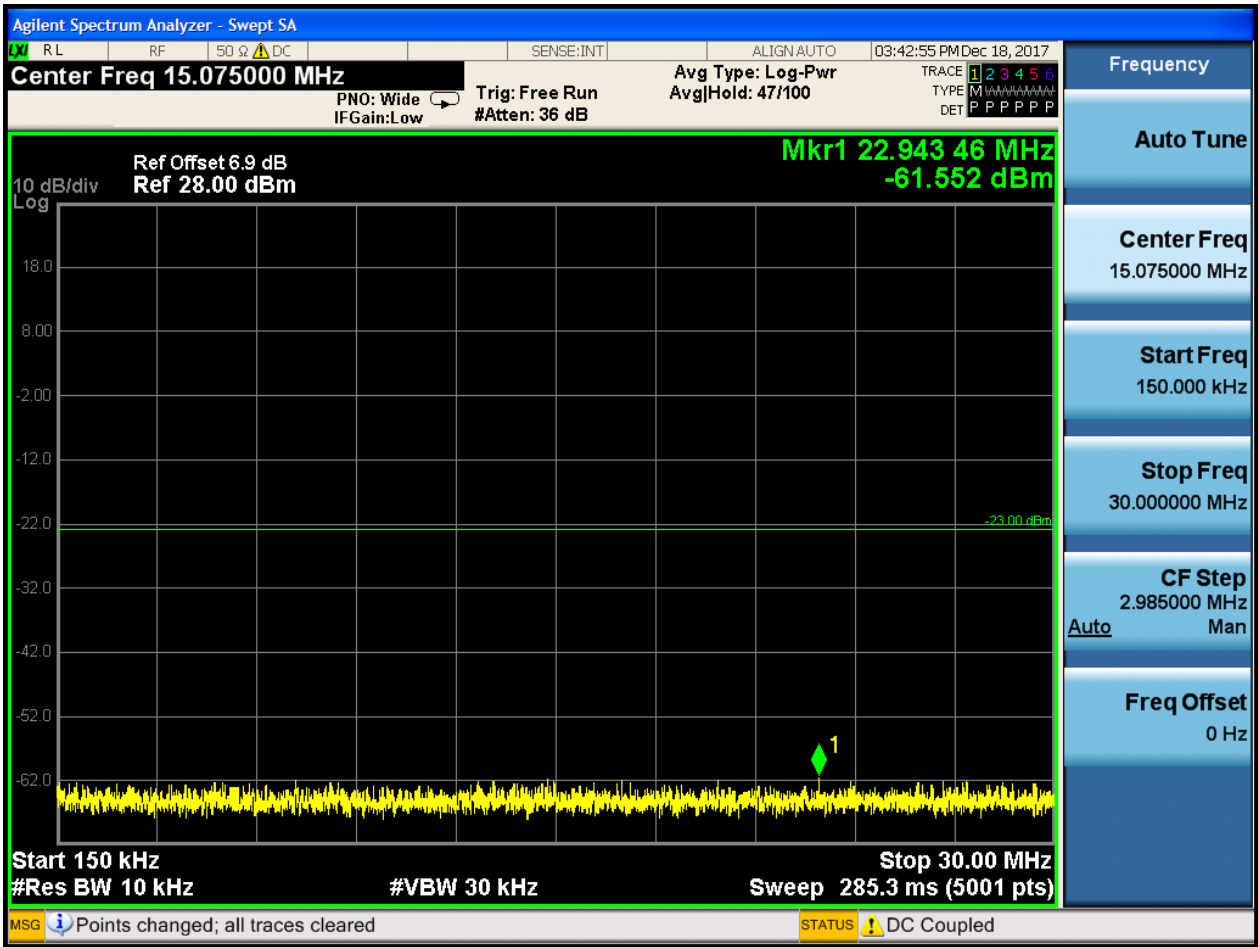


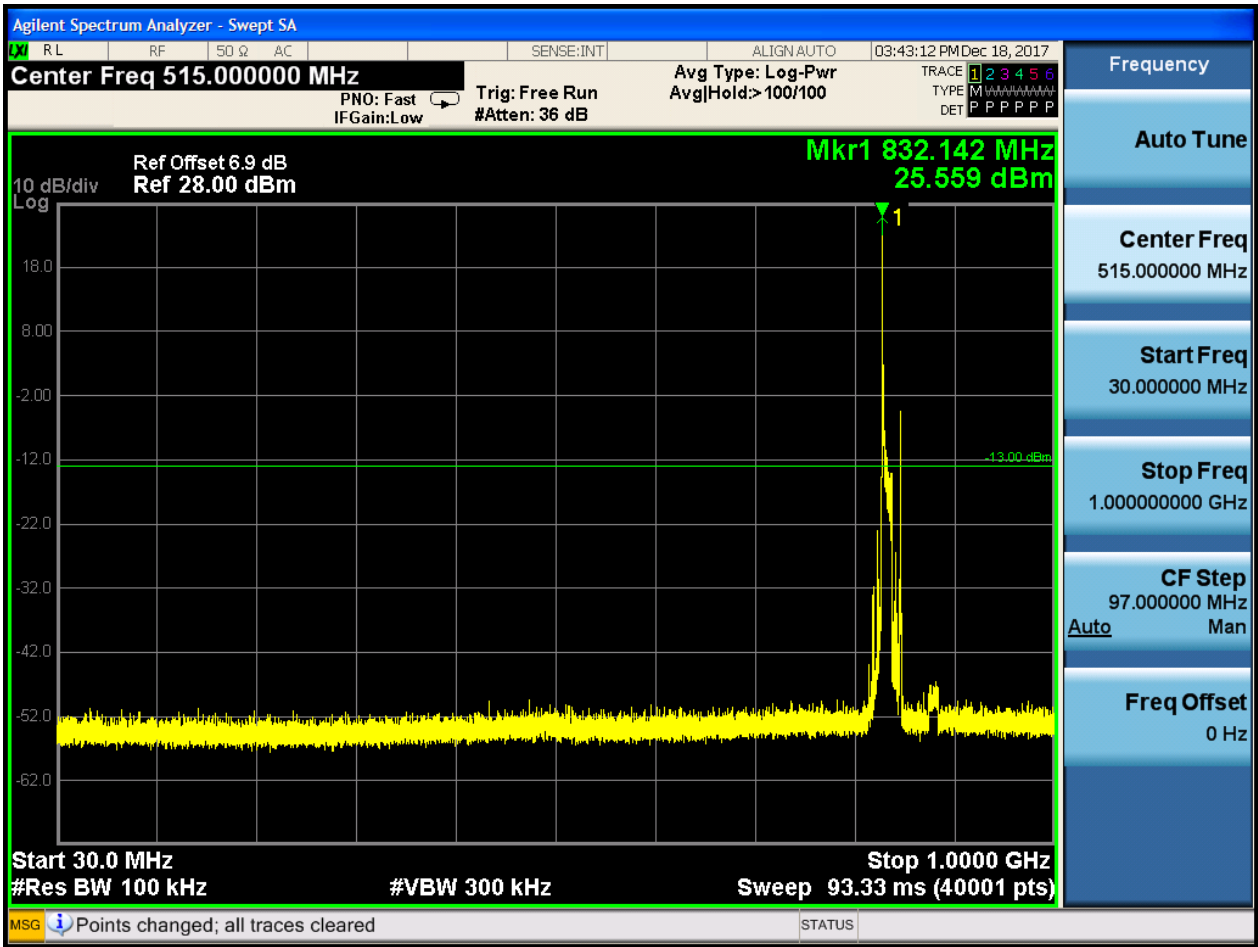


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





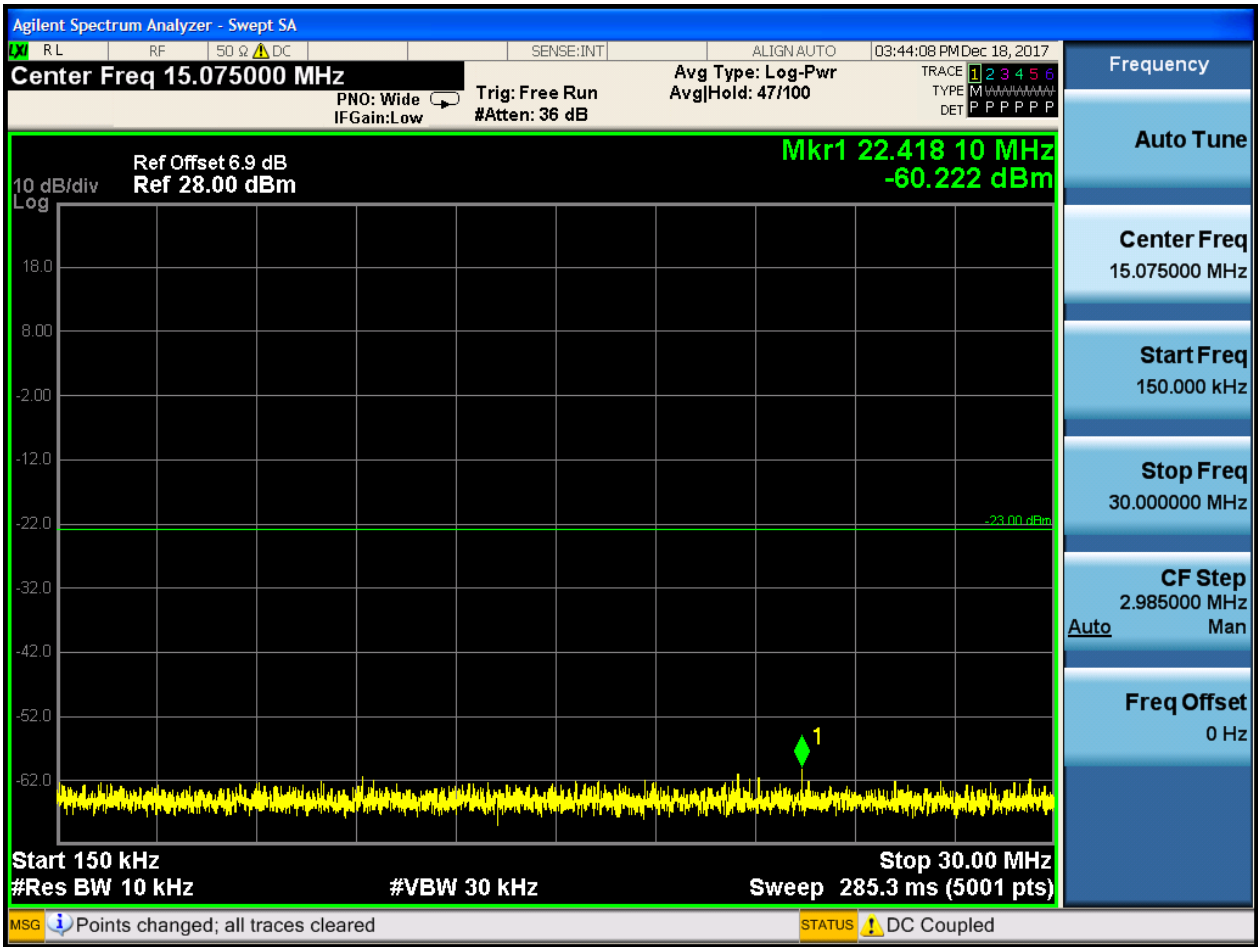


