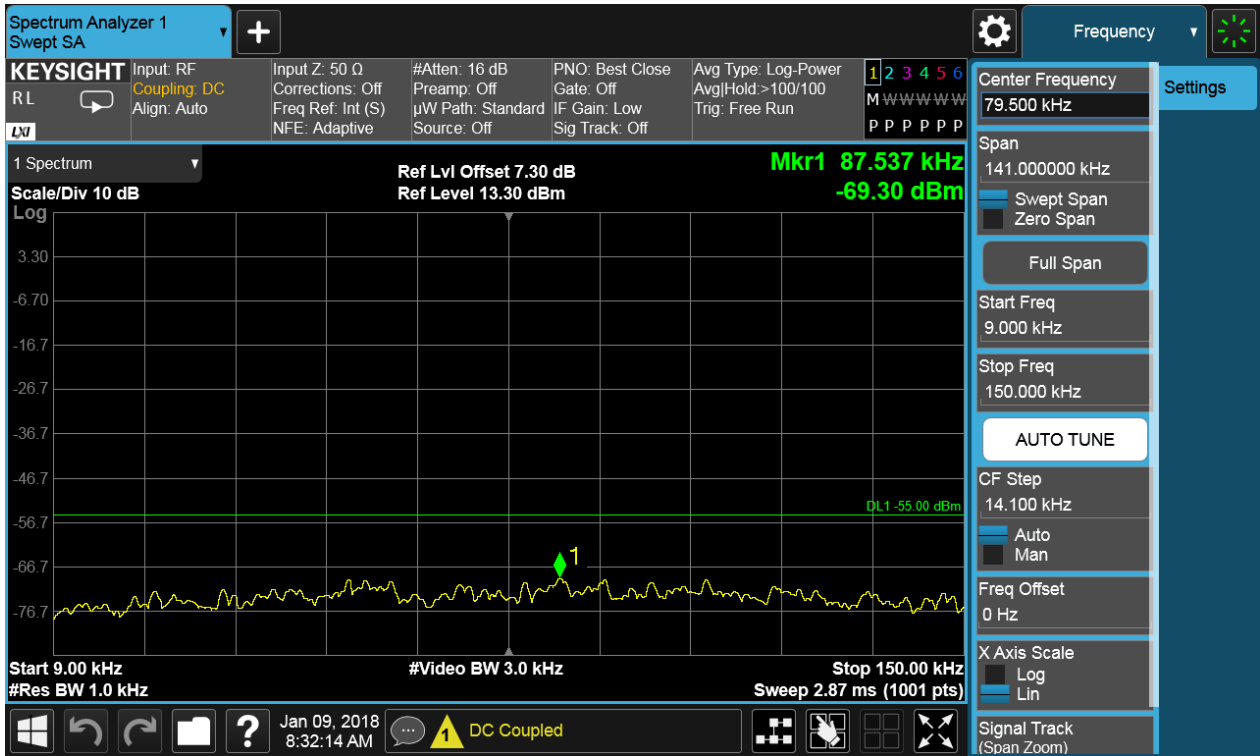
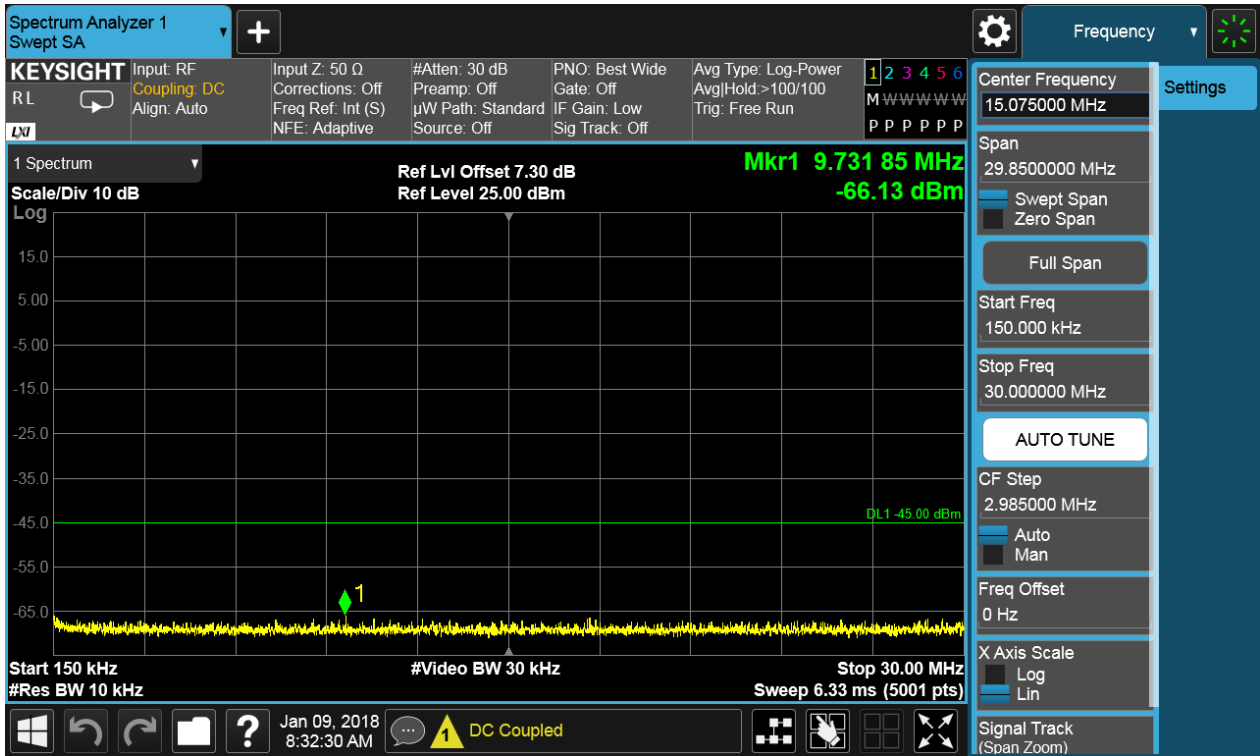
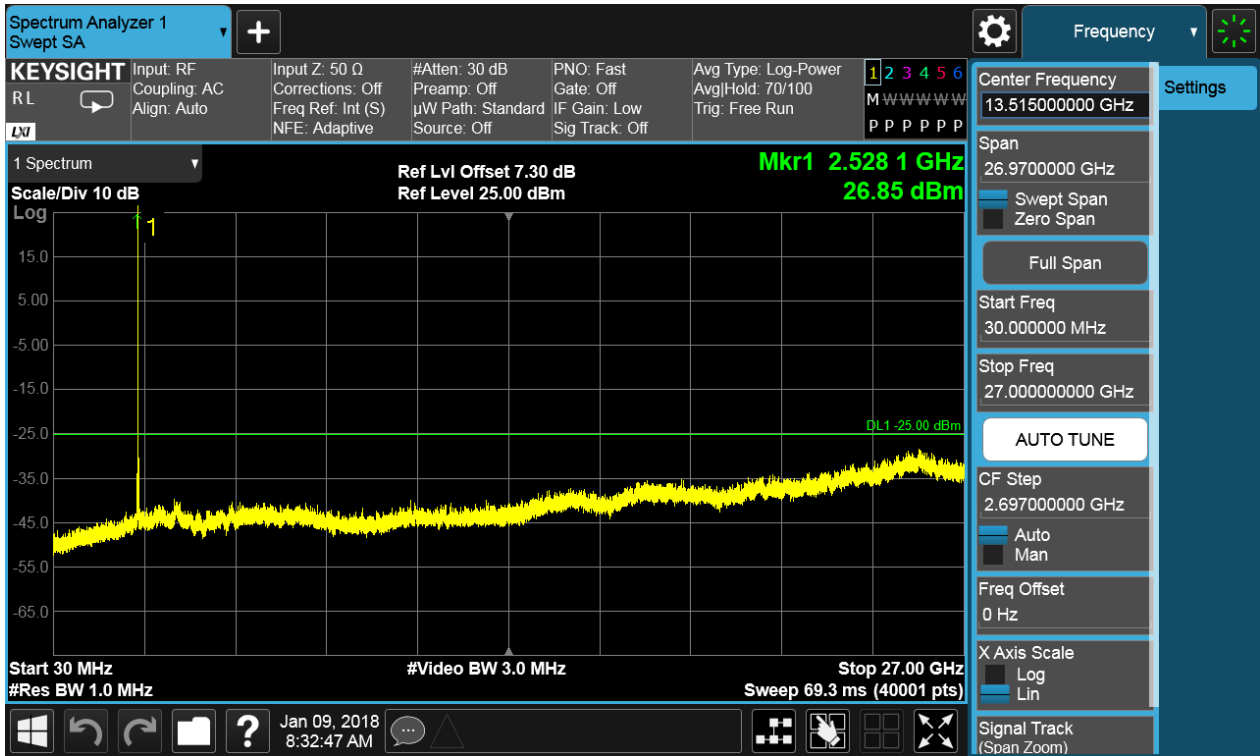


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

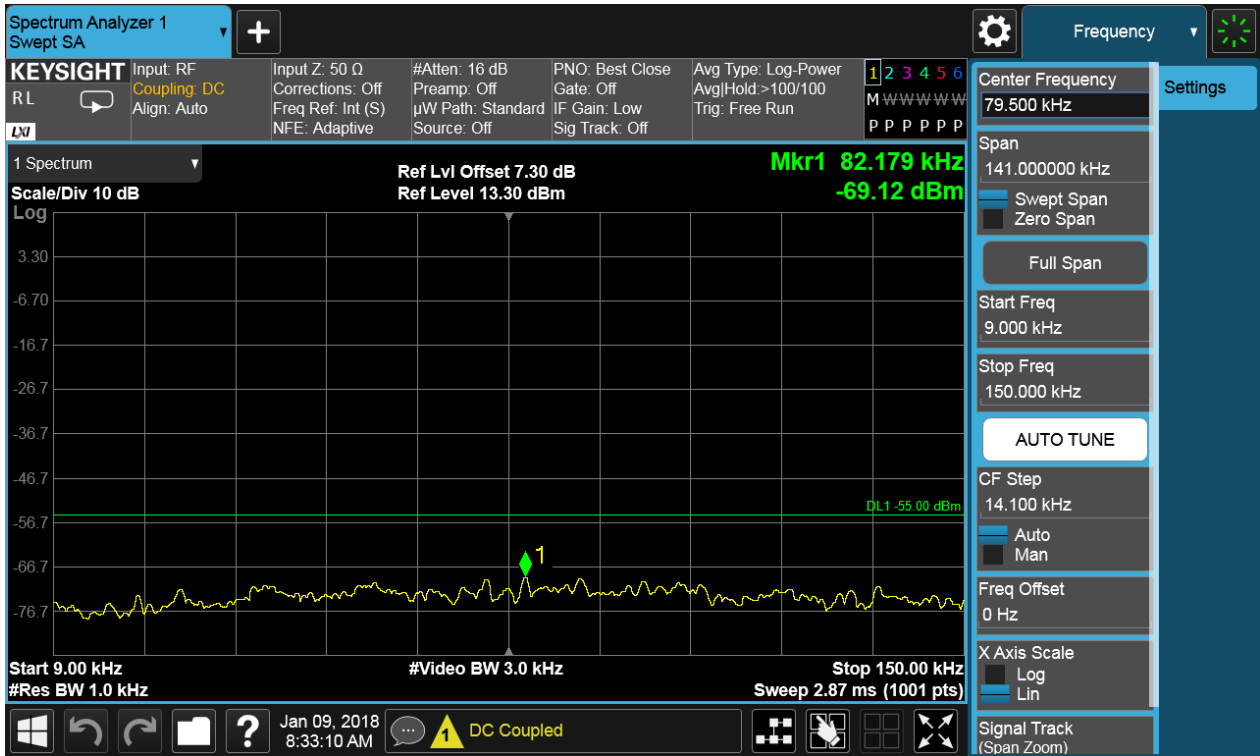


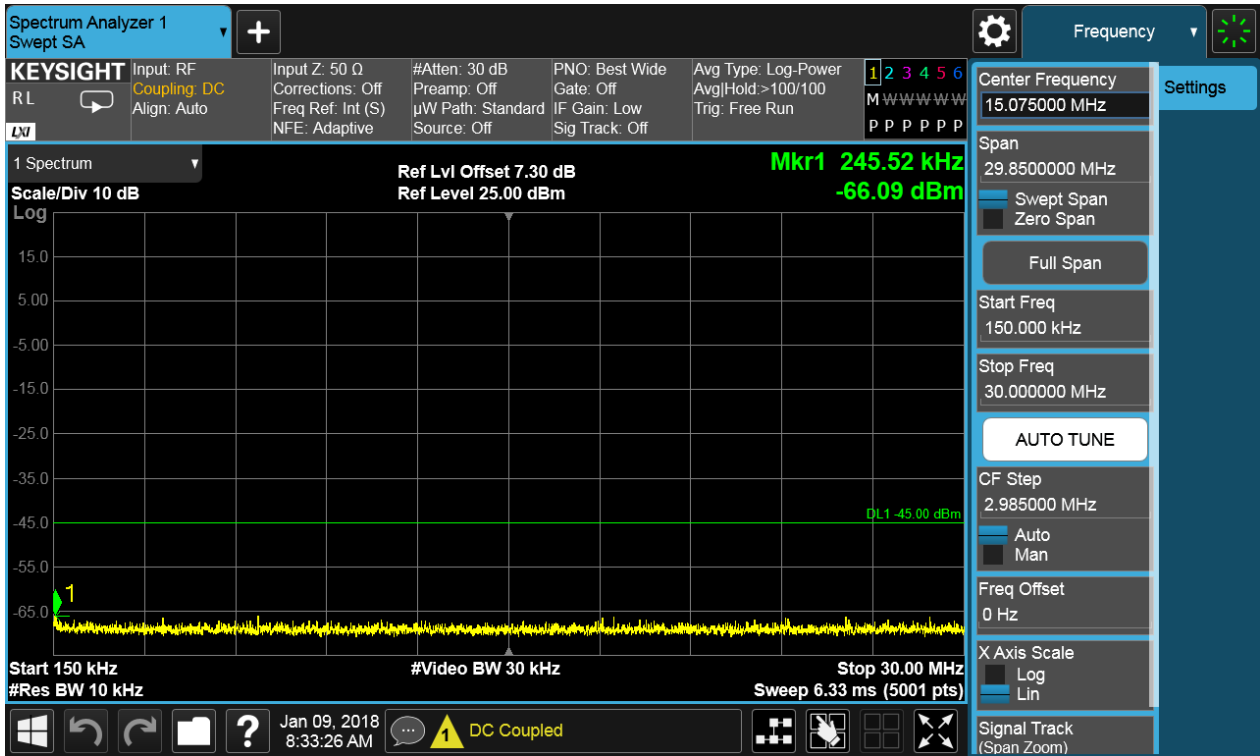


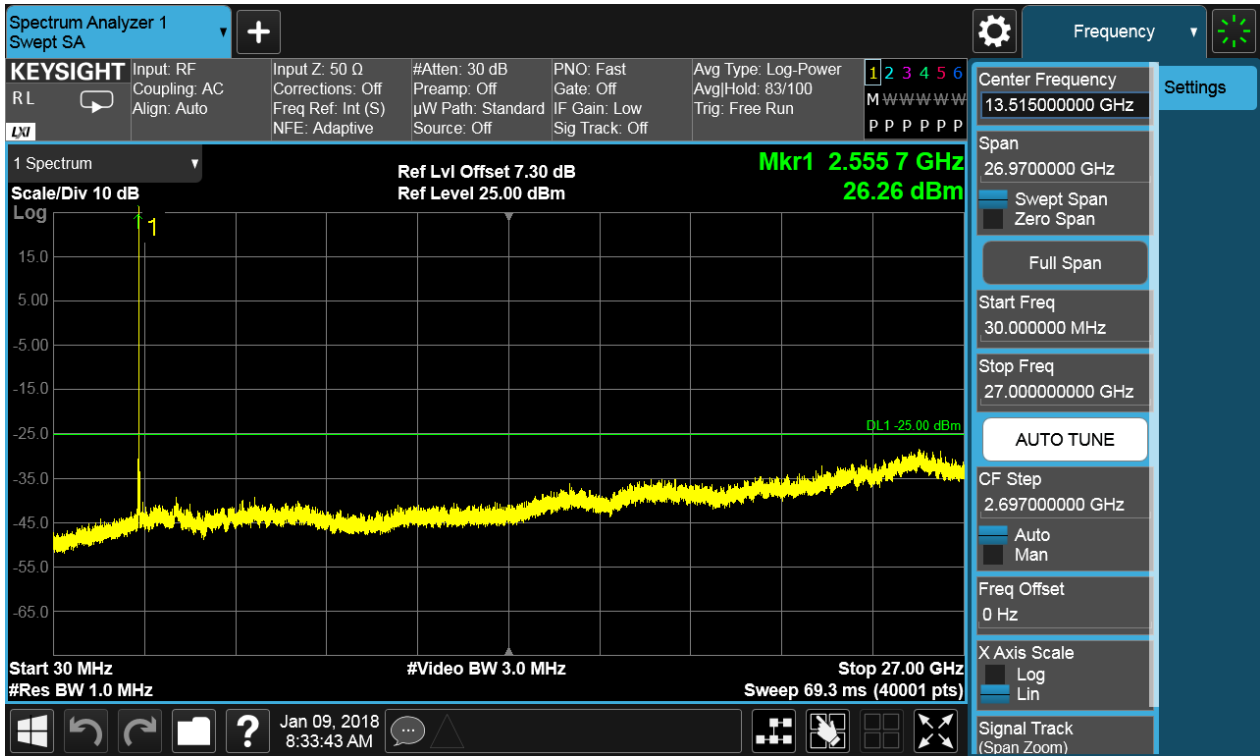


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





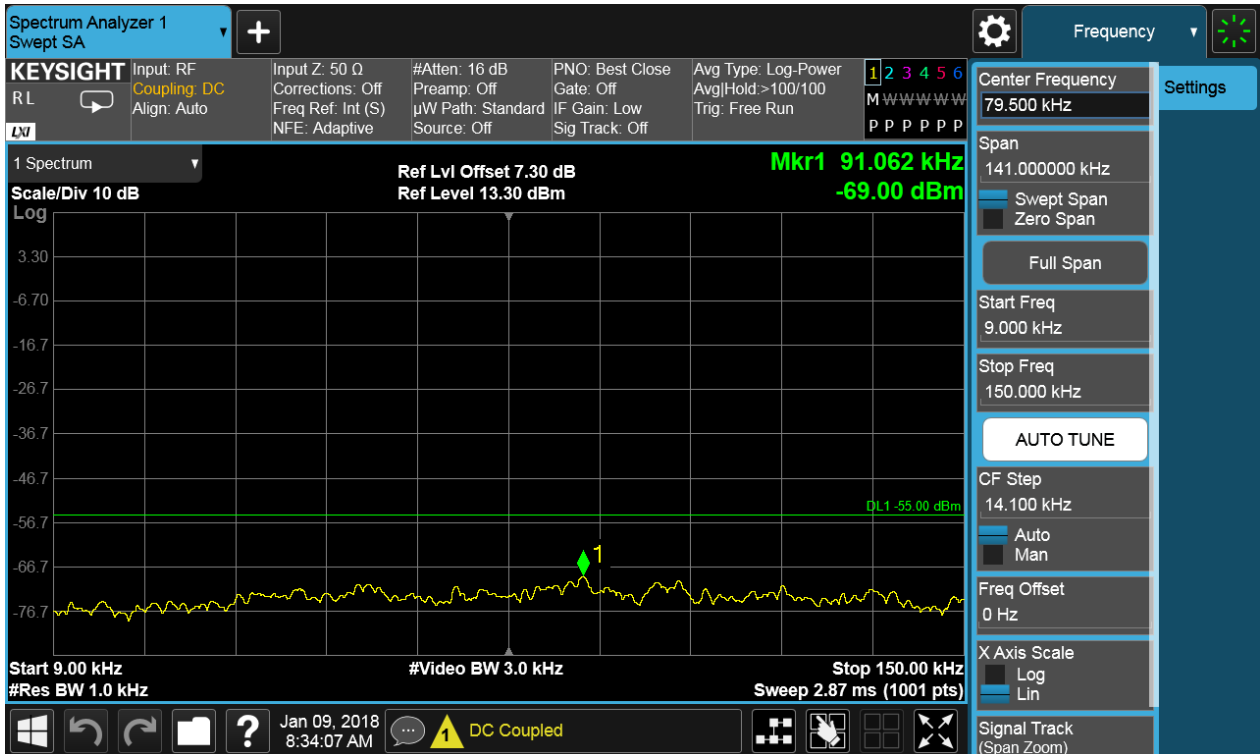


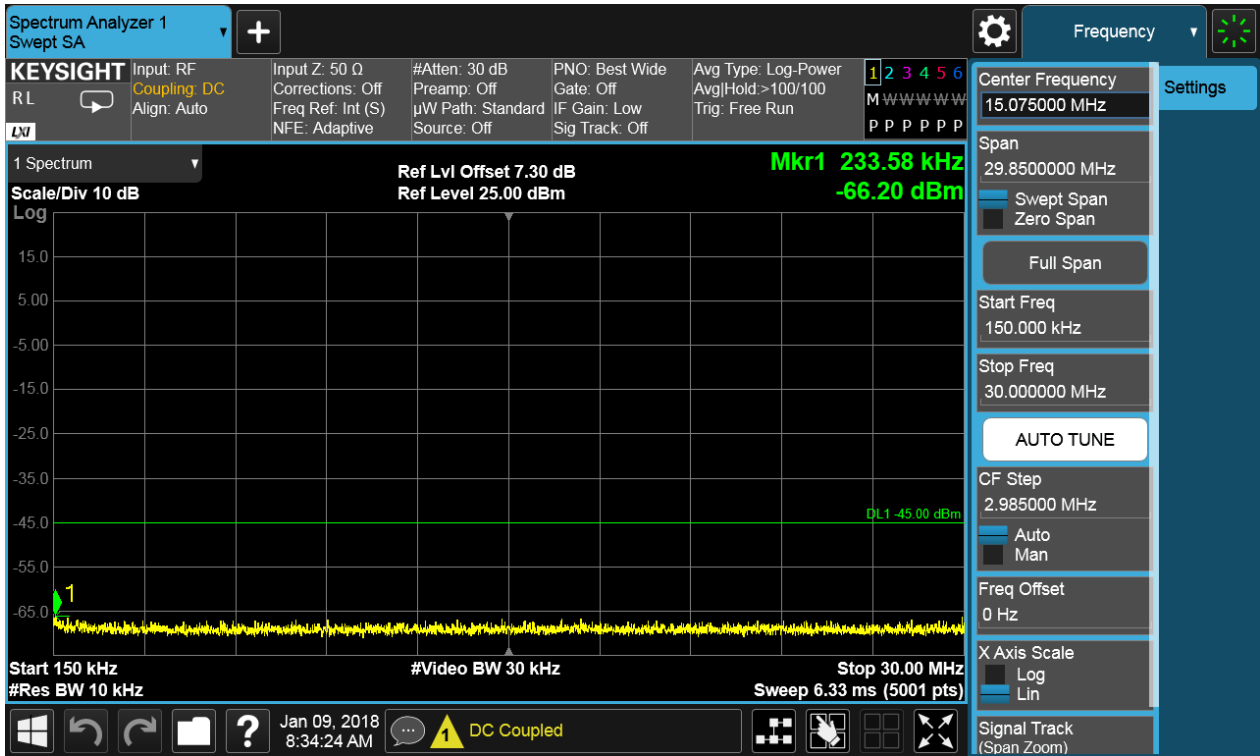


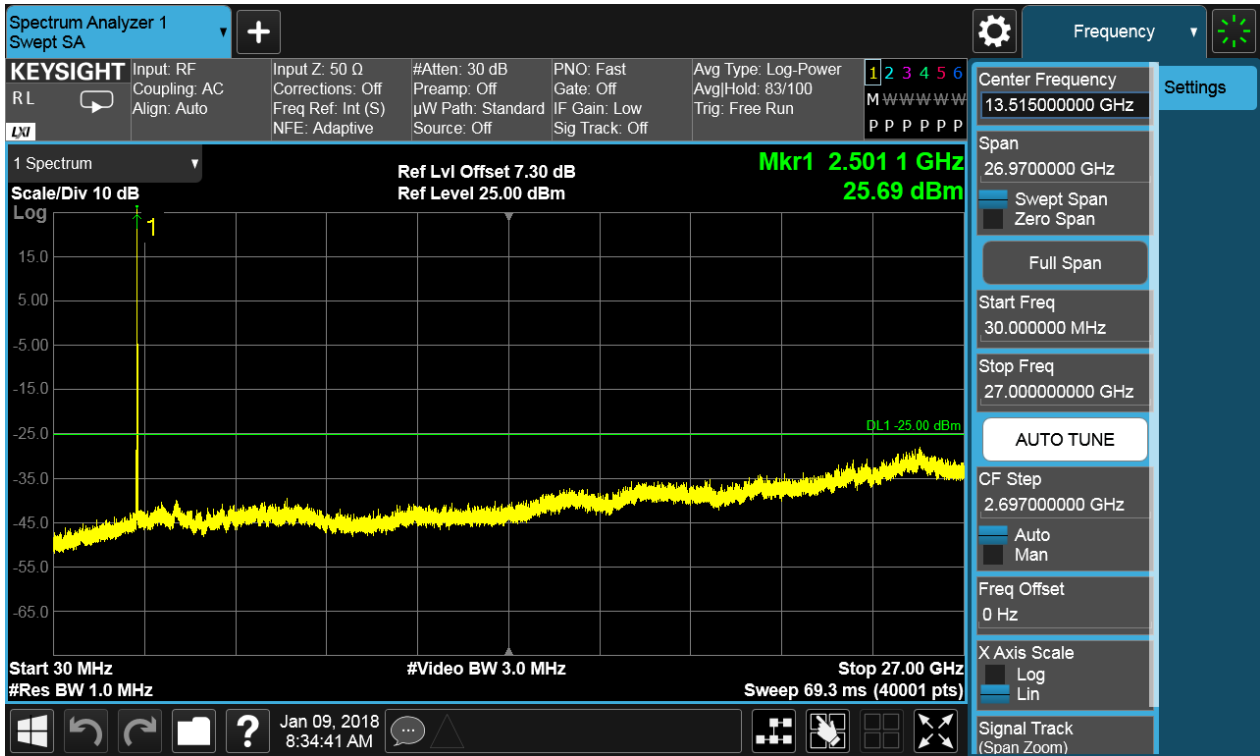
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

