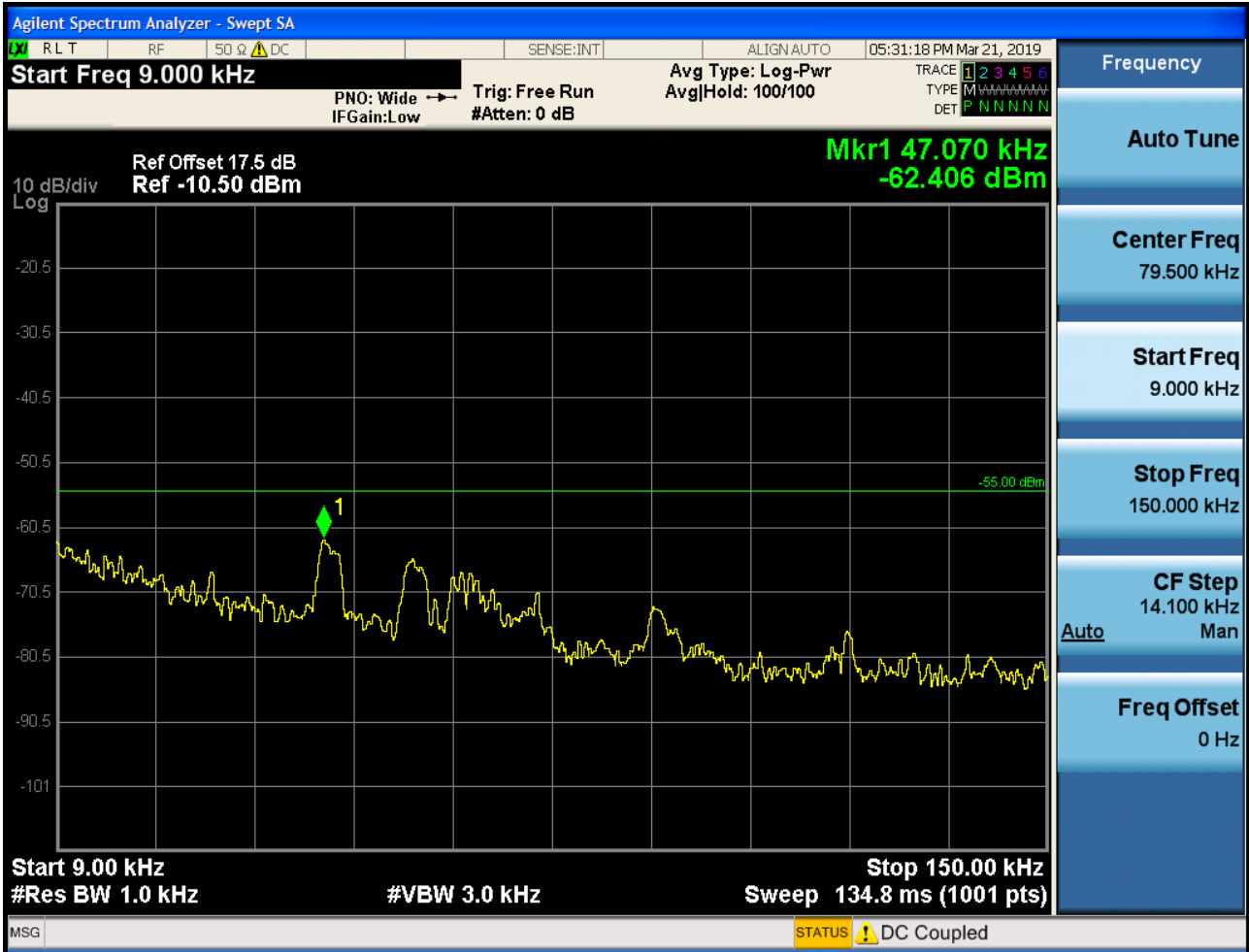
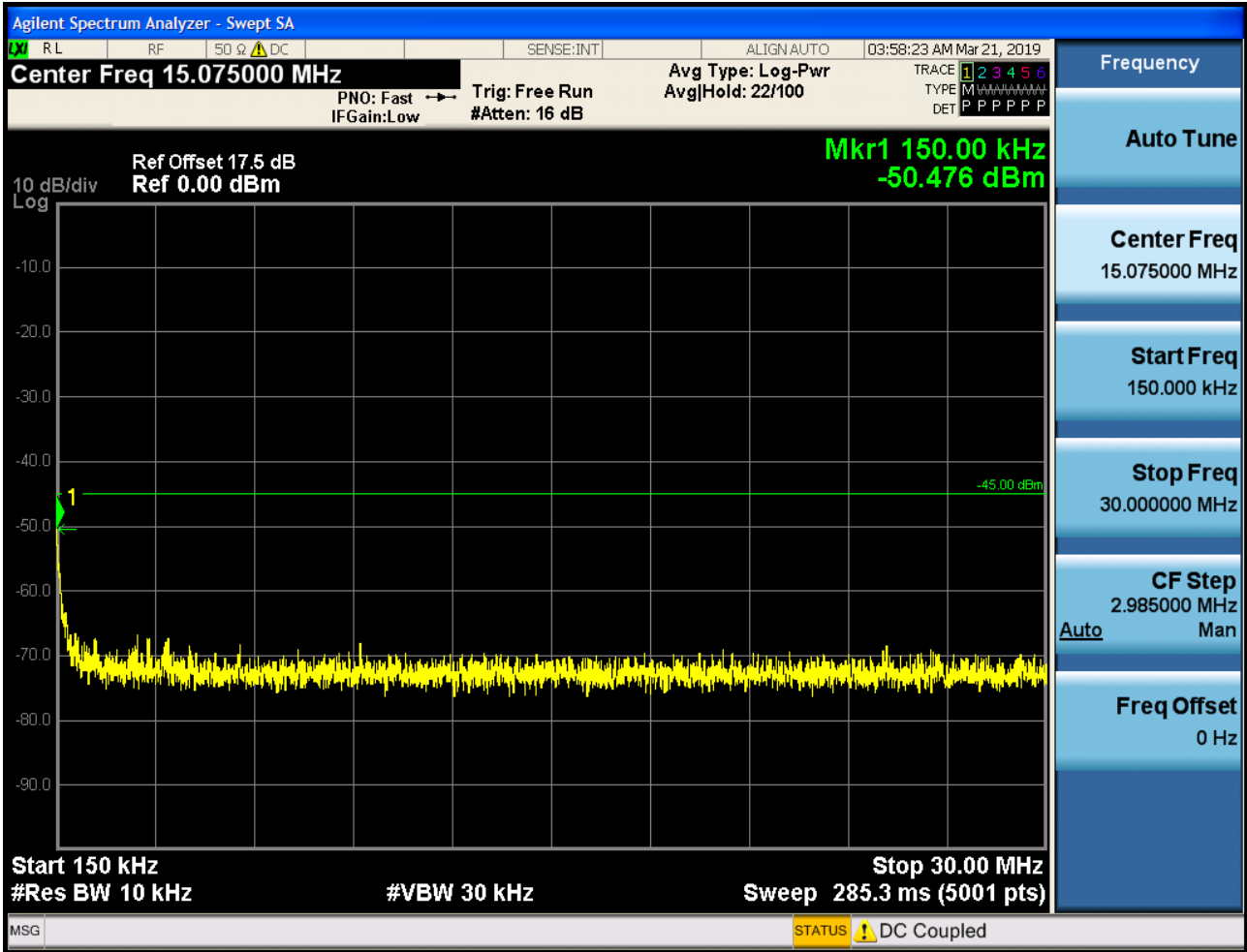


