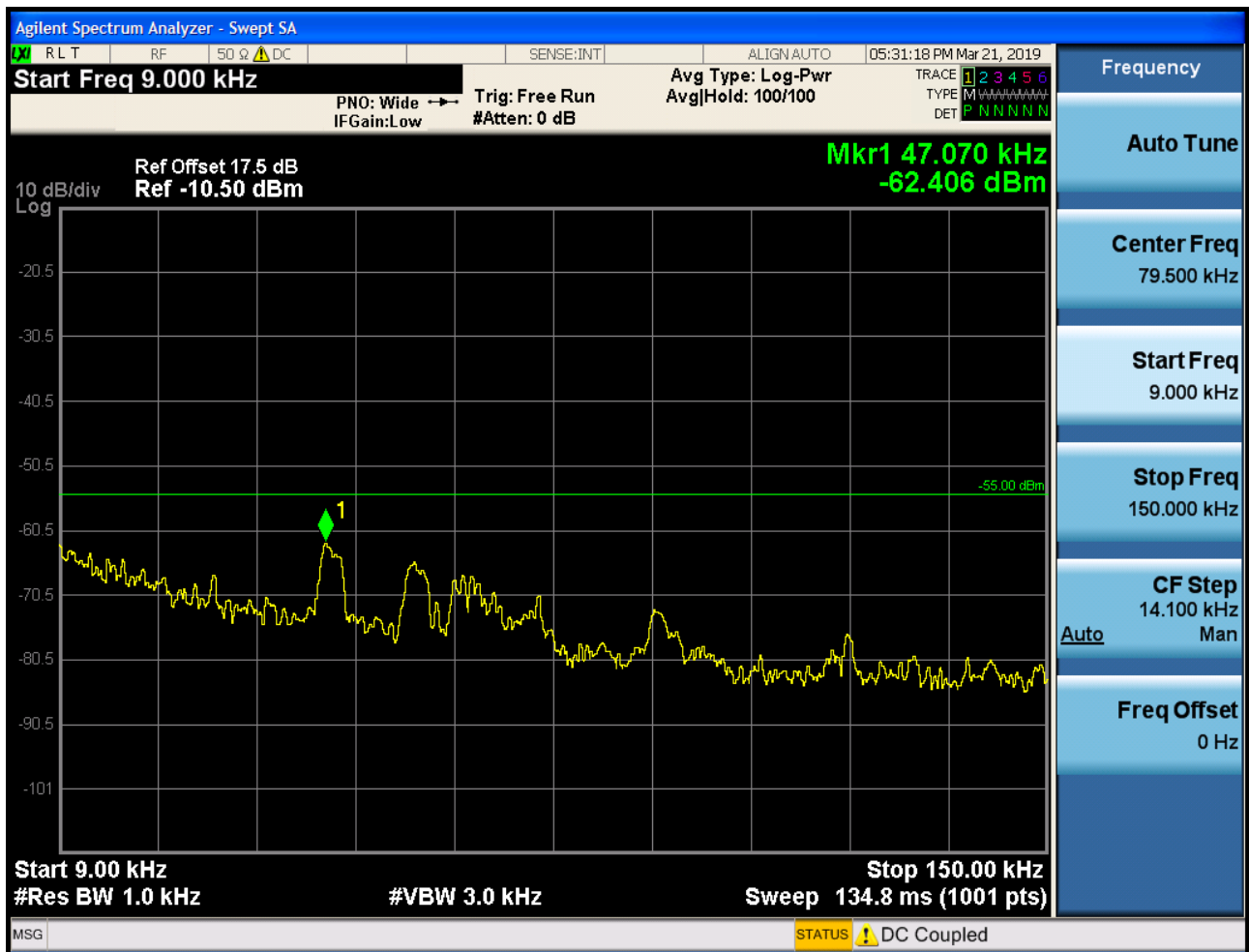
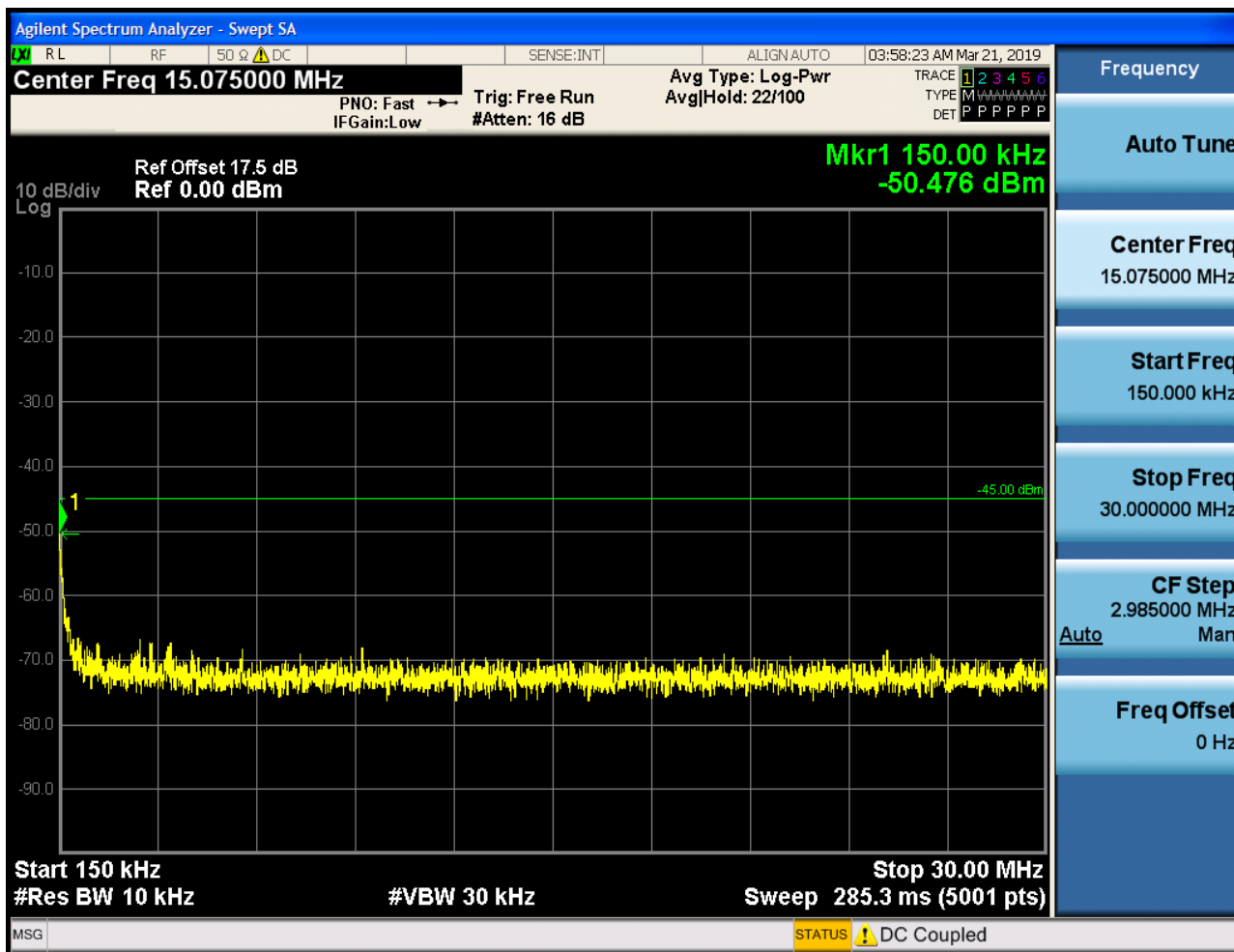


