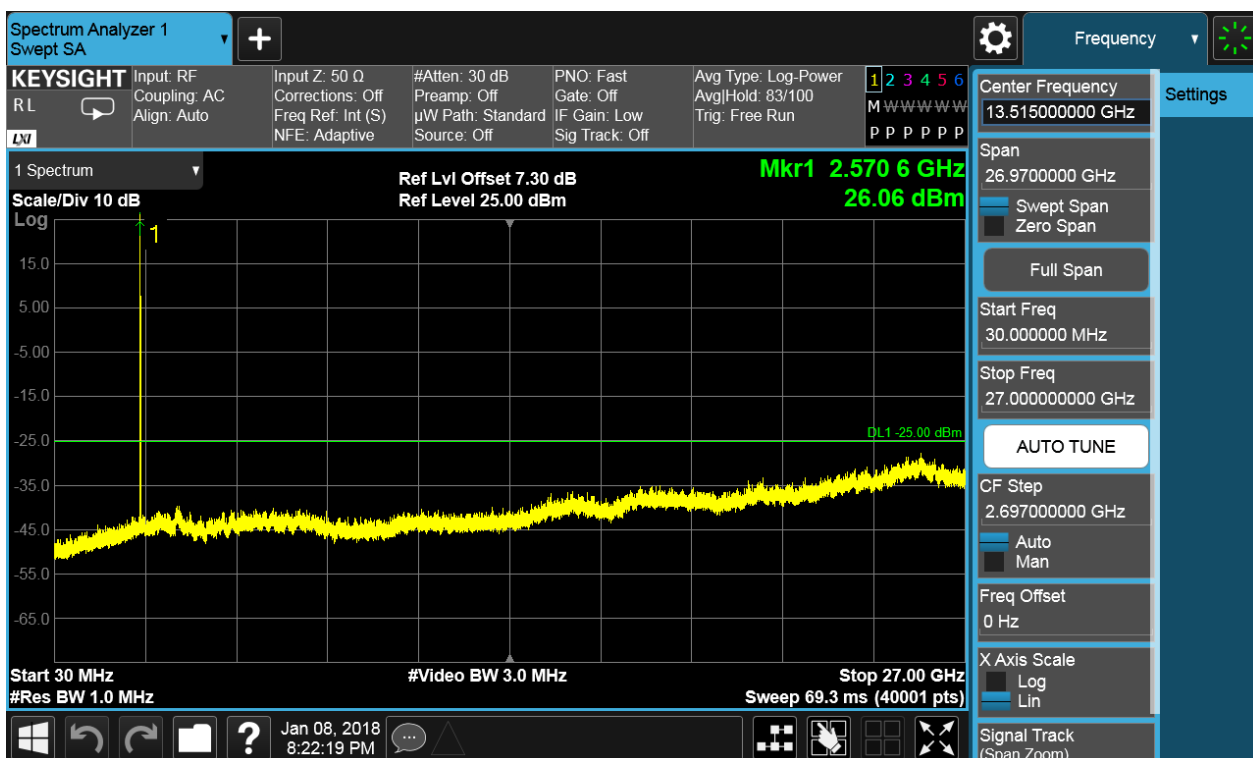
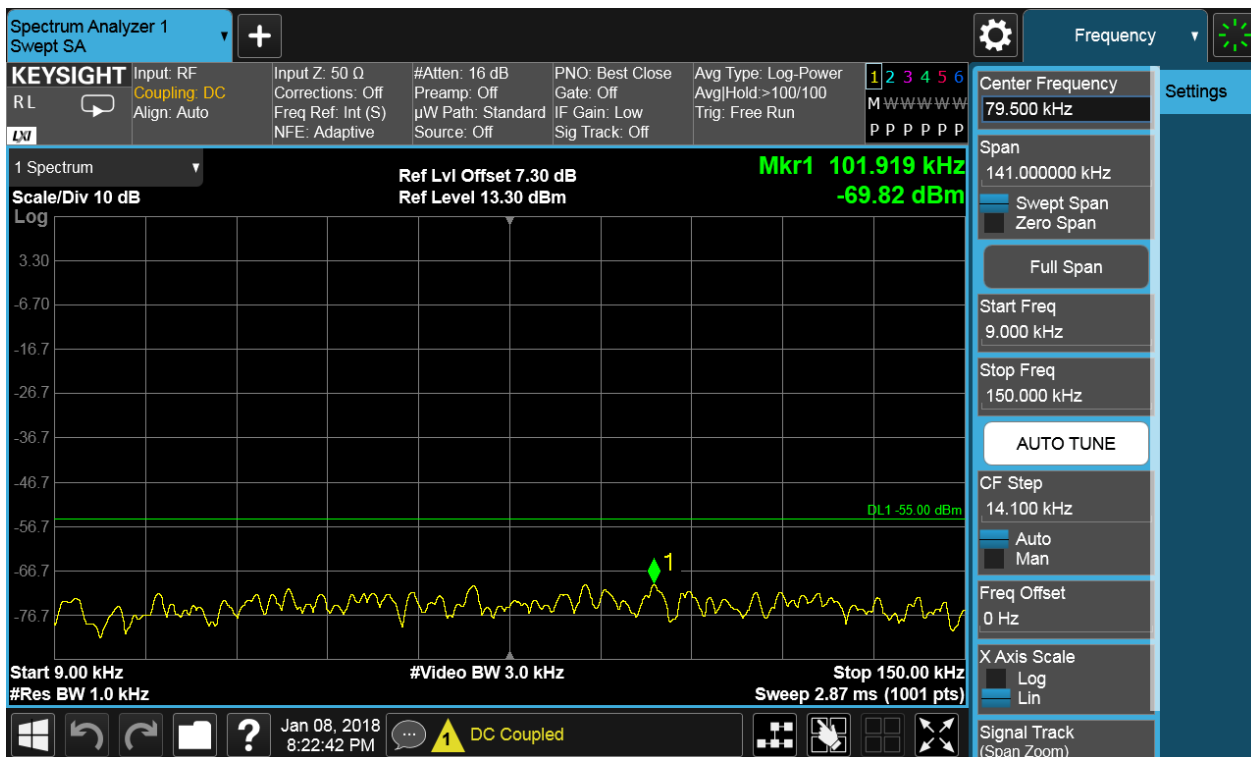


