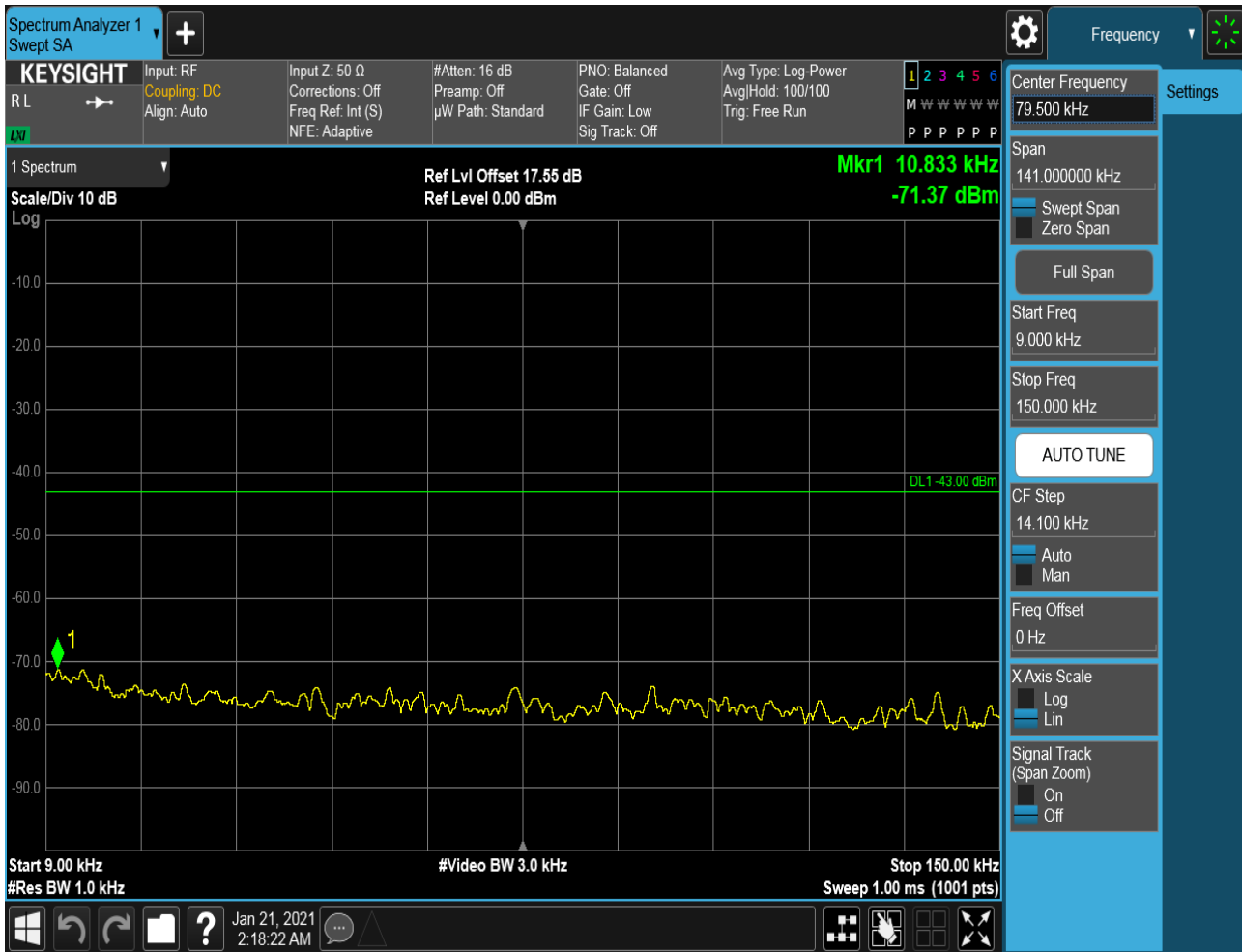
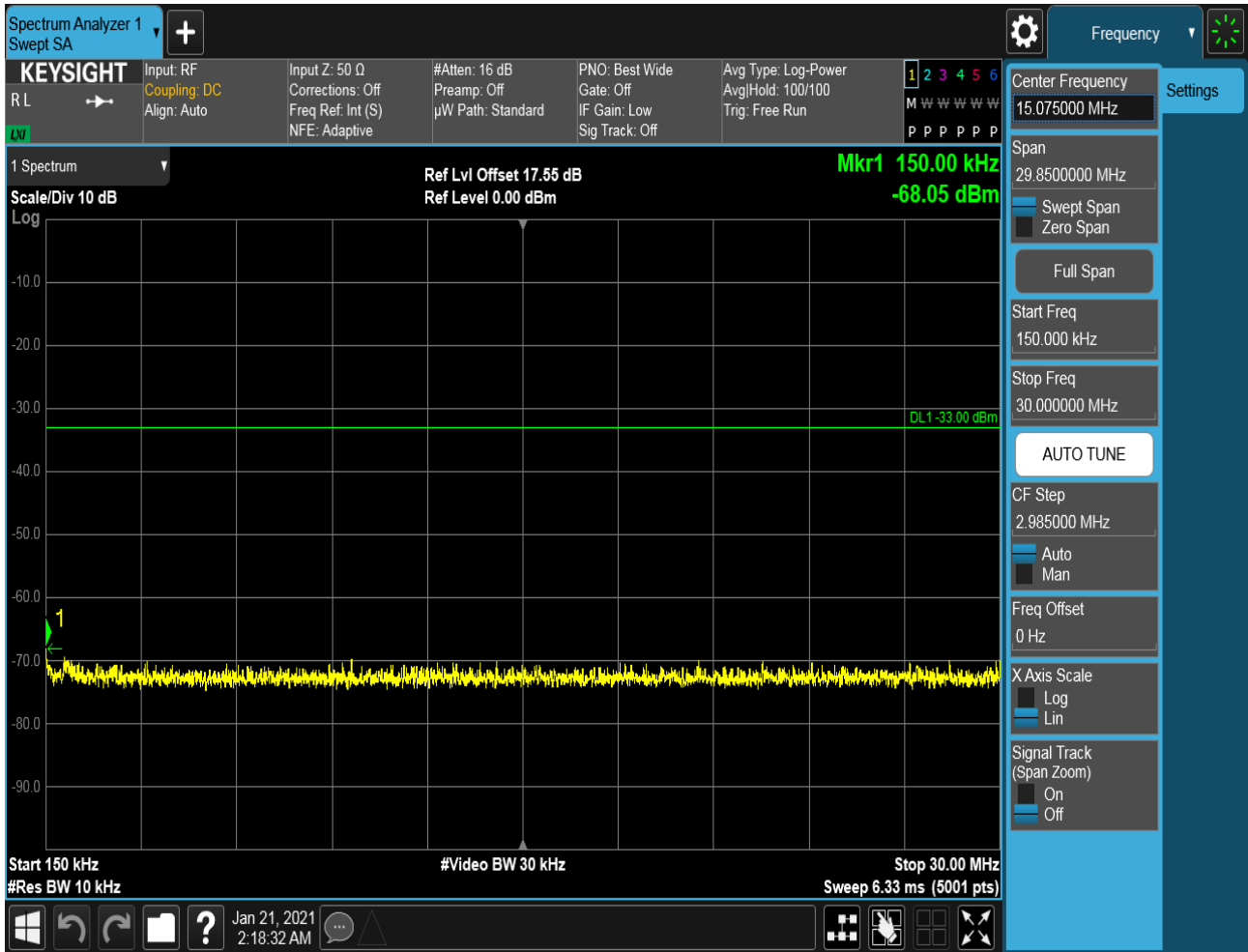
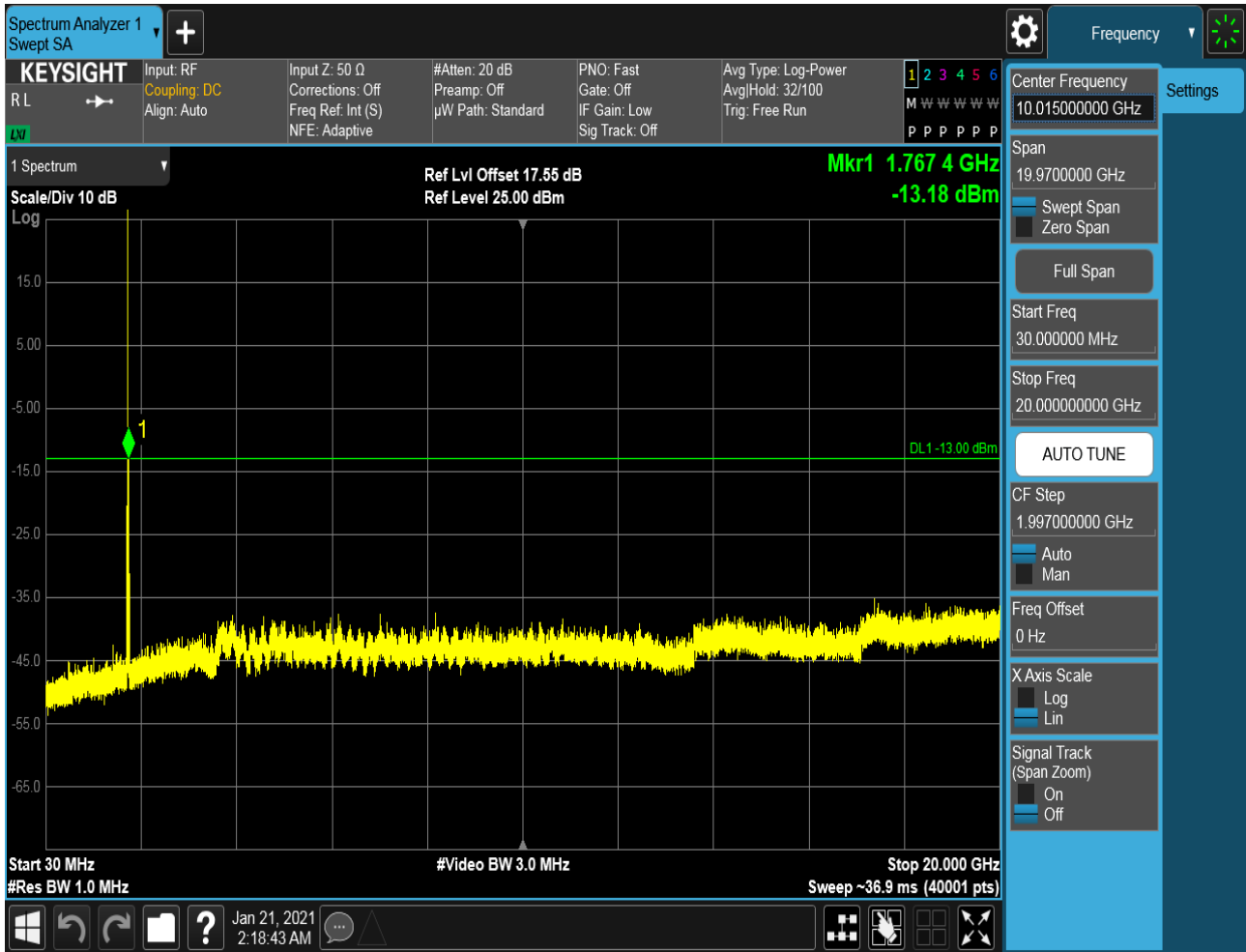


