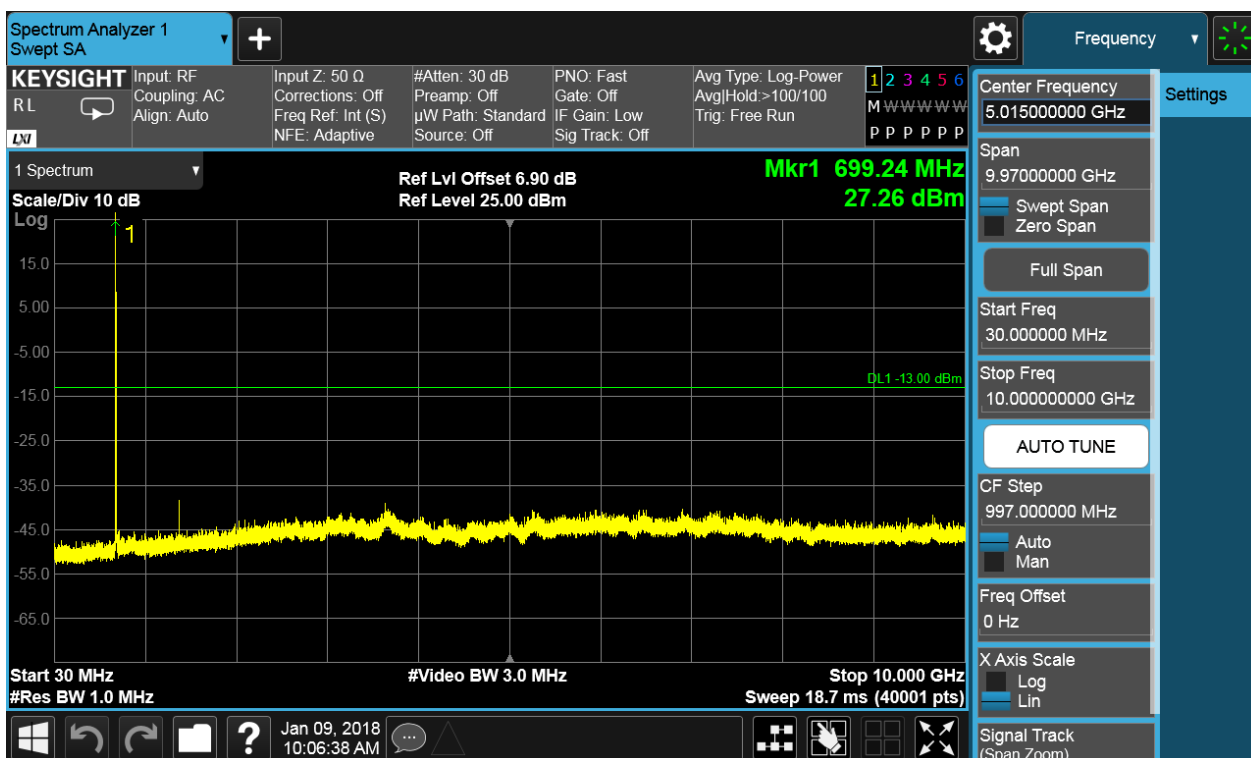
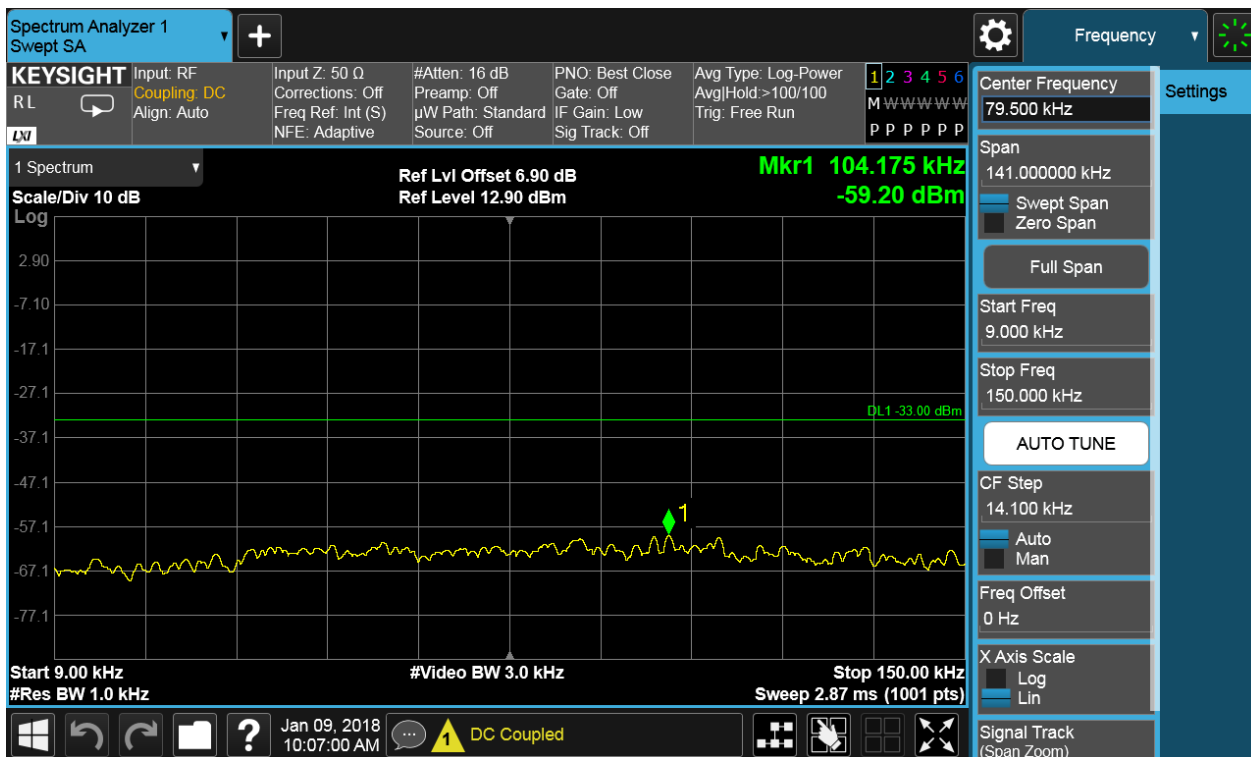
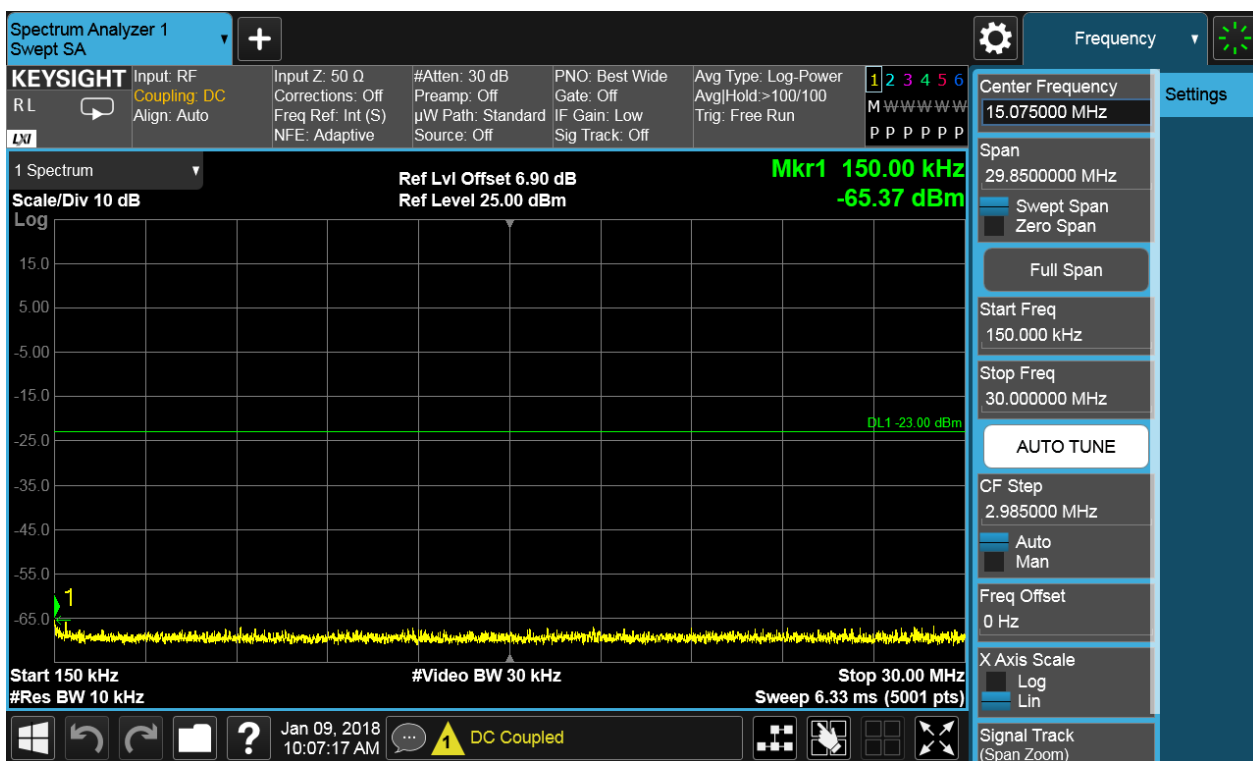


