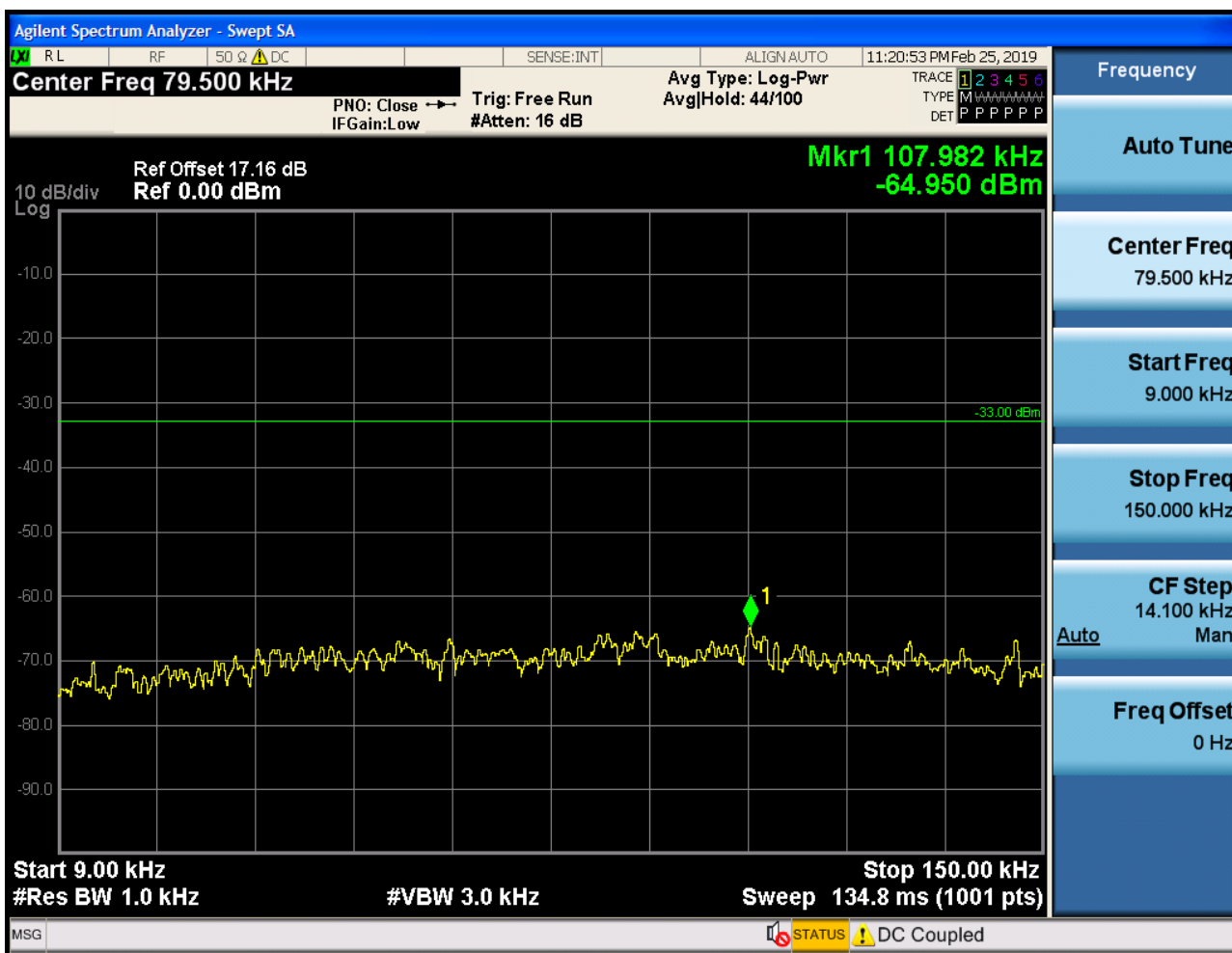
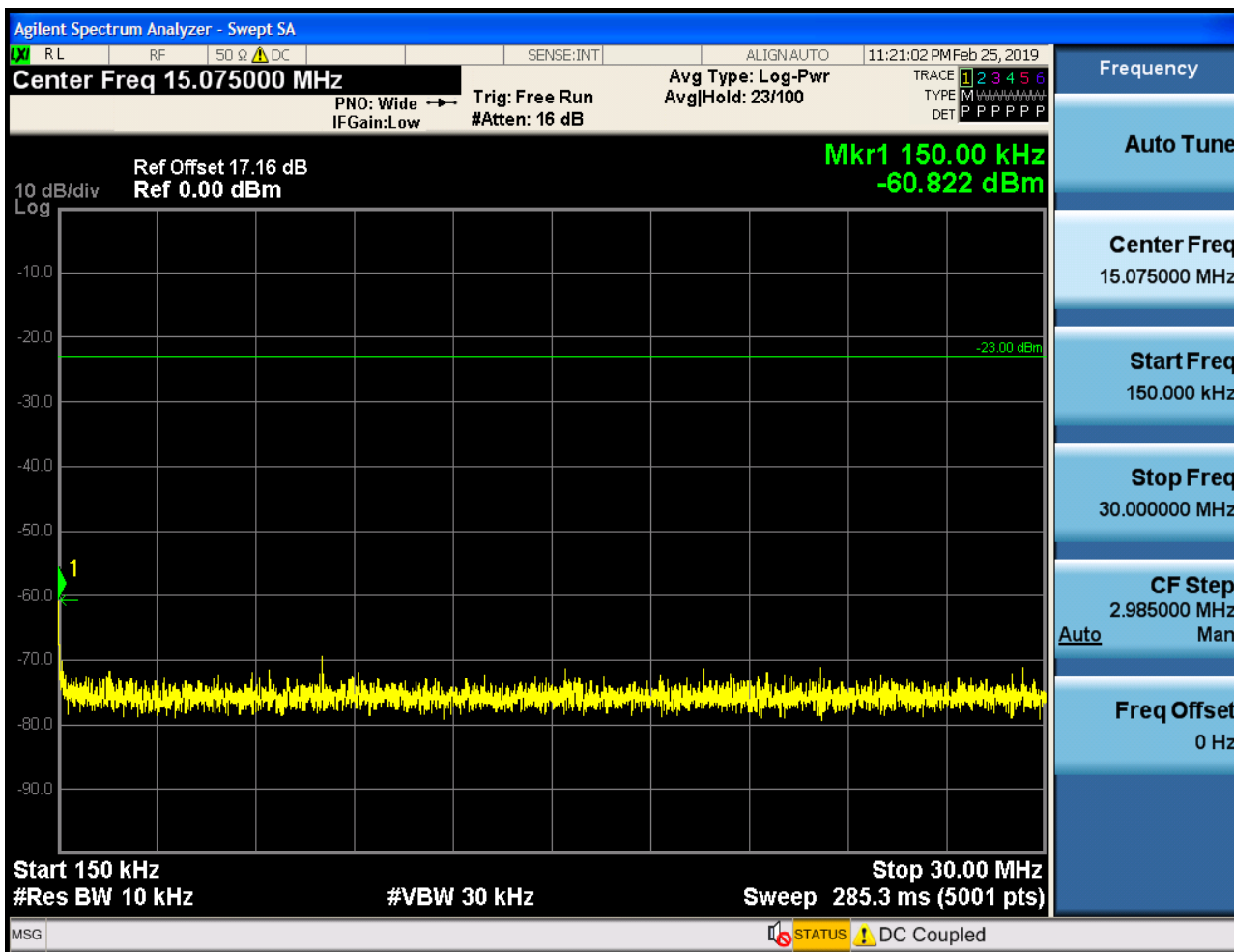


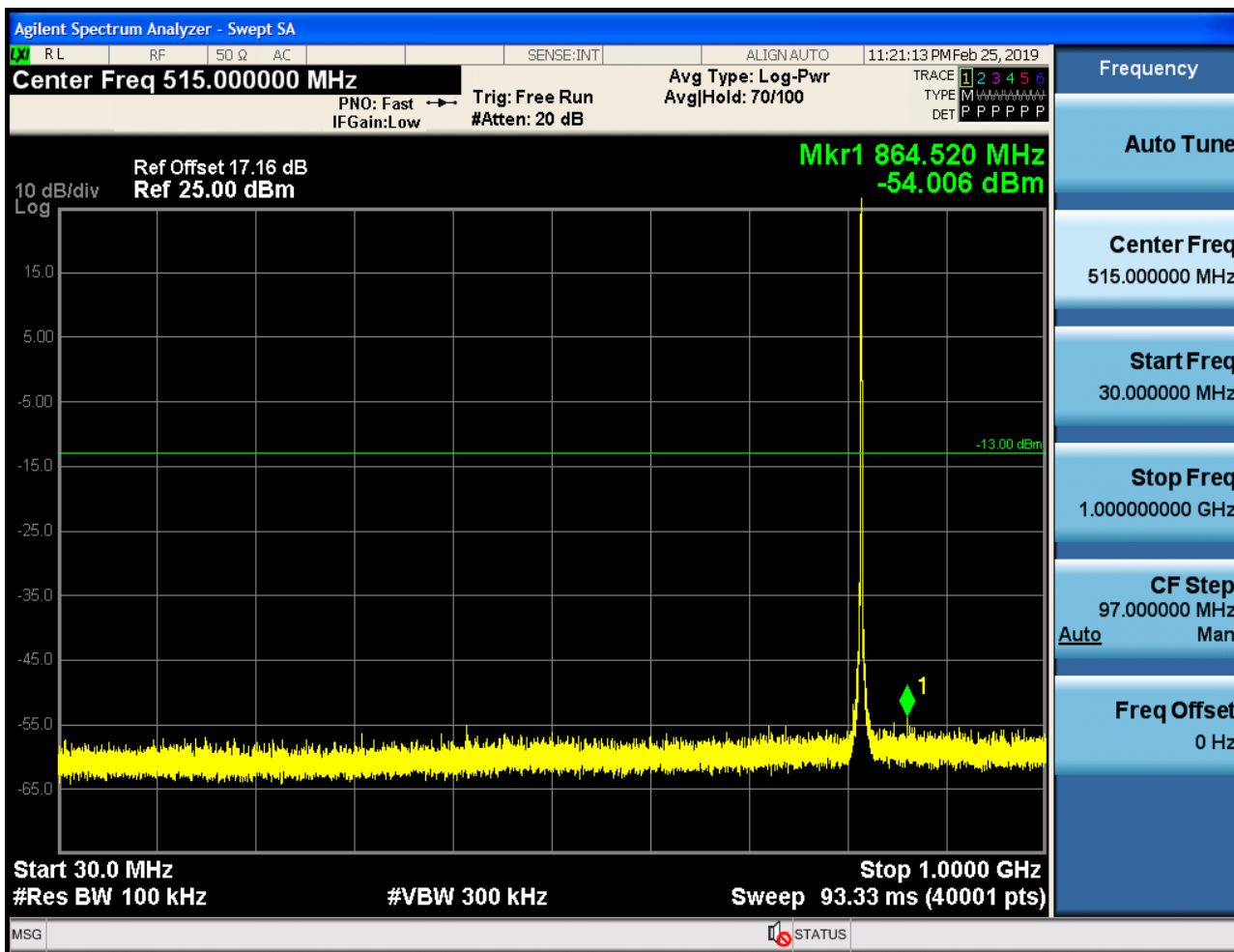


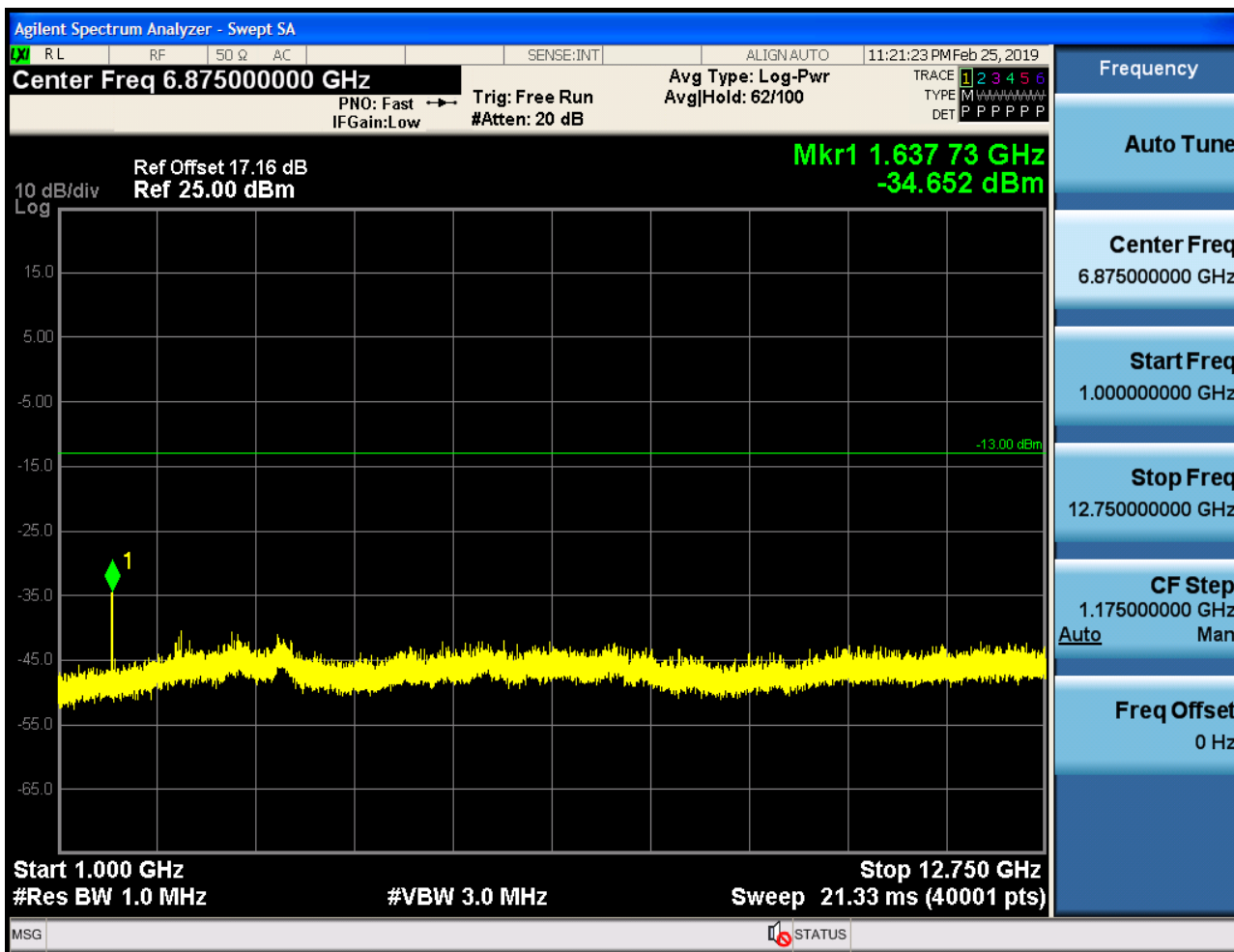
6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0





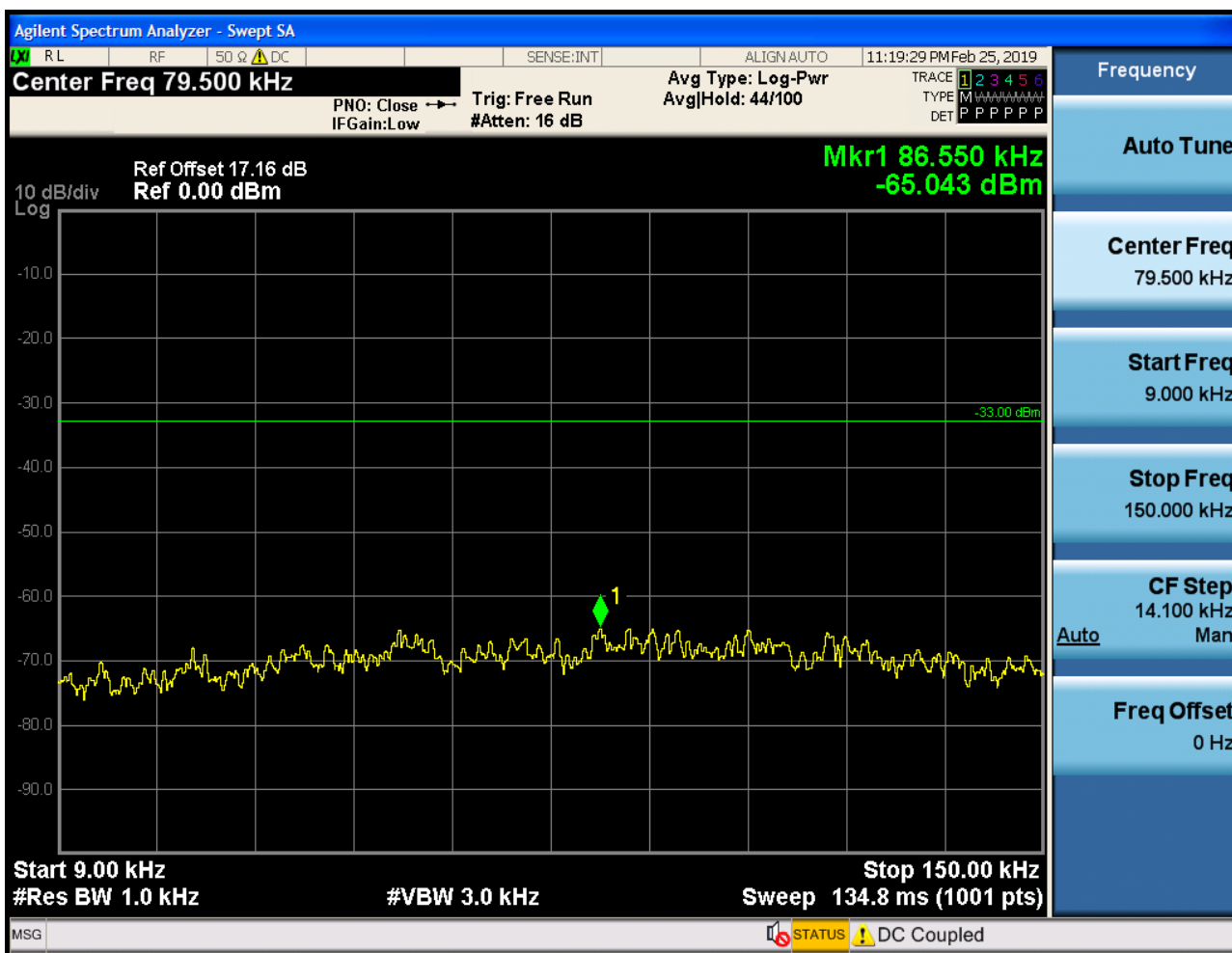


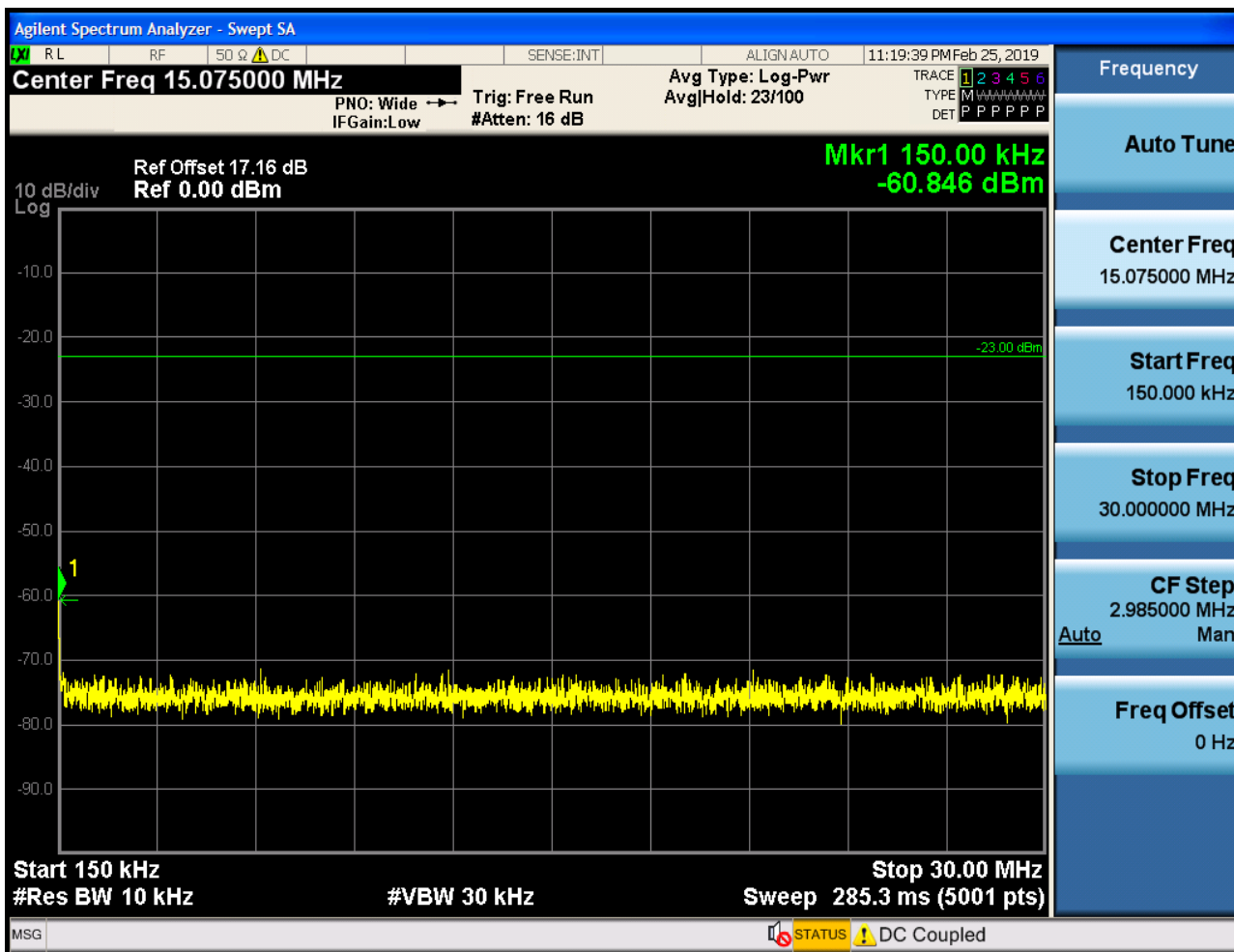


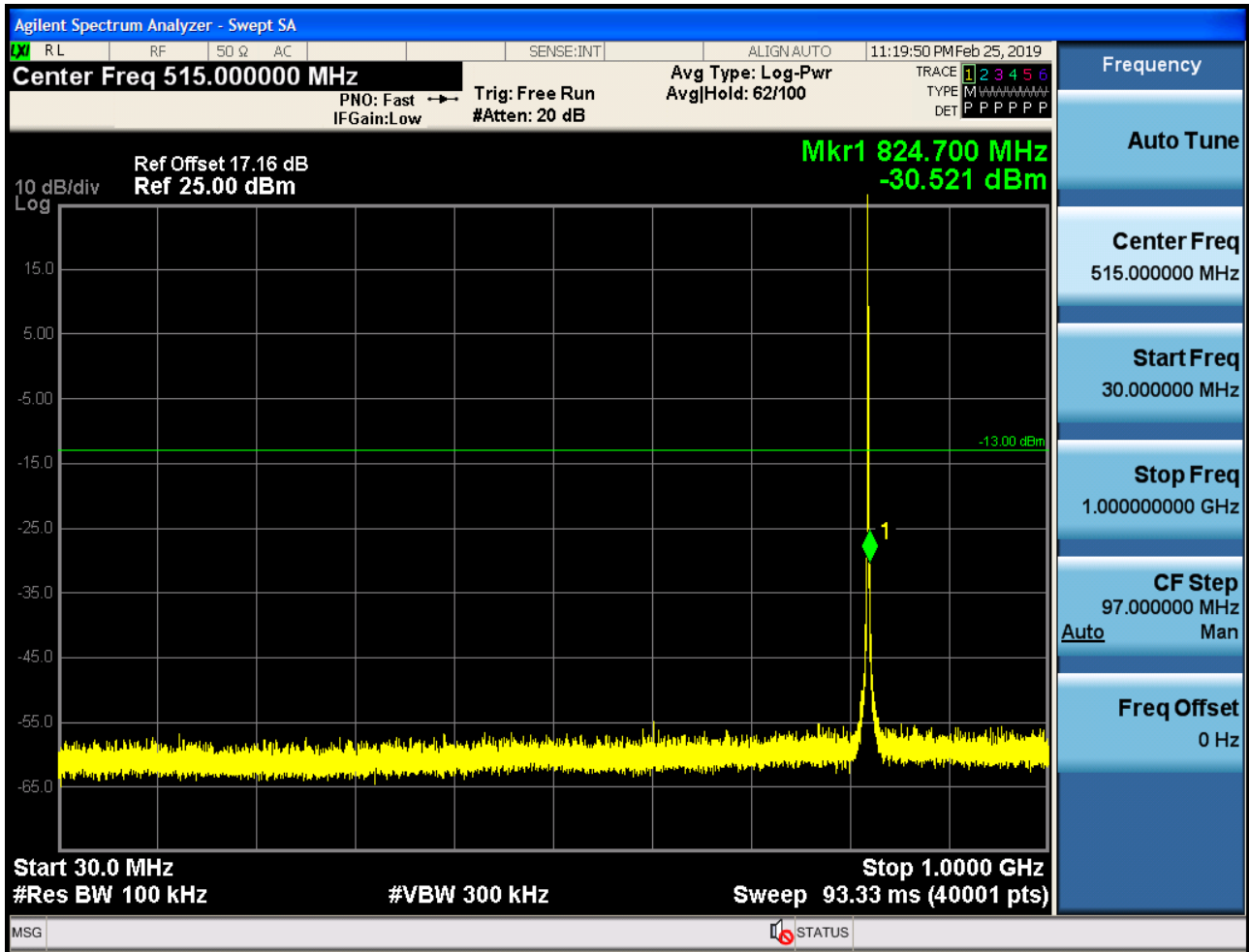


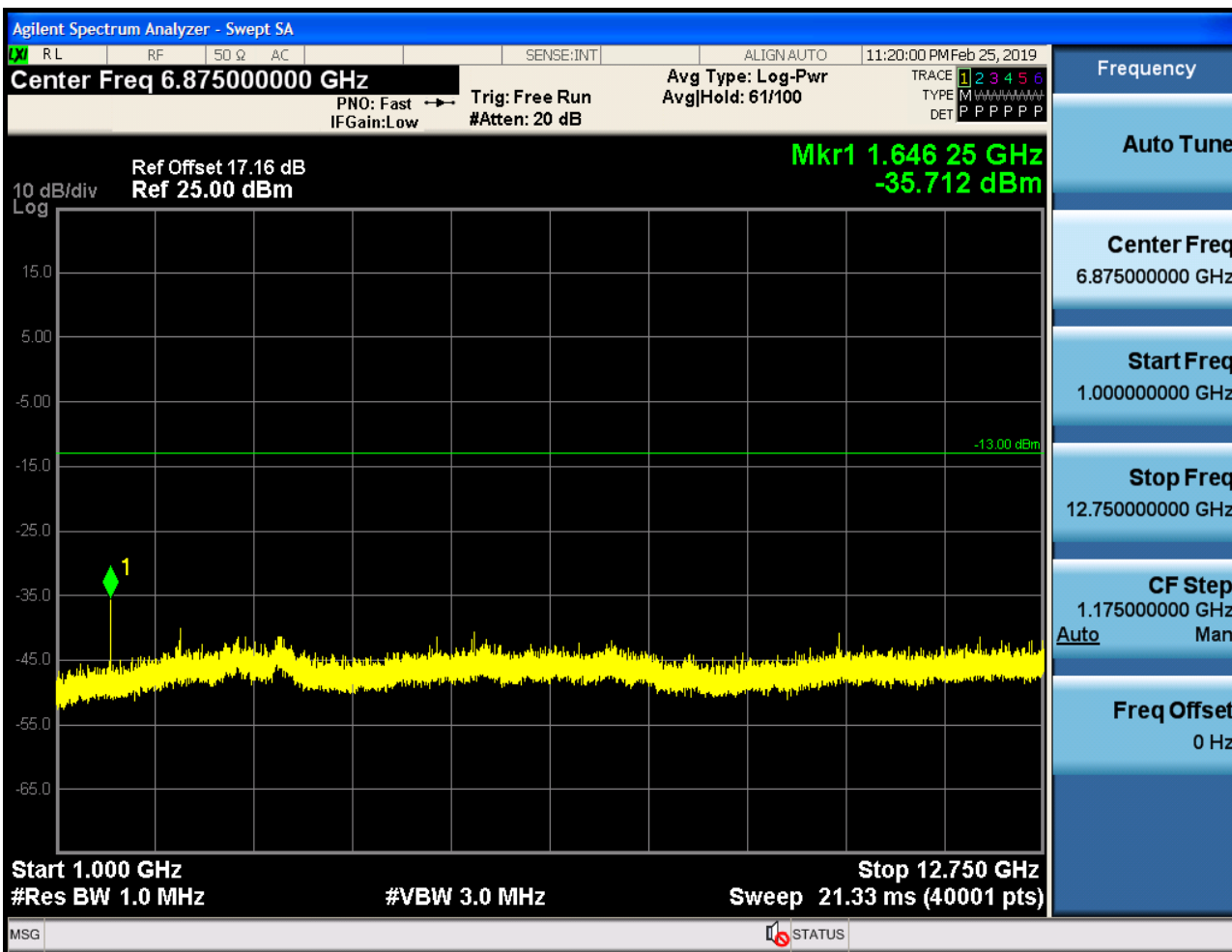
6.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 Test RB = RB1#0