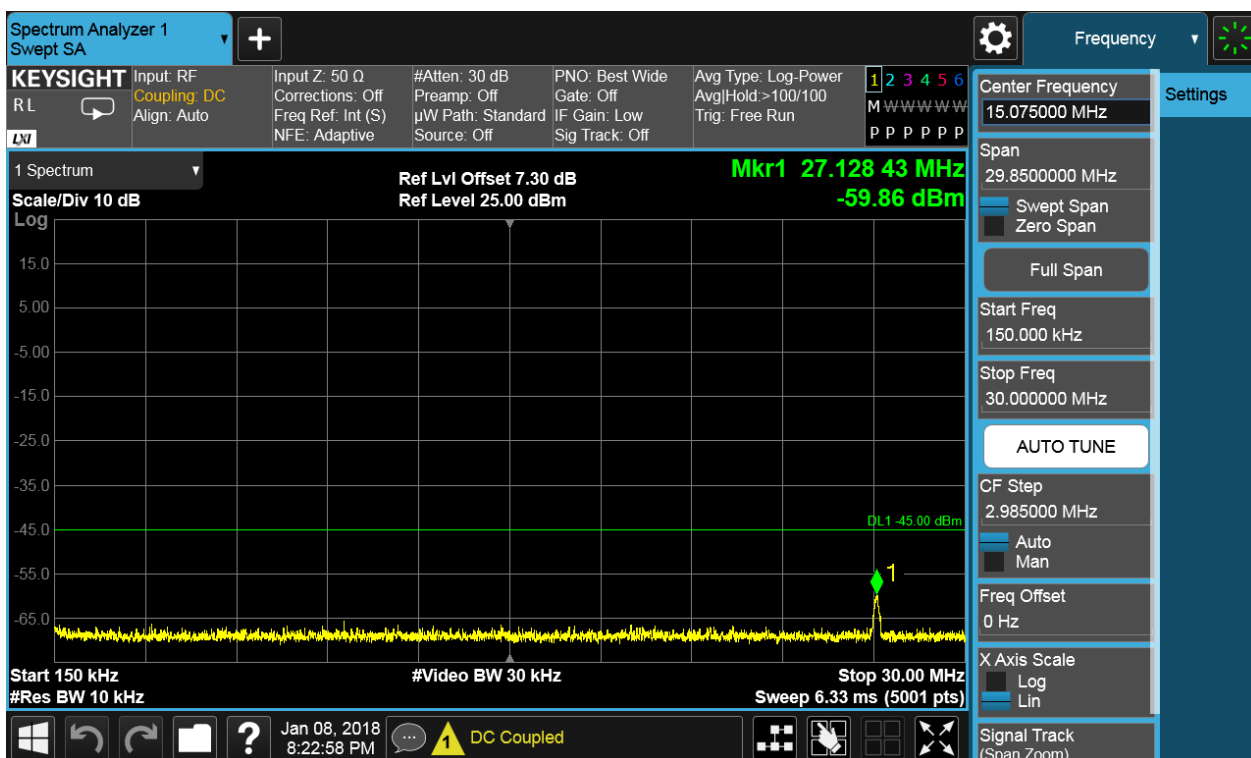


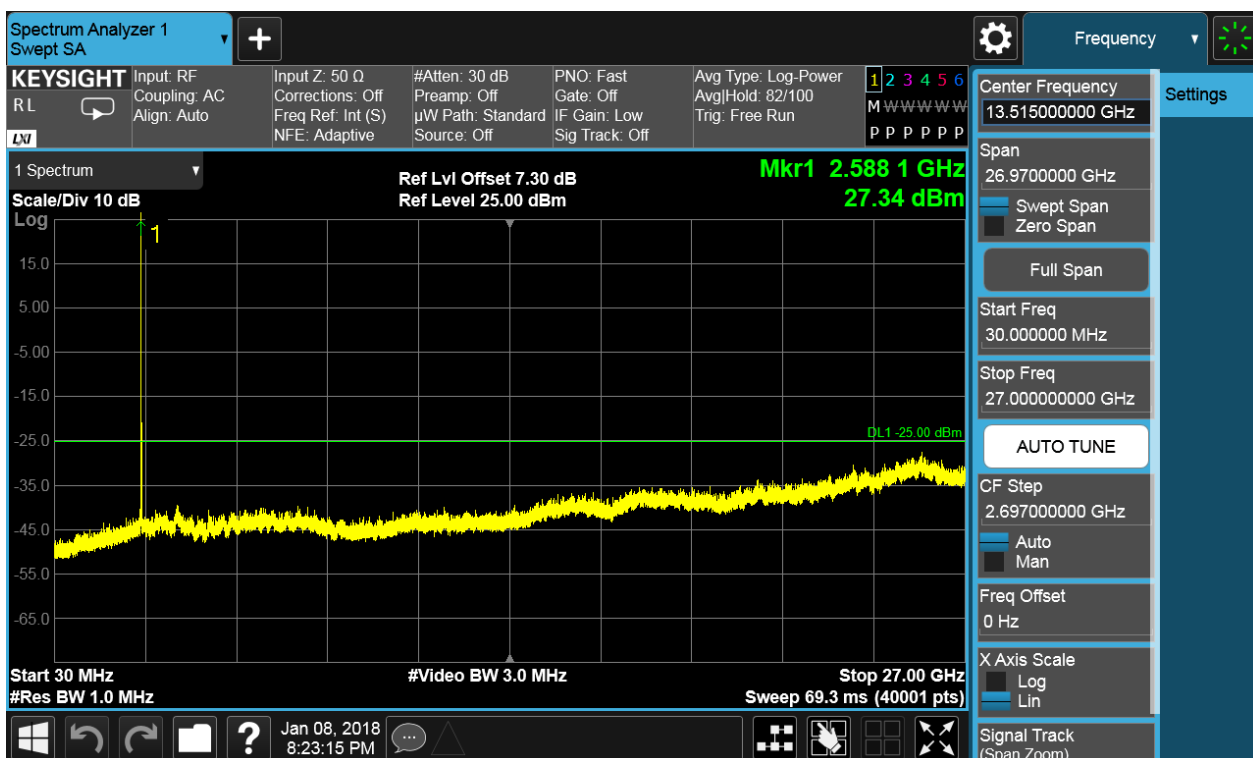


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

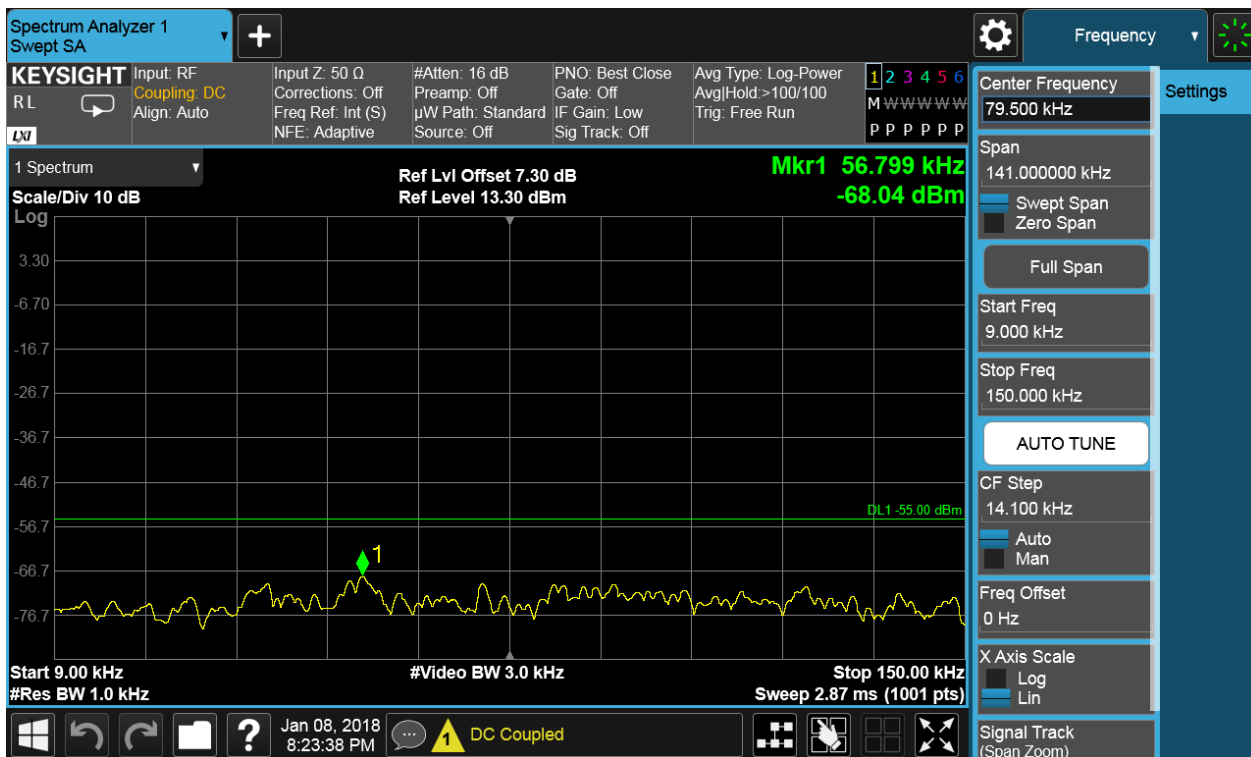


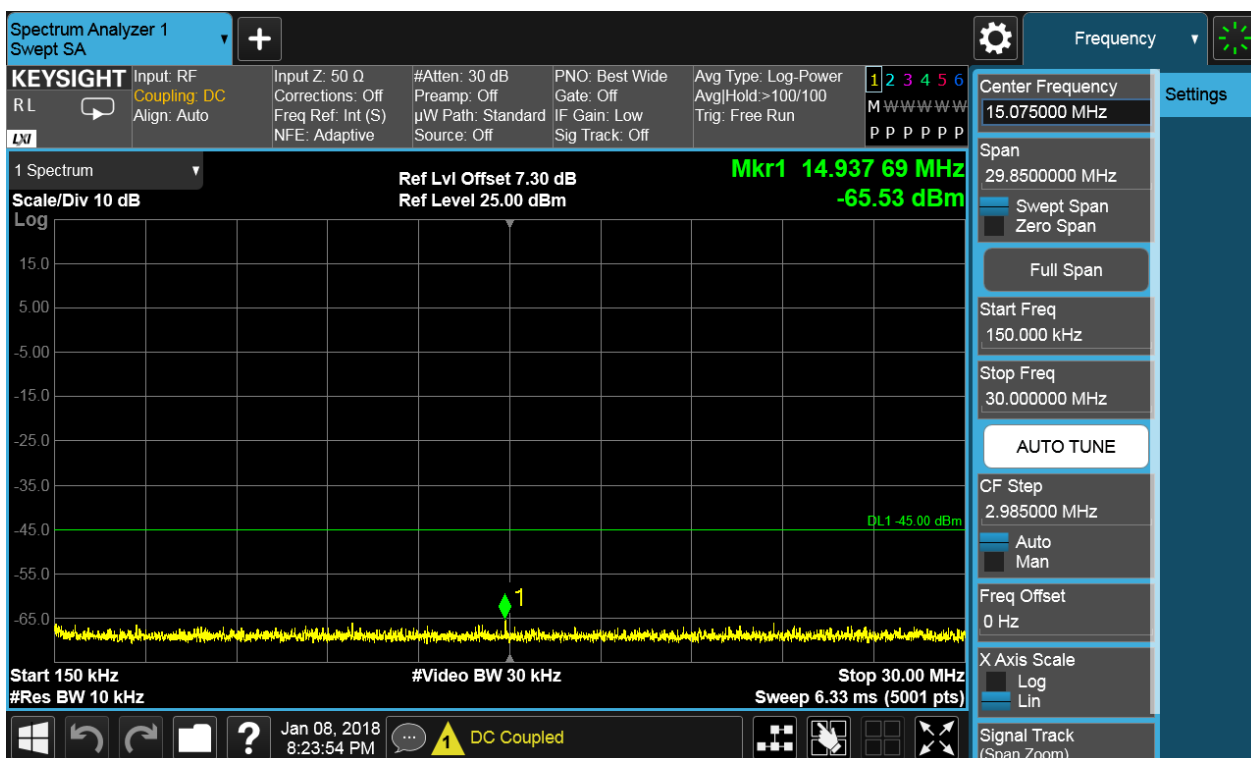


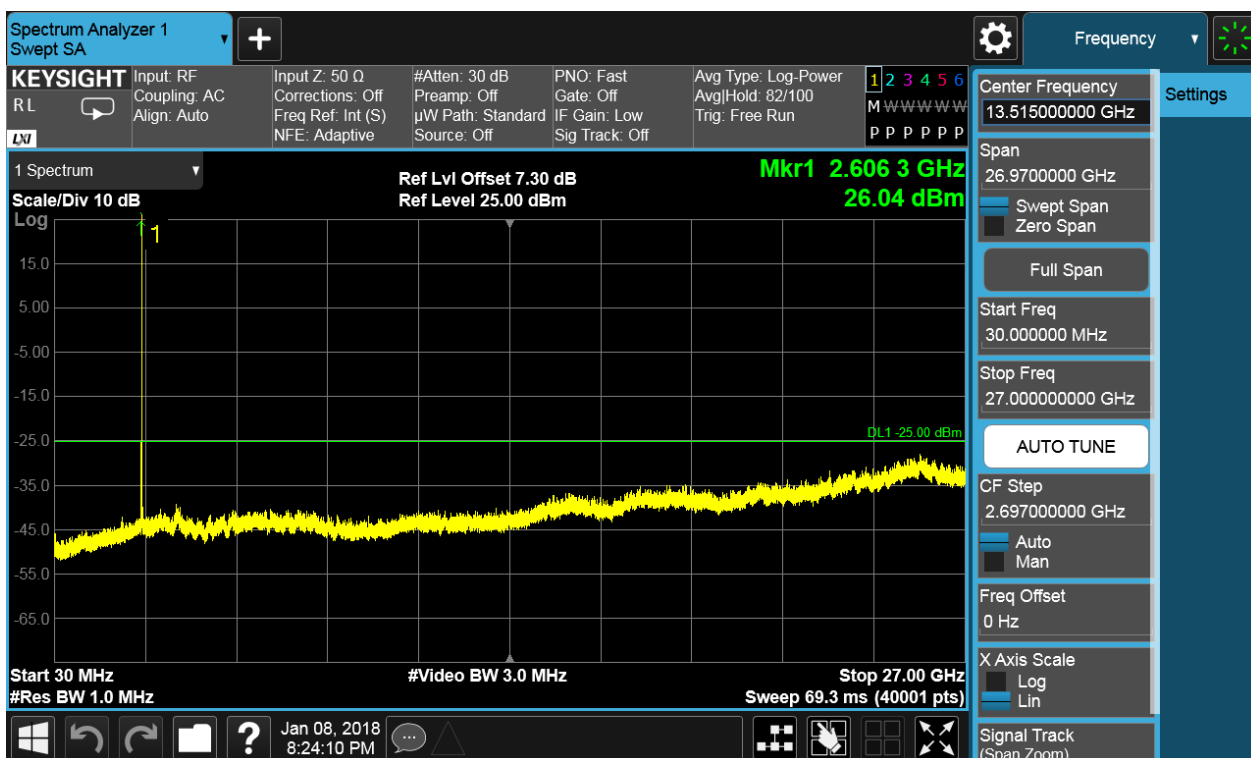


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





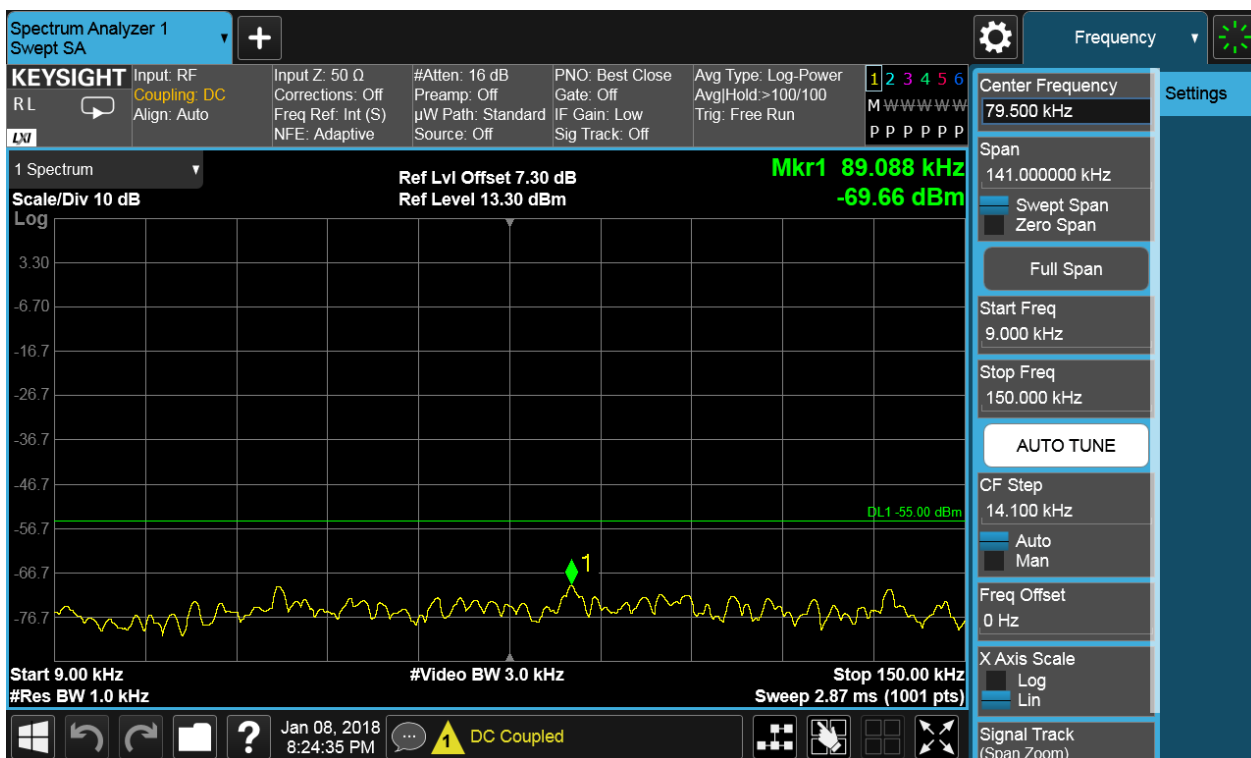


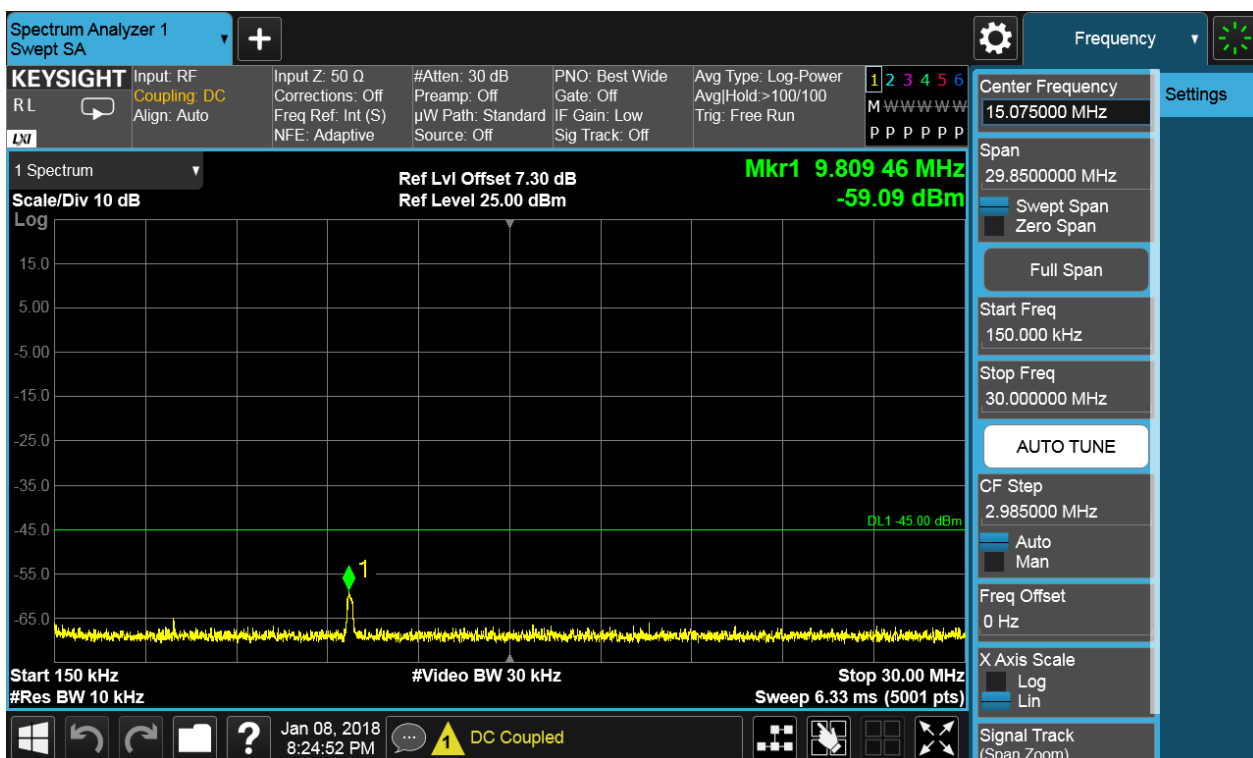


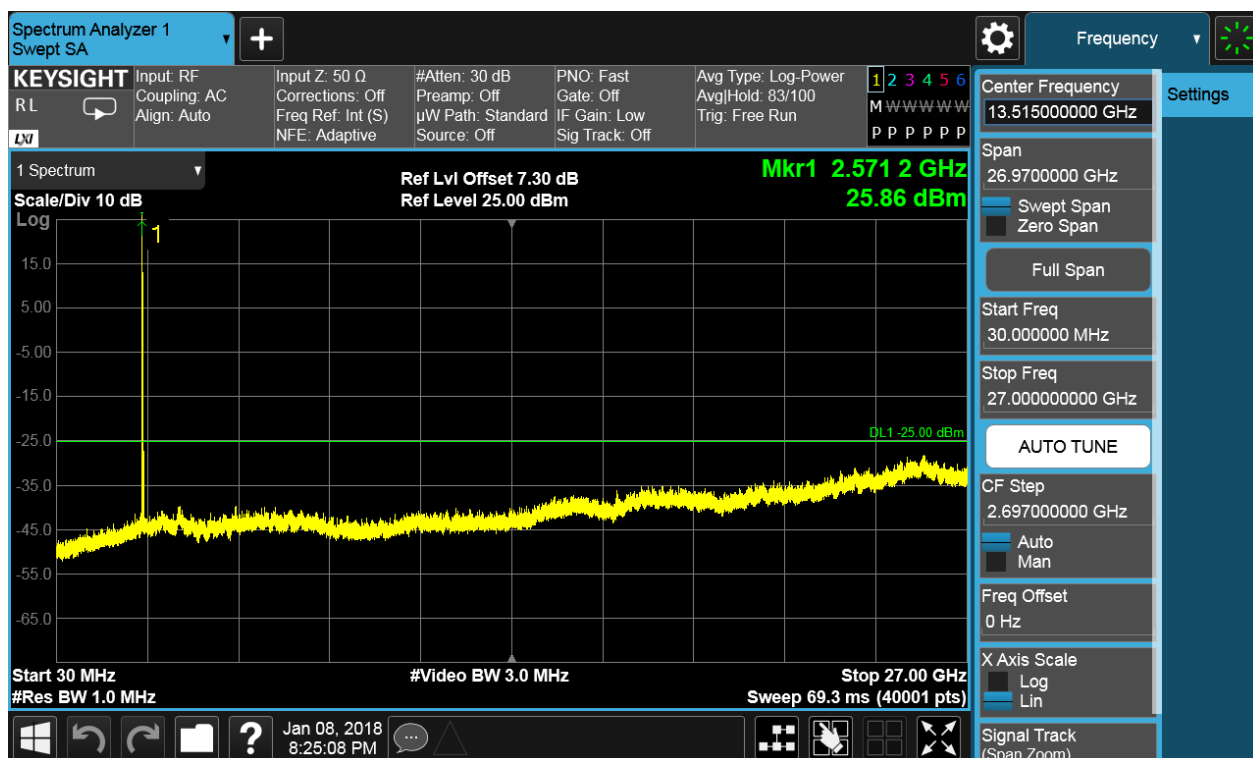
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