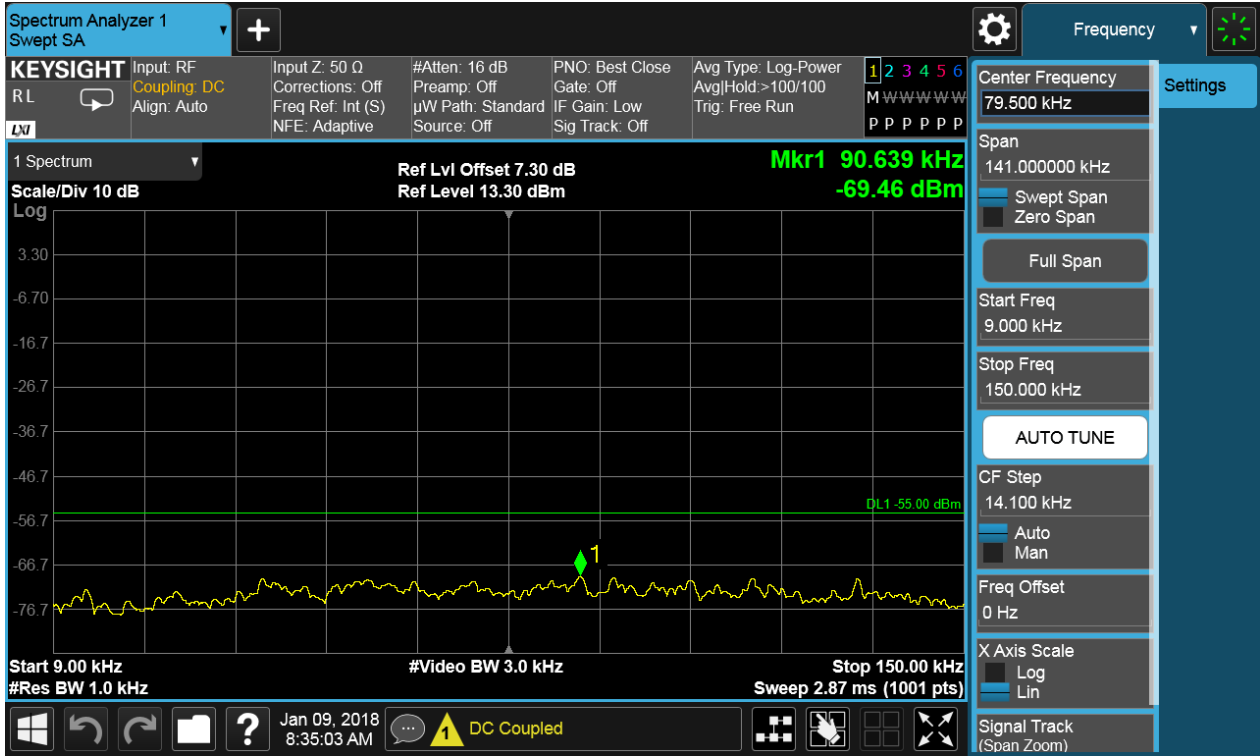


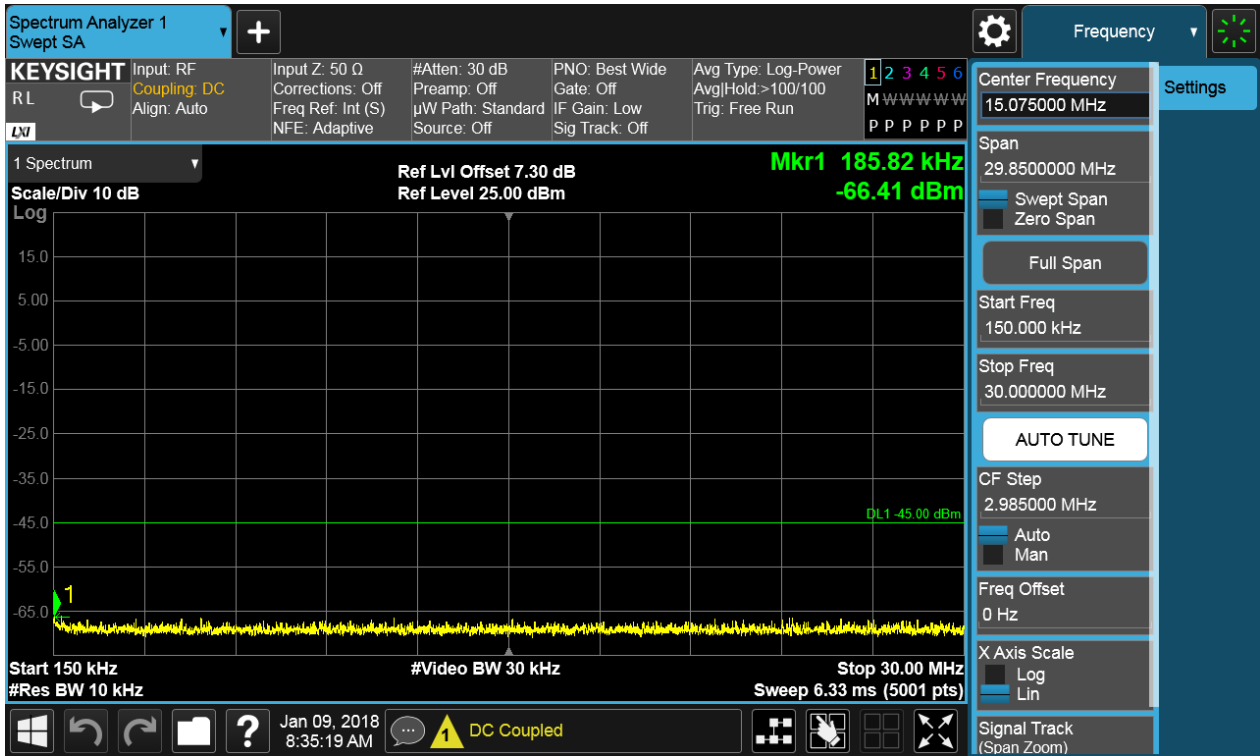


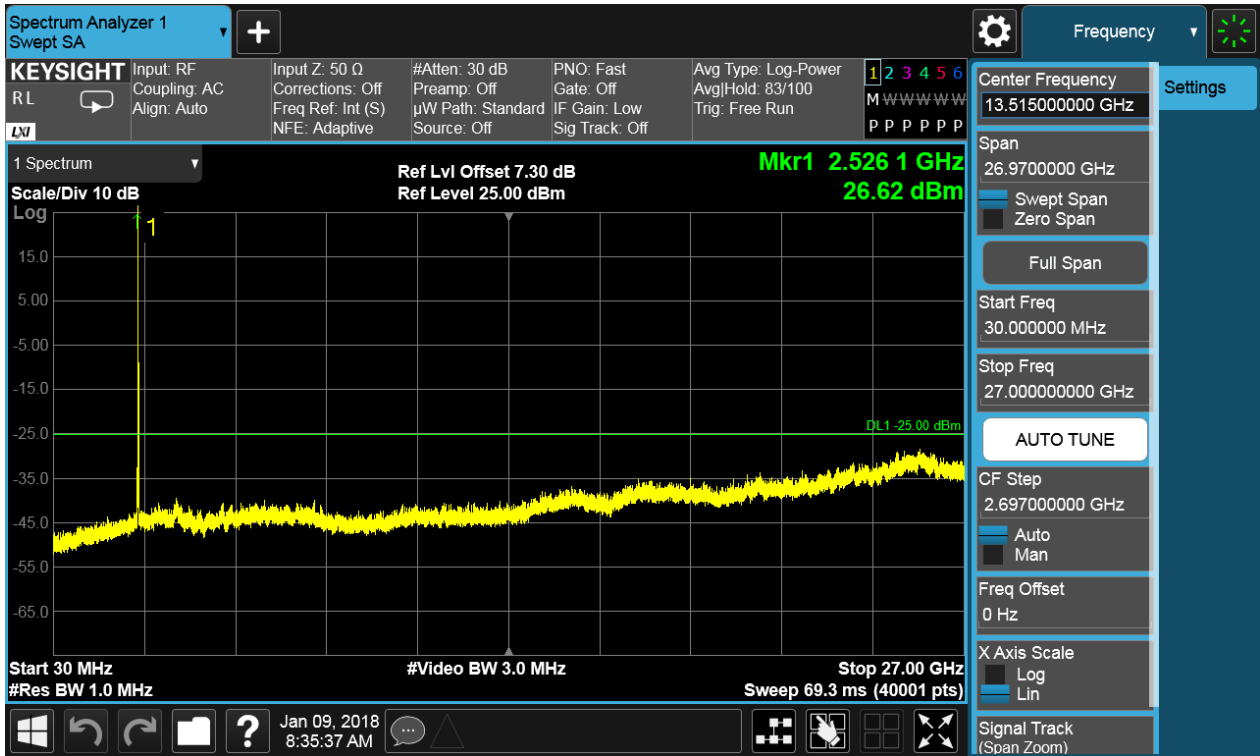


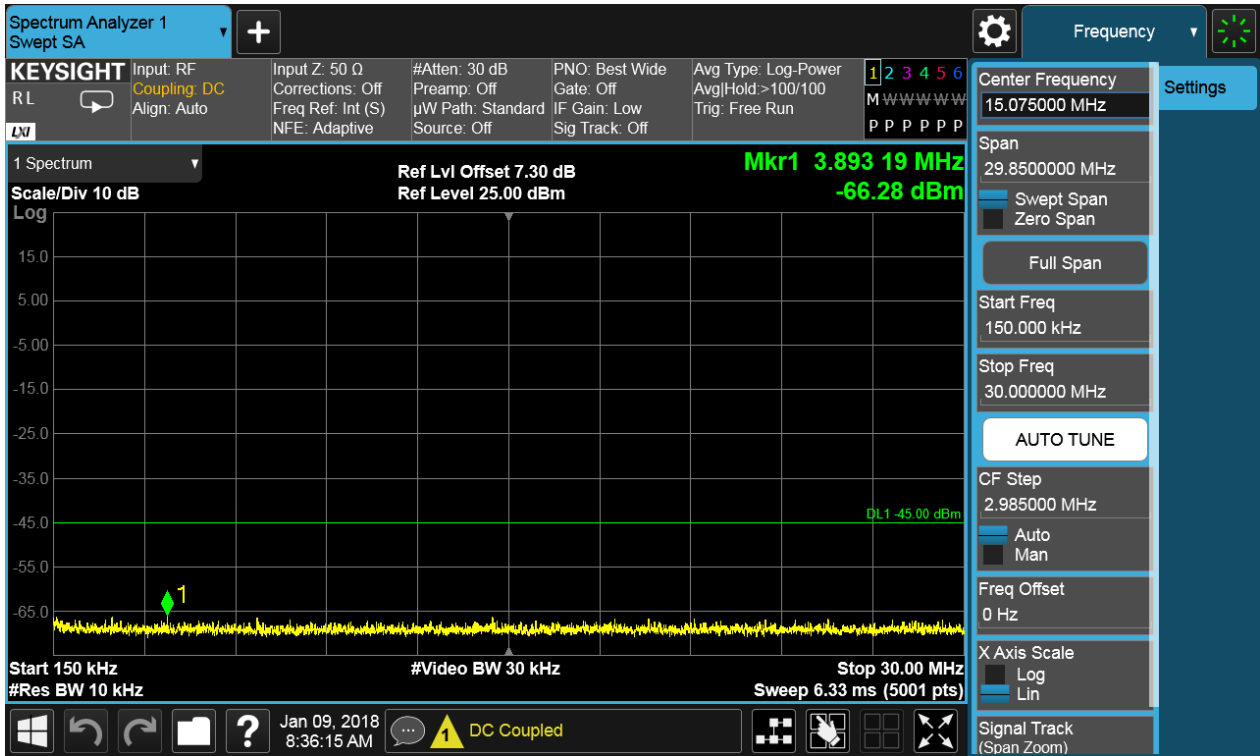
6.1.1.1.4.2 Test Channel = MCH

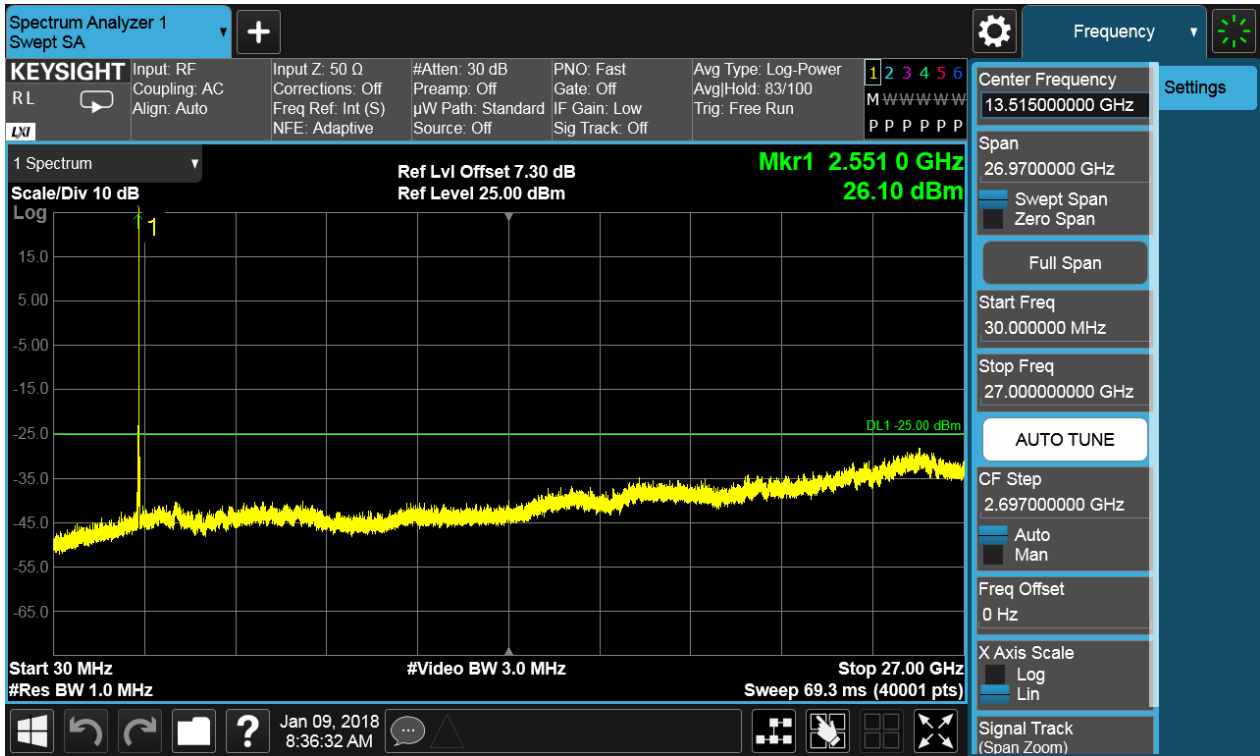
6.1.1.1.4.2.1 Test RB = RB1#0











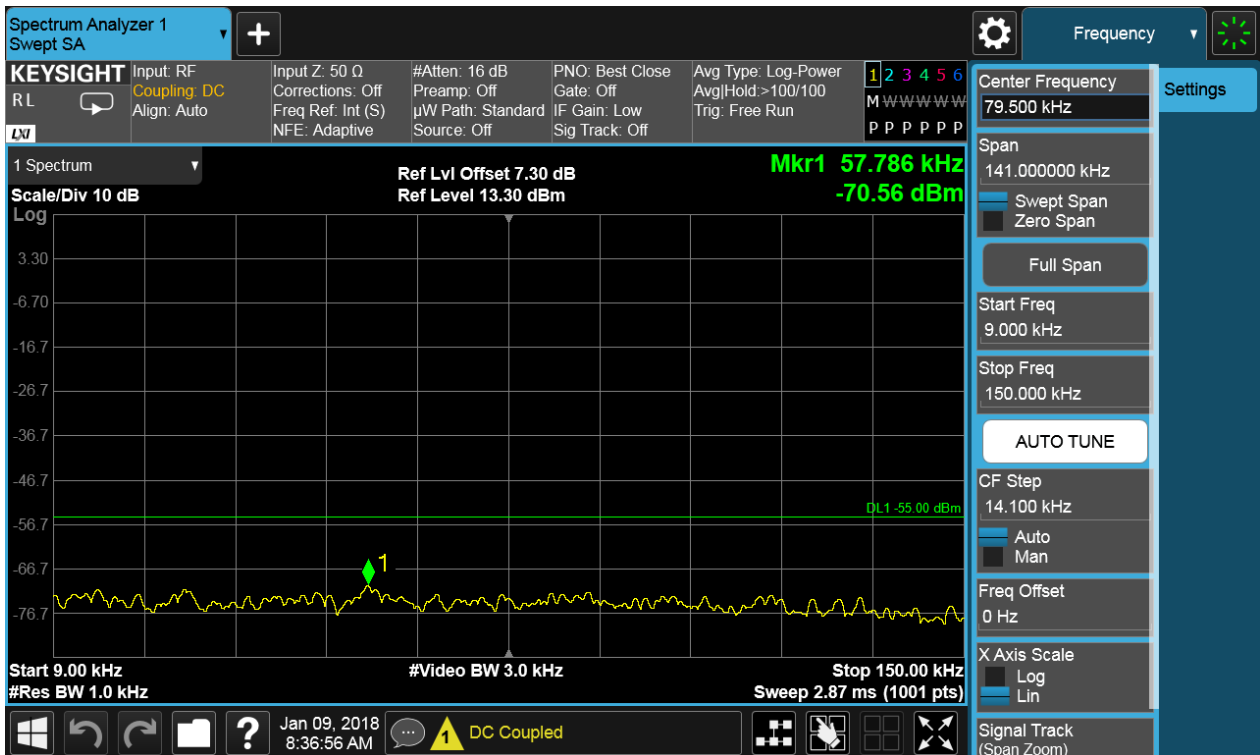


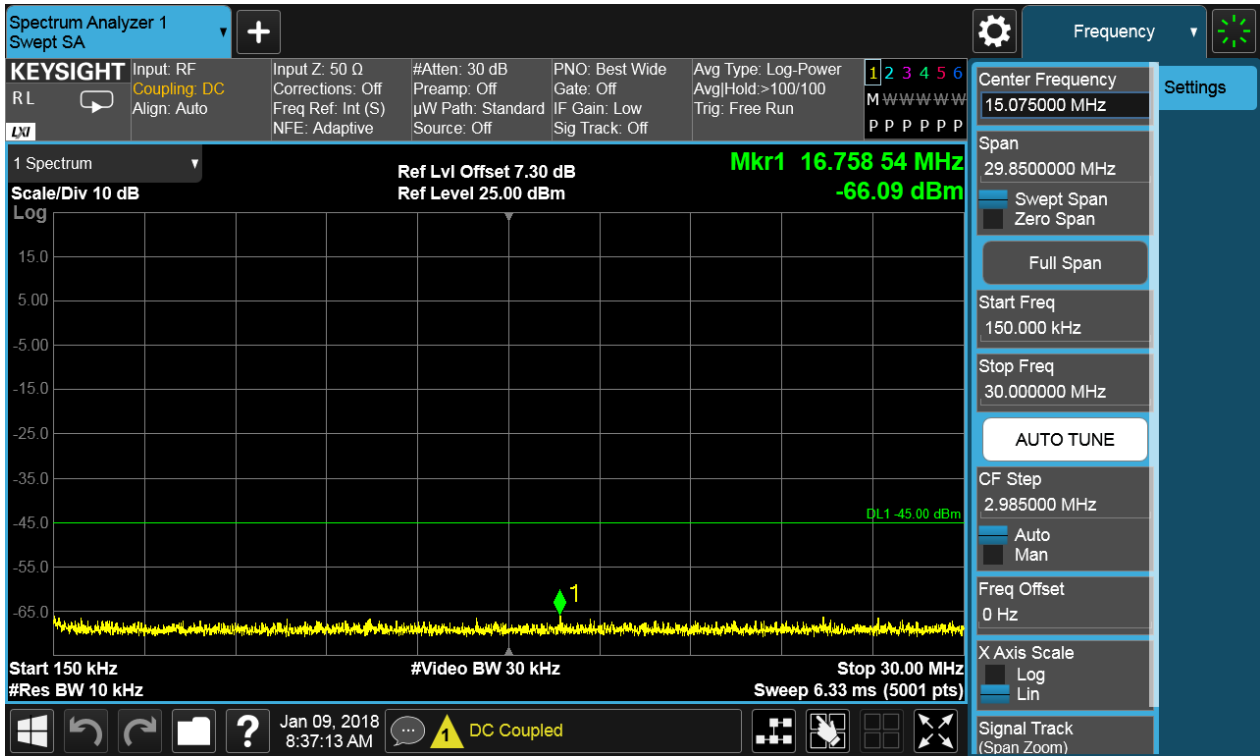
6.1.1.2 Test Mode = LTE/TM2

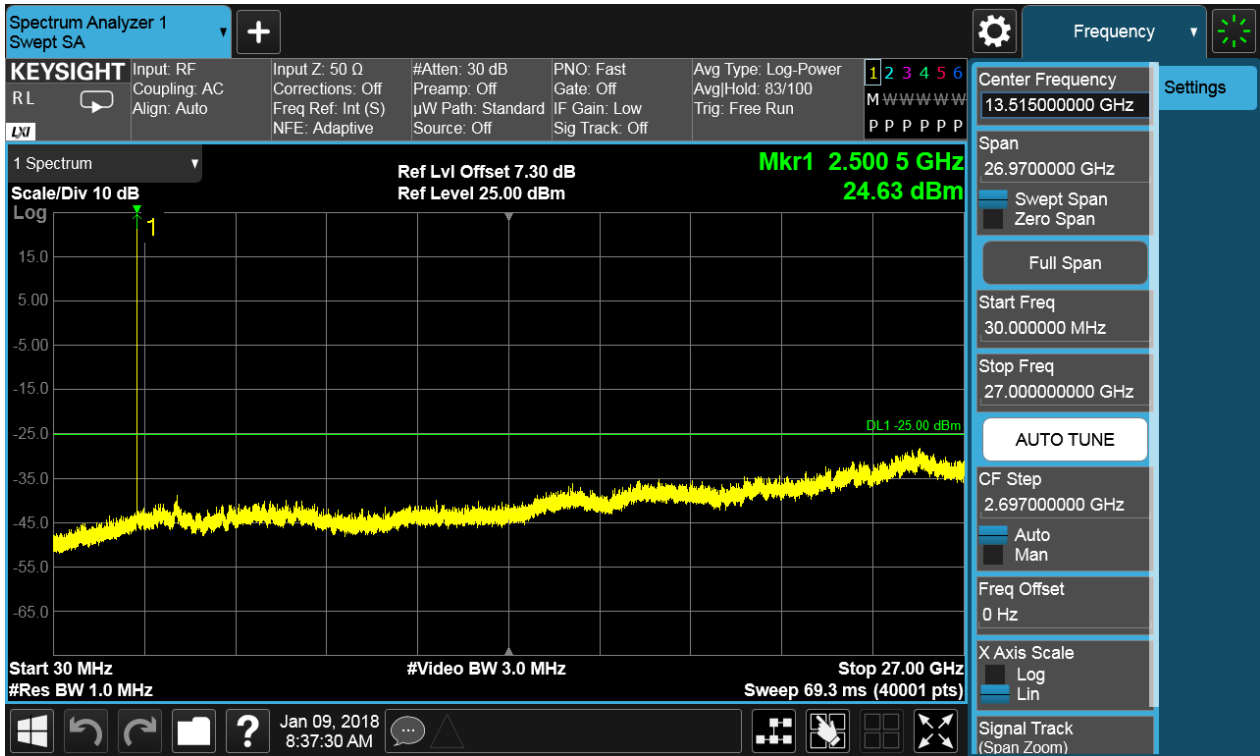
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

