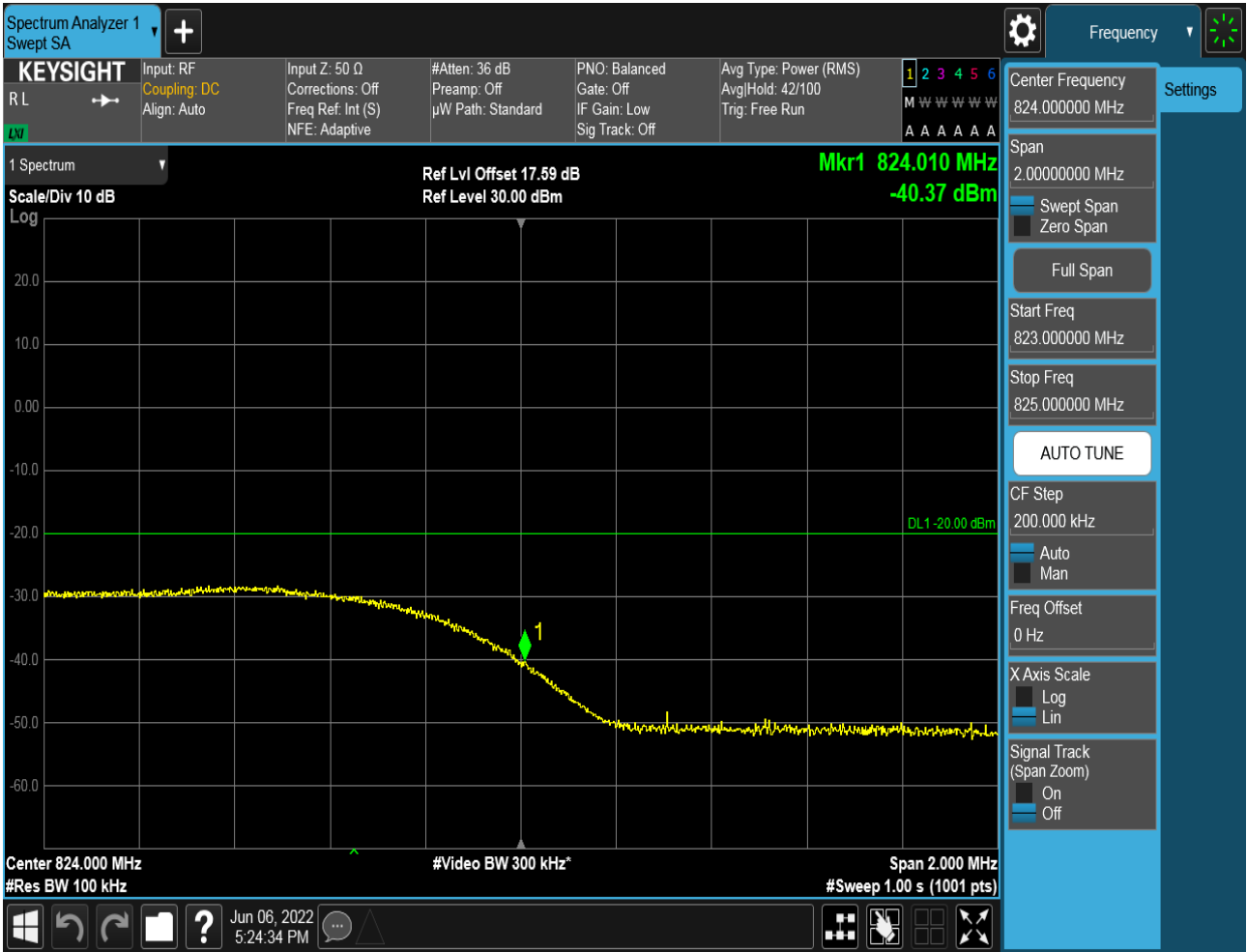




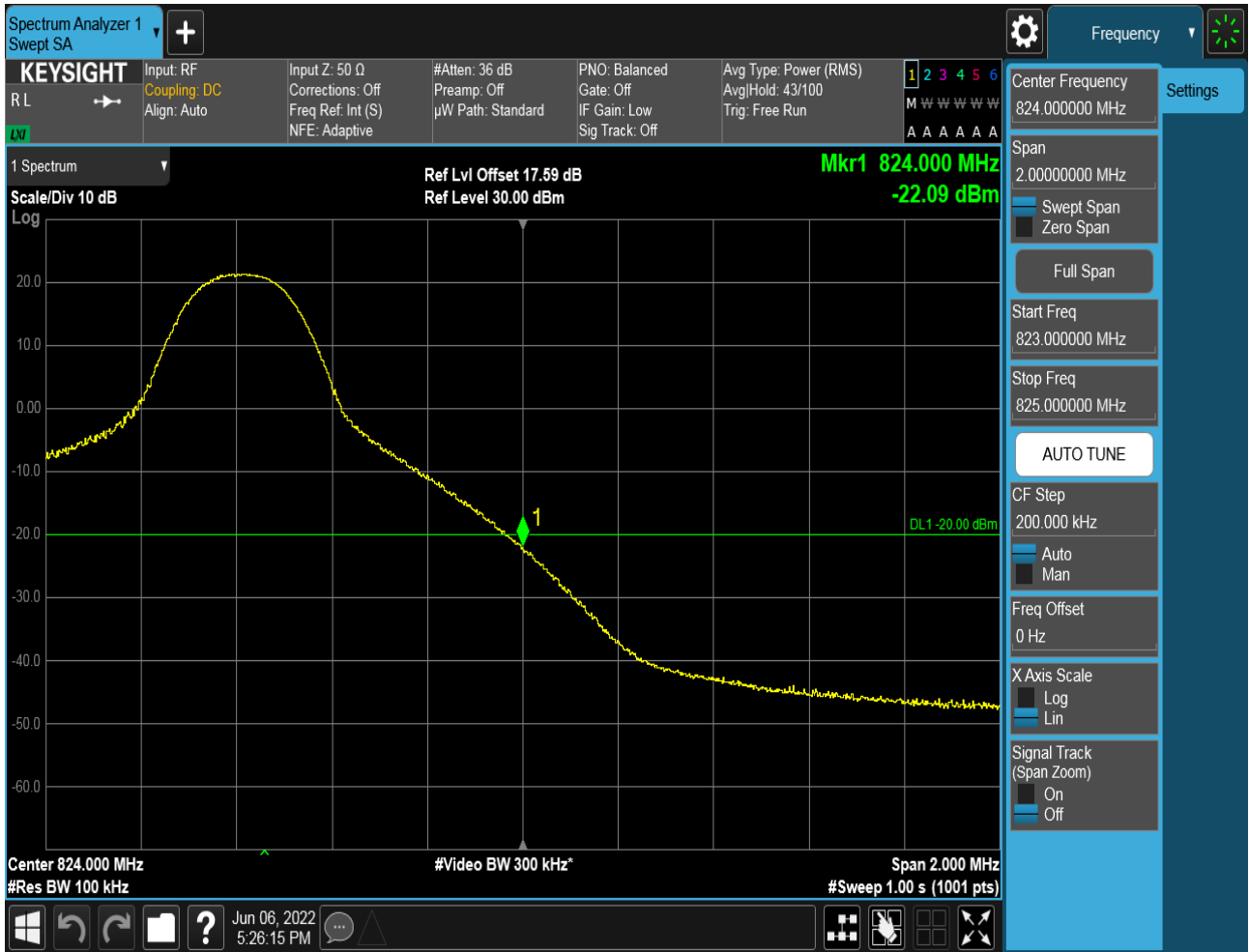
### 5.1.1.2.4.2 Test Channel = HCH

#### 5.1.1.2.4.2.1 Test RB = RB1#0





### 5.1.1.2.4.2.2 Test RB = RB1#49





### 5.1.1.2.4.2.3 Test RB = RB25#13





### 5.1.1.2.4.2.4 Test RB = RB50#0





## 6Appendix\_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

### Part I - Test Plots

#### 6.1 For LTE

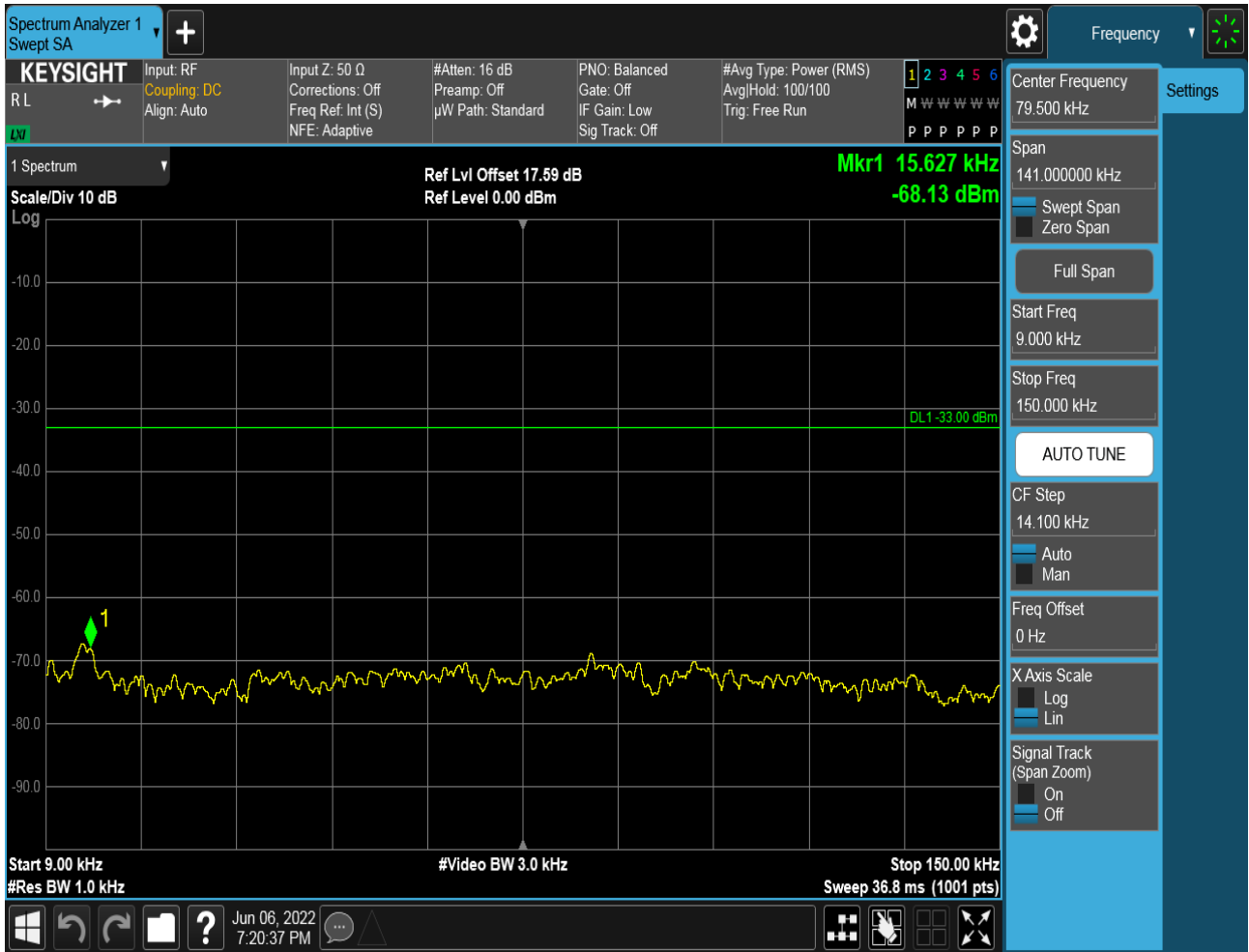
##### 6.1.1 Test Band = Band26\_A

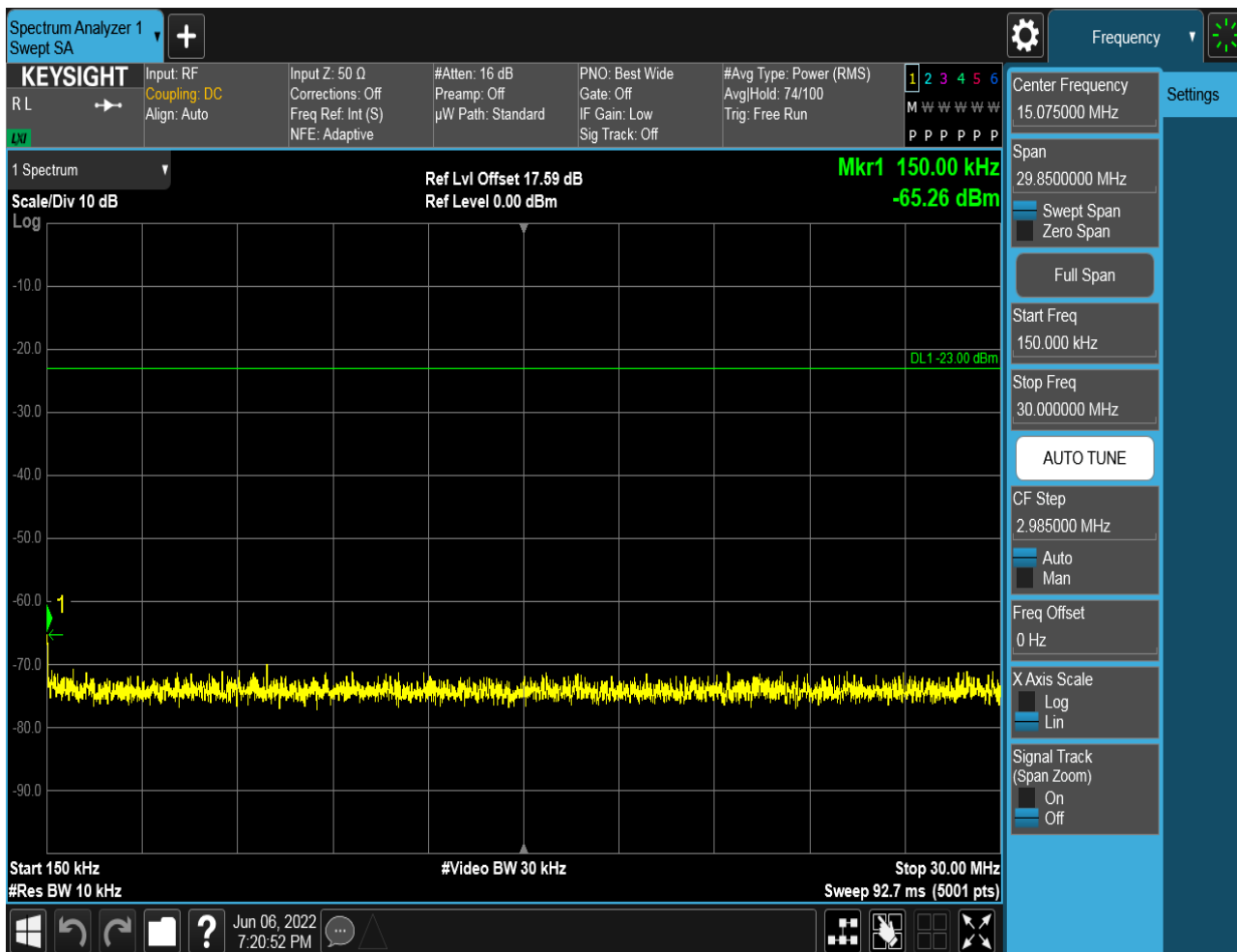
##### 6.1.1.1 Test Mode = LTE/TM1

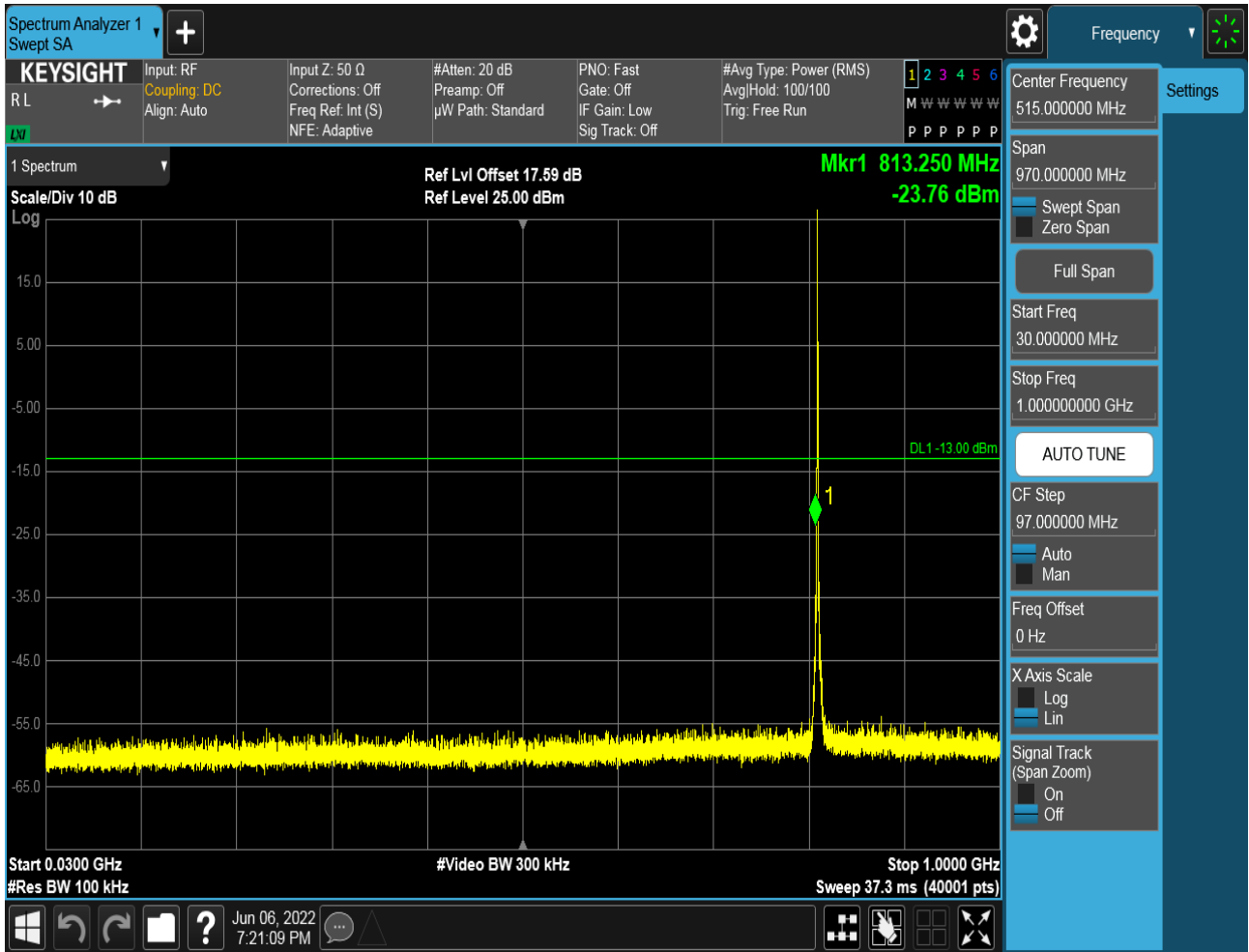
##### 6.1.1.1.1 Test Bandwidth = 1.4MHz

##### 6.1.1.1.1.1 Test Channel = LCH

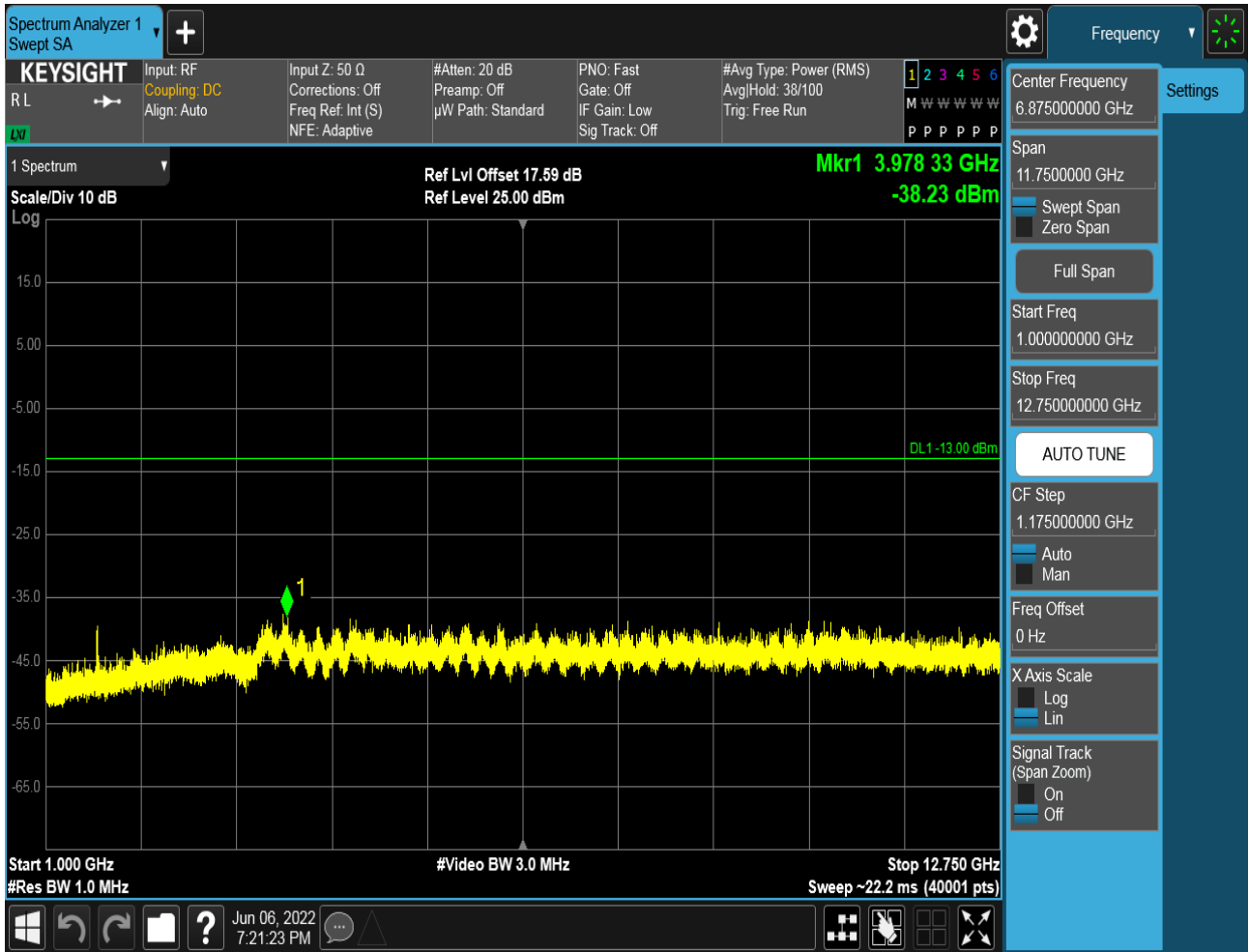
##### 6.1.1.1.1.1.1 Test RB = RB1#0







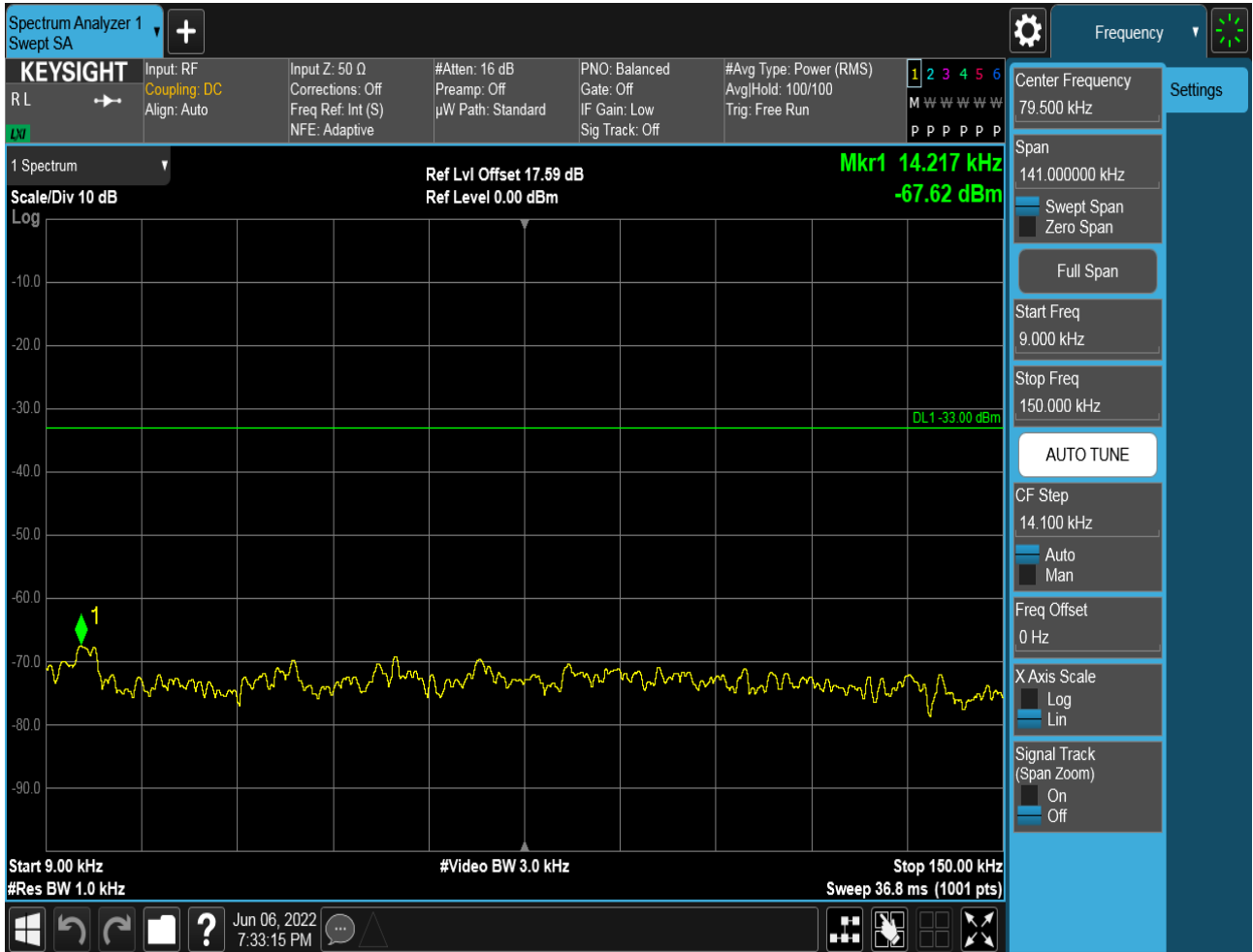


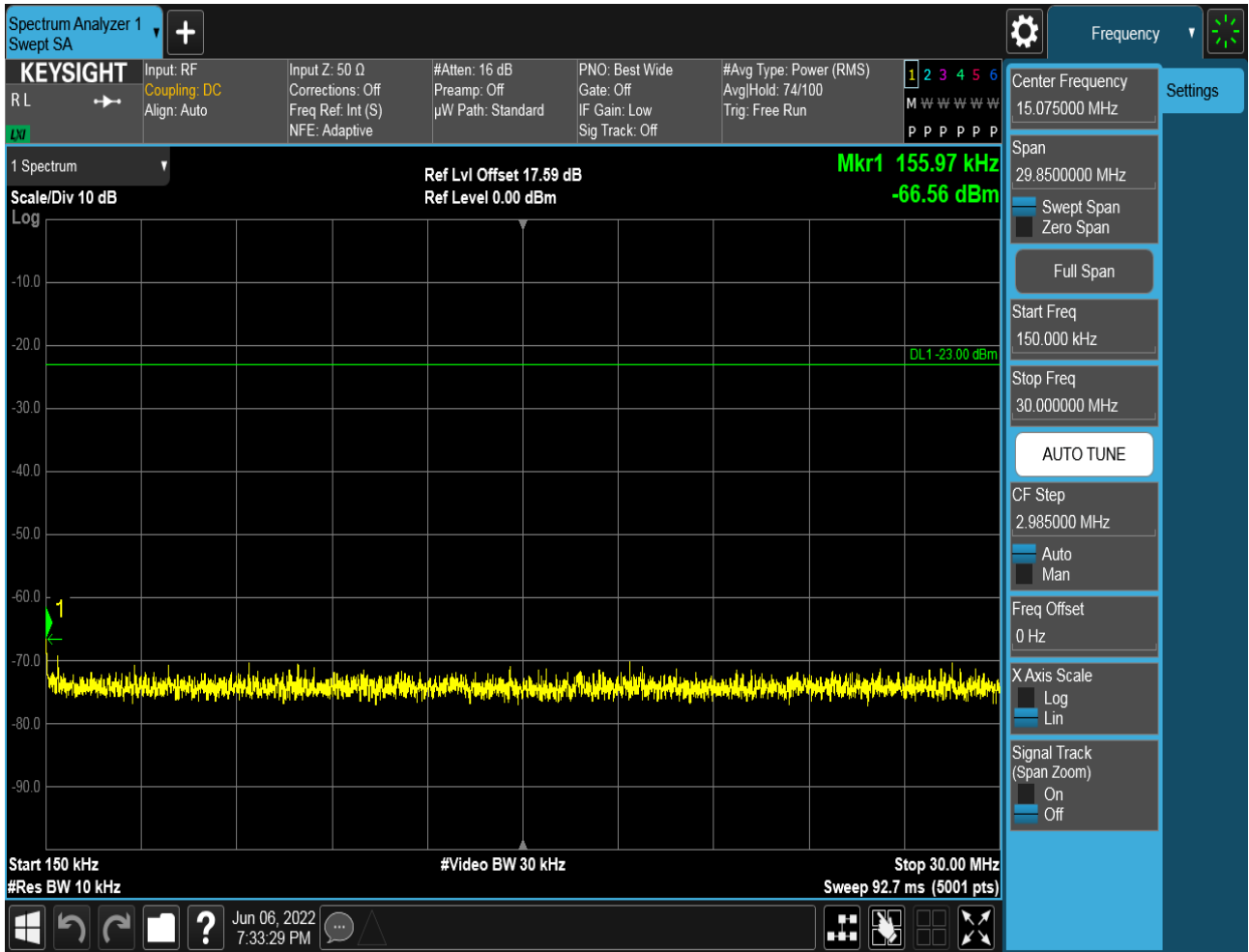


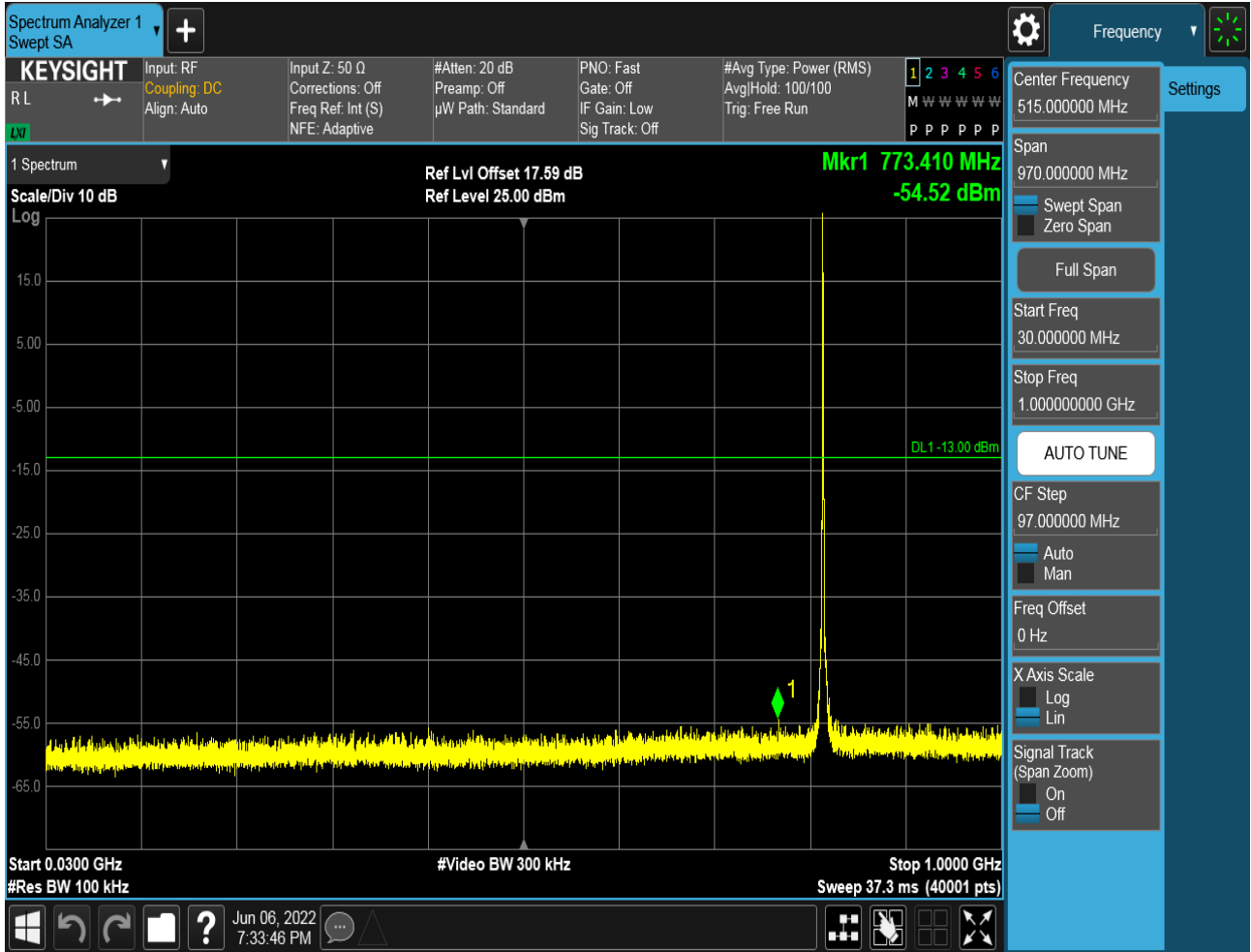


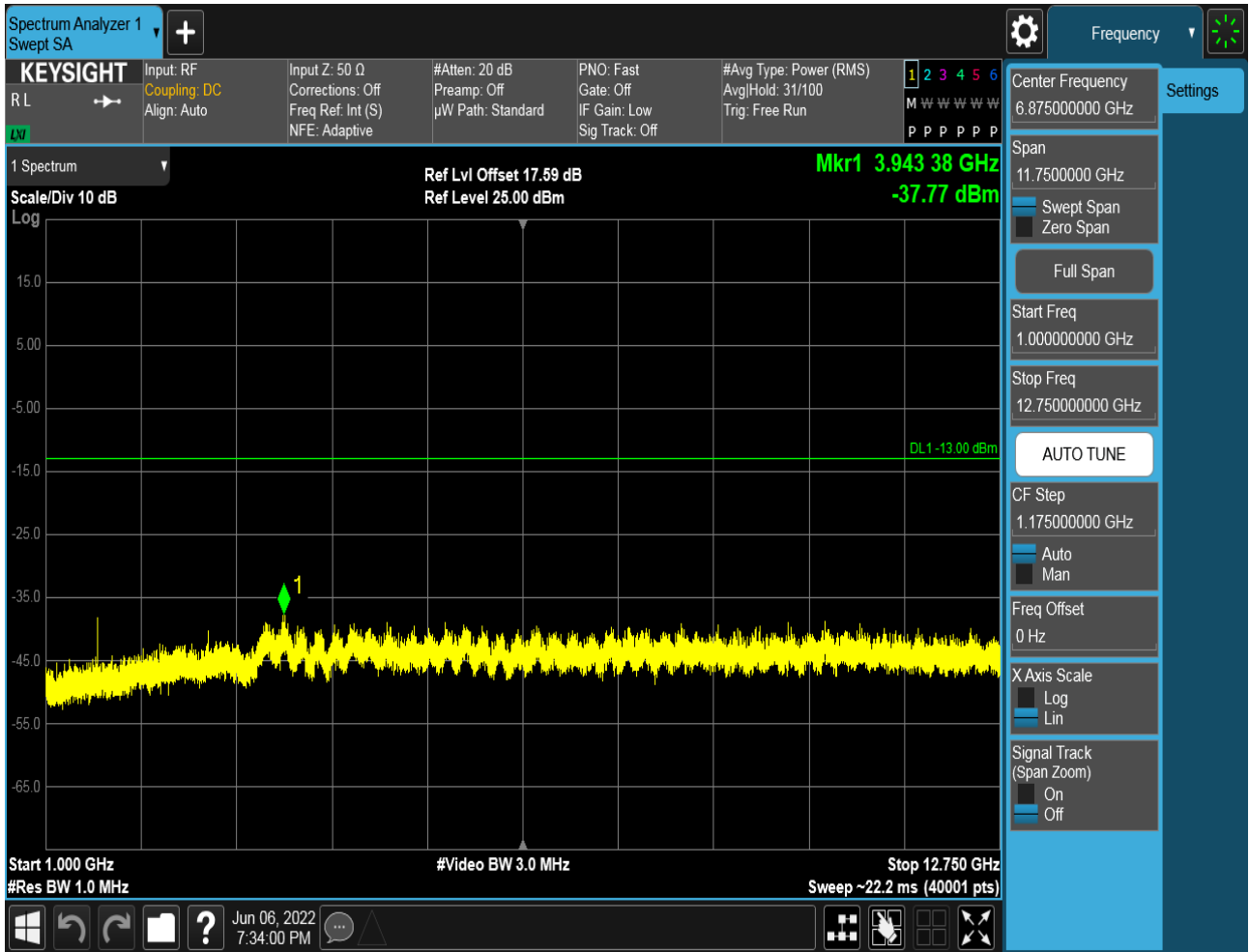
### 6.1.1.1.1.2 Test Channel = MCH

#### 6.1.1.1.1.2.1 Test RB = RB1#0





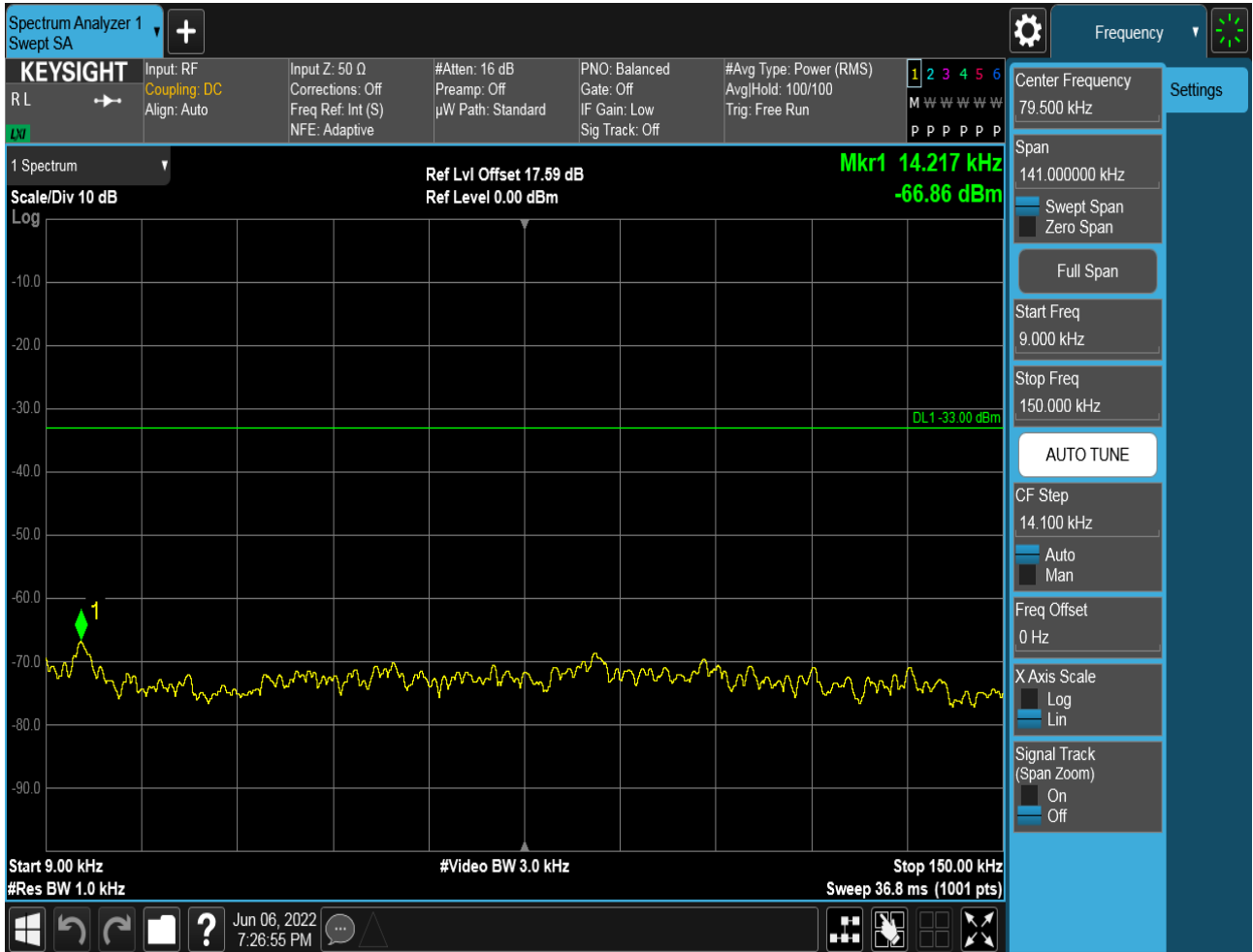


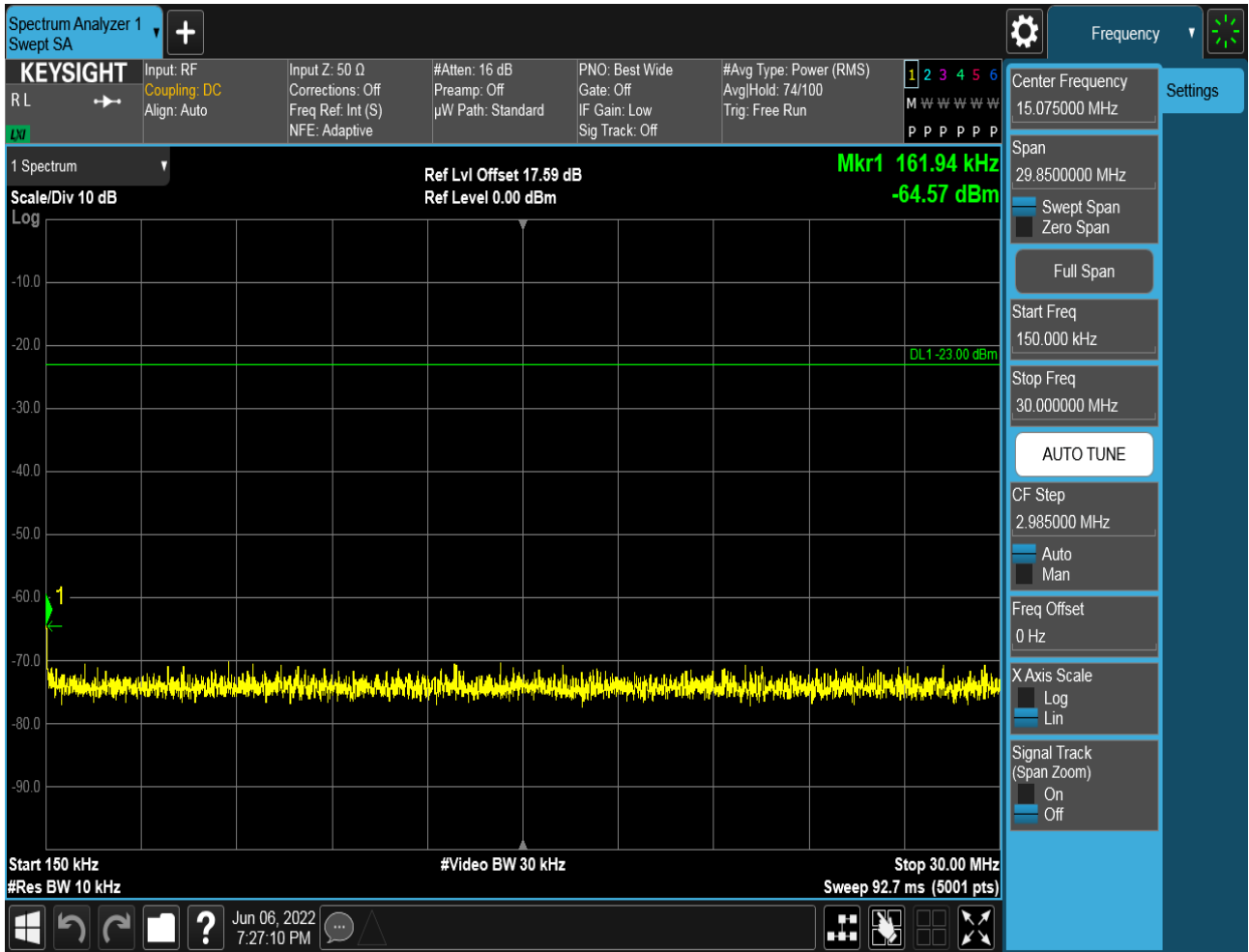


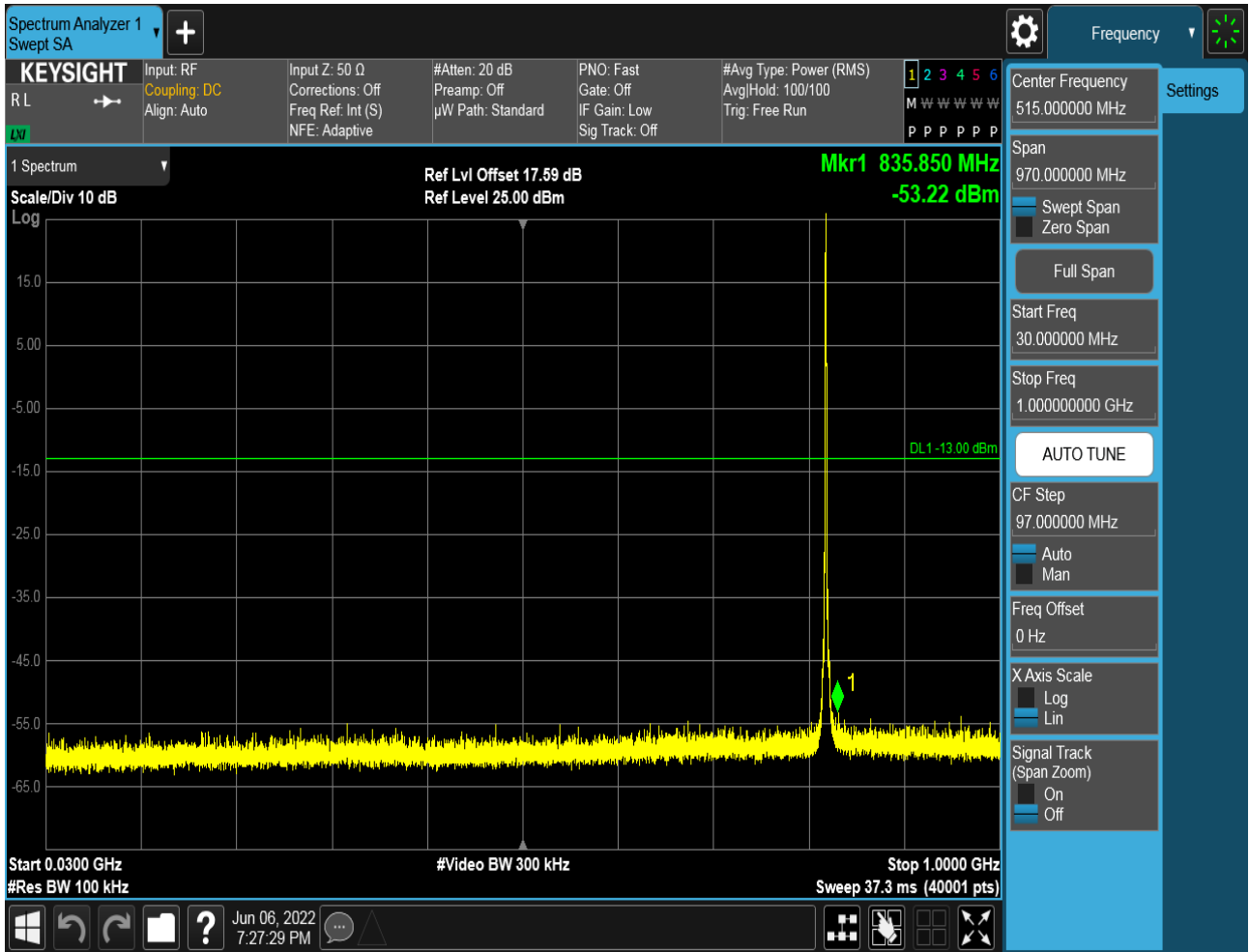


### 6.1.1.1.1.3 Test Channel = HCH

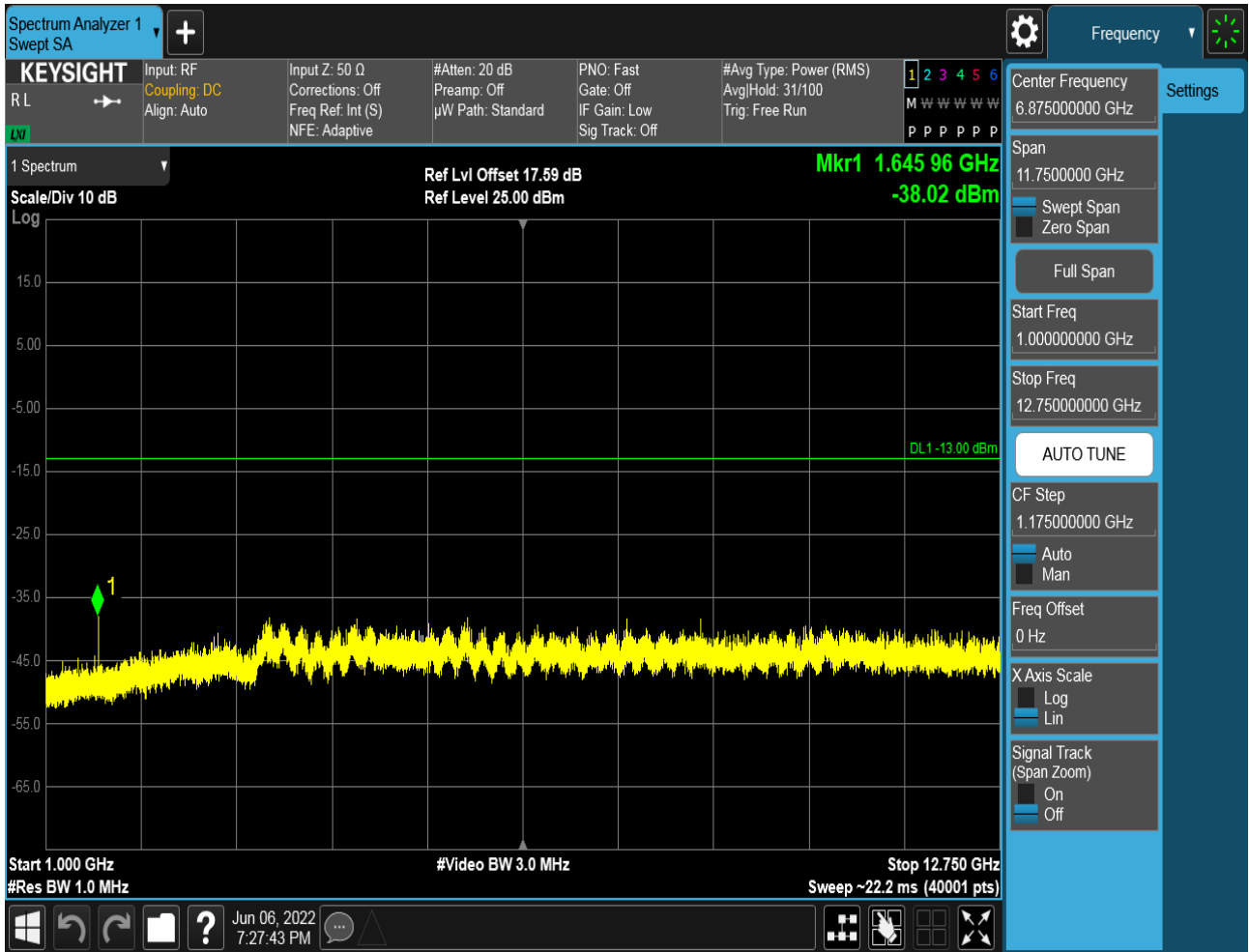
#### 6.1.1.1.1.3.1 Test RB = RB1#0









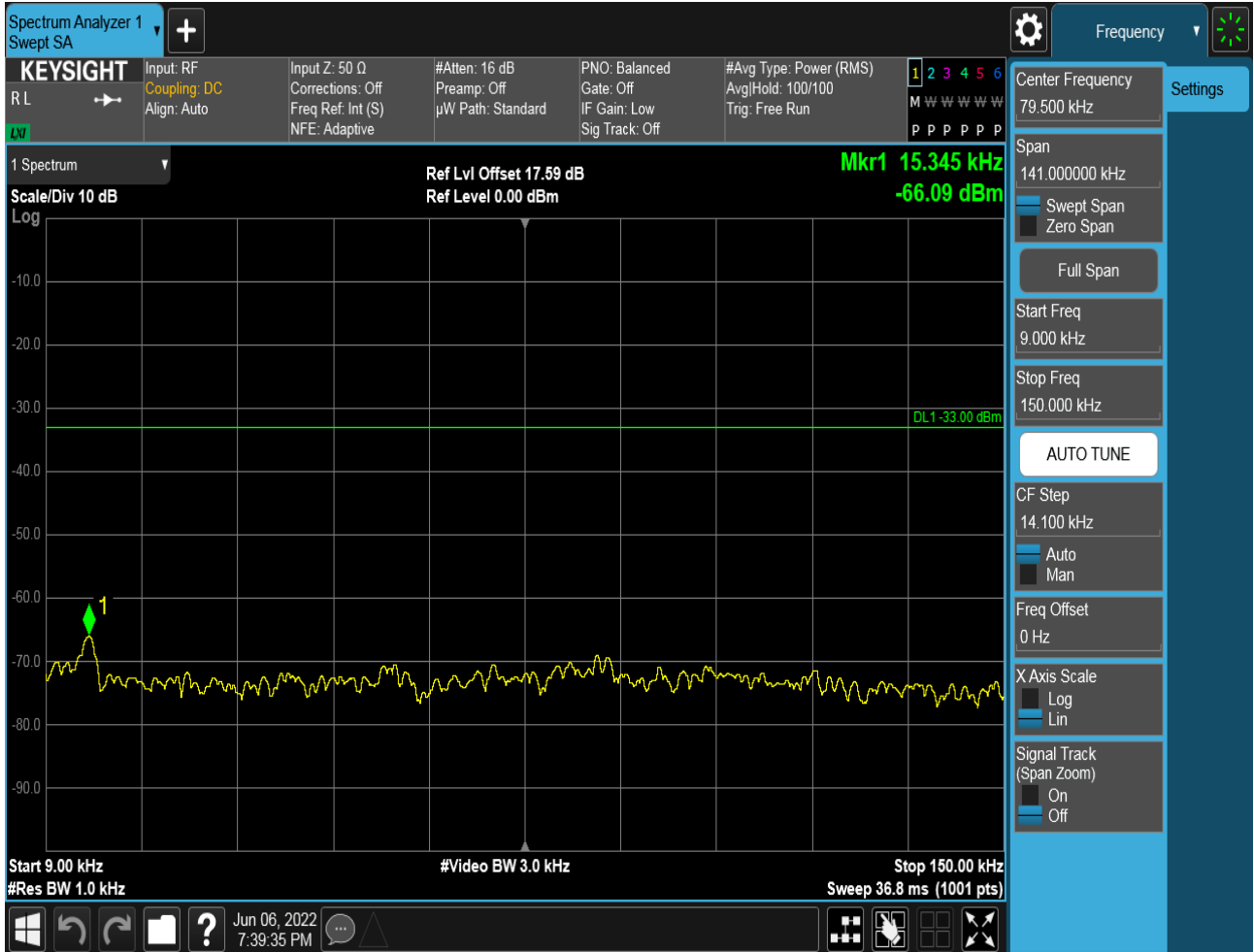


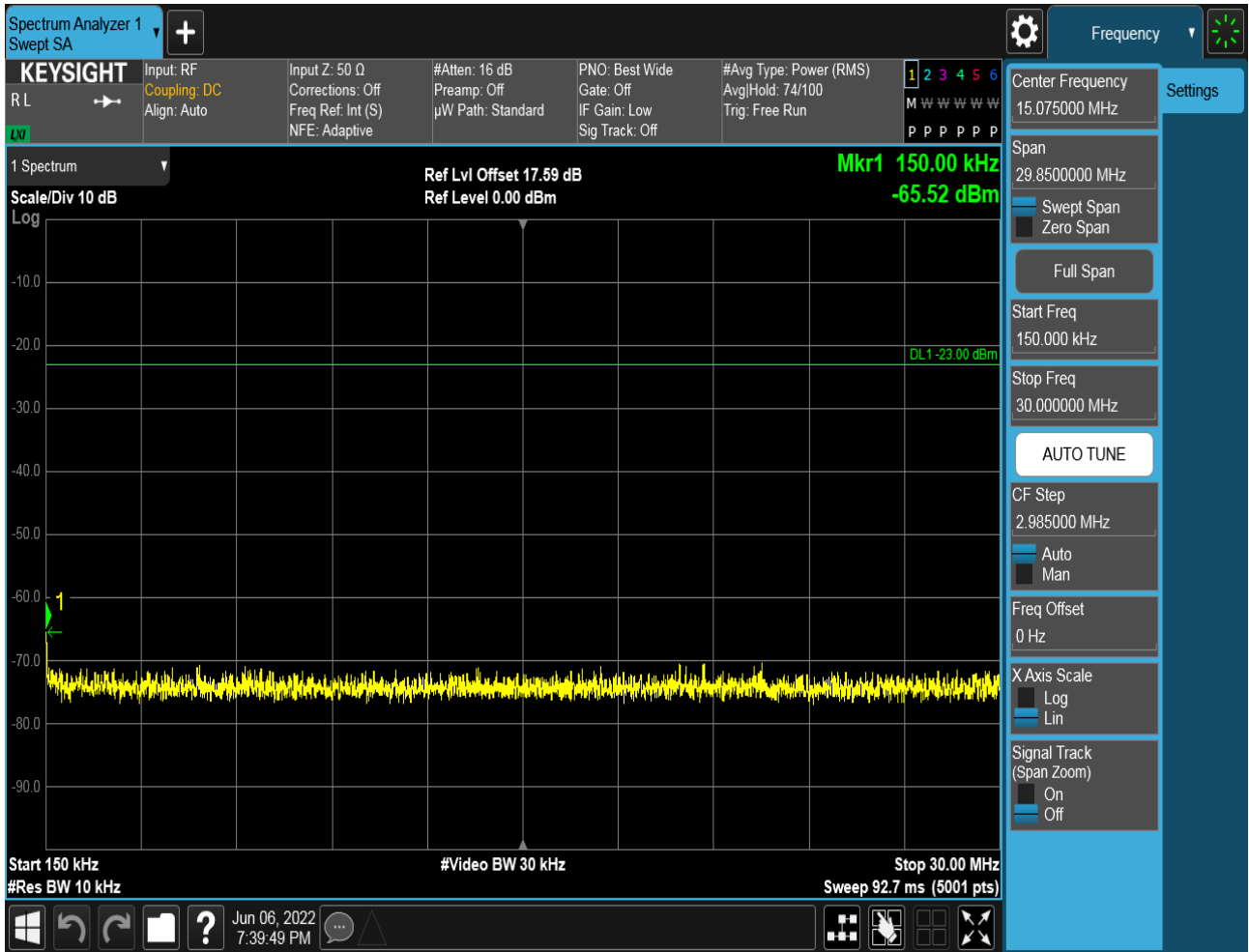


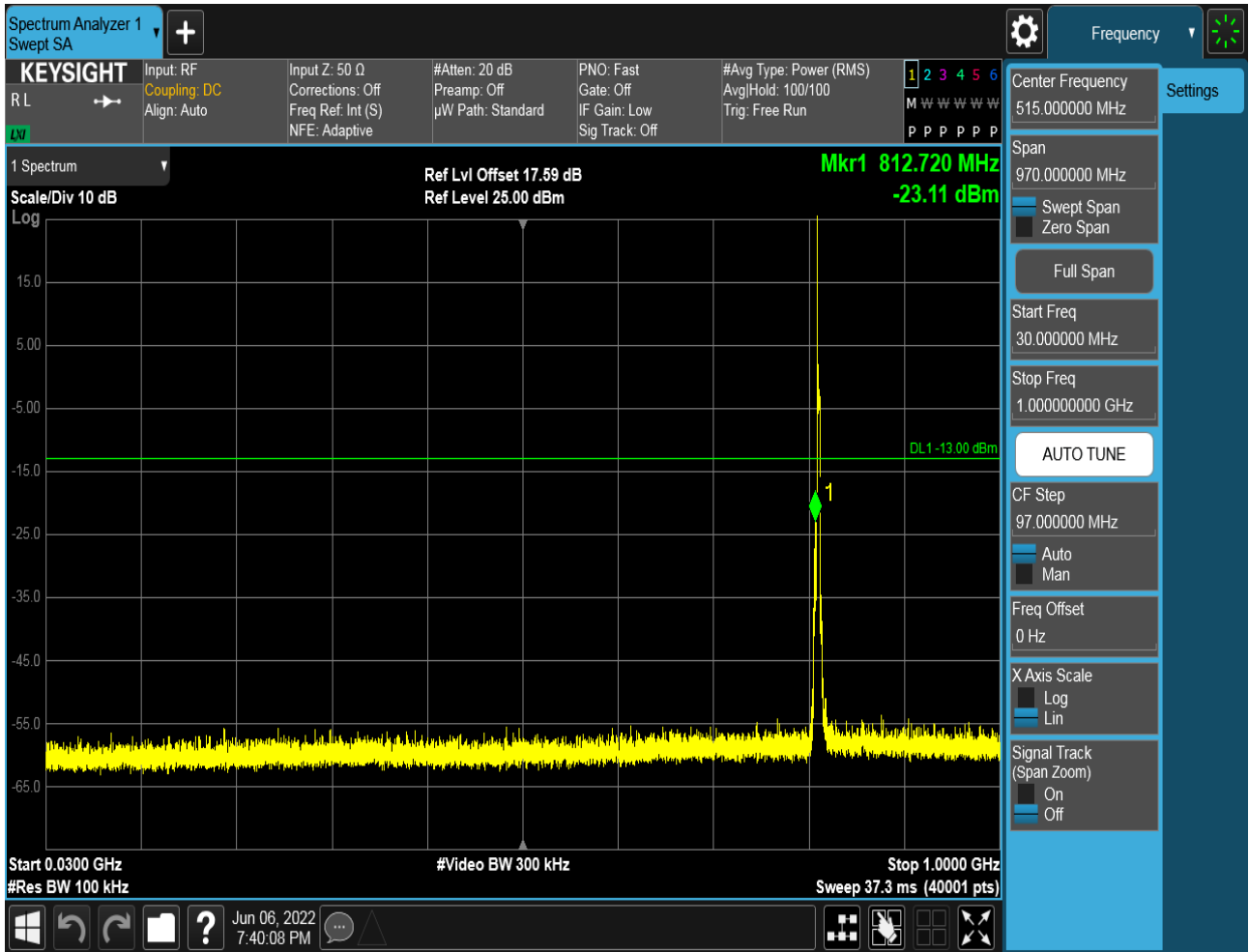
### 6.2.1.1.2 Test Bandwidth = 3MHz

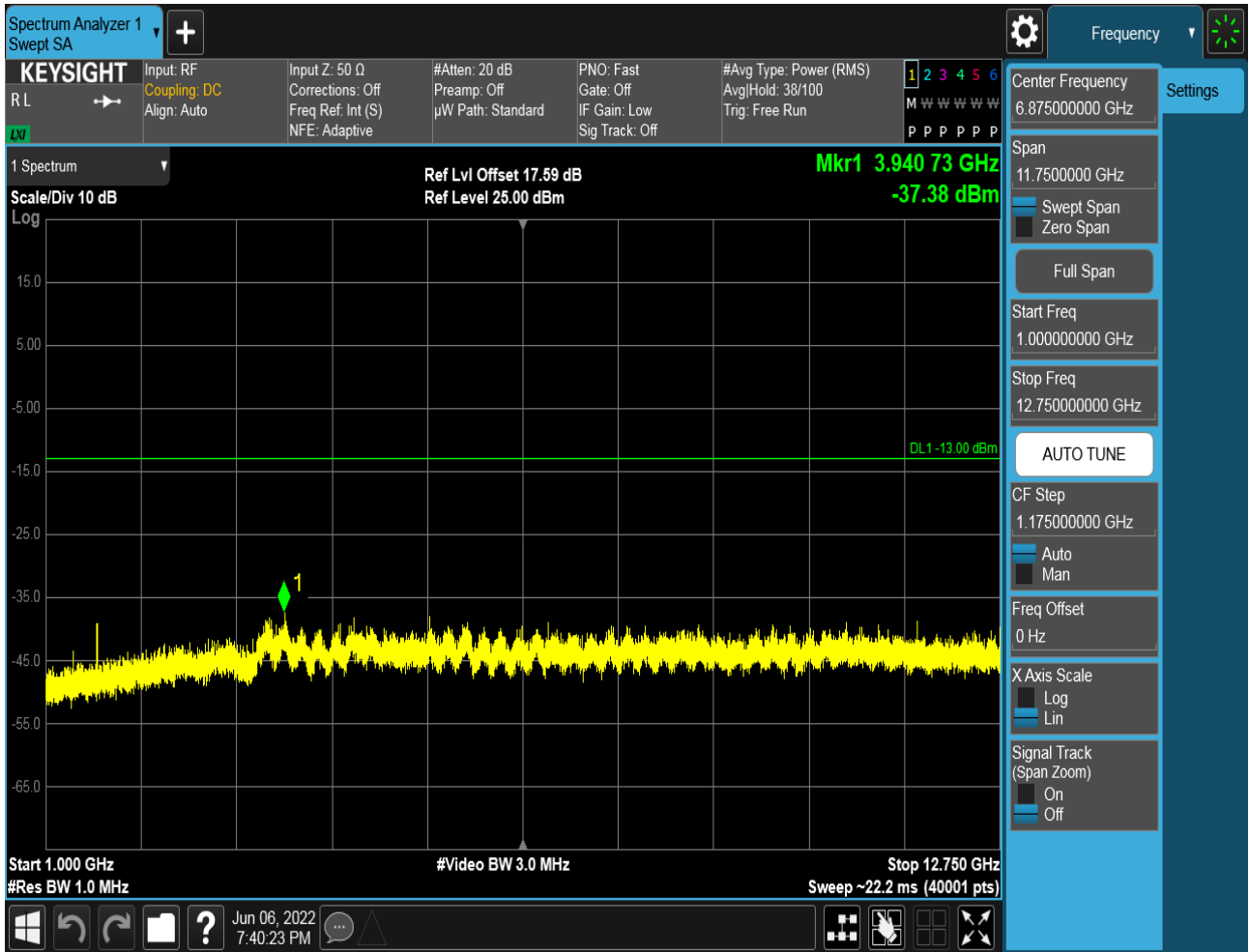
#### 6.2.1.1.2.1 Test Channel = LCH

##### 6.2.1.1.2.1.1 Test RB = RB1#0





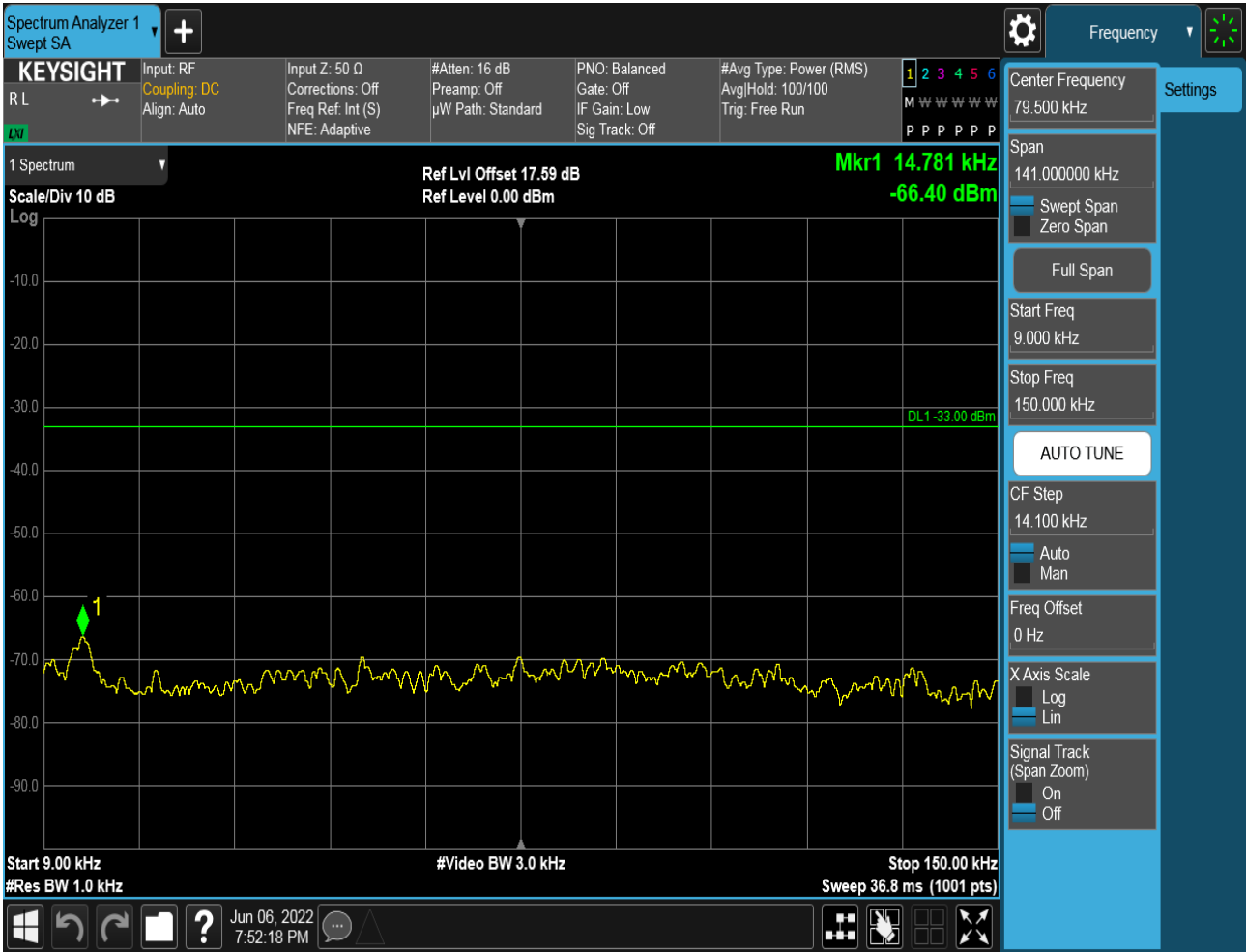


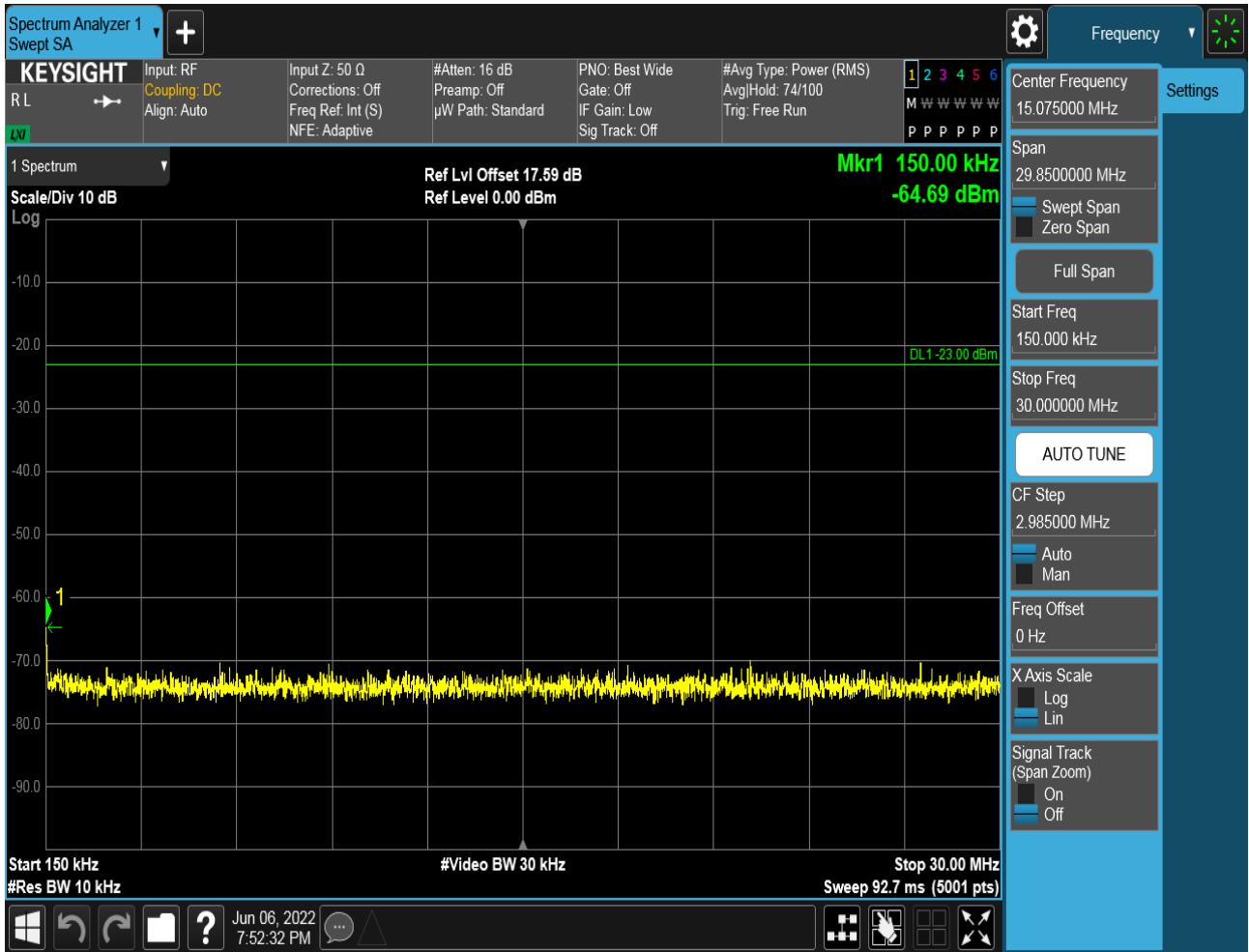


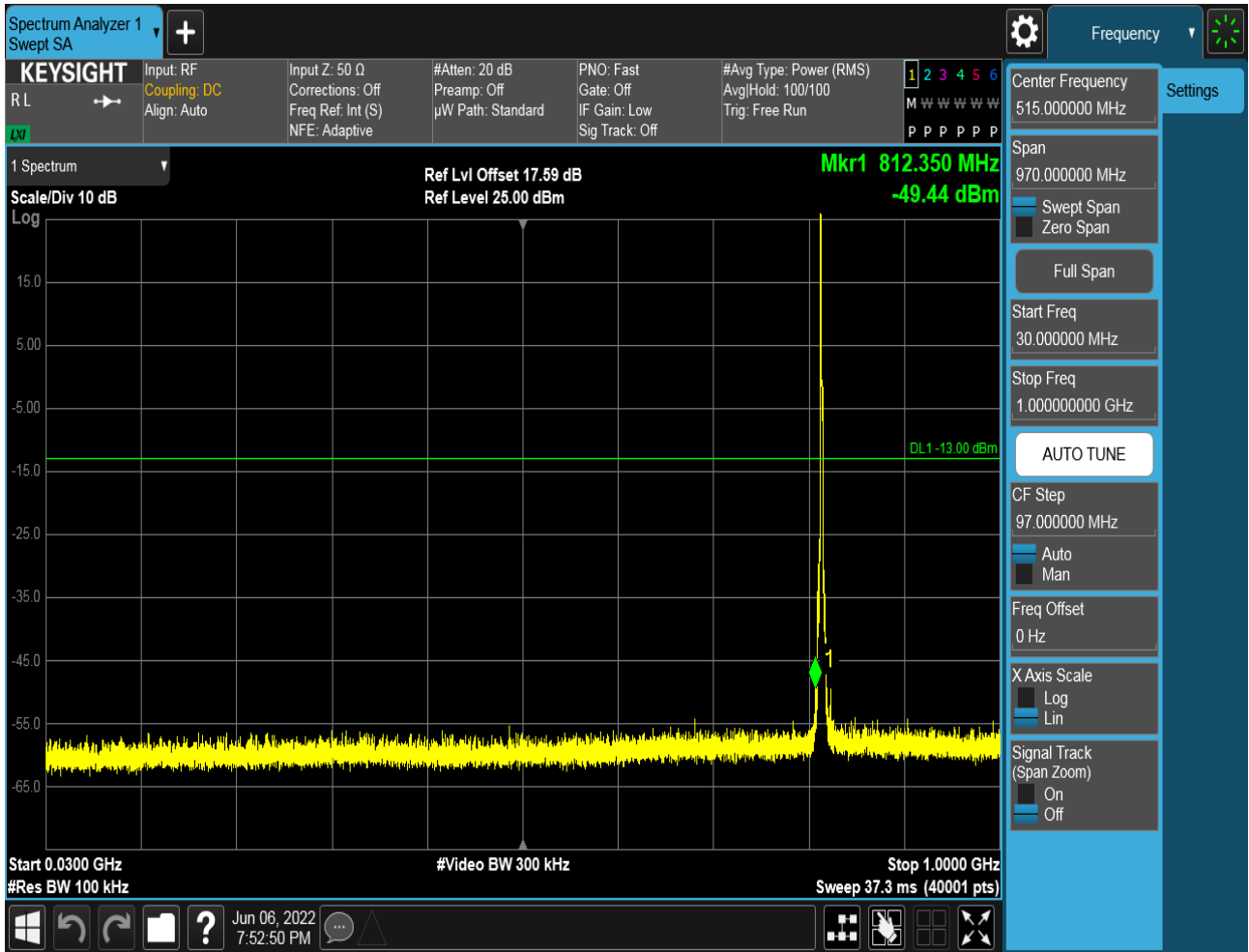


### 6.2.1.1.2.2 Test Channel = MCH

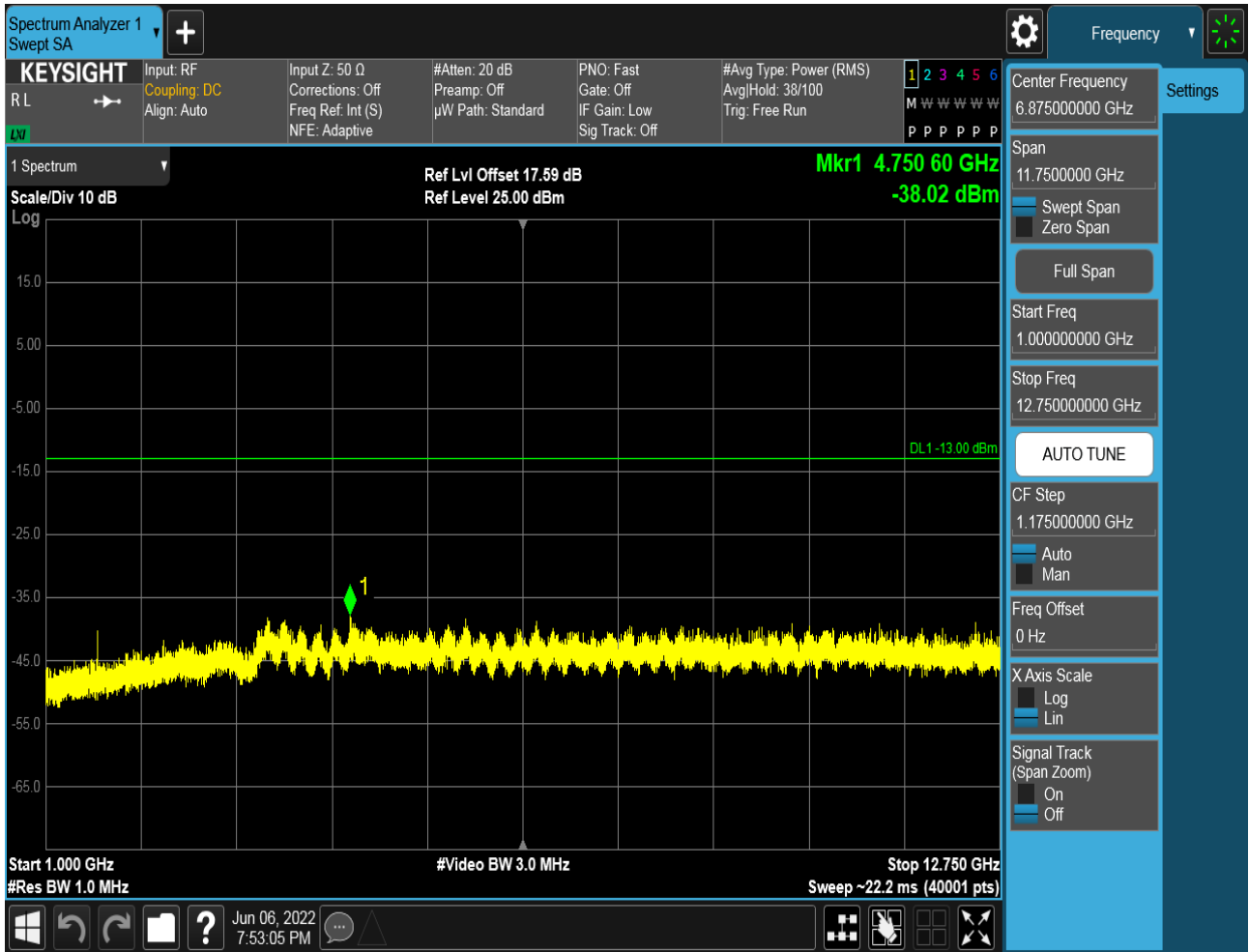
