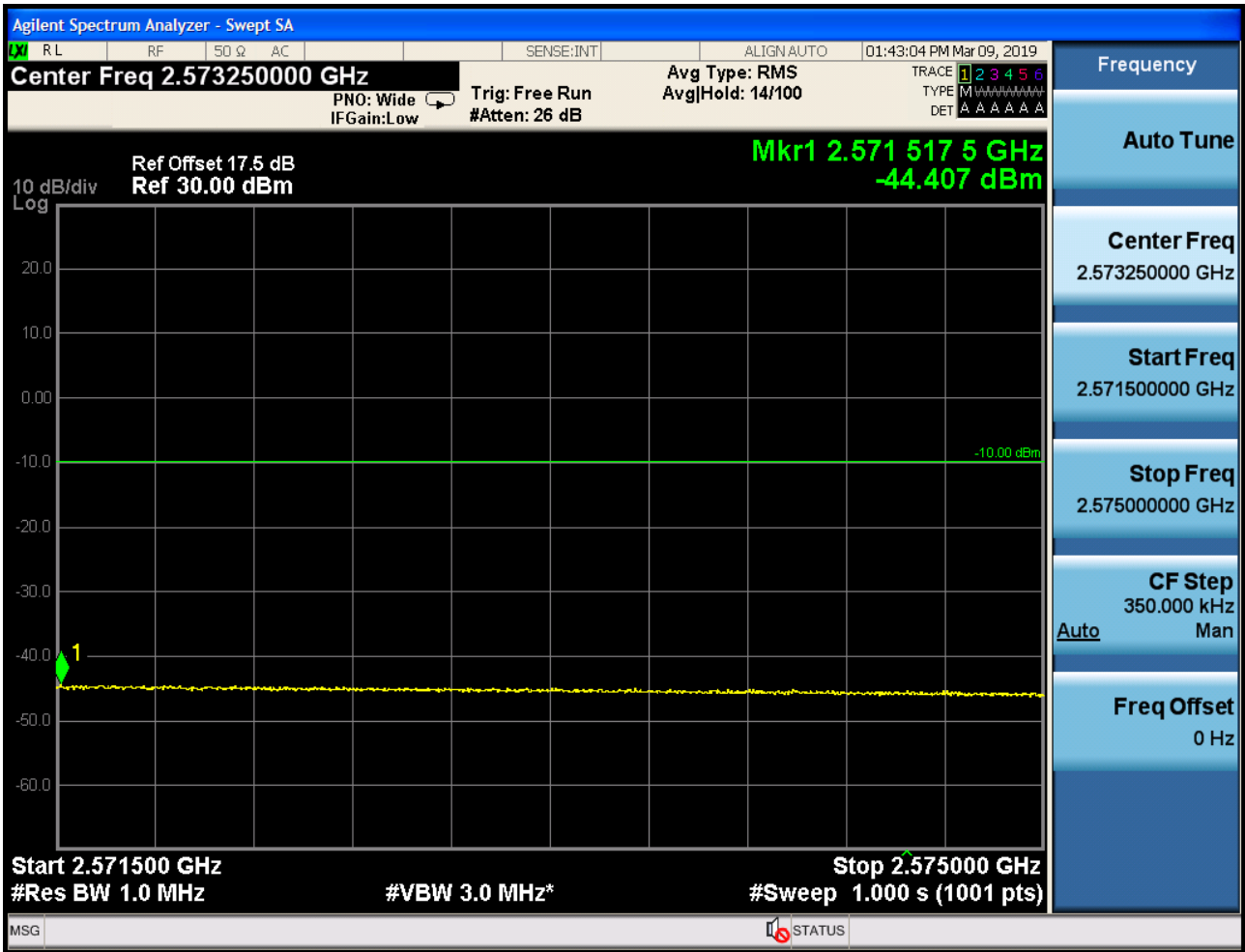




5.1.1.2.4.2 Test Channel = HCH

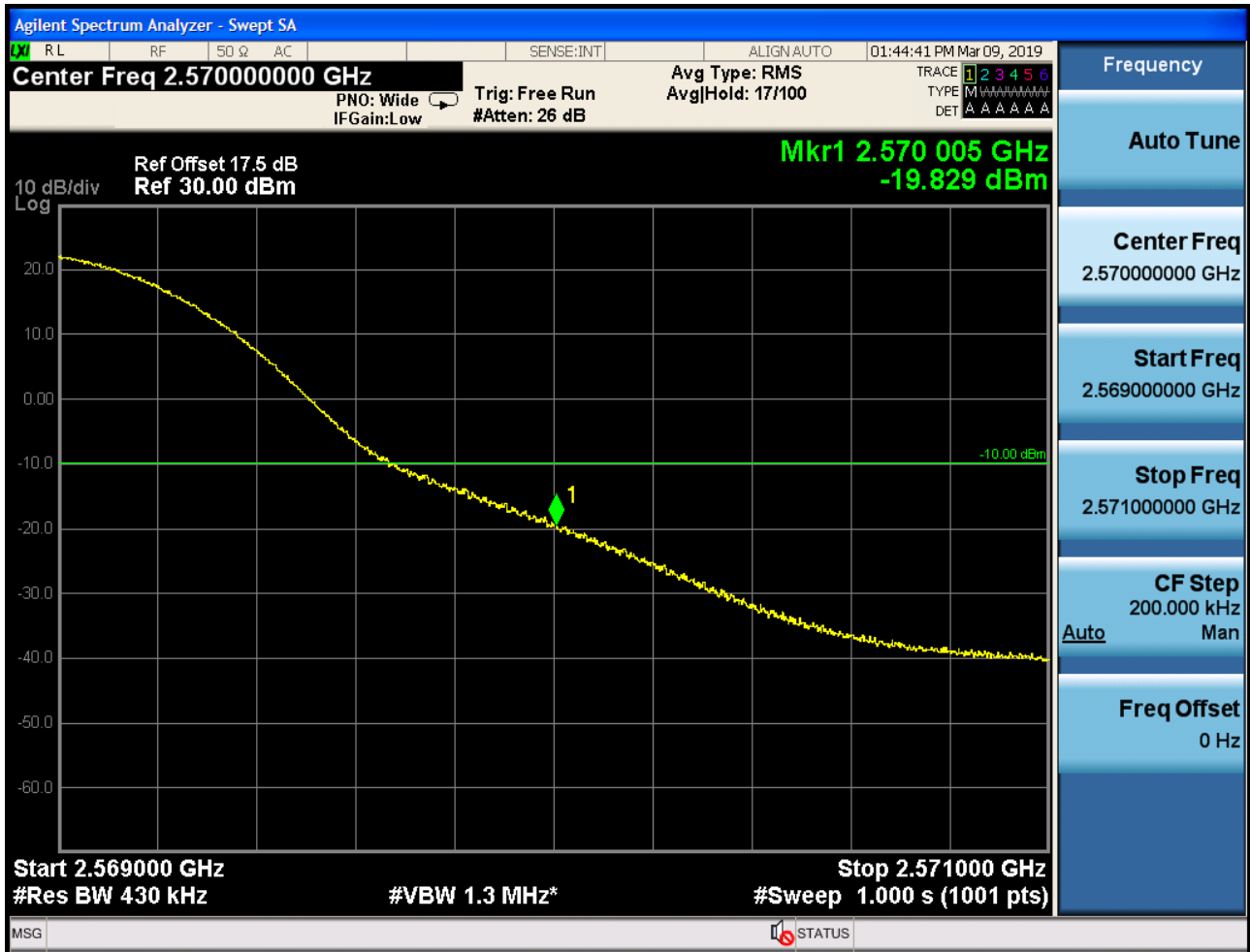
5.1.1.2.4.2.1 Test RB = RB1#0



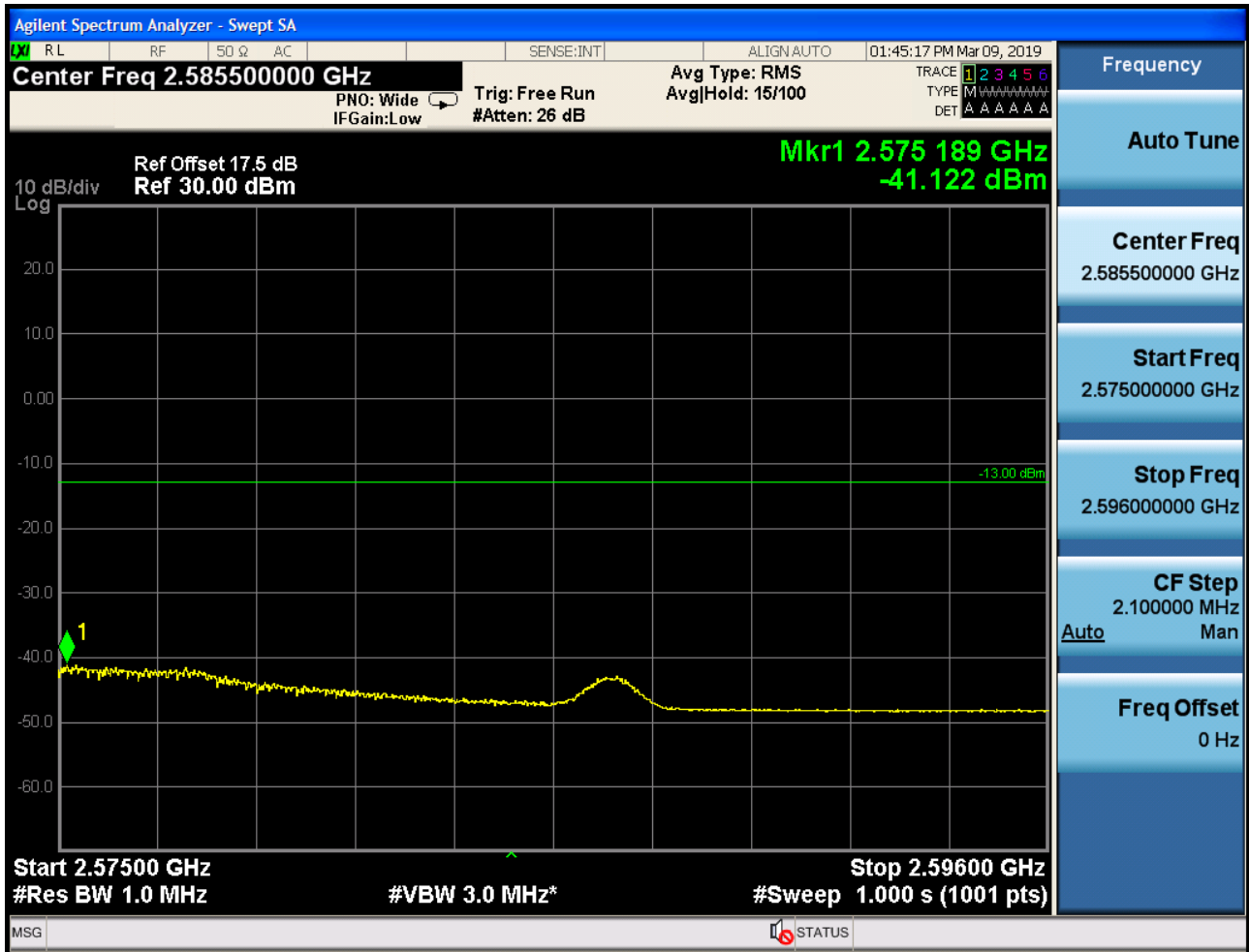




5.1.1.2.4.2.2 Test RB = RB1#99







5.1.1.2.4.2.3 Test RB = RB50#25

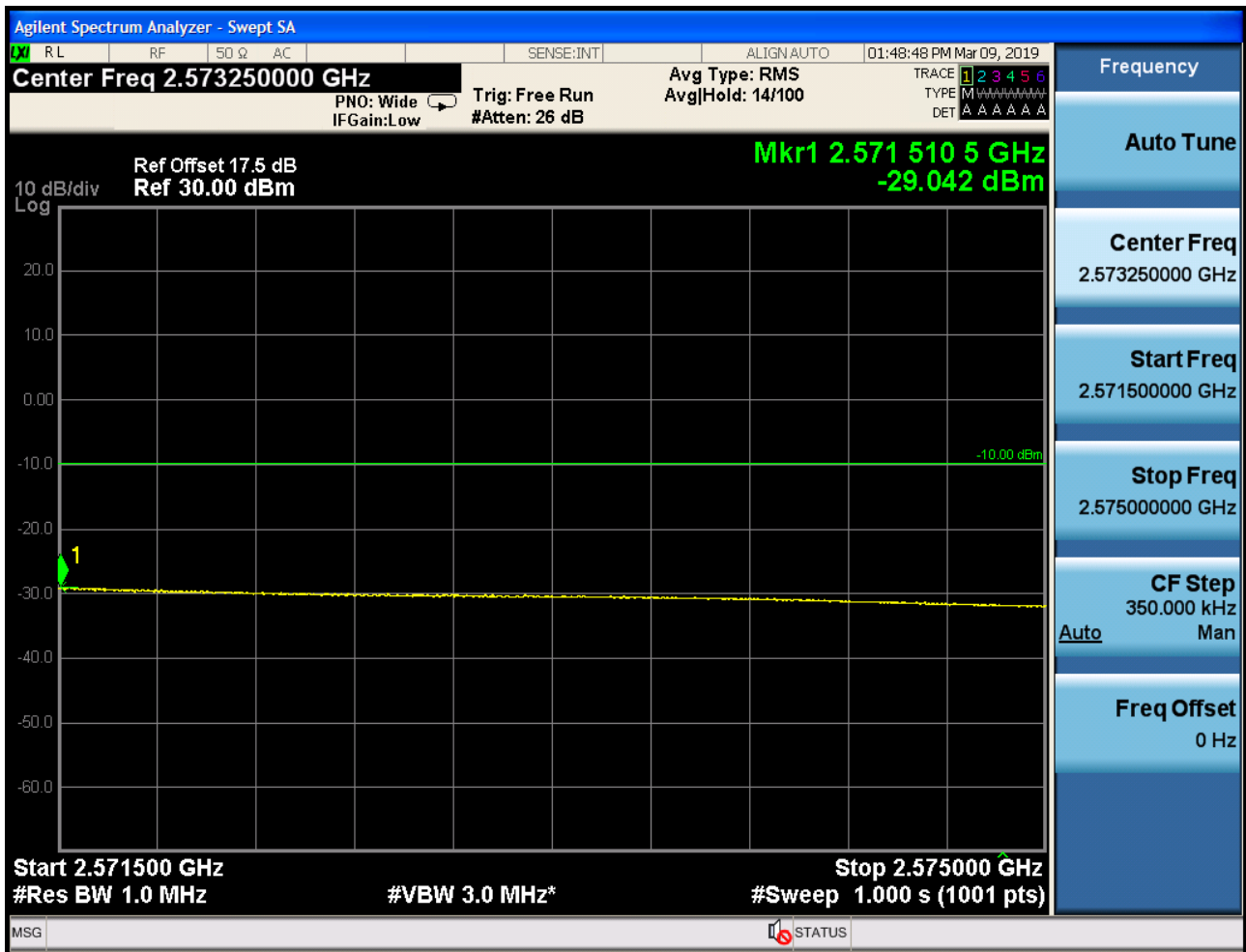






5.1.1.2.4.2.4 Test RB = RB100#0







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

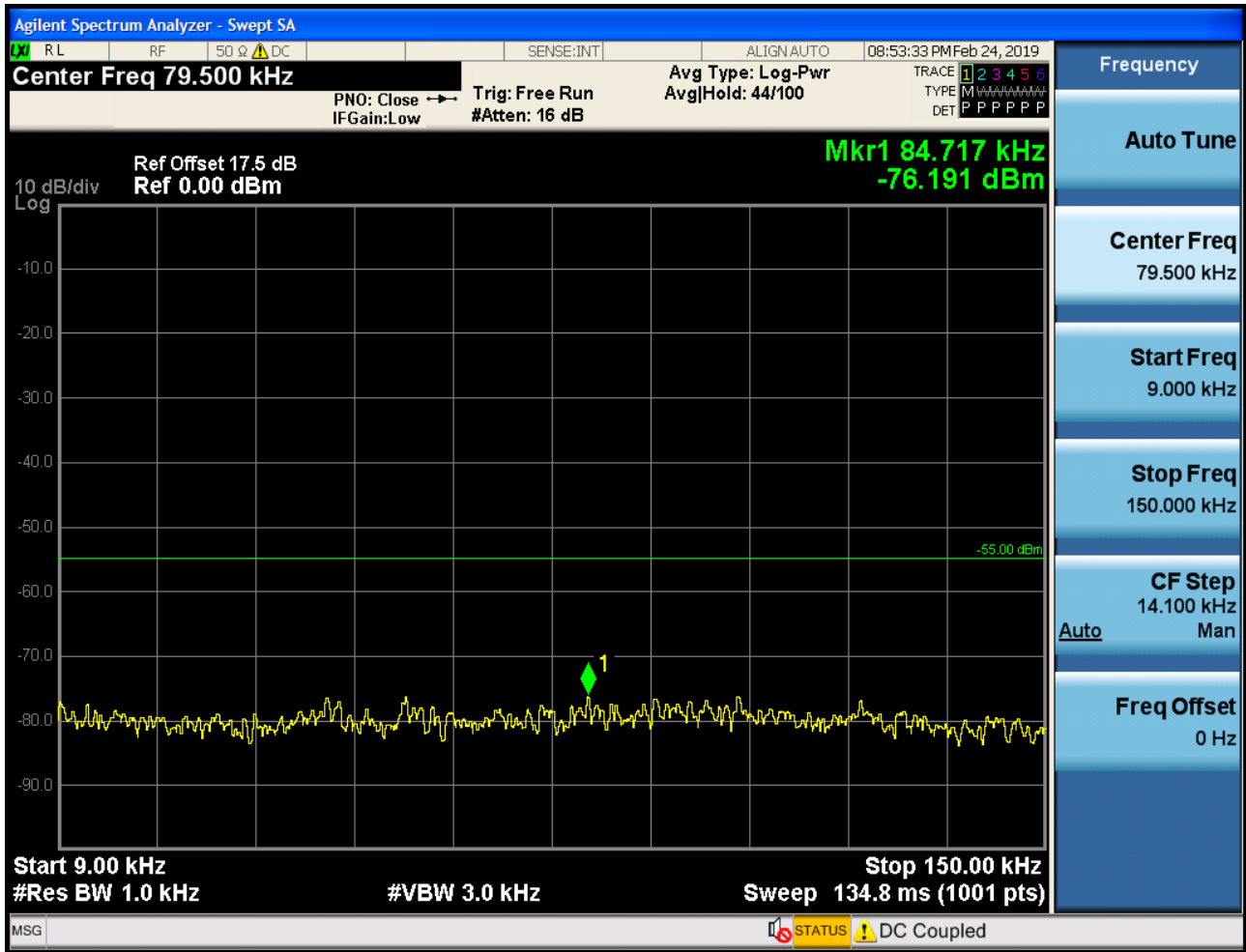
6.1.1 Test Band = Band7

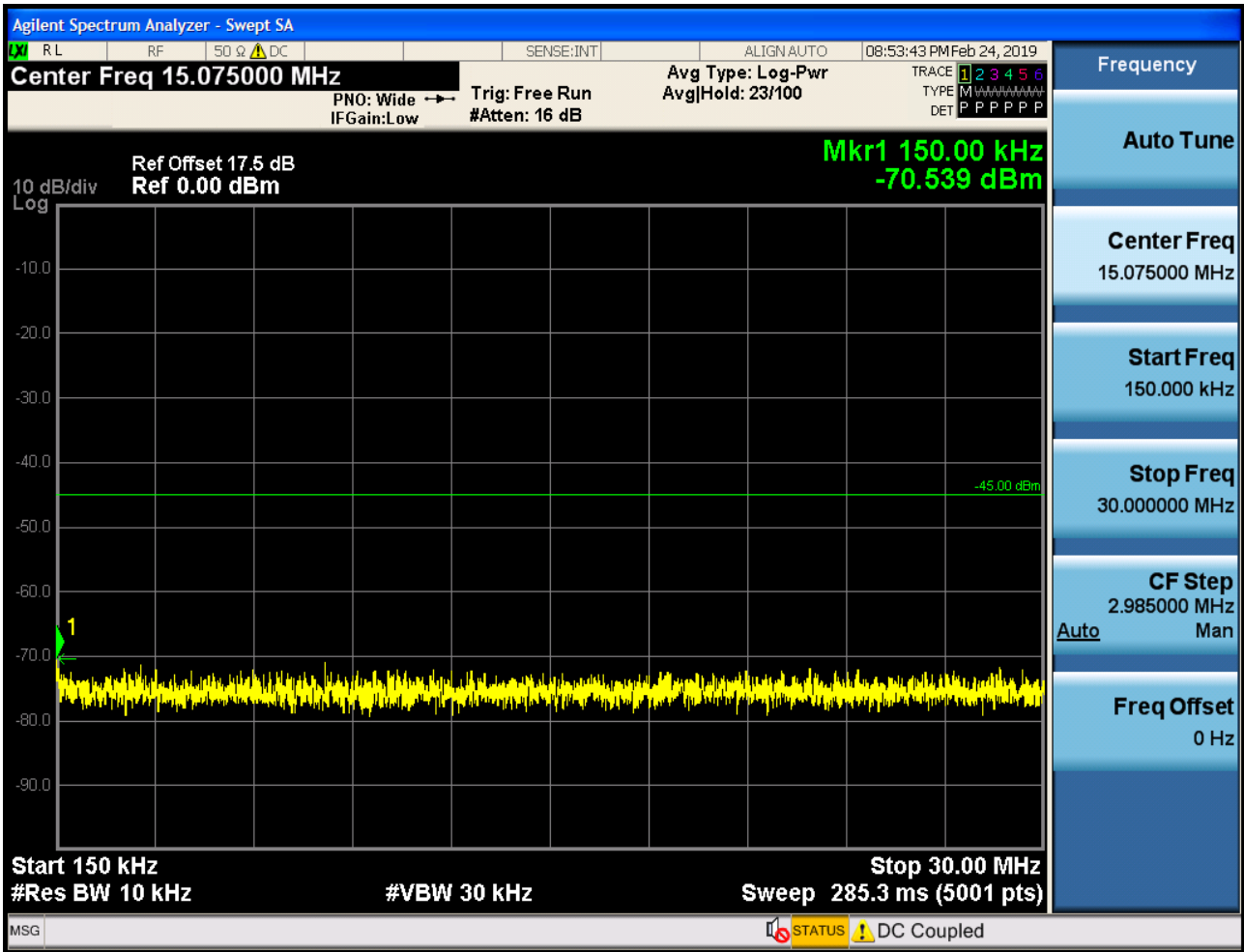
6.1.1.1 Test Mode = LTE/TM1

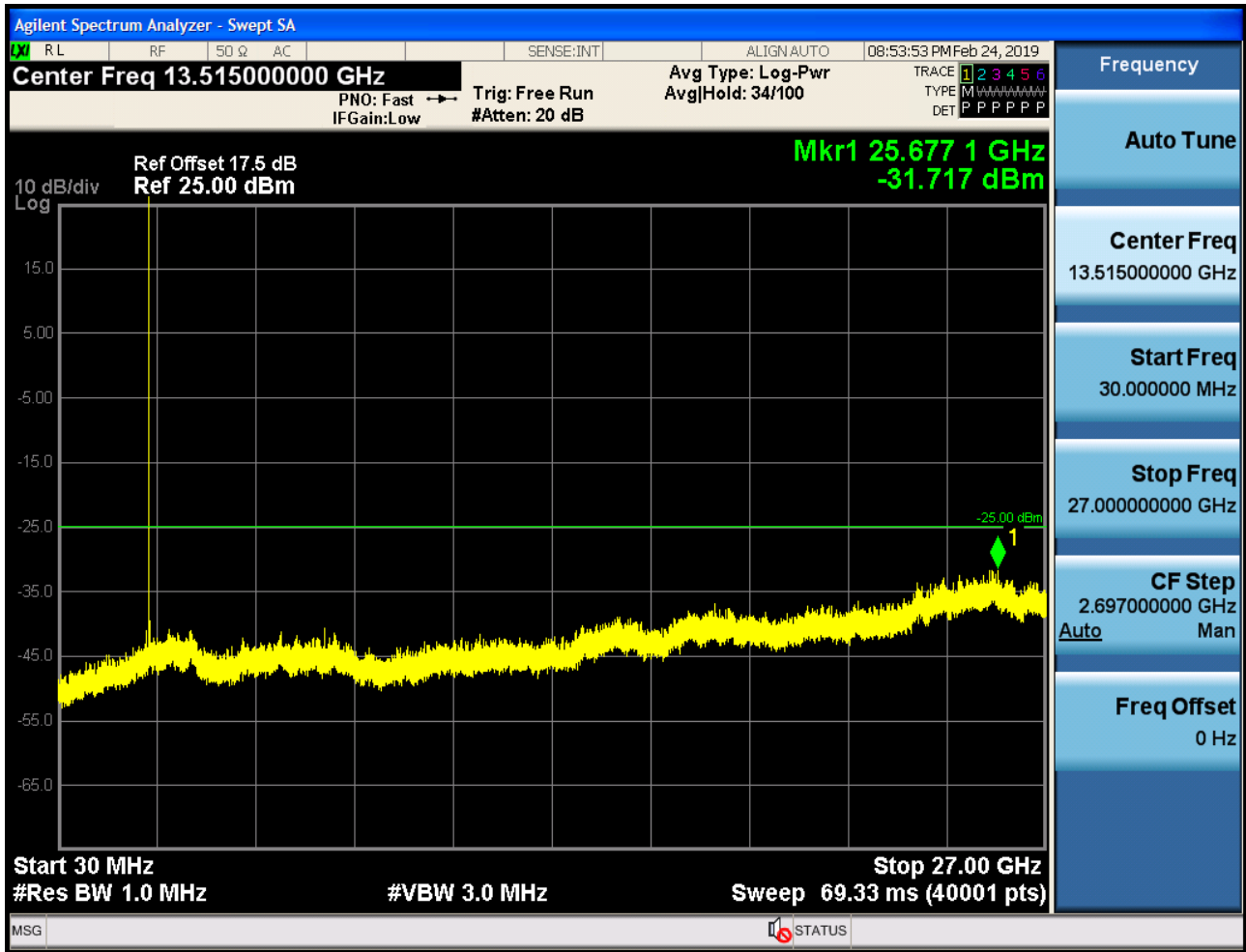
6.2.1.1.1 Test Bandwidth = 5

6.2.1.1.1.1 Test Channel = LCH

6.2.1.1.1.1.1 Test RB = RB1#0



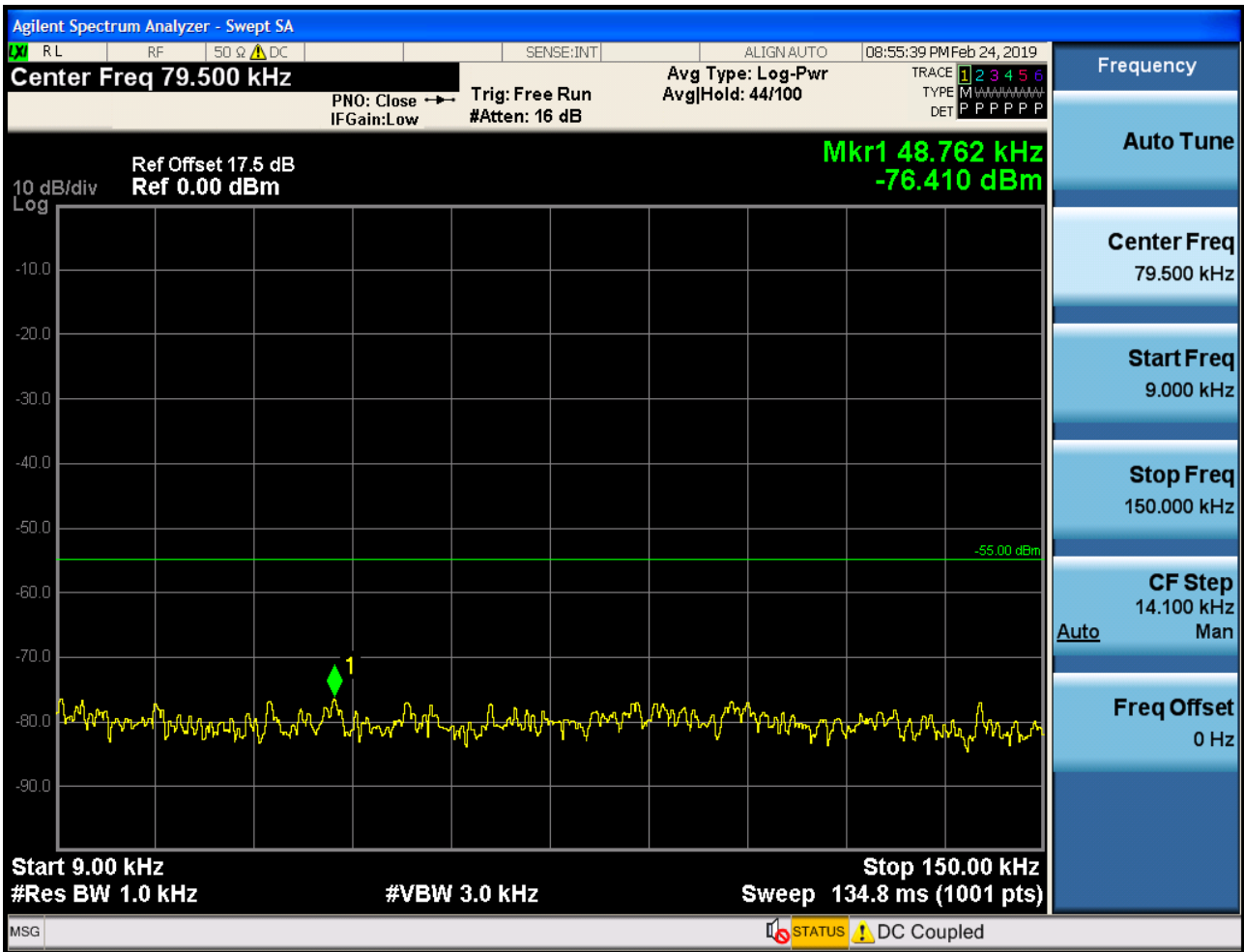


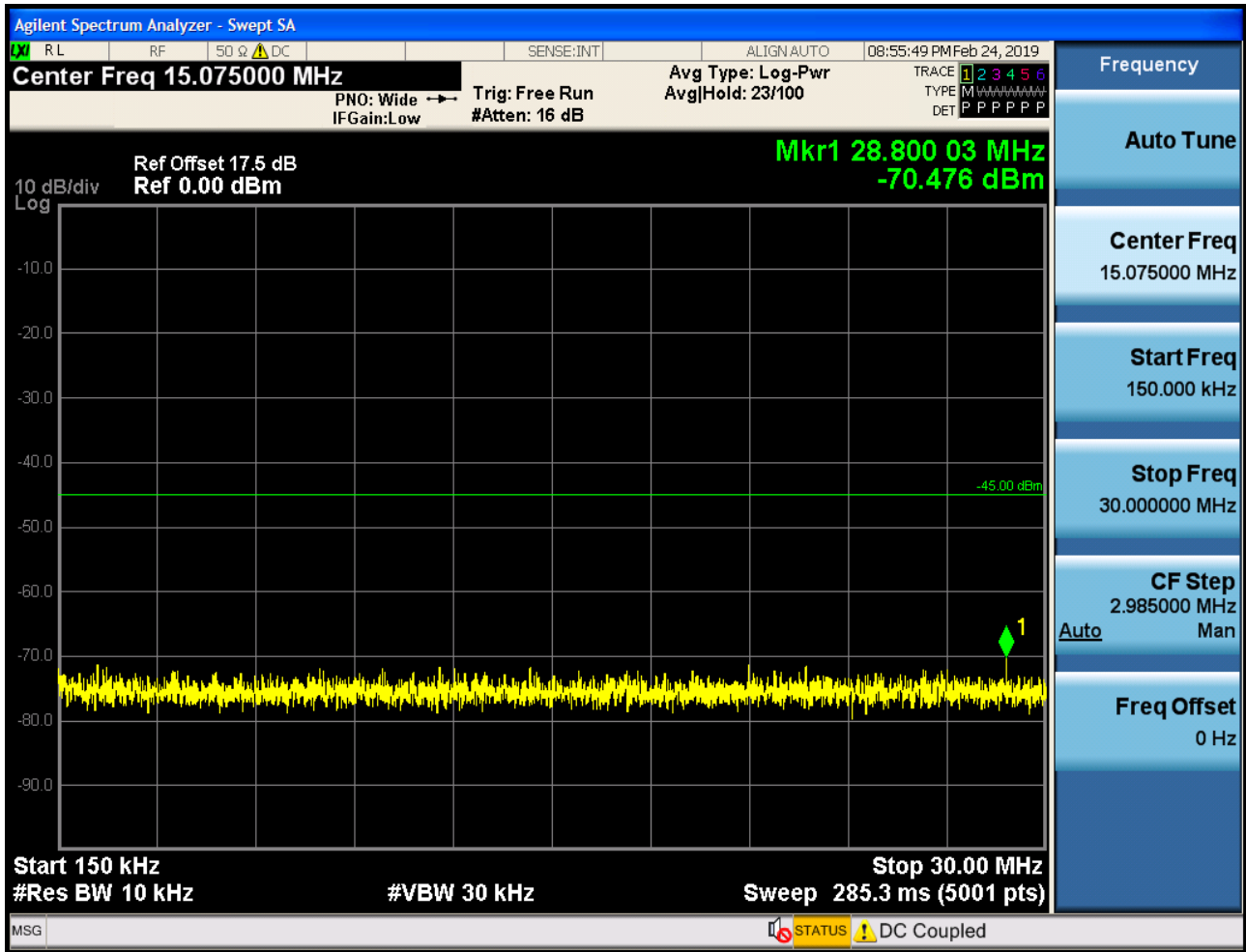


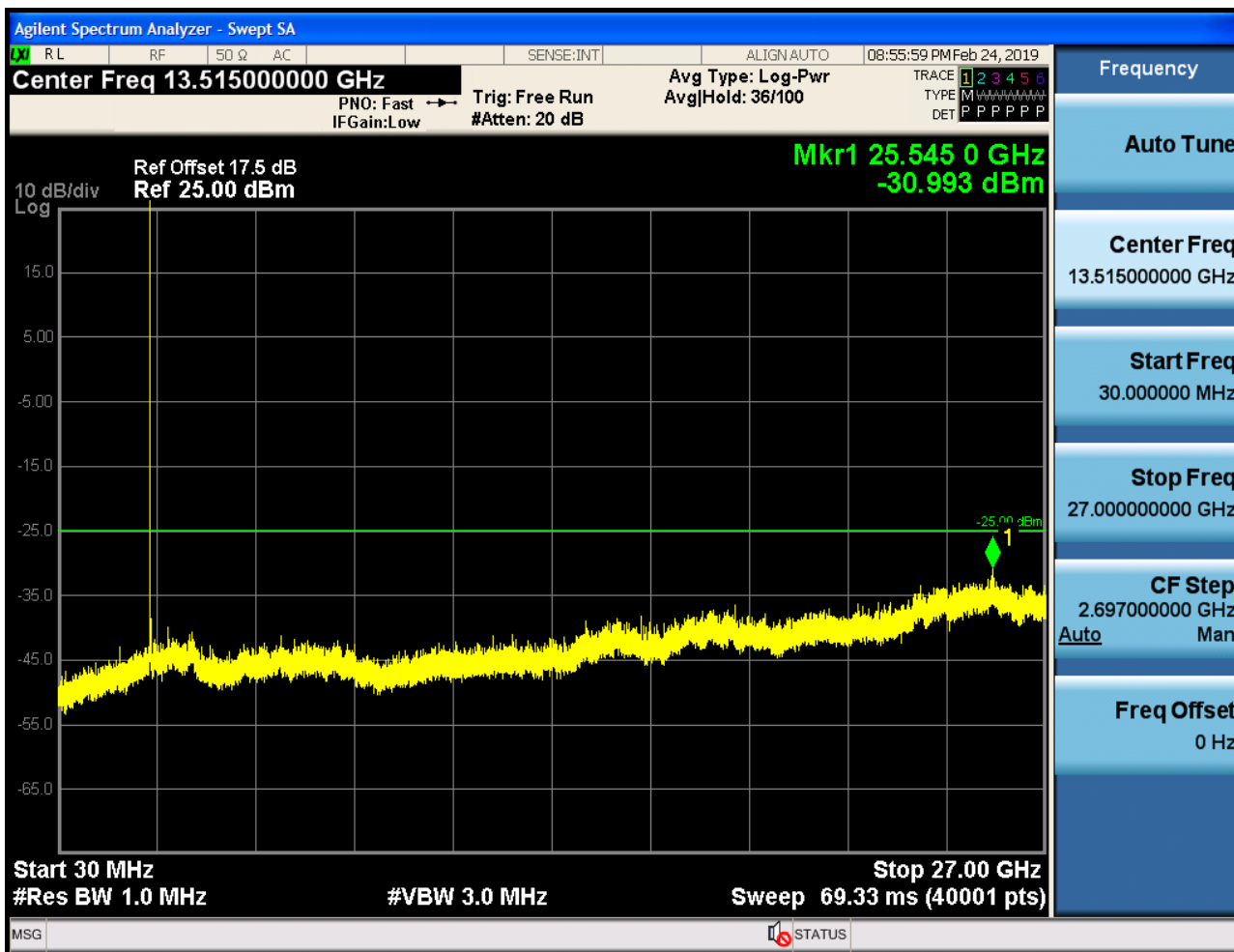