6.2.1.2.5.3 Test Channel = HCH

6.2.1.2.5.3.1 Test RB = RB1#0



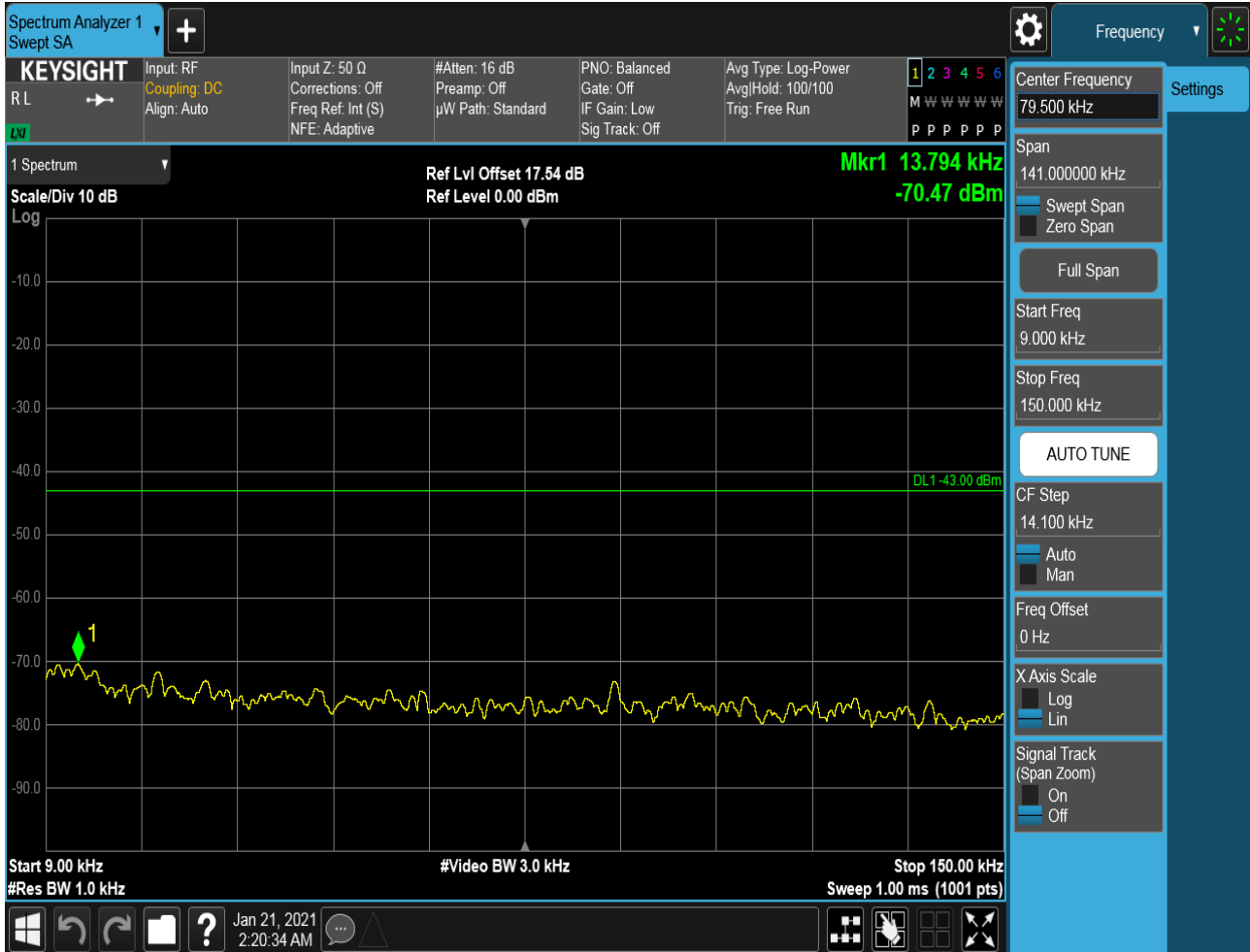


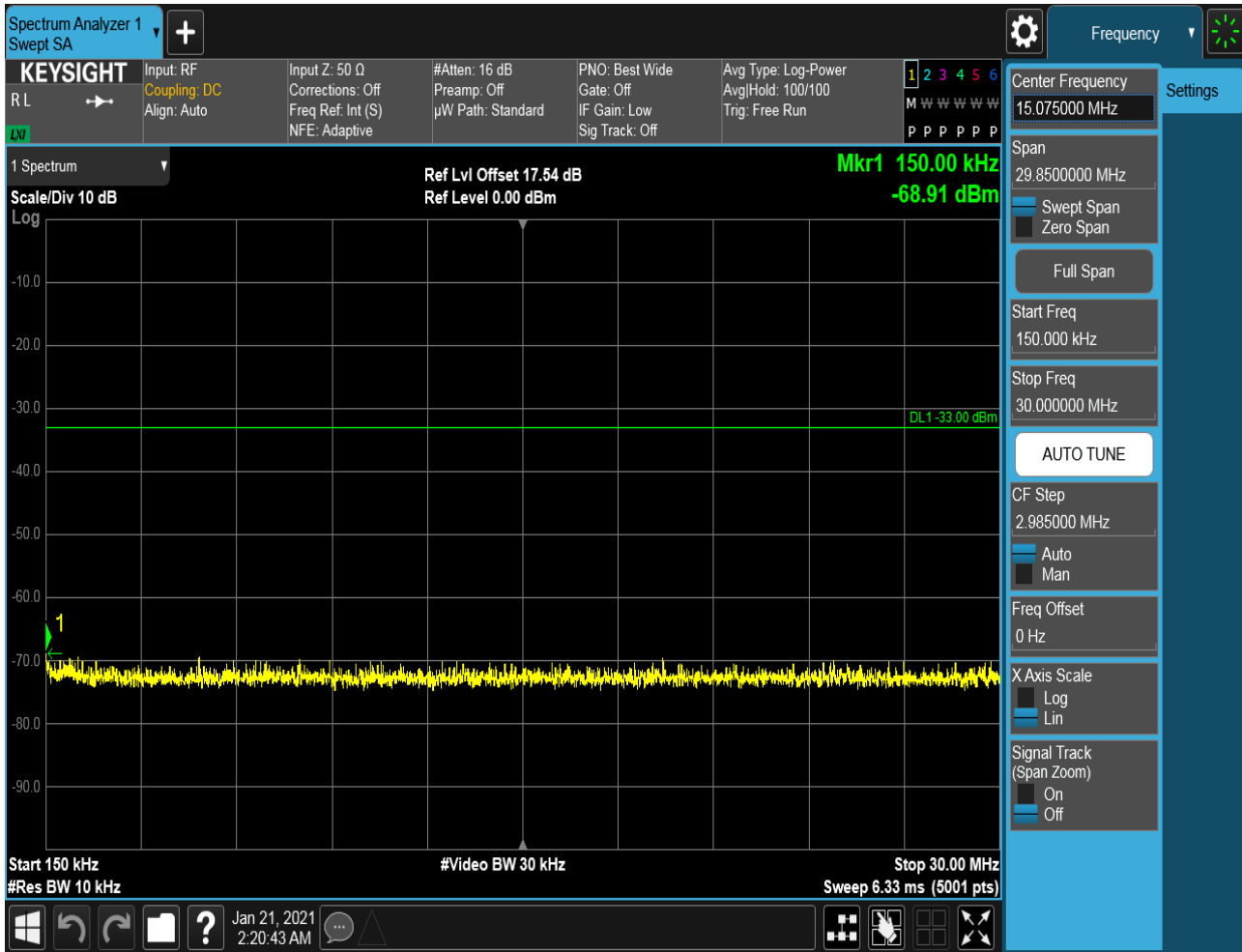


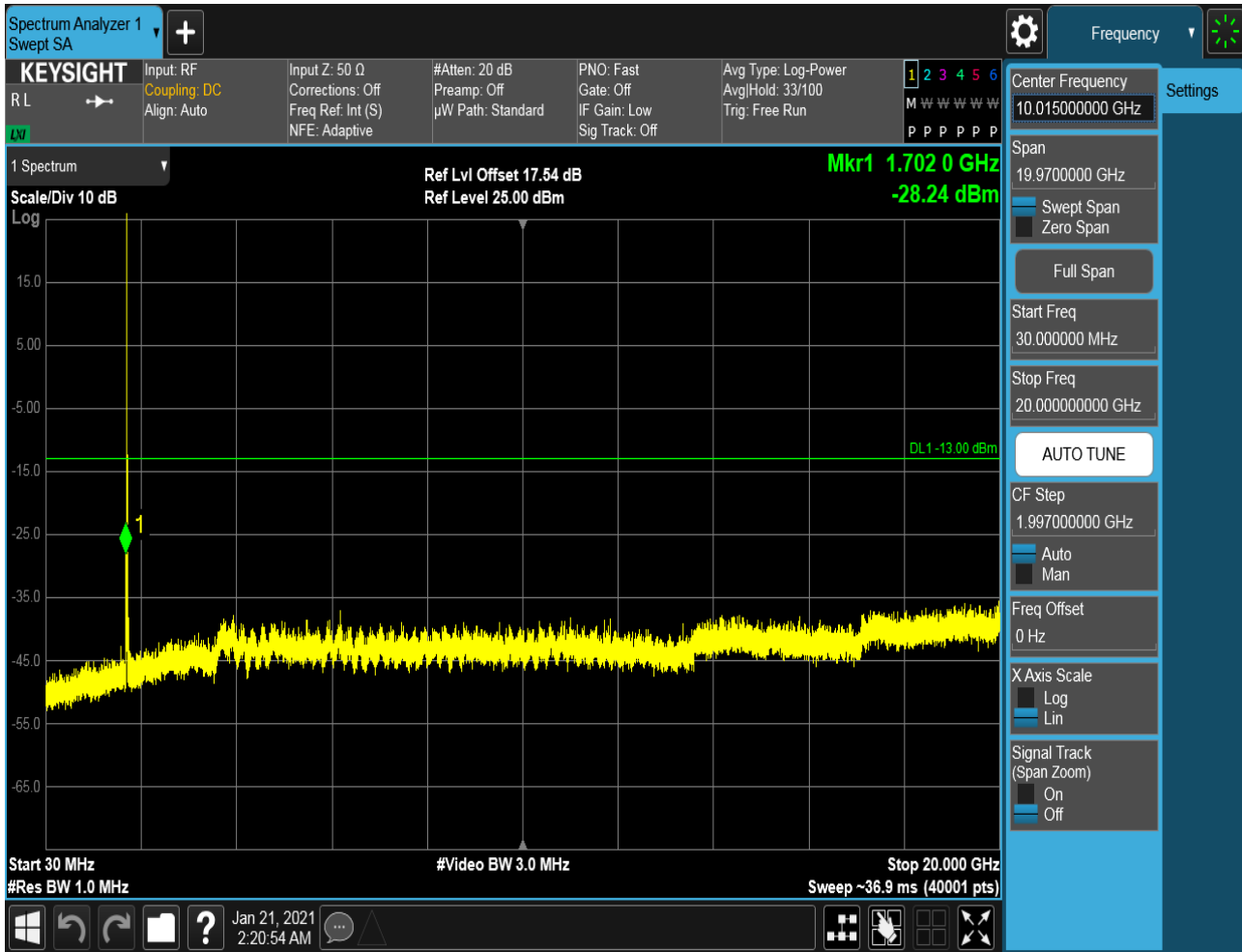
6.2.1.2.6 Test Bandwidth = 20