#### 6.2.1.1.2.2.1 Test RB = RB1#0







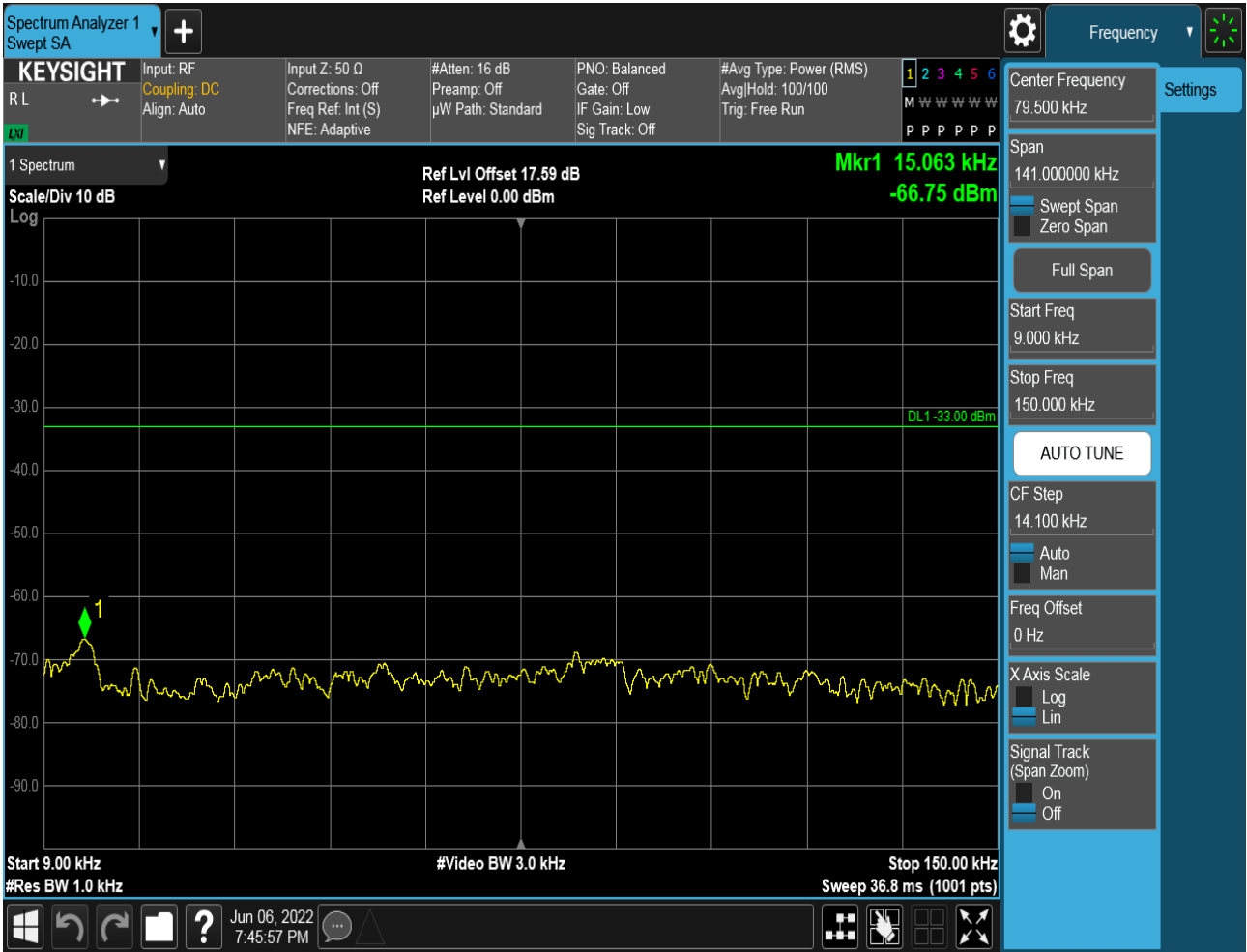


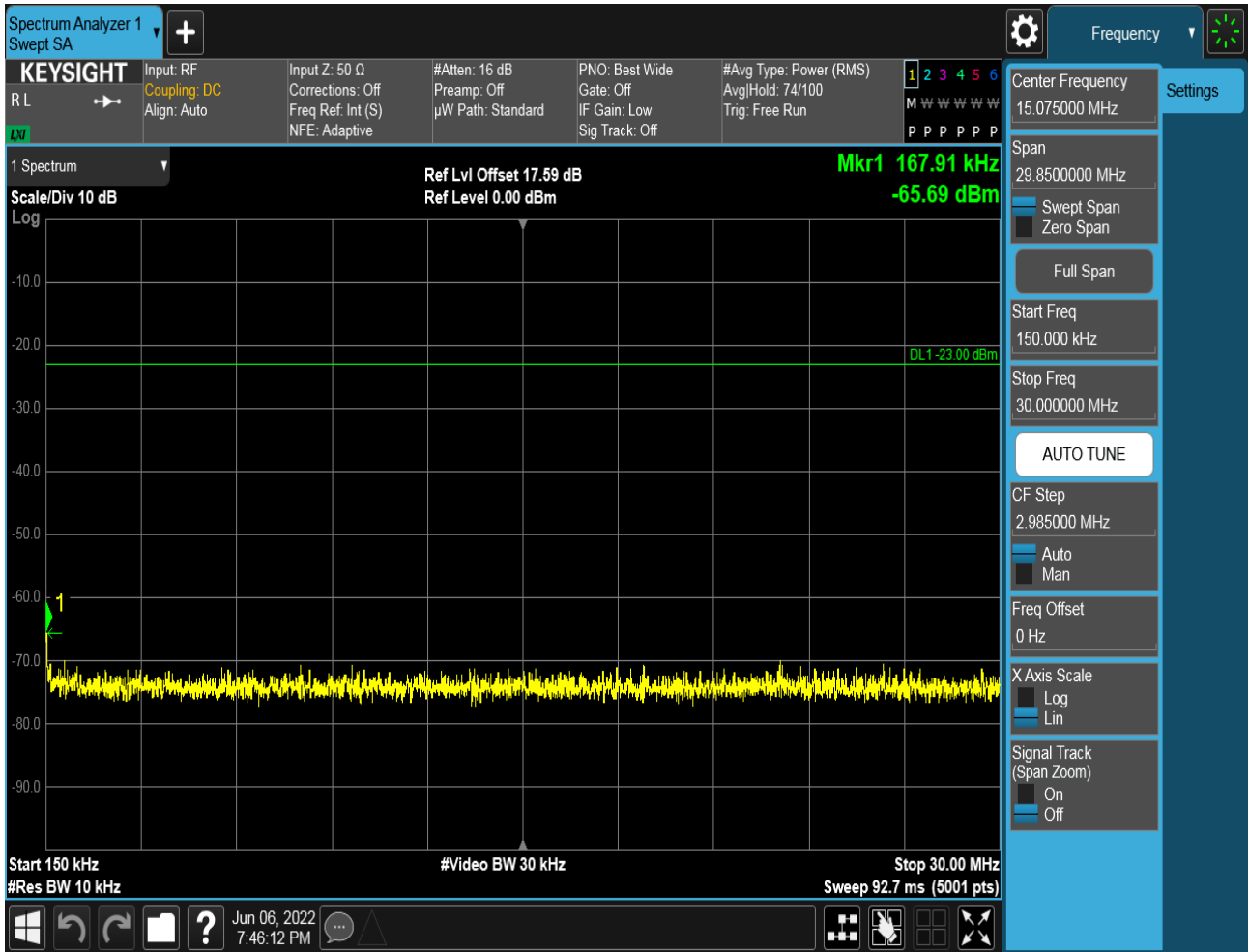


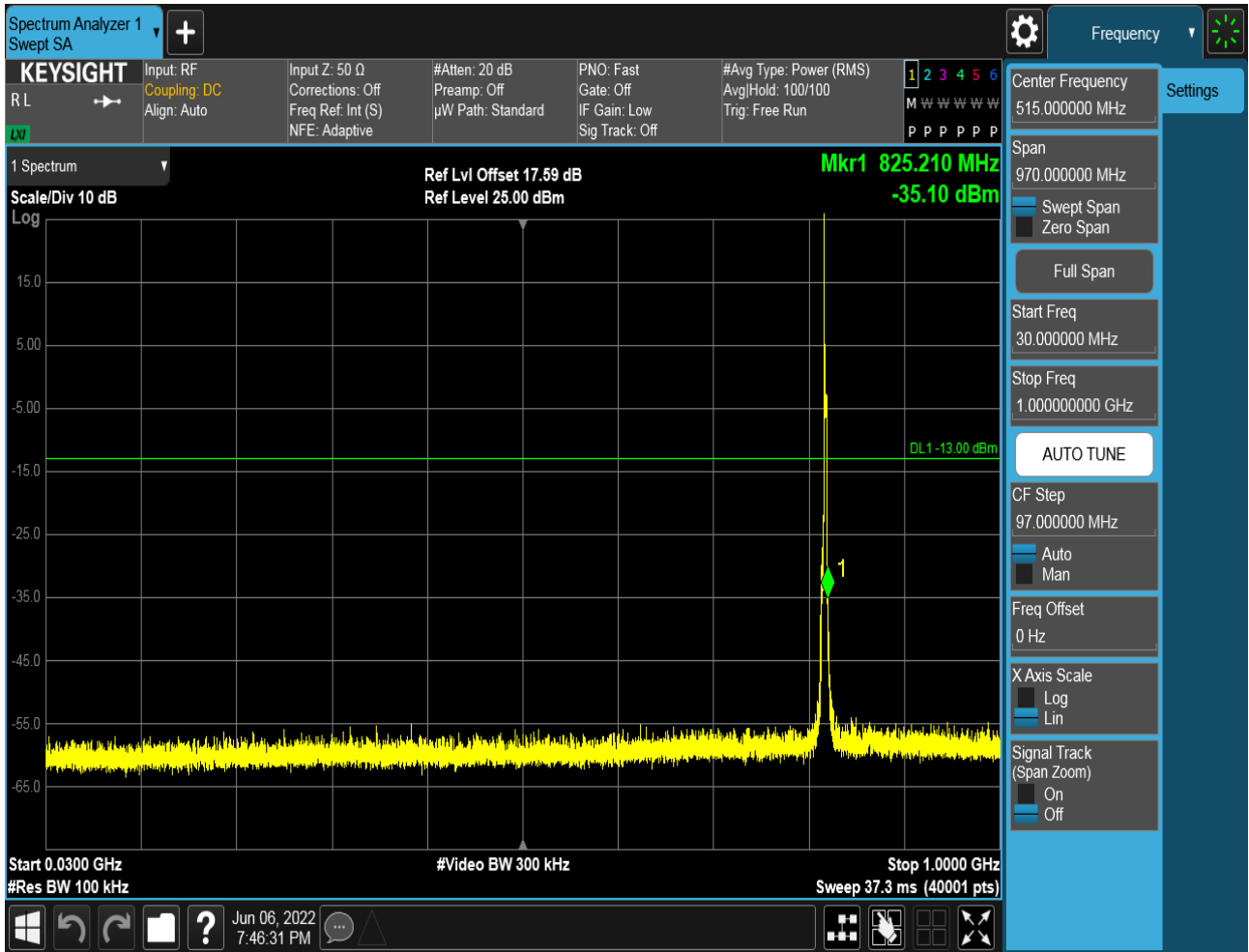


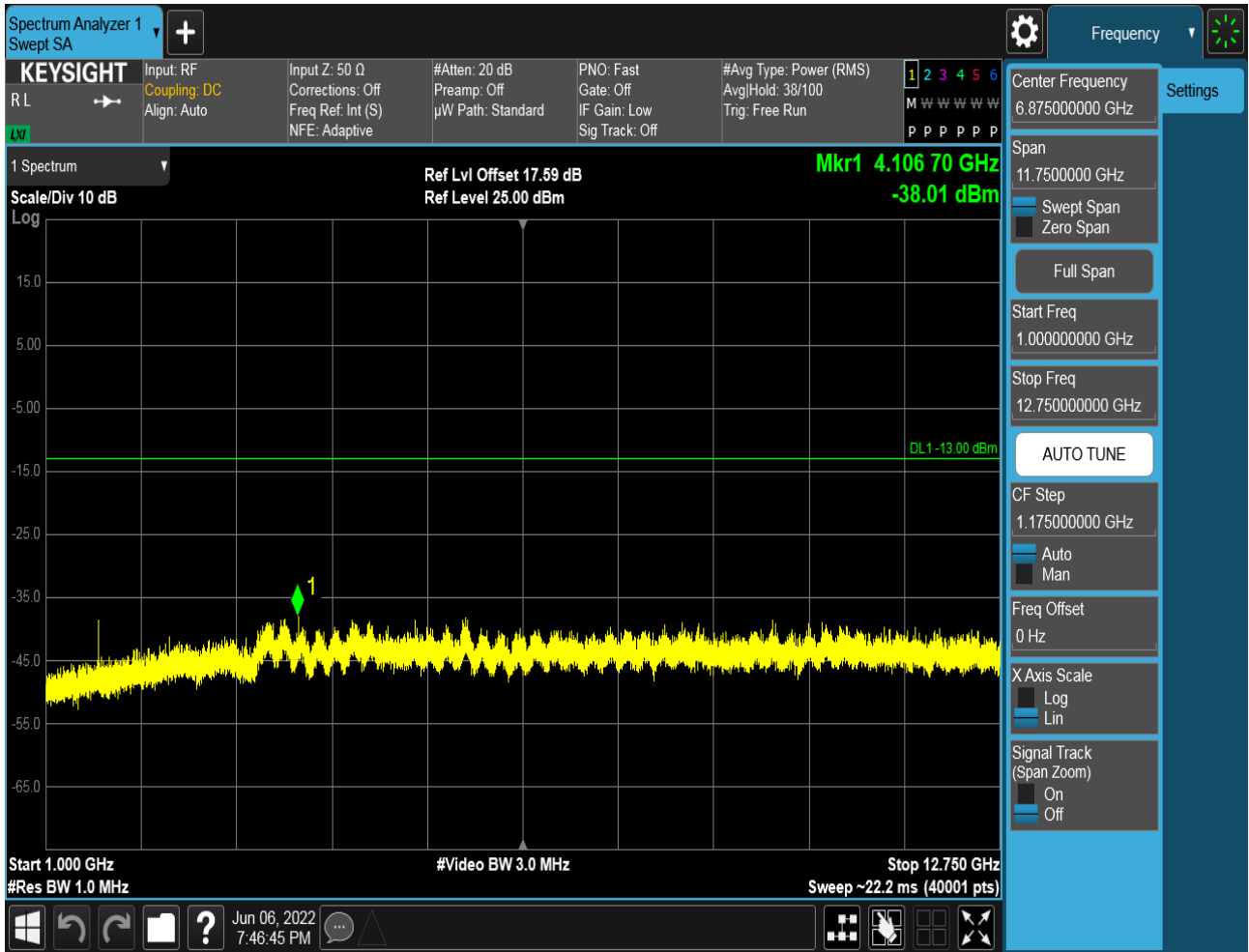
### 6.2.1.1.2.3 Test Channel = HCH

#### 6.2.1.1.2.3.1 Test RB = RB1#0







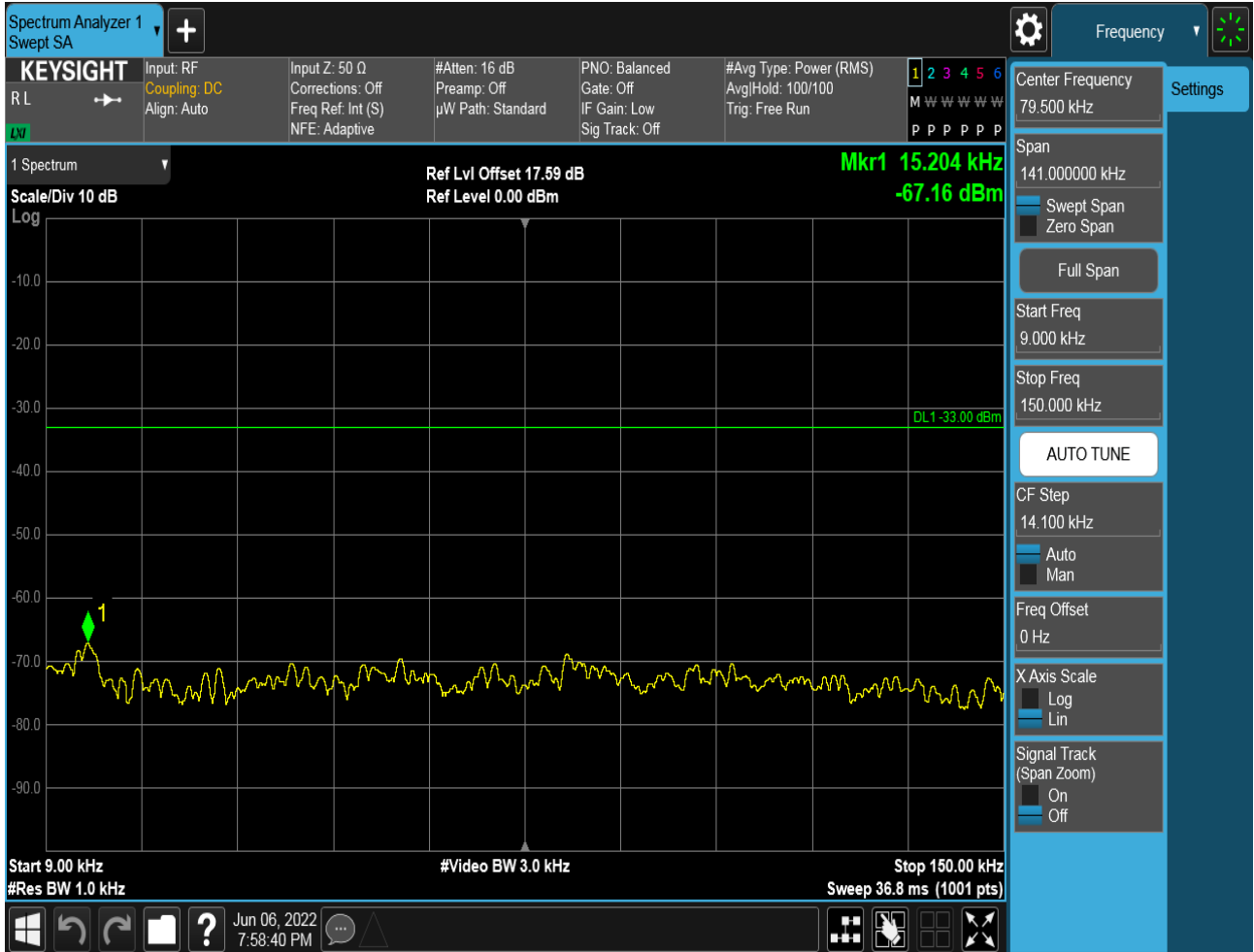


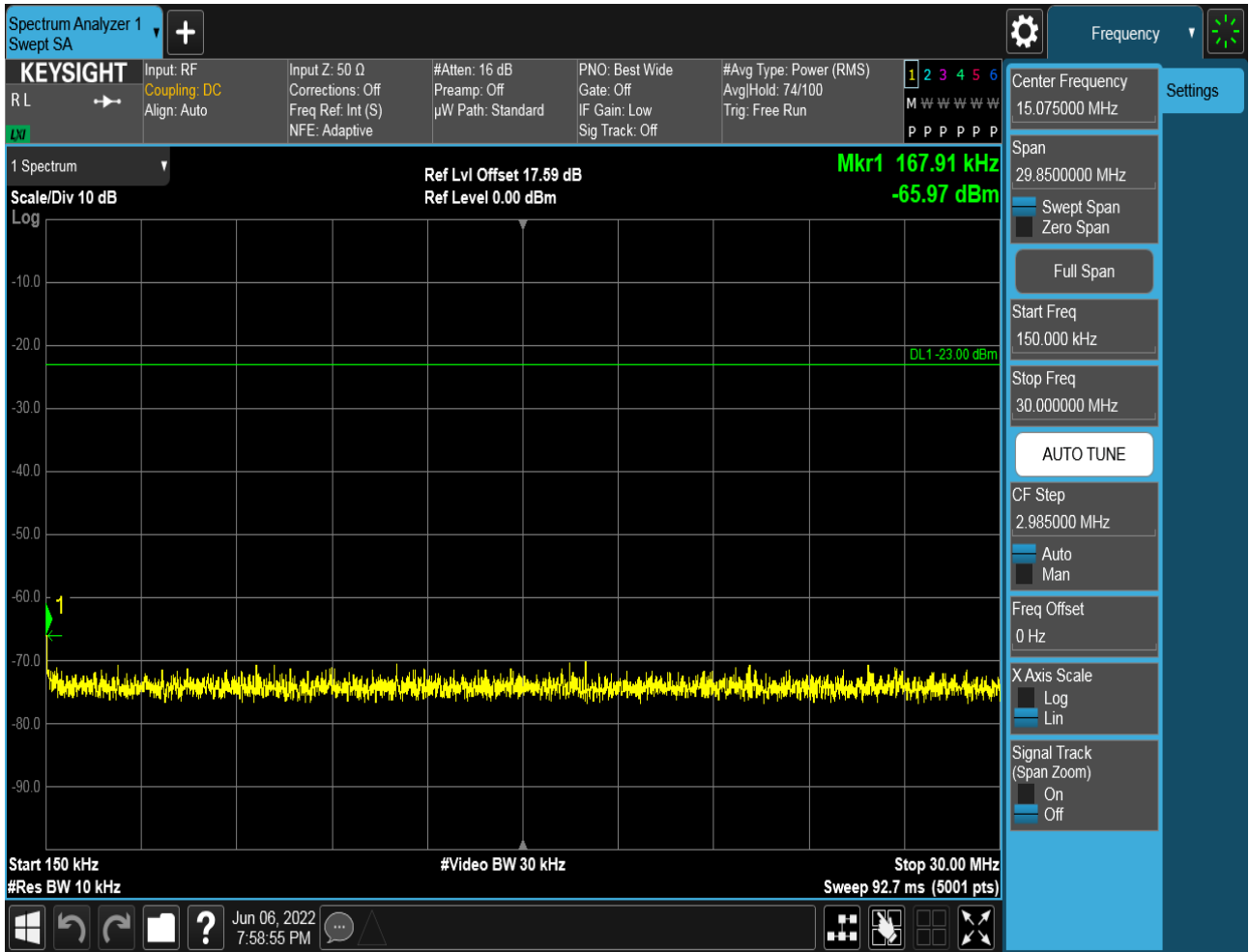


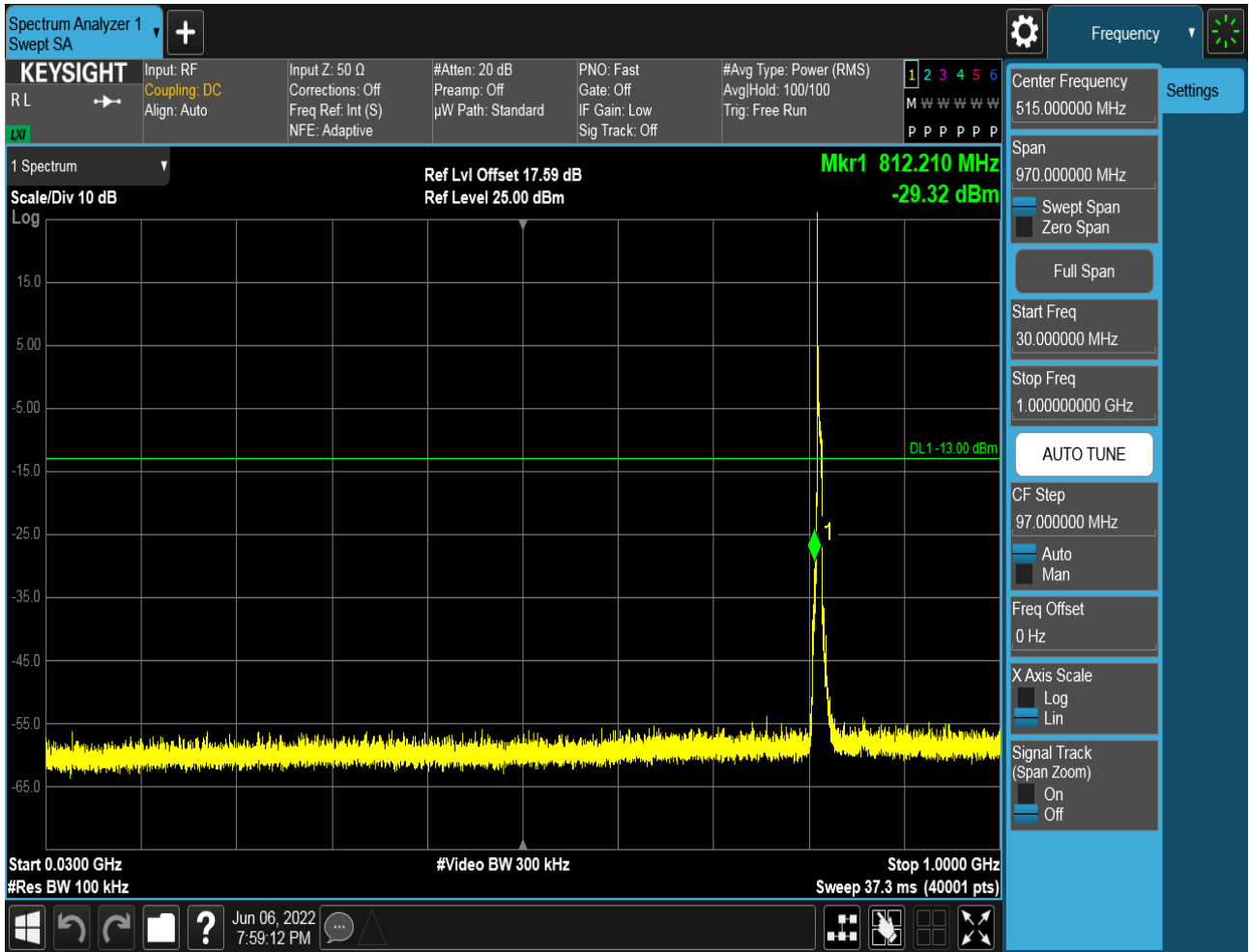
### 6.2.1.1.3 Test Bandwidth = 5MHz

#### 6.2.1.1.3.1 Test Channel = LCH

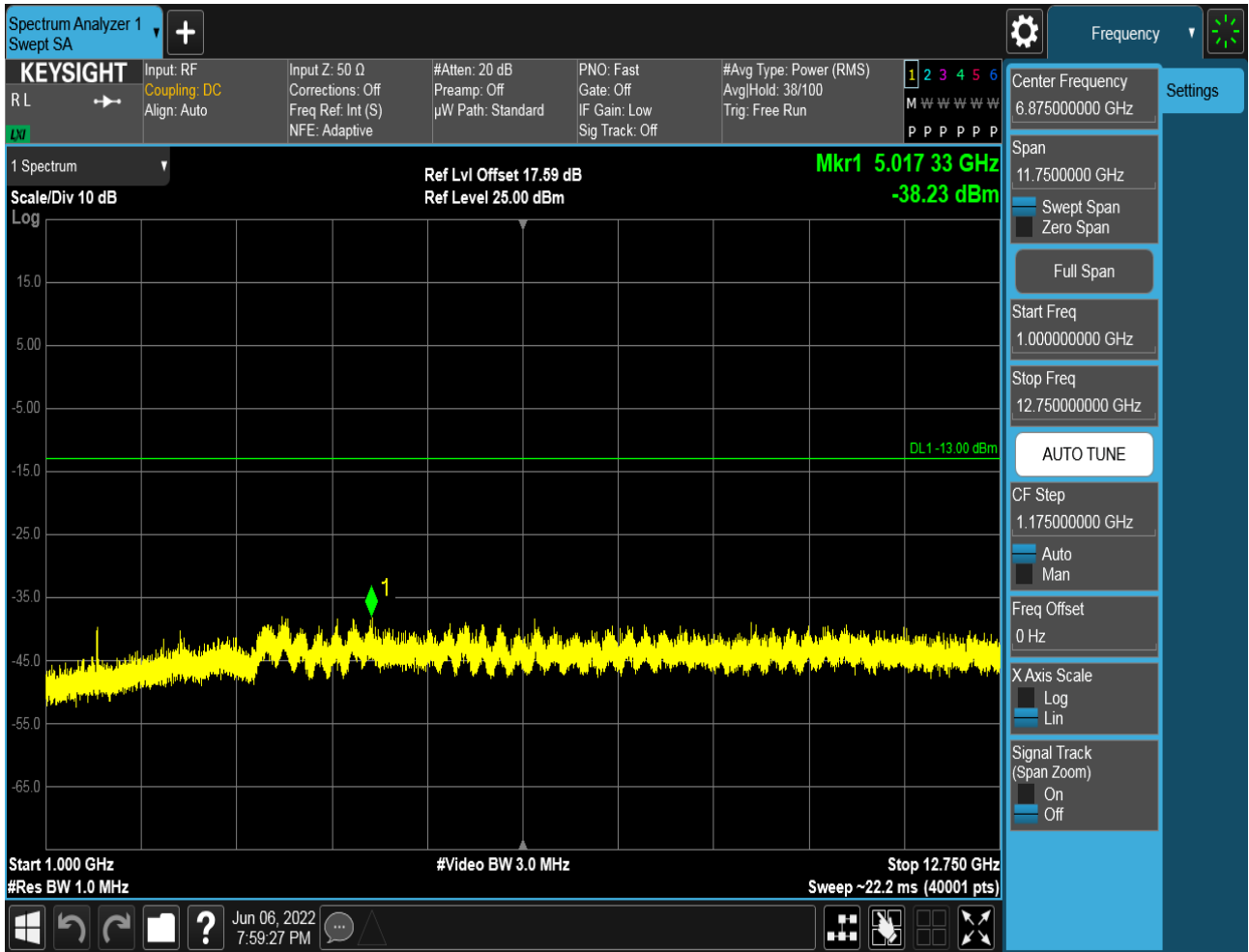
##### 6.2.1.1.3.1.1 Test RB = RB1#0







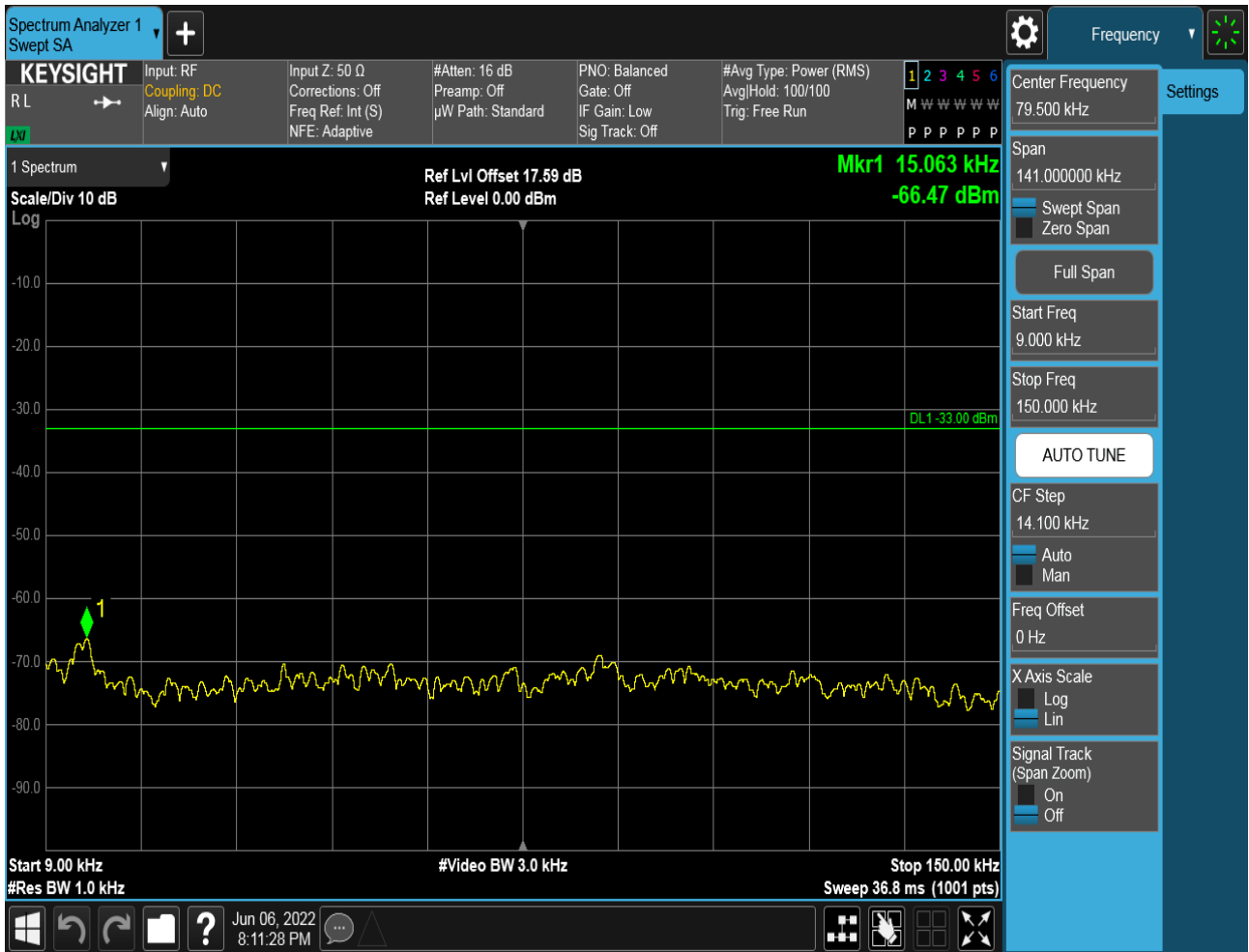


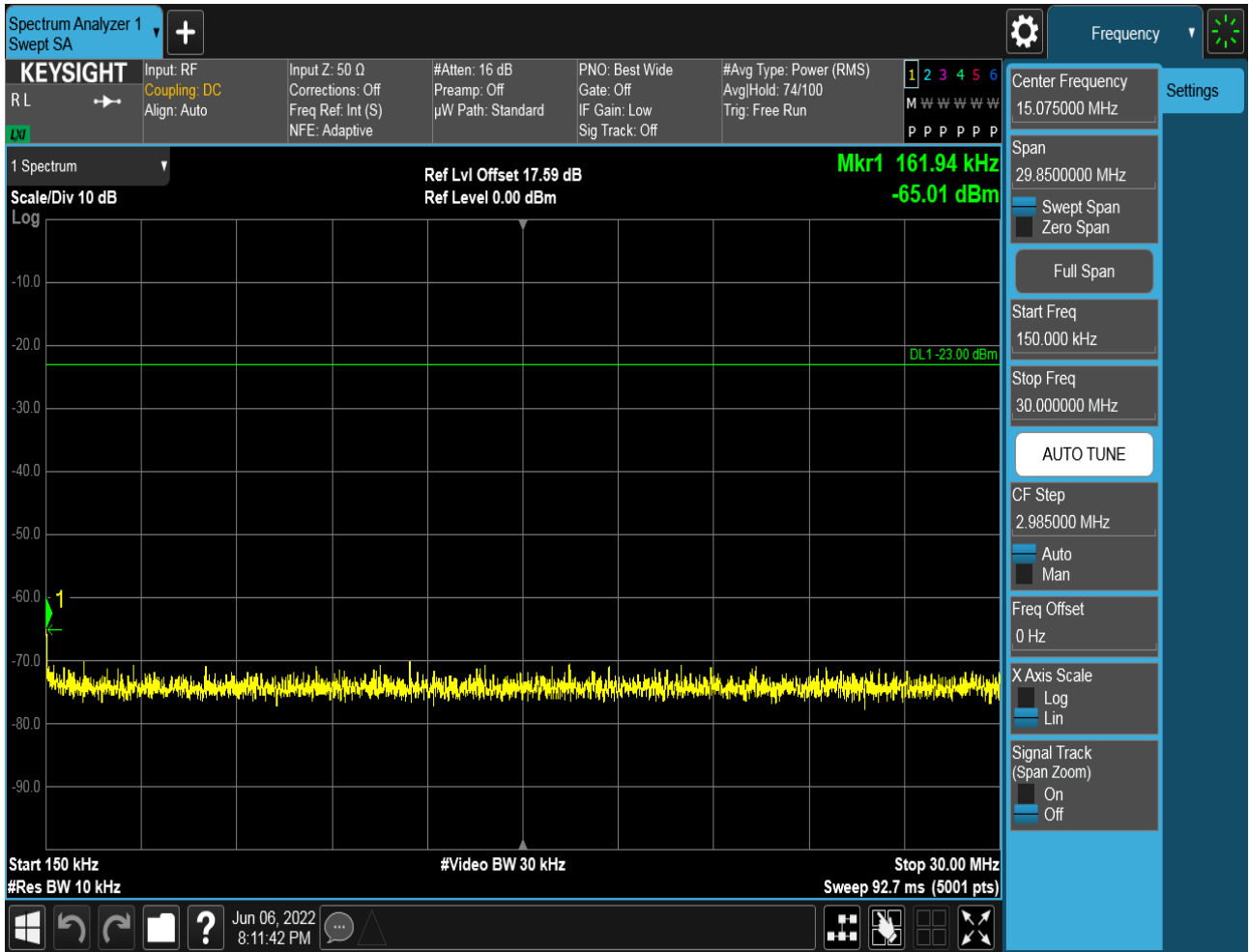


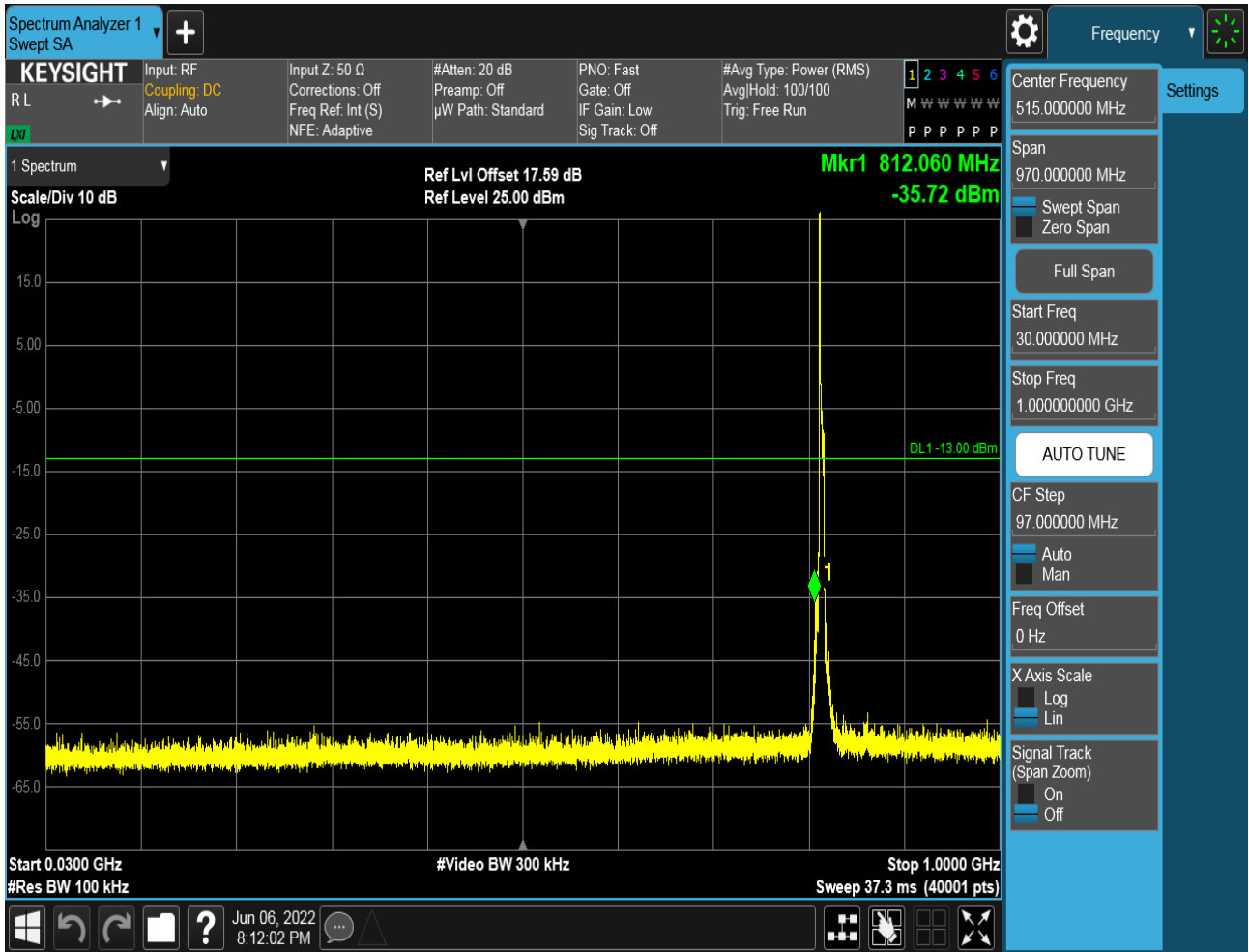


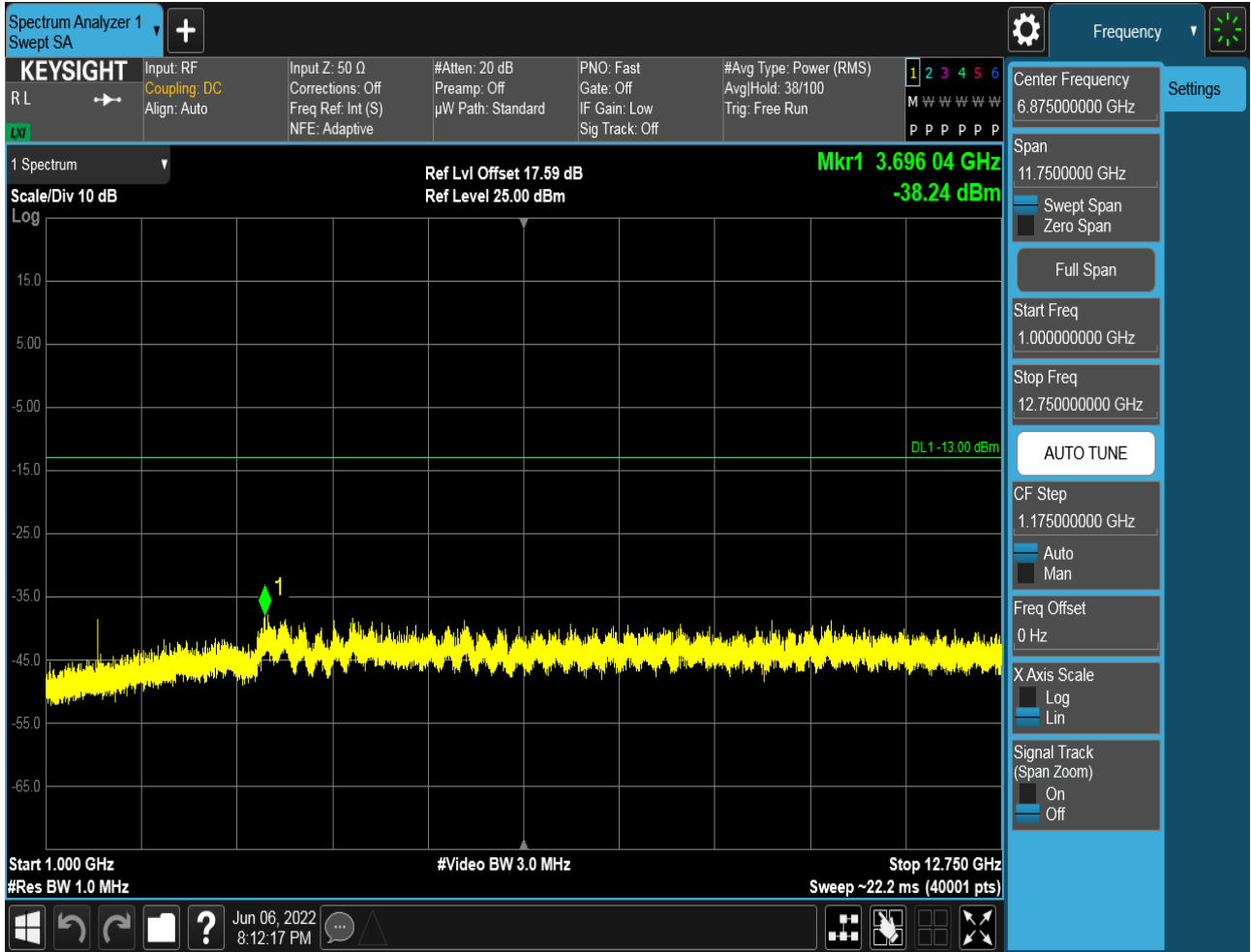
### 6.2.1.1.3.2 Test Channel = MCH

#### 6.2.1.1.3.2.1 Test RB = RB1#0





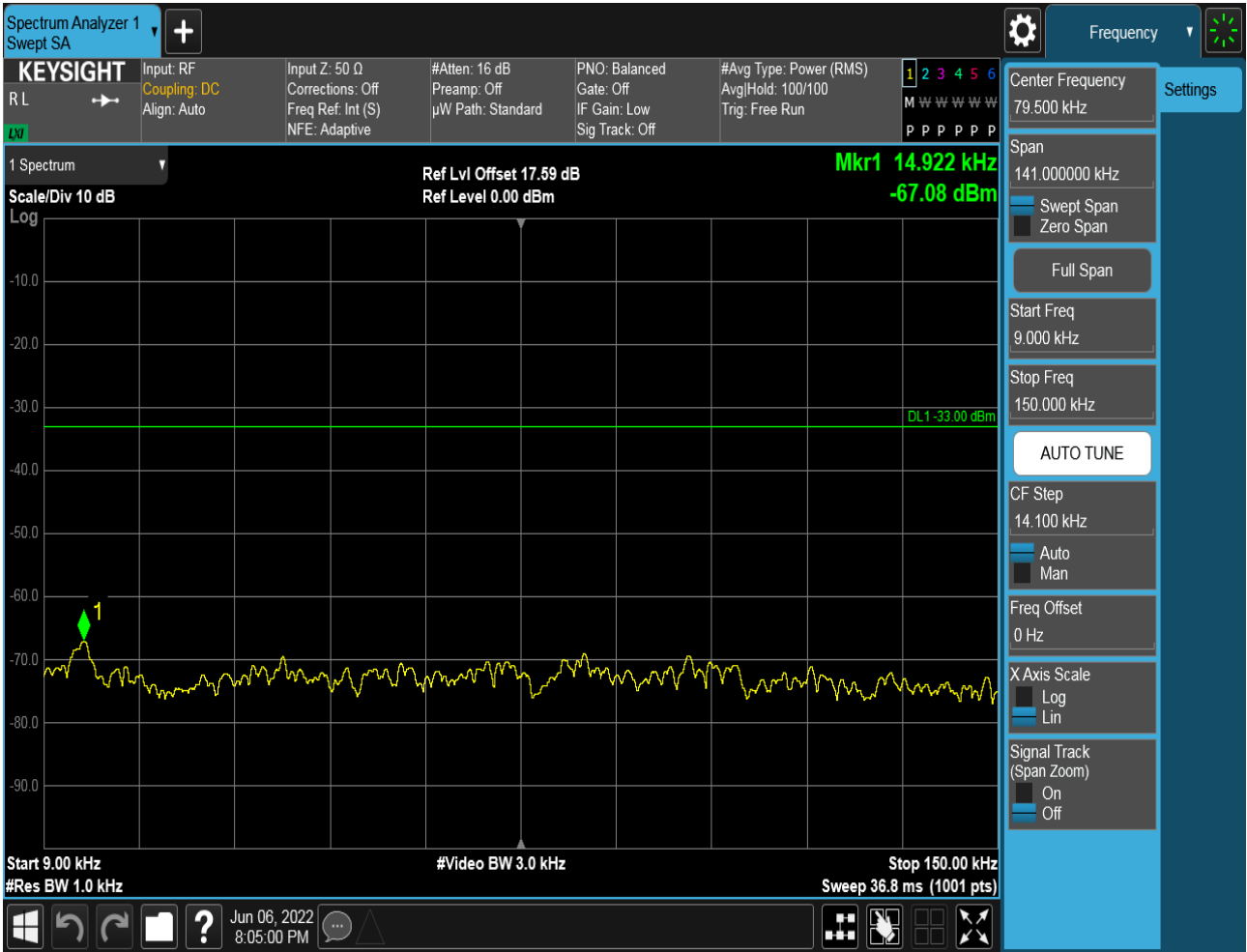


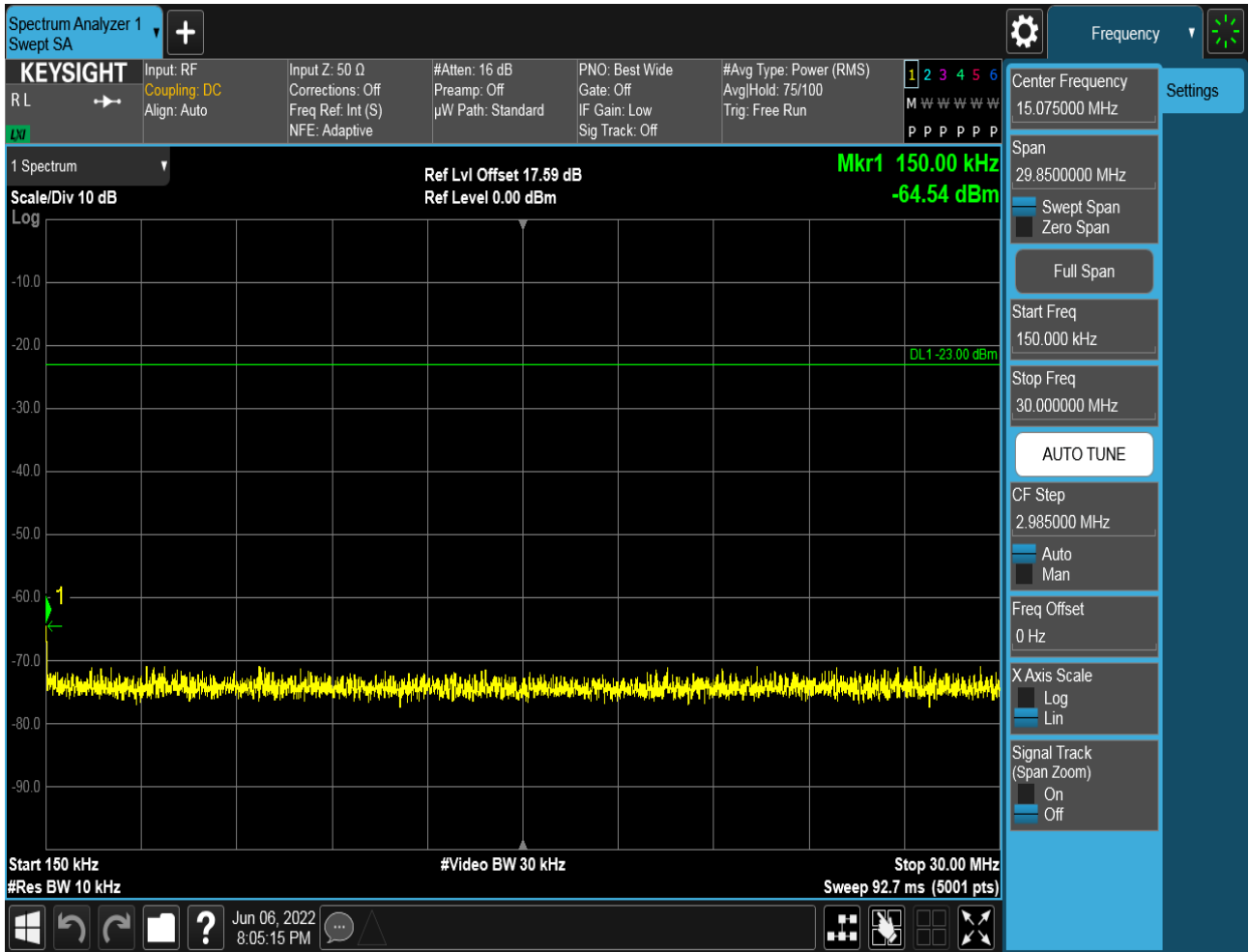


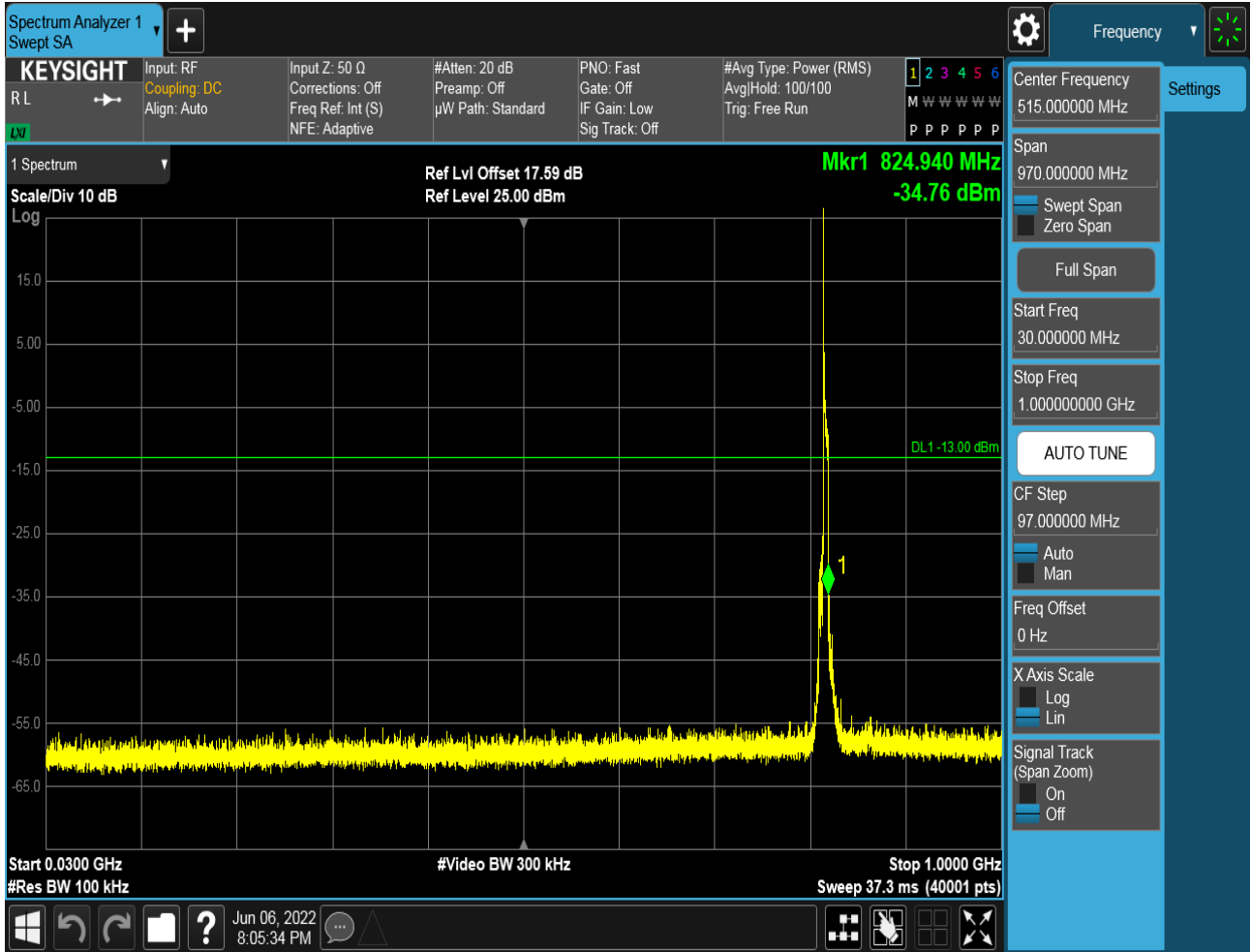


### 6.2.1.1.3.3 Test Channel = HCH

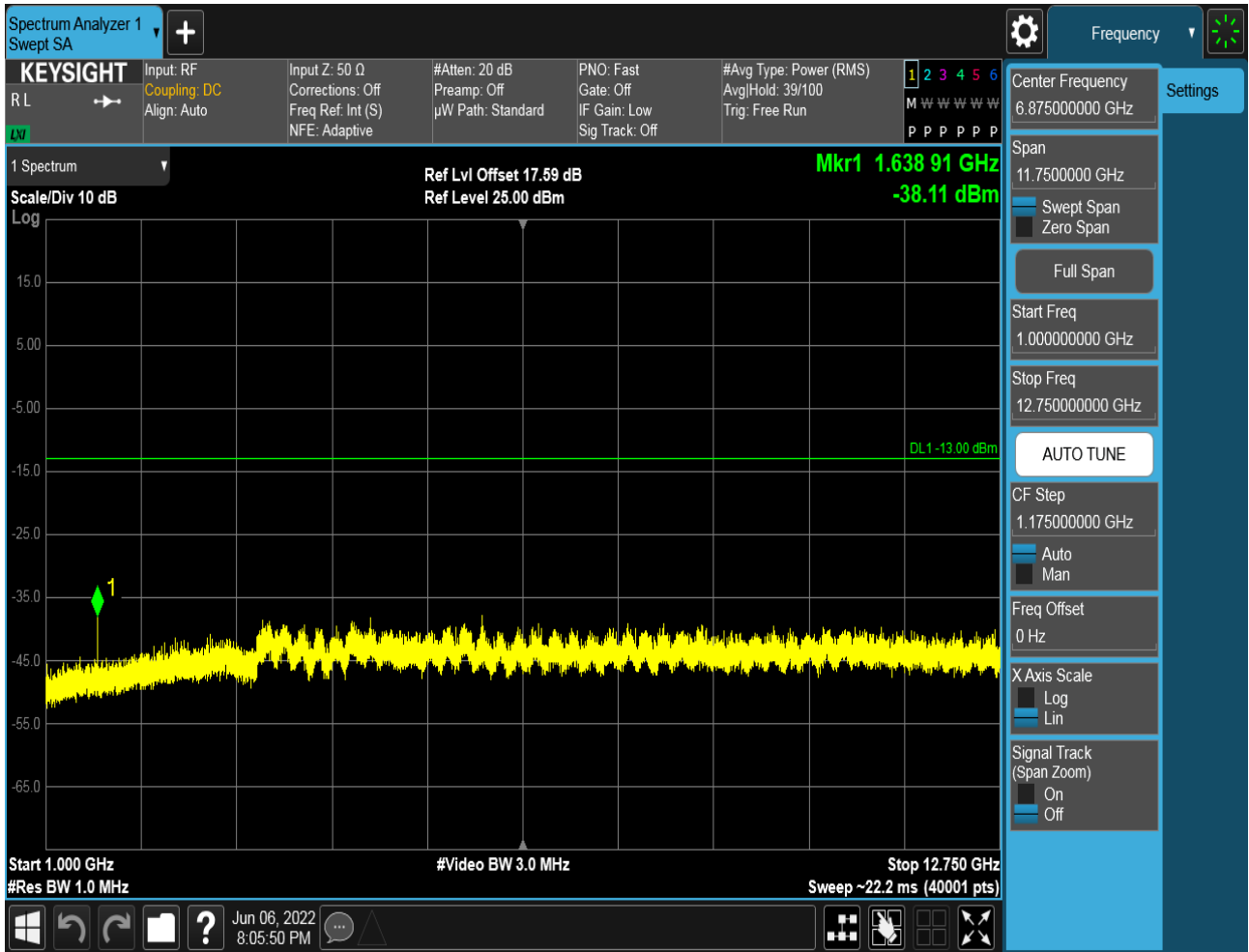
#### 6.2.1.1.3.3.1 Test RB = RB1#0









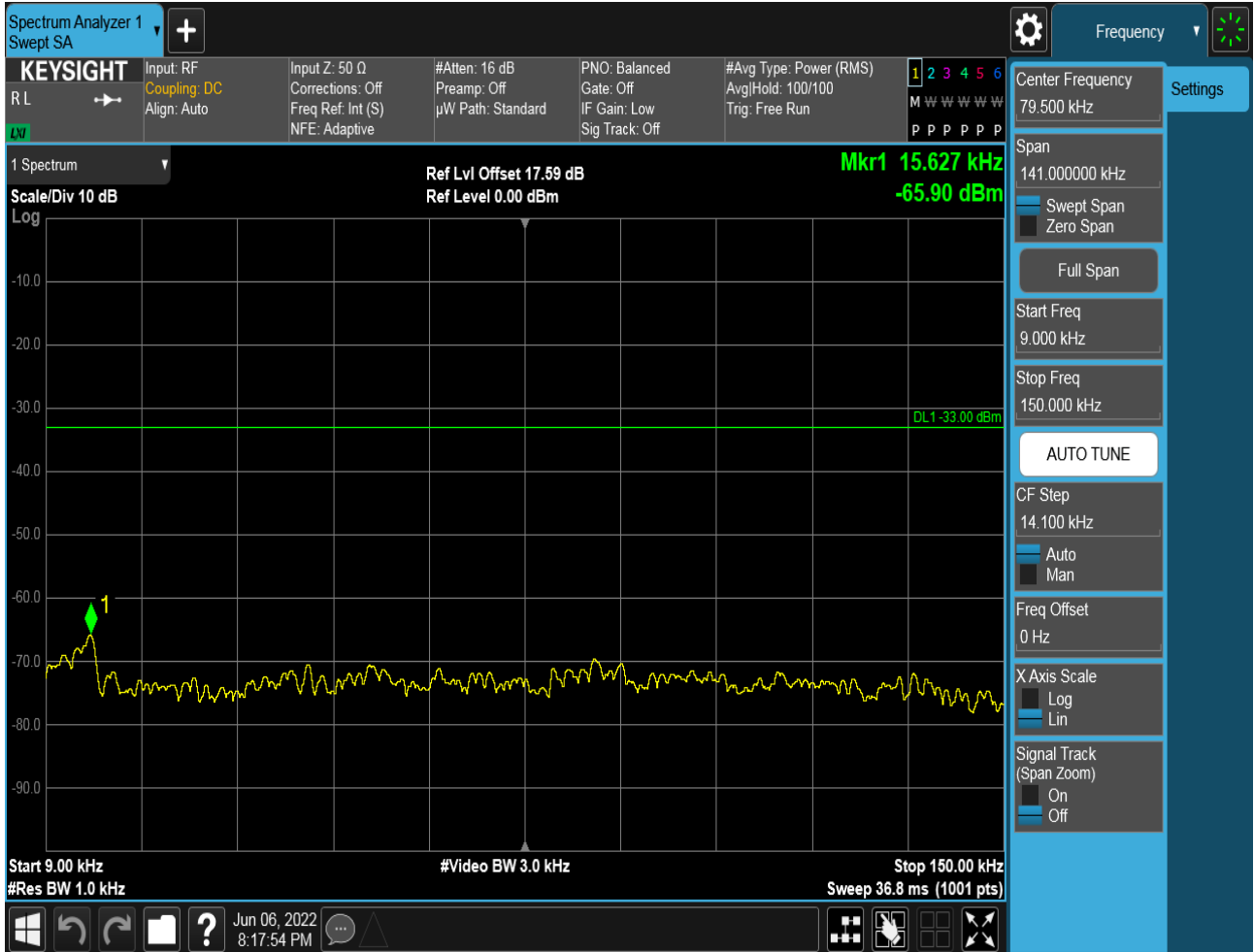


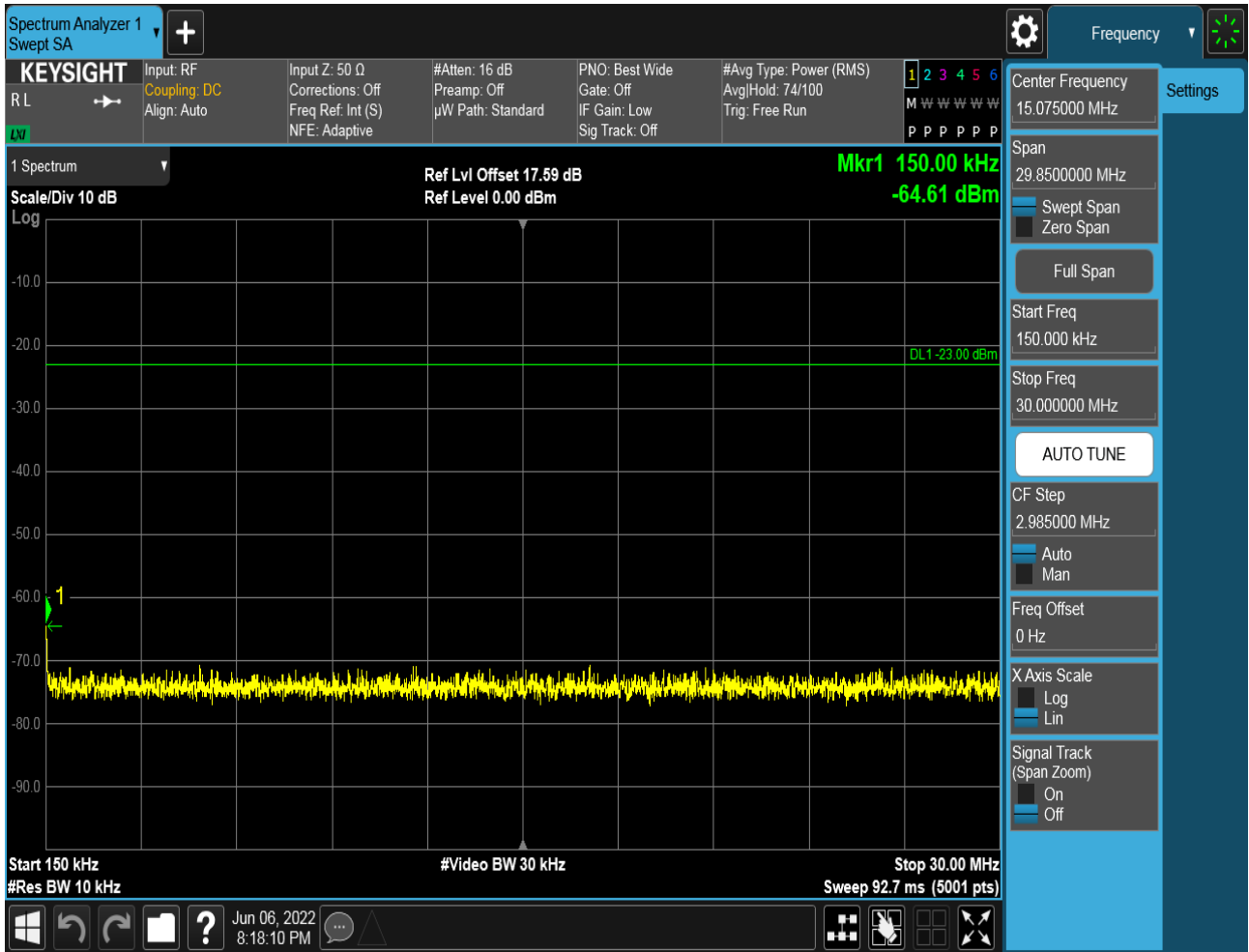


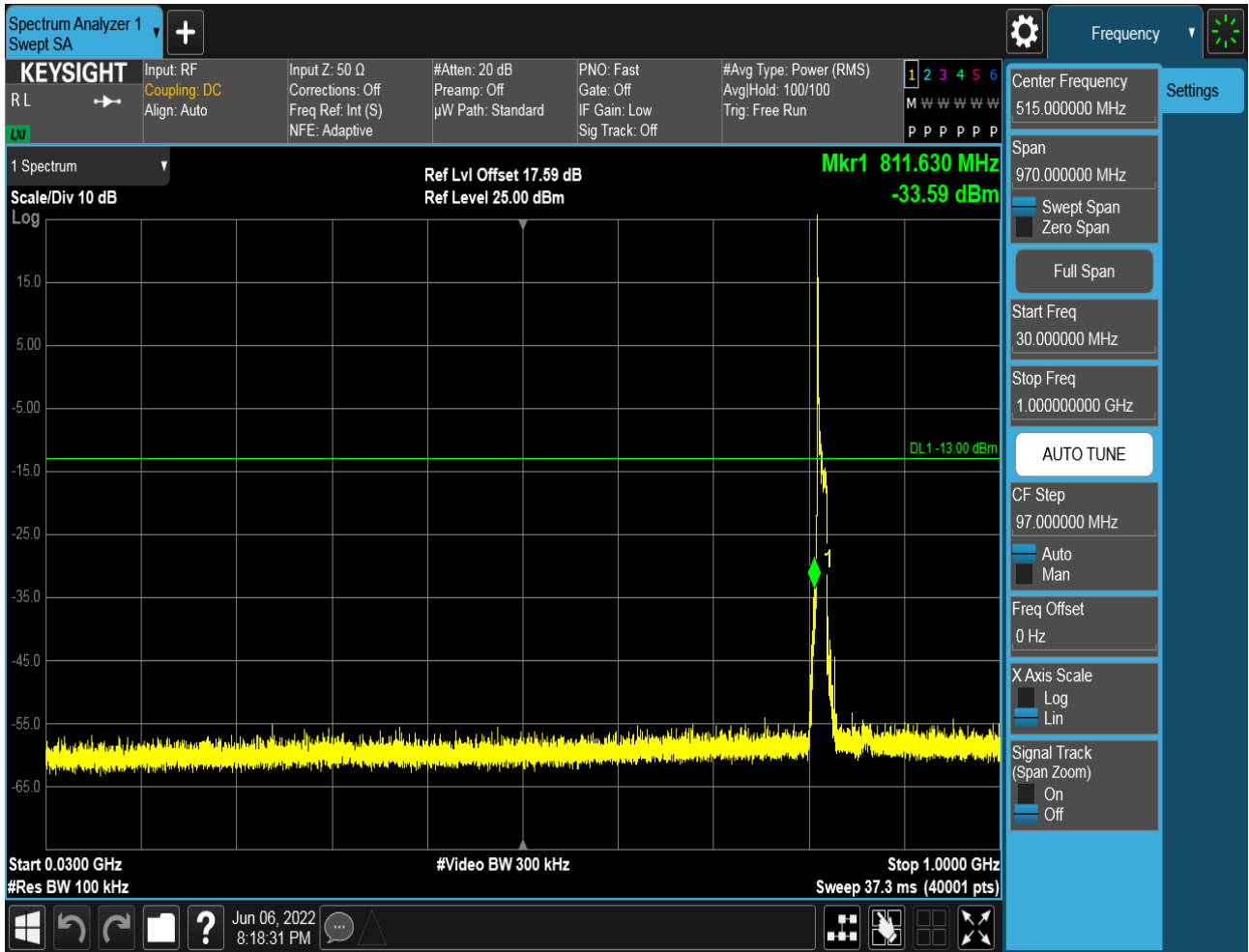
### 6.2.1.1.4 Test Bandwidth = 10MHz

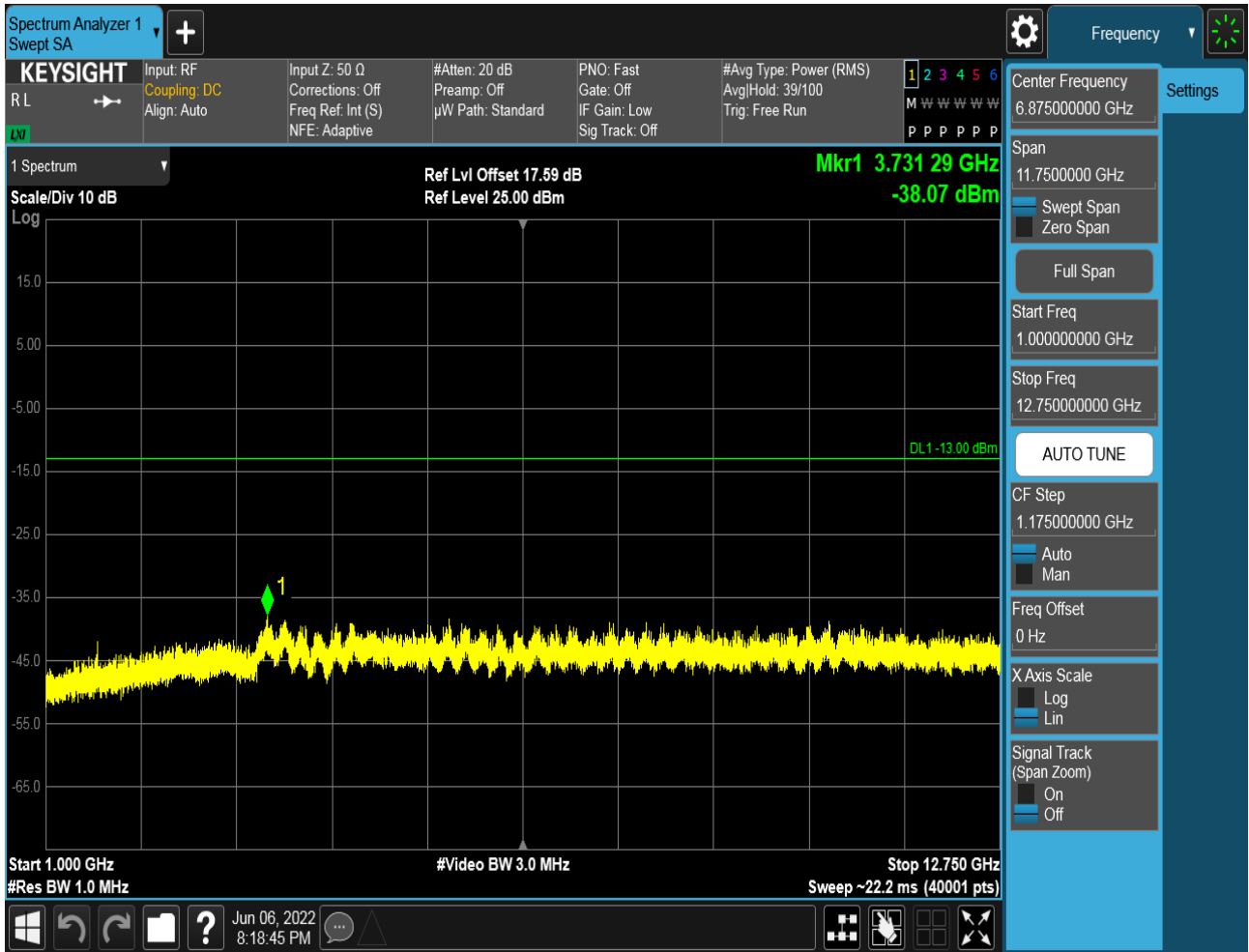
#### 6.2.1.1.4.1 Test Channel = MCH

##### 6.2.1.1.4.1.1 Test RB = RB1#0









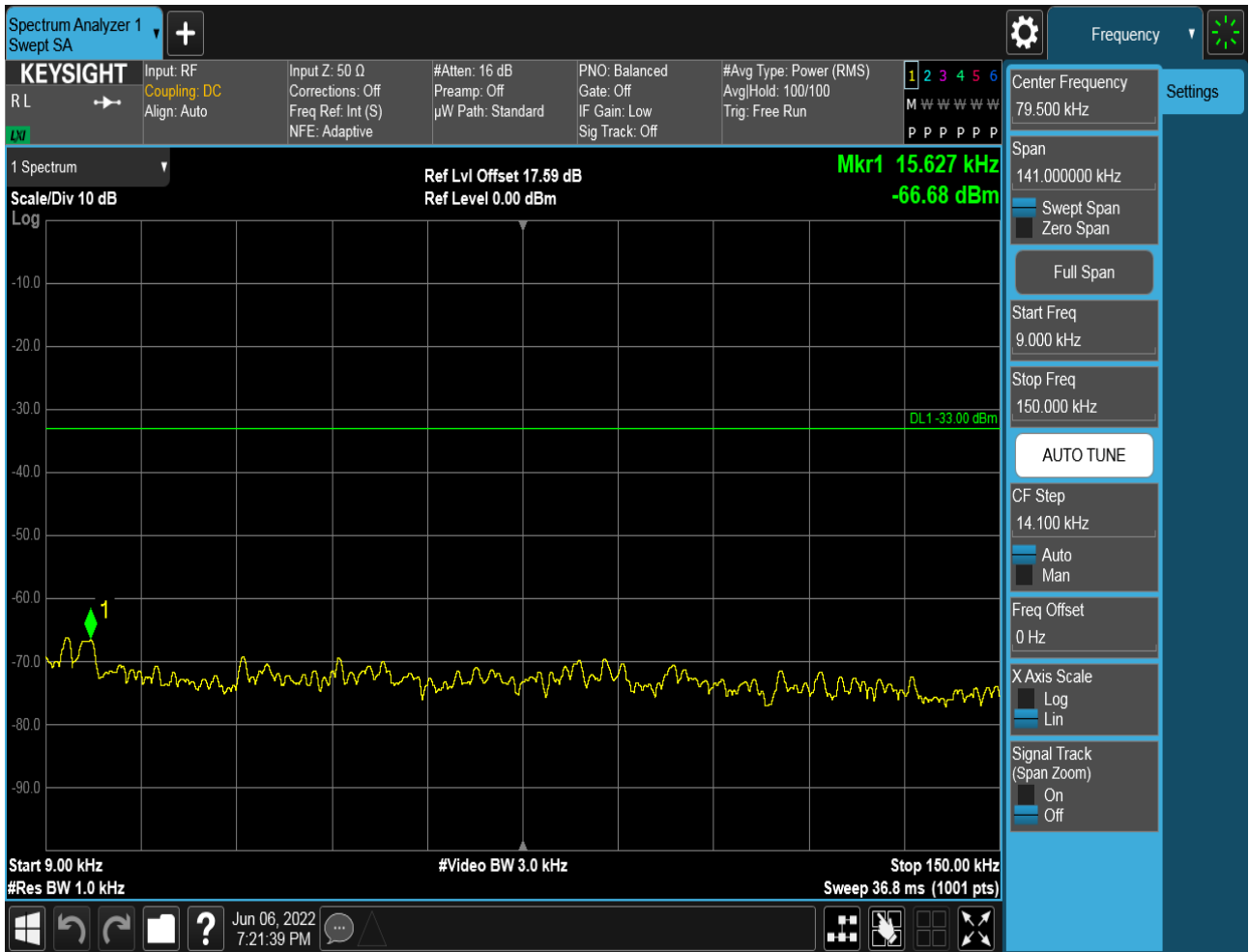


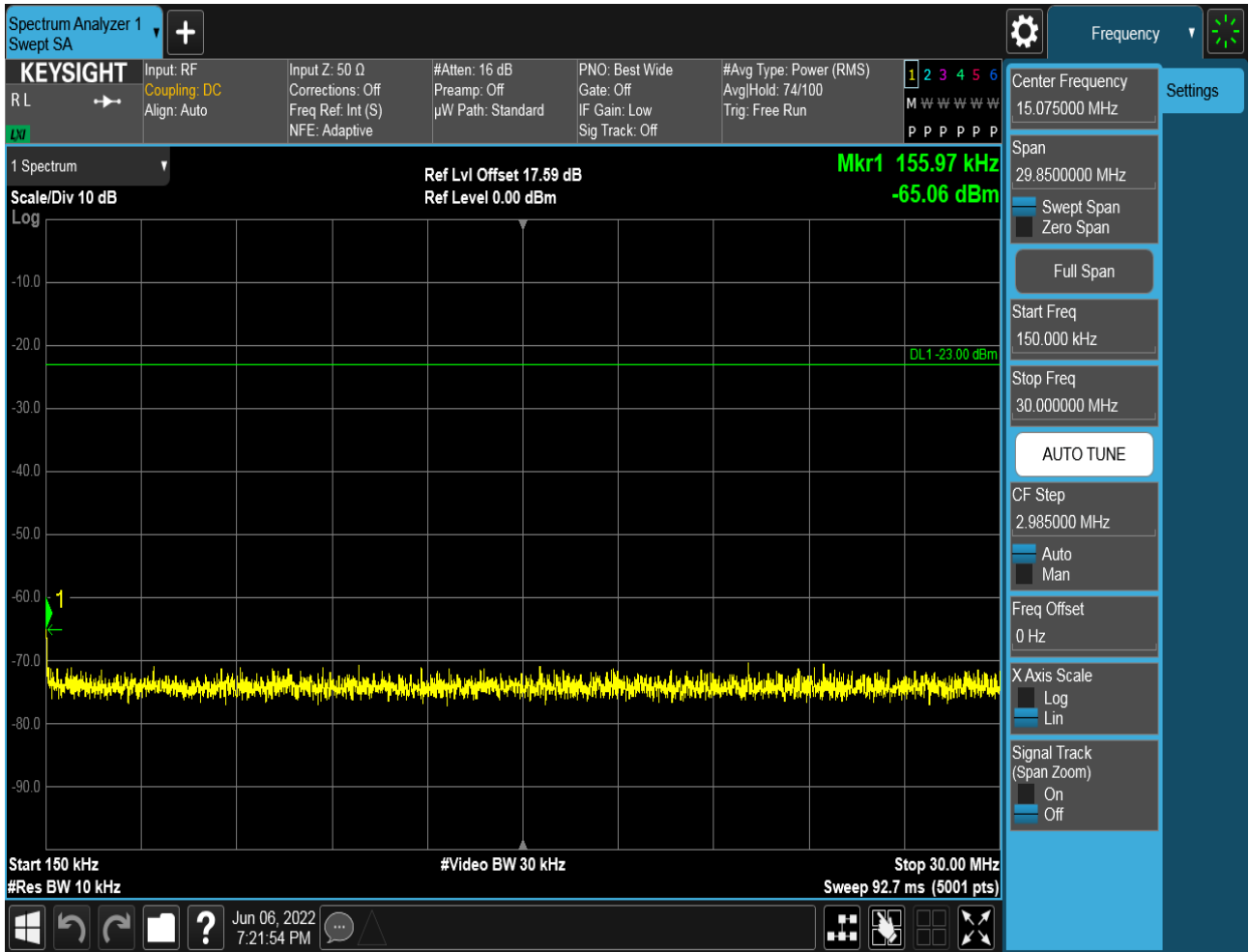
### 6.2.1.2 Test Mode = LTE/TM2

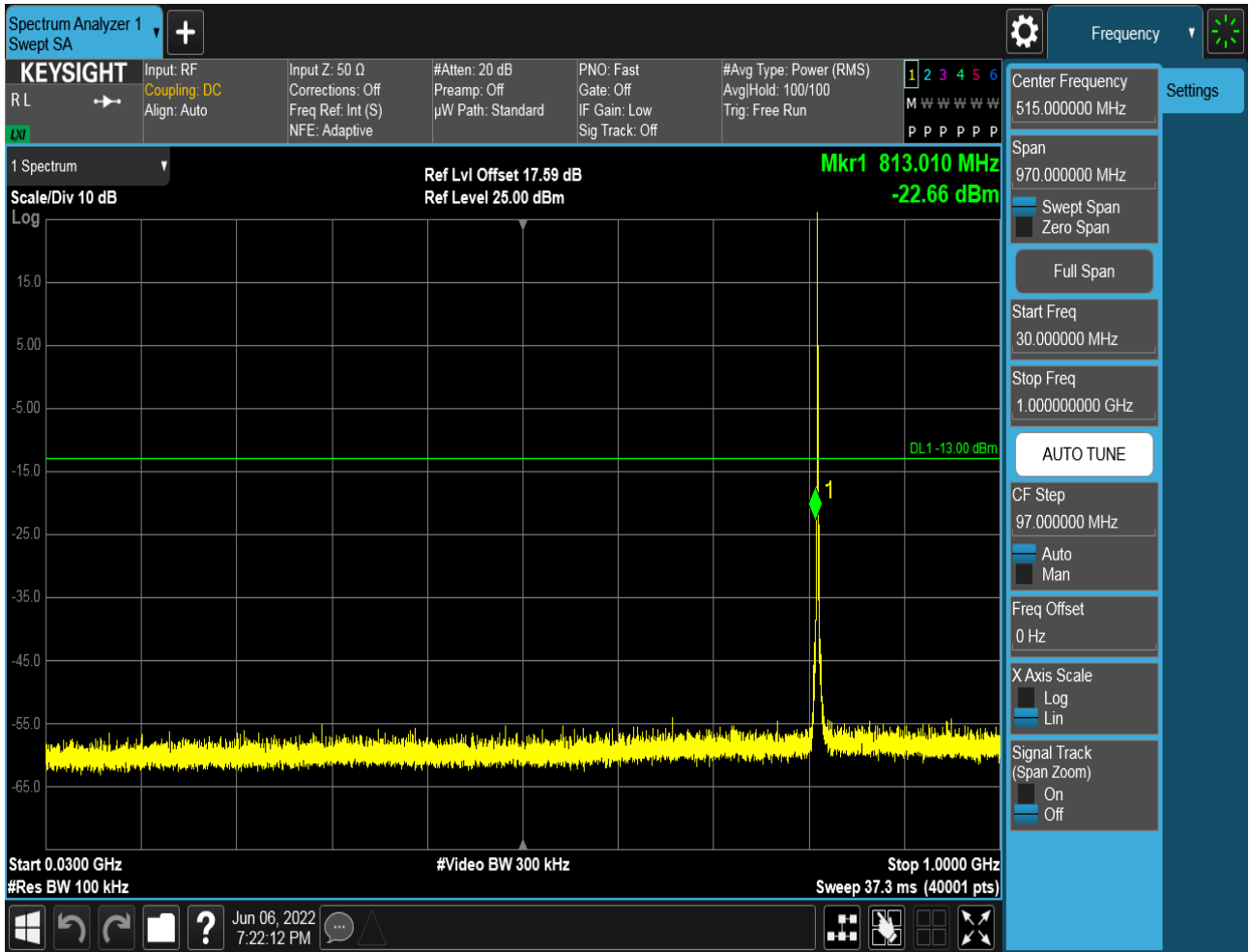
#### 6.2.1.2.1 Test Bandwidth = 1.4MHz

##### 6.2.1.2.1.1 Test Channel = LCH

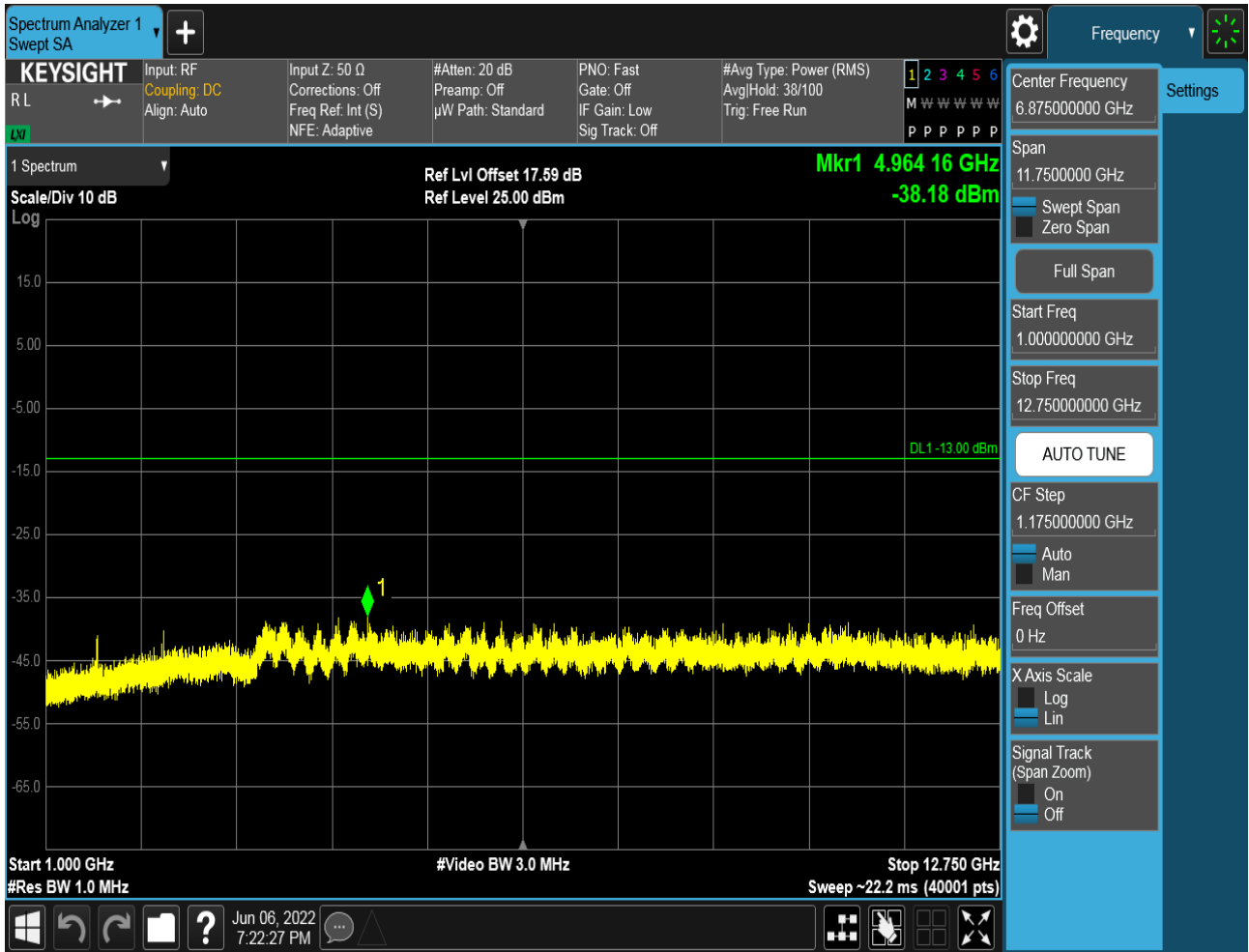
###### 6.2.1.2.1.1.1 Test RB = RB1#0







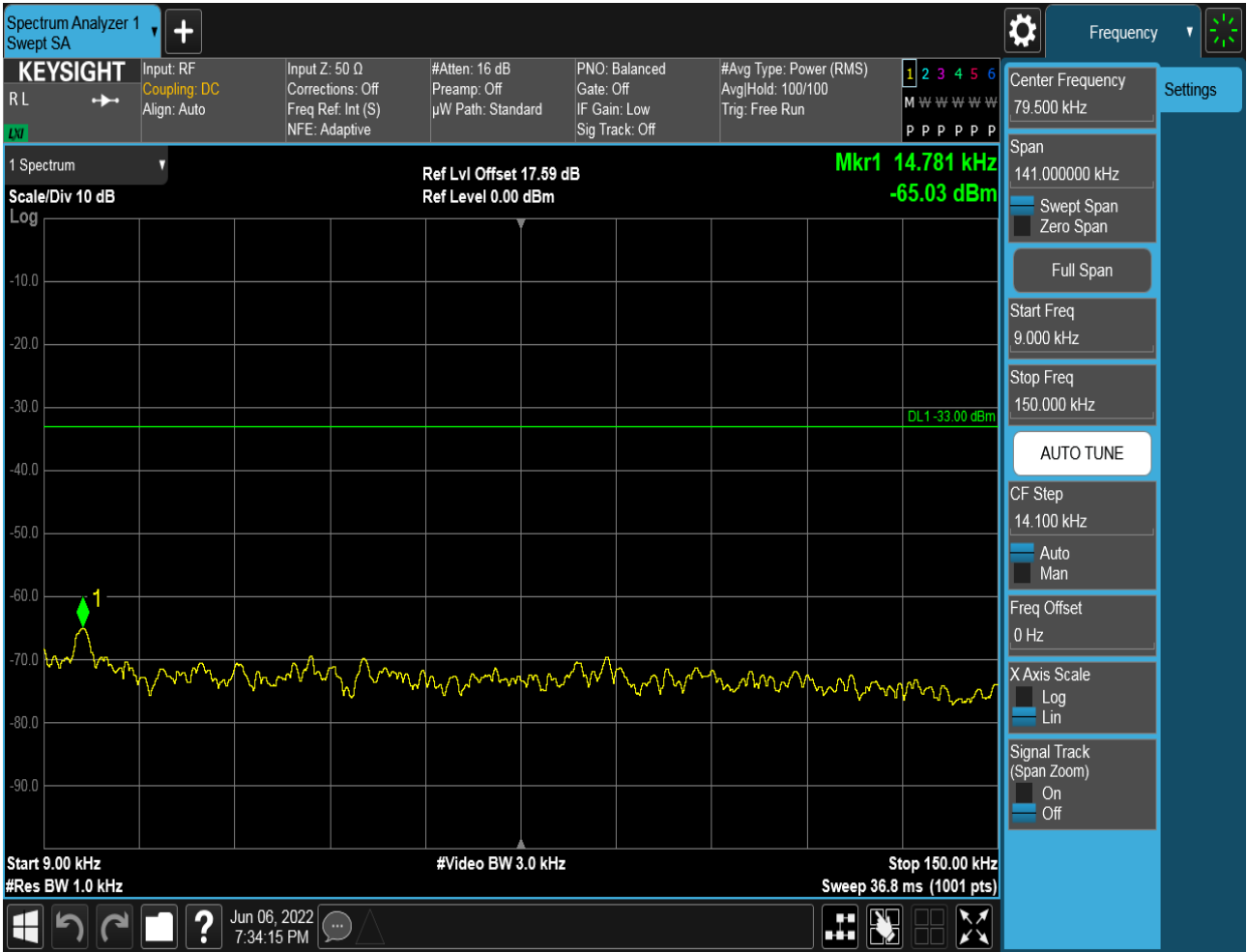


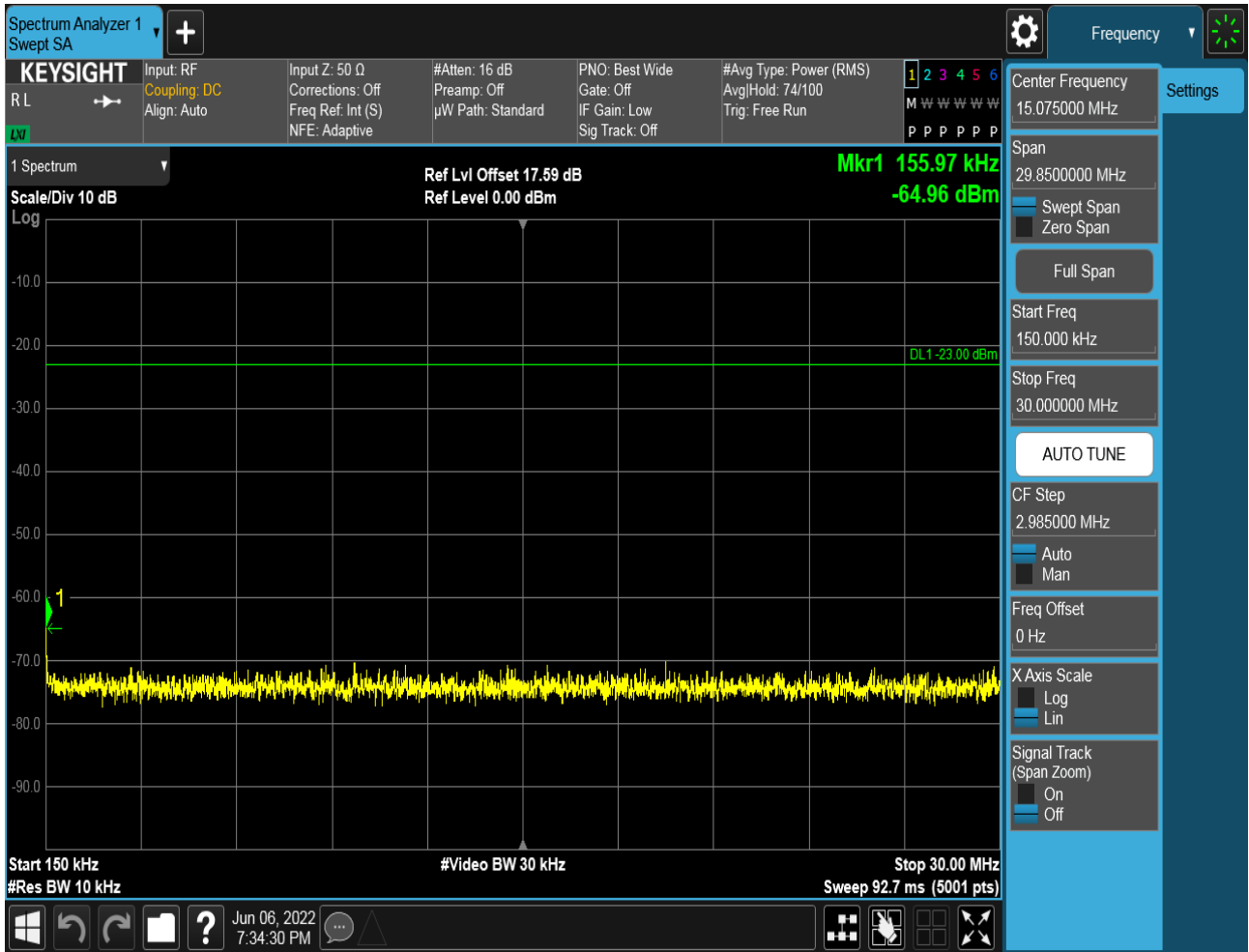