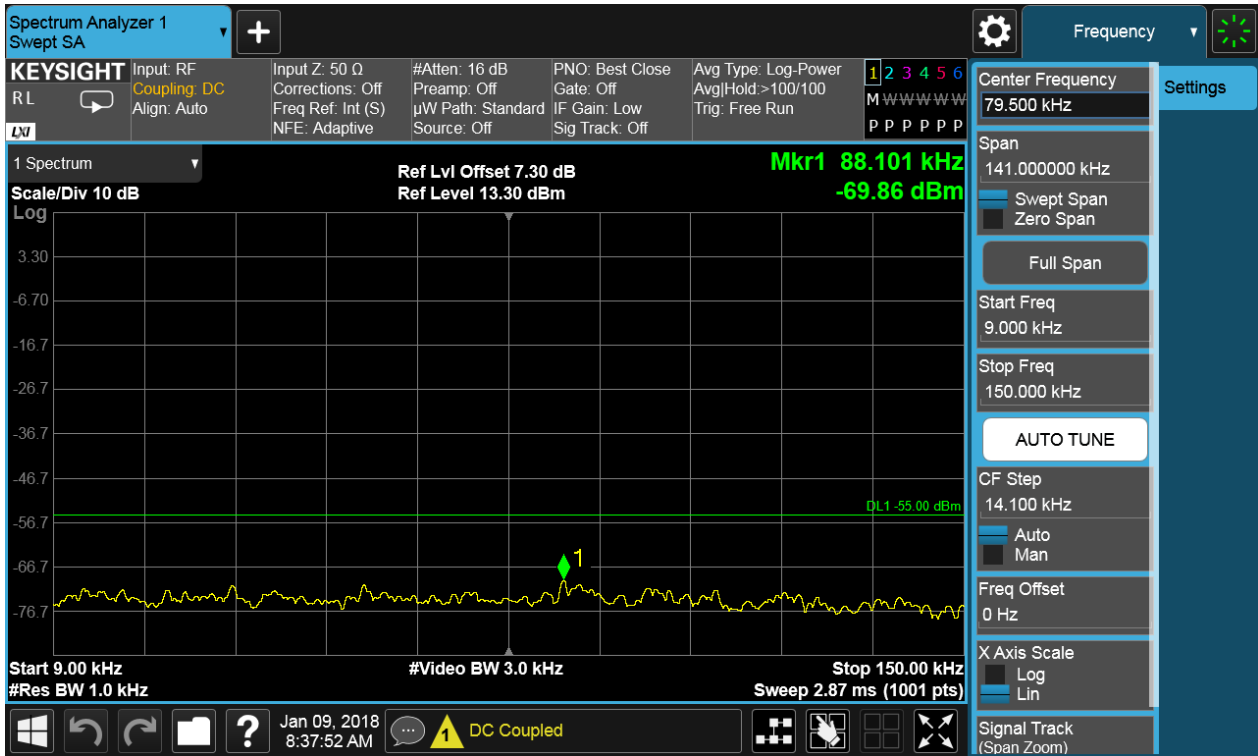


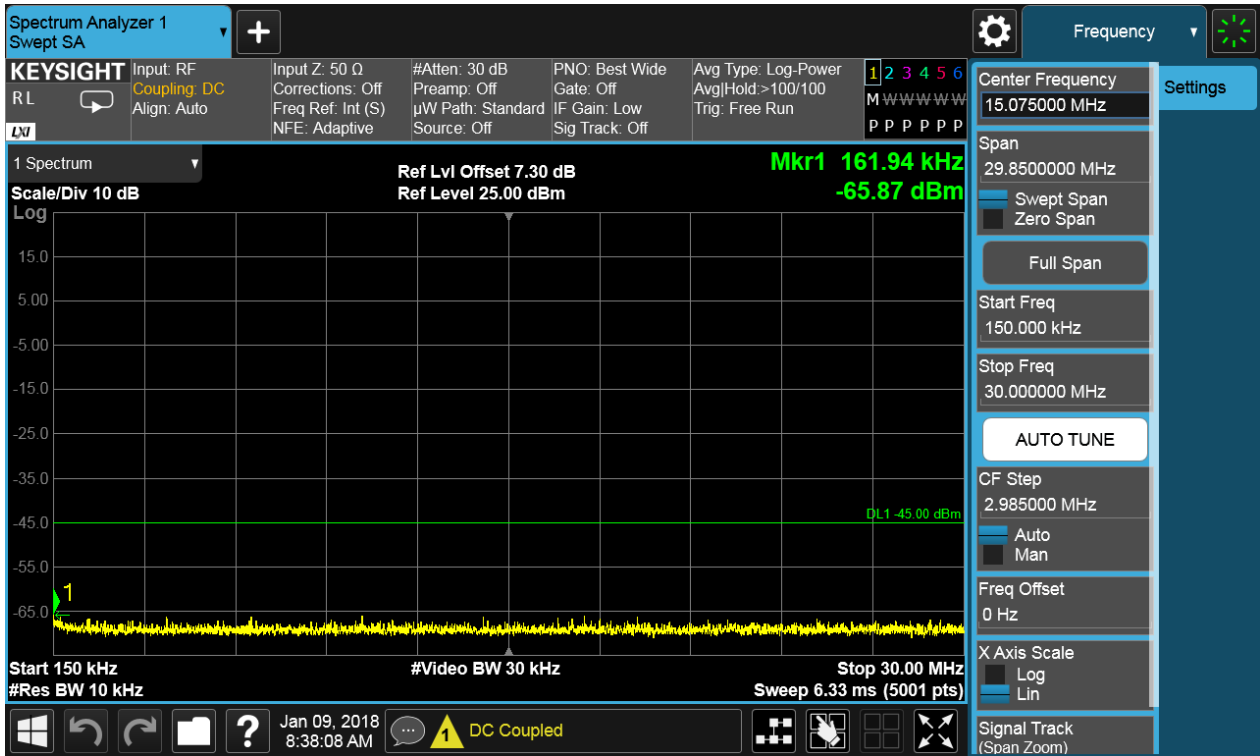


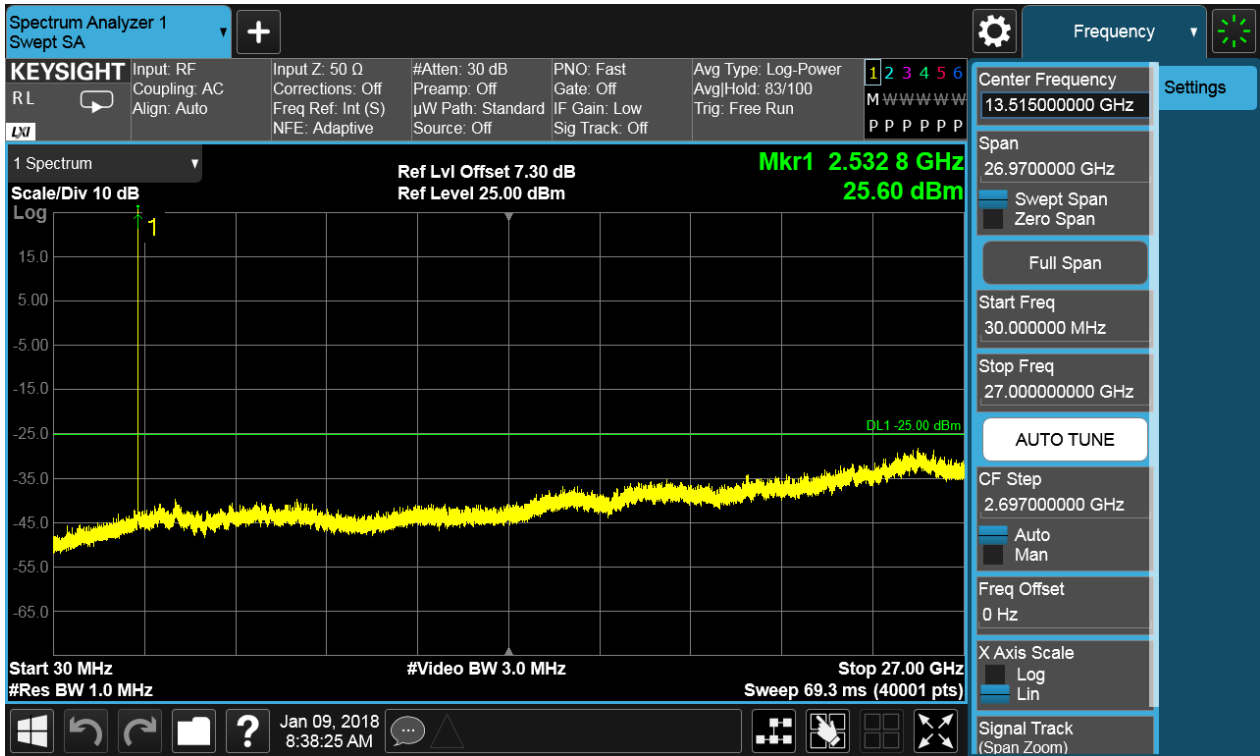


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

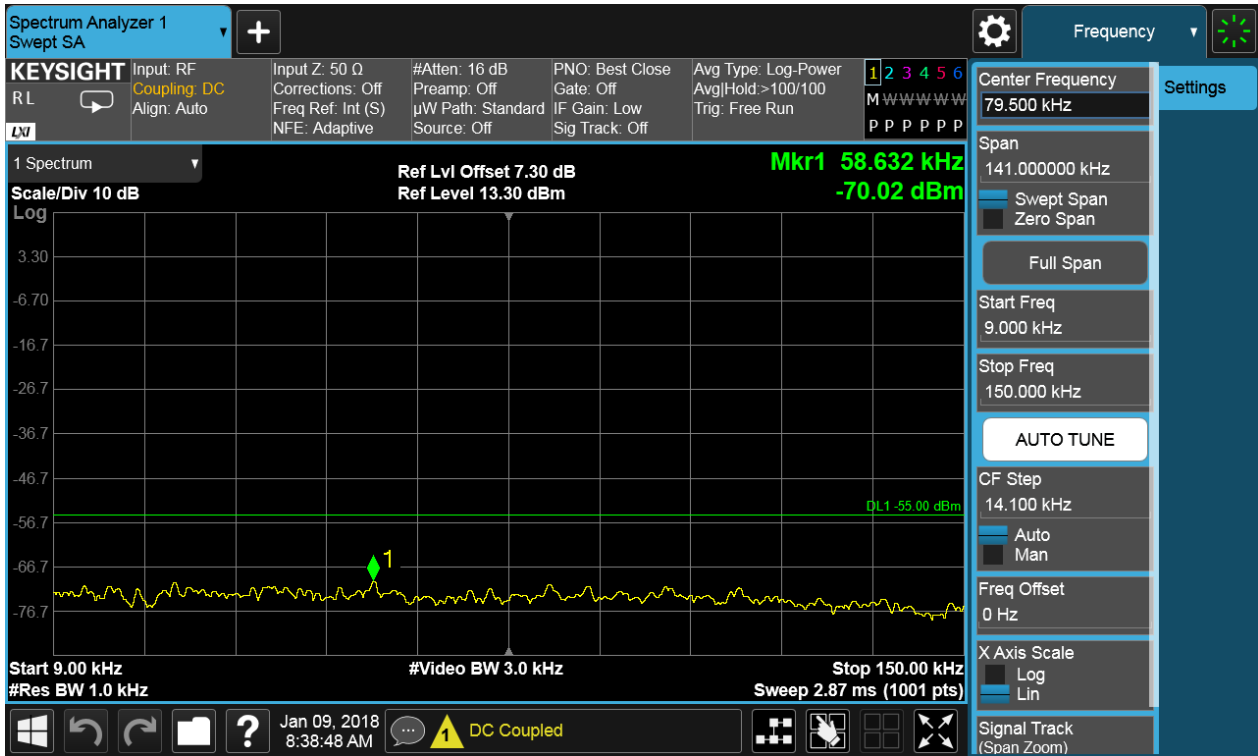


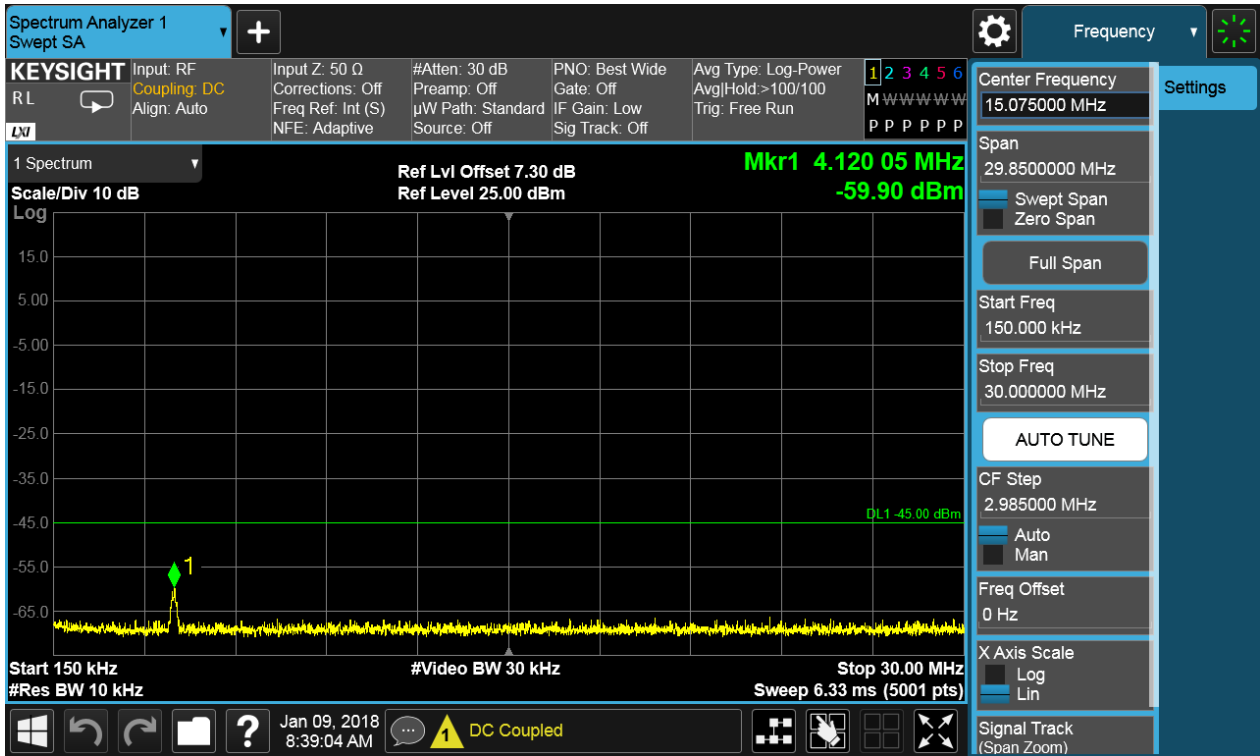


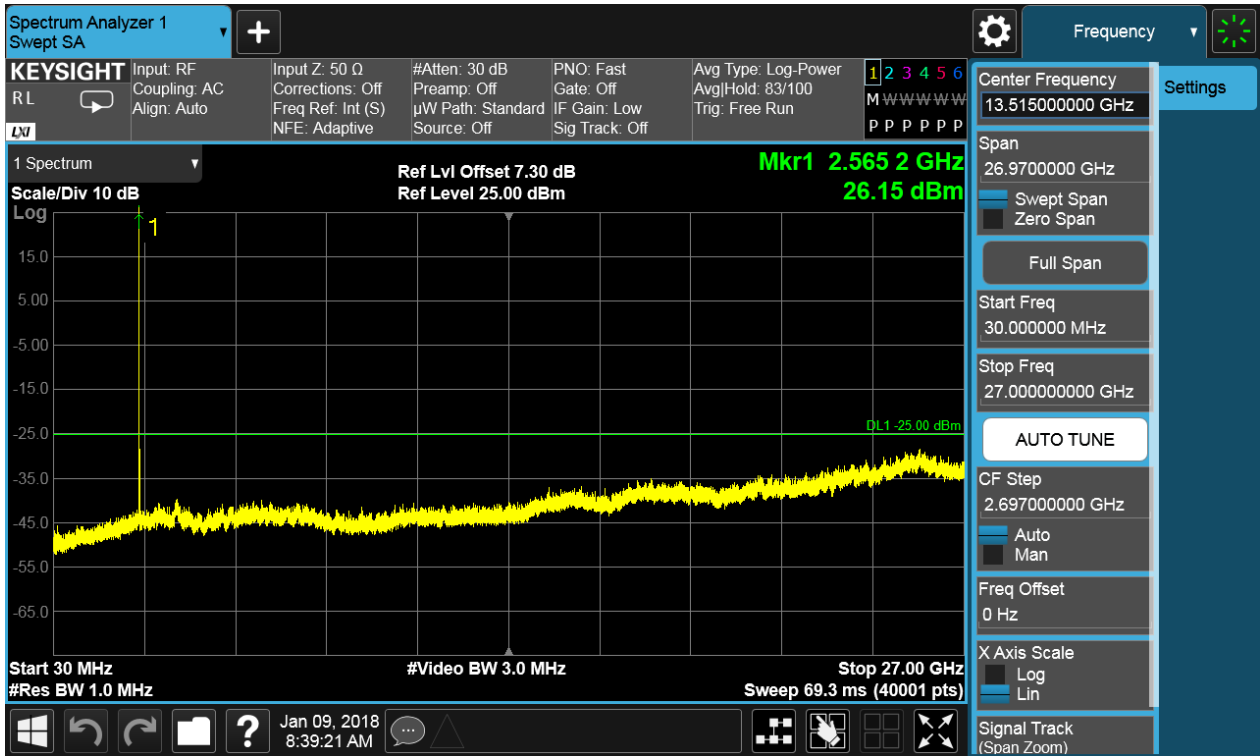


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





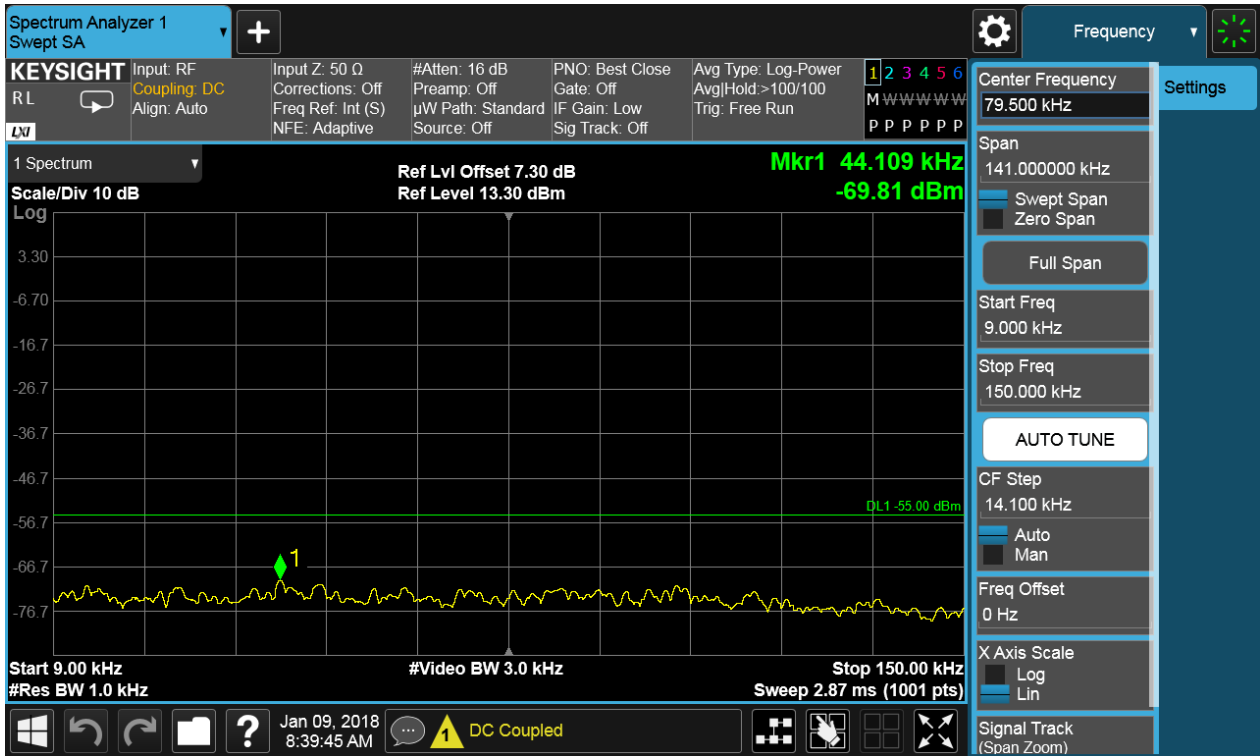


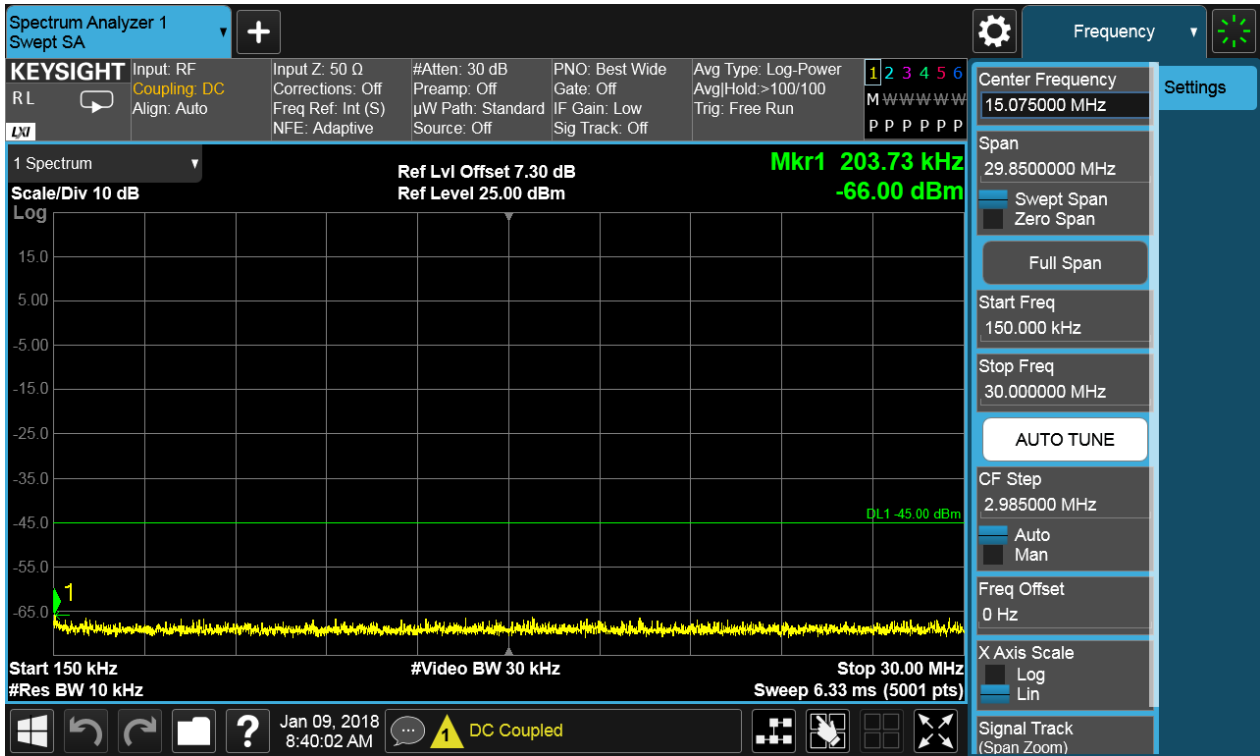


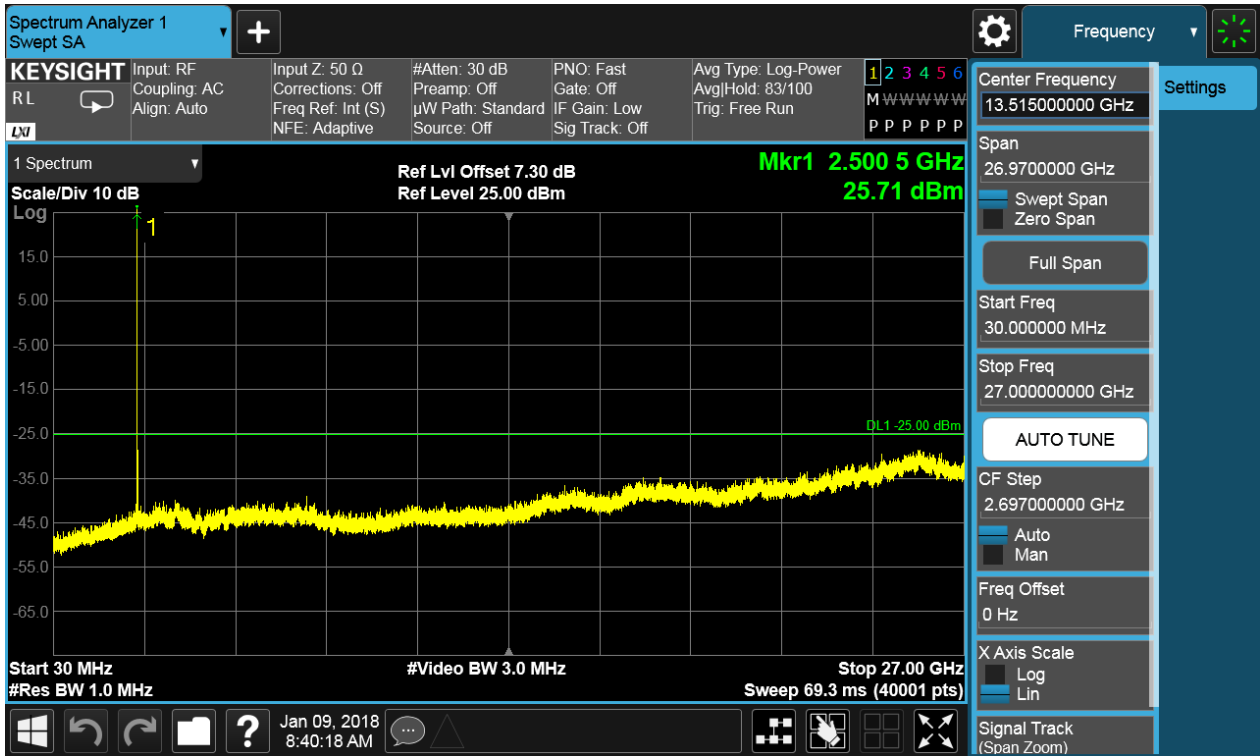
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