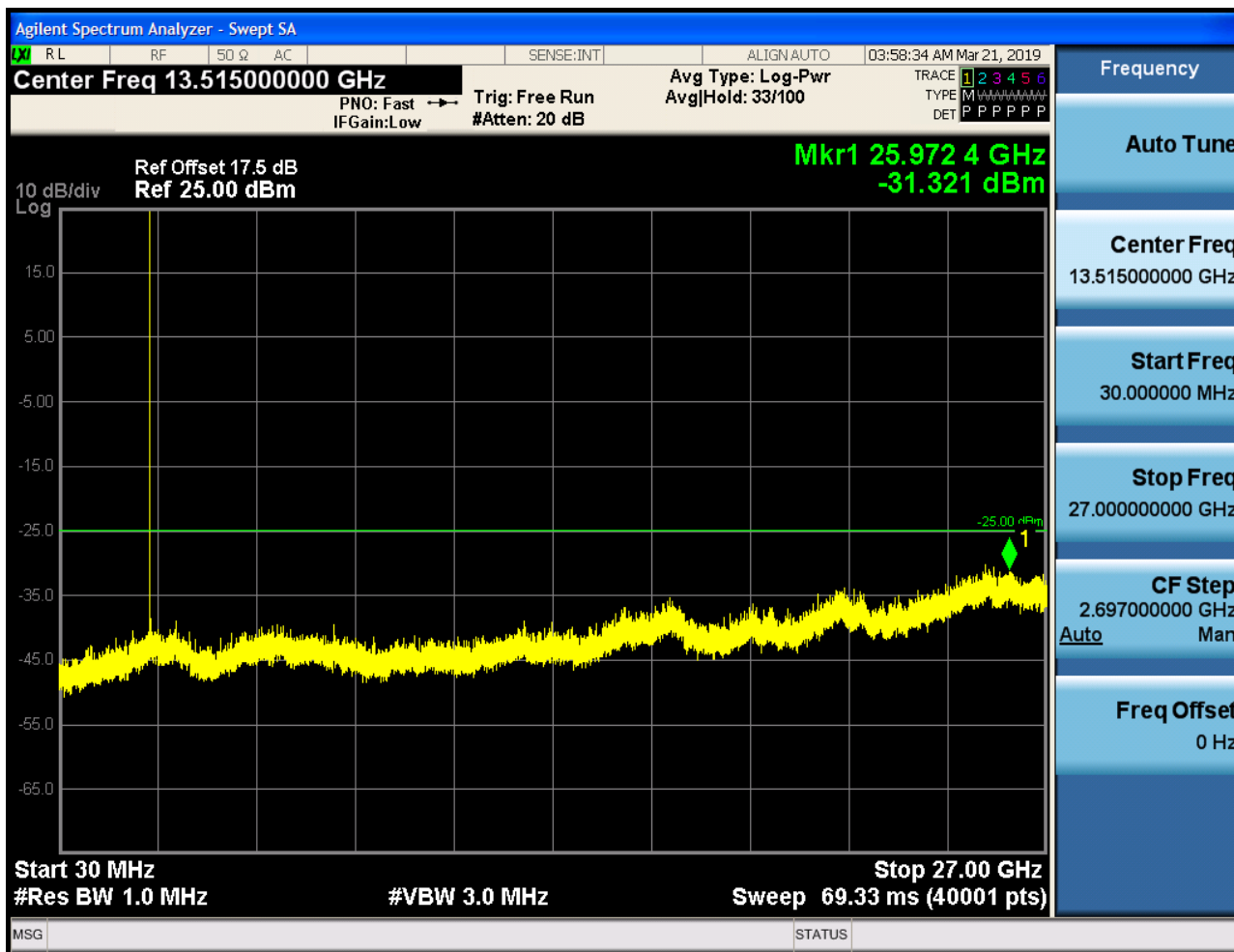
6.2.1.1.2 Test Bandwidth = 10

6.2.1.1.2.1 Test Channel = LCH

6.2.1.1.2.1.1 Test RB = RB1#0



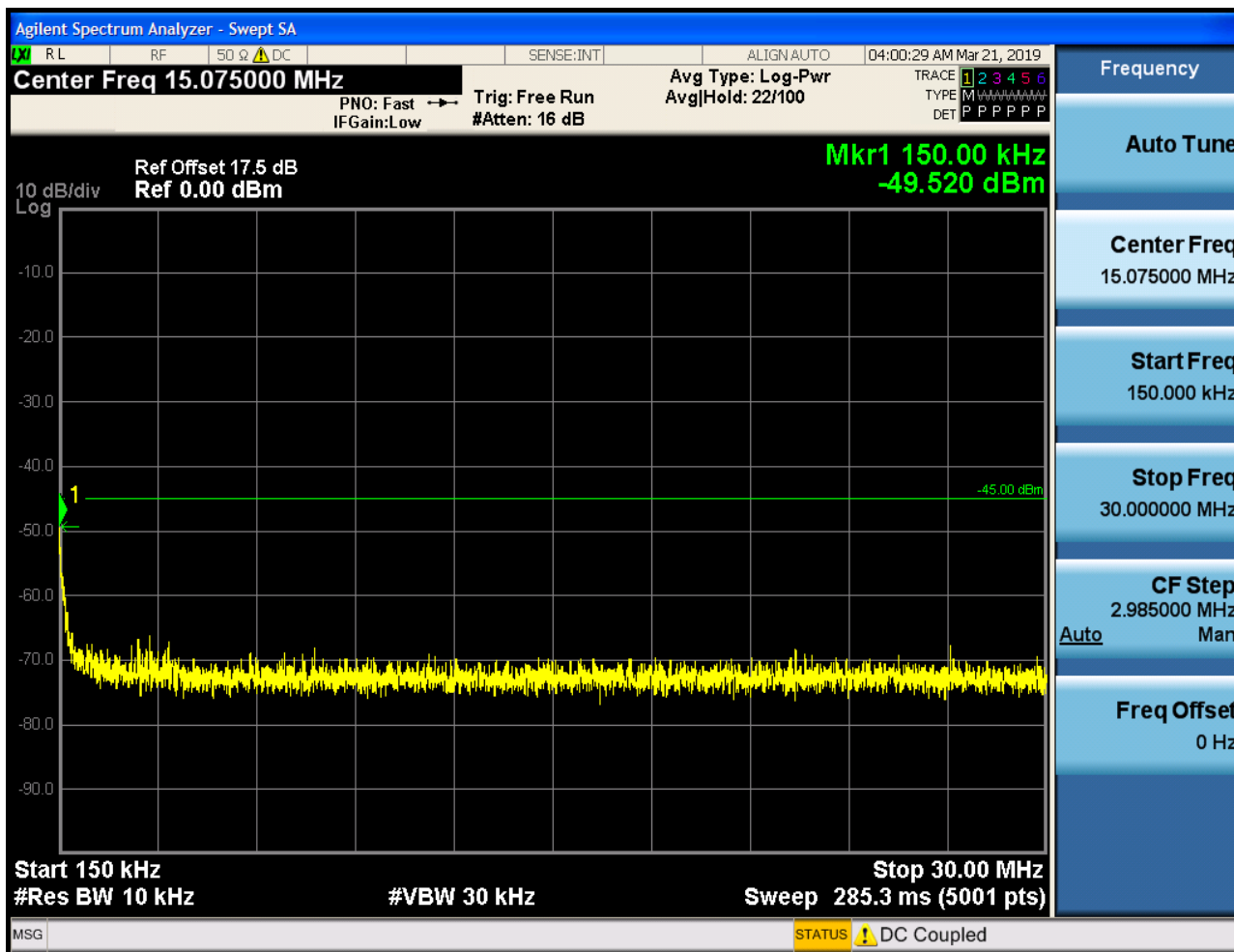


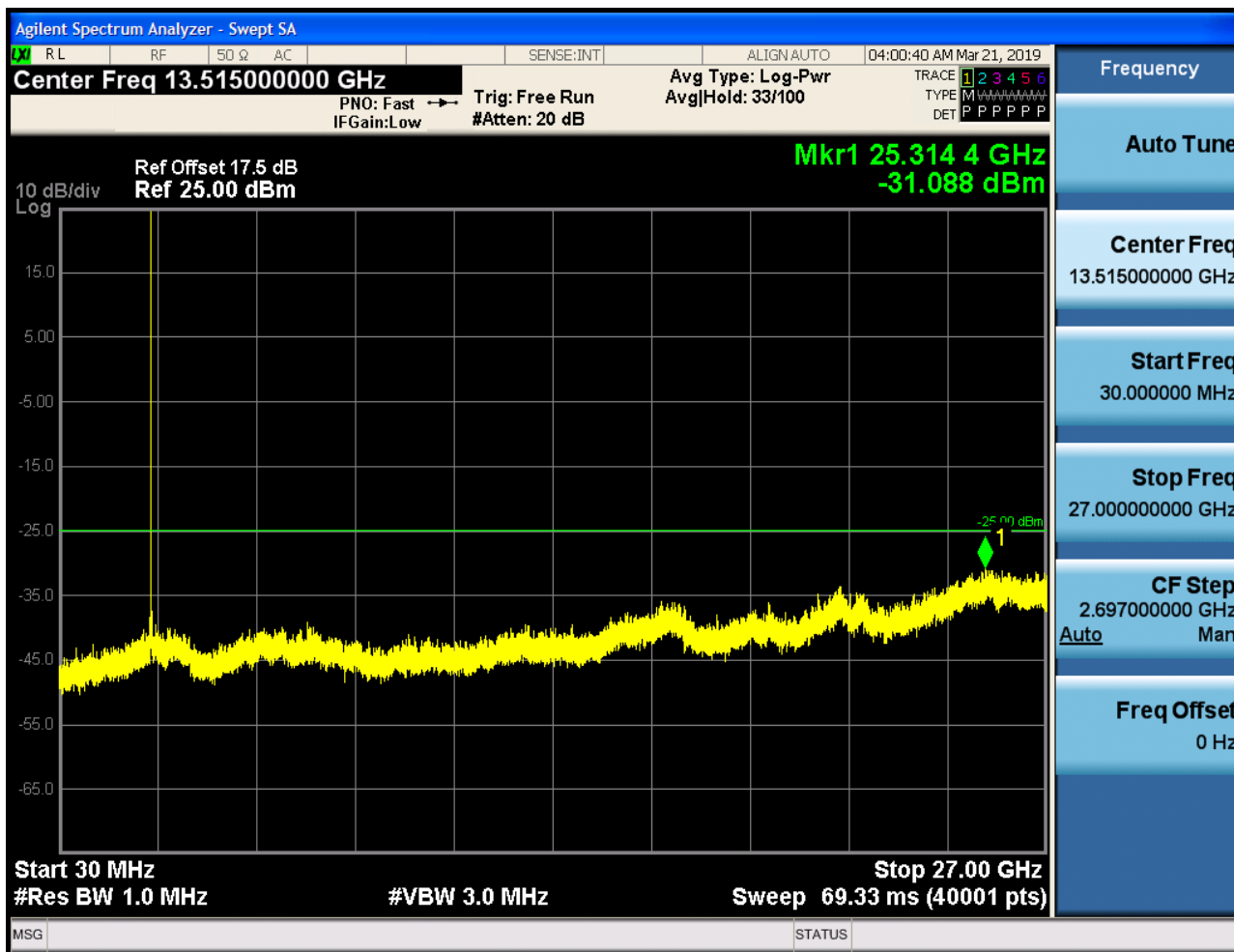


6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0



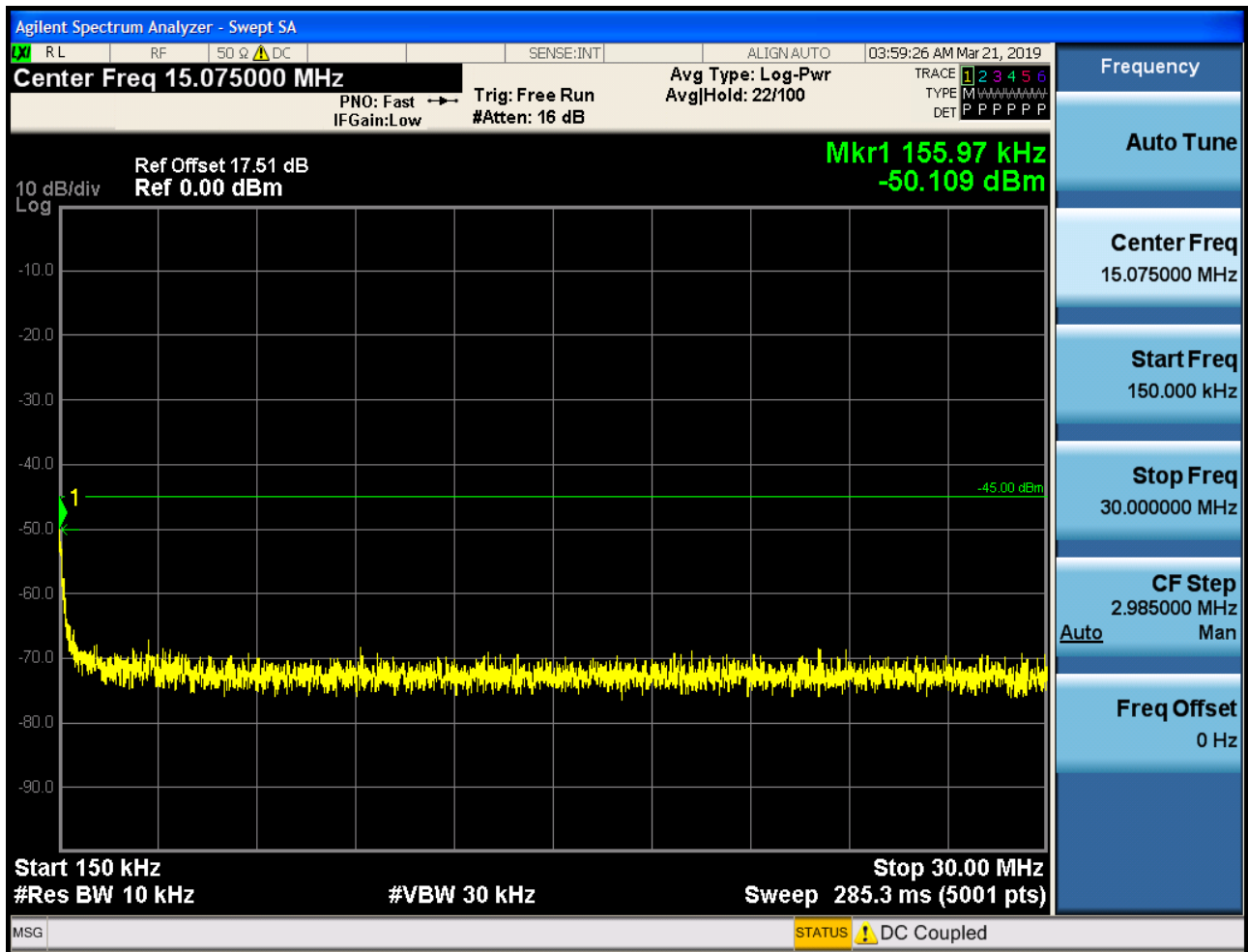


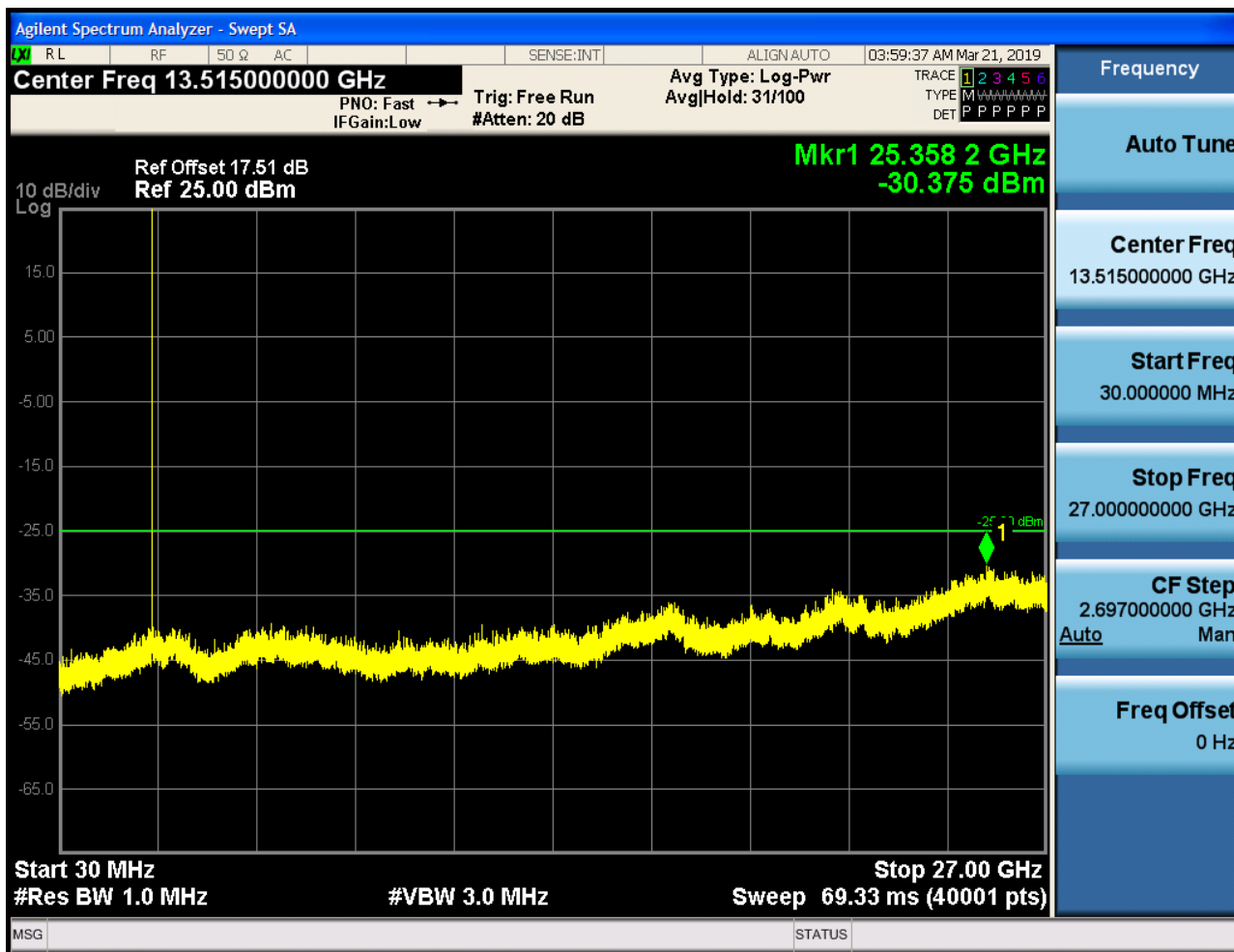


6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0





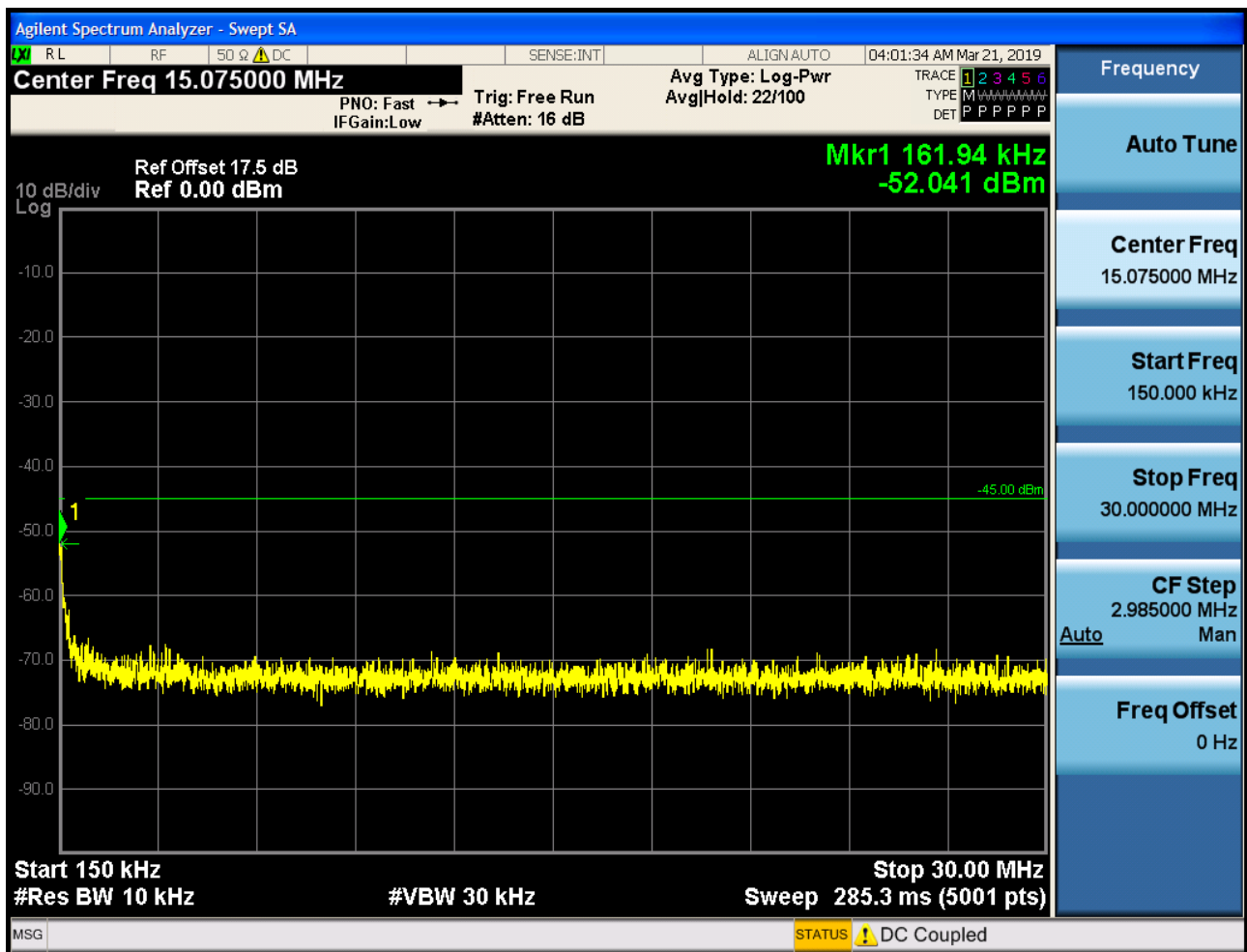


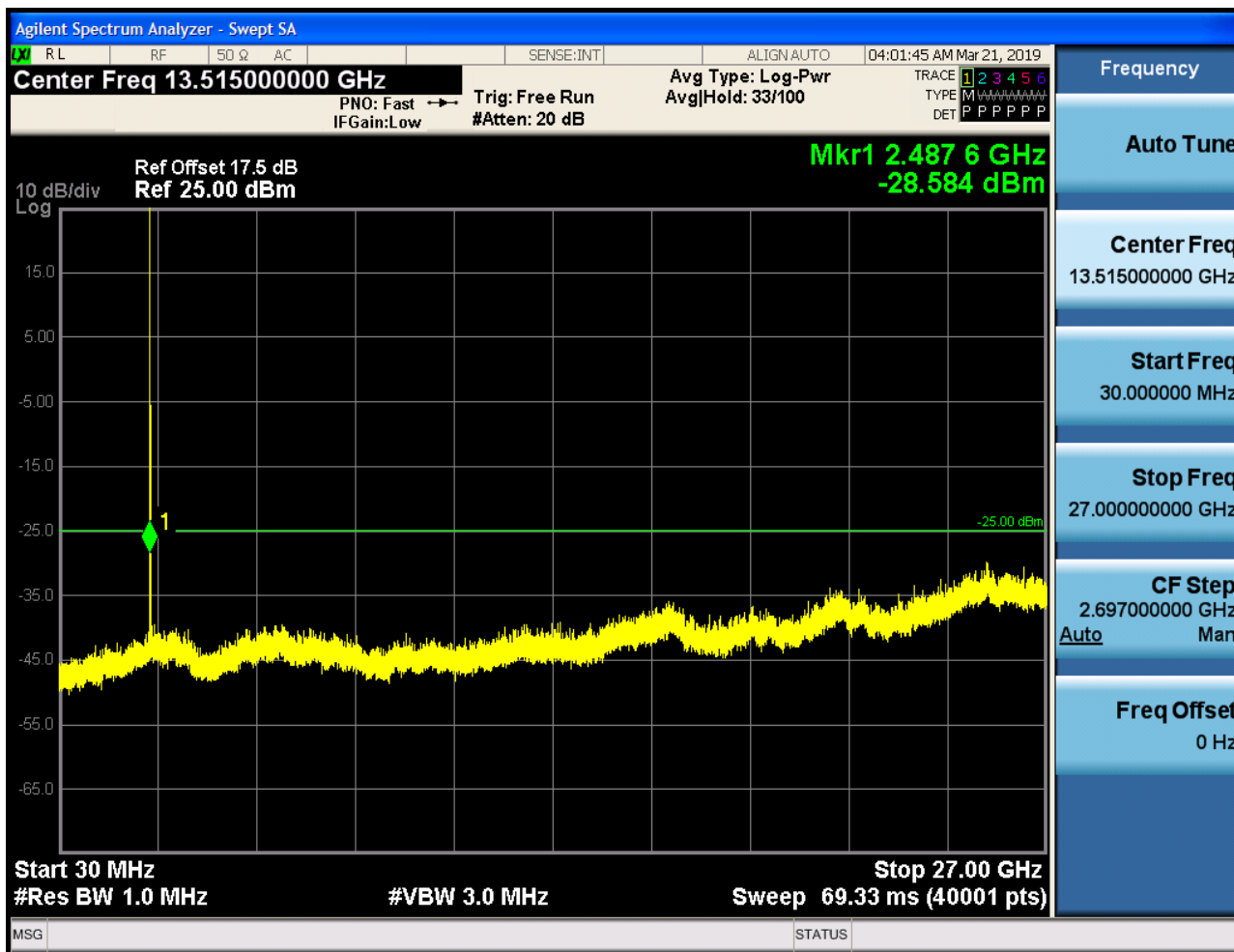
6.2.1.1.3 Test Bandwidth = 15

6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0



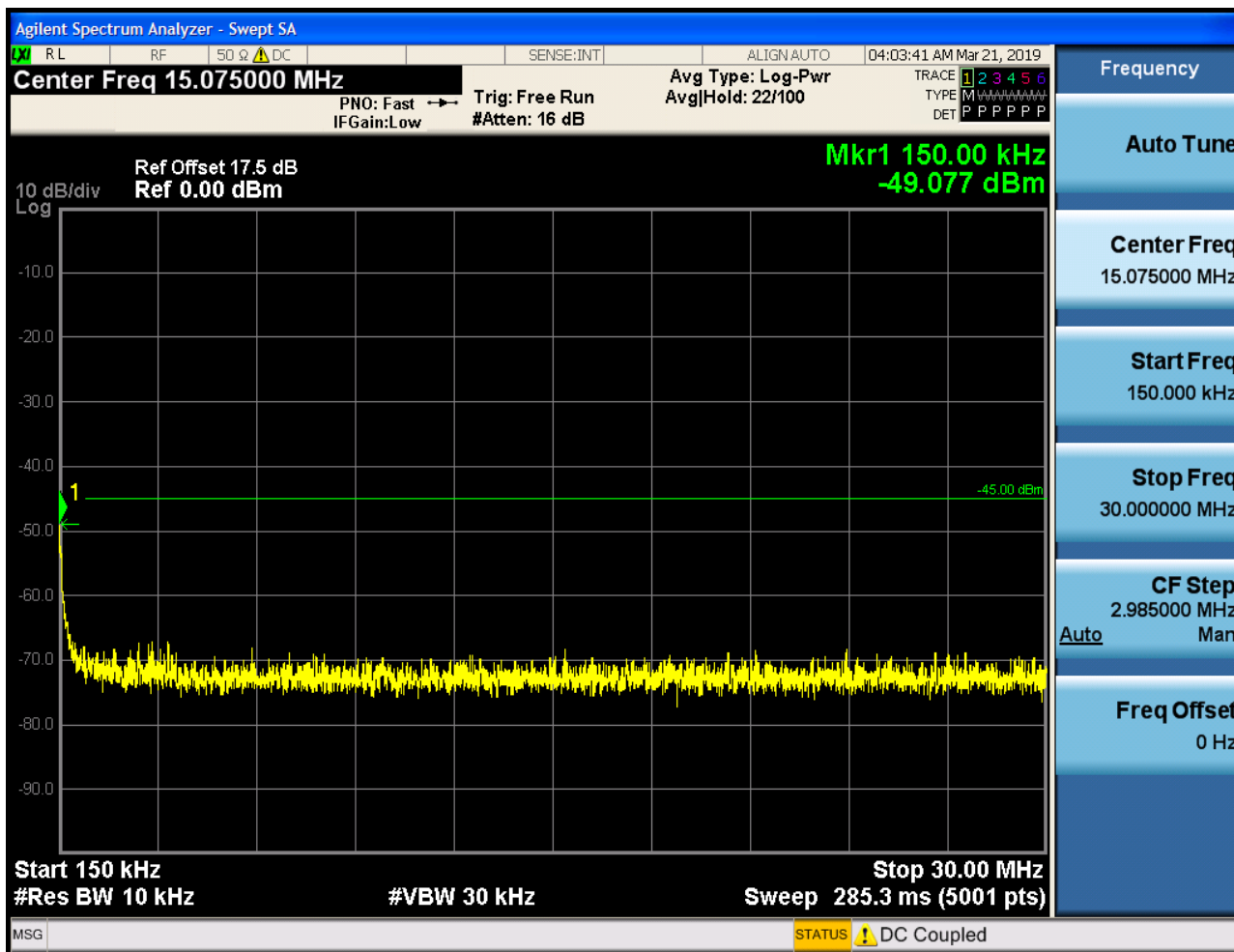


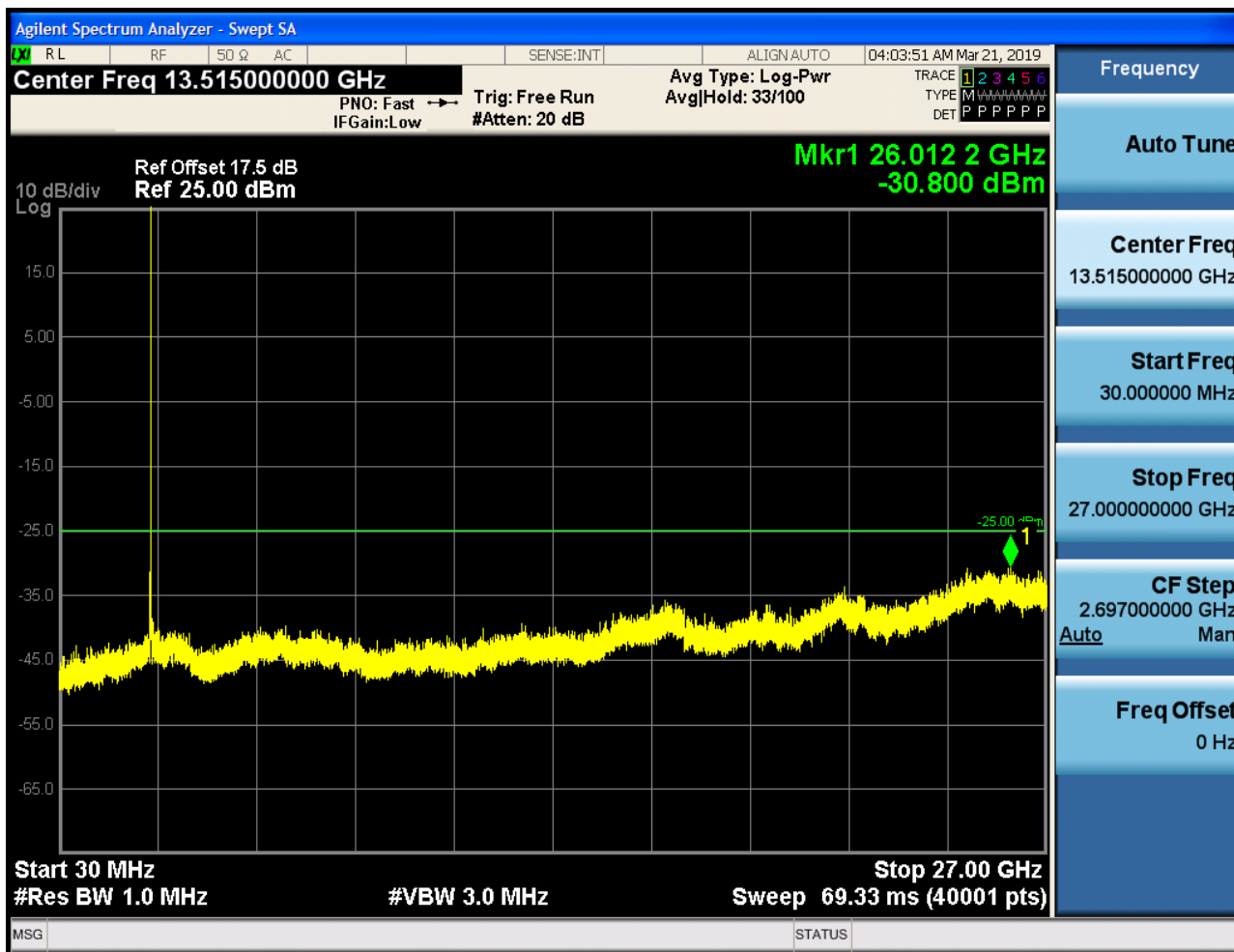


