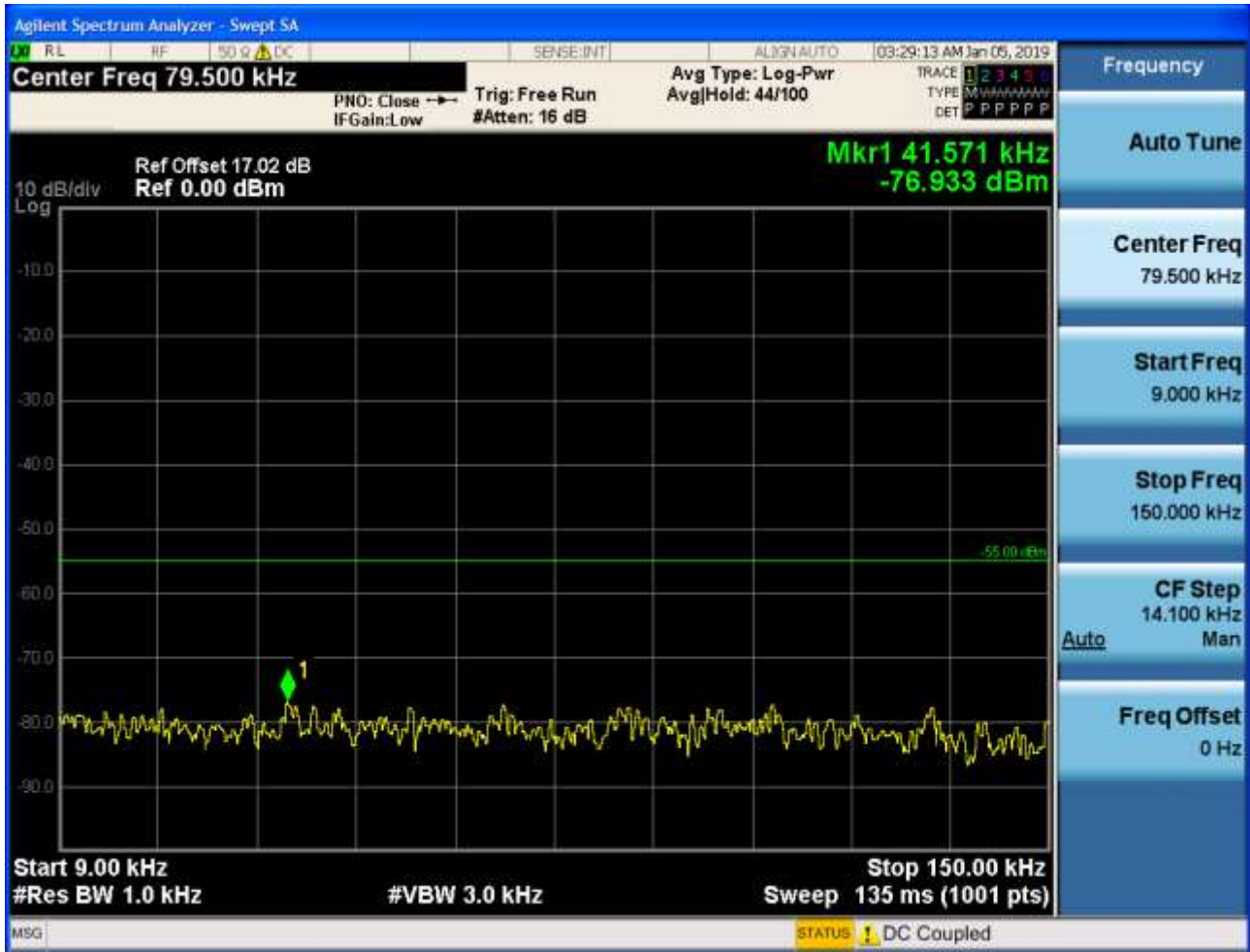
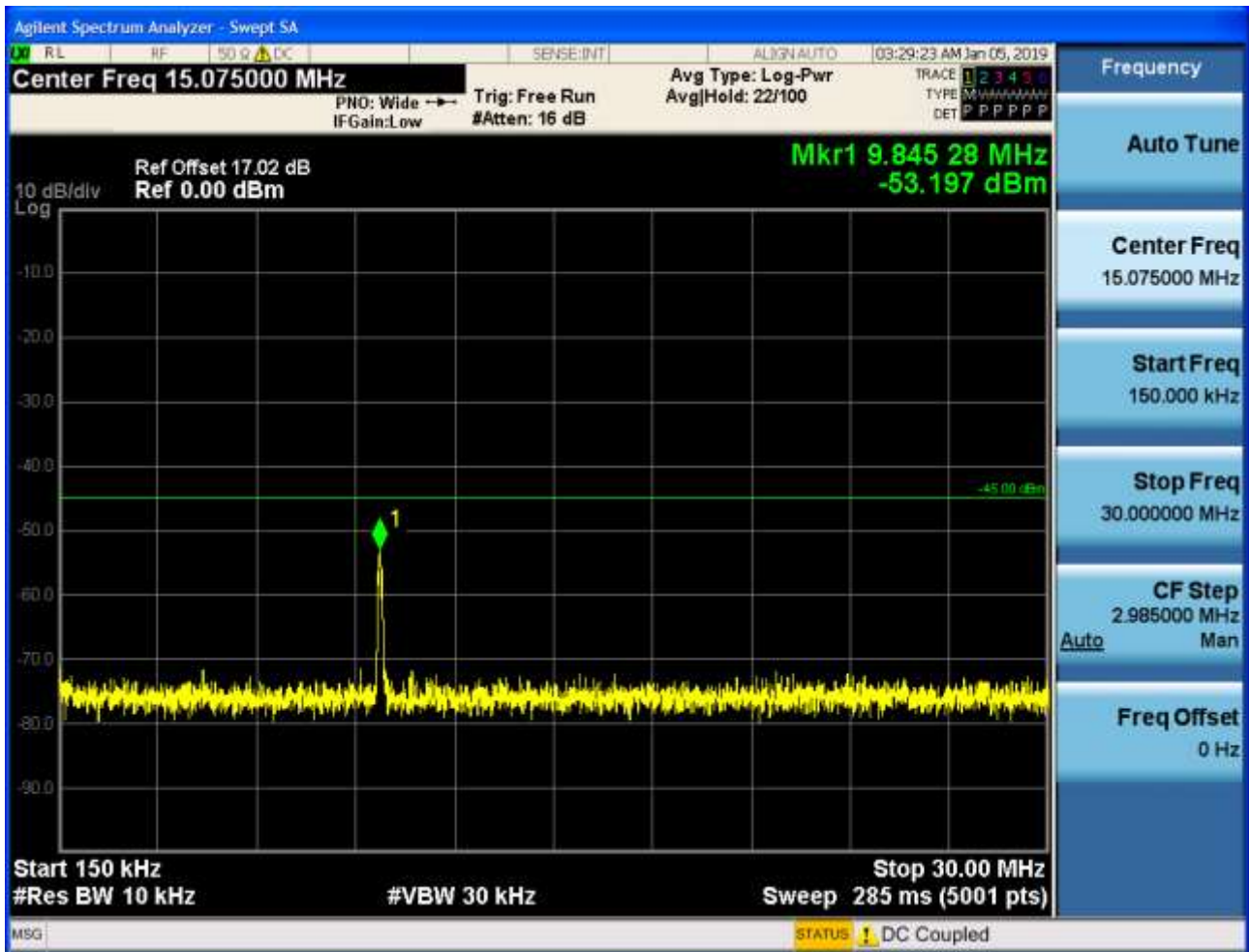