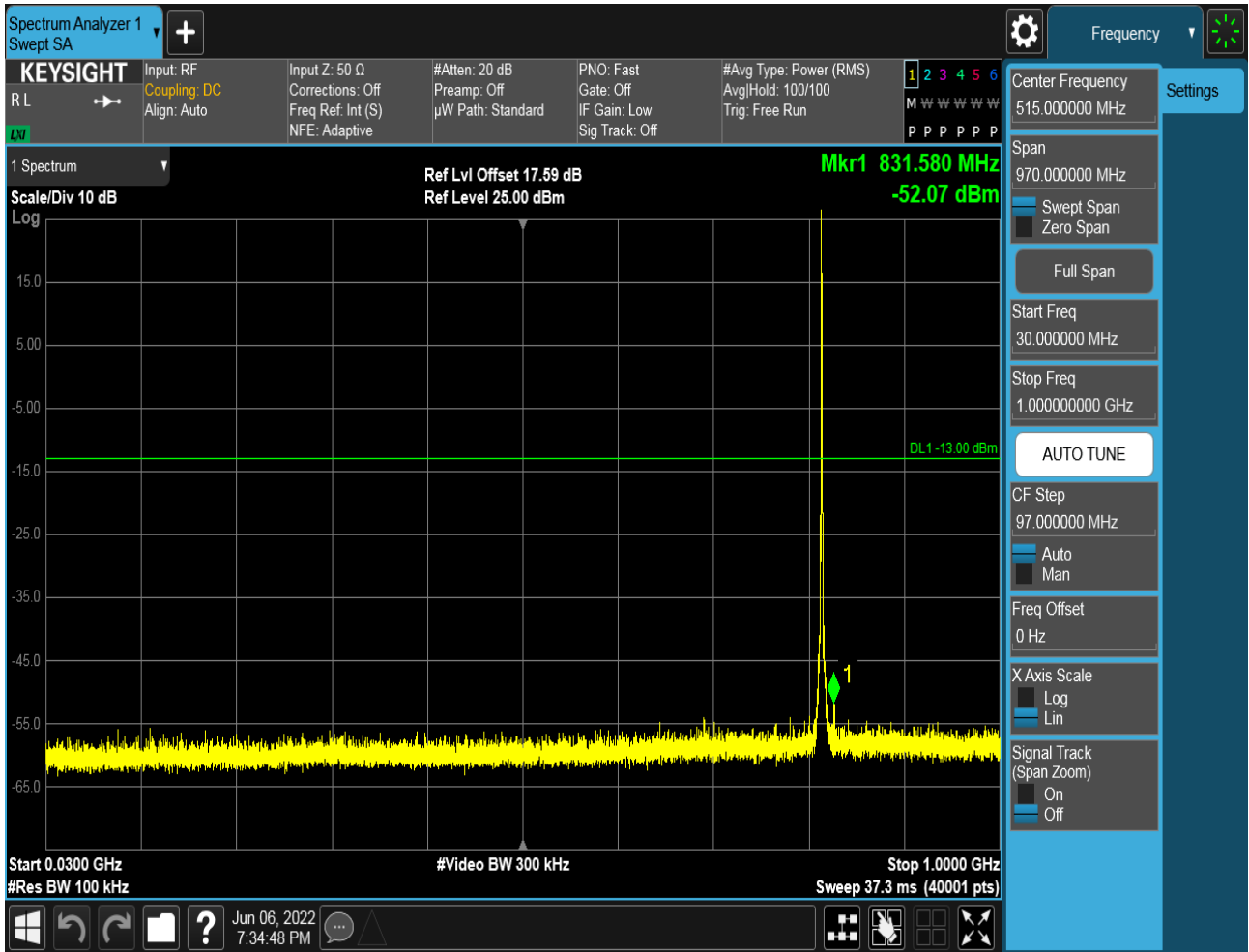


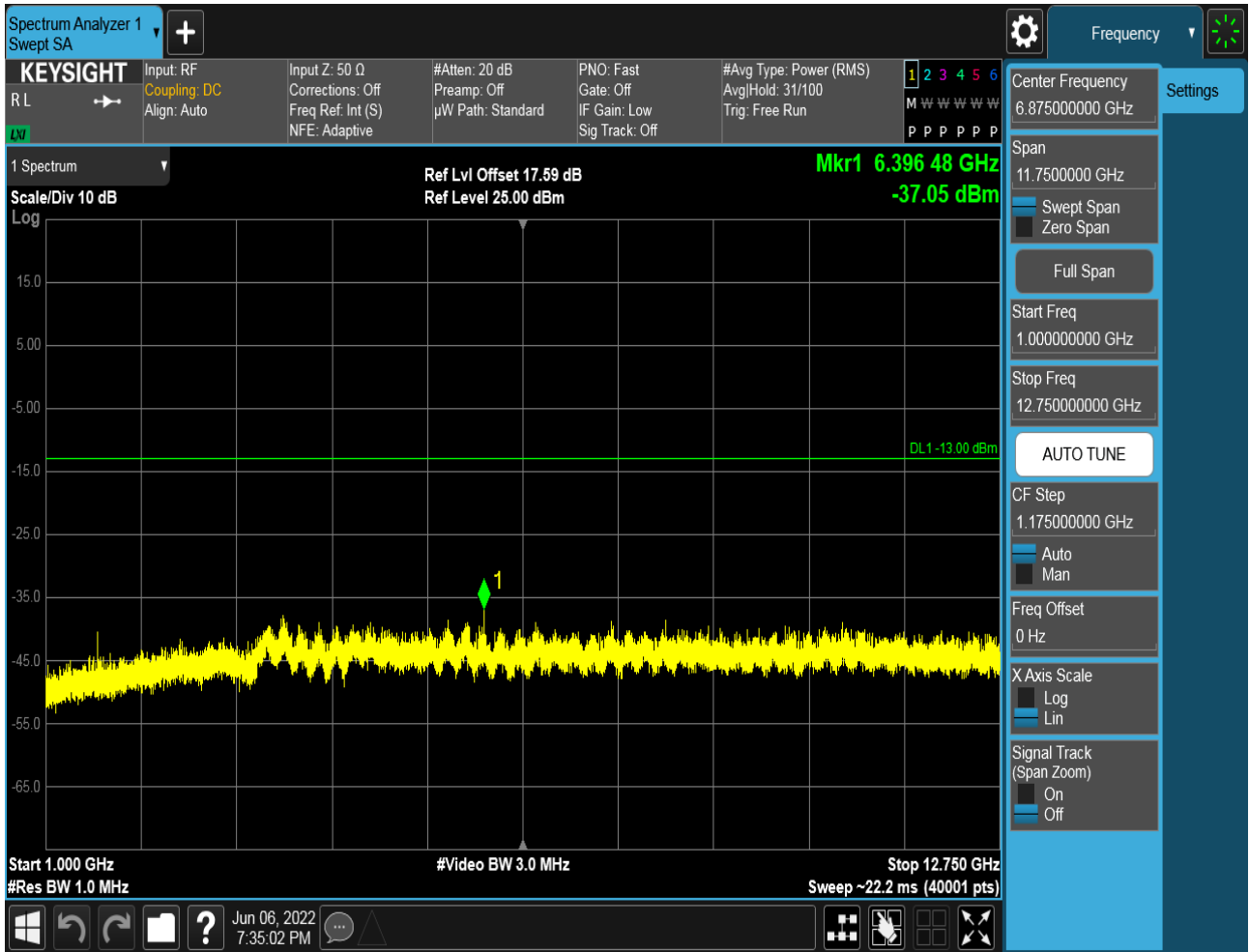
### 6.2.1.2.1.2 Test Channel = MCH

#### 6.2.1.2.1.2.1 Test RB = RB1#0





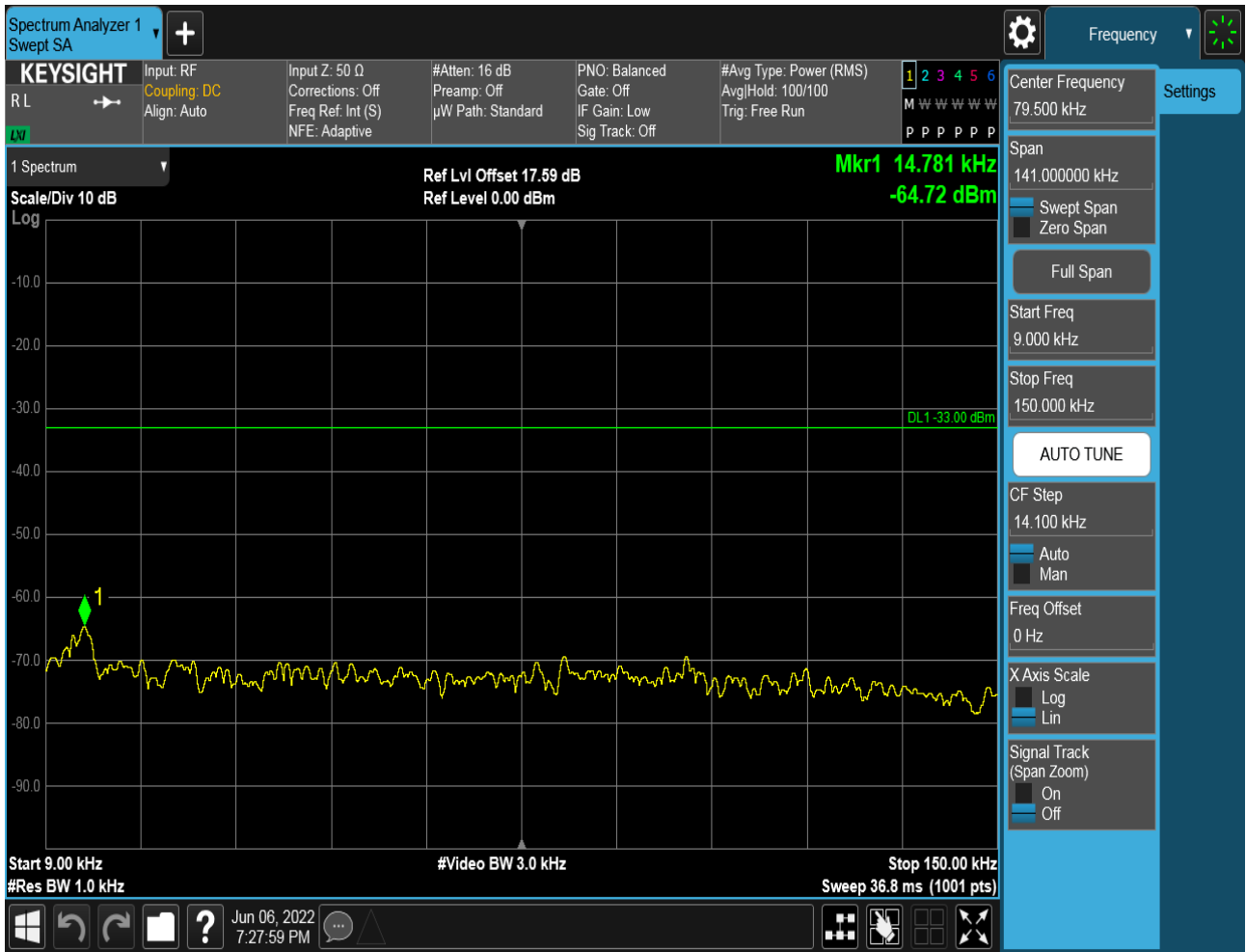


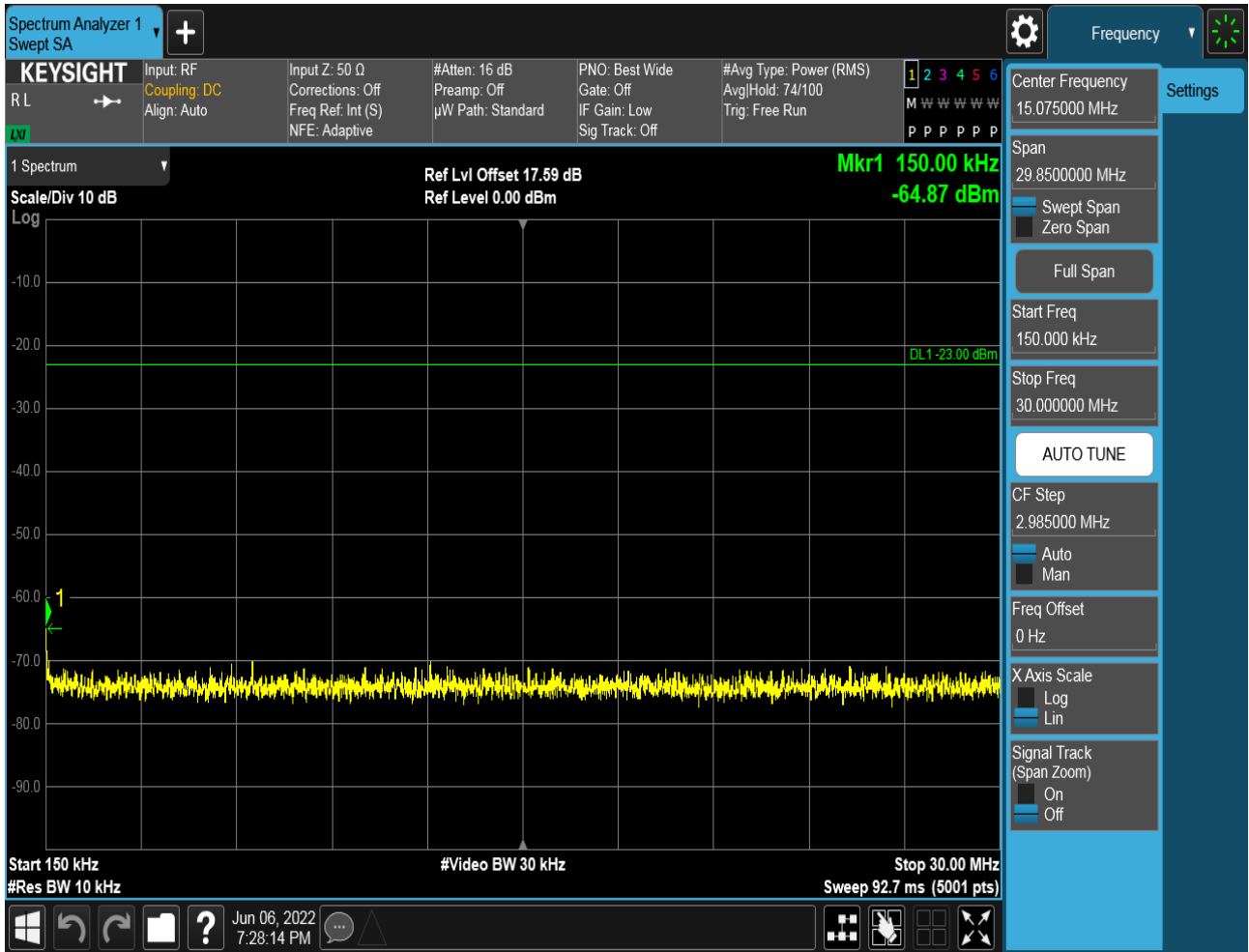


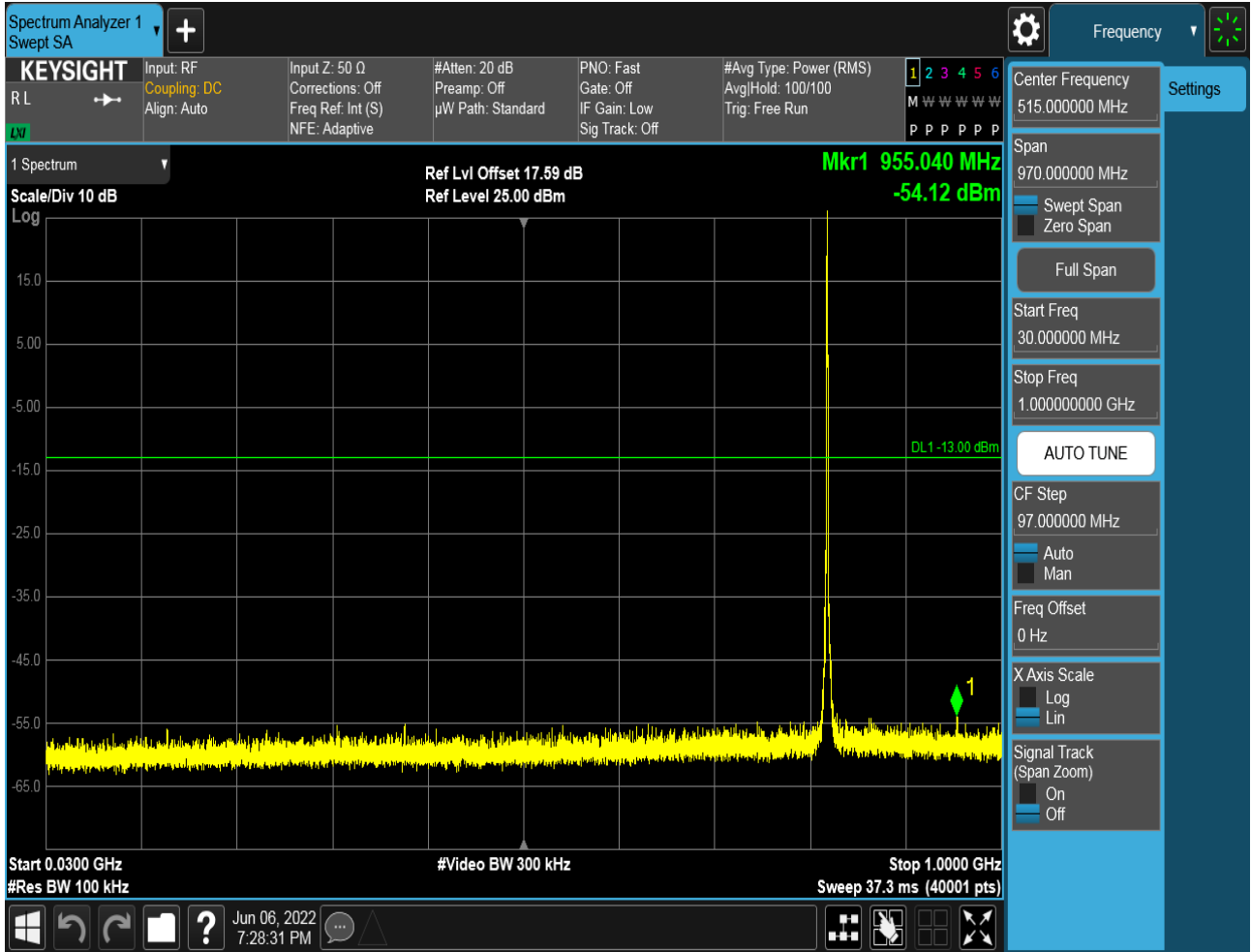


### 6.2.1.2.1.3 Test Channel = HCH

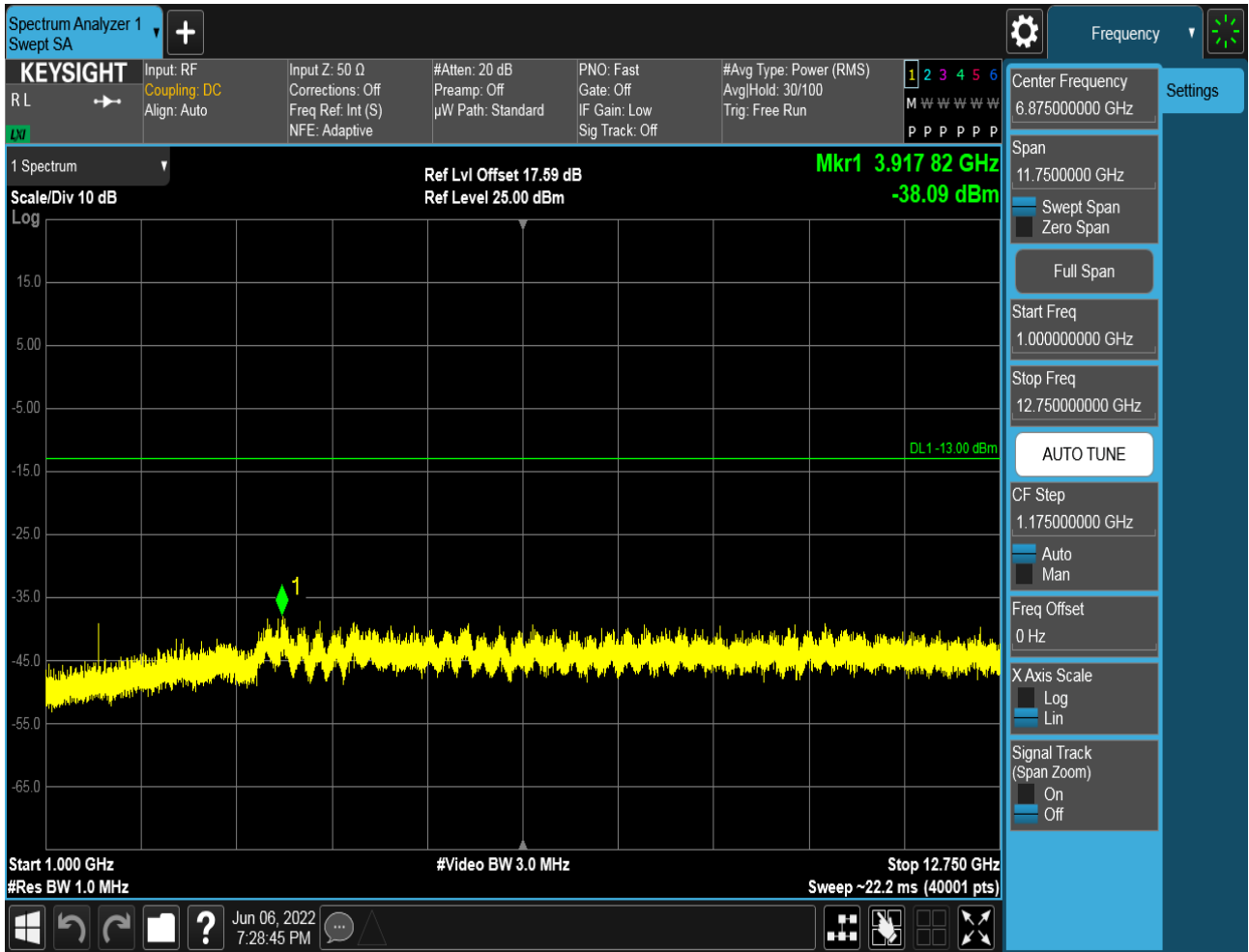
#### 6.2.1.2.1.3.1 Test RB = RB1#0









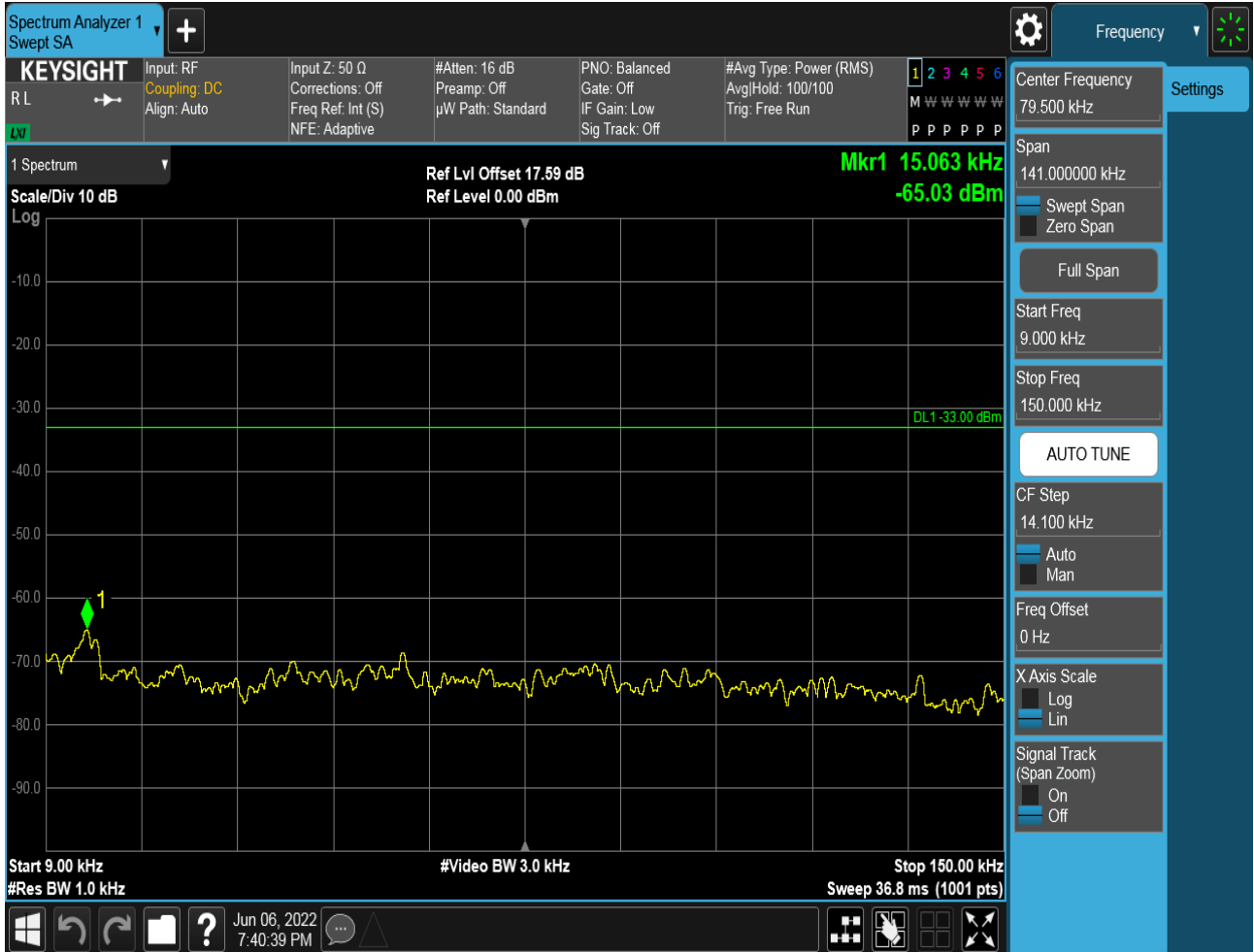


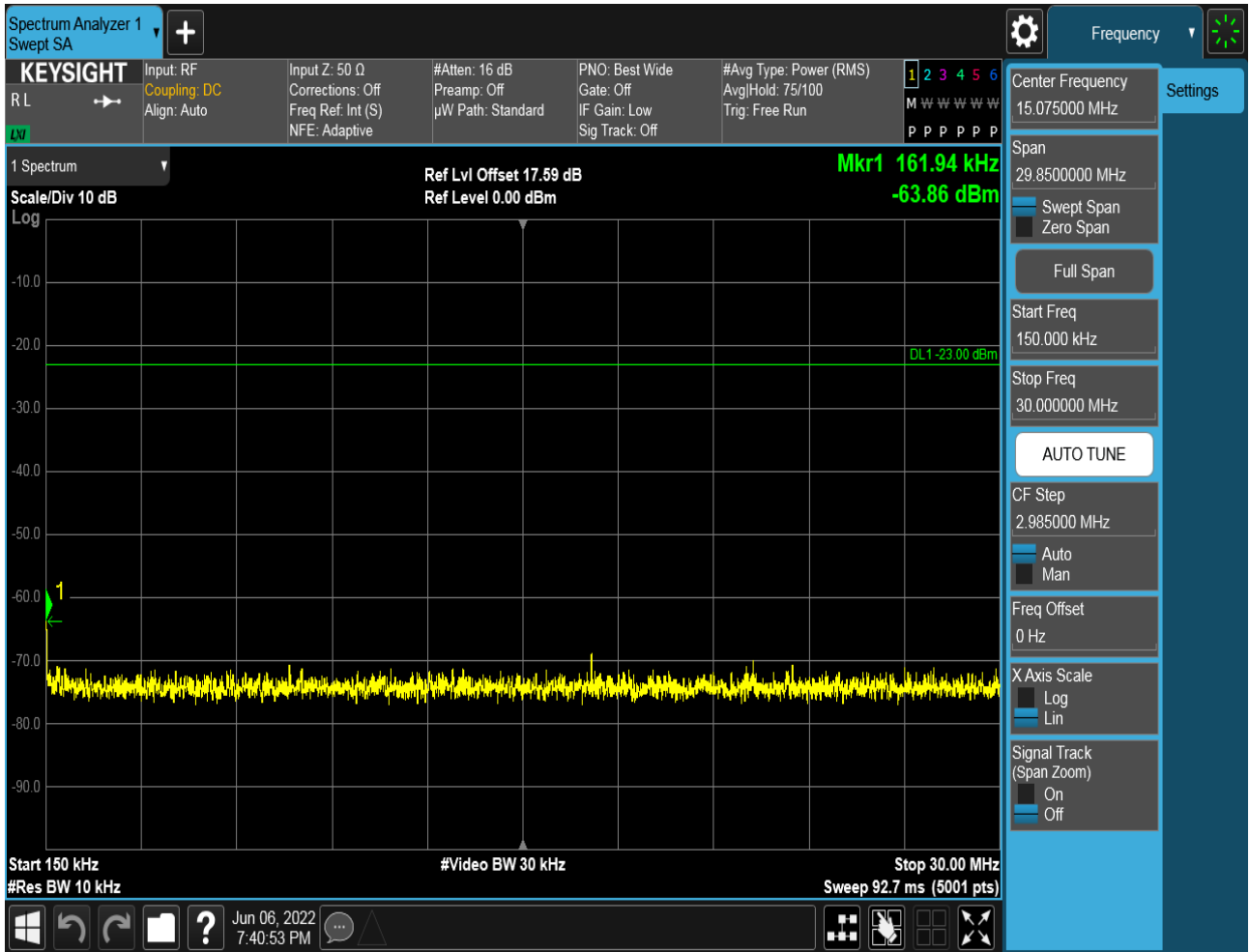


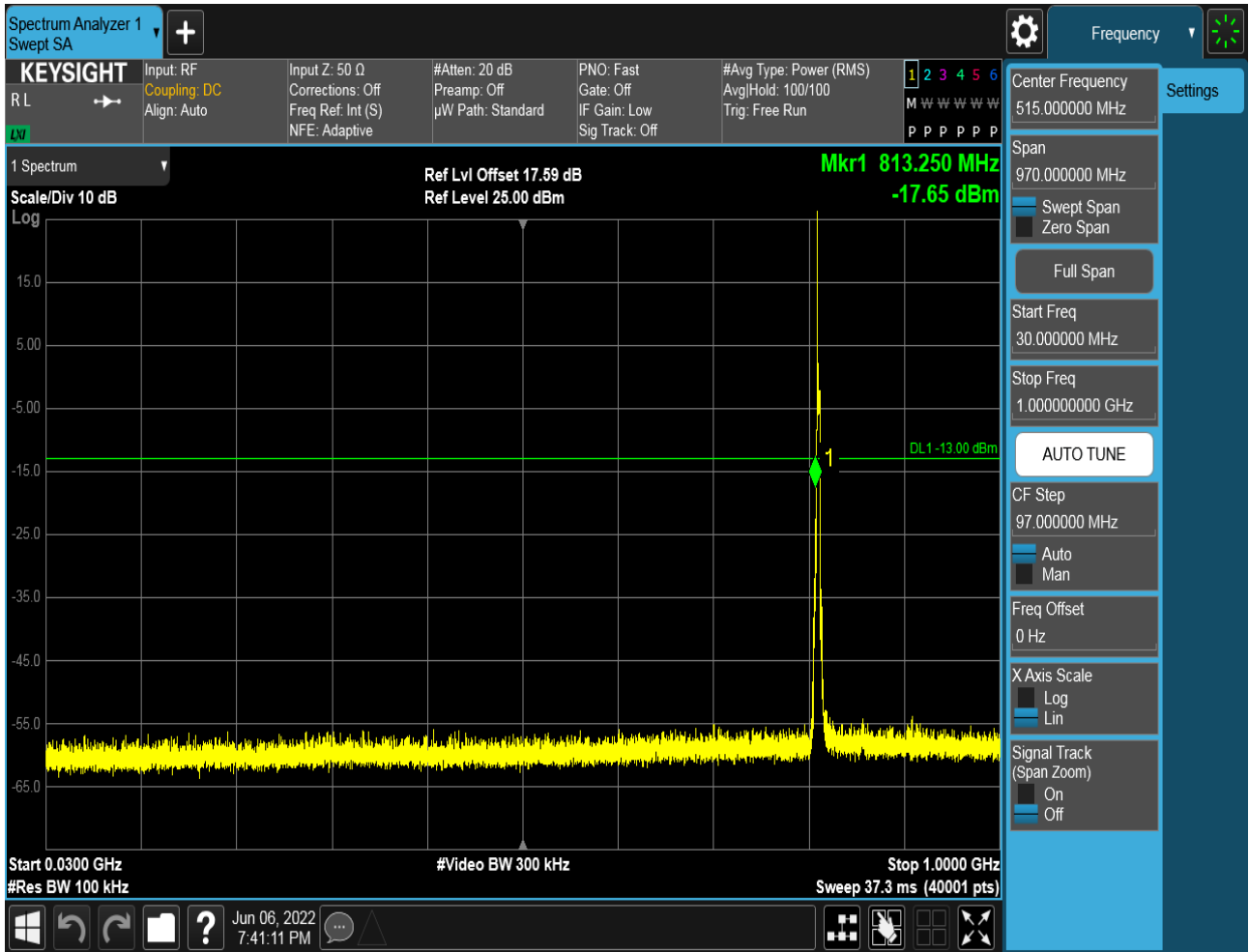
### 6.2.1.2.2 Test Bandwidth = 3MHz

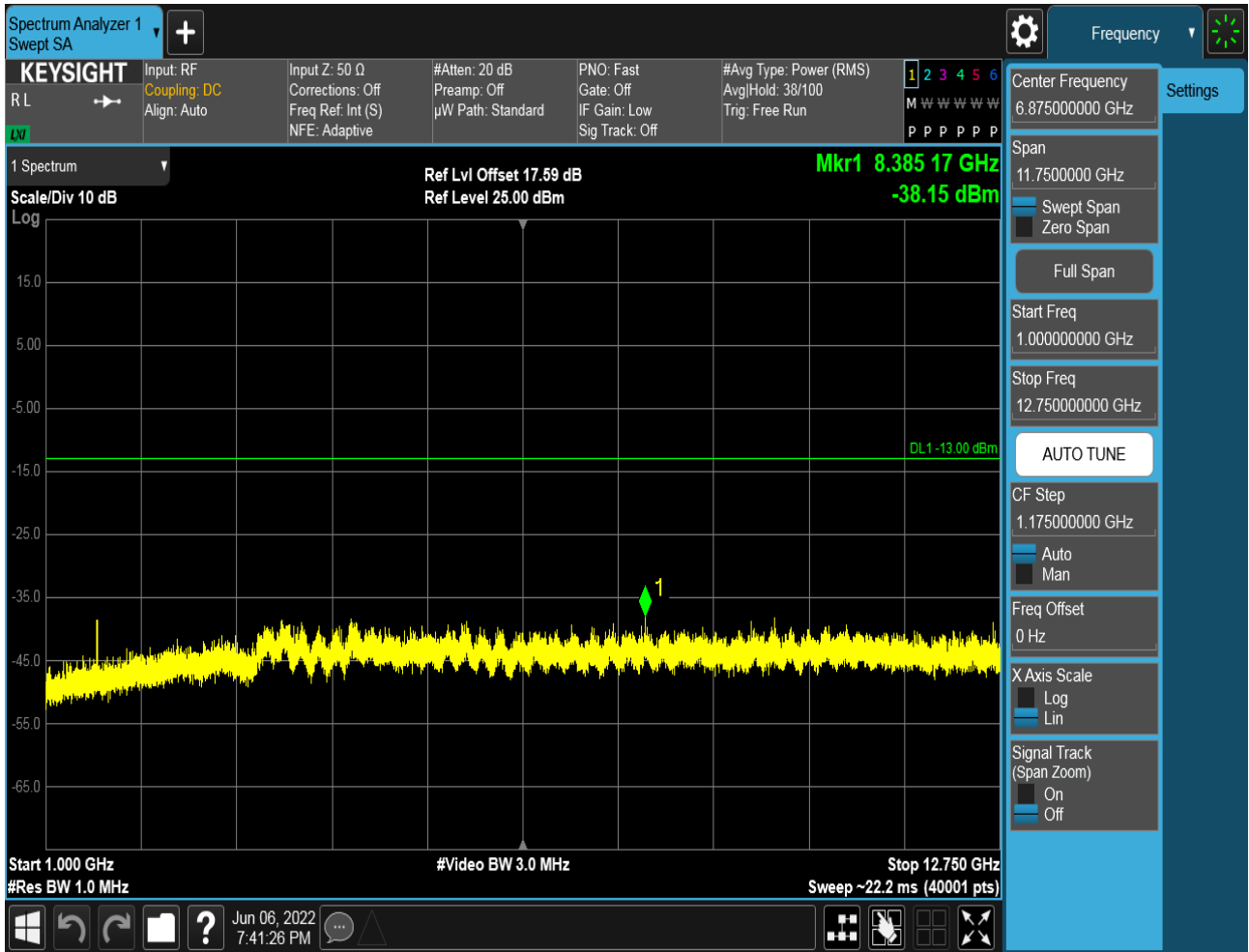
#### 6.2.1.2.2.1 Test Channel = LCH

##### 6.2.1.2.2.1.1 Test RB = RB1#0





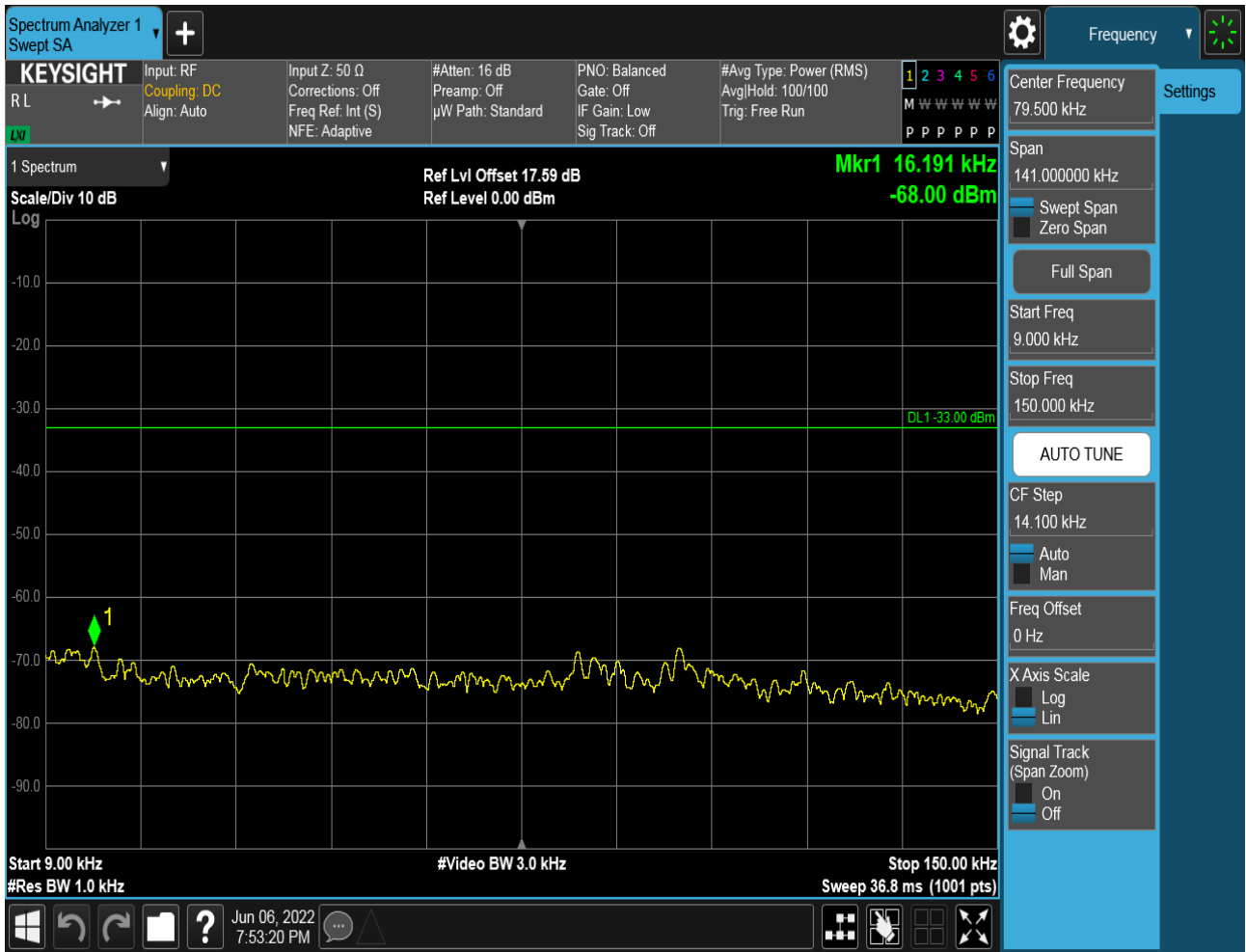


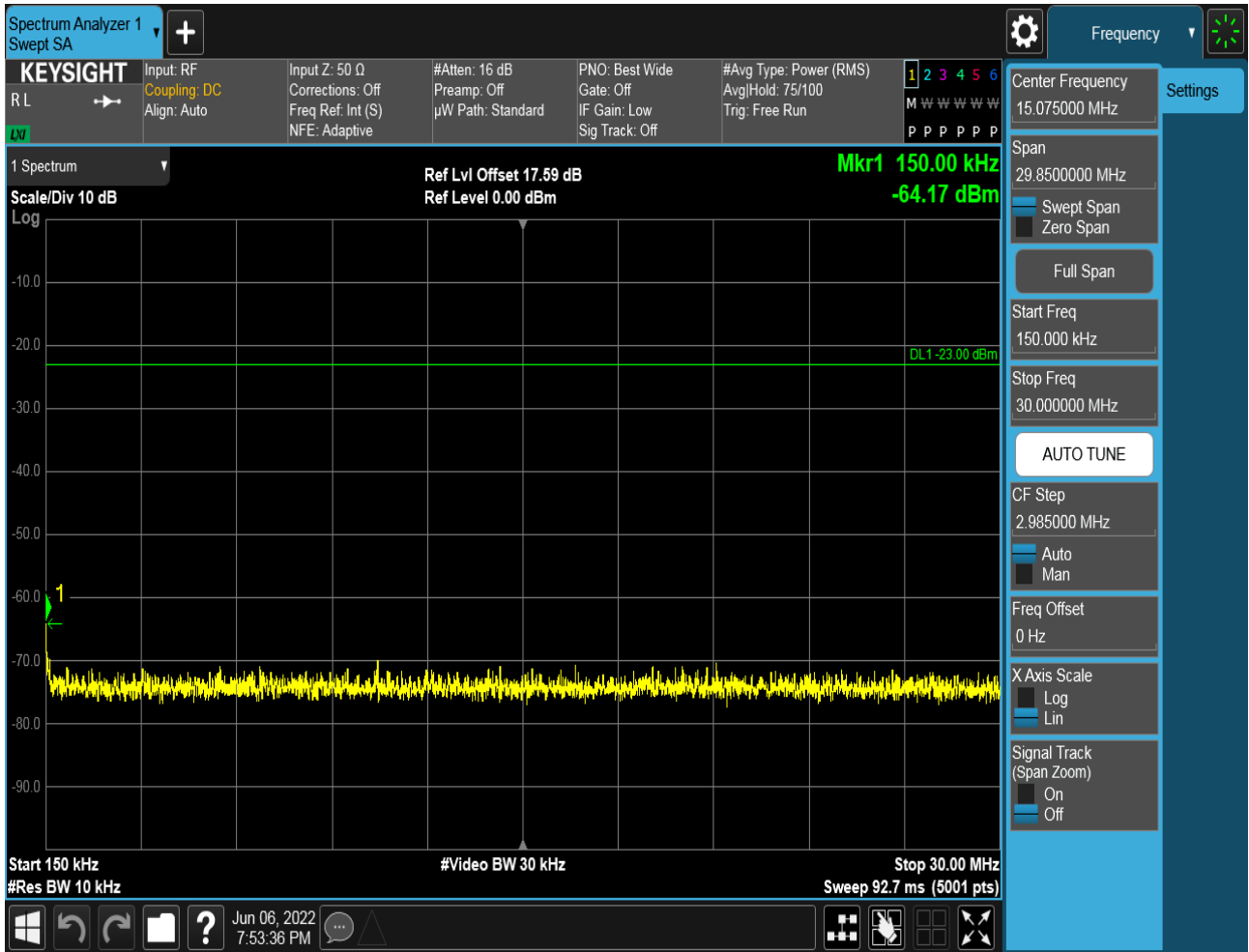


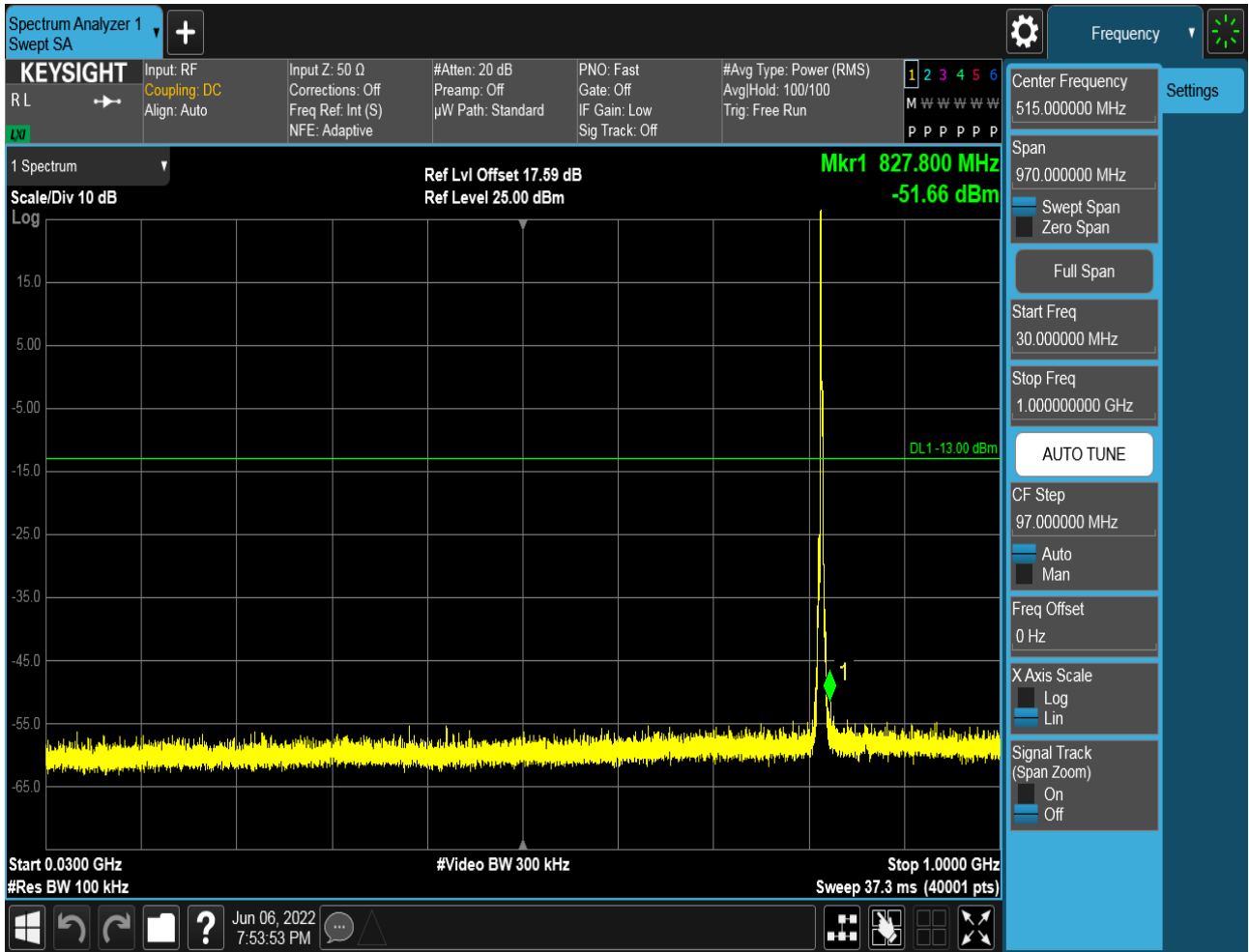


### 6.2.1.2.2.2 Test Channel = MCH

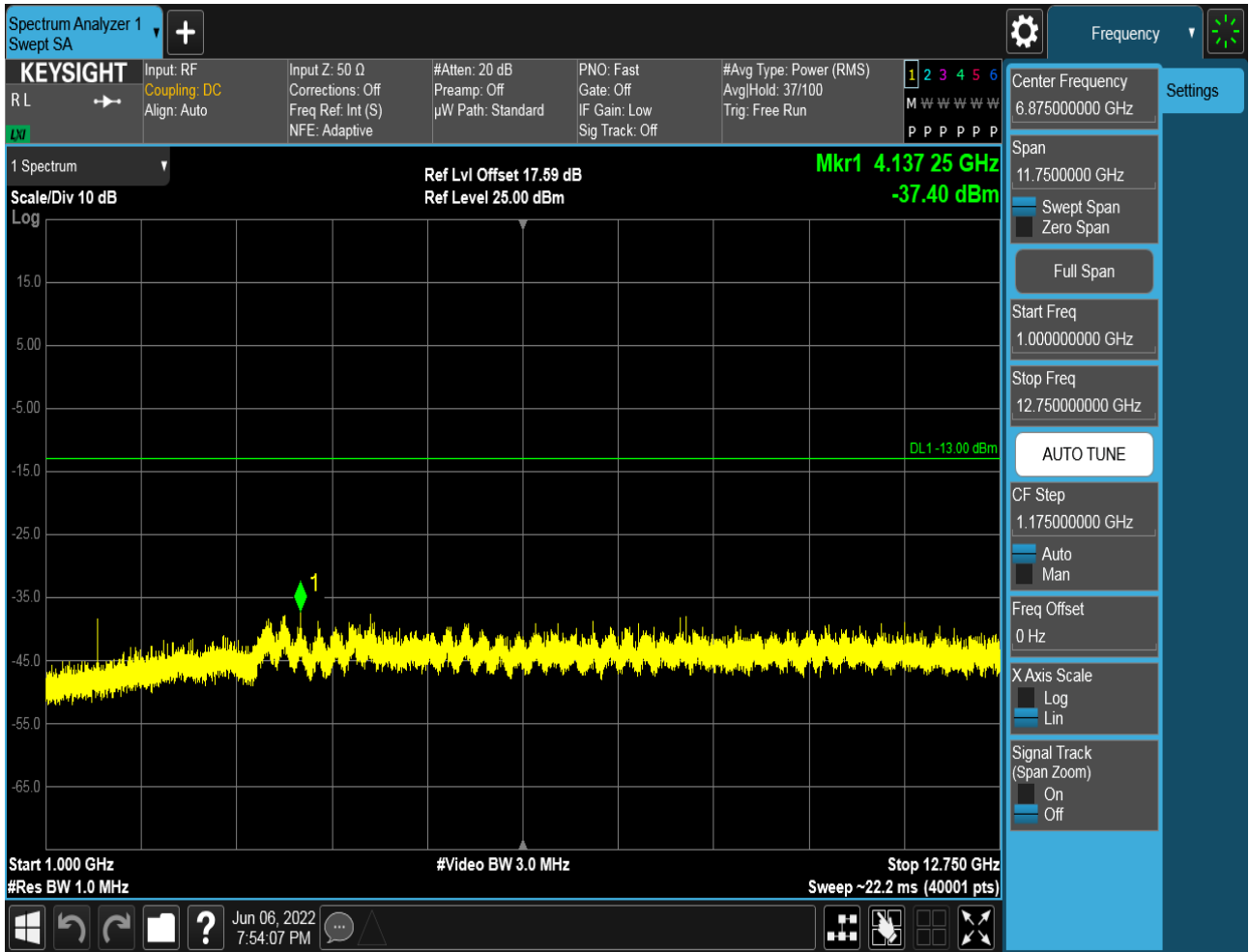
#### 6.2.1.2.2.2.1 Test RB = RB1#0







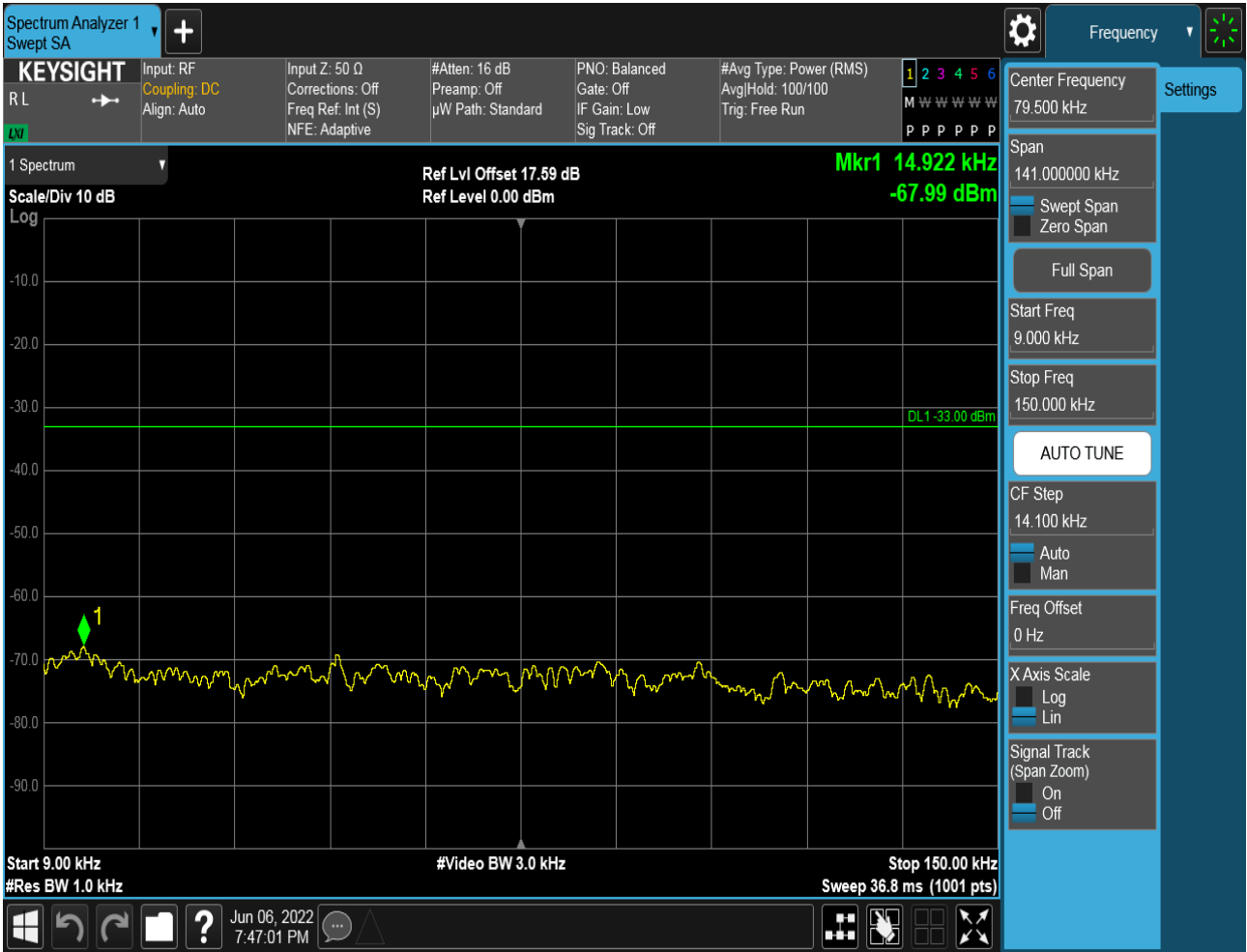


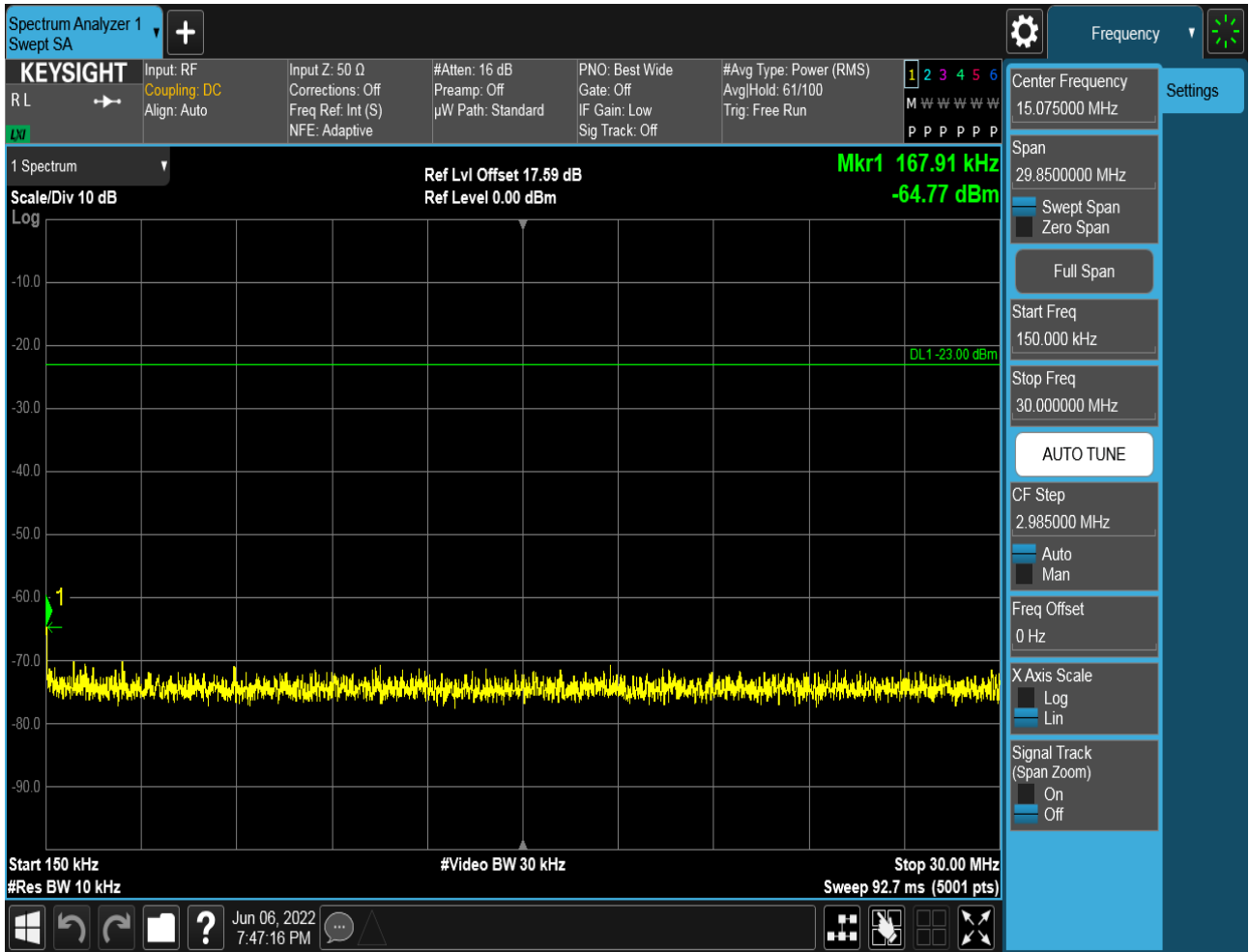


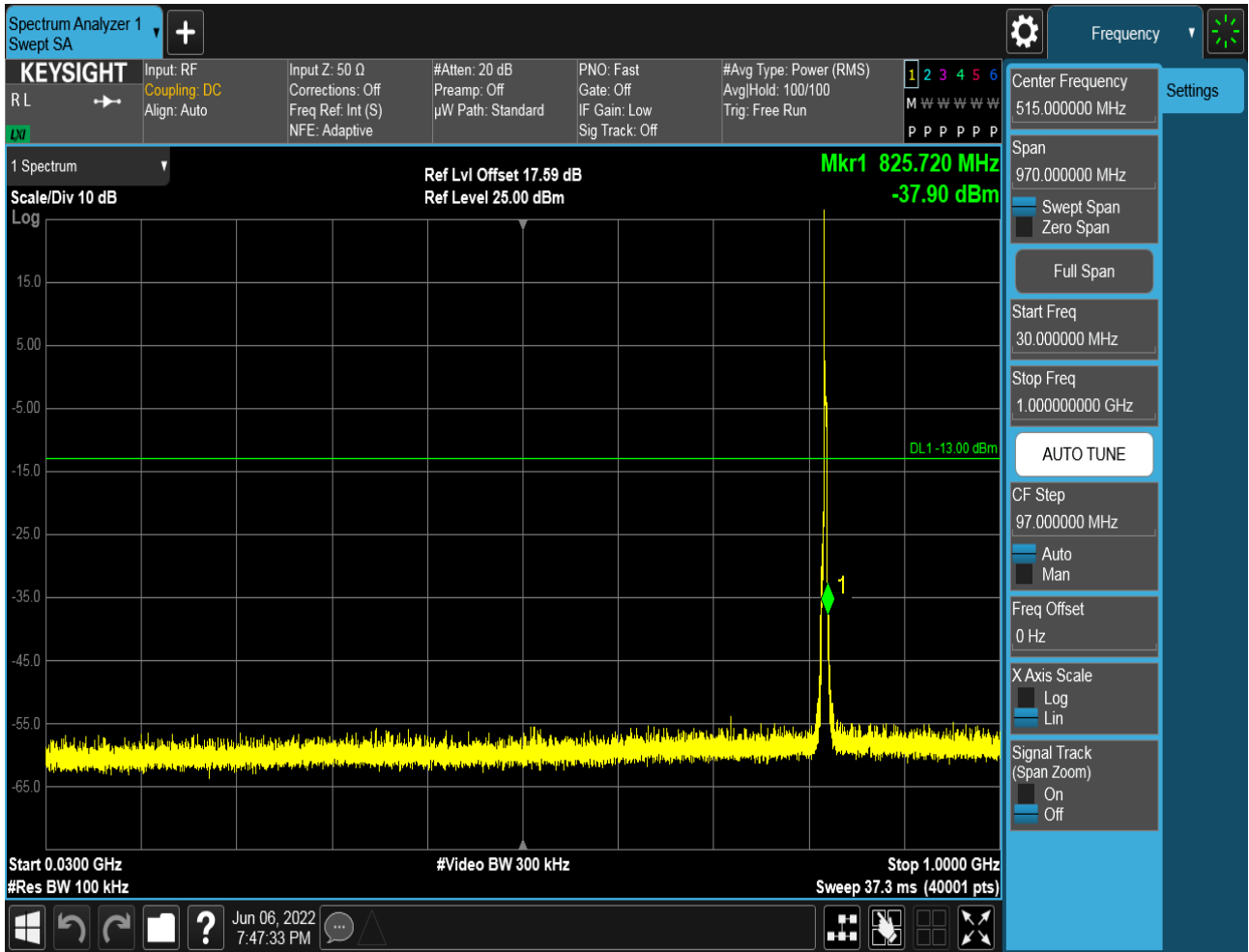


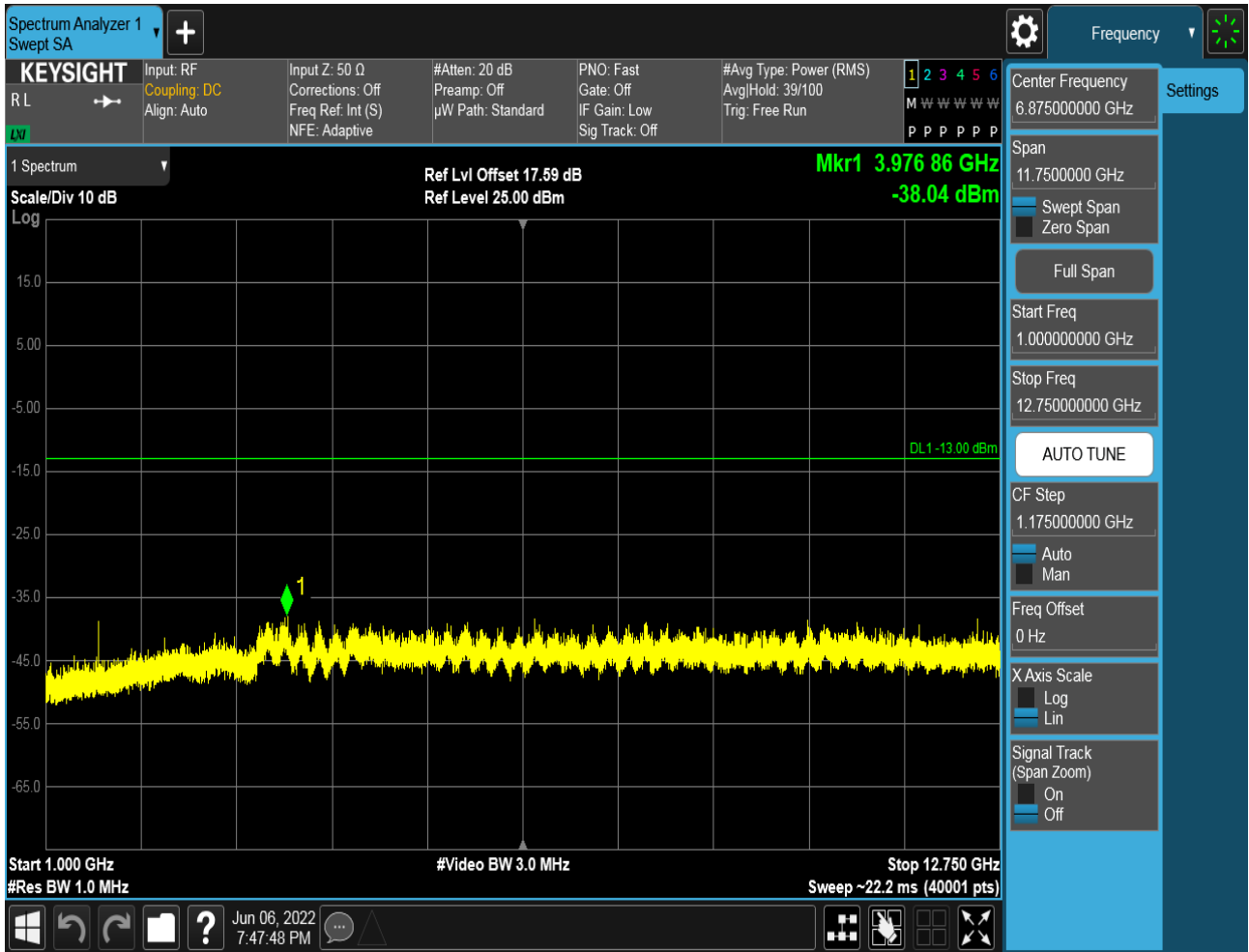
### 6.2.1.2.2.3 Test Channel = HCH

#### 6.2.1.2.2.3.1 Test RB = RB1#0







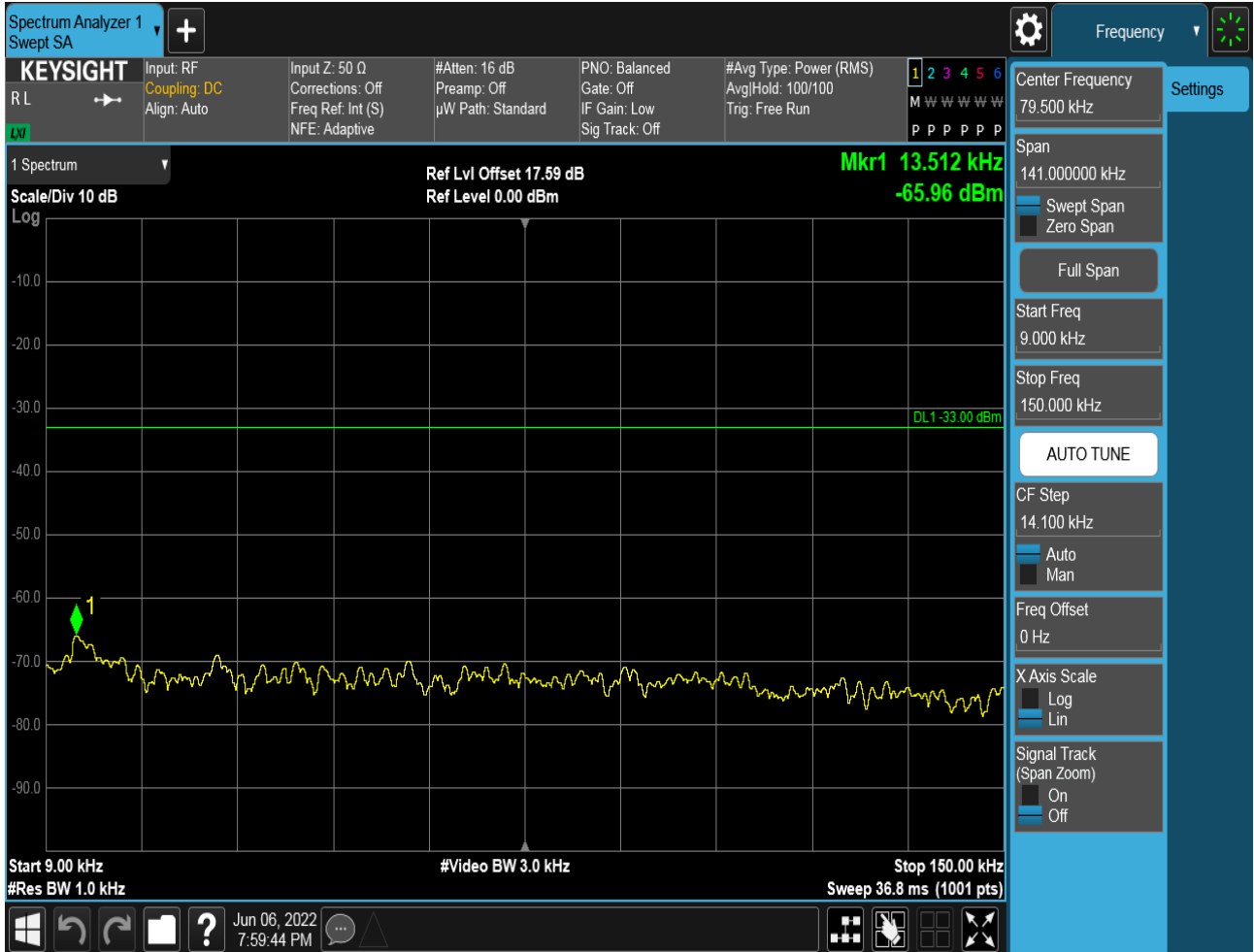


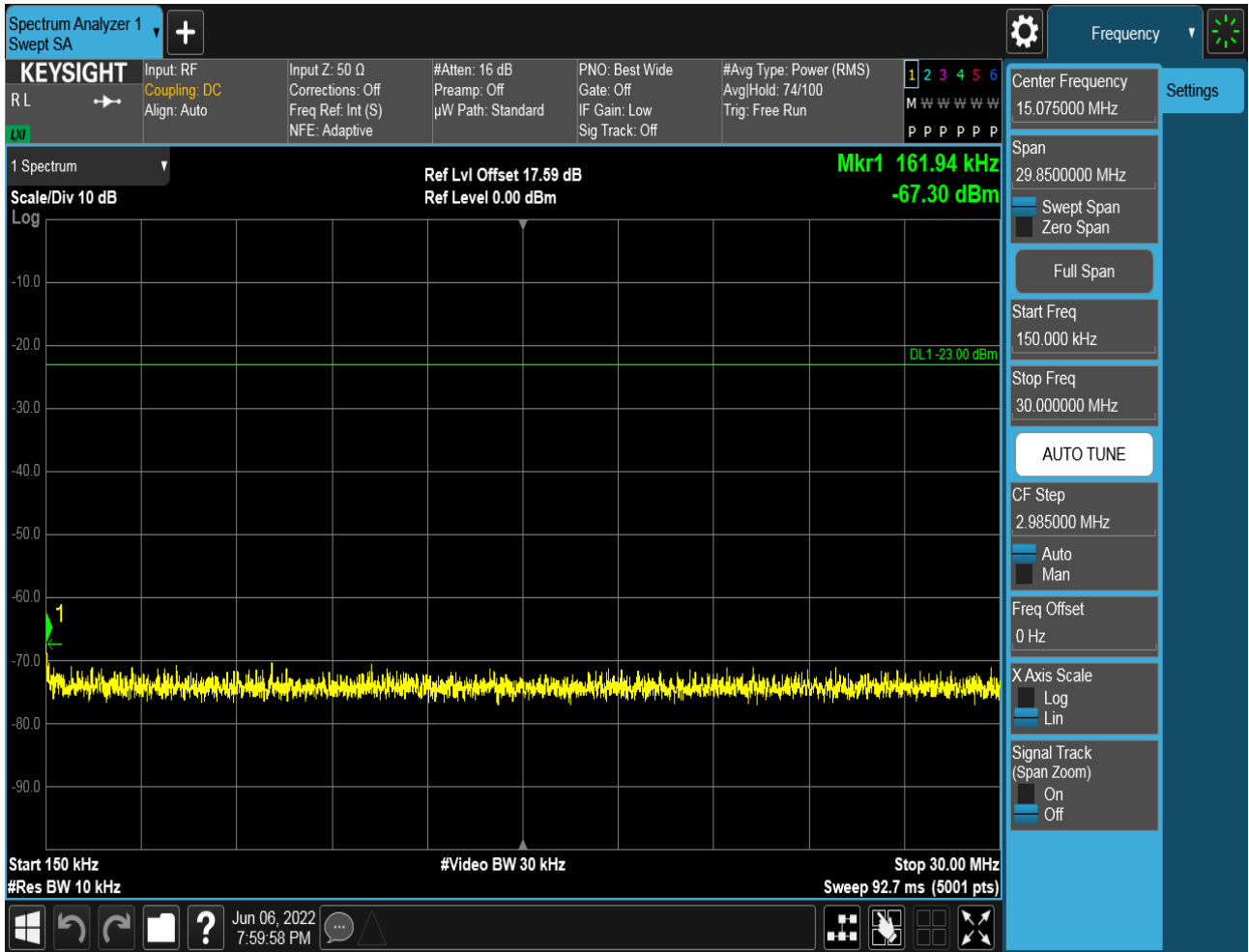


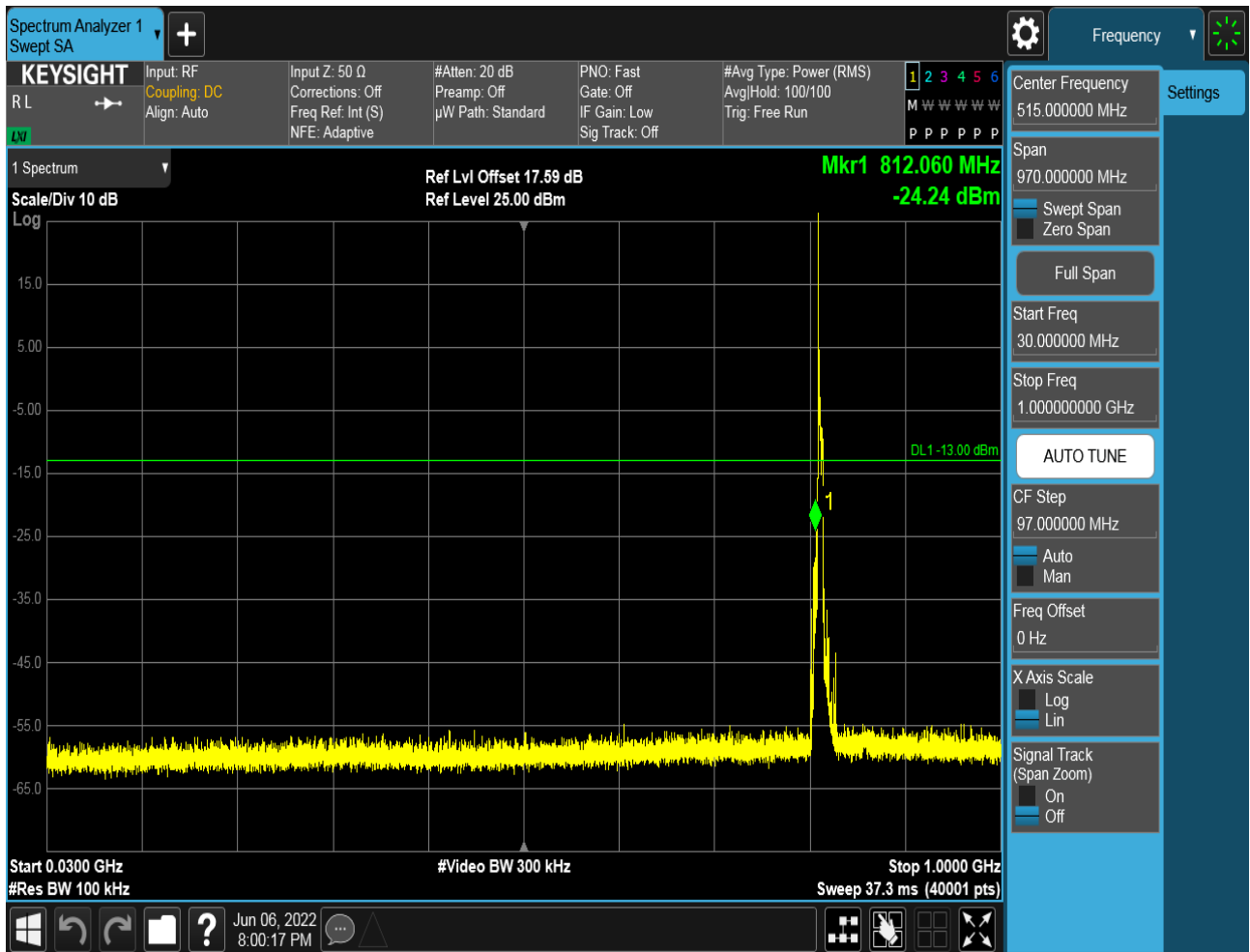
### 6.2.1.2.3 Test Bandwidth = 5MHz

#### 6.2.1.2.3.1 Test Channel = LCH

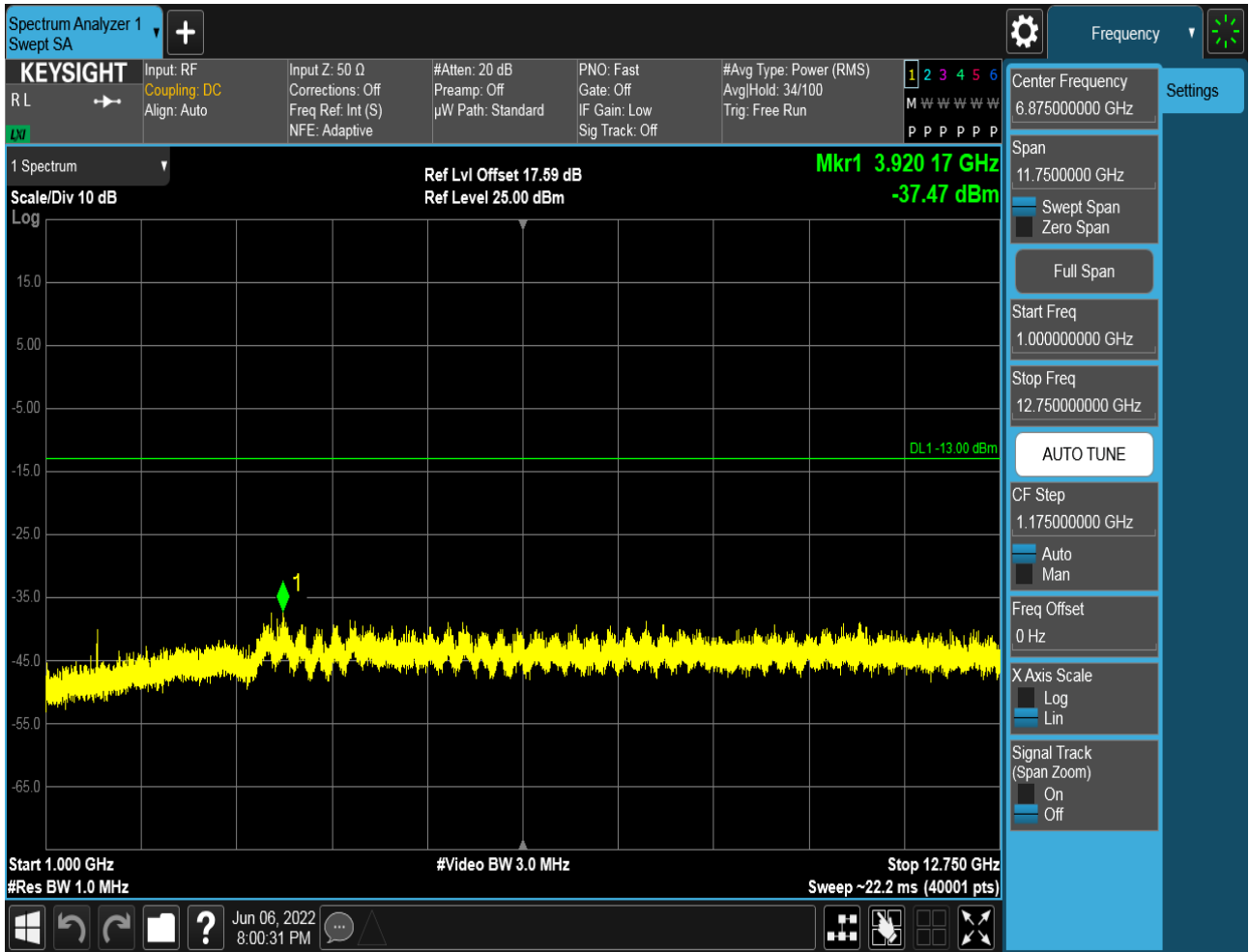
##### 6.2.1.2.3.1.1 Test RB = RB1#0







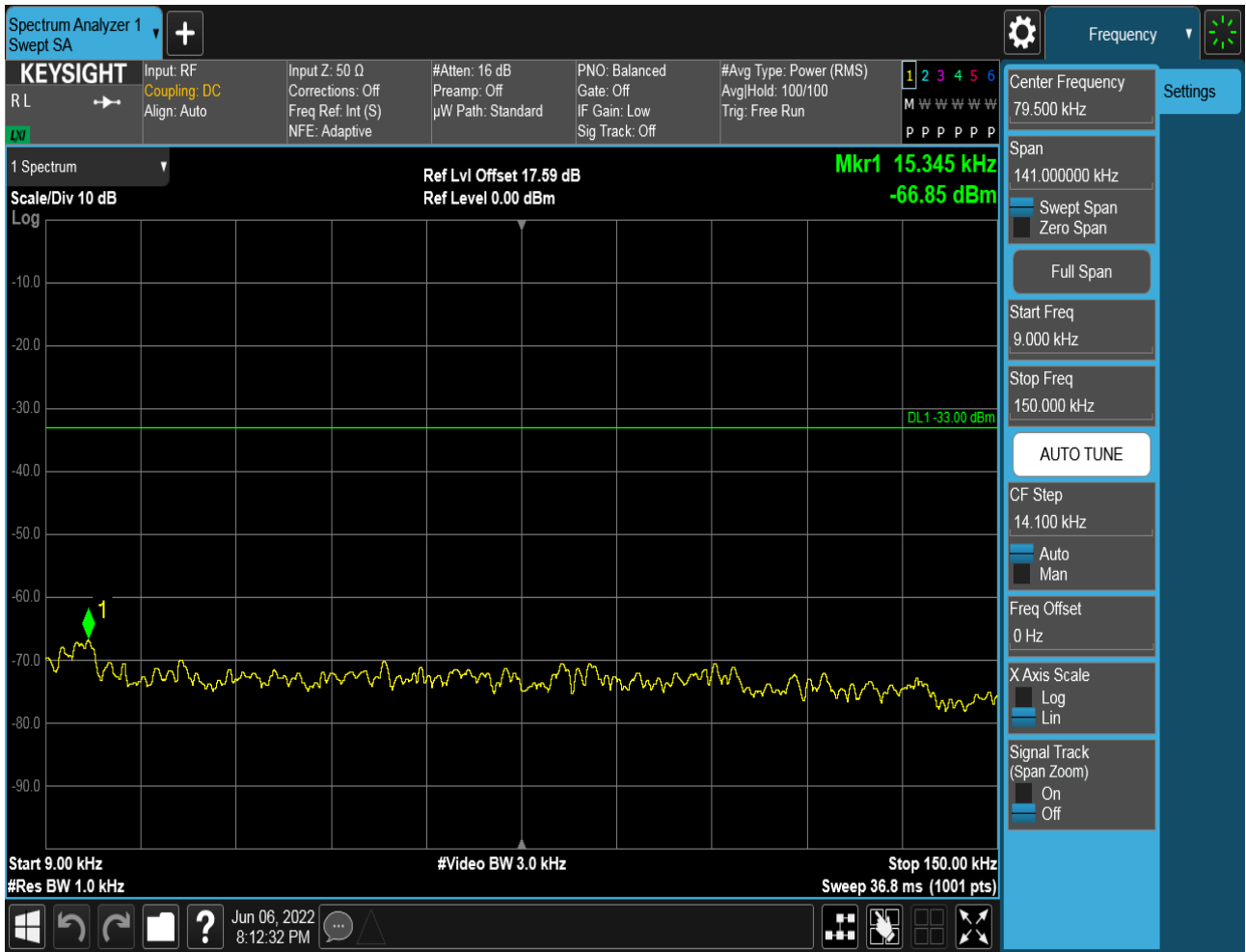


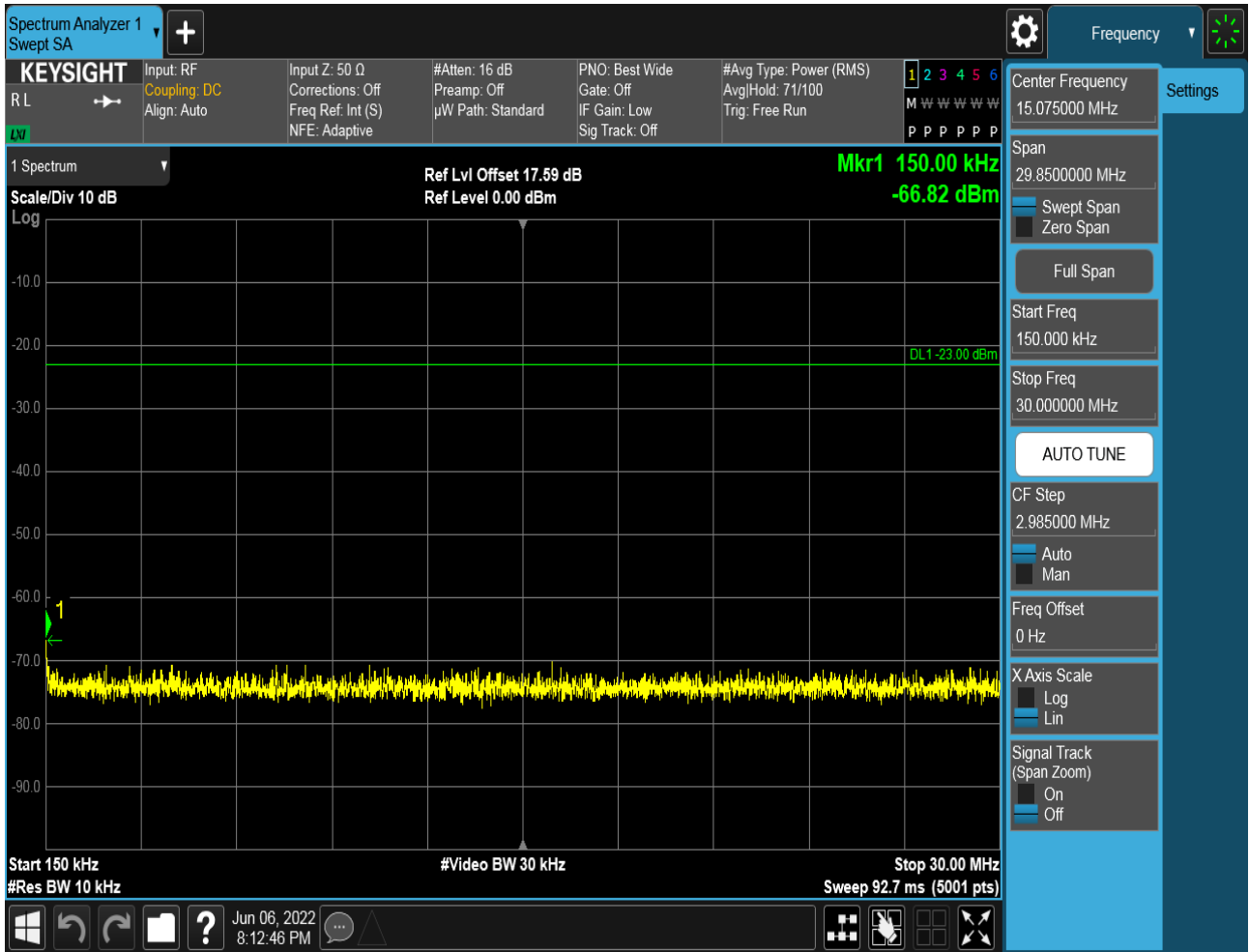


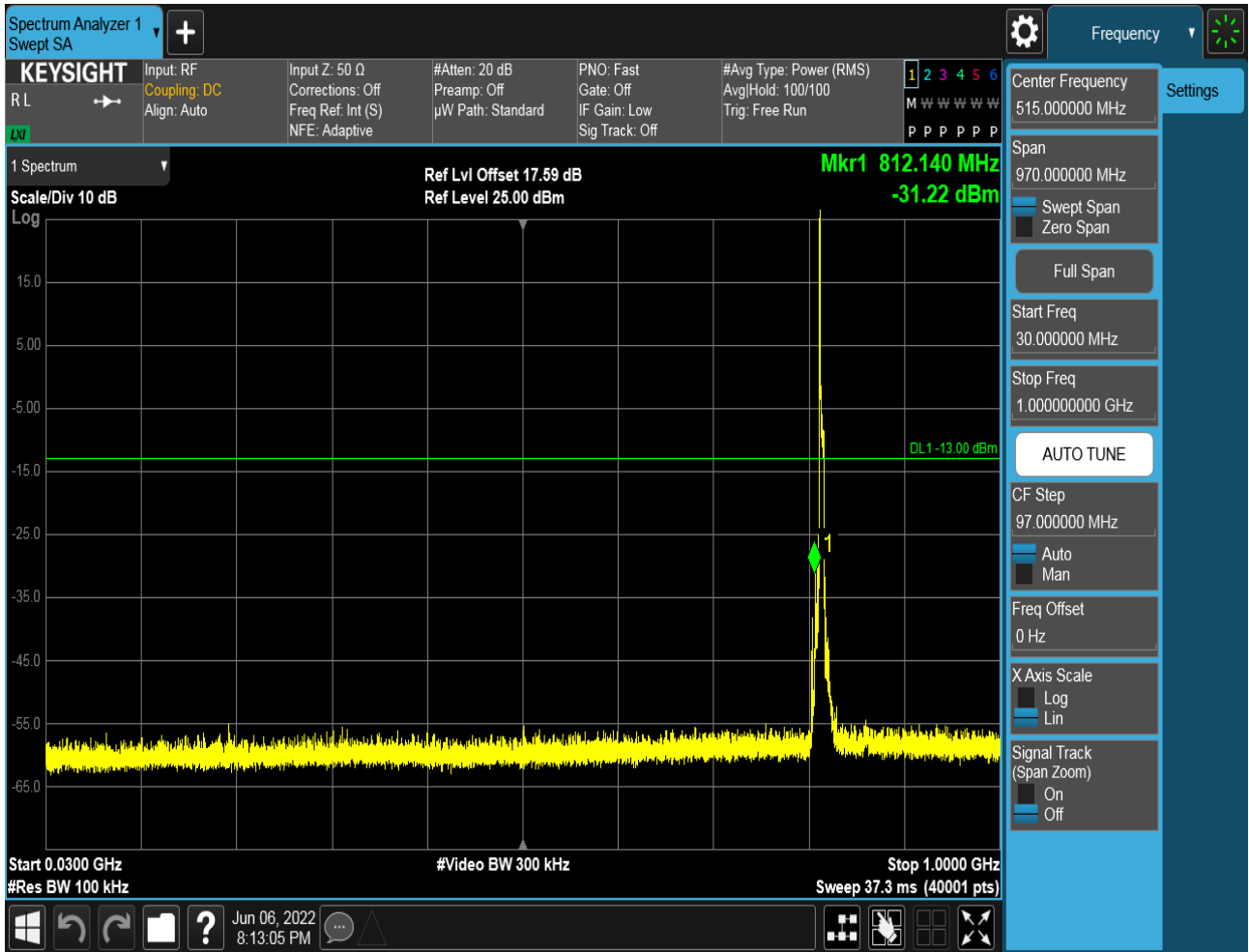


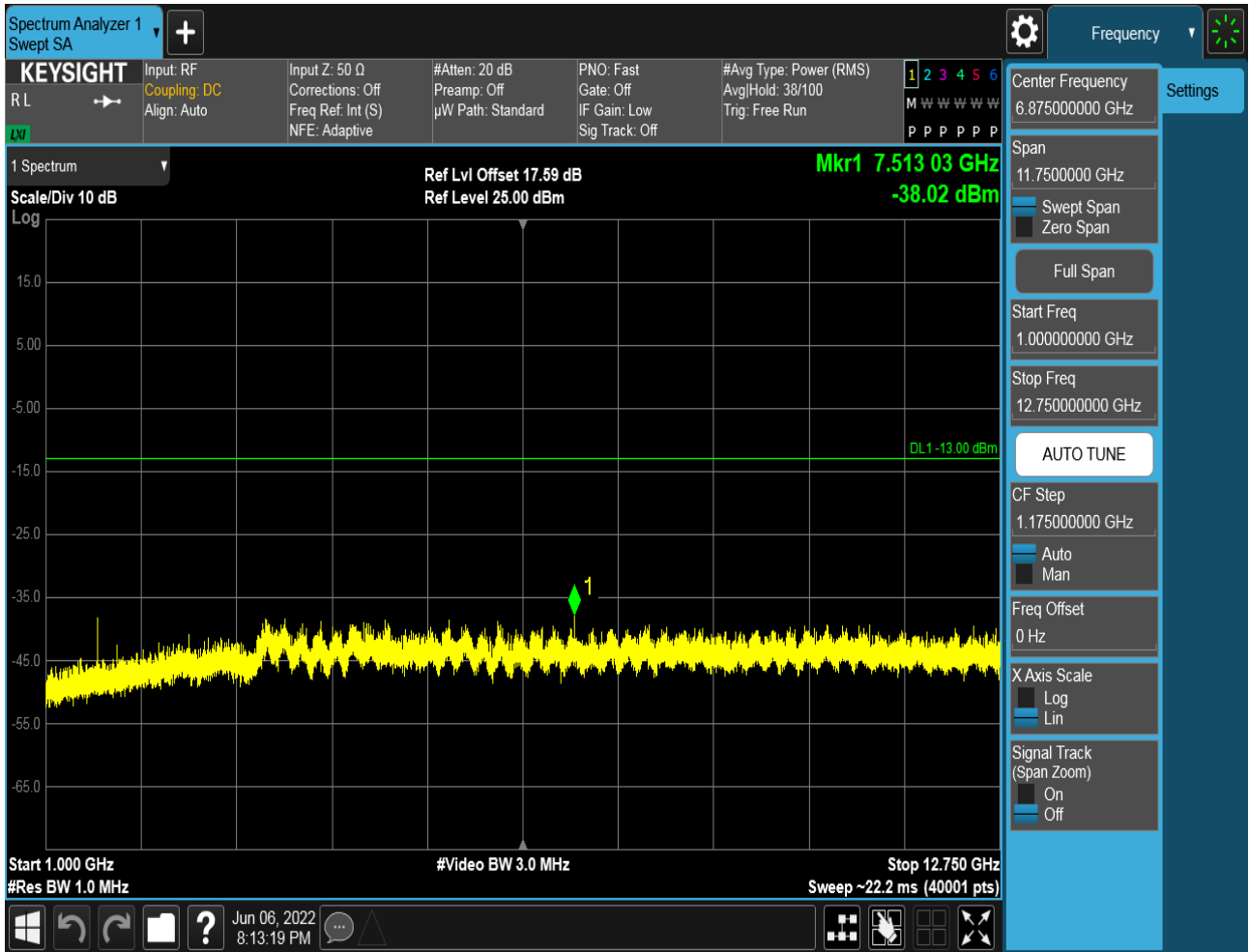
### 6.2.1.2.3.2 Test Channel = MCH

#### 6.2.1.2.3.2.1 Test RB = RB1#0





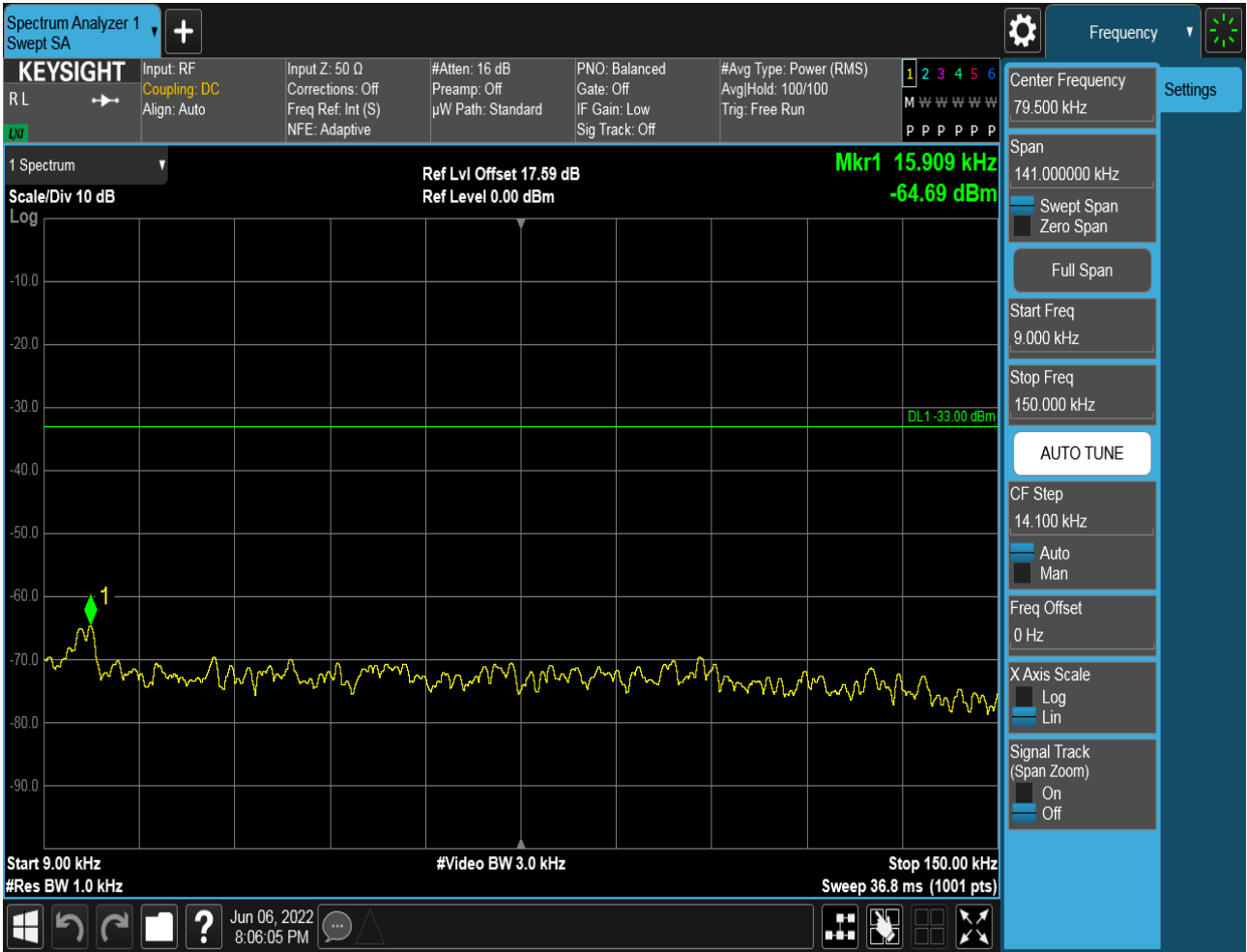