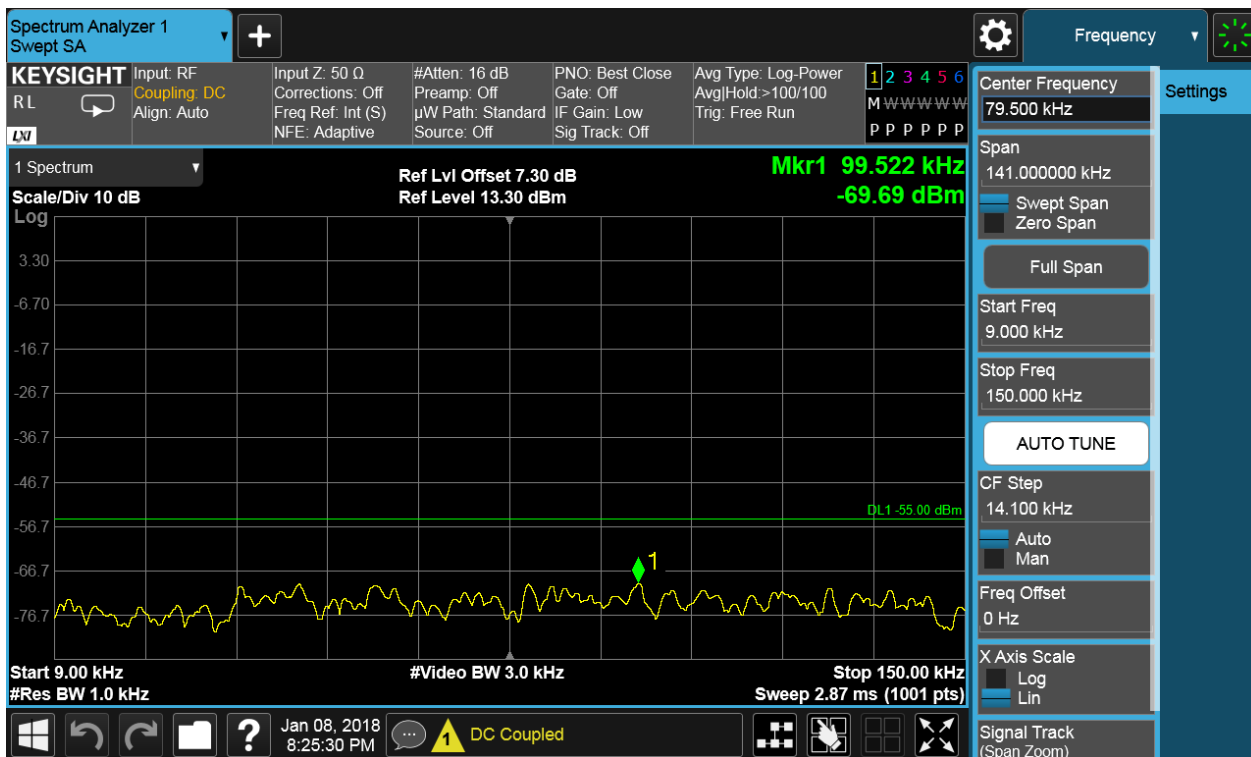


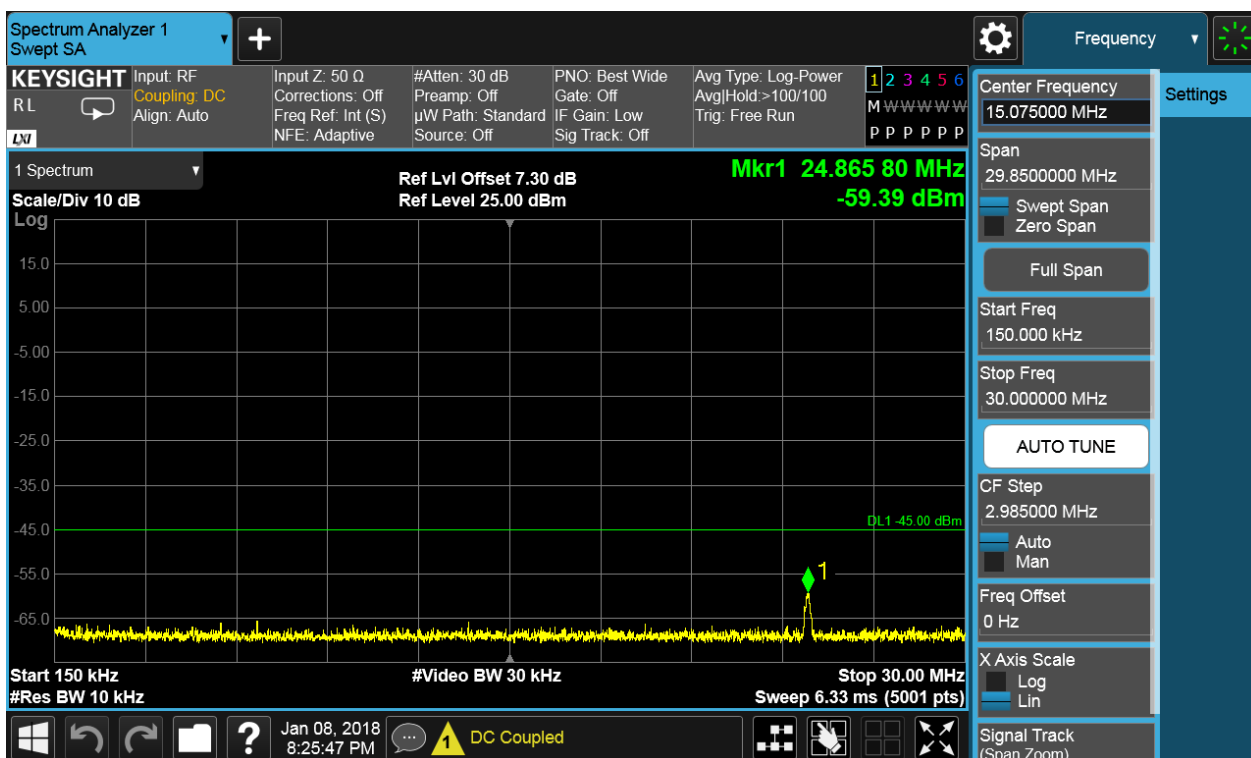


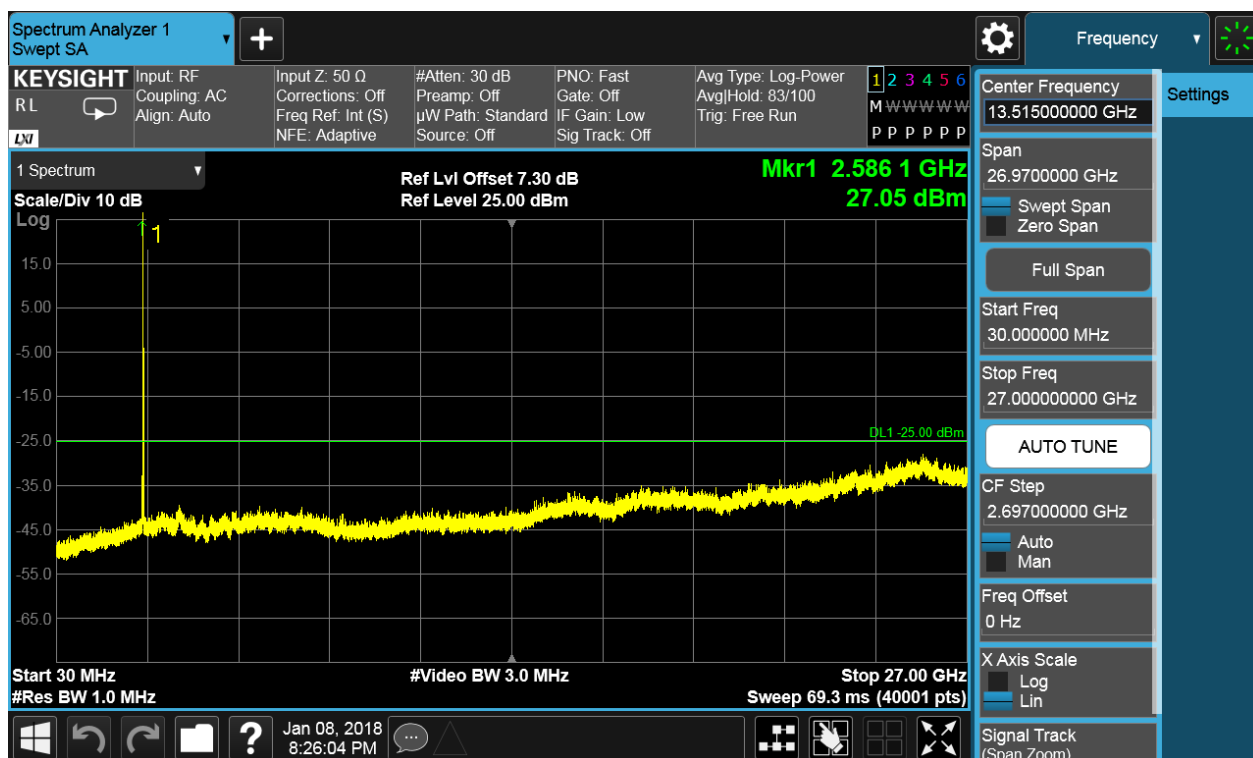


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

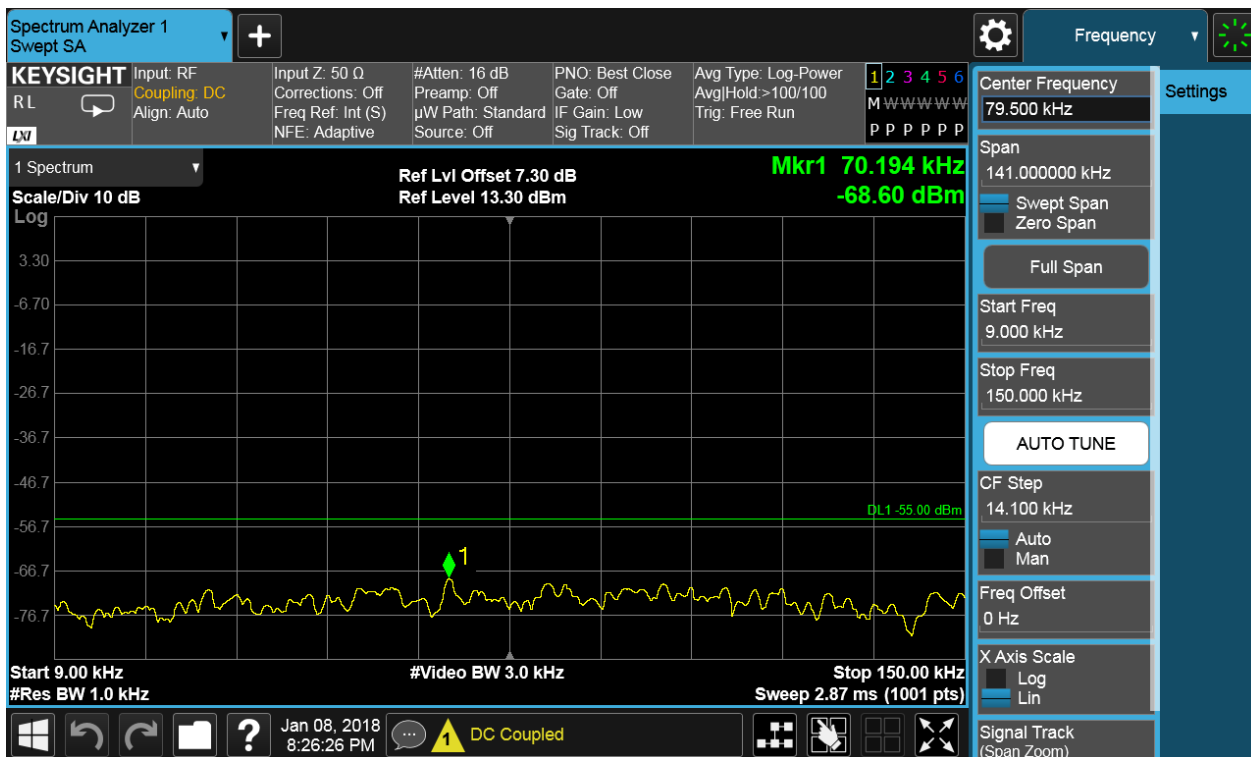


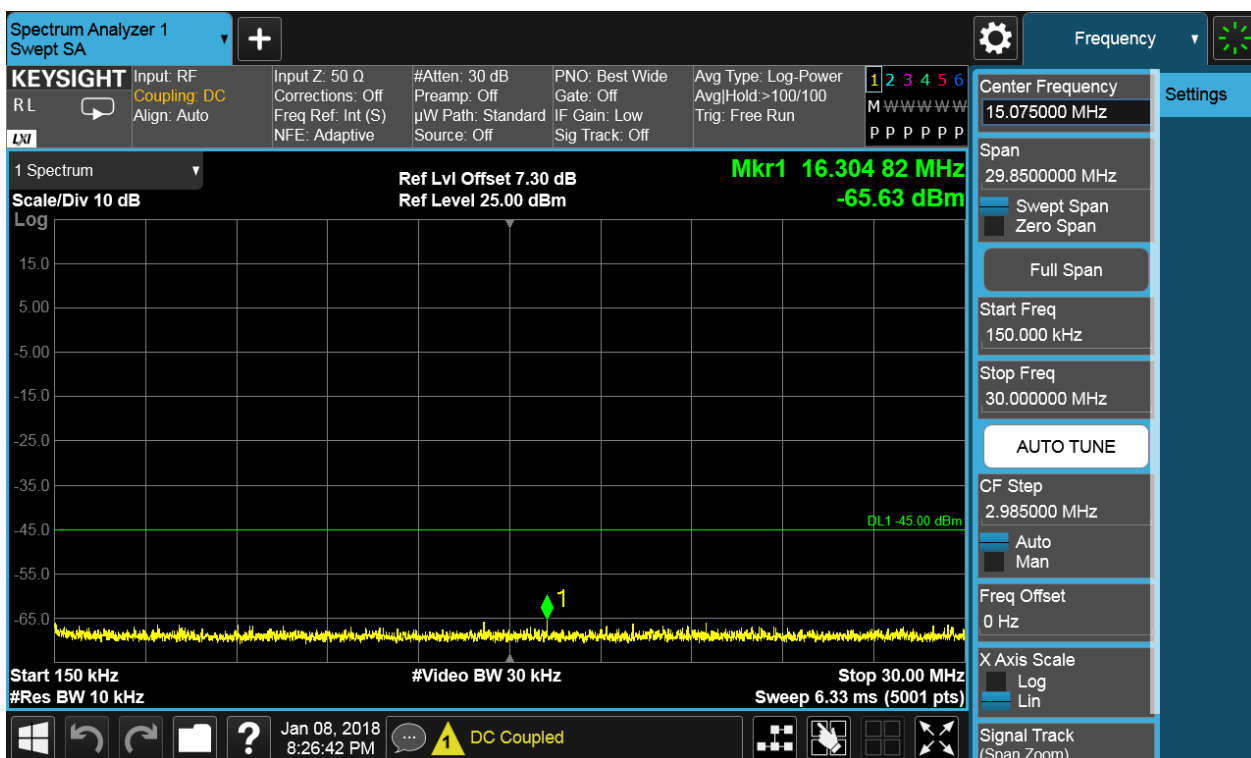


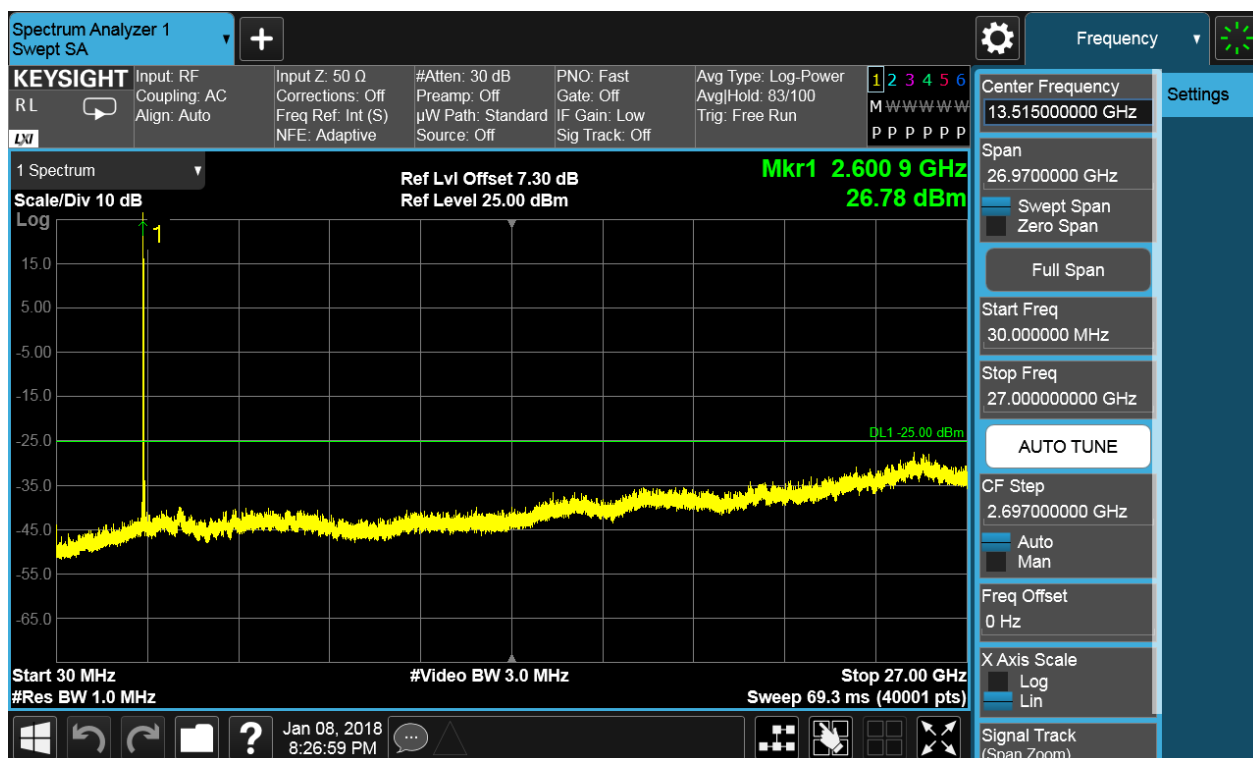


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





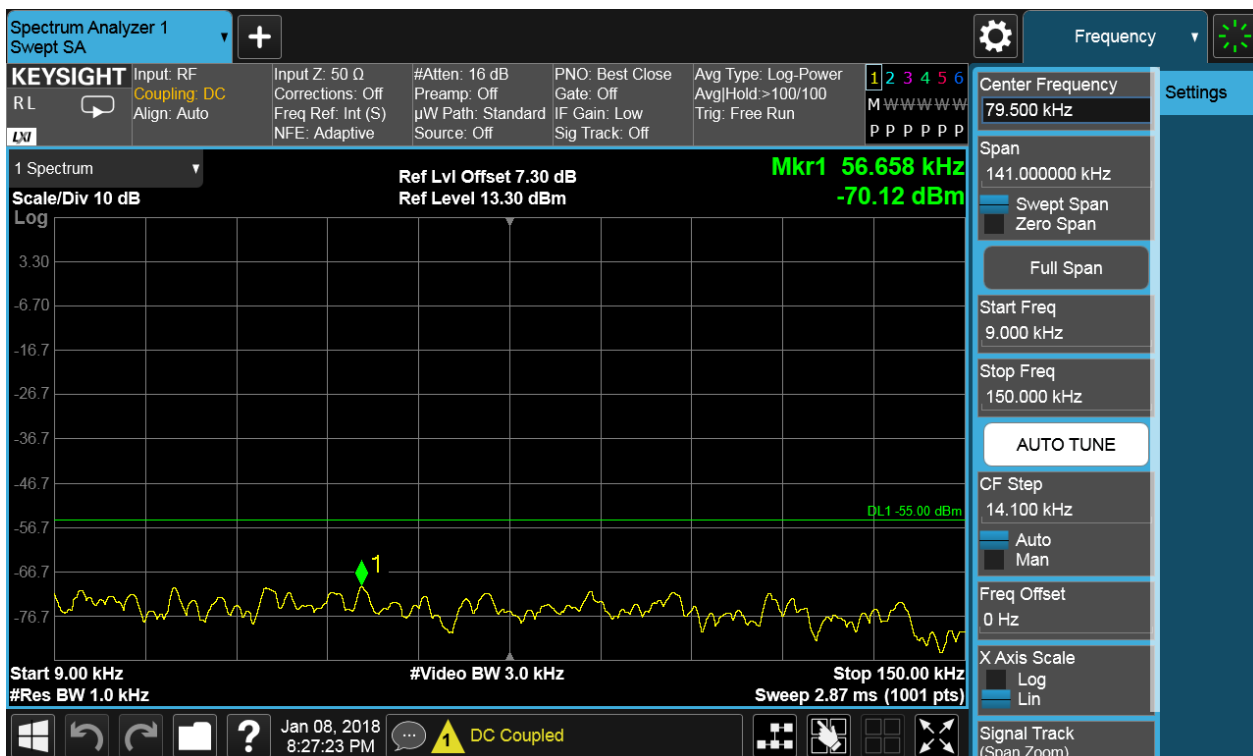


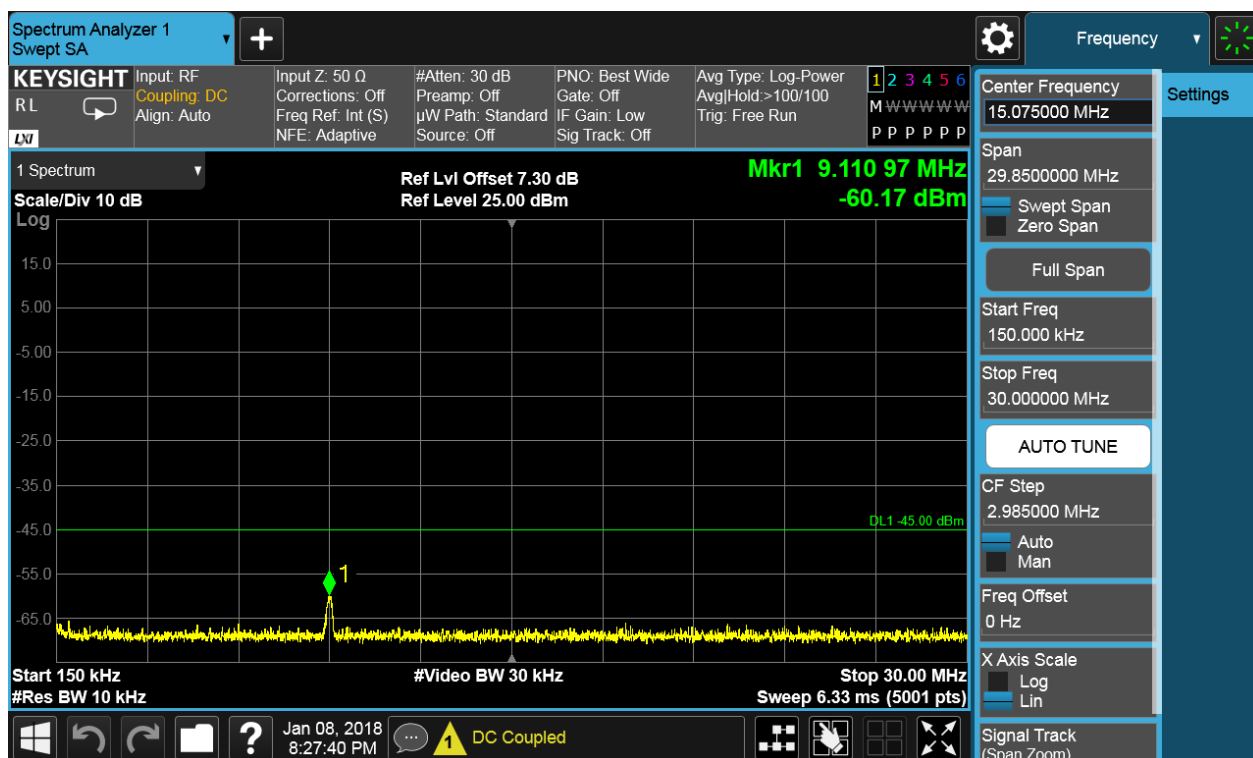
6.1.1.2 Test Mode = LTE/TM2

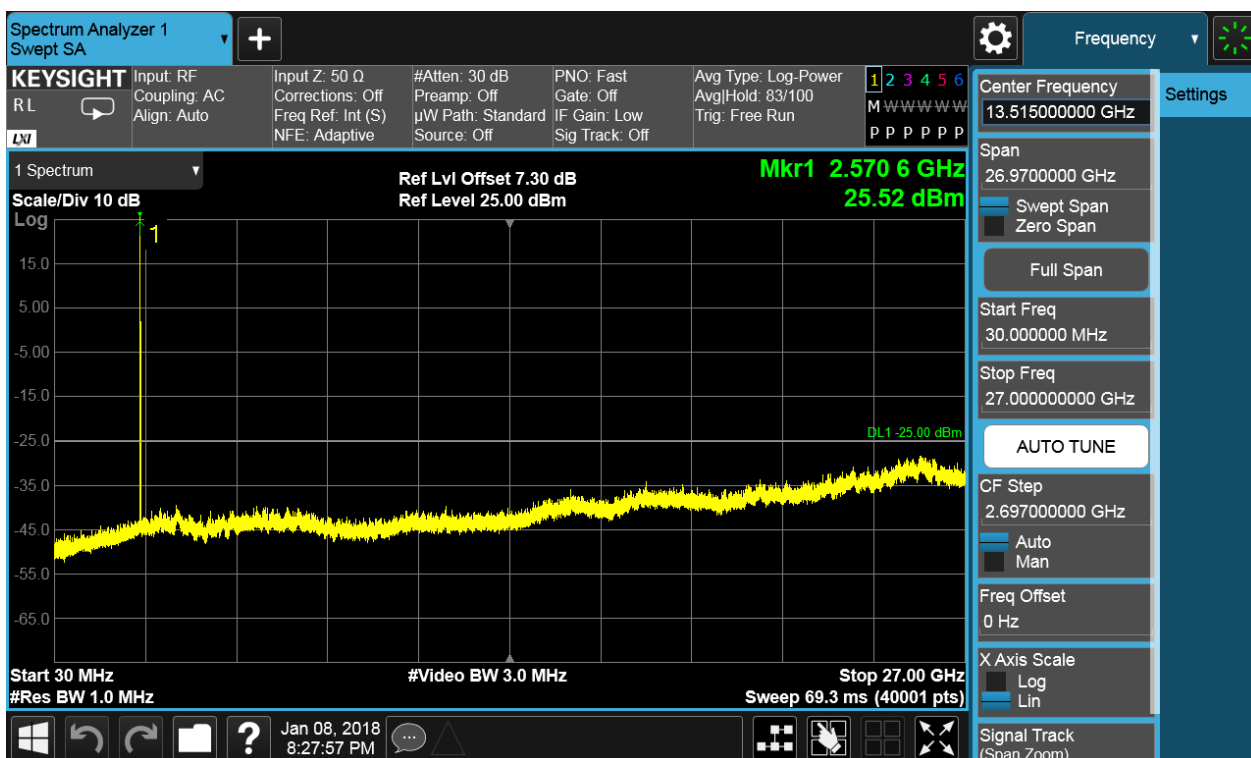
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