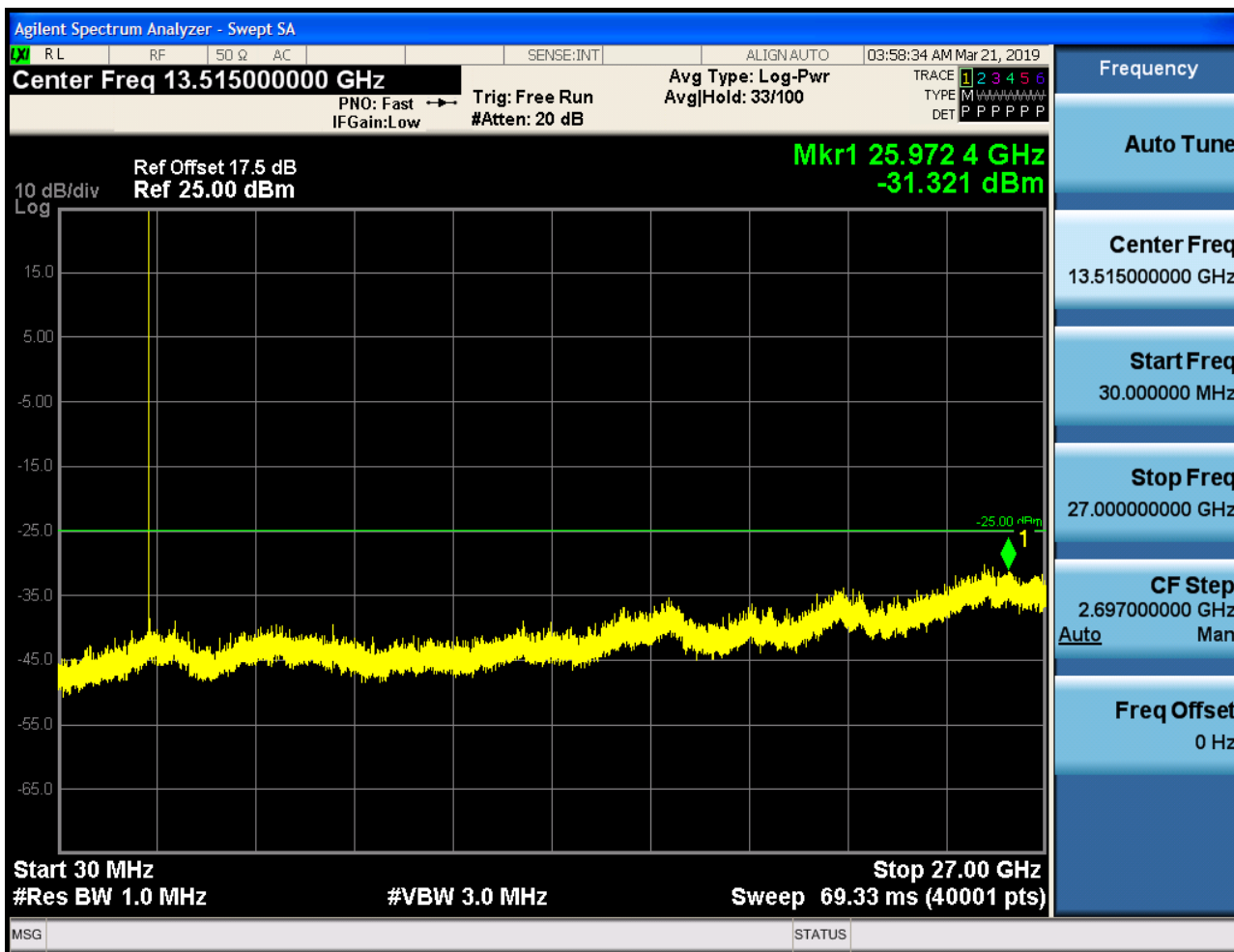
6.2.1.1.2 Test Bandwidth = 10

6.2.1.1.2.1 Test Channel = LCH

6.2.1.1.2.1.1 Test RB = RB1#0





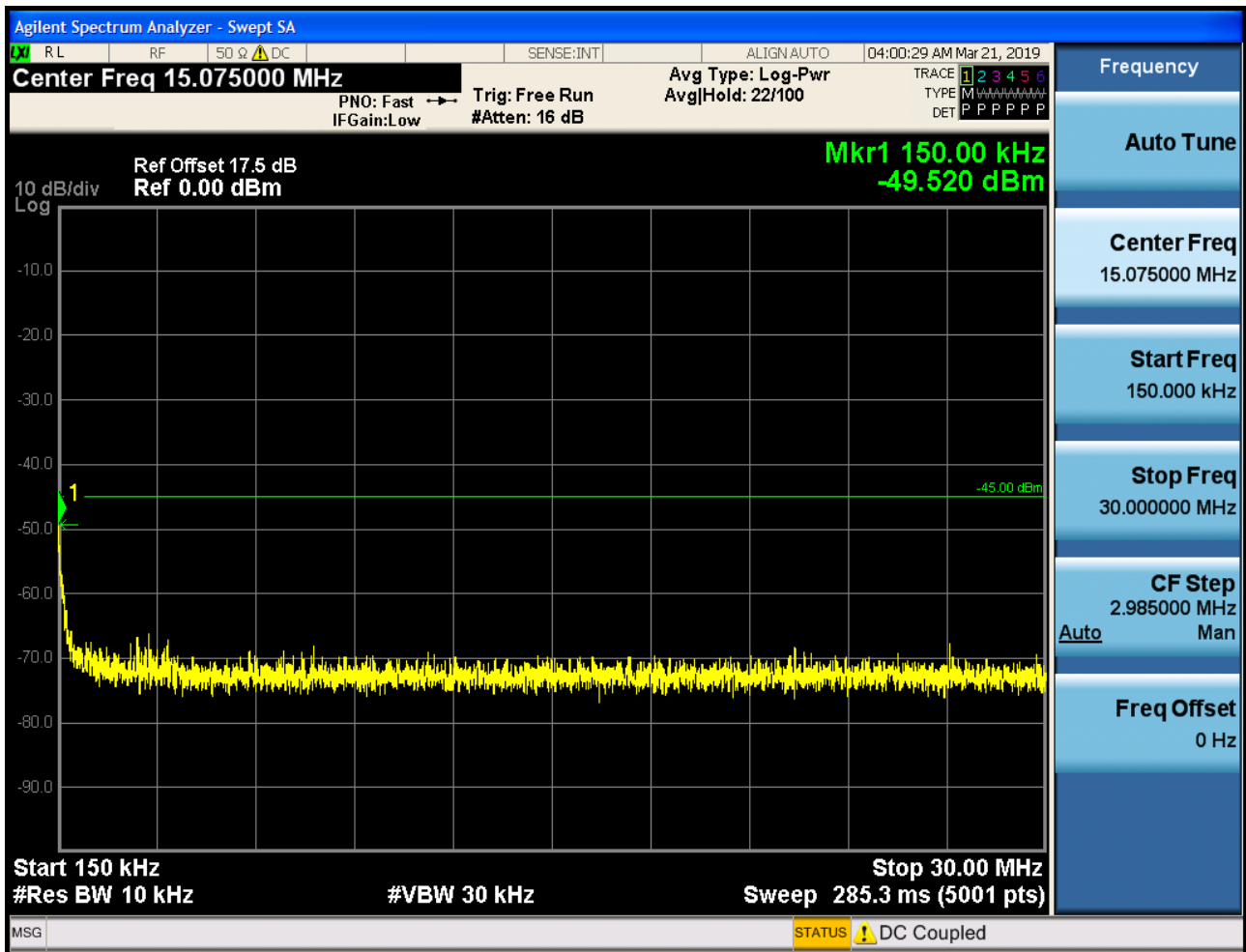


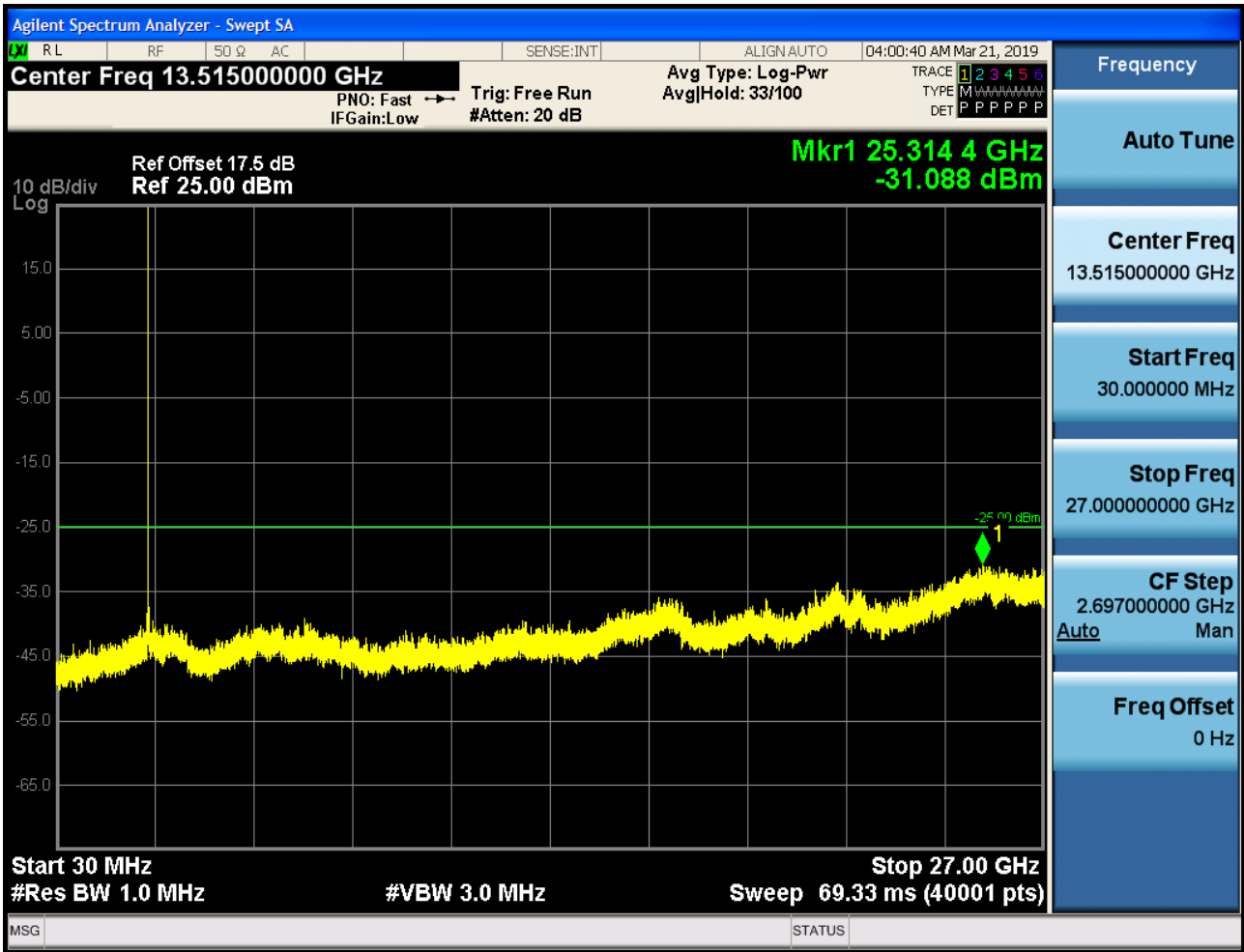


6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0





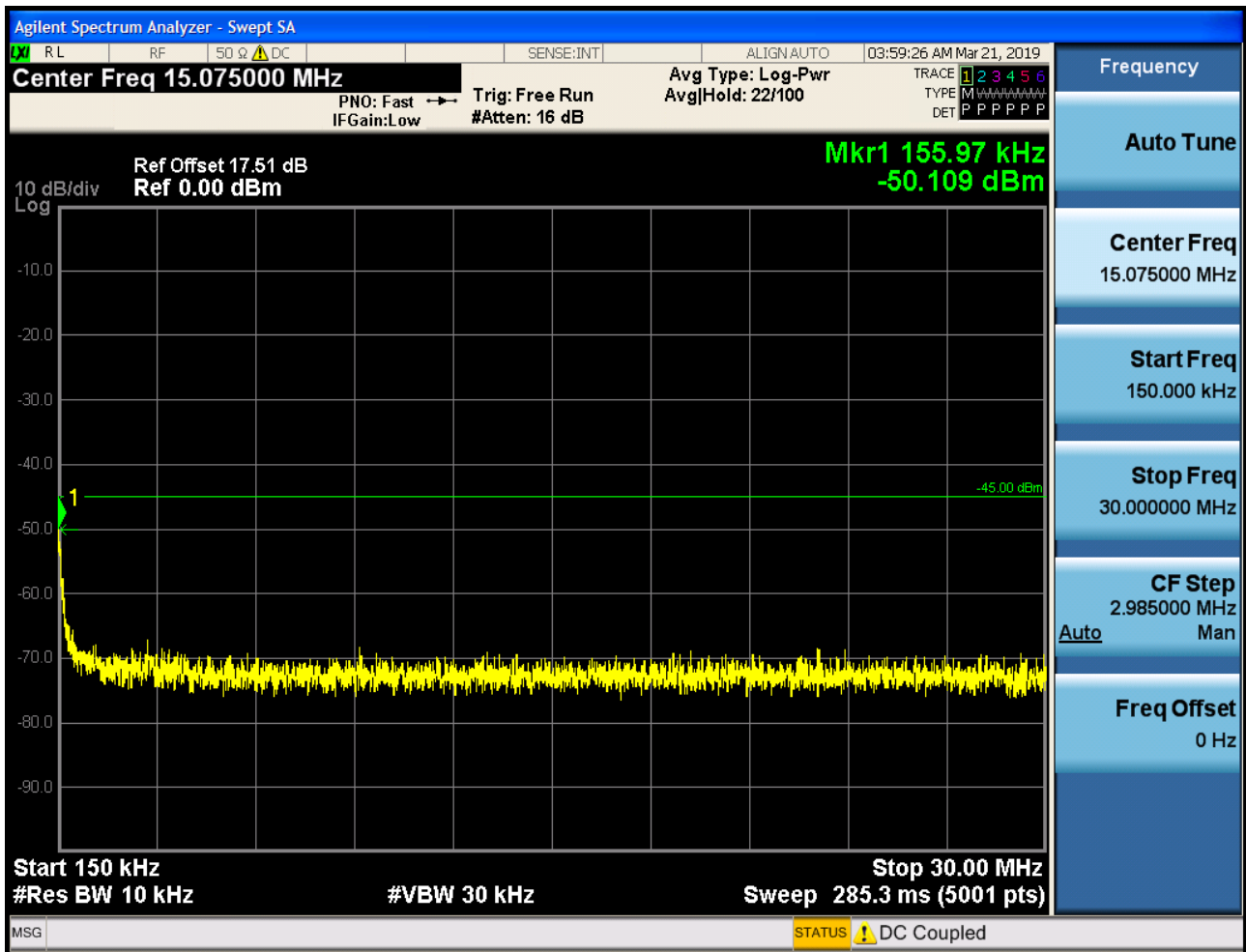


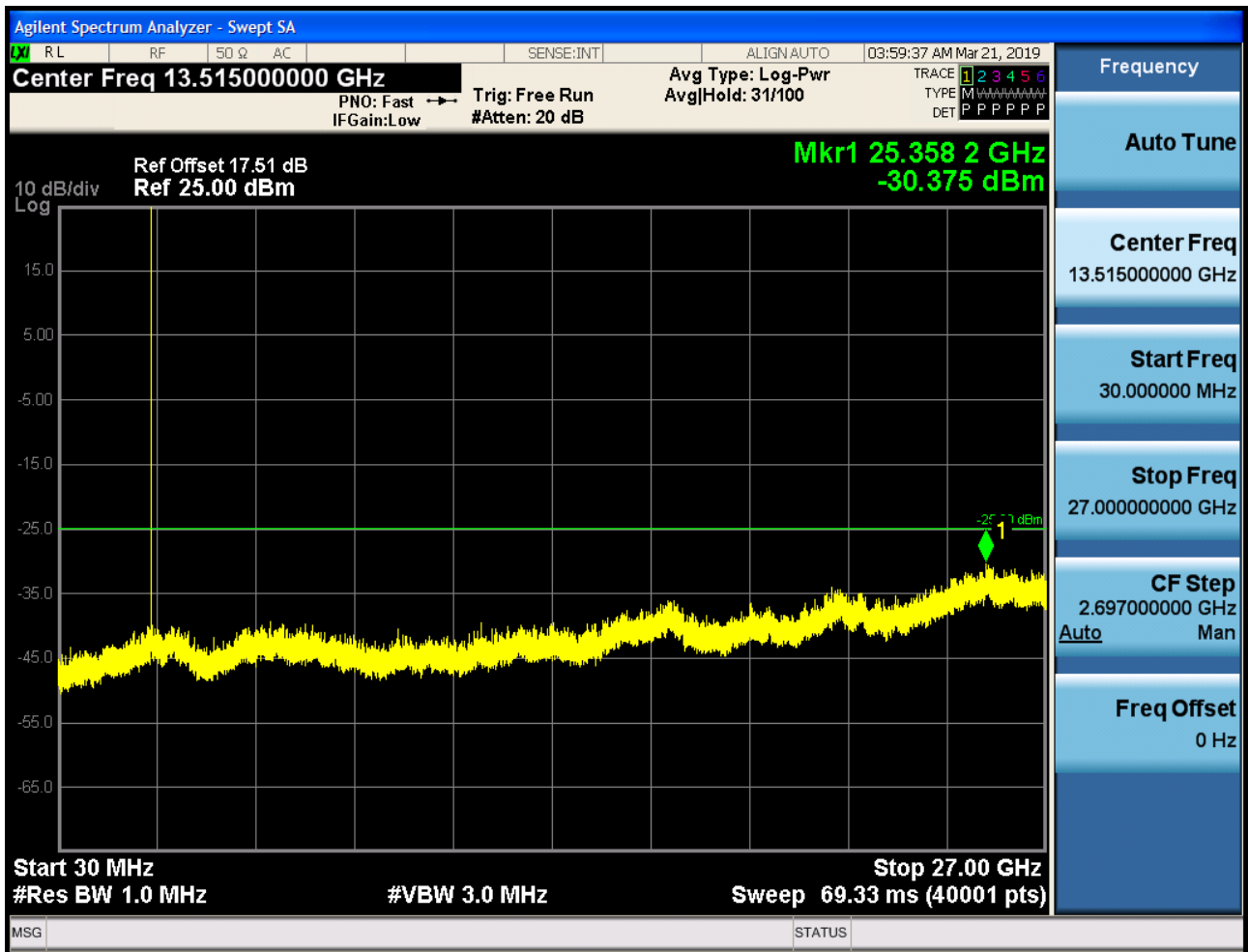


6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0





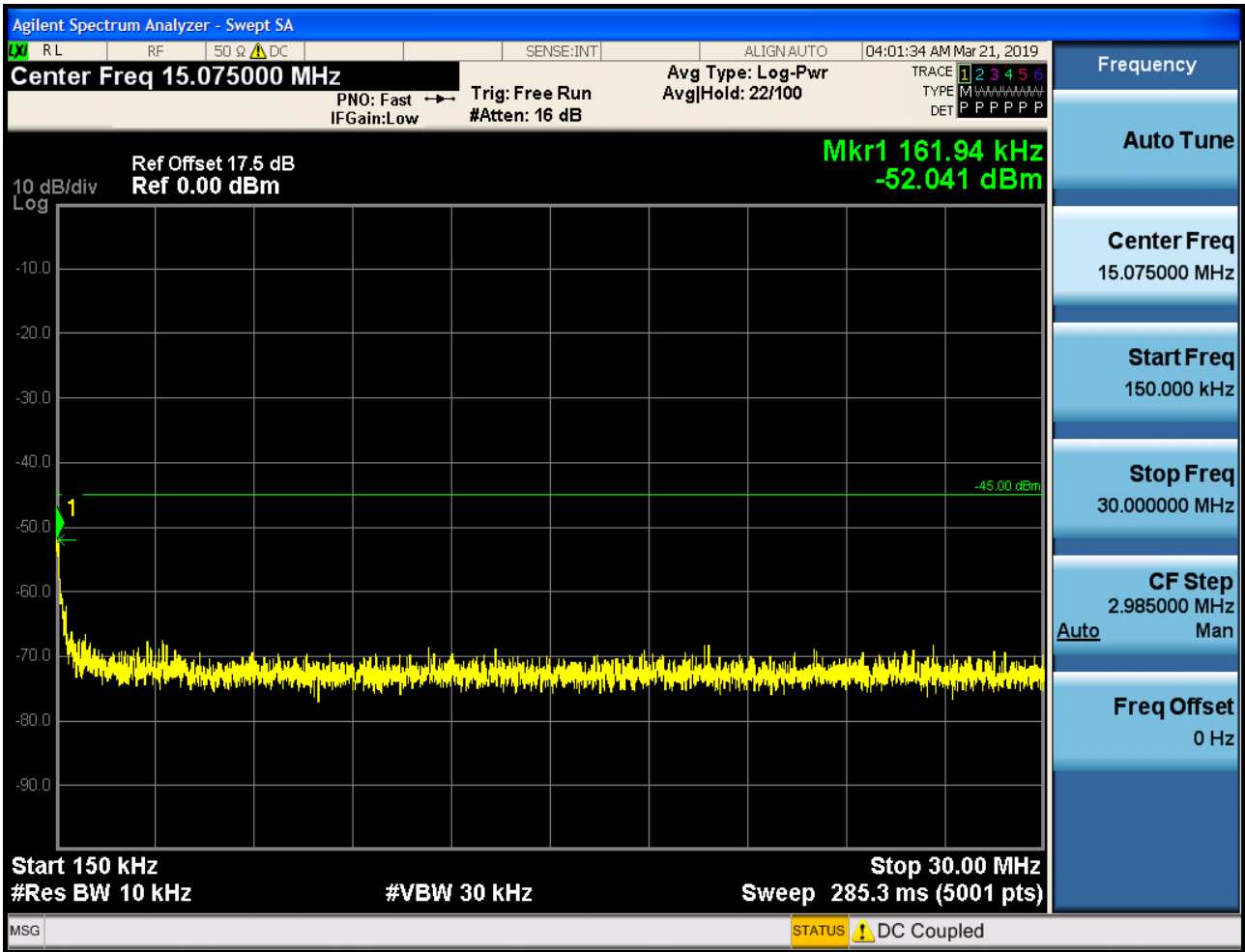


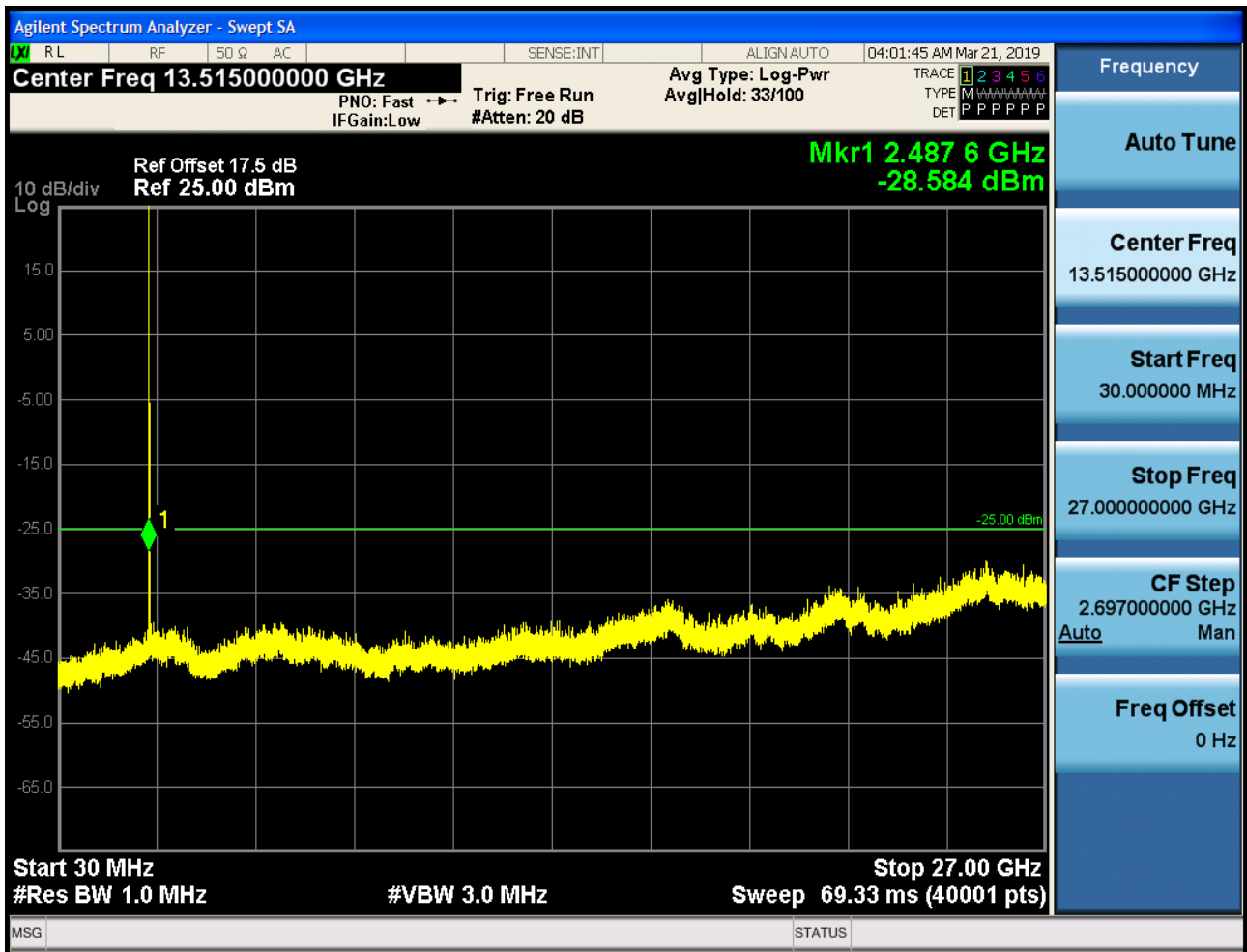
6.2.1.1.3 Test Bandwidth = 15

6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0



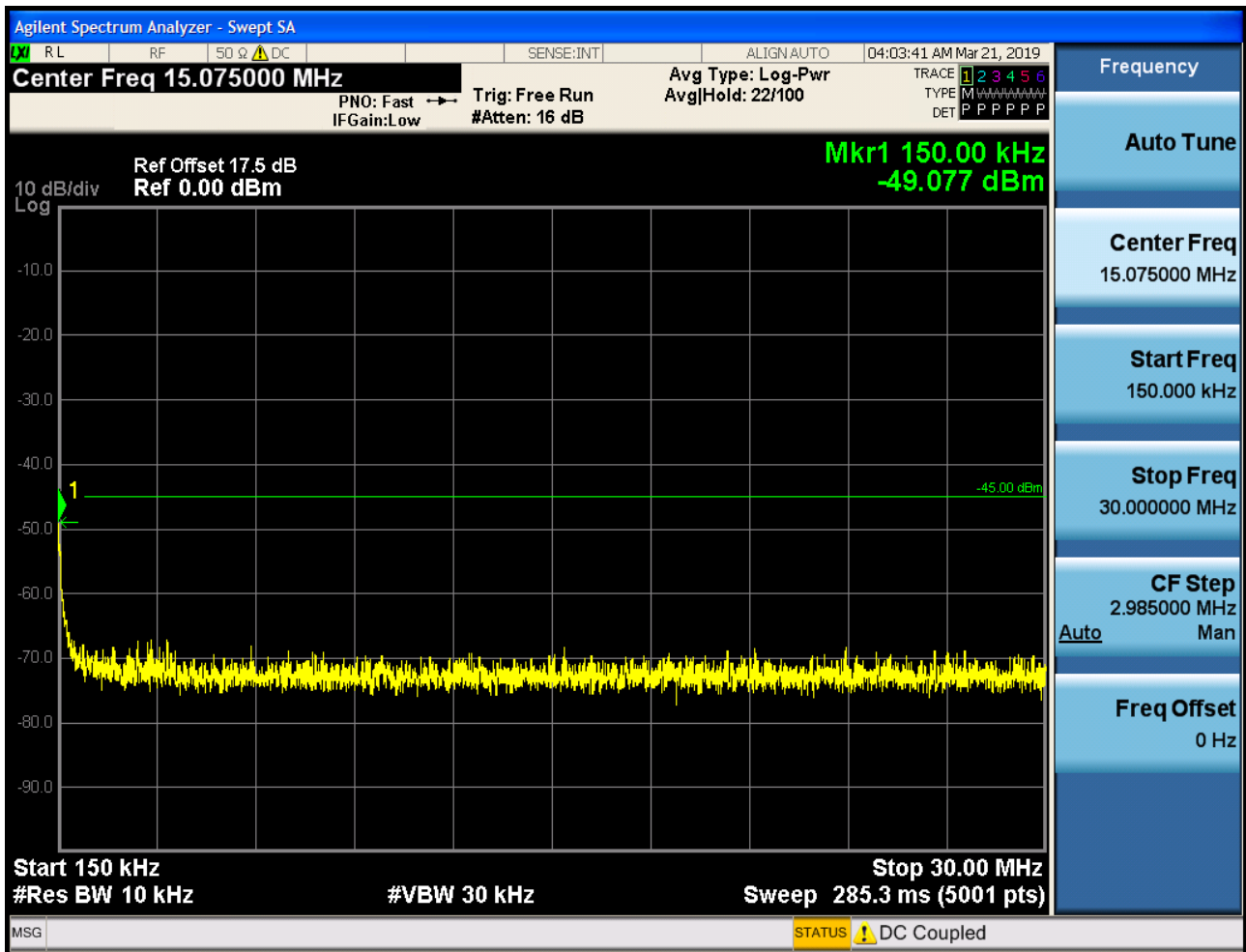


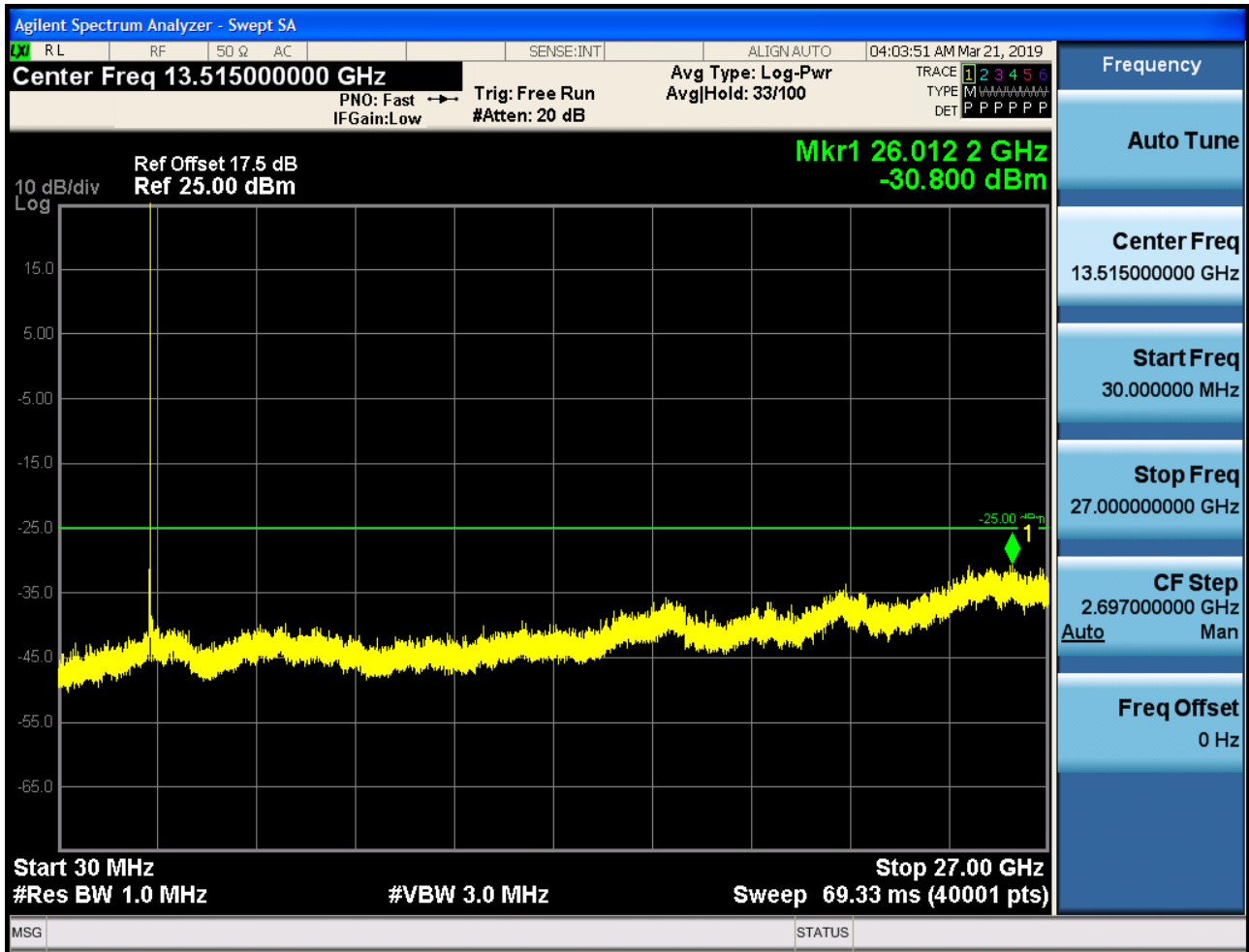


