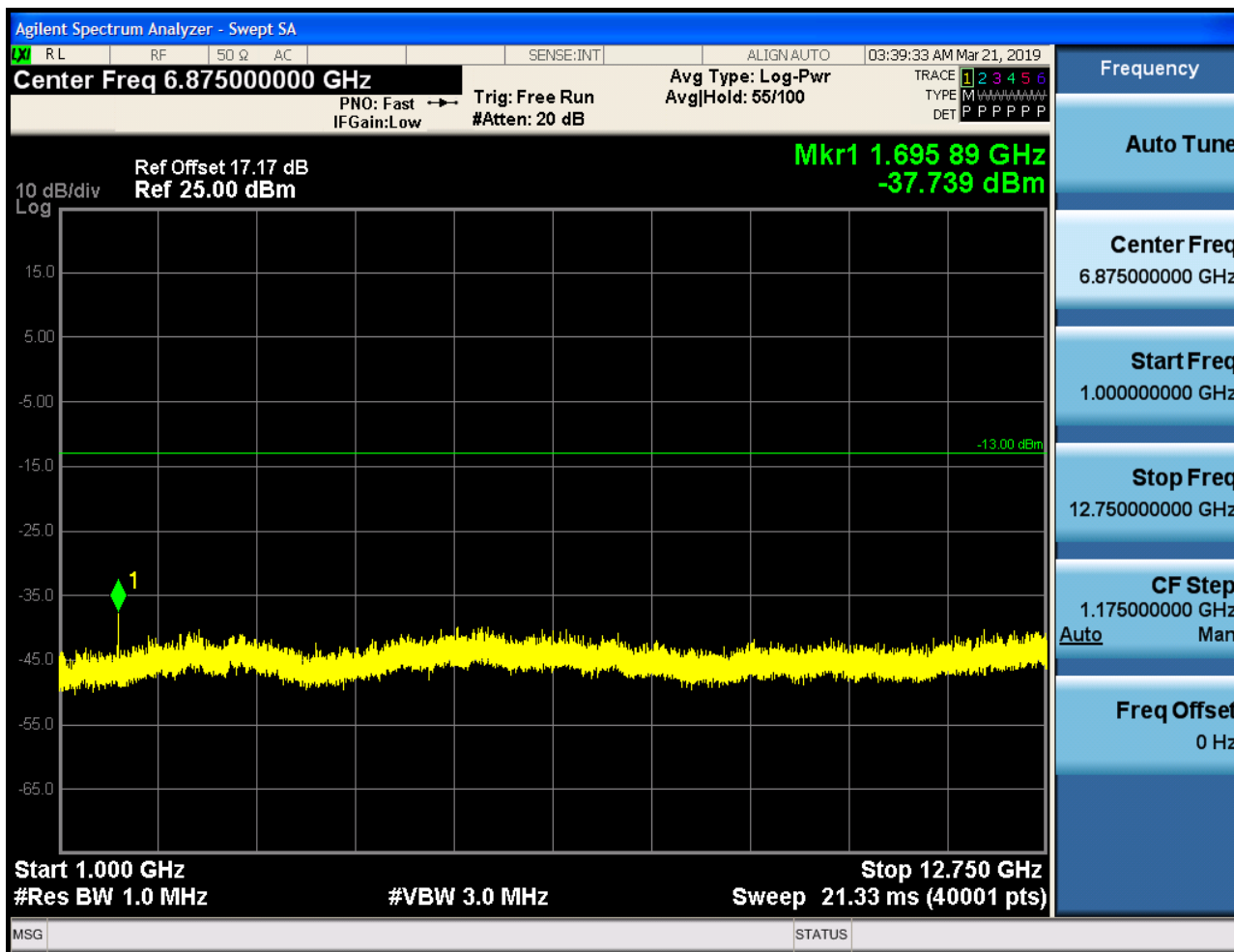
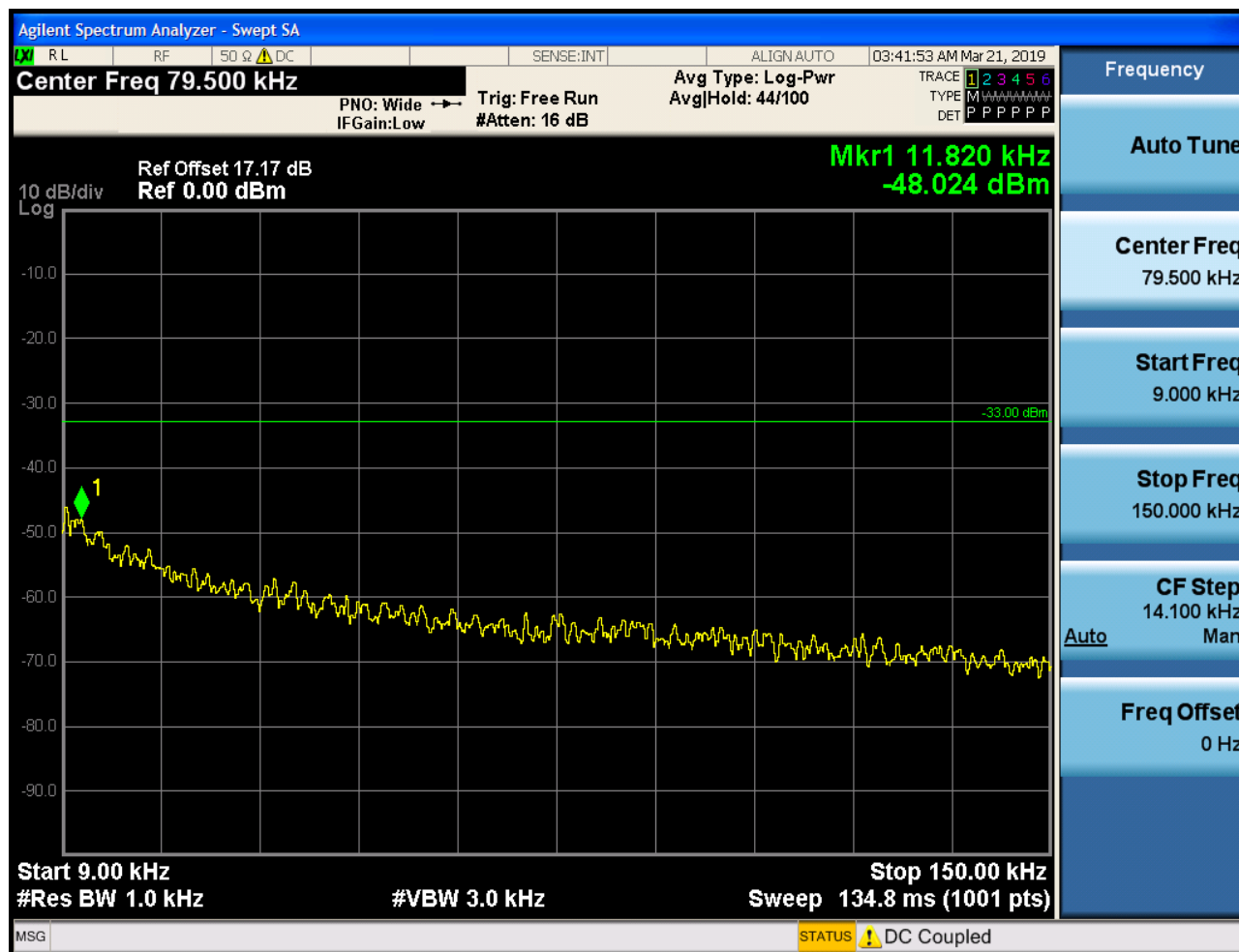


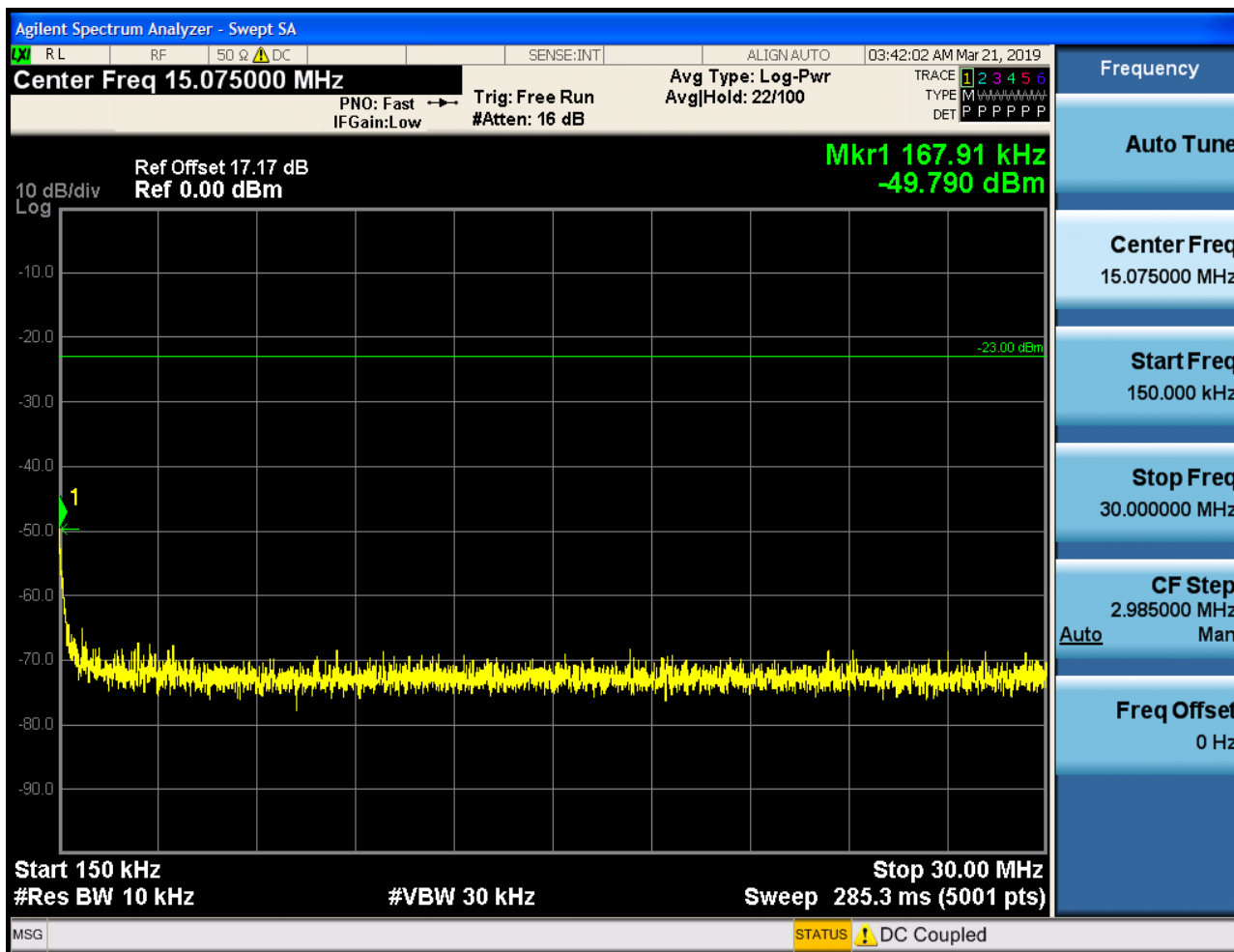


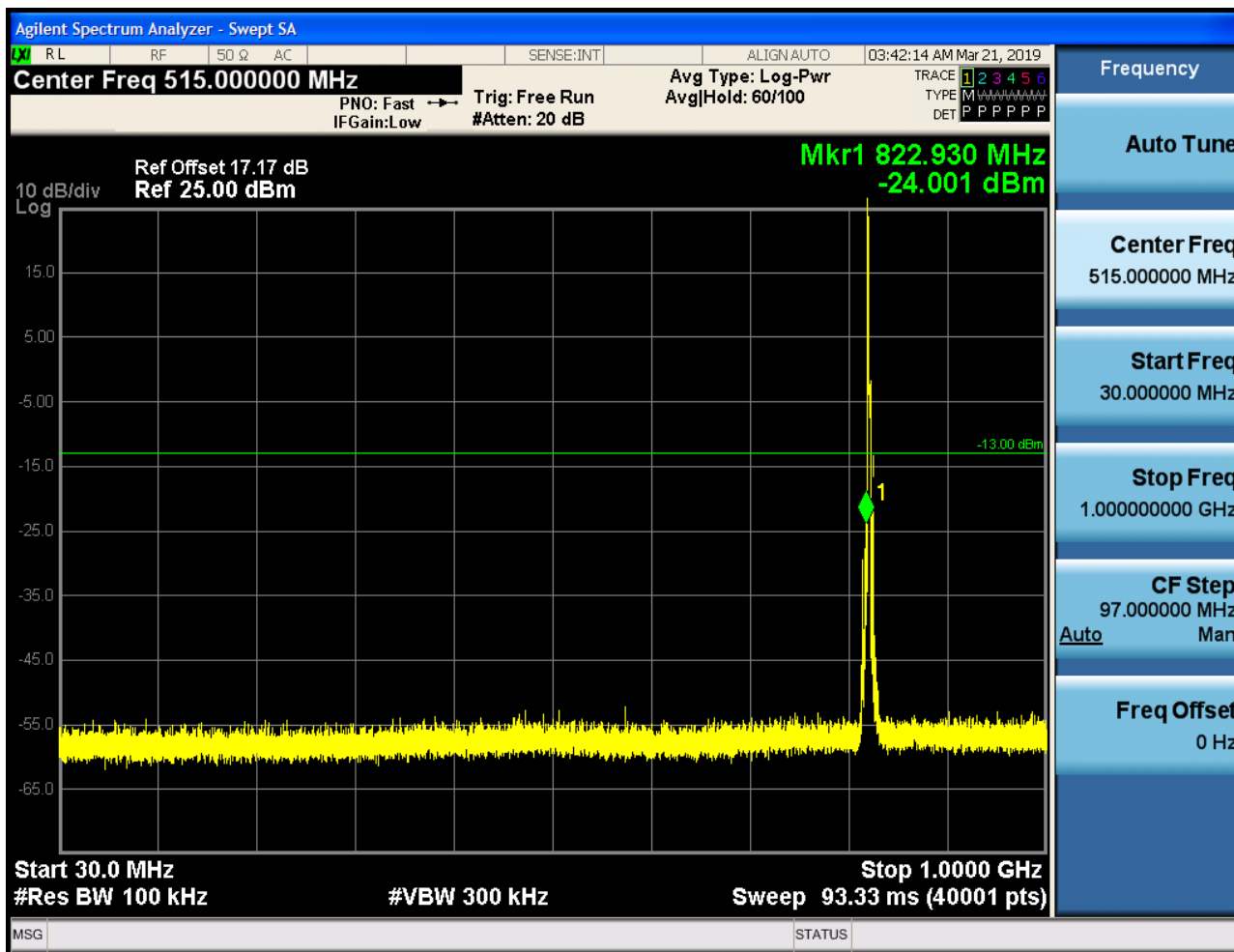
6.2.1.1.2 Test Bandwidth = 3

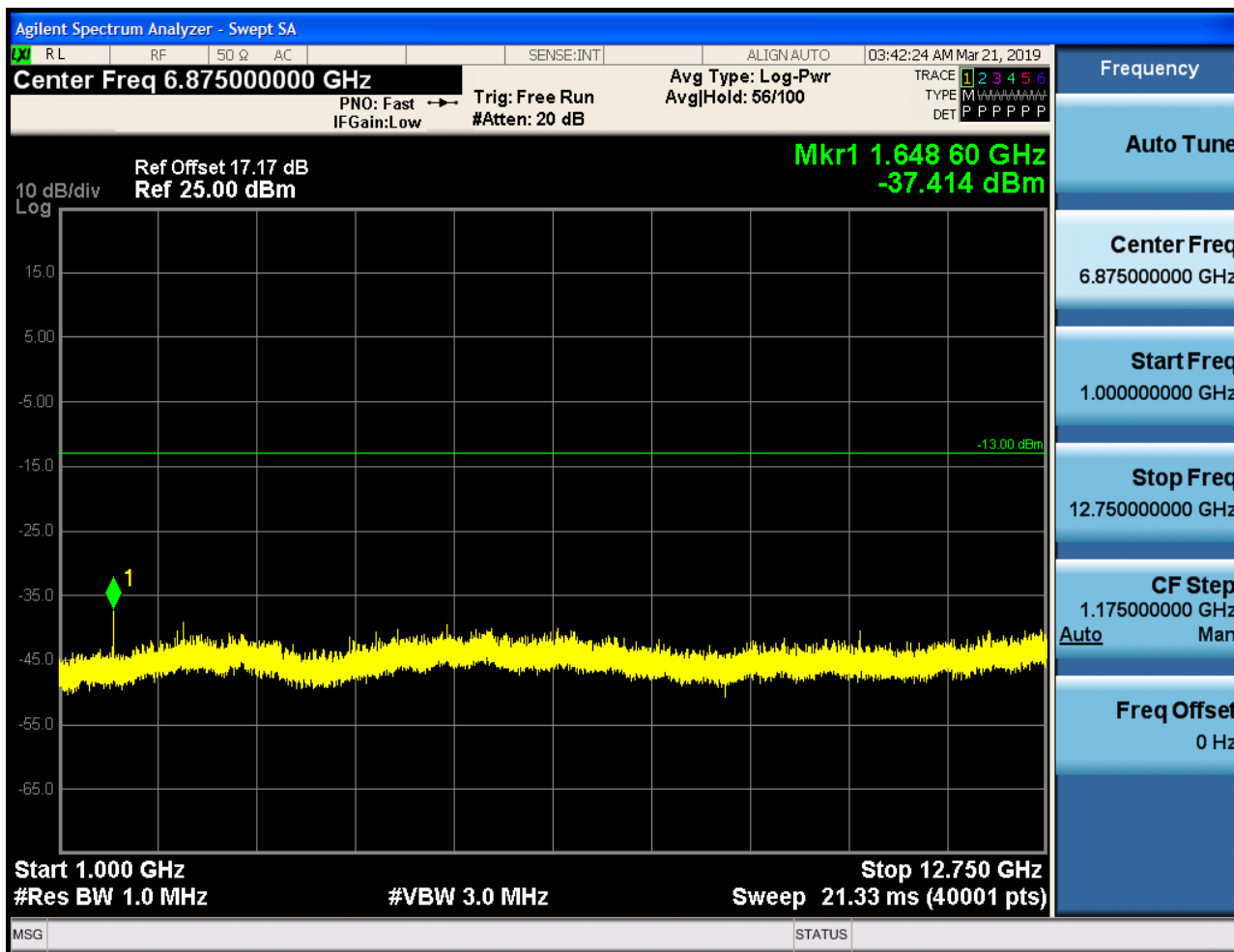
6.2.1.1.2.1 Test Channel = LCH

6.2.1.1.2.1.1 Test RB = RB1#0





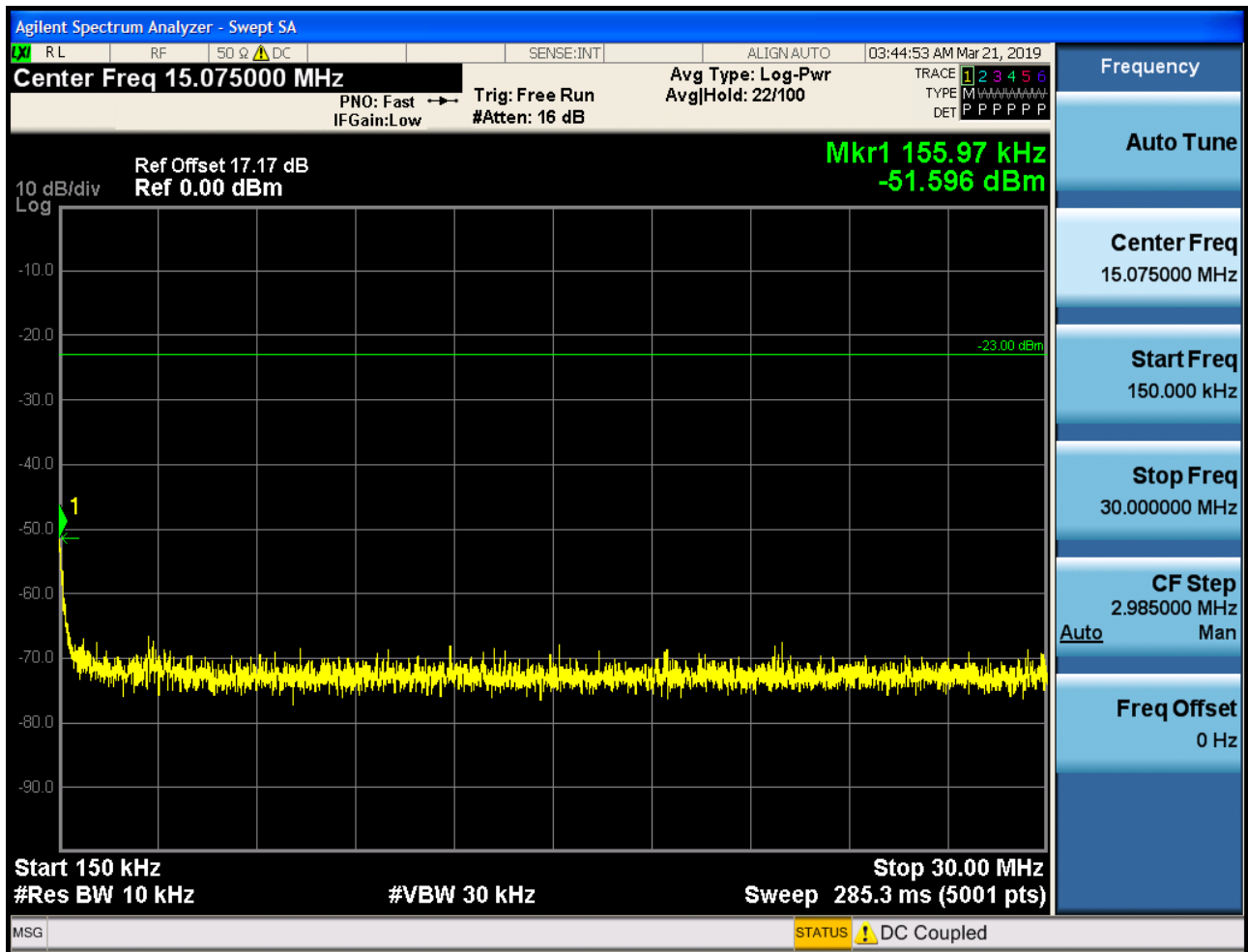


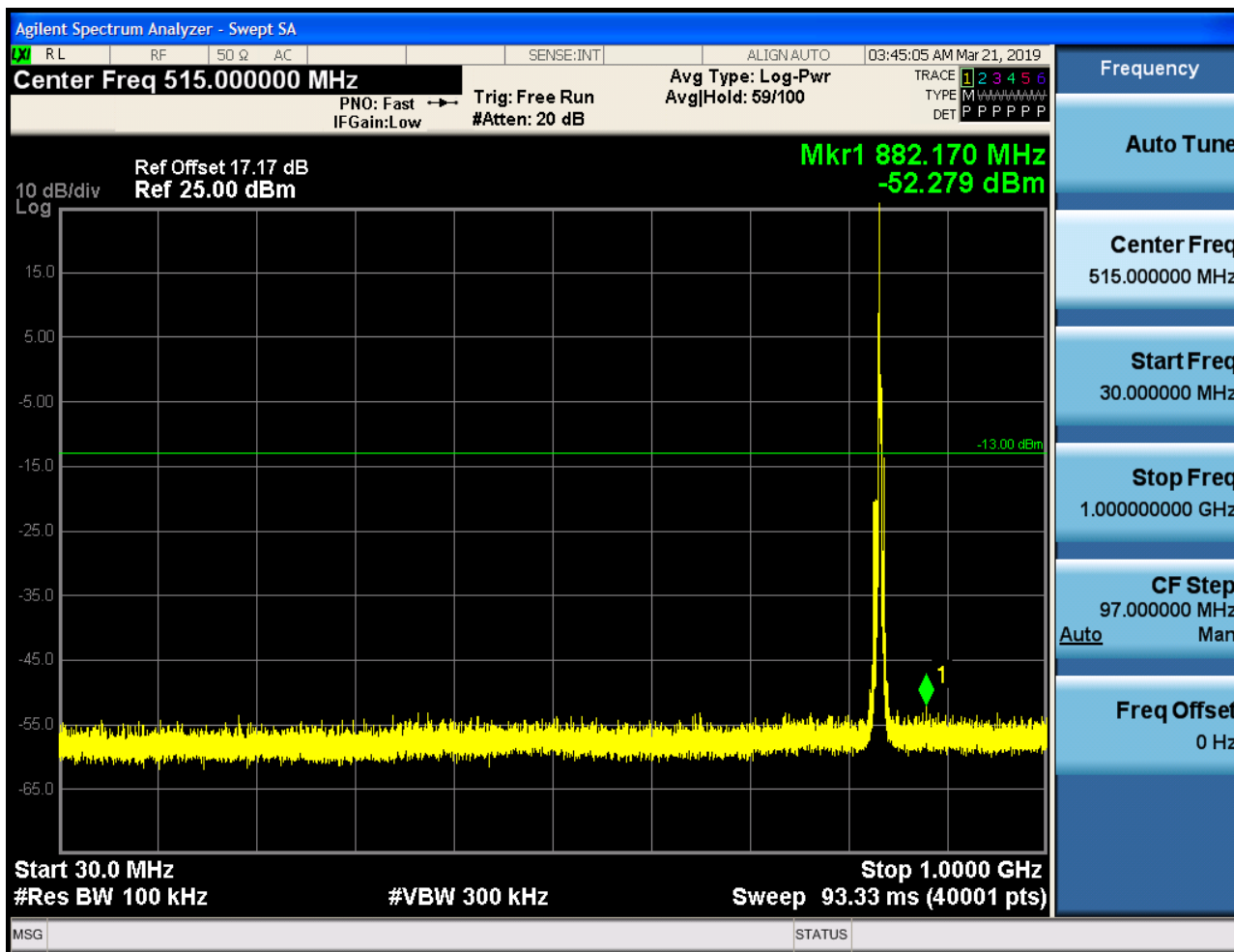


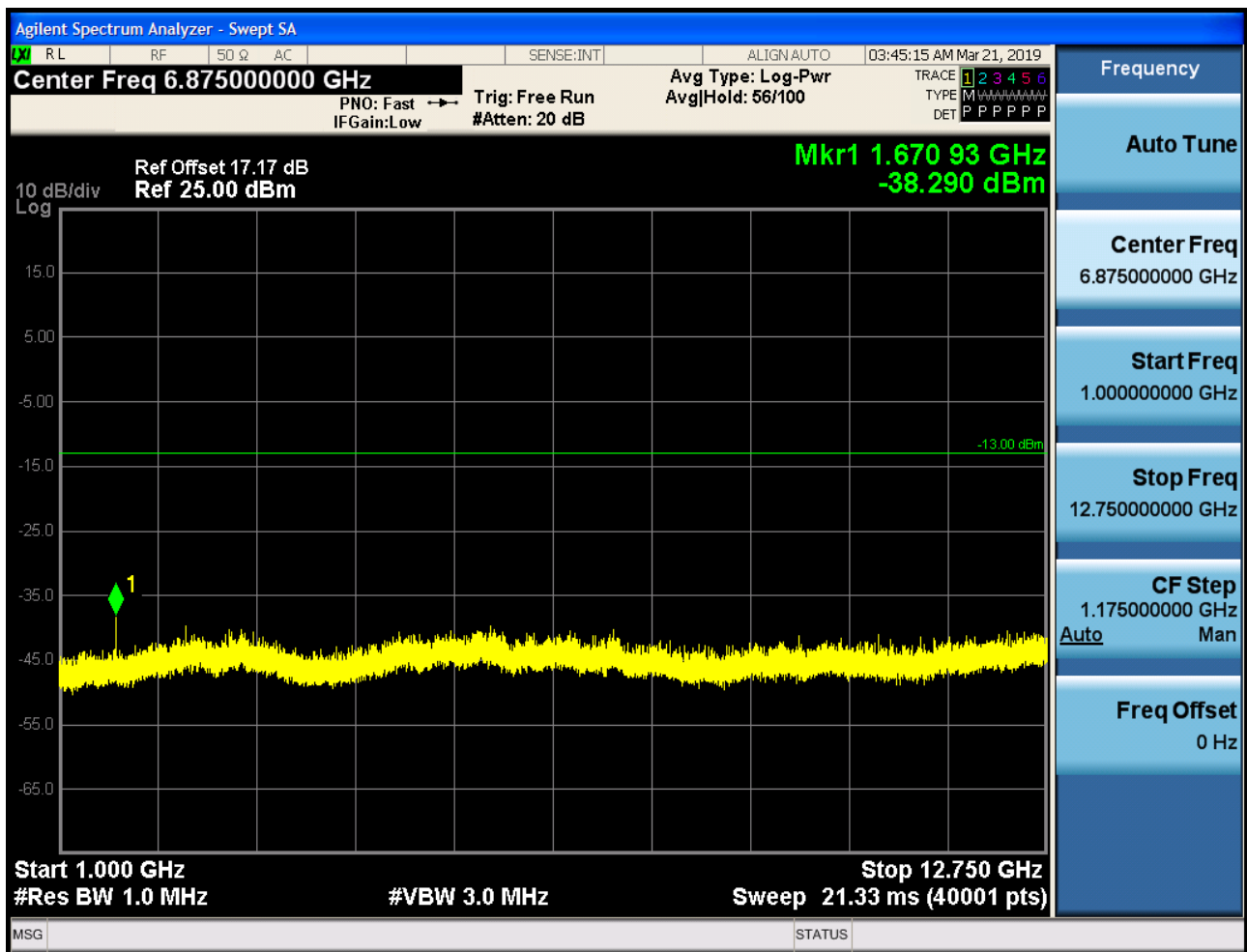
6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0



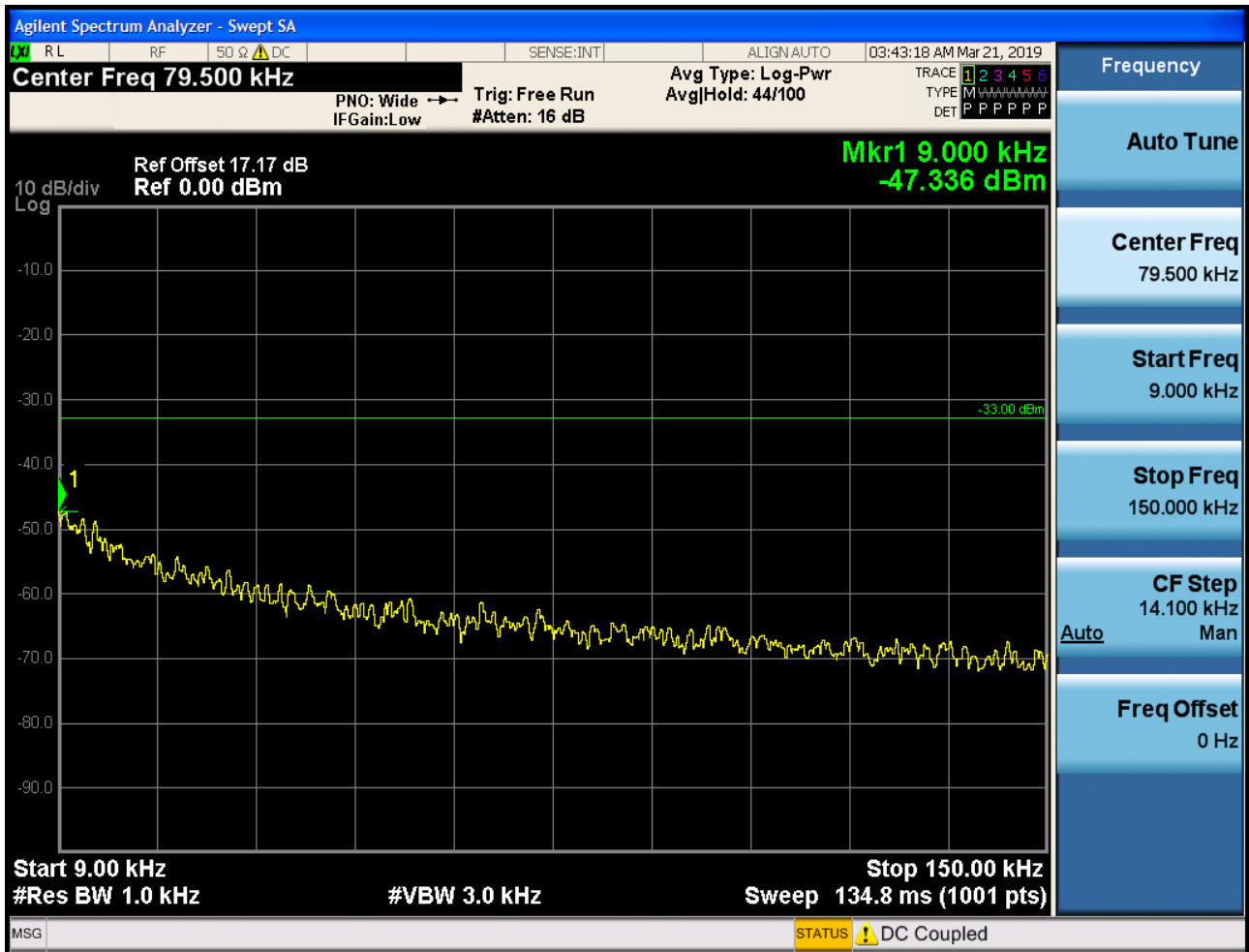


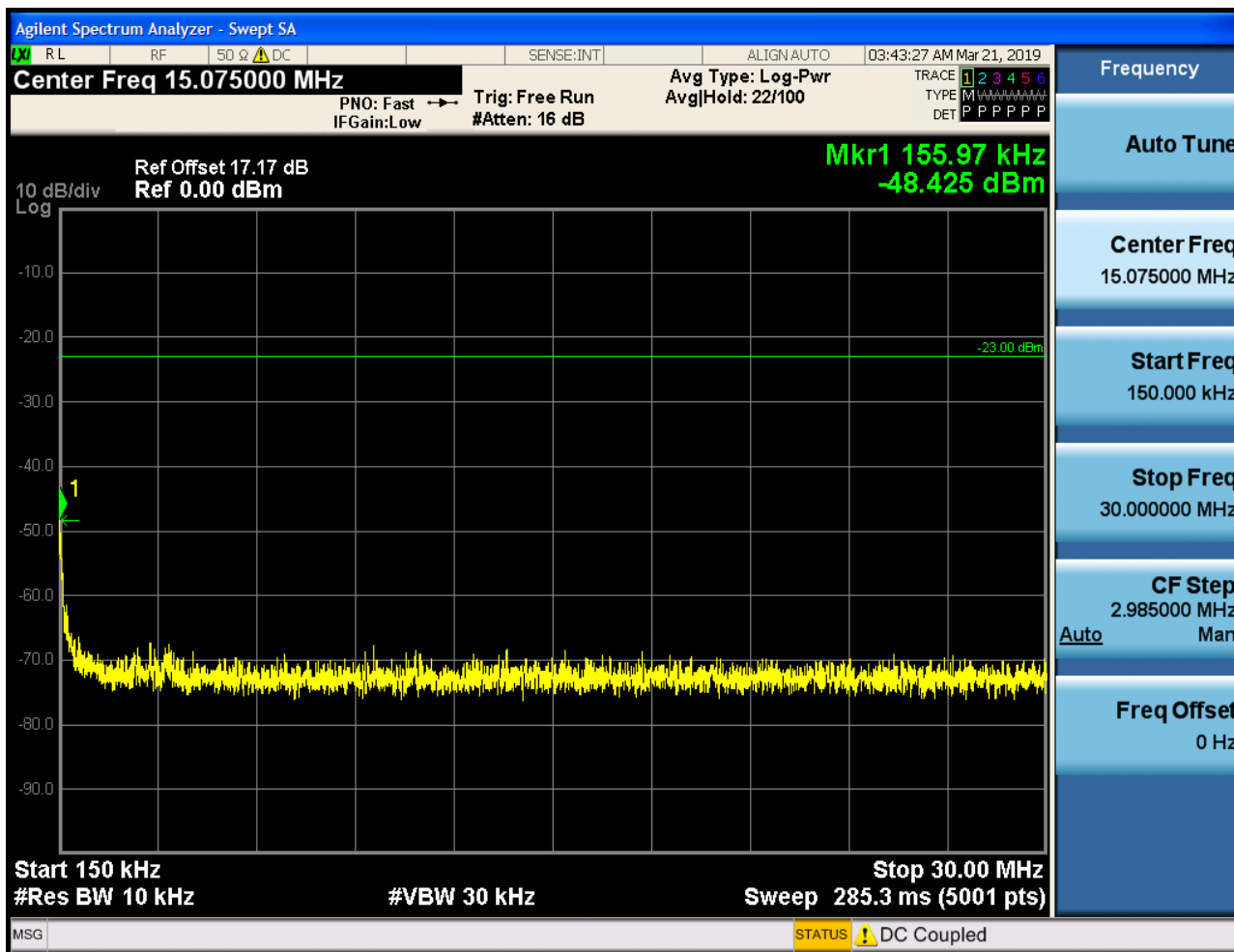


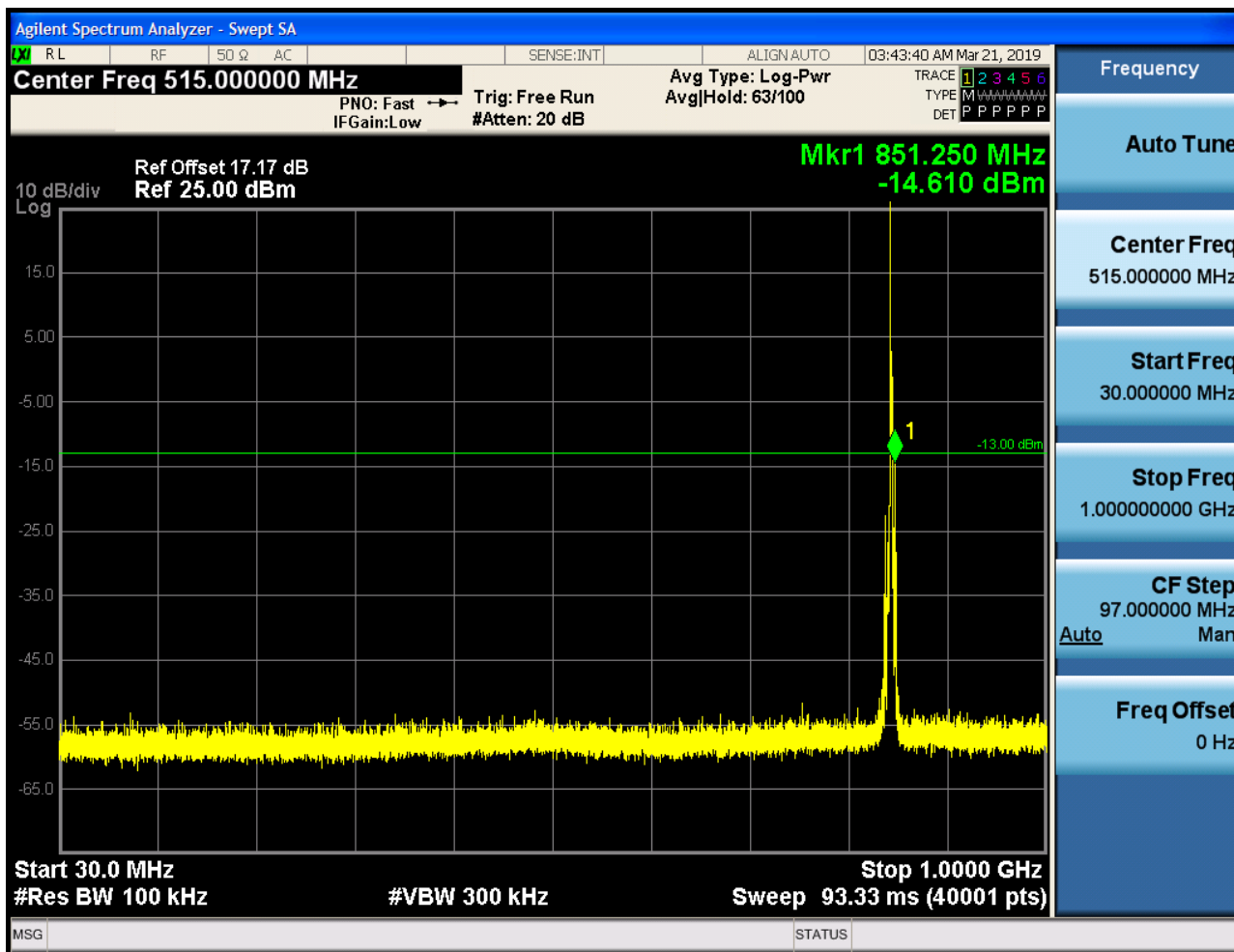


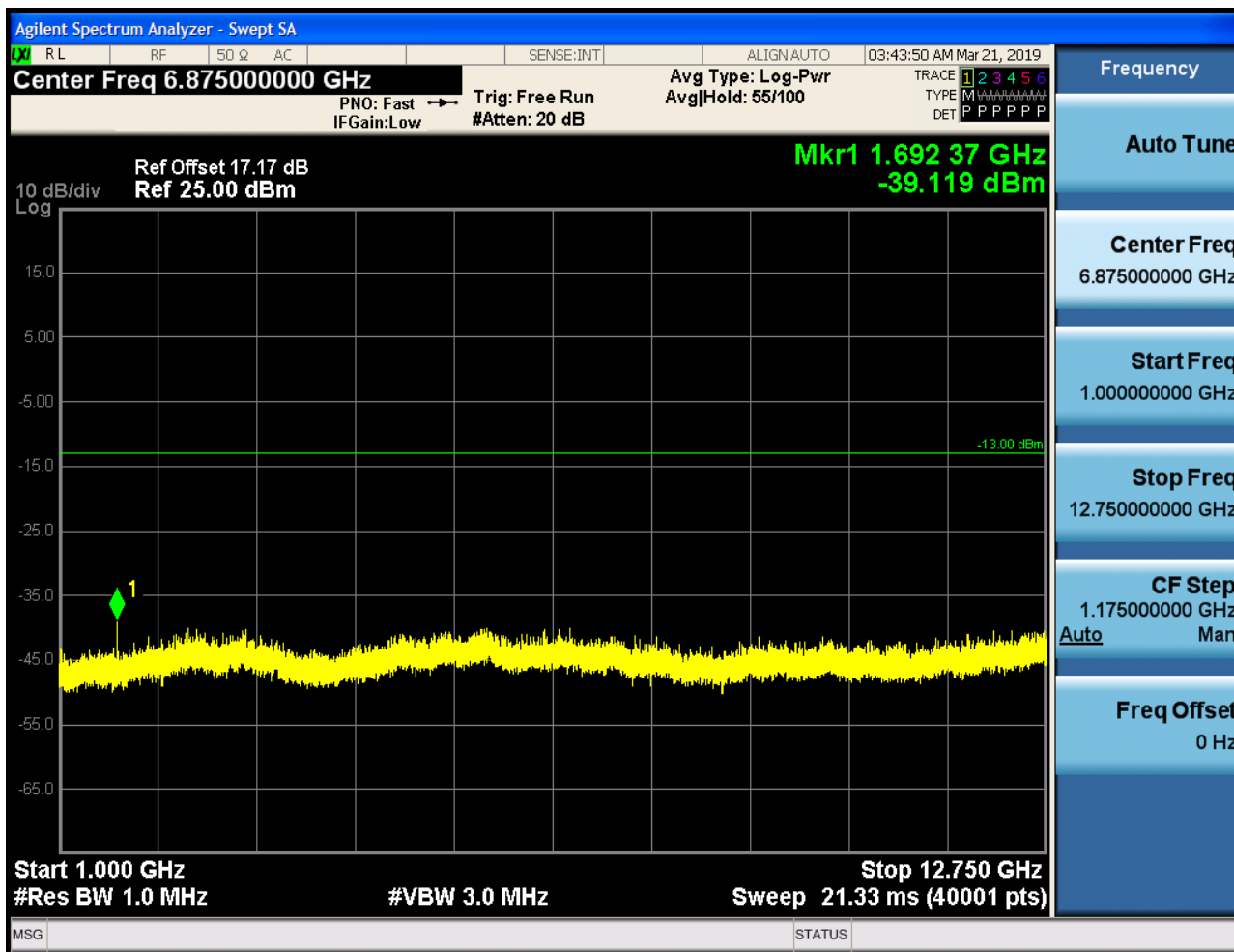
6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0