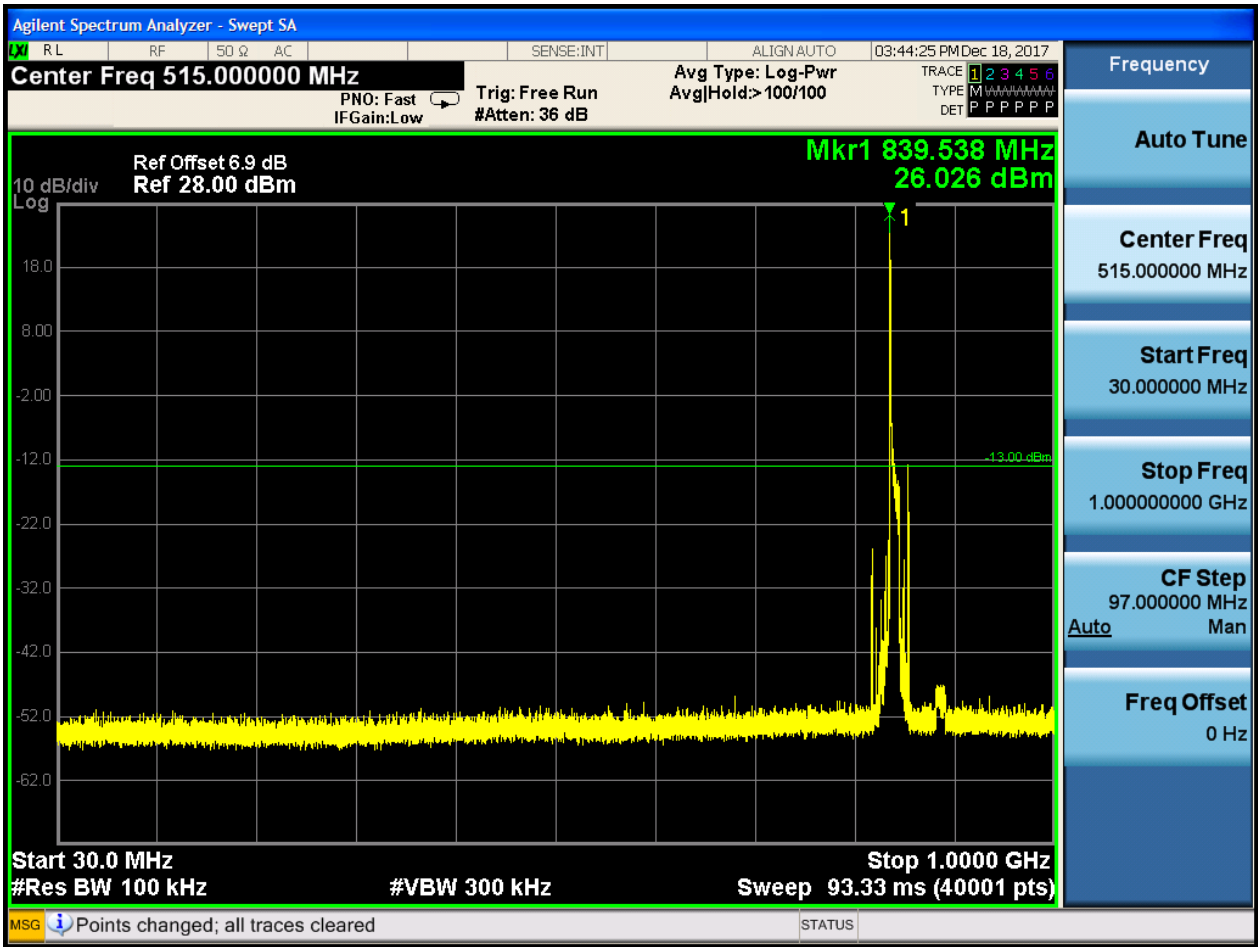


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 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