6.2.1.1.4 Test Bandwidth = 20

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0

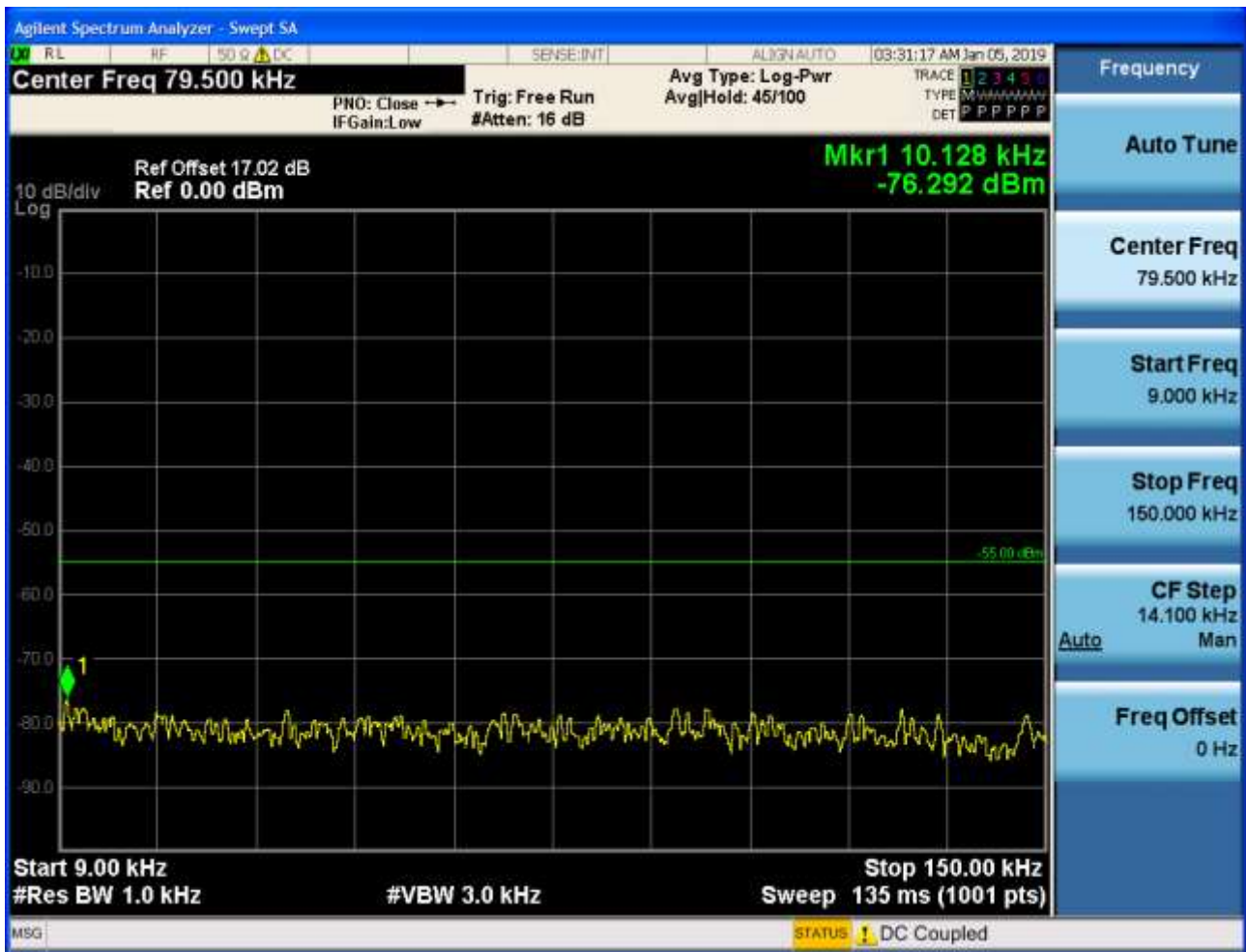






6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0

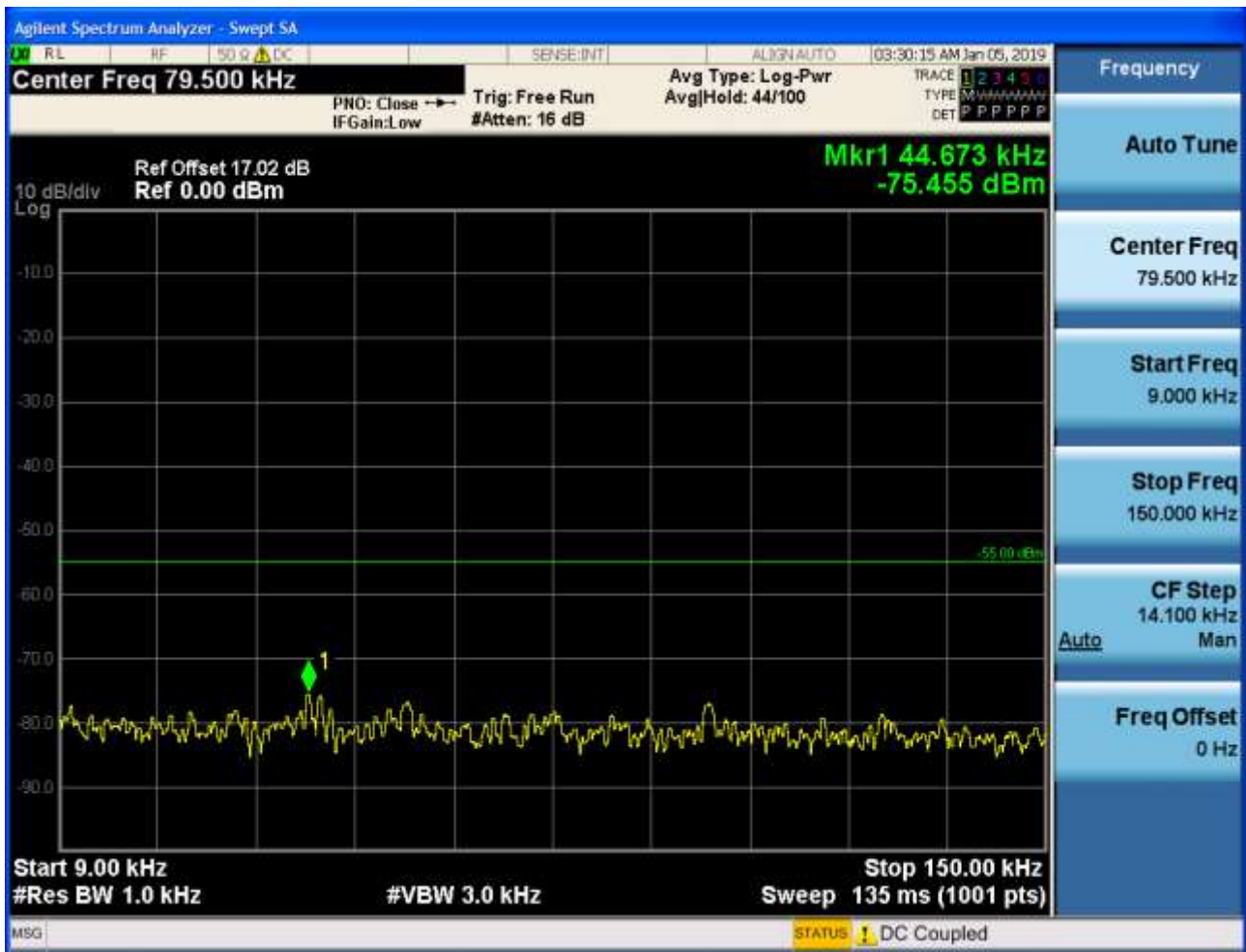


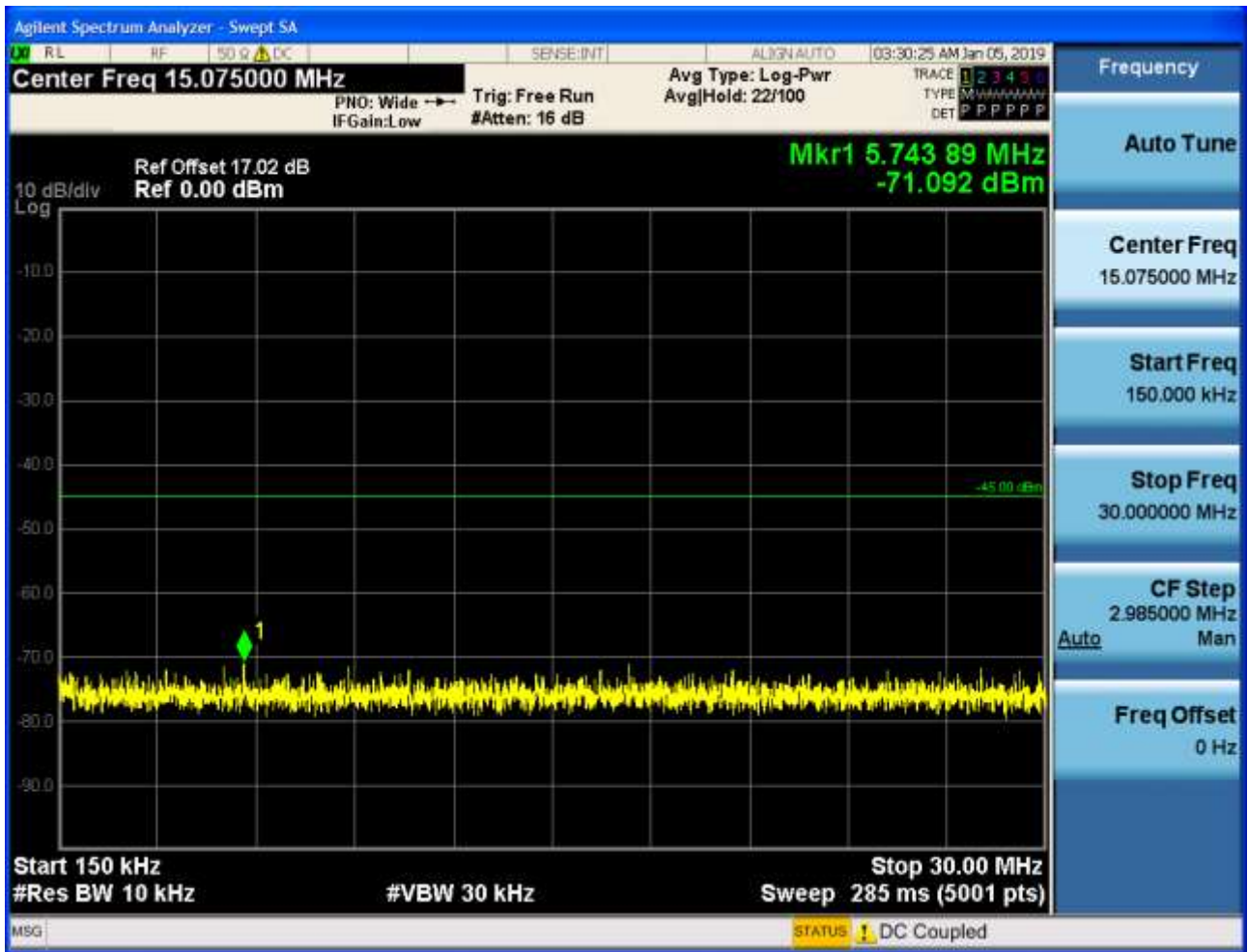




6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0





