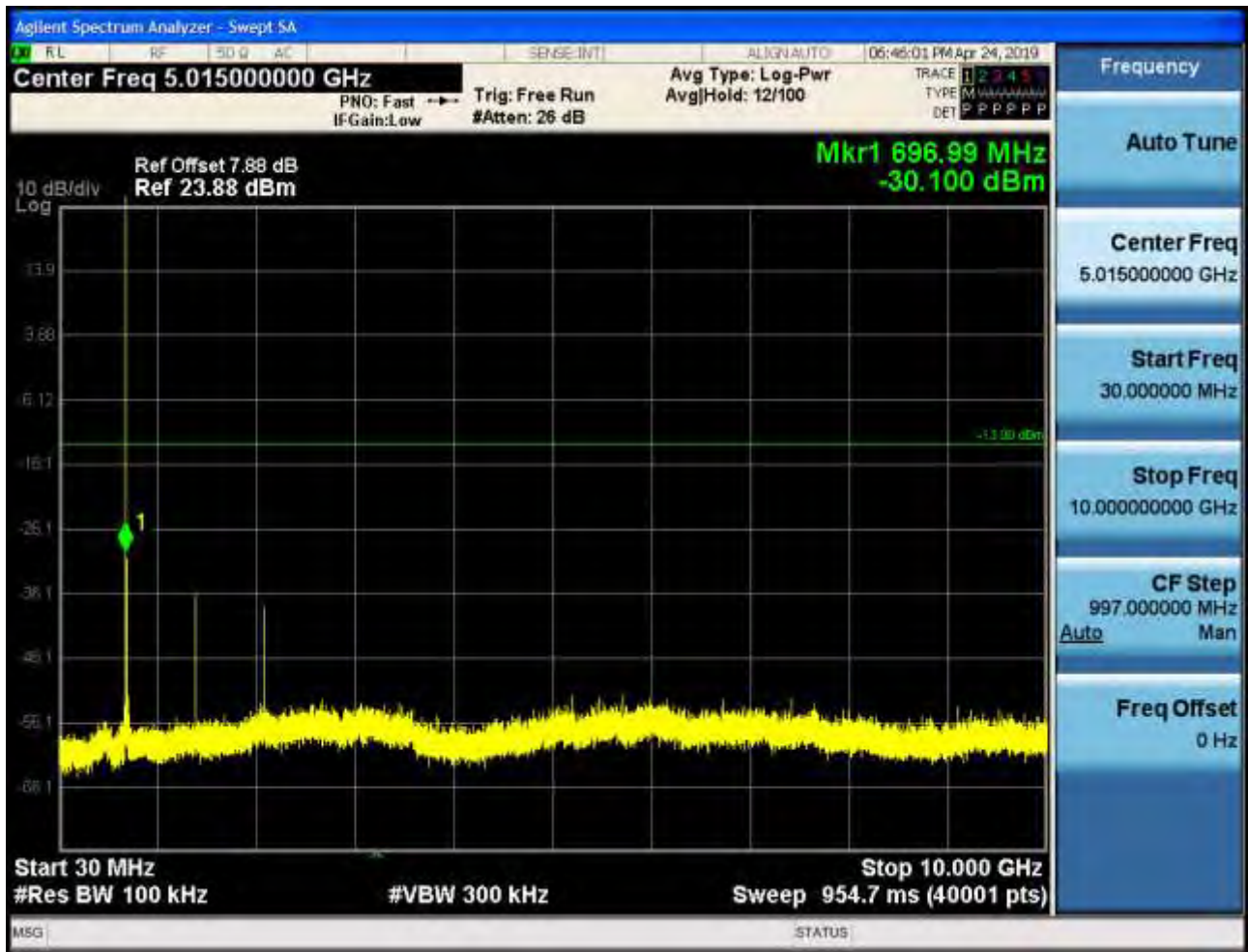
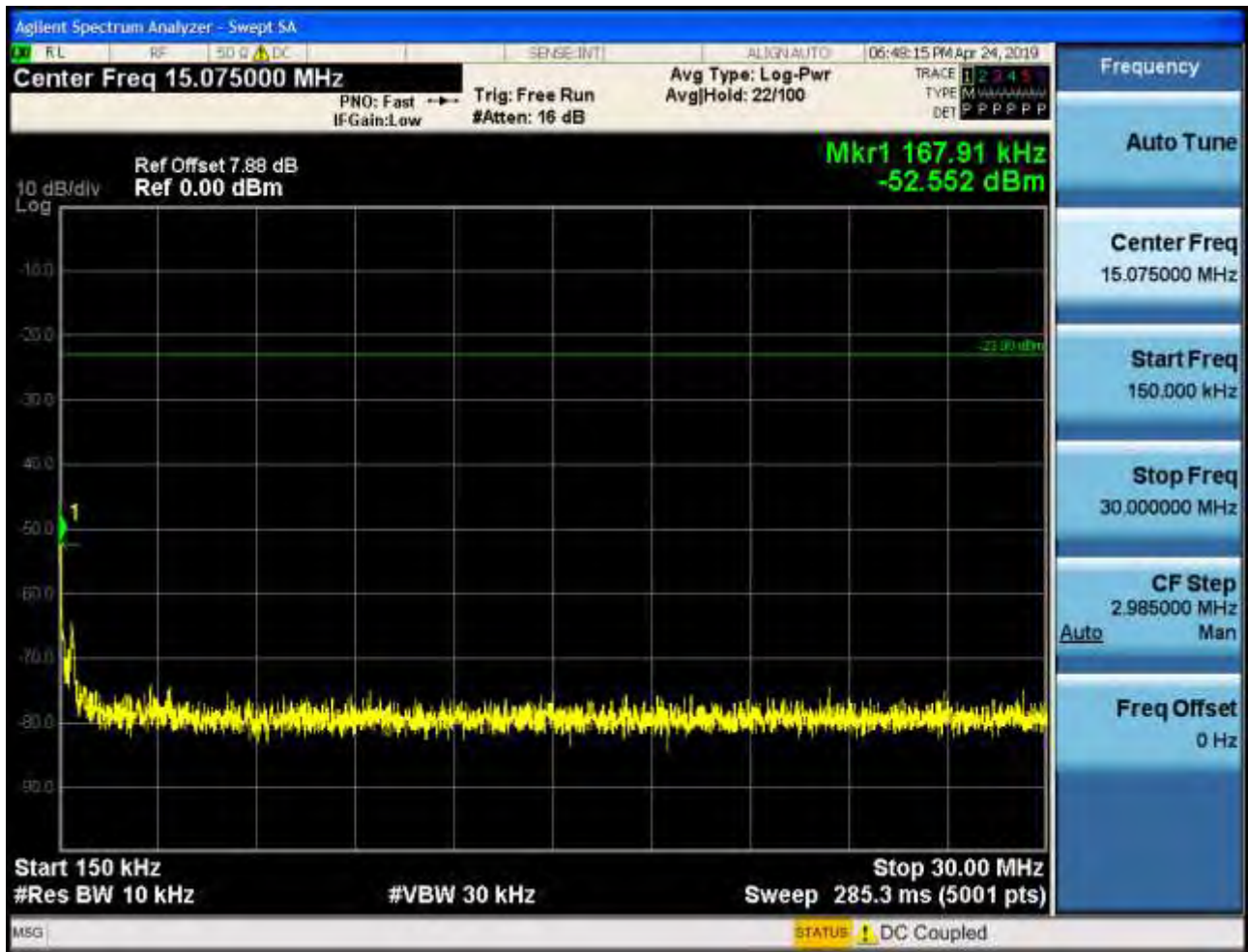