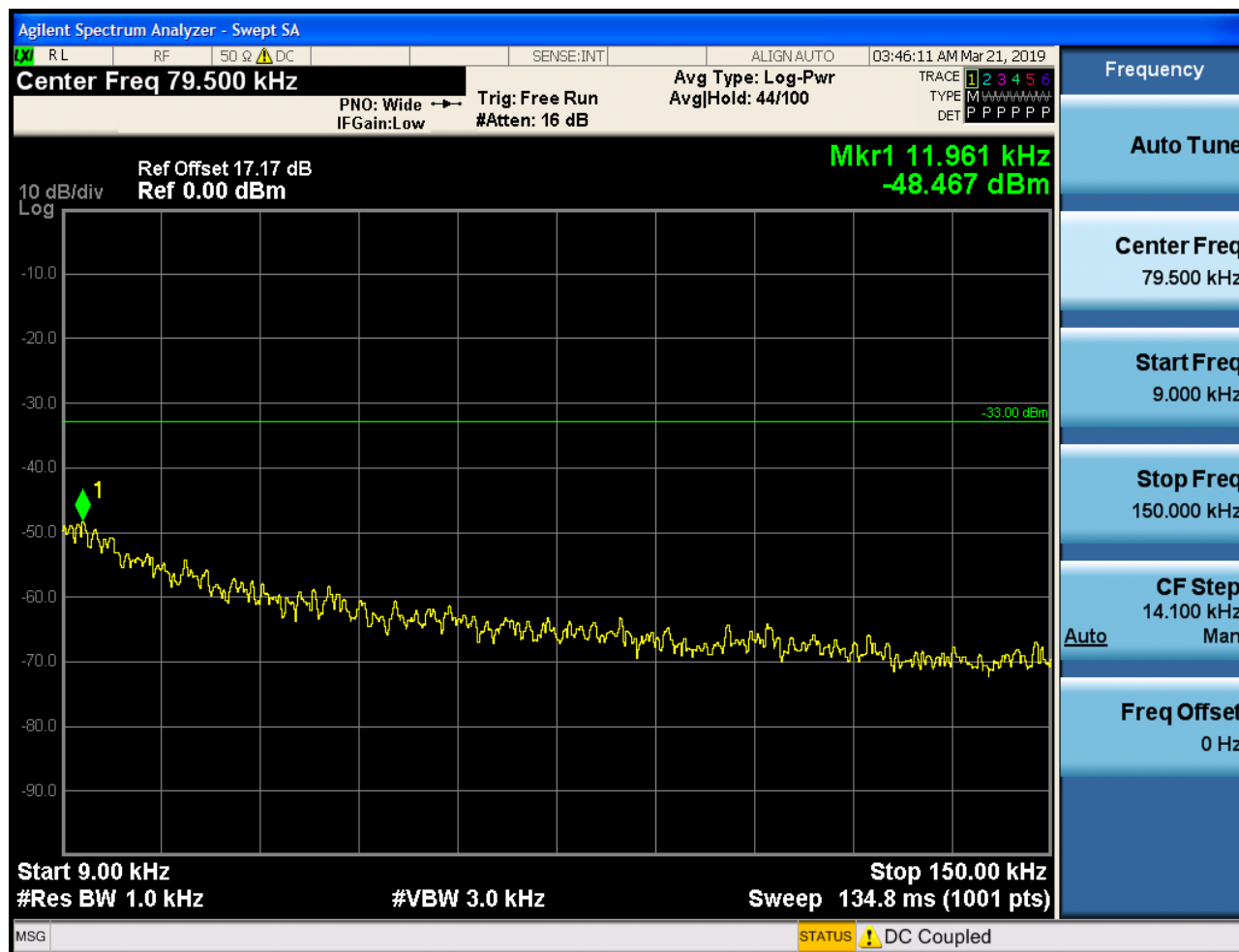


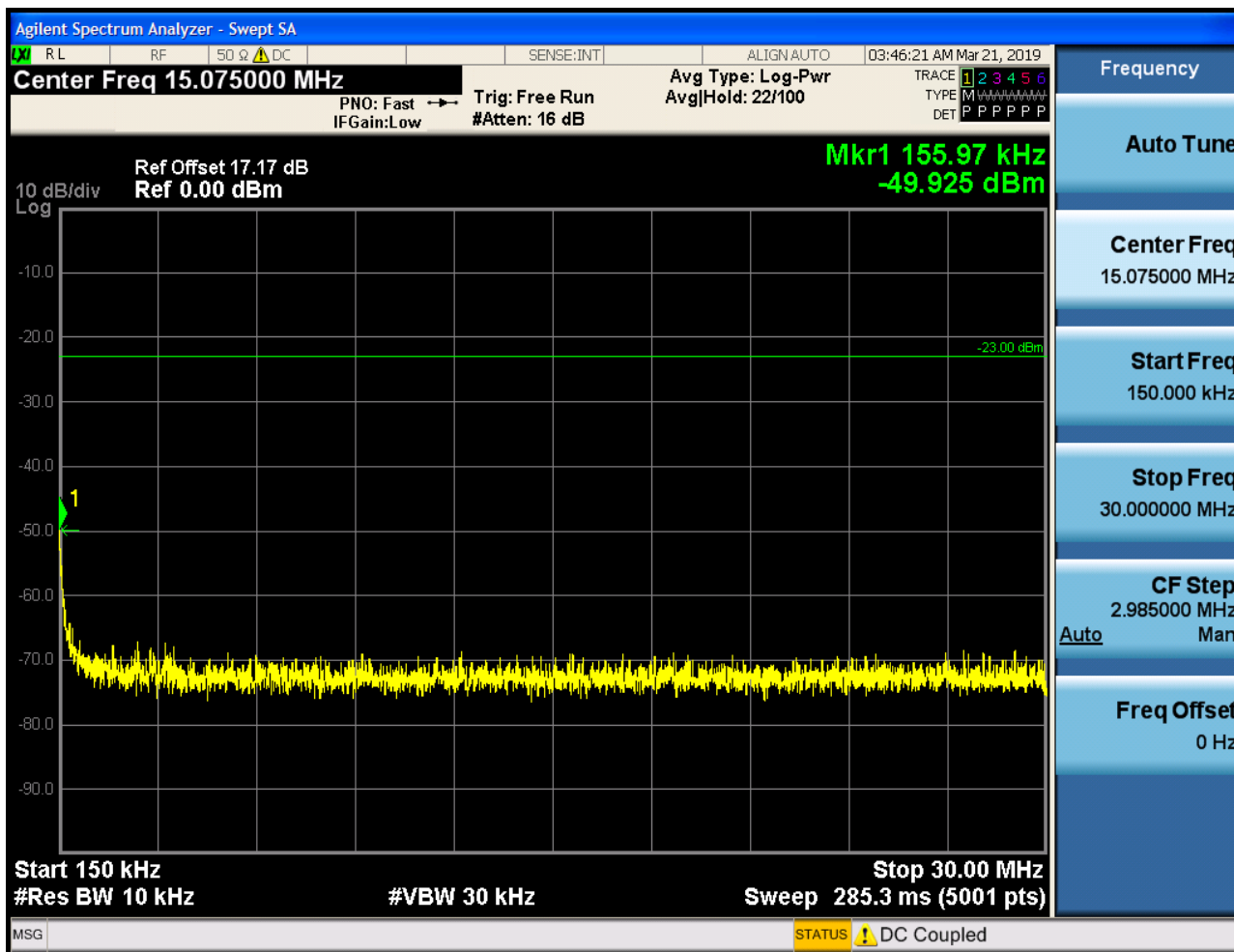


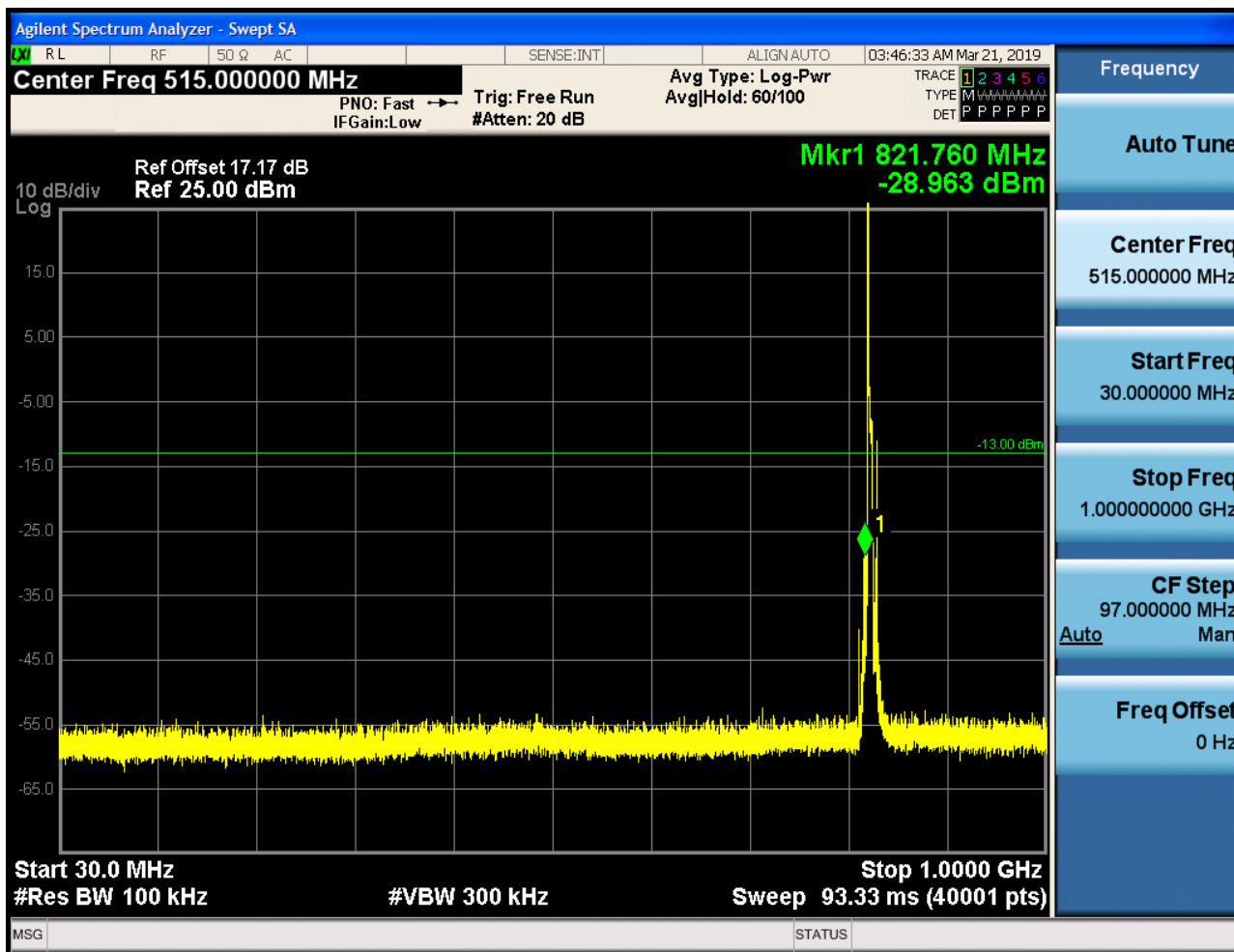
6.2.1.1.3 Test Bandwidth = 5

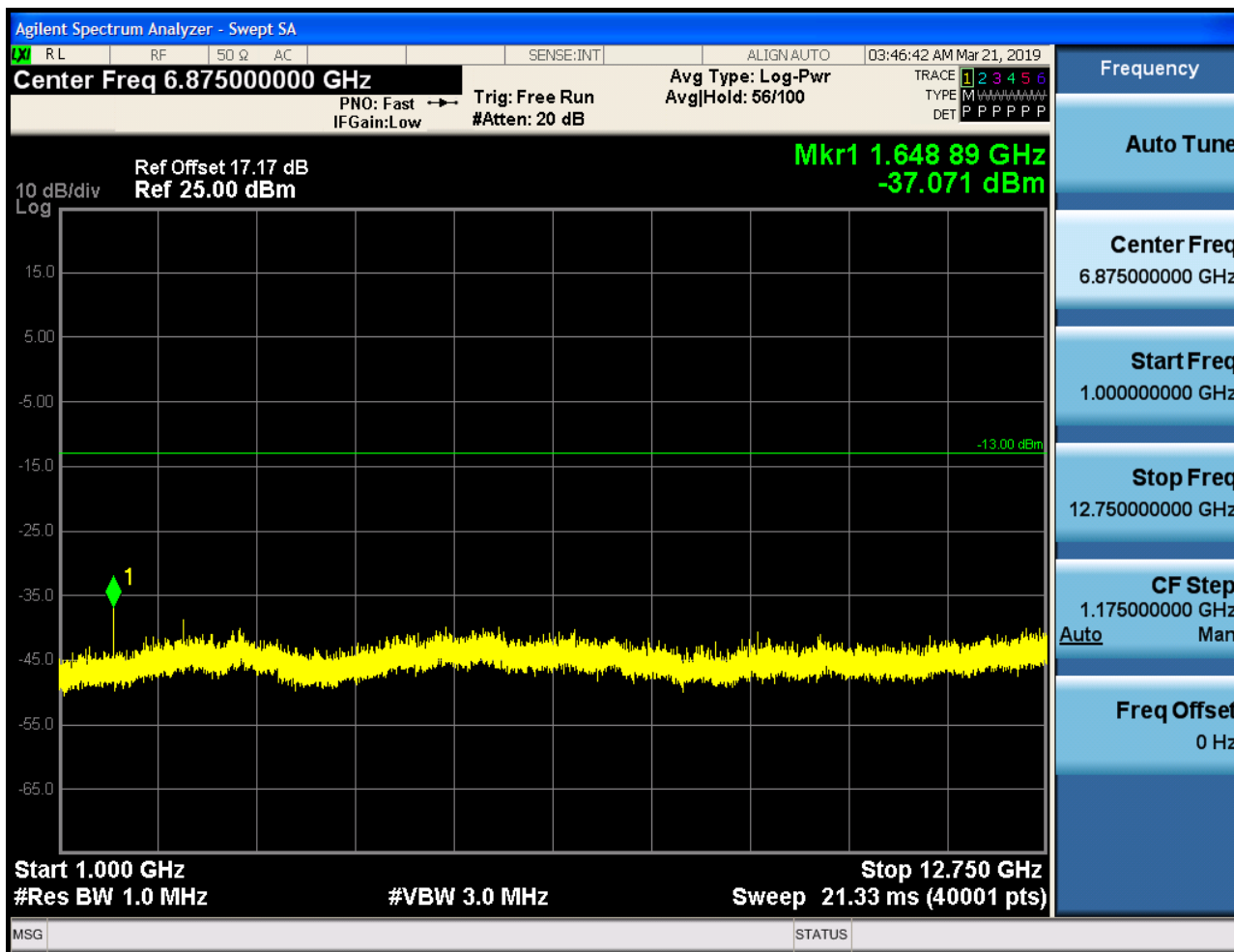
6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0



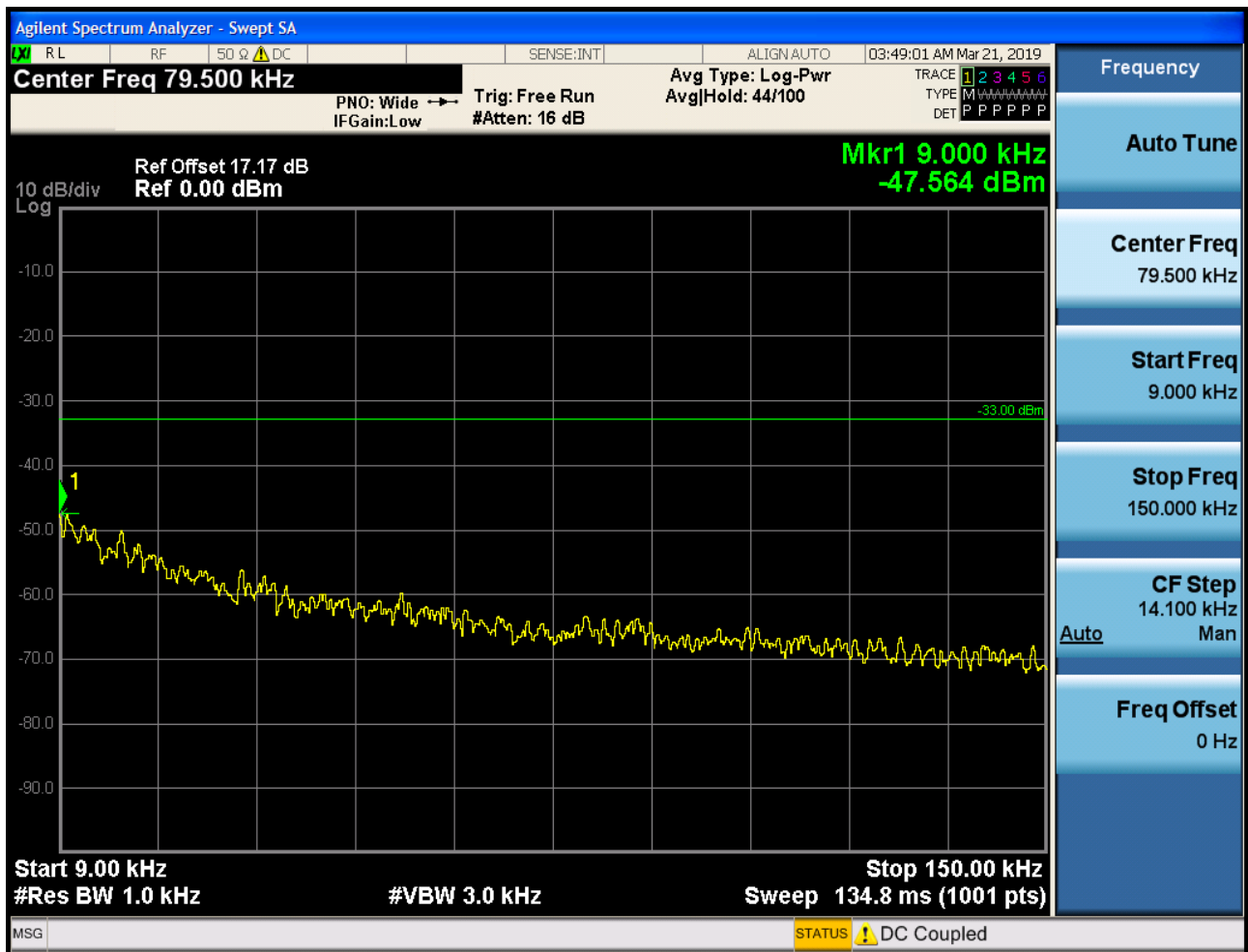


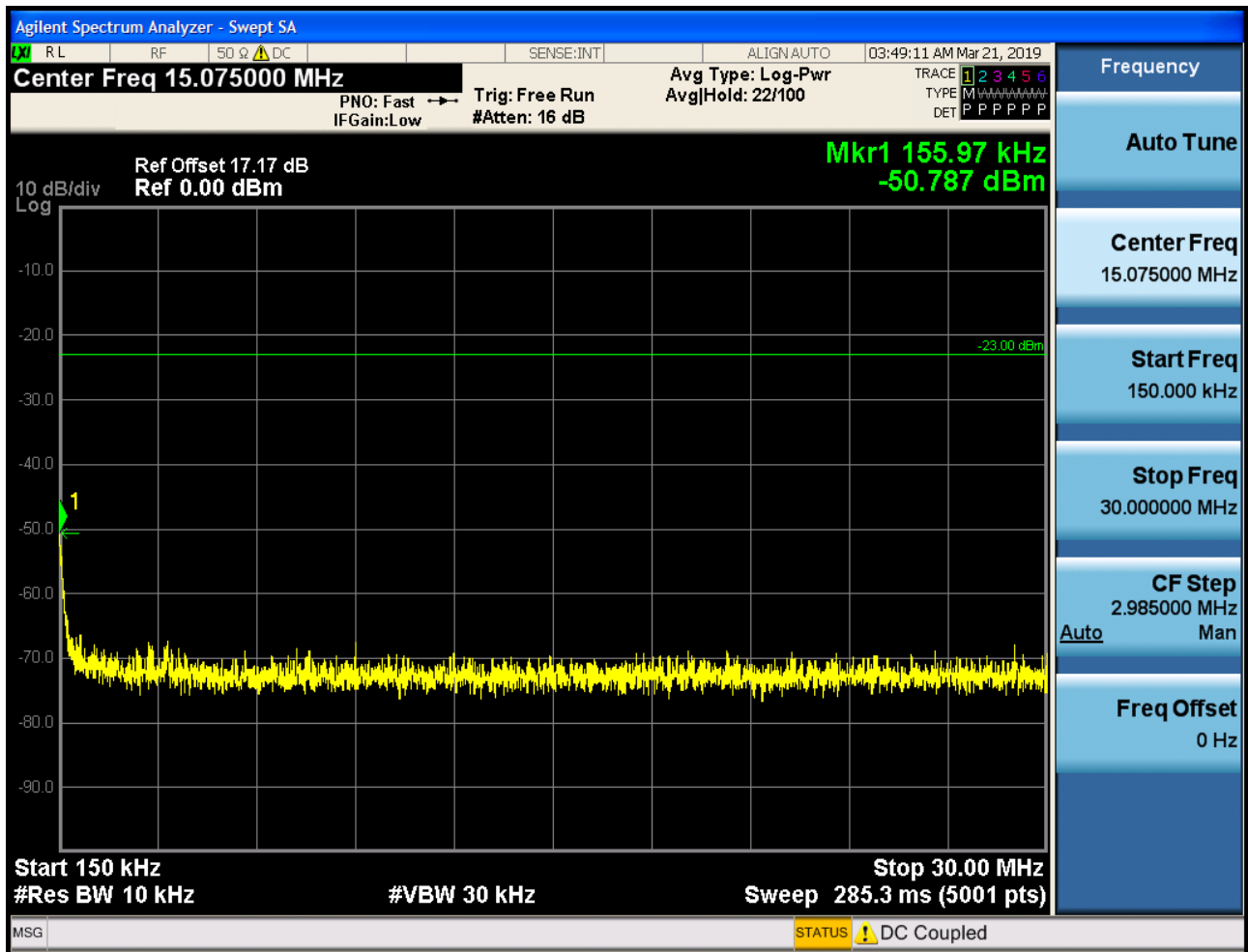


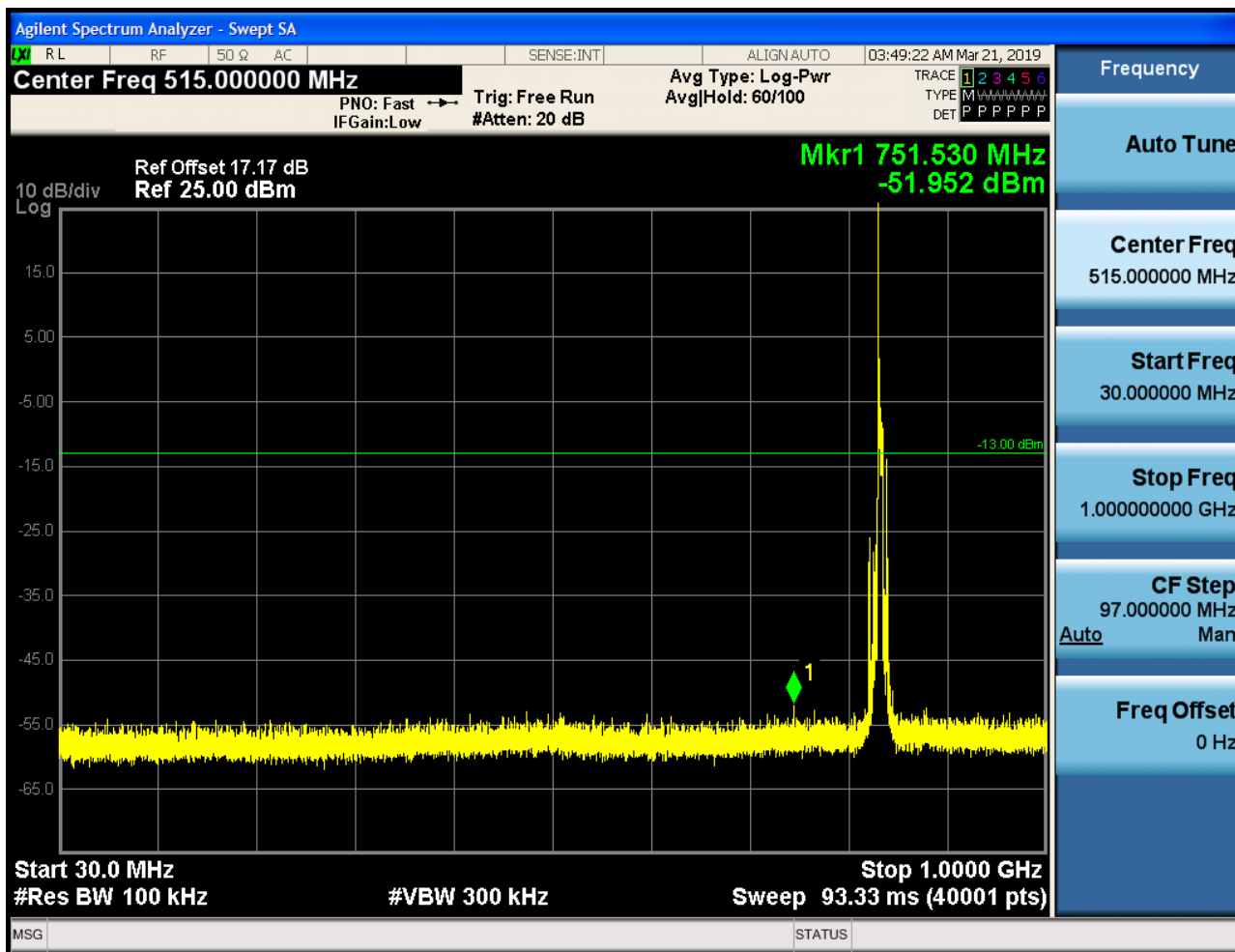


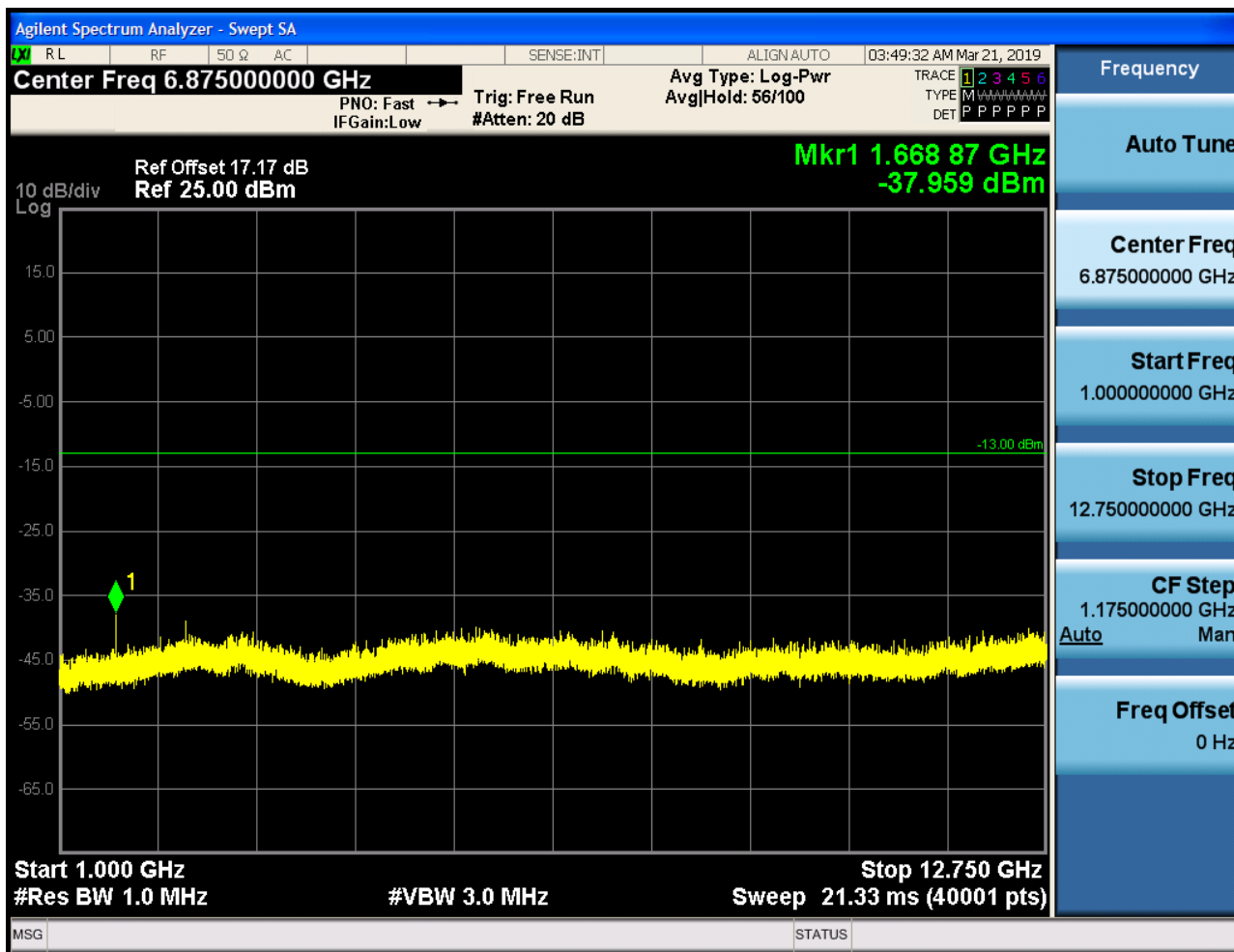
6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0



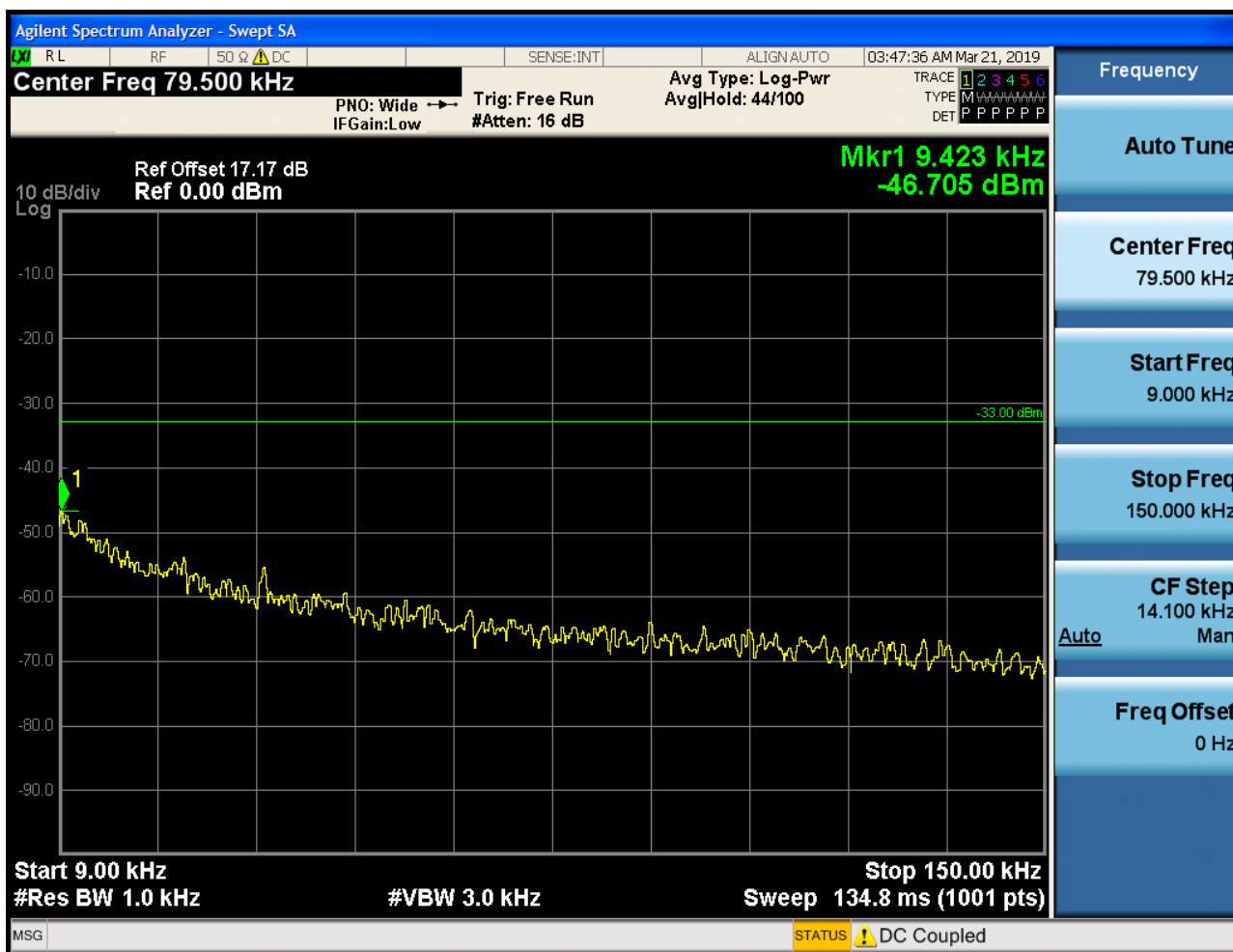


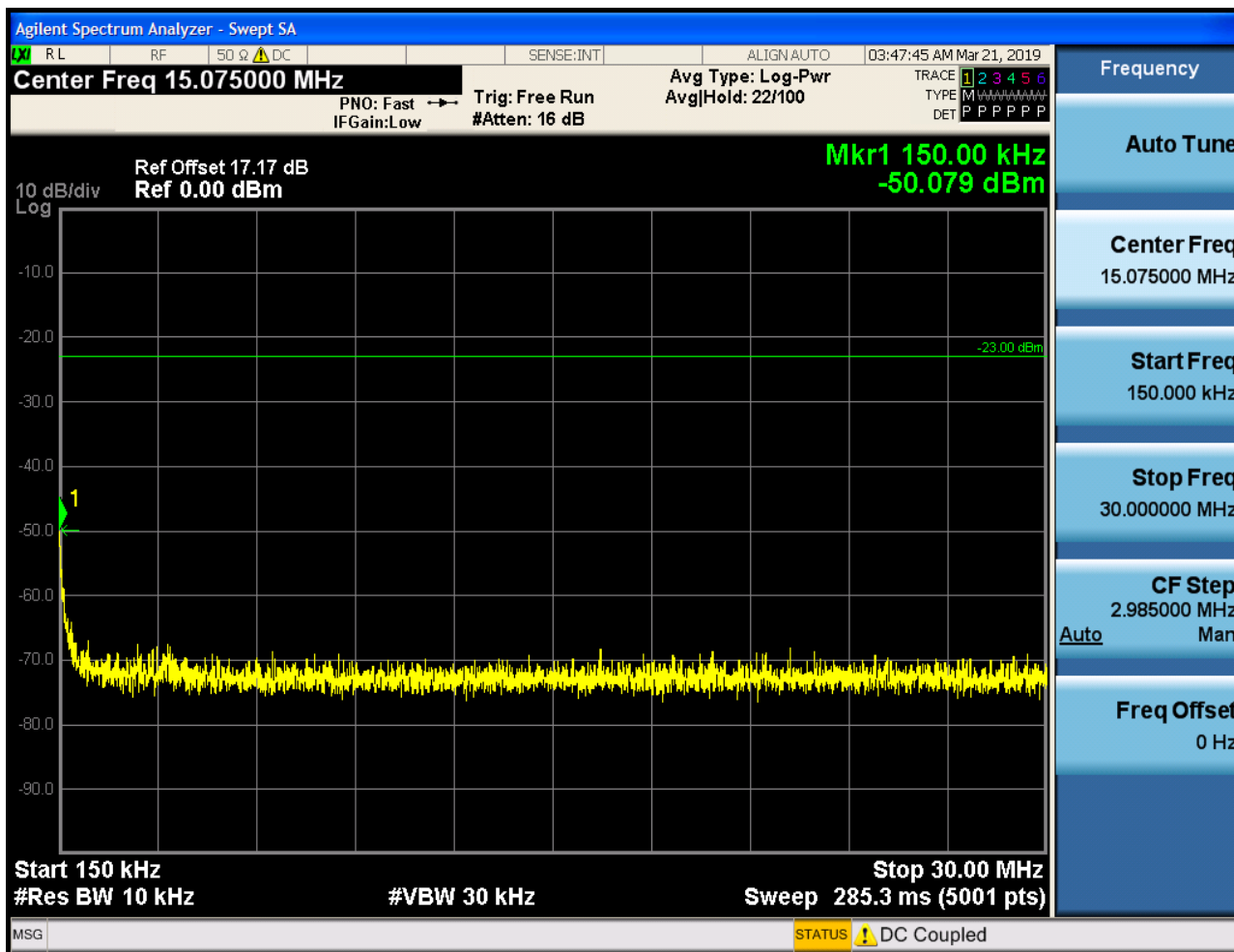


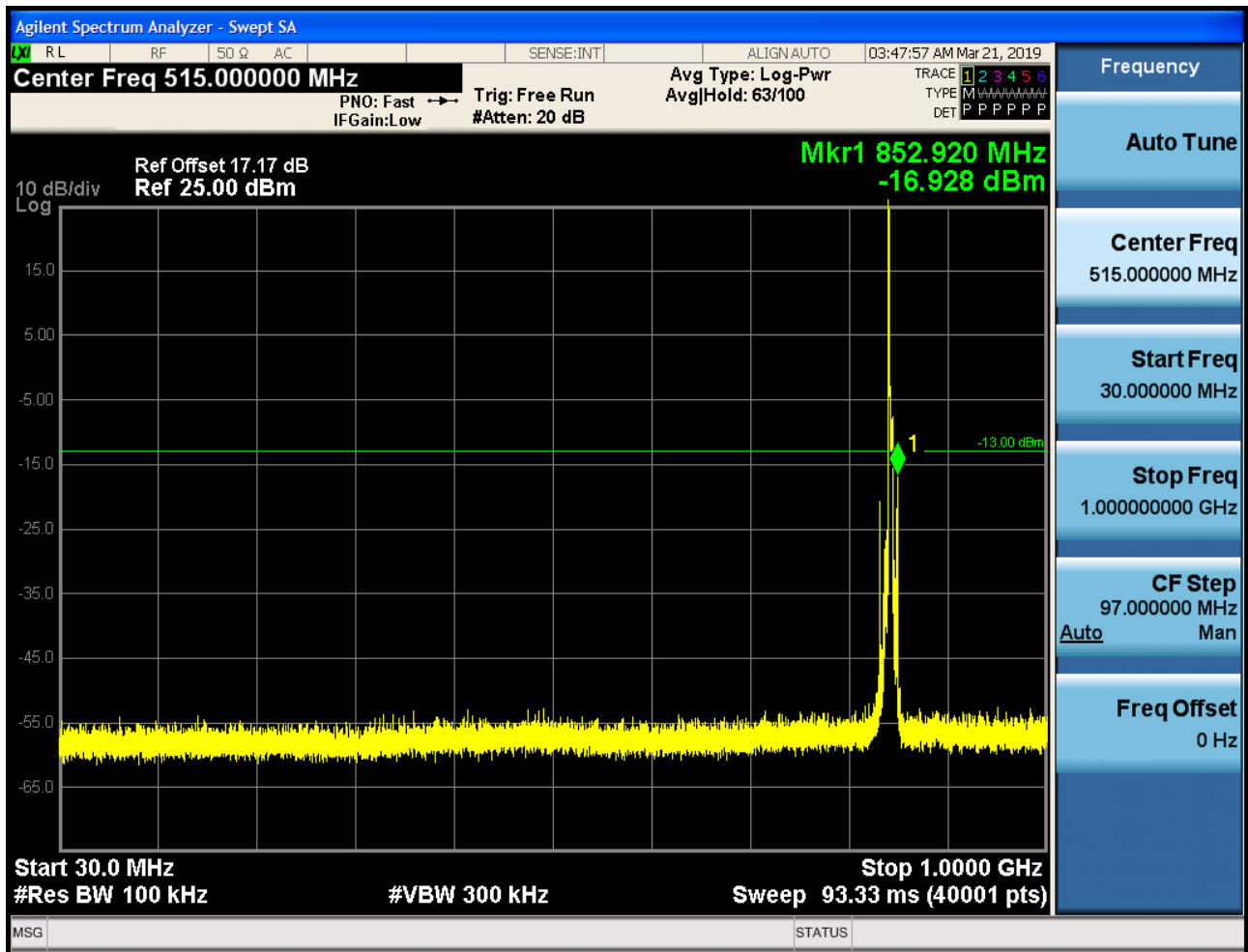


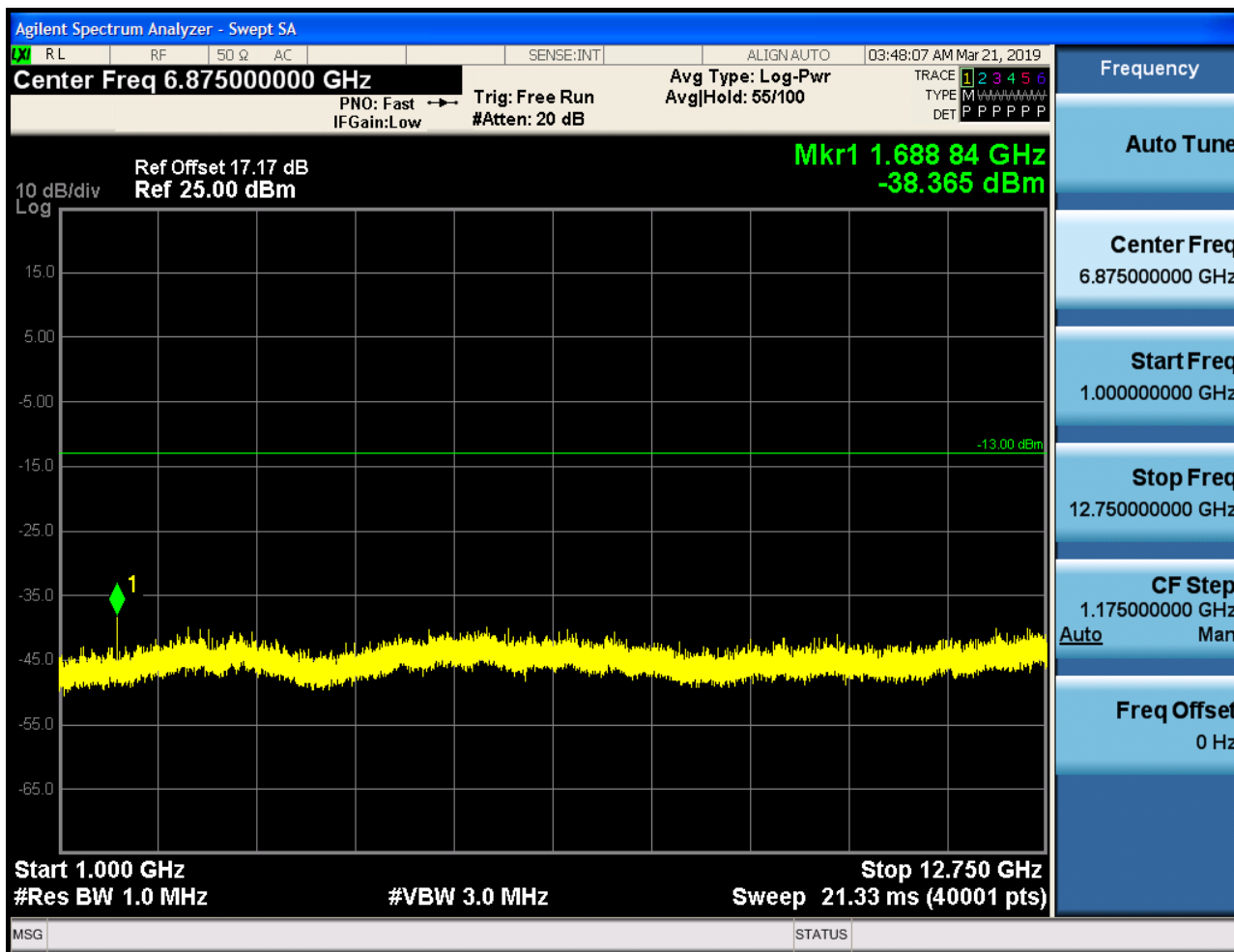
6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0