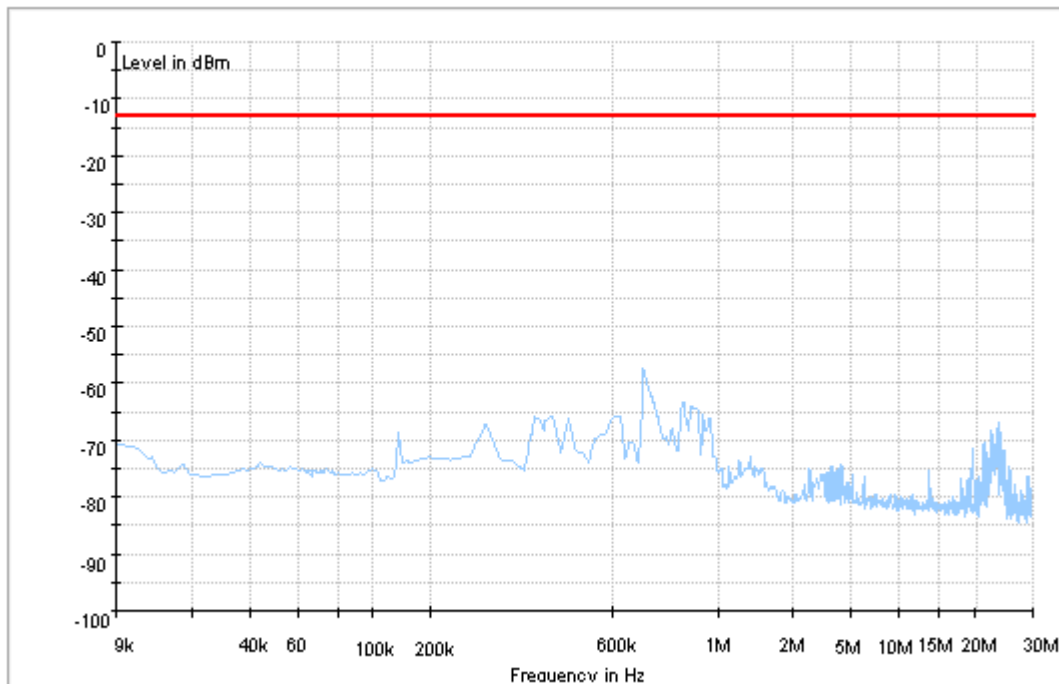
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