6.2.1.1.1.2 Test Channel = MCH

6.2.1.1.1.2.1 Test RB = RB1#0

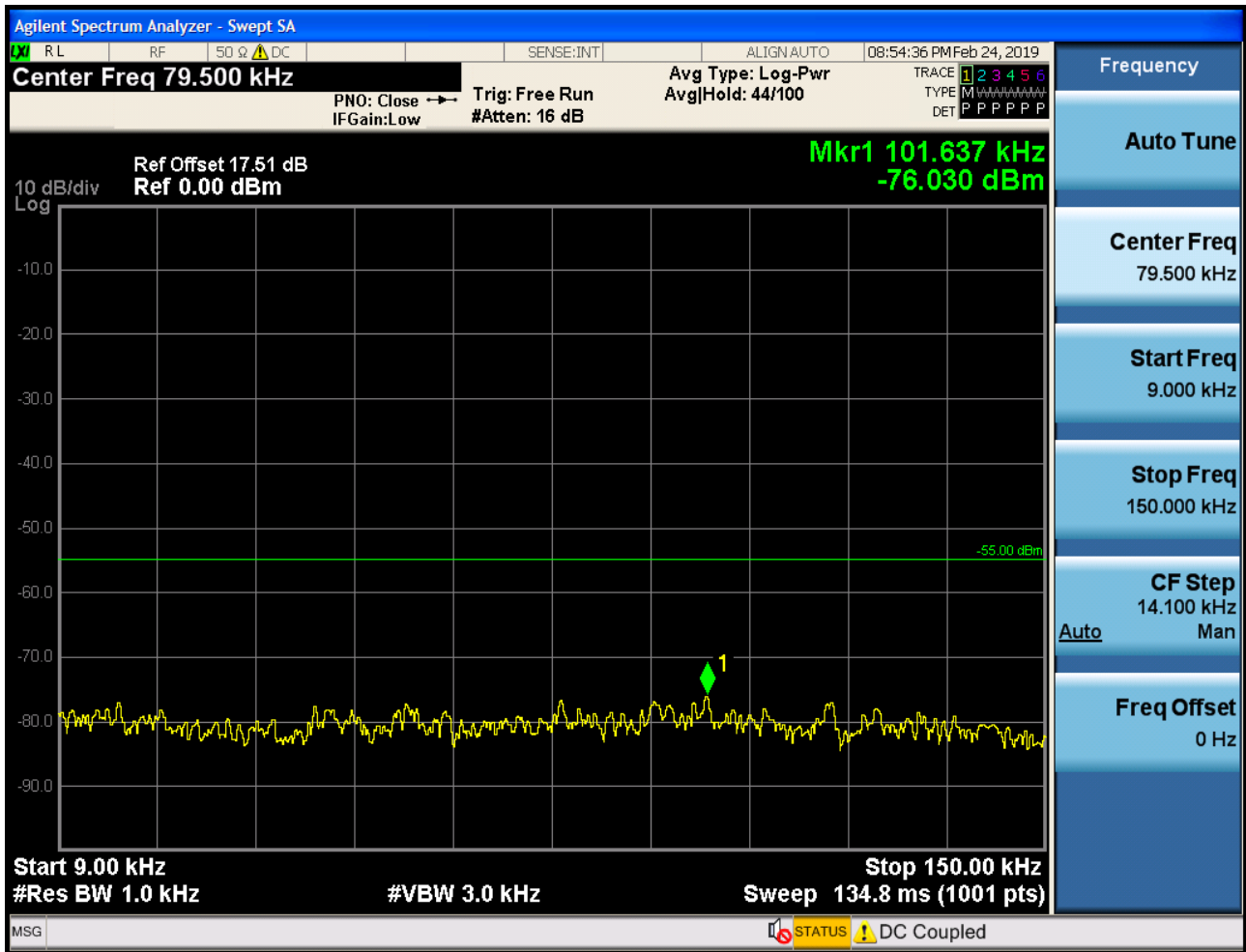


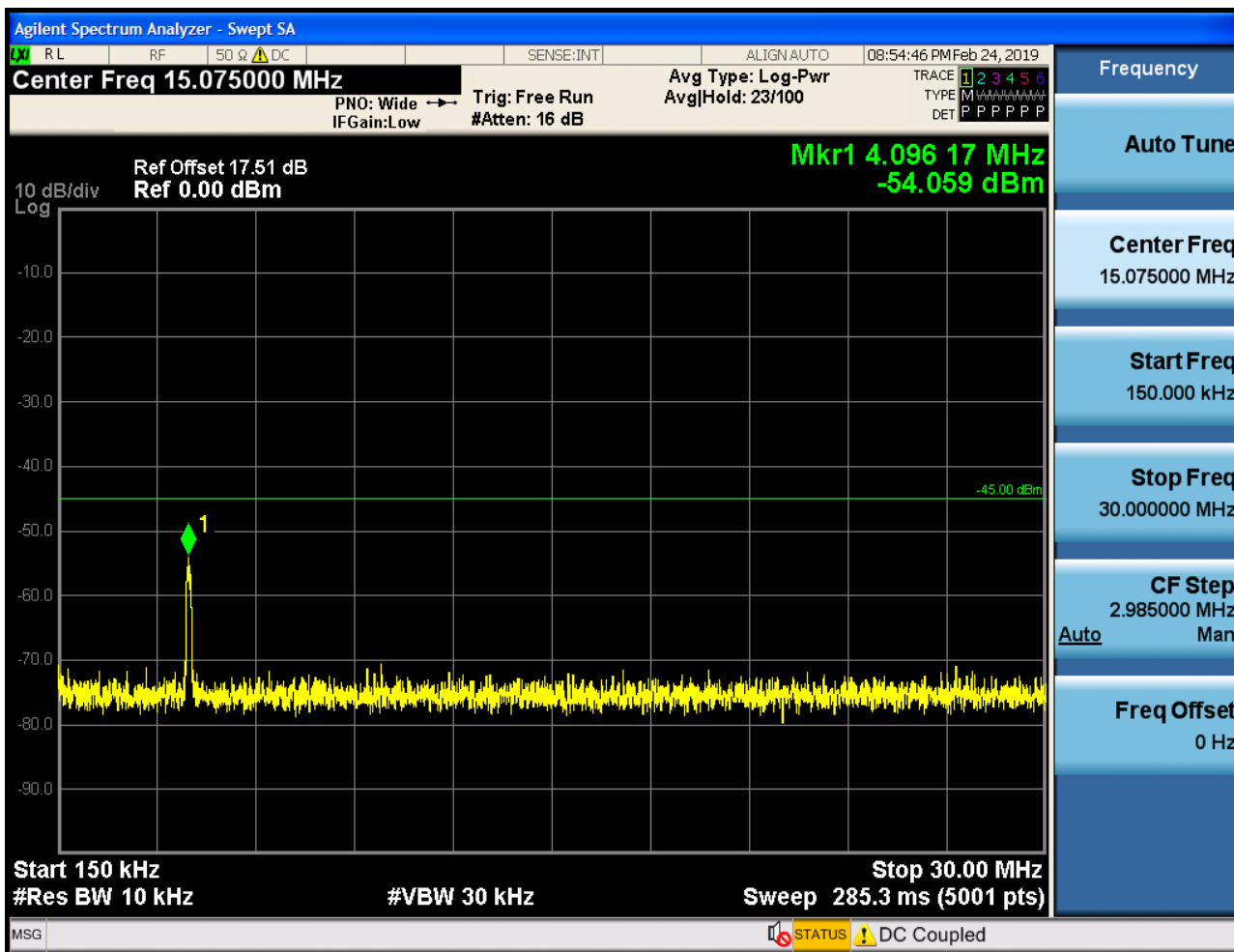


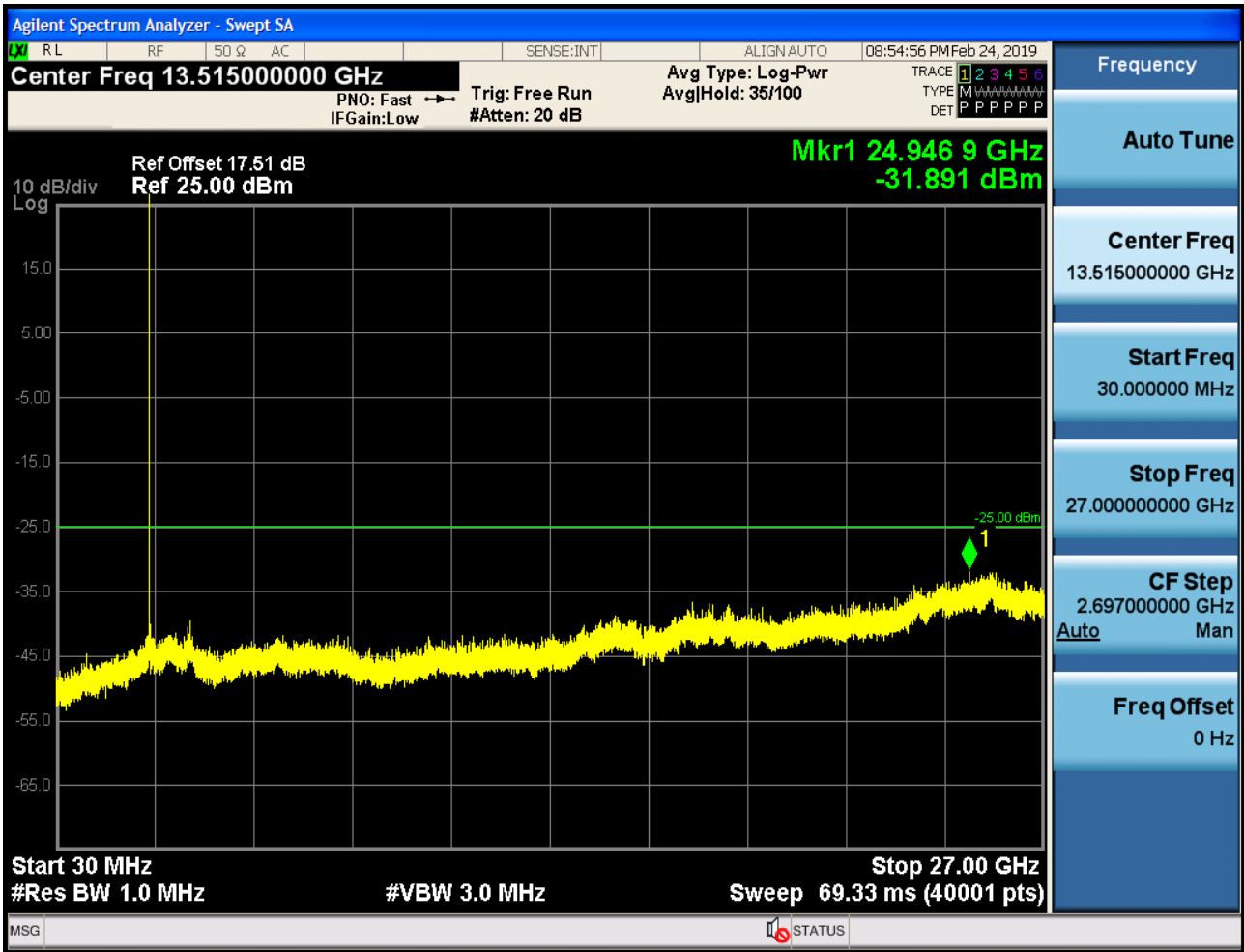


6.2.1.1.1.3 Test Channel = HCH

6.2.1.1.1.3.1 Test RB = RB1#0



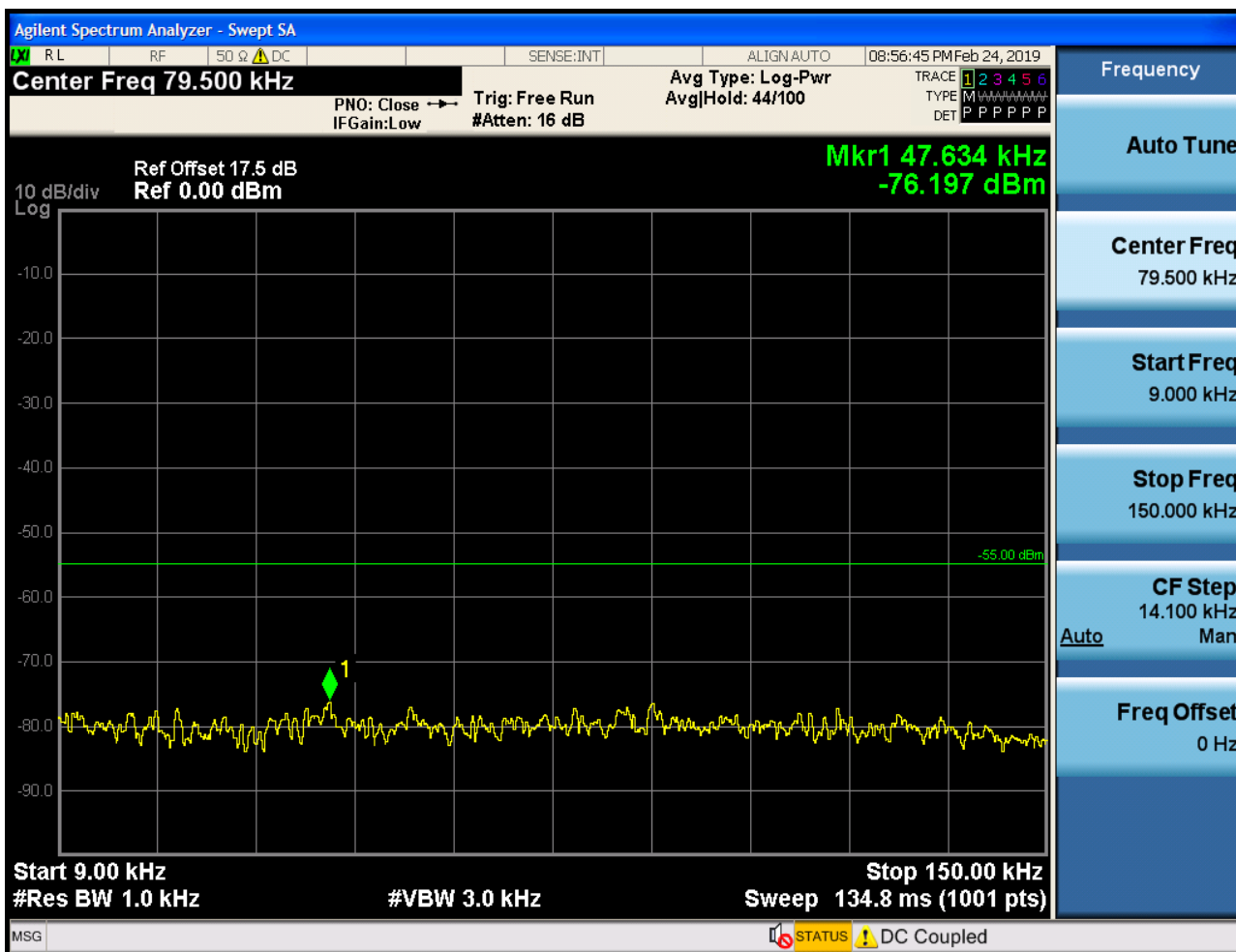


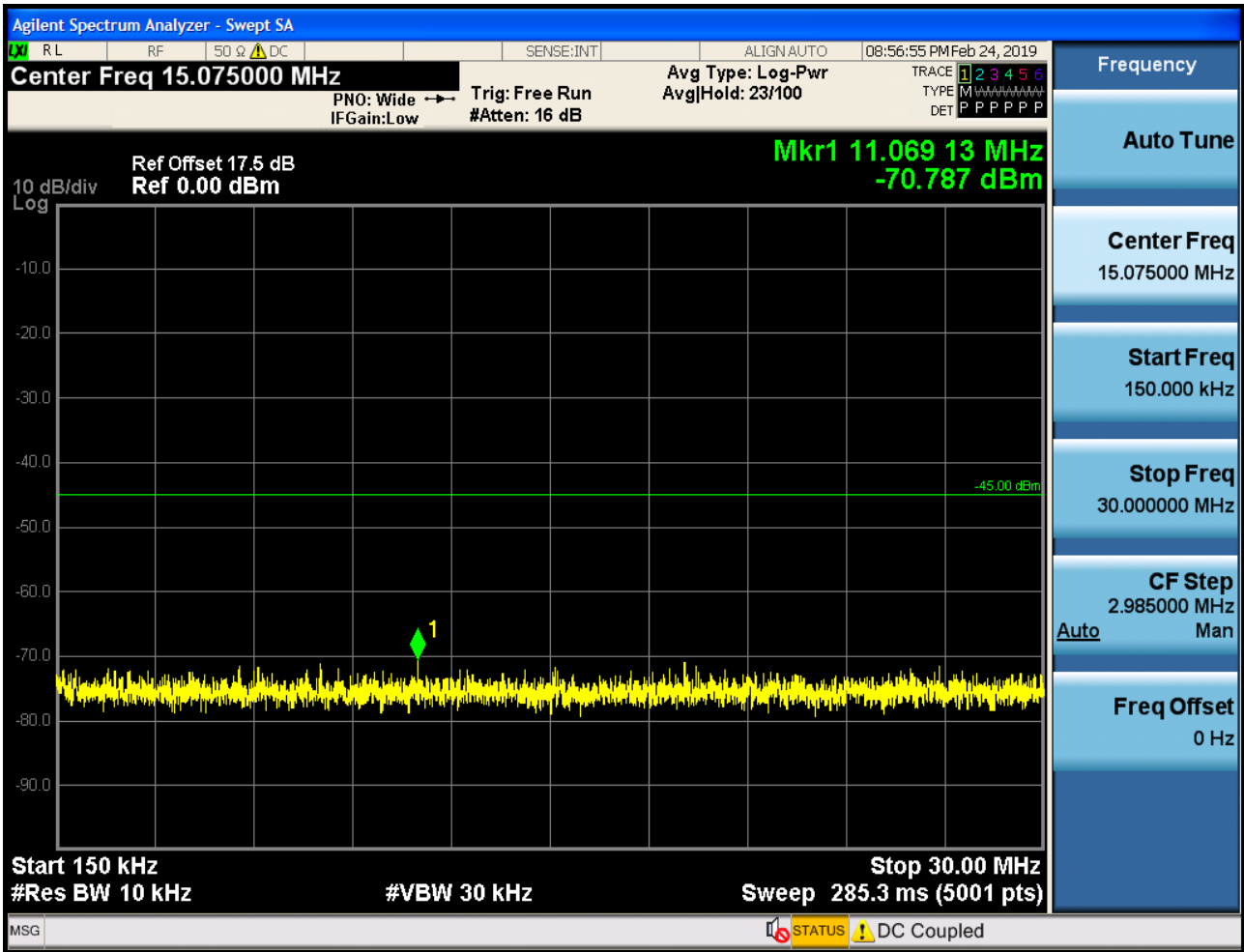


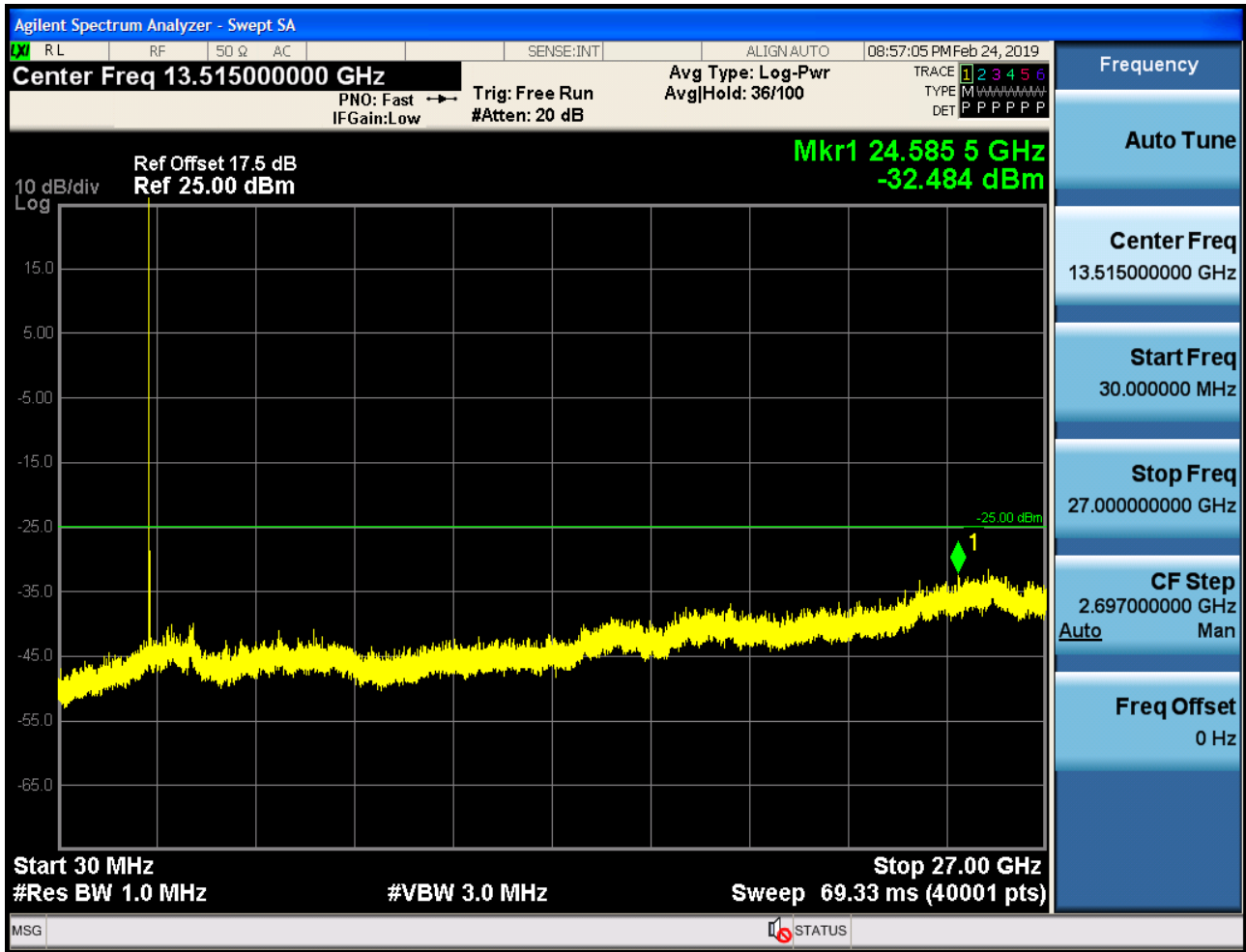
6.2.1.1.2 Test Bandwidth = 10

6.2.1.1.2.1 Test Channel = LCH

6.2.1.1.2.1.1 Test RB = RB1#0

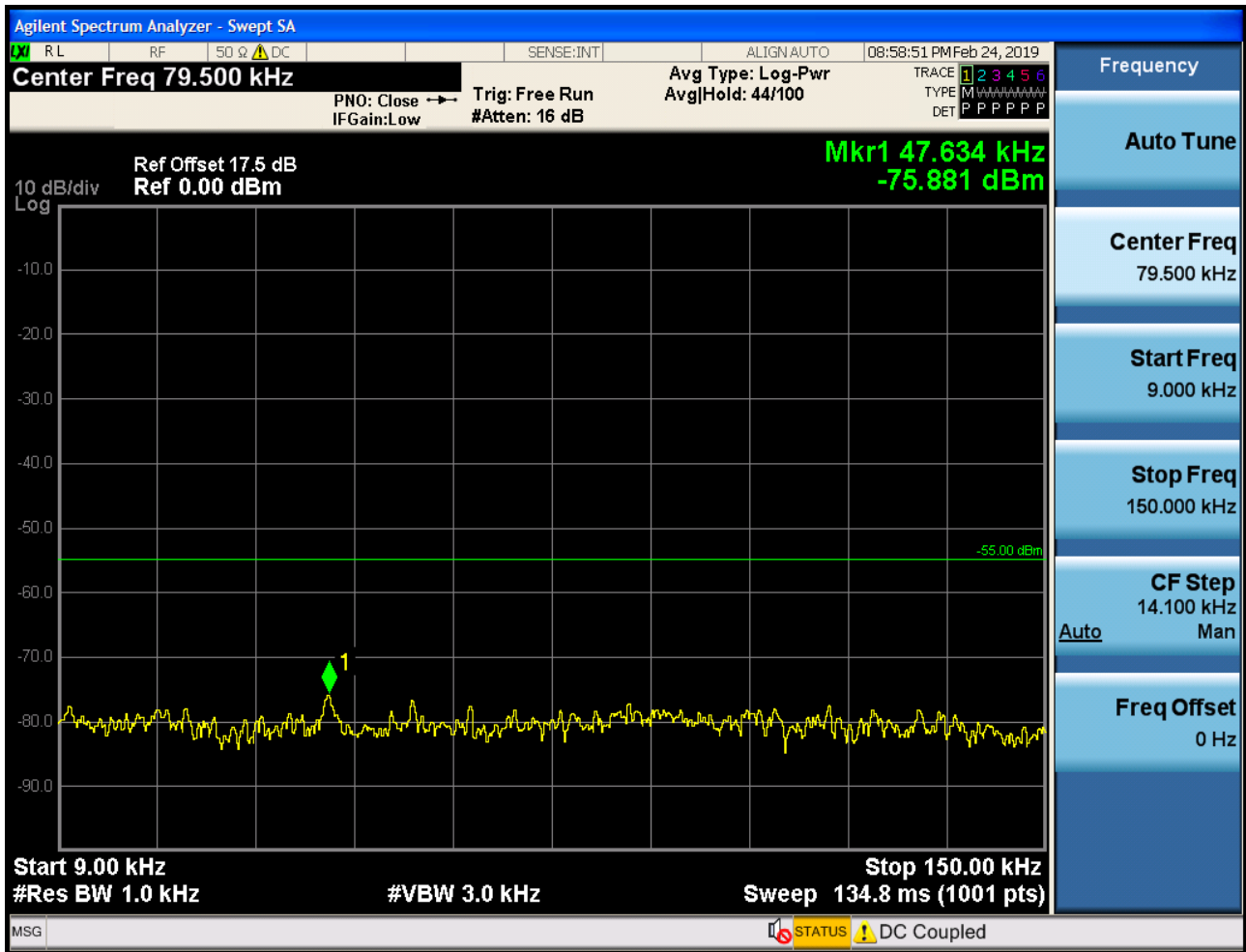


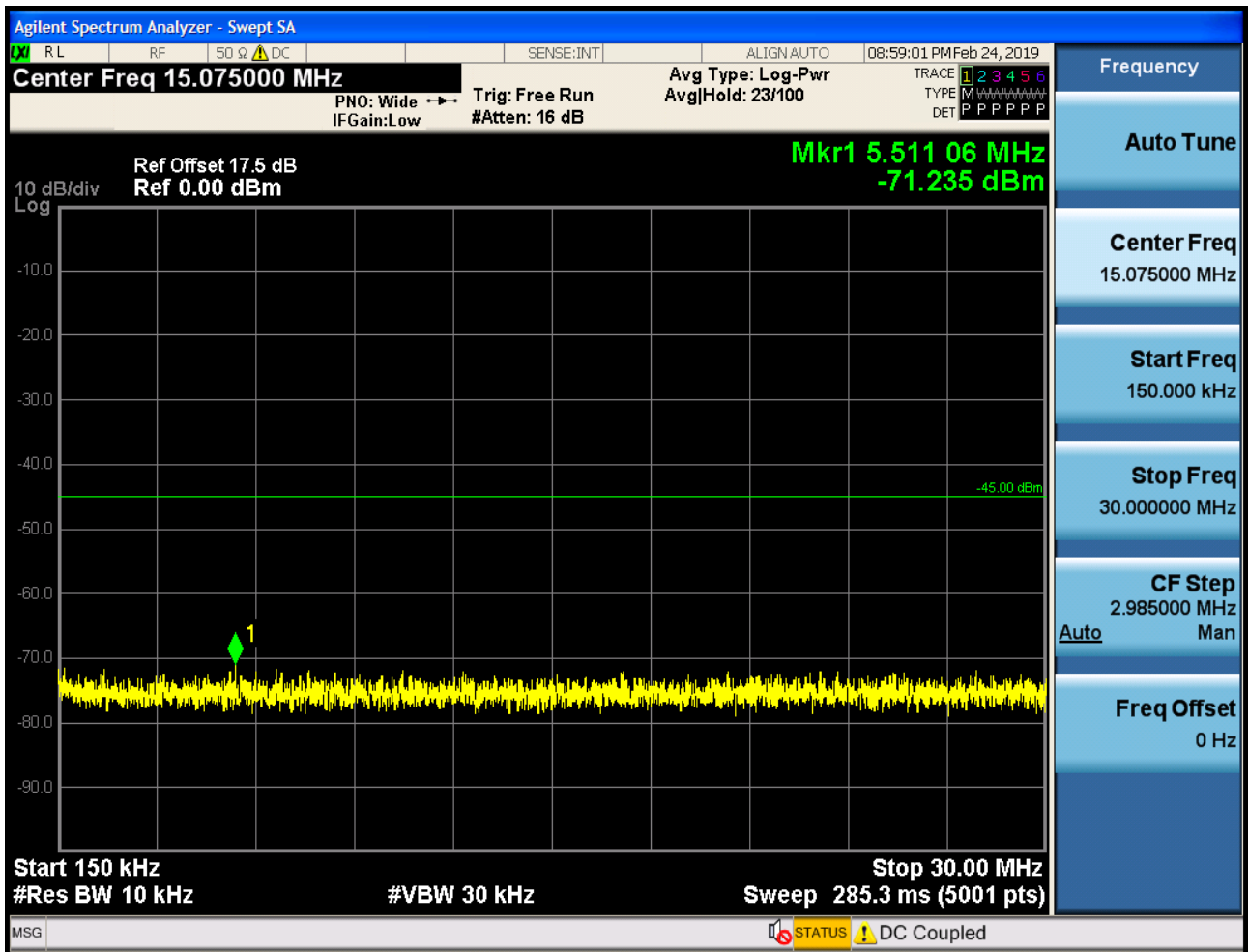


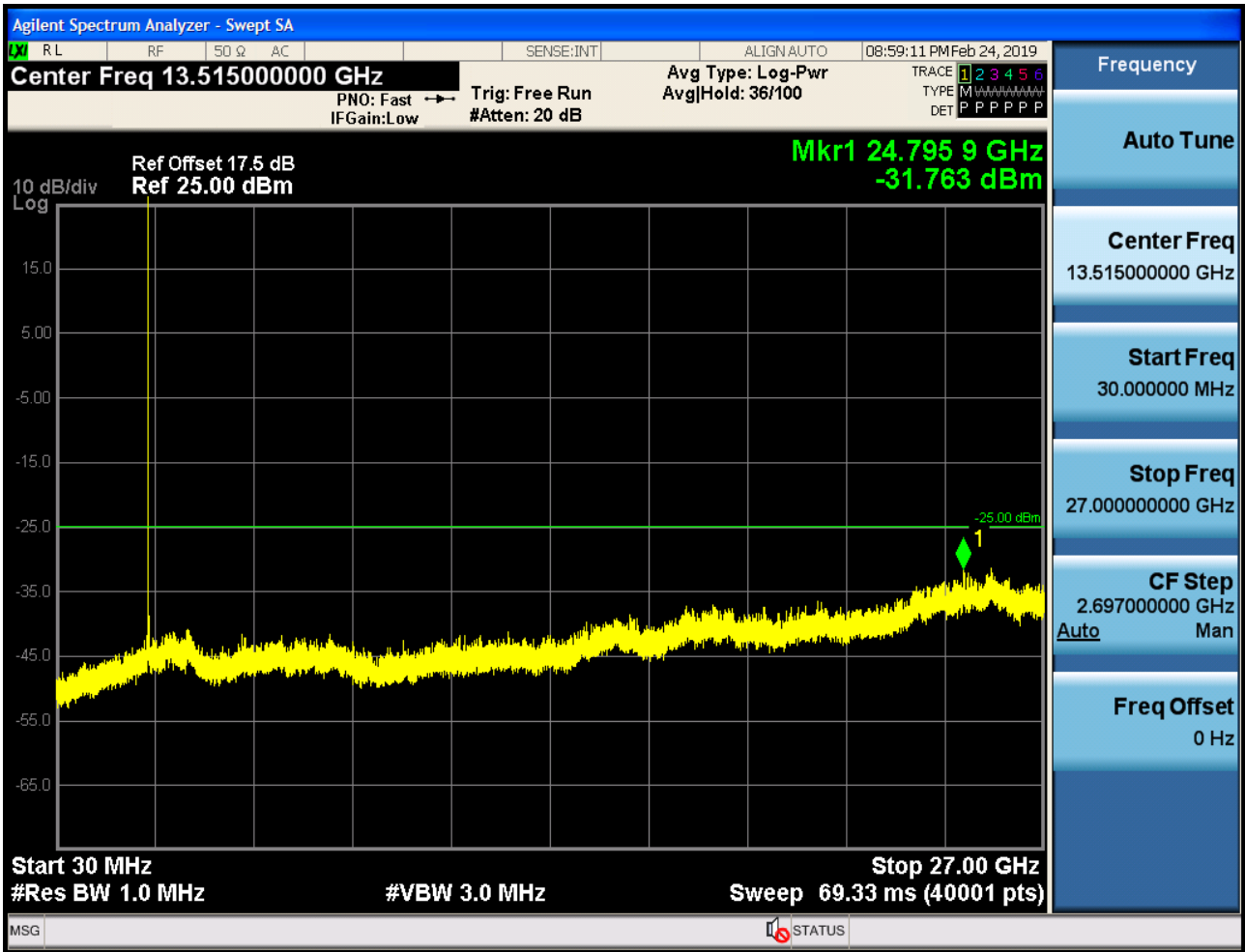


6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0

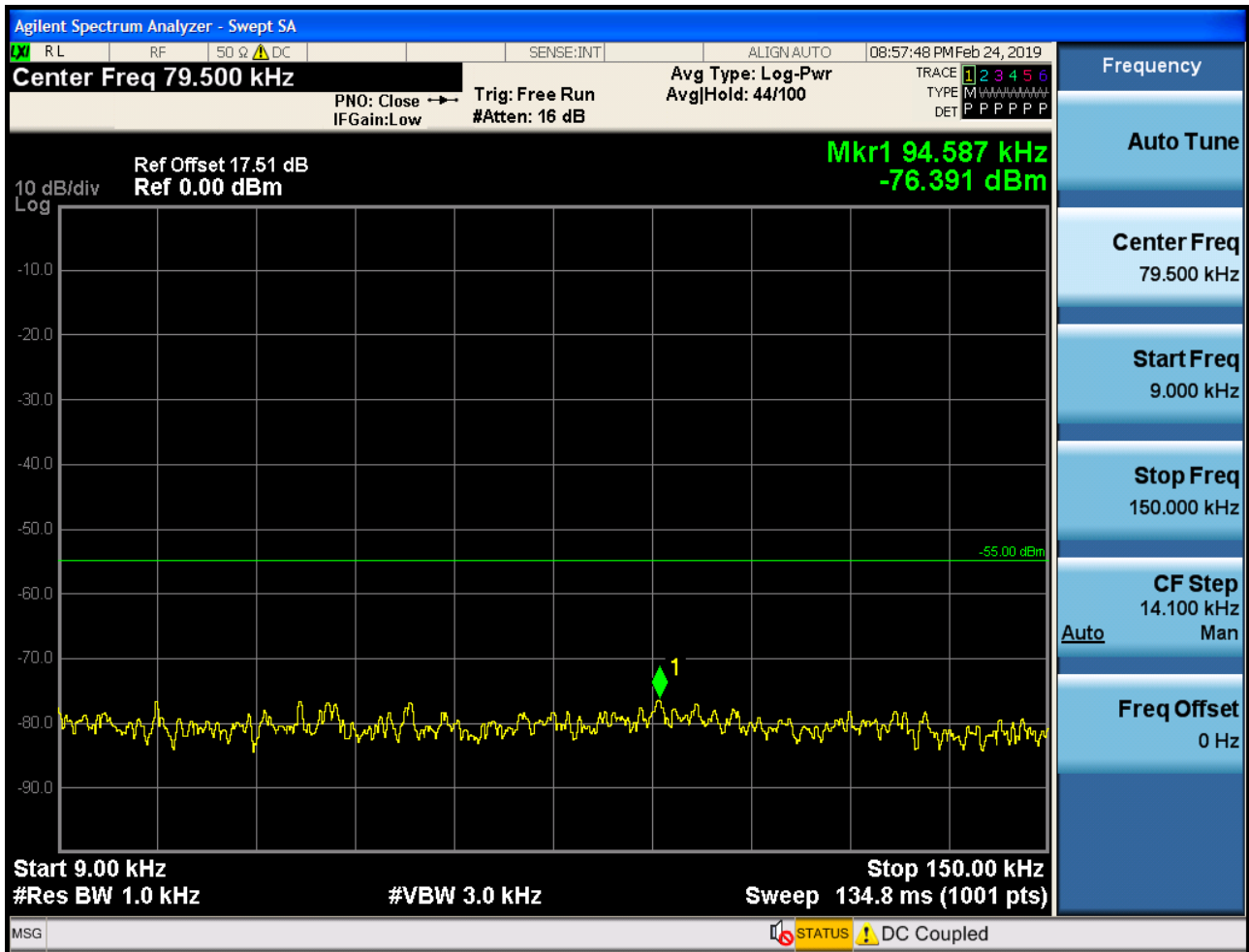


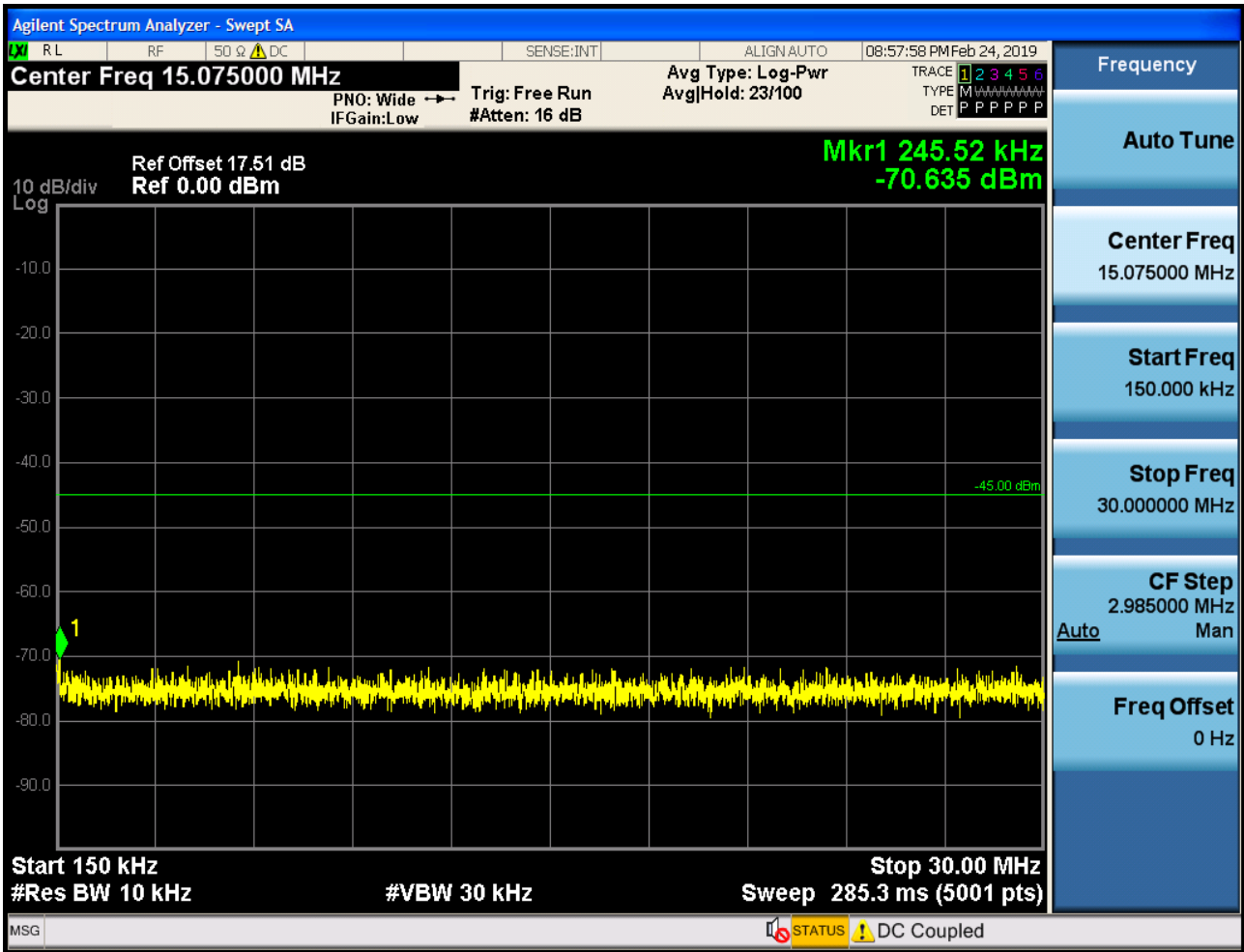


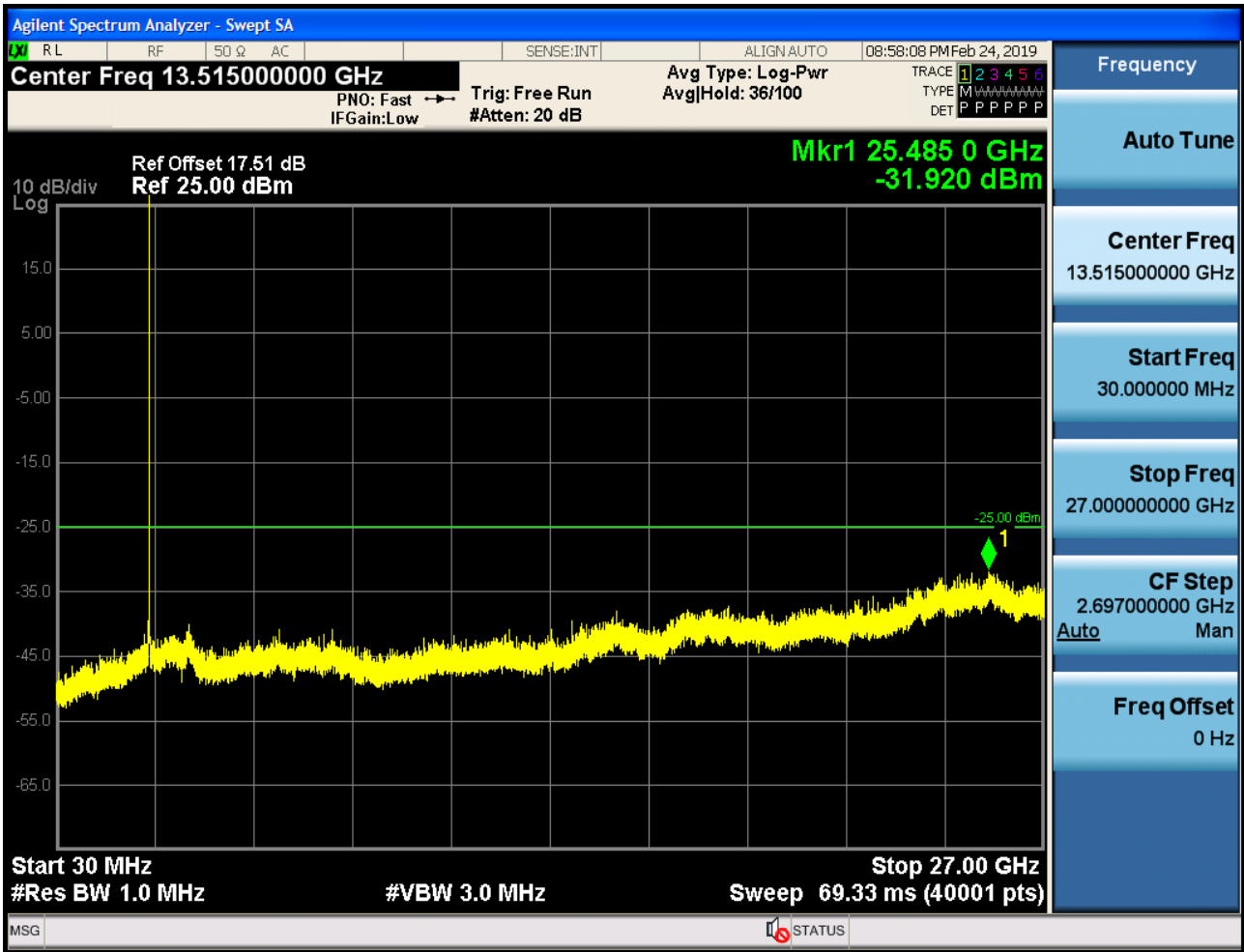


6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0