6.2.1.2.6.1 Test Channel = LCH

6.2.1.2.6.1.1 Test RB = RB1#0

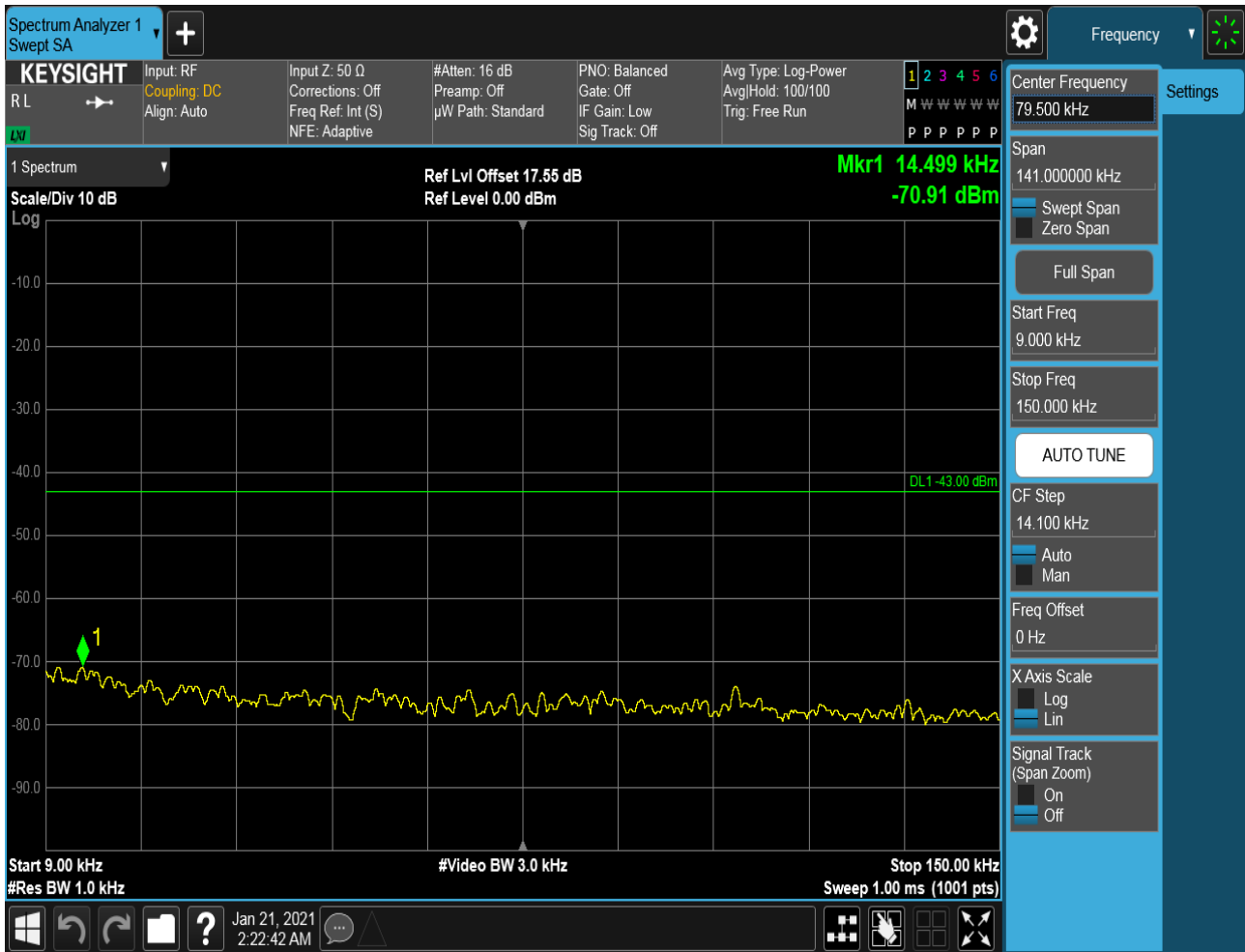


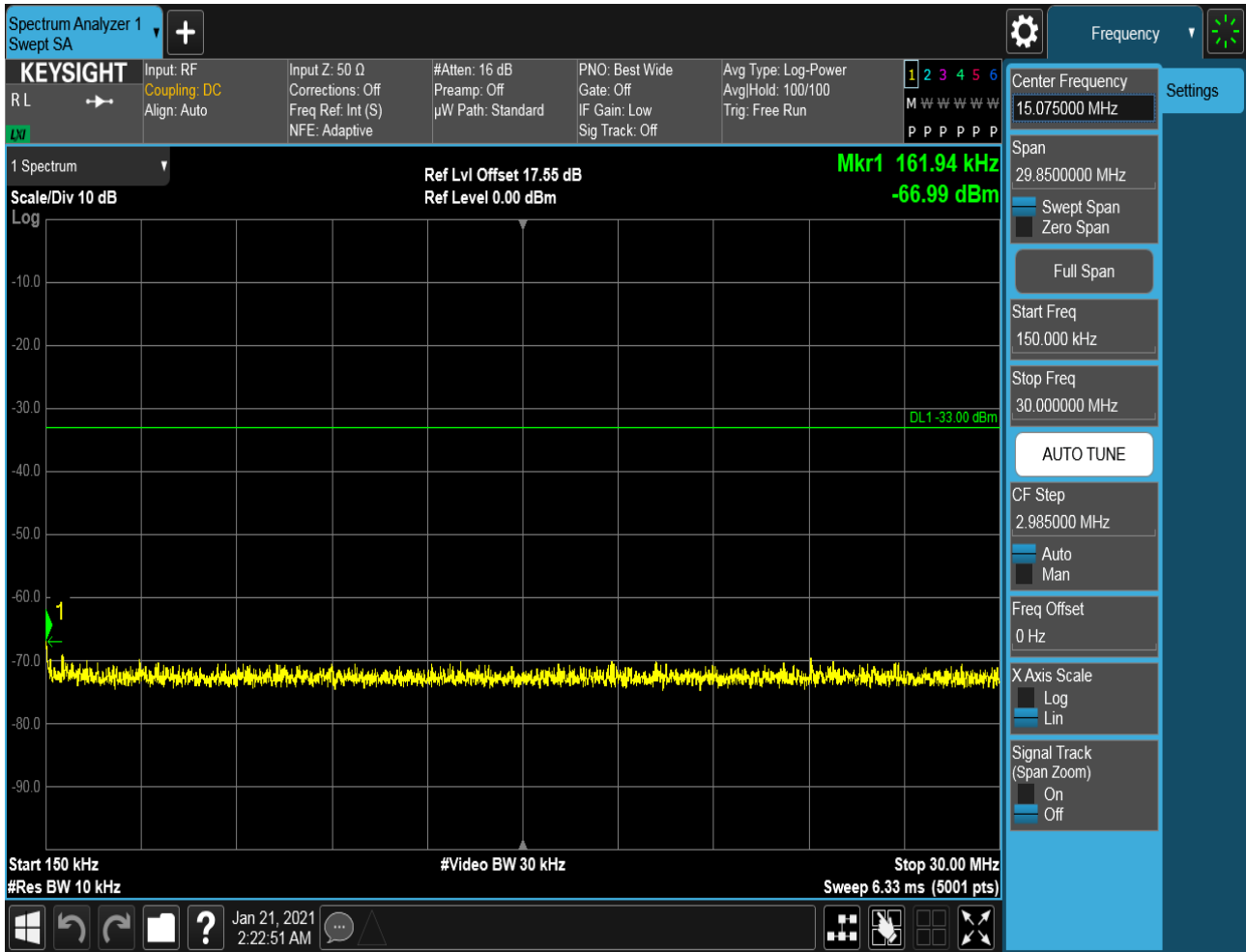


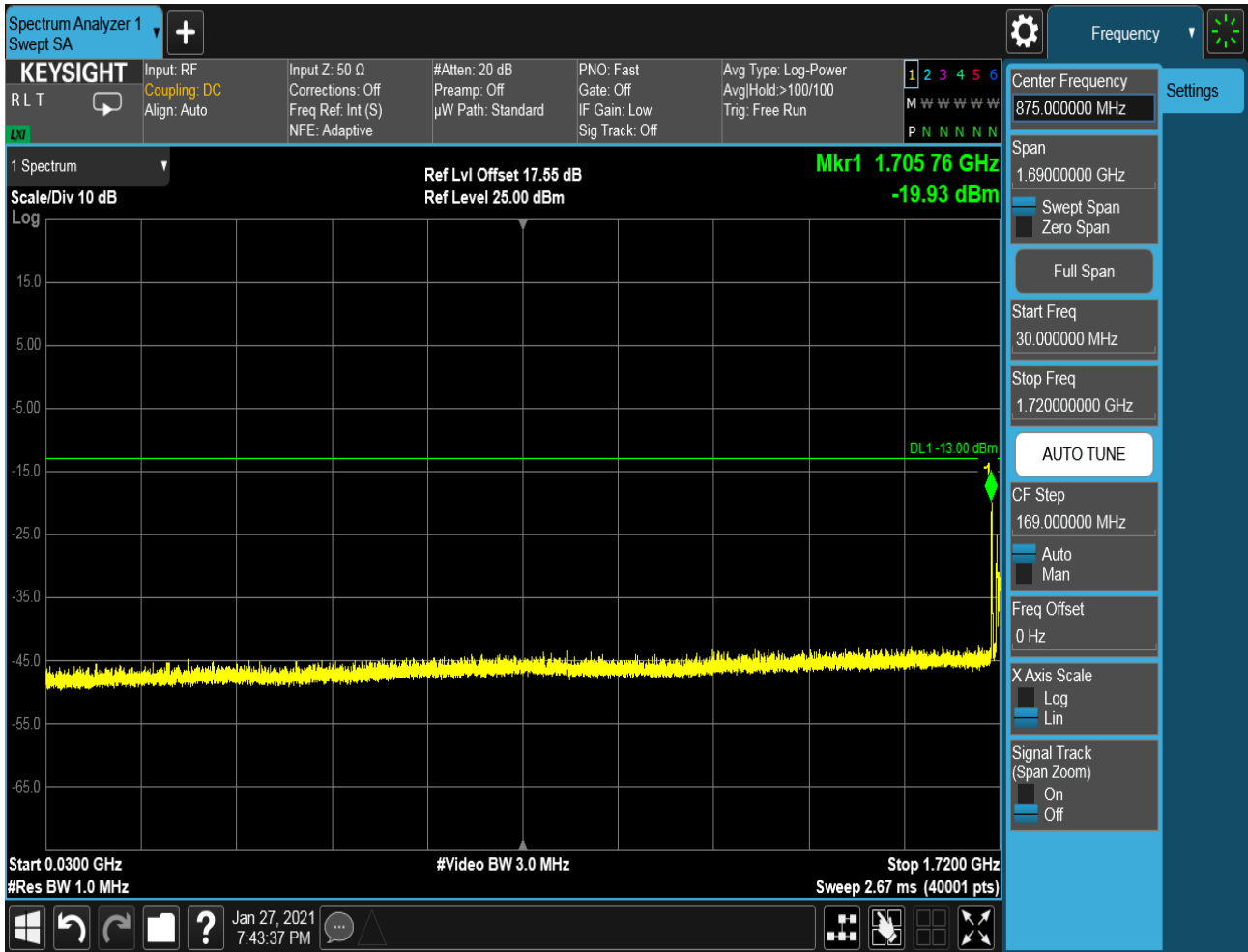