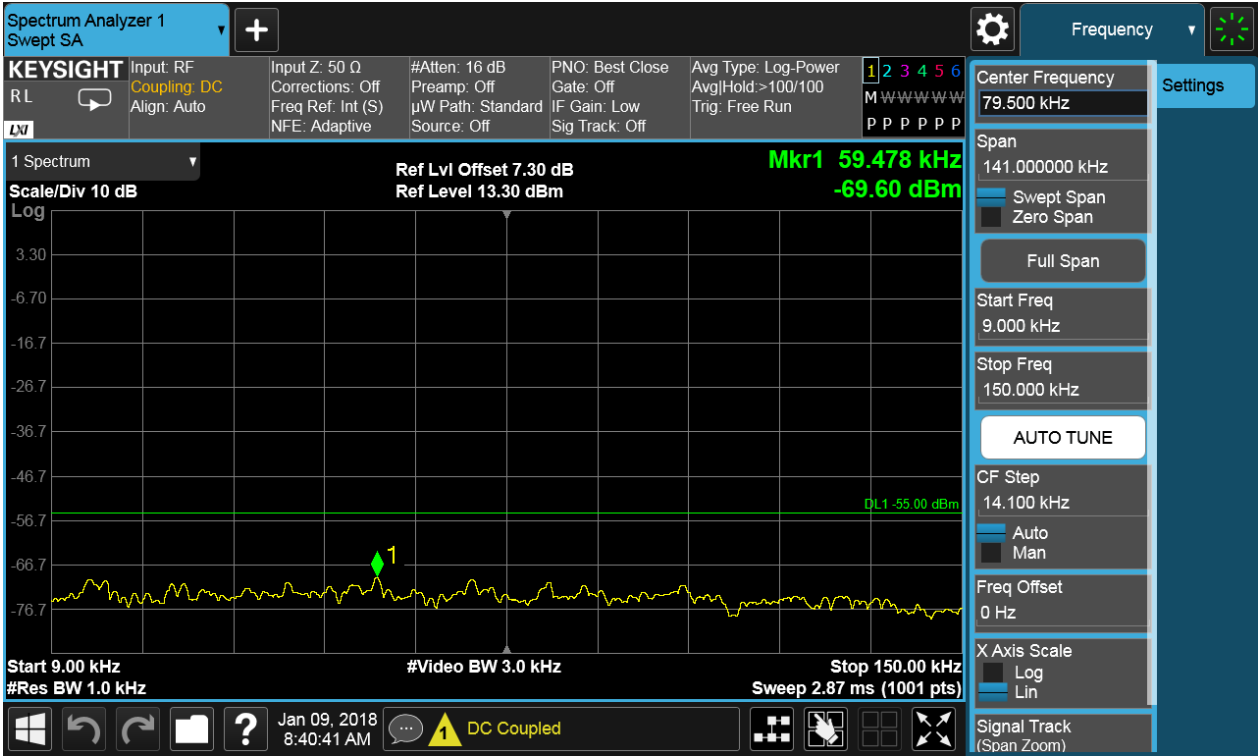


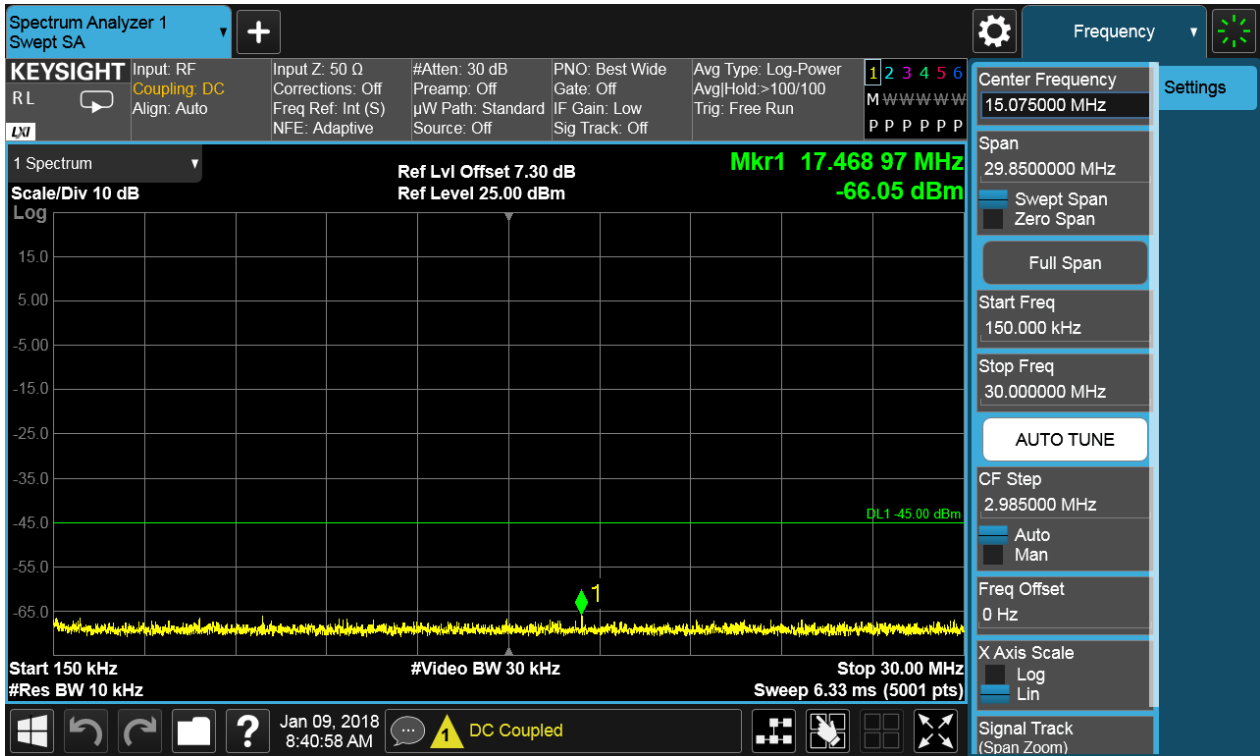


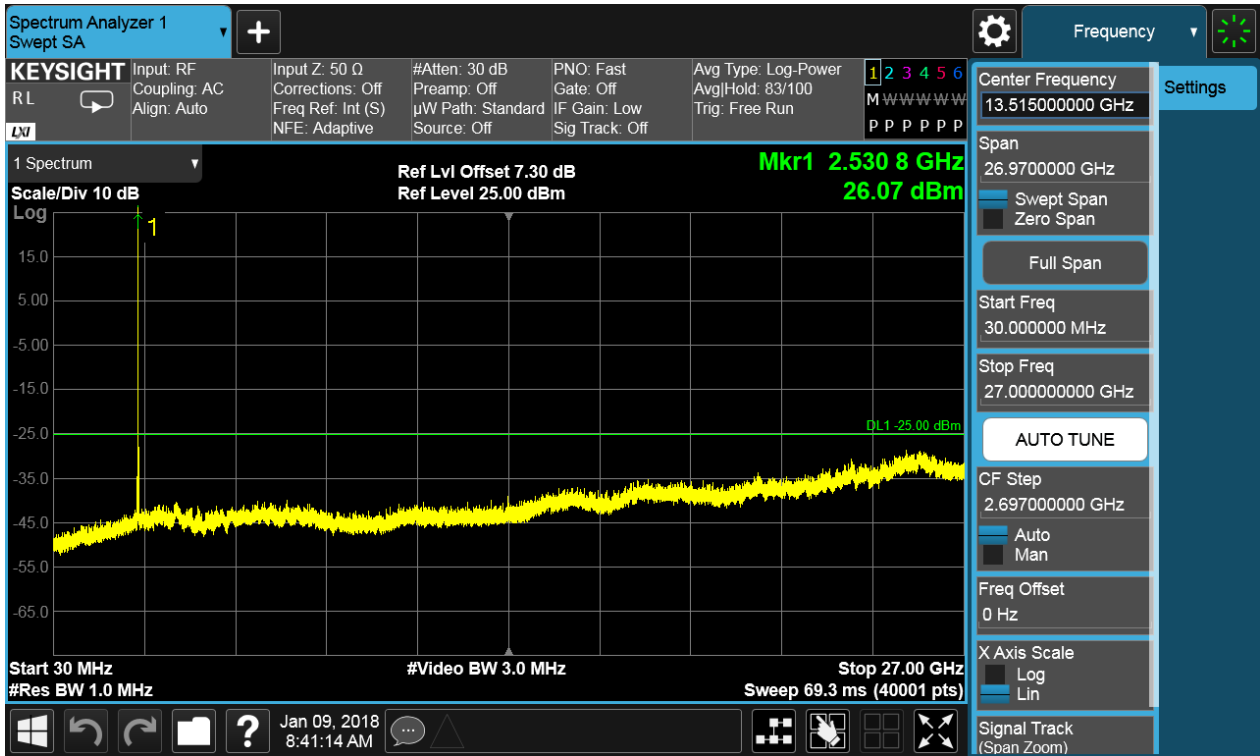


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

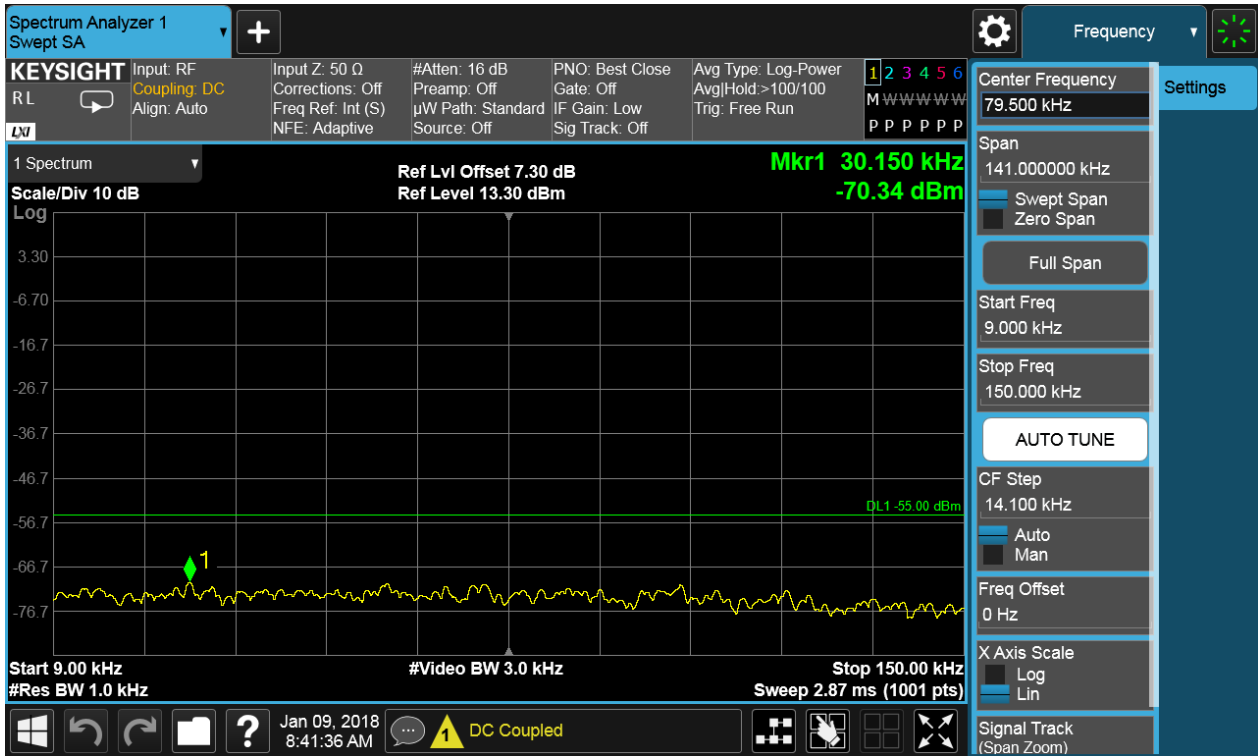


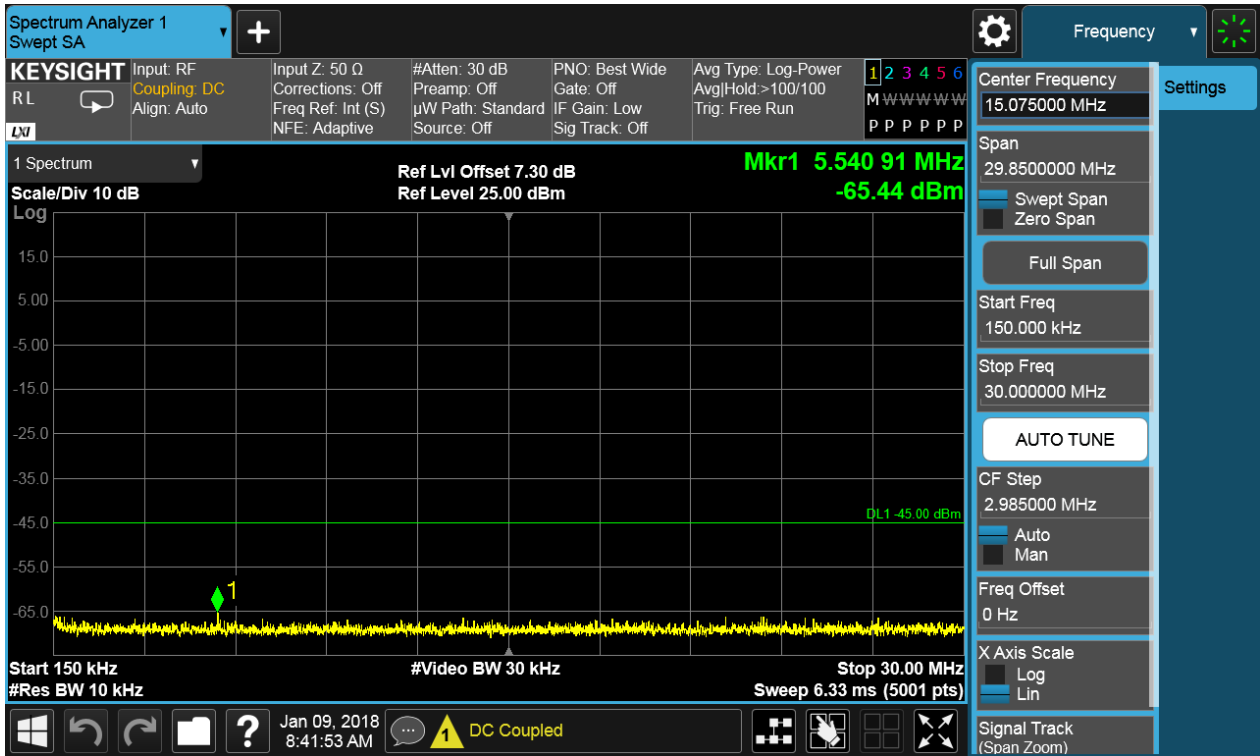


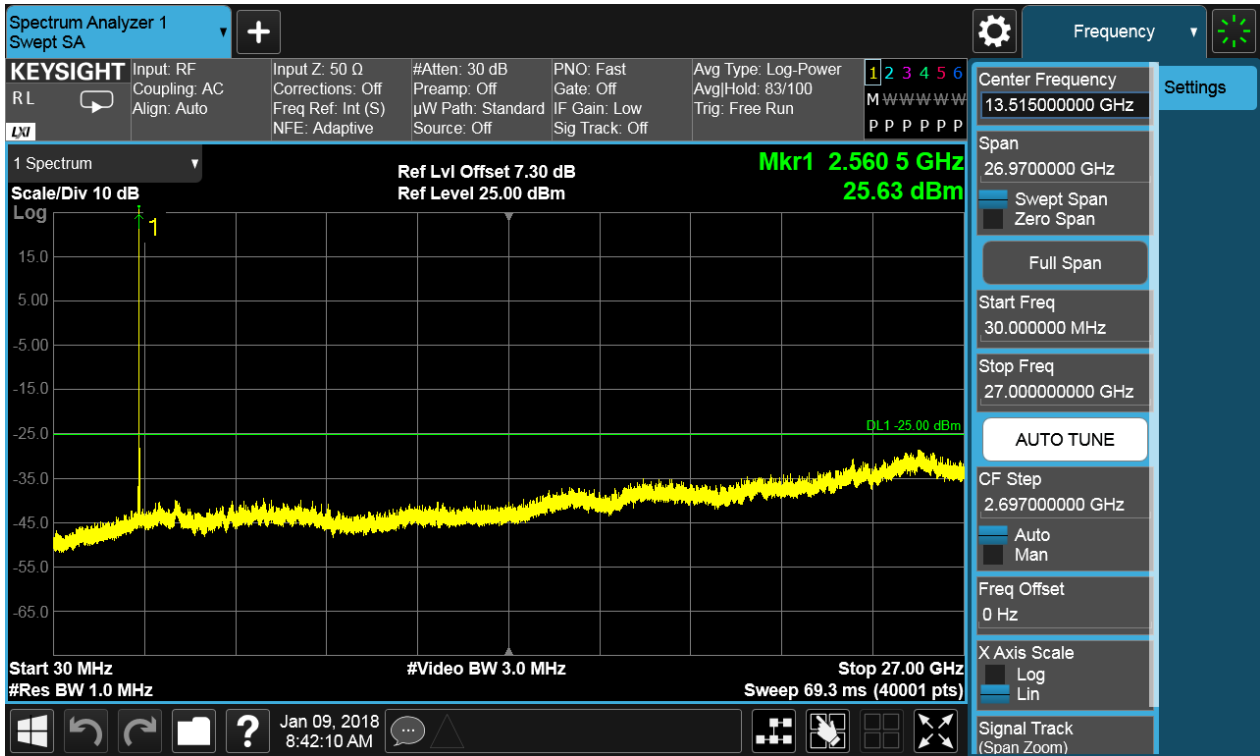


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



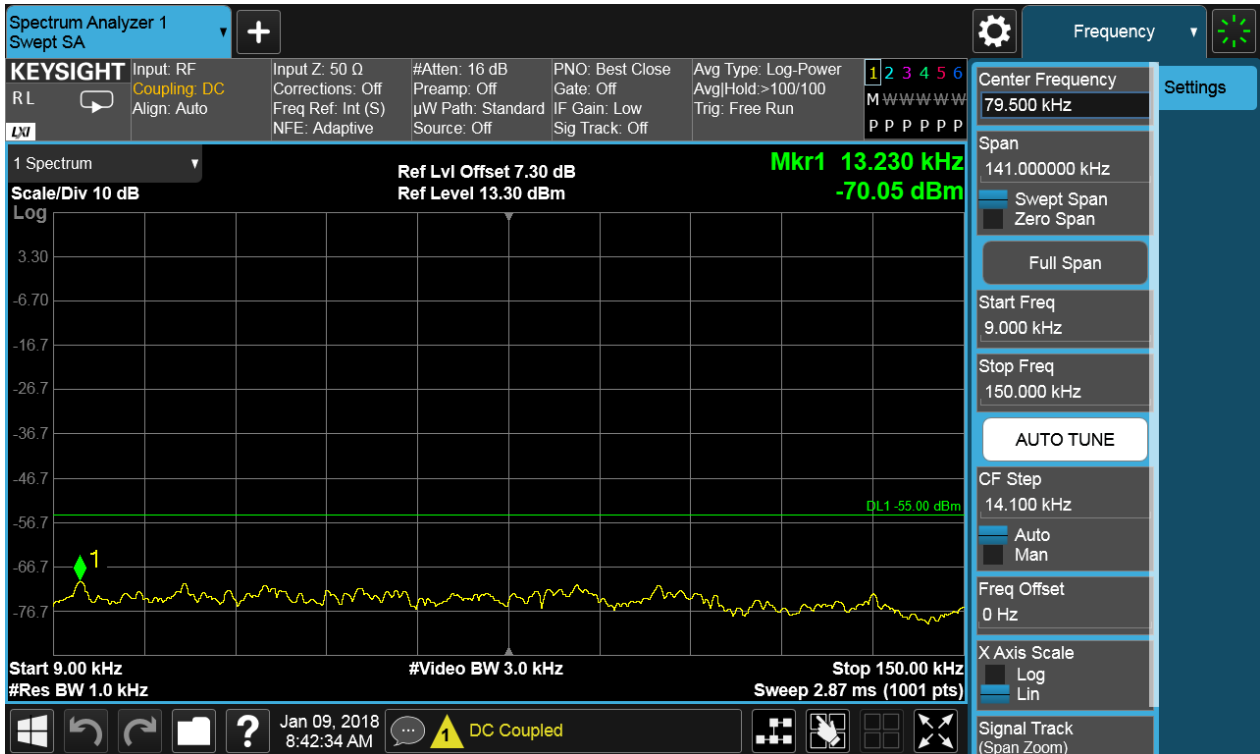


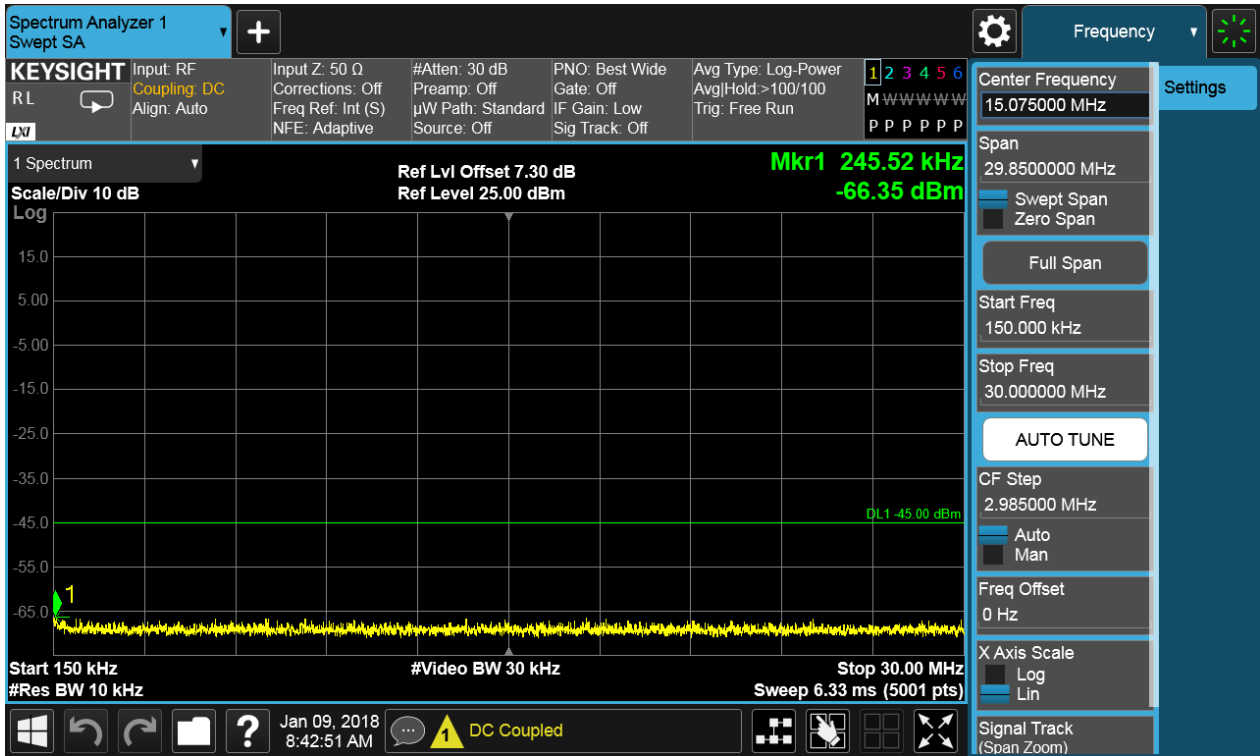


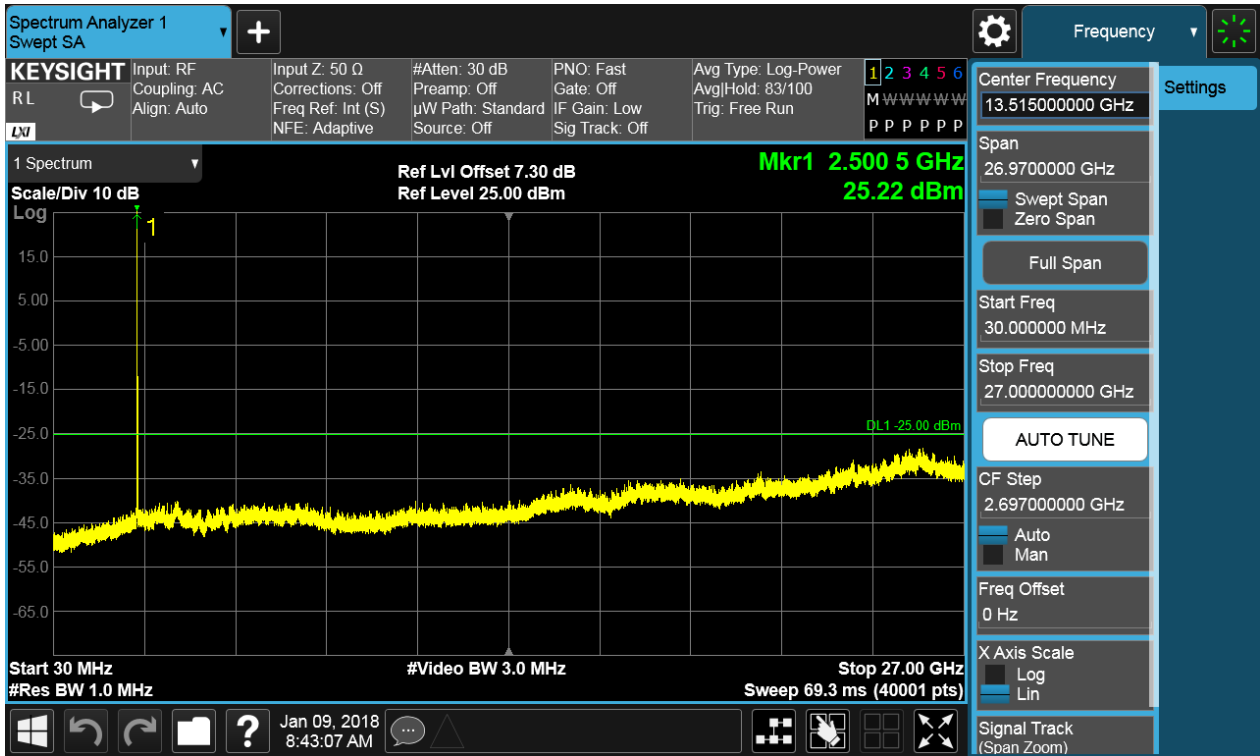
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