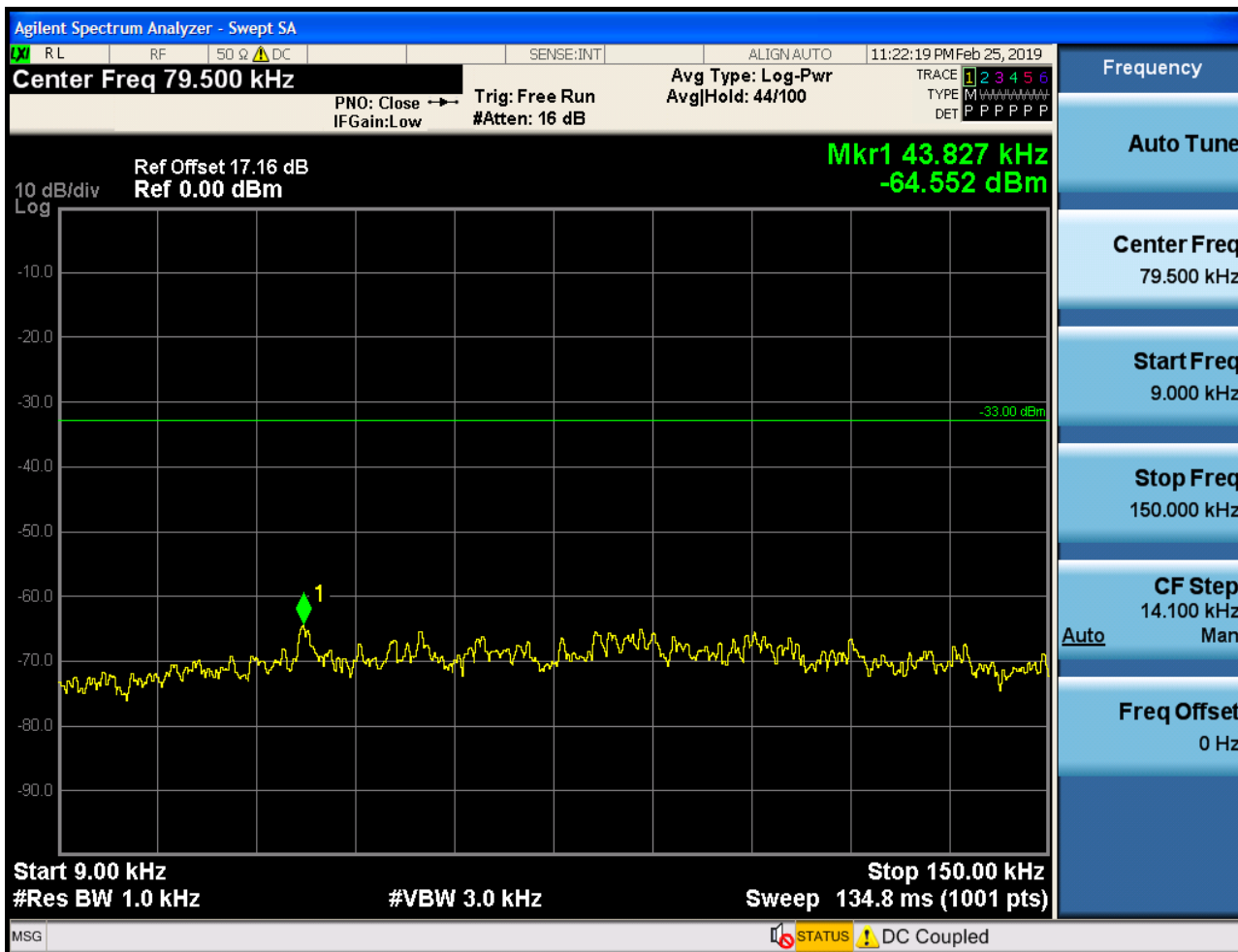


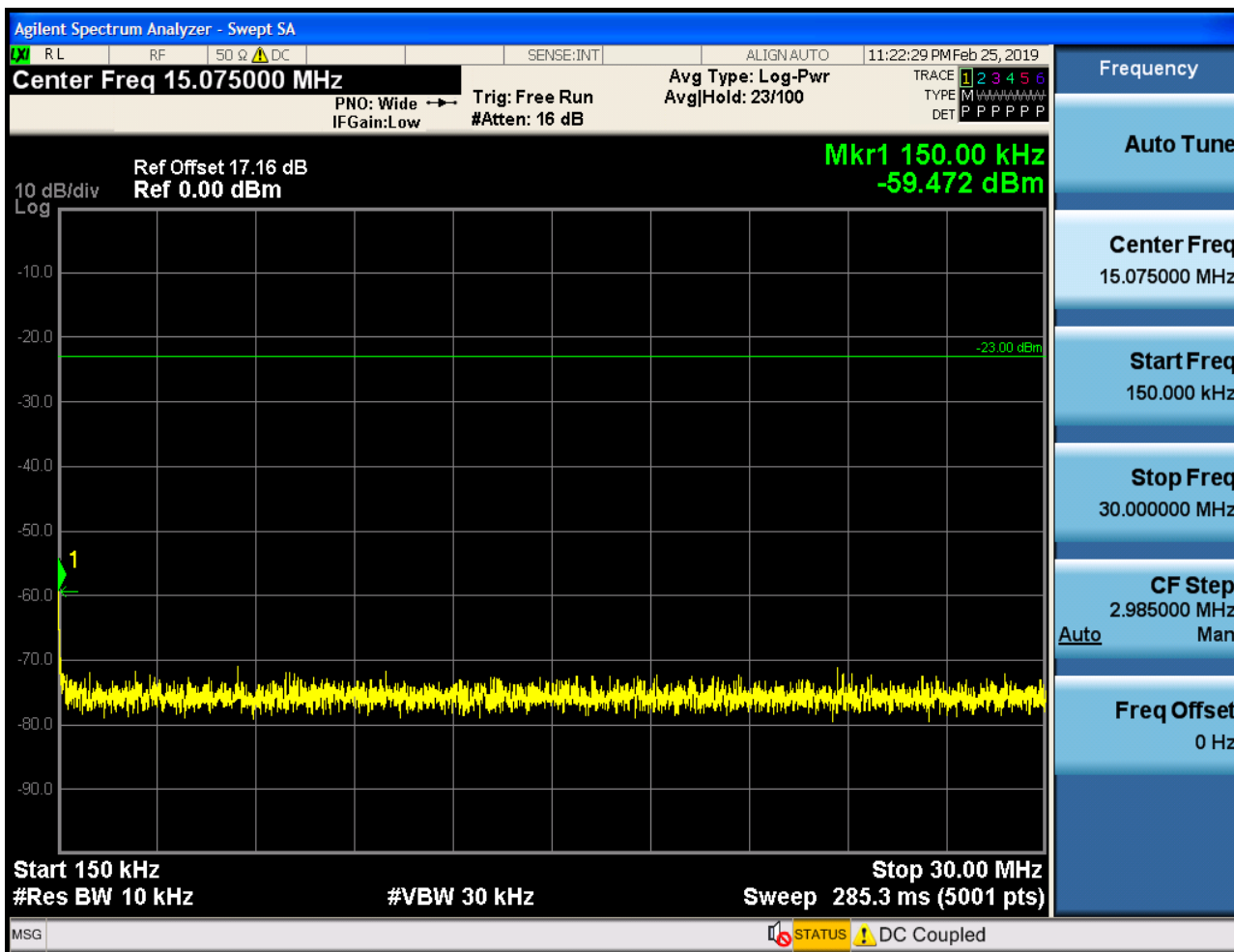


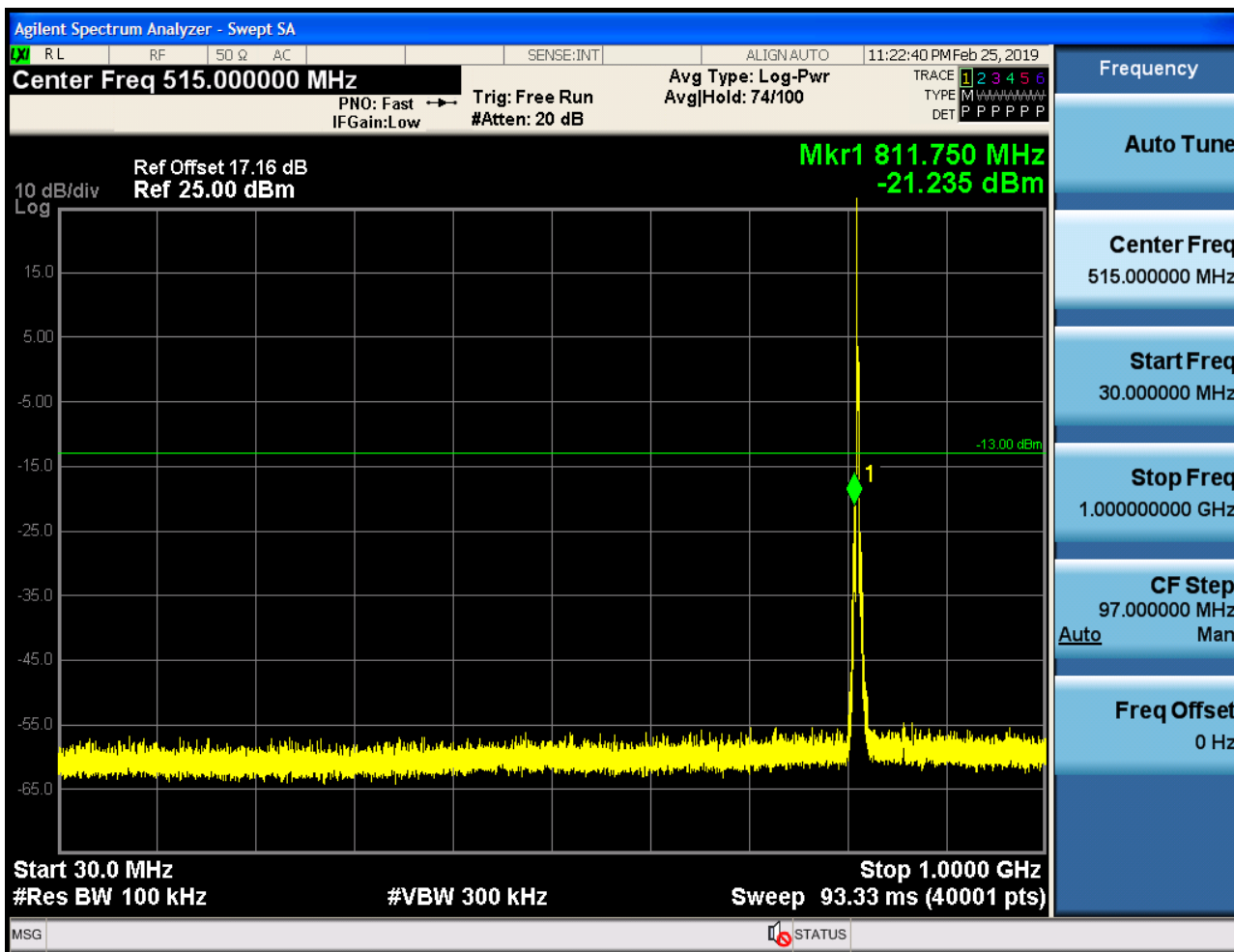
6.2.1.1.2 Test Bandwidth = 3

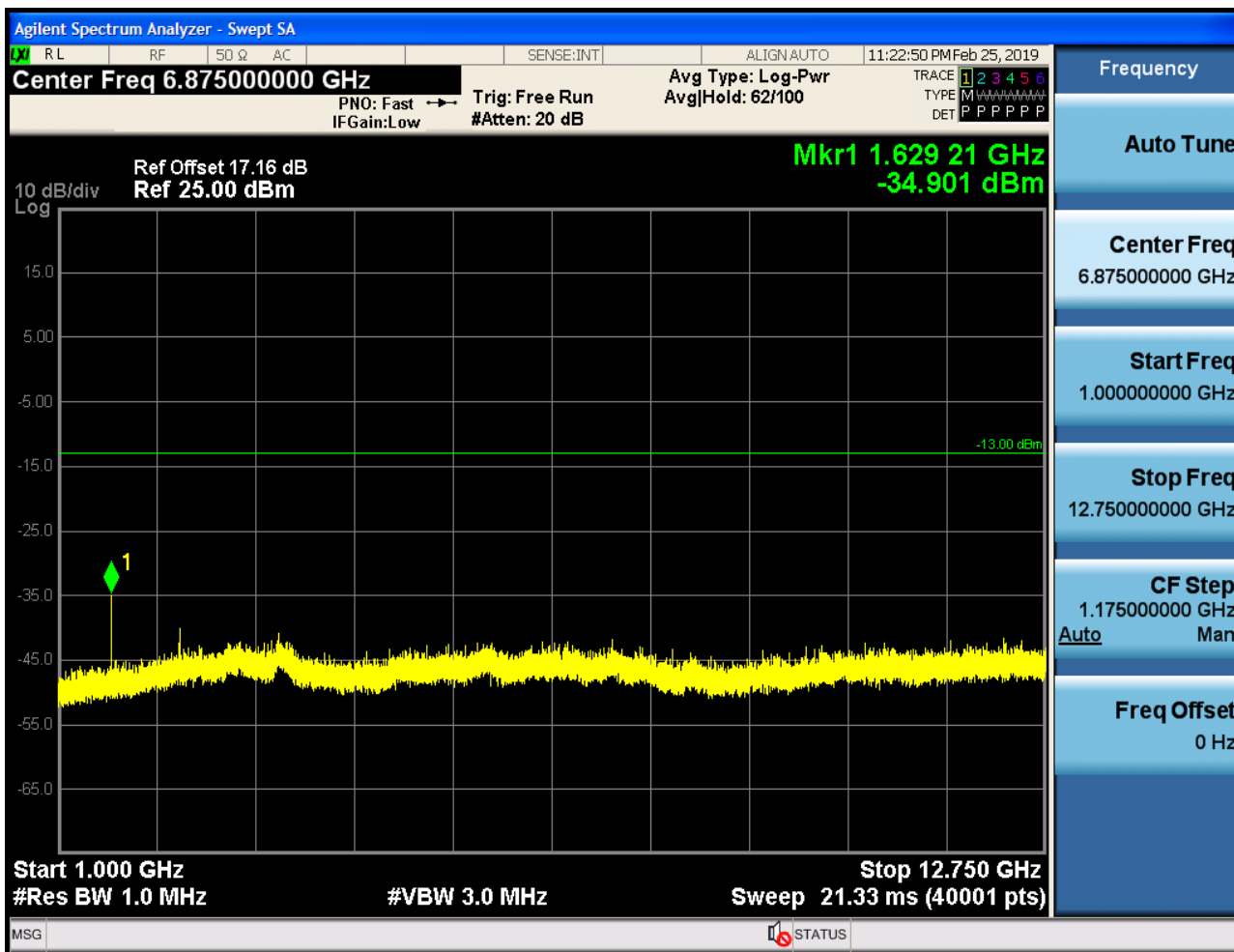
6.2.1.1.2.1 Test Channel = LCH

6.2.1.1.2.1.1 Test RB = RB1#0





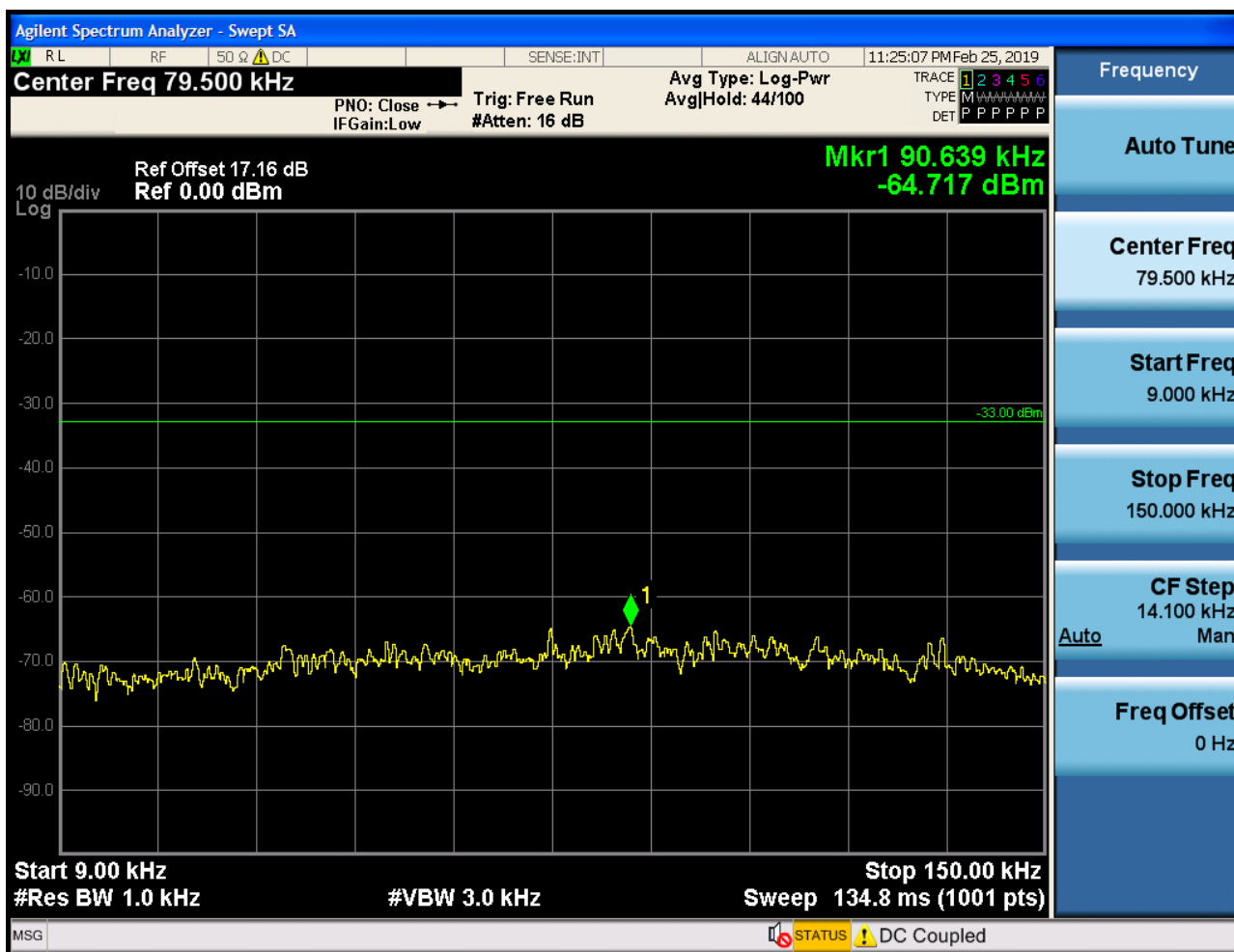


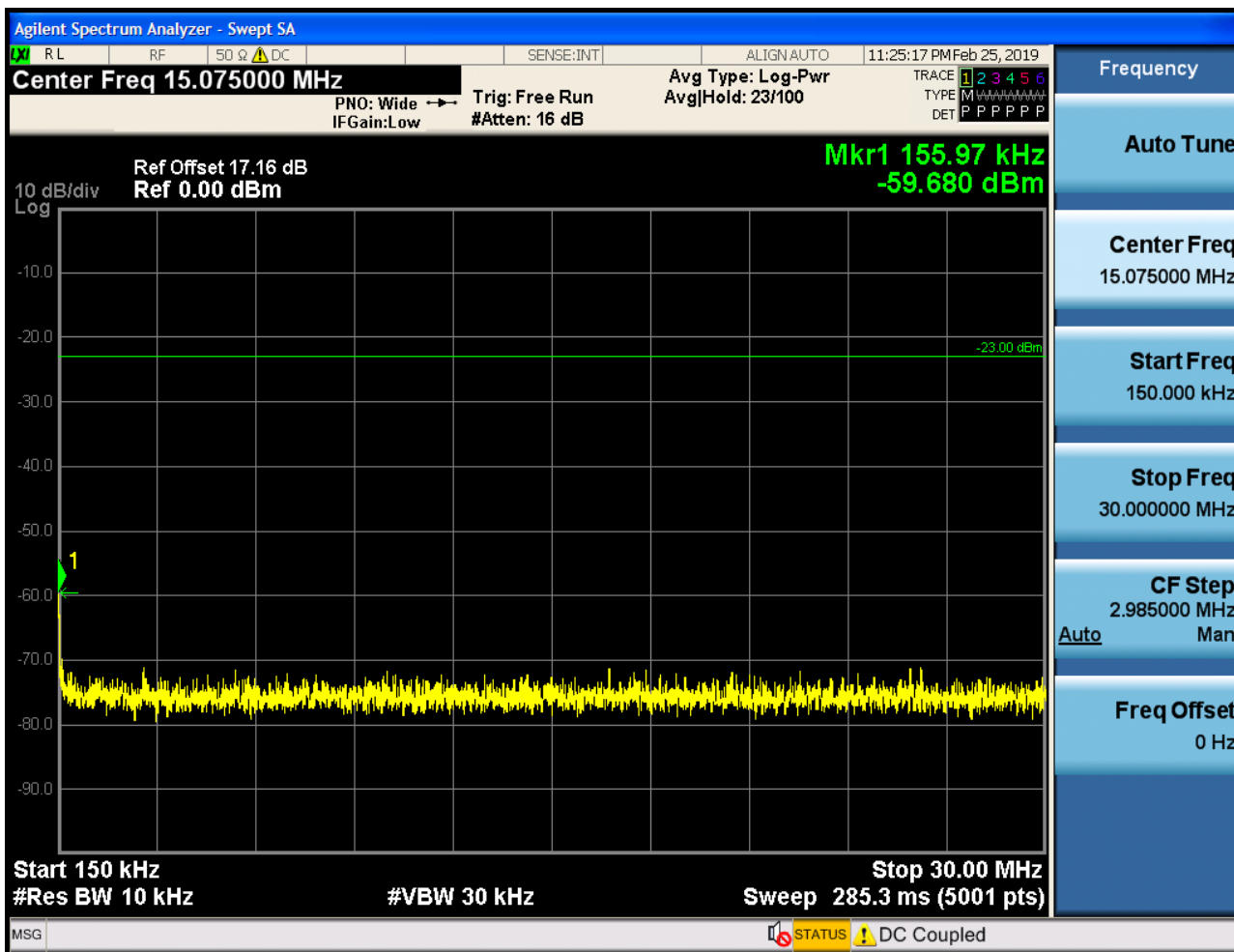


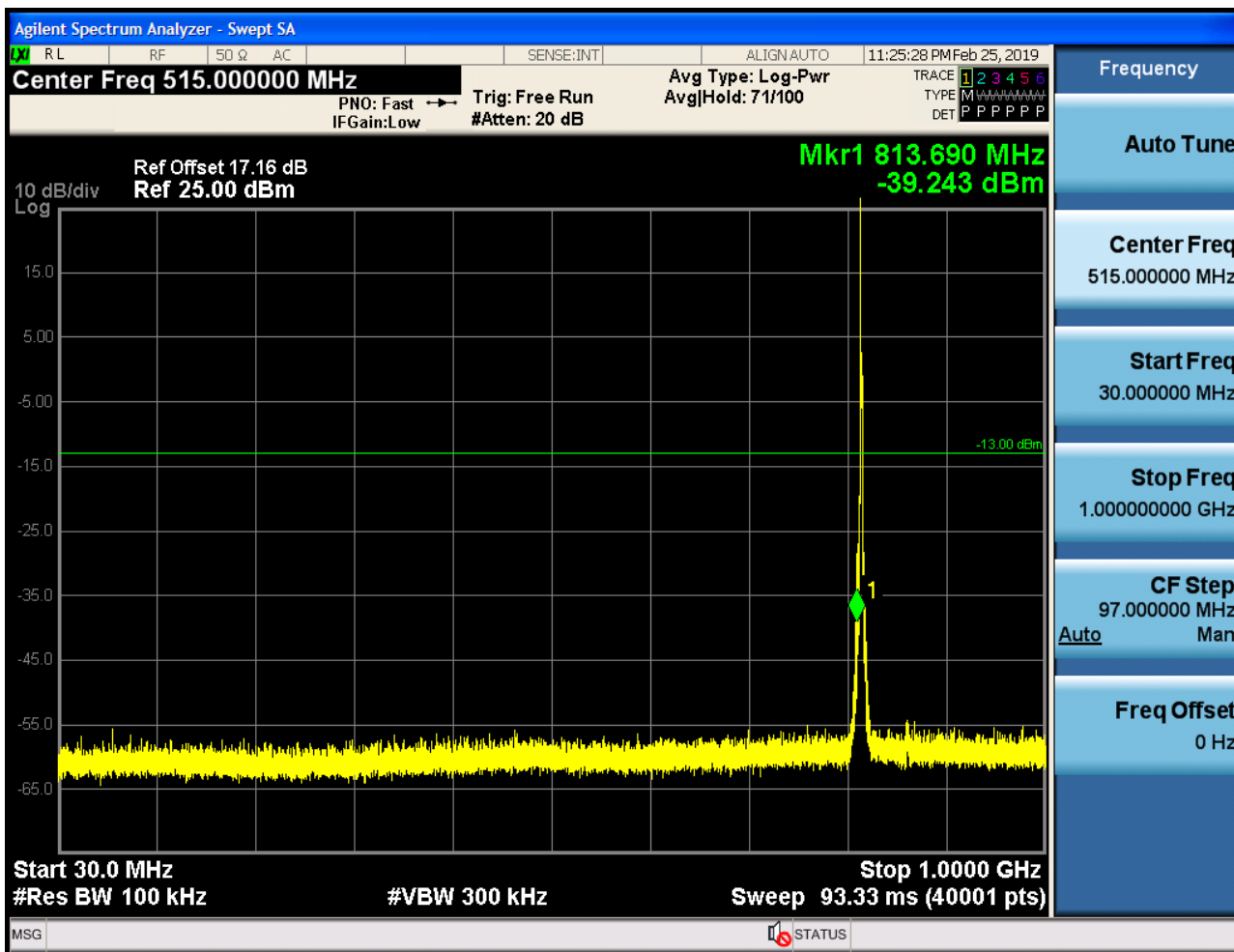


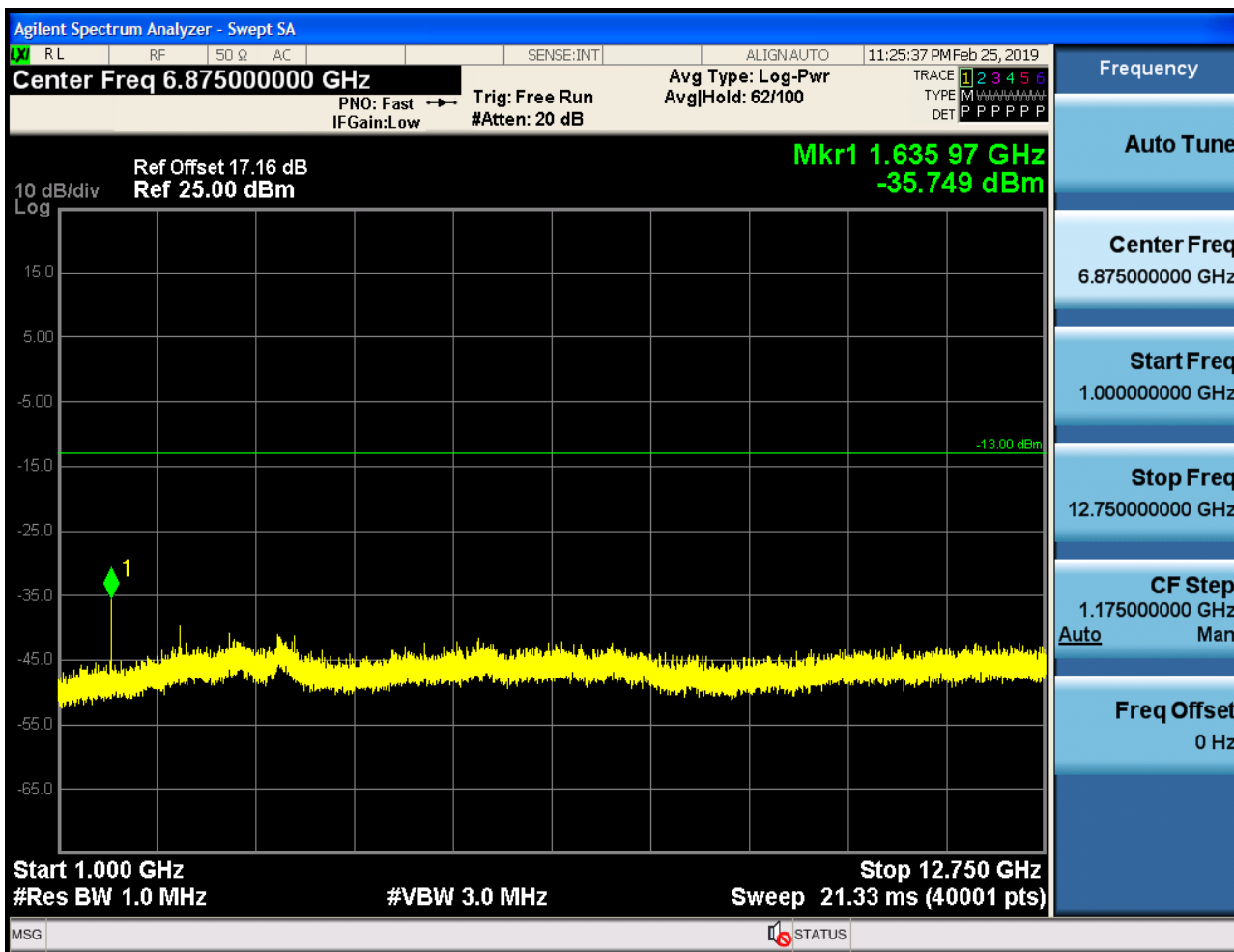
6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0





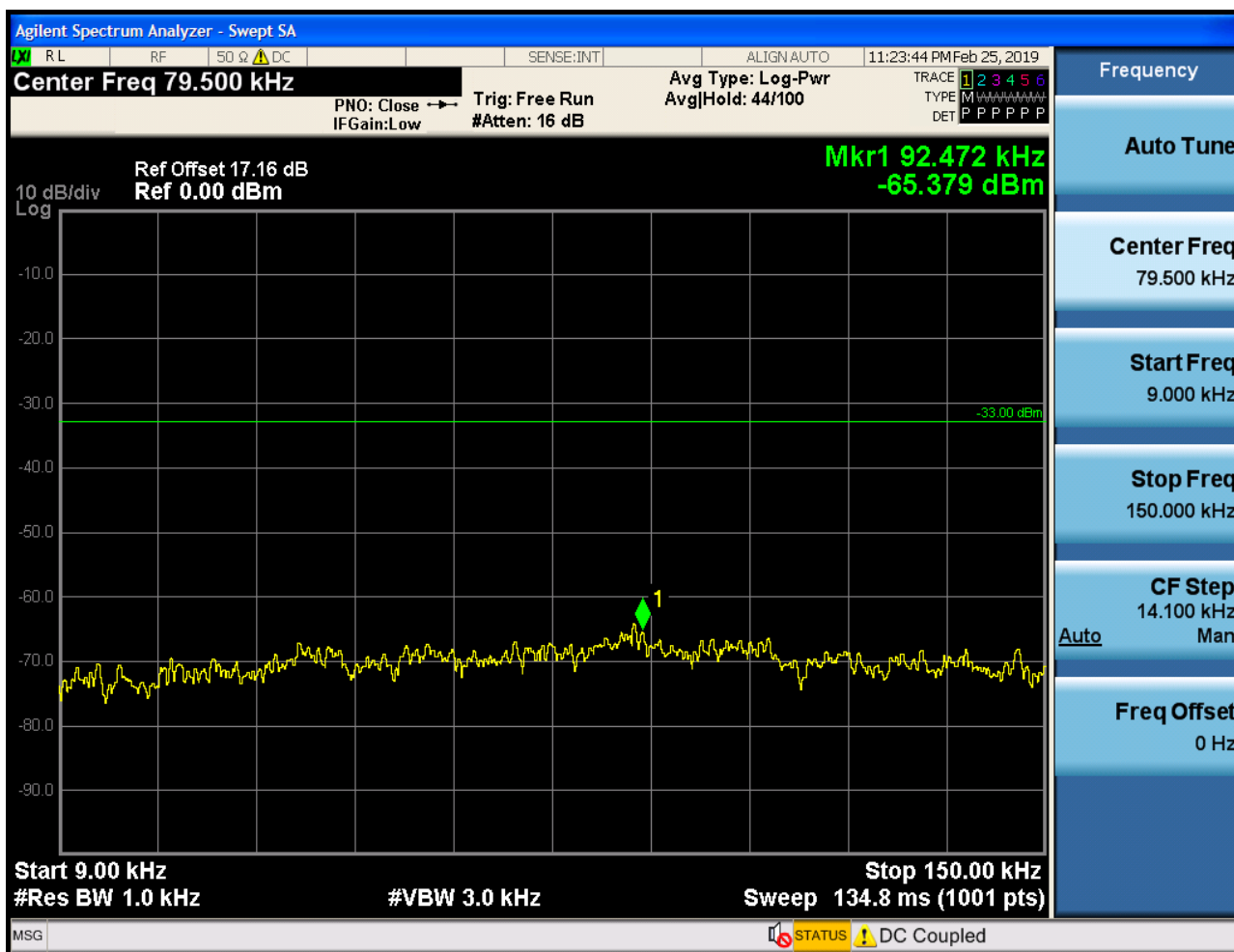


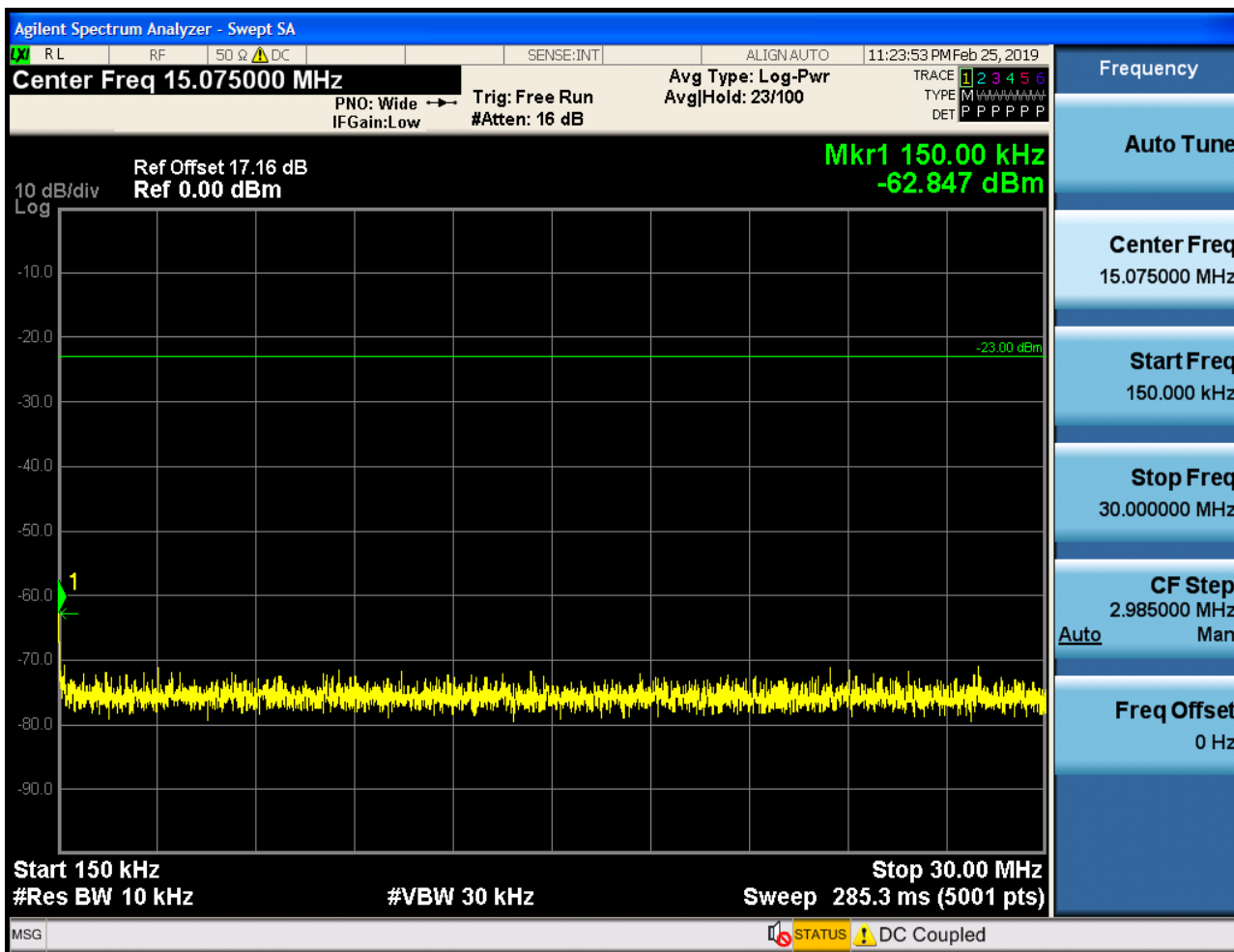


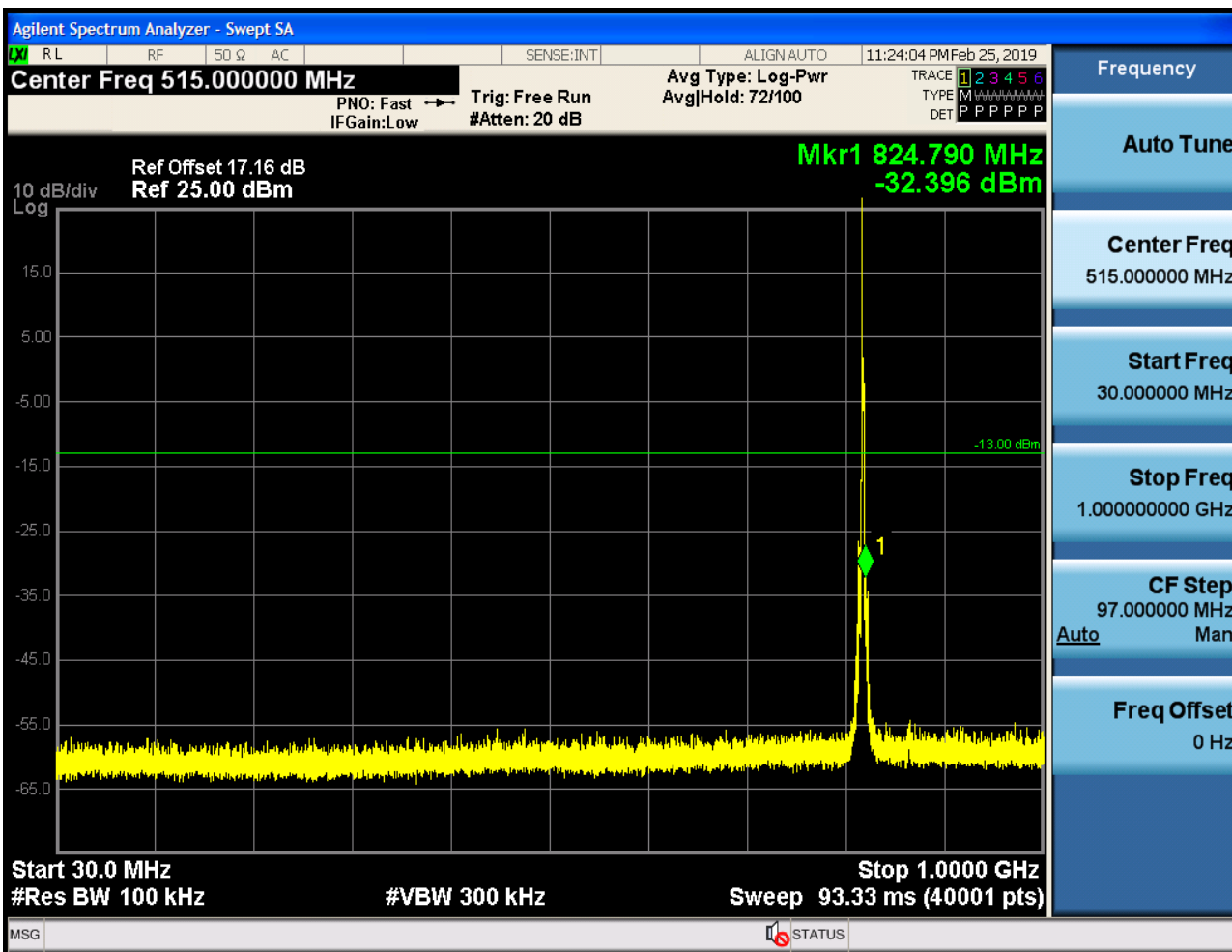


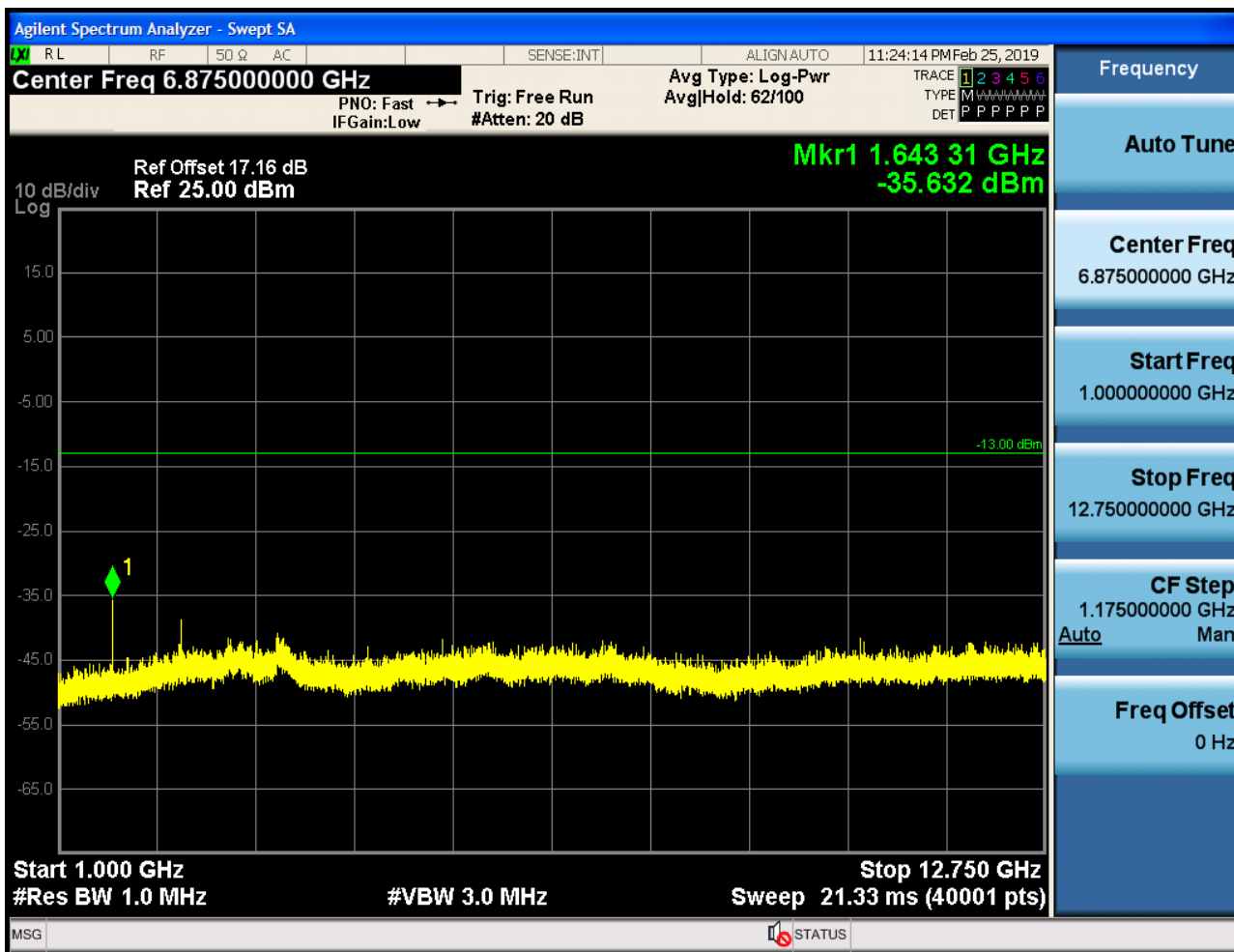
6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0





