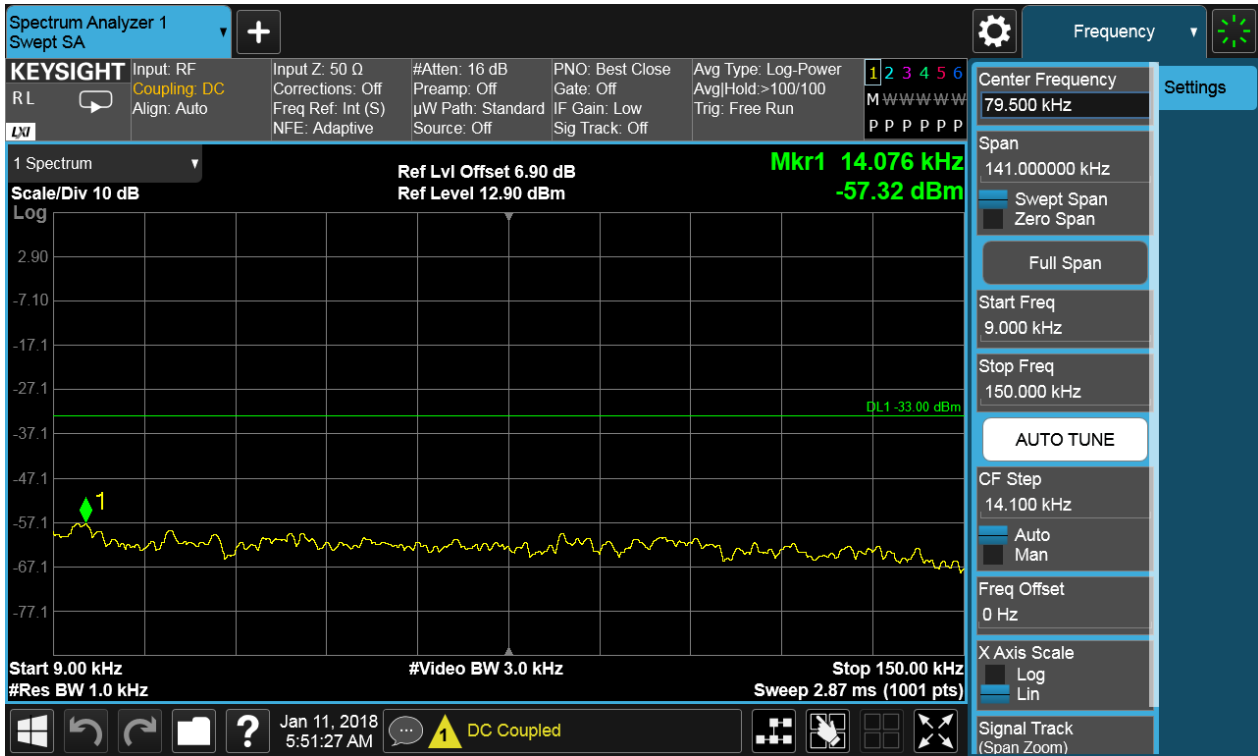
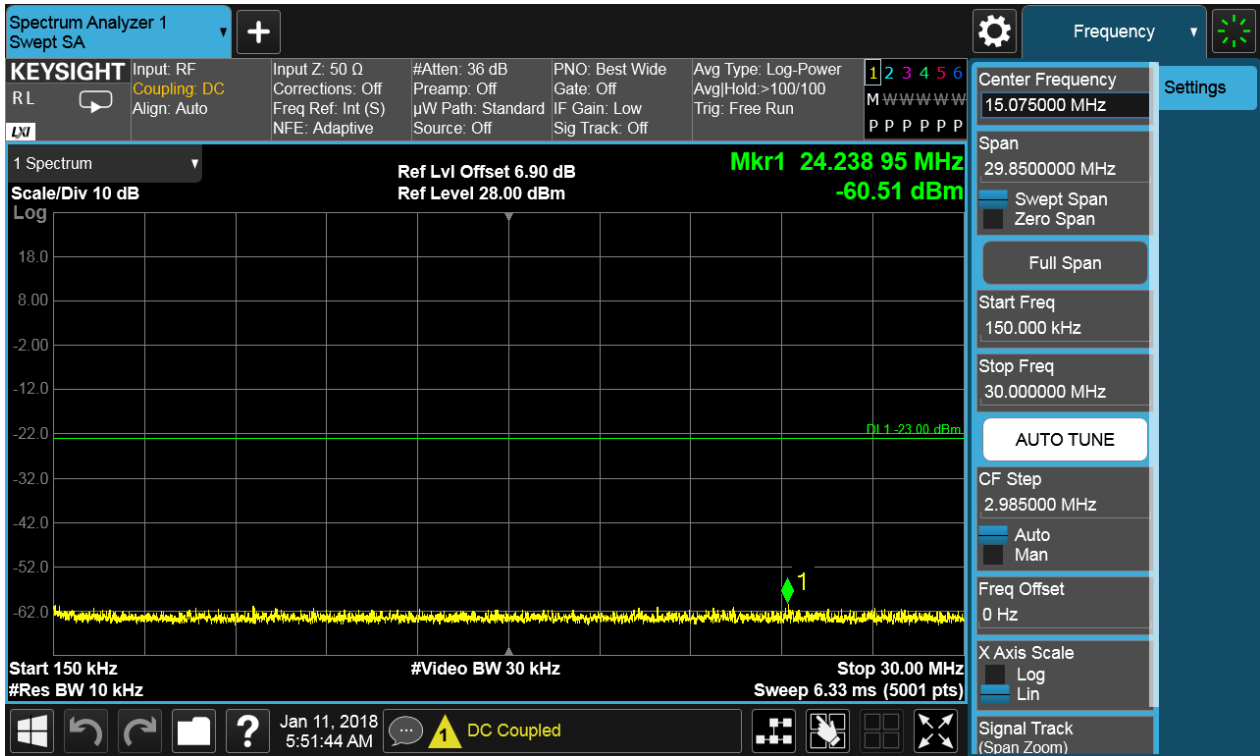
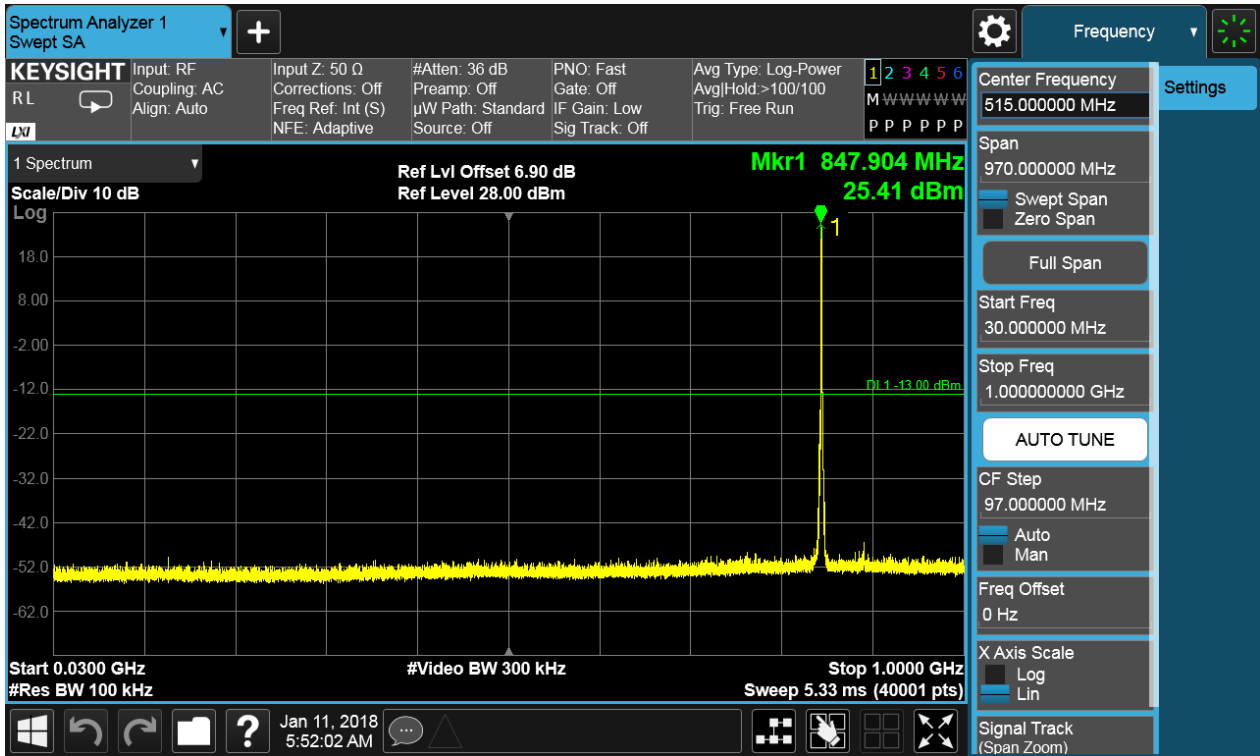


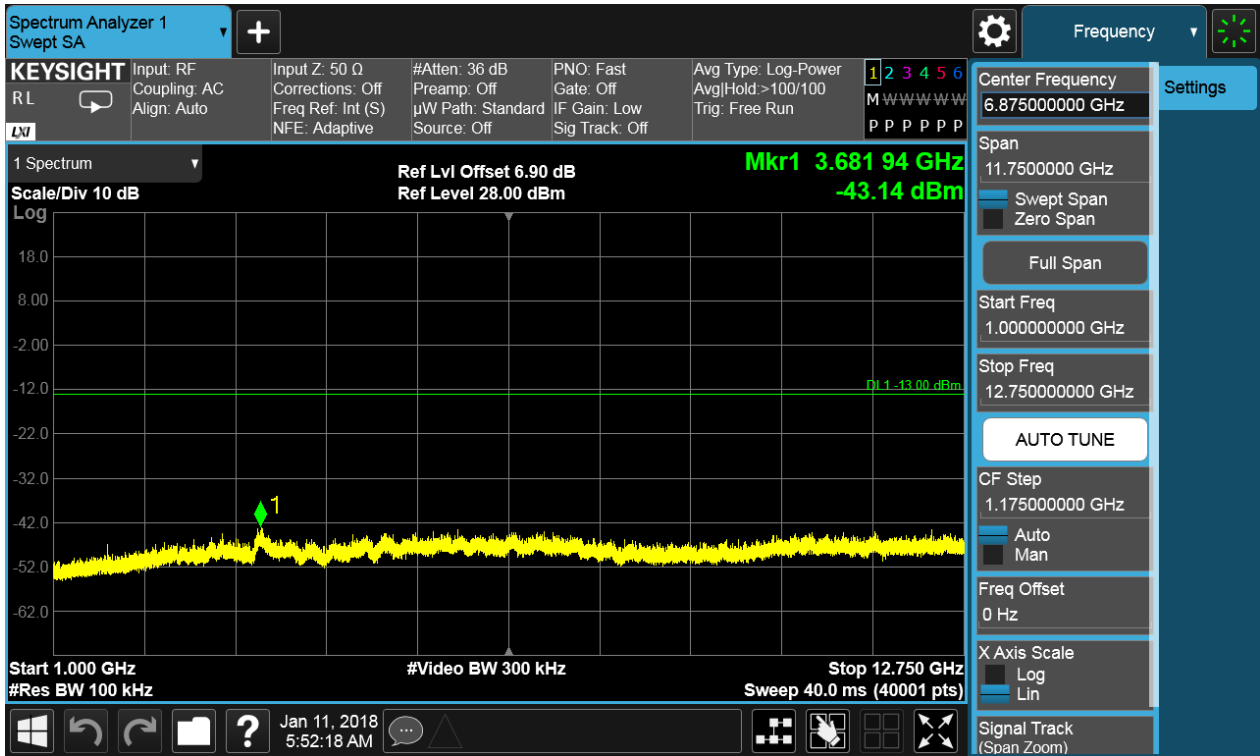
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