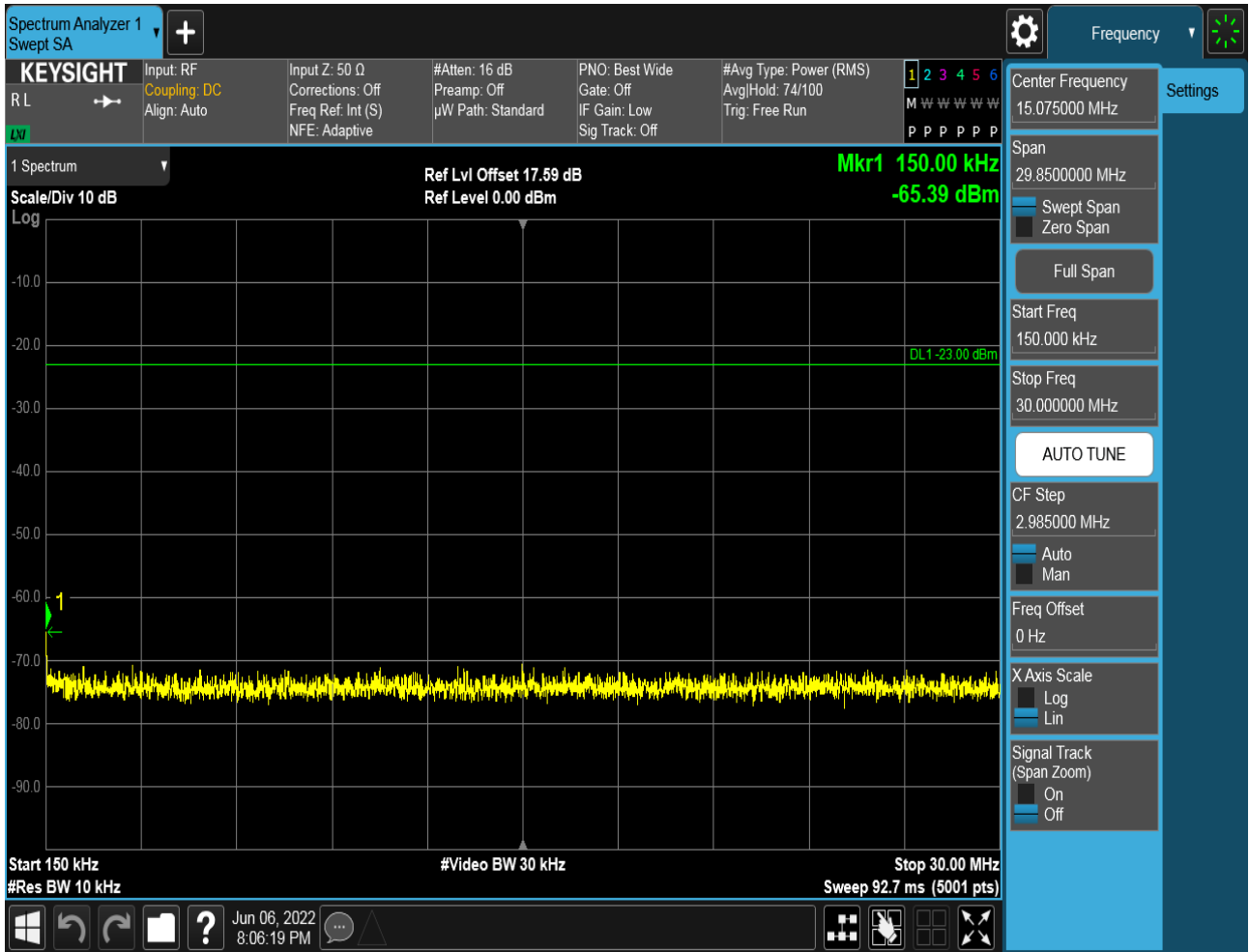


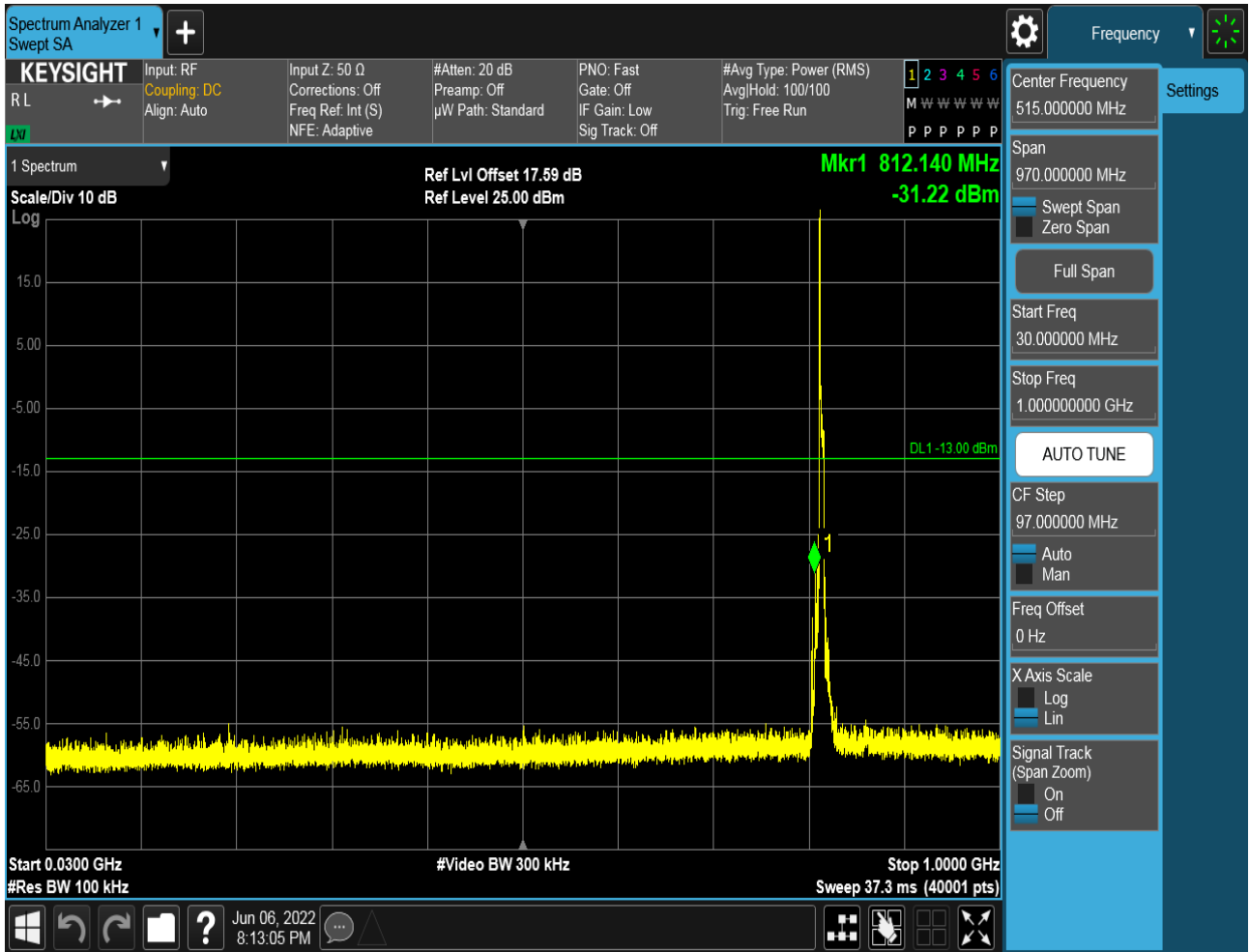


### 6.2.1.2.3.3 Test Channel = HCH

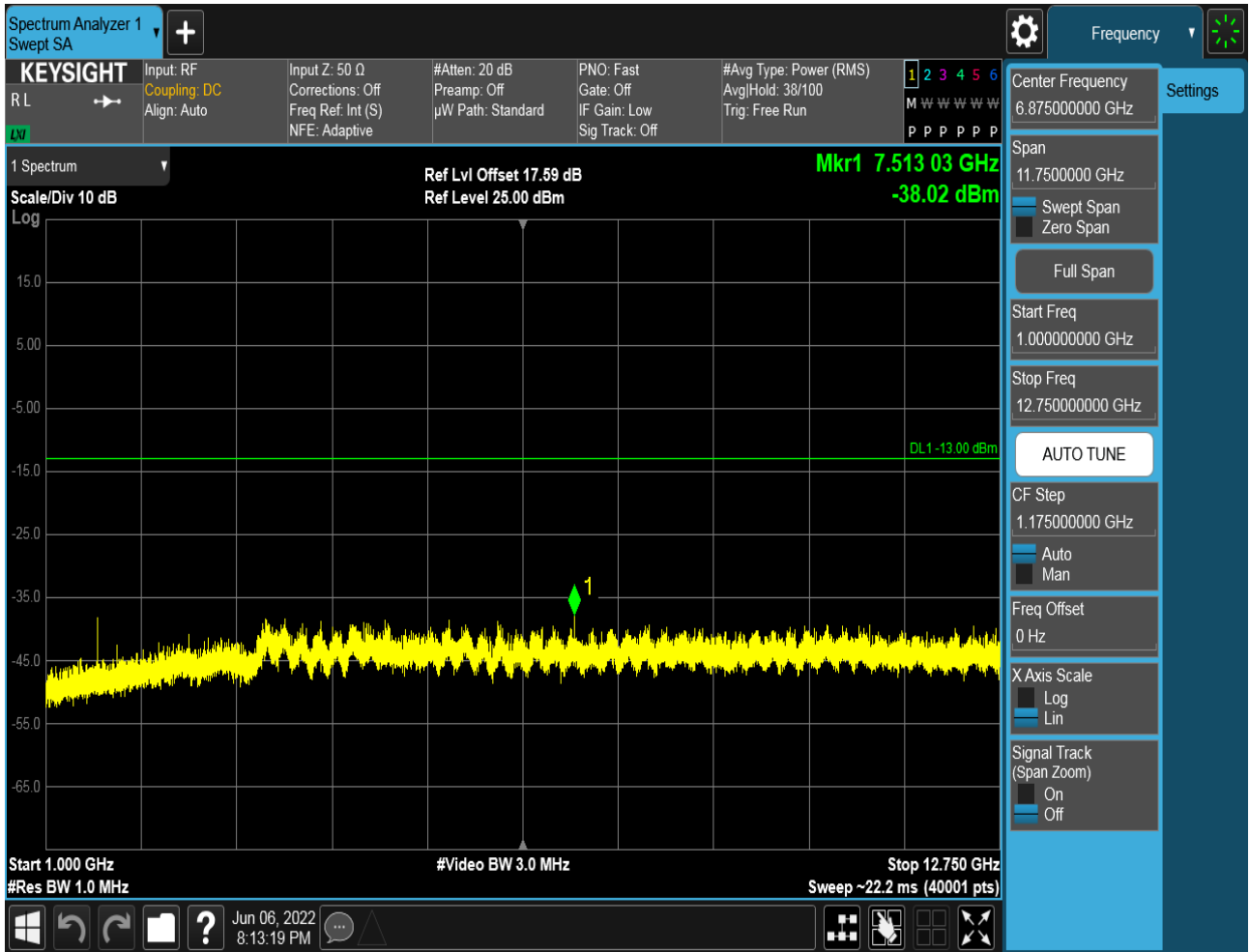
#### 6.2.1.2.3.3.1 Test RB = RB1#0









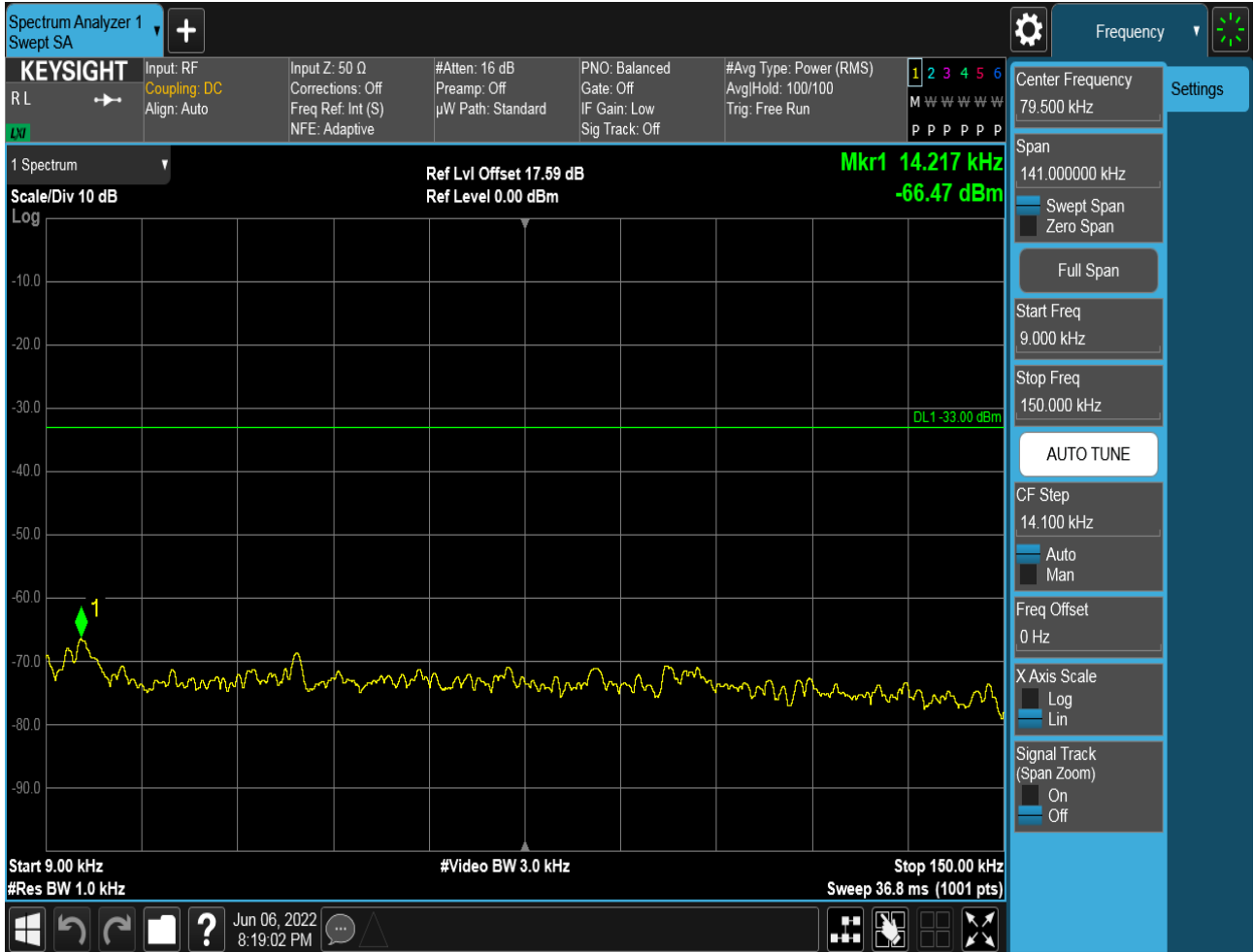


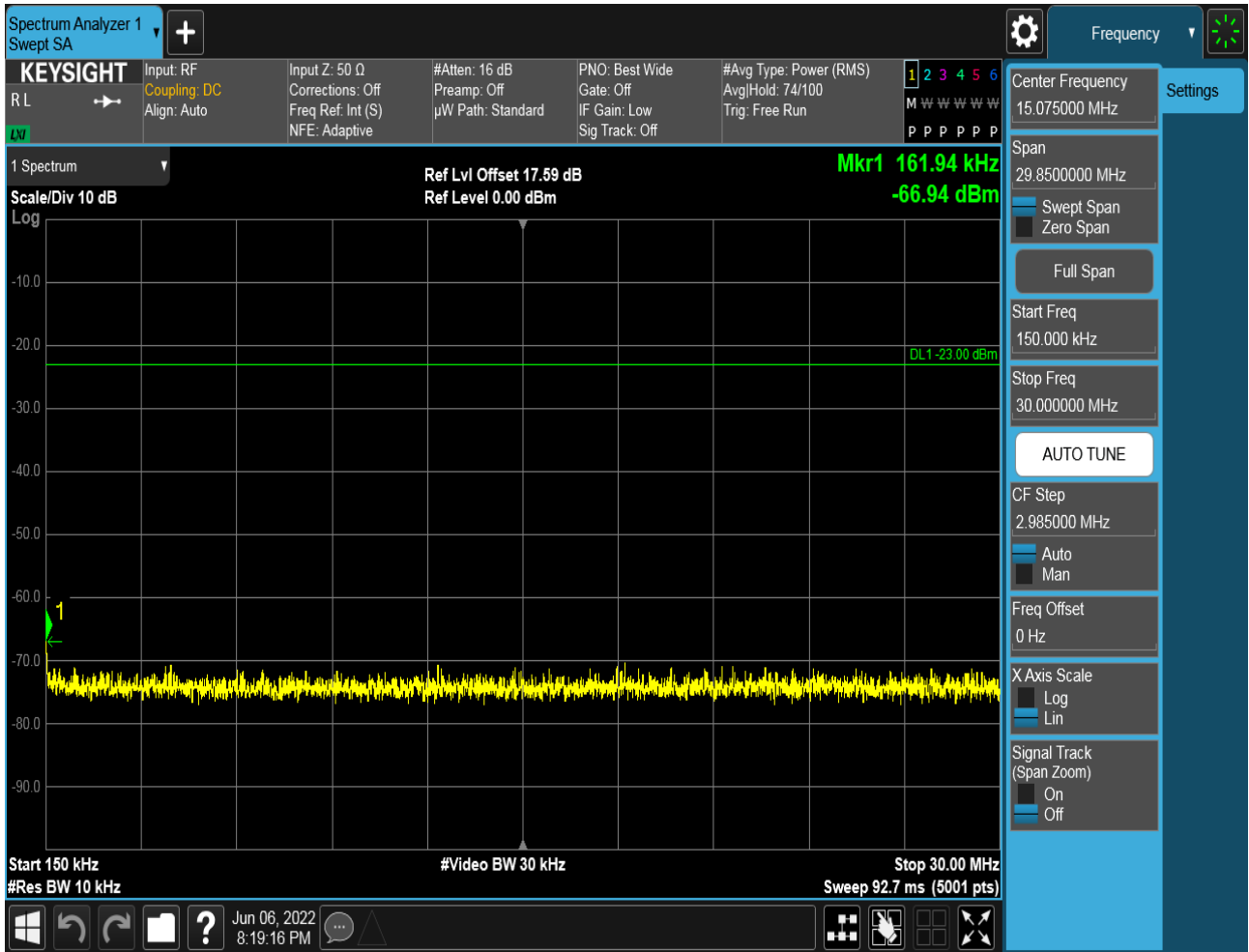


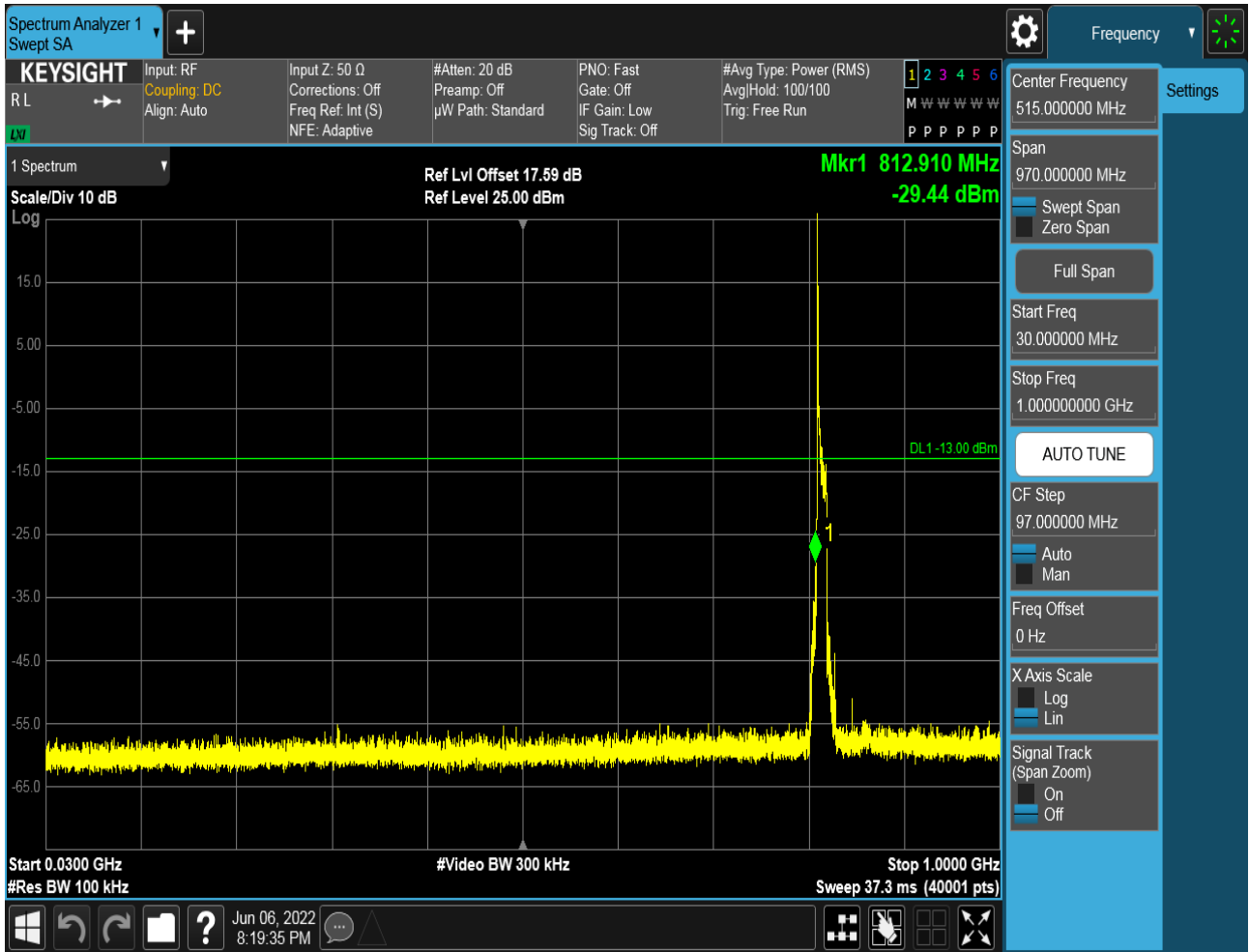
### 6.2.1.2.4 Test Bandwidth = 10MHz

#### 6.2.1.2.4.1 Test Channel = MCH

##### 6.2.1.2.4.1.1 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

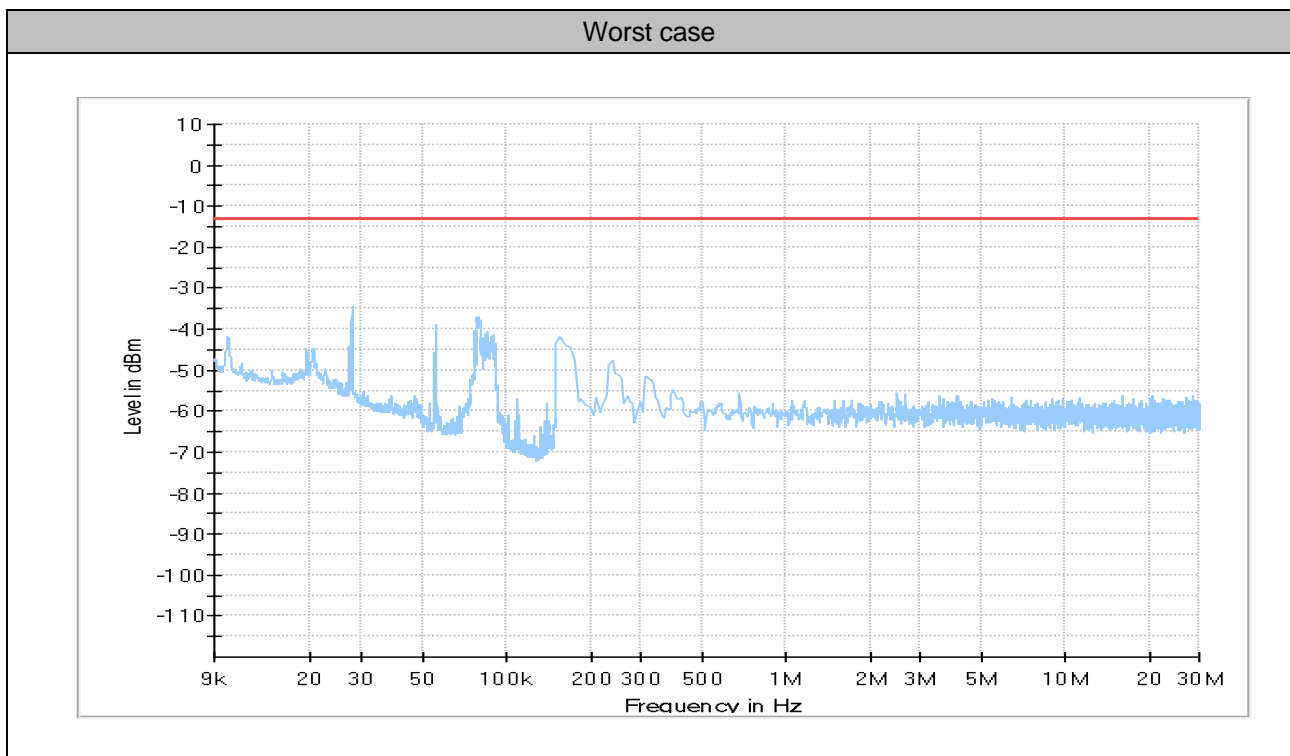
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

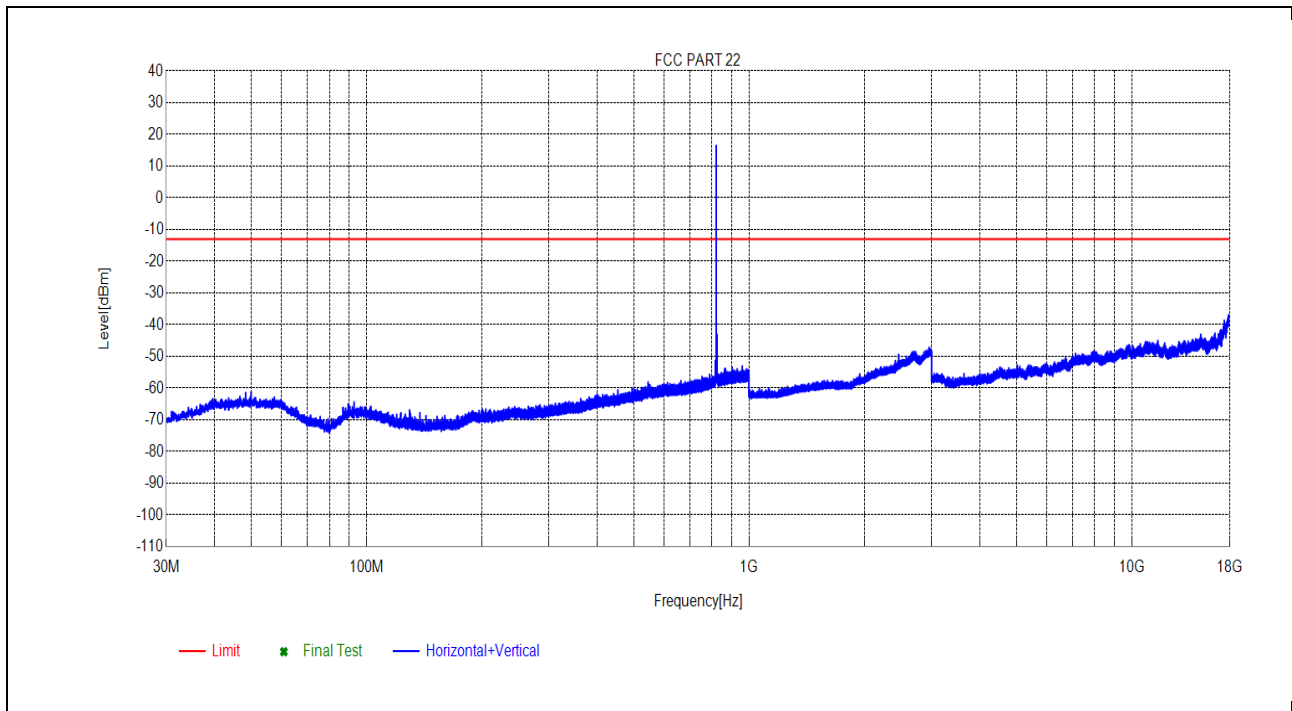
### Part I - Test Plots

#### 7.1 For LTE

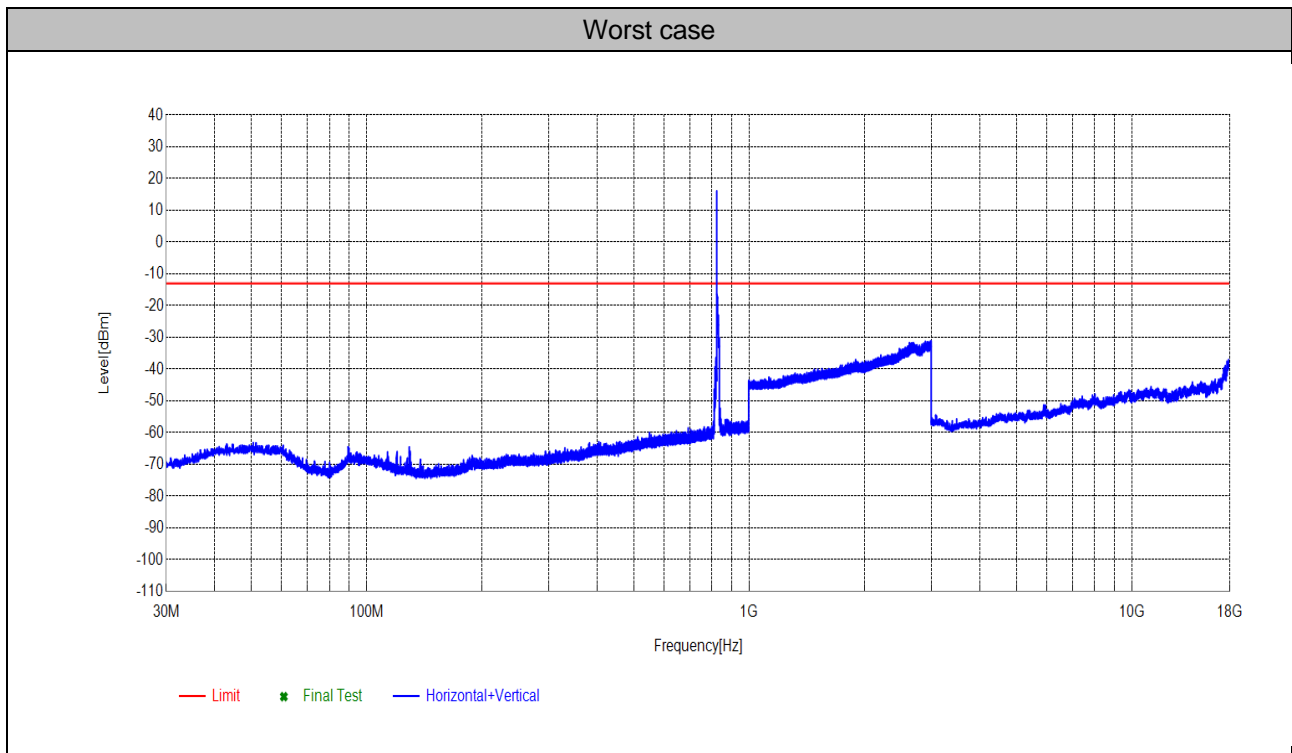
##### 7.1.1 Test Band = Band26\_A

##### 7.1.1.1 Test Bandwidth = 1.4MHz





### 7.1.1.2 Test Bandwidth = 10MHz





## 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
Band26_A	LTE/TM1	1.4	LCH	TN	VL	-6.09398	-0.00748	PASS
					VN	7.23839	0.00888	PASS
					VH	-26.45016	-0.03247	PASS
			MCH	TN	VL	-11.87325	-0.01450	PASS
					VN	5.23567	0.00639	PASS
					VH	1.27316	0.00155	PASS
			HCH	TN	VL	-4.26292	-0.00518	PASS
					VN	3.04699	0.00370	PASS
					VH	-0.92983	-0.00113	PASS
		3	LCH	TN	VL	-0.01431	-0.00002	PASS
					VN	-1.77383	-0.00218	PASS
					VH	1.43051	0.00175	PASS
			MCH	TN	VL	-7.98225	-0.00975	PASS
					VN	-14.57691	-0.01780	PASS
					VH	-4.43459	-0.00541	PASS
			HCH	TN	VL	7.05242	0.00857	PASS
					VN	4.90665	0.00597	PASS
					VH	-8.62598	-0.01049	PASS
		5	LCH	TN	VL	-0.31471	-0.00039	PASS
					VN	0.95844	0.00117	PASS
					VH	-0.51498	-0.00063	PASS
			MCH	TN	VL	-10.72884	-0.01310	PASS
					VN	-4.34875	-0.00531	PASS
					VH	2.50339	0.00306	PASS
			HCH	TN	VL	1.87397	0.00228	PASS
					VN	1.73092	0.00211	PASS
					VH	0.17166	0.00021	PASS