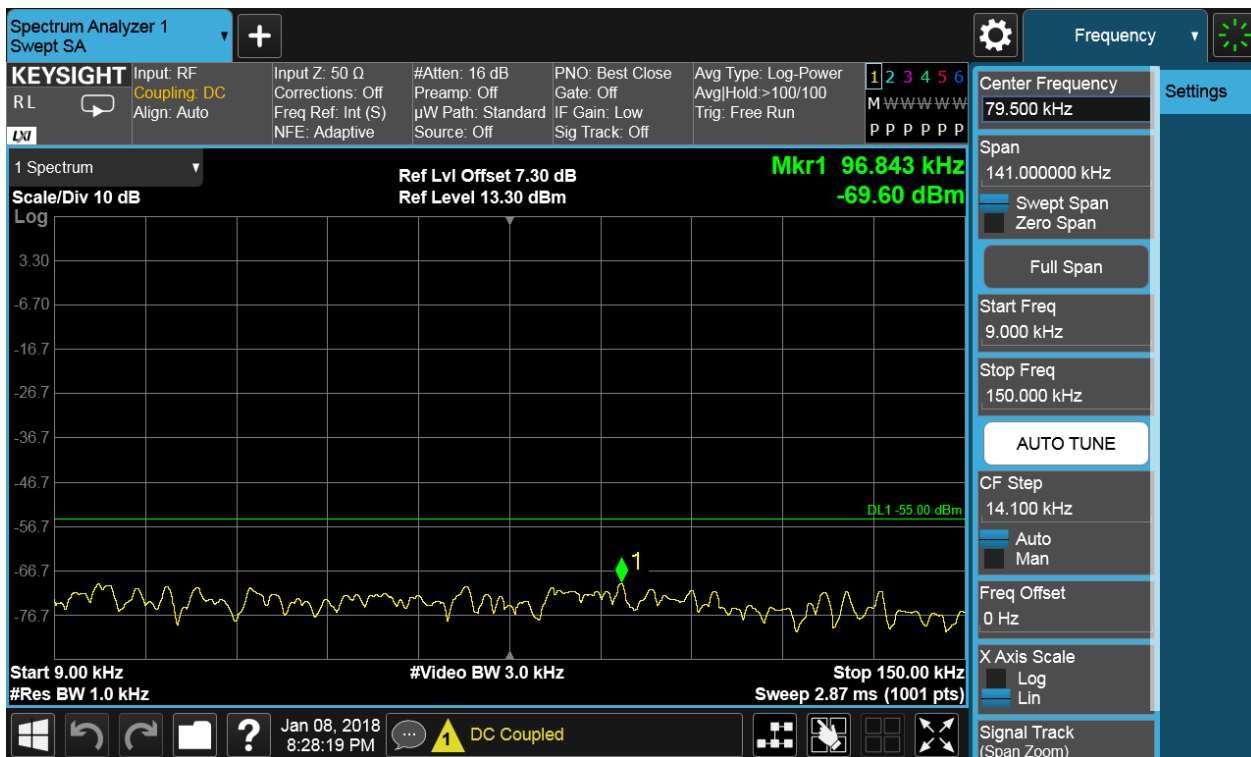


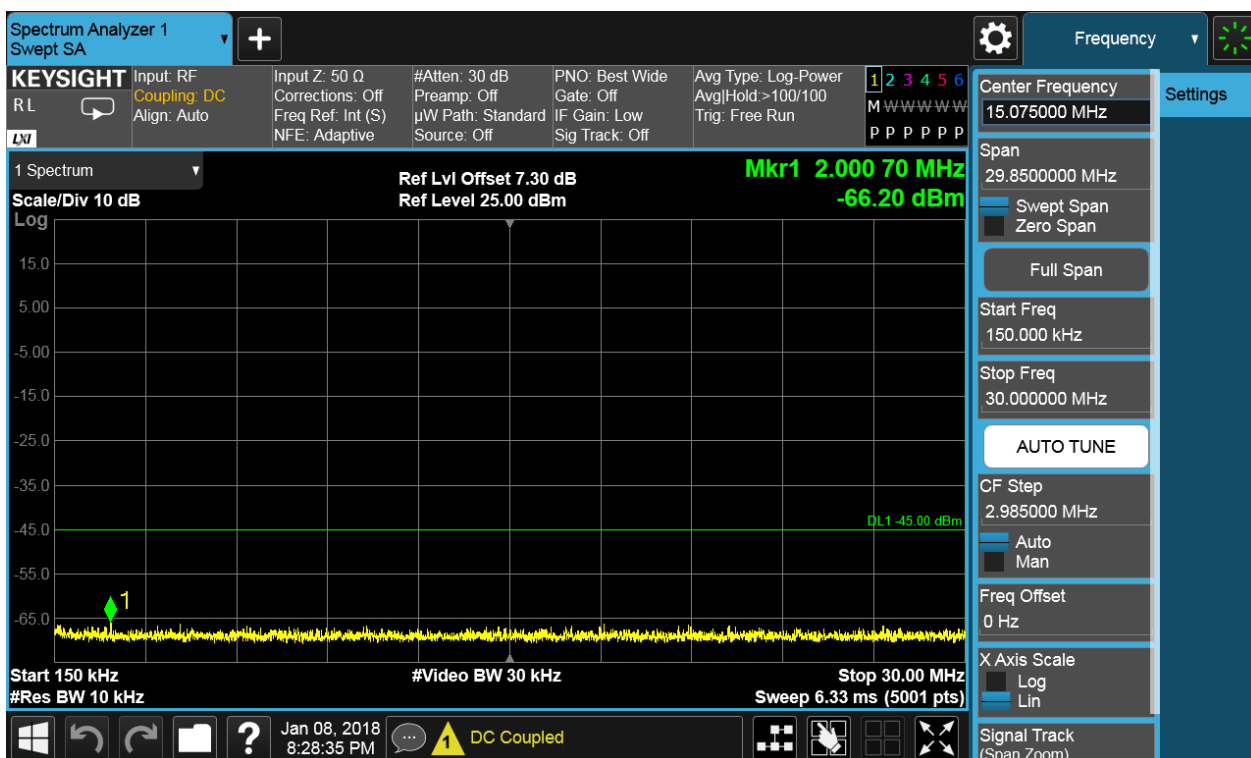


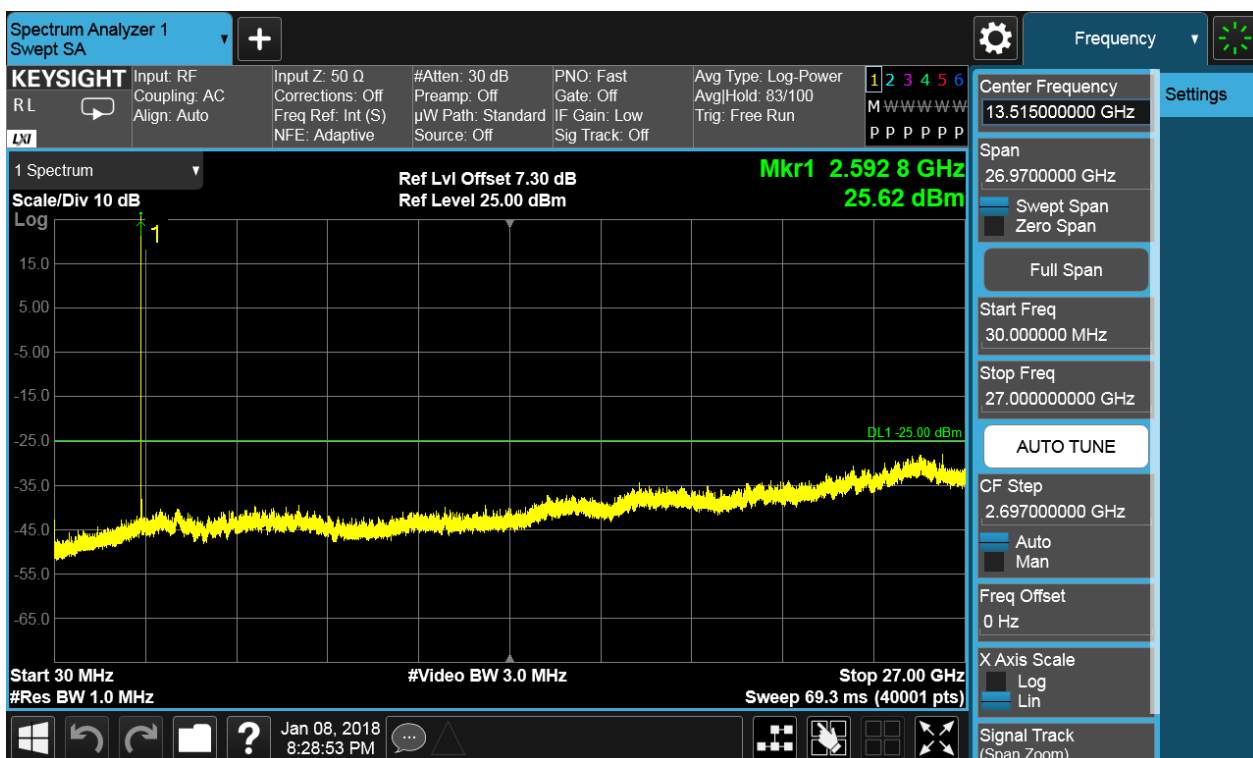


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

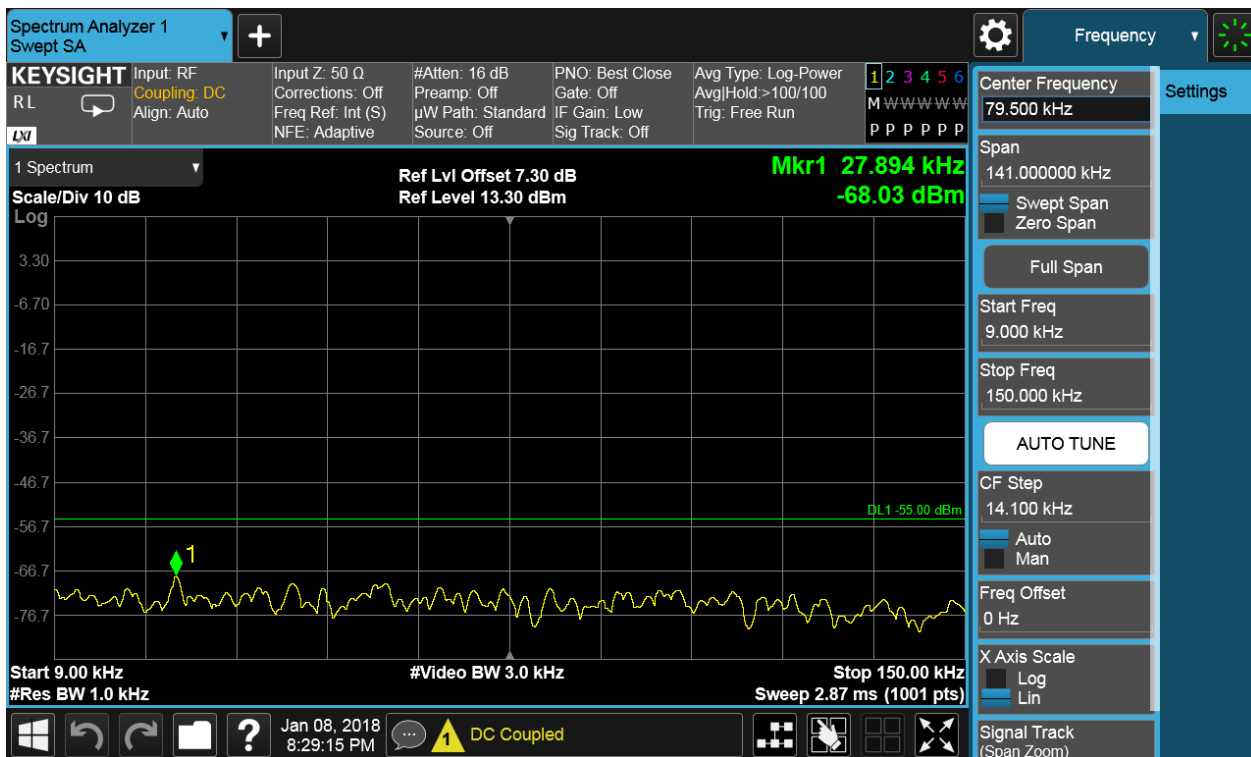


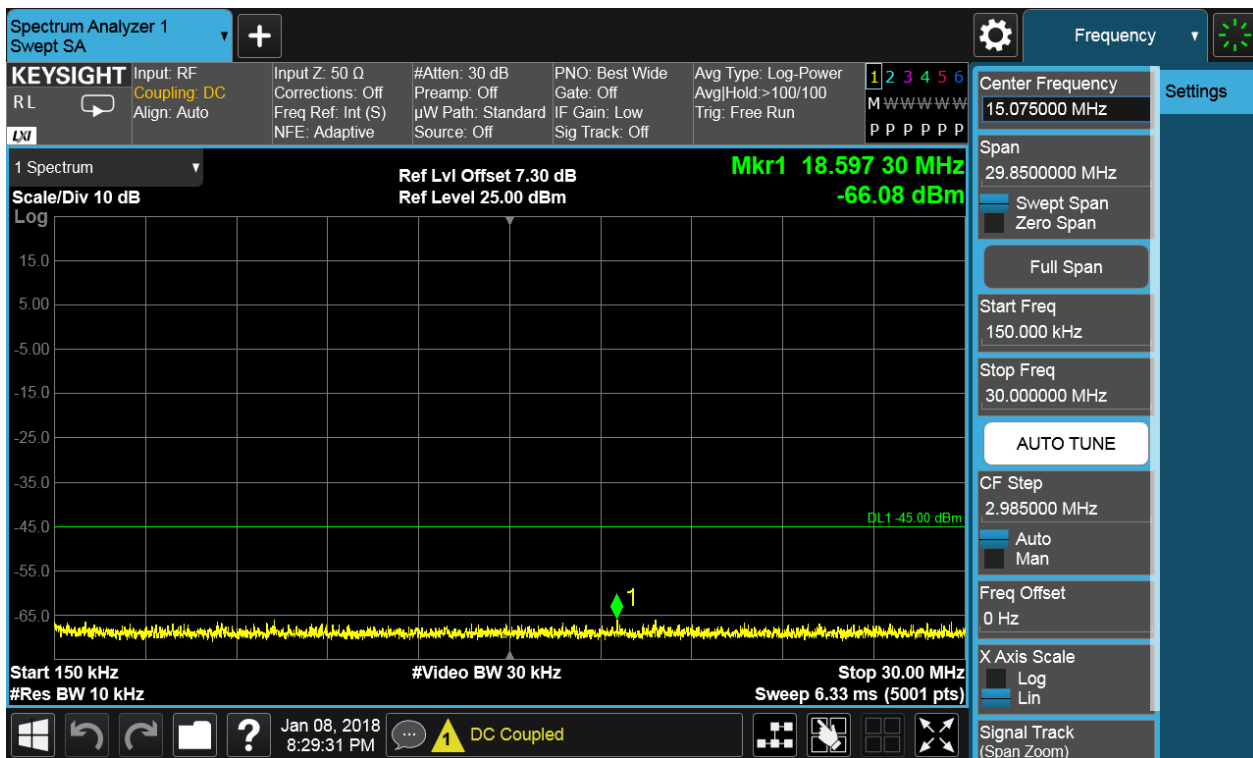


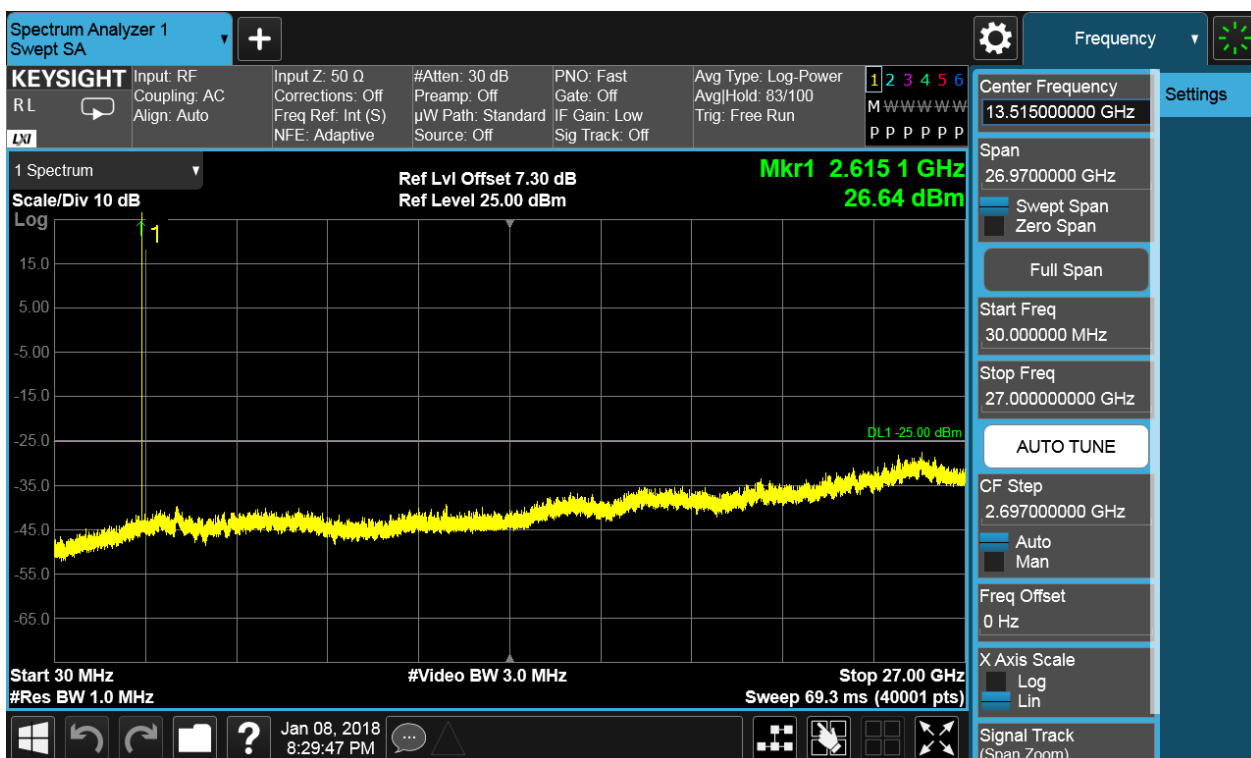


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





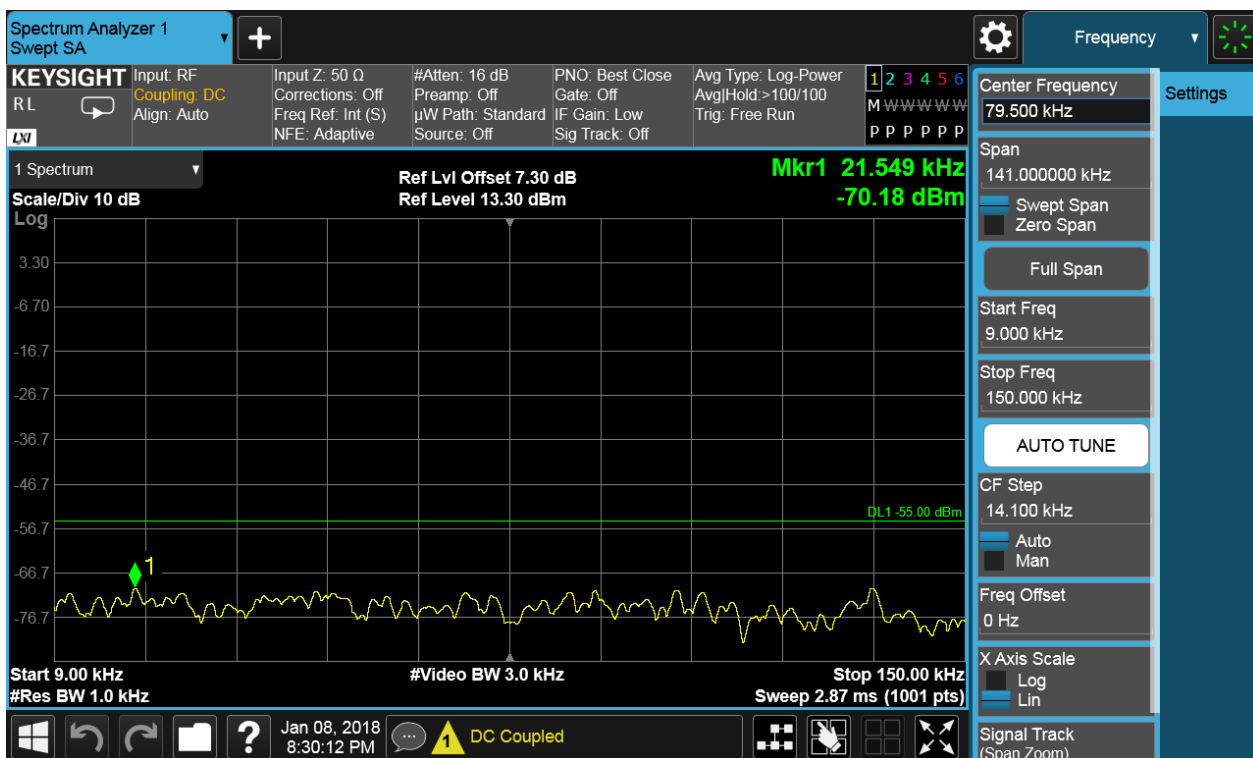


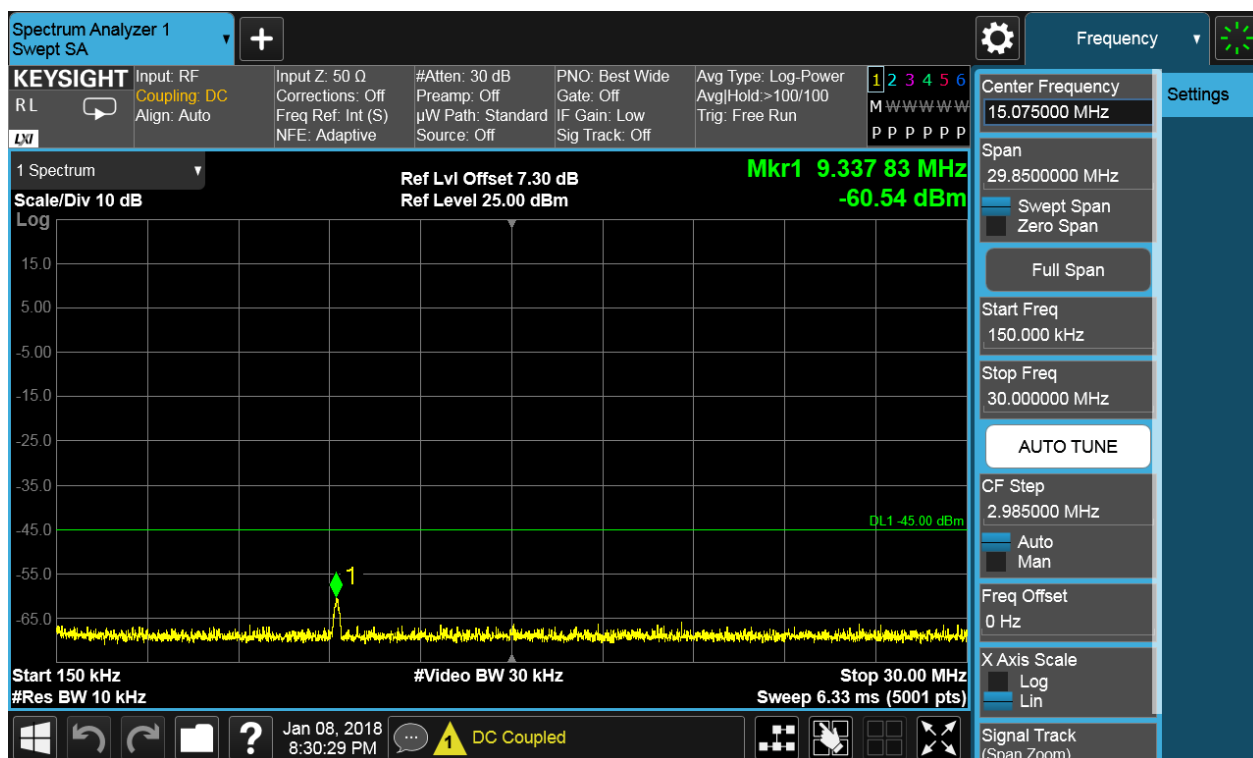


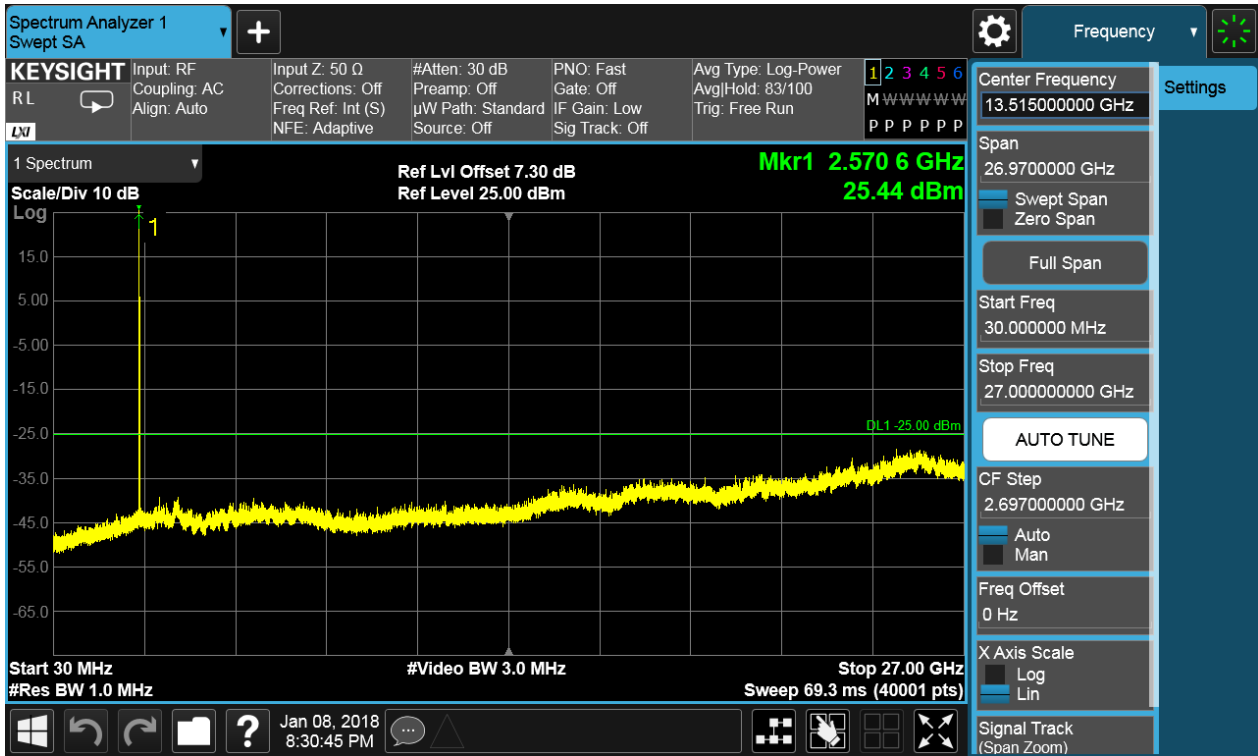
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