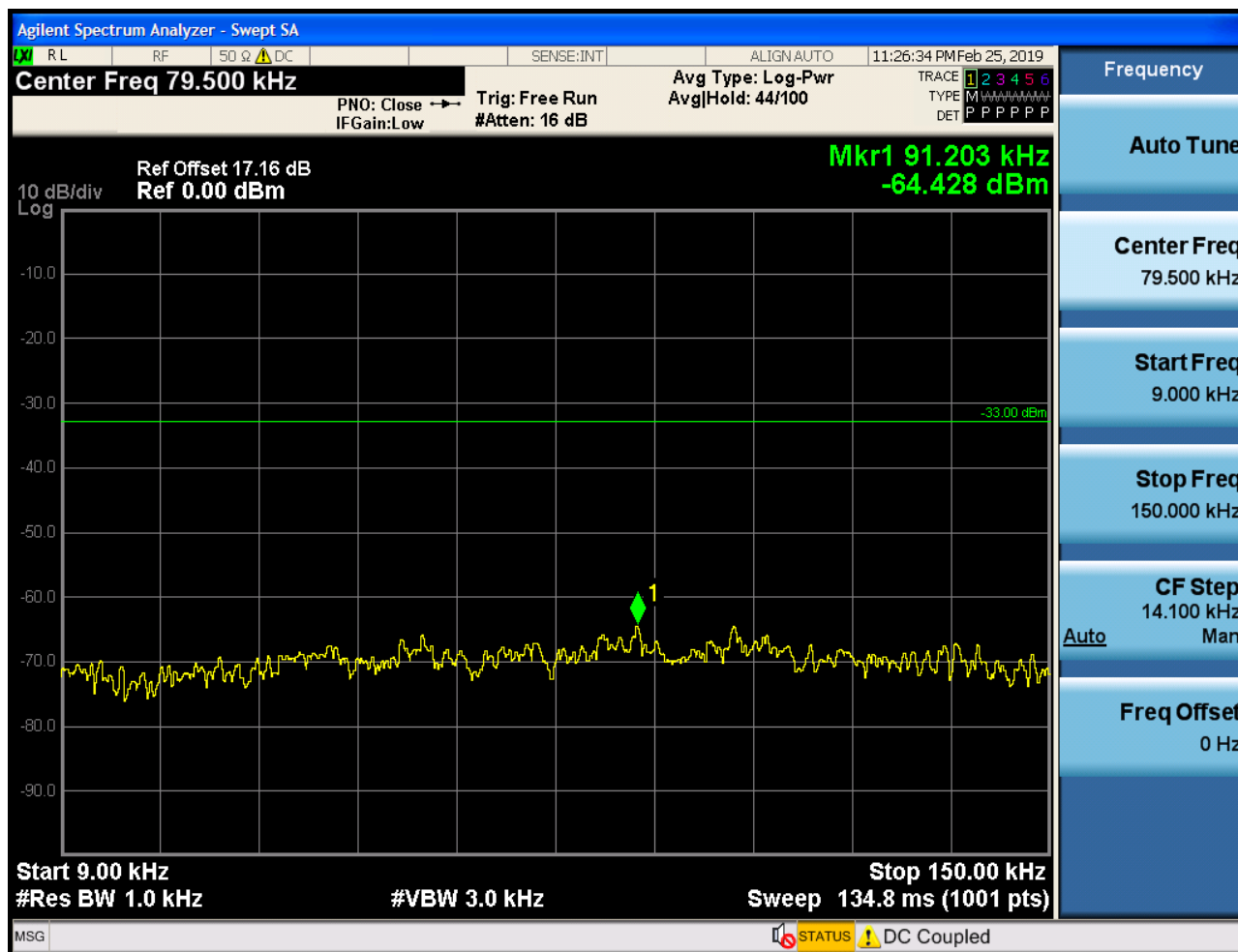


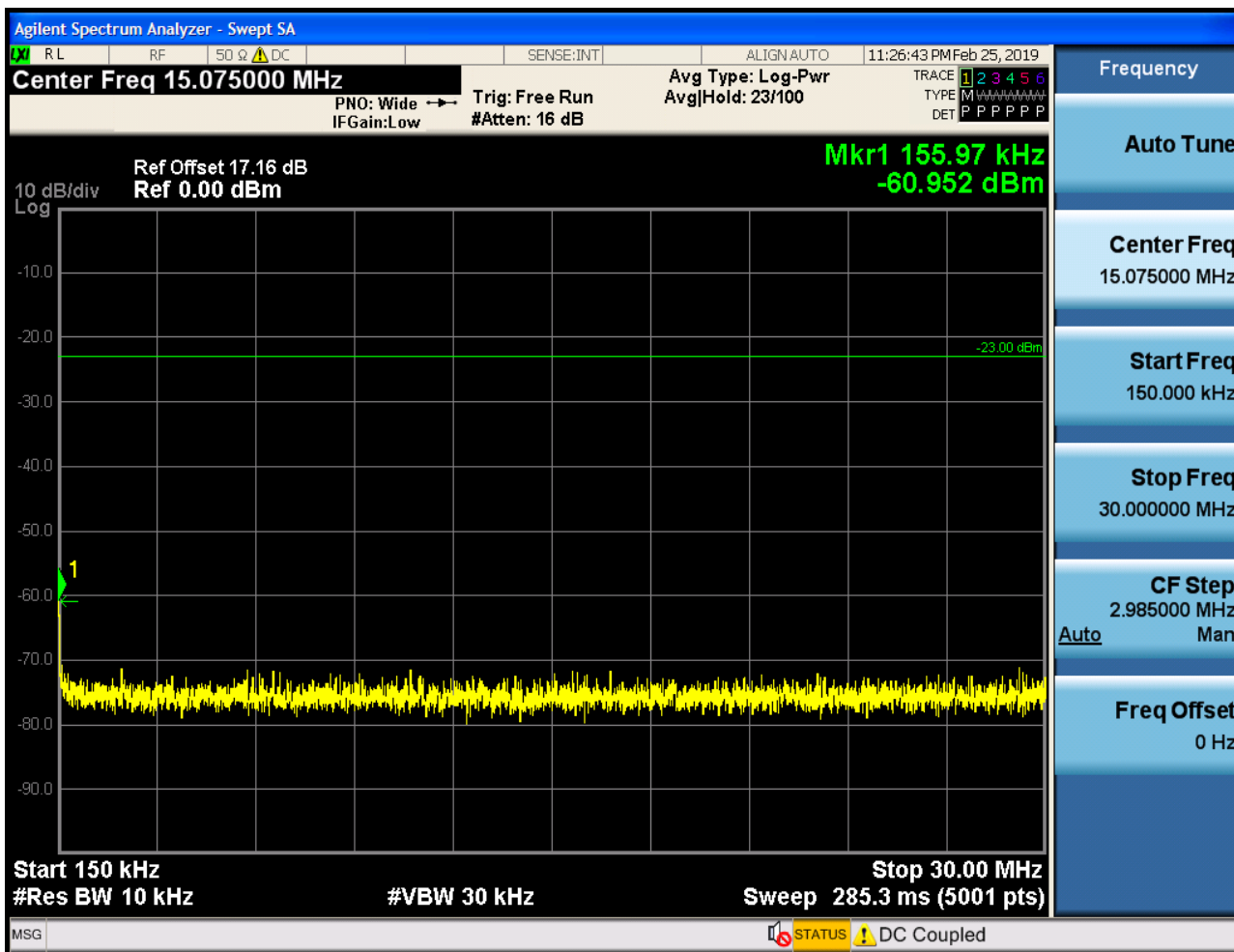


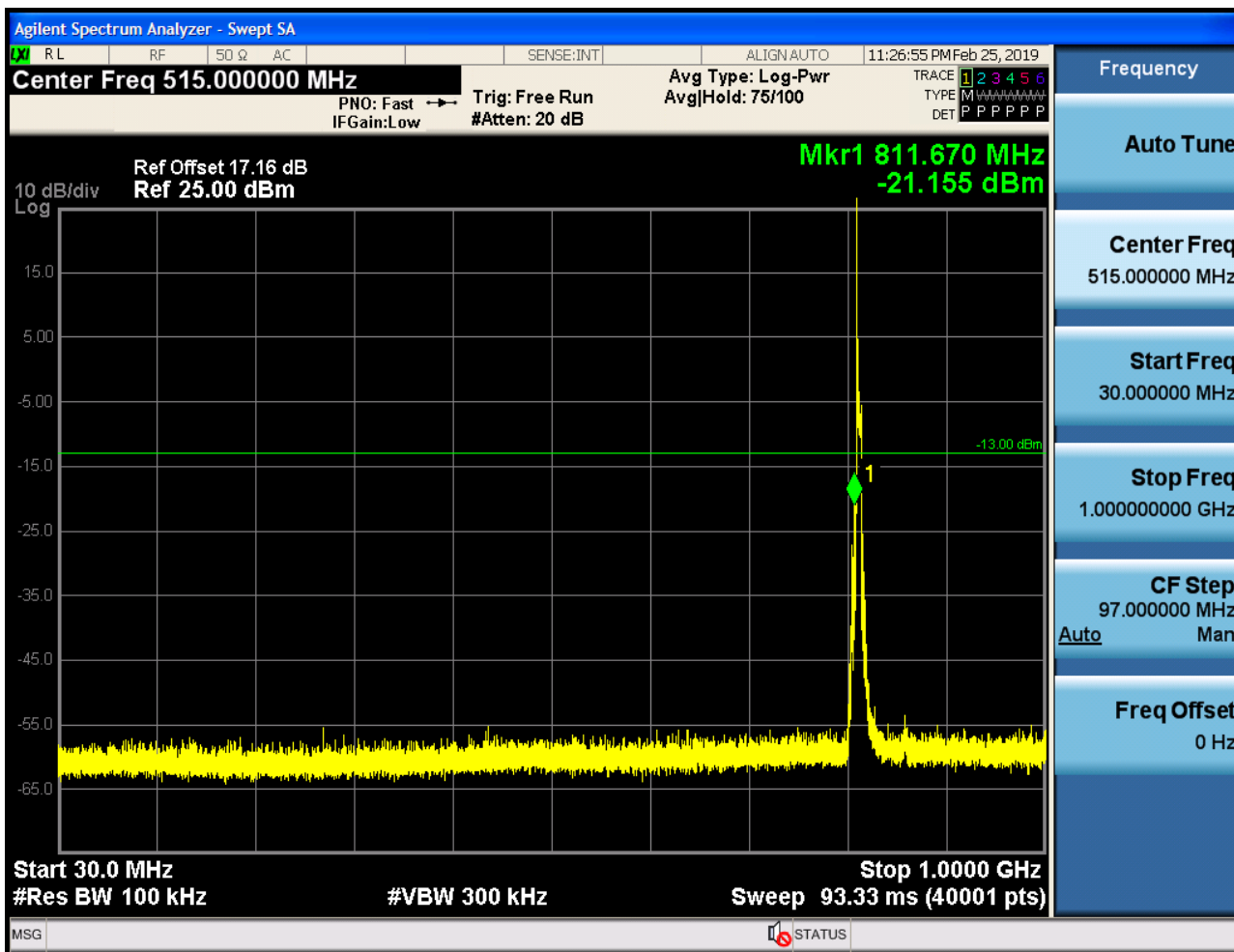
6.2.1.1.3 Test Bandwidth = 5

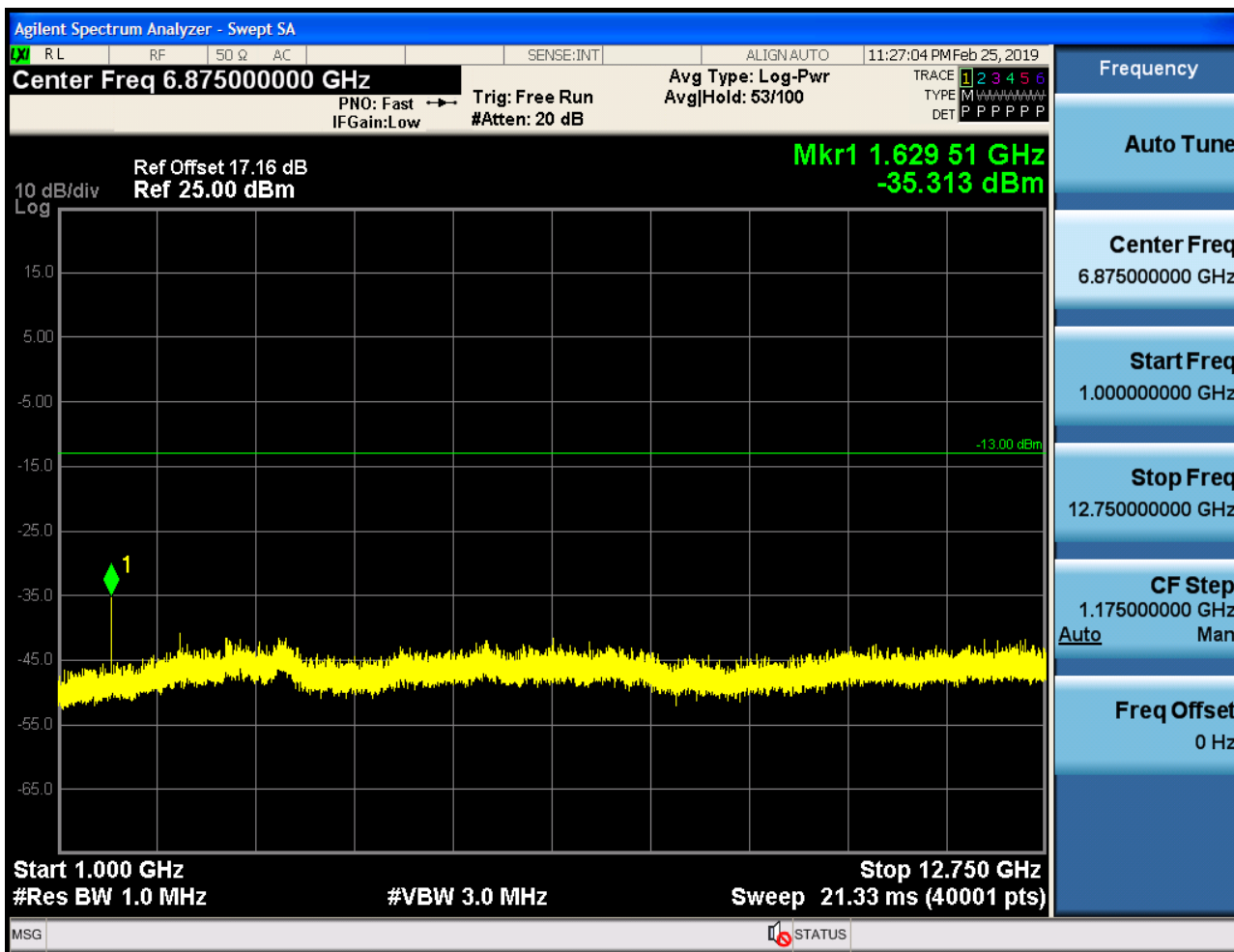
6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0





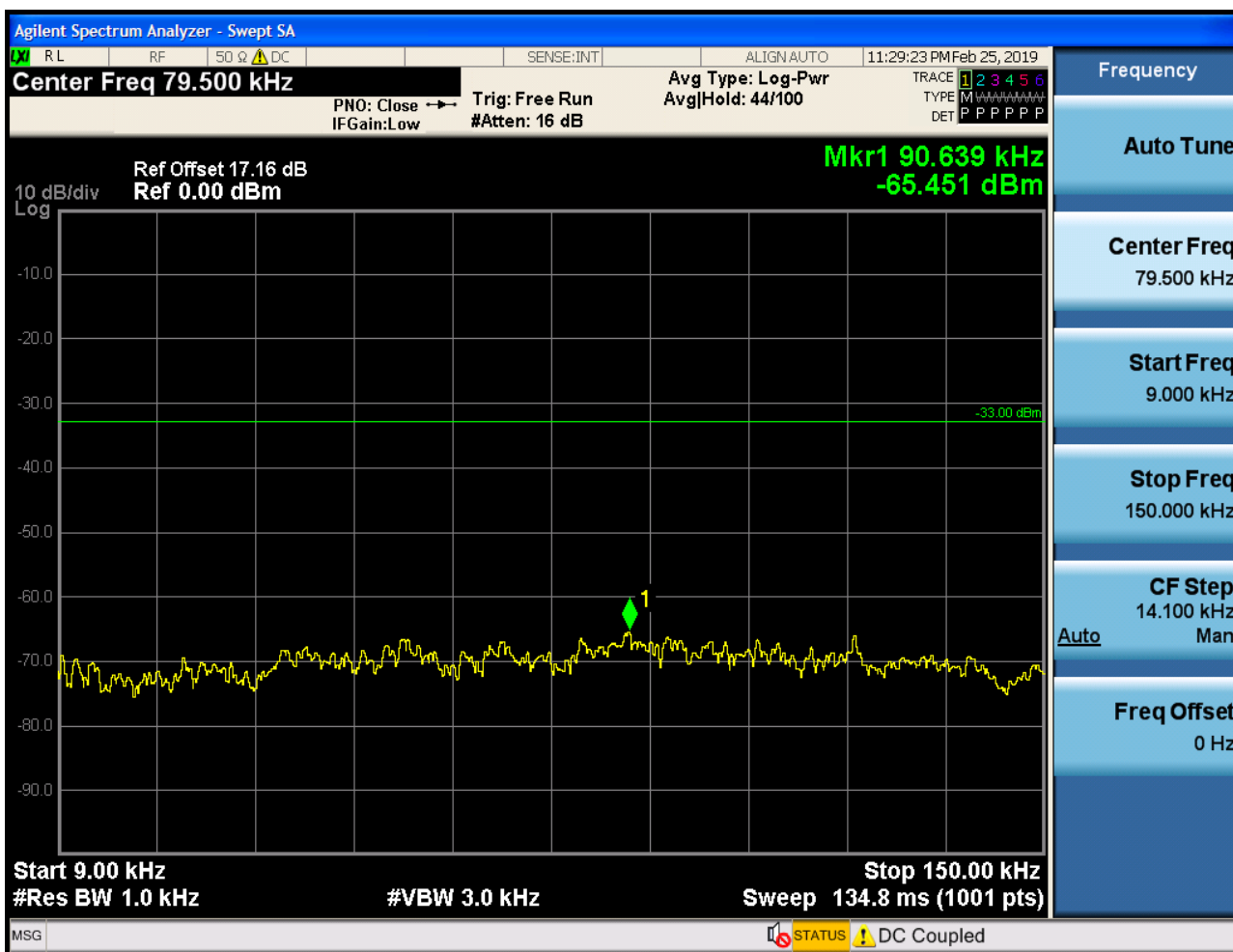


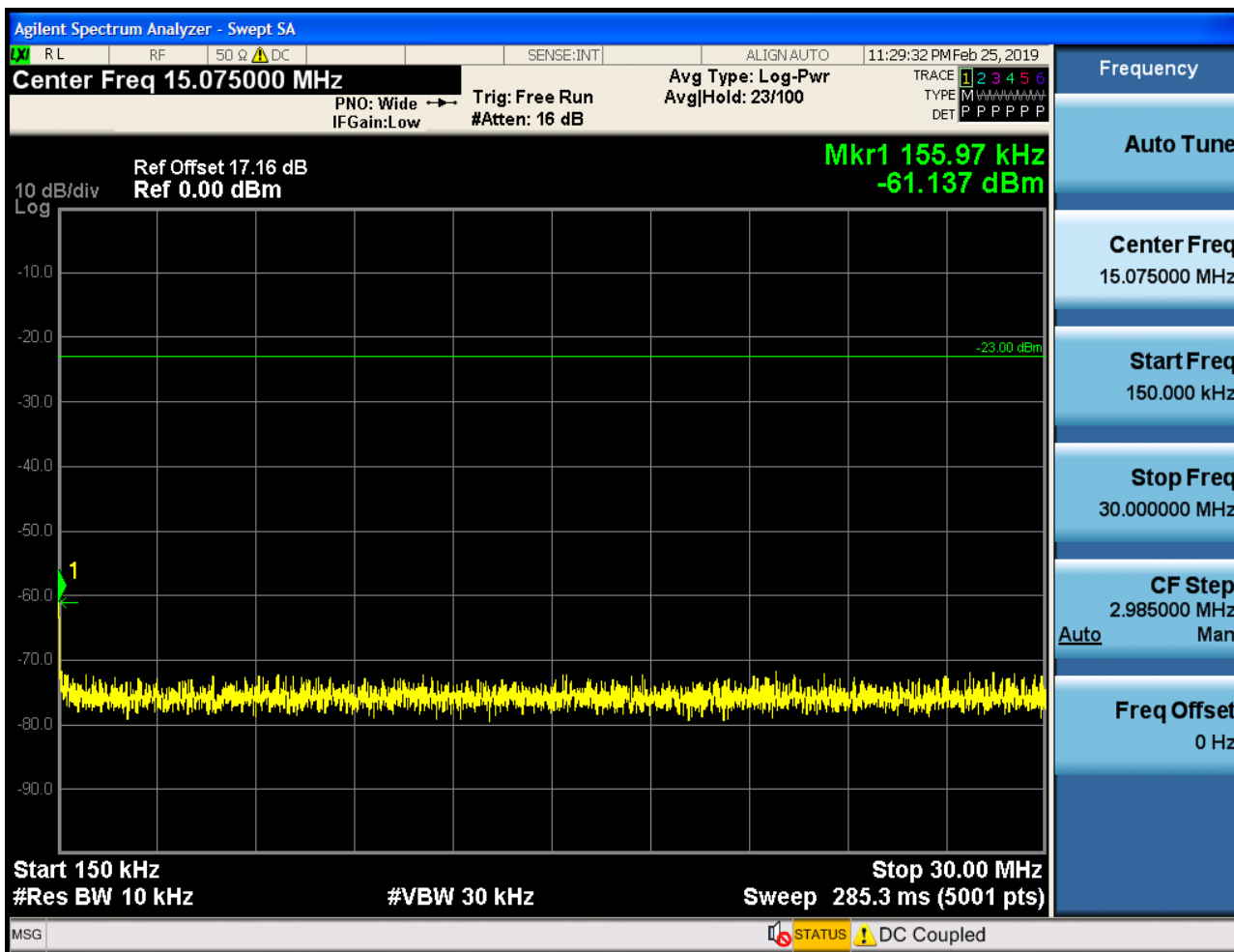


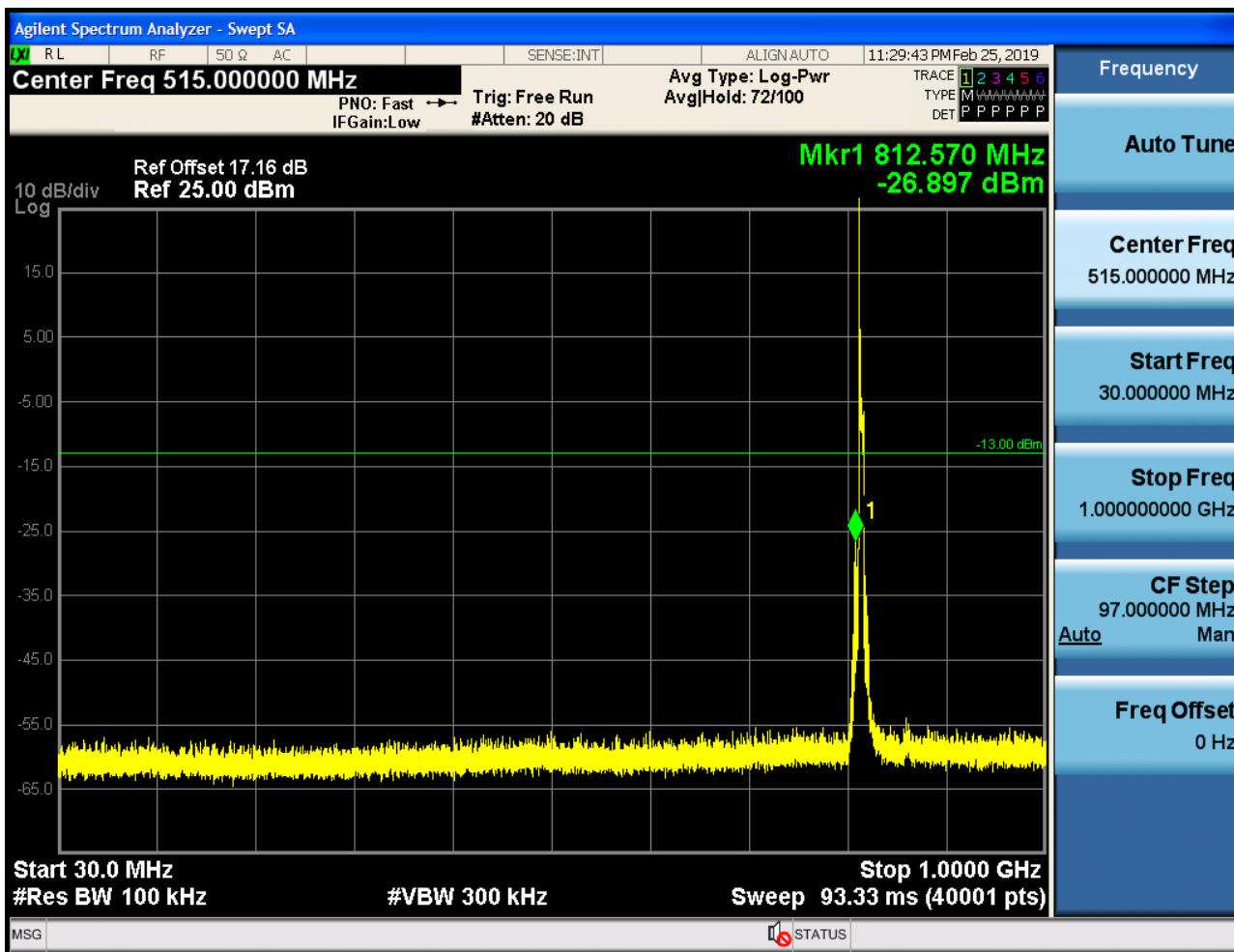


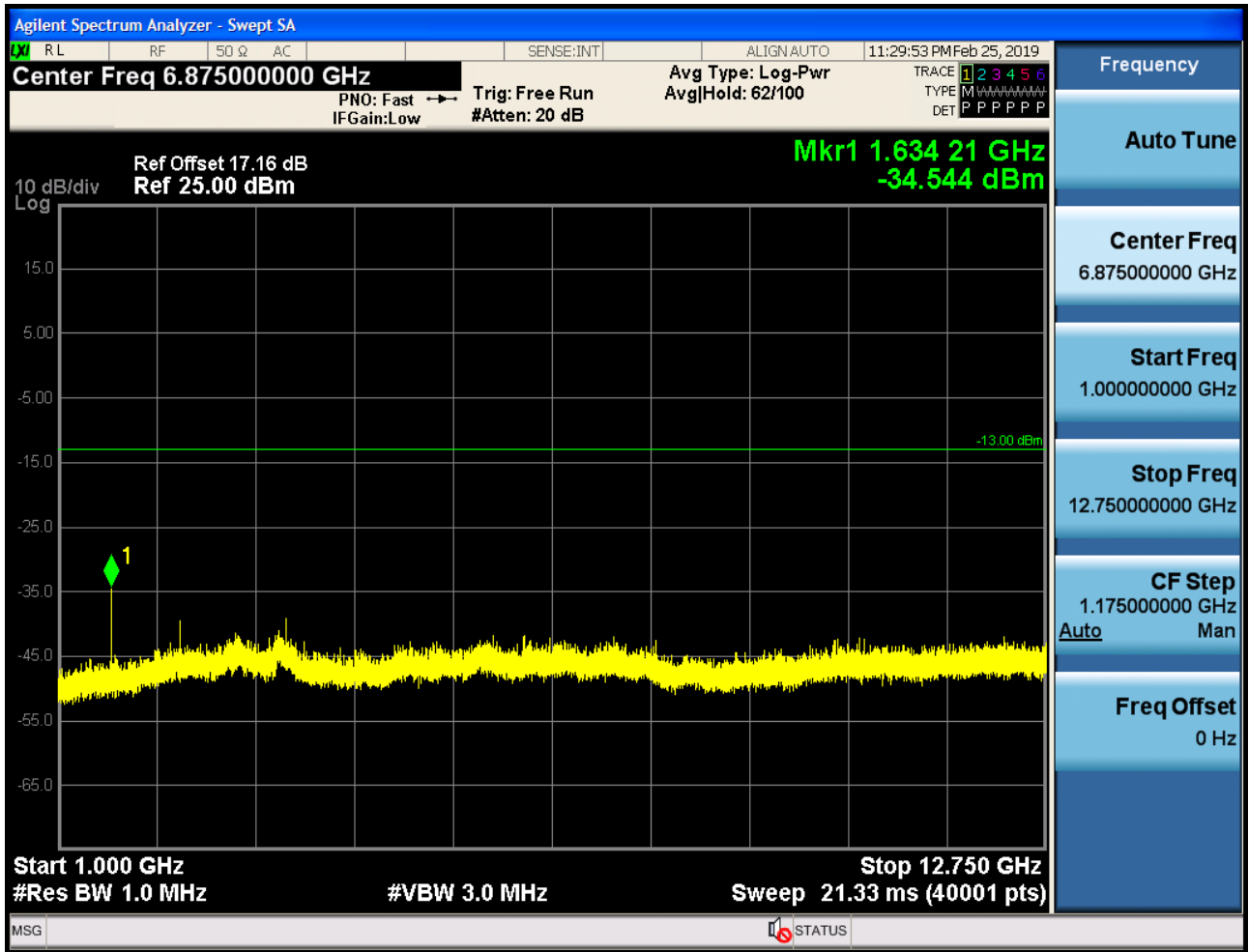
6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0





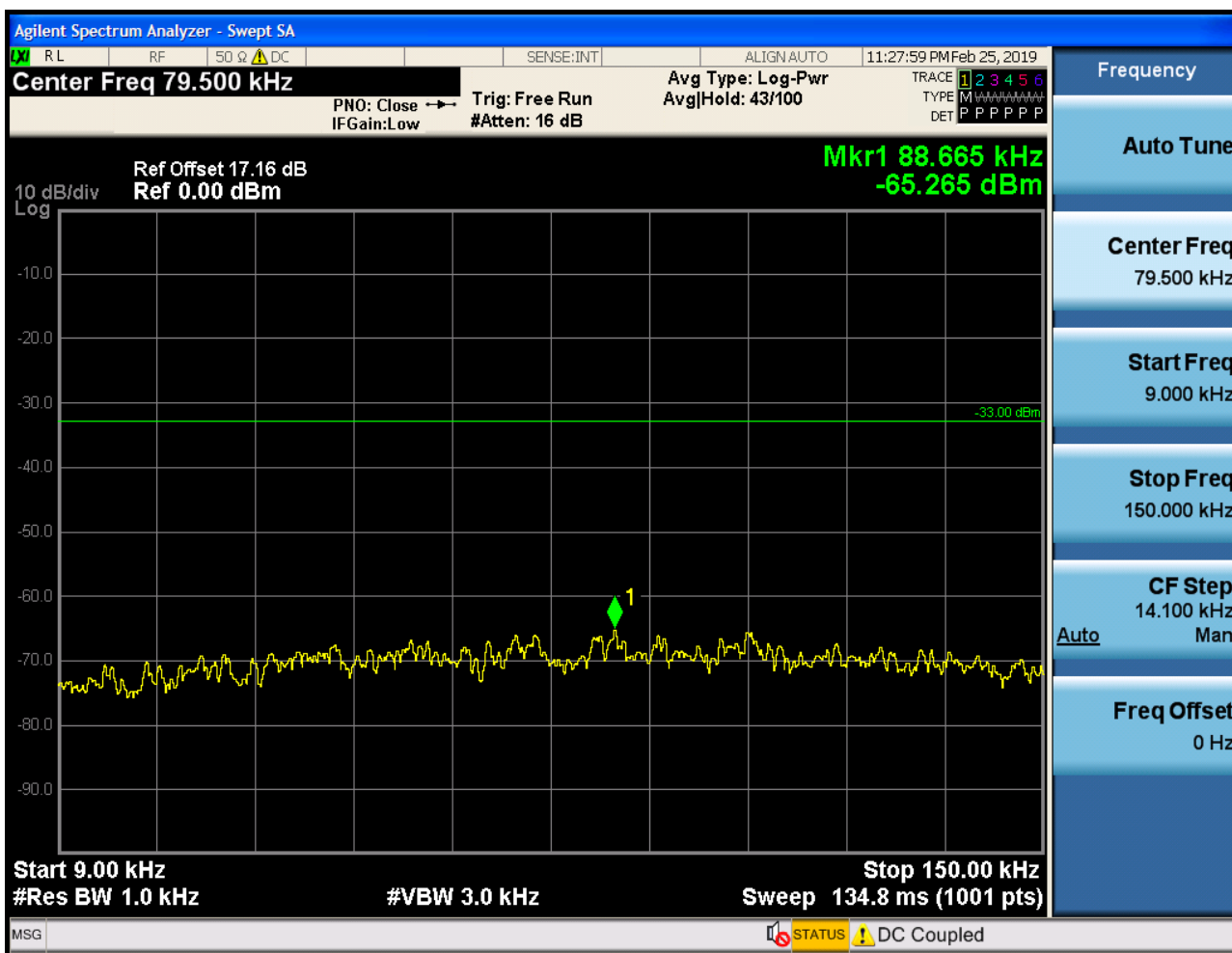


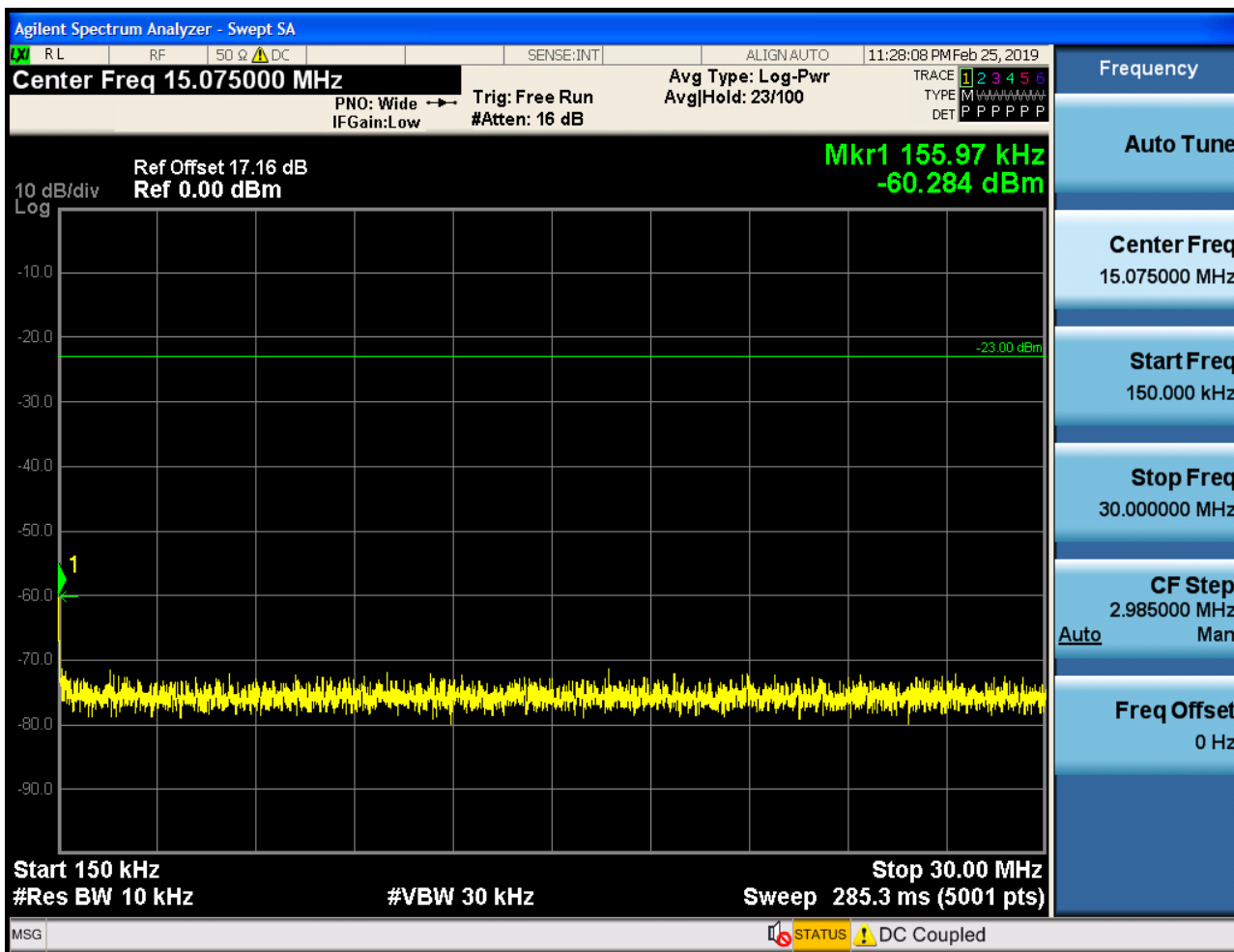


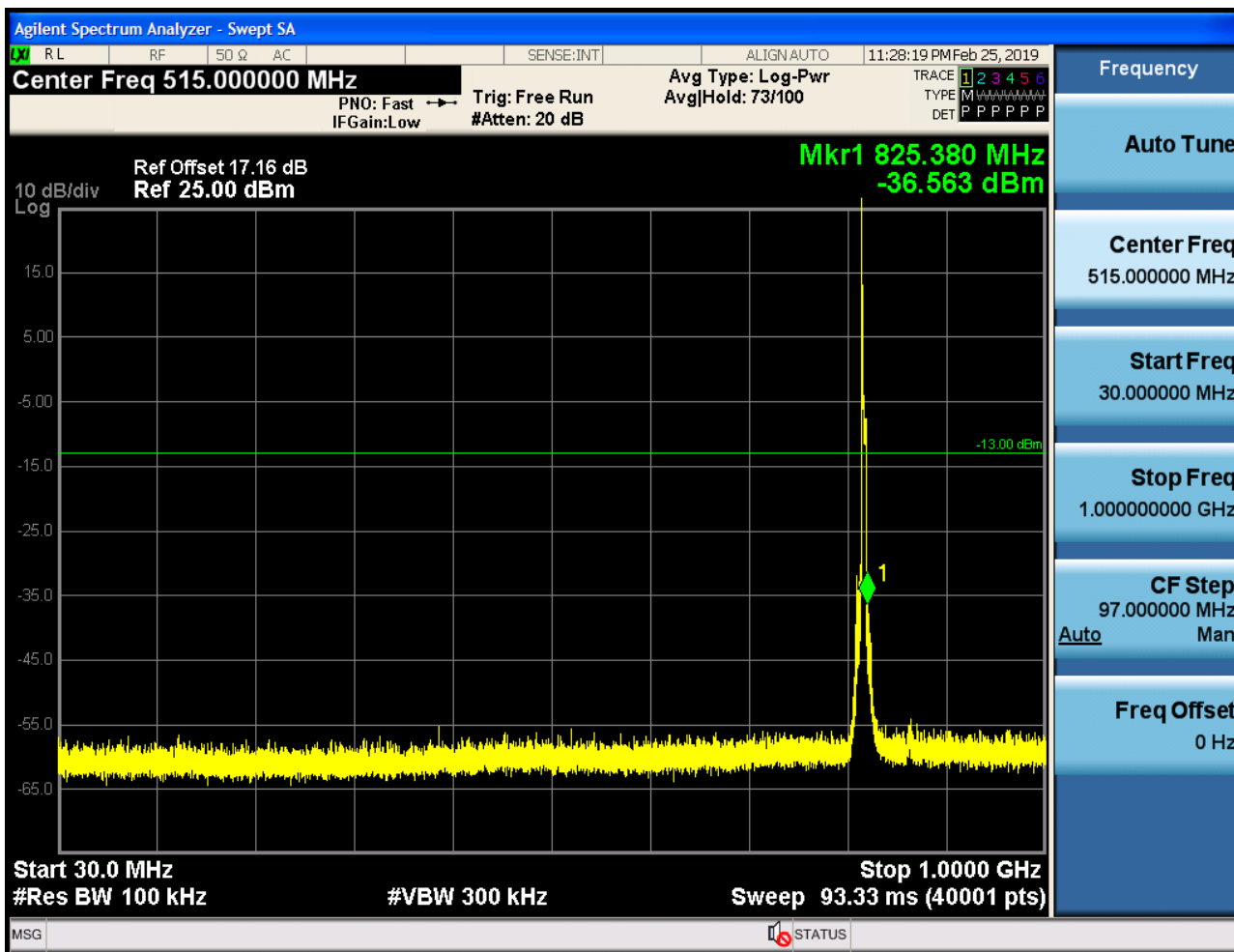


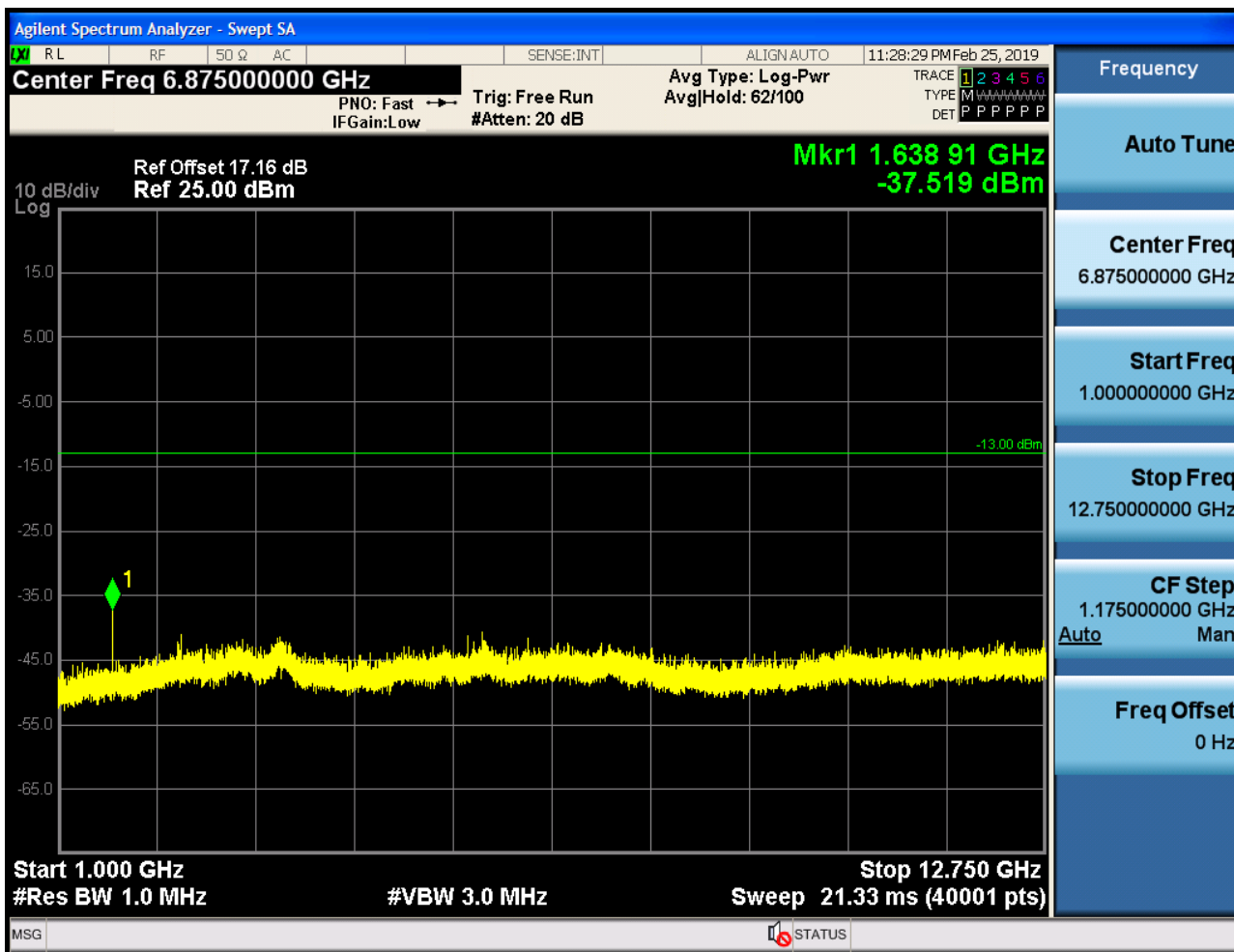
6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0