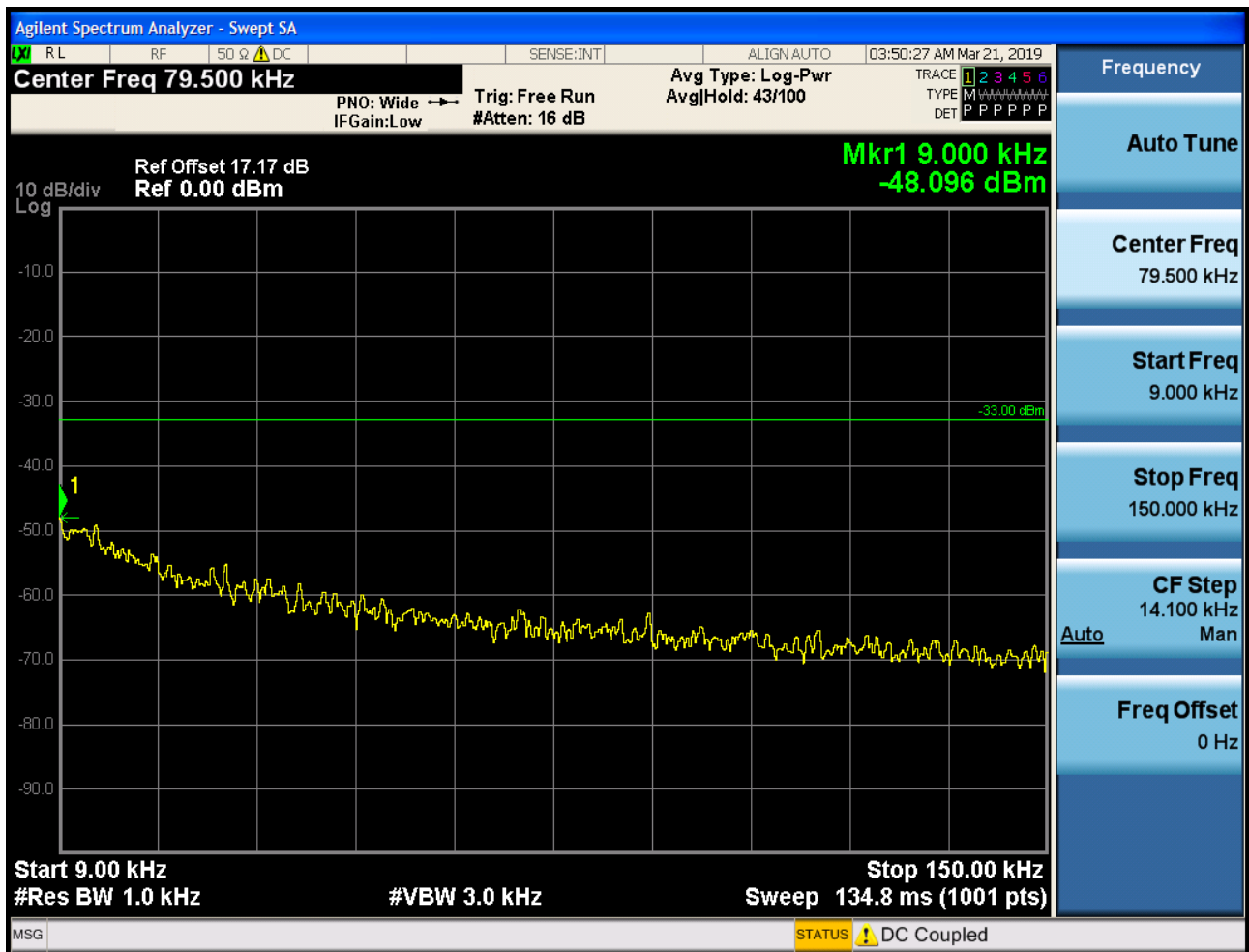


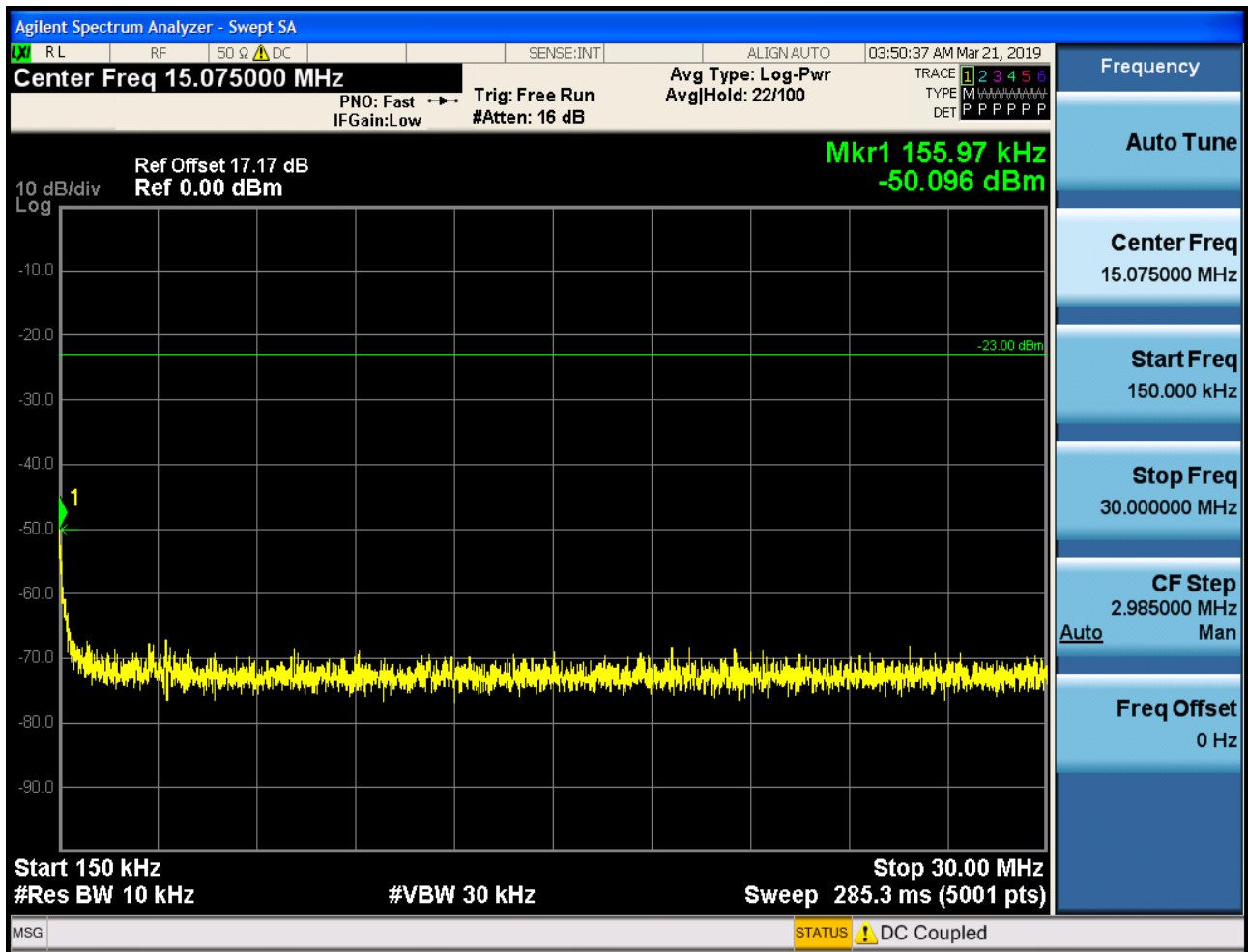


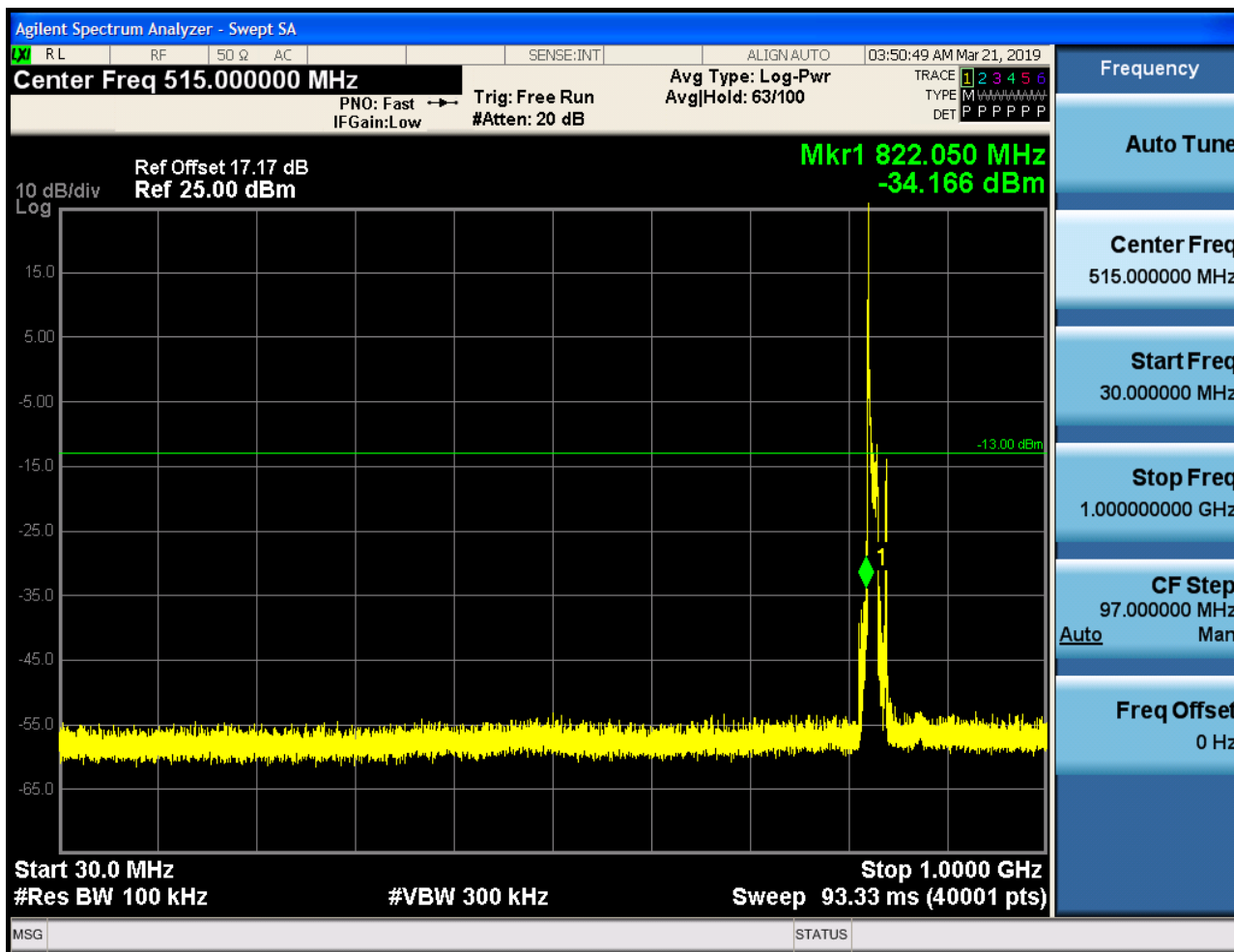
6.2.1.1.4 Test Bandwidth = 10

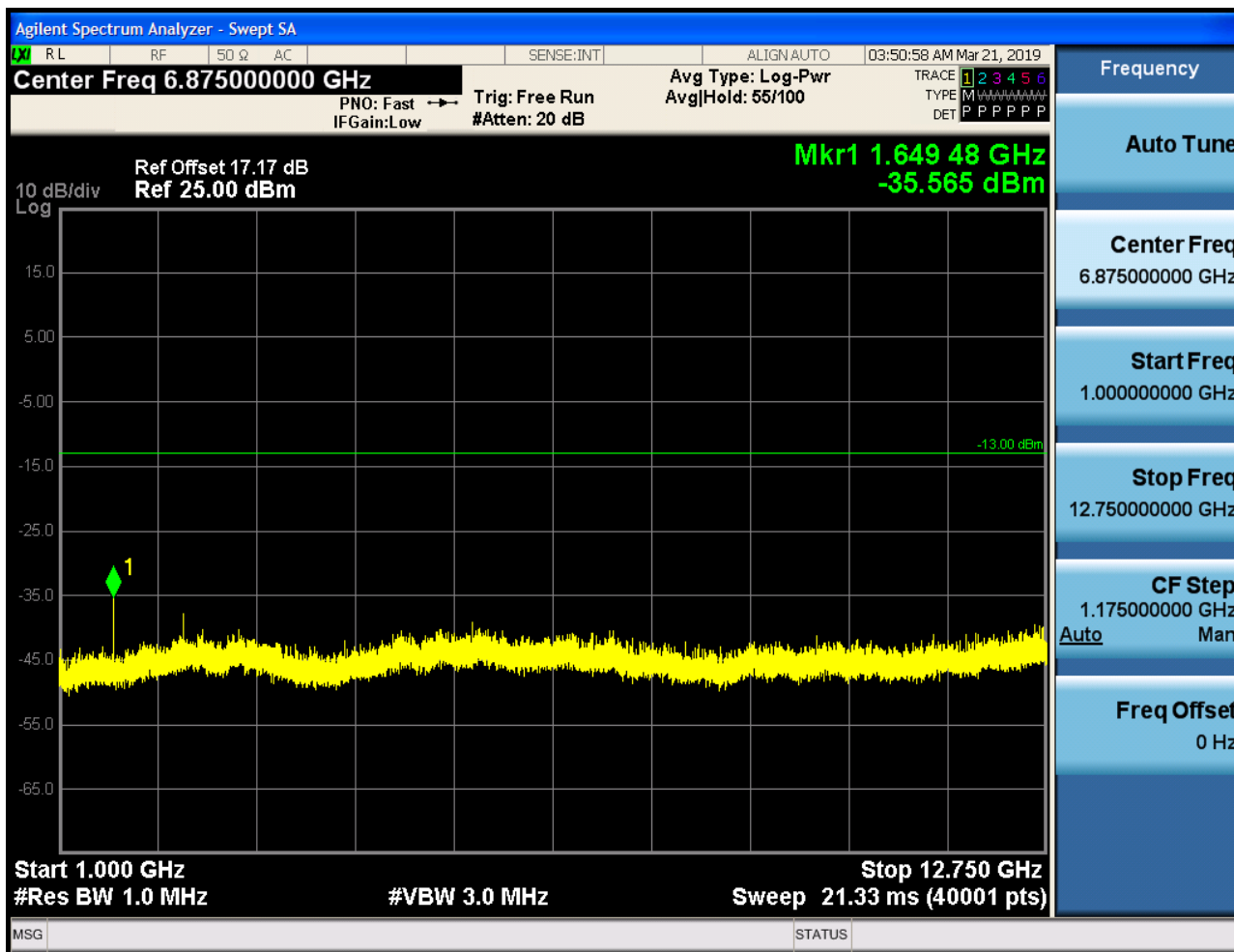
6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0



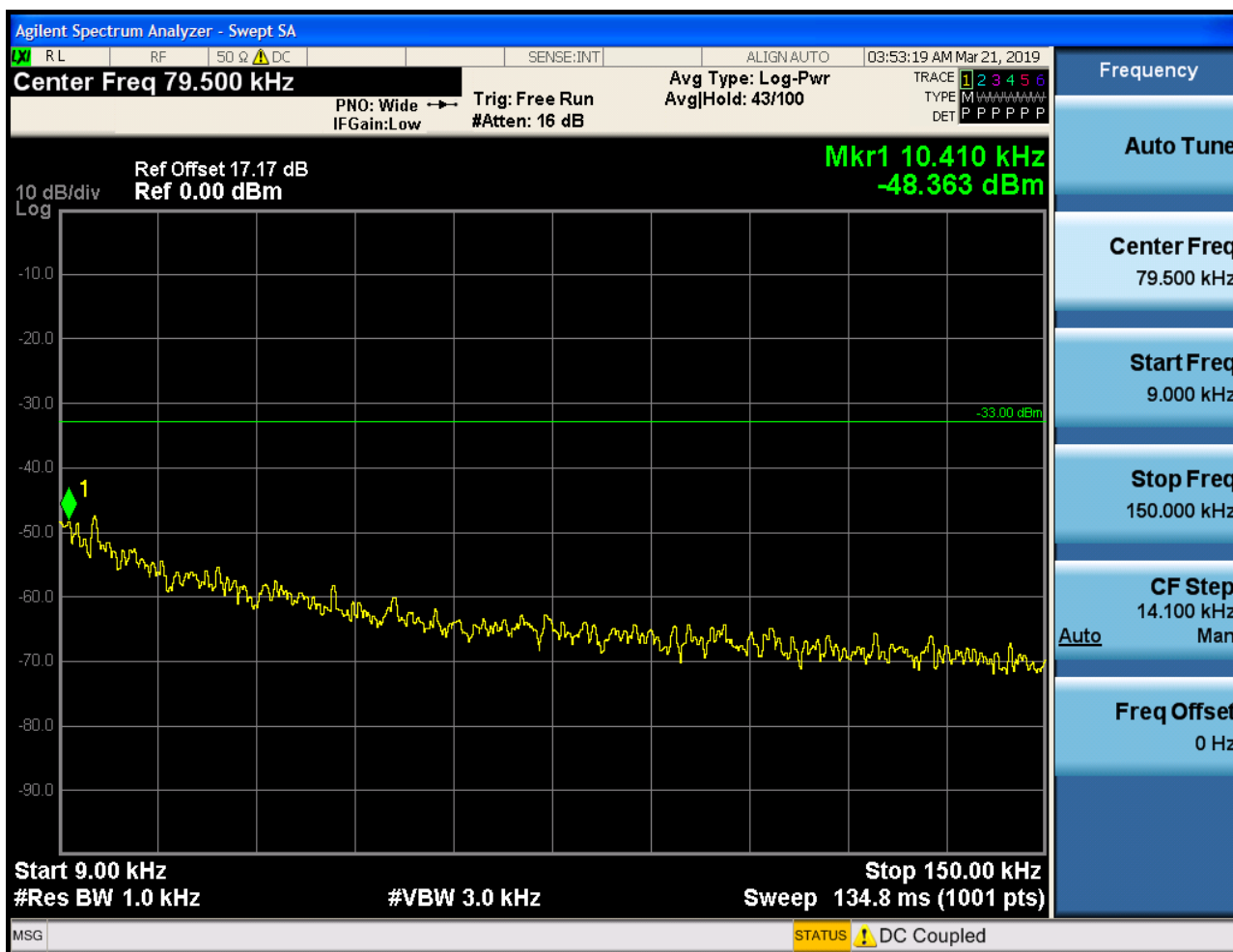


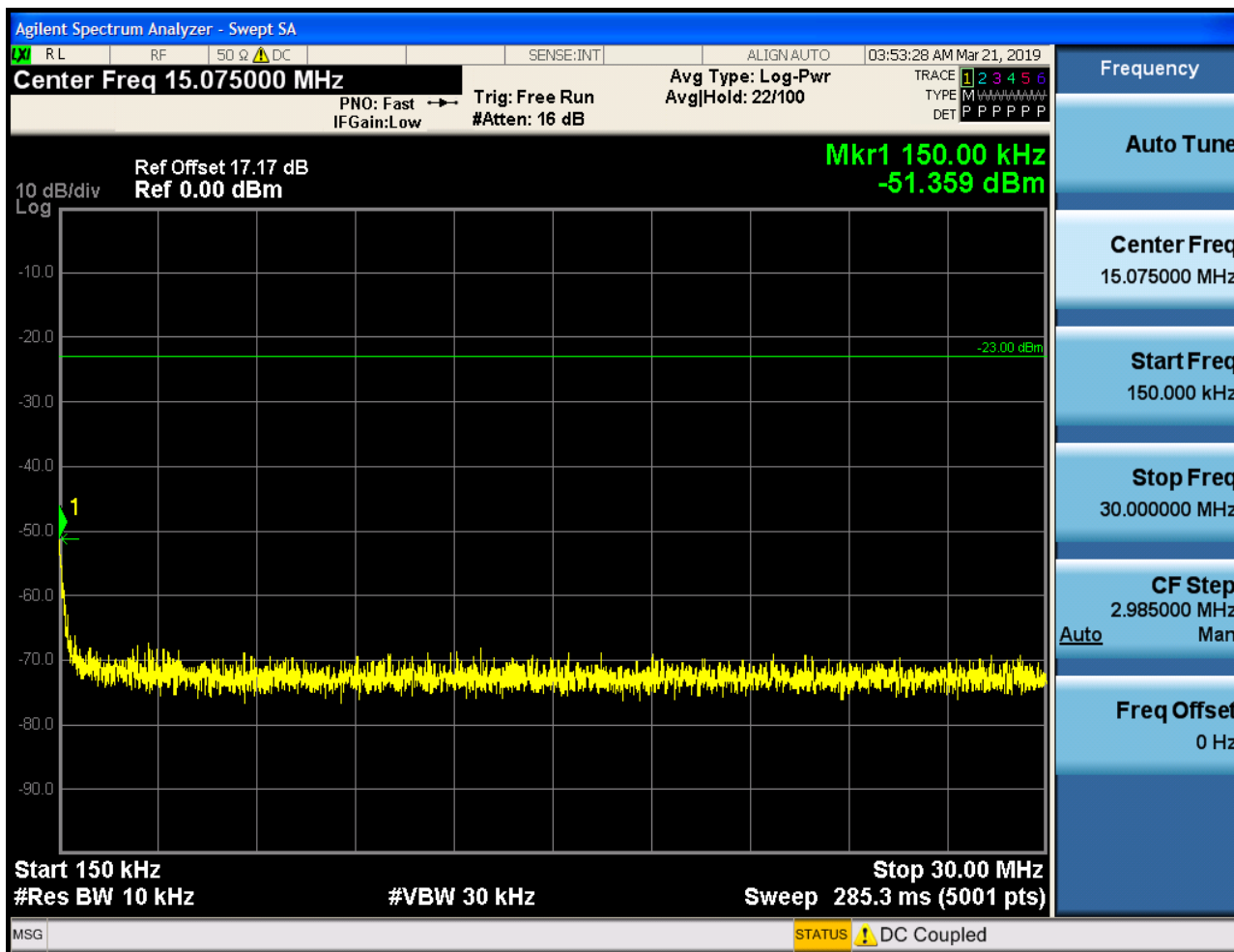


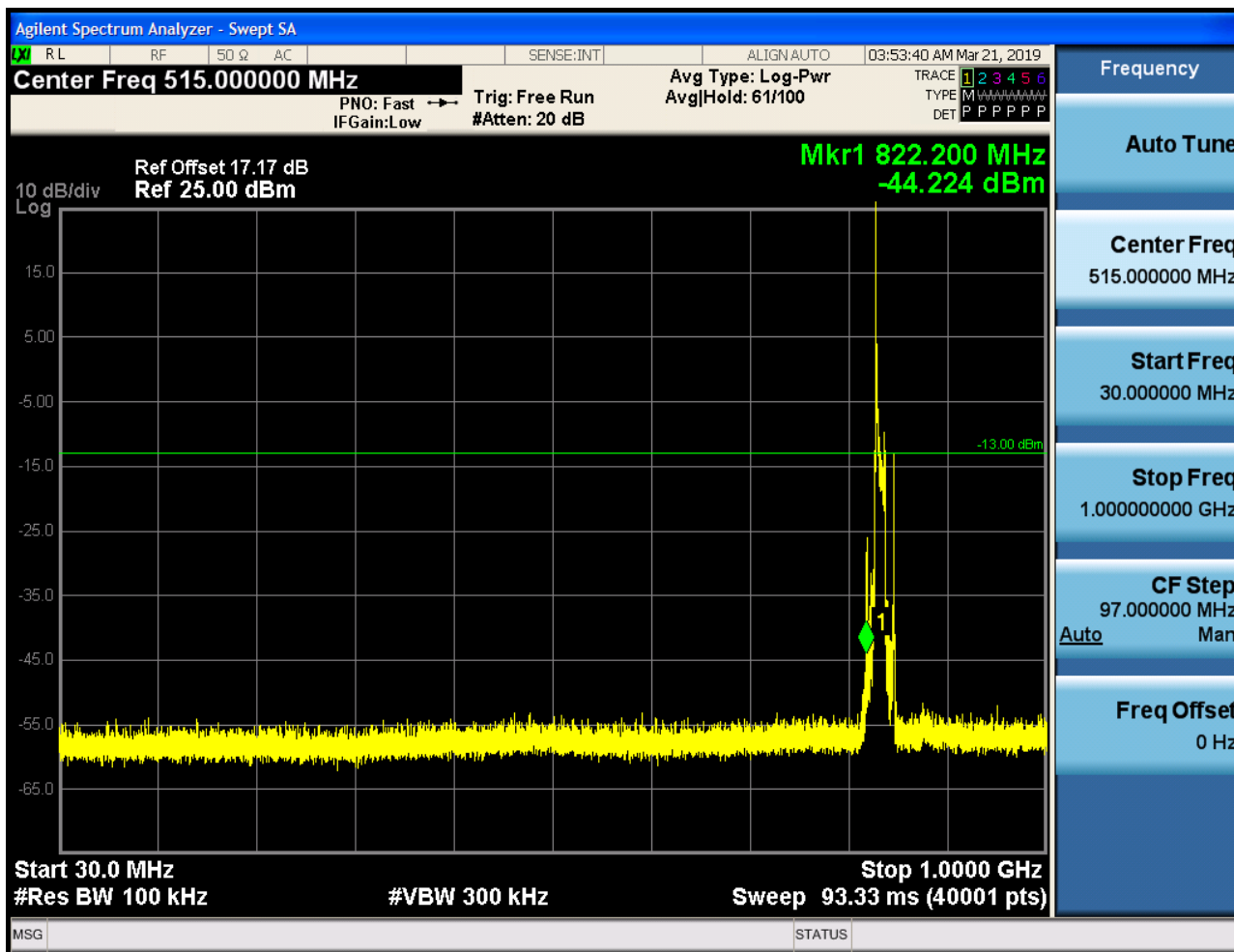


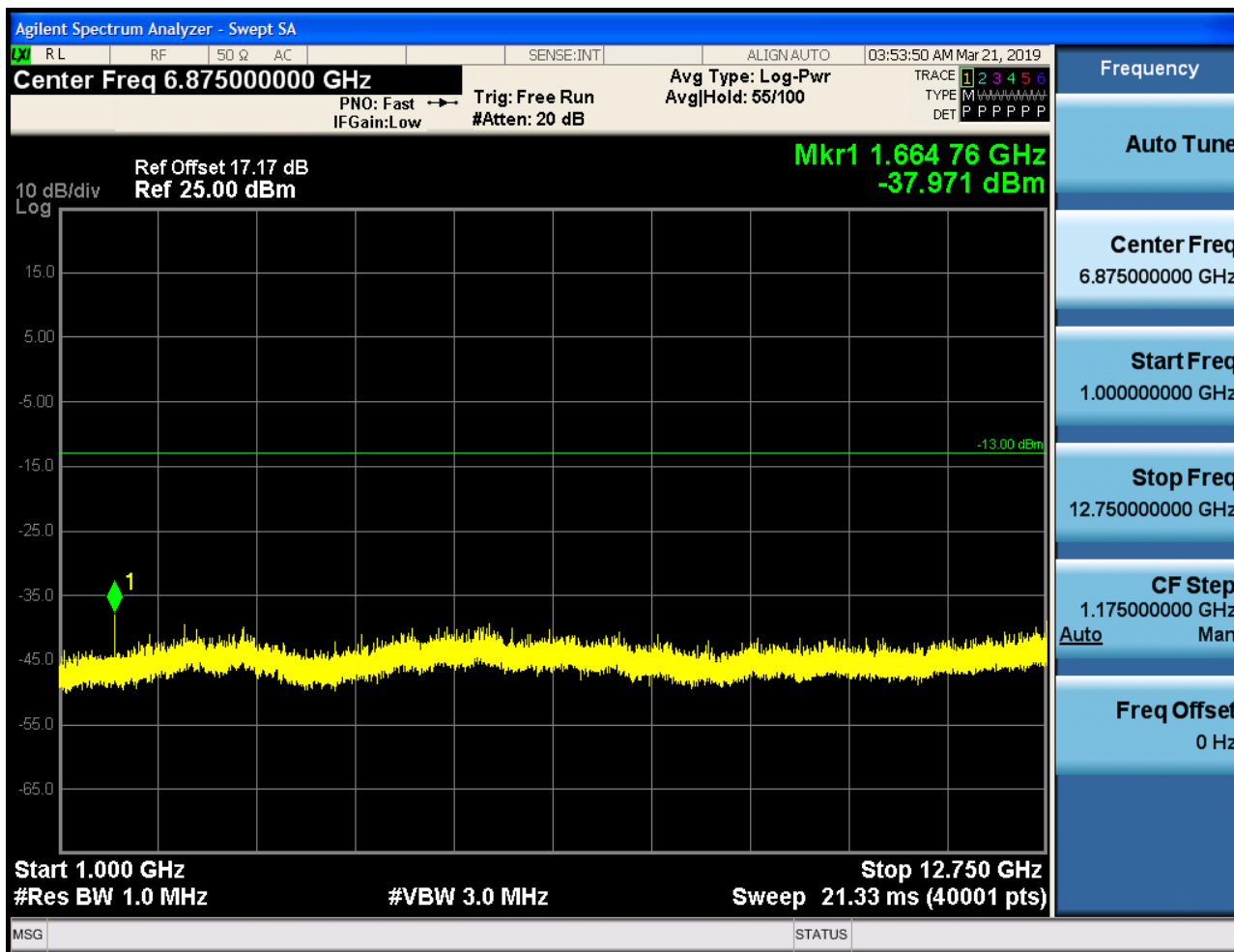
6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0



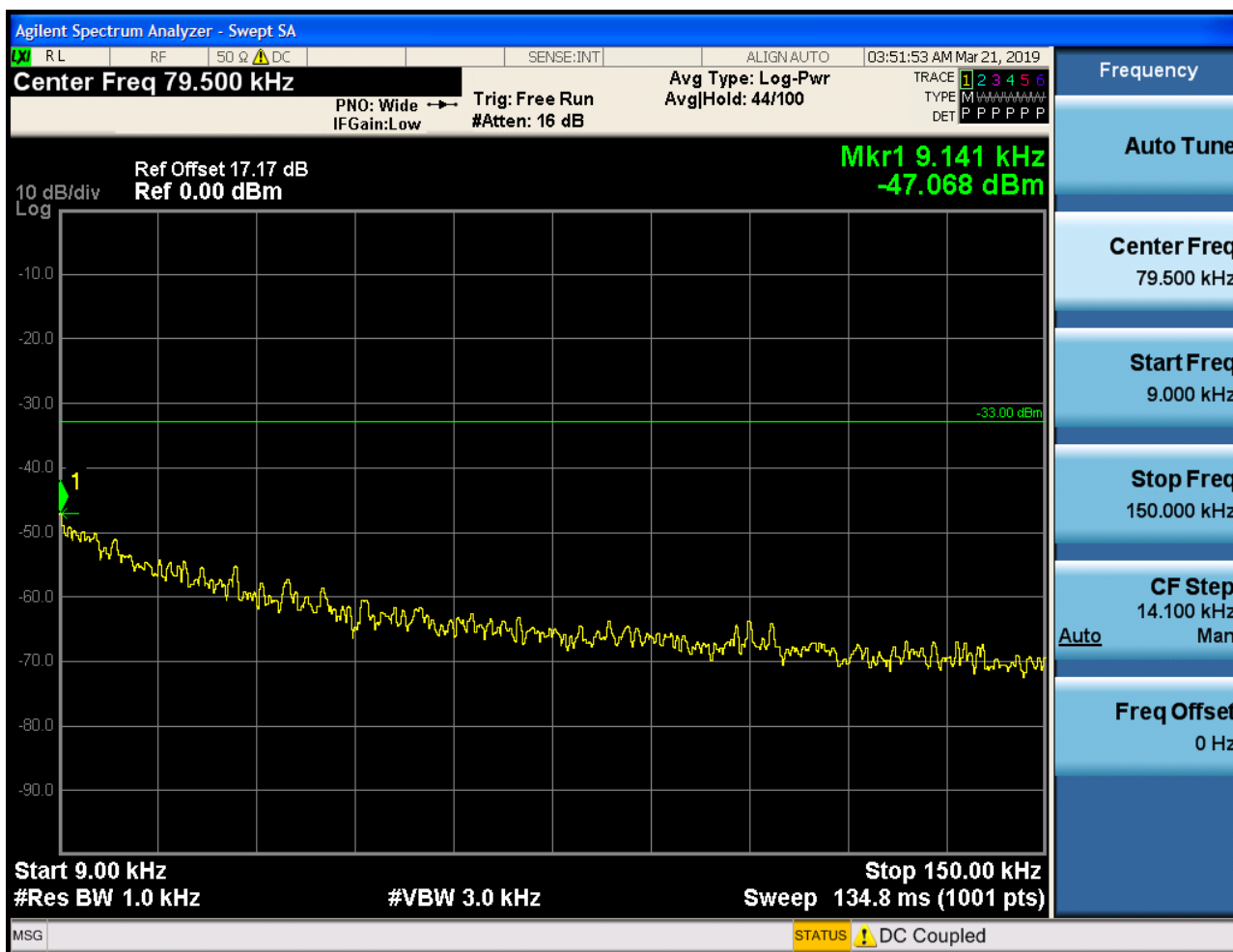


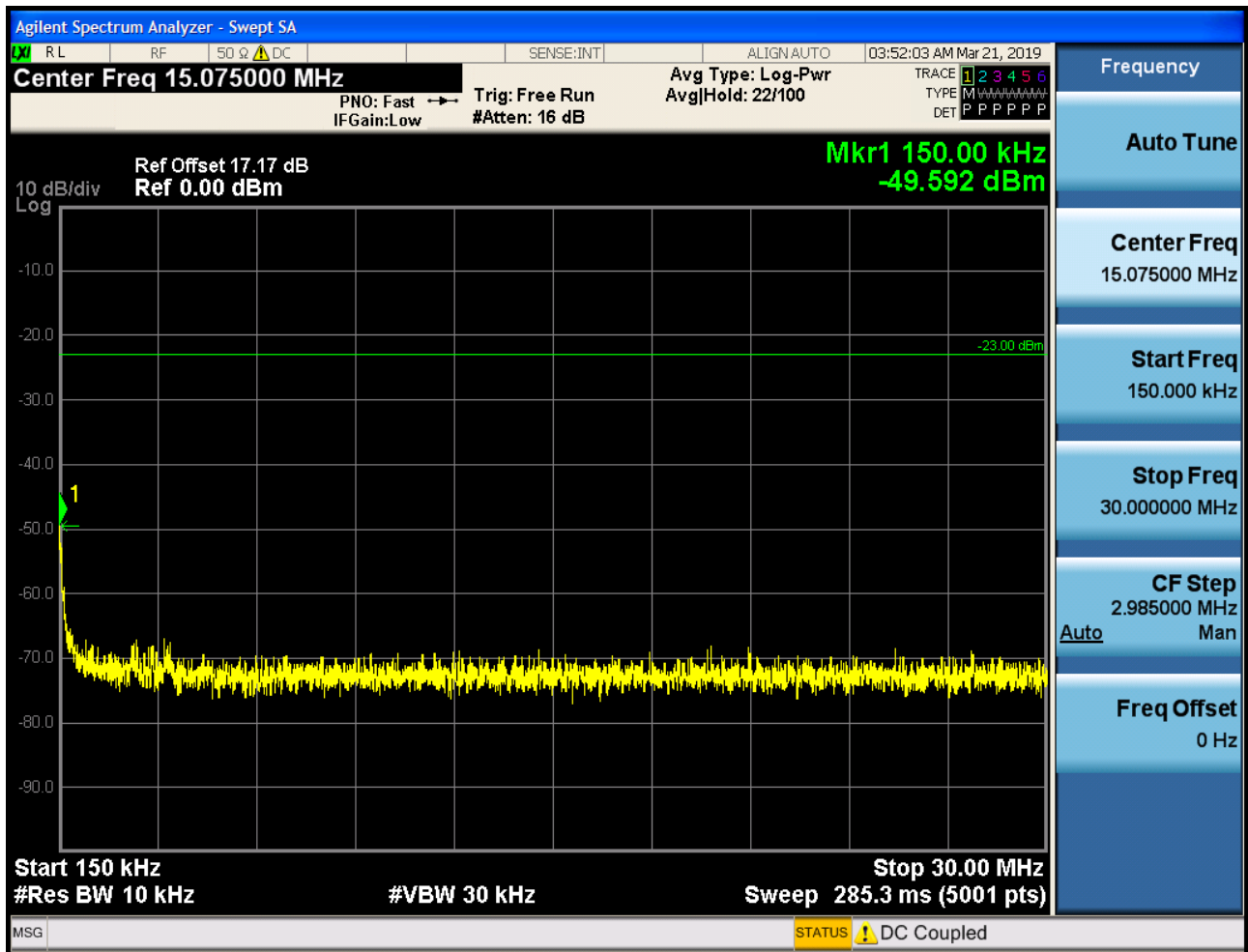


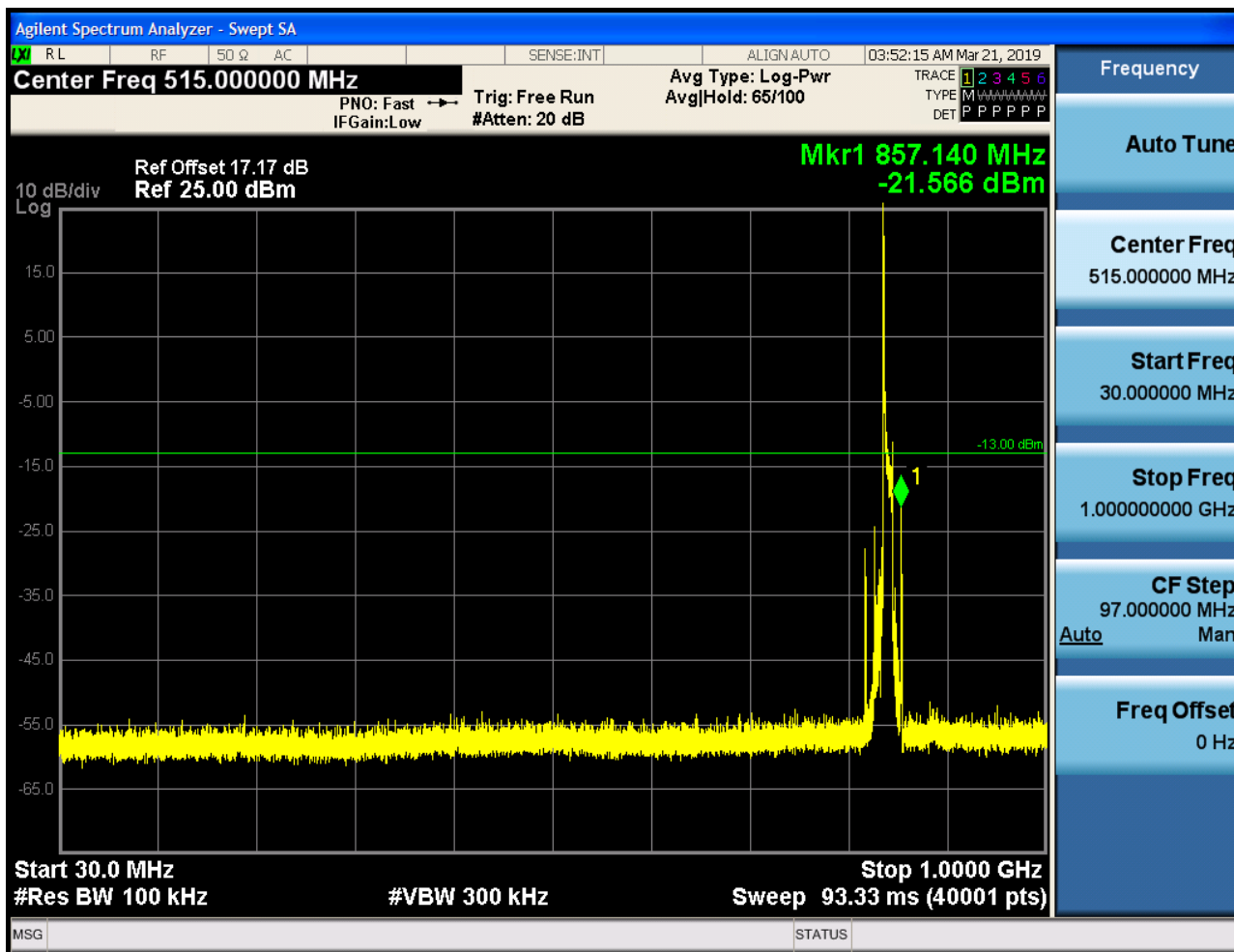


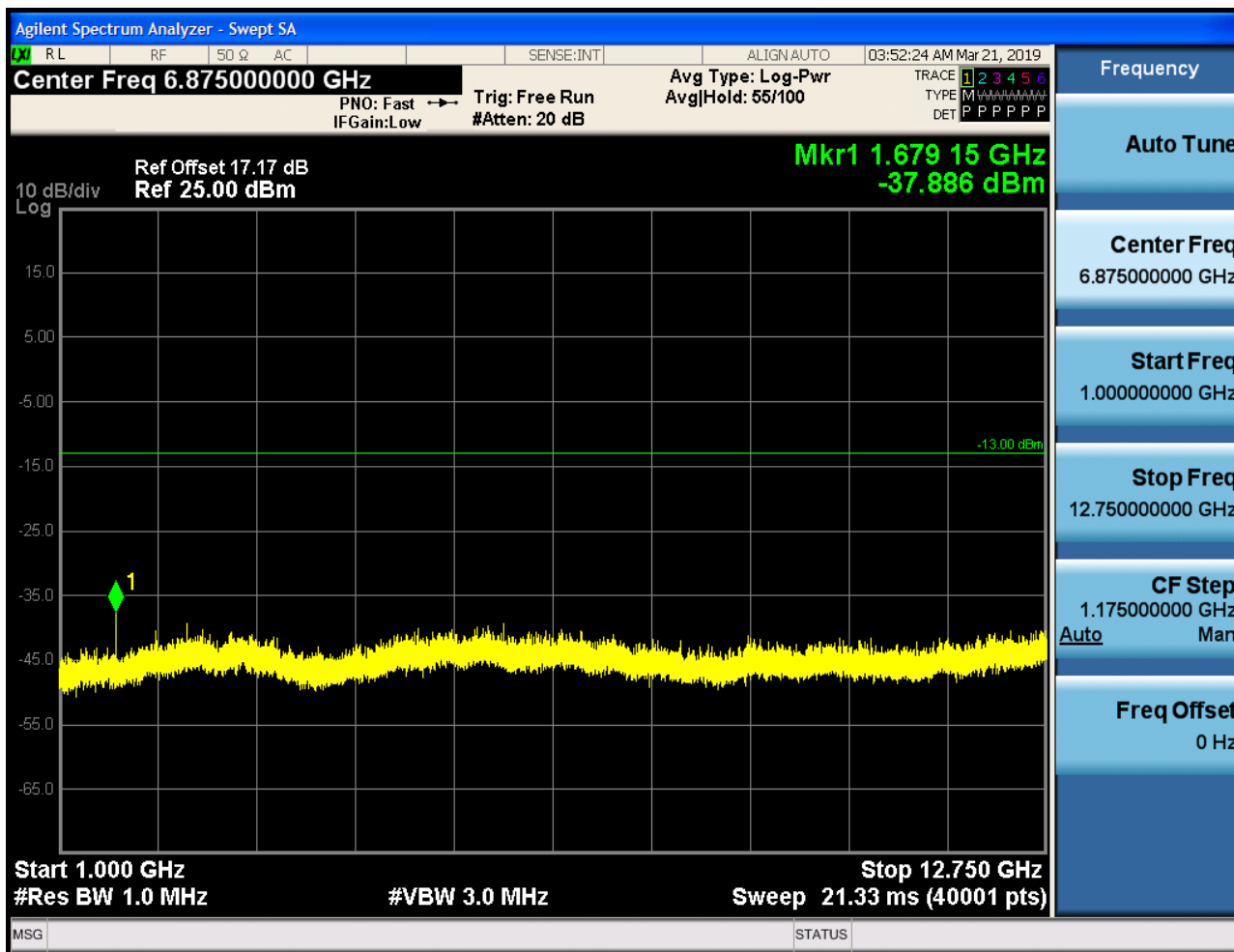
6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0