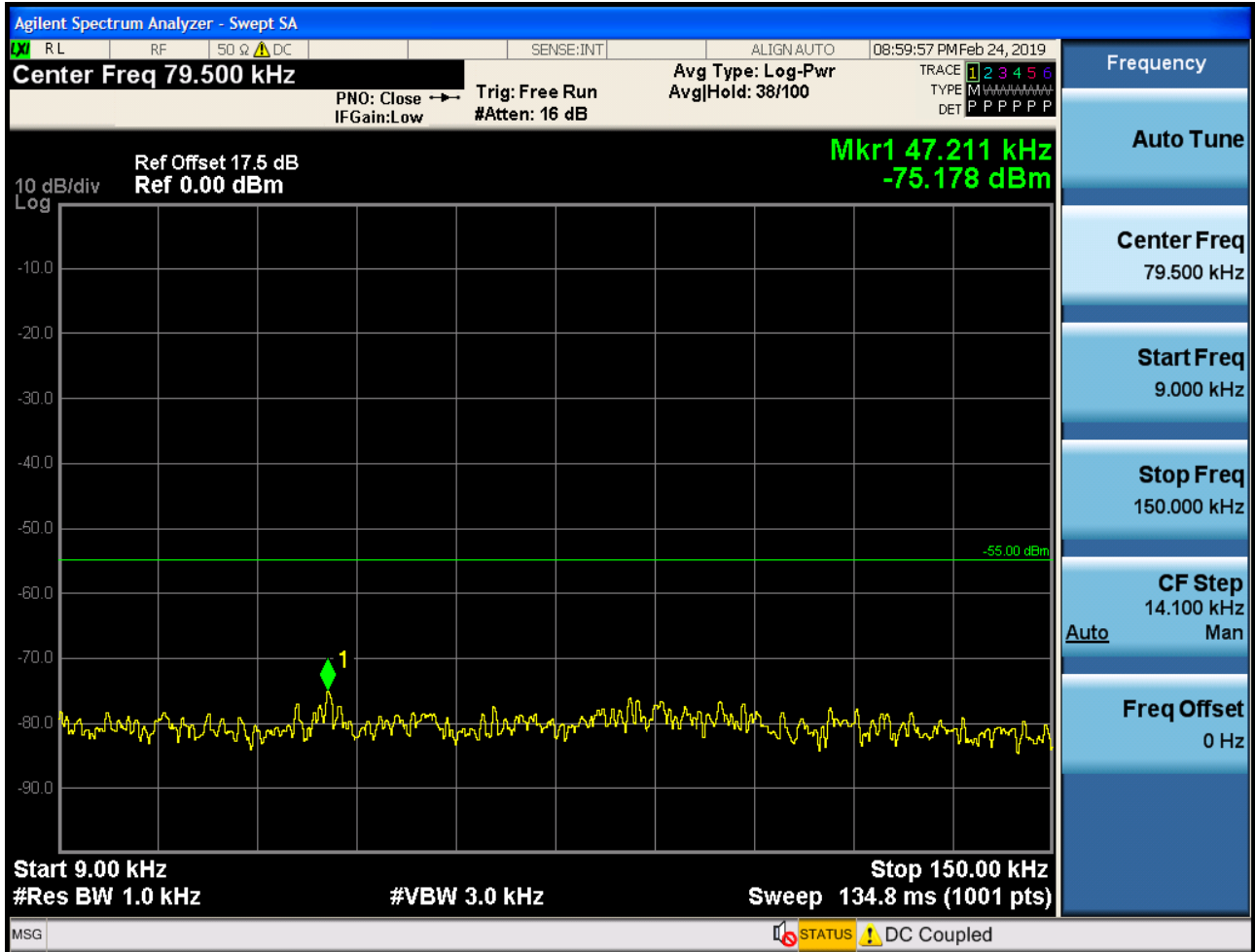


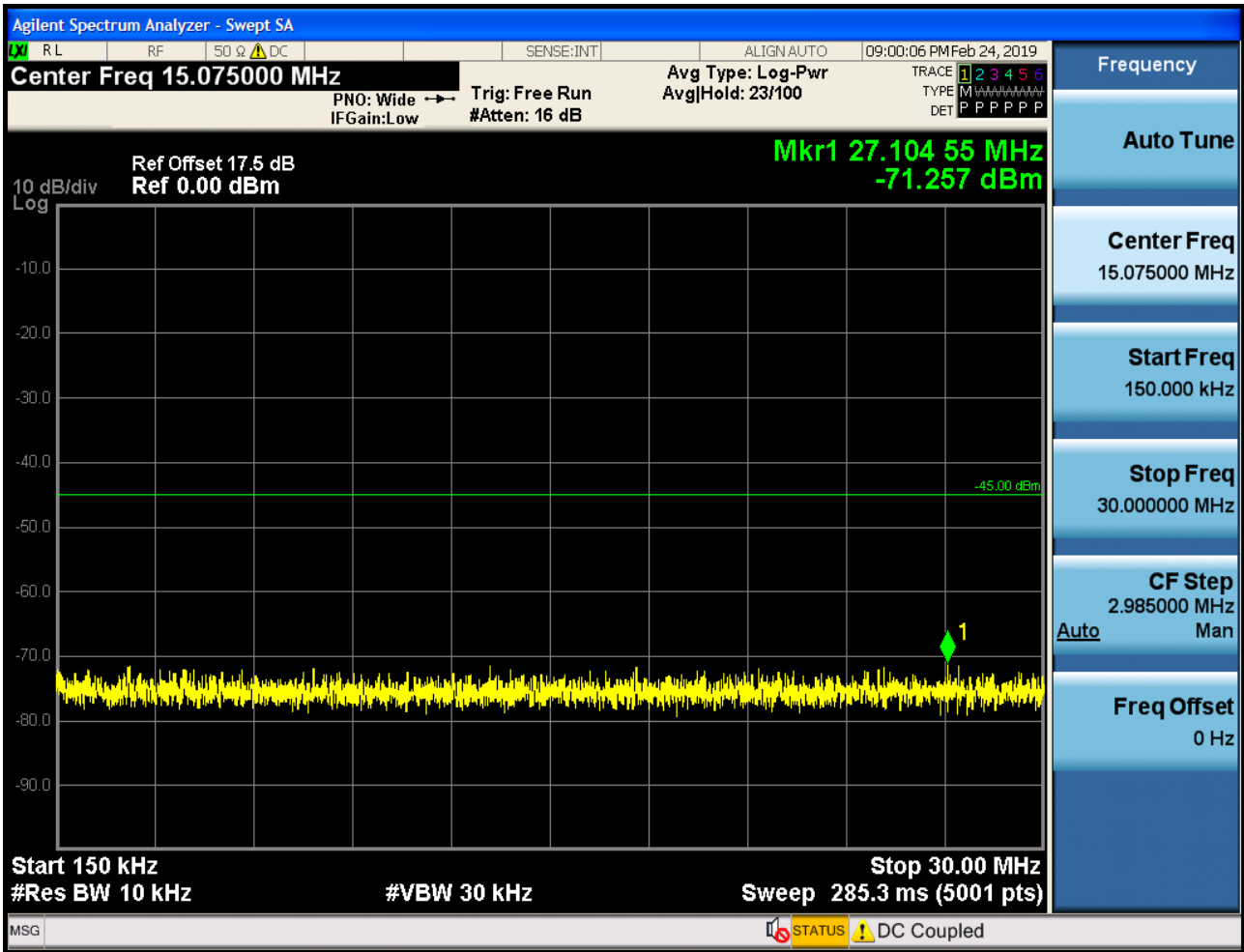


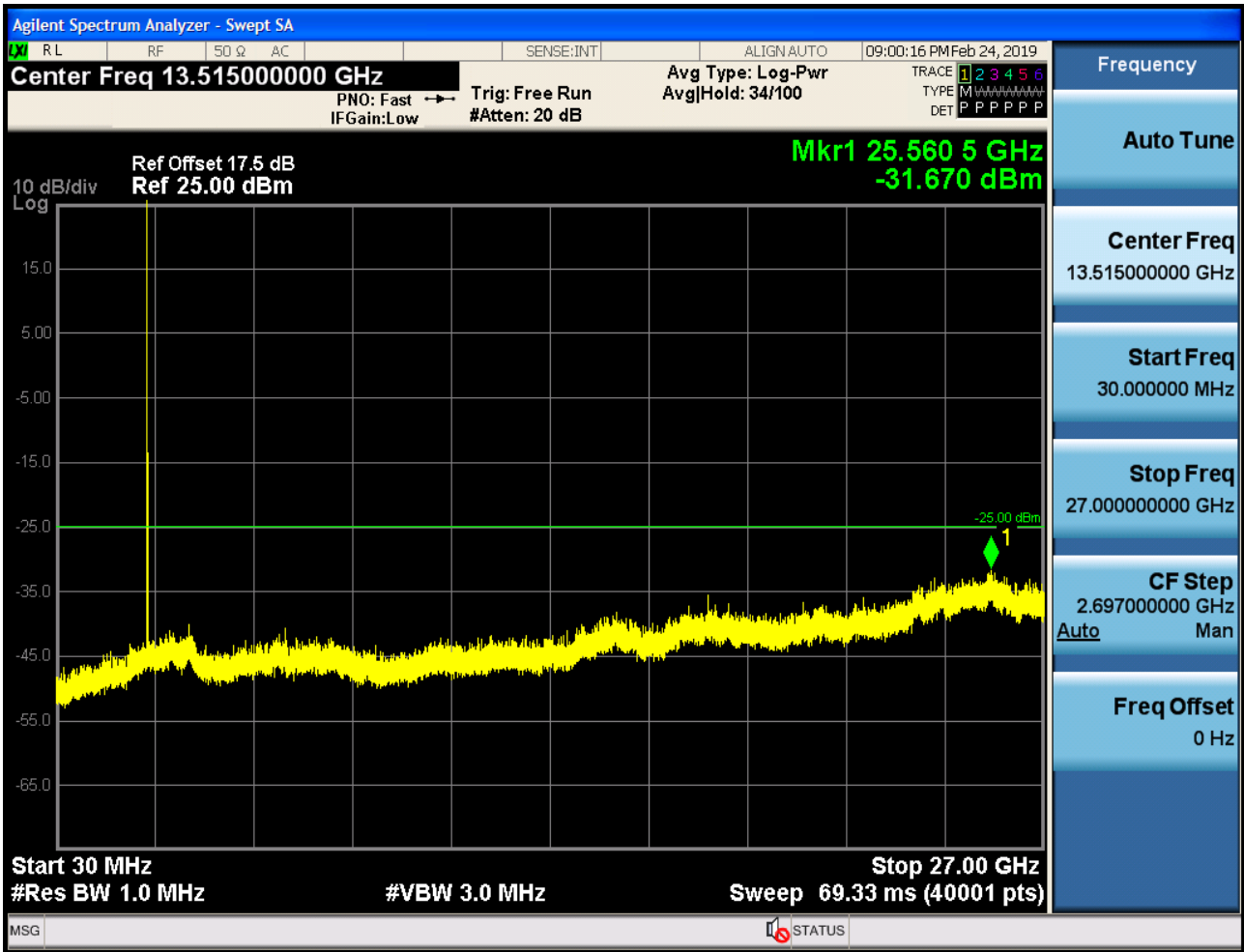
6.2.1.1.3 Test Bandwidth = 15

6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0

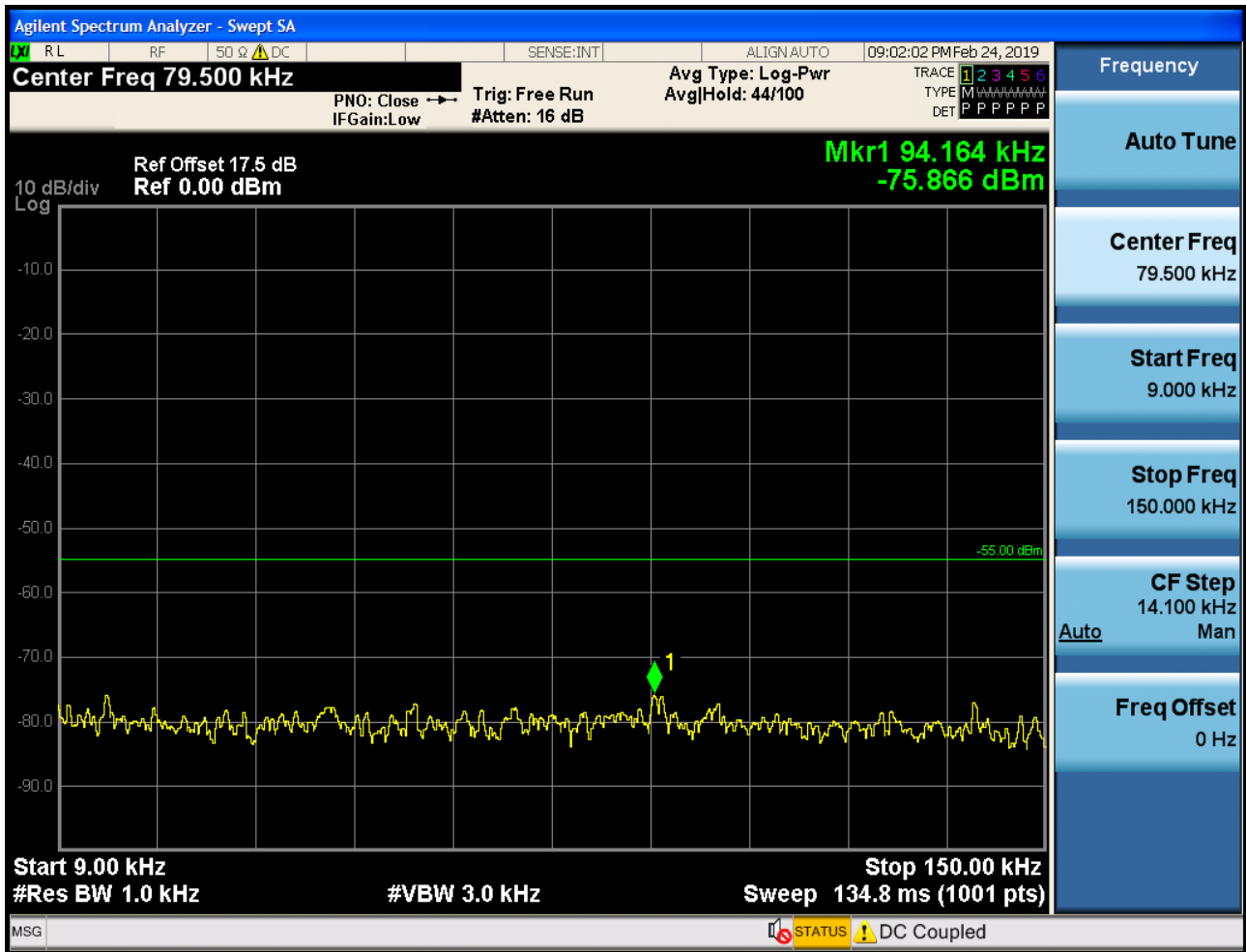


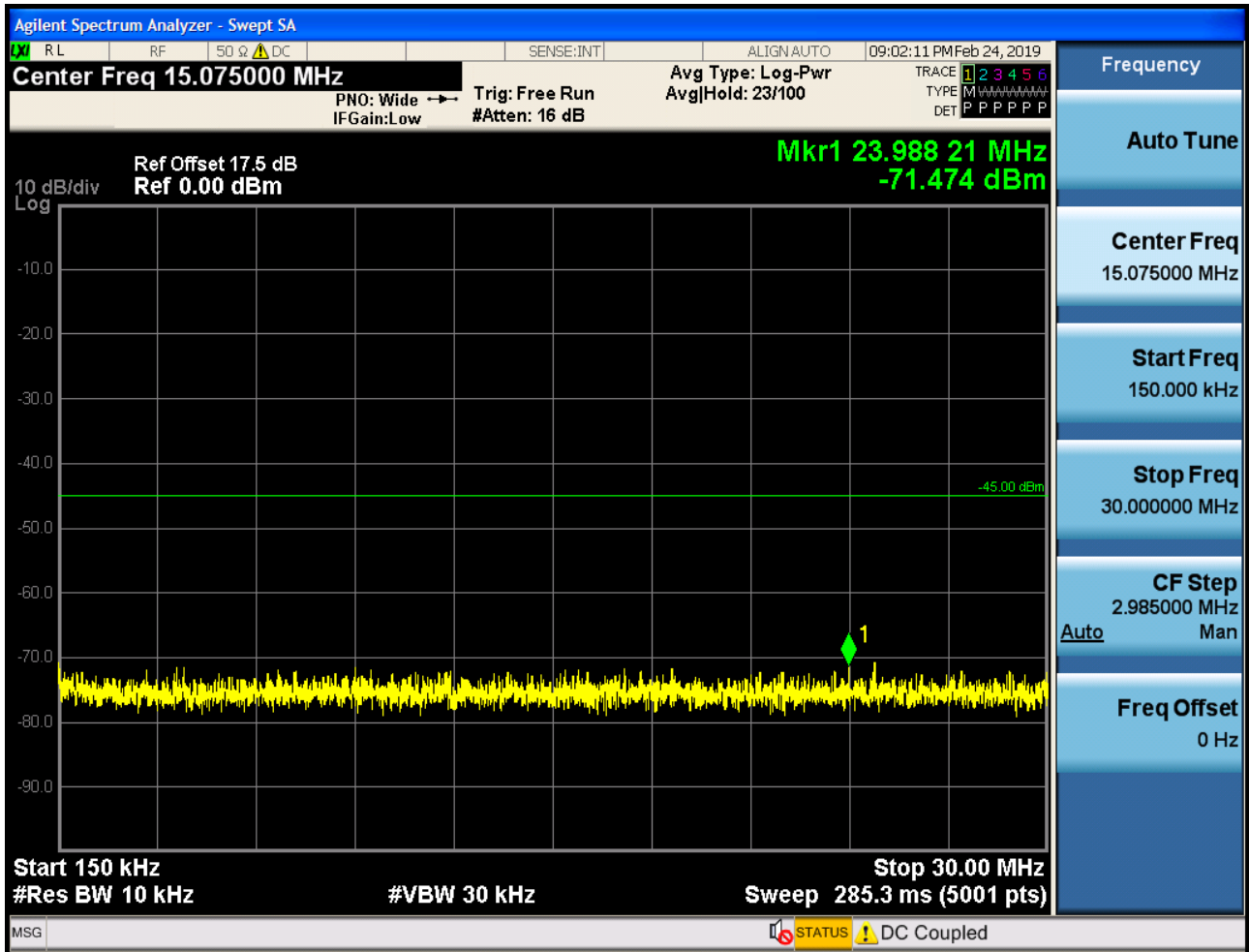




6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0

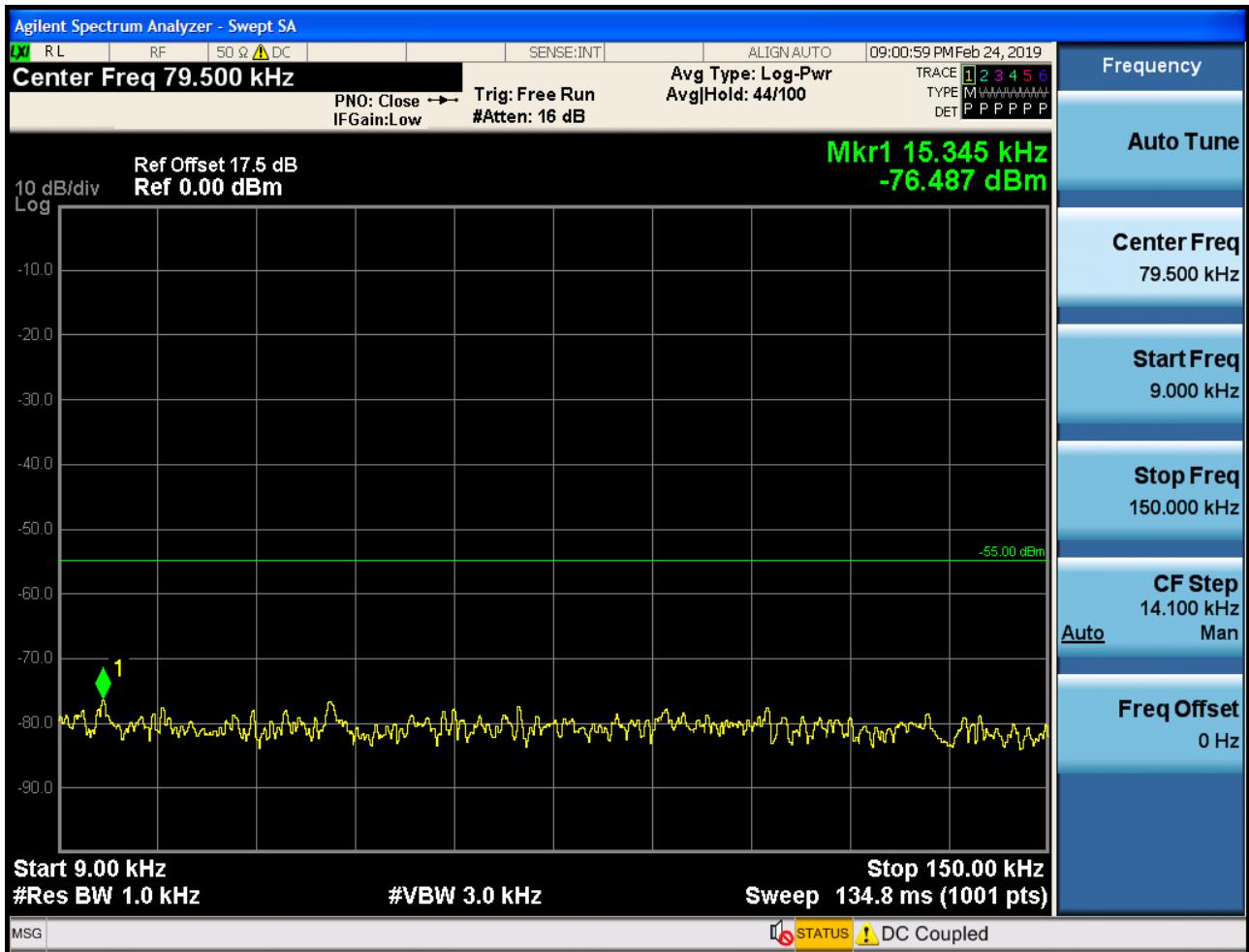


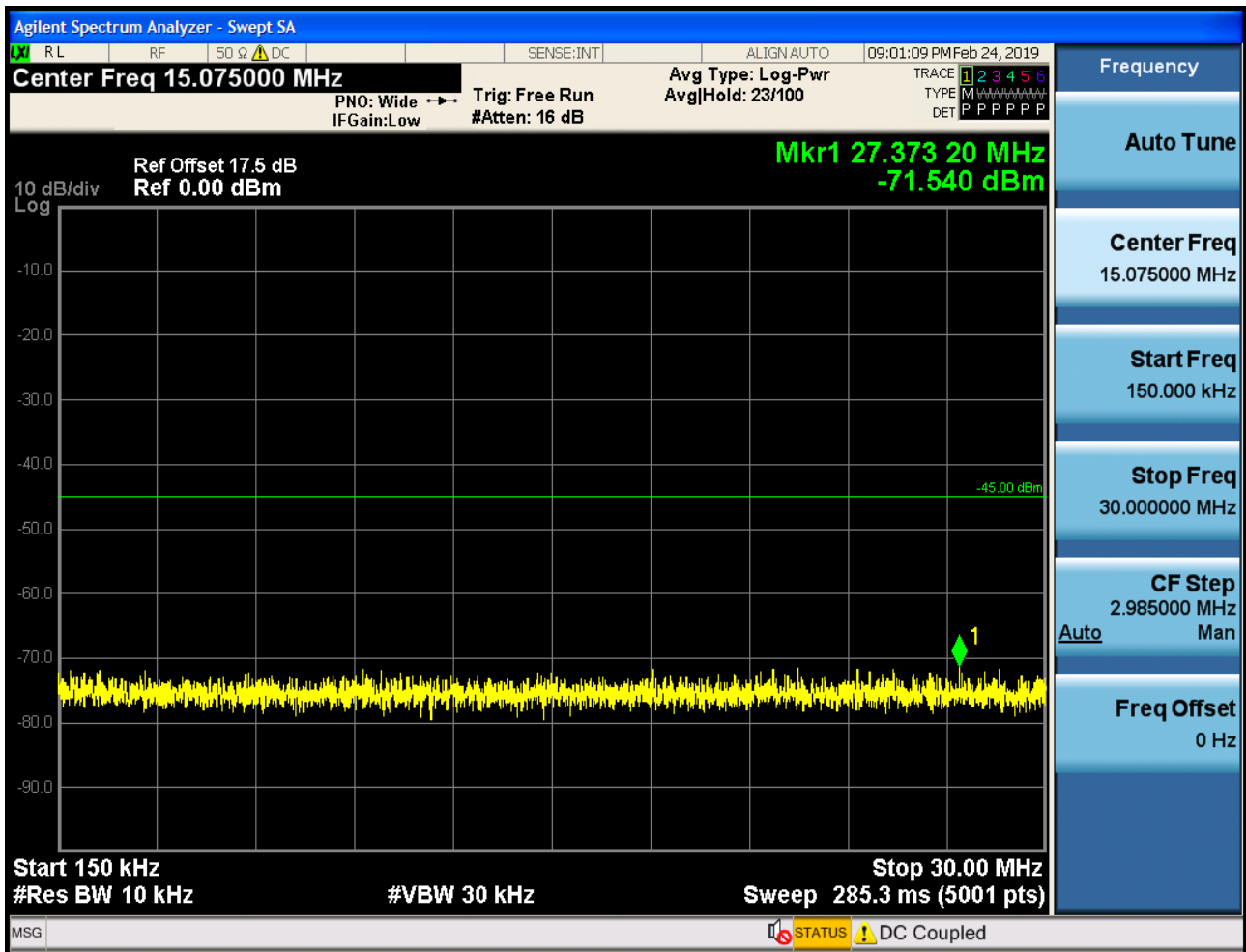


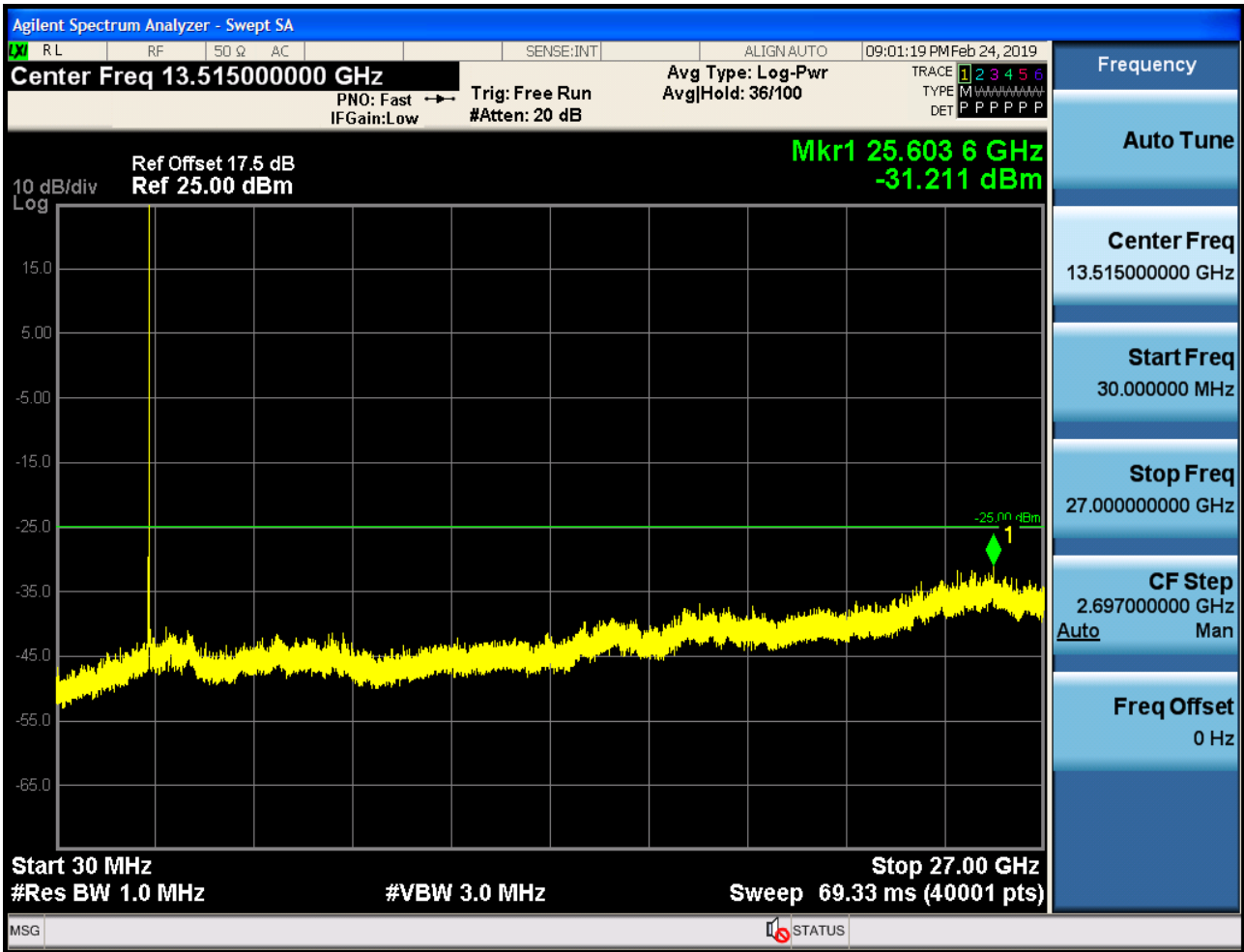


6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0



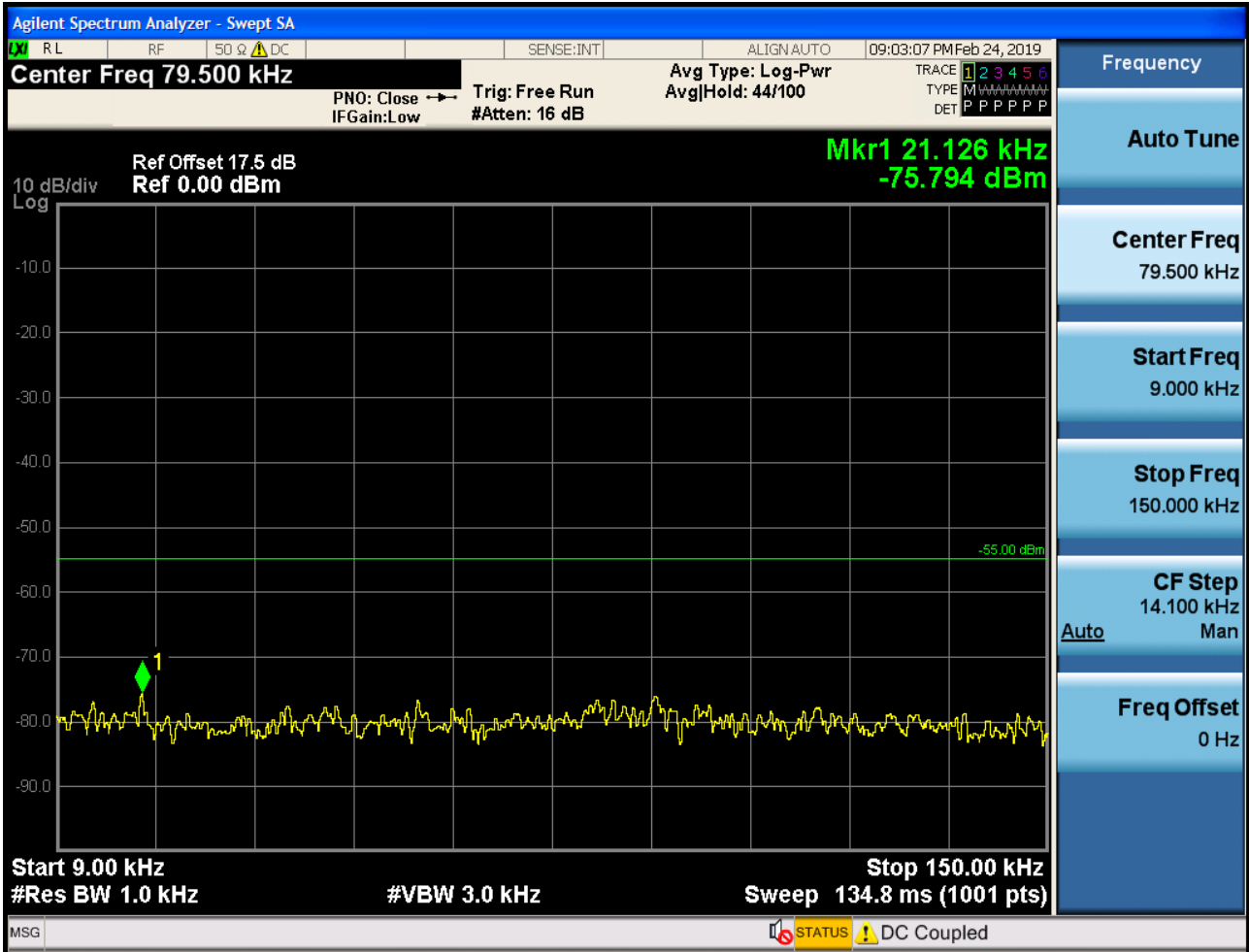


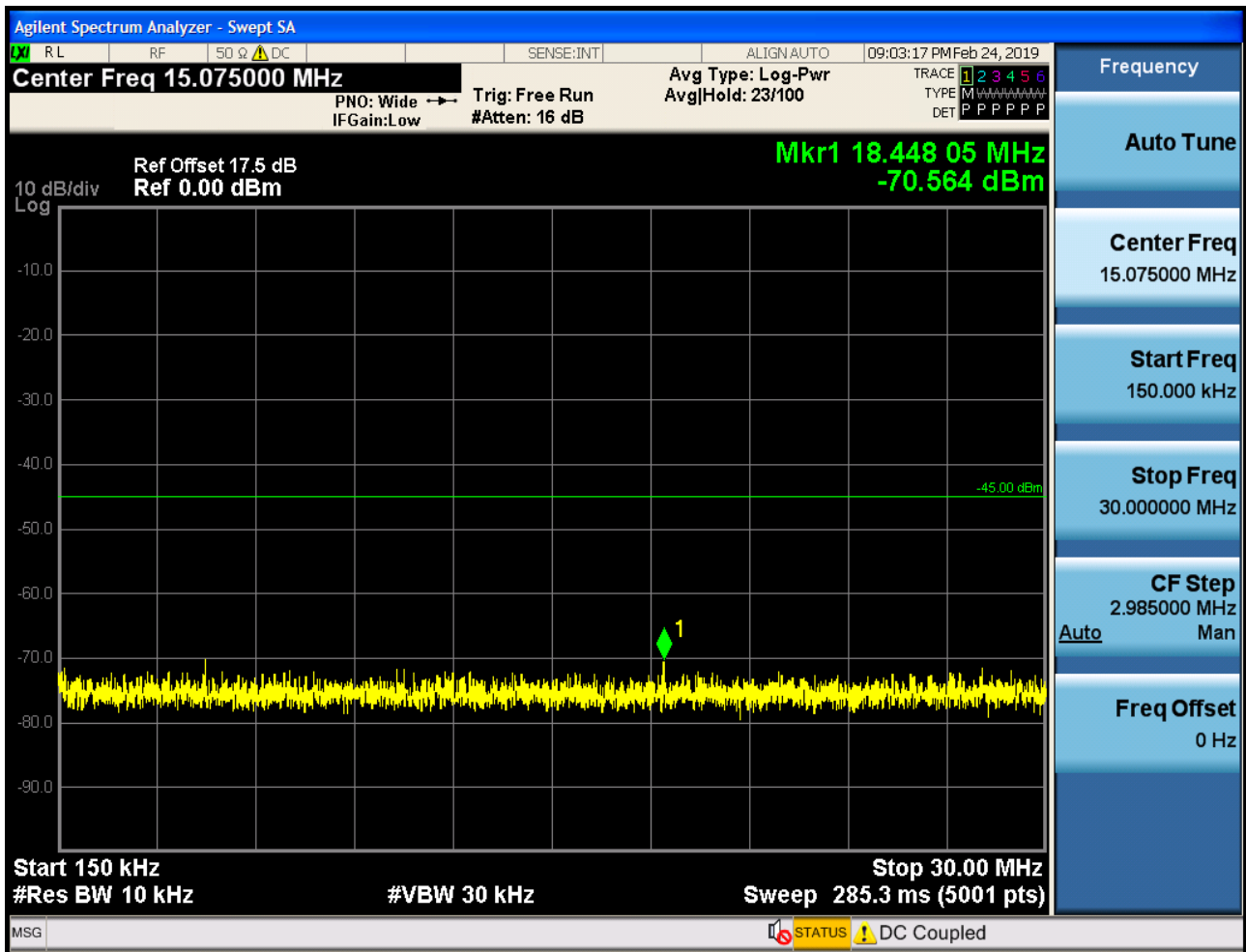


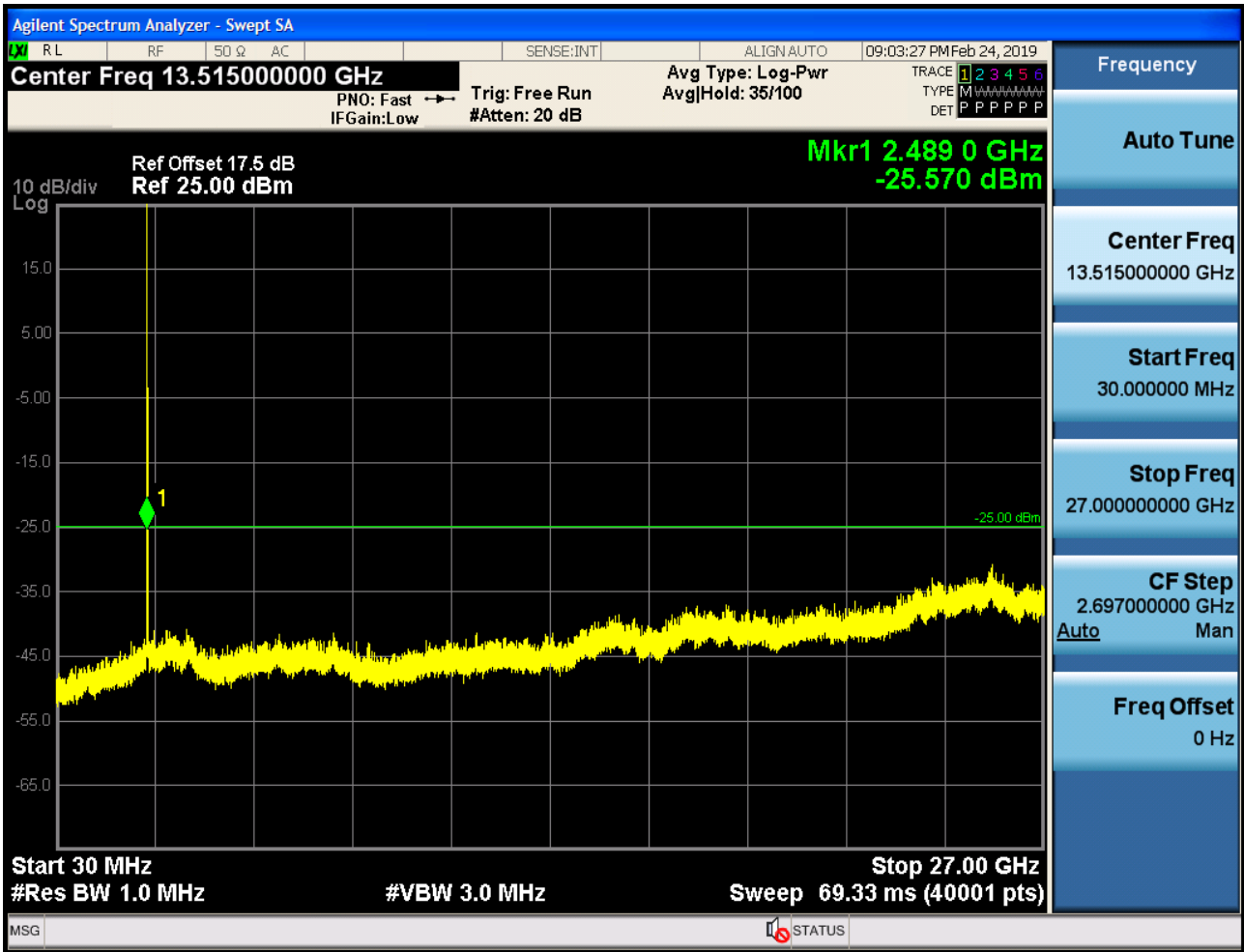
6.2.1.1.4 Test Bandwidth = 20

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0

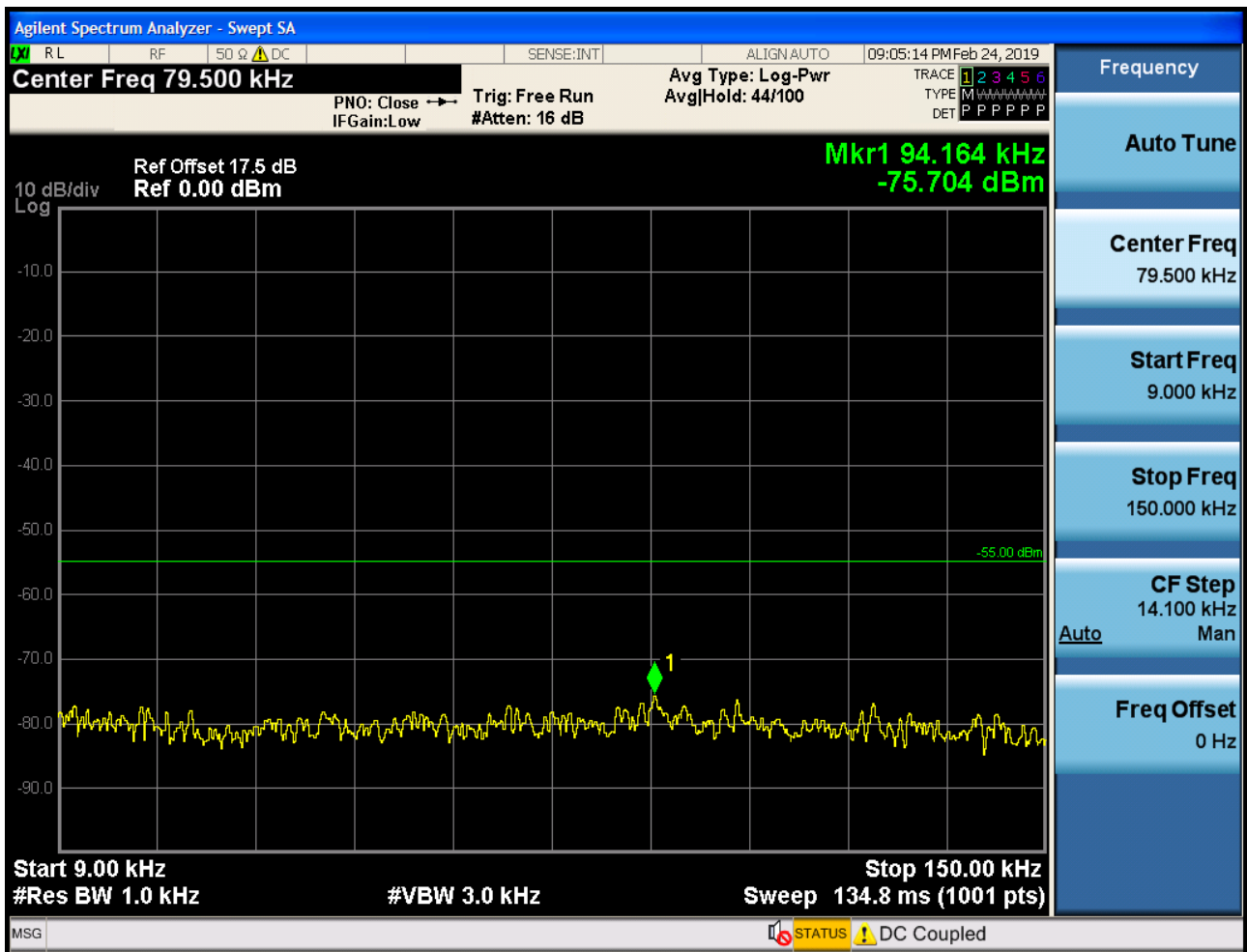


