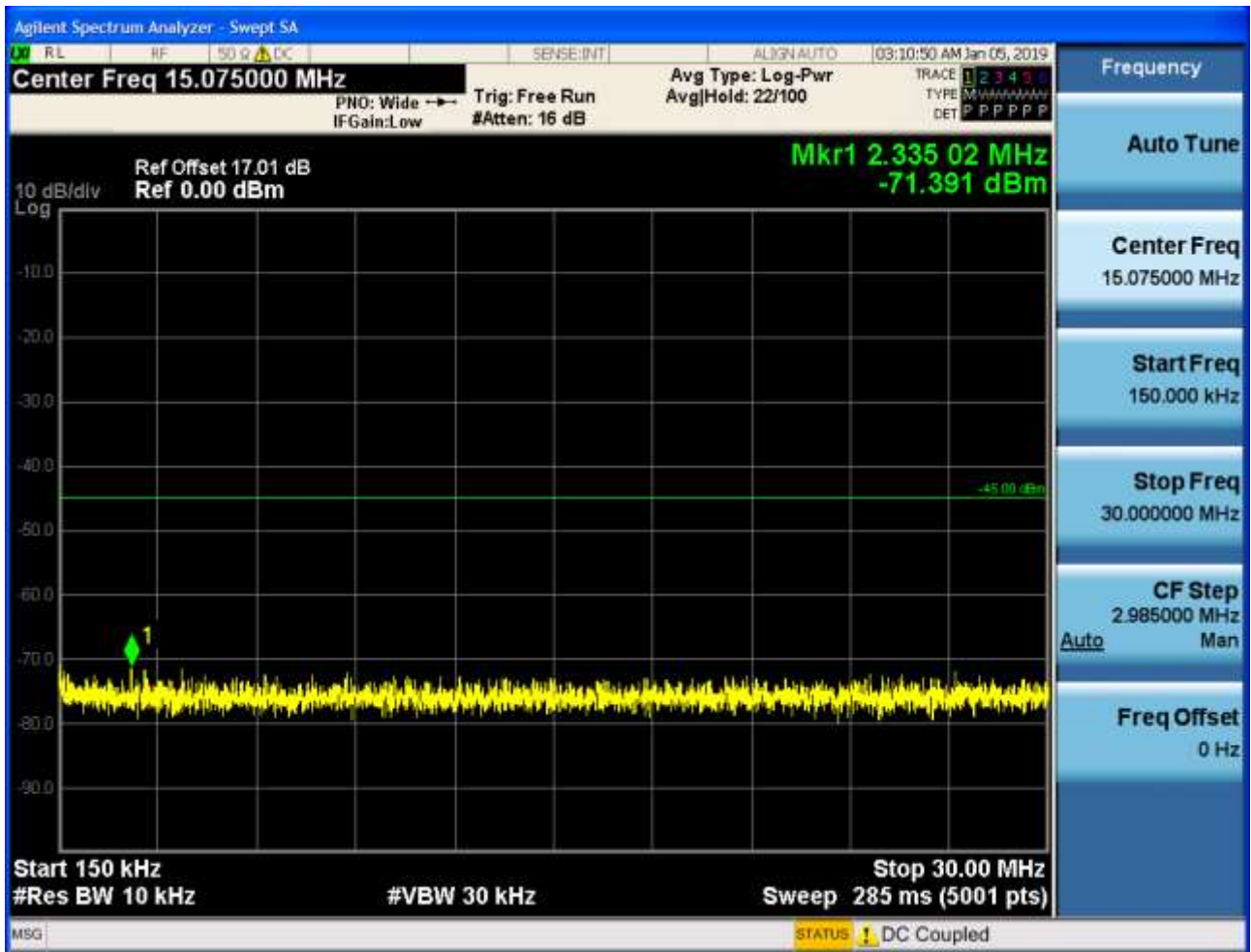
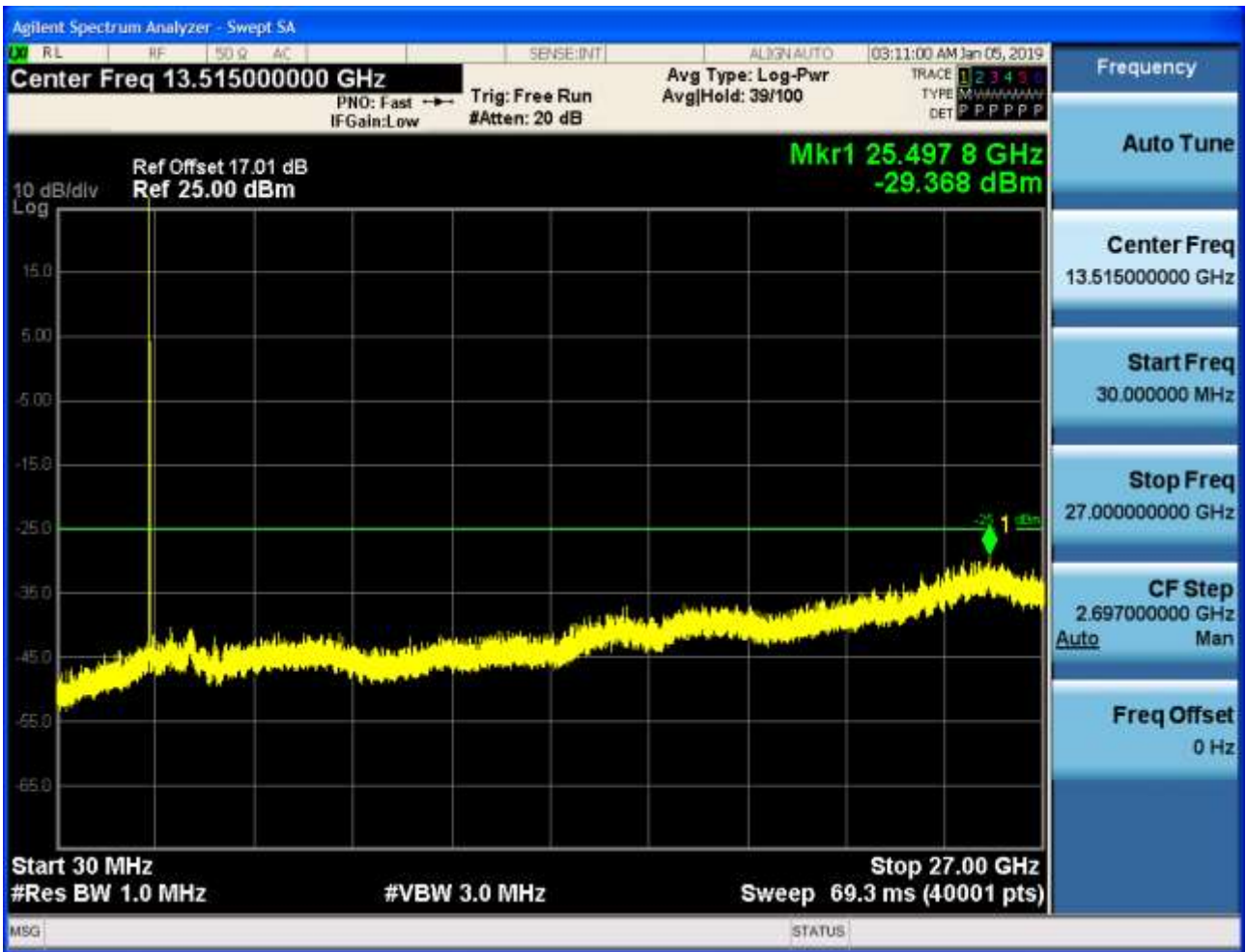


