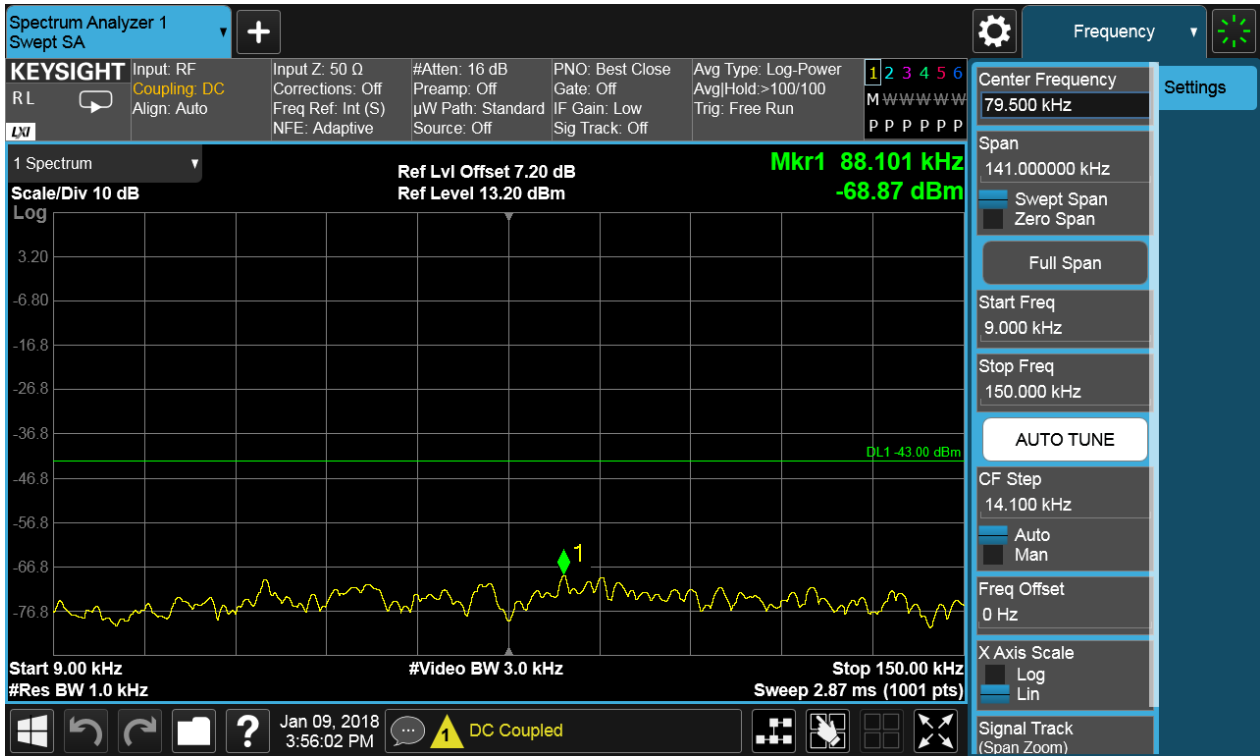
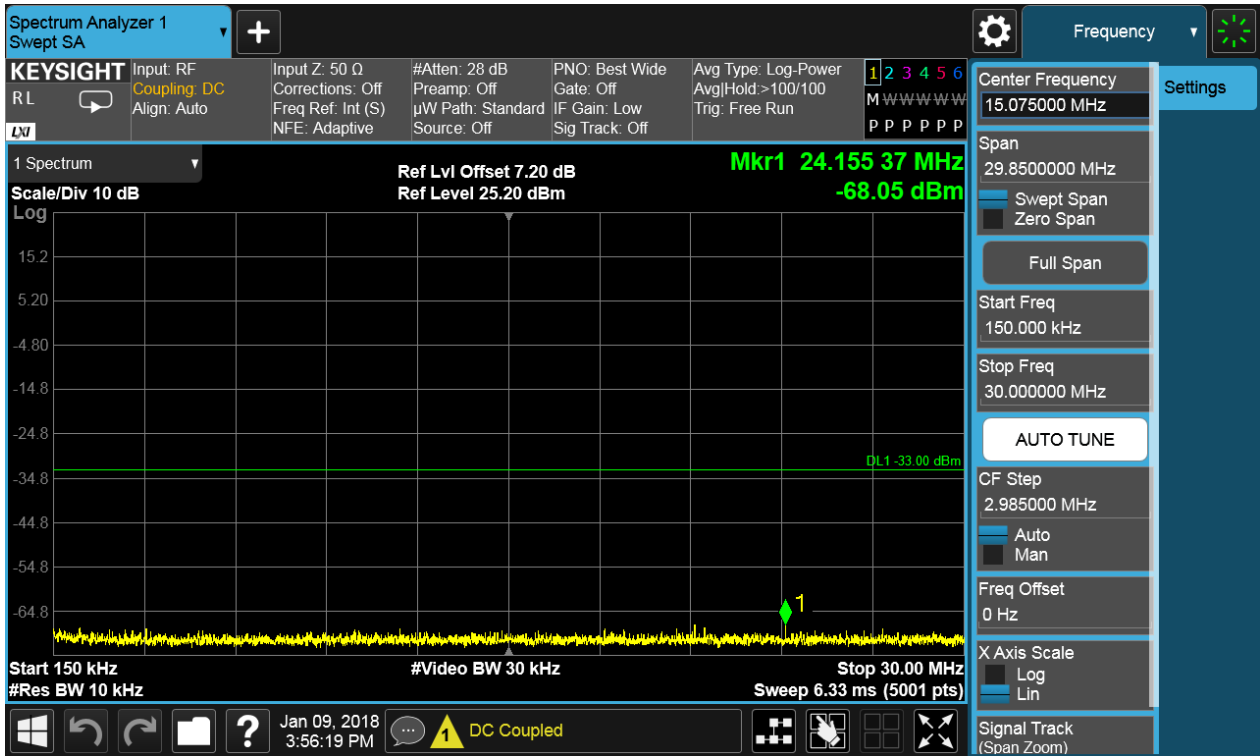
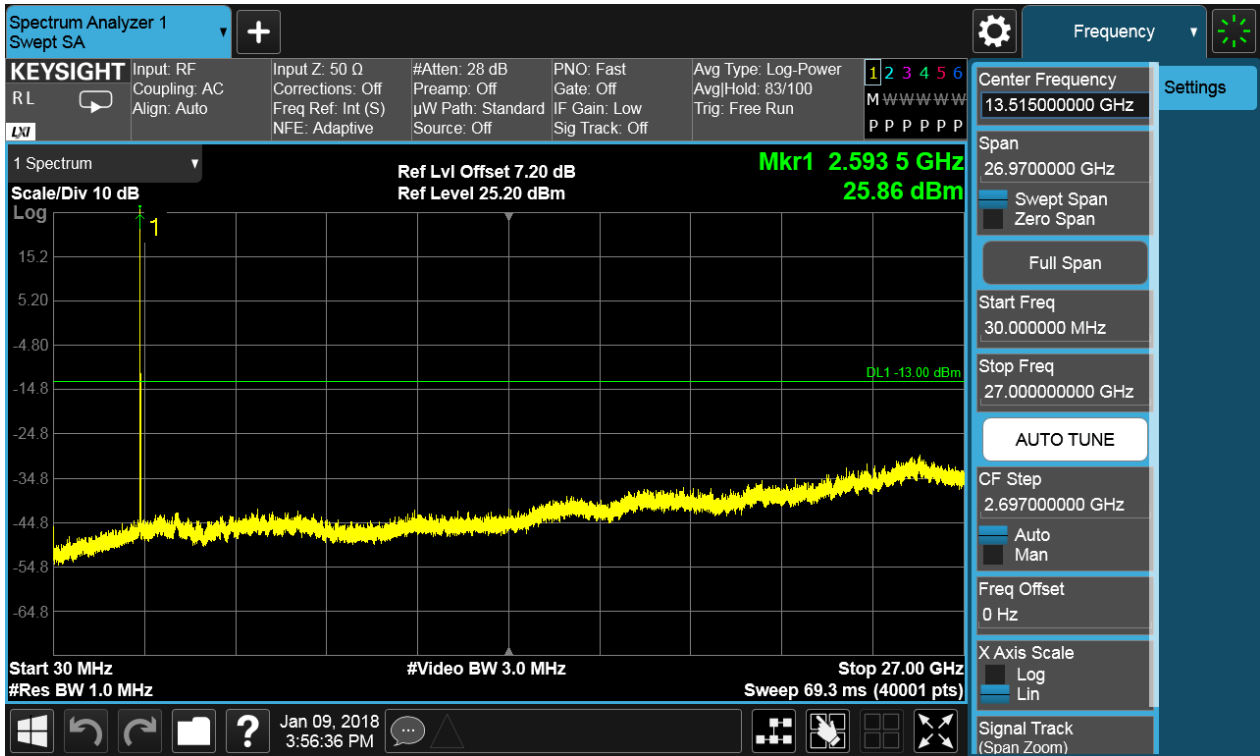


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

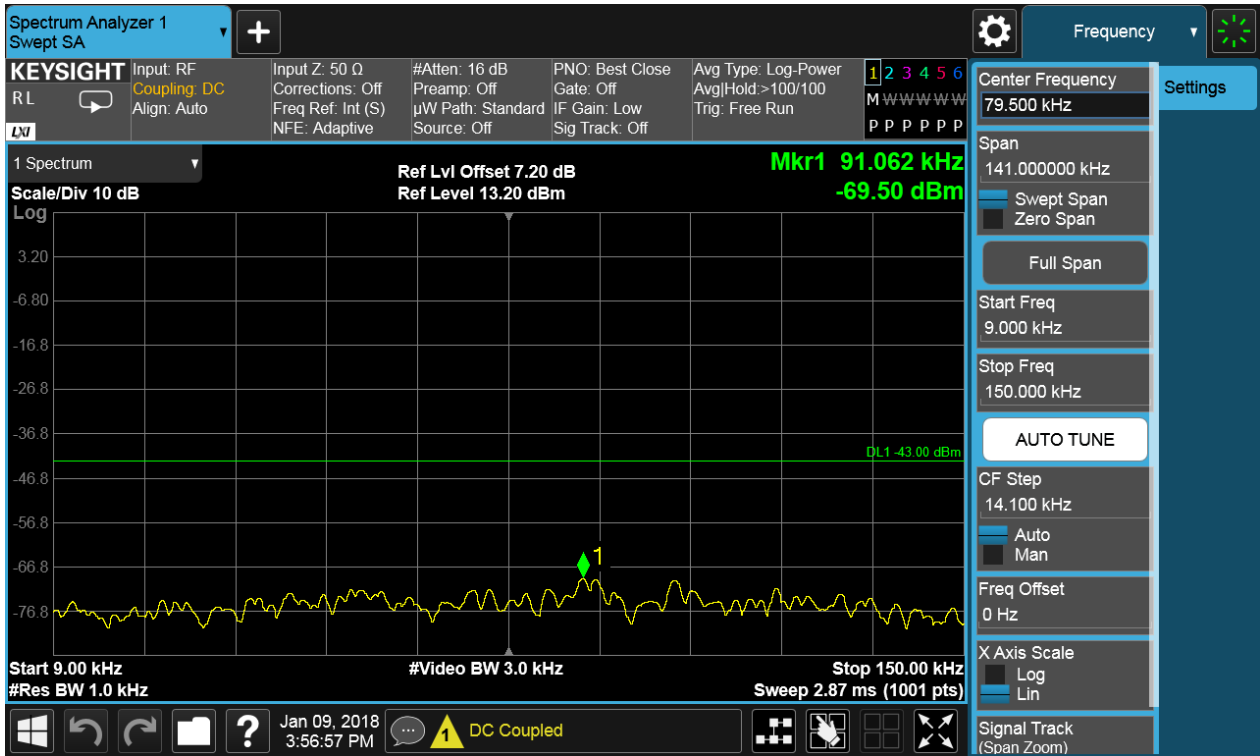


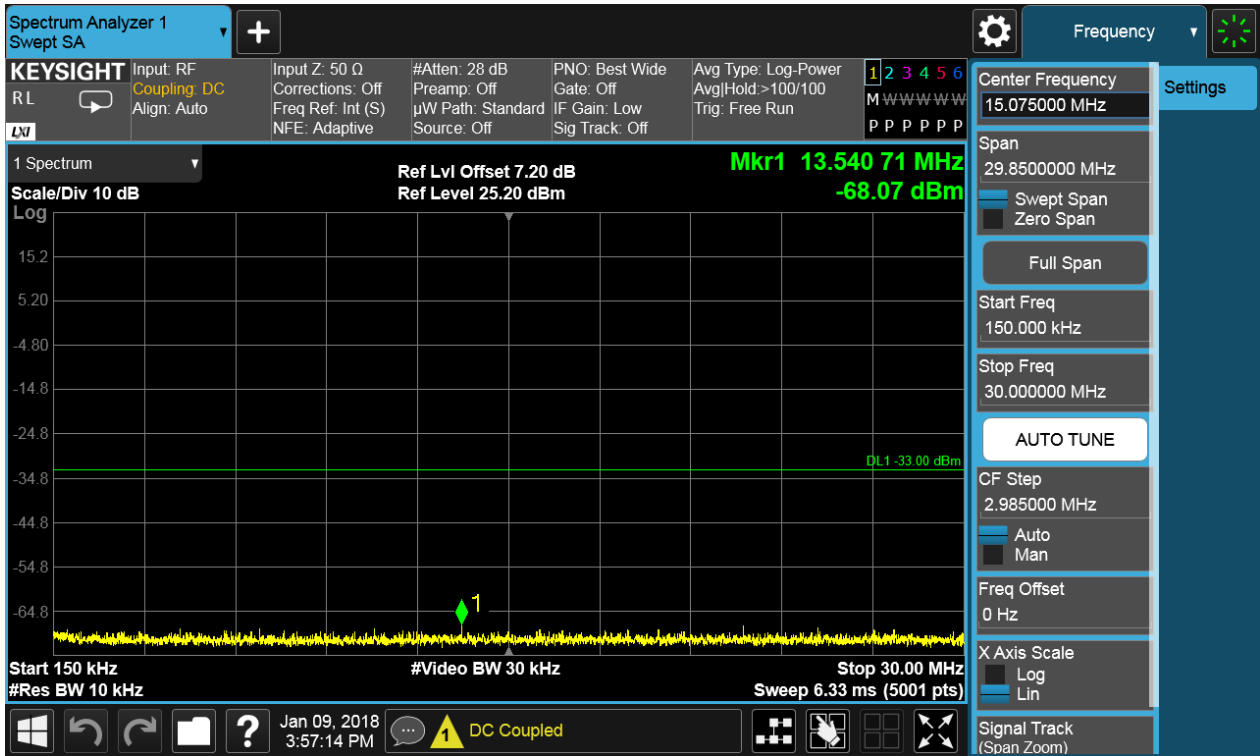


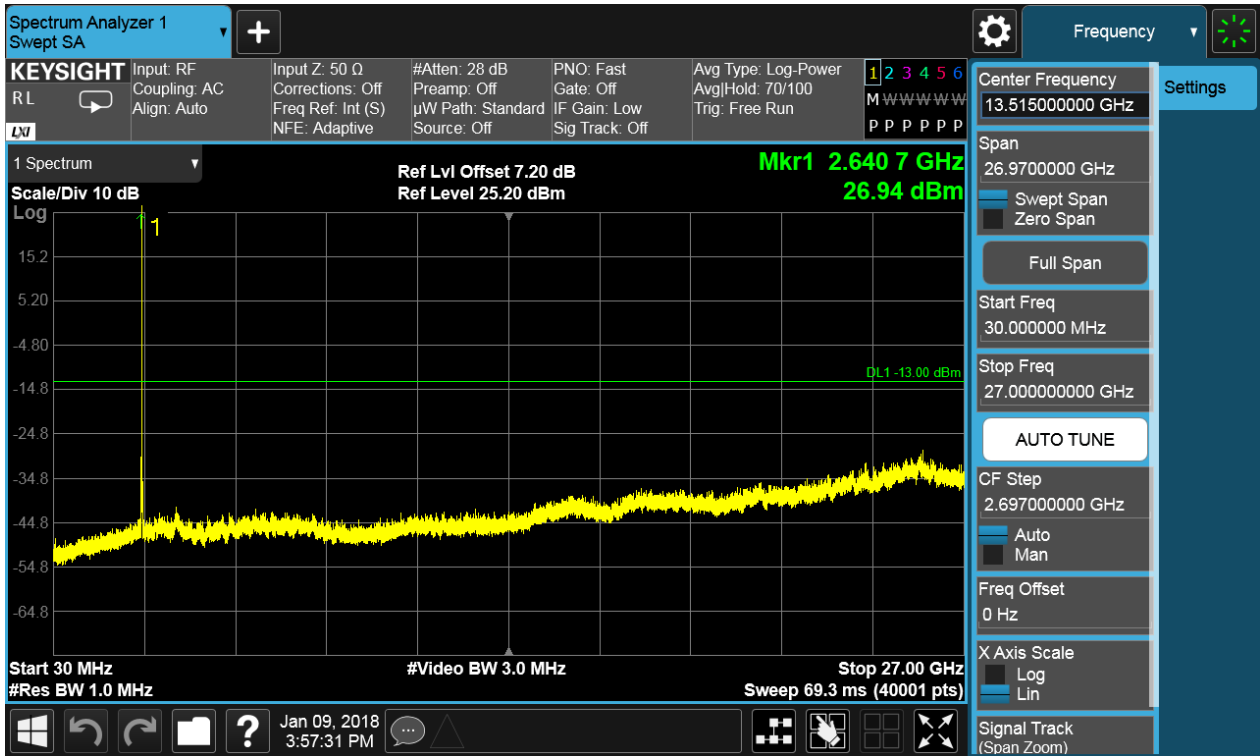


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



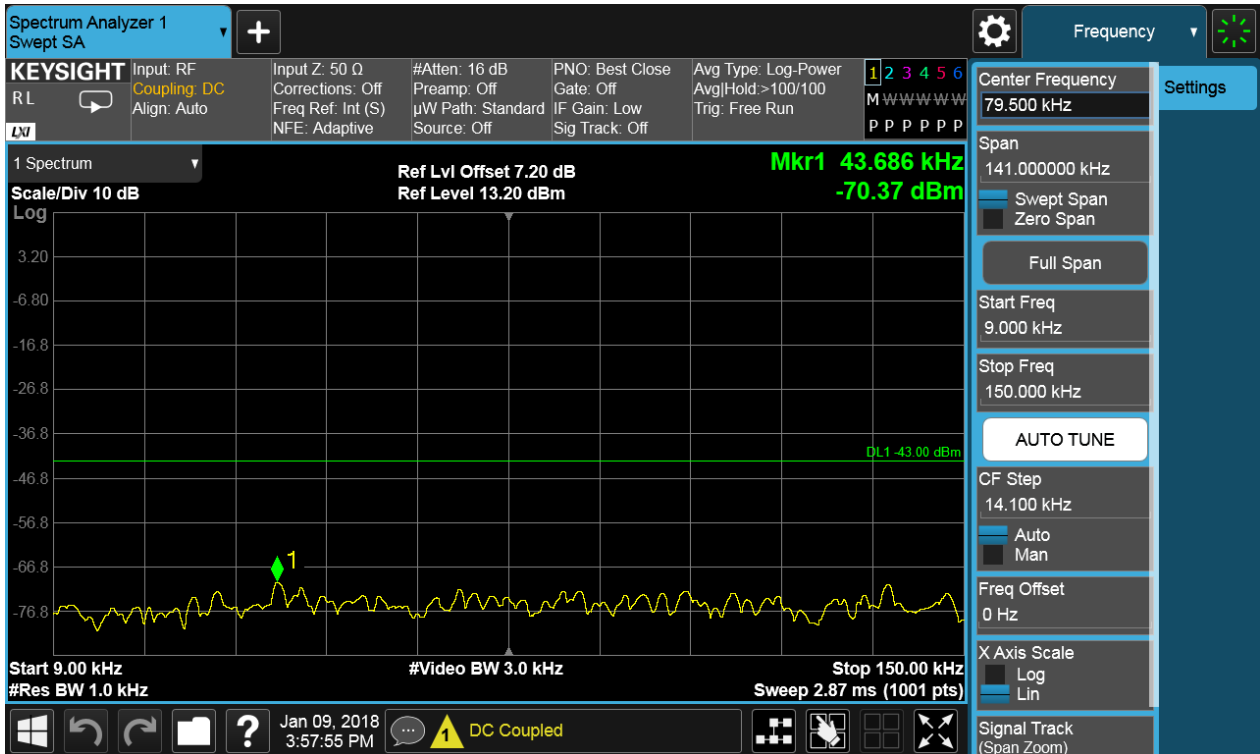


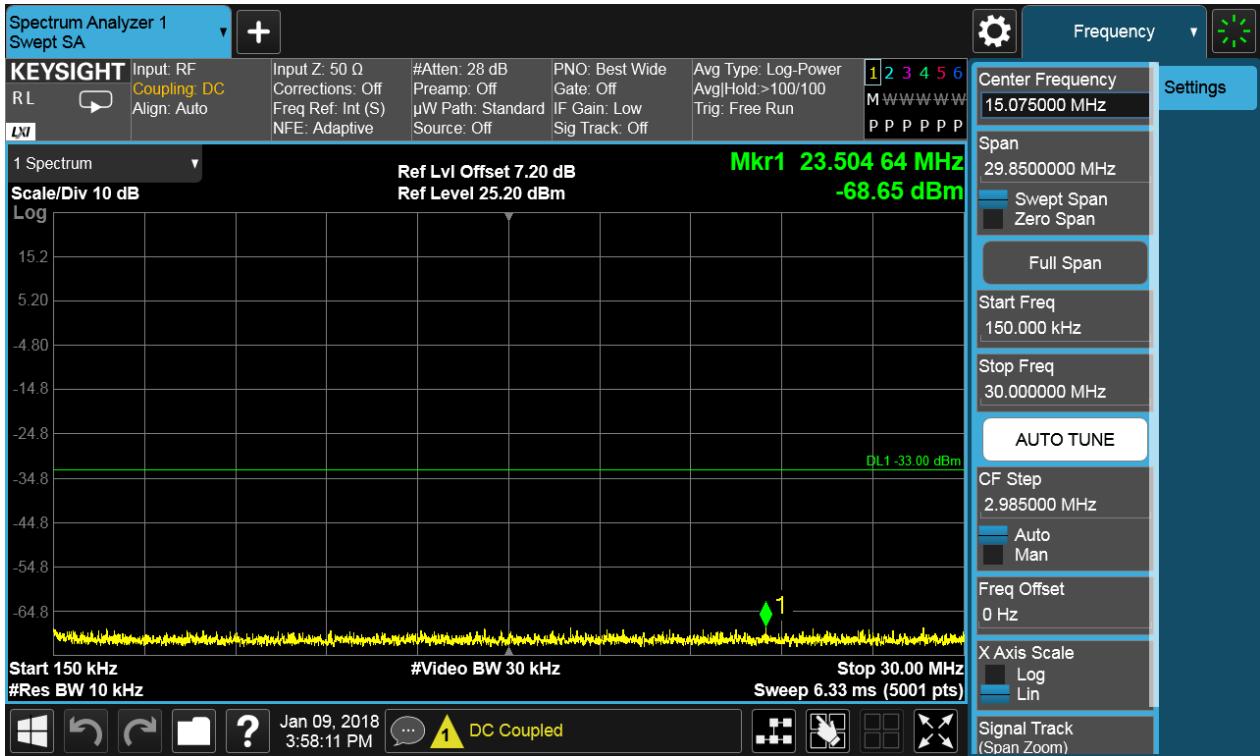


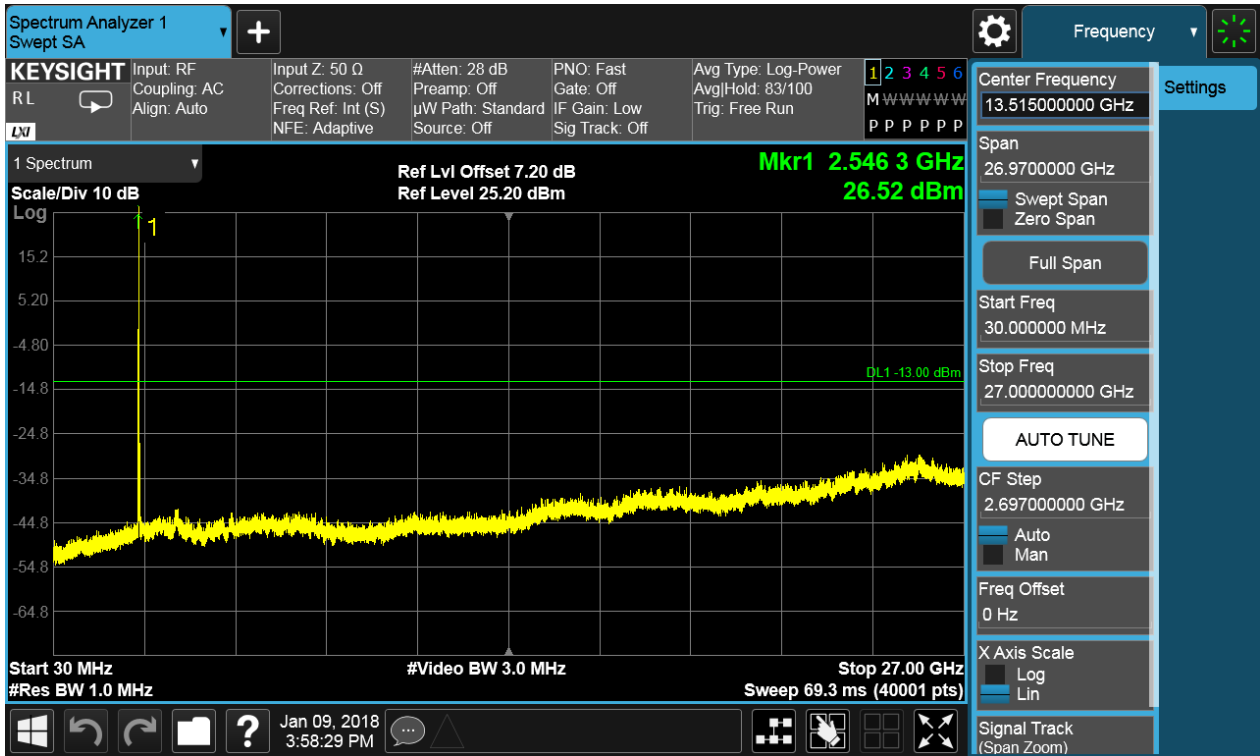
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

