



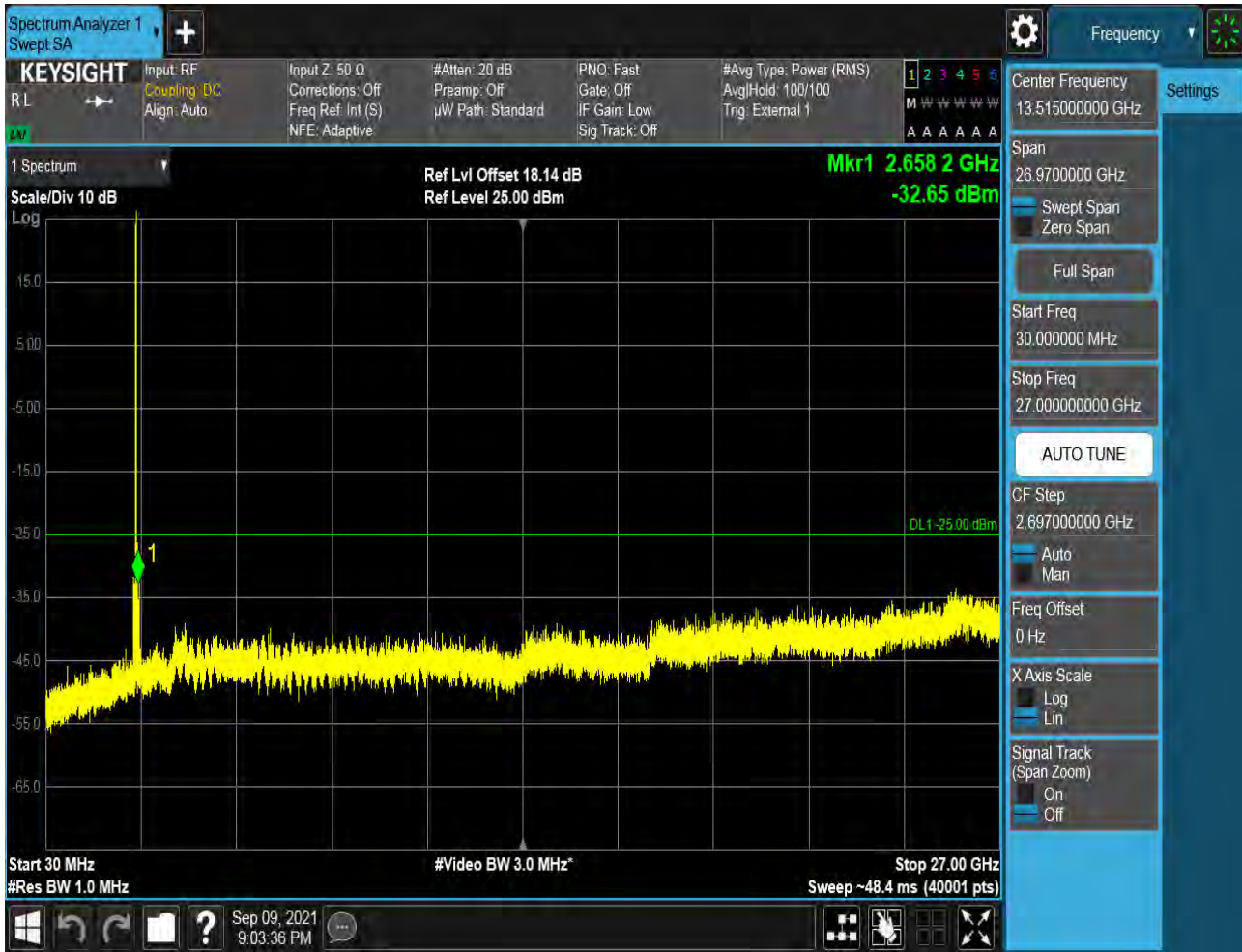
6.2.1.1.4 Test Bandwidth = 20

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0



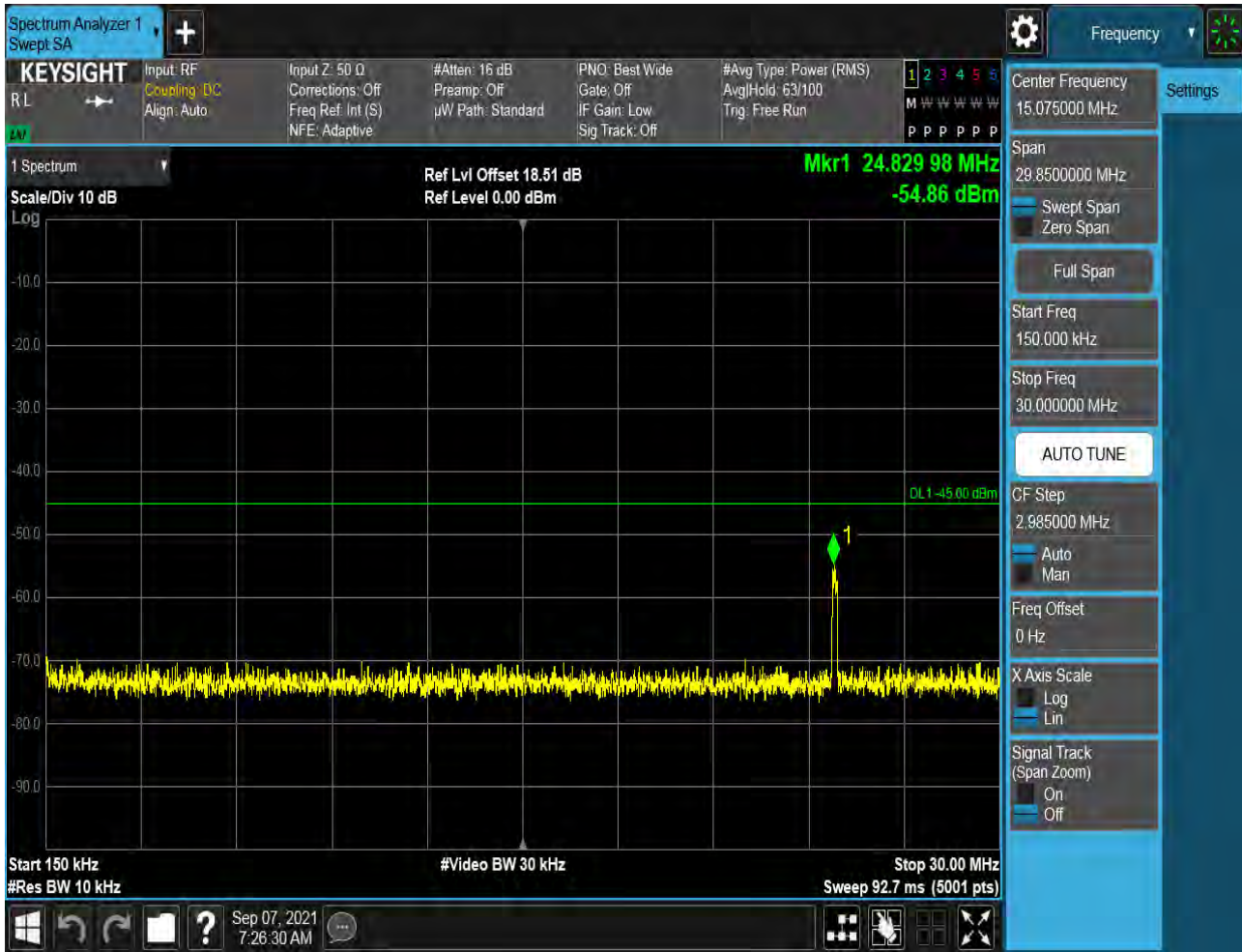


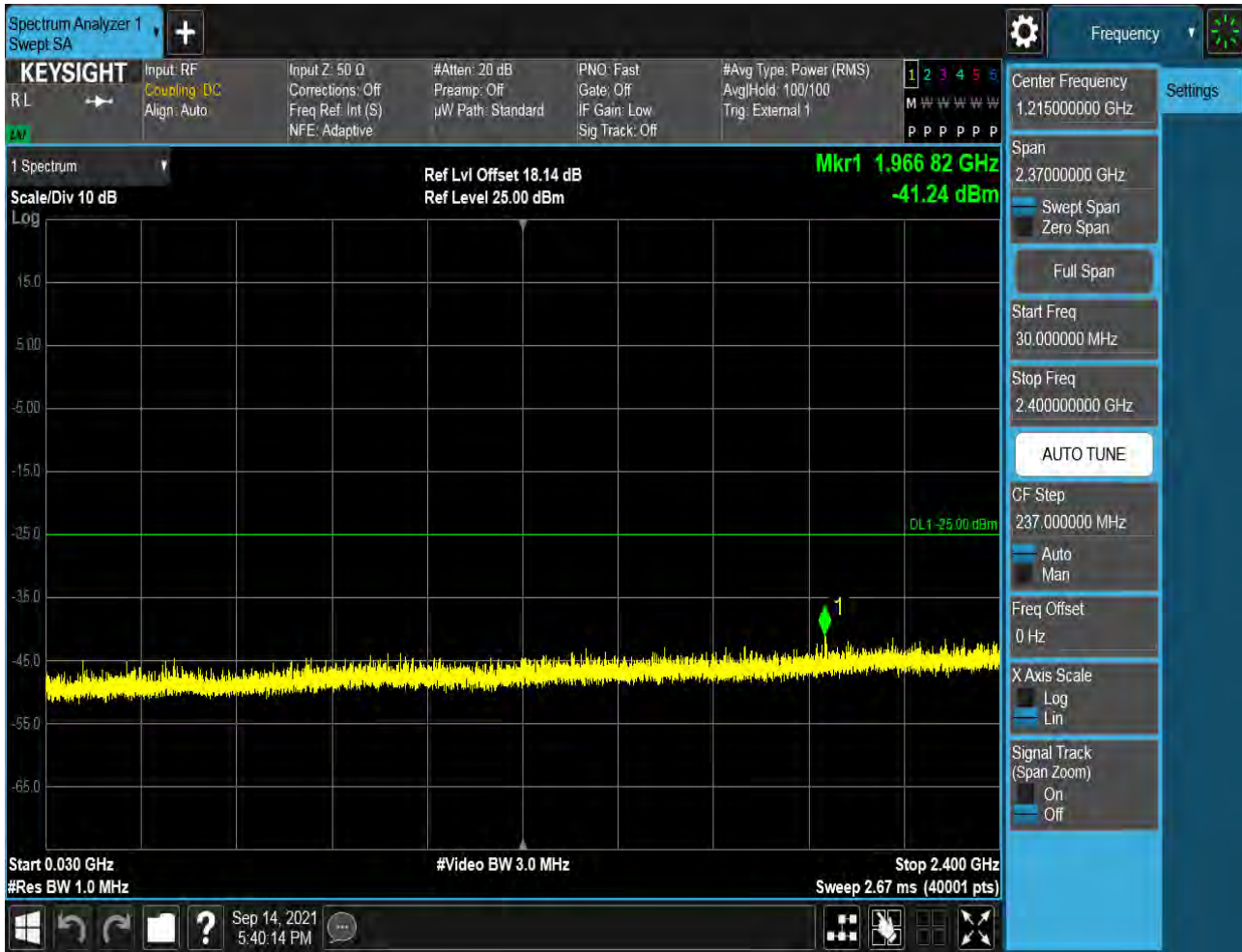


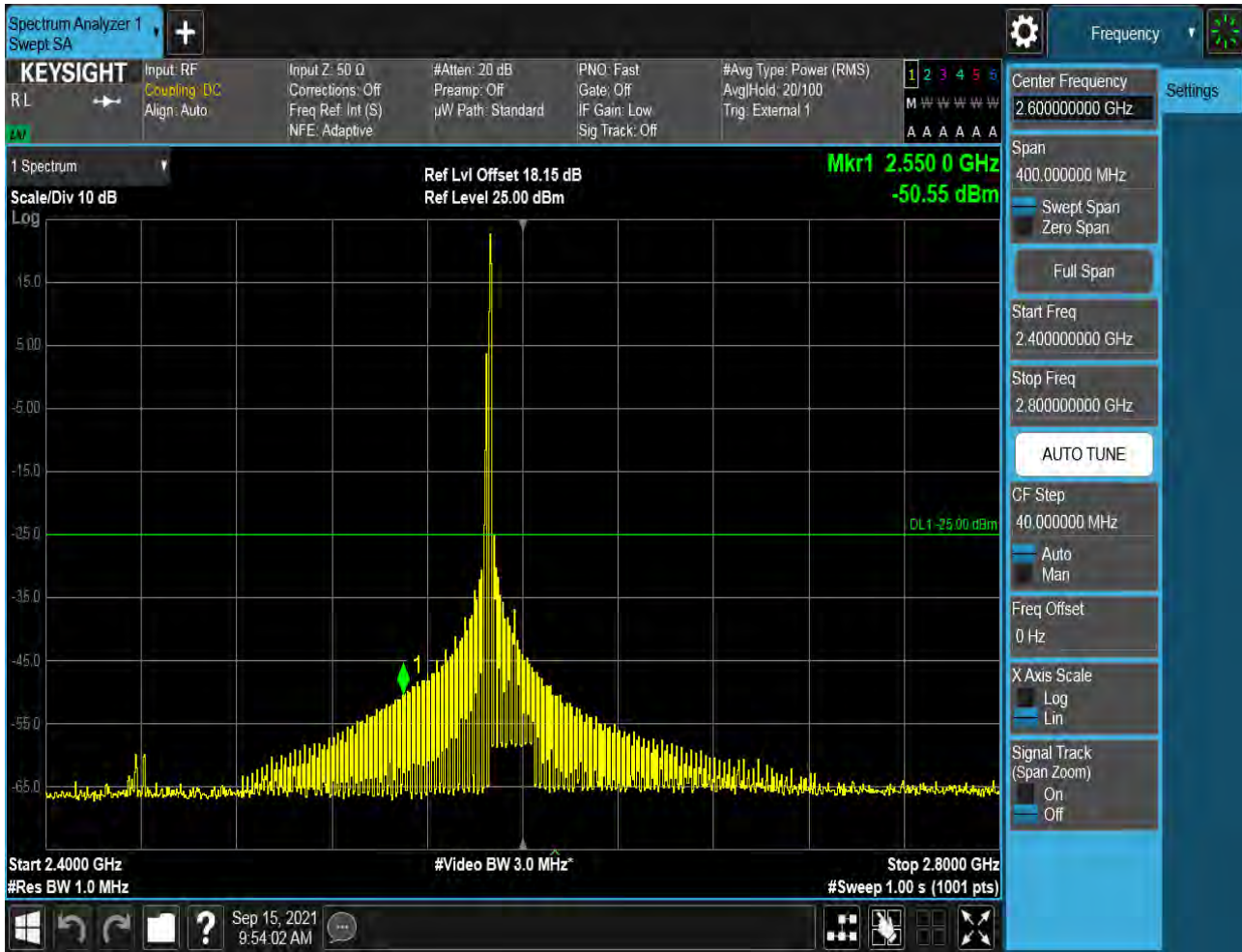
6.2.1.1.4.2 Test Channel = MCH

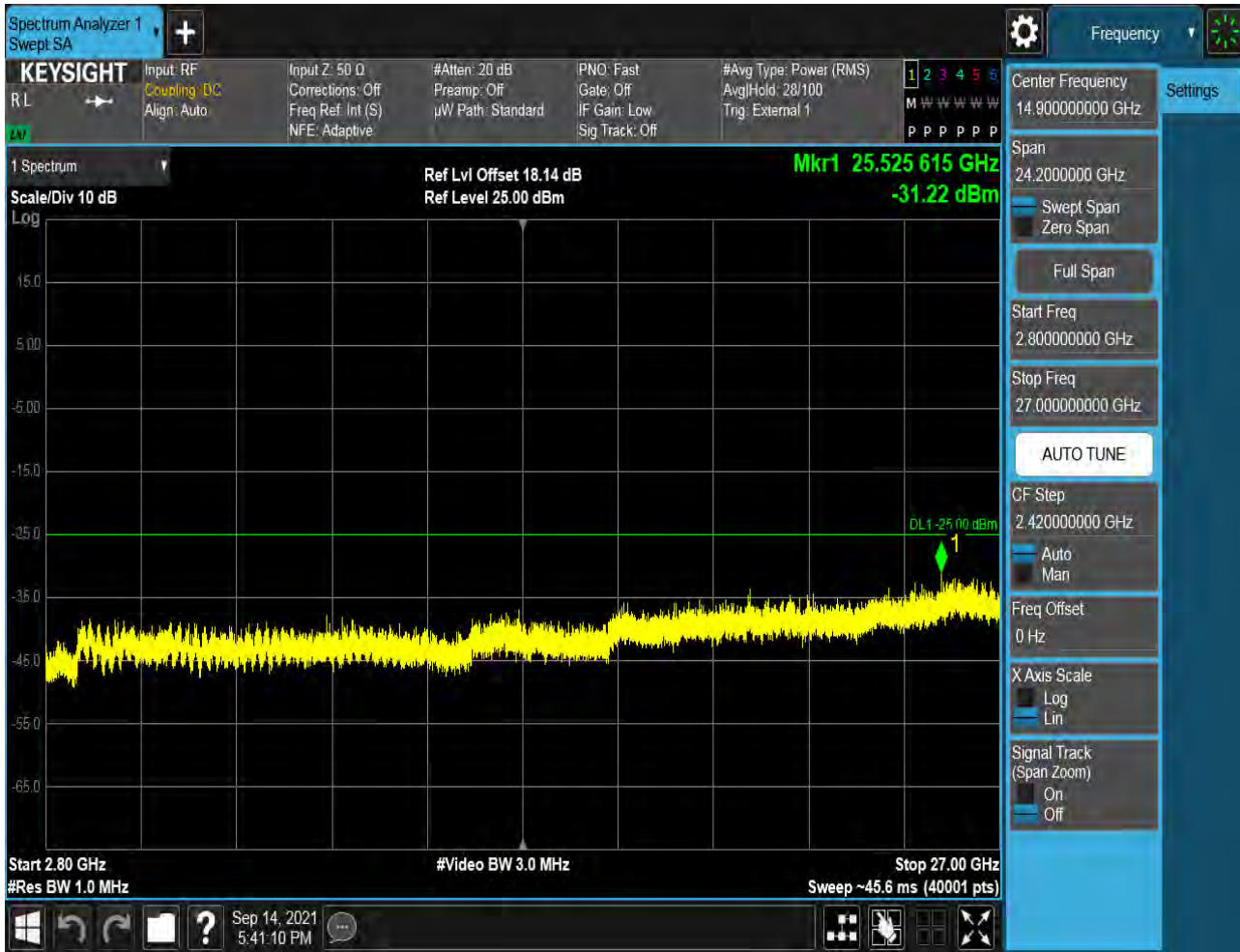