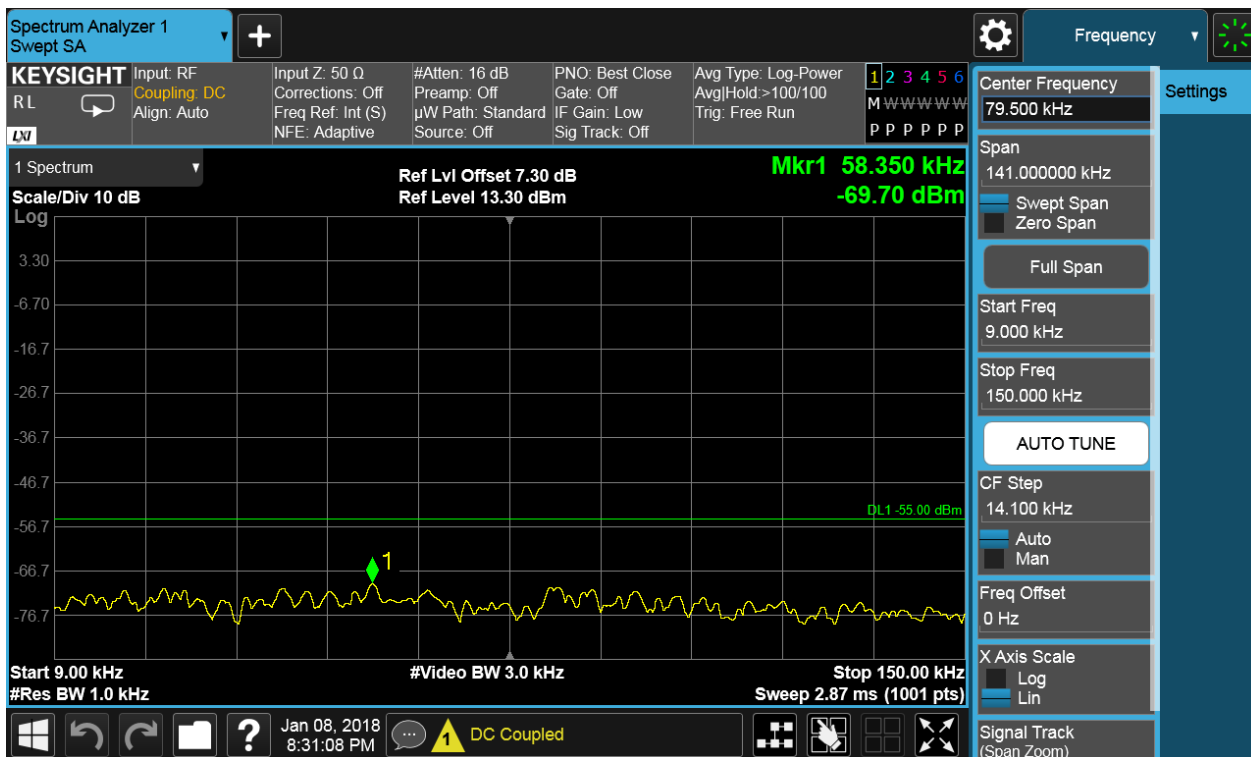


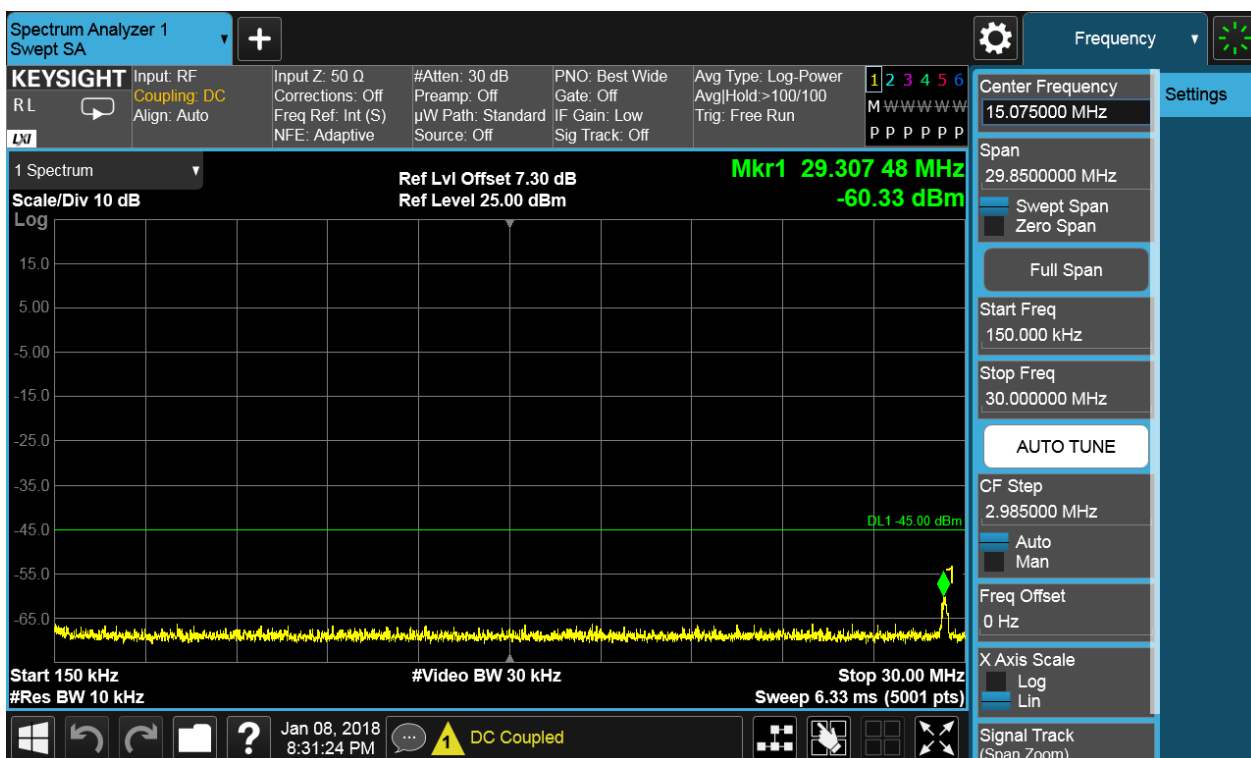


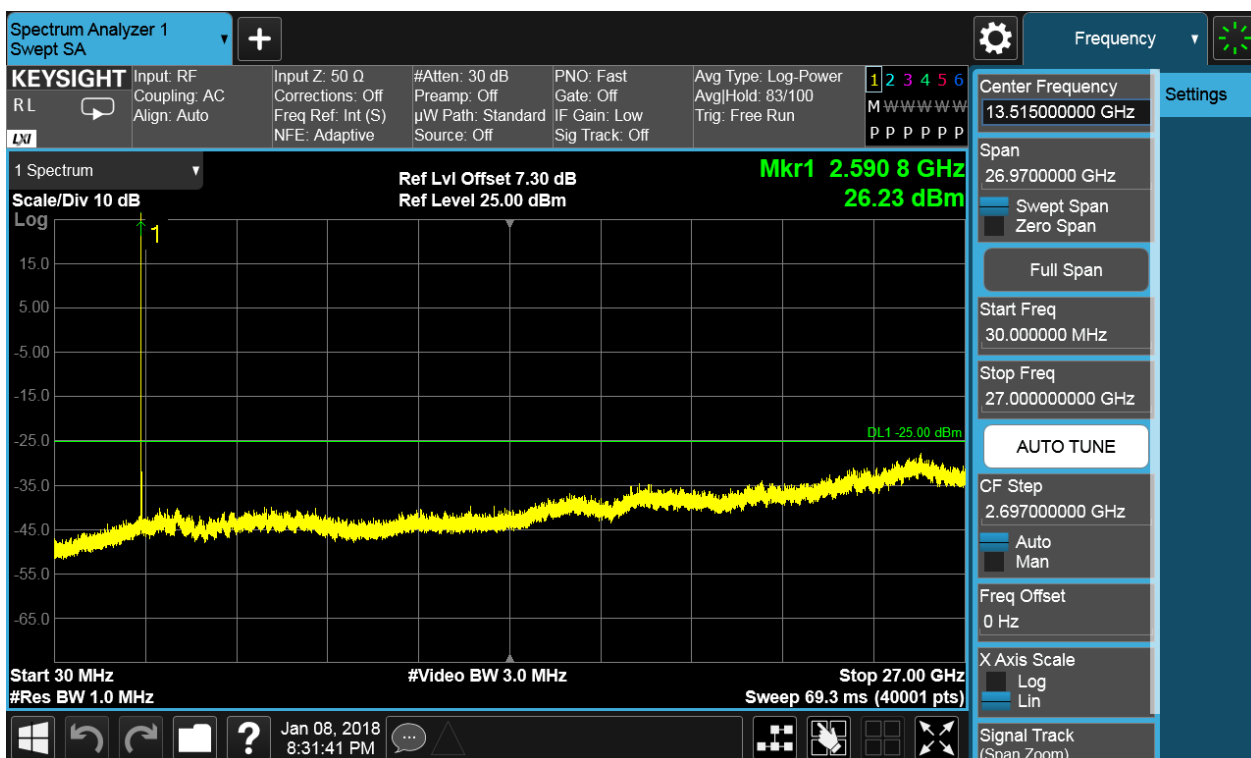


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

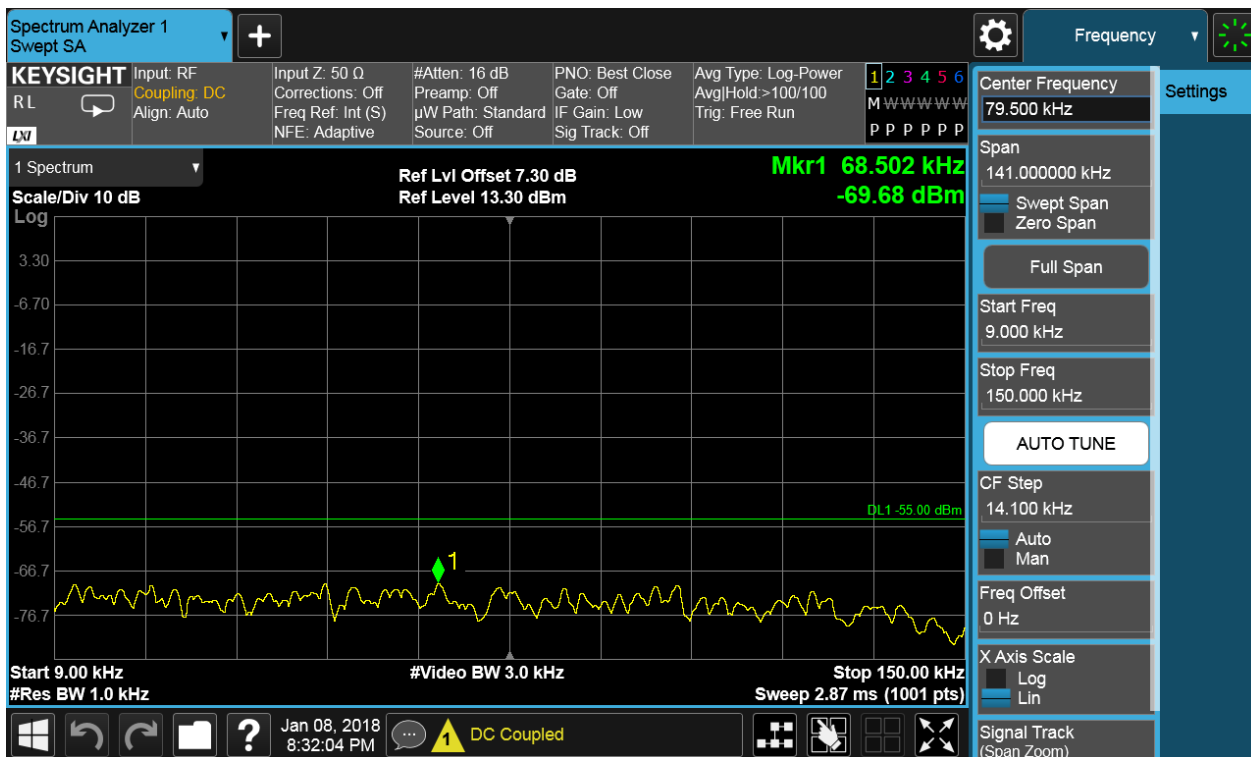


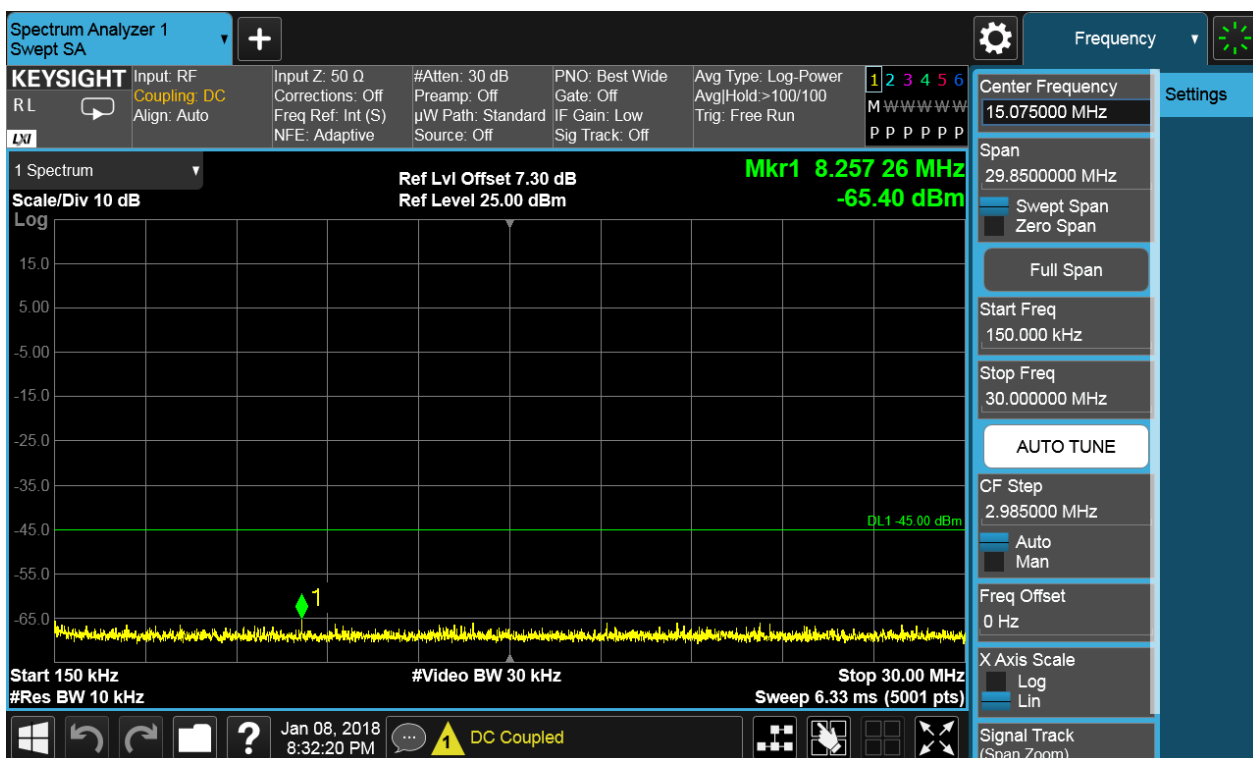


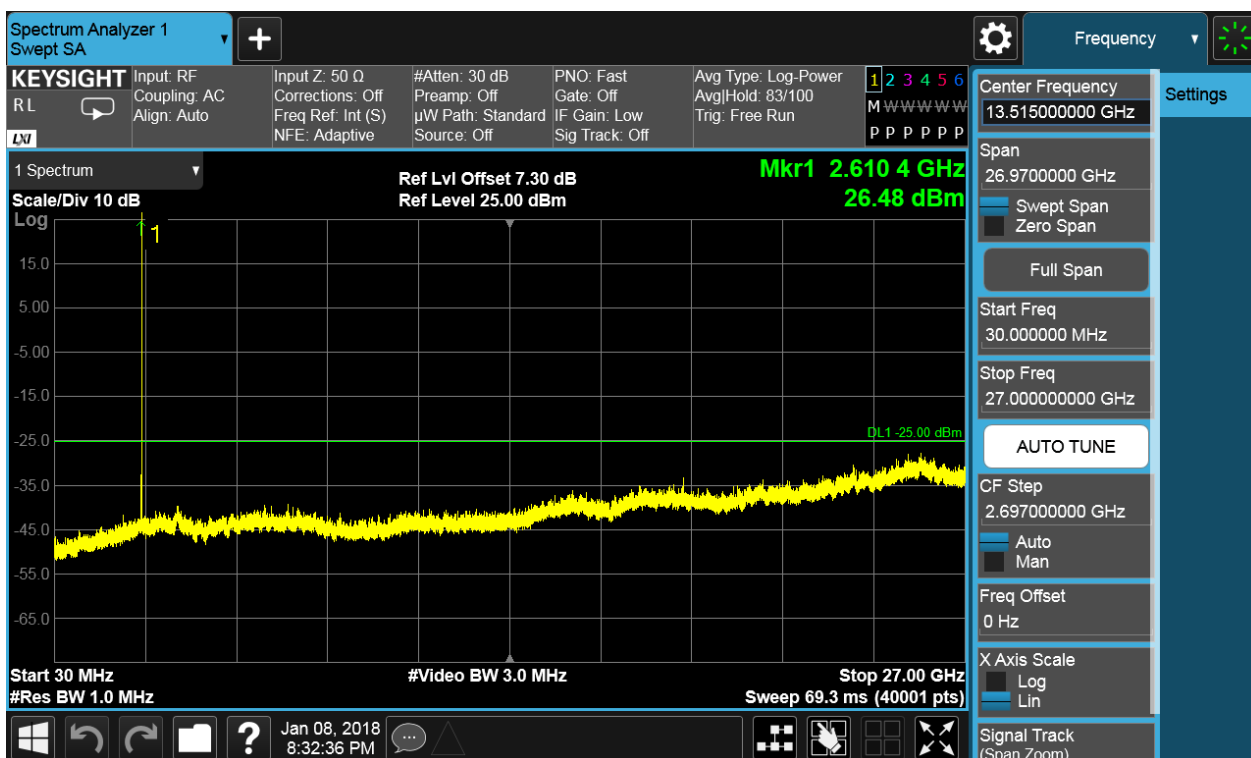


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



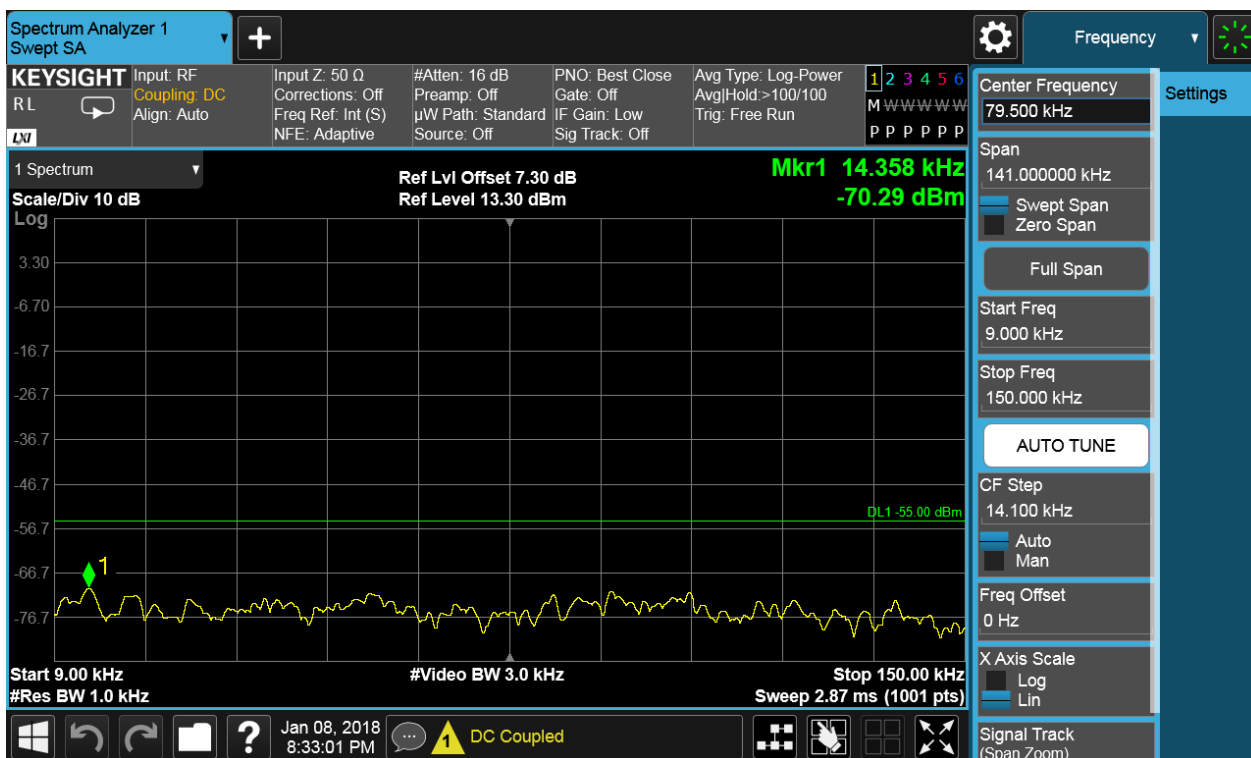


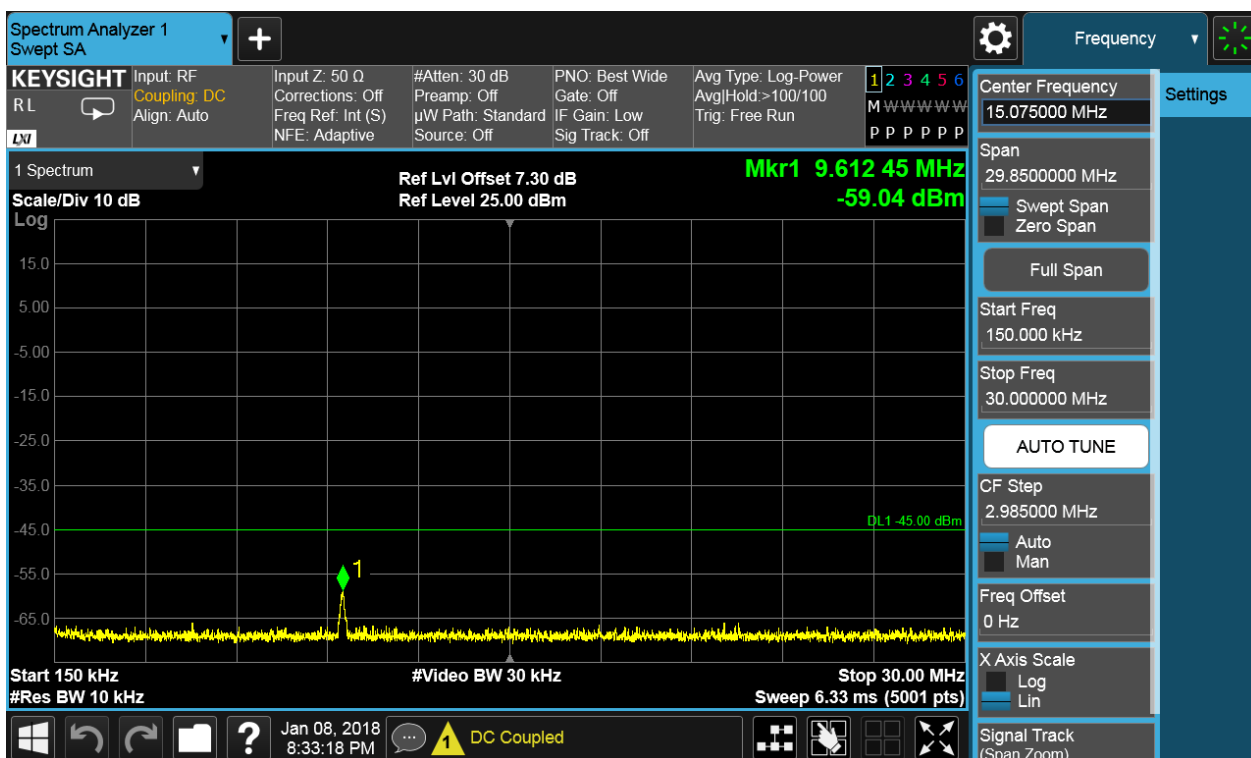


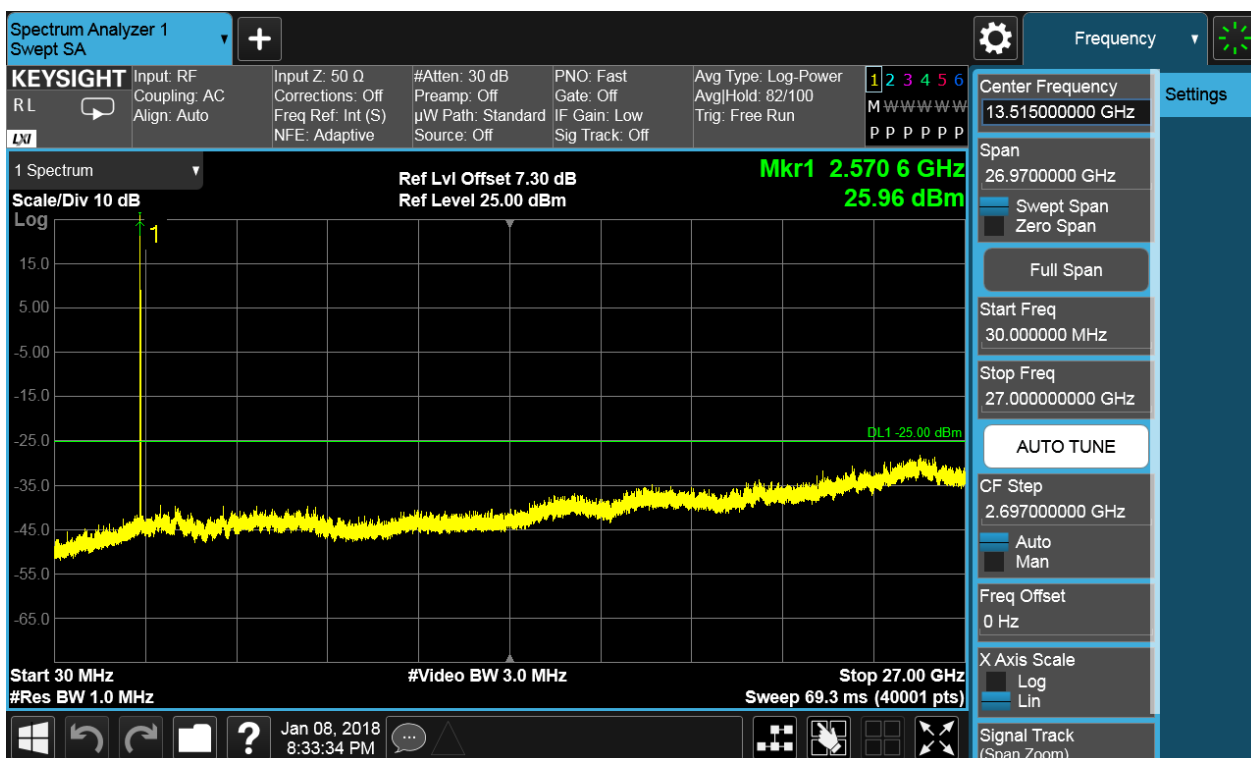
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