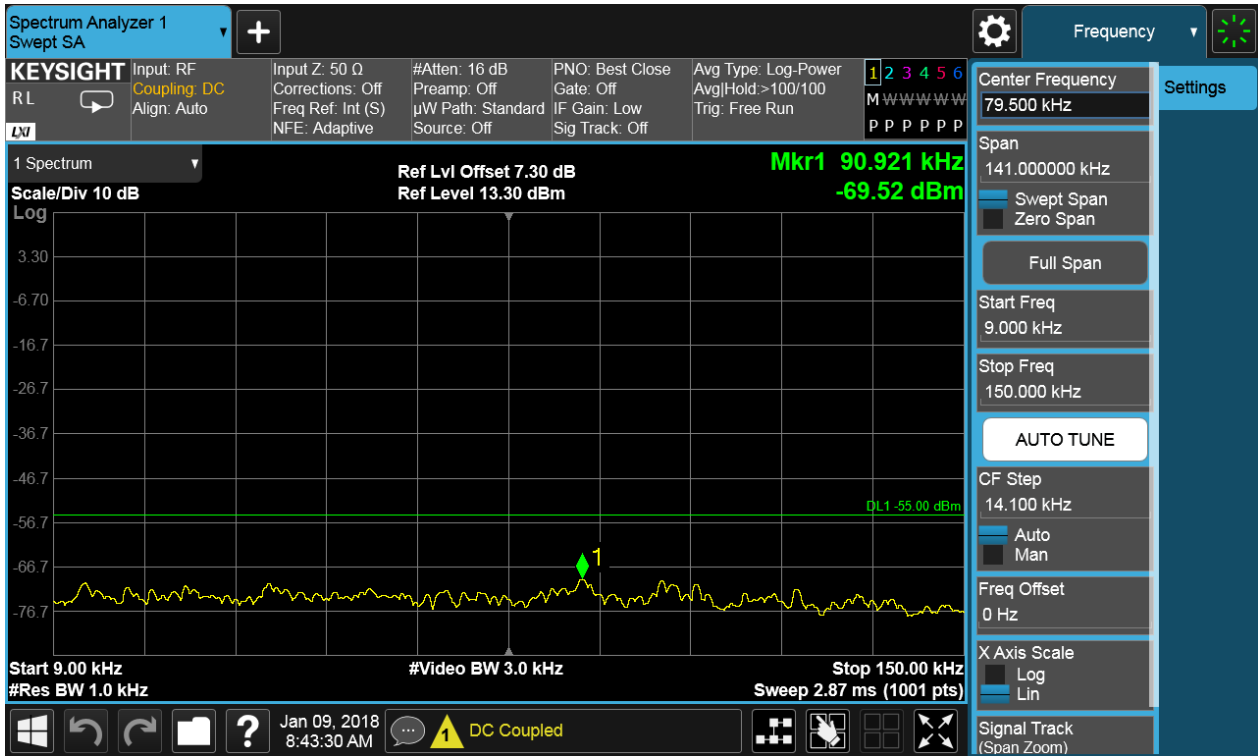


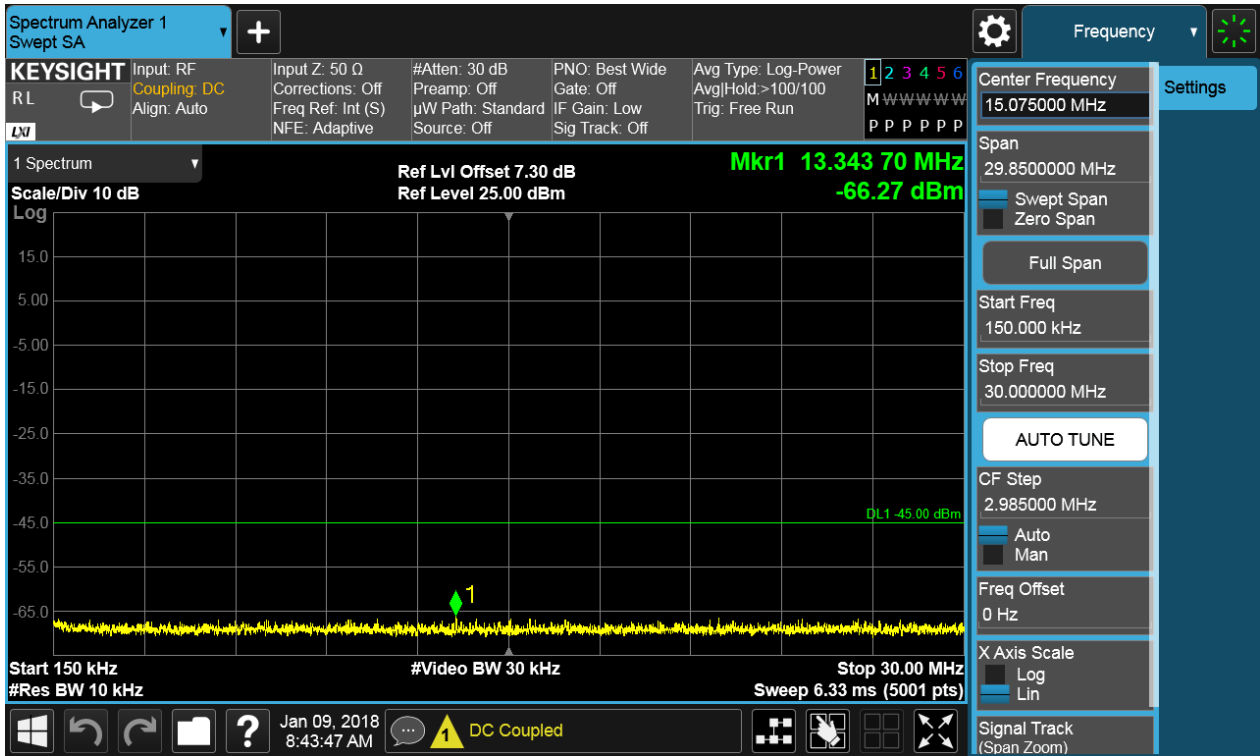


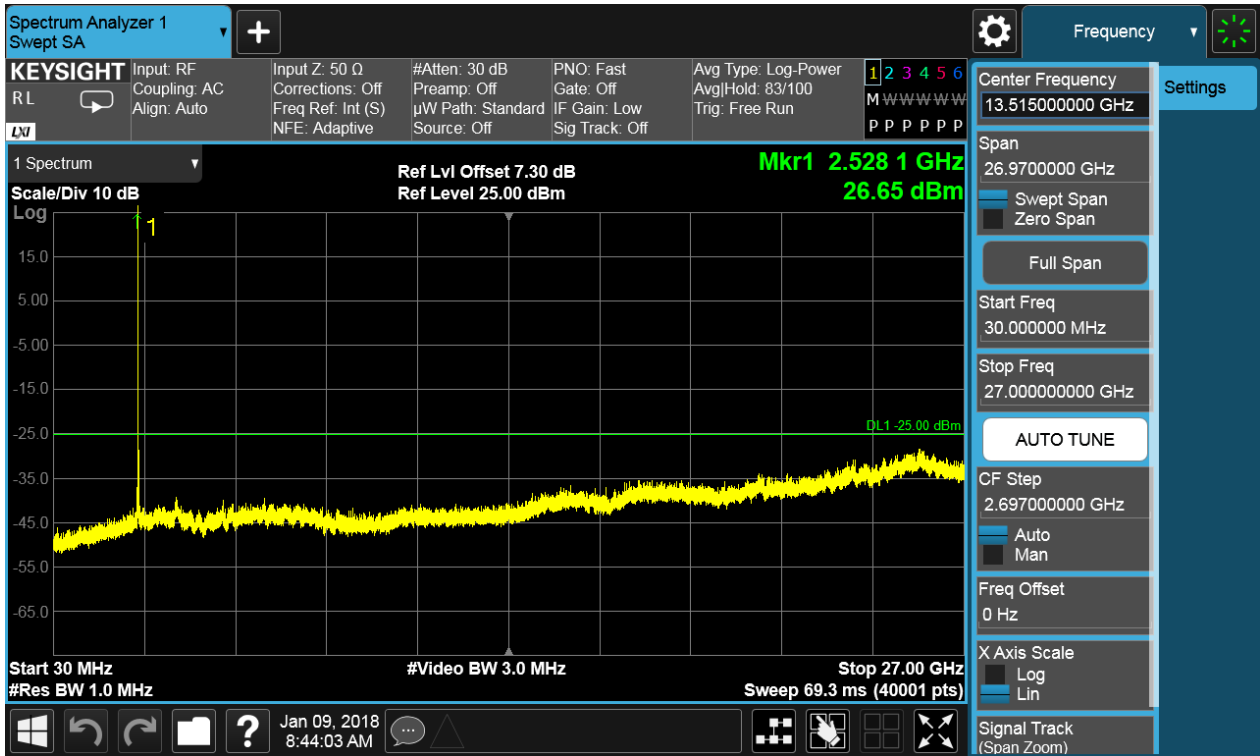


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

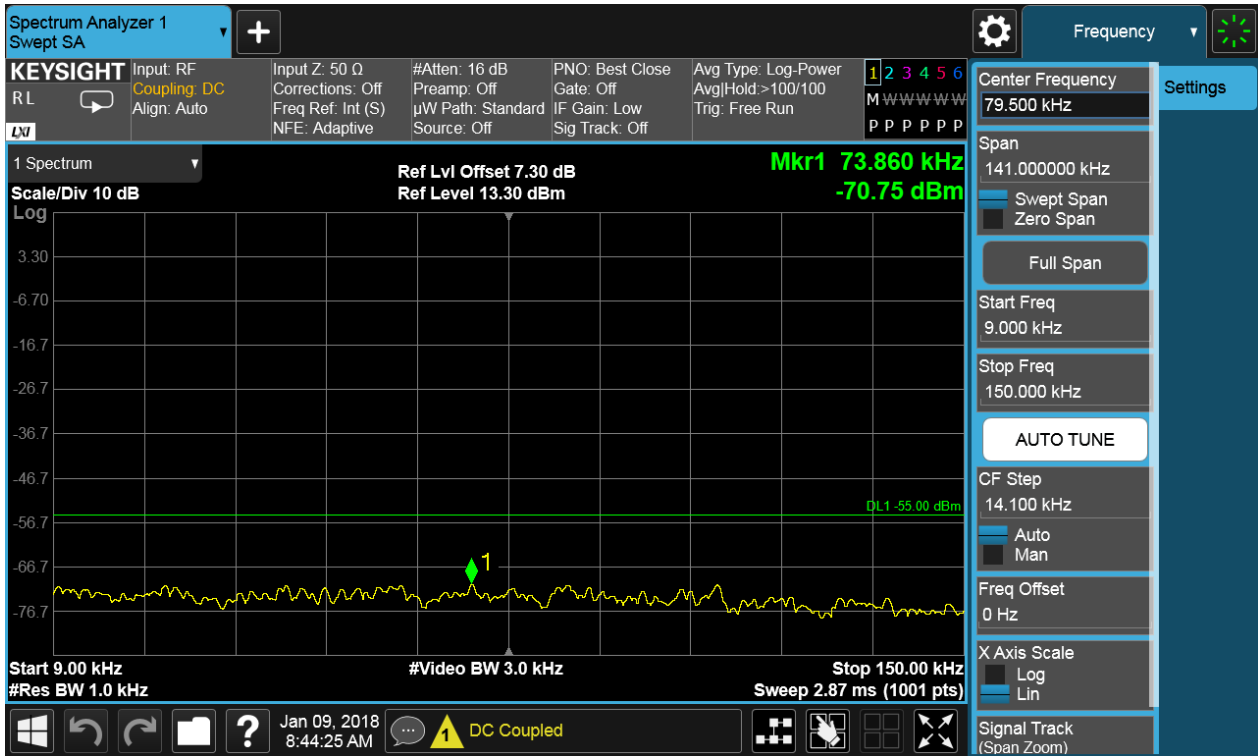


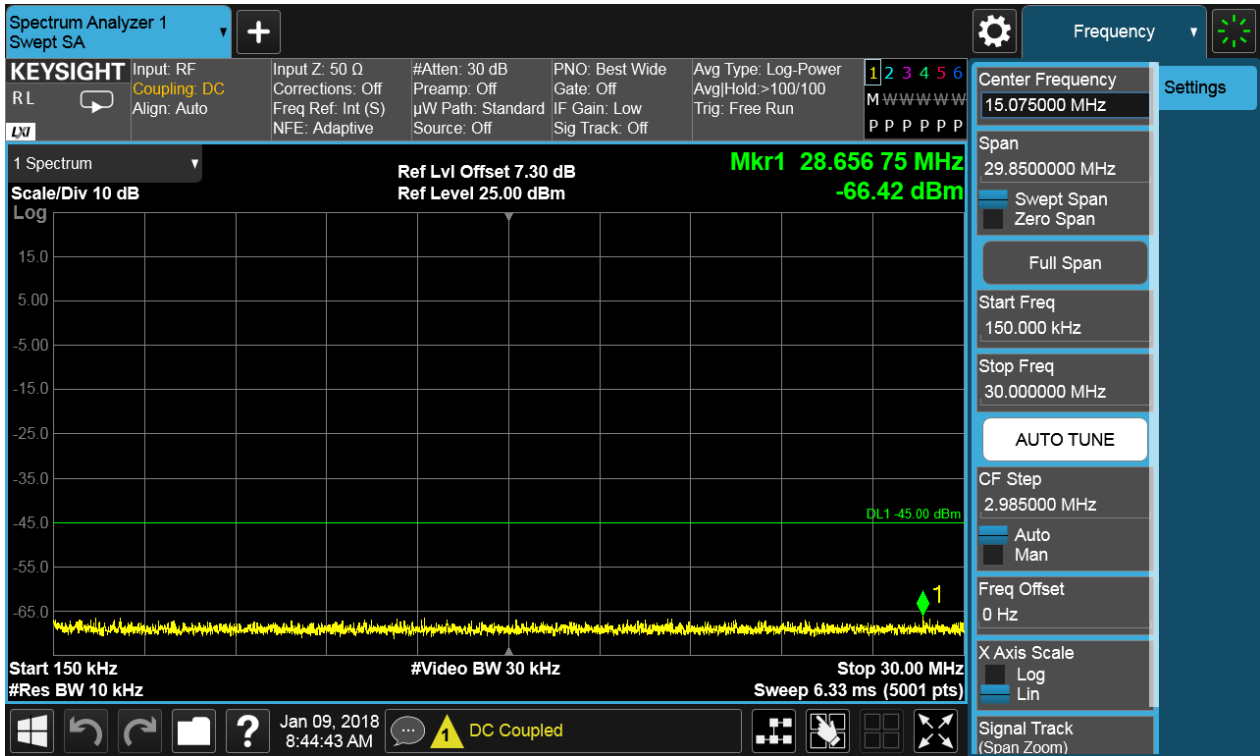


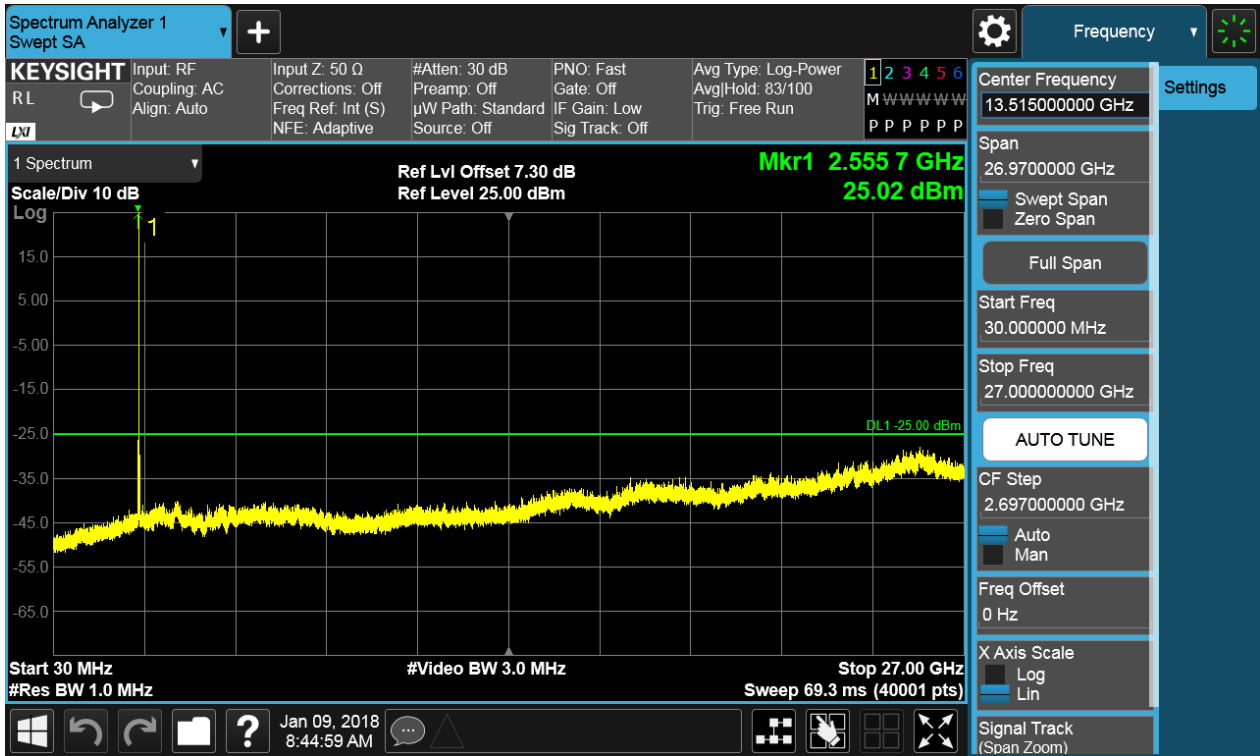


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





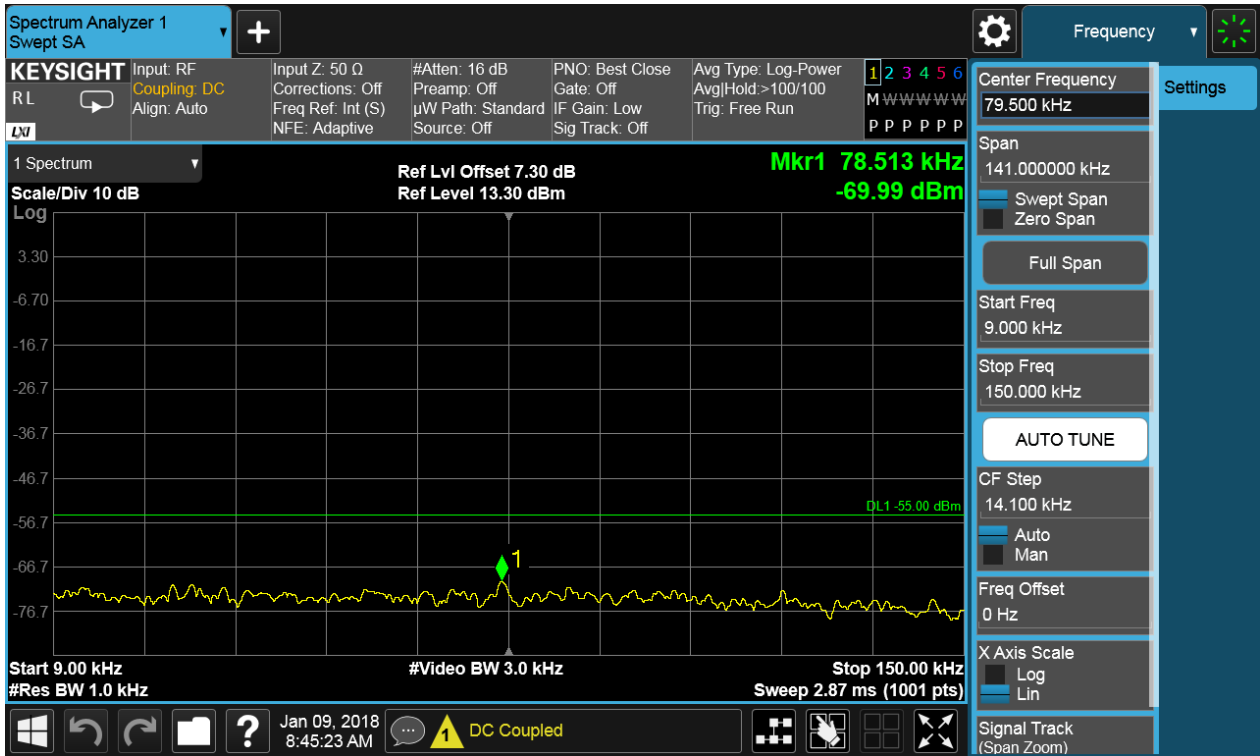


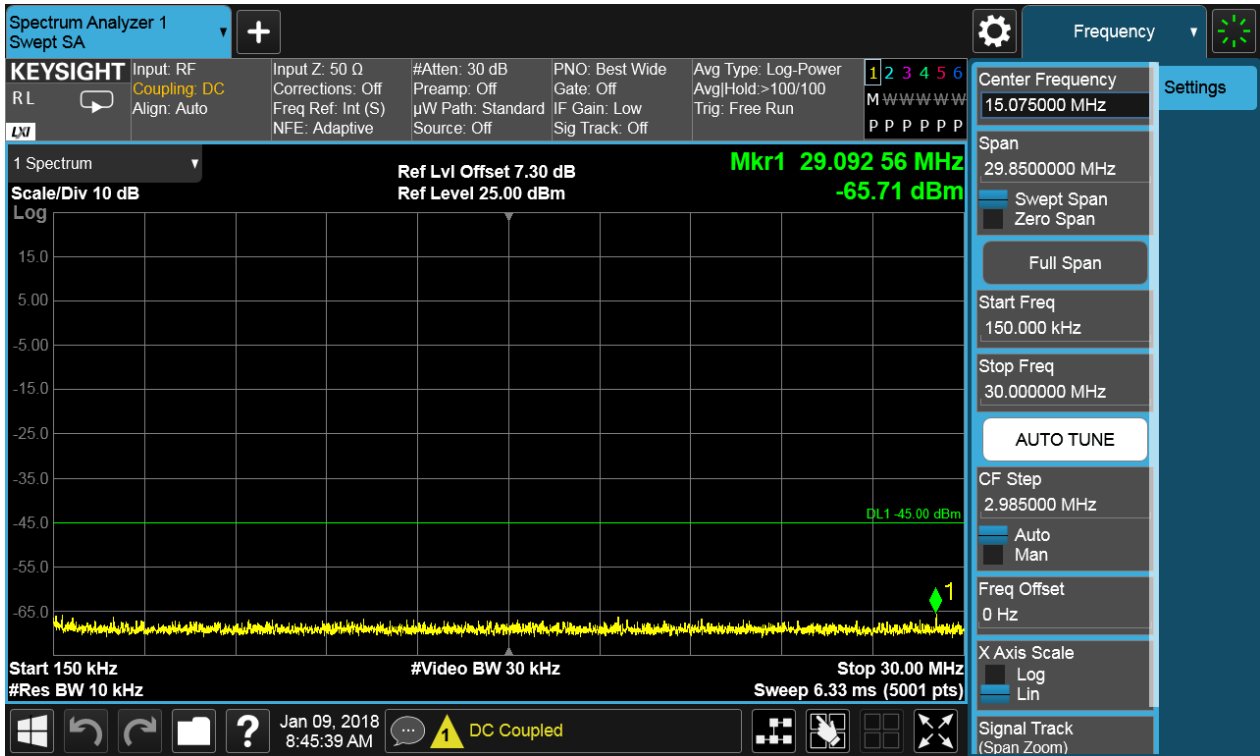


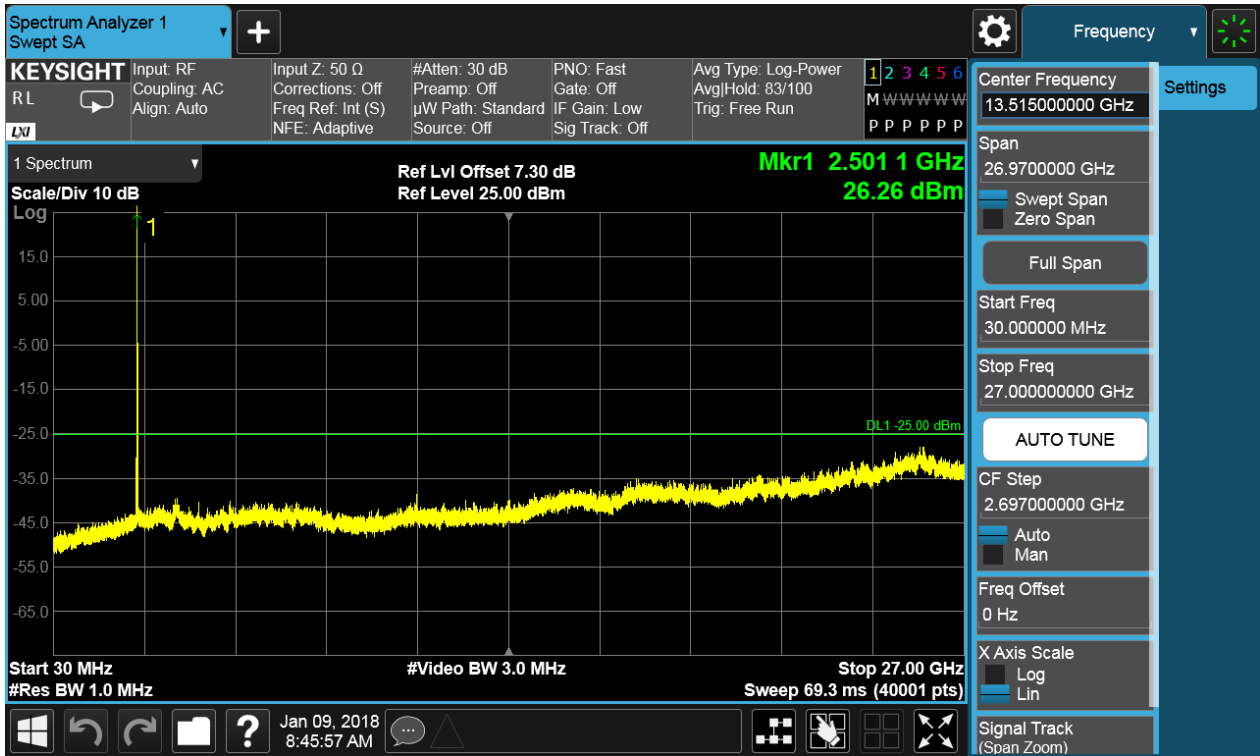