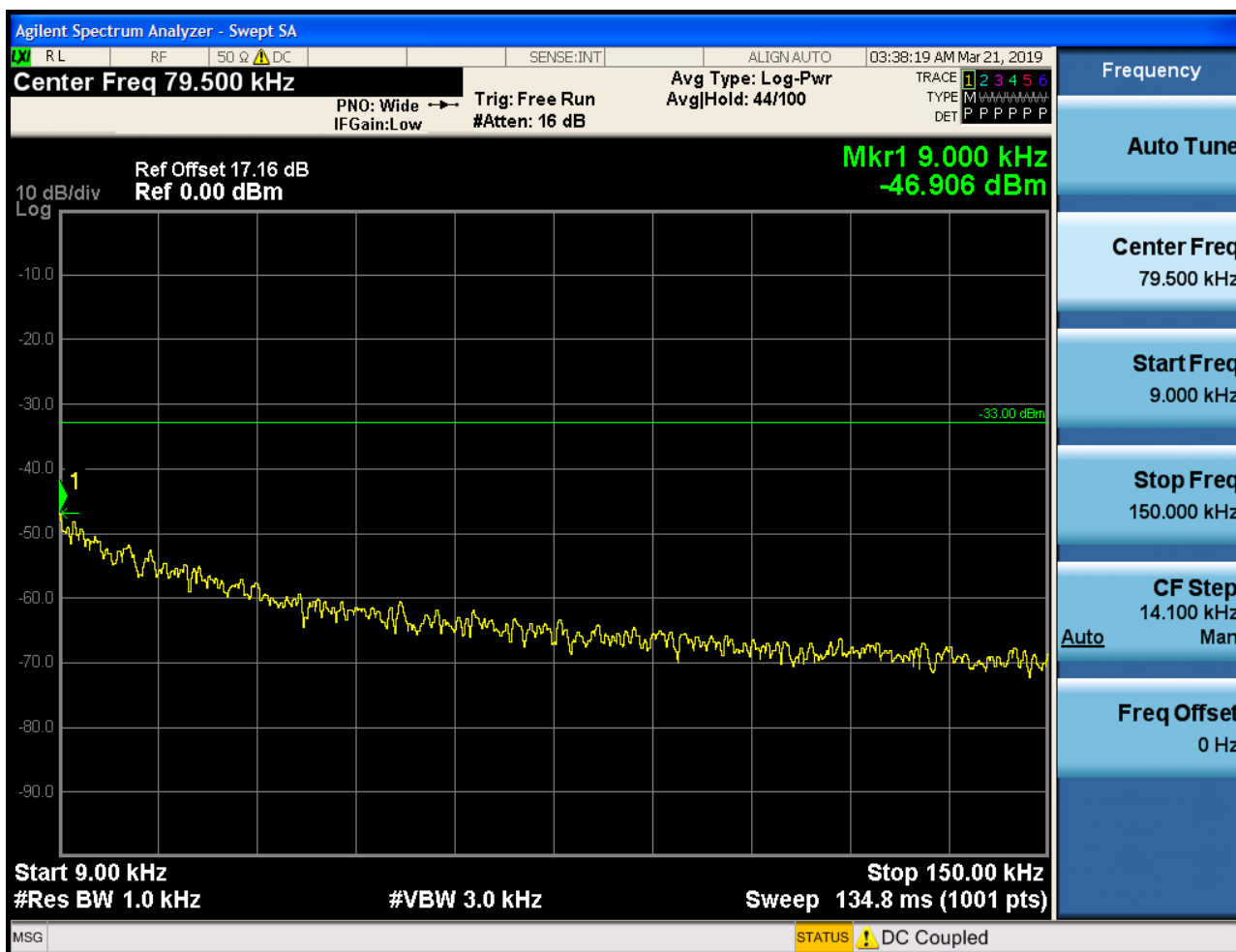


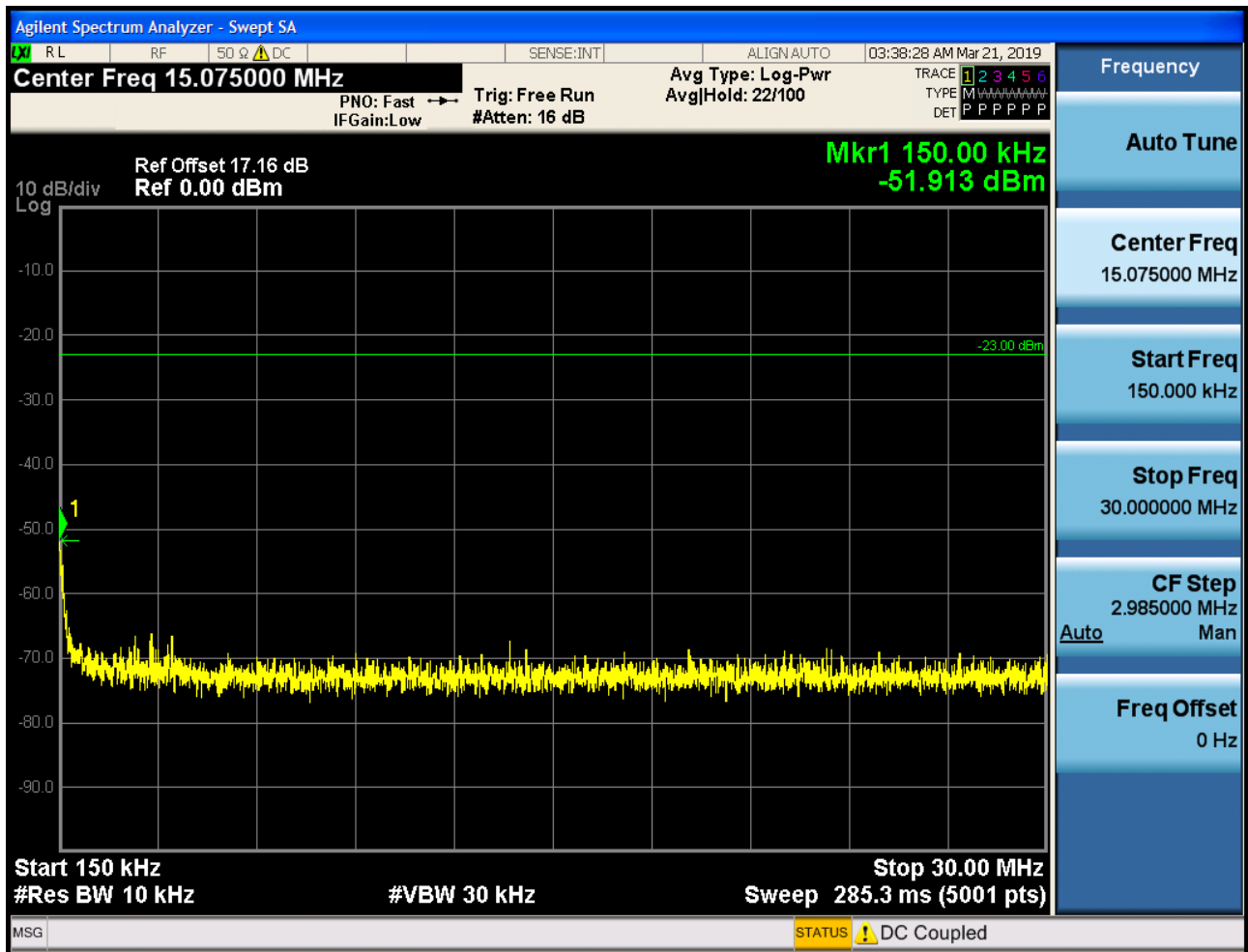
6.2.1.2 Test Mode = LTE/TM2

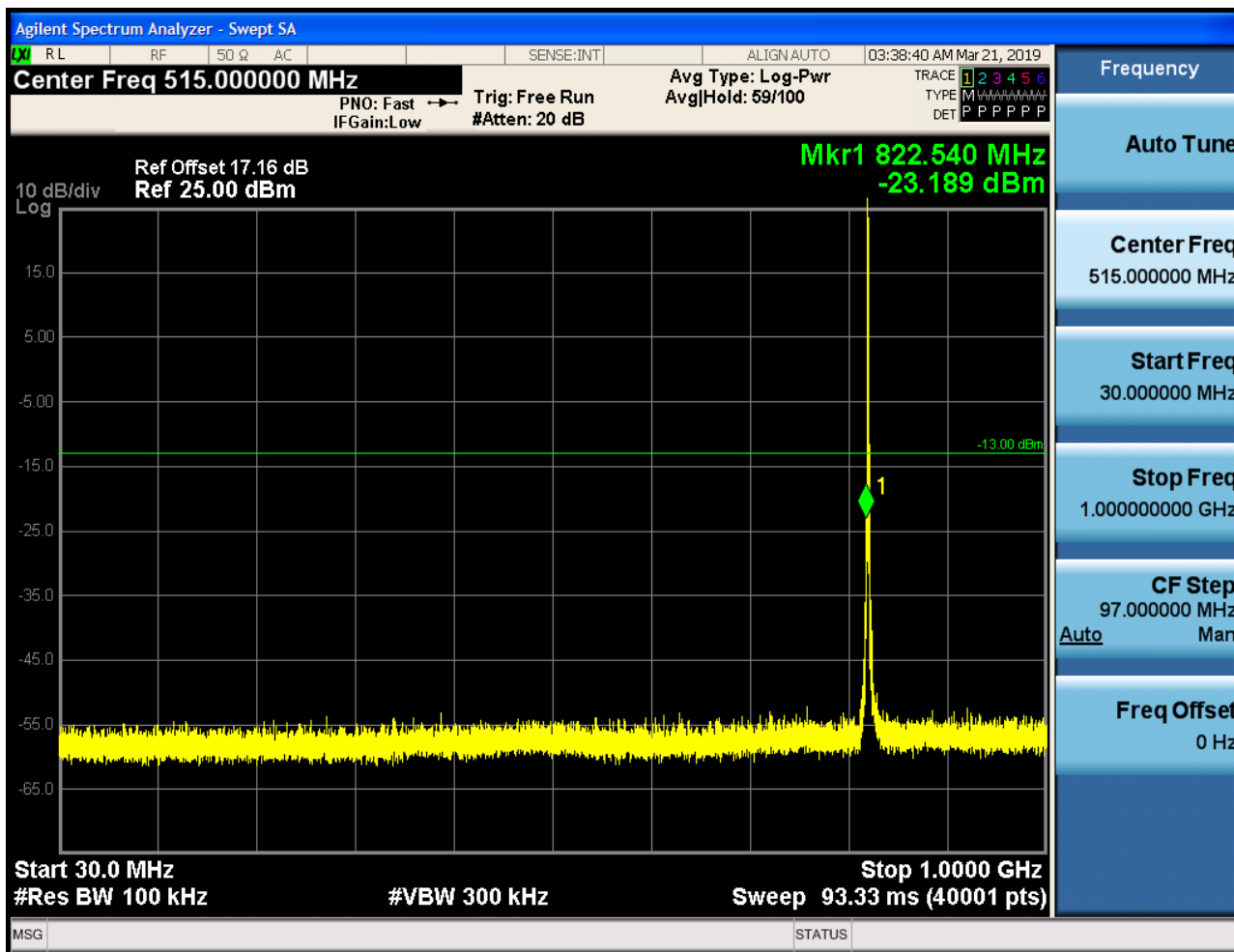
6.2.1.2.1 Test Bandwidth = 1.4

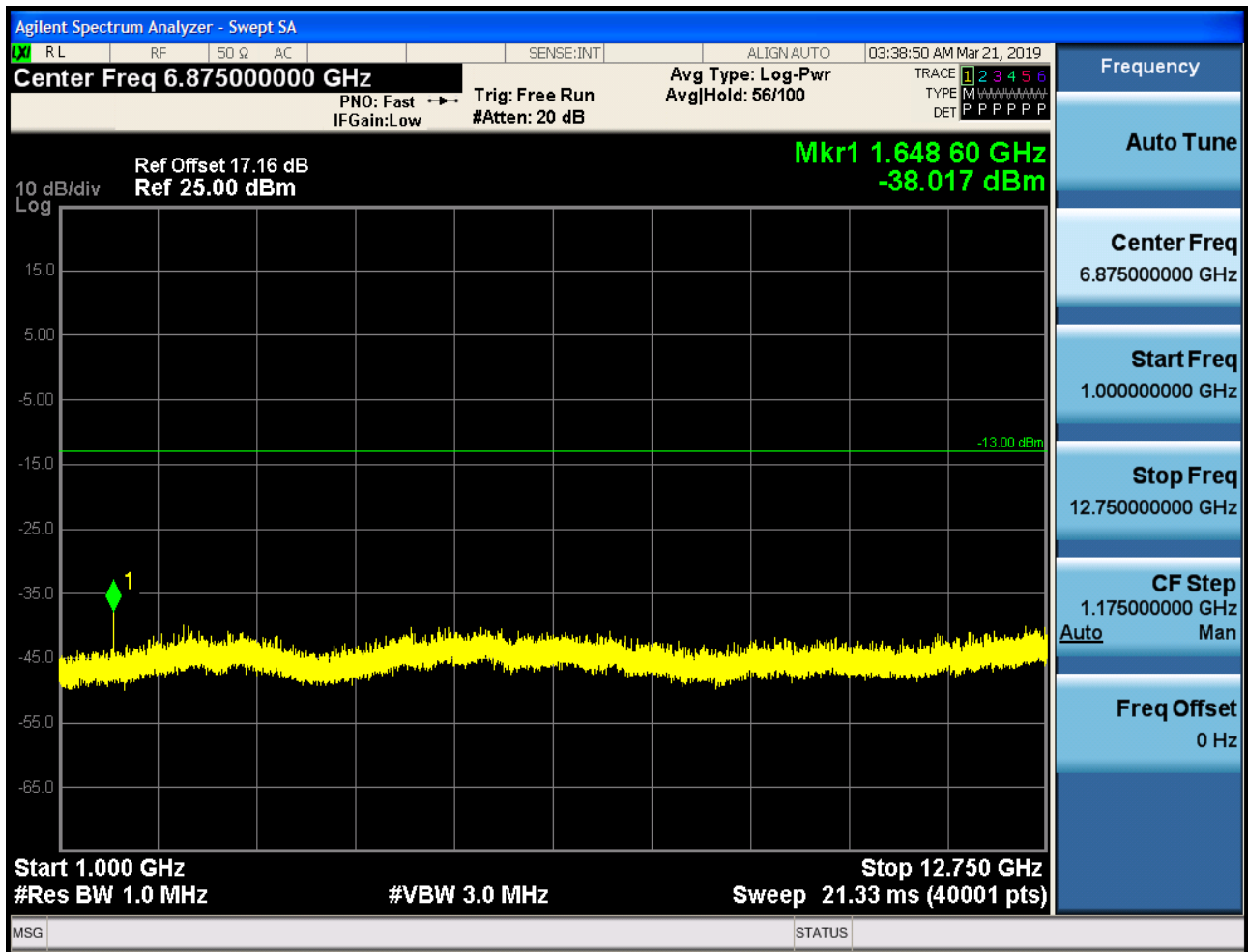
6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0



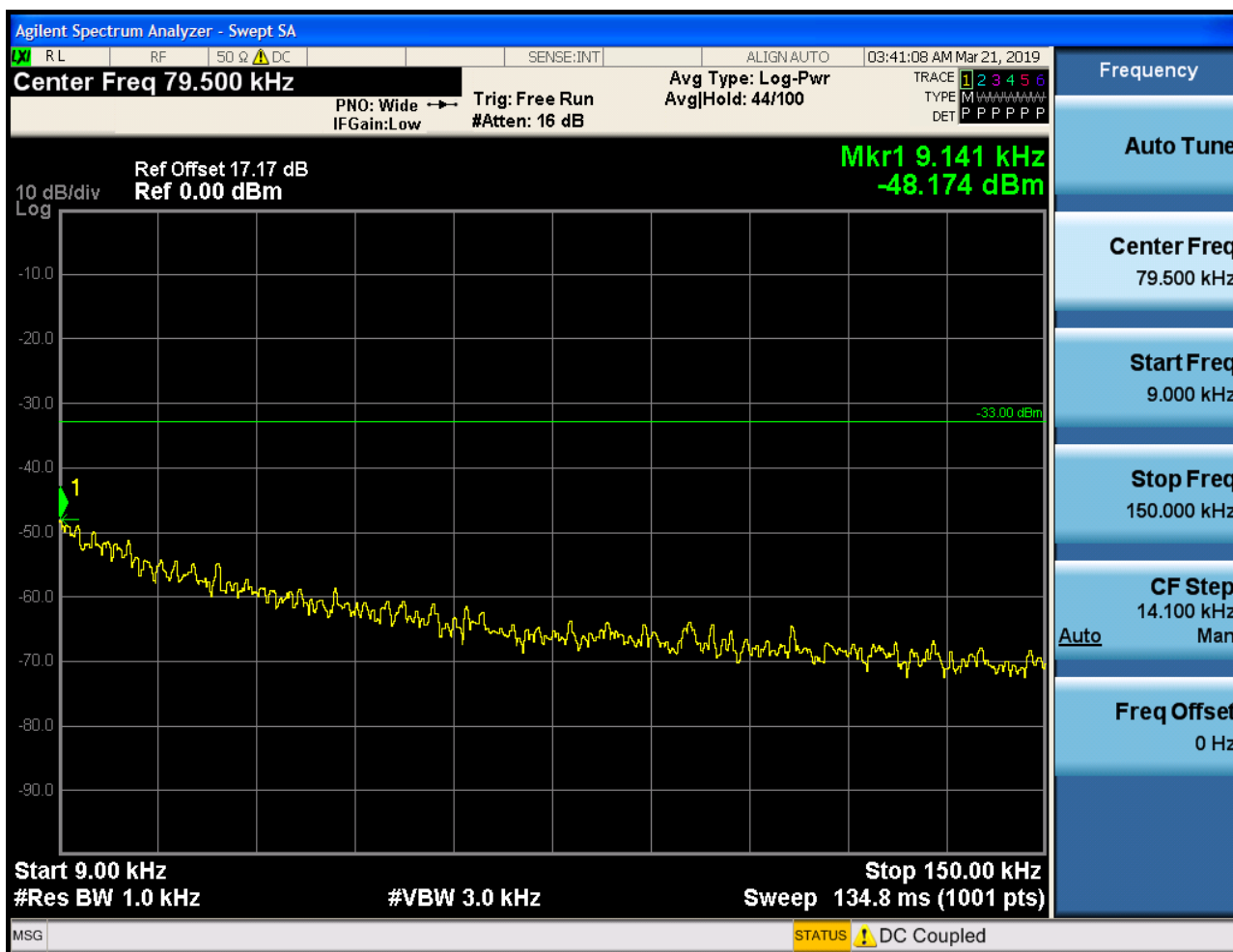


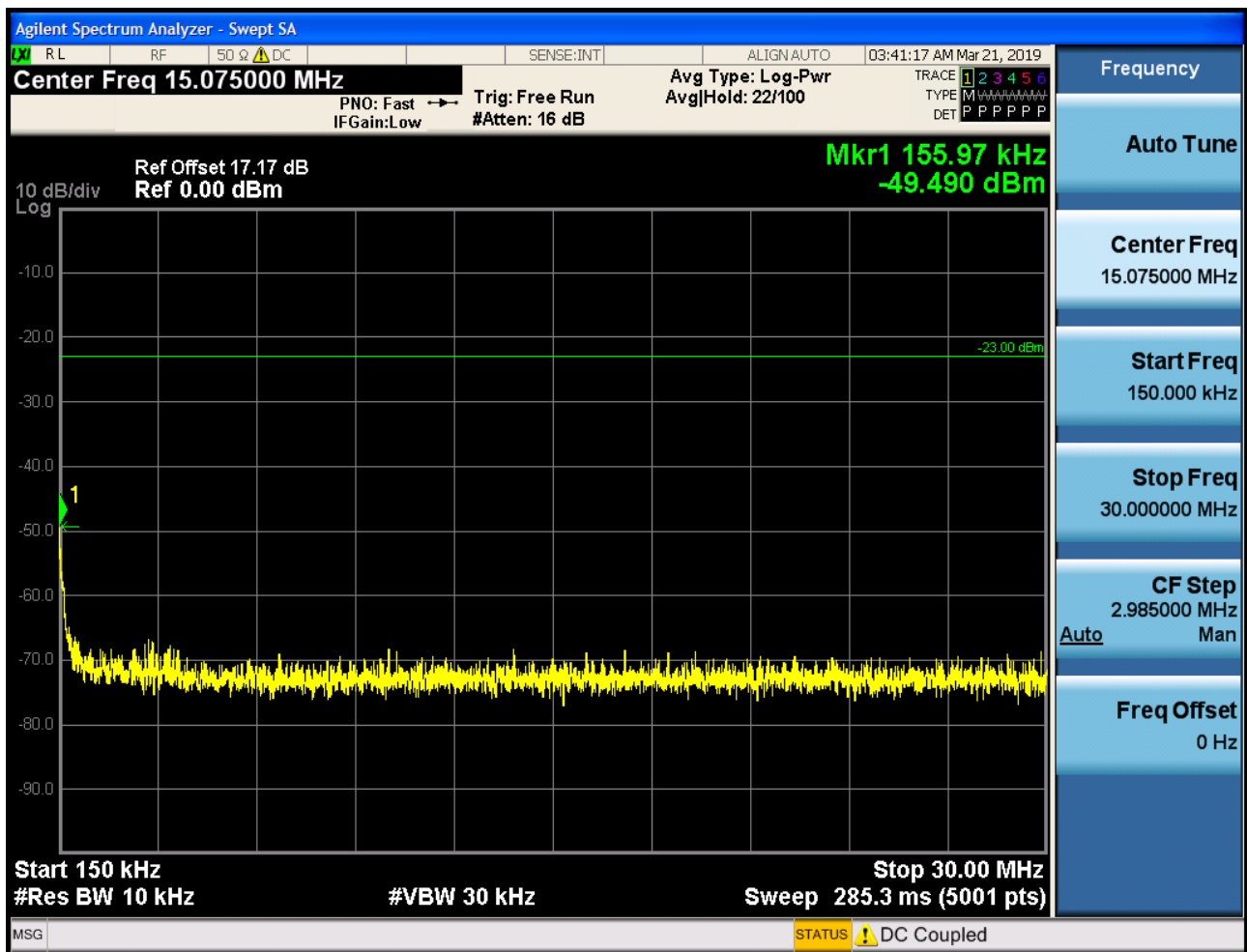


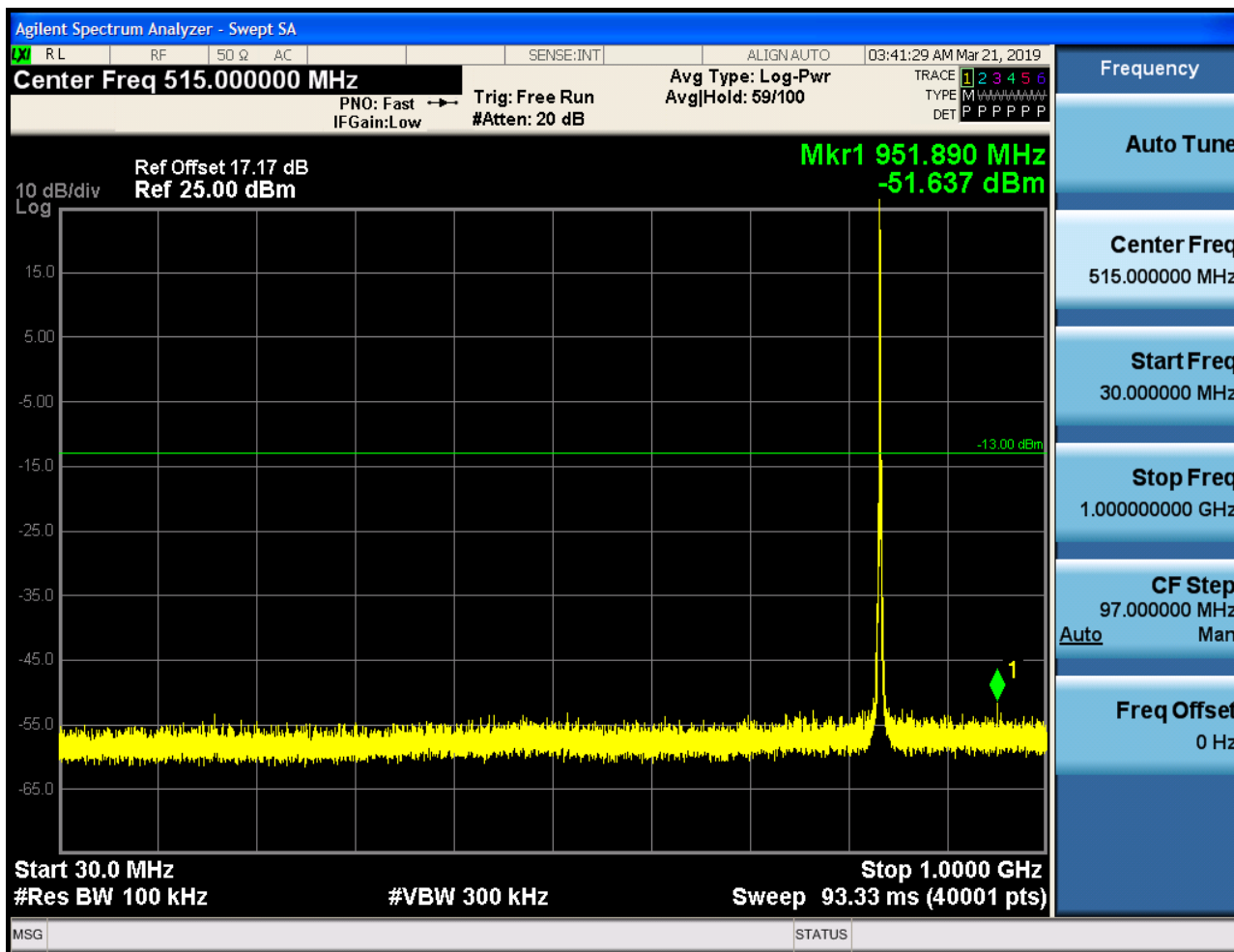


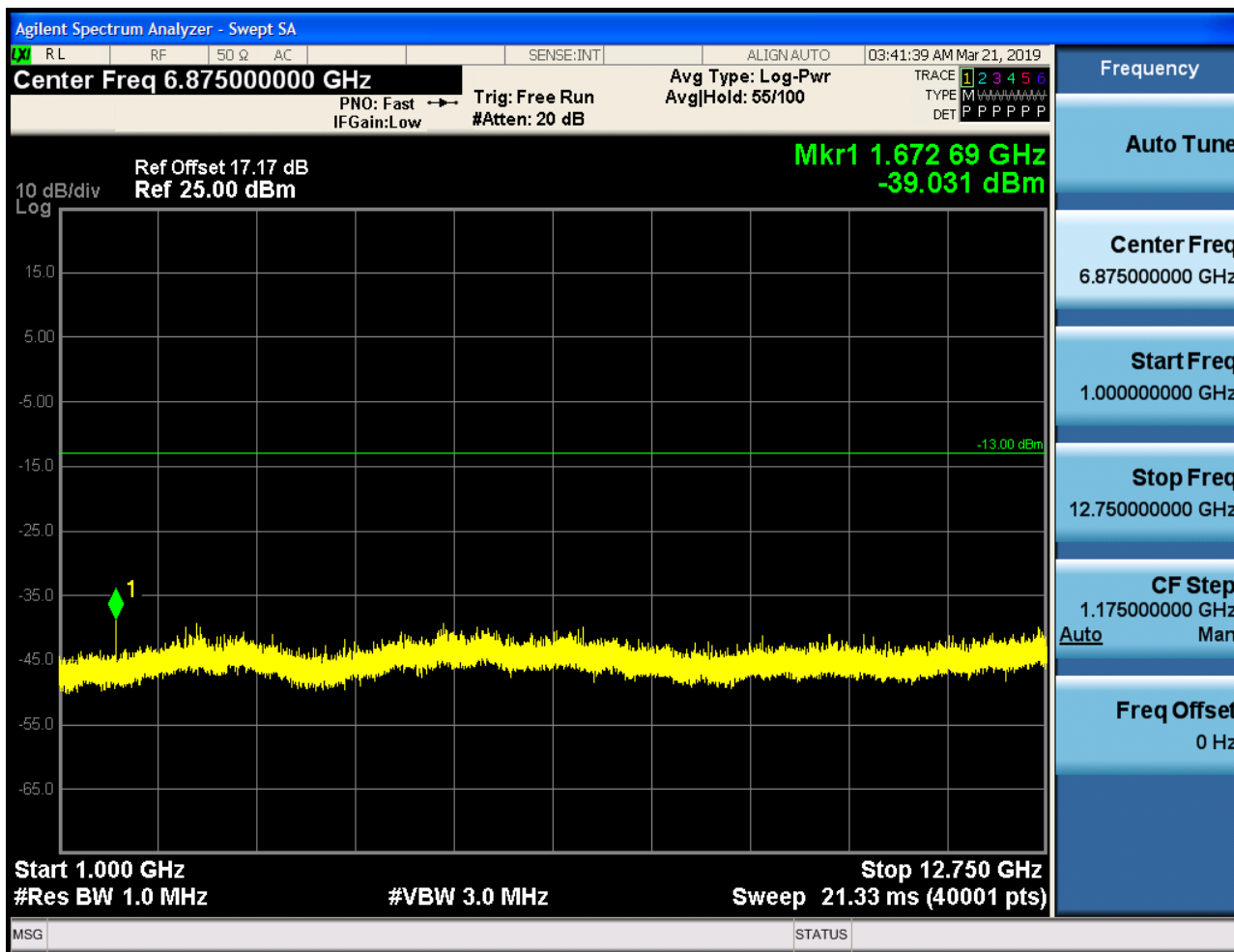
6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0





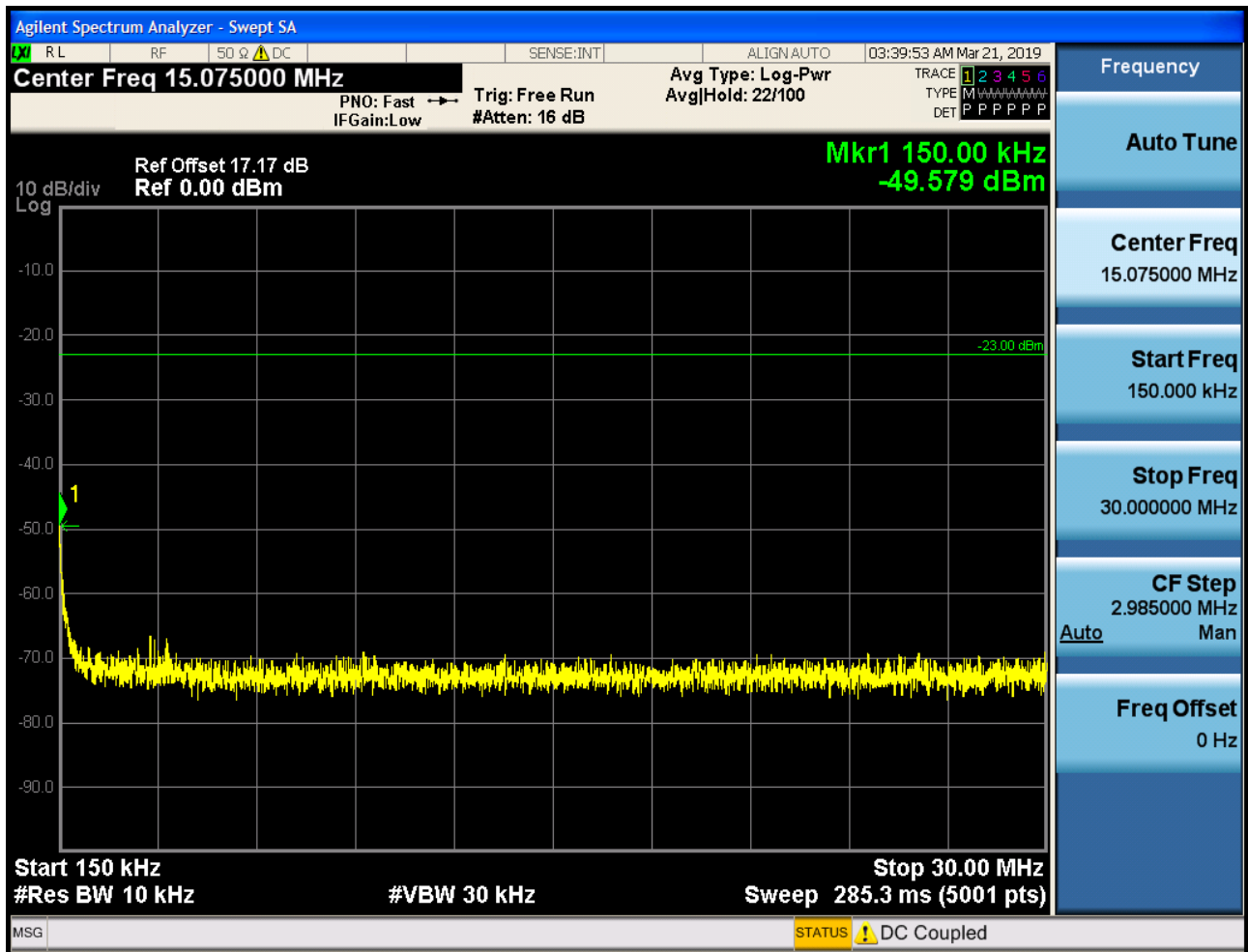


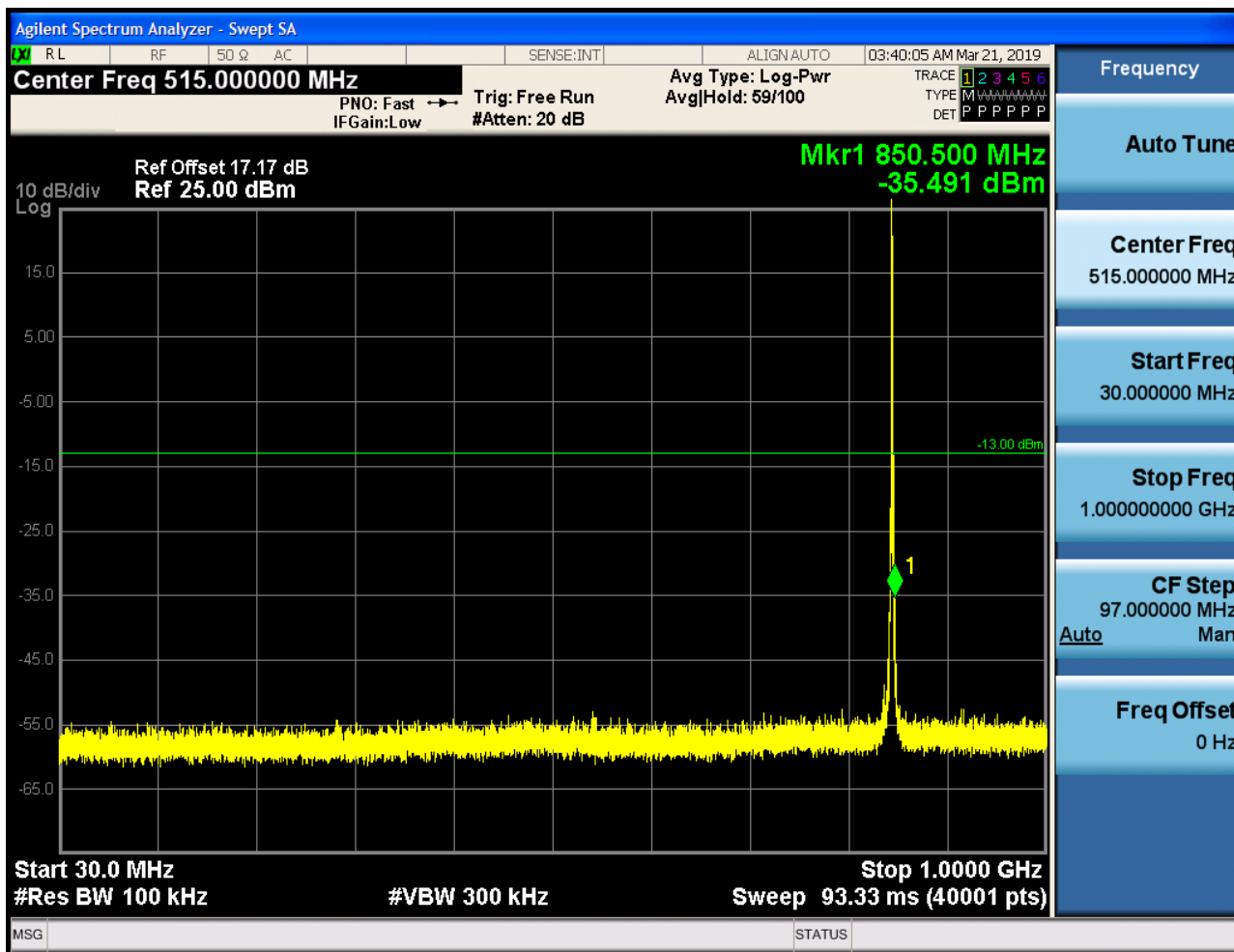


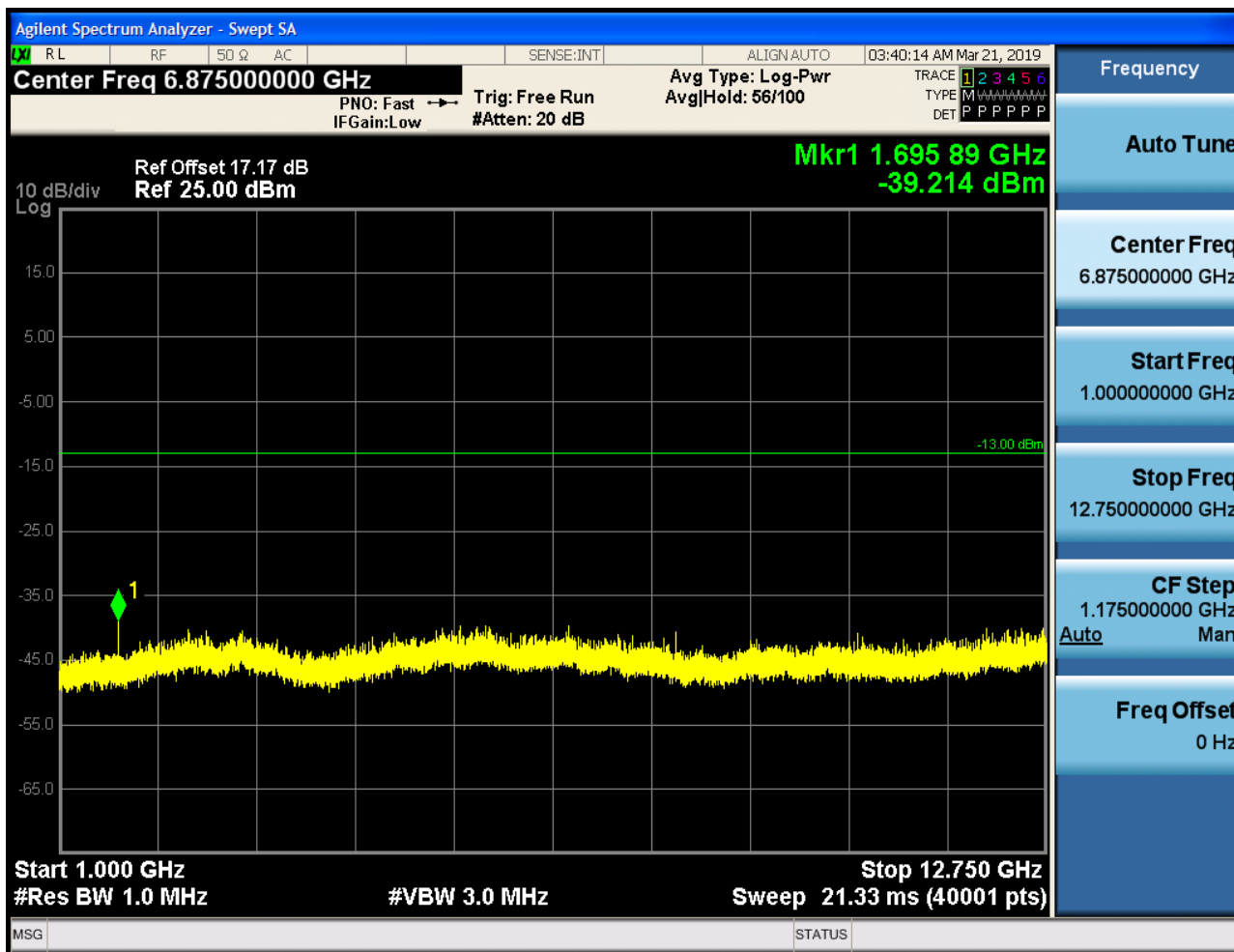
6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0