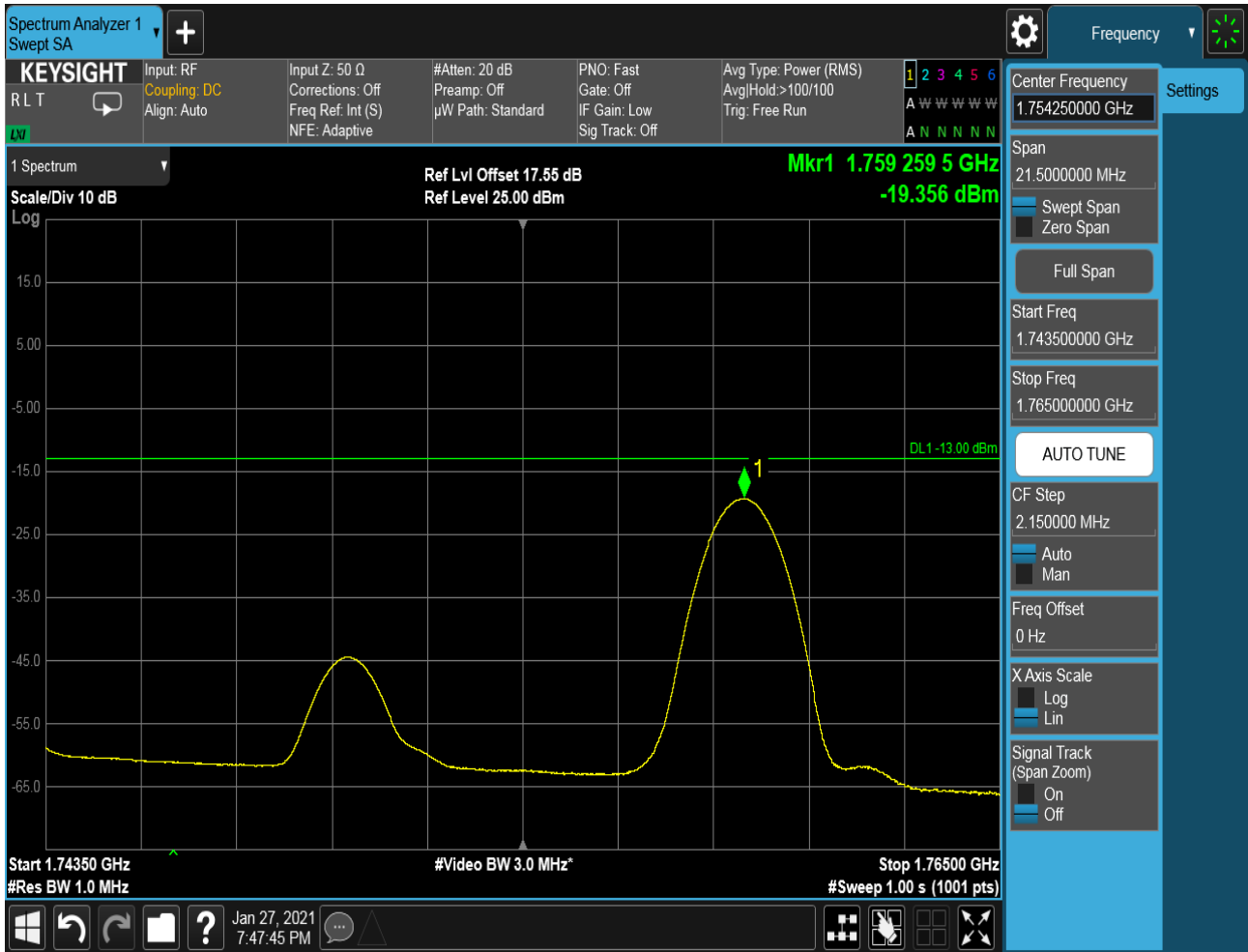
6.2.1.2.6.2 Test Channel = MCH

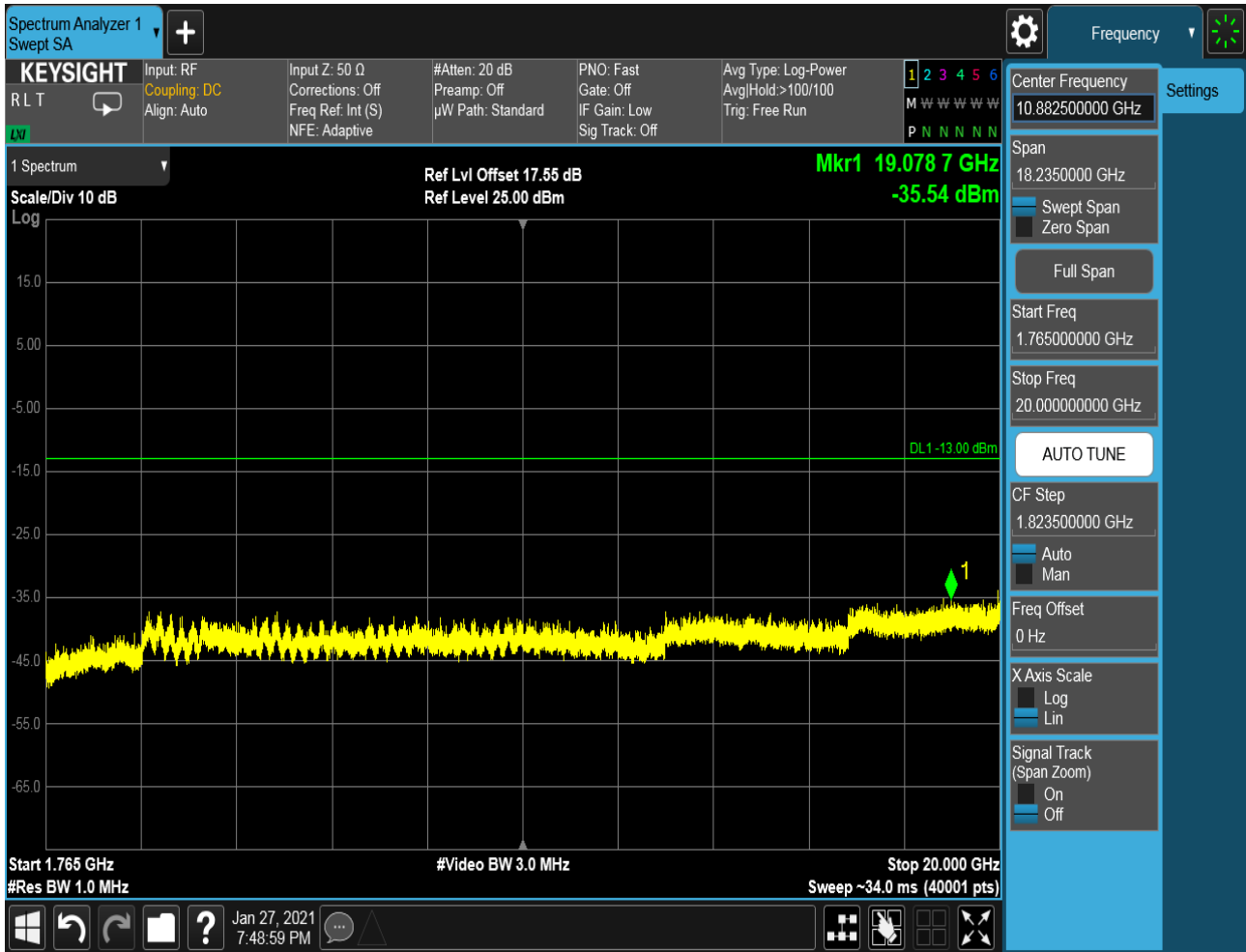
6.2.1.2.6.2.1 Test RB = RB1#0





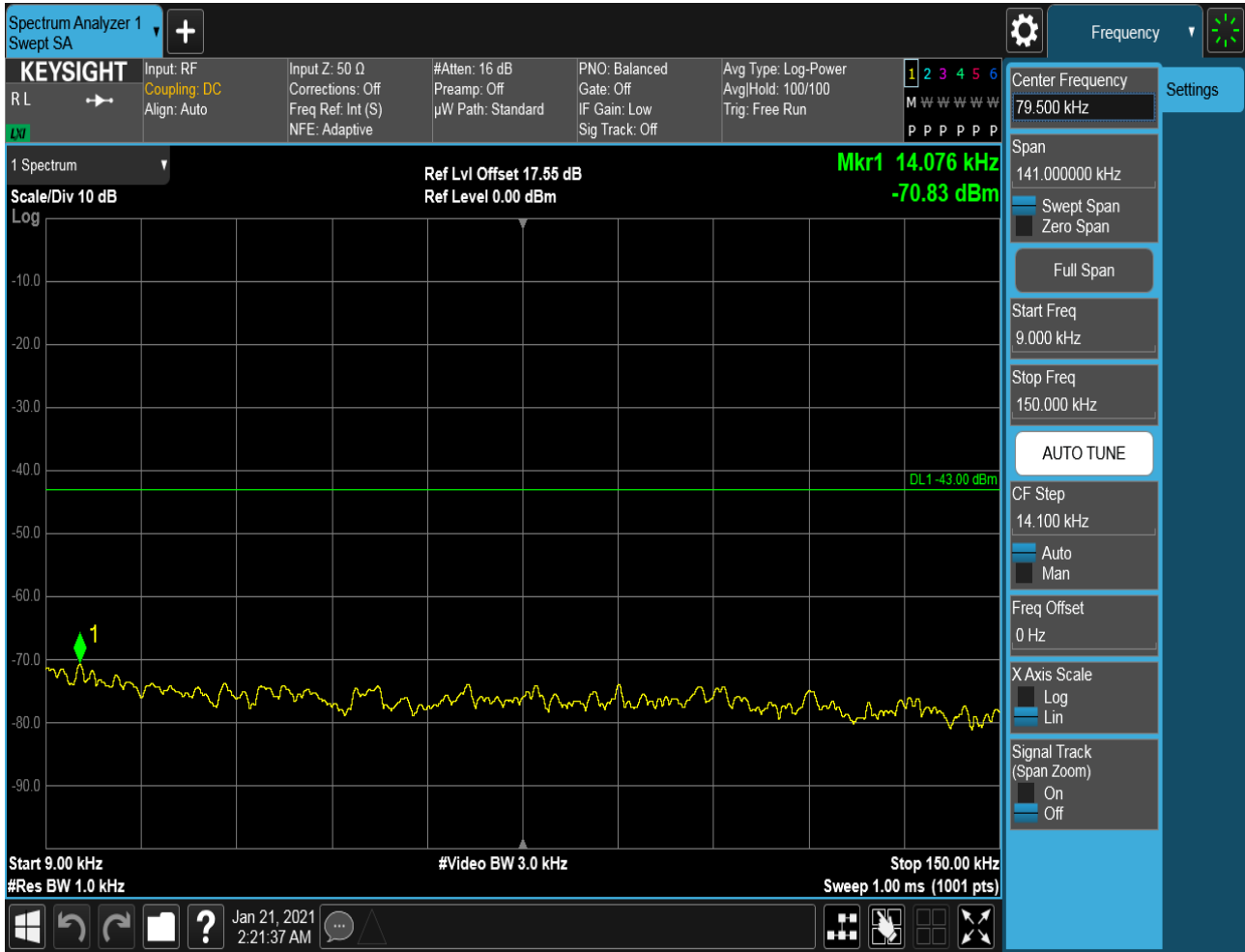


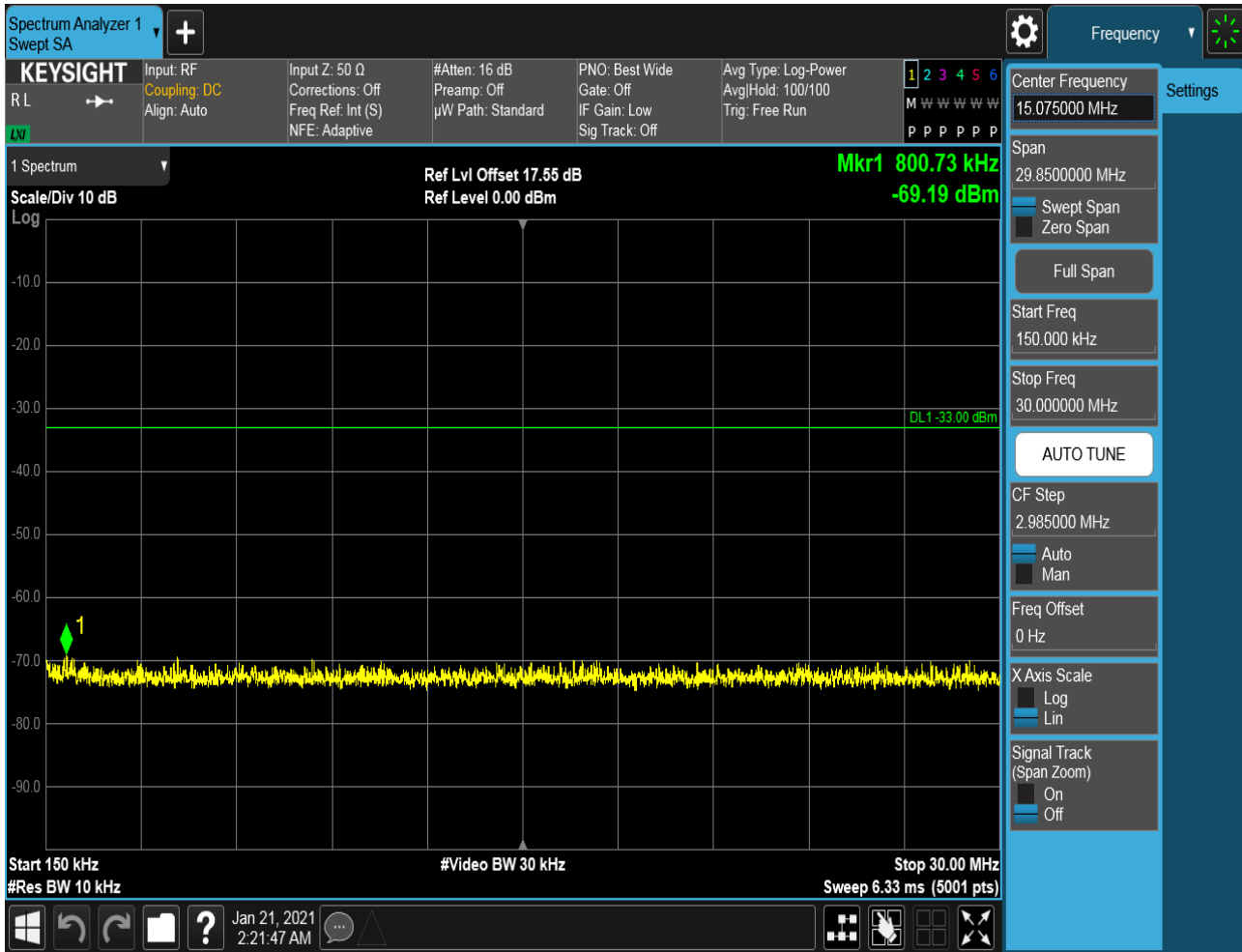