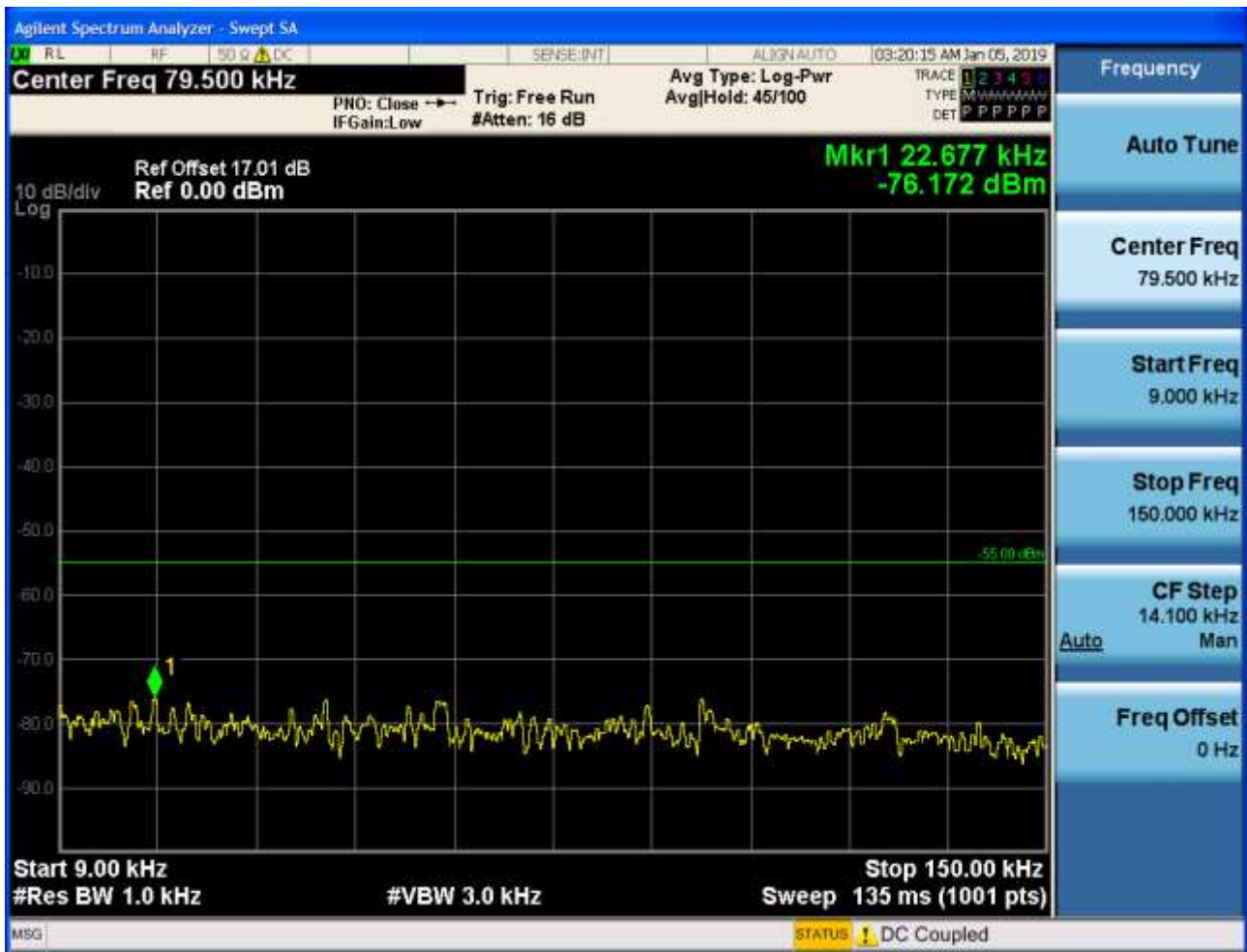


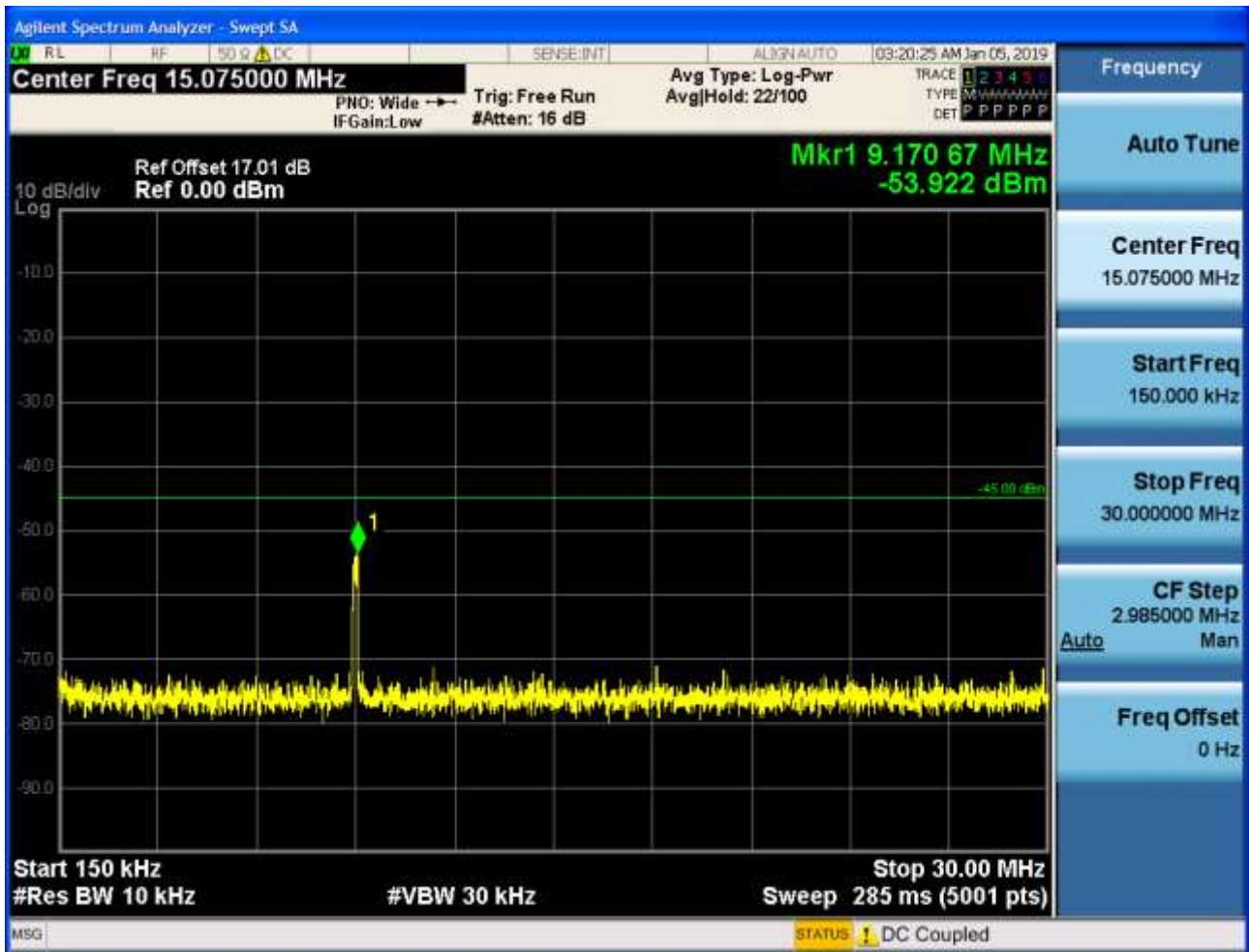
6.2.1.2 Test Mode = LTE/TM2

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



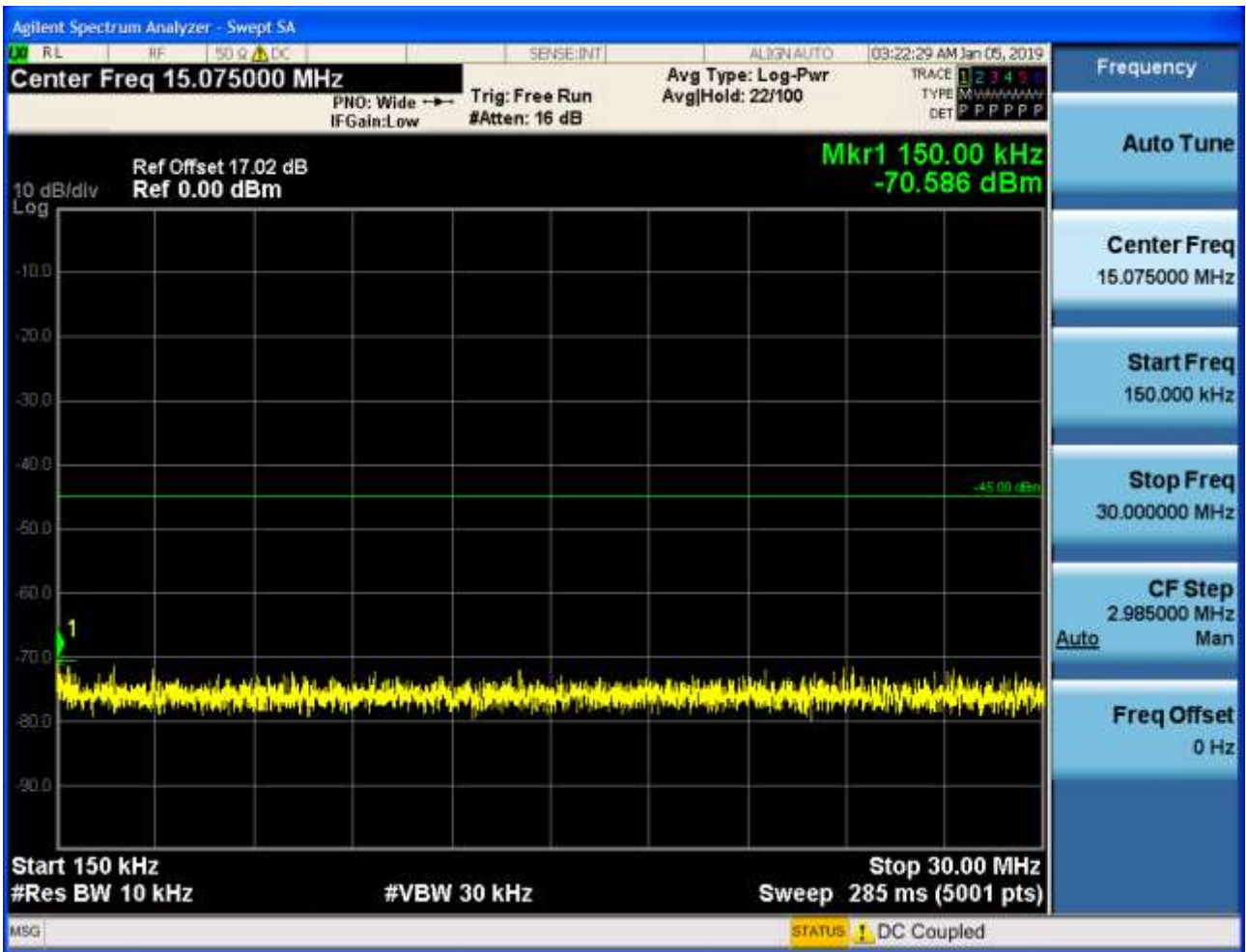




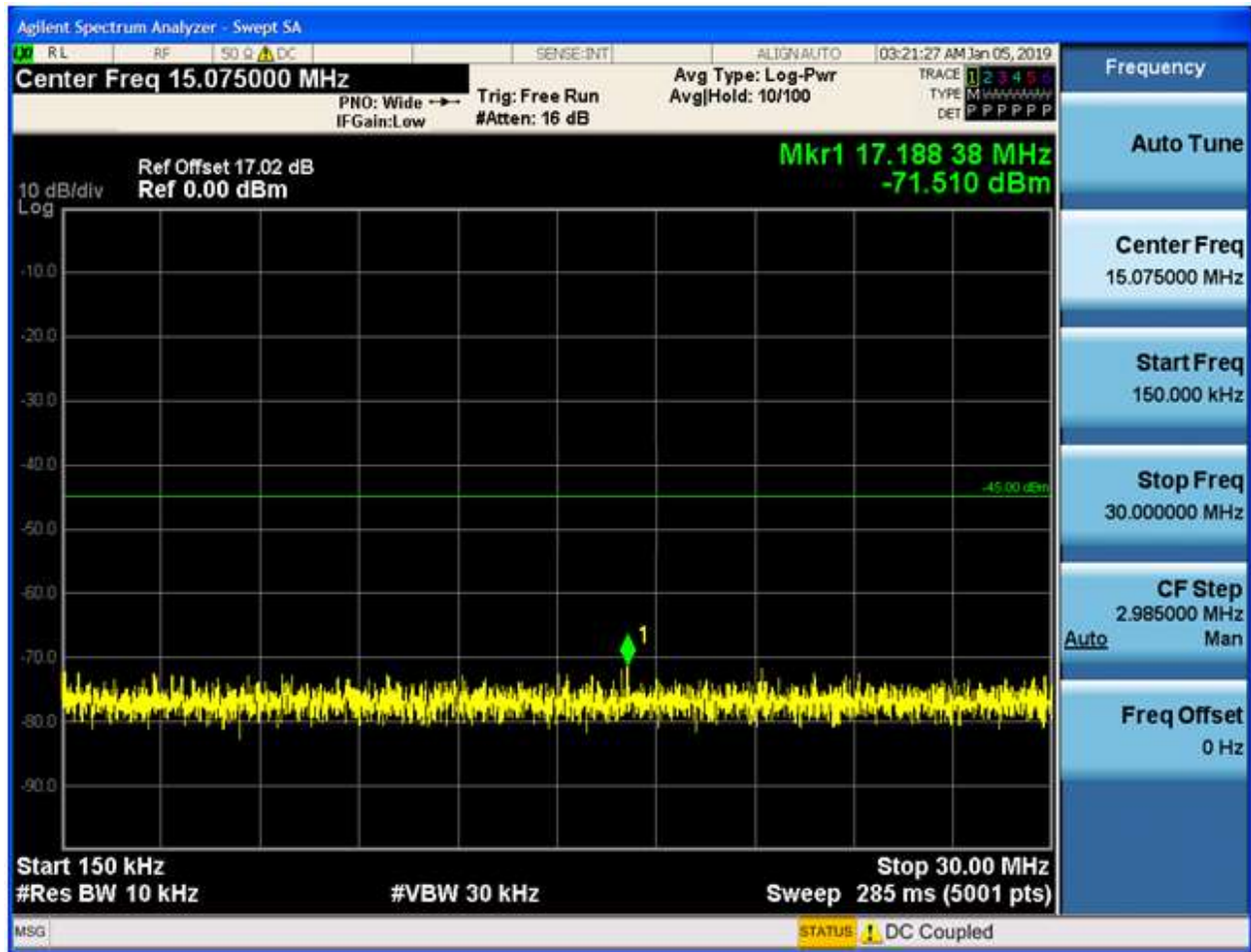
6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0