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

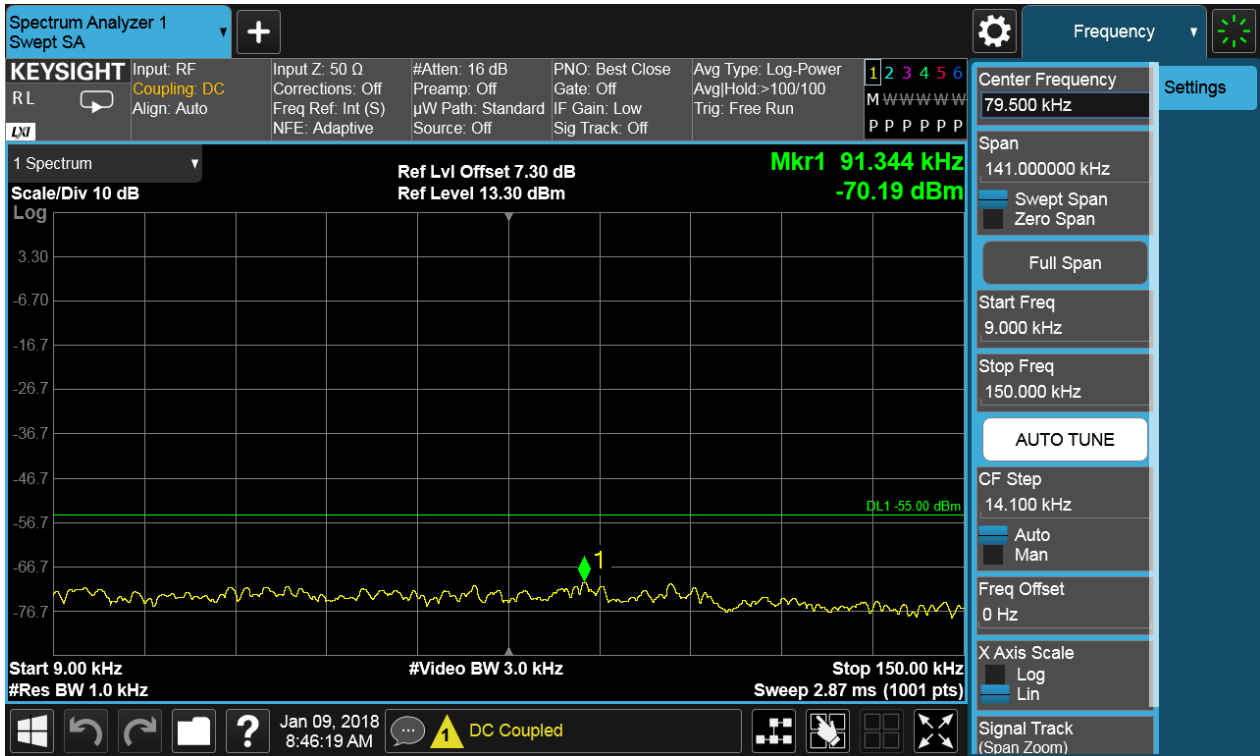


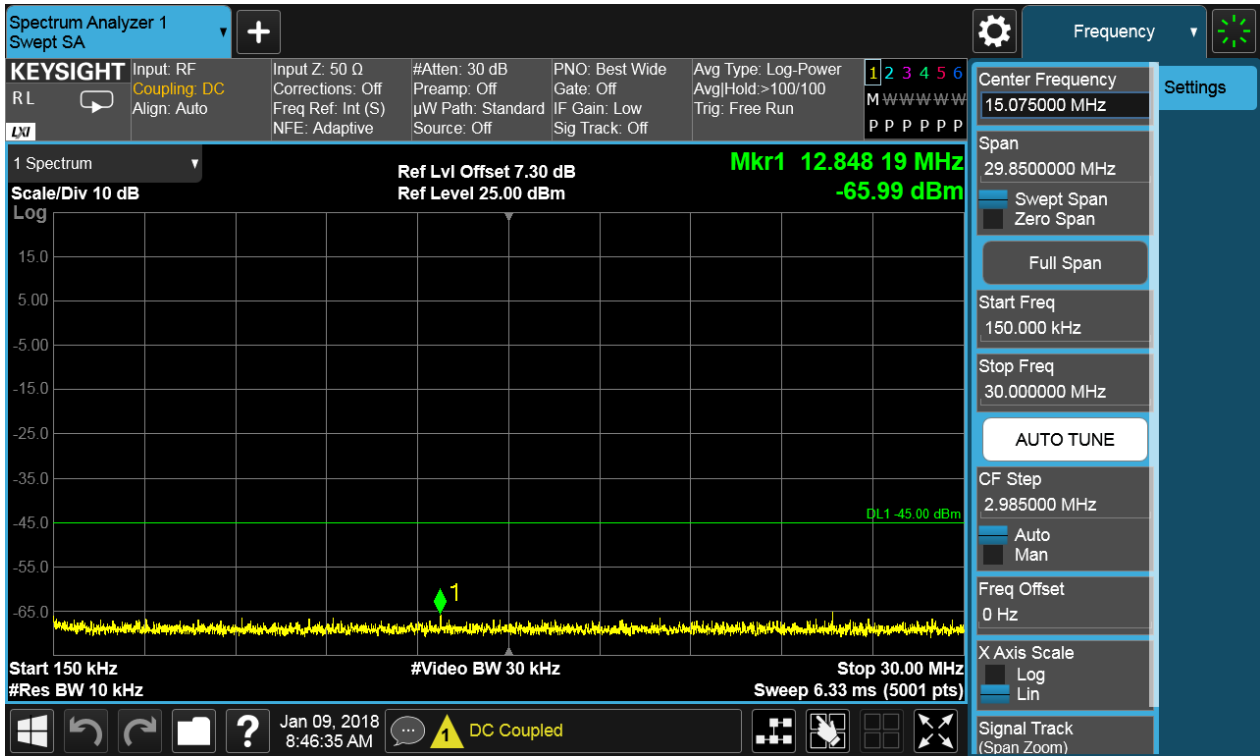


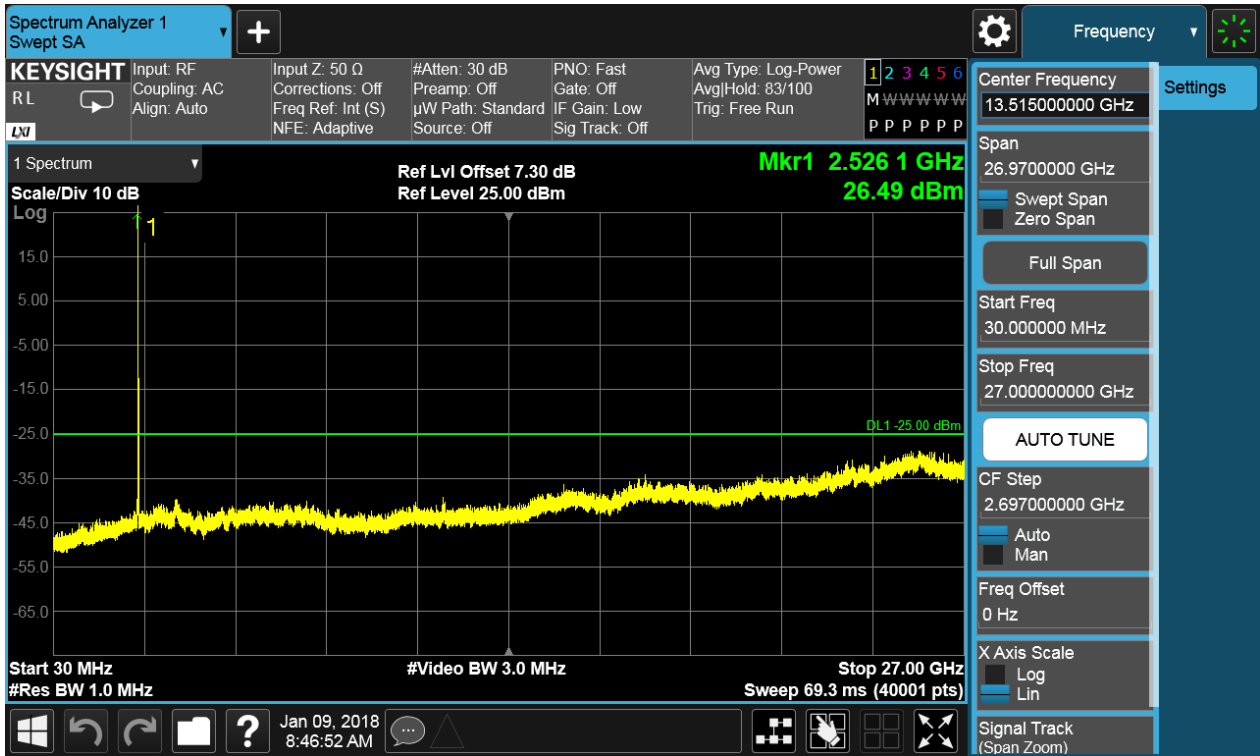


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

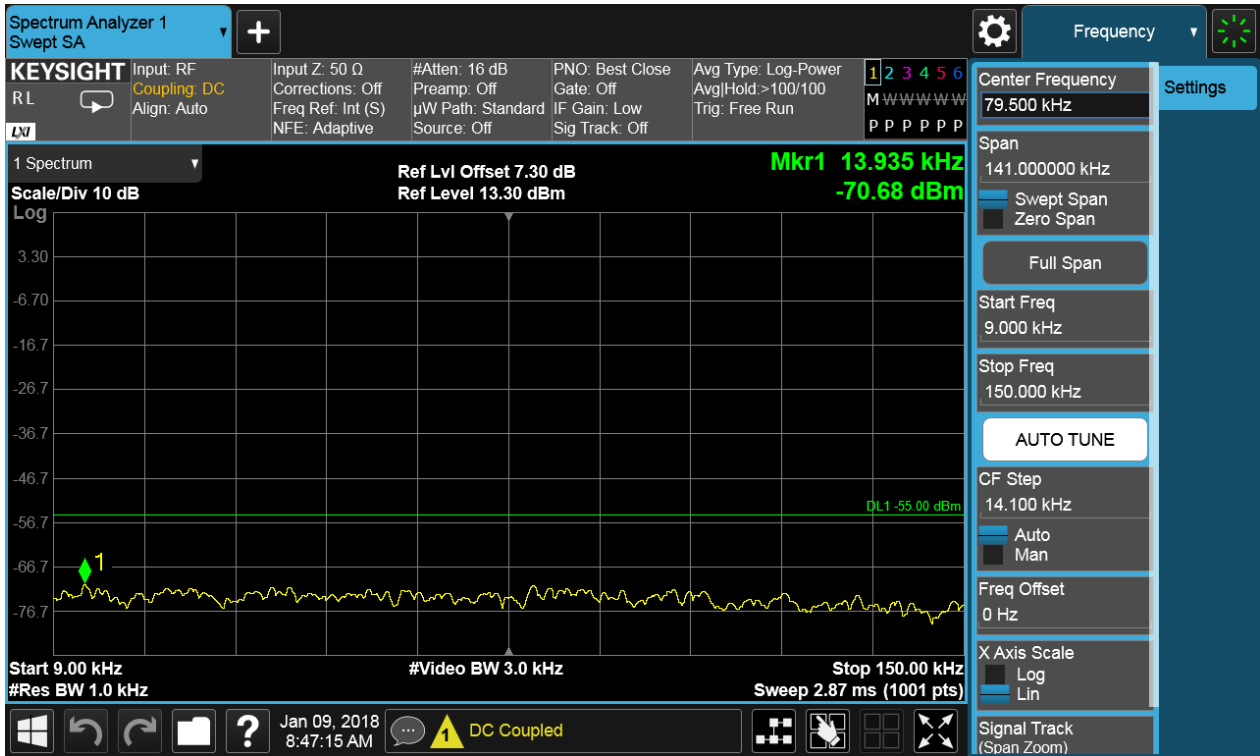


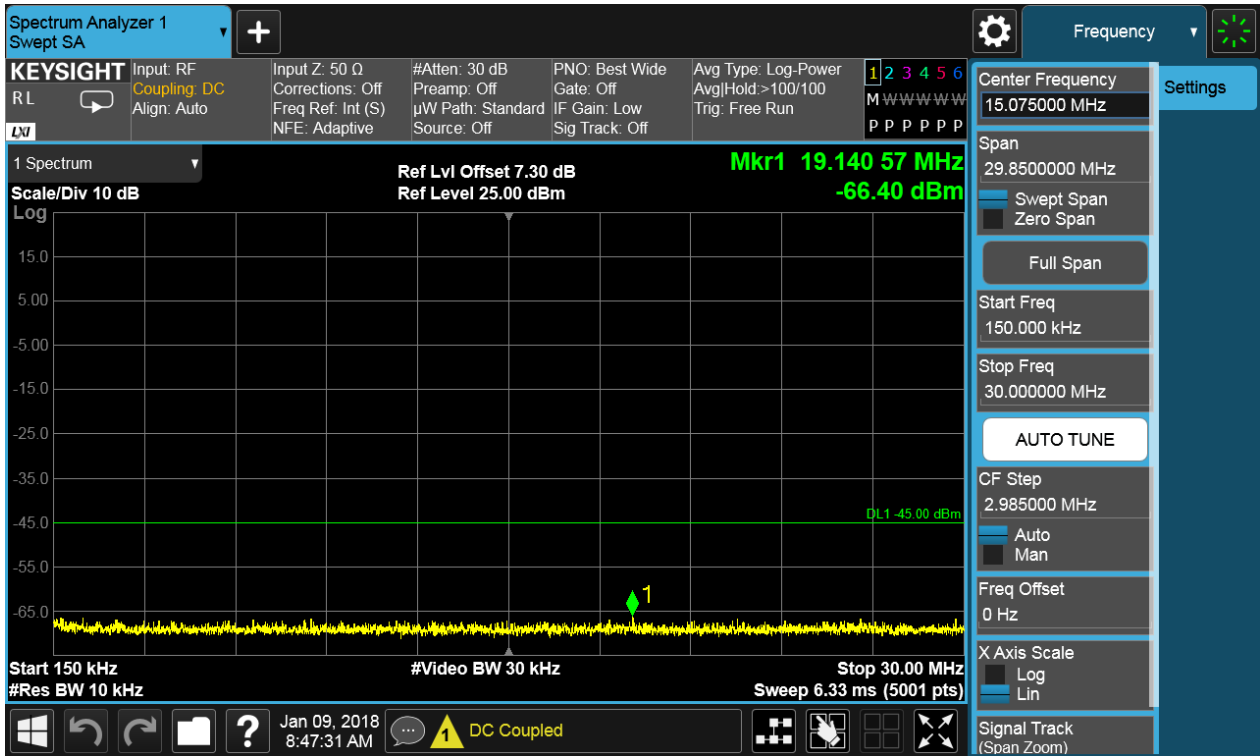


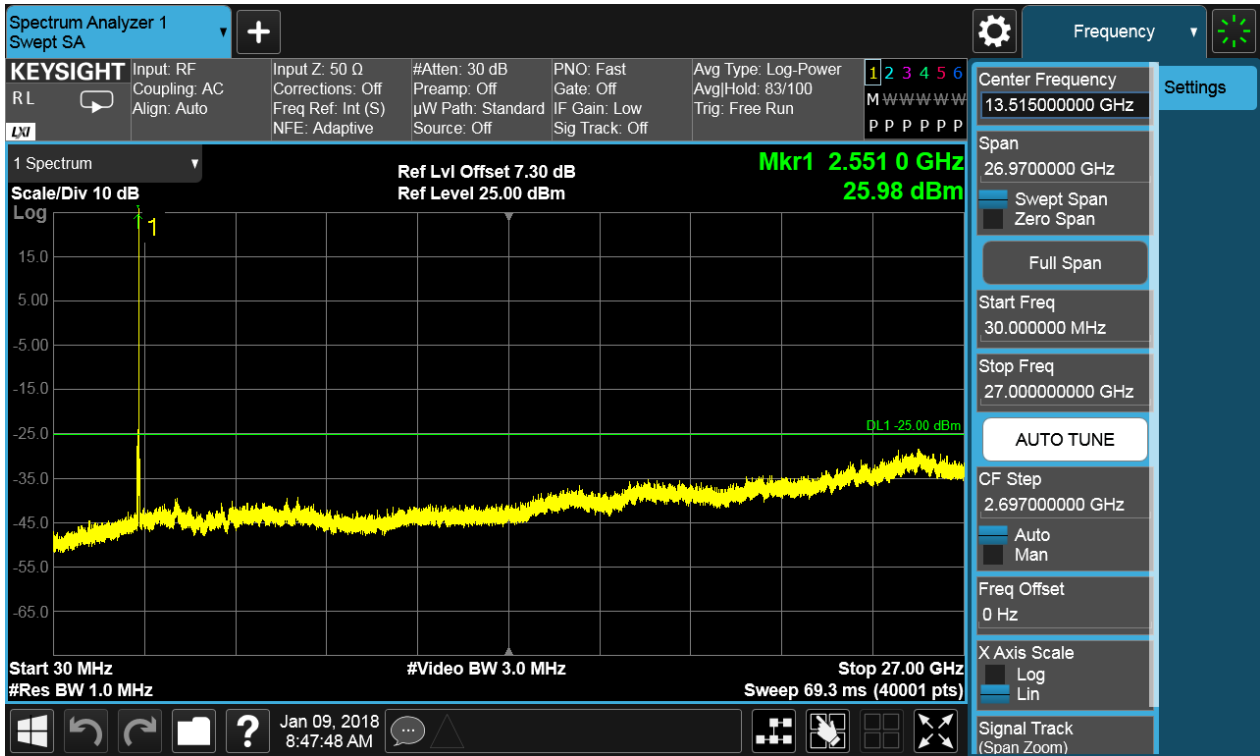


6.1.1.2.4.3 Test Channel = HCH

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

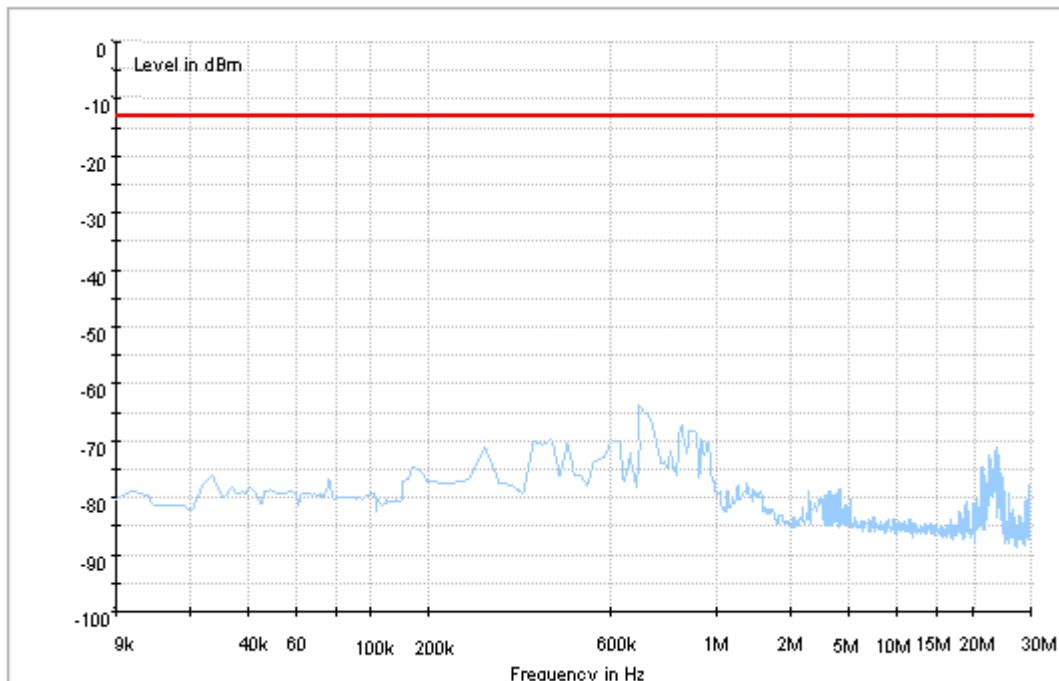
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