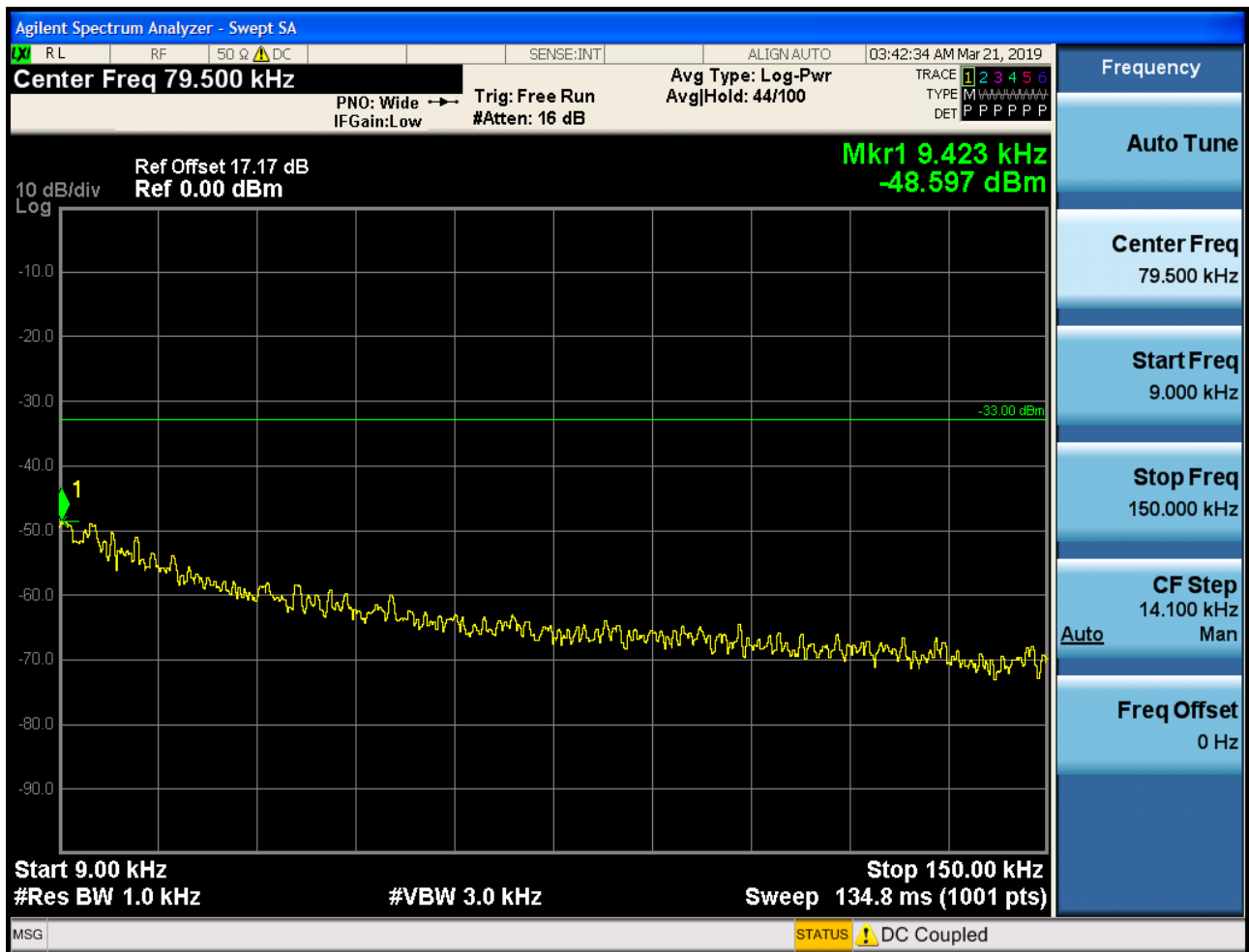


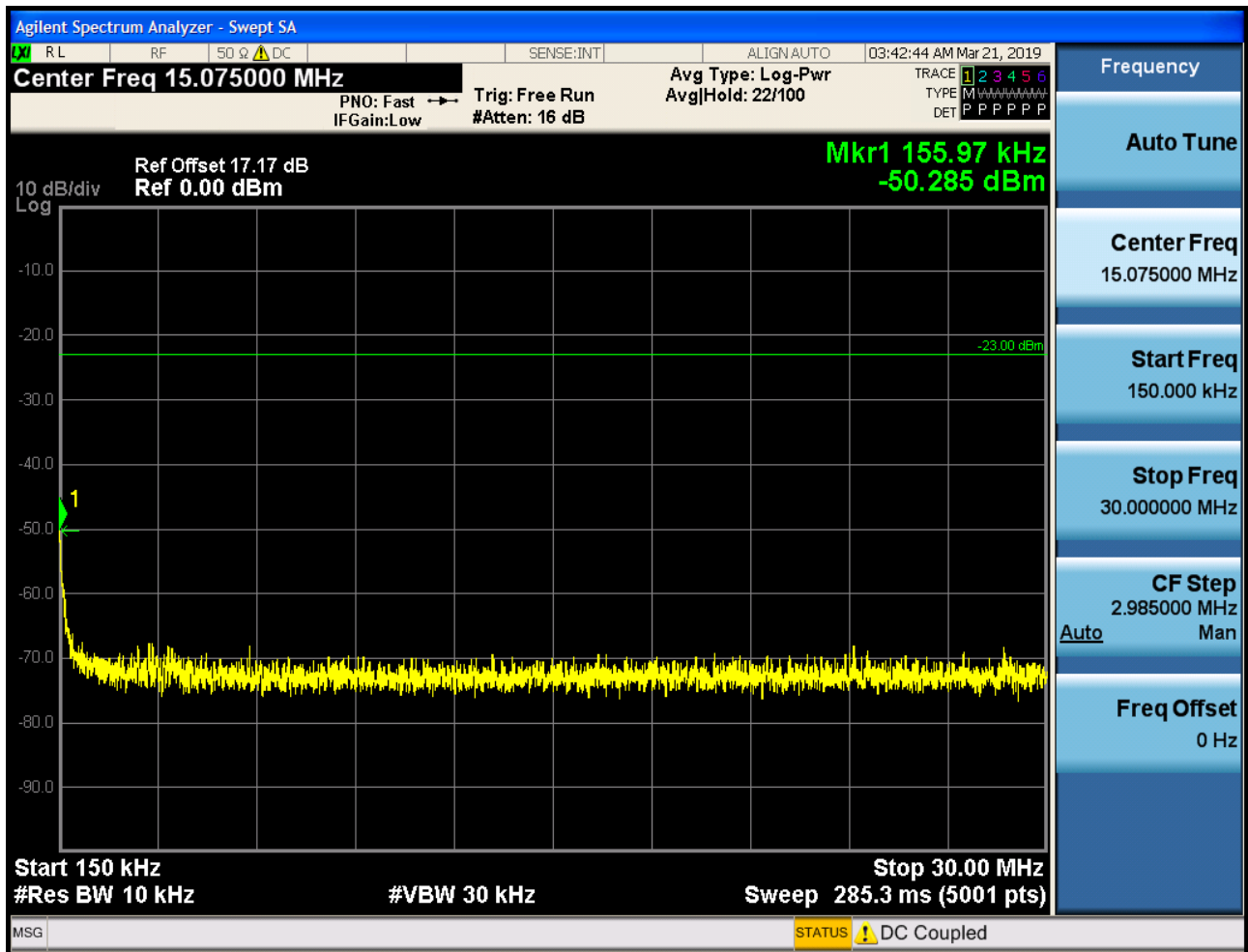


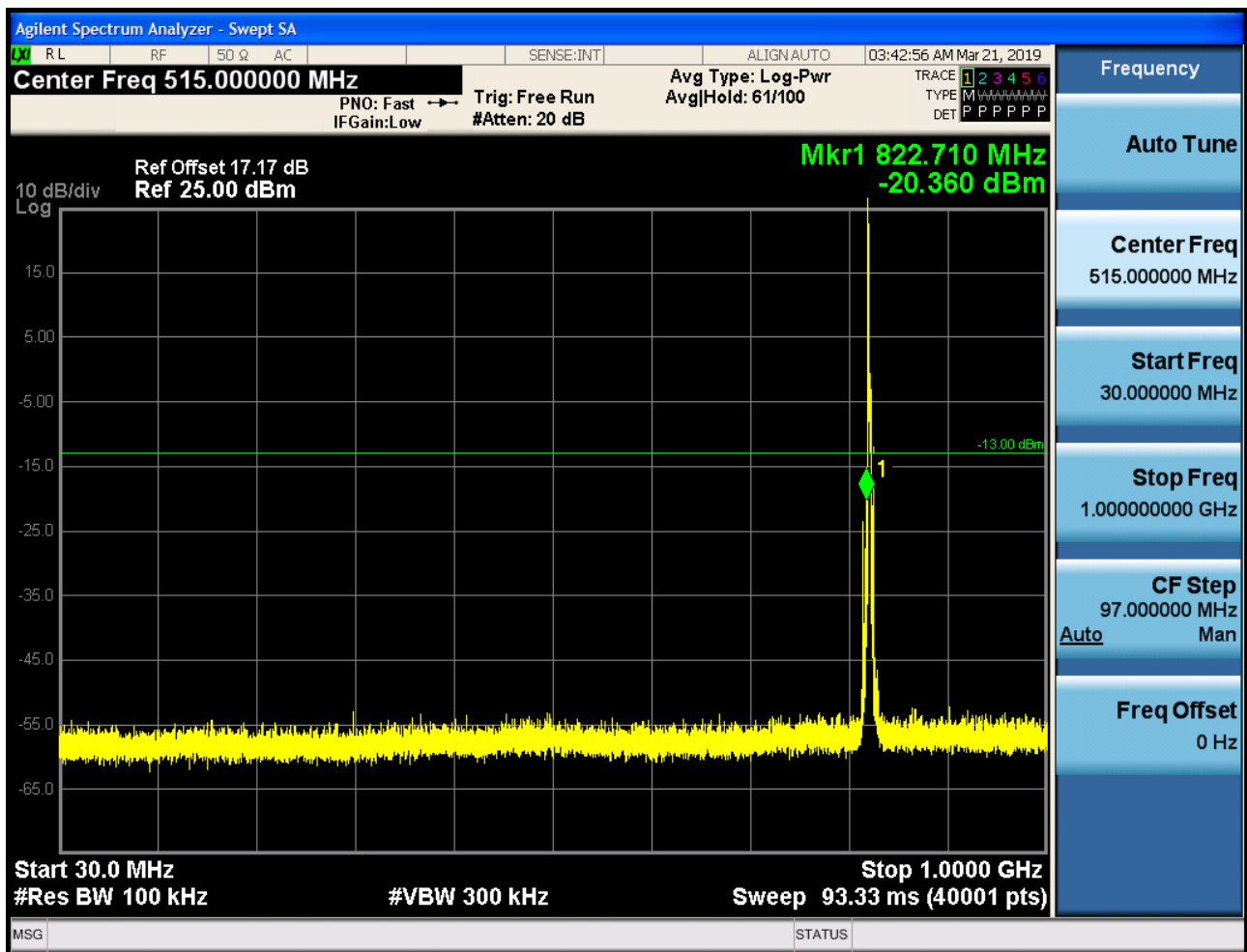
6.2.1.2.2 Test Bandwidth = 3

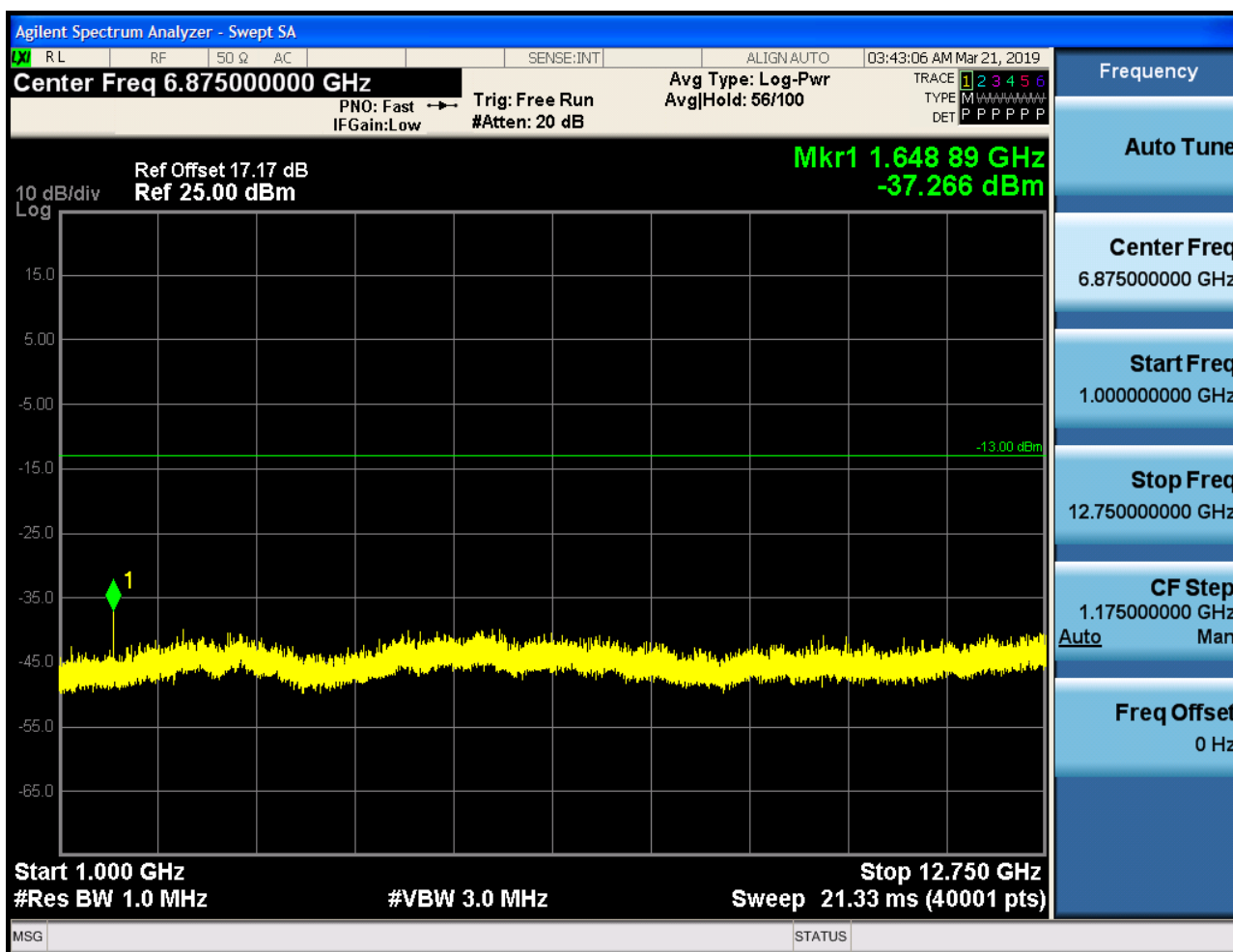
6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0





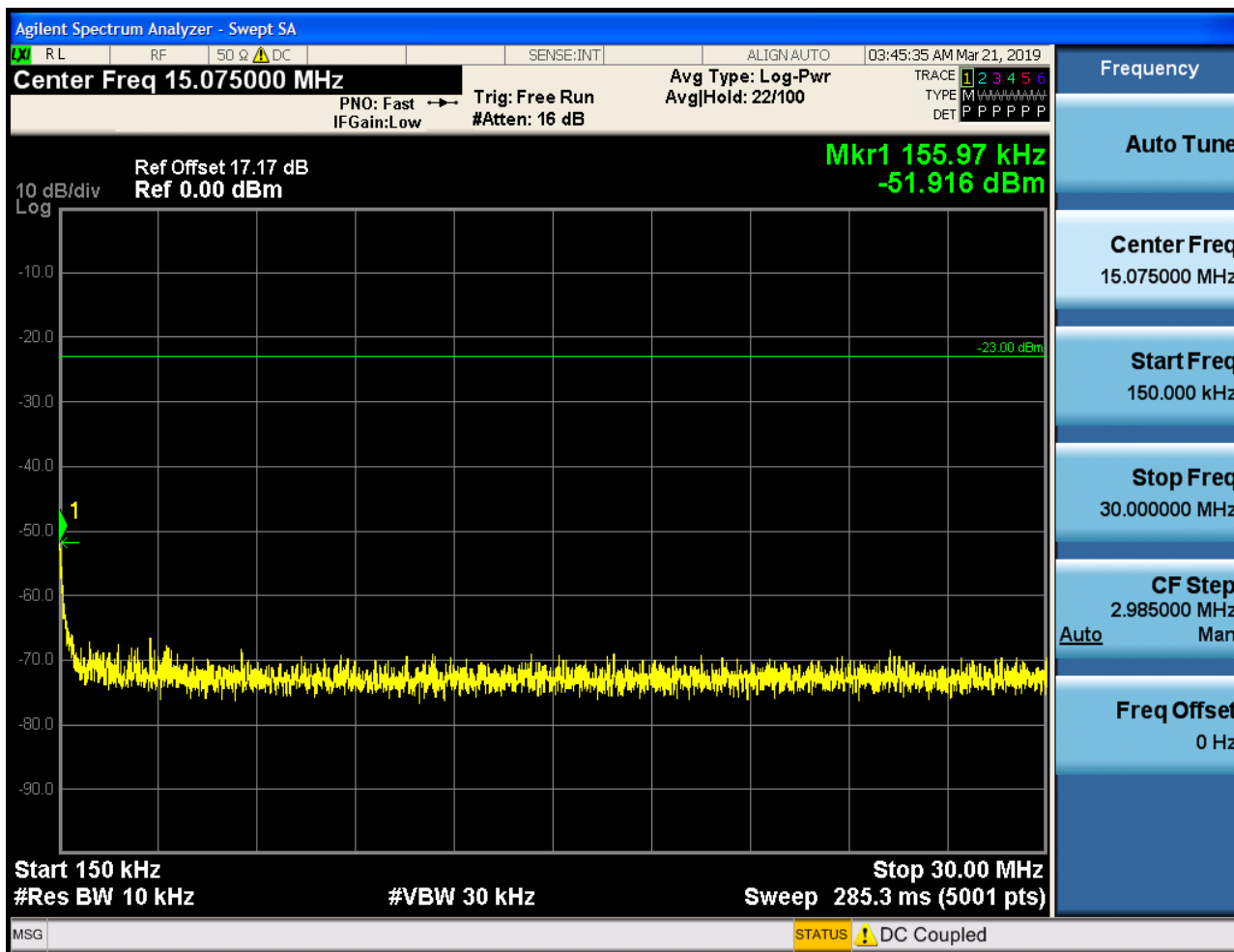


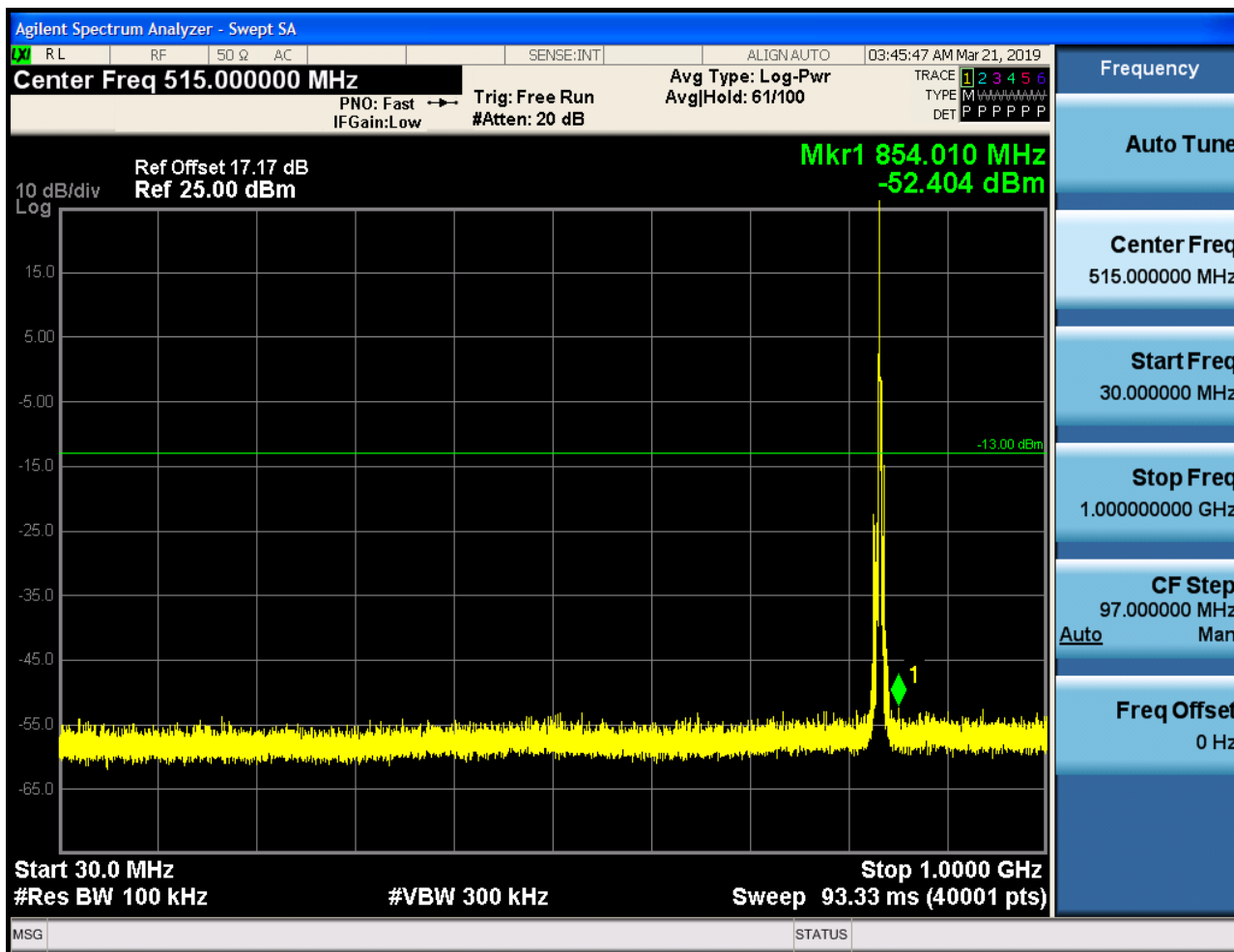


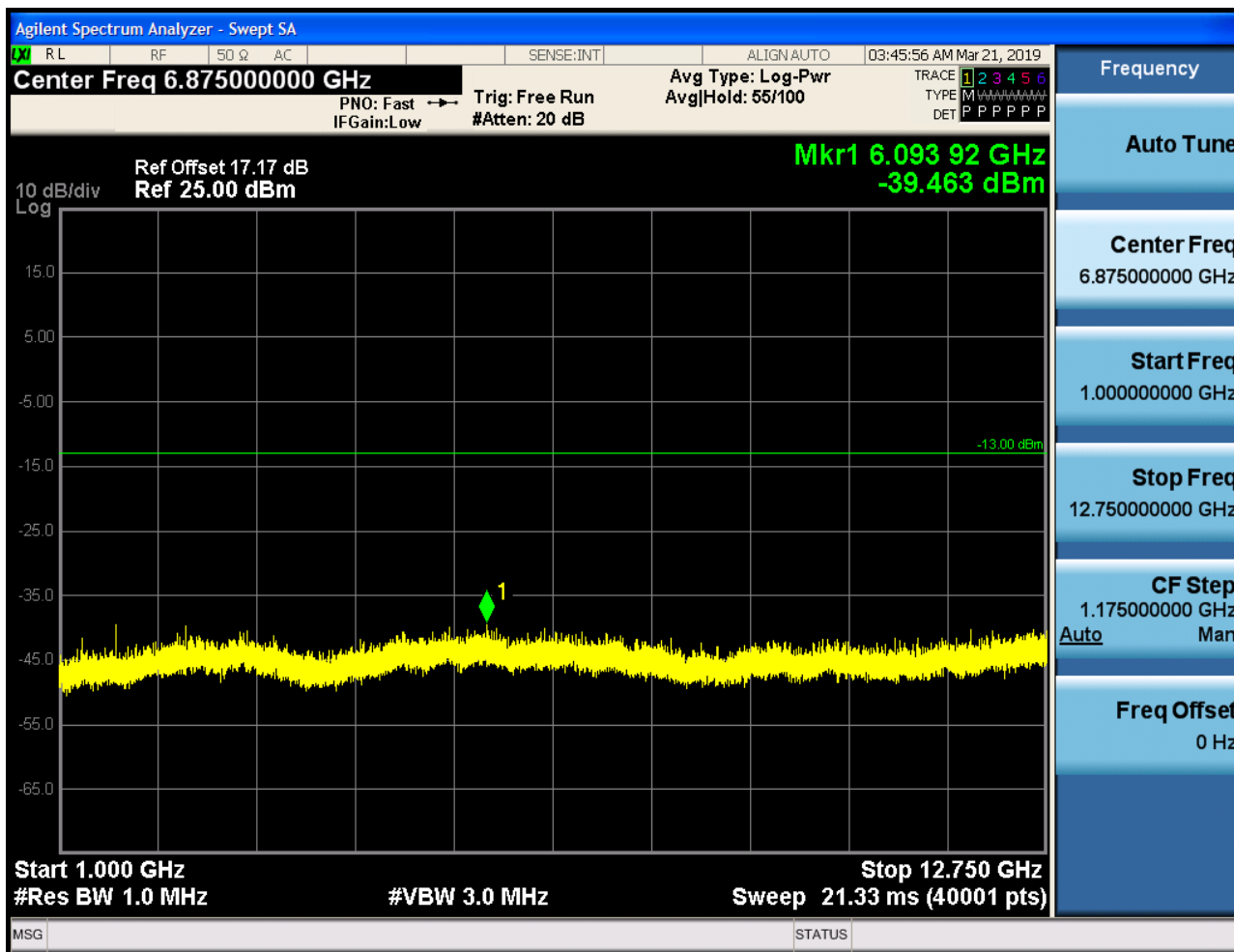
6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0



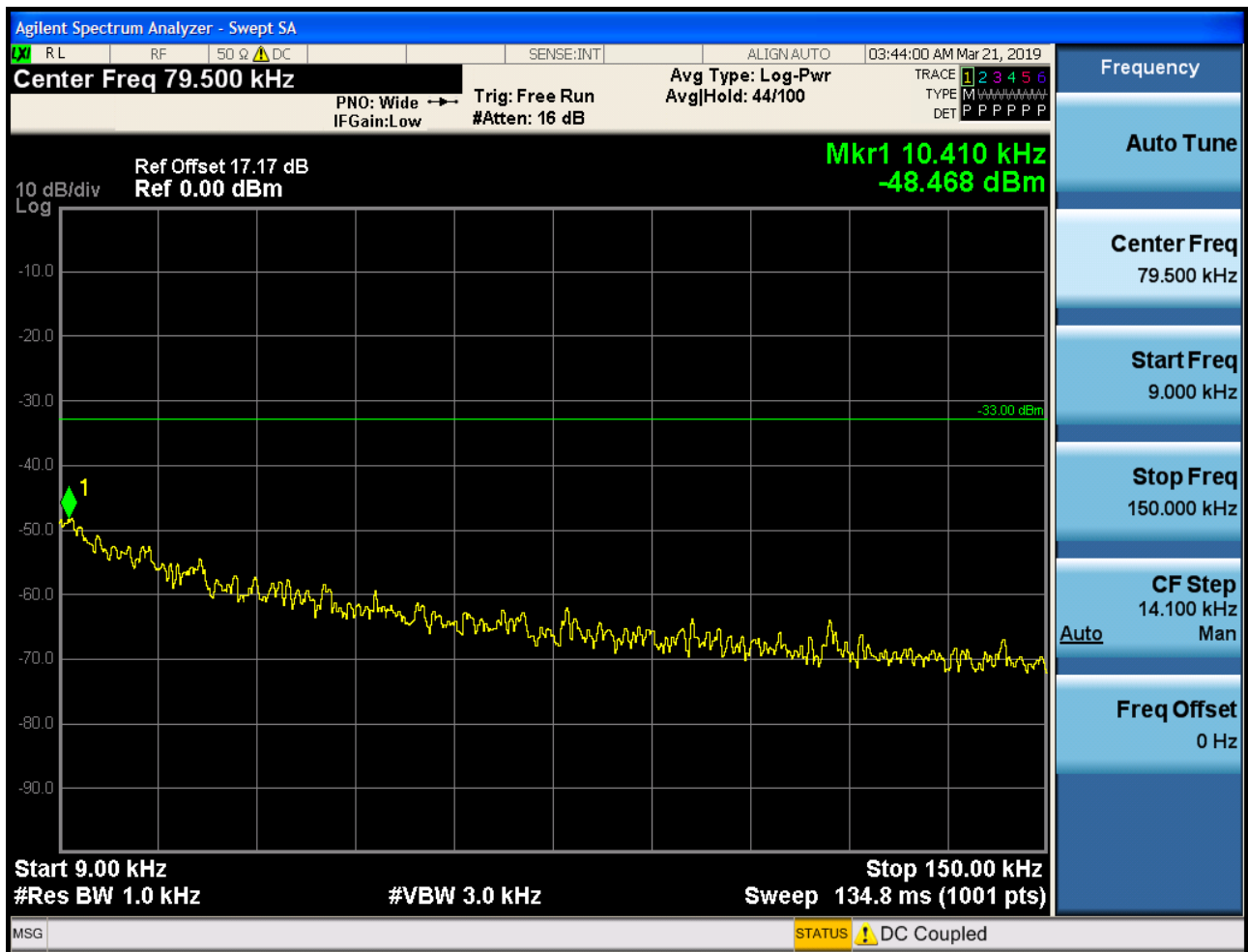


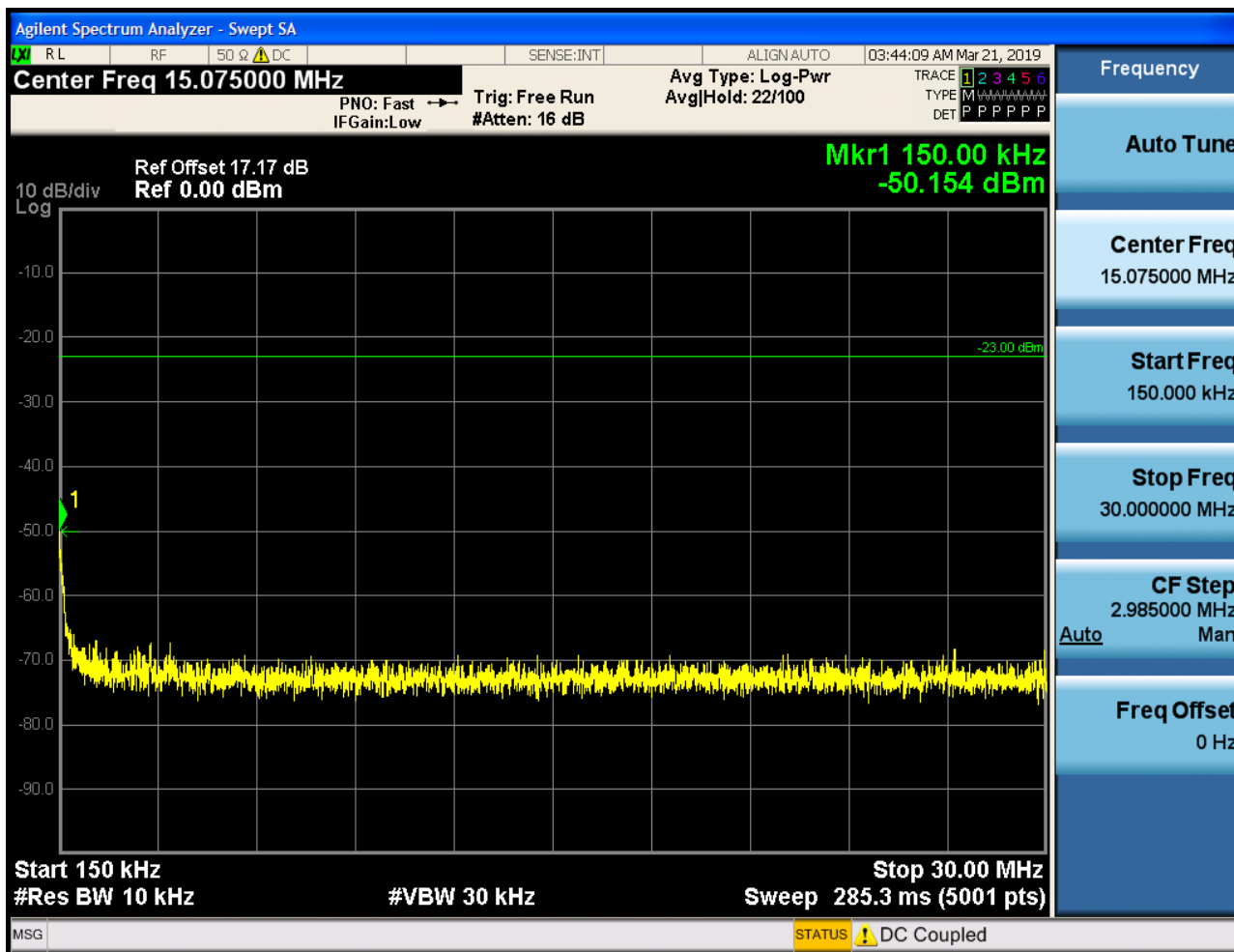


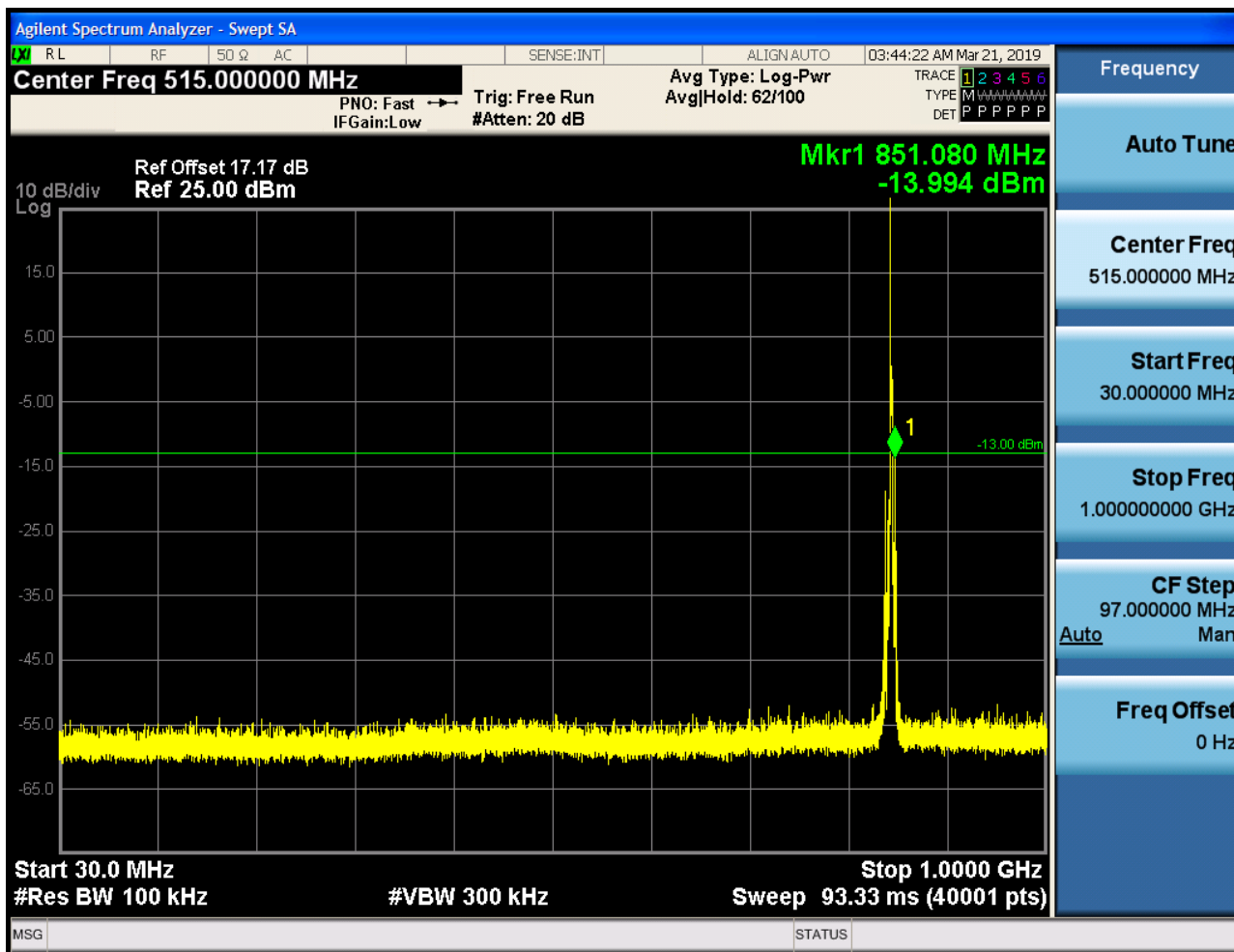


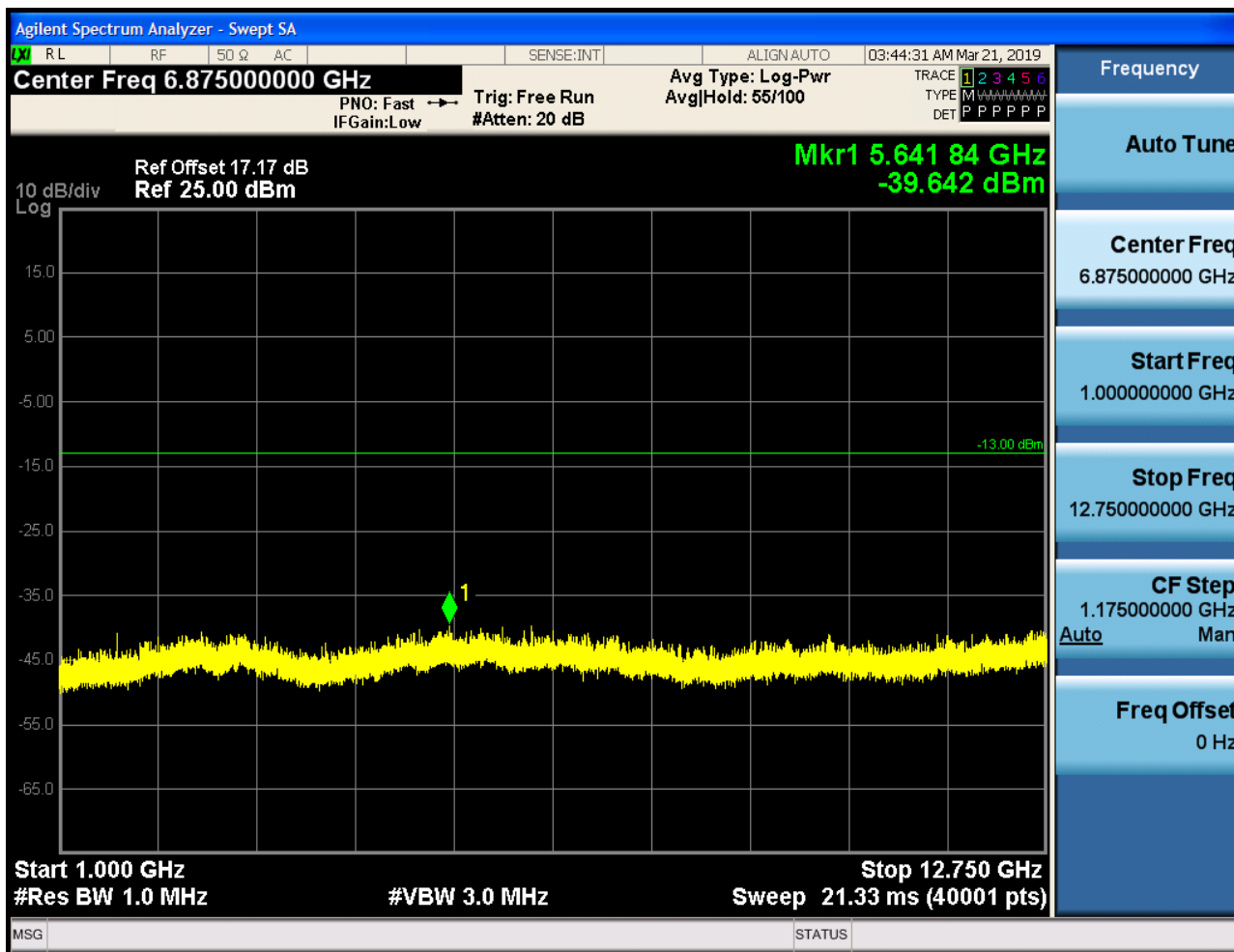
6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0