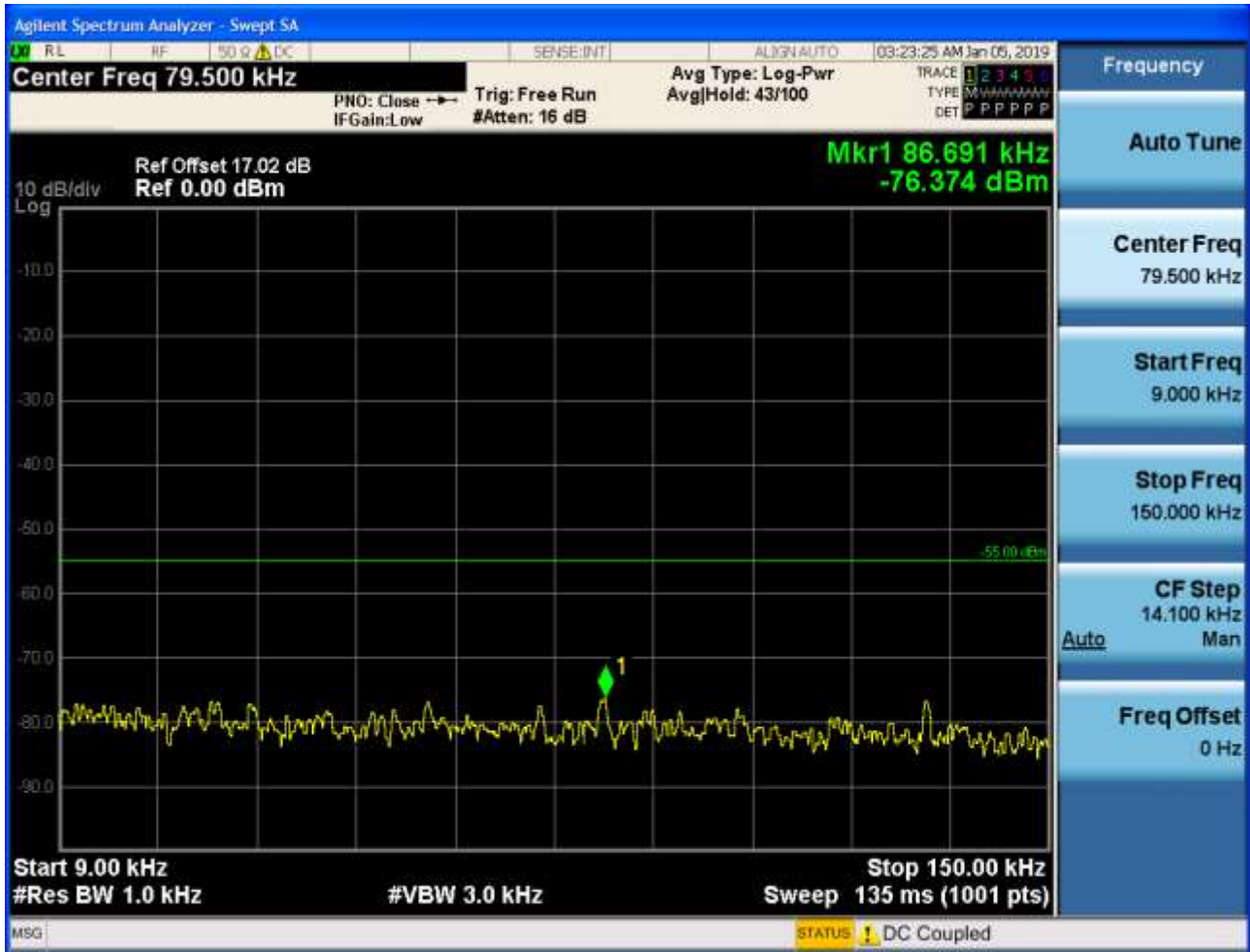


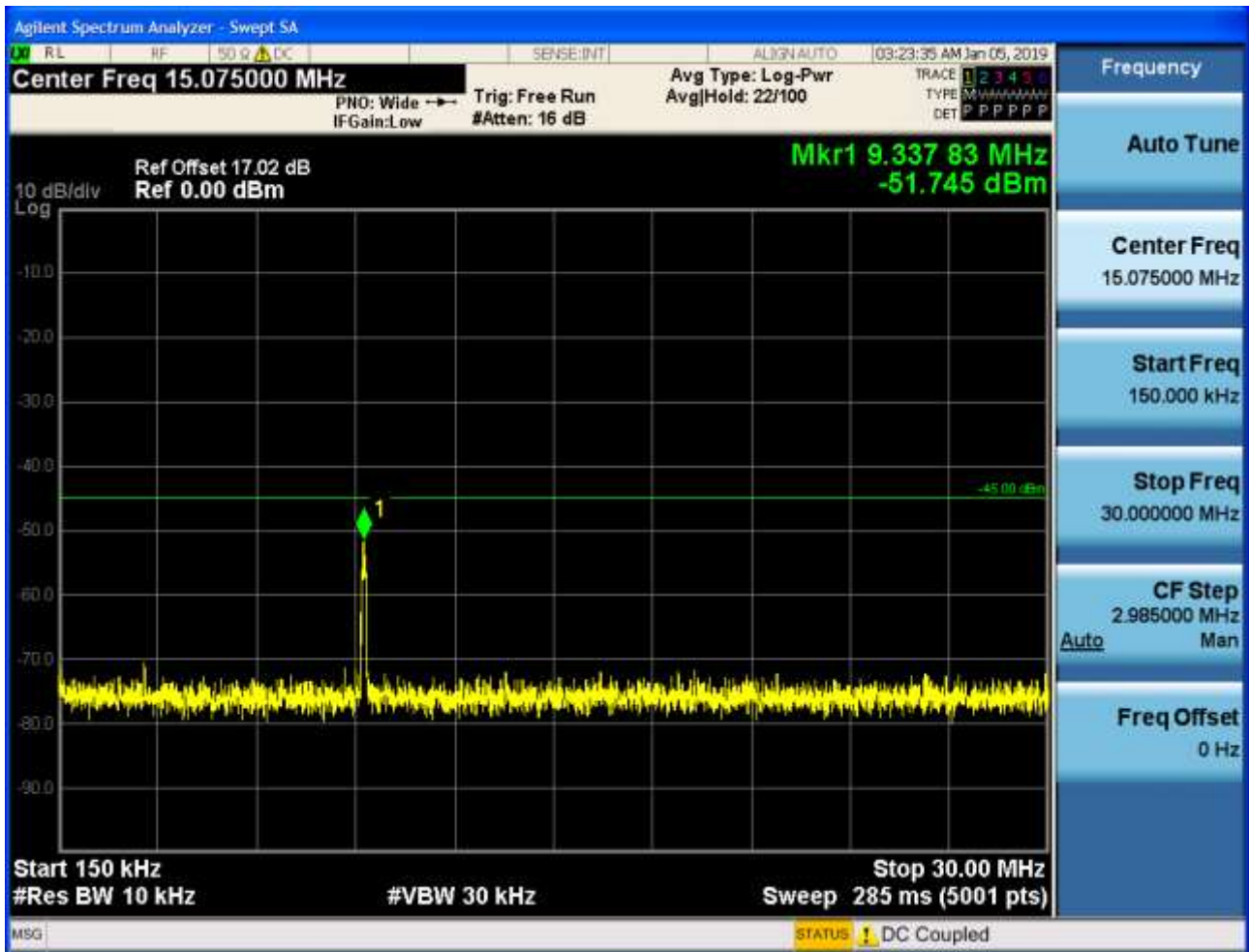


6.2.1.2.2 Test Bandwidth = 10

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0

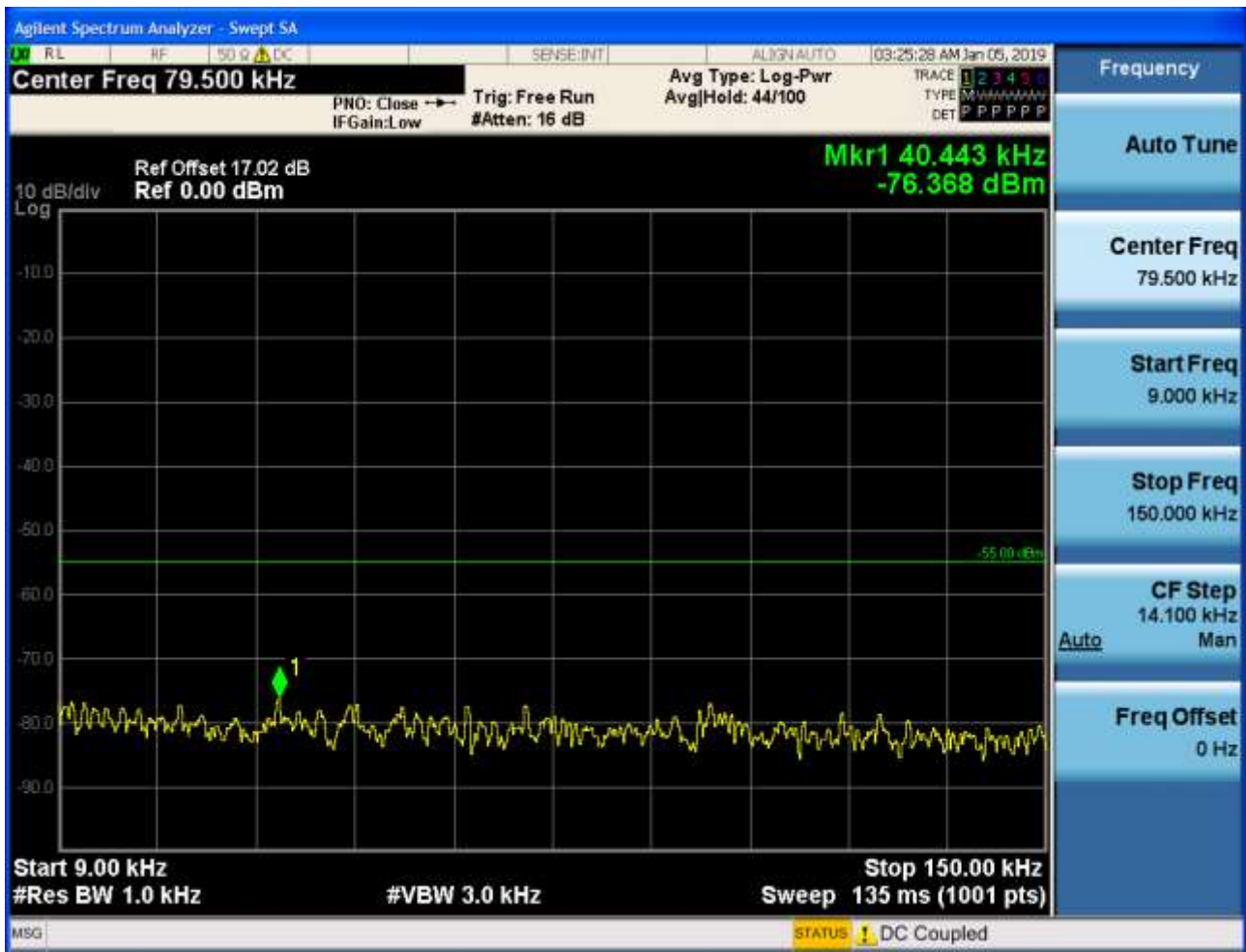


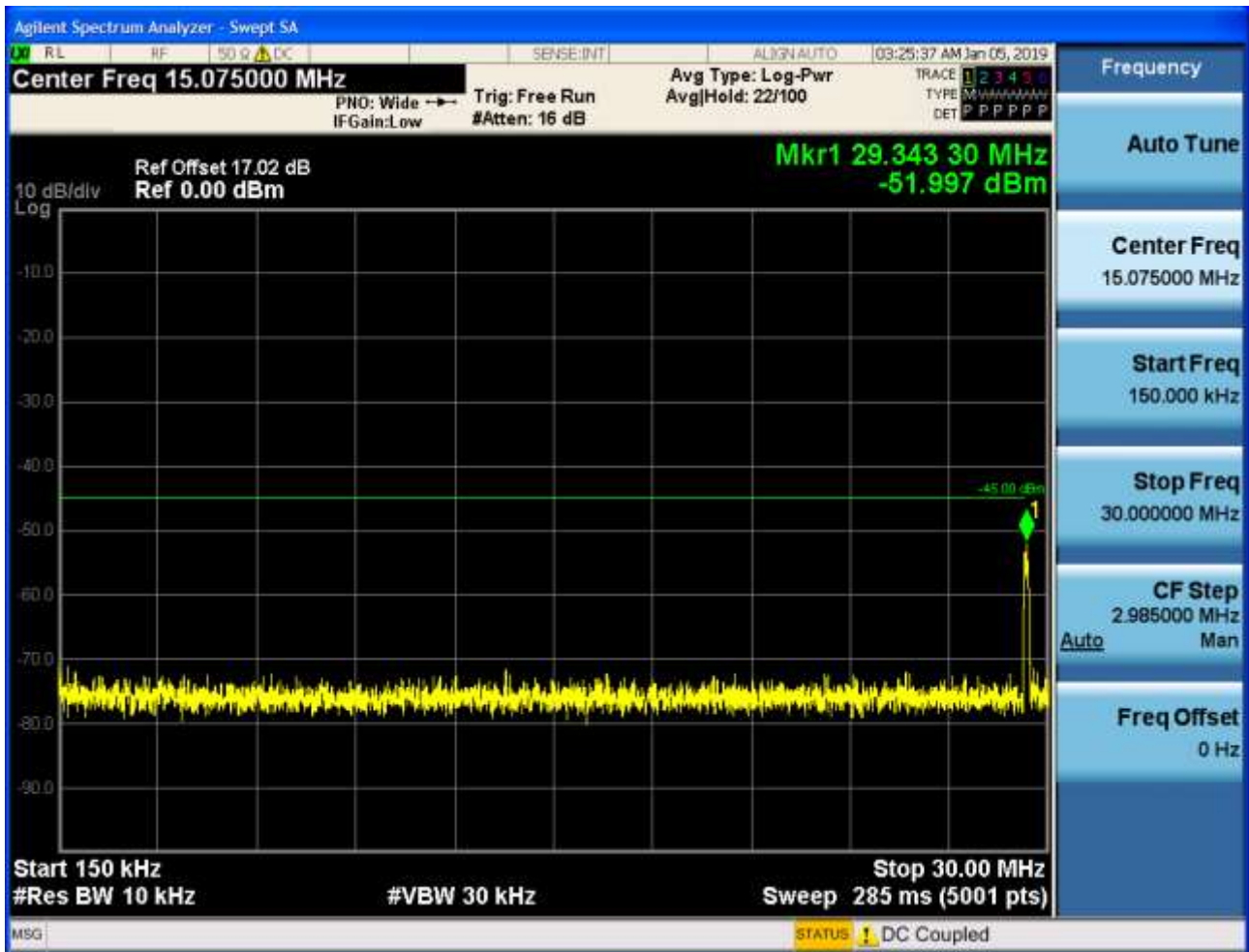


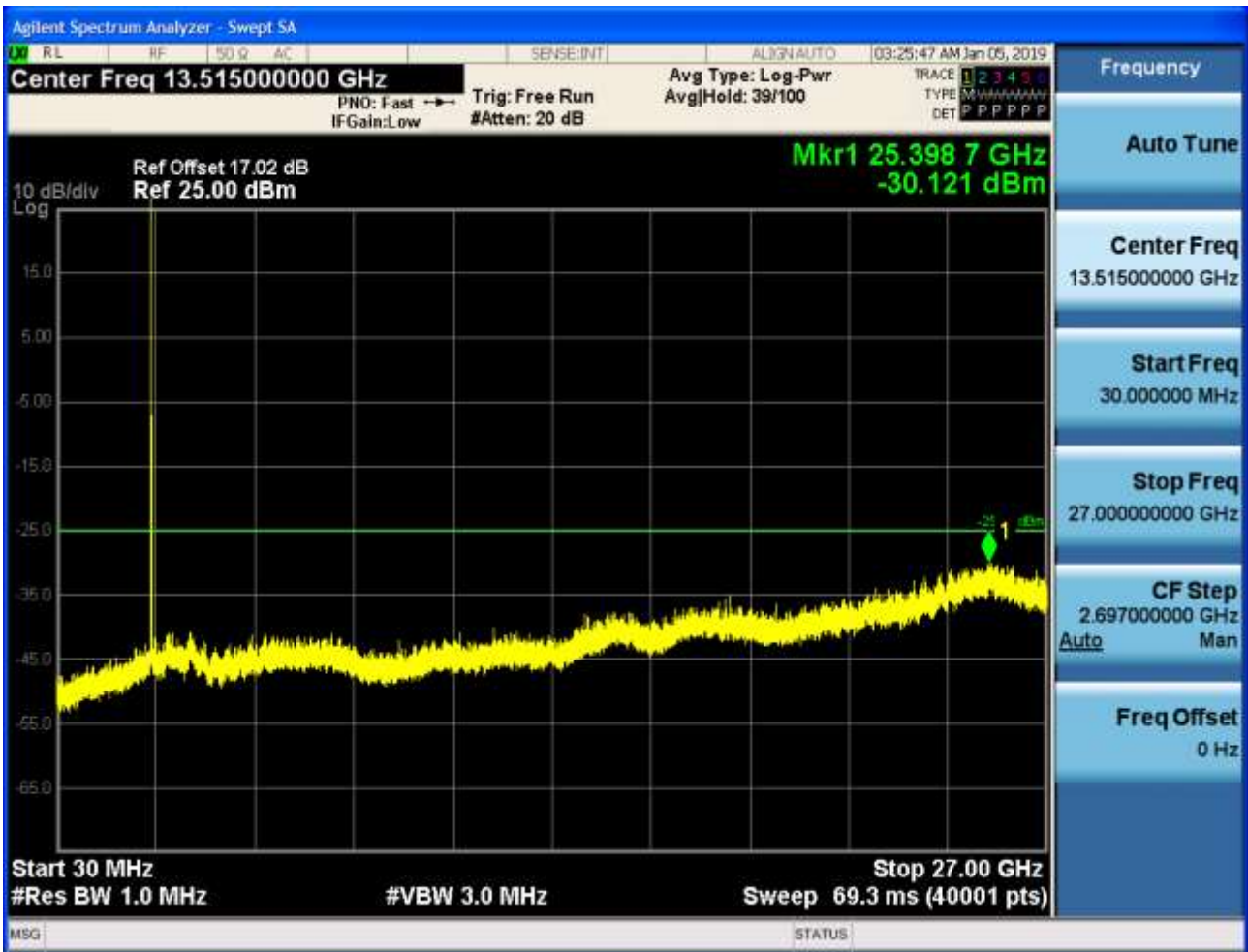


6.2.1.2.2 Test Channel = MCH

6.2.1.2.2.1 Test RB = RB1#0