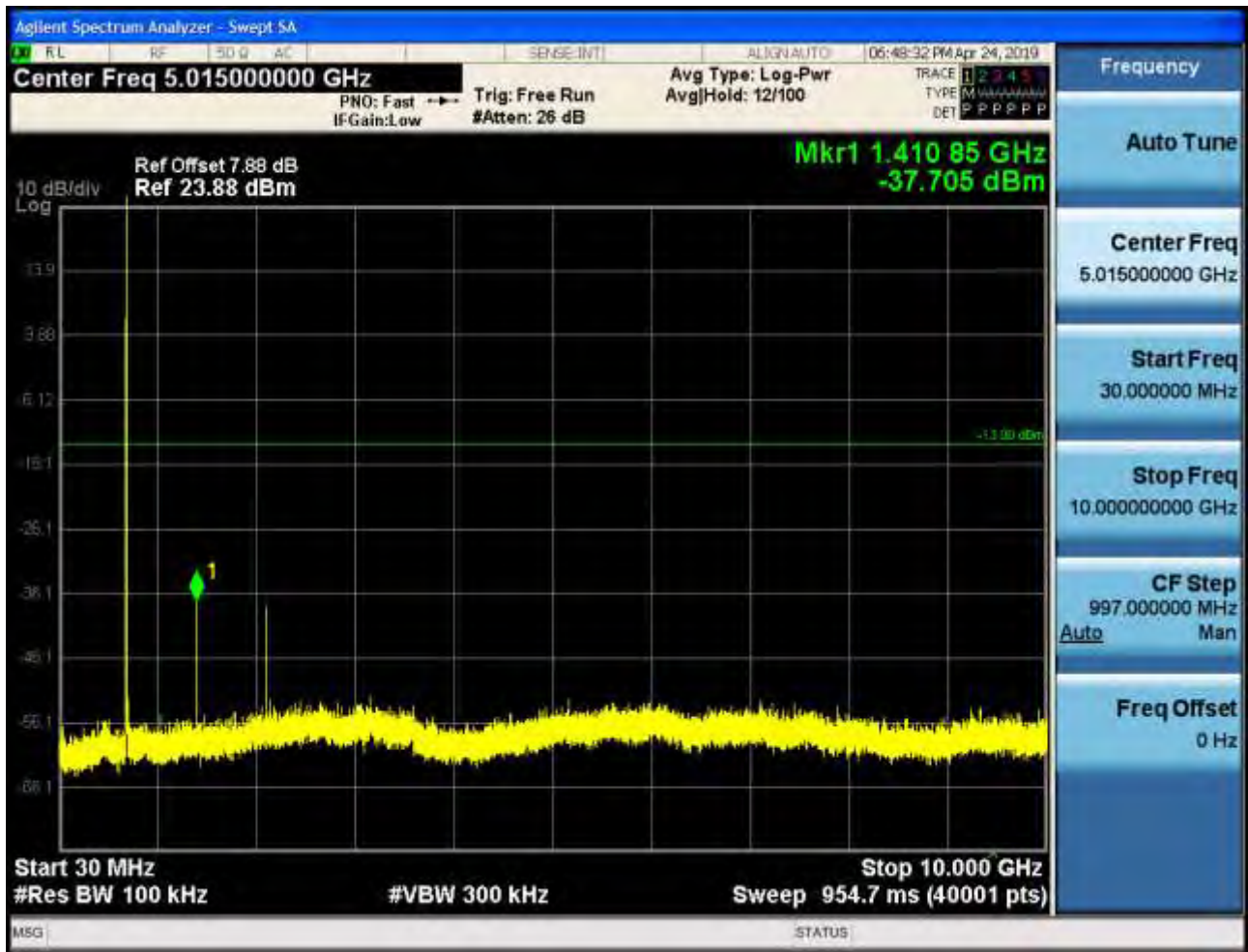


6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0



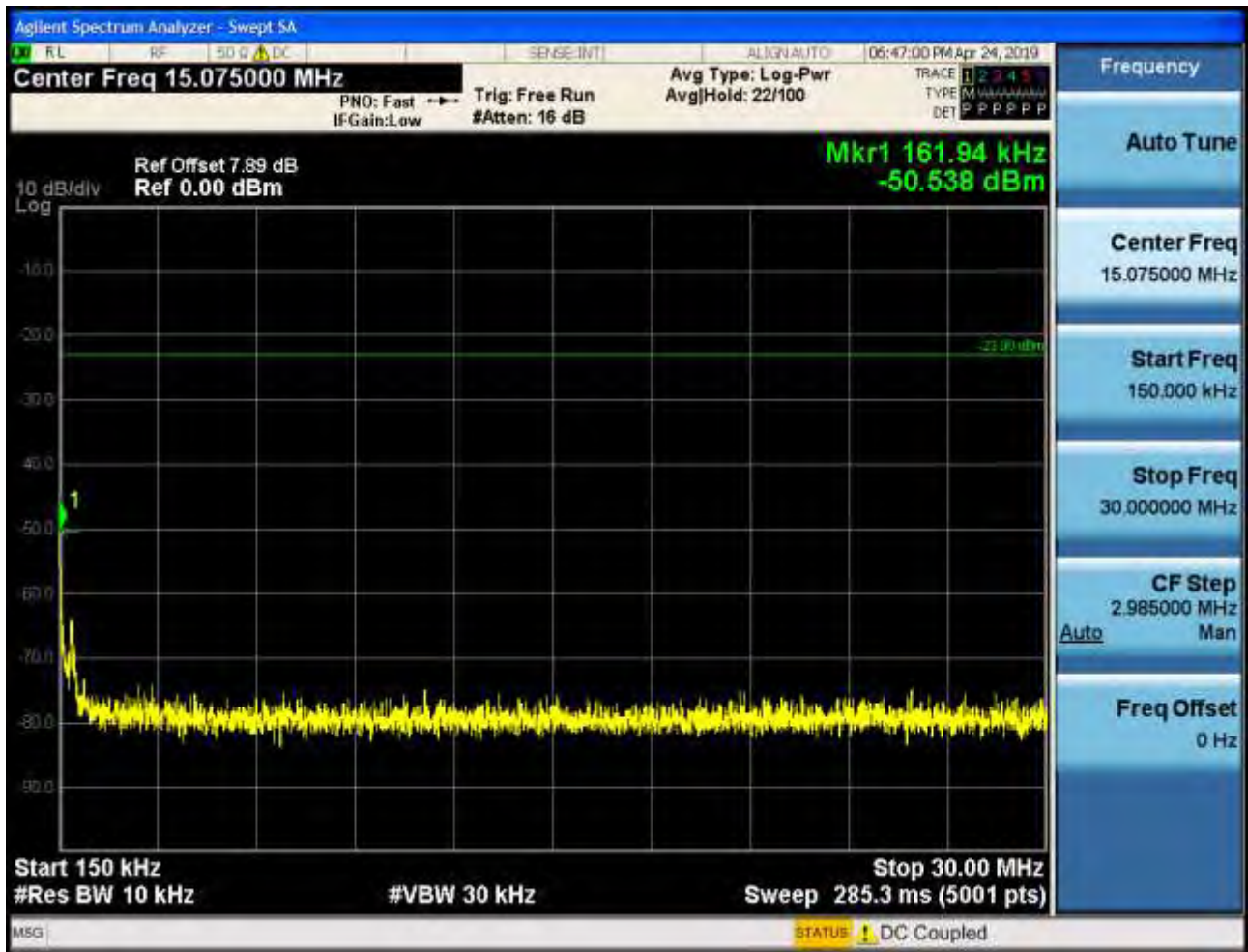


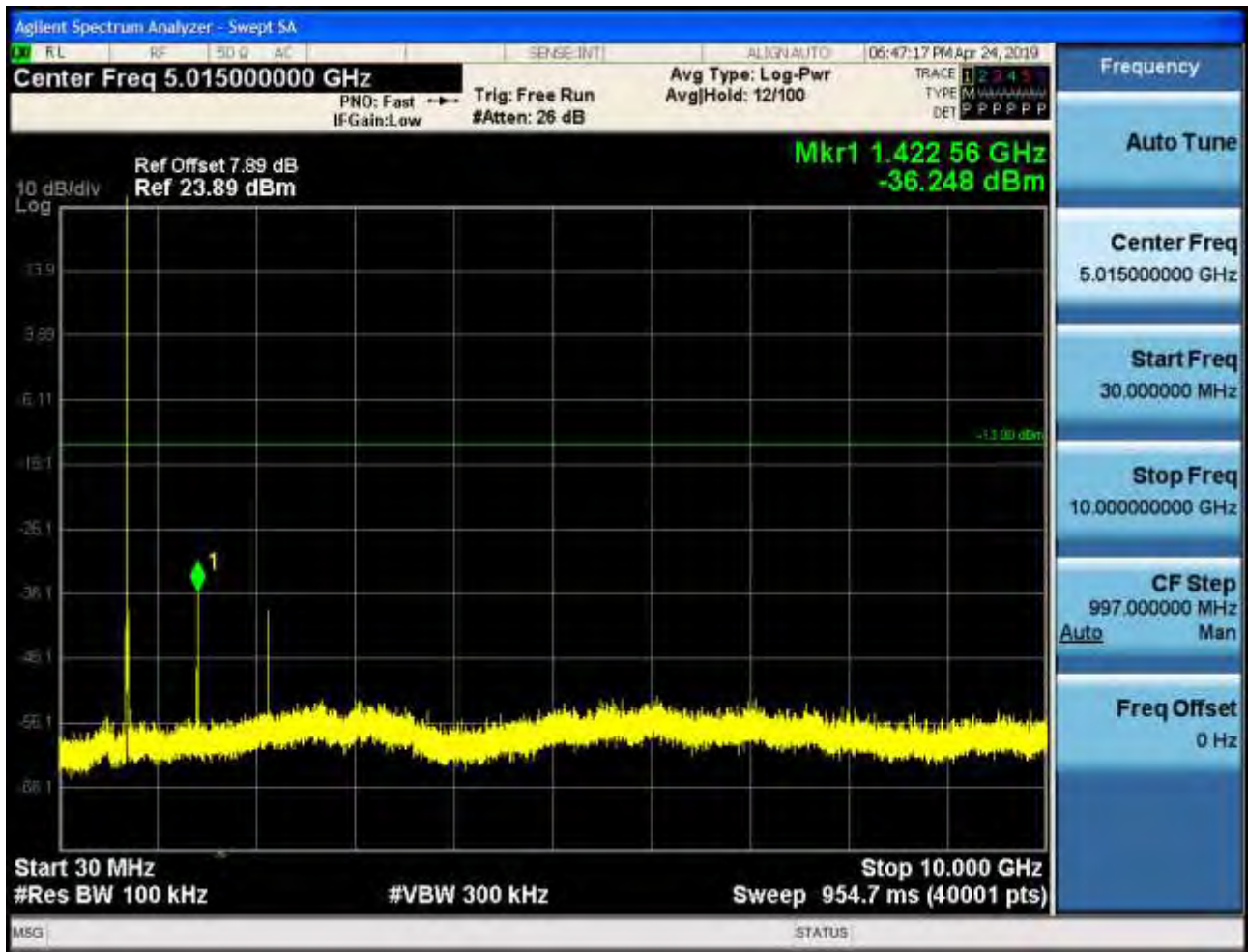


6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0





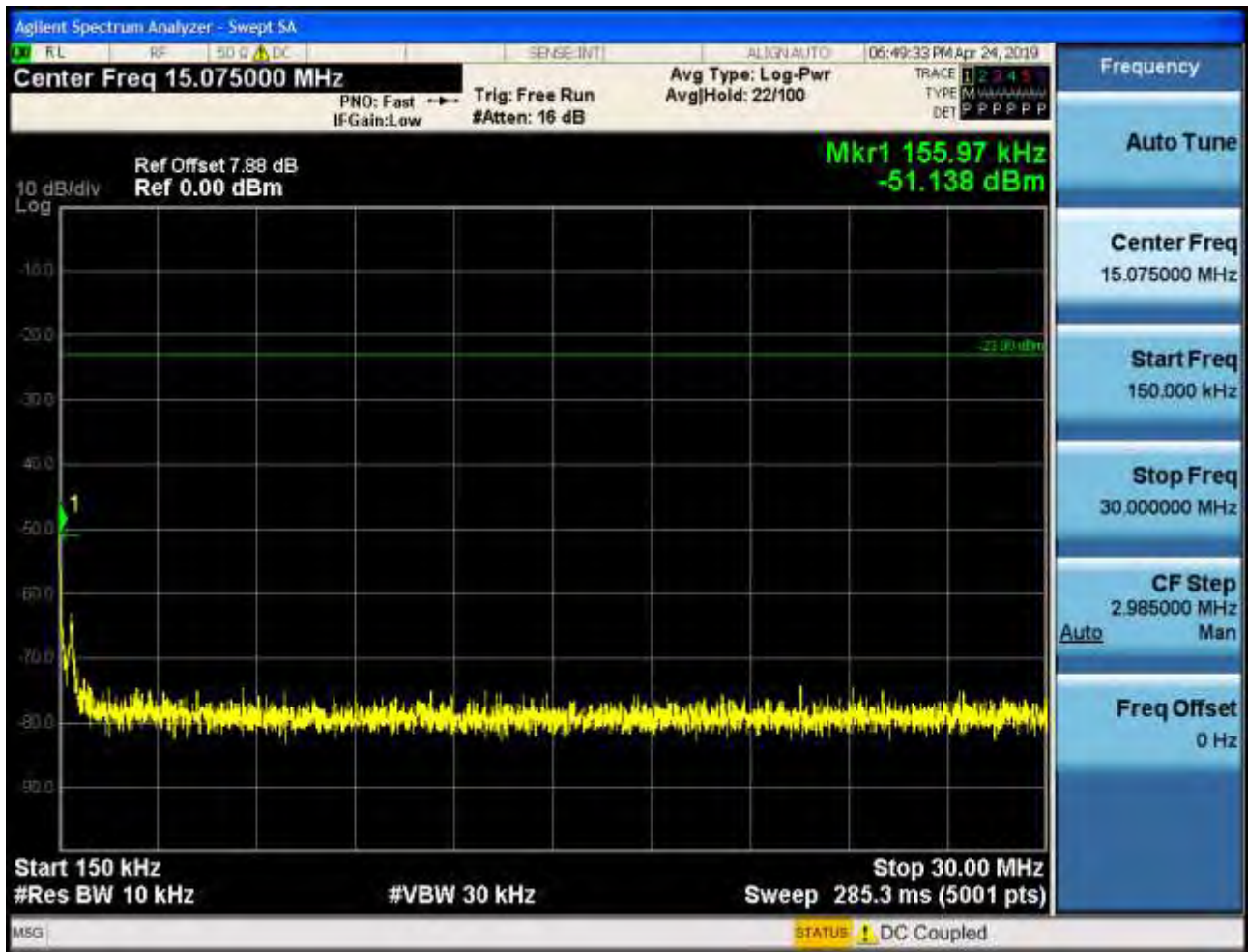


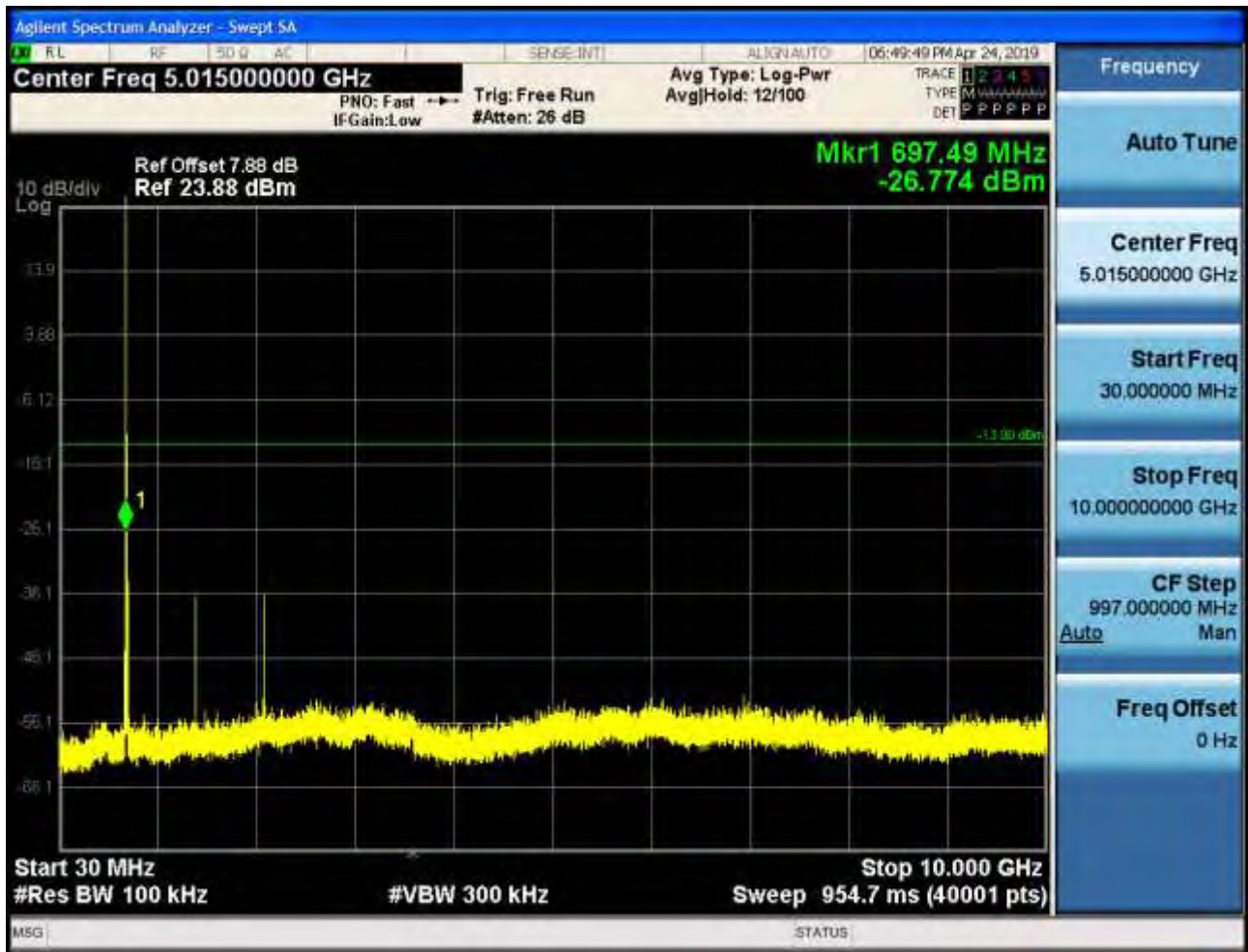
6.2.1.1.4 Test Bandwidth = 10

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0



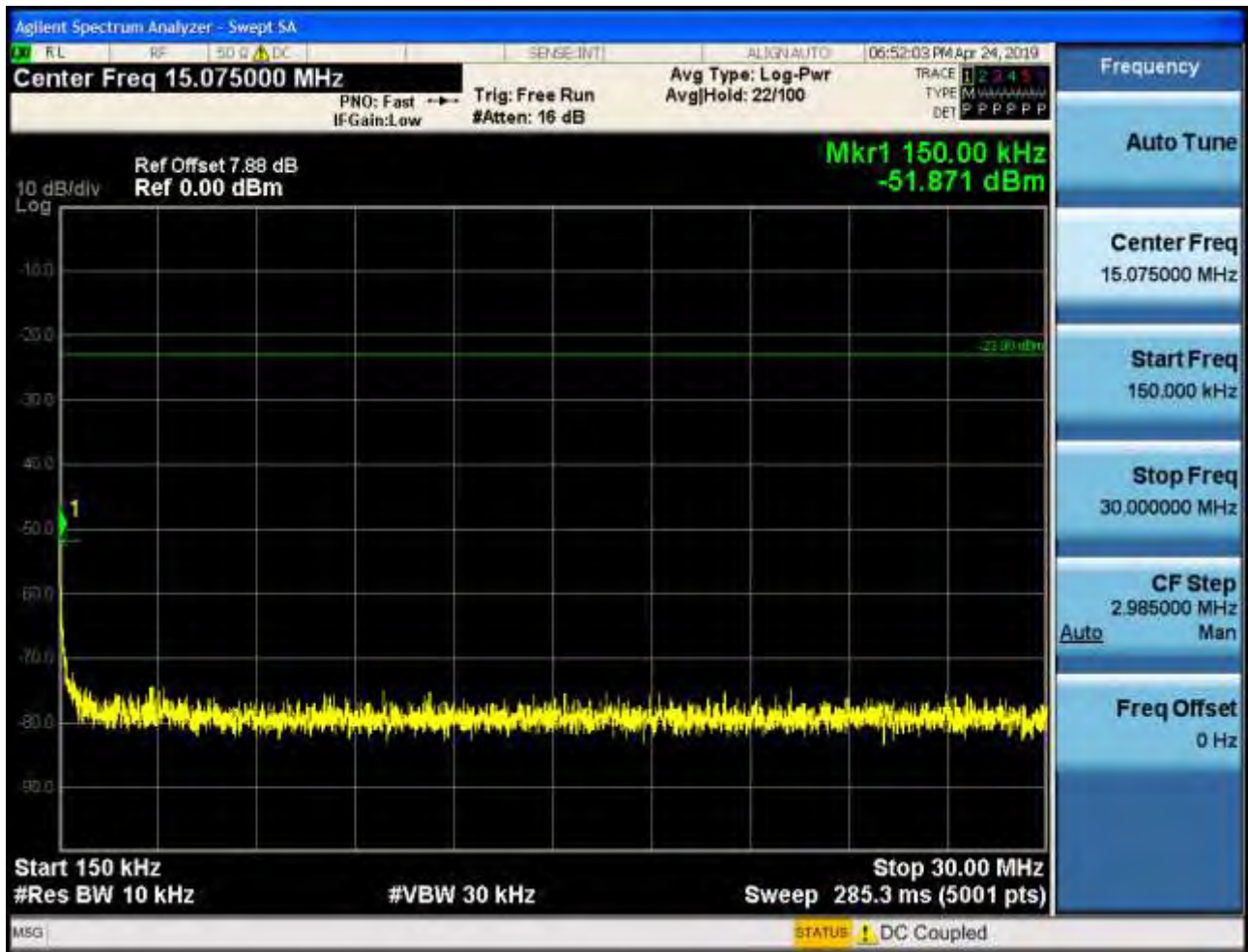