6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0



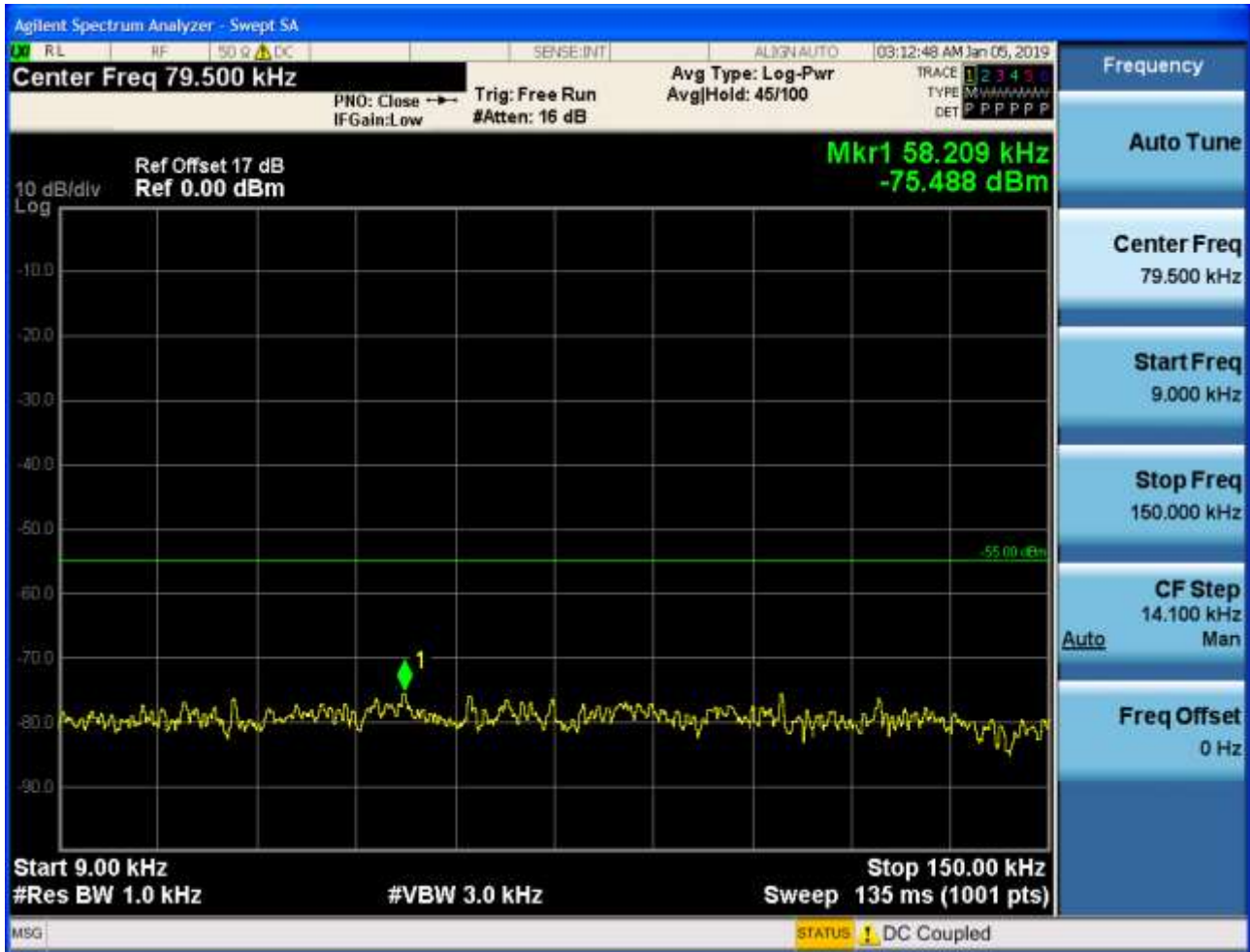


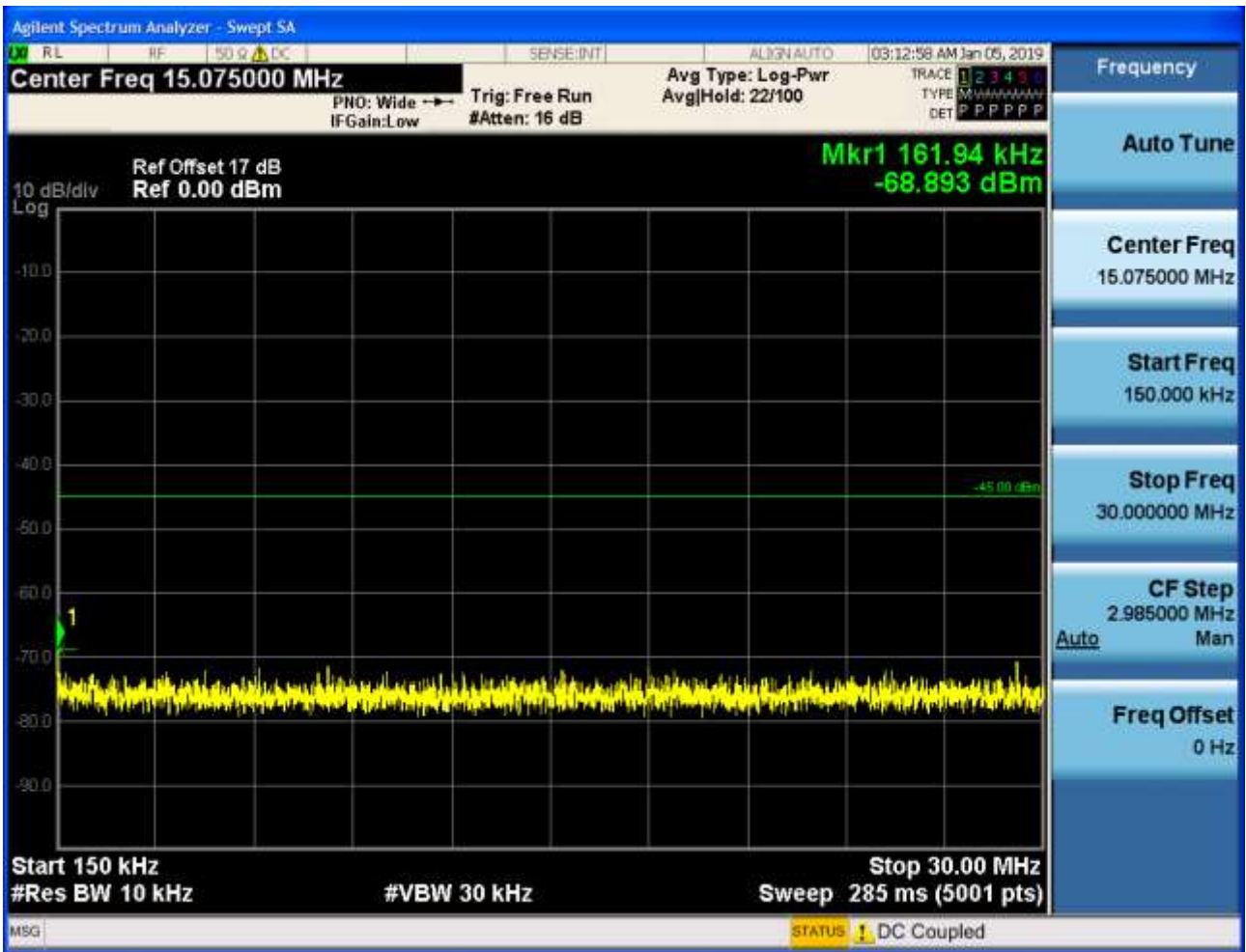


6.2.1.1.3 Test Bandwidth = 15

6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0

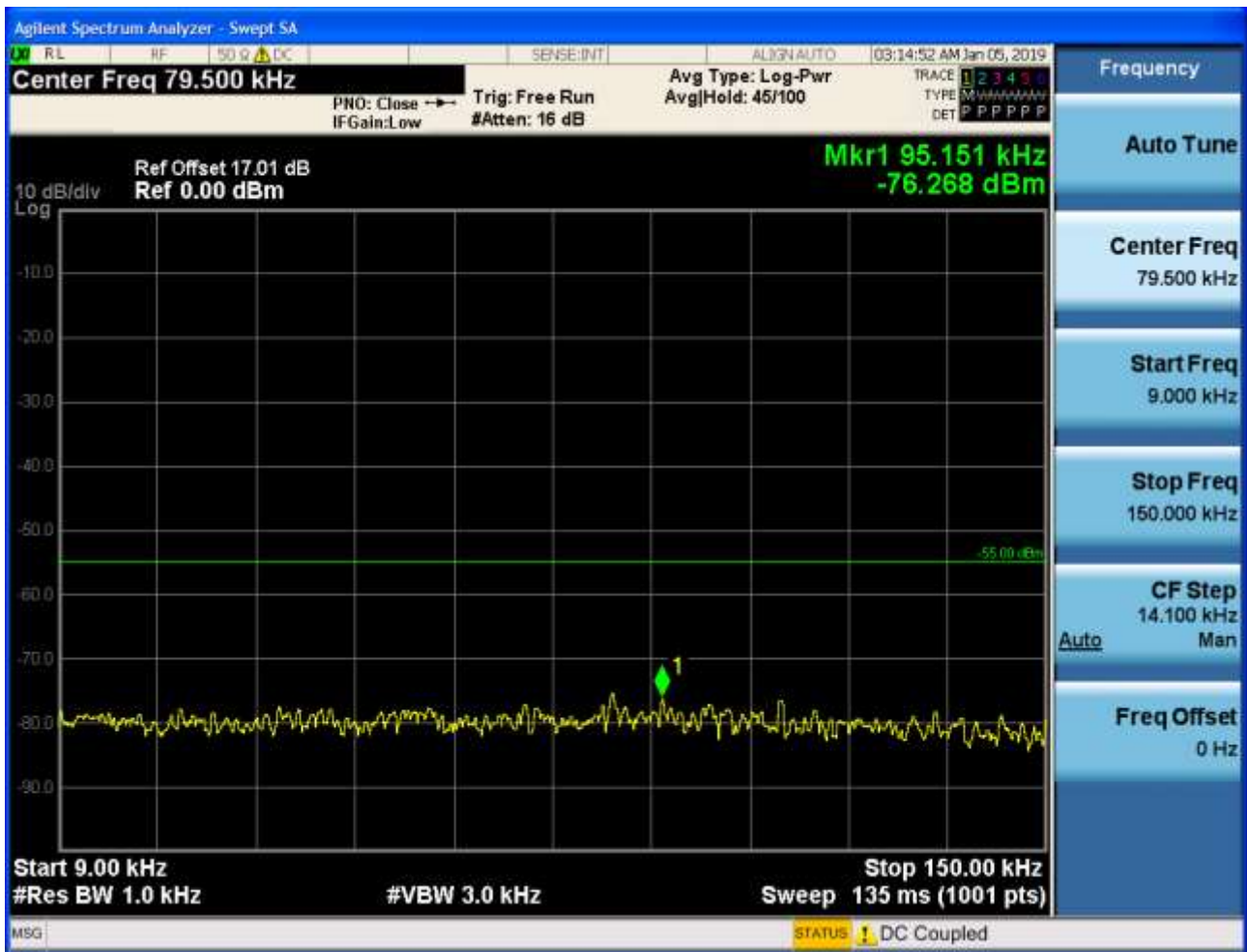


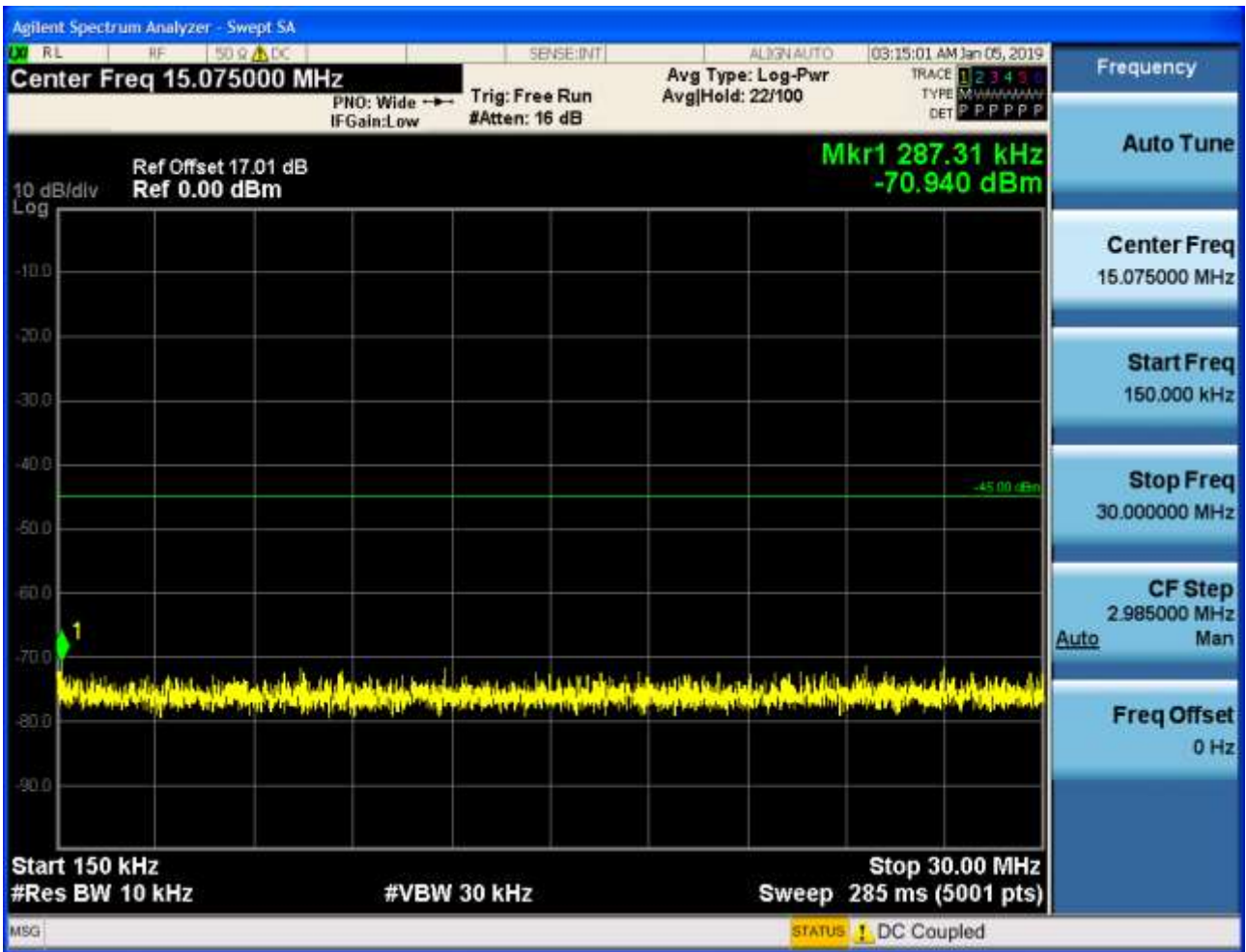




6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0



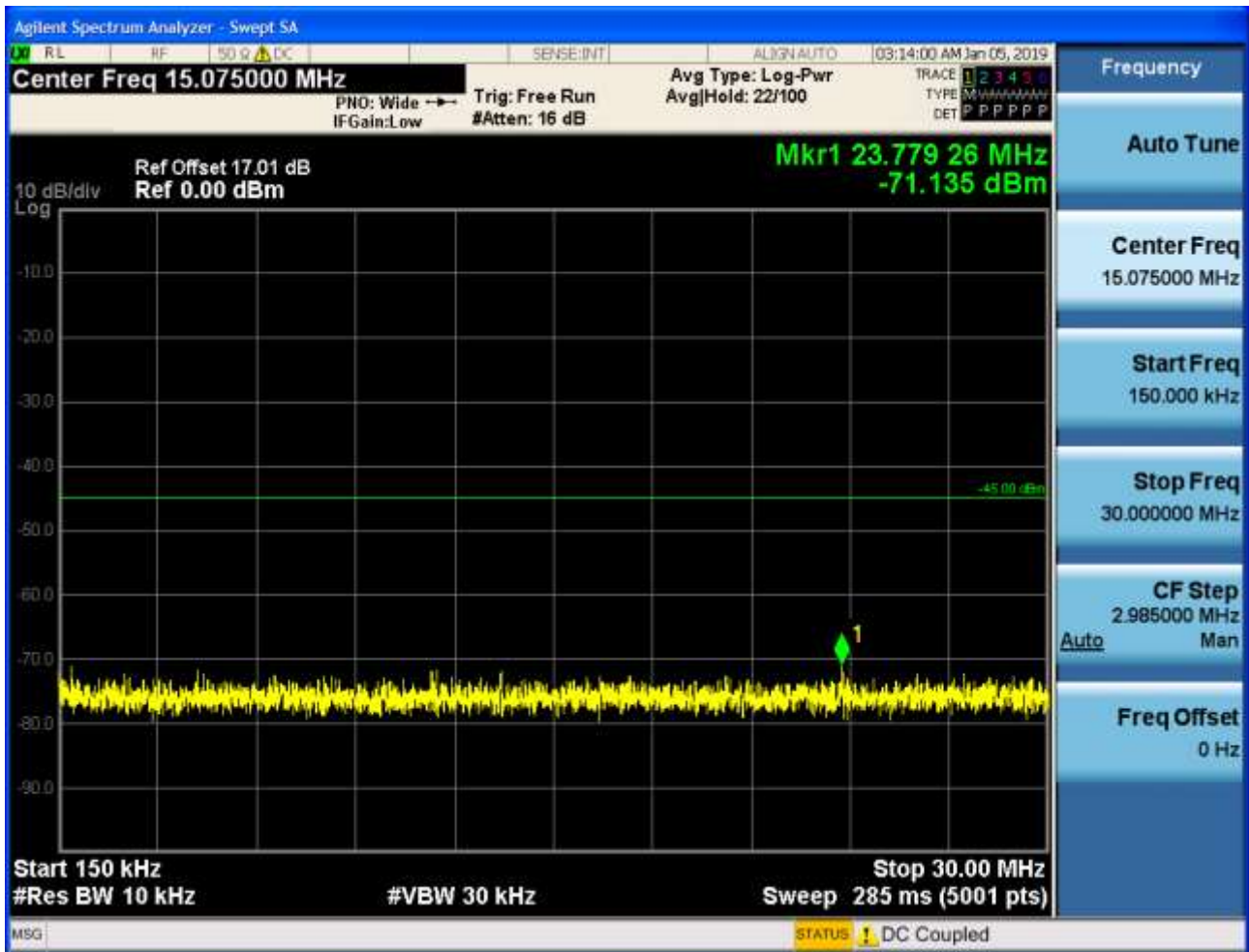




6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0



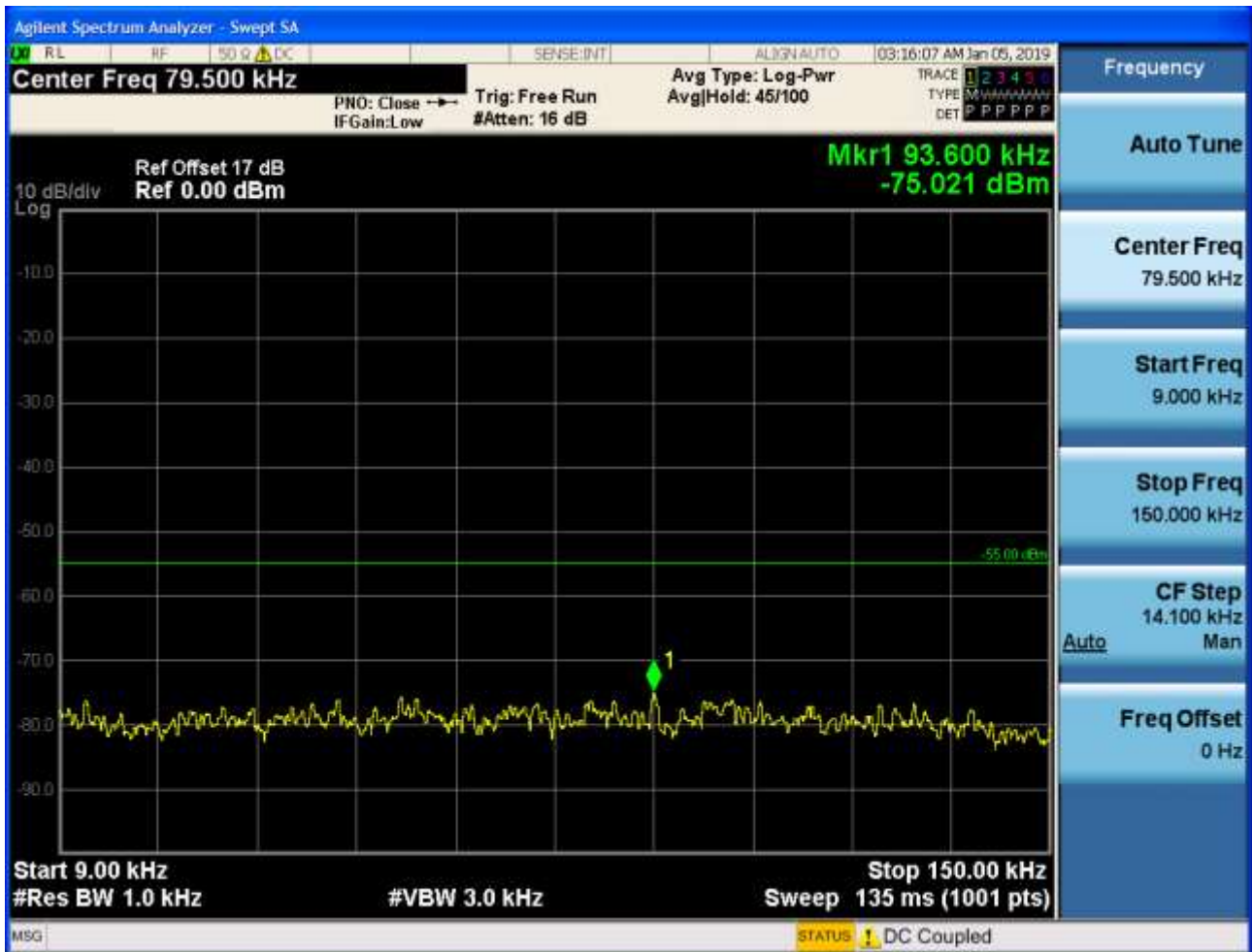




6.2.1.1.4 Test Bandwidth = 20

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0