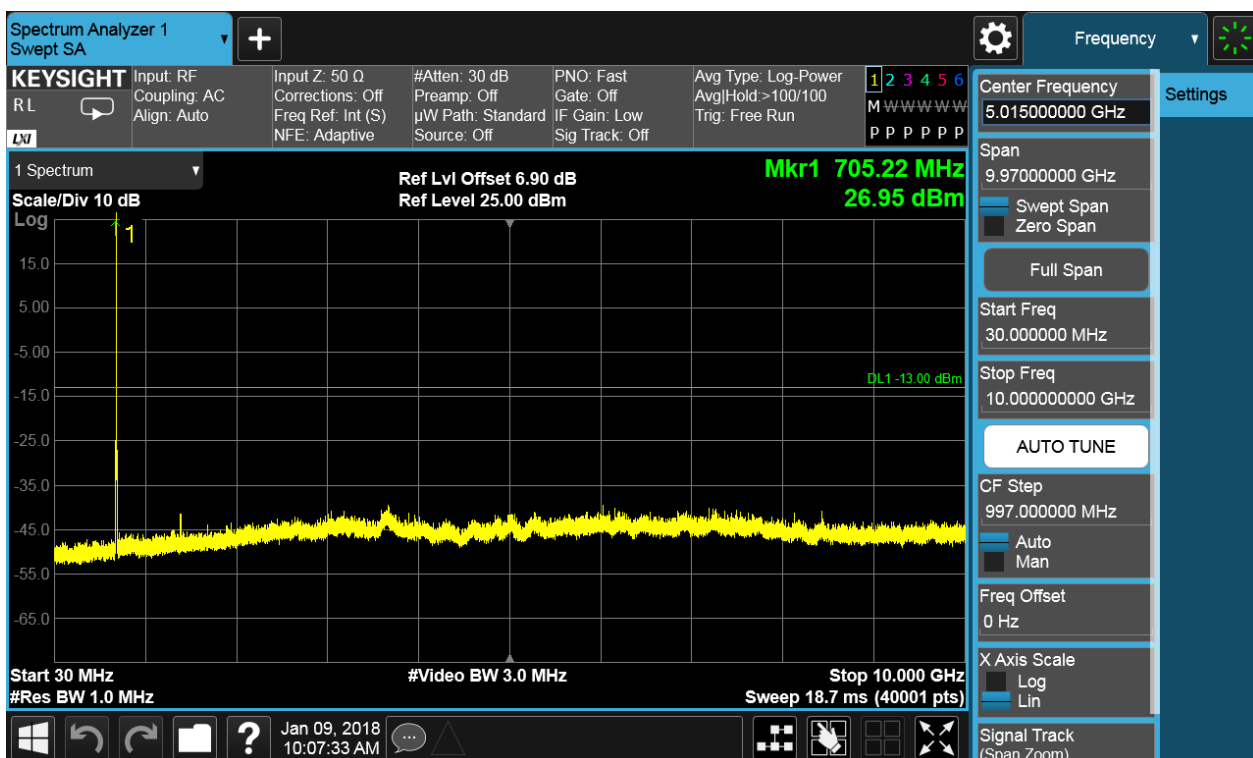


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

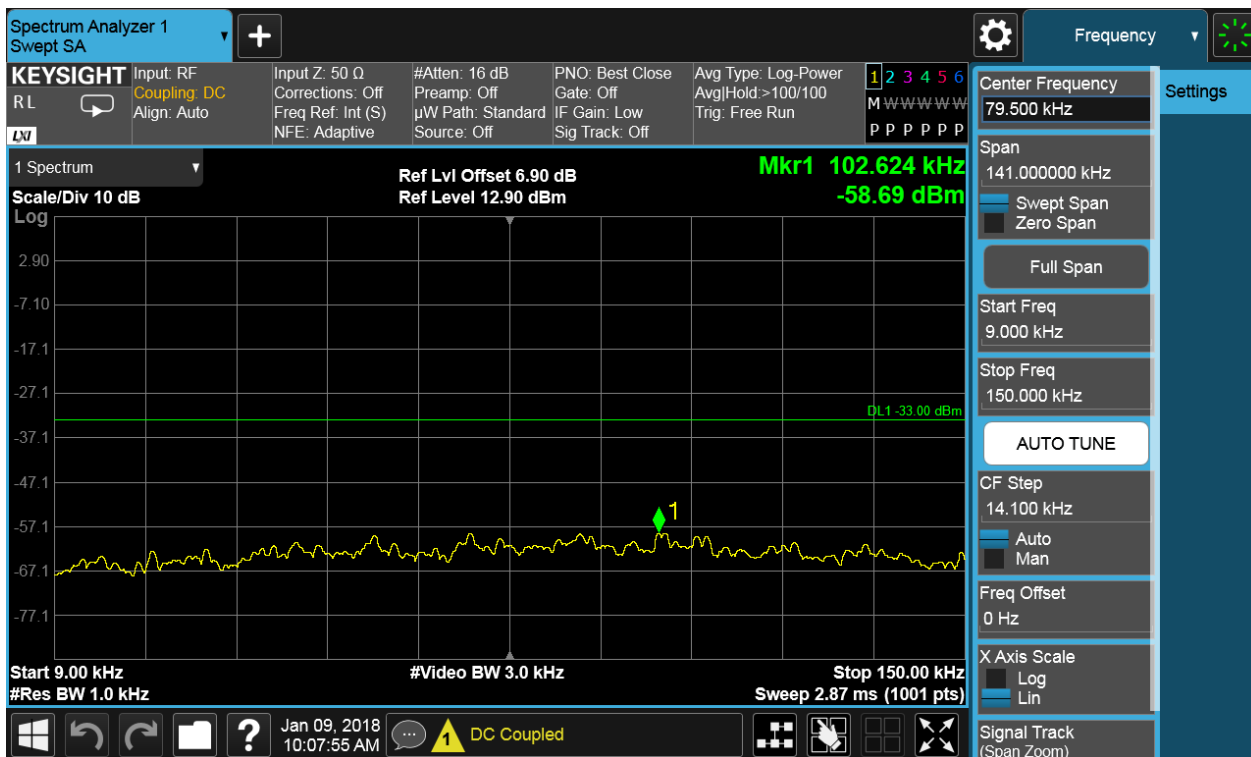


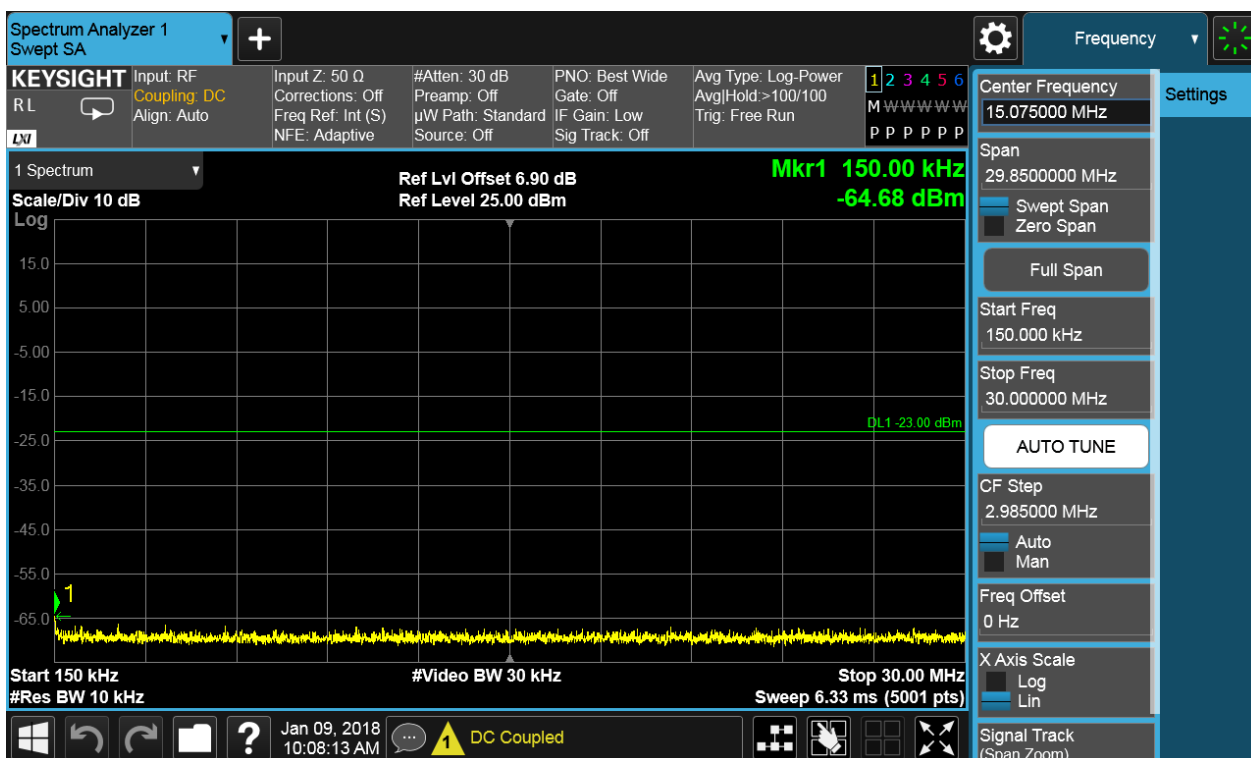


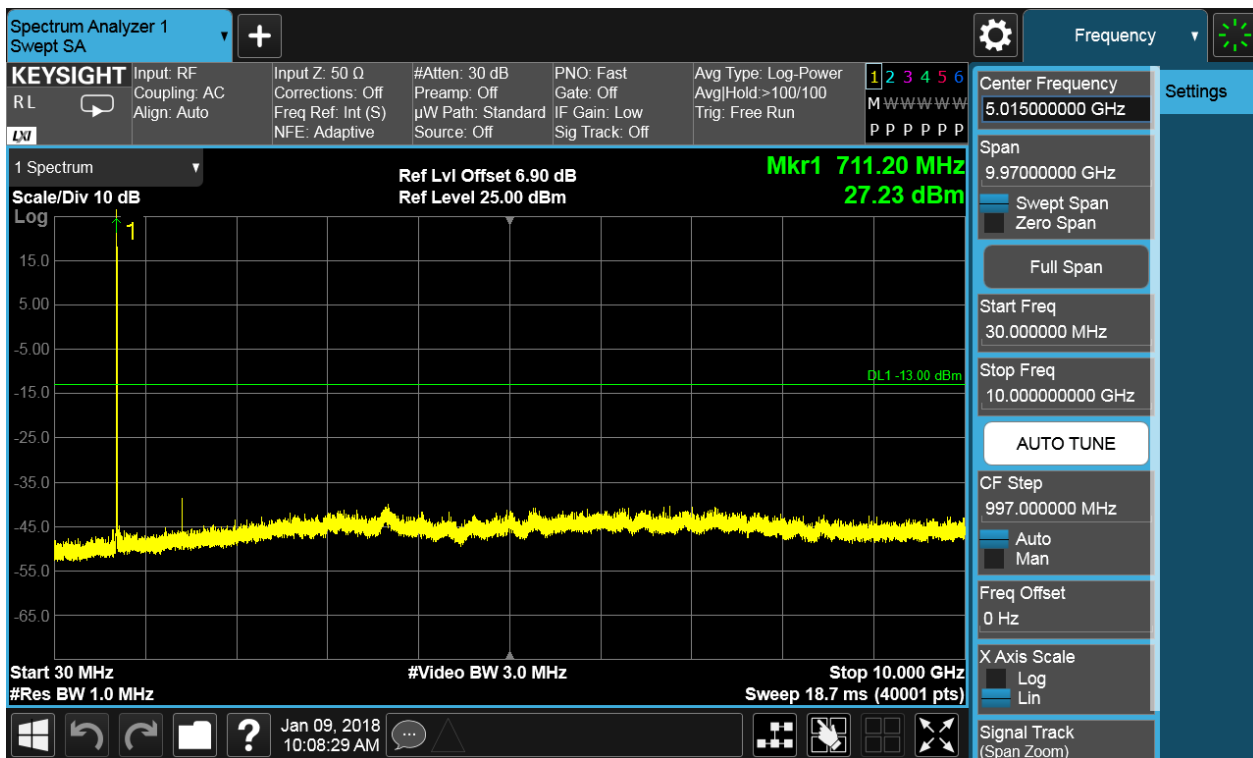


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



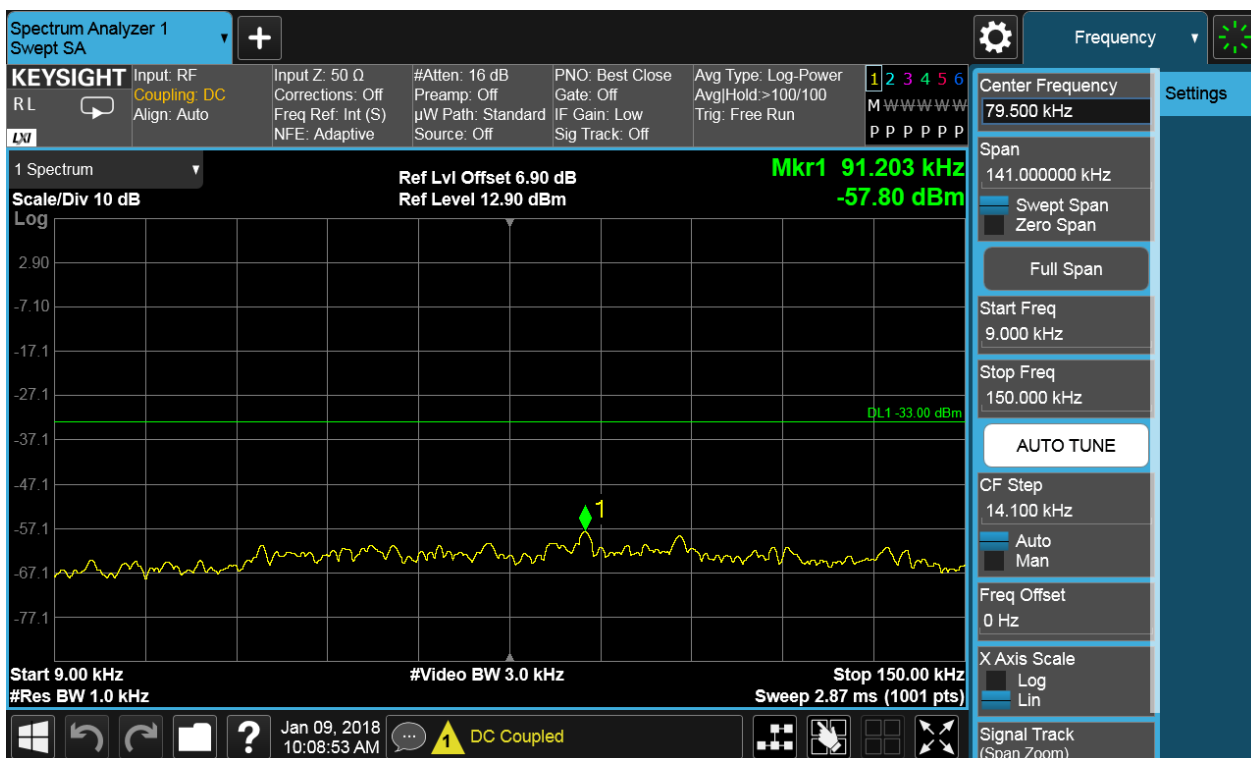


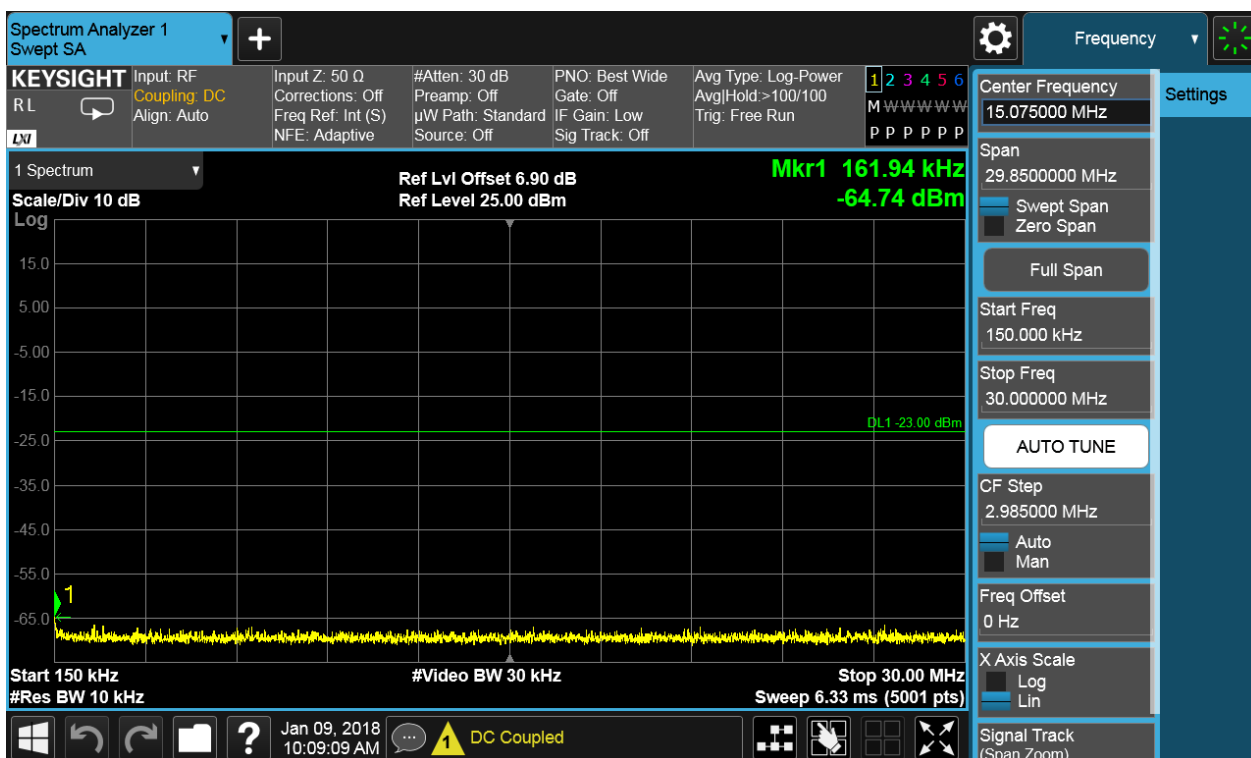


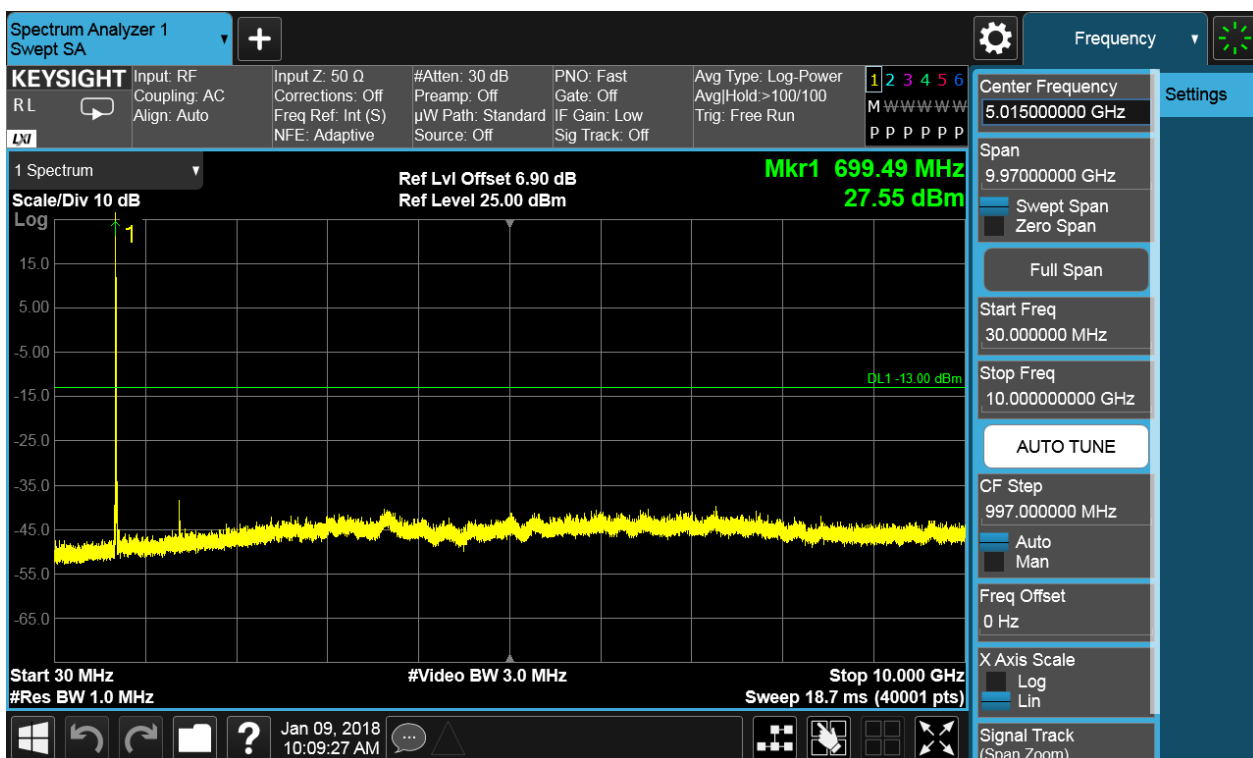
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

