

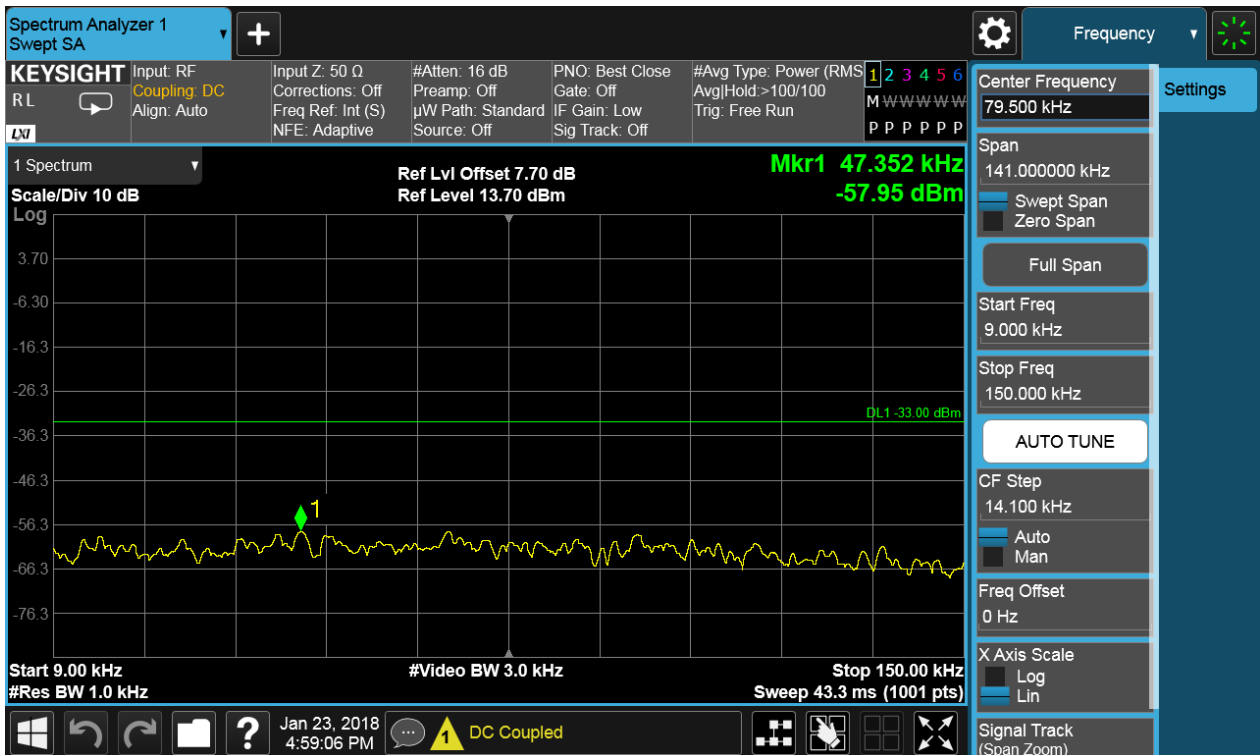


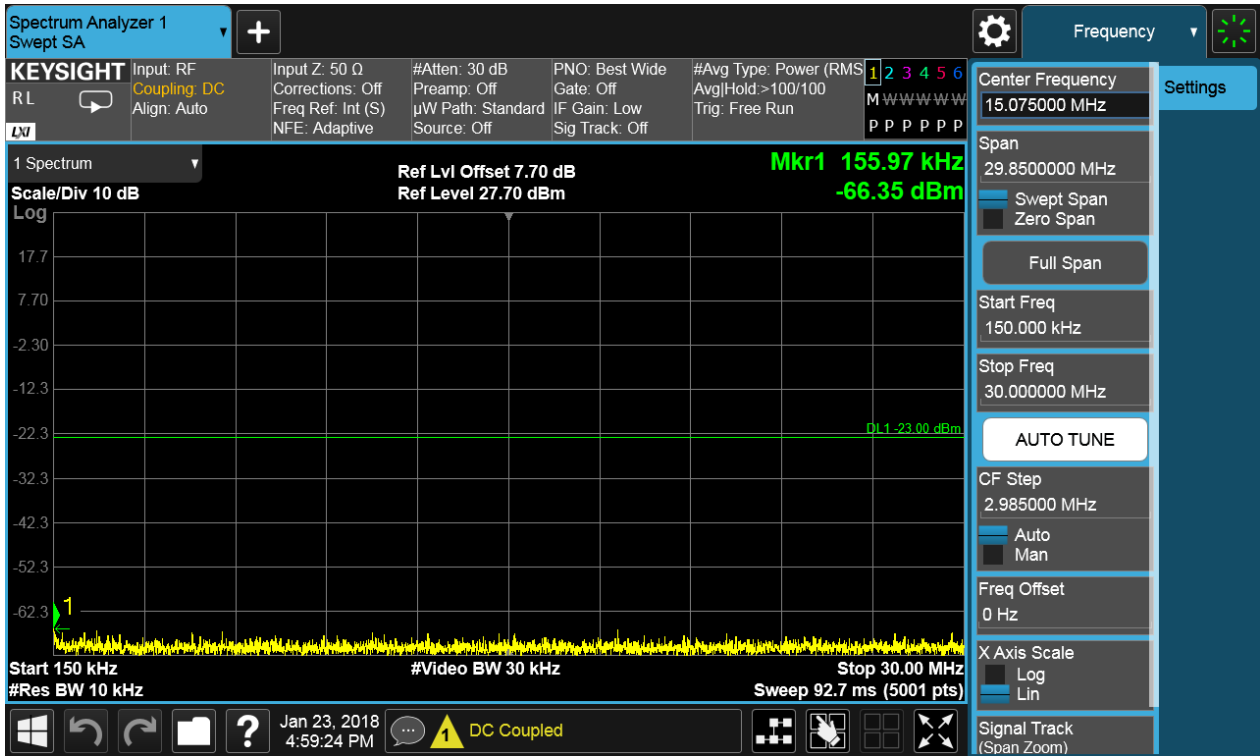
6.1.1.2 Test Mode = LTE/TM2

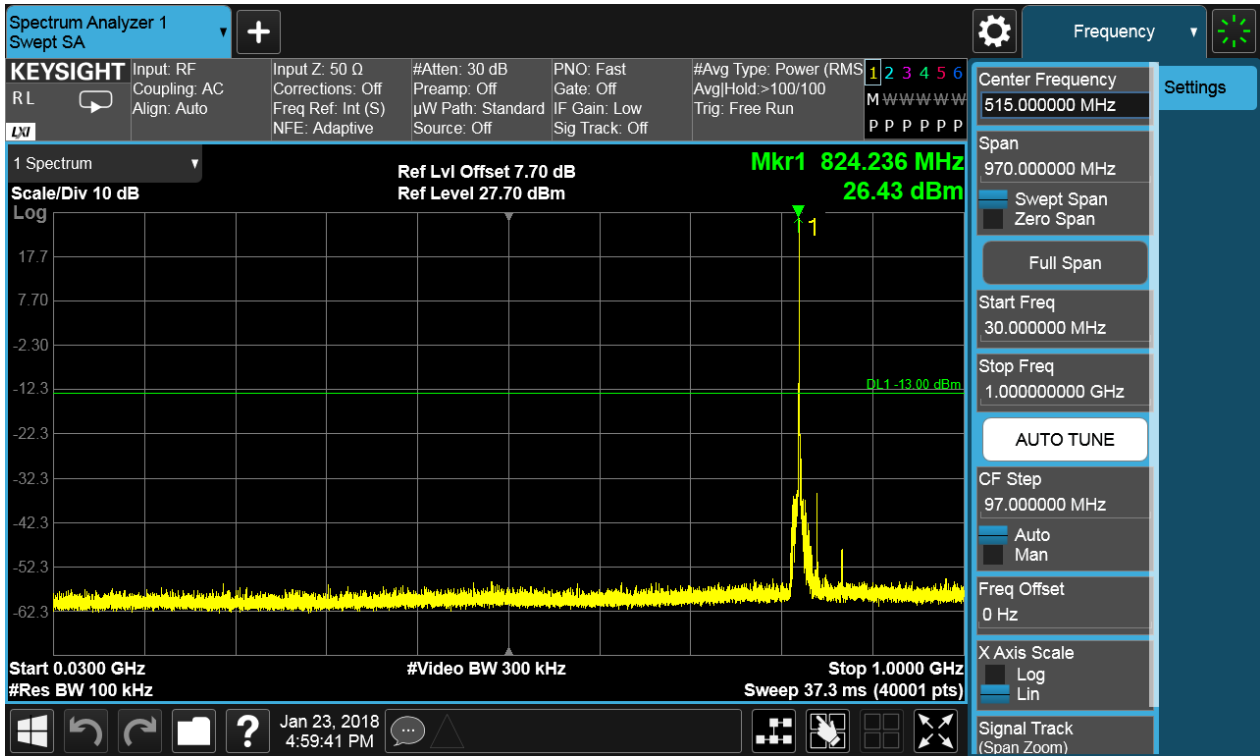
6.1.1.2.1 Test Bandwidth = 1.4

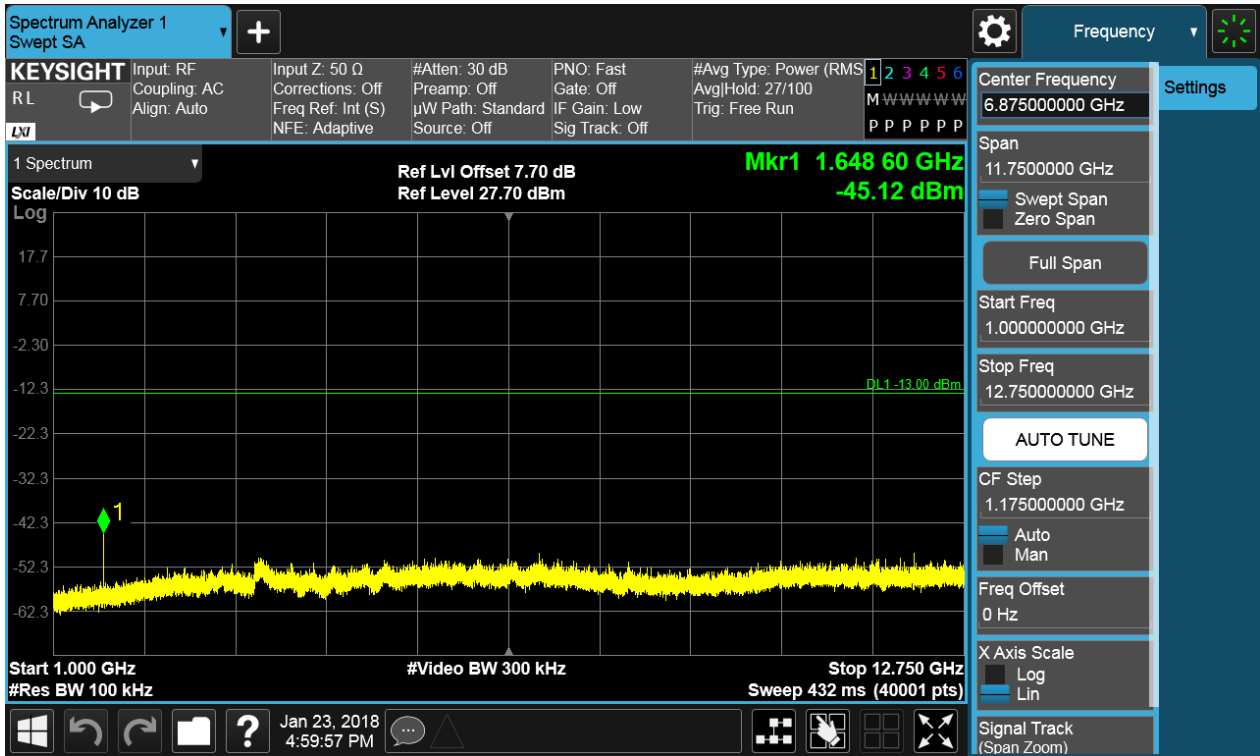
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





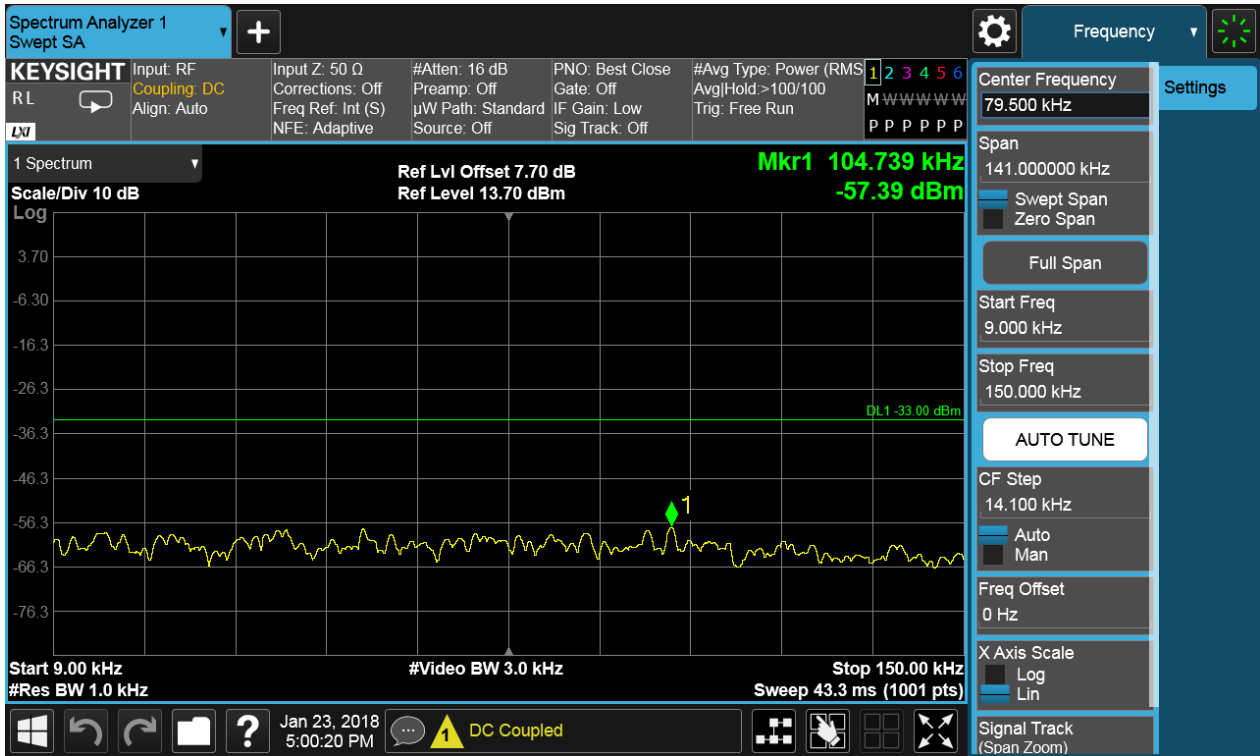


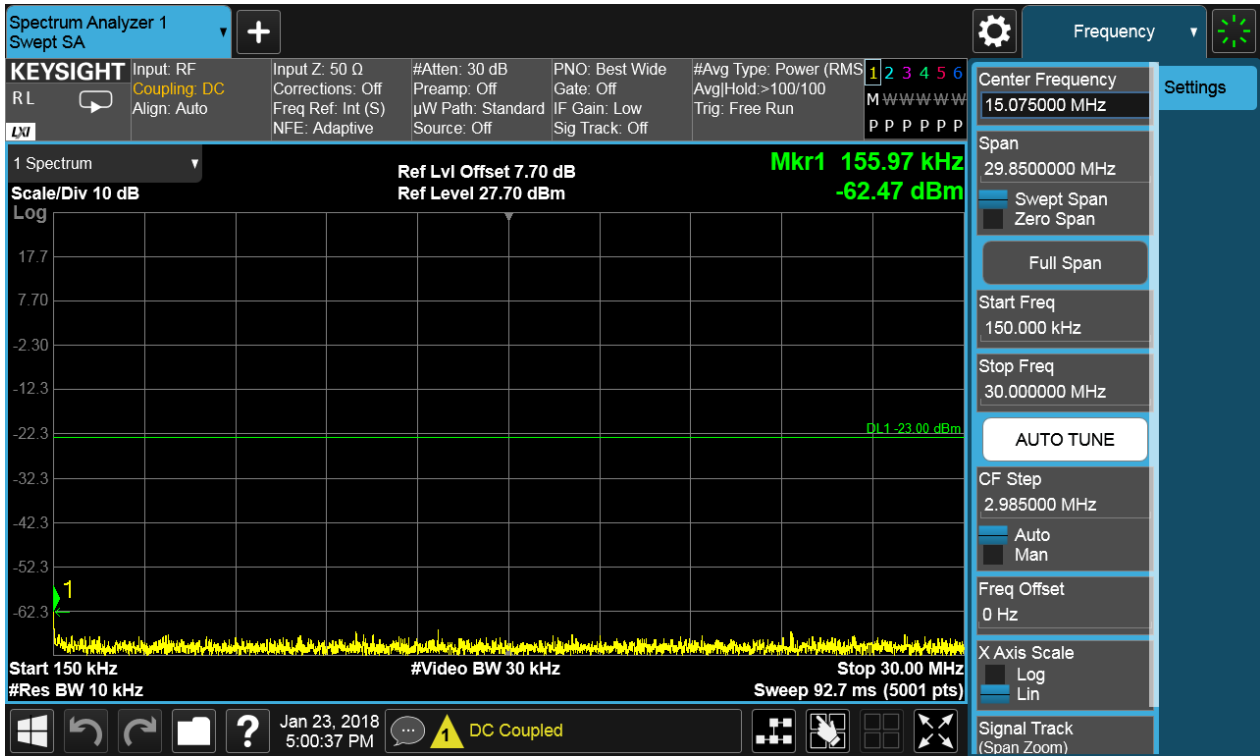


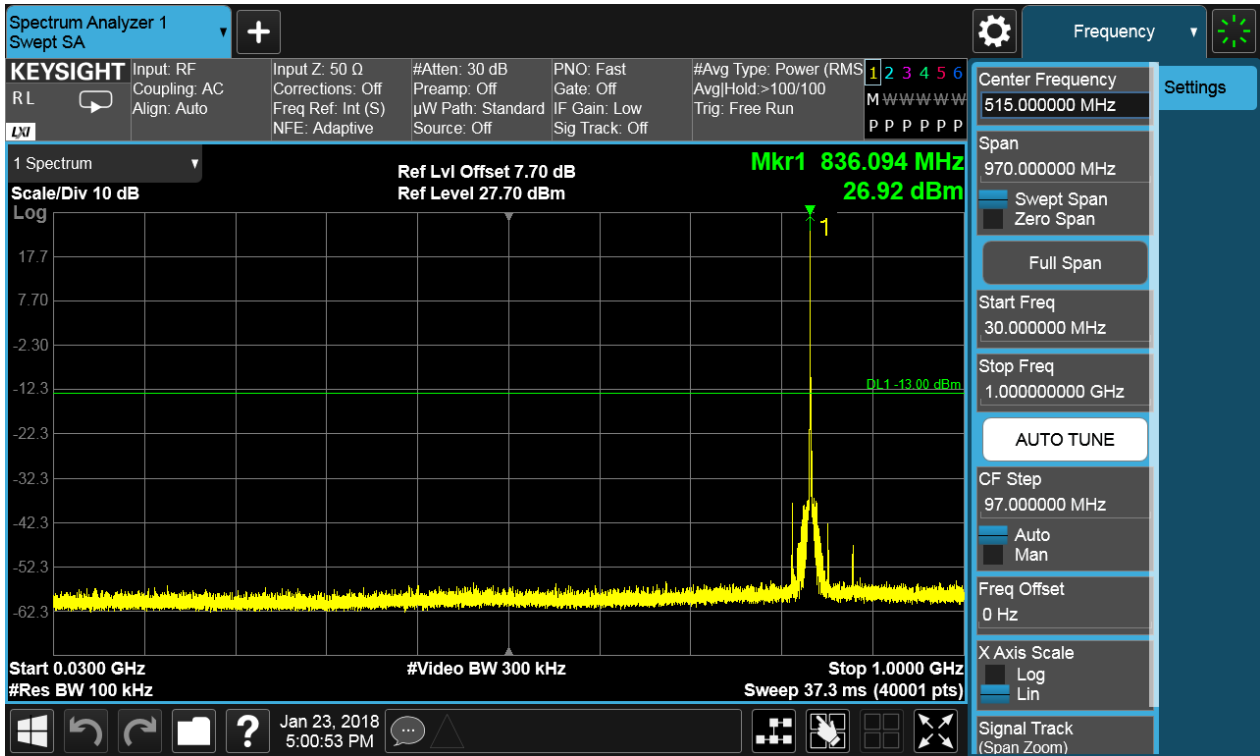


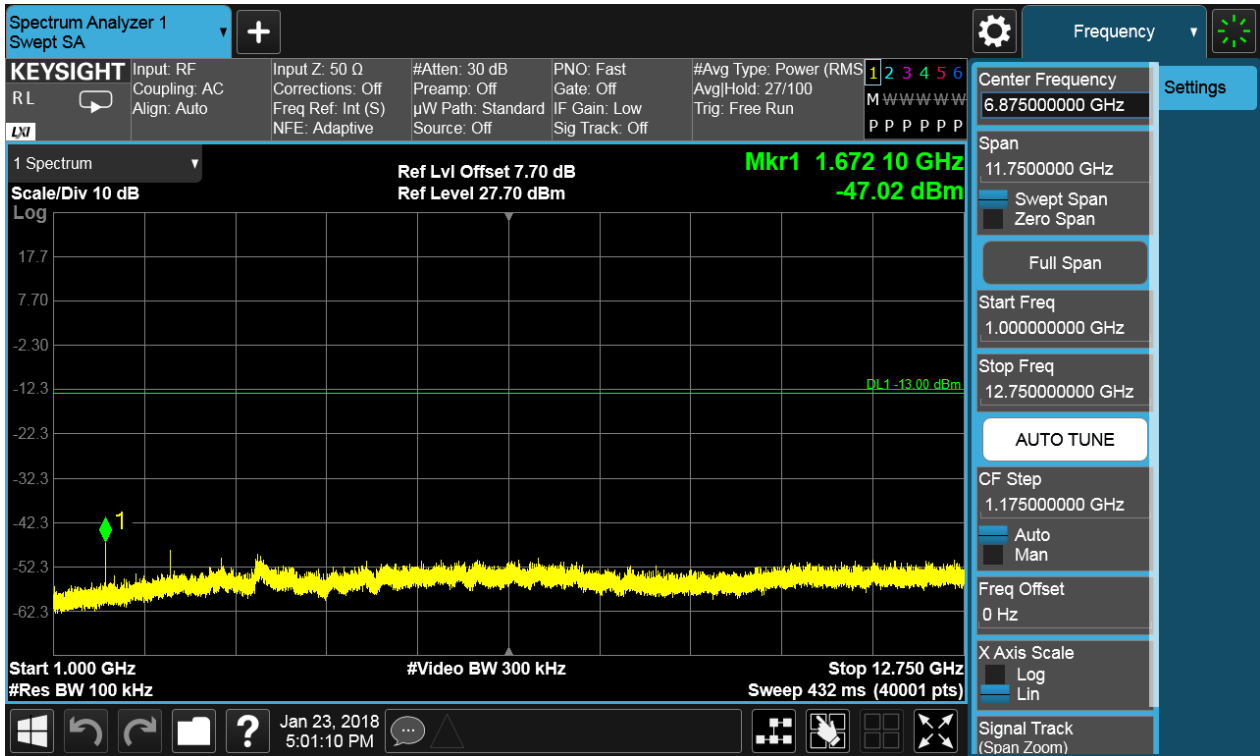
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