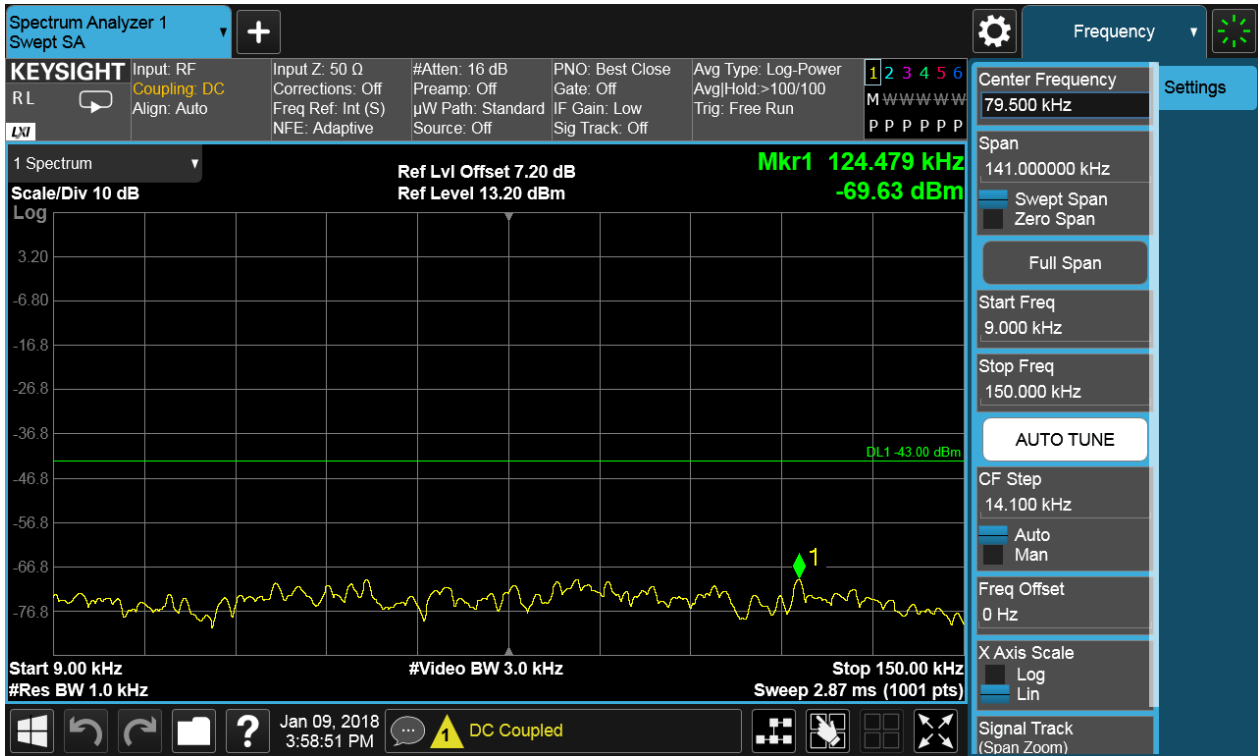


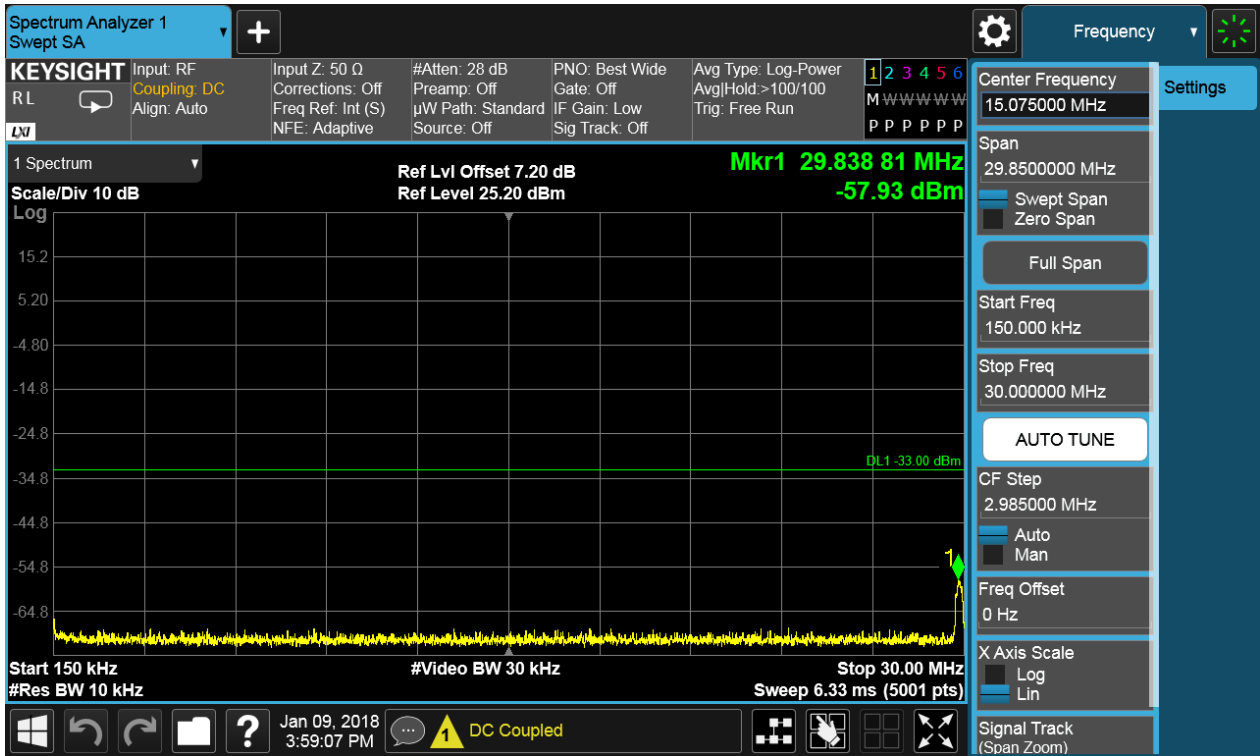


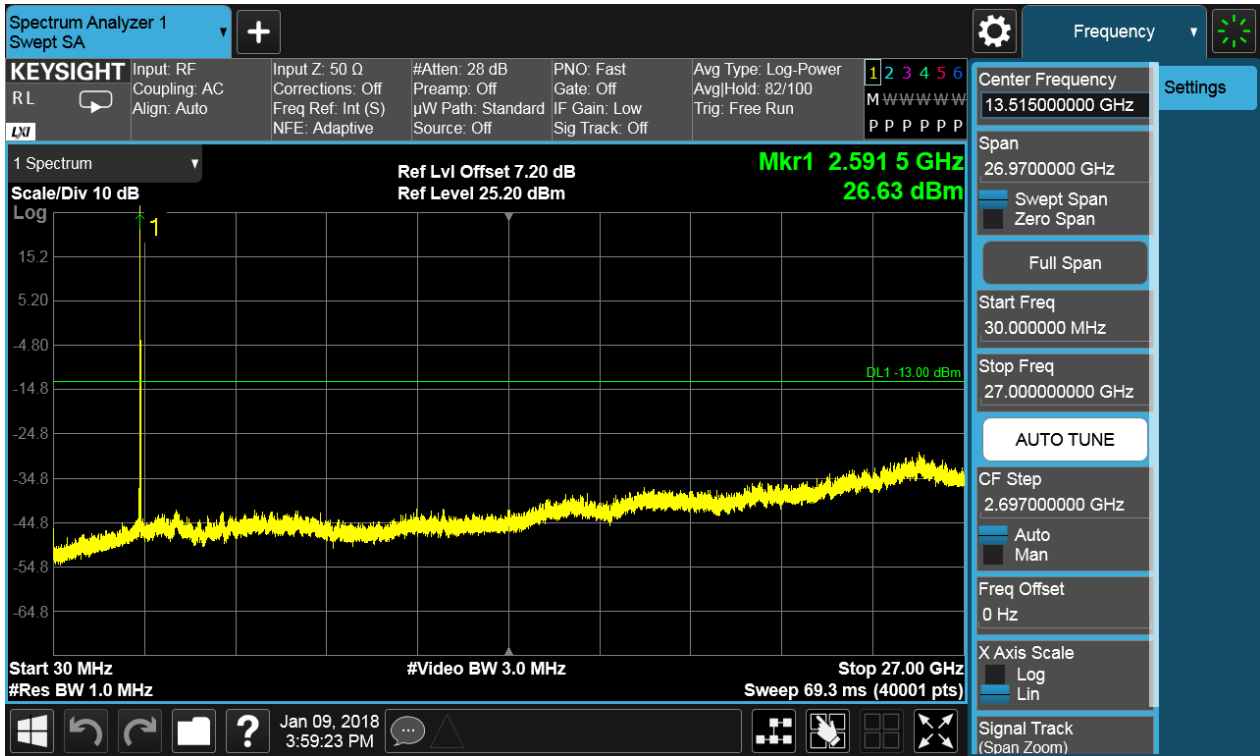


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

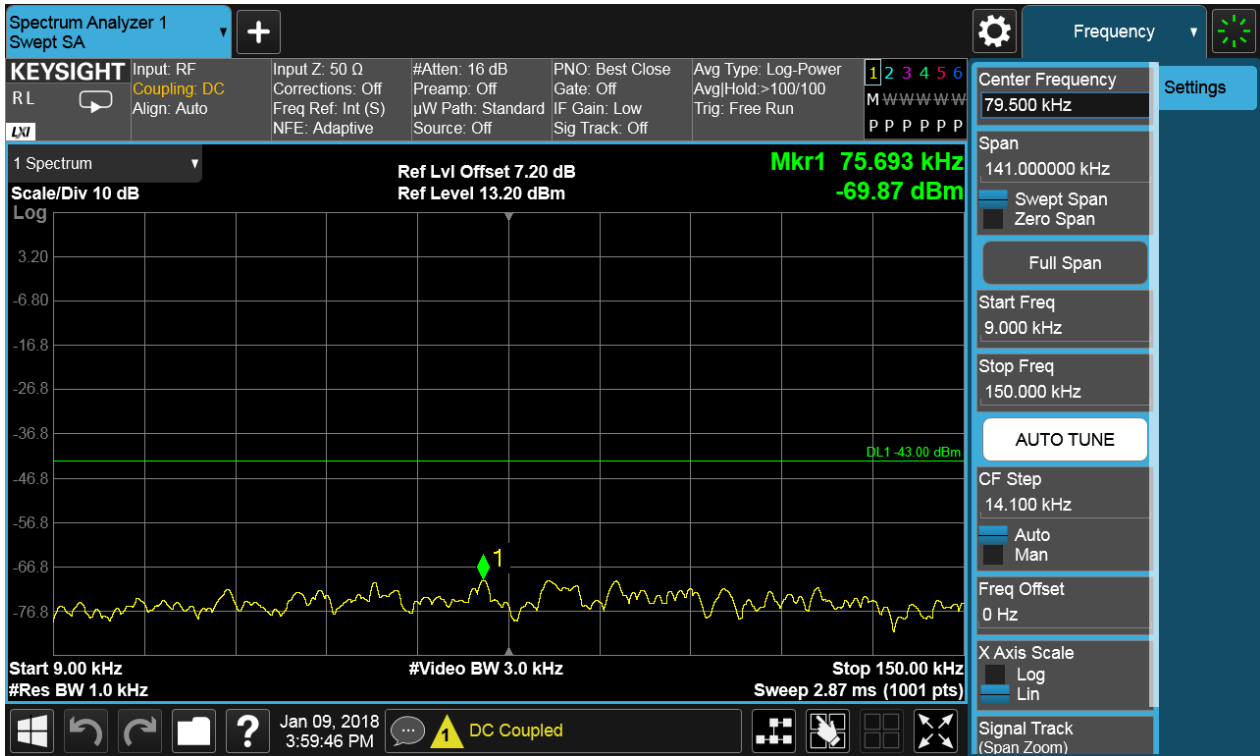


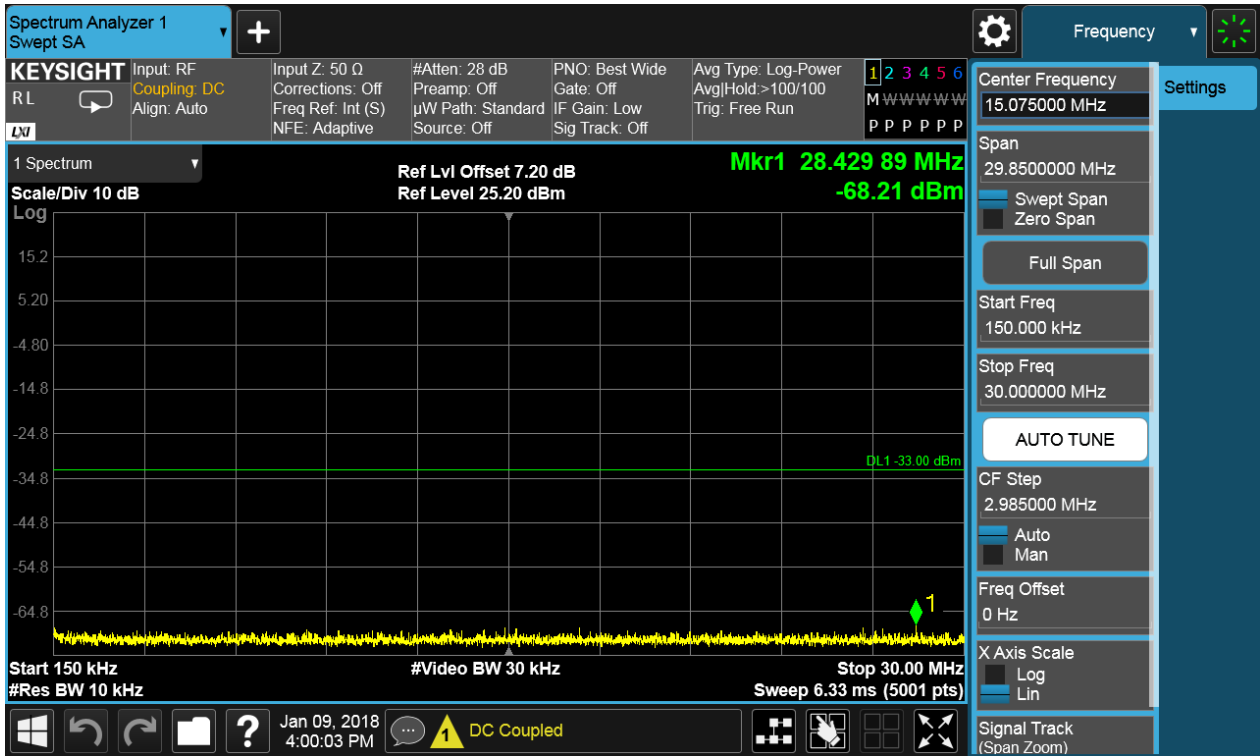


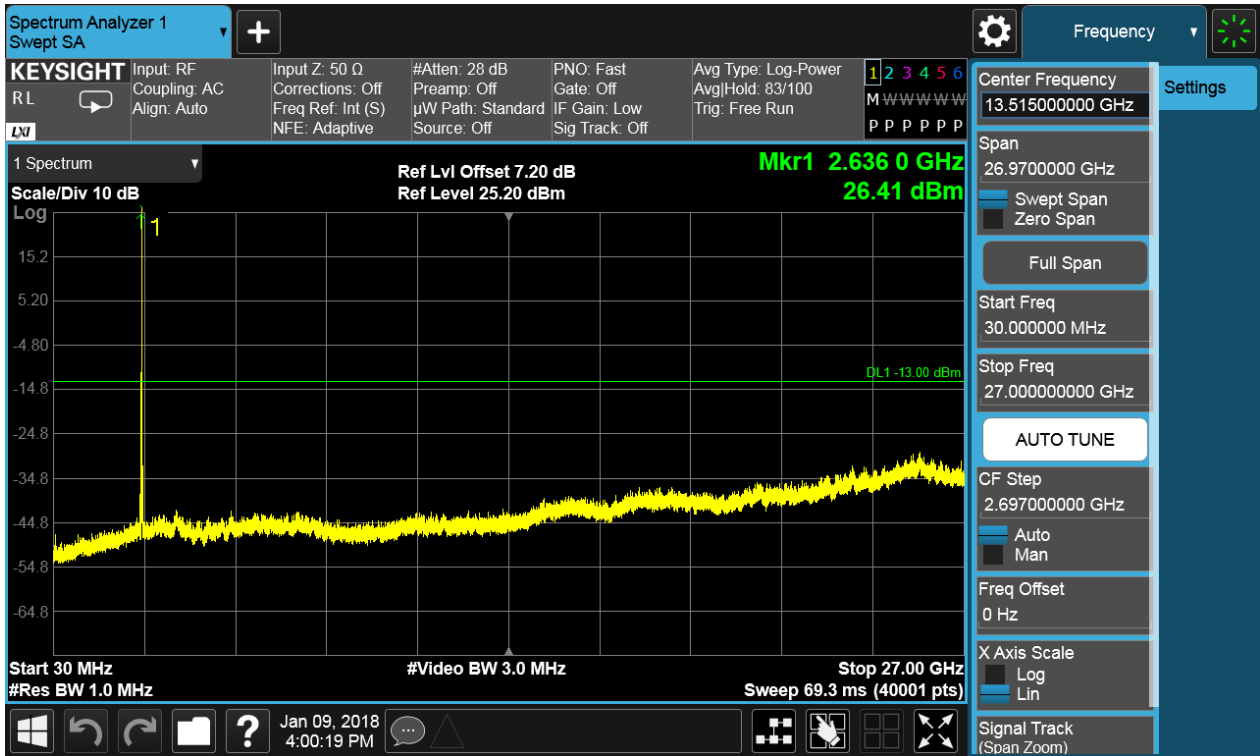


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







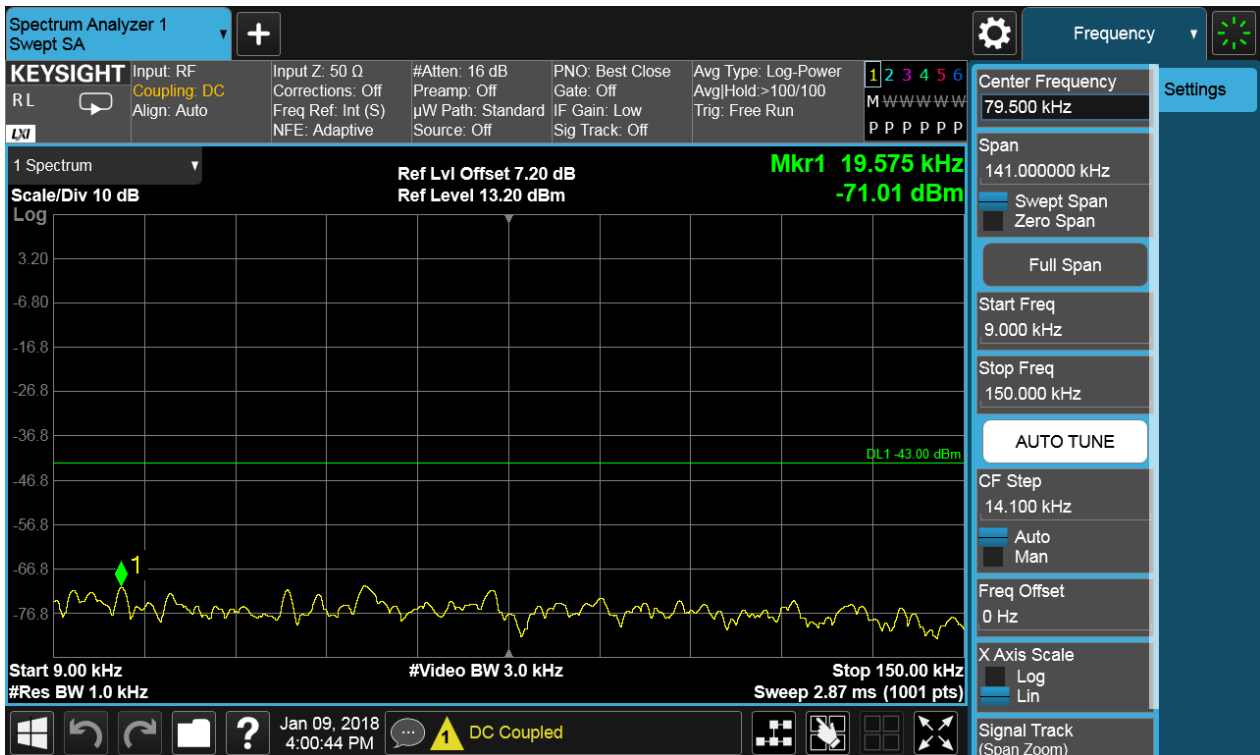


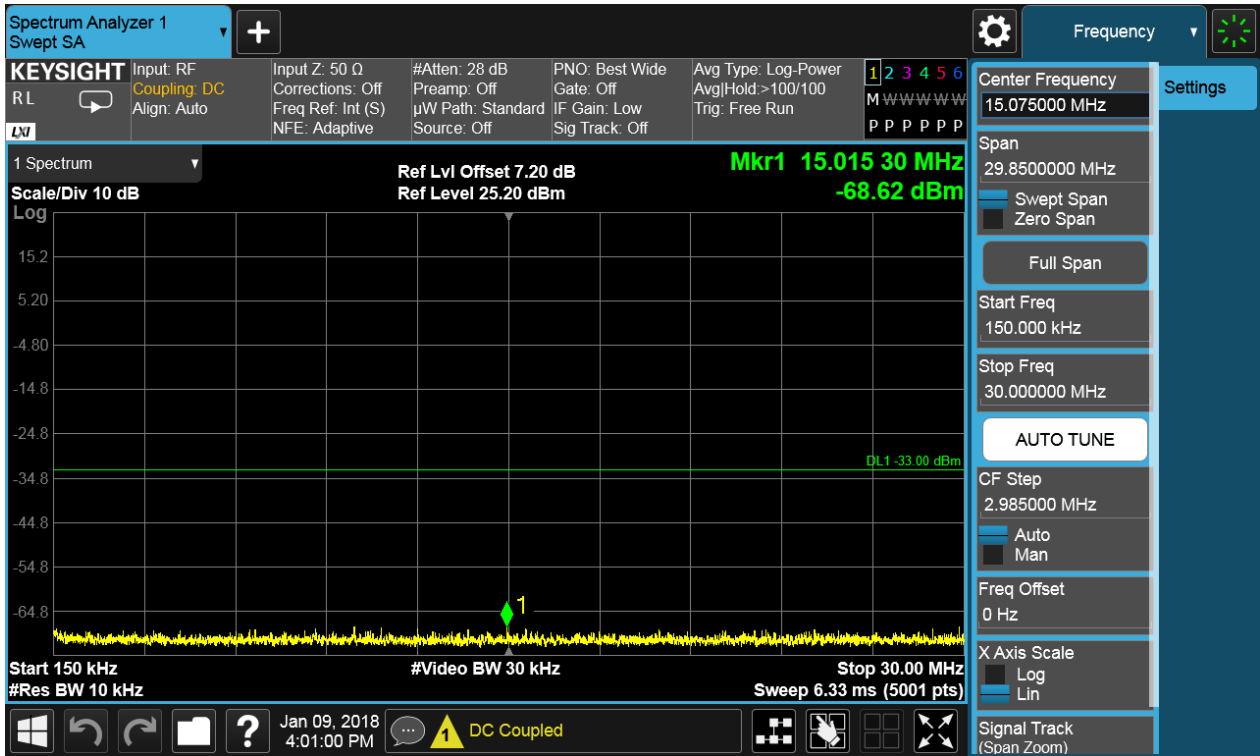
6.1.1.2 Test Mode = LTE/TM2

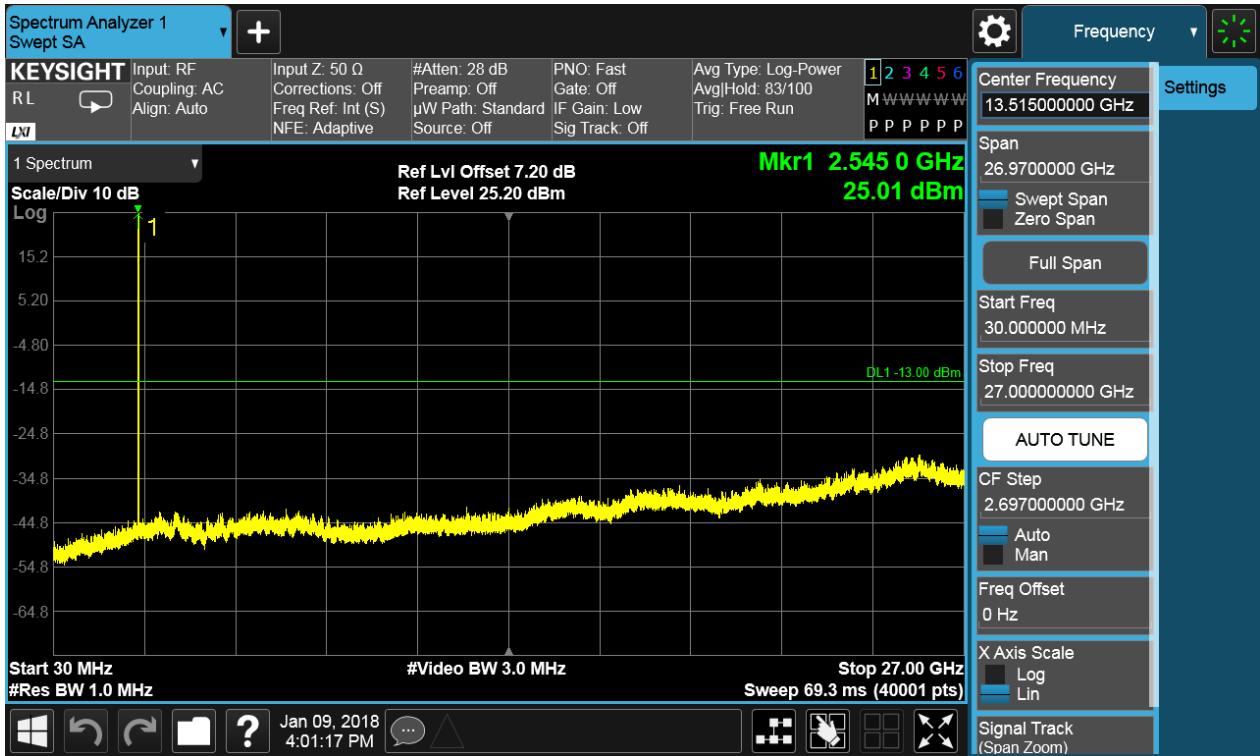
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