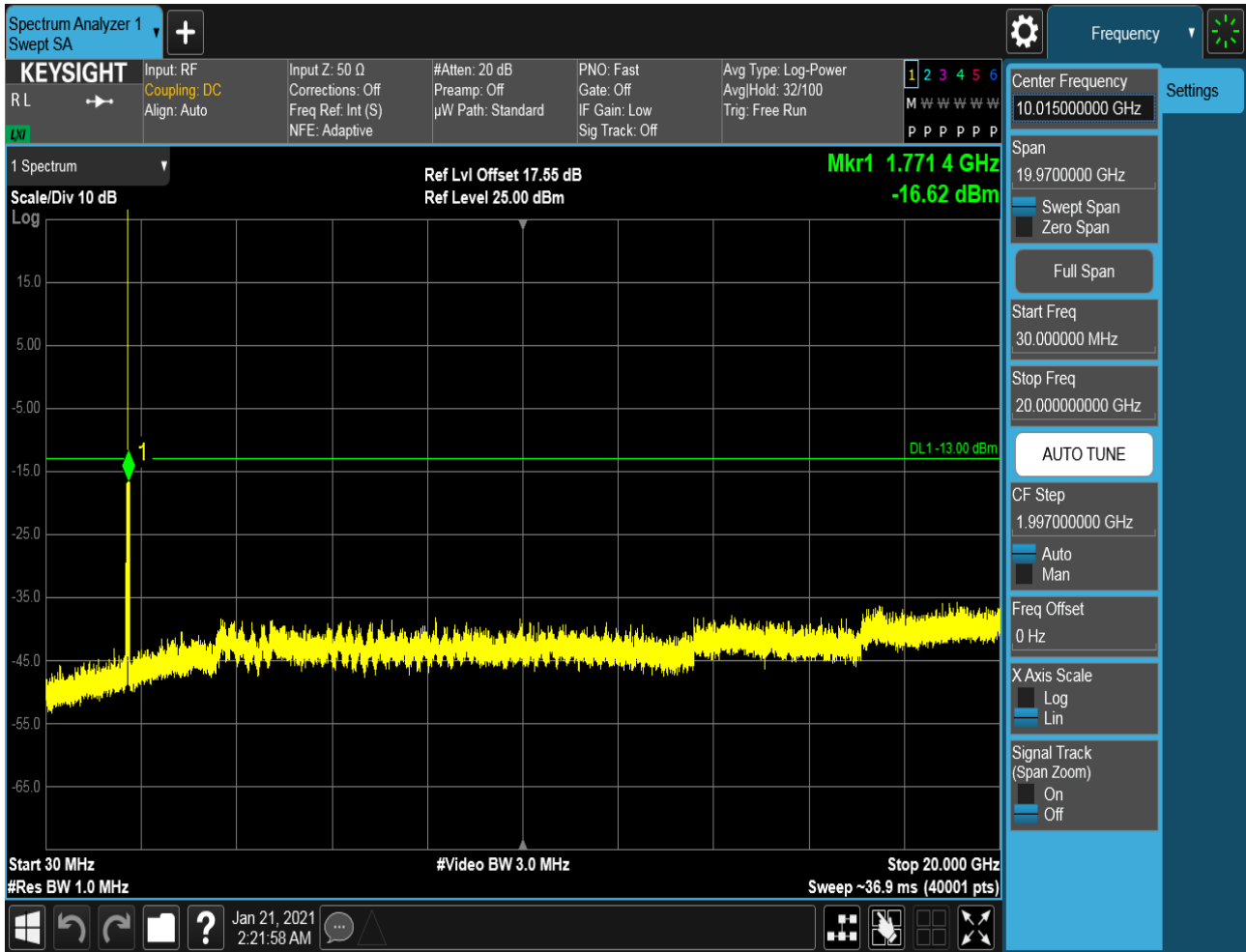


6.2.1.2.6.3 Test Channel = HCH

6.2.1.2.6.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes & antennas, 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