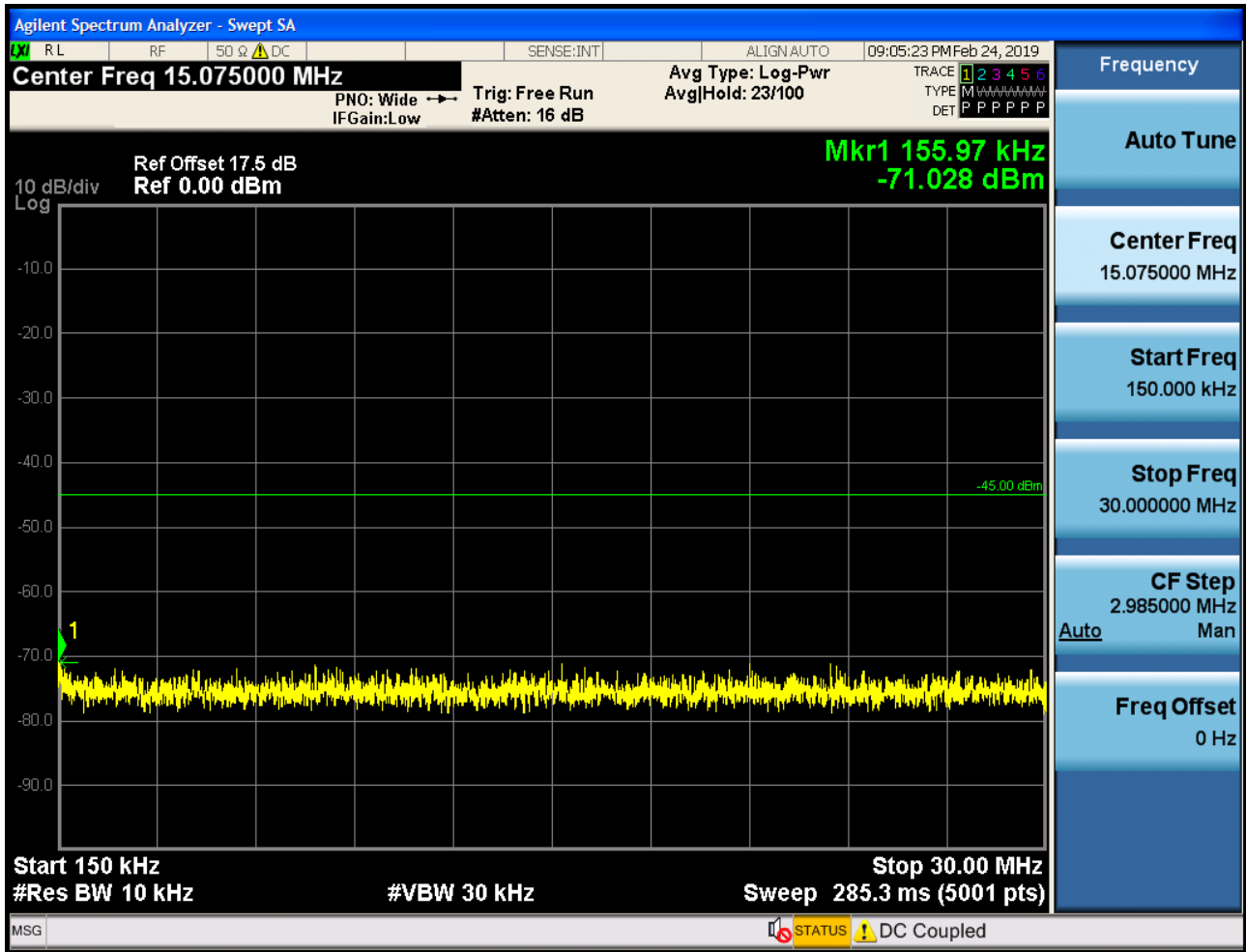


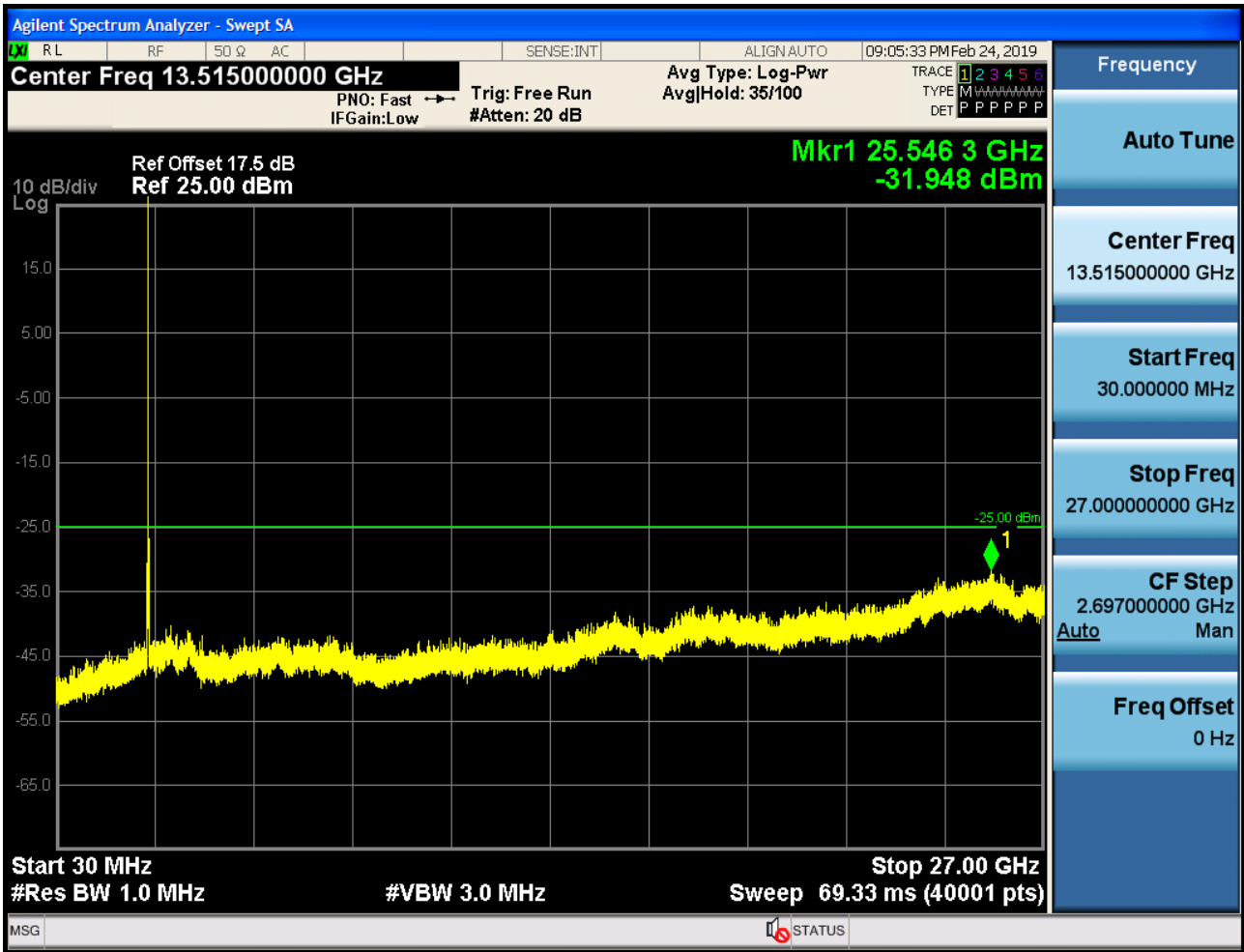


6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0

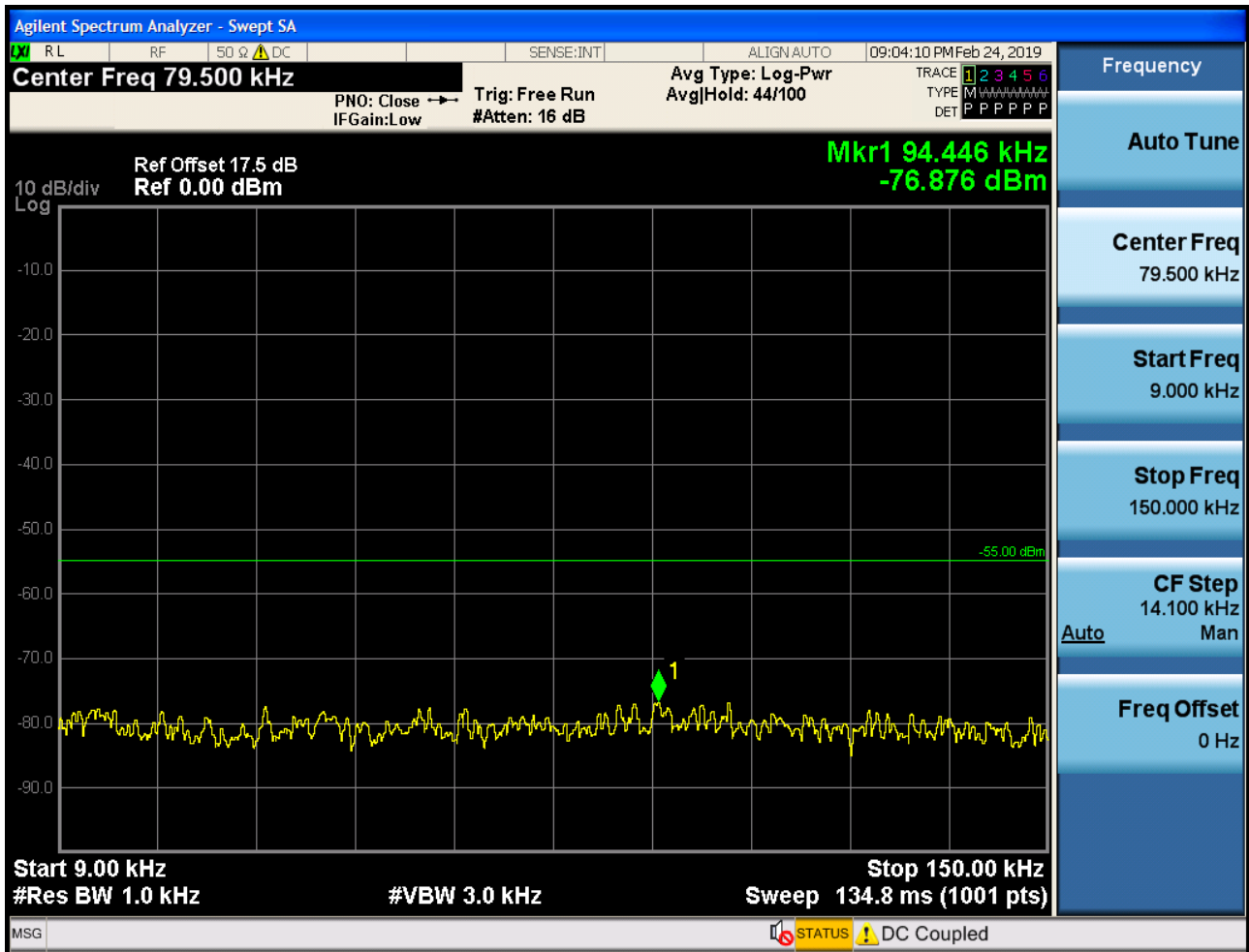


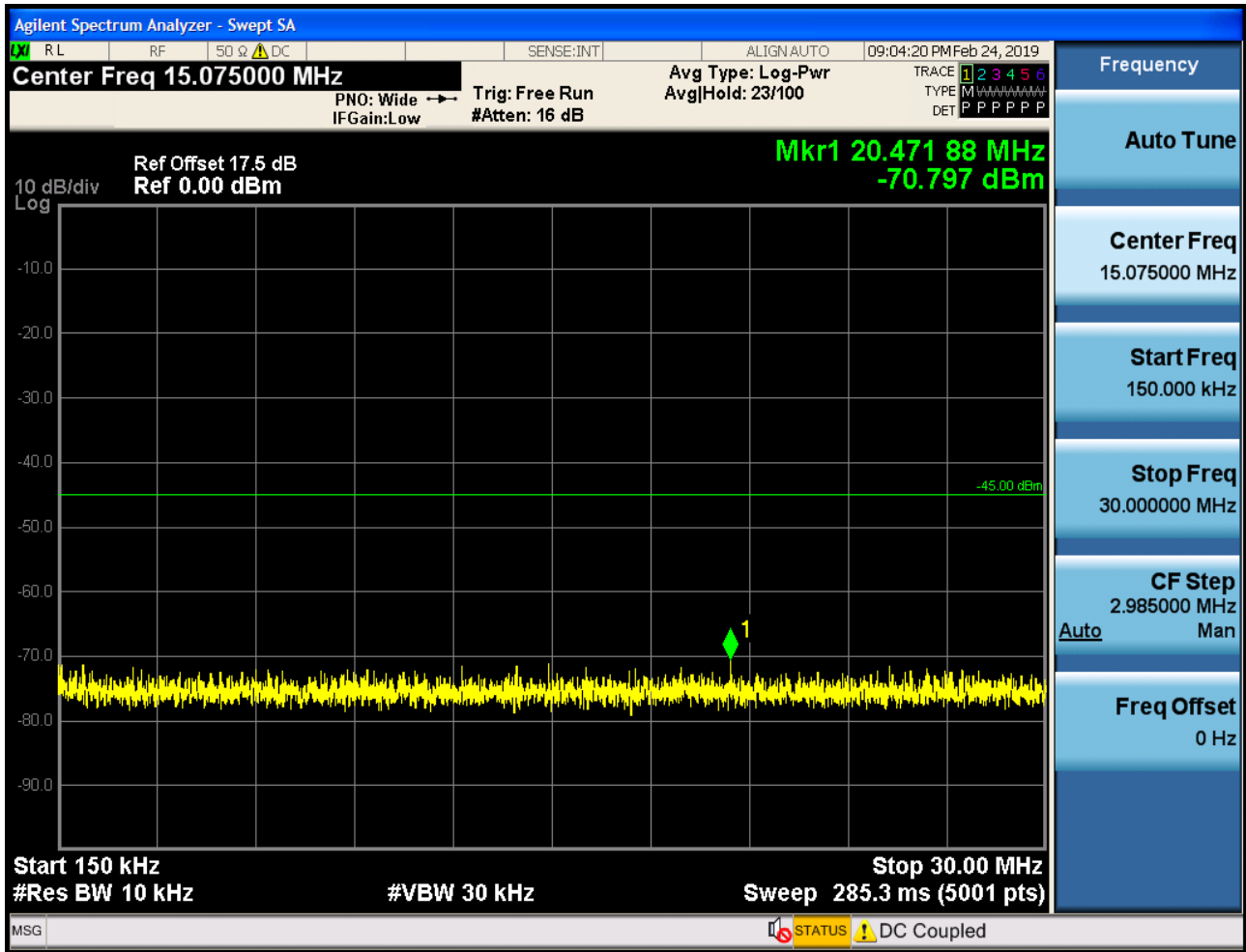


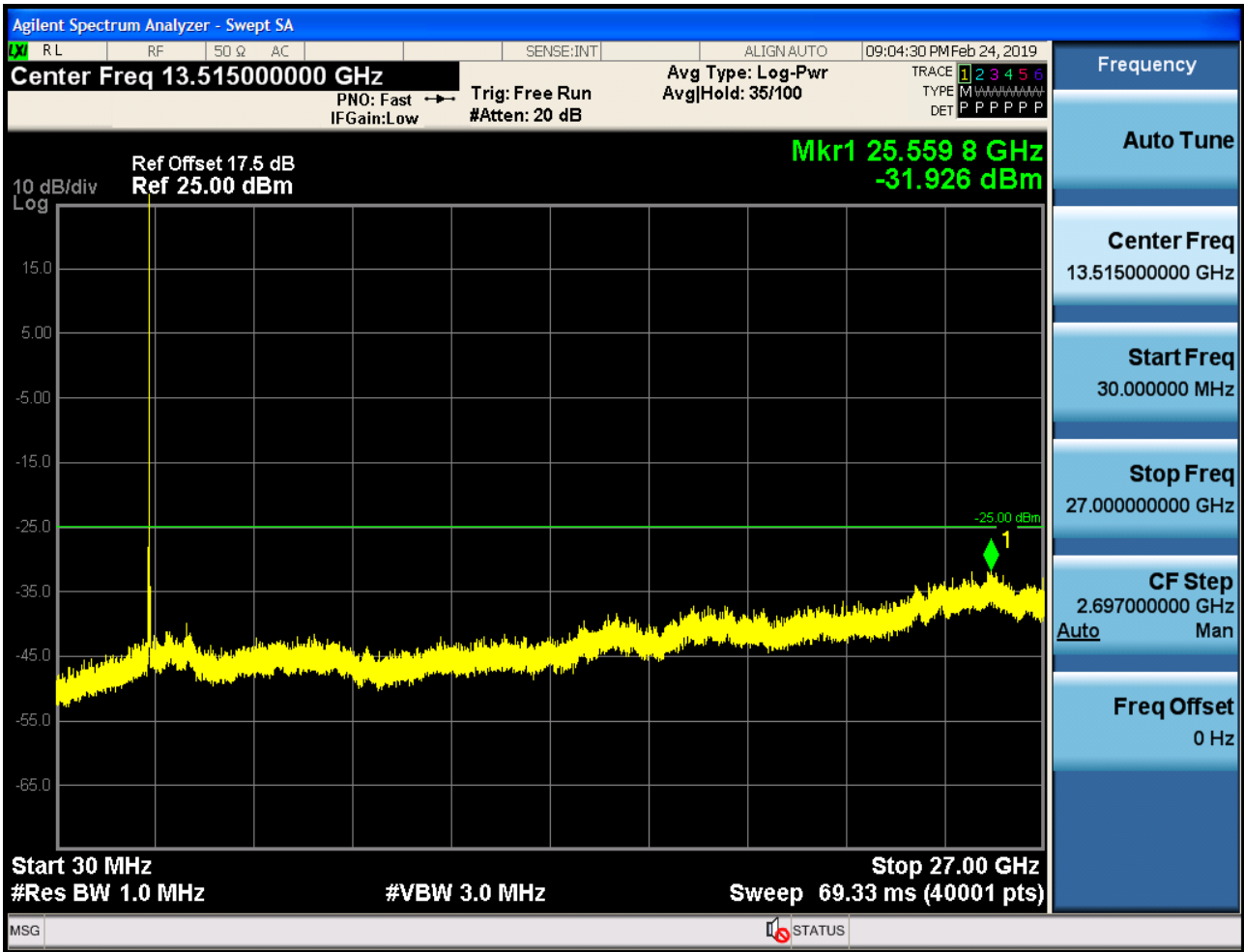


6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0





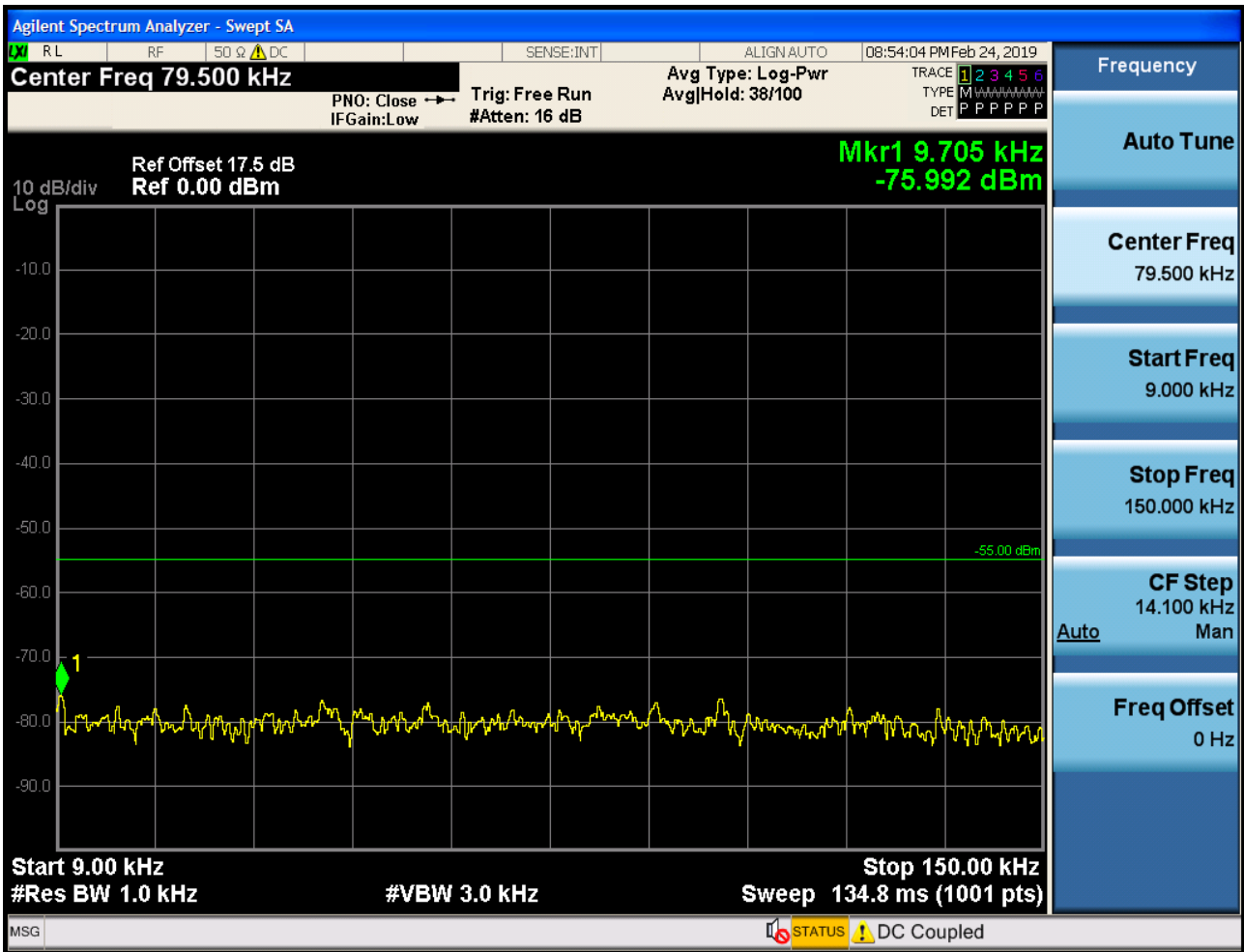


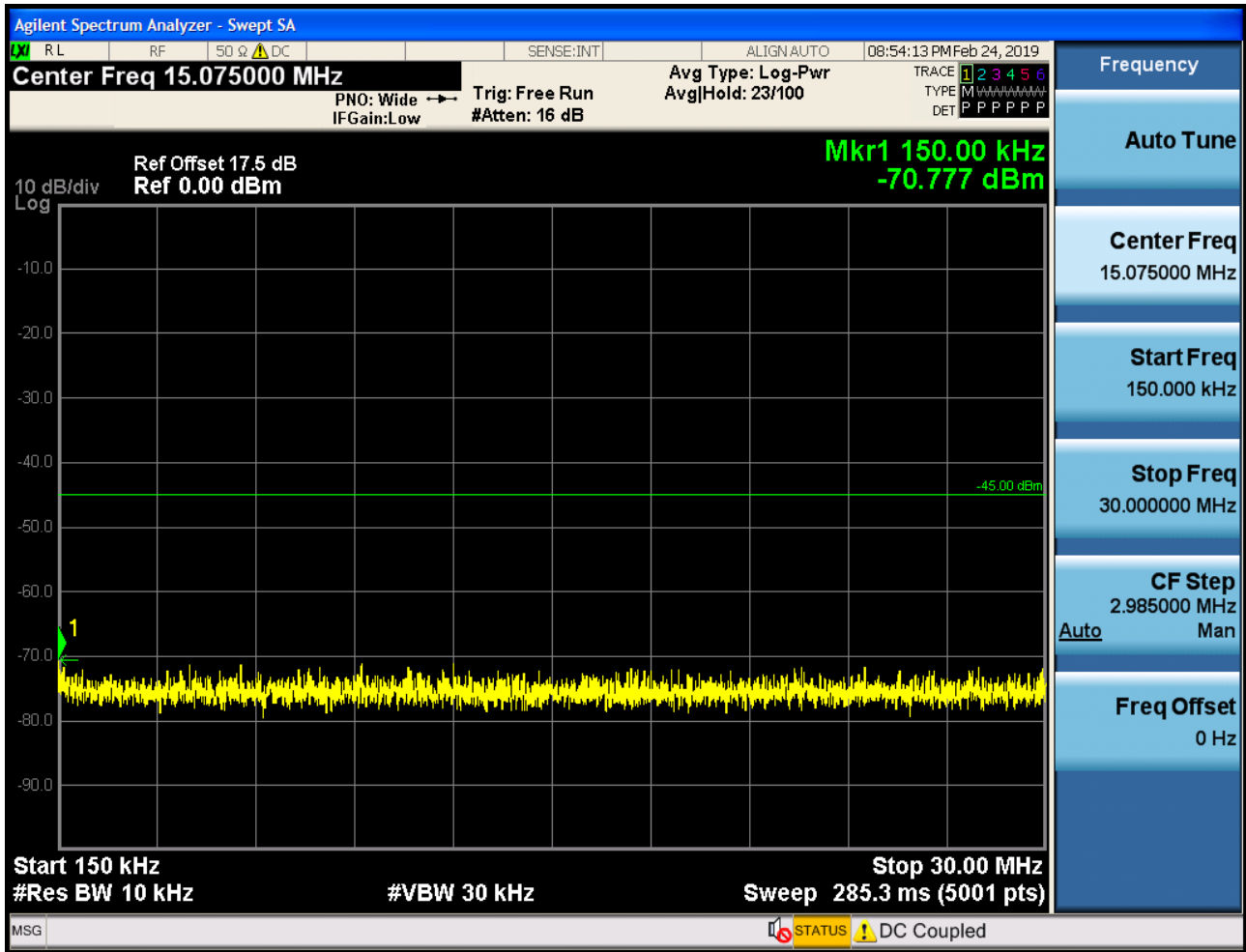
6.2.1.2 Test Mode = LTE/TM2

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

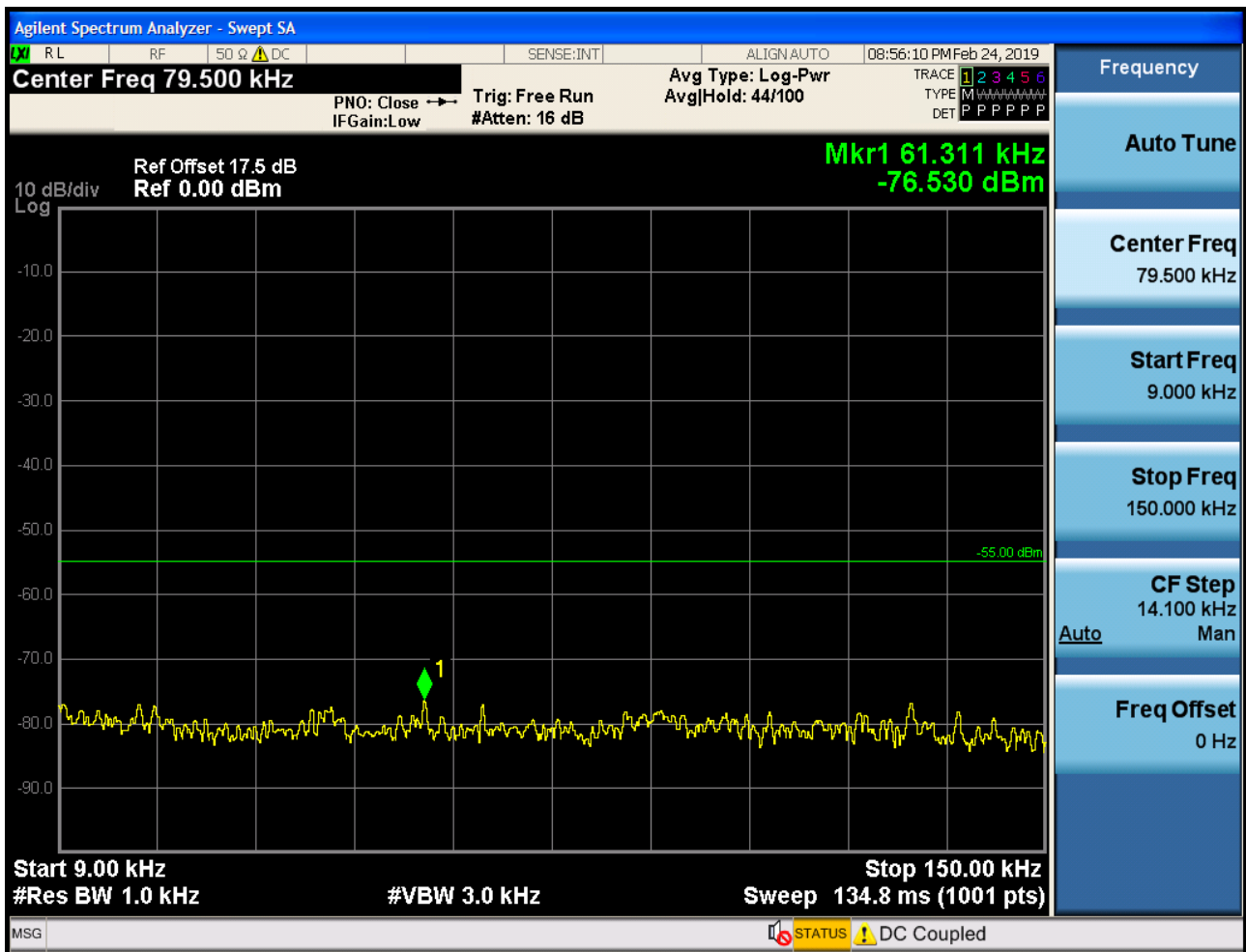


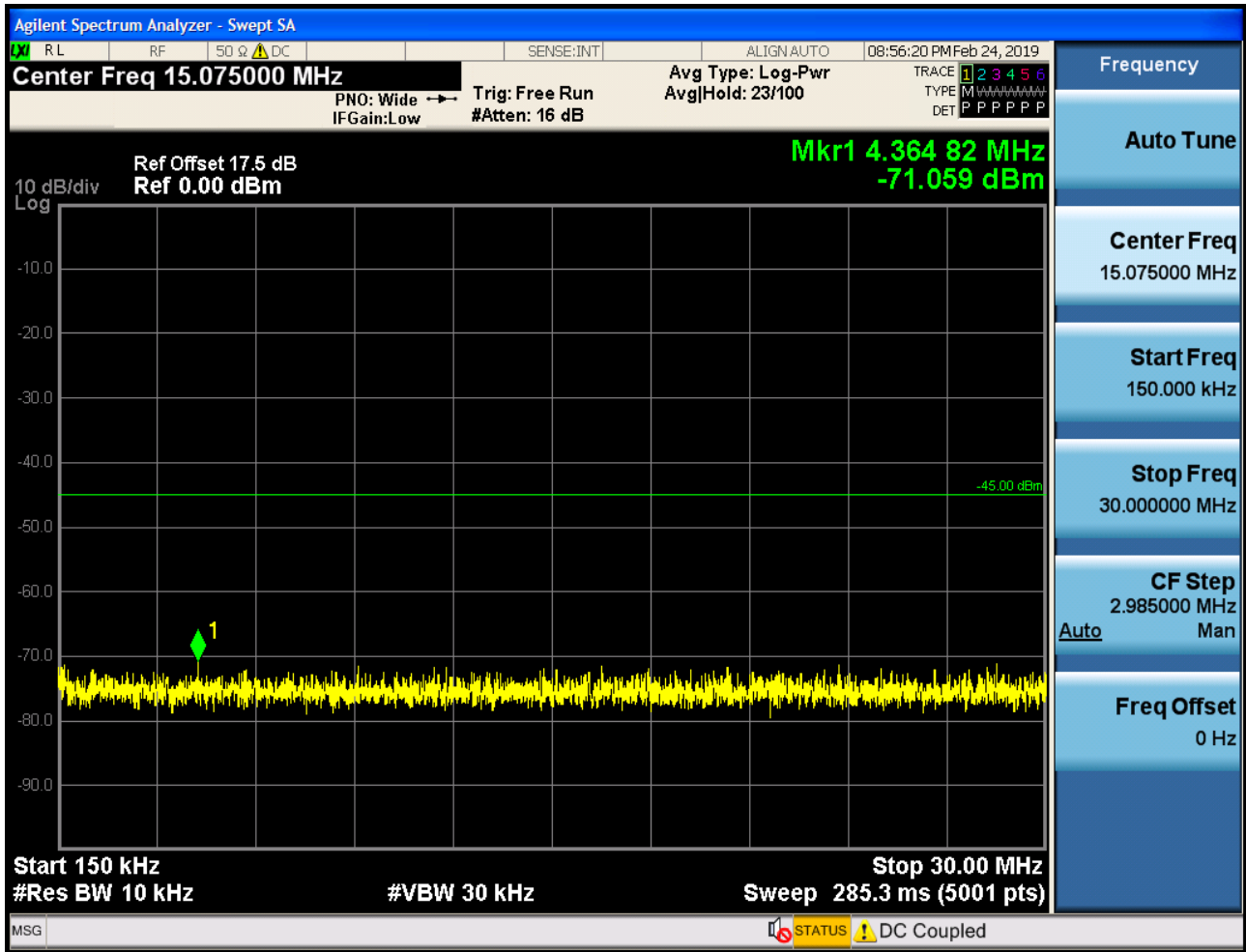


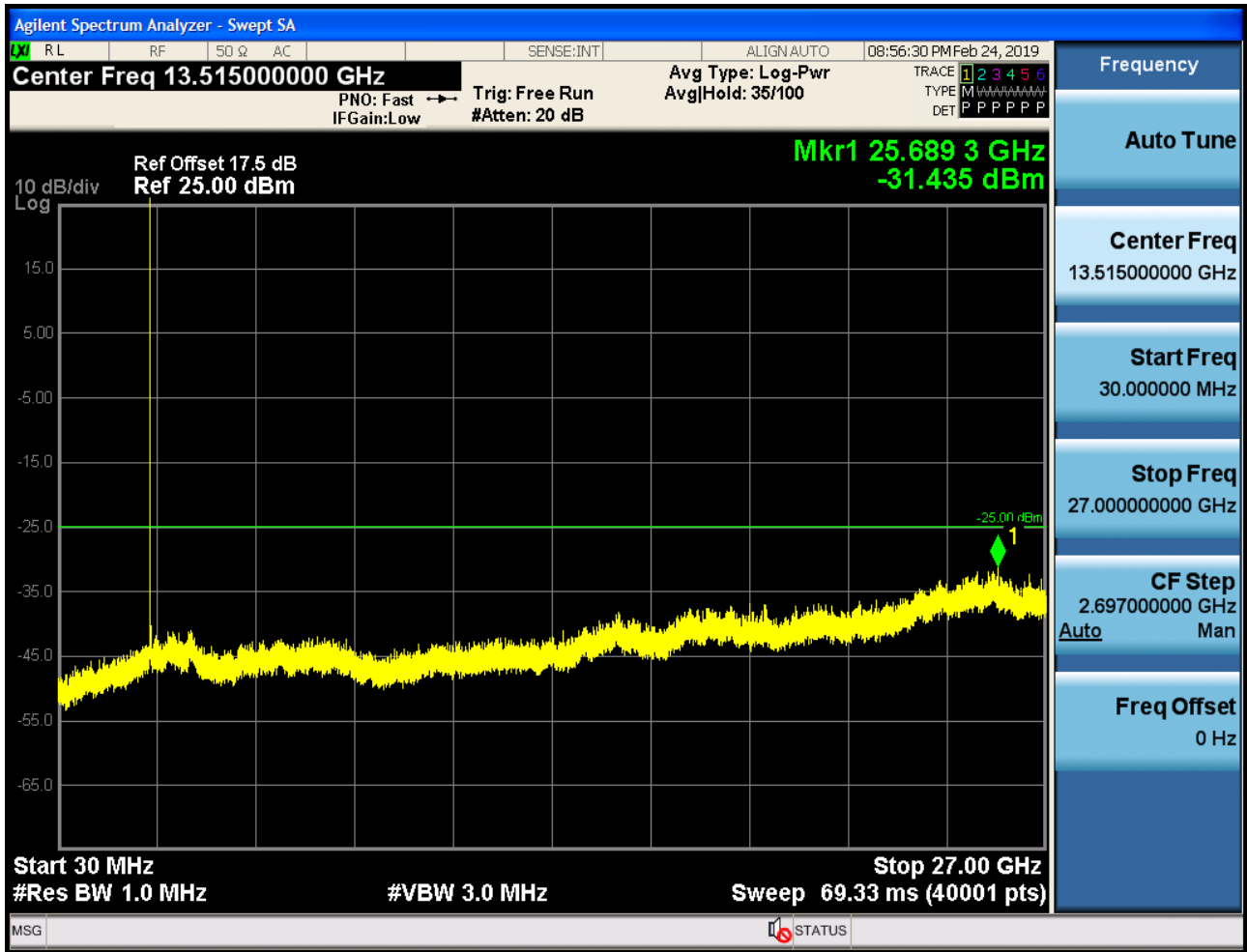


6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0

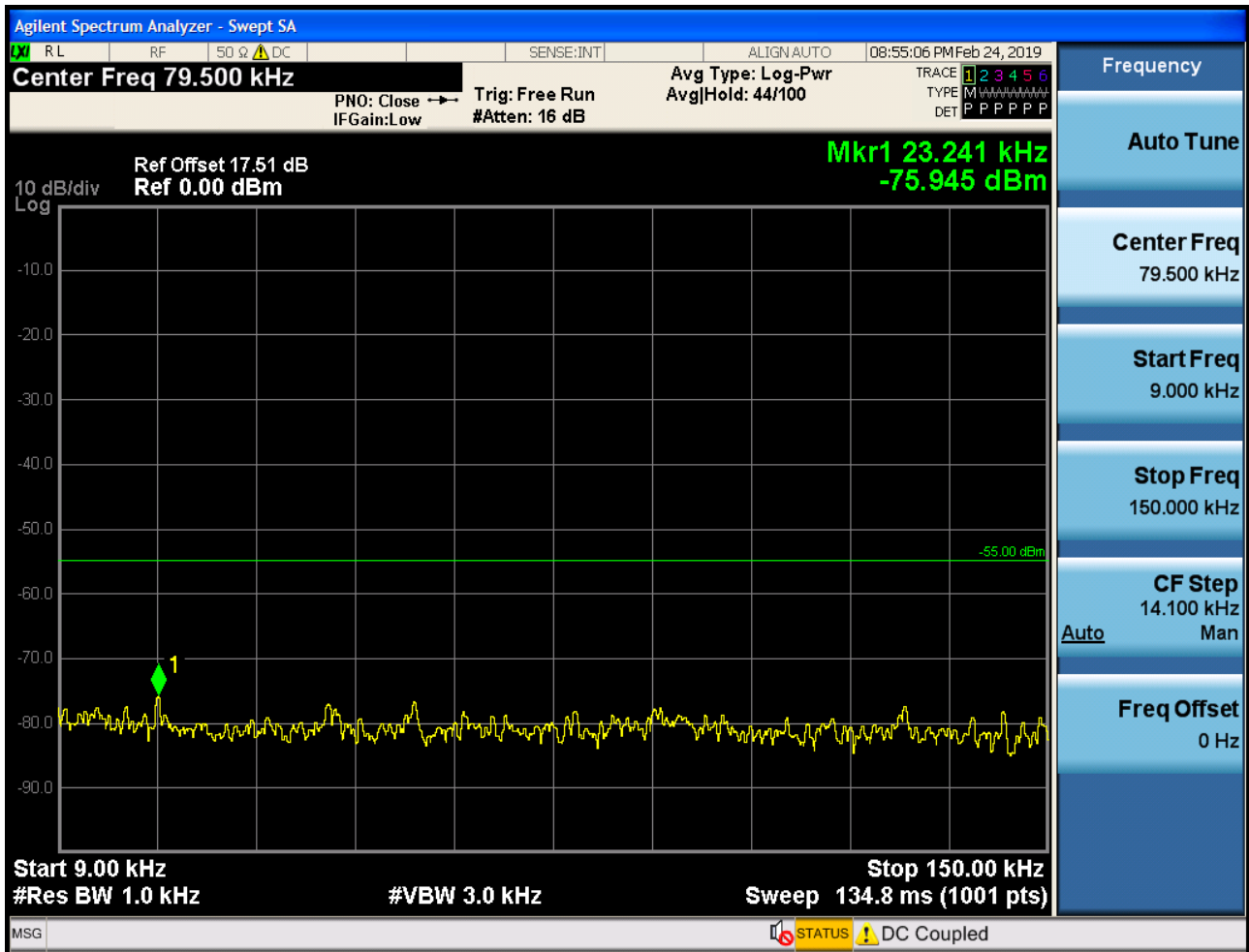


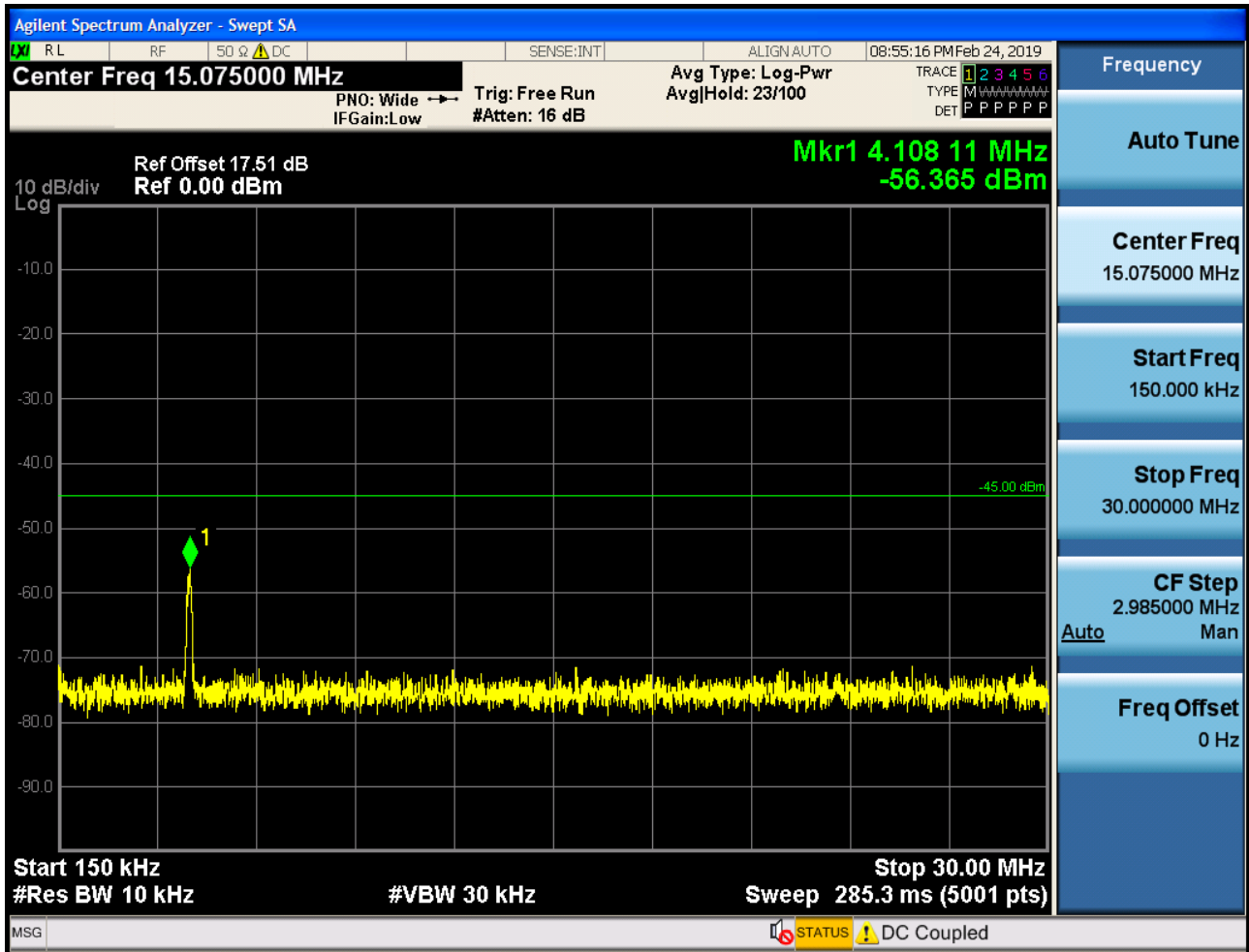


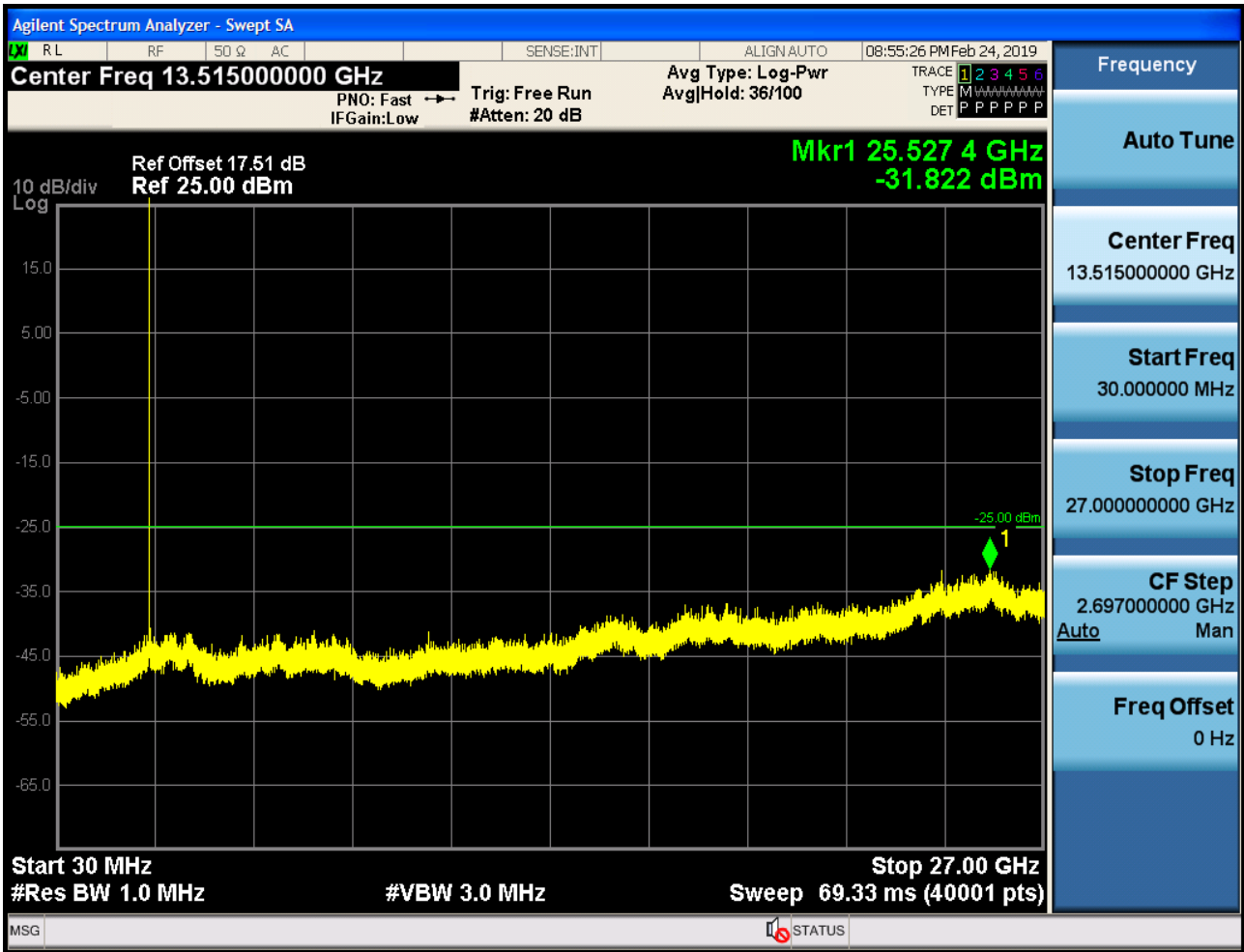