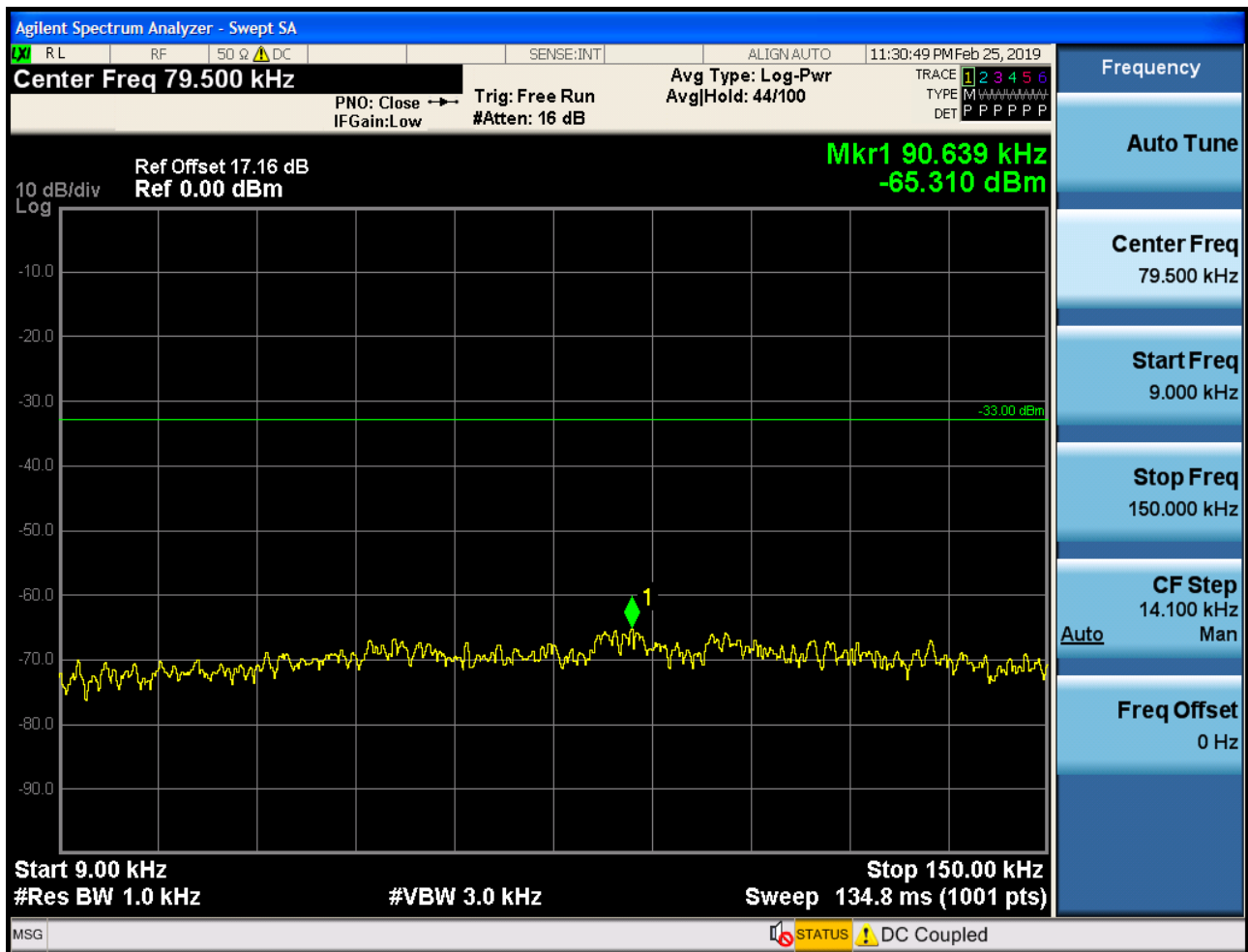


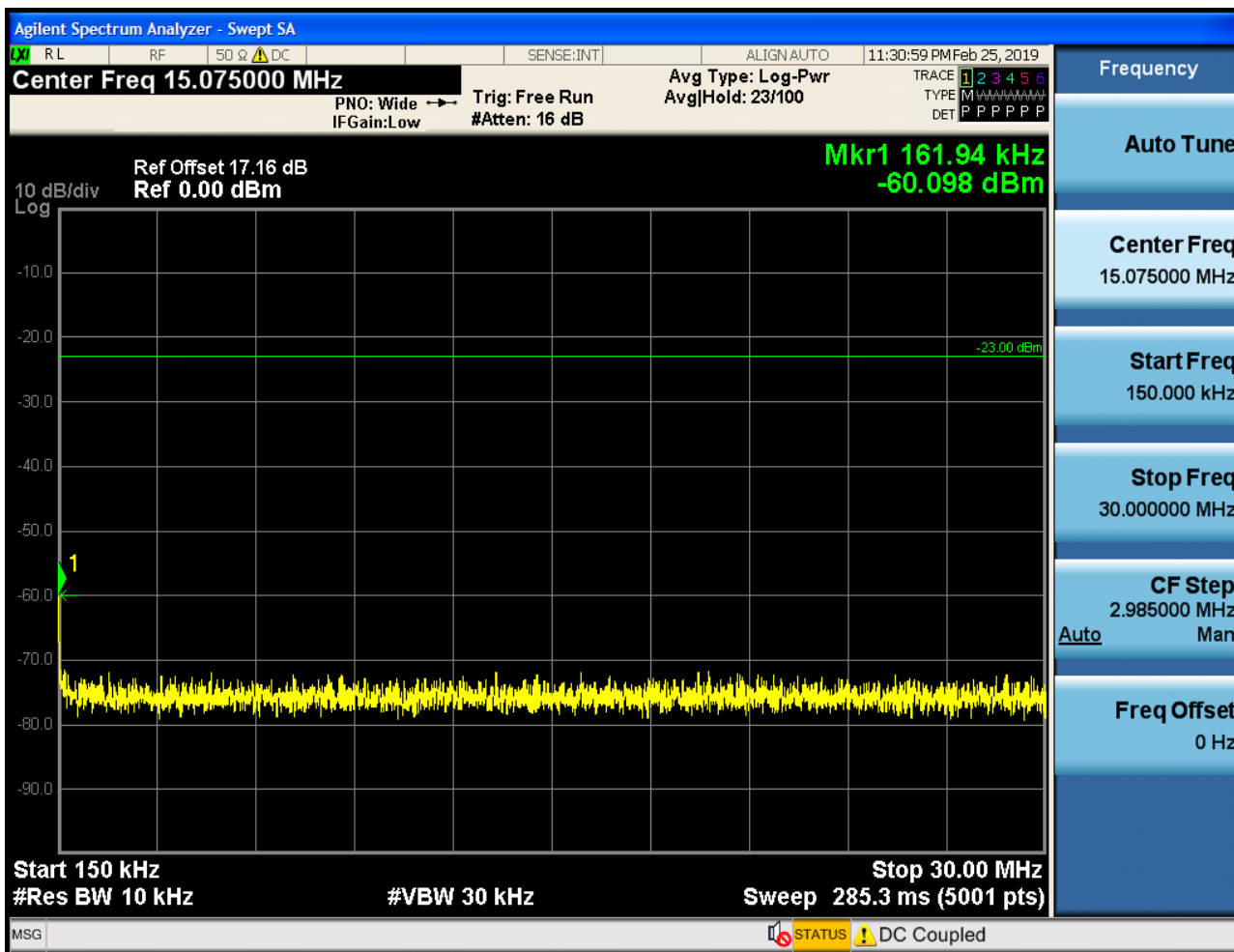


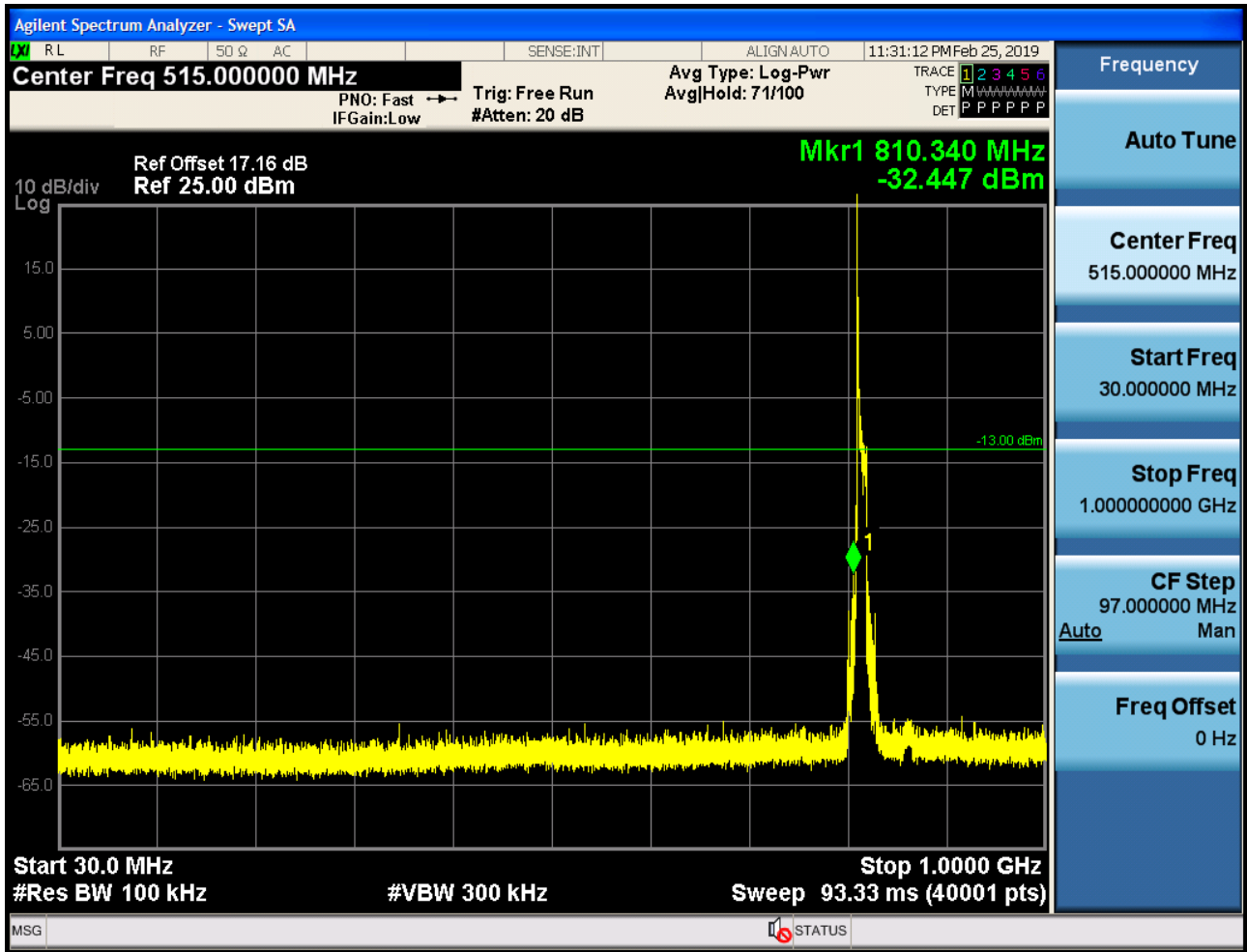
6.2.1.1.4 Test Bandwidth = 10

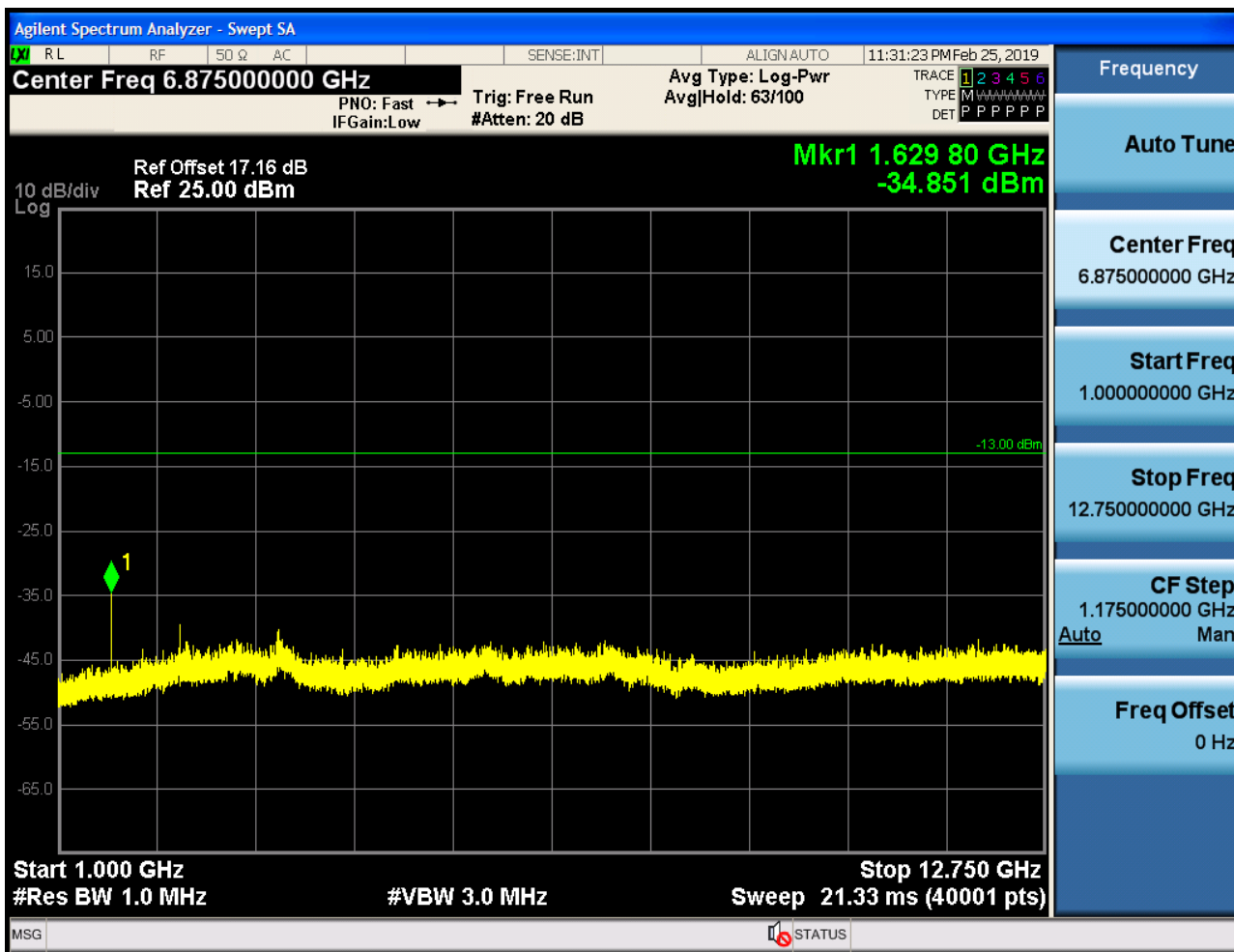
6.2.1.1.4.1 Test Channel = MCH

6.2.1.1.4.1.1 Test RB = RB1#0









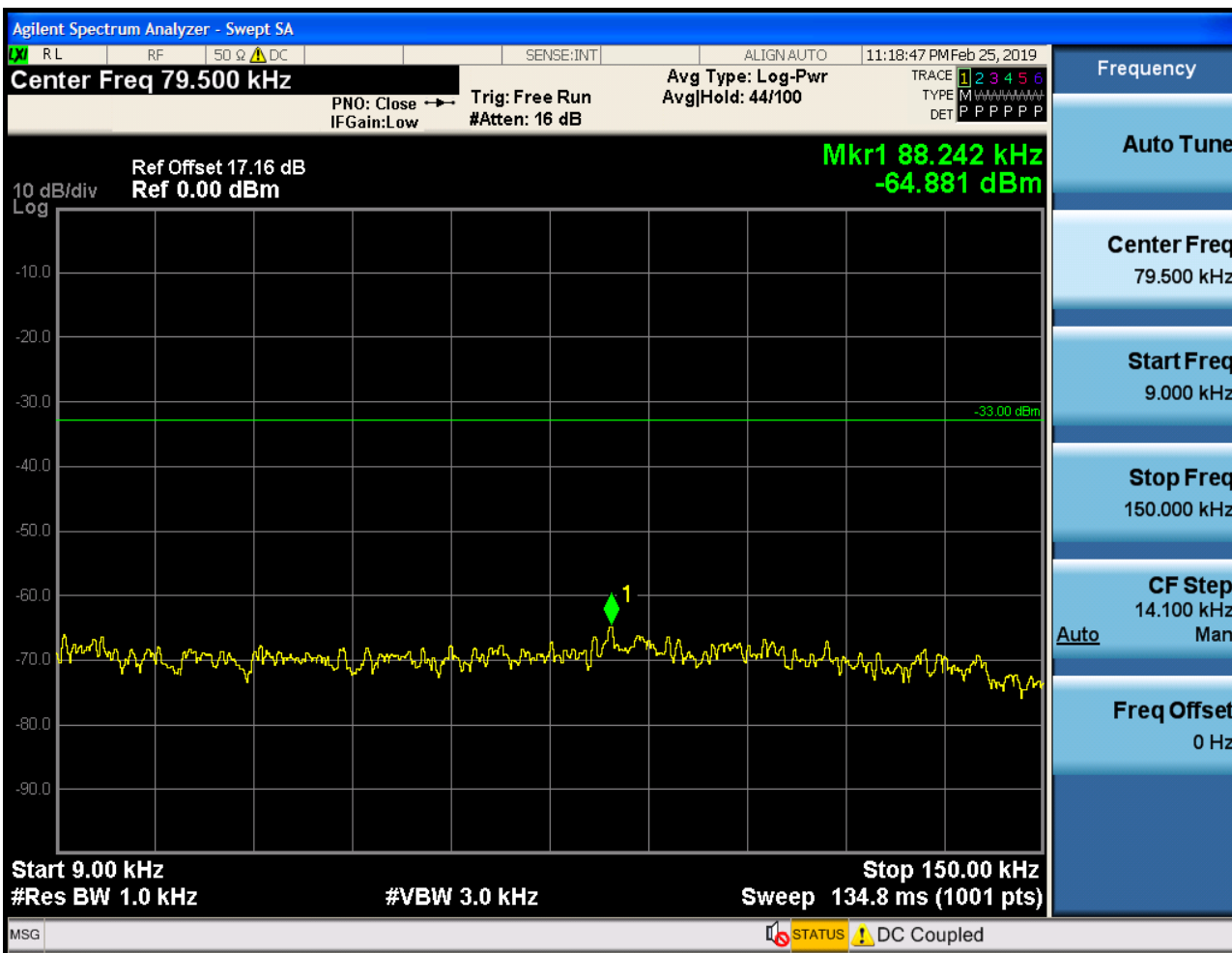


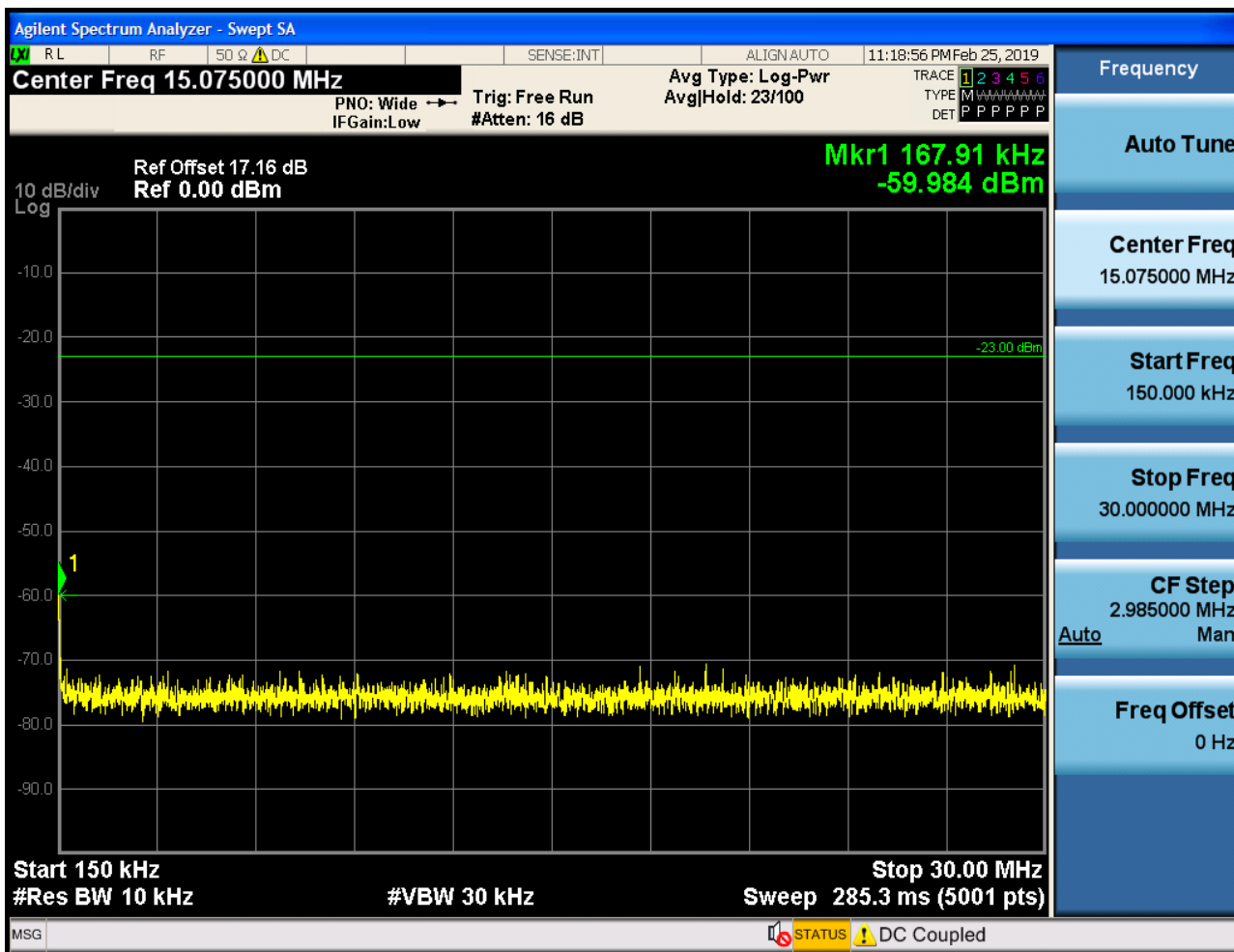
6.2.1.2 Test Mode = LTE/TM2

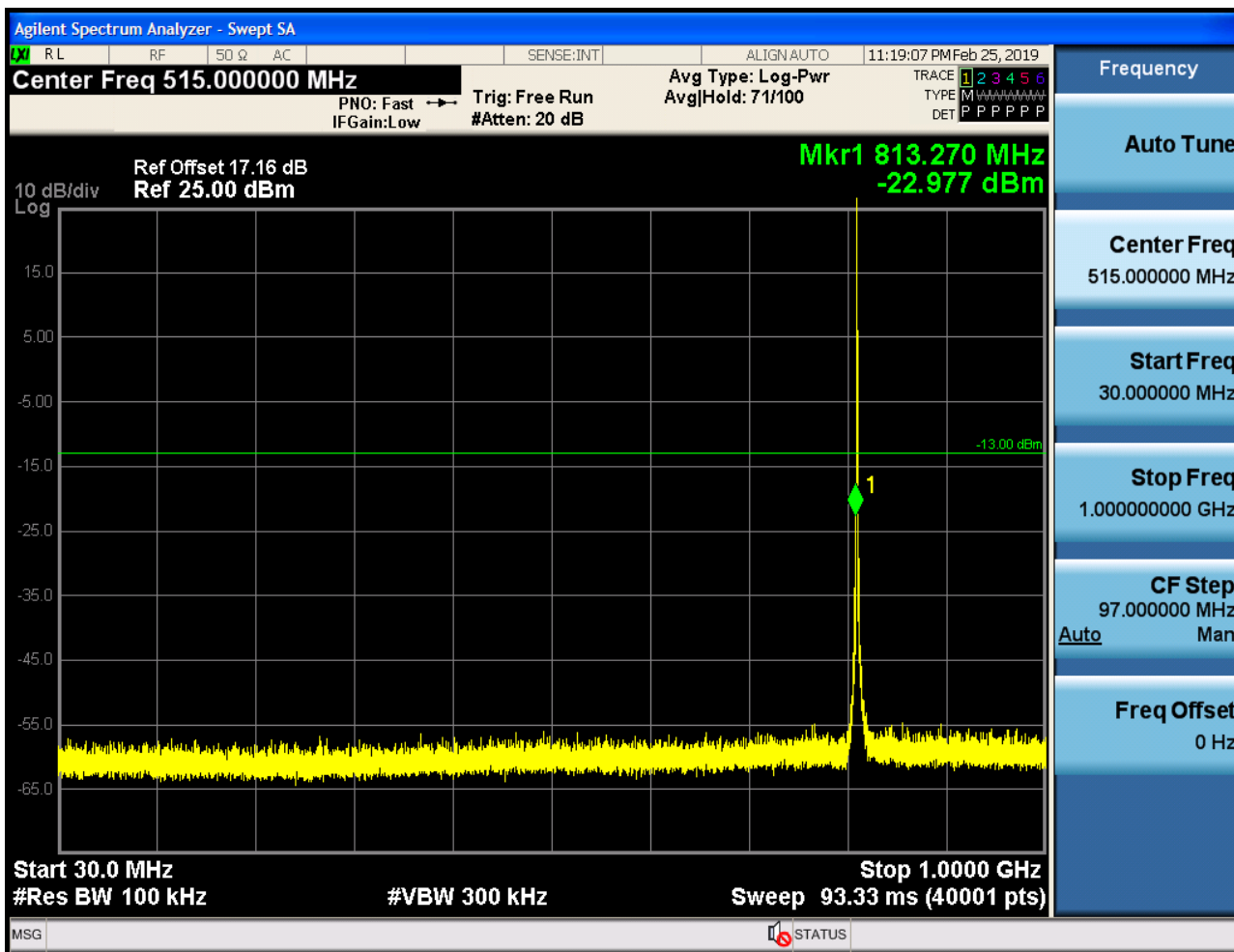
6.2.1.2.1 Test Bandwidth = 1.4

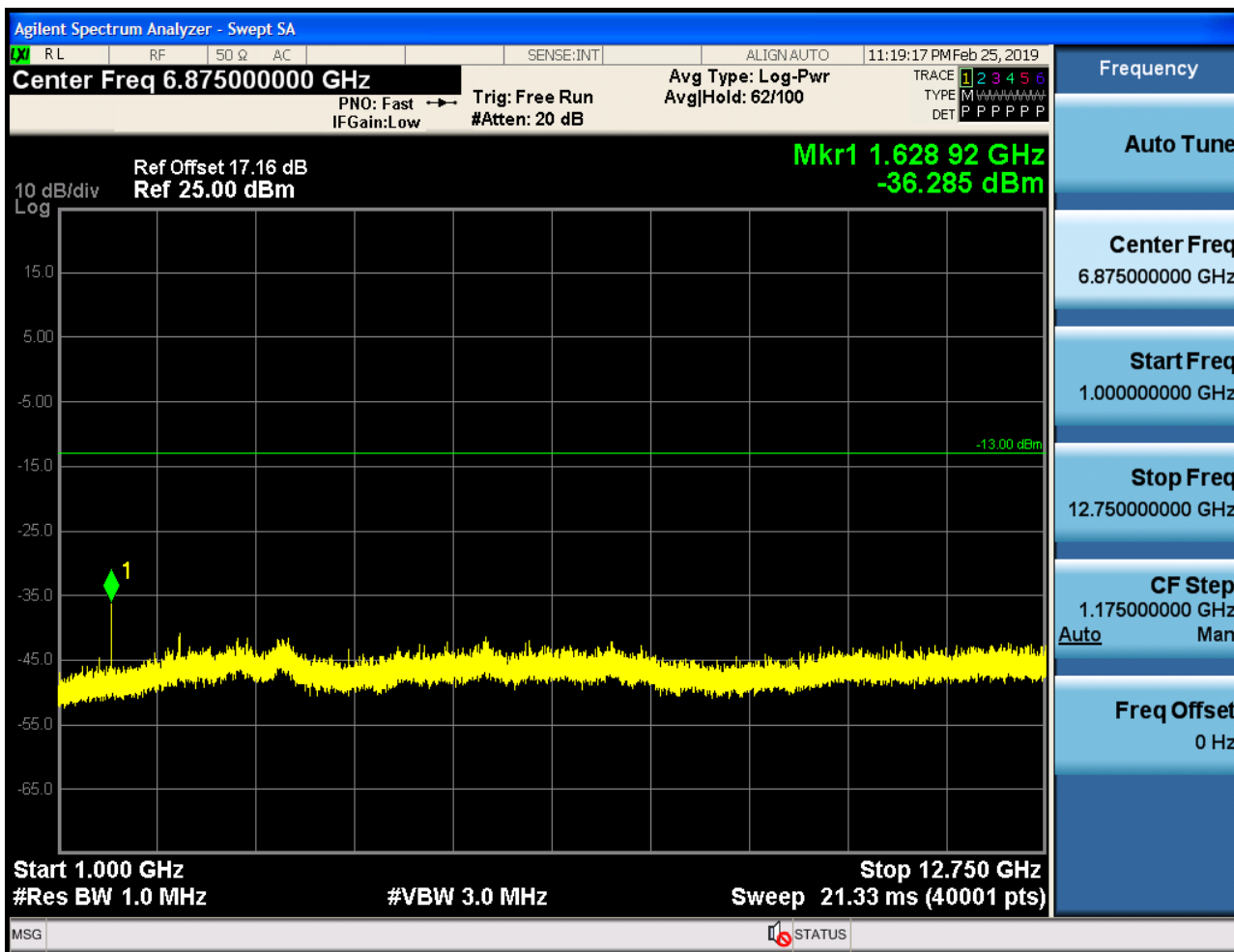
6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0





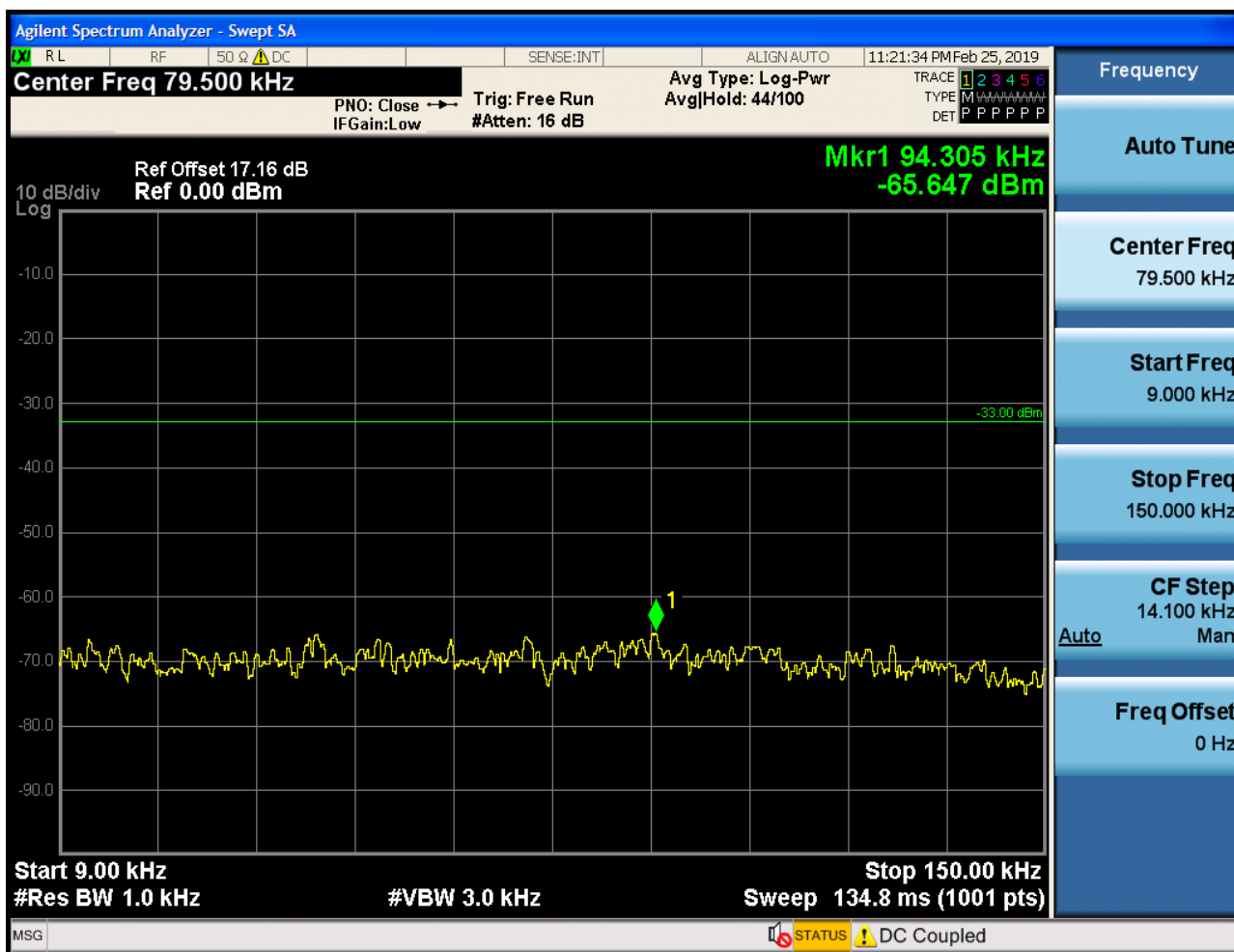


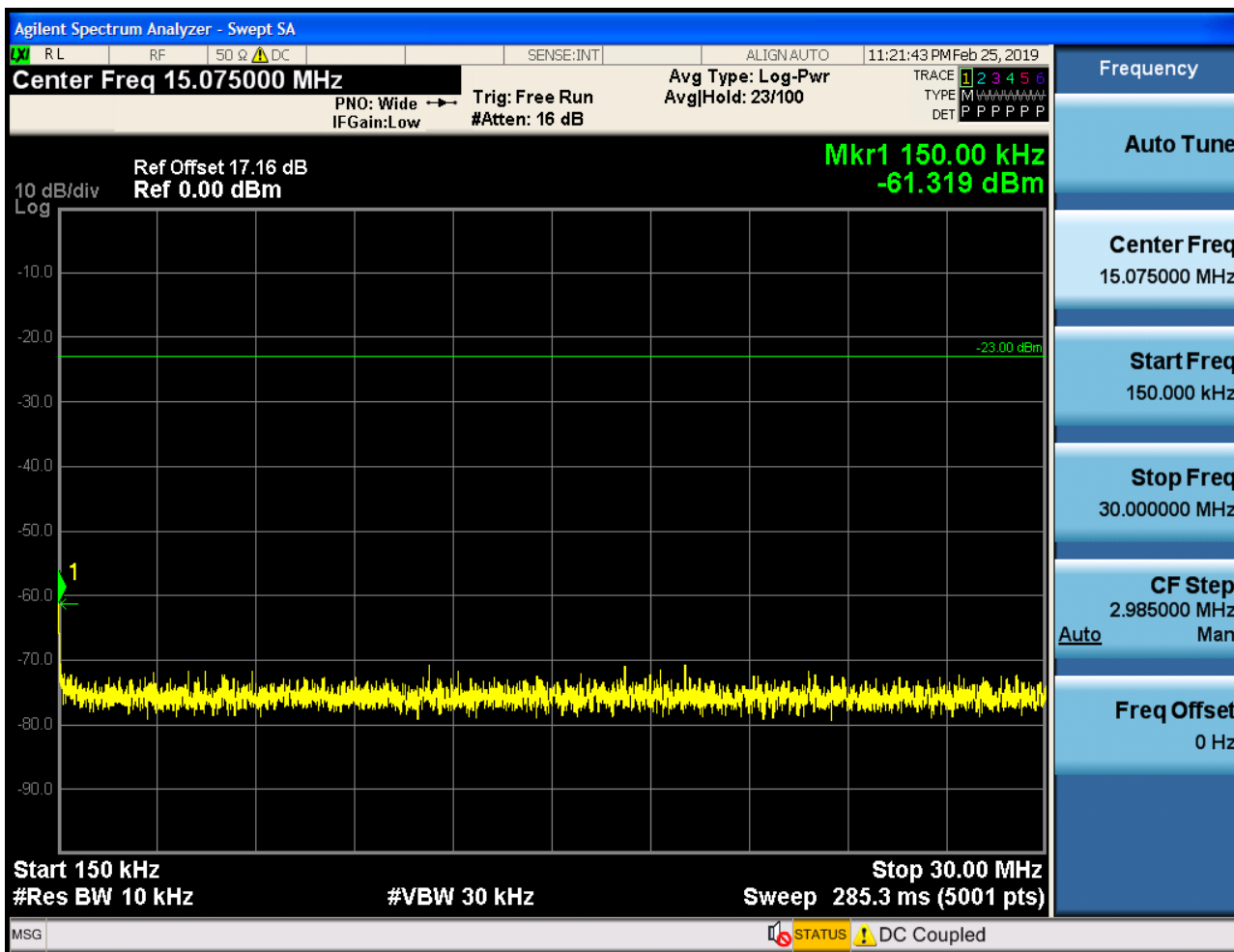


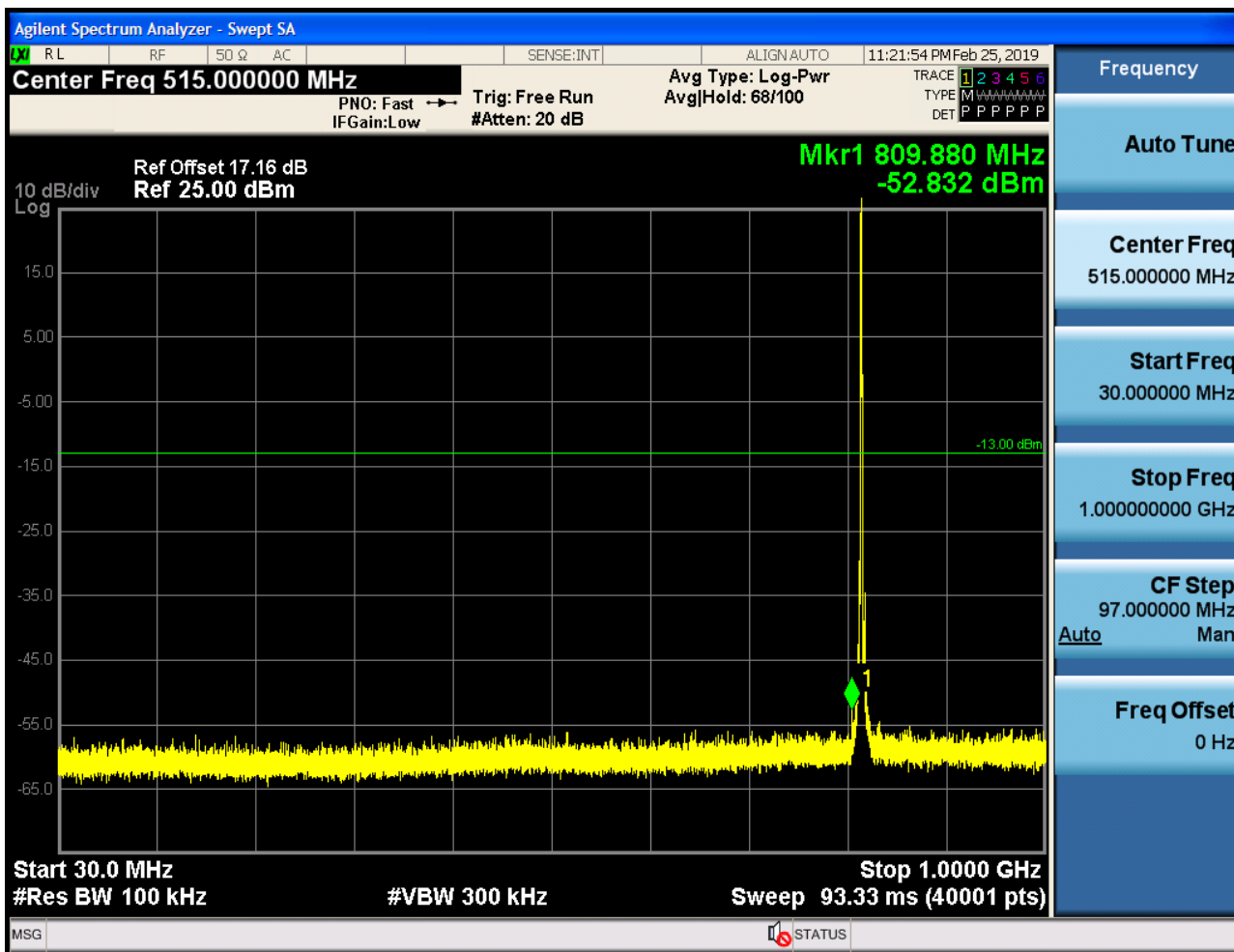


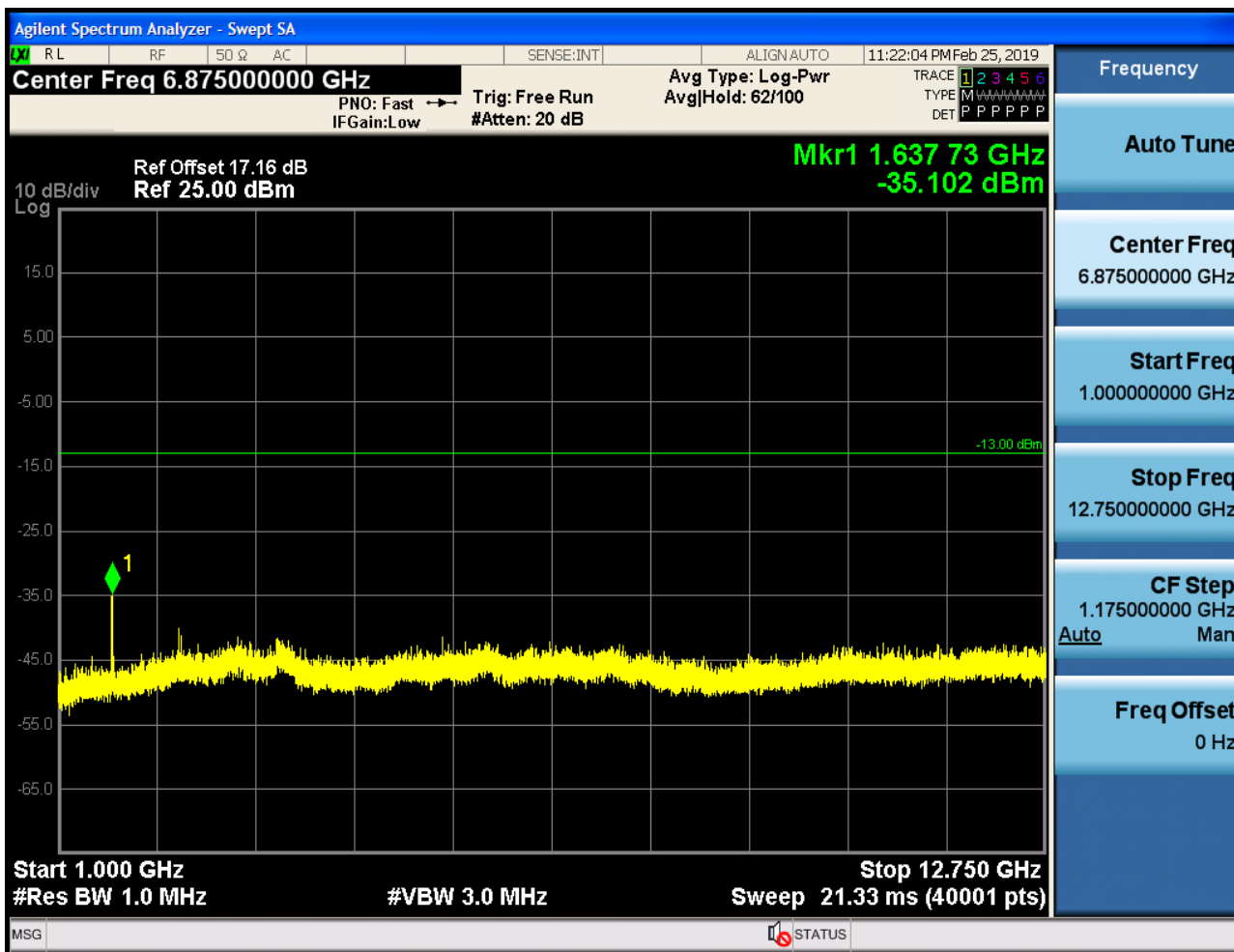
6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0