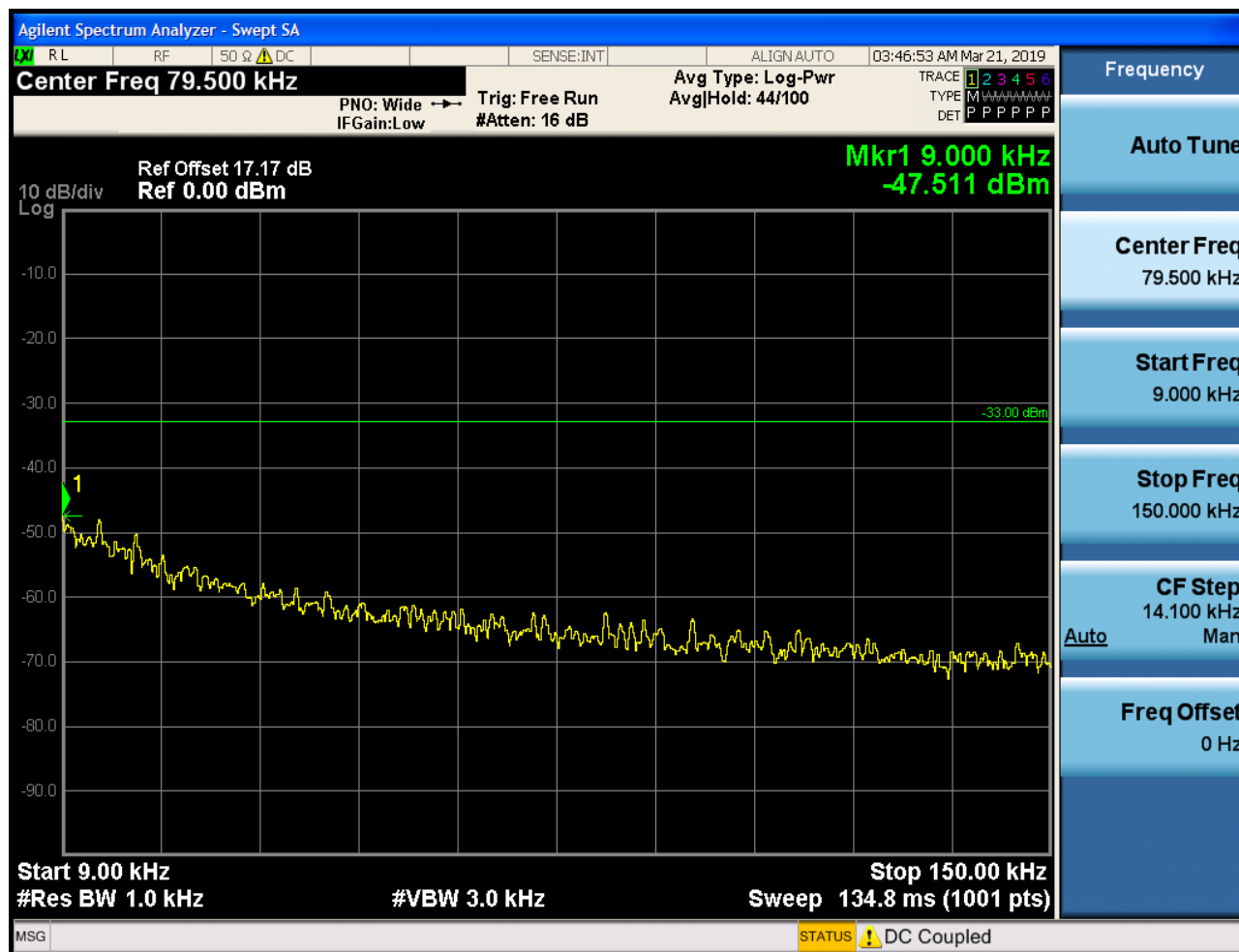


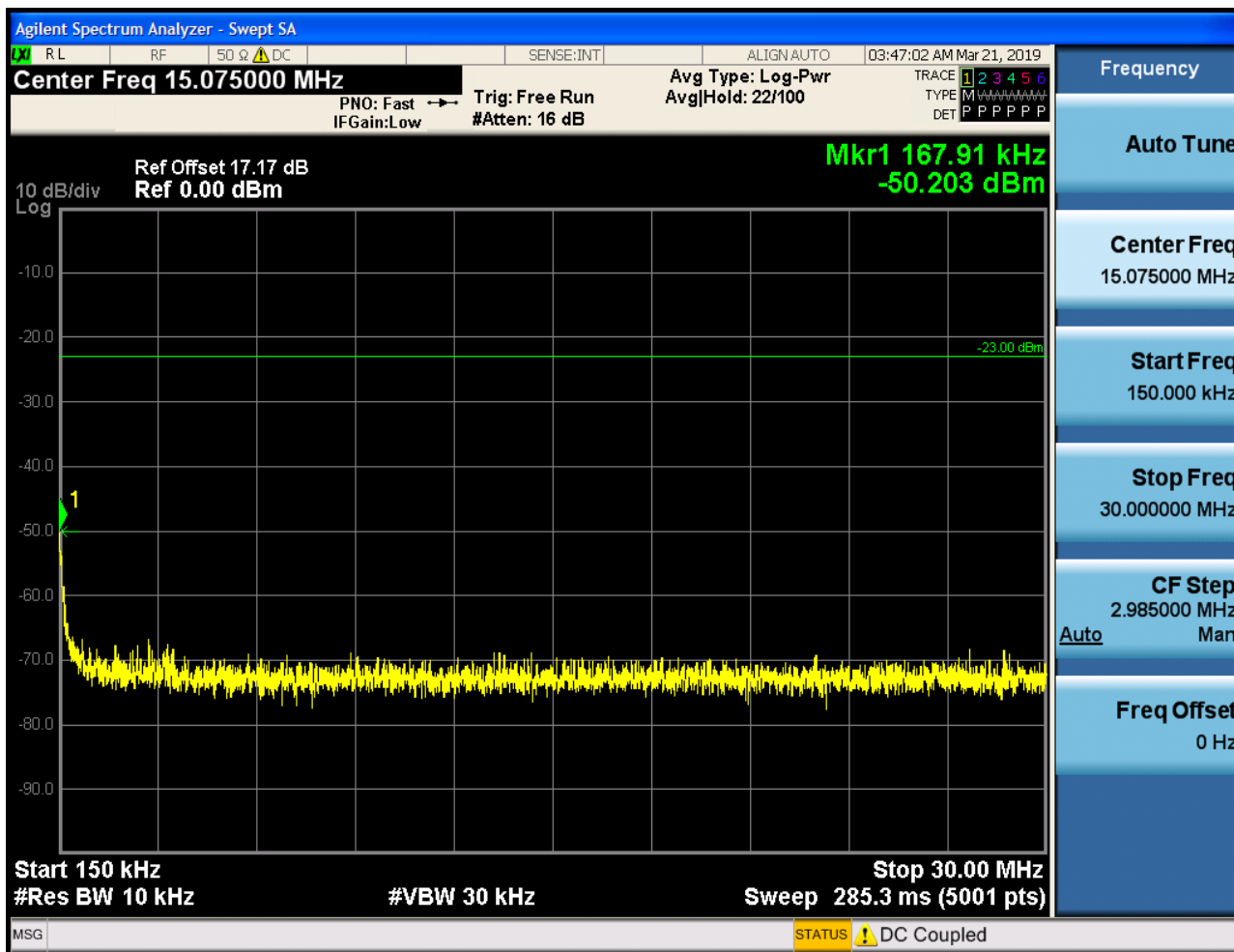


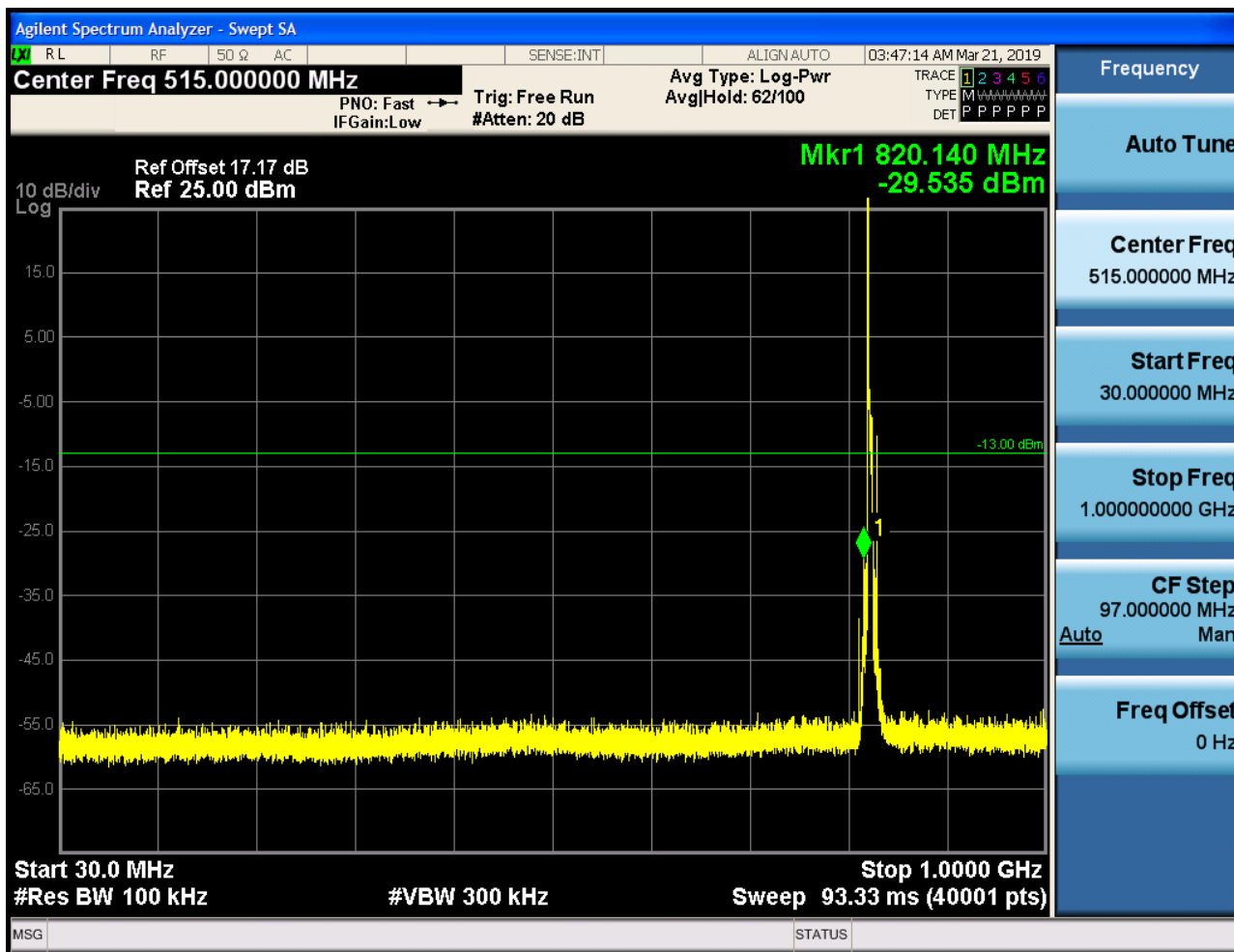
6.2.1.2.3 Test Bandwidth = 5

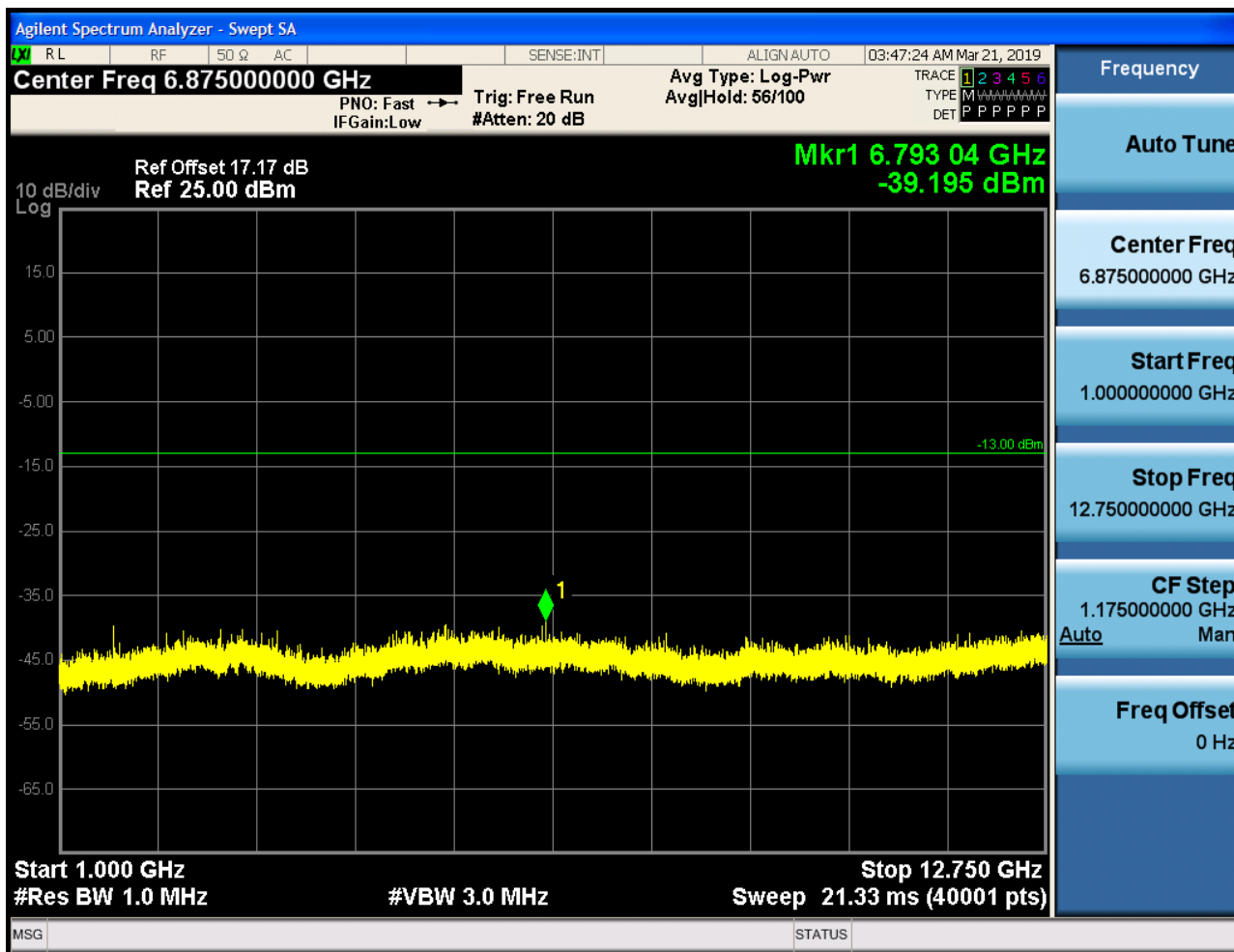
6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0



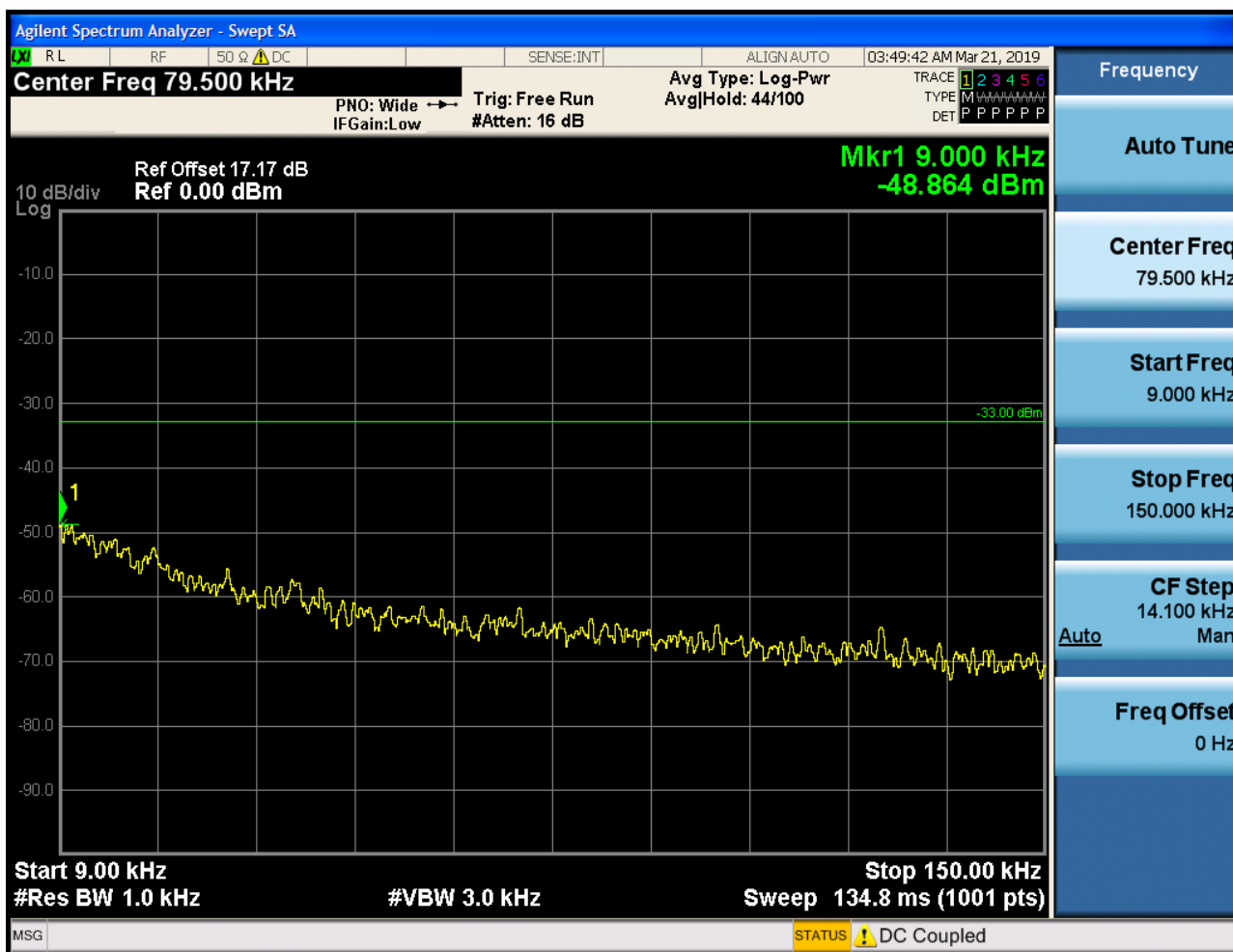


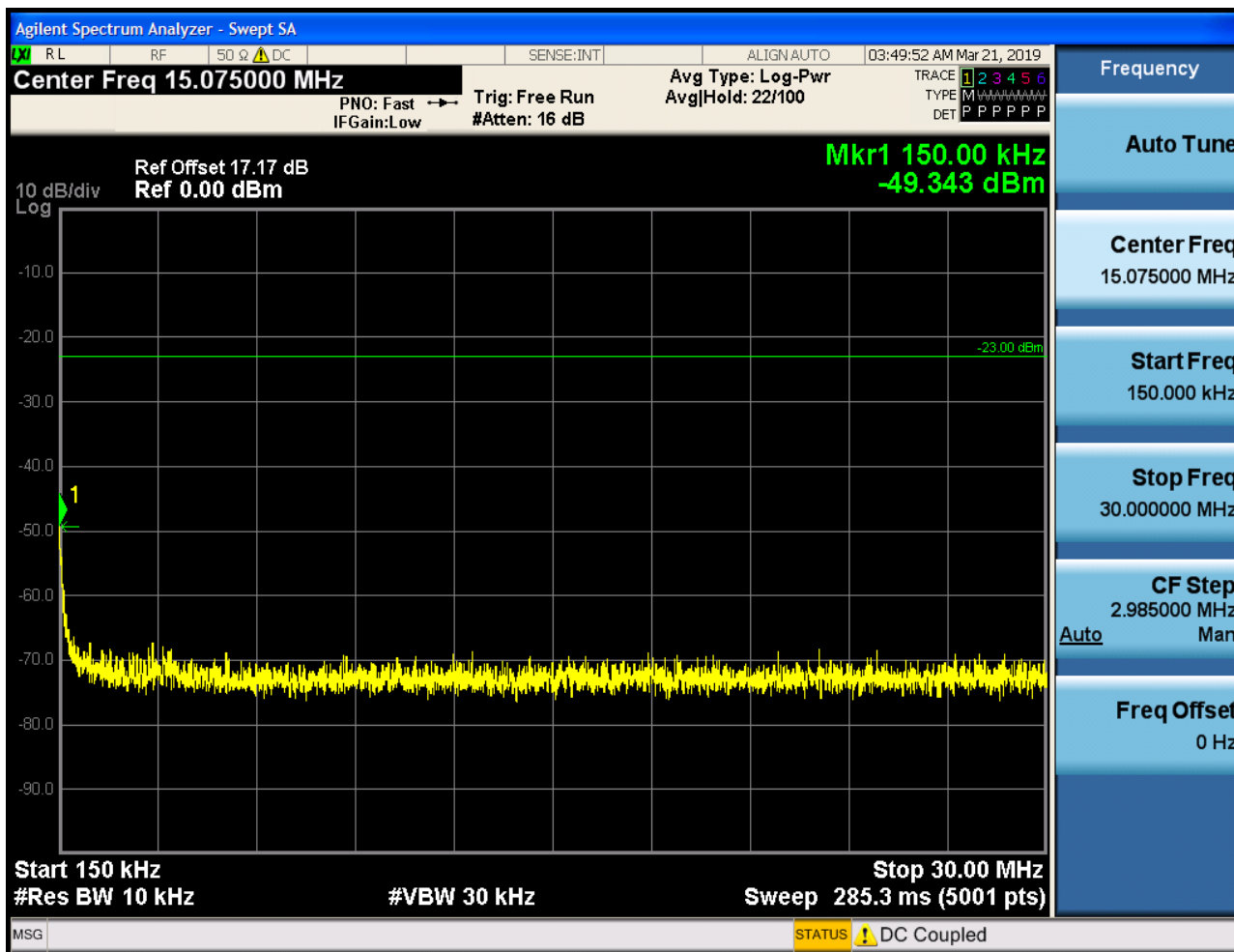


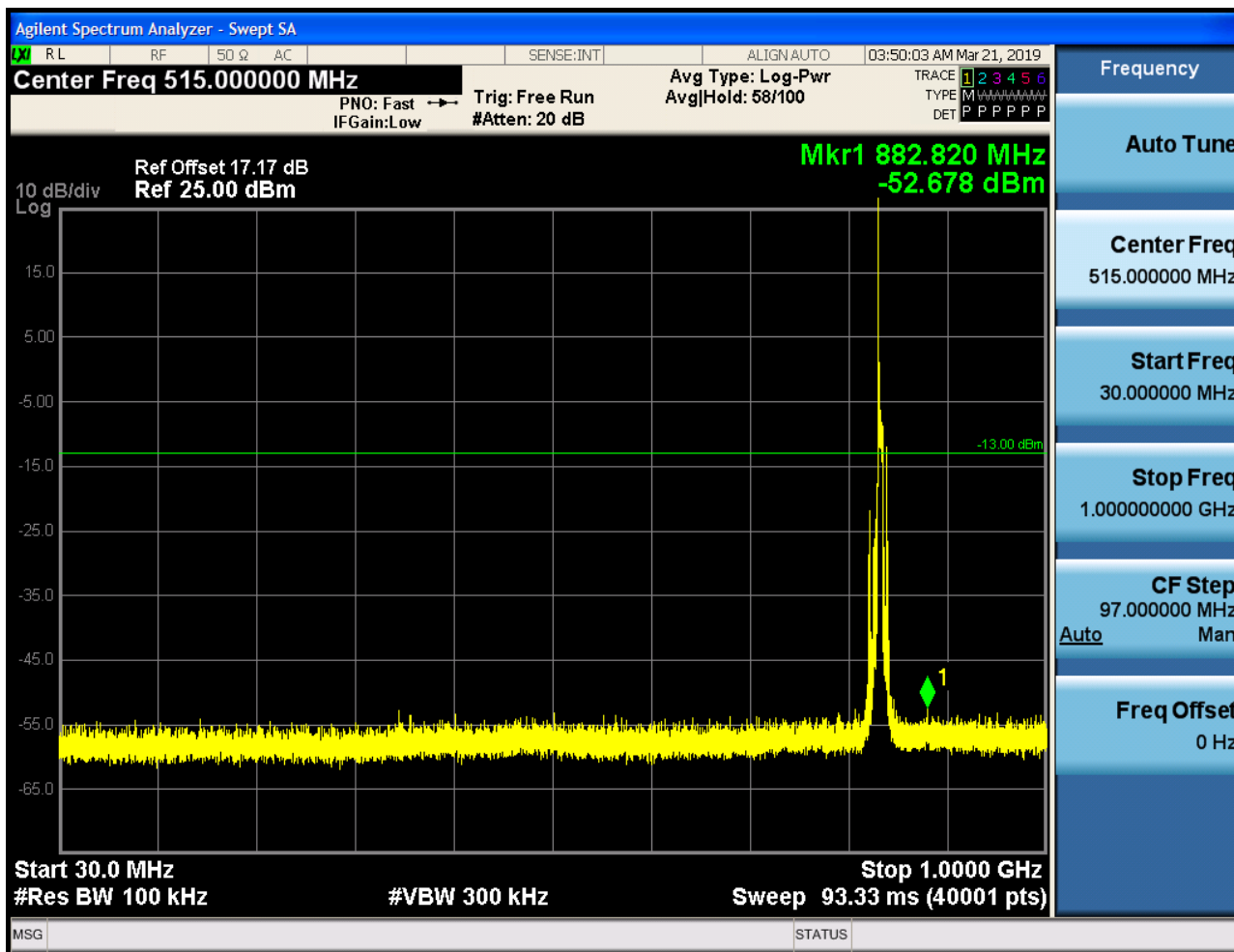


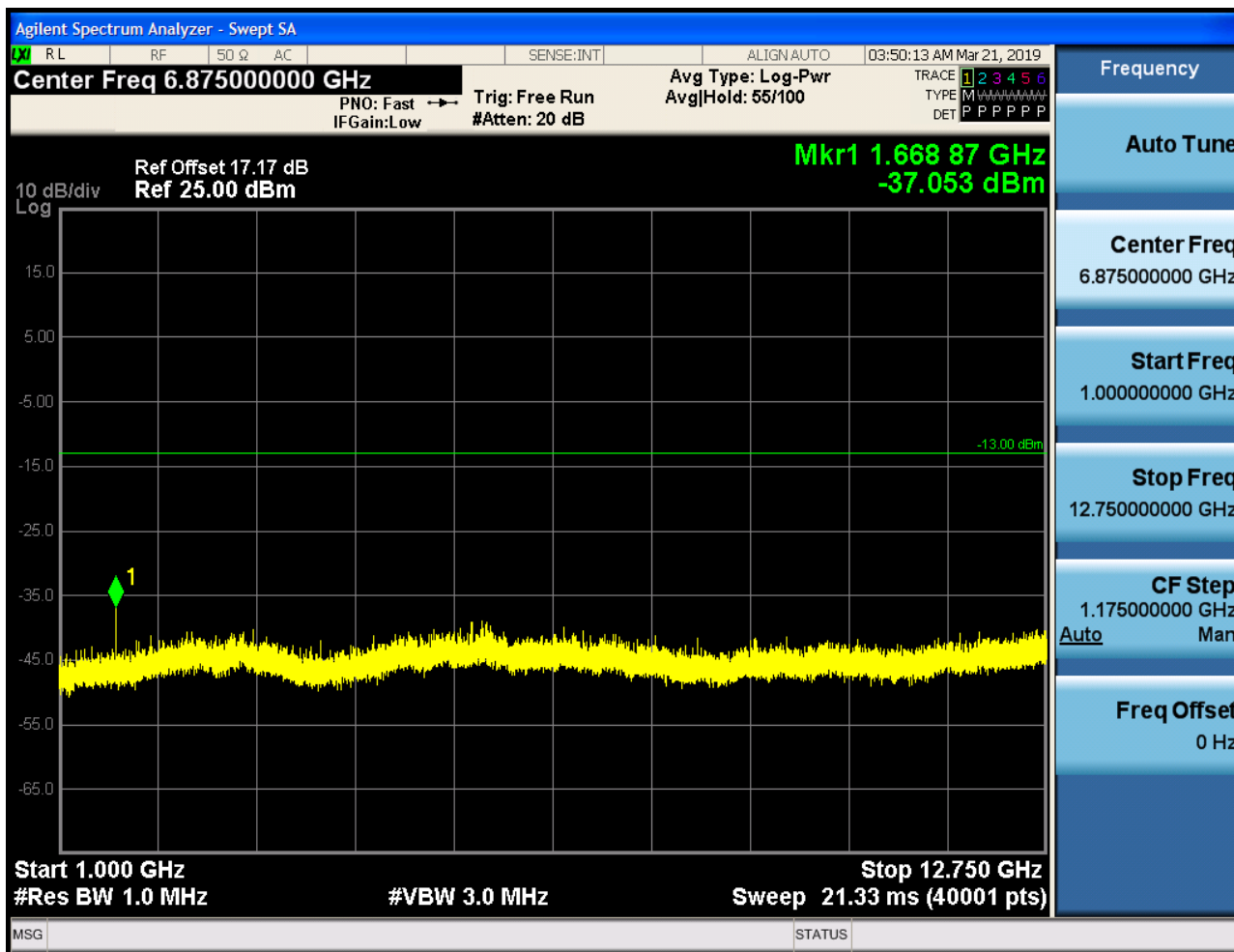
6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0



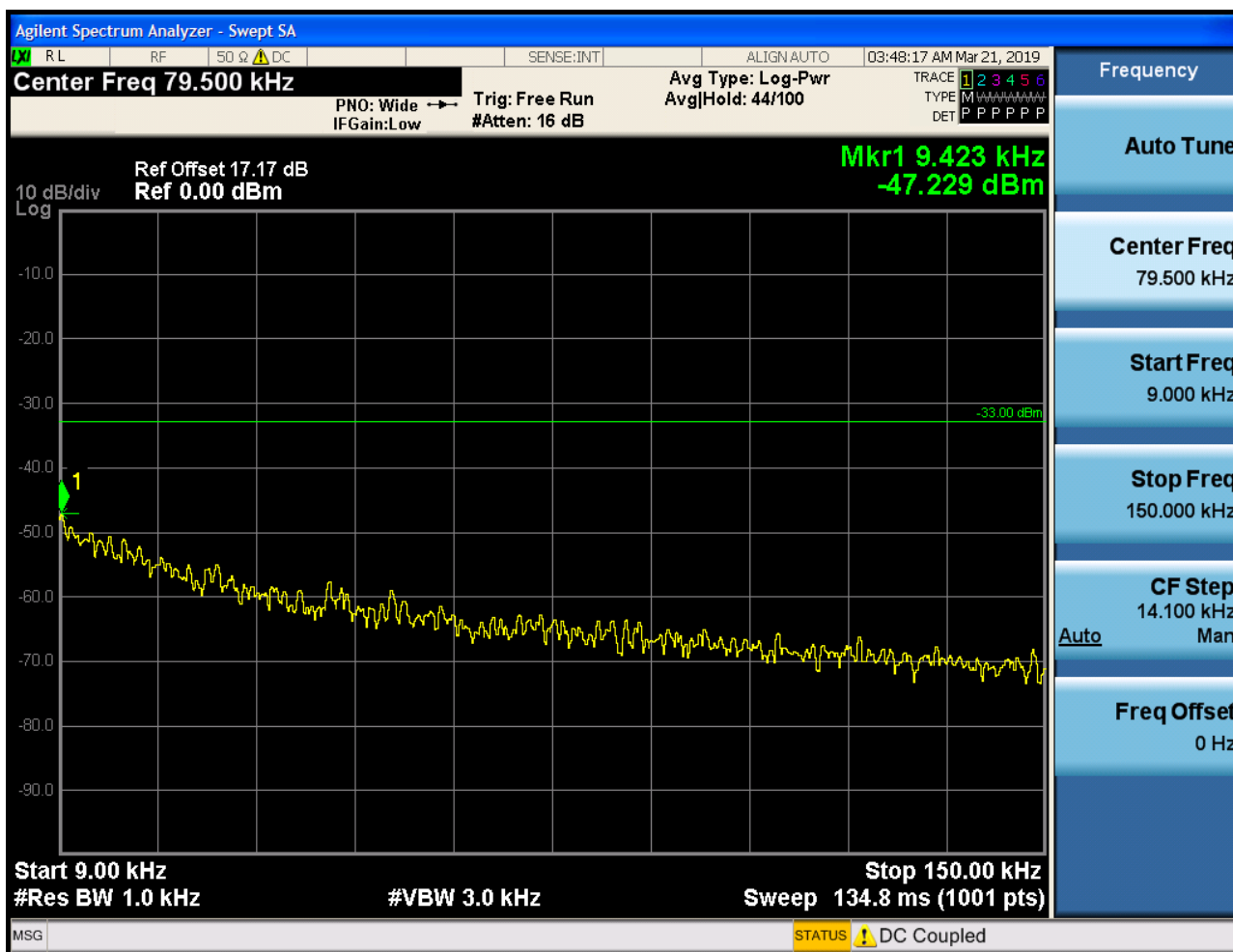


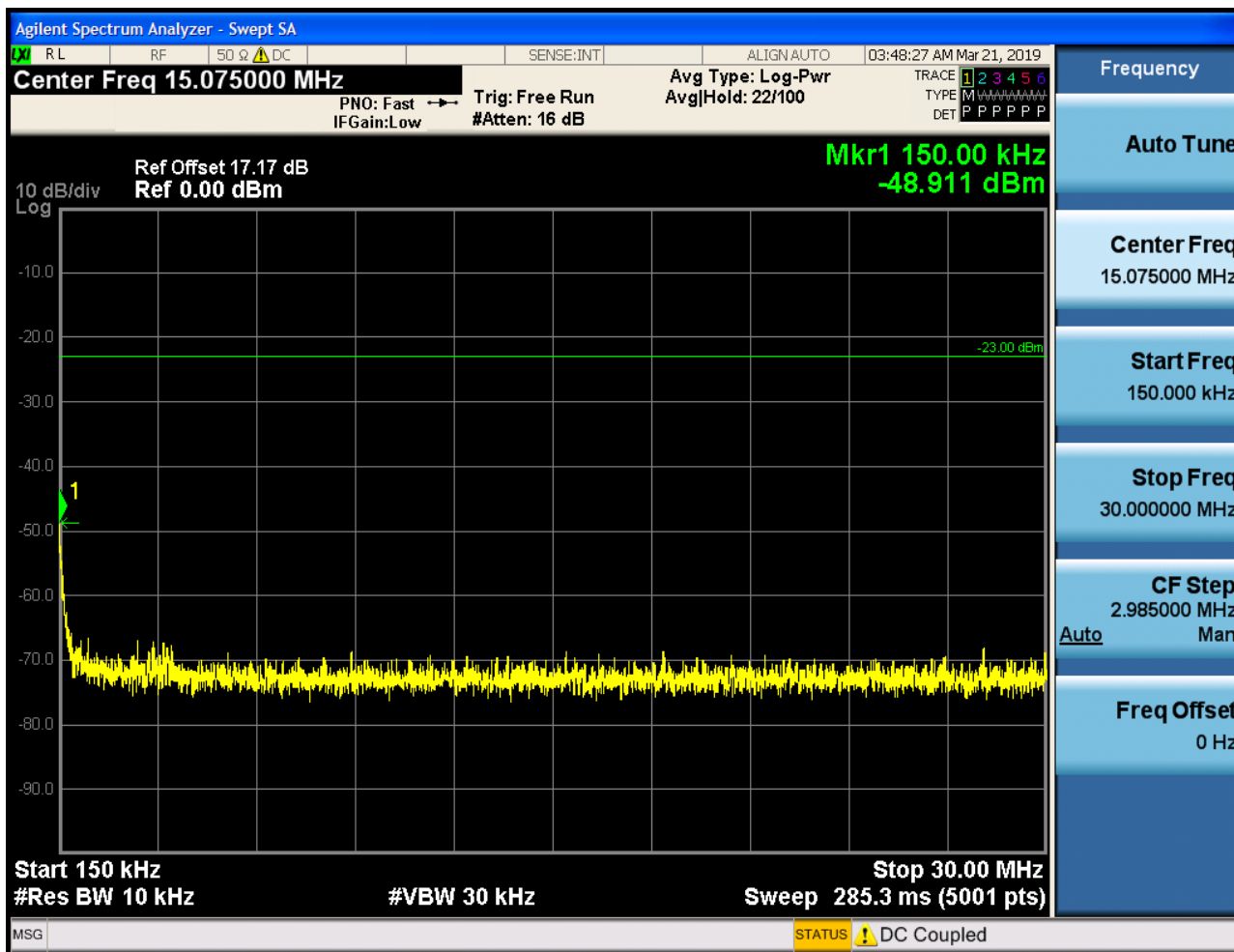


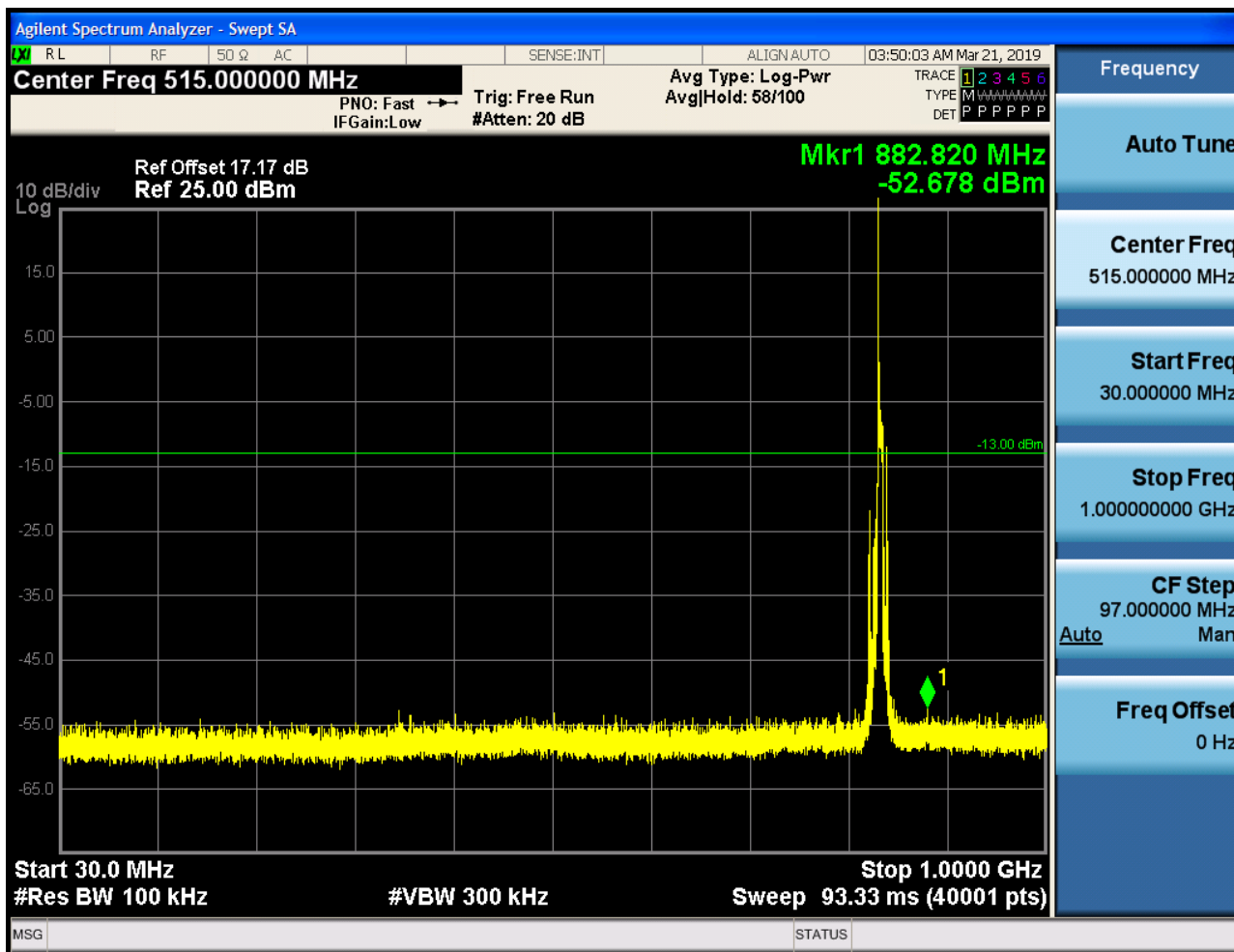


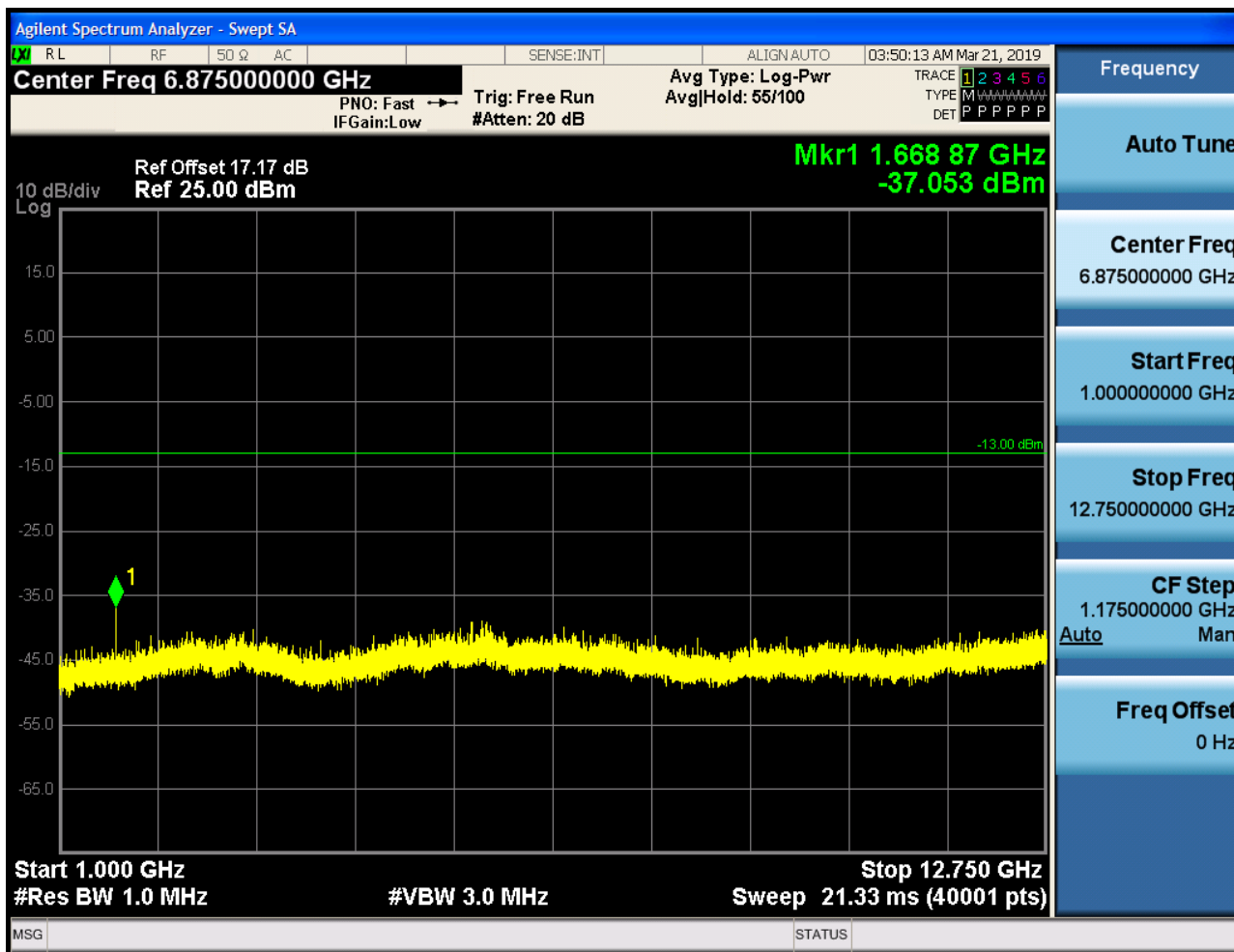
6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0