		10	MCH	TN	VL	-2.41756	-0.00295	PASS
					VN	0.60081	0.00073	PASS
					VH	-0.21458	-0.00026	PASS
LTE/TM2	1.4	LCH	TN	VL	-4.23431	-0.00520	PASS	
				VN	-6.15120	-0.00755	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			MCH	TN	VH	8.15391	0.01001	PASS	
					VL	-6.53744	-0.00798	PASS	
					VN	0.82970	0.00101	PASS	
					VH	-18.28194	-0.02232	PASS	
			HCH	TN	VL	1.90258	0.00231	PASS	
					VN	-7.63893	-0.00928	PASS	
					VH	-7.58171	-0.00921	PASS	
					VL	1.17302	0.00144	PASS	
			3	LCH	TN	VN	3.99113	0.00489	PASS
						VH	-1.64509	-0.00202	PASS
						VL	1.64509	0.00201	PASS
				MCH	TN	VN	-10.52856	-0.01286	PASS
		VH				-7.93934	-0.00969	PASS	
		VL				-0.20027	-0.00024	PASS	
		HCH		TN	VN	-0.70095	-0.00085	PASS	
					VH	3.21865	0.00391	PASS	
					VL	-0.38624	-0.00047	PASS	
		5	LCH	TN	VN	-1.55926	-0.00191	PASS	
					VH	-2.74658	-0.00336	PASS	
					VL	-0.70095	-0.00086	PASS	
			MCH	TN	VN	-3.00407	-0.00367	PASS	
					VH	9.62734	0.01175	PASS	
					VL	2.84672	0.00347	PASS	
			HCH	TN	VN	3.01838	0.00367	PASS	
					VH	-1.40190	-0.00171	PASS	
					VL	-5.42164	-0.00662	PASS	
		10	MCH	TN	VN	0.14305	0.00017	PASS	
VH	2.04563				0.00250	PASS			
VL									

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
Band26_A	LTE/TM1	1.4	LCH	VN	-30	-1.48773	-0.00183	PASS
					-20	6.52313	0.00801	PASS
					-10	5.50747	0.00676	PASS
					0	-7.25269	-0.00890	PASS
					10	2.40326	0.00295	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		3			20	7.23839	0.00888	PASS
					30	-1.98841	-0.00244	PASS
					40	0.95844	0.00118	PASS
					50	-14.66274	-0.01800	PASS
			MCH	VN	-30	3.81947	0.00466	PASS
					-20	3.17573	0.00388	PASS
					-10	-6.10828	-0.00746	PASS
					0	-11.55853	-0.01411	PASS
					10	-1.93119	-0.00236	PASS
					20	5.23567	0.00639	PASS
					30	-11.50131	-0.01404	PASS