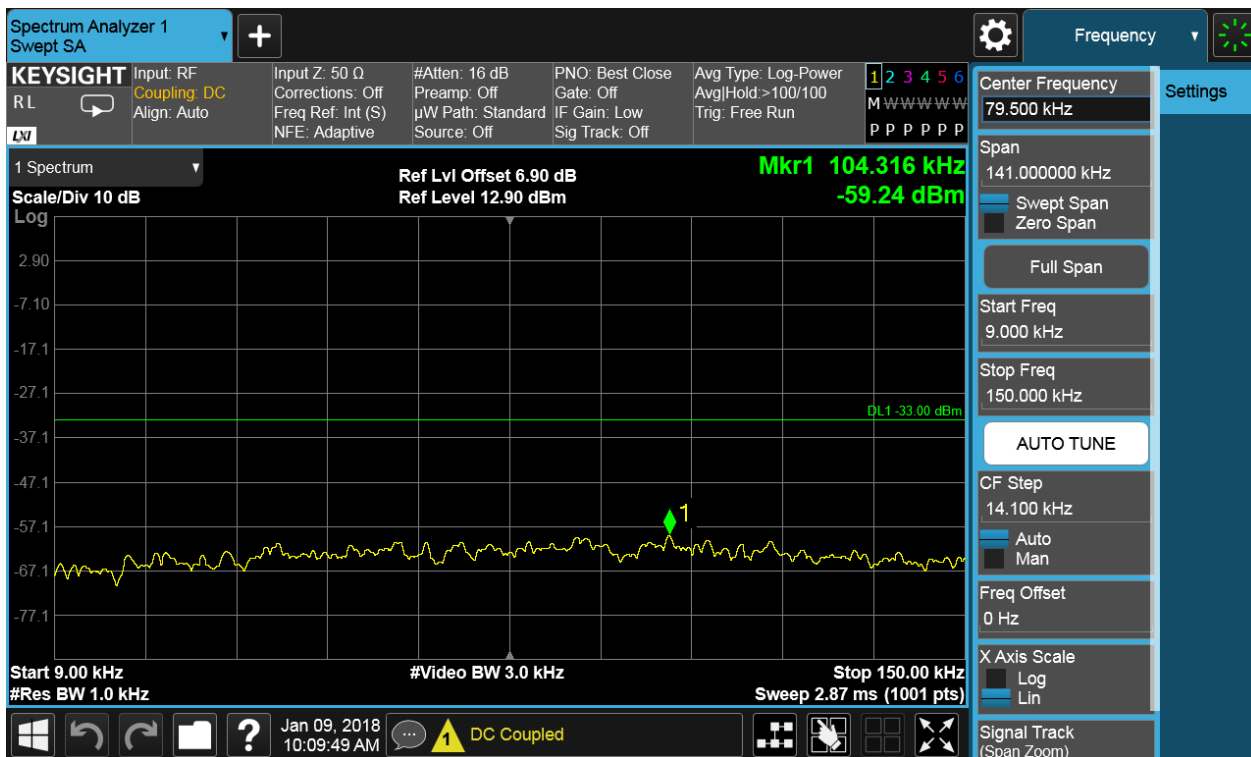


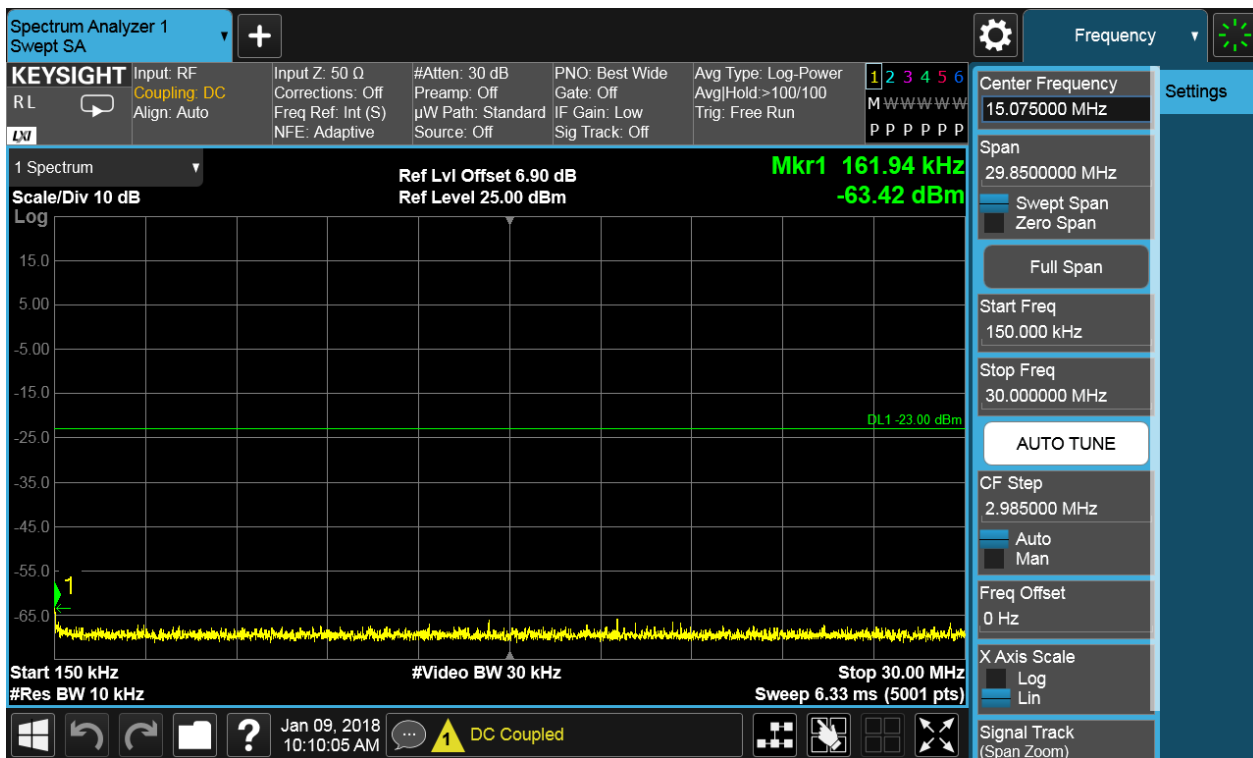


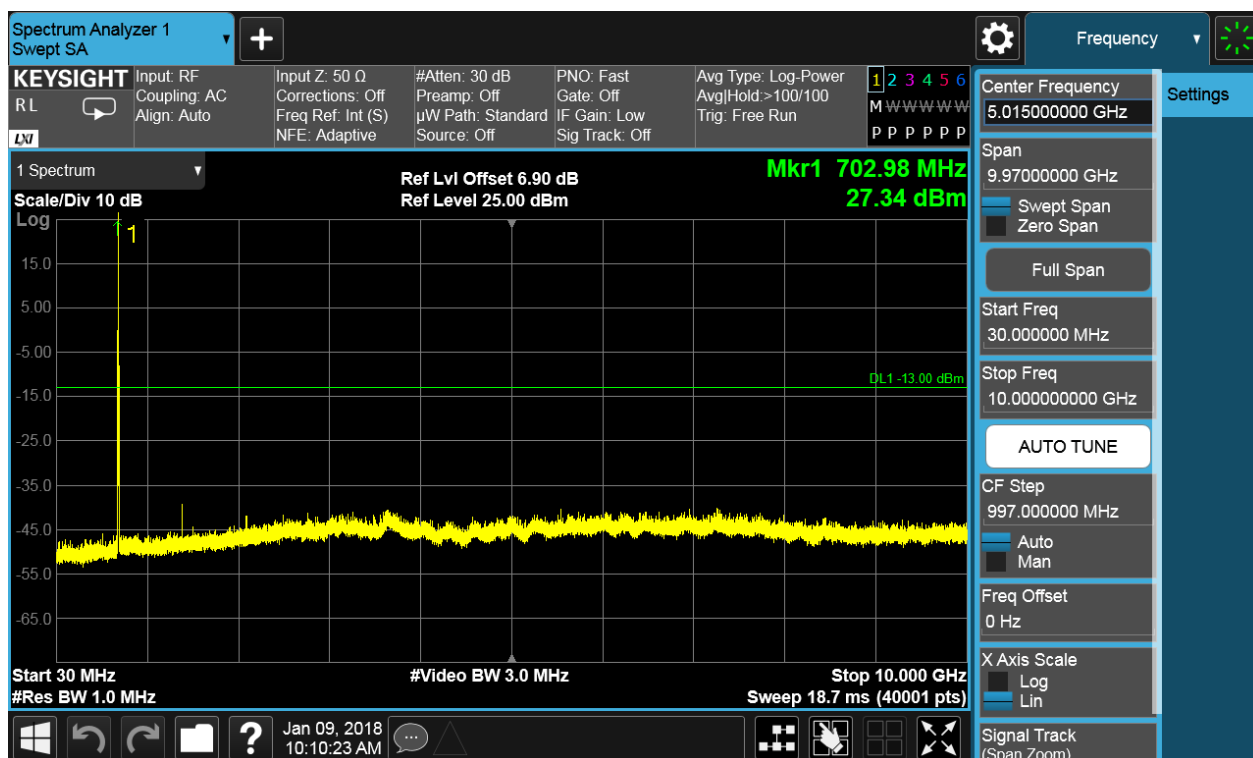


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



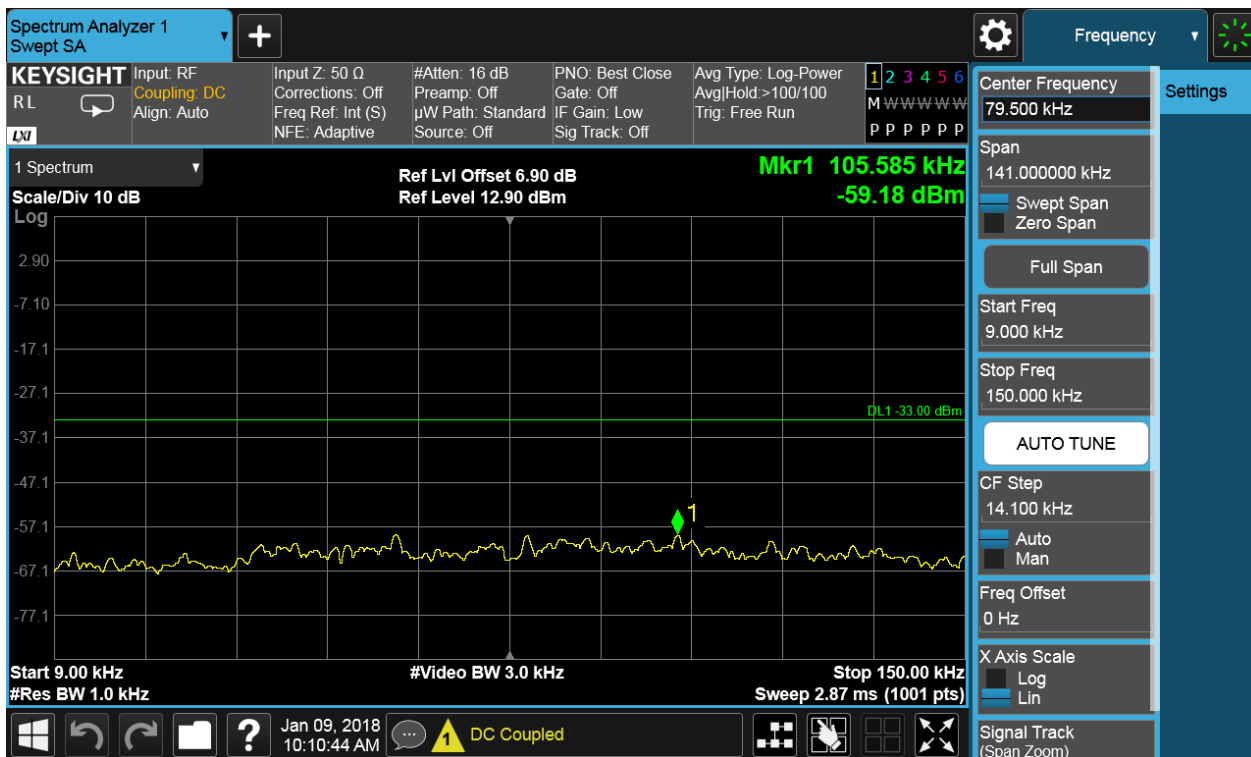


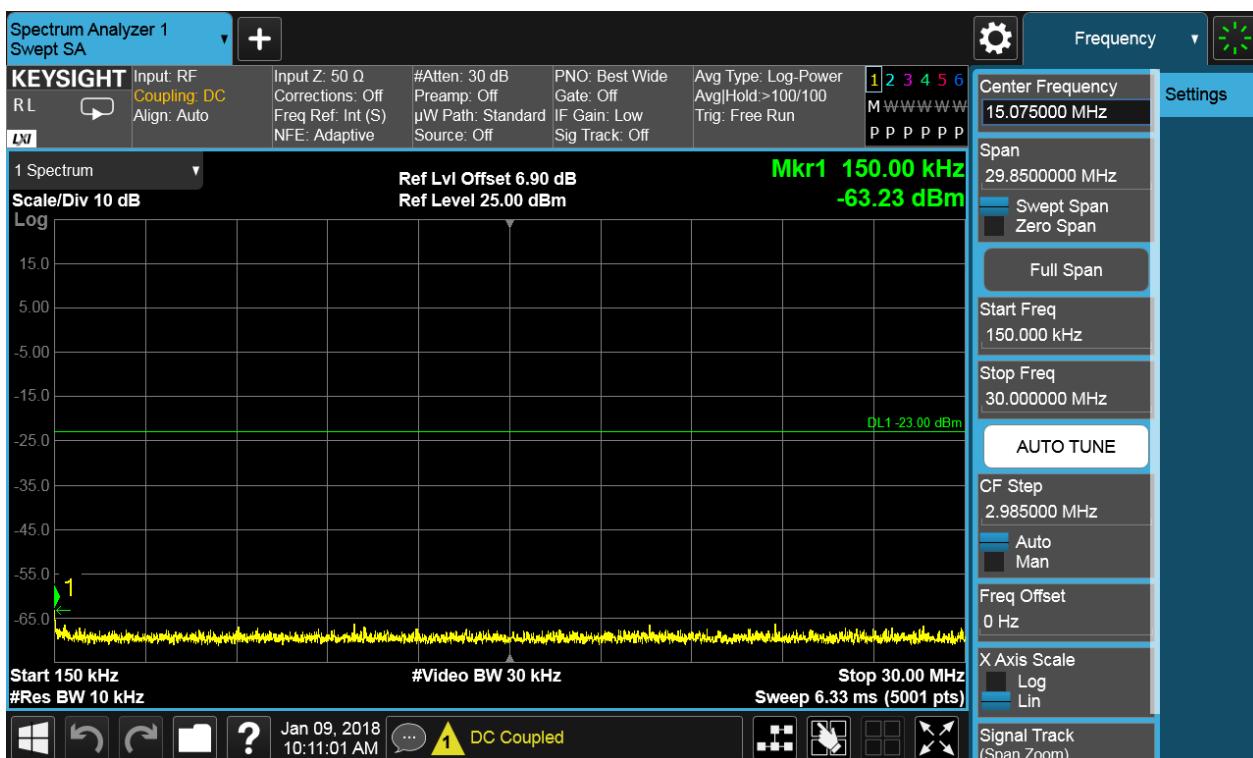


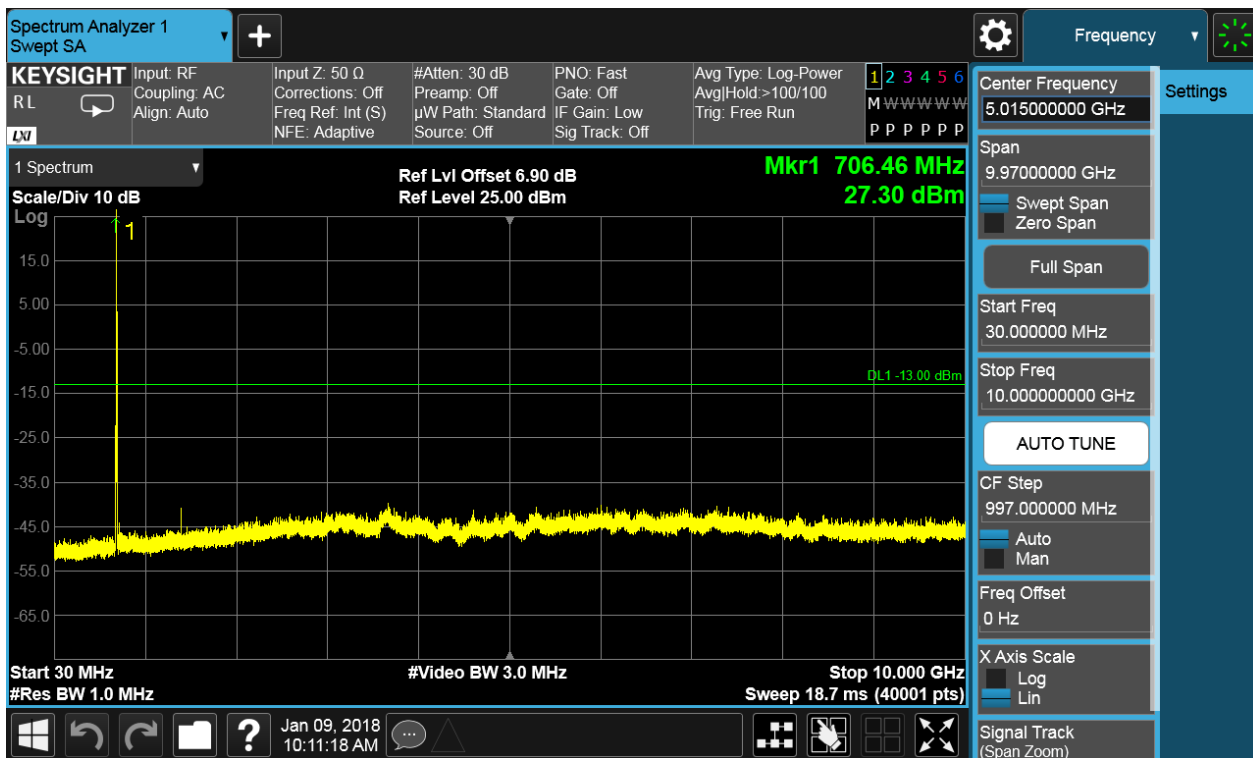


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





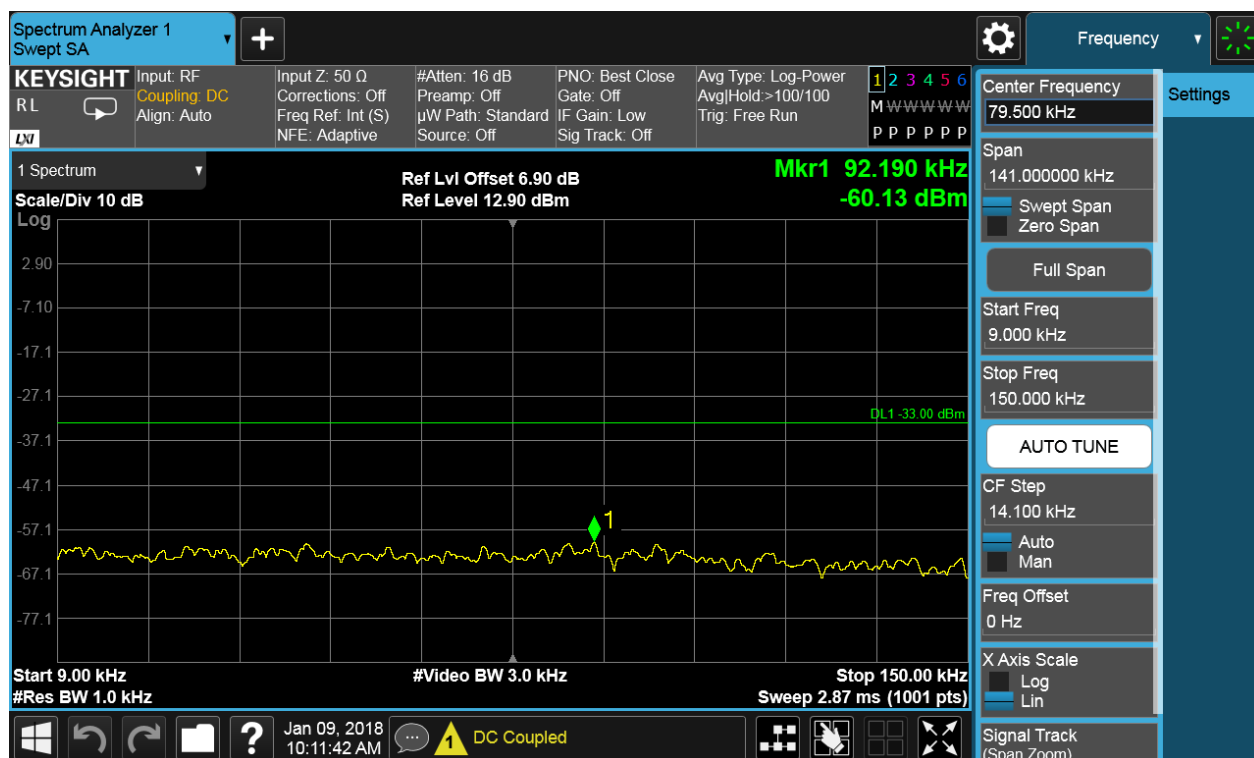


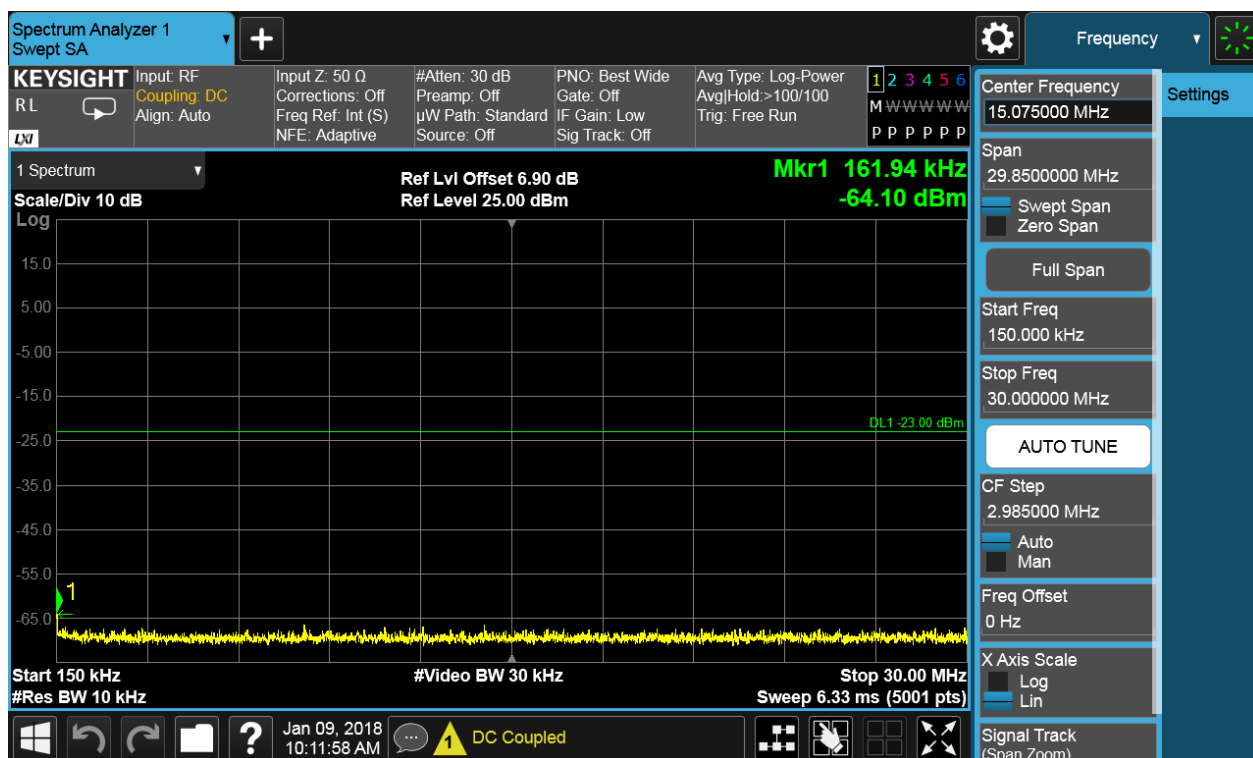
6.1.1.2 Test Mode = LTE/TM2

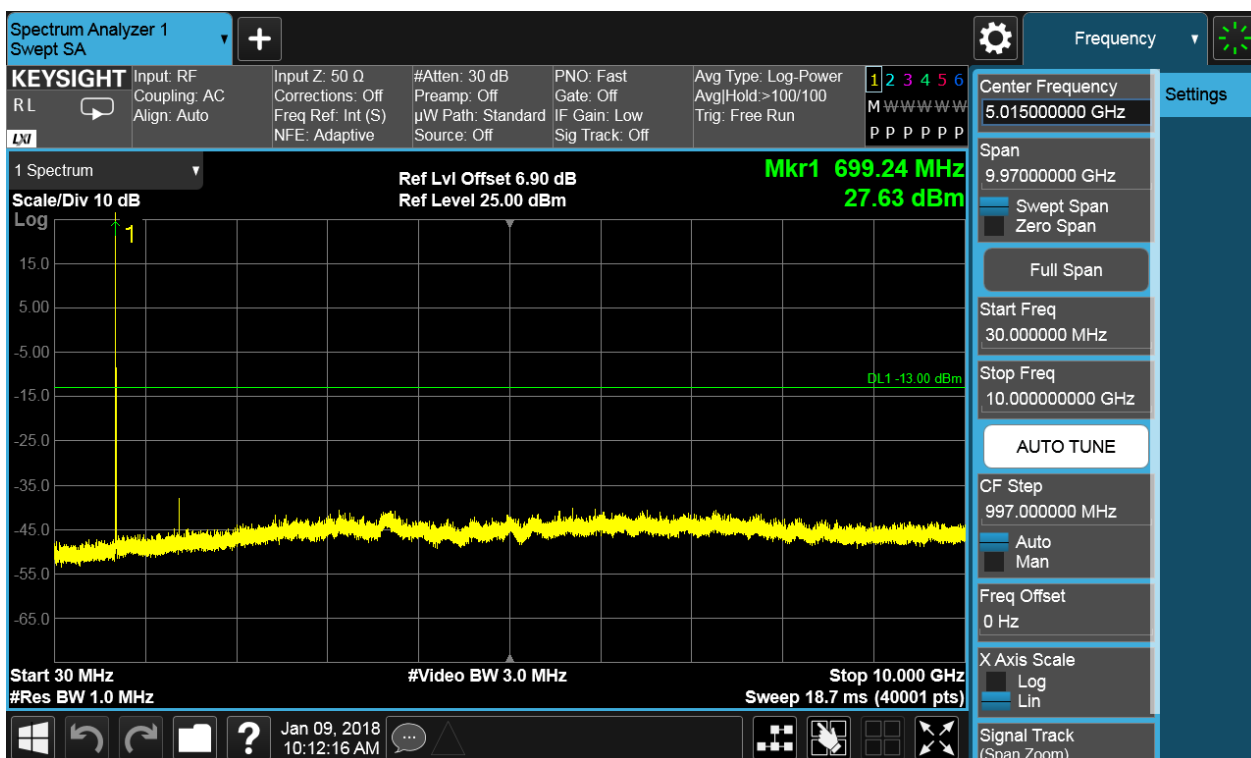
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