6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0





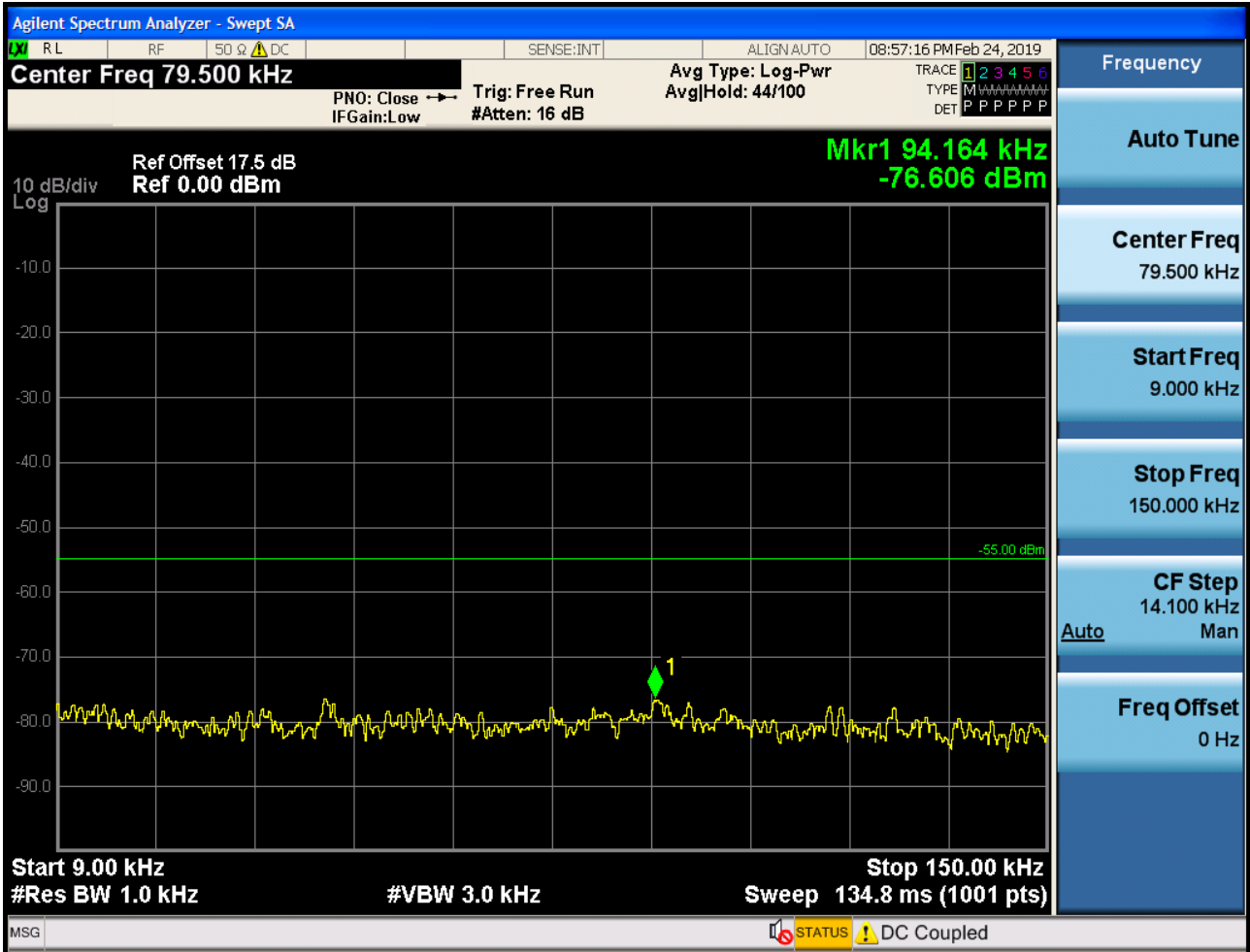


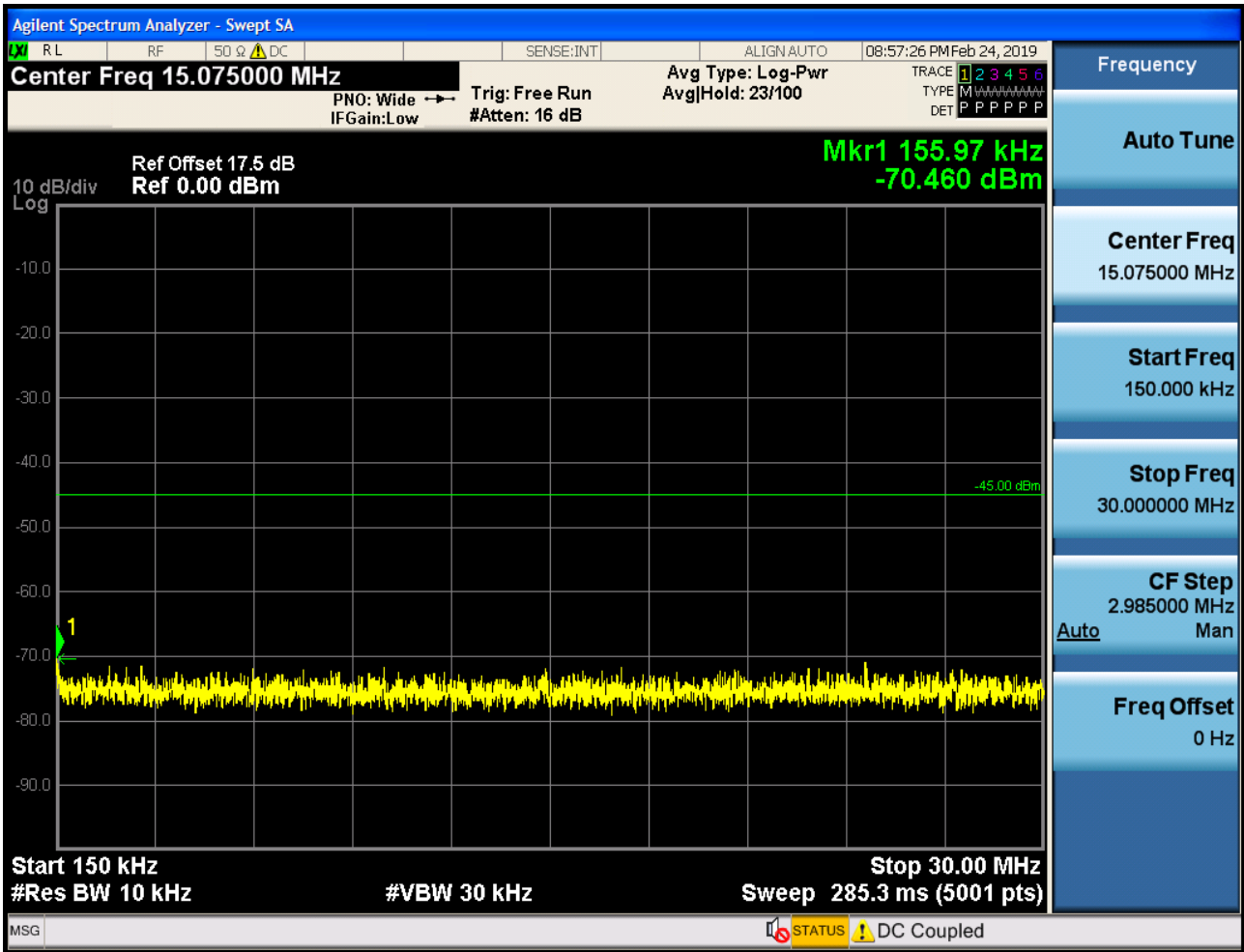


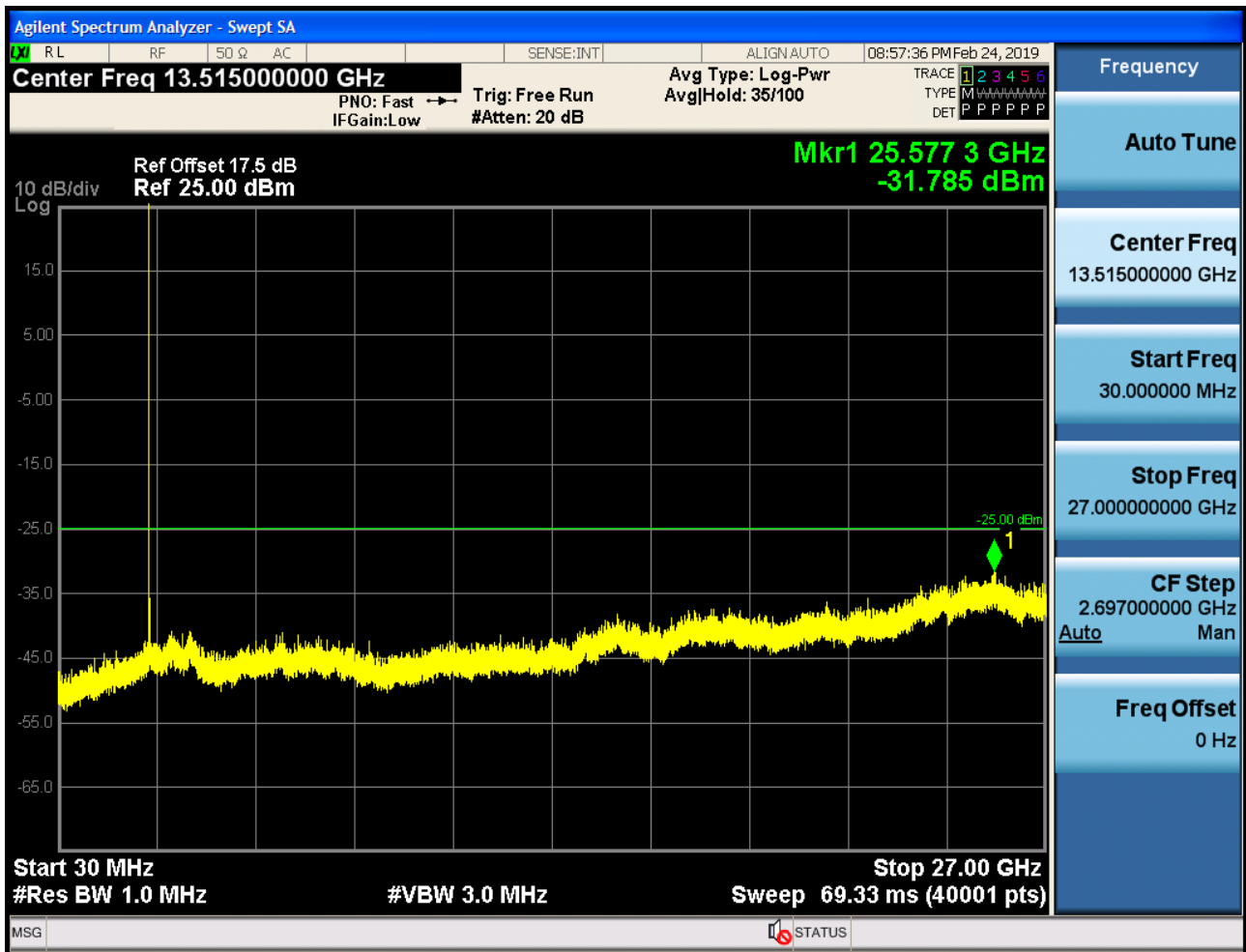
6.2.1.2.2 Test Bandwidth = 10

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0

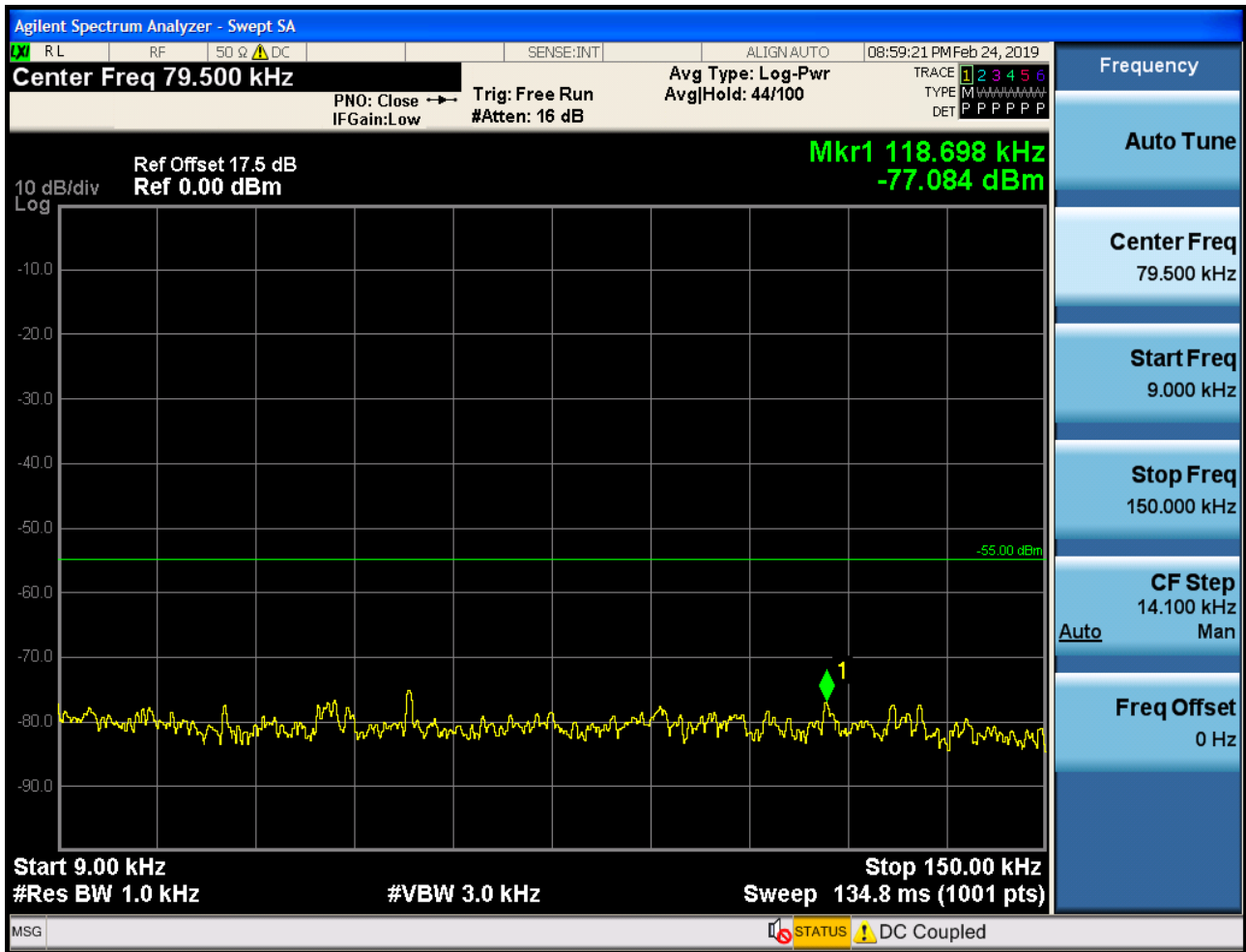


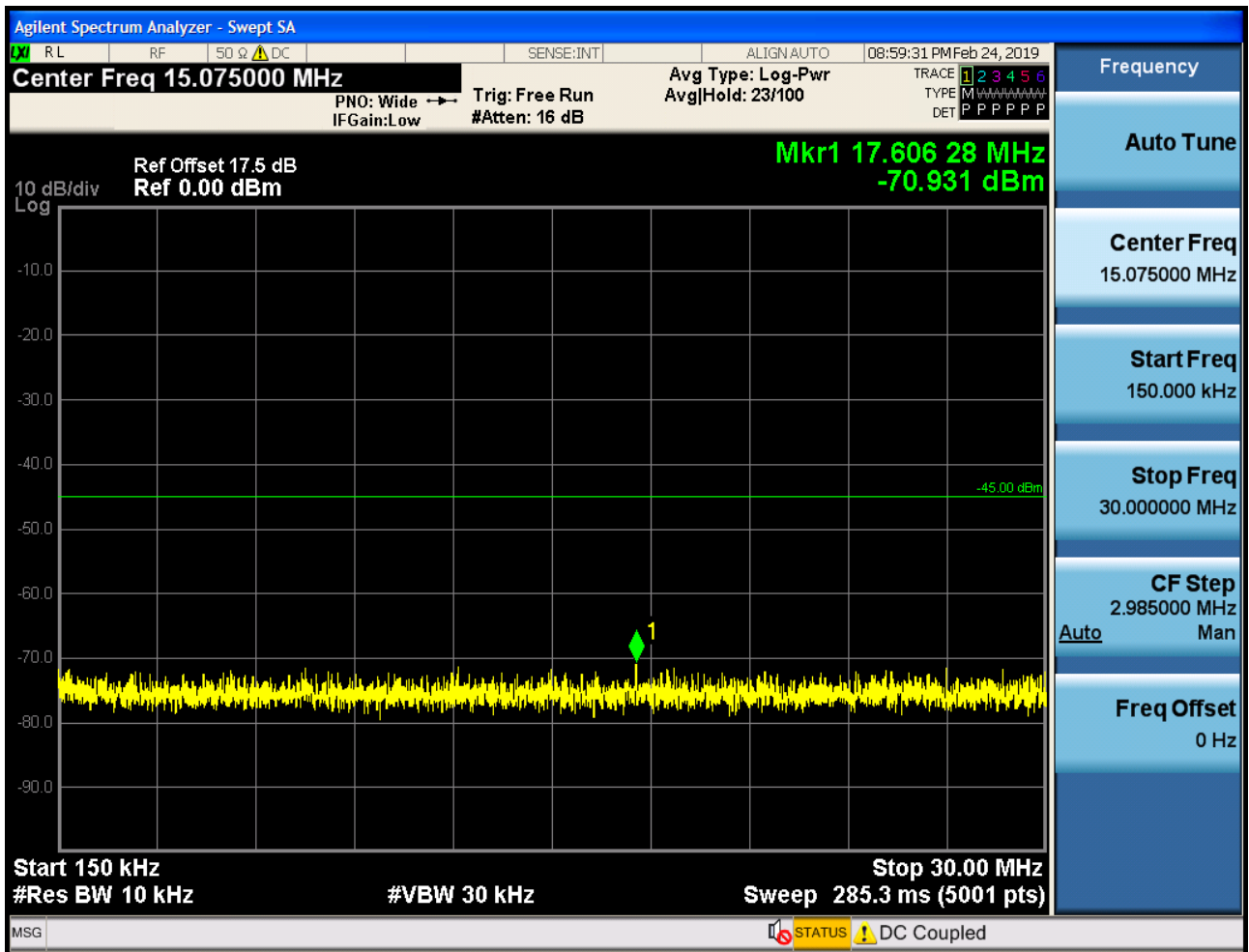


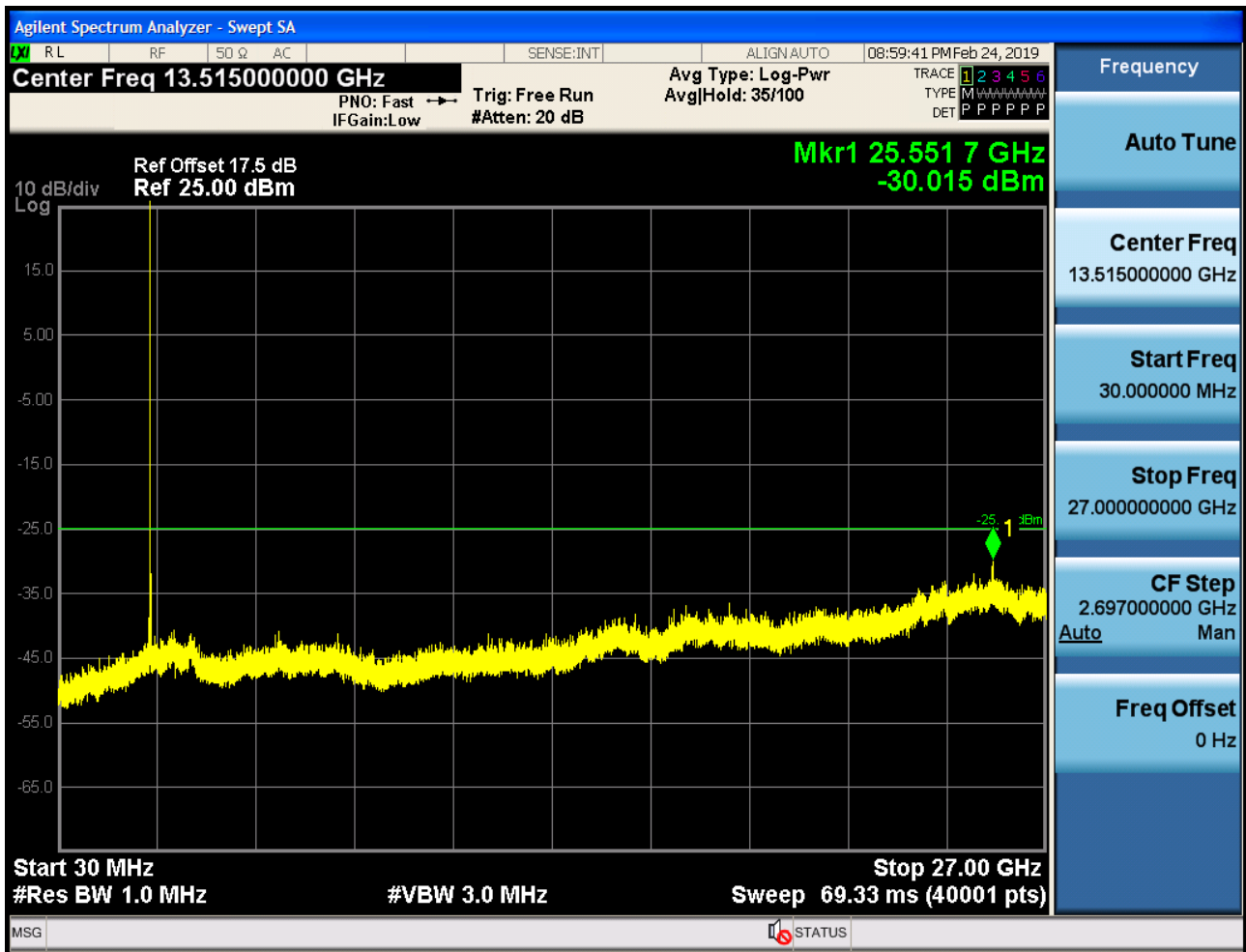


6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.1 Test RB = RB1#0

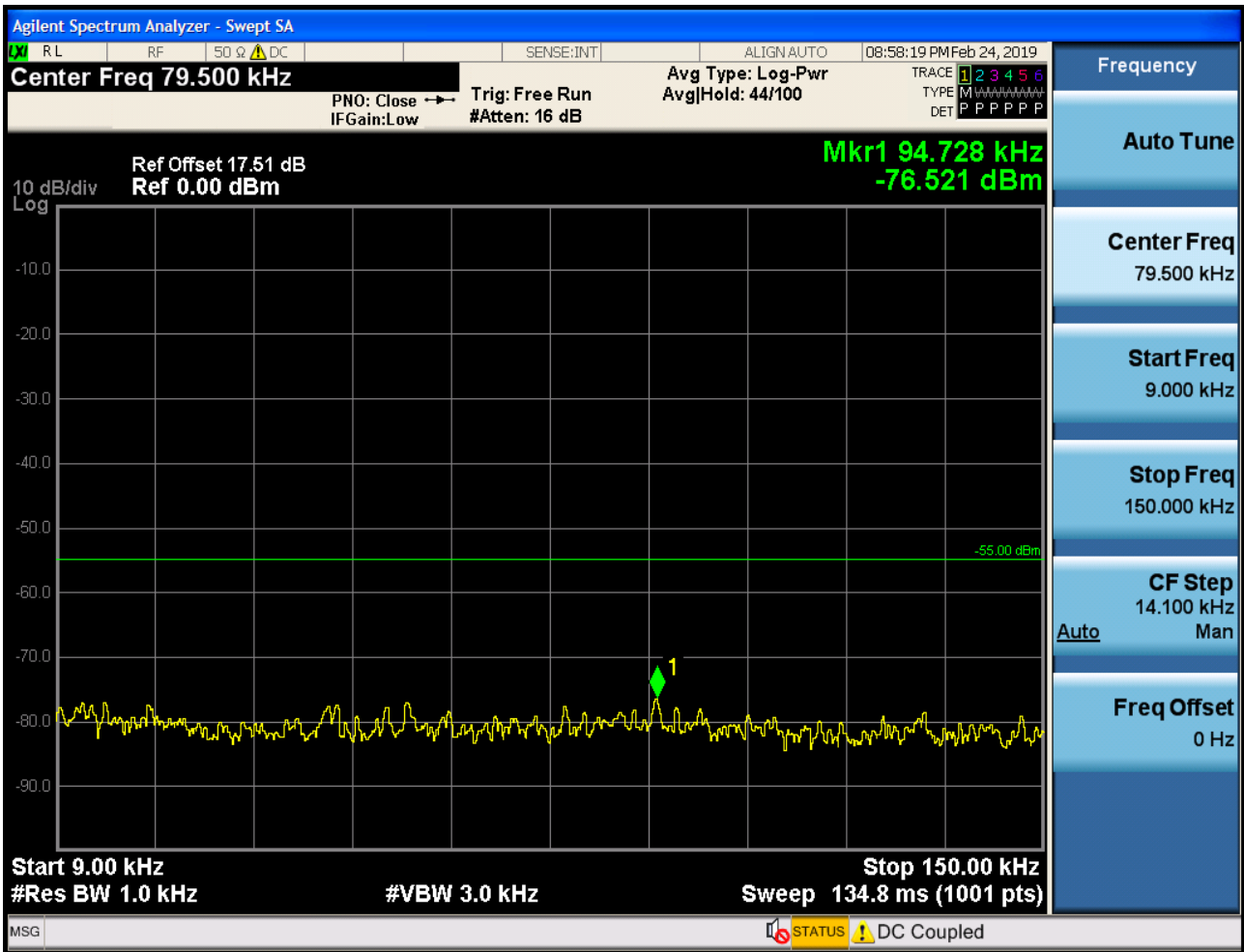


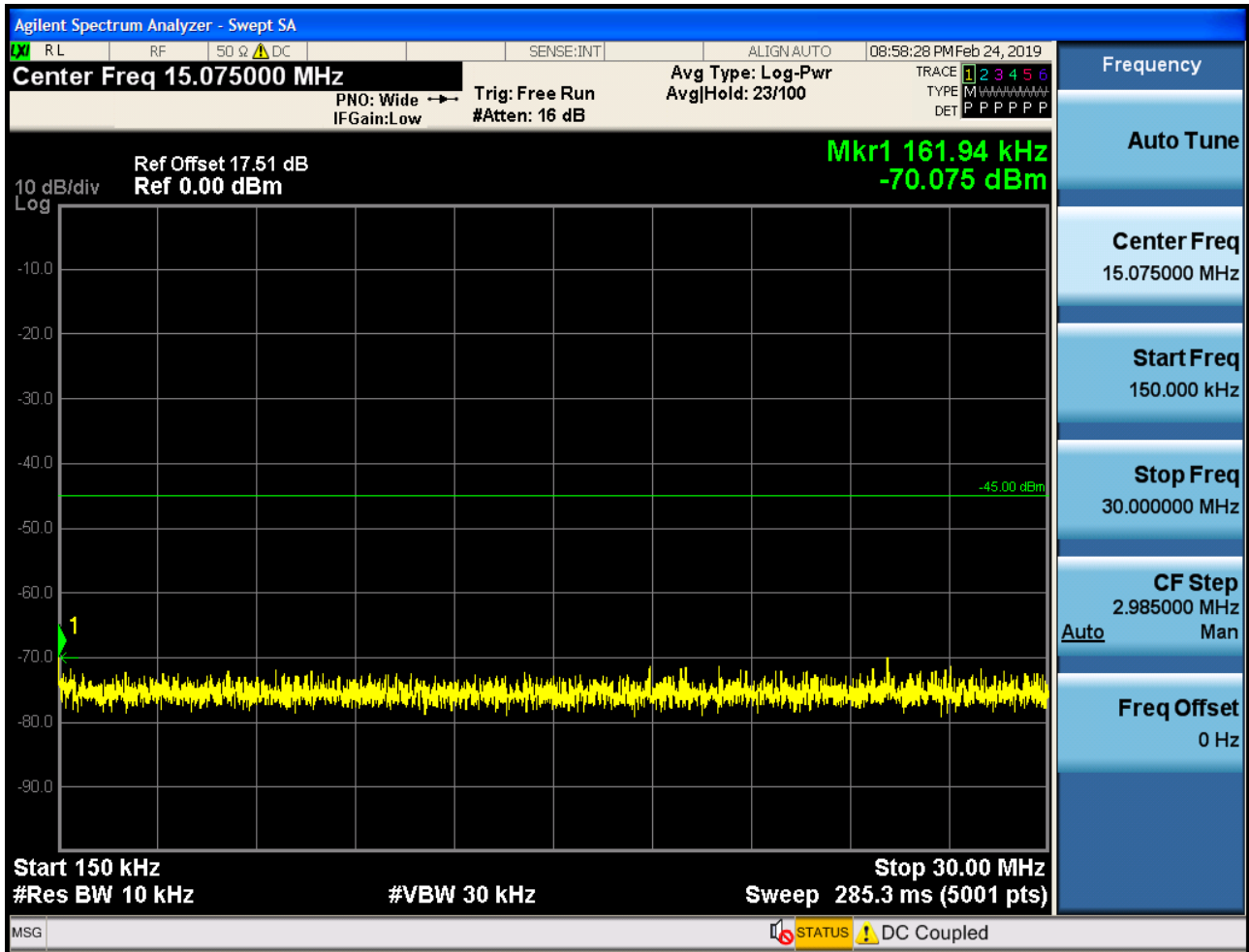


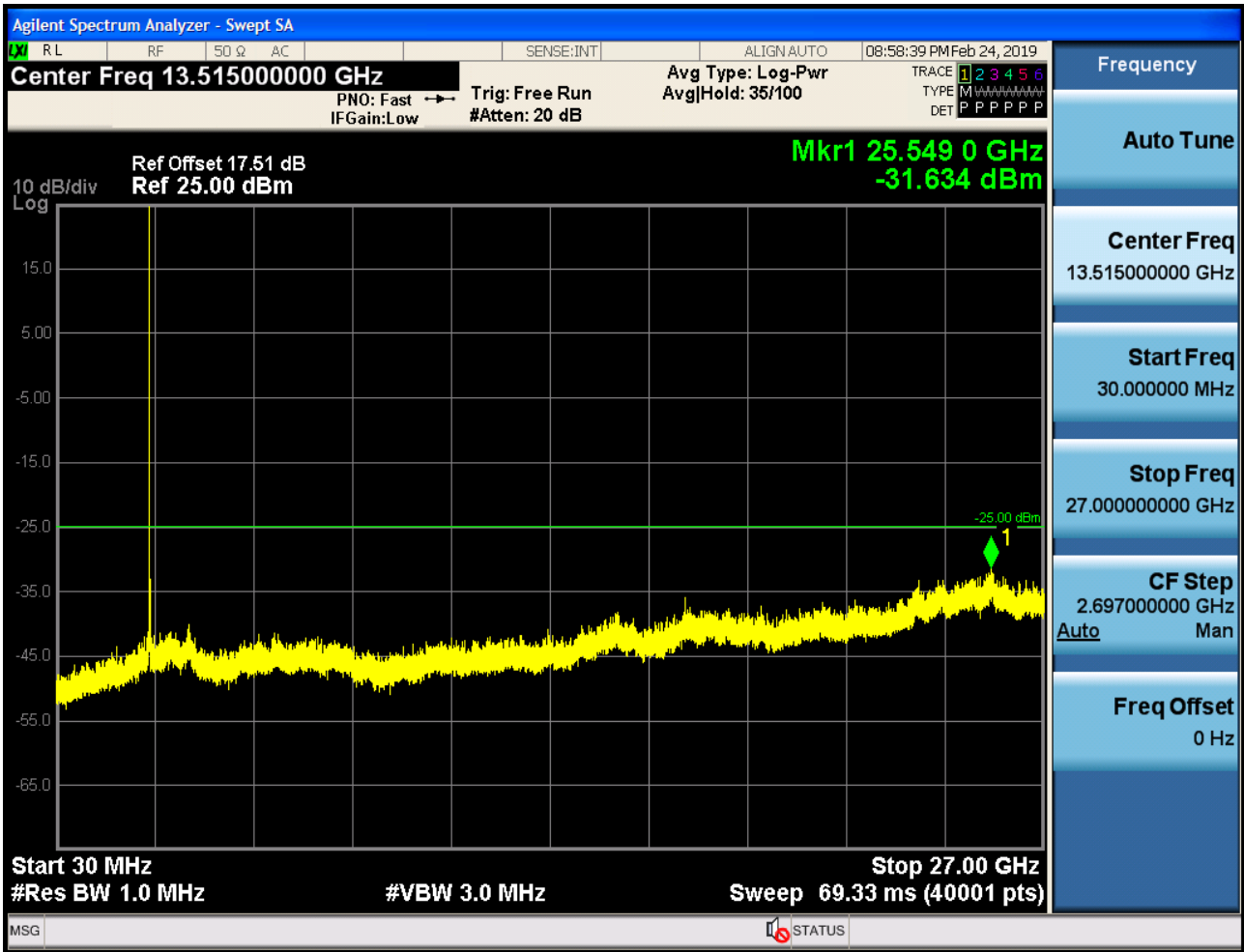


6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0



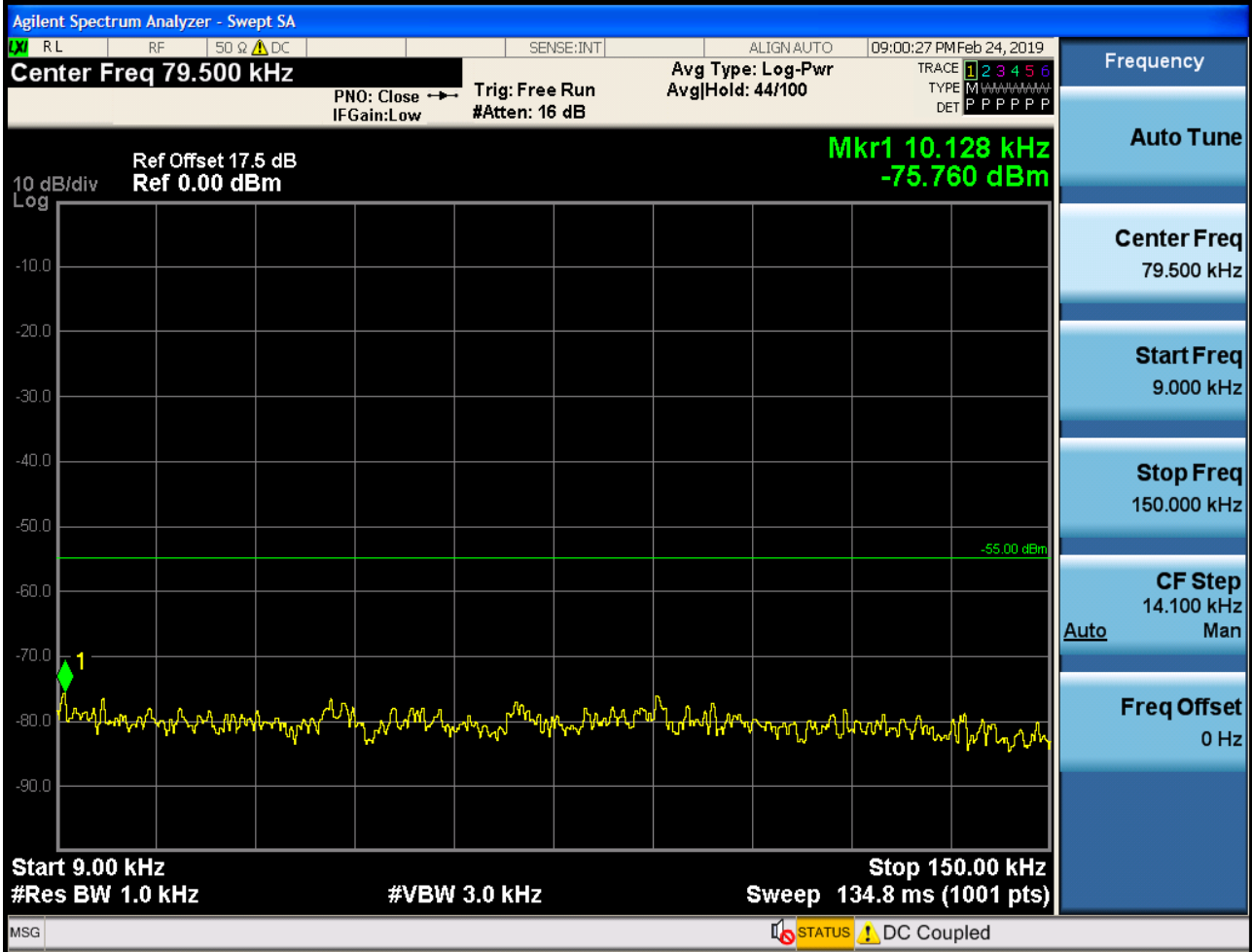


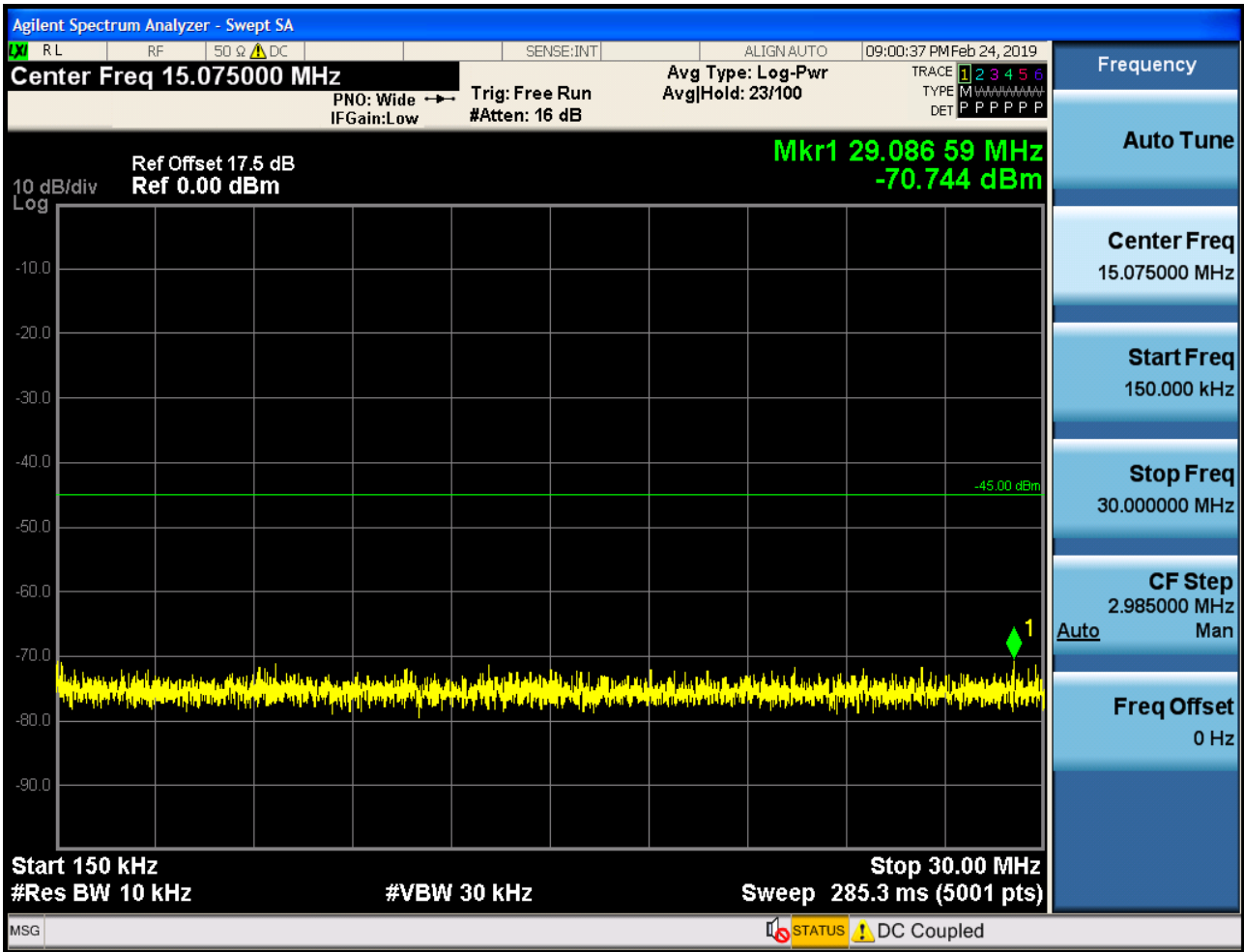


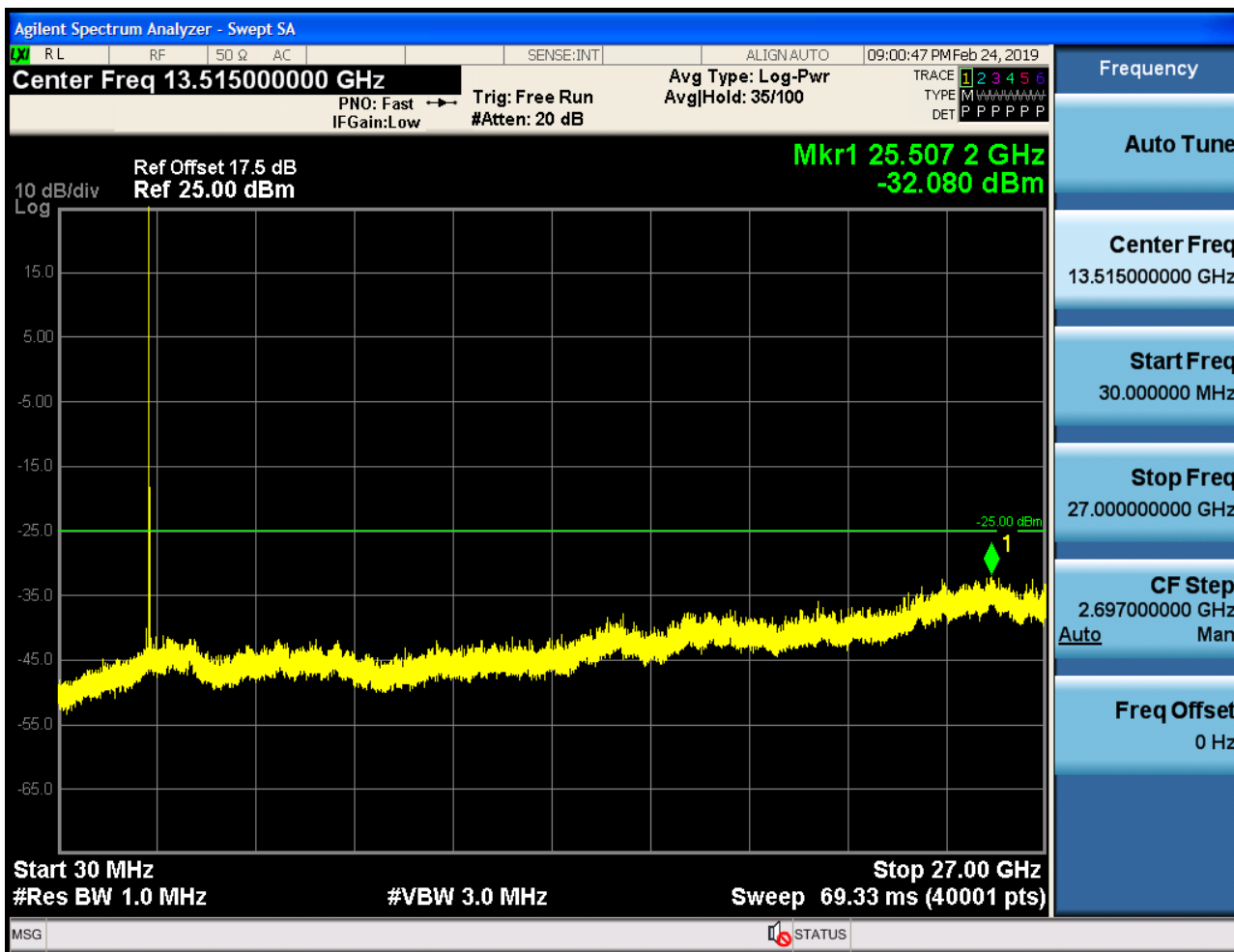
6.2.1.2.3 Test Bandwidth = 15