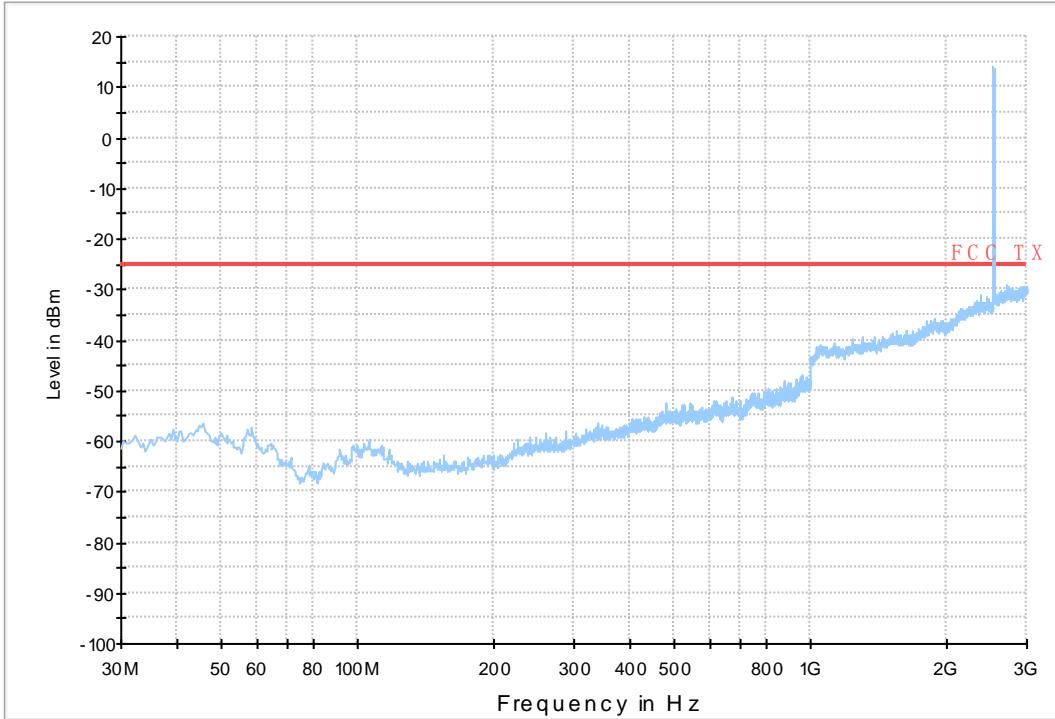
7.1 For LTE

7.1.1 Test Band = BAND7_ANT1

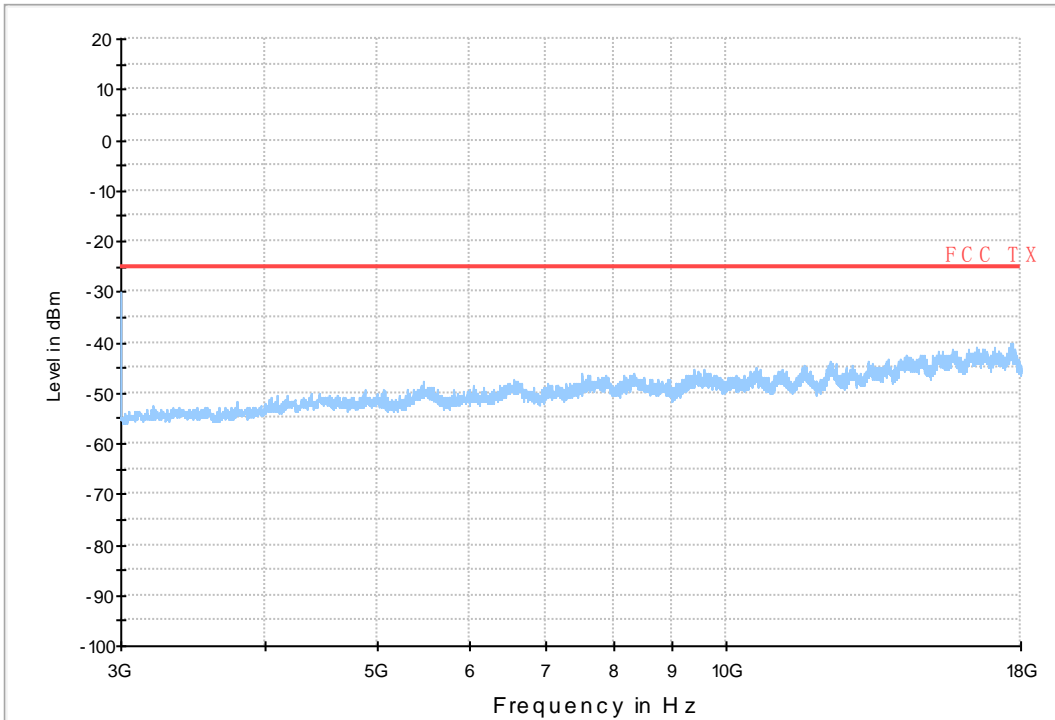
7.1.1.1 Test Bandwidth = 5

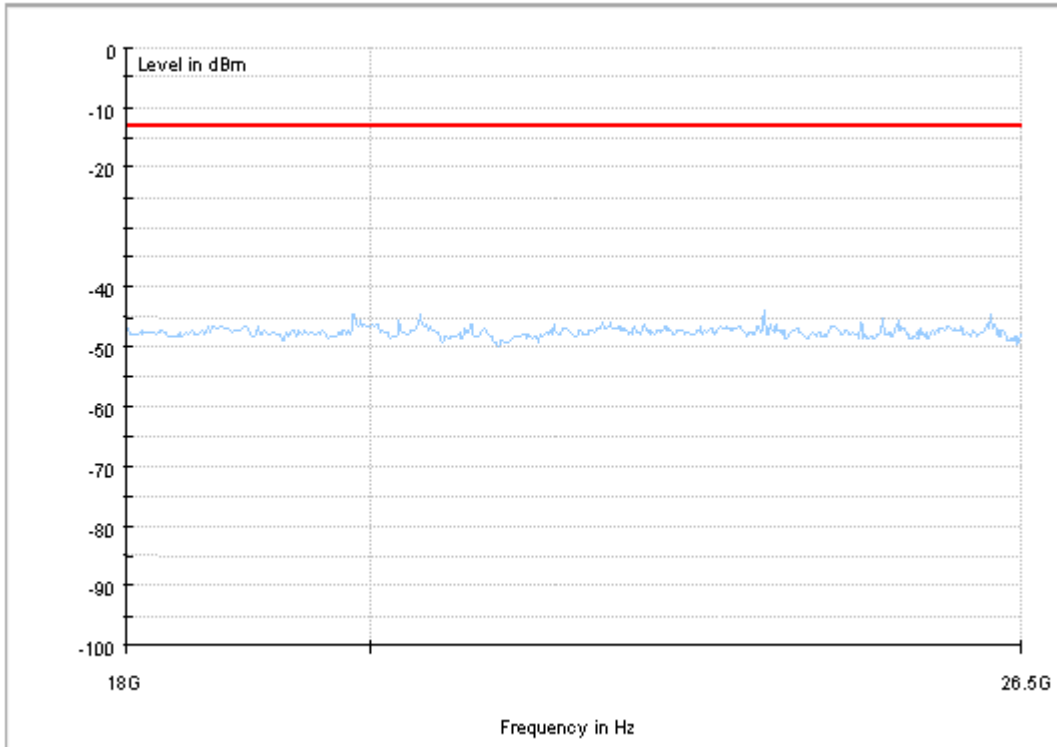


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

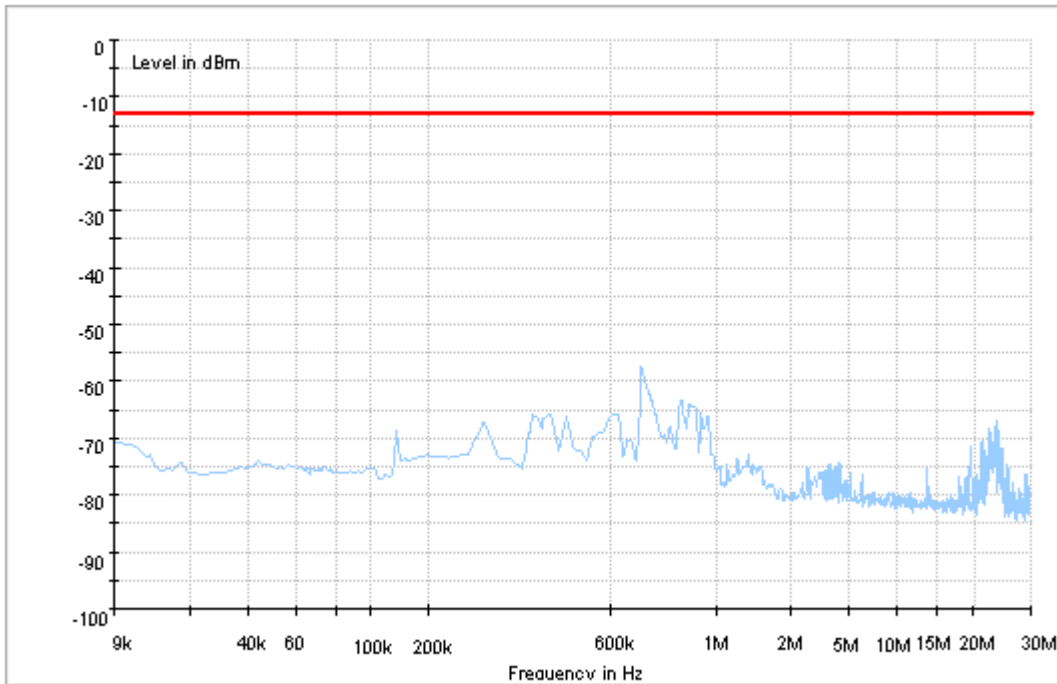


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

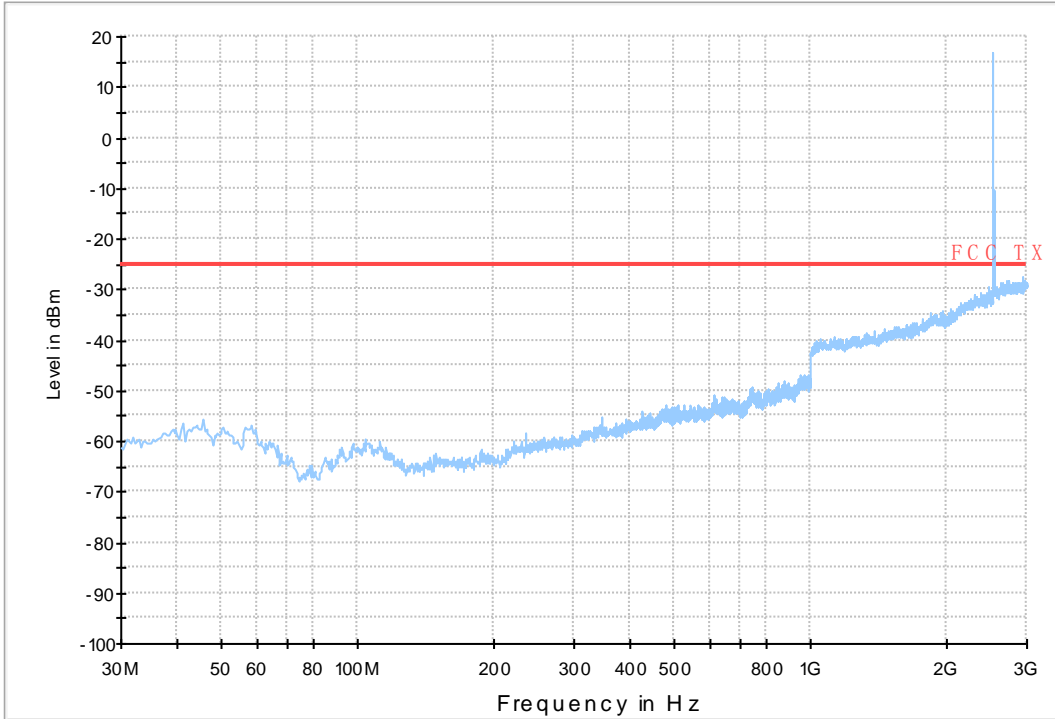




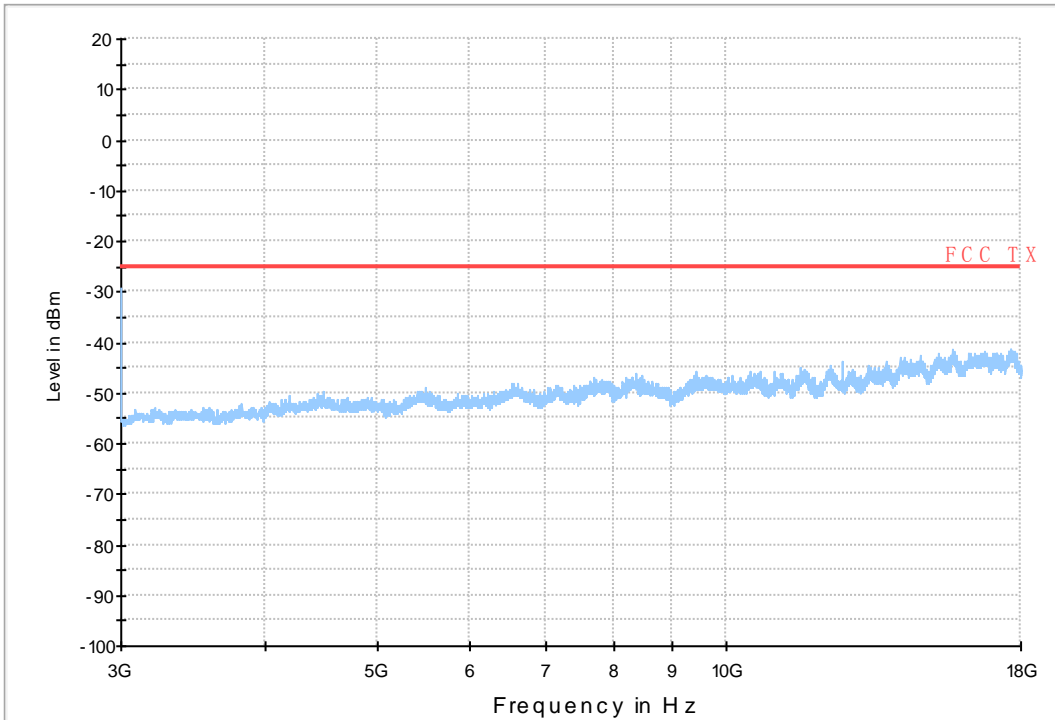
7.1.1.2 Test Bandwidth = 20

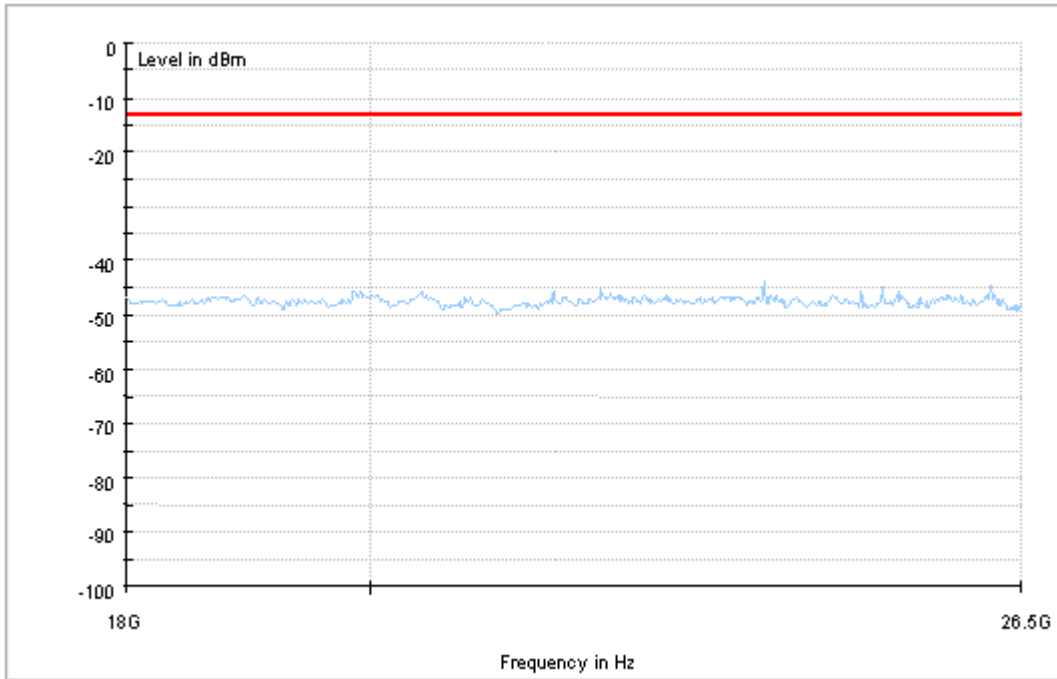


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



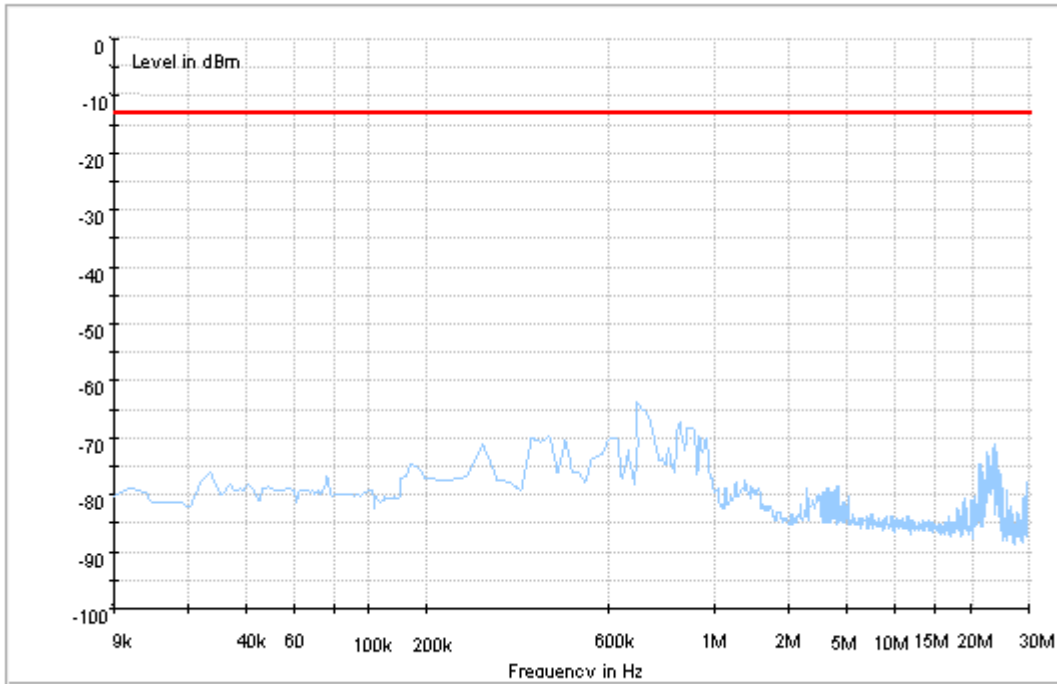
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