6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0



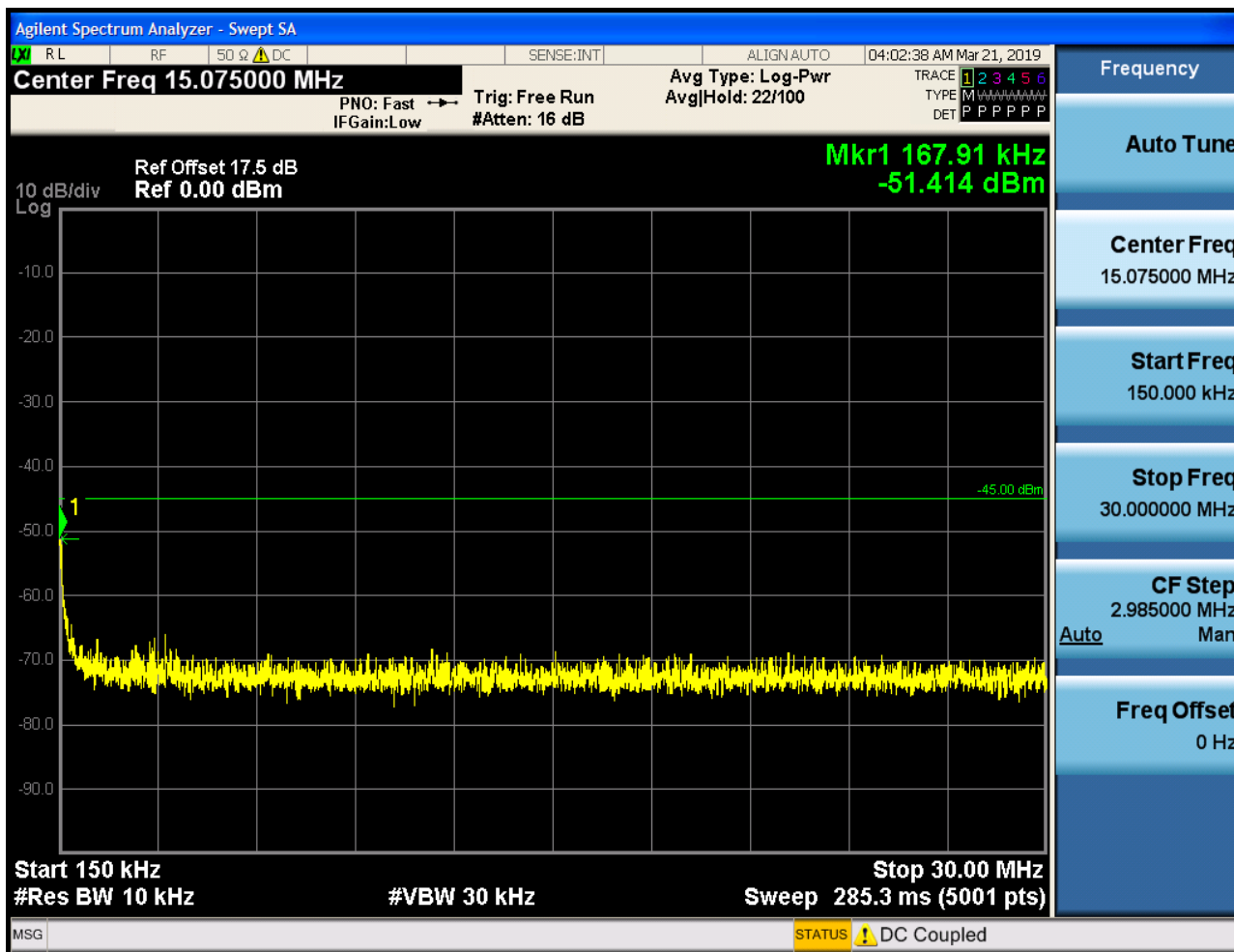


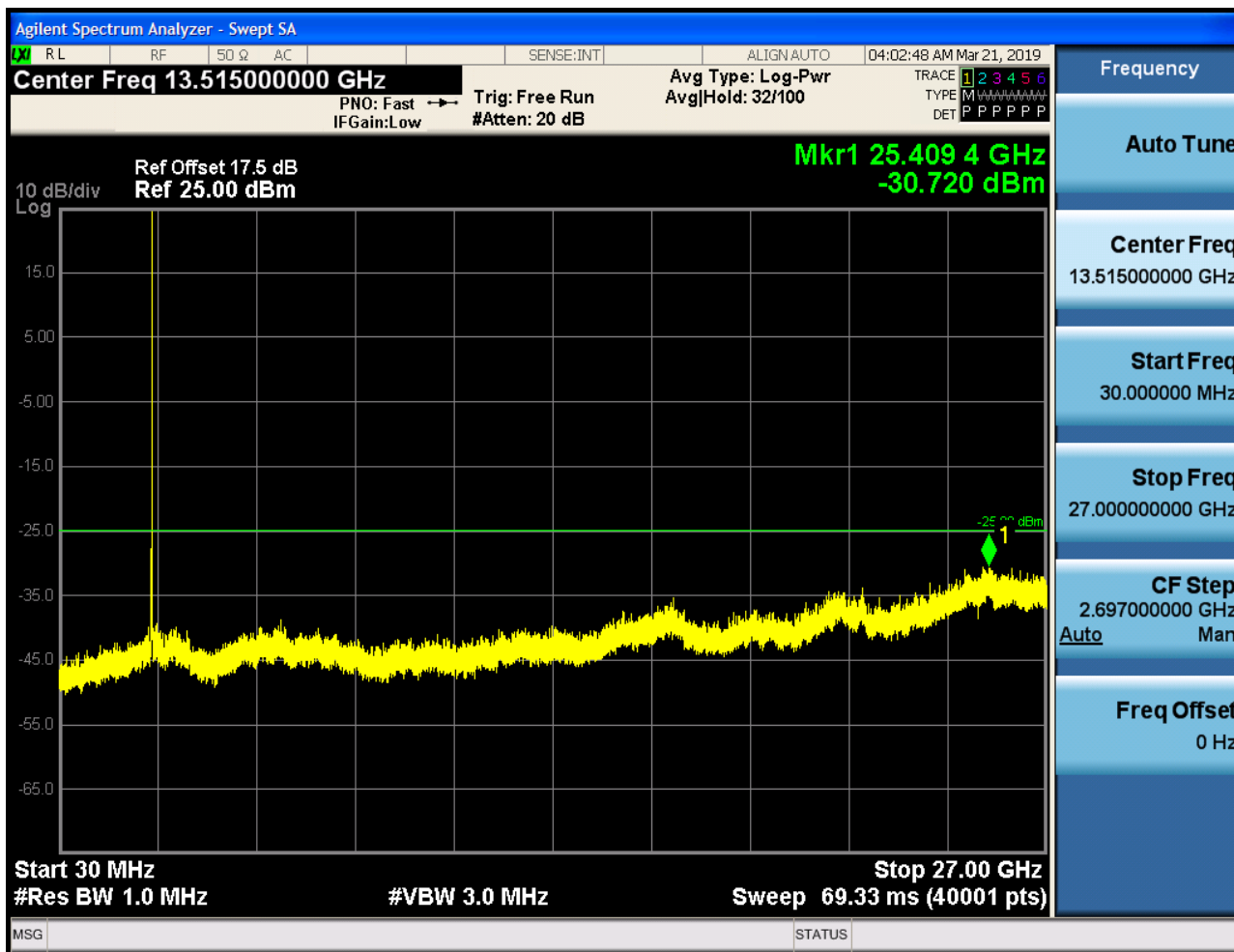


6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0





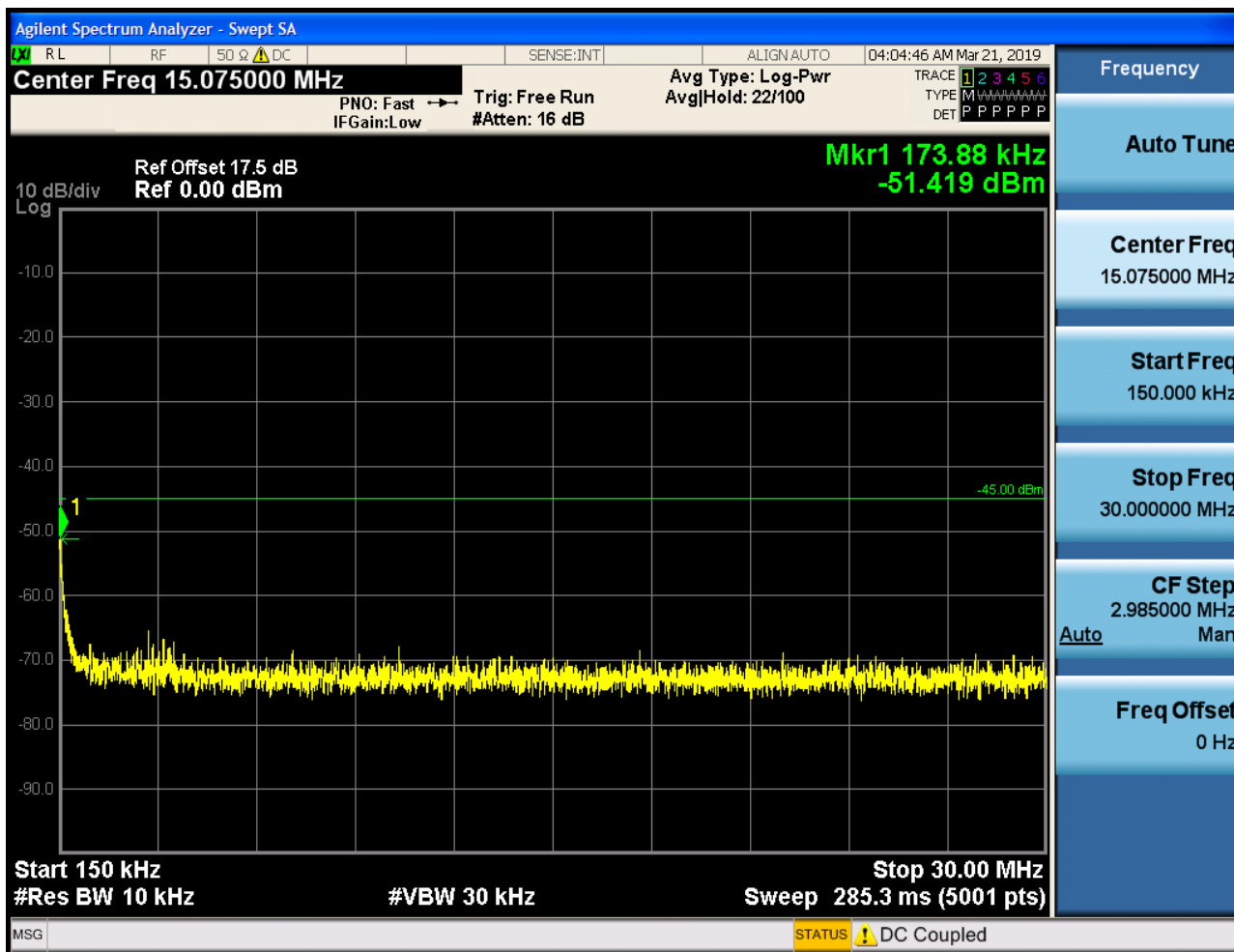


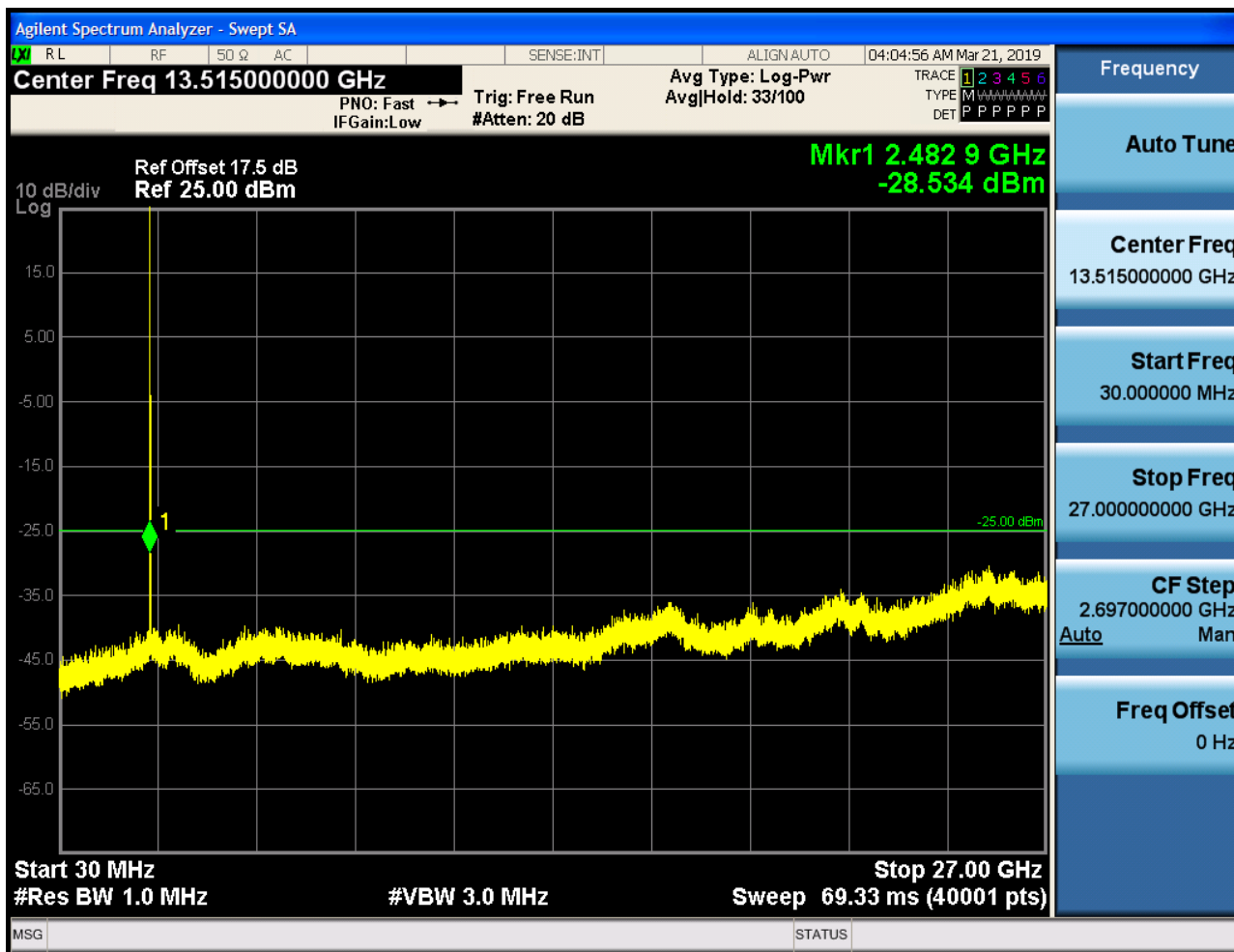
6.2.1.1.4 Test Bandwidth = 20

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0



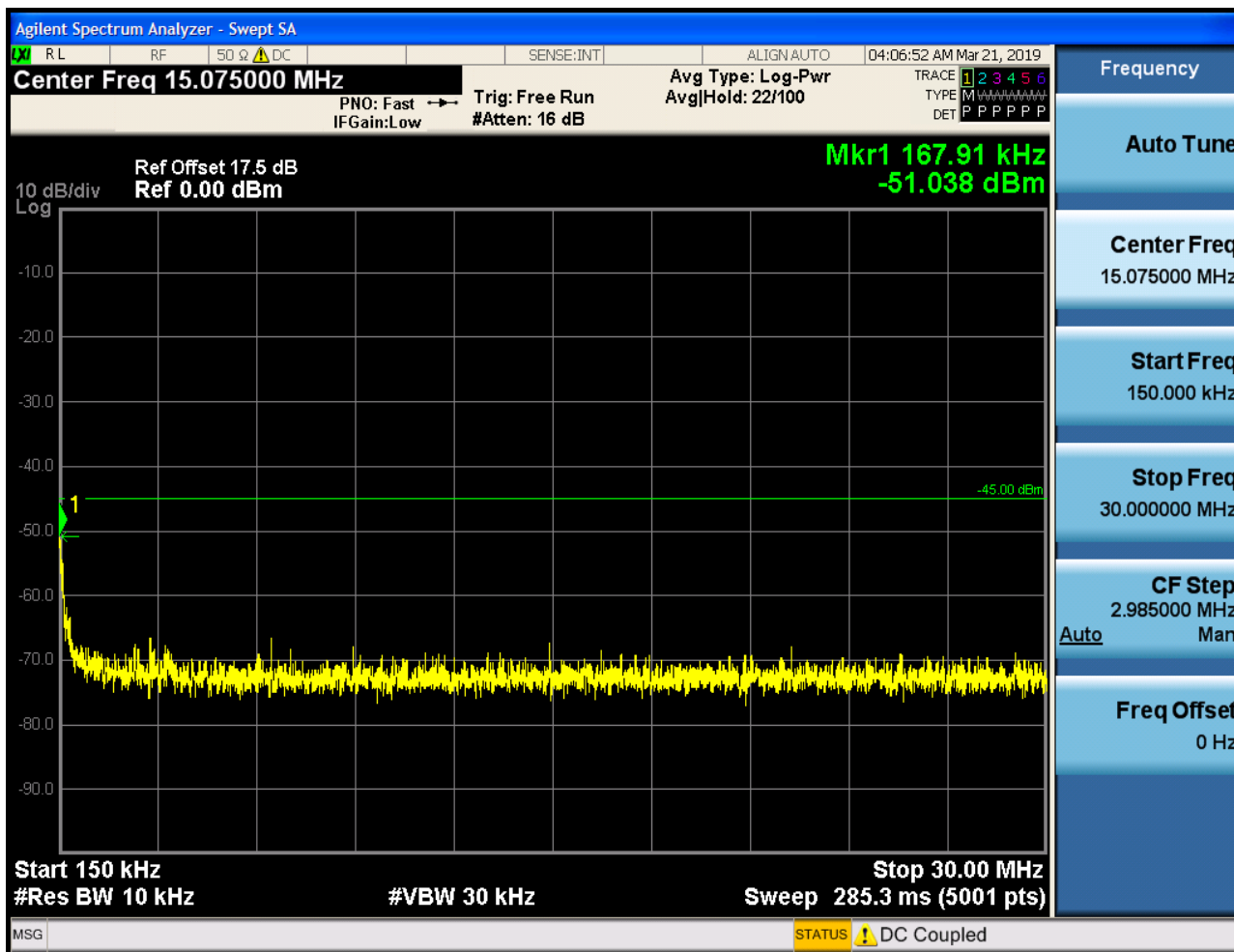


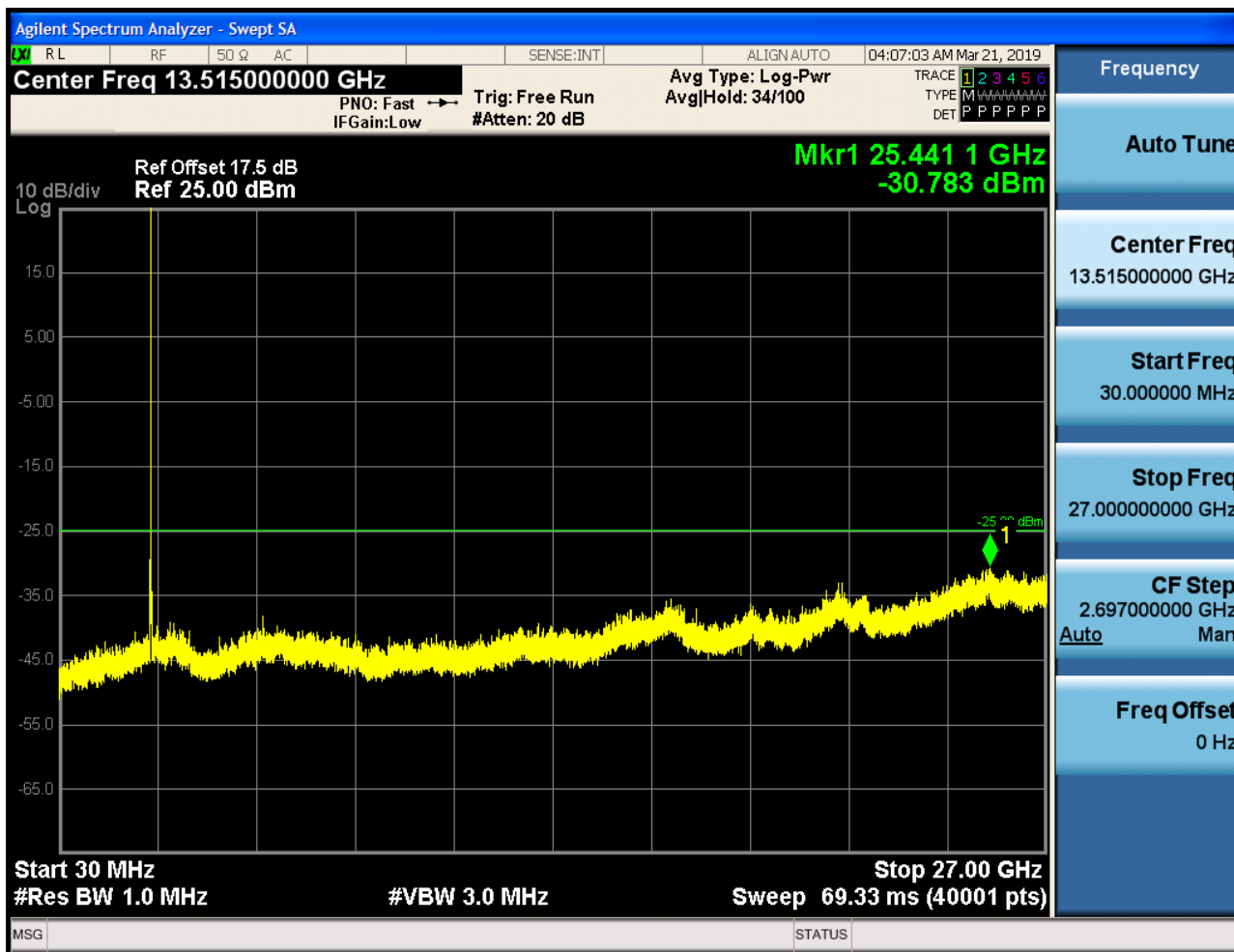


6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0

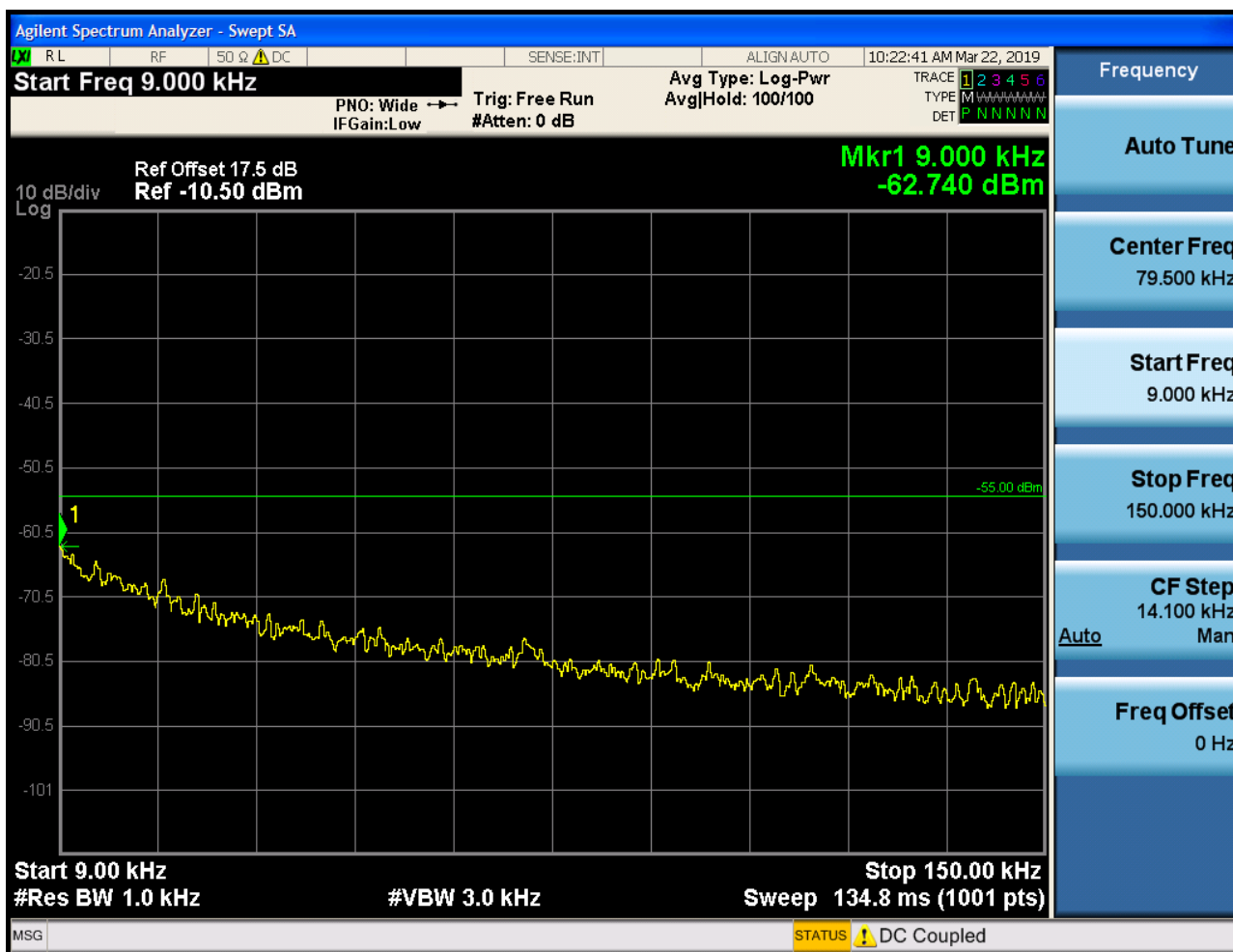


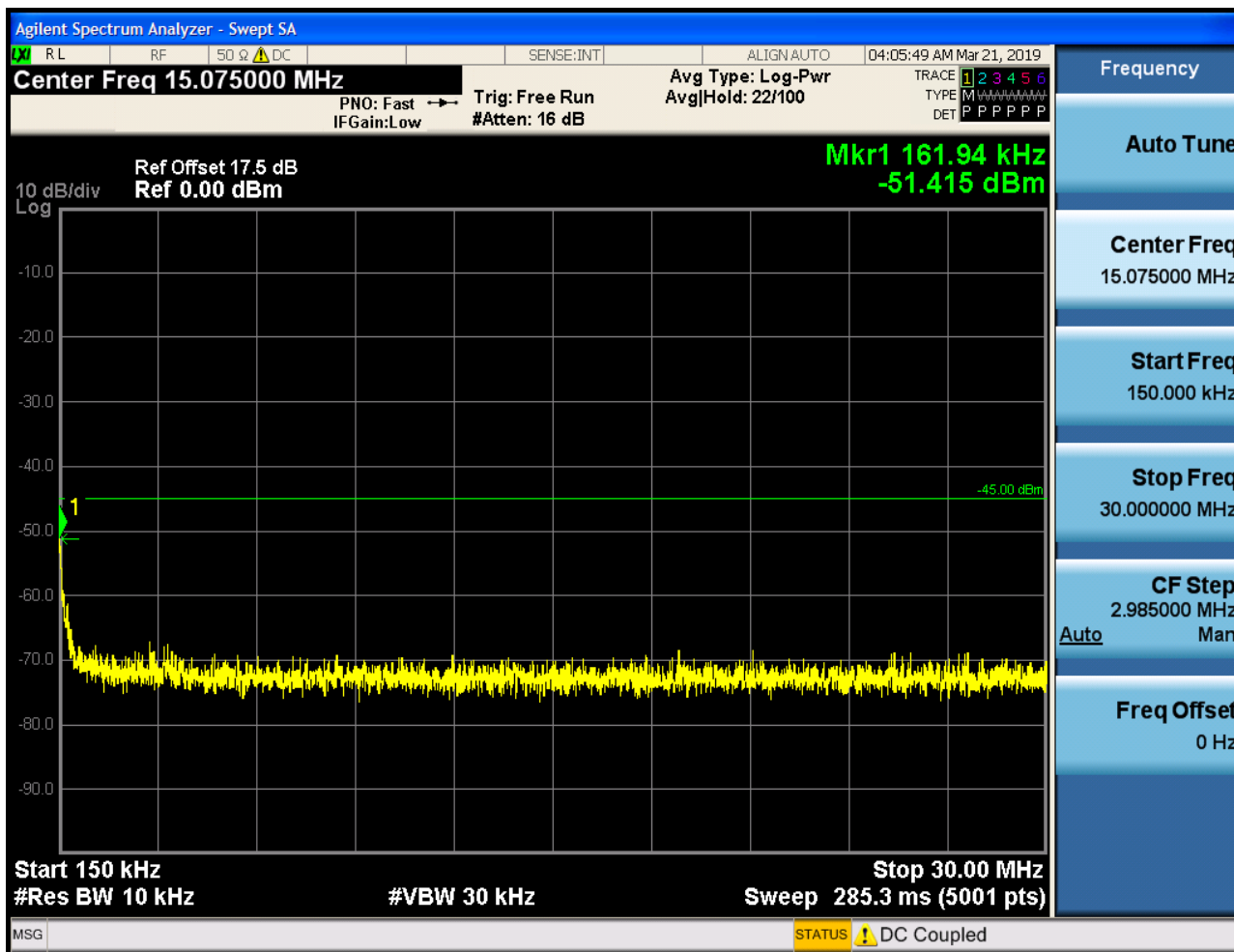


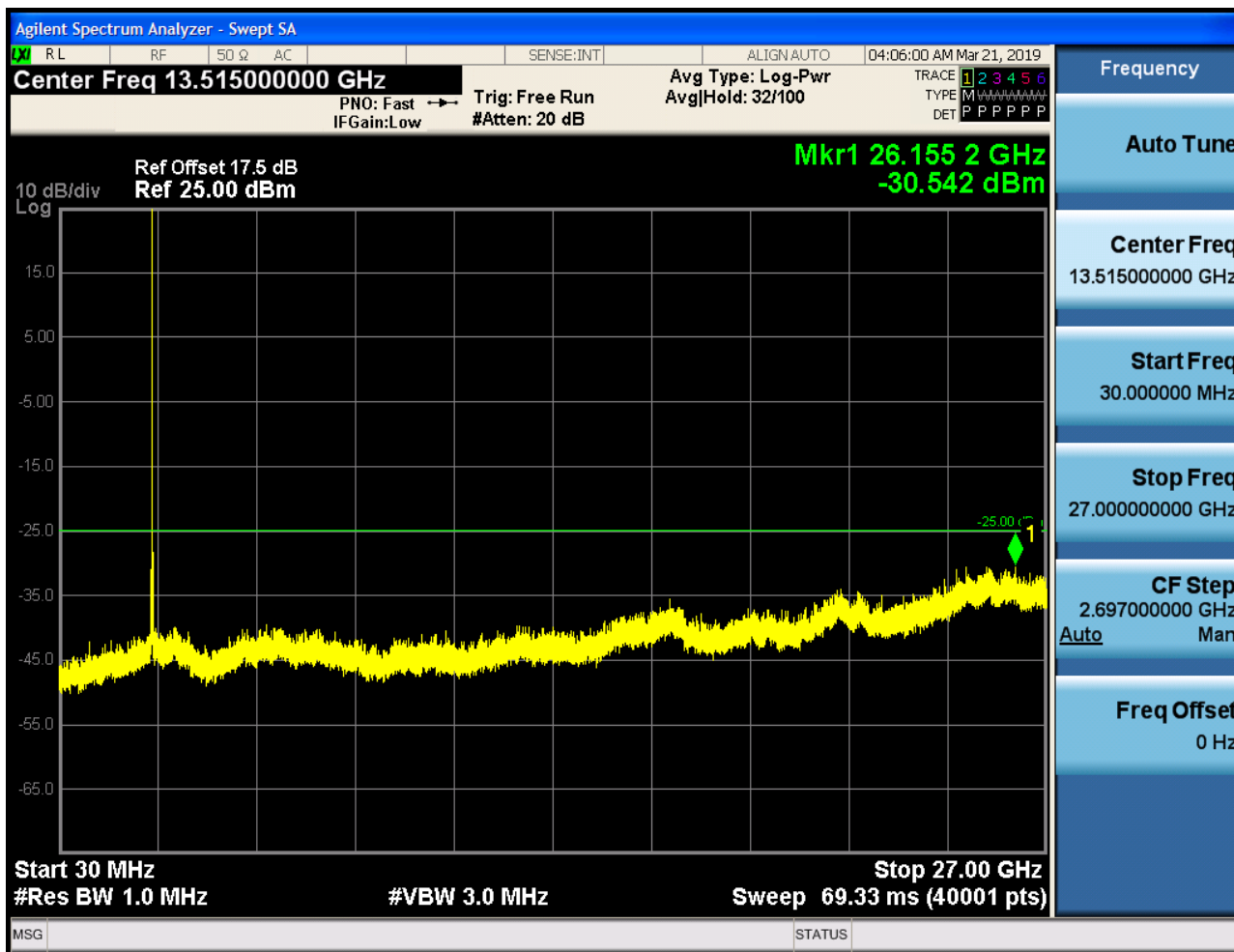


6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0