6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0



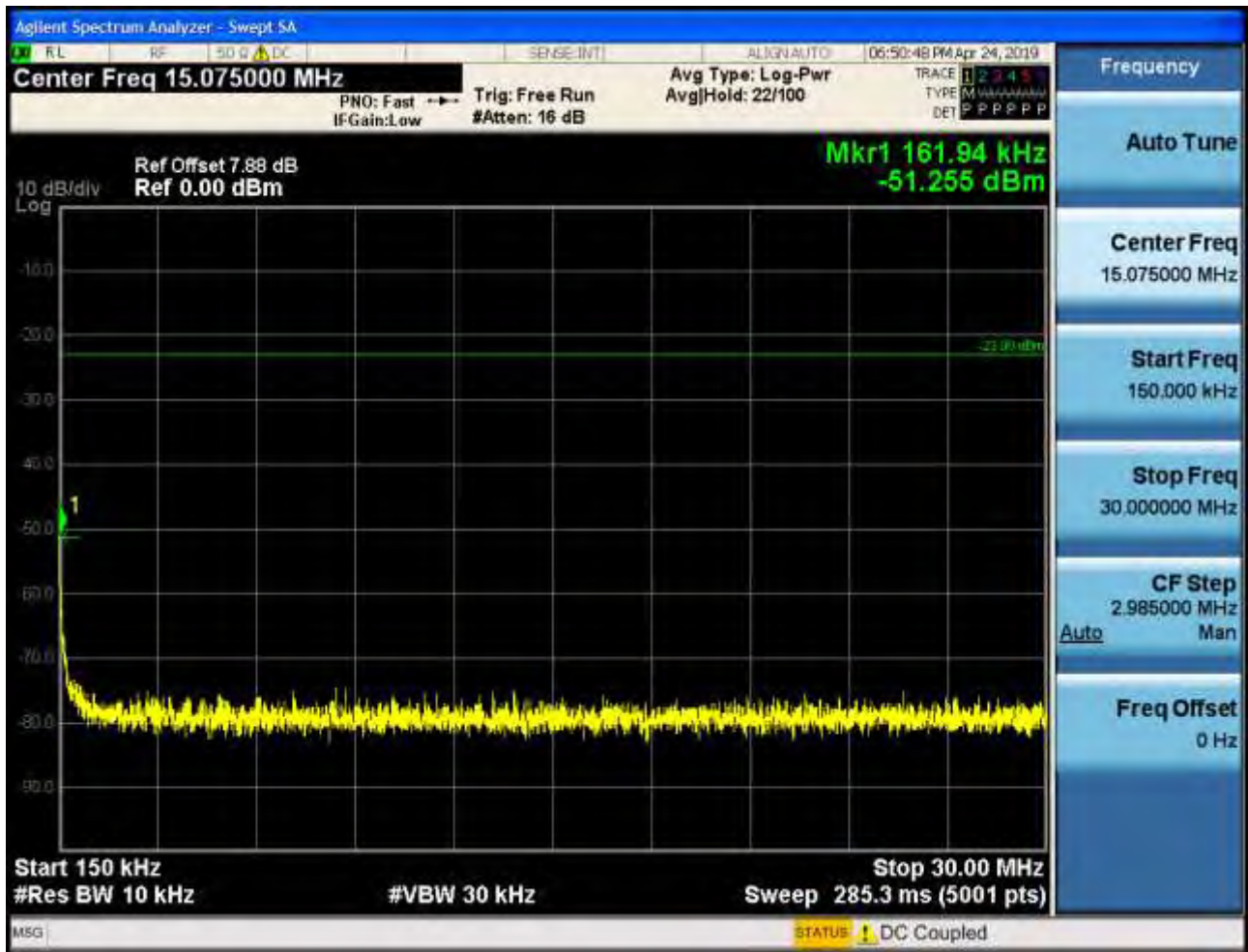


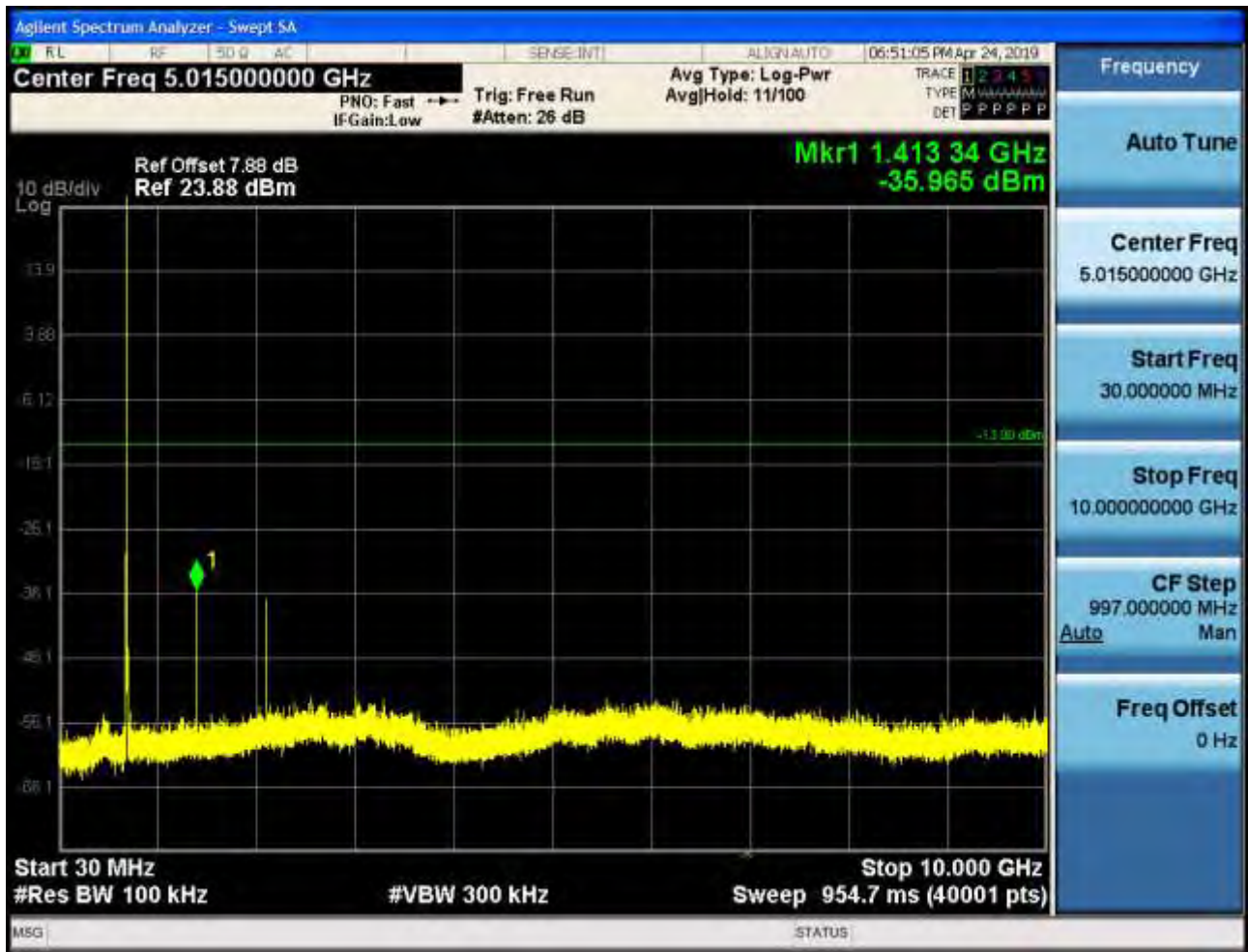


6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0







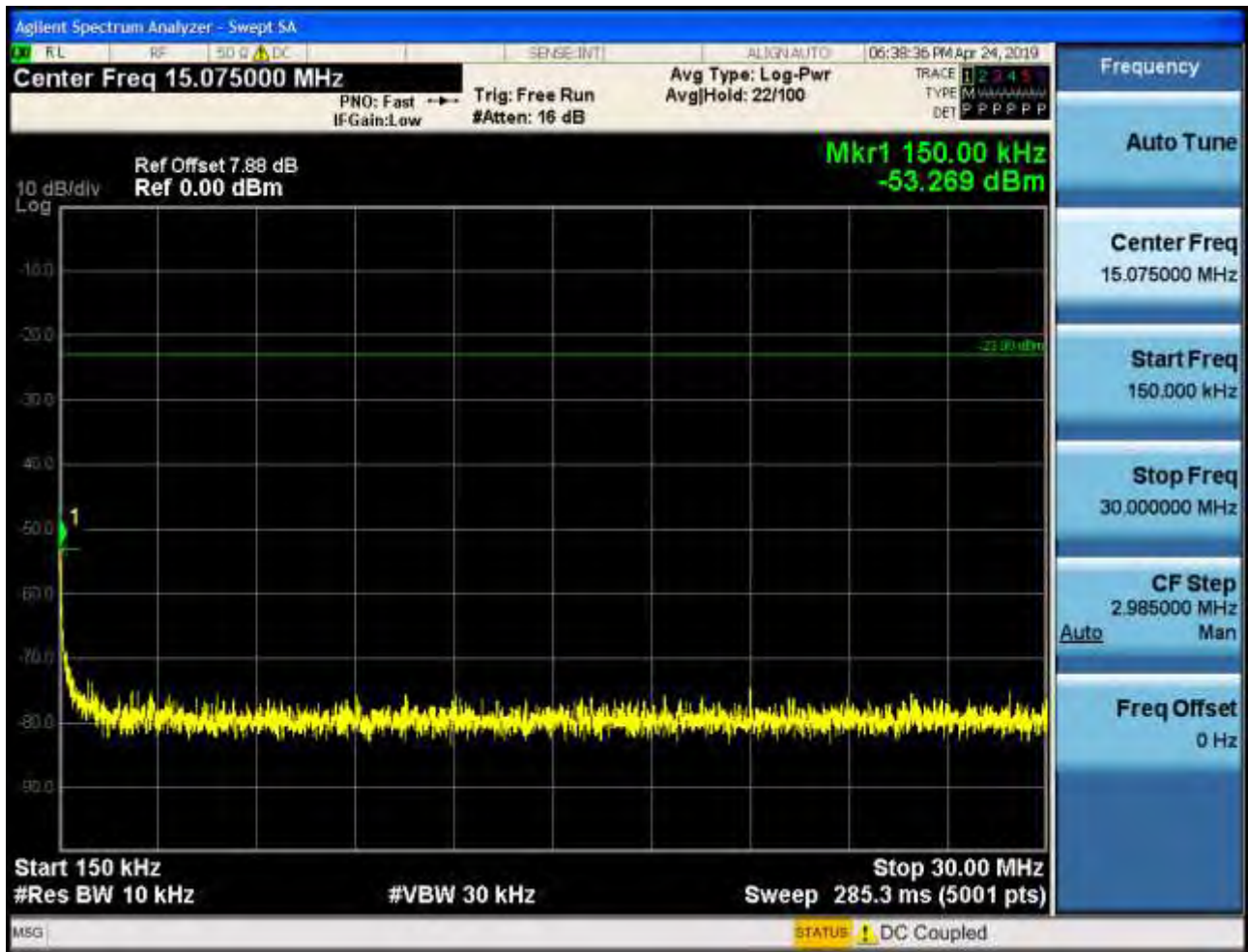
6.2.1.2 Test Mode = LTE/TM2

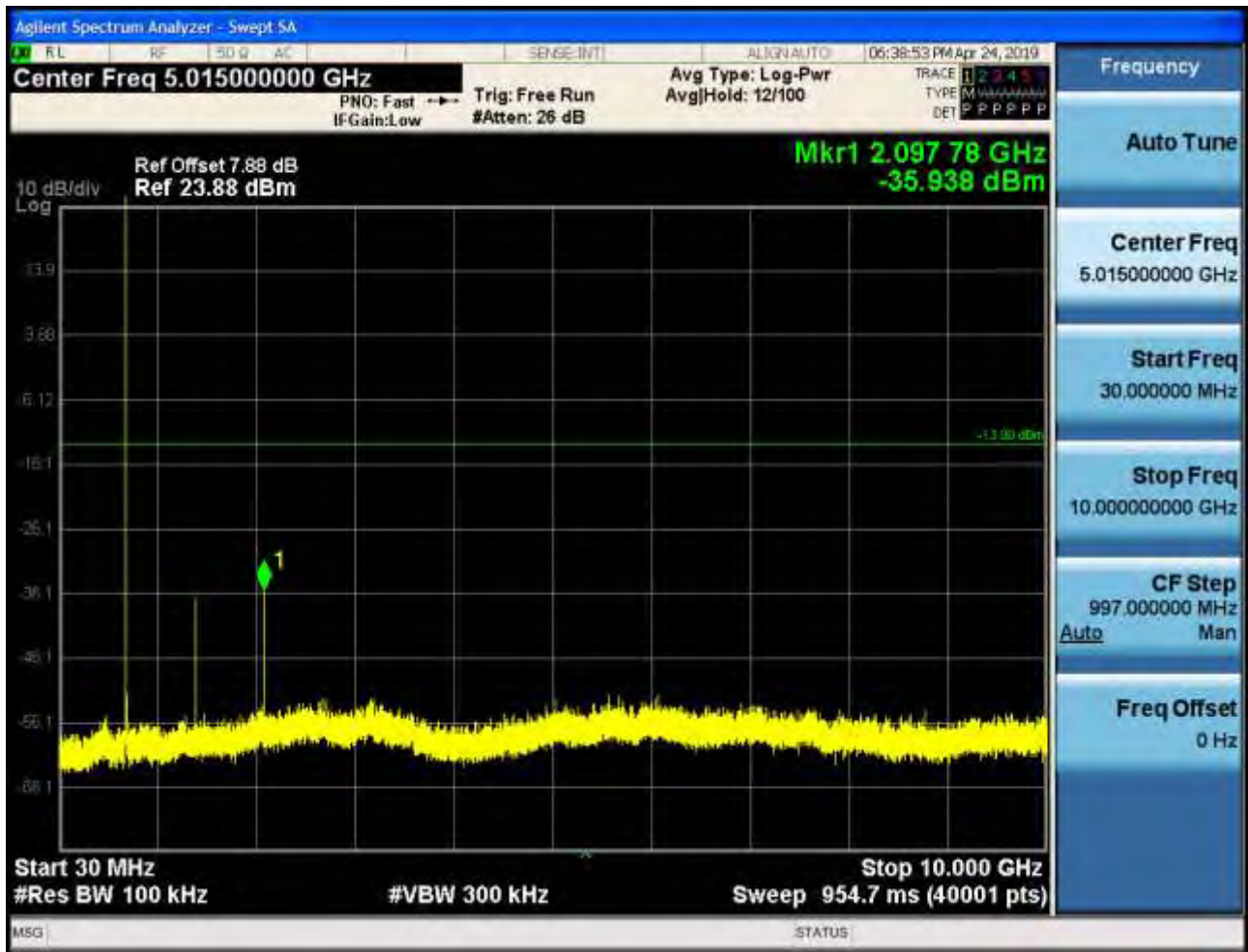
6.2.1.2.1 Test Bandwidth = 1.4

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0