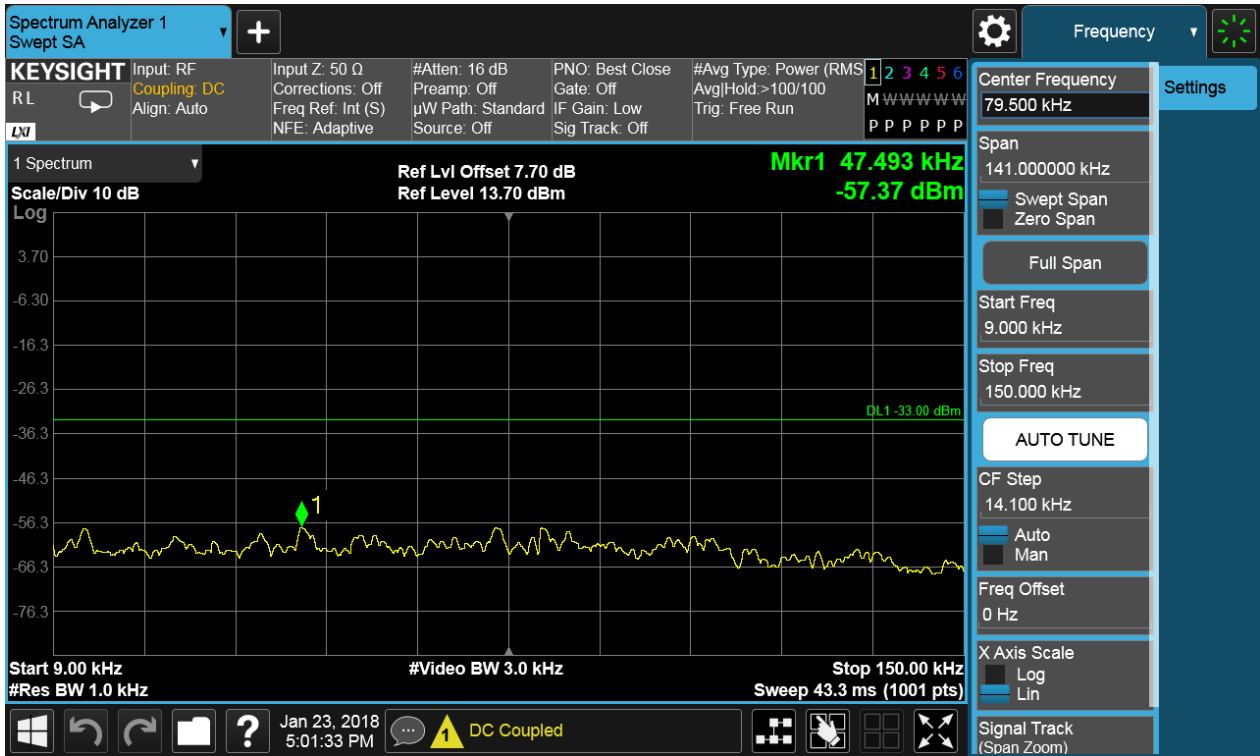


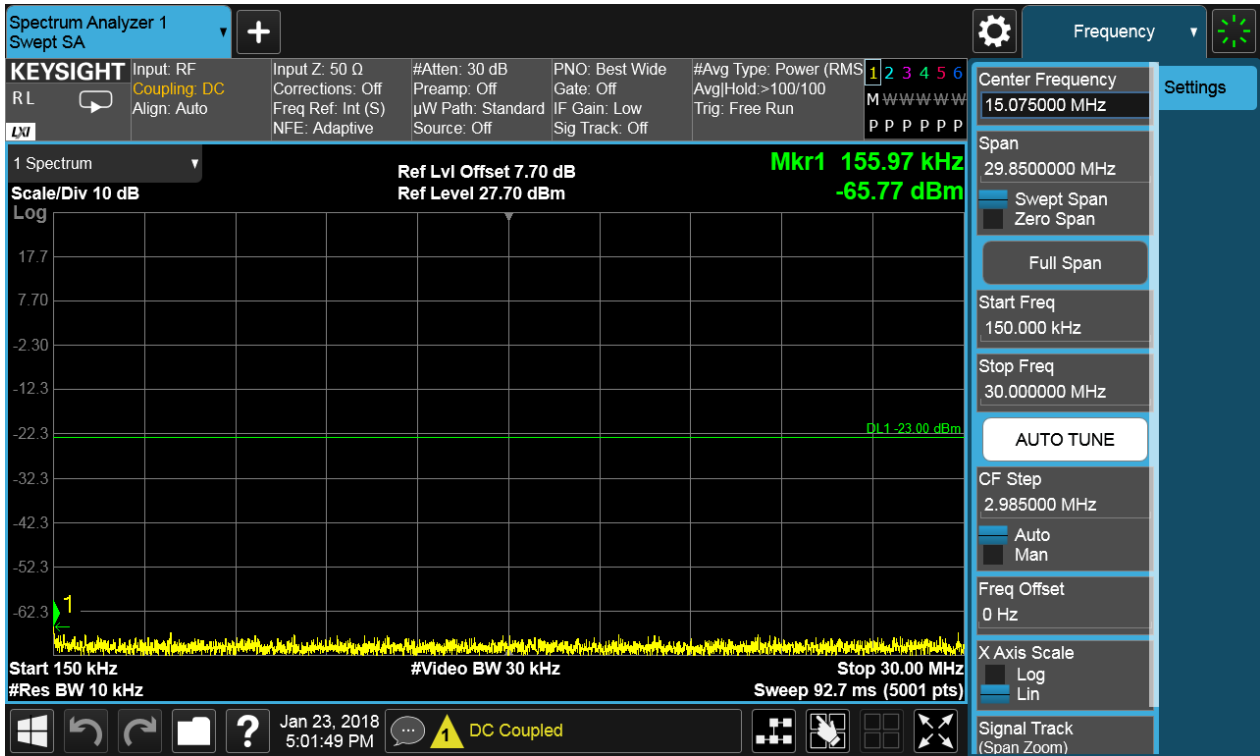


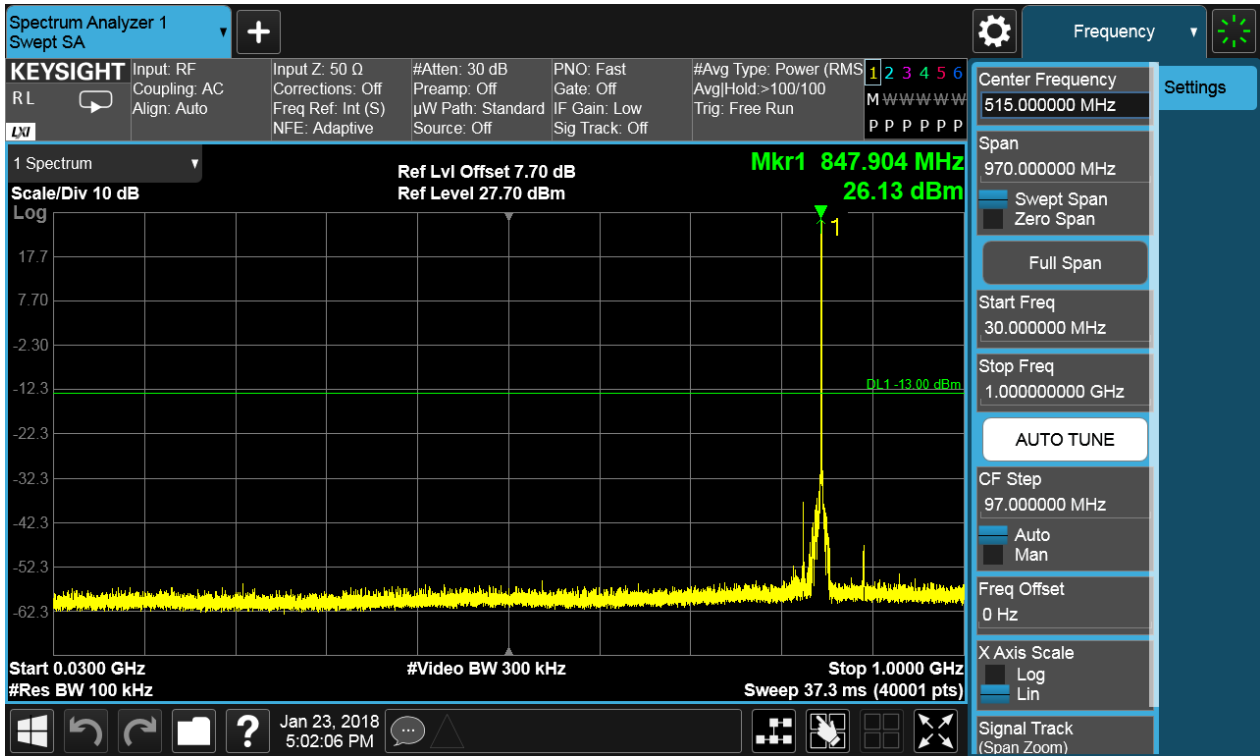


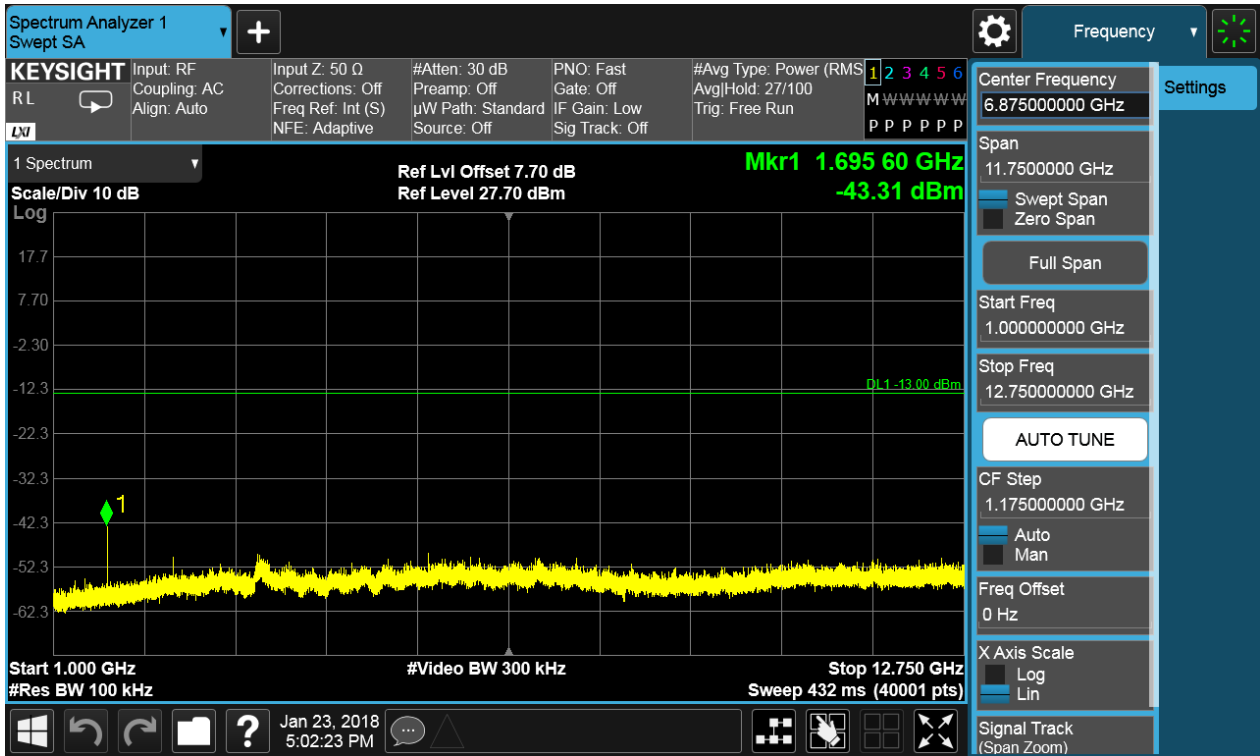
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