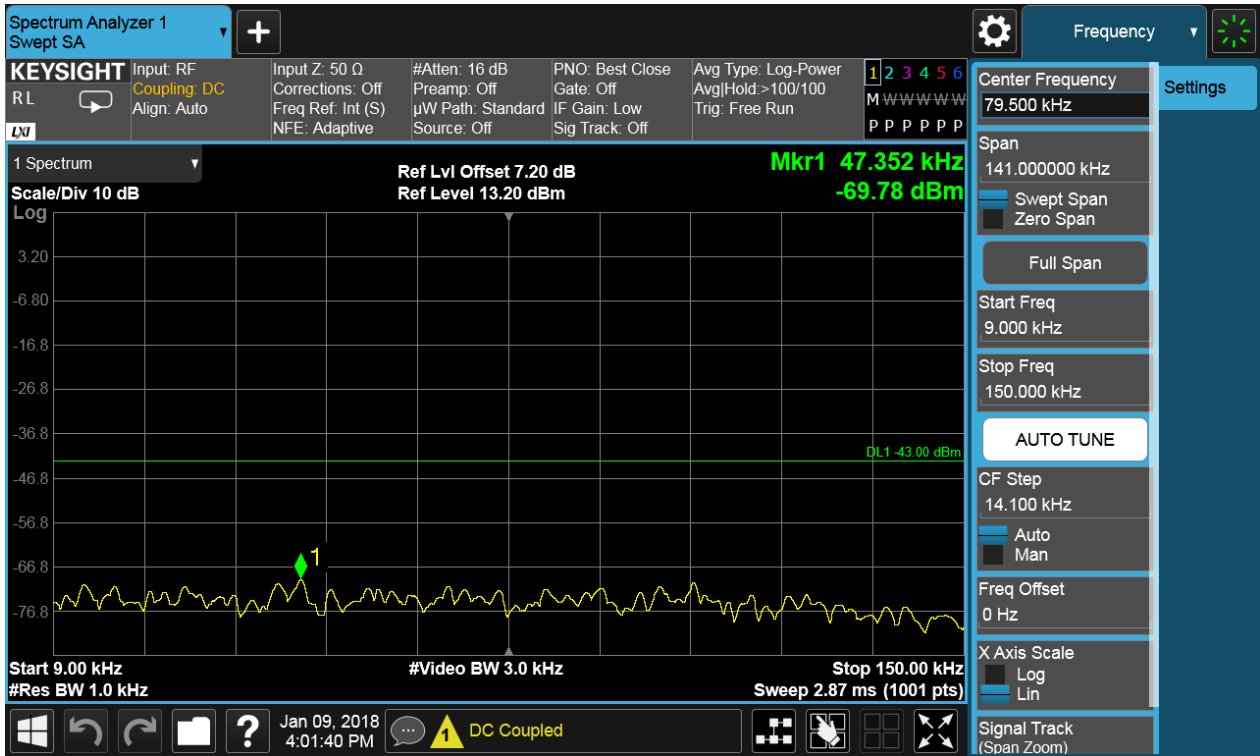


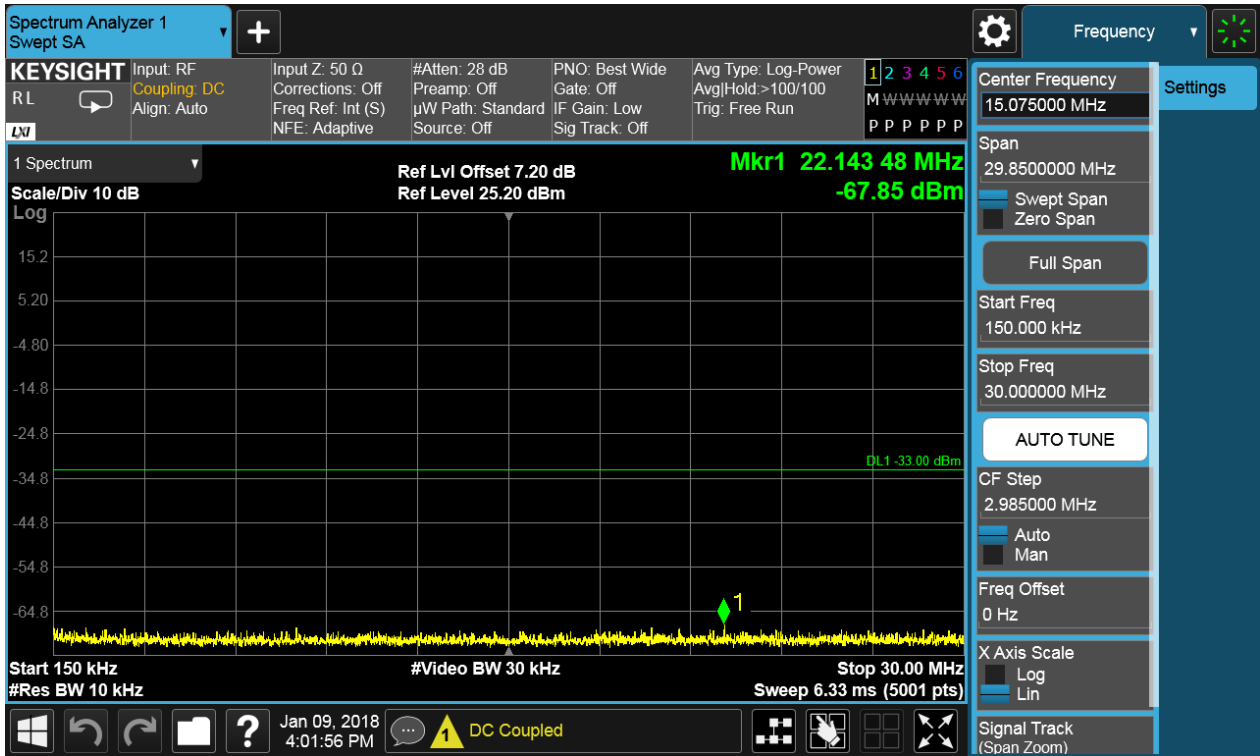


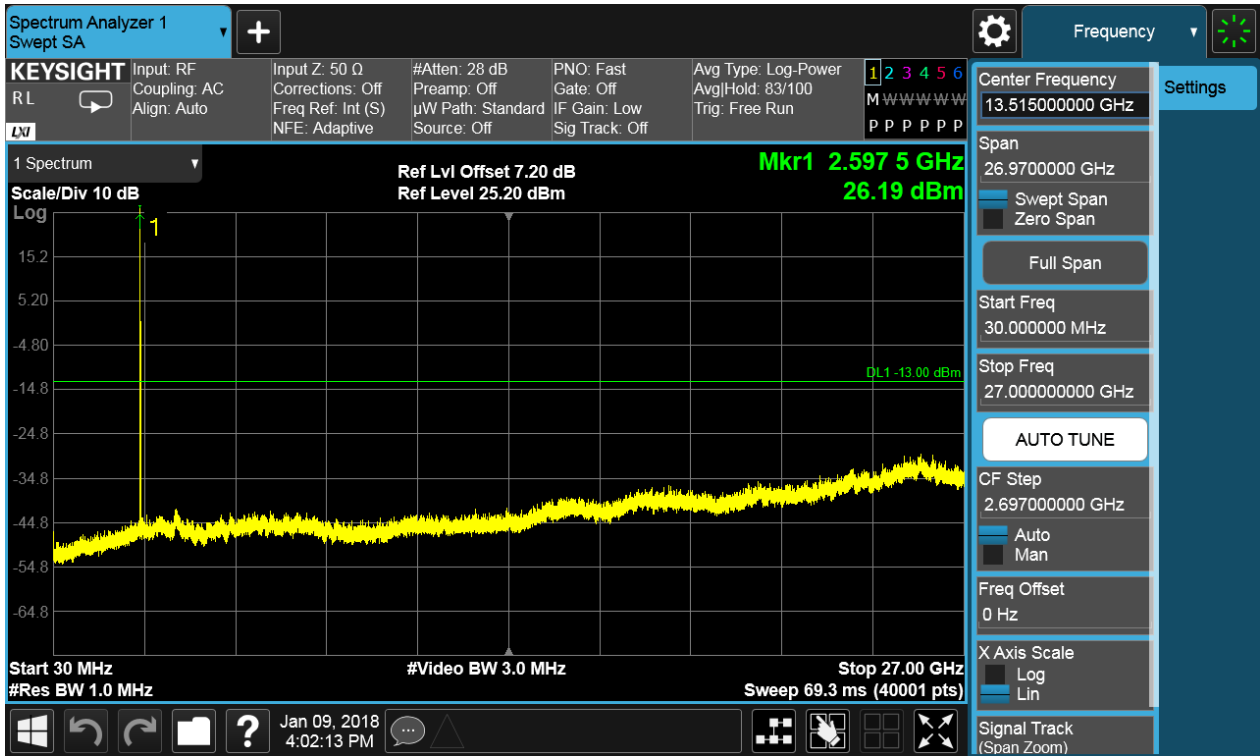


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

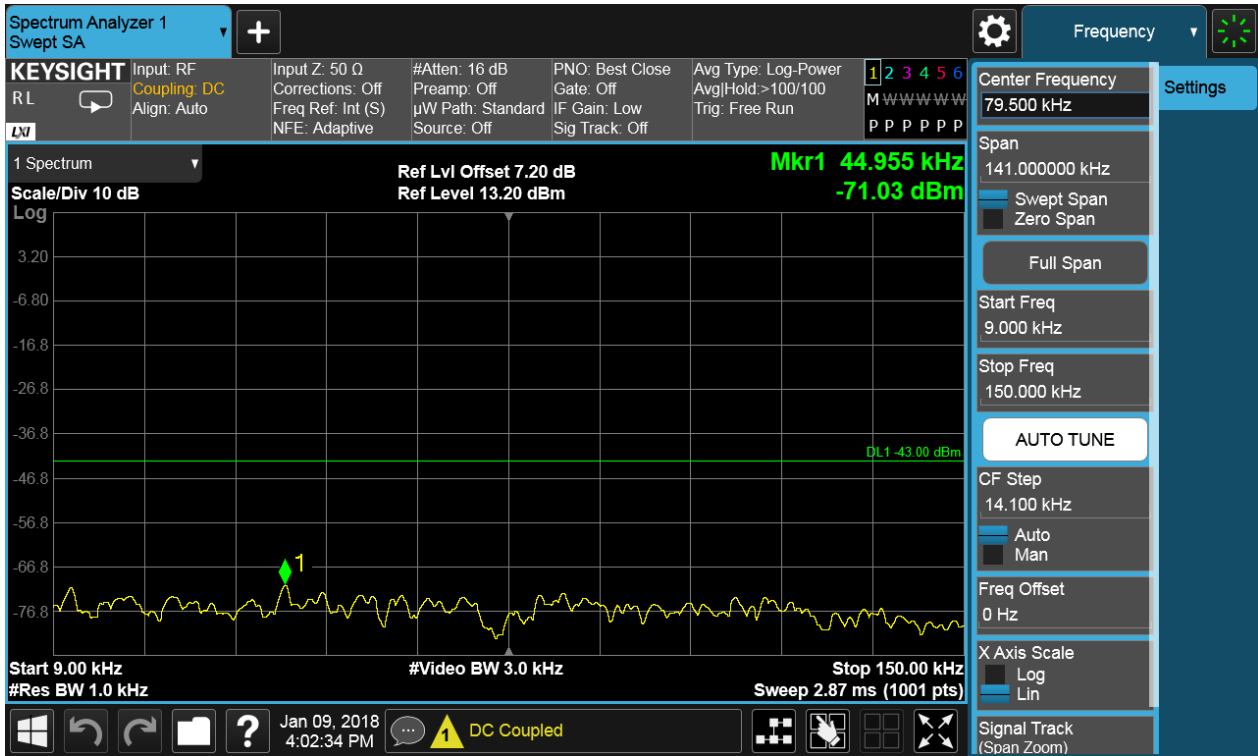


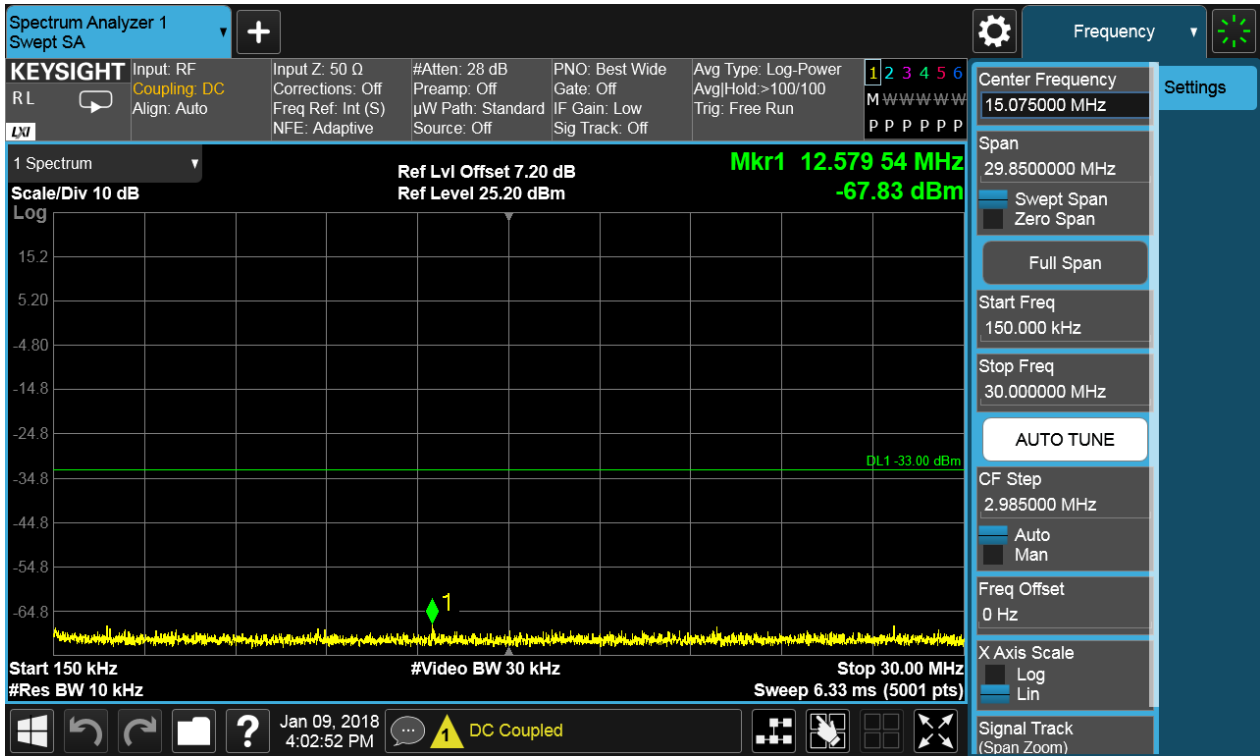


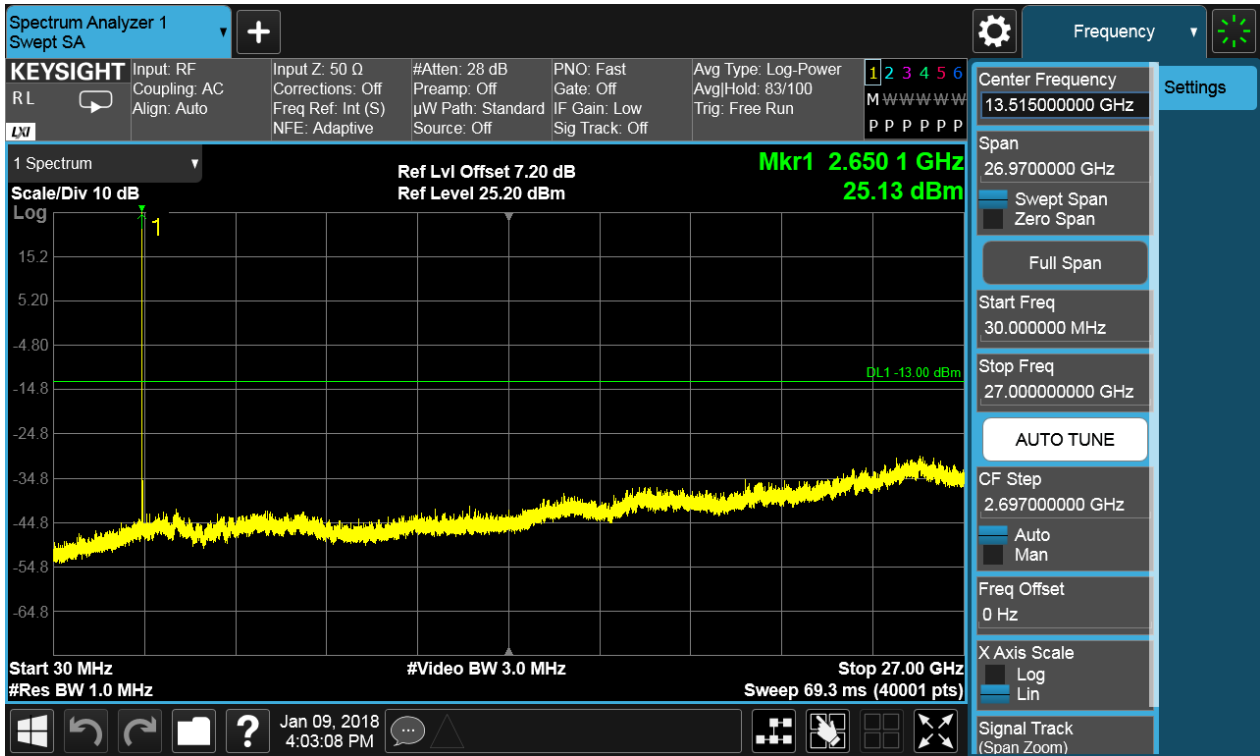


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



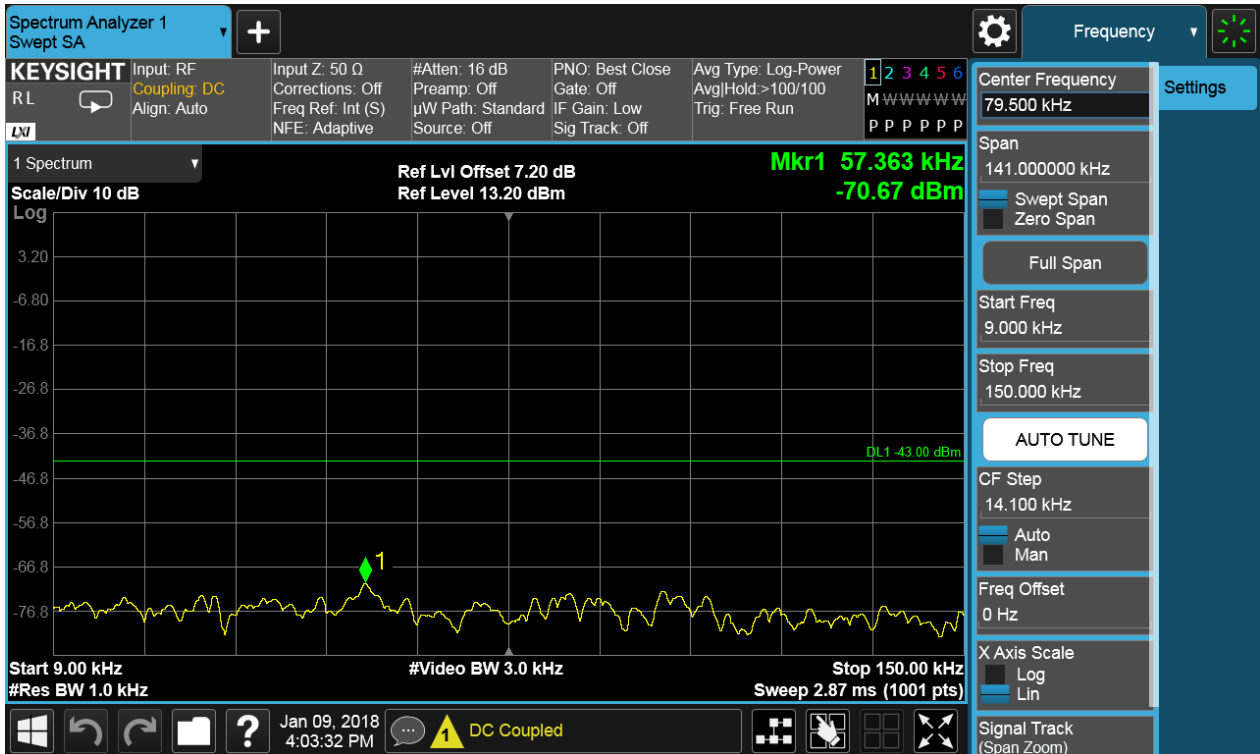


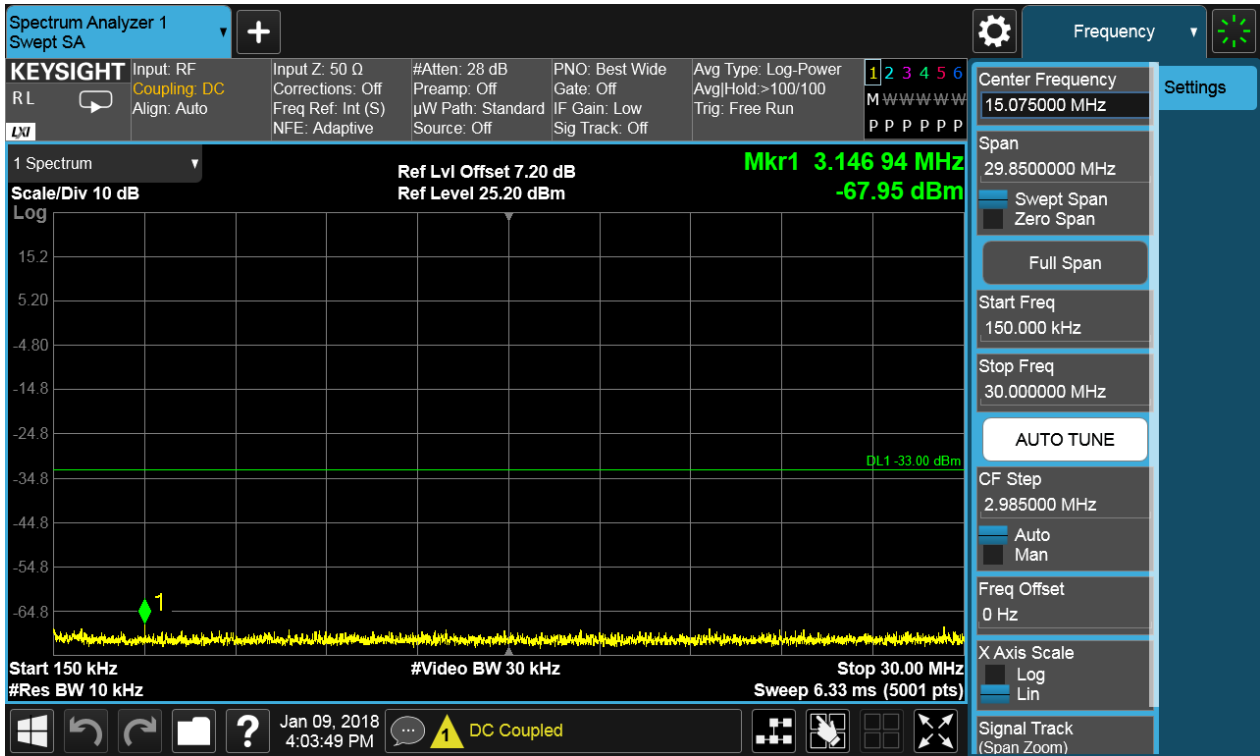


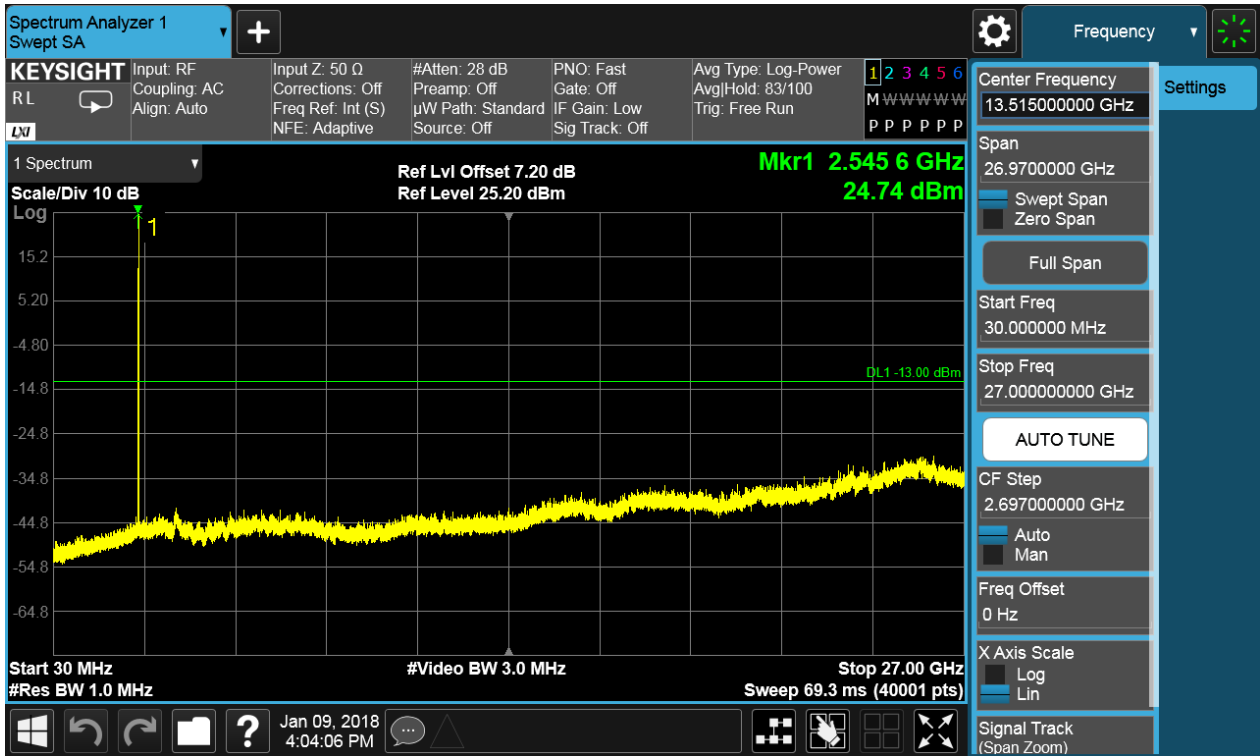
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