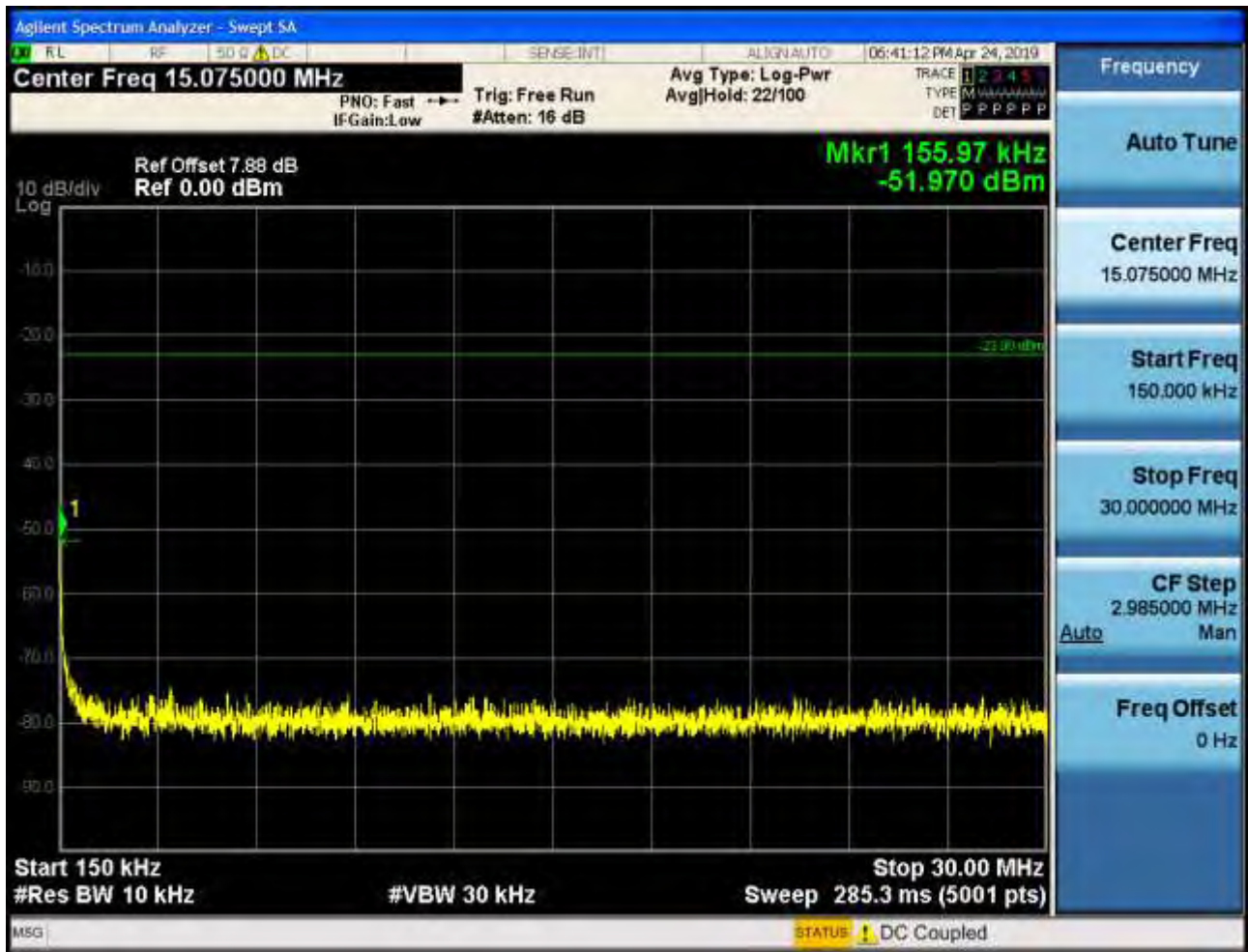


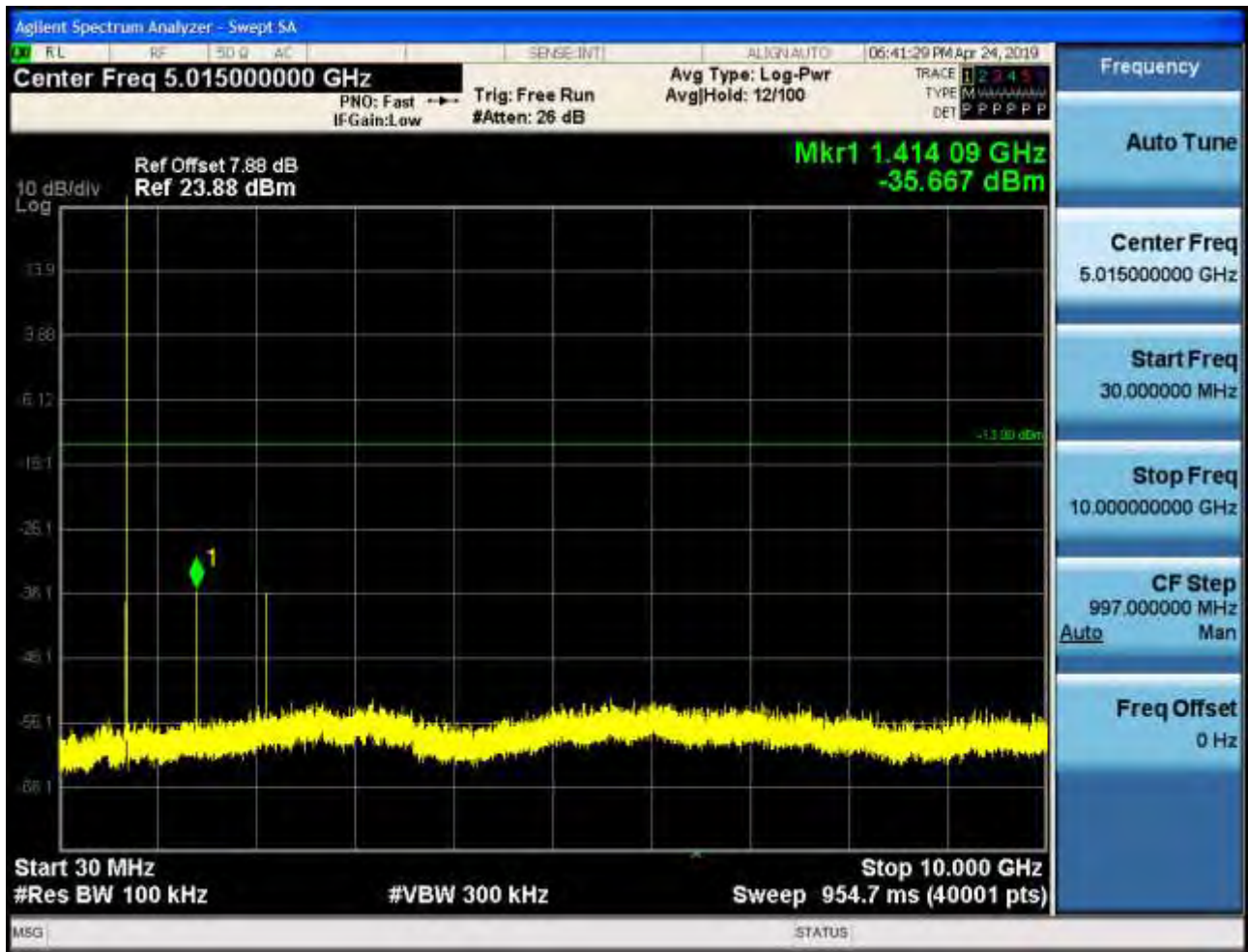


6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0



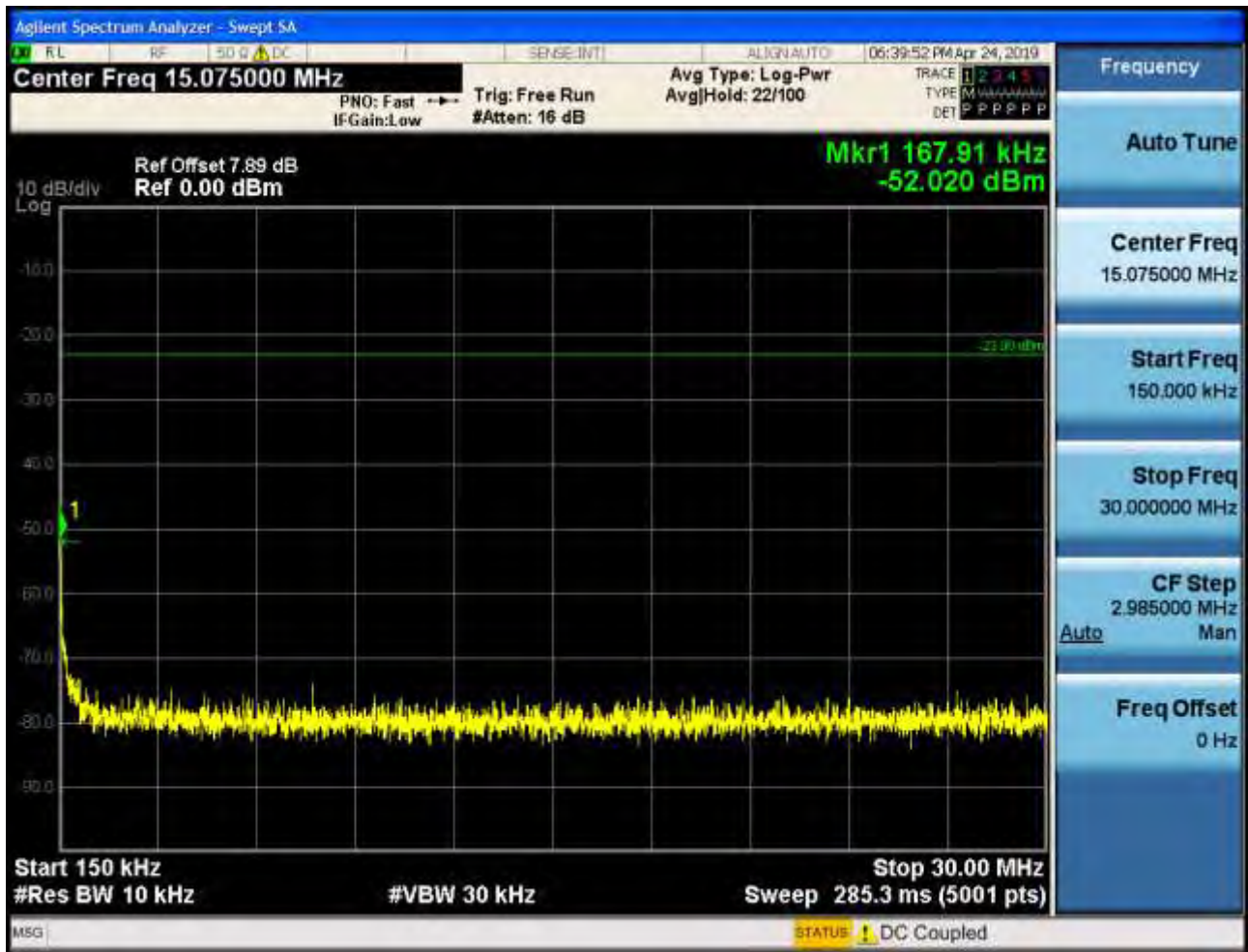


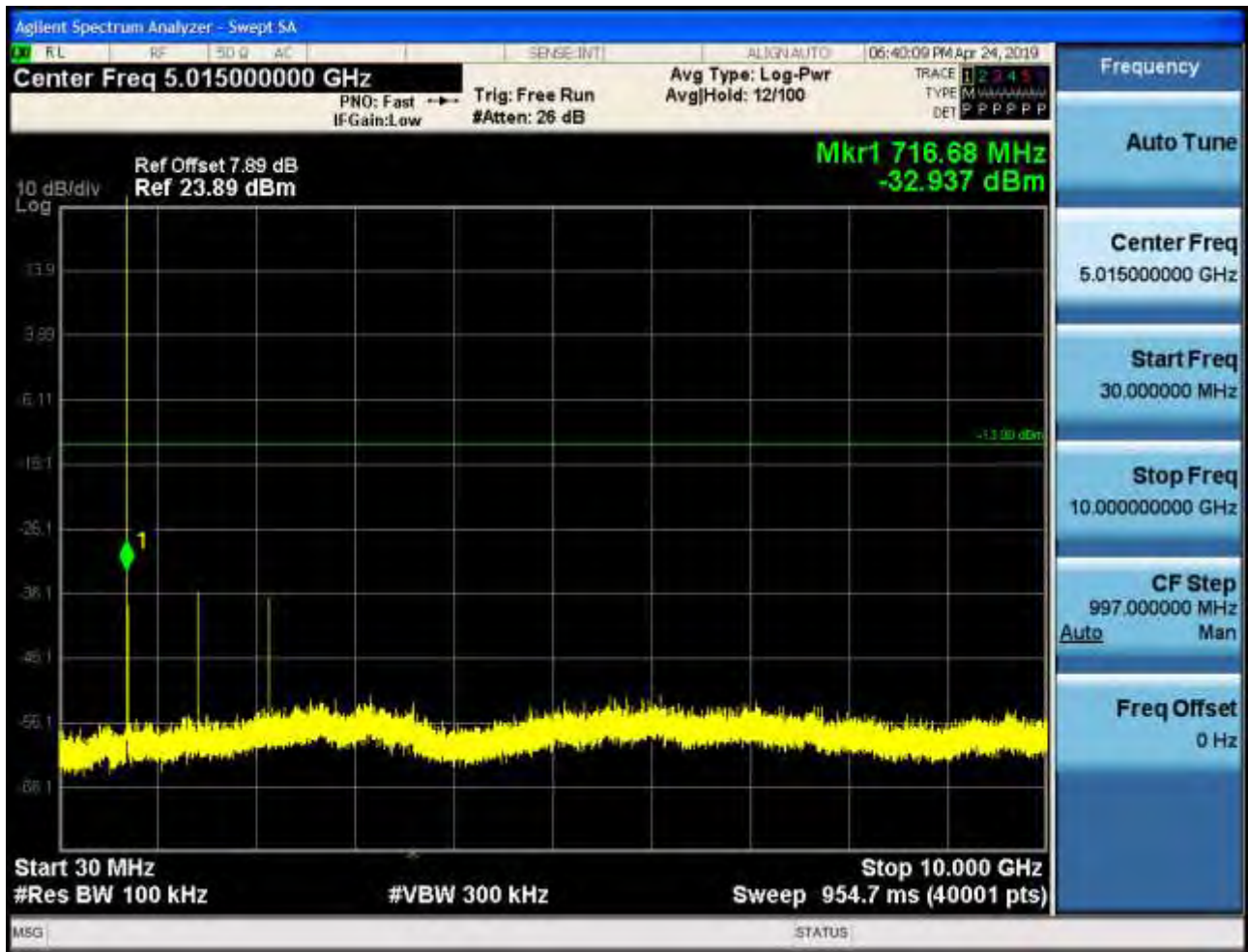


6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0





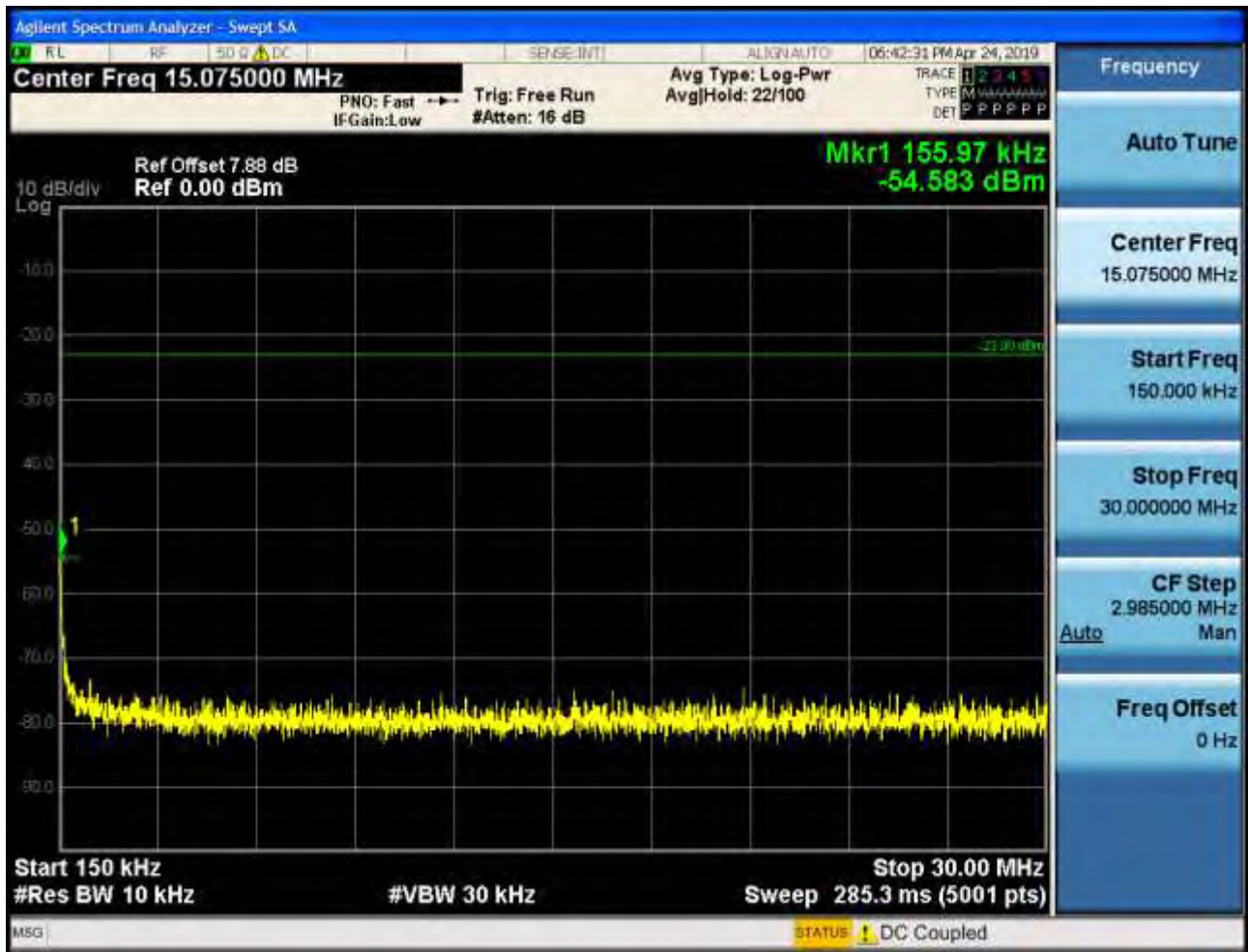


6.2.1.2.2 Test Bandwidth = 3

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0



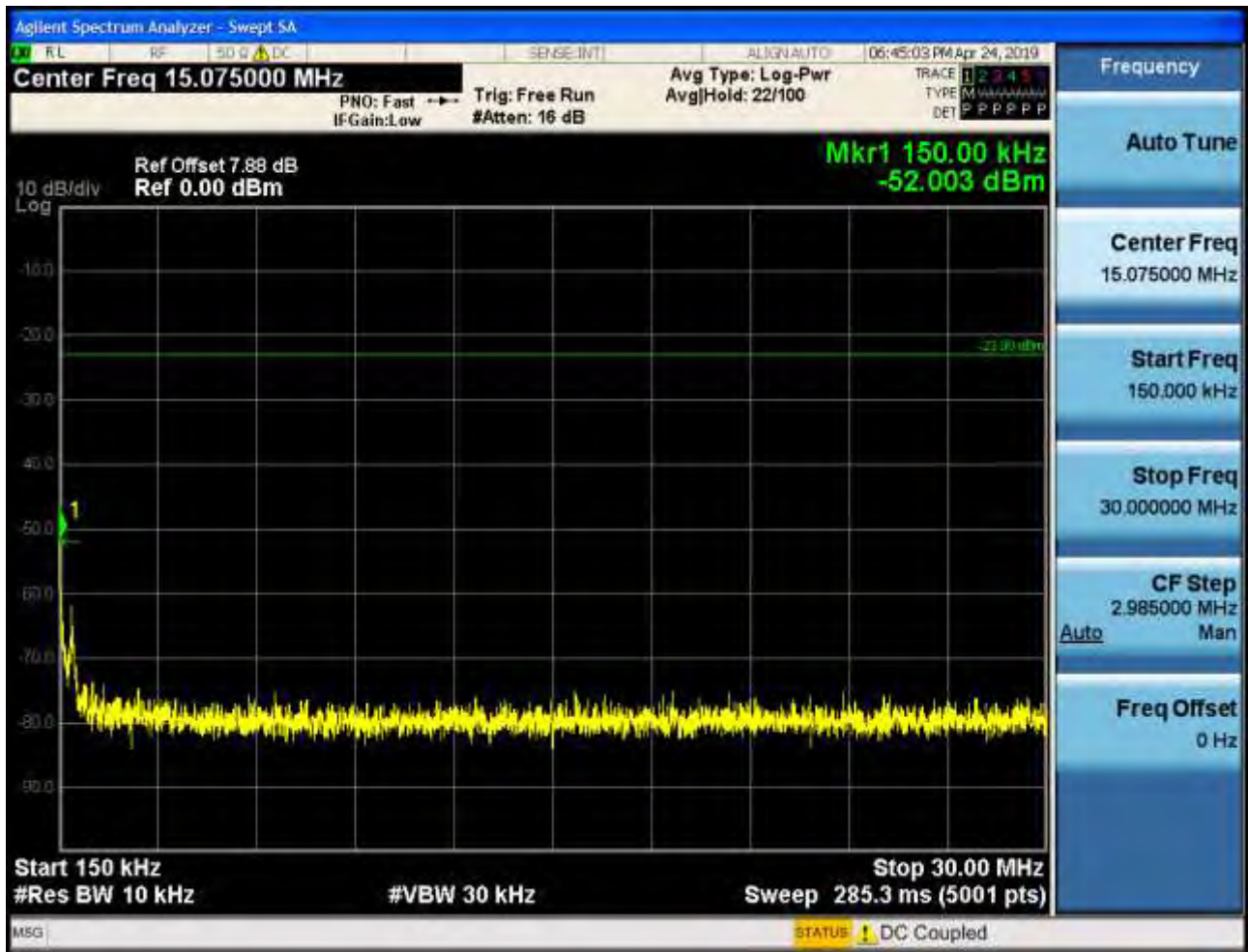