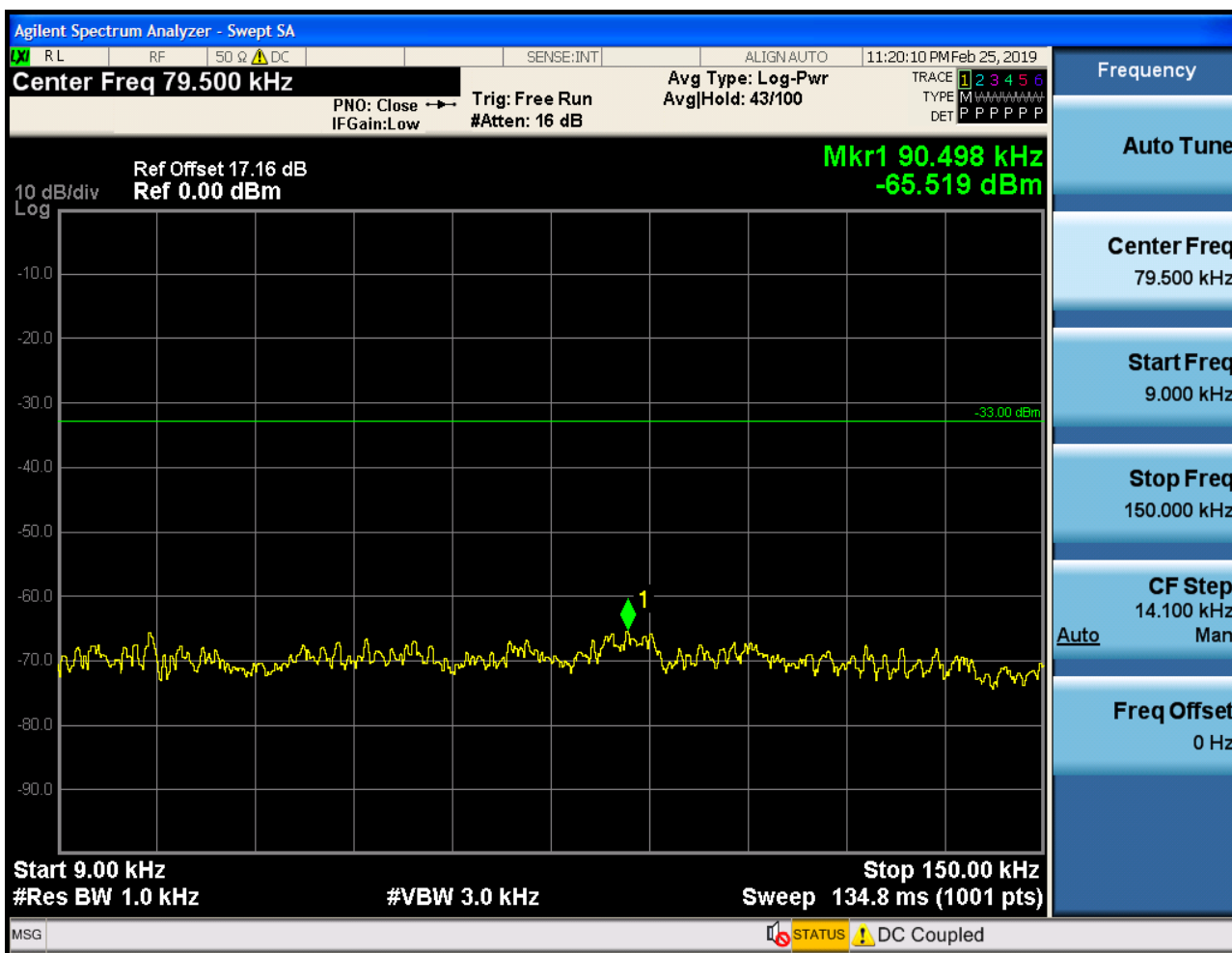


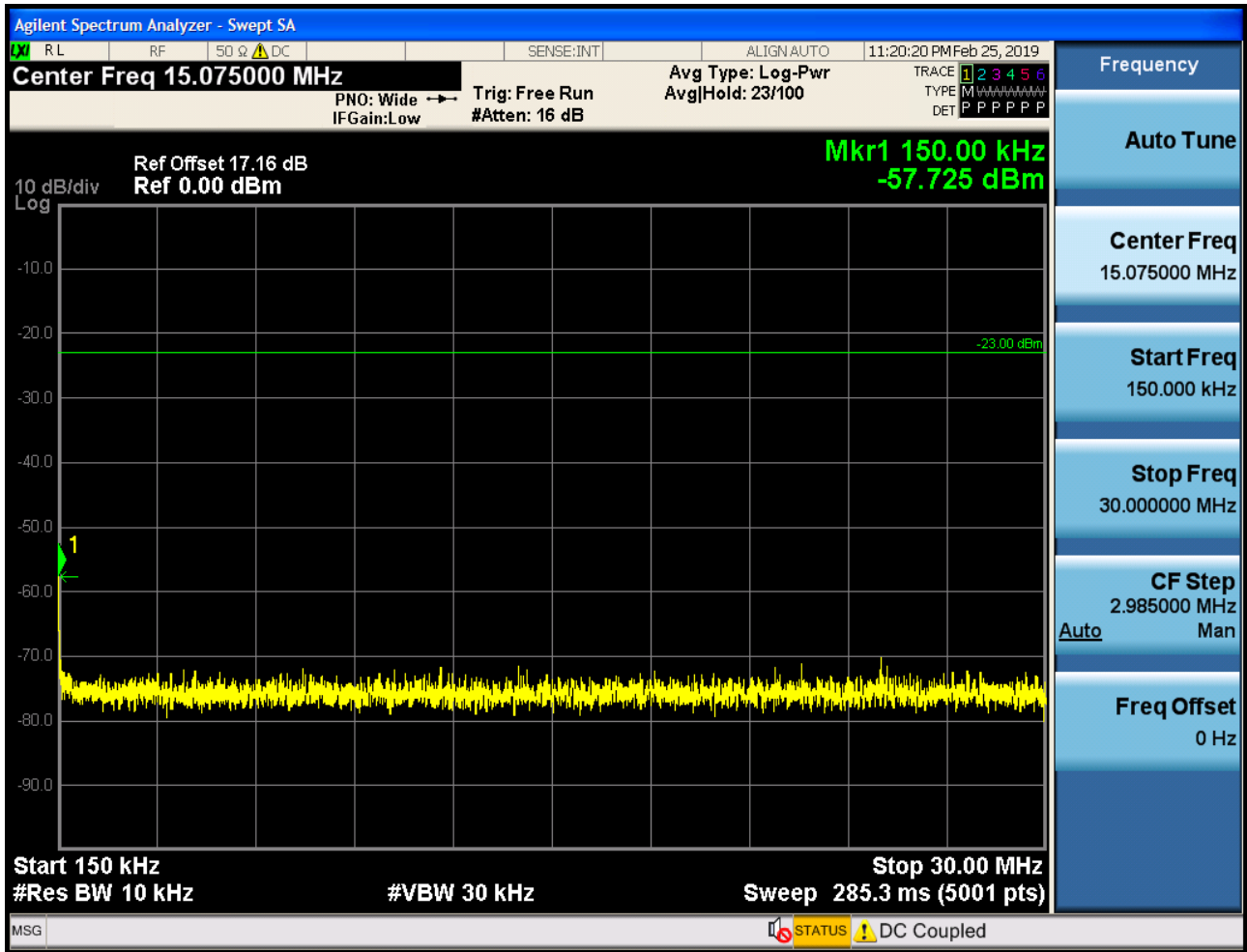


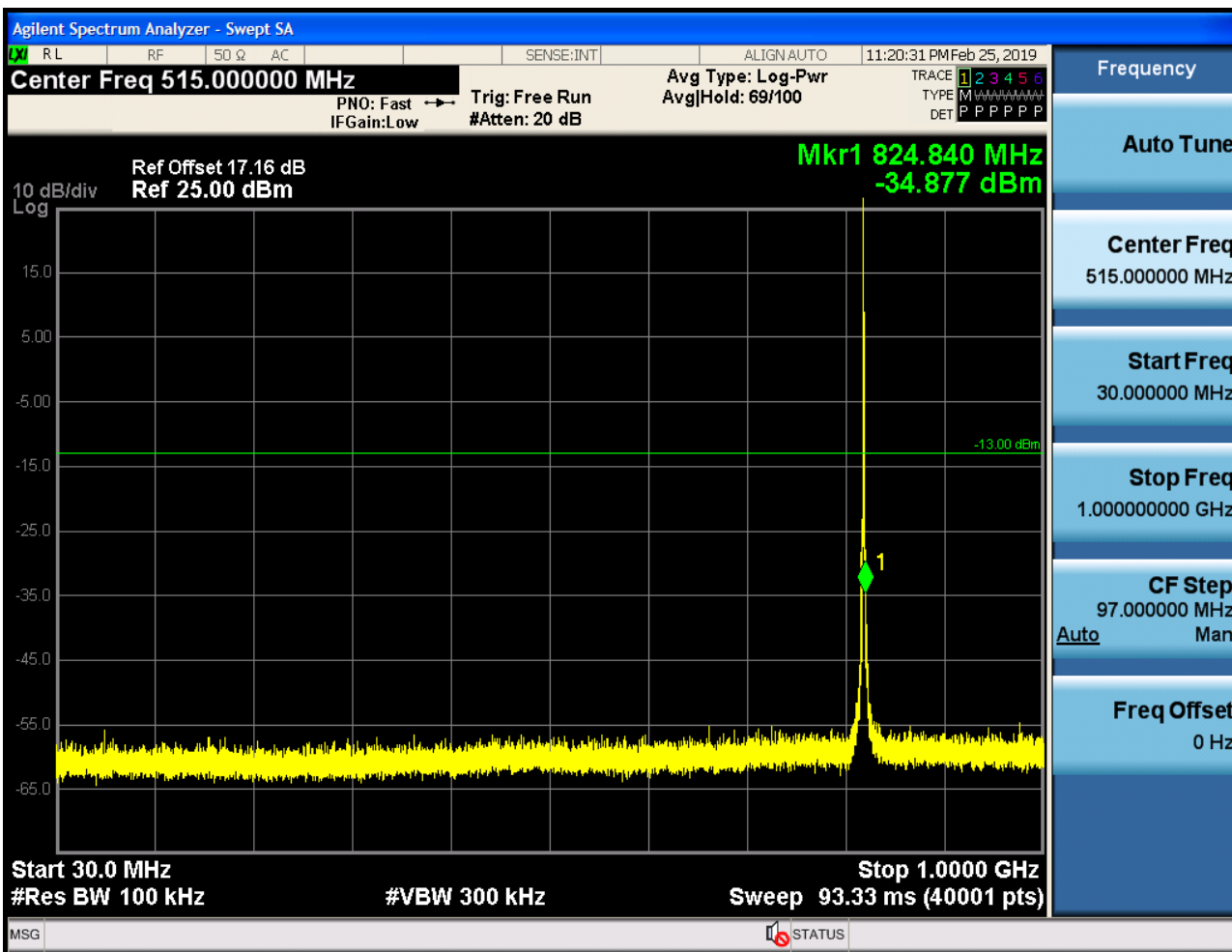


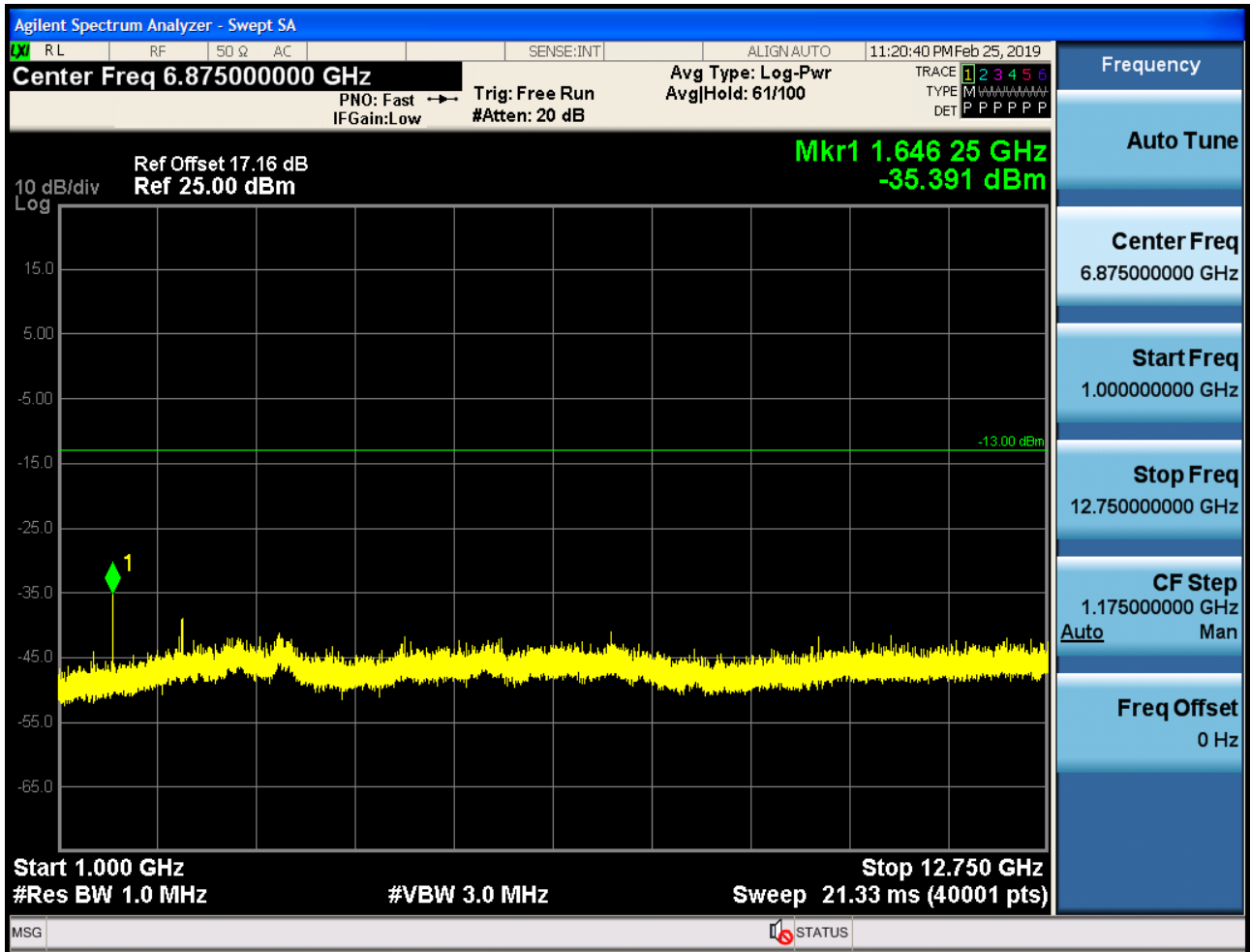
6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0





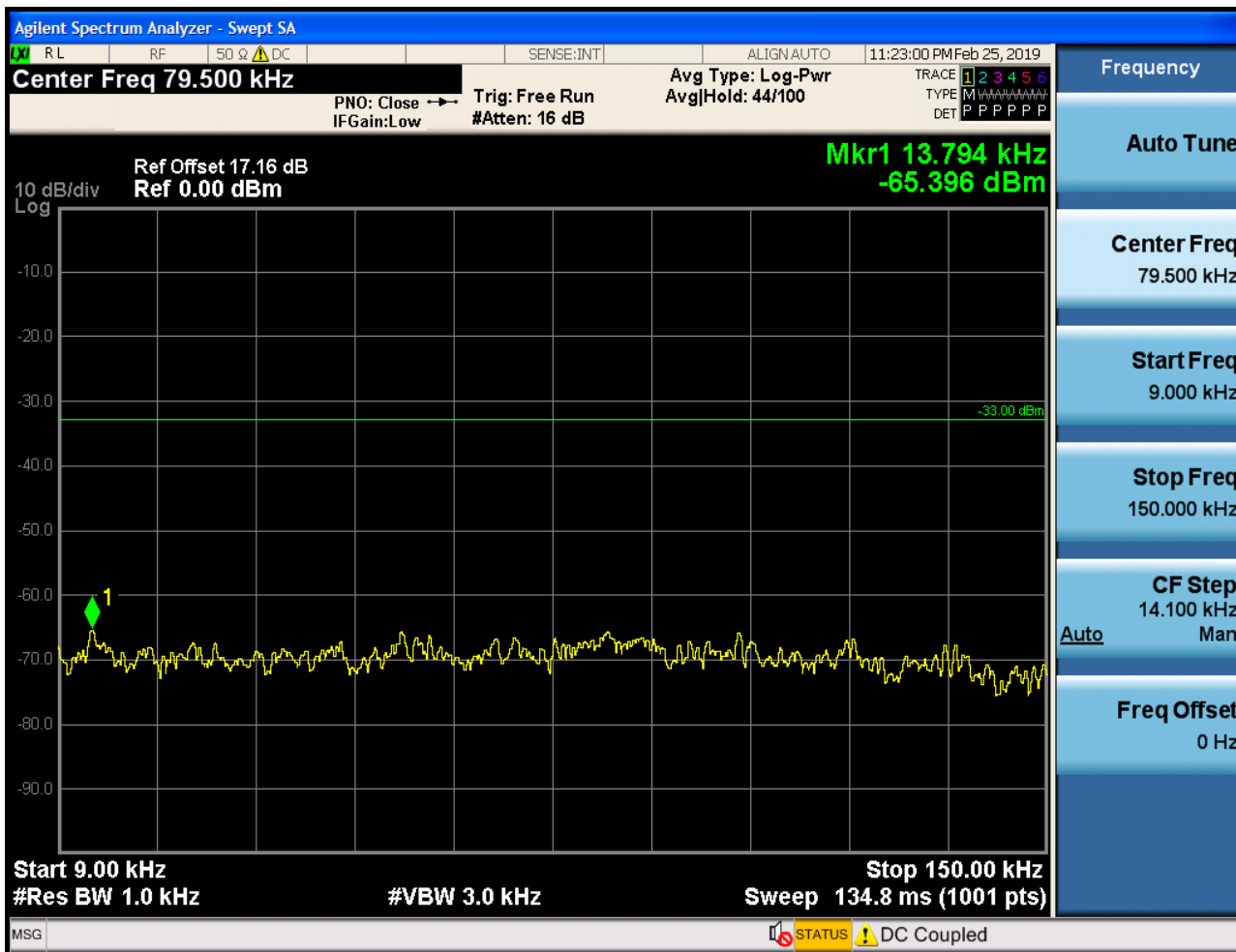


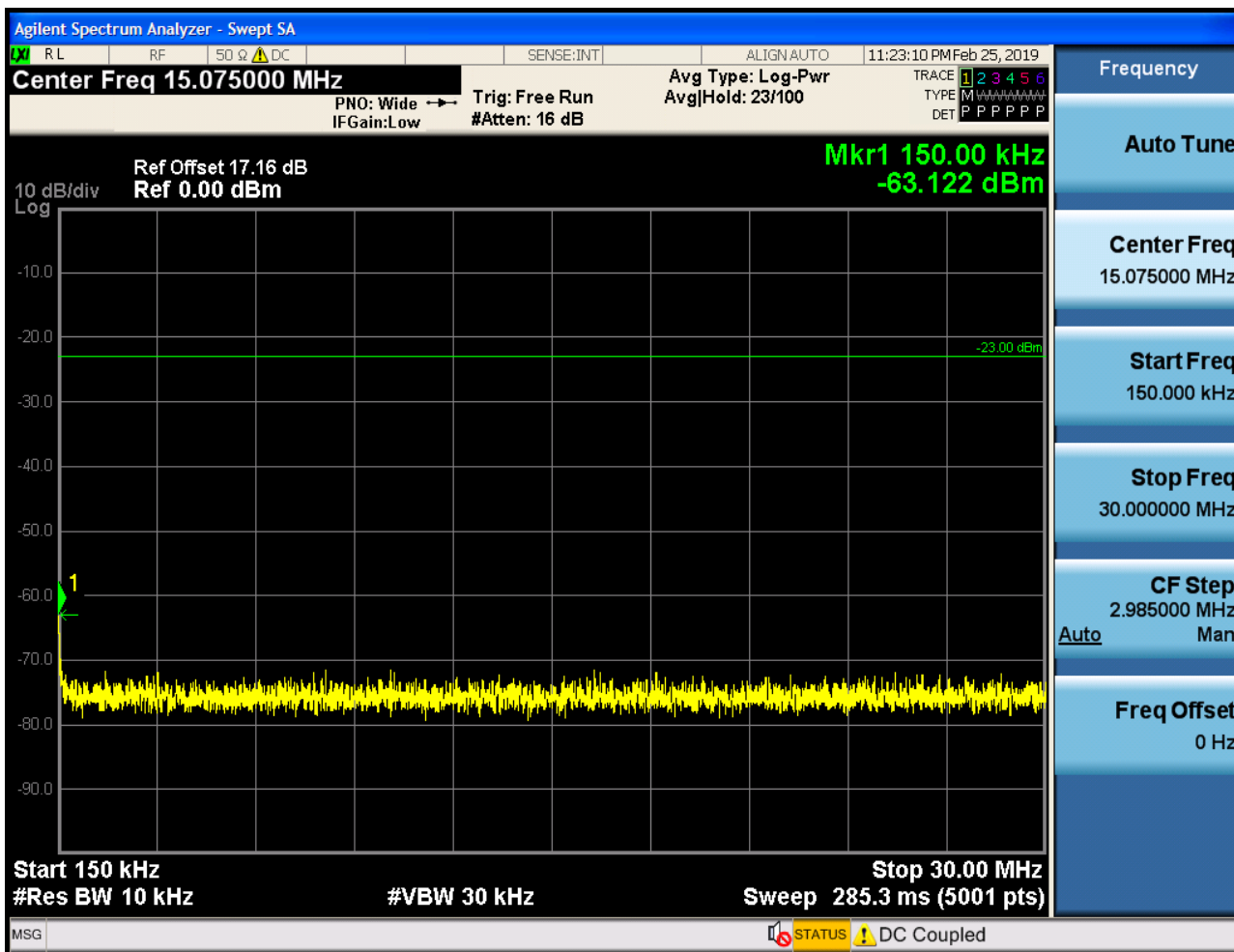


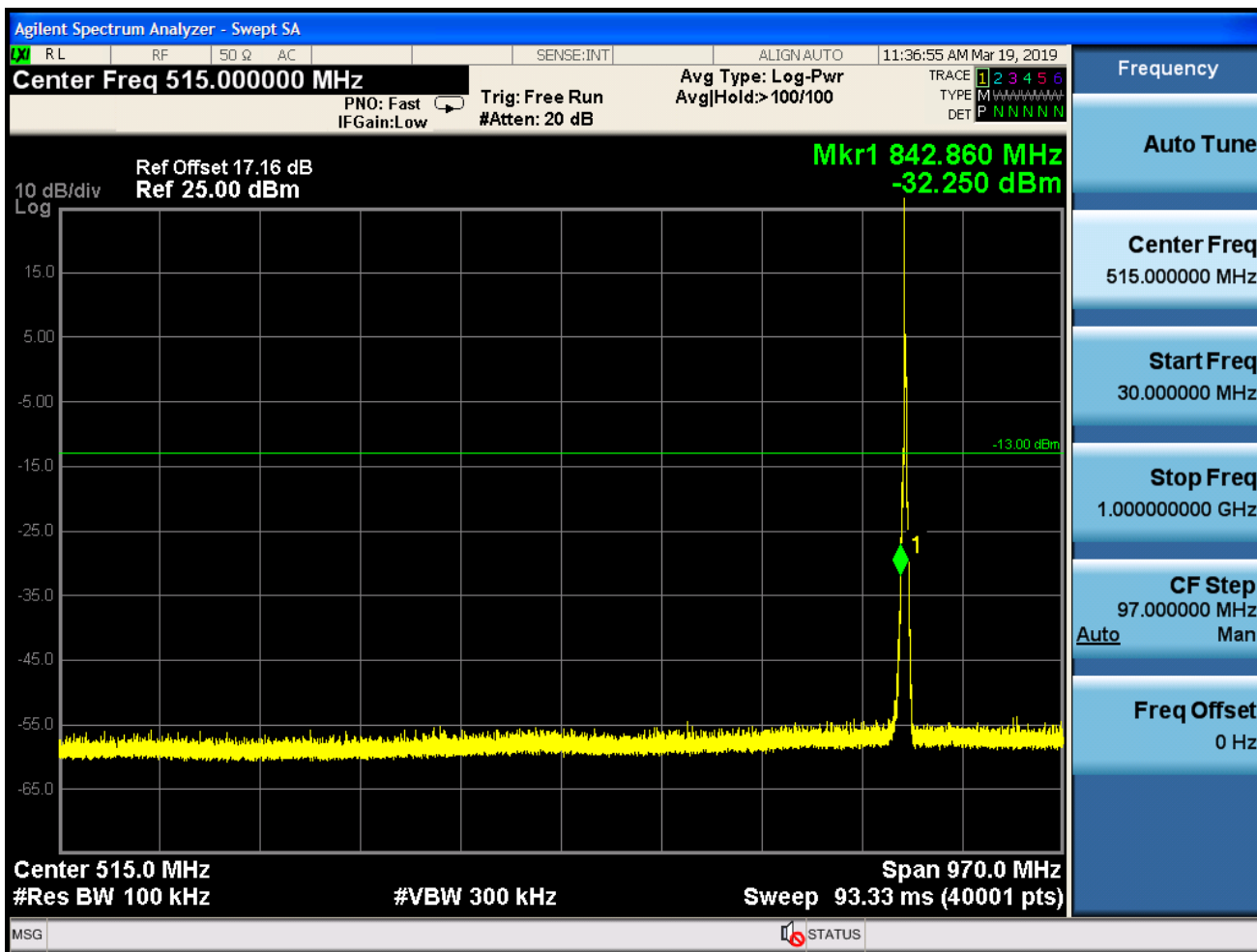
6.2.1.2.2 Test Bandwidth = 3

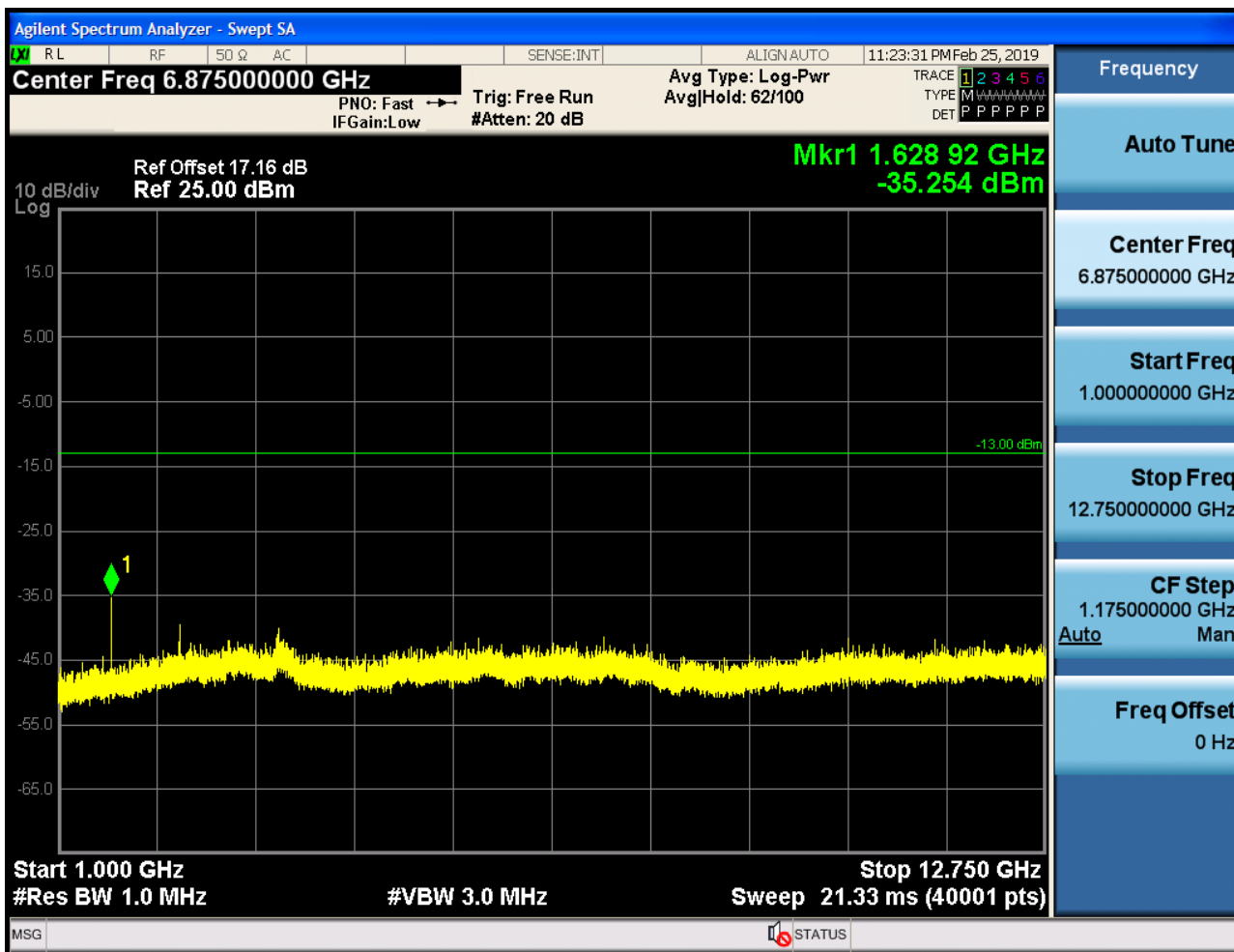
6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0





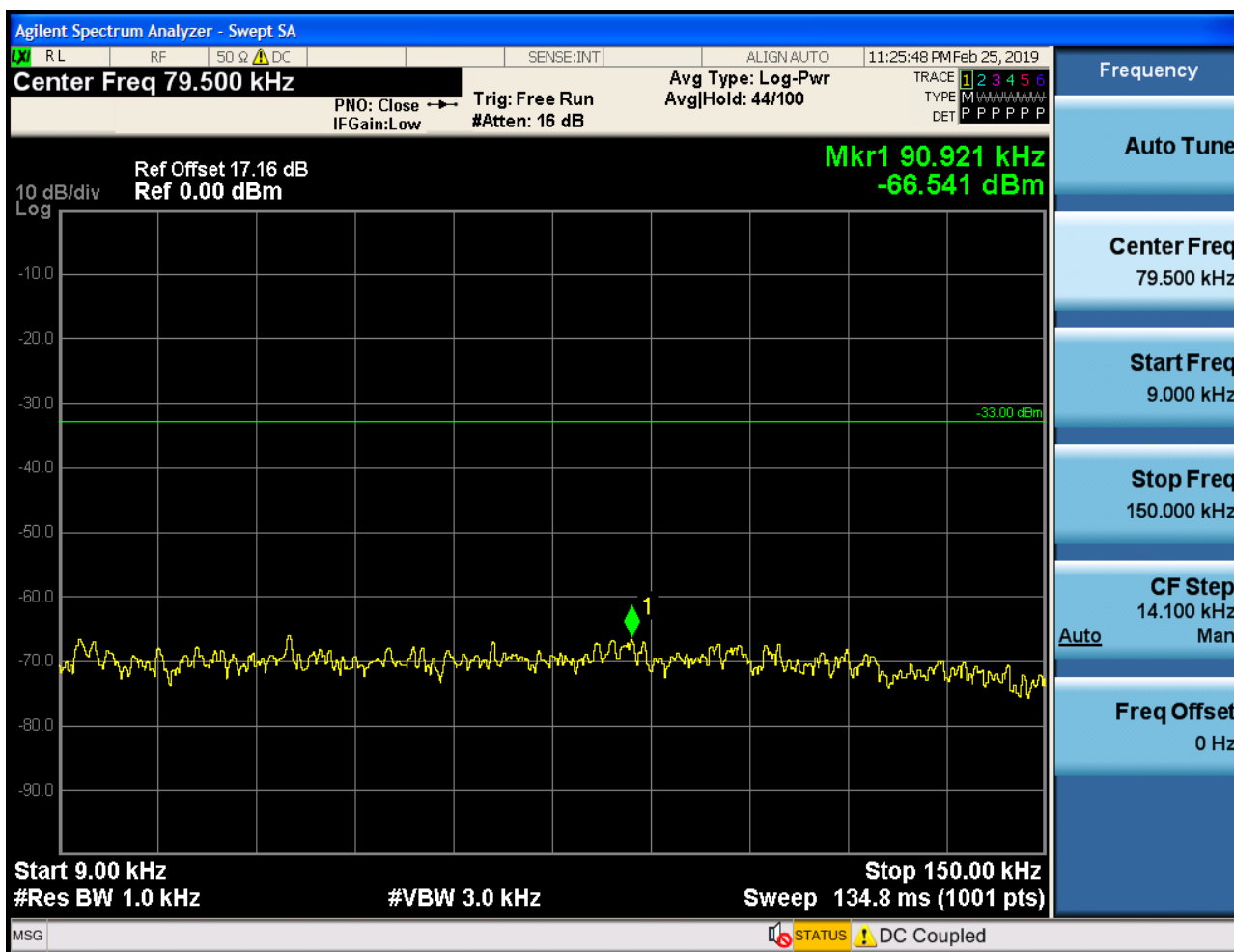


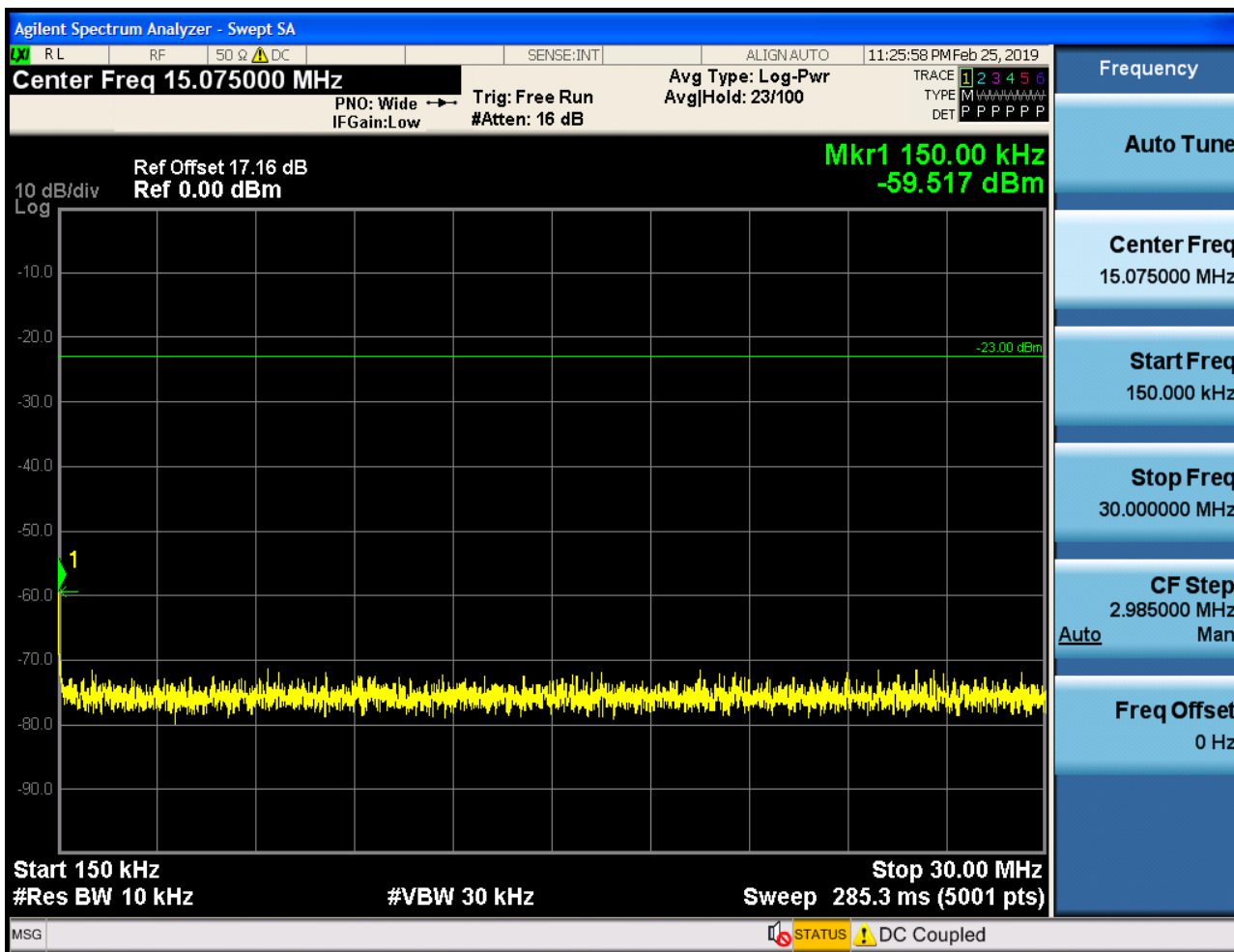


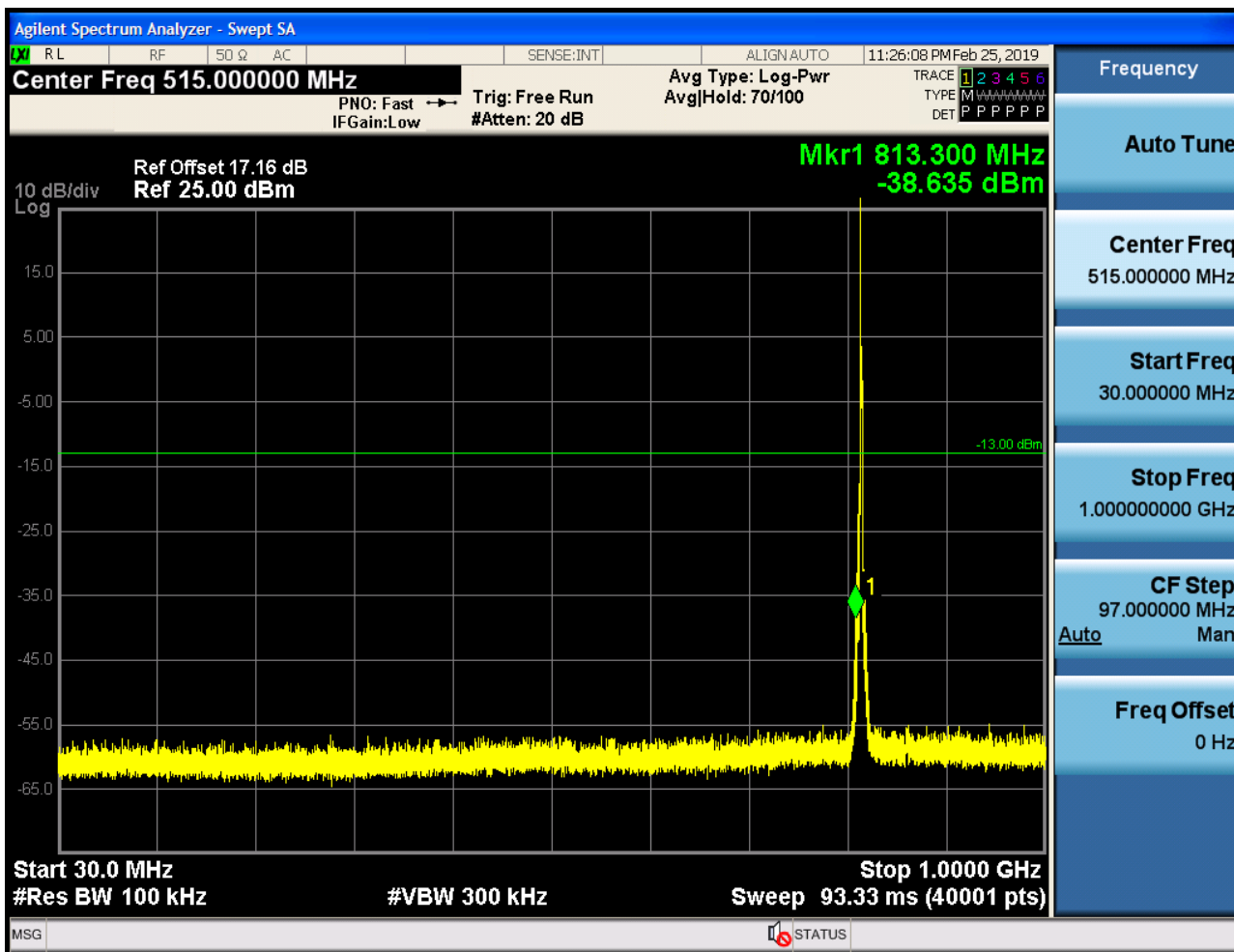


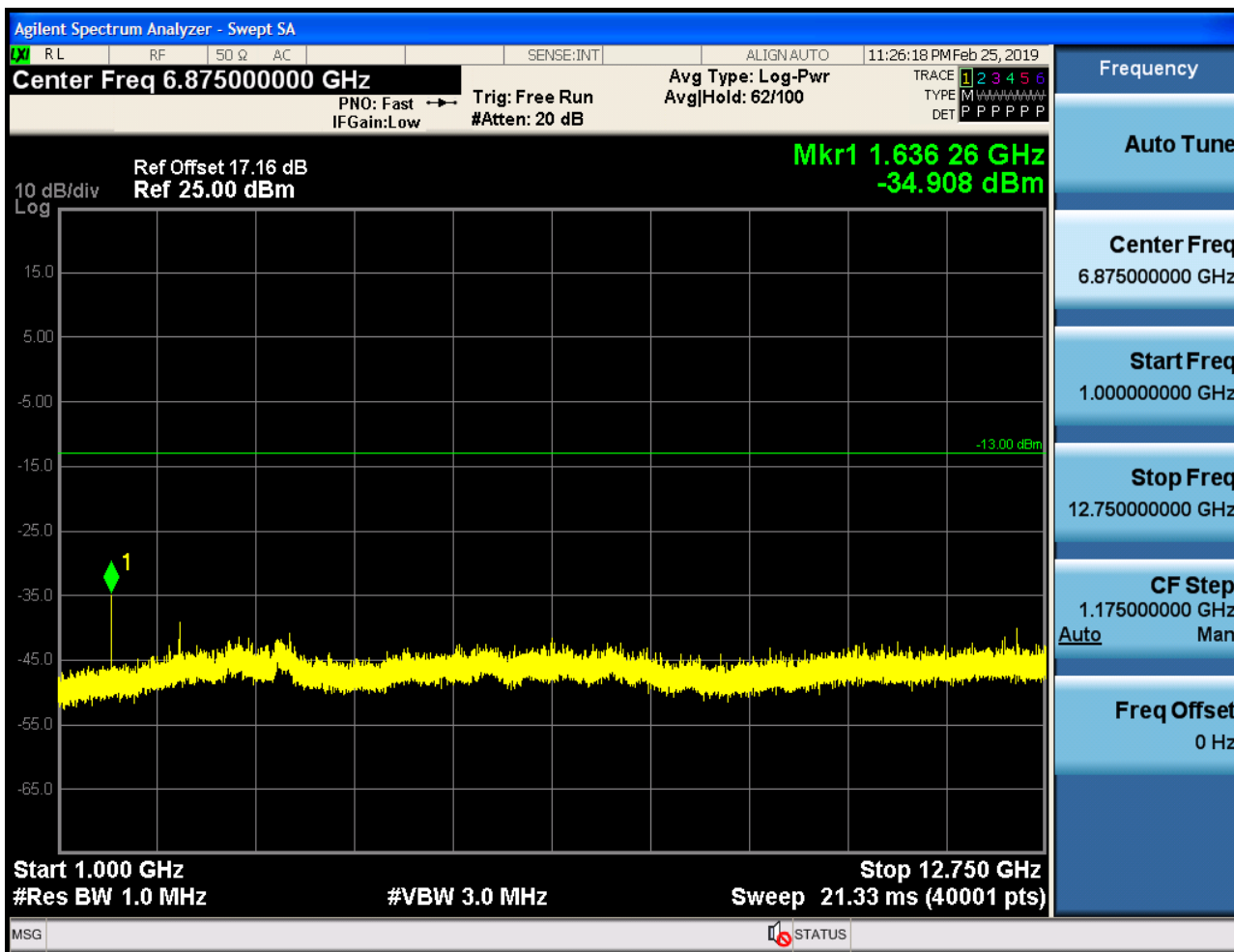
6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0