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0

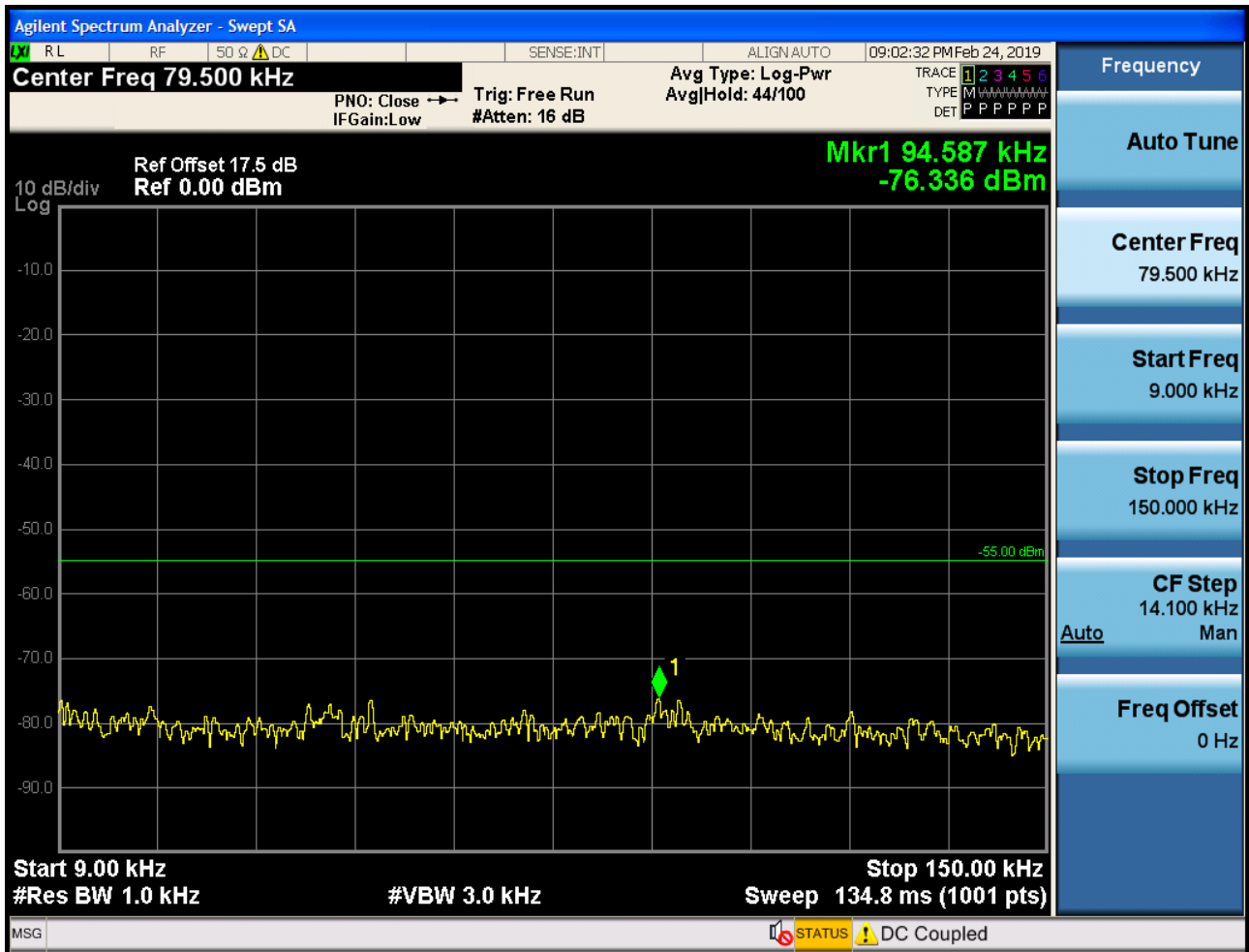


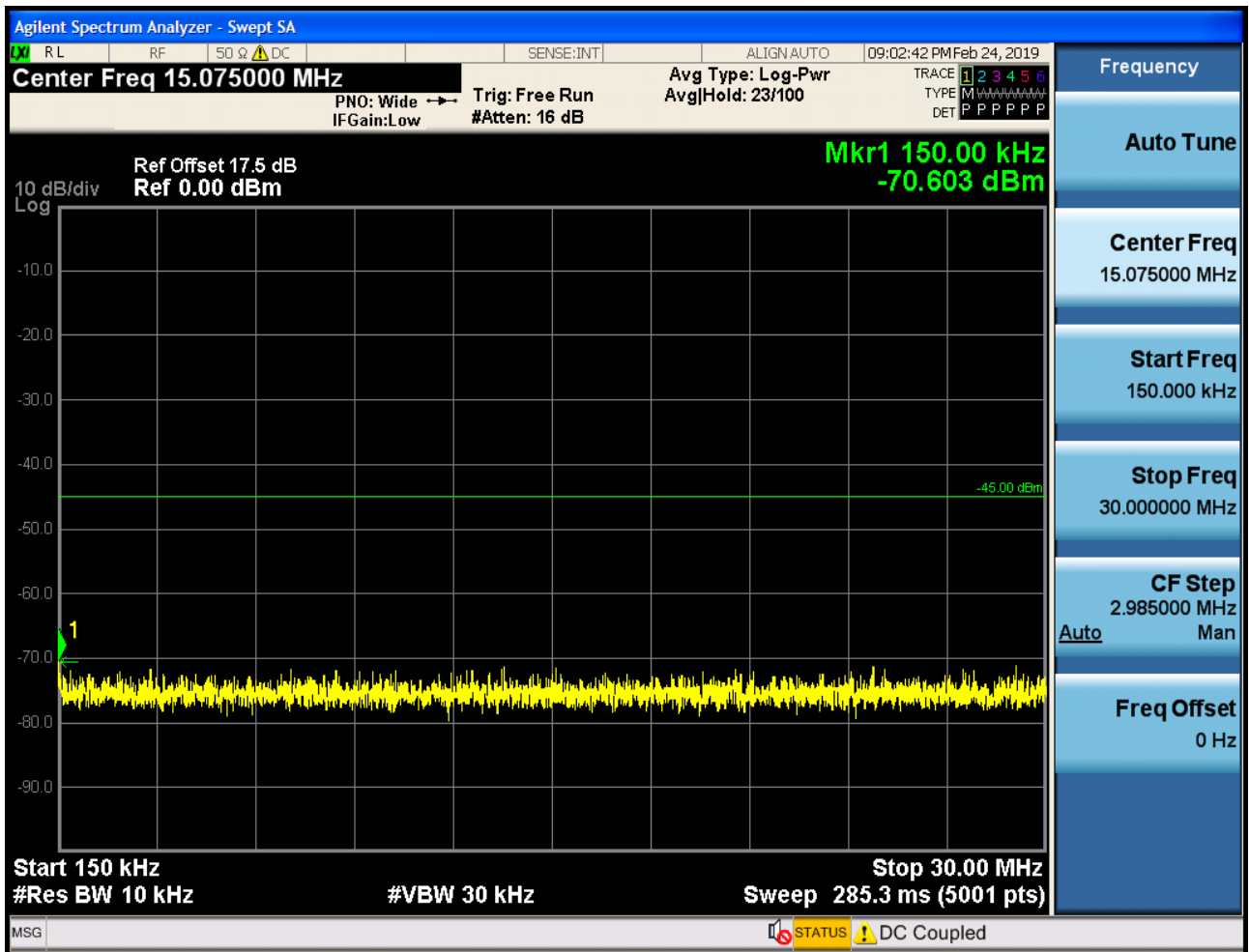


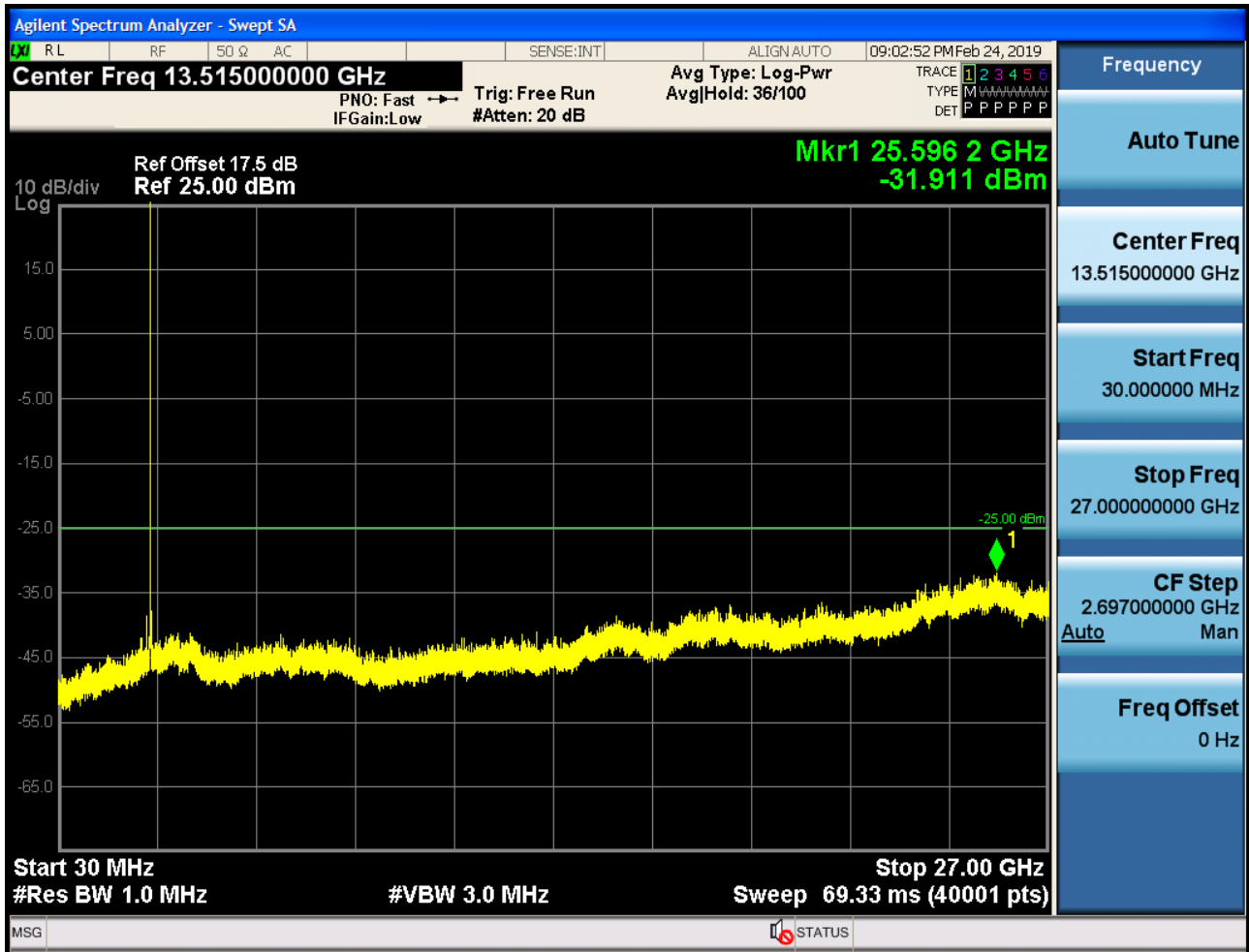


6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0

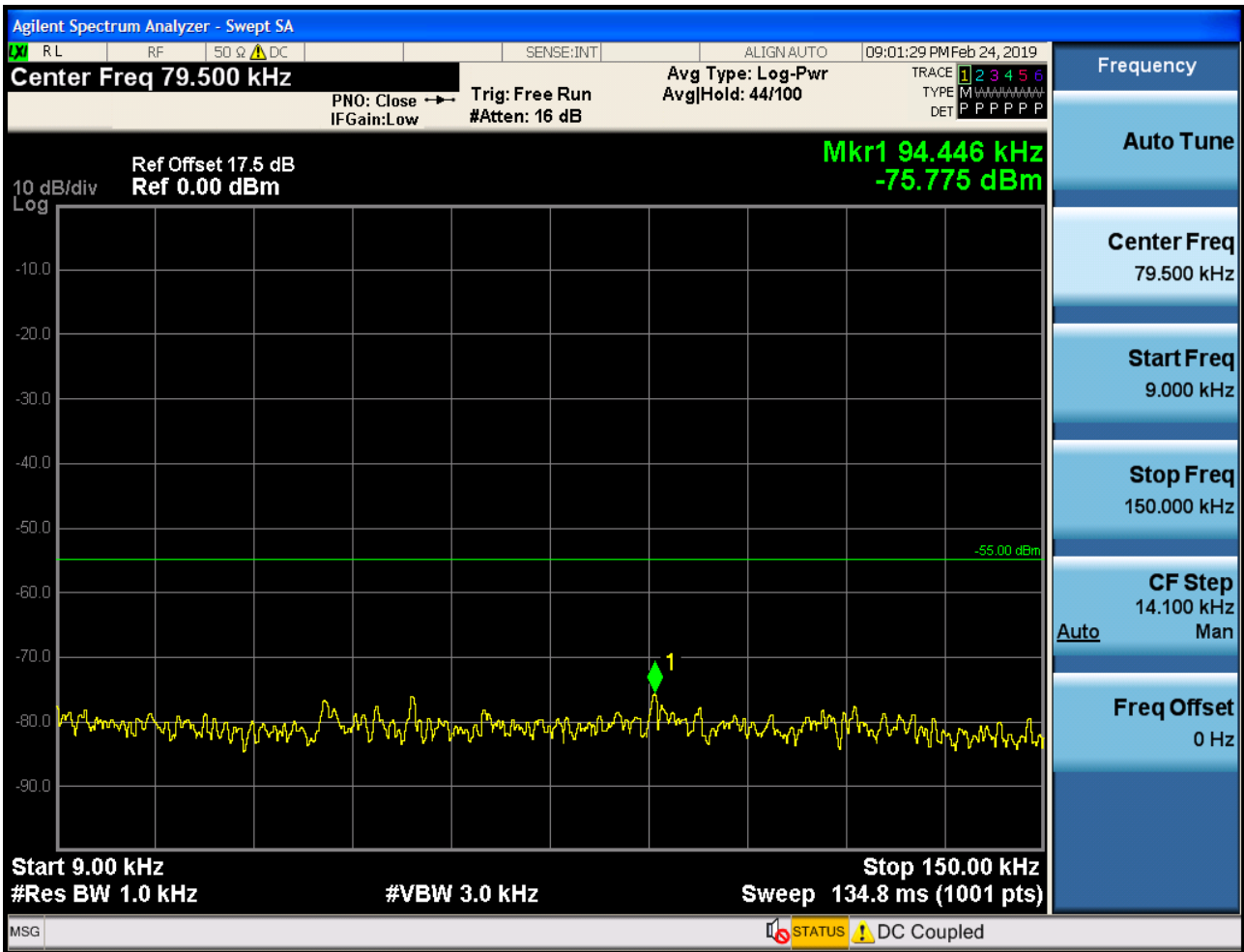


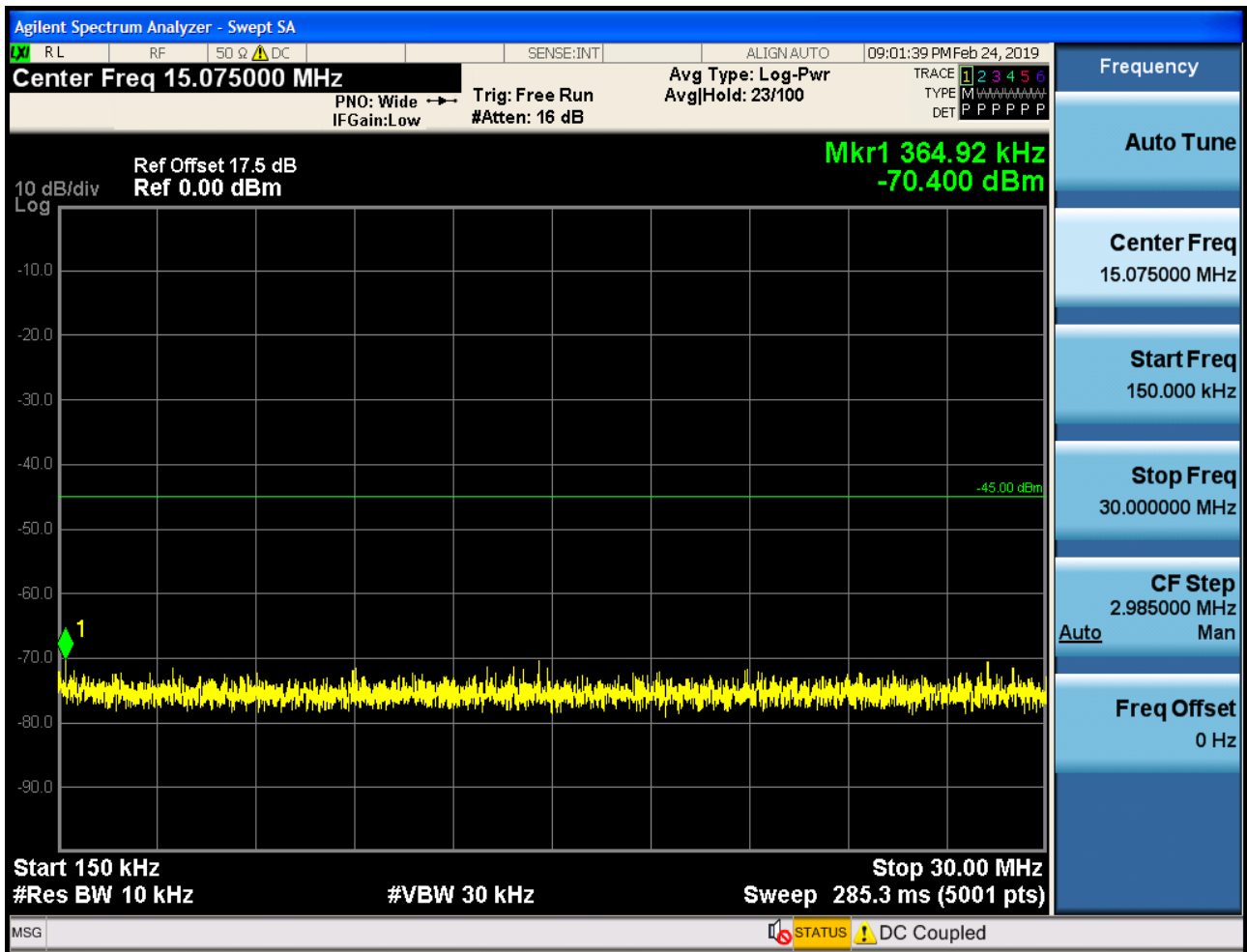


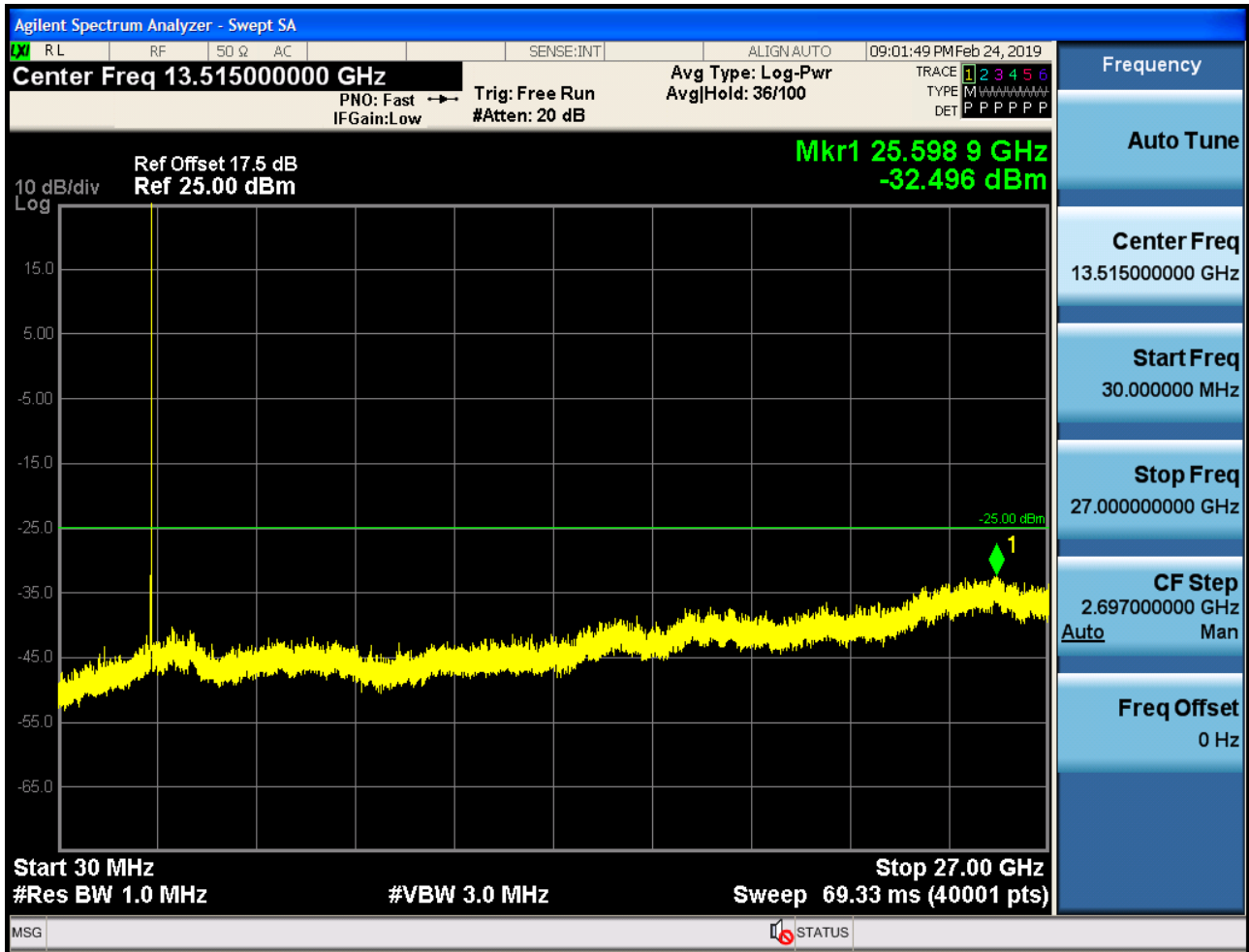


6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0



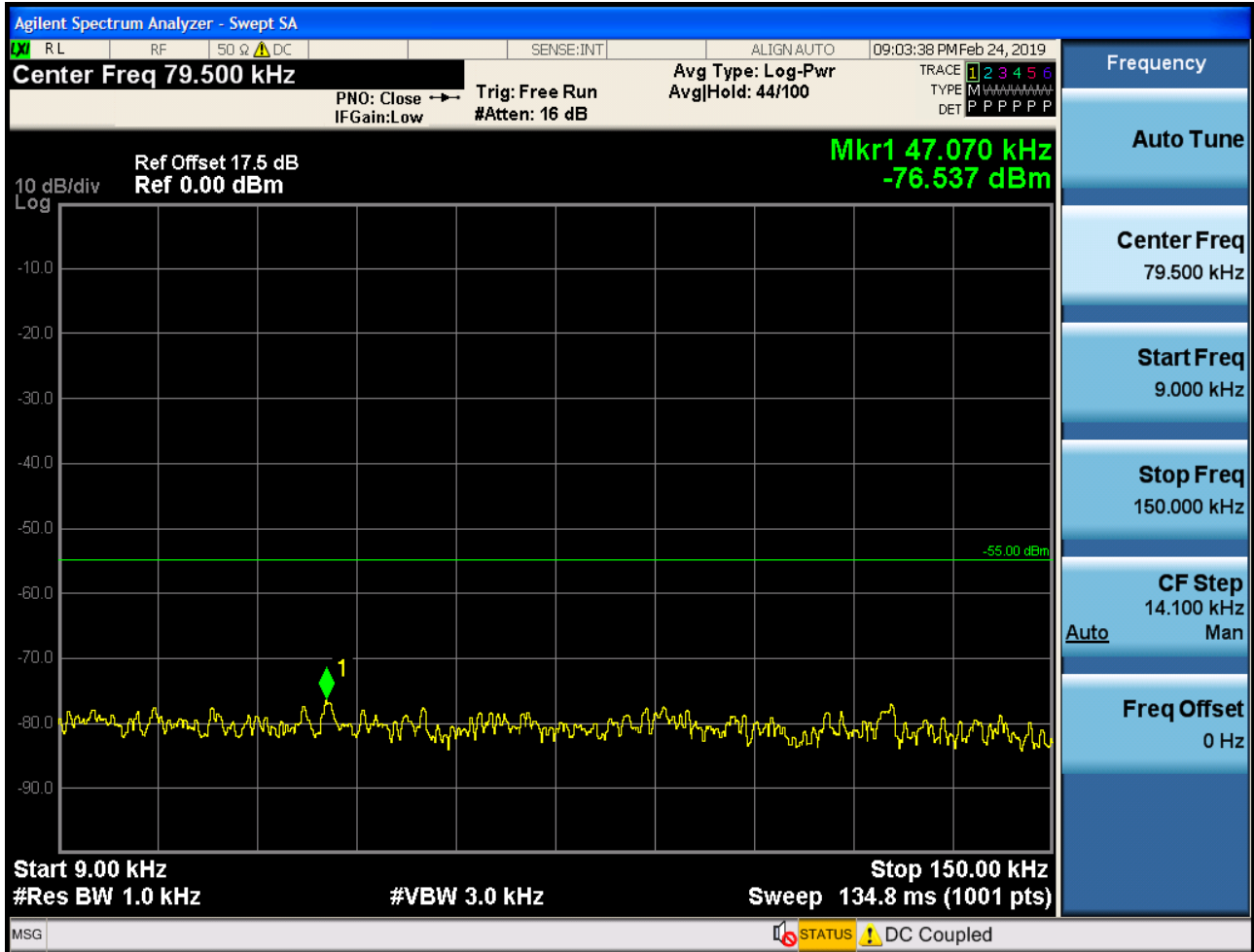


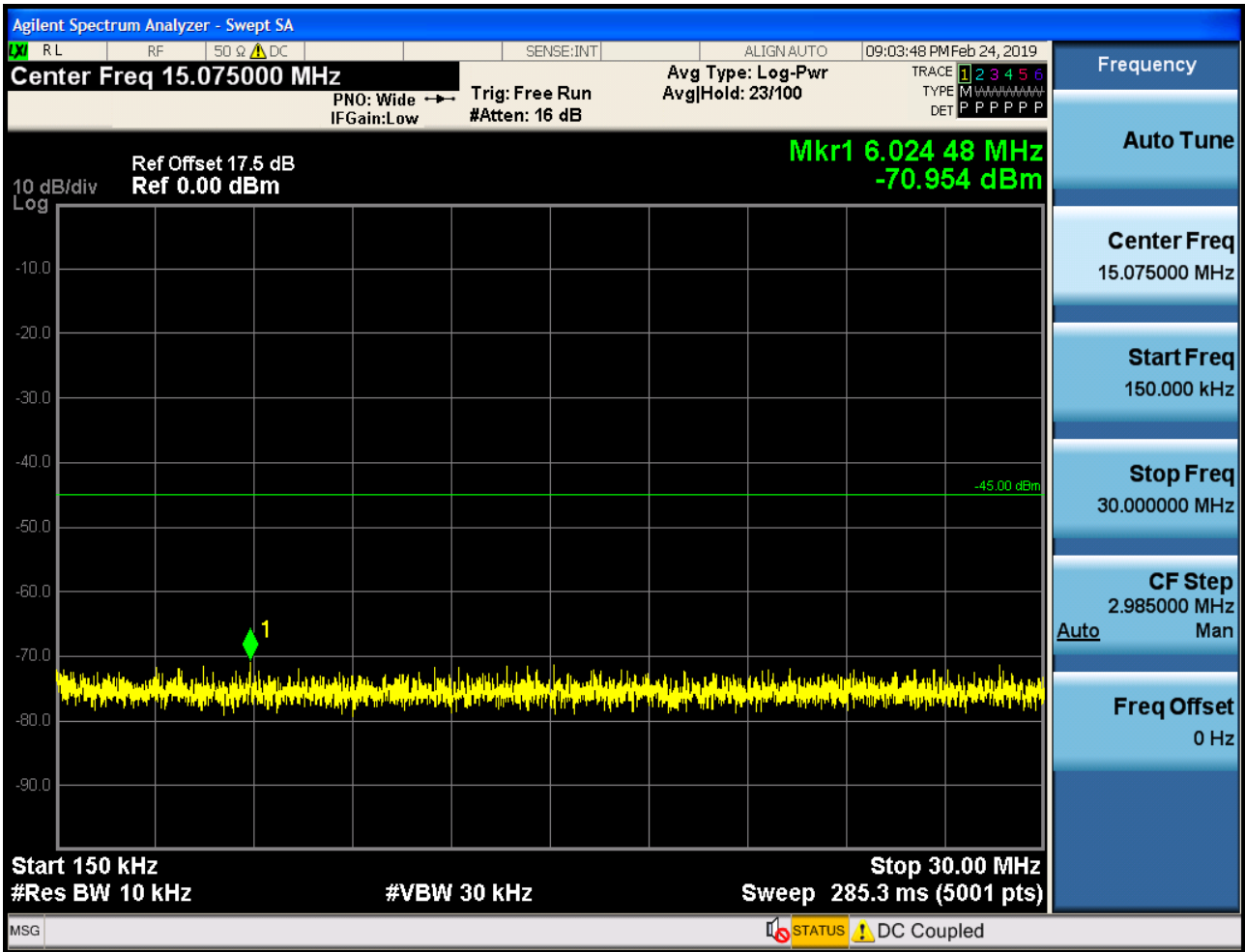


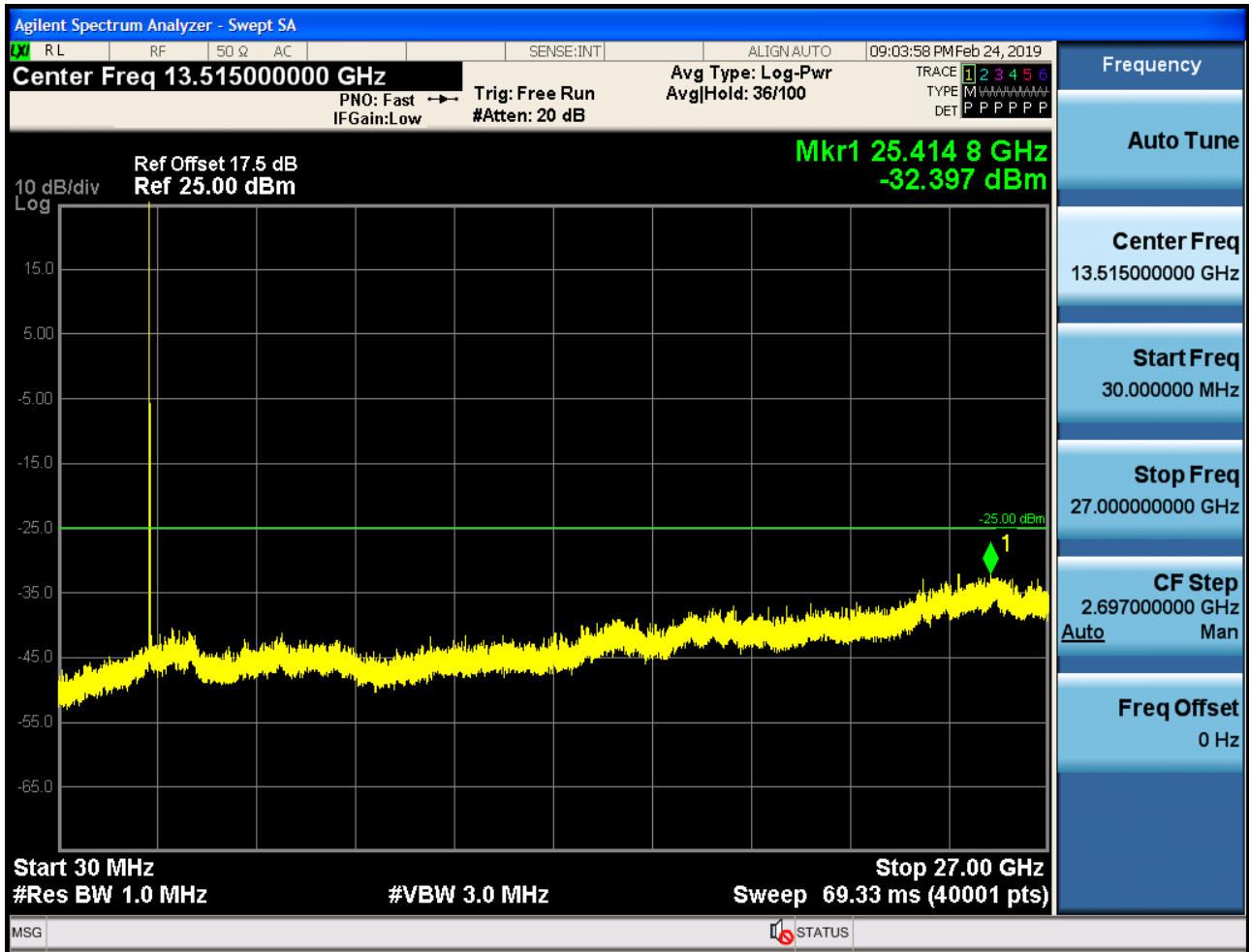
6.2.1.2.4 Test Bandwidth = 20

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

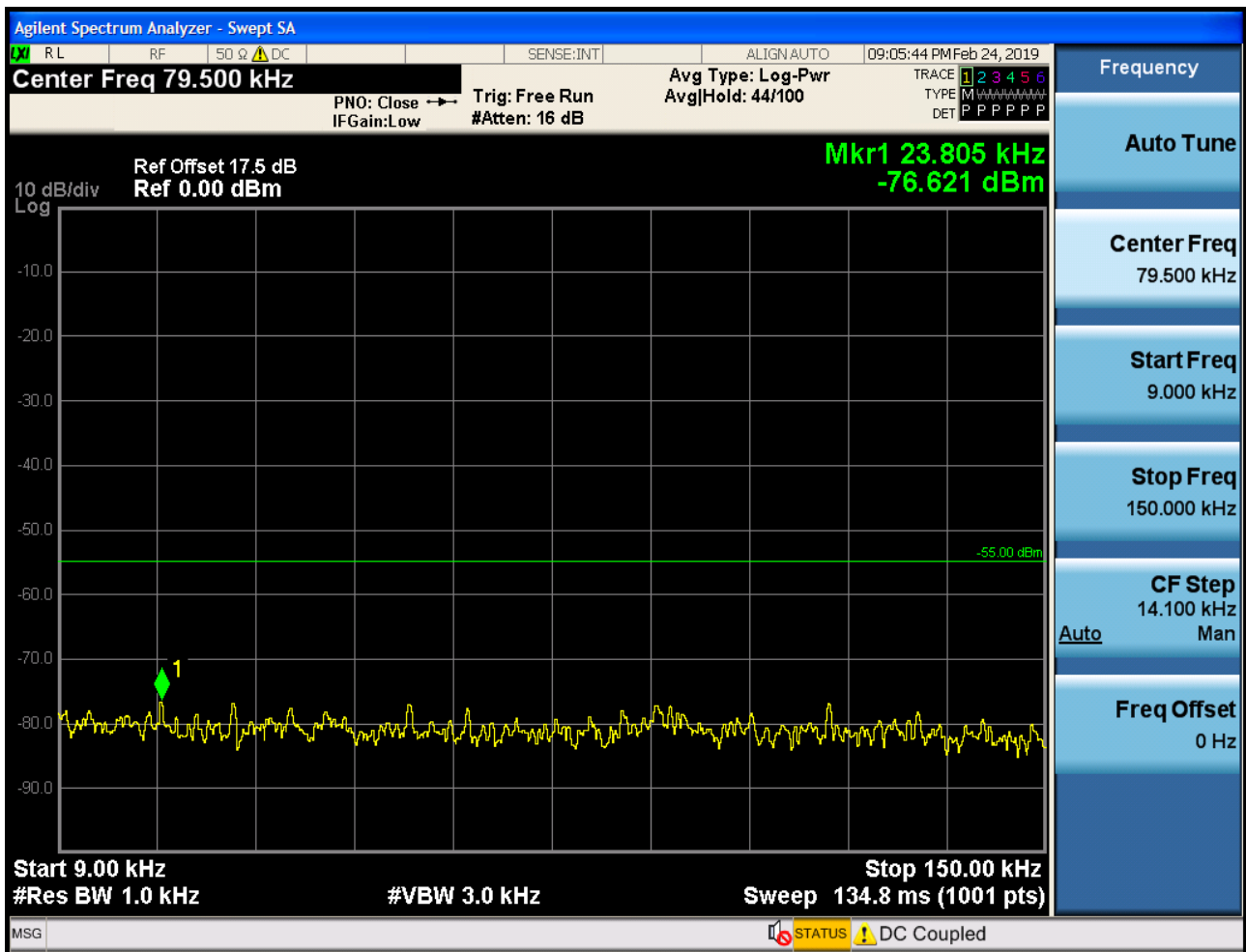


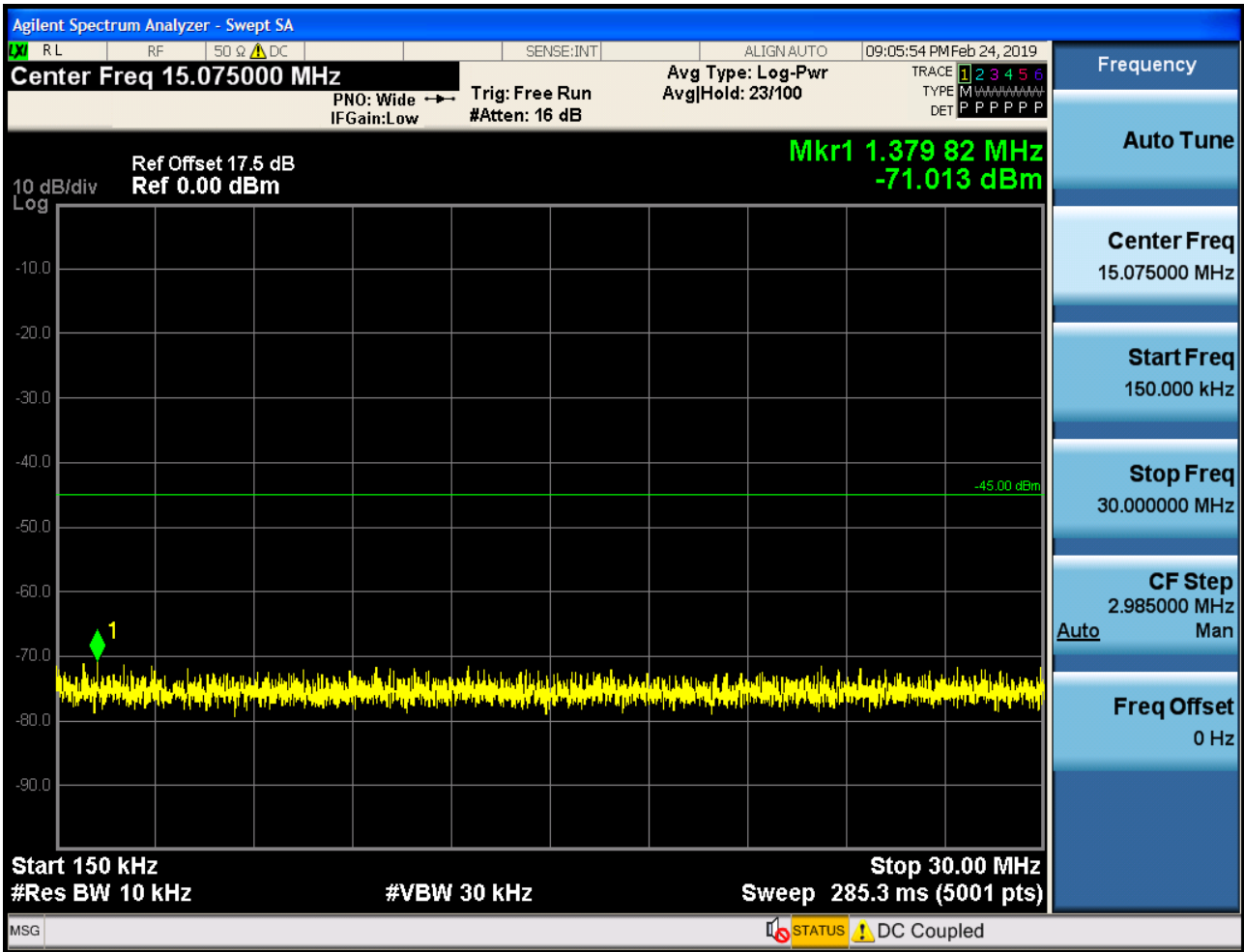


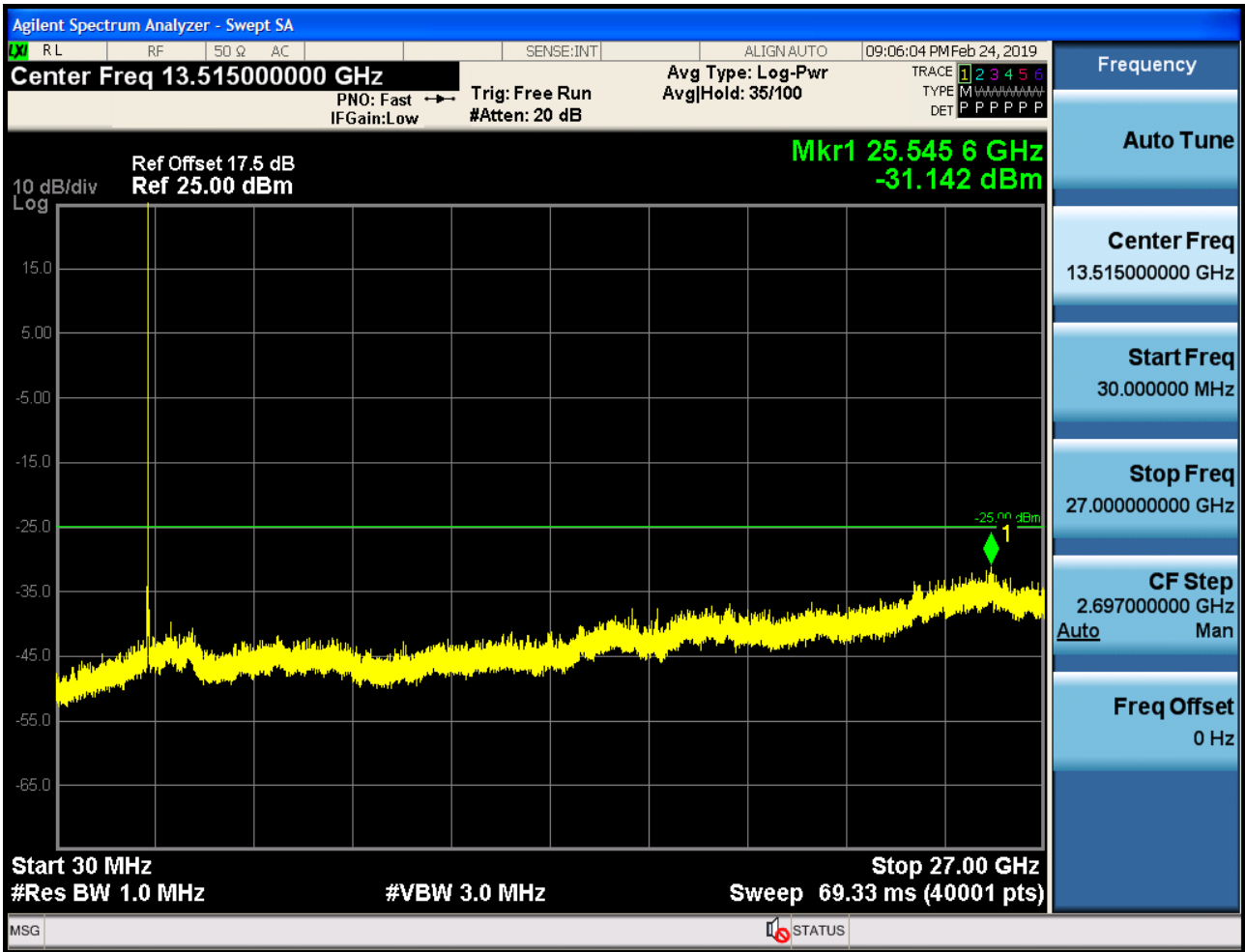


6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0