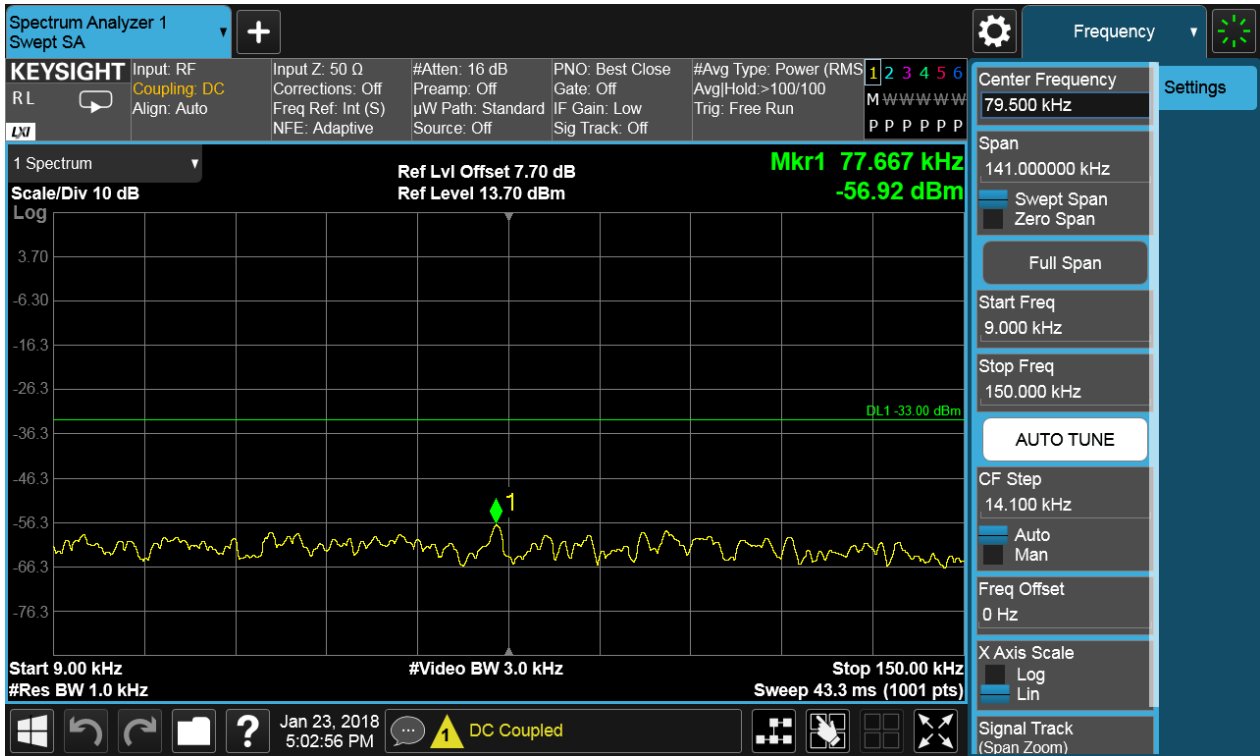


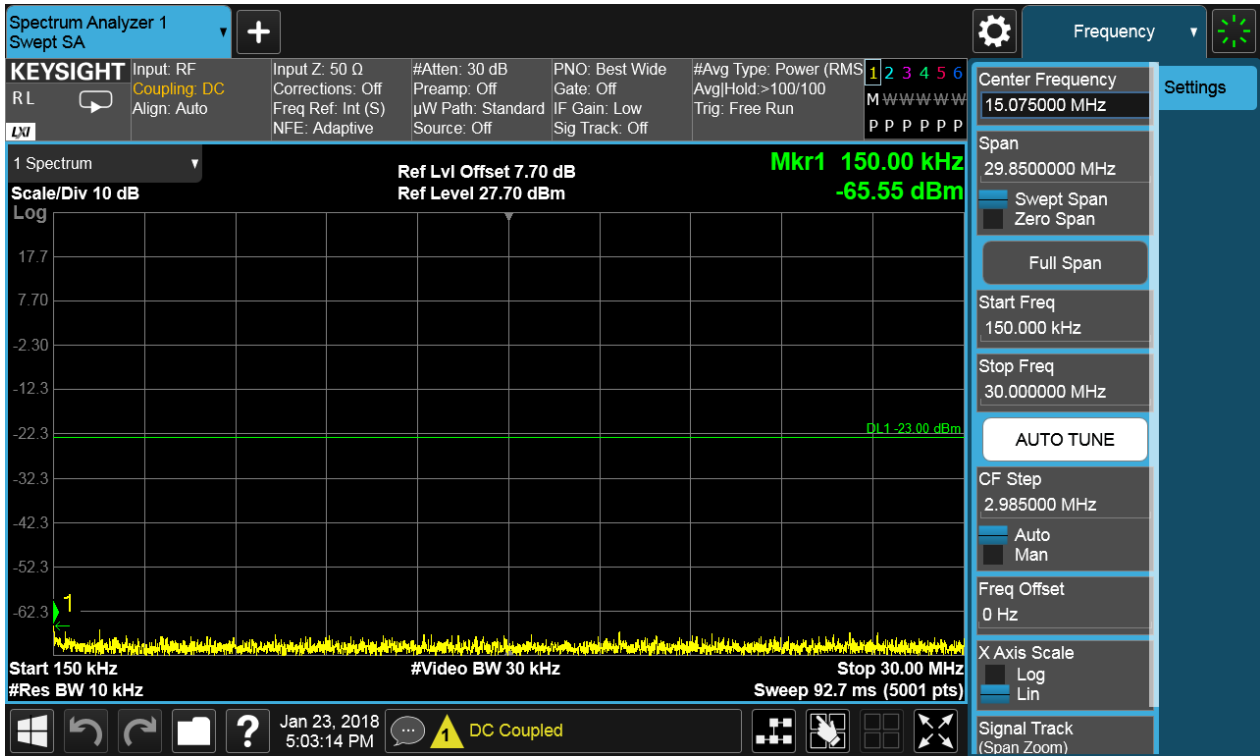


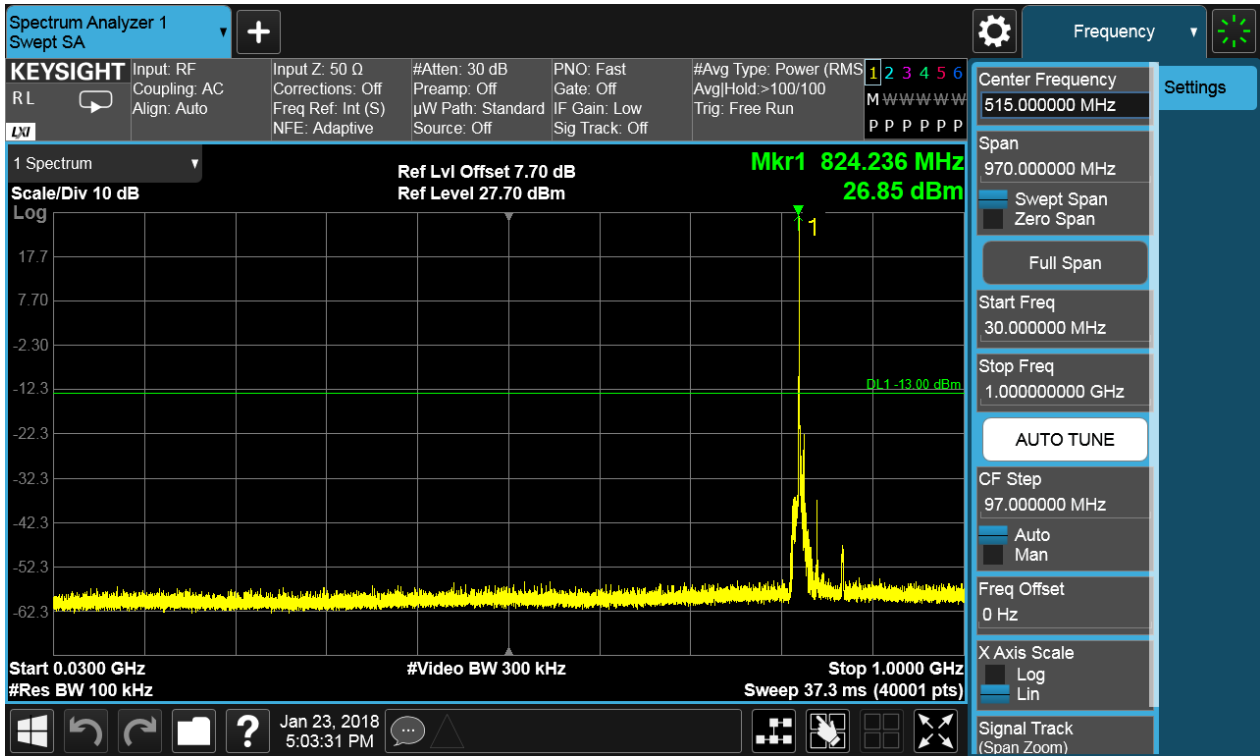
6.1.1.2.2 Test Bandwidth = 3

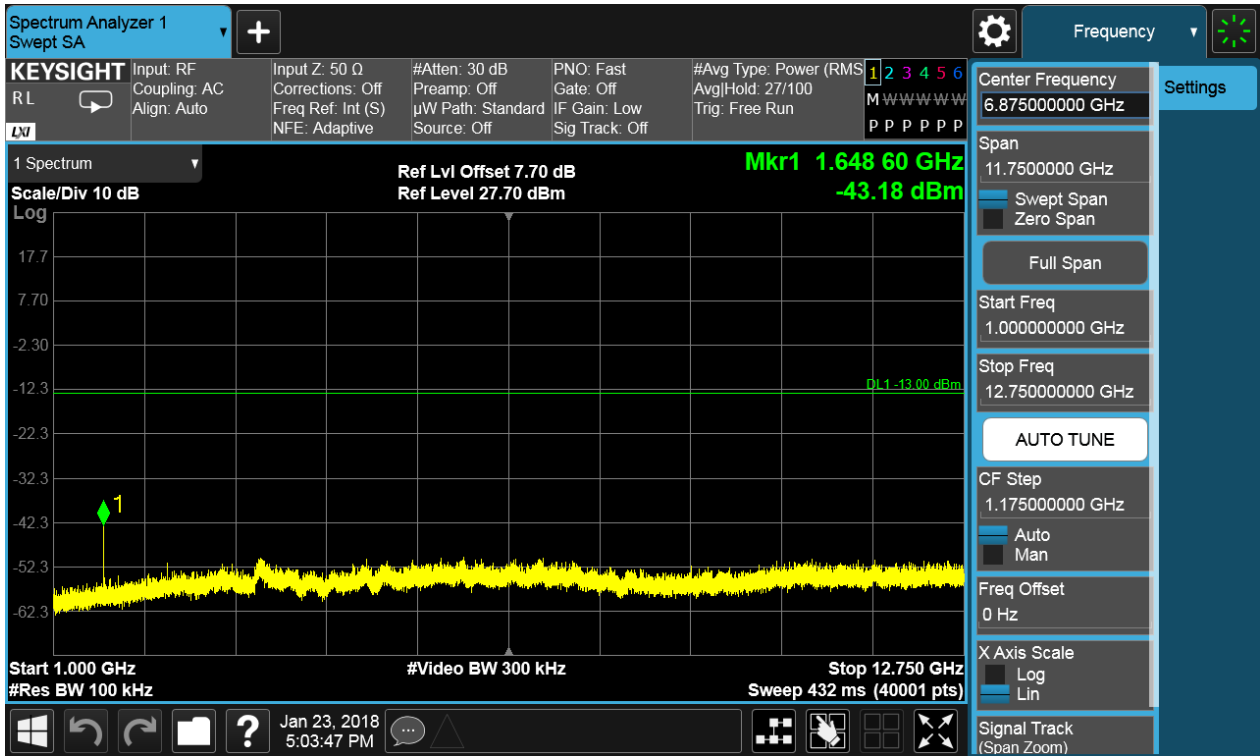
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



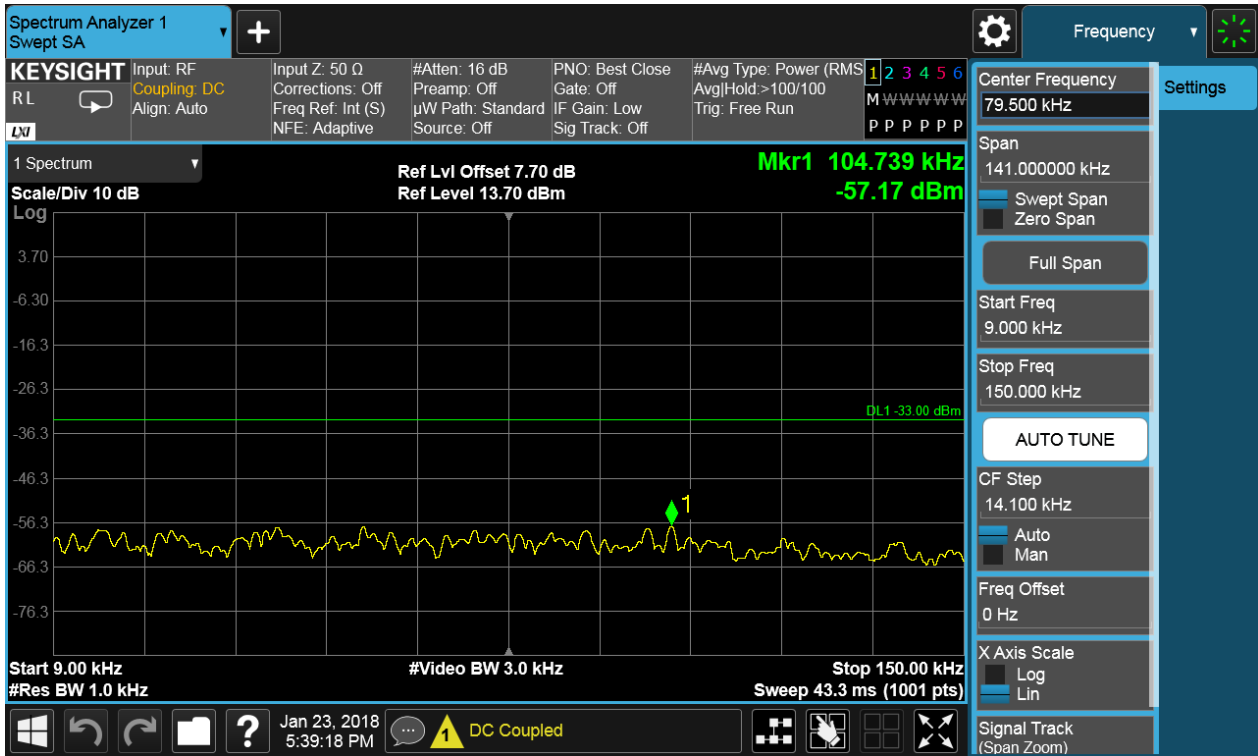


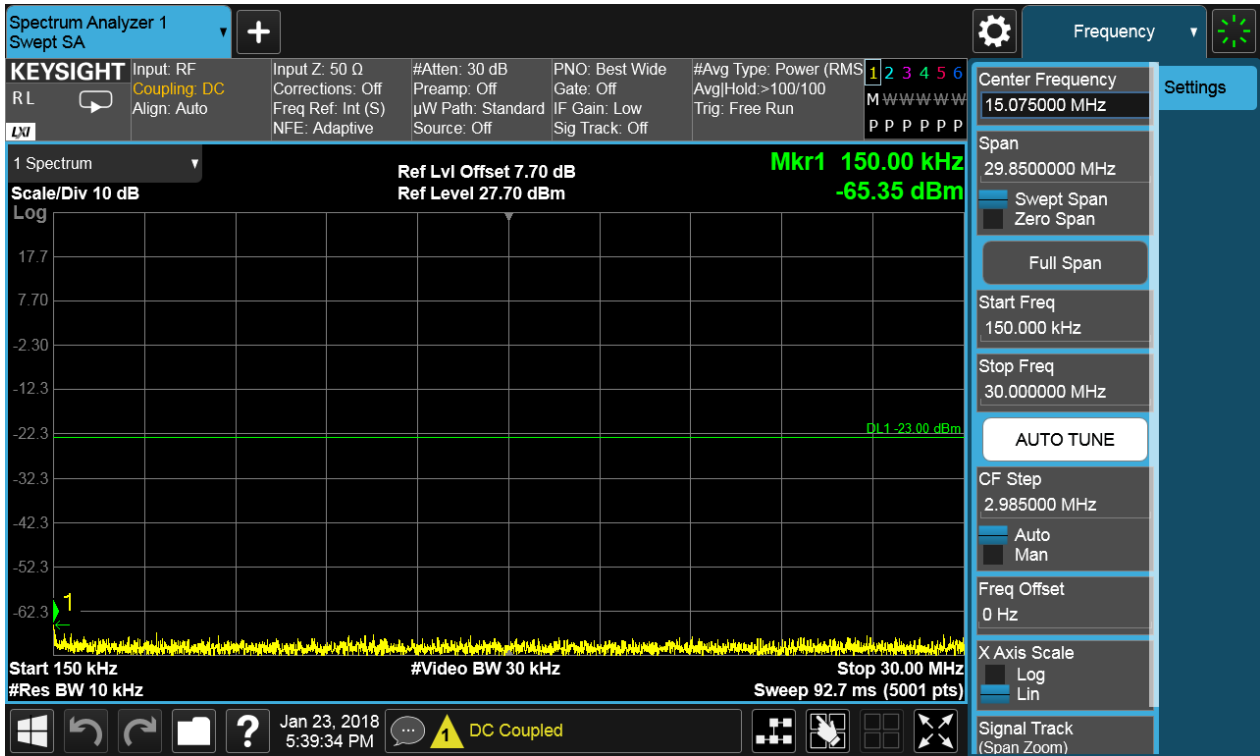


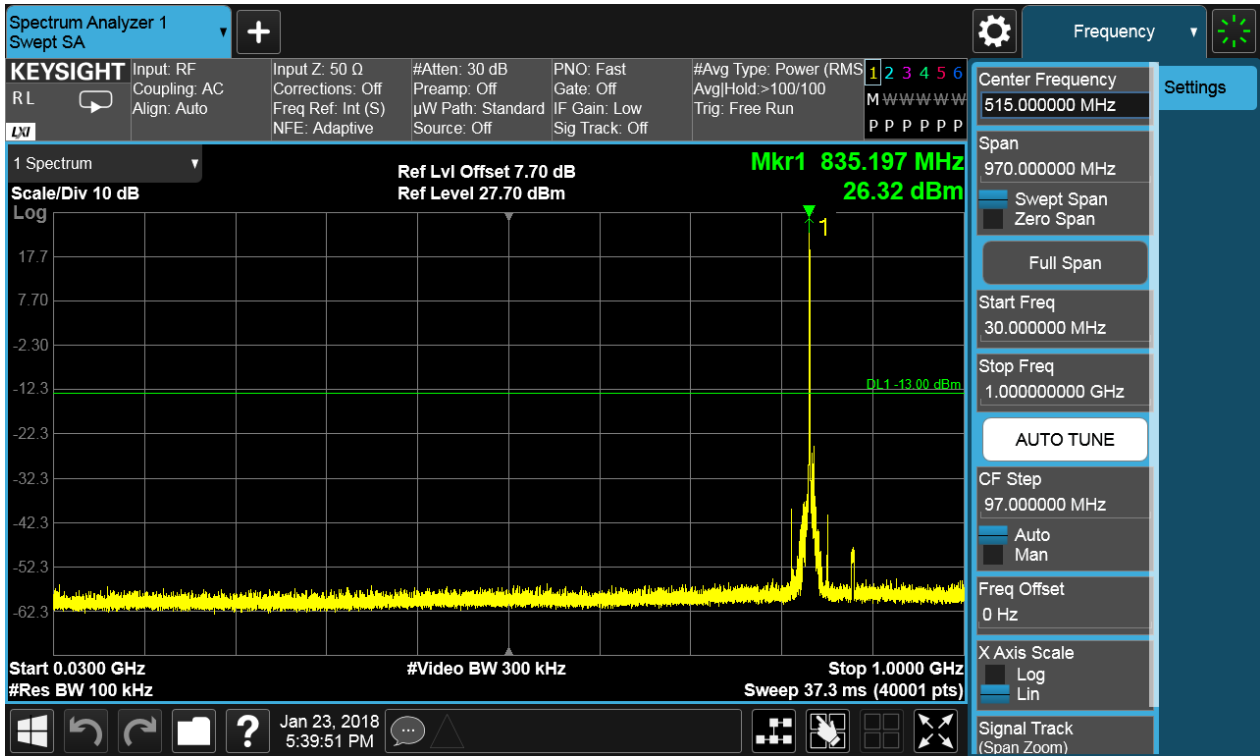


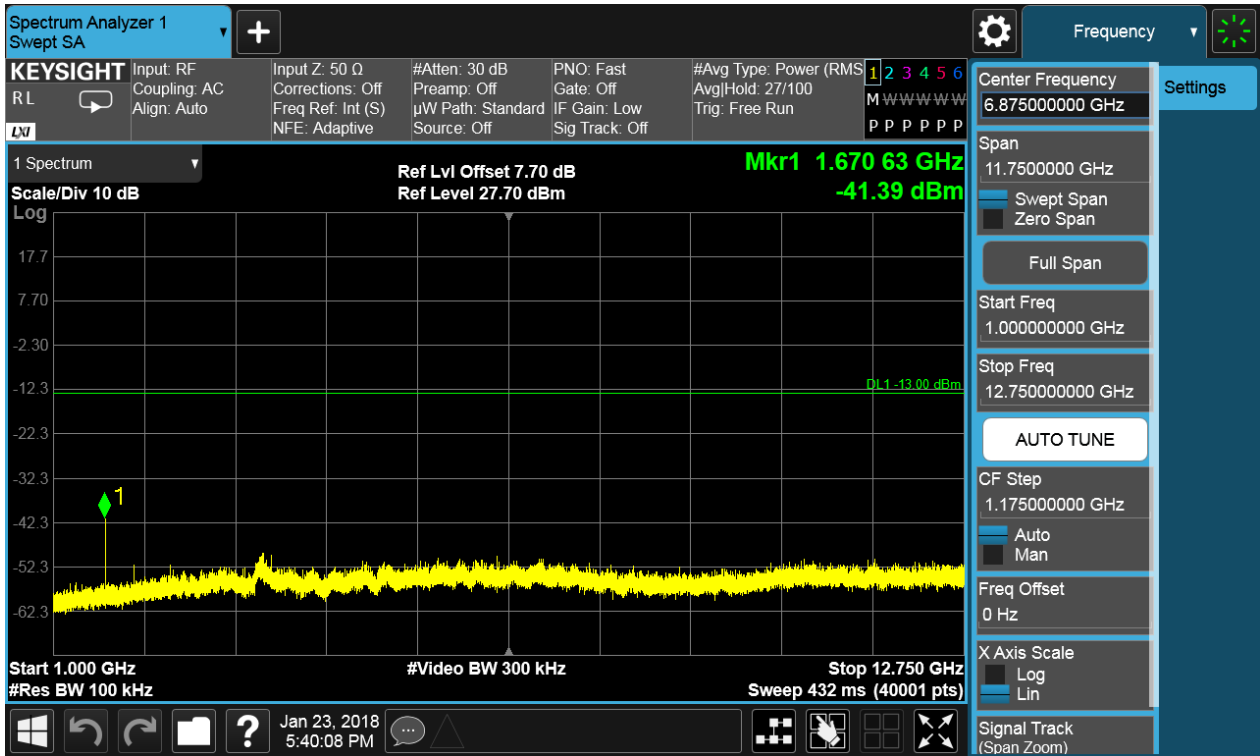
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