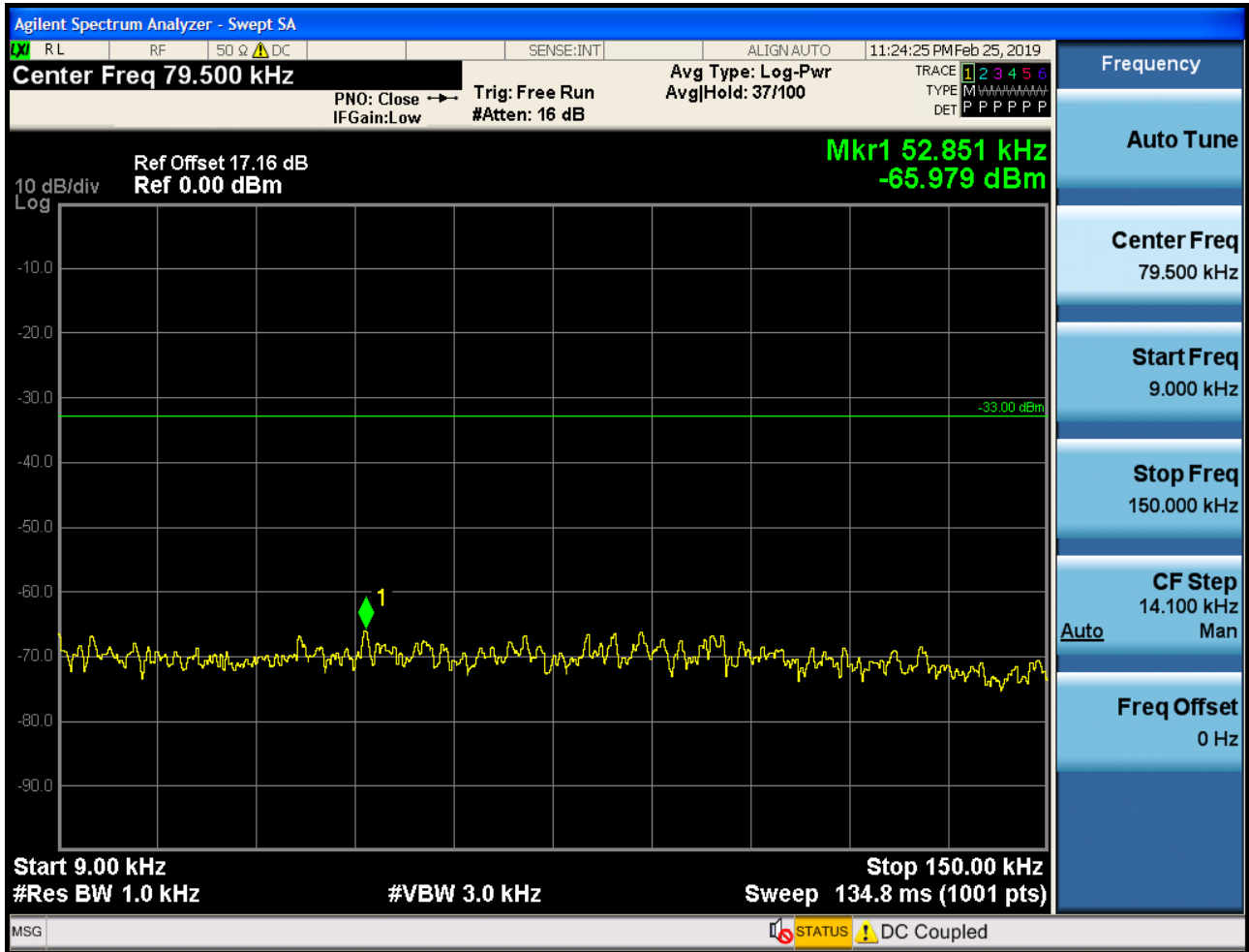


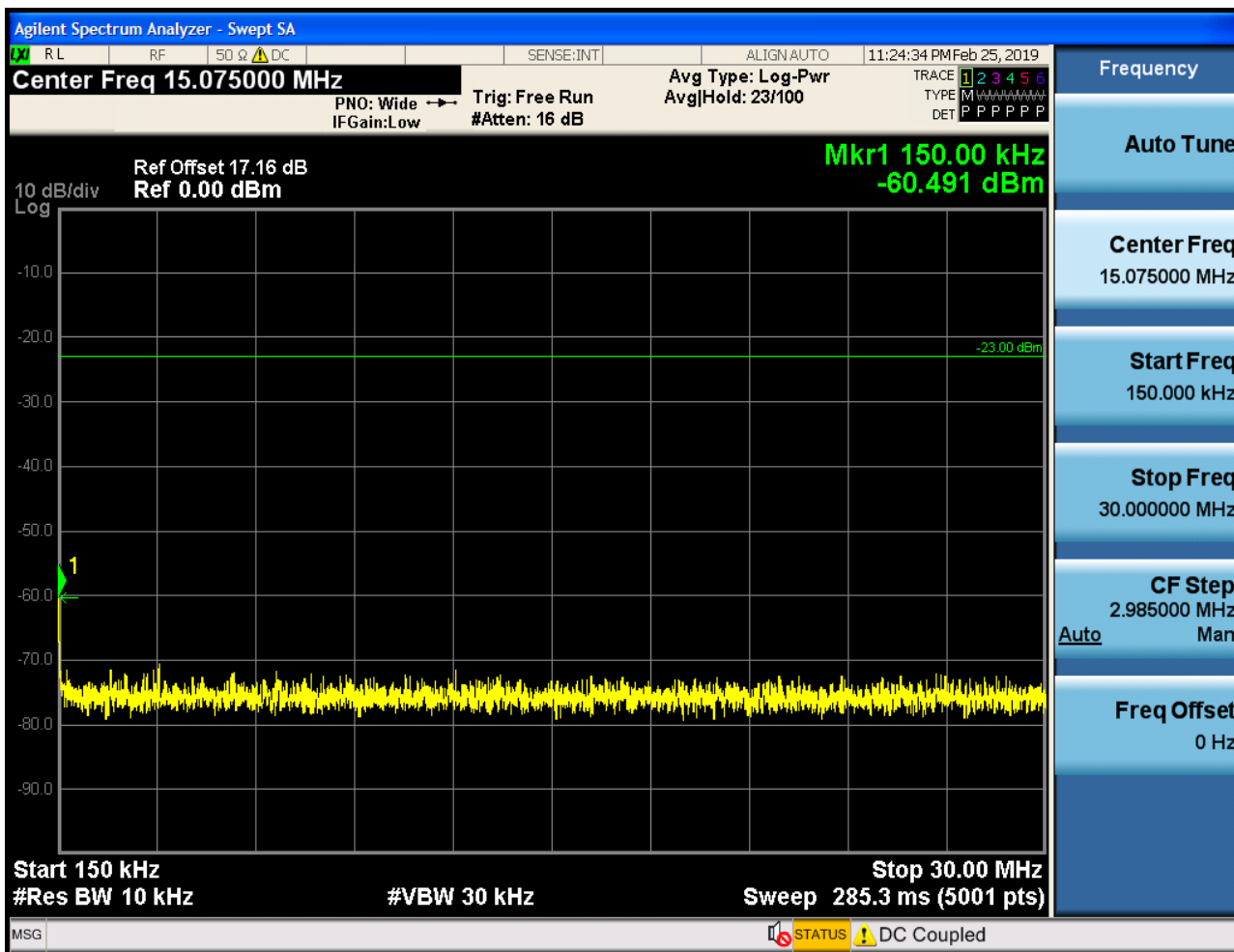


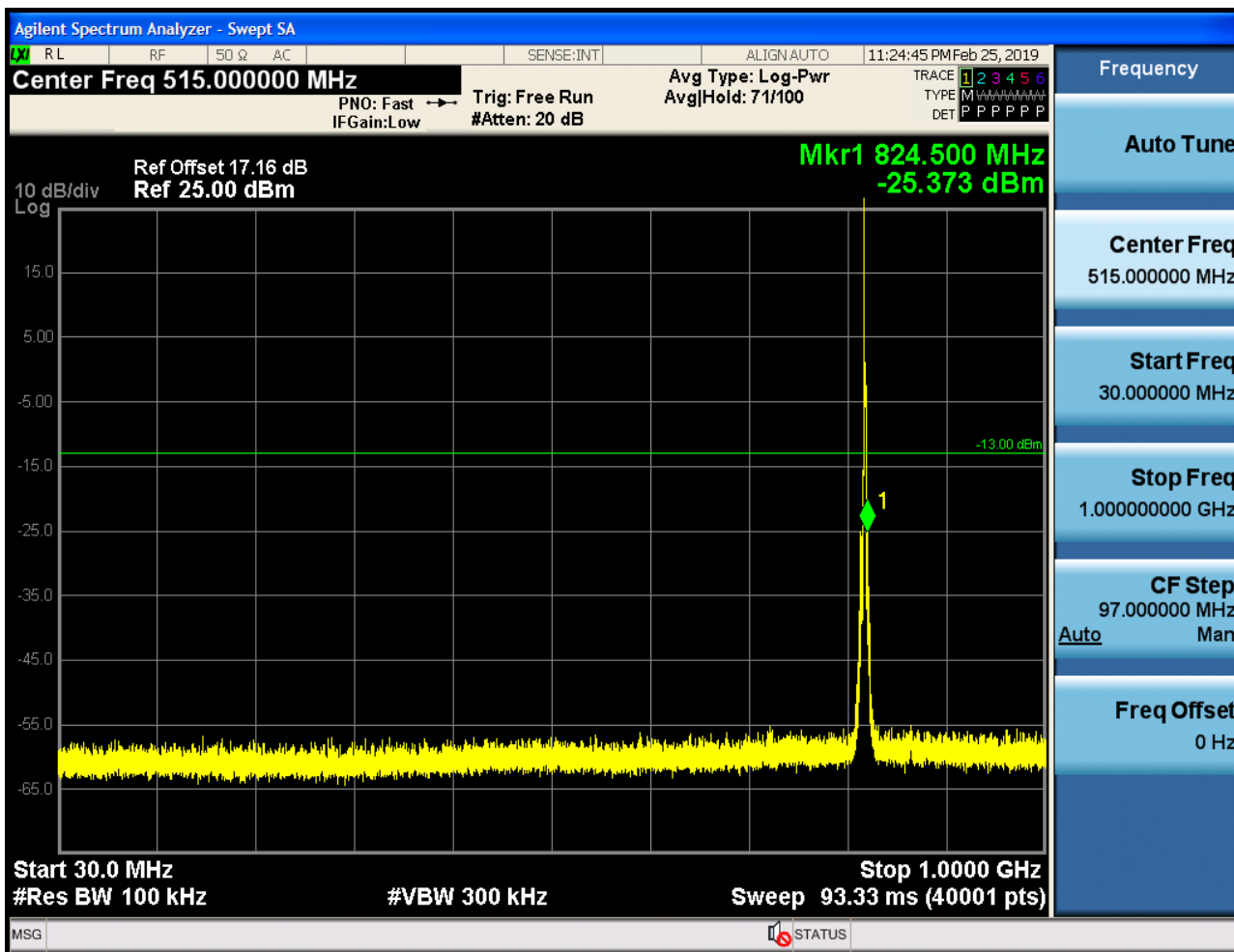


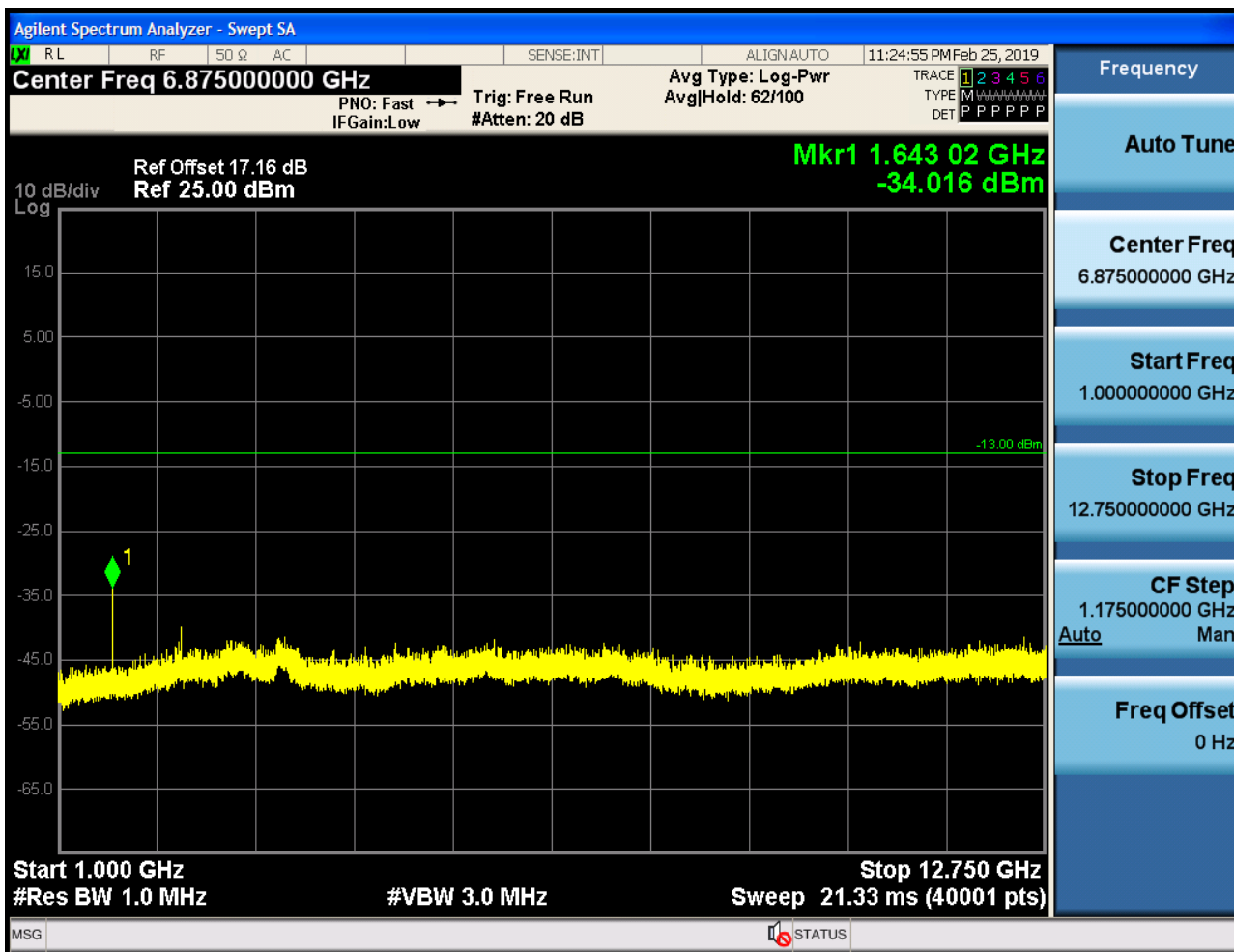
6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0





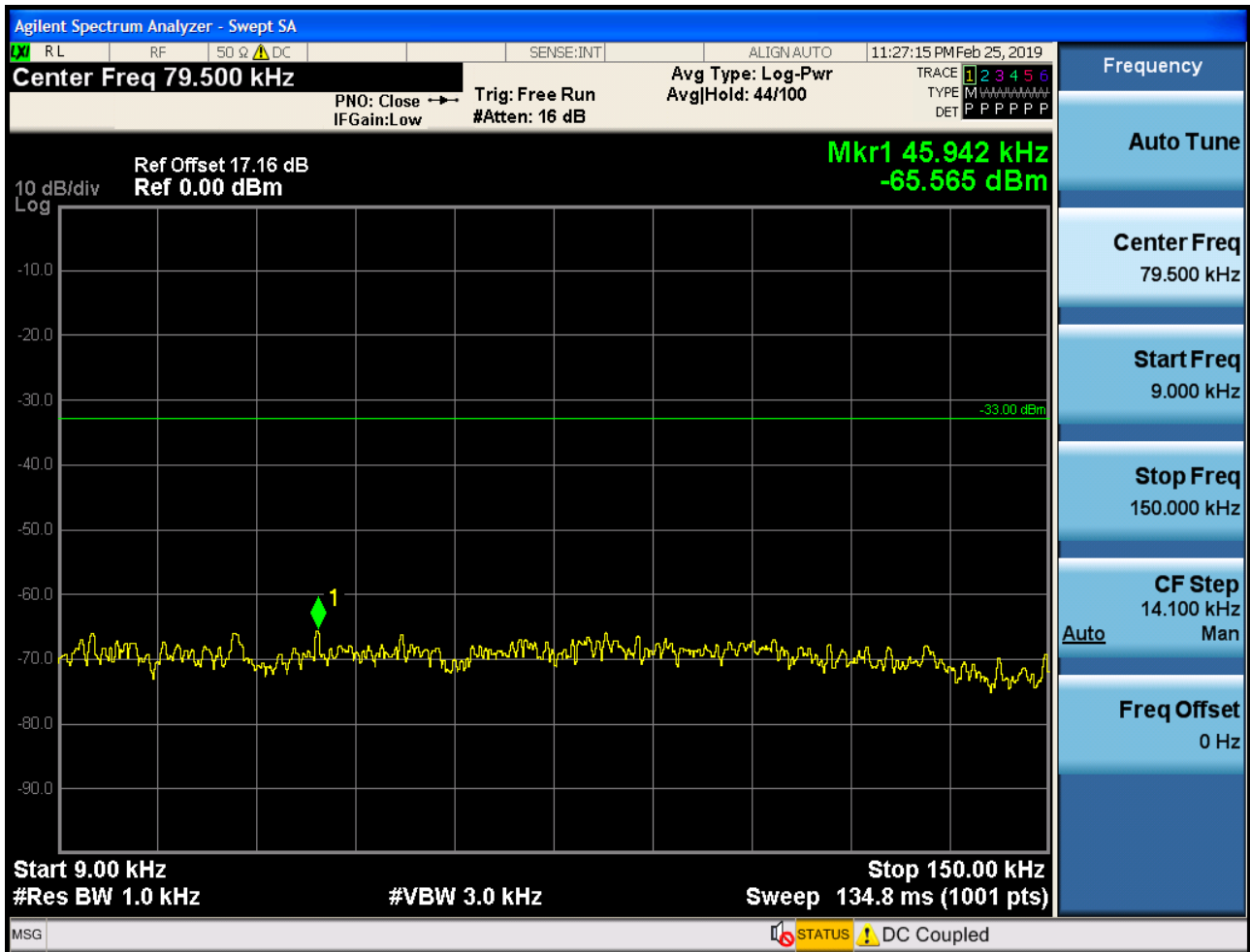


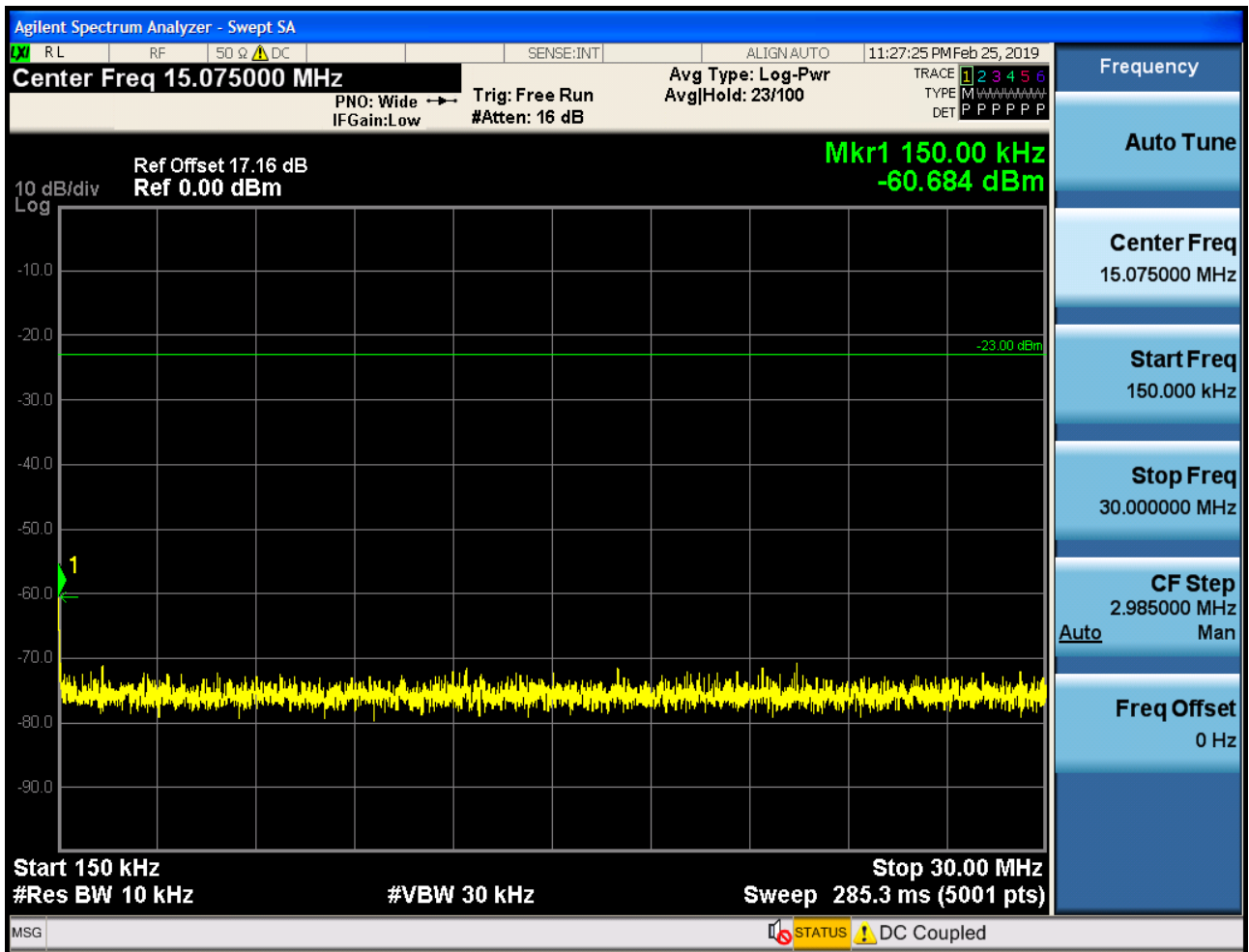


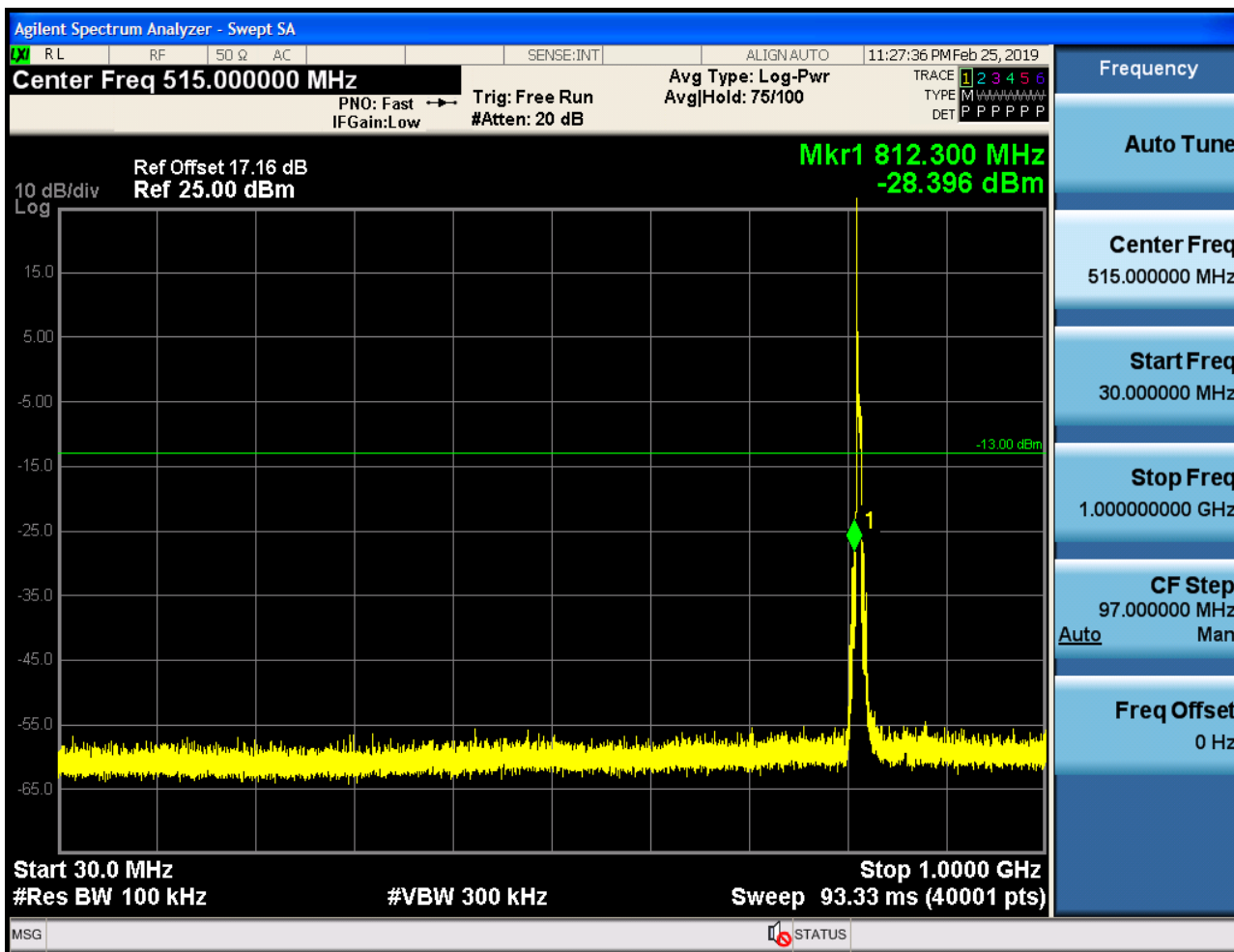
6.2.1.2.3 Test Bandwidth = 5

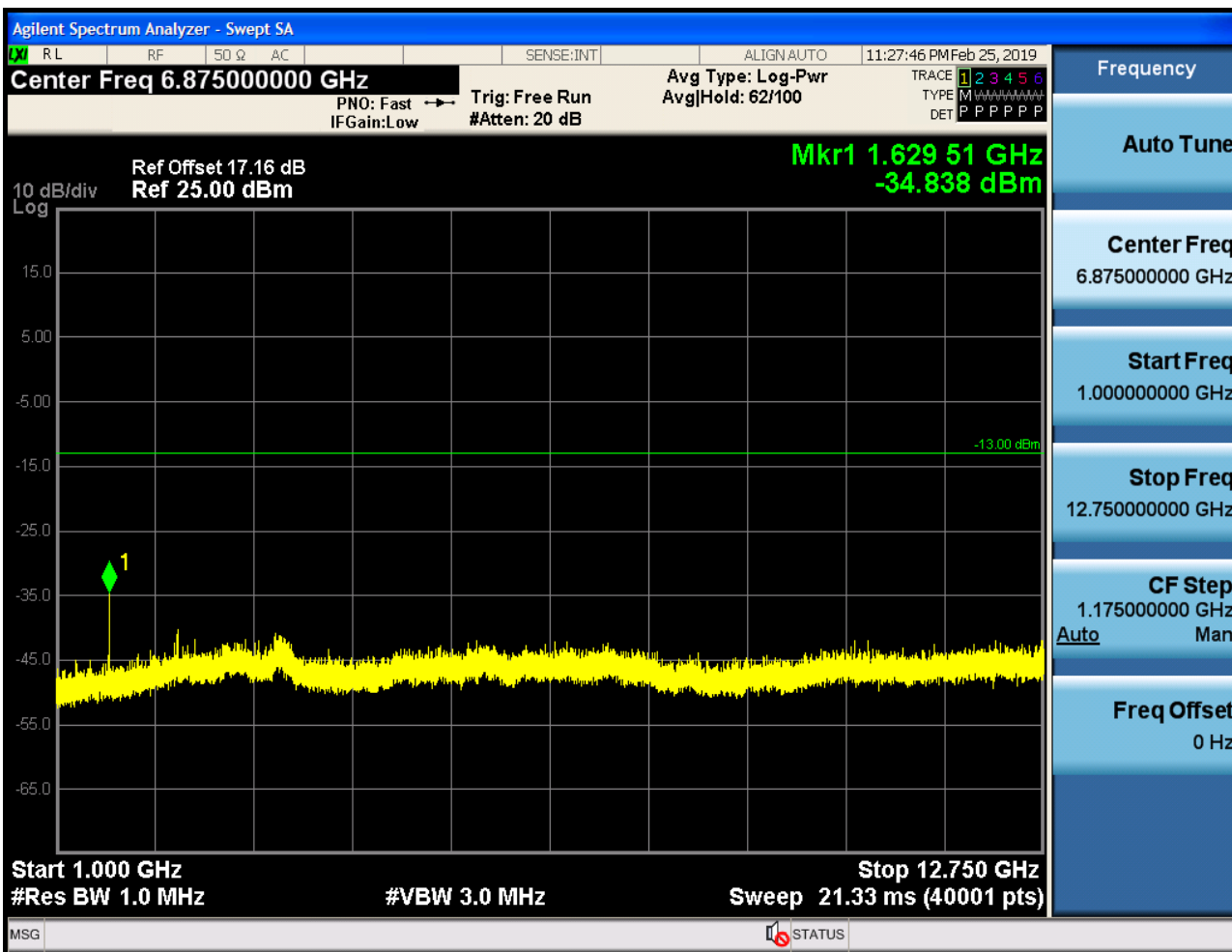
6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0





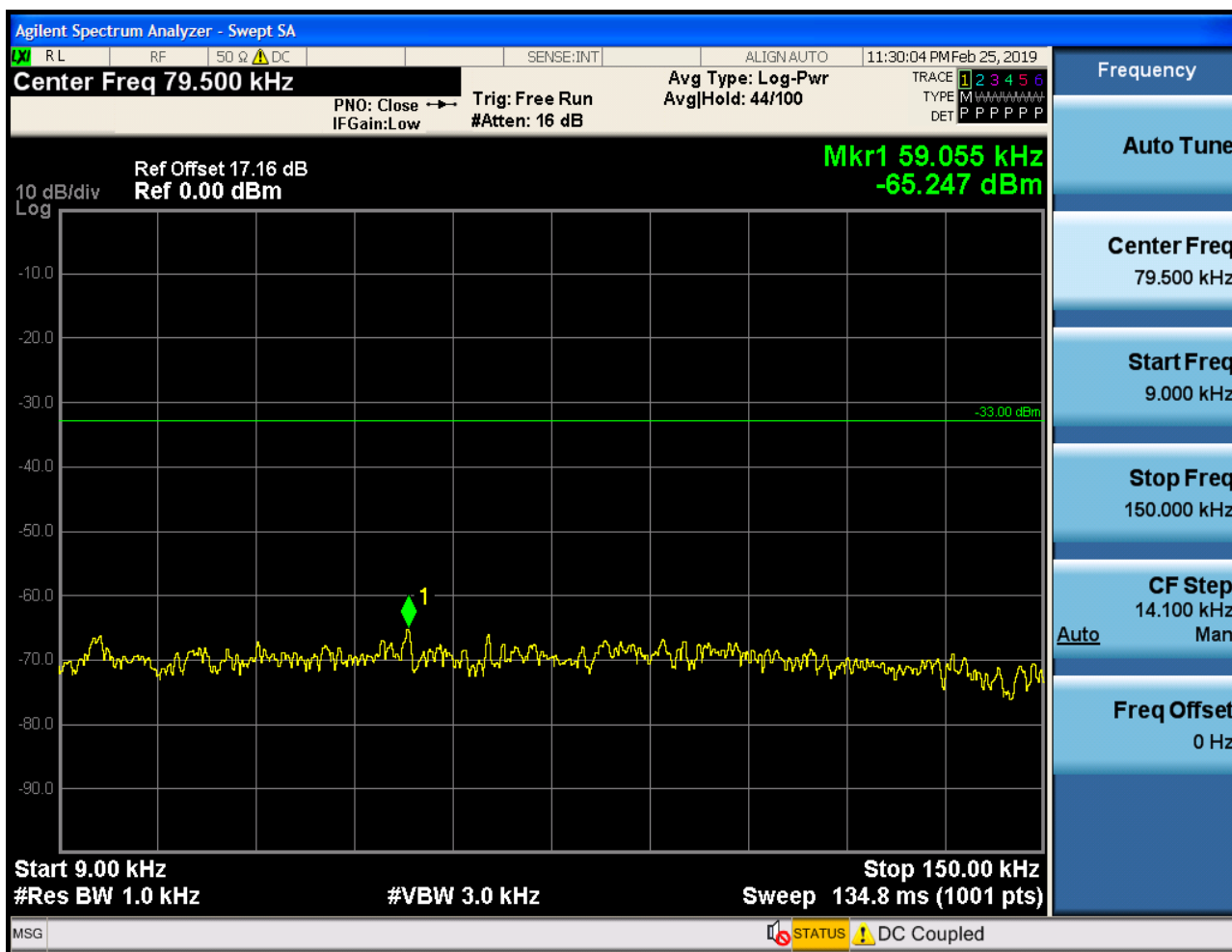


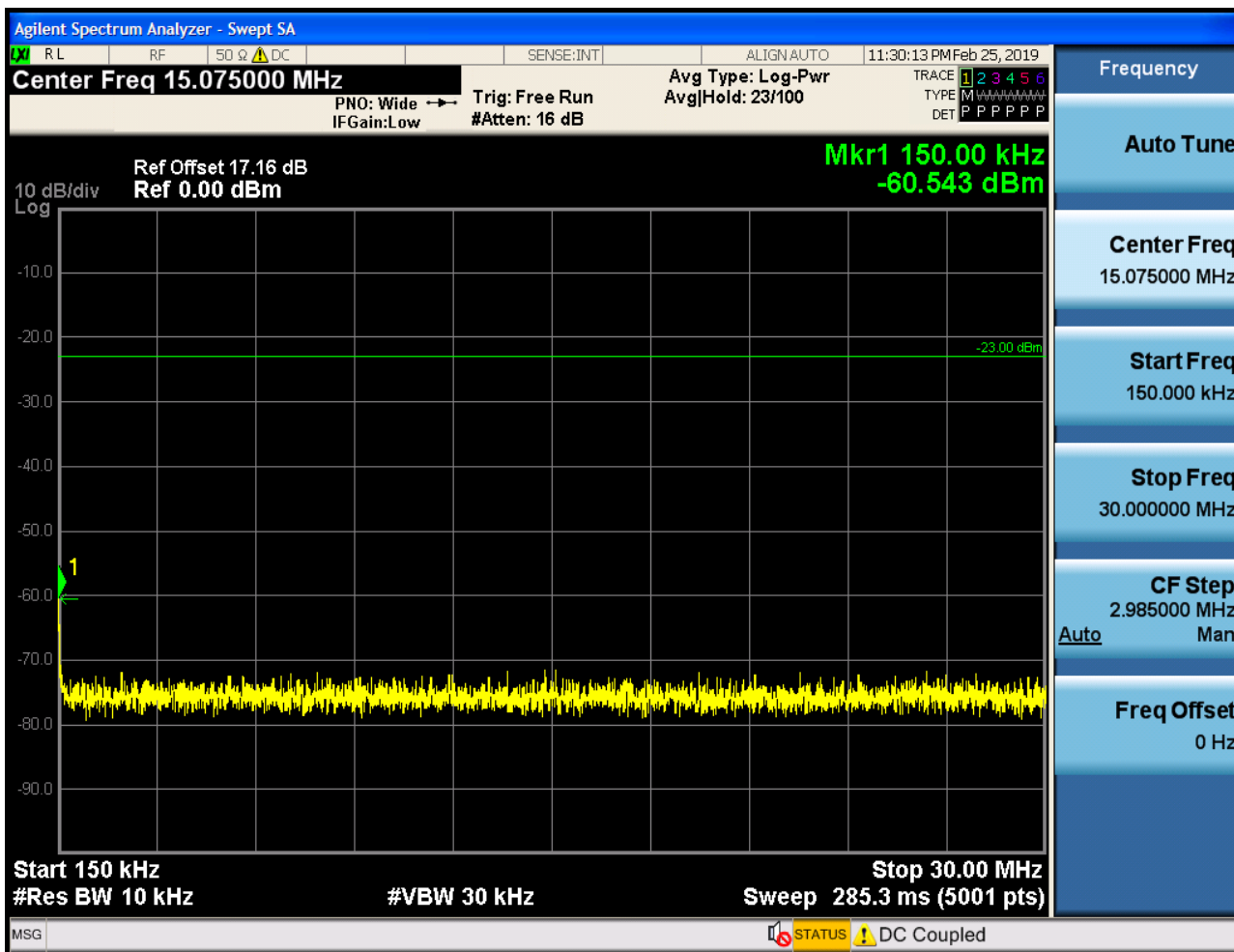


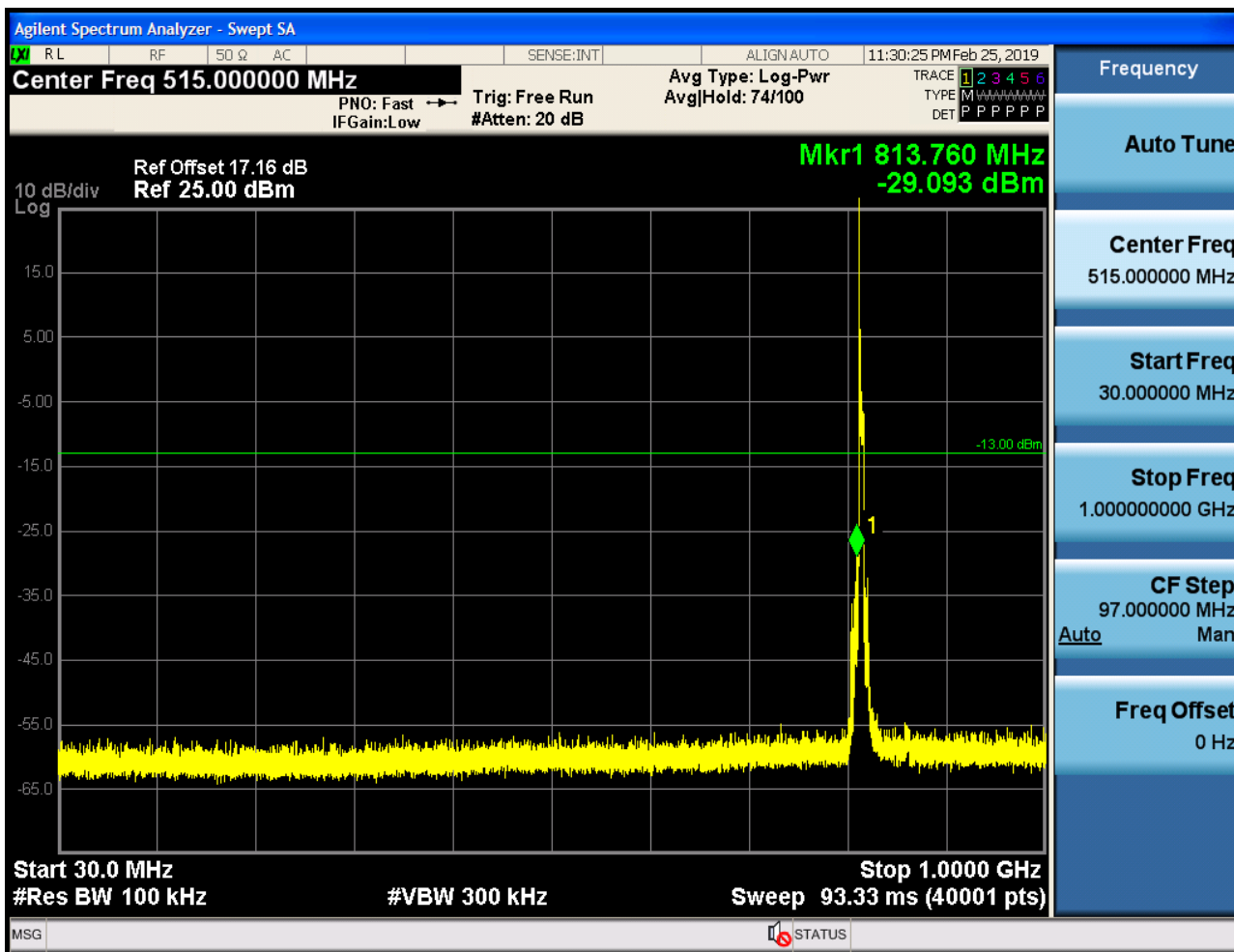


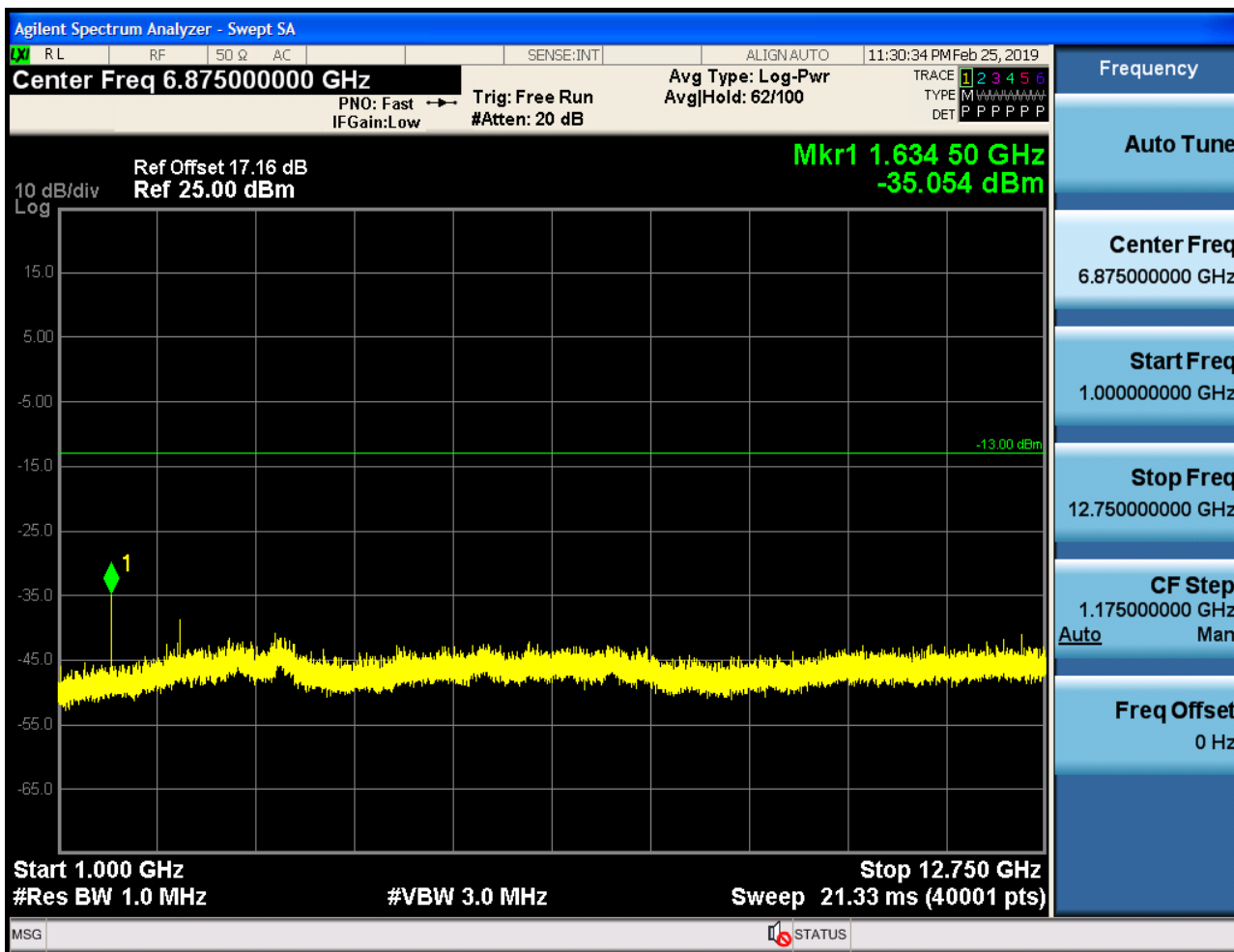
6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0