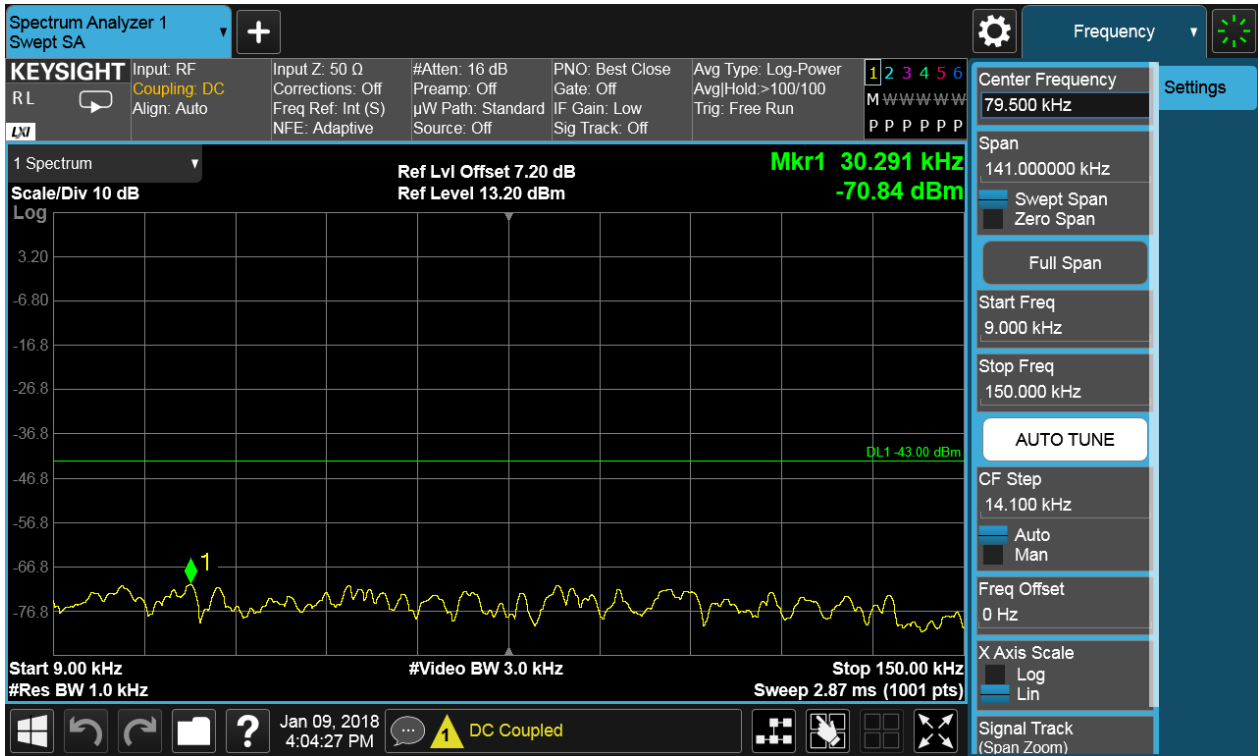


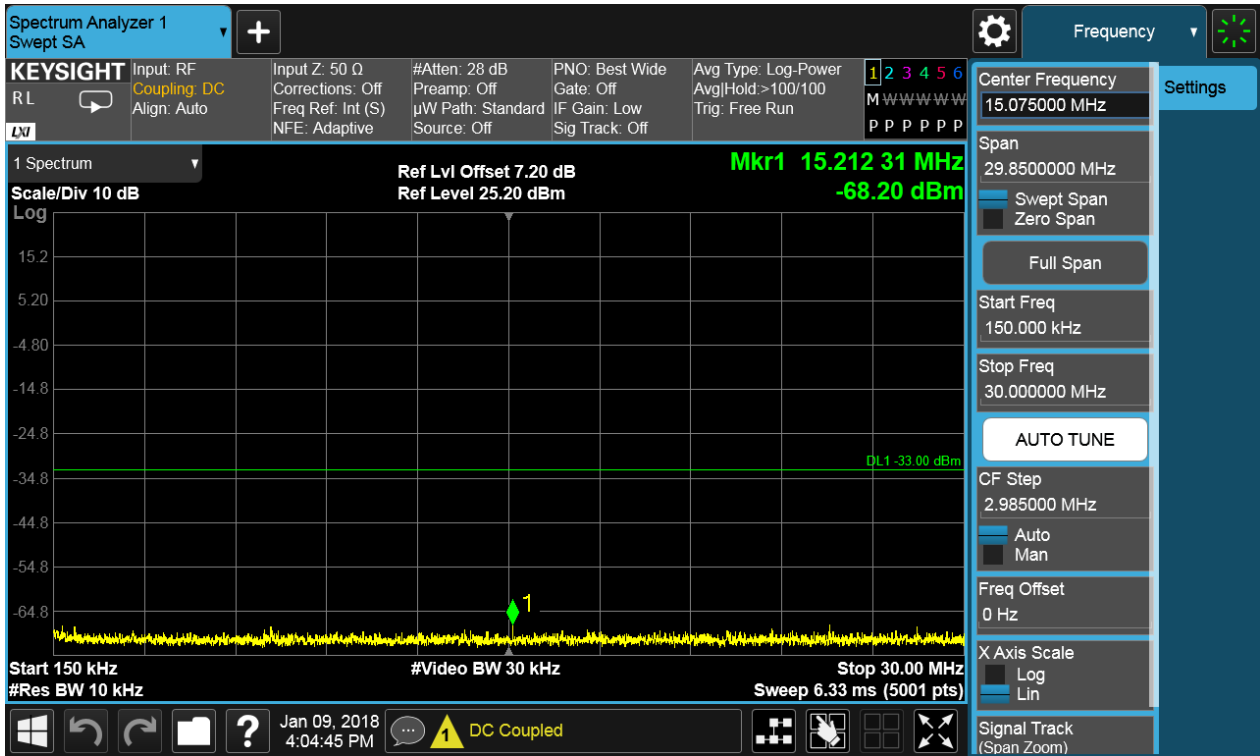


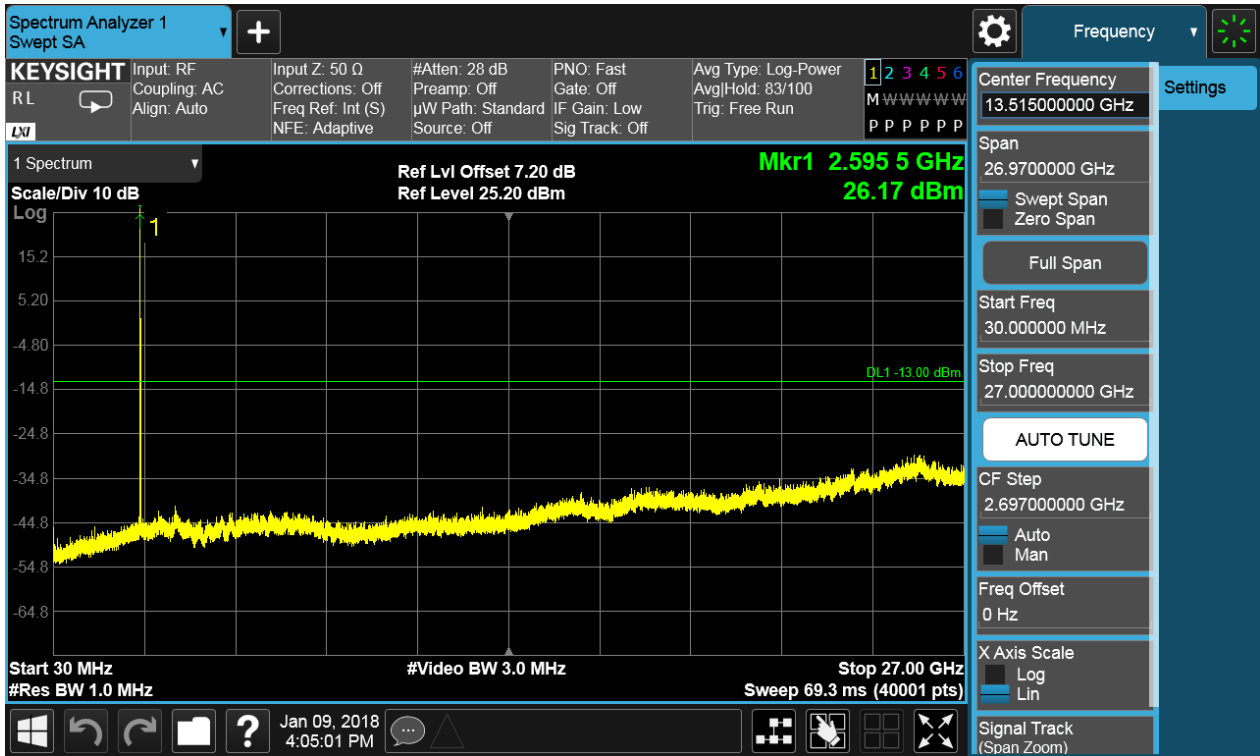


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

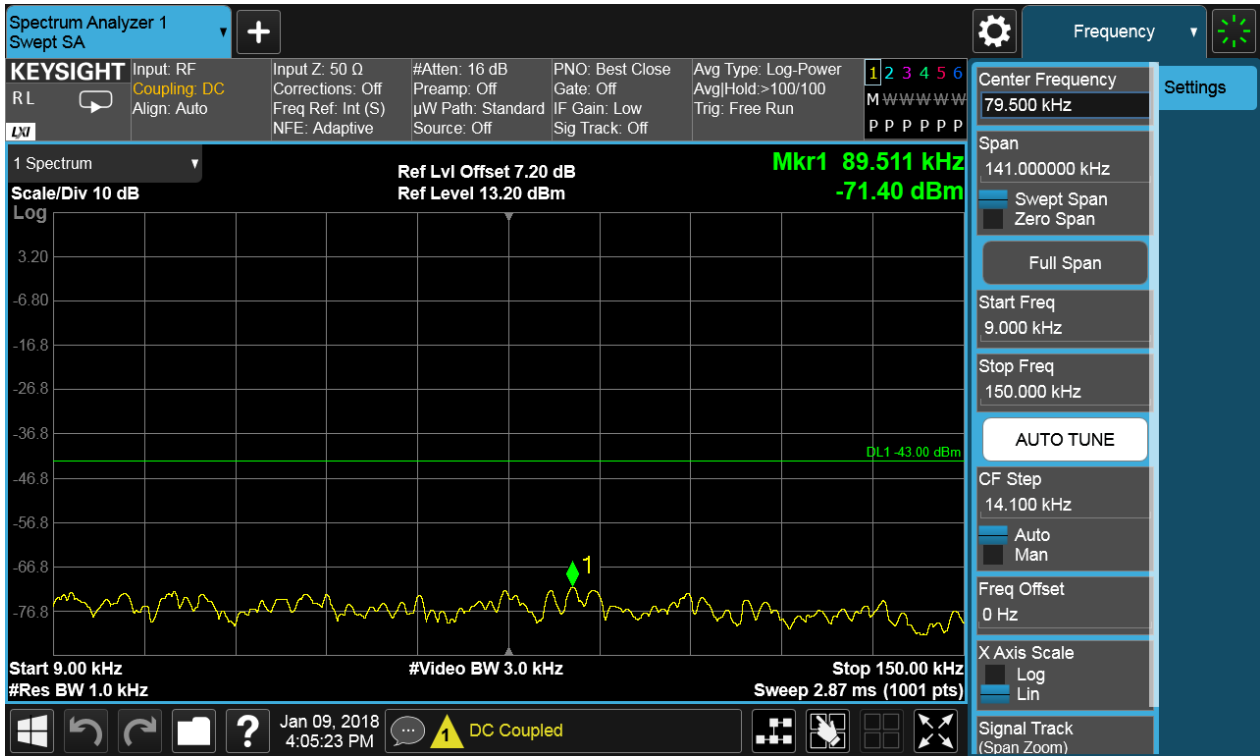


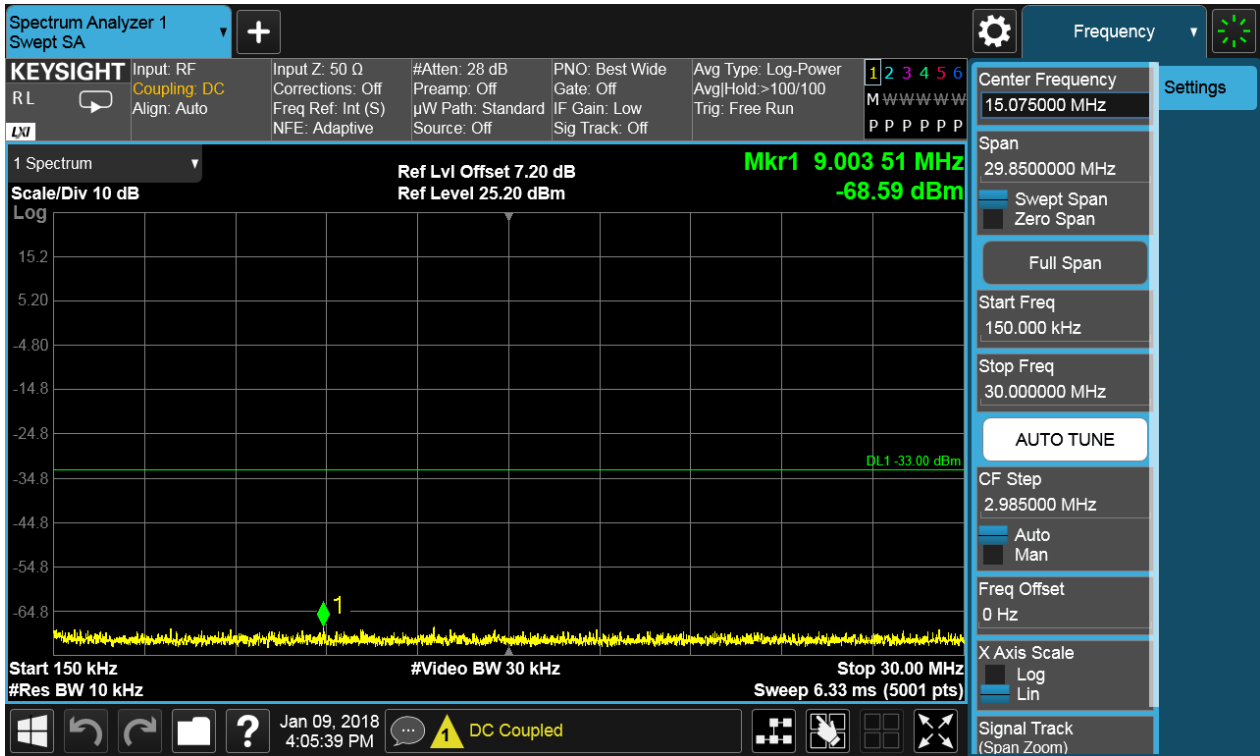


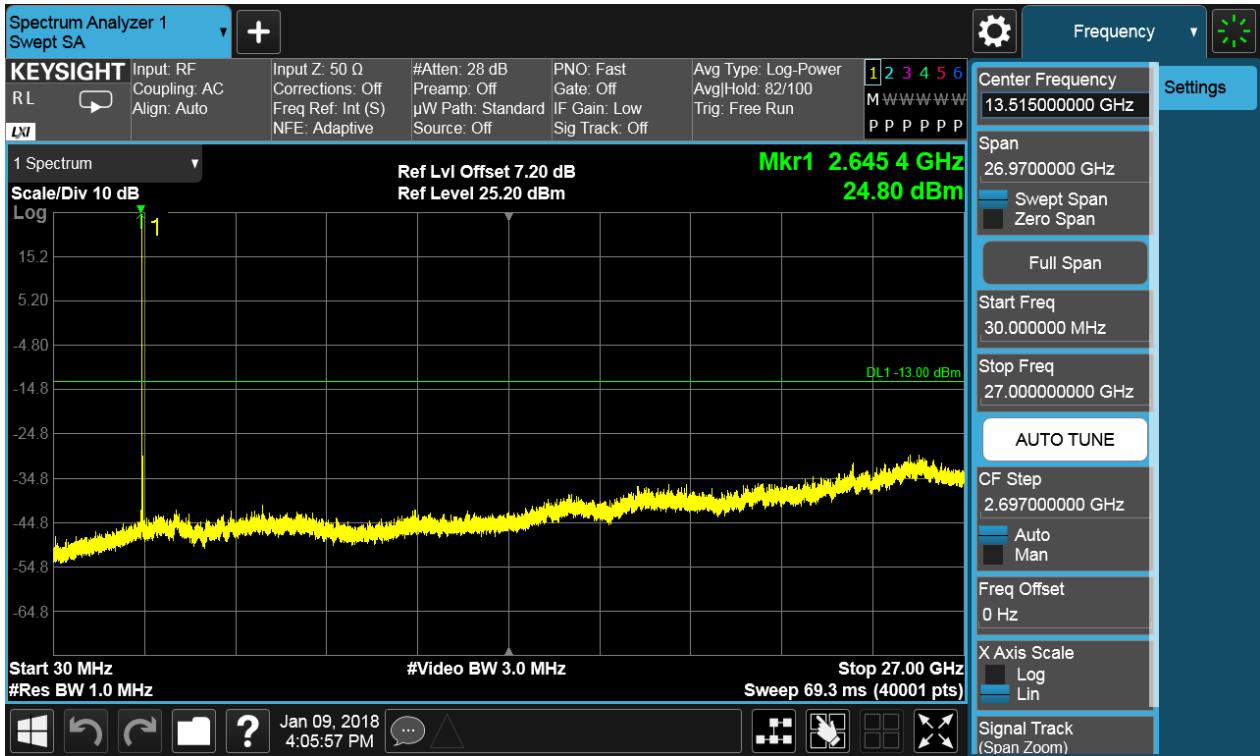


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





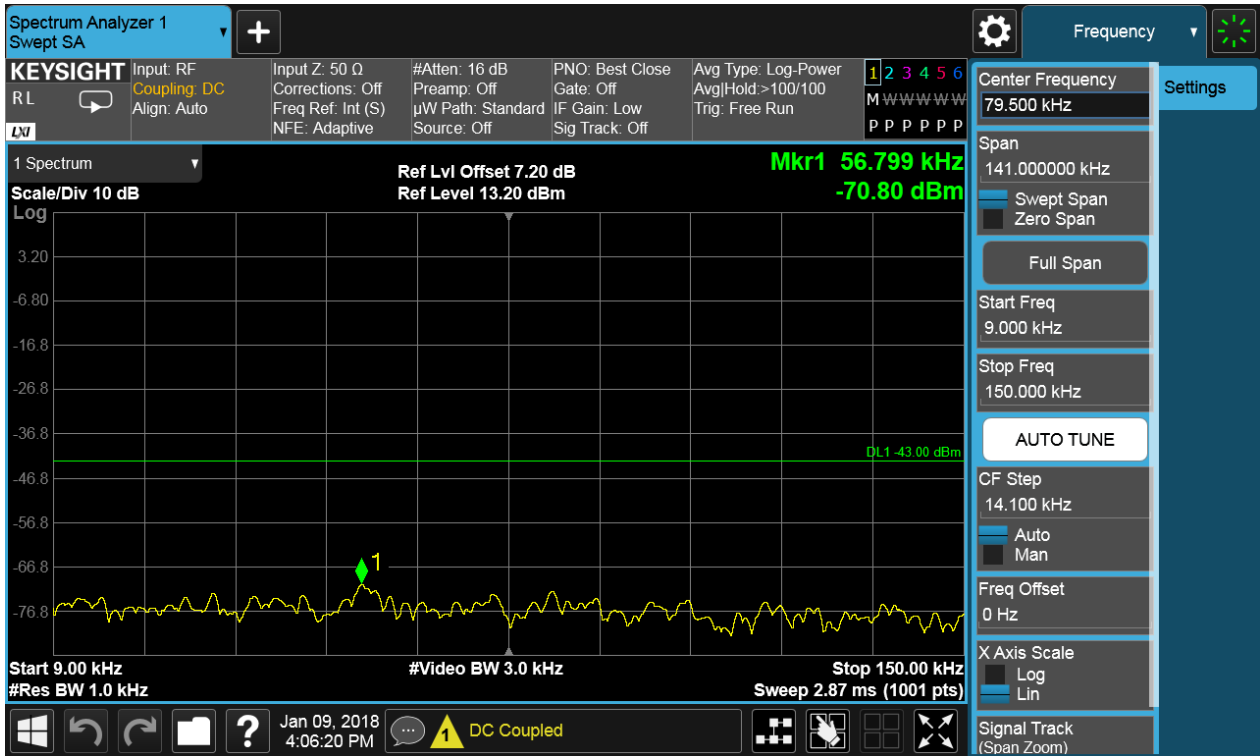


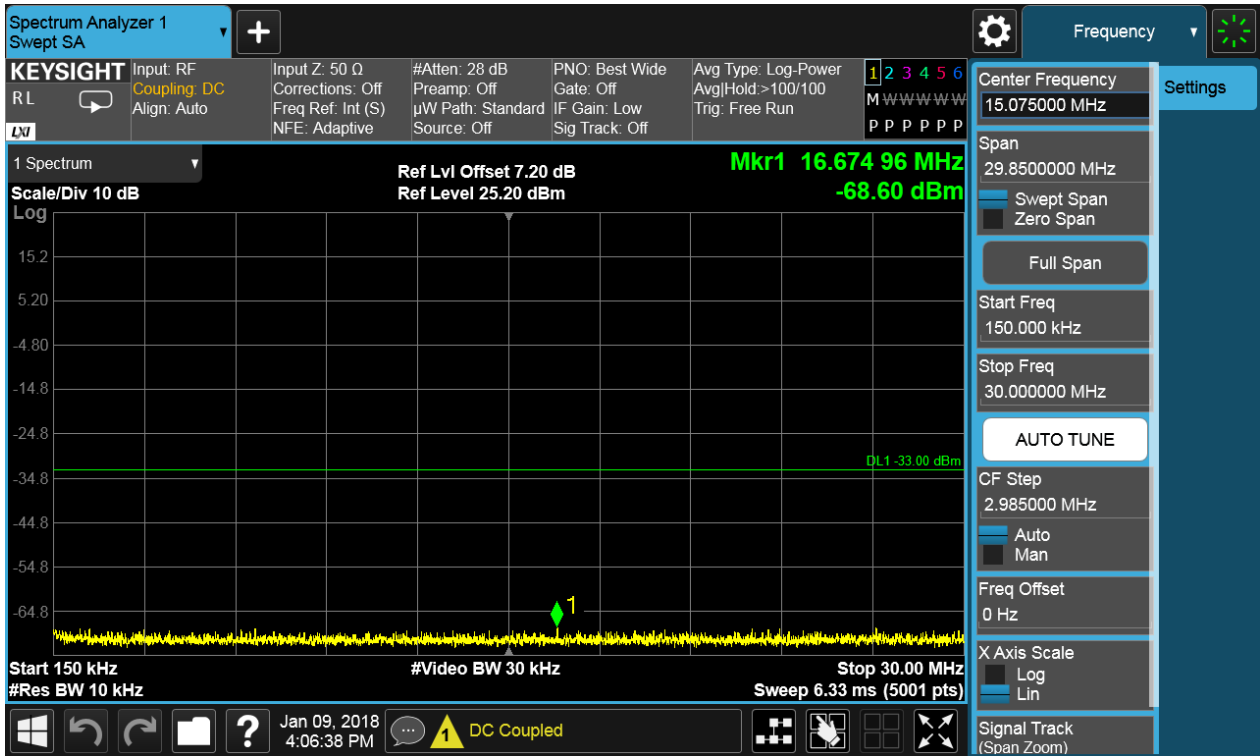


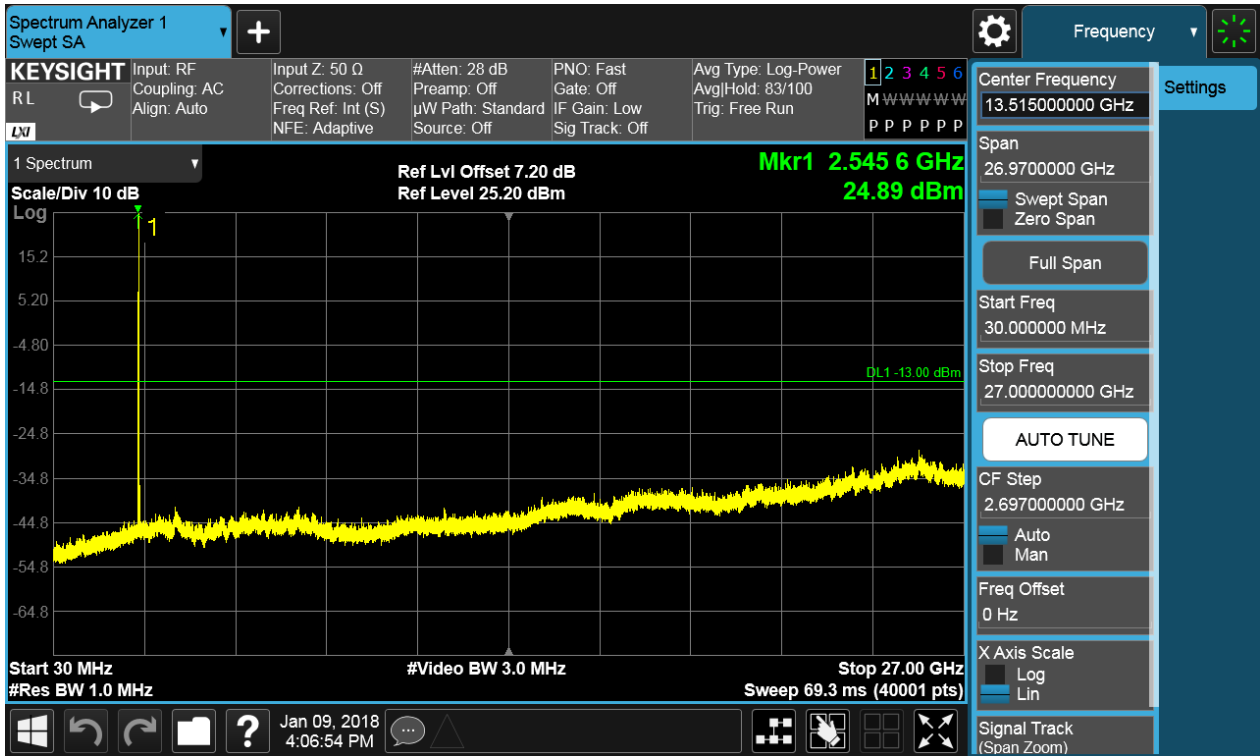
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