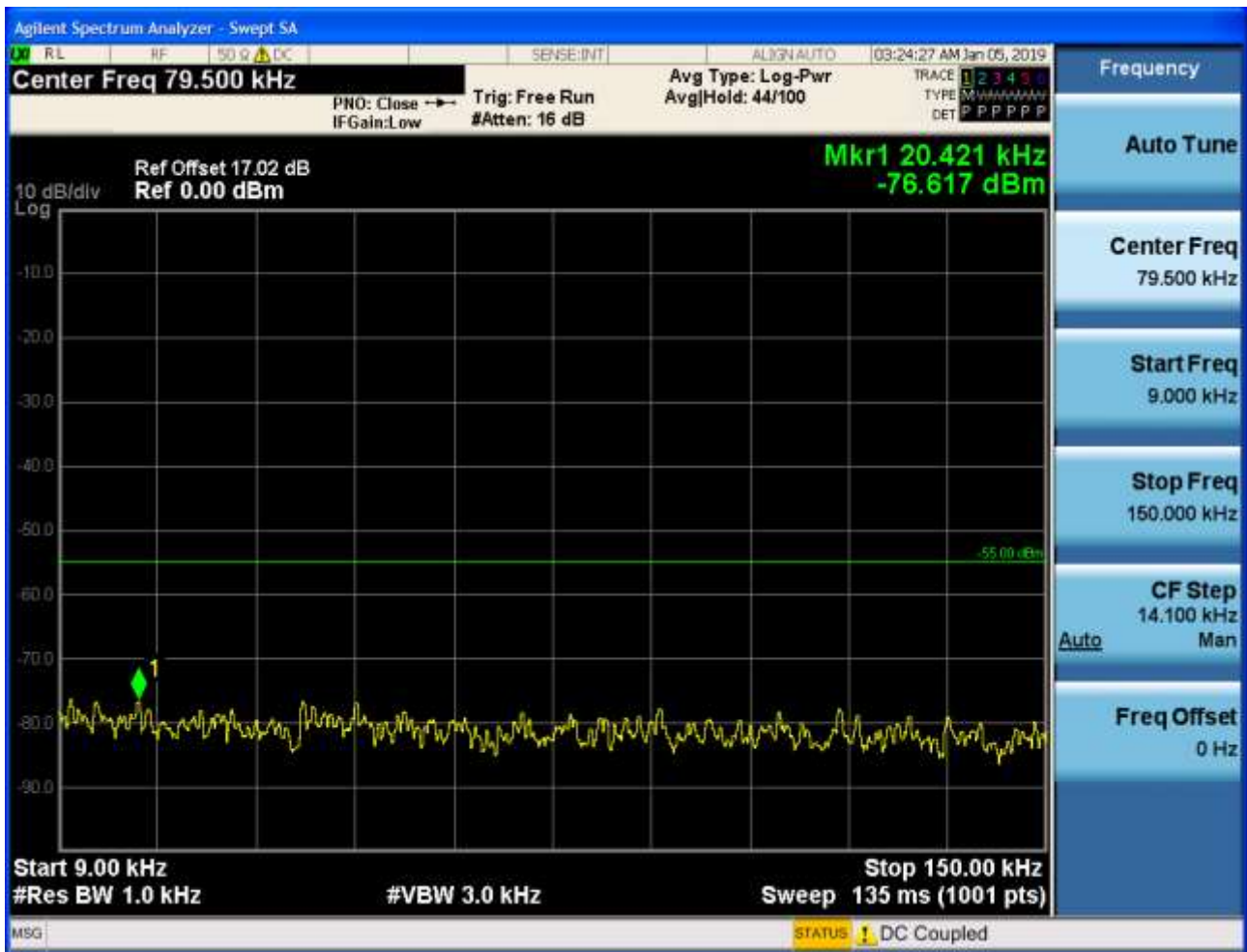






6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0



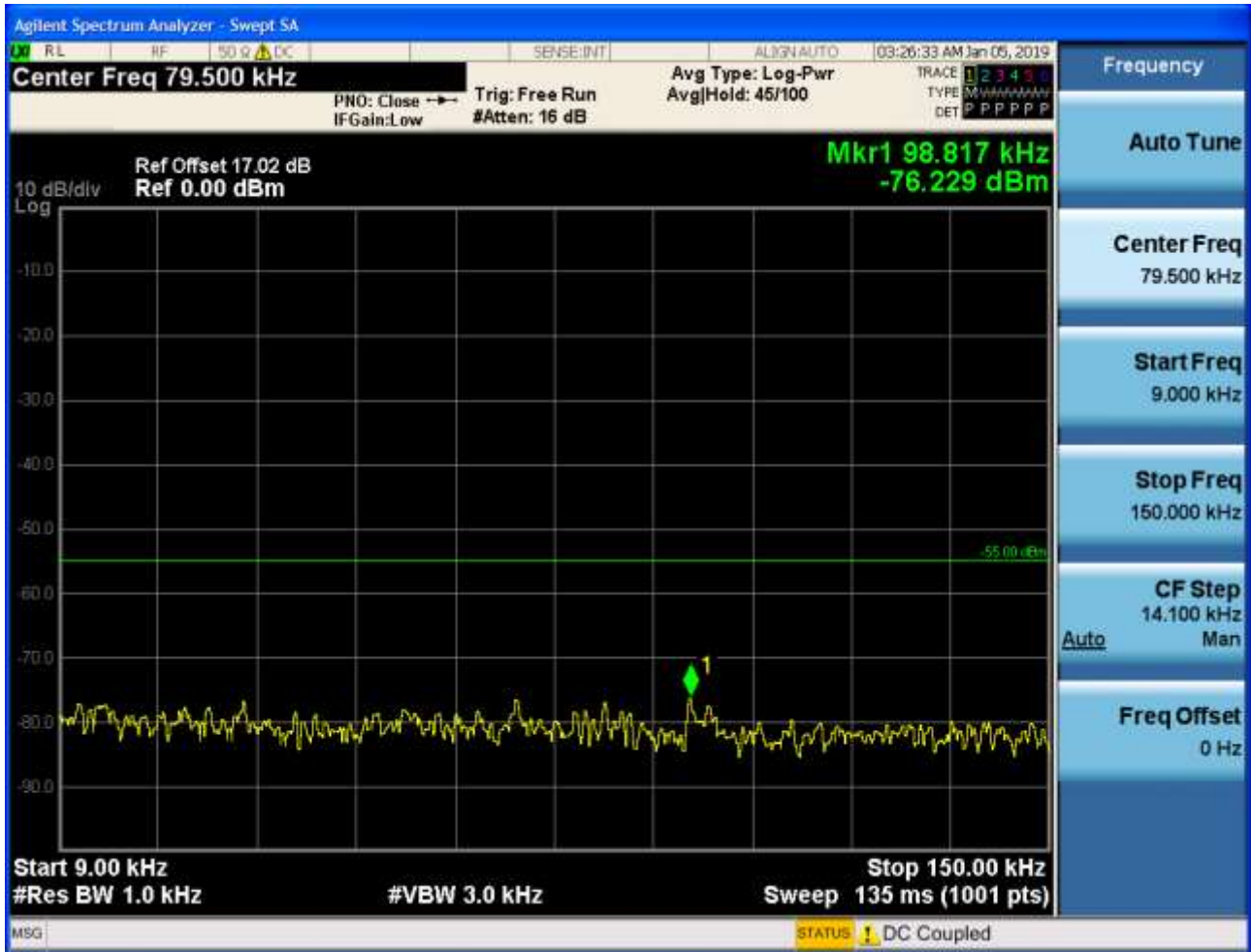


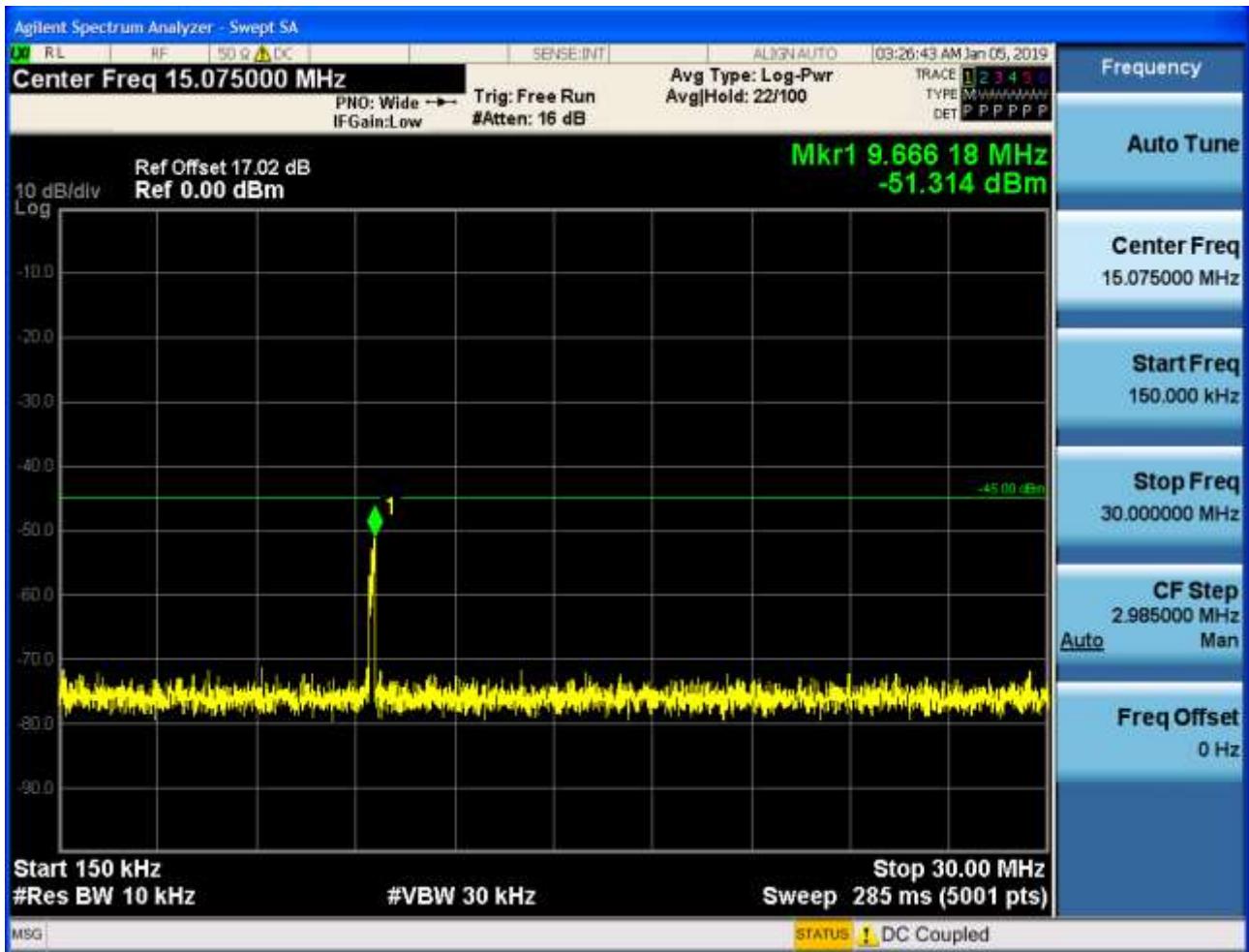


6.2.1.2.3 Test Bandwidth = 15

6.2.1.2.3.1 Test Channel = LCH

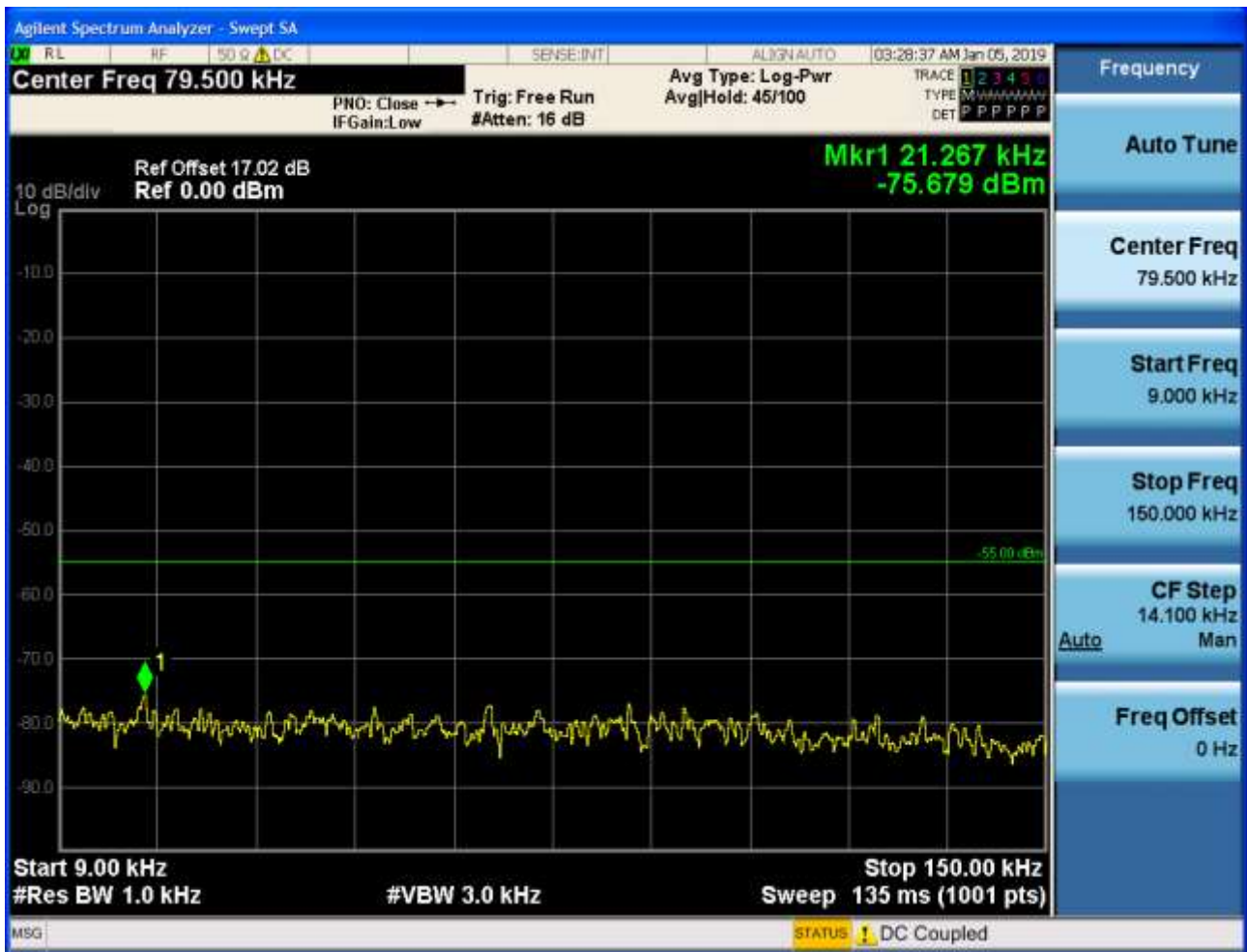
6.2.1.2.3.1.1 Test RB = RB1#0