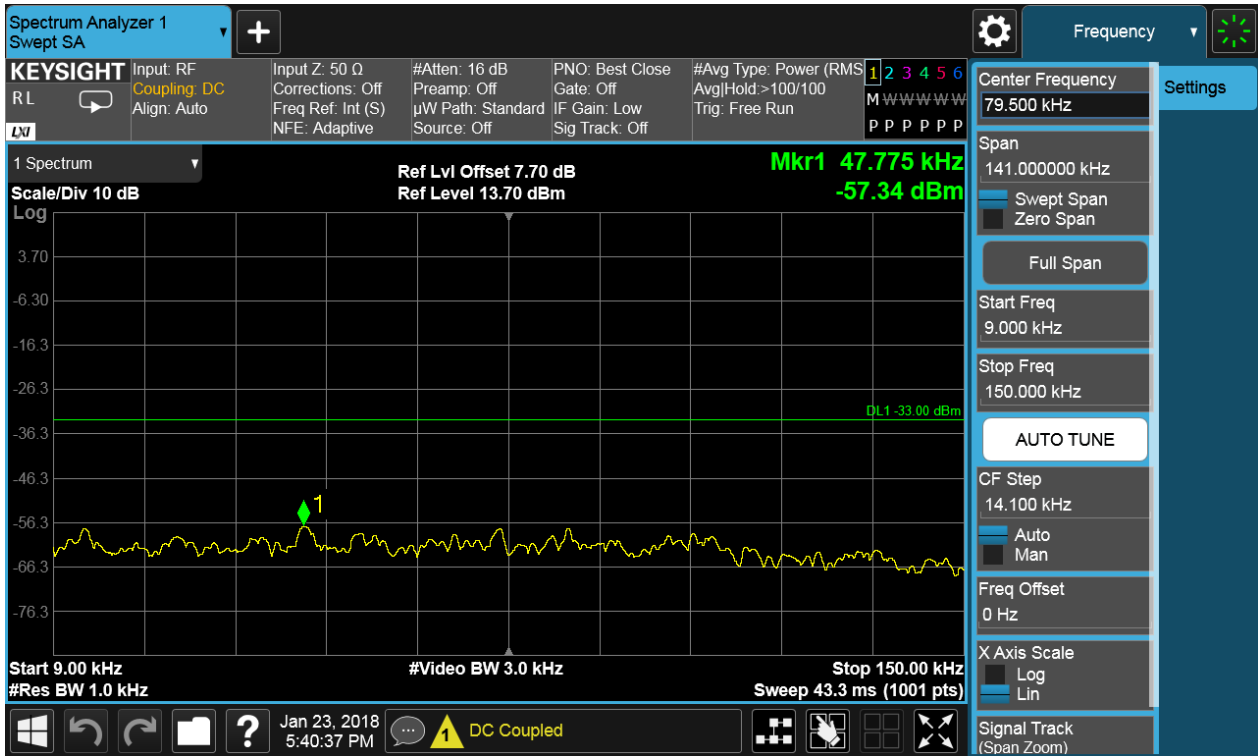


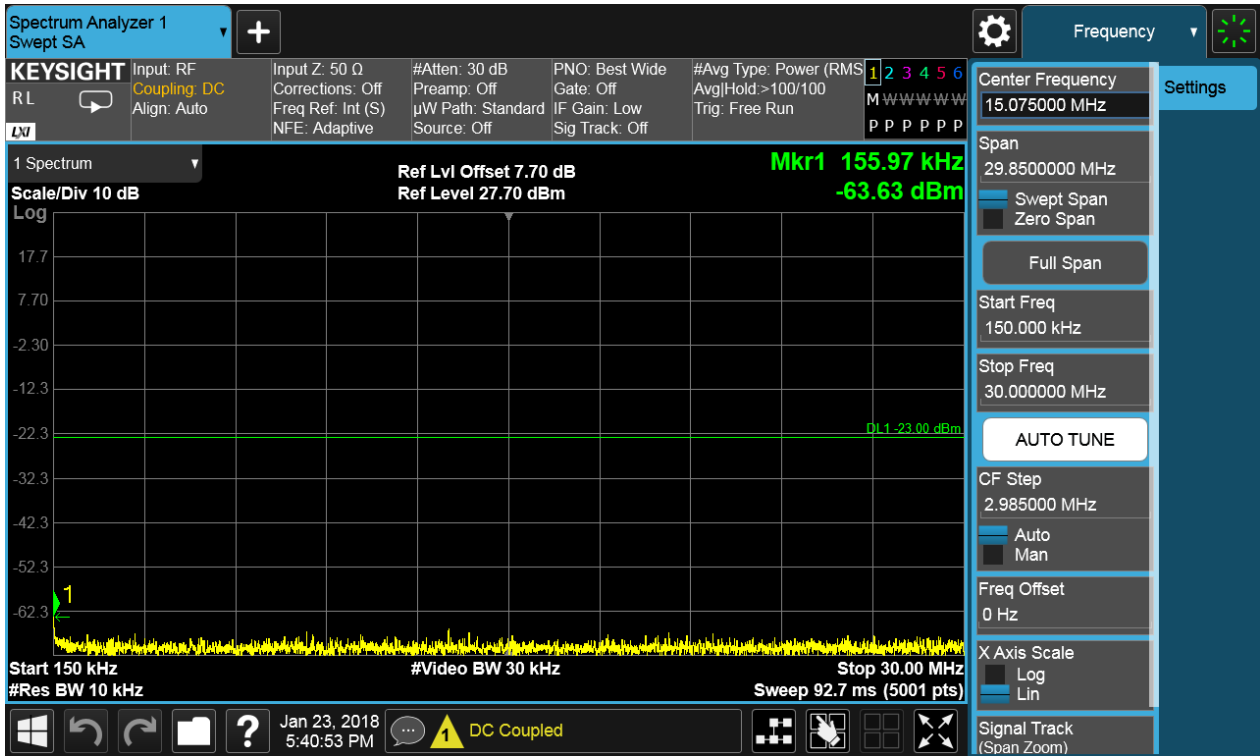


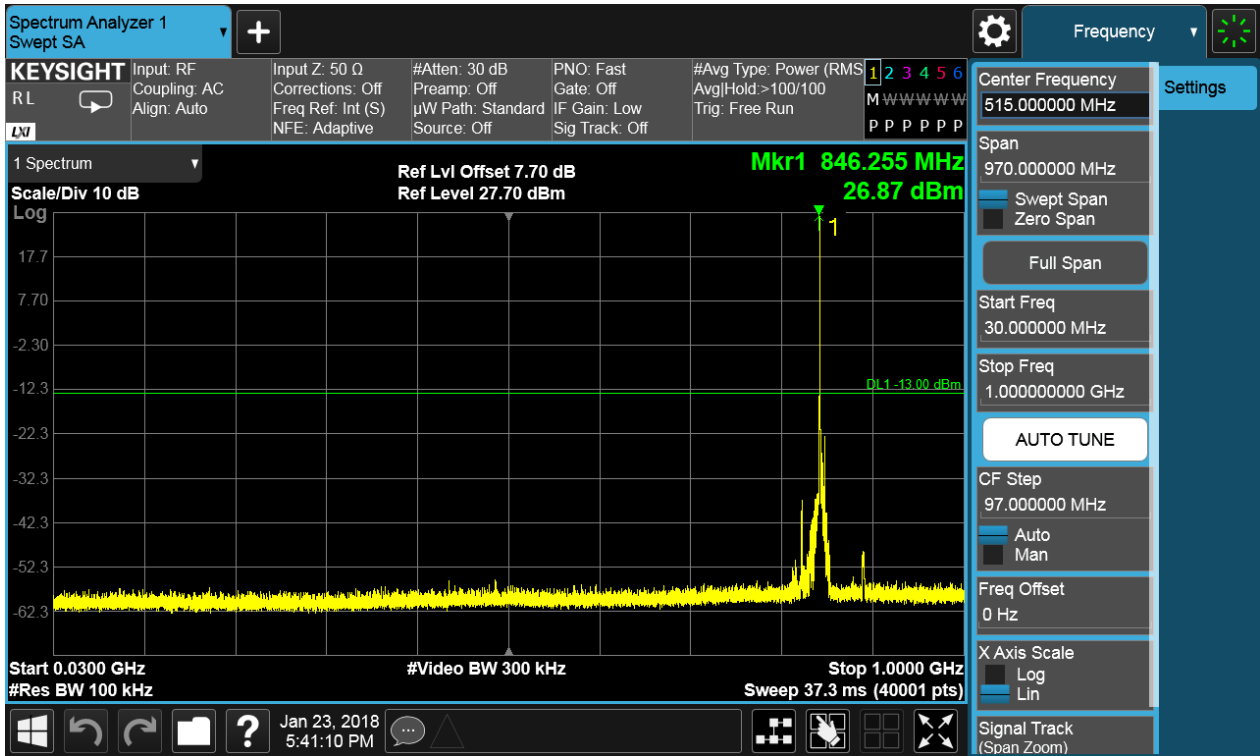


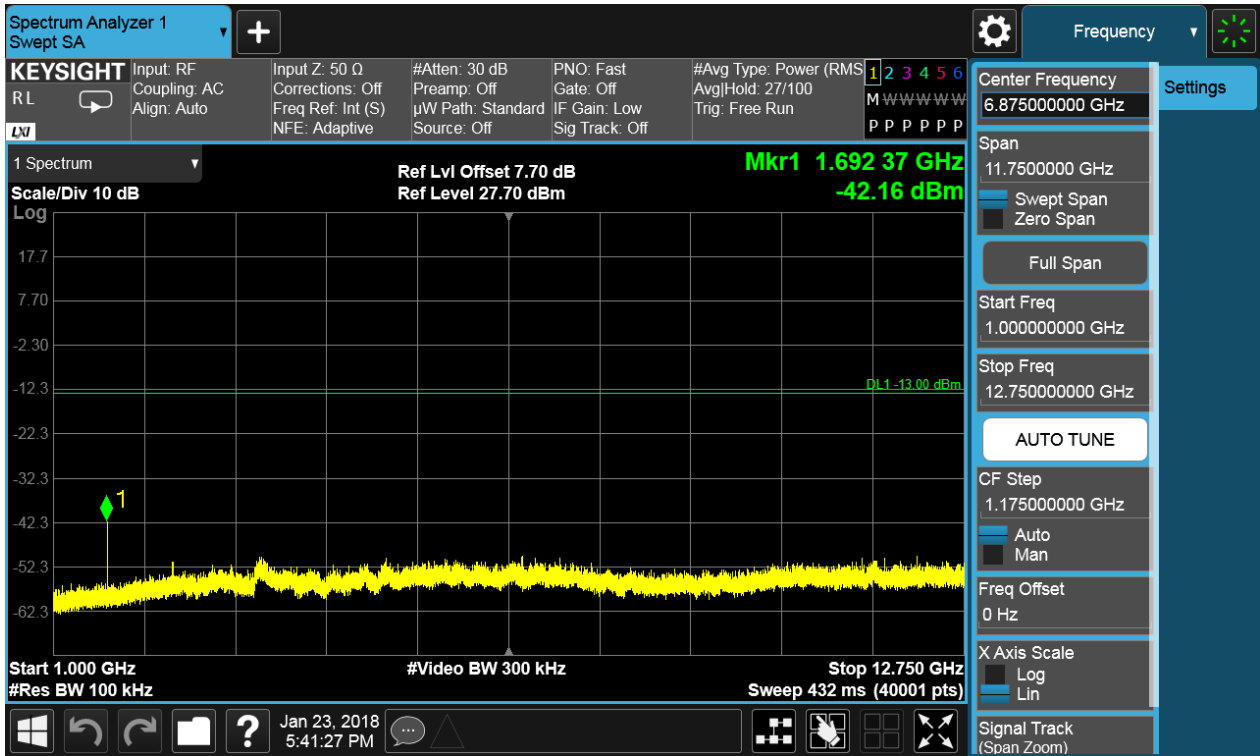
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





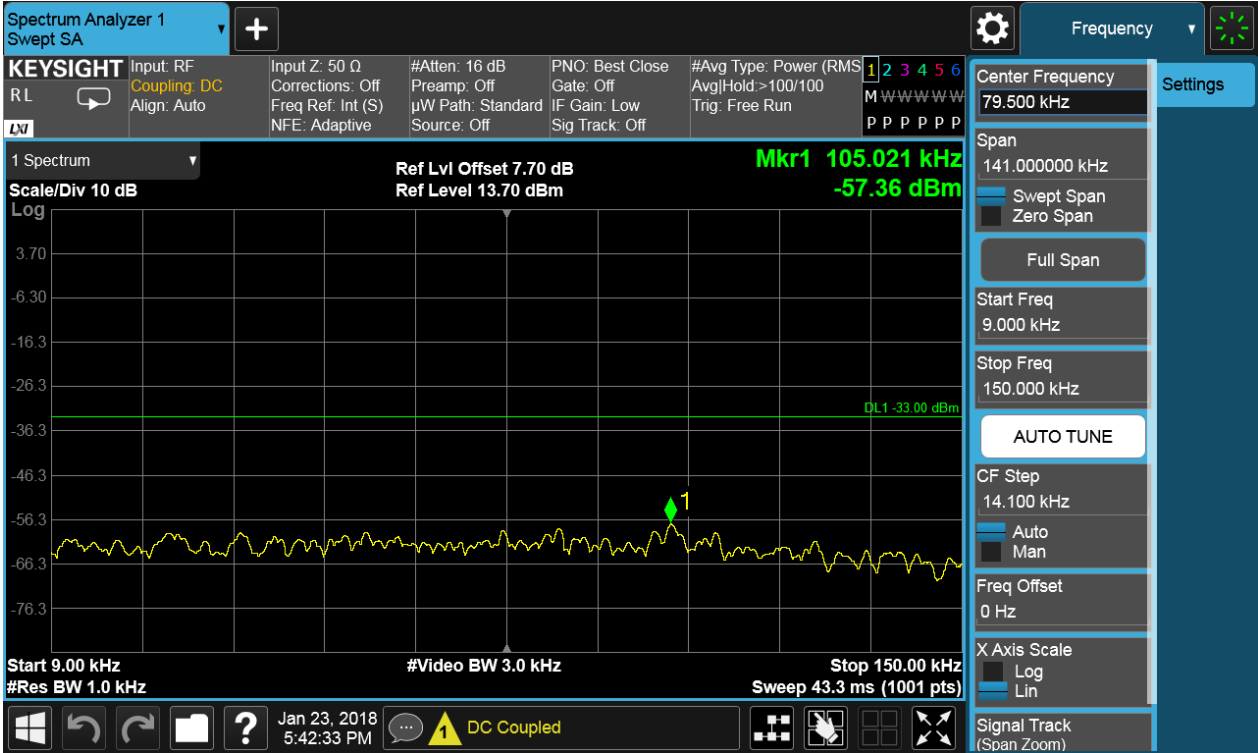


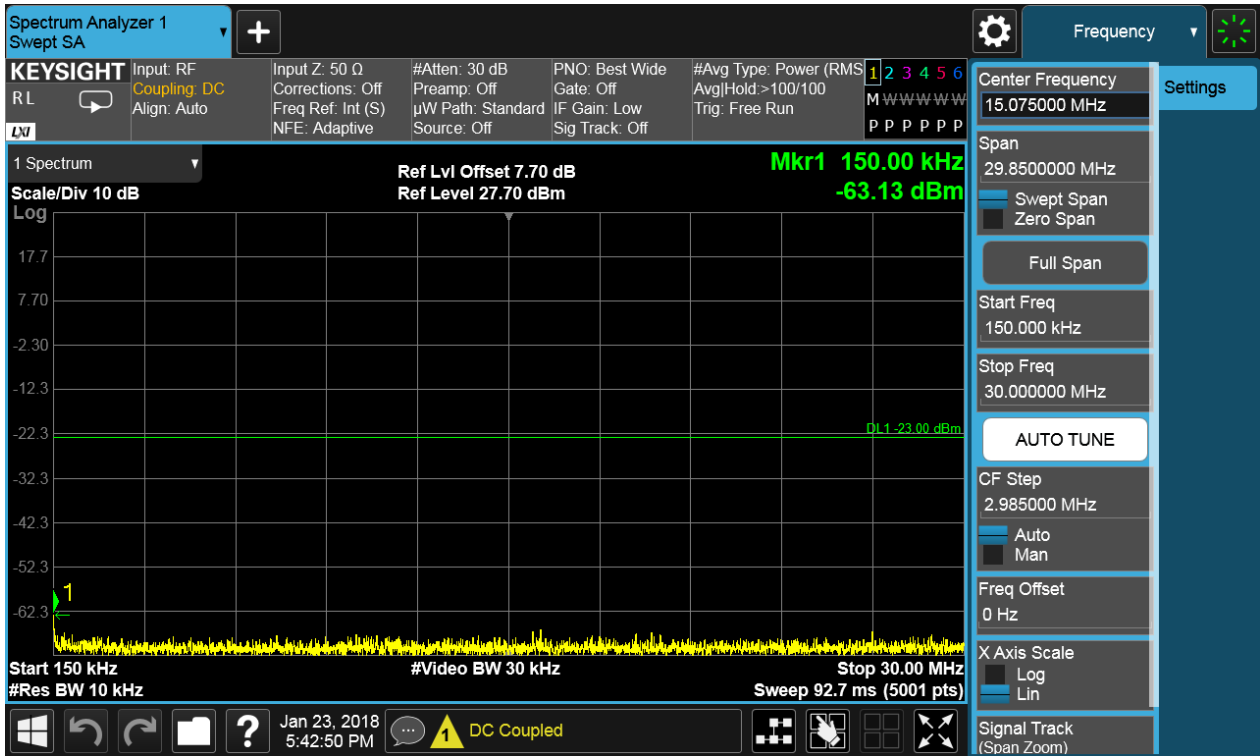


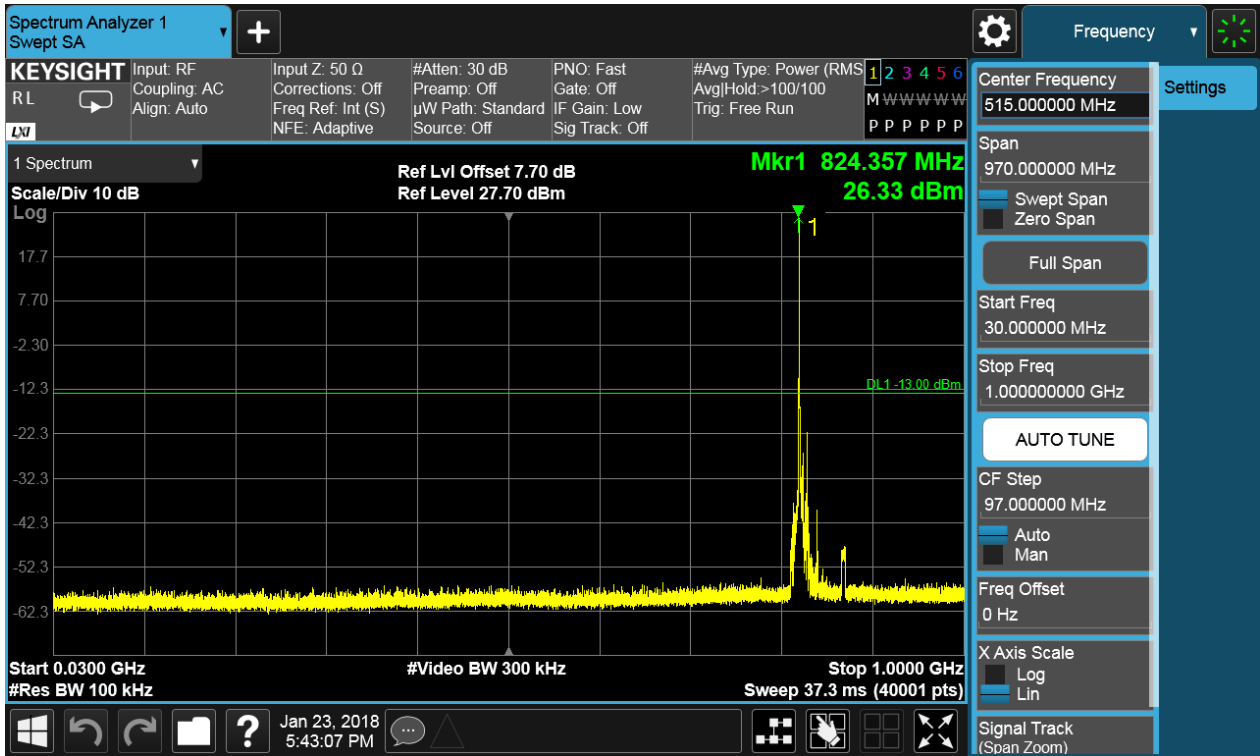
6.1.1.2.3 Test Bandwidth = 5

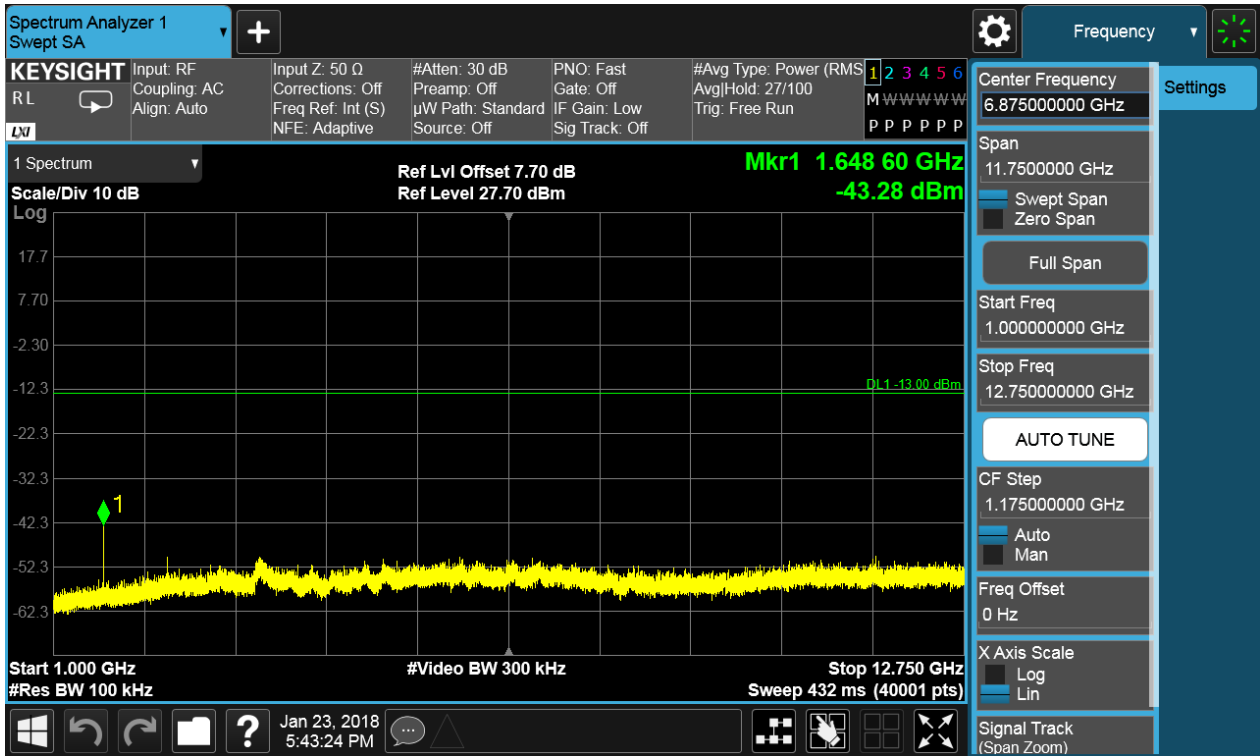
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