					40	-11.05785	-0.01350	PASS
			HCH	VN	50	8.49724	0.01038	PASS
					-30	-3.91960	-0.00476	PASS
					-20	0.44346	0.00054	PASS
					-10	1.28746	0.00156	PASS
					0	-3.36170	-0.00408	PASS
					10	18.31055	0.02224	PASS
					20	3.04699	0.00370	PASS
					30	-6.38008	-0.00775	PASS
			LCH	VN	40	-5.17845	-0.00629	PASS
					50	-4.64916	-0.00565	PASS
					-30	1.21593	0.00149	PASS
					-20	-2.83241	-0.00347	PASS
					-10	-1.67370	-0.00205	PASS
					0	-0.70095	-0.00086	PASS
					10	-1.58787	-0.00195	PASS
					20	-1.77383	-0.00218	PASS
					30	0.35763	0.00044	PASS
					40	-1.64509	-0.00202	PASS
					50	0.41485	0.00051	PASS
					MCH	VN	-30	0.67234
			-20	0.38624			0.00047	PASS
			-10	5.99384			0.00732	PASS
			0	-10.35690			-0.01265	PASS
			10	-1.83106			-0.00224	PASS
20	-14.57691	-0.01780	PASS					
30	1.15871	0.00141	PASS					
40	4.90665	0.00599	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	6.09398	0.00744	PASS
					-30	2.43187	0.00296	PASS
					-20	4.99249	0.00607	PASS
					-10	-2.91824	-0.00355	PASS
					0	-5.87940	-0.00715	PASS
					10	-0.98705	-0.00120	PASS
					20	4.90665	0.00597	PASS
					30	-5.33581	-0.00649	PASS
					40	-2.14577	-0.00261	PASS
					50	-7.02381	-0.00854	PASS
			LCH	VN	-30	2.87533	0.00352	PASS
					-20	0.11444	0.00014	PASS
					-10	1.21593	0.00149	PASS
					0	0.72956	0.00089	PASS
					10	0.45776	0.00056	PASS
					20	0.95844	0.00117	PASS
					30	1.50204	0.00184	PASS
					40	1.20163	0.00147	PASS
					50	-2.57492	-0.00315	PASS
						MCH	VN	-30
		-20	5.10693	0.00624				PASS
		-10	-4.09126	-0.00500				PASS
		0	-2.97546	-0.00363				PASS
		10	-9.18388	-0.01121				PASS
		20	-4.34875	-0.00531				PASS
		30	4.23431	0.00517				PASS
		40	-1.17302	-0.00143				PASS
		50	-4.92096	-0.00601				PASS
			HCH	VN				-30