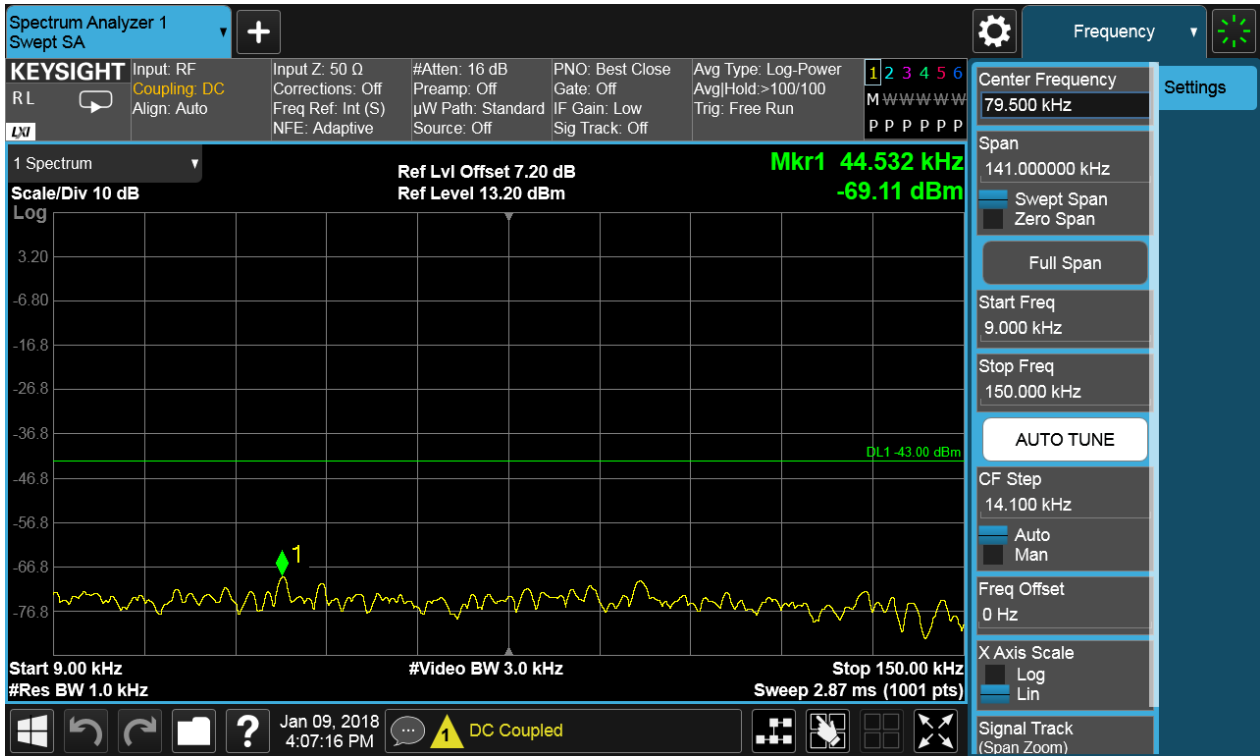


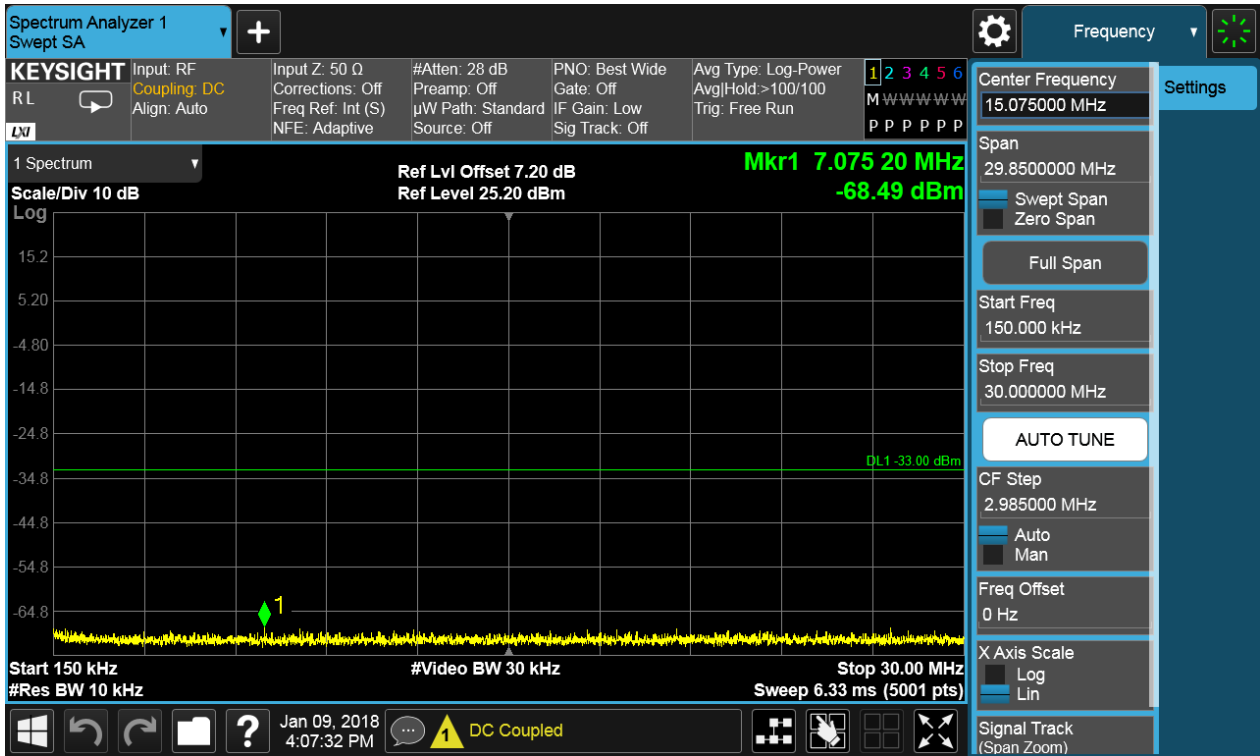


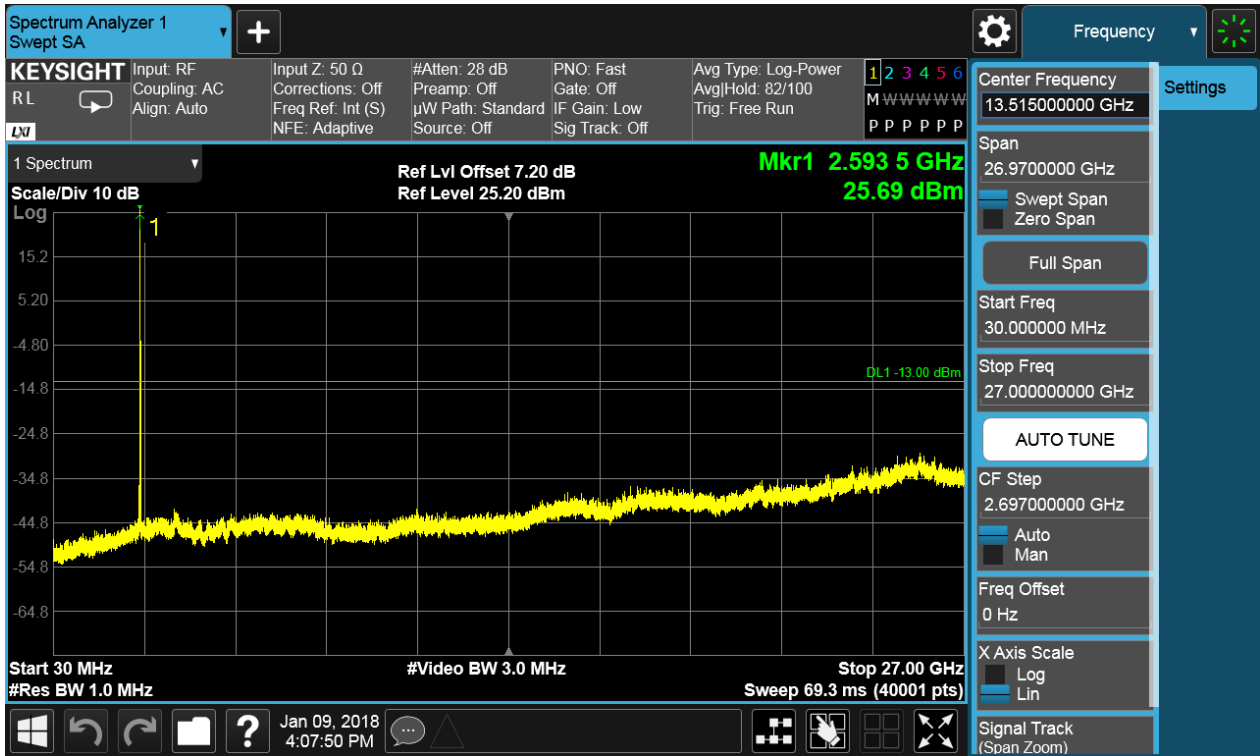


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

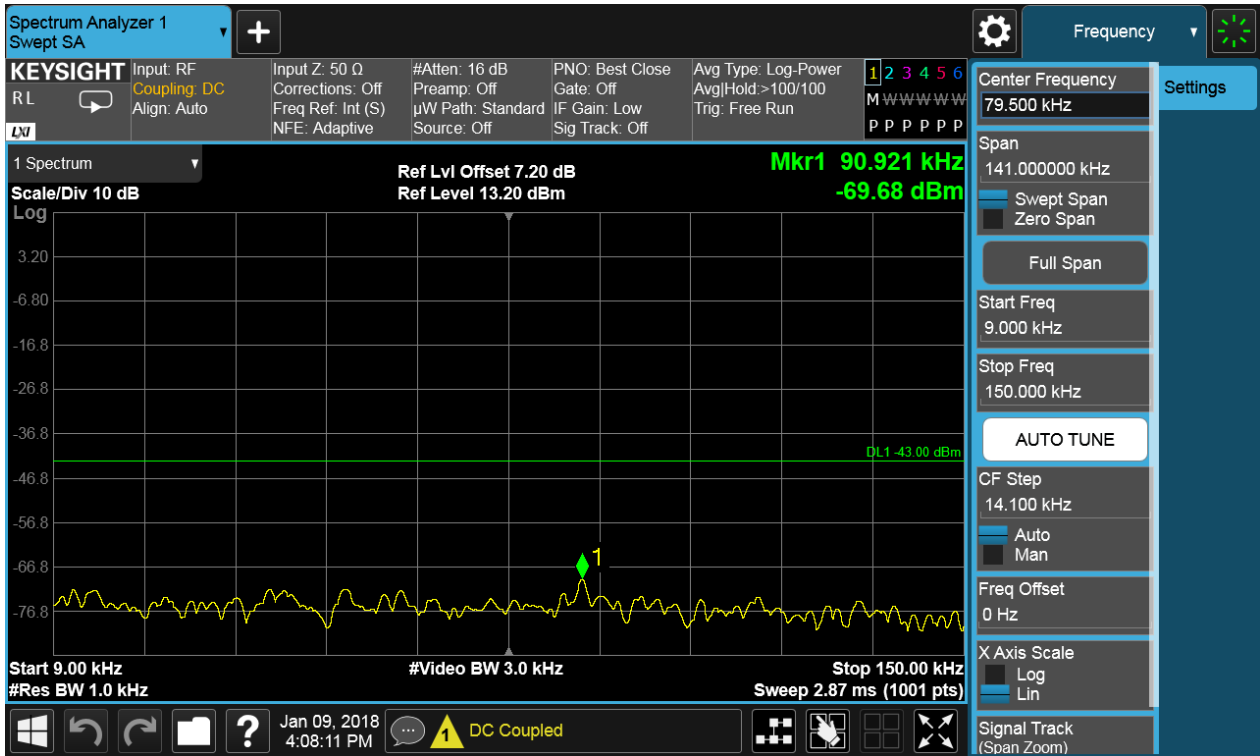


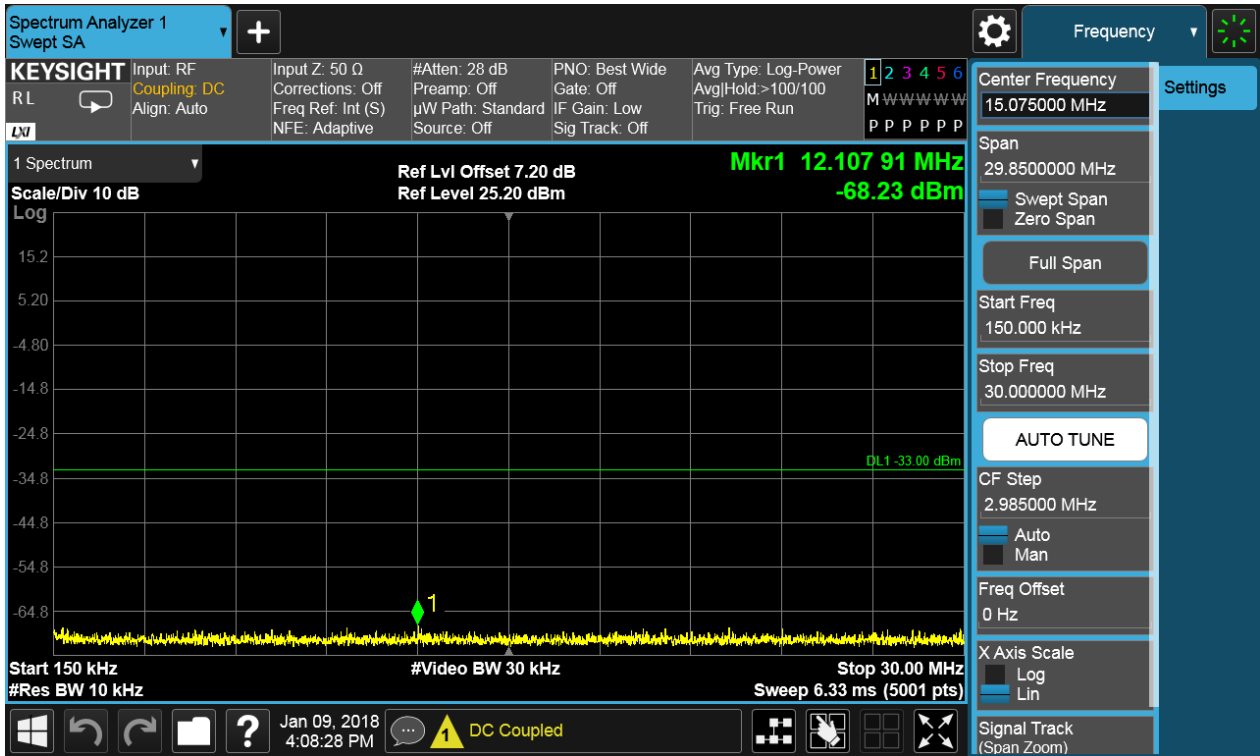


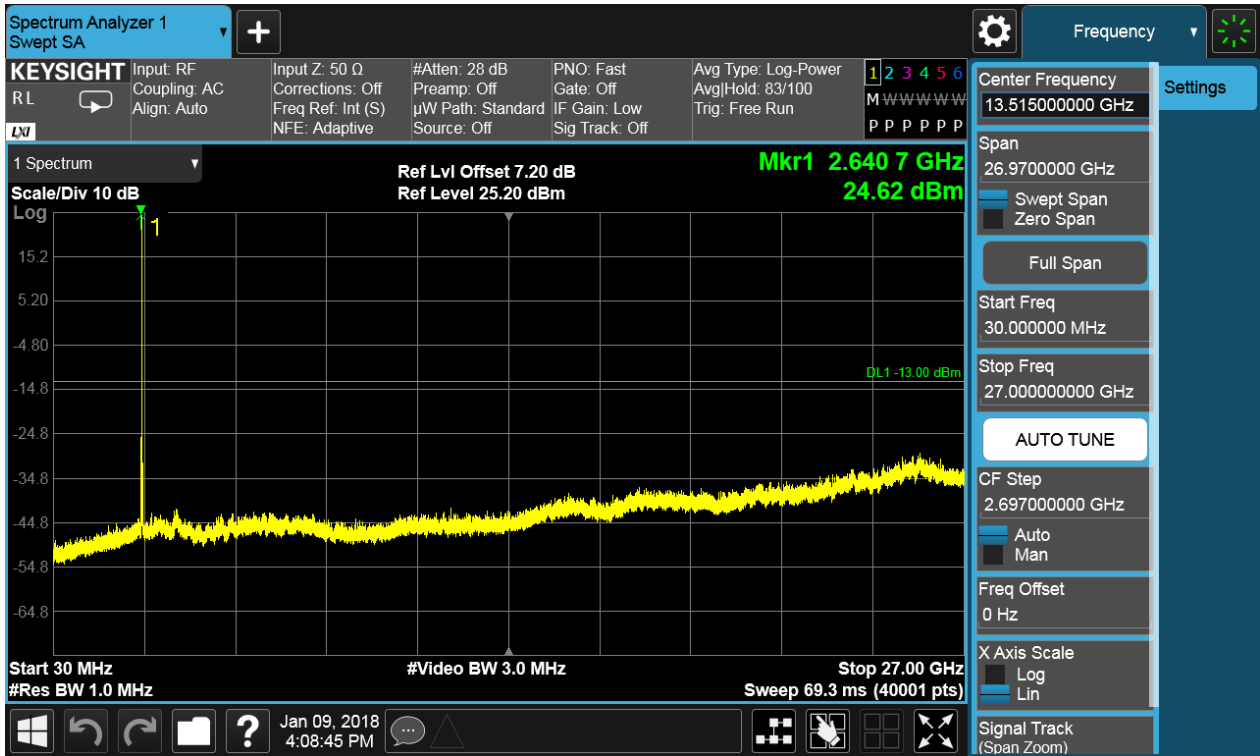


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



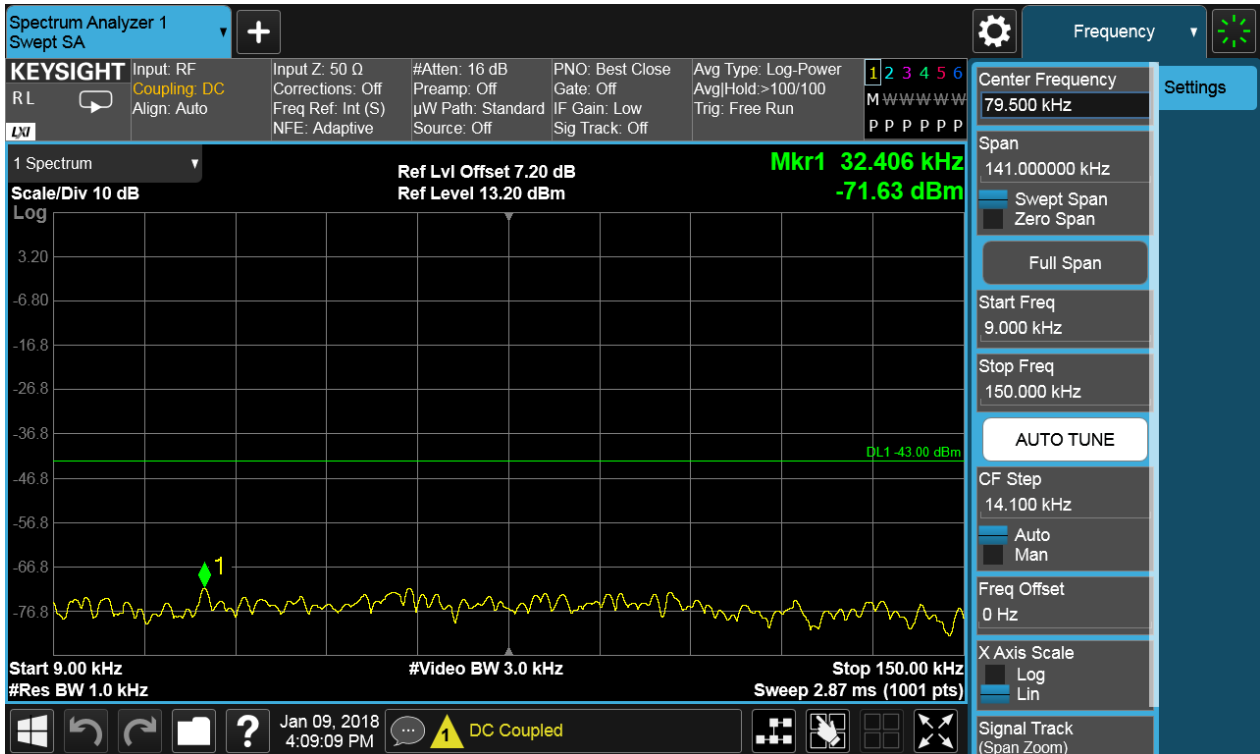


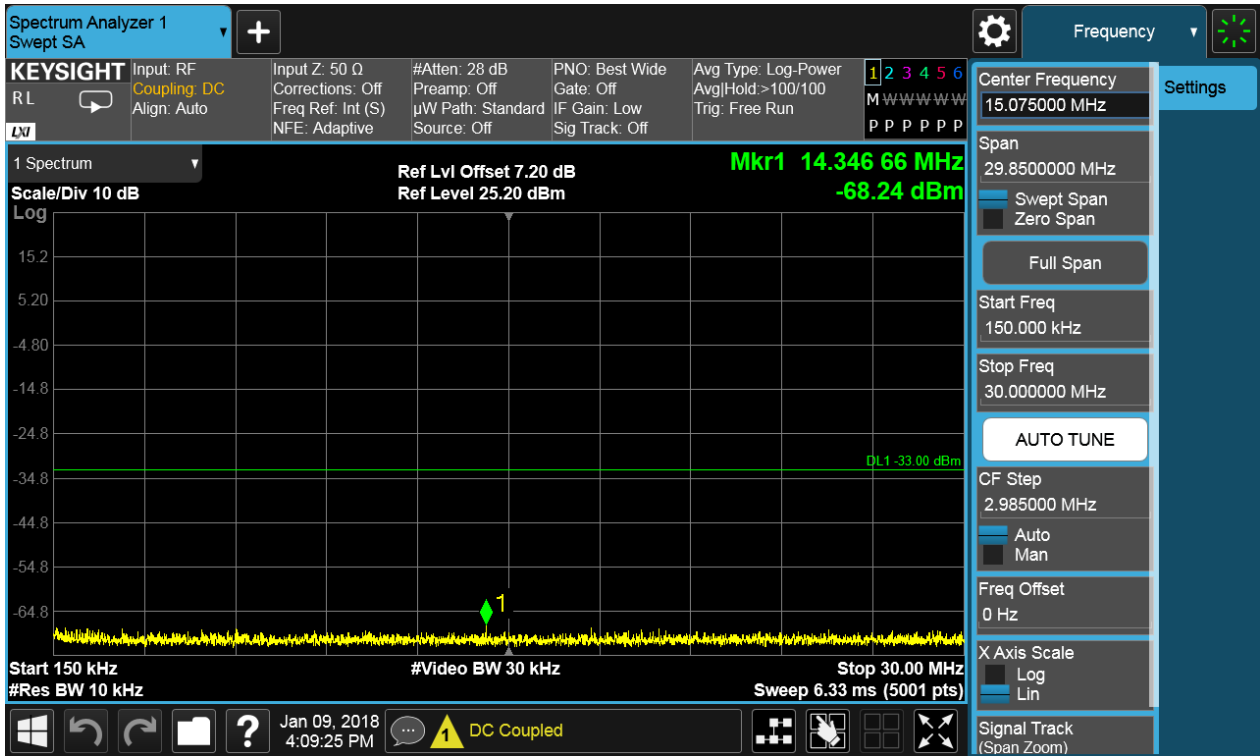


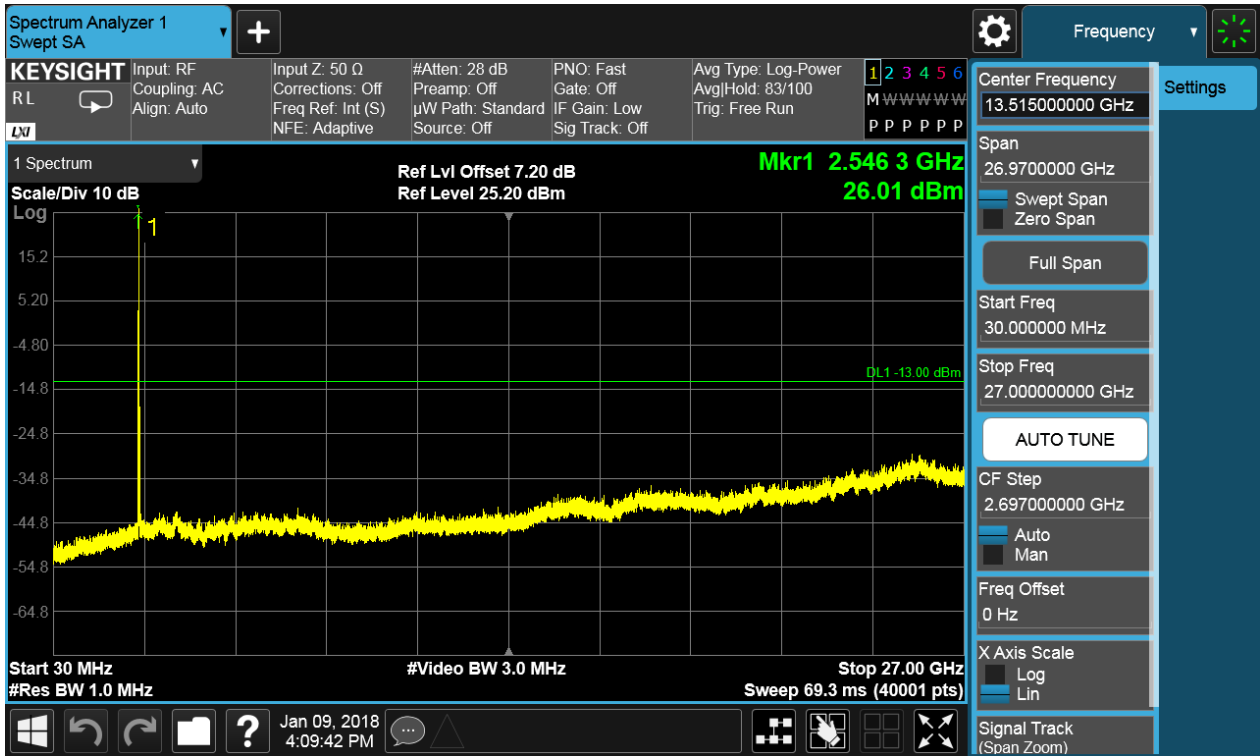