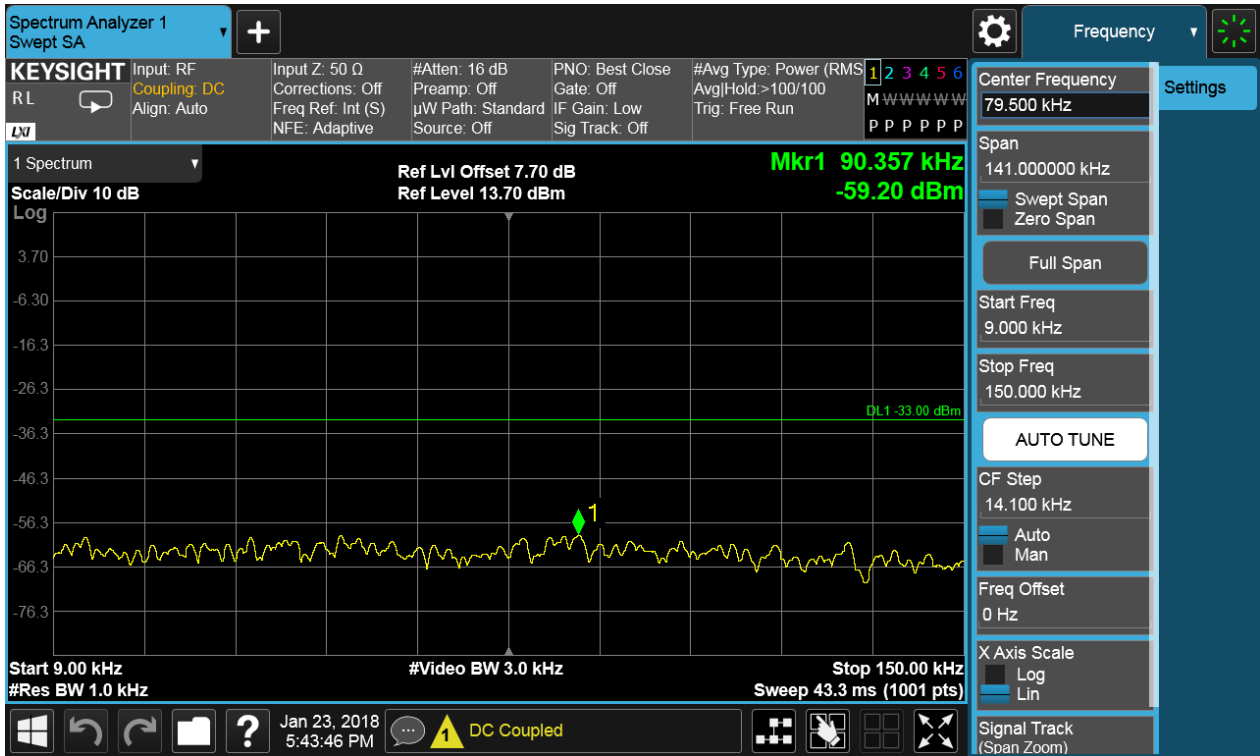


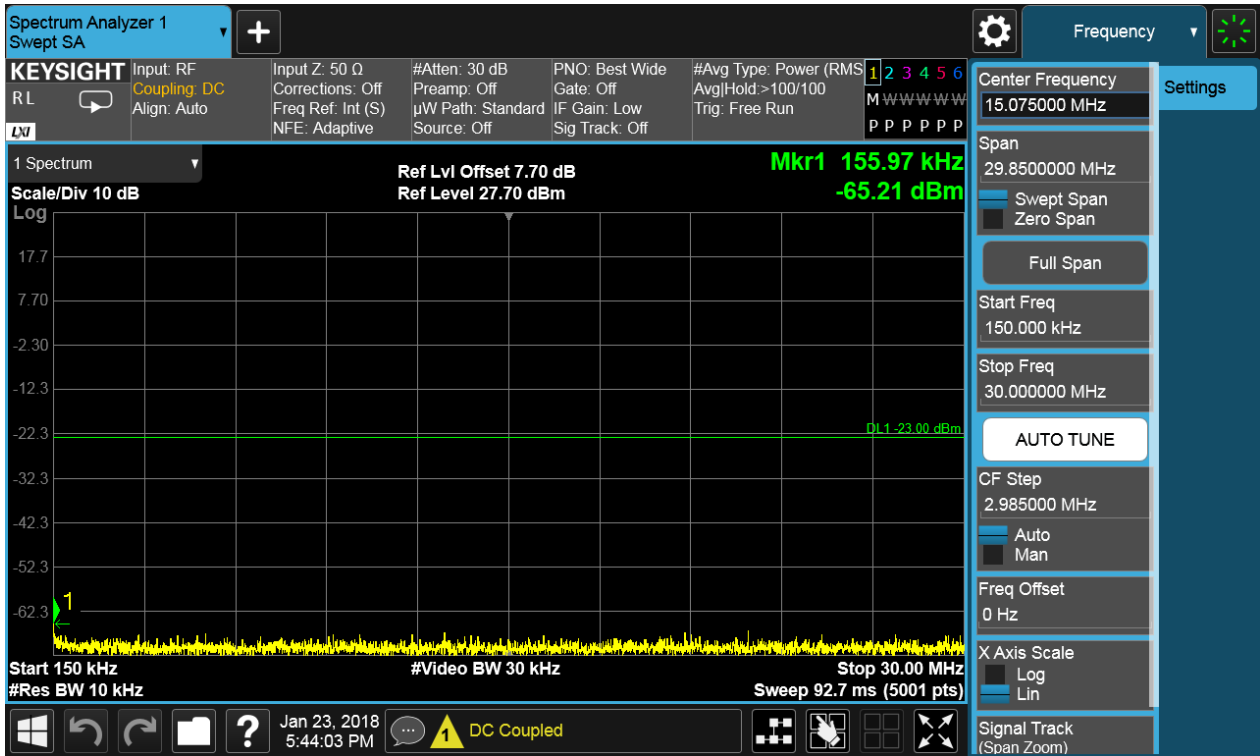


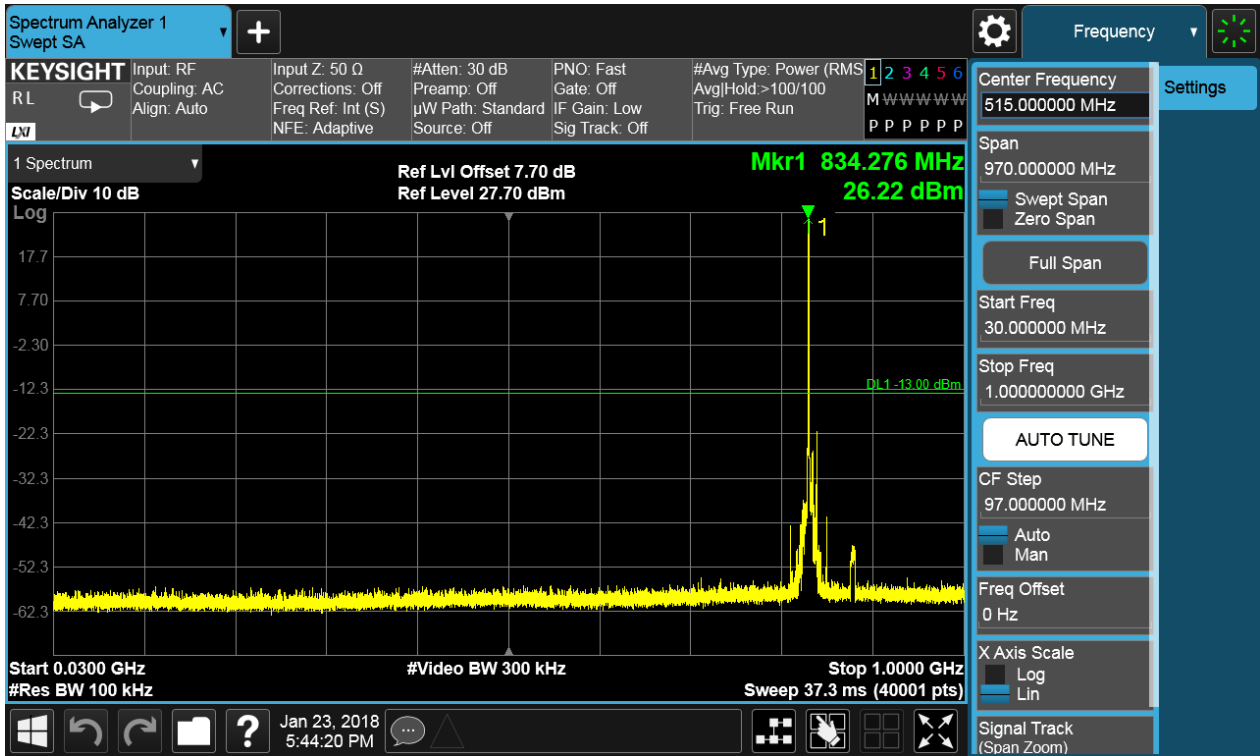


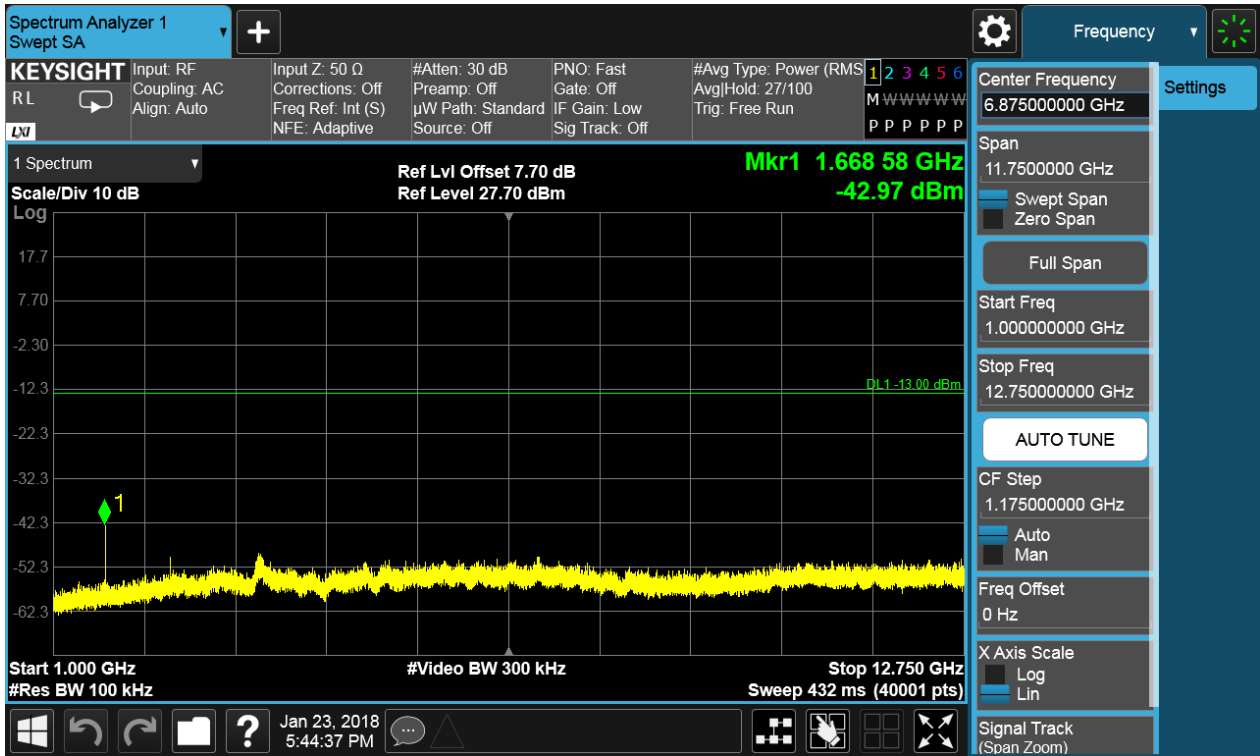
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



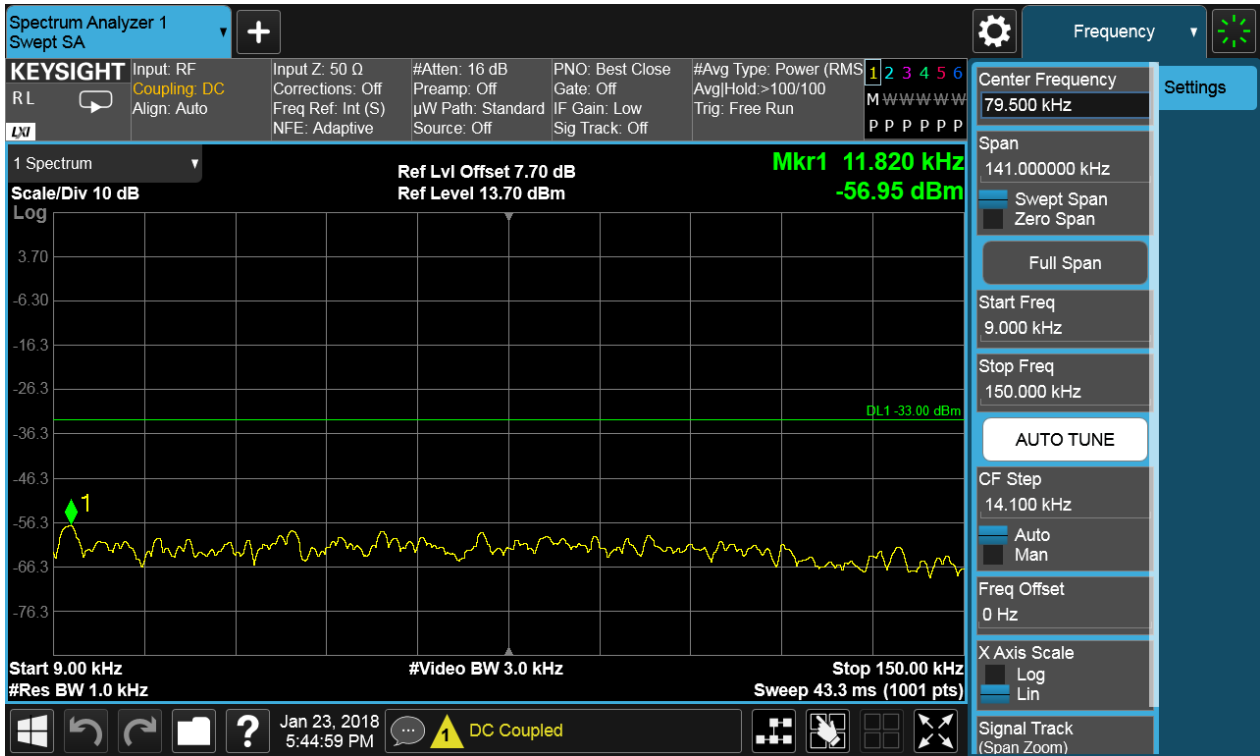


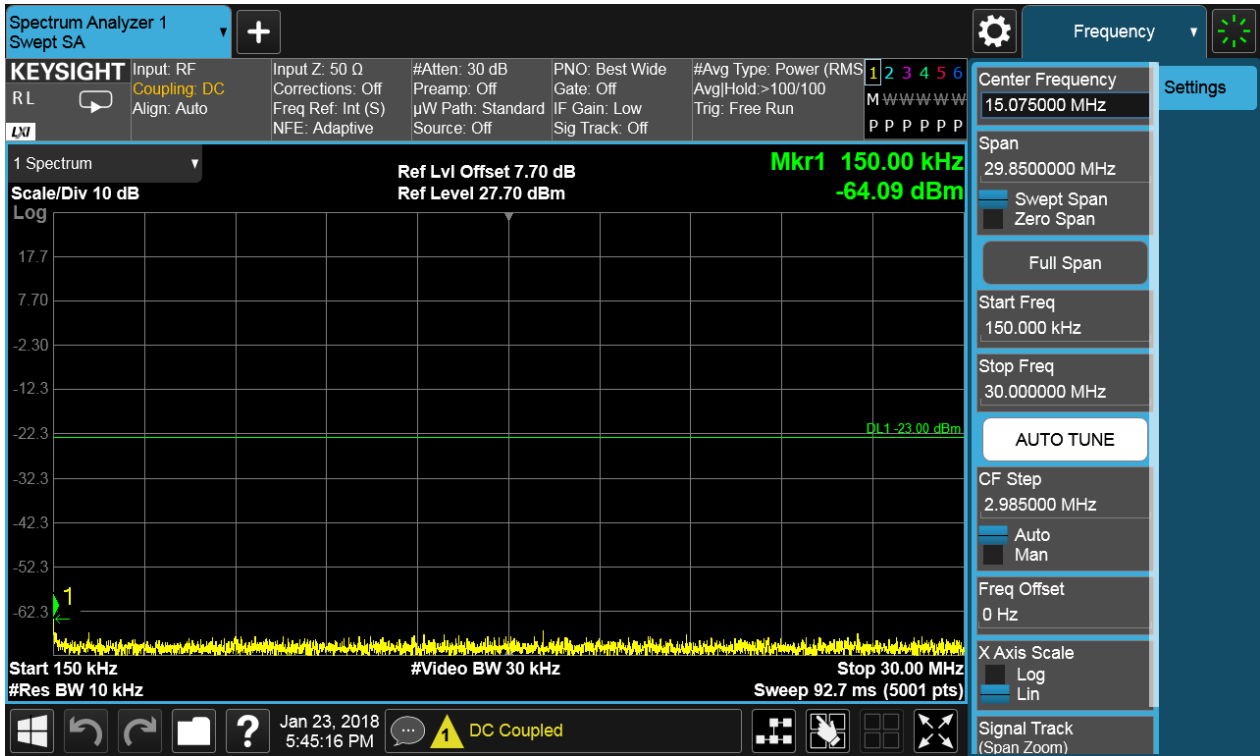


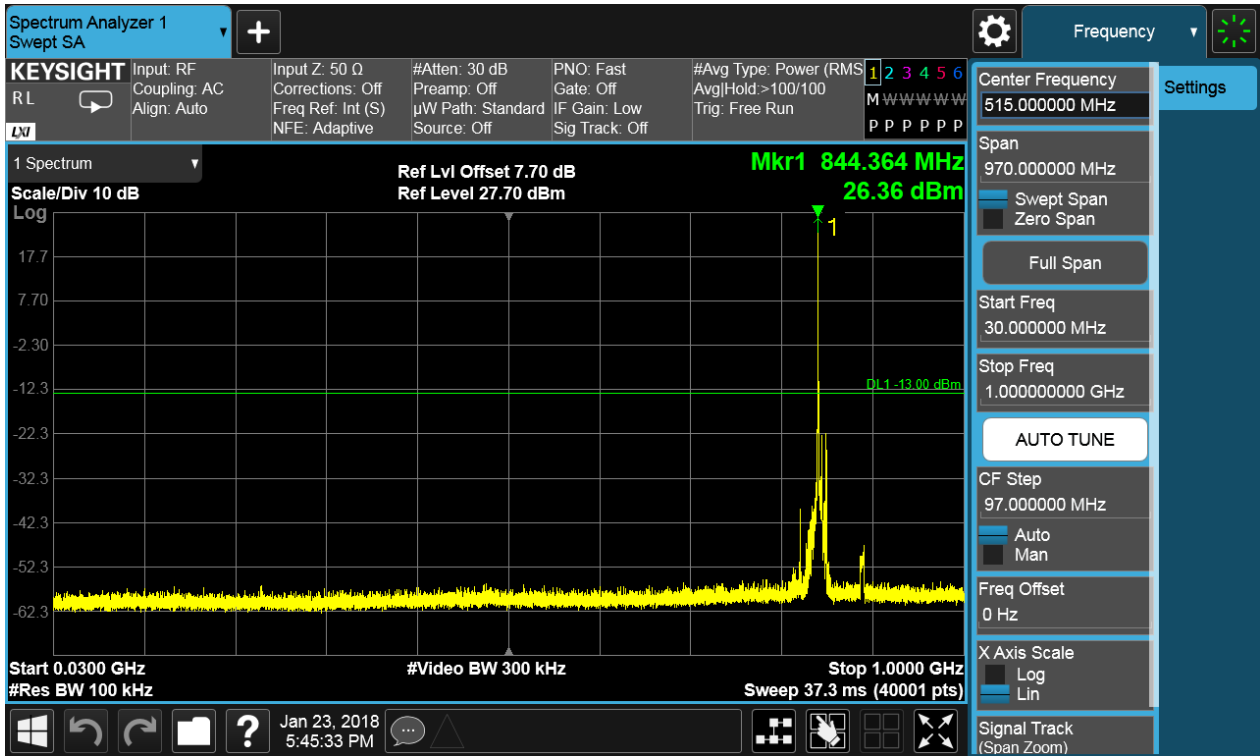


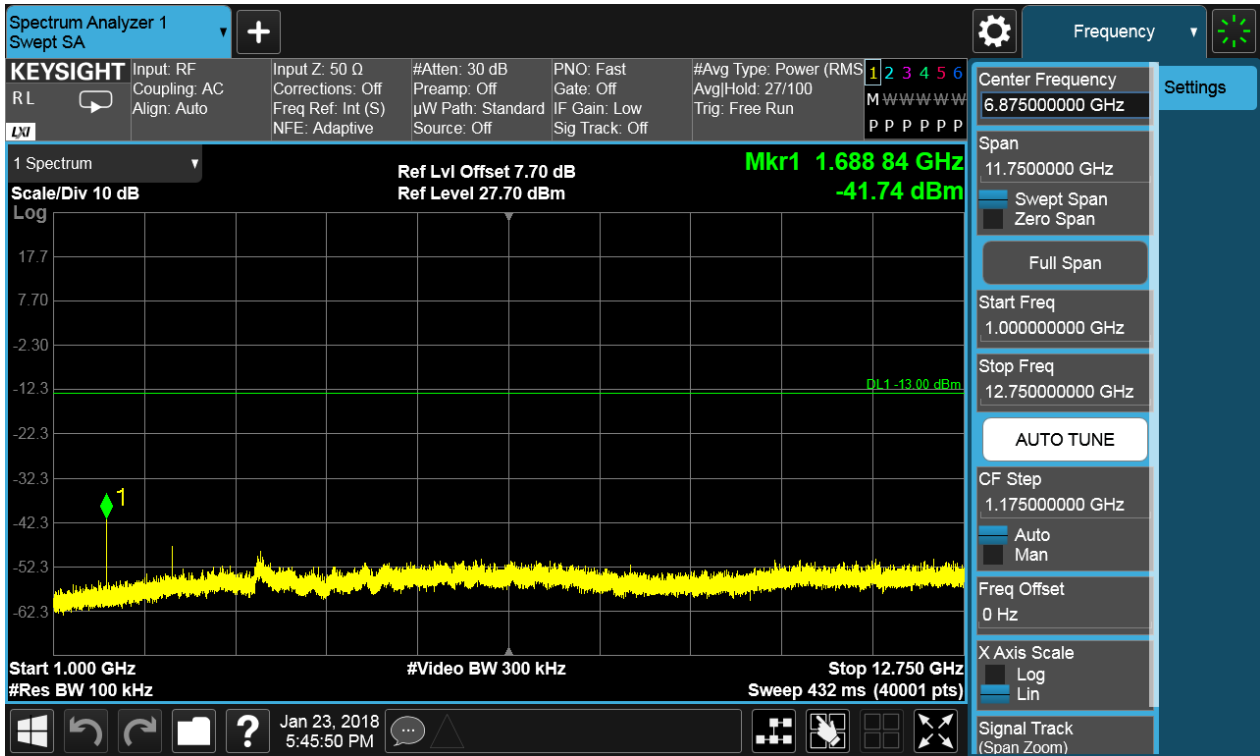
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