6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0



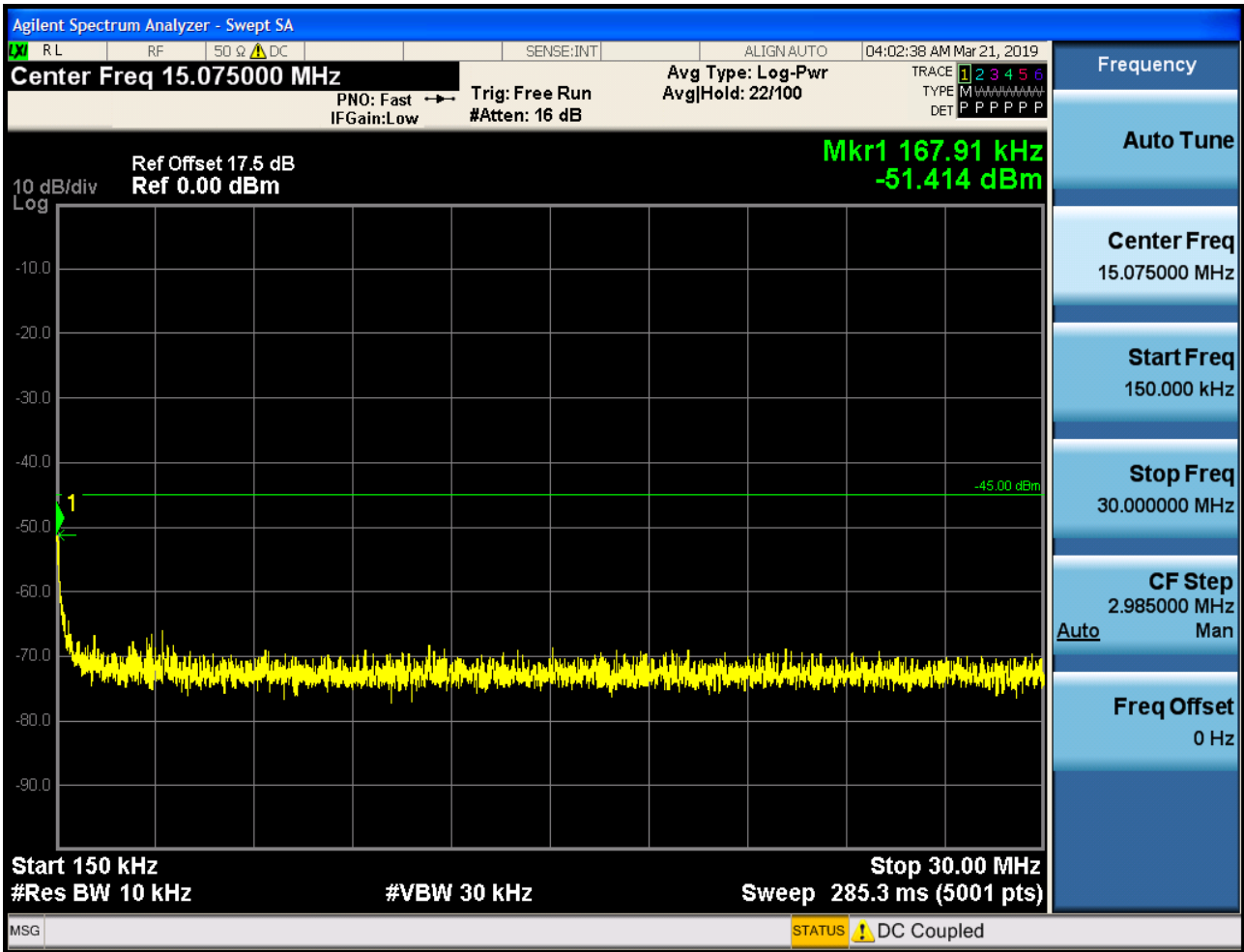


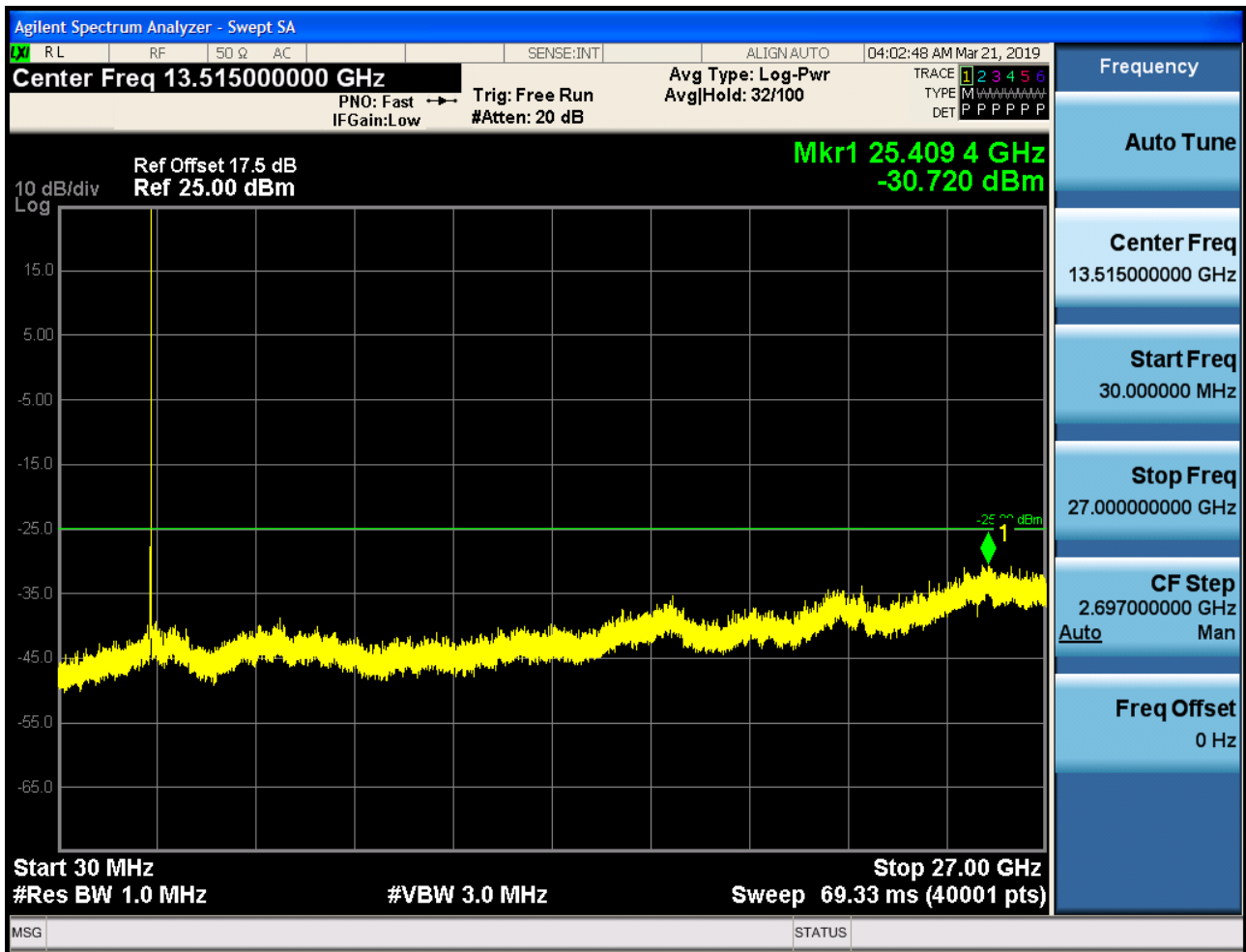


6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0





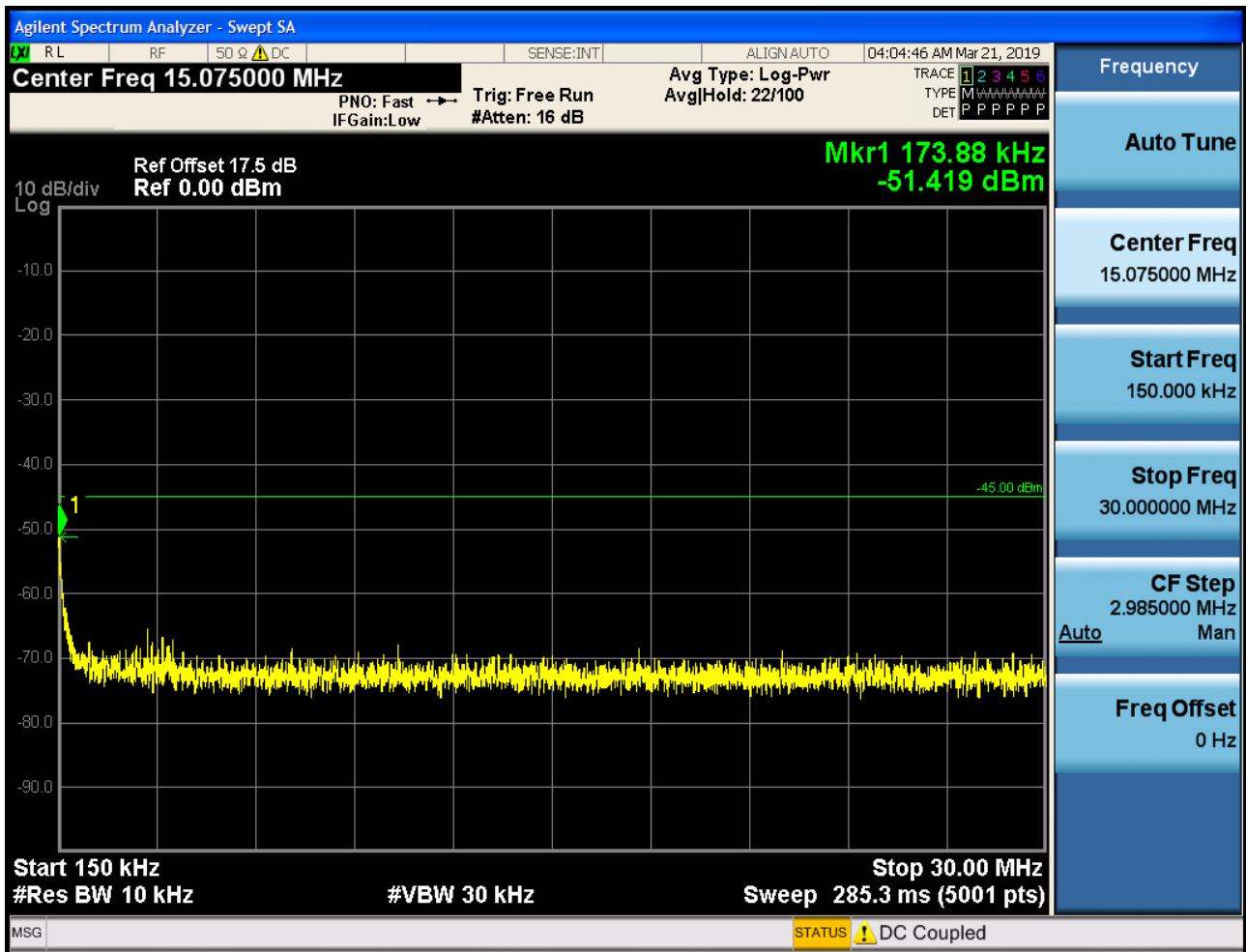


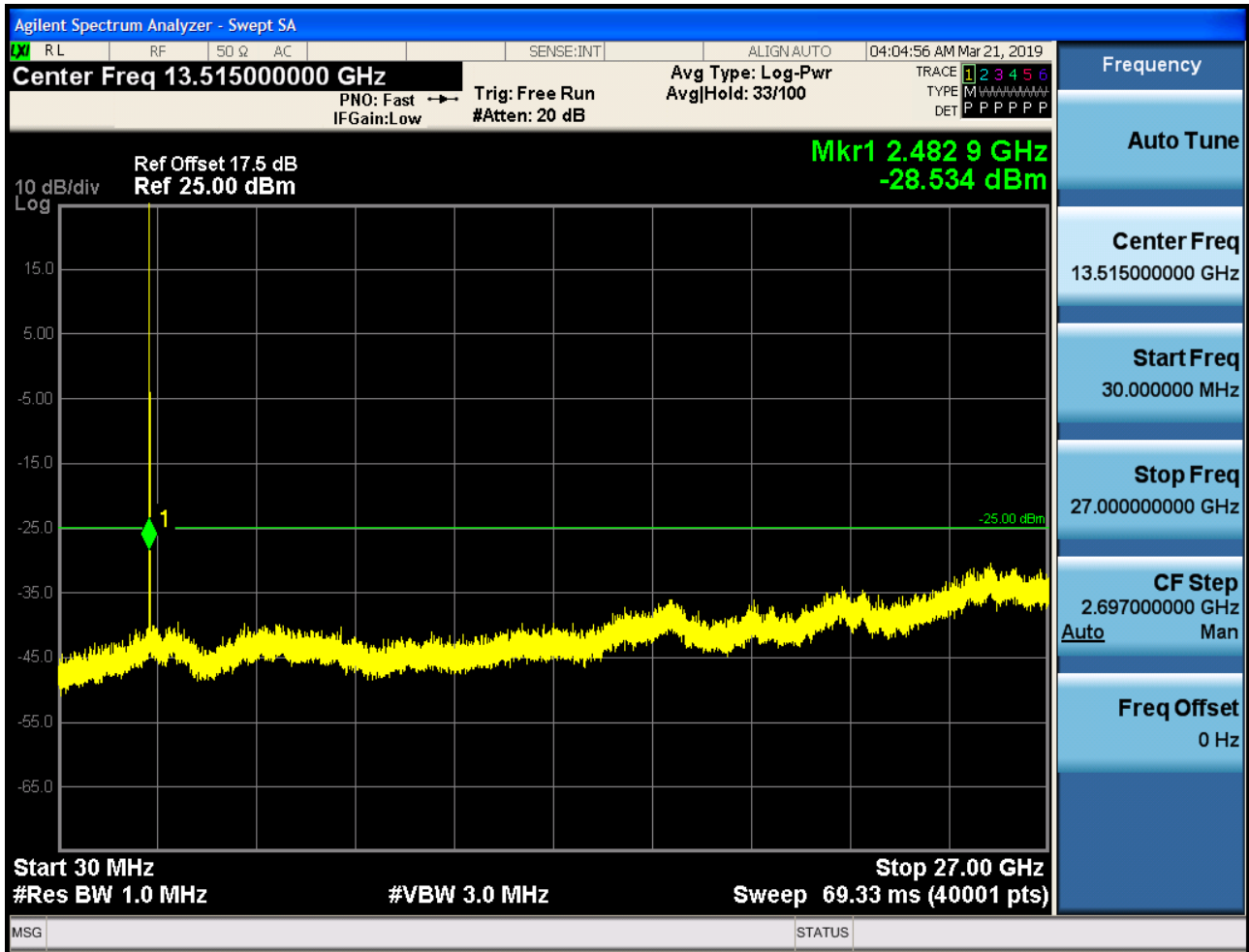
6.2.1.1.4 Test Bandwidth = 20

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0

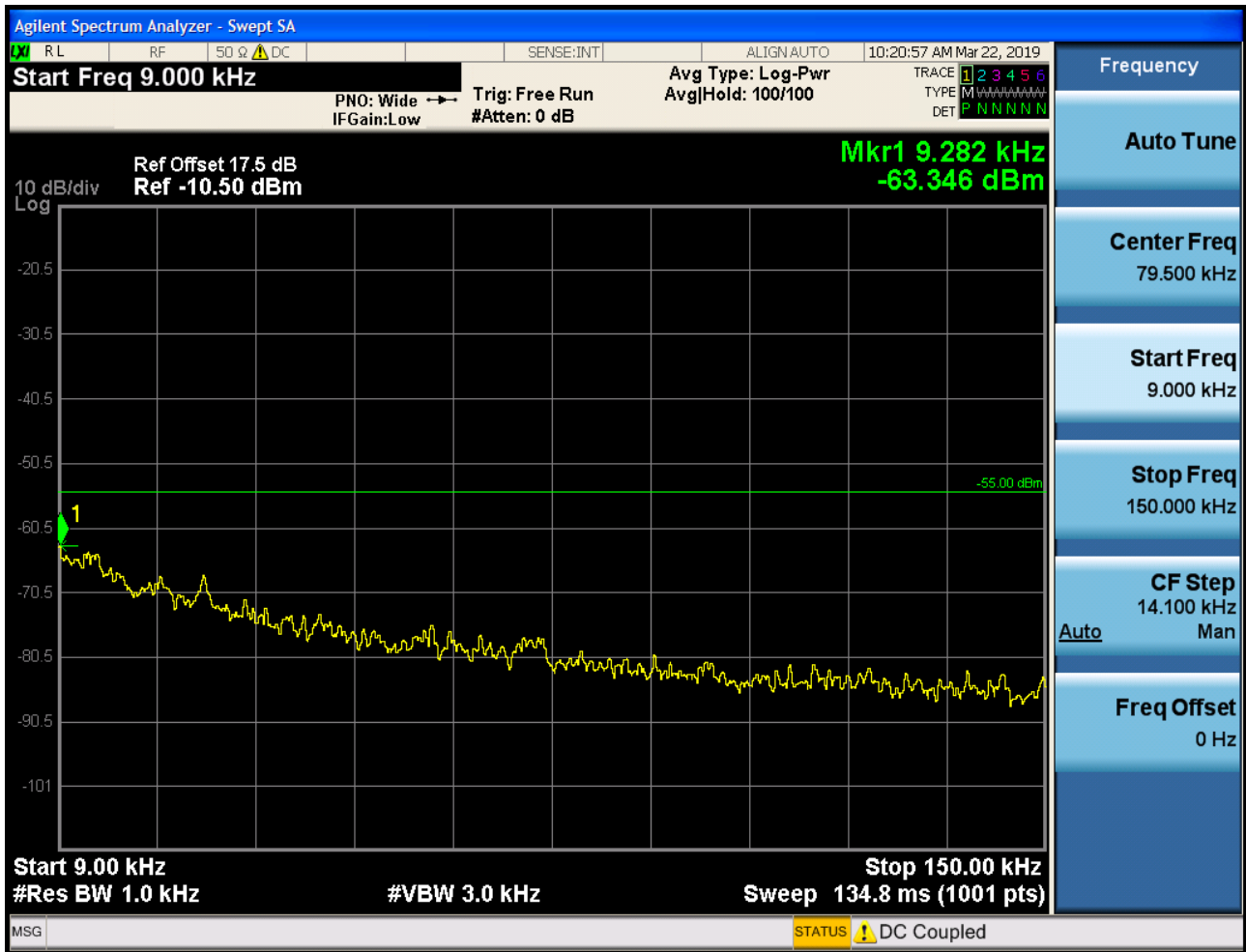


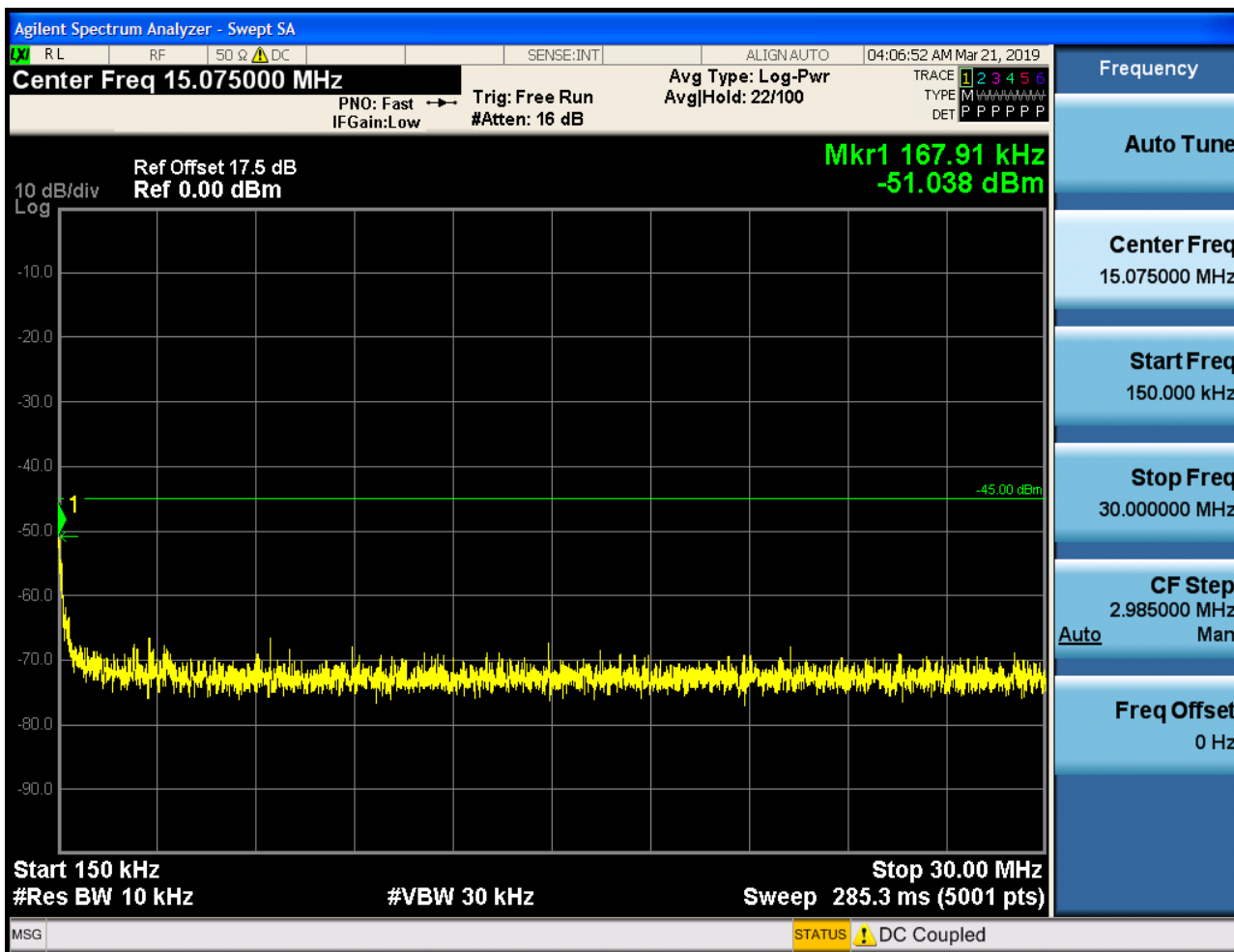


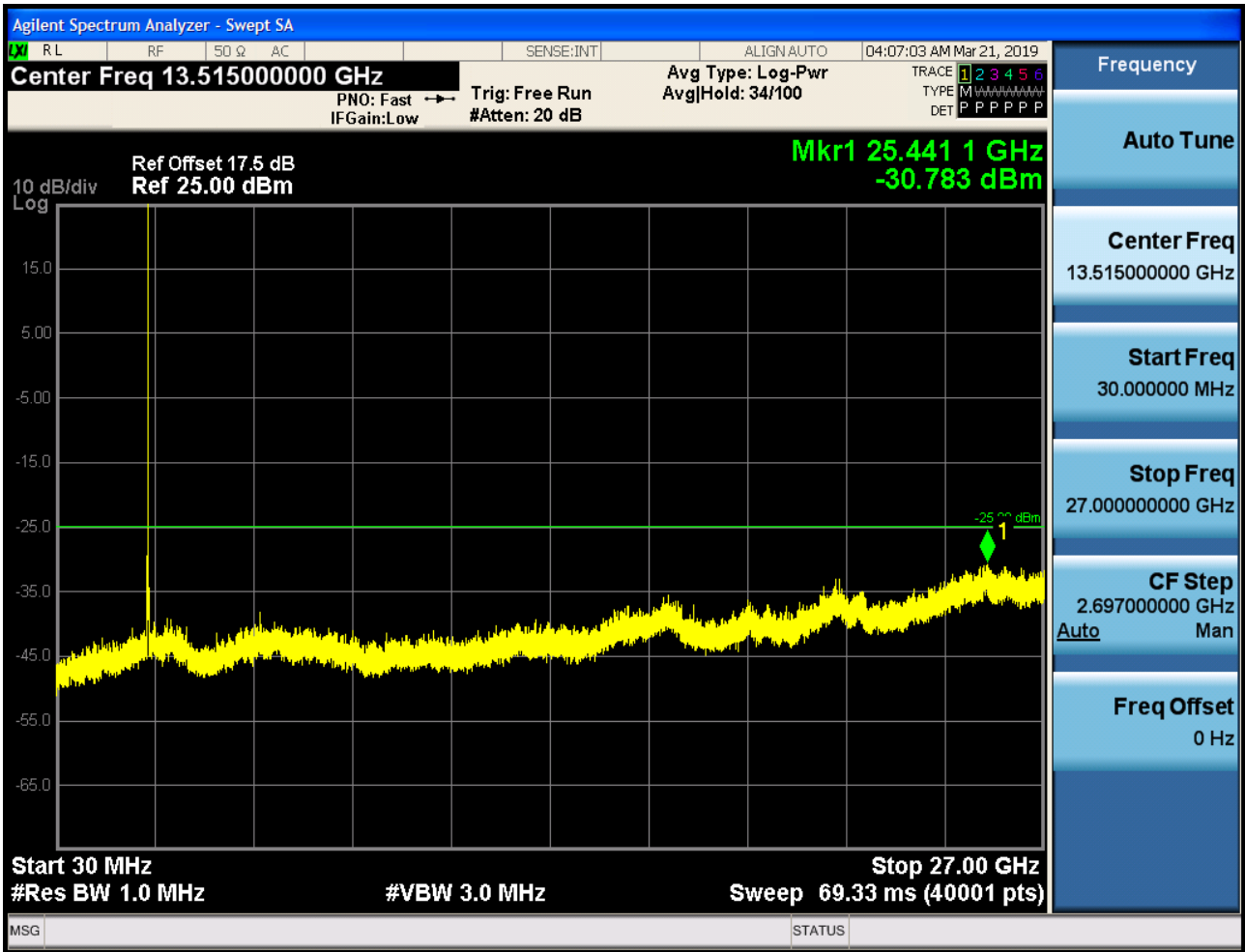


6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0

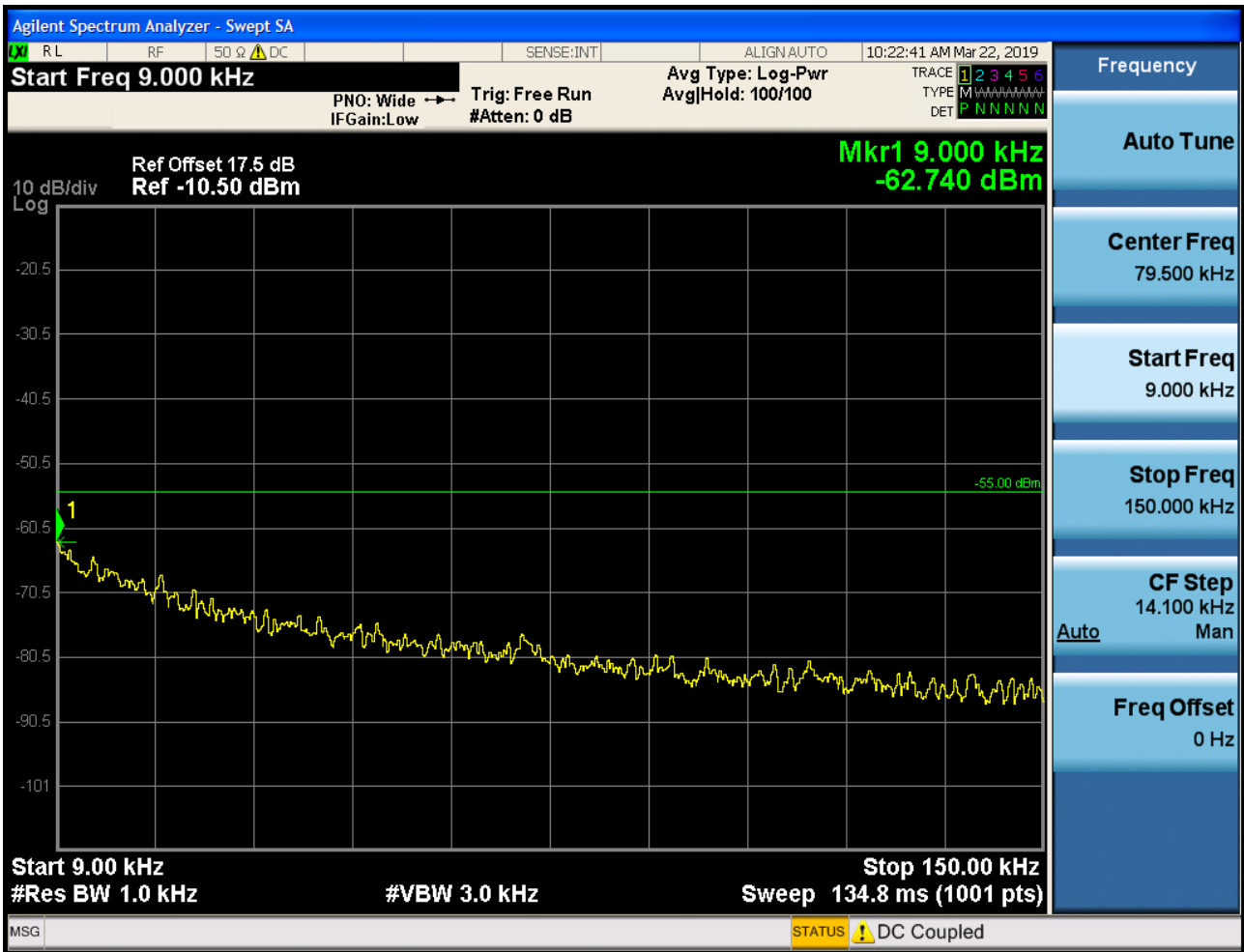


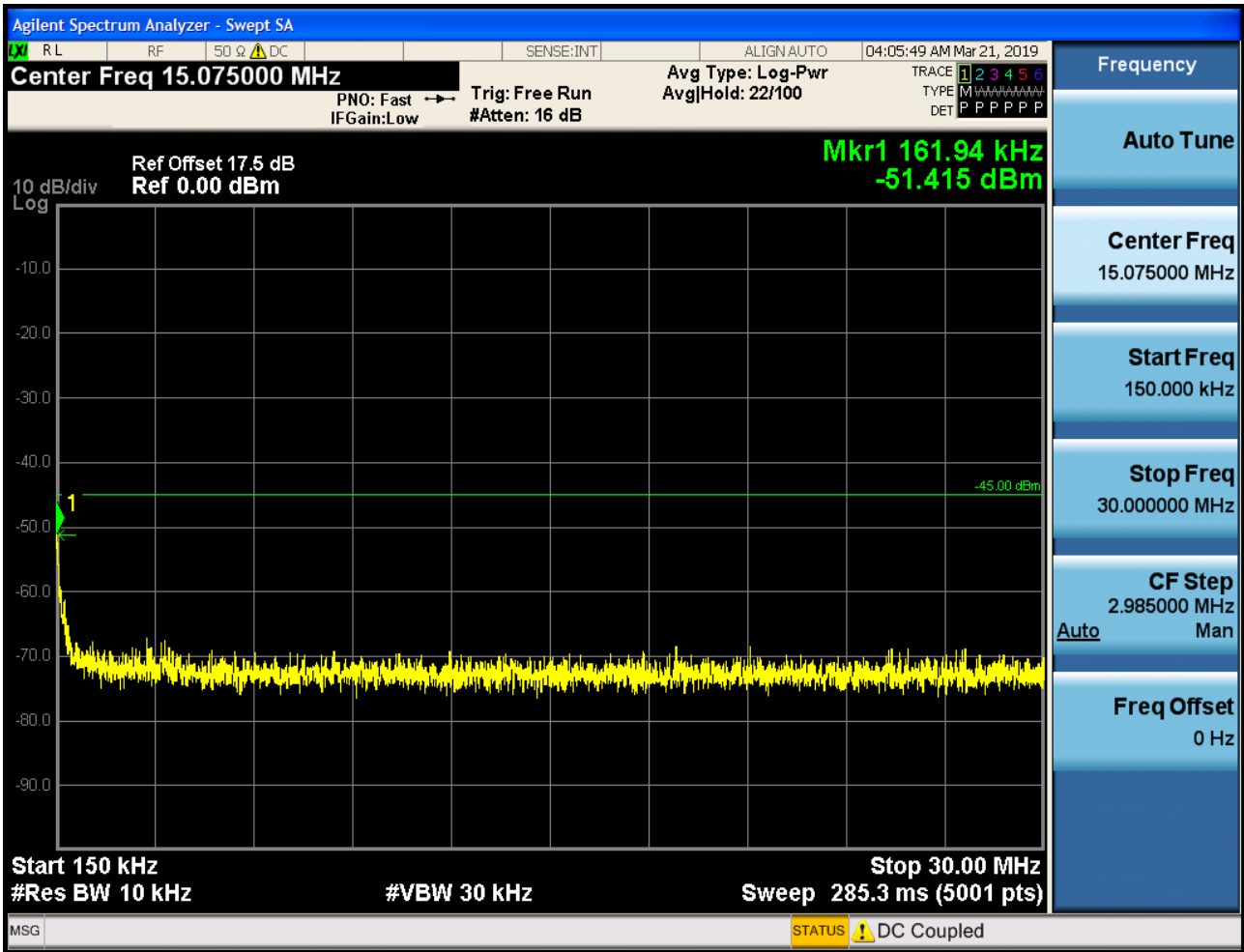


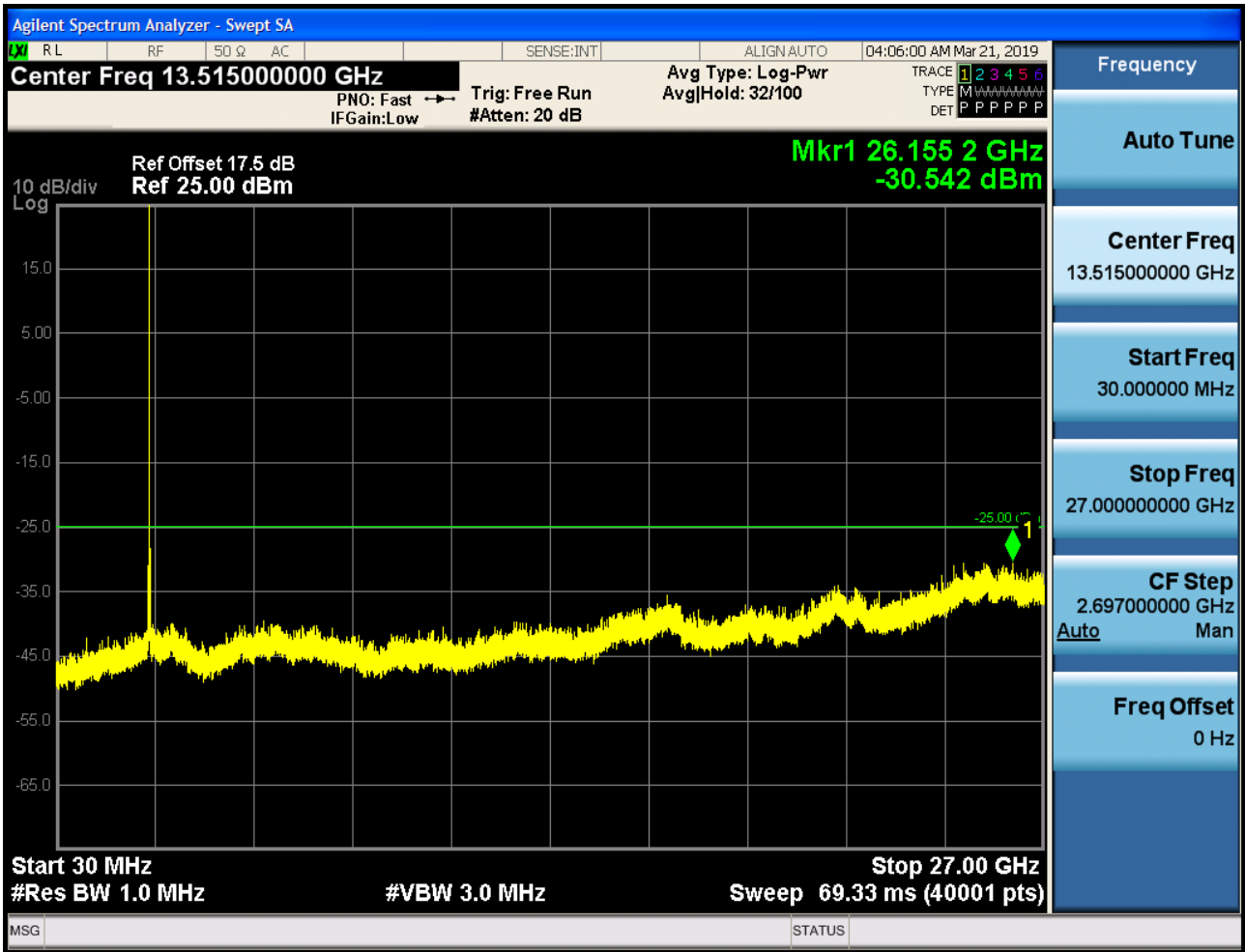