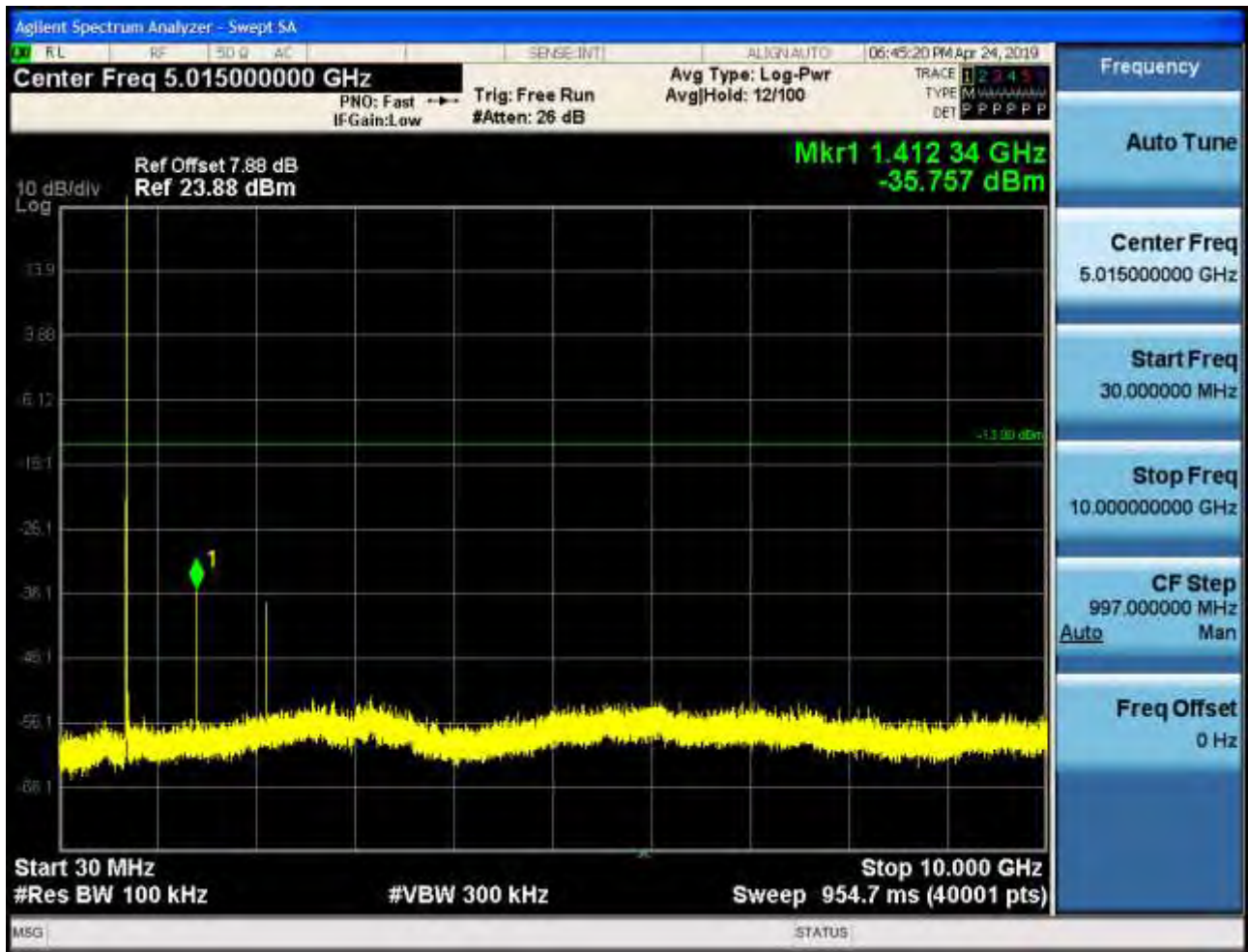


6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0



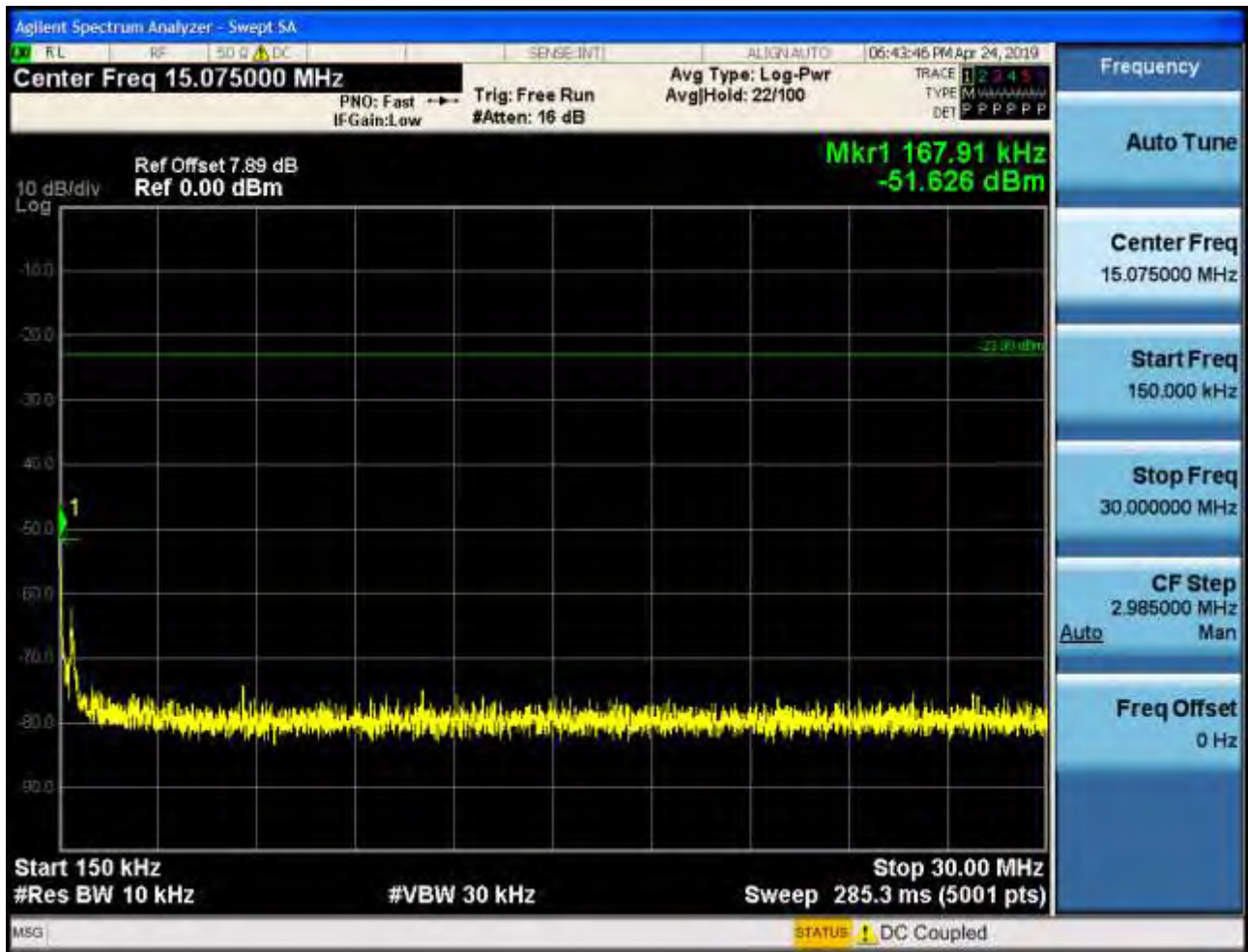


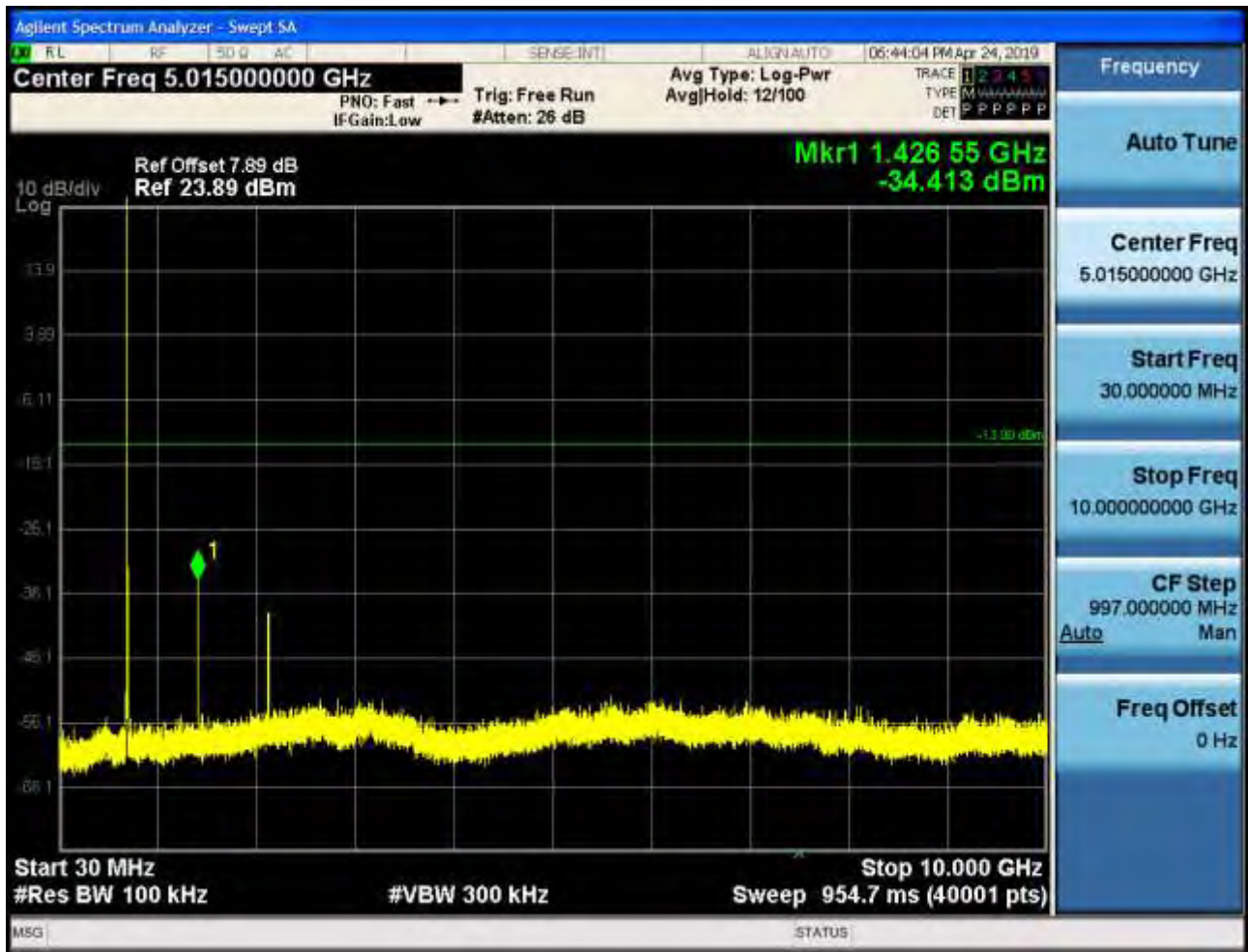


6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0





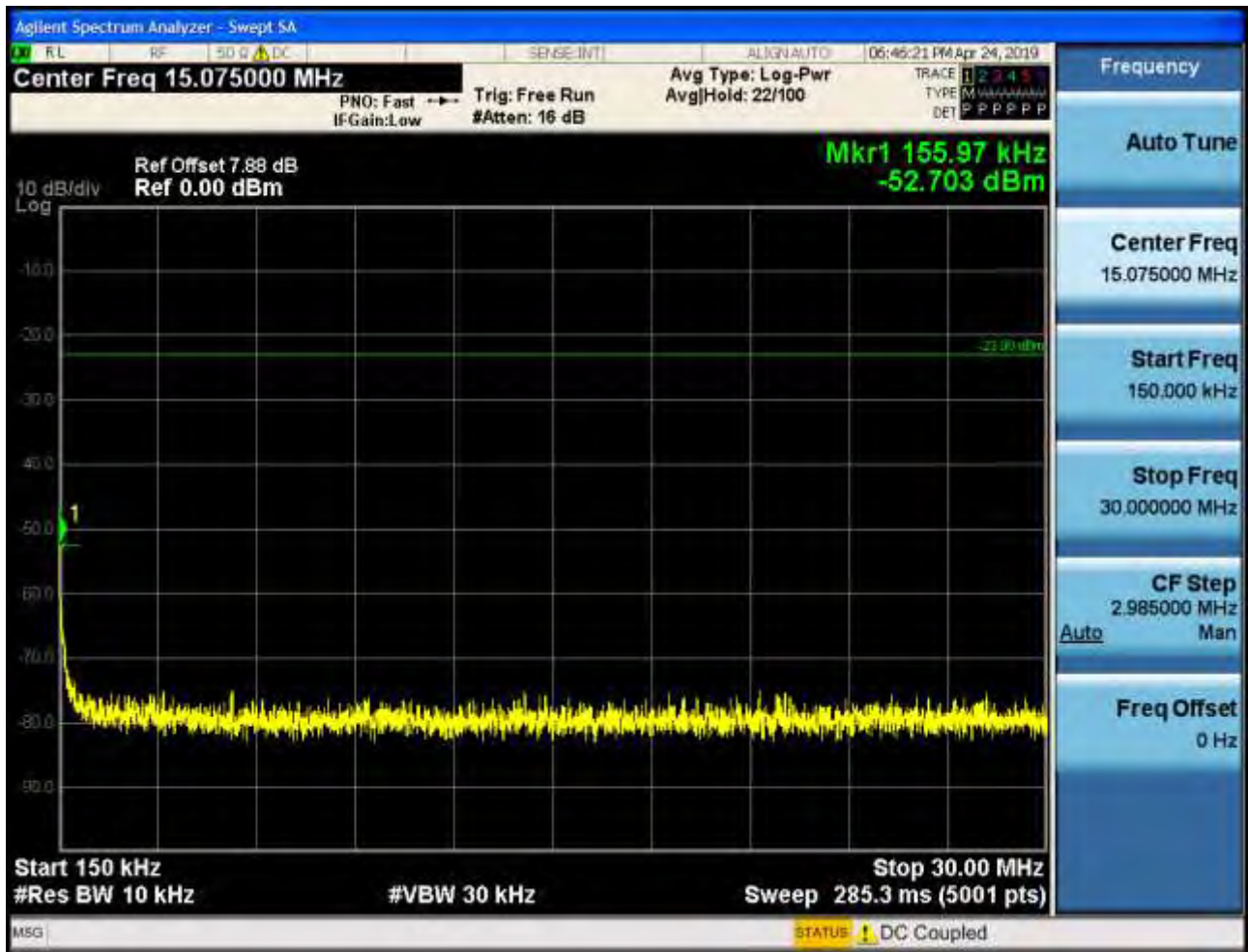


6.2.1.2.3 Test Bandwidth = 5

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0



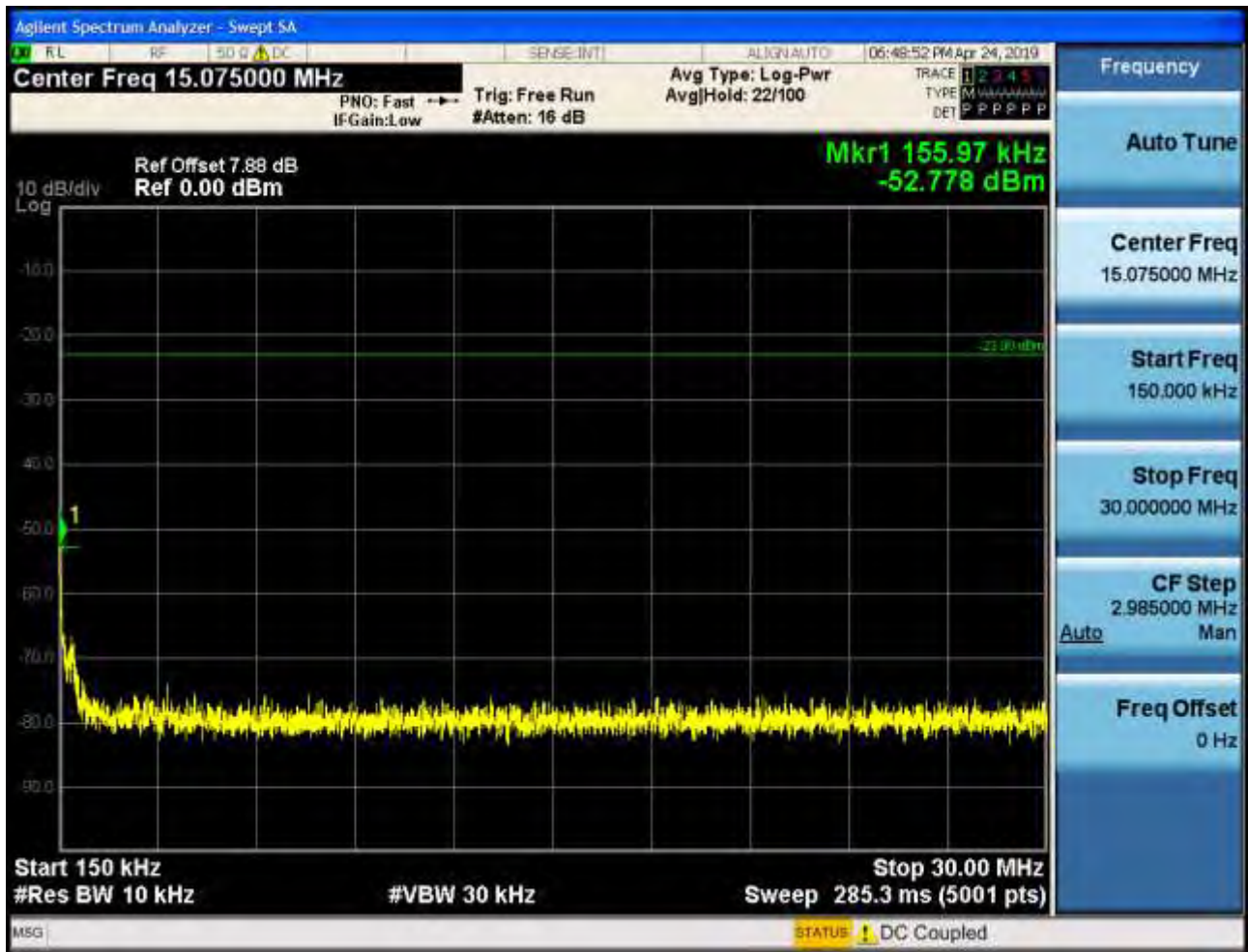


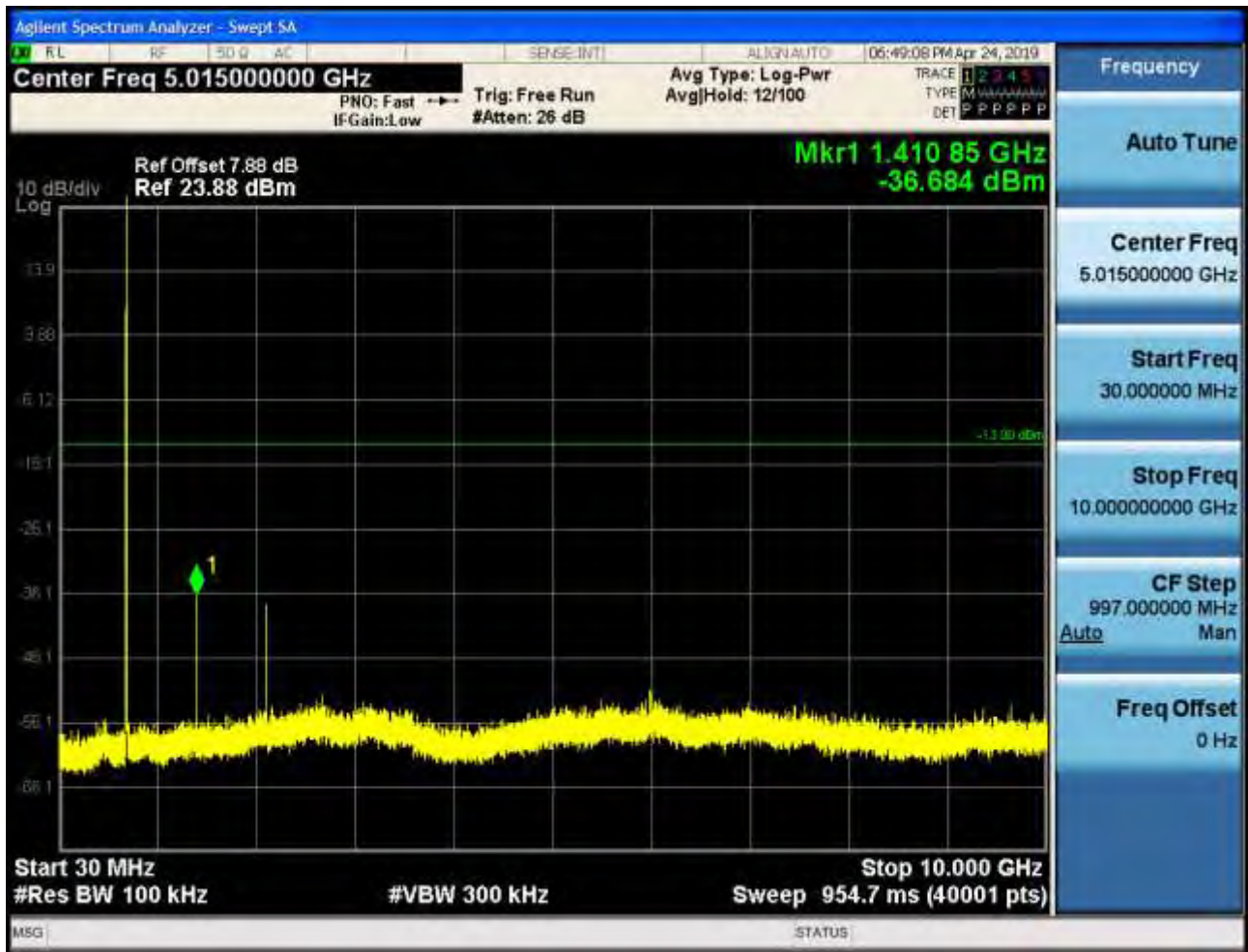