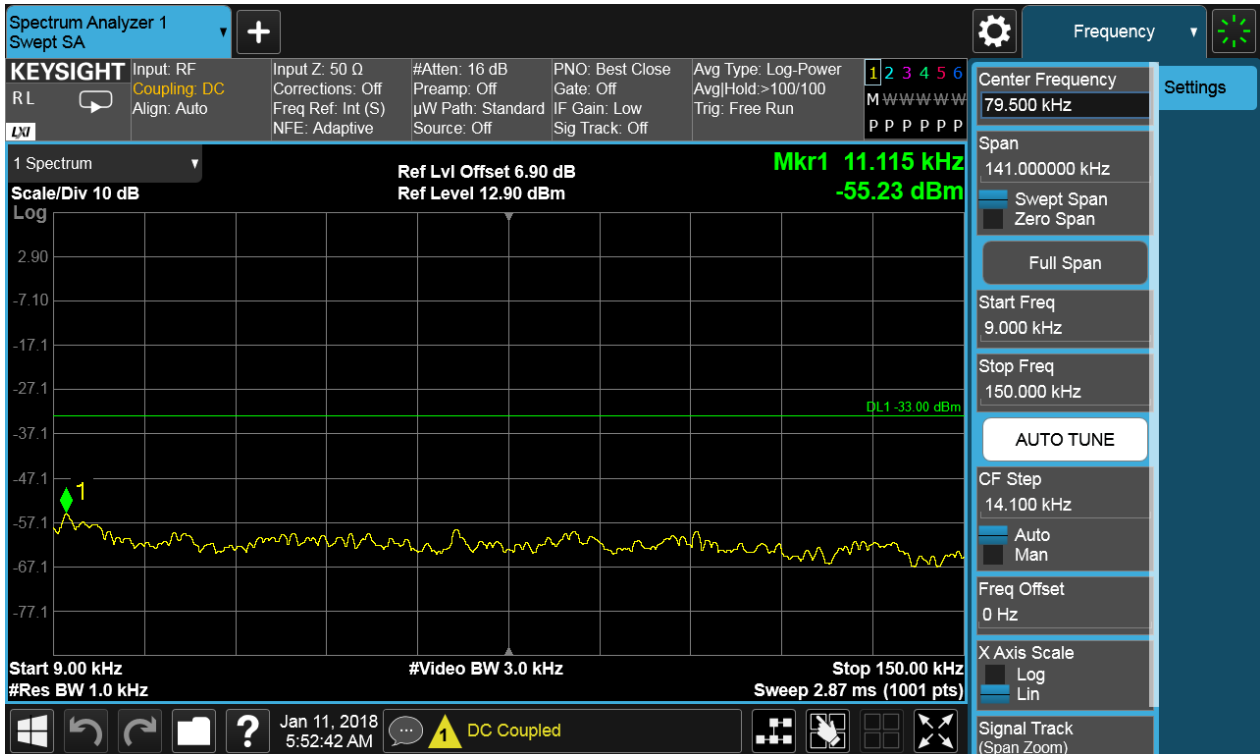


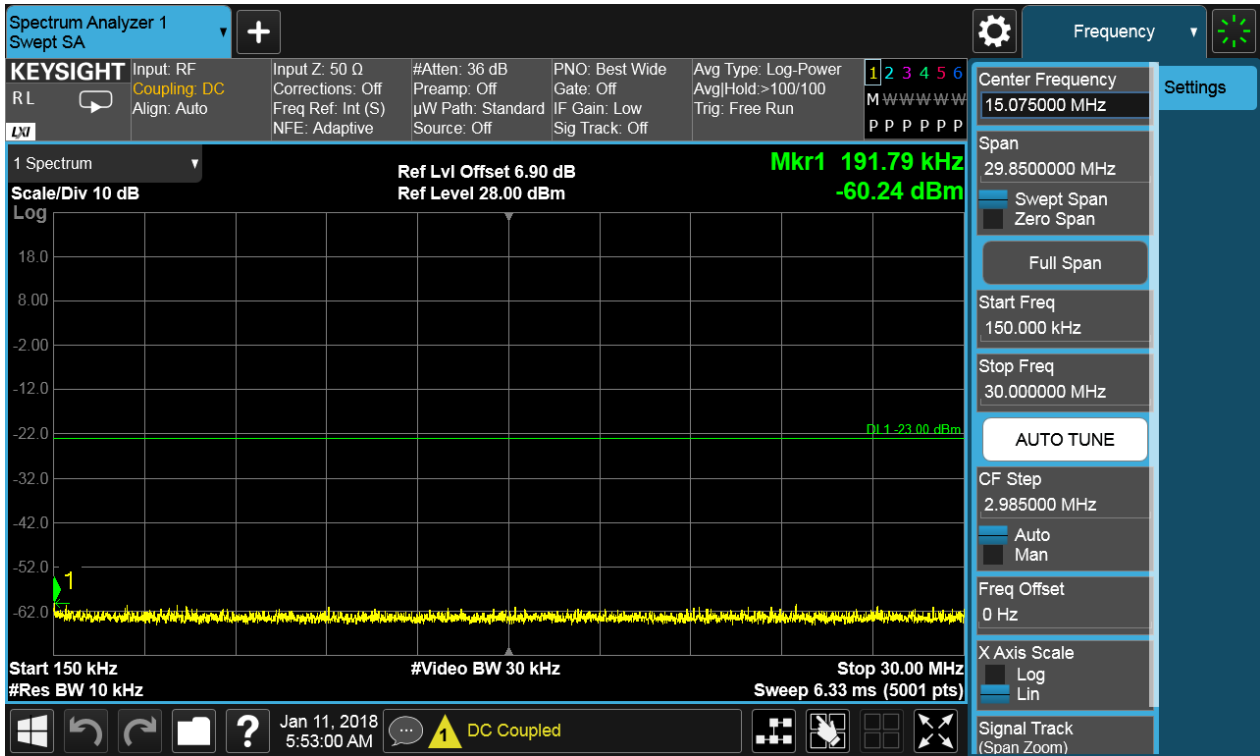


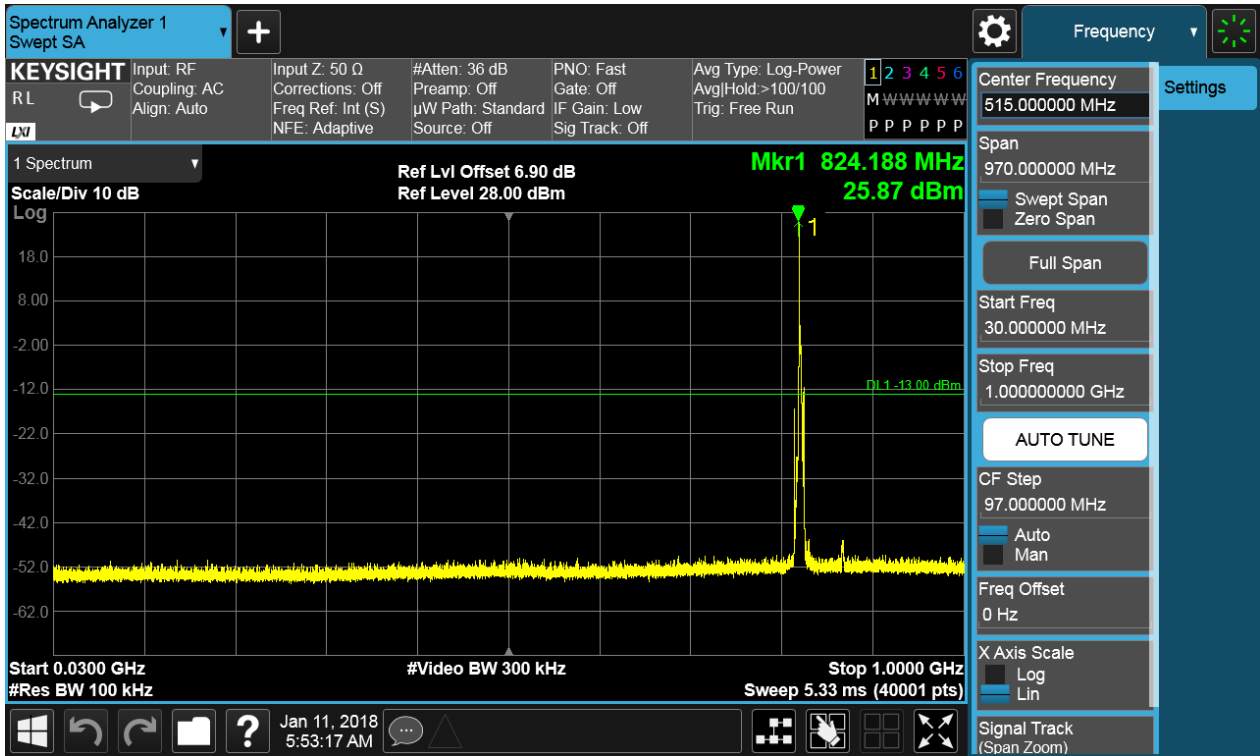
6.1.1.2.2 Test Bandwidth = 3

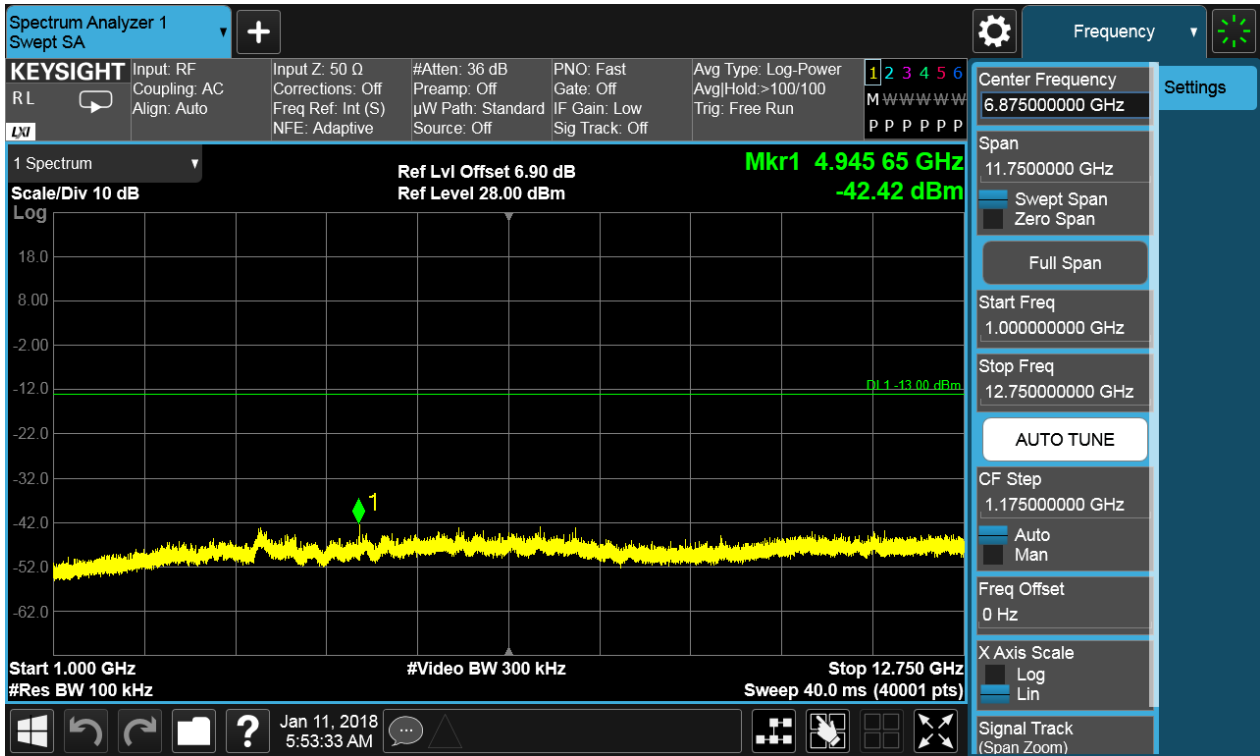
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



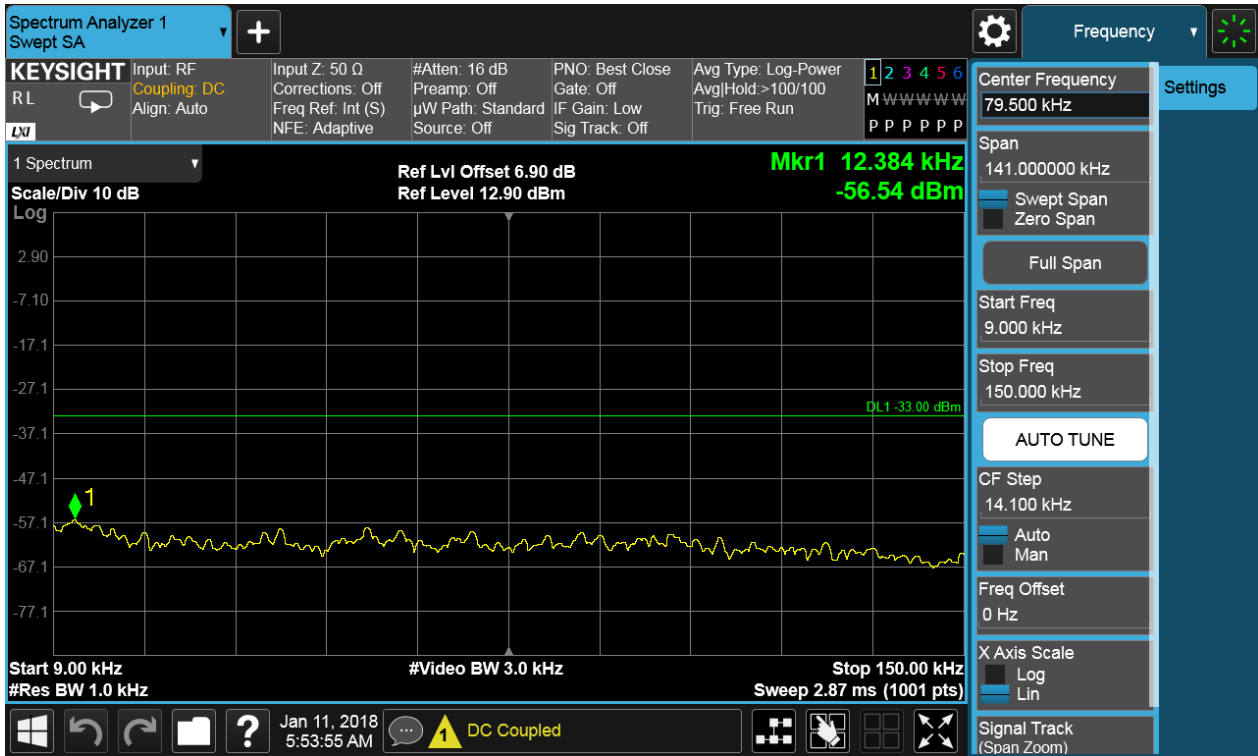


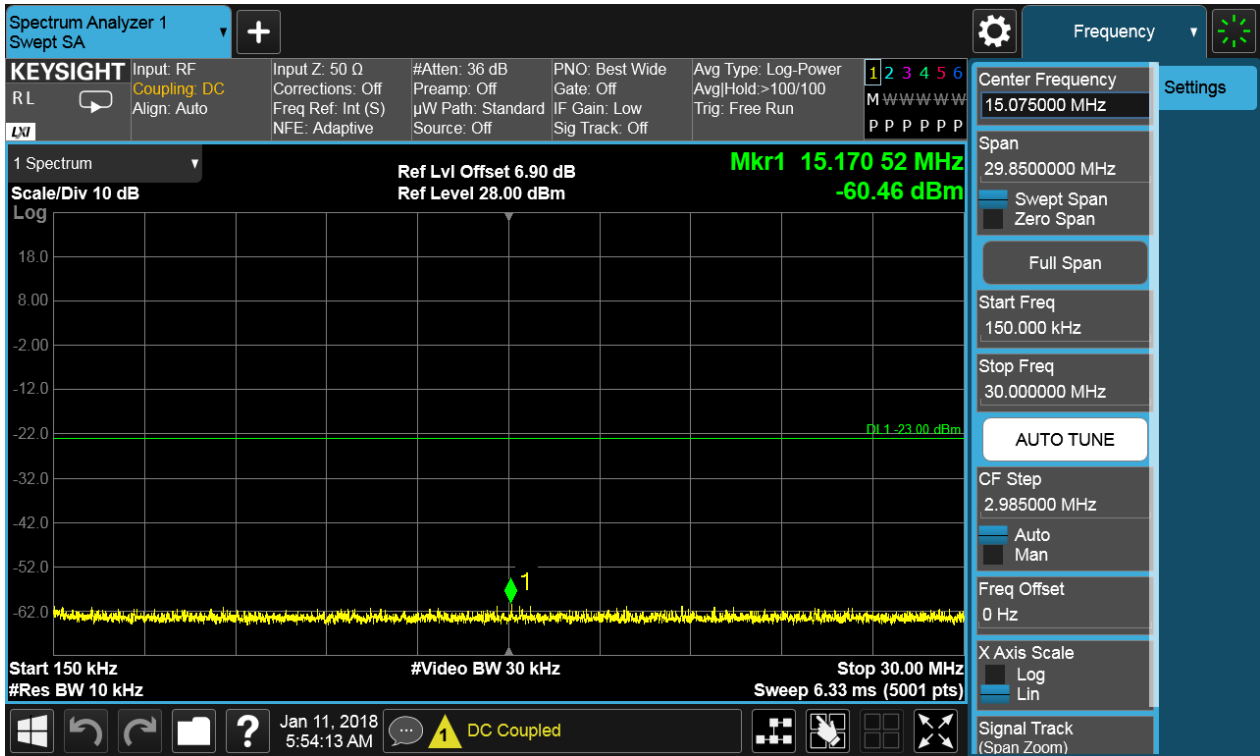


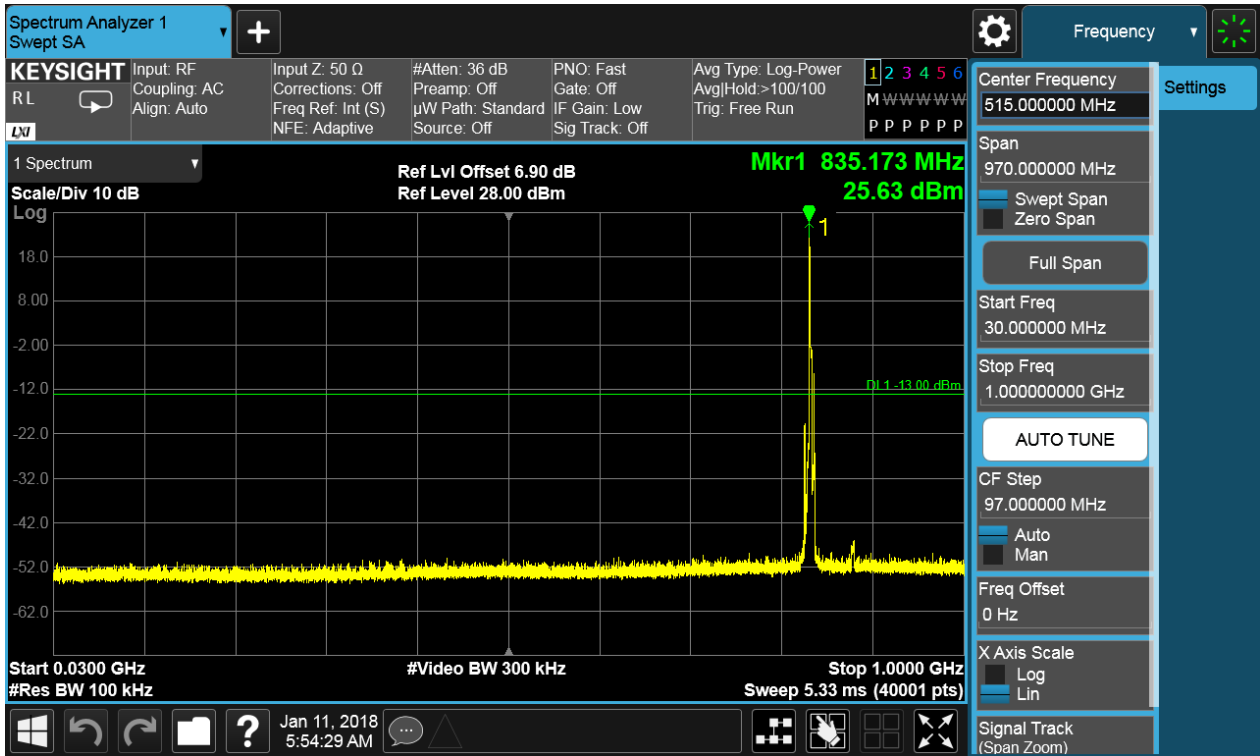


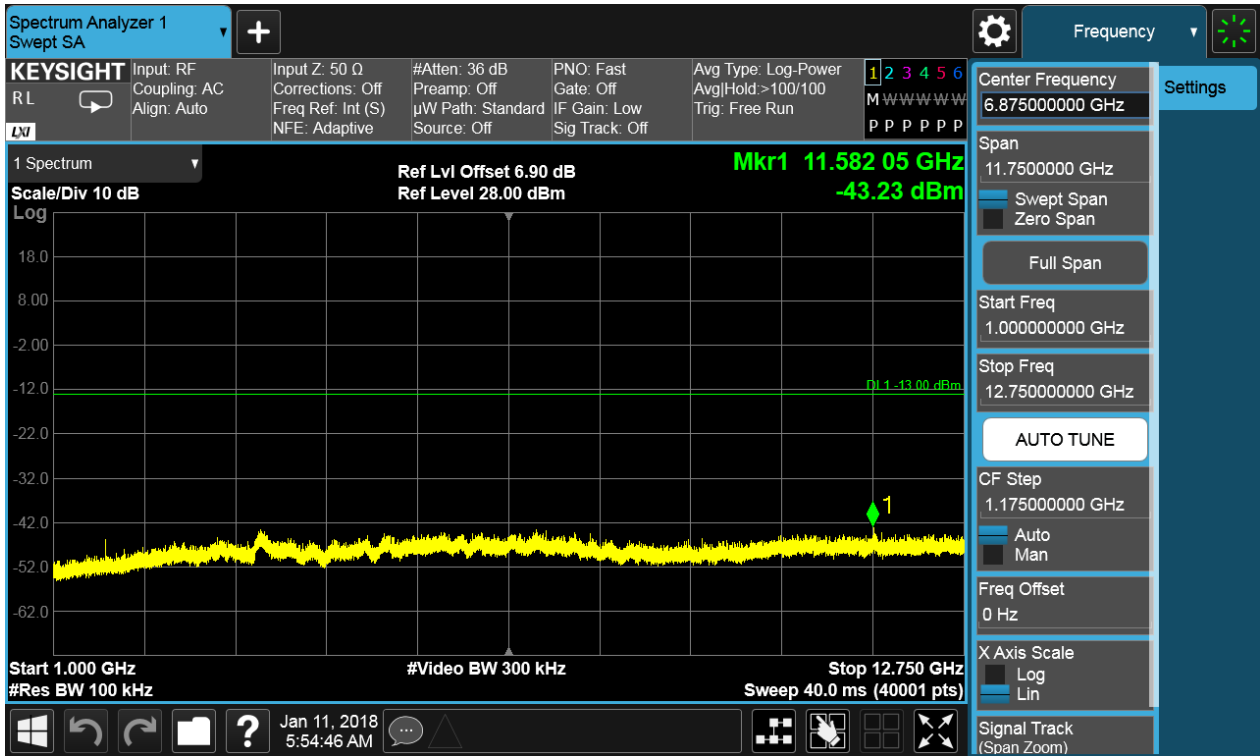
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