6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0







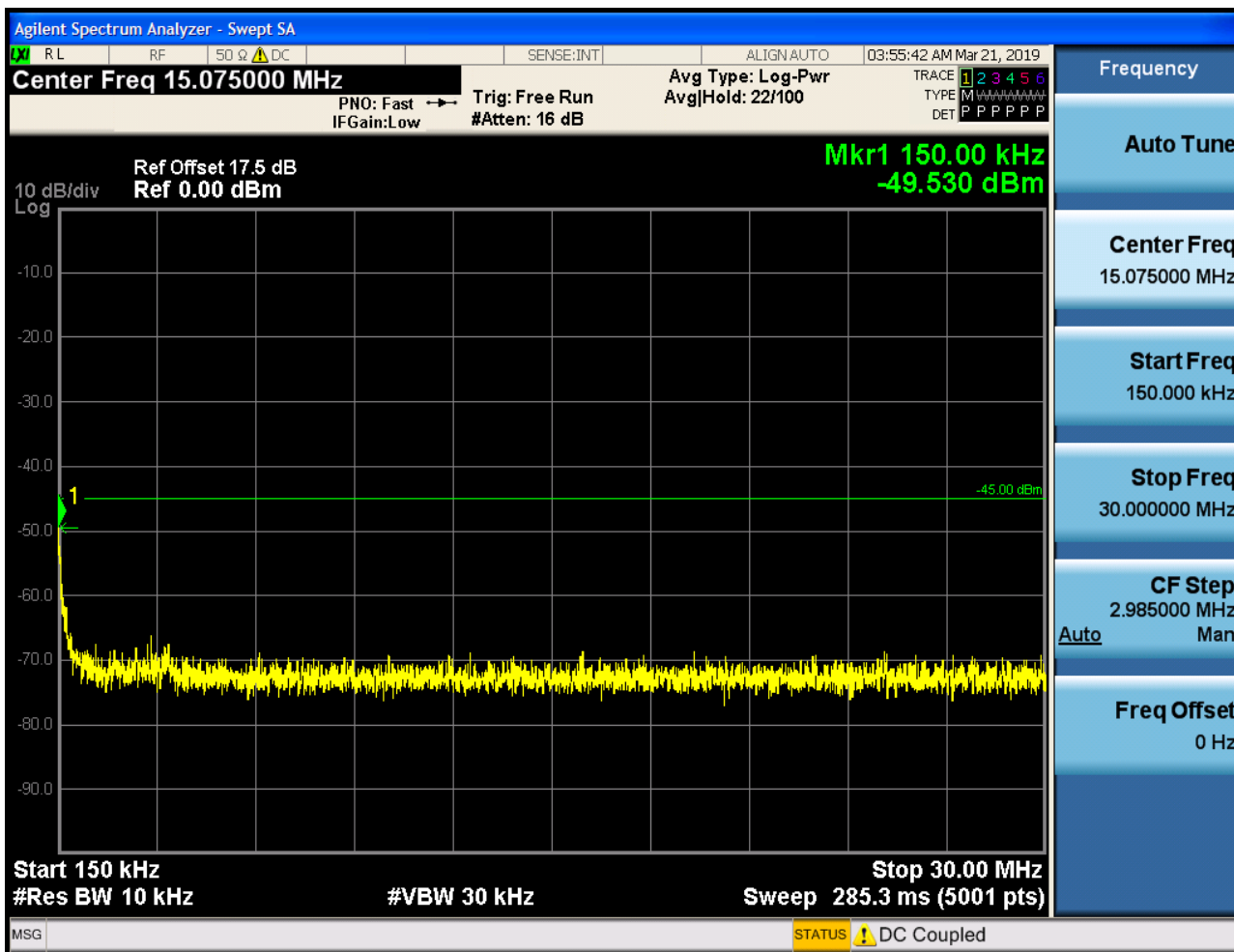
6.2.1.2 Test Mode = LTE/TM2

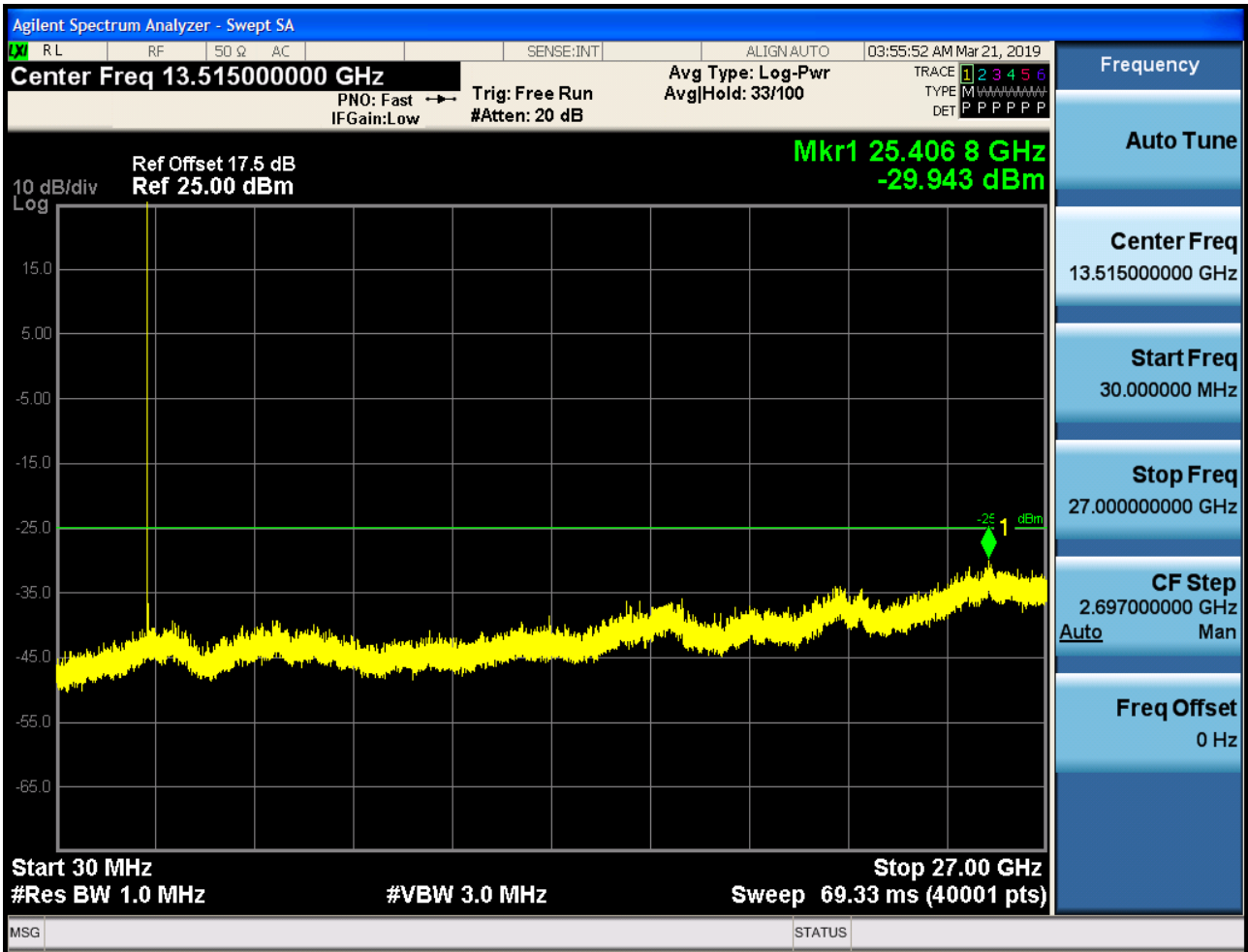
6.2.1.2.1 Test Bandwidth = 5

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0

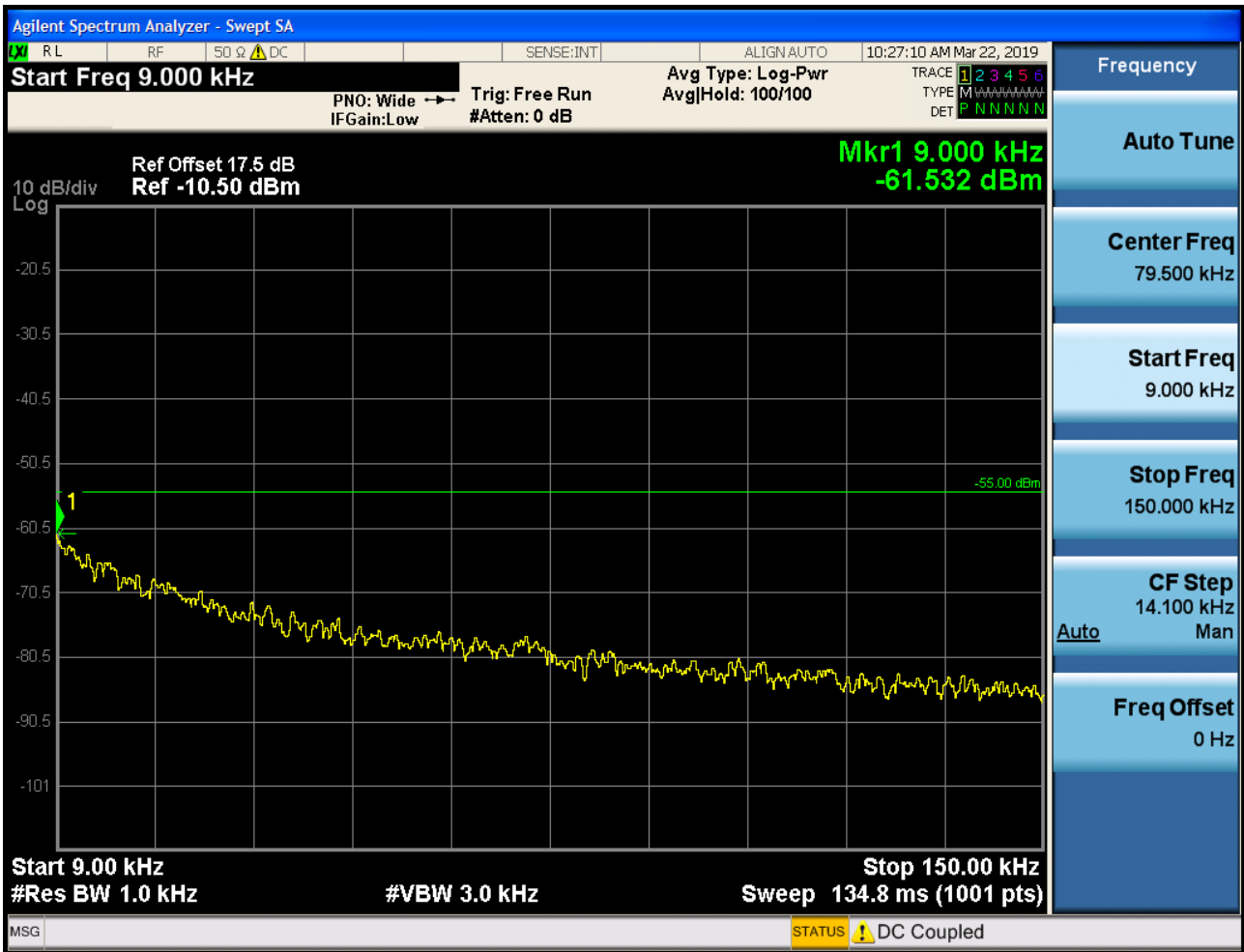


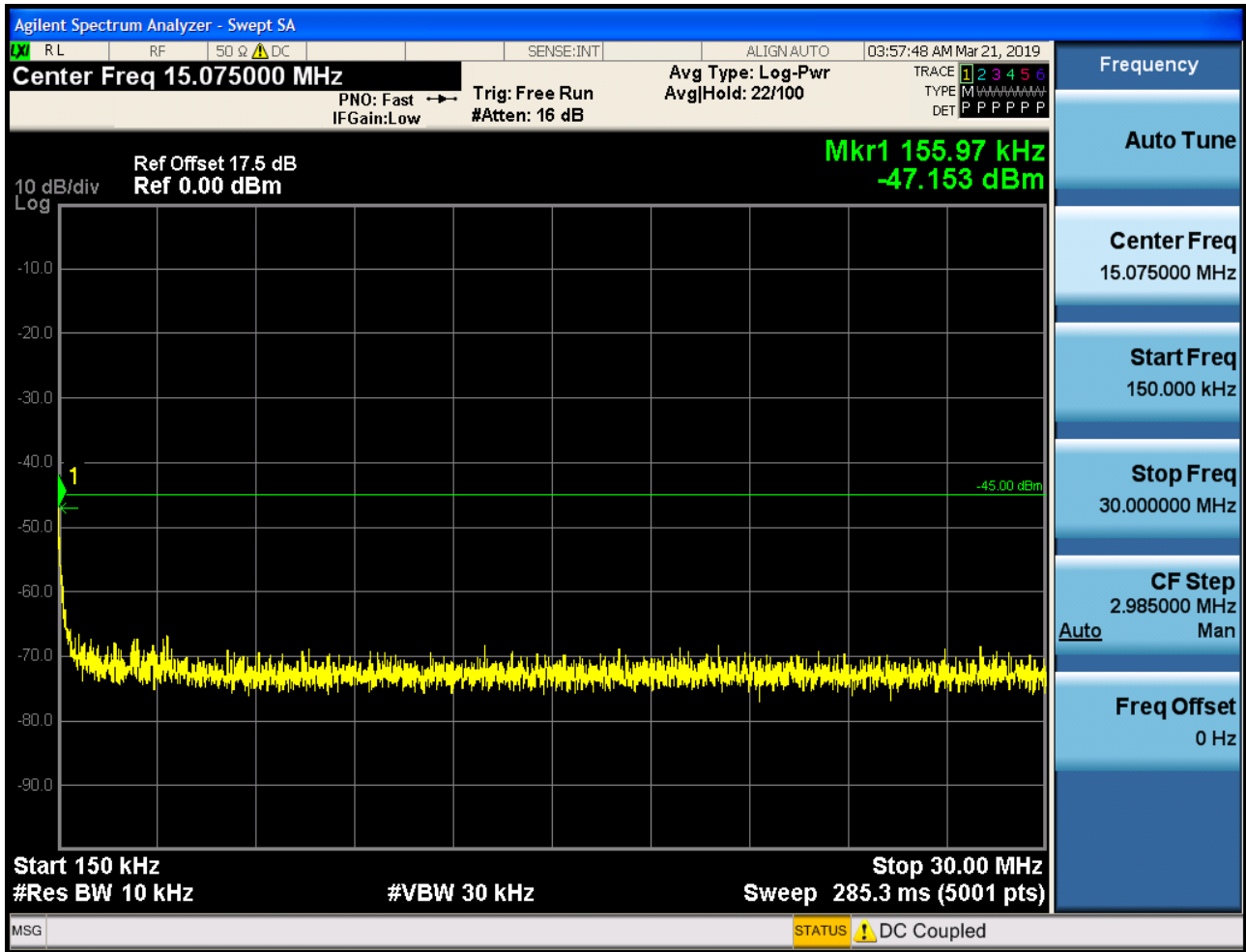


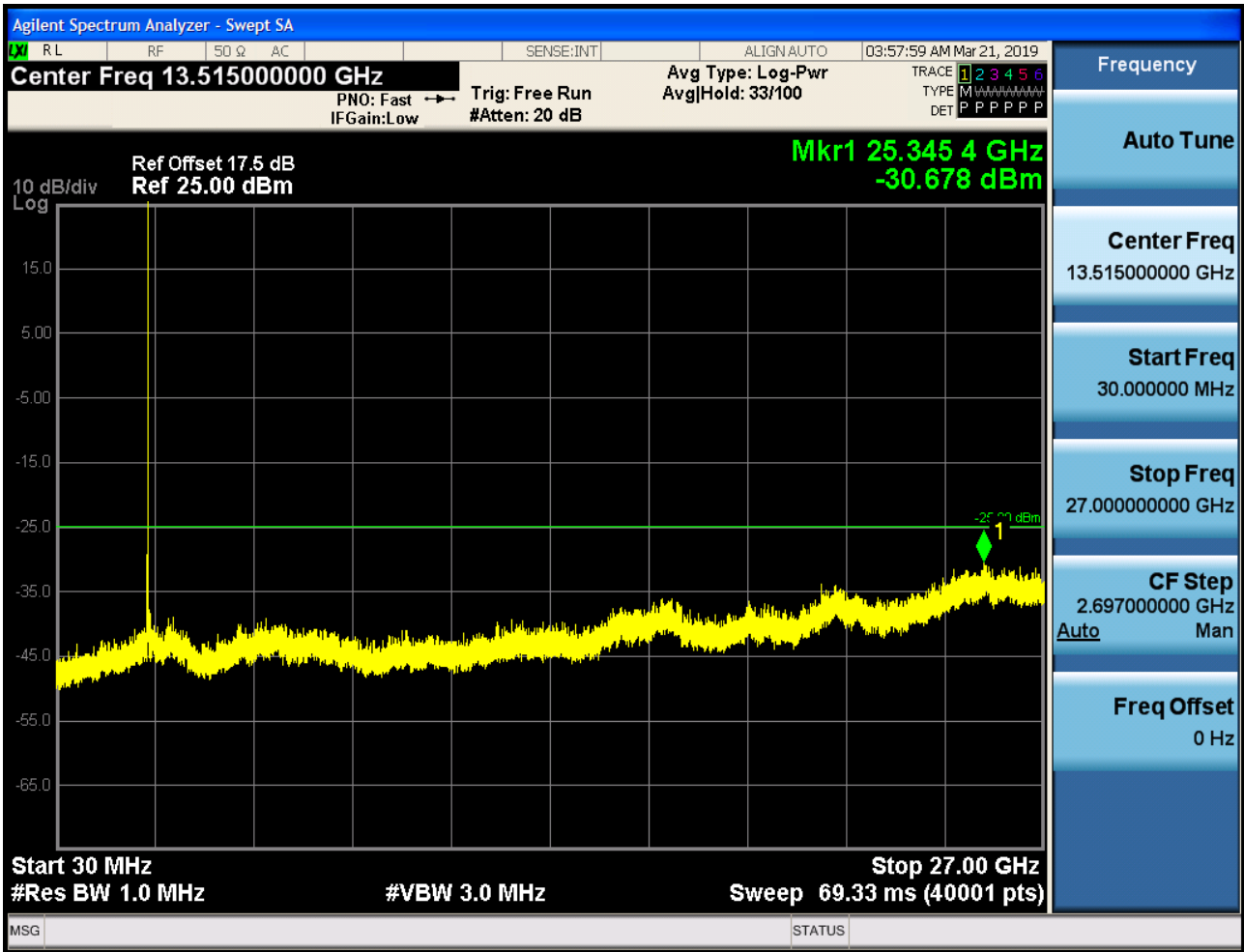


6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0



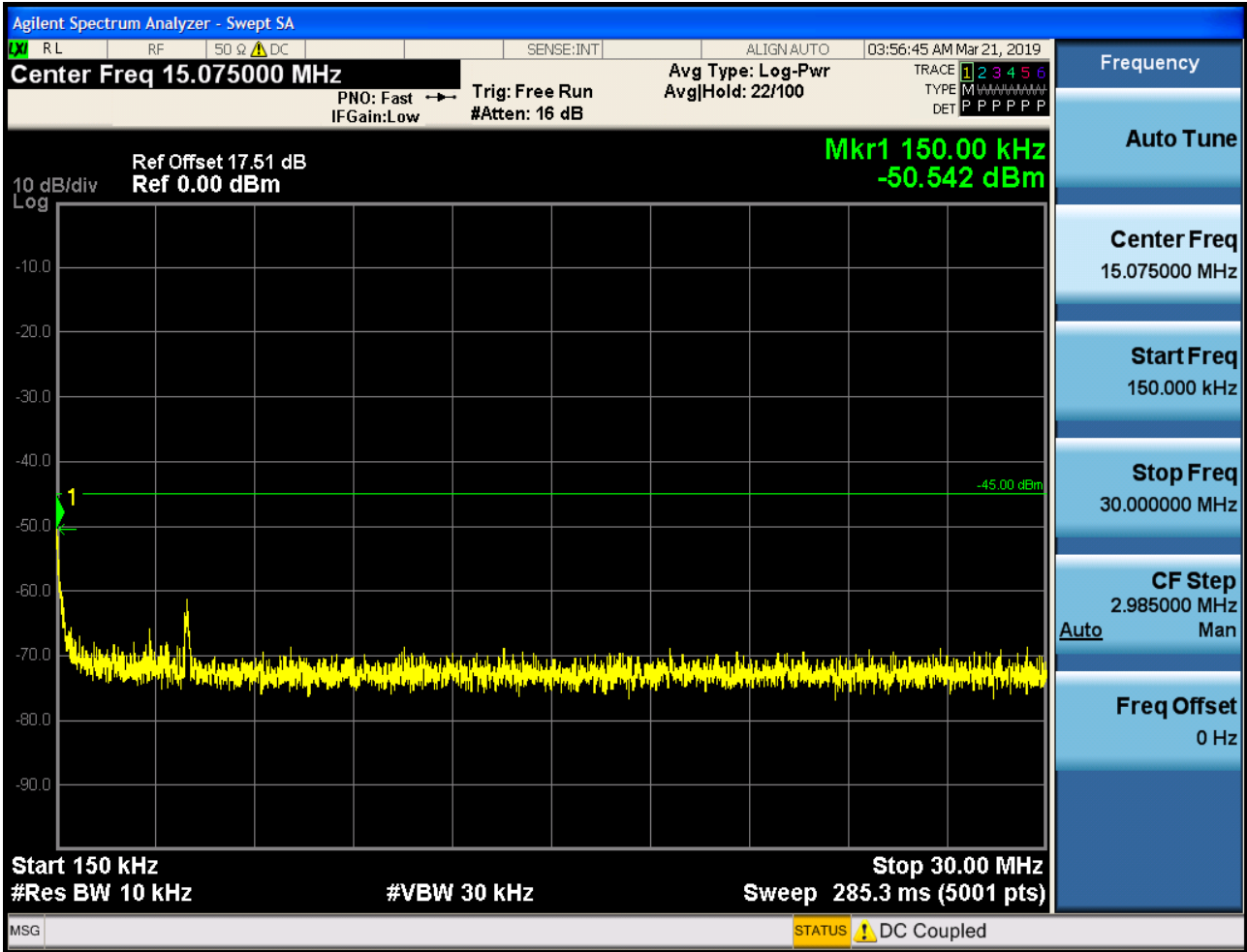


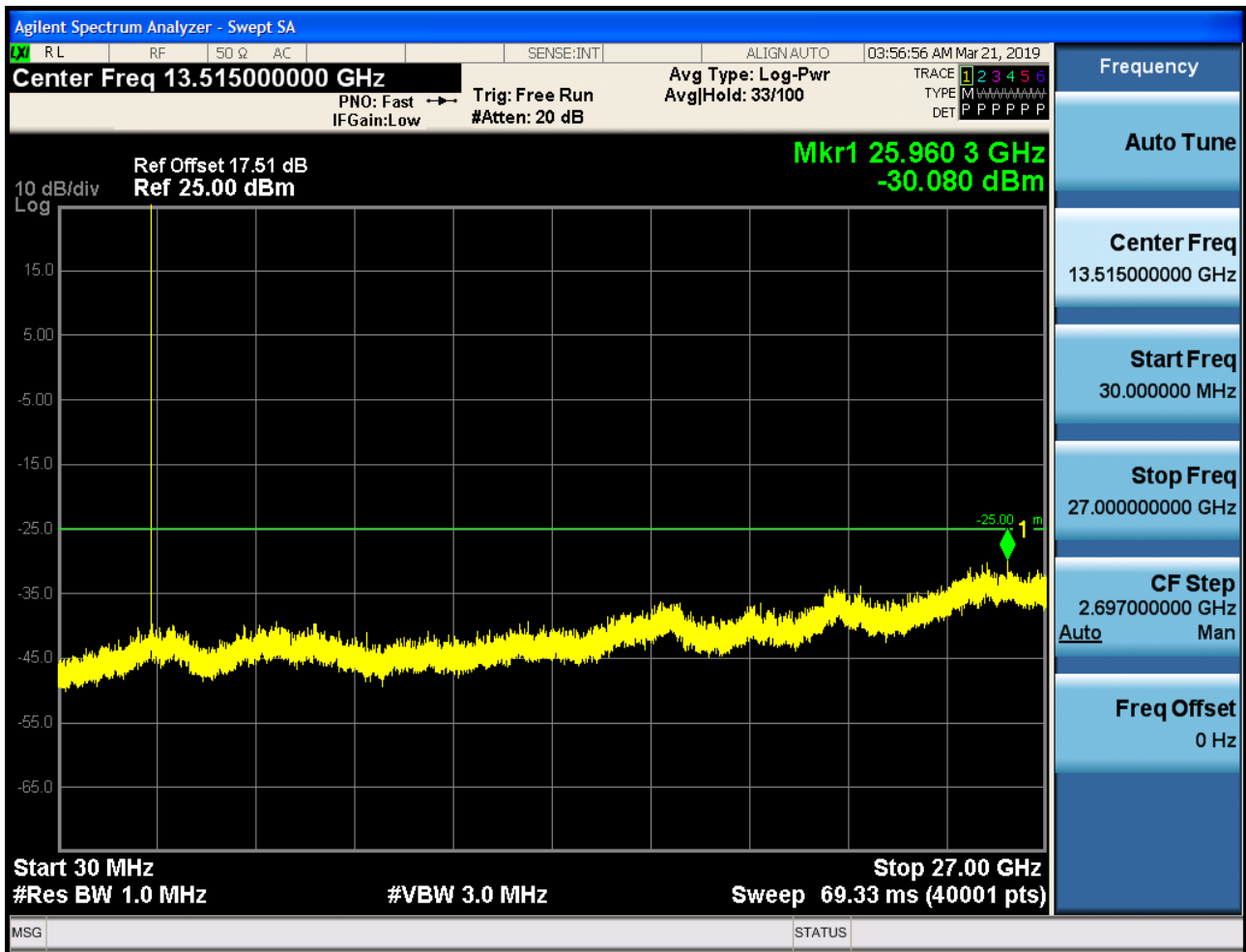


6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0



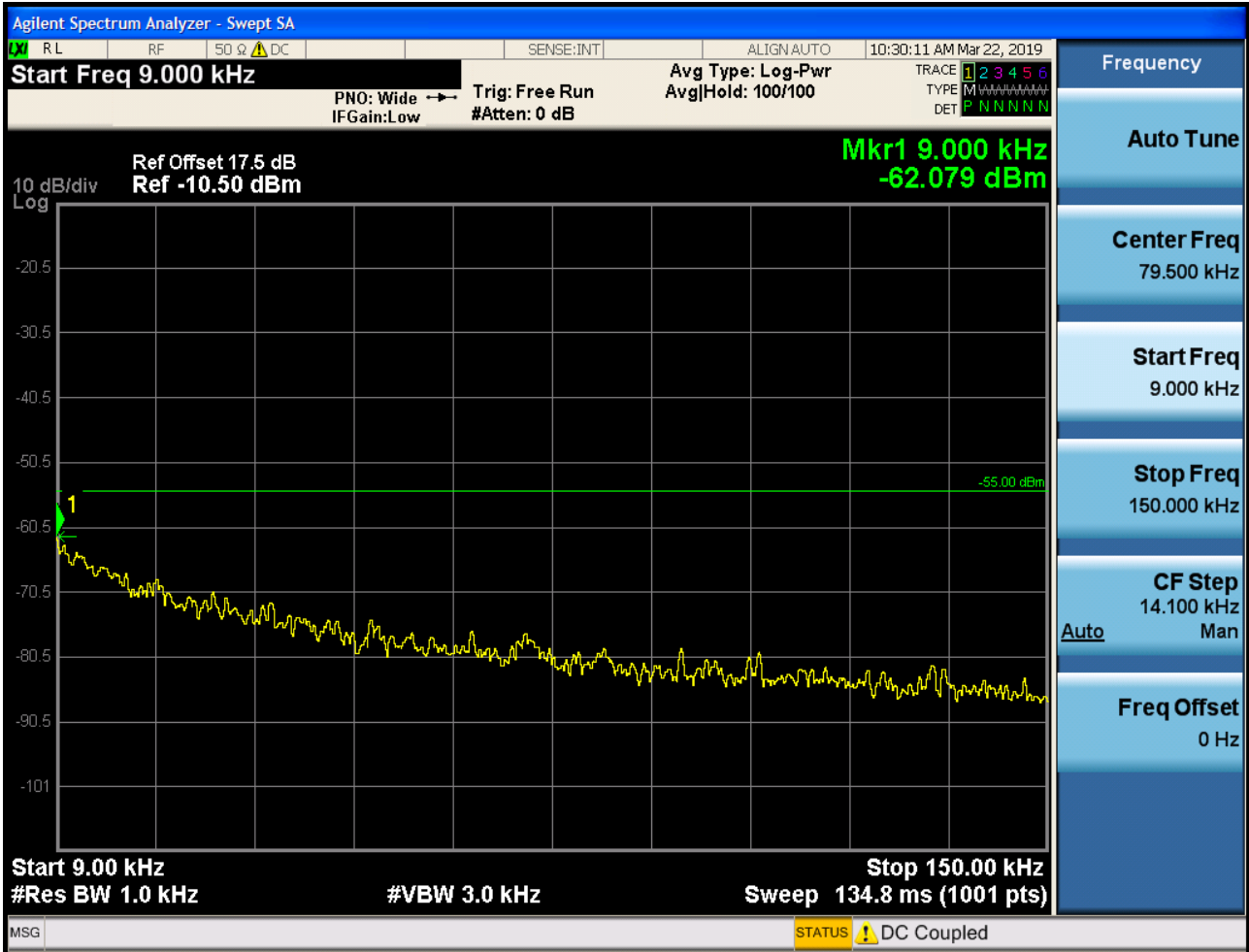


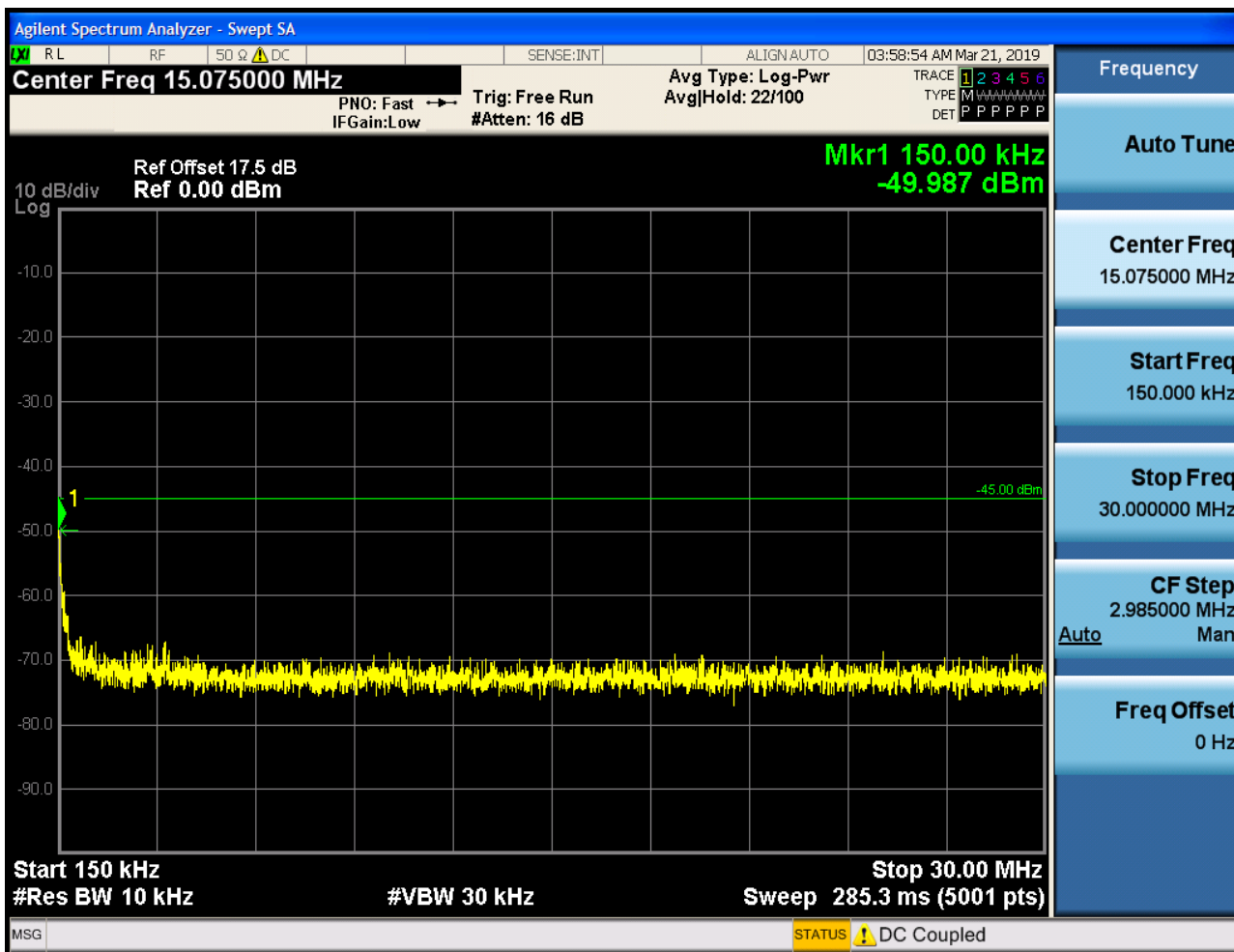


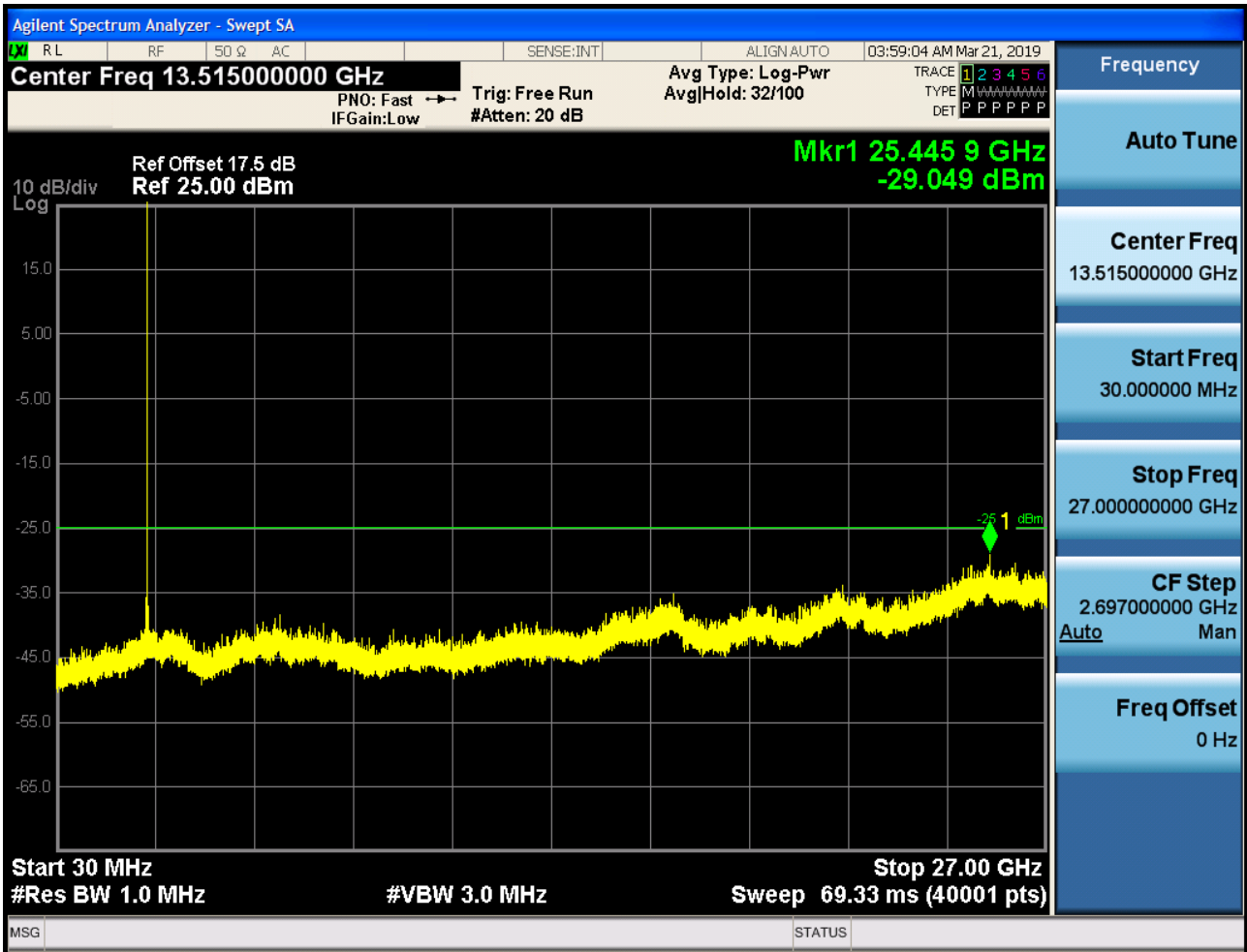