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

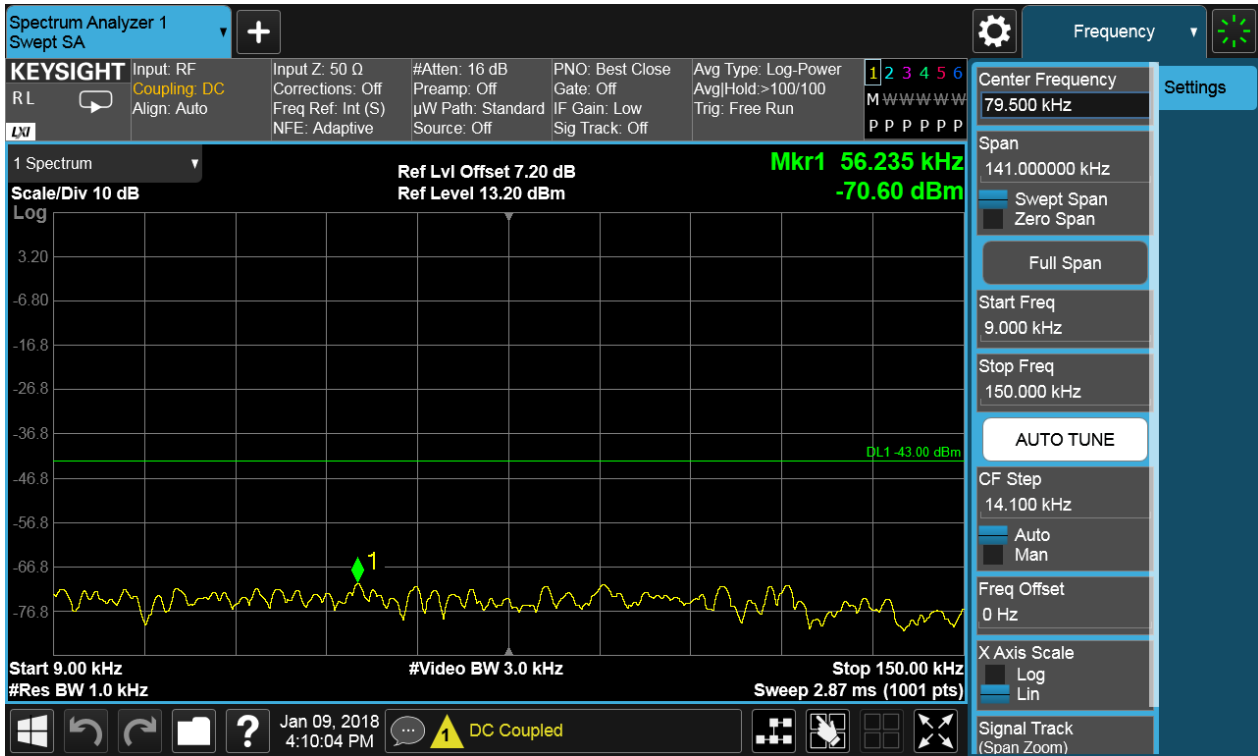


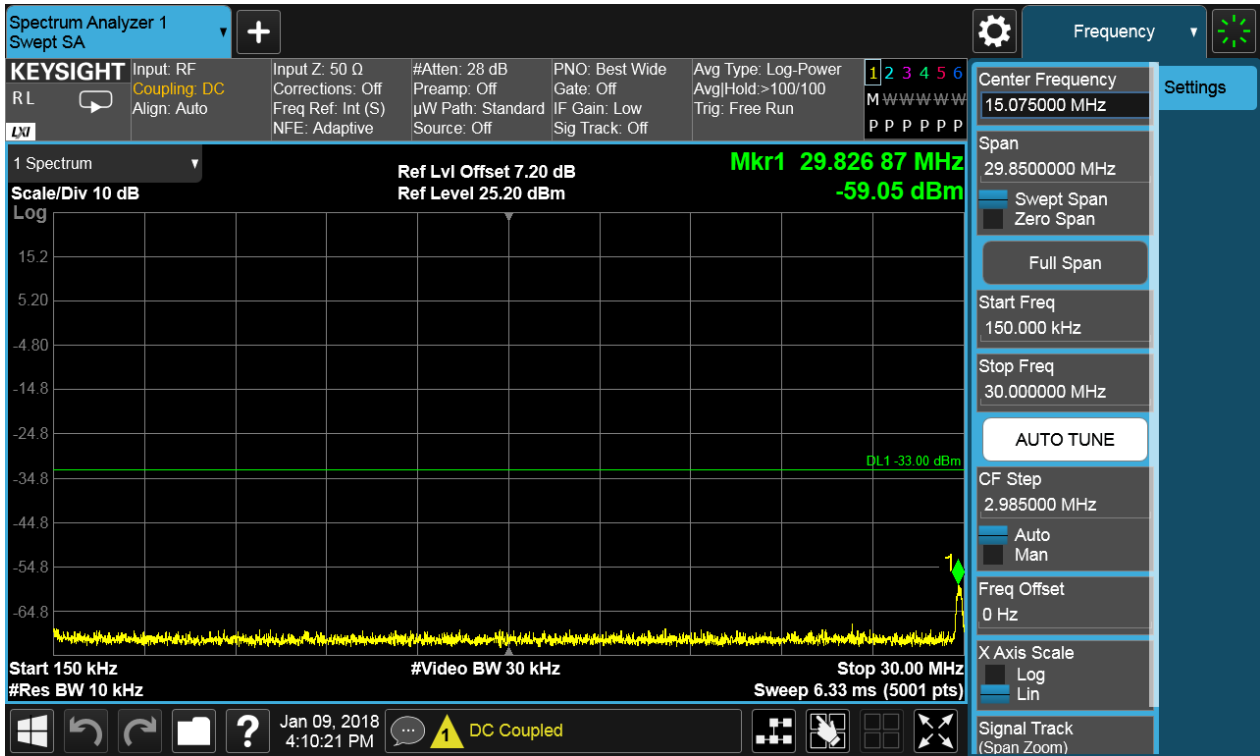


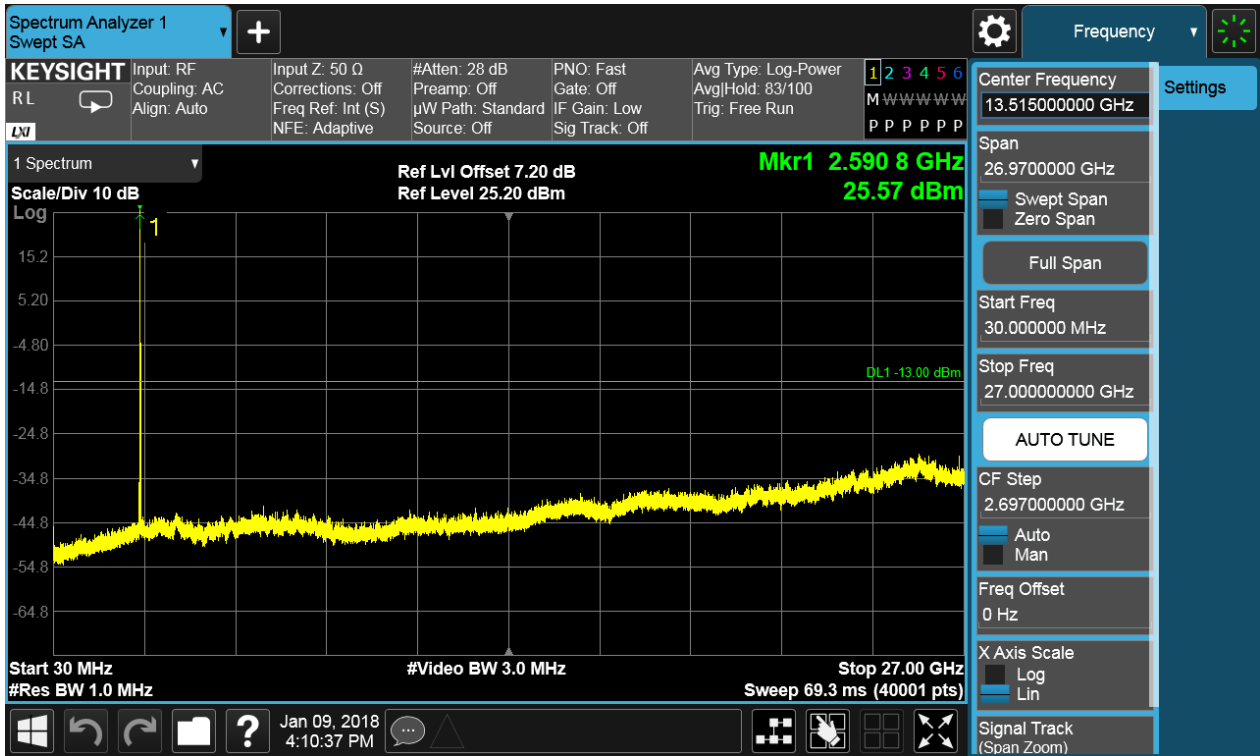


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

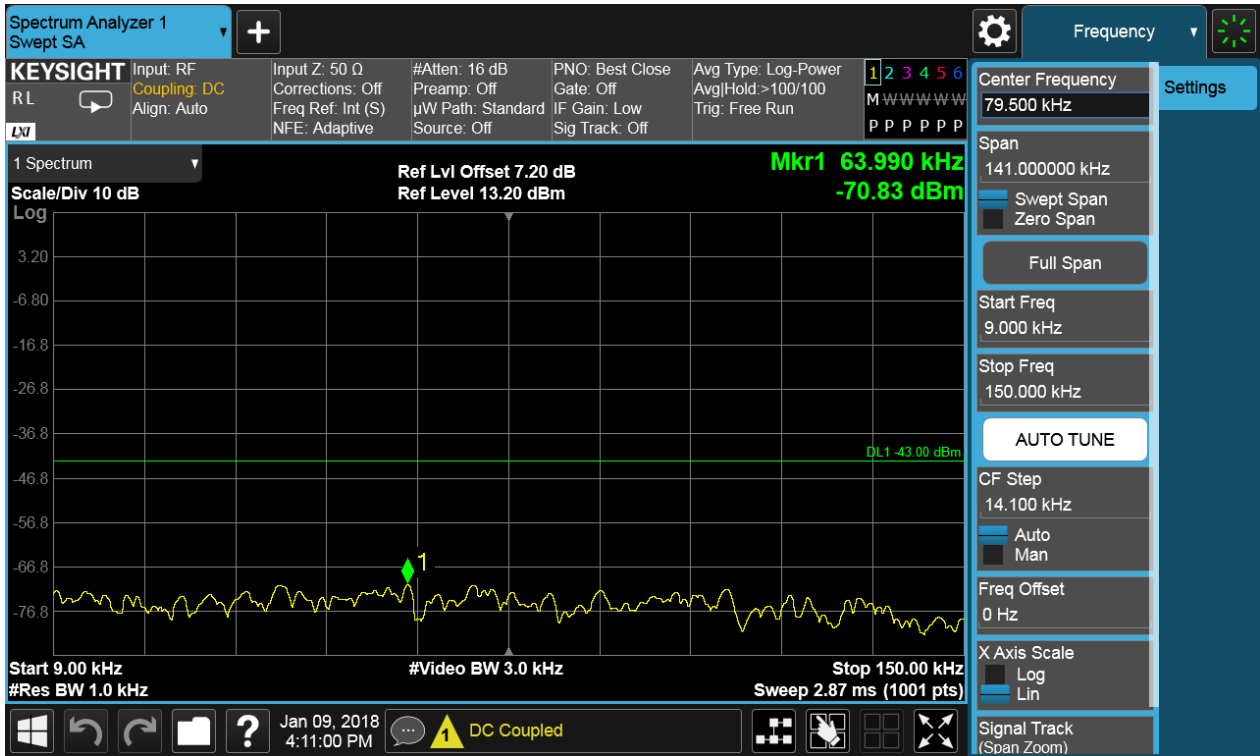


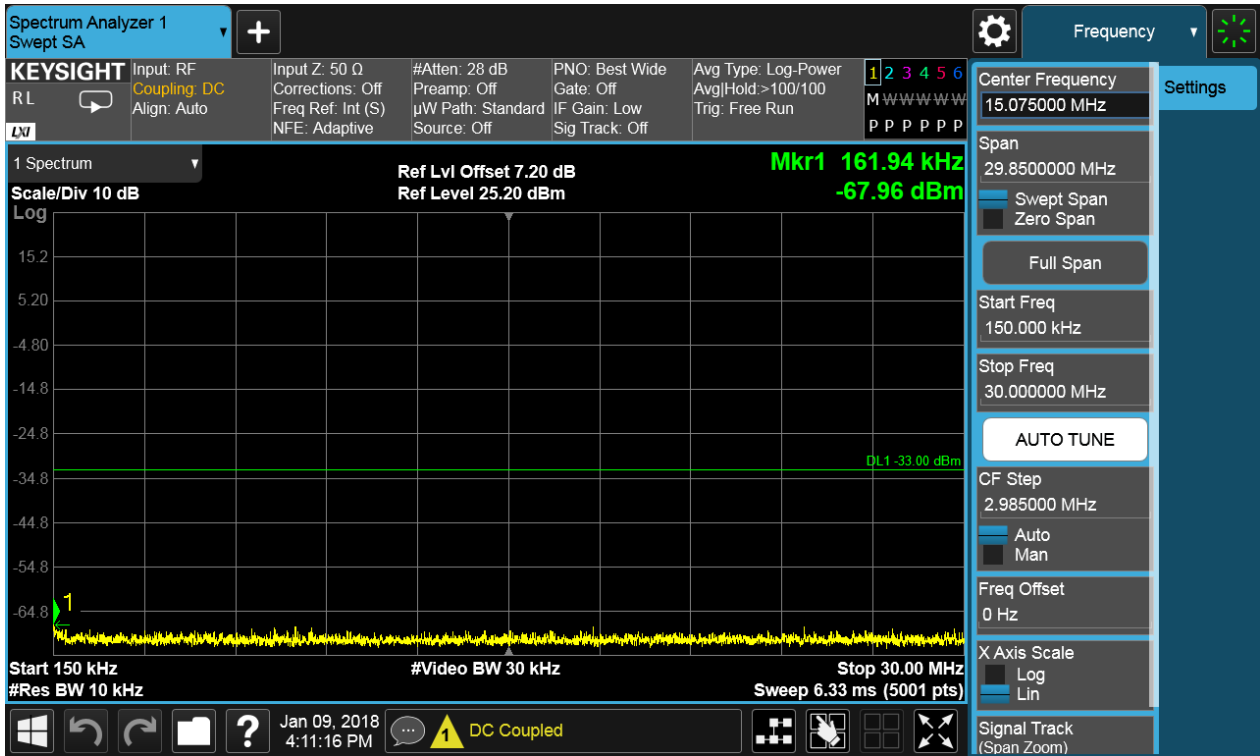


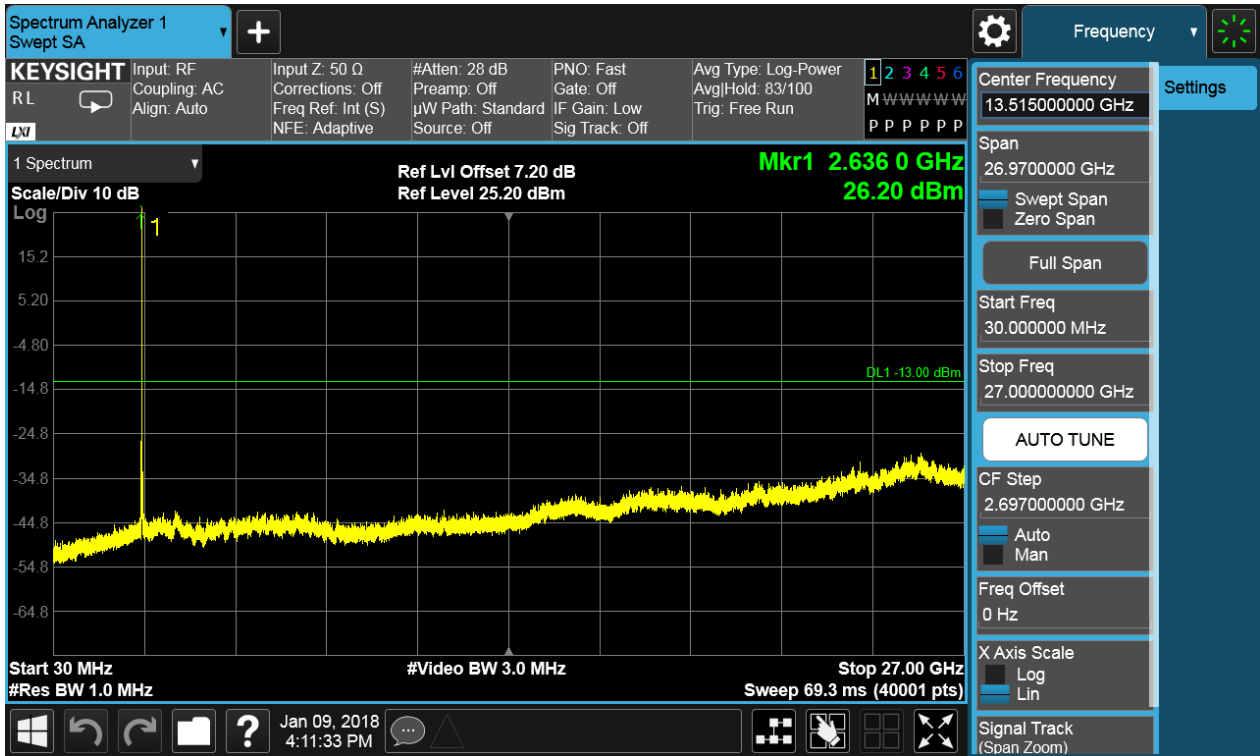


6.1.1.2.4.3 Test Channel = HCH

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

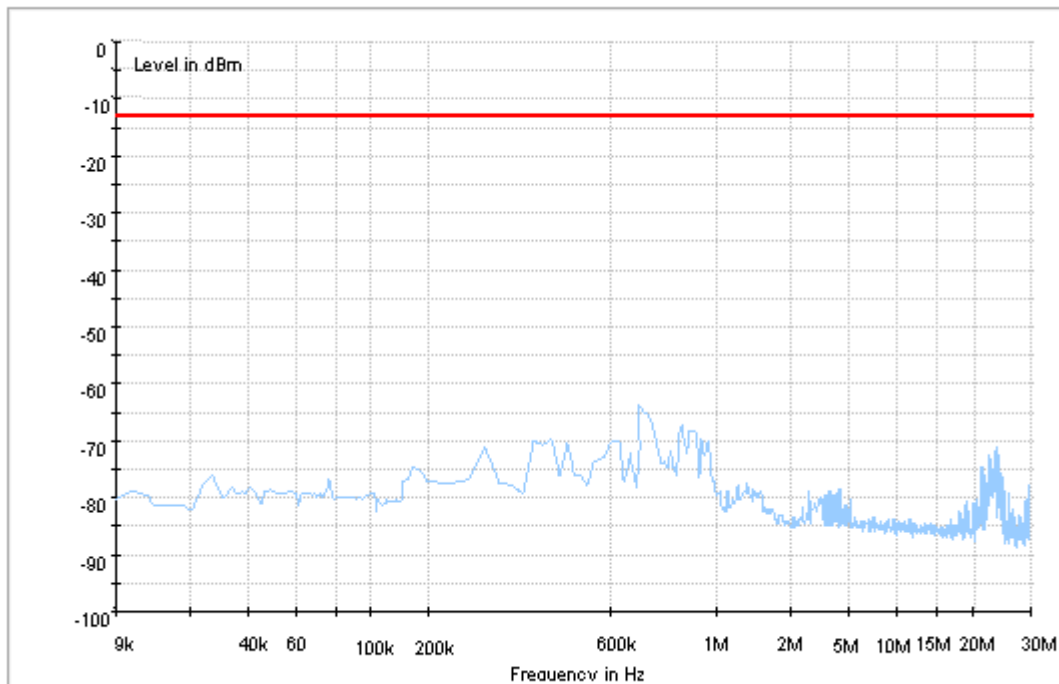
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