6.2.1.1.4.2.1 Test RB = RB1#0





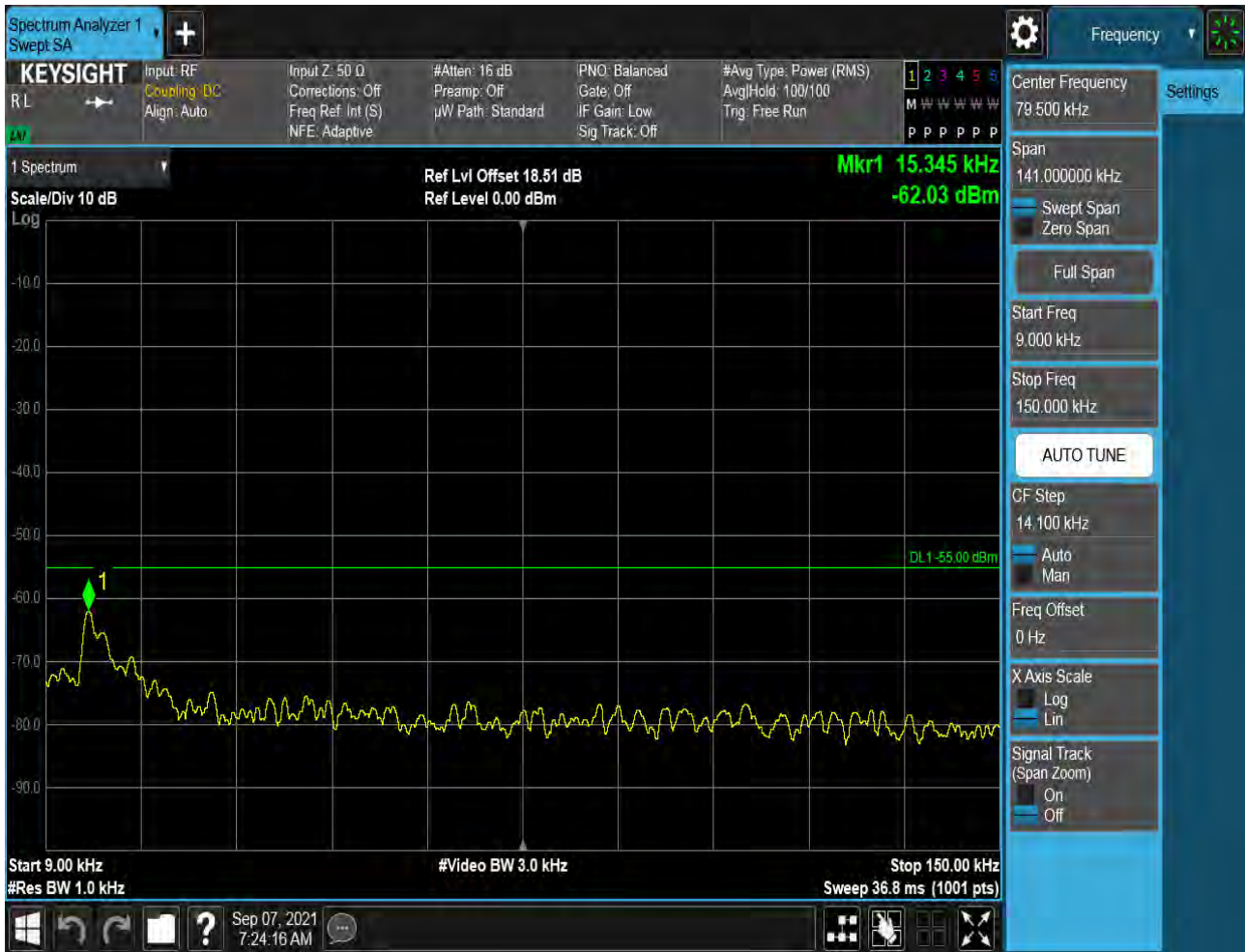


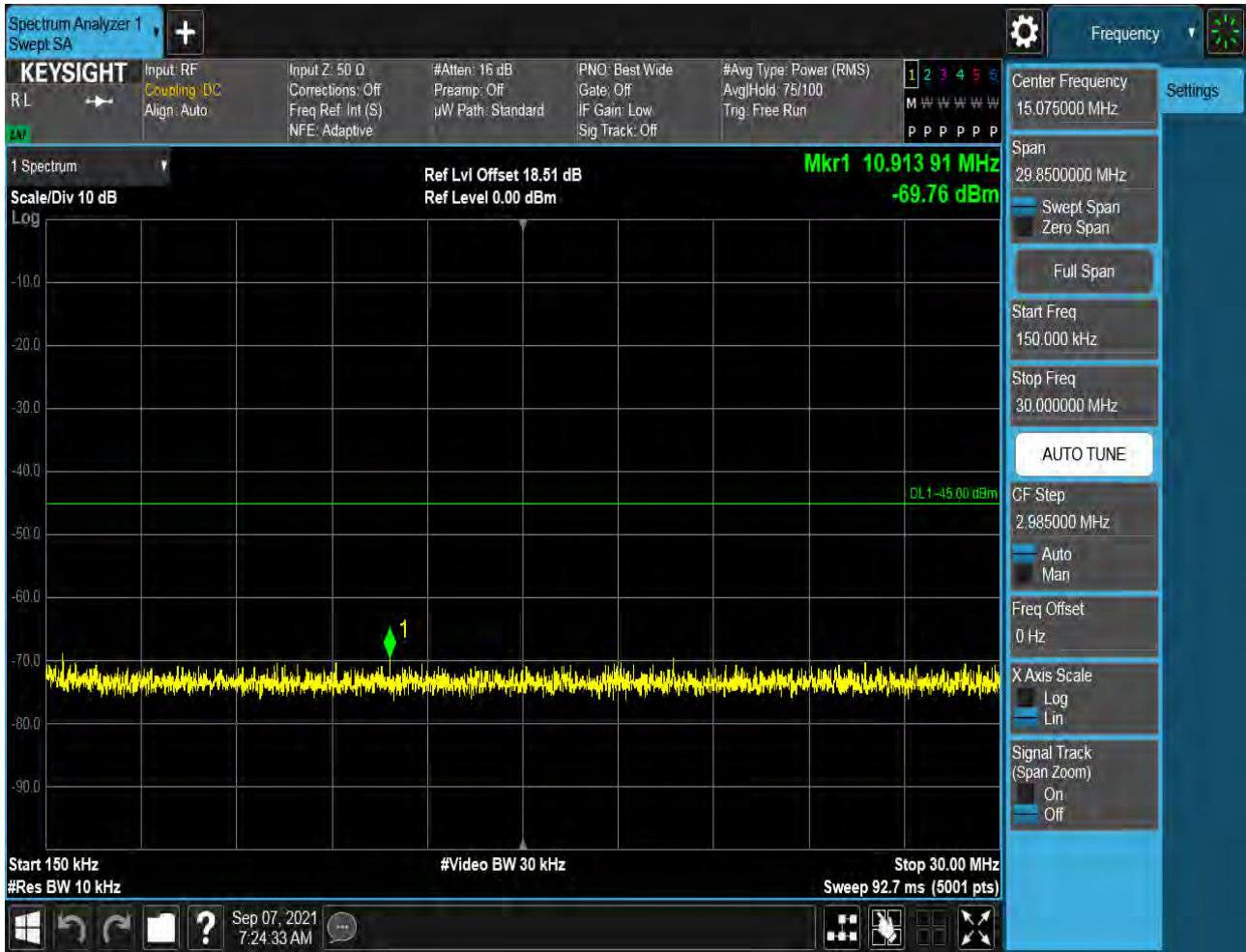


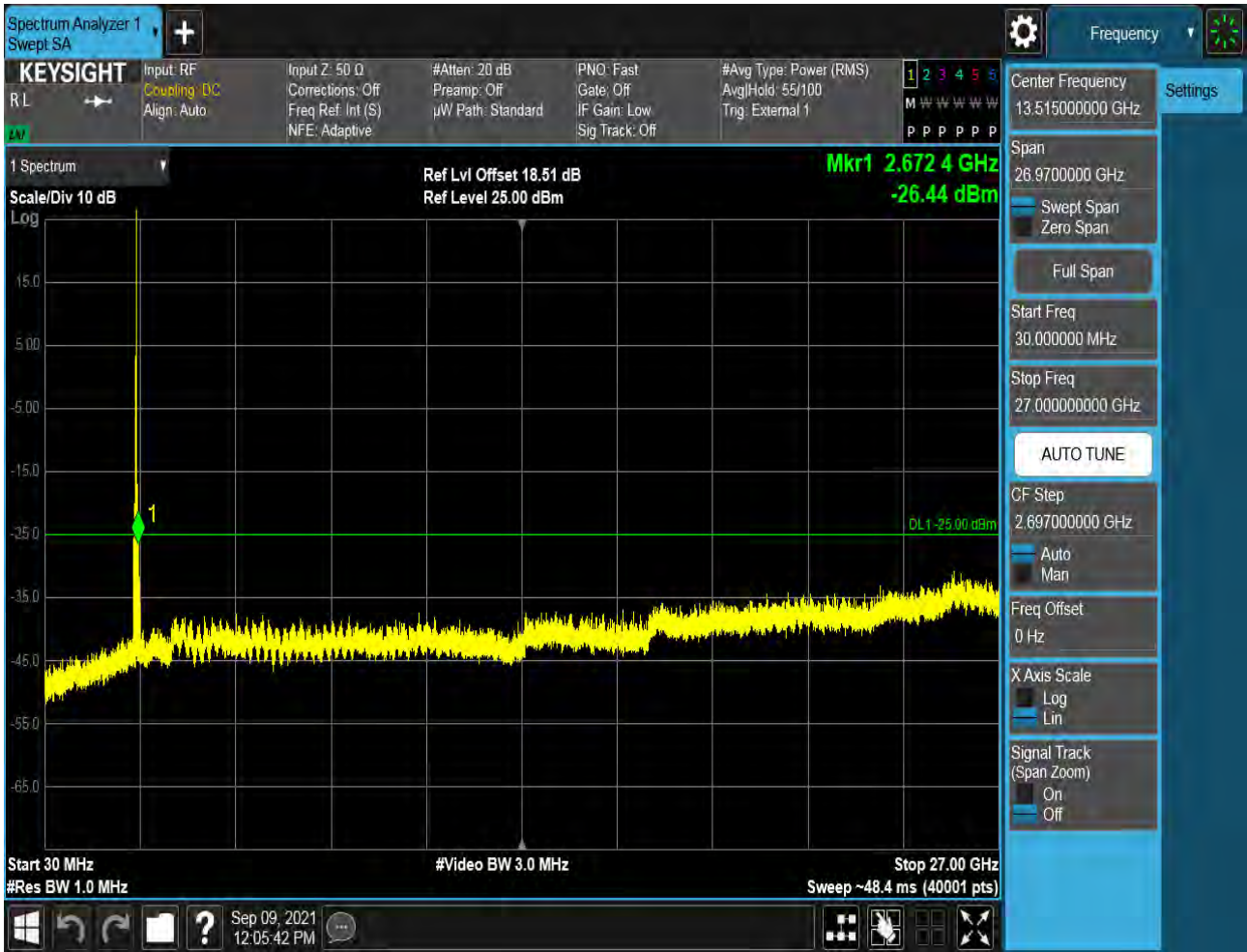


6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0







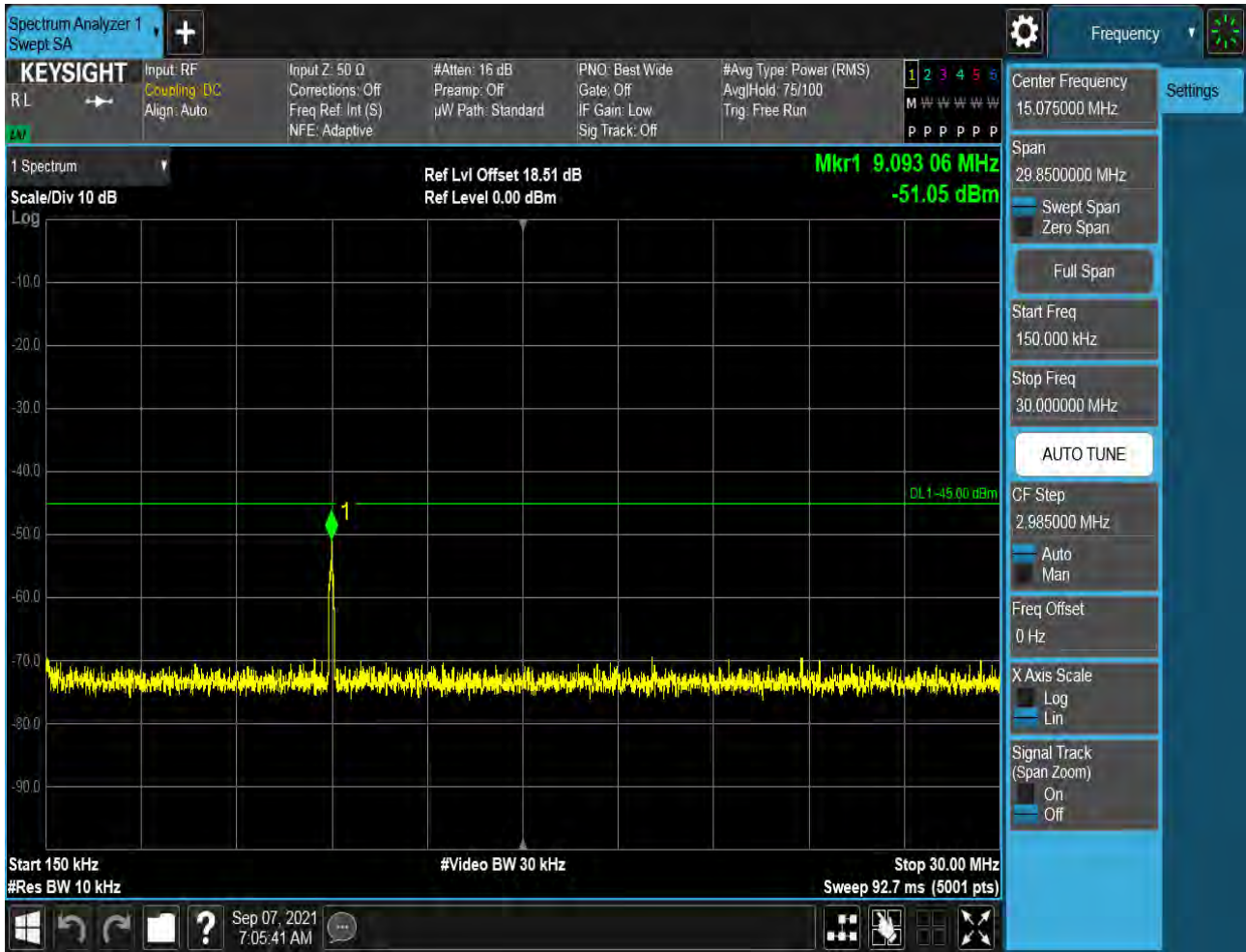
6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 5