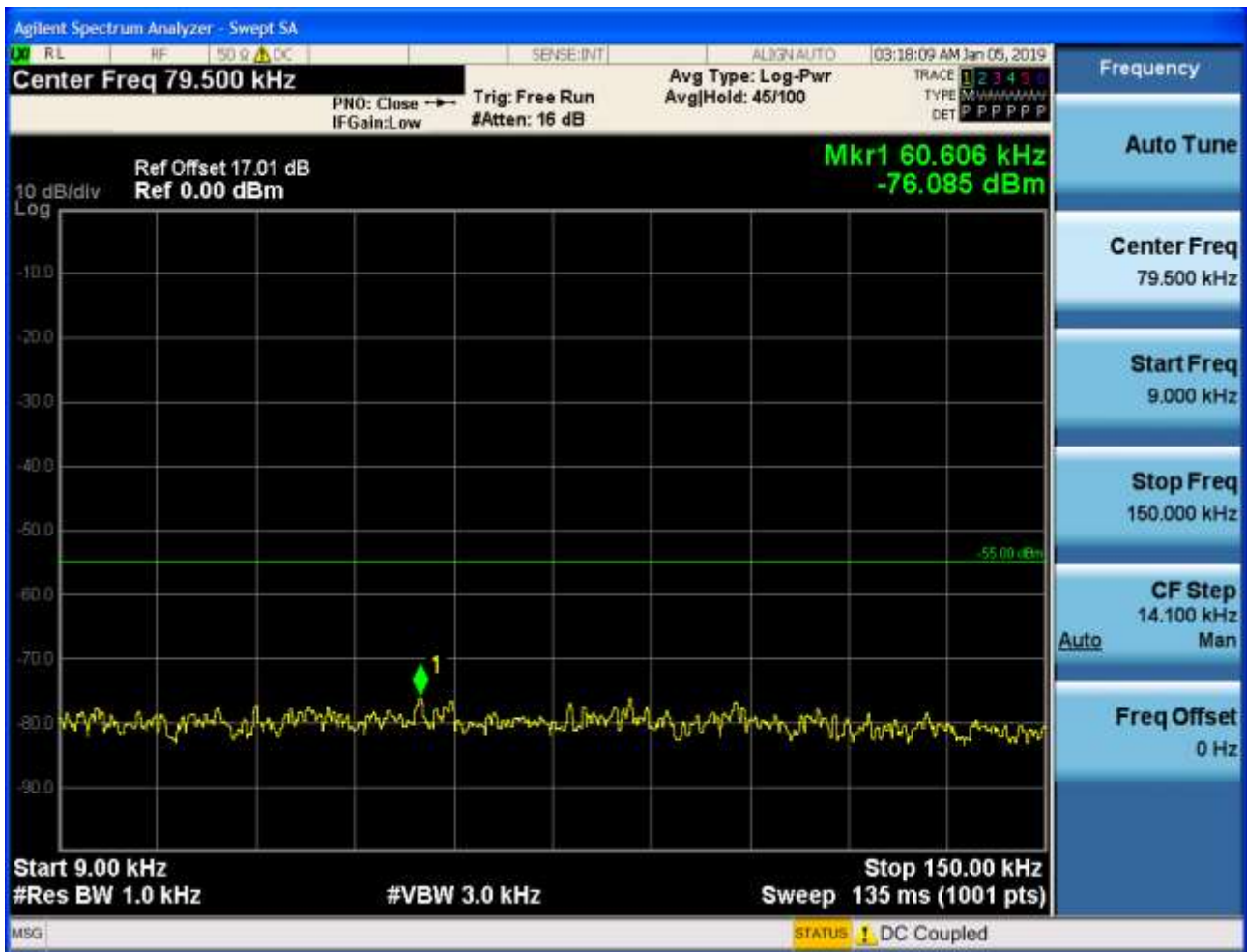


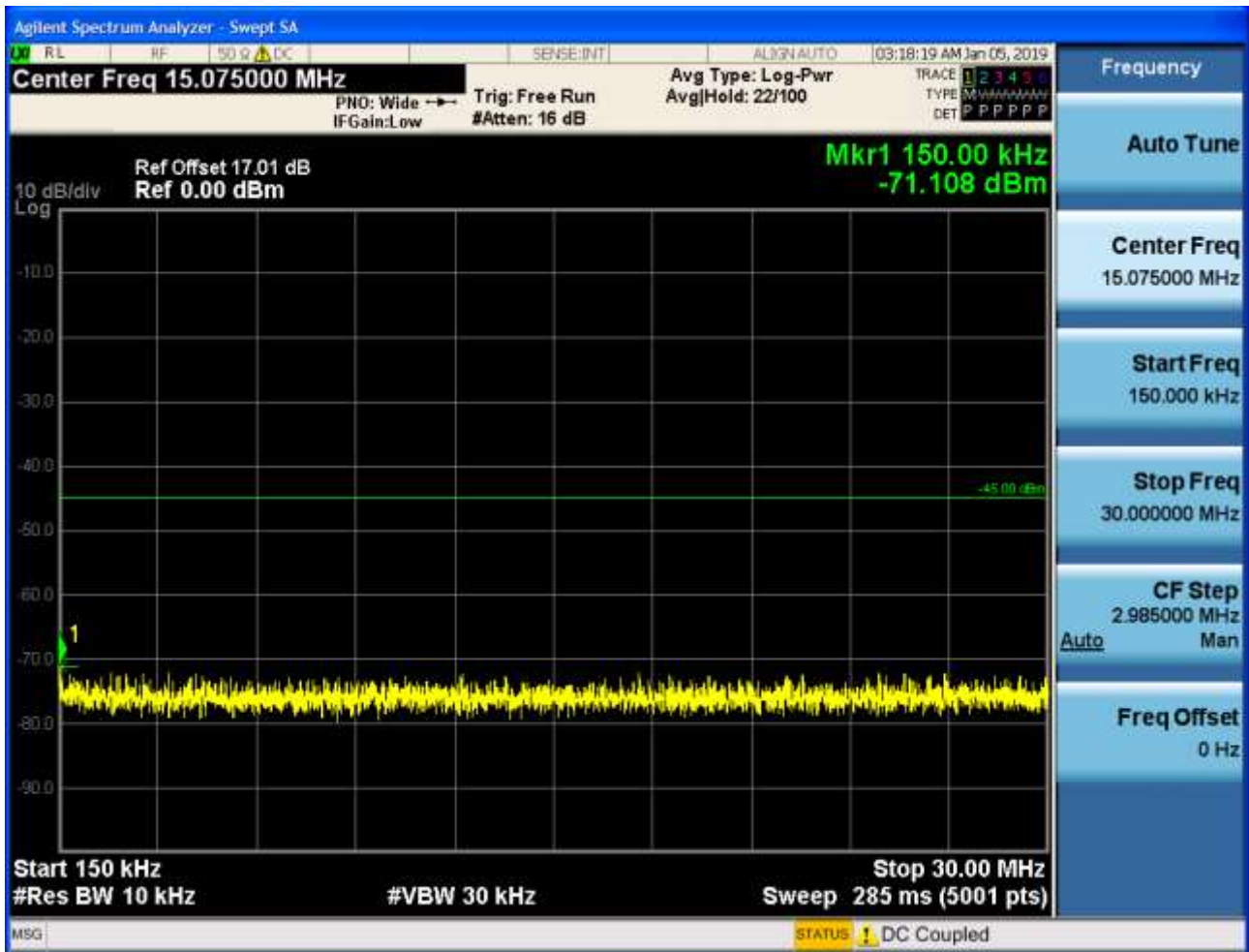




6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0



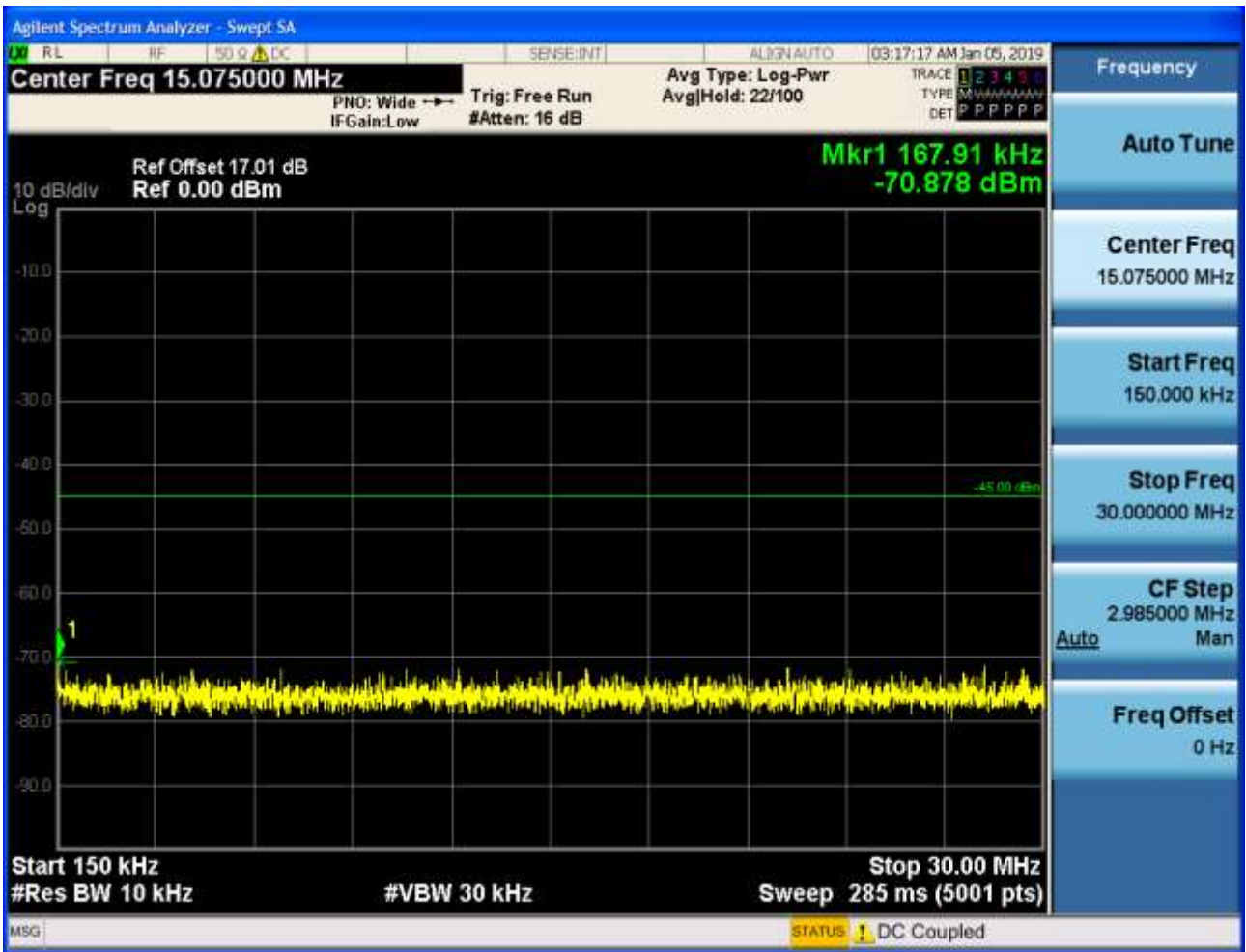




6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0







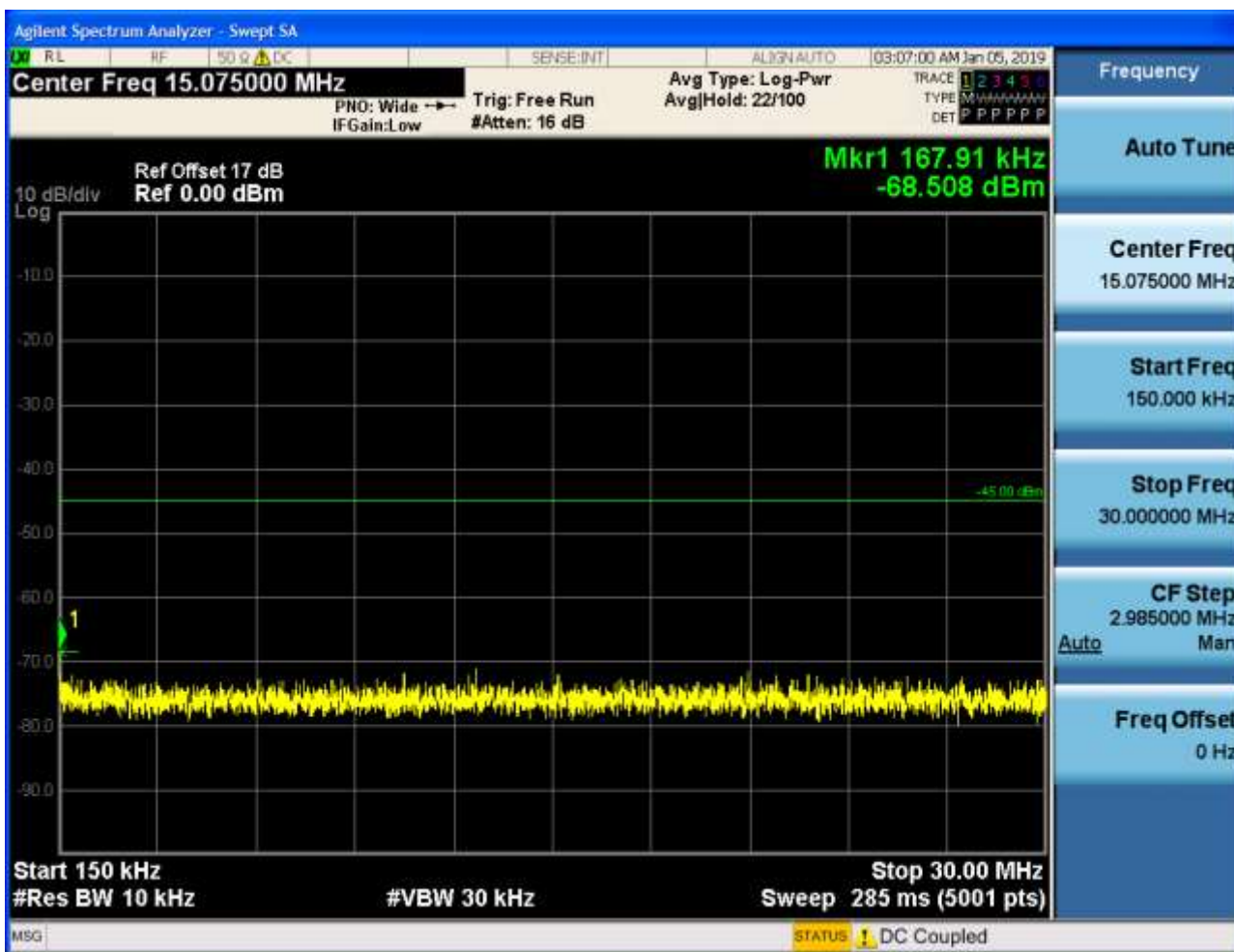
6.2.1.2 Test Mode = LTE/TM2

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



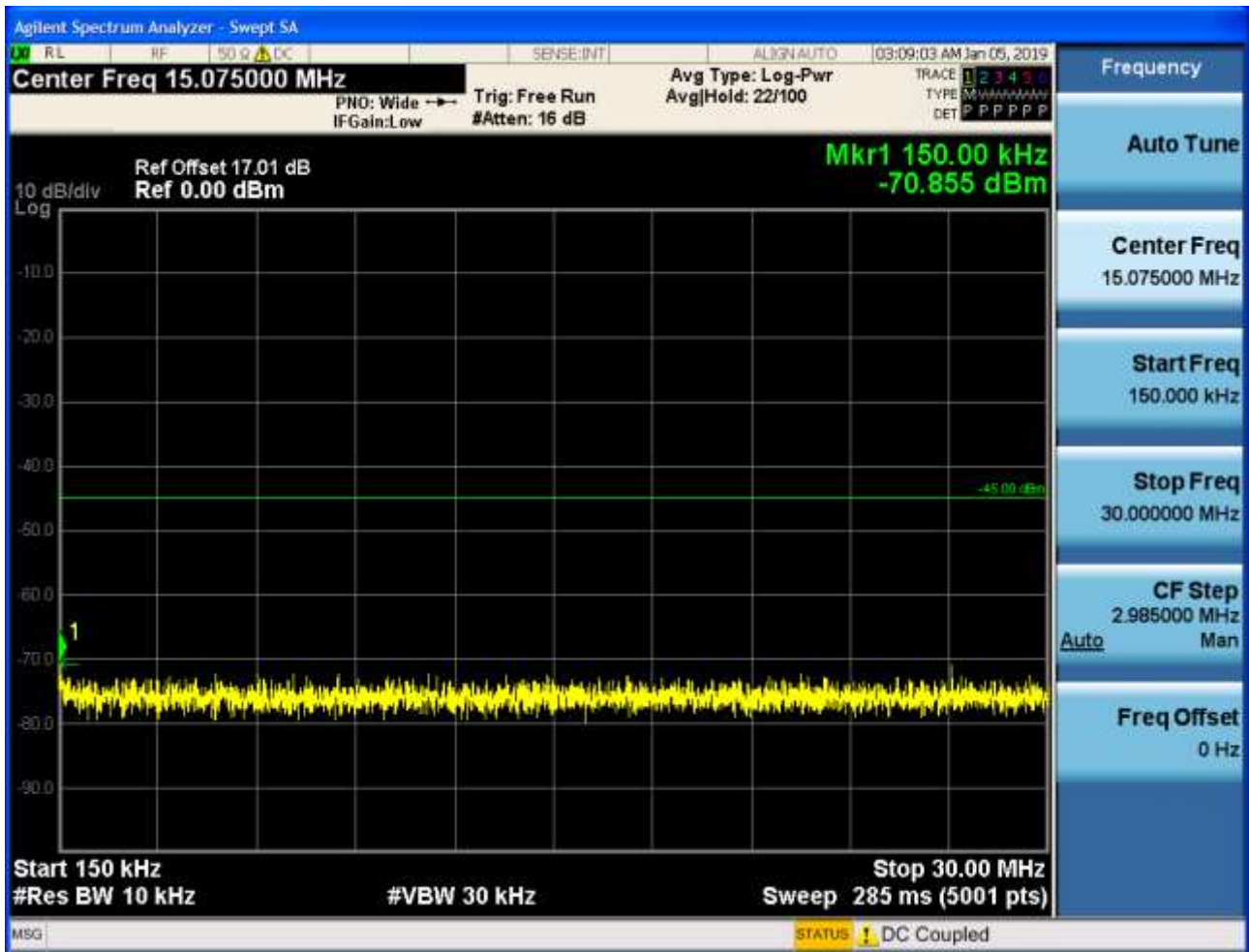




6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0



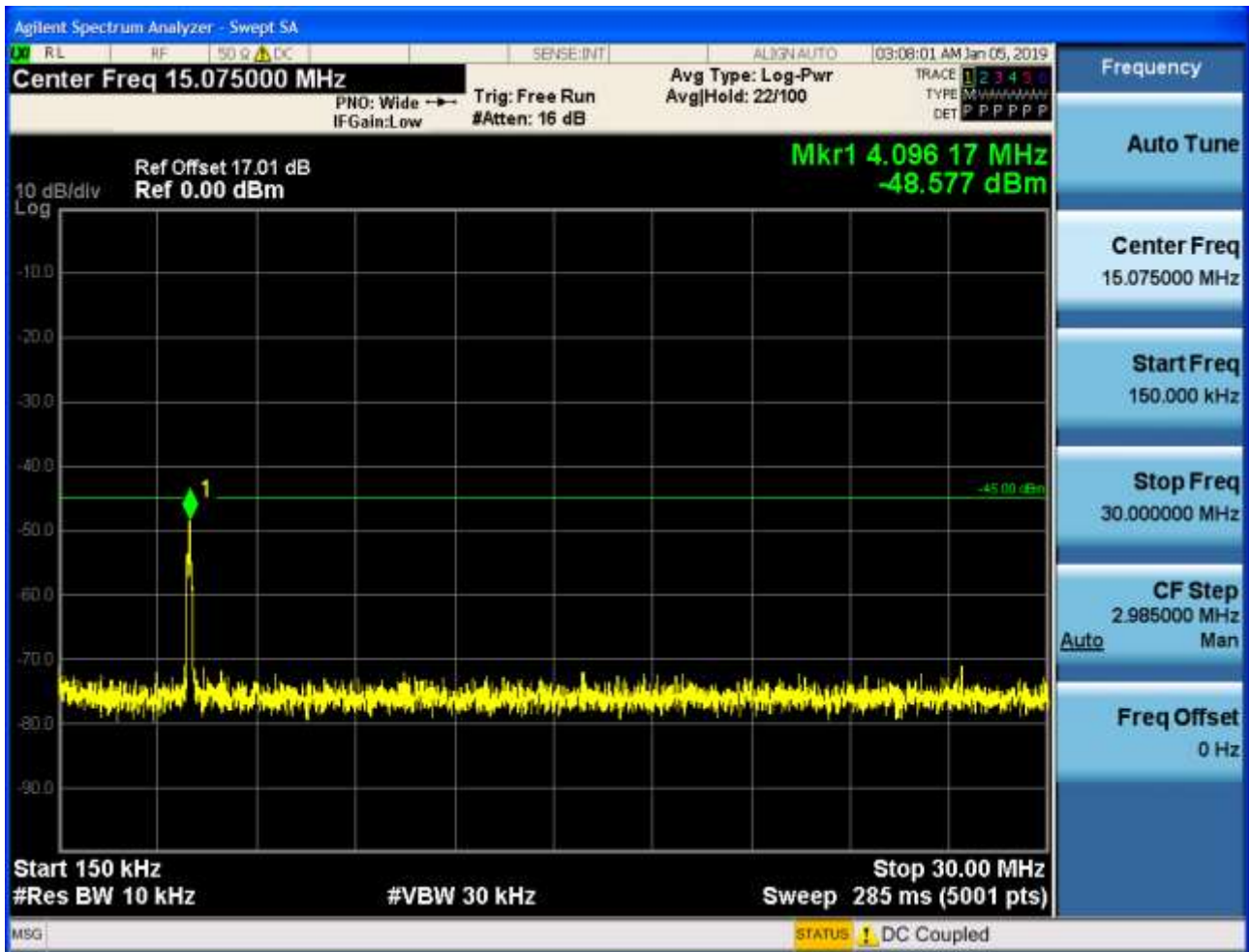


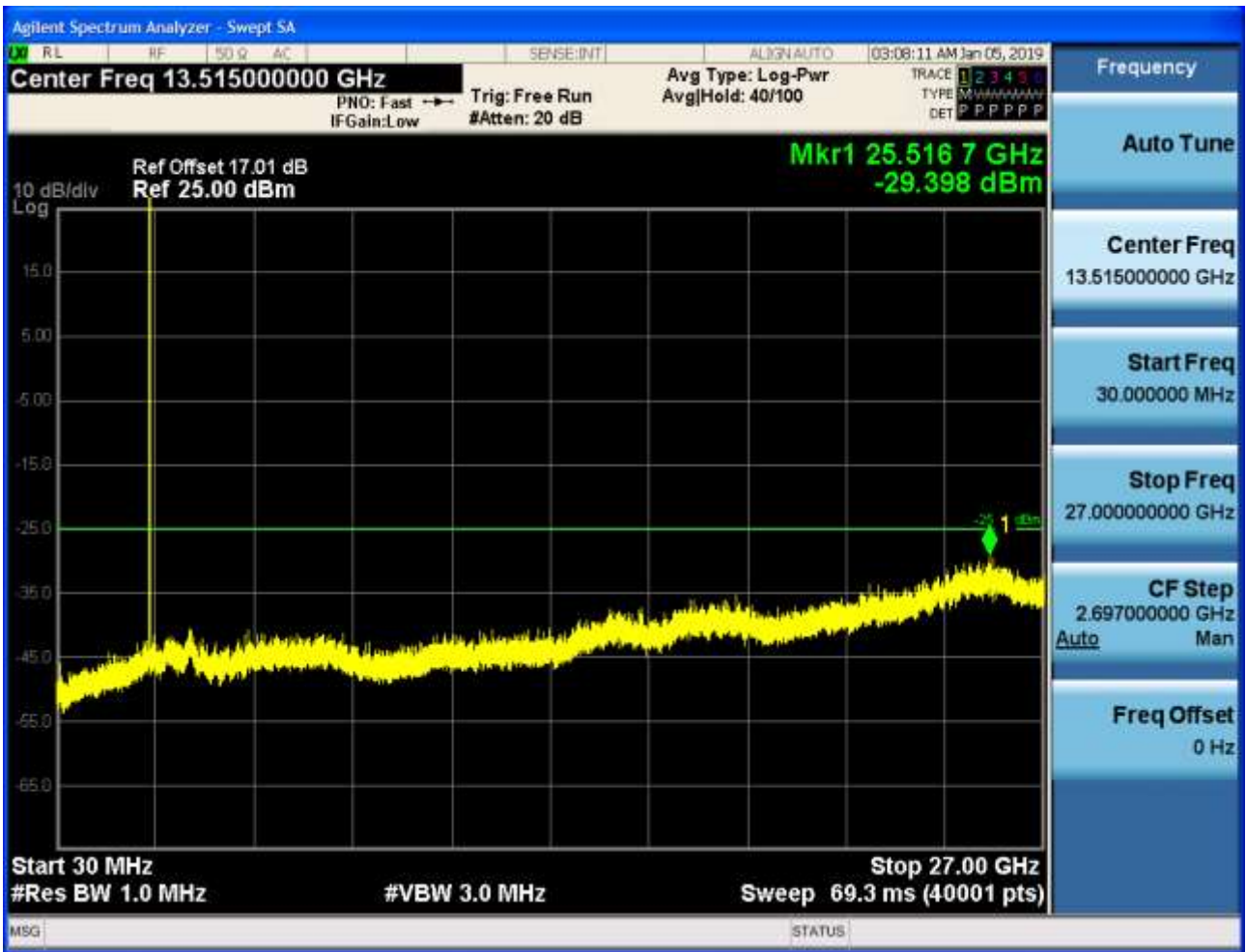


6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0