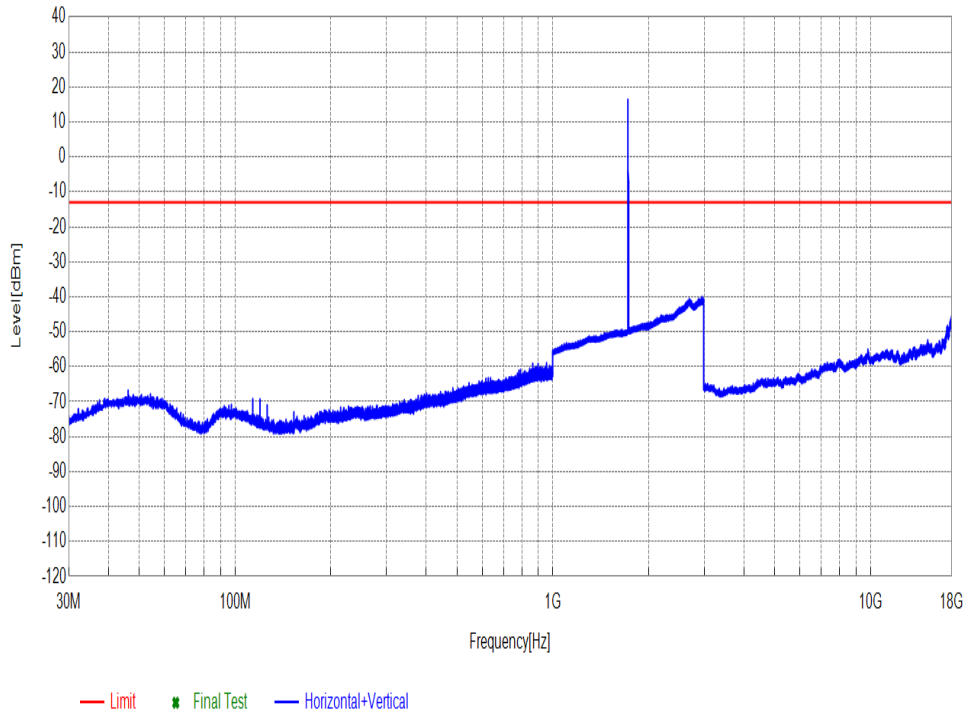
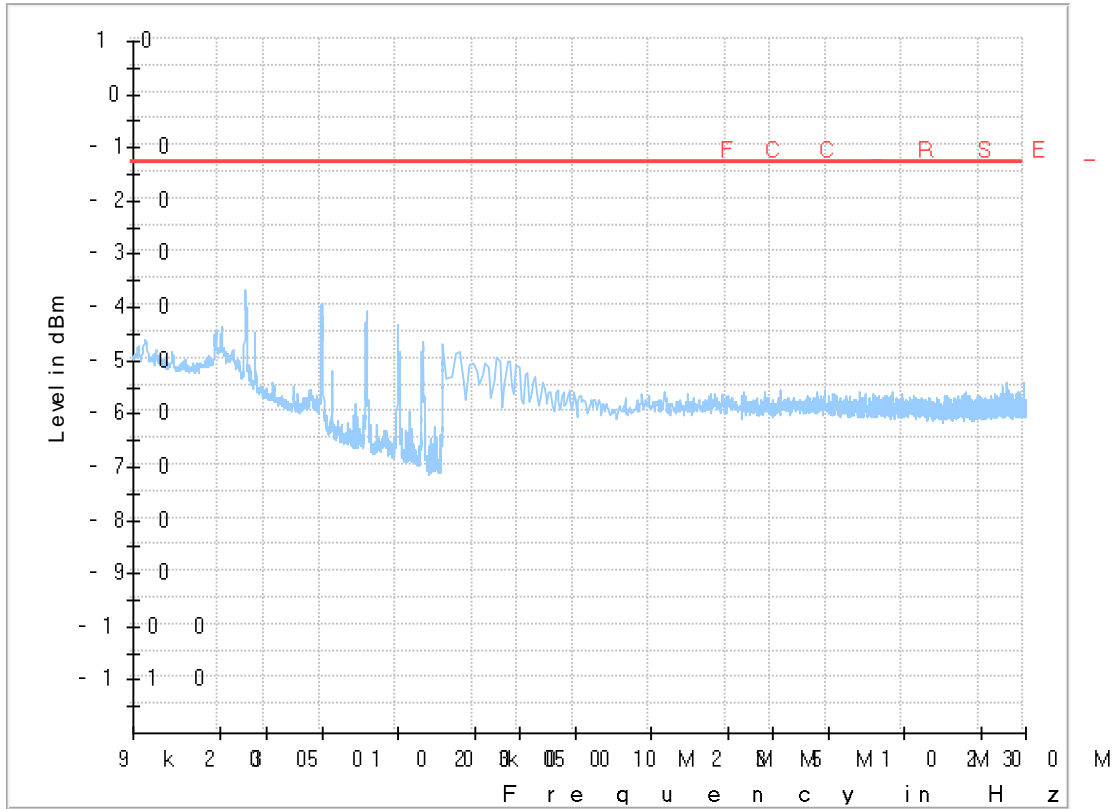
Part I - Test Plots

7.1 For LTE

7.1.1 Test Band = Band4

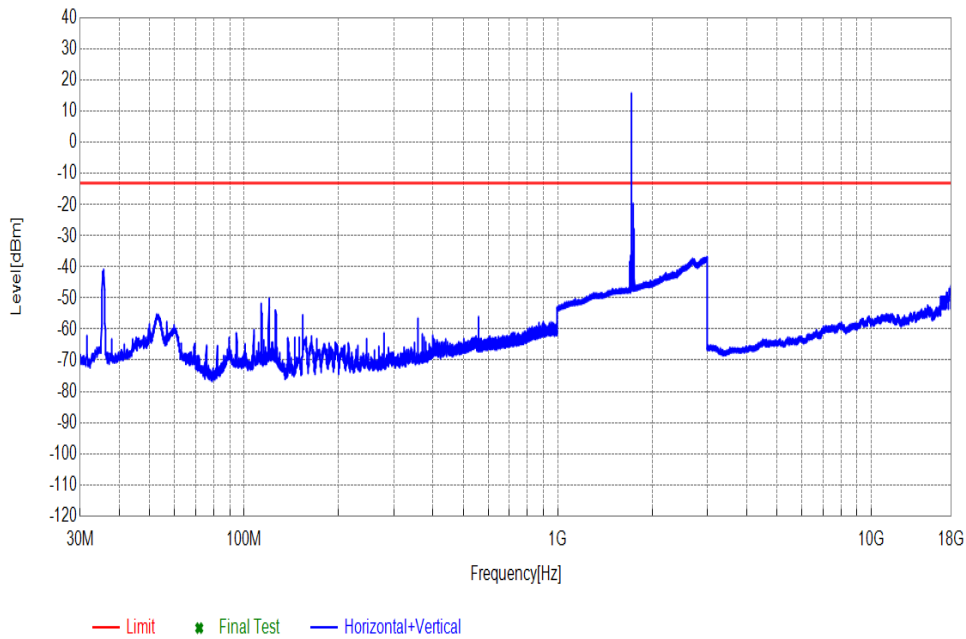
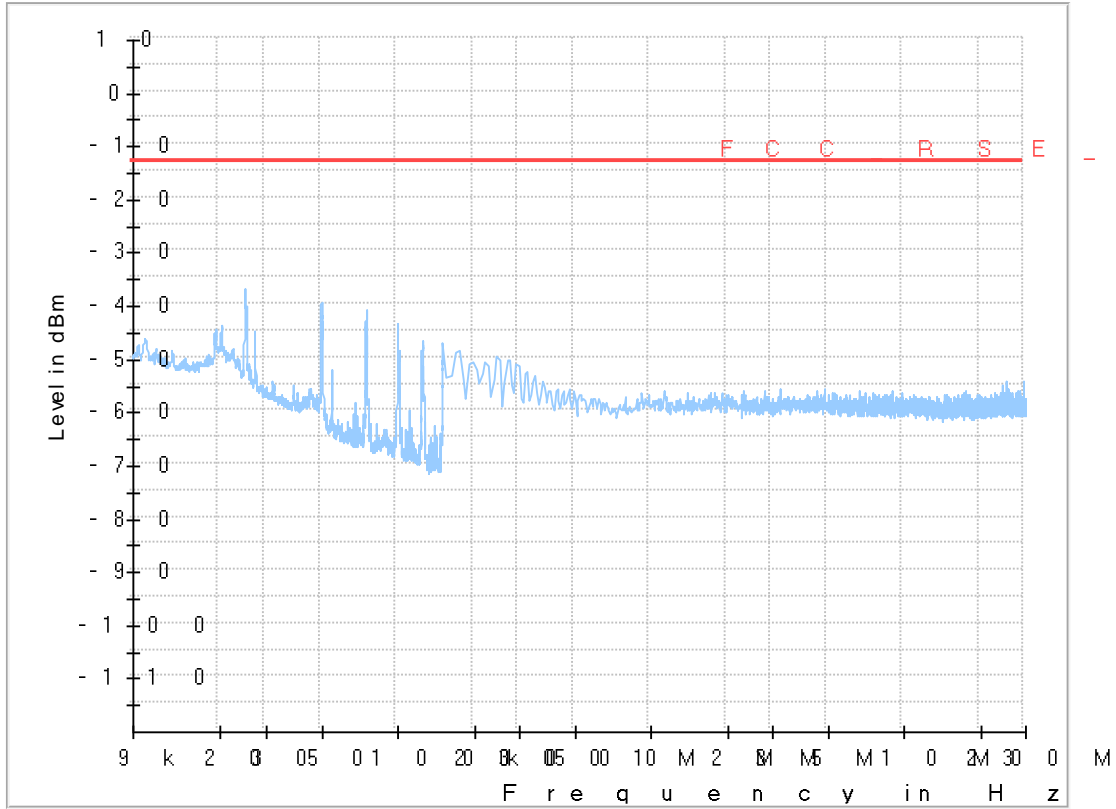
7.1.1.1 Test Bandwidth = 1.4