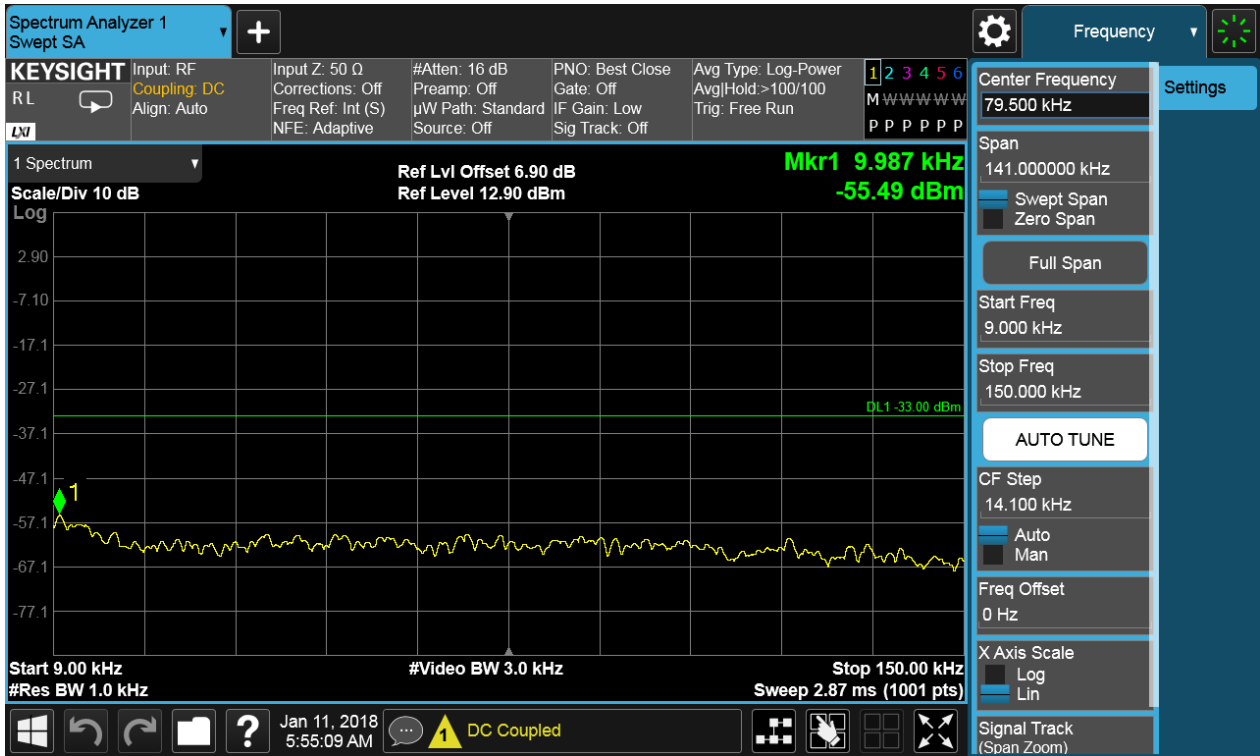


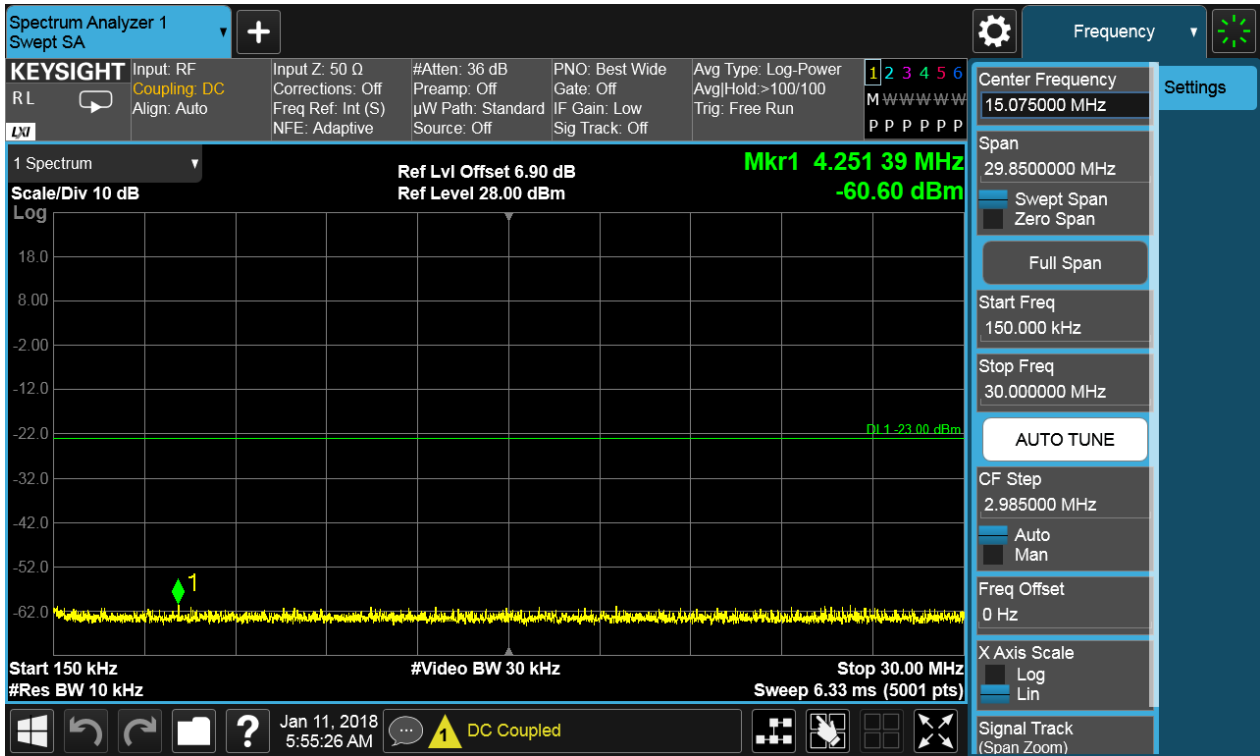


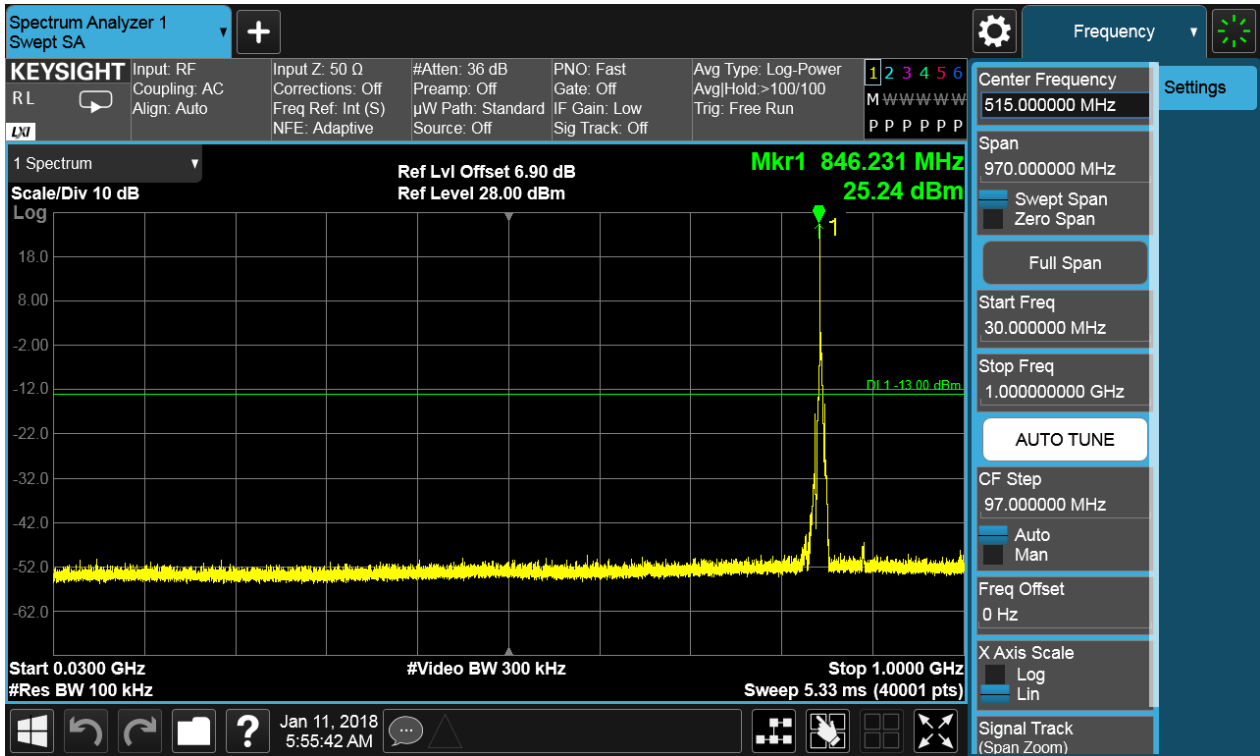


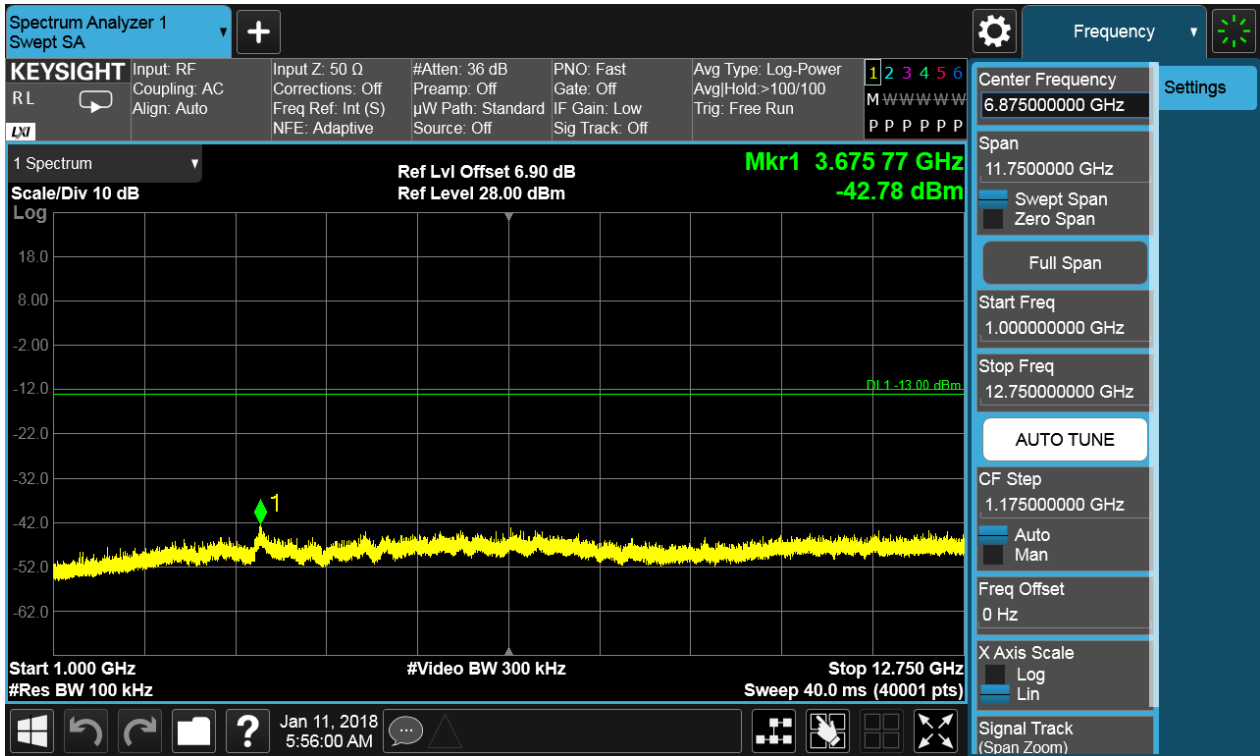
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





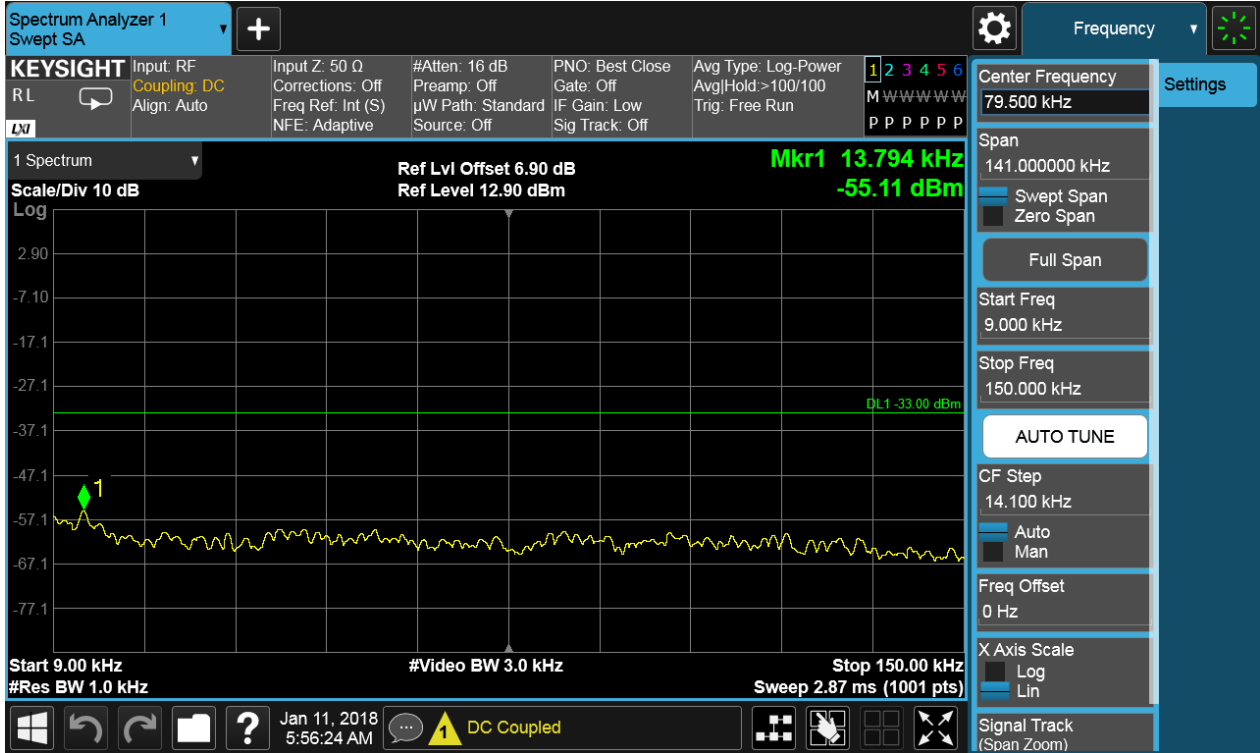


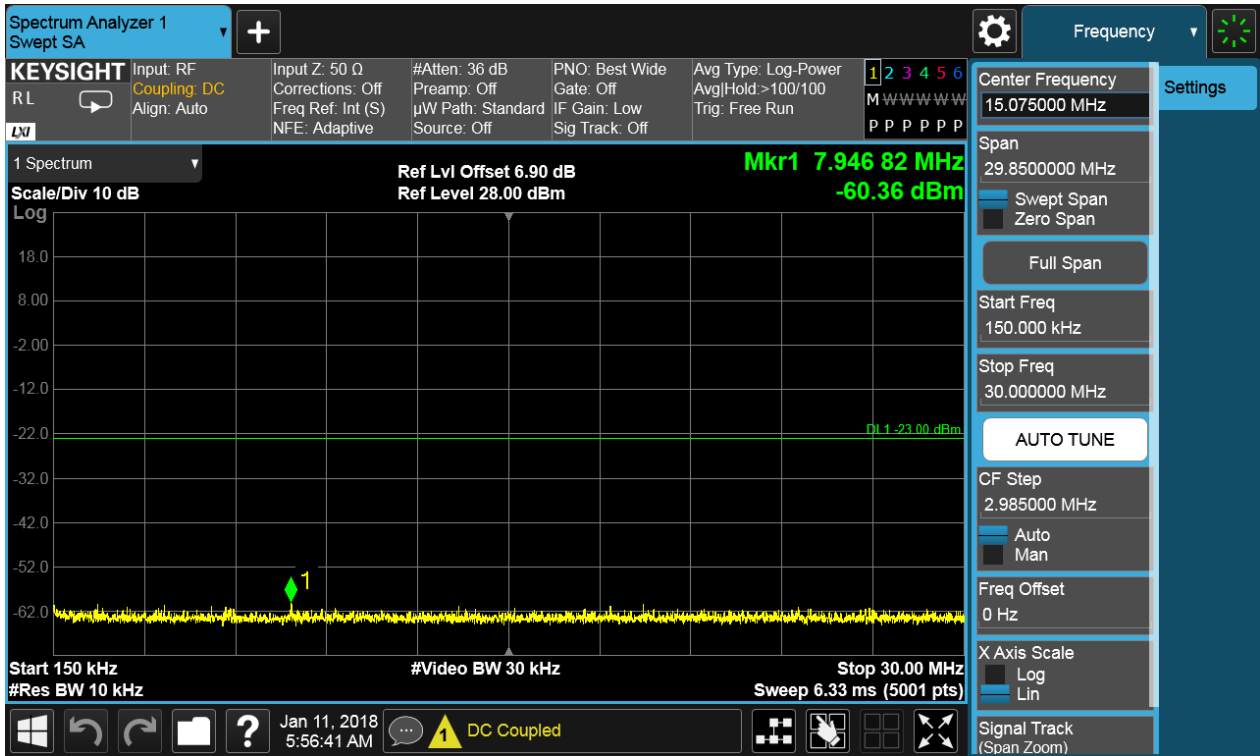


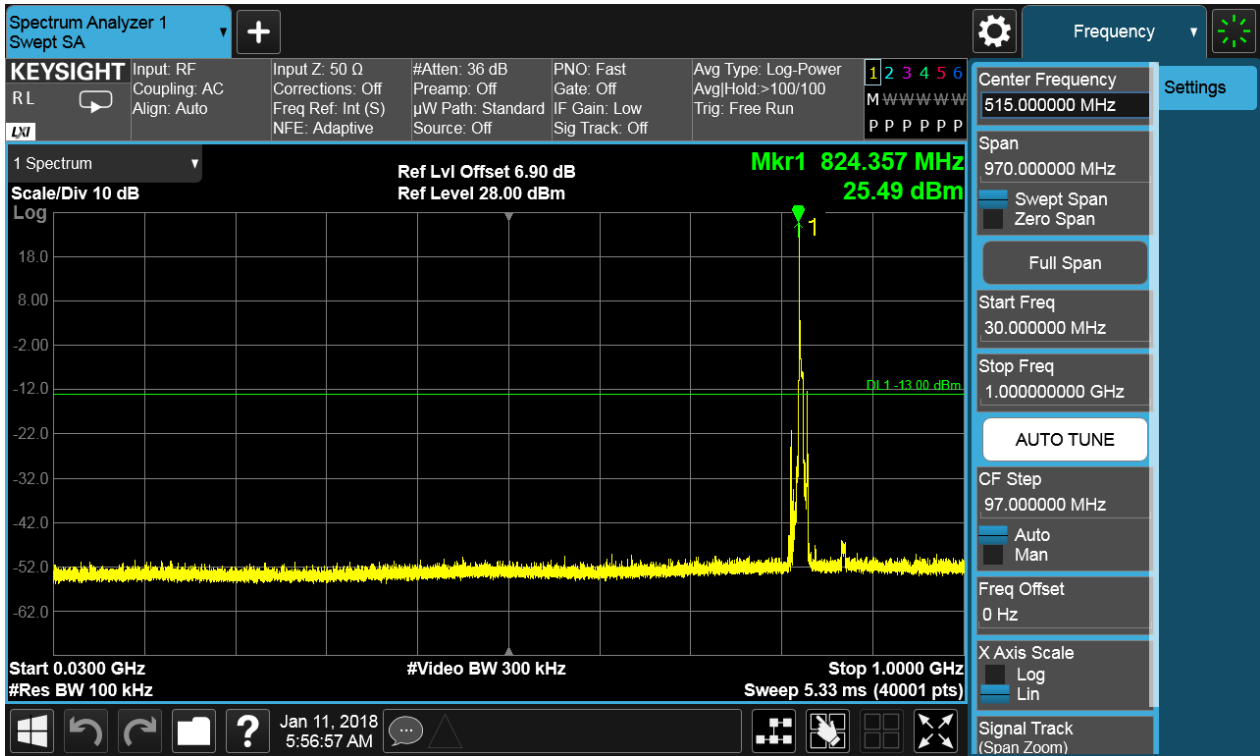
6.1.1.2.3 Test Bandwidth = 5

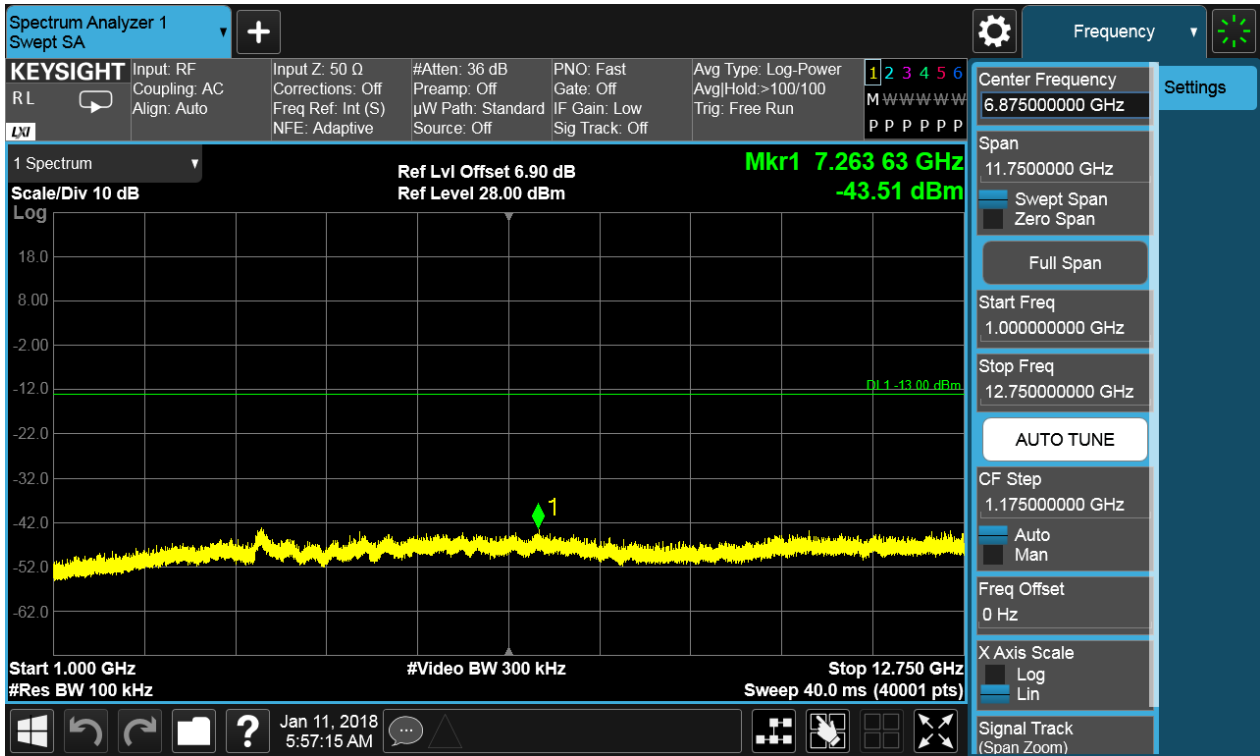
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