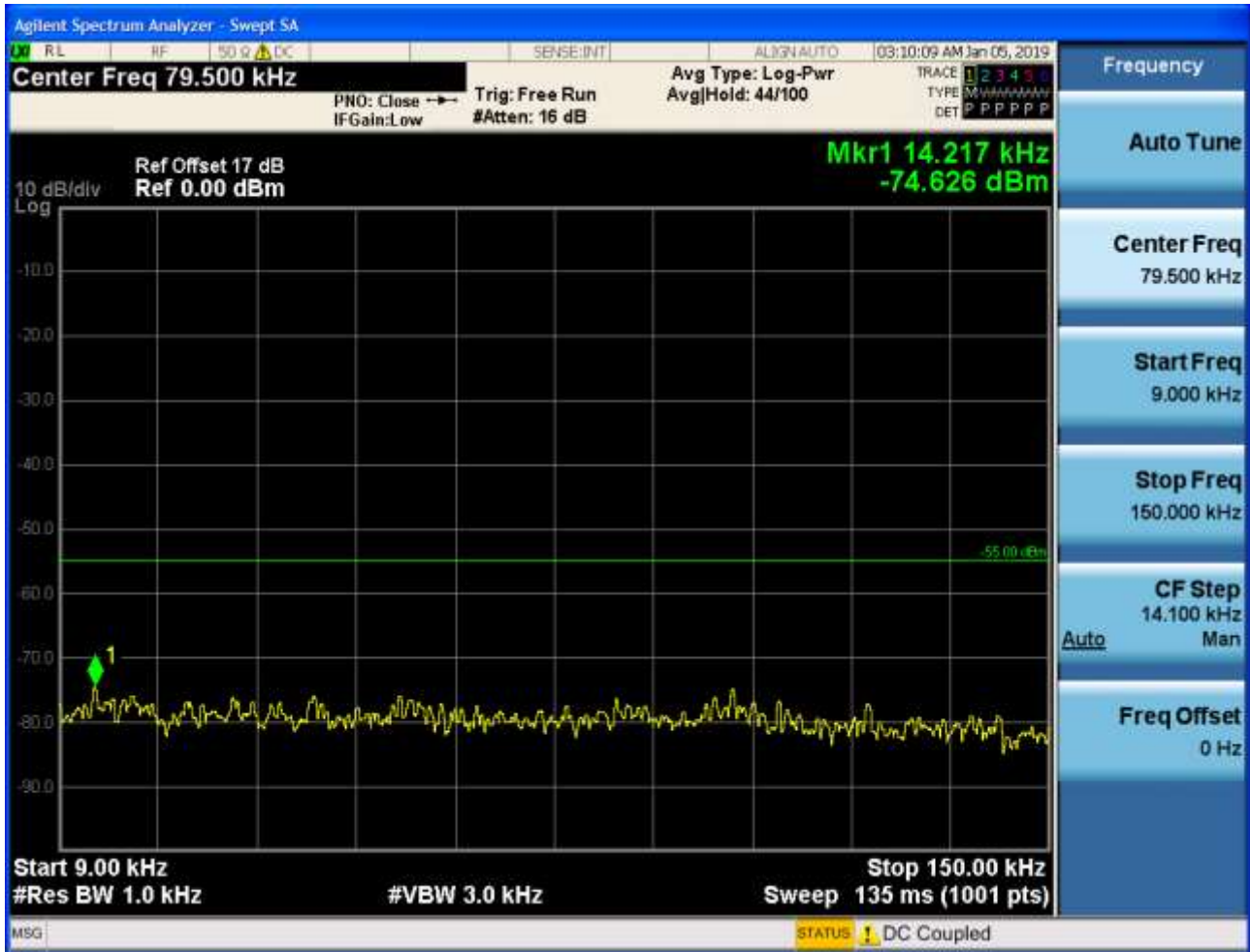


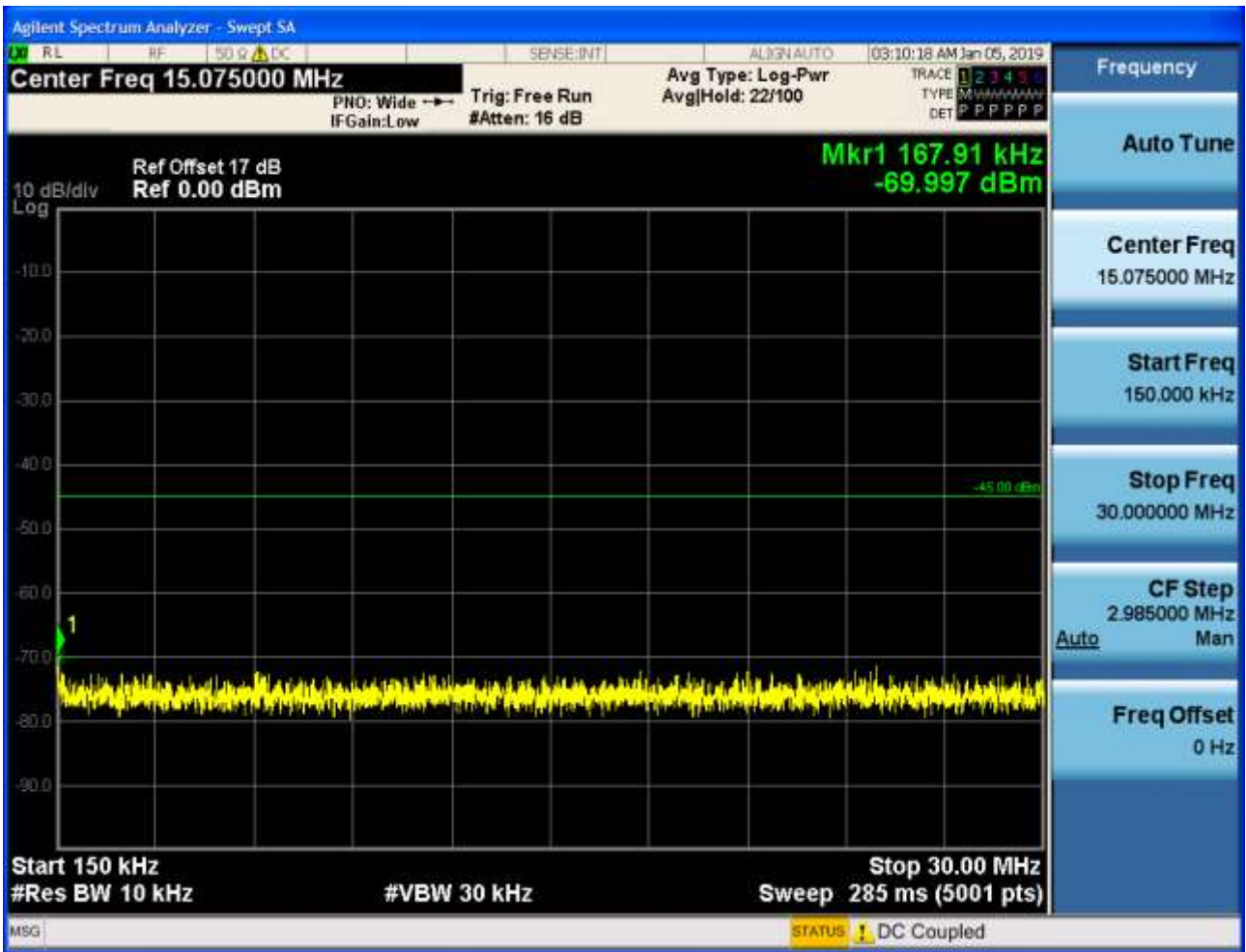


6.2.1.2.2 Test Bandwidth = 10

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0

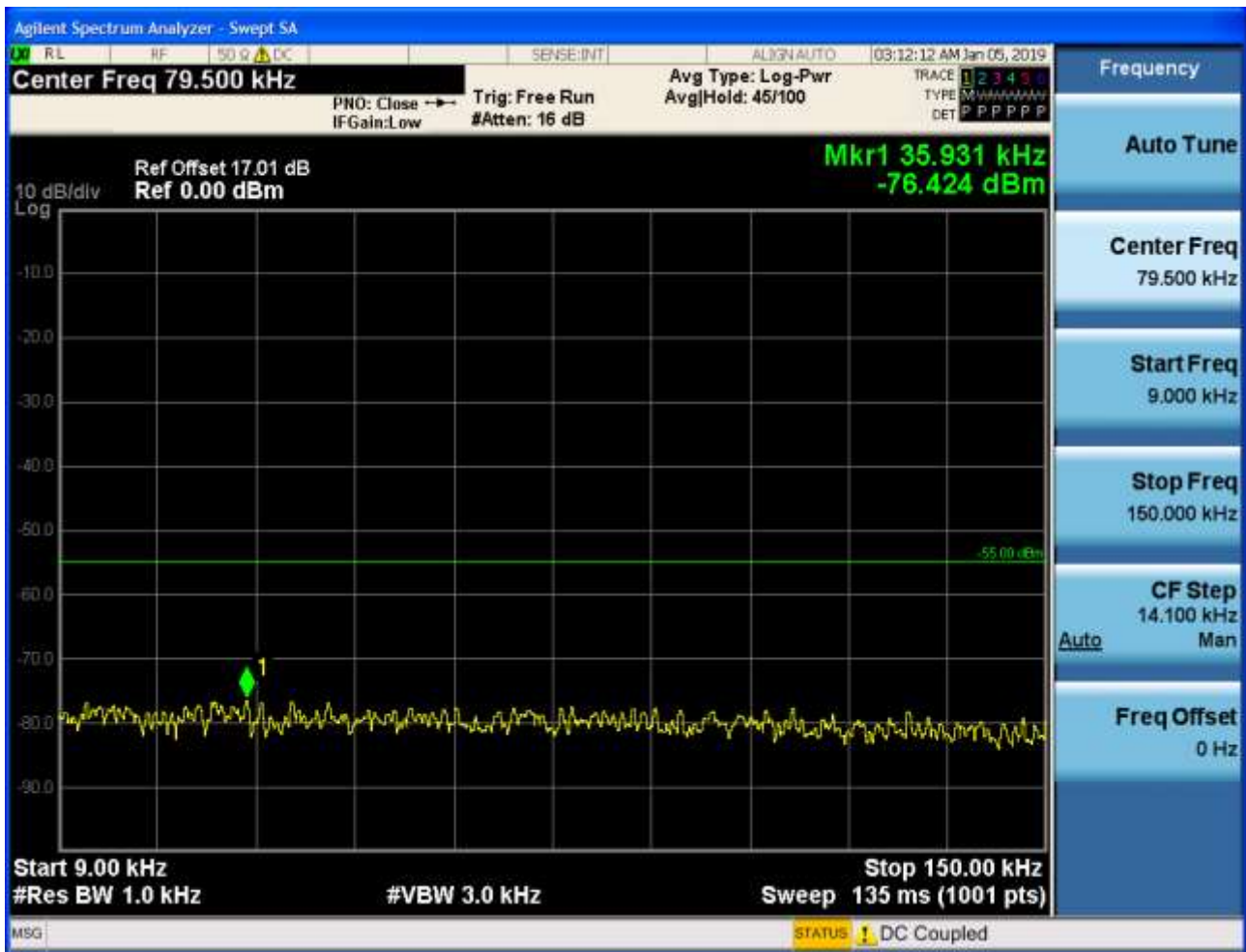


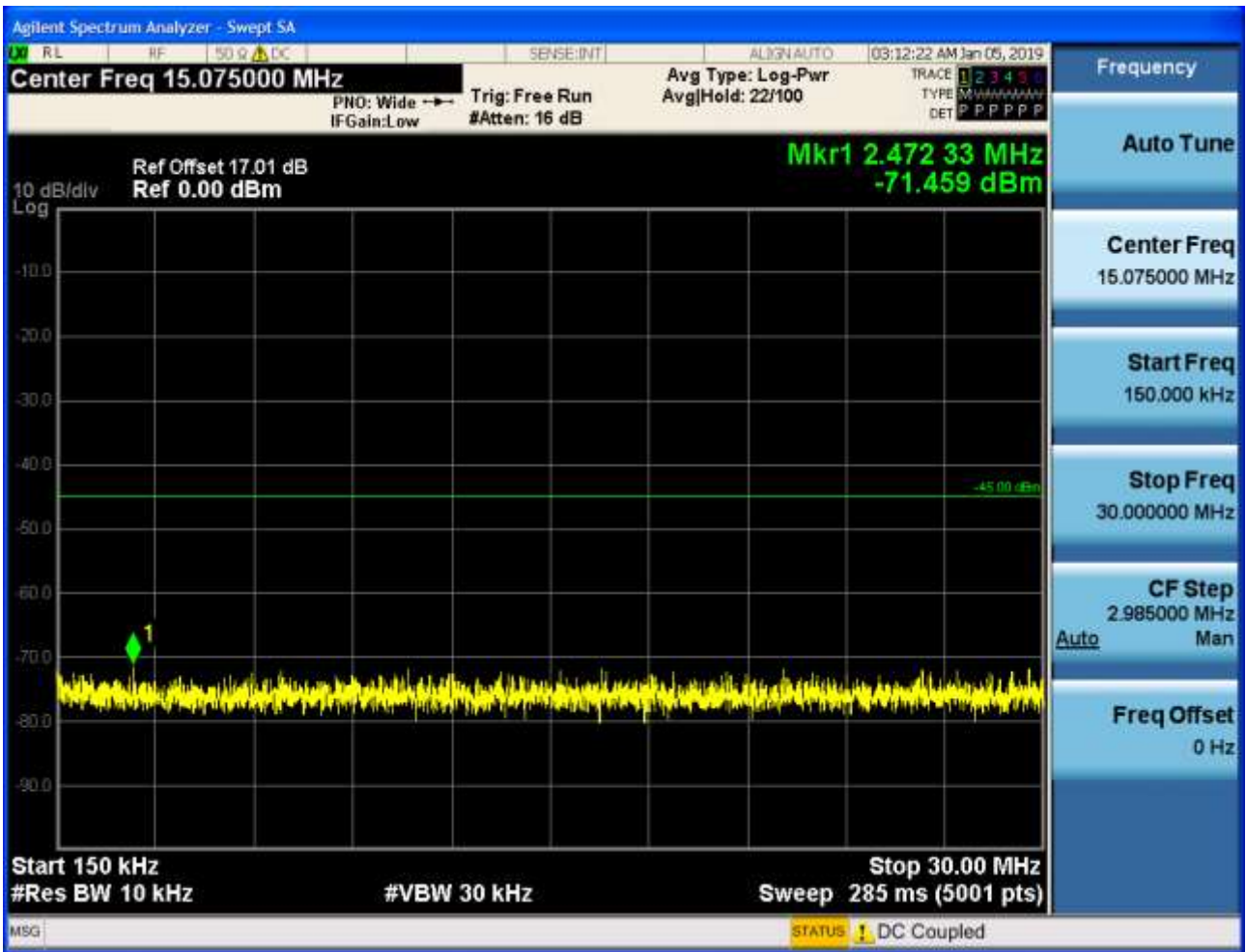


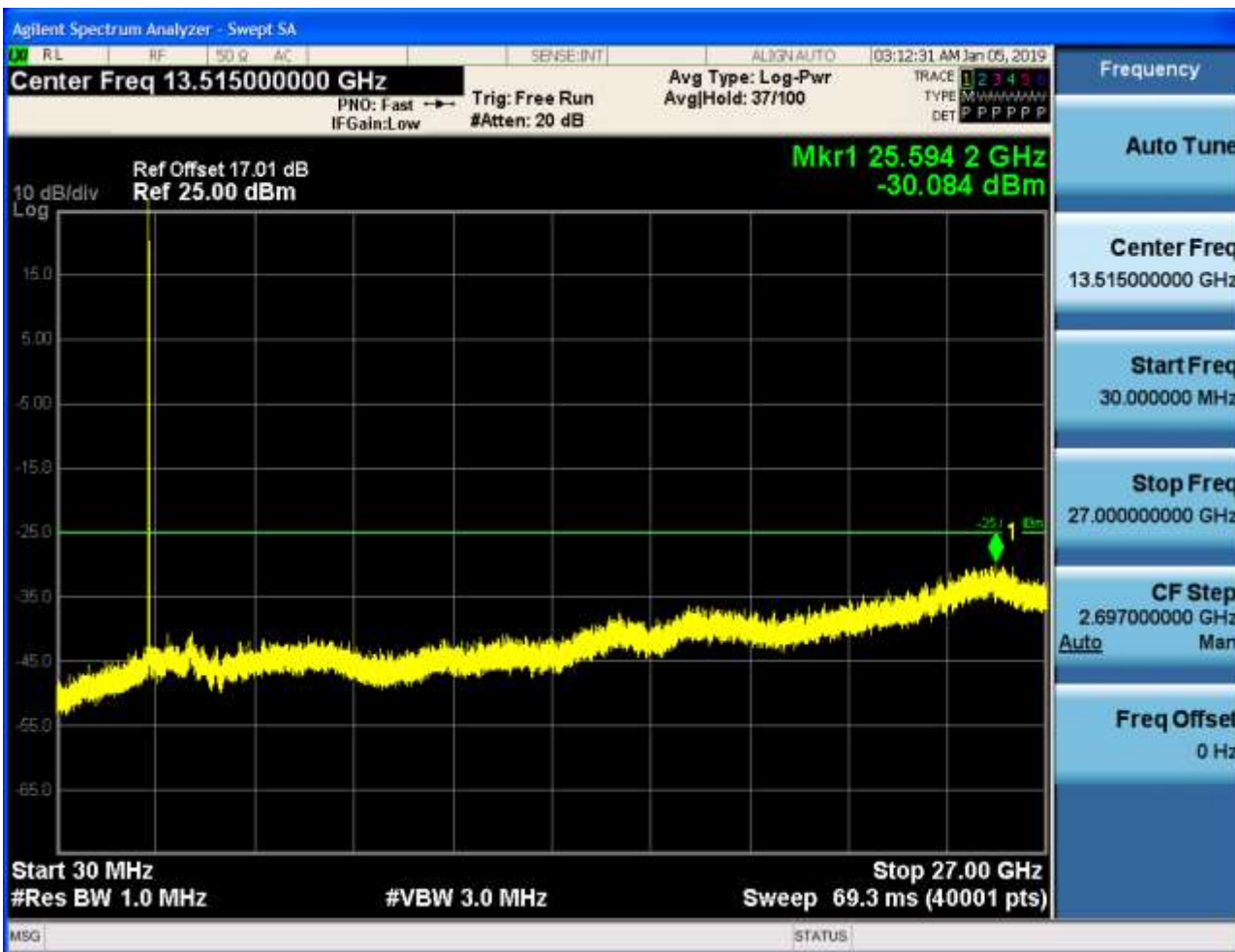


6.2.1.2.2 Test Channel = MCH

6.2.1.2.2.1 Test RB = RB1#0

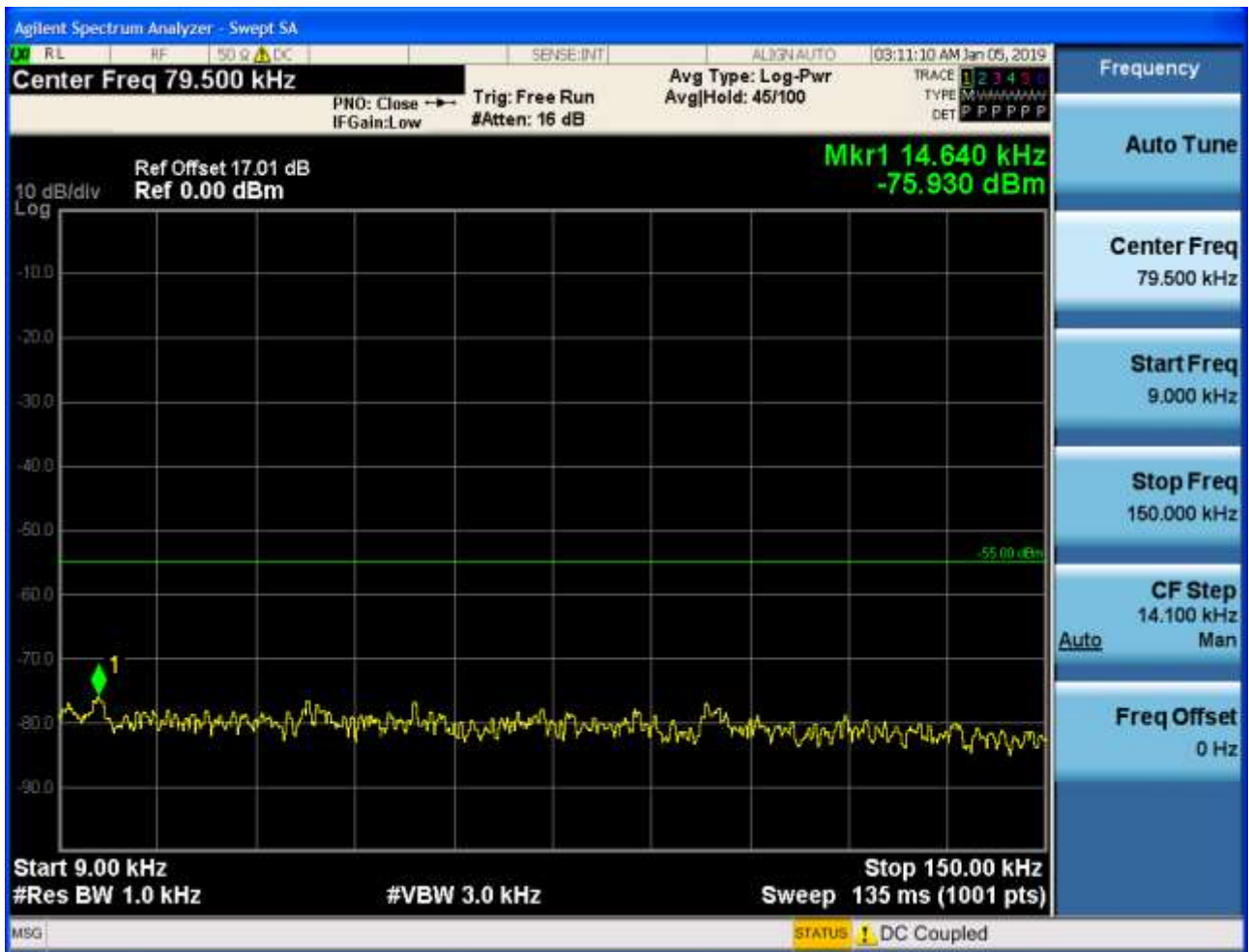


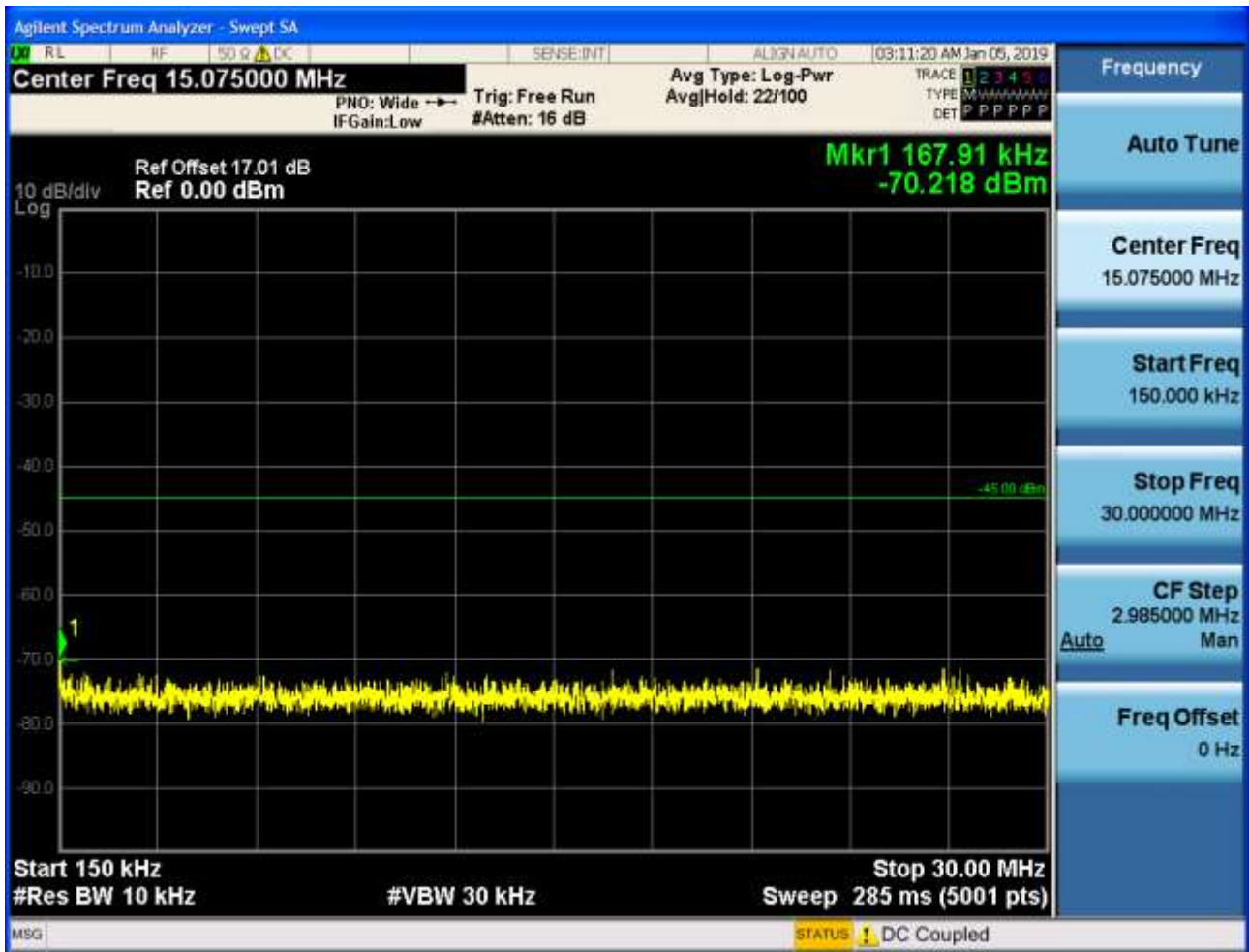




6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0



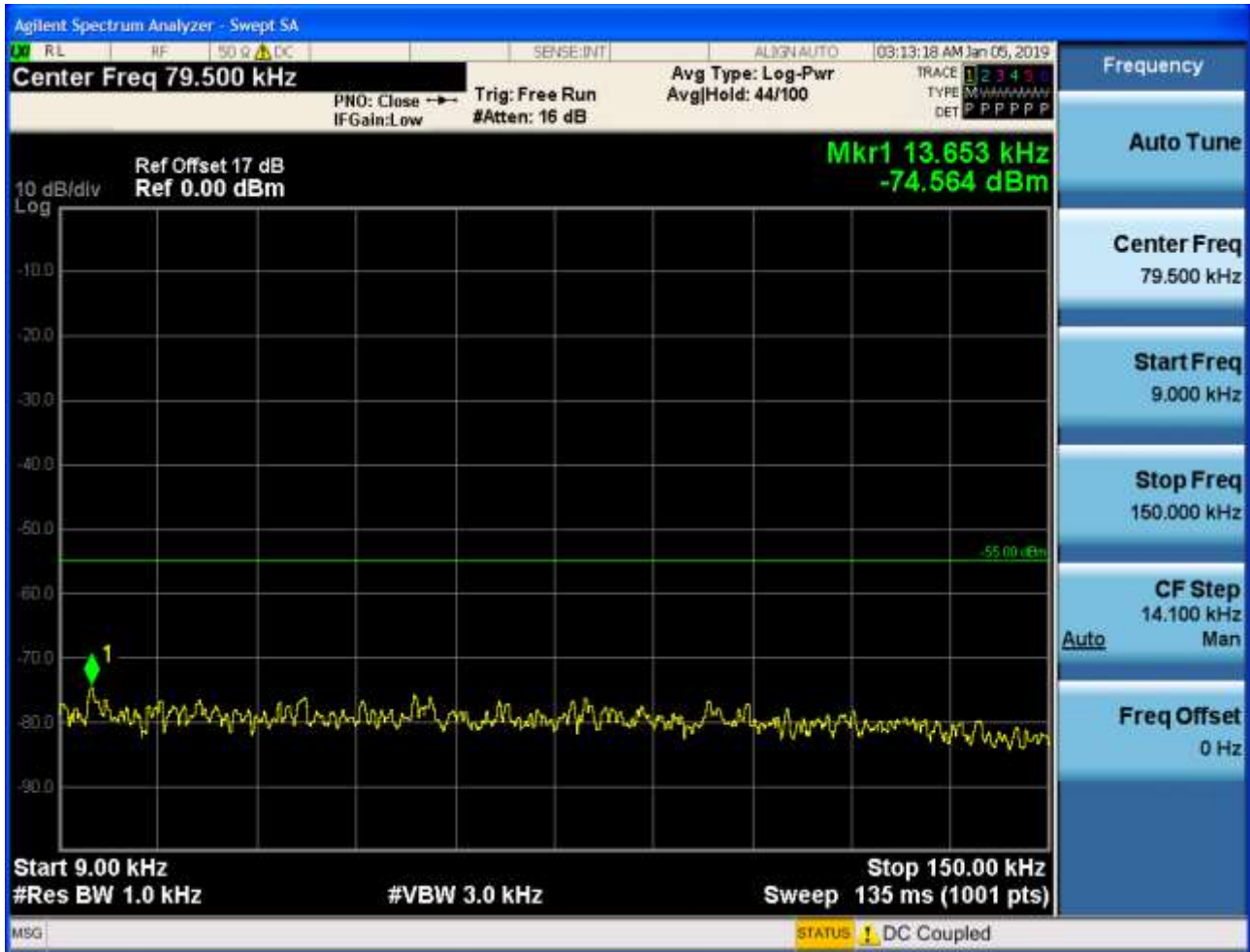


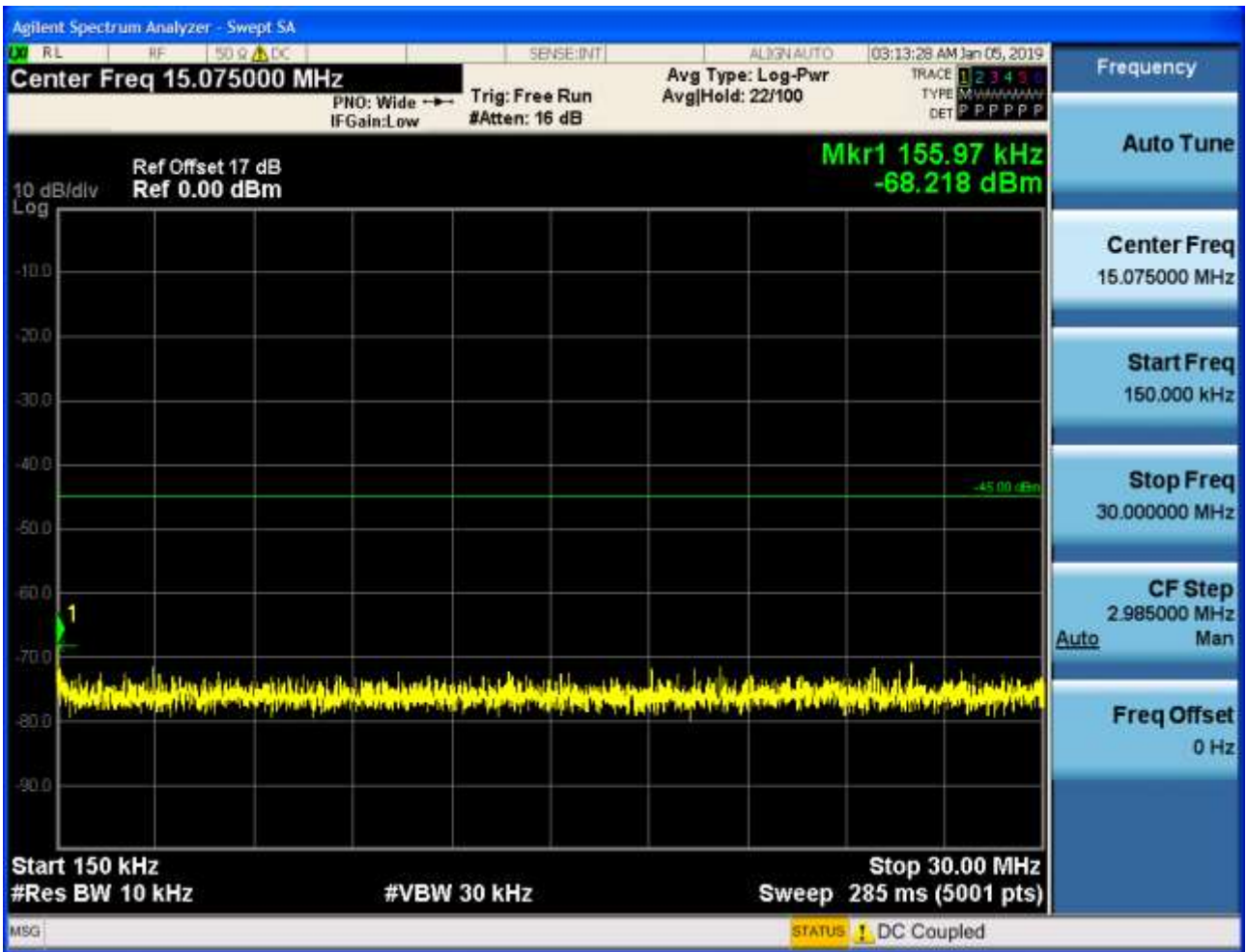