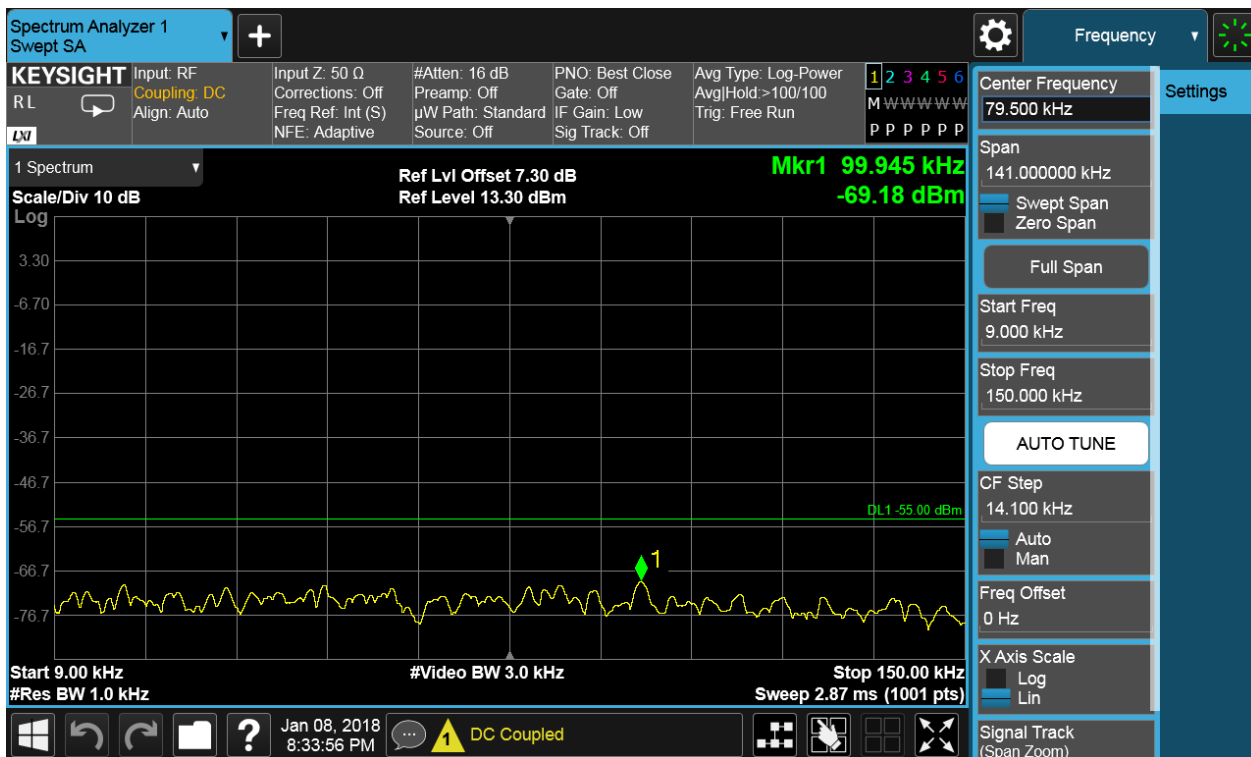


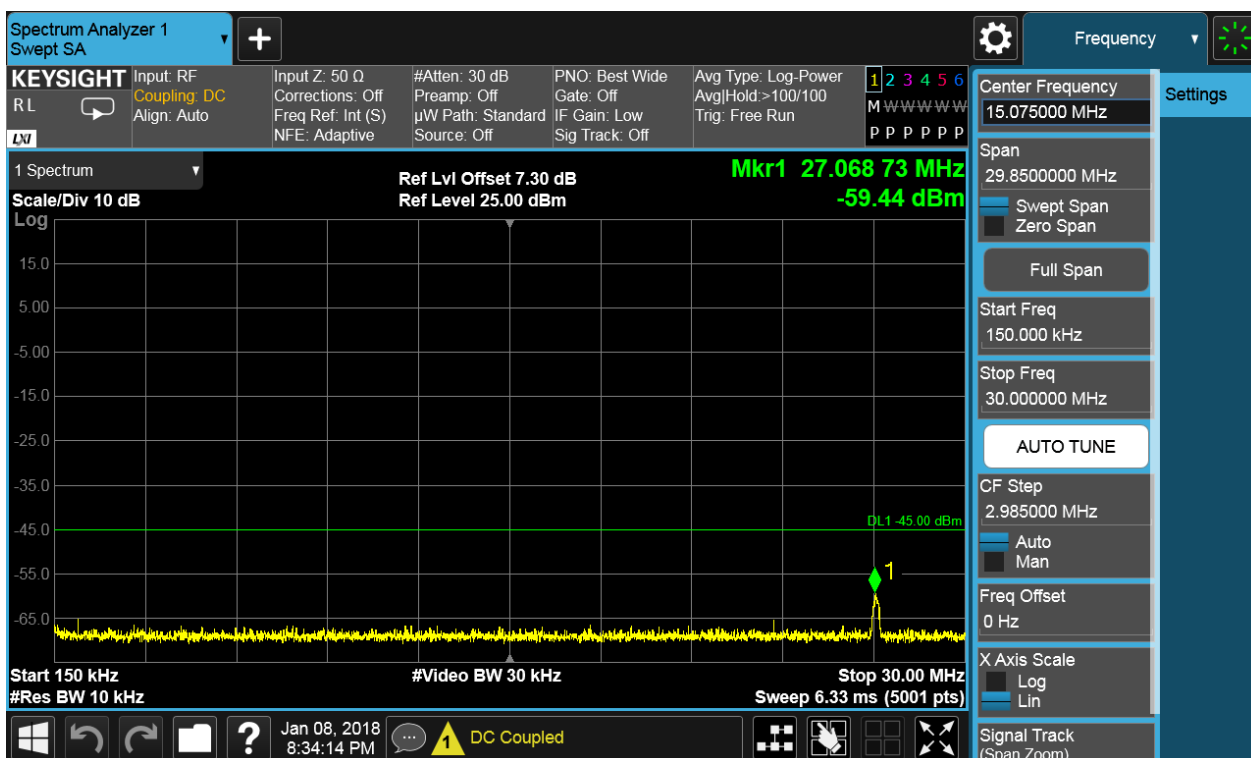


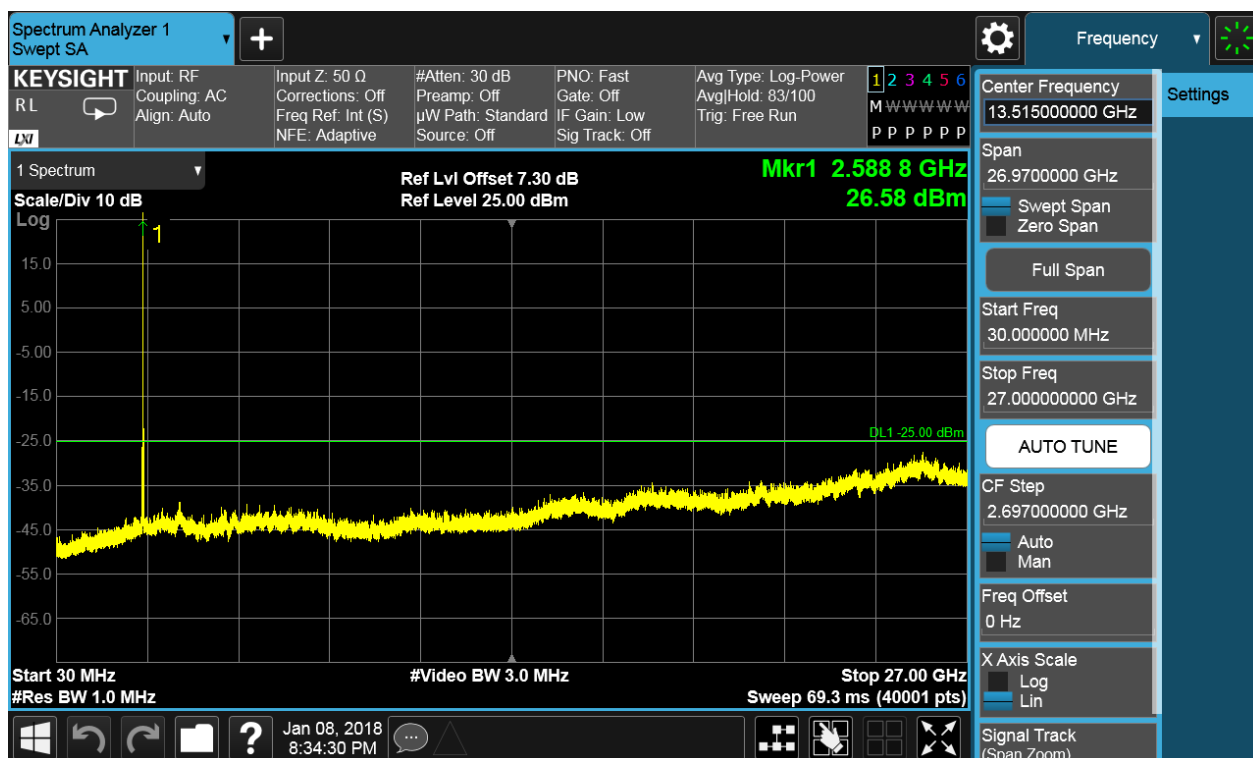


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

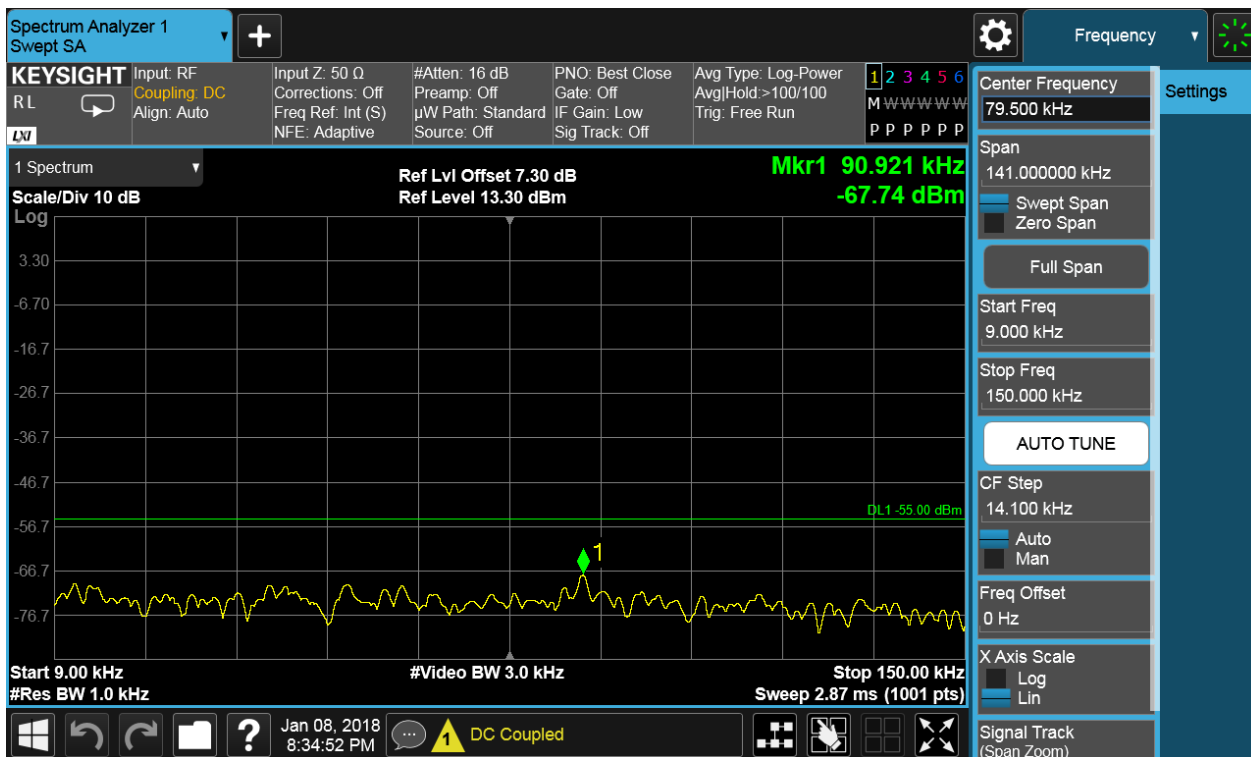


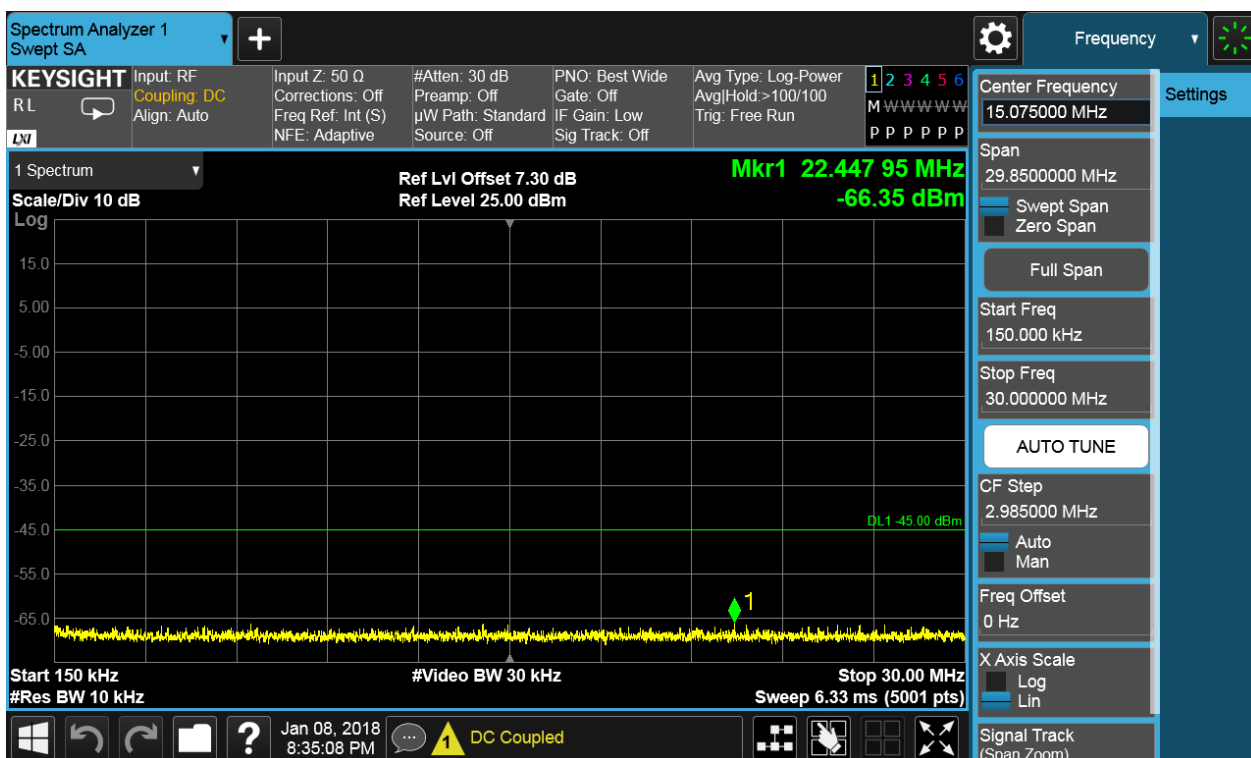


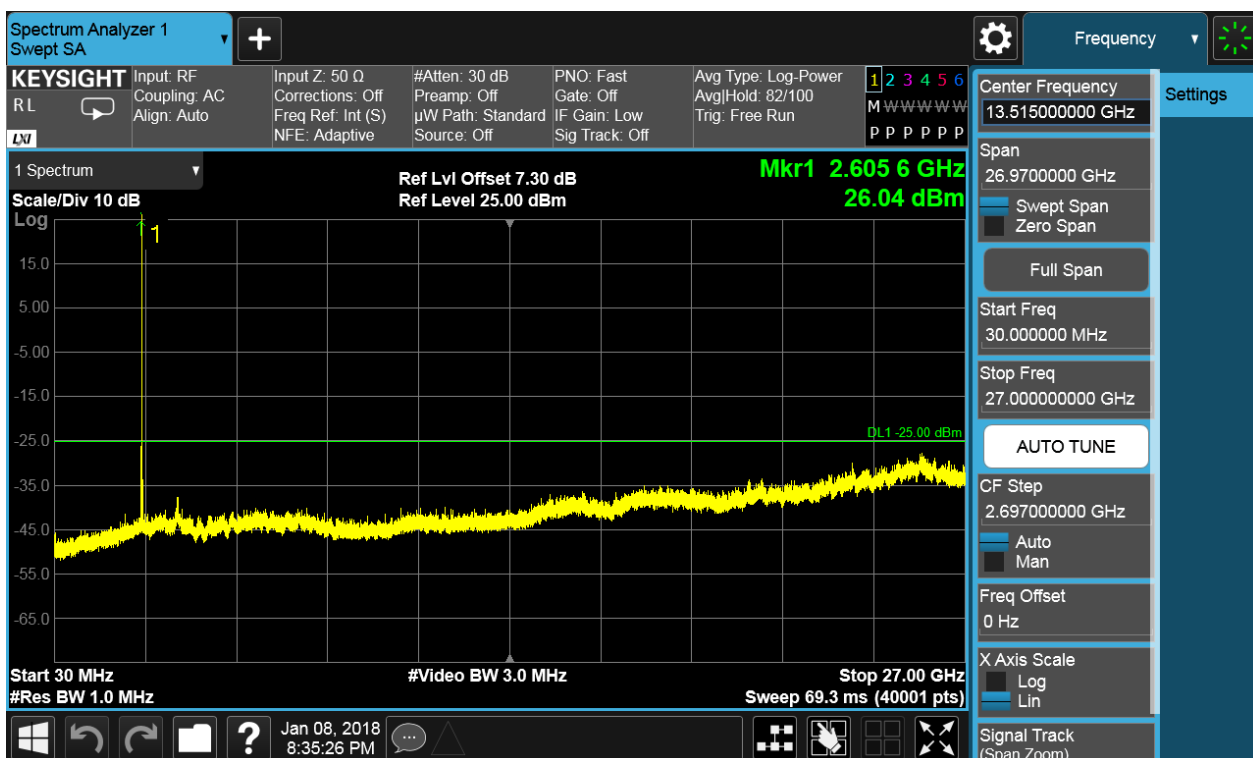


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



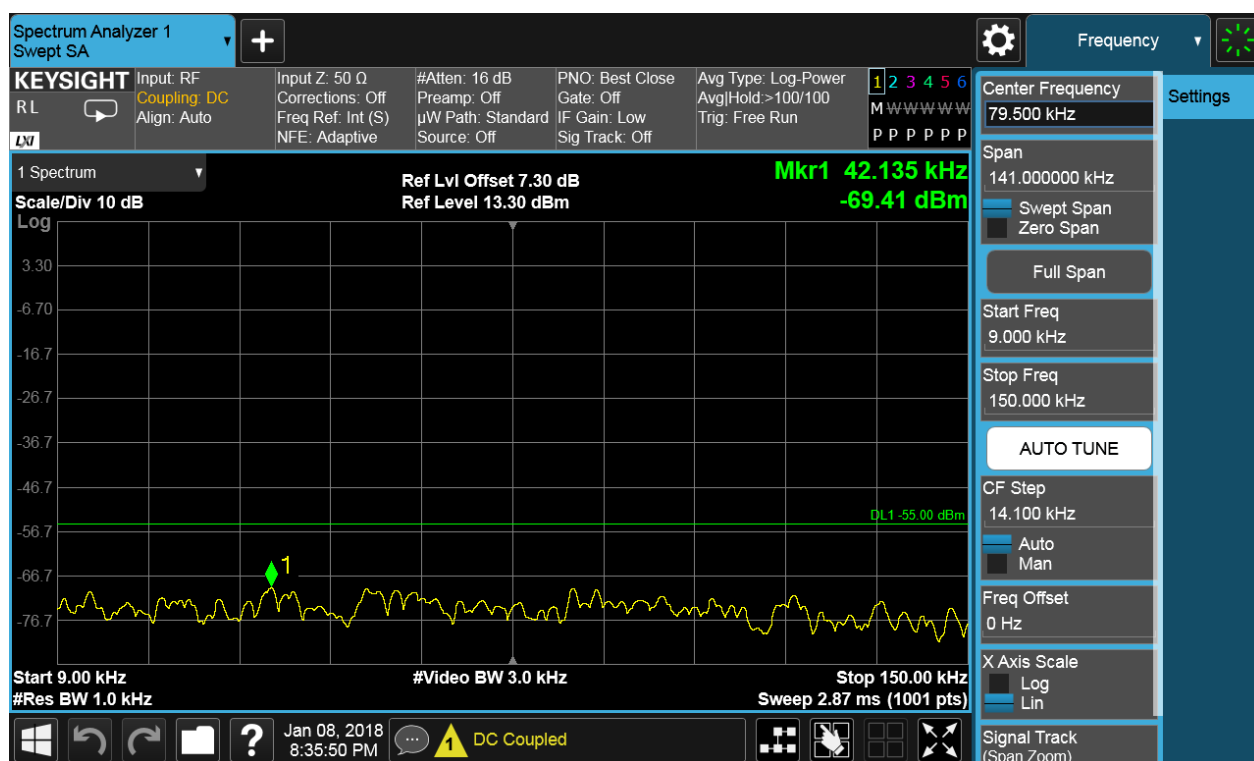


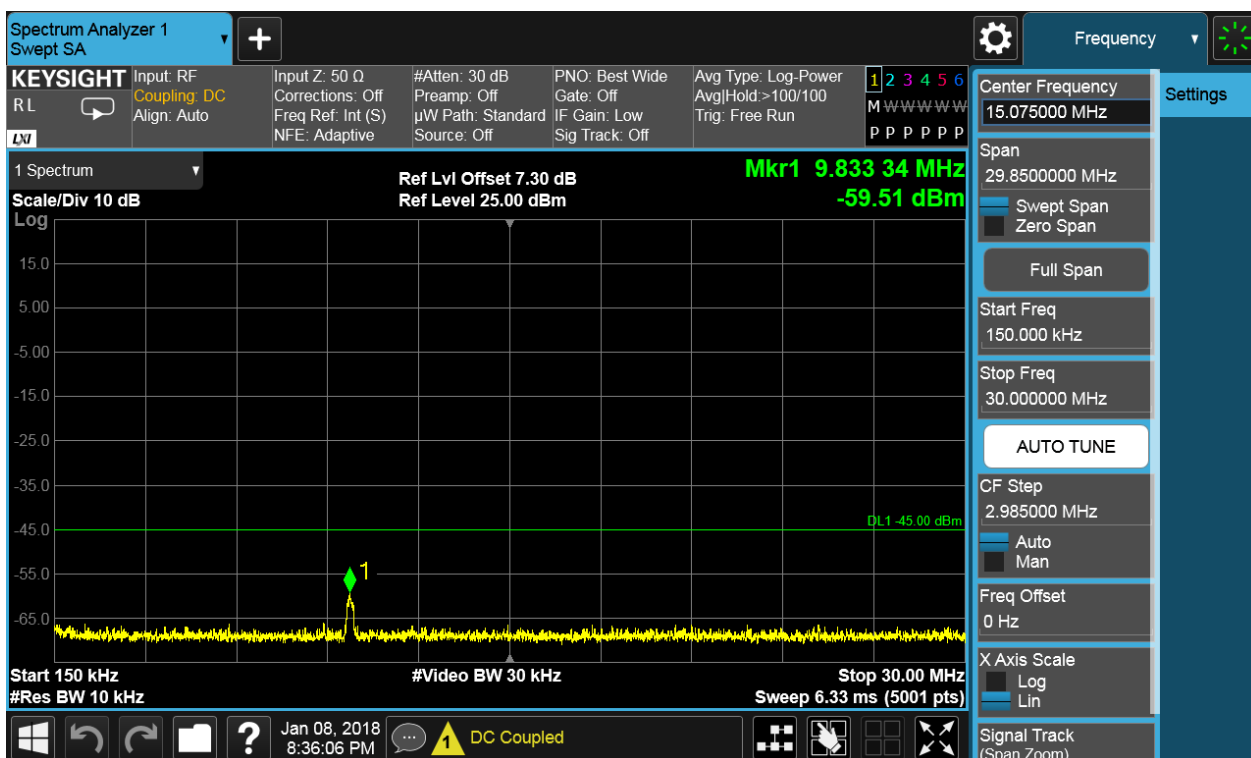


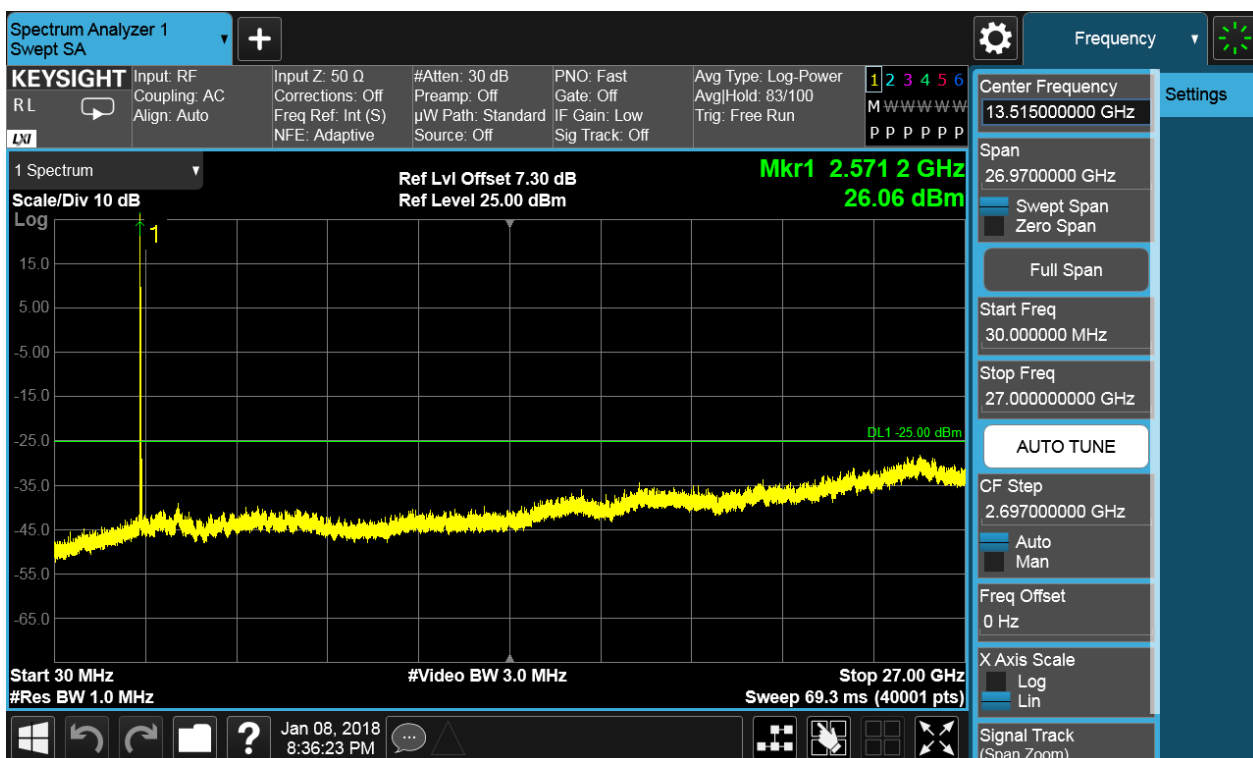
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