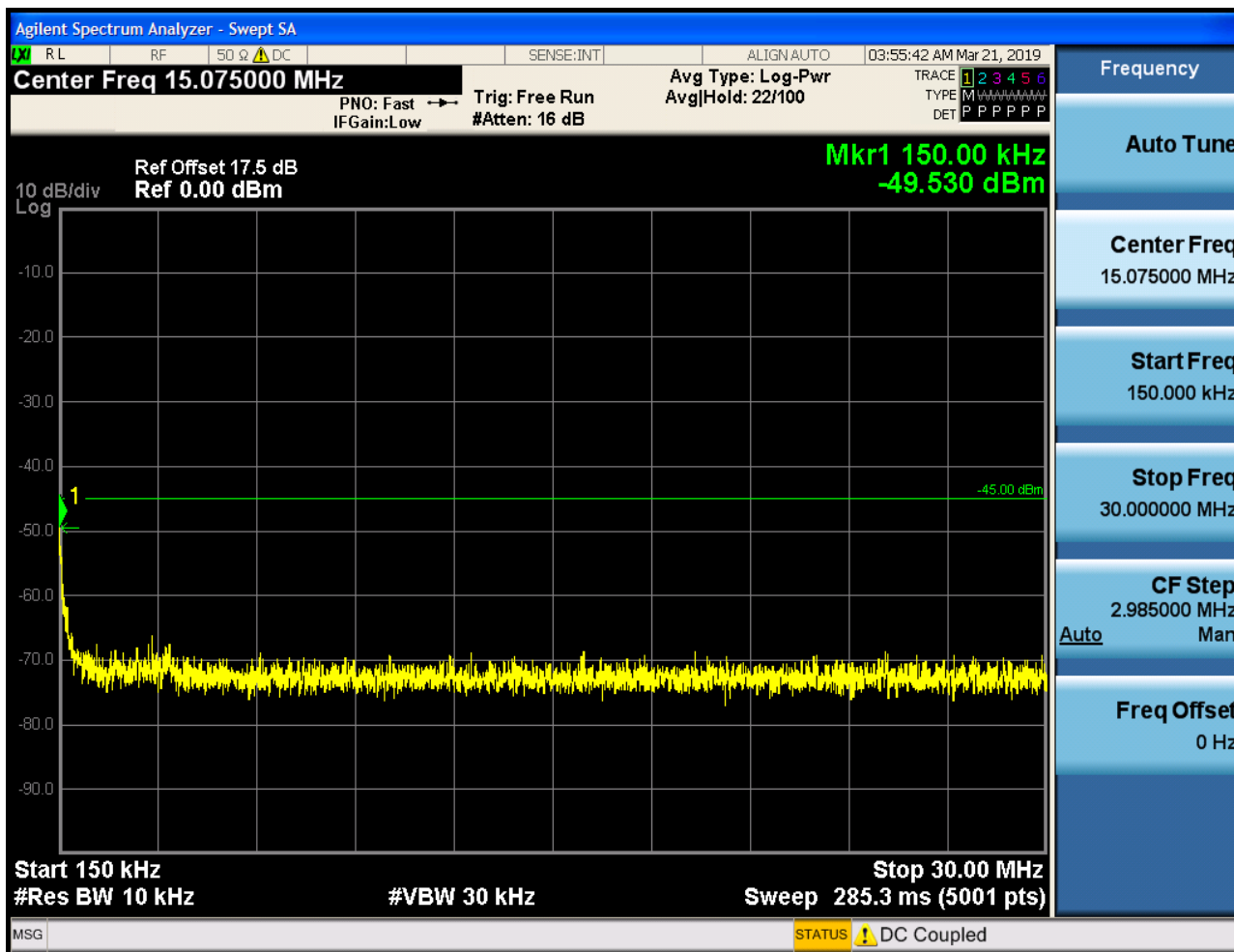
6.2.1.2 Test Mode = LTE/TM2

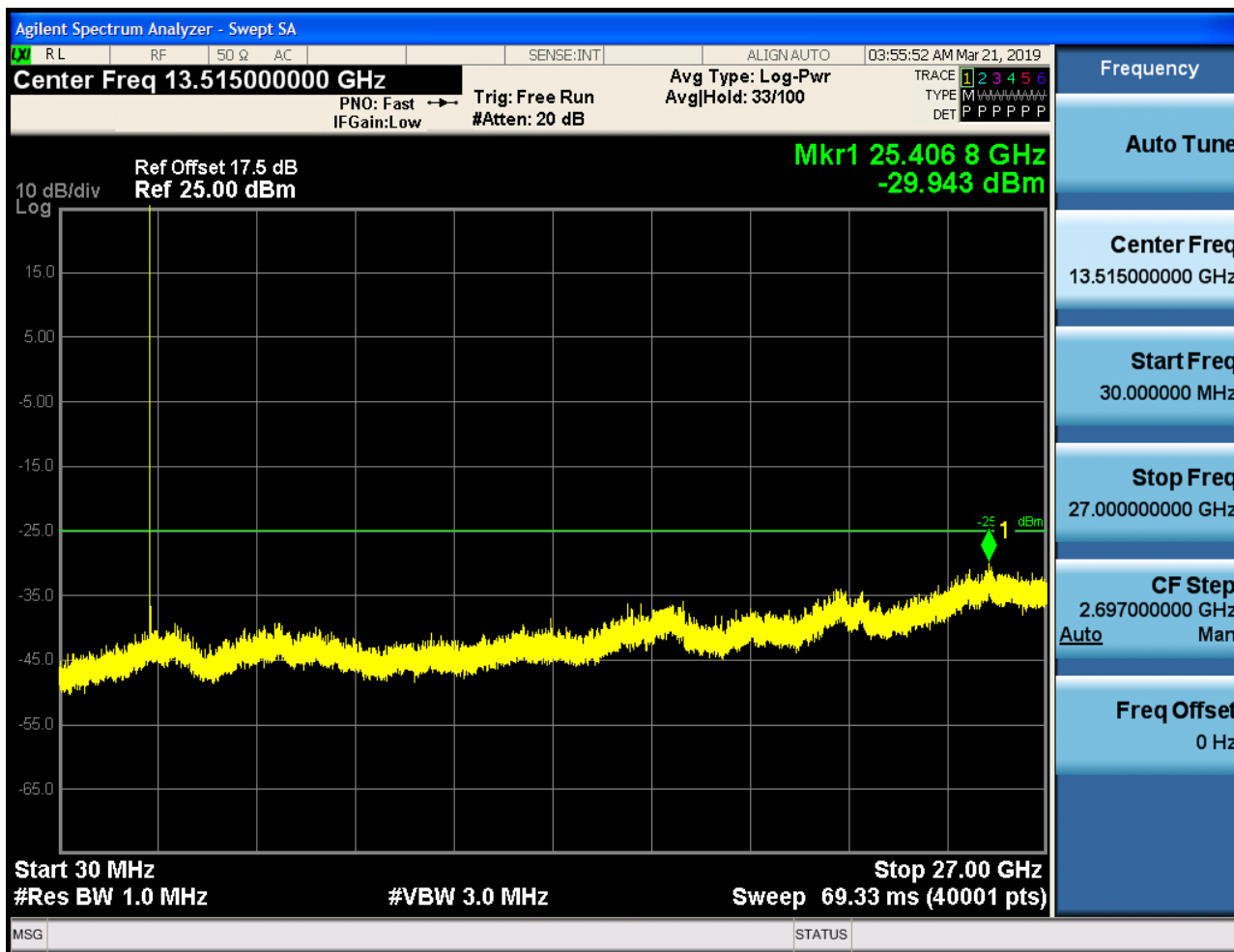
6.2.1.2.1 Test Bandwidth = 5

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0



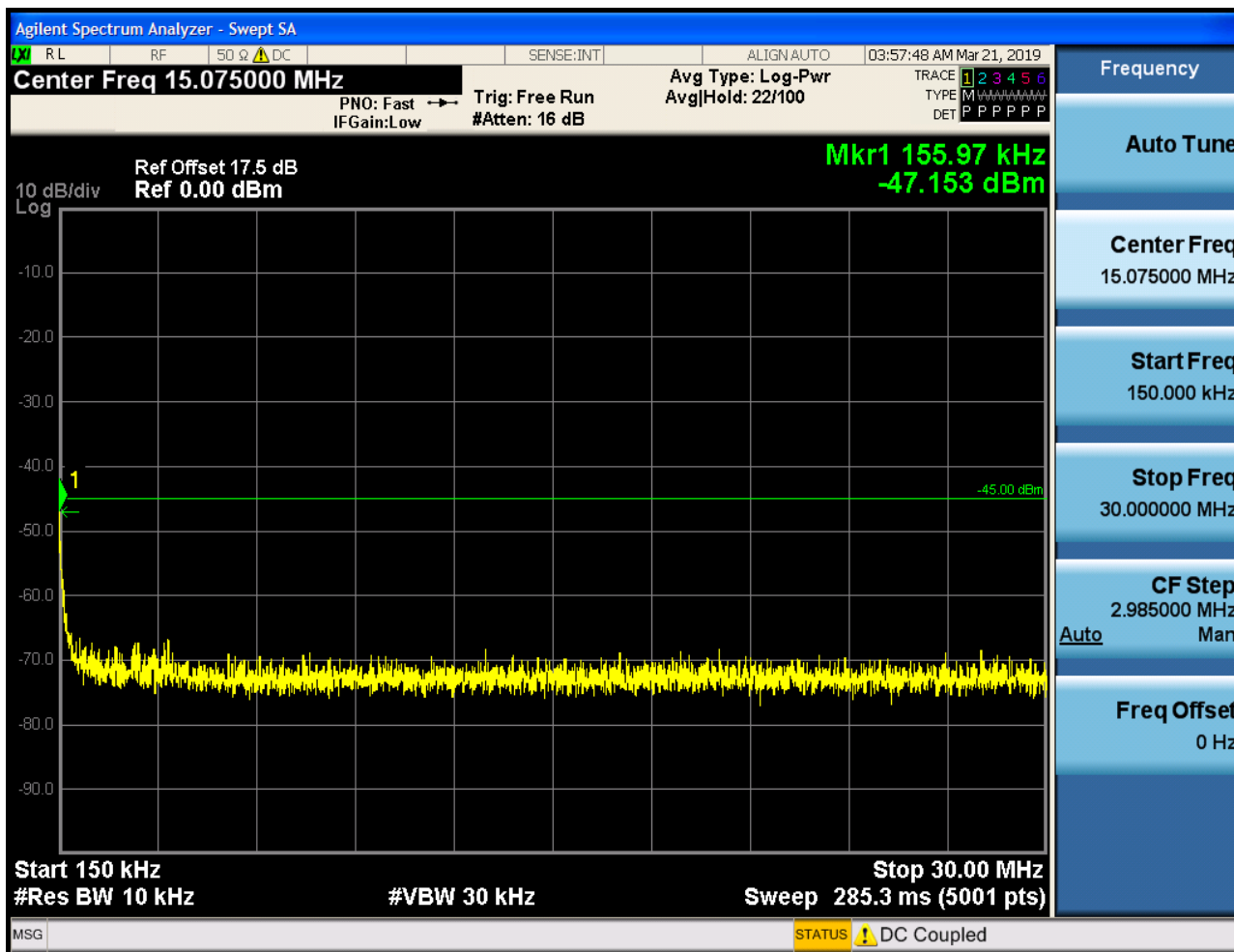


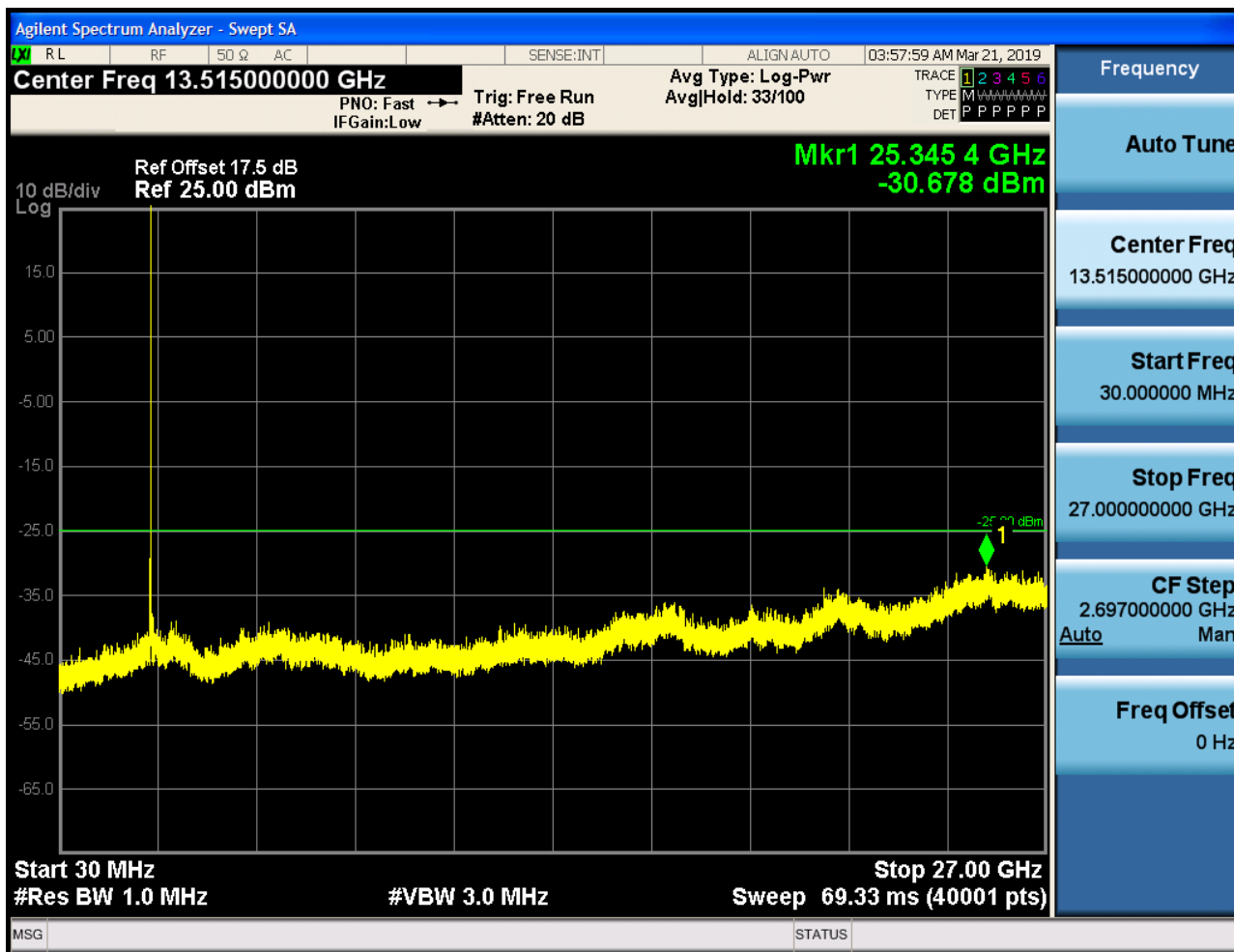


6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0



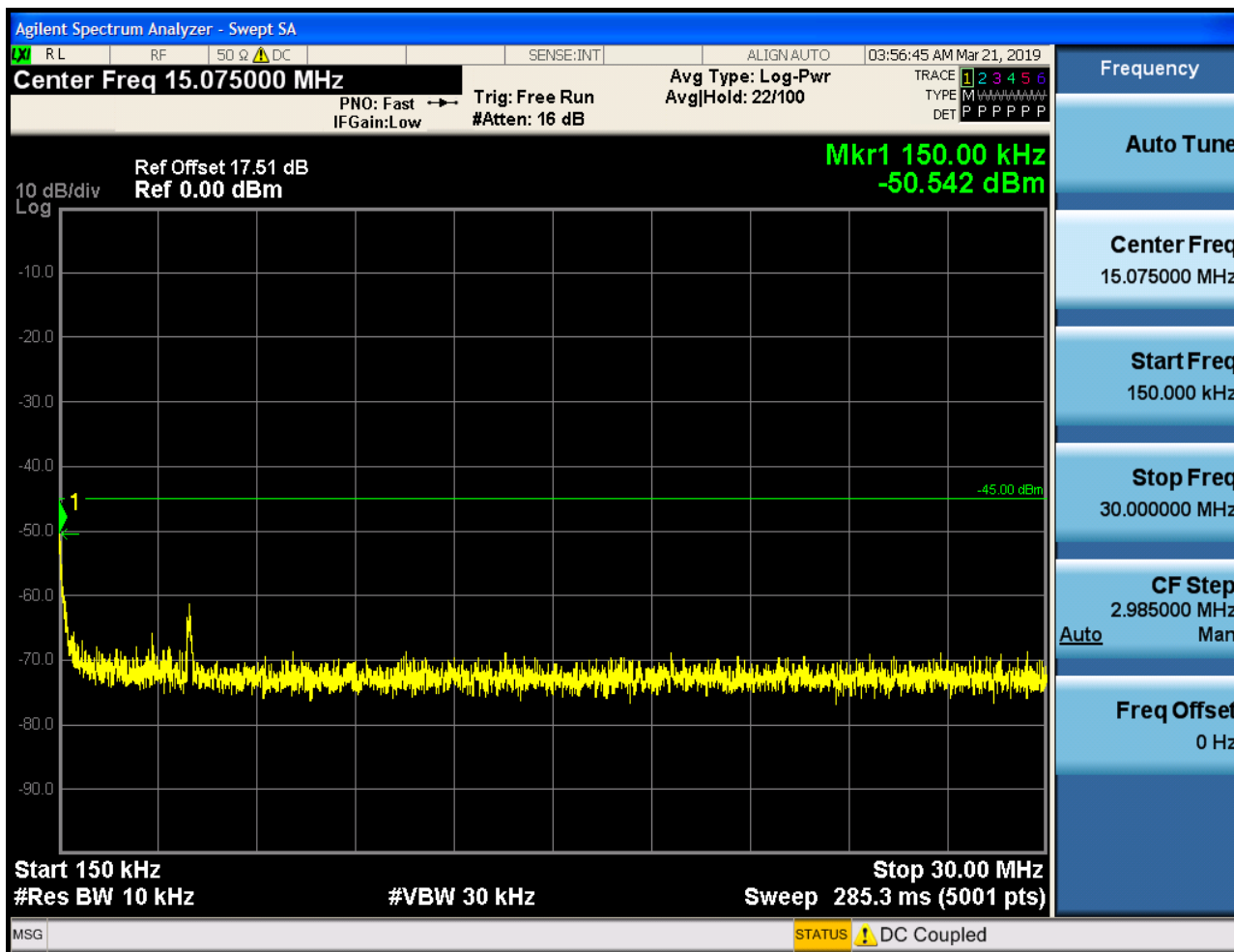


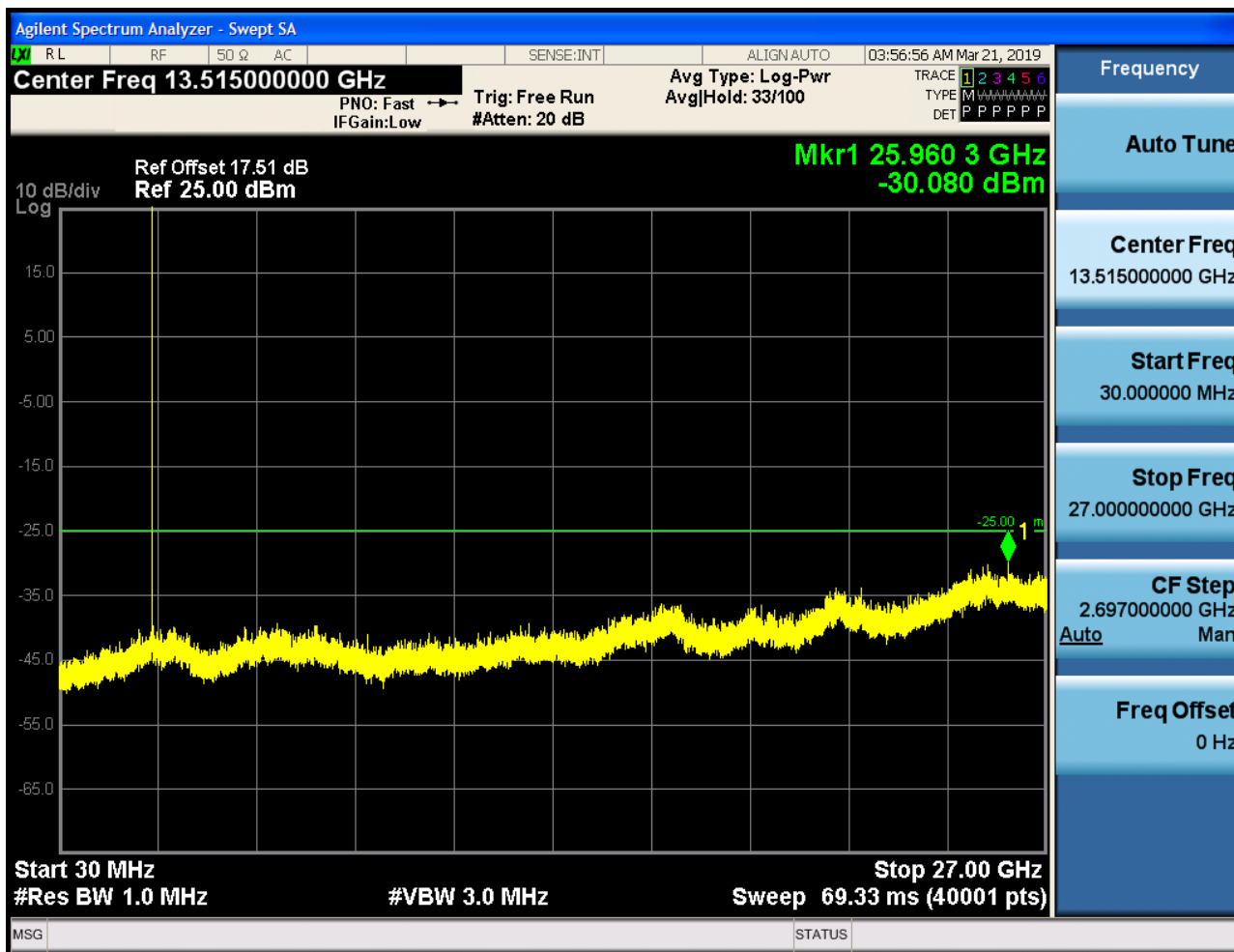


6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0



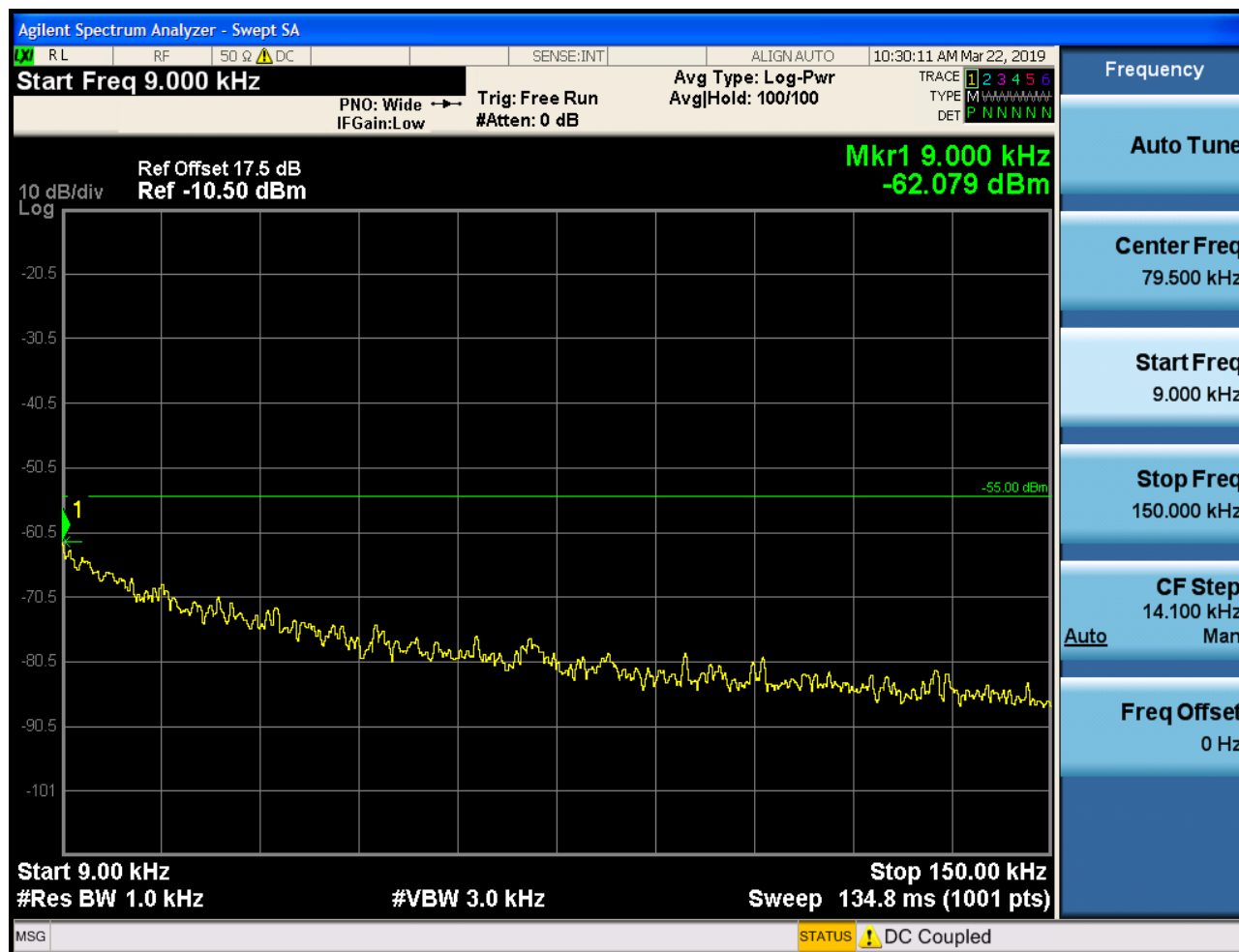


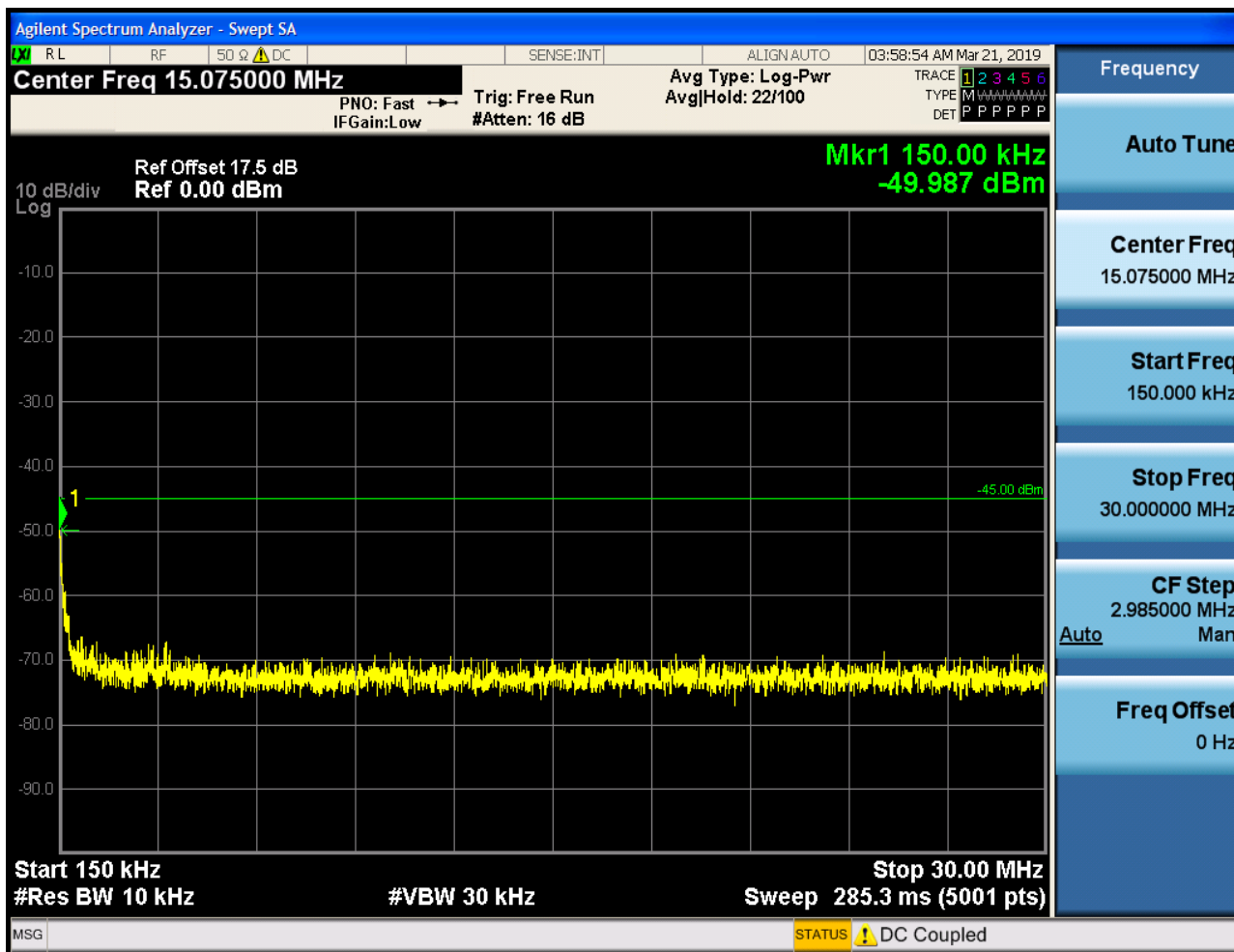


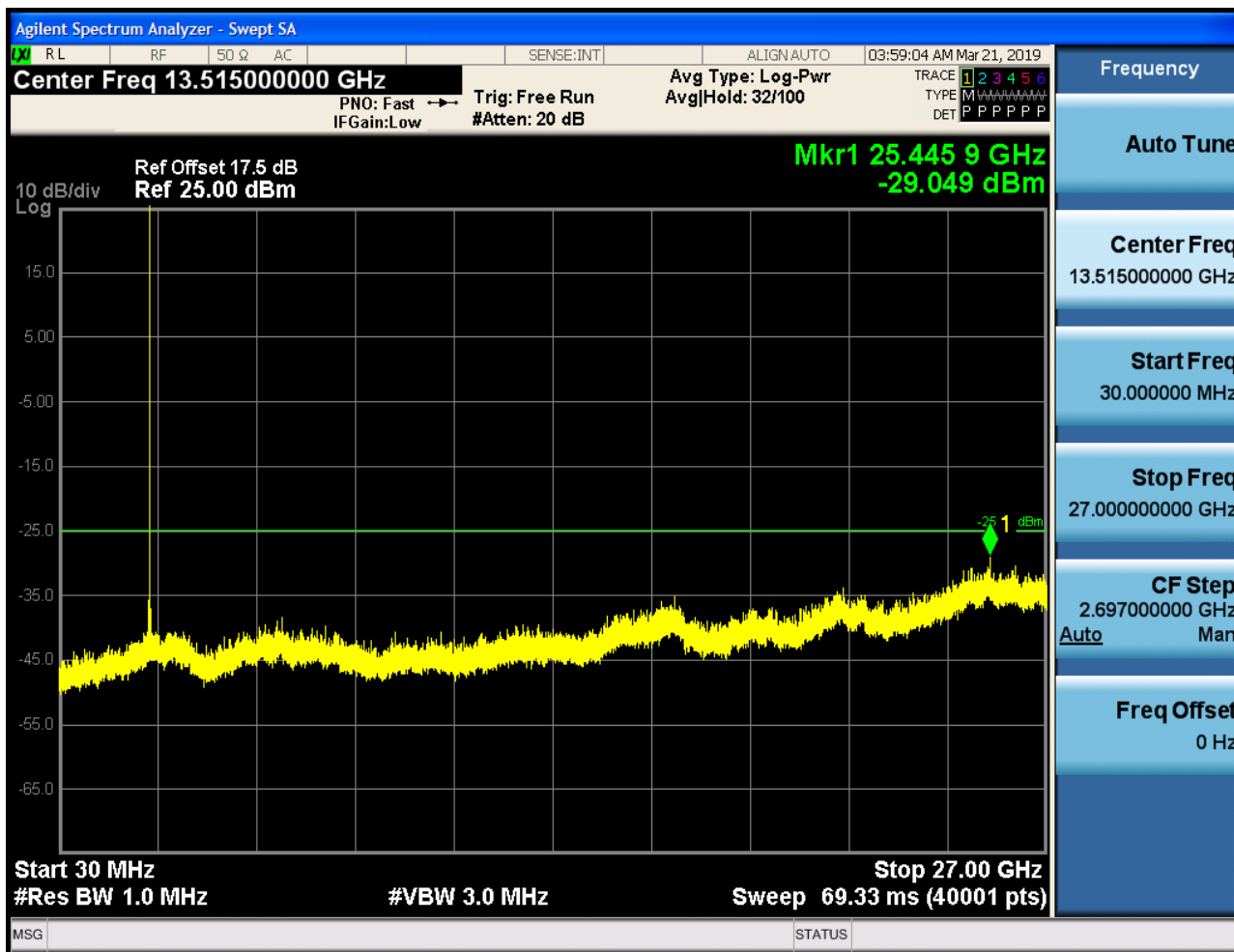
6.2.1.2.2 Test Bandwidth = 10

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0