6.2.1.2.3 Test Bandwidth = 15

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0

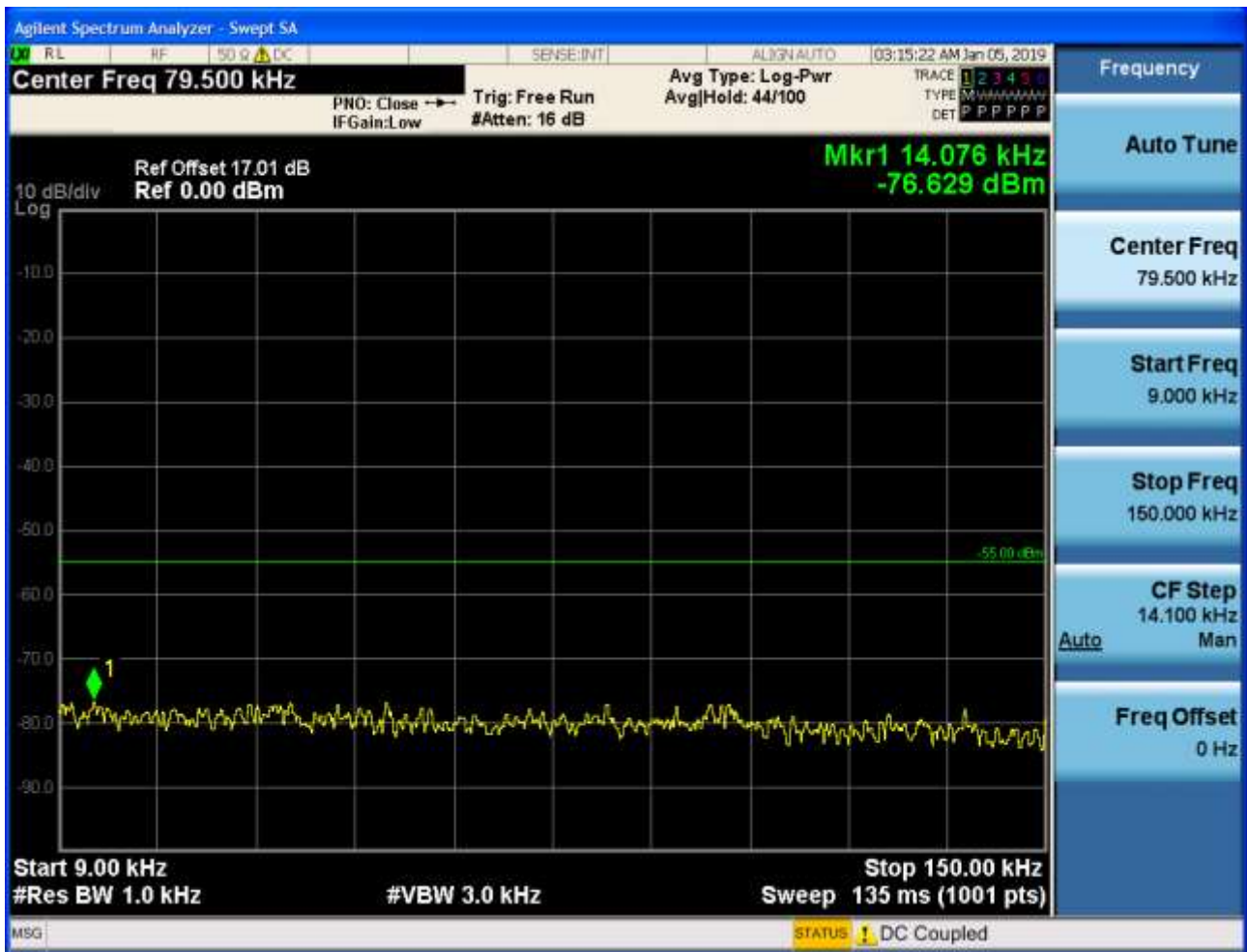


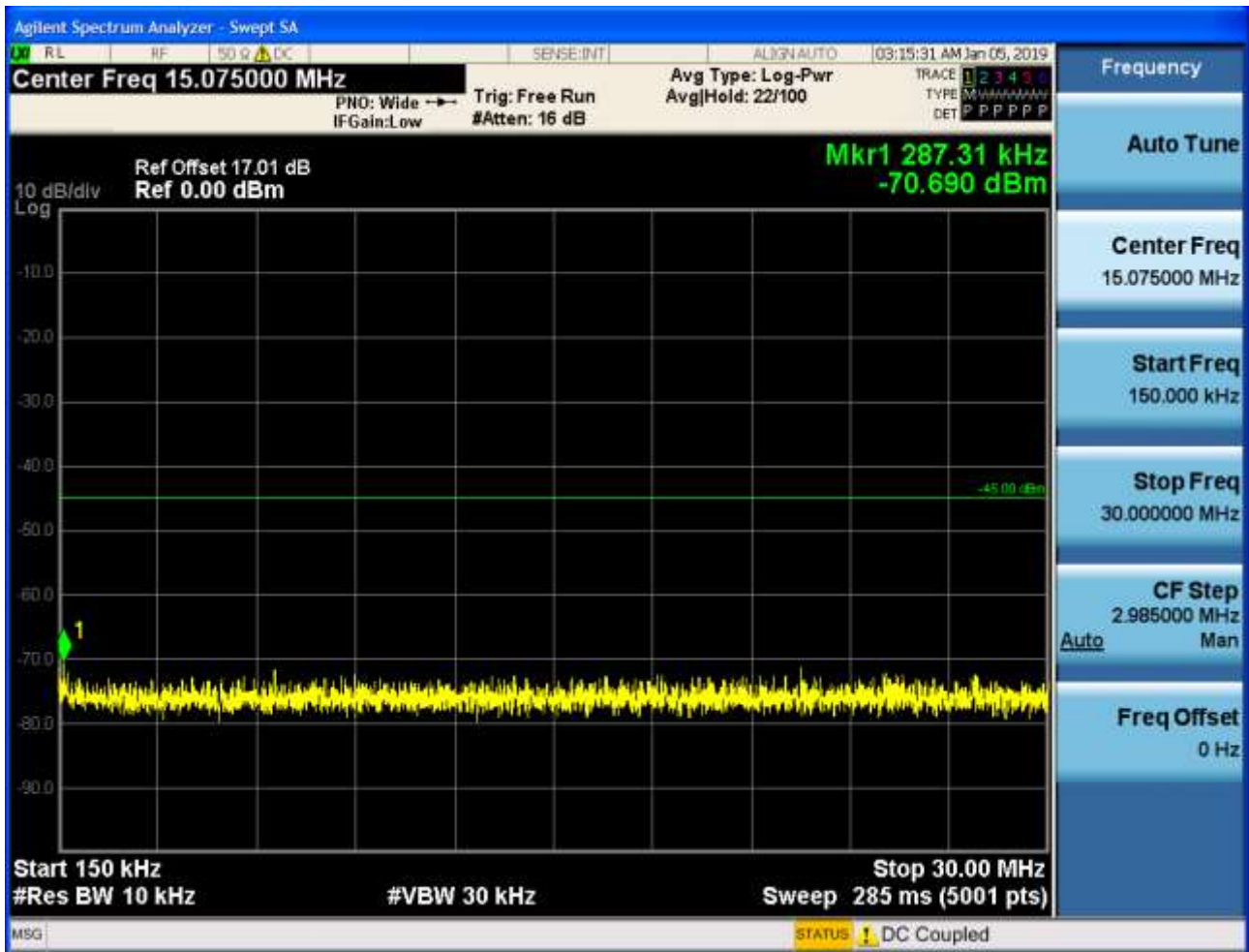




6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0

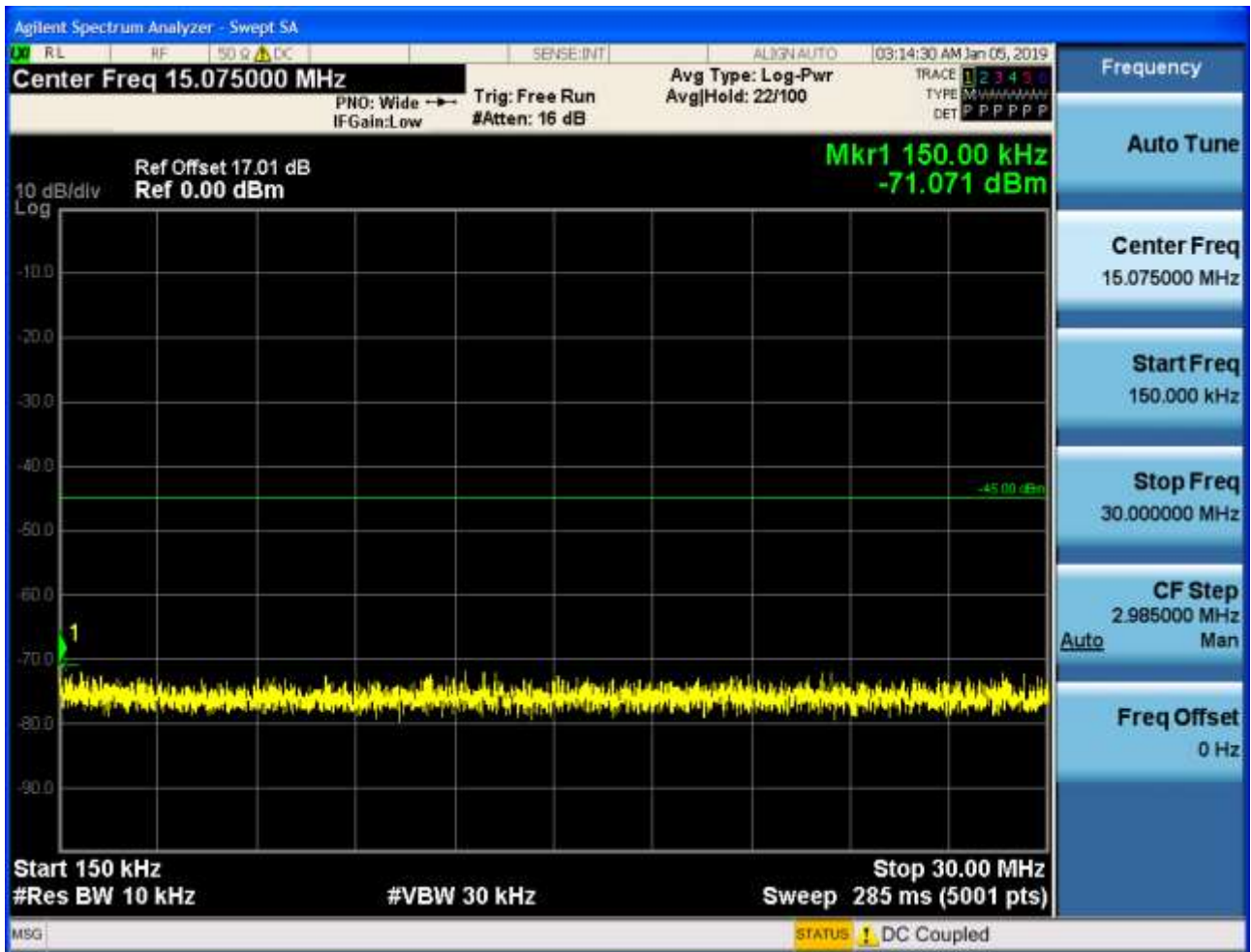


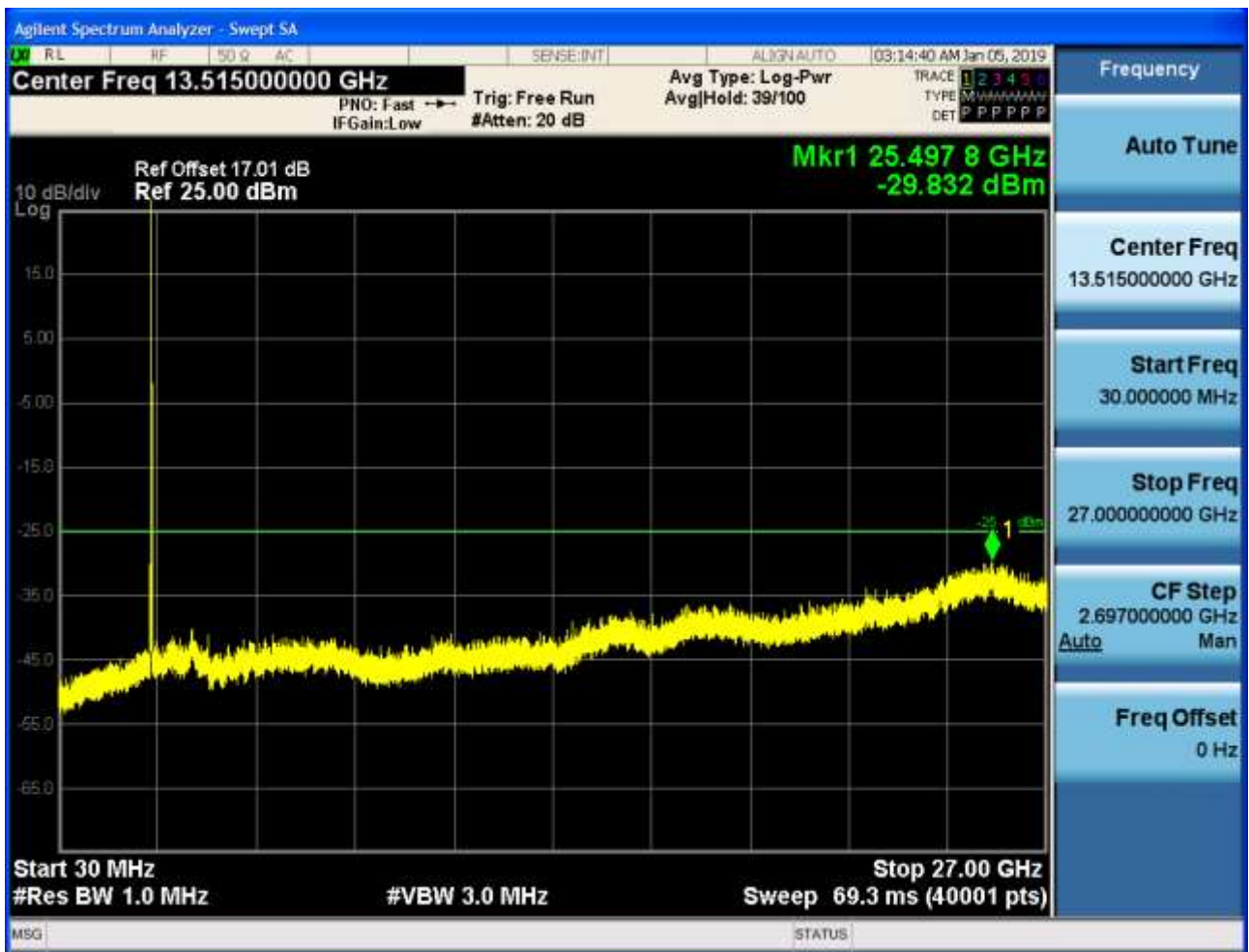


6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0



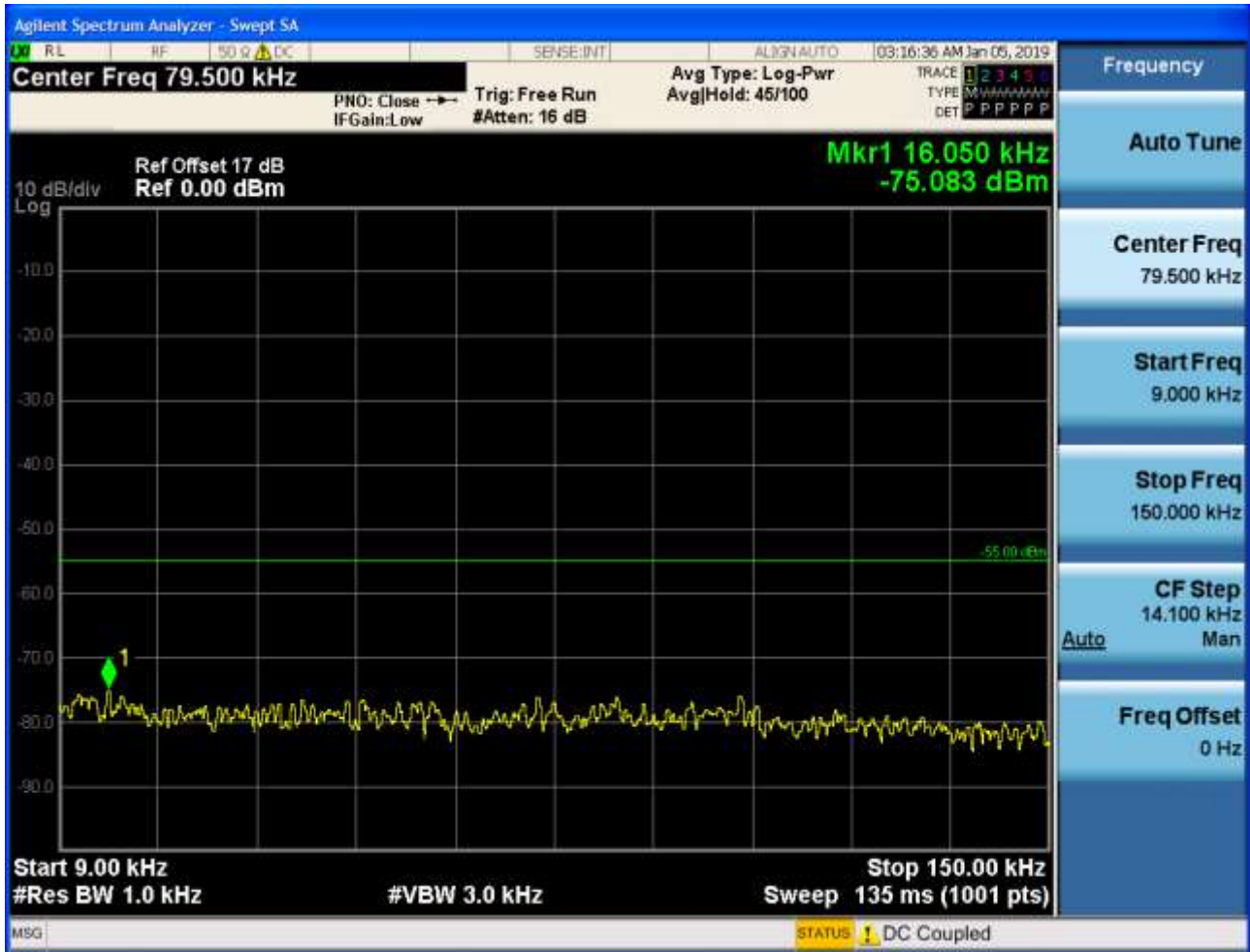


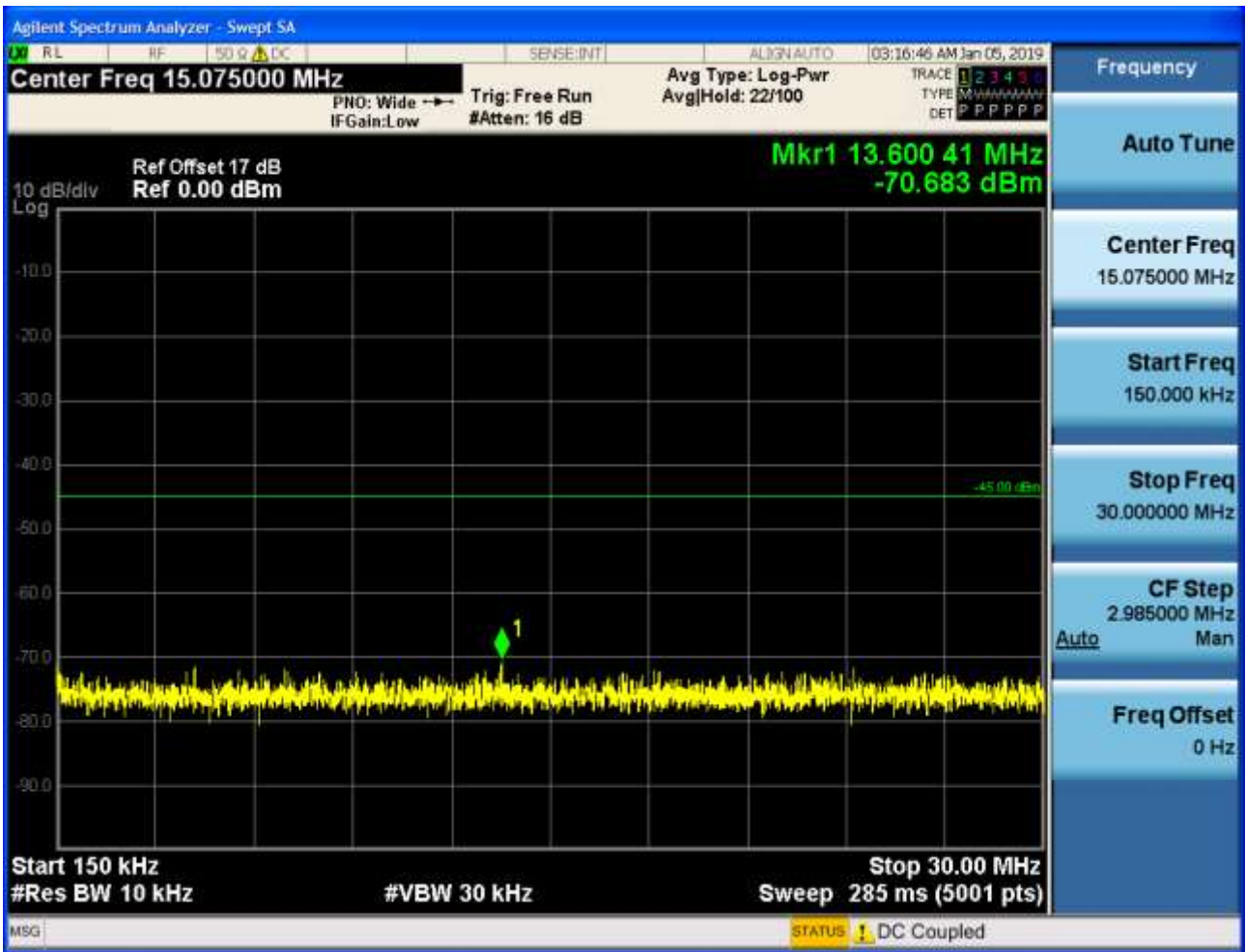


6.2.1.2.4 Test Bandwidth = 20

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

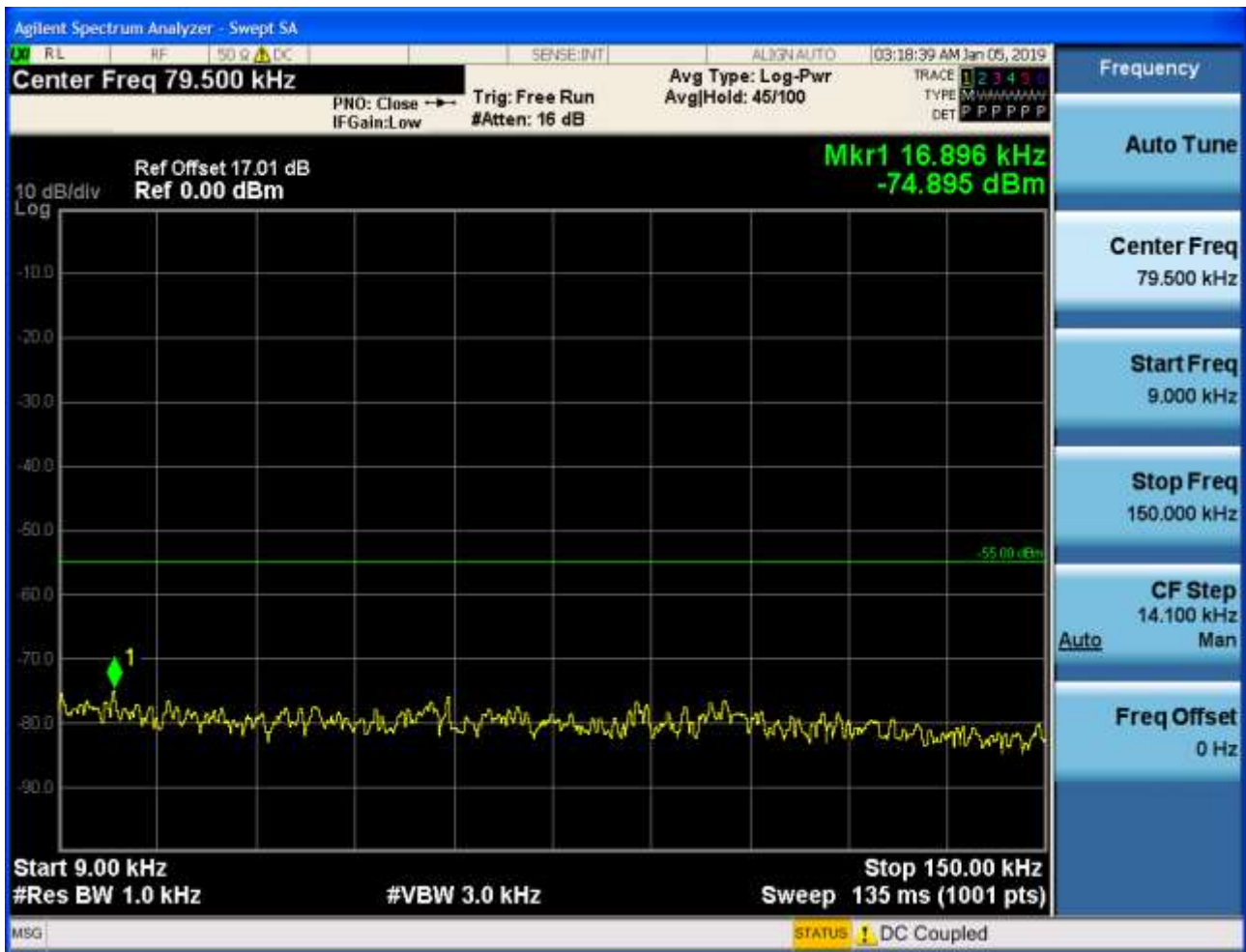