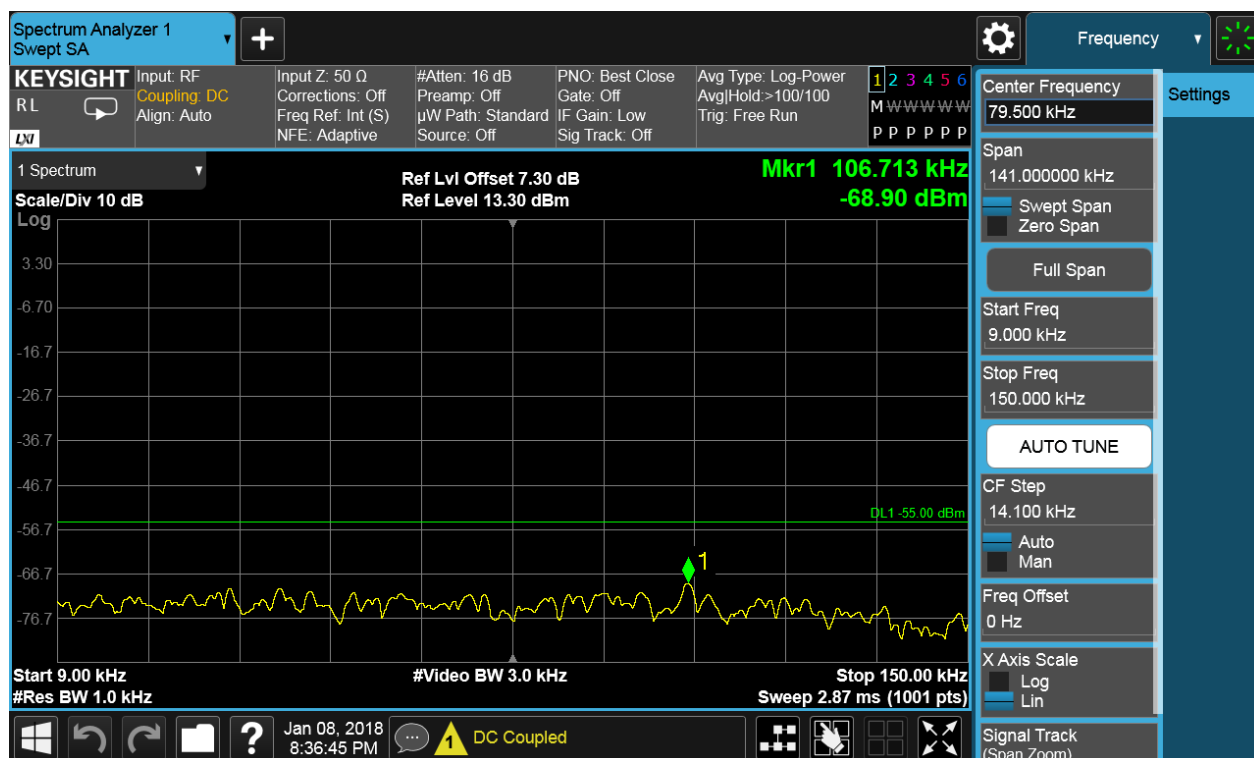


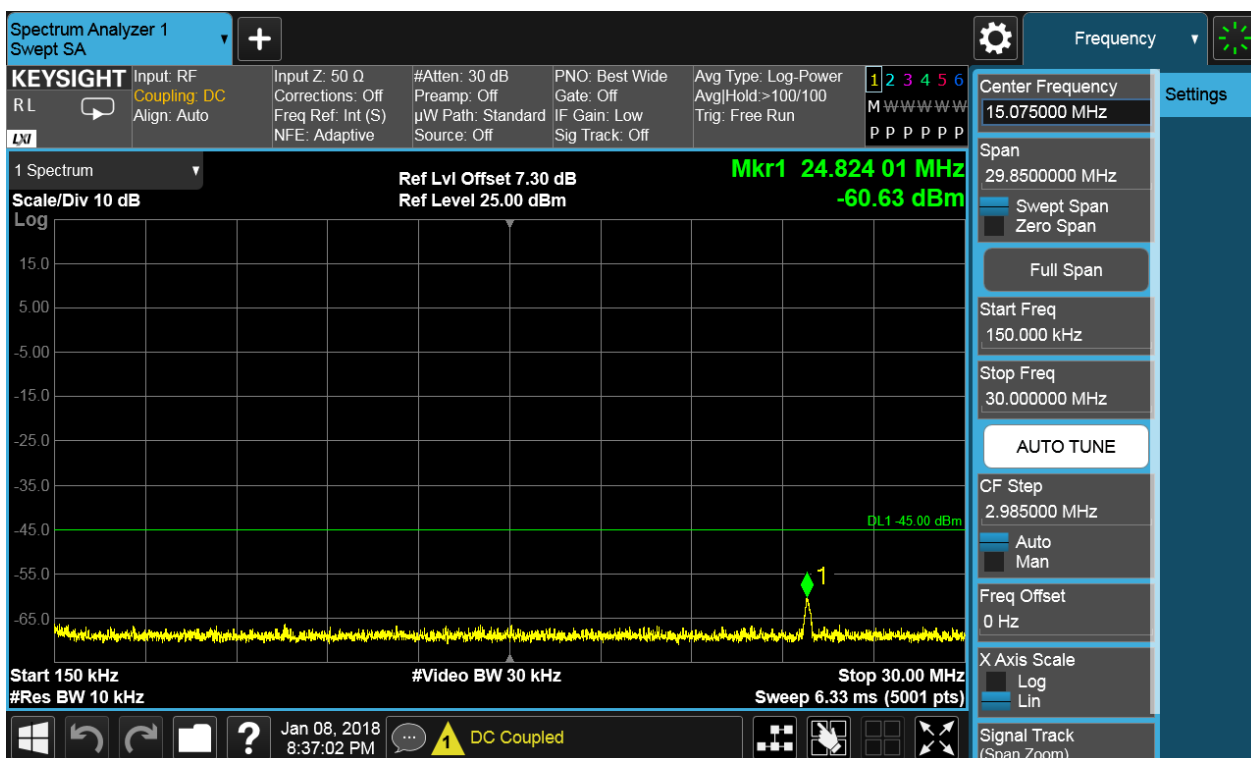


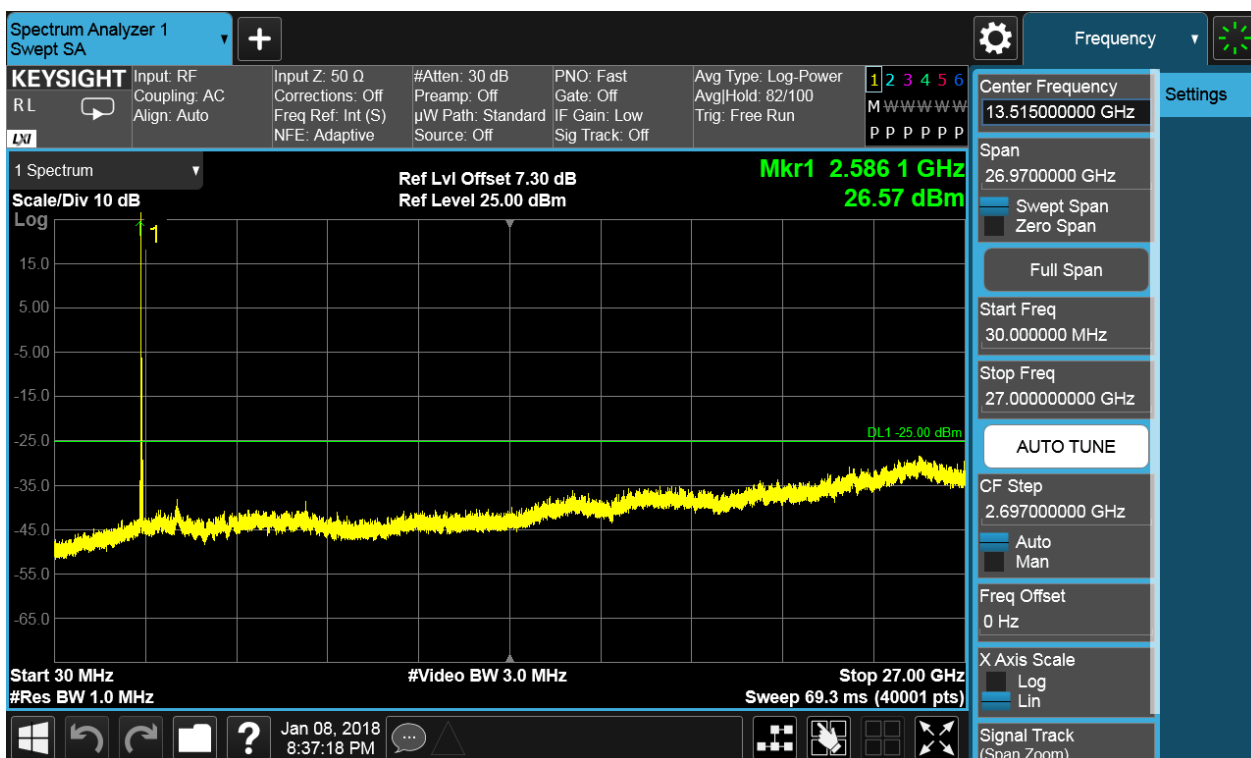


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

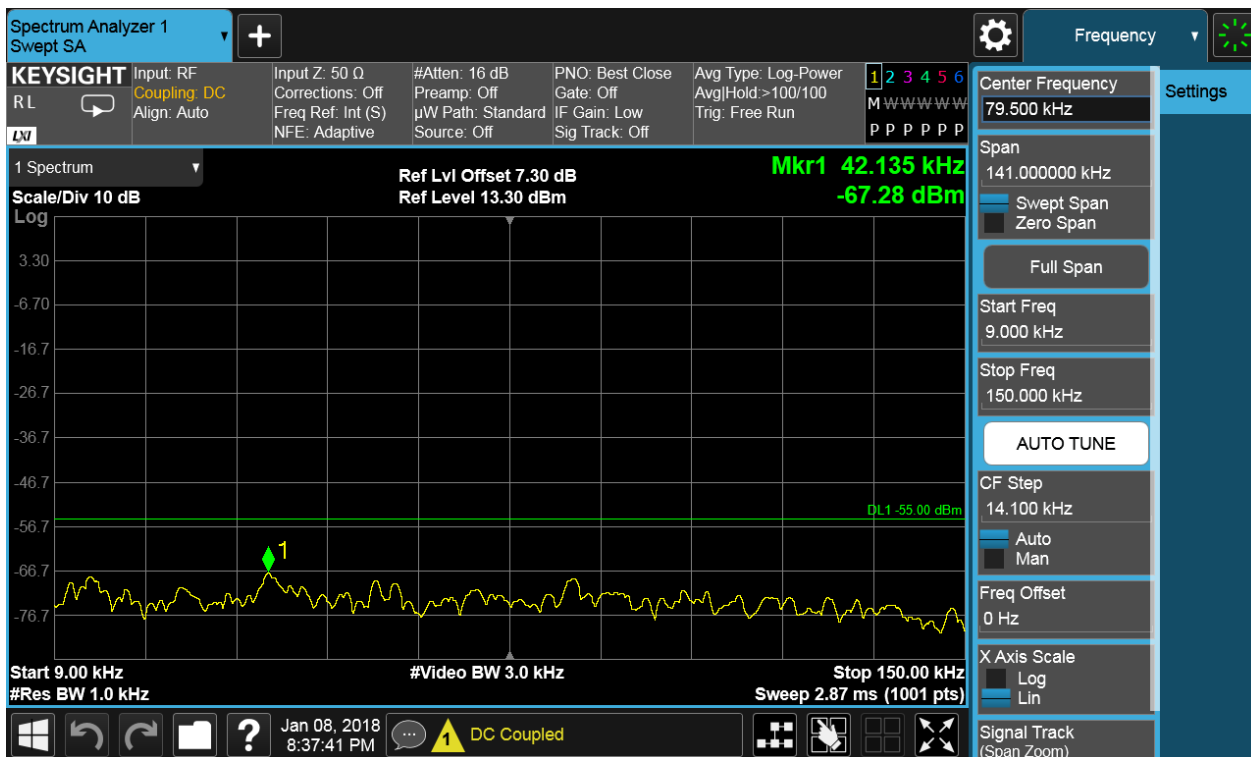


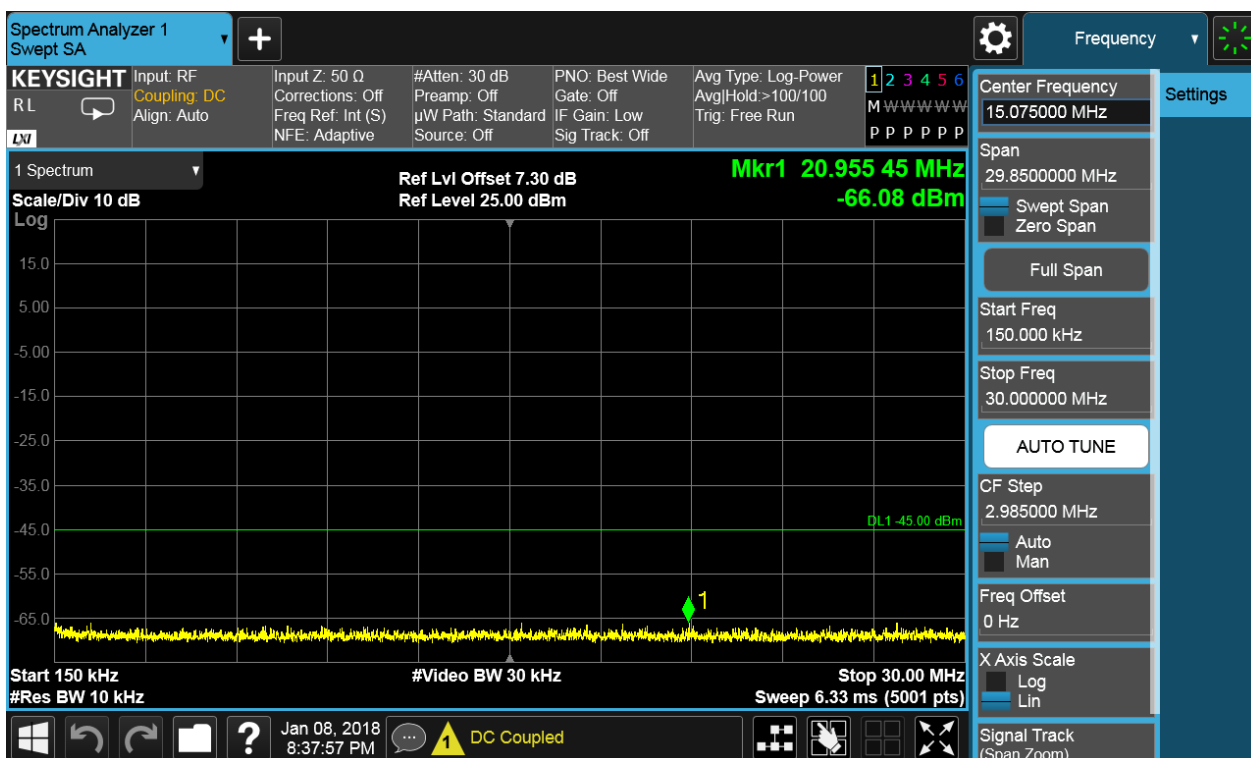


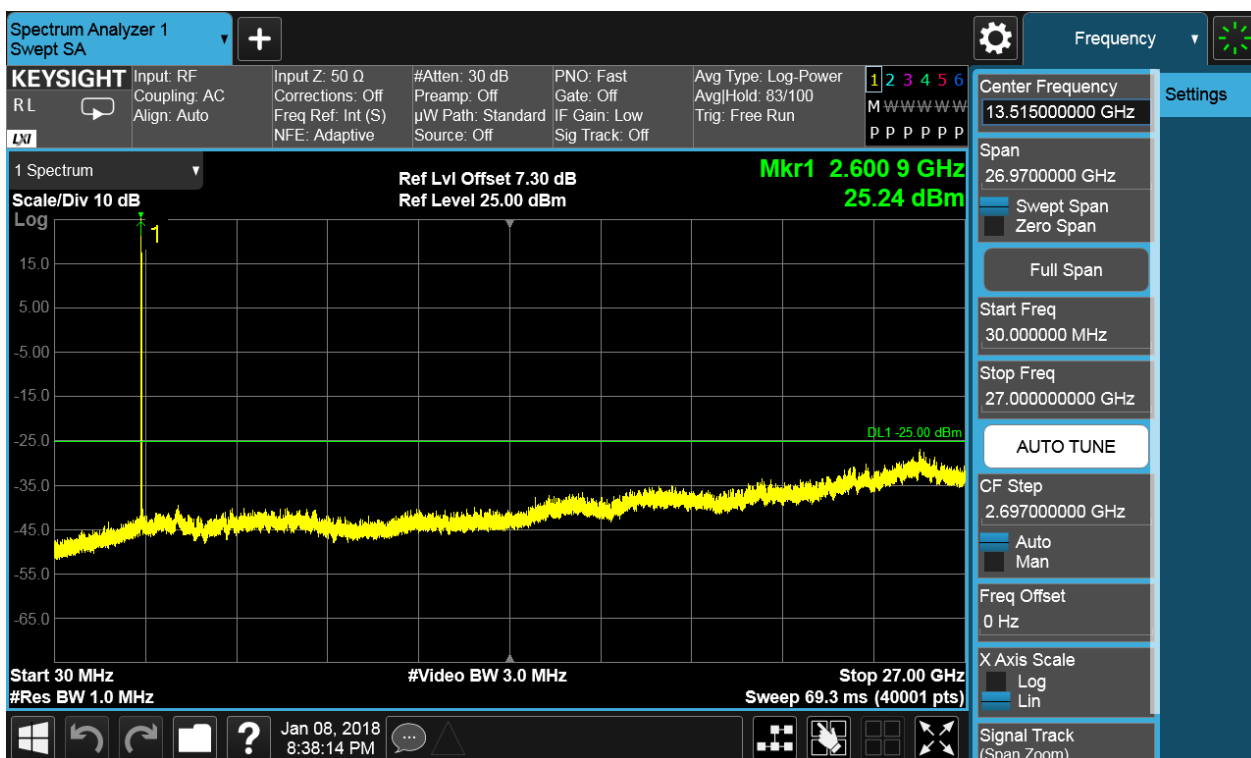


6.1.1.2.4.3 Test Channel = HCH

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

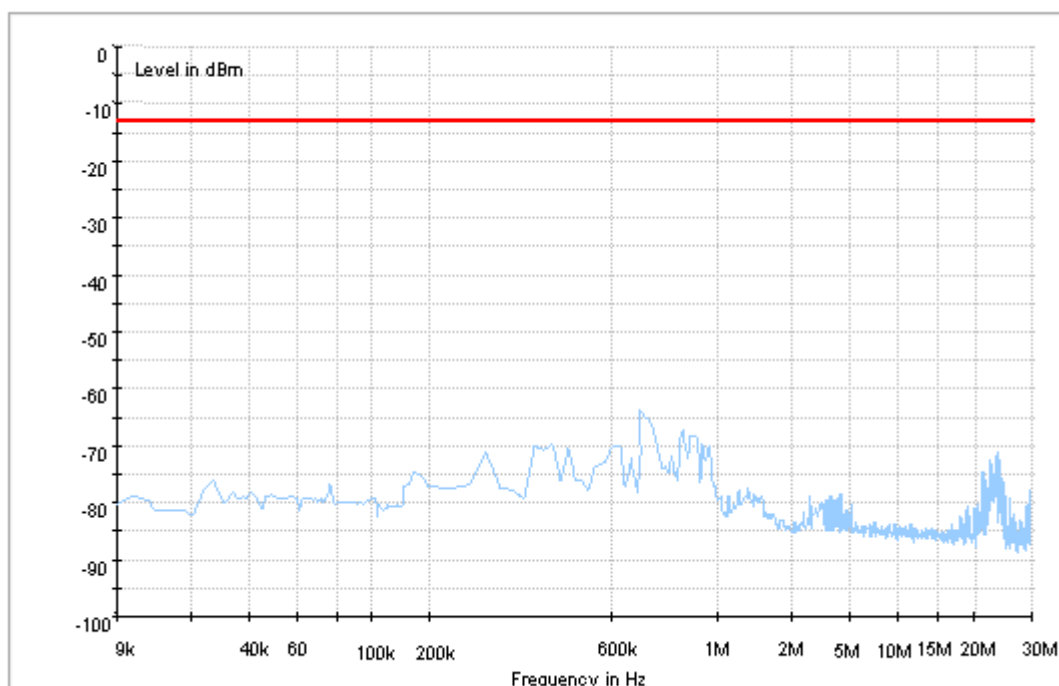
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

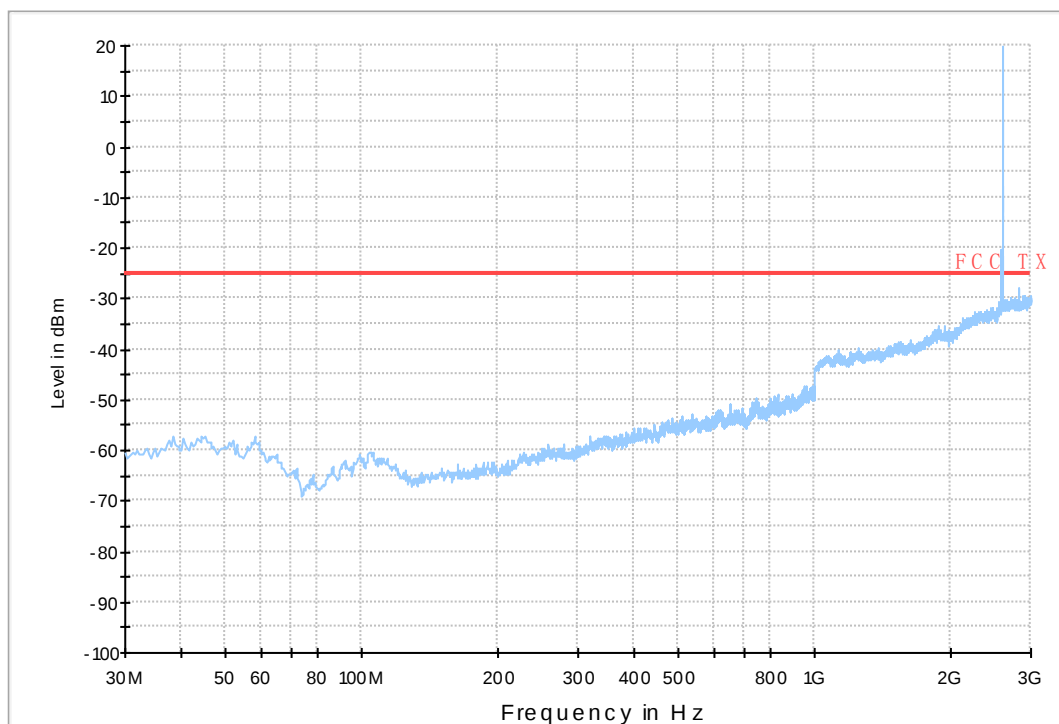
7.1 For LTE

7.1.1 Test Band = BAND38_ANT1

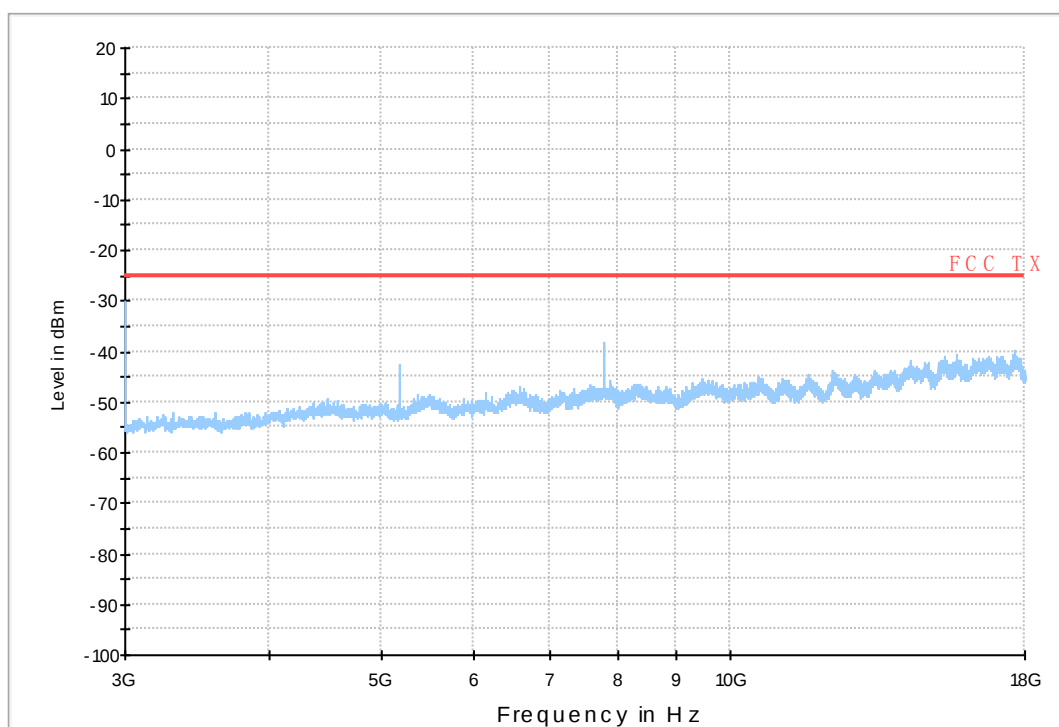
7.1.1.1 Test Bandwidth = 5

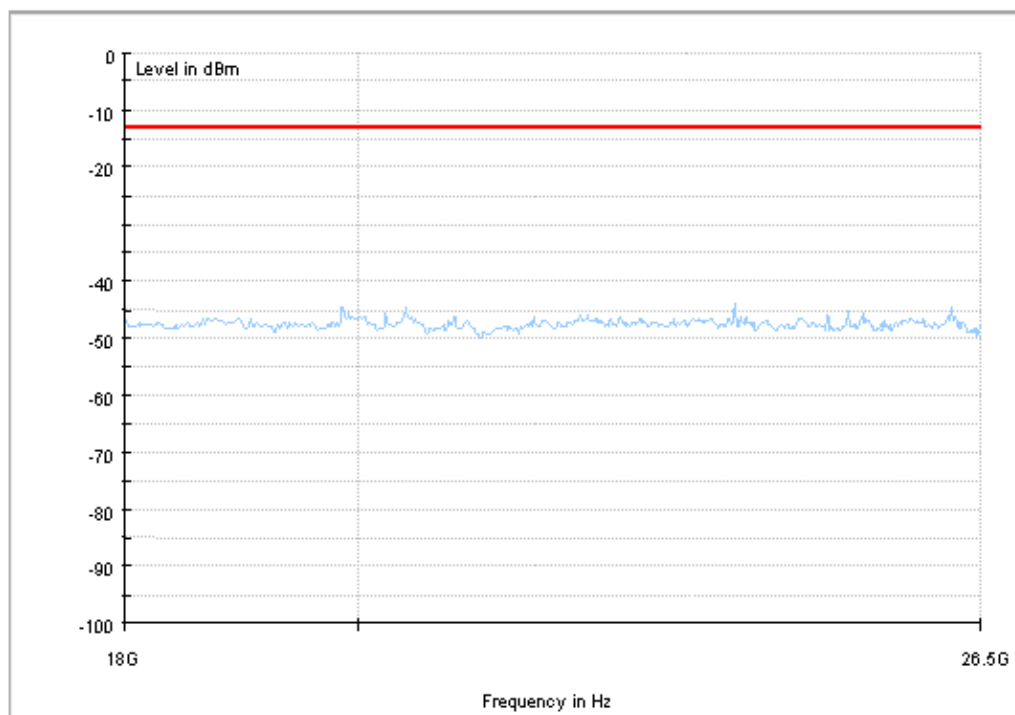


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

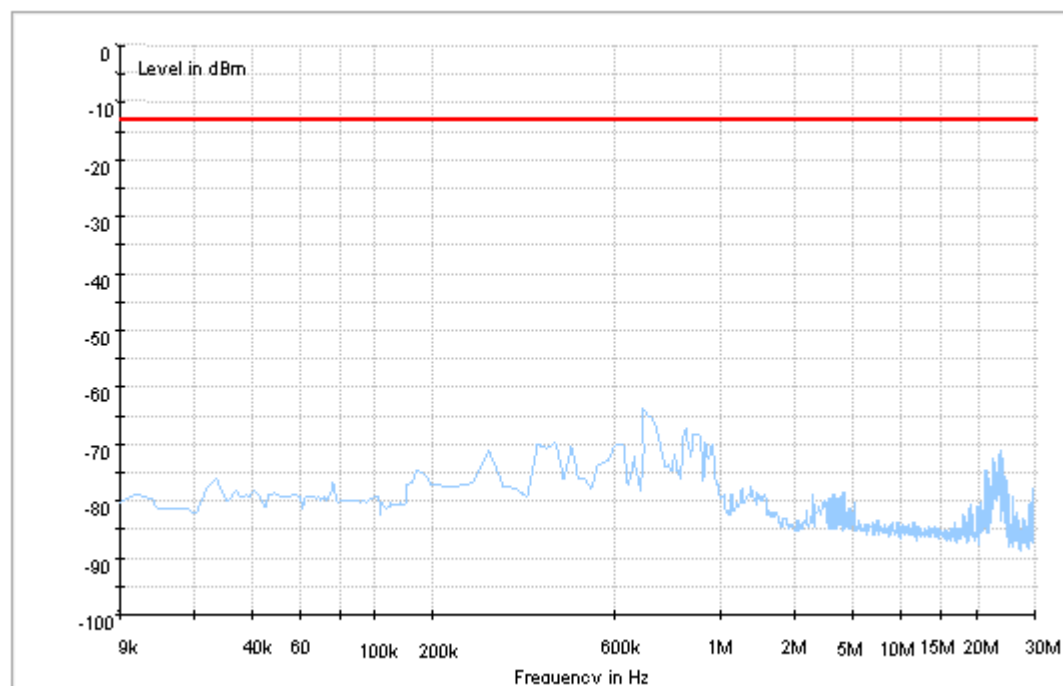


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

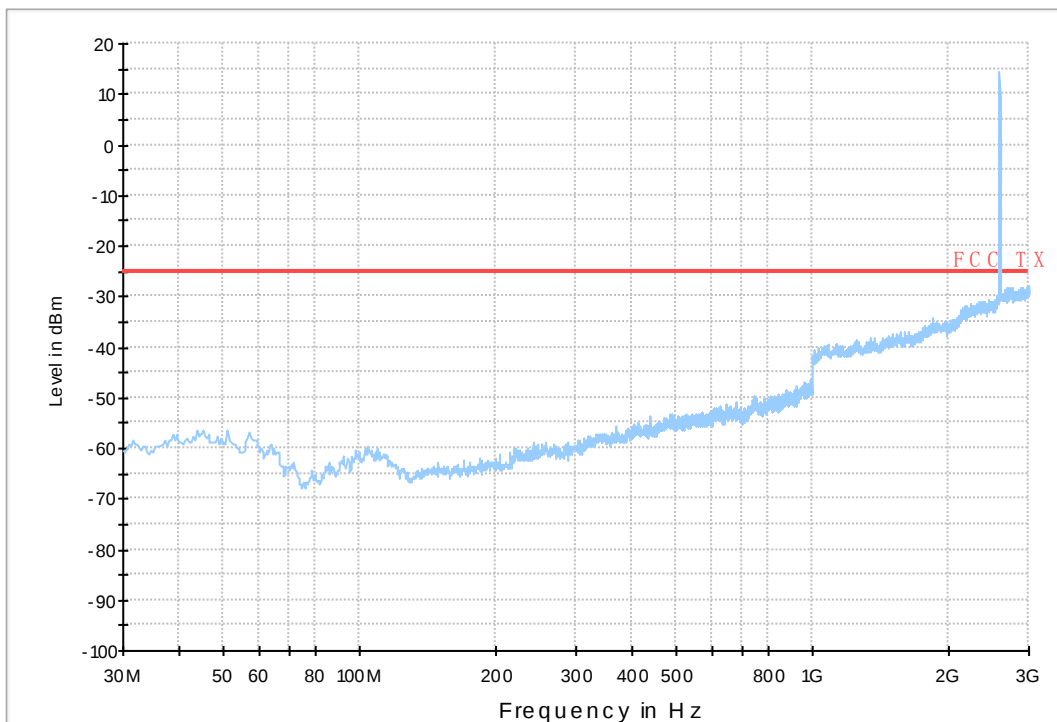




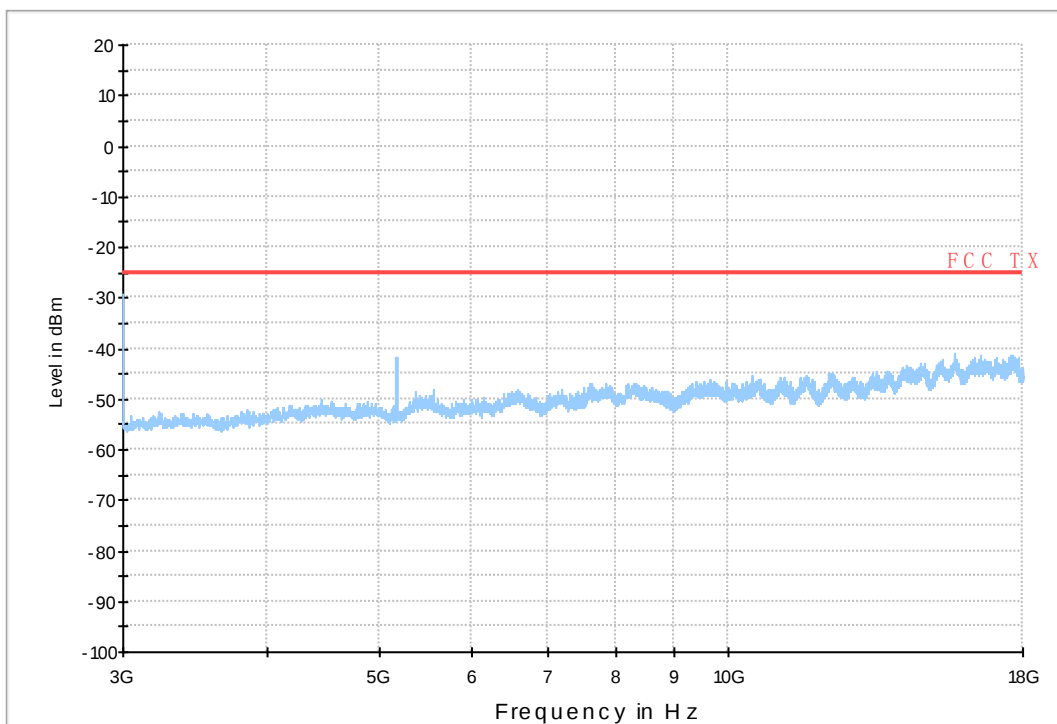
7.1.1.2 Test Bandwidth = 20

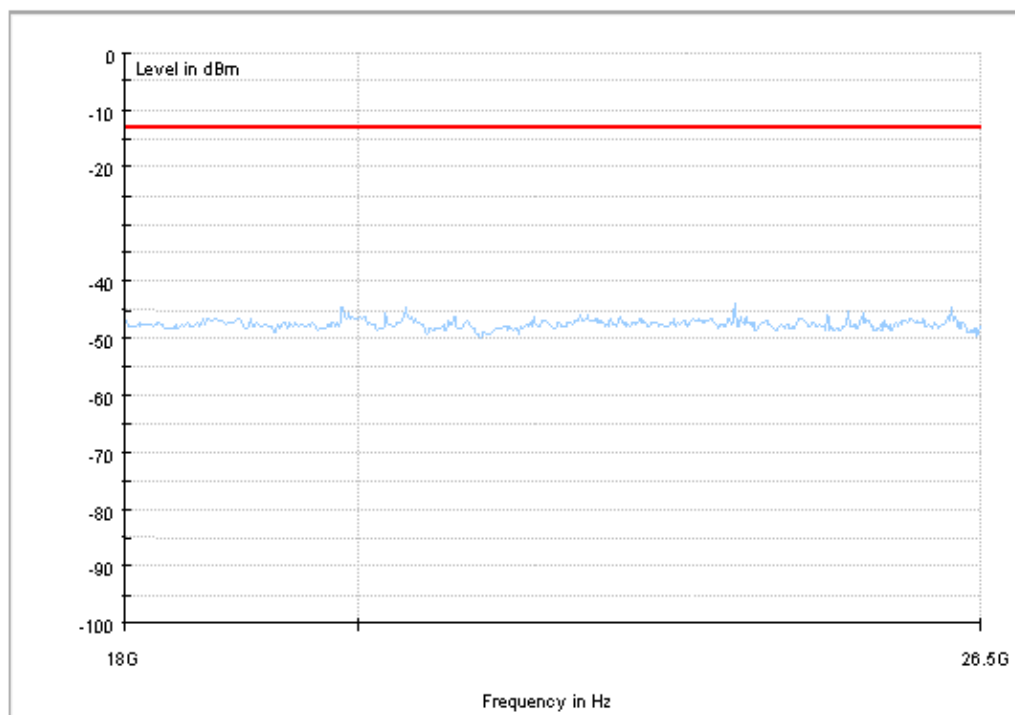


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



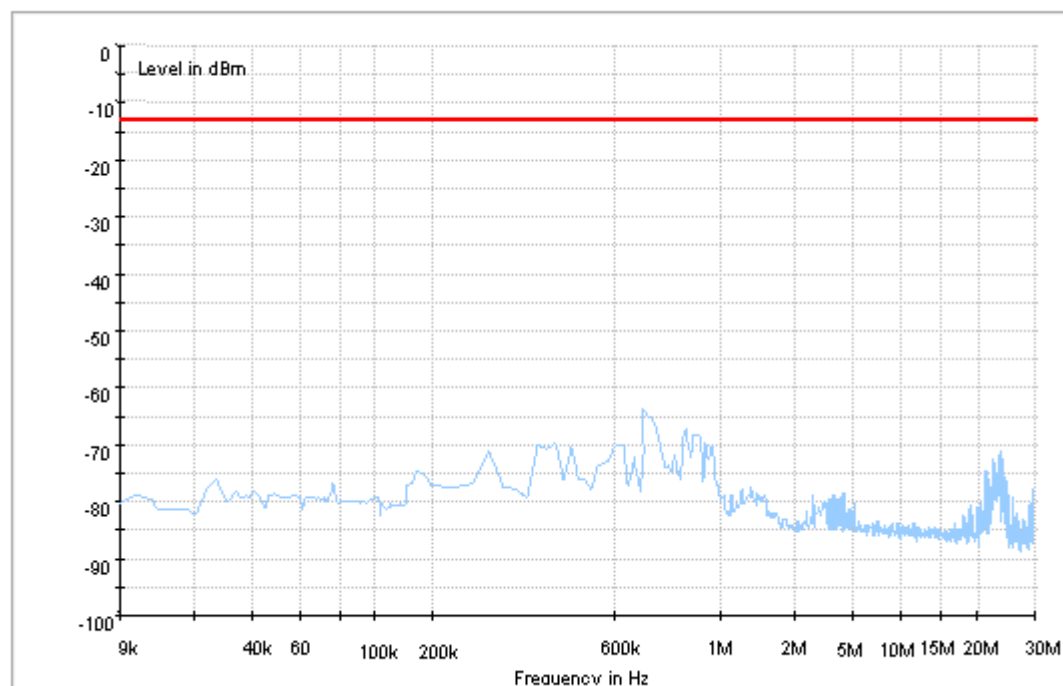
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