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0

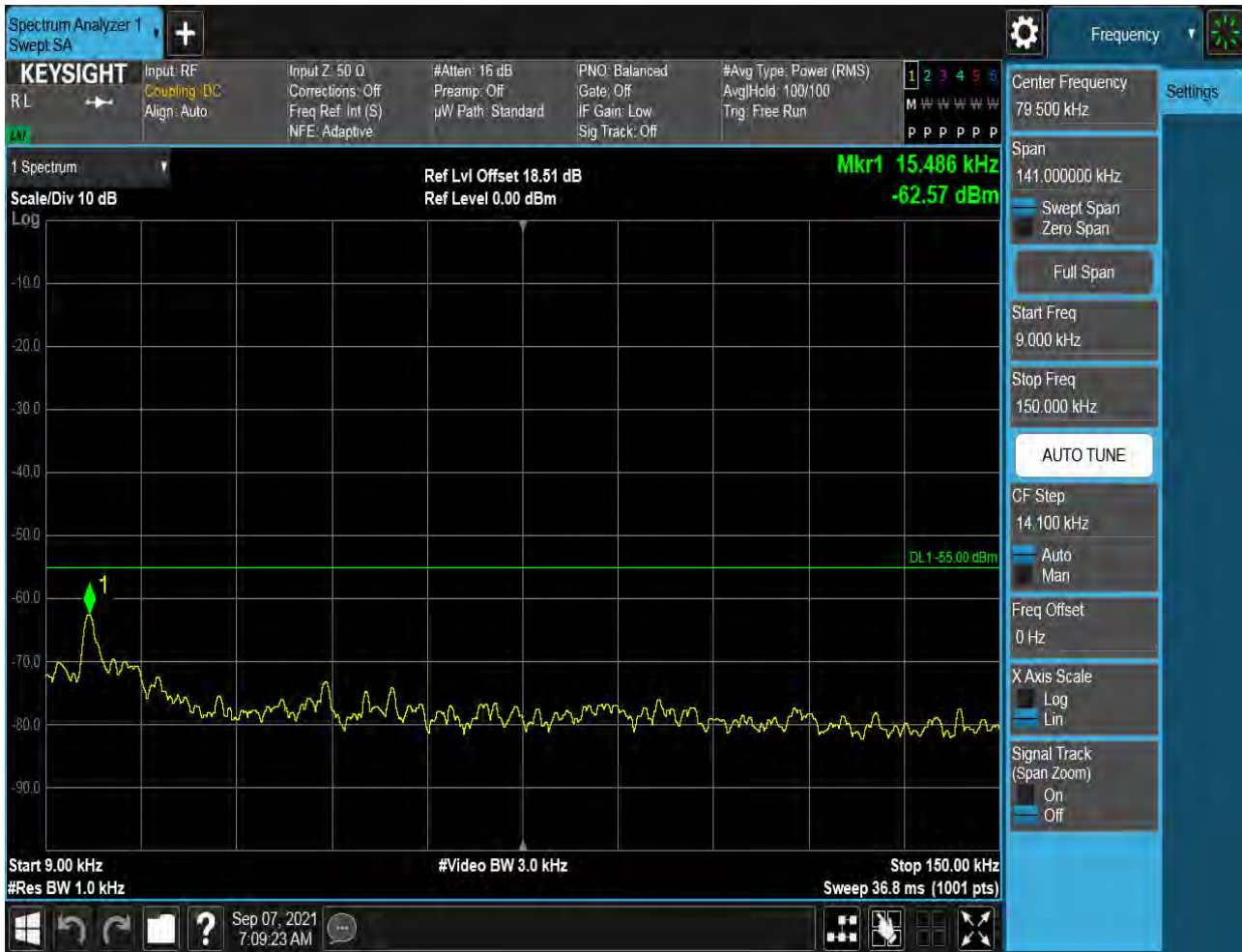


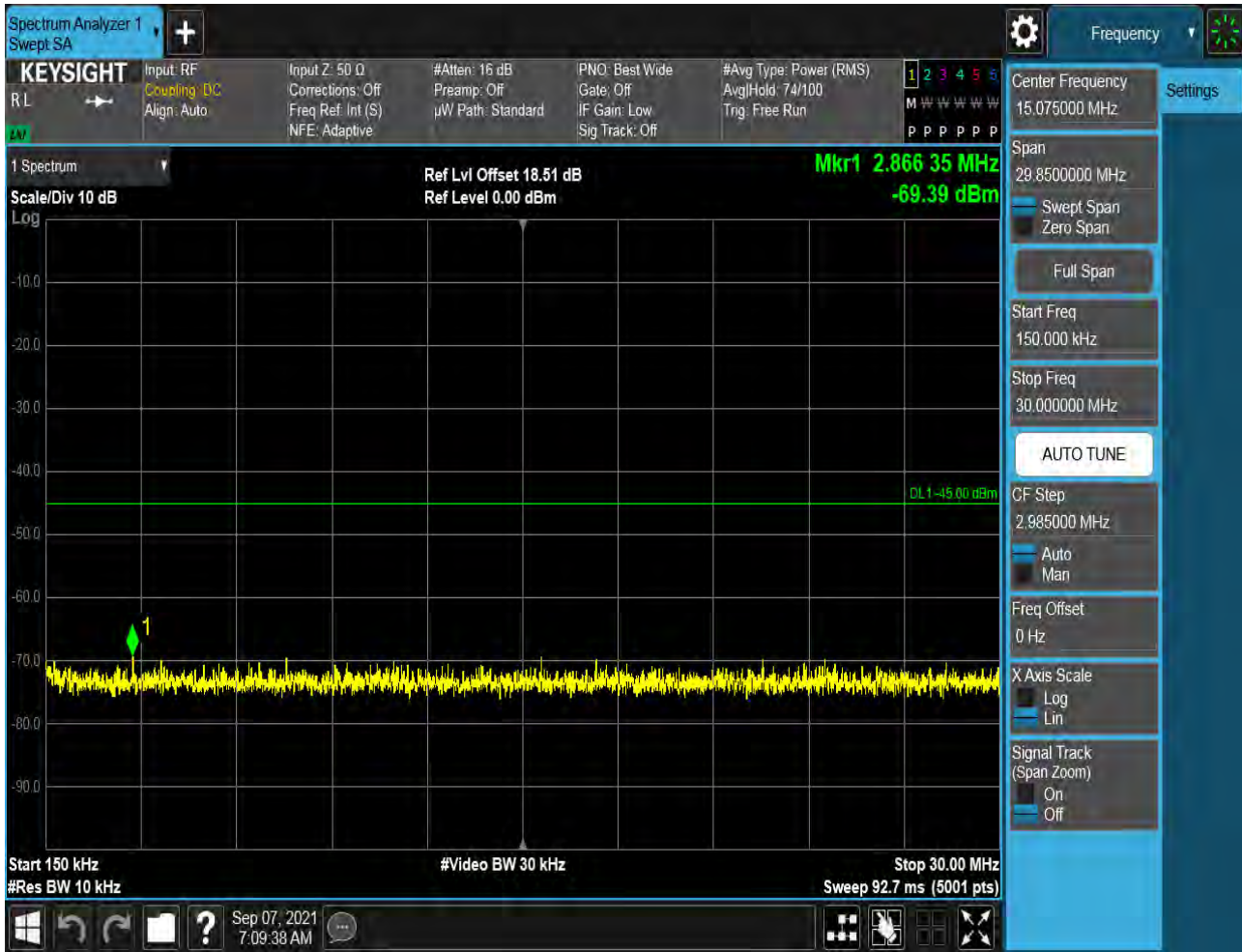




6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0

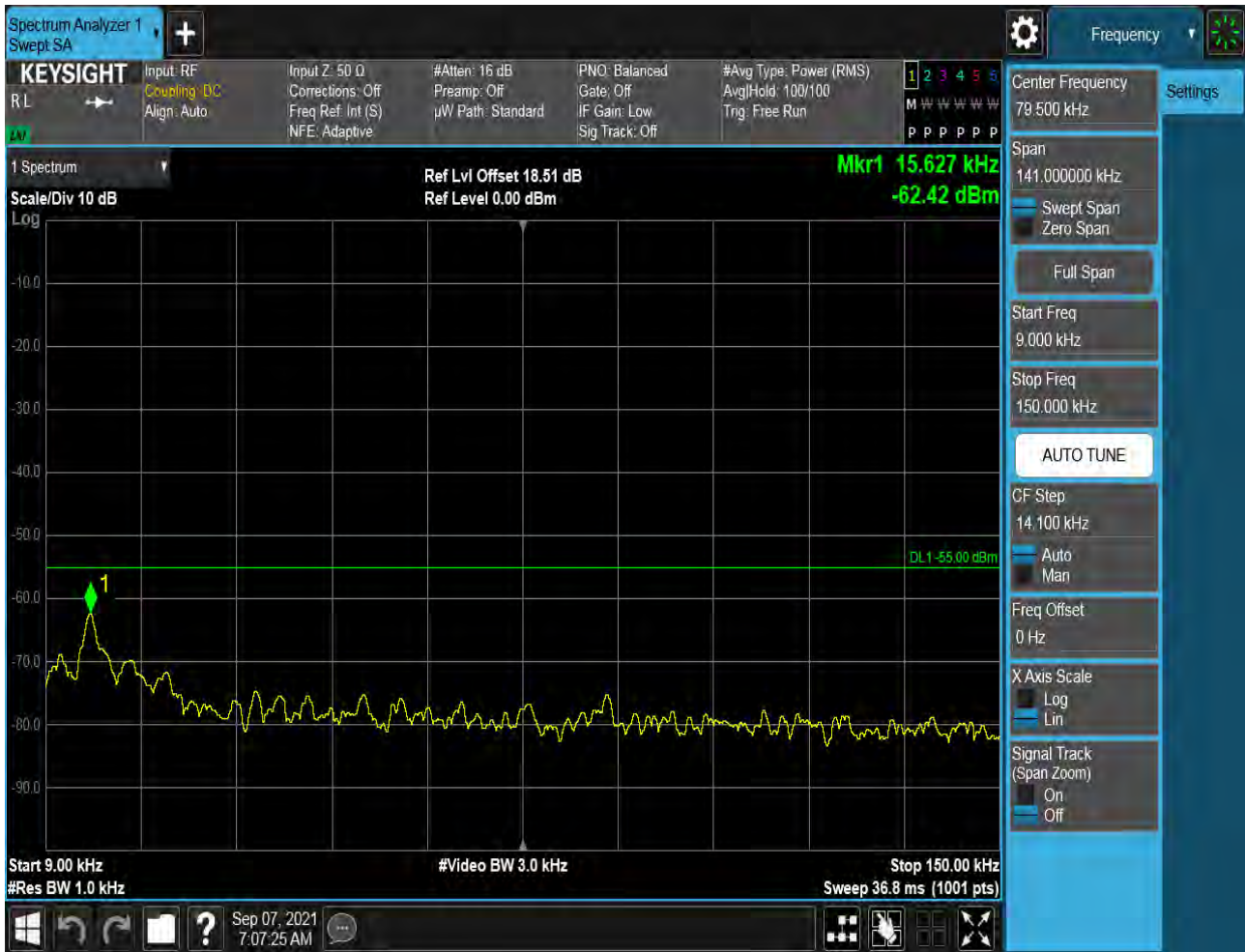


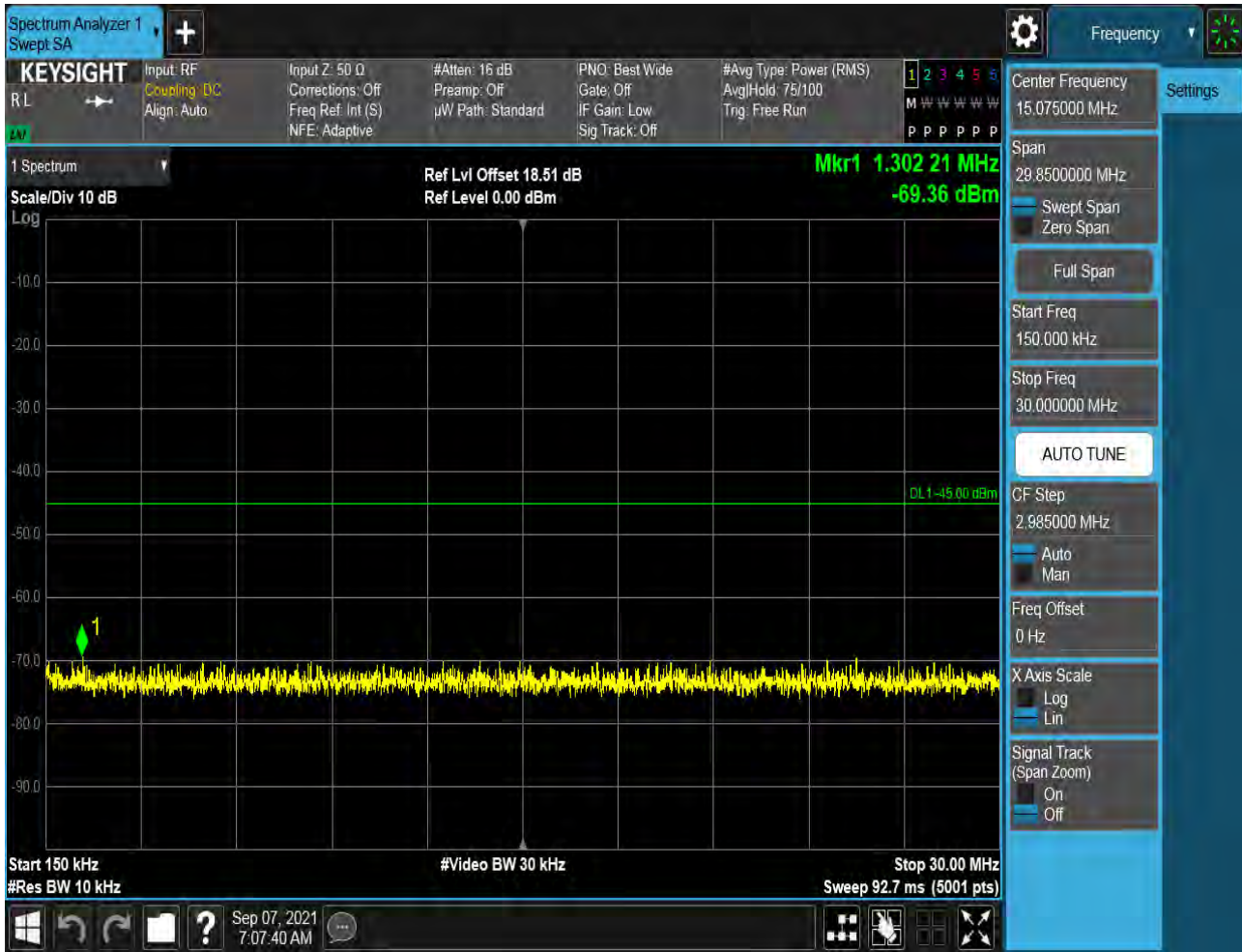




6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0



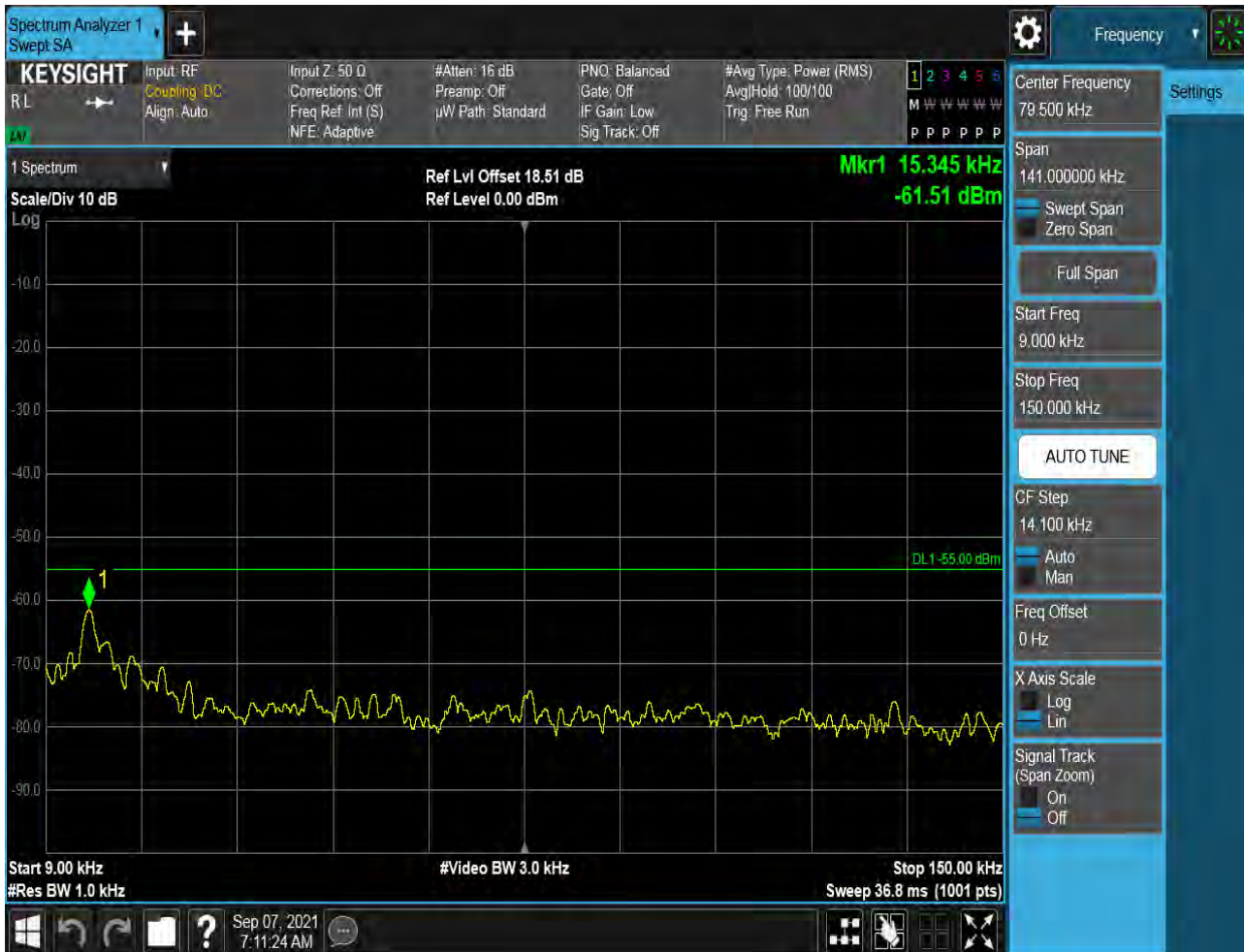


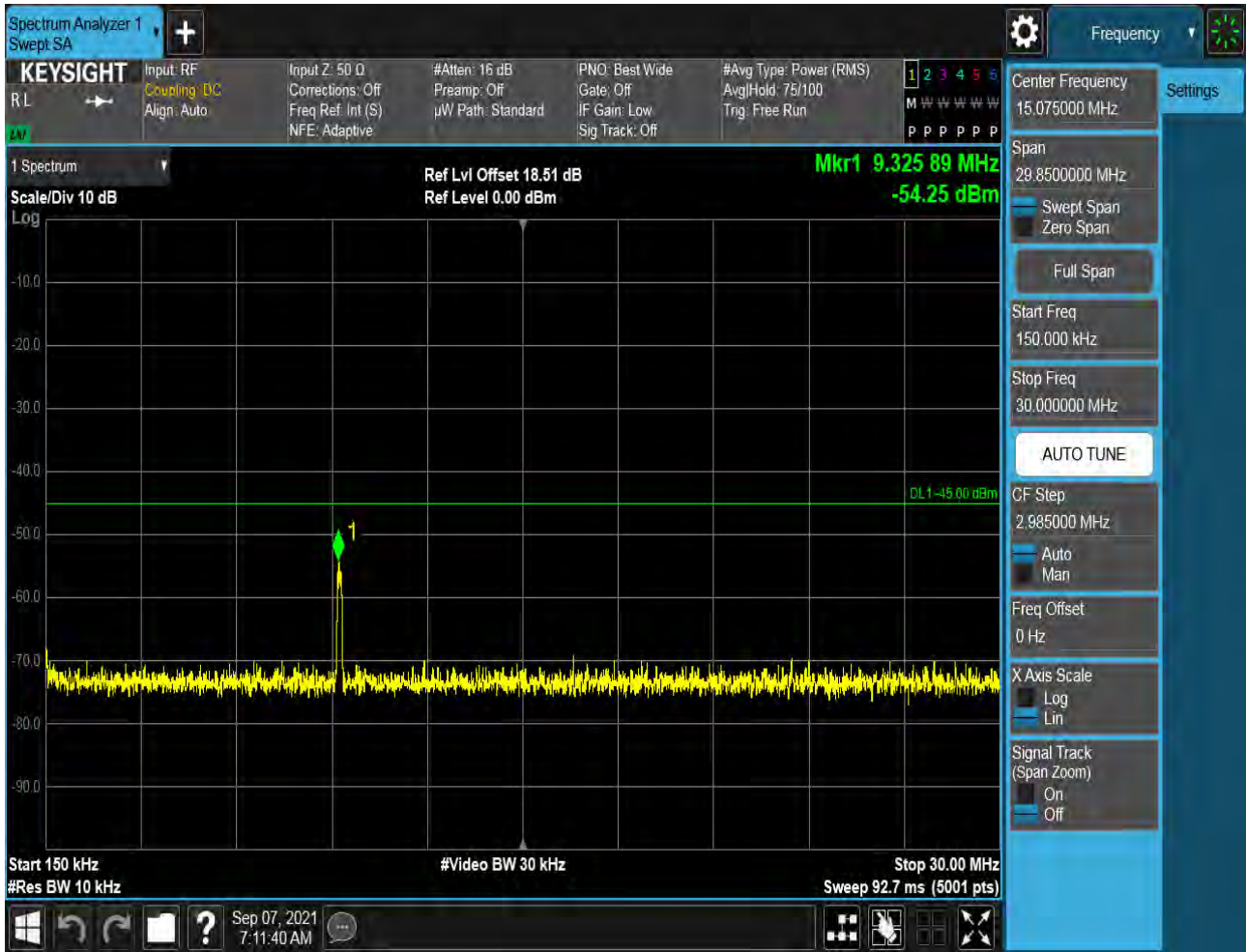