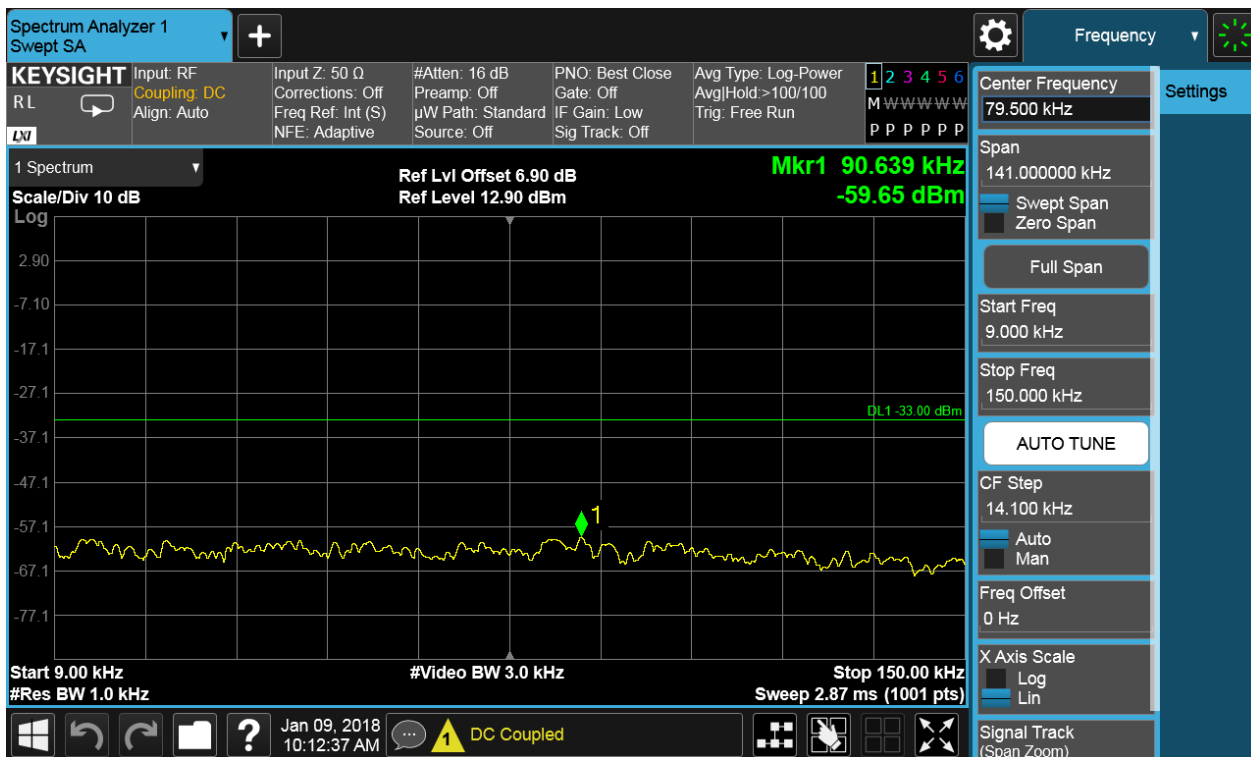


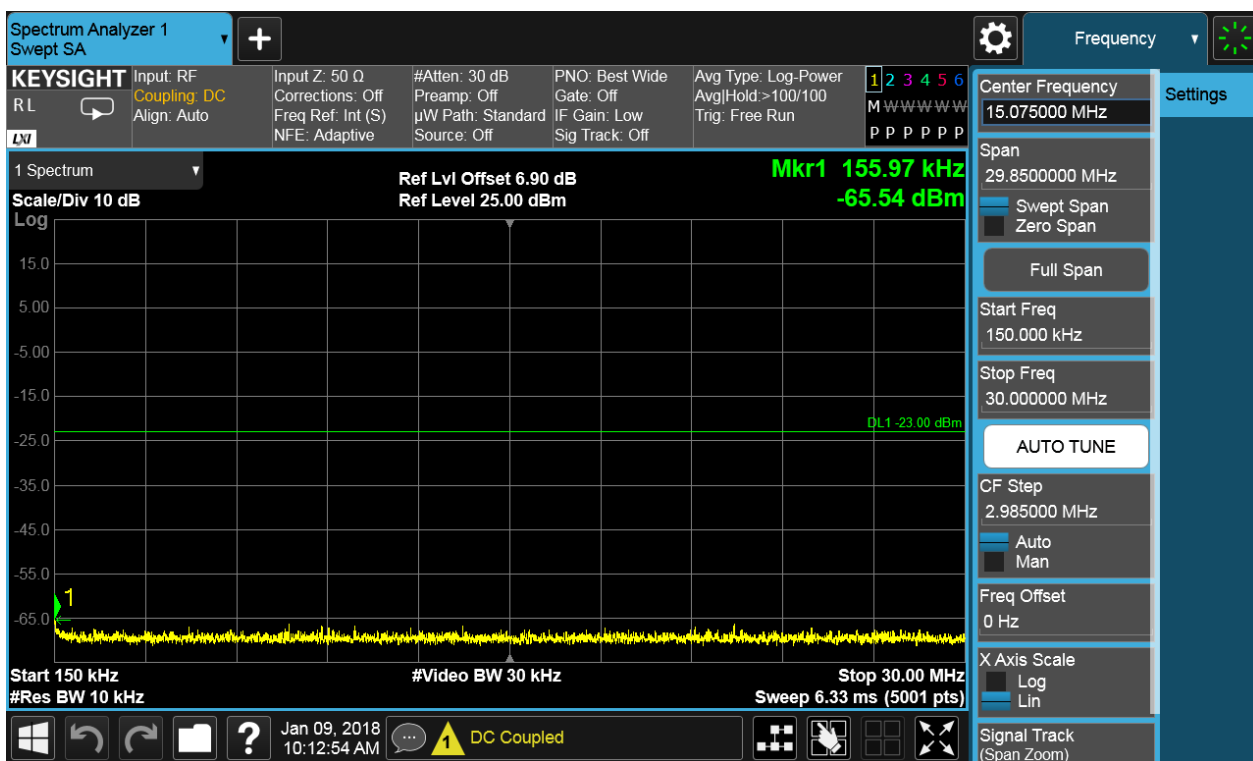


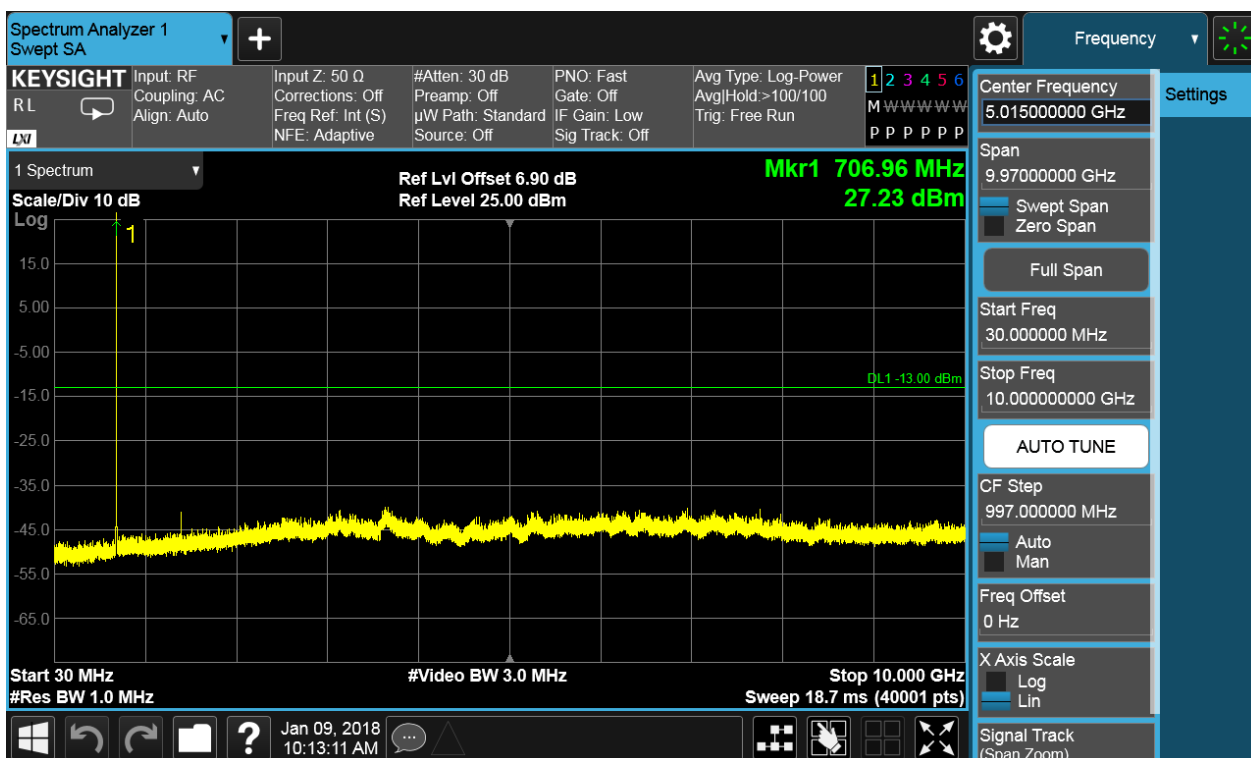


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

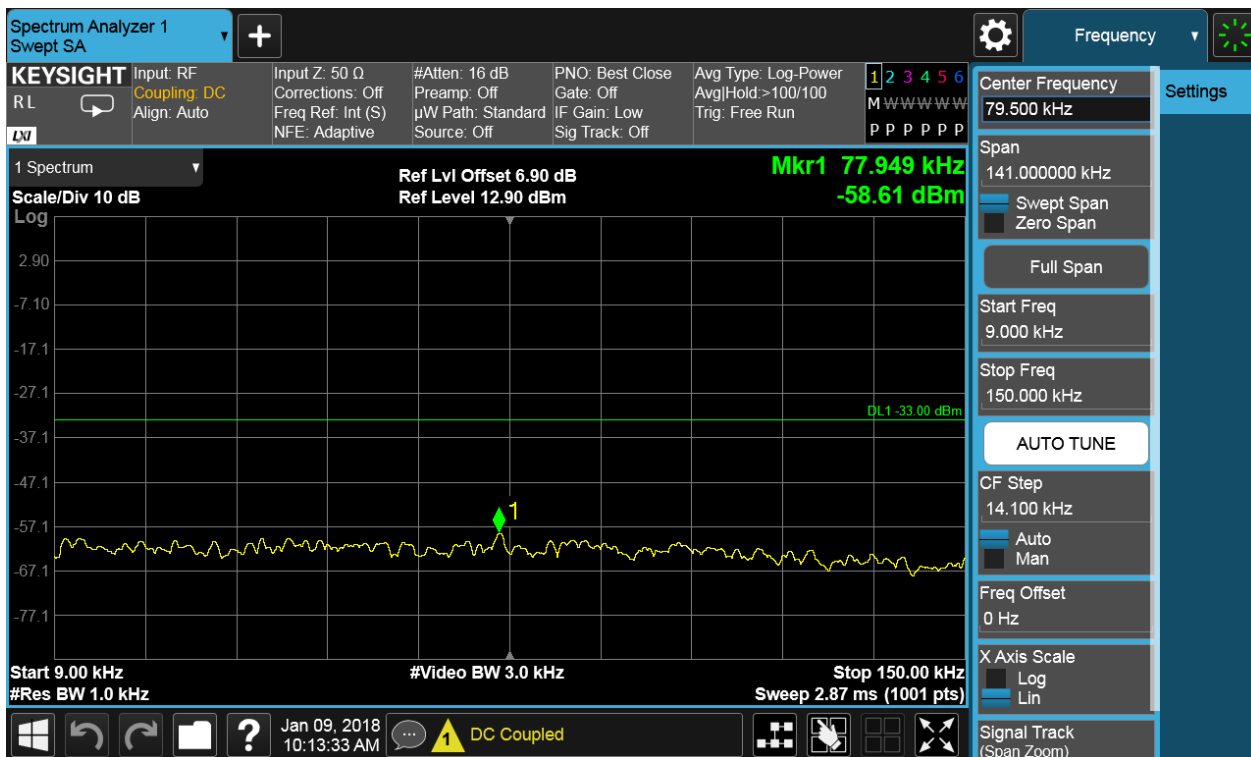


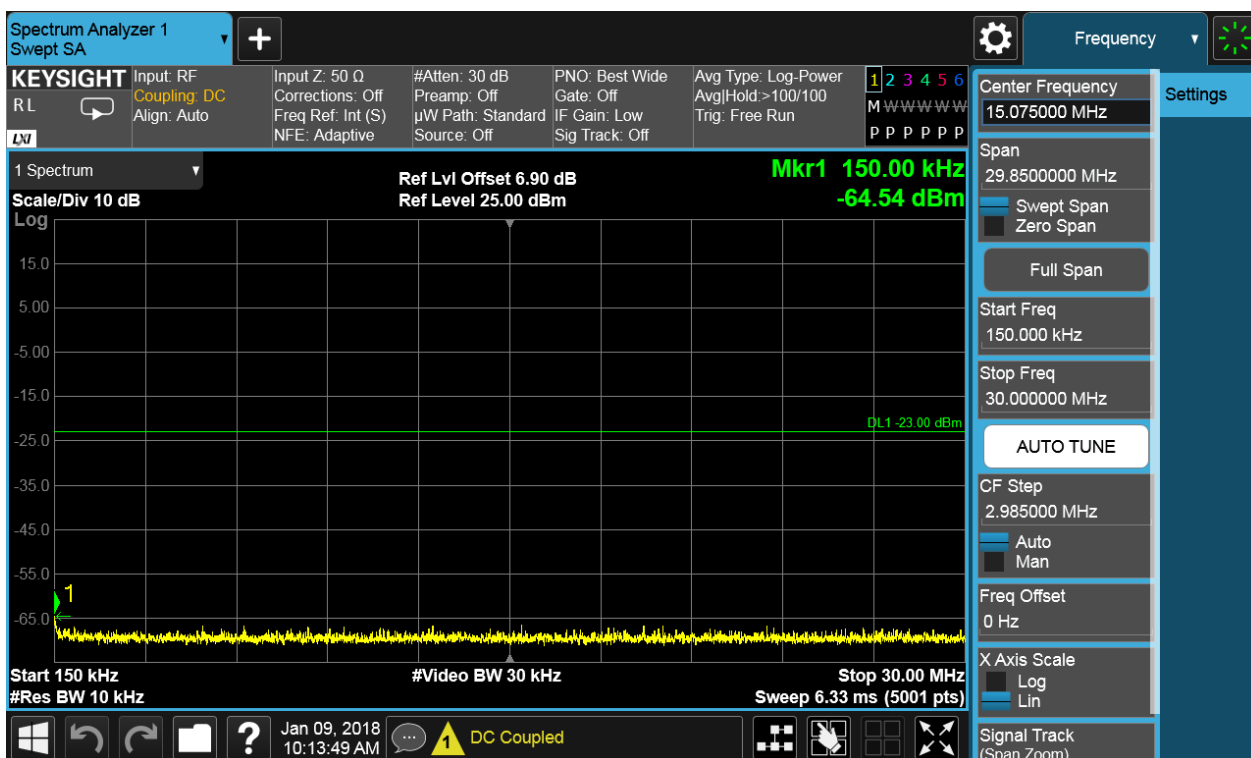


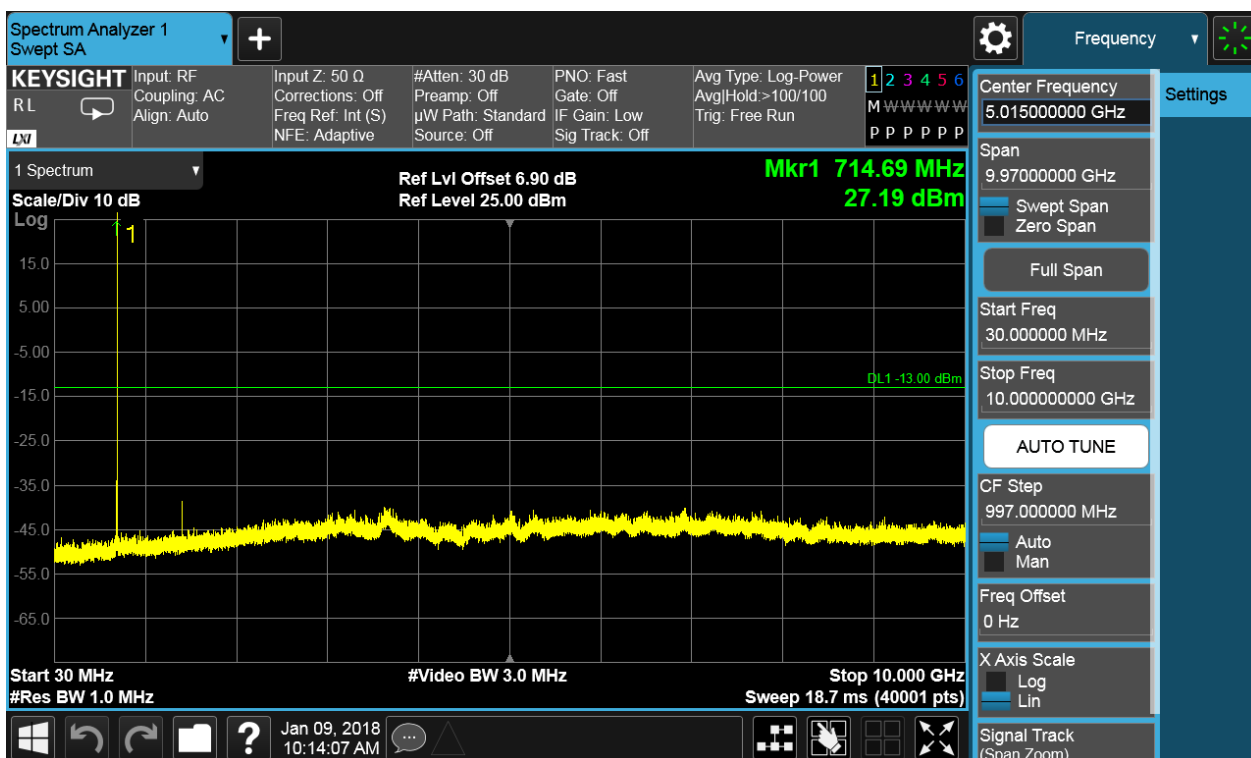


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



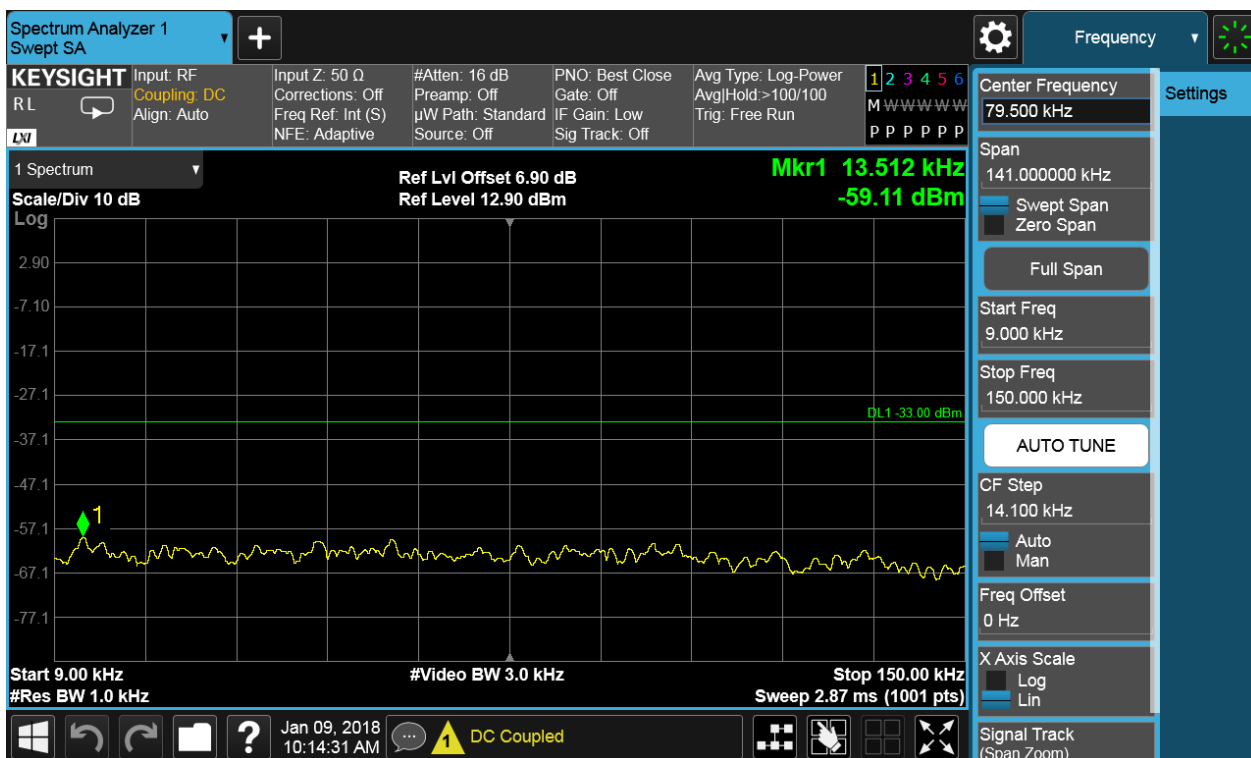


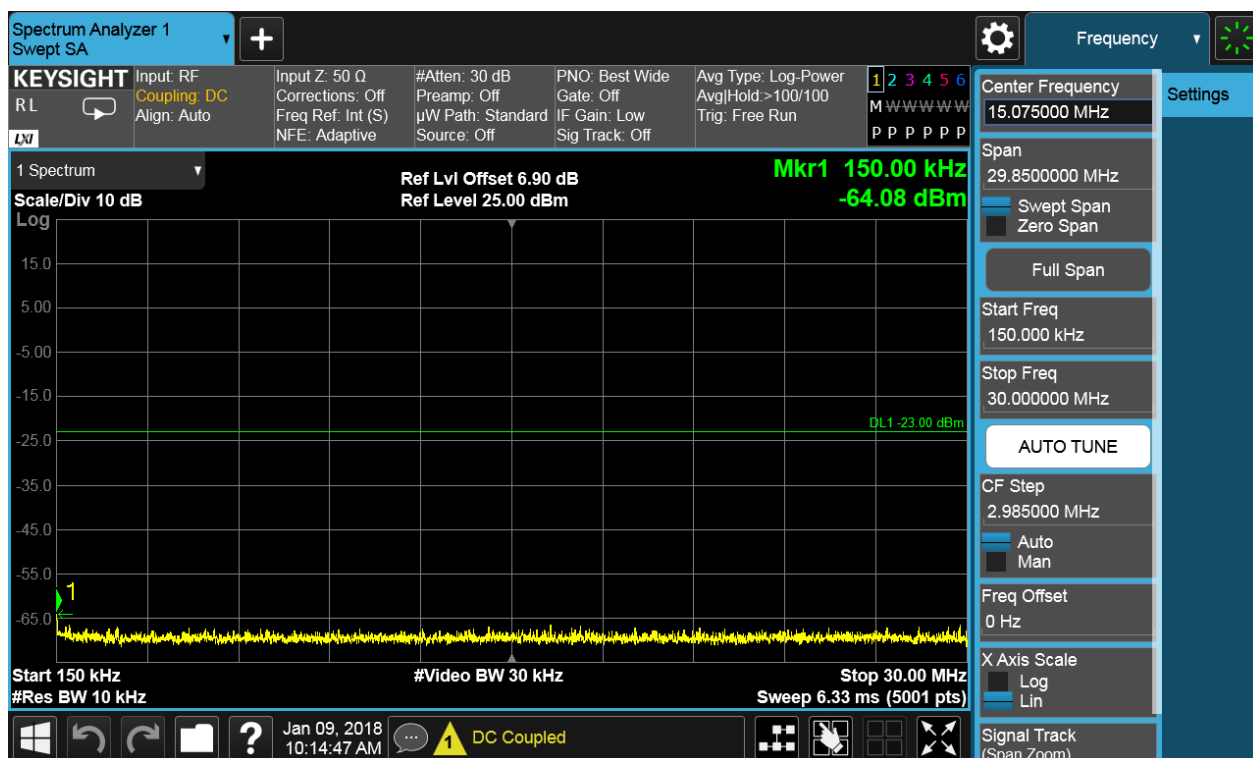


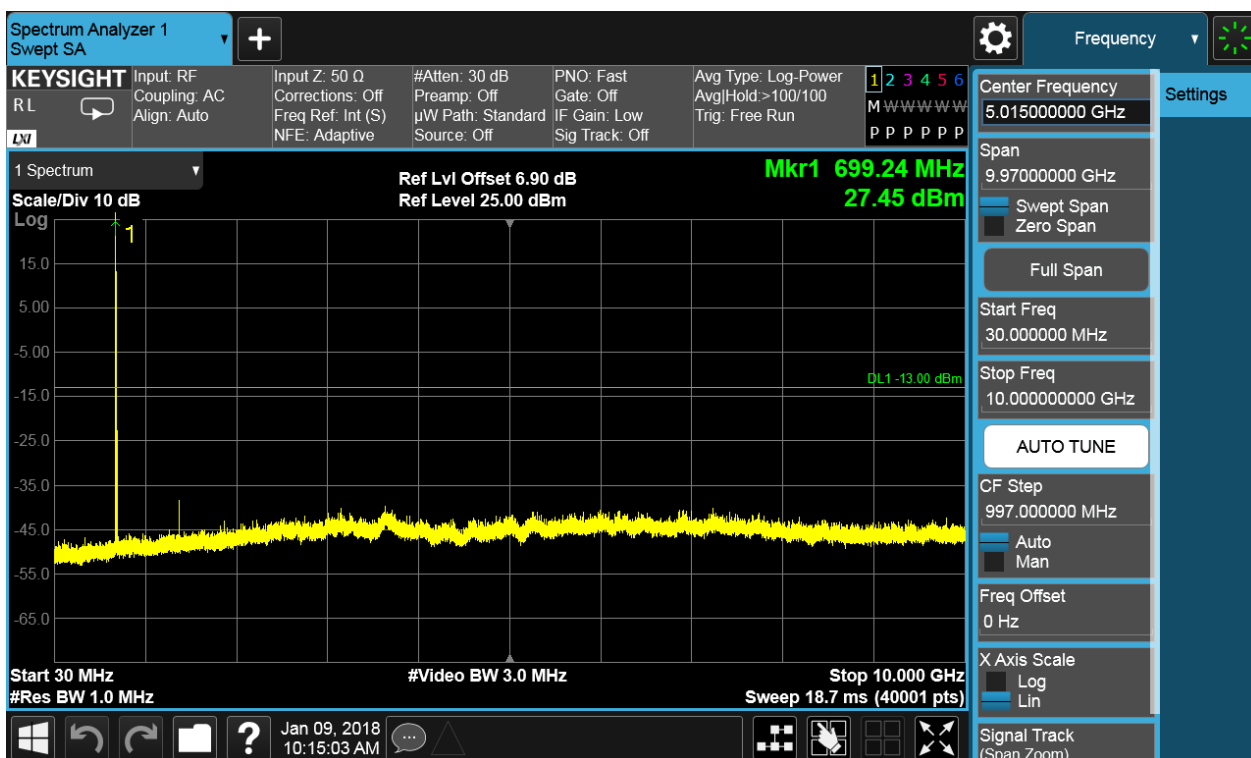
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