6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0



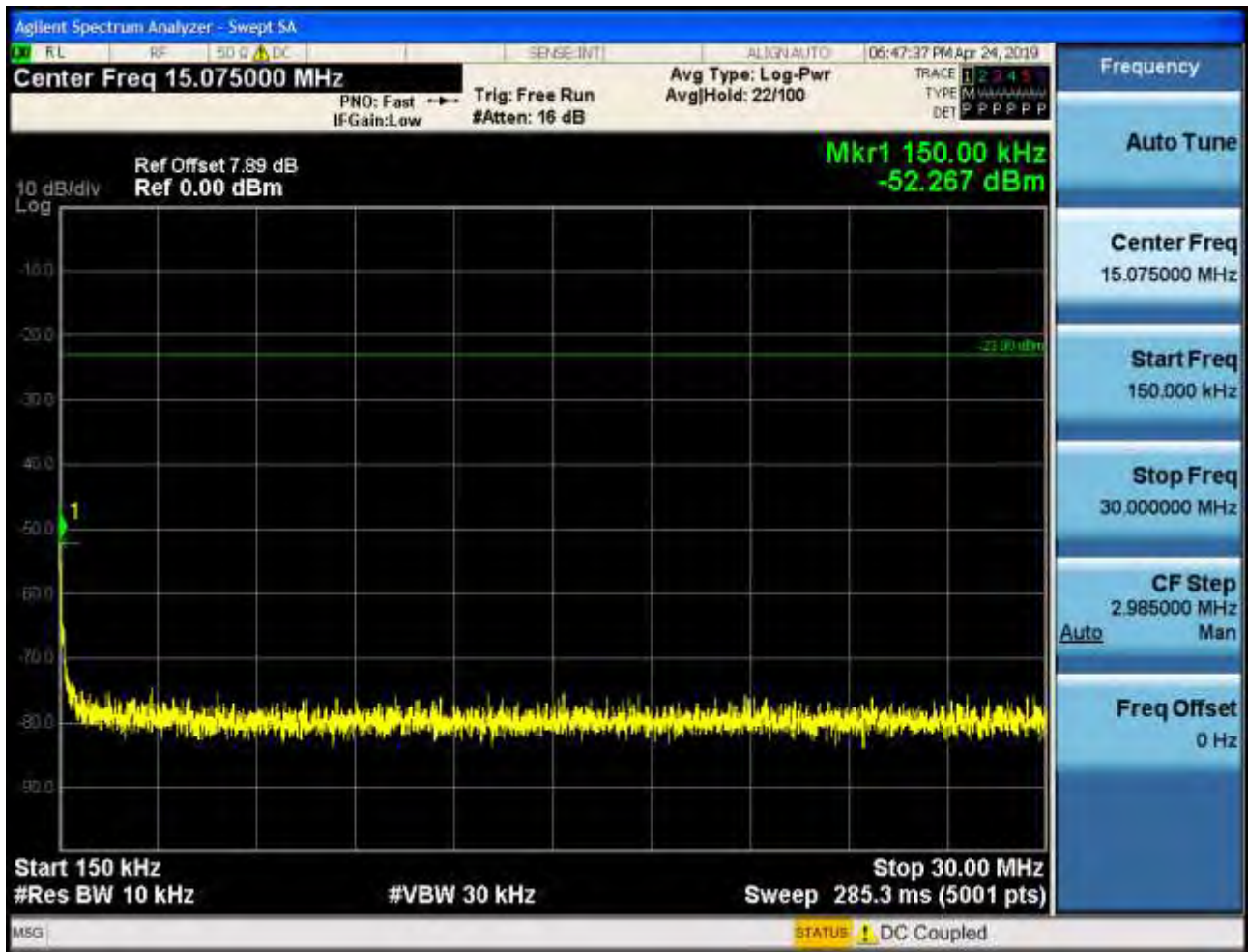


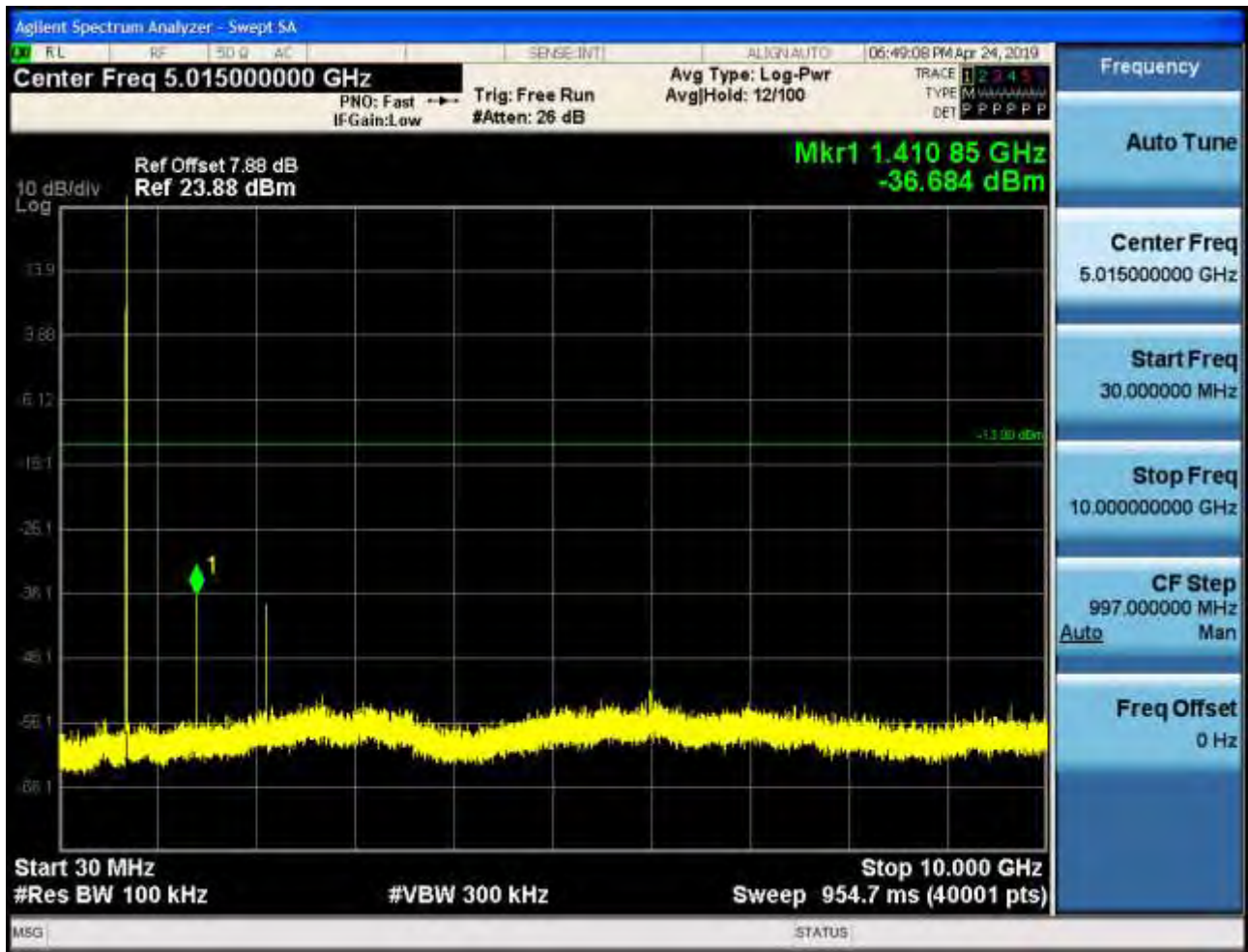


6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0





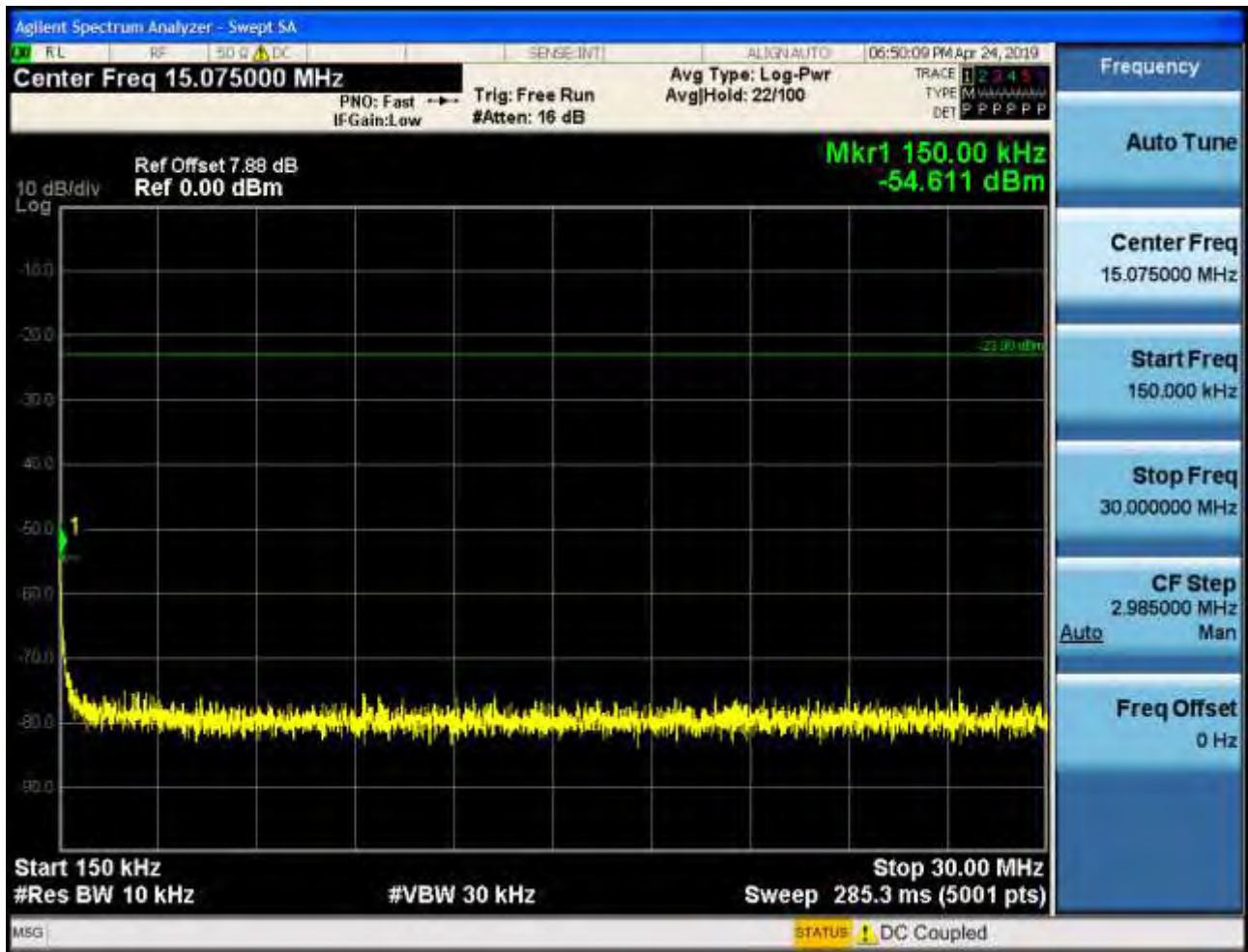


6.2.1.2.4 Test Bandwidth = 10

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0



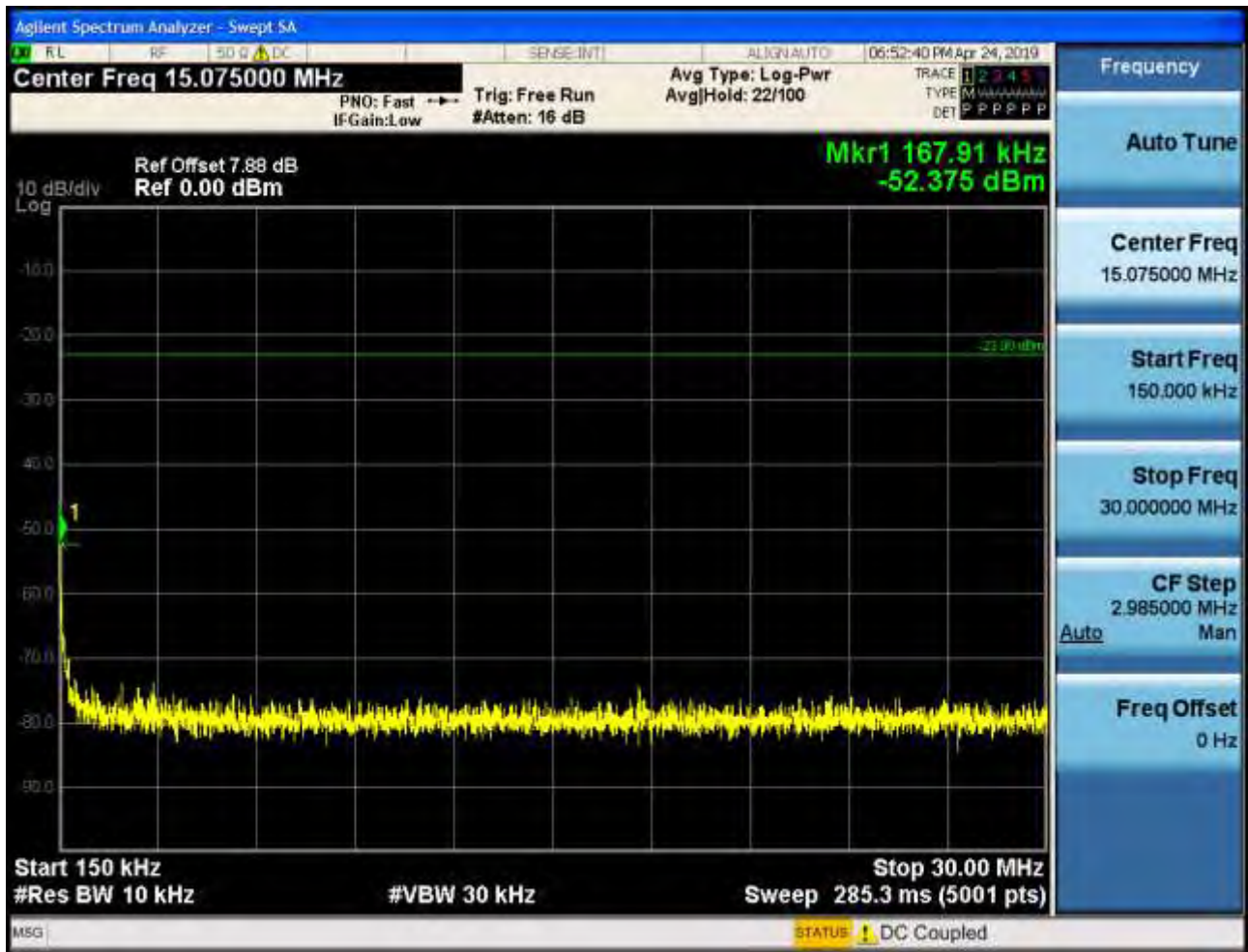


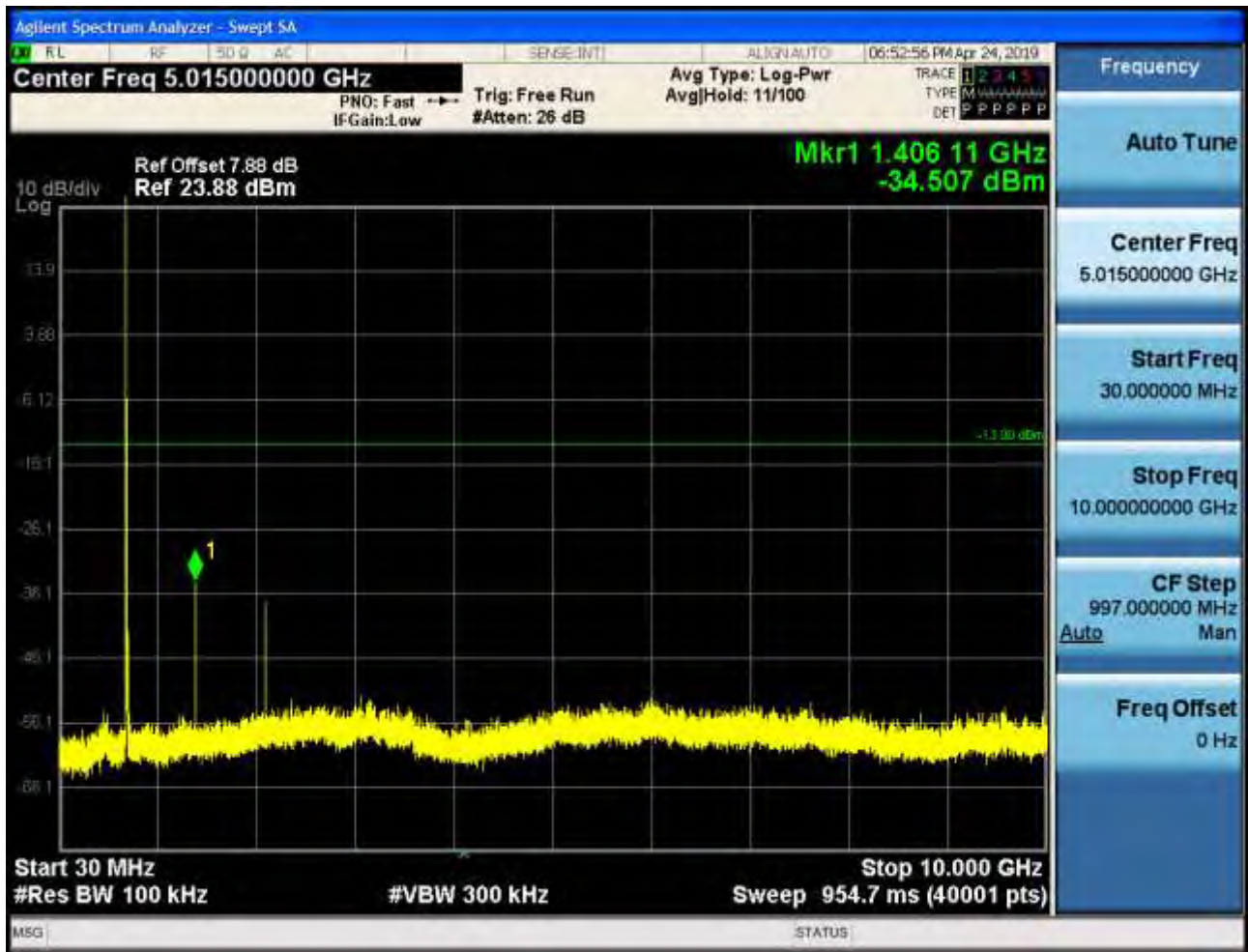