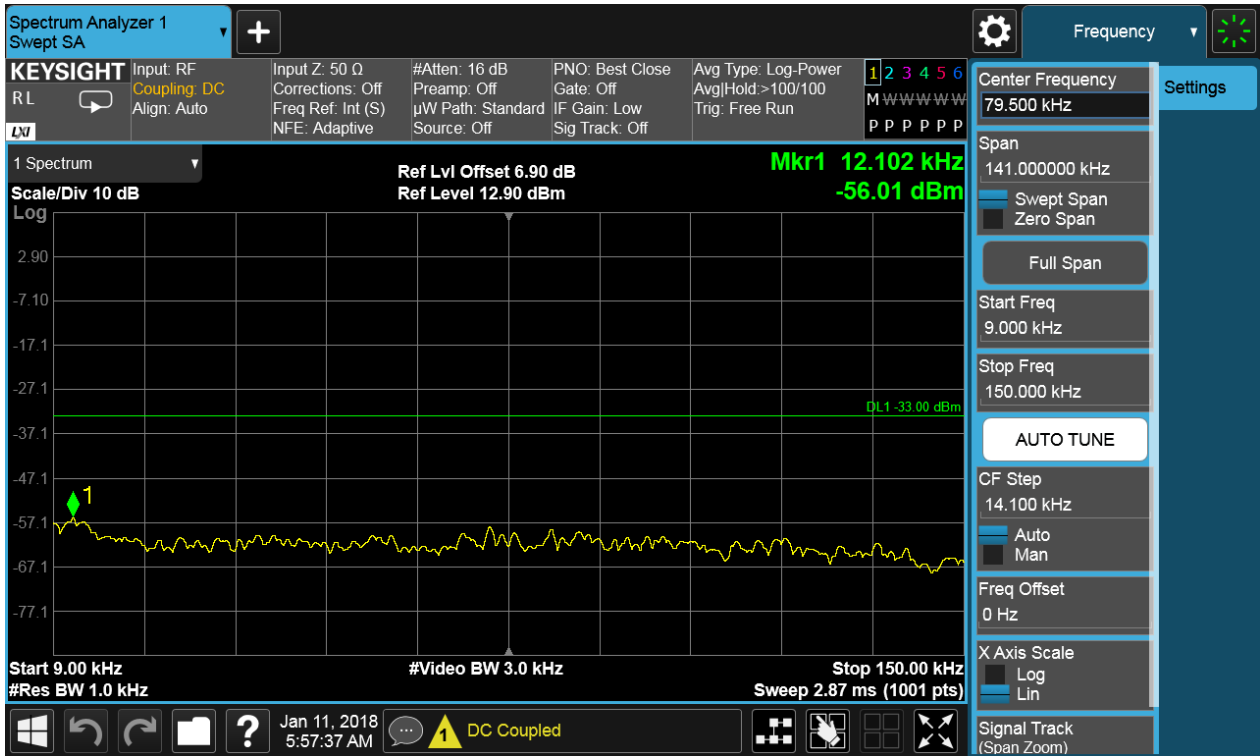


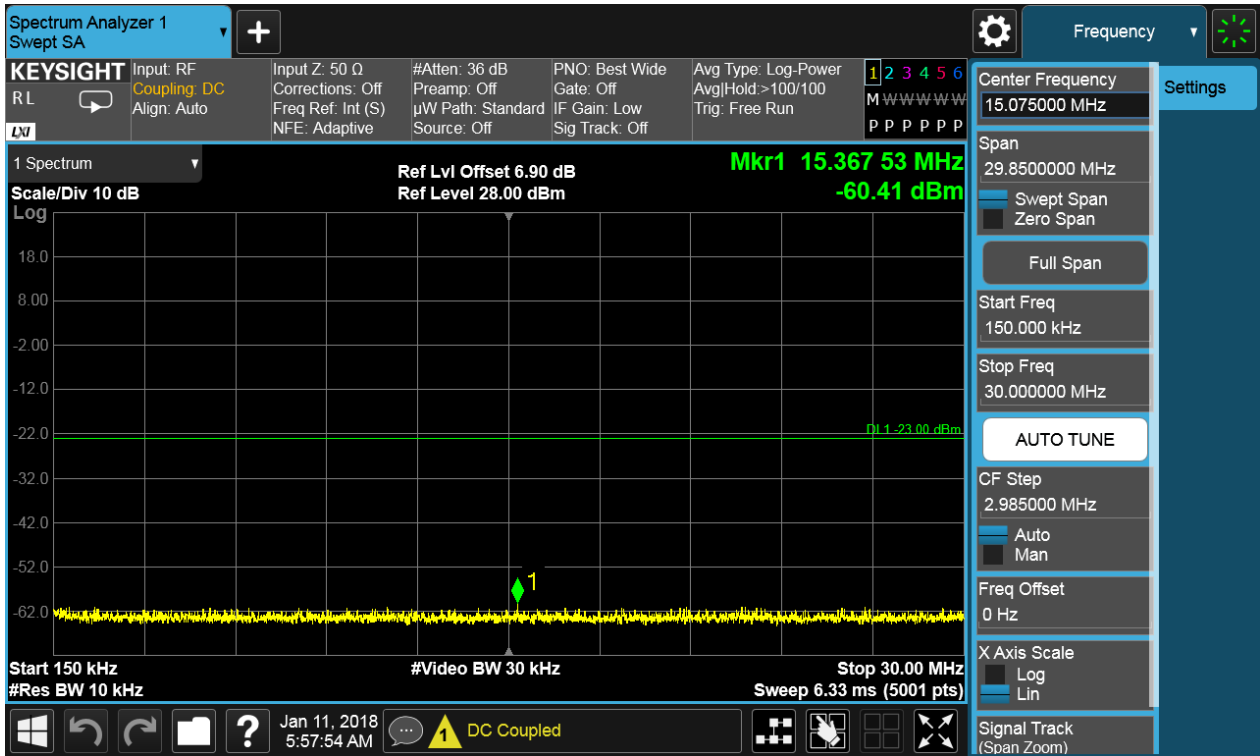


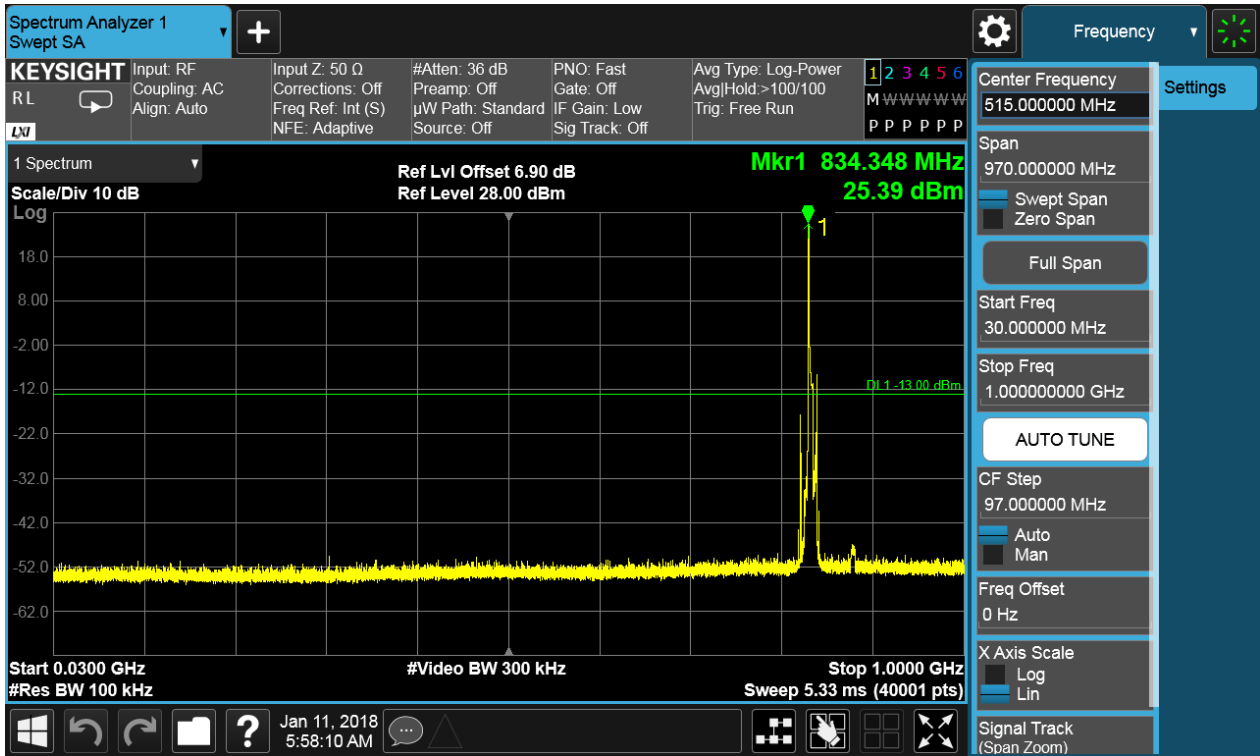


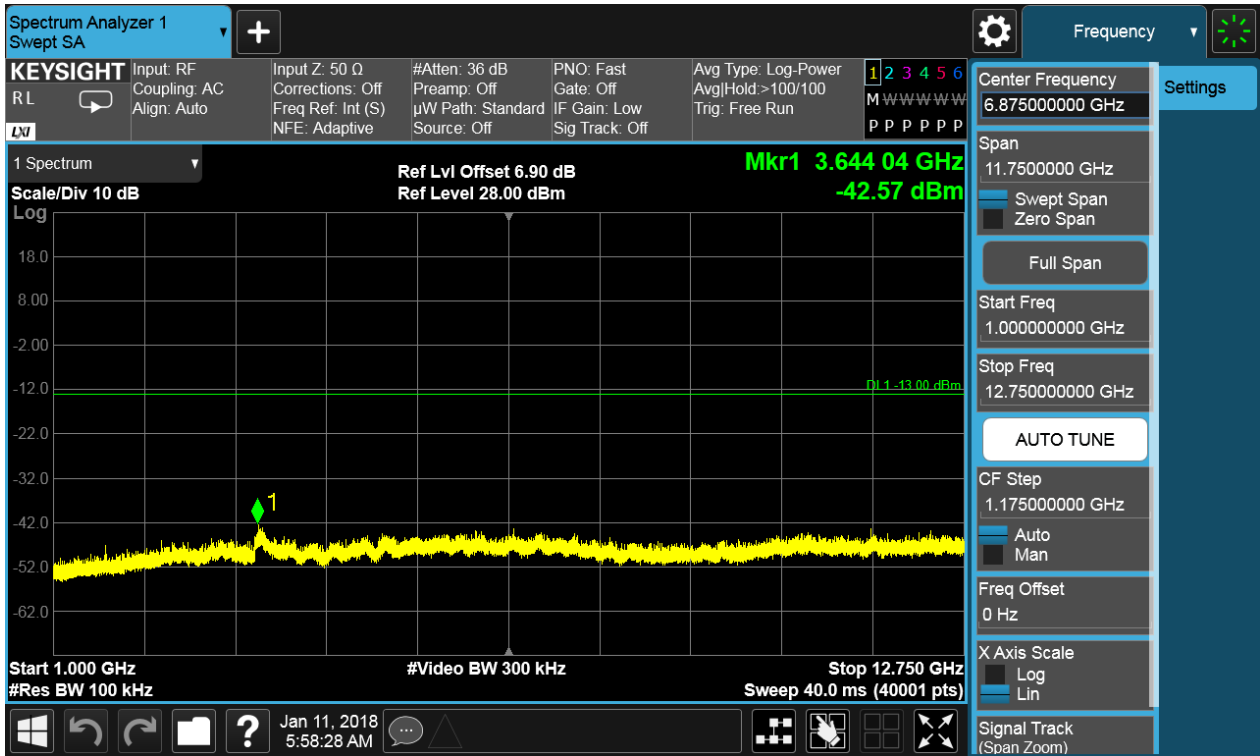
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