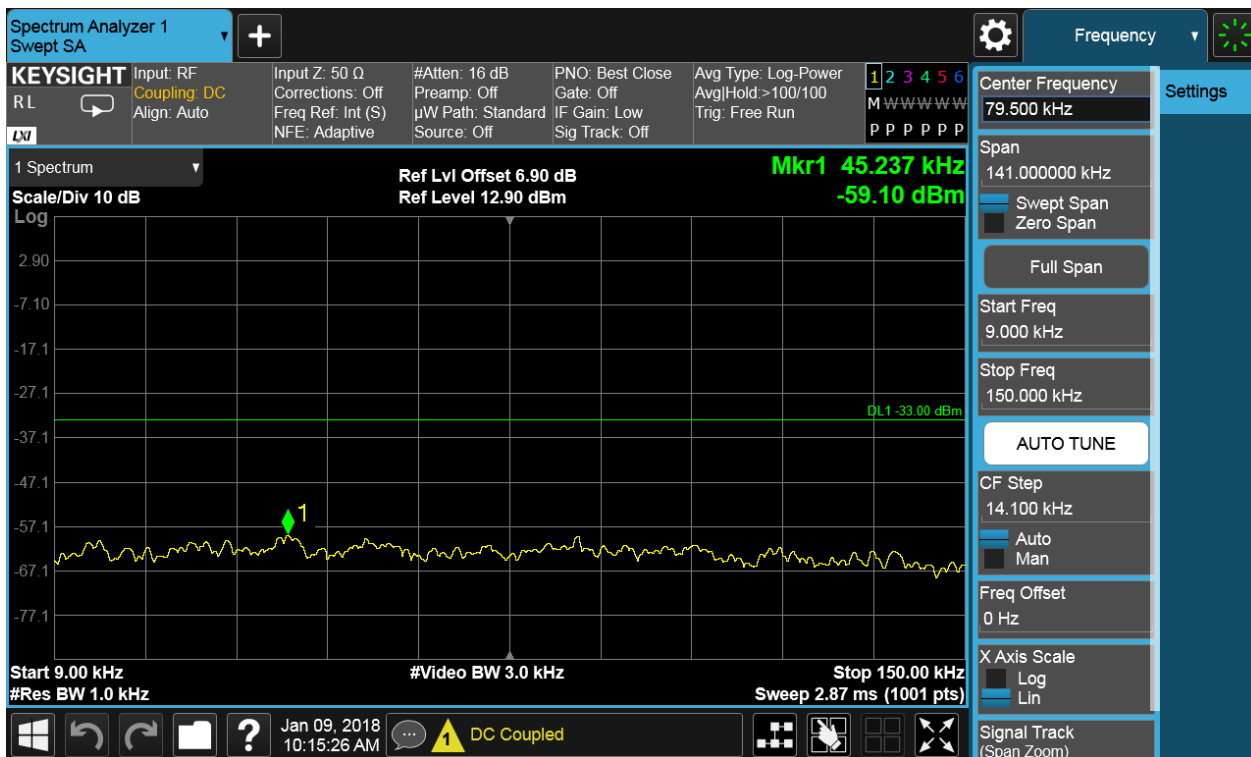


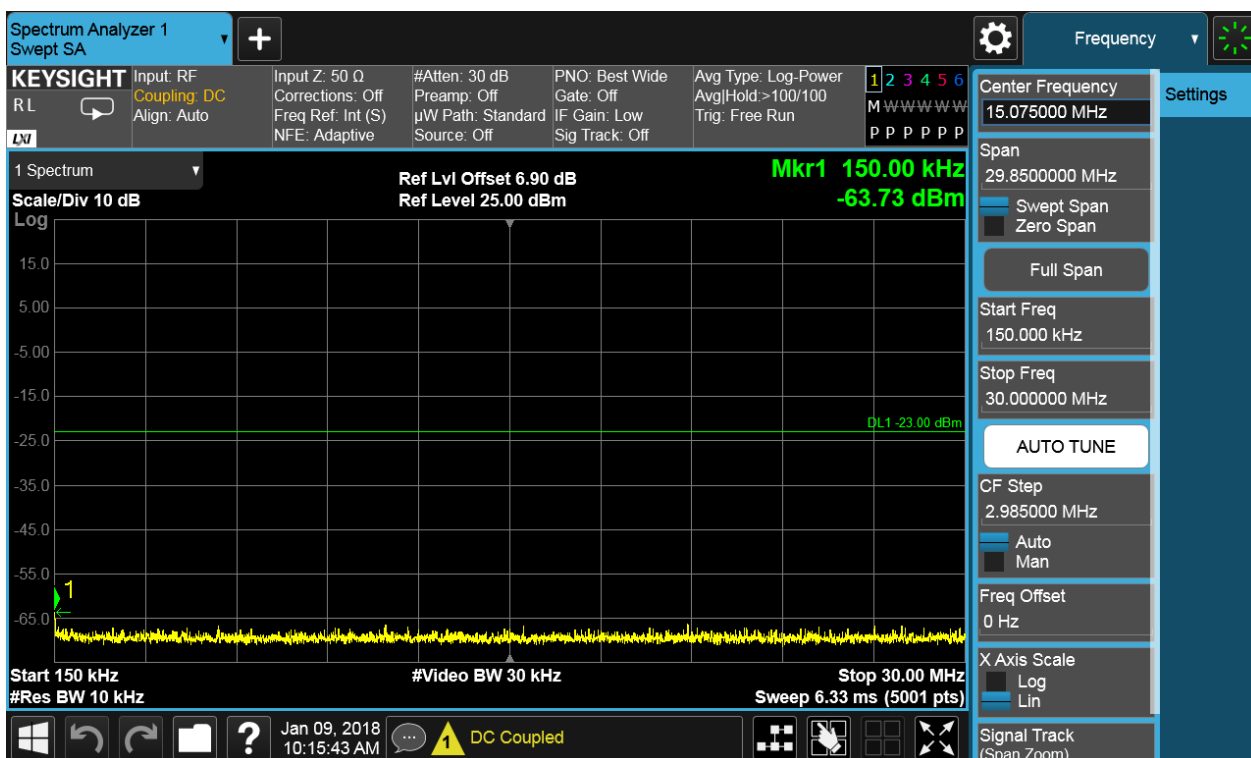


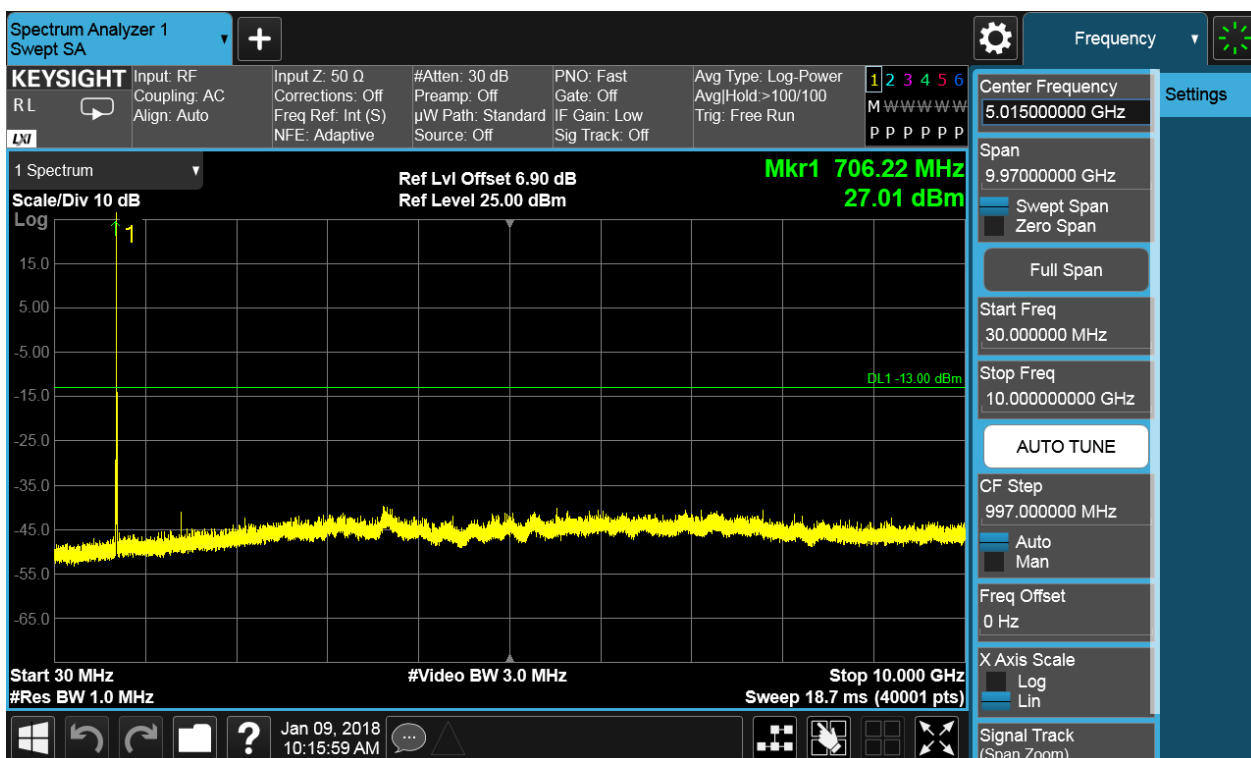


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



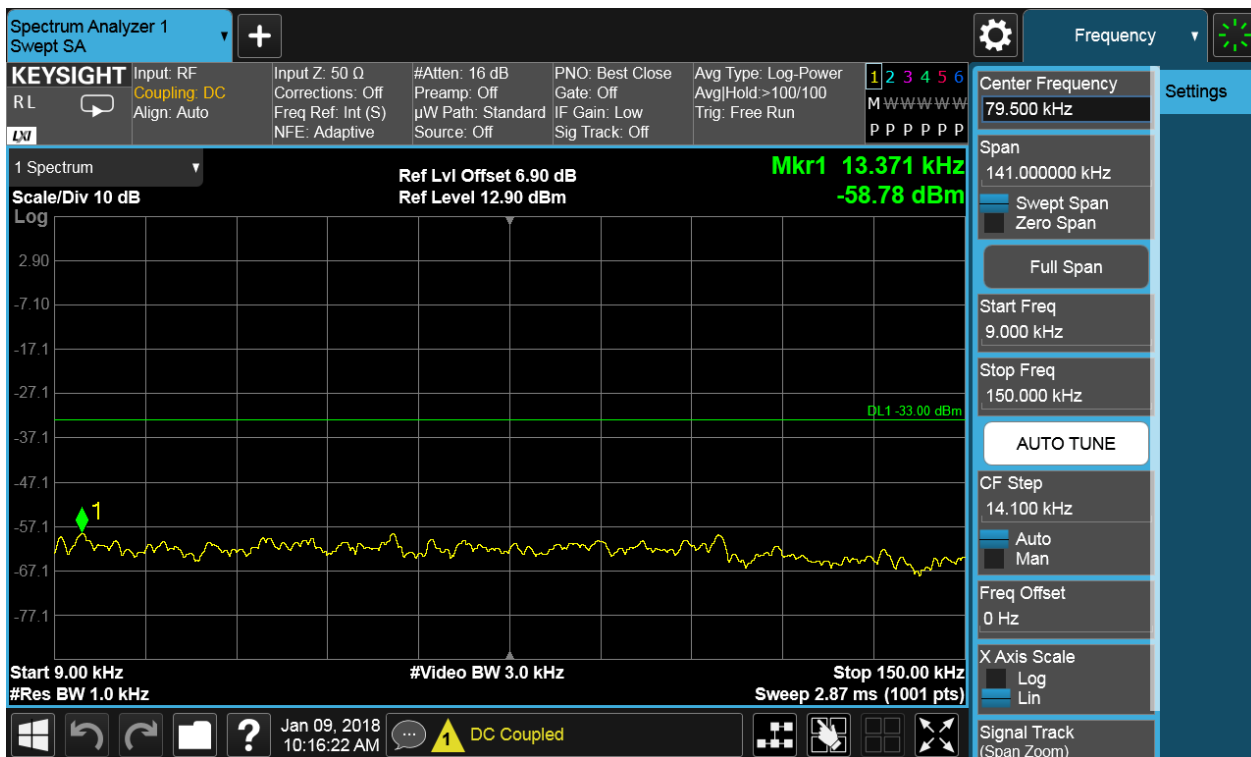


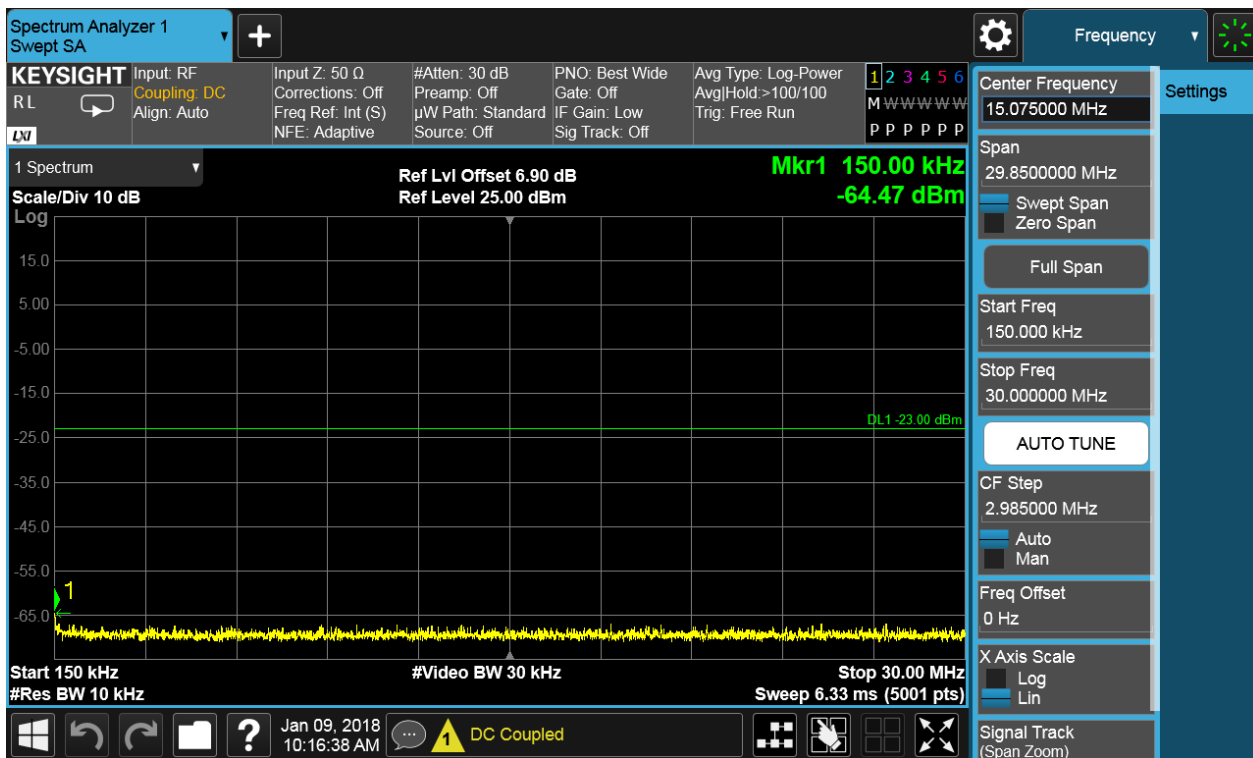


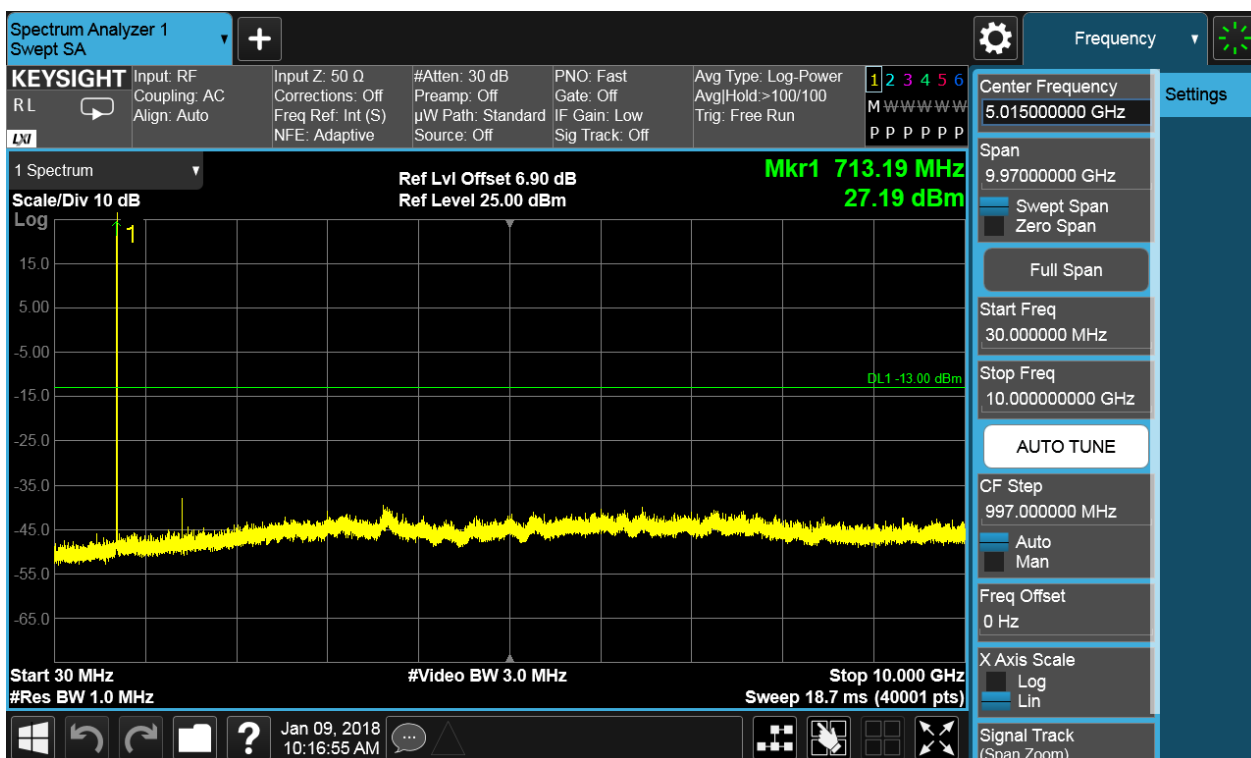


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



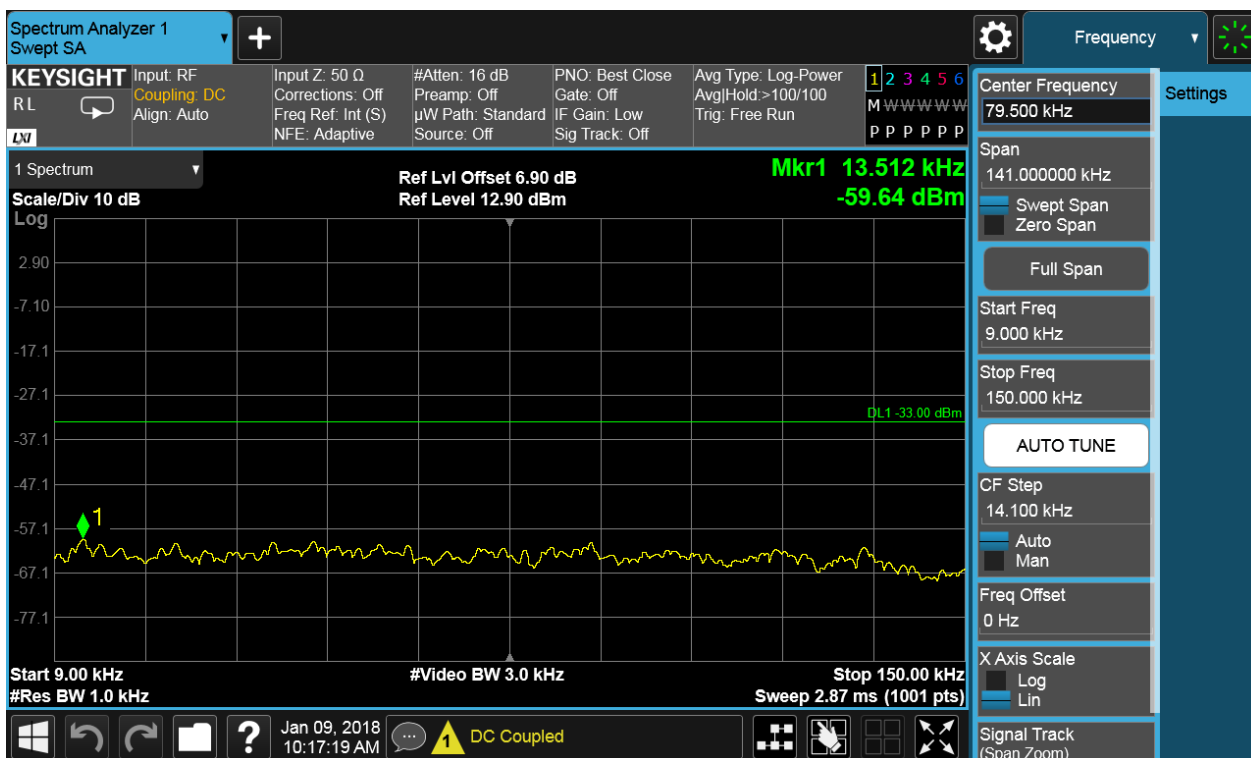


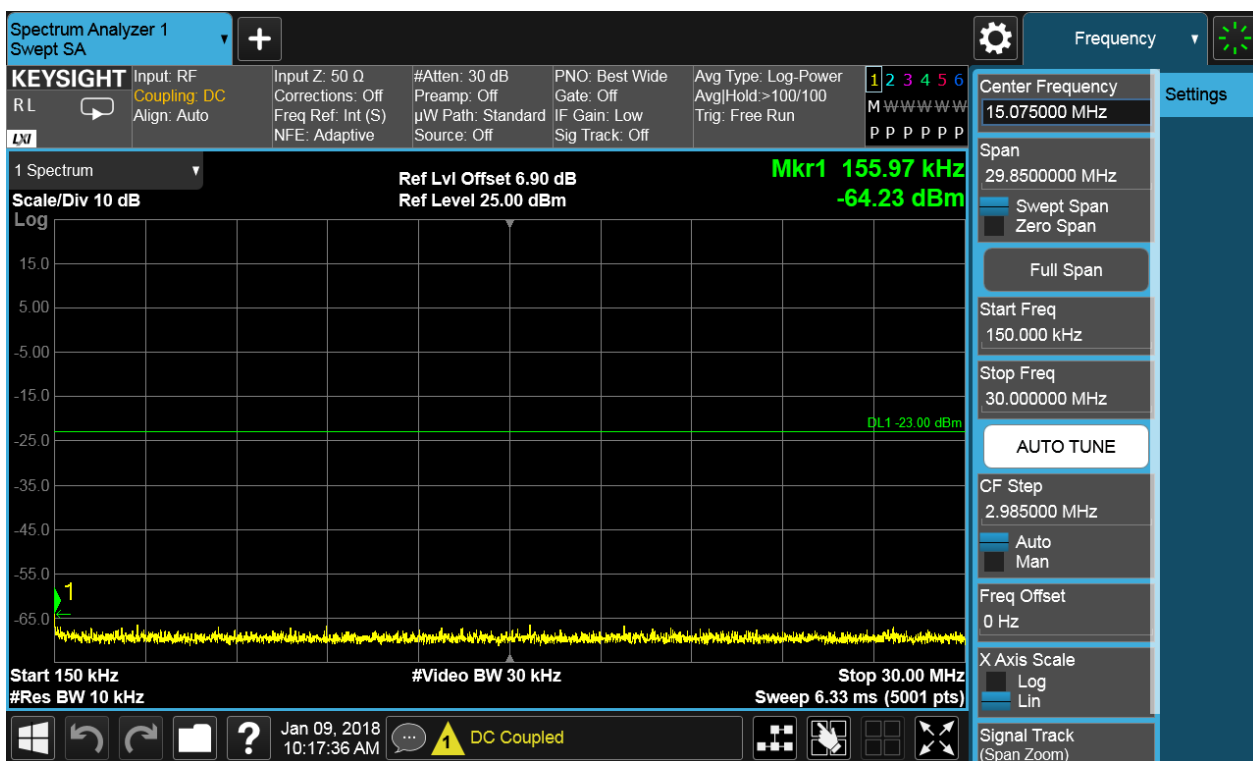


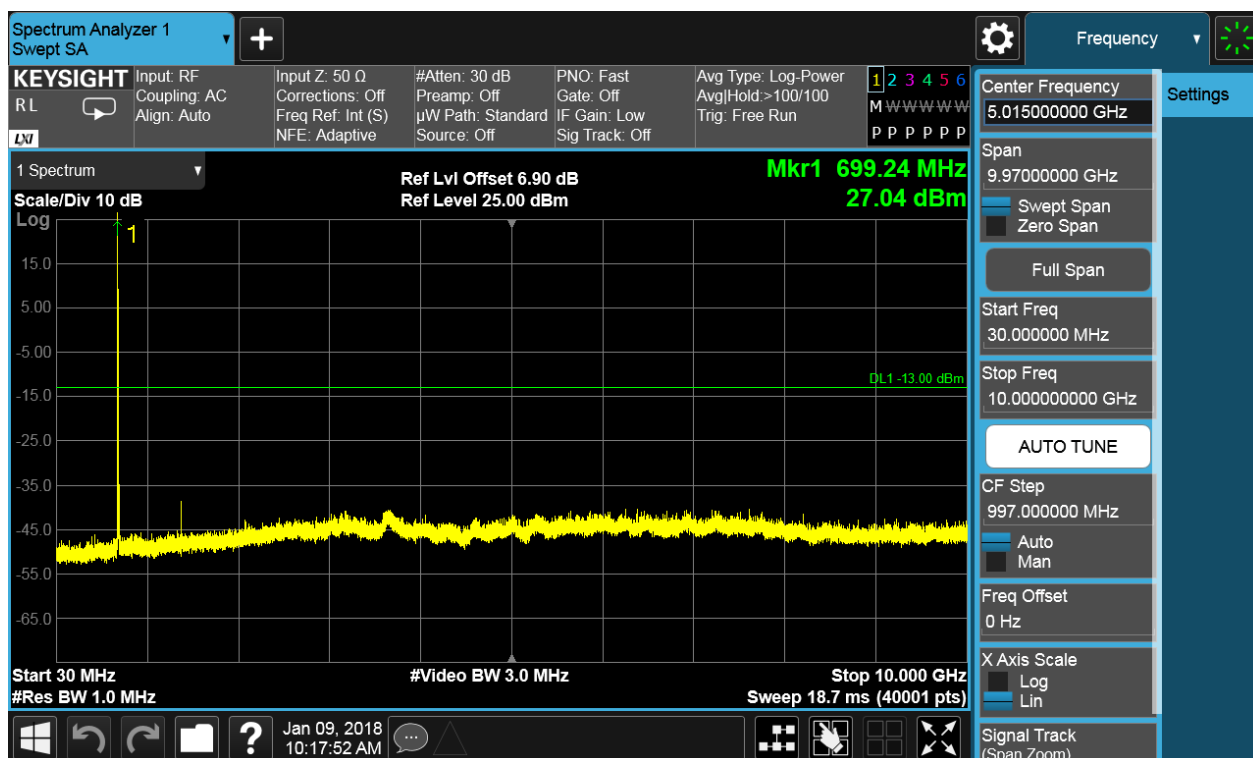
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