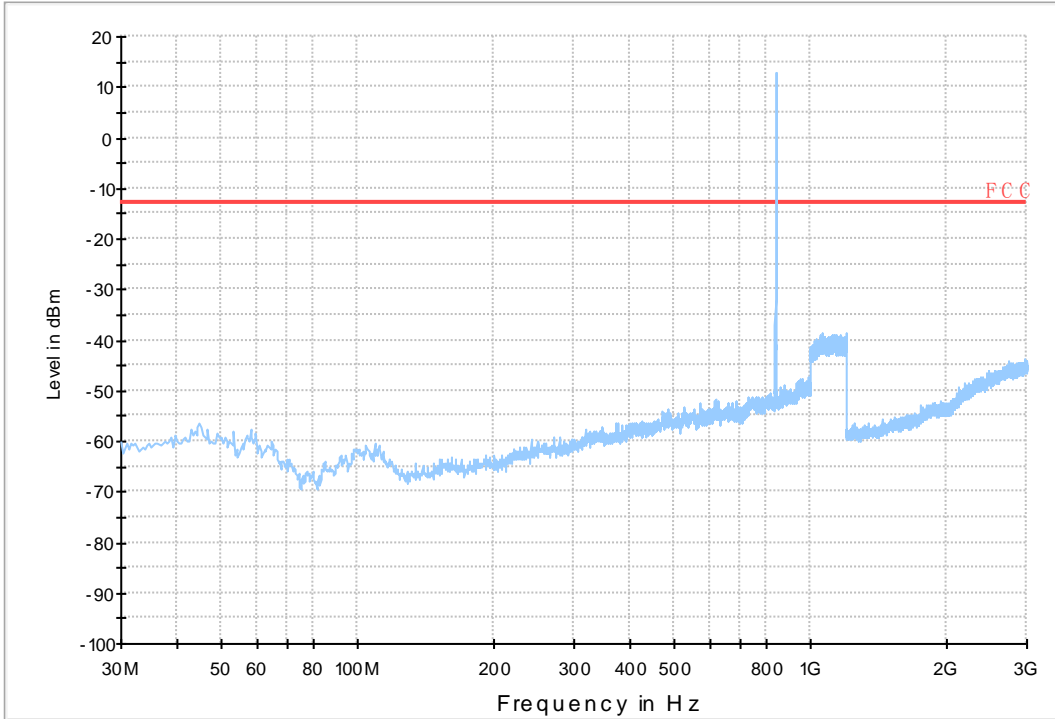
7.1 For LTE

7.1.1 Test Band = BAND5_ANT1

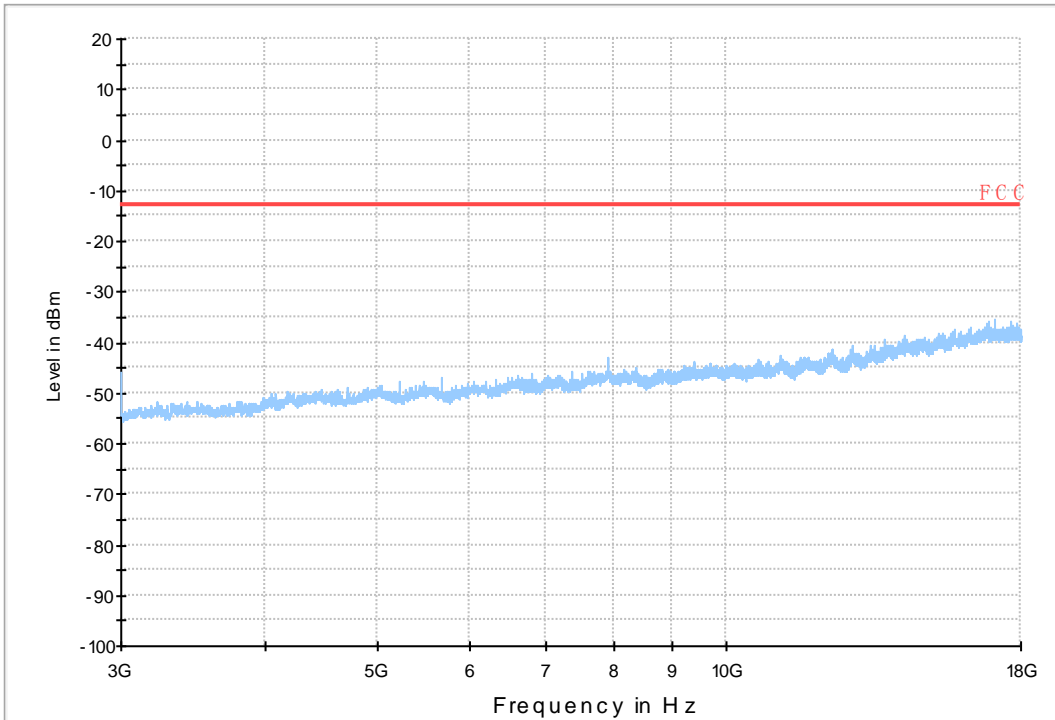
7.1.1.1 Test Bandwidth = 1.4



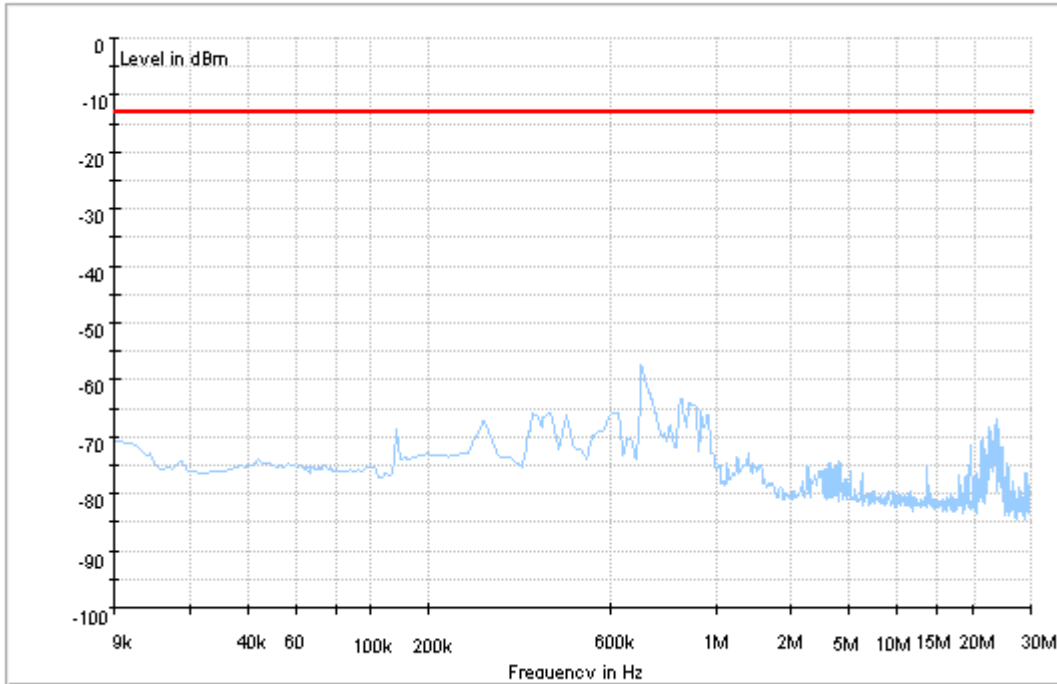
Copy of RSE-TX-DIRECTOR BELOW 1G_L



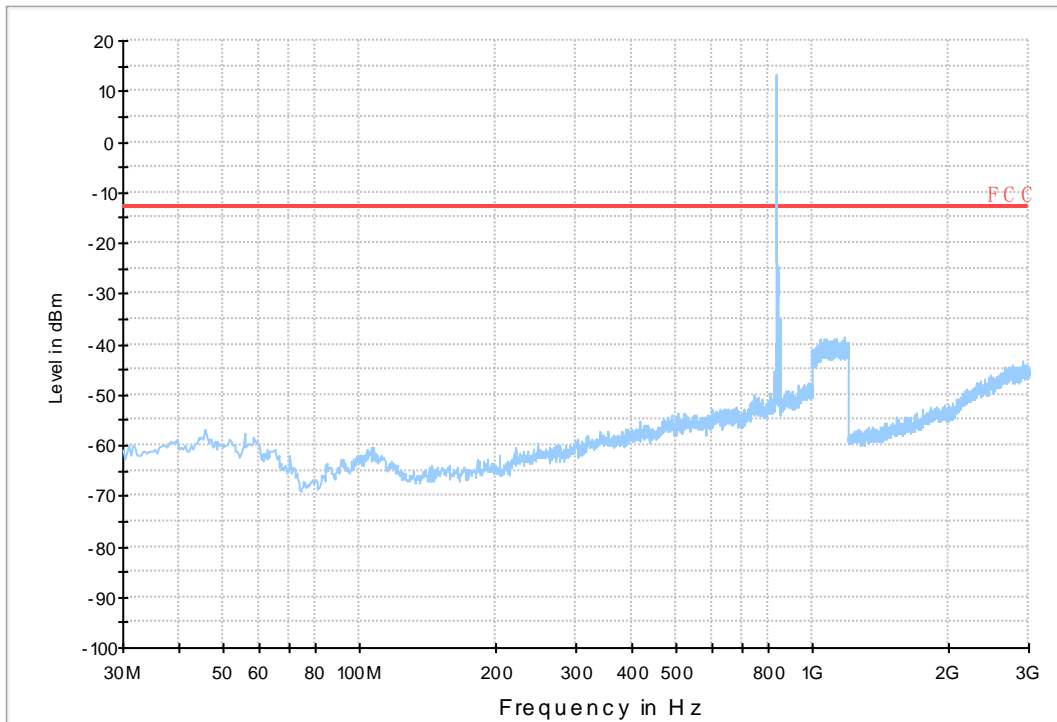
Copy of RSE-TX-DIRECTOR BELOW 1G_H



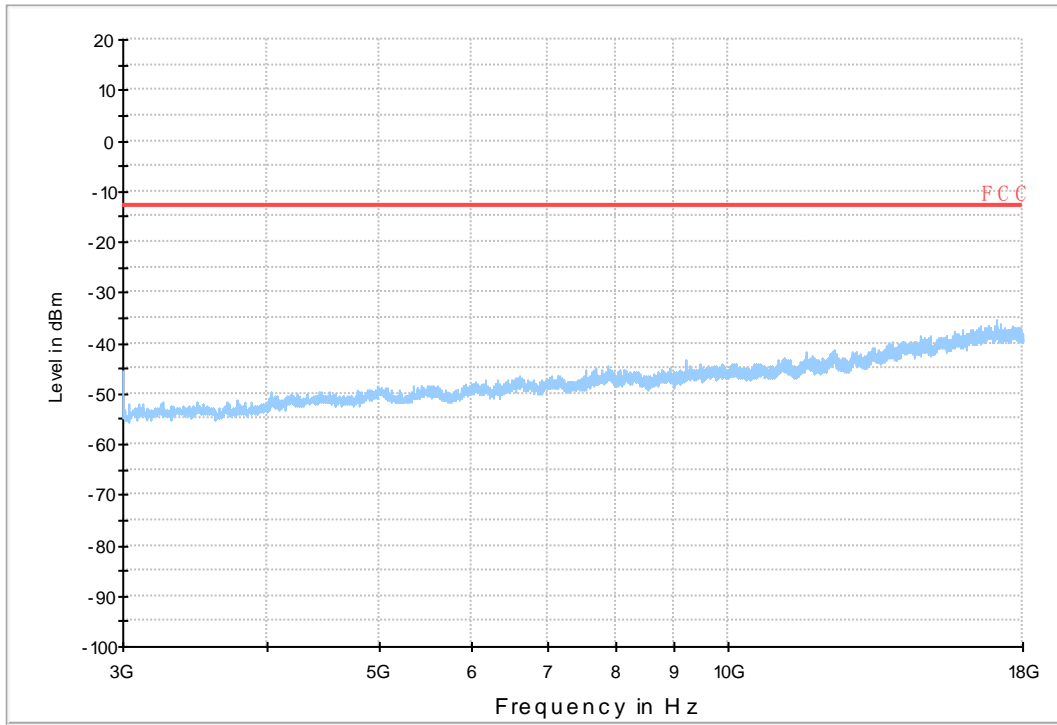
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