6.2.1.2.2 Test Bandwidth = 10

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0

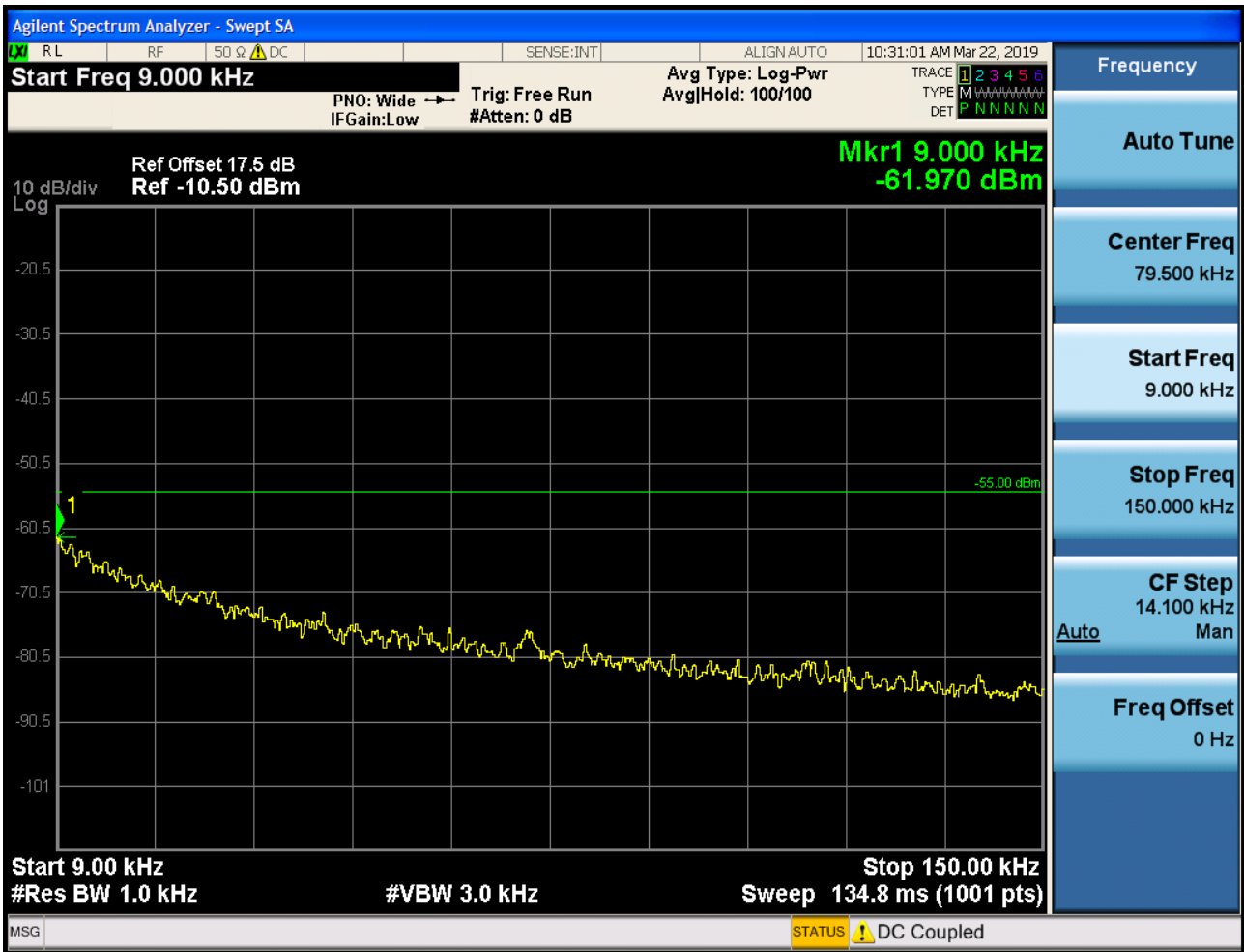


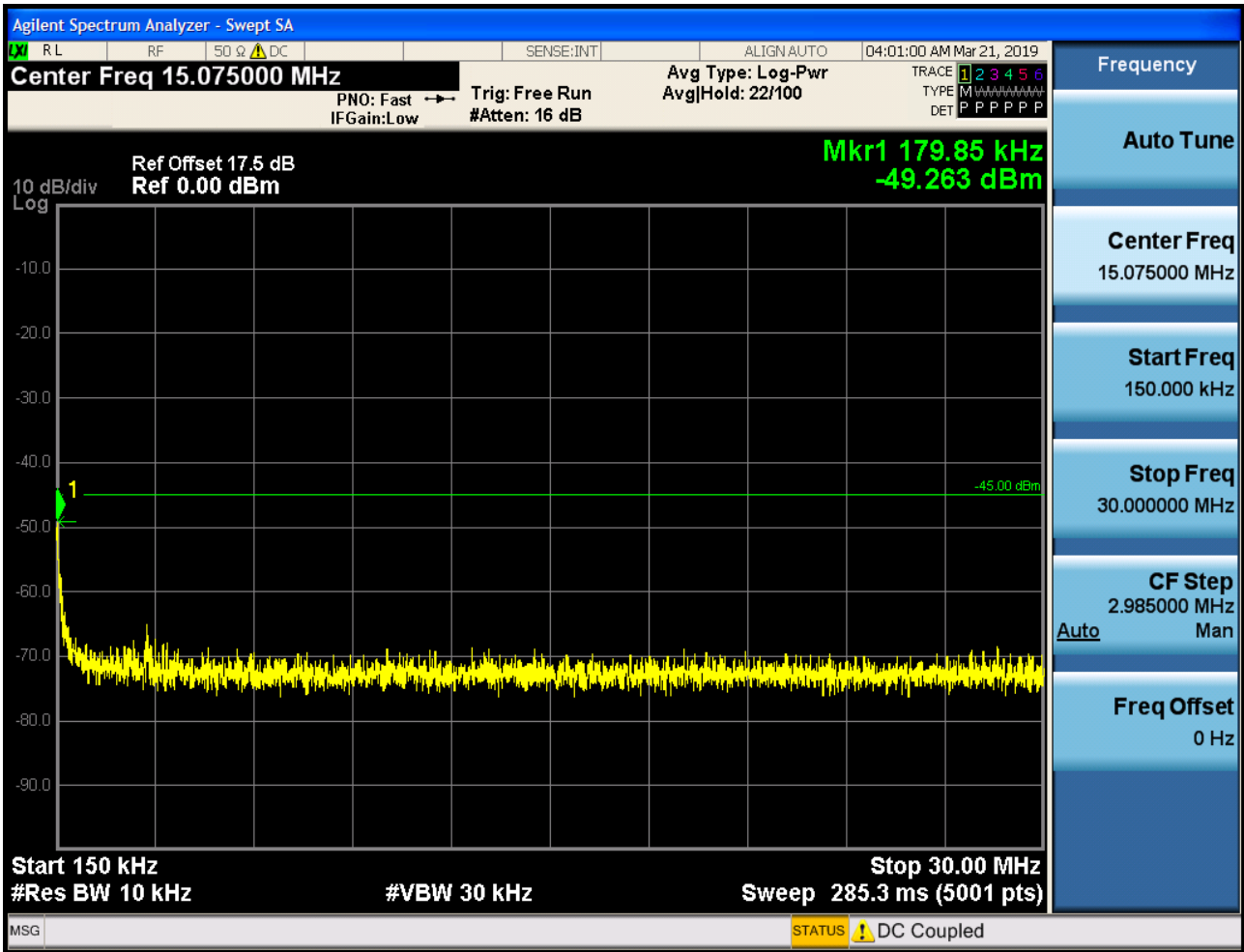


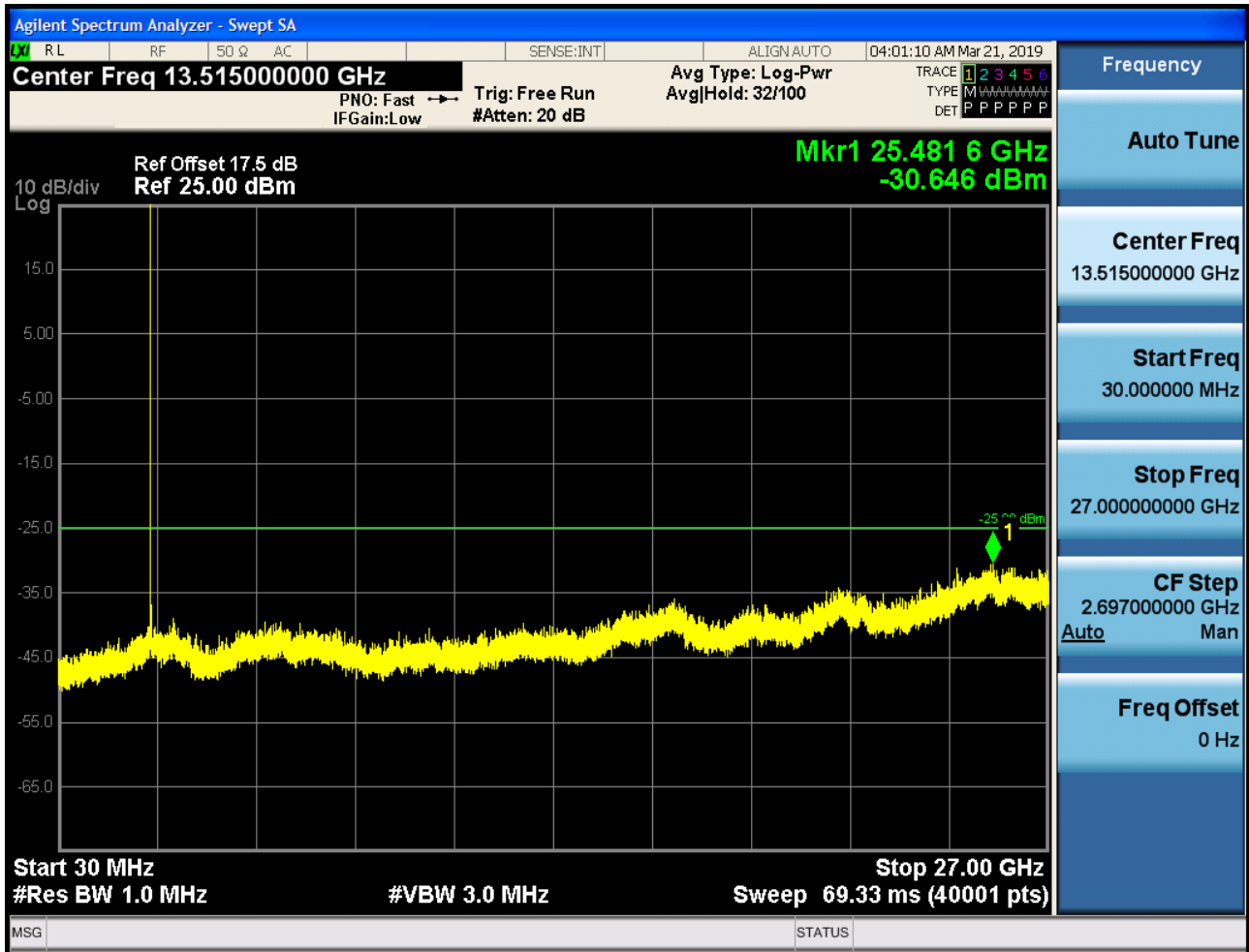


6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.1 Test RB = RB1#0

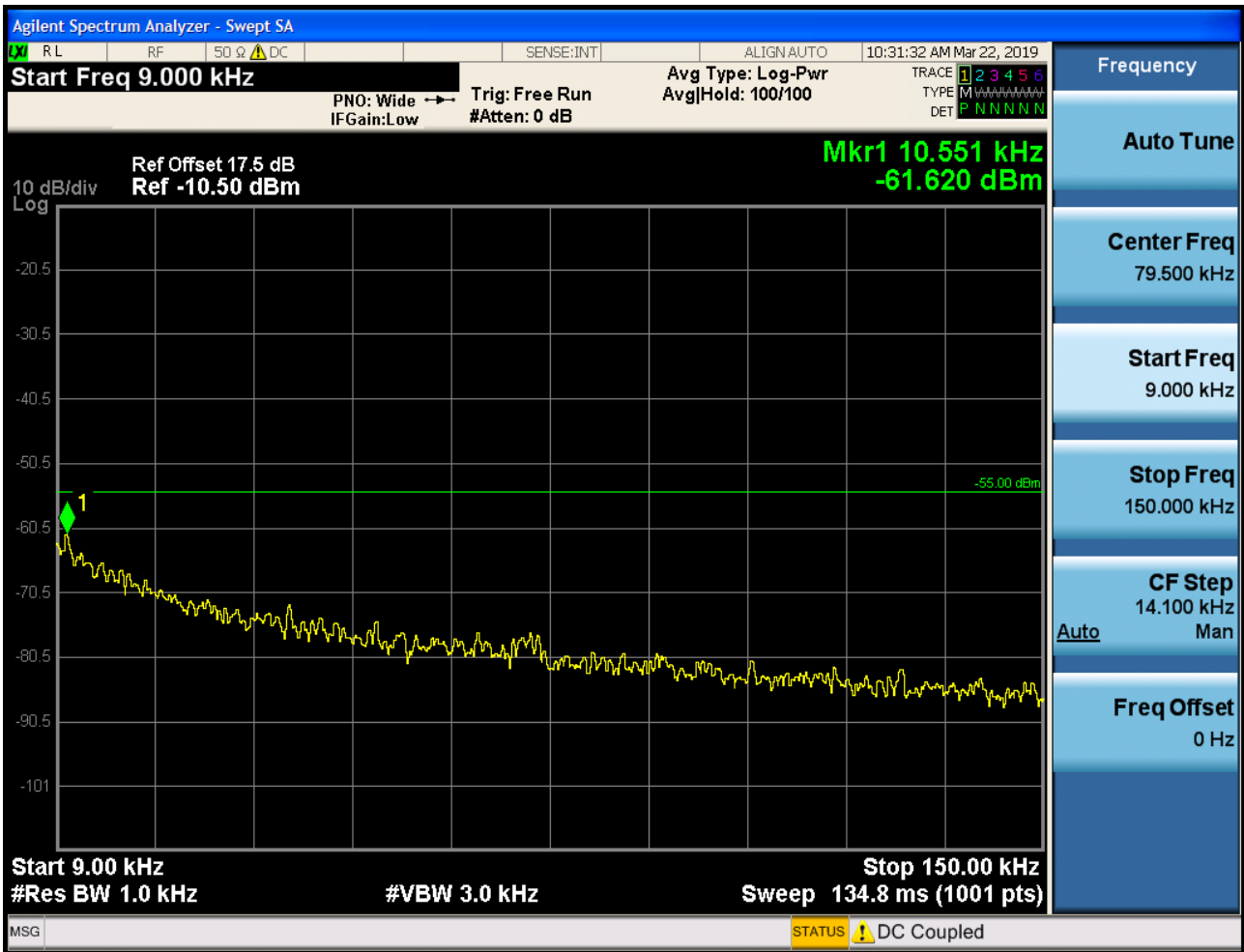


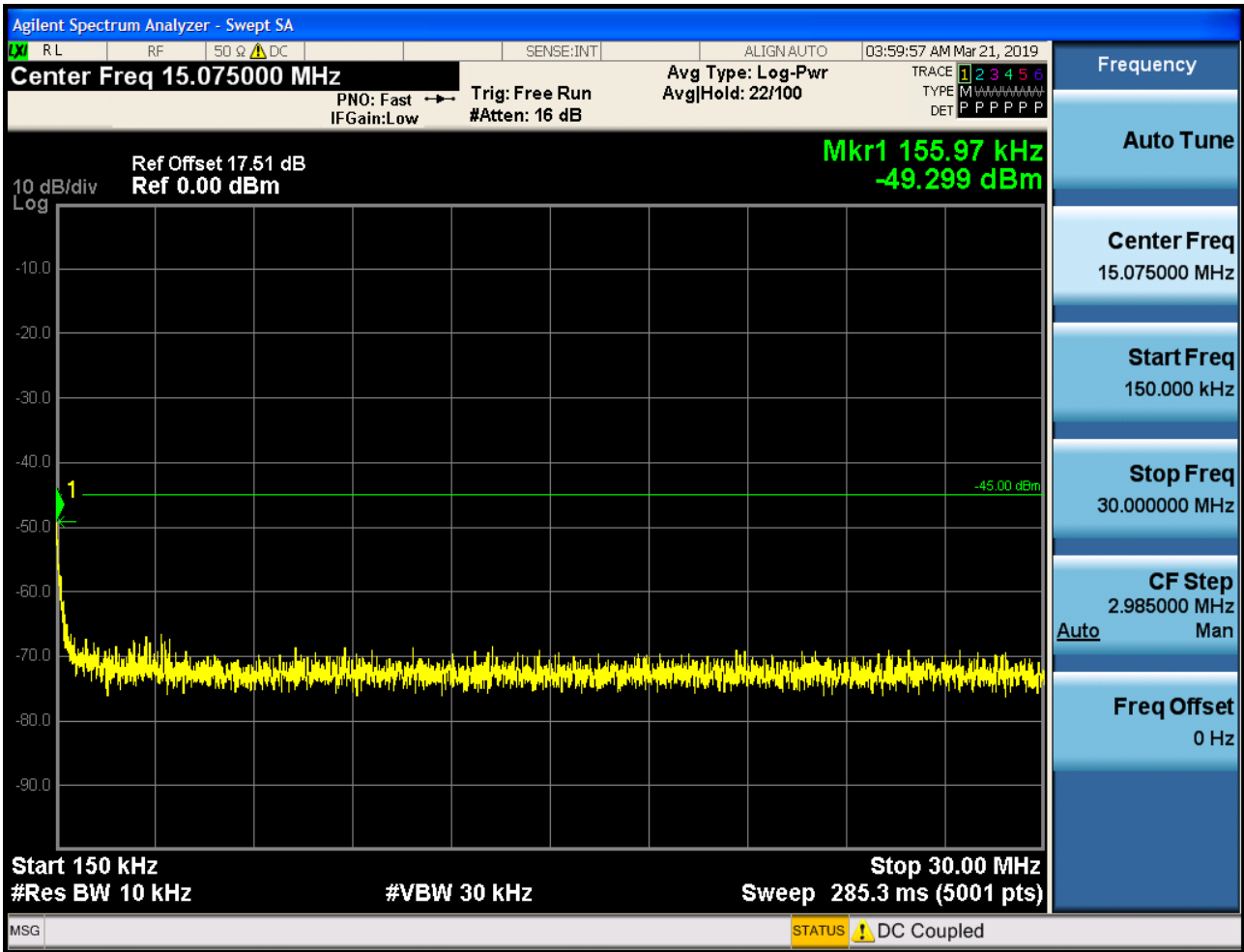


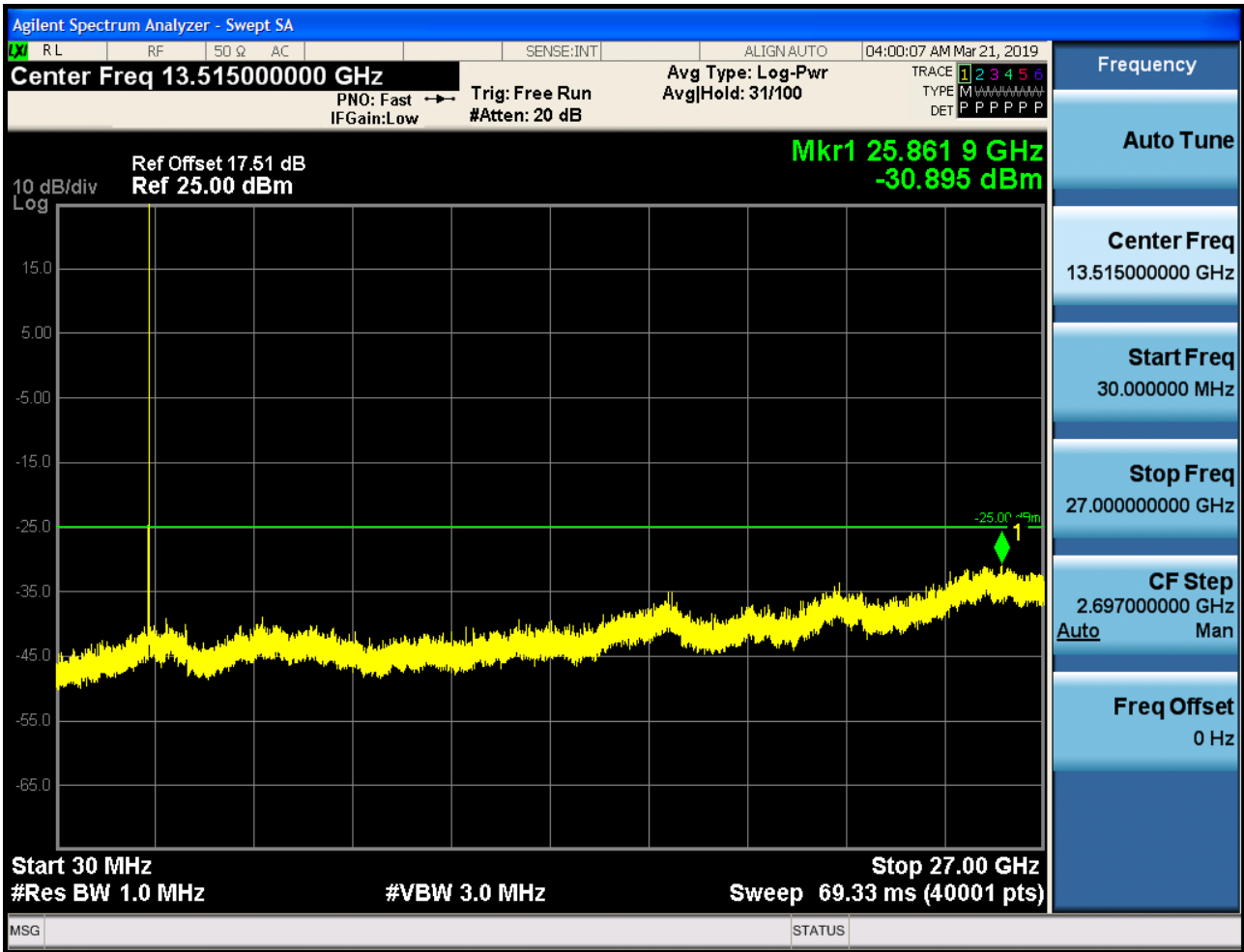


6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0





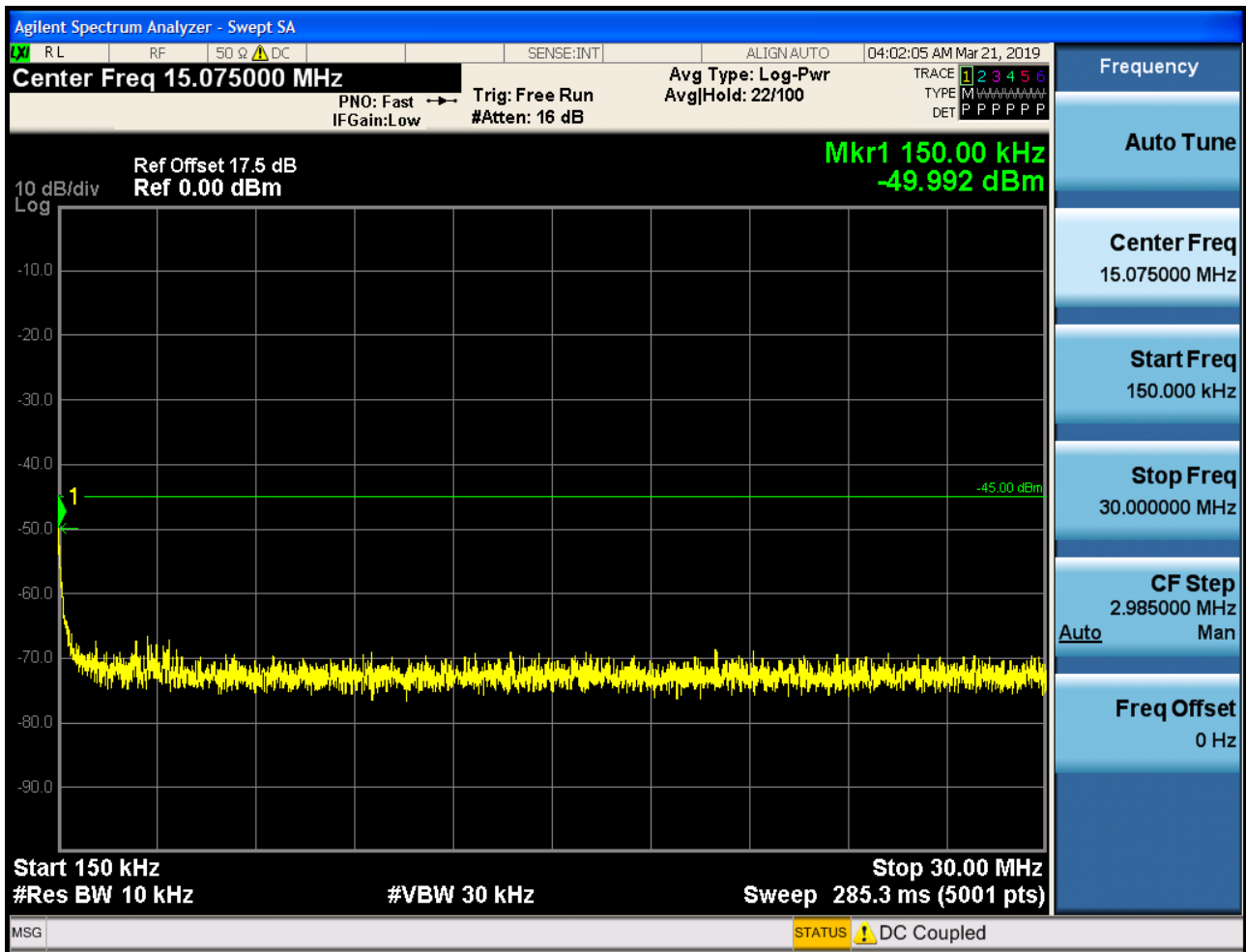


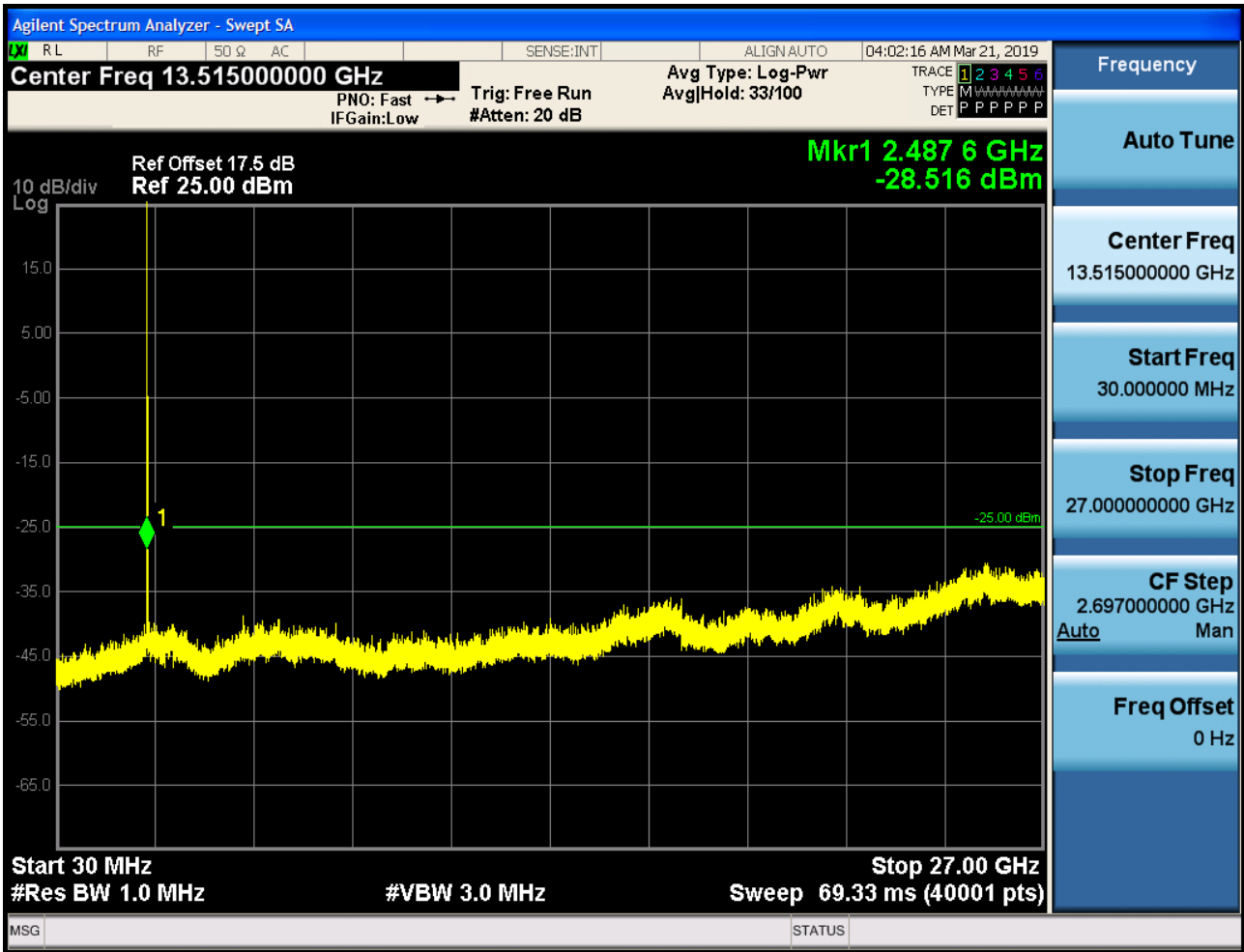
6.2.1.2.3 Test Bandwidth = 15

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0



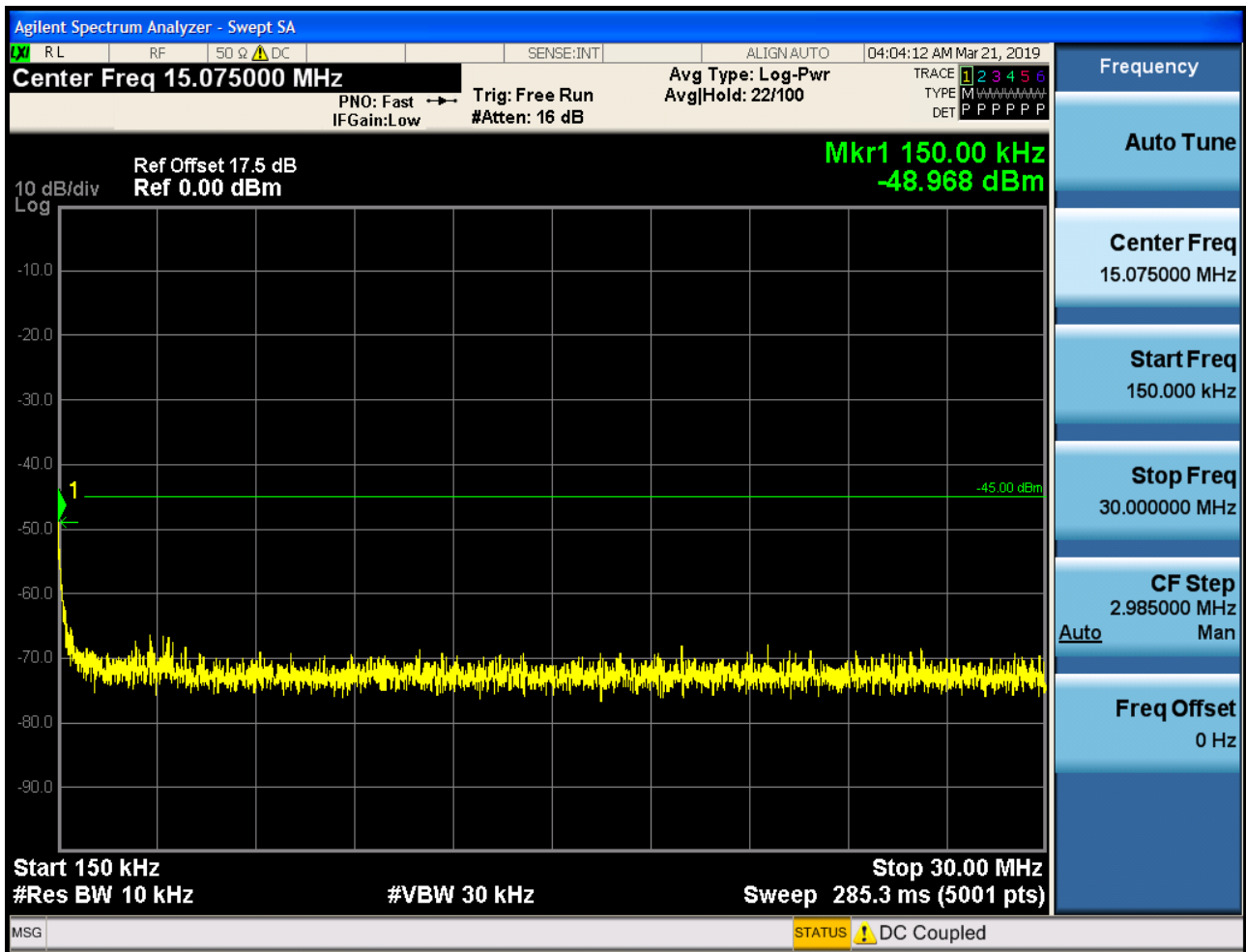