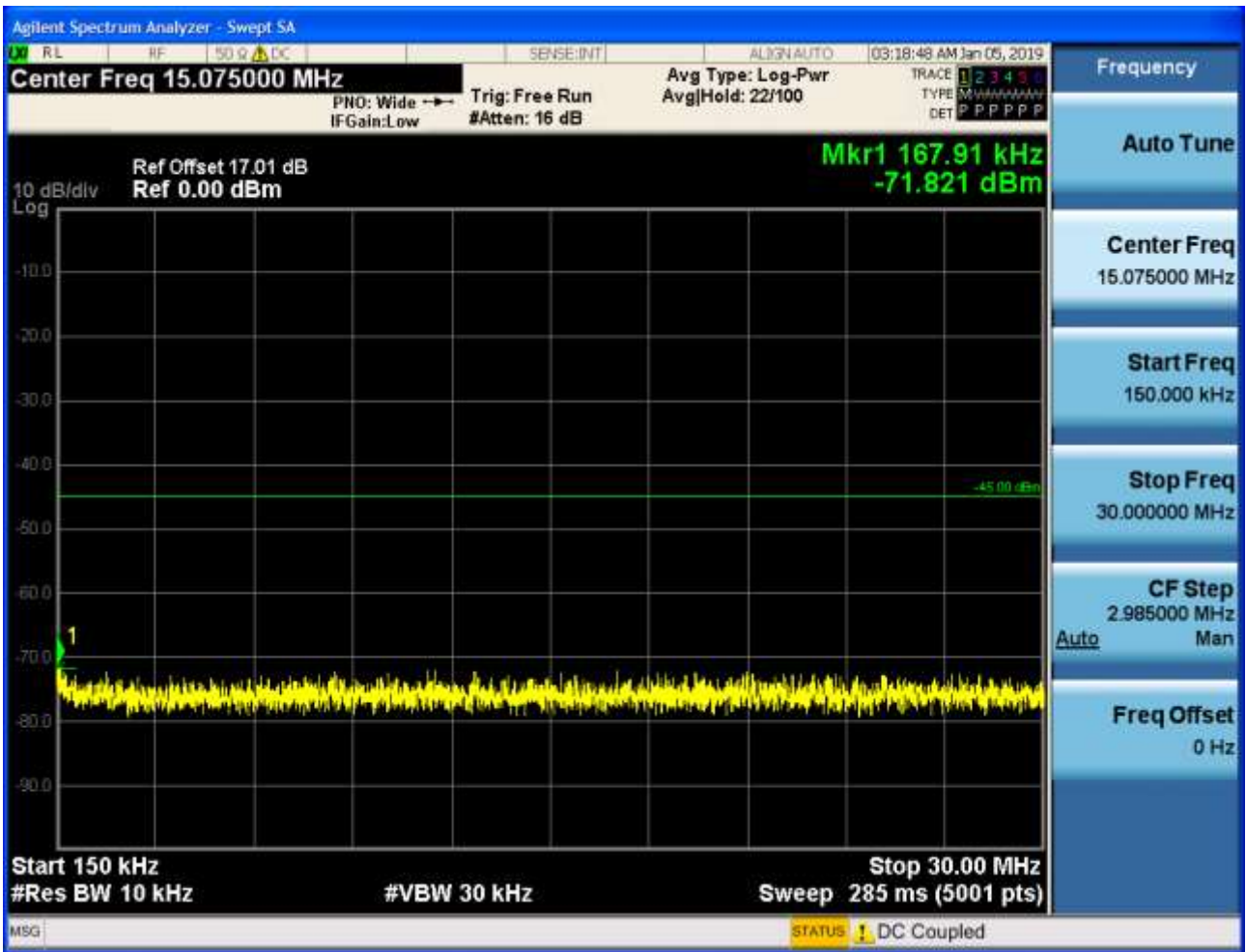




6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0



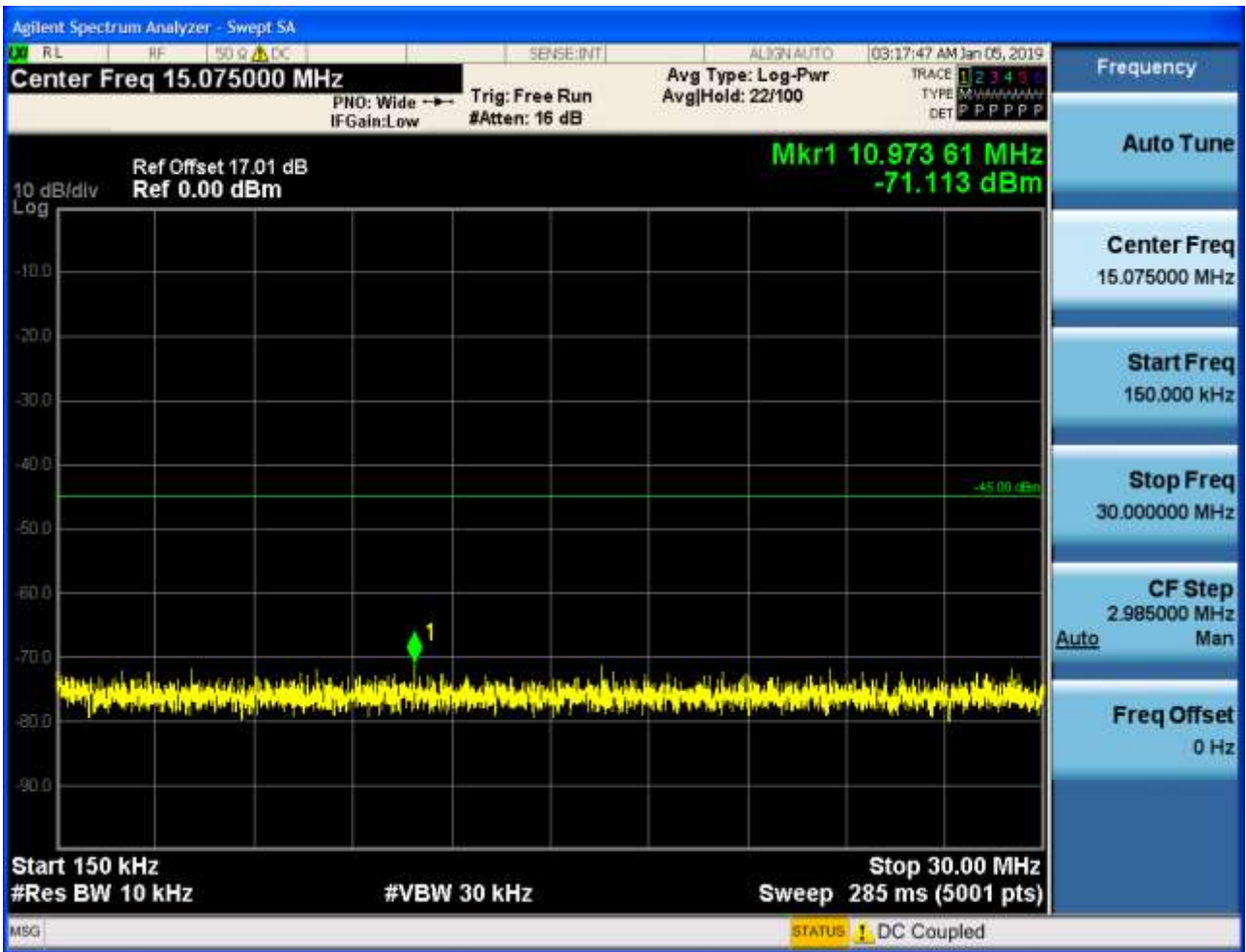




6.2.1.2.4.3 Test Channel = HCH

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

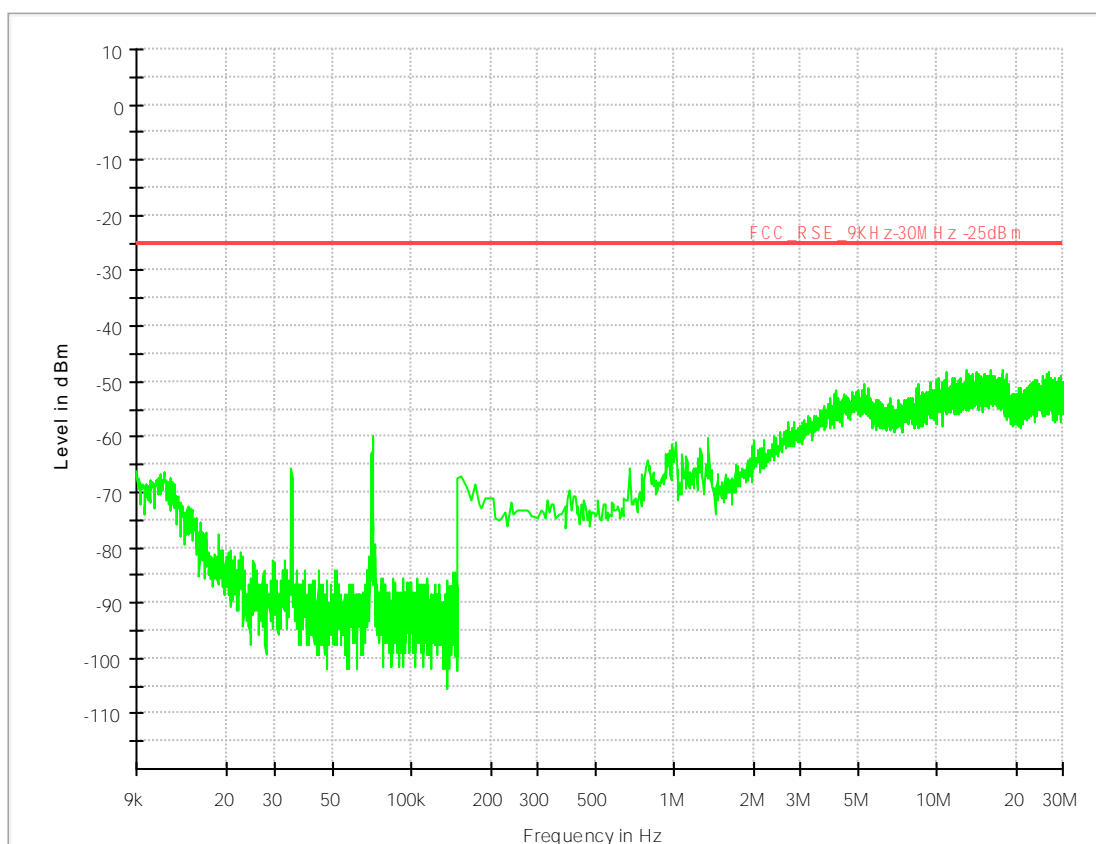
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz Detector: PK

Part I - Test Plots

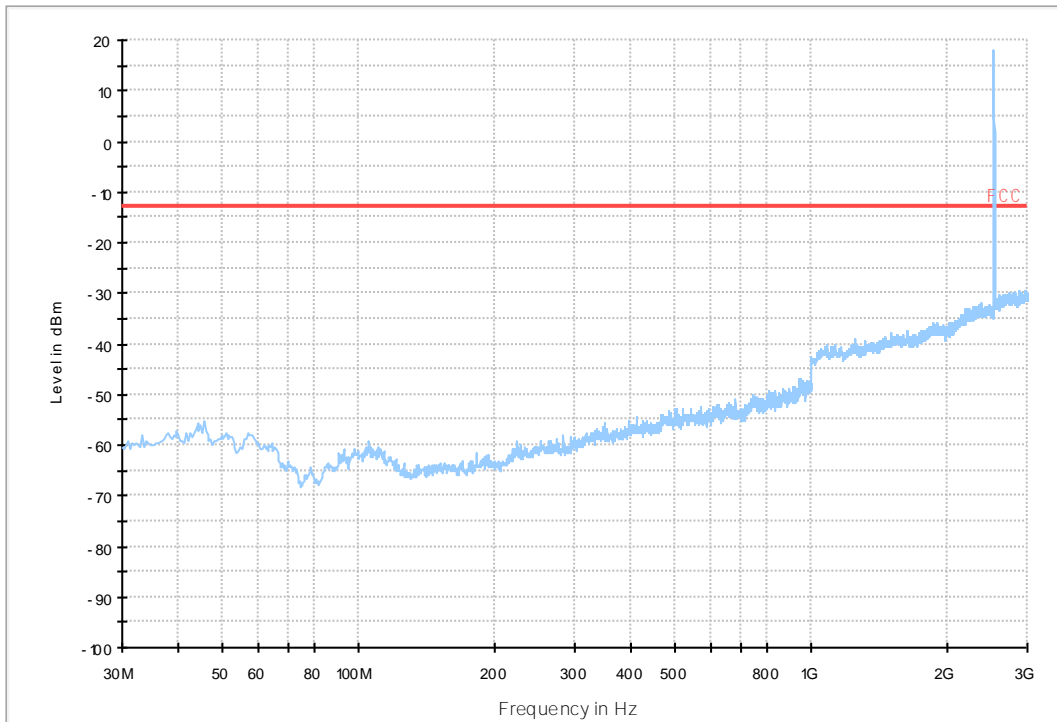
7.1 For LTE

7.1.1 Test Band = Band7_ANT1

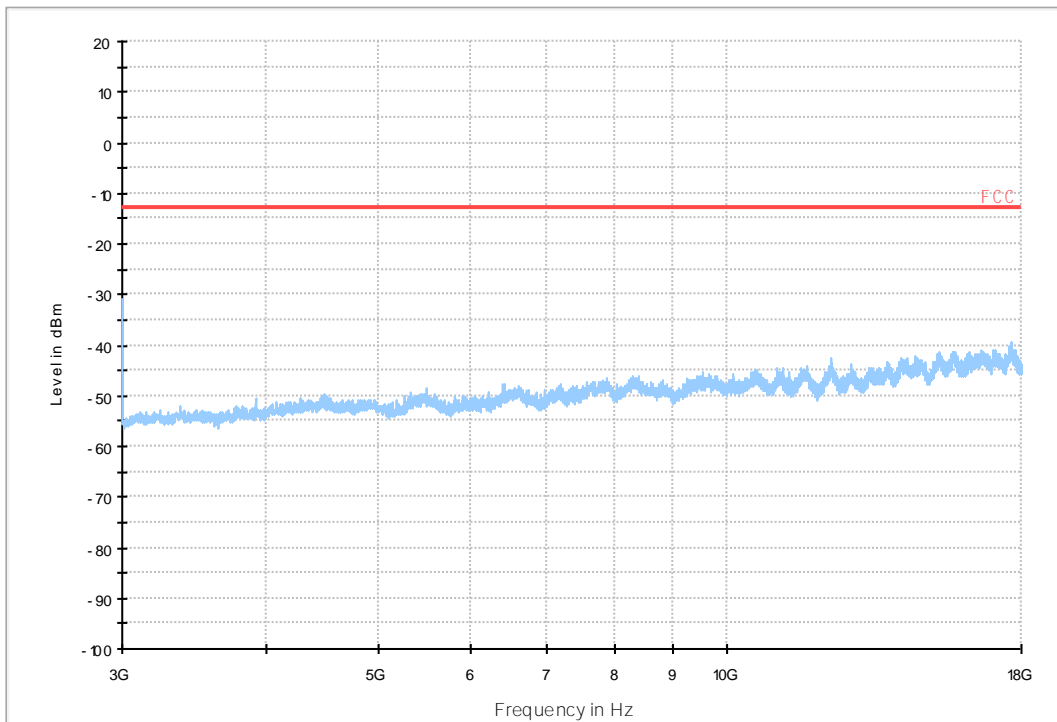
7.1.1.1 Test Bandwidth = 5



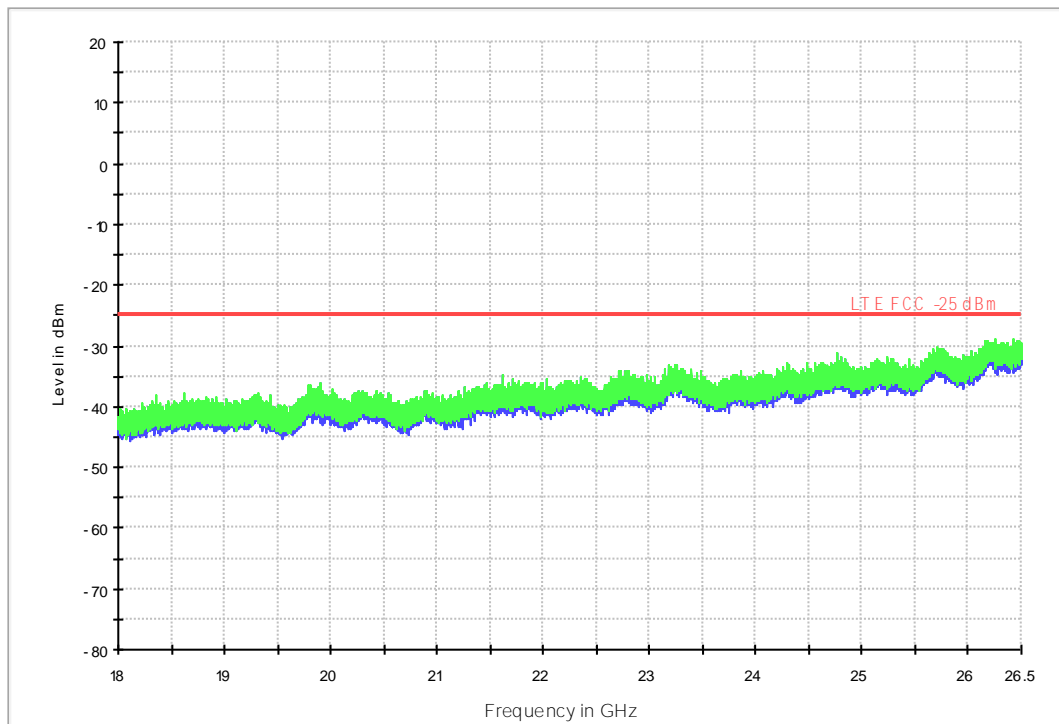
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