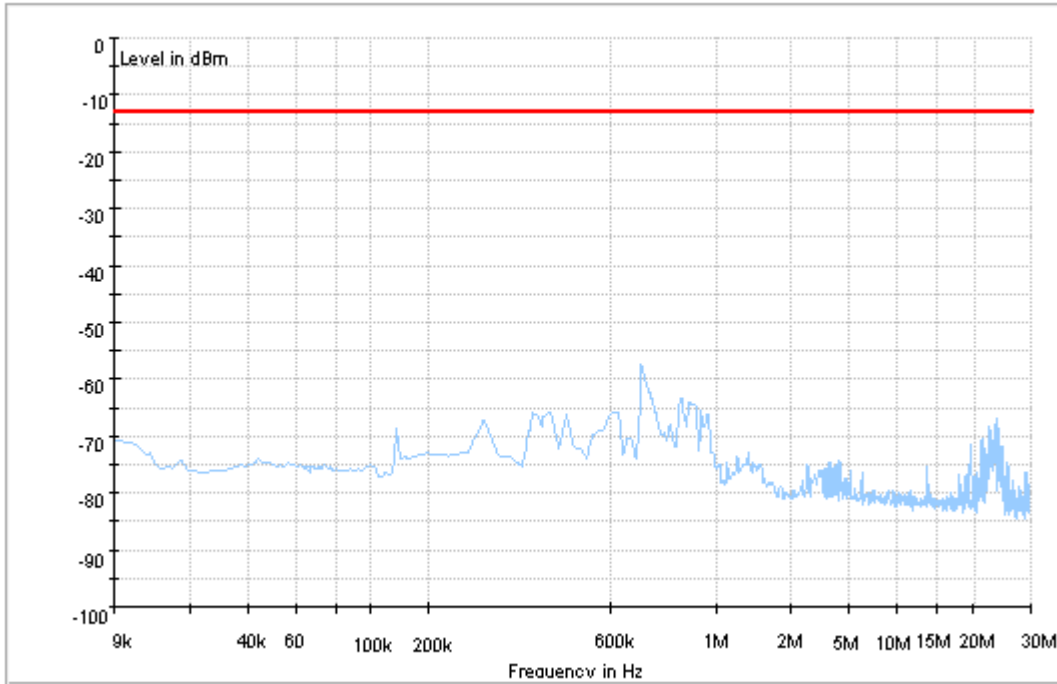


Copy of RSE-TX-DIRECTOR BELOW 1G_H

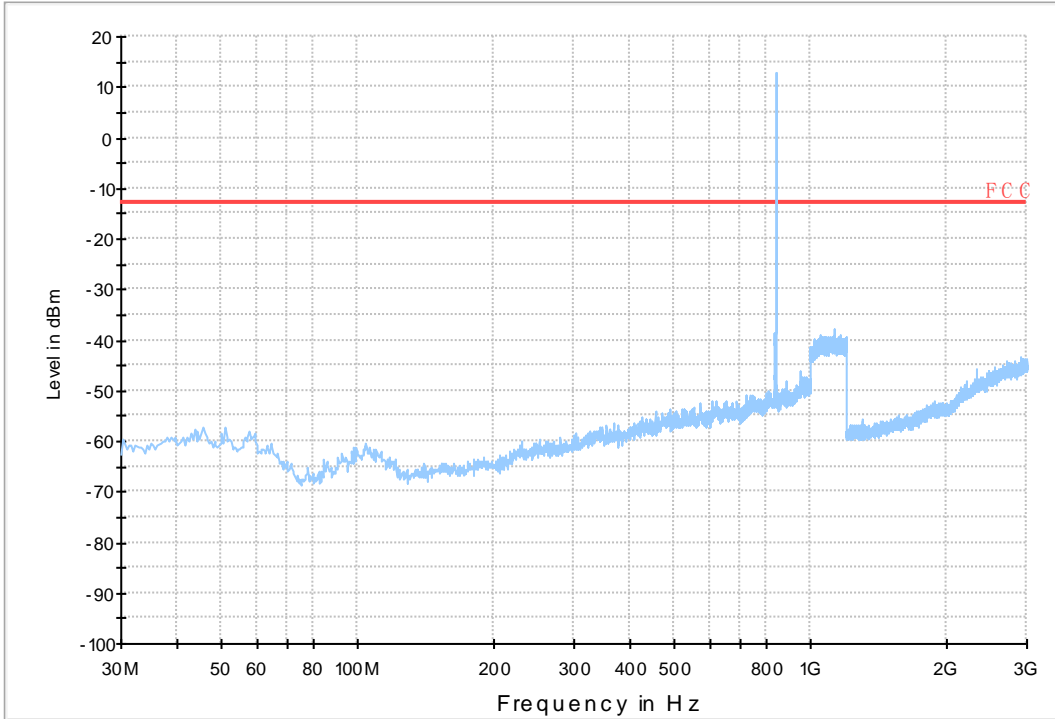


7.1.2 Test Band = BAND5_ANT2

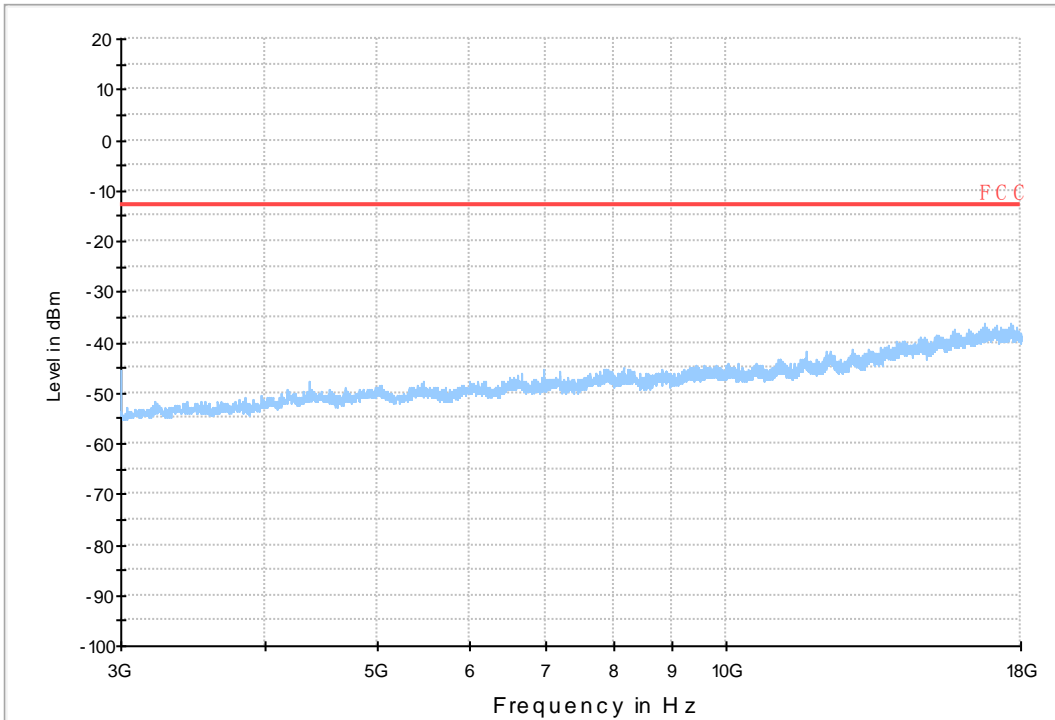
7.1.2.1 Test Bandwidth = 1.4



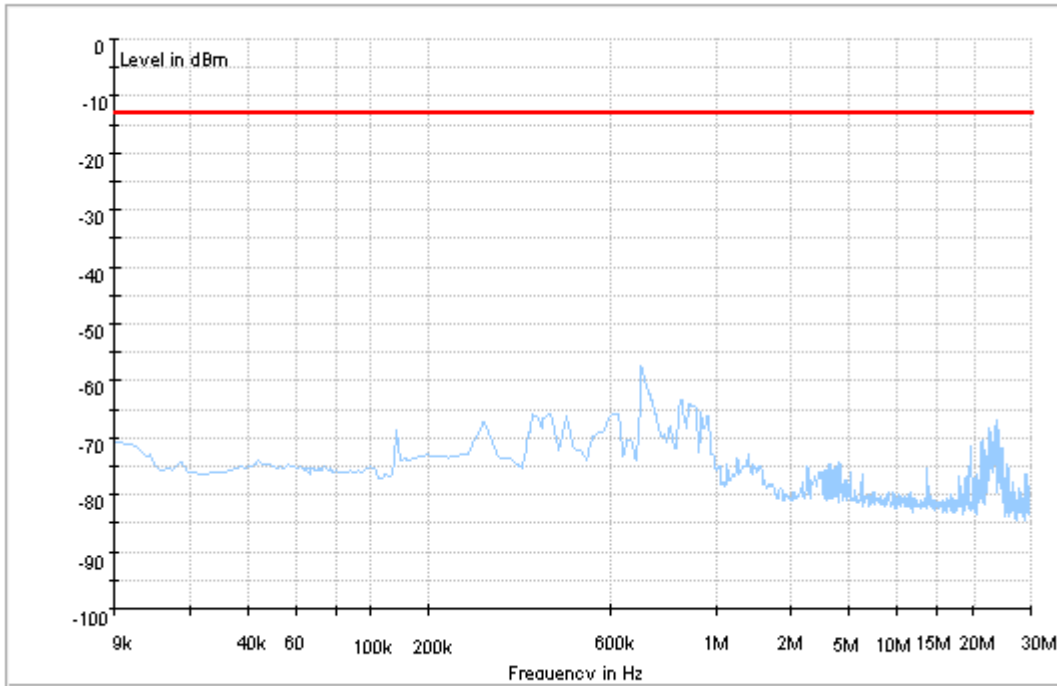
Copy of RSE-TX-DIRECTOR BELOW 1G_L



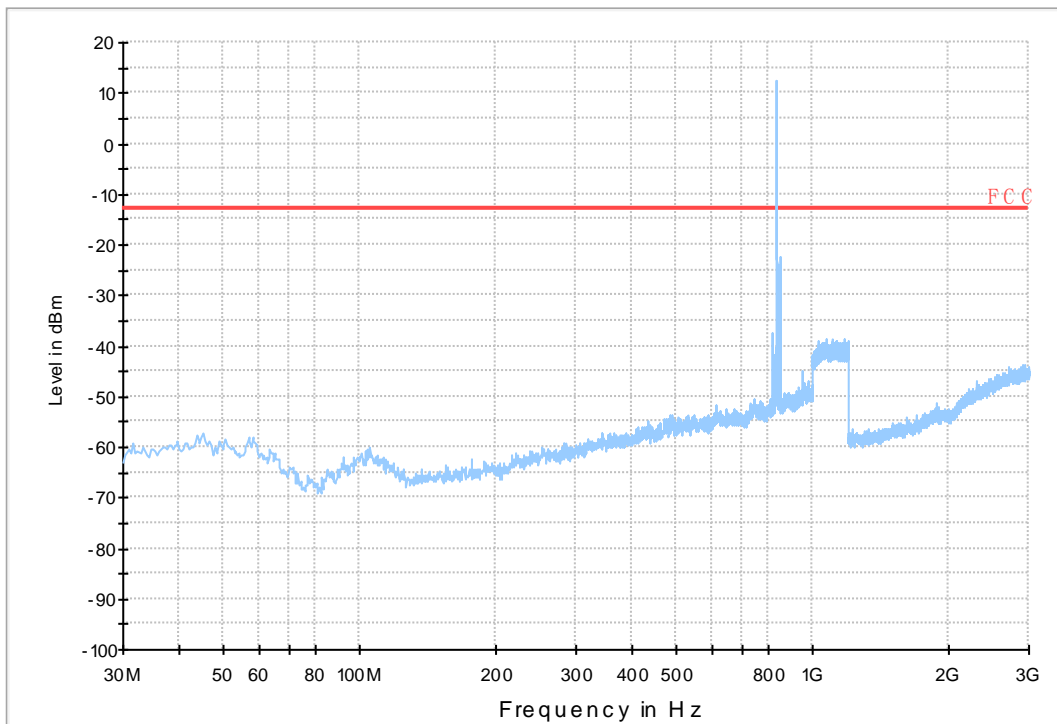
Copy of RSE-TX-DIRECTOR BELOW 1G_H



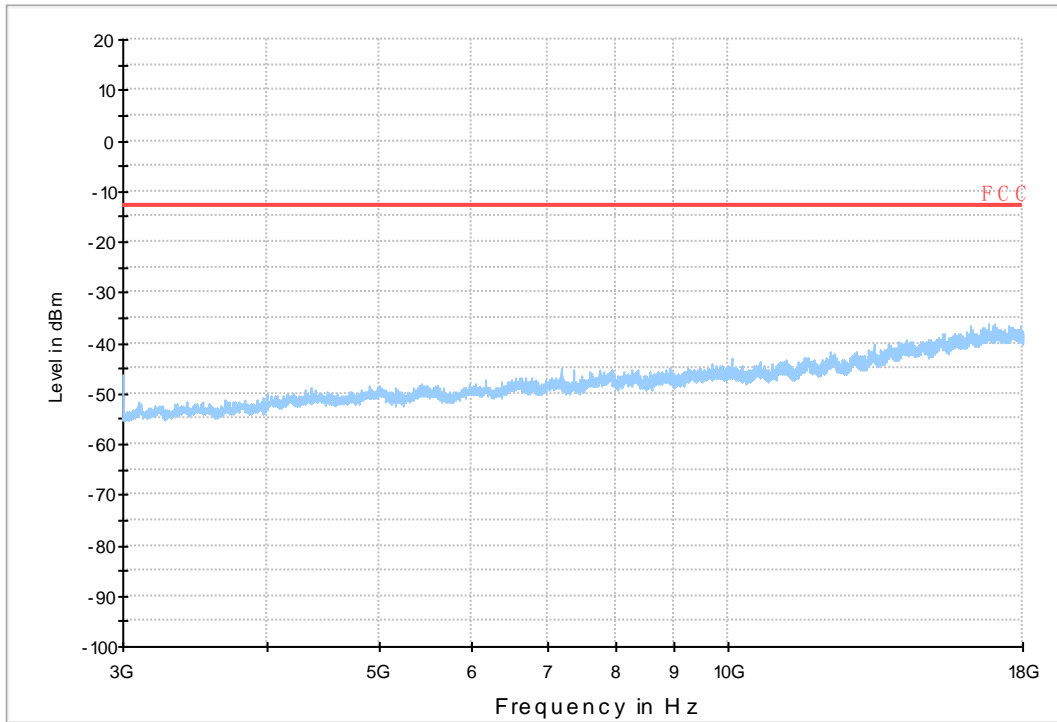
7.1.2.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of 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
BAND5	LTE/TM1	1.4	LCH	TN	VL	-3.36	-0.00407	PASS
					VN	-8.83	-0.01071	PASS
					VH	1.4	0.0017	PASS
			MCH	TN	VL	-6.04	-0.00722	PASS
					VN	1.32	0.00158	PASS
					VH	-3.46	-0.00414	PASS
			HCH	TN	VL	2.66	0.00314	PASS
					VN	-17.6	-0.02075	PASS
					VH	-16.59	-0.01956	PASS
		3	LCH	TN	VL	0.5	0.00061	PASS
					VN	5.26	0.00637	PASS
					VH	1.42	0.00172	PASS
			MCH	TN	VL	-2.05	-0.00245	PASS
					VN	-3.15	-0.00377	PASS
					VH	-8.61	-0.01029	PASS
			HCH	TN	VL	-1.1	-0.0013	PASS
					VN	-9.07	-0.0107	PASS
					VH	-2.98	-0.00352	PASS
		5	LCH	TN	VL	-0.01	-0.00001	PASS
					VN	-5.05	-0.00611	PASS
					VH	-3.28	-0.00397	PASS
			MCH	TN	VL	0.26	0.00031	PASS
					VN	-3.78	-0.00452	PASS
					VH	-0.04	-0.00005	PASS
			HCH	TN	VL	-2.13	-0.00252	PASS
					VN	-5.91	-0.00698	PASS
					VH	-3.13	-0.0037	PASS
		10	LCH	TN	VL	-11.66	-0.01407	PASS
					VN	-8.54	-0.0103	PASS



LTE/TM2	1.4	MCH	TN	VH	-2.42	-0.00292	PASS
				VL	-0.66	-0.00079	PASS
				VN	-5.69	-0.0068	PASS
		HCH	TN	VH	-6.75	-0.00807	PASS
				VL	2.6	0.00308	PASS
				VN	-6.12	-0.00725	PASS