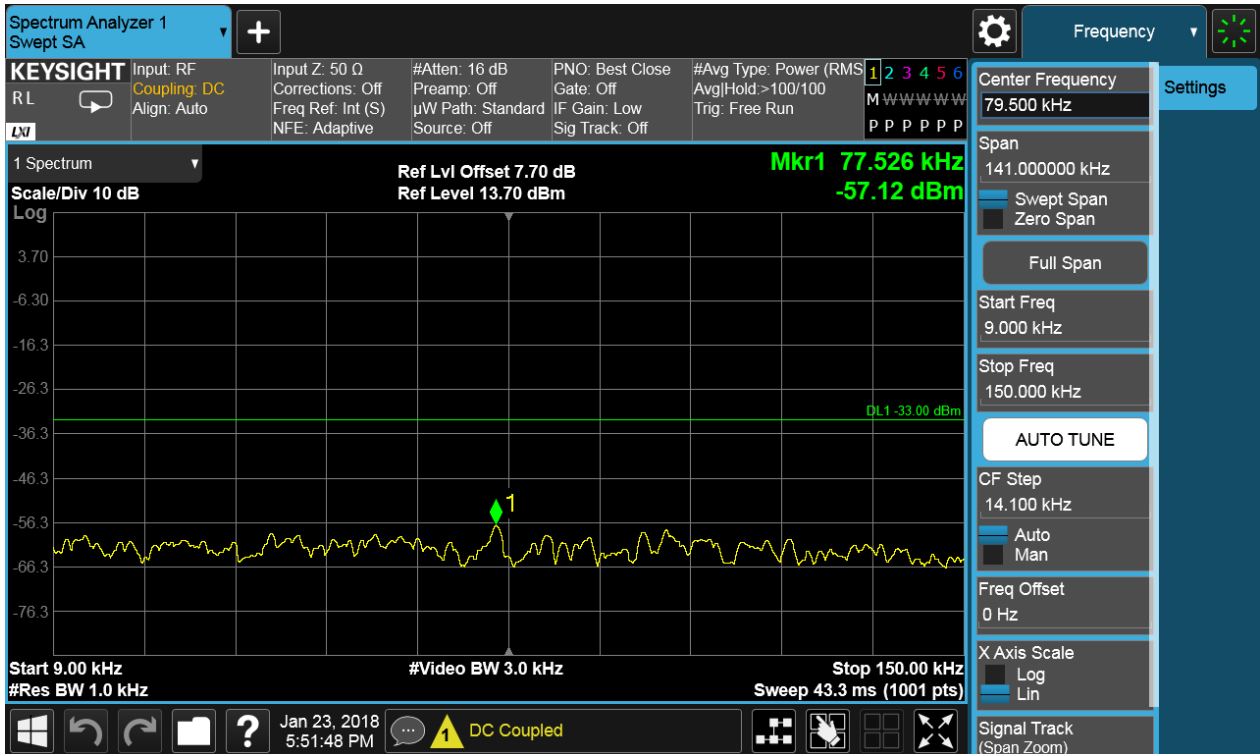


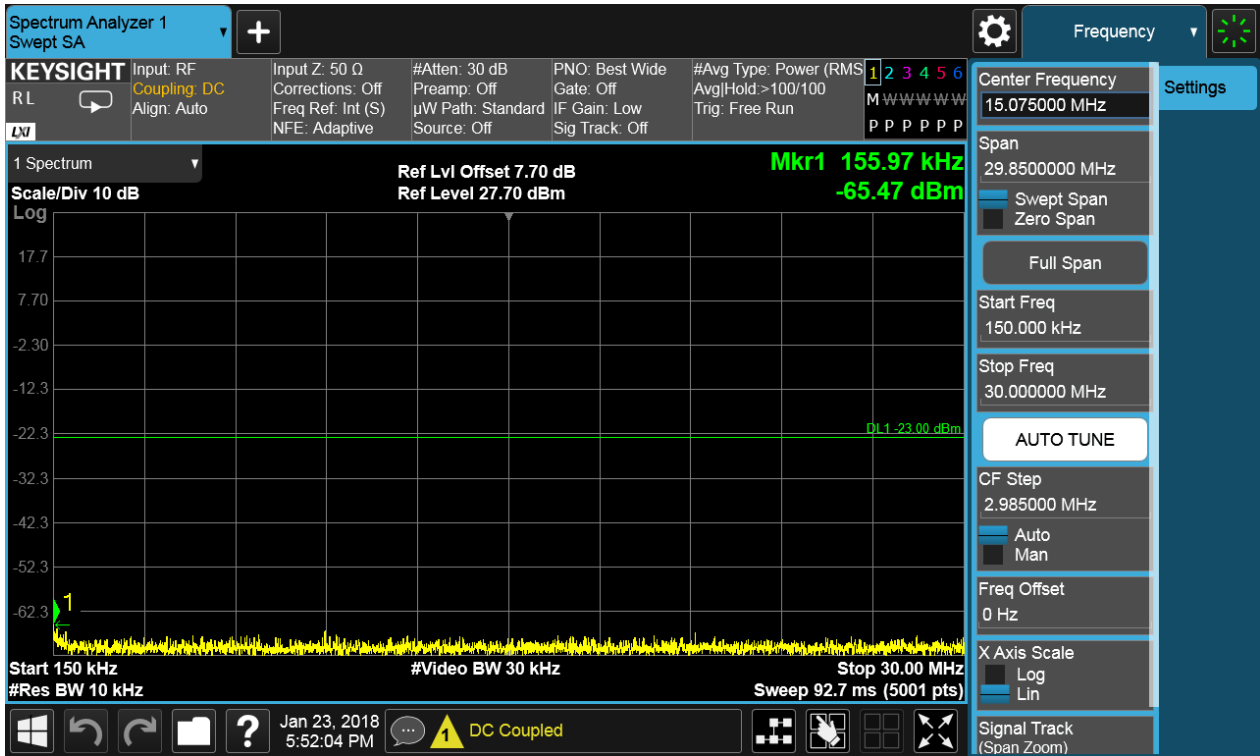


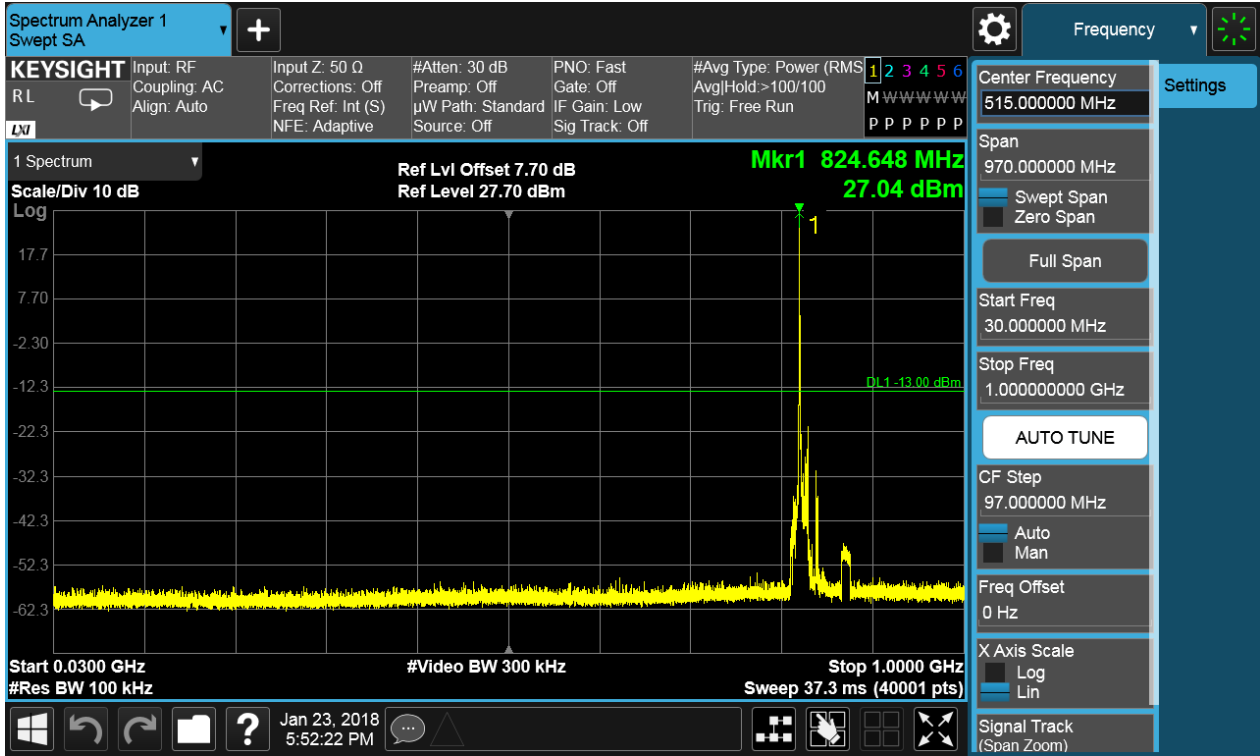
6.1.1.2.4 Test Bandwidth = 10

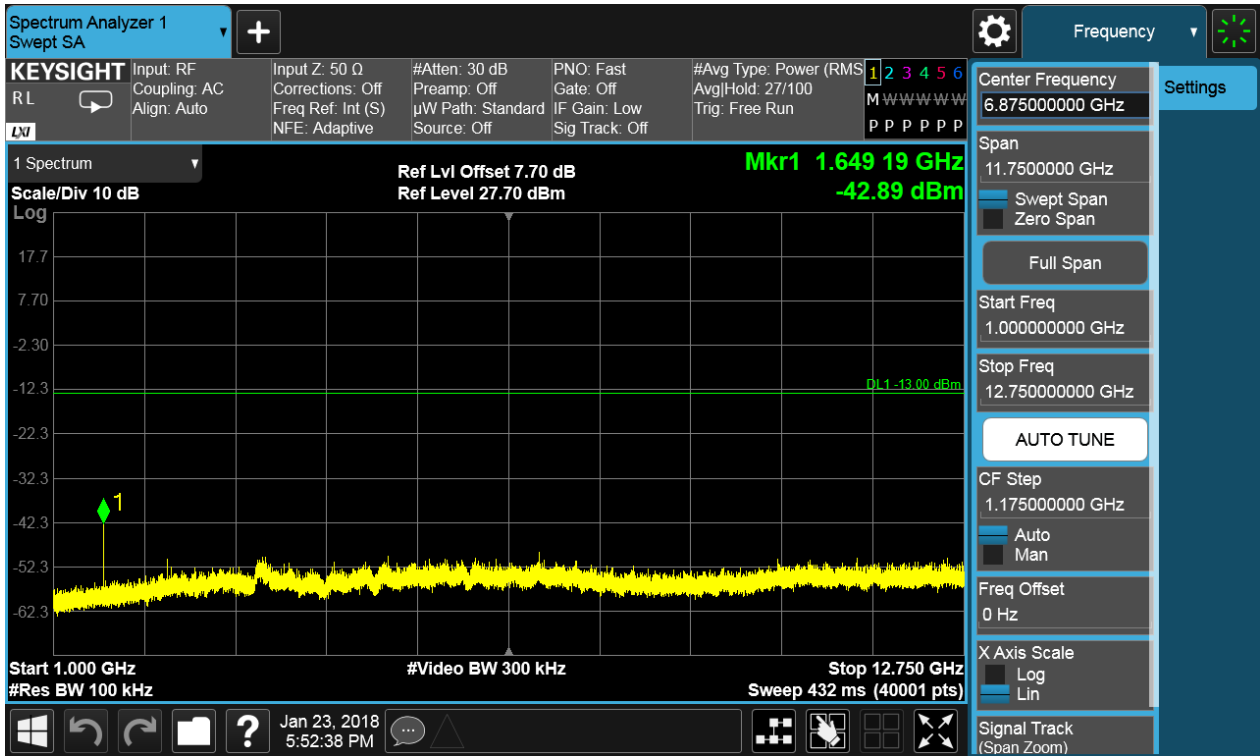
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



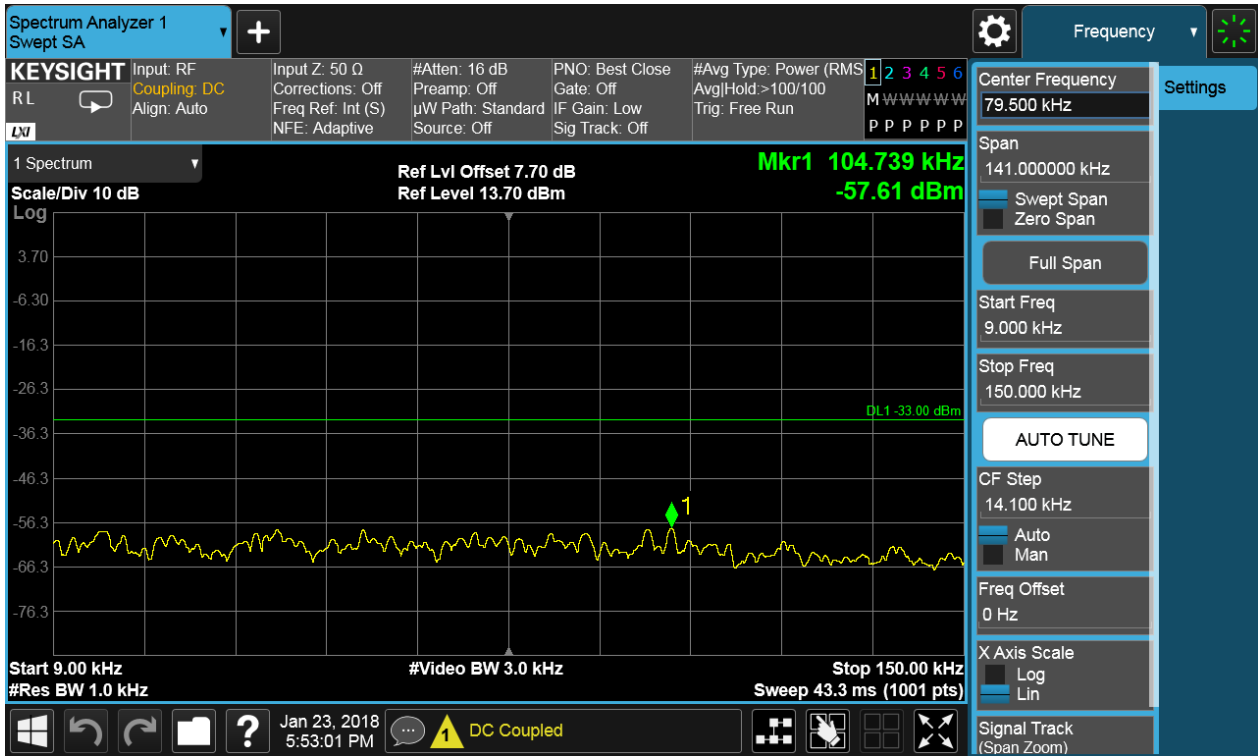


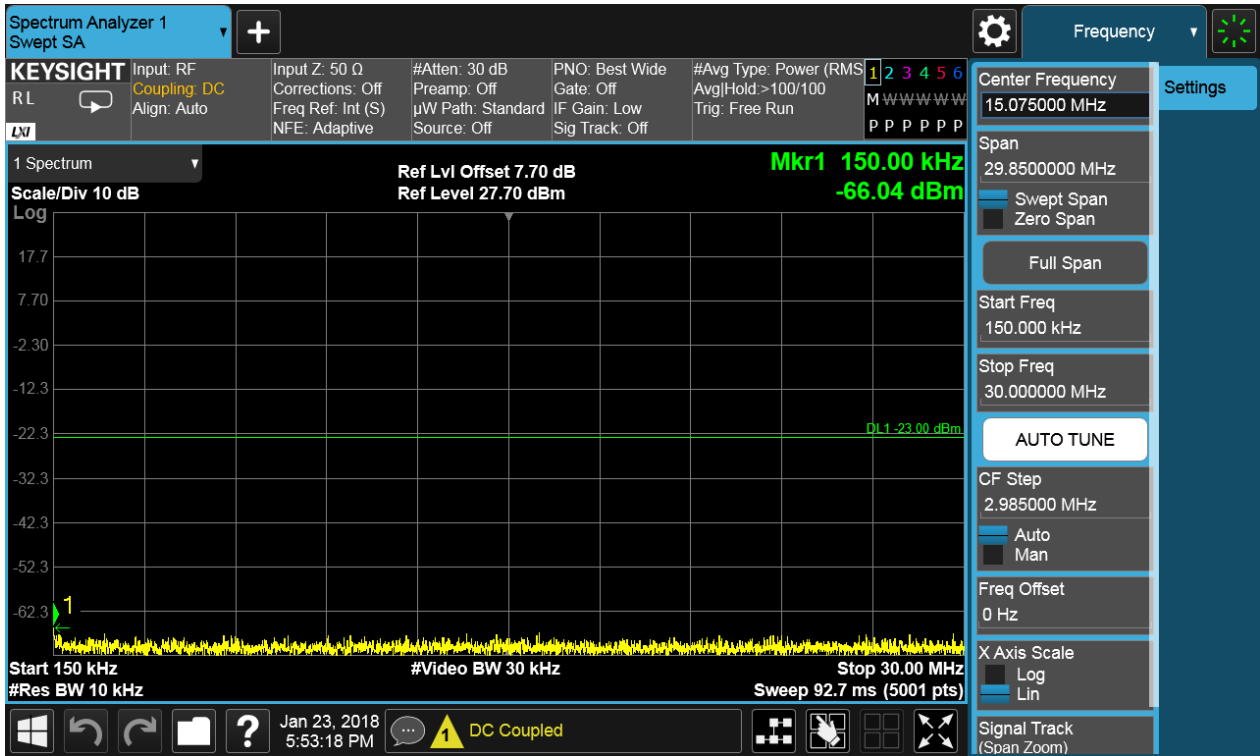


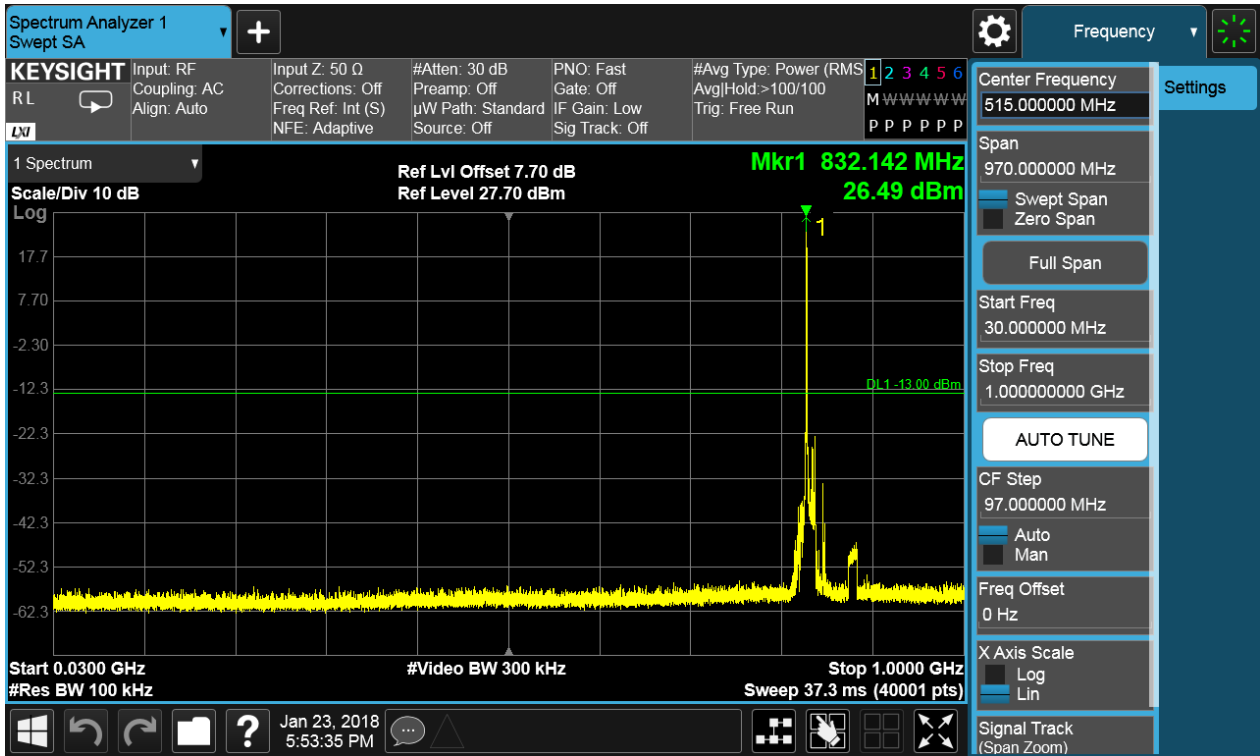


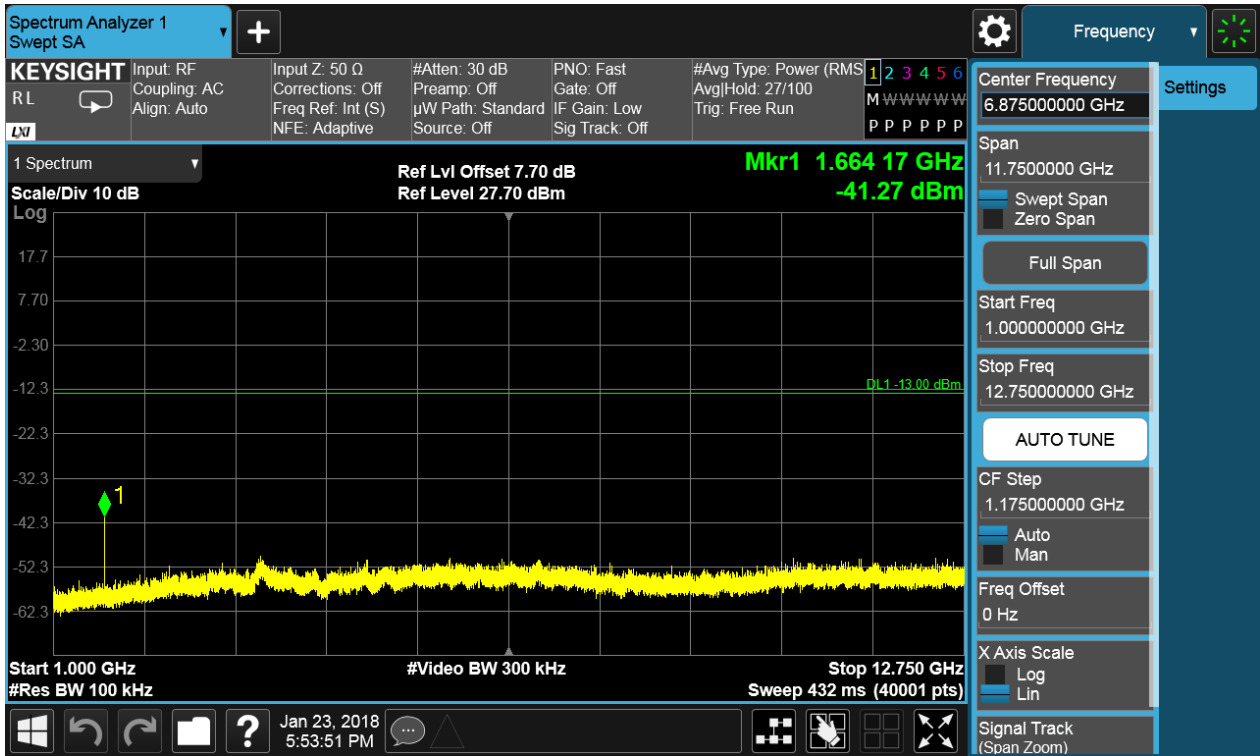
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