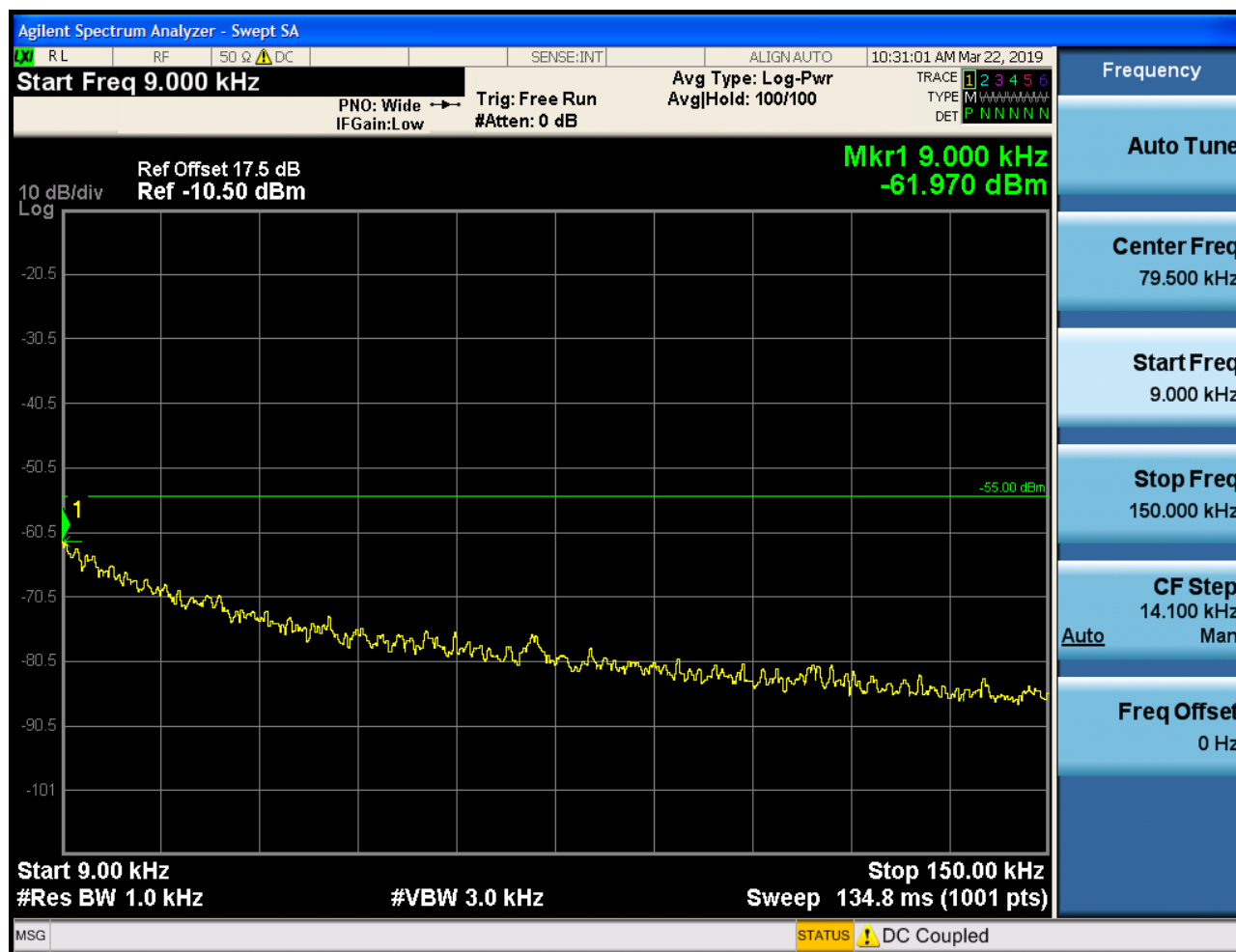


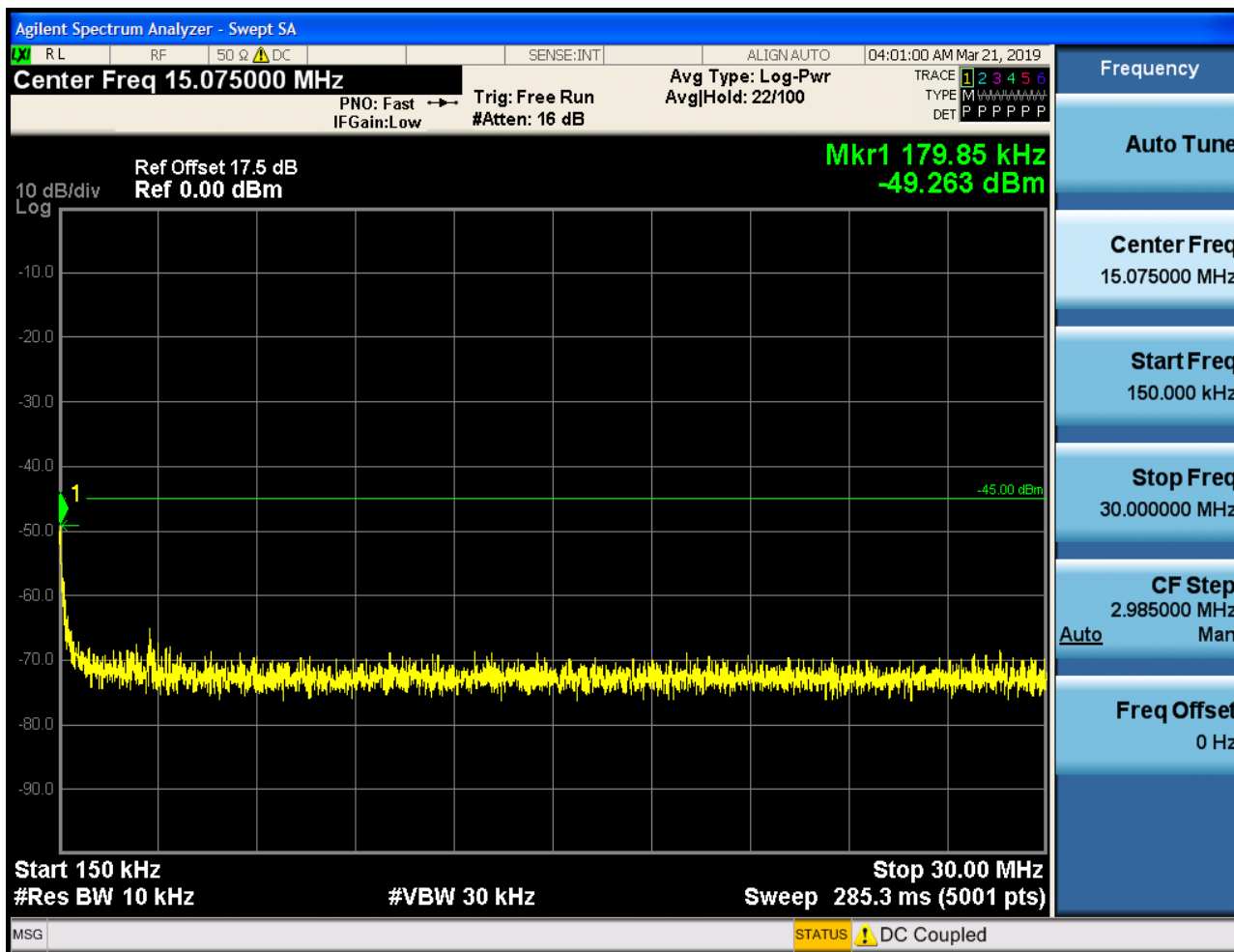


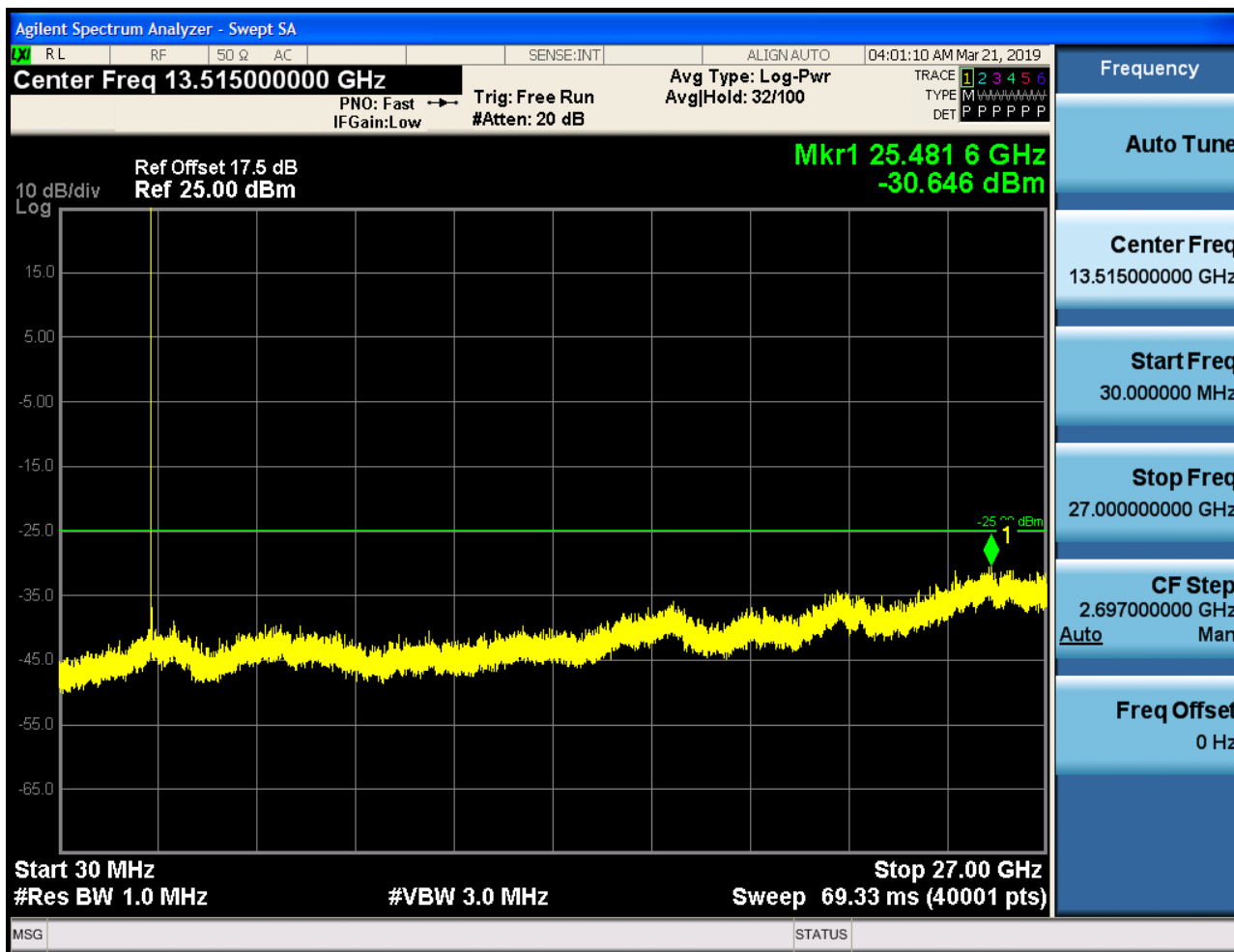


6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0

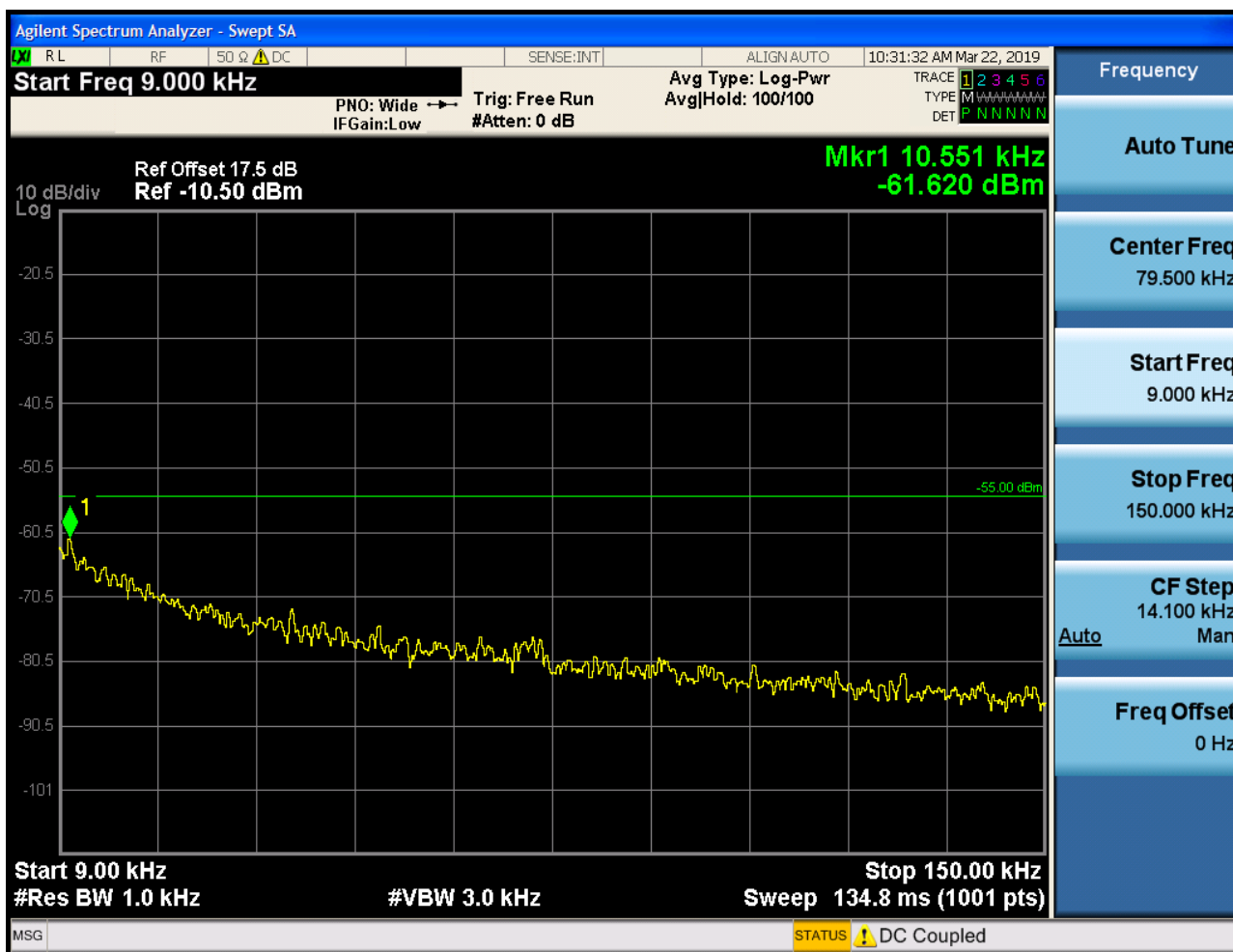


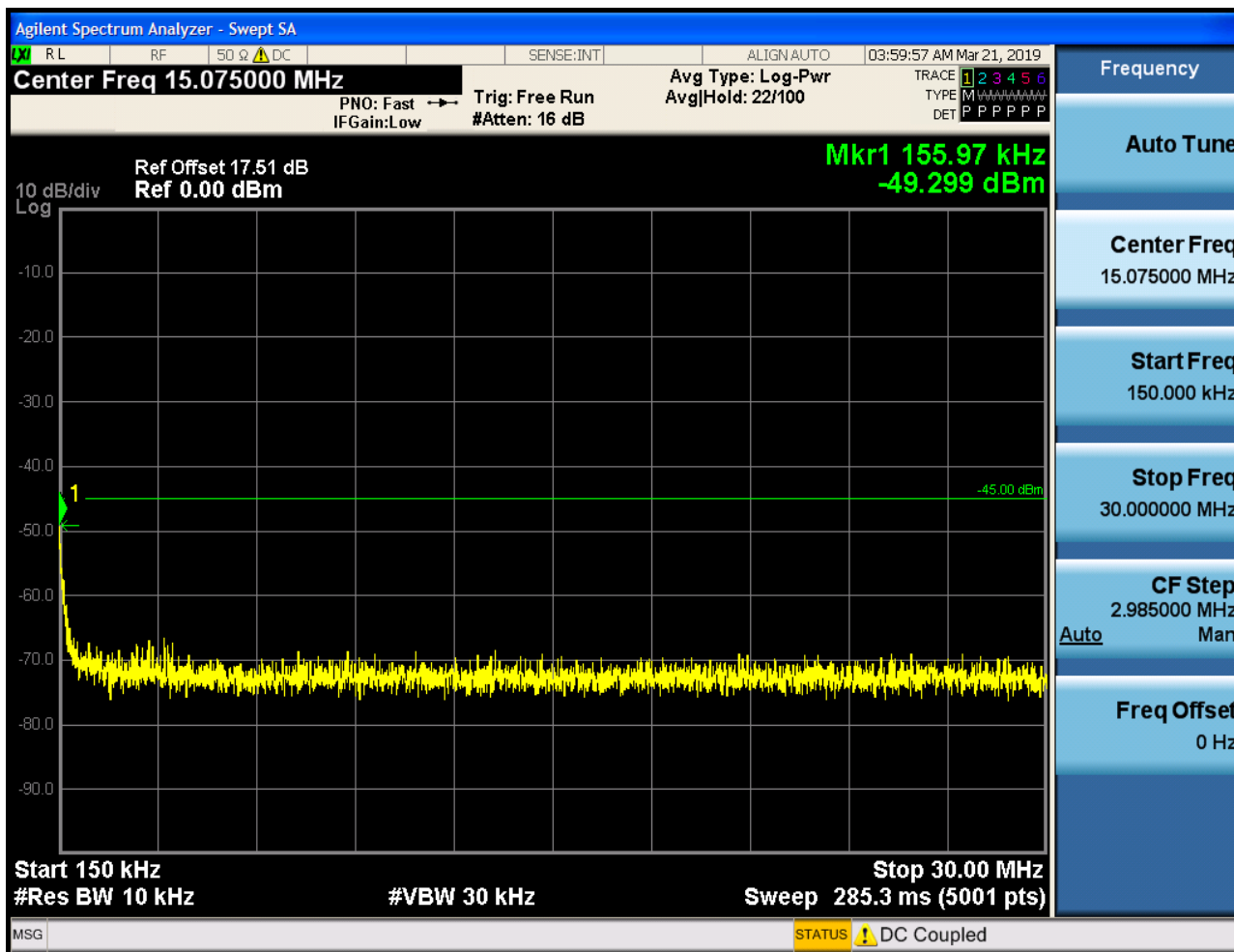


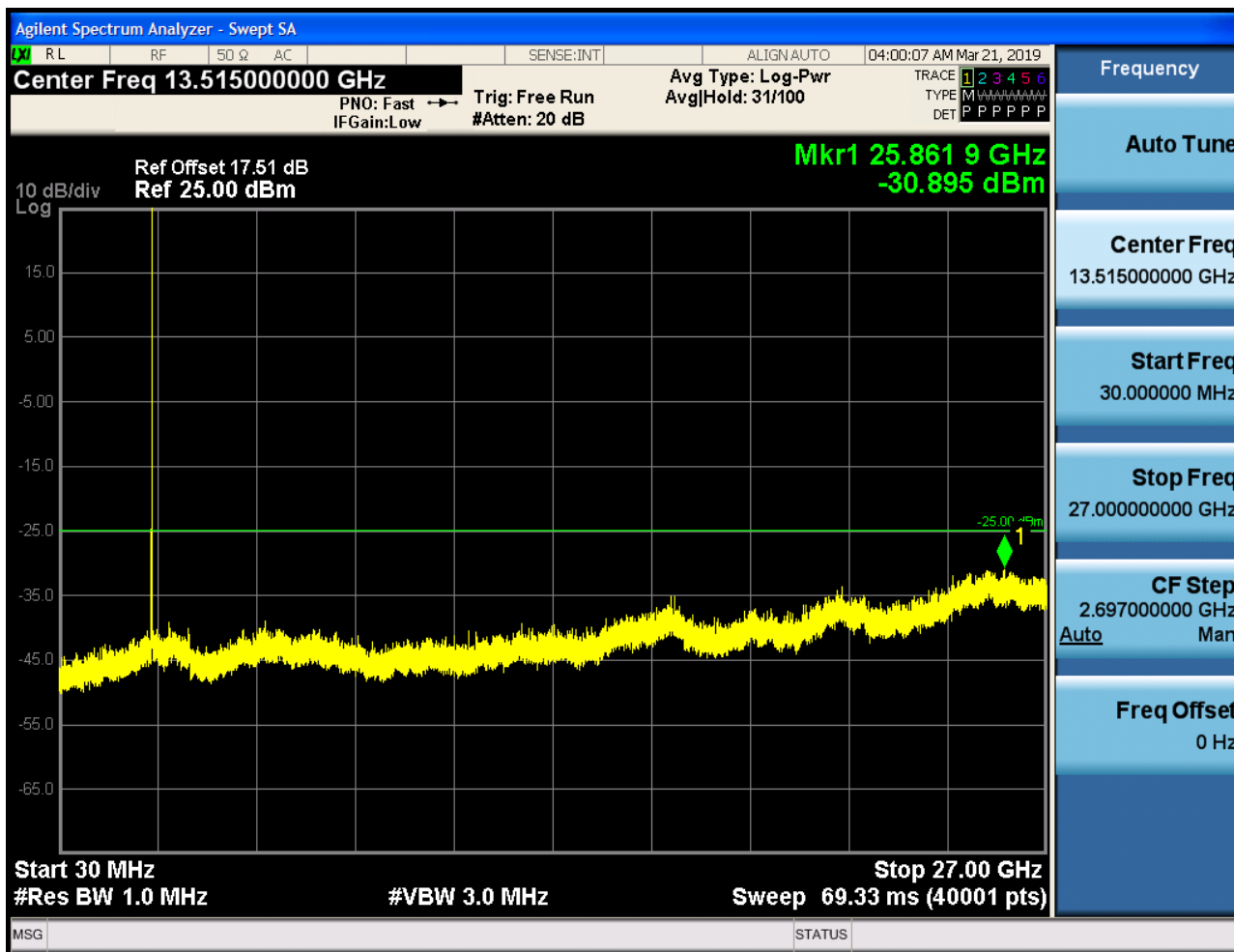


6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0



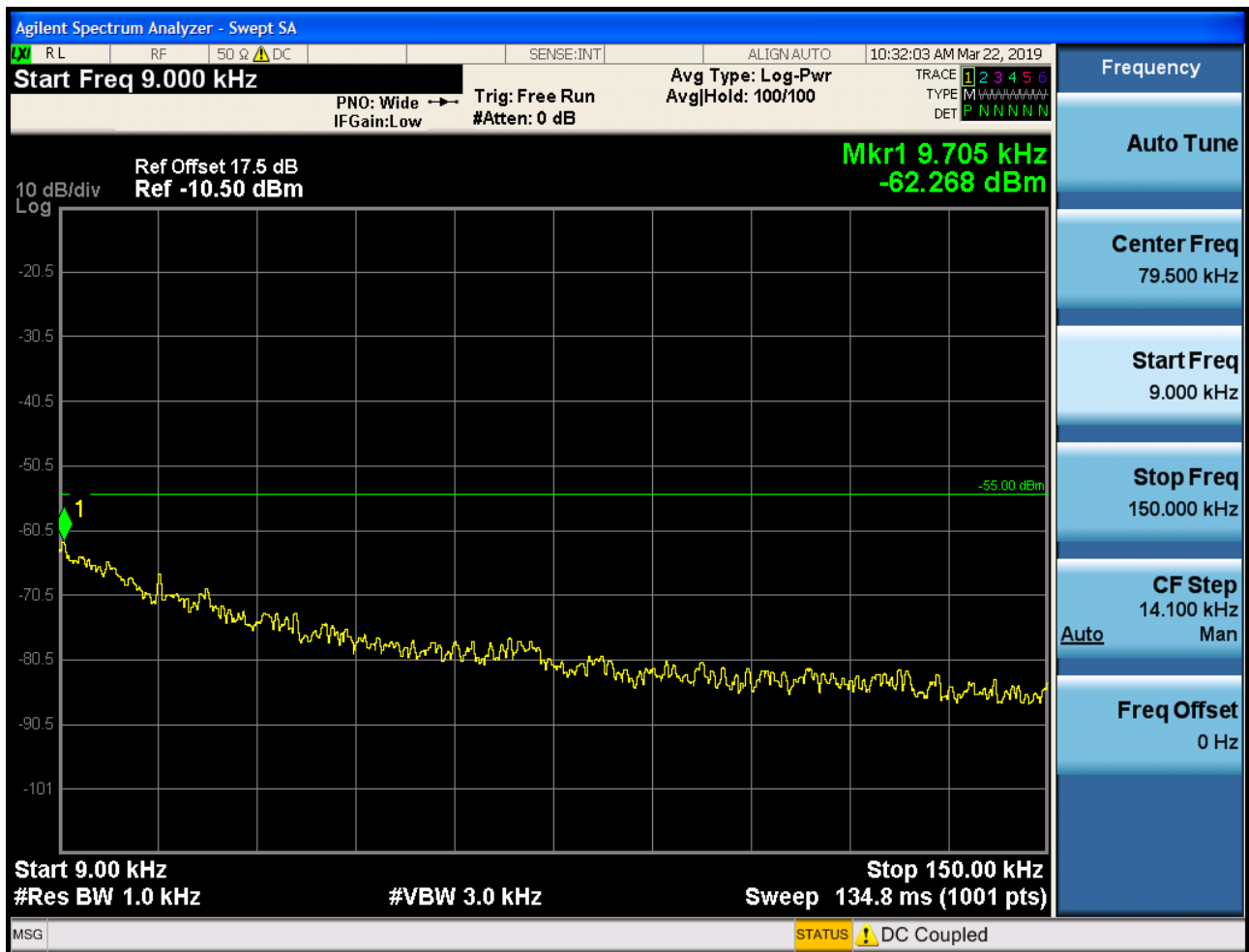


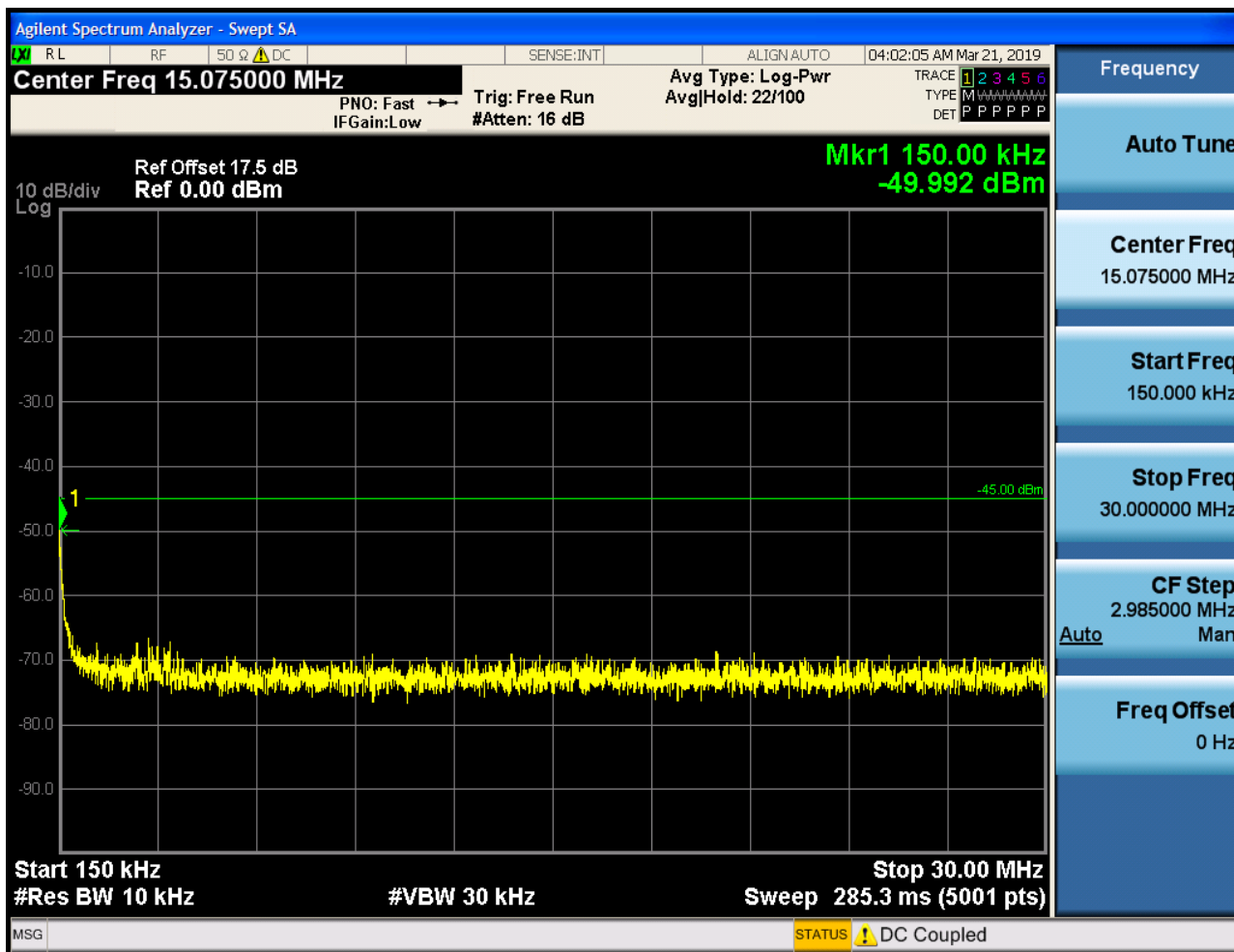


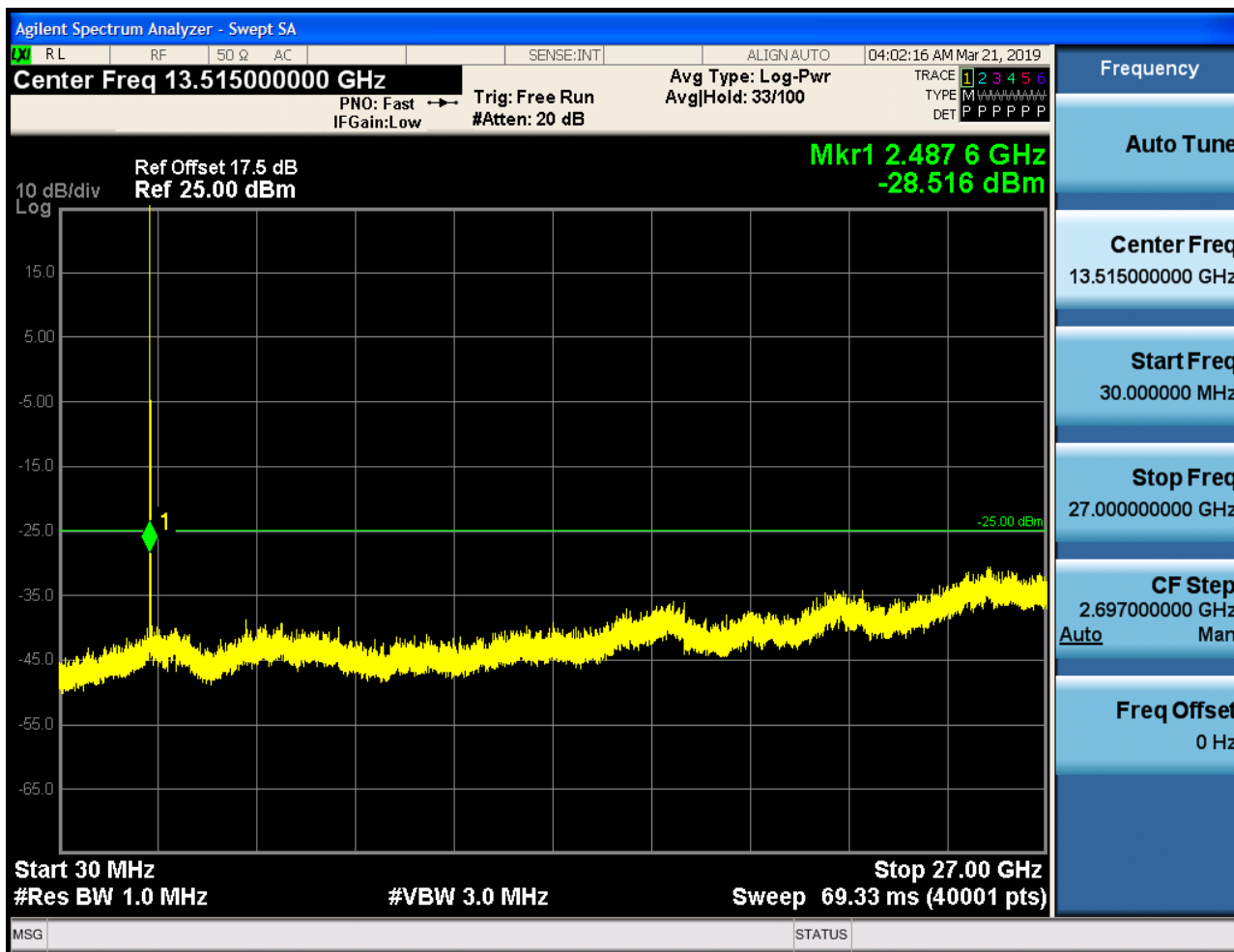
6.2.1.2.3 Test Bandwidth = 15

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0



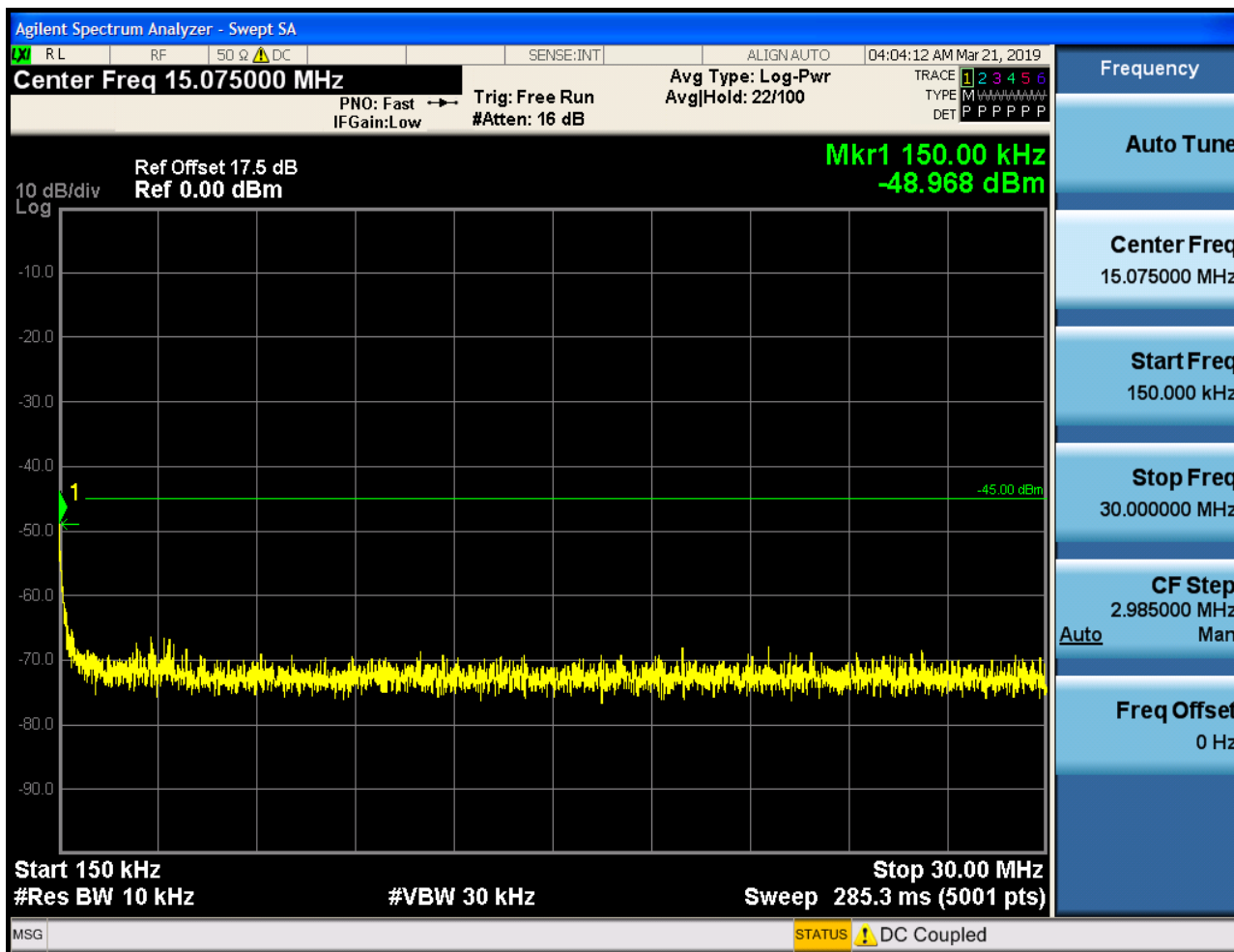


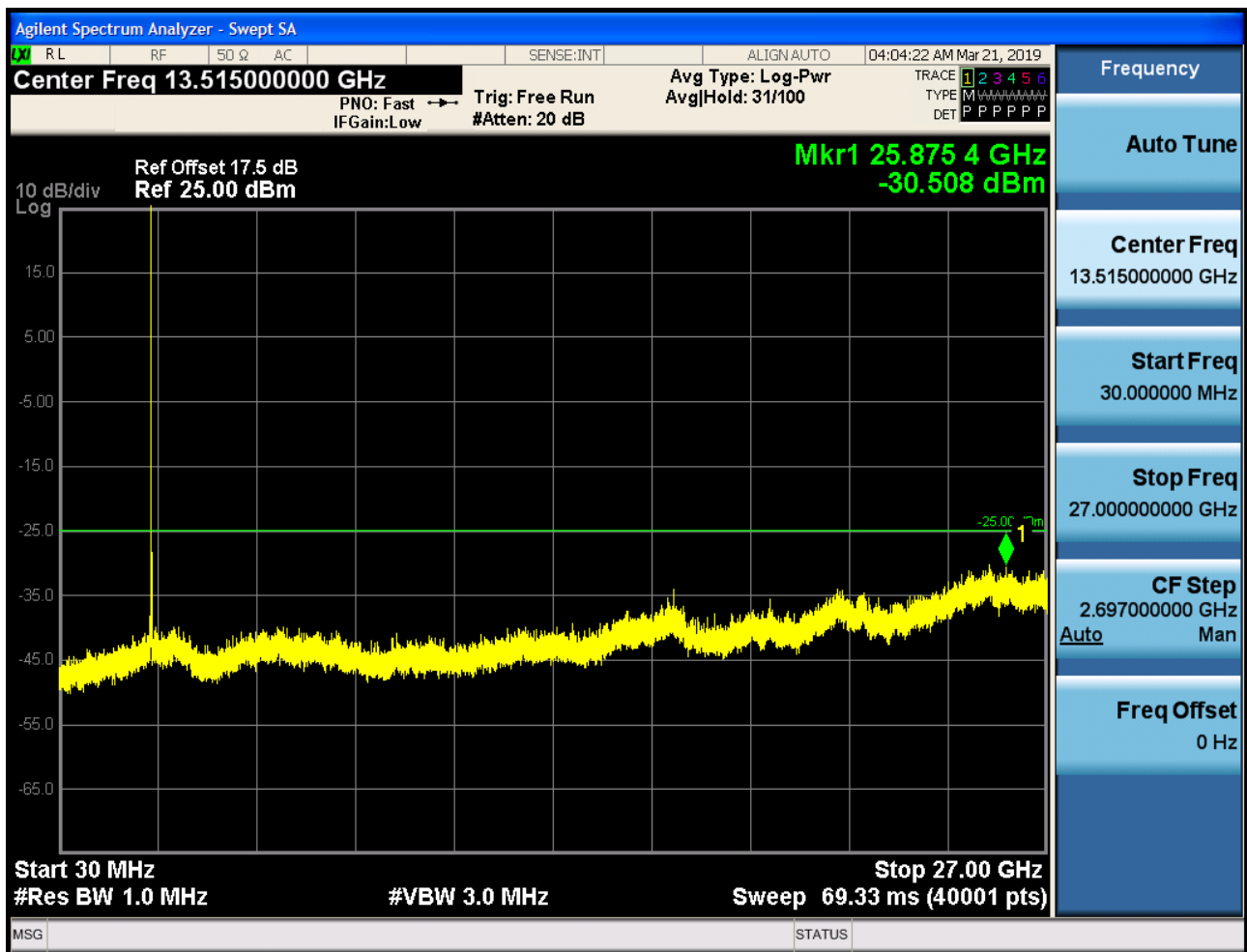