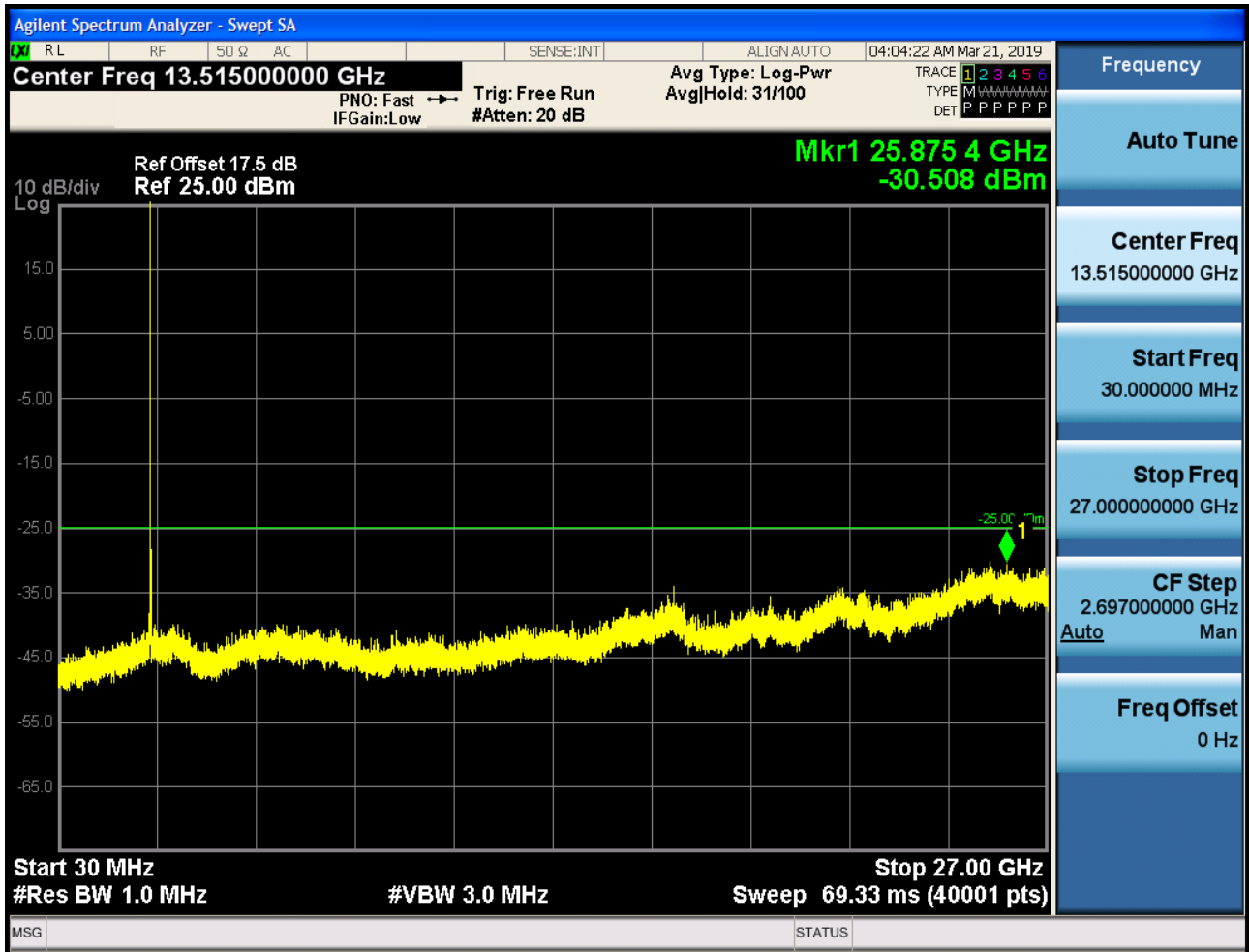


6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0



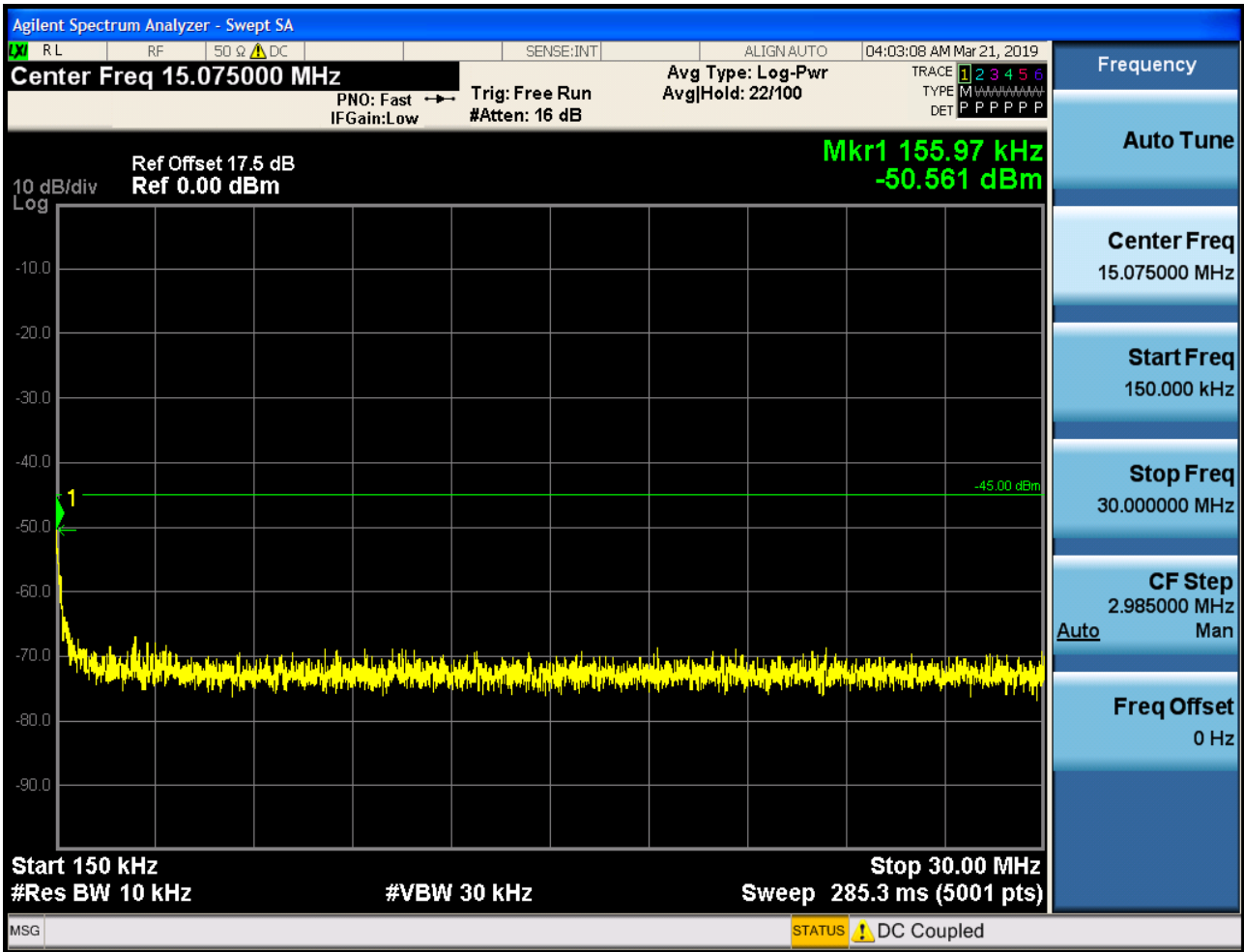


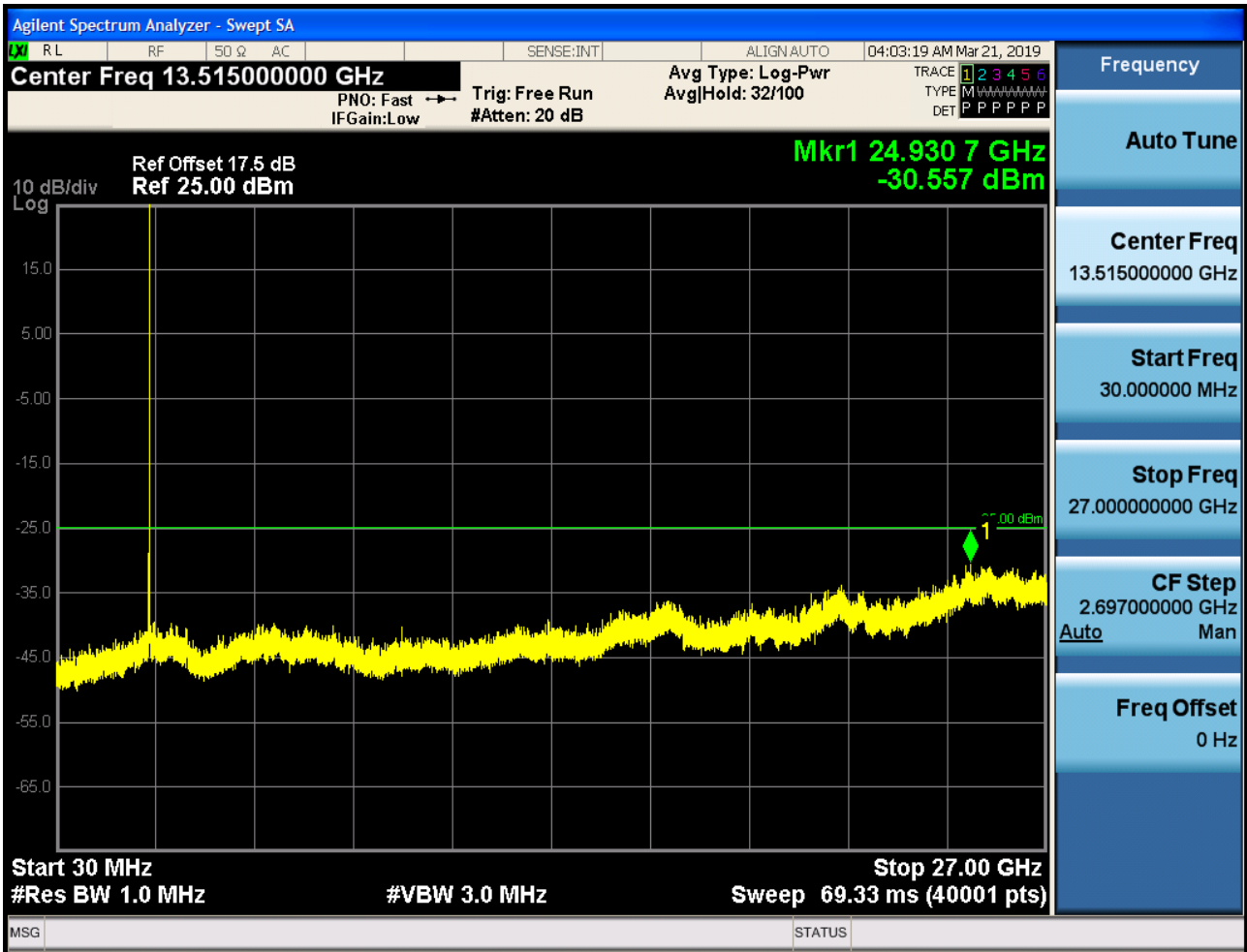


6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0



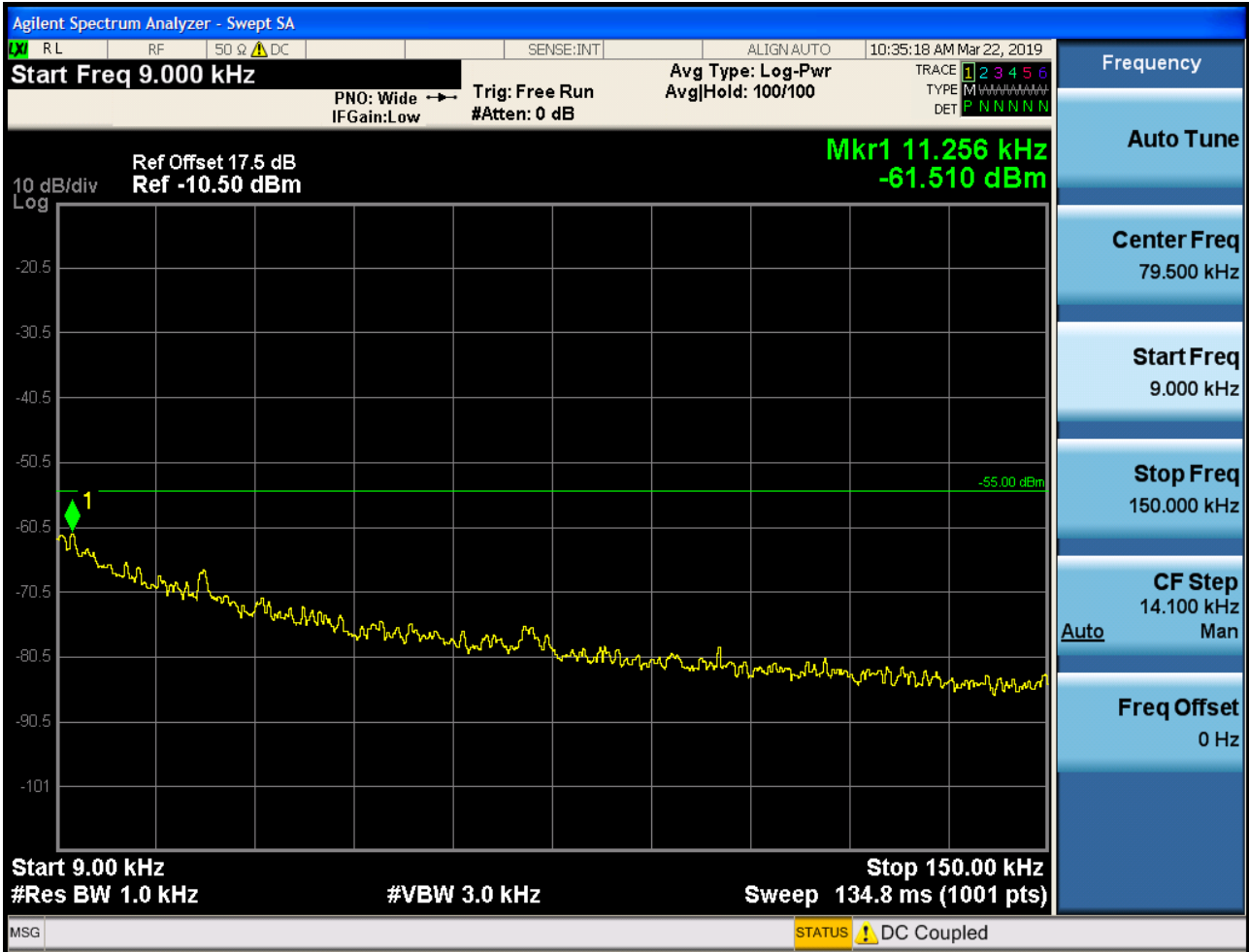


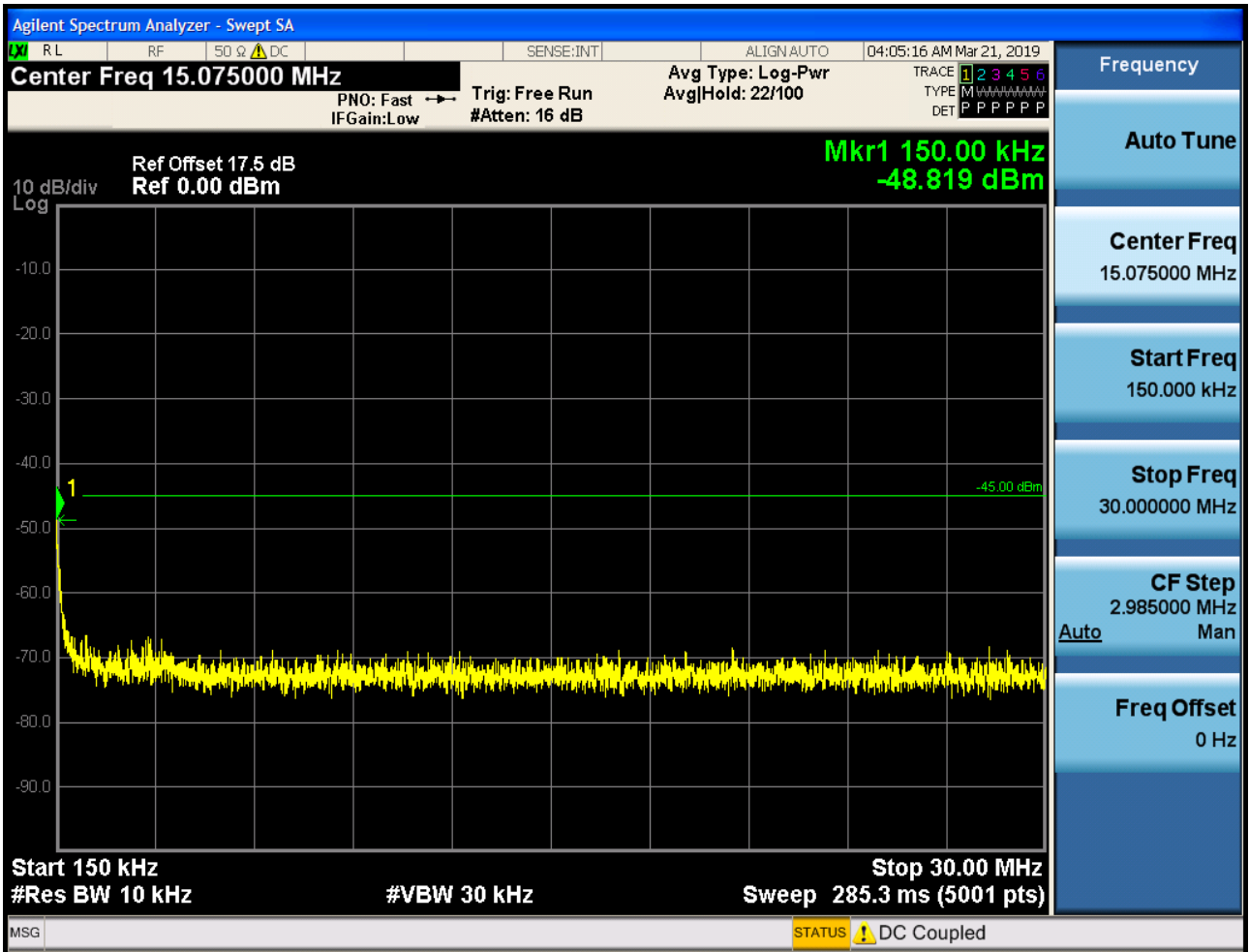


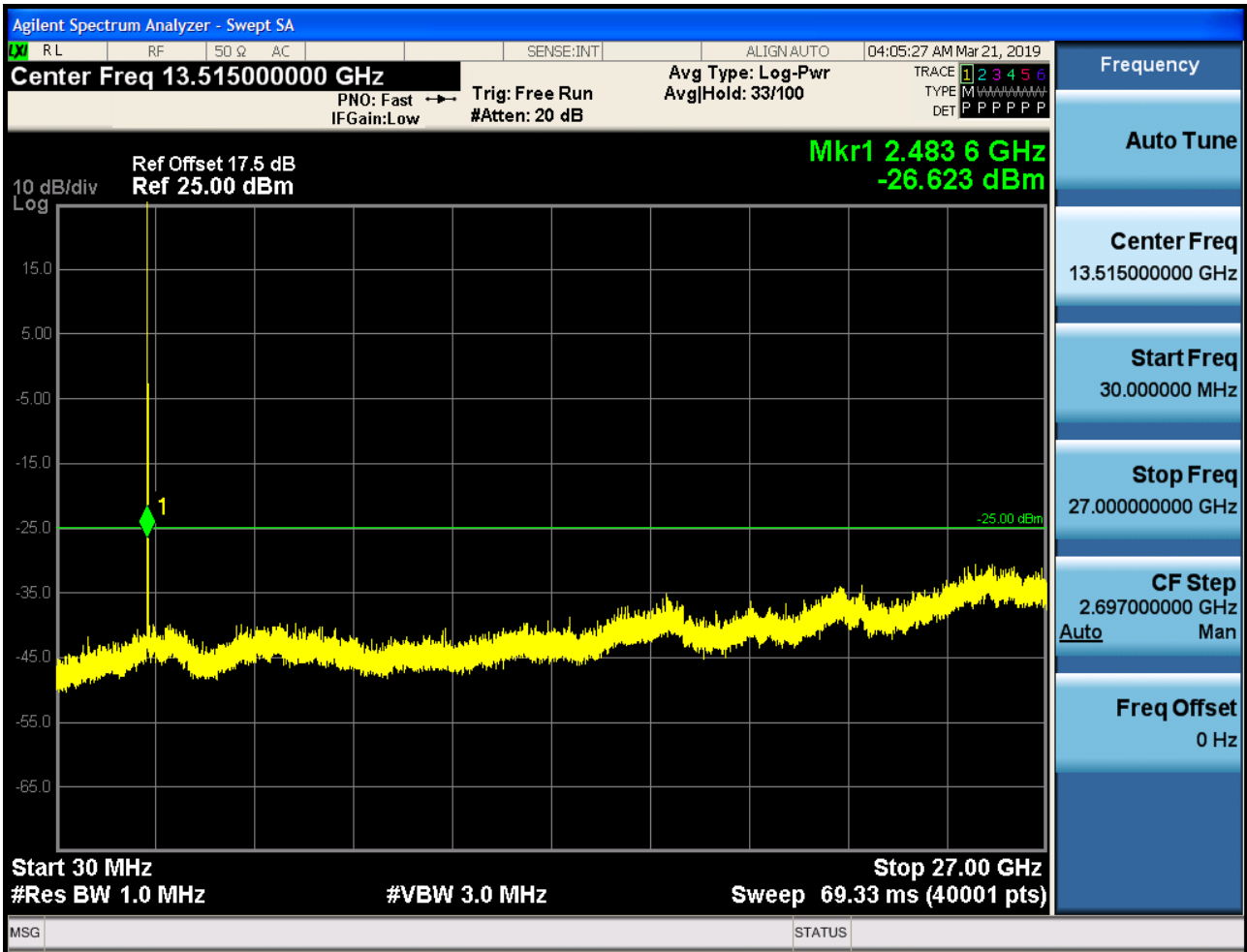
6.2.1.2.4 Test Bandwidth = 20

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

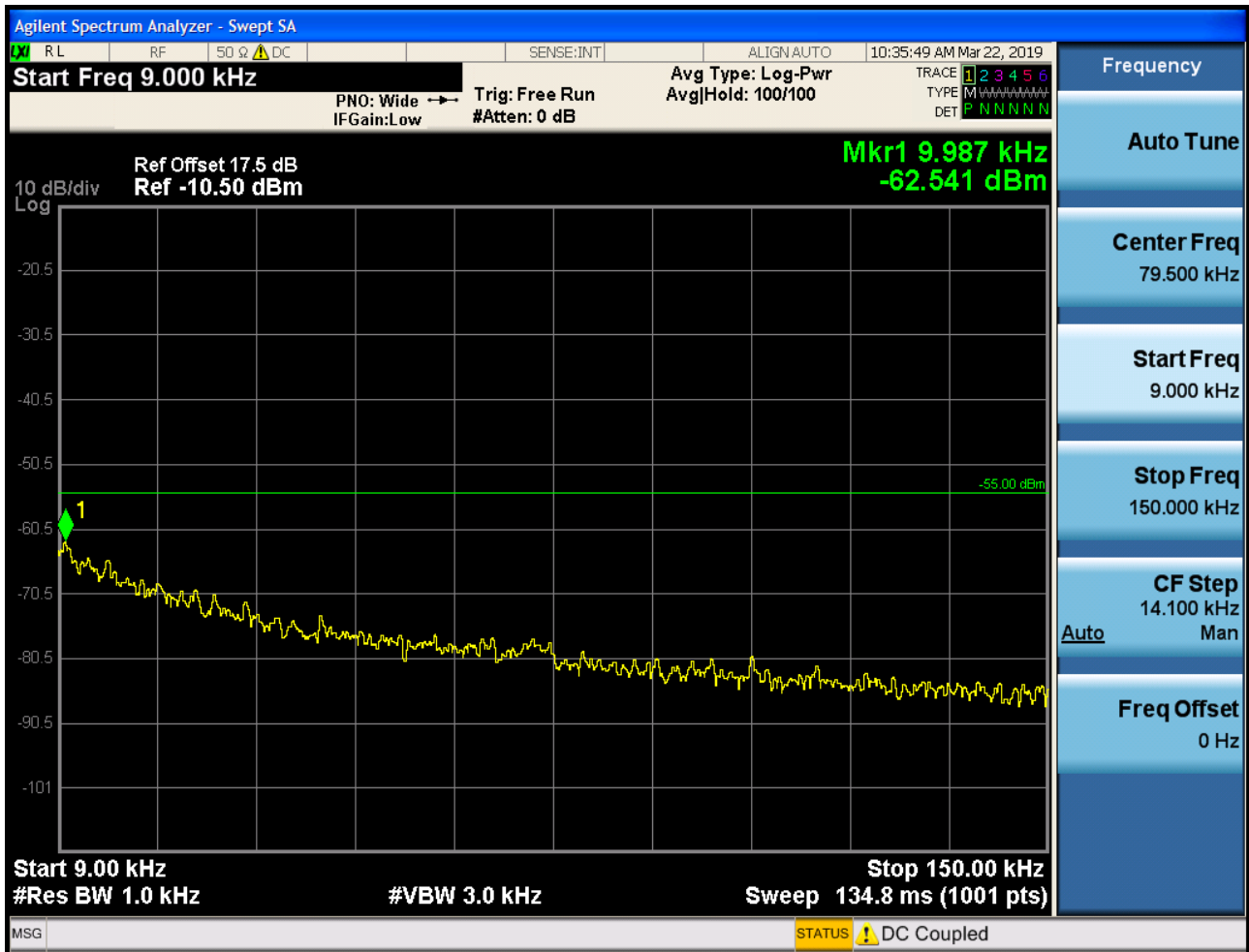


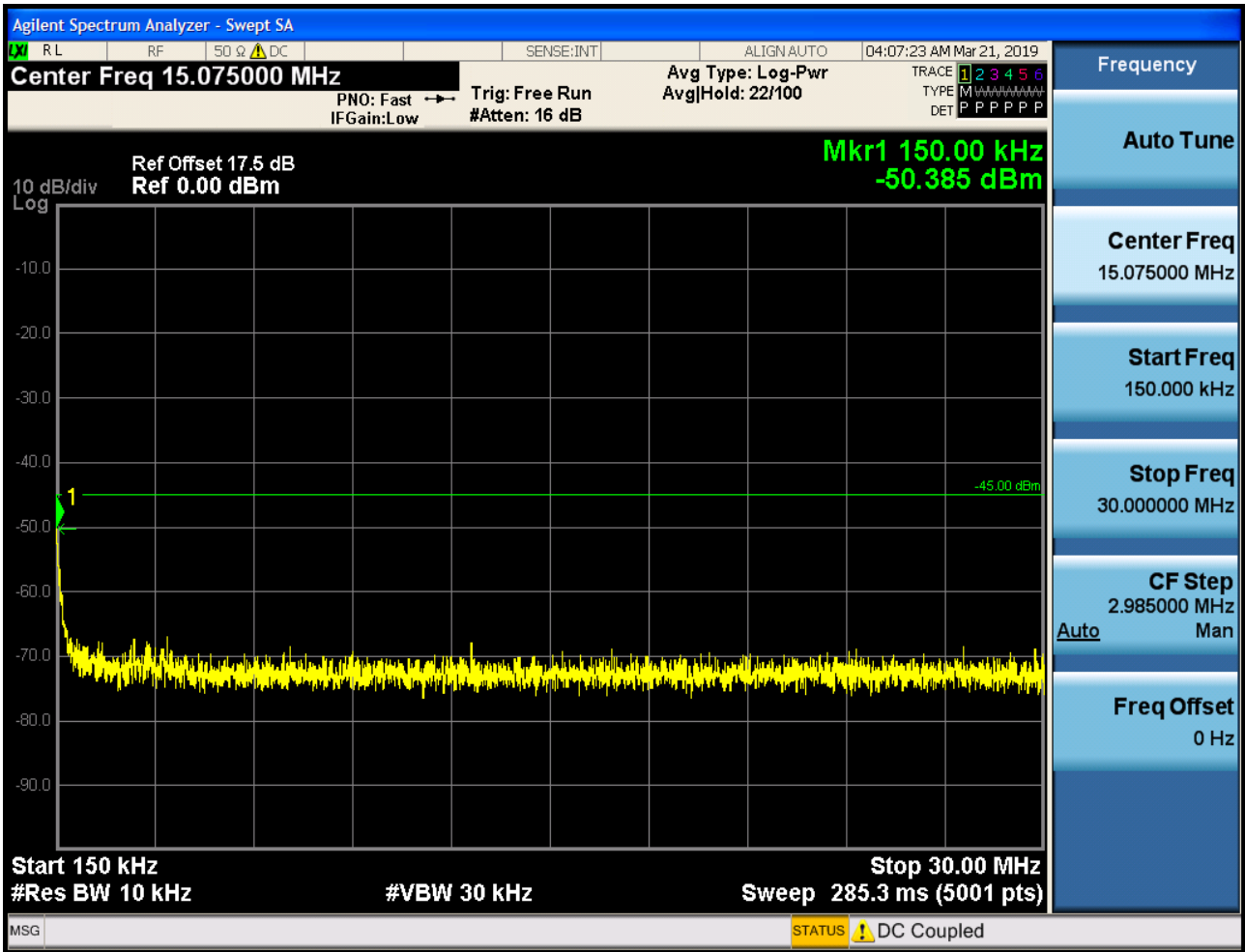


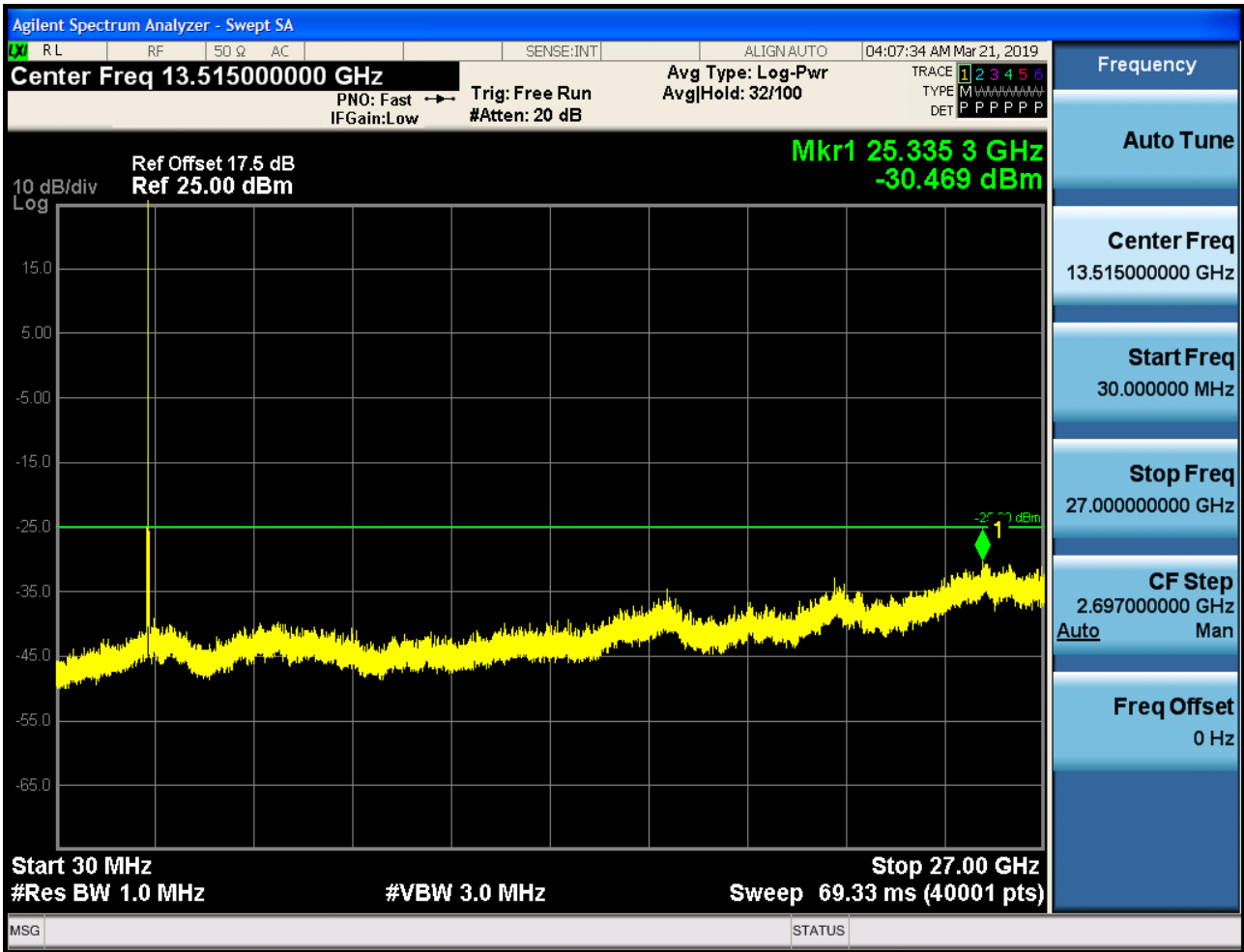


6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0

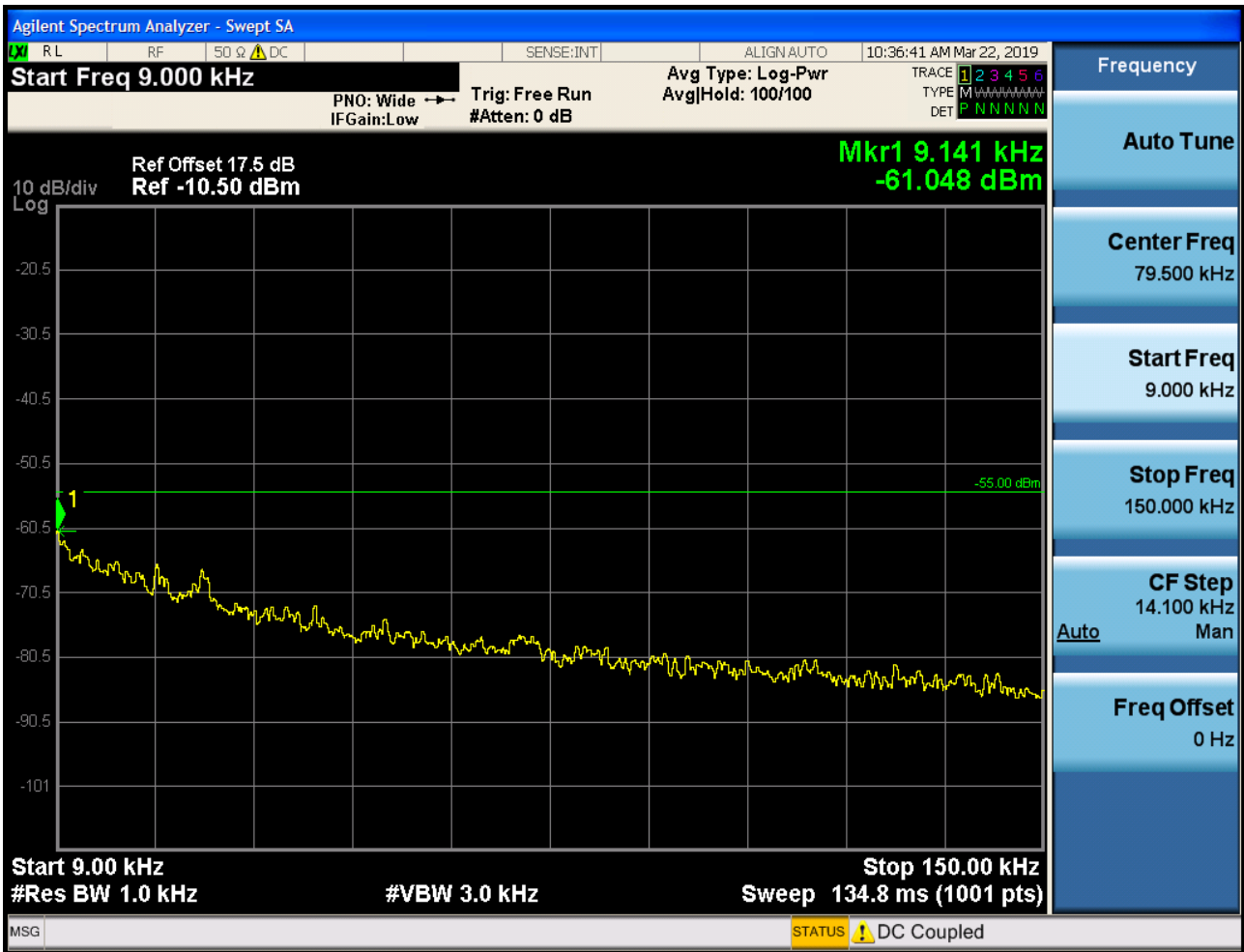