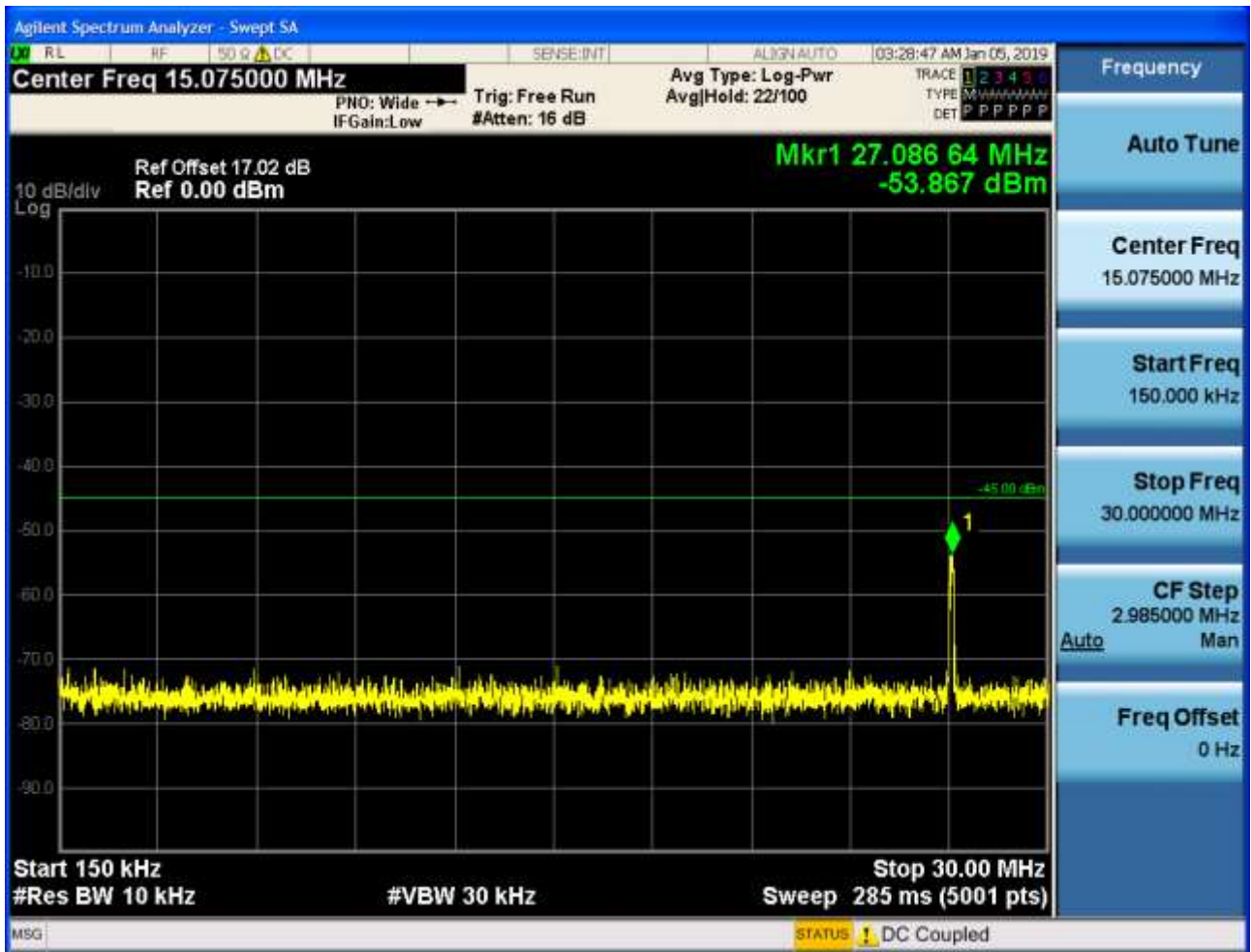




6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0



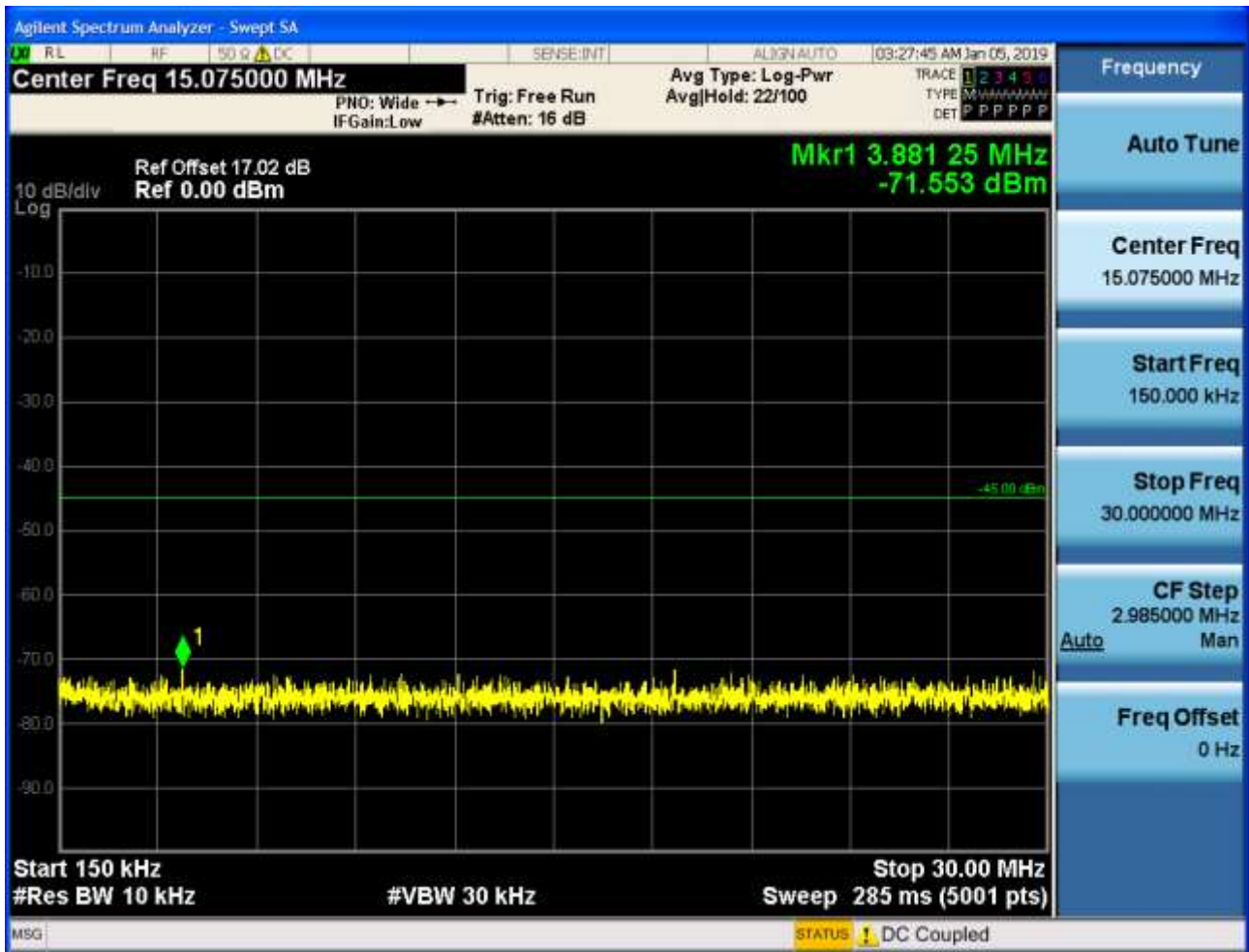




6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0



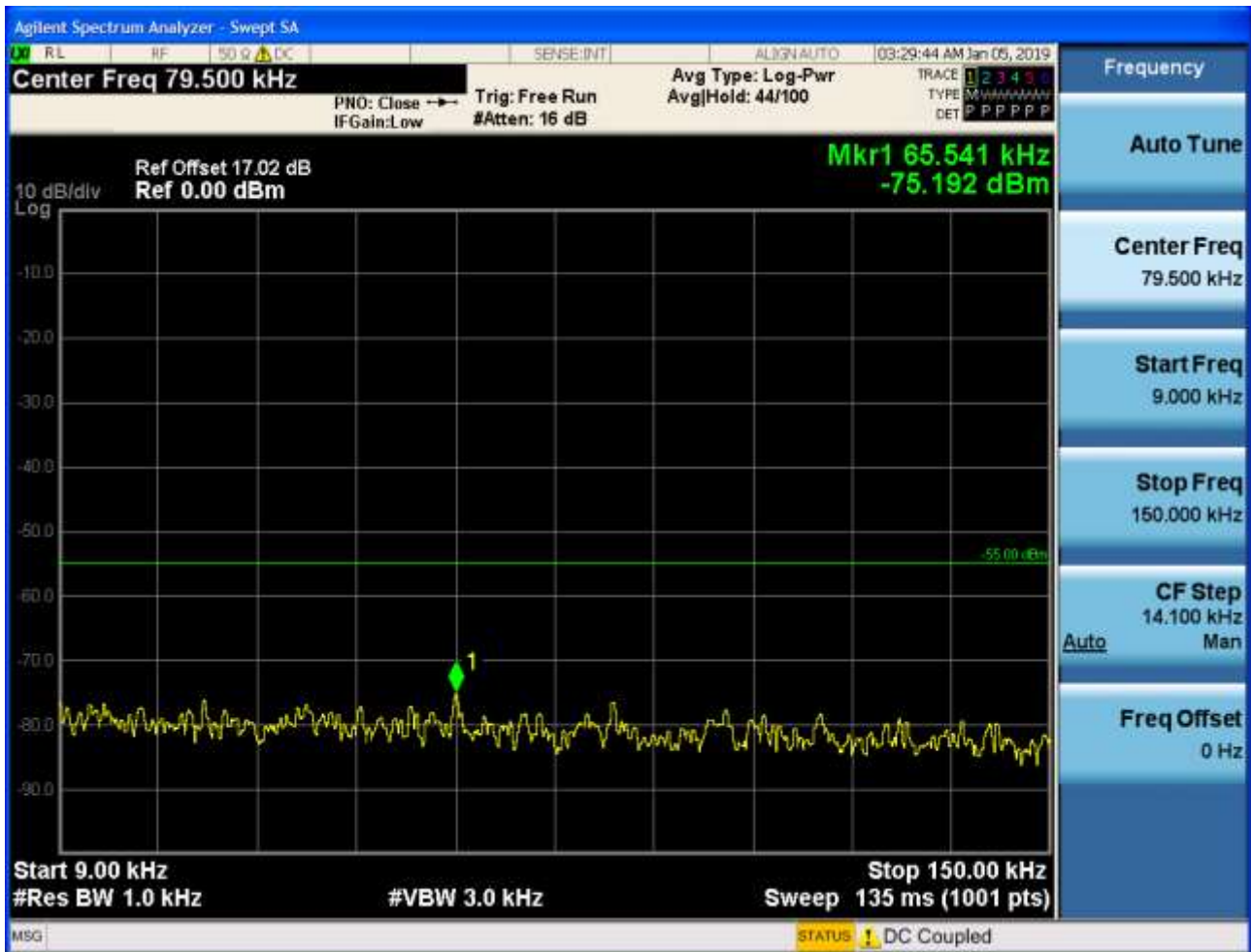




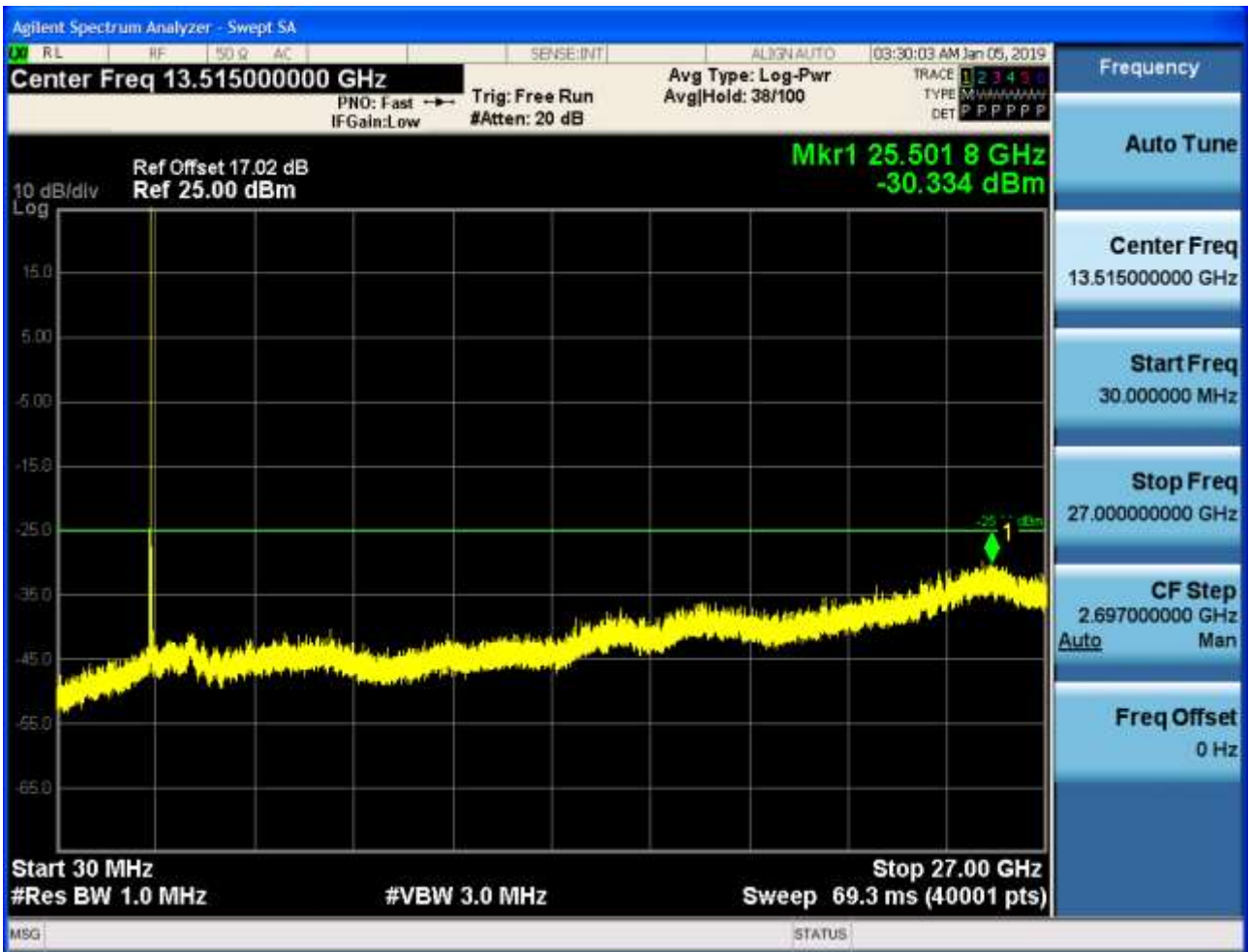
6.2.1.2.4 Test Bandwidth = 20

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