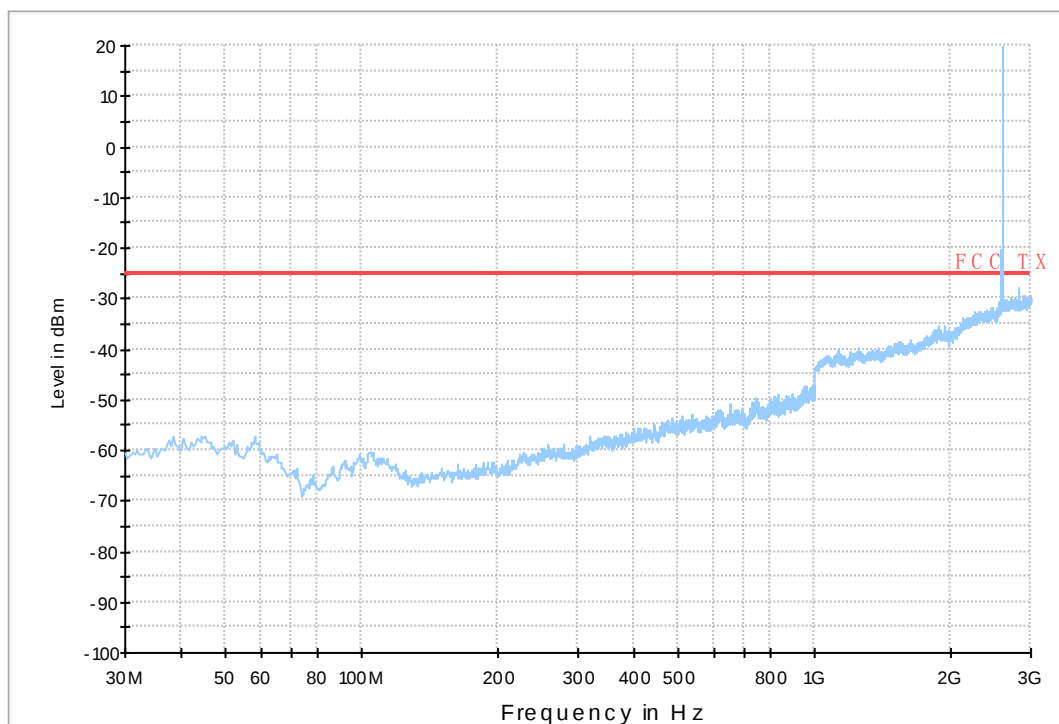


7.1.2 Test Band = BAND38_ANT2

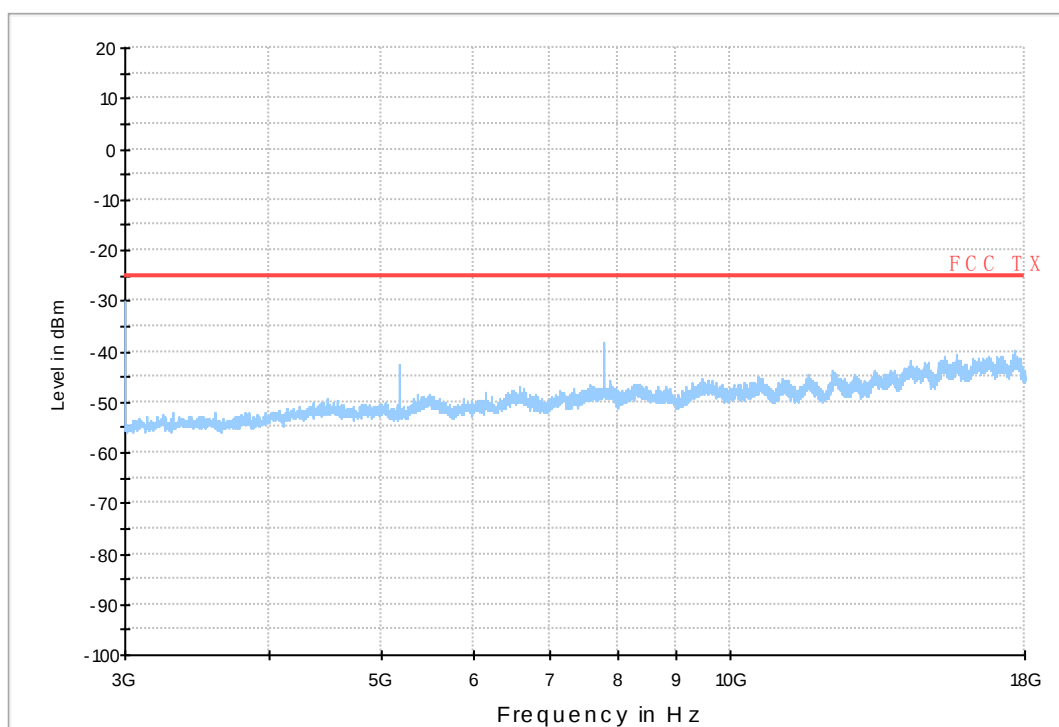
7.1.2.1 Test Bandwidth = 5

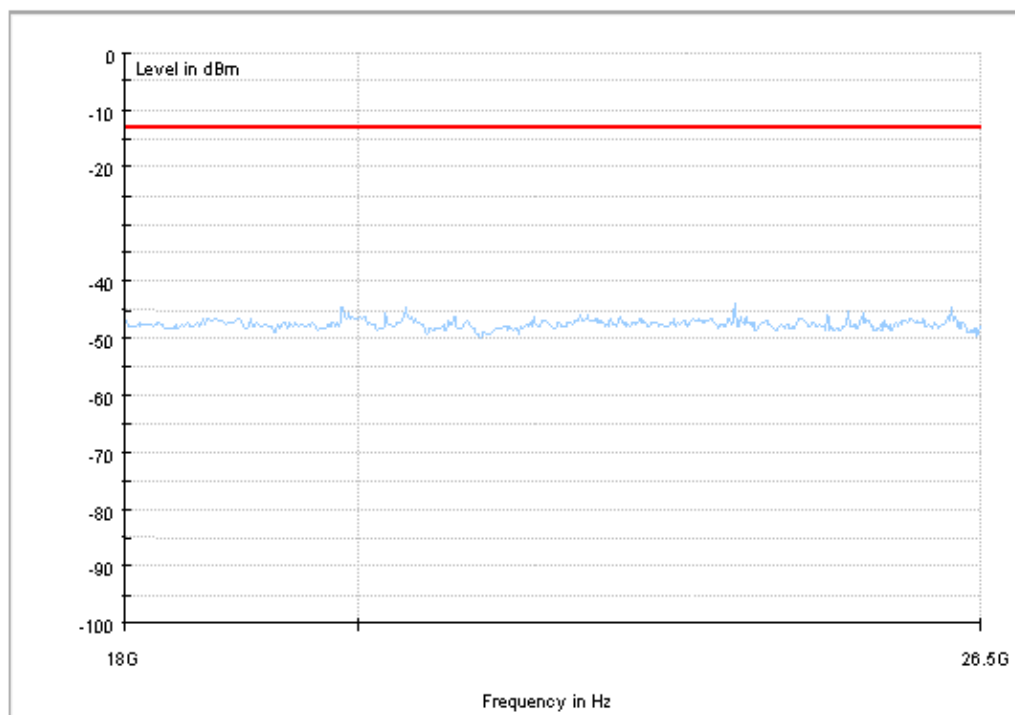


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L

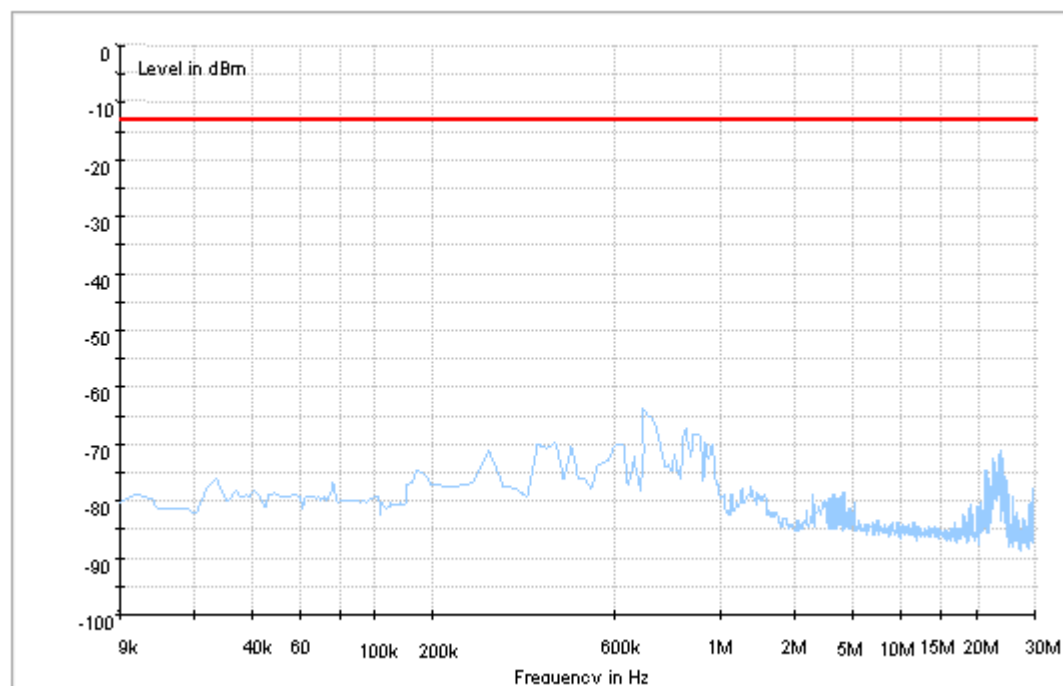


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H

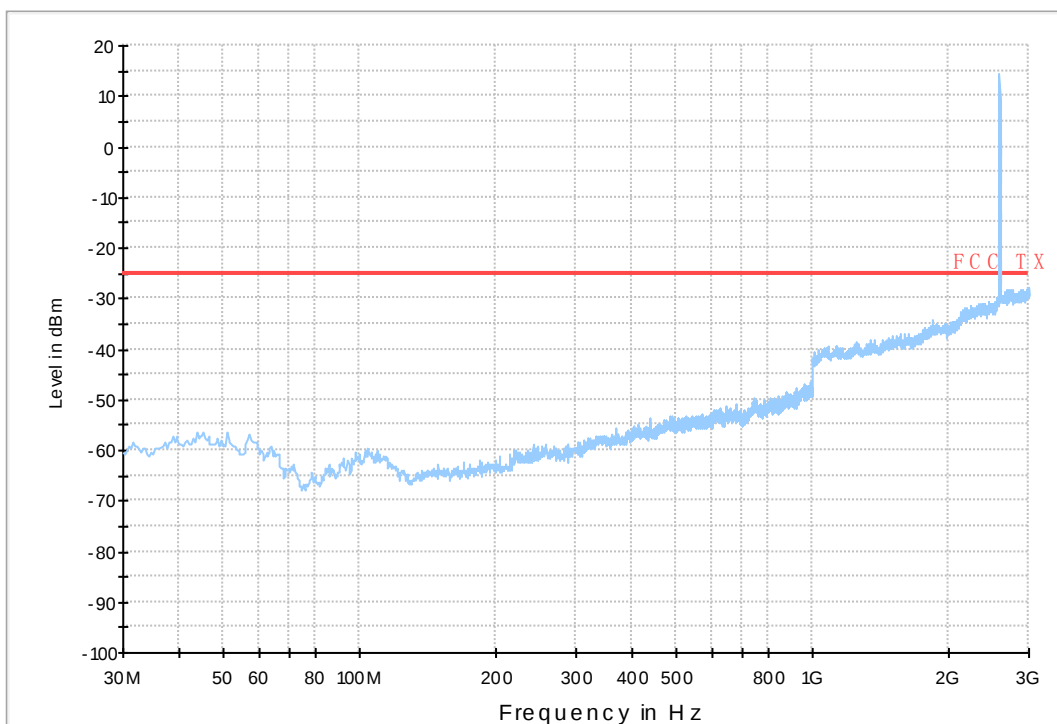




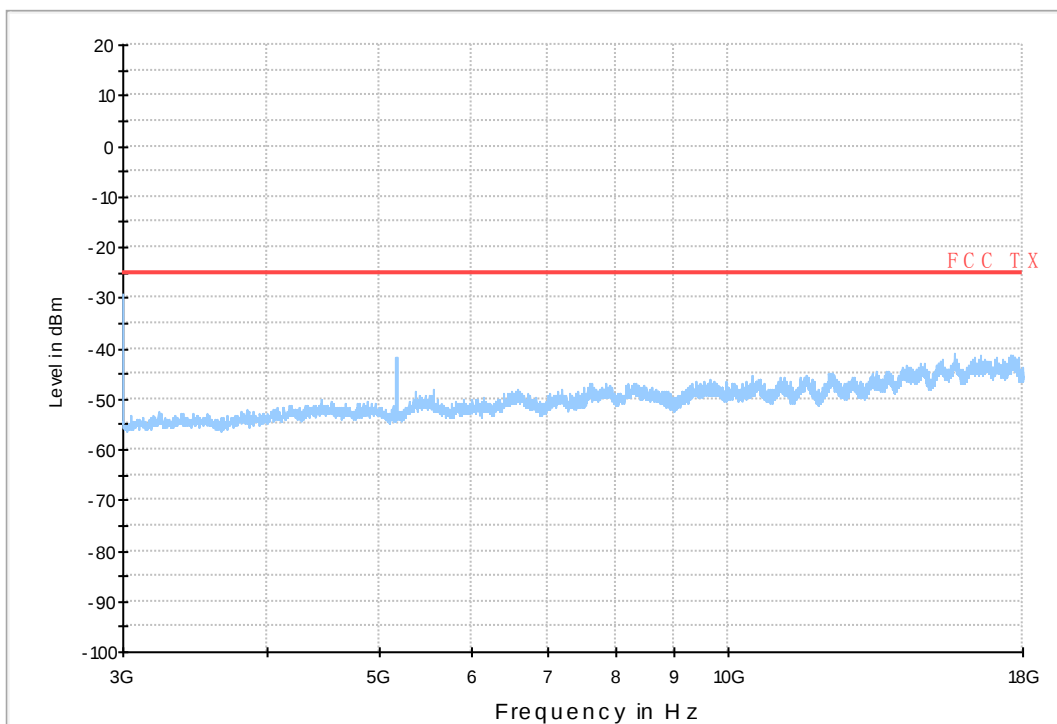
7.1.2.2 Test Bandwidth = 20

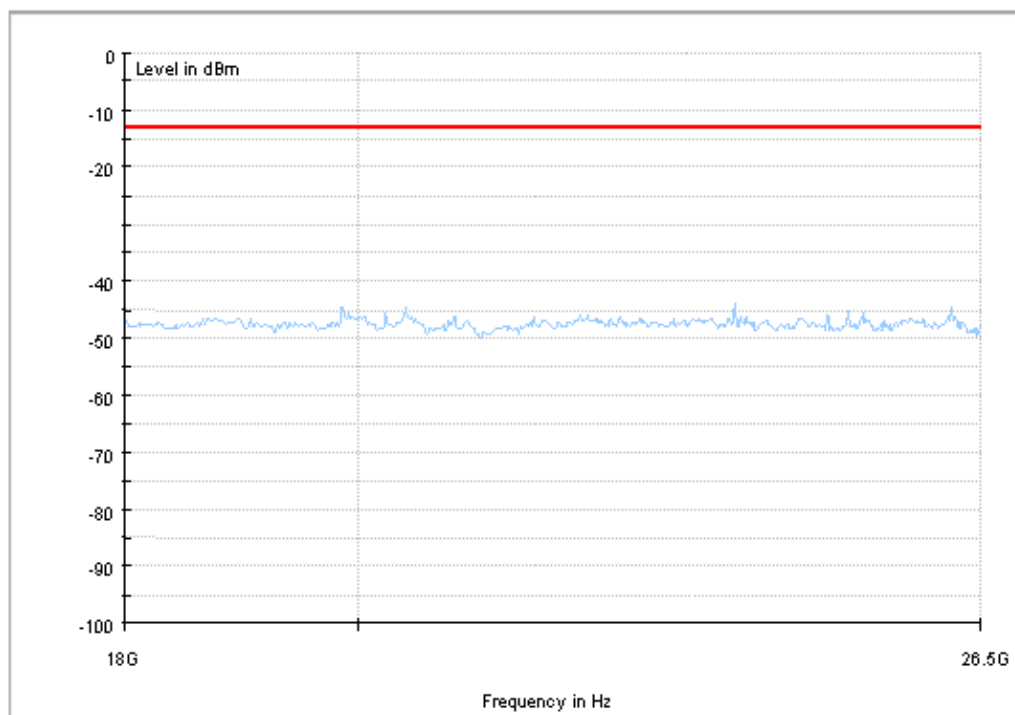


Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



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





8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND38	LTE/TM1	5	LCH	TN	VL	-18.54	-0.00721	PASS
					VN	-16.88	-0.00656	PASS
					VH	-18.91	-0.00735	PASS
			MCH	TN	VL	-20.31	-0.00783	PASS
					VN	-15.71	-0.00605	PASS
					VH	-16.49	-0.00635	PASS
			HCH	TN	VL	-13.82	-0.00528	PASS
					VN	-17.22	-0.00658	PASS
					VH	-15.94	-0.00609	PASS
		10	LCH	TN	VL	-20.93	-0.00813	PASS
					VN	-16.22	-0.0063	PASS
					VH	-21.33	-0.00828	PASS
			MCH	TN	VL	-10.16	-0.00392	PASS
					VN	-18.81	-0.00725	PASS
					VH	-12.85	-0.00495	PASS
			HCH	TN	VL	-12.13	-0.00464	PASS
					VN	-16.58	-0.00634	PASS
					VH	-18.11	-0.00693	PASS
		15	LCH	TN	VL	-17.05	-0.00661	PASS
					VN	-17.14	-0.00665	PASS
					VH	-20.18	-0.00783	PASS
			MCH	TN	VL	-11.20	-0.00432	PASS
					VN	-14.16	-0.00546	PASS
					VH	-15.75	-0.00607	PASS
			HCH	TN	VL	-15.99	-0.00612	PASS
					VN	-17.19	-0.00658	PASS
					VH	-19.04	-0.00729	PASS
		20	LCH	TN	VL	-15.48	-0.006	PASS
					VN	-21.11	-0.00818	PASS
					VH	-20.43	-0.00792	PASS
			MCH	TN	VL	-15.19	-0.00585	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	-16.72	-0.00644	PASS
					VH	-14.25	-0.00549	PASS
					VL	-16.14	-0.00618	PASS
					VN	-15.11	-0.00579	PASS
					VH	-15.45	-0.00592	PASS
	LTE/TM2	5	LCH	TN	VL	-19.23	-0.00748	PASS
					VN	-19.25	-0.00748	PASS
					VH	-16.16	-0.00628	PASS
			MCH	TN	VL	-12.60	-0.00486	PASS
					VN	-13.39	-0.00516	PASS
					VH	-12.76	-0.00492	PASS
			HCH	TN	VL	-15.35	-0.00586	PASS
					VN	-14.82	-0.00566	PASS
					VH	-16.26	-0.00621	PASS
		10	LCH	TN	VL	-15.95	-0.00619	PASS
					VN	-16.82	-0.00653	PASS
					VH	-18.01	-0.00699	PASS
			MCH	TN	VL	-45.18	-0.01741	PASS
					VN	-41.84	-0.01612	PASS
					VH	-36.52	-0.01407	PASS
			HCH	TN	VL	-34.20	-0.01308	PASS
					VN	-35.79	-0.01369	PASS
					VH	-36.03	-0.01378	PASS
		15	LCH	TN	VL	-32.13	-0.01247	PASS
					VN	-36.78	-0.01427	PASS
					VH	-34.79	-0.0135	PASS
			MCH	TN	VL	-26.16	-0.01008	PASS
					VN	-23.72	-0.00914	PASS
					VH	-19.35	-0.00746	PASS
			HCH	TN	VL	-21.94	-0.0084	PASS
					VN	-22.46	-0.0086	PASS
					VH	-25.86	-0.0099	PASS
		20	LCH	TN	VL	-18.55	-0.00719	PASS
					VN	-25.26	-0.00979	PASS
					VH	-26.15	-0.01014	PASS
			MCH	TN	VL	-19.58	-0.00755	PASS
					VN	-19.38	-0.00747	PASS
					VH	-15.11	-0.00582	PASS
			HCH	TN	VL	-21.16	-0.00811	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-19.80	-0.00759	PASS
					VH	-15.68	-0.00601	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
BAND38	LTE/TM1	5	LCH	VN	-30	-15.49	-0.00602	PASS
					-20	-17.37	-0.00675	PASS
					-10	-17.01	-0.00661	PASS
					0	-17.32	-0.00673	PASS
					10	-17.51	-0.00681	PASS
					20	-17.47	-0.00679	PASS
					30	-17.21	-0.00669	PASS
					40	-16.87	-0.00656	PASS
					50	-17.05	-0.00663	PASS
			MCH	VN	-30	-14.31	-0.00551	PASS
					-20	-12.73	-0.00491	PASS
					-10	-12.29	-0.00474	PASS
					0	-13.30	-0.00513	PASS
					10	-13.23	-0.0051	PASS
					20	-13.89	-0.00535	PASS
					30	-12.73	-0.00491	PASS
					40	-12.47	-0.00481	PASS
					50	-13.25	-0.00511	PASS
			HCH	VN	-30	-13.33	-0.00509	PASS
					-20	-13.66	-0.00522	PASS
					-10	-12.76	-0.00487	PASS
					0	-14.51	-0.00554	PASS
					10	-16.25	-0.00621	PASS
					20	-15.65	-0.00598	PASS
					30	-15.55	-0.00594	PASS
					40	-15.95	-0.00609	PASS
					50	-15.49	-0.00592	PASS
		10	LCH	VN	-30	-17.77	-0.0069	PASS
					-20	-23.16	-0.00899	PASS
					-10	-25.35	-0.00984	PASS
					0	-24.78	-0.00962	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-25.12	-0.00976	PASS
					20	-25.56	-0.00993	PASS
					30	-25.31	-0.00983	PASS
					40	-22.44	-0.00871	PASS
					50	-24.36	-0.00946	PASS
			MCH	VN	-30	-16.95	-0.00653	PASS
					-20	-14.61	-0.00563	PASS
					-10	-17.72	-0.00683	PASS
					0	-12.57	-0.00484	PASS
					10	-6.67	-0.00257	PASS
					20	-13.82	-0.00533	PASS
					30	-10.60	-0.00408	PASS
					40	-9.44	-0.00364	PASS
					50	-13.46	-0.00519	PASS
			HCH	VN	-30	-14.33	-0.00548	PASS
					-20	-12.22	-0.00467	PASS
					-10	-16.84	-0.00644	PASS
					0	-17.32	-0.00662	PASS
					10	-18.58	-0.00711	PASS
					20	-18.75	-0.00717	PASS
					30	-18.21	-0.00696	PASS
					40	-17.05	-0.00652	PASS
					50	-21.34	-0.00816	PASS
		15	LCH	VN	-30	-16.55	-0.00642	PASS
					-20	-19.31	-0.00749	PASS
					-10	-24.65	-0.00956	PASS
					0	-25.58	-0.00992	PASS
					10	-21.13	-0.0082	PASS
					20	-25.43	-0.00987	PASS
					30	-21.43	-0.00831	PASS
					40	-21.37	-0.00829	PASS
					50	-20.13	-0.00781	PASS
			MCH	VN	-30	-13.49	-0.0052	PASS
					-20	-12.93	-0.00498	PASS
					-10	-15.28	-0.00589	PASS
					0	-12.27	-0.00473	PASS
					10	-18.37	-0.00708	PASS
					20	-17.11	-0.00659	PASS
					30	-10.01	-0.00386	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-15.19	-0.00585	PASS
					50	-9.38	-0.00361	PASS
			HCH	VN	-30	-14.76	-0.00565	PASS
					-20	-14.96	-0.00573	PASS
					-10	-18.37	-0.00703	PASS
					0	-18.22	-0.00697	PASS
					10	-18.28	-0.007	PASS
					20	-15.62	-0.00598	PASS
					30	-16.49	-0.00631	PASS
					40	-18.53	-0.00709	PASS
					50	-17.92	-0.00686	PASS
		20	LCH	VN	-30	-12.53	-0.00486	PASS
					-20	-21.01	-0.00814	PASS
					-10	-18.95	-0.00734	PASS
					0	-23.72	-0.00919	PASS
					10	-23.60	-0.00915	PASS
					20	-20.87	-0.00809	PASS
					30	-20.71	-0.00803	PASS
					40	-19.15	-0.00742	PASS
					50	-18.37	-0.00712	PASS
			MCH	VN	-30	-14.49	-0.00558	PASS
					-20	-13.52	-0.00521	PASS
					-10	-11.10	-0.00428	PASS
					0	-14.56	-0.00561	PASS
					10	-12.50	-0.00482	PASS
					20	-13.05	-0.00503	PASS
					30	-15.25	-0.00588	PASS
					40	-14.20	-0.00547	PASS
					50	-13.48	-0.00519	PASS
			HCH	VN	-30	-14.98	-0.00574	PASS
					-20	-12.02	-0.00461	PASS
					-10	-12.04	-0.00461	PASS
					0	-18.74	-0.00718	PASS
					10	-15.06	-0.00577	PASS
					20	-16.44	-0.0063	PASS
					30	-18.47	-0.00708	PASS
					40	-13.99	-0.00536	PASS
					50	-13.98	-0.00536	PASS
	LTE/TM2	5	LCH	VN	-30	-13.69	-0.00532	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-11.73	-0.00456	PASS
					-10	-11.49	-0.00447	PASS
					0	-13.02	-0.00506	PASS
					10	-14.18	-0.00551	PASS
					20	-12.69	-0.00493	PASS
					30	-13.55	-0.00527	PASS
					40	-14.73	-0.00573	PASS
					50	-15.03	-0.00584	PASS
			MCH	VN	-30	-13.50	-0.0052	PASS
					-20	-14.46	-0.00557	PASS
					-10	-12.60	-0.00486	PASS
					0	-13.13	-0.00506	PASS
					10	-12.47	-0.00481	PASS
					20	-12.87	-0.00496	PASS
					30	-12.96	-0.00499	PASS
					40	-12.63	-0.00487	PASS
					50	-13.03	-0.00502	PASS
			HCH	VN	-30	-13.30	-0.00508	PASS
					-20	-13.05	-0.00499	PASS
					-10	-13.63	-0.00521	PASS
					0	-13.88	-0.0053	PASS
					10	-11.14	-0.00426	PASS
					20	-13.26	-0.00507	PASS
					30	-11.64	-0.00445	PASS
					40	-13.48	-0.00515	PASS
					50	-12.70	-0.00485	PASS
		10	LCH	VN	-30	-16.68	-0.00648	PASS
					-20	-21.14	-0.00821	PASS
					-10	-17.15	-0.00666	PASS
					0	-22.33	-0.00867	PASS
					10	-20.21	-0.00785	PASS
					20	-14.13	-0.00549	PASS
					30	-23.96	-0.0093	PASS
					40	-21.00	-0.00816	PASS
					50	-18.80	-0.0073	PASS
			MCH	VN	-30	-14.29	-0.00551	PASS
					-20	-16.15	-0.00622	PASS
					-10	-9.00	-0.00347	PASS
					0	-12.00	-0.00462	PASS