		LCH	TN	VH	-4.95	-0.00586	PASS
				VL	0.17	0.00021	PASS
				VN	-0.69	-0.00084	PASS
		MCH	TN	VH	0.56	0.00068	PASS
				VL	-8.88	-0.01062	PASS
				VN	8.63	0.01032	PASS
	HCH	TN	VH	-15.58	-0.01863	PASS	
			VL	-12.2	-0.01438	PASS	
			VN	-15.99	-0.01885	PASS	
	LCH	TN	VH	-7.58	-0.00894	PASS	
			VL	4.03	0.00488	PASS	
			VN	0.09	0.00011	PASS	
	MCH	TN	VH	-3.32	-0.00402	PASS	
			VL	-8.47	-0.01013	PASS	
			VN	-5.41	-0.00647	PASS	
	HCH	TN	VH	-7	-0.00837	PASS	
			VL	3.5	0.00413	PASS	
			VN	6.17	0.00728	PASS	
	LCH	TN	VH	0.9	0.00106	PASS	
			VL	1.49	0.0018	PASS	
			VN	-0.34	-0.00041	PASS	
	MCH	TN	VH	0.9	0.00109	PASS	
			VL	0.13	0.00016	PASS	
			VN	2.47	0.00295	PASS	
	HCH	TN	VH	-4.62	-0.00552	PASS	
			VL	-1.86	-0.0022	PASS	
			VN	0.62	0.00073	PASS	
	LCH	TN	VH	2.19	0.00259	PASS	
			VL	-10.23	-0.01234	PASS	
			VN	2.99	0.00361	PASS	
	MCH	TN	VH	-5.58	-0.00673	PASS	
			VL	-13.88	-0.01659	PASS	
			VN	-6.34	-0.00758	PASS	
	HCH	TN	VH	-10	-0.01195	PASS	
VL			-3.53	-0.00418	PASS		
VN							



					VN	-7.27	-0.00861	PASS
					VH	-6.54	-0.00775	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
BAND5	LTE/TM1	1.4	LCH	VN	-30	0.93	0.00113	PASS
					-20	1.77	0.00215	PASS
					-10	-4.45	-0.0054	PASS
					0	-0.24	-0.00029	PASS
					10	1.52	0.00184	PASS
					20	2.16	0.00262	PASS
					30	1.99	0.00241	PASS
					40	1.2	0.00146	PASS
					50	4.01	0.00486	PASS
			MCH	VN	-30	-0.09	-0.00011	PASS
					-20	3.6	0.0043	PASS
					-10	-4.49	-0.00537	PASS
					0	-2.72	-0.00325	PASS
					10	6.91	0.00826	PASS
					20	7.48	0.00894	PASS
					30	-15.36	-0.01836	PASS
					40	-5.42	-0.00648	PASS