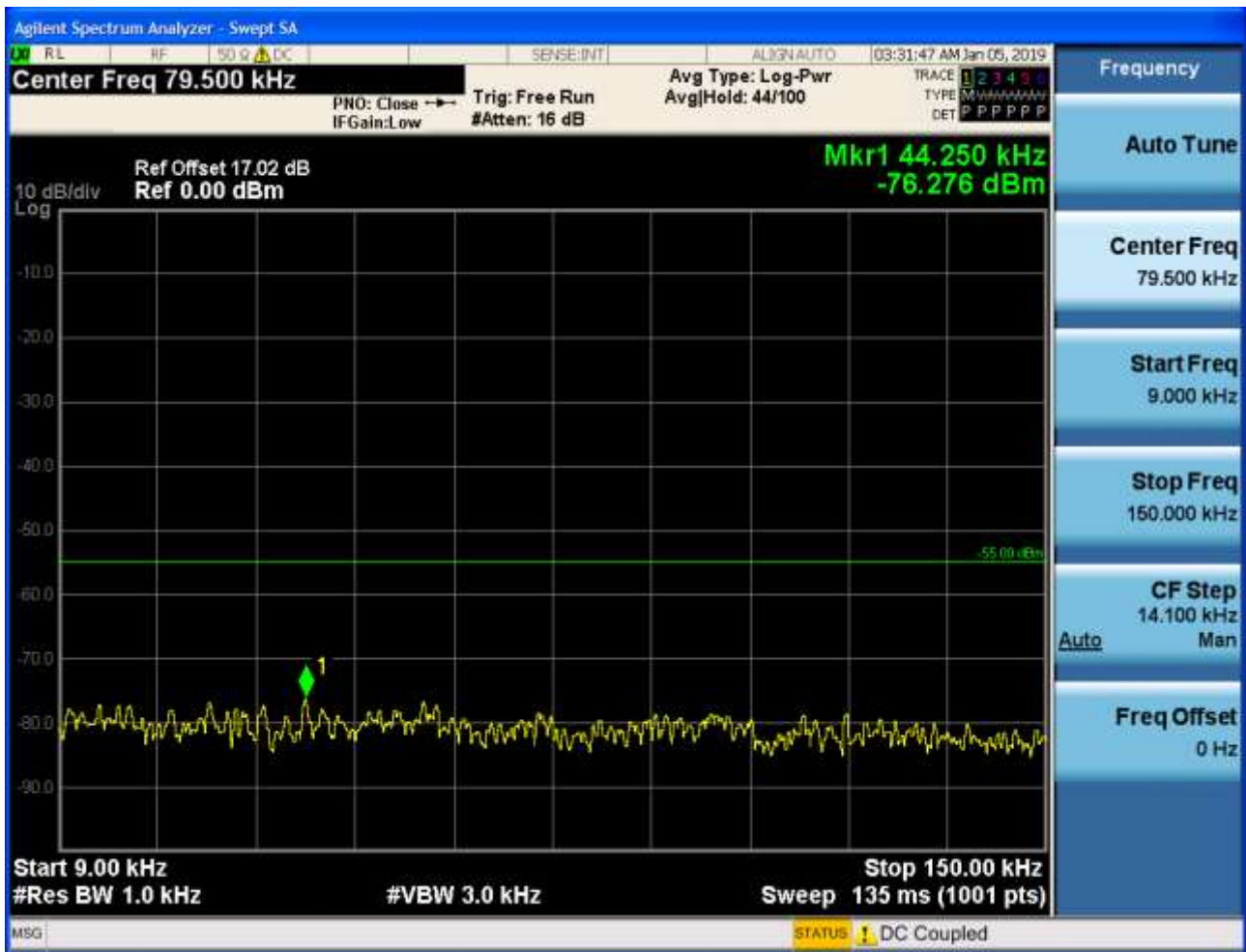


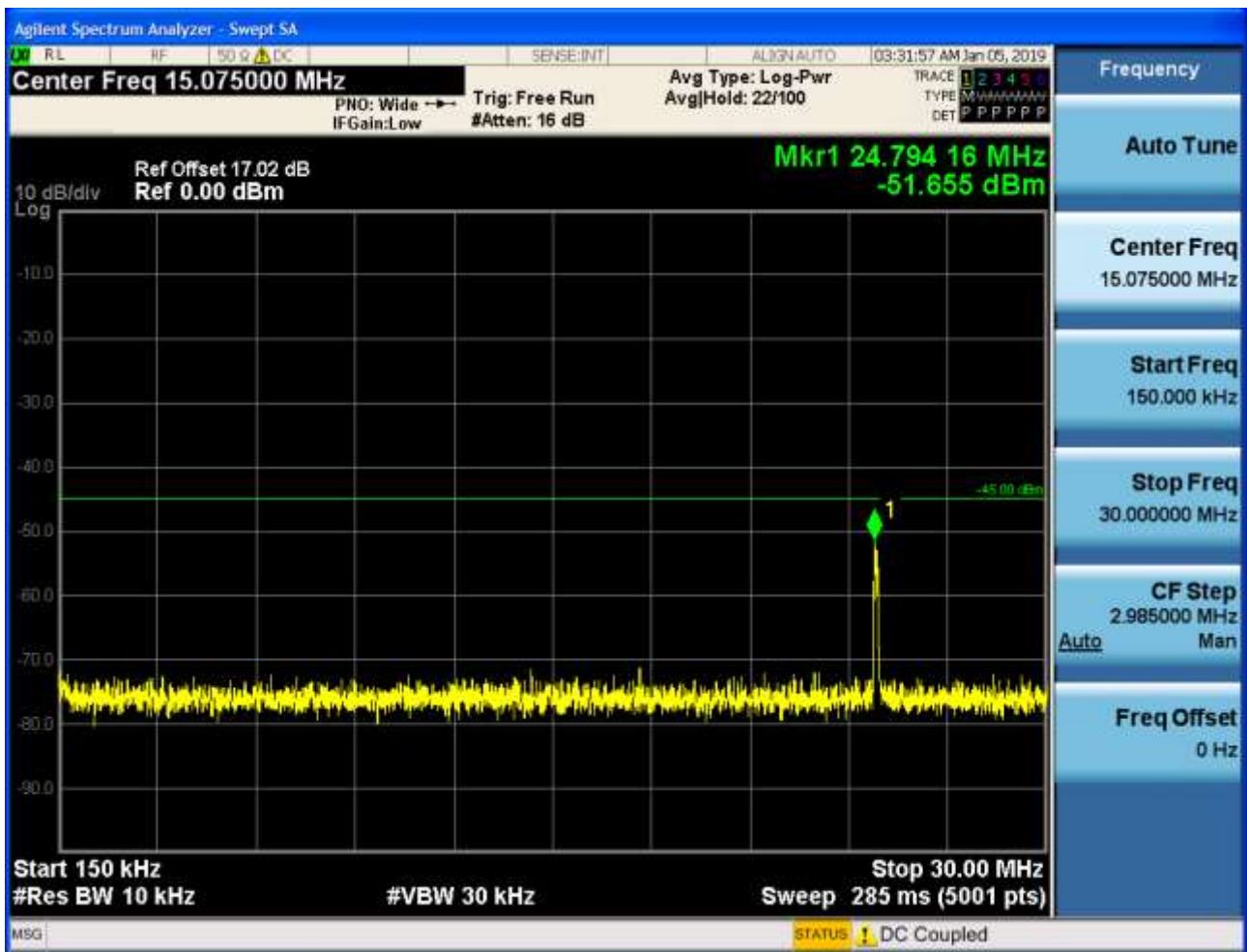




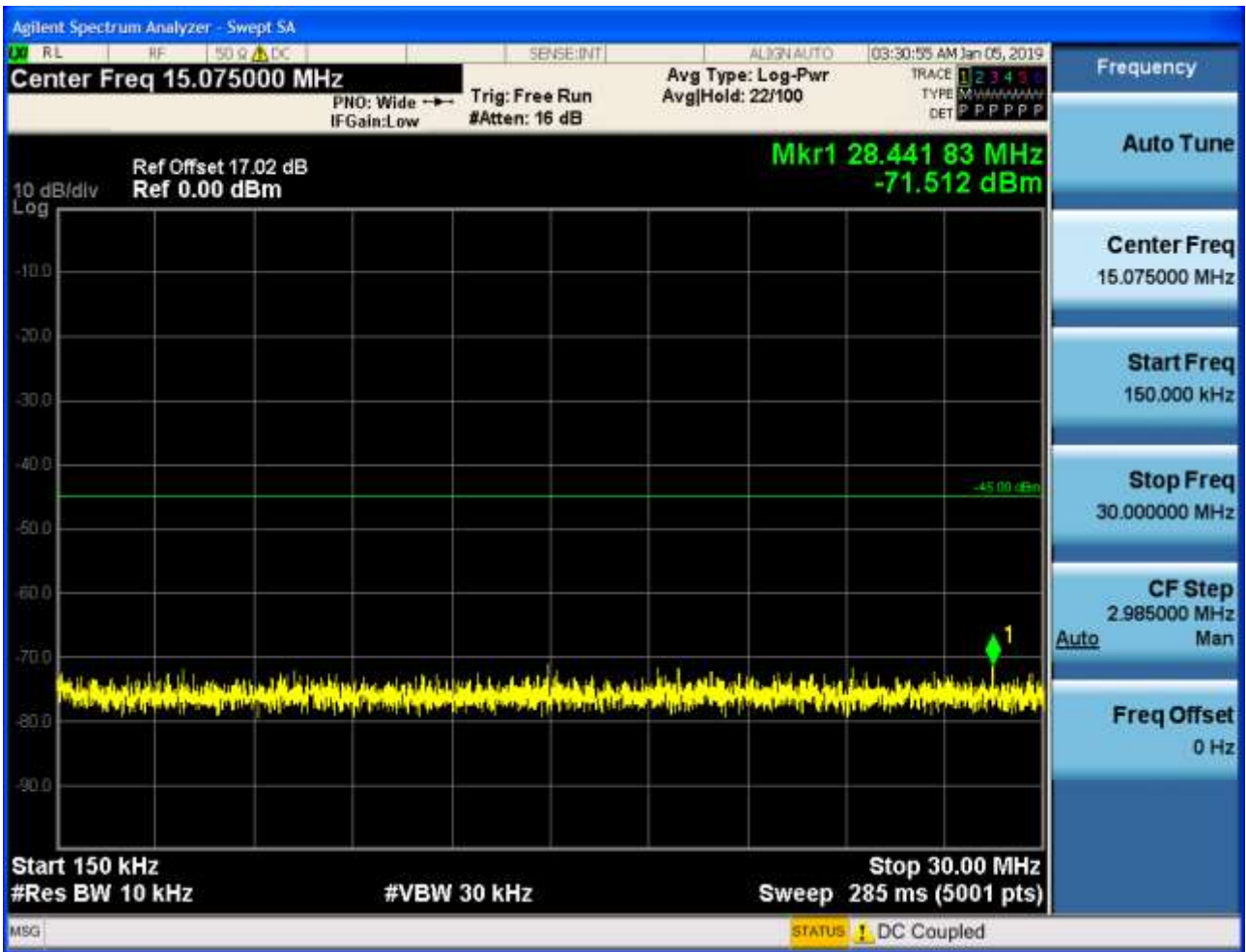
6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0











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

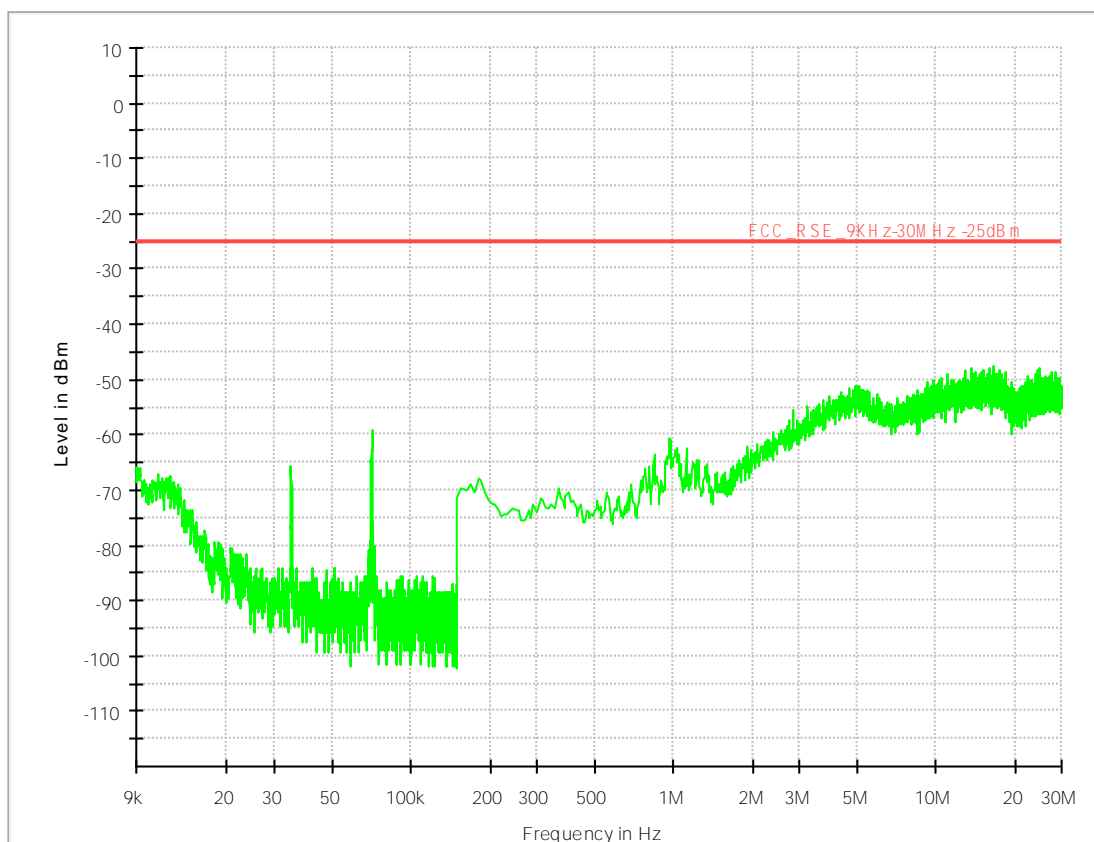
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