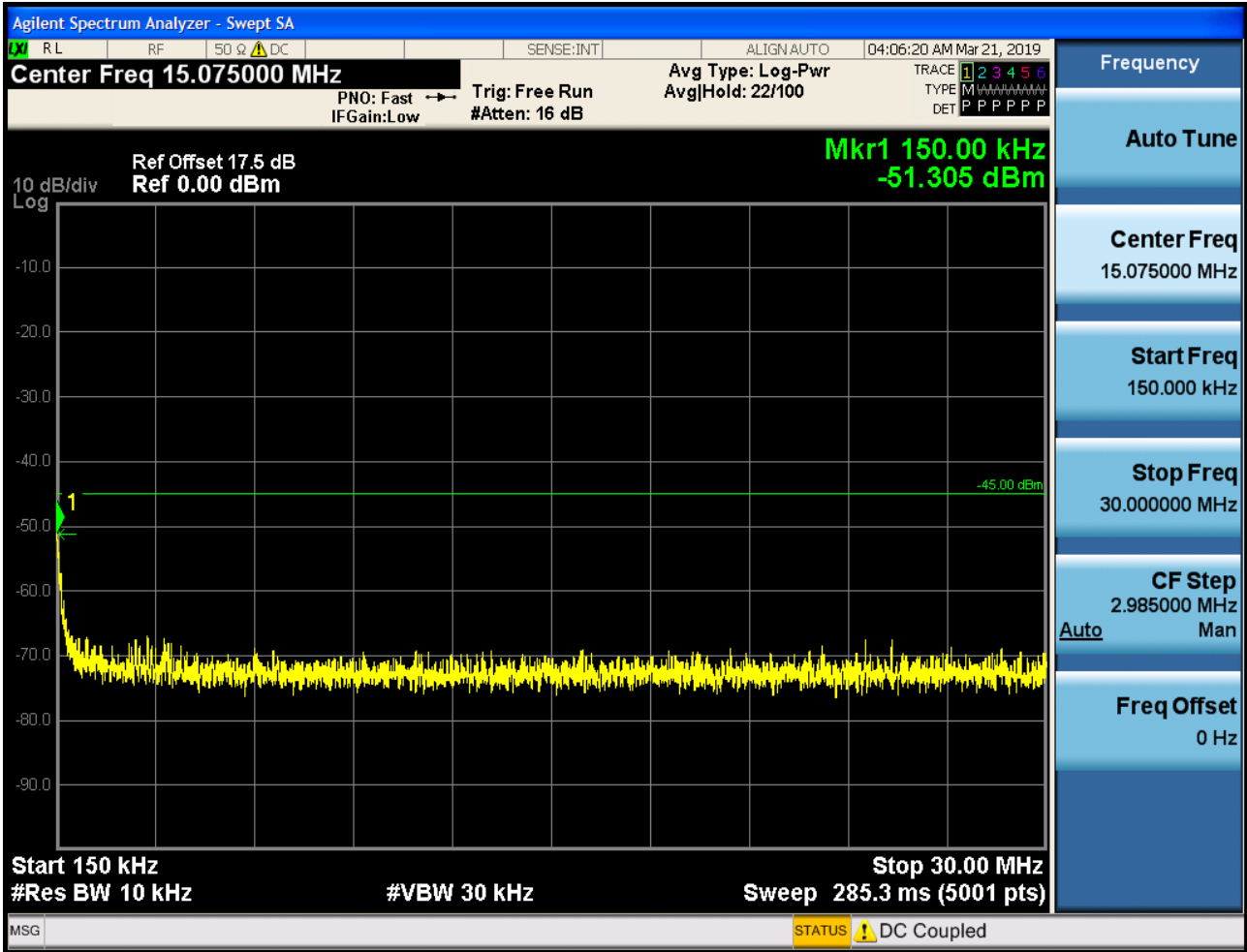


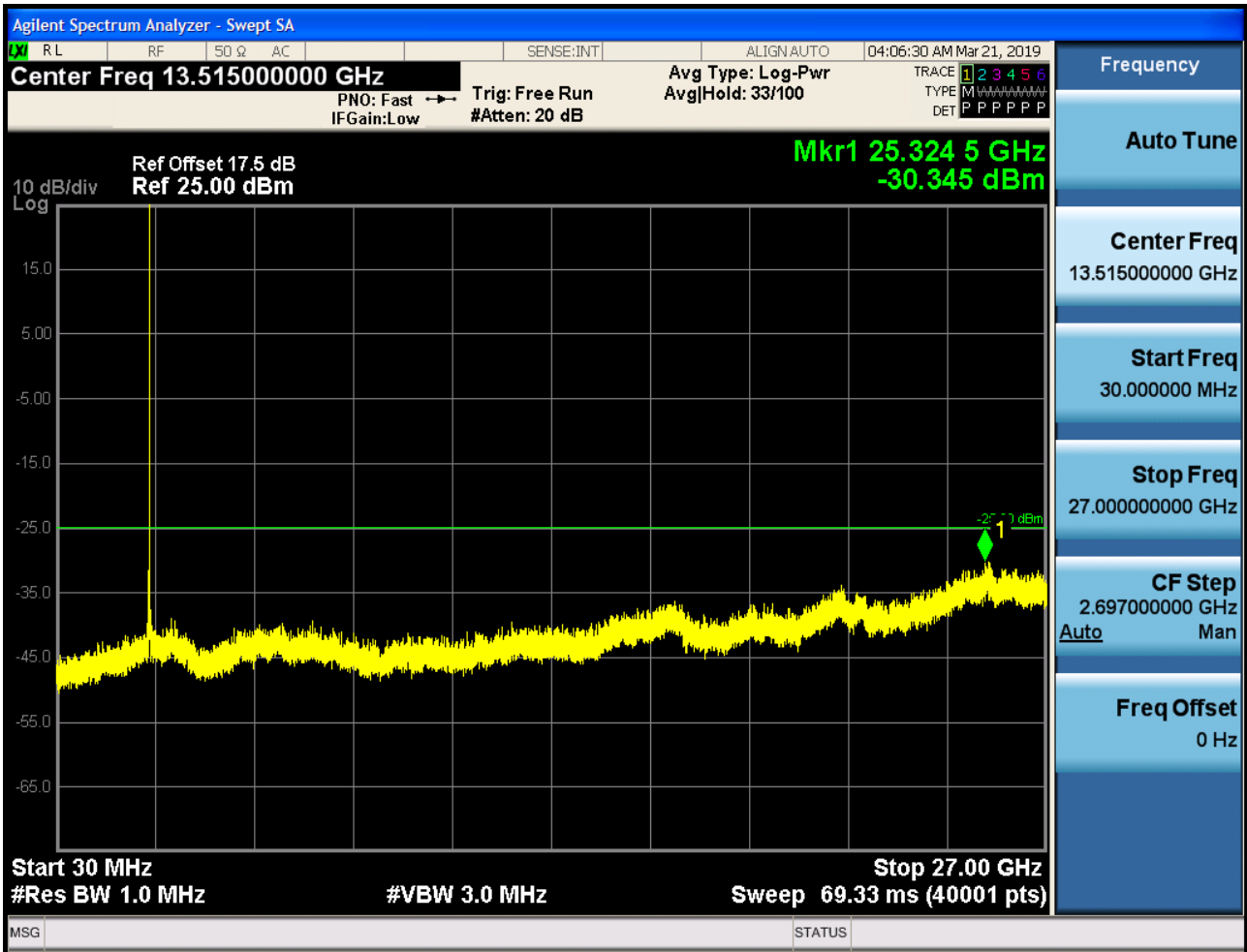


6.2.1.2.4.3 Test Channel = HCH

6.2.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note:We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

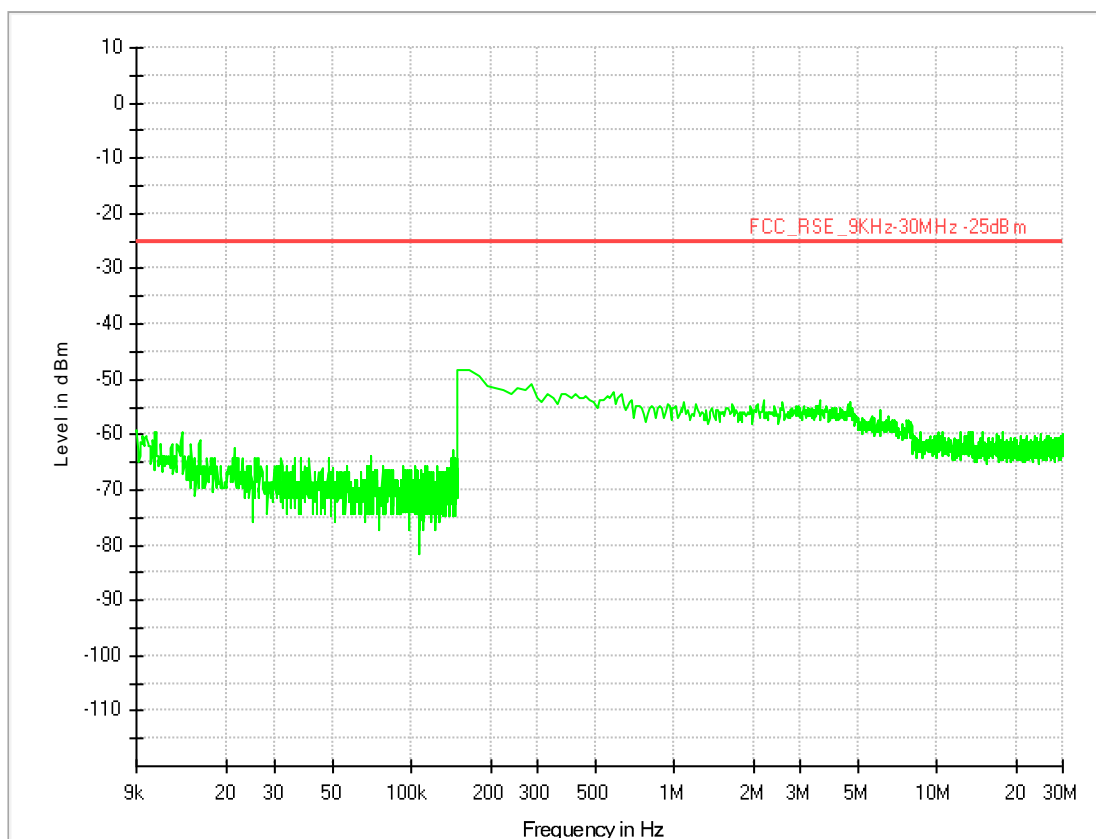
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

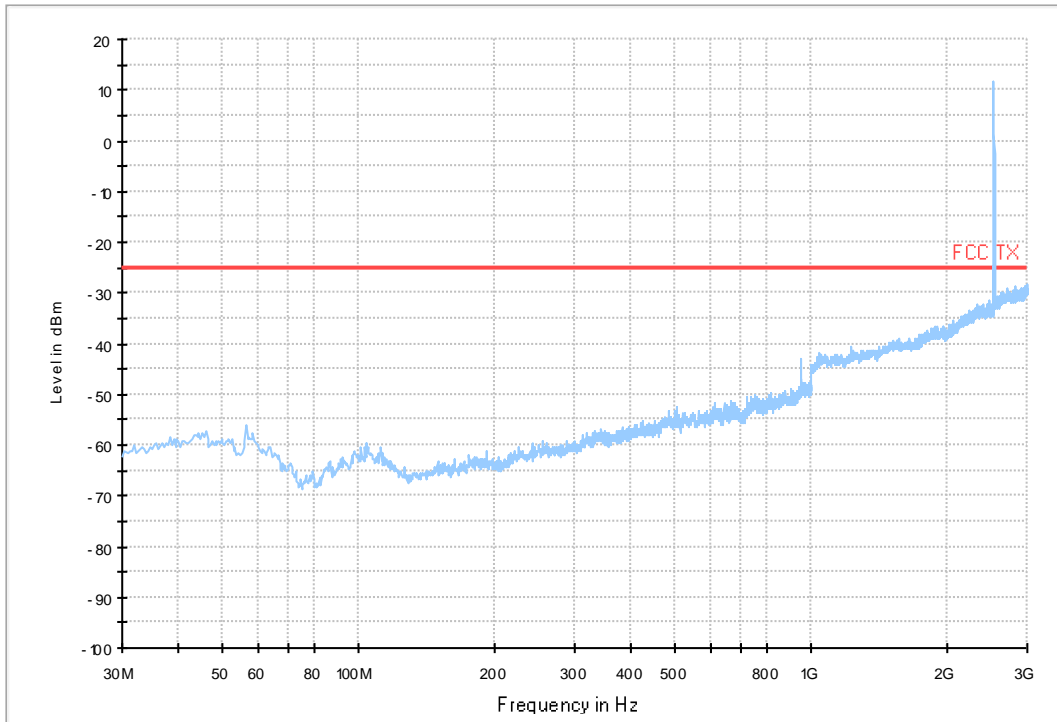
7.1 For LTE

7.1.1 Test Band = Band7_ANT1

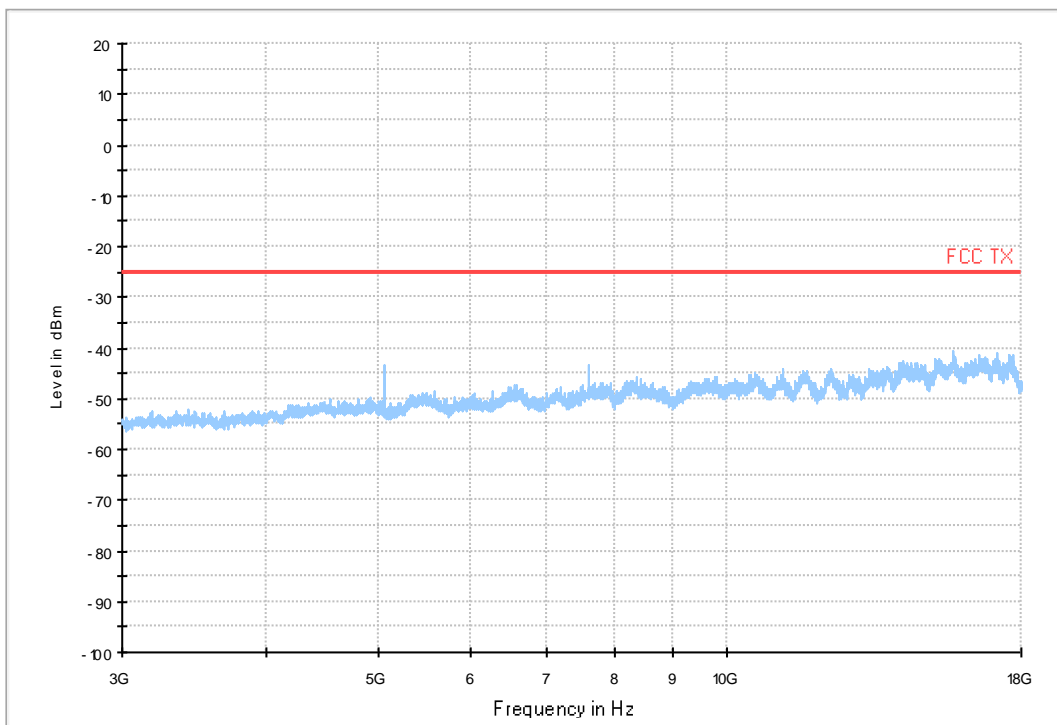
7.1.1.1 Test Bandwidth = 5



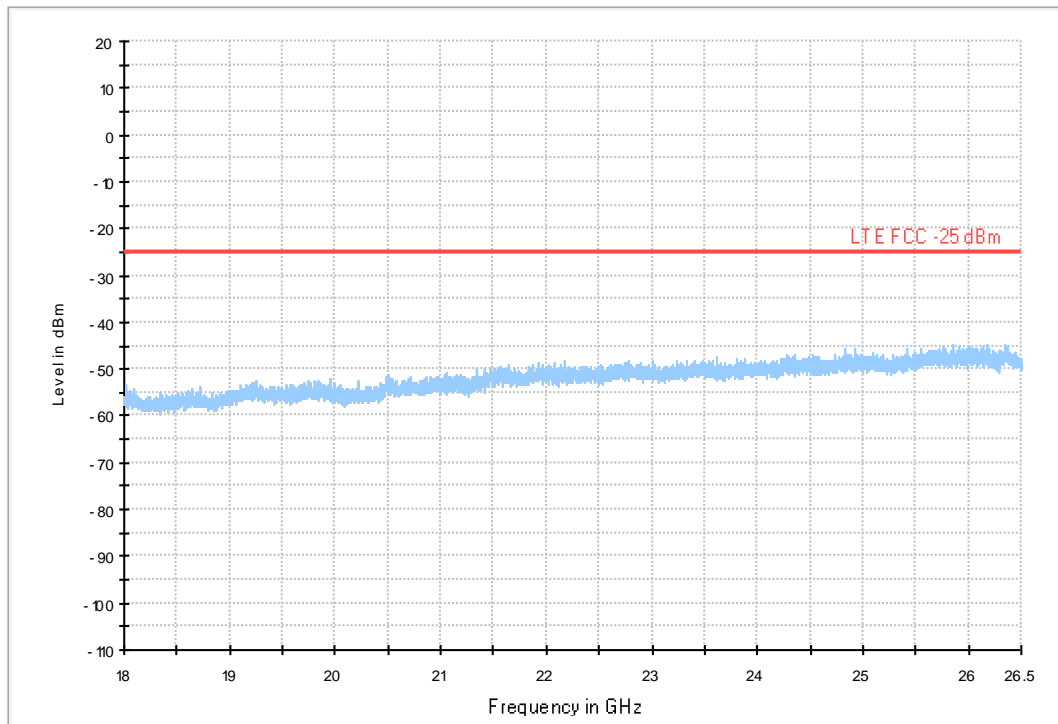
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



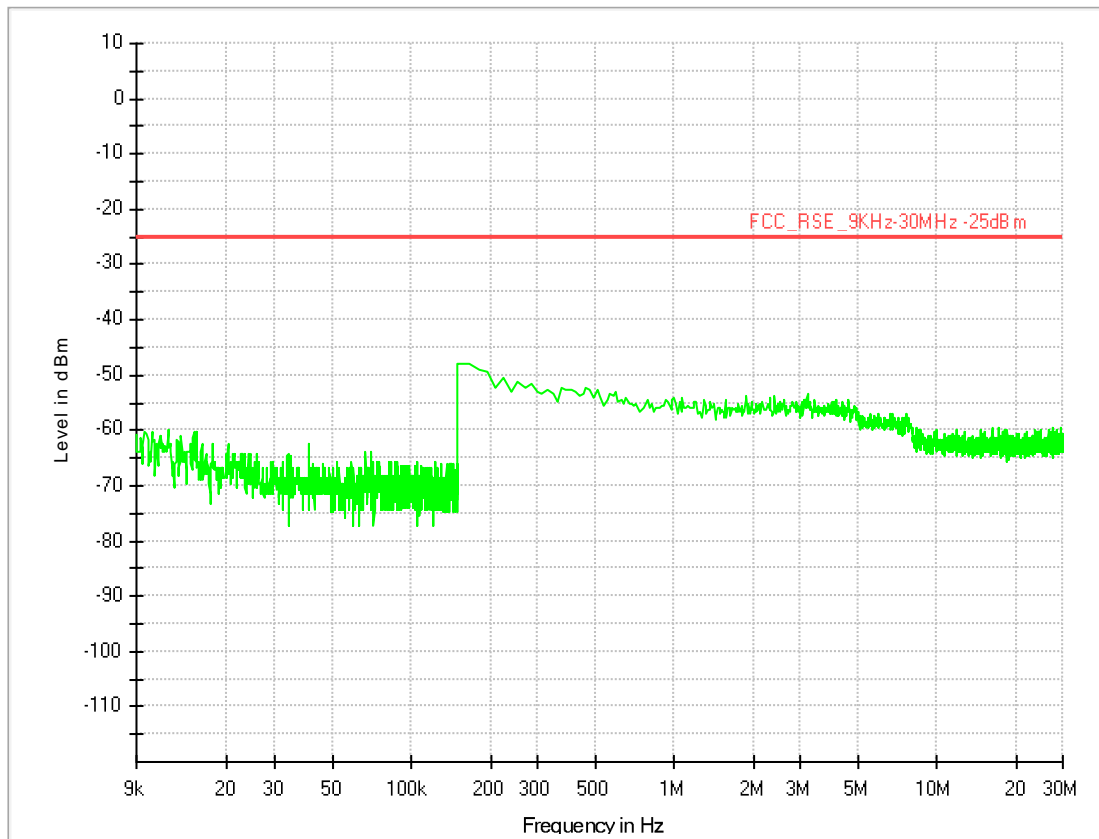
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