					-20	-1.18732	-0.00145	PASS
					-10	0.50068	0.00061	PASS
					0	-1.14441	-0.00139	PASS
					10	-0.85831	-0.00104	PASS
					20	1.73092	0.00211	PASS
					30	1.77383	0.00216	PASS
					40	-1.27316	-0.00155	PASS
					50	-2.27451	-0.00277	PASS
						MCH	VN	-30
		-20	0.47207	0.00058				PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	3.51906	0.00430	PASS		
					0	1.24455	0.00152	PASS		
					10	-7.35283	-0.00898	PASS		
					20	0.60081	0.00073	PASS		
					30	2.73228	0.00334	PASS		
					40	-2.37465	-0.00290	PASS		
					50	-0.30041	-0.00037	PASS		
	LTE/TM2	1.4	LCH	VN	-30	-16.10756	-0.01977	PASS		
					-20	1.14441	0.00140	PASS		
					-10	-9.38415	-0.01152	PASS		
					0	-11.24382	-0.01380	PASS		
					10	-13.38959	-0.01643	PASS		
					20	-6.15120	-0.00755	PASS		
					30	-13.61847	-0.01672	PASS		
					40	7.05242	0.00866	PASS		
					50	-6.89506	-0.00846	PASS		
					MCH	VN	-30	7.73907	0.00945	PASS
							-20	-1.83106	-0.00224	PASS
							-10	-0.68665	-0.00084	PASS
							0	4.37737	0.00534	PASS
							10	-10.37121	-0.01266	PASS
			20	0.82970			0.00101	PASS		
			30	-6.99520			-0.00854	PASS		
			HCH	VN	-10	-5.12123	-0.00625	PASS		
					50	2.57492	0.00314	PASS		
					-30	1.71661	0.00209	PASS		
					-20	6.32286	0.00768	PASS		
					-10	-1.21593	-0.00148	PASS		
					0	7.16686	0.00871	PASS		
					10	-11.60145	-0.01409	PASS		
			3	LCH	VN	20	-7.63893	-0.00928	PASS	
						30	-3.23296	-0.00393	PASS	
						40	-9.98497	-0.01213	PASS	
50						-3.31879	-0.00403	PASS		
-30						-0.30041	-0.00037	PASS		
-20	-4.10557	-0.00503				PASS				
					-10	-2.81811	-0.00346	PASS		
					0	-3.83377	-0.00470	PASS		
					10	-3.19004	-0.00391	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	3.99113	0.00489	PASS		
					30	-3.50475	-0.00430	PASS		
					40	-1.27316	-0.00156	PASS		