6.2.1.2.2 Test Bandwidth = 10

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0



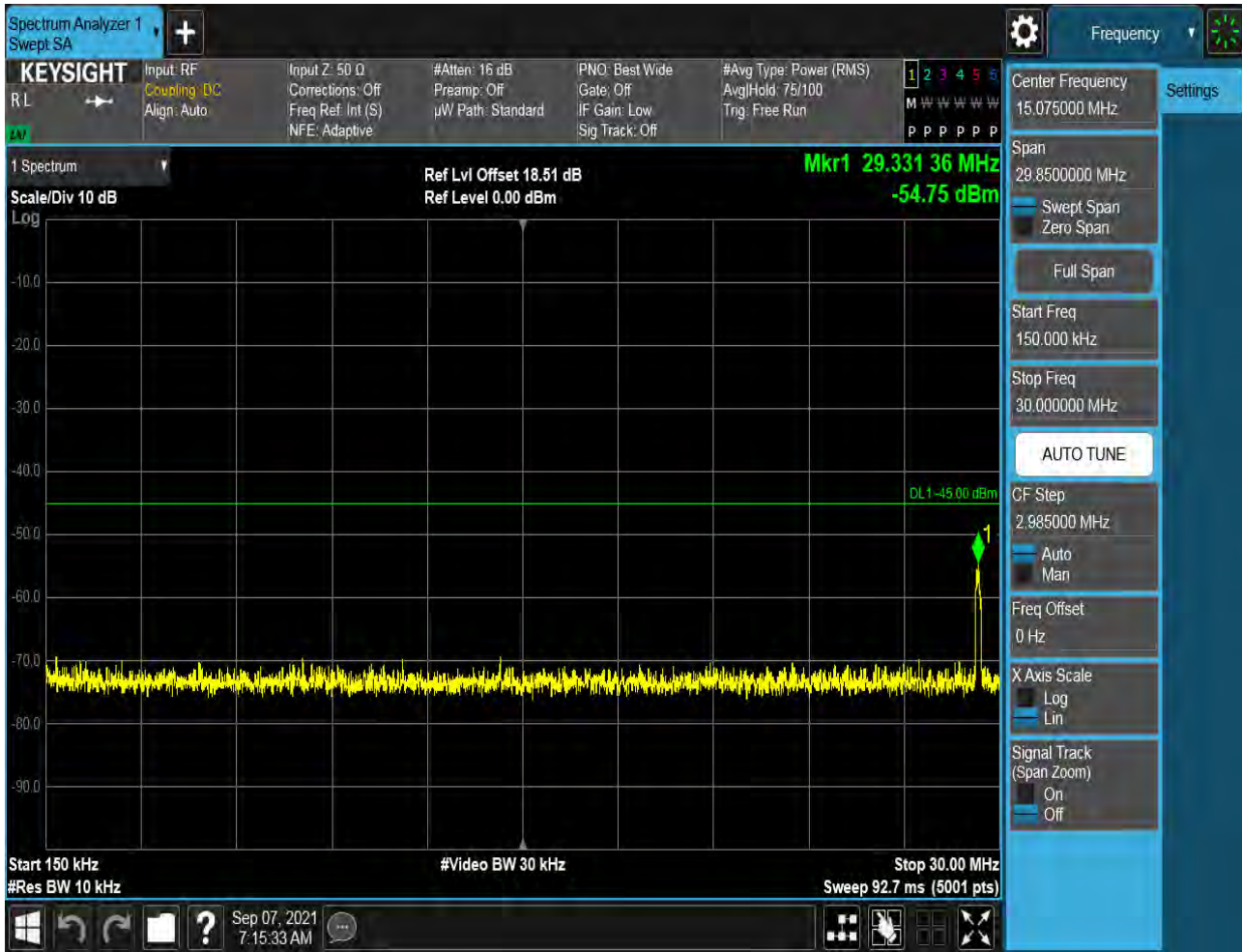




6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0





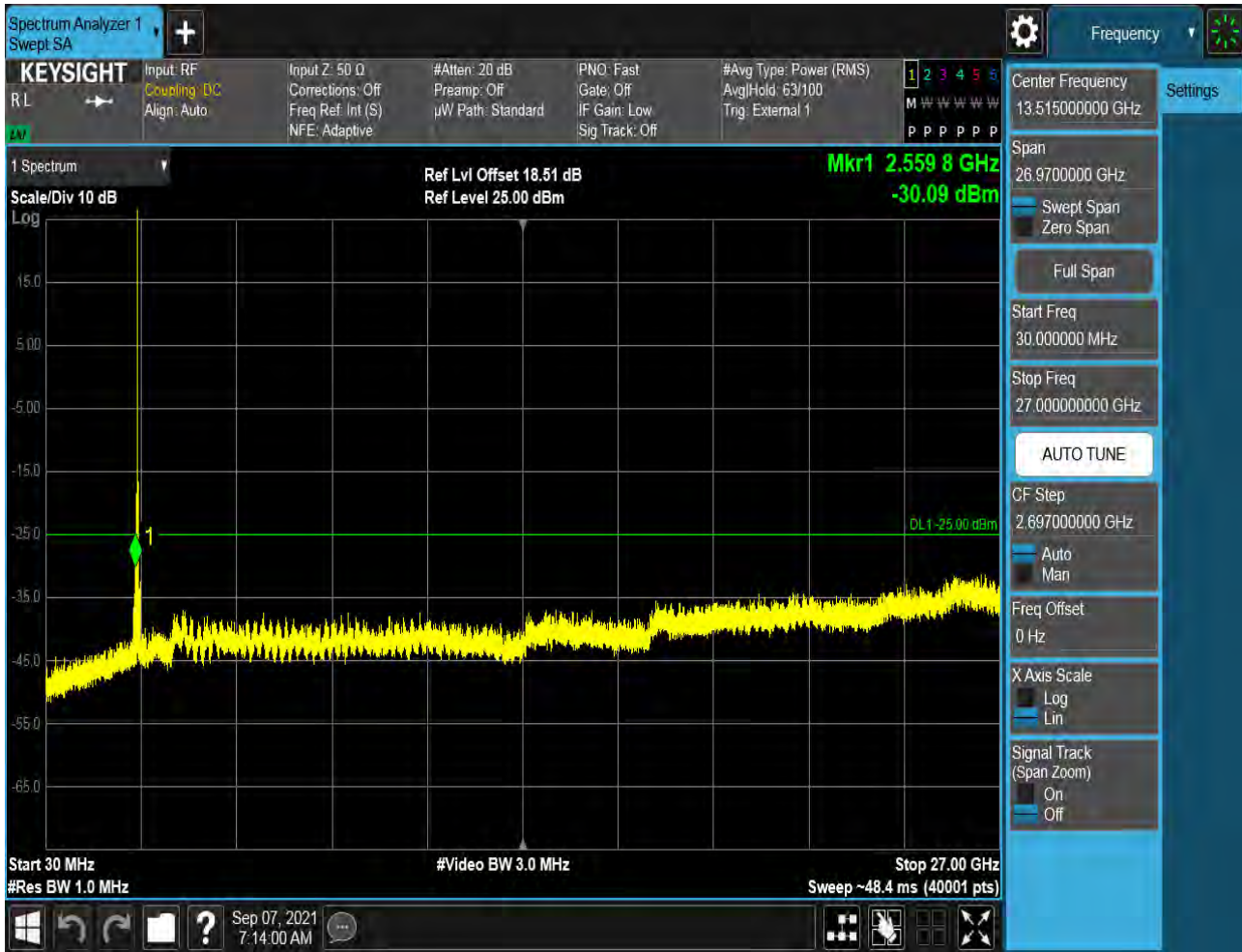


6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0







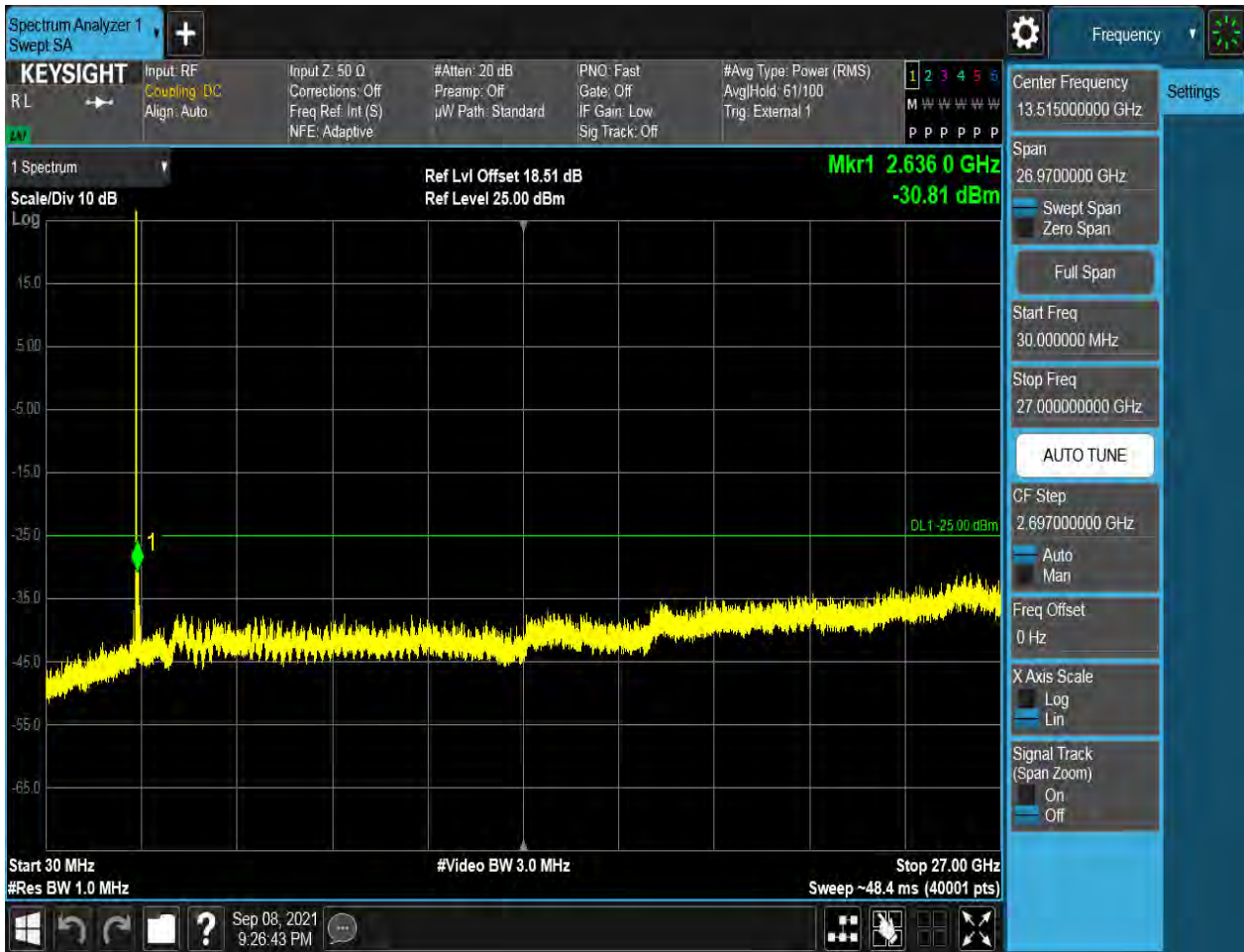
6.2.1.2.3 Test Bandwidth = 15