6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0



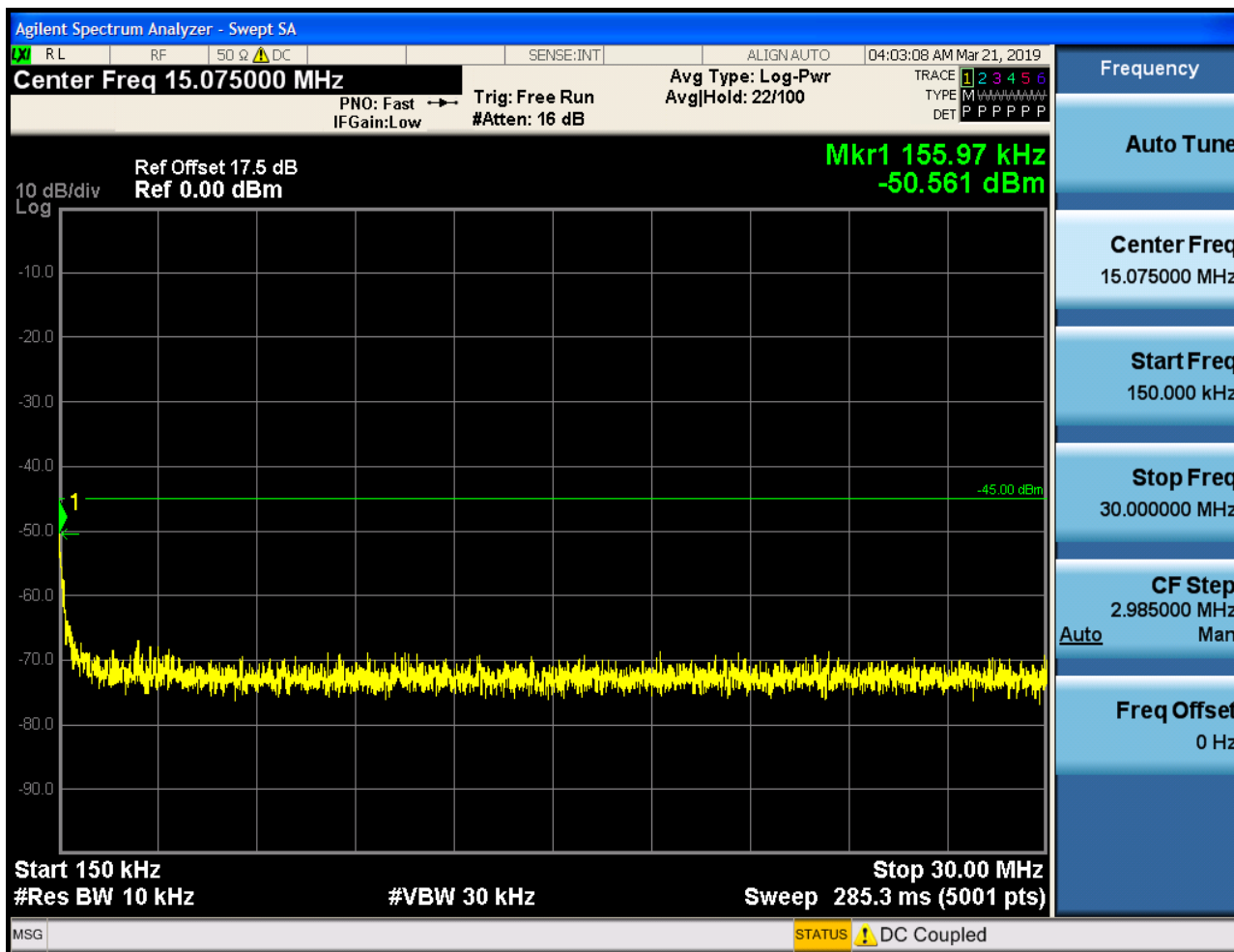


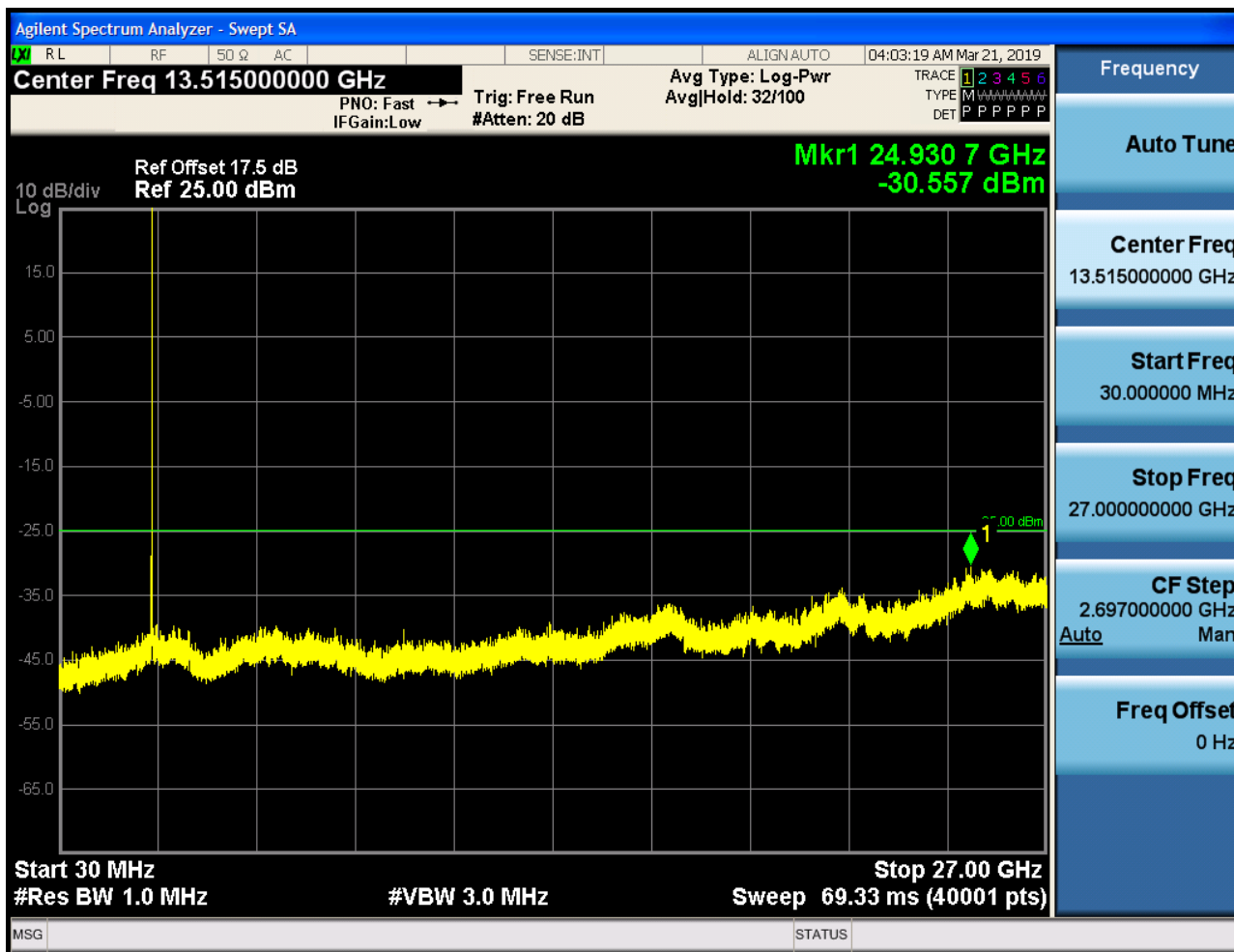


6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0





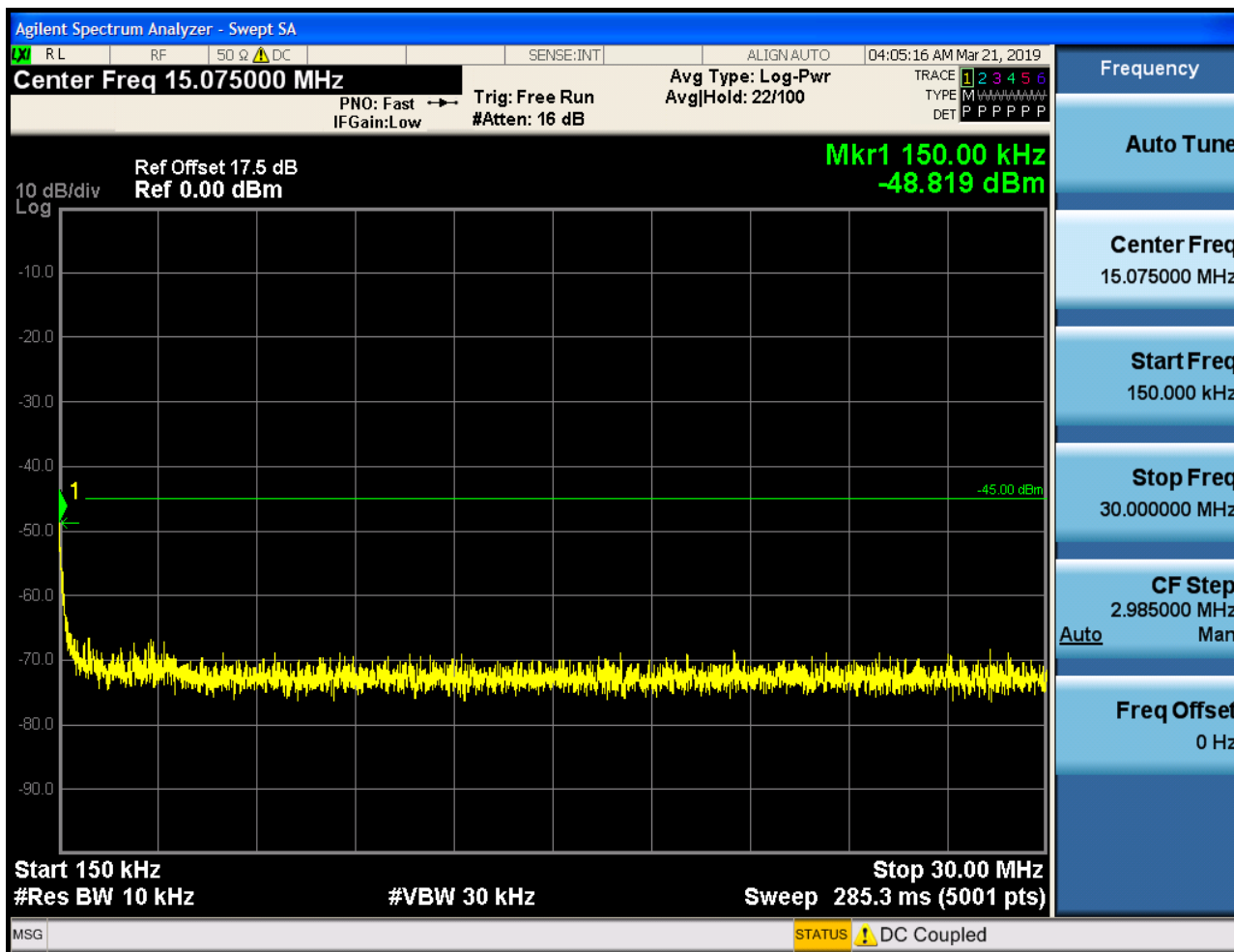


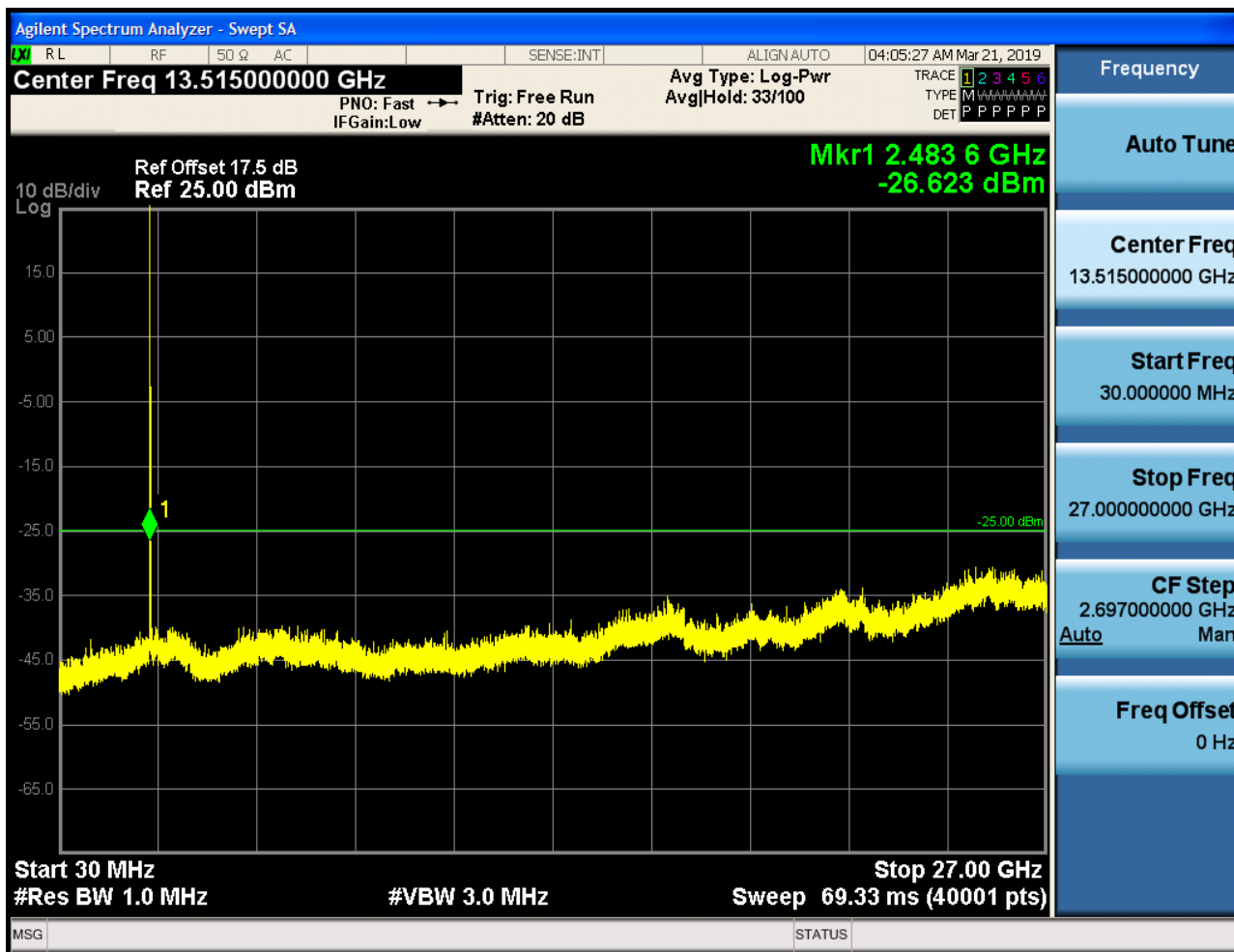
6.2.1.2.4 Test Bandwidth = 20

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0



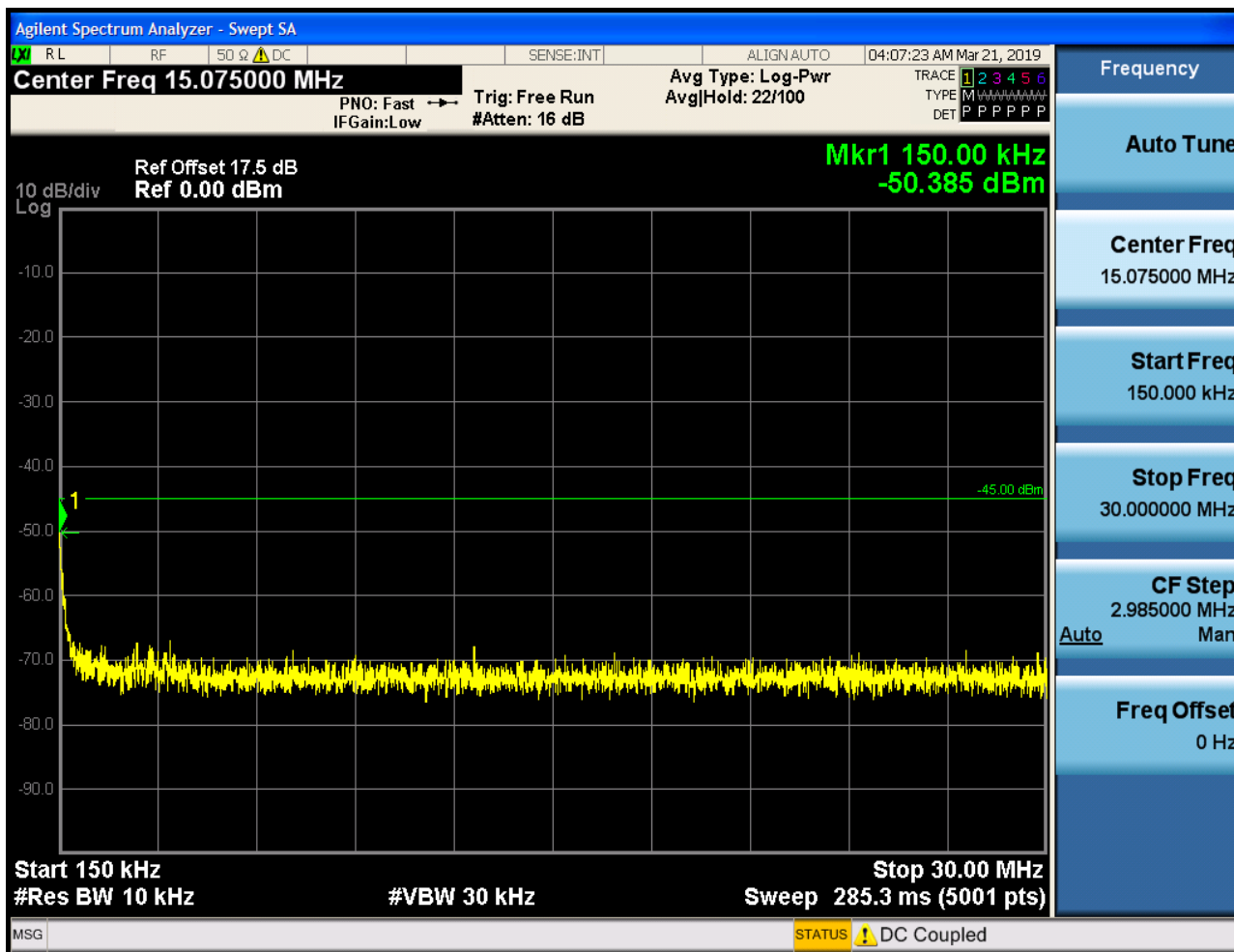


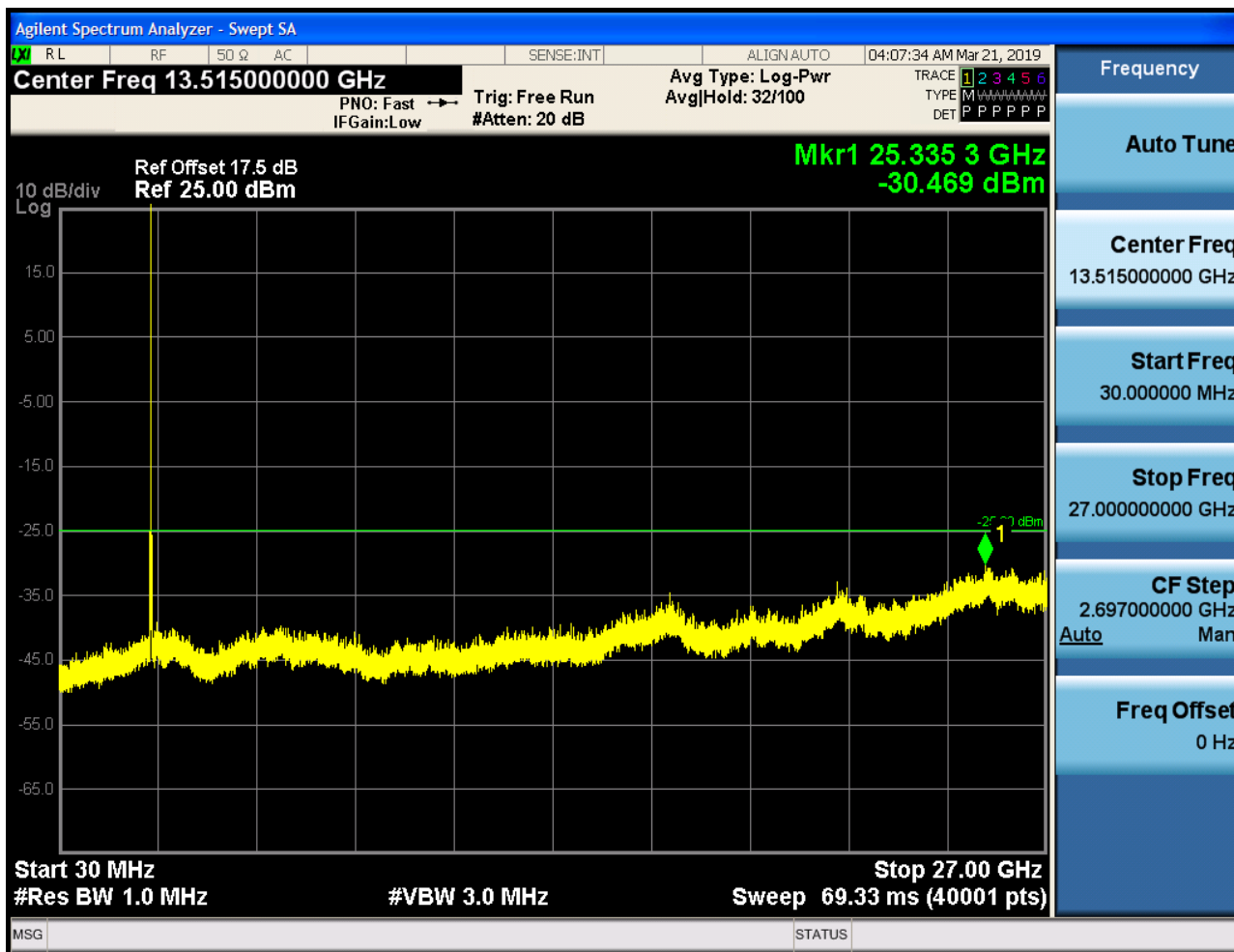


6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0



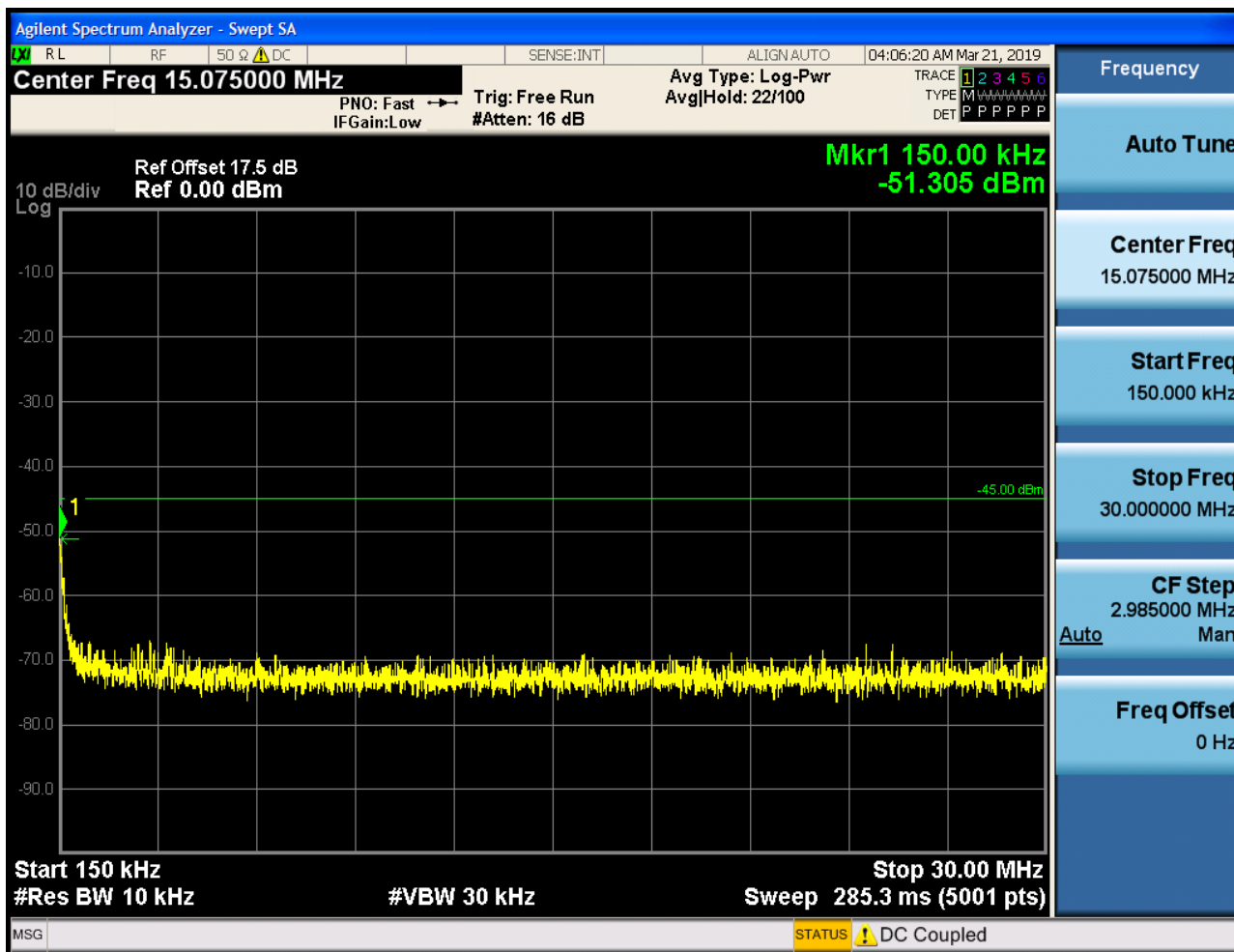


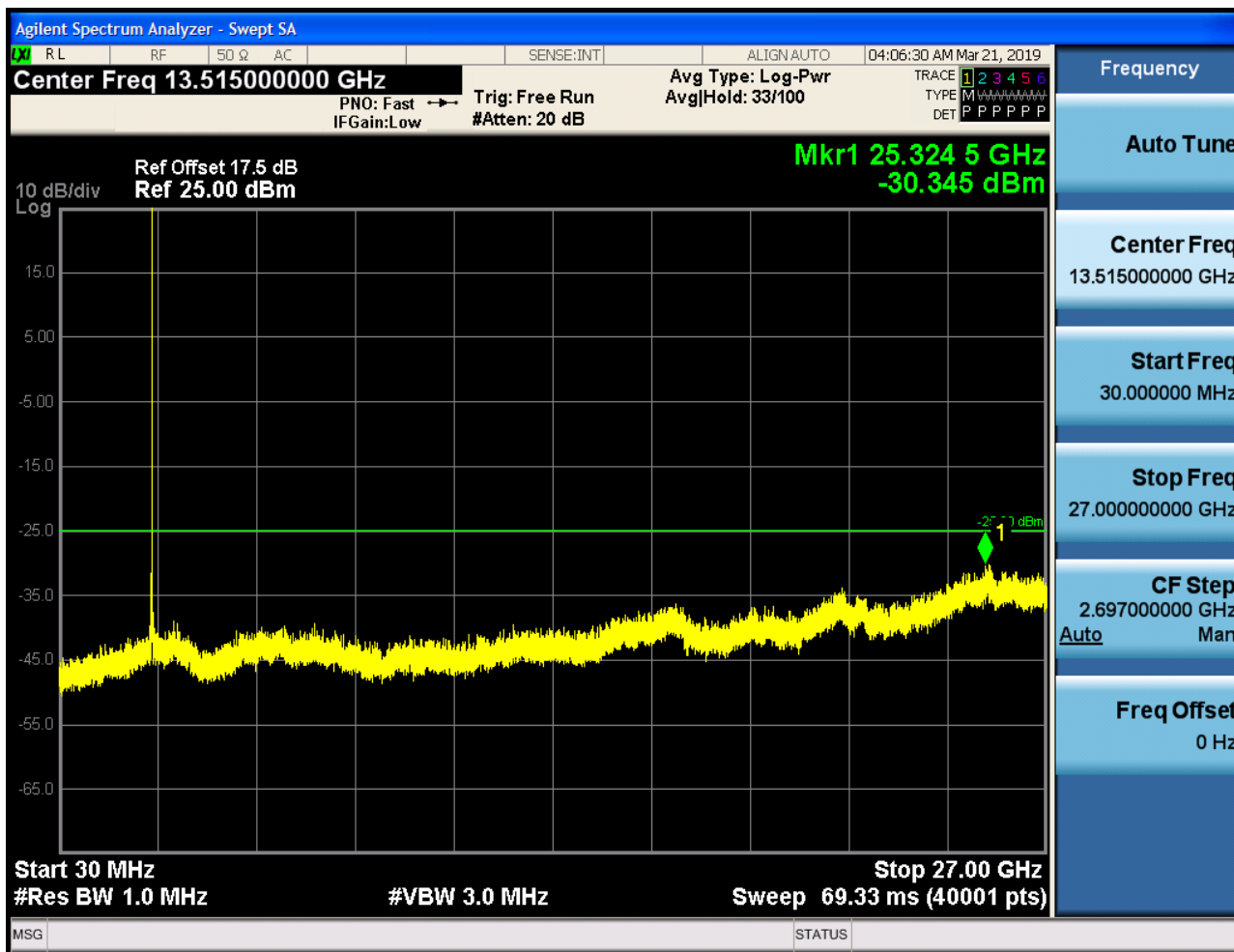


6.2.1.2.4.3 Test Channel = HCH

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

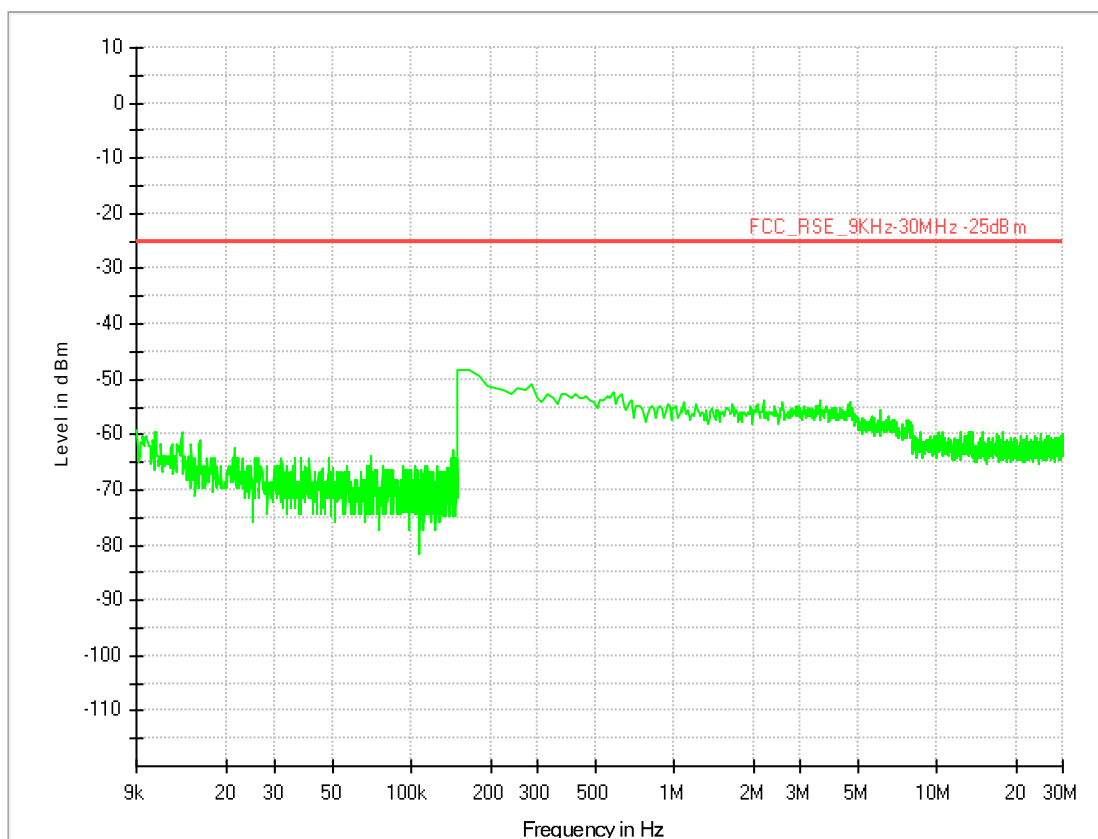