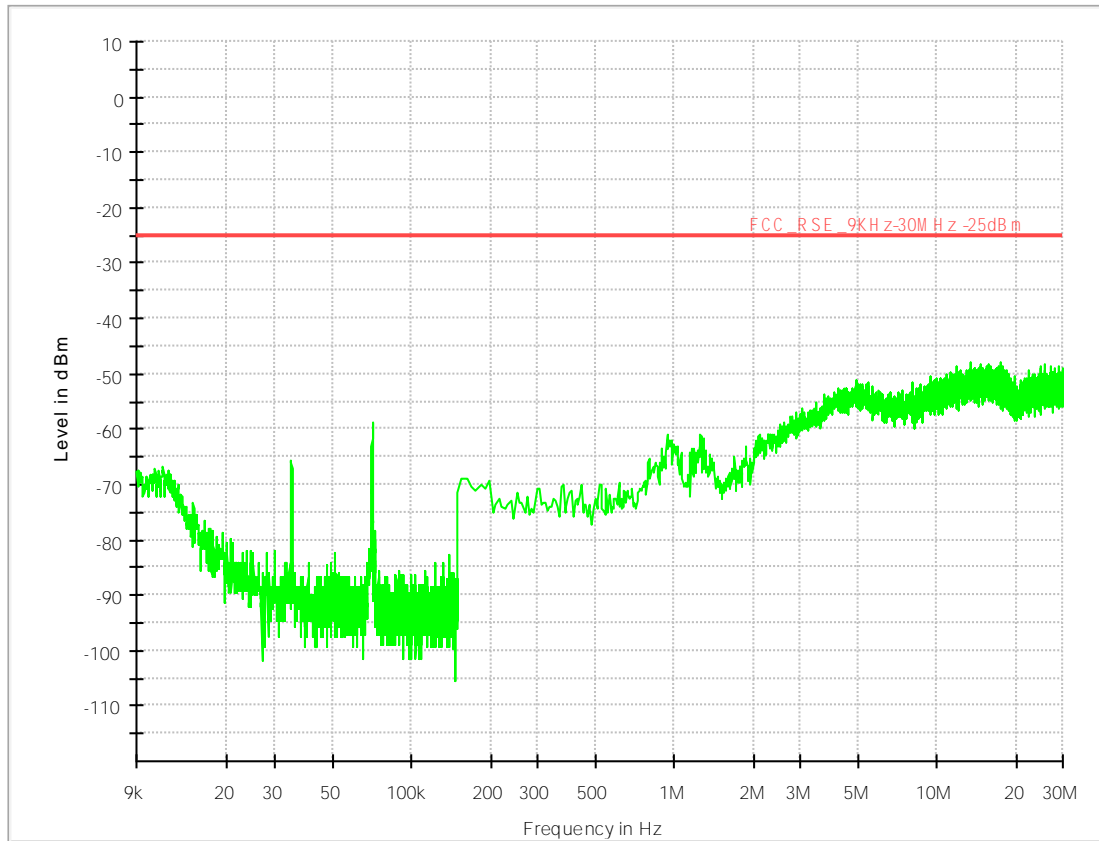
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



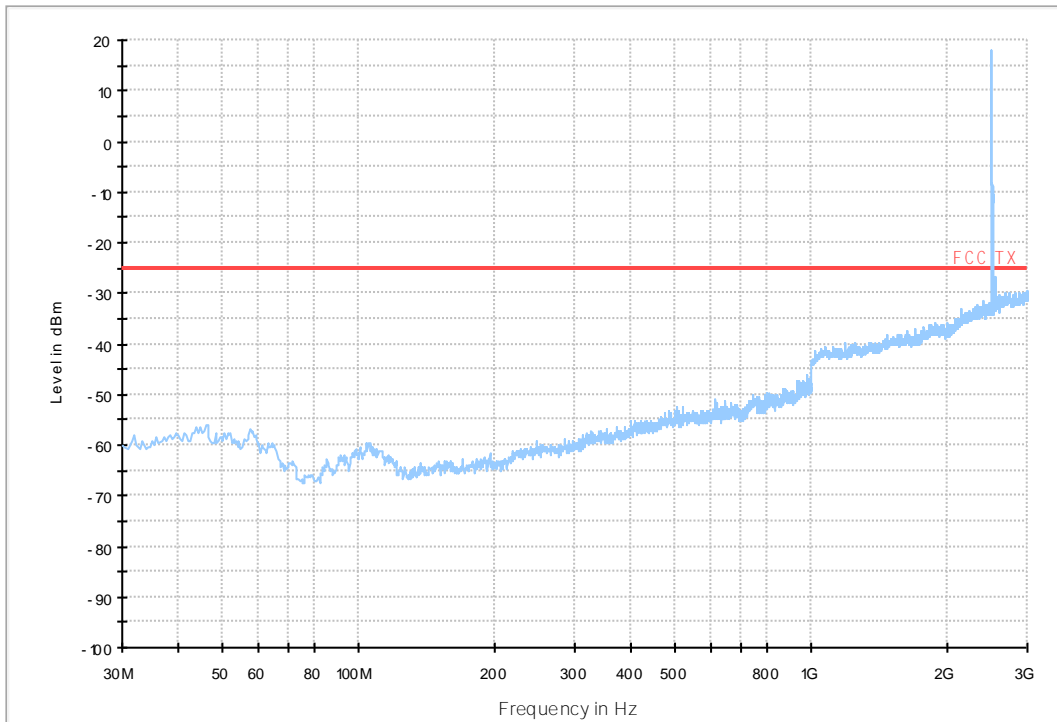
18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



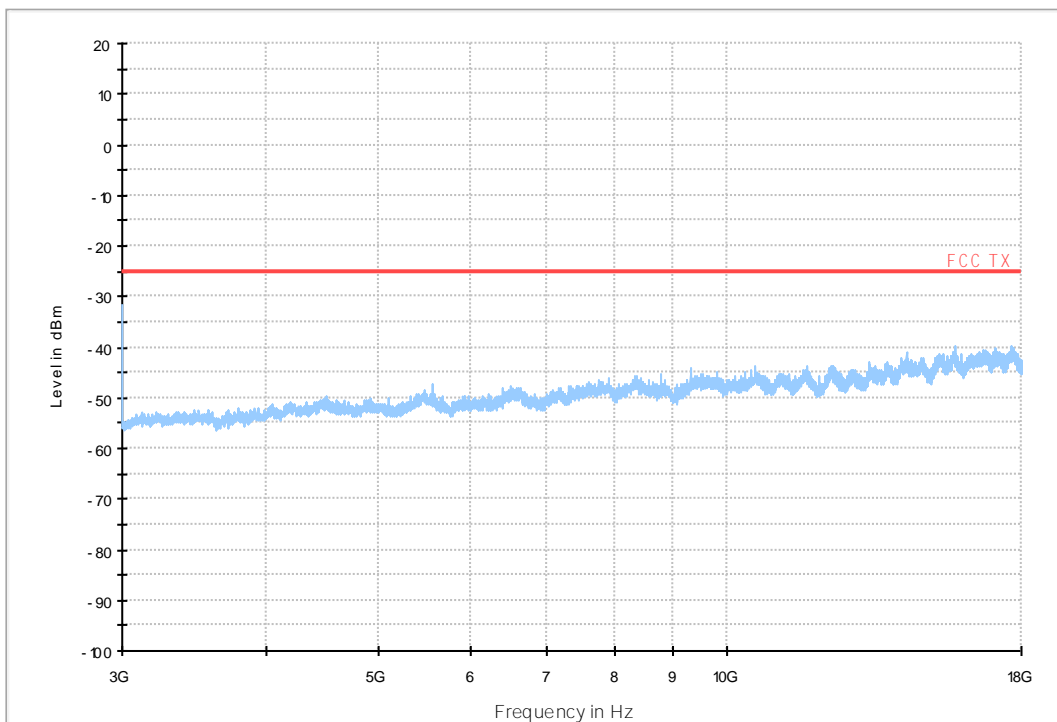
7.1.1.2 Test Bandwidth = 20



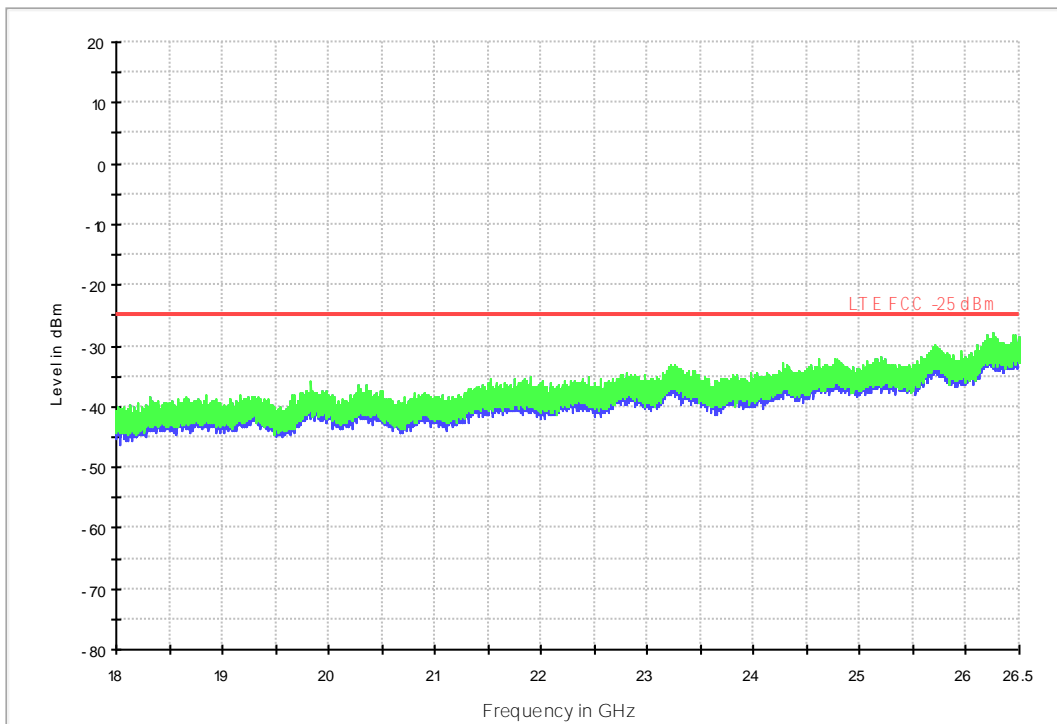
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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

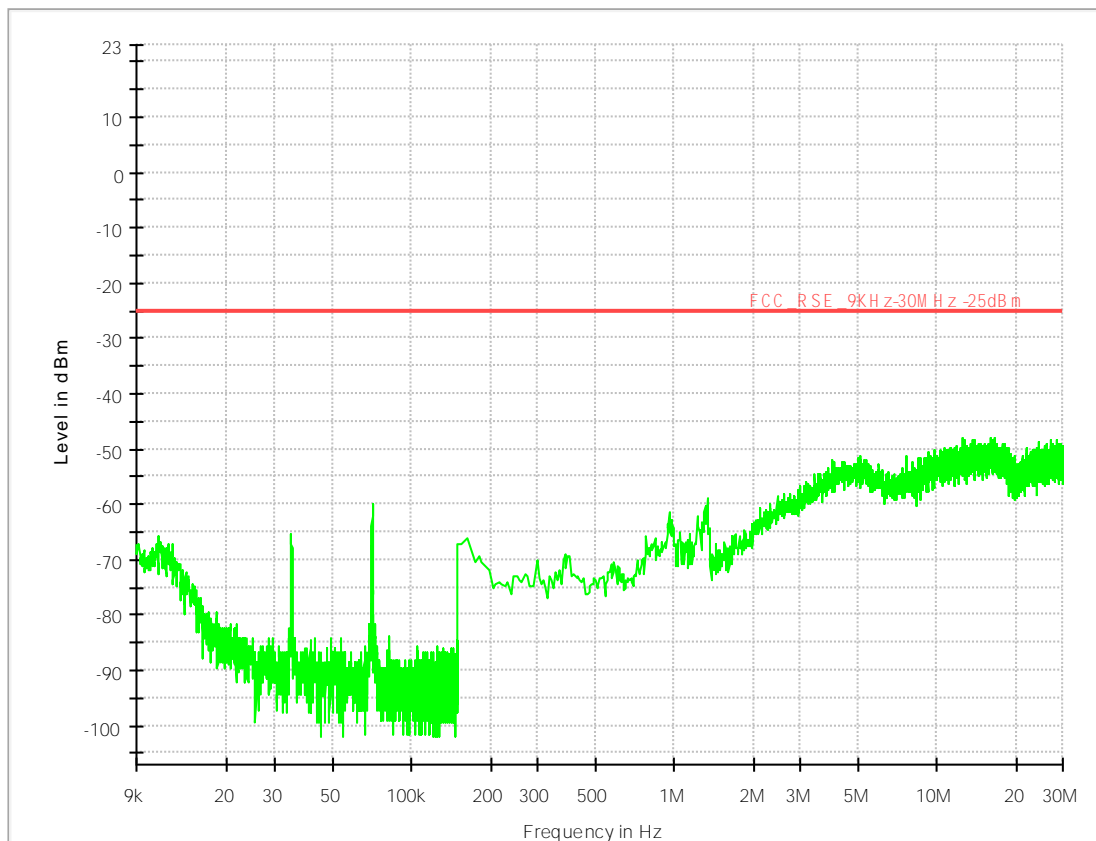


18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

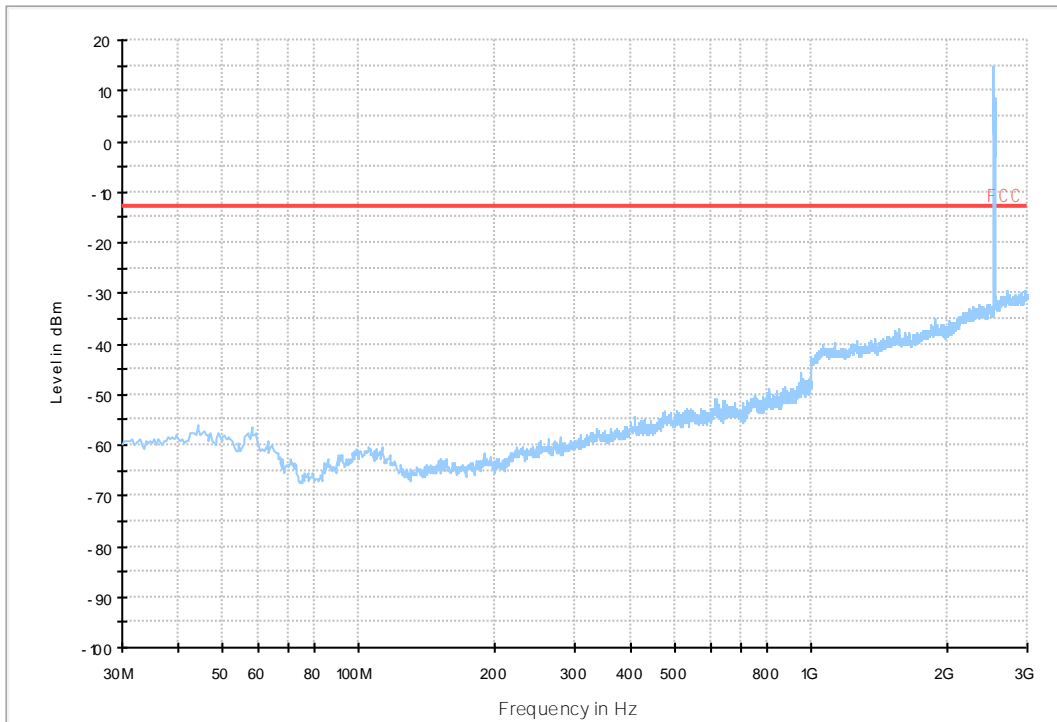


7.1.2 Test Band = Band7_ANT2

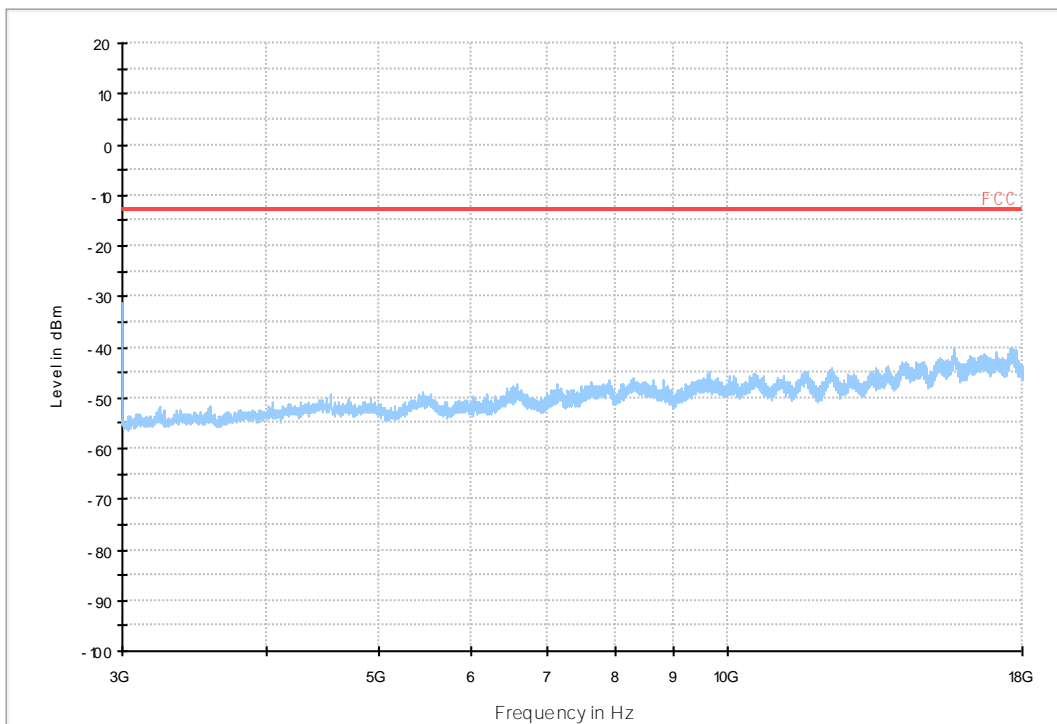
7.1.2.1 Test Bandwidth = 5



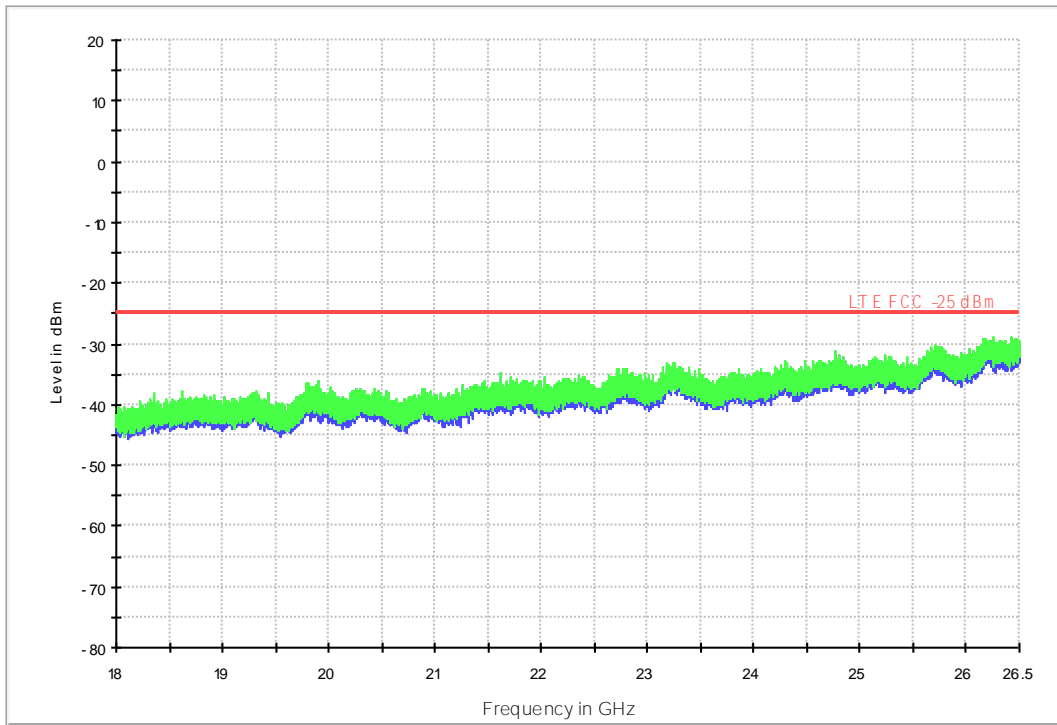
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



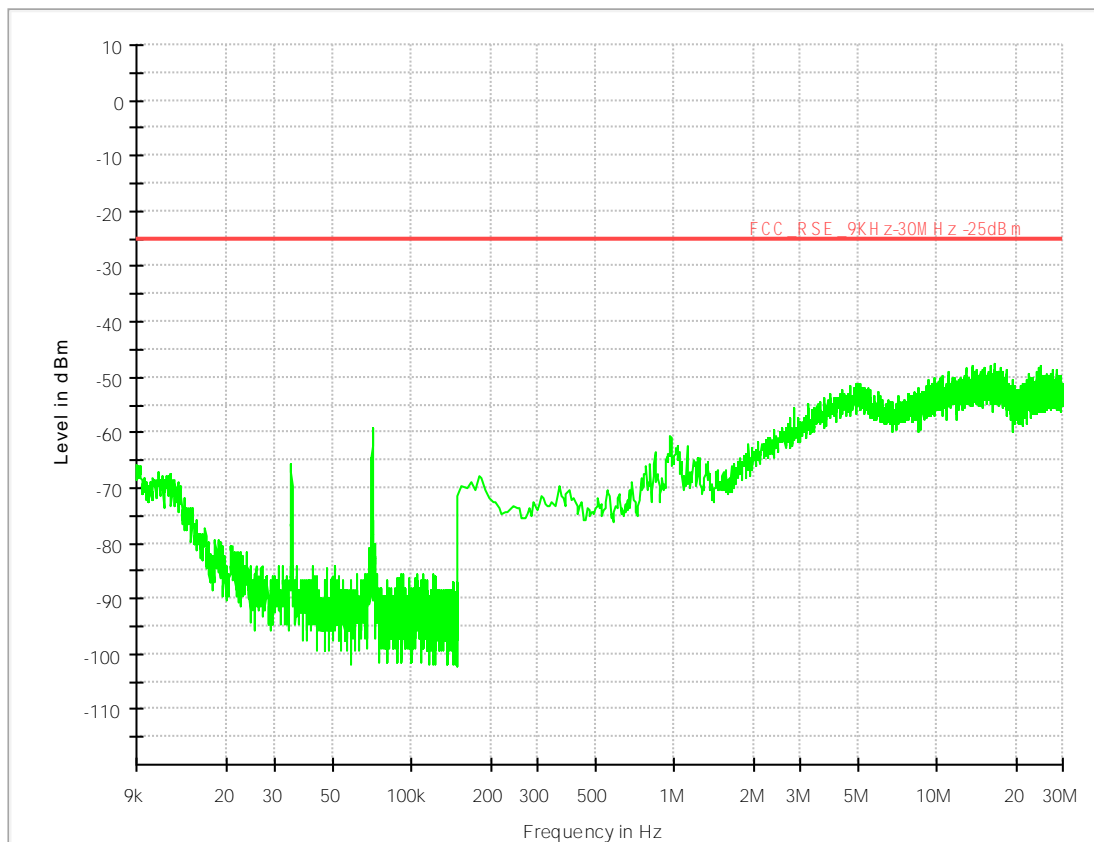
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