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0







6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0

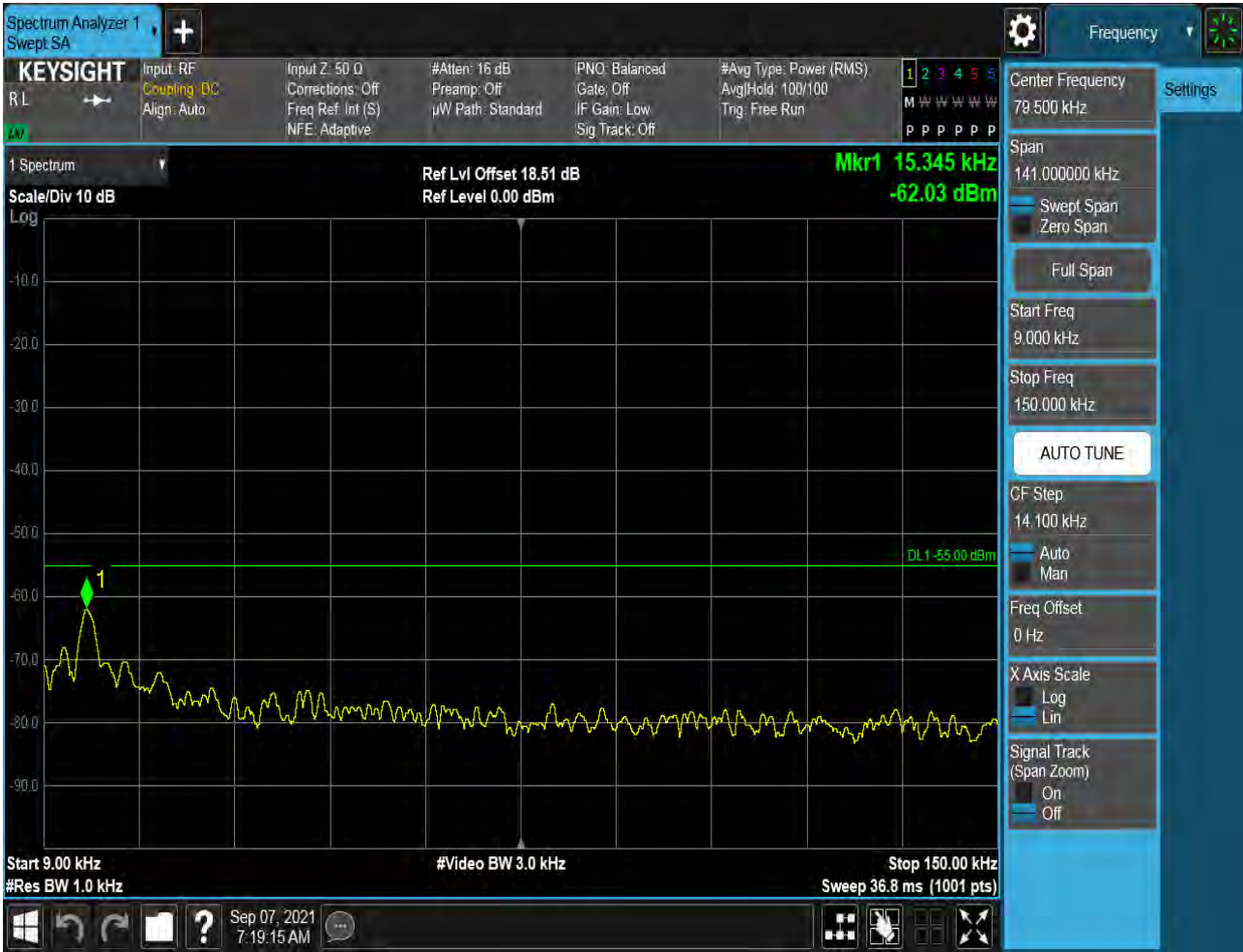


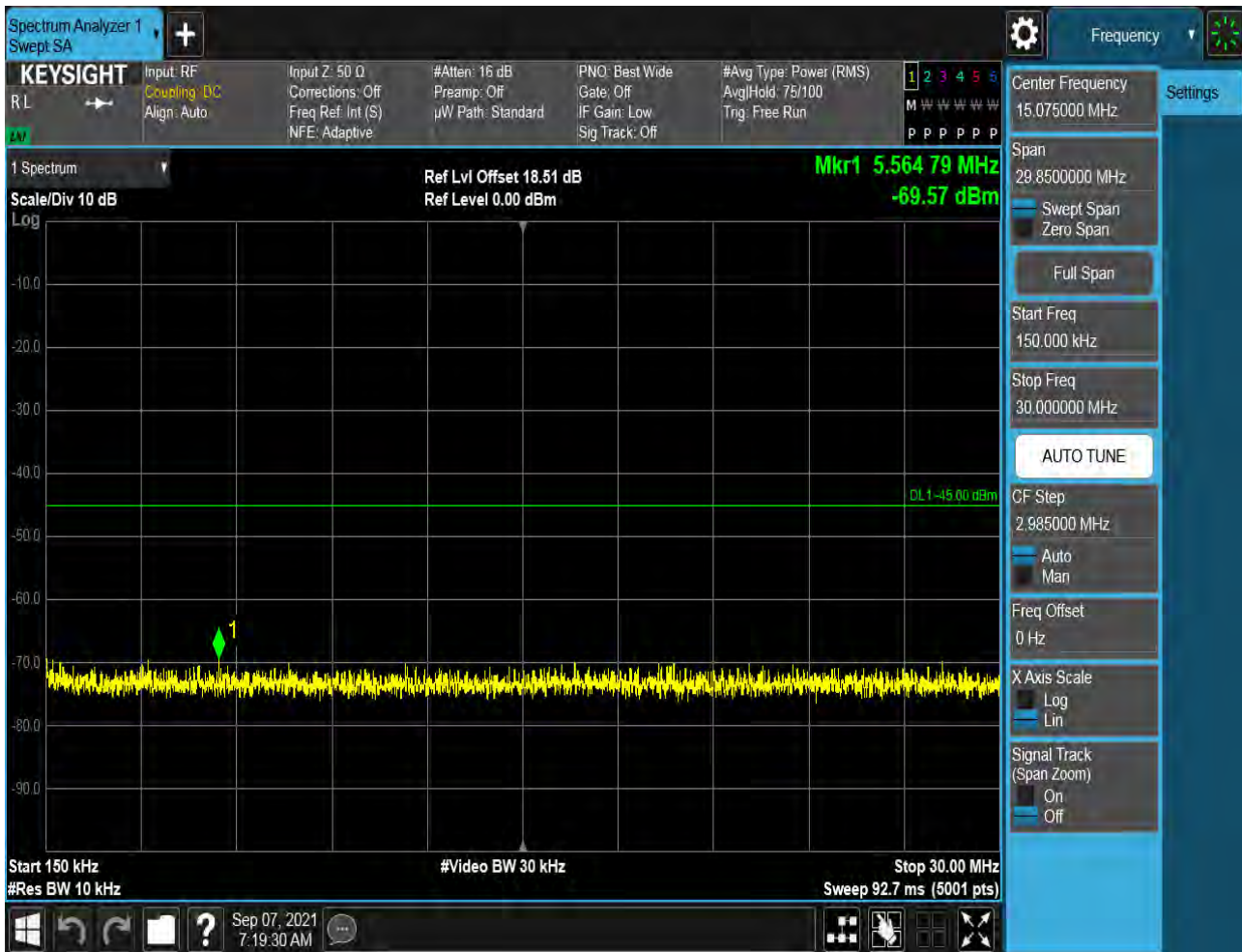




6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0





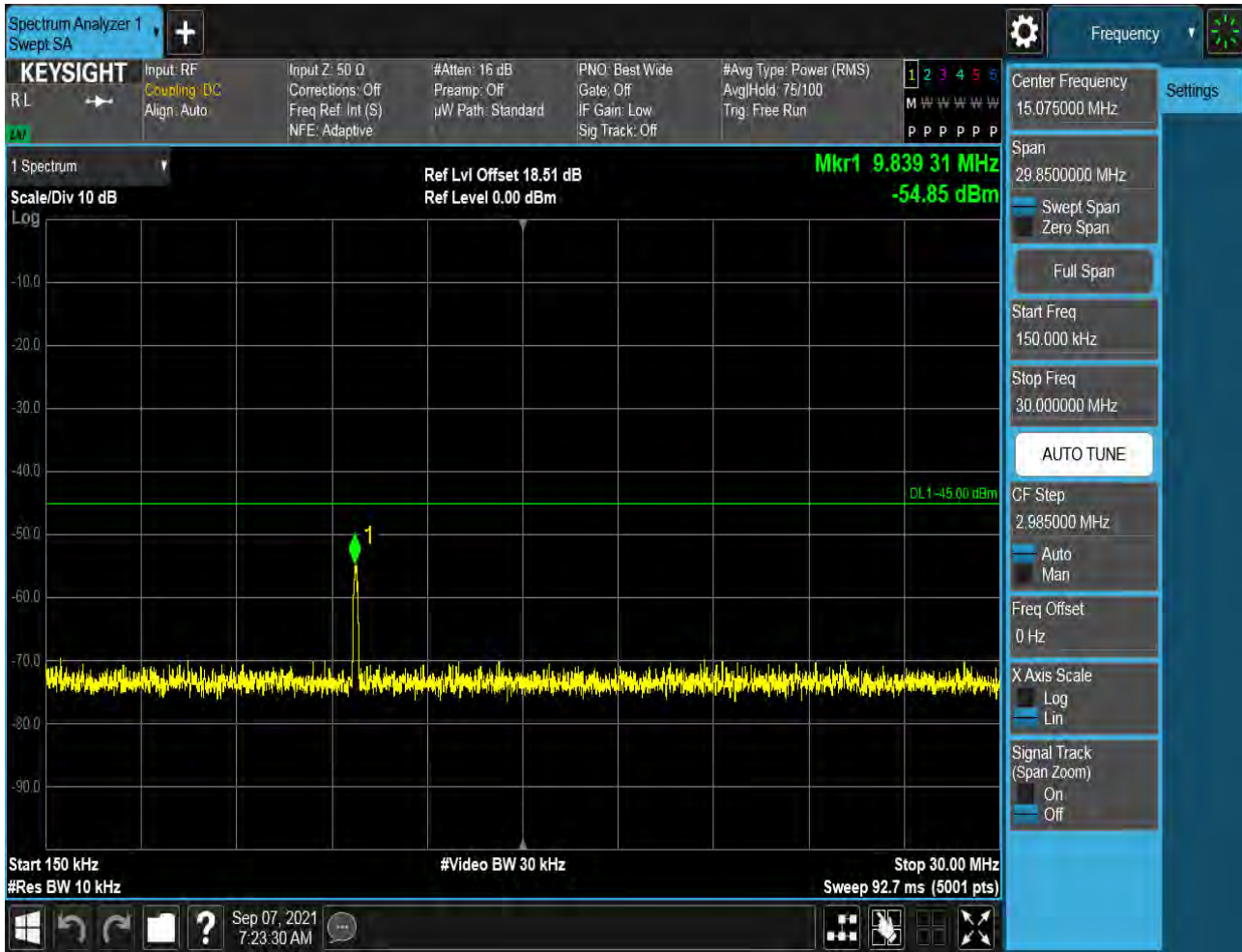


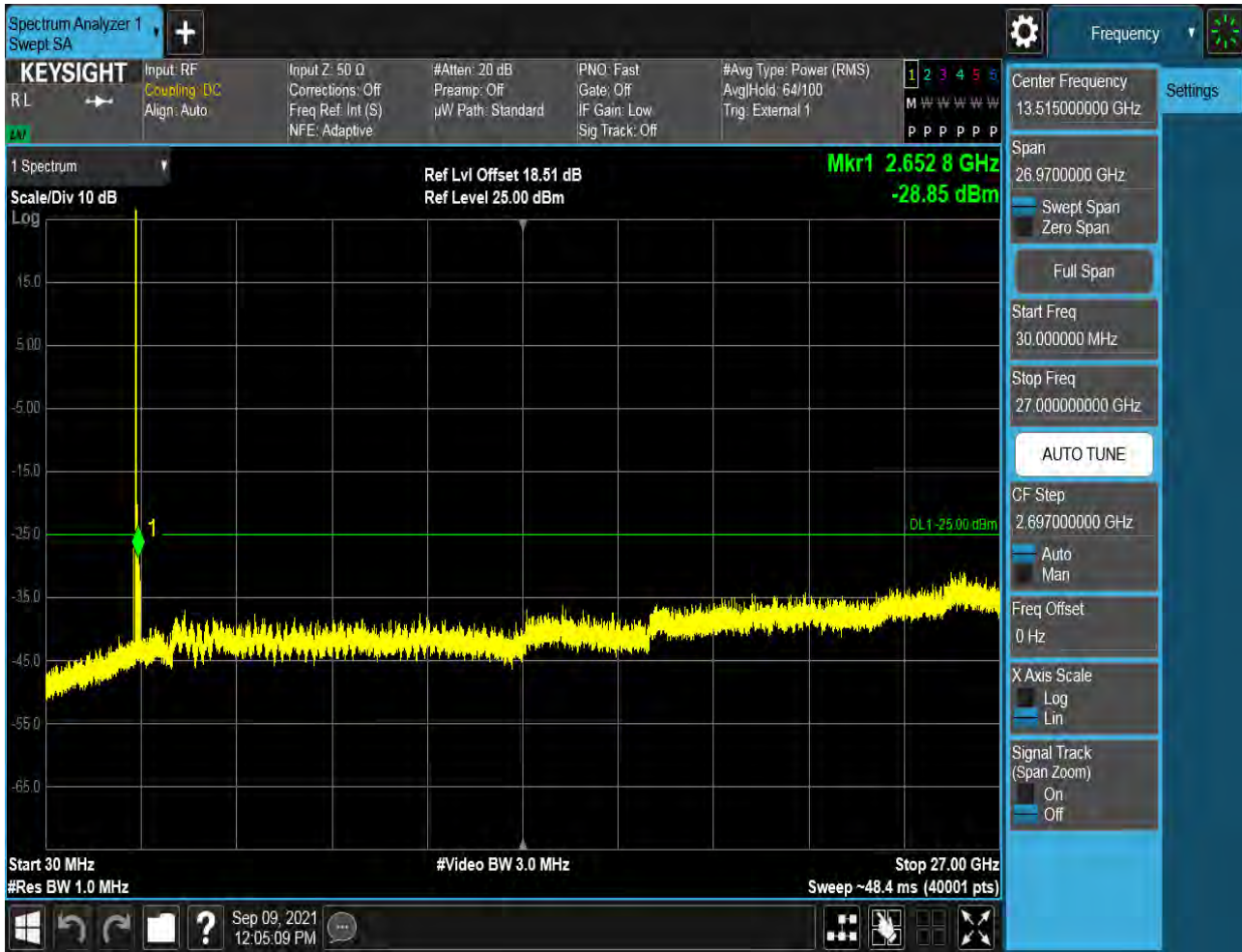
6.2.1.2.4 Test Bandwidth = 20

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