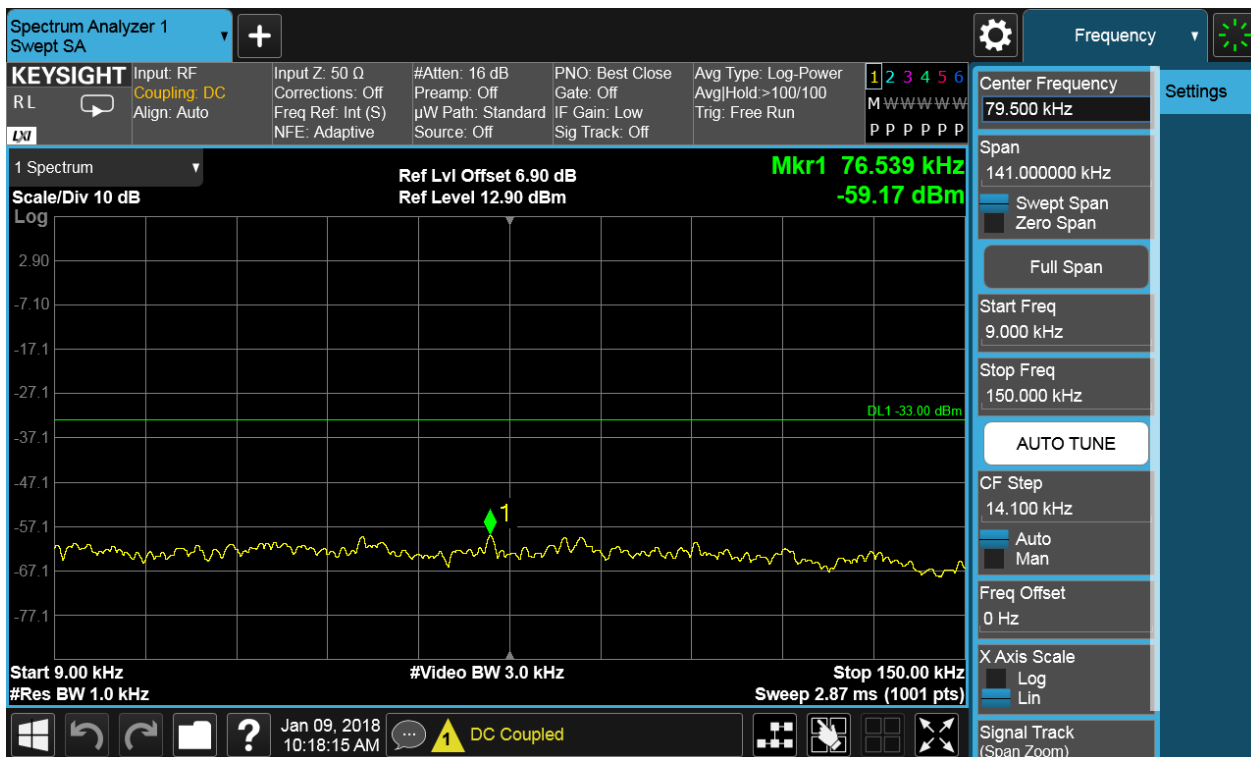


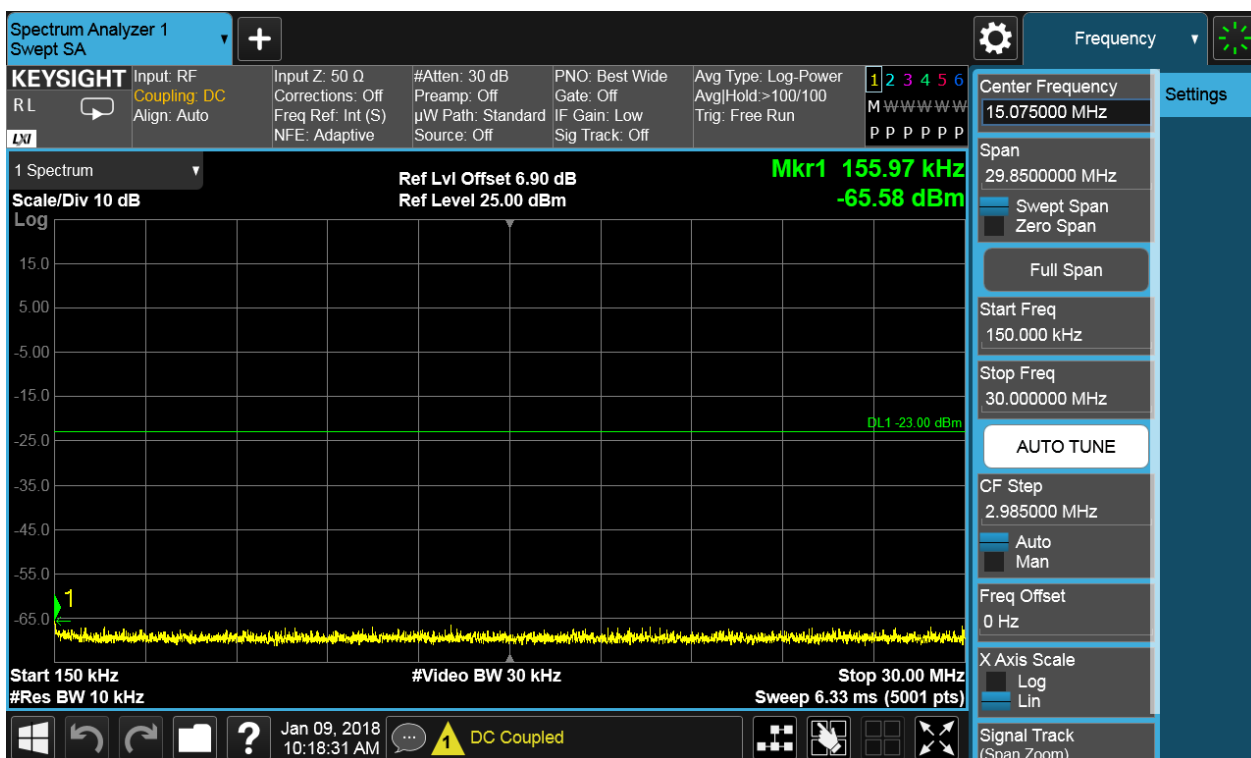


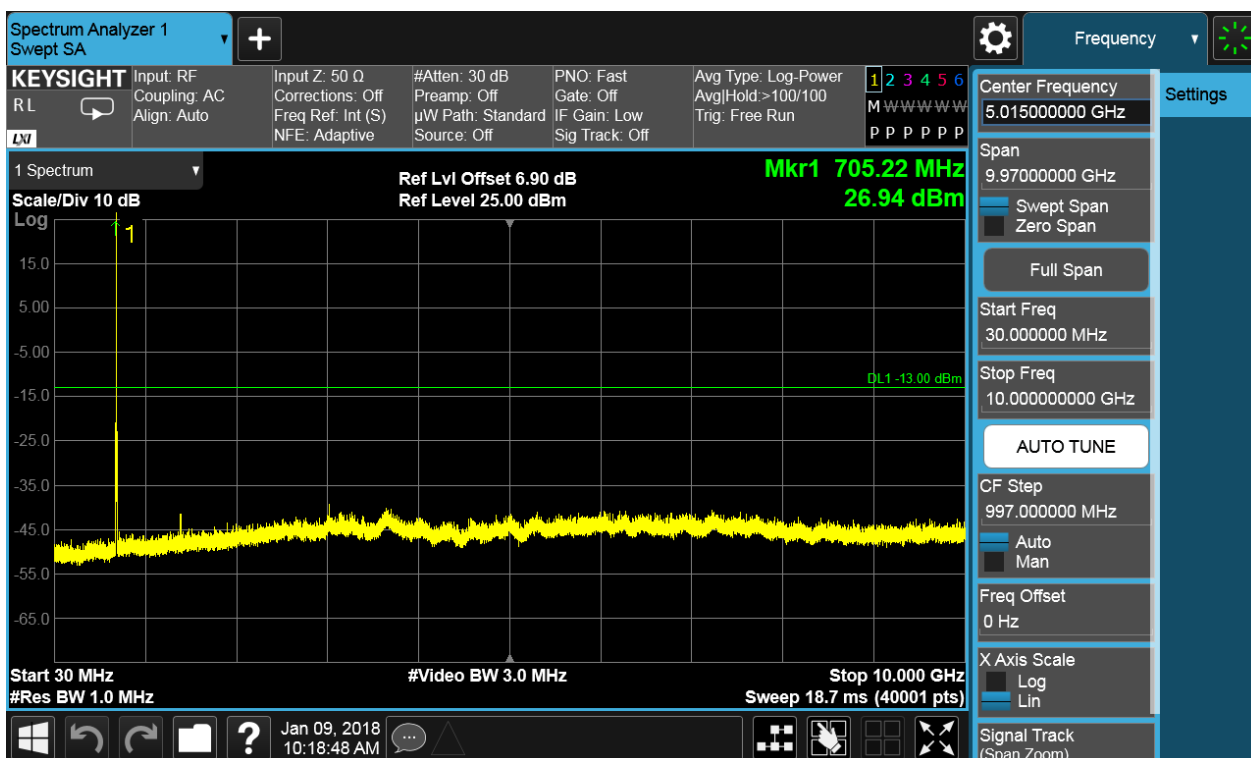


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



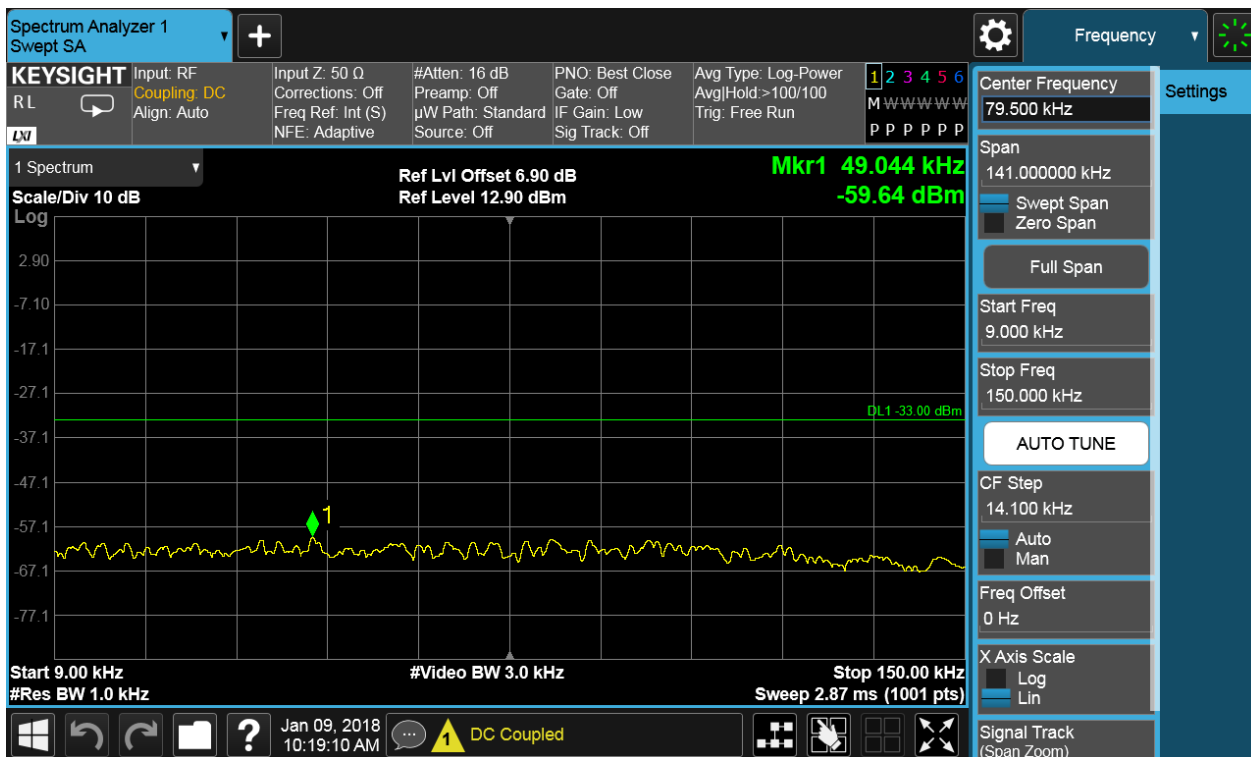


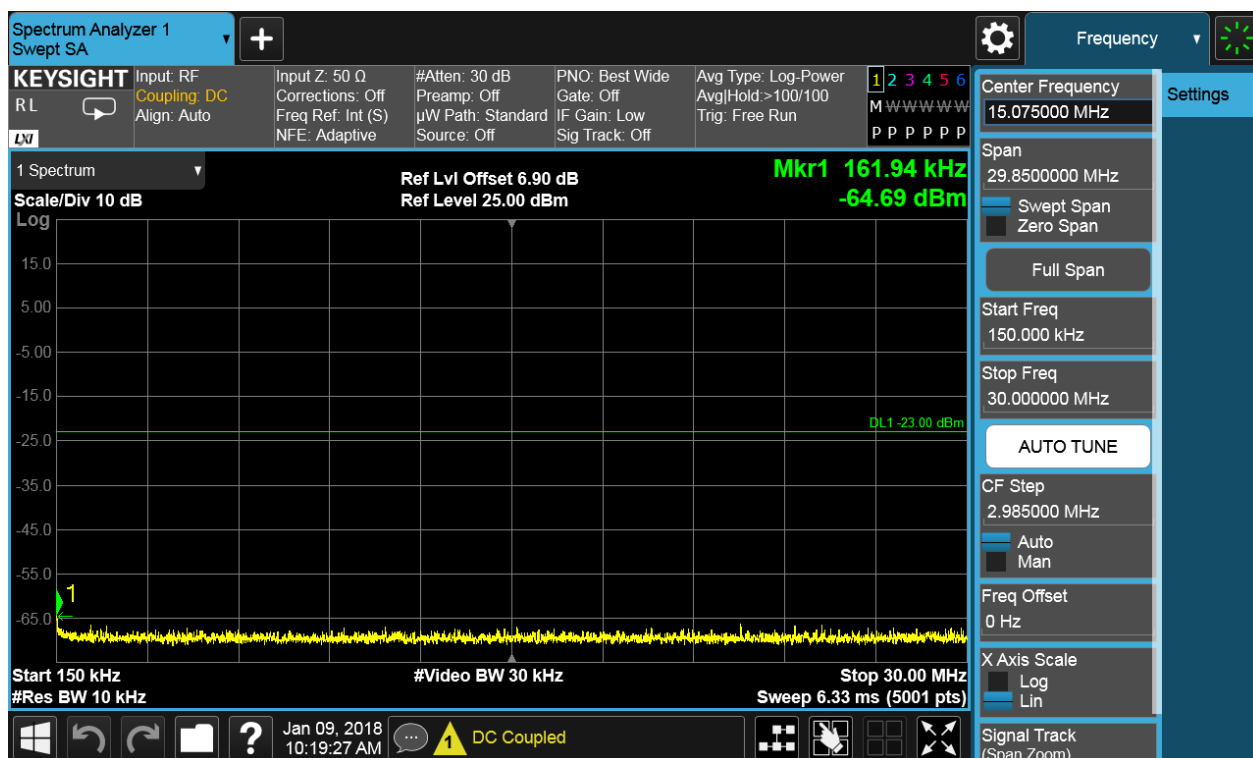


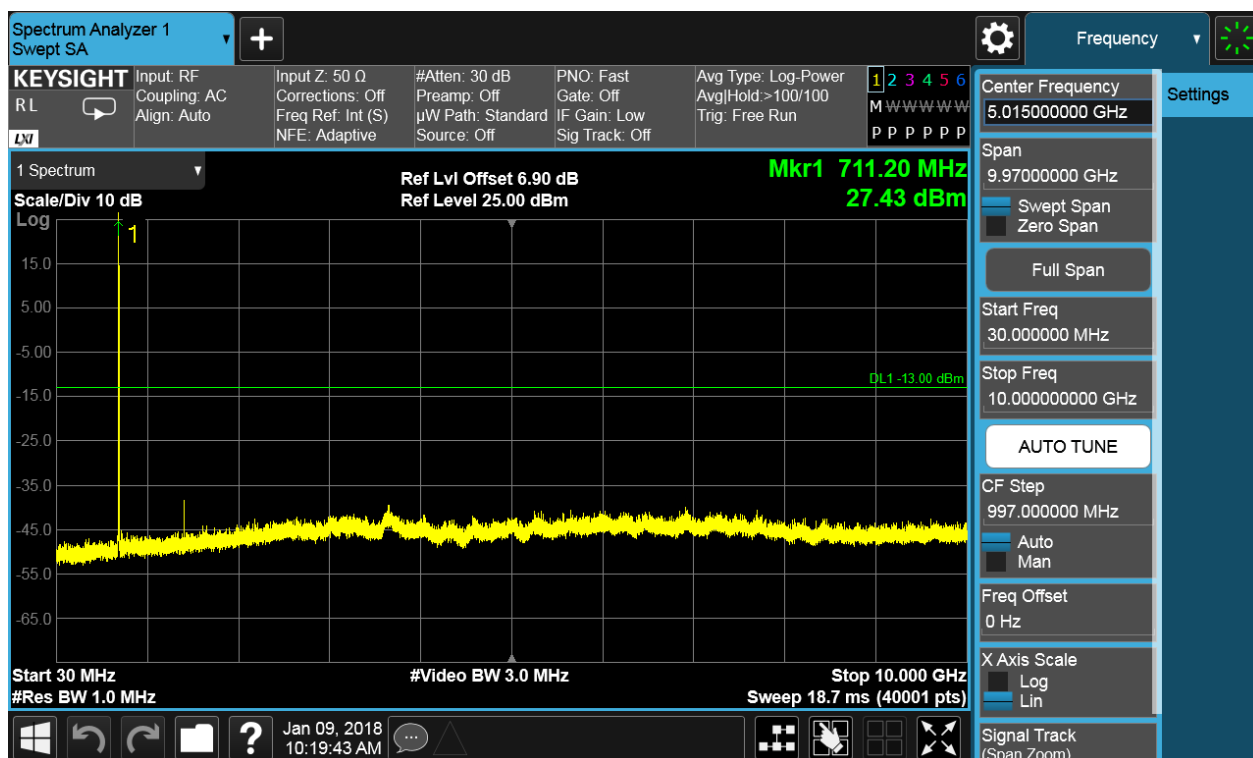


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



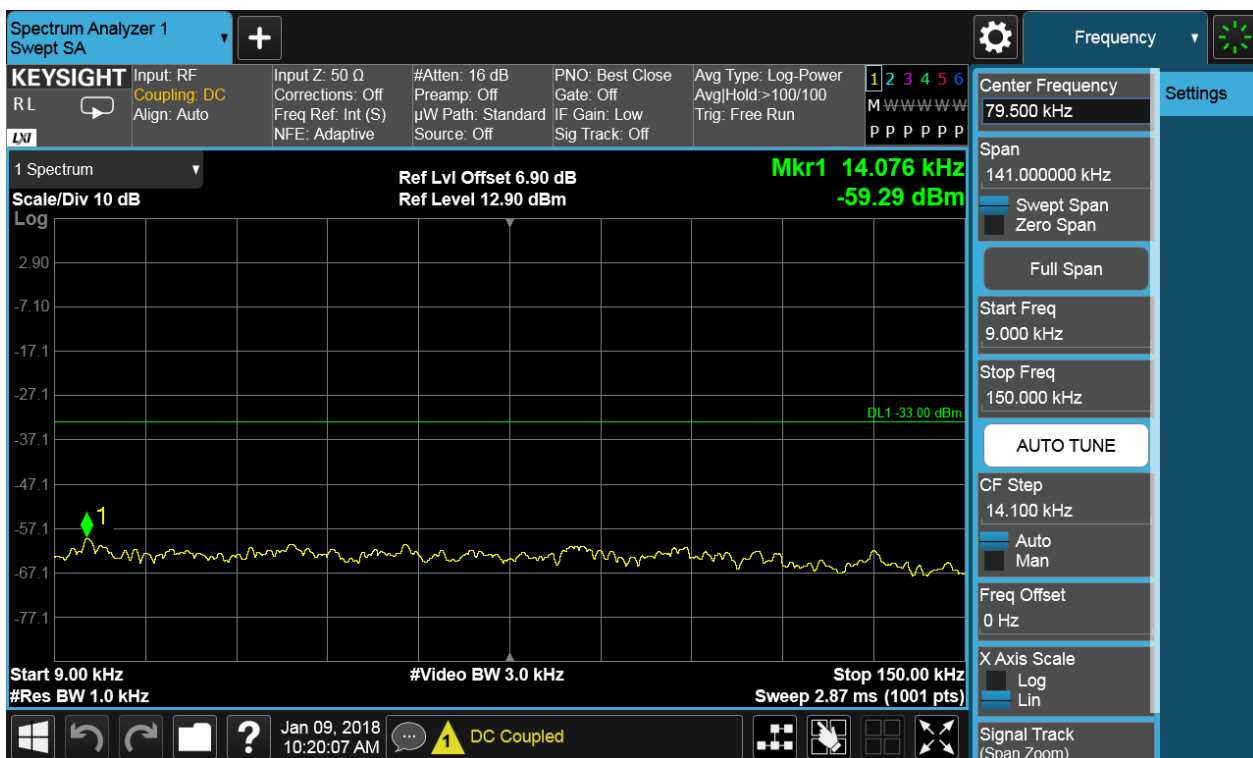


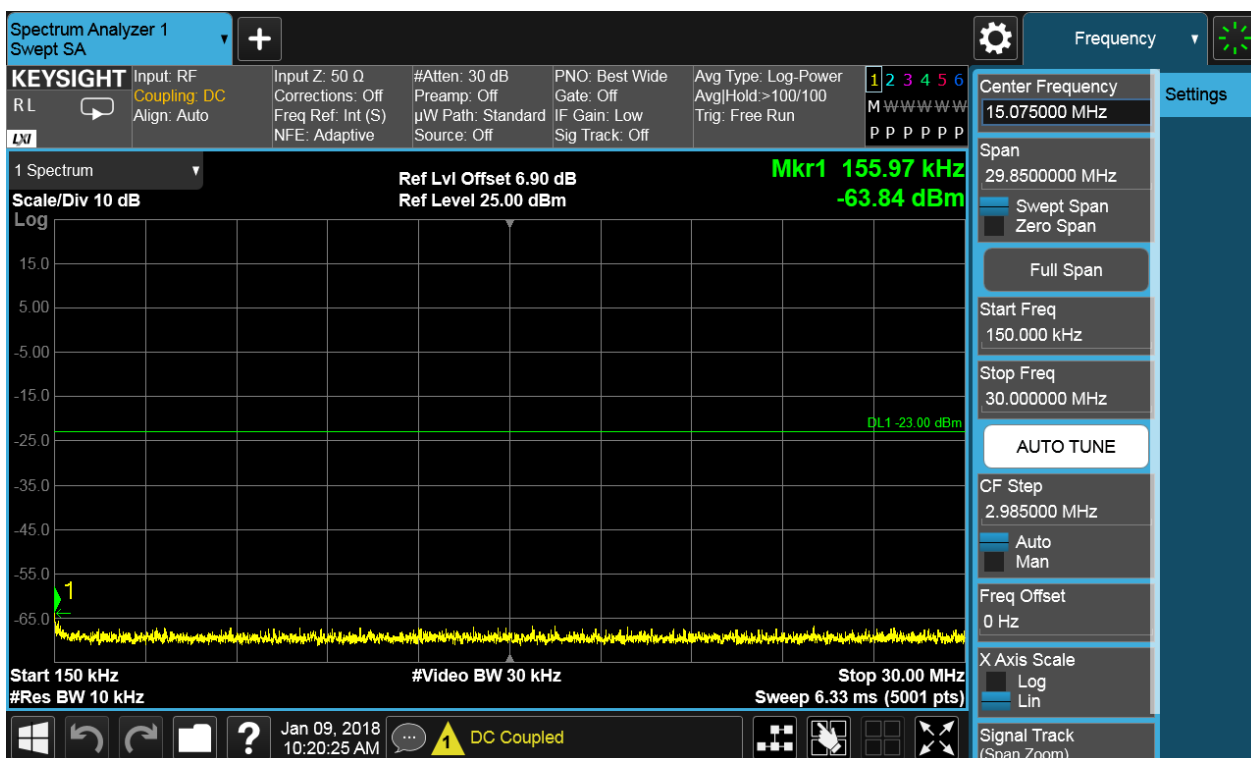


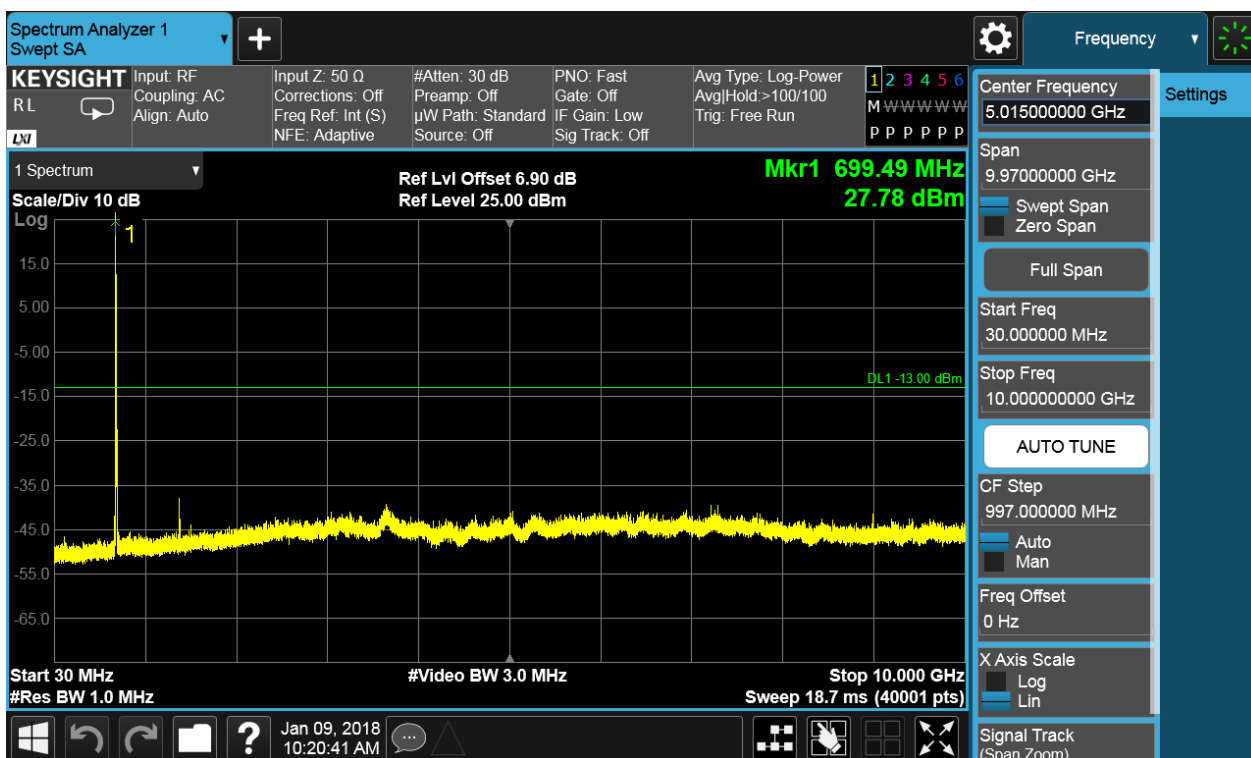
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