Worst case



7.1.1.2 Test Bandwidth = 20

Worst case



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
Band4	LTE/TM1	1.4	LCH	TN	VL	-174.67980	-0.10211	PASS
					VN	-169.08650	-0.09884	PASS
					VH	-75.13046	-0.04392	PASS
			MCH	TN	VL	265.68890	0.15336	PASS
					VN	275.85980	0.15923	PASS
					VH	-23.86093	-0.01377	PASS
			HCH	TN	VL	-2.76089	-0.00157	PASS
					VN	-193.44810	-0.11027	PASS
					VH	3.66211	0.00209	PASS
		3	LCH	TN	VL	3.99113	0.00233	PASS
					VN	1.94550	0.00114	PASS
					VH	-1.47343	-0.00086	PASS
			MCH	TN	VL	17.10892	0.00988	PASS
					VN	4.67777	0.00270	PASS
					VH	10.44273	0.00603	PASS
			HCH	TN	VL	10.14233	0.00578	PASS
					VN	7.59602	0.00433	PASS
					VH	13.87596	0.00791	PASS
		5	LCH	TN	VL	4.72069	0.00276	PASS
					VN	-4.00543	-0.00234	PASS
					VH	0.40054	0.00023	PASS
			MCH	TN	VL	0.81539	0.00047	PASS
					VN	2.07424	0.00120	PASS
					VH	1.77383	0.00102	PASS
			HCH	TN	VL	-1.83106	-0.00104	PASS
					VN	-2.05994	-0.00118	PASS
					VH	8.08239	0.00461	PASS
		10	LCH	TN	VL	1.64509	0.00096	PASS
					VN	-0.32902	-0.00019	PASS
					VH	1.97411	0.00115	PASS
MCH	TN		VL	0.70095	0.00040	PASS		
			VN	1.47343	0.00085	PASS		
			VH	1.13010	0.00065	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		15	HCH	TN	VL	-0.65804	-0.00038	PASS	
					VN	3.33309	0.00190	PASS	
					VH	-3.21865	-0.00184	PASS	
			LCH	TN	VL	2.54631	0.00148	PASS	
					VN	2.58923	0.00151	PASS	
					VH	0.40054	0.00023	PASS	
			MCH	TN	VL	1.35899	0.00078	PASS	
					VN	3.60489	0.00208	PASS	
					VH	4.06265	0.00234	PASS	
		HCH	TN	VL	4.82082	0.00276	PASS		
				VN	0.78678	0.00045	PASS		
				VH	0.98705	0.00056	PASS		
		20	LCH	TN	VL	1.63078	0.00095	PASS	
					VN	0.64373	0.00037	PASS	
					VH	0.34332	0.00020	PASS	
			MCH	TN	VL	0.42915	0.00025	PASS	
					VN	1.50204	0.00087	PASS	
					VH	3.49045	0.00201	PASS	
			HCH	TN	VL	-2.54631	-0.00146	PASS	
					VN	-1.78814	-0.00102	PASS	
					VH	-3.17573	-0.00182	PASS	
		LTE/TM2	1.4	LCH	TN	VL	-114.35510	-0.06685	PASS
						VN	-141.07700	-0.08247	PASS
						VH	-82.66926	-0.04832	PASS
				MCH	TN	VL	32.30095	0.01864	PASS
						VN	-8.61168	-0.00497	PASS
						VH	85.78777	0.04952	PASS
				HCH	TN	VL	169.10080	0.09639	PASS
						VN	-104.48460	-0.05956	PASS
						VH	-101.18010	-0.05768	PASS
			3	LCH	TN	VL	17.59529	0.01028	PASS
						VN	6.78062	0.00396	PASS
						VH	4.29153	0.00251	PASS
				MCH	TN	VL	4.76360	0.00275	PASS
						VN	8.09670	0.00467	PASS
						VH	8.78334	0.00507	PASS
			HCH	TN	VL	12.91752	0.00737	PASS	
					VN	-1.43051	-0.00082	PASS	
					VH	-5.55039	-0.00317	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		5	LCH	TN	VL	2.34604	0.00137	PASS
					VN	7.53880	0.00440	PASS
					VH	-1.78814	-0.00104	PASS
			MCH	TN	VL	1.27316	0.00073	PASS
					VN	2.70367	0.00156	PASS
					VH	1.30177	0.00075	PASS
			HCH	TN	VL	6.76632	0.00386	PASS
					VN	-2.14577	-0.00122	PASS
					VH	2.43187	0.00139	PASS
		10	LCH	TN	VL	-2.73228	-0.00159	PASS
					VN	2.73228	0.00159	PASS
					VH	0.00000	0.00000	PASS
			MCH	TN	VL	5.04971	0.00291	PASS
					VN	0.94414	0.00054	PASS
					VH	-4.79221	-0.00277	PASS
			HCH	TN	VL	3.89099	0.00222	PASS
					VN	7.59602	0.00434	PASS
					VH	8.71181	0.00498	PASS
		15	LCH	TN	VL	1.17302	0.00068	PASS
					VN	1.64509	0.00096	PASS
					VH	-0.41485	-0.00024	PASS
			MCH	TN	VL	2.61784	0.00151	PASS
					VN	5.16415	0.00298	PASS
					VH	1.28746	0.00074	PASS
			HCH	TN	VL	-0.64373	-0.00037	PASS
					VN	2.97546	0.00170	PASS
					VH	-4.06265	-0.00232	PASS
20	LCH	TN	VL	4.01974	0.00234	PASS		
			VN	2.23160	0.00130	PASS		
			VH	5.56469	0.00324	PASS		
	MCH	TN	VL	1.58787	0.00092	PASS		
			VN	2.71797	0.00157	PASS		
			VH	3.91960	0.00226	PASS		
	HCH	TN	VL	2.61784	0.00150	PASS		
			VN	0.94414	0.00054	PASS		
			VH	-2.66075	-0.00152	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
Band4	LTE/TM1	1.4	LCH	VN	-30	-229.82600	-0.13435	PASS
					-20	-44.71779	-0.02614	PASS
					-10	-134.16770	-0.07843	PASS
					0	-111.80880	-0.06536	PASS
					10	-19.44065	-0.01136	PASS
					20	-169.08650	-0.09884	PASS
					30	-45.80498	-0.02678	PASS
					40	20.67089	0.01208	PASS
					50	-180.83100	-0.10571	PASS
			MCH	VN	-30	65.61756	0.03787	PASS
					-20	10.47134	0.00604	PASS
					-10	185.60890	0.10713	PASS
					0	105.92940	0.06114	PASS
					10	-66.63322	-0.03846	PASS
					20	275.85980	0.15923	PASS
		30			-10.77175	-0.00622	PASS	
		40			-194.09180	-0.11203	PASS	
		50			126.80050	0.07319	PASS	
		HCH	VN	-30	22.45903	0.01280	PASS	
				-20	109.37690	0.06235	PASS	
				-10	281.22430	0.16031	PASS	
				0	3.57628	0.00204	PASS	
				10	8.49724	0.00484	PASS	
				20	-193.44810	-0.11027	PASS	
				30	-50.02499	-0.02852	PASS	
				40	-91.35246	-0.05207	PASS	
				50	4.72069	0.00269	PASS	
		3	LCH	VN	-30	10.17094	0.00594	PASS
					-20	6.15120	0.00359	PASS
					-10	4.87804	0.00285	PASS
0	6.83784				0.00400	PASS		
10	9.81331				0.00573	PASS		
20	1.94550				0.00114	PASS		
30	3.00407				0.00176	PASS		
40	5.57899				0.00326	PASS		
50	18.58234				0.01086	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	7.68185	0.00443	PASS
					-20	7.15256	0.00413	PASS
					-10	-1.60217	-0.00092	PASS
					0	-1.41621	-0.00082	PASS
					10	12.81738	0.00740	PASS
					20	4.67777	0.00270	PASS
					30	16.69407	0.00964	PASS
					40	12.20226	0.00704	PASS
					50	19.38343	0.01119	PASS
			HCH	VN	-30	3.06129	0.00175	PASS
					-20	9.22680	0.00526	PASS
					-10	15.92159	0.00908	PASS
					0	8.95500	0.00511	PASS
					10	6.10828	0.00348	PASS
					20	7.59602	0.00433	PASS
					30	3.41892	0.00195	PASS
					40	2.27451	0.00130	PASS
					50	-0.24319	-0.00014	PASS
		5	LCH	VN	-30	1.48773	0.00087	PASS
					-20	3.33309	0.00195	PASS
					-10	5.50747	0.00322	PASS
					0	2.74658	0.00160	PASS
					10	-0.57220	-0.00033	PASS
					20	-4.00543	-0.00234	PASS
					30	6.76632	0.00395	PASS
					40	12.68864	0.00741	PASS
					50	6.22272	0.00363	PASS
			MCH	VN	-30	0.75817	0.00044	PASS
					-20	5.89371	0.00340	PASS
					-10	-3.51906	-0.00203	PASS
					0	10.09941	0.00583	PASS
					10	1.83106	0.00106	PASS
					20	2.07424	0.00120	PASS
					30	4.13418	0.00239	PASS
					40	2.67506	0.00154	PASS
					50	1.95980	0.00113	PASS
		HCH	VN	-30	-1.07288	-0.00061	PASS	
				-20	4.40597	0.00251	PASS	
				-10	3.44753	0.00197	PASS	
				0	2.04563	0.00117	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					10	3.60489	0.00206	PASS	
					20	-2.05994	-0.00118	PASS	
					30	-1.84536	-0.00105	PASS	
					40	-5.37872	-0.00307	PASS	
					50	0.34332	0.00020	PASS	
		10	LCH	VN	-30	-0.57220	-0.00033	PASS	
					-20	-3.66211	-0.00214	PASS	
					-10	-0.70095	-0.00041	PASS	
					0	-4.17709	-0.00244	PASS	
					10	-8.68320	-0.00506	PASS	
					20	-0.32902	-0.00019	PASS	
					30	-2.40326	-0.00140	PASS	
					40	-8.51154	-0.00496	PASS	
					50	-1.93119	-0.00113	PASS	
					VN	-30	0.61512	0.00036	PASS
						-20	-1.40190	-0.00081	PASS
						-10	3.46184	0.00200	PASS
						0	1.30177	0.00075	PASS
						10	1.24455	0.00072	PASS
					VN	20	1.47343	0.00085	PASS
		30	3.66211	0.00211		PASS			
		40	7.85351	0.00453		PASS			
		50	5.45025	0.00315		PASS			
		VN	-30	2.23160		0.00128	PASS		