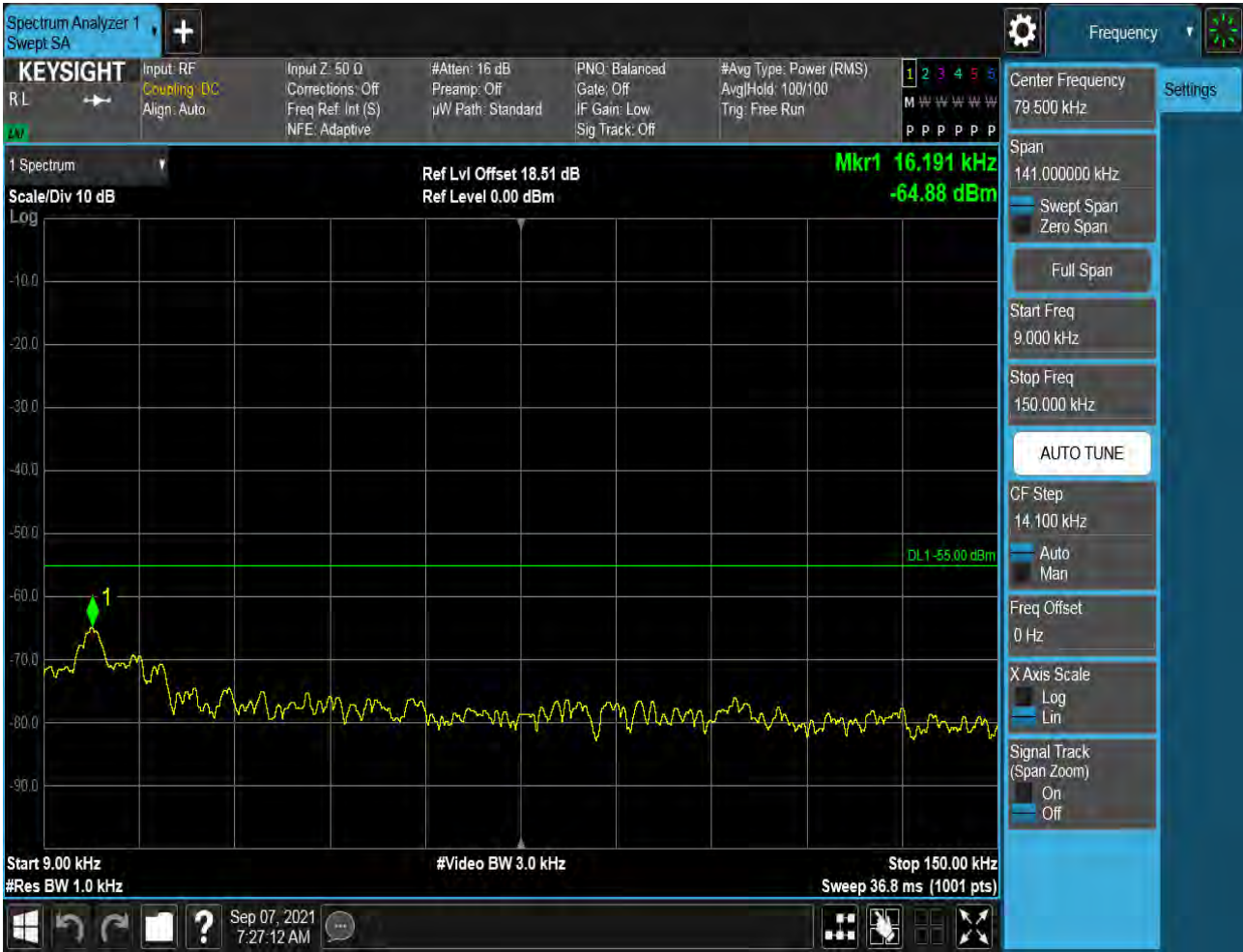




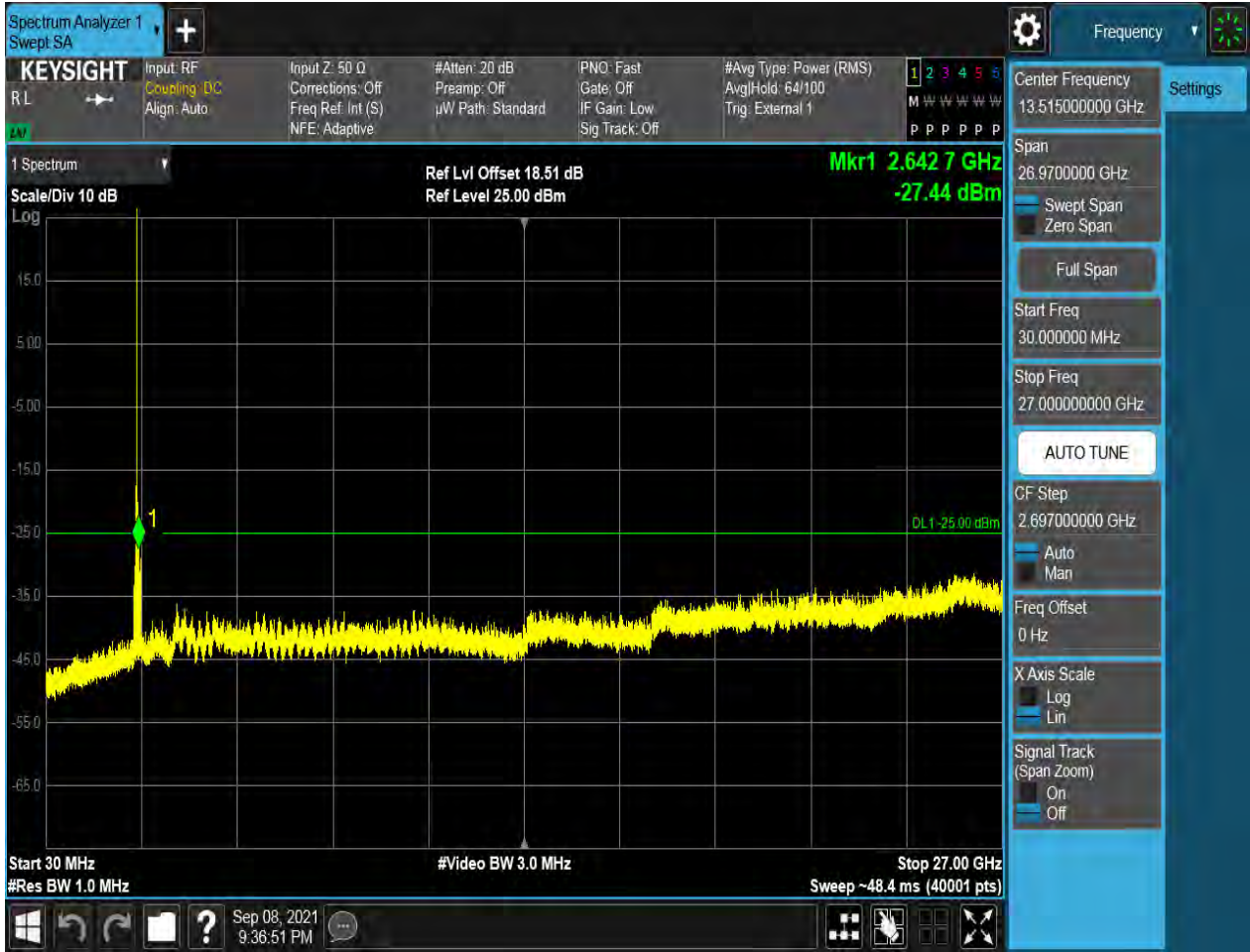


6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0







6.2.1.2.4.3 Test Channel = HCH

6.2.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note 1: We tested all modes & antennas, the data presented below is the worst case.

Note 2: For Below 30MHz, the data presented below is the worst case for all Channel Bandwidth.