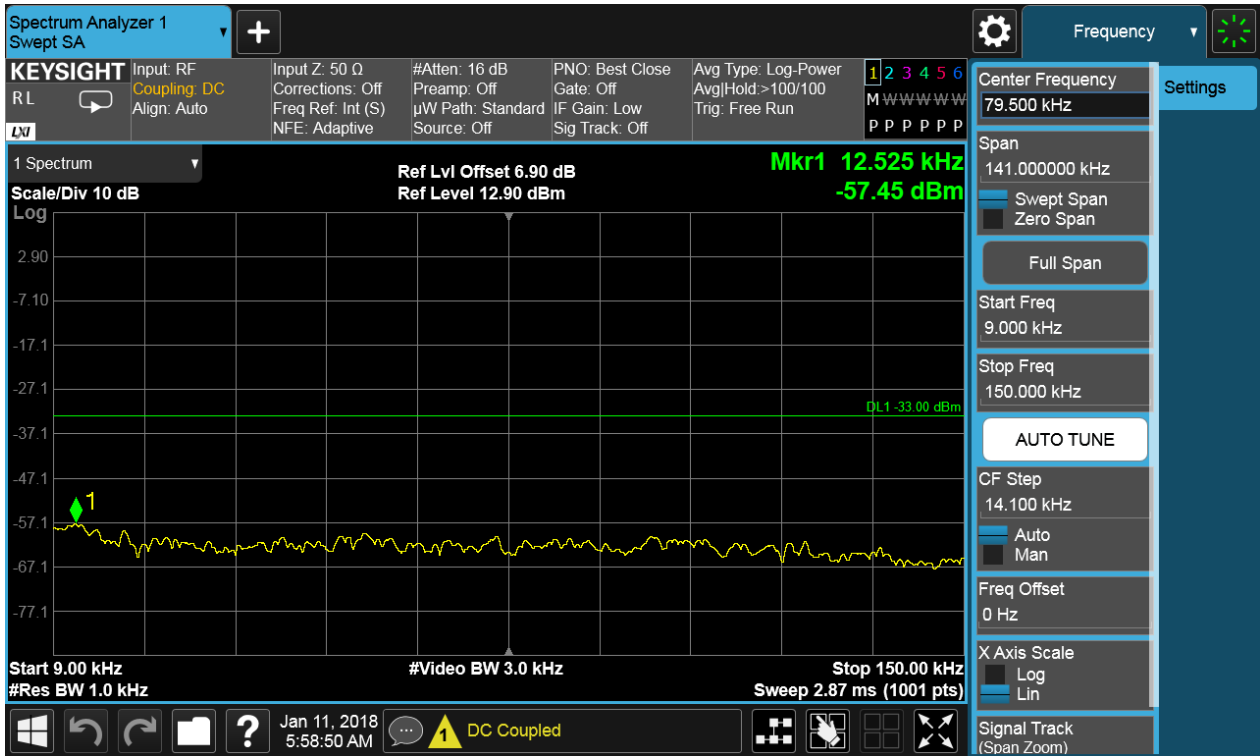


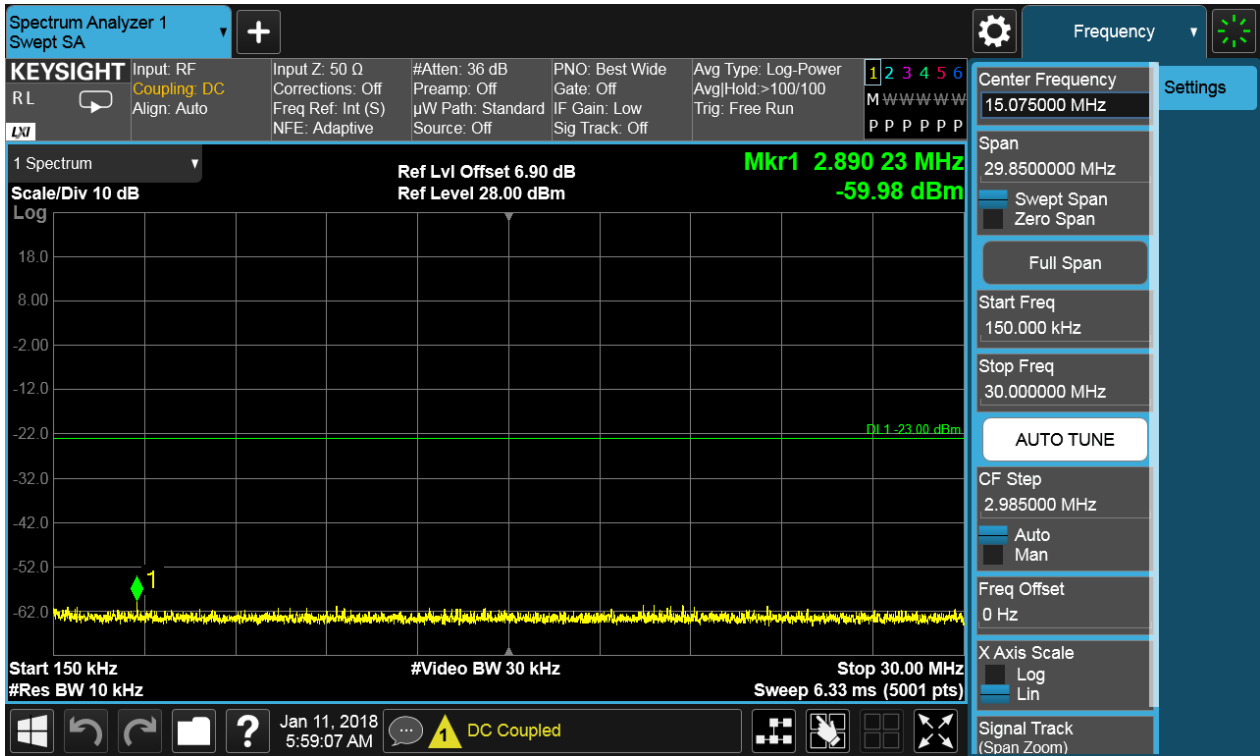


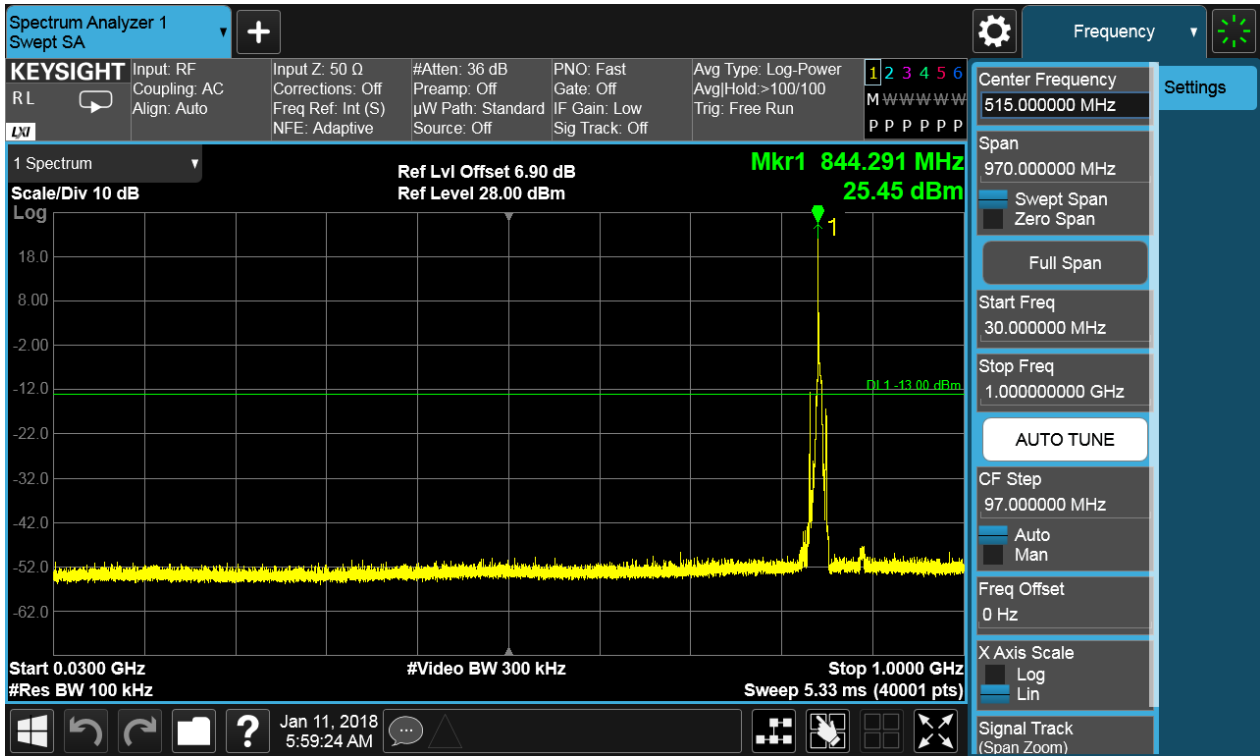


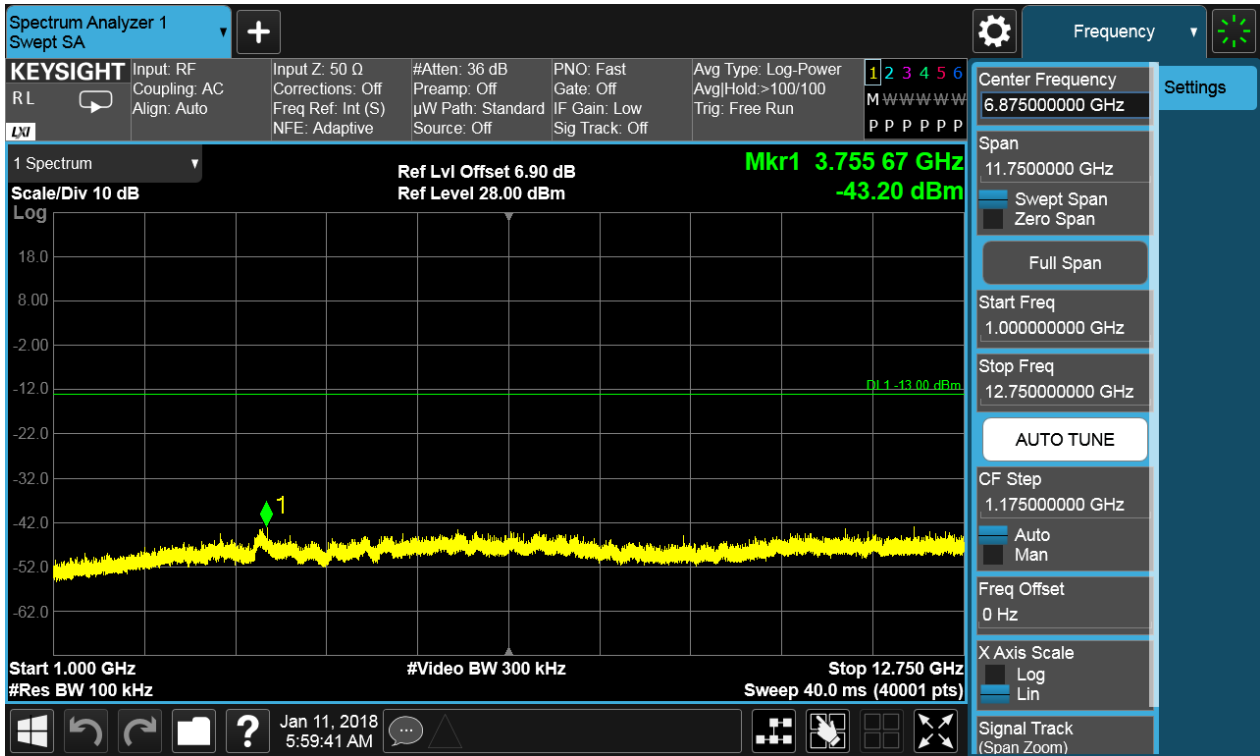
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





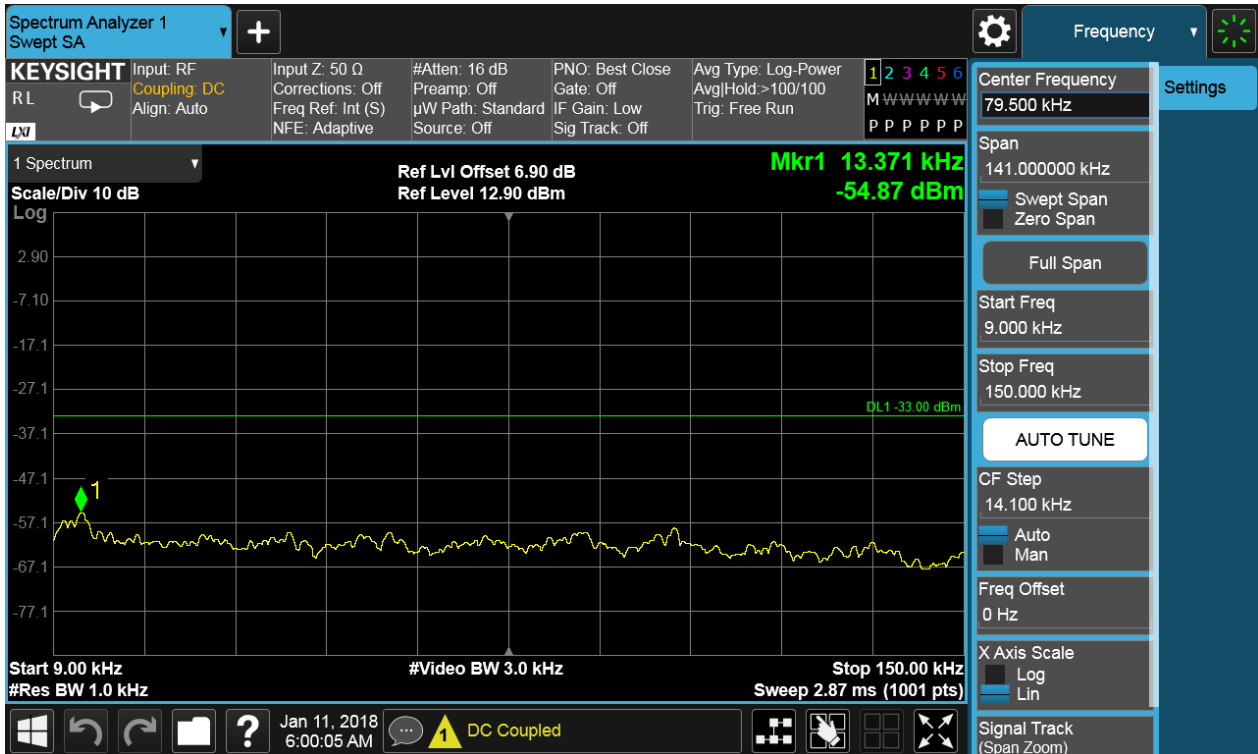


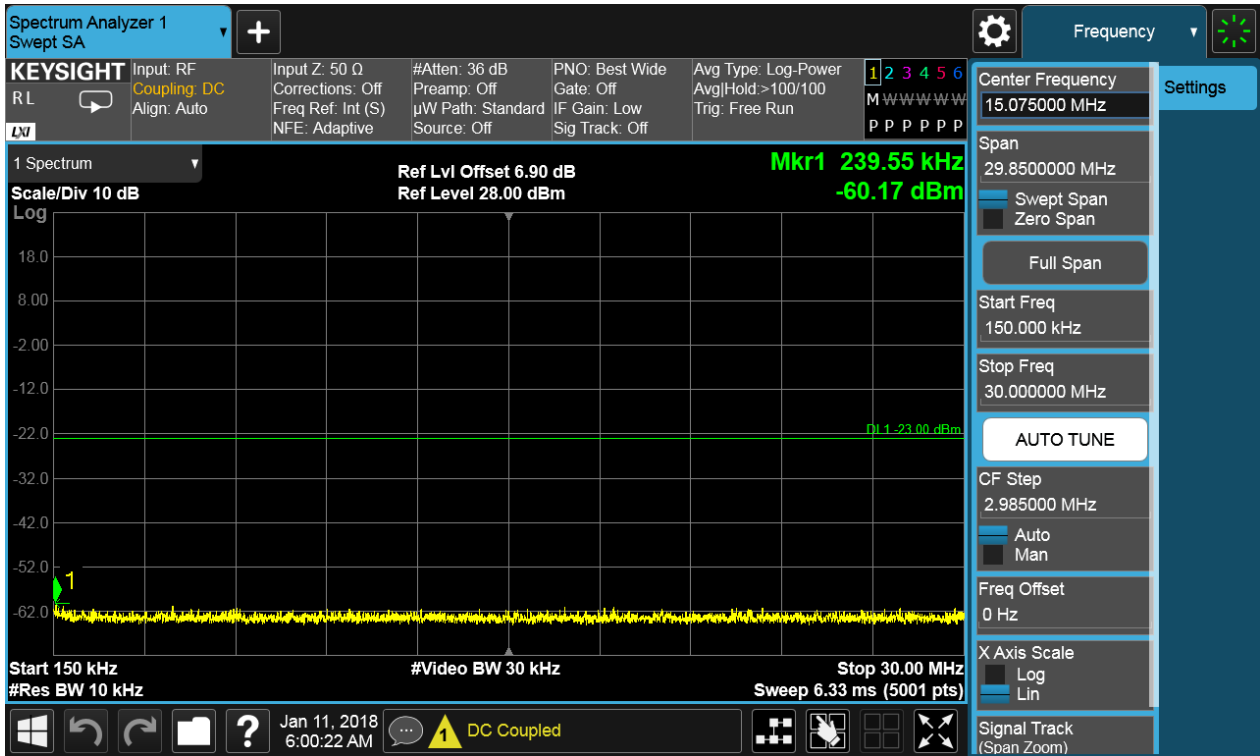


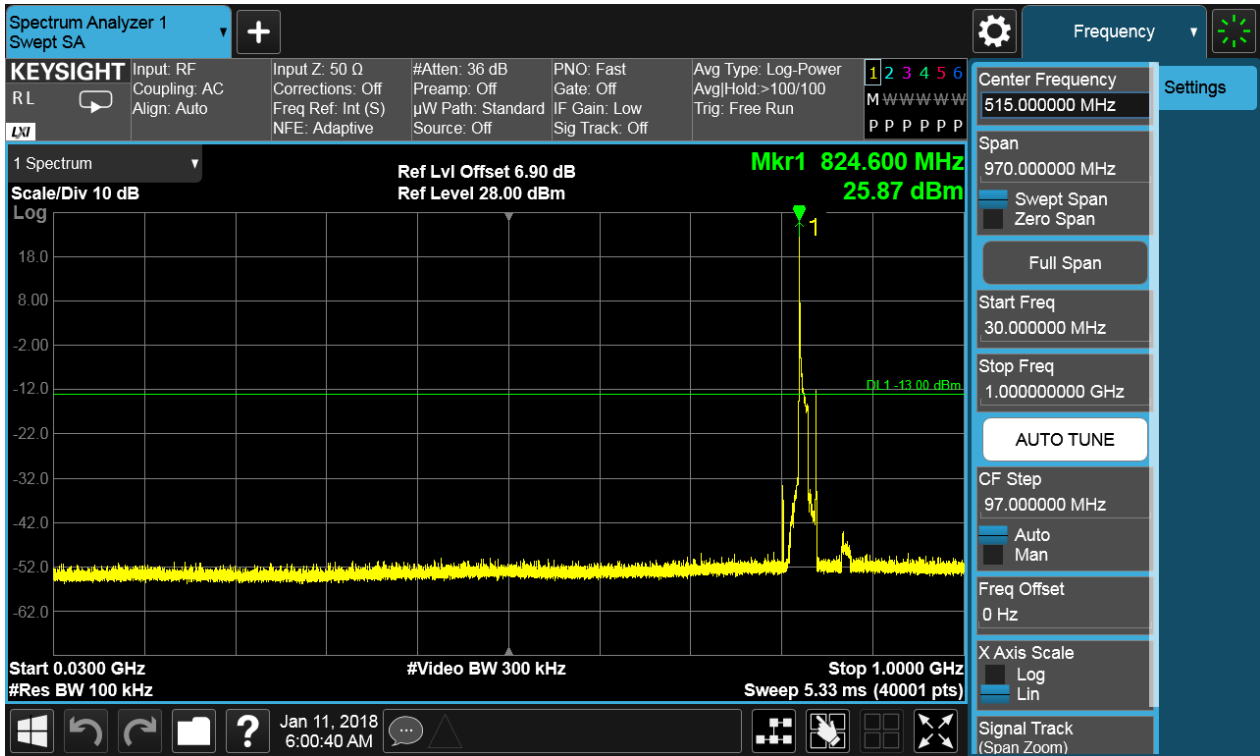
6.1.1.2.4 Test Bandwidth = 10

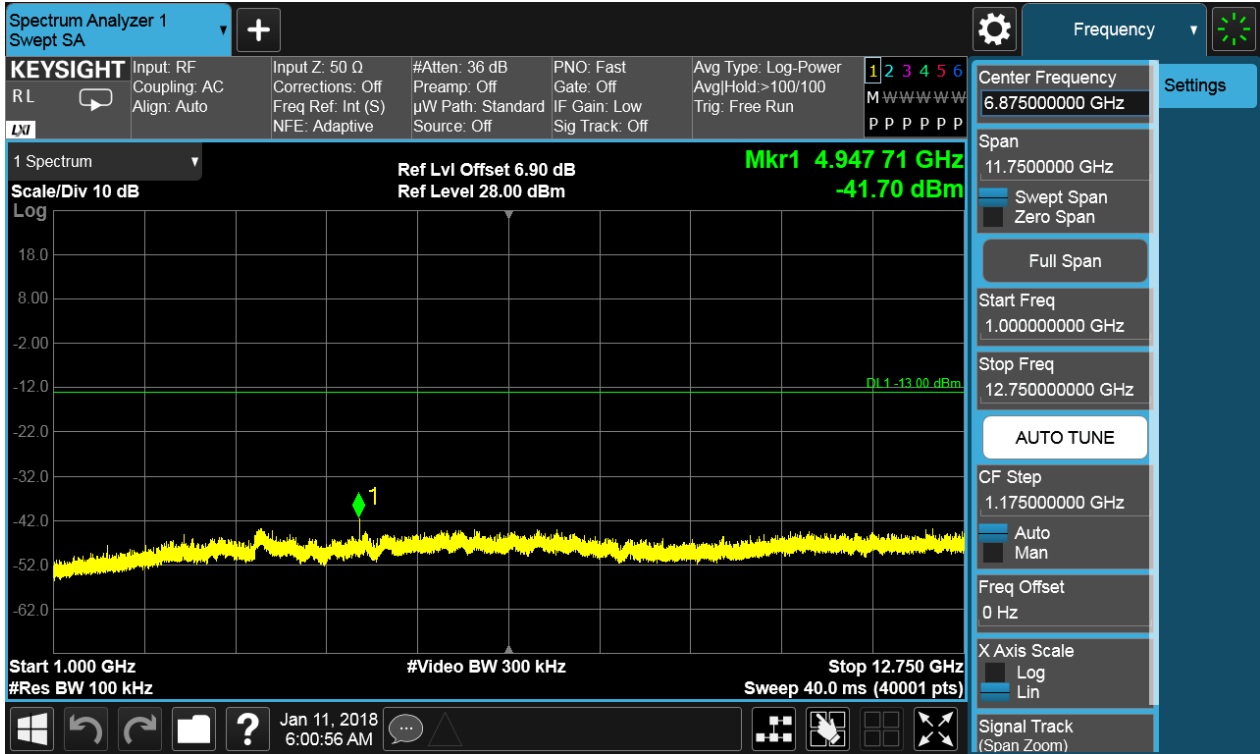
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