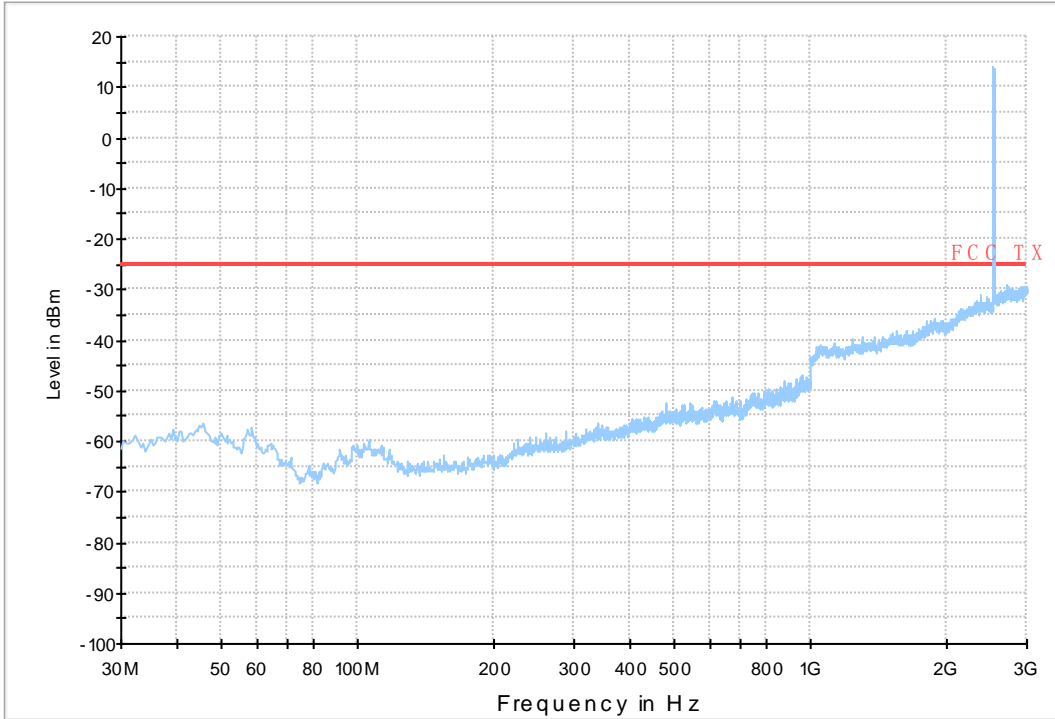


7.1.2 Test Band = BAND7_ANT2

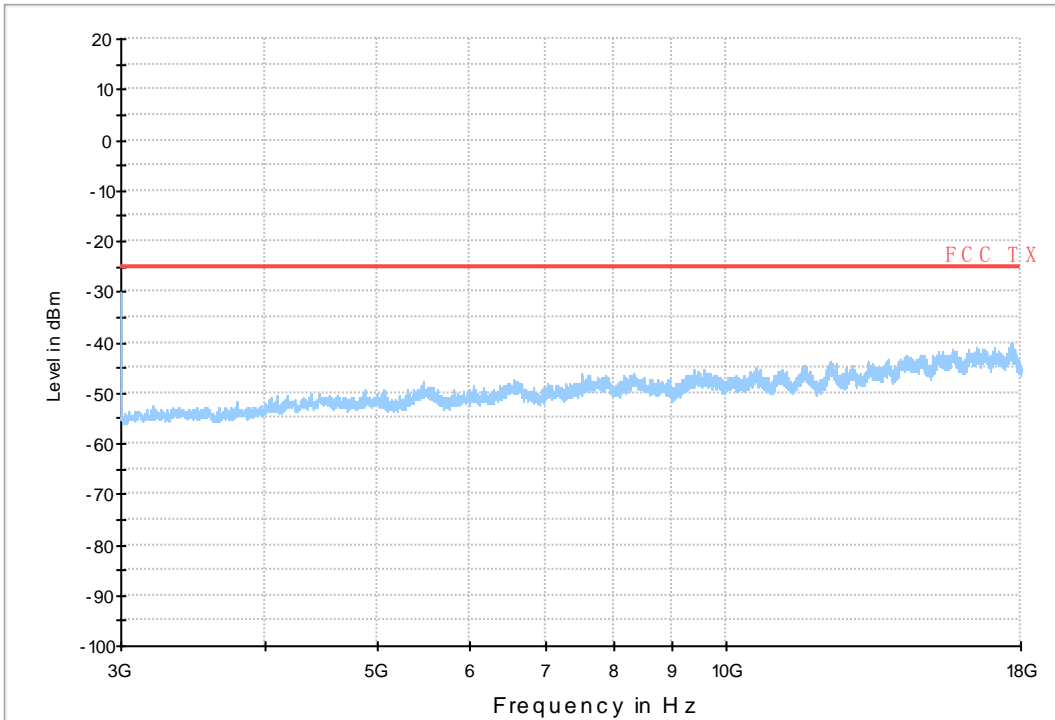
7.1.2.1 Test Bandwidth = 5

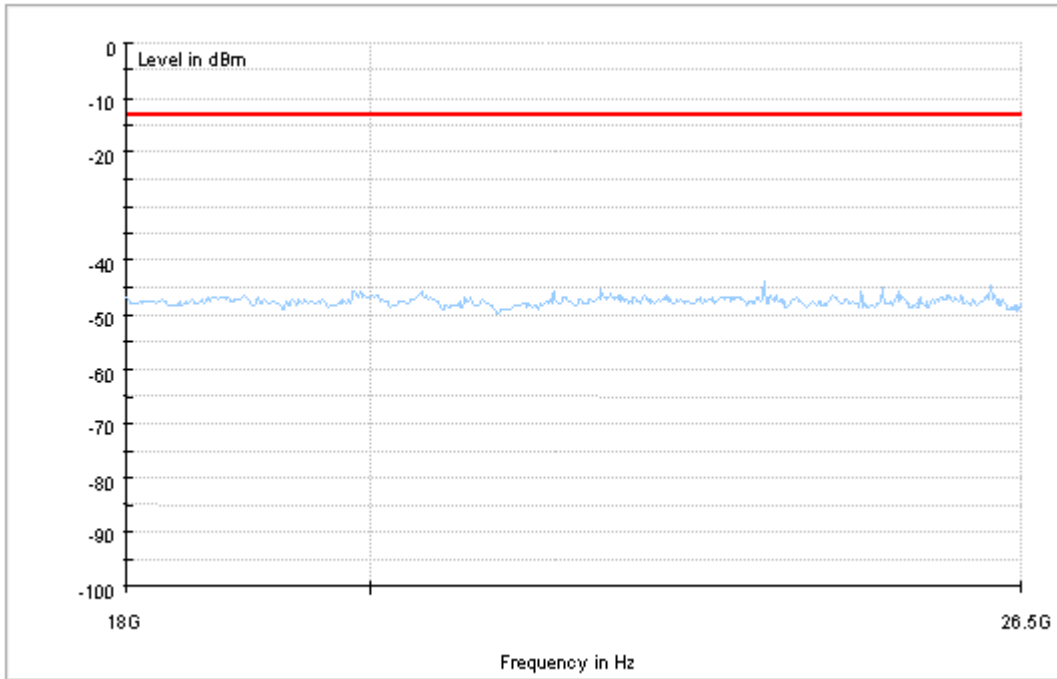


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

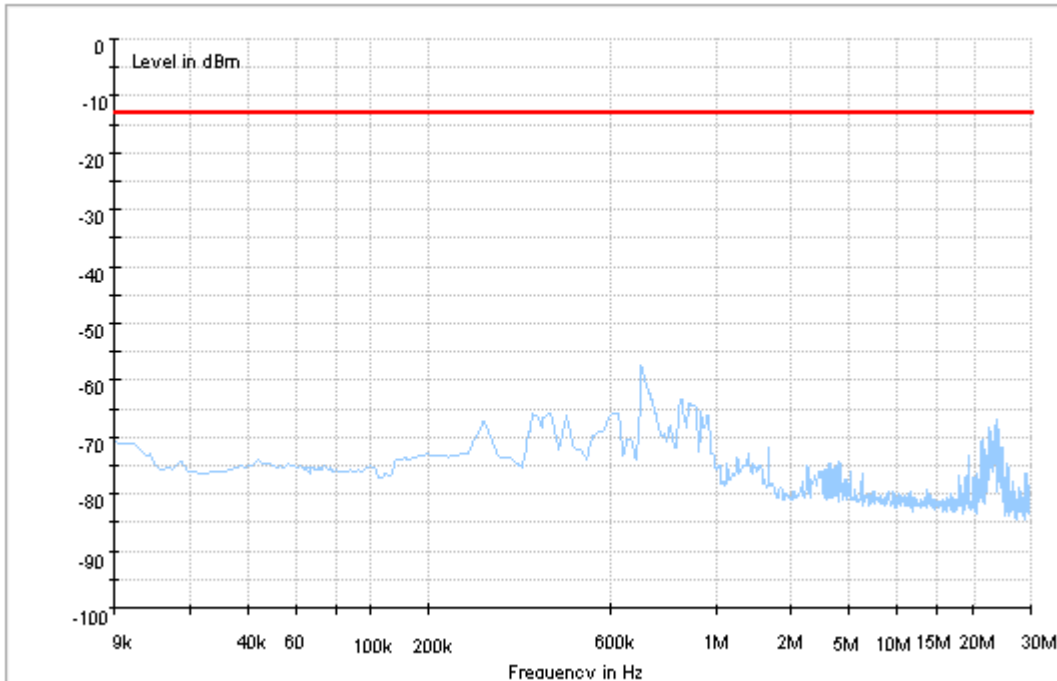


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

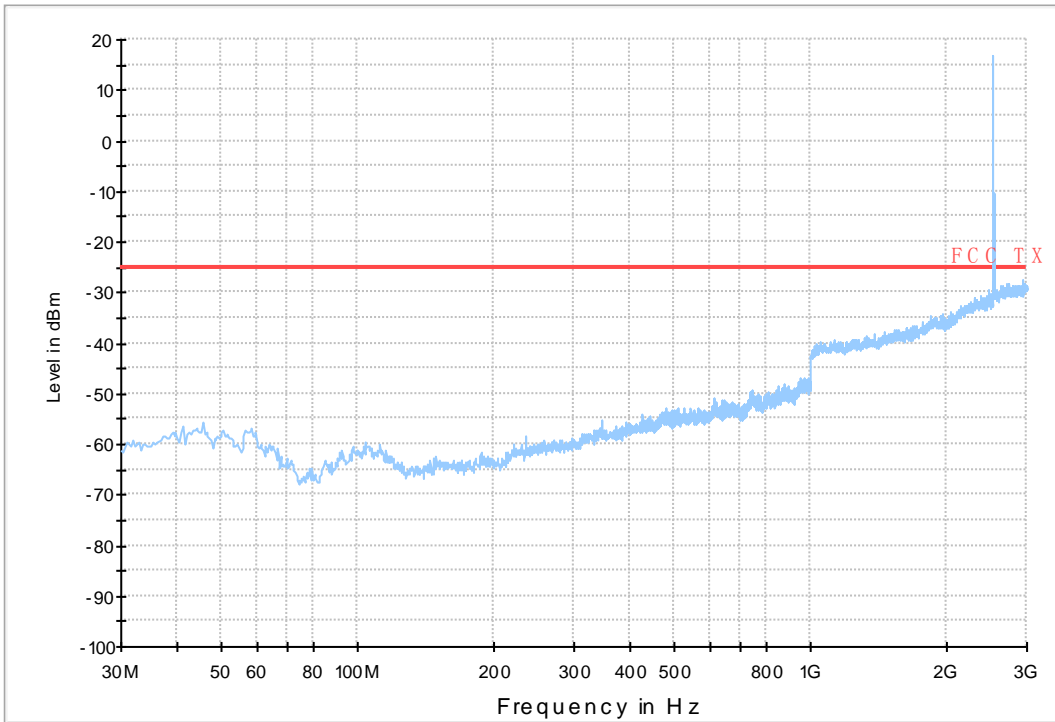




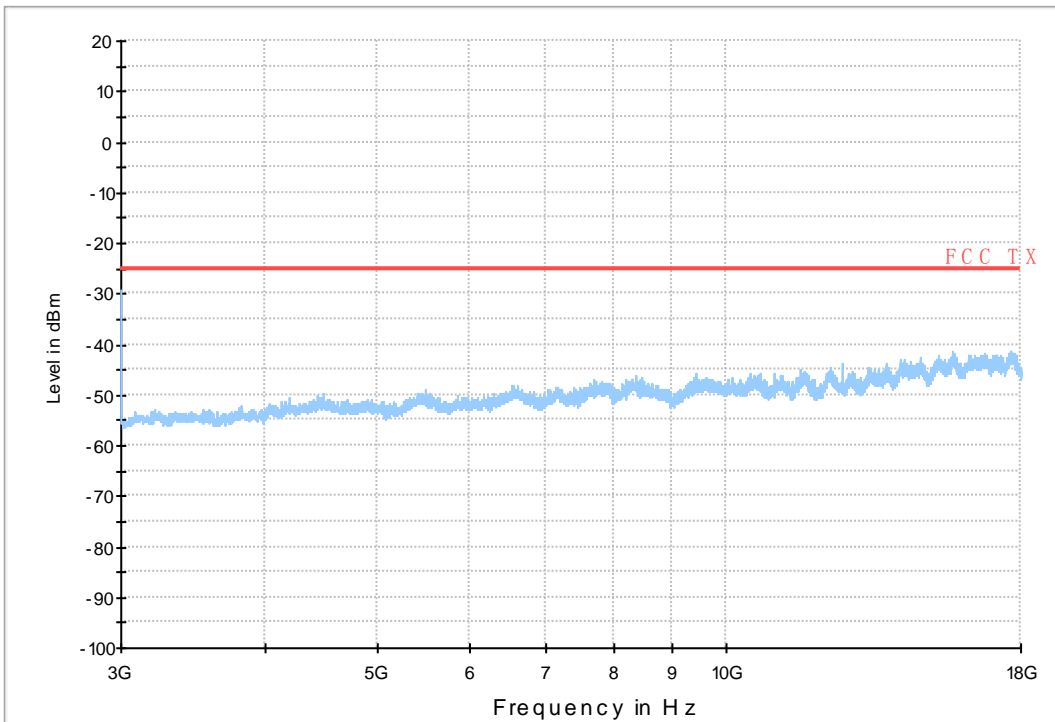
7.1.2.2 Test Bandwidth = 20

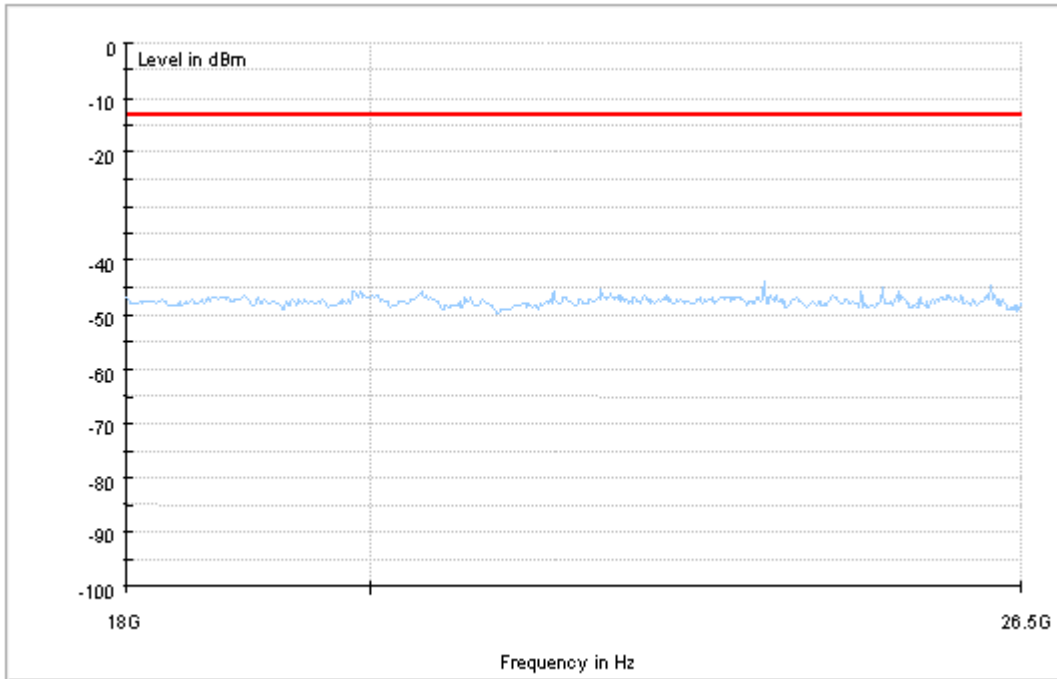


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_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
BAND7	LTE/TM1	5	LCH	TN	VL	-1.43	-0.00057	PASS
					VN	-5.98	-0.00239	PASS
					VH	-10.40	-0.00416	PASS
			MCH	TN	VL	1.06	0.00042	PASS
					VN	2.60	0.00103	PASS
					VH	2.57	0.00101	PASS
			HCH	TN	VL	-1.04	-0.00041	PASS
					VN	1.96	0.00076	PASS
					VH	1.65	0.00064	PASS
		10	LCH	TN	VL	-0.53	-0.00021	PASS
					VN	-22.32	-0.00891	PASS
					VH	-3.55	-0.00142	PASS
			MCH	TN	VL	0.30	0.00012	PASS
					VN	2.50	0.00099	PASS
					VH	2.20	0.00087	PASS
			HCH	TN	VL	2.50	0.00097	PASS
					VN	0.19	0.00007	PASS
					VH	0.70	0.00027	PASS
		15	LCH	TN	VL	-1.89	-0.00075	PASS
					VN	-2.78	-0.00111	PASS
					VH	-4.61	-0.00184	PASS
			MCH	TN	VL	1.32	0.00052	PASS
					VN	2.16	0.00085	PASS
					VH	3.39	0.00134	PASS
HCH	TN		VL	0.54	0.00021	PASS		
			VN	-0.51	-0.0002	PASS		
			VH	0.57	0.00022	PASS		
20	LCH	TN	VL	0.34	0.00014	PASS		
			VN	-3.88	-0.00155	PASS		
			VH	-6.38	-0.00254	PASS		
		MCH	TN	VL	0.26	0.0001	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	3.69	0.00146	PASS
					VH	2.02	0.0008	PASS
					VL	1.80	0.0007	PASS
			HCH	TN	VN	0.84	0.00033	PASS
					VH	-0.64	-0.00025	PASS
					VL	2.66	0.00106	PASS
		5	LCH	TN	VN	-1.80	-0.00072	PASS
					VH	2.06	0.00082	PASS
					VL	3.65	0.00144	PASS
			MCH	TN	VN	3.23	0.00127	PASS
					VH	4.79	0.00189	PASS
					VL	0.17	0.00007	PASS
	HCH		TN	VN	2.59	0.00101	PASS	
				VH	4.28	0.00167	PASS	
				VL	4.32	0.00172	PASS	
	10		LCH	TN	VN	0.59	0.00024	PASS
					VH	-2.46	-0.00098	PASS
					VL	3.92	0.00155	PASS
			MCH	TN	VN	2.45	0.00097	PASS
					VH	2.03	0.0008	PASS
					VL	2.83	0.0011	PASS
			HCH	TN	VN	-17.78	-0.00693	PASS
					VH	1.87	0.00073	PASS
					VL	0.99	0.00039	PASS
		15	LCH	TN	VN	-3.58	-0.00143	PASS
					VH	-1.69	-0.00067	PASS
					VL	0.40	0.00016	PASS
	MCH		TN	VN	2.99	0.00118	PASS	
				VH	3.20	0.00126	PASS	
				VL	0.09	0.00004	PASS	
	HCH		TN	VN	-0.82	-0.00032	PASS	
				VH	-2.16	-0.00084	PASS	
				VL	-1.29	-0.00051	PASS	
	20		LCH	TN	VN	-5.54	-0.00221	PASS
					VH	-5.62	-0.00224	PASS
					VL	1.53	0.0006	PASS
		MCH	TN	VN	1.70	0.00067	PASS	
				VH	1.29	0.00051	PASS	
				VL	2.40	0.00094	PASS	
		HCH	TN	VL	2.40	0.00094	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	0.21	0.00008	PASS
					VH	-0.57	-0.00022	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
BAND7	LTE/TM1	5	LCH	VN	-30	-2.09	-0.00084	PASS
					-20	-0.27	-0.00011	PASS
					-10	-5.61	-0.00224	PASS
					0	-7.24	-0.00289	PASS
					10	-4.78	-0.00191	PASS
					20	-6.12	-0.00245	PASS
					30	-7.81	-0.00312	PASS
					40	-8.67	-0.00346	PASS
			50	-9.20	-0.00368	PASS		
			MCH	VN	-30	0.84	0.00033	PASS
					-20	1.00	0.00039	PASS
					-10	2.98	0.00118	PASS
					0	5.35	0.00211	PASS
					10	1.95	0.00077	PASS
					20	2.12	0.00084	PASS
					30	1.27	0.0005	PASS
					40	0.94	0.00037	PASS
			HCH	VN	-30	1.03	0.0004	PASS
					-20	1.27	0.00049	PASS
					-10	-2.65	-0.00103	PASS
					0	-0.01	0	PASS
					10	-3.73	-0.00145	PASS
					20	-1.47	-0.00057	PASS
					30	-3.30	-0.00129	PASS
		40			-1.67	-0.00065	PASS	
		10	LCH	VN	-30	3.68	0.00147	PASS
					-20	-4.08	-0.00163	PASS
					-10	-1.72	-0.00069	PASS
					0	-7.48	-0.00299	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		15			10	-8.34	-0.00333	PASS	
					20	-7.65	-0.00305	PASS	
					30	-3.36	-0.00134	PASS	
					40	-5.22	-0.00208	PASS	
					50	-7.68	-0.00307	PASS	
			MCH	VN	-30	4.92	0.00194	PASS	
					-20	1.10	0.00043	PASS	
					-10	5.05	0.00199	PASS	
					0	0.41	0.00016	PASS	
					10	1.04	0.00041	PASS	
					20	1.87	0.00074	PASS	
					30	3.43	0.00135	PASS	
					40	2.42	0.00095	PASS	
					50	2.86	0.00113	PASS	
			HCH	VN	-30	-2.70	-0.00105	PASS	
					-20	-2.89	-0.00113	PASS	
					-10	-4.56	-0.00178	PASS	
					0	-2.10	-0.00082	PASS	
					10	-2.79	-0.00109	PASS	
					20	-2.76	-0.00108	PASS	
					30	-0.70	-0.00027	PASS	
					40	-4.03	-0.00157	PASS	
			LCH	VN	-30	-2.19	-0.00087	PASS	
					-20	-3.43	-0.00137	PASS	
		-10			-3.52	-0.0014	PASS		
		0			-13.40	-0.00534	PASS		
		10			-6.34	-0.00253	PASS		
		20			-12.10	-0.00483	PASS		
		30			-3.23	-0.00129	PASS		
		40			-4.78	-0.00191	PASS		
		50			-4.41	-0.00176	PASS		
		MCH			VN	-30	3.76	0.00148	PASS
						-20	4.72	0.00186	PASS
						-10	4.31	0.0017	PASS
			0	3.96		0.00156	PASS		
			10	3.99		0.00157	PASS		
20	3.22		0.00127	PASS					
30	4.35		0.00172	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	3.46	0.00136	PASS		
					50	2.95	0.00116	PASS		
			HCH	VN	-30	0.04	0.00002	PASS		
					-20	-4.73	-0.00185	PASS		
					-10	-1.24	-0.00048	PASS		
					0	-1.89	-0.00074	PASS		
					10	-0.16	-0.00006	PASS		
					20	-3.55	-0.00139	PASS		
					30	-4.59	-0.00179	PASS		
					40	-2.79	-0.00109	PASS		
		50	-10.59	-0.00413	PASS					
					LCH	VN	-30	-0.09	-0.00004	PASS
							-20	-2.29	-0.00091	PASS
							-10	-4.65	-0.00185	PASS
							0	-2.68	-0.00107	PASS
							10	-4.19	-0.00167	PASS
							20	-4.13	-0.00165	PASS
							30	-3.08	-0.00123	PASS
							40	-4.35	-0.00173	PASS
							50	-5.35	-0.00213	PASS
										MCH
		-20	3.53	0.00139	PASS					
		-10	4.38	0.00173	PASS					
		0	1.99	0.00079	PASS					
		10	2.73	0.00108	PASS					
		20	3.99	0.00157	PASS					
		30	4.12	0.00163	PASS					
		40	2.12	0.00084	PASS					
		50	1.07	0.00042	PASS					
					HCH	VN				
							-20	-2.92	-0.00114	PASS
							-10	-1.86	-0.00073	PASS
							0	-0.33	-0.00013	PASS
							10	-2.03	-0.00079	PASS
							20	-1.34	-0.00052	PASS
							30	-0.20	-0.00008	PASS
							40	0.51	0.0002	PASS
		50	-0.06	-0.00002	PASS					
		LTE/TM2	5	LCH	VN	-30	5.39	0.00215	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		10			-20	-0.37	-0.00015	PASS	
					-10	-2.02	-0.00081	PASS	
					0	-1.93	-0.00077	PASS	
					10	-1.09	-0.00044	PASS	
					20	-2.68	-0.00107	PASS	
					30	-0.04	-0.00002	PASS	
					40	-3.81	-0.00152	PASS	
					50	-4.02	-0.00161	PASS	
			MCH	VN	-30	2.90	0.00114	PASS	
					-20	2.62	0.00103	PASS	
					-10	0.90	0.00036	PASS	
					0	4.76	0.00188	PASS	
					10	3.91	0.00154	PASS	
					20	5.09	0.00201	PASS	
					30	6.38	0.00252	PASS	
					40	4.41	0.00174	PASS	
			HCH	VN	-30	3.32	0.00129	PASS	
					-20	6.27	0.00244	PASS	
					-10	1.17	0.00046	PASS	
					0	3.05	0.00119	PASS	
					10	0.74	0.00029	PASS	
					20	0.37	0.00014	PASS	
					30	2.83	0.0011	PASS	
					40	1.79	0.0007	PASS	
			10	LCH	VN	-30	0.36	0.00014	PASS
						-20	-2.15	-0.00086	PASS
						-10	-4.61	-0.00184	PASS
						0	-16.45	-0.00657	PASS
		10				-6.27	-0.0025	PASS	
		20				-3.36	-0.00134	PASS	
		30				-3.16	-0.00126	PASS	
		40				-3.72	-0.00149	PASS	
		50		-3.38	-0.00135	PASS			
		MCH		VN	-30	2.76	0.00109	PASS	
					-20	4.31	0.0017	PASS	
					-10	4.58	0.00181	PASS	
			0		3.63	0.00143	PASS		