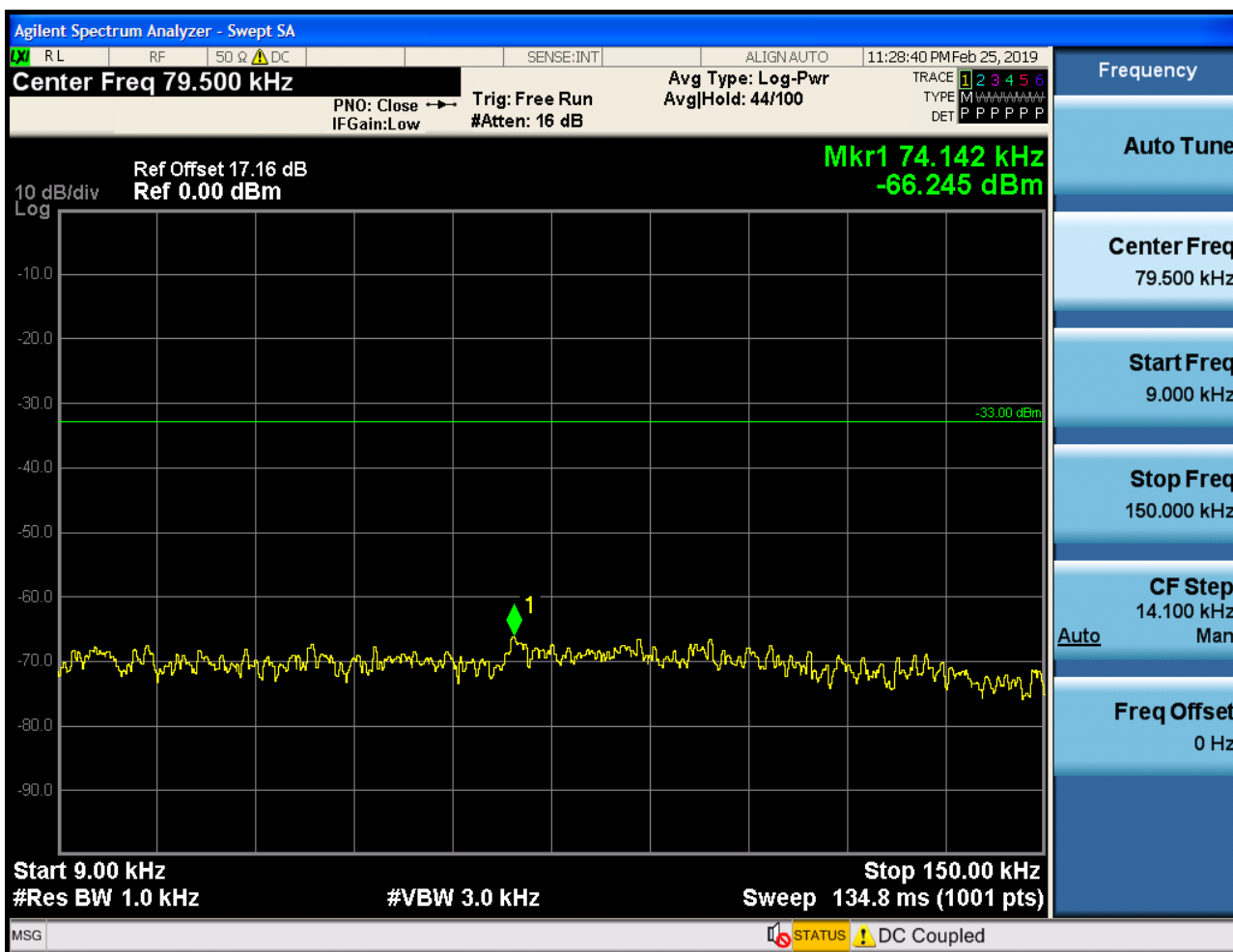


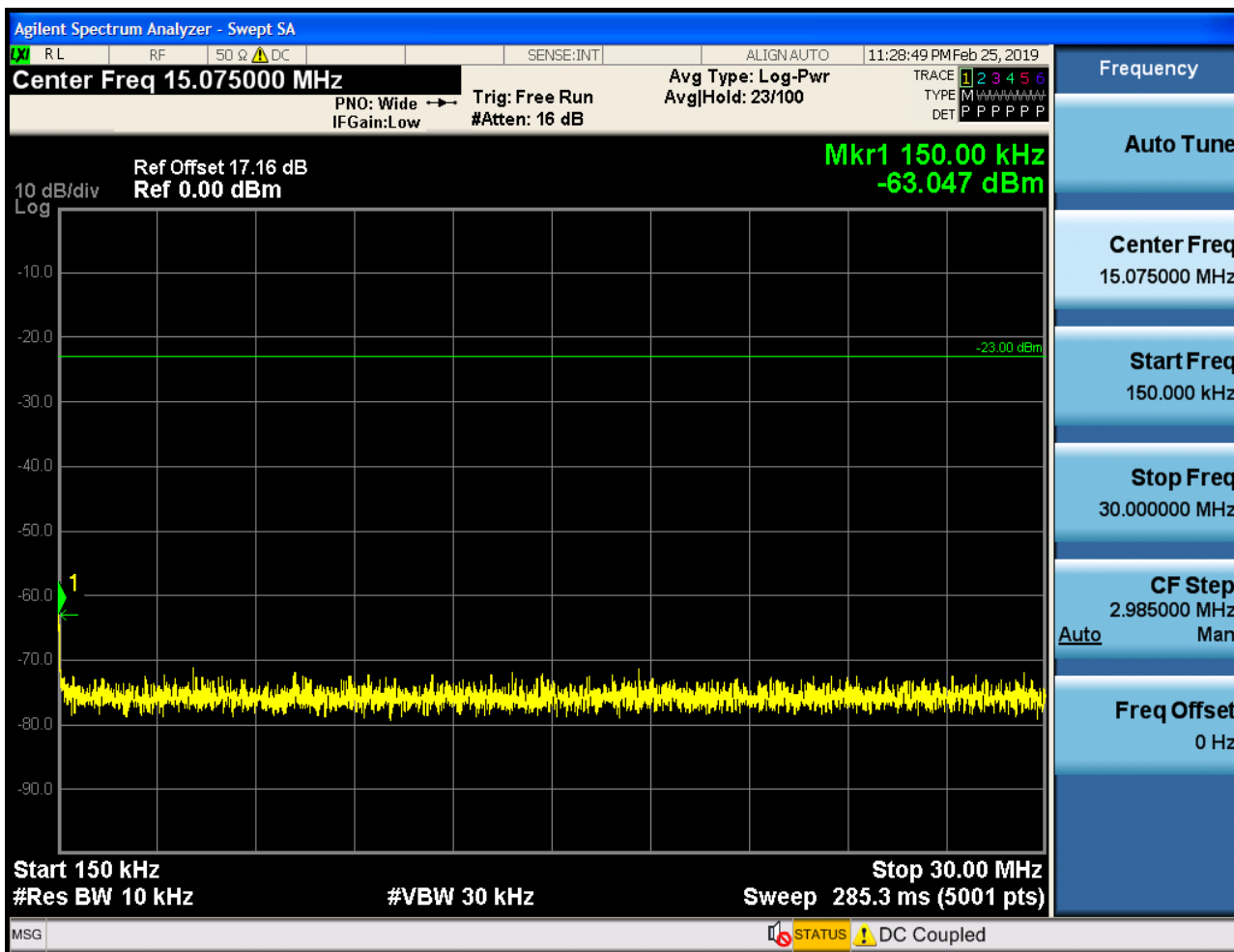


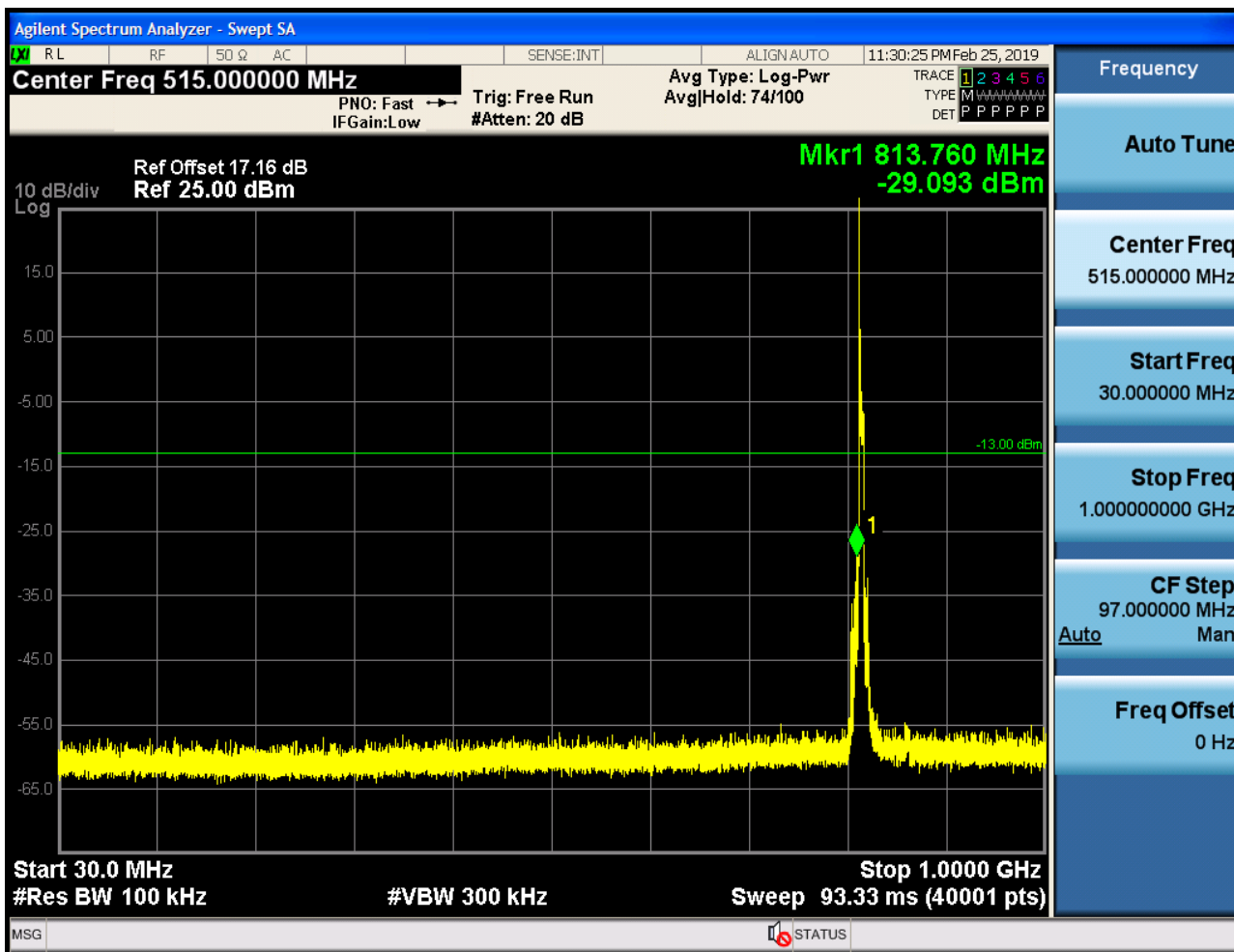


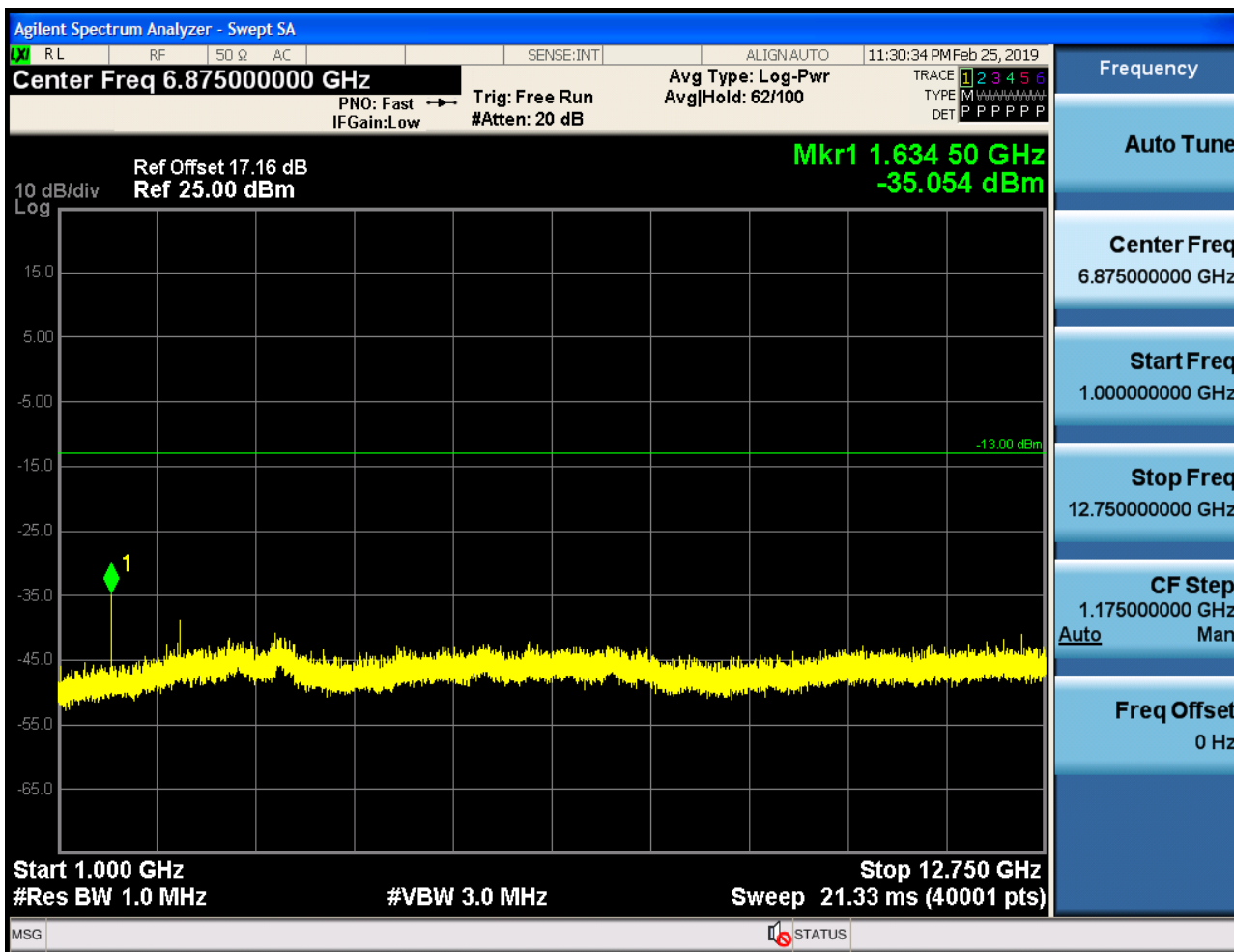
6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0





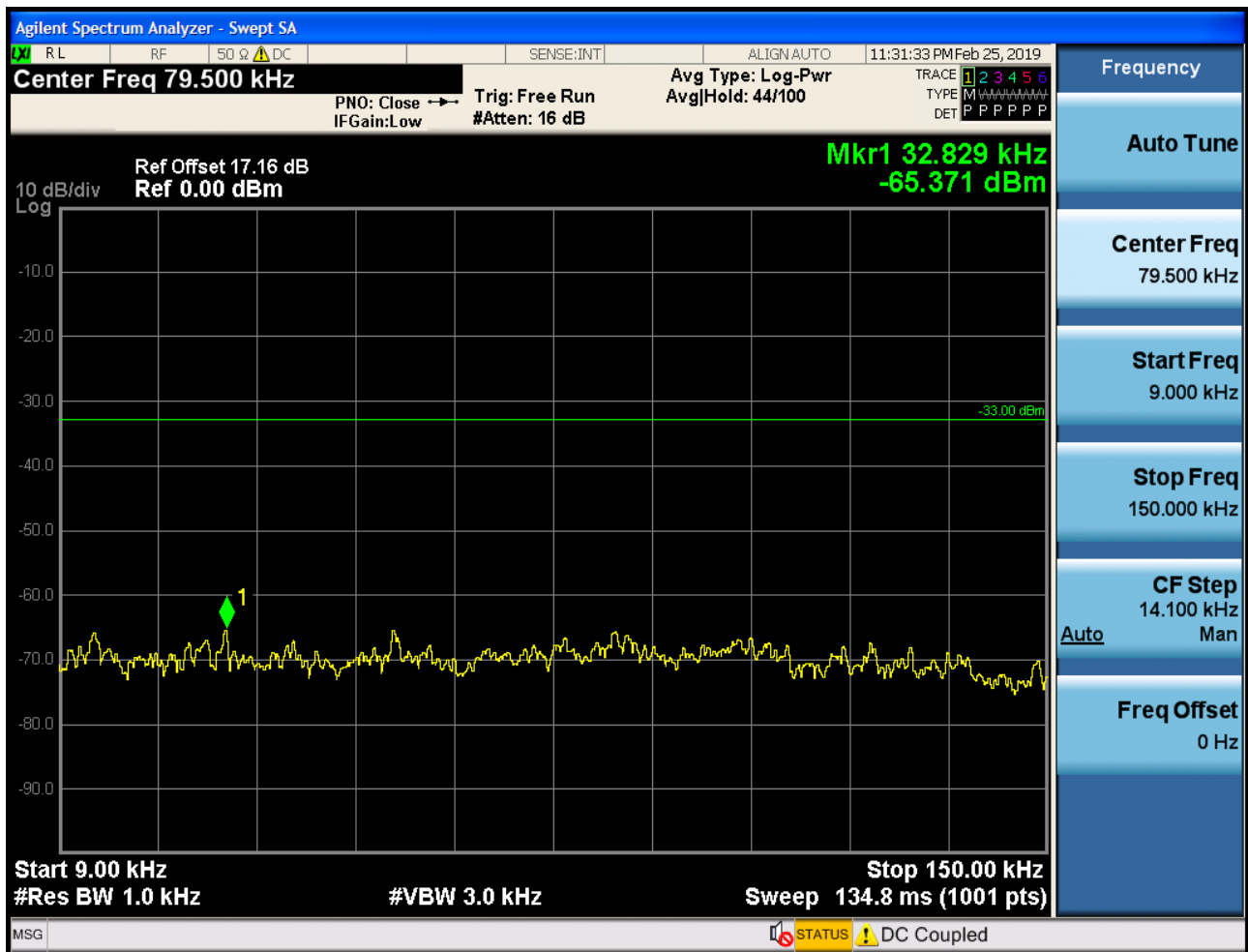


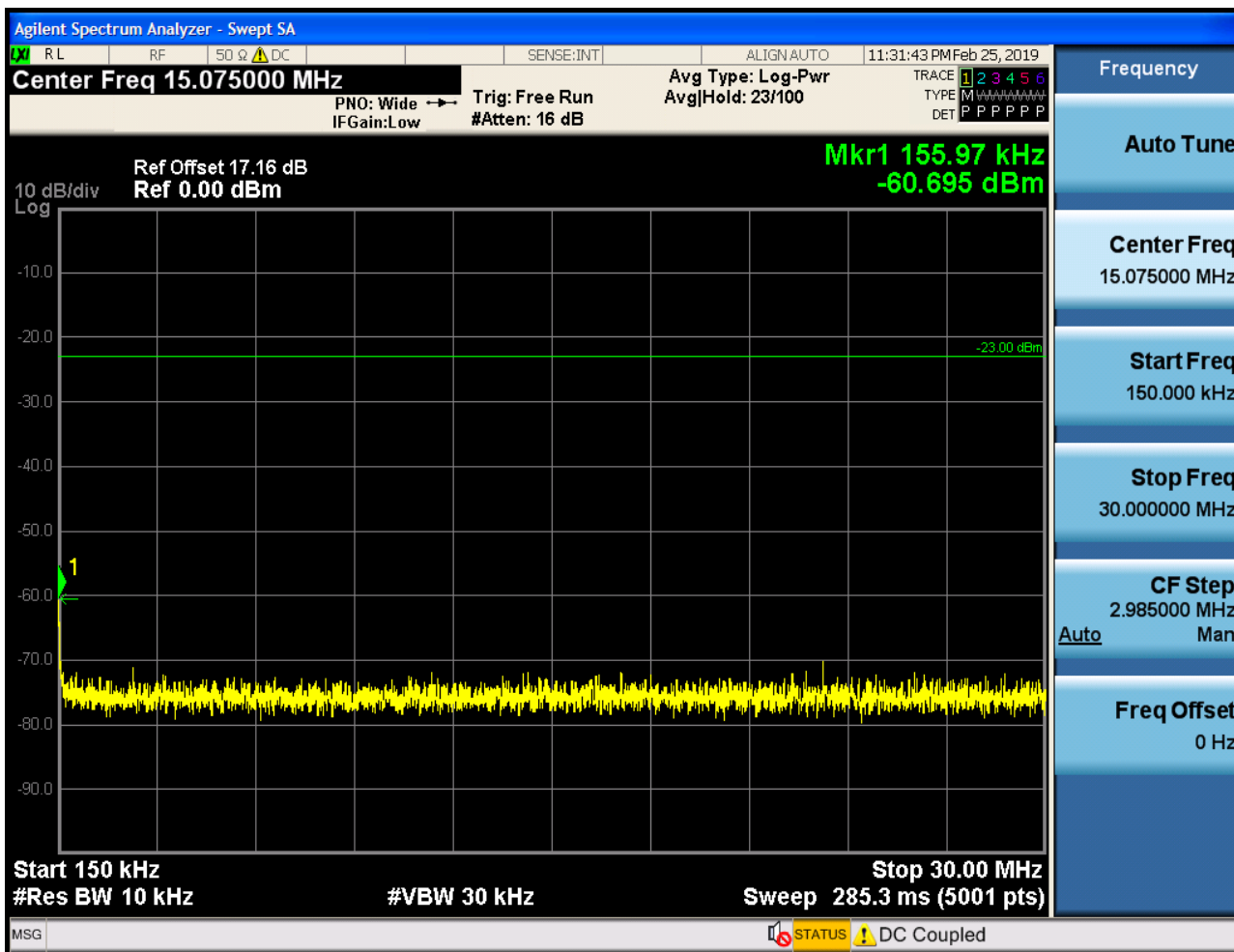


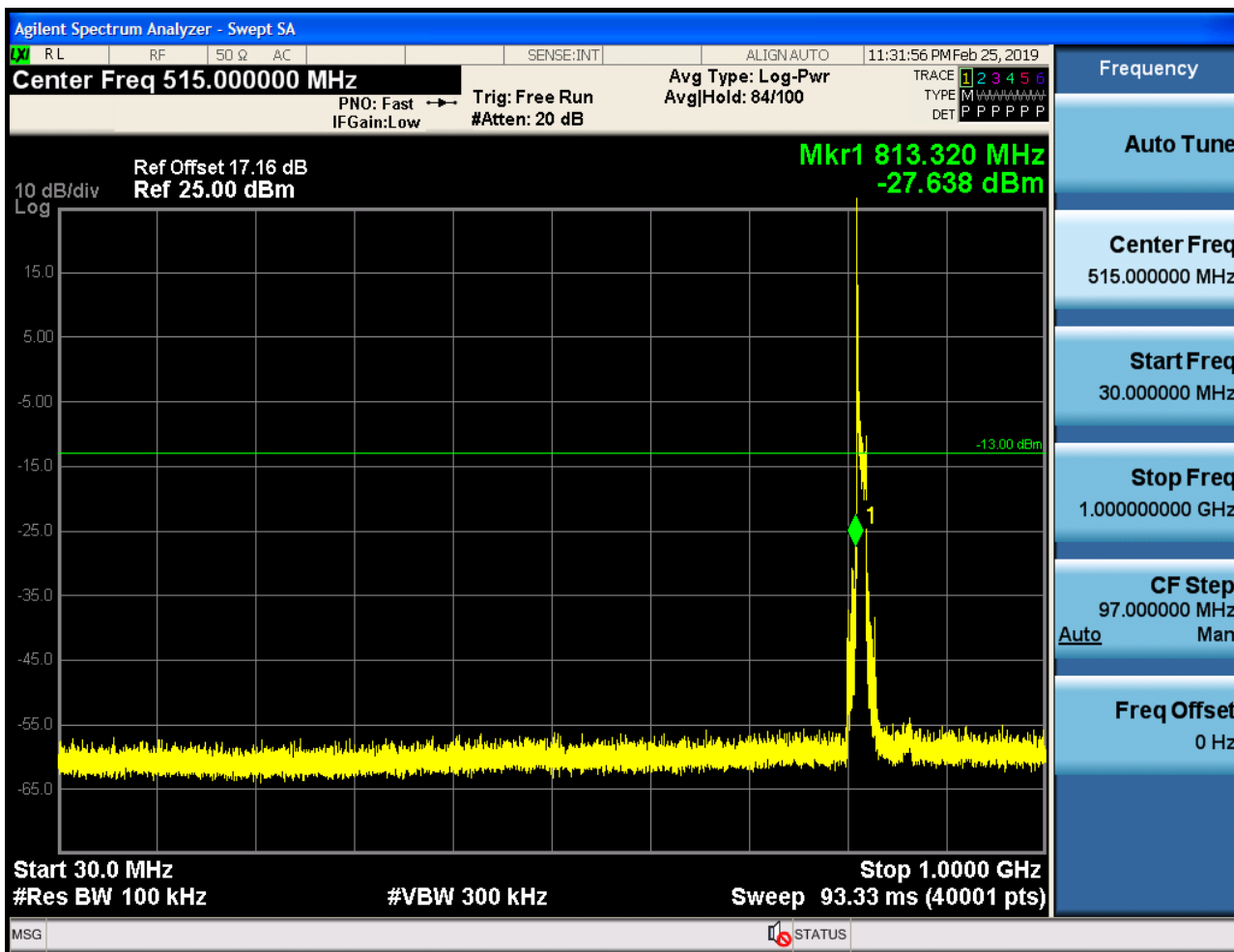
6.2.1.2.4 Test Bandwidth = 10

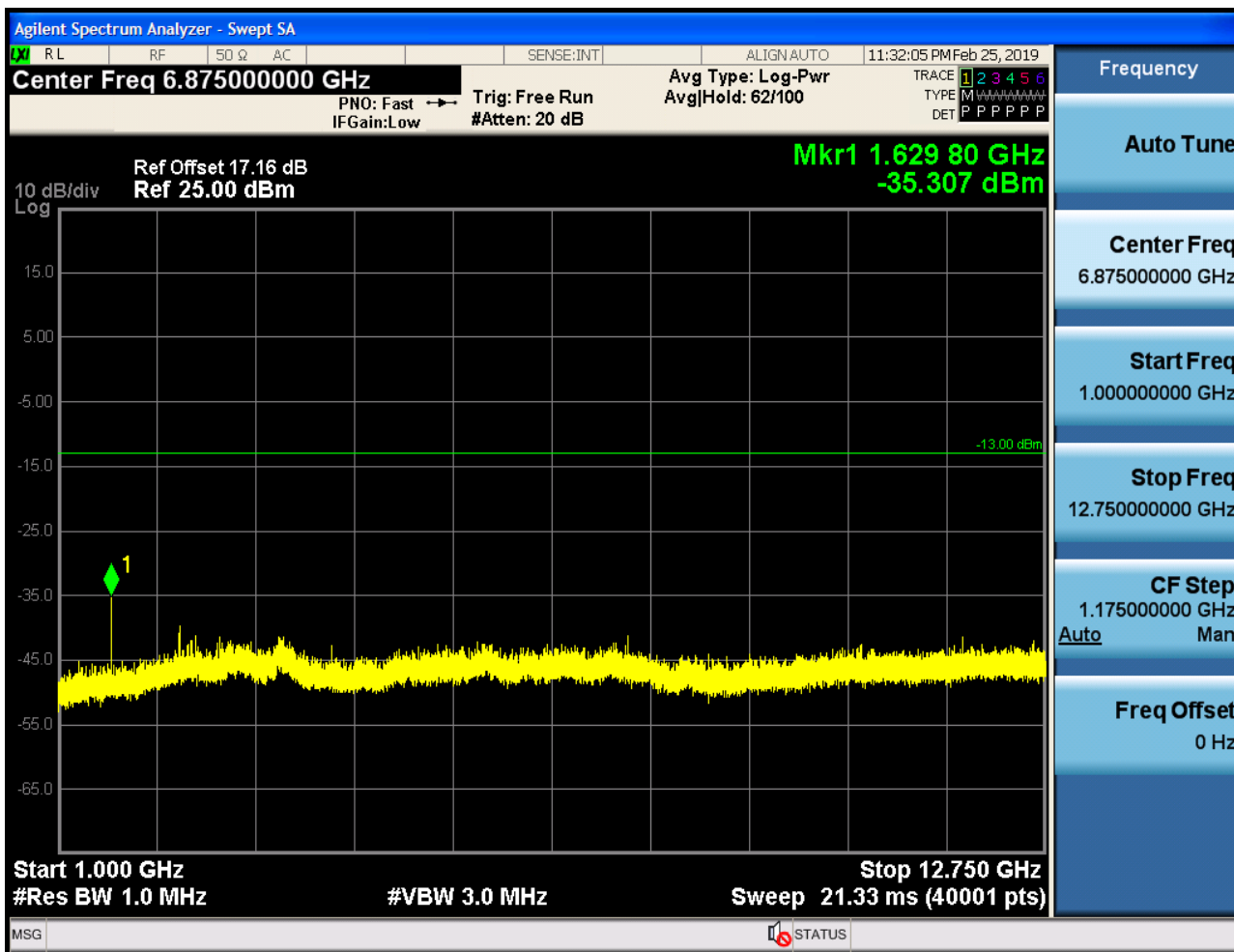
6.2.1.2.4.1 Test Channel = MCH

6.2.1.2.4.1.1 Test RB = RB1#0









7Appendix_G: Field Strength of Spurious Radiation

Note: 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

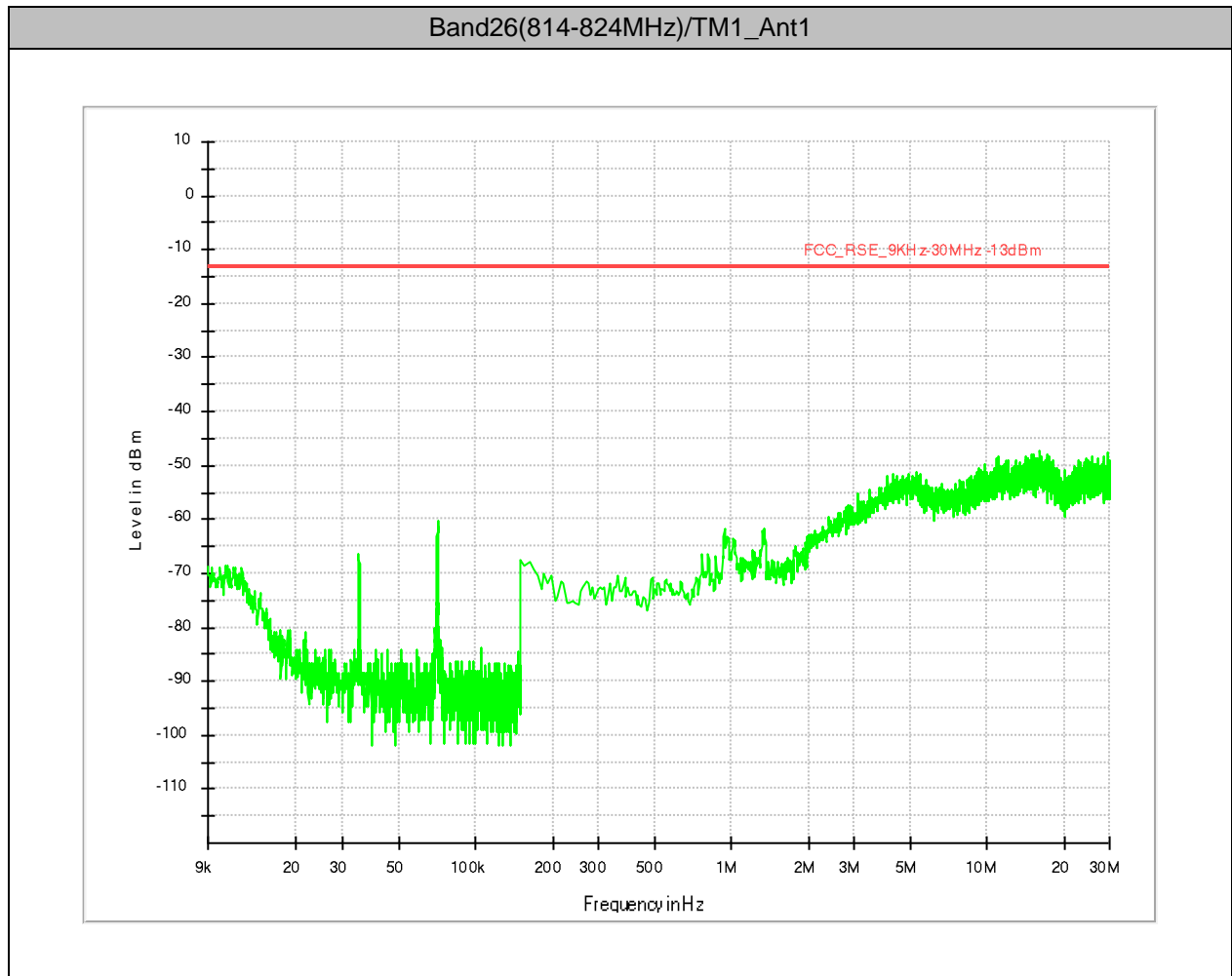
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