6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0



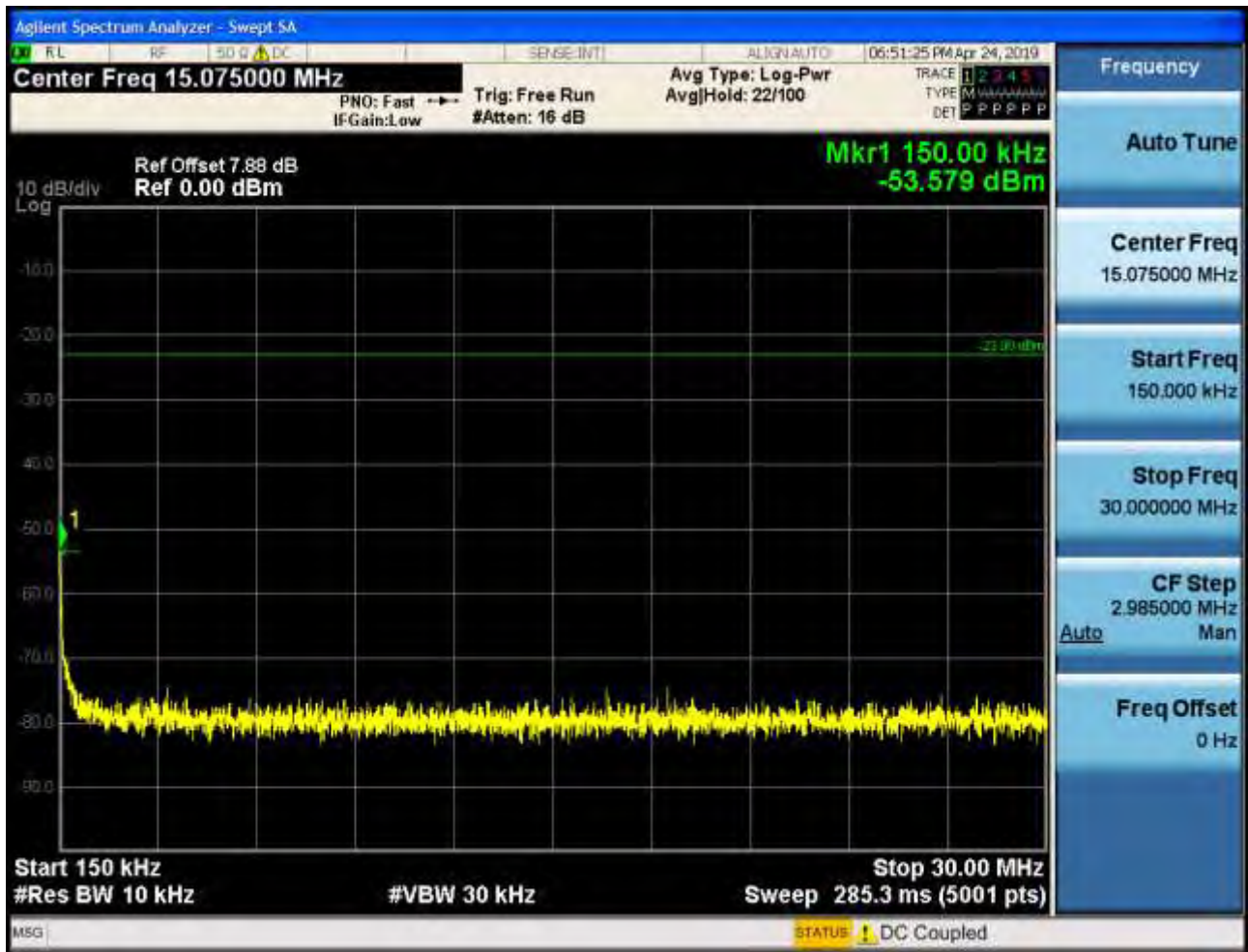


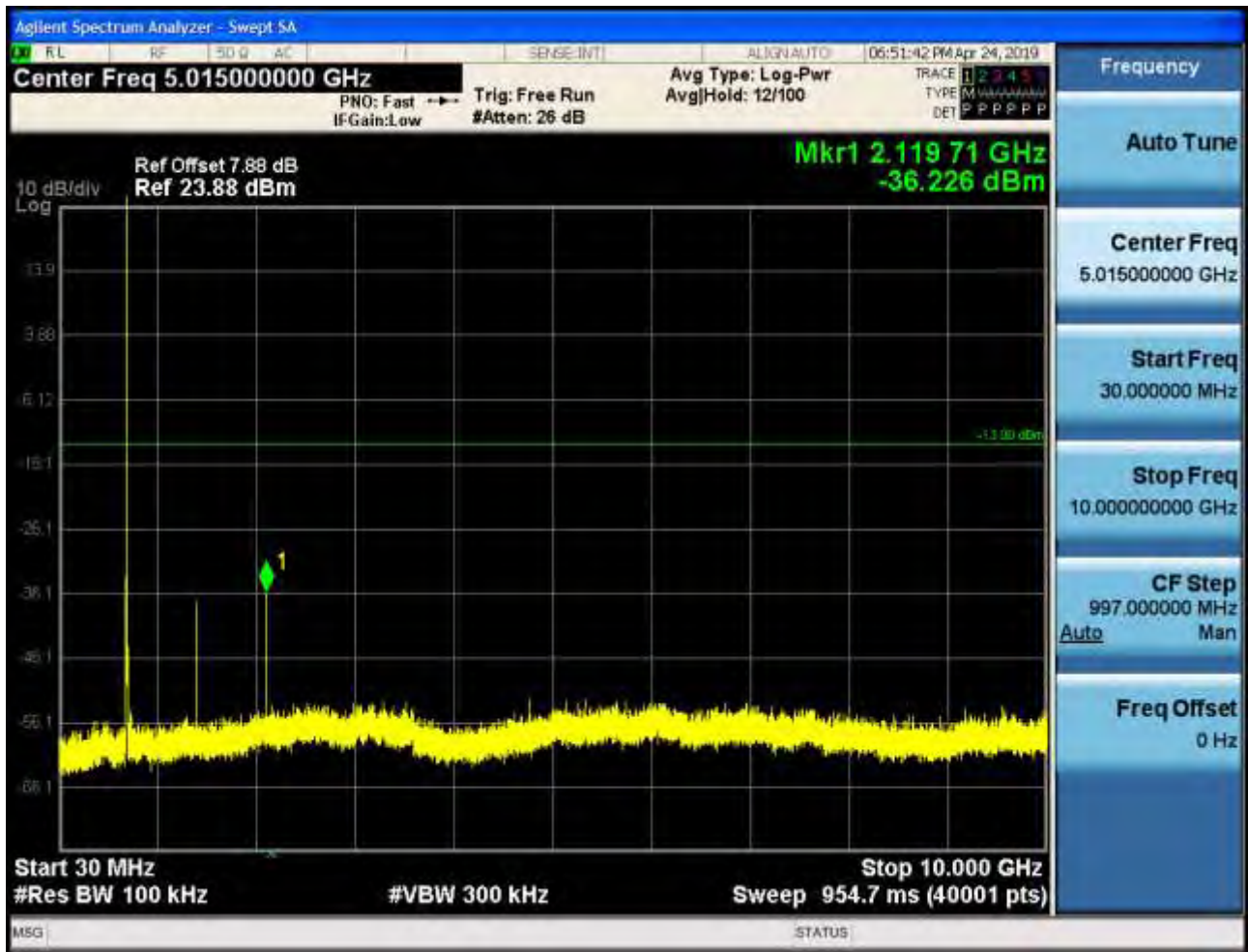


6.2.1.2.4.3 Test Channel = HCH

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

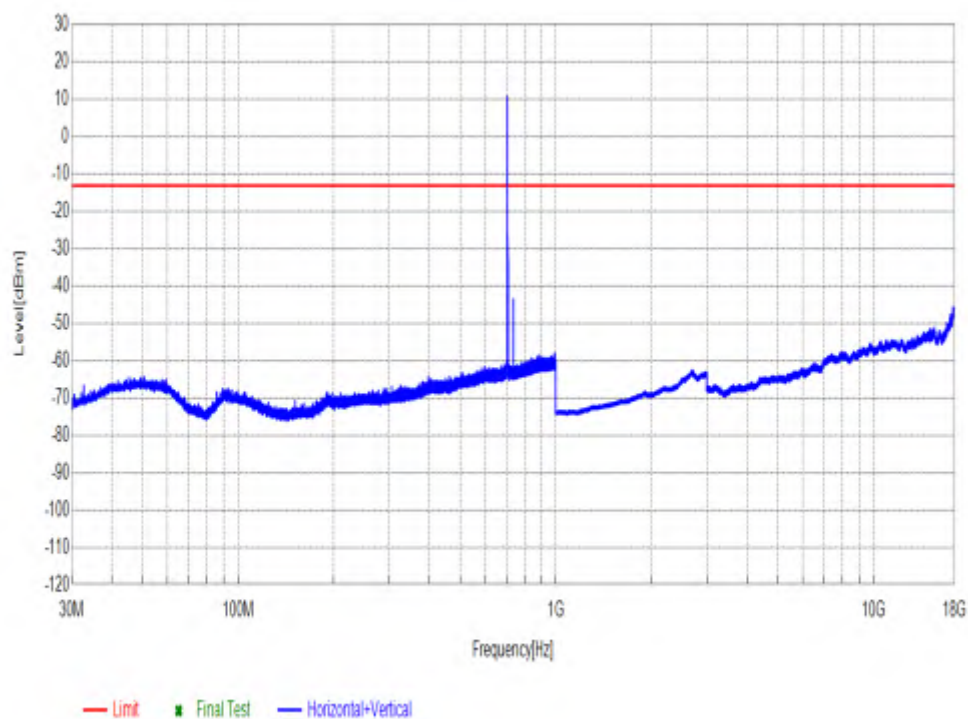
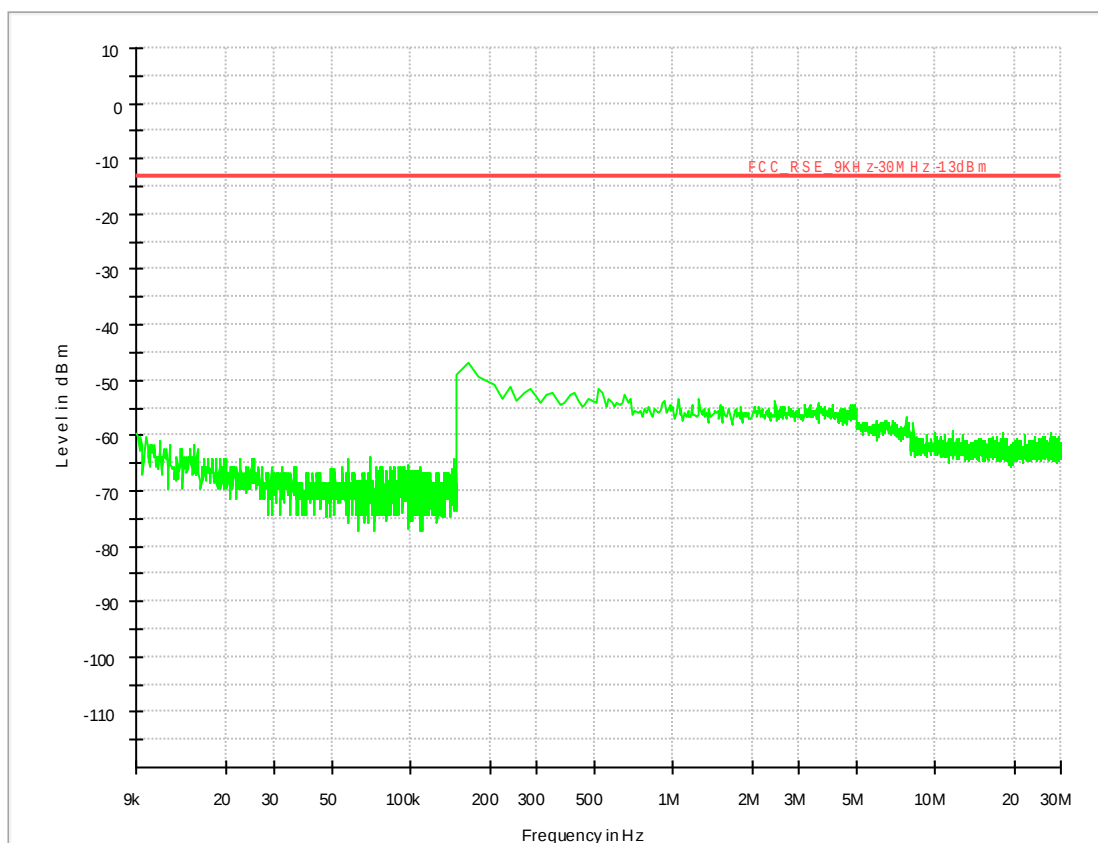
Part I - Test Plots

7.1 For LTE

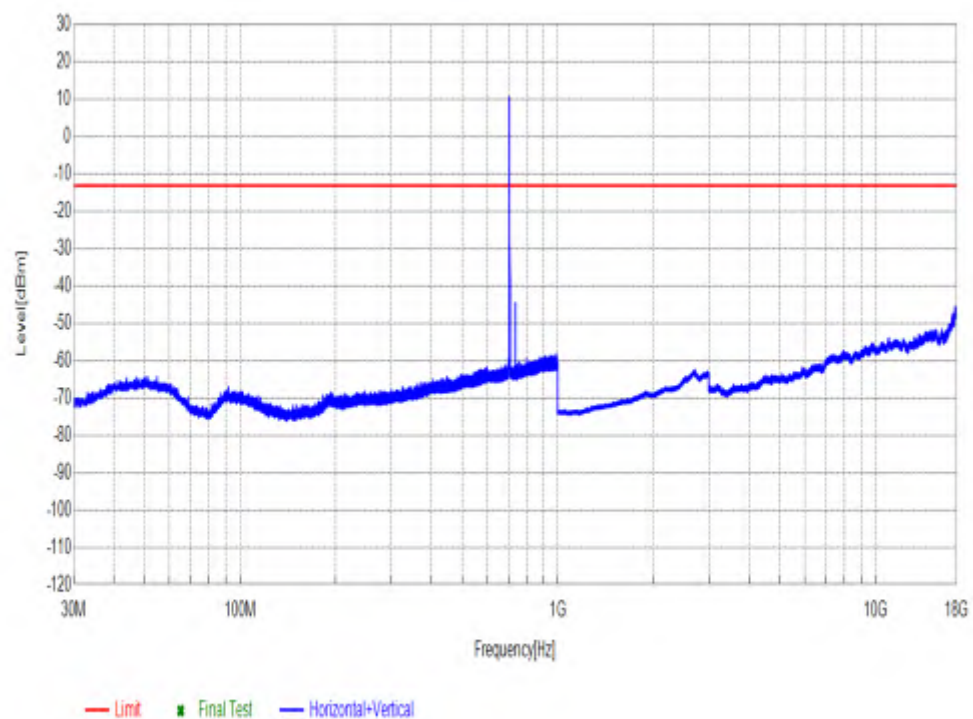
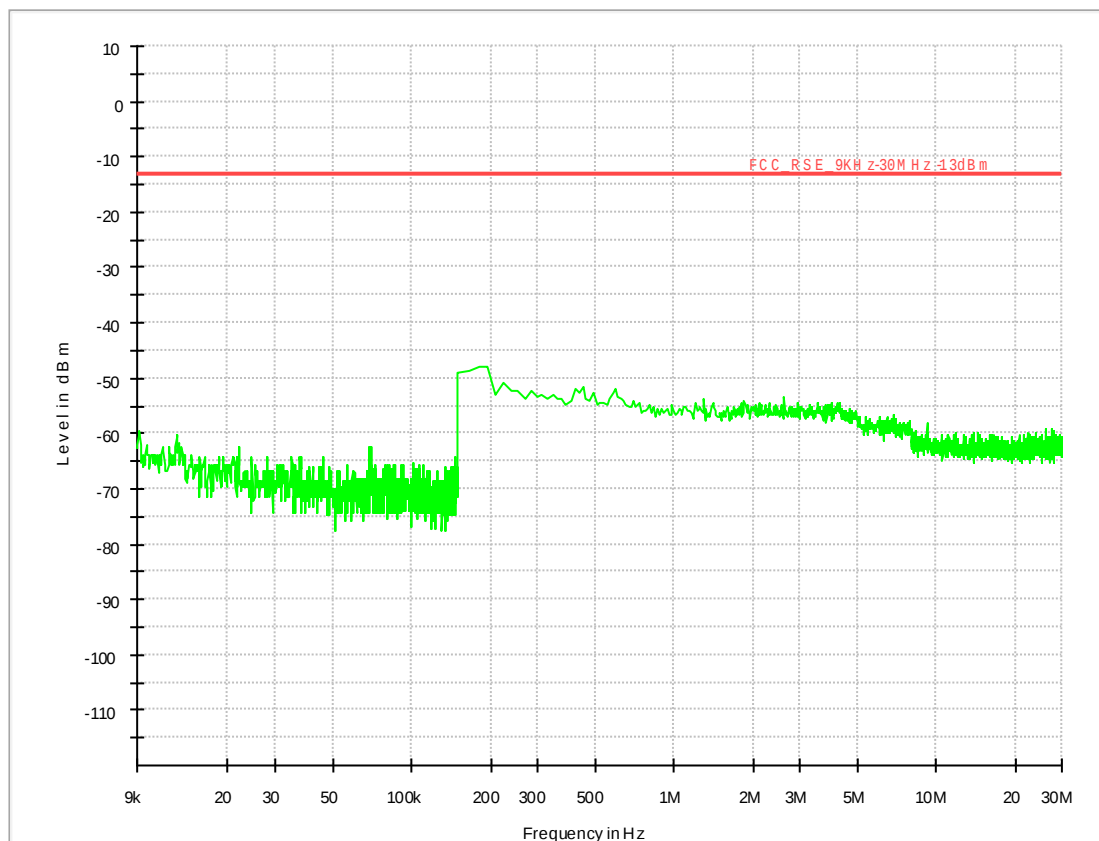
7.1.1 Test Band = Band12