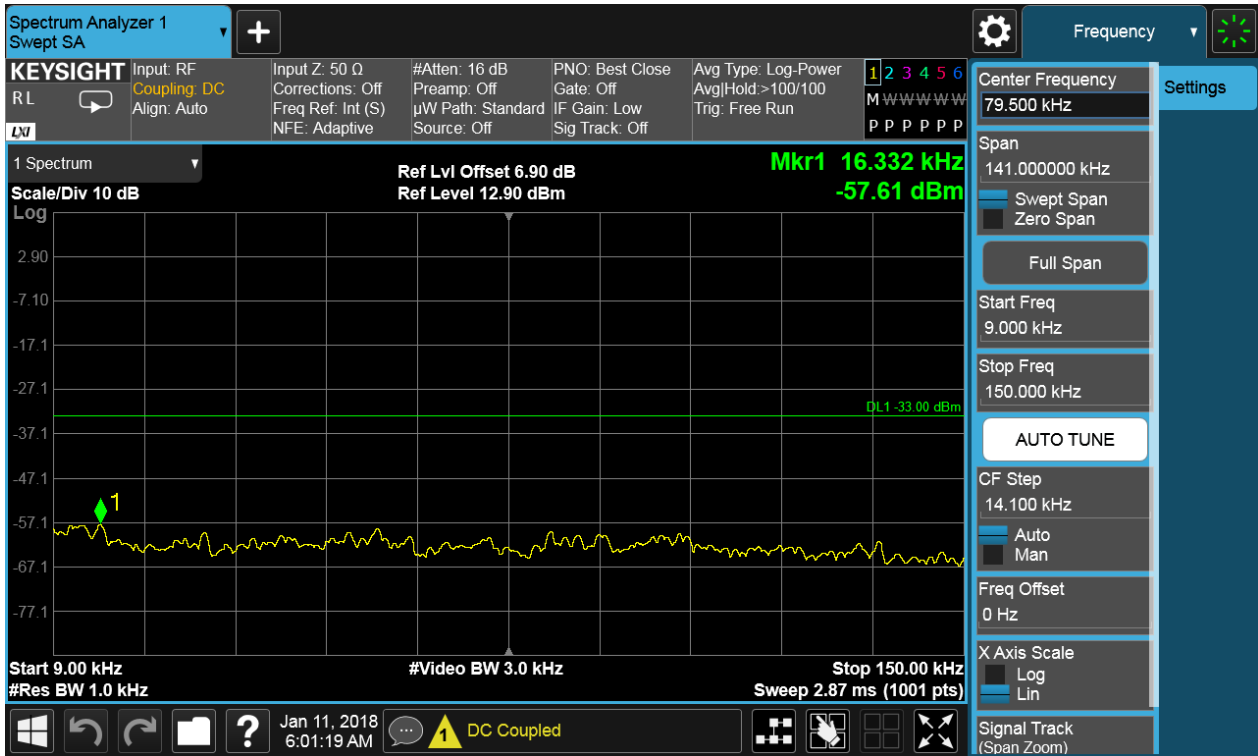


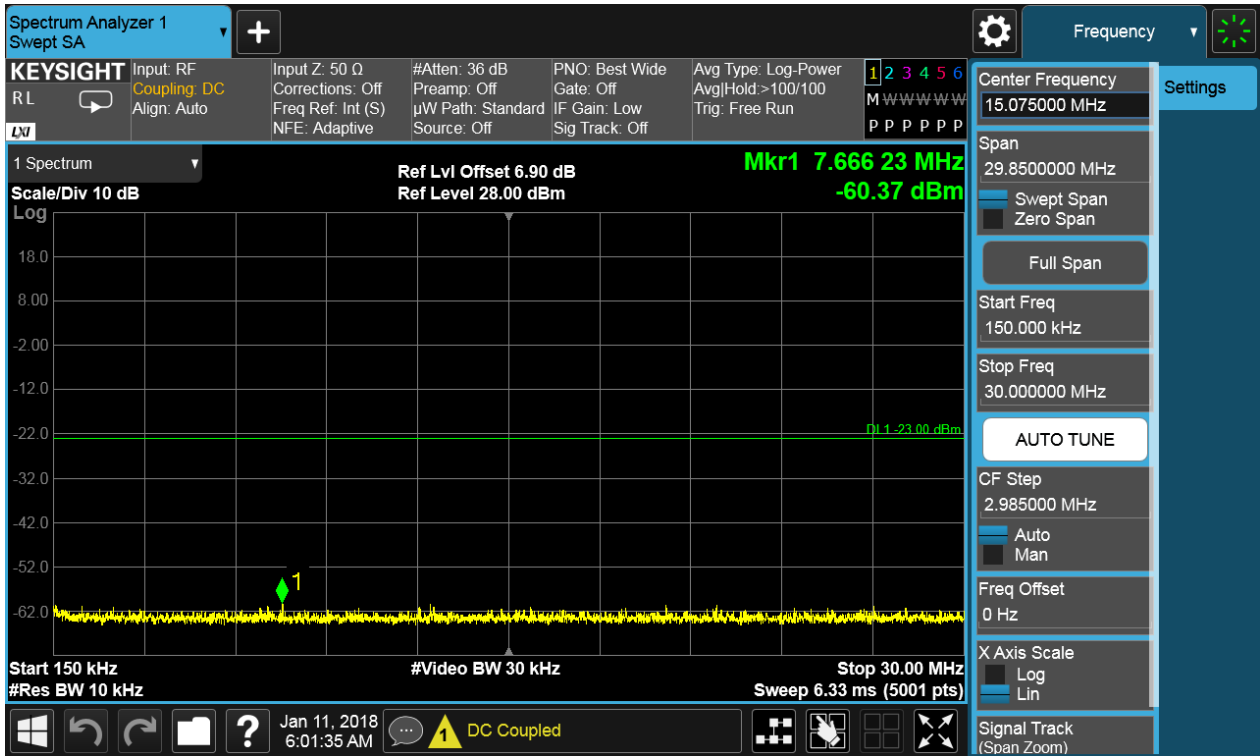


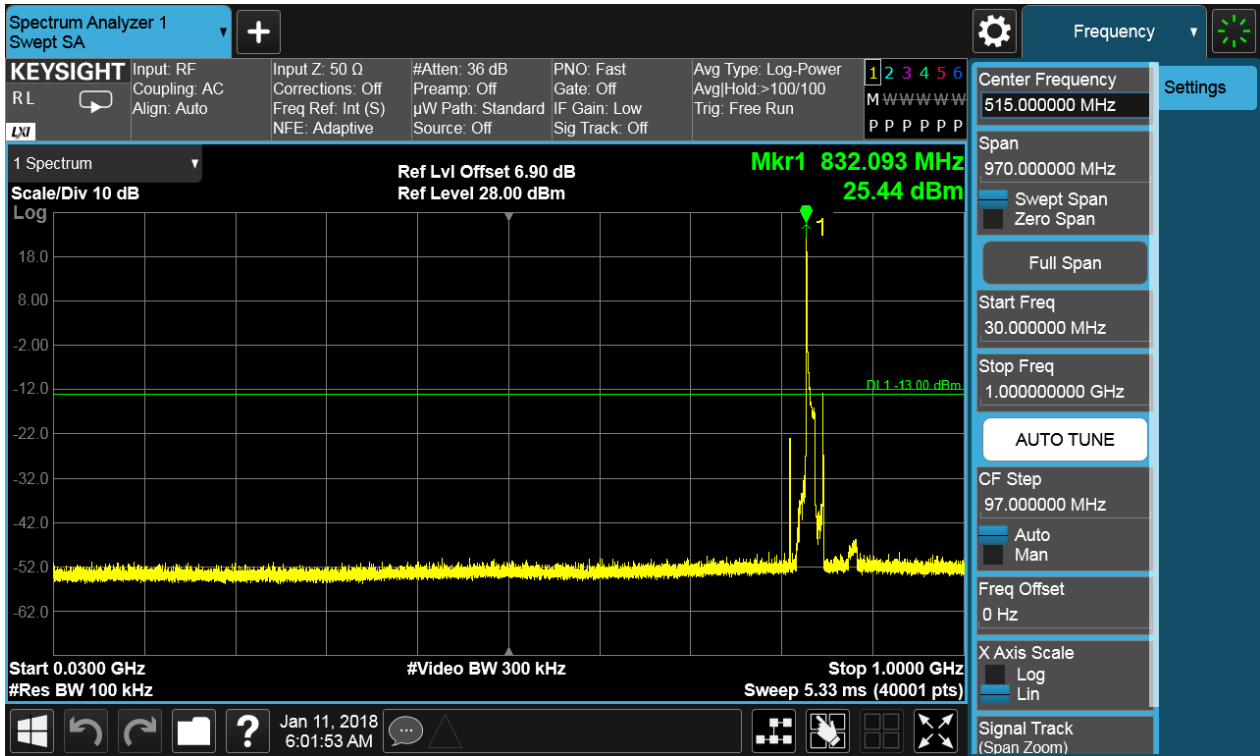


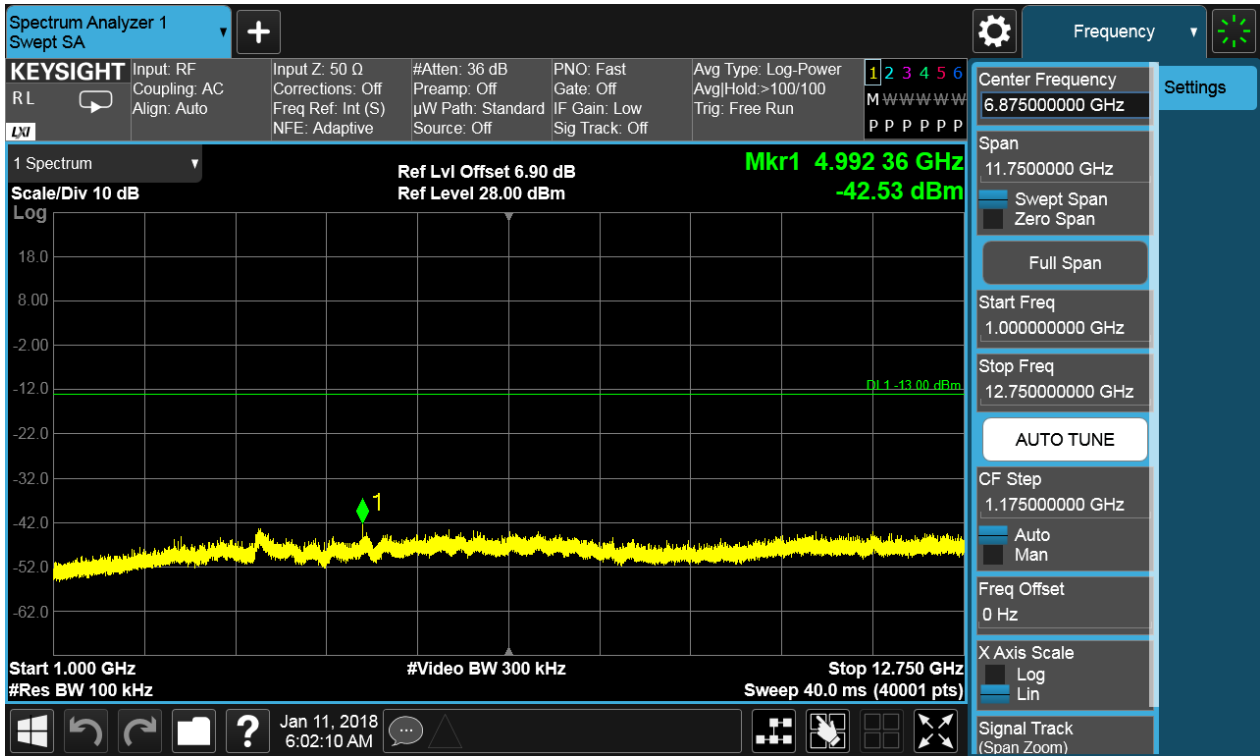
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



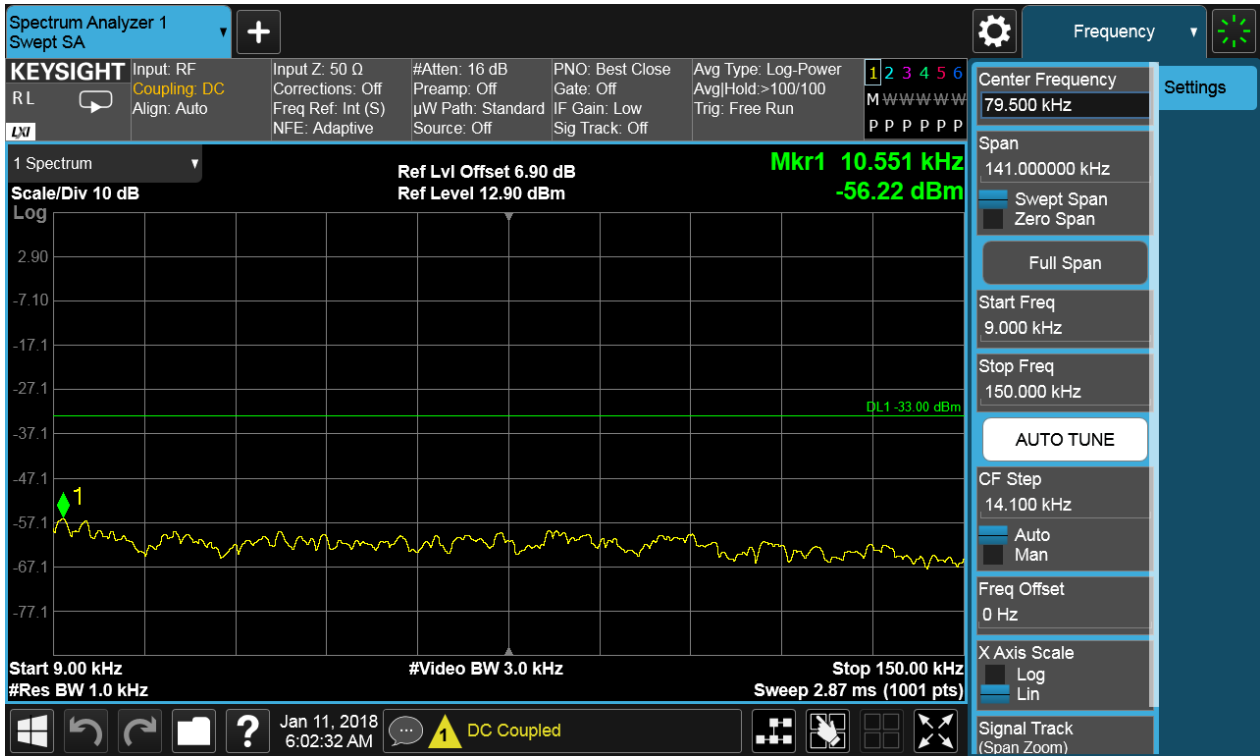


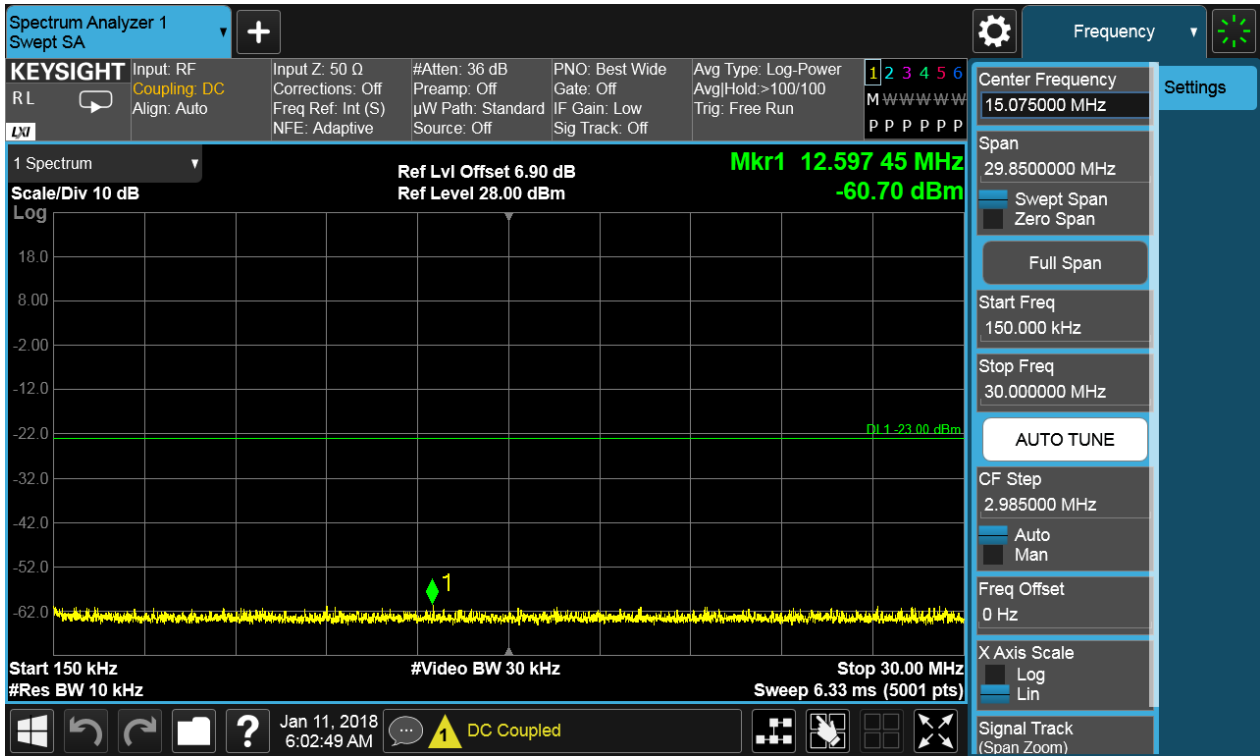


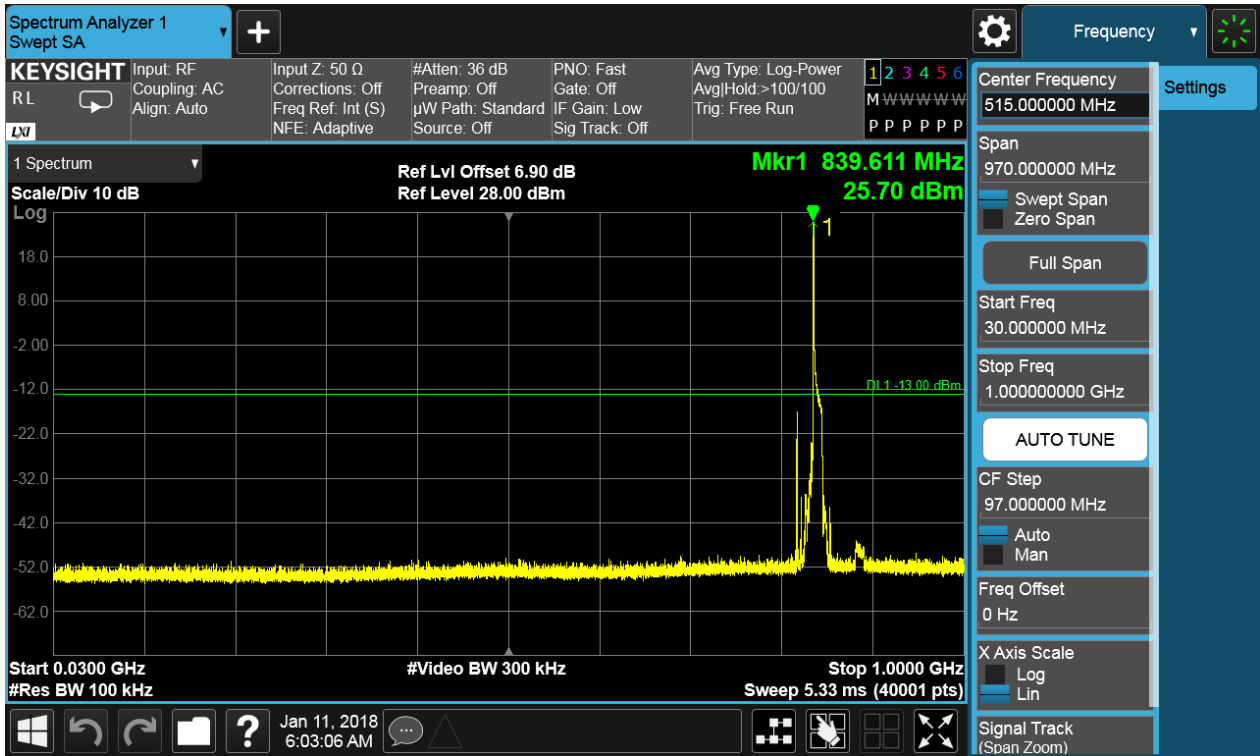


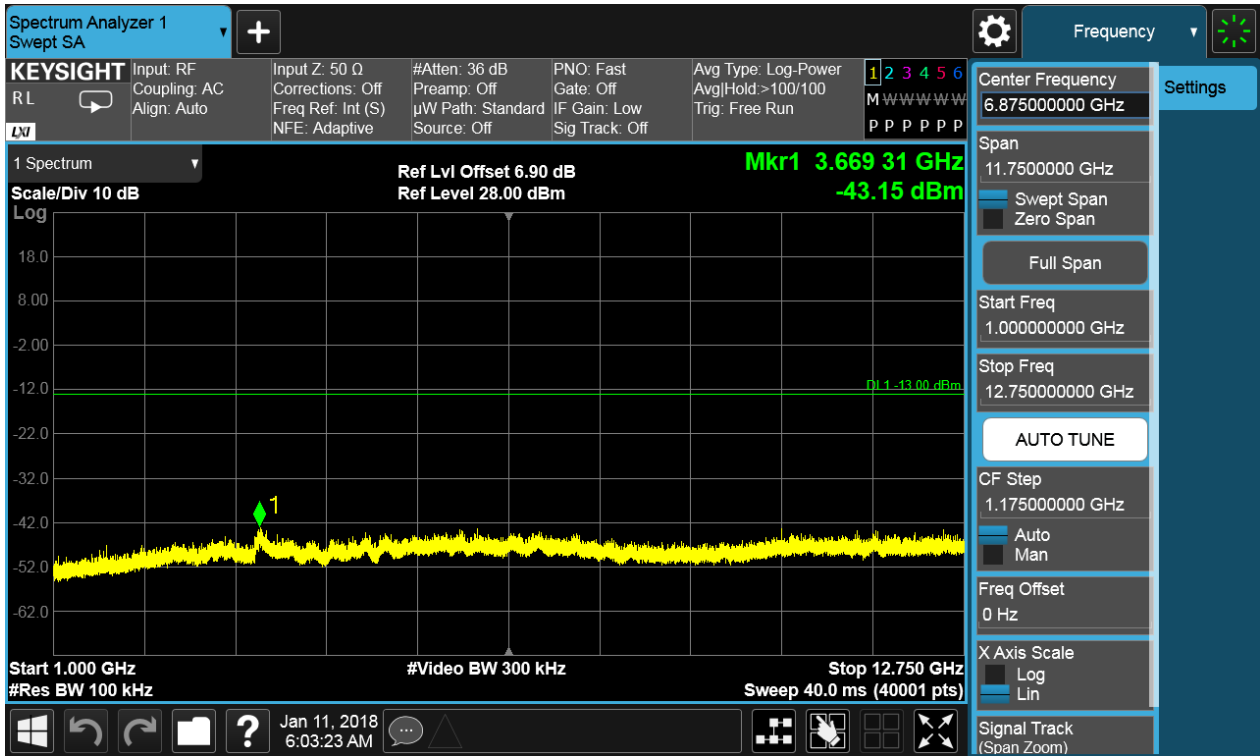
6.1.1.2.4.3 Test Channel = HCH

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

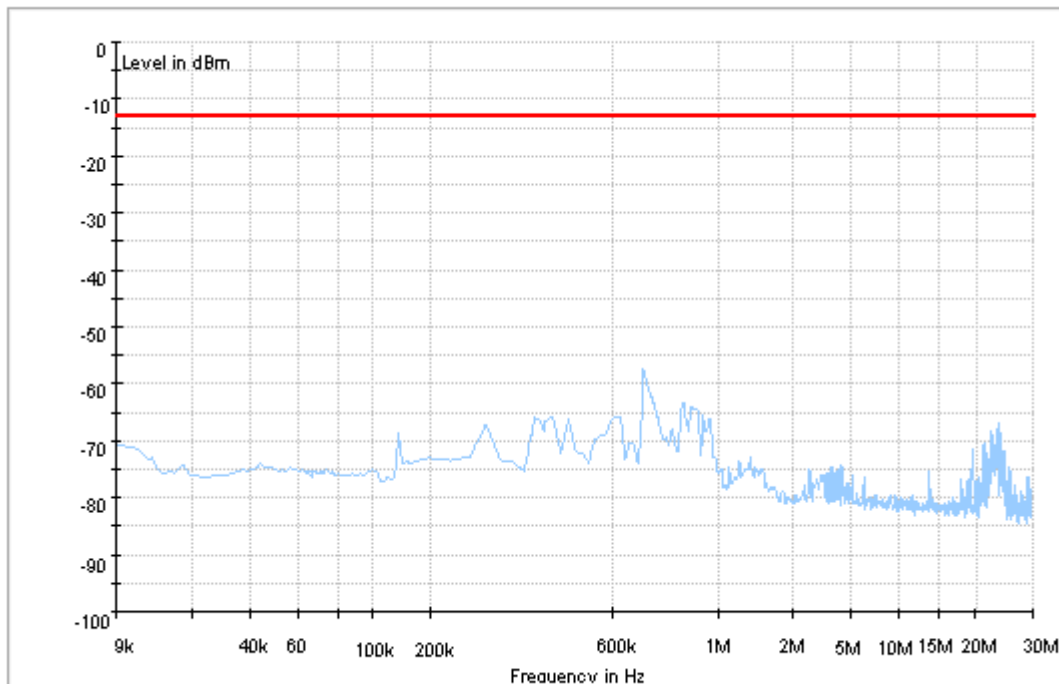
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