					50	-4.00543	-0.00491	PASS		
			MCH	VN	-30	-4.73499	-0.00578	PASS		
					-20	2.50339	0.00306	PASS		
					-10	13.91888	0.01699	PASS		
					0	-7.56741	-0.00924	PASS		
					10	2.96116	0.00362	PASS		
					20	-10.52856	-0.01286	PASS		
					30	-2.13146	-0.00260	PASS		
					40	-6.98090	-0.00852	PASS		
					50	8.06808	0.00985	PASS		
					HCH	VN	-30	-5.50747	-0.00670	PASS
							-20	4.79221	0.00583	PASS
							-10	-4.93527	-0.00600	PASS
			0	3.36170			0.00409	PASS		
			10	6.32286			0.00769	PASS		
			20	-0.70095			-0.00085	PASS		
			30	-3.21865			-0.00391	PASS		
			40	-2.11716			-0.00257	PASS		
			5	LCH	VN	-30	-5.23567	-0.00641	PASS	
						-20	-2.10285	-0.00258	PASS	
						-10	0.72956	0.00089	PASS	
						0	-0.25749	-0.00032	PASS	
						10	-3.63350	-0.00445	PASS	
						20	-1.55926	-0.00191	PASS	
						30	-0.95844	-0.00117	PASS	
						40	1.24455	0.00152	PASS	
				MCH	VN	-30	-0.50068	-0.00061	PASS	
						-20	15.32078	0.01871	PASS	
						-10	-0.62943	-0.00077	PASS	
						0	4.60625	0.00562	PASS	
						10	1.23024	0.00150	PASS	
						20	-3.00407	-0.00367	PASS	
						30	-3.01838	-0.00369	PASS	
						40	0.37193	0.00045	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	2.74658	0.00335	PASS
					-30	3.06129	0.00373	PASS
					-20	5.66483	0.00690	PASS
					-10	2.51770	0.00306	PASS
					0	3.36170	0.00409	PASS
					10	4.00543	0.00488	PASS
					20	3.01838	0.00367	PASS
					30	0.52929	0.00064	PASS
					40	-0.34332	-0.00042	PASS
		50	1.83106	0.00223	PASS			
		10	MCH	VN	-30	3.66211	0.00447	PASS
					-20	1.33038	0.00162	PASS
					-10	1.61648	0.00197	PASS
					0	2.80380	0.00342	PASS
					10	2.67506	0.00327	PASS
					20	0.14305	0.00017	PASS
					30	-2.90394	-0.00355	PASS
					40	-1.84536	-0.00225	PASS
50	-4.07696				-0.00498	PASS		

END