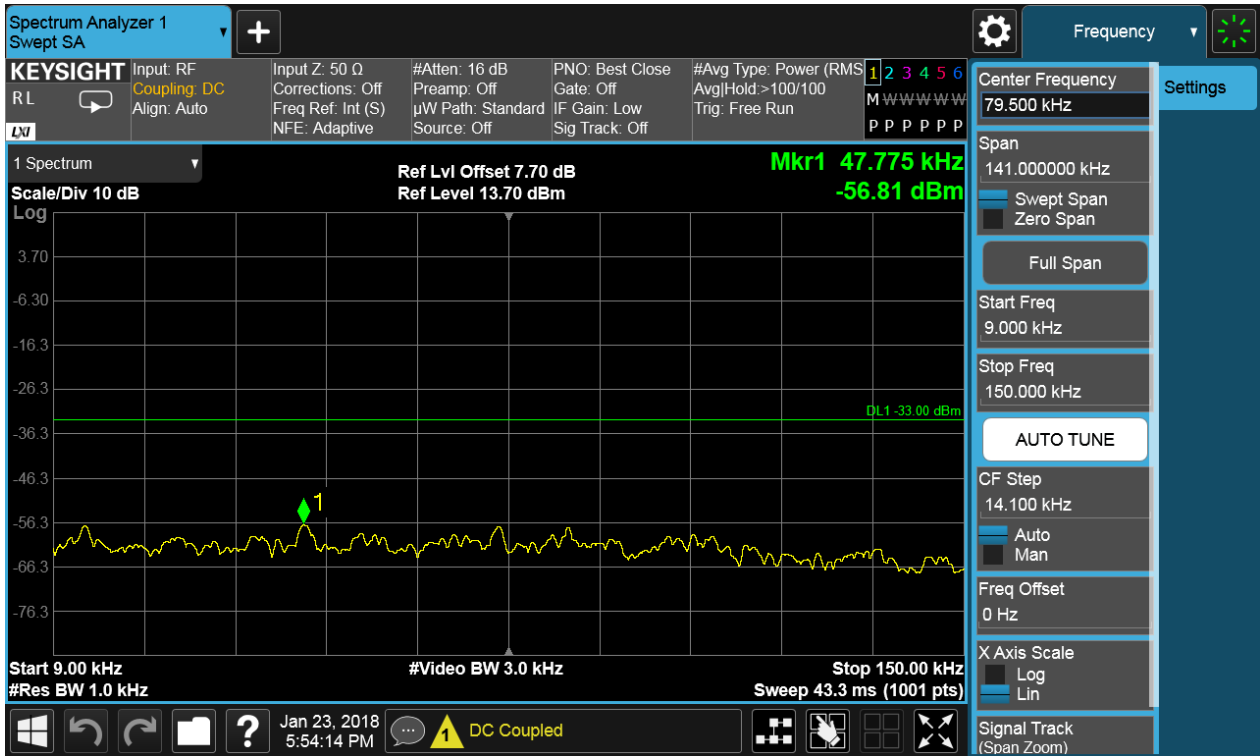


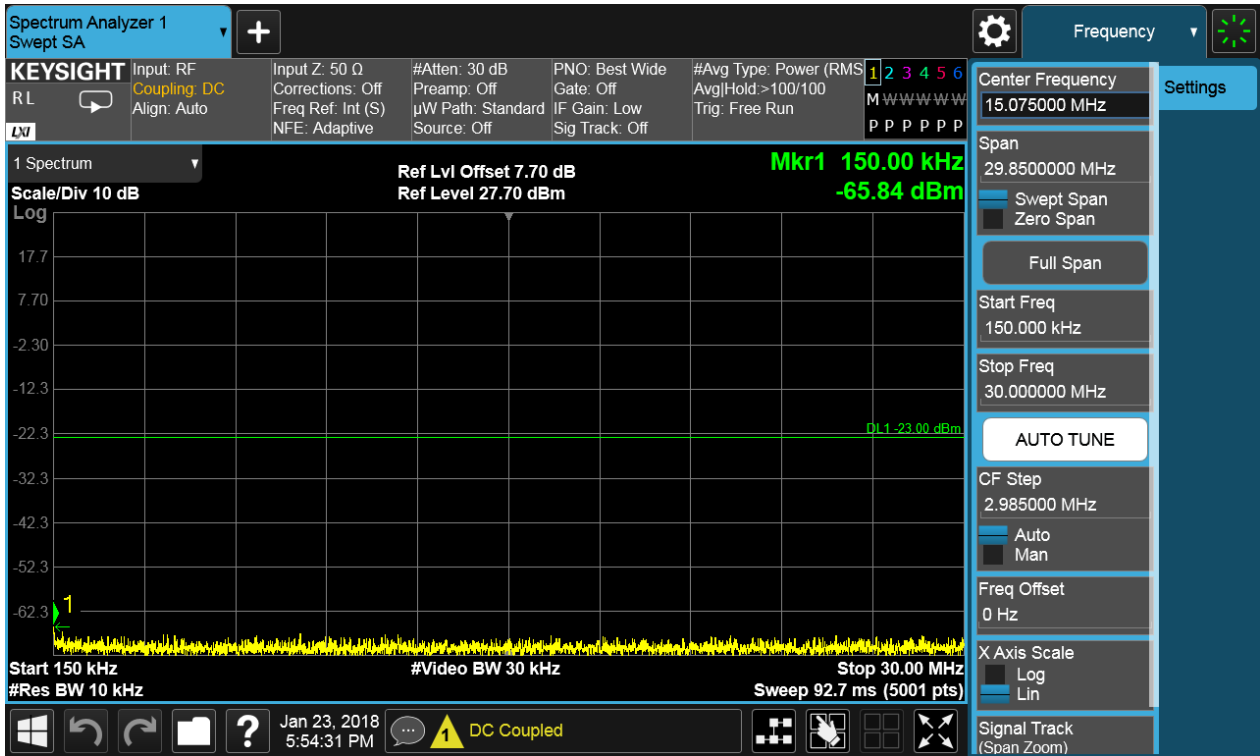


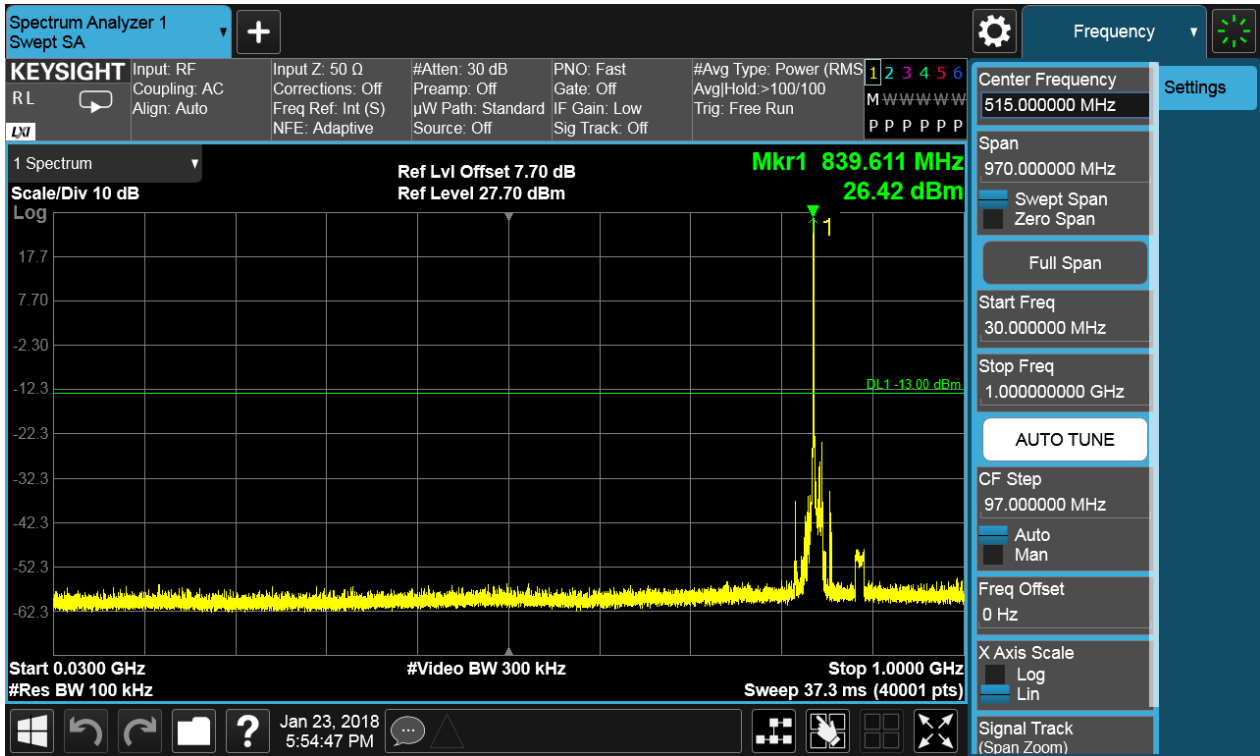


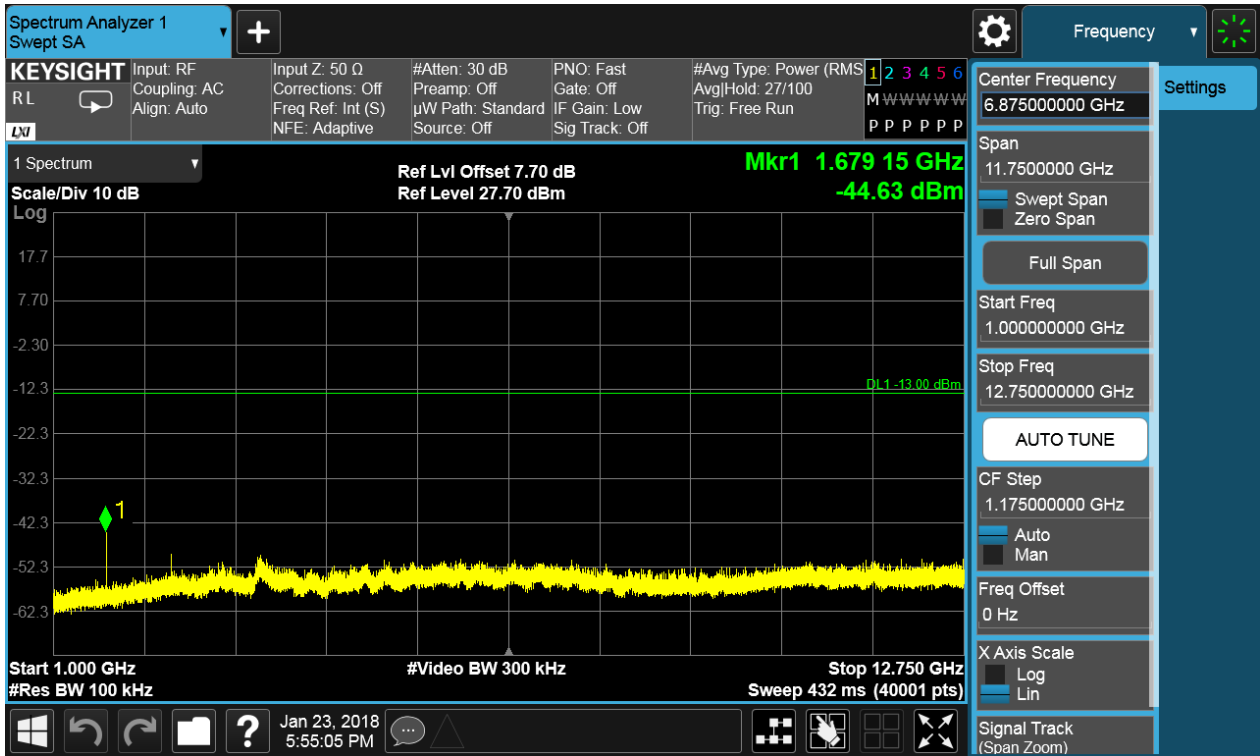
6.1.1.2.4.3 Test Channel = HCH

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

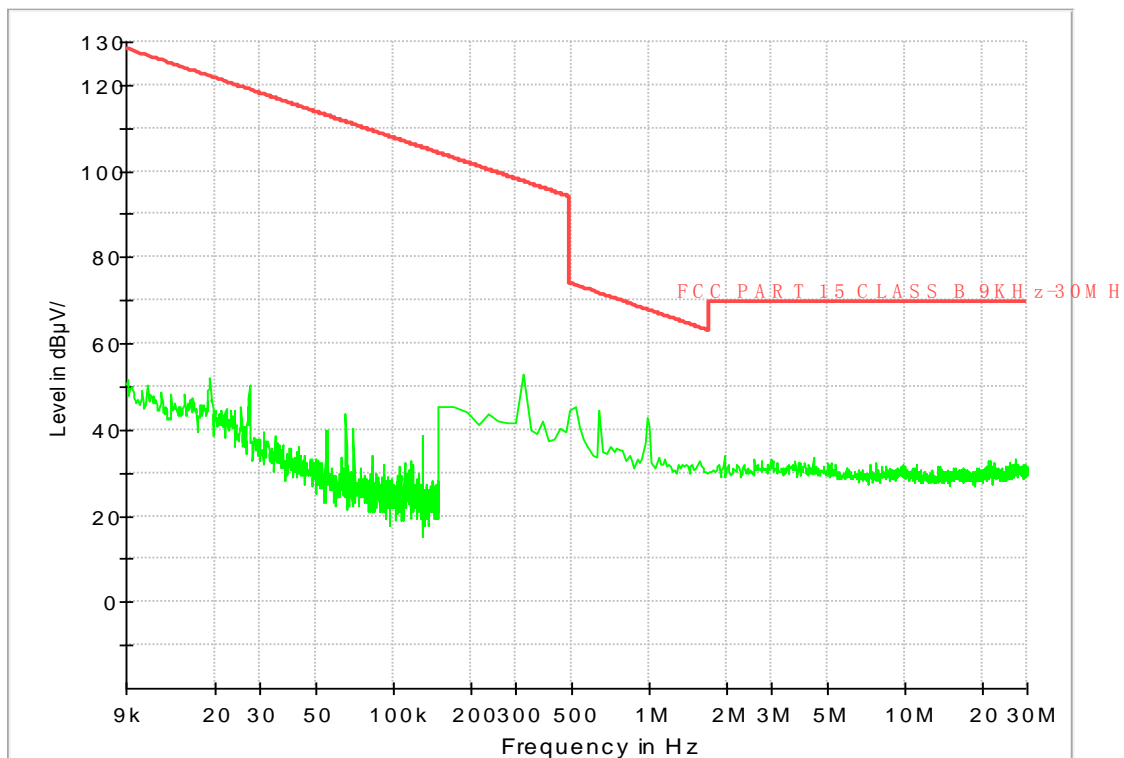
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