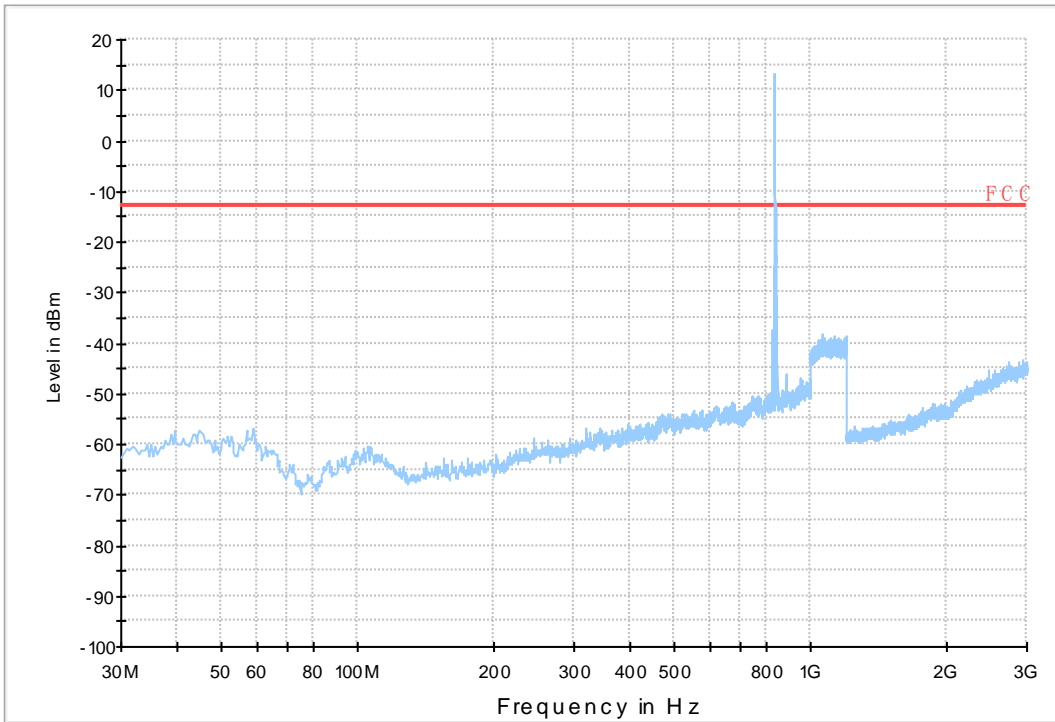
7.1 For LTE

7.1.1 Test Band = BAND5_ANT1

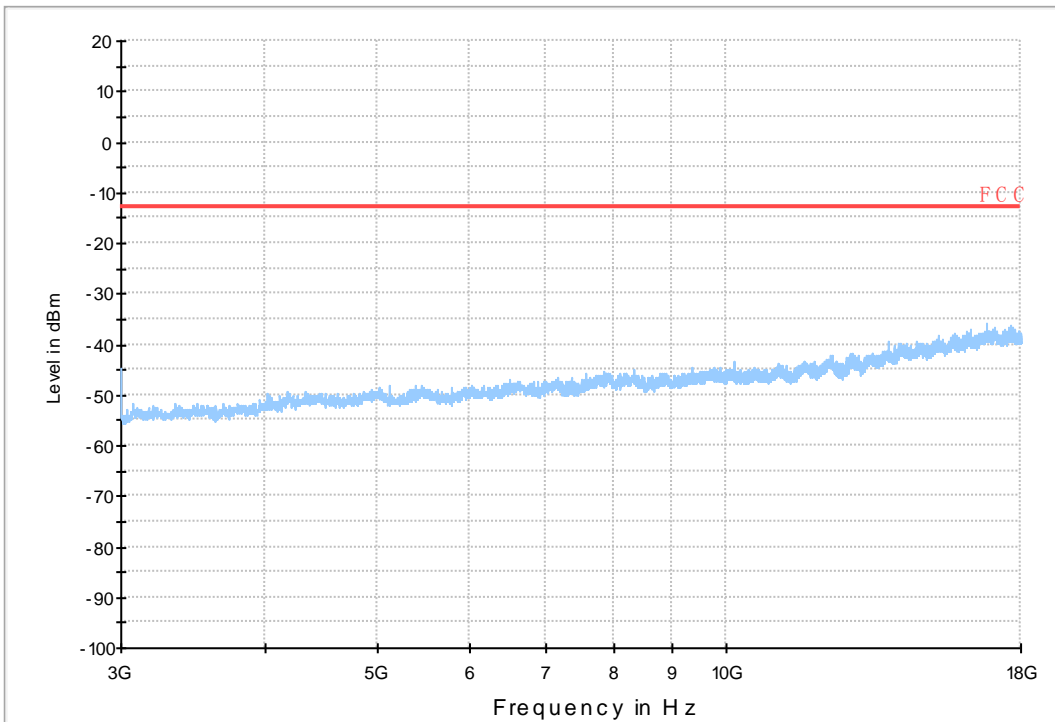
7.1.1.1 Test Bandwidth = 1.4



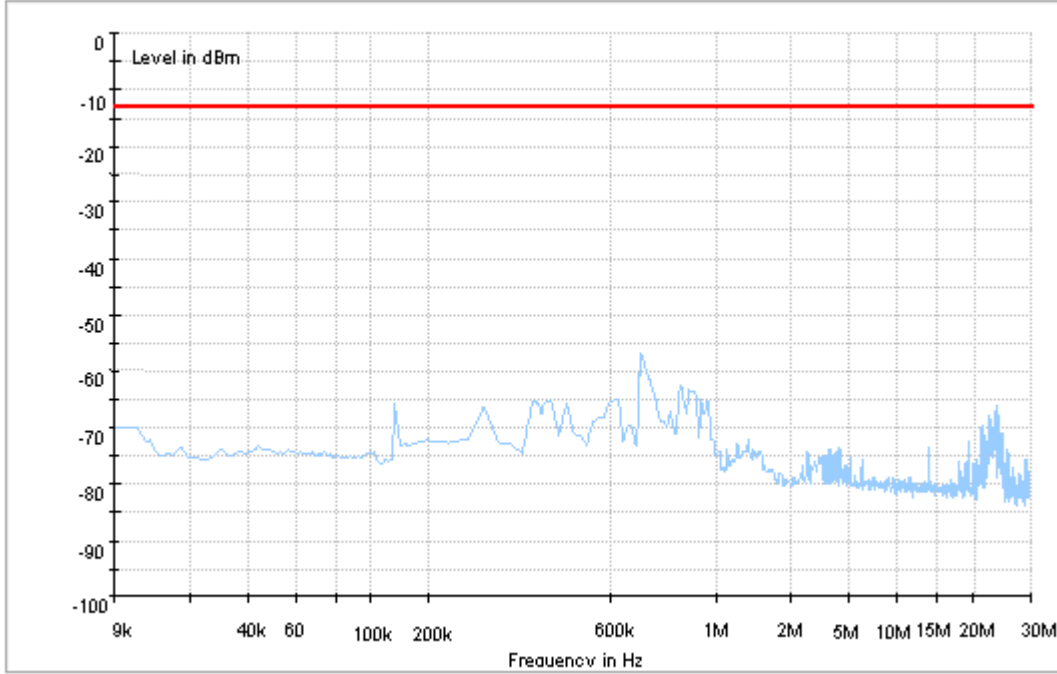
Copy of RSE-TX-DIRECTOR BELOW 1G_L



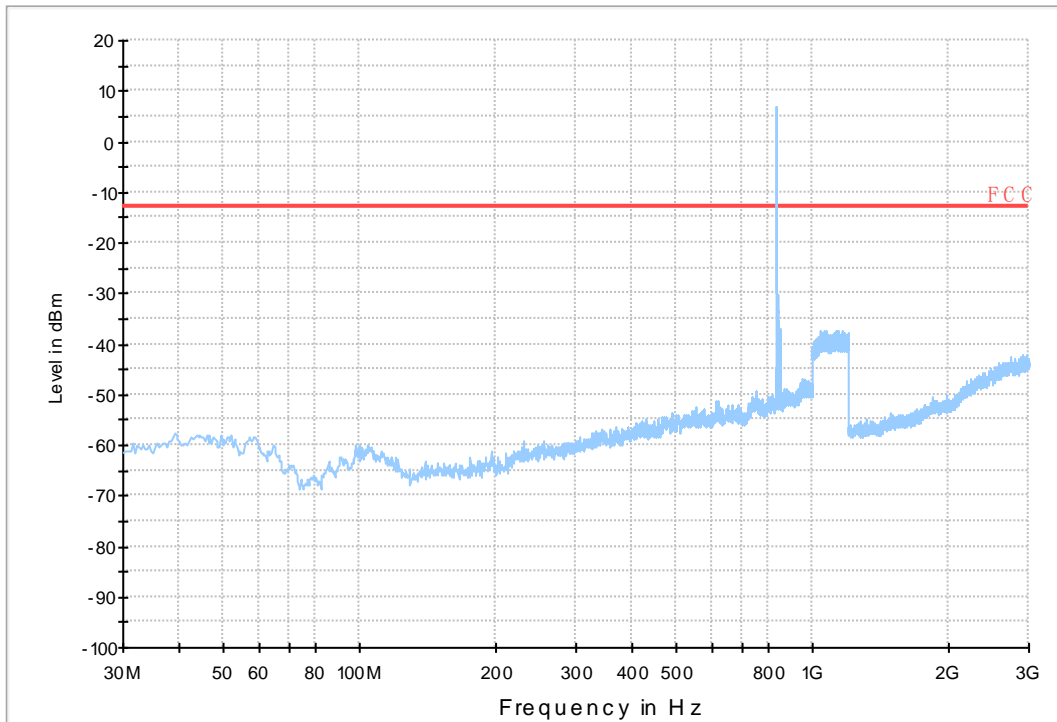
Copy of RSE-TX-DIRECTOR BELOW 1G_H



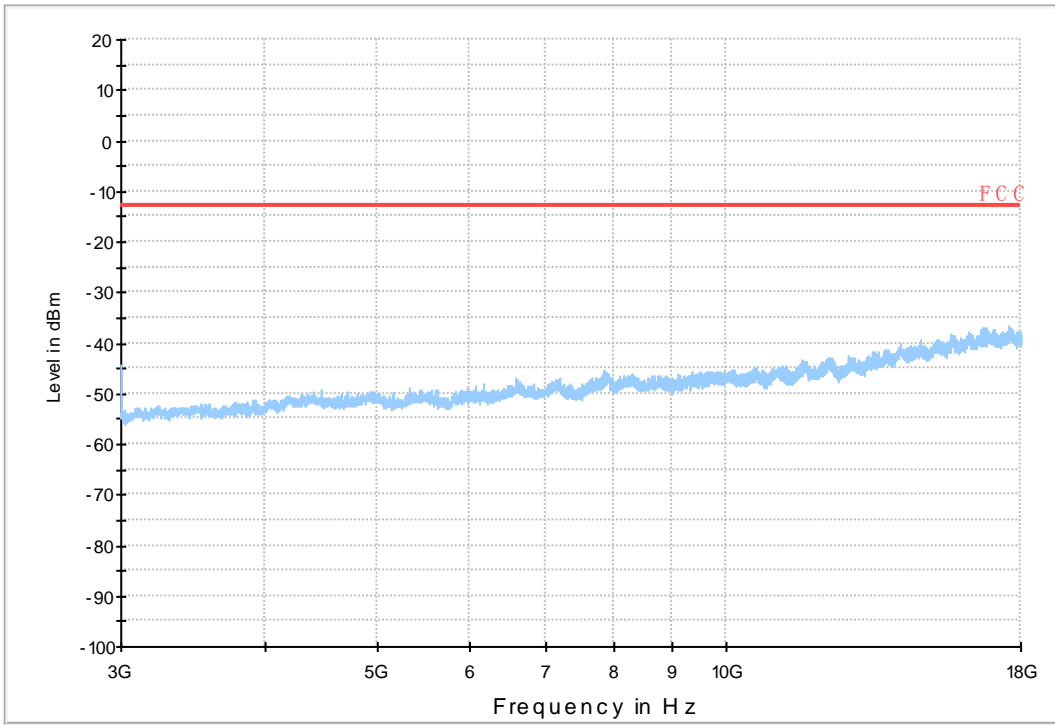
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