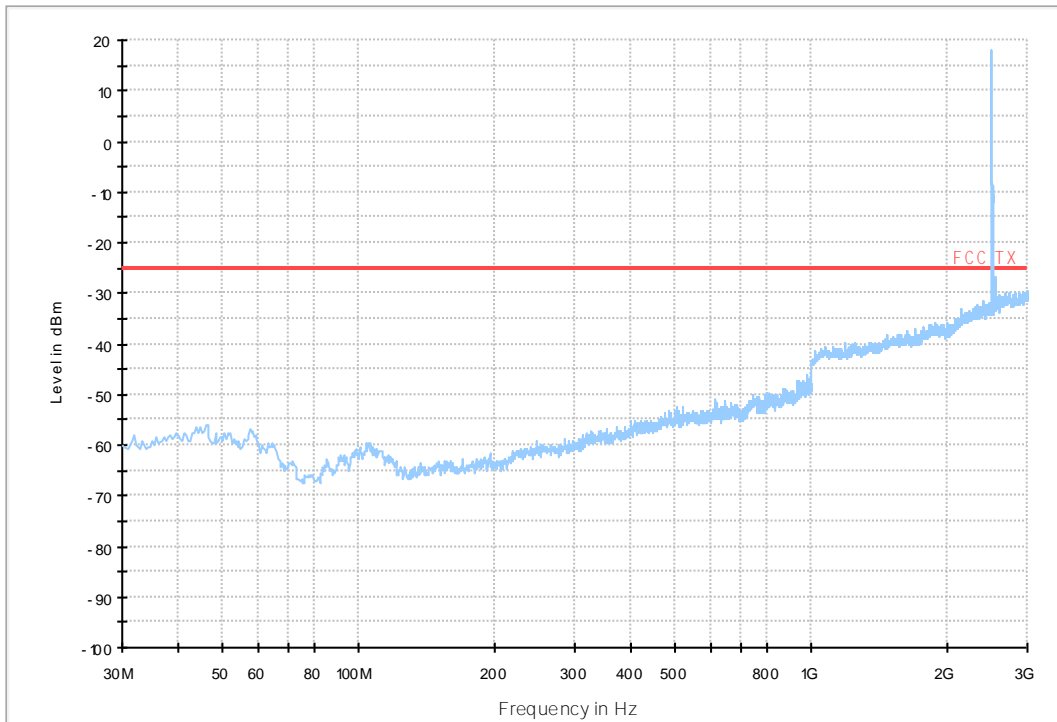
18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



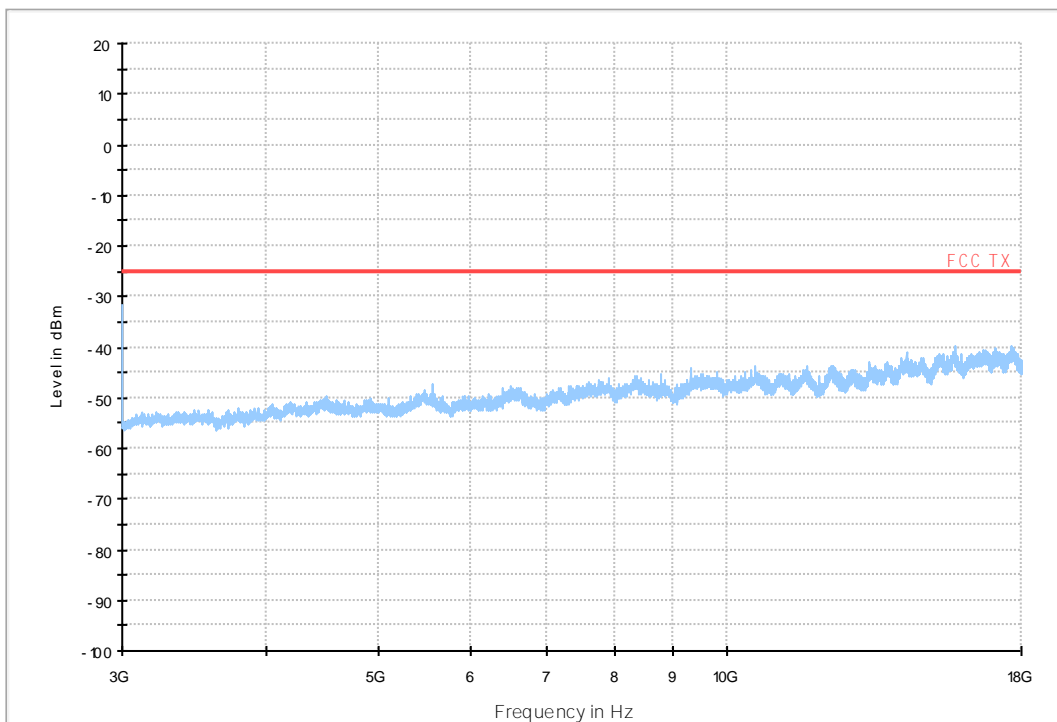
7.1.2.2 Test Bandwidth = 20



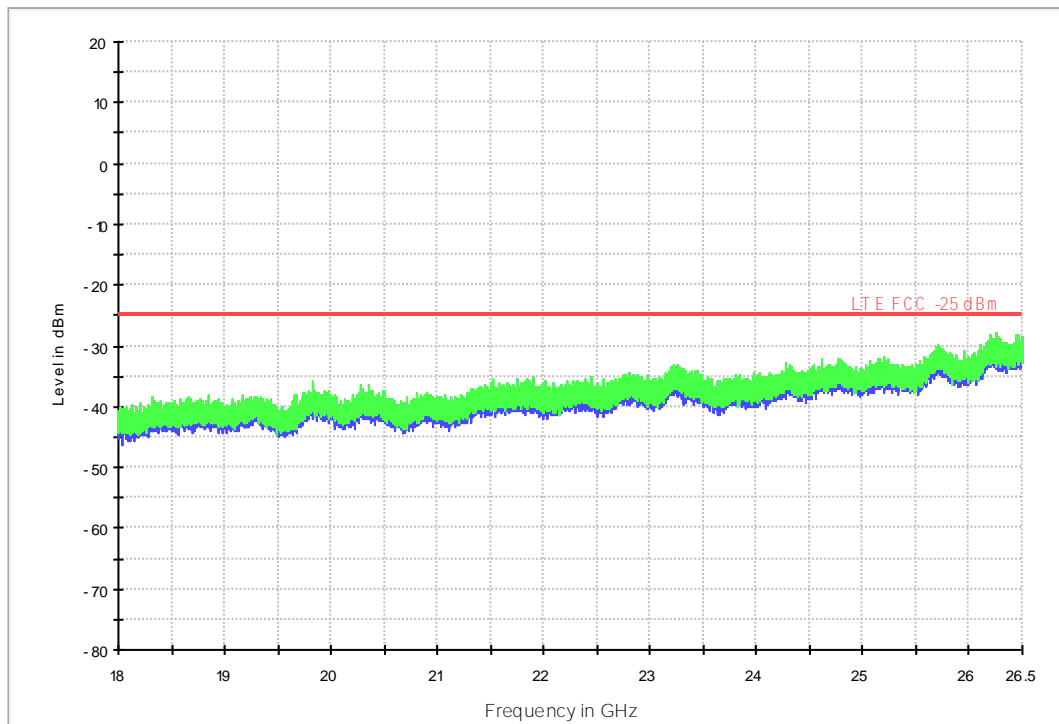
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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



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



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	-10.32829	-0.00413	PASS
					VN	-0.64373	-0.00026	PASS
					VH	5.00679	0.00200	PASS
			MCH	TN	VL	2.23160	0.00088	PASS
					VN	-8.52585	-0.00336	PASS
					VH	2.08855	0.00082	PASS
			HCH	TN	VL	-7.12395	-0.00277	PASS
					VN	-11.00063	-0.00428	PASS
					VH	-8.11100	-0.00316	PASS
		10	LCH	TN	VL	-2.38895	-0.00095	PASS
					VN	-7.15256	-0.00286	PASS
					VH	0.97275	0.00039	PASS
			MCH	TN	VL	-1.28746	-0.00051	PASS
					VN	-1.63078	-0.00064	PASS
					VH	1.11580	0.00044	PASS
			HCH	TN	VL	-5.42164	-0.00211	PASS
					VN	-11.07216	-0.00432	PASS
					VH	0.75817	0.00030	PASS
		15	LCH	TN	VL	-9.98497	-0.00398	PASS
					VN	-7.13825	-0.00285	PASS
					VH	-5.19276	-0.00207	PASS
			MCH	TN	VL	-0.17166	-0.00007	PASS
					VN	-5.07832	-0.00200	PASS
					VH	-1.23024	-0.00049	PASS
			HCH	TN	VL	-3.34740	-0.00131	PASS
					VN	-7.69615	-0.00300	PASS
					VH	-1.85966	-0.00073	PASS
		20	LCH	TN	VL	-8.31127	-0.00331	PASS
					VN	-8.44002	-0.00336	PASS
					VH	-5.23567	-0.00209	PASS
			MCH	TN	VL	-2.81811	-0.00111	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2				VN	-3.44753	-0.00136	PASS
					VH	-0.55790	-0.00022	PASS
					VL	-2.36034	-0.00092	PASS
			HCH	TN	VN	-5.69344	-0.00222	PASS
					VH	-1.64509	-0.00064	PASS
					VL	-39.26754	-0.01569	PASS
		5	LCH	TN	VN	-9.31263	-0.00372	PASS
					VH	-7.00951	-0.00280	PASS
					VL	-5.03540	-0.00199	PASS
			MCH	TN	VN	-7.16686	-0.00283	PASS
					VH	-28.03802	-0.01106	PASS
					VL	-1.08719	-0.00042	PASS
			HCH	TN	VN	-12.35962	-0.00481	PASS
					VH	-7.66754	-0.00299	PASS
					VL	-14.70566	-0.00587	PASS
		10	LCH	TN	VN	-9.01222	-0.00360	PASS
					VH	-3.04699	-0.00122	PASS
					VL	-6.36578	-0.00251	PASS
			MCH	TN	VN	2.23160	0.00088	PASS
					VH	1.34468	0.00053	PASS
					VL	-0.47207	-0.00018	PASS
			HCH	TN	VN	-9.62734	-0.00375	PASS
					VH	-3.71933	-0.00145	PASS
					VL	-2.81811	-0.00112	PASS
		15	LCH	TN	VN	-10.61440	-0.00423	PASS
					VH	-6.15120	-0.00245	PASS
					VL	0.12875	0.00005	PASS
			MCH	TN	VN	-3.97682	-0.00157	PASS
					VH	-10.02789	-0.00396	PASS
					VL	1.75953	0.00069	PASS
			HCH	TN	VN	-9.28402	-0.00362	PASS
					VH	-2.50339	-0.00098	PASS
					VL	-2.71797	-0.00108	PASS
		20	LCH	TN	VN	-7.96795	-0.00317	PASS
					VH	-6.46591	-0.00258	PASS
					VL	1.58787	0.00063	PASS
			MCH	TN	VN	-3.01838	-0.00119	PASS
					VH	-1.21593	-0.00048	PASS
					VL			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	1.70231	0.00066	PASS
					VN	-4.09126	-0.00160	PASS
					VH	-0.87261	-0.00034	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	-4.59194	-0.00183	PASS
					-20	3.16143	0.00126	PASS
					-10	3.73364	0.00149	PASS
					0	3.51906	0.00141	PASS
					10	-4.33445	-0.00173	PASS
					20	-0.64373	-0.00026	PASS
					30	0.38624	0.00015	PASS
					40	-5.19276	-0.00208	PASS
			50	1.28746	0.00051	PASS		
			MCH	VN	-30	-7.75337	-0.00306	PASS
					-20	-9.06944	-0.00358	PASS
					-10	1.01566	0.00040	PASS
					0	-16.10756	-0.00635	PASS
					10	-43.04409	-0.01698	PASS
					20	-8.52585	-0.00336	PASS
					30	-9.35554	-0.00369	PASS
					40	-8.06808	-0.00318	PASS
			50	-6.30856	-0.00249	PASS		
			HCH	VN	-30	-40.29751	-0.01570	PASS
					-20	-32.11498	-0.01251	PASS
					-10	-35.39085	-0.01378	PASS
					0	-36.32069	-0.01415	PASS
					10	-12.78877	-0.00498	PASS
					20	-11.00063	-0.00428	PASS
		30			-35.14767	-0.01369	PASS	
		40			-12.97474	-0.00505	PASS	
		50	-12.21657	-0.00476	PASS			
10	LCH	VN	-30	-5.70774	-0.00228	PASS		
			-20	-4.60625	-0.00184	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-10	-5.95093	-0.00238	PASS	
					0	-4.77791	-0.00191	PASS	
					10	-7.13825	-0.00285	PASS	
					20	-7.15256	-0.00286	PASS	
					30	-6.60896	-0.00264	PASS	
					40	-6.68049	-0.00267	PASS	
					50	2.78950	0.00111	PASS	
			MCH	VN	-30	-7.63893	-0.00301	PASS	
					-20	-2.78950	-0.00110	PASS	
					-10	0.80109	0.00032	PASS	
					0	-3.10421	-0.00122	PASS	
					10	-2.40326	-0.00095	PASS	
					20	-1.63078	-0.00064	PASS	
					30	-7.09534	-0.00280	PASS	
					40	-8.35419	-0.00330	PASS	
			HCH	VN	-30	-9.55582	-0.00373	PASS	
					-20	-8.64029	-0.00337	PASS	
					-10	-5.17845	-0.00202	PASS	
					0	-6.27994	-0.00245	PASS	
					10	-10.58578	-0.00413	PASS	
					20	-11.07216	-0.00432	PASS	
					30	-22.10140	-0.00862	PASS	
					40	-24.36161	-0.00950	PASS	
			15	LCH	VN	-30	-8.44002	-0.00337	PASS
						-20	-8.03947	-0.00321	PASS
						-10	-6.96659	-0.00278	PASS
						0	-5.87940	-0.00234	PASS
						10	-8.21114	-0.00327	PASS
						20	-7.13825	-0.00285	PASS
						30	0.74387	0.00030	PASS
						40	-9.98497	-0.00398	PASS
				MCH	VN	-30	-6.49452	-0.00256	PASS
						-20	-8.23975	-0.00325	PASS
-10	-5.46455	-0.00216				PASS			
0	-5.24998	-0.00207				PASS			
10	-10.98633	-0.00433				PASS			
50	-2.31743	-0.00090				PASS			
50	-6.12259	-0.00244				PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict								
					20	-5.07832	-0.00200	PASS								
					30	-1.97411	-0.00078	PASS								
					40	-3.57628	-0.00141	PASS								
					50	-3.26157	-0.00129	PASS								
			HCH	VN				-30	-8.84056	-0.00345	PASS					
								-20	-9.19819	-0.00359	PASS					
								-10	-7.46727	-0.00291	PASS					
								0	-7.32422	-0.00286	PASS					
								10	-8.01086	-0.00313	PASS					
								20	-7.69615	-0.00300	PASS					
								30	-2.47478	-0.00097	PASS					
								40	-8.11100	-0.00317	PASS					
								50	-6.36578	-0.00248	PASS					
								LCH	VN				-30	-8.21114	-0.00327	PASS
													-20	-7.46727	-0.00298	PASS
													-10	-6.49452	-0.00259	PASS
			0	-7.38144	-0.00294	PASS										
			10	1.20163	0.00048	PASS										
			20	-8.44002	-0.00336	PASS										
			30	-6.69479	-0.00267	PASS										
		40	-7.16686	-0.00286	PASS											
		MCH	VN				50	-6.96659	-0.00278	PASS						
							-30	-5.03540	-0.00199	PASS						
							-20	-4.22001	-0.00166	PASS						
							-10	-6.65188	-0.00262	PASS						
							0	-4.23431	-0.00167	PASS						
							10	-2.68936	-0.00106	PASS						
							20	-3.44753	-0.00136	PASS						
							30	-3.13282	-0.00124	PASS						
		HCH	VN				40	-5.55039	-0.00219	PASS						
							50	-3.99113	-0.00157	PASS						
							-30	-5.06401	-0.00198	PASS						
							-20	-5.00679	-0.00196	PASS						
							-10	-5.92232	-0.00231	PASS						
							0	-7.06673	-0.00276	PASS						
							10	-0.80109	-0.00031	PASS						
							20	-5.69344	-0.00222	PASS						
							30	-5.35011	-0.00209	PASS						
							40	-5.55039	-0.00217	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	LCH	VN	50	-3.86238	-0.00151	PASS
					-30	-15.04898	-0.00601	PASS
					-20	-38.93852	-0.01556	PASS
					-10	-6.85215	-0.00274	PASS
					0	-4.66347	-0.00186	PASS
					10	-18.31055	-0.00732	PASS
					20	-9.31263	-0.00372	PASS
					30	-8.32558	-0.00333	PASS
					40	-14.03332	-0.00561	PASS
			50	-5.96523	-0.00238	PASS		
			MCH	VN	-30	-3.94821	-0.00156	PASS
					-20	-21.12865	-0.00833	PASS
					-10	-19.42635	-0.00766	PASS
					0	-13.50403	-0.00533	PASS
					10	-8.68320	-0.00343	PASS
					20	-7.16686	-0.00283	PASS
					30	-9.72748	-0.00384	PASS
					40	-9.44138	-0.00372	PASS
		50			-3.69072	-0.00146	PASS	
		HCH	VN	-30	-45.63332	-0.01777	PASS	
				-20	-33.31661	-0.01298	PASS	
				-10	-49.02363	-0.01909	PASS	
				0	-28.53870	-0.01112	PASS	
				10	-54.55971	-0.02125	PASS	
				20	-12.35962	-0.00481	PASS	
				30	-12.13074	-0.00472	PASS	
				40	-41.17012	-0.01604	PASS	
				50	-8.33988	-0.00325	PASS	
		10	LCH	VN	-30	-21.85822	-0.00873	PASS
					-20	-9.24110	-0.00369	PASS
					-10	-8.86917	-0.00354	PASS
					0	-7.81059	-0.00312	PASS
					10	-10.55717	-0.00421	PASS
20	-9.01222				-0.00360	PASS		
30	-9.78470				-0.00391	PASS		
40	-7.95364				-0.00318	PASS		
50	-1.88827				-0.00075	PASS		
MCH	VN		-30	-3.21865	-0.00127	PASS		
			-20	-5.03540	-0.00199	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	-2.28882	-0.00090	PASS		
					0	-3.63350	-0.00143	PASS		
					10	-4.13418	-0.00163	PASS		
					20	2.23160	0.00088	PASS		
					30	-2.40326	-0.00095	PASS		
					40	-6.49452	-0.00256	PASS		
					50	-6.40869	-0.00253	PASS		
			HCH	VN	-30	-9.11236	-0.00355	PASS		
					-20	-10.15663	-0.00396	PASS		
					-10	-8.23975	-0.00321	PASS		
					0	-8.46863	-0.00330	PASS		
					10	-10.12802	-0.00395	PASS		
					20	-9.62734	-0.00375	PASS		
					30	-9.31263	-0.00363	PASS		
		LCH	VN	40	-9.04083	-0.00352	PASS			
				50	-5.55039	-0.00216	PASS			
				-30	-10.29968	-0.00411	PASS			
				-20	-11.85894	-0.00473	PASS			
				-10	-10.24246	-0.00408	PASS			
				0	-11.24382	-0.00448	PASS			
				10	-11.71589	-0.00467	PASS			
		MCH	VN	20	-10.61440	-0.00423	PASS			
				30	-4.27723	-0.00171	PASS			
				40	-9.36985	-0.00374	PASS			
				50	-9.28402	-0.00370	PASS			
				-30	-4.90665	-0.00194	PASS			
				-20	-2.80380	-0.00111	PASS			
				-10	-3.49045	-0.00138	PASS			
				0	-3.24726	-0.00128	PASS			
				10	-2.20299	-0.00087	PASS			
				20	-3.97682	-0.00157	PASS			
				30	-0.51498	-0.00020	PASS			
				40	-2.53200	-0.00100	PASS			
		HCH	VN	50	-1.33038	-0.00052	PASS			
				-30	-10.32829	-0.00403	PASS			
				-20	-9.16958	-0.00358	PASS			
				-10	-8.55446	-0.00334	PASS			
				0	-8.29697	-0.00324	PASS			
							10	-10.21385	-0.00399	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-9.28402	-0.00362	PASS		
					30	-6.78062	-0.00265	PASS		
					40	-8.48293	-0.00331	PASS		
					50	-7.25269	-0.00283	PASS		
		20	LCH	VN	-30	-10.02789	-0.00400	PASS		
					-20	-9.25541	-0.00369	PASS		
					-10	-9.11236	-0.00363	PASS		
					0	-9.49860	-0.00378	PASS		
					10	-3.06129	-0.00122	PASS		
					20	-7.96795	-0.00317	PASS		
					30	-8.98361	-0.00358	PASS		
					40	-10.42843	-0.00415	PASS		
					50	-7.30991	-0.00291	PASS		
					MCH	VN	-30	-3.86238	-0.00152	PASS
							-20	-4.77791	-0.00188	PASS
							-10	-3.01838	-0.00119	PASS
							0	-3.31879	-0.00131	PASS
							10	-2.54631	-0.00100	PASS
							20	-3.01838	-0.00119	PASS
							30	-3.56197	-0.00141	PASS
		40	-3.60489	-0.00142			PASS			
		HCH	VN	-30	-4.47750	-0.00175	PASS			
				-20	-4.87804	-0.00191	PASS			
				-10	-5.67913	-0.00222	PASS			
				0	-4.72069	-0.00184	PASS			
				10	-1.43051	-0.00056	PASS			
				20	-4.09126	-0.00160	PASS			
				30	-8.52585	-0.00333	PASS			
				40	-3.69072	-0.00144	PASS			
		50	-5.03540	-0.00197	PASS					

END