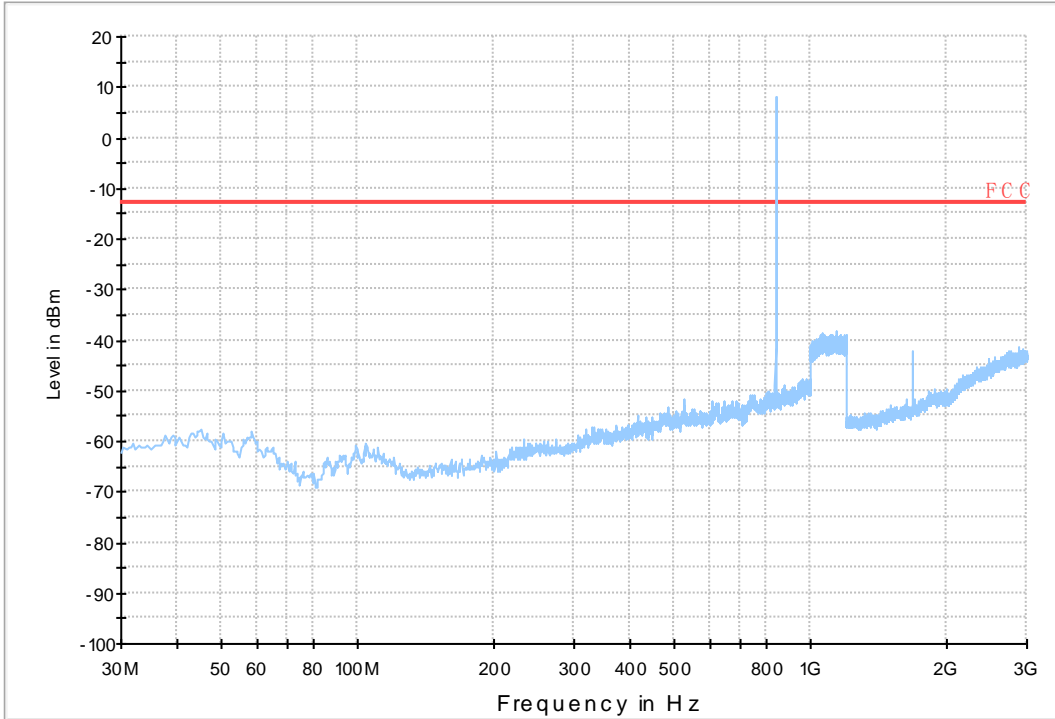
7.1 For LTE

7.1.1 Test Band = BAND5

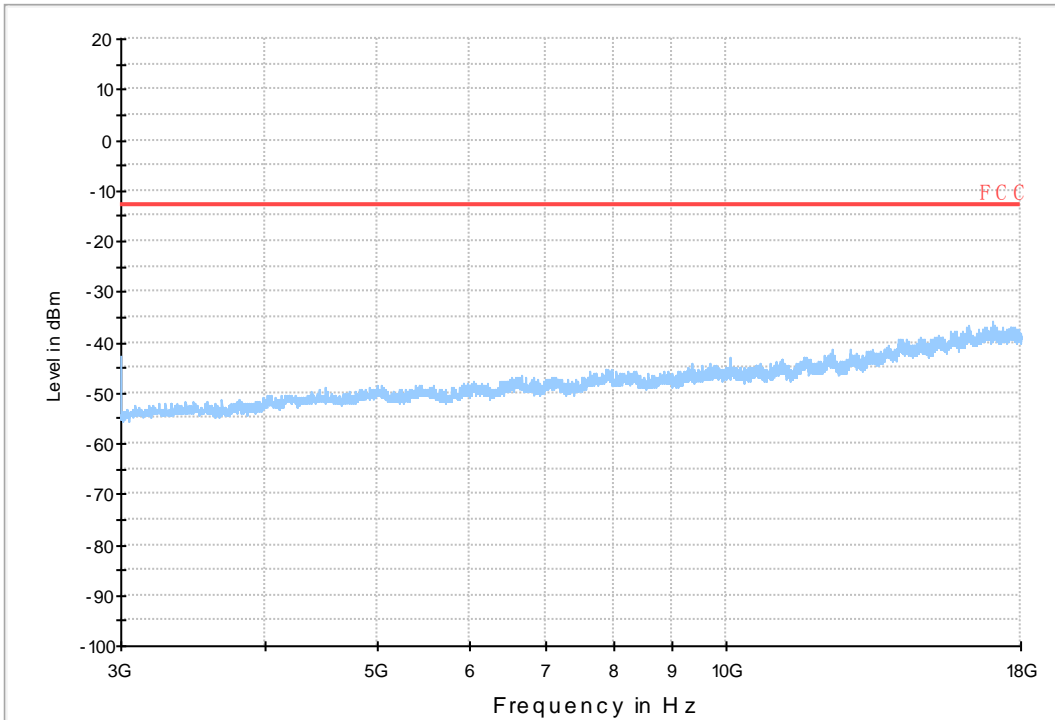
7.1.1.1 Test Bandwidth = 1.4



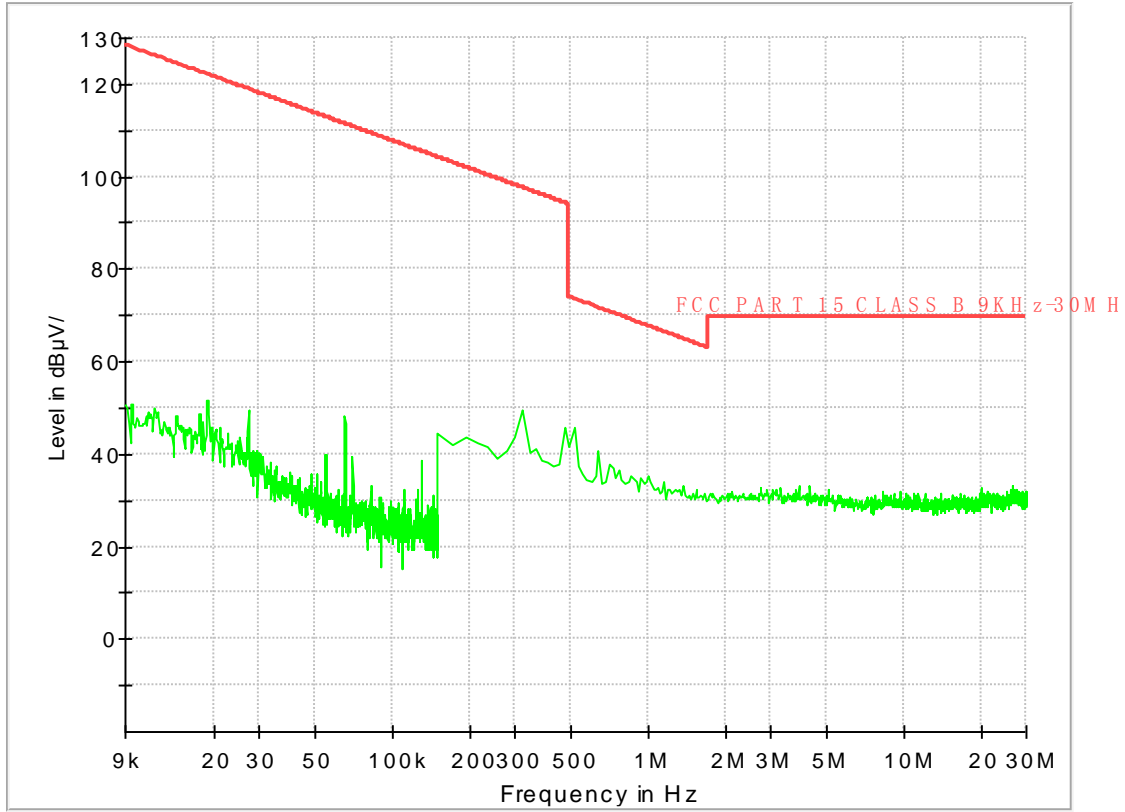
Copy of RSE-TX-DIRECTOR BELOW 1G_L



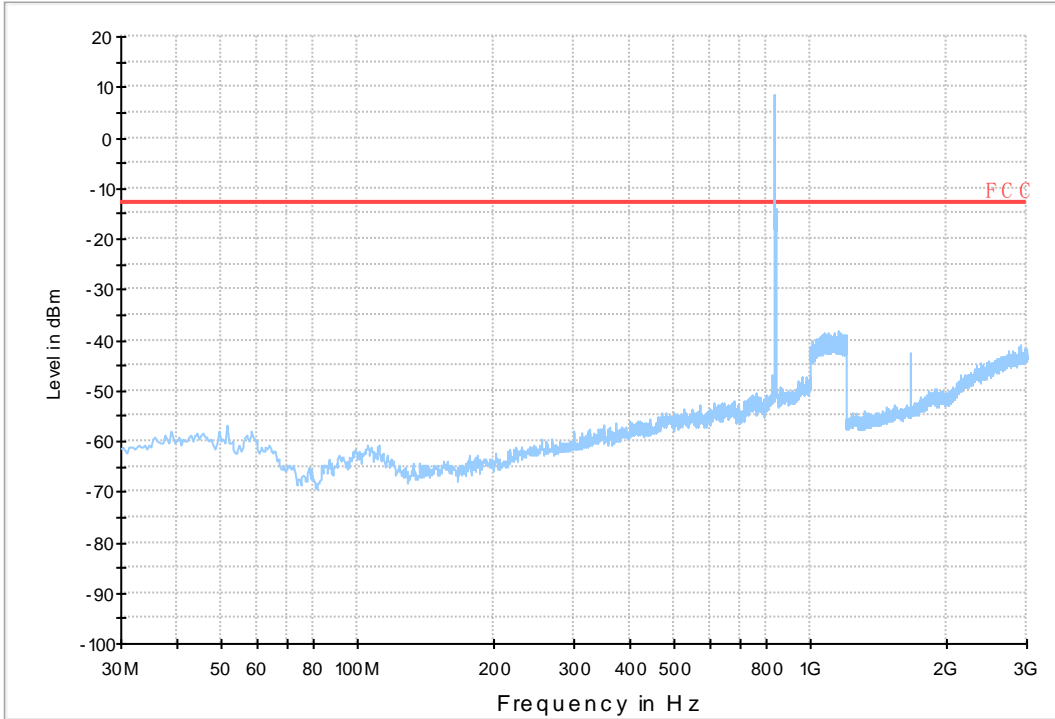
Copy of RSE-TX-DIRECTOR BELOW 1G_H



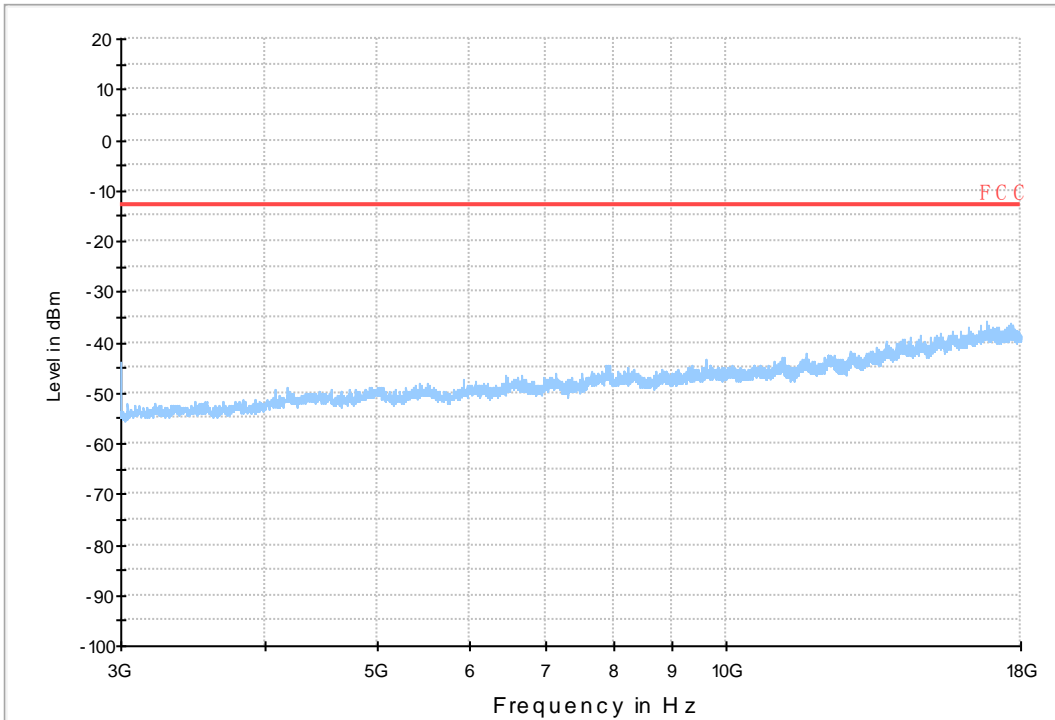
7.1.1.3 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 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
BAND5	LTE/TM1	1.4	LCH	TN	VL	-7.95	-0.00964	PASS
					VN	1.63	0.00198	PASS
					VH	1.02	0.00124	PASS
			MCH	TN	VL	-12.26	-0.01466	PASS
					VN	-6.14	-0.00734	PASS
					VH	-16.25	-0.01943	PASS
			HCH	TN	VL	-1.04	-0.00123	PASS
					VN	-6.84	-0.00806	PASS
					VH	1.06	0.00125	PASS
		3	LCH	TN	VL	-0.16	-0.00019	PASS
					VN	-2.23	-0.0027	PASS
					VH	-2.22	-0.00269	PASS
			MCH	TN	VL	16.41	0.01962	PASS
					VN	22.30	0.02666	PASS
					VH	29.45	0.03521	PASS
			HCH	TN	VL	-1.59	-0.00188	PASS
					VN	-0.89	-0.00105	PASS
					VH	-2.16	-0.00255	PASS
		5	LCH	TN	VL	-1.65	-0.002	PASS
					VN	1.63	0.00197	PASS
					VH	-0.06	-0.00007	PASS
			MCH	TN	VL	-7.71	-0.00922	PASS
					VN	-1.37	-0.00164	PASS
					VH	-1.70	-0.00203	PASS
			HCH	TN	VL	0.49	0.00058	PASS
					VN	-1.62	-0.00191	PASS
					VH	1.75	0.00207	PASS
		10	LCH	TN	VL	-0.73	-0.00088	PASS
					VN	-0.33	-0.0004	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VH	2.02	0.00244	PASS
					VL	1.07	0.00128	PASS
					VN	-1.22	-0.00146	PASS
			HCH	TN	VH	-2.57	-0.00307	PASS
					VL	0.92	0.00109	PASS
					VN	-0.47	-0.00056	PASS
		LCH	TN	VH	-0.11	-0.00013	PASS	
				VL	-1.87	-0.00227	PASS	
				VN	0.63	0.00076	PASS	
		1.4	MCH	TN	VH	-2.53	-0.00307	PASS
					VL	-30.94	-0.03699	PASS
					VN	-102.42	-0.12244	PASS
			HCH	TN	VH	-9.70	-0.0116	PASS
					VL	0.72	0.00085	PASS
					VN	0.41	0.00048	PASS
			LCH	TN	VH	-1.70	-0.002	PASS
					VL	-2.20	-0.00267	PASS
					VN	0.62	0.00075	PASS
	3		MCH	TN	VH	-0.99	-0.0012	PASS
					VL	-12.43	-0.01486	PASS
					VN	-30.70	-0.0367	PASS
		HCH	TN	VH	-30.93	-0.03698	PASS	
				VL	2.40	0.00283	PASS	
				VN	-1.86	-0.00219	PASS	
	5	LCH	TN	VH	0.07	0.00008	PASS	
				VL	-0.99	-0.0012	PASS	
				VN	-0.94	-0.00114	PASS	
		MCH	TN	VH	-3.68	-0.00445	PASS	
				VL	3.32	0.00397	PASS	
				VN	-4.78	-0.00571	PASS	
		HCH	TN	VH	9.18	0.01097	PASS	
				VL	-0.87	-0.00103	PASS	
				VN	0.87	0.00103	PASS	
	10	LCH	TN	VH	1.22	0.00144	PASS	
				VL	-1.32	-0.00159	PASS	
				VN	-0.11	-0.00013	PASS	
		MCH	TN	VH	-1.37	-0.00165	PASS	
				VL	5.24	0.00626	PASS	
				VN	2.32	0.00277	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	2.57	0.00307	PASS
			HCH	TN	VL	0.94	0.00111	PASS
					VN	0.94	0.00111	PASS
					VH	1.76	0.00209	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	-0.26	-0.00032	PASS
					-20	-3.38	-0.0041	PASS
					-10	-6.51	-0.00789	PASS
					0	-4.59	-0.00557	PASS
					10	-2.88	-0.00349	PASS
					20	-2.19	-0.00266	PASS
					30	-0.86	-0.00104	PASS
					40	-3.30	-0.004	PASS
			50	-1.82	-0.00221	PASS		
			MCH	VN	-30	114.78	0.13721	PASS
					-20	117.46	0.14042	PASS
					-10	-2.20	-0.00263	PASS
					0	138.26	0.16528	PASS
					10	170.77	0.20415	PASS
					20	109.09	0.13041	PASS
					30	100.29	0.11989	PASS
					40	87.72	0.10487	PASS
			HCH	VN	-30	-1.79	-0.00211	PASS
					-20	-2.85	-0.00336	PASS
					-10	-2.39	-0.00282	PASS
					0	-0.23	-0.00027	PASS
					10	-0.70	-0.00083	PASS
					20	-0.31	-0.00037	PASS
					30	-0.57	-0.00067	PASS
		40			-6.25	-0.00737	PASS	
		50	-2.95	-0.00348	PASS			
		3	LCH	VN	-30	0.20	0.00024	PASS
					-20	-0.30	-0.00036	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-0.07	-0.00008	PASS
					0	-2.02	-0.00245	PASS
					10	-0.29	-0.00035	PASS
					20	-1.16	-0.00141	PASS
					30	-0.34	-0.00041	PASS
					40	1.82	0.0022	PASS
					50	-4.85	-0.00588	PASS
			MCH	VN	-30	-0.84	-0.001	PASS
					-20	-0.73	-0.00087	PASS
					-10	-0.96	-0.00115	PASS
					0	0.41	0.00049	PASS
					10	-1.47	-0.00176	PASS
					20	-2.03	-0.00243	PASS
					30	-1.30	-0.00155	PASS
			HCH	VN	40	-1.70	-0.00203	PASS
					50	-0.37	-0.00044	PASS
					-30	-0.44	-0.00052	PASS
					-20	-3.85	-0.00454	PASS
					-10	-1.20	-0.00142	PASS
					0	-4.22	-0.00498	PASS
					10	2.22	0.00262	PASS
			LCH	VN	20	1.27	0.0015	PASS
					30	-3.56	-0.0042	PASS
					40	-9.00	-0.01062	PASS
					50	0.34	0.0004	PASS
					-30	-1.97	-0.00238	PASS
					-20	0.23	0.00028	PASS
					-10	-3.83	-0.00463	PASS
			MCH	VN	0	-4.22	-0.00511	PASS
					10	-3.55	-0.0043	PASS
					20	-0.62	-0.00075	PASS
					30	-0.74	-0.0009	PASS
					40	-1.77	-0.00214	PASS
					50	0.19	0.00023	PASS
					-30	-6.72	-0.00803	PASS
MCH	VN	-20	-4.42	-0.00528	PASS			
		-10	-10.01	-0.01197	PASS			
		0	-9.64	-0.01152	PASS			
		10	0.76	0.00091	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-0.21	-0.00025	PASS		
					30	-6.78	-0.00811	PASS		
					40	0.24	0.00029	PASS		
					50	-2.83	-0.00338	PASS		
			HCH	VN	-30	-0.29	-0.00034	PASS		
					-20	-0.86	-0.00102	PASS		
					-10	-0.57	-0.00067	PASS		
					0	1.36	0.00161	PASS		
					10	-0.41	-0.00048	PASS		
					20	0.96	0.00113	PASS		
					30	-1.26	-0.00149	PASS		
					40	-1.32	-0.00156	PASS		
					50	-1.67	-0.00197	PASS		
					LCH	VN	-30	-0.33	-0.0004	PASS
							-20	-0.44	-0.00053	PASS
							-10	0.26	0.00031	PASS
		0	-0.07	-0.00008			PASS			
		10	-1.39	-0.00168			PASS			
		20	-1.54	-0.00186			PASS			
		30	0.21	0.00025			PASS			
		40	-1.40	-0.00169			PASS			
		MCH	VN	50	0.36	0.00043	PASS			
				-30	-2.10	-0.00251	PASS			
				-20	-2.69	-0.00322	PASS			
				-10	-3.39	-0.00405	PASS			
				0	-2.06	-0.00246	PASS			
				10	-1.42	-0.0017	PASS			
				20	-4.16	-0.00497	PASS			
				30	-3.06	-0.00366	PASS			
		HCH	VN	40	-1.56	-0.00186	PASS			
				50	-2.69	-0.00322	PASS			
				-30	-1.37	-0.00162	PASS			
				-20	-1.66	-0.00197	PASS			
				-10	-1.69	-0.002	PASS			
				0	-1.30	-0.00154	PASS			
				10	-1.34	-0.00159	PASS			
				20	-1.14	-0.00135	PASS			
				10	HCH	VN	30	-0.47	-0.00056	PASS
							40	-1.14	-0.00135	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	50	-1.02	-0.00121	PASS
					-30	-1.82	-0.00221	PASS
					-20	-2.30	-0.00279	PASS
					-10	0.34	0.00041	PASS
					0	-1.33	-0.00161	PASS
					10	-4.92	-0.00597	PASS
					20	-6.72	-0.00815	PASS
					30	-4.98	-0.00604	PASS
					40	-4.26	-0.00517	PASS
			50	-3.60	-0.00437	PASS		
			MCH	VN	-30	0.33	0.00039	PASS
					-20	-0.66	-0.00079	PASS
					-10	0.66	0.00079	PASS
					0	0.37	0.00044	PASS
					10	-0.37	-0.00044	PASS
					20	-0.29	-0.00035	PASS
					30	0.67	0.0008	PASS
					40	-1.50	-0.00179	PASS
					50	0.83	0.00099	PASS
			HCH	VN	-30	2.05	0.00242	PASS
					-20	1.16	0.00137	PASS
					-10	0.43	0.00051	PASS
					0	0.73	0.00086	PASS
					10	-0.57	-0.00067	PASS
		20			-0.76	-0.0009	PASS	
		30			-3.35	-0.00395	PASS	
		40			-0.94	-0.00111	PASS	
		50			-0.83	-0.00098	PASS	
		3	LCH	VN	-30	-1.63	-0.00197	PASS
					-20	1.70	0.00206	PASS
					-10	-0.34	-0.00041	PASS
					0	1.22	0.00148	PASS
					10	-3.33	-0.00403	PASS
					20	-1.85	-0.00224	PASS
					30	-1.00	-0.00121	PASS
					40	-1.14	-0.00138	PASS
50	-4.32				-0.00523	PASS		
MCH	VN		-30	-0.13	-0.00016	PASS		
			-20	-1.95	-0.00233	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	-1.49	-0.00178	PASS		
					0	-1.26	-0.00151	PASS		
					10	-0.60	-0.00072	PASS		
					20	-1.70	-0.00203	PASS		
					30	0.23	0.00027	PASS		
					40	-0.54	-0.00065	PASS		
					50	0.34	0.00041	PASS		
					HCH	VN	-30	-0.99	-0.00117	PASS
							-20	-1.59	-0.00188	PASS
							-10	-0.74	-0.00087	PASS
			0	-0.97			-0.00114	PASS		
			10	-1.75			-0.00206	PASS		
			20	-2.66			-0.00314	PASS		
			30	-2.33			-0.00275	PASS		
			40	-1.42			-0.00168	PASS		
			50	-2.75			-0.00324	PASS		
			5	LCH			VN	-30	-0.66	-0.0008
					-20	-0.39		-0.00047	PASS	
					-10	-0.90		-0.00109	PASS	
					0	0.84		0.00102	PASS	
		10			-0.34	-0.00041		PASS		
		20			-0.36	-0.00044		PASS		
		30			0.04	0.00005		PASS		
		40			-0.69	-0.00083		PASS		
		50			0.77	0.00093		PASS		
		MCH			VN	-30		-9.11	-0.01089	PASS
				-20		-8.78	-0.0105	PASS		
				-10		-4.18	-0.005	PASS		
				0		-5.15	-0.00616	PASS		
				10		-3.60	-0.0043	PASS		
				20		-2.05	-0.00245	PASS		
				30		-2.62	-0.00313	PASS		
				40		-6.88	-0.00822	PASS		
		HCH		VN	-30	-0.73	-0.00086	PASS		
					-20	0.96	0.00113	PASS		
					-10	0.19	0.00022	PASS		
			0		-1.95	-0.0023	PASS			
			10		-1.96	-0.00232	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					20	-0.24	-0.00028	PASS			
					30	0.29	0.00034	PASS			
					40	-0.76	-0.0009	PASS			
					50	-0.57	-0.00067	PASS			
		10		LCH	VN	-30	0.24	0.00029	PASS		
						-20	-1.77	-0.00214	PASS		
						-10	-2.79	-0.00337	PASS		
						0	-0.40	-0.00048	PASS		
						10	-0.62	-0.00075	PASS		
						20	0.23	0.00028	PASS		
						30	-1.57	-0.00189	PASS		
						40	-1.39	-0.00168	PASS		
						50	-1.32	-0.00159	PASS		
						MCH	VN	-30	-1.37	-0.00164	PASS
								-20	-1.42	-0.0017	PASS
								-10	-1.86	-0.00222	PASS
								0	-2.76	-0.0033	PASS
								10	-2.60	-0.00311	PASS
								20	-1.47	-0.00176	PASS
								30	-1.33	-0.00159	PASS
				40	-2.15			-0.00257	PASS		
				HCH	VN	50	-2.33	-0.00279	PASS		
						-30	-1.32	-0.00156	PASS		
						-20	0.10	0.00012	PASS		
						-10	0.10	0.00012	PASS		
						0	-0.90	-0.00107	PASS		
						10	-1.82	-0.00216	PASS		
						20	-5.65	-0.00669	PASS		
						30	-1.52	-0.0018	PASS		
				40	-3.19	-0.00378	PASS				
				50	-7.58	-0.00898	PASS				

END