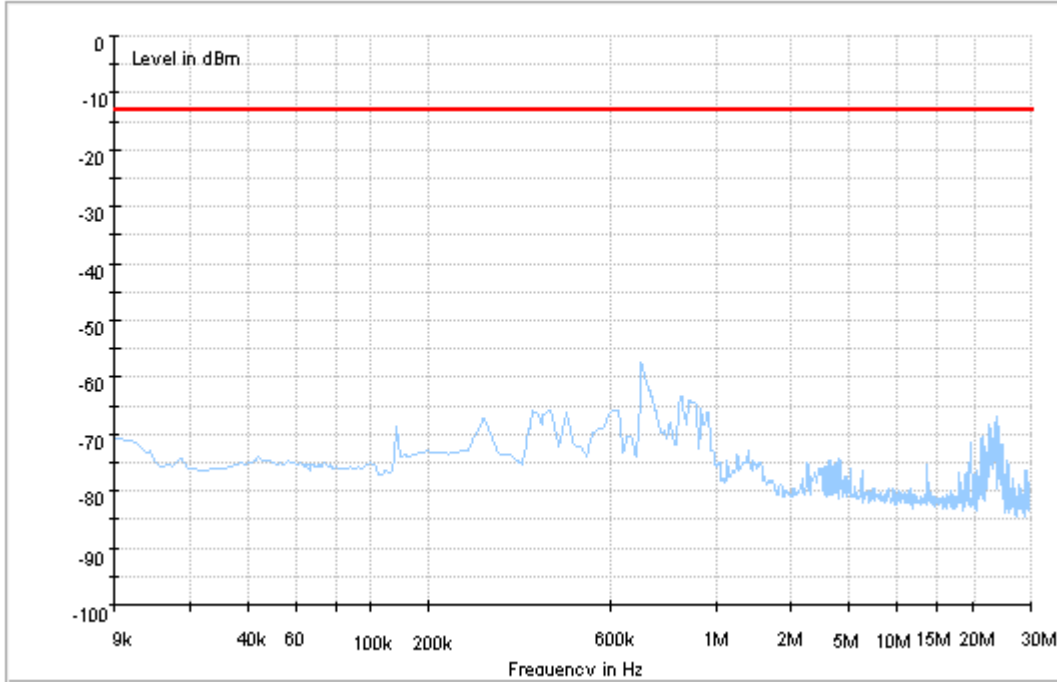


Copy of RSE-TX-DIRECTOR BELOW 1G_H

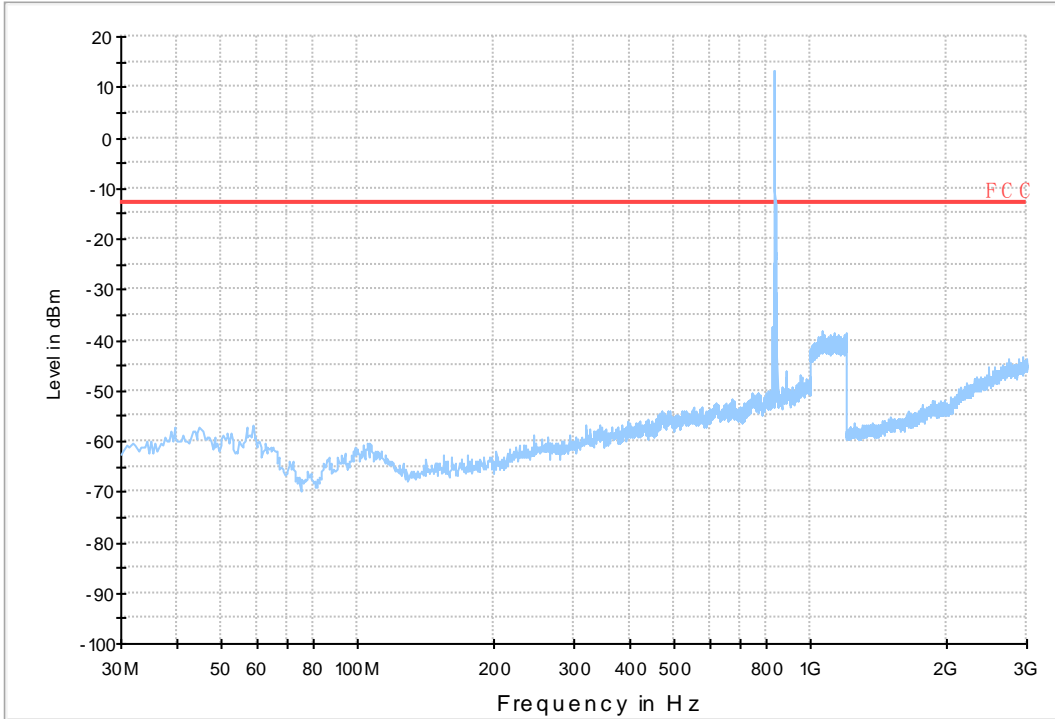


7.1.2 Test Band = BAND5_ANT2

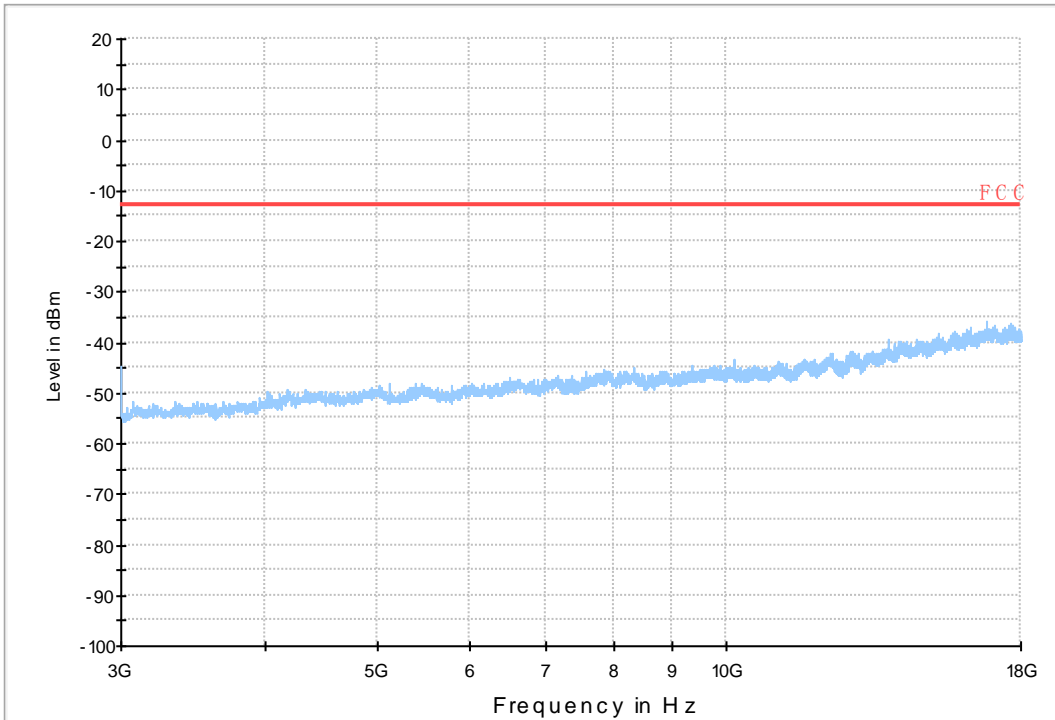
7.1.2.1 Test Bandwidth = 1.4



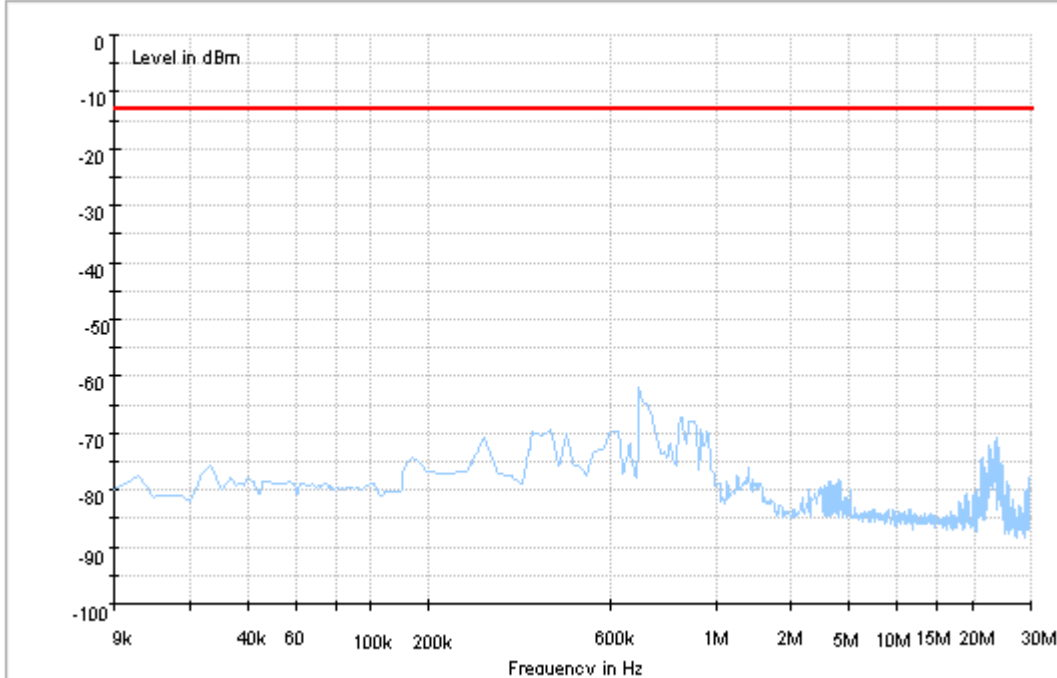
Copy of RSE-TX-DIRECTOR BELOW 1G_L



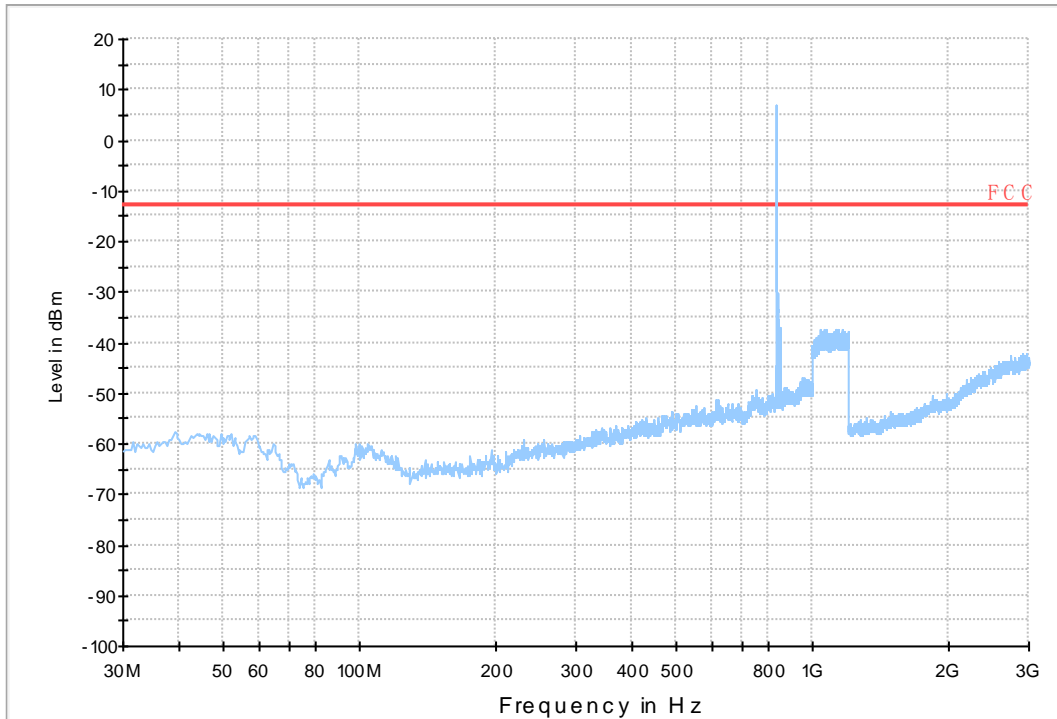
Copy of RSE-TX-DIRECTOR BELOW 1G_H



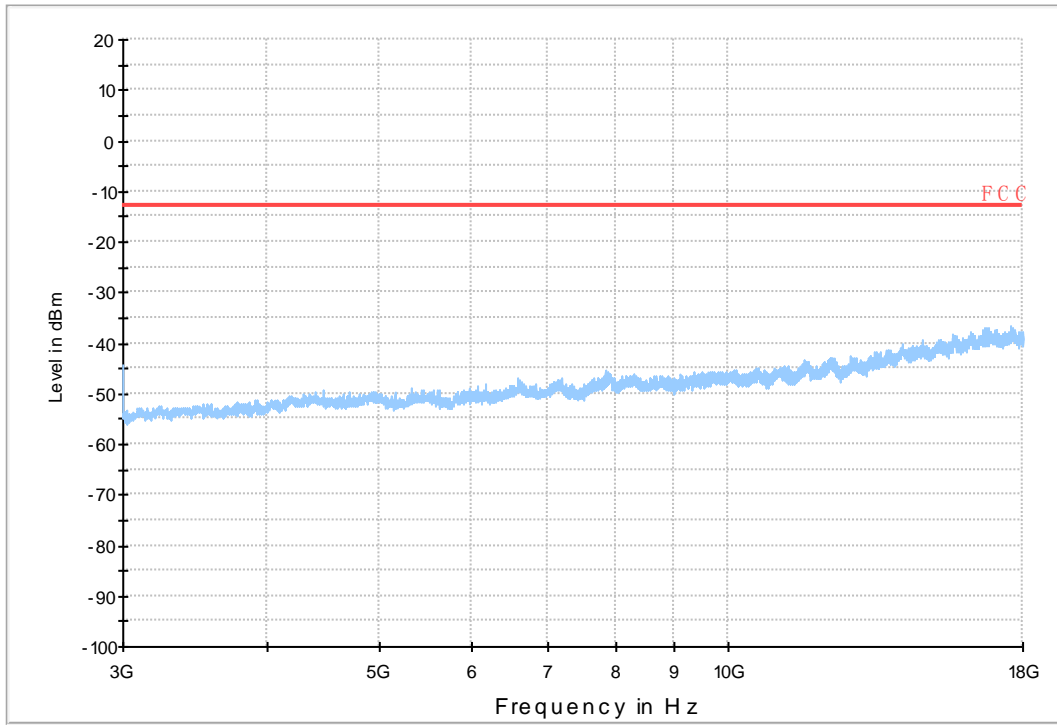
7.1.2.2 Test Bandwidth = 10



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	-4.49	-0.00544	PASS
					VN	-1.04	-0.00126	PASS
					VH	-6.75	-0.00818	PASS
			MCH	TN	VL	21.30	0.02546	PASS
					VN	8.68	0.01038	PASS
					VH	2.19	0.00262	PASS
			HCH	TN	VL	4.32	0.00509	PASS
					VN	7.67	0.00904	PASS
					VH	-2.95	-0.00348	PASS
		3	LCH	TN	VL	-0.09	-0.00011	PASS
					VN	-0.03	-0.00004	PASS
					VH	-1.65	-0.002	PASS
			MCH	TN	VL	-5.39	-0.00644	PASS
					VN	-8.68	-0.01038	PASS
					VH	-1.23	-0.00147	PASS
			HCH	TN	VL	-1.59	-0.00188	PASS
					VN	-9.06	-0.01069	PASS
					VH	11.79	0.01391	PASS
		5	LCH	TN	VL	-1.33	-0.00161	PASS
					VN	-0.76	-0.00092	PASS
					VH	-1.23	-0.00149	PASS
			MCH	TN	VL	-4.21	-0.00503	PASS
					VN	-11.06	-0.01322	PASS
					VH	-6.87	-0.00821	PASS
			HCH	TN	VL	-2.23	-0.00263	PASS
					VN	-1.97	-0.00233	PASS
					VH	8.91	0.01053	PASS
10	LCH	TN	VL	1.02	0.00123	PASS		
			VN	-0.40	-0.00048	PASS		
			VH	-0.72	-0.00087	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	-1.24	-0.00148	PASS
					VN	-2.59	-0.0031	PASS
					VH	-3.19	-0.00381	PASS
			HCH	TN	VL	2.13	0.00252	PASS
					VN	-2.47	-0.00293	PASS
					VH	0.06	0.00007	PASS
		1.4	LCH	TN	VL	0.99	0.0012	PASS
					VN	1.73	0.0021	PASS
					VH	0.13	0.00016	PASS
			MCH	TN	VL	15.09	0.01804	PASS
					VN	-7.41	-0.00886	PASS
					VH	-1.30	-0.00155	PASS
			HCH	TN	VL	-6.28	-0.0074	PASS
					VN	-9.11	-0.01074	PASS
					VH	18.53	0.02184	PASS
		3	LCH	TN	VL	-0.04	-0.00005	PASS
					VN	-1.49	-0.0018	PASS
					VH	2.63	0.00319	PASS
			MCH	TN	VL	-6.25	-0.00747	PASS
					VN	-5.32	-0.00636	PASS
					VH	-6.94	-0.0083	PASS
			HCH	TN	VL	-5.69	-0.00671	PASS
					VN	3.50	0.00413	PASS
					VH	-10.13	-0.01195	PASS
		5	LCH	TN	VL	-1.14	-0.00138	PASS
					VN	-0.39	-0.00047	PASS
					VH	0.43	0.00052	PASS
			MCH	TN	VL	-0.03	-0.00004	PASS
					VN	-3.68	-0.0044	PASS
					VH	0.46	0.00055	PASS
			HCH	TN	VL	3.75	0.00443	PASS
					VN	0.50	0.00059	PASS
					VH	-5.16	-0.0061	PASS
		10	LCH	TN	VL	4.43	0.00534	PASS
					VN	0.51	0.00062	PASS
					VH	2.07	0.0025	PASS
			MCH	TN	VL	0.16	0.00019	PASS
					VN	1.17	0.0014	PASS
					VH	0.51	0.00061	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	-9.47	-0.01122	PASS
					VN	-6.45	-0.00764	PASS
					VH	-6.48	-0.00768	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	1.99	0.00241	PASS
					-20	3.39	0.00411	PASS
					-10	2.37	0.00287	PASS
					0	-1.44	-0.00175	PASS
					10	2.89	0.0035	PASS
					20	-1.34	-0.00162	PASS
					30	0.80	0.00097	PASS
					40	-3.25	-0.00394	PASS
			50	-6.25	-0.00758	PASS		
			MCH	VN	-30	-4.02	-0.00481	PASS
					-20	20.66	0.0247	PASS
					-10	-84.09	-0.10053	PASS
					0	-6.59	-0.00788	PASS
					10	9.27	0.01108	PASS
					20	18.42	0.02202	PASS
					30	-2.16	-0.00258	PASS
					40	16.52	0.01975	PASS
			HCH	VN	-30	-13.53	-0.01595	PASS
					-20	1.70	0.002	PASS
					-10	48.18	0.0568	PASS
					0	2.32	0.00273	PASS
					10	-7.24	-0.00853	PASS
					20	-2.78	-0.00328	PASS
					30	-5.69	-0.00671	PASS
		40			-11.96	-0.0141	PASS	
		50	-0.11	-0.00013	PASS			
		3	LCH	VN	-30	2.33	0.00282	PASS
					-20	-1.65	-0.002	PASS
					-10	0.92	0.00111	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					0	1.62	0.00196	PASS	
					10	-1.97	-0.00239	PASS	
					20	-0.54	-0.00065	PASS	
					30	3.50	0.00424	PASS	
					40	1.29	0.00156	PASS	
					50	1.13	0.00137	PASS	
			MCH	VN	-30	-2.06	-0.00246	PASS	
					-20	2.49	0.00298	PASS	
					-10	-3.49	-0.00417	PASS	
					0	-2.55	-0.00305	PASS	
					10	1.89	0.00226	PASS	
					20	-0.66	-0.00079	PASS	
					30	0.04	0.00005	PASS	
					40	-1.22	-0.00146	PASS	
			HCH	VN	50	2.40	0.00287	PASS	
					-30	5.82	0.00687	PASS	
					-20	-7.00	-0.00826	PASS	
					-10	-0.53	-0.00063	PASS	
					0	0.23	0.00027	PASS	
					10	3.79	0.00447	PASS	
					20	-7.12	-0.0084	PASS	
					30	6.27	0.0074	PASS	
			5	LCH	VN	40	-4.68	-0.00552	PASS
						50	-3.05	-0.0036	PASS
						-30	1.90	0.0023	PASS
						-20	1.93	0.00234	PASS
						-10	-0.17	-0.00021	PASS
						0	0.82	0.00099	PASS
						10	1.29	0.00156	PASS
						20	-1.19	-0.00144	PASS
						30	1.10	0.00133	PASS
						40	0.63	0.00076	PASS
			MCH	VN	50	0.62	0.00075	PASS	
					-30	1.30	0.00155	PASS	
					-20	3.76	0.00449	PASS	
					-10	-1.27	-0.00152	PASS	
0	-3.53	-0.00422			PASS				
10	-0.11	-0.00013			PASS				
					20	-1.97	-0.00236	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	-1.85	-0.00221	PASS		
					40	-0.47	-0.00056	PASS		
					50	-1.85	-0.00221	PASS		
			HCH	VN	-30	3.25	0.00384	PASS		
					-20	0.62	0.00073	PASS		
					-10	-1.50	-0.00177	PASS		
					0	-4.98	-0.00588	PASS		
					10	1.52	0.0018	PASS		
					20	0.97	0.00115	PASS		
					30	5.79	0.00684	PASS		
					40	14.12	0.01668	PASS		
					50	4.03	0.00476	PASS		
					LCH	VN	-30	-0.10	-0.00012	PASS
							-20	1.00	0.00121	PASS
							-10	1.40	0.00169	PASS
		0	0.06	0.00007			PASS			
		10	0.82	0.00099			PASS			
		20	2.49	0.003			PASS			
		30	0.06	0.00007			PASS			
		40	1.54	0.00186			PASS			
		50	1.86	0.00224			PASS			
		MCH	VN	-30	-1.00	-0.0012	PASS			
				-20	-2.06	-0.00246	PASS			
				-10	-0.27	-0.00032	PASS			
				0	-0.73	-0.00087	PASS			
				10	-3.52	-0.00421	PASS			
				20	-3.29	-0.00393	PASS			
				30	-2.19	-0.00262	PASS			
				40	-0.87	-0.00104	PASS			
		HCH	VN	50	-2.80	-0.00335	PASS			
				-30	-0.79	-0.00094	PASS			
				-20	1.89	0.00224	PASS			
				-10	2.10	0.00249	PASS			
				0	1.56	0.00185	PASS			
				10	4.76	0.00564	PASS			
				20	1.39	0.00165	PASS			
				30	8.31	0.00985	PASS			
				40	0.89	0.00105	PASS			
				50	4.39	0.0052	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	LCH	VN	-30	-15.23	-0.01847	PASS
					-20	-3.55	-0.0043	PASS
					-10	1.93	0.00234	PASS
					0	-3.39	-0.00411	PASS
					10	-2.99	-0.00363	PASS
					20	2.69	0.00326	PASS
					30	0.72	0.00087	PASS
					40	-4.06	-0.00492	PASS
					50	0.30	0.00036	PASS
			MCH	VN	-30	1.54	0.00184	PASS
					-20	0.47	0.00056	PASS
					-10	-4.09	-0.00489	PASS
					0	-20.37	-0.02435	PASS
					10	-6.01	-0.00718	PASS
					20	1.75	0.00209	PASS
					30	13.68	0.01635	PASS
					40	2.09	0.0025	PASS
					50	-6.34	-0.00758	PASS
		HCH	VN	-30	-15.44	-0.0182	PASS	
				-20	-1.40	-0.00165	PASS	
				-10	19.86	0.02341	PASS	
				0	-2.66	-0.00314	PASS	
				10	17.08	0.02013	PASS	
				20	-11.93	-0.01406	PASS	
				30	-7.24	-0.00853	PASS	
				40	-7.80	-0.00919	PASS	
				50	13.66	0.0161	PASS	
		3	LCH	VN	-30	4.22	0.00511	PASS
					-20	1.79	0.00217	PASS
					-10	1.19	0.00144	PASS
					0	2.15	0.0026	PASS
					10	4.13	0.005	PASS
					20	0.70	0.00085	PASS
					30	1.17	0.00142	PASS
					40	1.69	0.00205	PASS
					50	4.21	0.0051	PASS
MCH	VN		-30	-7.61	-0.0091	PASS		
			-20	-3.96	-0.00473	PASS		
			-10	-7.14	-0.00854	PASS		