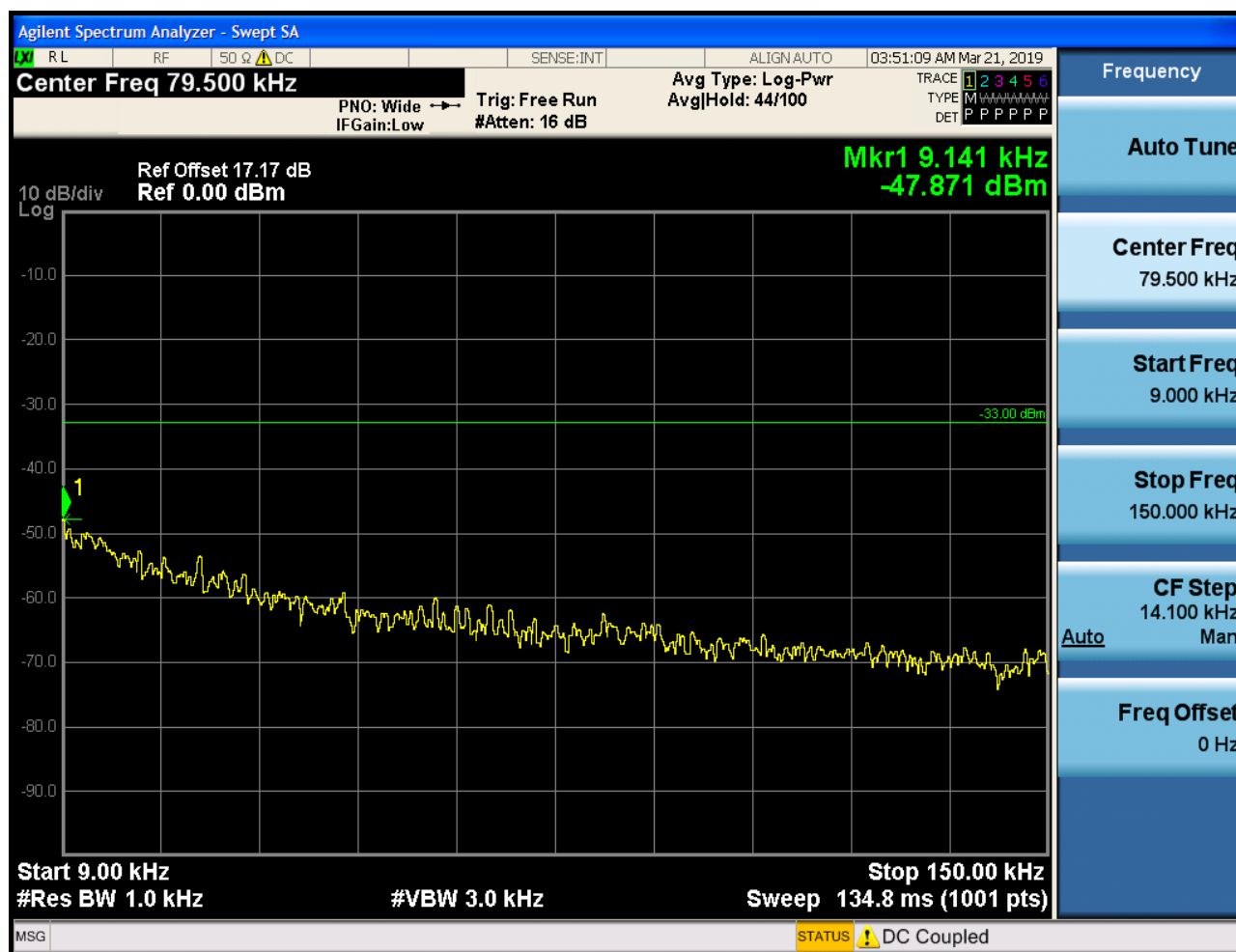


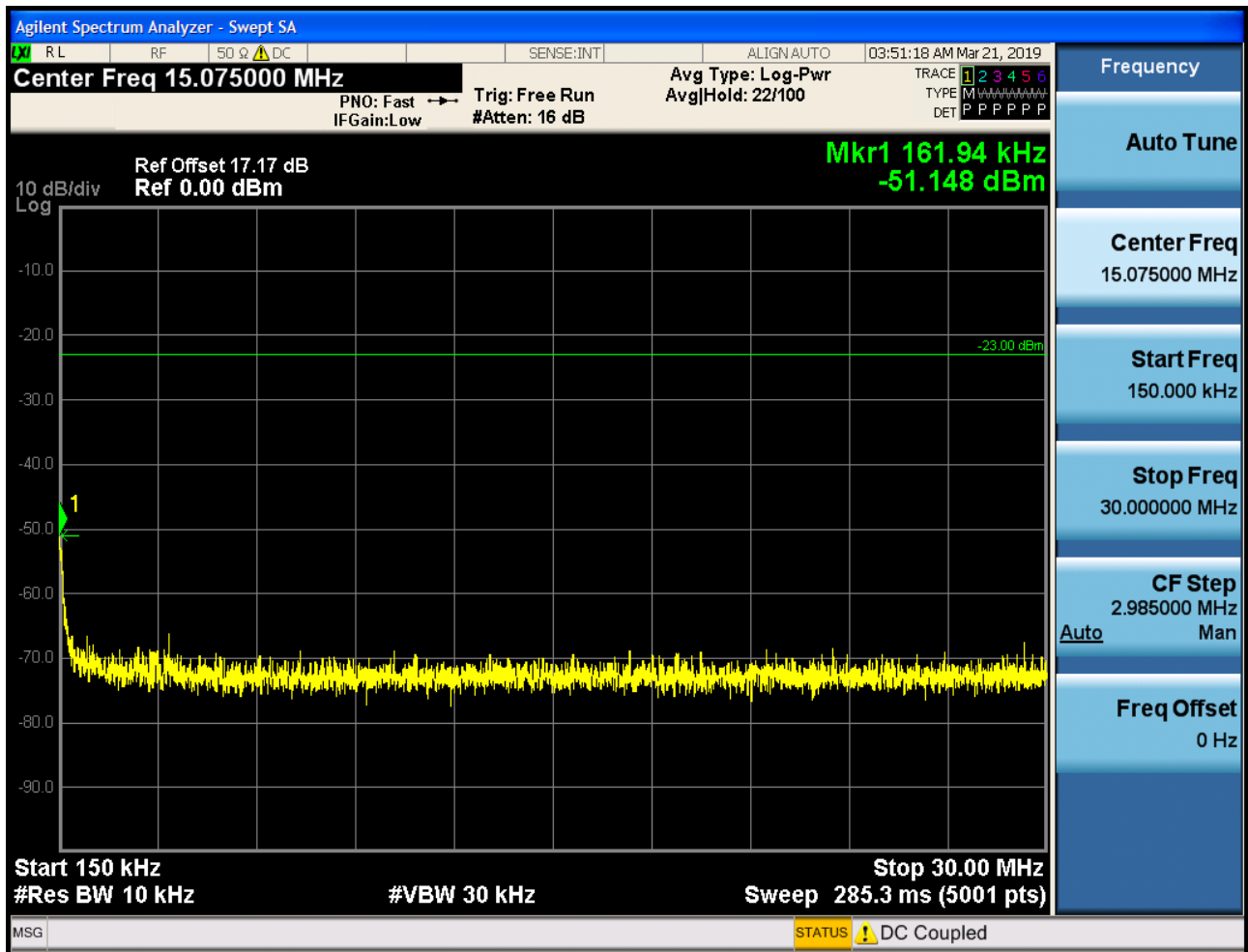


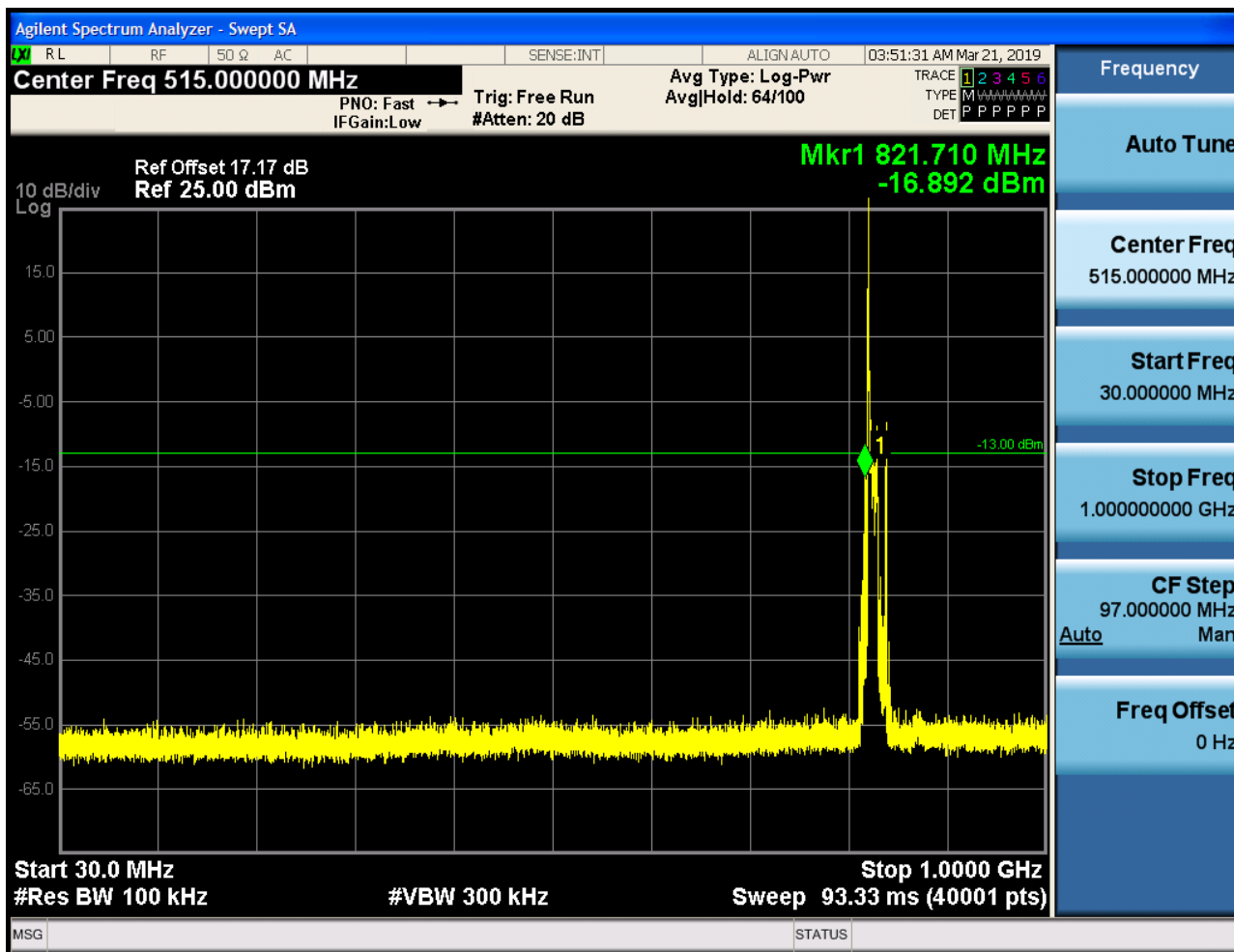
6.2.1.2.4 Test Bandwidth = 10

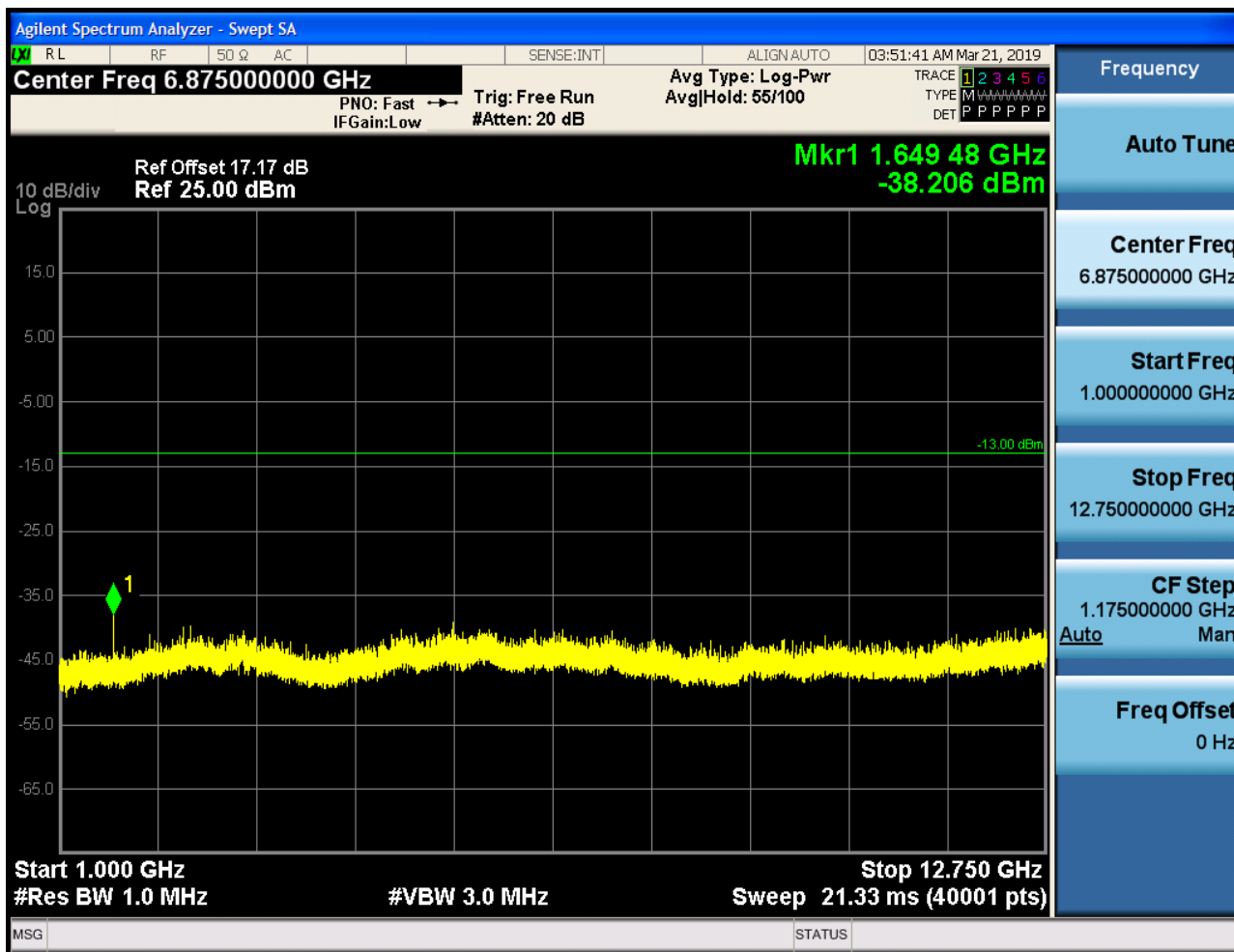
6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0





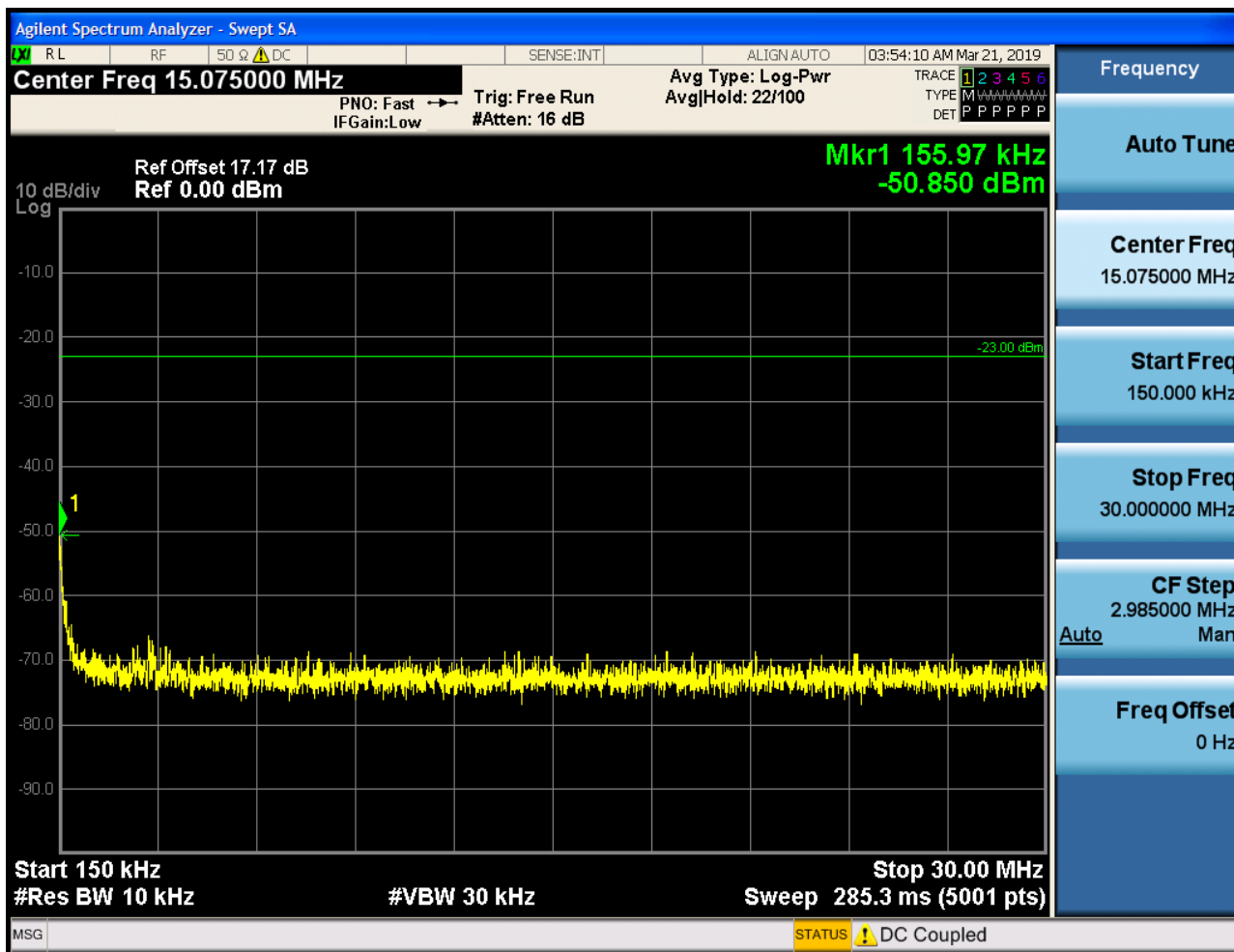


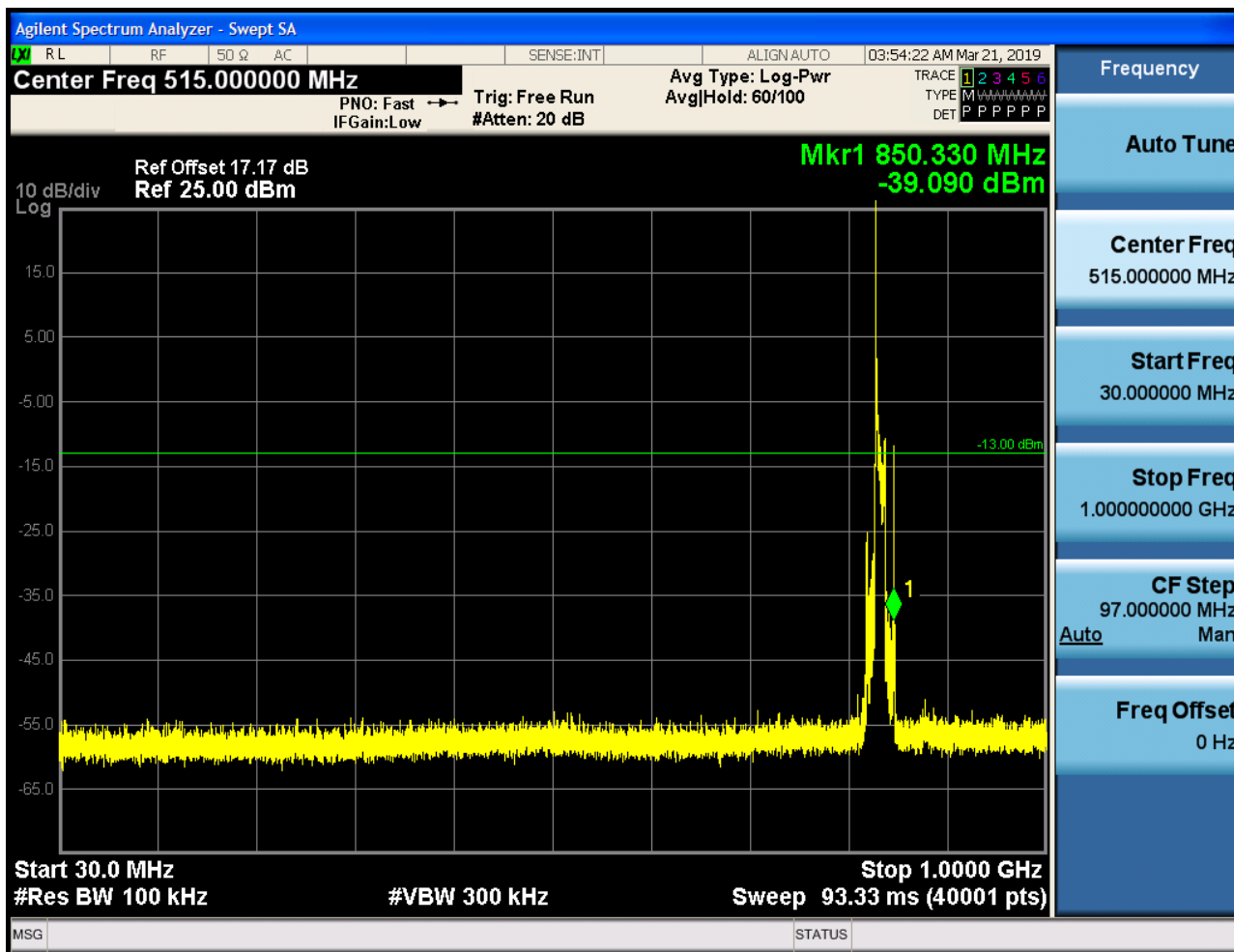


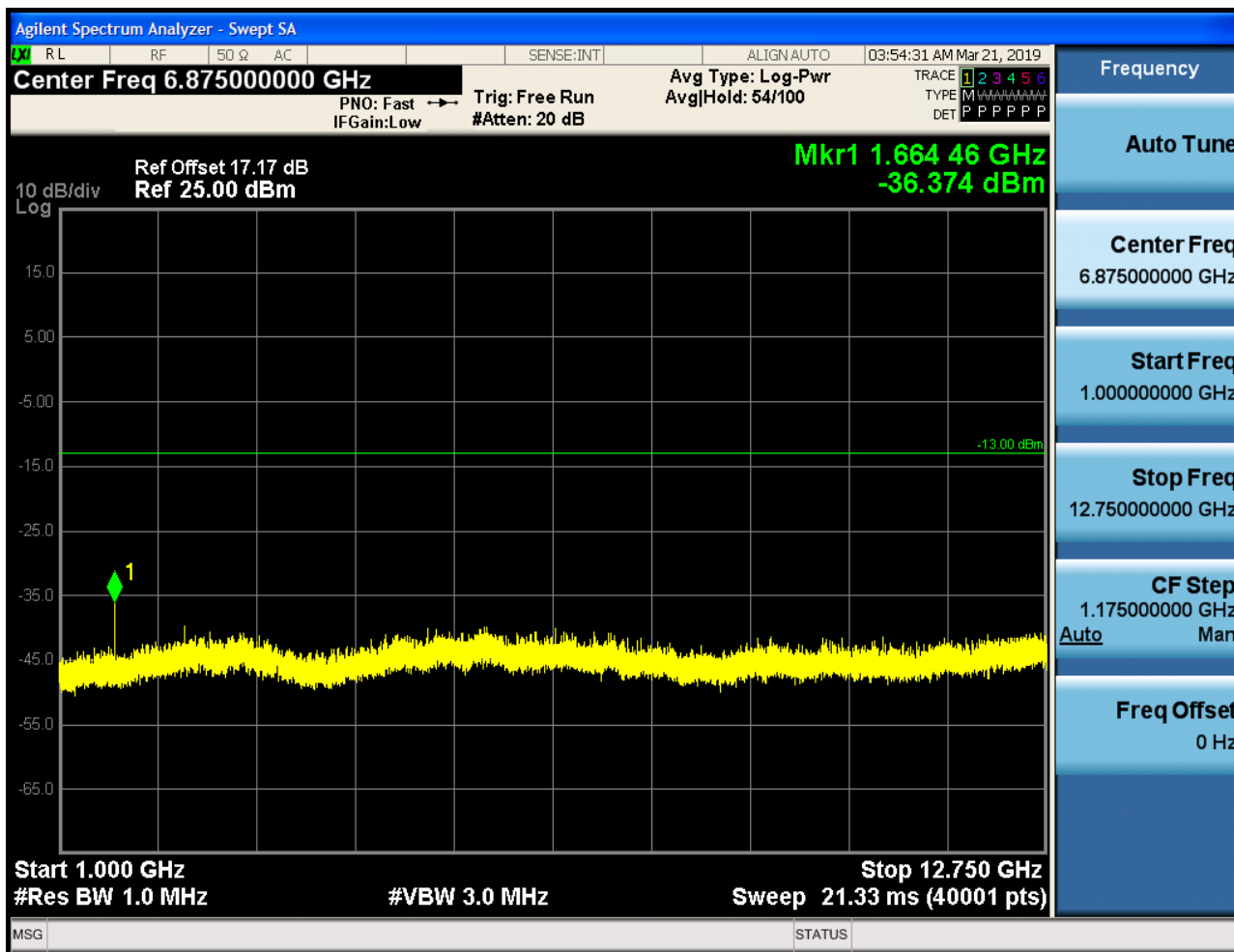
6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0