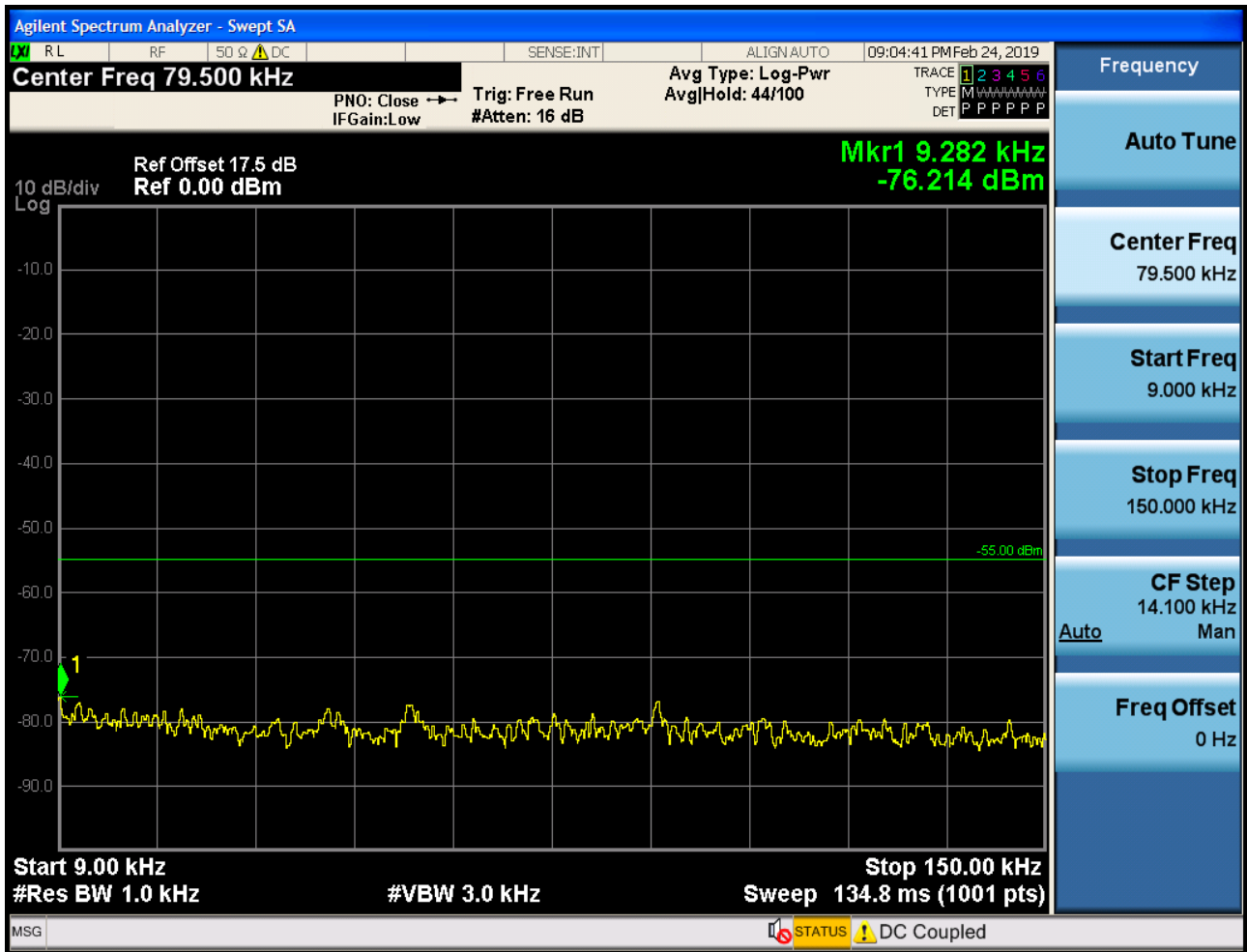


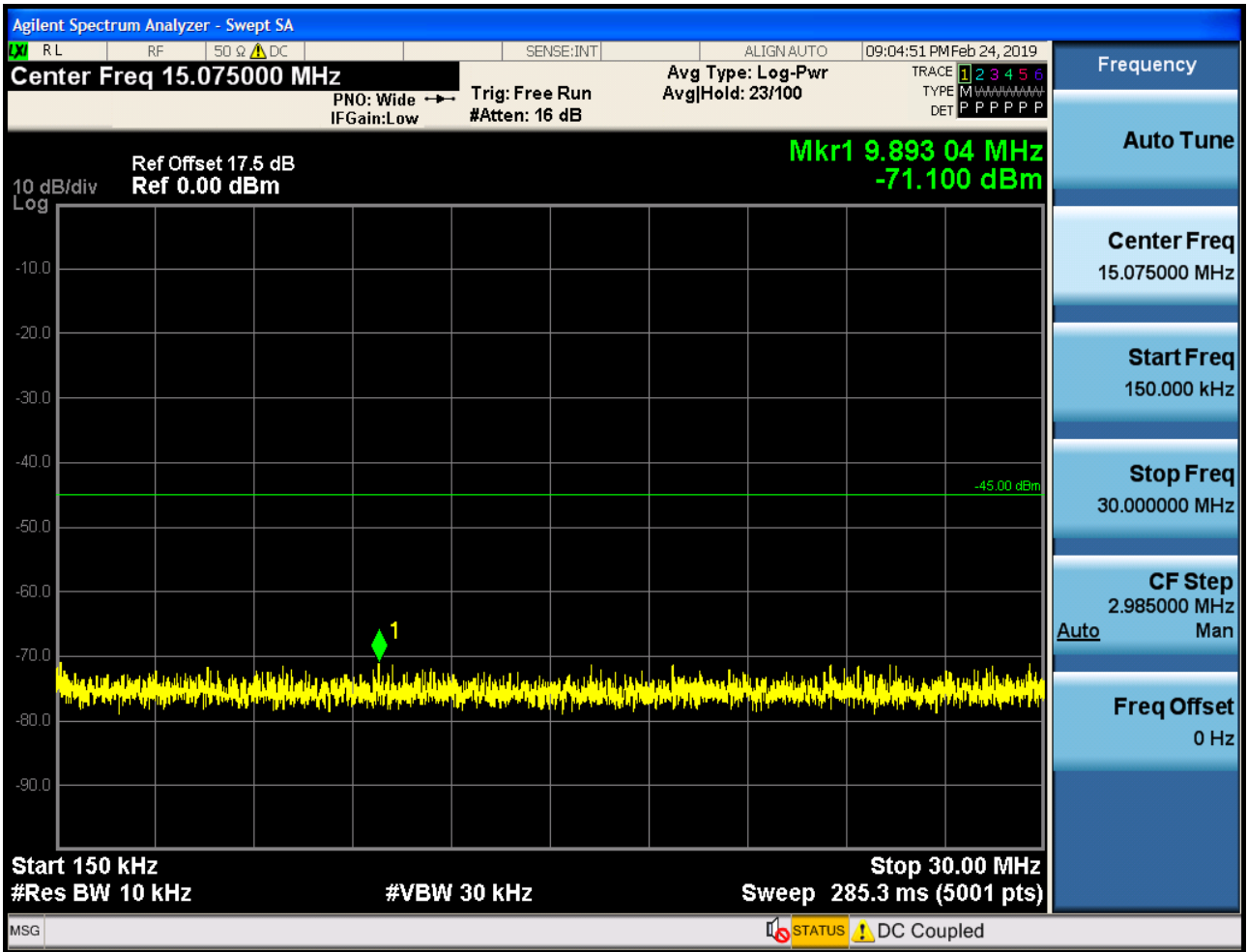


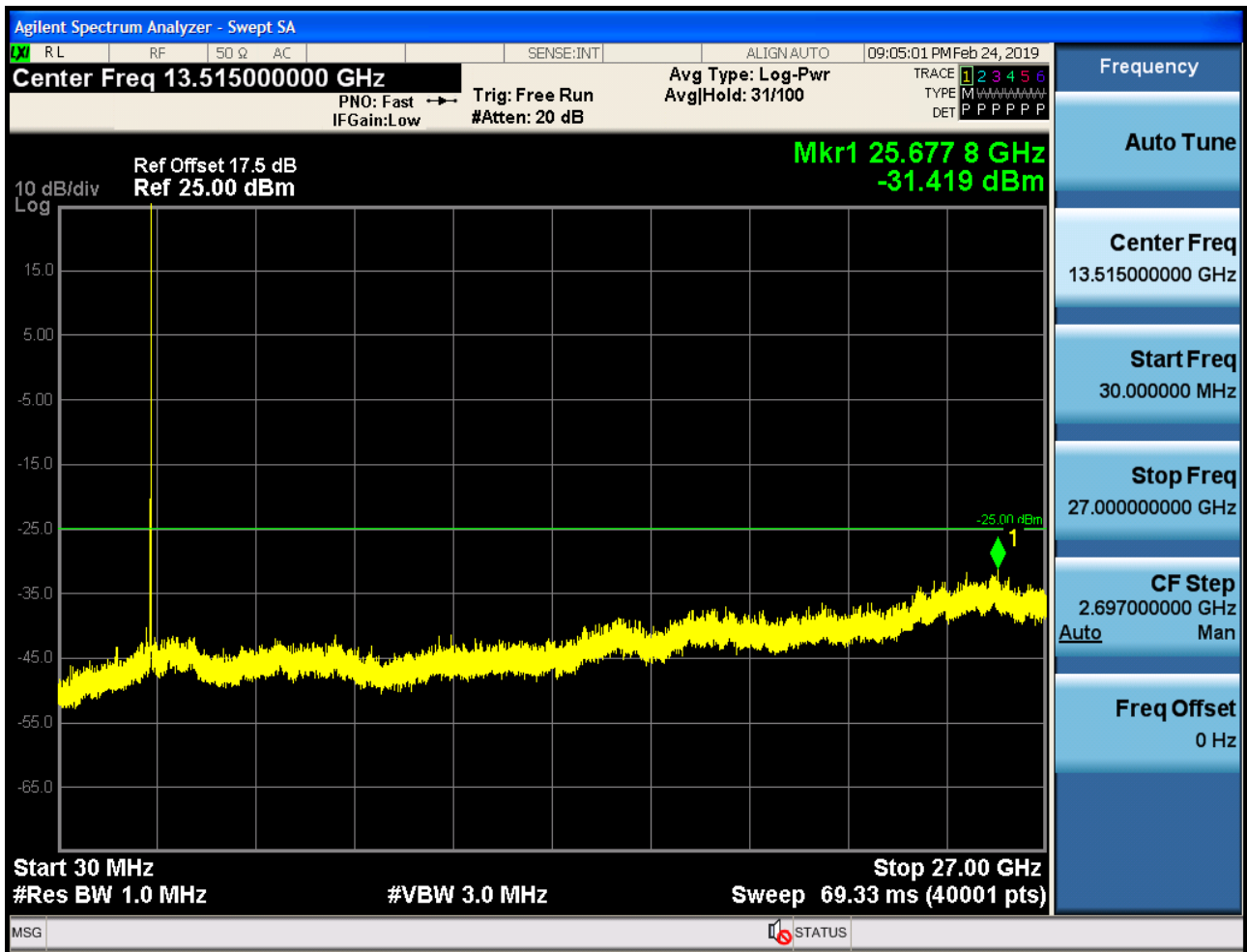


6.2.1.2.4.3 Test Channel = HCH

6.2.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note: 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

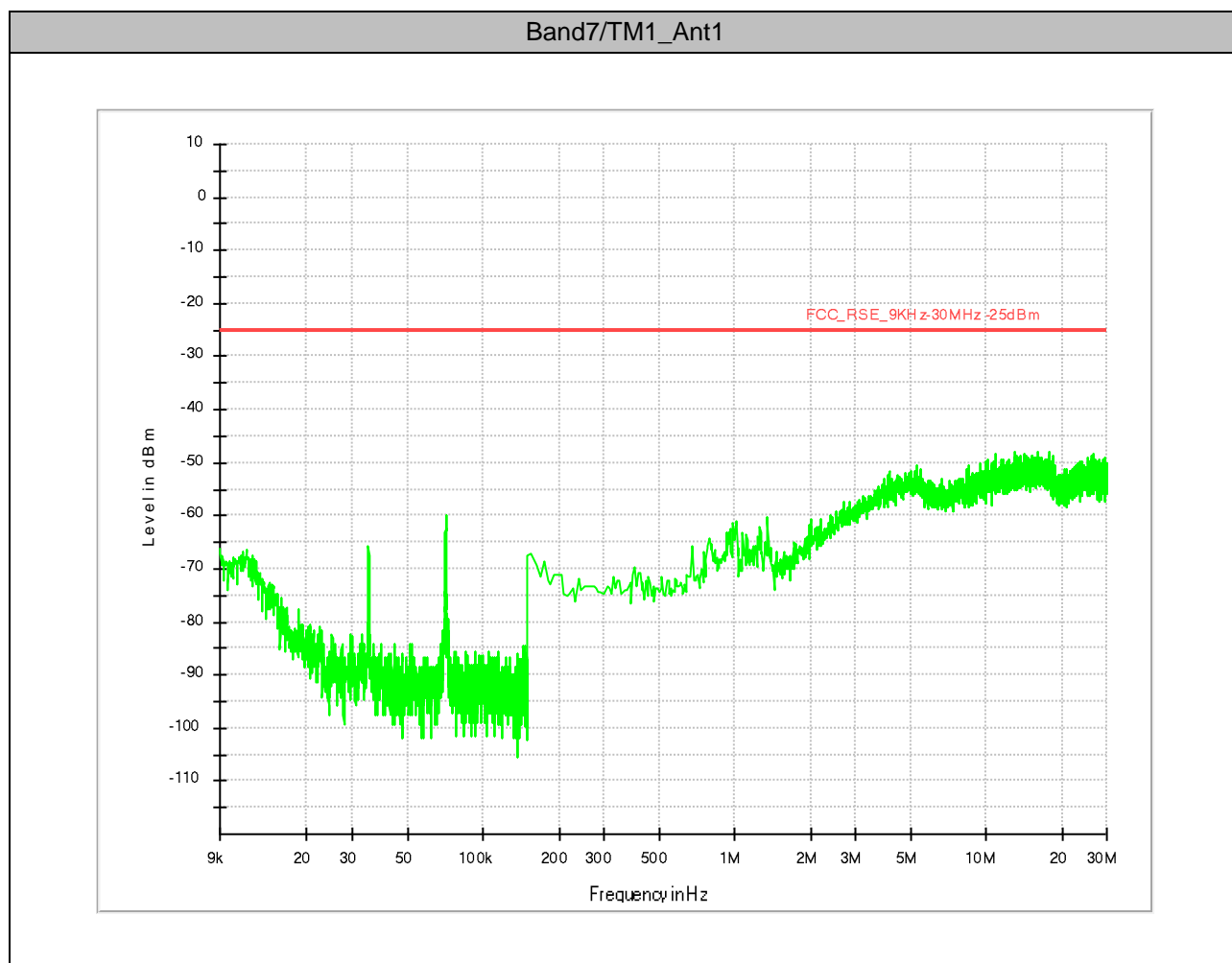
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

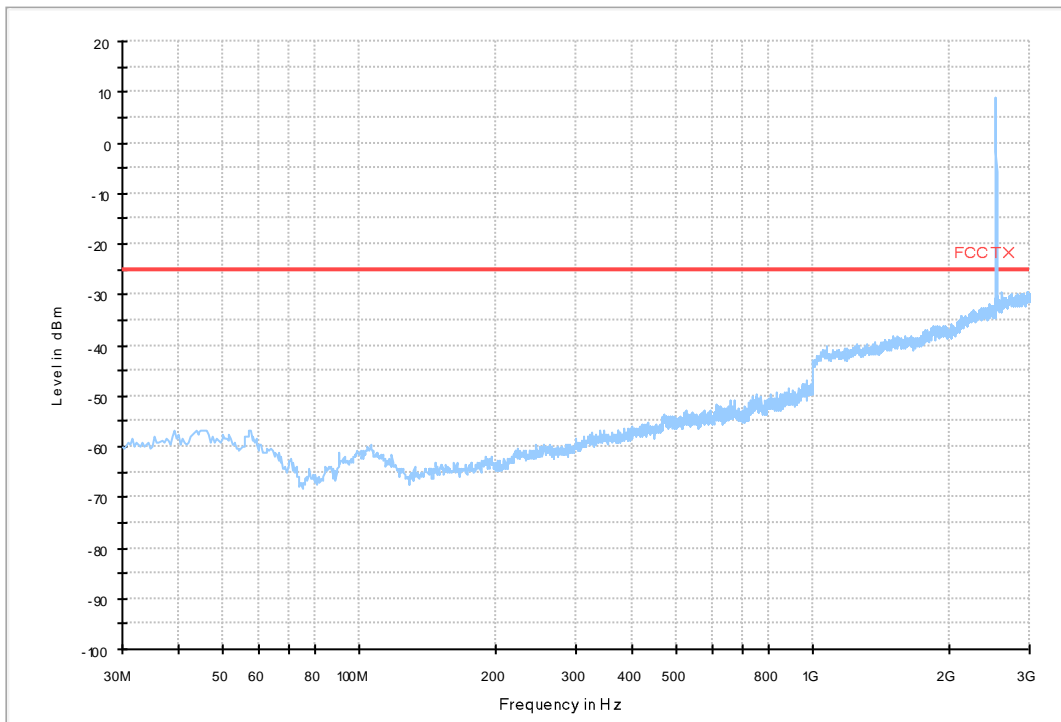
7.1 For LTE

7.1.1 Test Band = Band7

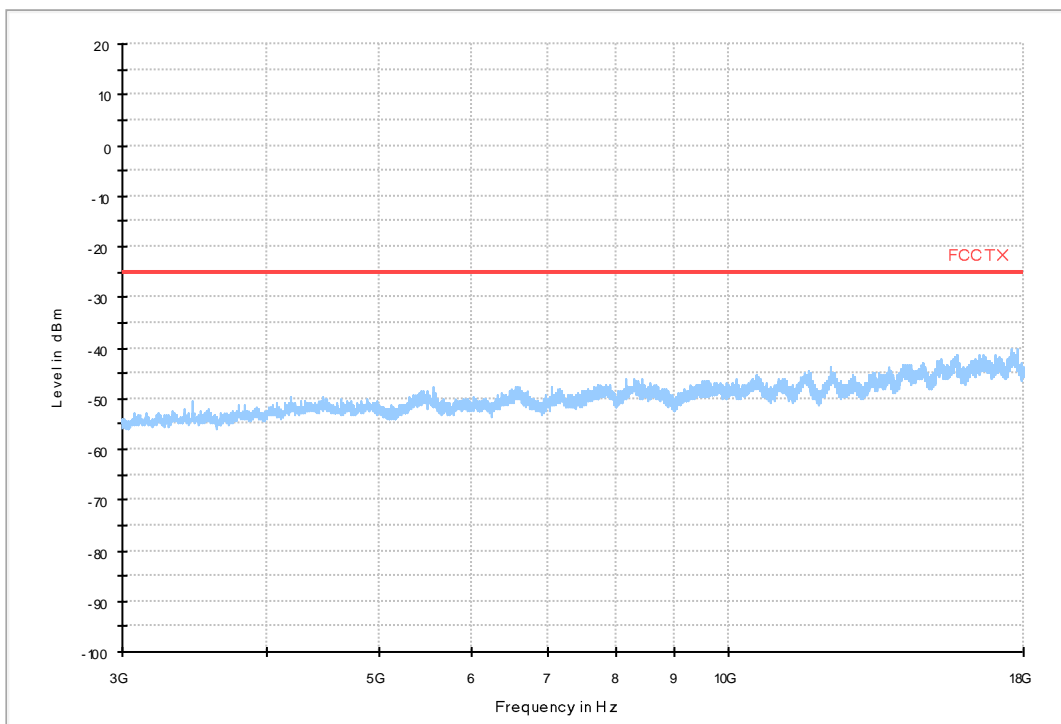
7.1.1.1 Test Bandwidth = 5



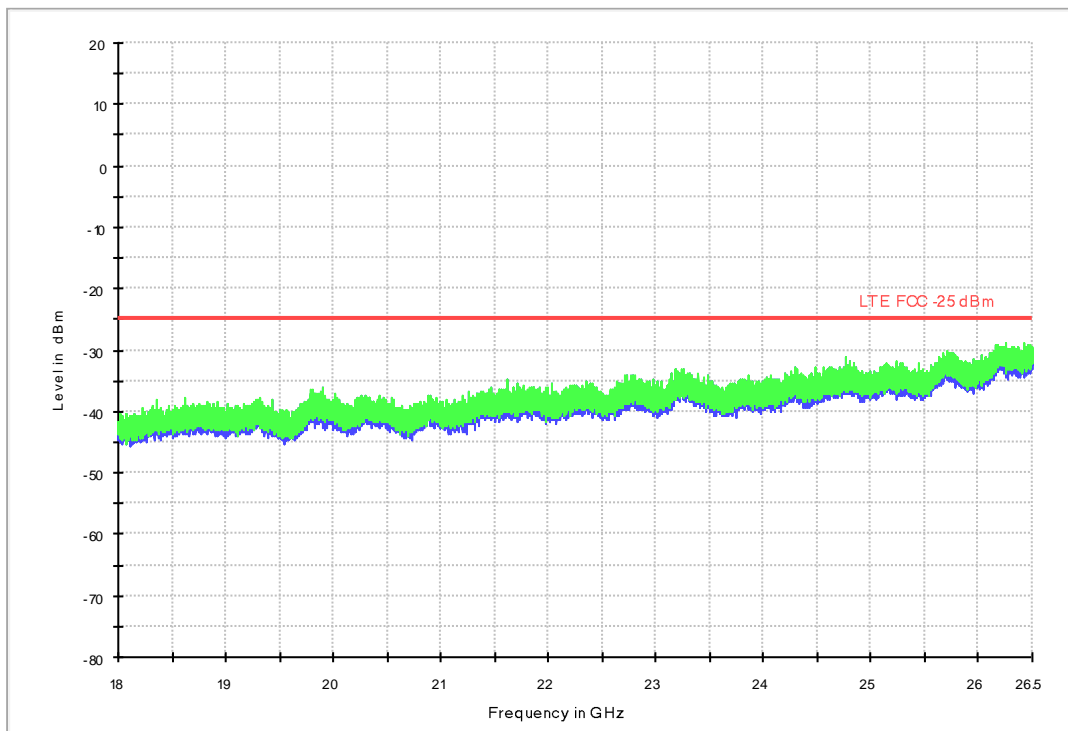
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



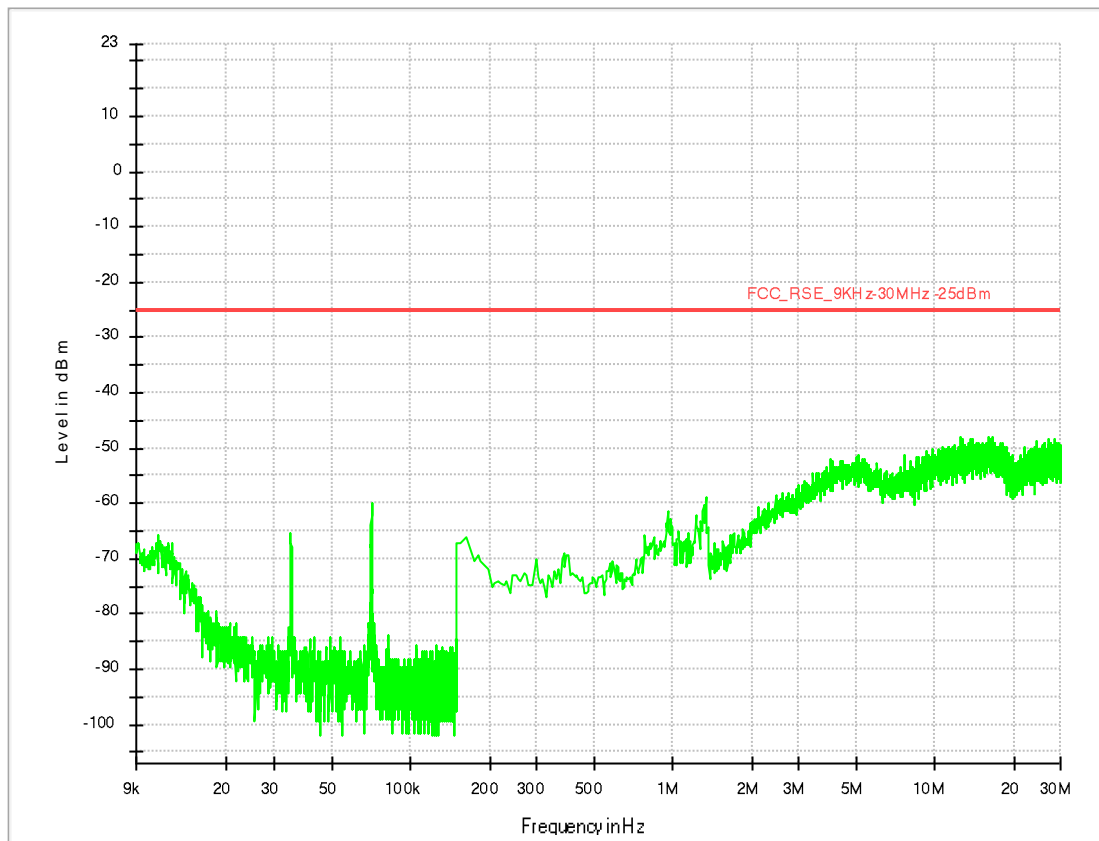
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



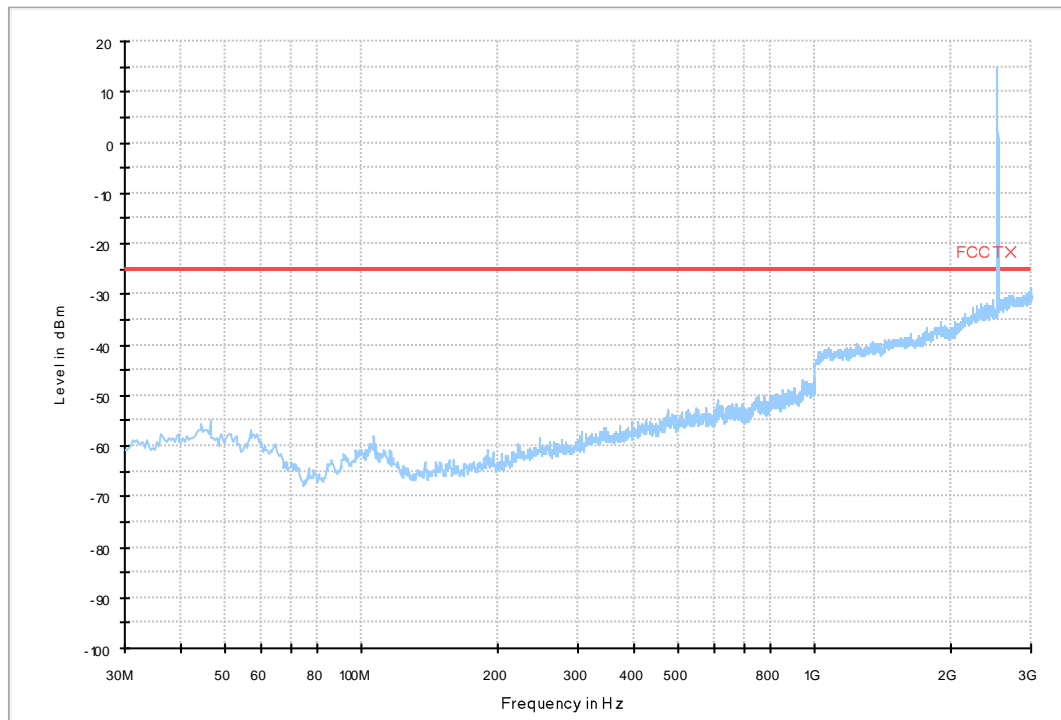
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