7.1.1.1 Test Bandwidth = 1.4

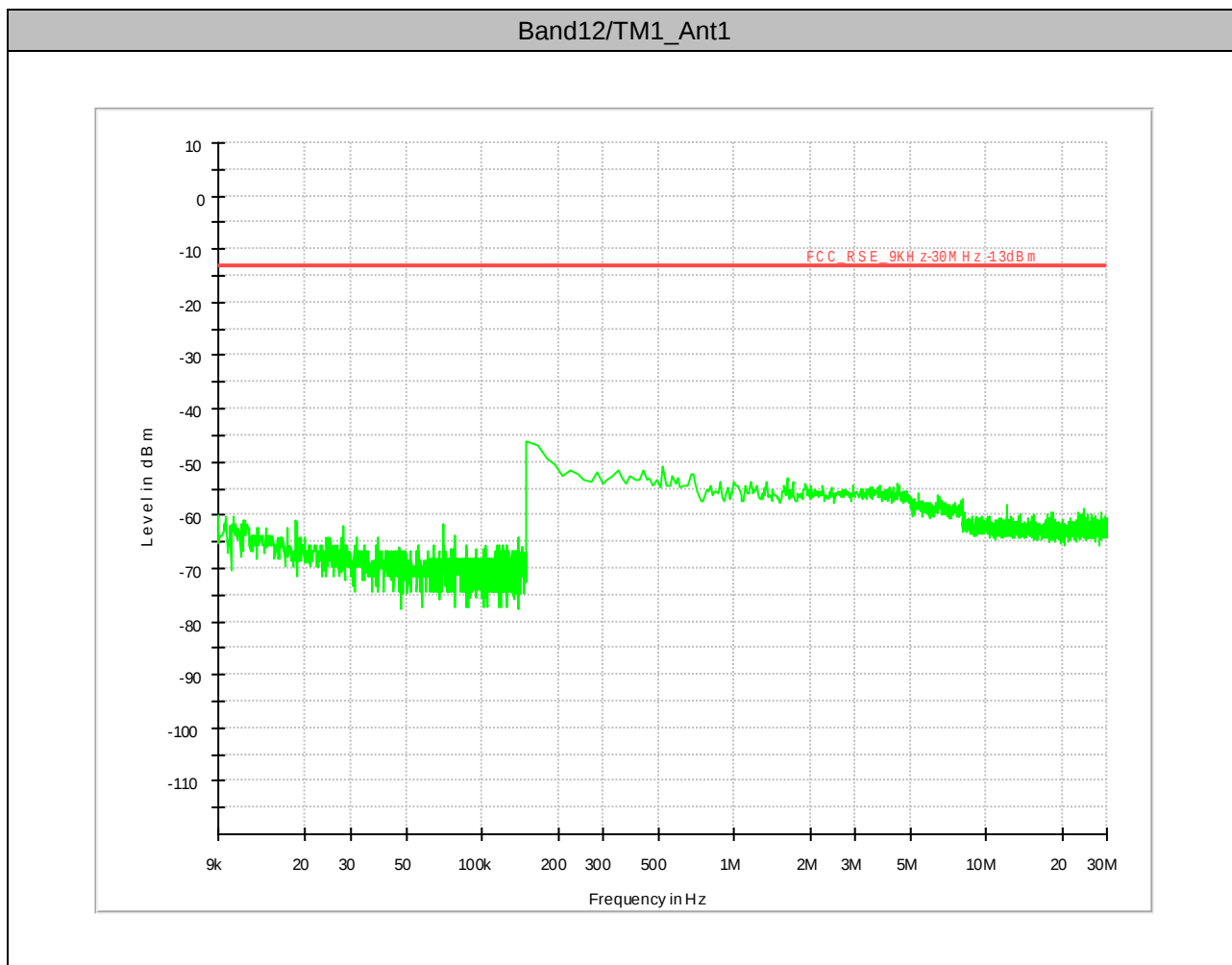
Band12/TM1_Ant1

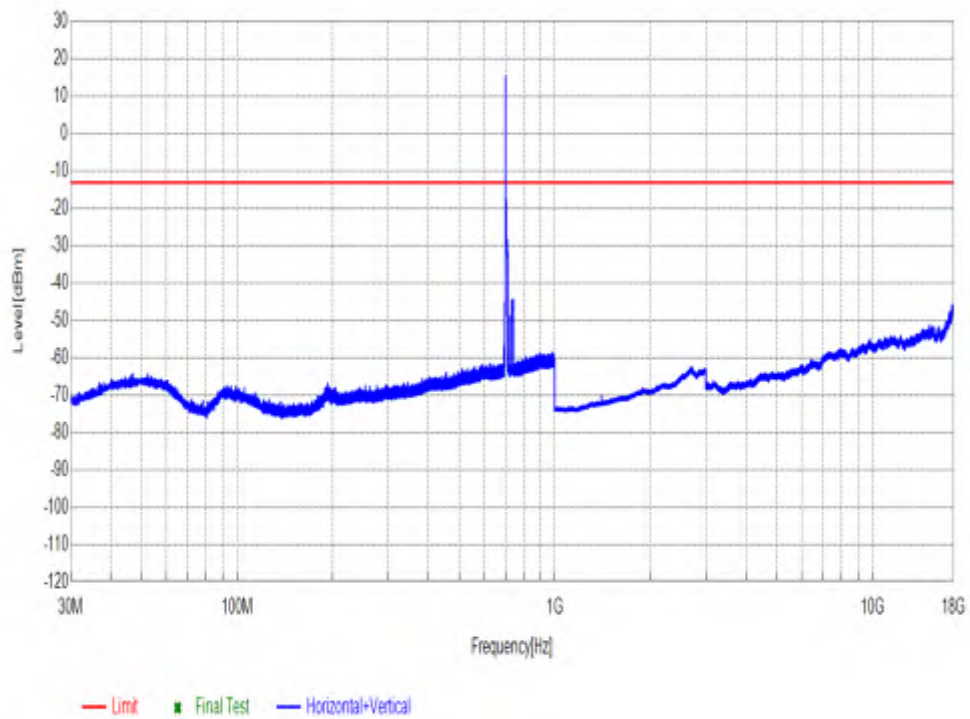


Band12/TM1_Ant2

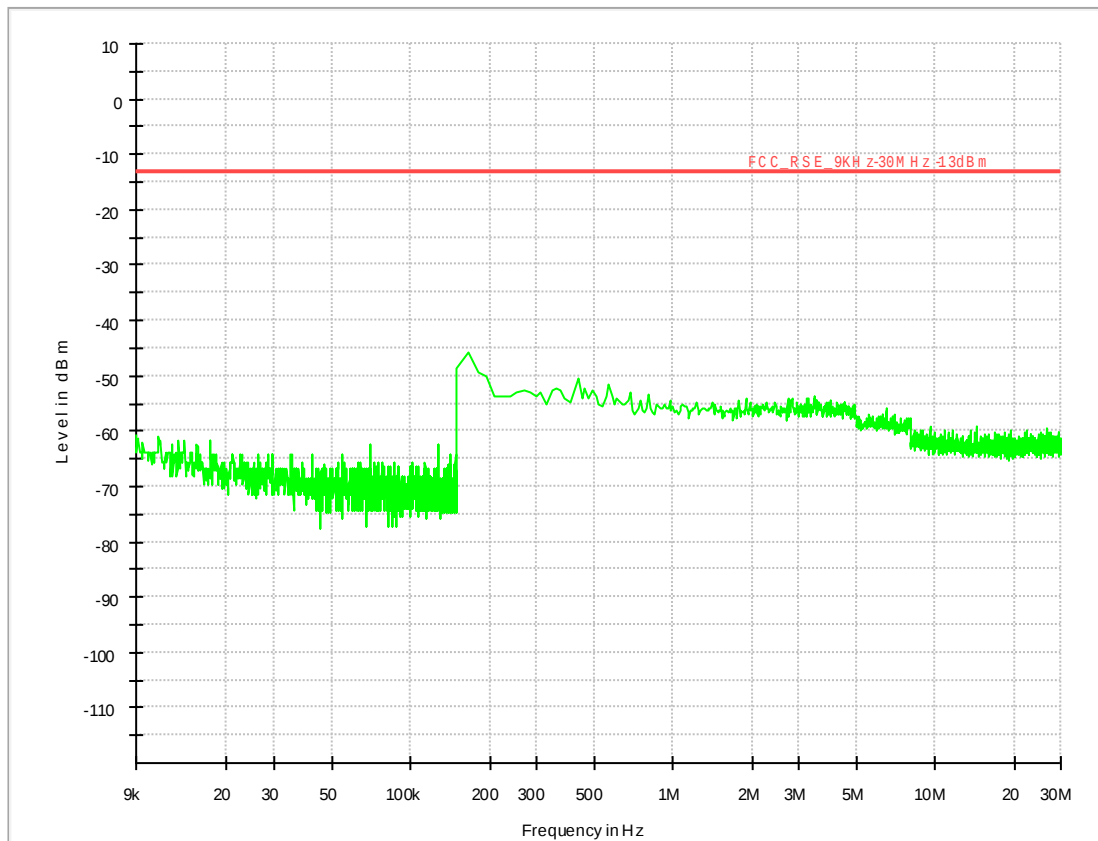


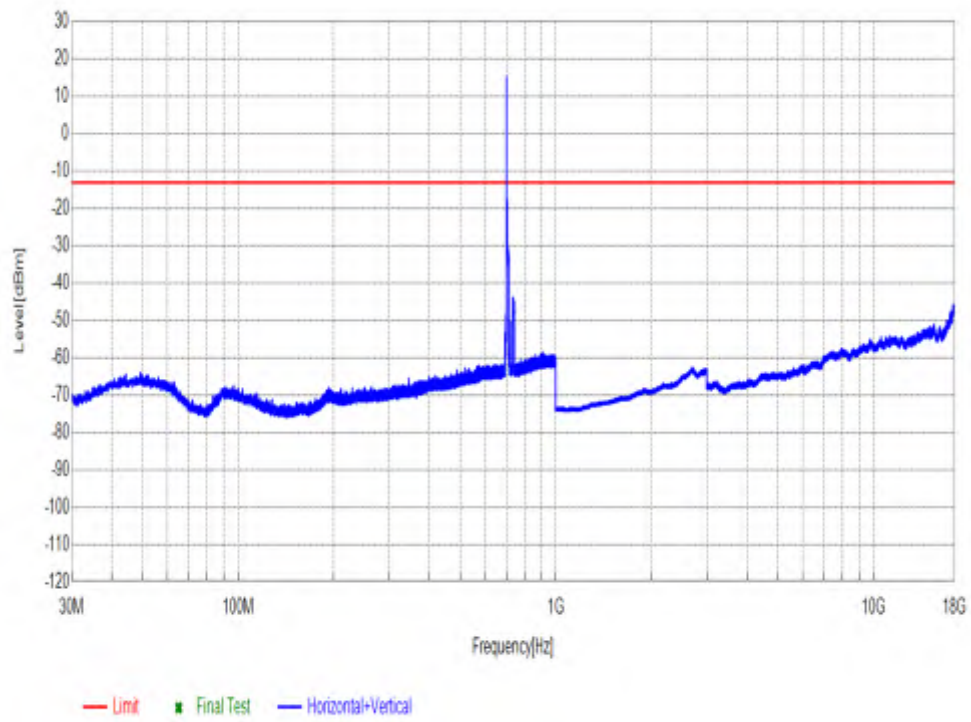
7.1.1.2 Test Bandwidth = 10





Band12/TM1_Ant2





8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band12	LTE/TM1	1.4	LCH	TN	VL	-7.12395	-0.01018	PASS
					VN	-9.92775	-0.01419	PASS
					VH	6.58035	0.00940	PASS
			MCH	TN	VL	8.92639	0.01262	PASS
					VN	7.79629	0.01102	PASS
					VH	-5.37872	-0.00760	PASS
			HCH	TN	VL	-9.25541	-0.01294	PASS
					VN	-21.28601	-0.02976	PASS
					VH	8.89778	0.01244	PASS
		3	LCH	TN	VL	-8.99792	-0.01284	PASS
					VN	0.55790	0.00080	PASS
					VH	-6.78062	-0.00968	PASS
			MCH	TN	VL	-0.07153	-0.00010	PASS
					VN	-6.82354	-0.00964	PASS
					VH	-2.07424	-0.00293	PASS
			HCH	TN	VL	-7.08103	-0.00991	PASS
					VN	2.05994	0.00288	PASS
					VH	-3.44753	-0.00483	PASS
		5	LCH	TN	VL	2.50339	0.00357	PASS
					VN	-5.09262	-0.00726	PASS
					VH	-5.67913	-0.00810	PASS
			MCH	TN	VL	-2.14577	-0.00303	PASS
					VN	-0.51498	-0.00073	PASS
					VH	0.90122	0.00127	PASS
			HCH	TN	VL	-0.87261	-0.00122	PASS
					VN	1.15871	0.00162	PASS
					VH	7.39574	0.01037	PASS
		10	LCH	TN	VL	-8.45432	-0.01201	PASS
					VN	-12.67433	-0.01800	PASS
					VH	-6.15120	-0.00874	PASS
			MCH	TN	VL	-29.26826	-0.04137	PASS
					VN	-16.62254	-0.02349	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2		HCH	TN	VH	-116.07170	-0.16406	PASS
					VL	-18.76831	-0.02640	PASS
					VN	-19.24038	-0.02706	PASS
					VH	-19.32621	-0.02718	PASS
		1.4	LCH	TN	VL	9.69887	0.01386	PASS
					VN	8.29697	0.01186	PASS
					VH	12.86030	0.01838	PASS
			MCH	TN	VL	5.24998	0.00742	PASS
					VN	0.31471	0.00044	PASS
					VH	11.00063	0.01555	PASS
			HCH	TN	VL	-9.24110	-0.01292	PASS
					VN	4.23431	0.00592	PASS
					VH	-1.21593	-0.00170	PASS
		3	LCH	TN	VL	5.95093	0.00850	PASS
					VN	-3.79086	-0.00541	PASS
					VH	-0.95844	-0.00137	PASS
			MCH	TN	VL	1.04427	0.00148	PASS
					VN	-0.04292	-0.00006	PASS
					VH	-6.39439	-0.00904	PASS
			HCH	TN	VL	1.75953	0.00246	PASS
					VN	-0.81539	-0.00114	PASS
					VH	-2.08855	-0.00292	PASS
		5	LCH	TN	VL	-4.54903	-0.00648	PASS
					VN	-3.99113	-0.00569	PASS
					VH	-1.04427	-0.00149	PASS
			MCH	TN	VL	1.43051	0.00202	PASS
					VN	-2.84672	-0.00402	PASS
					VH	-0.55790	-0.00079	PASS
			HCH	TN	VL	2.04563	0.00287	PASS
					VN	5.62191	0.00788	PASS
					VH	-1.17302	-0.00164	PASS
		10	LCH	TN	VL	-2.21729	-0.00315	PASS
					VN	2.05994	0.00293	PASS
					VH	-1.60217	-0.00228	PASS
			MCH	TN	VL	-2.78950	-0.00394	PASS
					VN	-23.43178	-0.03312	PASS
					VH	-3.54767	-0.00501	PASS
			HCH	TN	VL	-22.73083	-0.03197	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-15.43522	-0.02171	PASS
					VH	-21.54350	-0.03030	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
Band12	LTE/TM1	1.4	LCH	VN	-30	3.23296	0.00462	PASS
					-20	1.41621	0.00202	PASS
					-10	8.06808	0.01153	PASS
					0	-13.66138	-0.01952	PASS
					10	9.77039	0.01396	PASS
					20	-9.92775	-0.01419	PASS
					30	7.09534	0.01014	PASS
					40	-7.69615	-0.01100	PASS
					50	-5.59330	-0.00799	PASS
			MCH	VN	-30	8.09670	0.01144	PASS
					-20	0.18597	0.00026	PASS
					-10	4.39167	0.00621	PASS
					0	-1.35899	-0.00192	PASS
					10	10.41412	0.01472	PASS
					20	7.79629	0.01102	PASS
					30	3.43323	0.00485	PASS
					40	5.96523	0.00843	PASS
					50	-14.50539	-0.02050	PASS
			HCH	VN	-30	-1.43051	-0.00200	PASS
					-20	-1.10149	-0.00154	PASS
					-10	3.69072	0.00516	PASS
					0	5.07832	0.00710	PASS
					10	-1.74522	-0.00244	PASS
					20	-21.28601	-0.02976	PASS
					30	0.90122	0.00126	PASS
					40	-5.50747	-0.00770	PASS
					50	-0.48637	-0.00068	PASS
		3	LCH	VN	-30	7.08103	0.01011	PASS
					-20	0.91553	0.00131	PASS
					-10	5.55039	0.00792	PASS
					0	-11.40118	-0.01628	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	6.22272	0.00888	PASS
					20	0.55790	0.00080	PASS
					30	1.23024	0.00176	PASS
					40	-5.14984	-0.00735	PASS
					50	-1.05858	-0.00151	PASS
			MCH	VN	-30	6.49452	0.00918	PASS
					-20	2.17438	0.00307	PASS
					-10	-0.48637	-0.00069	PASS
					0	-0.81539	-0.00115	PASS
					10	1.43051	0.00202	PASS
					20	-6.82354	-0.00964	PASS
					30	-6.45161	-0.00912	PASS
					40	-1.07288	-0.00152	PASS
					50	-5.90801	-0.00835	PASS
			HCH	VN	-30	2.90394	0.00406	PASS
					-20	5.19276	0.00727	PASS
					-10	1.45912	0.00204	PASS
					0	0.90122	0.00126	PASS
					10	-2.78950	-0.00390	PASS
					20	2.05994	0.00288	PASS
					30	3.00407	0.00420	PASS
					40	1.57356	0.00220	PASS
					50	-1.01566	-0.00142	PASS
		5	LCH	VN	-30	-2.21729	-0.00316	PASS
					-20	-2.23160	-0.00318	PASS
					-10	-5.75066	-0.00820	PASS
					0	1.90258	0.00271	PASS
					10	-0.58651	-0.00084	PASS
					20	-5.09262	-0.00726	PASS
					30	-0.34332	-0.00049	PASS
					40	4.74930	0.00677	PASS
					50	0.35763	0.00051	PASS
			MCH	VN	-30	-0.05722	-0.00008	PASS
					-20	0.88692	0.00125	PASS
					-10	0.61512	0.00087	PASS
					0	-0.75817	-0.00107	PASS
					10	-4.06265	-0.00574	PASS
					20	-0.51498	-0.00073	PASS
					30	-4.47750	-0.00633	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-0.97275	-0.00137	PASS
					50	-0.50068	-0.00071	PASS
			HCH	VN	-30	-5.45025	-0.00764	PASS
					-20	2.71797	0.00381	PASS
					-10	-1.98841	-0.00279	PASS
					0	-3.70503	-0.00519	PASS
					10	3.37601	0.00473	PASS
					20	1.15871	0.00162	PASS
					30	3.74794	0.00525	PASS
					40	-1.14441	-0.00160	PASS
					50	-0.04292	-0.00006	PASS
		10	LCH	VN	-30	-1.35899	-0.00193	PASS
					-20	-1.60217	-0.00228	PASS
					-10	-1.77383	-0.00252	PASS
					0	-13.97610	-0.01985	PASS
					10	-8.86917	-0.01260	PASS
					20	-12.67433	-0.01800	PASS
					30	15.33508	0.02178	PASS
					40	-9.24110	-0.01313	PASS
					50	0.42915	0.00061	PASS
			MCH	VN	-30	-17.29488	-0.02445	PASS
					-20	-5.53608	-0.00782	PASS
					-10	8.85487	0.01252	PASS
					0	-10.71453	-0.01514	PASS
					10	-11.87325	-0.01678	PASS
					20	-16.62254	-0.02349	PASS
					30	-16.35075	-0.02311	PASS
					40	-30.31254	-0.04284	PASS
					50	-44.74640	-0.06325	PASS
			HCH	VN	-30	-10.21385	-0.01437	PASS
					-20	45.57610	0.06410	PASS
					-10	-20.42770	-0.02873	PASS
					0	20.31326	0.02857	PASS
					10	11.44409	0.01610	PASS
					20	-19.24038	-0.02706	PASS
					30	4.46320	0.00628	PASS
					40	0.65804	0.00093	PASS
					50	-2.04563	-0.00288	PASS
	LTE/TM2	1.4	LCH	VN	-30	-4.36306	-0.00624	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	3.01838	0.00431	PASS
					-10	11.80172	0.01687	PASS
					0	-7.26700	-0.01039	PASS
					10	13.18932	0.01885	PASS
					20	8.29697	0.01186	PASS
					30	3.31879	0.00474	PASS
					40	5.53608	0.00791	PASS
					50	-5.26428	-0.00752	PASS
			MCH	VN	-30	-9.82761	-0.01389	PASS
					-20	-11.48701	-0.01624	PASS
					-10	-1.15871	-0.00164	PASS
					0	0.61512	0.00087	PASS
					10	1.64509	0.00233	PASS
					20	0.31471	0.00044	PASS
					30	2.84672	0.00402	PASS
					40	7.23839	0.01023	PASS
					50	18.46790	0.02610	PASS
			HCH	VN	-30	-3.93391	-0.00550	PASS
					-20	-1.25885	-0.00176	PASS
					-10	-8.72612	-0.01220	PASS
					0	8.02517	0.01122	PASS
					10	1.97411	0.00276	PASS
					20	4.23431	0.00592	PASS
					30	-5.56469	-0.00778	PASS
					40	-5.55039	-0.00776	PASS
					50	1.53065	0.00214	PASS
		3	LCH	VN	-30	-3.56197	-0.00508	PASS
					-20	-1.78814	-0.00255	PASS
					-10	-1.08719	-0.00155	PASS
					0	7.88212	0.01125	PASS
					10	-3.54767	-0.00506	PASS
					20	-3.79086	-0.00541	PASS
					30	0.31471	0.00045	PASS
					40	-3.26157	-0.00466	PASS
					50	0.75817	0.00108	PASS
			MCH	VN	-30	5.42164	0.00766	PASS
					-20	-3.93391	-0.00556	PASS
					-10	-1.00136	-0.00142	PASS
					0	1.48773	0.00210	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	2.91824	0.00412	PASS
					20	-0.04292	-0.00006	PASS
					30	4.09126	0.00578	PASS
					40	-3.89099	-0.00550	PASS
					50	0.05722	0.00008	PASS
			HCH	VN	-30	-2.70367	-0.00378	PASS
					-20	2.60353	0.00364	PASS
					-10	-0.60081	-0.00084	PASS
					0	1.38760	0.00194	PASS
					10	1.01566	0.00142	PASS
					20	-0.81539	-0.00114	PASS
					30	2.77519	0.00388	PASS
					40	3.06129	0.00428	PASS
					50	0.14305	0.00020	PASS
		5	LCH	VN	-30	-1.97411	-0.00281	PASS
					-20	-5.40733	-0.00771	PASS
					-10	-2.54631	-0.00363	PASS
					0	-1.80244	-0.00257	PASS
					10	3.74794	0.00534	PASS
					20	-3.99113	-0.00569	PASS
					30	-4.07696	-0.00581	PASS
					40	-1.34468	-0.00192	PASS
					50	-4.47750	-0.00638	PASS
			MCH	VN	-30	-0.35763	-0.00051	PASS
					-20	-2.10285	-0.00297	PASS
					-10	-1.25885	-0.00178	PASS
					0	-0.10014	-0.00014	PASS
					10	-1.80244	-0.00255	PASS
					20	-2.84672	-0.00402	PASS
					30	-1.50204	-0.00212	PASS
					40	-3.84808	-0.00544	PASS
					50	-6.78062	-0.00958	PASS
			HCH	VN	-30	-0.80109	-0.00112	PASS
					-20	-0.54359	-0.00076	PASS
					-10	-3.83377	-0.00537	PASS
					0	-1.33038	-0.00186	PASS
					10	0.18597	0.00026	PASS
					20	5.62191	0.00788	PASS
					30	0.90122	0.00126	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10			40	-0.87261	-0.00122	PASS
					50	3.66211	0.00513	PASS
			LCH	VN	-30	2.47478	0.00352	PASS
					-20	4.00543	0.00569	PASS
					-10	-5.65052	-0.00803	PASS
					0	3.50475	0.00498	PASS
					10	-3.44753	-0.00490	PASS
					20	2.05994	0.00293	PASS
					30	3.56197	0.00506	PASS
					40	-2.26021	-0.00321	PASS
					50	2.07424	0.00295	PASS
			MCH	VN	-30	-0.62943	-0.00089	PASS
					-20	5.62191	0.00795	PASS
					-10	-20.08438	-0.02839	PASS
					0	-7.96795	-0.01126	PASS
					10	4.86374	0.00687	PASS
					20	-23.43178	-0.03312	PASS
					30	1.85966	0.00263	PASS
					40	-9.16958	-0.01296	PASS
					50	-40.86971	-0.05777	PASS
			HCH	VN	-30	-30.84183	-0.04338	PASS
					-20	-4.16279	-0.00585	PASS
					-10	11.68728	0.01644	PASS
					0	-19.59801	-0.02756	PASS
					10	-3.57628	-0.00503	PASS
					20	-15.43522	-0.02171	PASS
					30	-23.74649	-0.03340	PASS
					40	-0.40054	-0.00056	PASS
					50	23.84663	0.03354	PASS

END