			-20	5.04971	0.00289	PASS			
			-10	7.10964	0.00406	PASS			
			0	1.43051	0.00082	PASS			
			10	10.82897	0.00619	PASS			
			20	3.33309	0.00190	PASS			
			30	2.34604	0.00134	PASS			
			40	4.63486	0.00265	PASS			
			50	0.95844	0.00055	PASS			
15	LCH	VN	-30	2.28882	0.00133	PASS			
			-20	0.82970	0.00048	PASS			
			-10	-1.85966	-0.00108	PASS			
			0	0.72956	0.00042	PASS			
			10	5.16415	0.00301	PASS			
			20	2.58923	0.00151	PASS			
			30	3.79086	0.00221	PASS			
			40	-0.01431	-0.00001	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	50	2.93255	0.00171	PASS
					-30	-0.85831	-0.00050	PASS
					-20	3.69072	0.00213	PASS
					-10	5.23567	0.00302	PASS
					0	0.14305	0.00008	PASS
					10	0.40054	0.00023	PASS
					20	3.60489	0.00208	PASS
					30	3.56197	0.00206	PASS
					40	0.05722	0.00003	PASS
			50	-1.08719	-0.00063	PASS		
			HCH	VN	-30	0.68665	0.00039	PASS
					-20	0.54359	0.00031	PASS
					-10	4.96387	0.00284	PASS
					0	1.38760	0.00079	PASS
					10	3.16143	0.00181	PASS
					20	0.78678	0.00045	PASS
					30	2.60353	0.00149	PASS
					40	-2.41756	-0.00138	PASS
		50			5.16415	0.00296	PASS	
		20	LCH	VN	-30	4.49181	0.00261	PASS
					-20	6.15120	0.00358	PASS
					-10	3.16143	0.00184	PASS
					0	0.98705	0.00057	PASS
					10	0.98705	0.00057	PASS
					20	0.64373	0.00037	PASS
					30	2.04563	0.00119	PASS
					40	-3.29018	-0.00191	PASS
					50	5.39303	0.00314	PASS
			MCH	VN	-30	3.03268	0.00175	PASS
					-20	2.37465	0.00137	PASS
					-10	3.01838	0.00174	PASS
					0	2.51770	0.00145	PASS
					10	1.07288	0.00062	PASS
					20	1.50204	0.00087	PASS
					30	0.81539	0.00047	PASS
					40	0.48637	0.00028	PASS
					50	-1.58787	-0.00092	PASS
		HCH	VN	-30	-7.08103	-0.00406	PASS	
				-20	4.10557	0.00235	PASS	
				-10	-0.28610	-0.00016	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	-2.14577	-0.00123	PASS		
					10	2.36034	0.00135	PASS		
					20	-1.78814	-0.00102	PASS		
					30	-3.90530	-0.00224	PASS		
					40	1.48773	0.00085	PASS		
					50	0.47207	0.00027	PASS		
	LTE/TM2	1.4	LCH	VN	-30	-129.96200	-0.07597	PASS		
					-20	-75.41656	-0.04409	PASS		
					-10	-148.01500	-0.08652	PASS		
					0	-102.15280	-0.05971	PASS		
					10	-127.87340	-0.07475	PASS		
					20	-141.07700	-0.08247	PASS		
					30	-46.33427	-0.02708	PASS		
					40	-105.70050	-0.06179	PASS		
					50	-97.68963	-0.05711	PASS		
					MCH	VN	-30	11.54423	0.00666	PASS
							-20	113.23930	0.06536	PASS
							-10	83.92811	0.04844	PASS
							0	102.49610	0.05916	PASS
							10	115.54240	0.06669	PASS
							20	-8.61168	-0.00497	PASS
					HCH	VN	-30	-17.16614	-0.00979	PASS
							-20	-109.93480	-0.06267	PASS
							-10	-187.85480	-0.10708	PASS
			0	91.29524			0.05204	PASS		
			10	-36.95011			-0.02106	PASS		
			20	-104.48460			-0.05956	PASS		
			3	LCH	VN	-30	15.77854	0.00922	PASS	
						-20	-1.51634	-0.00089	PASS	
						-10	-0.70095	-0.00041	PASS	
						0	7.15256	0.00418	PASS	
						10	1.10149	0.00064	PASS	
						20	6.78062	0.00396	PASS	
						30	14.86301	0.00868	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	40	4.97818	0.00291	PASS
					50	2.50339	0.00146	PASS
					-30	4.93527	0.00285	PASS
					-20	0.41485	0.00024	PASS
					-10	5.36442	0.00310	PASS
					0	3.71933	0.00215	PASS
					10	0.62943	0.00036	PASS
					20	8.09670	0.00467	PASS
					30	-4.46320	-0.00258	PASS
					40	10.68592	0.00617	PASS
			50	-0.90122	-0.00052	PASS		
			HCH	VN	-30	4.83513	0.00276	PASS
					-20	2.37465	0.00135	PASS
					-10	-3.84808	-0.00219	PASS
					0	-2.33173	-0.00133	PASS
					10	1.84536	0.00105	PASS
					20	-1.43051	-0.00082	PASS
					30	5.46455	0.00312	PASS
					40	1.85966	0.00106	PASS
			50	4.57764	0.00261	PASS		
		5	LCH	VN	-30	2.80380	0.00164	PASS
					-20	4.99249	0.00292	PASS
					-10	6.56605	0.00383	PASS
					0	6.53744	0.00382	PASS
					10	8.58307	0.00501	PASS
					20	7.53880	0.00440	PASS
					30	2.71797	0.00159	PASS
					40	1.83106	0.00107	PASS
			50	8.58307	0.00501	PASS		
			MCH	VN	-30	3.59058	0.00207	PASS
					-20	4.26292	0.00246	PASS
					-10	2.26021	0.00130	PASS
					0	-4.66347	-0.00269	PASS
					10	-3.24726	-0.00187	PASS
					20	2.70367	0.00156	PASS
					30	-9.06944	-0.00523	PASS
40	-2.74658	-0.00159			PASS			
50	3.89099	0.00225	PASS					
HCH	VN	-30	-0.67234	-0.00038	PASS			
		-20	-2.77519	-0.00158	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					-10	-2.46048	-0.00140	PASS			
					0	4.10557	0.00234	PASS			
					10	1.90258	0.00109	PASS			
					20	-2.14577	-0.00122	PASS			
					30	4.27723	0.00244	PASS			
					40	0.04292	0.00002	PASS			
					50	7.29561	0.00416	PASS			
		10		LCH	VN	-30	-3.31879	-0.00194	PASS		
						-20	-6.23703	-0.00364	PASS		
						-10	-0.75817	-0.00044	PASS		
						0	-1.43051	-0.00083	PASS		
						10	-4.52042	-0.00264	PASS		
						20	2.73228	0.00159	PASS		
						30	-4.36306	-0.00254	PASS		
						40	-7.42436	-0.00433	PASS		
						50	-2.91824	-0.00170	PASS		
						MCH	VN	-30	2.73228	0.00158	PASS
								-20	-1.14441	-0.00066	PASS
								-10	-2.28882	-0.00132	PASS
								0	2.43187	0.00140	PASS
								10	-0.77248	-0.00045	PASS
				20	0.94414			0.00054	PASS		
				30	0.58651			0.00034	PASS		
				HCH	VN	-30	-0.52929	-0.00030	PASS		
						-20	1.98841	0.00114	PASS		
						-10	2.40326	0.00137	PASS		
						0	5.52177	0.00316	PASS		
						10	-0.30041	-0.00017	PASS		
		20	7.59602			0.00434	PASS				
		30	1.45912			0.00083	PASS				
		15	LCH	VN	-30	0.88692	0.00052	PASS			
					-20	3.11851	0.00182	PASS			
					-10	2.61784	0.00152	PASS			
					0	-0.74387	-0.00043	PASS			
					10	2.71797	0.00158	PASS			
					20	1.64509	0.00096	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	1.81675	0.00106	PASS
					40	0.47207	0.00027	PASS
					50	-0.01431	-0.00001	PASS
			MCH	VN	-30	2.11716	0.00122	PASS
					-20	3.51906	0.00203	PASS
					-10	3.79086	0.00219	PASS
					0	0.12875	0.00007	PASS
					10	-0.60081	-0.00035	PASS
					20	5.16415	0.00298	PASS
					30	3.11851	0.00180	PASS
					40	5.23567	0.00302	PASS
					50	4.20570	0.00243	PASS
			HCH	VN	-30	-4.24862	-0.00243	PASS
					-20	2.47478	0.00142	PASS
					-10	-0.14305	-0.00008	PASS
		0			1.07288	0.00061	PASS	
		10			-3.30448	-0.00189	PASS	
		20			2.97546	0.00170	PASS	
		30			4.36306	0.00250	PASS	
		40			0.52929	0.00030	PASS	
		20	LCH	VN	-30	1.95980	0.00114	PASS
					-20	5.70774	0.00332	PASS
					-10	1.95980	0.00114	PASS
					0	5.10693	0.00297	PASS
					10	0.98705	0.00057	PASS
					20	2.23160	0.00130	PASS
					30	1.98841	0.00116	PASS
					40	1.18732	0.00069	PASS
					50	2.05994	0.00120	PASS
			MCH	VN	-30	-1.25885	-0.00073	PASS
					-20	4.09126	0.00236	PASS
					-10	3.30448	0.00191	PASS
					0	6.39439	0.00369	PASS
10	1.45912				0.00084	PASS		
20	2.71797				0.00157	PASS		
30	3.66211				0.00211	PASS		
40	3.01838				0.00174	PASS		
50	2.84672				0.00164	PASS		
HCH	VN	-30	-4.89235	-0.00280	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-1.13010	-0.00065	PASS
					-10	-0.75817	-0.00043	PASS
					0	2.07424	0.00119	PASS
					10	-1.58787	-0.00091	PASS
					20	0.94414	0.00054	PASS
					30	-1.98841	-0.00114	PASS
					40	-2.28882	-0.00131	PASS
					50	1.02997	0.00059	PASS

END