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

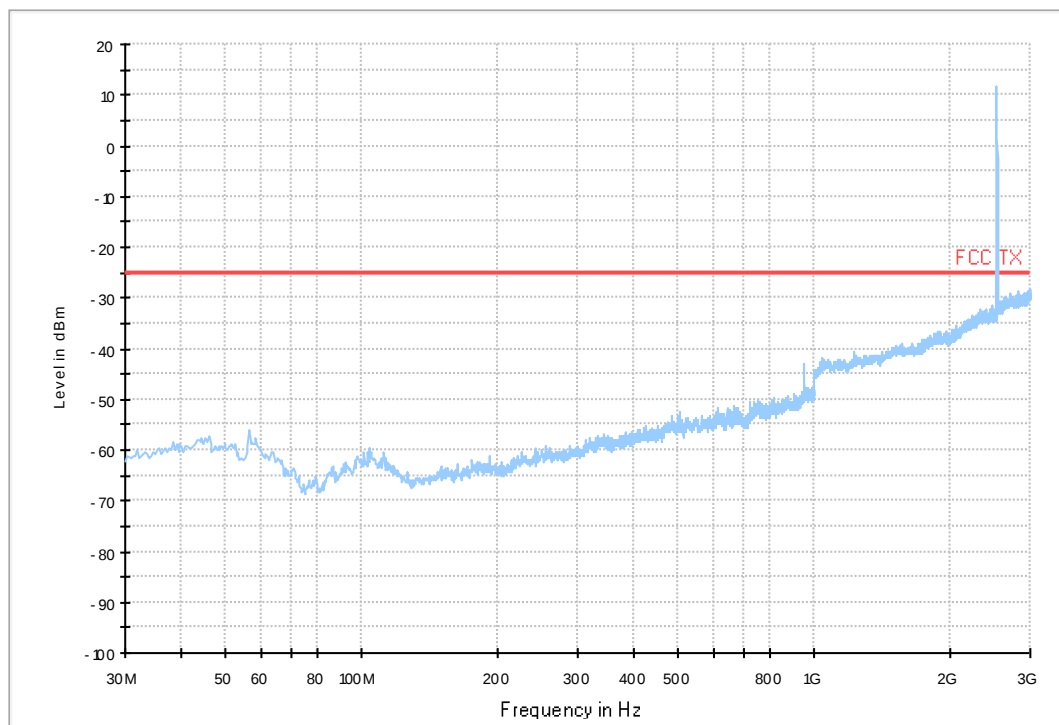
7.1 For LTE

7.1.1 Test Band = Band7_ANT1

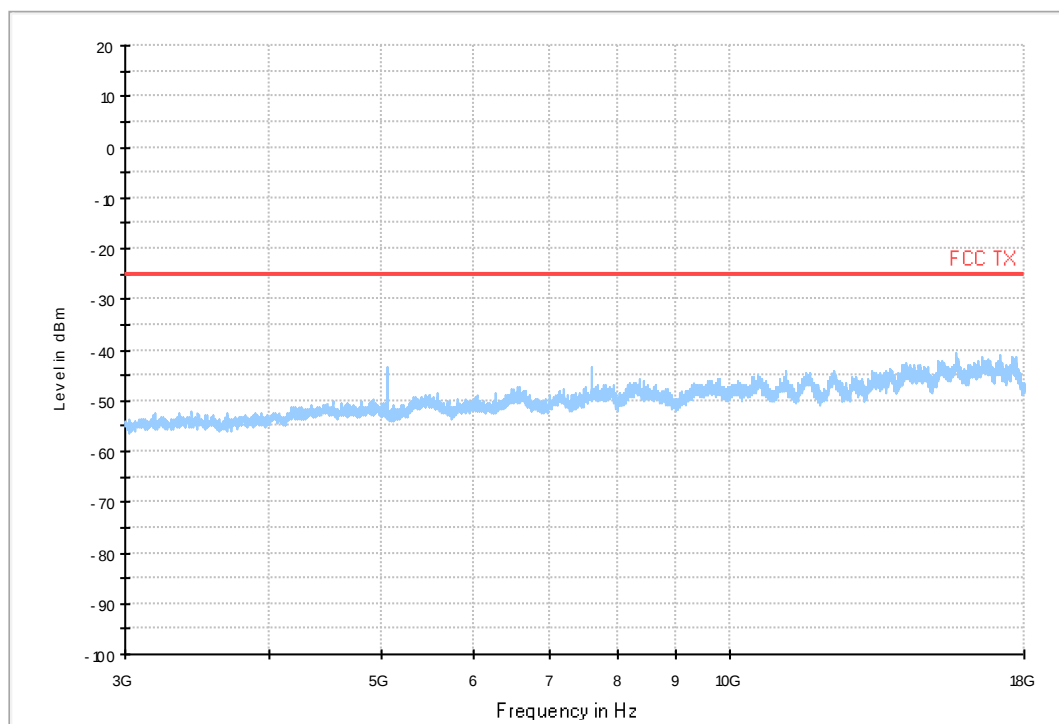
7.1.1.1 Test Bandwidth = 5



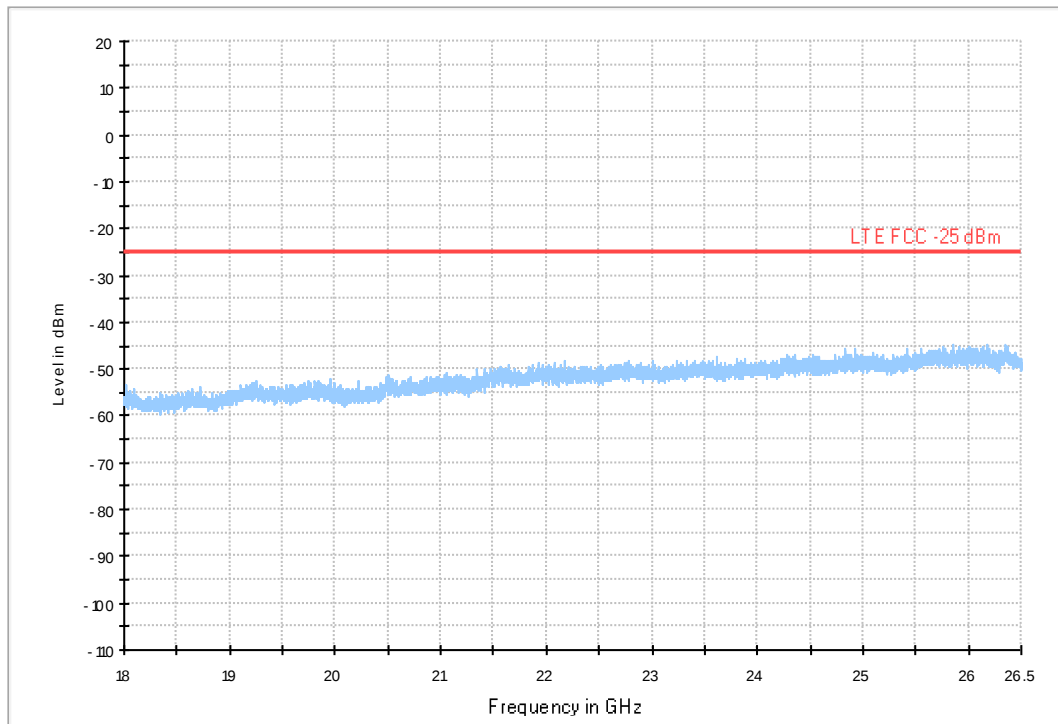
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



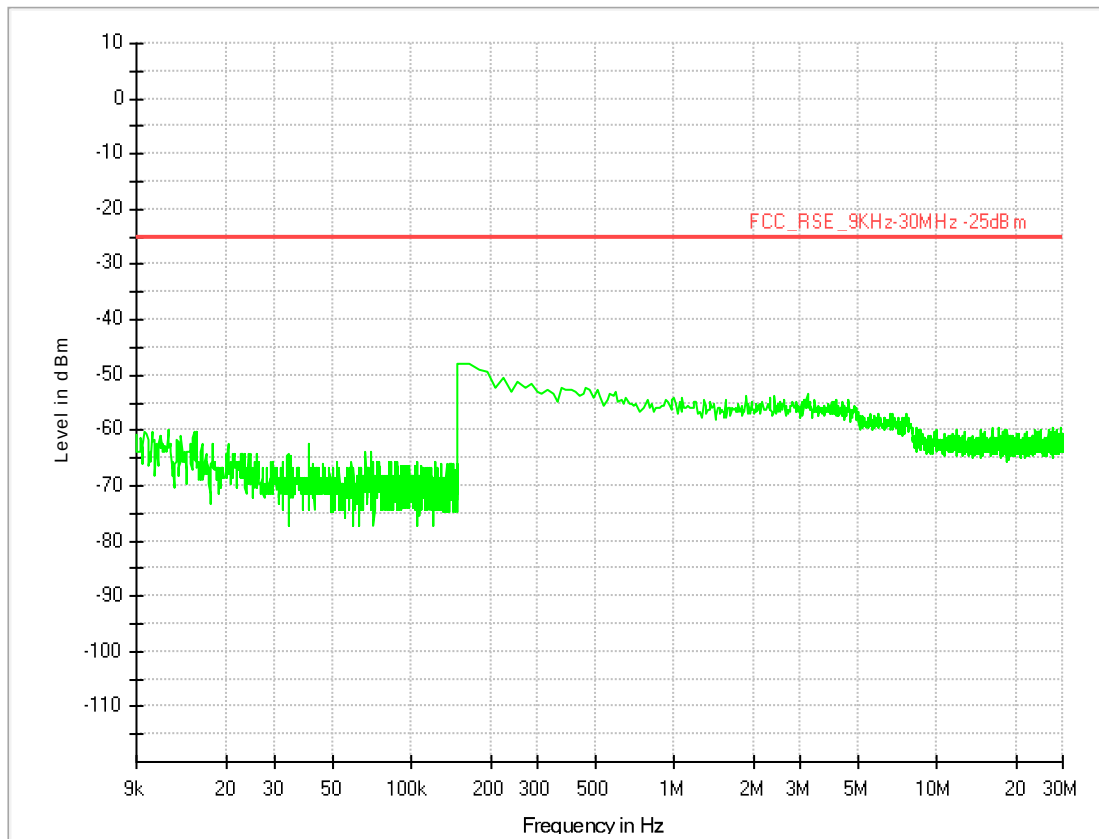
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



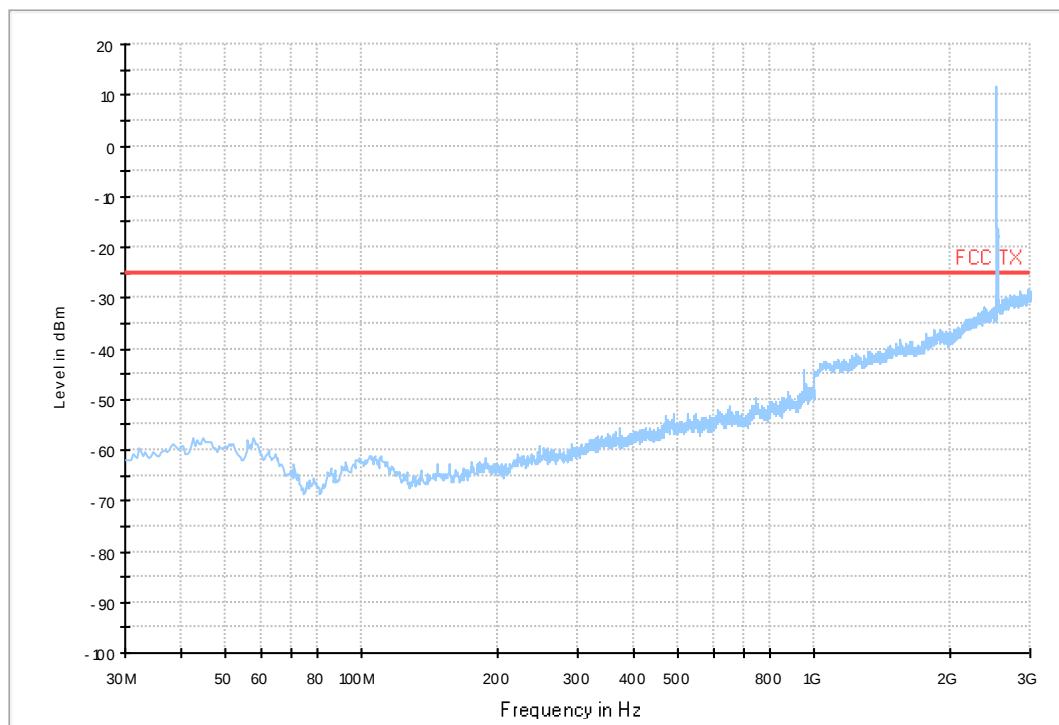
FCC 18-26.5G -25dBm



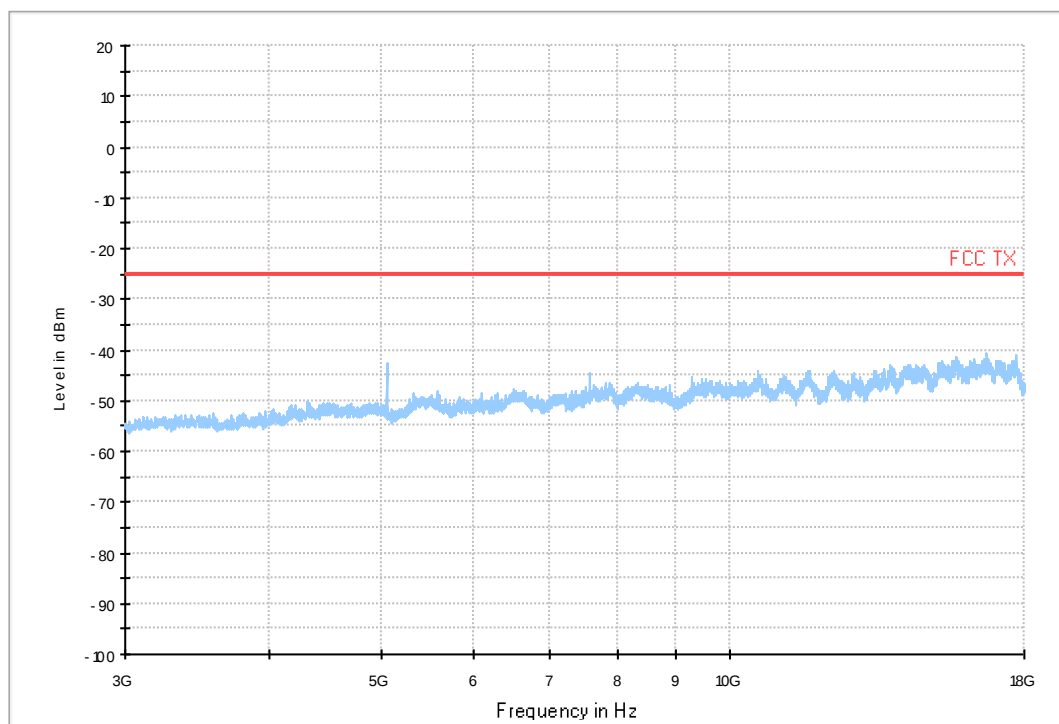
7.1.1.2 Test Bandwidth = 20



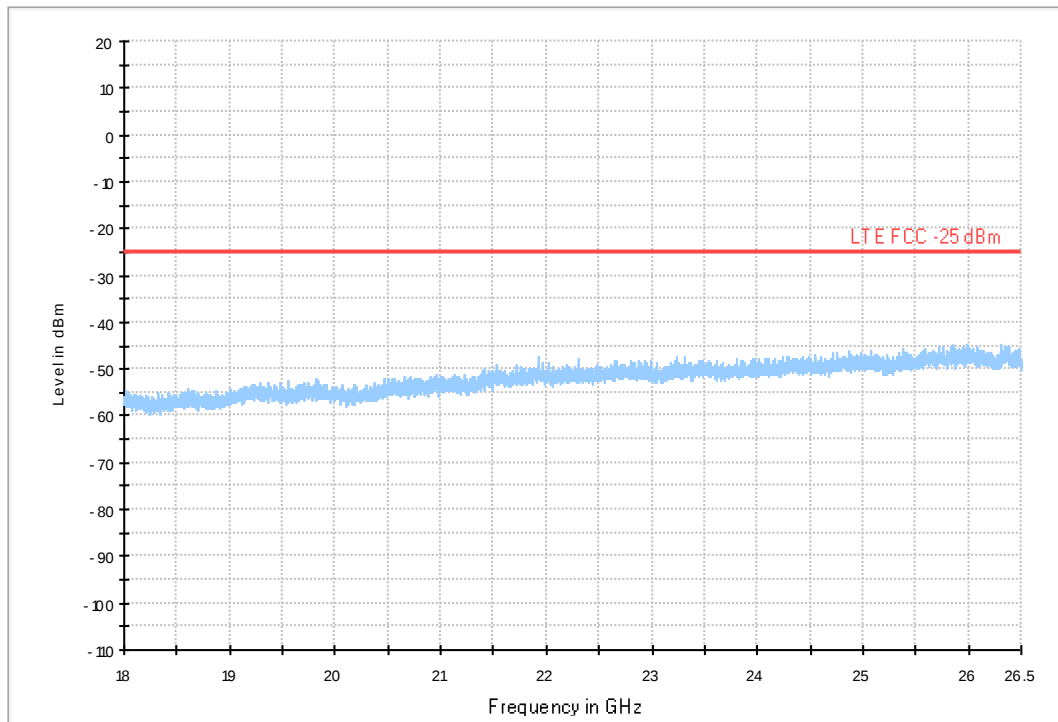
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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