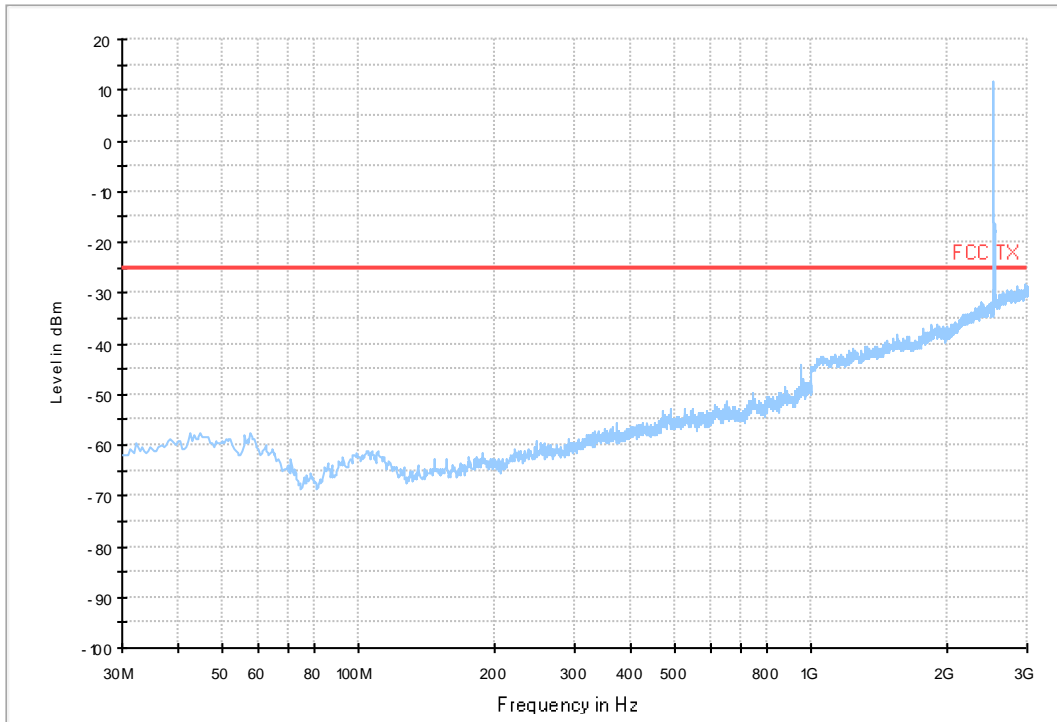
FCC 18-26.5G -25dBm



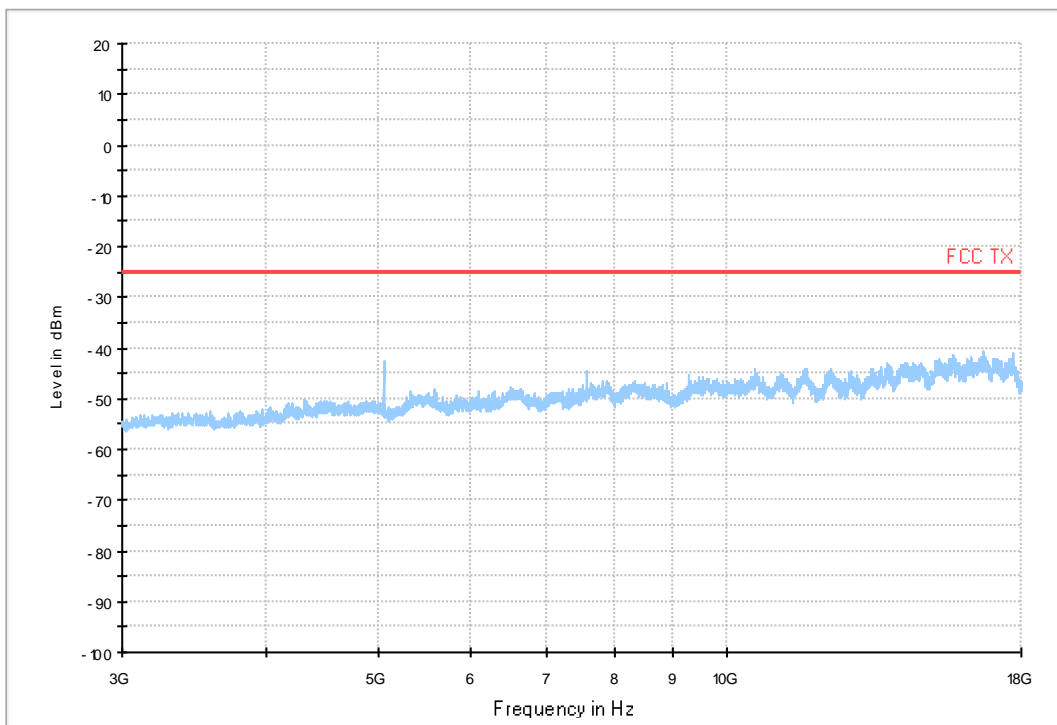
7.1.1.2 Test Bandwidth = 20



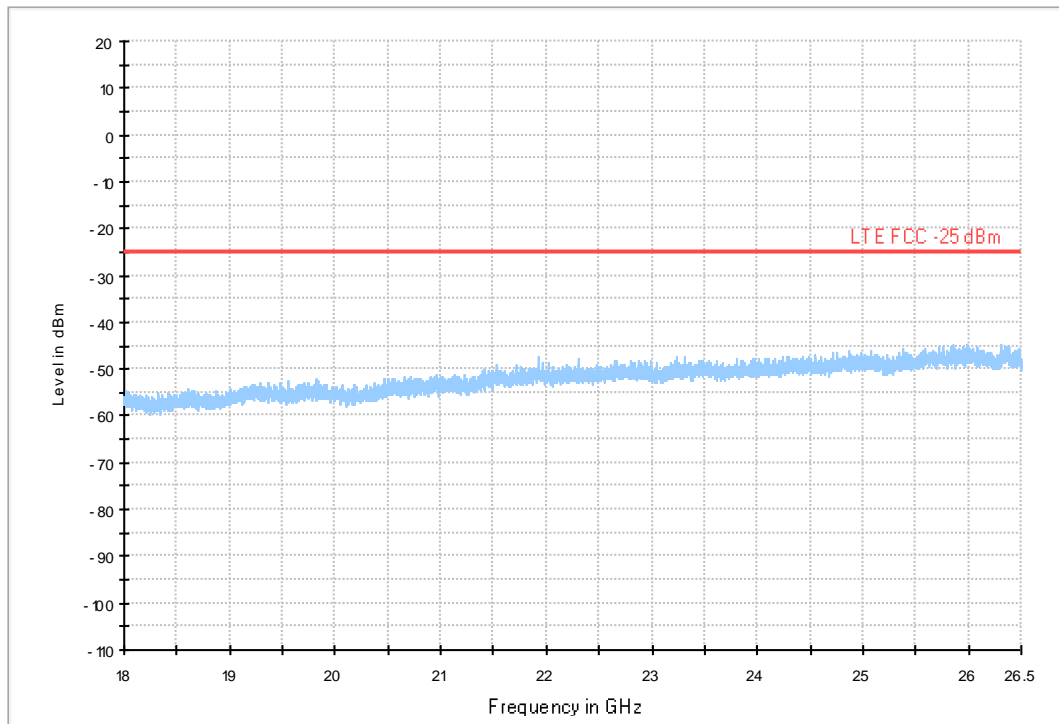
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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

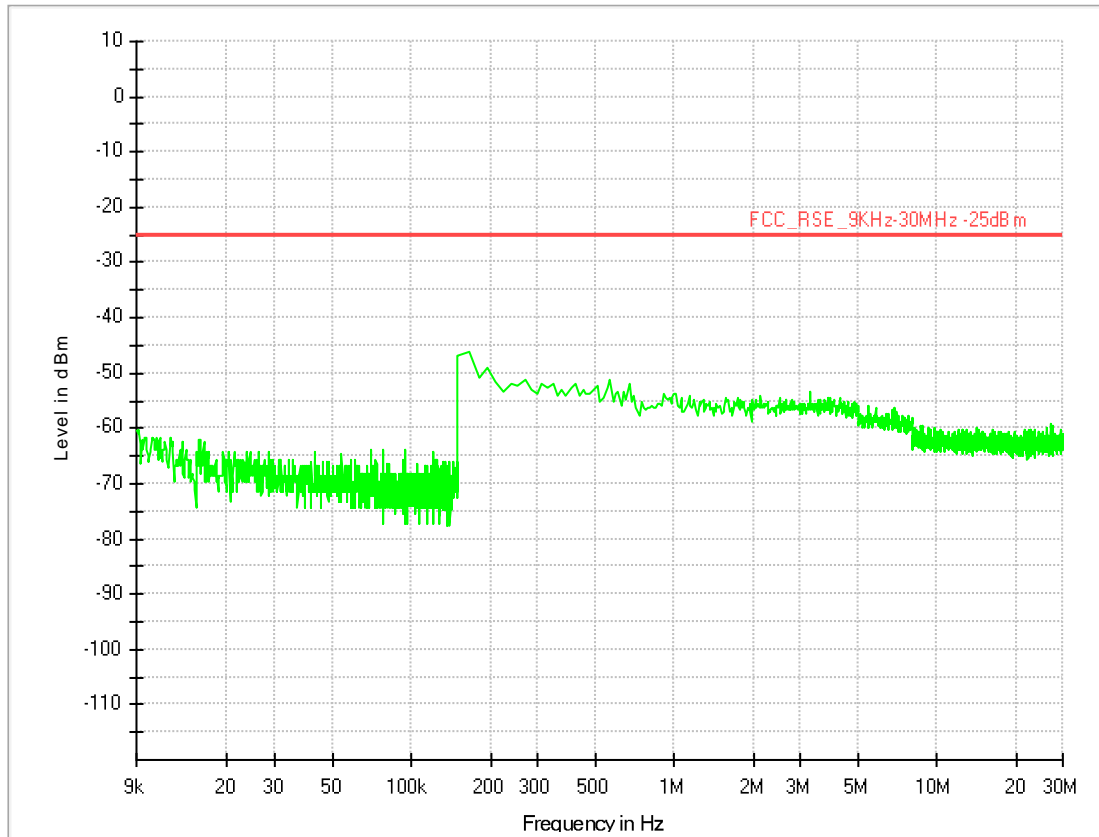


FCC 18-26.5G -25dBm

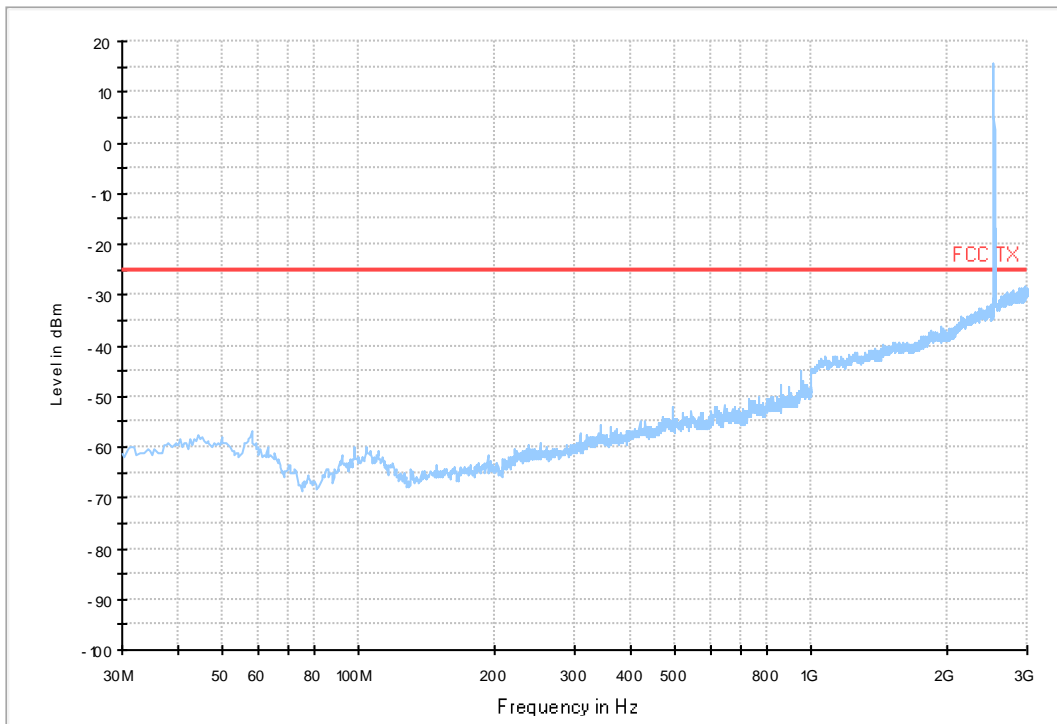


7.1.2 Test Band = Band7_ANT2

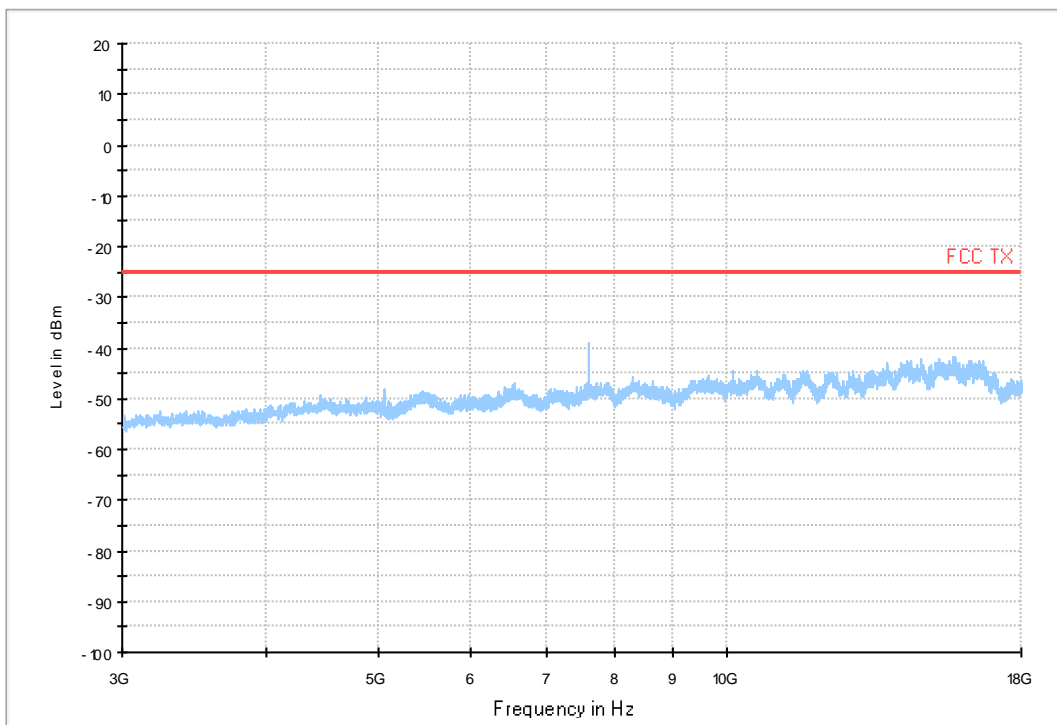
7.1.2.1 Test Bandwidth = 5



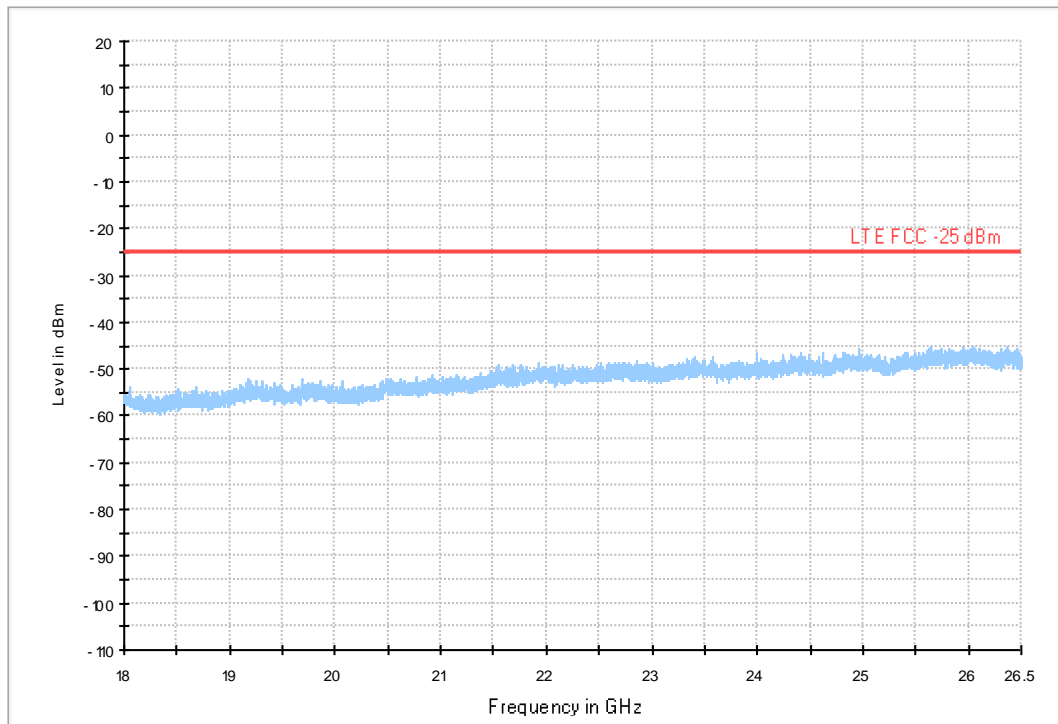
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



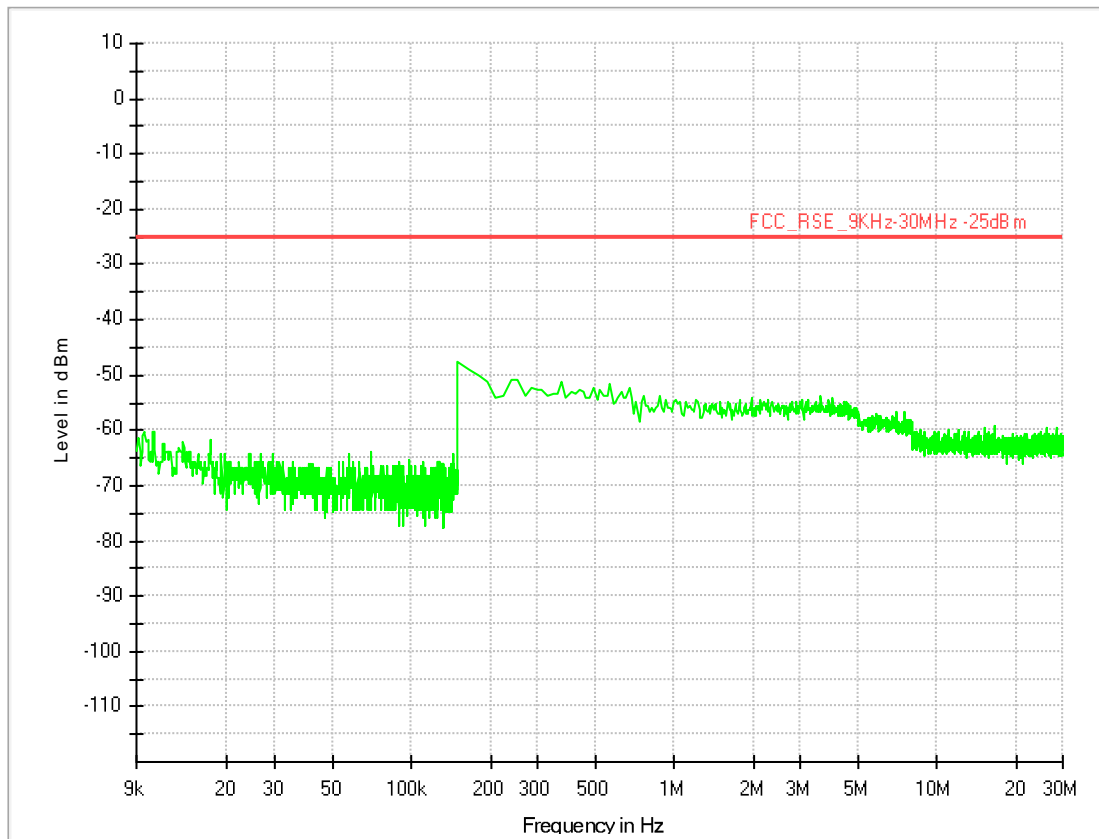
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



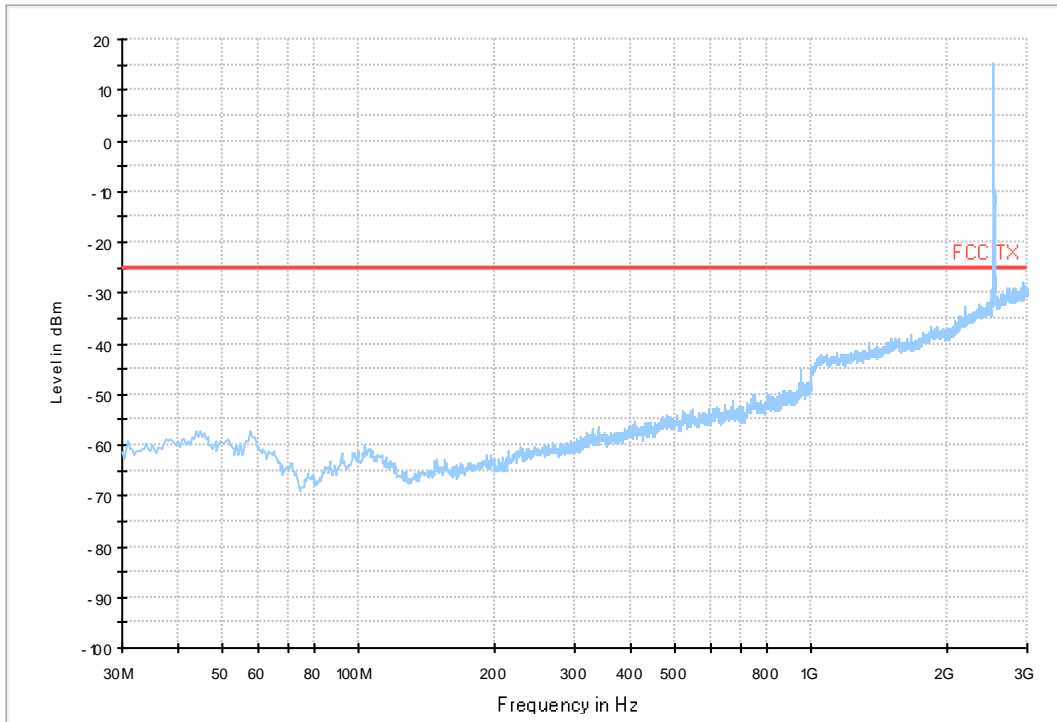
FCC 18-26.5G -25dBm



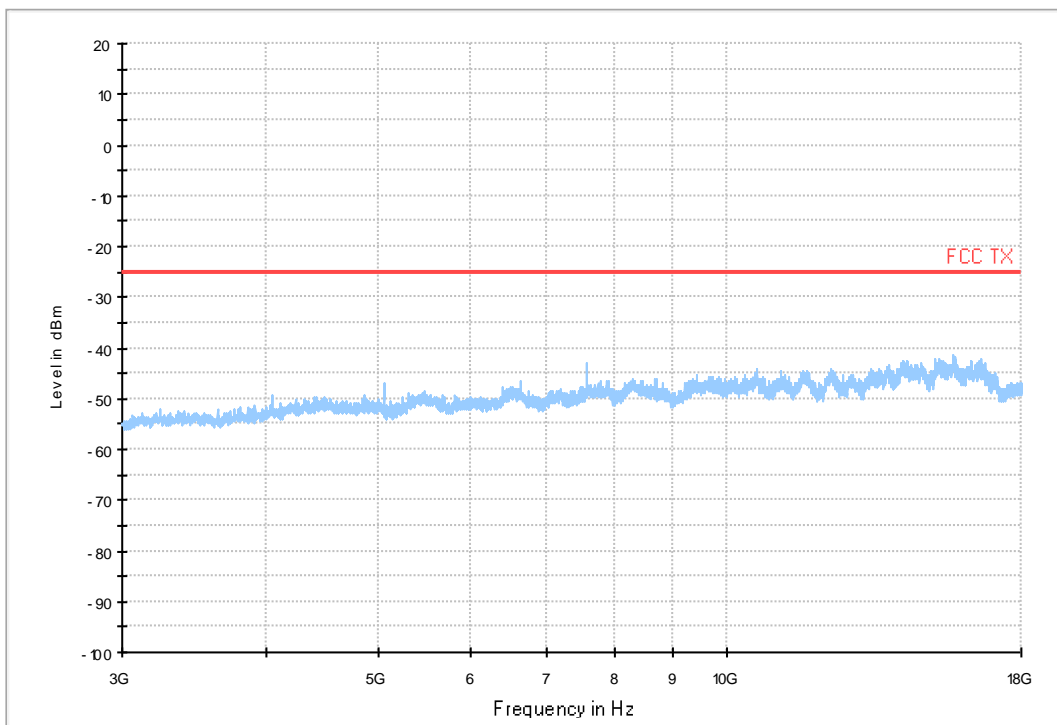
7.1.2.2 Test Bandwidth = 20



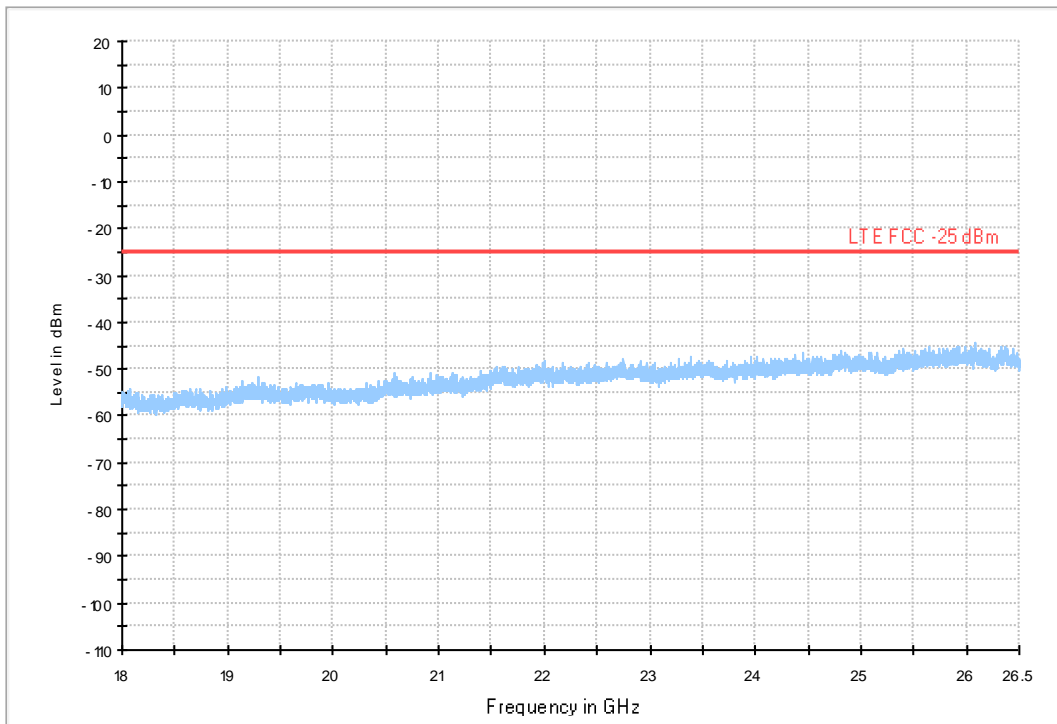
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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

8.1.1 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	-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	5	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		
			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
			-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	
			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				
			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
		10			-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
			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
			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	
		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
		-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
		HCH	VN	30	-0.38624	-0.00015	PASS		
				40	-0.45776	-0.00018	PASS		
				50	-5.66483	-0.00223	PASS		
				-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		
					40	-14.60552	-0.00570	PASS		
					50	-10.18524	-0.00397	PASS		
		20	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			
		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