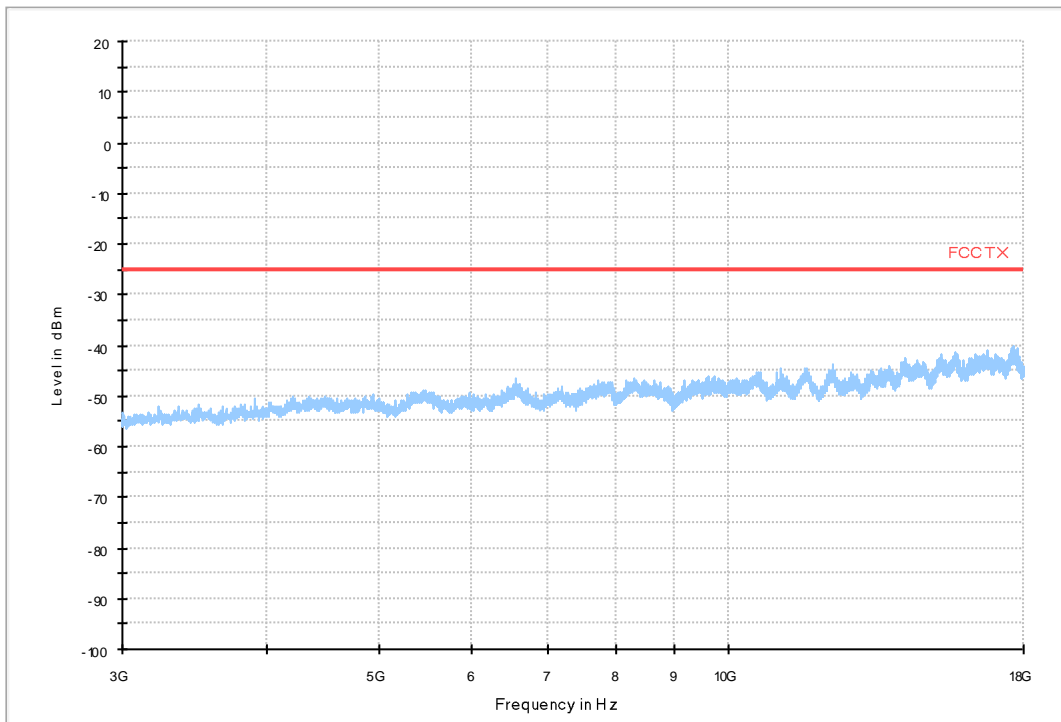
Band7/TM1_Ant2



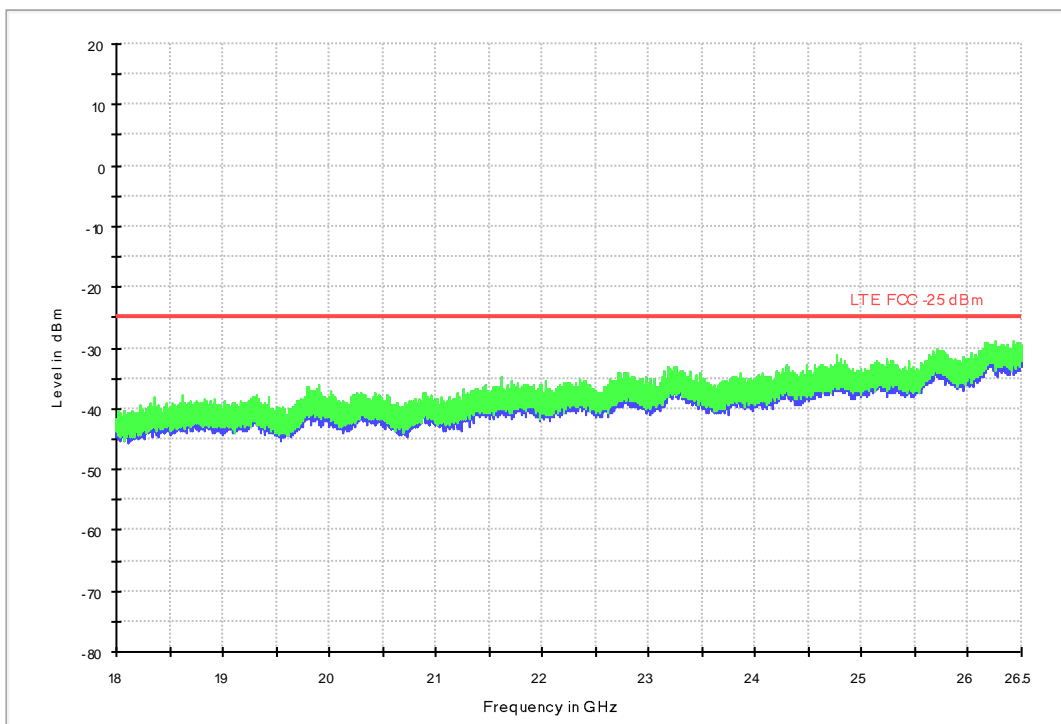
LTE Band 7 RSE-TX-DIRECTOR ABOVE 15G_L -25dBm limit



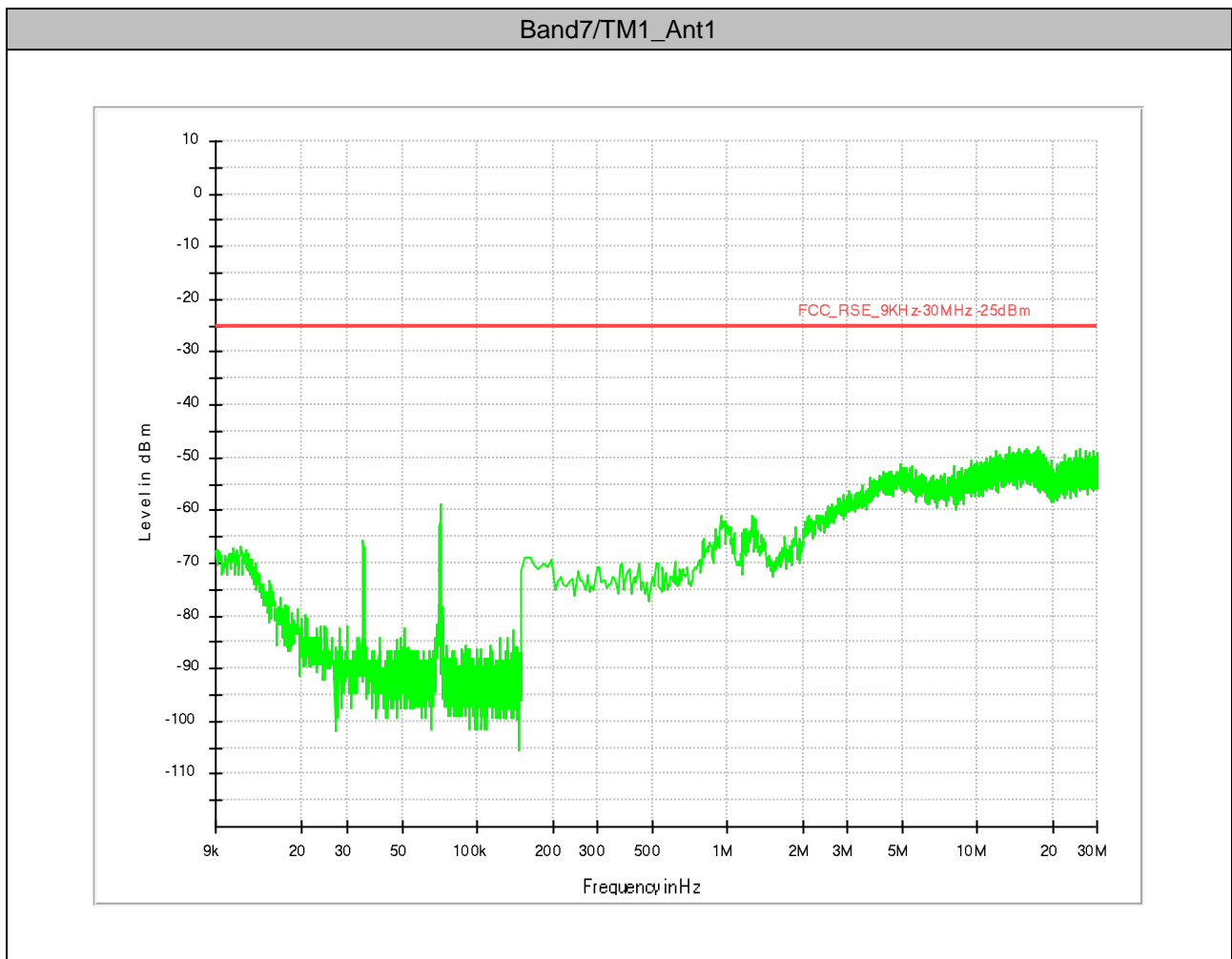
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



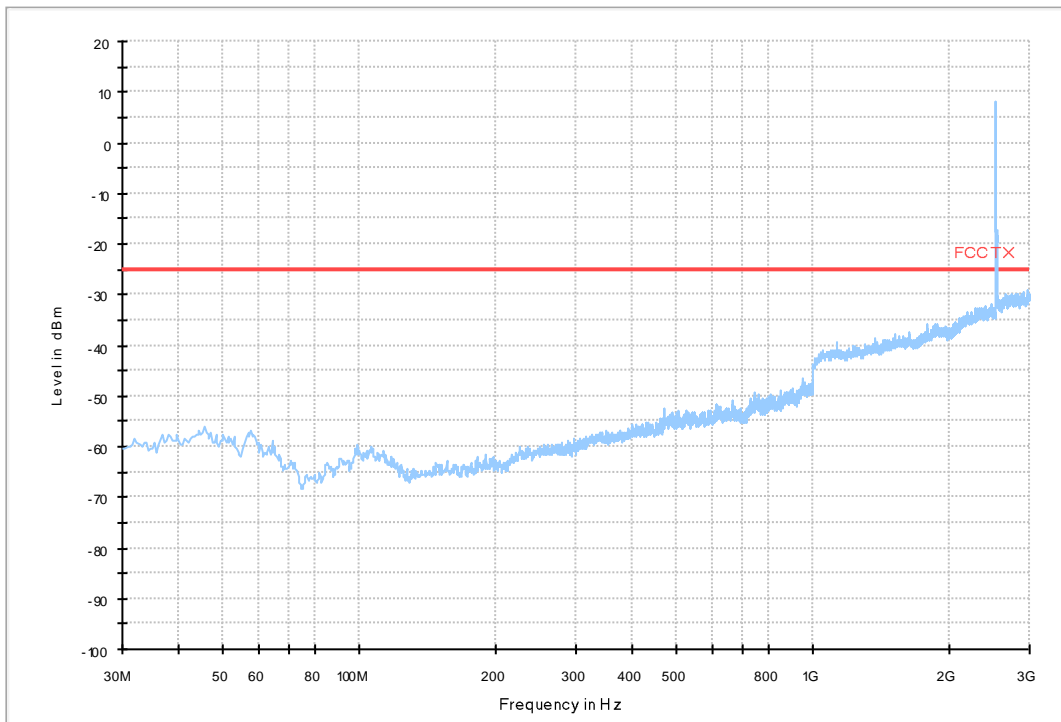
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



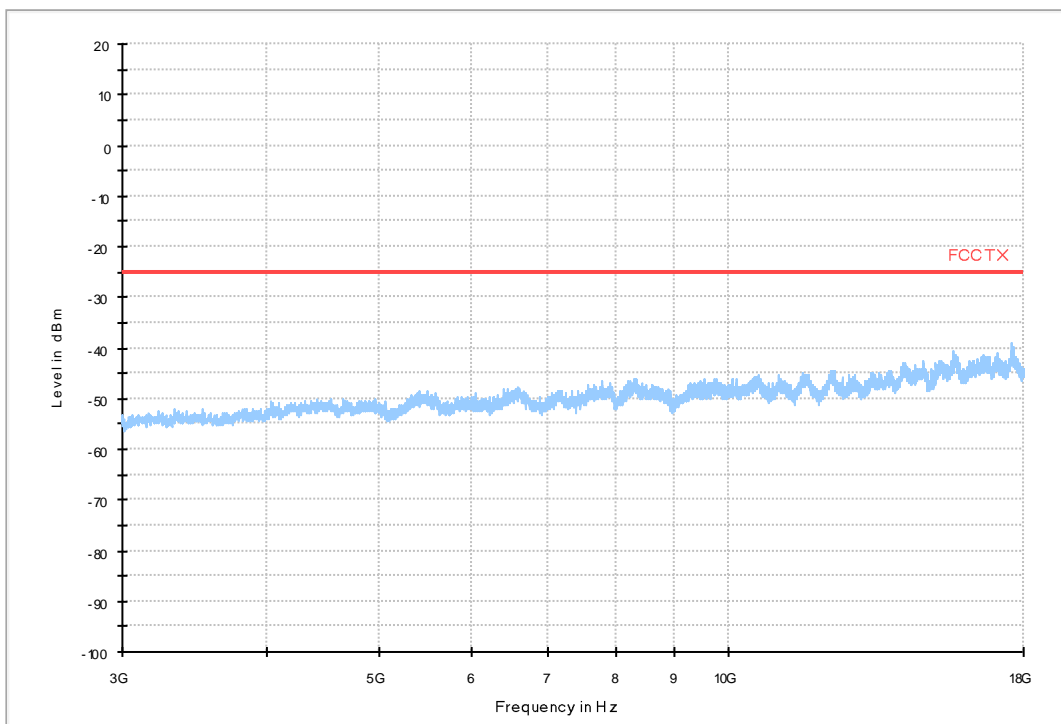
7.1.1.2 Test Bandwidth = 20



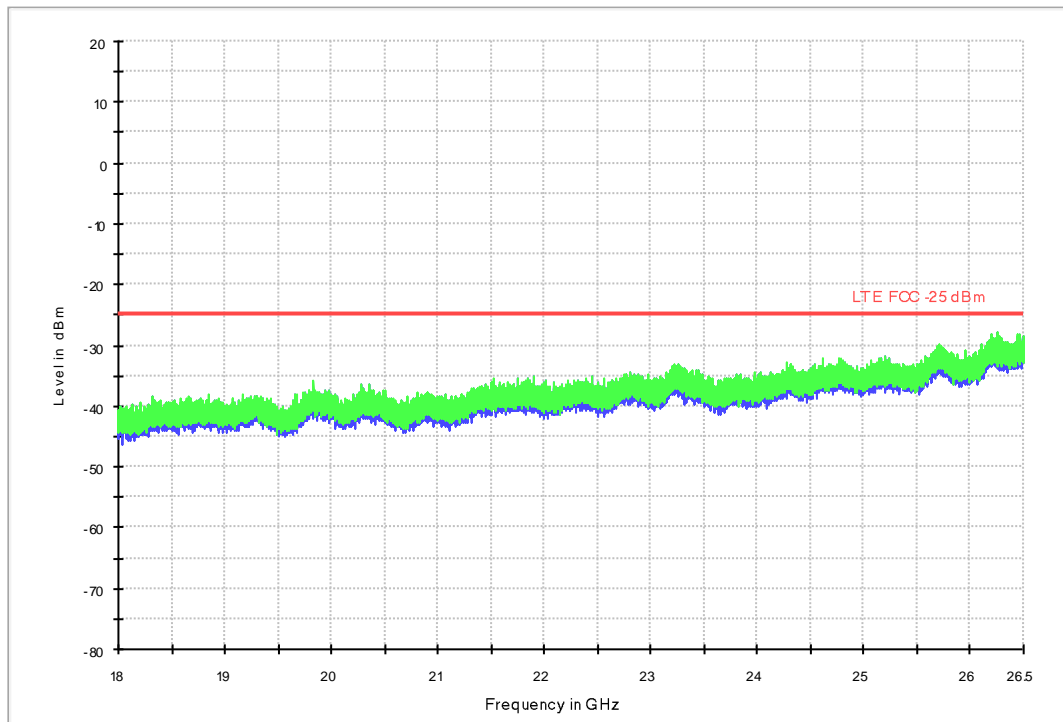
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



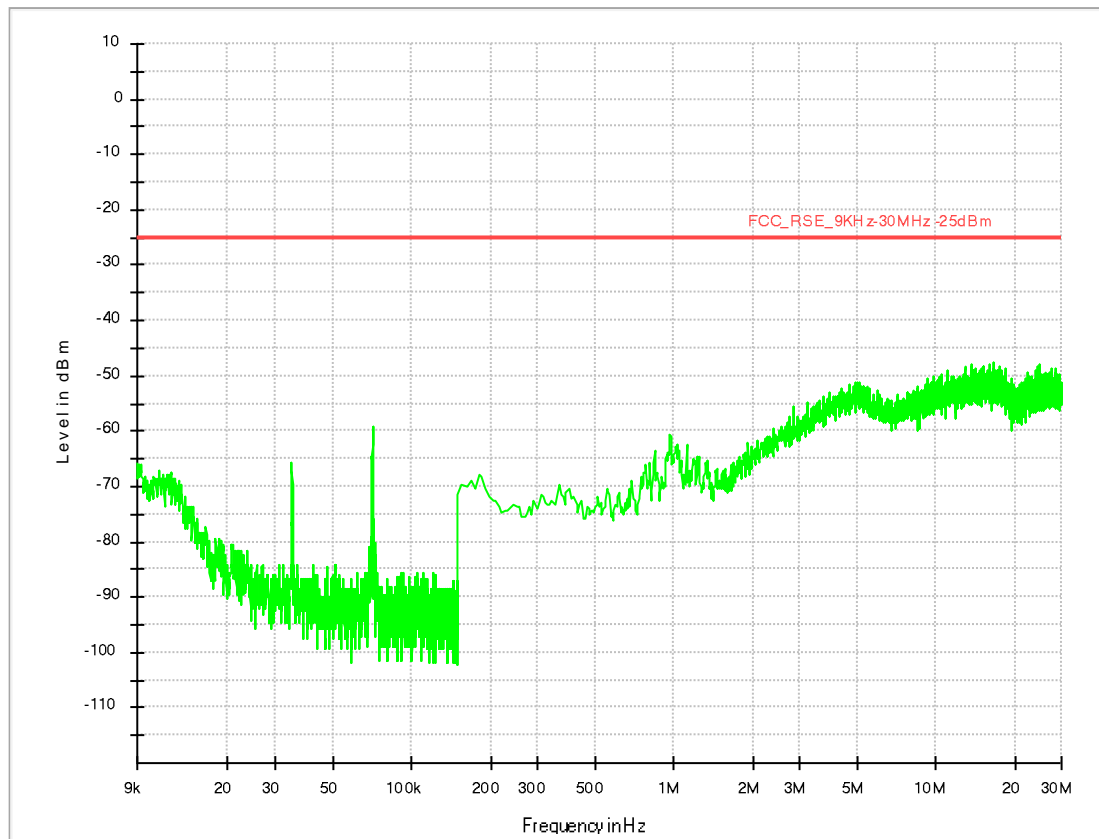
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



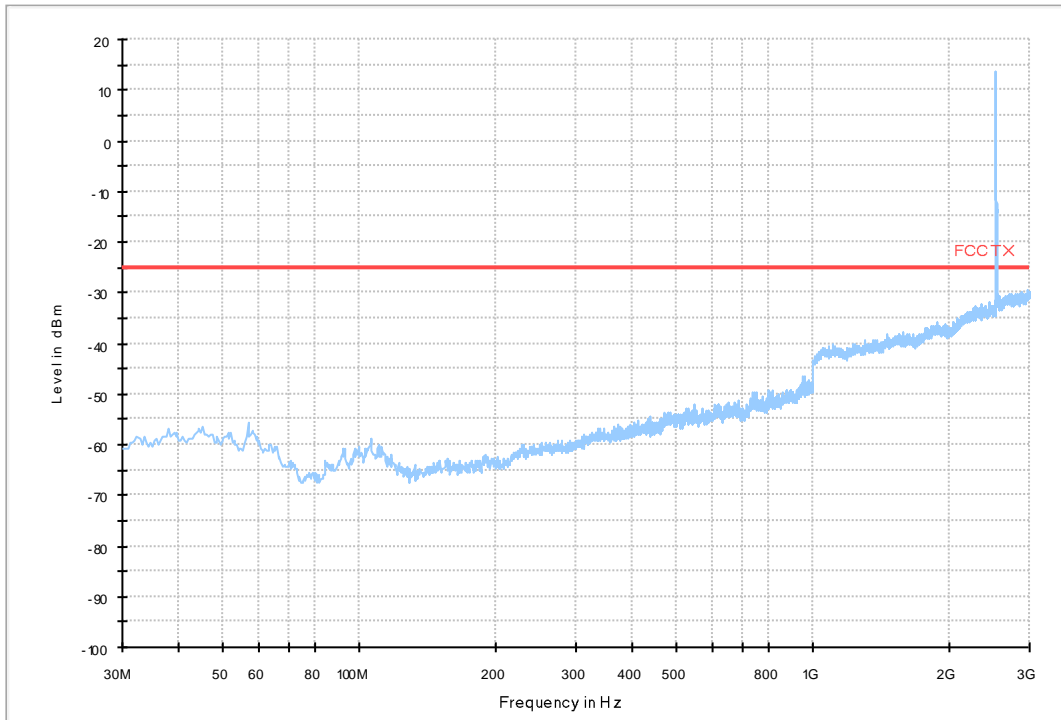
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



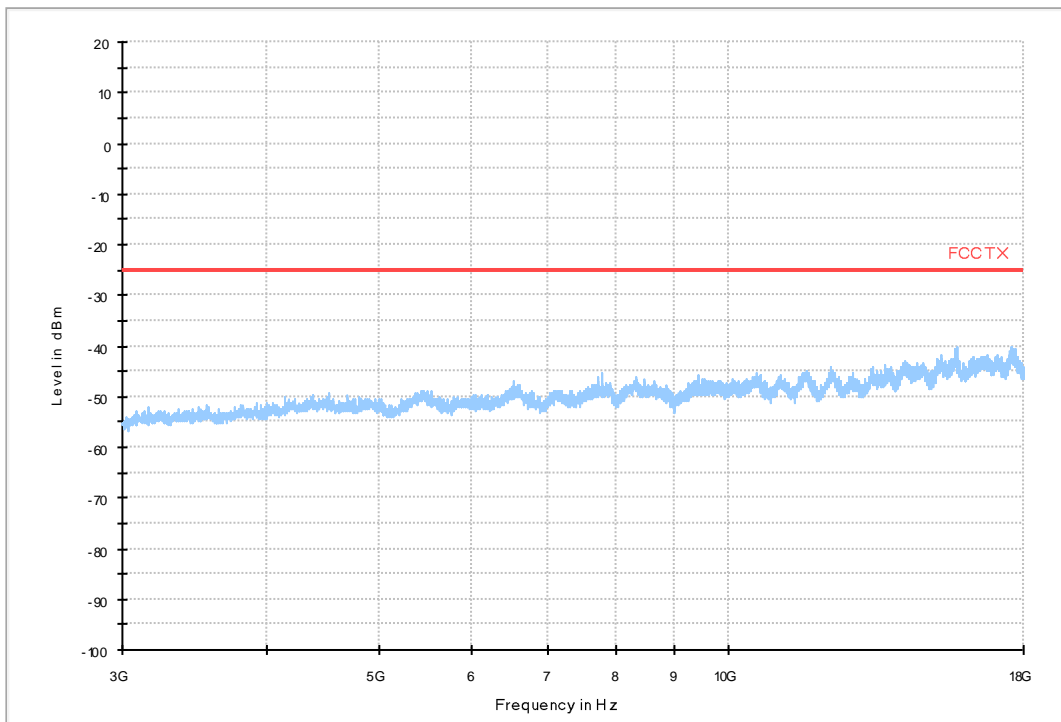
Band7/TM1_Ant2

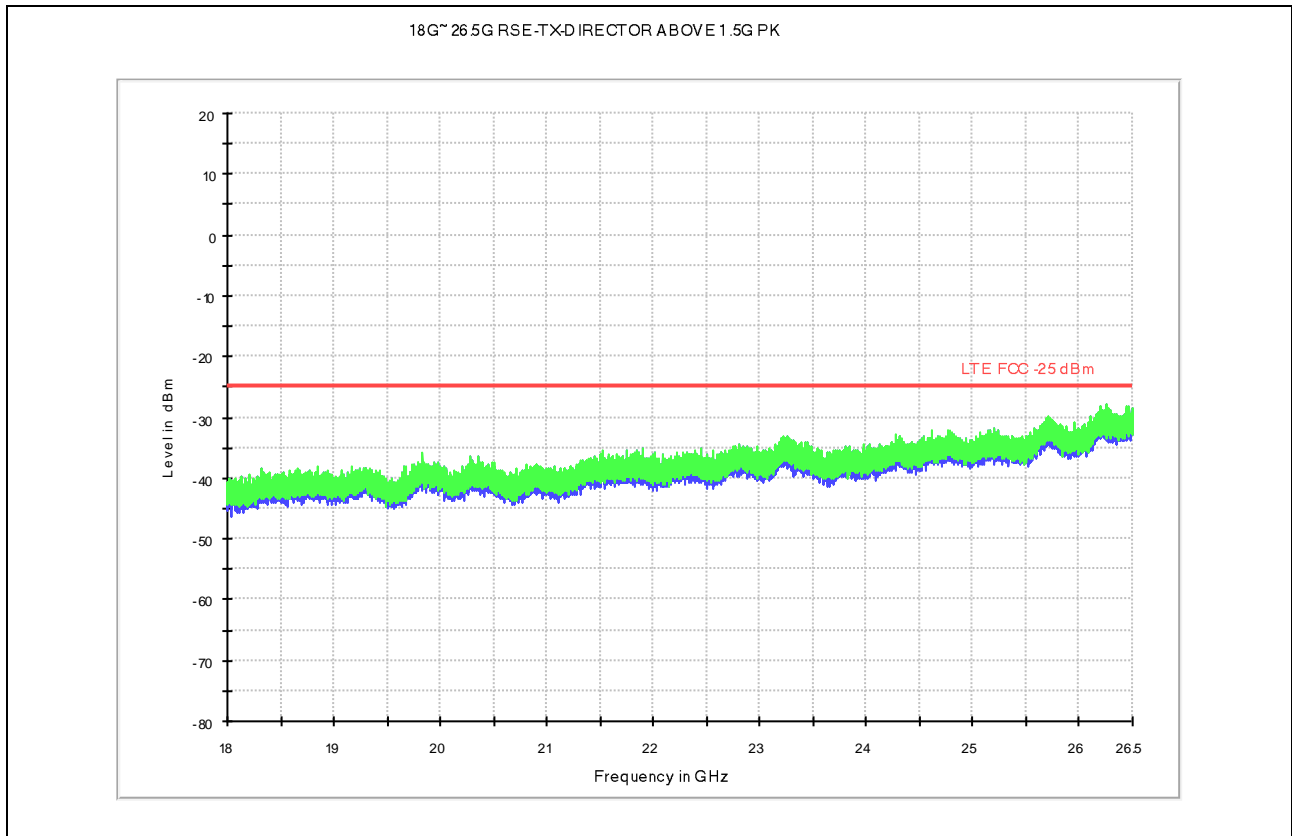


LTE Band 7 RSE-TX-DIRECTOR ABOVE 15G_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 15G_H -25dBm limit





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
Band7	LTE/TM1	5	LCH	TN	VL	-31.09932	-0.01243	PASS
					VN	-3.33309	-0.00133	PASS
					VH	-8.13961	-0.00325	PASS
			MCH	TN	VL	-0.58651	-0.00023	PASS
					VN	-13.43250	-0.00530	PASS
					VH	-1.71661	-0.00068	PASS
			HCH	TN	VL	-2.34604	-0.00091	PASS
					VN	-21.47198	-0.00836	PASS
					VH	-50.48275	-0.01966	PASS
		10	LCH	TN	VL	-7.25269	-0.00290	PASS
					VN	-15.16342	-0.00605	PASS
					VH	-8.03947	-0.00321	PASS
			MCH	TN	VL	-15.95020	-0.00629	PASS
					VN	-4.89235	-0.00193	PASS
					VH	-1.73092	-0.00068	PASS
			HCH	TN	VL	-16.92295	-0.00660	PASS
					VN	-17.30919	-0.00675	PASS
					VH	-14.20498	-0.00554	PASS
		15	LCH	TN	VL	-2.01702	-0.00080	PASS
					VN	-11.40118	-0.00455	PASS
					VH	-7.88212	-0.00314	PASS
			MCH	TN	VL	-0.61512	-0.00024	PASS
					VN	-5.03540	-0.00199	PASS
					VH	-3.34740	-0.00132	PASS
			HCH	TN	VL	-2.21729	-0.00087	PASS
					VN	-5.76496	-0.00225	PASS
					VH	-5.19276	-0.00203	PASS
		20	LCH	TN	VL	1.11580	0.00044	PASS
					VN	-12.64572	-0.00504	PASS
					VH	-7.99656	-0.00319	PASS
			MCH	TN	VL	-1.53065	-0.00060	PASS
					VN	-6.58035	-0.00260	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	-3.37601	-0.00133	PASS
					VL	0.17166	0.00007	PASS
					VN	-0.27180	-0.00011	PASS
					VH	-0.82970	-0.00032	PASS
			LCH	TN	VL	-9.92775	-0.00397	PASS
					VN	-45.17555	-0.01805	PASS
					VH	-20.22743	-0.00808	PASS
					VL	-0.17166	-0.00007	PASS
			MCH	TN	VN	-10.32829	-0.00407	PASS
					VH	-1.04427	-0.00041	PASS
					VL	-22.28737	-0.00868	PASS
					VN	-16.79420	-0.00654	PASS
		HCH	TN	VH	-34.14631	-0.01330	PASS	
				VL	0.00000	0.00000	PASS	
				VN	-10.27107	-0.00410	PASS	
				VH	-1.04427	-0.00042	PASS	
		10	LCH	TN	VL	3.79086	0.00150	PASS
					VN	-19.35482	-0.00764	PASS
					VH	-9.32694	-0.00368	PASS
					VL	3.69072	0.00144	PASS
			MCH	TN	VN	-1.54495	-0.00060	PASS
					VH	-3.10421	-0.00121	PASS
					VL	-0.01431	-0.00001	PASS
					VN	0.71526	0.00029	PASS
			HCH	TN	VH	2.46048	0.00098	PASS
					VL	0.62943	0.00025	PASS
					VN	-2.24590	-0.00089	PASS
					VH	0.71526	0.00028	PASS
		15	LCH	TN	VL	-2.57492	-0.00100	PASS
					VN	0.80109	0.00031	PASS
					VH	3.89099	0.00152	PASS
					VL	0.82970	0.00033	PASS
			MCH	TN	VN	-4.77791	-0.00190	PASS
					VH	-0.04292	-0.00002	PASS
					VL	0.42915	0.00017	PASS
					VN	-3.61919	-0.00143	PASS
			HCH	TN	VH	-0.17166	-0.00007	PASS
					VL	1.24455	0.00049	PASS
					VN			
					VH			
		20	LCH	TN	VL			
					VN			
					VH			
					VL			
			MCH	TN	VN			
					VH			
					VL			
					VN			
HCH	TN		VH					
			VL					
			VN					
			VH					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	1.97411	0.00077	PASS
					VH	1.77383	0.00069	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
Band7	LTE/TM1	5	LCH	VN	-30	-4.32015	-0.00173	PASS
					-20	-7.08103	-0.00283	PASS
					-10	-1.33038	-0.00053	PASS
					0	-9.25541	-0.00370	PASS
					10	-5.79357	-0.00232	PASS
					20	-3.33309	-0.00133	PASS
					30	-3.69072	-0.00147	PASS
			40	-5.00679	-0.00200	PASS		
			50	-4.47750	-0.00179	PASS		
			MCH	VN	-30	-8.74043	-0.00345	PASS
					-20	-9.06944	-0.00358	PASS
					-10	-43.43033	-0.01713	PASS
					0	-10.08511	-0.00398	PASS
					10	-10.48565	-0.00414	PASS
		20			-13.43250	-0.00530	PASS	
		30			-35.77709	-0.01411	PASS	
		40	-10.12802	-0.00400	PASS			
		50	-10.47134	-0.00413	PASS			
		HCH	VN	-30	-44.57474	-0.01736	PASS	
				-20	-20.88547	-0.00813	PASS	
				-10	-50.58289	-0.01970	PASS	
				0	-52.78587	-0.02056	PASS	
				10	-25.66338	-0.01000	PASS	
				20	-21.47198	-0.00836	PASS	
				30	-23.57483	-0.00918	PASS	
		40	-23.54622	-0.00917	PASS			
		50	-24.90520	-0.00970	PASS			
		10	LCH	VN	-30	-11.97338	-0.00478	PASS
-20	-15.17773				-0.00606	PASS		
-10	-13.48972				-0.00539	PASS		
0	-14.44817				-0.00577	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	-19.06872	-0.00761	PASS			
					20	-15.16342	-0.00605	PASS			
					30	-18.85414	-0.00753	PASS			
					40	-12.73155	-0.00508	PASS			
					50	-16.90865	-0.00675	PASS			
			MCH	VN	-30	-2.76089	-0.00109	PASS			
					-20	-20.01286	-0.00789	PASS			
					-10	-3.21865	-0.00127	PASS			
					0	-19.34052	-0.00763	PASS			
					10	-5.62191	-0.00222	PASS			
					20	-4.89235	-0.00193	PASS			
					30	-4.94957	-0.00195	PASS			
					40	-2.70367	-0.00107	PASS			
					50	-7.85351	-0.00310	PASS			
					HCH	VN	-30	-4.42028	-0.00172	PASS	
			-20	-6.46591			-0.00252	PASS			
			-10	-6.33717			-0.00247	PASS			
			0	-19.82689			-0.00773	PASS			
			10	-2.77519			-0.00108	PASS			
			20	-17.30919			-0.00675	PASS			
			30	-17.45224			-0.00680	PASS			
			40	-7.06673			-0.00276	PASS			
			15			LCH	VN	-30	-9.74178	-0.00389	PASS
								-20	-9.19819	-0.00367	PASS
								-10	-10.67162	-0.00426	PASS
		0						-11.65867	-0.00465	PASS	
		10						-10.44273	-0.00416	PASS	
		20						-11.40118	-0.00455	PASS	
		30						-10.54287	-0.00420	PASS	
		40						-14.39095	-0.00574	PASS	
		50			-13.47542	-0.00537	PASS				
		MCH			VN	-30	-4.69208	-0.00185	PASS		
						-20	-1.81675	-0.00072	PASS		
-10	-3.41892					-0.00135	PASS				
0	-4.76360					-0.00188	PASS				
10	-54.88873		-0.02165	PASS							
20	-5.03540	-0.00199	PASS								
30	-1.30177	-0.00051	PASS								

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	-7.28130	-0.00287	PASS		
					50	-3.99113	-0.00157	PASS		
					HCH	VN	-30	-4.46320	-0.00174	PASS
							-20	-4.83513	-0.00189	PASS
							-10	-11.11507	-0.00434	PASS
			0	-2.14577			-0.00084	PASS		
			10	-3.94821			-0.00154	PASS		
			20	-5.76496	-0.00225	PASS				
			30	-7.89642	-0.00308	PASS				
			40	-5.95093	-0.00232	PASS				
			50	-8.11100	-0.00317	PASS				
			20	LCH	VN	-30	-11.00063	-0.00438	PASS	
						-20	-11.81602	-0.00471	PASS	
						-10	-10.12802	-0.00404	PASS	
						0	-12.20226	-0.00486	PASS	
		10				-13.54694	-0.00540	PASS		
		20				-12.64572	-0.00504	PASS		
		30				-12.81738	-0.00511	PASS		
		40				-13.27515	-0.00529	PASS		
		50		-15.00607	-0.00598	PASS				
		MCH		VN	-30	-4.17709	-0.00165	PASS		
					-20	-2.80380	-0.00111	PASS		
					-10	-2.10285	-0.00083	PASS		
					0	-4.79221	-0.00189	PASS		
					10	-5.49316	-0.00217	PASS		
					20	-6.58035	-0.00260	PASS		
			30		-6.42300	-0.00253	PASS			
		40	-5.22137	-0.00206	PASS					
		50	-4.97818	-0.00196	PASS					
		HCH	VN	-30	-2.90394	-0.00113	PASS			
				-20	-0.98705	-0.00039	PASS			
				-10	-1.51634	-0.00059	PASS			
				0	-1.21593	-0.00047	PASS			
				10	0.12875	0.00005	PASS			
				20	-0.27180	-0.00011	PASS			
				30	-1.23024	-0.00048	PASS			
				40	-1.14441	-0.00045	PASS			
		50	0.61512	0.00024	PASS					
		LTE/TM2	5	LCH	VN	-30	-40.94124	-0.01636	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		10			-20	-42.84382	-0.01712	PASS	
					-10	-44.76070	-0.01789	PASS	
					0	-46.56315	-0.01861	PASS	
					10	-42.31453	-0.01691	PASS	
					20	-45.17555	-0.01805	PASS	
					30	-46.44871	-0.01856	PASS	
					40	-49.26682	-0.01969	PASS	
					50	-50.96912	-0.02037	PASS	
			MCH	VN	-30	-6.99520	-0.00276	PASS	
					-20	-6.96659	-0.00275	PASS	
					-10	-37.46510	-0.01478	PASS	
					0	-6.93798	-0.00274	PASS	
					10	-27.72331	-0.01094	PASS	
					20	-10.32829	-0.00407	PASS	
					30	-8.12531	-0.00321	PASS	
					40	-28.68176	-0.01131	PASS	
			HCH	VN	-30	-12.86030	-0.00501	PASS	
					-20	-34.58977	-0.01347	PASS	
					-10	-47.19257	-0.01838	PASS	
					0	-53.38669	-0.02079	PASS	
					10	-15.40661	-0.00600	PASS	
					20	-16.79420	-0.00654	PASS	
					30	-30.25532	-0.01178	PASS	
					40	-14.11915	-0.00550	PASS	
			10	LCH	VN	-30	-6.92368	-0.00276	PASS
						-20	-6.22272	-0.00248	PASS
						-10	-10.27107	-0.00410	PASS
						0	-4.54903	-0.00182	PASS
		10				-7.43866	-0.00297	PASS	
		20				-10.27107	-0.00410	PASS	
		30				-7.92503	-0.00316	PASS	
		40				-17.89570	-0.00714	PASS	
		50		-10.87189	-0.00434	PASS			
		MCH		VN	-30	0.37193	0.00015	PASS	
					-20	-16.65115	-0.00657	PASS	
					-10	-0.75817	-0.00030	PASS	
			0		-2.51770	-0.00099	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict								
					10	-3.61919	-0.00143	PASS								
					20	-19.35482	-0.00764	PASS								
					30	-3.56197	-0.00141	PASS								
					40	-2.94685	-0.00116	PASS								
					50	-2.88963	-0.00114	PASS								
			HCH	VN				-30	-1.21593	-0.00047	PASS					
								-20	-2.98977	-0.00117	PASS					
								-10	-1.94550	-0.00076	PASS					
								0	-3.27587	-0.00128	PASS					
								10	-1.25885	-0.00049	PASS					
								20	-1.54495	-0.00060	PASS					
								30	-1.81675	-0.00071	PASS					
								40	-1.31607	-0.00051	PASS					
								50	-2.07424	-0.00081	PASS					
								LCH	VN				-30	-0.34332	-0.00014	PASS
													-20	-2.28882	-0.00091	PASS
													-10	-0.81539	-0.00033	PASS
													0	-1.95980	-0.00078	PASS
													10	-1.97411	-0.00079	PASS
													20	0.71526	0.00029	PASS
		30	-1.54495	-0.00062	PASS											
		40	-2.28882	-0.00091	PASS											
		50	-4.00543	-0.00160	PASS											
		MCH	VN				-30						-1.65939	-0.00065	PASS	
							-20	-1.02997	-0.00041	PASS						
							-10	1.02997	0.00041	PASS						
							0	-4.24862	-0.00168	PASS						
							10	0.37193	0.00015	PASS						
							20	-2.24590	-0.00089	PASS						
							30	-0.35763	-0.00014	PASS						
							40	0.15736	0.00006	PASS						
		HCH	VN				50	0.01431	0.00001	PASS						
							-30	0.98705	0.00039	PASS						
							-20	0.18597	0.00007	PASS						
							-10	-3.50475	-0.00137	PASS						
							0	2.97546	0.00116	PASS						
							10	0.67234	0.00026	PASS						
							20	0.80109	0.00031	PASS						
		30	-4.94957	-0.00193	PASS											
		15														

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	1.61648	0.00063	PASS		
					50	-0.67234	-0.00026	PASS		
		20	LCH	VN	-30	-3.63350	-0.00145	PASS		
					-20	-2.36034	-0.00094	PASS		
					-10	-1.63078	-0.00065	PASS		
					0	-5.76496	-0.00230	PASS		
					10	-4.86374	-0.00194	PASS		
					20	-4.77791	-0.00190	PASS		
					30	-4.70638	-0.00188	PASS		
					40	-6.35147	-0.00253	PASS		
					50	-4.53472	-0.00181	PASS		
					MCH	VN	-30	2.30312	0.00091	PASS
							-20	-0.50068	-0.00020	PASS
							-10	-0.24319	-0.00010	PASS
		0	-0.22888	-0.00009			PASS			
		10	-1.87397	-0.00074			PASS			
		20	-3.61919	-0.00143			PASS			
		30	-0.95844	-0.00038			PASS			
		40	-0.62943	-0.00025			PASS			
		HCH	VN	-30	0.34332	0.00013	PASS			
				-20	1.84536	0.00072	PASS			
				-10	0.44346	0.00017	PASS			
				0	2.01702	0.00079	PASS			
				10	0.07153	0.00003	PASS			
				20	1.97411	0.00077	PASS			
				30	1.75953	0.00069	PASS			
				40	0.55790	0.00022	PASS			
		50	2.63214	0.00103	PASS					

END