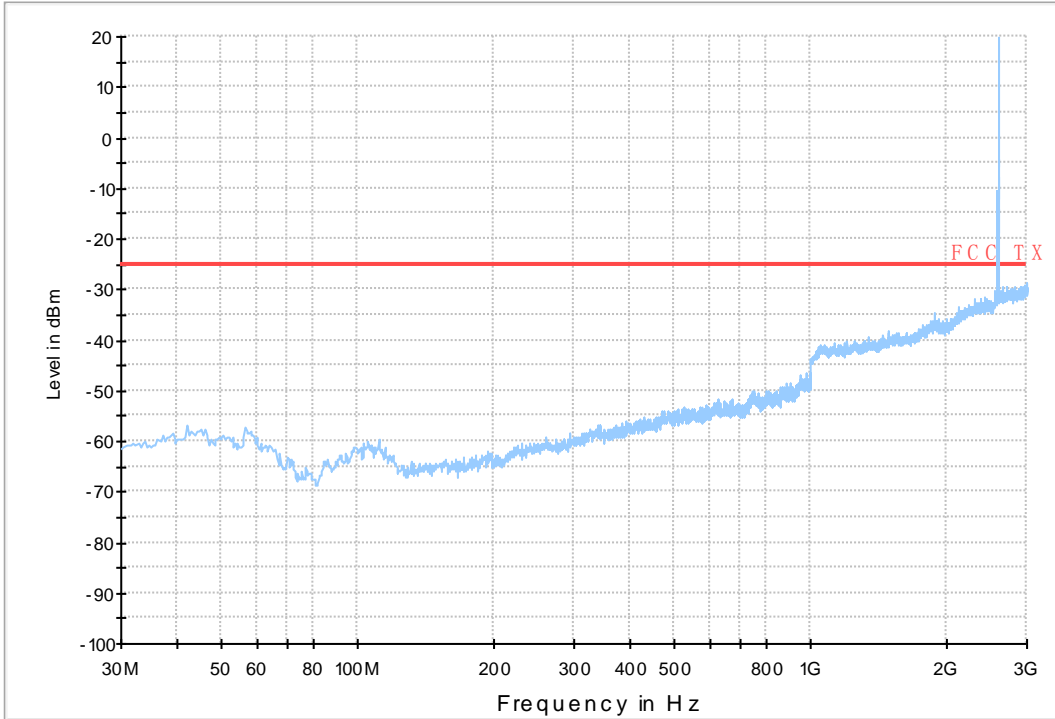
7.1 For LTE

7.1.1 Test Band = BAND41_ANT1

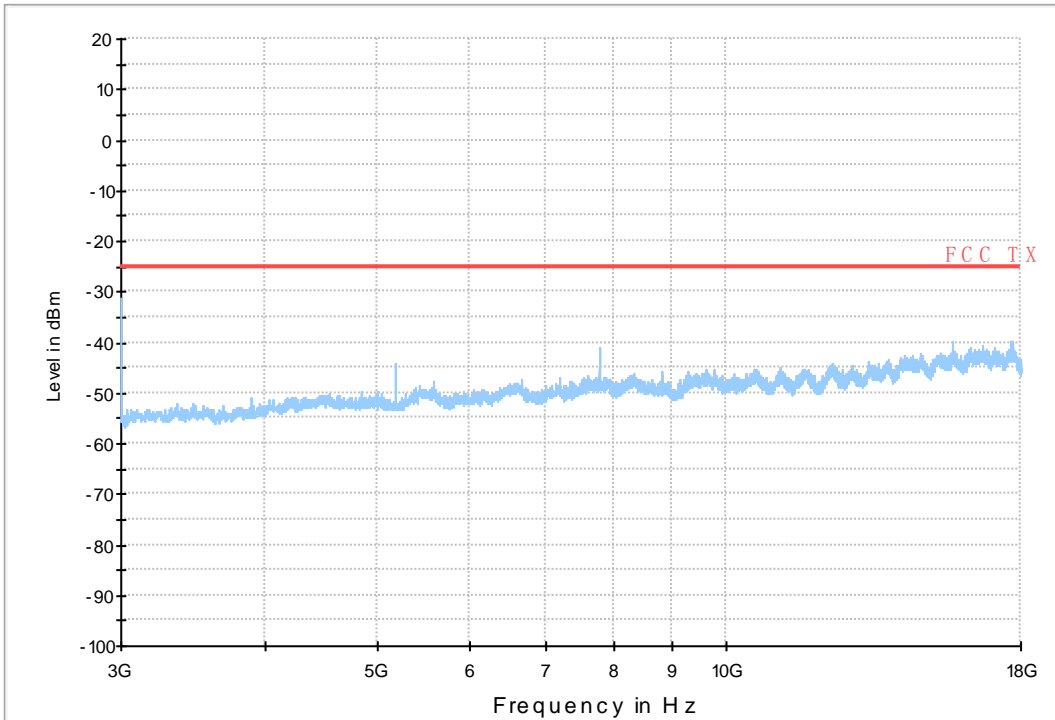
7.1.1.1 Test Bandwidth = 5

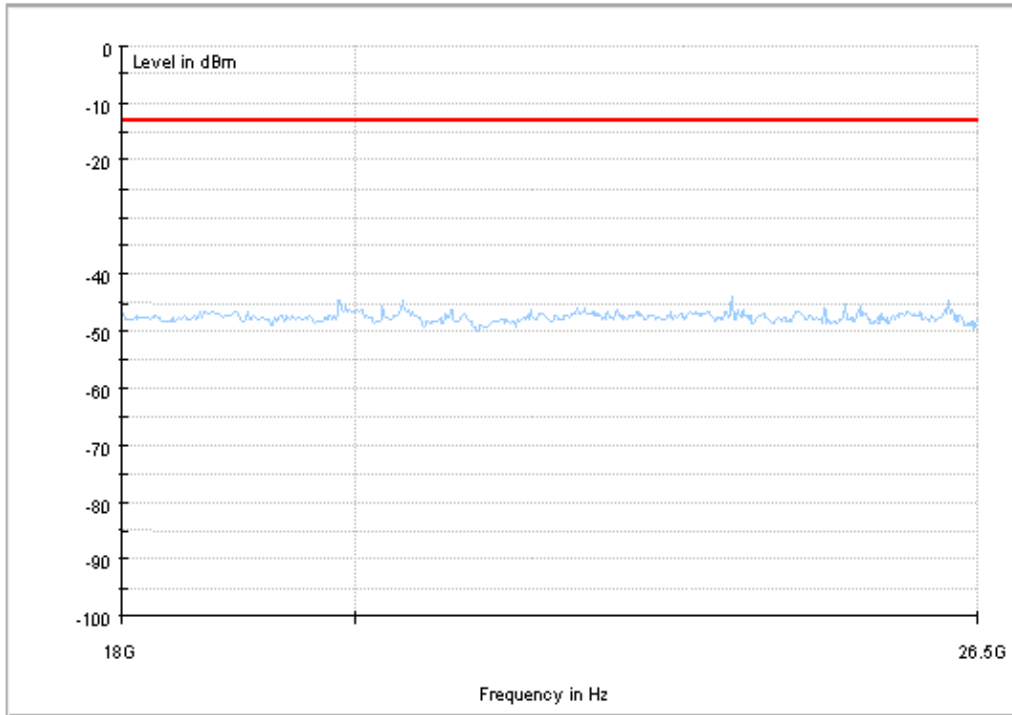


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

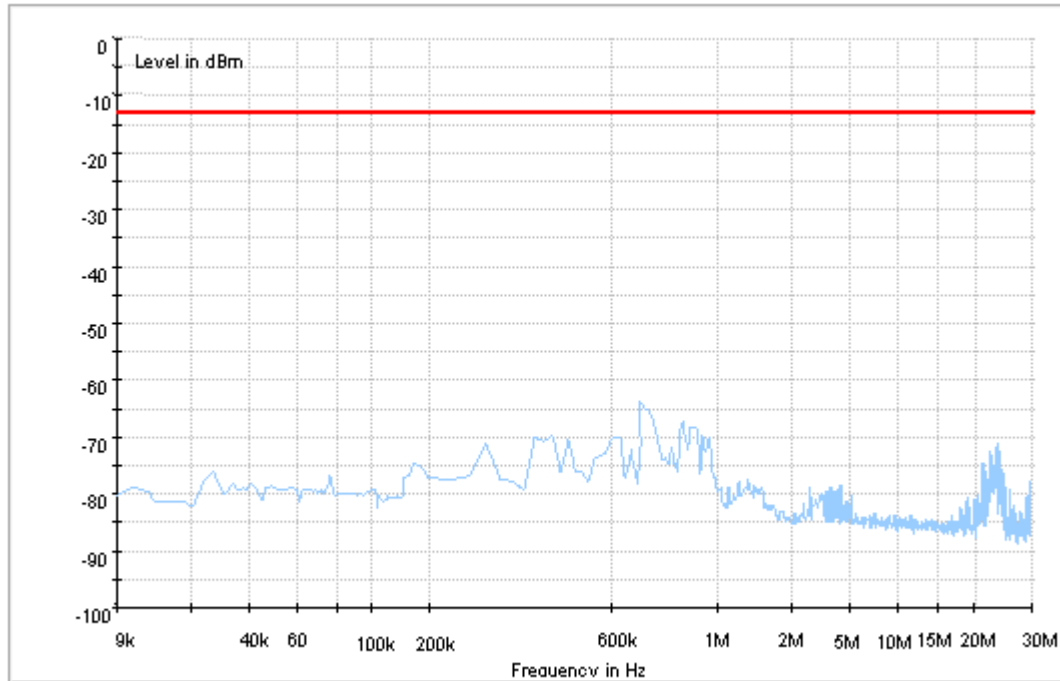


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

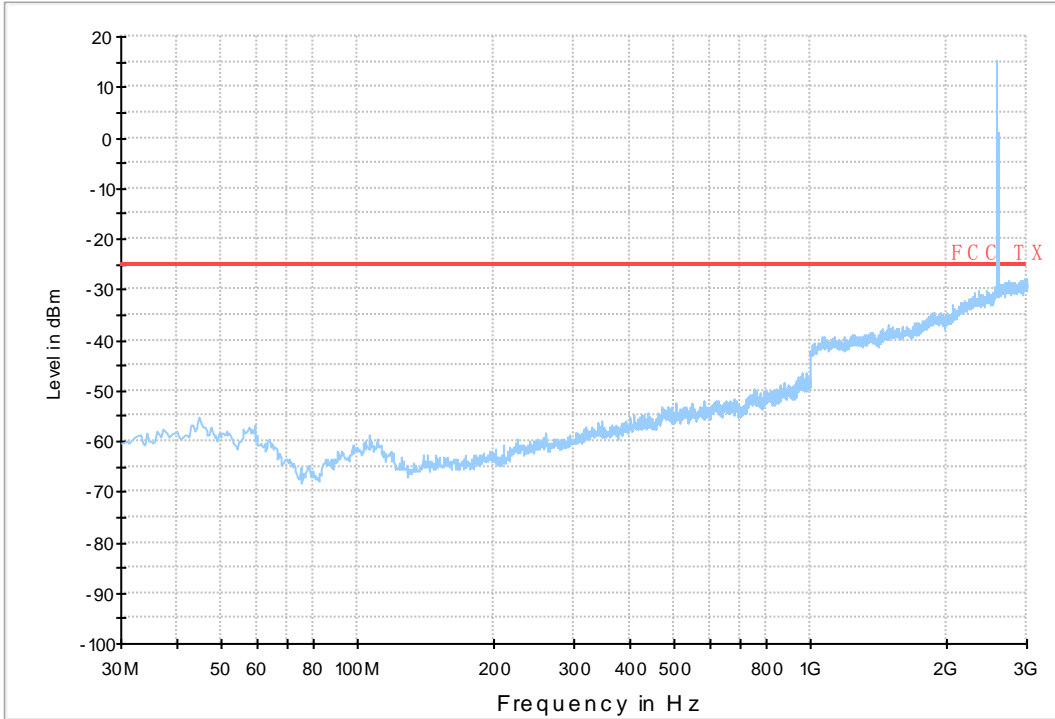




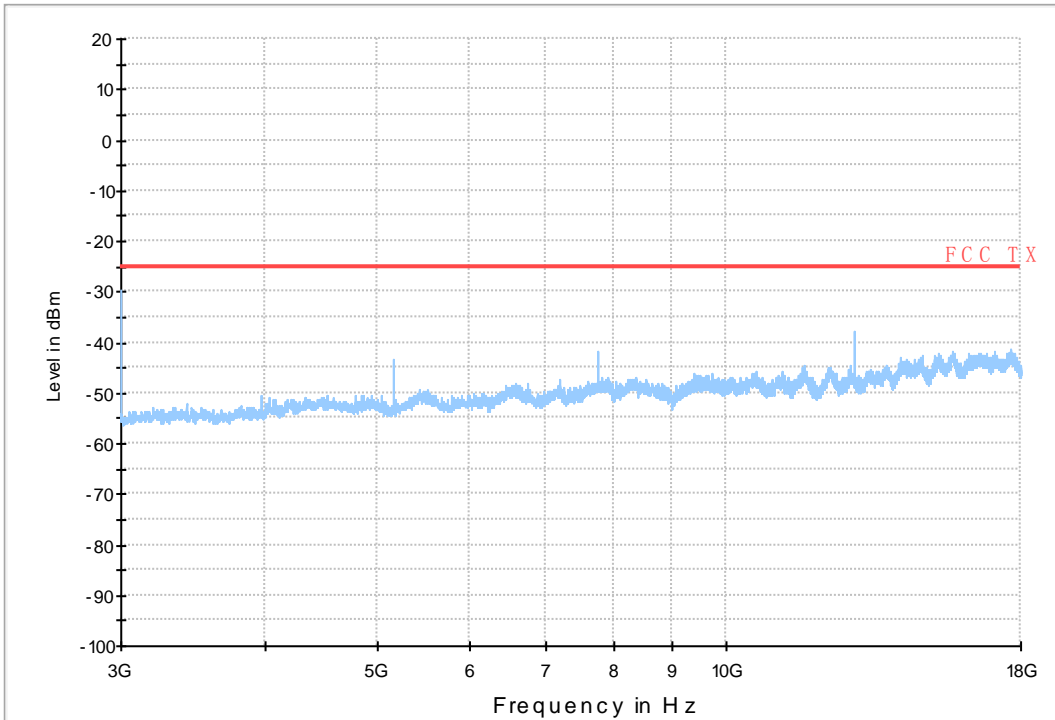
7.1.1.2 Test Bandwidth = 20

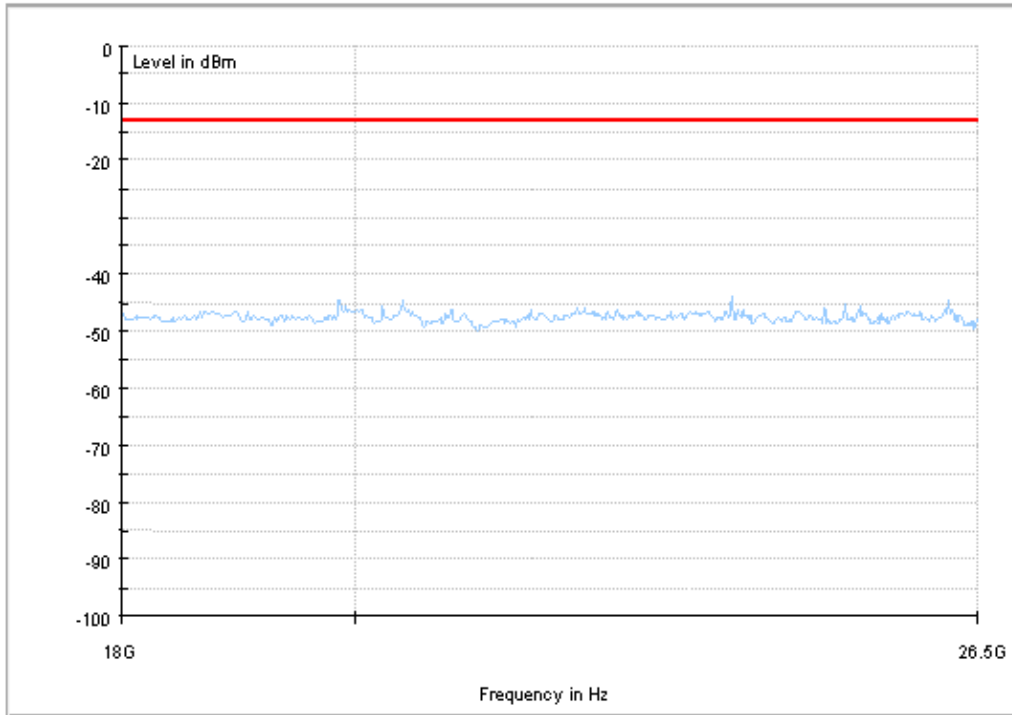


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



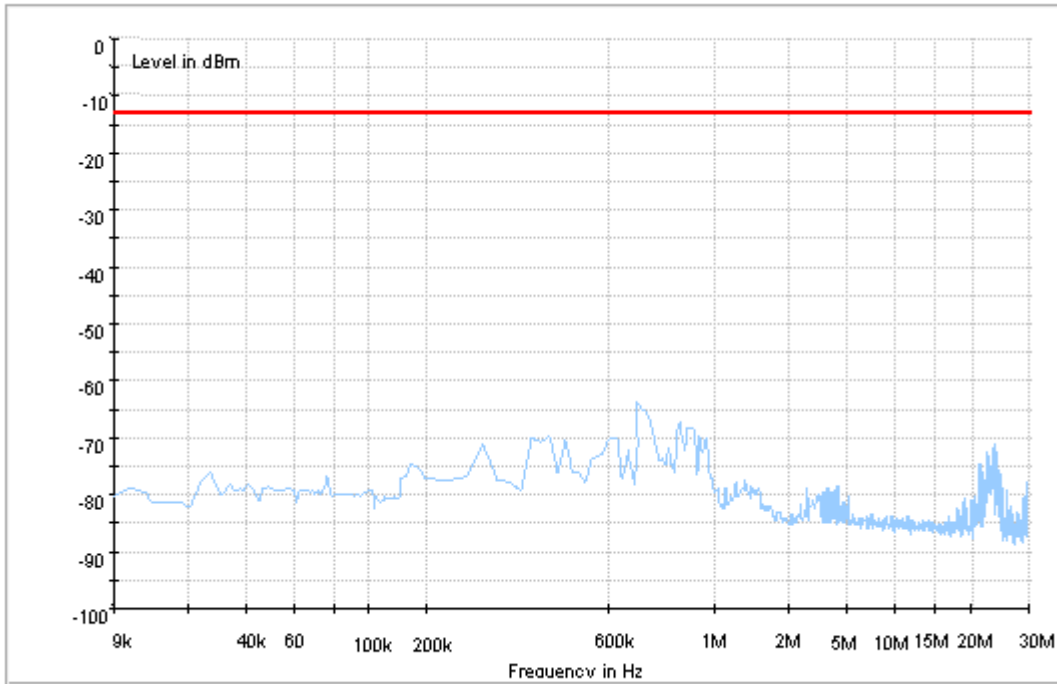
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