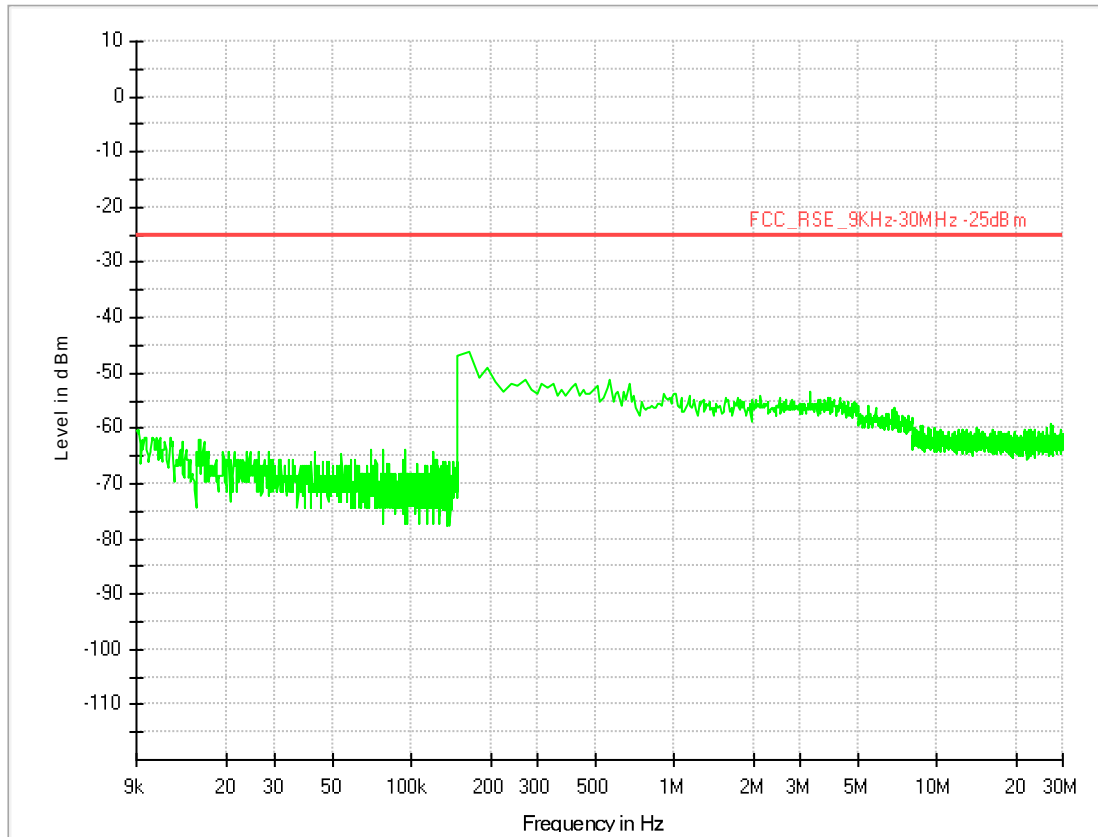


FCC 18-26.5G -25dBm

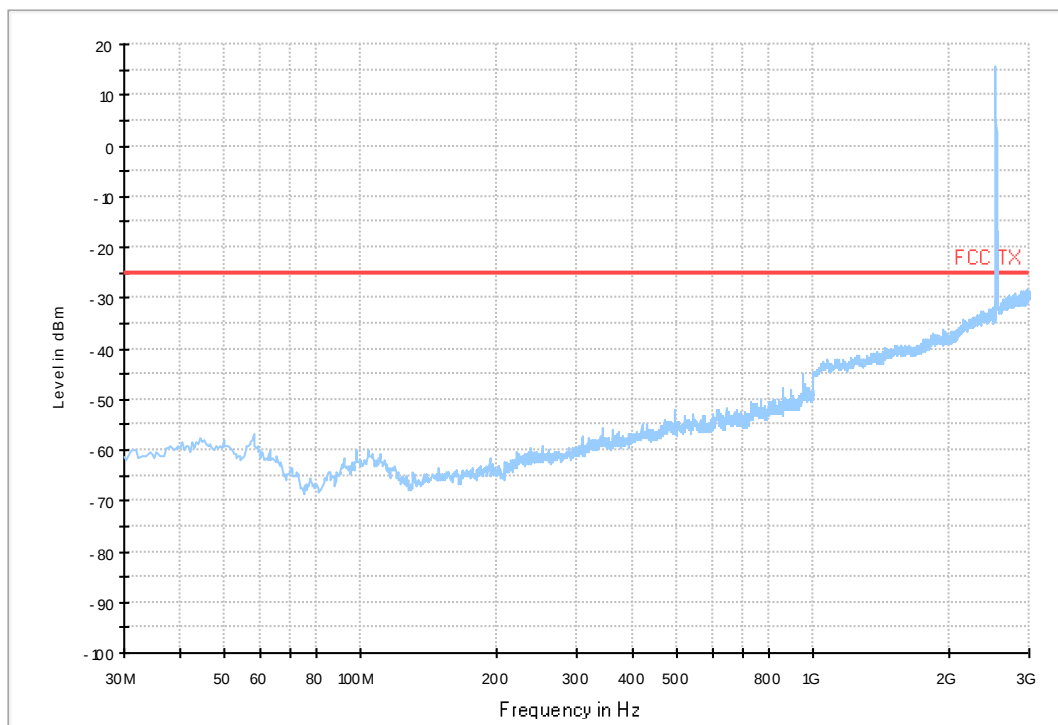


7.1.2 Test Band = Band7_ANT2

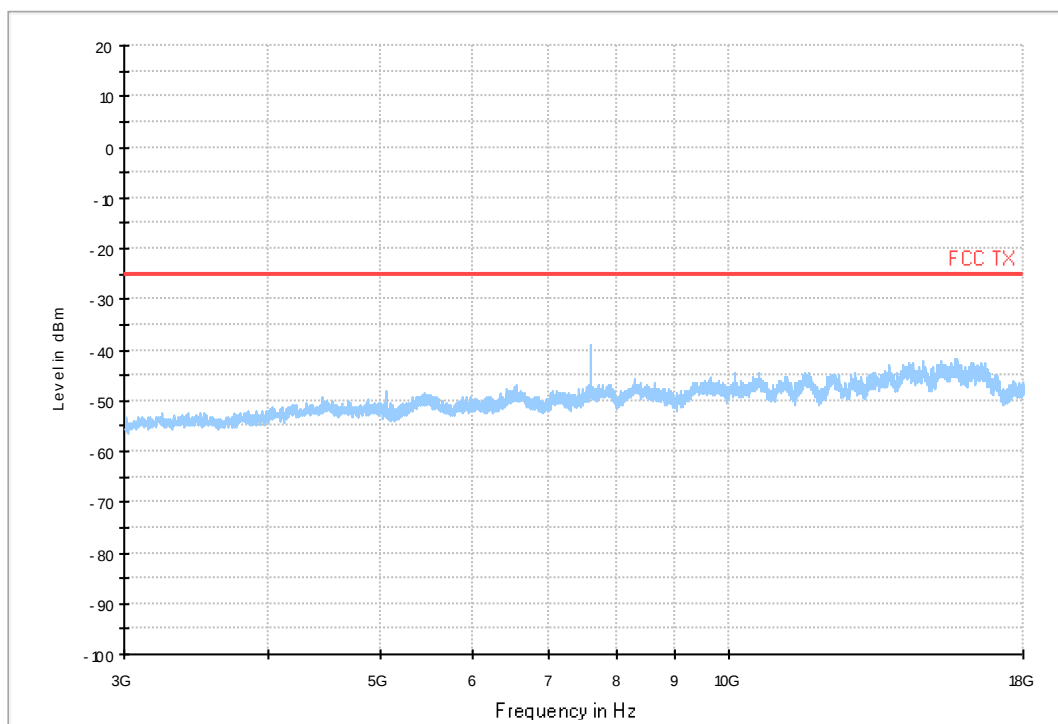
7.1.2.1 Test Bandwidth = 5



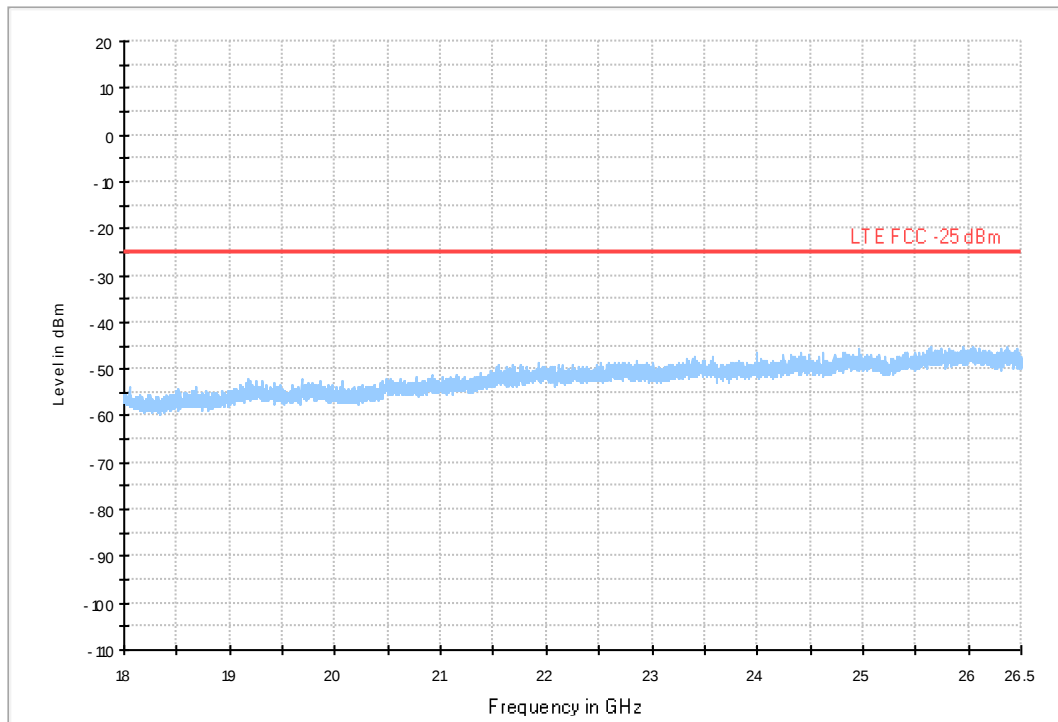
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



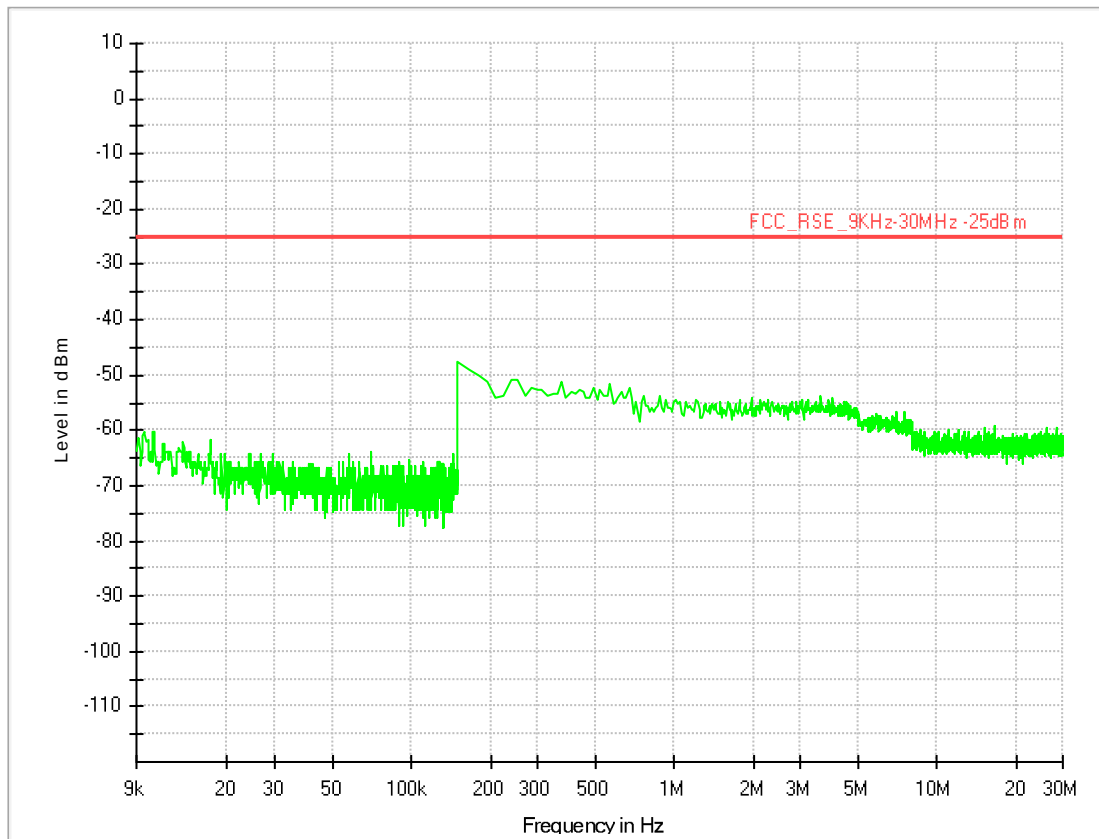
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



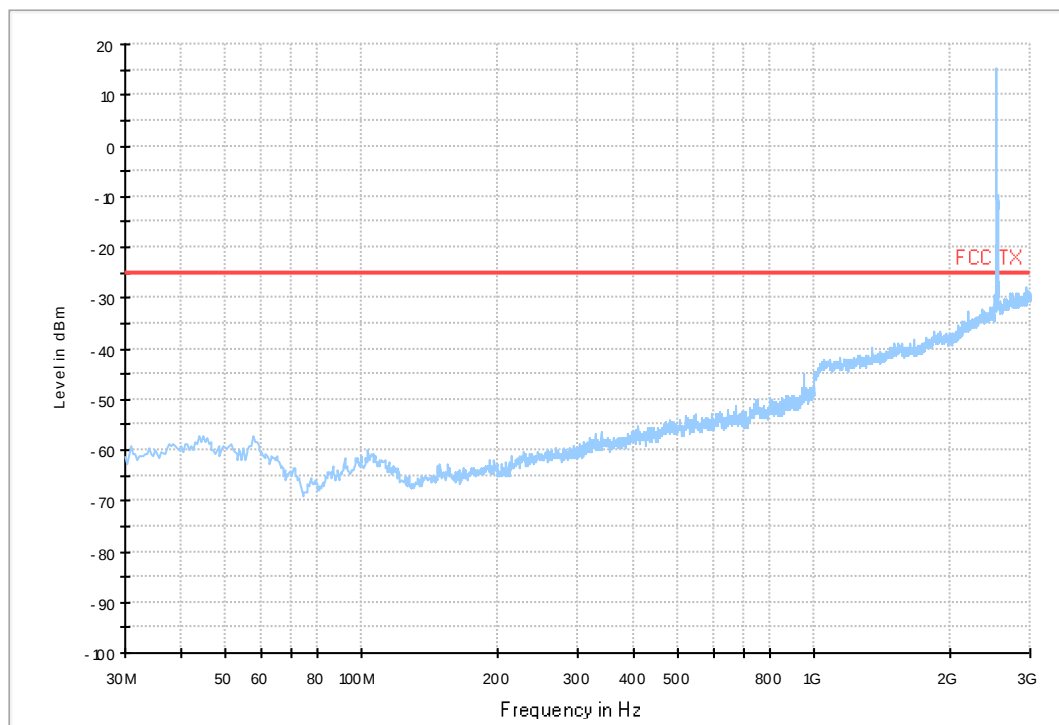
FCC 18-26.5G -25dBm



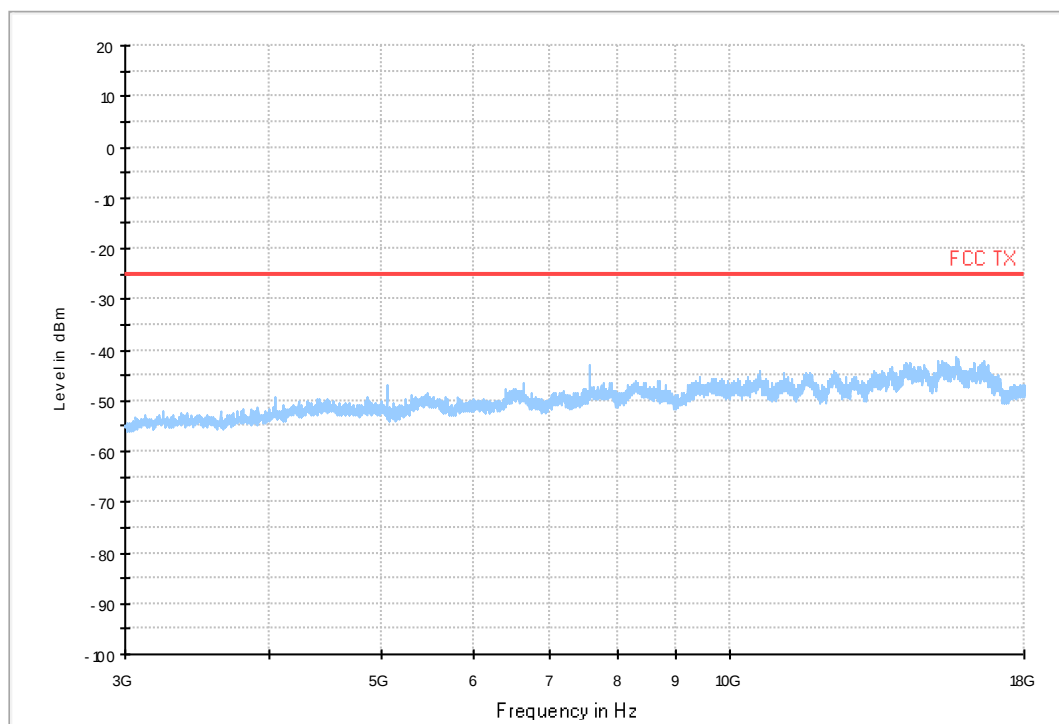
7.1.2.2 Test Bandwidth = 20



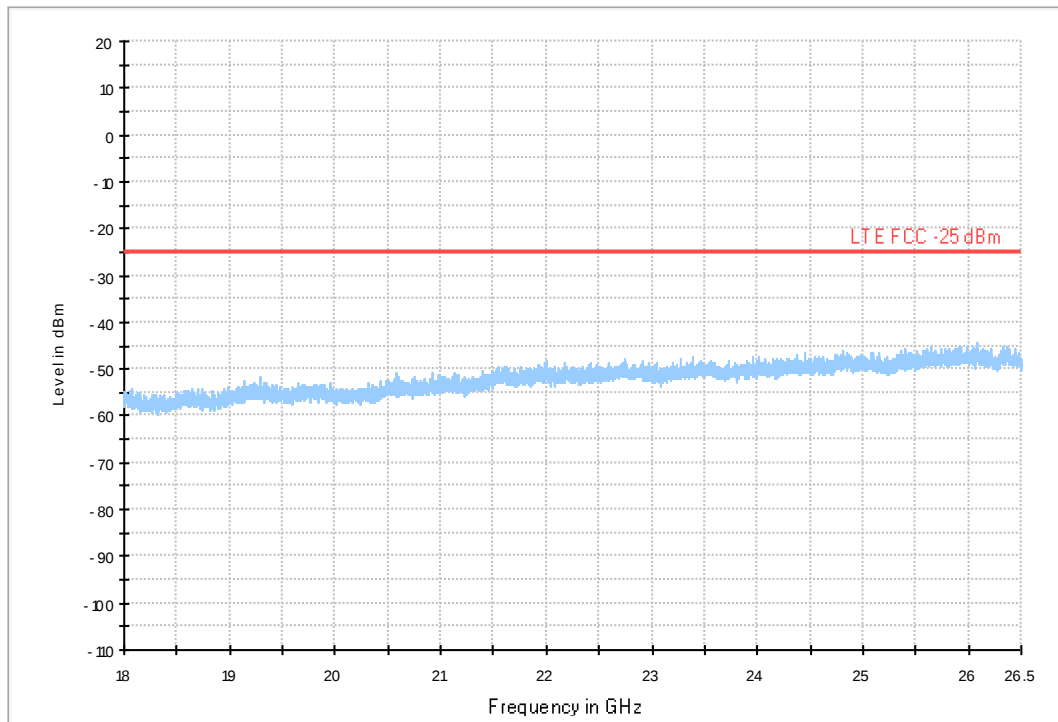
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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



FCC 18-26.5G -25dBm



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
Band7	LTE/TM1	5	LCH	TN	VL	-29.79755	-0.01191	PASS
					VN	0.07153	0.00003	PASS
					VH	-0.35763	-0.00014	PASS
			MCH	TN	VL	-40.01141	-0.01578	PASS
					VN	-51.49841	-0.02031	PASS
					VH	-33.33092	-0.01315	PASS
			HCH	TN	VL	-19.82689	-0.00772	PASS
					VN	-27.03667	-0.01053	PASS
					VH	-17.58099	-0.00685	PASS
		10	LCH	TN	VL	-4.52042	-0.00180	PASS
					VN	3.23296	0.00129	PASS
					VH	6.49452	0.00259	PASS
			MCH	TN	VL	-12.91752	-0.00510	PASS
					VN	-7.58171	-0.00299	PASS
					VH	-11.44409	-0.00451	PASS
			HCH	TN	VL	-10.05650	-0.00392	PASS
					VN	-8.26836	-0.00322	PASS
					VH	-3.99113	-0.00156	PASS
		15	LCH	TN	VL	-0.41485	-0.00017	PASS
					VN	4.82082	0.00192	PASS
					VH	5.46455	0.00218	PASS
			MCH	TN	VL	0.07153	0.00003	PASS
					VN	-0.88692	-0.00035	PASS
					VH	-1.53065	-0.00060	PASS
			HCH	TN	VL	-7.22408	-0.00282	PASS
					VN	-8.96931	-0.00350	PASS
					VH	-7.20978	-0.00281	PASS
		20	LCH	TN	VL	-3.00407	-0.00120	PASS
					VN	3.73364	0.00149	PASS
					VH	2.48909	0.00099	PASS
			MCH	TN	VL	0.67234	0.00027	PASS
					VN	-3.20435	-0.00126	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	1.84536	0.00073	PASS
					VL	-6.13689	-0.00240	PASS
					VN	-6.40869	-0.00250	PASS
					VH	-6.40869	-0.00250	PASS
		5	LCH	TN	VL	-11.28674	-0.00451	PASS
					VN	-31.75735	-0.01269	PASS
					VH	-22.11571	-0.00884	PASS
			MCH	TN	VL	-24.30439	-0.00959	PASS
					VN	-10.70023	-0.00422	PASS
					VH	0.07153	0.00003	PASS
			HCH	TN	VL	-6.60896	-0.00257	PASS
					VN	-44.77501	-0.01744	PASS
					VH	-17.80987	-0.00694	PASS
		10	LCH	TN	VL	2.44618	0.00098	PASS
					VN	-5.46455	-0.00218	PASS
					VH	1.05858	0.00042	PASS
			MCH	TN	VL	5.29289	0.00209	PASS
					VN	-20.05577	-0.00791	PASS
					VH	-0.75817	-0.00030	PASS
			HCH	TN	VL	-21.12865	-0.00824	PASS
					VN	-30.39837	-0.01185	PASS
					VH	-7.18117	-0.00280	PASS
		15	LCH	TN	VL	6.68049	0.00266	PASS
					VN	-0.55790	-0.00022	PASS
					VH	3.39031	0.00135	PASS
			MCH	TN	VL	4.50611	0.00178	PASS
					VN	0.08583	0.00003	PASS
					VH	-6.19412	-0.00244	PASS
			HCH	TN	VL	-4.82082	-0.00188	PASS
					VN	-13.33237	-0.00520	PASS
					VH	-5.29289	-0.00207	PASS
		20	LCH	TN	VL	3.39031	0.00135	PASS
					VN	-3.07560	-0.00123	PASS
					VH	-1.85966	-0.00074	PASS
			MCH	TN	VL	3.79086	0.00150	PASS
					VN	-0.38624	-0.00015	PASS
					VH	2.17438	0.00086	PASS
			HCH	TN	VL	0.82970	0.00032	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-8.09670	-0.00316	PASS
					VH	-3.69072	-0.00144	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	0.44346	0.00018	PASS
					-20	-1.02997	-0.00041	PASS
					-10	0.44346	0.00018	PASS
					0	4.80652	0.00192	PASS
					10	3.41892	0.00137	PASS
					20	0.07153	0.00003	PASS
					30	-0.84400	-0.00034	PASS
					40	-4.10557	-0.00164	PASS
					50	2.74658	0.00110	PASS
			MCH	VN	-30	-51.25523	-0.02022	PASS
					-20	-12.14504	-0.00479	PASS
					-10	-13.77583	-0.00543	PASS
					0	-38.46645	-0.01517	PASS
					10	-13.37528	-0.00528	PASS
					20	-51.49841	-0.02031	PASS
					30	-42.65785	-0.01683	PASS
					40	-15.89298	-0.00627	PASS
					50	-15.04898	-0.00594	PASS
			HCH	VN	-30	-61.34033	-0.02389	PASS
					-20	-28.23830	-0.01100	PASS
					-10	-56.50520	-0.02201	PASS
					0	-31.49986	-0.01227	PASS
					10	-30.21240	-0.01177	PASS
					20	-27.03667	-0.01053	PASS
					30	-48.83766	-0.01902	PASS
					40	-33.57410	-0.01308	PASS
					50	-32.11498	-0.01251	PASS
		10	LCH	VN	-30	0.25749	0.00010	PASS
					-20	1.83106	0.00073	PASS
					-10	3.03268	0.00121	PASS
					0	6.02245	0.00240	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	4.33445	0.00173	PASS
					20	3.23296	0.00129	PASS
					30	1.43051	0.00057	PASS
					40	1.98841	0.00079	PASS
					50	2.50339	0.00100	PASS
			MCH	VN	-30	-17.18044	-0.00678	PASS
					-20	-6.65188	-0.00262	PASS
					-10	-2.96116	-0.00117	PASS
					0	-5.43594	-0.00214	PASS
					10	-4.23431	-0.00167	PASS
					20	-7.58171	-0.00299	PASS
					30	-3.81947	-0.00151	PASS
					40	-24.97673	-0.00985	PASS
					50	-4.50611	-0.00178	PASS
			HCH	VN	-30	-27.33707	-0.01066	PASS
					-20	-12.74586	-0.00497	PASS
					-10	-10.01358	-0.00390	PASS
					0	-7.51018	-0.00293	PASS
					10	-11.08646	-0.00432	PASS
					20	-8.26836	-0.00322	PASS
					30	-9.94205	-0.00388	PASS
					40	-12.27379	-0.00479	PASS
					50	-8.16822	-0.00318	PASS
		15	LCH	VN	-30	4.27723	0.00171	PASS
					-20	6.99520	0.00279	PASS
					-10	6.23703	0.00249	PASS
					0	4.34875	0.00173	PASS
					10	6.50883	0.00260	PASS
					20	4.82082	0.00192	PASS
					30	5.24998	0.00209	PASS
					40	4.09126	0.00163	PASS
					50	4.27723	0.00171	PASS
			MCH	VN	-30	-1.07288	-0.00042	PASS
					-20	-7.79629	-0.00308	PASS
					-10	0.20027	0.00008	PASS
					0	1.37329	0.00054	PASS
					10	-7.36713	-0.00291	PASS
					20	-0.88692	-0.00035	PASS
					30	-0.28610	-0.00011	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-1.44482	-0.00057	PASS
					50	0.71526	0.00028	PASS
			HCH	VN	-30	-8.66890	-0.00338	PASS
					-20	-14.63413	-0.00571	PASS
					-10	-6.90937	-0.00270	PASS
					0	-8.23975	-0.00322	PASS
					10	-9.54151	-0.00372	PASS
					20	-8.96931	-0.00350	PASS
					30	-11.12938	-0.00434	PASS
					40	-6.80924	-0.00266	PASS
					50	-8.84056	-0.00345	PASS
		20	LCH	VN	-30	2.66075	0.00106	PASS
					-20	1.85966	0.00074	PASS
					-10	1.02997	0.00041	PASS
					0	3.91960	0.00156	PASS
					10	1.61648	0.00064	PASS
					20	3.73364	0.00149	PASS
					30	3.30448	0.00132	PASS
					40	3.06129	0.00122	PASS
					50	1.77383	0.00071	PASS
			MCH	VN	-30	1.00136	0.00040	PASS
					-20	0.71526	0.00028	PASS
					-10	-0.35763	-0.00014	PASS
					0	-0.11444	-0.00005	PASS
					10	0.65804	0.00026	PASS
					20	-3.20435	-0.00126	PASS
					30	-1.88827	-0.00074	PASS
					40	0.00000	0.00000	PASS
					50	1.11580	0.00044	PASS
			HCH	VN	-30	-6.36578	-0.00249	PASS
					-20	-8.23975	-0.00322	PASS
					-10	-8.54015	-0.00334	PASS
					0	-8.52585	-0.00333	PASS
					10	-8.23975	-0.00322	PASS
					20	-6.40869	-0.00250	PASS
					30	-7.33852	-0.00287	PASS
					40	-7.83920	-0.00306	PASS
					50	-8.45432	-0.00330	PASS
	LTE/TM2	5	LCH	VN	-30	-30.57003	-0.01222	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-31.84319	-0.01272	PASS
					-10	-35.36224	-0.01413	PASS
					0	-30.89905	-0.01235	PASS
					10	-35.74848	-0.01429	PASS
					20	-31.75735	-0.01269	PASS
					30	-32.94468	-0.01316	PASS
					40	-33.60271	-0.01343	PASS
					50	-31.70013	-0.01267	PASS
			MCH	VN	-30	-7.13825	-0.00282	PASS
					-20	-7.48158	-0.00295	PASS
					-10	-7.89642	-0.00311	PASS
					0	-7.91073	-0.00312	PASS
					10	-31.42834	-0.01240	PASS
					20	-10.70023	-0.00422	PASS
					30	-32.35817	-0.01276	PASS
					40	-7.08103	-0.00279	PASS
					50	-36.67831	-0.01447	PASS
			HCH	VN	-30	-33.70285	-0.01313	PASS
					-20	-34.01756	-0.01325	PASS
					-10	-58.97999	-0.02297	PASS
					0	-32.18651	-0.01254	PASS
					10	-29.33979	-0.01143	PASS
					20	-44.77501	-0.01744	PASS
					30	-33.45966	-0.01303	PASS
					40	-34.43241	-0.01341	PASS
					50	-34.18922	-0.01332	PASS
		10	LCH	VN	-30	-6.58035	-0.00263	PASS
					-20	-3.54767	-0.00142	PASS
					-10	-3.66211	-0.00146	PASS
					0	-2.96116	-0.00118	PASS
					10	-7.20978	-0.00288	PASS
					20	-5.46455	-0.00218	PASS
					30	-7.00951	-0.00280	PASS
					40	-5.50747	-0.00220	PASS
					50	-8.01086	-0.00320	PASS
			MCH	VN	-30	-16.79420	-0.00662	PASS
					-20	-2.70367	-0.00107	PASS
					-10	-6.12259	-0.00242	PASS
					0	-1.31607	-0.00052	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-2.40326	-0.00095	PASS
					20	-20.05577	-0.00791	PASS
					30	-15.74993	-0.00621	PASS
					40	-3.64780	-0.00144	PASS
					50	0.62943	0.00025	PASS
			HCH	VN	-30	-14.01901	-0.00547	PASS
					-20	-10.61440	-0.00414	PASS
					-10	-32.47261	-0.01266	PASS
					0	-25.99239	-0.01013	PASS
					10	-32.78732	-0.01278	PASS
					20	-30.39837	-0.01185	PASS
					30	-28.55301	-0.01113	PASS
					40	-10.09941	-0.00394	PASS
					50	-15.14912	-0.00591	PASS
		15	LCH	VN	-30	0.80109	0.00032	PASS
					-20	-1.81675	-0.00072	PASS
					-10	-1.24455	-0.00050	PASS
					0	-1.77383	-0.00071	PASS
					10	0.10014	0.00004	PASS
					20	-0.55790	-0.00022	PASS
					30	-7.88212	-0.00314	PASS
					40	-0.80109	-0.00032	PASS
					50	-0.05722	-0.00002	PASS
			MCH	VN	-30	-0.61512	-0.00024	PASS
					-20	-0.54359	-0.00021	PASS
					-10	-5.76496	-0.00227	PASS
					0	-0.91553	-0.00036	PASS
					10	-4.32015	-0.00170	PASS
					20	0.08583	0.00003	PASS
					30	-0.38624	-0.00015	PASS
					40	-0.45776	-0.00018	PASS
					50	-5.66483	-0.00223	PASS
			HCH	VN	-30	-16.53671	-0.00645	PASS
					-20	-11.48701	-0.00448	PASS
					-10	-7.45296	-0.00291	PASS
					0	-12.84599	-0.00501	PASS
					10	-9.31263	-0.00363	PASS
					20	-13.33237	-0.00520	PASS
					30	-9.64165	-0.00376	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20			40	-14.60552	-0.00570	PASS
					50	-10.18524	-0.00397	PASS
			LCH	VN	-30	-2.03133	-0.00081	PASS
					-20	-4.89235	-0.00195	PASS
					-10	-5.04971	-0.00201	PASS
					0	-2.60353	-0.00104	PASS
					10	-3.97682	-0.00158	PASS
					20	-3.07560	-0.00123	PASS
					30	-3.01838	-0.00120	PASS
					40	-3.16143	-0.00126	PASS
					50	-3.97682	-0.00158	PASS
			MCH	VN	-30	1.43051	0.00056	PASS
					-20	0.74387	0.00029	PASS
					-10	-0.97275	-0.00038	PASS
					0	1.67370	0.00066	PASS
					10	1.67370	0.00066	PASS
					20	-0.38624	-0.00015	PASS
					30	0.44346	0.00017	PASS
					40	-0.04292	-0.00002	PASS
					50	1.44482	0.00057	PASS
			HCH	VN	-30	-9.21249	-0.00360	PASS
					-20	-8.06808	-0.00315	PASS
					-10	-9.45568	-0.00369	PASS
					0	-6.69479	-0.00262	PASS
					10	-9.31263	-0.00364	PASS
					20	-8.09670	-0.00316	PASS
					30	-9.46999	-0.00370	PASS
					40	-7.82490	-0.00306	PASS
					50	-8.74043	-0.00341	PASS

END