					50	-5.79	-0.00692	PASS
		HCH	VN	-30	0.89	0.00105	PASS	
				-20	-7.27	-0.00857	PASS	
				-10	-3.38	-0.00398	PASS	
				0	-11.06	-0.01304	PASS	
				10	0.67	0.00079	PASS	
				20	12.97	0.01529	PASS	
				30	3.05	0.0036	PASS	
				40	5.48	0.00646	PASS	
				50	5.76	0.00679	PASS	
		3	LCH	VN	-30	-1.39	-0.00168	PASS
					-20	0.33	0.0004	PASS
					-10	7.71	0.00934	PASS
0	0.11				0.00013	PASS		
10	7.61				0.00922	PASS		

					20	2.05	0.00248	PASS		
					30	0.03	0.00004	PASS		
					40	2.07	0.00251	PASS		
					50	0.44	0.00053	PASS		
			MCH	VN	-30	-2.23	-0.00267	PASS		
					-20	-0.43	-0.00051	PASS		
					-10	9.91	0.01185	PASS		
					0	2.32	0.00277	PASS		
					10	0.5	0.0006	PASS		
					20	1.79	0.00214	PASS		
					30	15.62	0.01867	PASS		
					40	2.02	0.00241	PASS		
					50	-5.49	-0.00656	PASS		
					HCH	VN	-30	-3.49	-0.00412	PASS
							-20	7.42	0.00876	PASS
							-10	-0.83	-0.00098	PASS
			0	5.68			0.0067	PASS		
			10	-1.7			-0.00201	PASS		
			20	-3.85			-0.00454	PASS		
			30	-0.67			-0.00079	PASS		
			40	-3.53			-0.00417	PASS		
			5	LCH	VN	-30	-1.02	-0.00123	PASS	
						-20	4.58	0.00554	PASS	
						-10	-1.97	-0.00238	PASS	
						0	-0.8	-0.00097	PASS	
						10	-7.24	-0.00876	PASS	
						20	7.58	0.00917	PASS	
						30	-4.23	-0.00512	PASS	
						40	-2.22	-0.00269	PASS	
				MCH	VN	-30	7.2	0.00861	PASS	
						-20	-3.48	-0.00416	PASS	
						-10	-2.22	-0.00265	PASS	
						0	-10.03	-0.01199	PASS	
						10	22.96	0.02745	PASS	
						20	5.42	0.00648	PASS	
						30	16.44	0.01965	PASS	
						40	-0.27	-0.00032	PASS	
			HCH	VN	-30	0.36	0.00043	PASS		
					50	-0.76	-0.00091	PASS		