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

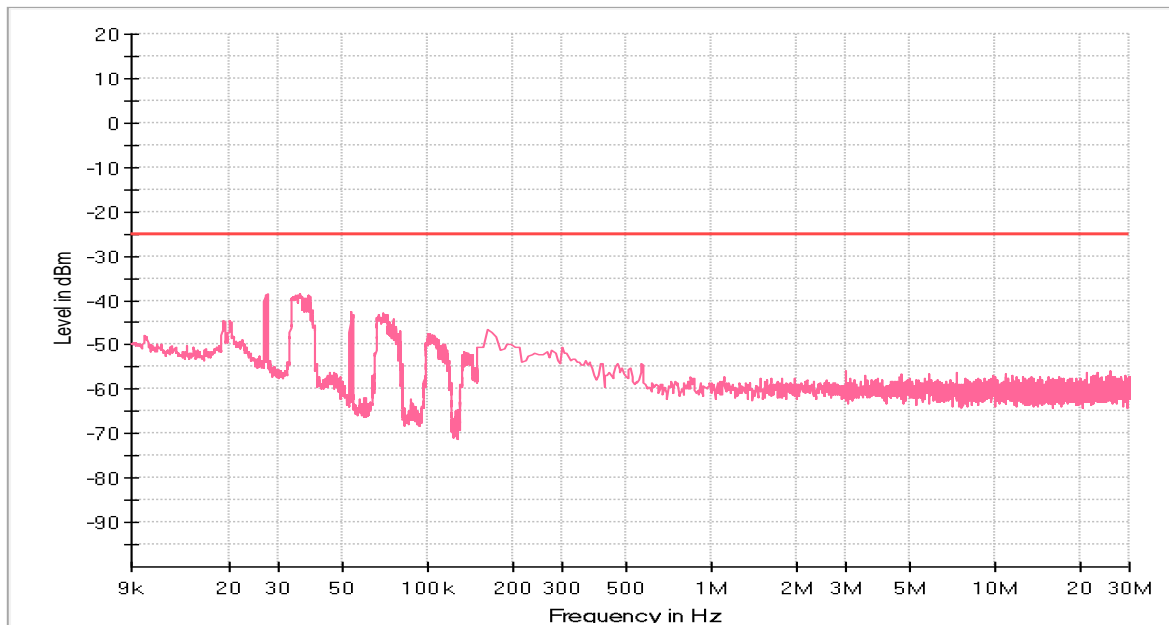
Part I - Test Plots

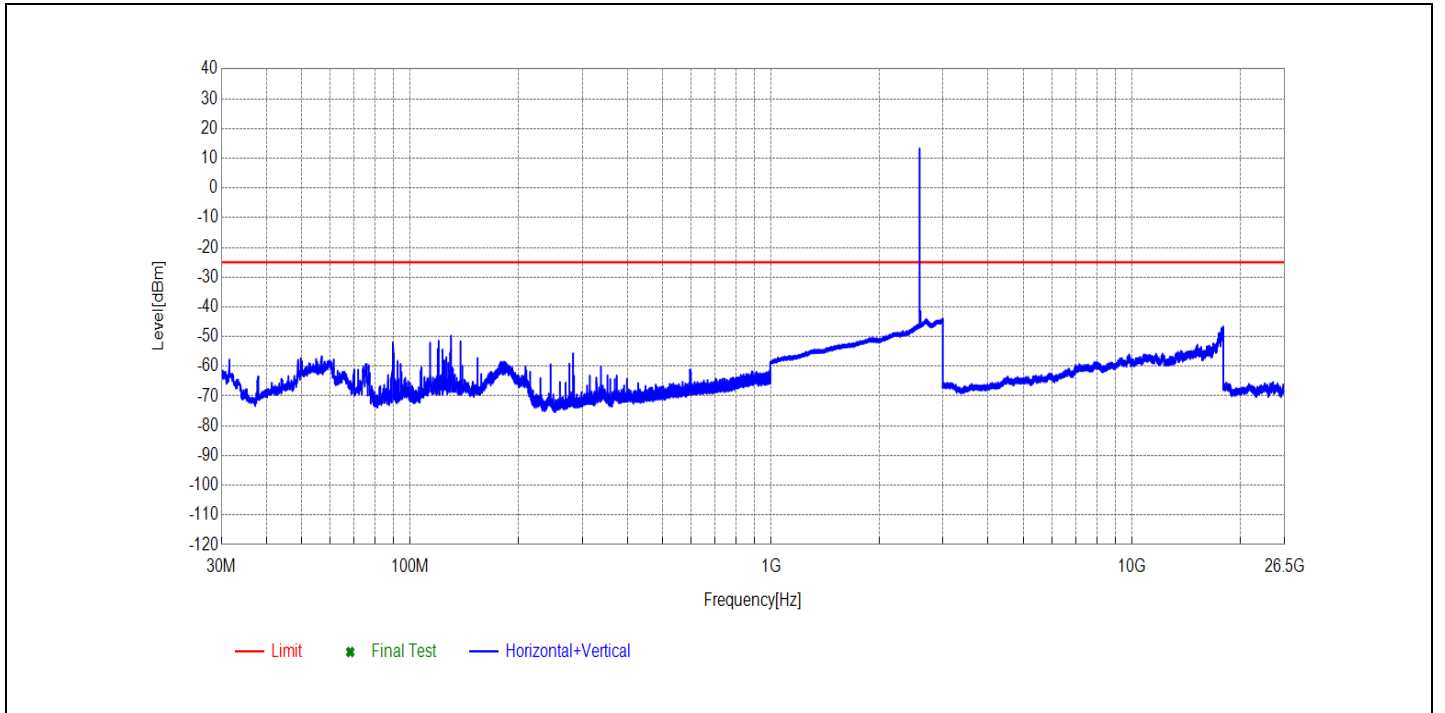
7.1 For LTE

7.1.1 Test Band = Band38

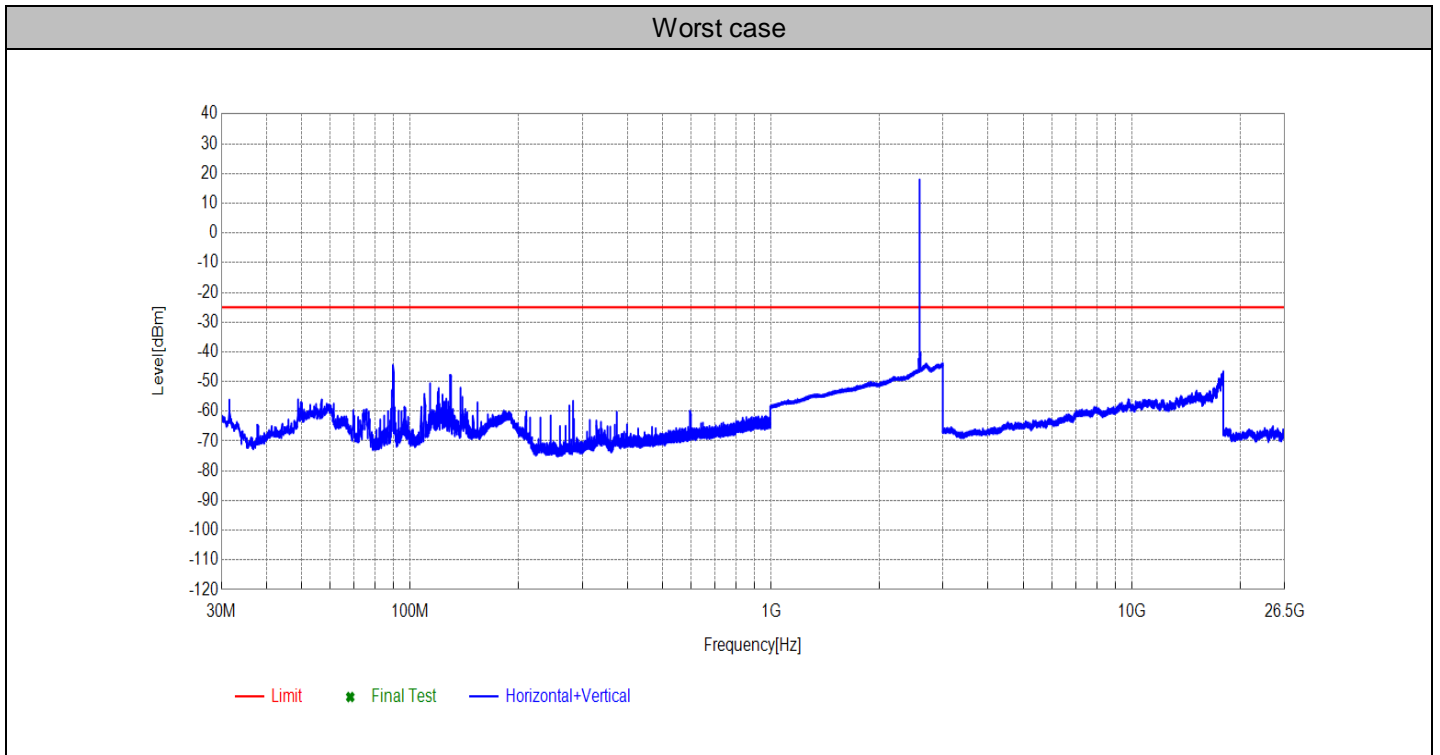
7.1.1.1 Test Bandwidth = 5

Worst case





7.1.1.2 Test Bandwidth = 20



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
Band38	LTE/TM1	5	LCH	TN	VL	106.21840	0.04129	PASS
					VN	6.19654	0.00241	PASS
					VH	3.09015	0.00120	PASS
			MCH	TN	VL	-32.83075	-0.01265	PASS
					VN	15.31419	0.00590	PASS
					VH	16.96997	0.00654	PASS
			HCH	TN	VL	4.21403	0.00161	PASS
					VN	21.07103	0.00805	PASS
					VH	29.99310	0.01146	PASS
		10	LCH	TN	VL	-14.92836	-0.00580	PASS
					VN	-4.84174	-0.00188	PASS
					VH	-27.88417	-0.01083	PASS
			MCH	TN	VL	-8.34277	-0.00321	PASS
					VN	-9.65998	-0.00372	PASS
					VH	-4.97359	-0.00192	PASS
			HCH	TN	VL	5.66583	0.00217	PASS
					VN	4.71093	0.00180	PASS
					VH	7.37404	0.00282	PASS
		15	LCH	TN	VL	3.38094	0.00131	PASS
					VN	1.49879	0.00058	PASS
					VH	8.94933	0.00347	PASS
			MCH	TN	VL	-3.66045	-0.00141	PASS
					VN	-6.39936	-0.00247	PASS
					VH	7.39815	0.00285	PASS
			HCH	TN	VL	7.21395	0.00276	PASS
					VN	-9.02078	-0.00345	PASS
					VH	-2.90982	-0.00111	PASS
		20	LCH	TN	VL	2.65597	0.00103	PASS
					VN	5.79146	0.00224	PASS
					VH	-0.58552	-0.00023	PASS
			MCH	TN	VL	-9.72616	-0.00375	PASS
					VN	5.51332	0.00212	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	4.81778	0.00186	PASS		
					VL	4.26262	0.00163	PASS		
					VN	10.61111	0.00407	PASS		
					VH	8.36742	0.00321	PASS		
			LCH	TN	VL	-27.60816	-0.01073	PASS		
					VN	15.97446	0.00621	PASS		
					VH	21.46928	0.00835	PASS		
					MCH	TN	VL	19.64704	0.00757	PASS
							VN	-15.69364	-0.00605	PASS
							VH	-4.64309	-0.00179	PASS
			HCH	TN	VL	-10.45660	-0.00399	PASS		
					VN	-3.33351	-0.00127	PASS		
		VH			-2.01987	-0.00077	PASS			
		10			LCH	TN	VL	-2.92783	-0.00114	PASS
							VN	22.69606	0.00881	PASS
							VH	26.37398	0.01024	PASS
			MCH	TN		VL	-4.30711	-0.00166	PASS	
						VN	-15.37768	-0.00593	PASS	
						VH	-8.60809	-0.00332	PASS	
		HCH	TN	VL	2.75047	0.00105	PASS			
				VN	-46.90433	-0.01794	PASS			
				VH	37.77148	0.01444	PASS			
				15	LCH	TN	VL	-2.55442	-0.00099	PASS
							VN	2.93663	0.00114	PASS
							VH	4.50855	0.00175	PASS
		MCH	TN			VL	5.17523	0.00199	PASS	
						VN	-3.87523	-0.00149	PASS	
						VH	-2.51118	-0.00097	PASS	
		HCH	TN	VL	2.17747	0.00083	PASS			
				VN	-1.92355	-0.00074	PASS			
				VH	8.35616	0.00320	PASS			
				20	LCH	TN	VL	-1.09865	-0.00043	PASS
							VN	3.12781	0.00121	PASS
							VH	10.52828	0.00408	PASS
		MCH	TN			VL	4.10164	0.00158	PASS	
						VN	7.06555	0.00272	PASS	
						VH	44.62138	0.01720	PASS	
		HCH	TN	VL	9.79856	0.00375	PASS			
				VN	-3.93526	-0.00151	PASS			
				VH	1.26325	0.00048	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	18.33213	0.00713	PASS
					-20	4.44642	0.00173	PASS
					-10	6.00477	0.00233	PASS
					0	-0.10825	-0.00004	PASS
					10	23.72884	0.00922	PASS
					20	6.19654	0.00241	PASS
					30	8.87210	0.00345	PASS
					40	41.22500	0.01603	PASS
					50	-16.53850	-0.00643	PASS
			MCH	VN	-30	-5.78909	-0.00223	PASS
					-20	-10.65376	-0.00411	PASS
					-10	-22.40327	-0.00863	PASS
					0	6.14705	0.00237	PASS
					10	2.21794	0.00085	PASS
					20	15.31419	0.00590	PASS
					30	16.12562	0.00621	PASS
					40	-20.05978	-0.00773	PASS
					50	0.12095	0.00005	PASS
		HCH	VN	-30	18.28187	0.00698	PASS	
				-20	-22.38070	-0.00855	PASS	
				-10	10.73967	0.00410	PASS	
				0	-20.76965	-0.00793	PASS	
				10	9.88049	0.00377	PASS	
				20	21.07103	0.00805	PASS	
				30	-13.69376	-0.00523	PASS	
				40	-17.03549	-0.00651	PASS	
				50	11.85951	0.00453	PASS	
		10	LCH	VN	-30	-8.39924	-0.00326	PASS
					-20	-3.57711	-0.00139	PASS
					-10	2.55648	0.00099	PASS
					0	0.30711	0.00012	PASS
					10	-19.11949	-0.00743	PASS
					20	-4.84174	-0.00188	PASS
					30	3.91835	0.00152	PASS
					40	-5.84939	-0.00227	PASS
					50	-8.33255	-0.00324	PASS
MCH	VN		-30	-0.40892	-0.00016	PASS		
			-20	-11.20506	-0.00432	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-14.88218	-0.00573	PASS
					0	1.01286	0.00039	PASS
					10	-3.65088	-0.00141	PASS
					20	-9.65998	-0.00372	PASS
					30	-9.98077	-0.00385	PASS
					40	-0.46540	-0.00018	PASS
					50	-9.87882	-0.00381	PASS
			HCH	VN	-30	13.66646	0.00523	PASS
					-20	1.40657	0.00054	PASS
					-10	-3.78605	-0.00145	PASS
					0	-9.18698	-0.00351	PASS
					10	-13.76784	-0.00526	PASS
					20	4.71093	0.00180	PASS
					30	8.33905	0.00319	PASS
					40	-12.42861	-0.00475	PASS
		50	8.55258	0.00327	PASS			
		15	LCH	VN	-30	-3.38926	-0.00131	PASS
					-20	0.72170	0.00028	PASS
					-10	13.69152	0.00531	PASS
					0	-0.62444	-0.00024	PASS
					10	-0.72066	-0.00028	PASS
					20	1.49879	0.00058	PASS
					30	-5.41587	-0.00210	PASS
					40	7.18233	0.00279	PASS
			50	8.54438	0.00331	PASS		
			MCH	VN	-30	6.56744	0.00253	PASS
					-20	-0.44564	-0.00017	PASS
					-10	1.72787	0.00067	PASS
					0	-0.57533	-0.00022	PASS
					10	1.81106	0.00070	PASS
					20	-6.39936	-0.00247	PASS
		30			-1.76729	-0.00068	PASS	