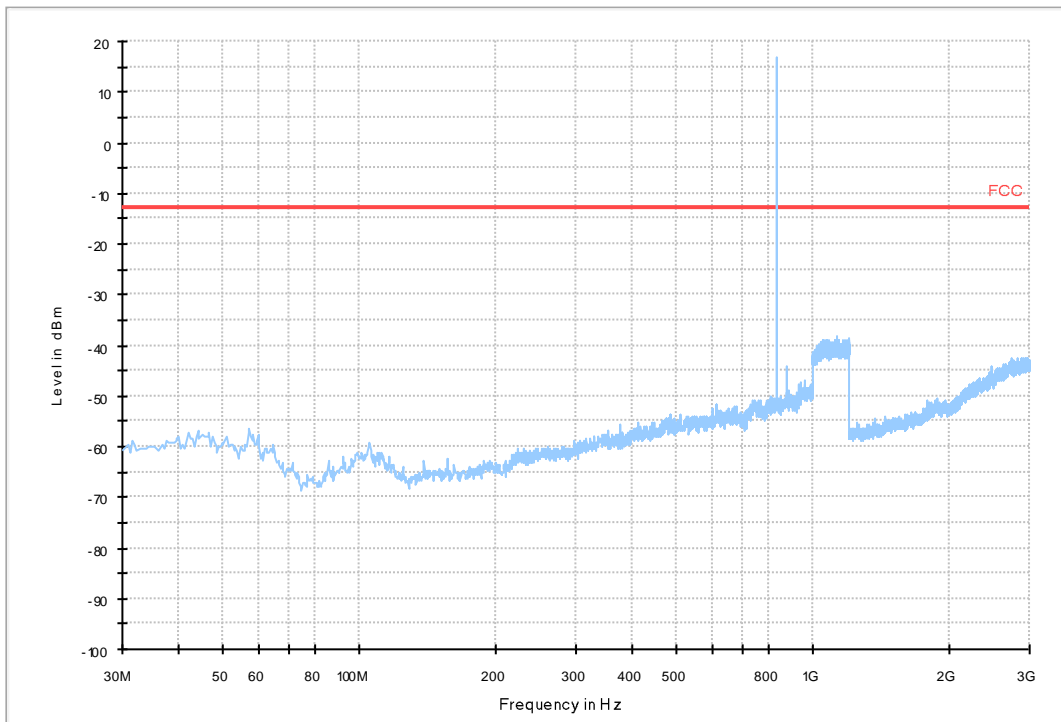
7.1 For LTE

7.1.1 Test Band = Band26 (814-824MHz)

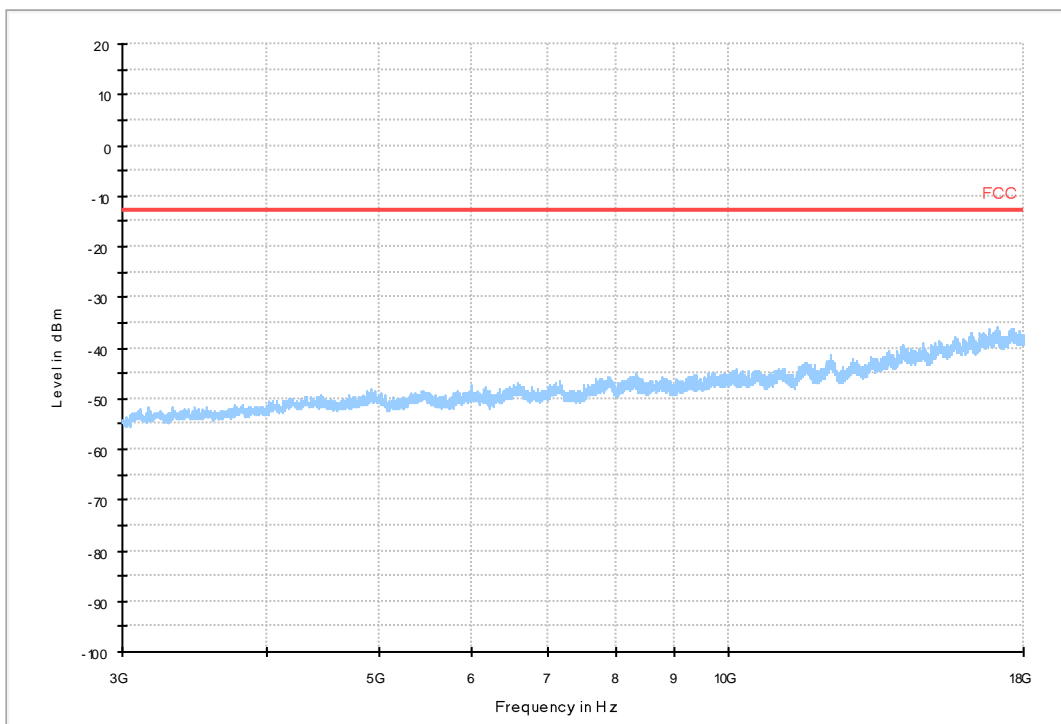
7.1.1.1 Test Bandwidth = 1.4



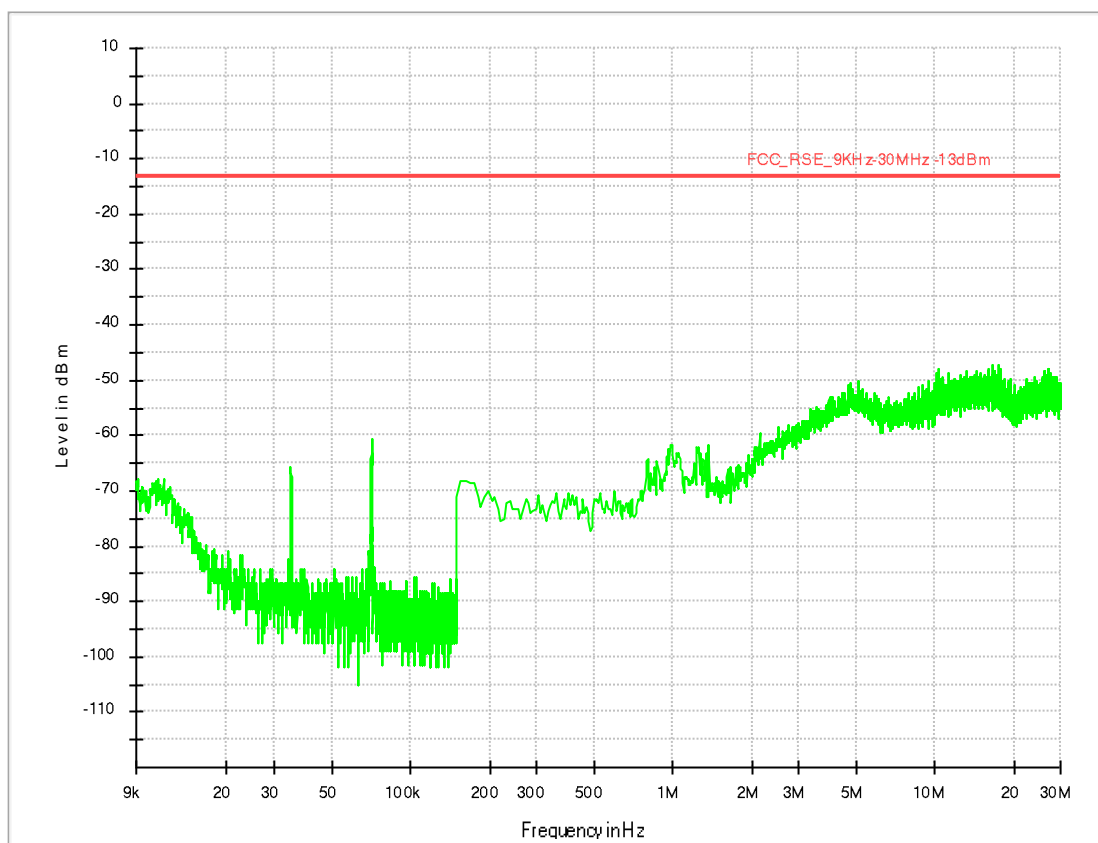
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



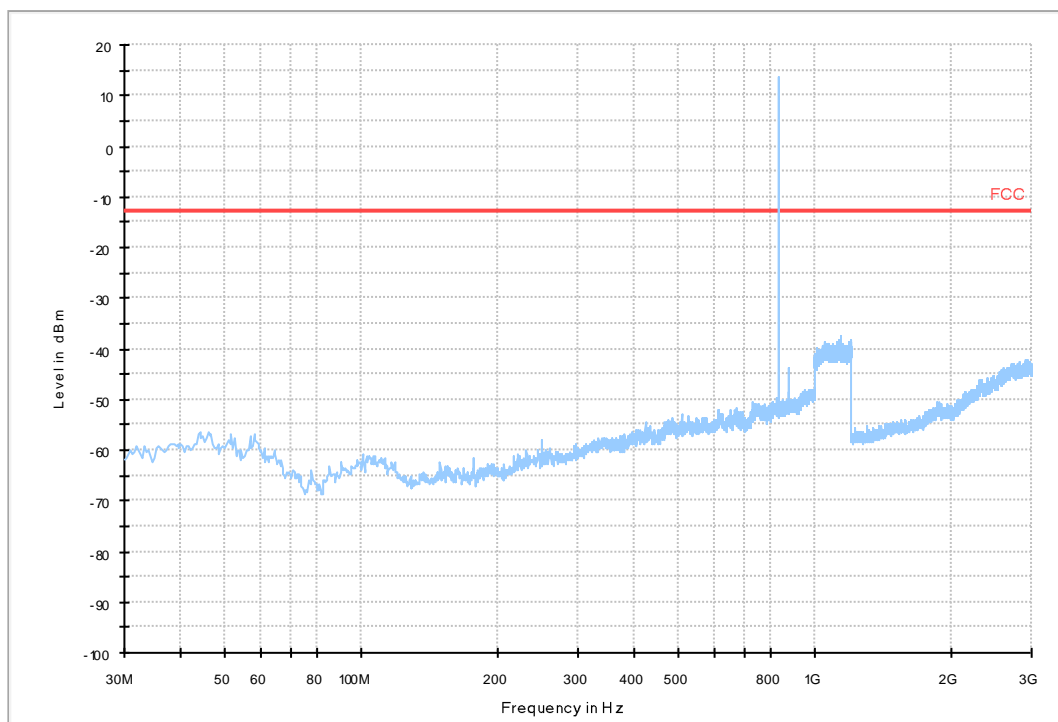
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

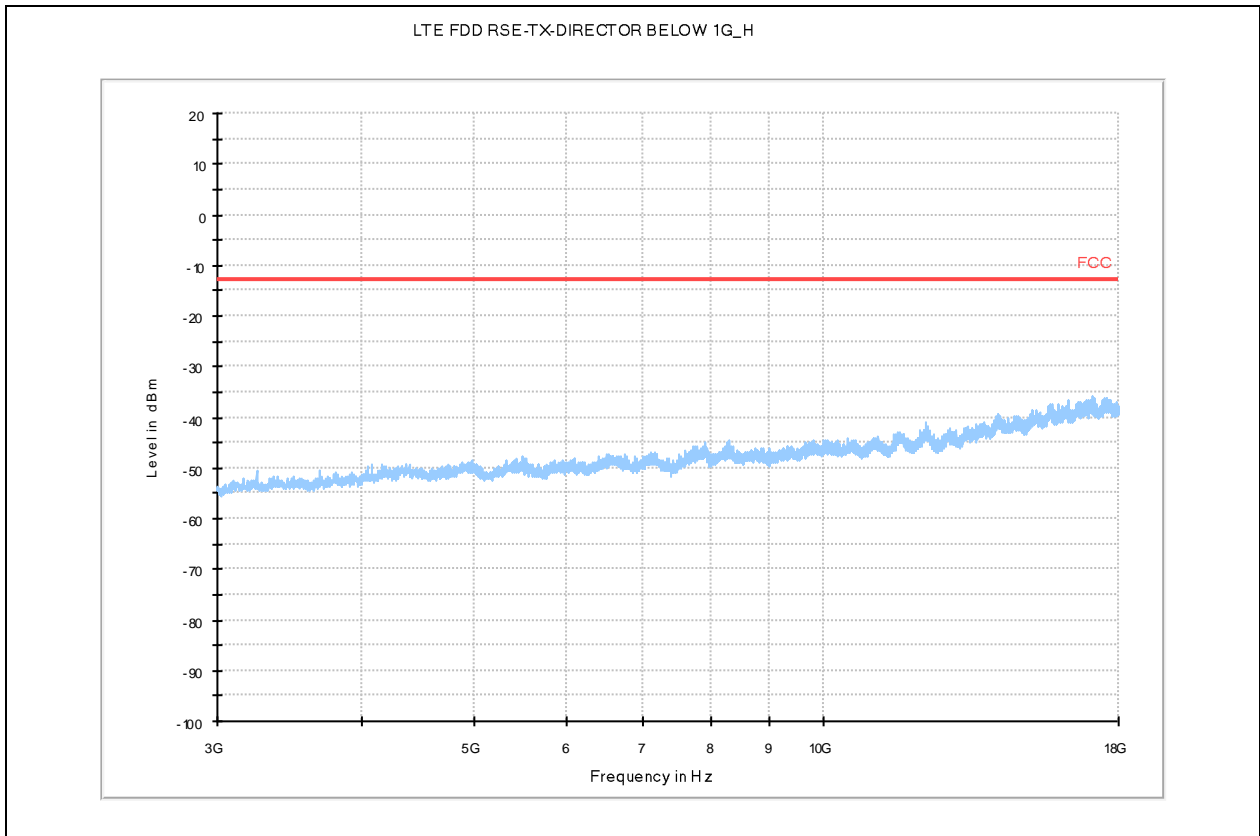


Band26(814-824MHz) /TM1_Ant2

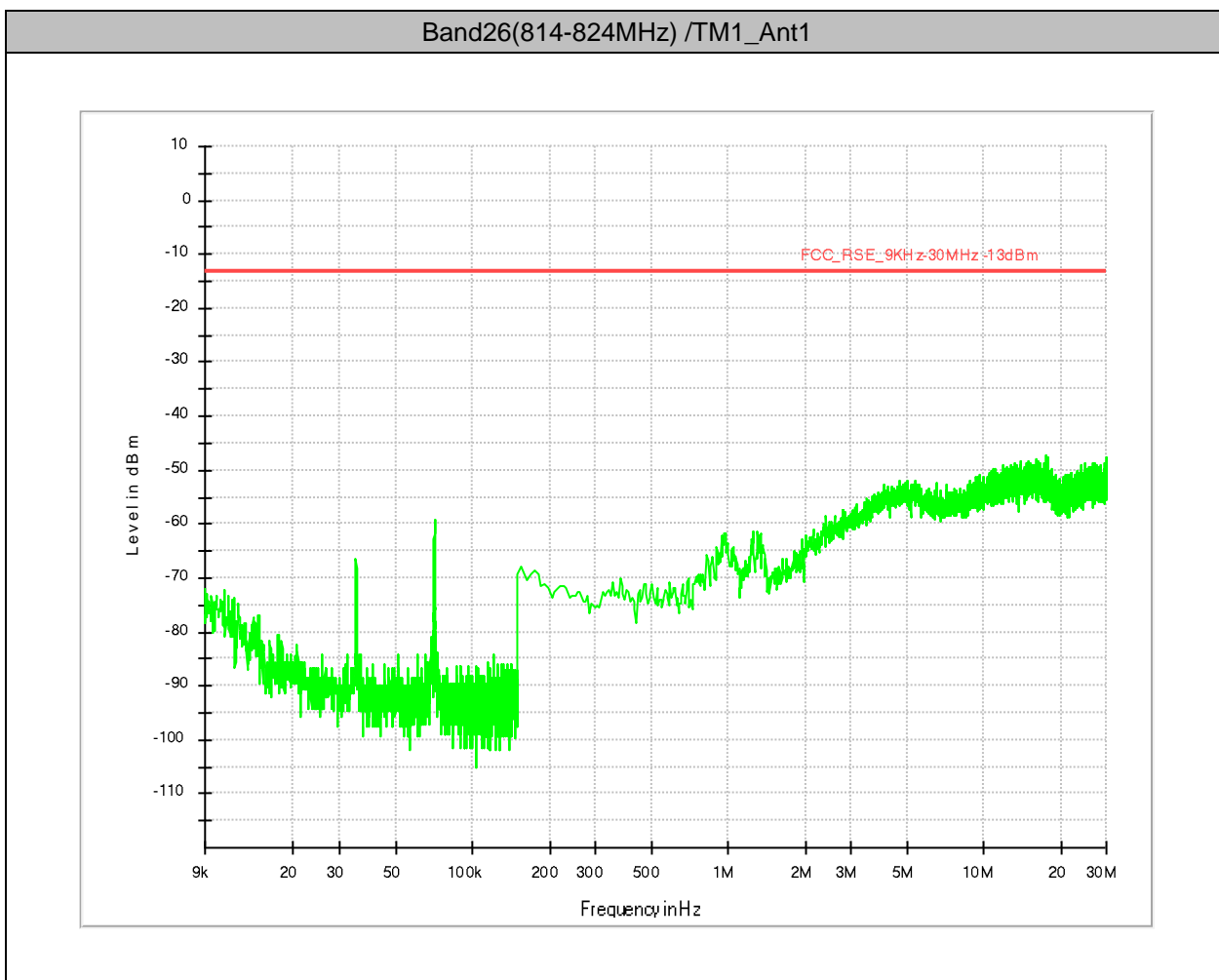


LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

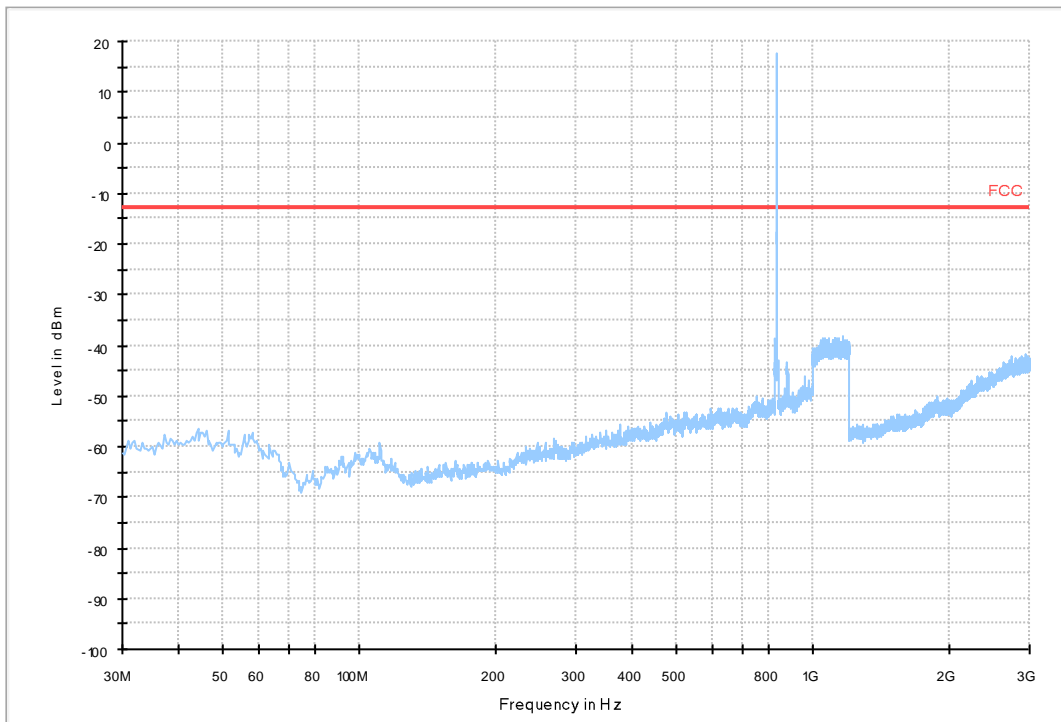




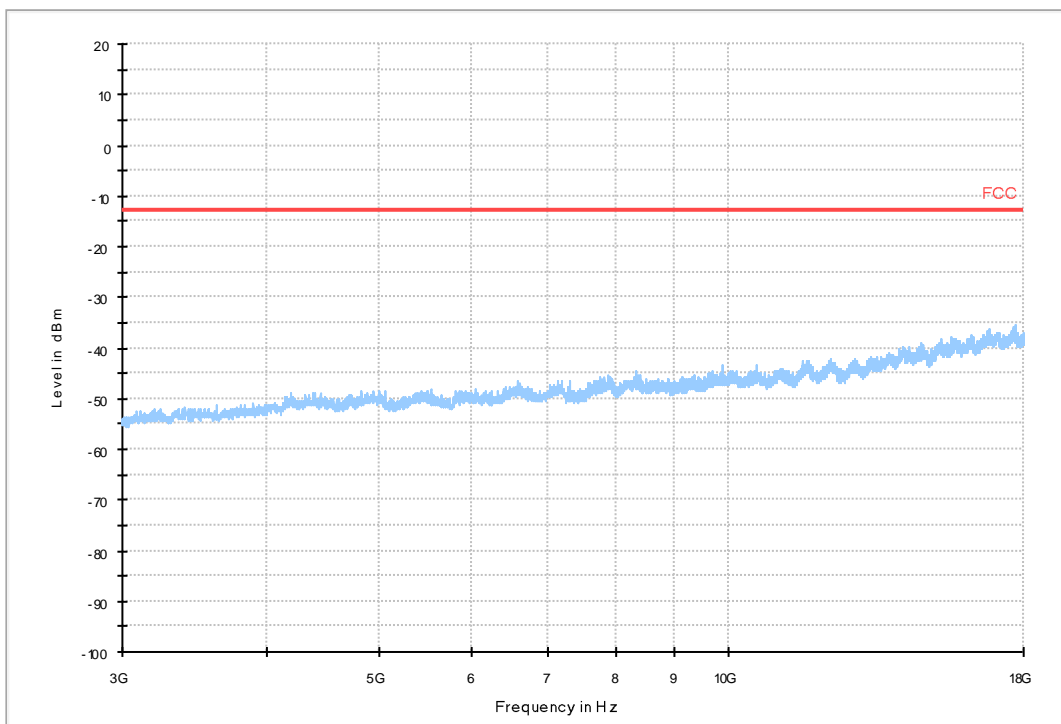
7.1.1.2 Test Bandwidth = 10



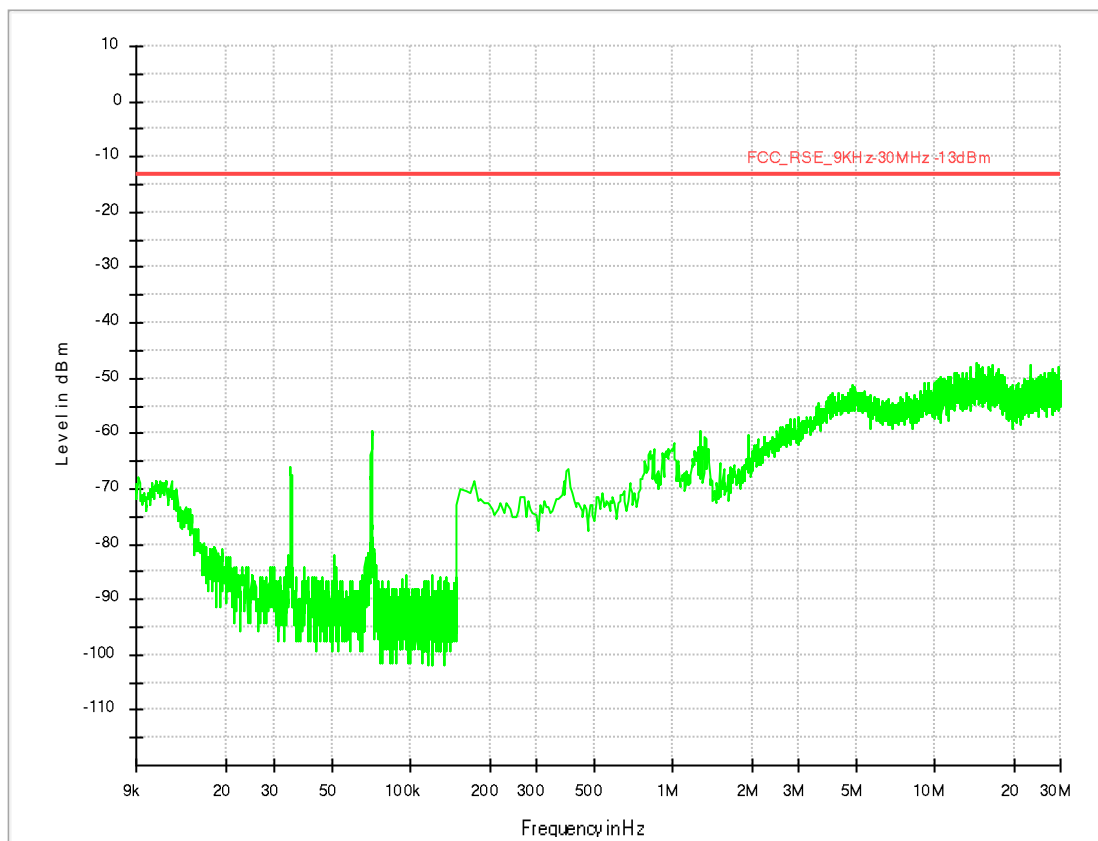
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



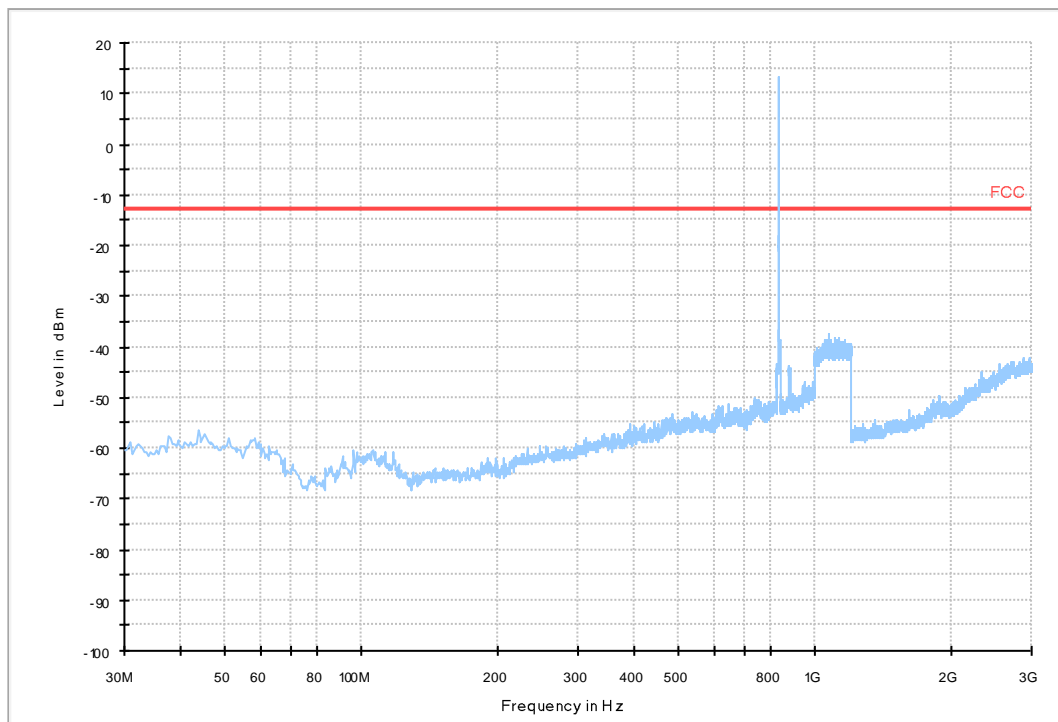
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

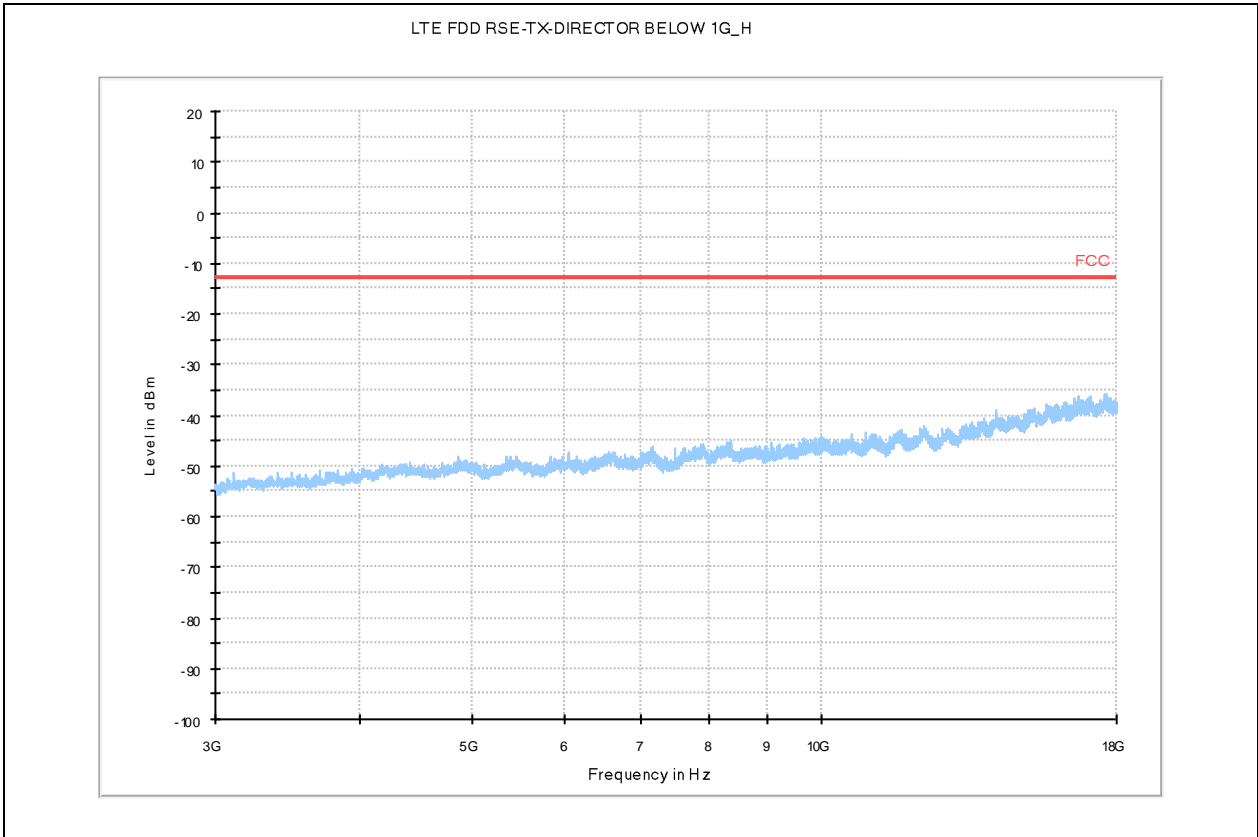


Band26(814-824MHz) /TM1_Ant2



LTE FDD RSE-TX-DIRECTOR BELOW 1G_L





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	10.81467	0.01327	PASS
					VN	3.96252	0.00486	PASS
					VH	-6.12259	-0.00752	PASS
			MCH	TN	VL	-10.05650	-0.01228	PASS
					VN	1.73092	0.00211	PASS
					VH	2.68936	0.00328	PASS
			HCH	TN	VL	-3.07560	-0.00374	PASS
					VN	0.91553	0.00111	PASS
					VH	-6.06537	-0.00737	PASS
		3	LCH	TN	VL	-3.21865	-0.00395	PASS
					VN	-6.45161	-0.00791	PASS
					VH	-0.50068	-0.00061	PASS
			MCH	TN	VL	5.56469	0.00679	PASS
					VN	0.71526	0.00087	PASS
					VH	5.29289	0.00646	PASS
			HCH	TN	VL	-1.55926	-0.00190	PASS
					VN	4.14848	0.00504	PASS
					VH	-1.68800	-0.00205	PASS
		5	LCH	TN	VL	-4.19140	-0.00513	PASS
					VN	-1.04427	-0.00128	PASS
					VH	0.02861	0.00004	PASS
			MCH	TN	VL	5.92232	0.00723	PASS
					VN	-1.50204	-0.00183	PASS
					VH	-2.50339	-0.00306	PASS
			HCH	TN	VL	-6.59466	-0.00803	PASS
					VN	-0.82970	-0.00101	PASS
					VH	1.60217	0.00195	PASS
		10	MCH	TN	VL	-0.35763	-0.00044	PASS
					VN	-1.14441	-0.00140	PASS
					VH	3.81947	0.00466	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	LCH	TN	VL	0.65804	0.00081	PASS
					VN	4.14848	0.00509	PASS
					VH	2.07424	0.00255	PASS
			MCH	TN	VL	-8.06808	-0.00985	PASS
					VN	-4.62055	-0.00564	PASS
					VH	-12.84599	-0.01568	PASS
			HCH	TN	VL	3.96252	0.00481	PASS
					VN	-1.74522	-0.00212	PASS
					VH	2.97546	0.00361	PASS
		3	LCH	TN	VL	2.26021	0.00277	PASS
					VN	-3.03268	-0.00372	PASS
					VH	-3.67641	-0.00451	PASS
			MCH	TN	VL	-7.83920	-0.00957	PASS
					VN	-1.38760	-0.00169	PASS
					VH	3.40462	0.00416	PASS
			HCH	TN	VL	-10.54287	-0.01282	PASS
					VN	1.10149	0.00134	PASS
					VH	-0.27180	-0.00033	PASS
		5	LCH	TN	VL	-0.64373	-0.00079	PASS
					VN	-4.26292	-0.00522	PASS
					VH	0.80109	0.00098	PASS
			MCH	TN	VL	7.20978	0.00880	PASS
					VN	2.51770	0.00307	PASS
					VH	0.35763	0.00044	PASS
			HCH	TN	VL	-7.28130	-0.00886	PASS
					VN	2.64645	0.00322	PASS
					VH	-2.17438	-0.00265	PASS
		10	MCH	TN	VL	1.64509	0.00201	PASS
					VN	-1.48773	-0.00182	PASS
					VH	2.14577	0.00262	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
Band26 (814-824MH)	LTE/TM1	1.4	LCH	VN	-30	4.94957	0.00608	PASS
					-20	0.92983	0.00114	PASS
					-10	2.28882	0.00281	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
z)					0	3.00407	0.00369	PASS	
					10	4.33445	0.00532	PASS	
					20	3.96252	0.00486	PASS	
					30	-9.77039	-0.01199	PASS	
					40	-15.26356	-0.01874	PASS	
					50	5.65052	0.00694	PASS	
			MCH	VN	-30	-5.04971	-0.00617	PASS	
					-20	-6.00815	-0.00734	PASS	
					-10	7.23839	0.00884	PASS	
					0	4.66347	0.00569	PASS	
					10	-7.12395	-0.00870	PASS	
					20	1.73092	0.00211	PASS	
			HCH	VN	30	3.34740	0.00409	PASS	
					40	-5.30720	-0.00648	PASS	
					50	1.90258	0.00232	PASS	
					-30	14.01901	0.01703	PASS	
					-20	1.47343	0.00179	PASS	
					-10	-6.58035	-0.00799	PASS	
		3	LCH	VN	0	-0.81539	-0.00099	PASS	
					10	2.03133	0.00247	PASS	
					20	0.91553	0.00111	PASS	
					30	-8.64029	-0.01049	PASS	
					40	6.48022	0.00787	PASS	
					50	-1.54495	-0.00188	PASS	
			MCH	VN	-30	-1.85966	-0.00228	PASS	
					-20	-4.89235	-0.00600	PASS	
					-10	1.33038	0.00163	PASS	
					0	-2.90394	-0.00356	PASS	
					10	11.30104	0.01386	PASS	
					20	-6.45161	-0.00791	PASS	
						30	-2.56062	-0.00314	PASS
						40	-2.63214	-0.00323	PASS
						50	3.17573	0.00389	PASS
						-30	3.27587	0.00400	PASS
						-20	-5.24998	-0.00641	PASS
						-10	1.50204	0.00183	PASS
					0	-1.34468	-0.00164	PASS	
					10	-1.41621	-0.00173	PASS	
					20	0.71526	0.00087	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					30	-5.00679	-0.00611	PASS	
					40	-8.72612	-0.01065	PASS	
					50	6.50883	0.00795	PASS	
			HCH	VN	-30	-1.11580	-0.00136	PASS	
					-20	-3.40462	-0.00414	PASS	
					-10	-2.96116	-0.00360	PASS	
					0	6.30856	0.00767	PASS	
					10	2.51770	0.00306	PASS	
					20	4.14848	0.00504	PASS	
					30	-0.81539	-0.00099	PASS	
					40	4.96387	0.00604	PASS	
					50	1.05858	0.00129	PASS	
			5	LCH	VN	-30	1.40190	0.00172	PASS
						-20	-2.38895	-0.00293	PASS
						-10	-2.00272	-0.00245	PASS
		0				-3.08990	-0.00378	PASS	
		10				-4.52042	-0.00554	PASS	
		20				-1.04427	-0.00128	PASS	
		30				-0.34332	-0.00042	PASS	
		40				-2.11716	-0.00259	PASS	
		50				-3.34740	-0.00410	PASS	
		MCH		VN	-30	0.24319	0.00030	PASS	
					-20	2.10285	0.00257	PASS	
					-10	7.19547	0.00879	PASS	
					0	-0.48637	-0.00059	PASS	
					10	1.11580	0.00136	PASS	
					20	-1.50204	-0.00183	PASS	
		HCH	VN	30	-2.16007	-0.00264	PASS		
				40	1.24455	0.00152	PASS		
				50	3.34740	0.00409	PASS		
-30	0.68665			0.00084	PASS				
-20	3.94821			0.00481	PASS				
-10	0.95844			0.00117	PASS				
0	6.35147			0.00773	PASS				
10	4.57764			0.00557	PASS				
20	-0.82970			-0.00101	PASS				
30	0.75817	0.00092	PASS						
40	1.63078	0.00199	PASS						
50	-4.23431	-0.00515	PASS						

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
		10	MCH	VN	-30	0.37193	0.00045	PASS				
					-20	1.21593	0.00148	PASS				
					-10	0.95844	0.00117	PASS				
					0	1.54495	0.00189	PASS				
					10	4.32015	0.00527	PASS				
					20	-1.14441	-0.00140	PASS				
					30	4.67777	0.00571	PASS				
					40	-0.21458	-0.00026	PASS				
					50	1.14441	0.00140	PASS				
				1.4	LCH	VN	-30	7.48158	0.00918	PASS		
							-20	-0.01431	-0.00002	PASS		
							-10	7.98225	0.00980	PASS		
							0	3.19004	0.00392	PASS		
							10	-3.50475	-0.00430	PASS		
							20	4.14848	0.00509	PASS		
							30	2.71797	0.00334	PASS		
							40	2.10285	0.00258	PASS		
							50	6.19412	0.00760	PASS		
							MCH	VN	-30	-2.27451	-0.00278	PASS
									-20	7.42436	0.00907	PASS
									-10	-0.12875	-0.00016	PASS
									0	0.95844	0.00117	PASS
									10	-4.94957	-0.00604	PASS
									20	-4.62055	-0.00564	PASS
									30	-21.18587	-0.02587	PASS
									40	-3.86238	-0.00472	PASS
									50	-18.81123	-0.02297	PASS
				HCH	VN	-30	-12.50267	-0.01519	PASS			
						-20	-0.27180	-0.00033	PASS			
						-10	6.79493	0.00825	PASS			
						0	-4.39167	-0.00533	PASS			
						10	-1.58787	-0.00193	PASS			
						20	-1.74522	-0.00212	PASS			
						30	6.88076	0.00836	PASS			
						40	3.74794	0.00455	PASS			
						50	9.84192	0.01195	PASS			
			3	LCH	VN	-30	-4.00543	-0.00491	PASS			
						-20	0.21458	0.00026	PASS			
						-10	-2.04563	-0.00251	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					0	5.57899	0.00684	PASS	
					10	0.17166	0.00021	PASS	
					20	-3.03268	-0.00372	PASS	
					30	-3.81947	-0.00468	PASS	
					40	1.65939	0.00203	PASS	
					50	-4.43459	-0.00544	PASS	
			MCH	VN	-30	-0.84400	-0.00103	PASS	
					-20	2.64645	0.00323	PASS	
					-10	-4.46320	-0.00545	PASS	
					0	-4.59194	-0.00561	PASS	
					10	4.62055	0.00564	PASS	
					20	-1.38760	-0.00169	PASS	
					30	0.31471	0.00038	PASS	
					40	-7.86781	-0.00961	PASS	
			HCH	VN	50	-0.11444	-0.00014	PASS	
					-30	1.75953	0.00214	PASS	
					-20	4.13418	0.00503	PASS	
					-10	0.01431	0.00002	PASS	
					0	2.14577	0.00261	PASS	
					10	3.17573	0.00386	PASS	
					20	1.10149	0.00134	PASS	
					30	-5.19276	-0.00631	PASS	
			5	LCH	VN	40	-1.71661	-0.00209	PASS
						50	0.42915	0.00052	PASS
						-30	-3.76225	-0.00461	PASS
						-20	-9.15527	-0.01121	PASS
						-10	-3.86238	-0.00473	PASS
						0	-3.14712	-0.00385	PASS
						10	-2.04563	-0.00251	PASS
						20	-4.26292	-0.00522	PASS
						30	2.78950	0.00342	PASS
						40	1.13010	0.00138	PASS
			MCH	VN	50	-2.27451	-0.00279	PASS	
					-30	-1.51634	-0.00185	PASS	
					-20	-8.59737	-0.01050	PASS	
					-10	-6.82354	-0.00833	PASS	
0	-5.30720	-0.00648			PASS				
10	7.55310	0.00922			PASS				
					20	2.51770	0.00307	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-3.94821	-0.00482	PASS
					40	3.07560	0.00376	PASS
					50	-2.73228	-0.00334	PASS
			HCH	VN	-30	4.96387	0.00604	PASS
					-20	8.42571	0.01026	PASS
					-10	-1.68800	-0.00205	PASS
					0	2.58923	0.00315	PASS
					10	6.27994	0.00764	PASS
					20	2.64645	0.00322	PASS
					30	3.34740	0.00407	PASS
		10	MCH	VN	40	-1.81675	-0.00221	PASS
					50	-1.34468	-0.00164	PASS
					-30	0.17166	0.00021	PASS
					-20	-1.54495	-0.00189	PASS
					-10	-0.02861	-0.00003	PASS
					0	-3.41892	-0.00417	PASS
					10	2.00272	0.00245	PASS
					20	-1.48773	-0.00182	PASS
		30	1.53065	0.00187	PASS			
		40	2.77519	0.00339	PASS			
50	-1.58787	-0.00194	PASS					

END