					-20	1.33	0.00157	PASS
					-10	-0.14	-0.00017	PASS
					0	-4.26	-0.00503	PASS
					10	-5.81	-0.00686	PASS
					20	-9.93	-0.01173	PASS
					30	1.79	0.00211	PASS
					40	3.36	0.00397	PASS
					50	-3.88	-0.00458	PASS
		10	LCH	VN	-30	-17.17	-0.02071	PASS
					-20	-9.53	-0.0115	PASS
					-10	-3.56	-0.00429	PASS
					0	7.14	0.00861	PASS
					10	-7.37	-0.00889	PASS
					20	7.8	0.00941	PASS
					30	-6.62	-0.00799	PASS
					40	8.6	0.01037	PASS
			50	14.58	0.01759	PASS		
			MCH	VN	-30	-5.21	-0.00623	PASS
					-20	-7.02	-0.00839	PASS
					-10	-5.44	-0.0065	PASS
					0	-0.99	-0.00118	PASS
					10	1.8	0.00215	PASS
					20	0.72	0.00086	PASS
					30	-8.87	-0.0106	PASS
					40	-1.09	-0.0013	PASS
			50	-6.91	-0.00826	PASS		
			HCH	VN	-30	-7.84	-0.00929	PASS
					-20	-9.31	-0.01103	PASS
					-10	-8.33	-0.00987	PASS
					0	-5.61	-0.00665	PASS
					10	-10.93	-0.01295	PASS
					20	-11.32	-0.01341	PASS
		30			-7.08	-0.00839	PASS	
		40			-5.66	-0.00671	PASS	
		50	-1.29	-0.00153	PASS			
LTE/TM2	1.4	LCH	VN	-30	8.41	0.0102	PASS	
				-20	-11.54	-0.01399	PASS	
				-10	0.87	0.00105	PASS	
				0	-0.79	-0.00096	PASS	
				10	-4.99	-0.00605	PASS	
				20	0.27	0.00033	PASS	

			MCH	VN	30	-0.44	-0.00053	PASS
					40	-0.4	-0.00049	PASS
					50	-3.93	-0.00477	PASS
					-30	-1.32	-0.00158	PASS
					-20	6.52	0.00779	PASS
					-10	-6.11	-0.0073	PASS
					0	-5.42	-0.00648	PASS
					10	4.26	0.00509	PASS
					20	5.05	0.00604	PASS
					30	0.5	0.0006	PASS
					40	-24.13	-0.02885	PASS
					50	7.3	0.00873	PASS
			HCH	VN	-30	14.61	0.01722	PASS
					-20	19.68	0.0232	PASS
					-10	-10.07	-0.01187	PASS
					0	30.84	0.03636	PASS
					10	-2.98	-0.00351	PASS
					20	8.65	0.0102	PASS
					30	3.89	0.00459	PASS
					40	-4.42	-0.00521	PASS
			LCH	VN	50	8.03	0.00947	PASS
					-30	7.68	0.0093	PASS
					-20	9.94	0.01204	PASS
					-10	4.49	0.00544	PASS
					0	-9.38	-0.01136	PASS
					10	5.02	0.00608	PASS
					20	-7.08	-0.00858	PASS
					30	6.27	0.0076	PASS
					40	-0.04	-0.00005	PASS
					50	-0.07	-0.00008	PASS
			MCH	VN	-30	-3.02	-0.00361	PASS
					-20	4.72	0.00564	PASS
					-10	-3.59	-0.00429	PASS
					0	-4.23	-0.00506	PASS
					10	-0.9	-0.00108	PASS
					20	-1.79	-0.00214	PASS
					30	3.03	0.00362	PASS
					40	4.23	0.00506	PASS
					50	-2.88	-0.00344	PASS
			HCH	VN	-30	5.55	0.00655	PASS
-20	0.77	0.00091			PASS			



					-10	1.49	0.00176	PASS
					0	0.56	0.00066	PASS
					10	3.58	0.00422	PASS
					20	3	0.00354	PASS
					30	-2.42	-0.00286	PASS
					40	-0.1	-0.00012	PASS
					50	-1.1	-0.0013	PASS
		5	LCH	VN	-30	-4.45	-0.00538	PASS
					-20	2.2	0.00266	PASS
					-10	-1.89	-0.00229	PASS
					0	4.81	0.00582	PASS
					10	-1.04	-0.00126	PASS
					20	2.43	0.00294	PASS
					30	0.51	0.00062	PASS
					40	1.26	0.00152	PASS
			50	-1.13	-0.00137	PASS		
			MCH	VN	-30	4.58	0.00548	PASS
					-20	17.09	0.02043	PASS
					-10	7.22	0.00863	PASS
					0	9.61	0.01149	PASS
					10	1.53	0.00183	PASS
					20	30.34	0.03627	PASS
					30	15.26	0.01824	PASS
					40	-3.48	-0.00416	PASS
			50	0.96	0.00115	PASS		
			HCH	VN	-30	-7.22	-0.00853	PASS
					-20	-2.16	-0.00255	PASS
					-10	2.6	0.00307	PASS
					0	5.34	0.00631	PASS
					10	-0.87	-0.00103	PASS
					20	-0.14	-0.00017	PASS
		30			-2.46	-0.00291	PASS	
		40			1.14	0.00135	PASS	
		50	5.25	0.0062	PASS			
		10	LCH	VN	-30	-6.08	-0.00733	PASS
					-20	-2.42	-0.00292	PASS
					-10	7.57	0.00913	PASS
					0	-5.15	-0.00621	PASS
					10	-3.12	-0.00376	PASS
					20	2.89	0.00349	PASS
					30	-2.63	-0.00317	PASS

					40	-0.19	-0.00023	PASS
					50	2.27	0.00274	PASS
			MCH	VN	-30	-4.33	-0.00518	PASS
					-20	-3.95	-0.00472	PASS
					-10	12.42	0.01485	PASS
					0	4.78	0.00571	PASS
					10	-5.99	-0.00716	PASS
					20	-9.81	-0.01173	PASS
					30	-6.95	-0.00831	PASS
					40	-4.85	-0.0058	PASS
					50	-4.03	-0.00482	PASS
					HCH	VN	-30	-2.42
			-20	-5.72			-0.00678	PASS
			-10	-4.84			-0.00573	PASS
			0	-4.43			-0.00525	PASS
			10	-4.33			-0.00513	PASS
			20	-5.24			-0.00621	PASS
			30	-5.08			-0.00602	PASS
			40	-6.57			-0.00778	PASS
			50	-7.85	-0.0093	PASS		

END