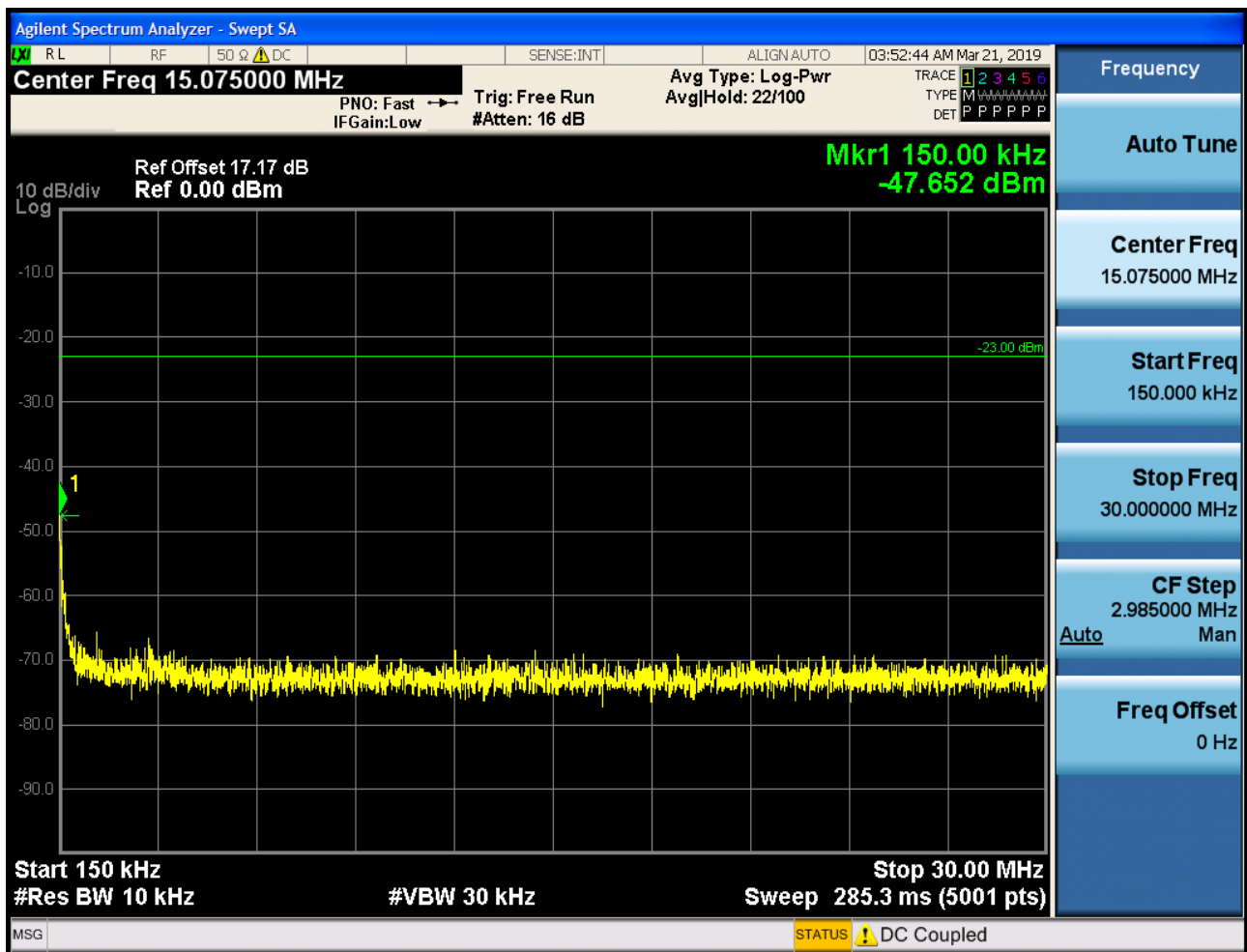


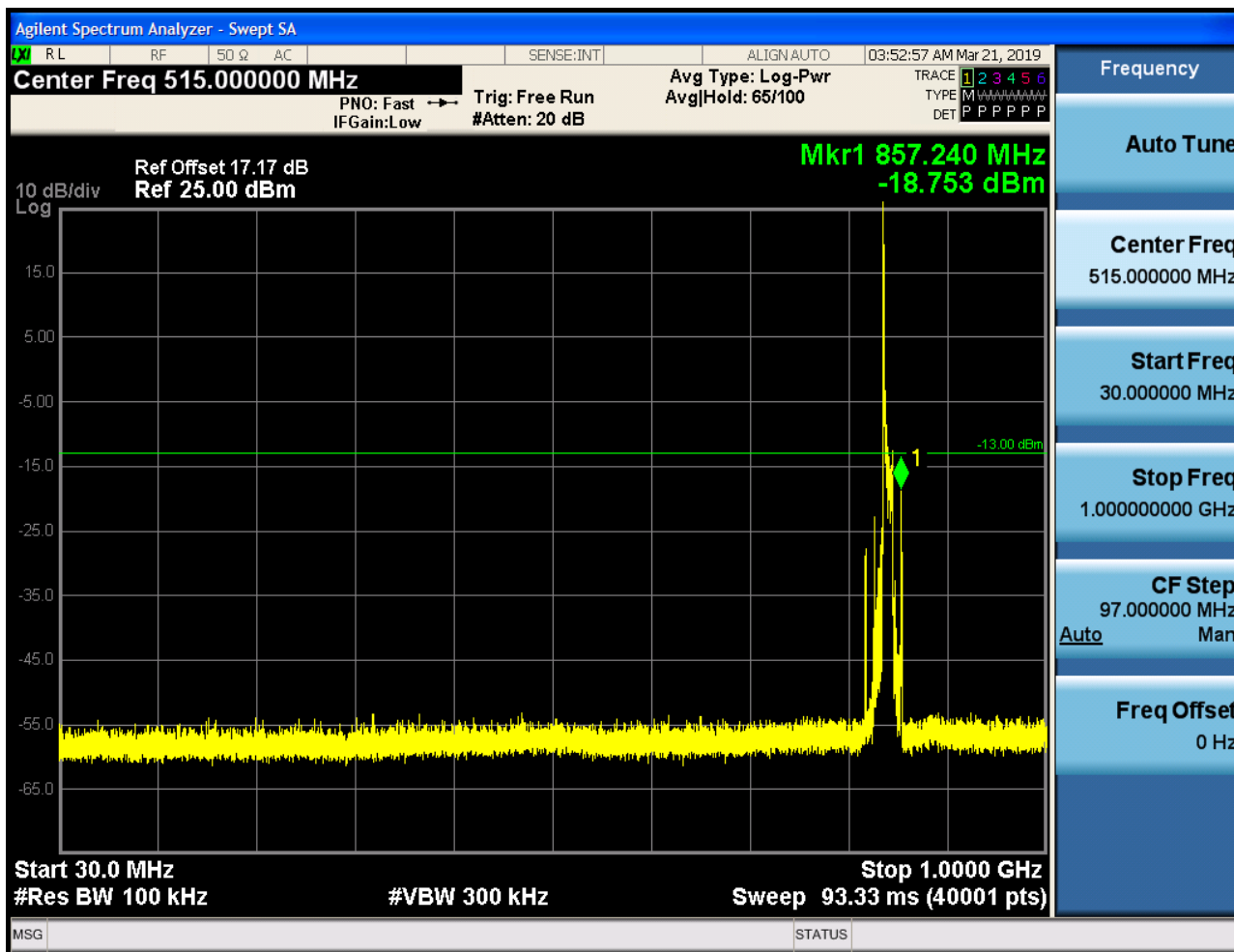


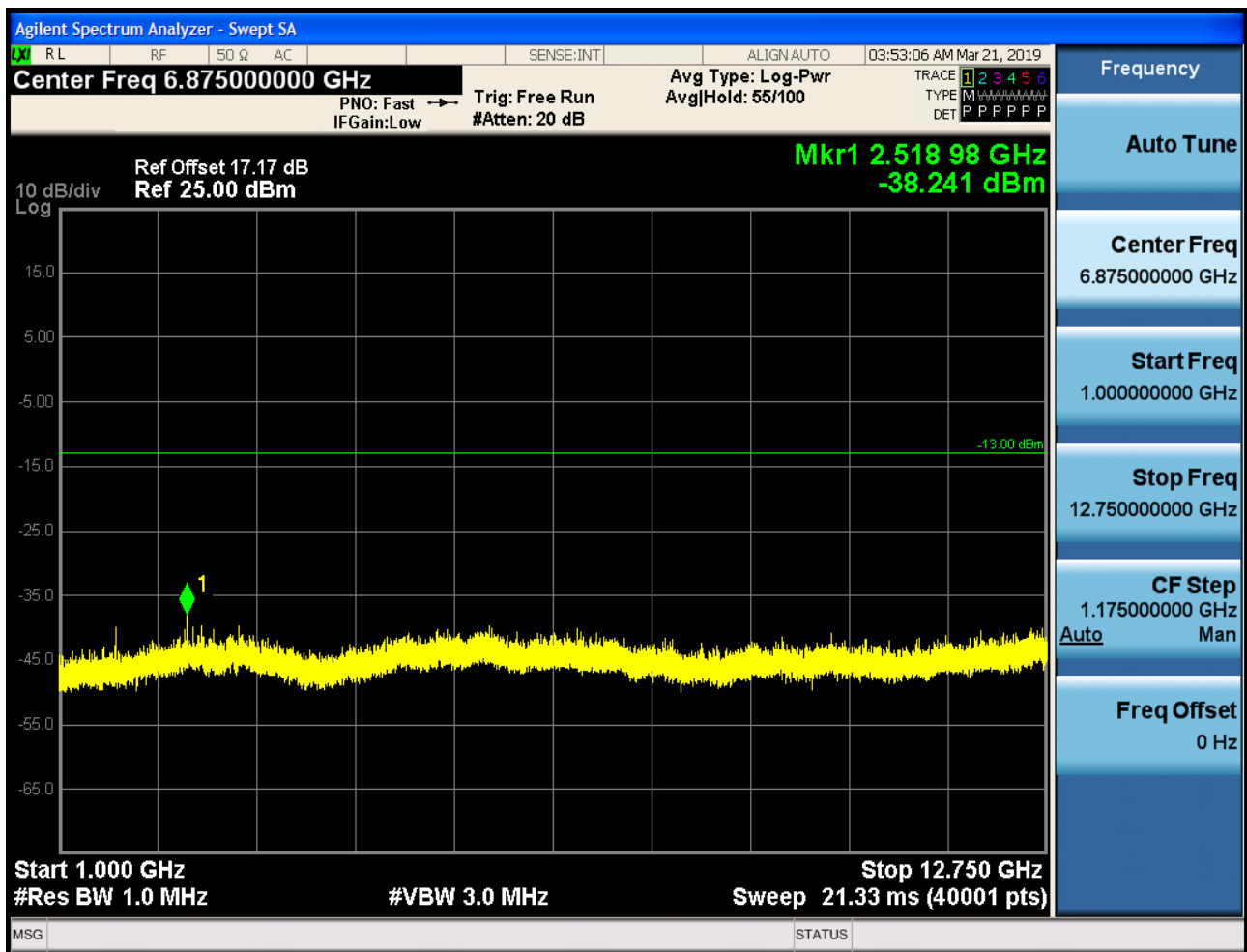
6.2.1.2.4.3 Test Channel = HCH

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

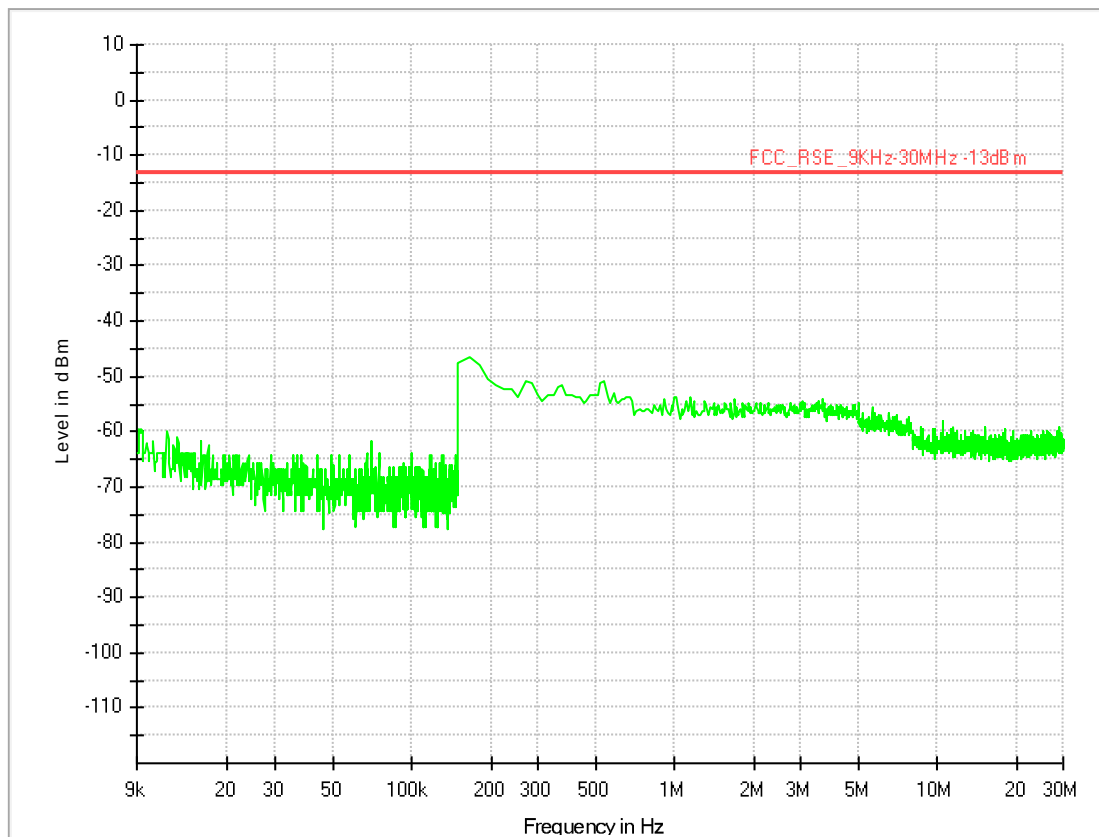
Part I - Test Plots

7.1 For LTE

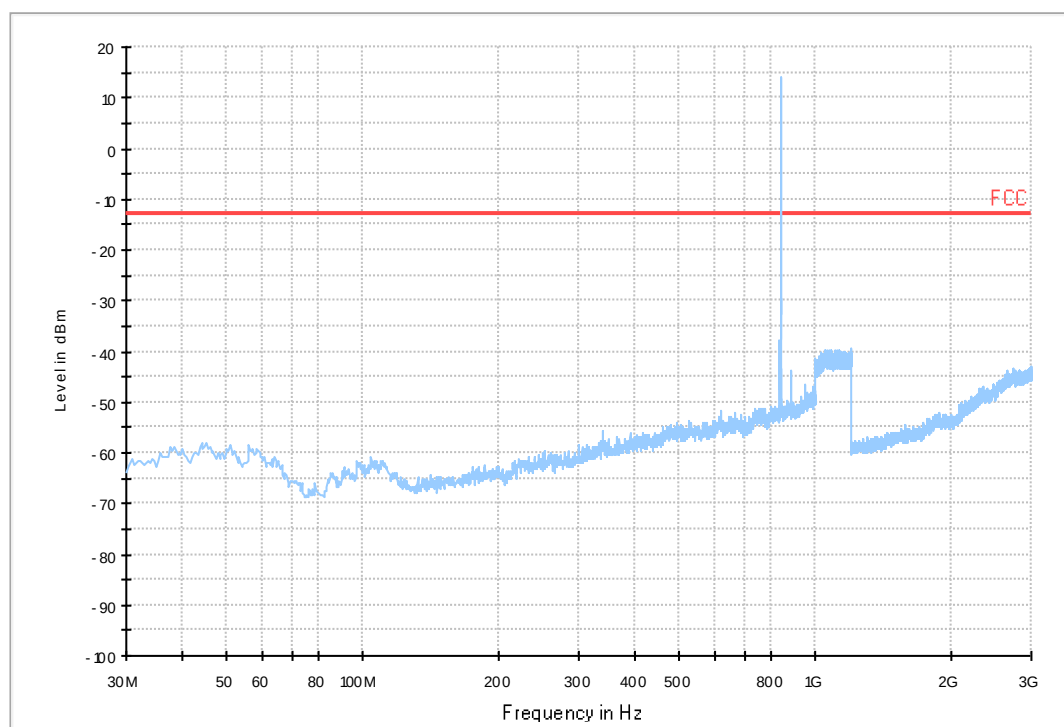
7.1.1 Test Band = Band5

7.1.1.1 Test Bandwidth = 1.4

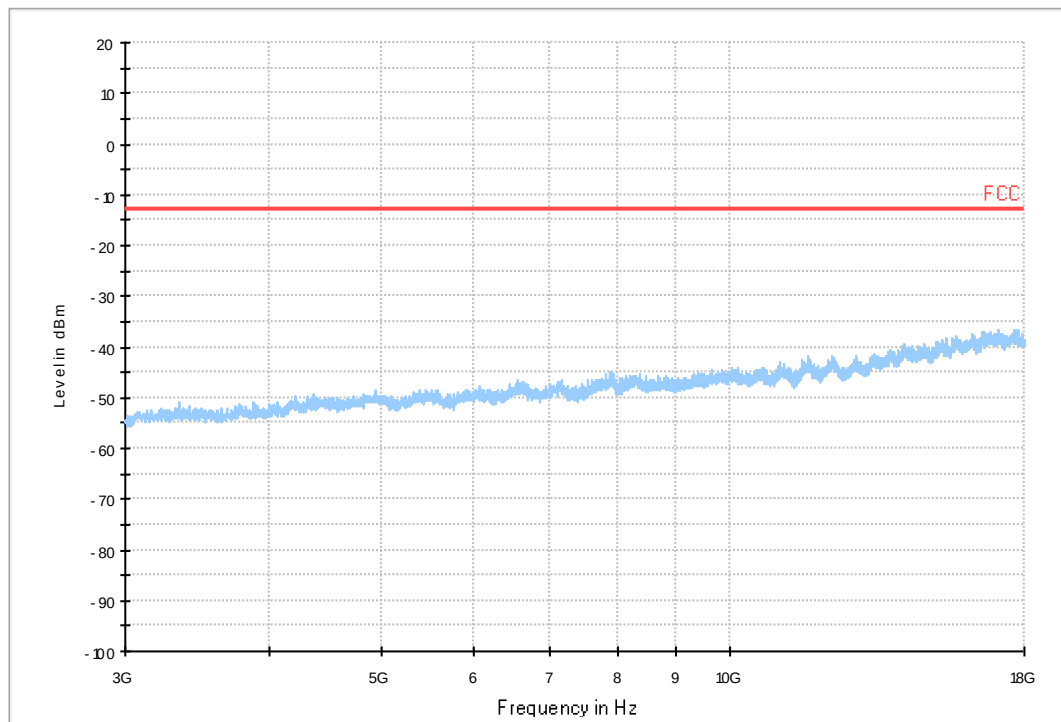
Band5/TM1_Ant1



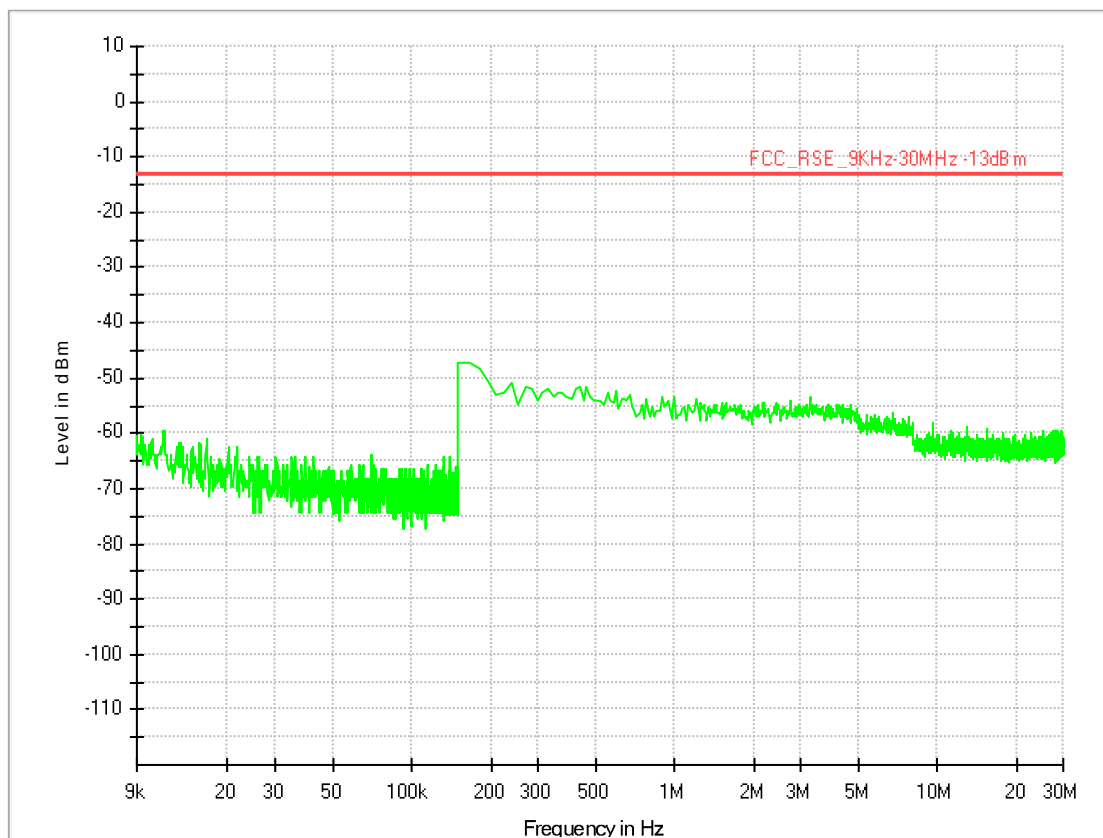
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



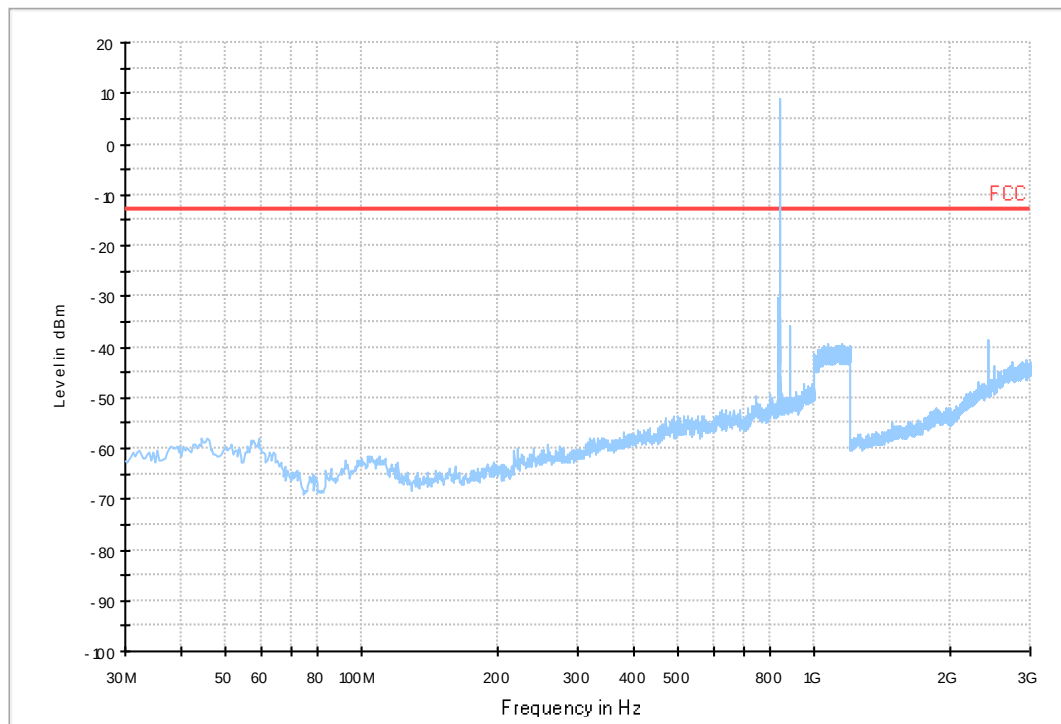
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



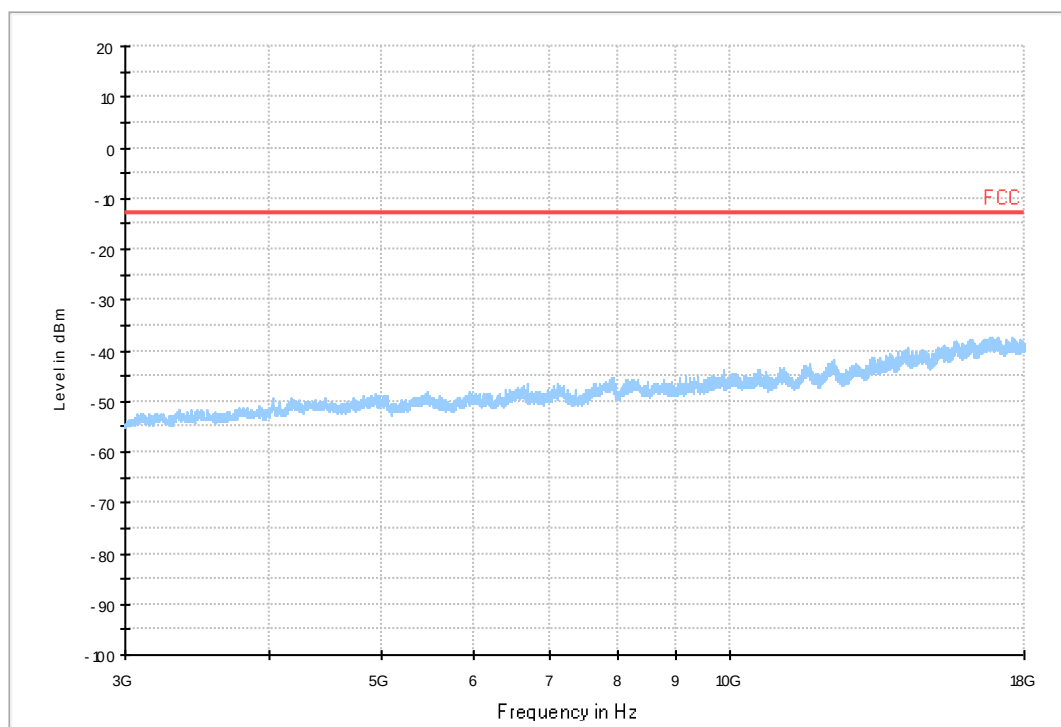
Band5/TM1_Ant2



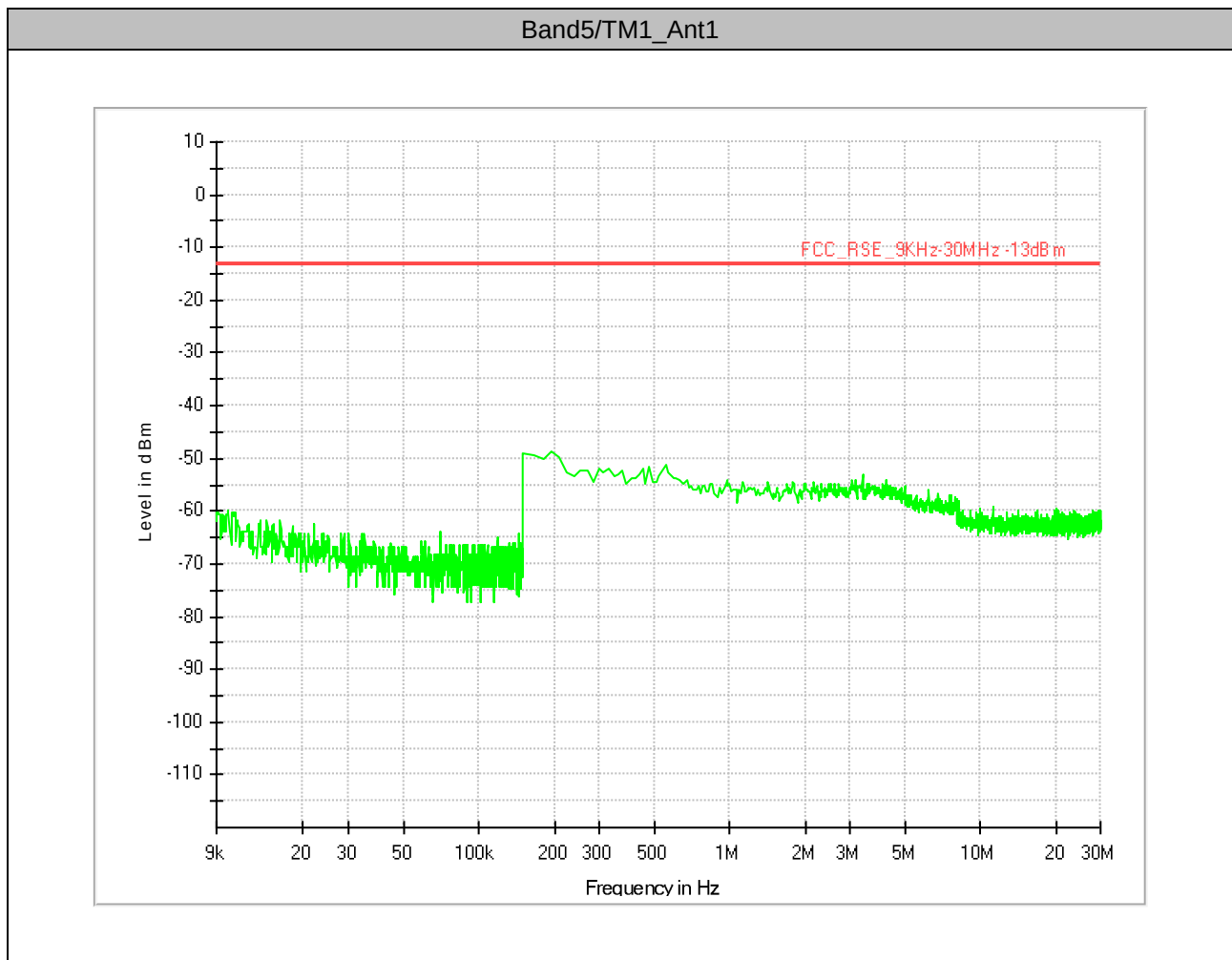
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



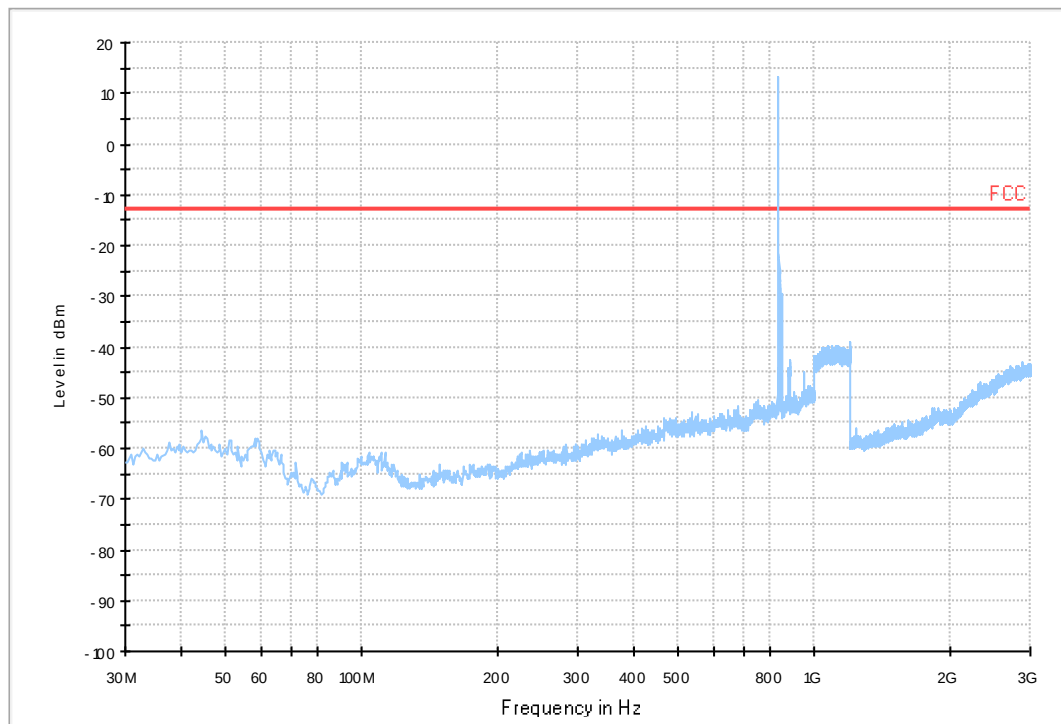
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



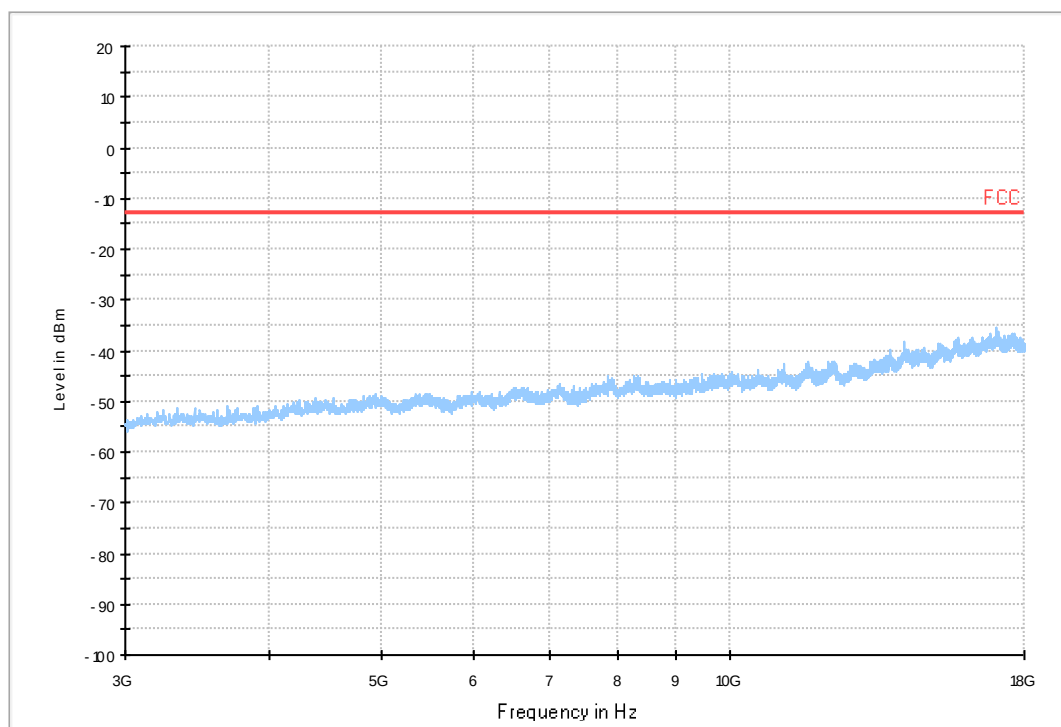
7.1.1.2 Test Bandwidth = 10



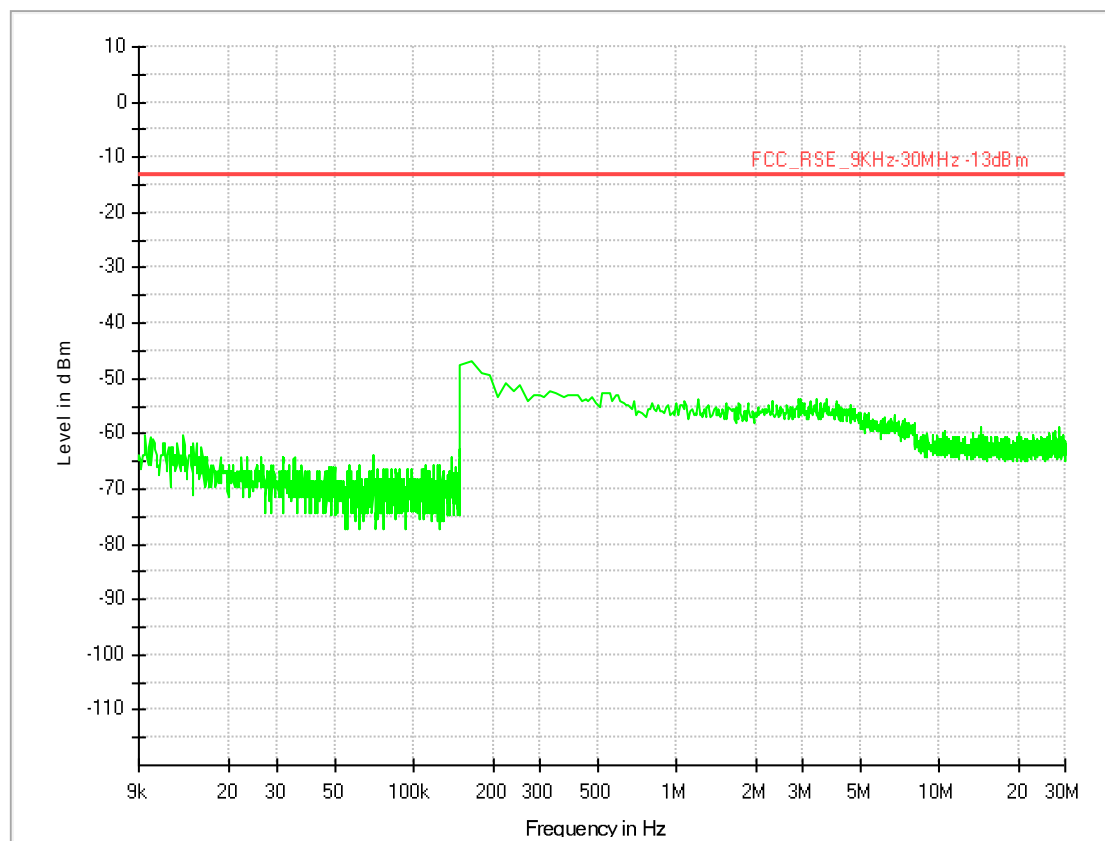
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



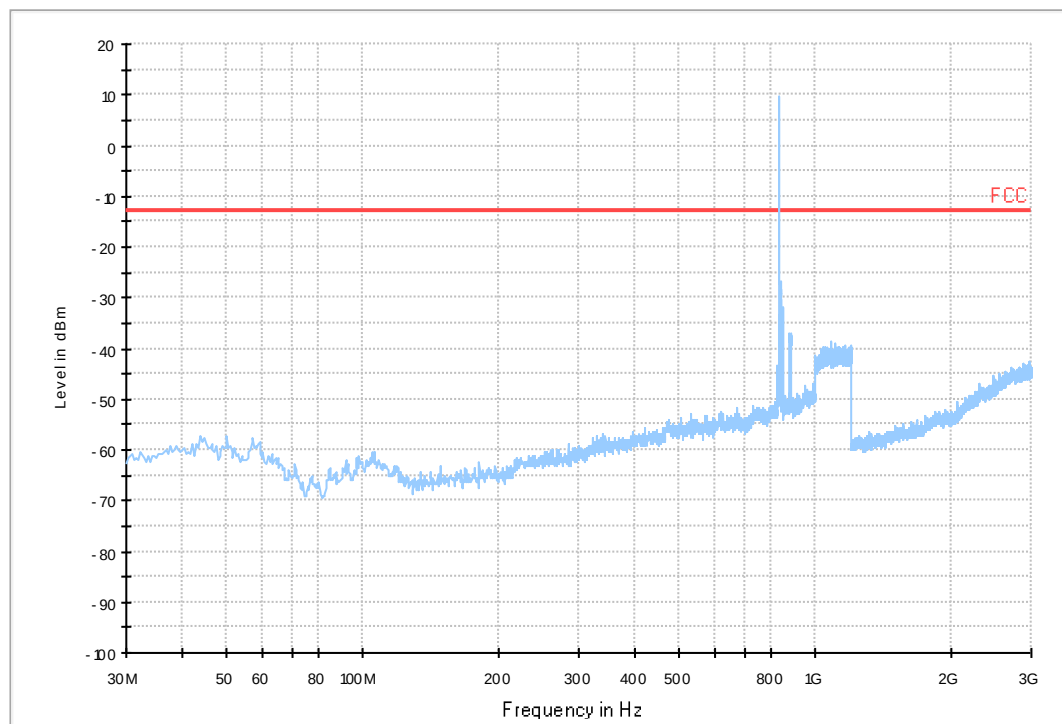
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



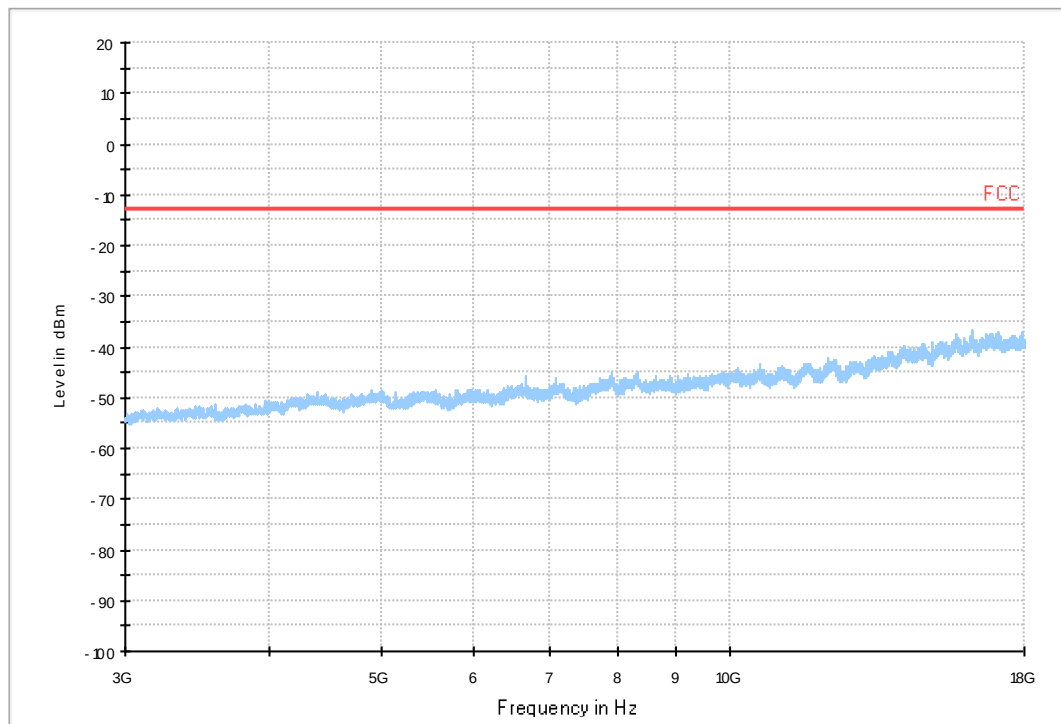
Band5/TM1_Ant2



LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



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
Band5	LTE/TM1	1.4	LCH	TN	VL	-18.16750	-0.02203	PASS
					VN	-9.58443	-0.01162	PASS
					VH	14.20498	0.01722	PASS
			MCH	TN	VL	6.29425	0.00752	PASS
					VN	3.06129	0.00366	PASS
					VH	-6.33717	-0.00758	PASS
			HCH	TN	VL	10.32829	0.01218	PASS
					VN	8.84056	0.01042	PASS
					VH	-5.06401	-0.00597	PASS
		3	LCH	TN	VL	-1.48773	-0.00180	PASS
					VN	1.80244	0.00218	PASS
					VH	-3.08990	-0.00374	PASS
			MCH	TN	VL	-0.40054	-0.00048	PASS
					VN	-1.35899	-0.00162	PASS
					VH	-8.05378	-0.00963	PASS
			HCH	TN	VL	-1.35899	-0.00160	PASS
					VN	0.07153	0.00008	PASS
					VH	-1.23024	-0.00145	PASS
		5	LCH	TN	VL	1.65939	0.00201	PASS
					VN	5.42164	0.00656	PASS
					VH	1.08719	0.00132	PASS
			MCH	TN	VL	5.73635	0.00686	PASS
					VN	27.55165	0.03294	PASS
					VH	0.50068	0.00060	PASS
			HCH	TN	VL	1.41621	0.00167	PASS
					VN	0.02861	0.00003	PASS
					VH	-2.23160	-0.00264	PASS
		10	LCH	TN	VL	-0.71526	-0.00086	PASS
					VN	-1.40190	-0.00169	PASS
					VH	4.03404	0.00487	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VL	-2.26021	-0.00270	PASS
					VN	7.43866	0.00889	PASS
					VH	3.53336	0.00422	PASS
			HCH	TN	VL	-0.07153	-0.00008	PASS
					VN	-1.25885	-0.00149	PASS
					VH	-1.65939	-0.00197	PASS
	LTE/TM2	1.4	LCH	TN	VL	8.76904	0.01063	PASS
					VN	-1.95980	-0.00238	PASS
					VH	-7.43866	-0.00902	PASS
			MCH	TN	VL	-2.17438	-0.00260	PASS
					VN	14.59122	0.01744	PASS
					VH	12.57420	0.01503	PASS
			HCH	TN	VL	-6.22272	-0.00734	PASS
					VN	14.50539	0.01710	PASS
					VH	-3.31879	-0.00391	PASS
		3	LCH	TN	VL	3.70503	0.00449	PASS
					VN	-3.30448	-0.00400	PASS
					VH	1.95980	0.00237	PASS
			MCH	TN	VL	-4.39167	-0.00525	PASS
					VN	-1.44482	-0.00173	PASS
					VH	-2.71797	-0.00325	PASS
			HCH	TN	VL	-1.14441	-0.00135	PASS
					VN	1.14441	0.00135	PASS
					VH	-2.67506	-0.00316	PASS
		5	LCH	TN	VL	0.65804	0.00080	PASS
					VN	-0.91553	-0.00111	PASS
					VH	1.20163	0.00145	PASS
			MCH	TN	VL	-3.08990	-0.00369	PASS
					VN	-2.44618	-0.00292	PASS
					VH	-1.47343	-0.00176	PASS
			HCH	TN	VL	2.31743	0.00274	PASS
					VN	0.87261	0.00103	PASS
					VH	-0.50068	-0.00059	PASS
		10	LCH	TN	VL	3.31879	0.00400	PASS
					VN	-1.44482	-0.00174	PASS
					VH	2.38895	0.00288	PASS
			MCH	TN	VL	-2.01702	-0.00241	PASS
					VN	8.56876	0.01024	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VH	1.01566	0.00121	PASS
					VL	0.48637	0.00058	PASS
					VN	-4.54903	-0.00539	PASS
					VH	-1.73092	-0.00205	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
Band5	LTE/TM1	1.4	LCH	VN	-30	3.63350	0.00441	PASS
					-20	-14.34803	-0.01740	PASS
					-10	-10.71453	-0.01299	PASS
					0	6.60896	0.00801	PASS
					10	23.38886	0.02836	PASS
					20	-9.58443	-0.01162	PASS
					30	-11.48701	-0.01393	PASS
					40	-2.57492	-0.00312	PASS
					50	-8.58307	-0.01041	PASS
			MCH	VN	-30	1.50204	0.00180	PASS
					-20	-12.74586	-0.01524	PASS
					-10	-19.54079	-0.02336	PASS
					0	-0.47207	-0.00056	PASS
					10	16.73698	0.02001	PASS
					20	3.06129	0.00366	PASS
					30	5.85079	0.00699	PASS
					40	-6.60896	-0.00790	PASS
					50	-0.14305	-0.00017	PASS
			HCH	VN	-30	0.54359	0.00064	PASS
					-20	0.21458	0.00025	PASS
					-10	8.51154	0.01003	PASS
					0	20.67089	0.02437	PASS
					10	0.65804	0.00078	PASS
					20	8.84056	0.01042	PASS
					30	12.45975	0.01469	PASS
					40	-0.04292	-0.00005	PASS
					50	0.68665	0.00081	PASS
		3	LCH	VN	-30	0.67234	0.00081	PASS
					-20	1.51634	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	2.98977	0.00362	PASS
					0	-0.55790	-0.00068	PASS
					10	5.69344	0.00690	PASS
					20	1.80244	0.00218	PASS
					30	0.55790	0.00068	PASS
					40	0.44346	0.00054	PASS
					50	2.01702	0.00244	PASS
			MCH	VN	-30	3.51906	0.00421	PASS
					-20	-0.61512	-0.00074	PASS
					-10	-0.34332	-0.00041	PASS
					0	-8.11100	-0.00970	PASS
					10	8.78334	0.01050	PASS
					20	-1.35899	-0.00162	PASS
					30	-1.00136	-0.00120	PASS
					40	3.27587	0.00392	PASS
					50	-5.77927	-0.00691	PASS
			HCH	VN	-30	-1.14441	-0.00135	PASS
					-20	-0.37193	-0.00044	PASS
					-10	-0.57220	-0.00068	PASS
					0	-0.48637	-0.00057	PASS
					10	-2.87533	-0.00339	PASS
					20	0.07153	0.00008	PASS
					30	-0.38624	-0.00046	PASS
					40	2.86102	0.00338	PASS
					50	-0.10014	-0.00012	PASS
		5	LCH	VN	-30	1.75953	0.00213	PASS
					-20	-1.00136	-0.00121	PASS
					-10	-4.52042	-0.00547	PASS
					0	1.94550	0.00235	PASS
					10	-0.80109	-0.00097	PASS
					20	5.42164	0.00656	PASS
					30	-0.38624	-0.00047	PASS
					40	-1.13010	-0.00137	PASS
					50	-1.53065	-0.00185	PASS
			MCH	VN	-30	-0.75817	-0.00091	PASS
					-20	9.34124	0.01117	PASS
					-10	15.97881	0.01910	PASS
					0	11.41548	0.01365	PASS
					10	24.43314	0.02921	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	27.55165	0.03294	PASS
					30	19.09733	0.02283	PASS
					40	-1.61648	-0.00193	PASS
					50	3.39031	0.00405	PASS
			HCH	VN	-30	0.94414	0.00112	PASS
					-20	1.10149	0.00130	PASS
					-10	1.53065	0.00181	PASS
					0	-0.41485	-0.00049	PASS
					10	1.04427	0.00123	PASS
					20	0.02861	0.00003	PASS
					30	3.29018	0.00389	PASS
					40	0.75817	0.00090	PASS
					50	0.42915	0.00051	PASS
		10	LCH	VN	-30	3.43323	0.00414	PASS
					-20	-1.88827	-0.00228	PASS
					-10	3.70503	0.00447	PASS
					0	-4.19140	-0.00506	PASS
					10	-0.72956	-0.00088	PASS
					20	-1.40190	-0.00169	PASS
					30	-3.70503	-0.00447	PASS
					40	-0.40054	-0.00048	PASS
					50	-2.91824	-0.00352	PASS
			MCH	VN	-30	0.12875	0.00015	PASS
					-20	-4.03404	-0.00482	PASS
					-10	-7.03812	-0.00841	PASS
					0	5.24998	0.00628	PASS
					10	15.49244	0.01852	PASS
					20	7.43866	0.00889	PASS
					30	5.30720	0.00634	PASS
					40	7.15256	0.00855	PASS
					50	3.44753	0.00412	PASS
			HCH	VN	-30	-1.17302	-0.00139	PASS
					-20	4.62055	0.00547	PASS
					-10	5.82218	0.00690	PASS
					0	-2.24590	-0.00266	PASS
					10	-1.87397	-0.00222	PASS
					20	-1.25885	-0.00149	PASS
					30	-5.90801	-0.00700	PASS
					40	-8.25405	-0.00978	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	LCH	VN	50	-0.10014	-0.00012	PASS
					-30	-4.14848	-0.00503	PASS
					-20	-10.97202	-0.01330	PASS
					-10	8.26836	0.01003	PASS
					0	-14.31942	-0.01736	PASS
					10	1.37329	0.00167	PASS
					20	-1.95980	-0.00238	PASS
					30	19.56940	0.02373	PASS
					40	-1.71661	-0.00208	PASS
					50	-3.27587	-0.00397	PASS
			MCH	VN	-30	17.69543	0.02115	PASS
					-20	3.10421	0.00371	PASS
					-10	-33.11634	-0.03959	PASS
					0	-10.91480	-0.01305	PASS
					10	-7.85351	-0.00939	PASS
					20	14.59122	0.01744	PASS
					30	-0.95844	-0.00115	PASS
					40	-4.30584	-0.00515	PASS
					50	-8.44002	-0.01009	PASS
			HCH	VN	-30	-11.57284	-0.01364	PASS
					-20	12.87460	0.01518	PASS
					-10	-9.58443	-0.01130	PASS
					0	8.92639	0.01052	PASS
					10	-23.94676	-0.02823	PASS
					20	14.50539	0.01710	PASS
					30	-9.59873	-0.01132	PASS
					40	2.50339	0.00295	PASS
					50	9.77039	0.01152	PASS
		3	LCH	VN	-30	1.58787	0.00192	PASS
					-20	0.60081	0.00073	PASS
					-10	-9.31263	-0.01128	PASS
					0	-3.16143	-0.00383	PASS
					10	3.06129	0.00371	PASS
					20	-3.30448	-0.00400	PASS
					30	-3.96252	-0.00480	PASS
					40	-0.80109	-0.00097	PASS
					50	3.40462	0.00412	PASS
			MCH	VN	-30	2.81811	0.00337	PASS
					-20	1.31607	0.00157	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	0.30041	0.00036	PASS
					0	-1.88827	-0.00226	PASS
					10	509.41940	0.60899	PASS
					20	-1.44482	-0.00173	PASS
					30	1.30177	0.00156	PASS
					40	-10.18524	-0.01218	PASS
					50	7.08103	0.00847	PASS
			HCH	VN	-30	-1.43051	-0.00169	PASS
					-20	1.05858	0.00125	PASS
					-10	0.60081	0.00071	PASS
					0	-1.64509	-0.00194	PASS
					10	-3.13282	-0.00370	PASS
					20	1.14441	0.00135	PASS
					30	-0.92983	-0.00110	PASS
					40	-0.07153	-0.00008	PASS
					50	-0.74387	-0.00088	PASS
		5	LCH	VN	-30	3.14712	0.00381	PASS
					-20	-0.62943	-0.00076	PASS
					-10	0.05722	0.00007	PASS
					0	5.35011	0.00647	PASS
					10	1.61648	0.00196	PASS
					20	-0.91553	-0.00111	PASS
					30	2.01702	0.00244	PASS
					40	1.10149	0.00133	PASS
					50	-0.64373	-0.00078	PASS
			MCH	VN	-30	9.19819	0.01100	PASS
					-20	3.31879	0.00397	PASS
					-10	7.39574	0.00884	PASS
					0	8.38280	0.01002	PASS
					10	-1.71661	-0.00205	PASS
					20	-2.44618	-0.00292	PASS
					30	-7.00951	-0.00838	PASS
					40	15.26356	0.01825	PASS
					50	0.92983	0.00111	PASS
			HCH	VN	-30	0.78678	0.00093	PASS
					-20	4.69208	0.00554	PASS
					-10	-2.70367	-0.00319	PASS
					0	0.88692	0.00105	PASS
					10	1.80244	0.00213	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	0.87261	0.00103	PASS
					30	-0.22888	-0.00027	PASS
					40	-0.97275	-0.00115	PASS
					50	3.59058	0.00424	PASS
		10	LCH	VN	-30	-1.57356	-0.00190	PASS
					-20	-0.85831	-0.00104	PASS
					-10	2.01702	0.00243	PASS
					0	-1.48773	-0.00179	PASS
					10	0.24319	0.00029	PASS
					20	-1.44482	-0.00174	PASS
					30	-0.25749	-0.00031	PASS
					40	-1.23024	-0.00148	PASS
					50	0.17166	0.00021	PASS
			MCH	VN	-30	-0.11444	-0.00014	PASS
					-20	1.87397	0.00224	PASS
					-10	0.18597	0.00022	PASS
					0	2.53200	0.00303	PASS
					10	6.32286	0.00756	PASS
					20	8.56876	0.01024	PASS
					30	8.96931	0.01072	PASS
					40	13.64708	0.01631	PASS
					50	11.91616	0.01425	PASS
			HCH	VN	-30	3.40462	0.00403	PASS
					-20	6.26564	0.00742	PASS
					-10	11.74450	0.01392	PASS
					0	0.35763	0.00042	PASS
					10	-9.88483	-0.01171	PASS
					20	-4.54903	-0.00539	PASS
					30	4.11987	0.00488	PASS
					40	-0.38624	-0.00046	PASS
					50	1.02997	0.00122	PASS

END