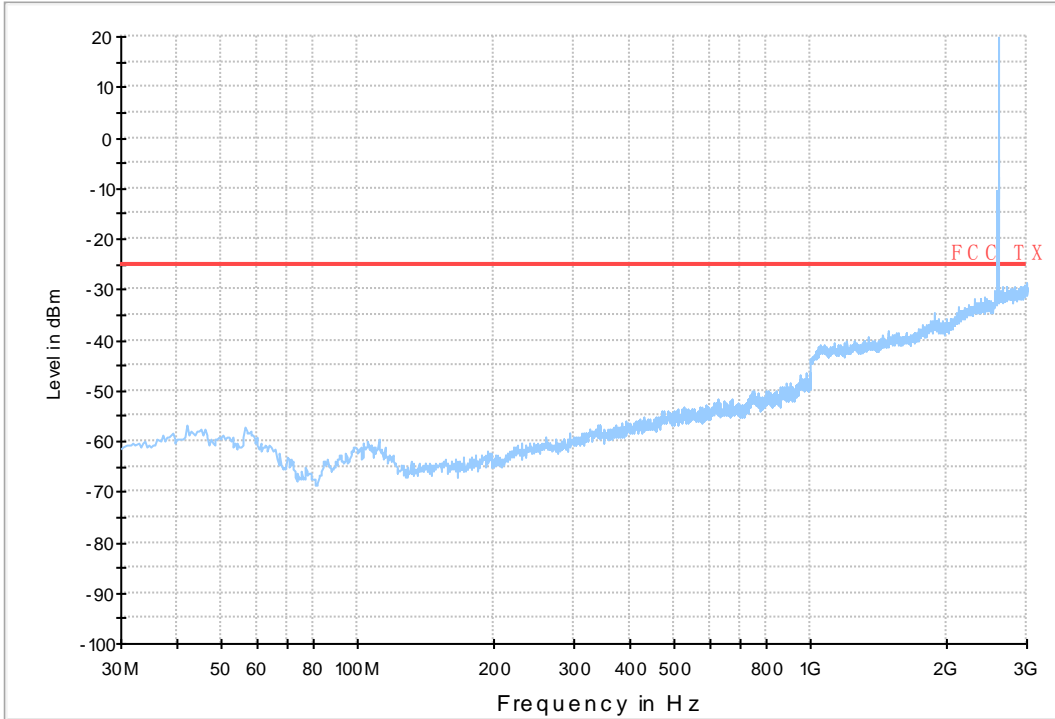


7.1.2 Test Band = BAND41_ANT2

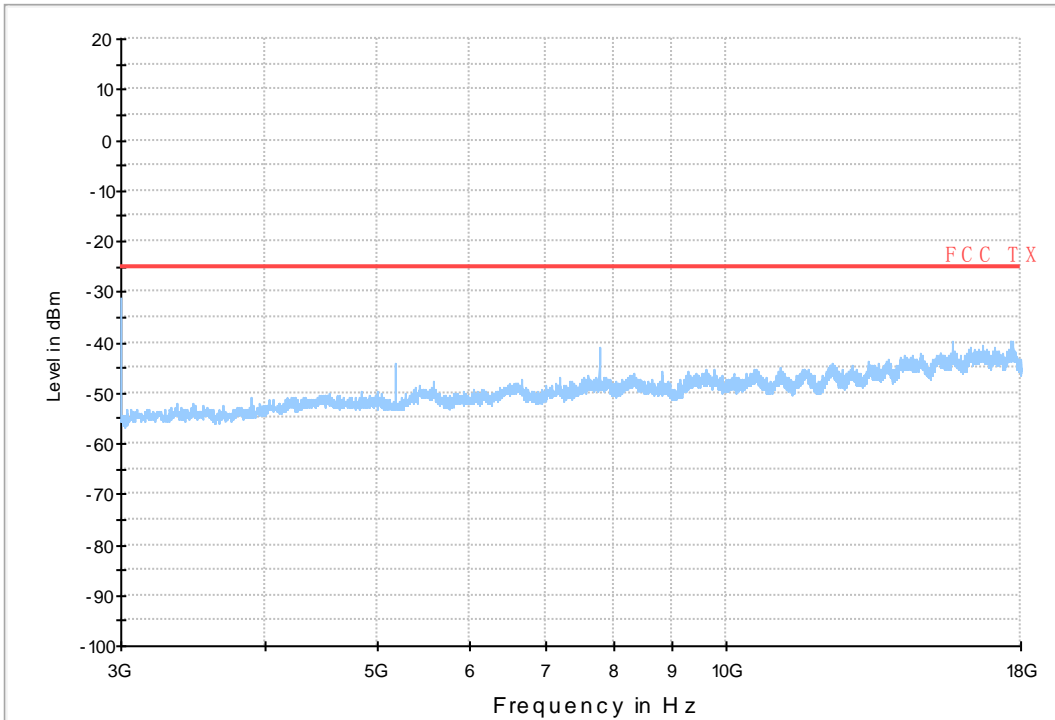
7.1.2.1 Test Bandwidth = 5

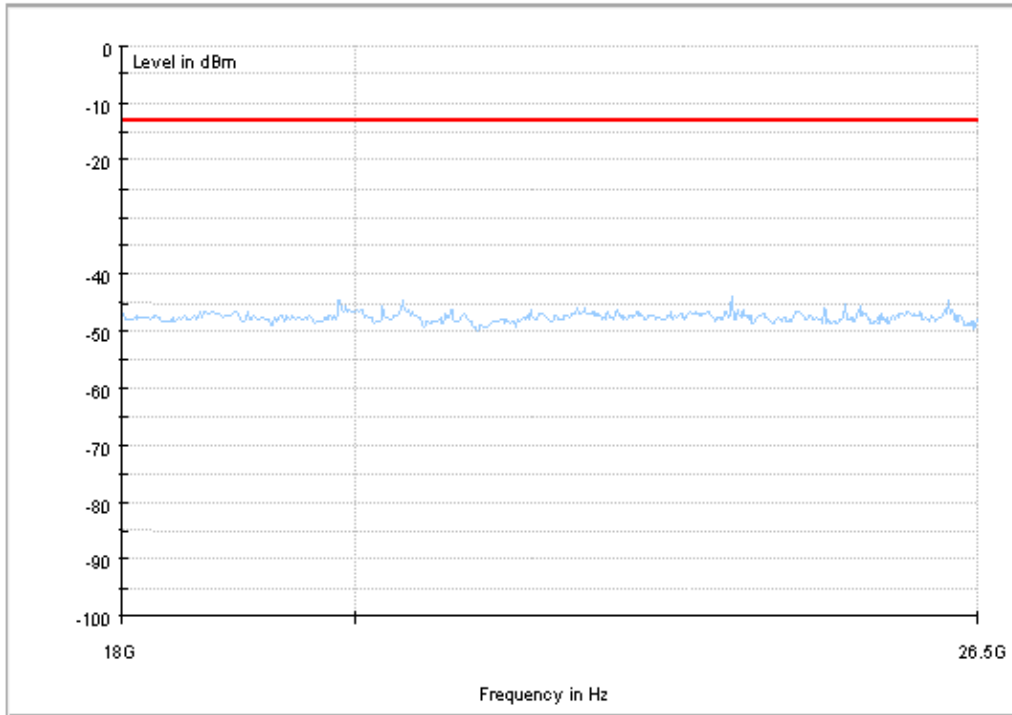


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

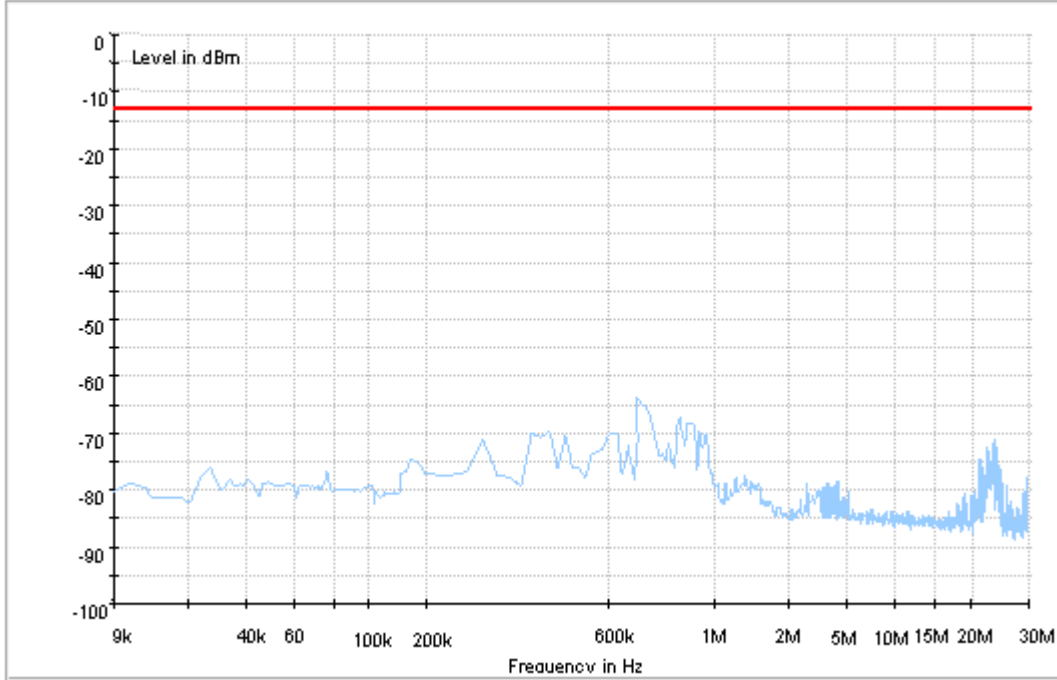


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

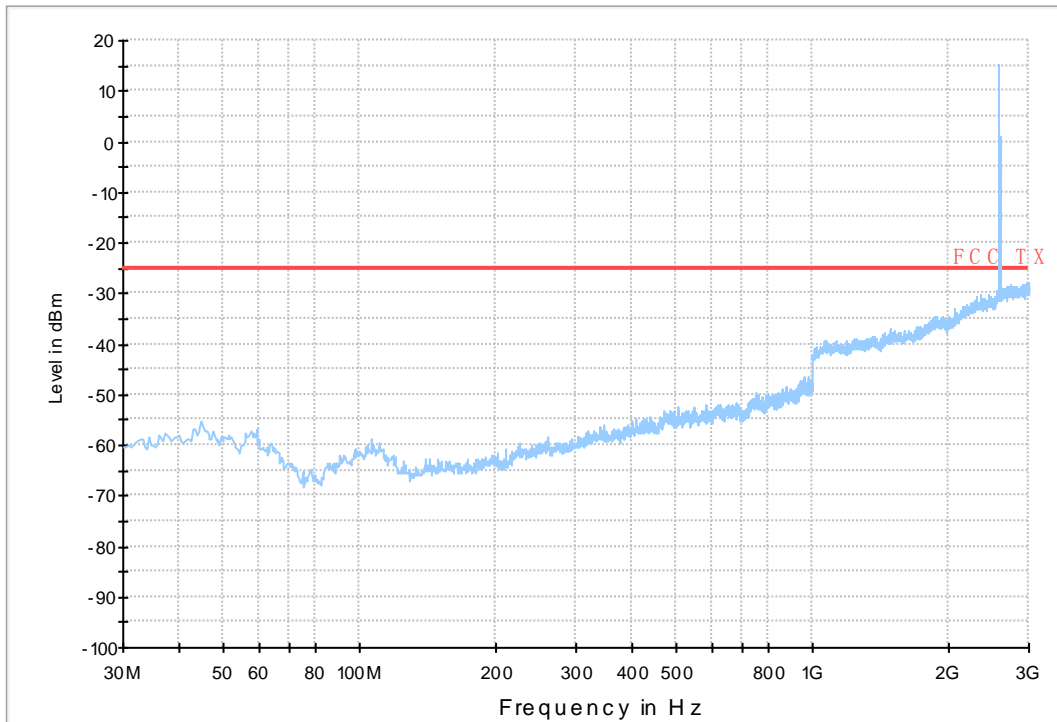




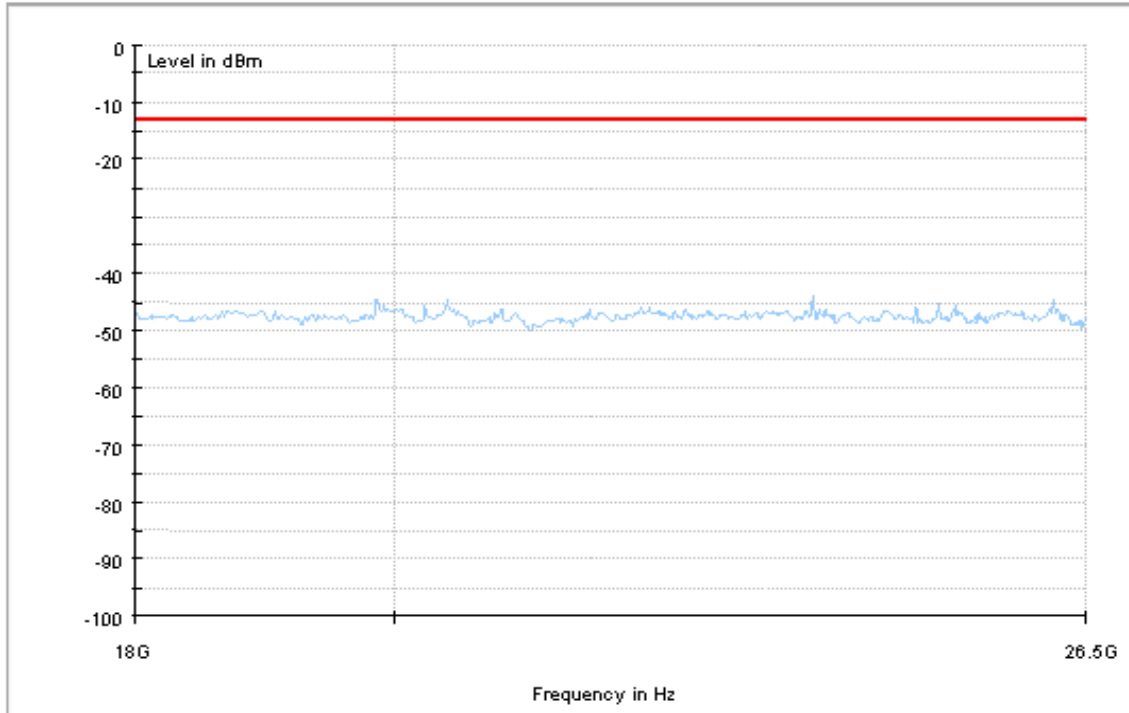
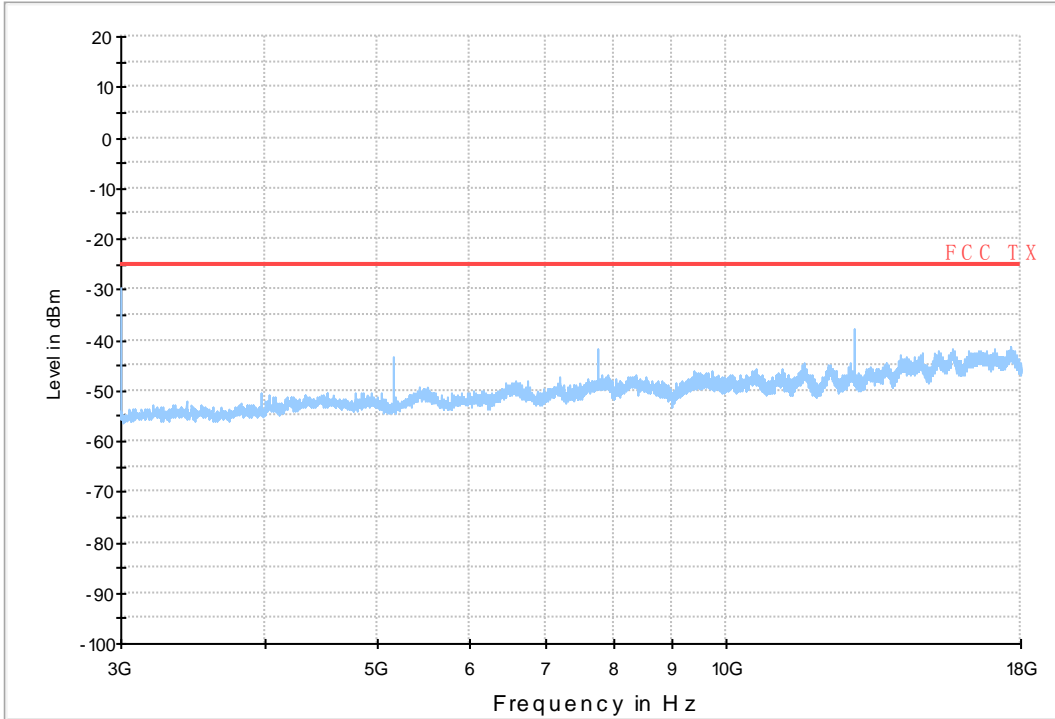
7.1.2.2 Test Bandwidth = 20



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
BAND41	LTE/TM1	5	LCH	TN	VL	-14.69	-0.00577	PASS
					VN	-15.86	-0.00623	PASS
					VH	-19.60	-0.00769	PASS
			MCH	TN	VL	-33.20	-0.01277	PASS
					VN	-34.30	-0.01319	PASS
					VH	-31.66	-0.01218	PASS
			HCH	TN	VL	-21.79	-0.00821	PASS
					VN	-20.99	-0.00791	PASS
					VH	-29.20	-0.01101	PASS
		10	LCH	TN	VL	-21.93	-0.0086	PASS
					VN	-22.29	-0.00874	PASS
					VH	-25.73	-0.01009	PASS
			MCH	TN	VL	-27.04	-0.0104	PASS
					VN	-25.69	-0.00988	PASS
					VH	-23.59	-0.00907	PASS
			HCH	TN	VL	-13.69	-0.00517	PASS
					VN	-15.61	-0.00589	PASS
					VH	-19.96	-0.00753	PASS
		15	LCH	TN	VL	-20.04	-0.00785	PASS
					VN	-25.59	-0.01003	PASS
					VH	-24.33	-0.00953	PASS
			MCH	TN	VL	-18.14	-0.00698	PASS
					VN	-19.54	-0.00752	PASS
					VH	-22.19	-0.00853	PASS
HCH	TN		VL	-12.06	-0.00456	PASS		
			VN	-17.61	-0.00665	PASS		
			VH	-16.35	-0.00618	PASS		
20	LCH	TN	VL	-17.68	-0.00692	PASS		
			VN	-22.77	-0.00891	PASS		
			VH	-26.66	-0.01043	PASS		
	MCH	TN	VL	-16.85	-0.00648	PASS		
			VN	-17.09	-0.00657	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
	LTE/TM2	5	HCH	TN	VH	-20.16	-0.00775	PASS	
					VL	-13.80	-0.00522	PASS	
					VN	-14.51	-0.00549	PASS	
					VH	-18.85	-0.00713	PASS	
			LCH	TN	VL	-10.20	-0.004	PASS	
					VN	-15.01	-0.00589	PASS	
					VH	-18.35	-0.0072	PASS	
				MCH	TN	VL	-19.40	-0.00746	PASS
						VN	-22.34	-0.00859	PASS
						VH	-21.27	-0.00818	PASS
			HCH	TN	VL	-18.37	-0.00693	PASS	
					VN	-16.74	-0.00631	PASS	
		VH			-16.88	-0.00636	PASS		
		10		LCH	TN	VL	-18.01	-0.00706	PASS
						VN	-20.34	-0.00798	PASS
						VH	-19.35	-0.00759	PASS
			MCH	TN	VL	-21.64	-0.00832	PASS	
					VN	-21.54	-0.00828	PASS	
					VH	-20.21	-0.00777	PASS	
		HCH	TN	VL	-13.12	-0.00495	PASS		
				VN	-19.04	-0.00718	PASS		
				VH	-18.11	-0.00683	PASS		
		15	LCH	TN	VL	-17.84	-0.00699	PASS	
					VN	-19.57	-0.00767	PASS	
					VH	-19.58	-0.00767	PASS	
			MCH	TN	VL	-18.24	-0.00702	PASS	
					VN	-17.29	-0.00665	PASS	
					VH	-17.15	-0.0066	PASS	
			HCH	TN	VL	-12.17	-0.0046	PASS	
					VN	-16.67	-0.0063	PASS	
					VH	-15.39	-0.00581	PASS	
		20	LCH	TN	VL	-17.19	-0.00673	PASS	
					VN	-22.13	-0.00866	PASS	
					VH	-22.96	-0.00899	PASS	
			MCH	TN	VL	-18.27	-0.00703	PASS	
					VN	-17.58	-0.00676	PASS	
					VH	-17.51	-0.00673	PASS	
			HCH	TN	VL	-12.72	-0.00481	PASS	
					VN	-16.32	-0.00617	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-17.55	-0.00664	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
BAND41	LTE/TM1	5	LCH	VN	-30	-16.92	-0.00664	PASS
					-20	-19.86	-0.0078	PASS
					-10	-23.27	-0.00913	PASS
					0	-21.43	-0.00841	PASS
					10	-20.63	-0.0081	PASS
					20	-19.45	-0.00763	PASS
					30	-21.30	-0.00836	PASS
					40	-19.45	-0.00763	PASS
					50	-23.15	-0.00909	PASS
			MCH	VN	-30	-18.53	-0.00713	PASS
					-20	-15.19	-0.00584	PASS
					-10	-17.97	-0.00691	PASS
					0	-14.46	-0.00556	PASS
					10	-15.15	-0.00583	PASS
					20	-11.39	-0.00438	PASS
					30	-17.14	-0.00659	PASS
					40	-16.57	-0.00637	PASS
					50	-17.31	-0.00666	PASS
		HCH	VN	-30	-12.49	-0.00471	PASS	
				-20	-13.78	-0.0052	PASS	
				-10	-14.28	-0.00538	PASS	
				0	-17.41	-0.00656	PASS	
				10	-12.46	-0.0047	PASS	
				20	-15.88	-0.00599	PASS	
				30	-16.21	-0.00611	PASS	
				40	-11.93	-0.0045	PASS	
				50	-16.12	-0.00608	PASS	
		10	LCH	VN	-30	-13.55	-0.00531	PASS
					-20	-16.85	-0.00661	PASS
					-10	-15.03	-0.00589	PASS
0	-17.87				-0.00701	PASS		
10	-20.81				-0.00816	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-19.00	-0.00745	PASS
					30	-24.13	-0.00946	PASS
					40	-21.70	-0.00851	PASS
					50	-23.49	-0.00921	PASS
			MCH	VN	-30	-12.75	-0.0049	PASS
					-20	-15.74	-0.00605	PASS
					-10	-15.34	-0.0059	PASS
					0	-17.25	-0.00663	PASS
					10	-15.59	-0.006	PASS
					20	-14.73	-0.00567	PASS
					30	-12.15	-0.00467	PASS
					40	-18.11	-0.00697	PASS
			HCH	VN	-30	-12.27	-0.00463	PASS
					-20	-14.66	-0.00553	PASS
					-10	-16.98	-0.00641	PASS
					0	-16.84	-0.00635	PASS
		10			-16.38	-0.00618	PASS	
		20			-15.44	-0.00583	PASS	
		30			-15.75	-0.00594	PASS	
		40			-14.66	-0.00553	PASS	
		15	LCH	VN	-30	-16.72	-0.00655	PASS
					-20	-19.63	-0.00769	PASS
					-10	-21.84	-0.00856	PASS
					0	-21.60	-0.00846	PASS
					10	-22.83	-0.00894	PASS
					20	-20.11	-0.00788	PASS
					30	-23.66	-0.00927	PASS
					40	-21.76	-0.00852	PASS
			MCH	VN	-30	-14.00	-0.00538	PASS
					-20	-12.33	-0.00474	PASS
					-10	-12.57	-0.00483	PASS
					0	-14.22	-0.00547	PASS
10	-12.47				-0.0048	PASS		
20	-13.75				-0.00529	PASS		
30	-16.59				-0.00638	PASS		
40	-13.69				-0.00527	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	-13.90	-0.00535	PASS	
					-30	-11.70	-0.00442	PASS	
					-20	-15.66	-0.00592	PASS	
					-10	-16.72	-0.00632	PASS	
					0	-15.59	-0.00589	PASS	
					10	-16.35	-0.00618	PASS	
					20	-13.42	-0.00507	PASS	
					30	-15.81	-0.00597	PASS	
					40	-14.76	-0.00558	PASS	
			50	-15.31	-0.00578	PASS			
			LCH	VN	-30	-17.18	-0.00672	PASS	
					-20	-18.95	-0.00742	PASS	
					-10	-21.00	-0.00822	PASS	
					0	-26.04	-0.01019	PASS	
					10	-24.92	-0.00975	PASS	
					20	-22.99	-0.009	PASS	
					30	-23.72	-0.00928	PASS	
					40	-21.67	-0.00848	PASS	
		50			-20.18	-0.0079	PASS		
		MCH	VN	-30	-12.90	-0.00496	PASS		
				-20	-12.23	-0.0047	PASS		
				-10	-12.75	-0.0049	PASS		
				0	-14.03	-0.0054	PASS		
				10	-14.69	-0.00565	PASS		
				20	-12.23	-0.0047	PASS		
				30	-14.52	-0.00558	PASS		
				40	-15.51	-0.00597	PASS		
				50	-15.32	-0.00589	PASS		
		HCH	VN	-30	-12.12	-0.00458	PASS		
				-20	-16.92	-0.0064	PASS		
				-10	-14.62	-0.00553	PASS		
				0	-17.81	-0.00673	PASS		
				10	-15.19	-0.00574	PASS		
				20	-16.41	-0.0062	PASS		
				30	-16.19	-0.00612	PASS		
				40	-15.16	-0.00573	PASS		
		LCH	VN	-30	-15.51	-0.00609	PASS		
				-20	-14.00	-0.0055	PASS		
		LTE/TM2	5	LCH	VN	-30	-15.51	-0.00609	PASS
						-20	-14.00	-0.0055	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-10	-13.32	-0.00523	PASS	
					0	-15.42	-0.00605	PASS	
					10	-16.72	-0.00656	PASS	
					20	-16.57	-0.0065	PASS	
					30	-17.15	-0.00673	PASS	
					40	-16.25	-0.00638	PASS	
					50	-17.72	-0.00696	PASS	
			MCH	VN	-30	-12.56	-0.00483	PASS	
					-20	-13.25	-0.0051	PASS	
					-10	-13.09	-0.00503	PASS	
					0	-14.61	-0.00562	PASS	
					10	-10.56	-0.00406	PASS	
					20	-17.55	-0.00675	PASS	
					30	-13.66	-0.00525	PASS	
			HCH	VN	-30	-8.41	-0.00317	PASS	
					-20	-11.24	-0.00424	PASS	
					-10	-12.63	-0.00476	PASS	
					0	-12.30	-0.00464	PASS	
					10	-11.67	-0.0044	PASS	
					20	-12.95	-0.00488	PASS	
					30	-12.16	-0.00458	PASS	
			10	LCH	VN	-30	-12.43	-0.00487	PASS
						-20	-14.98	-0.00587	PASS
						-10	-17.61	-0.00691	PASS
		0				-18.10	-0.0071	PASS	
		10				-18.42	-0.00722	PASS	
		20				-21.37	-0.00838	PASS	
		30				-12.04	-0.00472	PASS	
		40				-16.69	-0.00655	PASS	
		MCH	VN	-30	-14.09	-0.00542	PASS		
				-20	-13.25	-0.0051	PASS		
				-10	-12.25	-0.00471	PASS		
				0	-13.22	-0.00508	PASS		
				10	-14.99	-0.00577	PASS		