		40			2.44398	0.00094	PASS	
		50	1.26655	0.00049	PASS			
		HCH	VN	-30	4.11904	0.00158	PASS	
				-20	-3.29061	-0.00126	PASS	
				-10	1.14557	0.00044	PASS	
				0	-4.37898	-0.00168	PASS	
				10	-2.03966	-0.00078	PASS	
				20	-9.02078	-0.00345	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20	LCH	VN	30	-0.34638	-0.00013	PASS
					40	-6.21766	-0.00238	PASS
					50	2.77198	0.00106	PASS
					-30	7.15215	0.00277	PASS
					-20	-0.94751	-0.00037	PASS
					-10	5.67438	0.00220	PASS
					0	6.30191	0.00244	PASS
					10	-0.95456	-0.00037	PASS
					20	5.79146	0.00224	PASS
			30	3.37976	0.00131	PASS		
			40	-3.78174	-0.00147	PASS		
			50	1.59068	0.00062	PASS		
			MCH	VN	-30	7.44327	0.00287	PASS
					-20	15.30075	0.00590	PASS
					-10	-4.99210	-0.00192	PASS
		0			7.96360	0.00307	PASS	
		10			73.09517	0.02817	PASS	
		20			5.51332	0.00212	PASS	
		30			3.15543	0.00122	PASS	
		40			-3.92075	-0.00151	PASS	
		50			-12.29582	-0.00474	PASS	
		HCH	VN	-30	-8.79320	-0.00337	PASS	
				-20	0.74901	0.00029	PASS	
				-10	-4.51588	-0.00173	PASS	
				0	3.09338	0.00119	PASS	
				10	-0.86287	-0.00033	PASS	
				20	10.61111	0.00407	PASS	
				30	-8.16431	-0.00313	PASS	
				40	0.00279	0.00000	PASS	
				50	-0.03000	-0.00001	PASS	
	LTE/TM2	5	LCH	VN	-30	26.25354	0.01021	PASS
					-20	27.47677	0.01068	PASS
					-10	-6.75990	-0.00263	PASS
					0	6.62087	0.00257	PASS
					10	-29.39667	-0.01143	PASS
					20	15.97446	0.00621	PASS
					30	6.41587	0.00249	PASS
					40	-25.60408	-0.00995	PASS
					50	-2.71780	-0.00106	PASS
			MCH	VN	-30	-3.11774	-0.00120	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict							
					-20	4.91514	0.00189	PASS							
					-10	-13.49308	-0.00520	PASS							
					0	-71.82010	-0.02768	PASS							
					10	-21.38526	-0.00824	PASS							
					20	-15.69364	-0.00605	PASS							
					30	-69.54322	-0.02680	PASS							
					40	6.57088	0.00253	PASS							
					50	-103.07500	-0.03972	PASS							
					HCH	VN				-30	26.97784	0.01031	PASS		
										-20	-3.02331	-0.00116	PASS		
										-10	20.47847	0.00782	PASS		
										0	-15.63402	-0.00597	PASS		
										10	-9.40083	-0.00359	PASS		
										20	-3.33351	-0.00127	PASS		
										30	-1.91020	-0.00073	PASS		
		40	5.22609	0.00200						PASS					
		50	-14.08058	-0.00538	PASS										
		LCH	VN					-30	6.24375	0.00242	PASS				
								-20	12.85133	0.00499	PASS				
								-10	-13.17883	-0.00512	PASS				
								0	-10.85624	-0.00422	PASS				
								10	-7.25003	-0.00282	PASS				
								20	22.69606	0.00881	PASS				
							30	0.45390	0.00018	PASS					
							40	11.12285	0.00432	PASS					
							50	0.81500	0.00032	PASS					
							MCH	VN				-30	-3.81983	-0.00147	PASS
												-20	-0.77055	-0.00030	PASS
												-10	12.71599	0.00490	PASS
		0	-14.66293		-0.00565	PASS									
		10	4.47462		0.00172	PASS									
		20	-15.37768		-0.00593	PASS									
		30	2.94254	0.00113	PASS										
		40	12.75264	0.00491	PASS										
		50	-10.08726	-0.00389	PASS										
		HCH	VN				-30	9.26964		0.00354	PASS				
							-20	-17.43281		-0.00667	PASS				
							-10	7.11296		0.00272	PASS				
							0	0.44130		0.00017	PASS				
							10	-13.38037		-0.00512	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-46.90433	-0.01794	PASS		
					30	7.94717	0.00304	PASS		
					40	15.10206	0.00578	PASS		
					50	-67.37432	-0.02576	PASS		
		15	LCH	VN	-30	-7.87780	-0.00306	PASS		
					-20	6.55002	0.00254	PASS		
					-10	-52.55312	-0.02039	PASS		
					0	0.74824	0.00029	PASS		
					10	11.57063	0.00449	PASS		
					20	2.93663	0.00114	PASS		
					30	-0.37905	-0.00015	PASS		
					40	15.88637	0.00616	PASS		
					50	-2.09119	-0.00081	PASS		
					MCH	VN	-30	1.41853	0.00055	PASS
							-20	-1.52146	-0.00059	PASS
							-10	7.16870	0.00276	PASS
							0	6.03956	0.00233	PASS
							10	-8.94833	-0.00345	PASS
							20	-3.87523	-0.00149	PASS
							30	7.03242	0.00271	PASS
		40	-2.59183	-0.00100			PASS			
		HCH	VN	50	-5.89059	-0.00227	PASS			
				-30	-0.00624	0.00000	PASS			
				-20	6.52358	0.00250	PASS			
				-10	-7.35741	-0.00282	PASS			
				0	7.00442	0.00268	PASS			
				10	-0.90807	-0.00035	PASS			
				20	-1.92355	-0.00074	PASS			
				30	1.87785	0.00072	PASS			
		20	LCH	VN	40	4.74066	0.00181	PASS		
					50	5.10629	0.00195	PASS		
					-30	7.55139	0.00293	PASS		
-20	-6.52791				-0.00253	PASS				
-10	-7.71622				-0.00299	PASS				
0	-9.46183				-0.00367	PASS				
10	11.29441				0.00438	PASS				
20	3.12781				0.00121	PASS				
30	9.89801	0.00384	PASS							
40	2.81253	0.00109	PASS							
50	0.86173	0.00033	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	-8.08827	-0.00312	PASS
					-20	8.50437	0.00328	PASS
					-10	77.02481	0.02968	PASS
					0	7.65274	0.00295	PASS
					10	5.49571	0.00212	PASS
					20	7.06555	0.00272	PASS
					30	6.33899	0.00244	PASS
					40	2.15462	0.00083	PASS
					50	-3.41890	-0.00132	PASS
			HCH	VN	-30	4.50805	0.00173	PASS
					-20	-3.60064	-0.00138	PASS
					-10	-13.95610	-0.00535	PASS
					0	-9.74027	-0.00373	PASS
					10	-9.33327	-0.00358	PASS
					20	-3.93526	-0.00151	PASS
					30	-0.97635	-0.00037	PASS
					40	-2.60581	-0.00100	PASS
					50	9.15955	0.00351	PASS

END