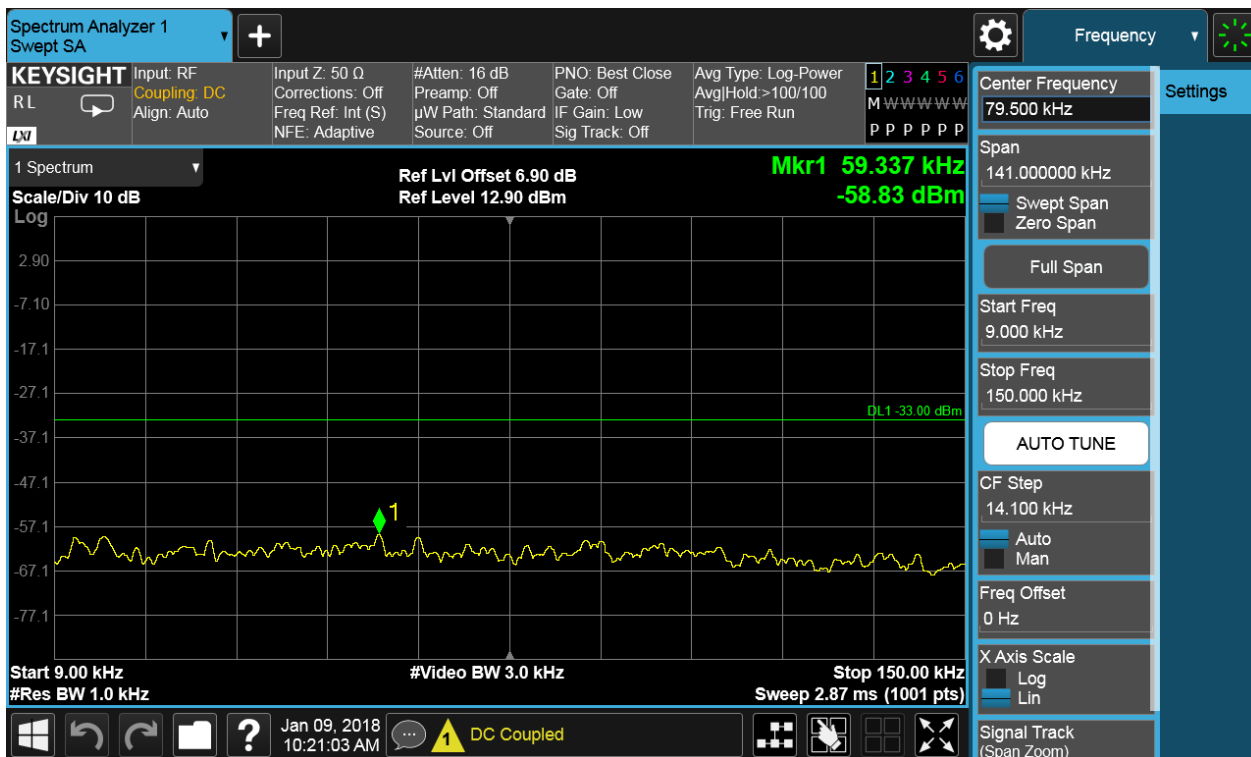


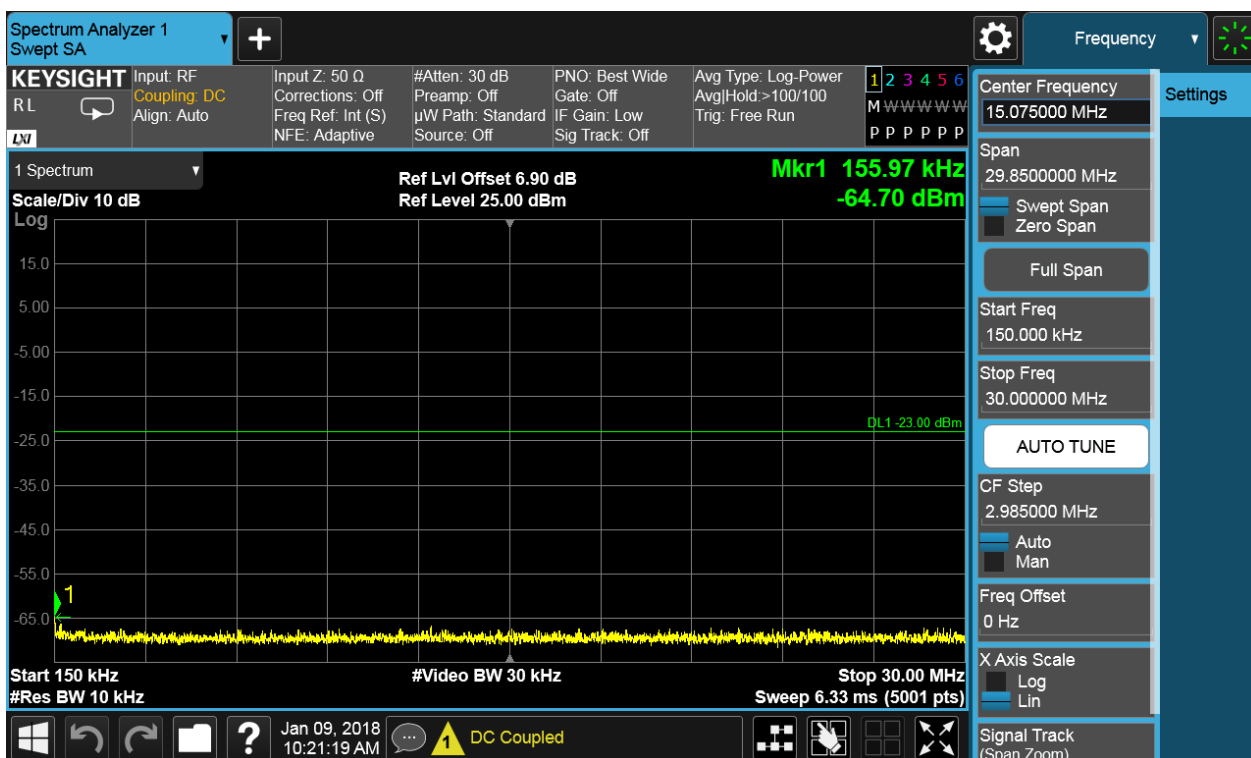


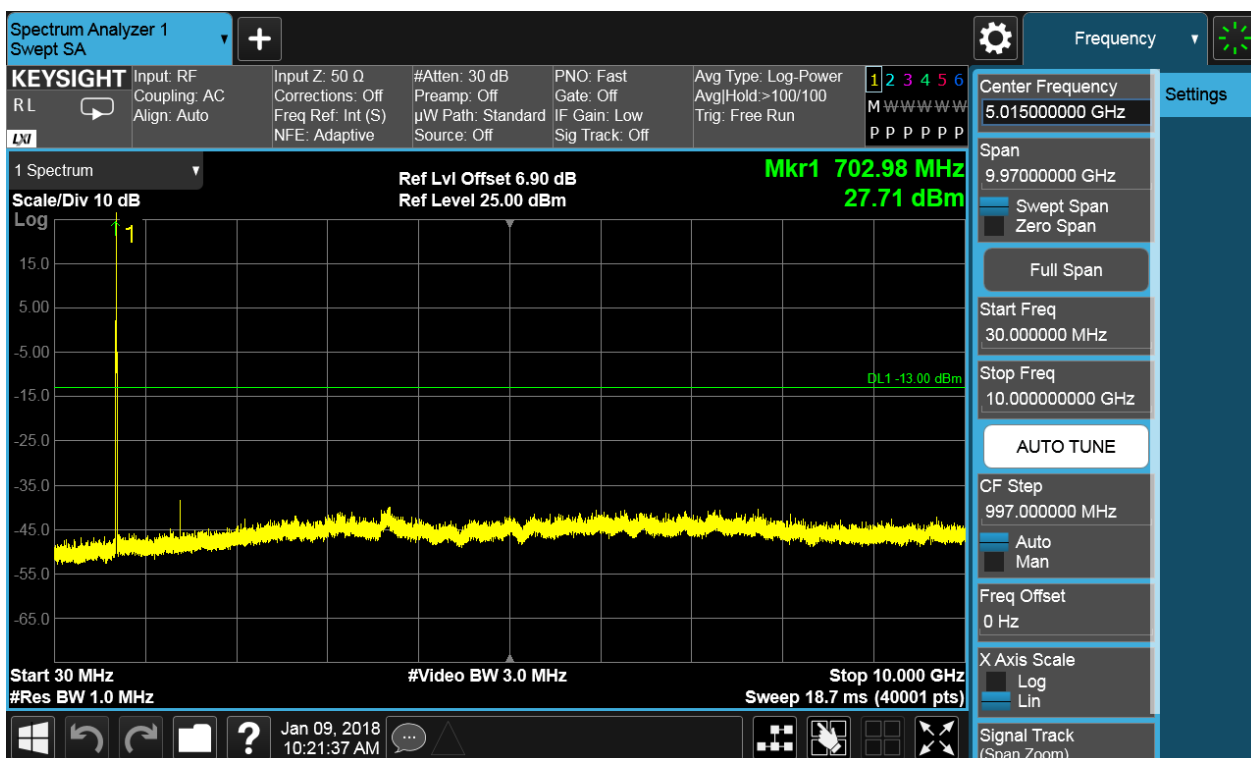


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

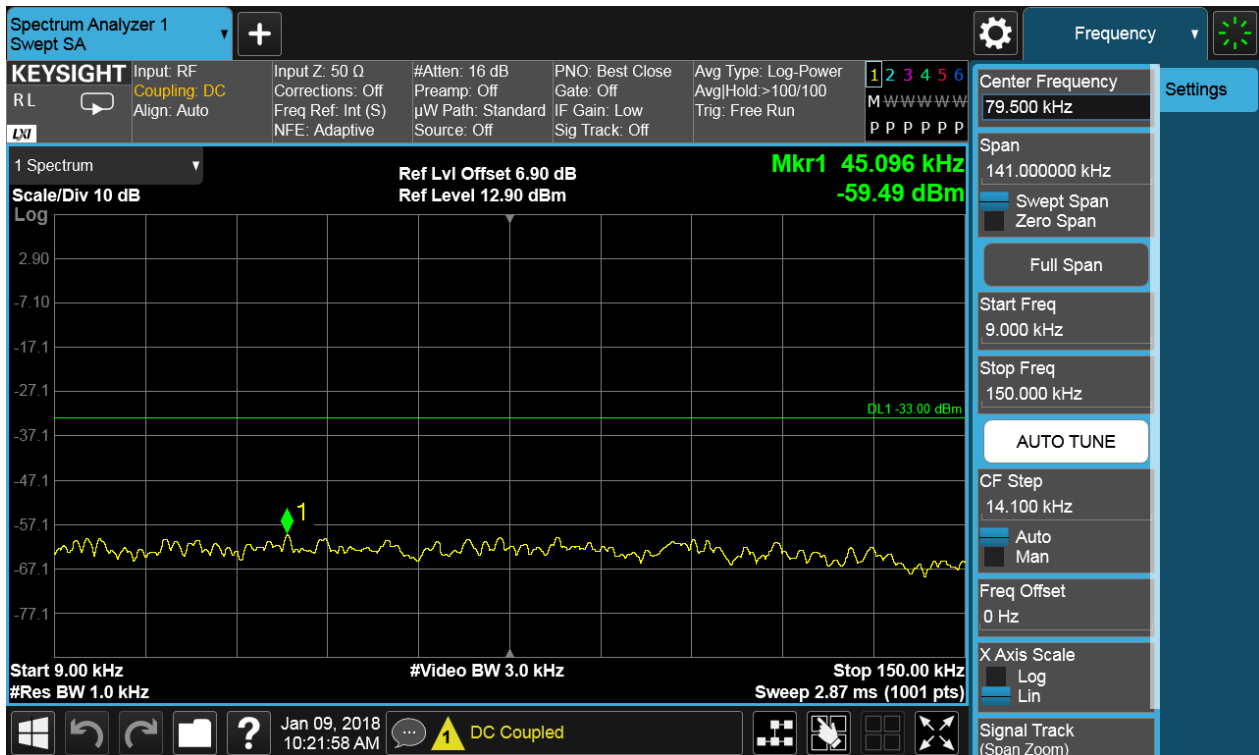




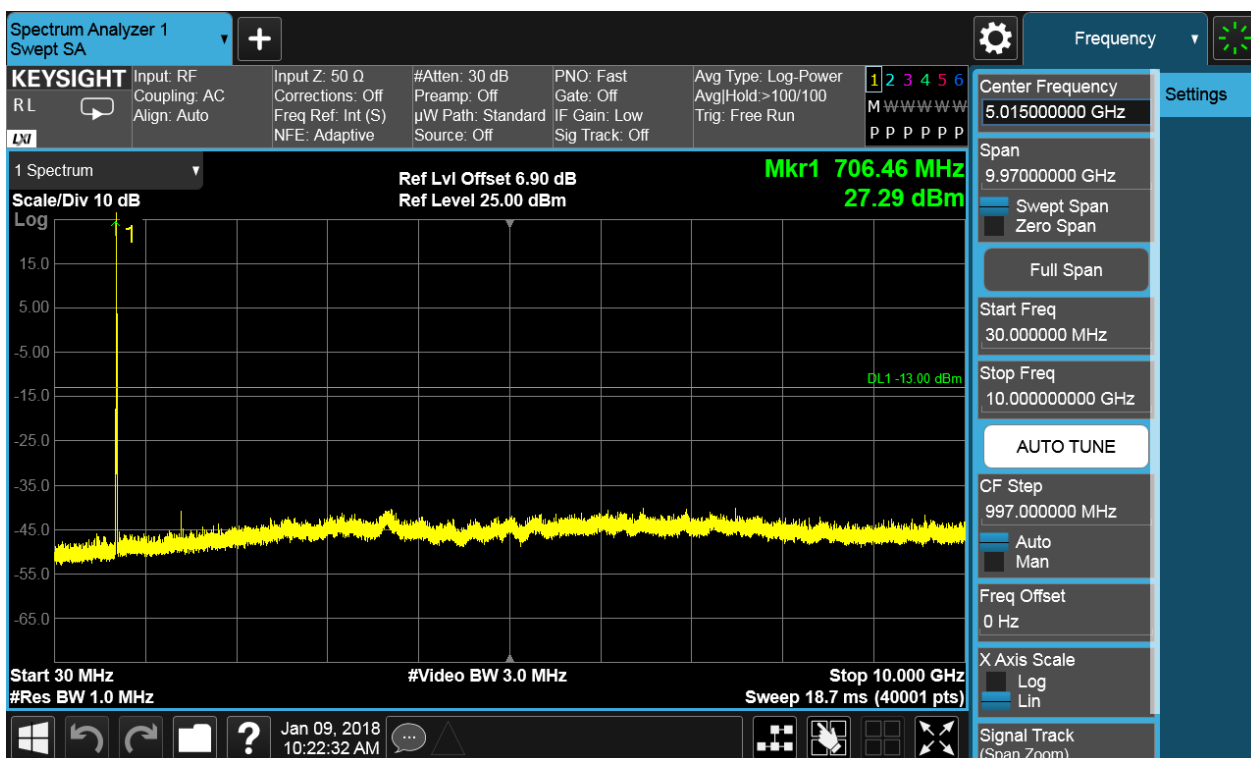


6.1.1.2.4.3 Test Channel = HCH

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

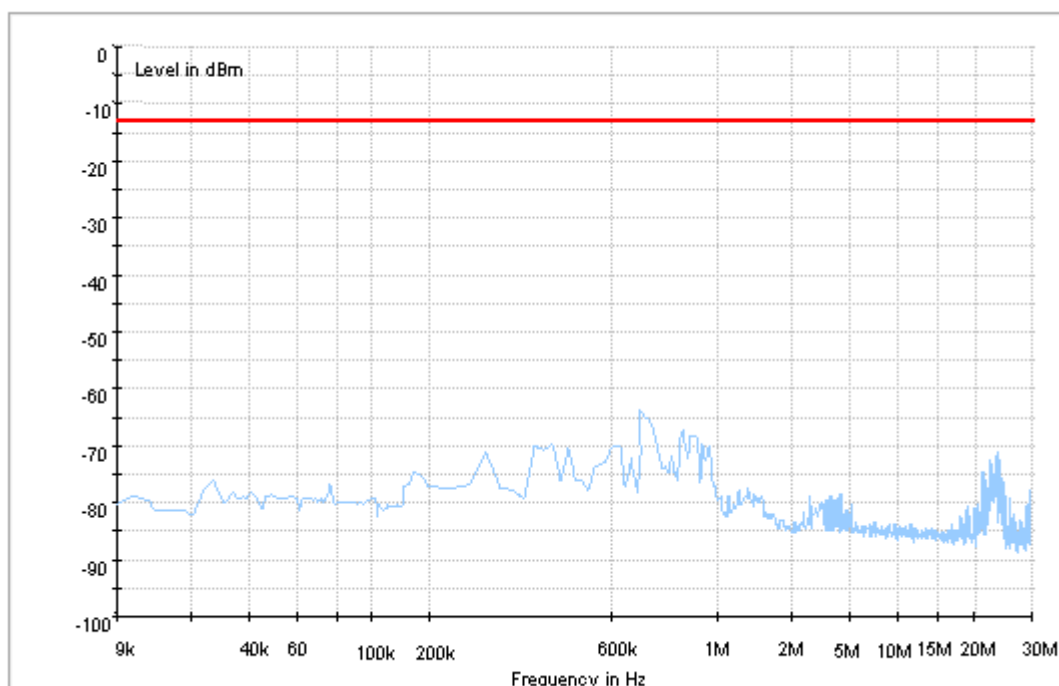
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

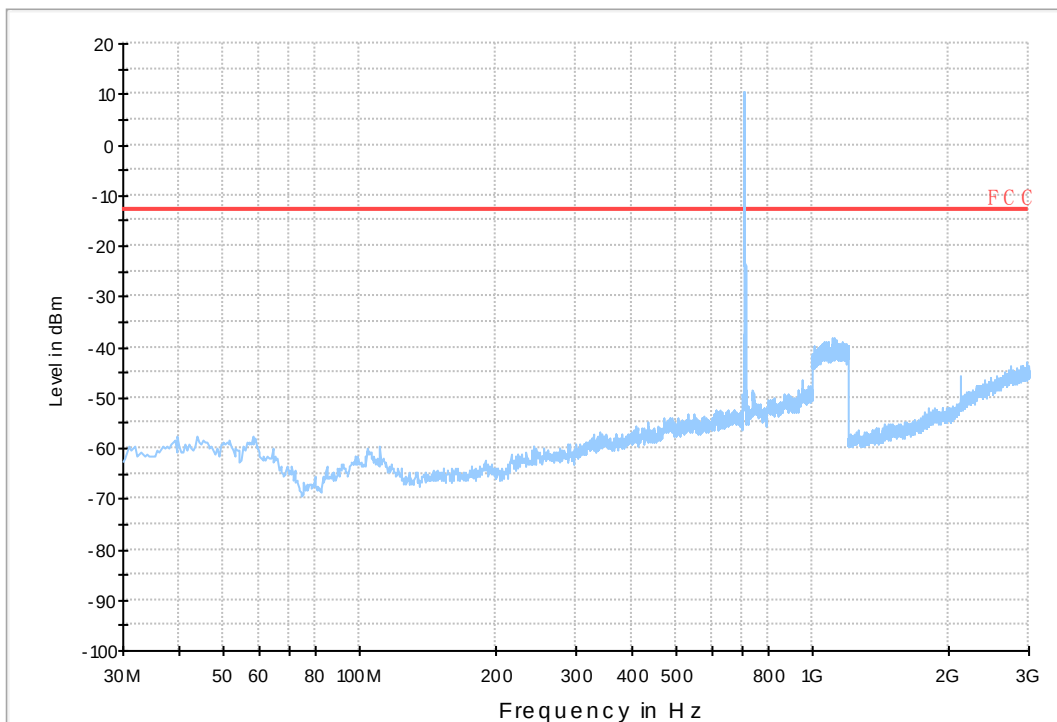
7.1 For LTE

7.1.1 Test Band = BAND12_ANT1

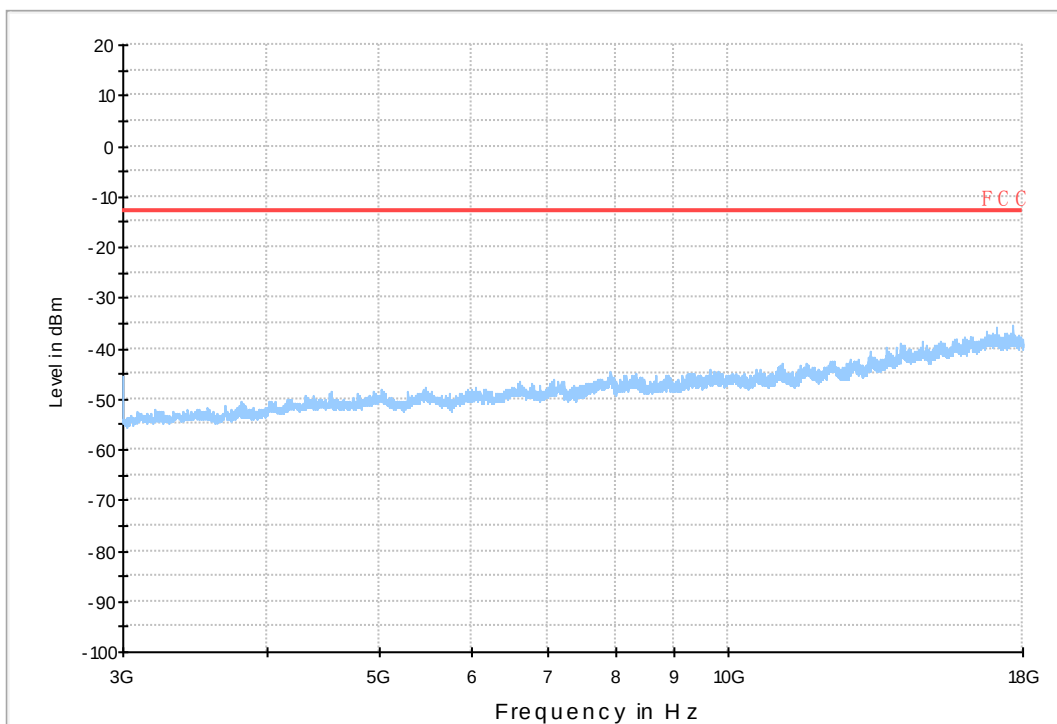
7.1.1.1 Test Bandwidth = 1.4



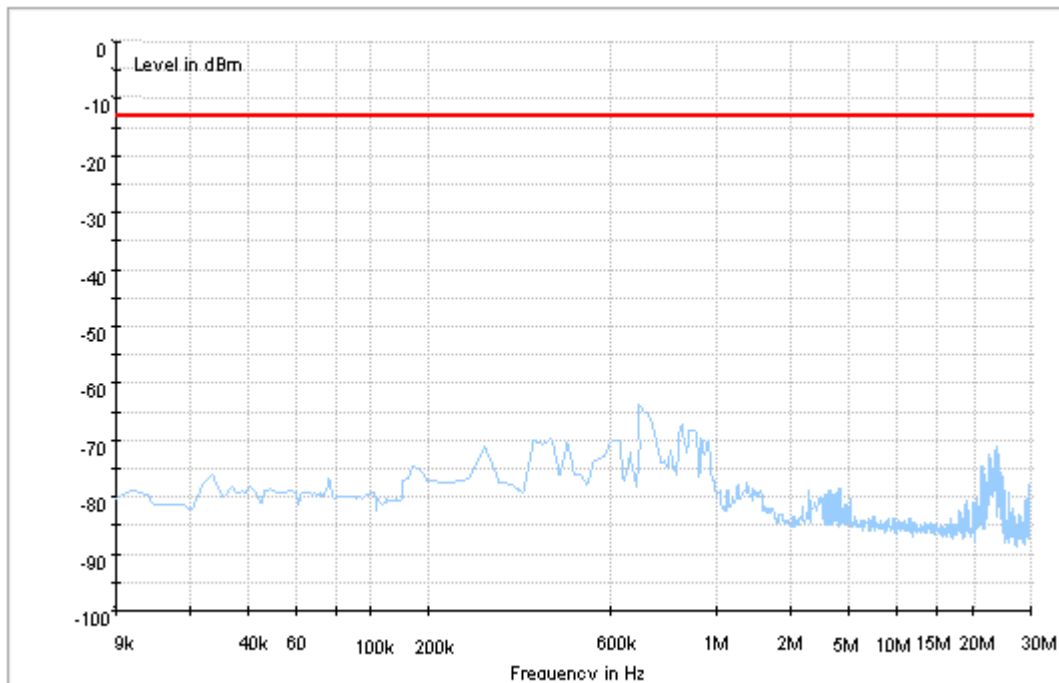
Copy of RSE-TX-DIRECTOR BELOW 1G_L



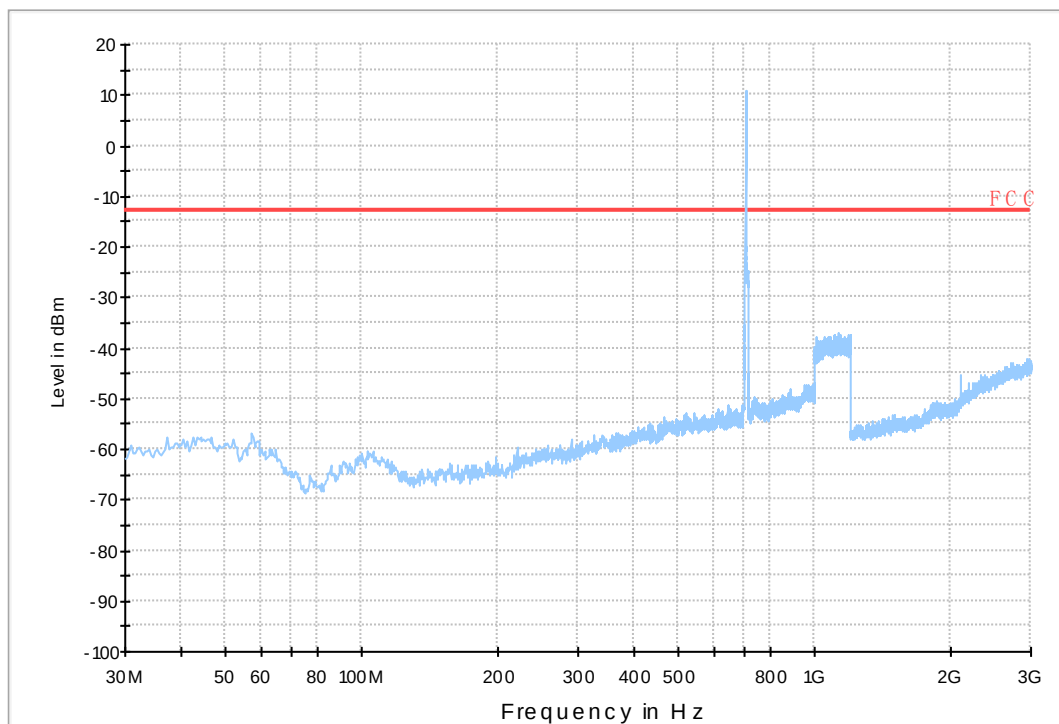
Copy of RSE-TX-DIRECTOR BELOW 1G_H



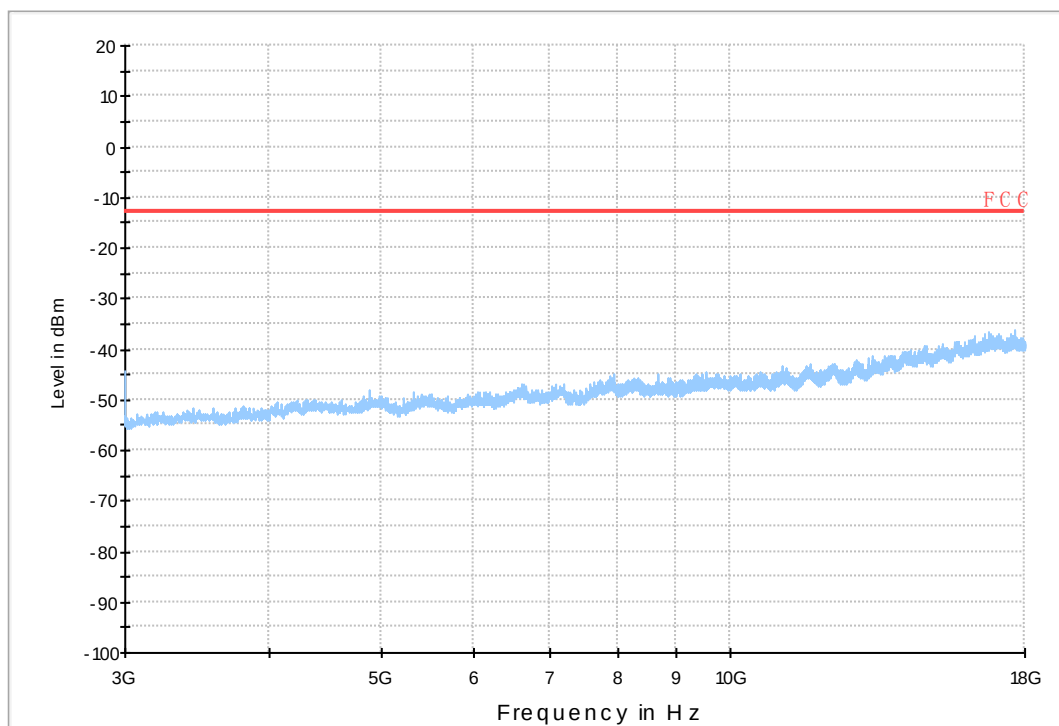
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

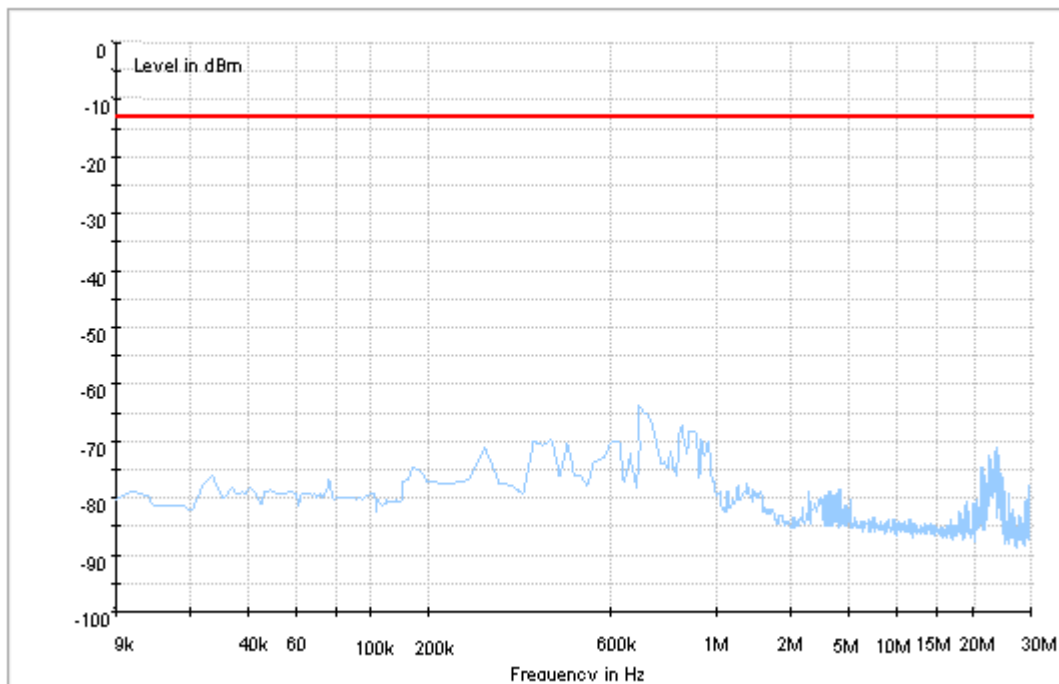


Copy of RSE-TX-DIRECTOR BELOW 1G_H

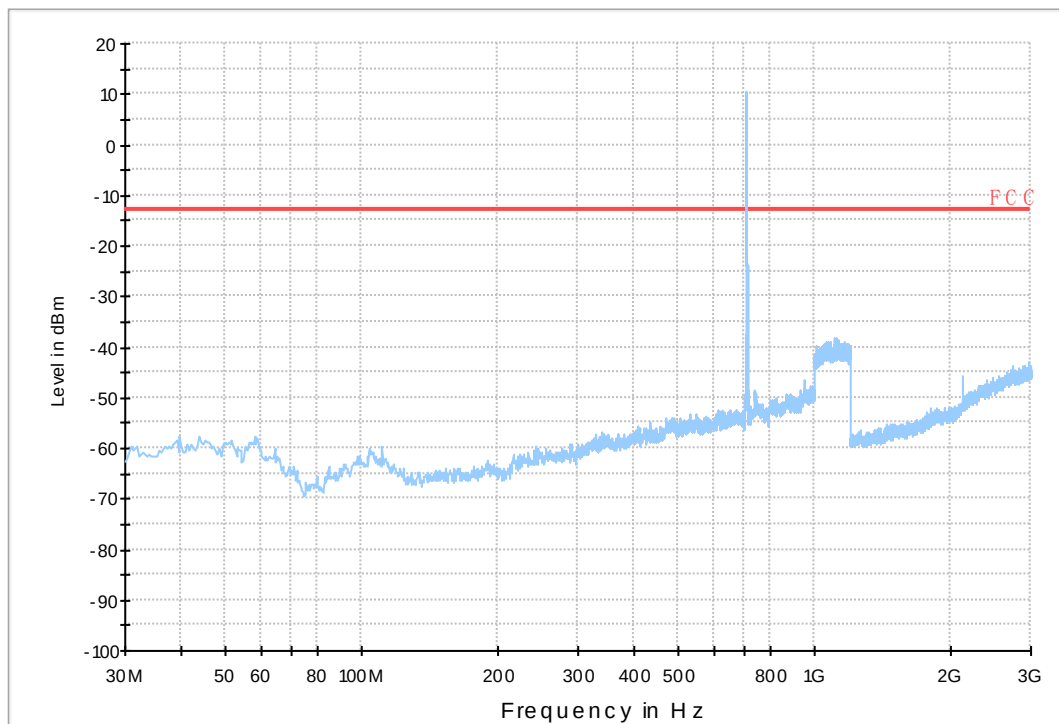


7.1.2 Test Band = BAND12_ANT2

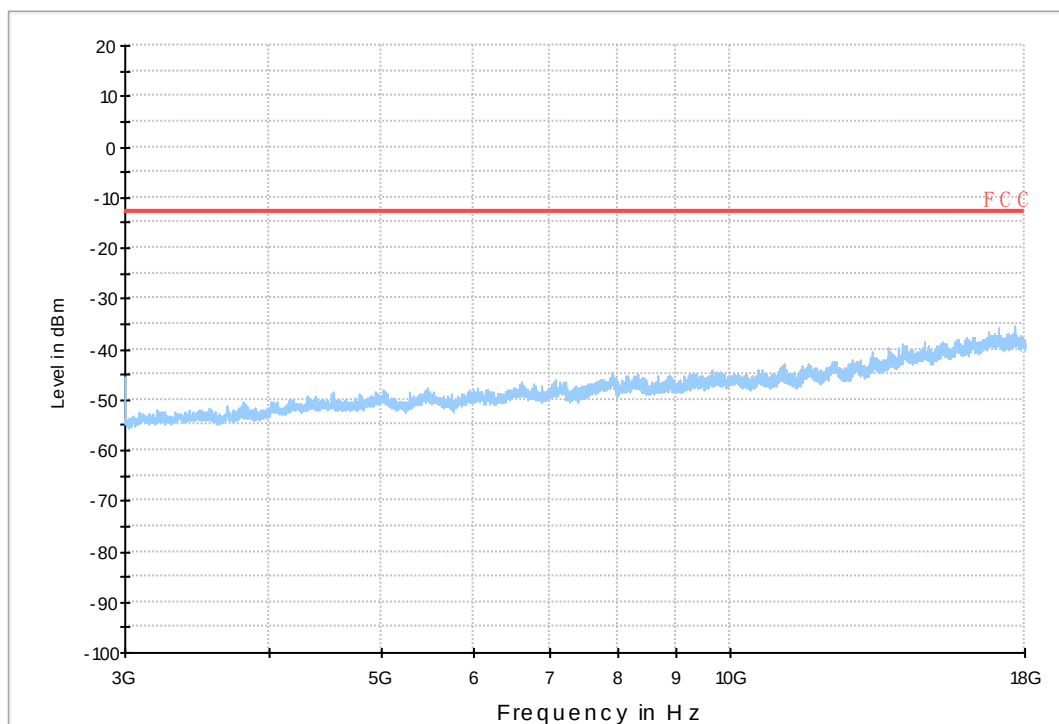
7.1.2.1 Test Bandwidth = 1.4



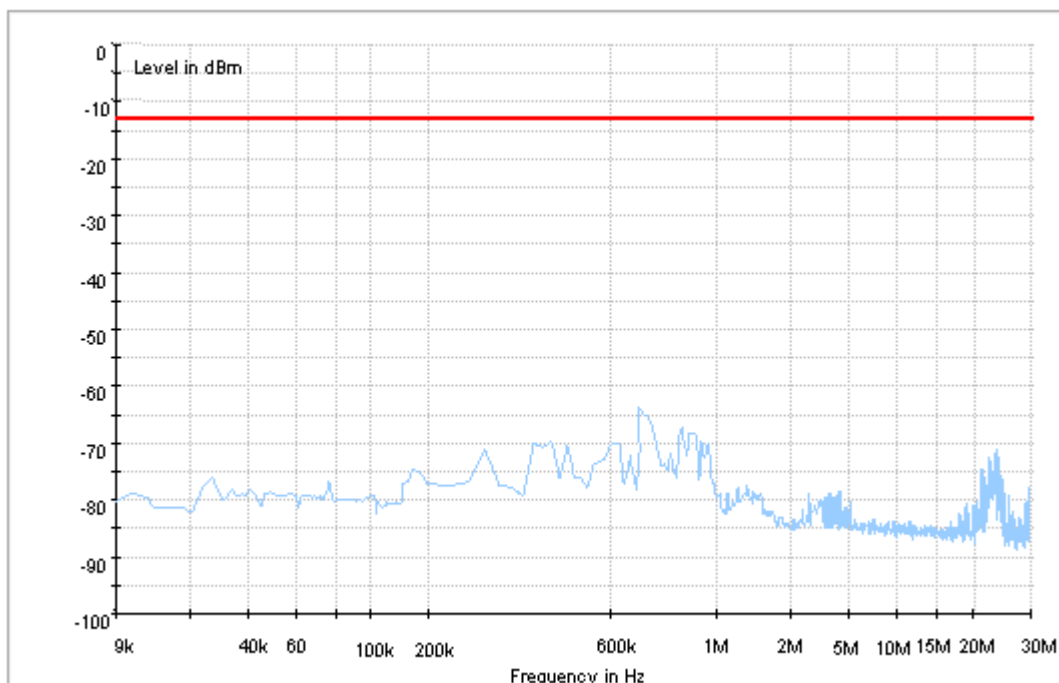
Copy of RSE-TX-DIRECTOR BELOW 1G_L



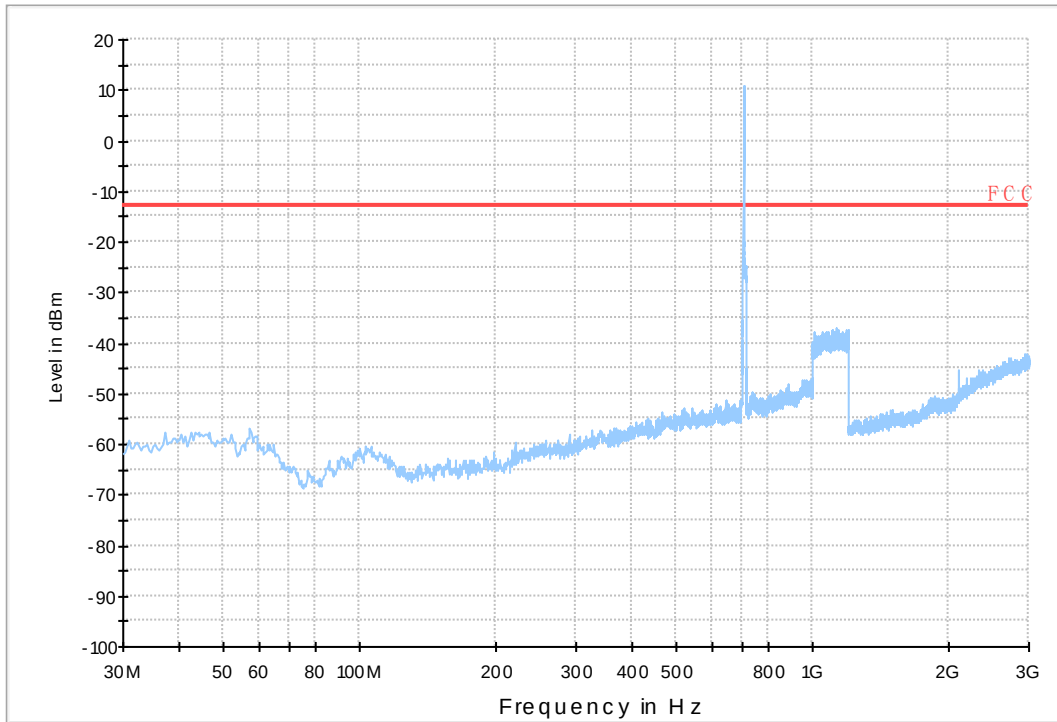
Copy of RSE-TX-DIRECTOR BELOW 1G_H



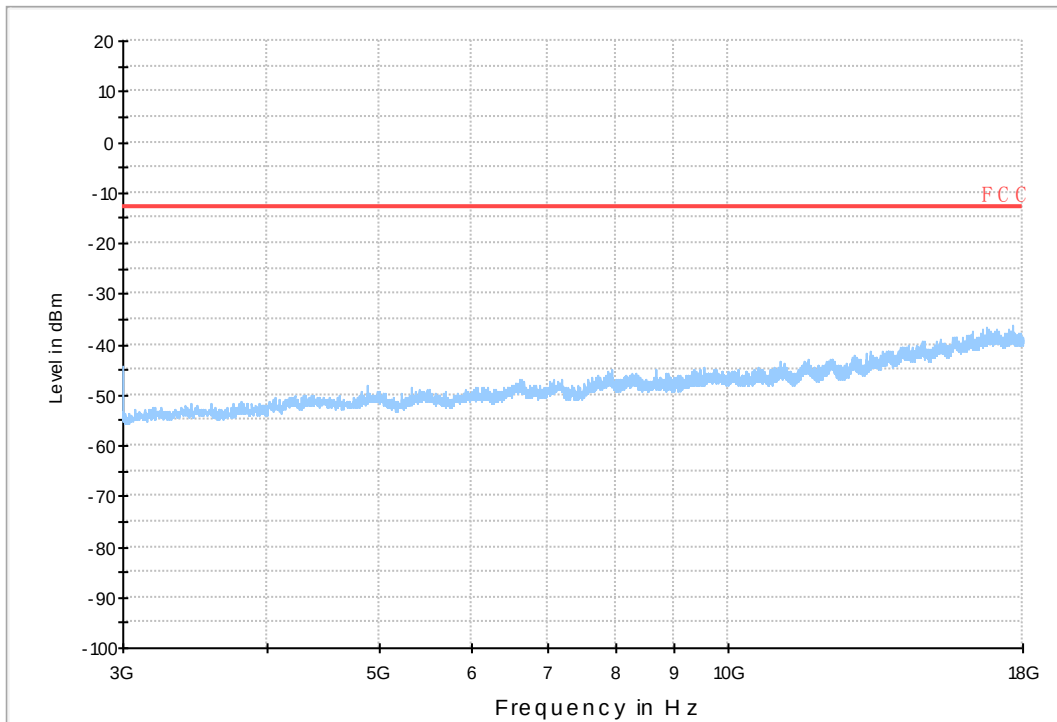
7.1.2.2 Test Bandwidth = 10



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
BAND12	LTE/TM1	1.4	LCH	TN	VL	-6.67	-0.00953	PASS
					VN	1.10	0.00157	PASS
					VH	-2.99	-0.00427	PASS
			MCH	TN	VL	0.72	0.00102	PASS
					VN	1.33	0.00188	PASS
					VH	-12.19	-0.01723	PASS
			HCH	TN	VL	5.16	0.00721	PASS
					VN	-9.64	-0.01348	PASS
					VH	8.38	0.01172	PASS
		3	LCH	TN	VL	7.35	0.01049	PASS
					VN	-0.73	-0.00104	PASS
					VH	-2.39	-0.00341	PASS
			MCH	TN	VL	-8.30	-0.01173	PASS
					VN	2.05	0.0029	PASS
					VH	-8.85	-0.01251	PASS
			HCH	TN	VL	-4.18	-0.00585	PASS
					VN	-0.83	-0.00116	PASS
					VH	-3.85	-0.00539	PASS
		5	LCH	TN	VL	-1.66	-0.00237	PASS
					VN	-1.83	-0.00261	PASS
					VH	-1.86	-0.00265	PASS
			MCH	TN	VL	0.34	0.00048	PASS
					VN	-0.03	-0.00004	PASS
					VH	3.32	0.00469	PASS
			HCH	TN	VL	-0.99	-0.00139	PASS
					VN	1.96	0.00275	PASS
					VH	1.70	0.00238	PASS
		10	LCH	TN	VL	-3.12	-0.00443	PASS
					VN	-2.40	-0.00341	PASS
					VH	-1.04	-0.00148	PASS
			MCH	TN	VL	0.17	0.00024	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	0.60	0.00085	PASS
					VH	1.29	0.00182	PASS
					VL	0.70	0.00098	PASS
					VN	1.52	0.00214	PASS
					VH	1.93	0.00271	PASS
	LTE/TM2	1.4	LCH	TN	VL	3.20	0.00457	PASS
					VN	-14.71	-0.02102	PASS
					VH	-13.38	-0.01912	PASS
			MCH	TN	VL	-2.00	-0.00283	PASS
					VN	-5.98	-0.00845	PASS
					VH	-10.37	-0.01466	PASS
			HCH	TN	VL	-9.53	-0.01332	PASS
					VN	15.78	0.02206	PASS
					VH	4.11	0.00575	PASS
		3	LCH	TN	VL	1.03	0.00147	PASS
					VN	-0.63	-0.0009	PASS
					VH	1.20	0.00171	PASS
			MCH	TN	VL	5.75	0.00813	PASS
					VN	-7.25	-0.01025	PASS
					VH	1.12	0.00158	PASS
			HCH	TN	VL	5.72	0.00801	PASS
					VN	-6.78	-0.00949	PASS
					VH	3.59	0.00502	PASS
		5	LCH	TN	VL	1.29	0.00184	PASS
					VN	-1.26	-0.0018	PASS
					VH	-0.44	-0.00063	PASS
			MCH	TN	VL	-0.86	-0.00122	PASS
					VN	0.16	0.00023	PASS
					VH	-0.56	-0.00079	PASS
			HCH	TN	VL	-1.13	-0.00158	PASS
					VN	-0.06	-0.00008	PASS
					VH	-2.75	-0.00385	PASS
		10	LCH	TN	VL	-0.13	-0.00018	PASS
					VN	2.20	0.00313	PASS
					VH	0.07	0.0001	PASS
			MCH	TN	VL	0.64	0.0009	PASS
					VN	2.12	0.003	PASS
					VH	0.37	0.00052	PASS
			HCH	TN	VL	-1.33	-0.00187	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-1.56	-0.00219	PASS
					VH	2.53	0.00356	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
BAND12	LTE/TM1	1.4	LCH	VN	-30	-8.50	-0.01215	PASS
					-20	-0.03	-0.00004	PASS
					-10	10.26	0.01466	PASS
					0	5.25	0.0075	PASS
					10	-0.74	-0.00106	PASS
					20	-4.75	-0.00679	PASS
					30	-0.56	-0.0008	PASS
					40	-2.92	-0.00417	PASS
					50	3.48	0.00497	PASS
			MCH	VN	-30	-1.69	-0.00239	PASS
					-20	-14.79	-0.0209	PASS
					-10	-9.77	-0.01381	PASS
					0	5.44	0.00769	PASS
					10	1.30	0.00184	PASS
					20	23.56	0.0333	PASS
					30	2.06	0.00291	PASS
					40	8.90	0.01258	PASS
					50	14.81	0.02093	PASS
			HCH	VN	-30	-22.66	-0.03168	PASS
					-20	5.14	0.00719	PASS
					-10	2.23	0.00312	PASS
					0	6.51	0.0091	PASS
					10	-6.90	-0.00965	PASS
					20	-0.07	-0.0001	PASS
					30	9.97	0.01394	PASS
					40	4.43	0.00619	PASS
					50	7.61	0.01064	PASS
		3	LCH	VN	-30	5.02	0.00717	PASS
					-20	3.50	0.005	PASS
					-10	-6.78	-0.00968	PASS
					0	-0.59	-0.00084	PASS
					10	-0.17	-0.00024	PASS
					20	5.89	0.00841	PASS
					30	10.23	0.0146	PASS
					40	-4.12	-0.00588	PASS
					50	-2.29	-0.00327	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	-30	2.05	0.0029	PASS
					-20	-4.92	-0.00695	PASS
					-10	-7.94	-0.01122	PASS
					0	3.22	0.00455	PASS
					10	-2.10	-0.00297	PASS
					20	-1.34	-0.00189	PASS
					30	3.23	0.00457	PASS
					40	-1.43	-0.00202	PASS
					50	1.87	0.00264	PASS
			HCH	VN	-30	-0.27	-0.00038	PASS
					-20	-1.77	-0.00248	PASS
					-10	-2.46	-0.00344	PASS
					0	8.07	0.01129	PASS
					10	-0.39	-0.00055	PASS
					20	4.35	0.00609	PASS
					30	-1.73	-0.00242	PASS
					40	-0.89	-0.00125	PASS
					50	2.40	0.00336	PASS
		5	LCH	VN	-30	-2.00	-0.00285	PASS
					-20	1.24	0.00177	PASS
					-10	-0.41	-0.00058	PASS
					0	1.16	0.00165	PASS
					10	-1.93	-0.00275	PASS
					20	-2.46	-0.00351	PASS
					30	-2.37	-0.00338	PASS
					40	0.39	0.00056	PASS
					50	-2.43	-0.00346	PASS
			MCH	VN	-30	0.04	0.00006	PASS
					-20	0.26	0.00037	PASS
					-10	1.63	0.0023	PASS
					0	-0.14	-0.0002	PASS
					10	0.90	0.00127	PASS
					20	-1.57	-0.00222	PASS
					30	-1.62	-0.00229	PASS
					40	-2.10	-0.00297	PASS
					50	-3.08	-0.00435	PASS
			HCH	VN	-30	-0.74	-0.00104	PASS
					-20	-0.74	-0.00104	PASS
					-10	1.54	0.00216	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-0.59	-0.00083	PASS
					10	-0.94	-0.00132	PASS
					20	1.52	0.00213	PASS
					30	0.66	0.00093	PASS
					40	0.83	0.00116	PASS
					50	-0.27	-0.00038	PASS
		10	LCH	VN	-30	-0.24	-0.00034	PASS
					-20	0.31	0.00044	PASS
					-10	1.23	0.00175	PASS
					0	-1.19	-0.00169	PASS
					10	-0.20	-0.00028	PASS
					20	0.64	0.00091	PASS
					30	-0.51	-0.00072	PASS
					40	0.47	0.00067	PASS
					50	1.57	0.00223	PASS
			MCH	VN	-30	1.70	0.0024	PASS
					-20	-1.93	-0.00273	PASS
					-10	-0.46	-0.00065	PASS
					0	-0.69	-0.00098	PASS
					10	-0.27	-0.00038	PASS
					20	-0.13	-0.00018	PASS
					30	-0.31	-0.00044	PASS
					40	0.14	0.0002	PASS
					50	1.52	0.00215	PASS
			HCH	VN	-30	0.53	0.00075	PASS
					-20	-1.49	-0.0021	PASS
					-10	3.76	0.00529	PASS
					0	-1.32	-0.00186	PASS
					10	-0.31	-0.00044	PASS
					20	0.13	0.00018	PASS
					30	0.69	0.00097	PASS
					40	-2.88	-0.00405	PASS
					50	-2.05	-0.00288	PASS
	LTE/TM2	1.4	LCH	VN	-30	-0.43	-0.00061	PASS
					-20	-8.05	-0.0115	PASS
					-10	-6.42	-0.00918	PASS
					0	2.37	0.00339	PASS
					10	-6.51	-0.0093	PASS
					20	-6.01	-0.00859	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	0.41	0.00059	PASS
					40	8.27	0.01182	PASS
					50	-1.85	-0.00264	PASS
			MCH	VN	-30	9.04	0.01278	PASS
					-20	-2.36	-0.00334	PASS
					-10	-11.56	-0.01634	PASS
					0	-6.28	-0.00888	PASS
					10	13.78	0.01948	PASS
					20	-11.90	-0.01682	PASS
					30	21.27	0.03006	PASS
					40	-2.78	-0.00393	PASS
					50	-8.07	-0.01141	PASS
			HCH	VN	-30	9.76	0.01364	PASS
					-20	-0.36	-0.0005	PASS
					-10	8.93	0.01248	PASS
					0	14.28	0.01996	PASS
					10	-0.74	-0.00103	PASS
					20	7.30	0.01021	PASS
					30	0.06	0.00008	PASS
					40	-9.70	-0.01356	PASS
					50	4.29	0.006	PASS
		3	LCH	VN	-30	-1.69	-0.00241	PASS
					-20	0.31	0.00044	PASS
					-10	9.41	0.01343	PASS
					0	-5.41	-0.00772	PASS
					10	-5.11	-0.00729	PASS
					20	-1.32	-0.00188	PASS
					30	-0.19	-0.00027	PASS
					40	7.35	0.01049	PASS
					50	4.52	0.00645	PASS
			MCH	VN	-30	-0.04	-0.00006	PASS
					-20	1.20	0.0017	PASS
					-10	-1.56	-0.0022	PASS
					0	-2.02	-0.00286	PASS
					10	-0.72	-0.00102	PASS
					20	-1.83	-0.00259	PASS
					30	-1.75	-0.00247	PASS
					40	0.64	0.0009	PASS
					50	1.43	0.00202	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	-30	1.06	0.00148	PASS
					-20	0.20	0.00028	PASS
					-10	0.66	0.00092	PASS
					0	2.19	0.00307	PASS
					10	-3.93	-0.0055	PASS
					20	-1.89	-0.00265	PASS
					30	2.12	0.00297	PASS
					40	-2.05	-0.00287	PASS
					50	2.32	0.00325	PASS
		5	LCH	VN	-30	0.10	0.00014	PASS
					-20	0.60	0.00086	PASS
					-10	-0.41	-0.00058	PASS
					0	-1.52	-0.00217	PASS
					10	1.39	0.00198	PASS
					20	-2.99	-0.00426	PASS
					30	0.21	0.0003	PASS
					40	-0.54	-0.00077	PASS
					50	0.31	0.00044	PASS
			MCH	VN	-30	1.14	0.00161	PASS
					-20	-0.66	-0.00093	PASS
					-10	0.94	0.00133	PASS
					0	1.53	0.00216	PASS
					10	2.45	0.00346	PASS
					20	-2.82	-0.00399	PASS
					30	-3.65	-0.00516	PASS
					40	1.43	0.00202	PASS
					50	7.40	0.01046	PASS
			HCH	VN	-30	0.43	0.0006	PASS
					-20	-0.40	-0.00056	PASS
					-10	1.82	0.00255	PASS
					0	0.66	0.00093	PASS
					10	-1.37	-0.00192	PASS
					20	-1.69	-0.00237	PASS
					30	-2.37	-0.00332	PASS
					40	0.17	0.00024	PASS
					50	-2.26	-0.00317	PASS
		10	LCH	VN	-30	1.57	0.00223	PASS
					-20	2.02	0.00287	PASS
					-10	-0.66	-0.00094	PASS