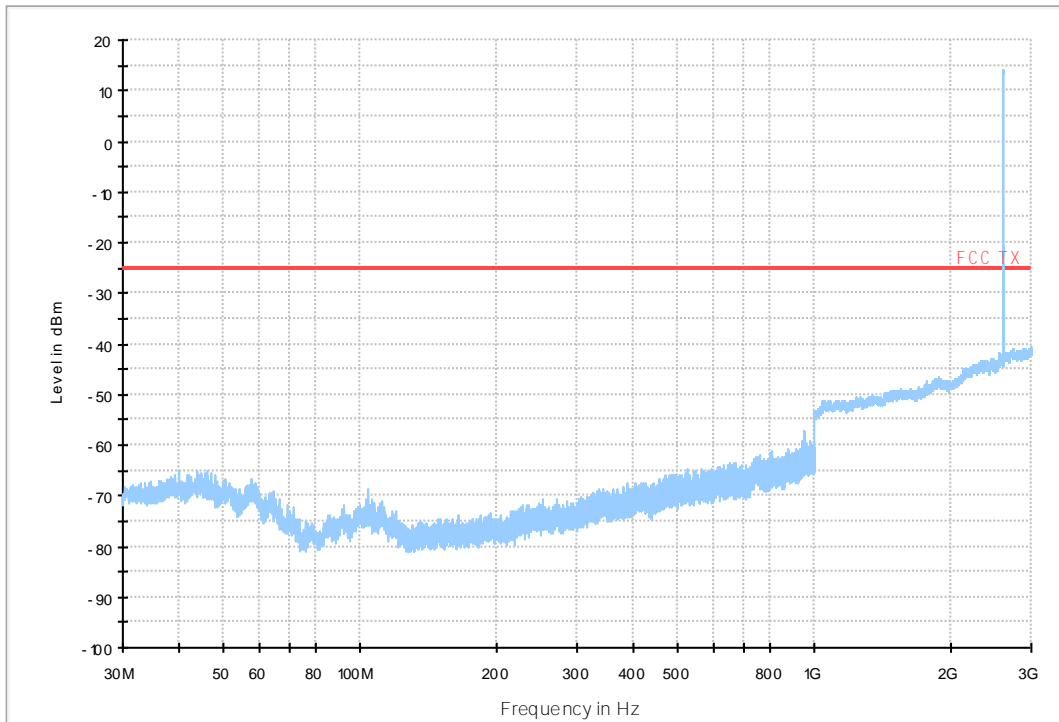
7.1 For LTE

7.1.1 Test Band = Band38_ANT1

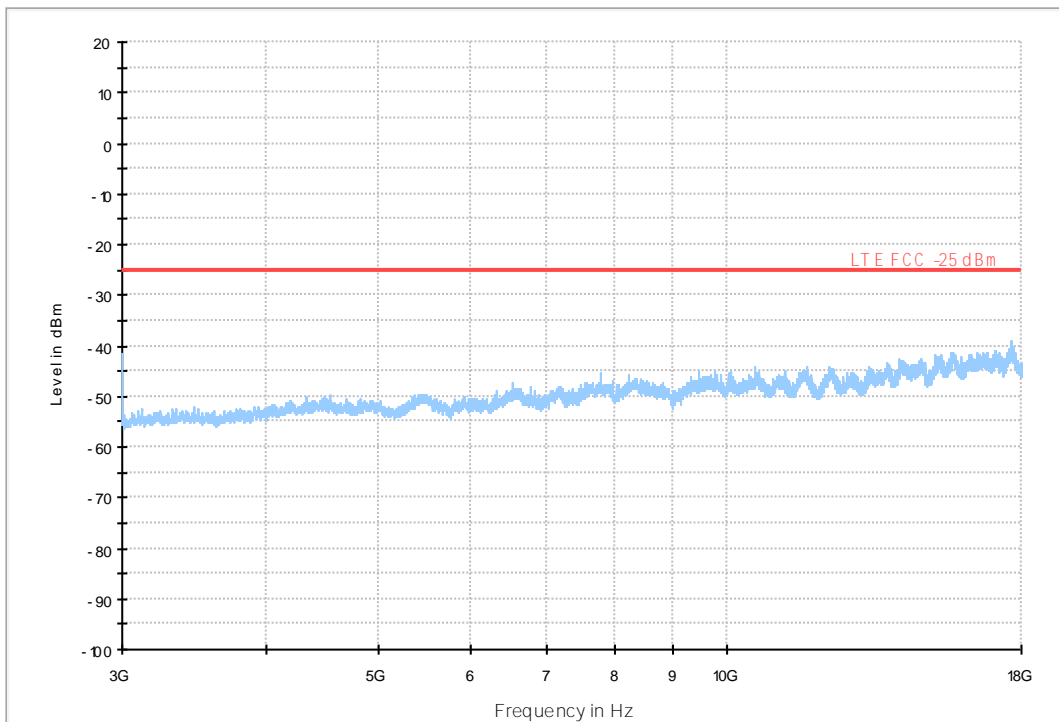
7.1.1.1 Test Bandwidth = 5



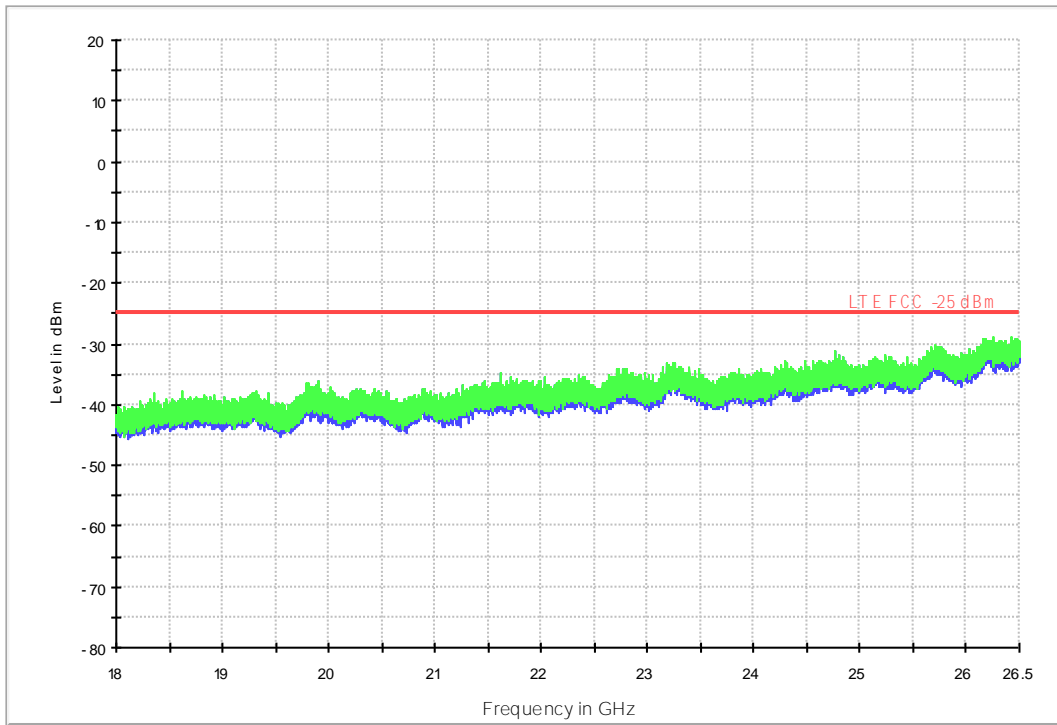
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



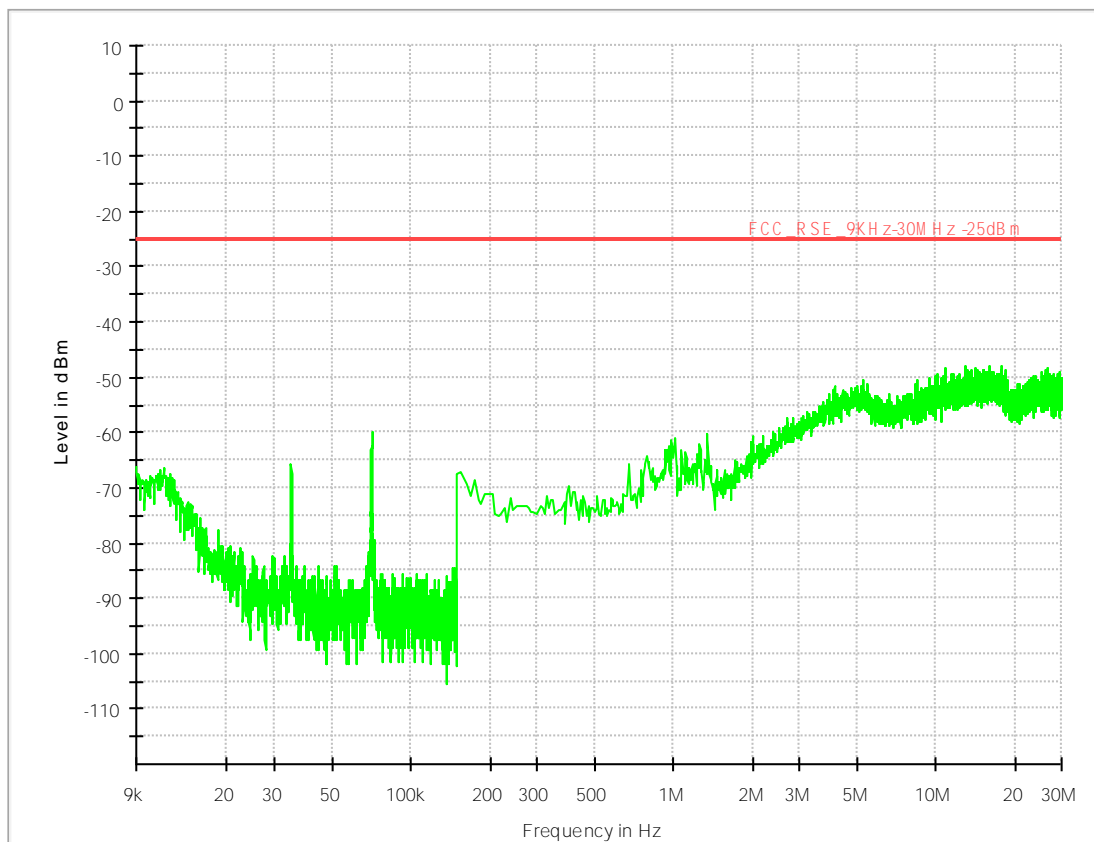
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



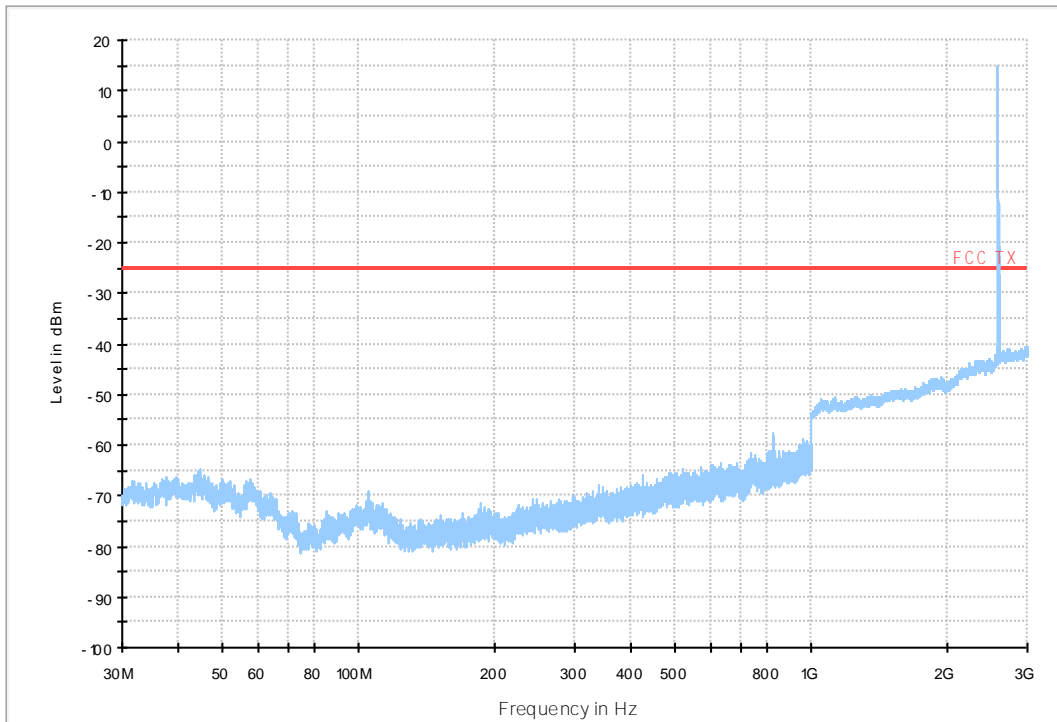
18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



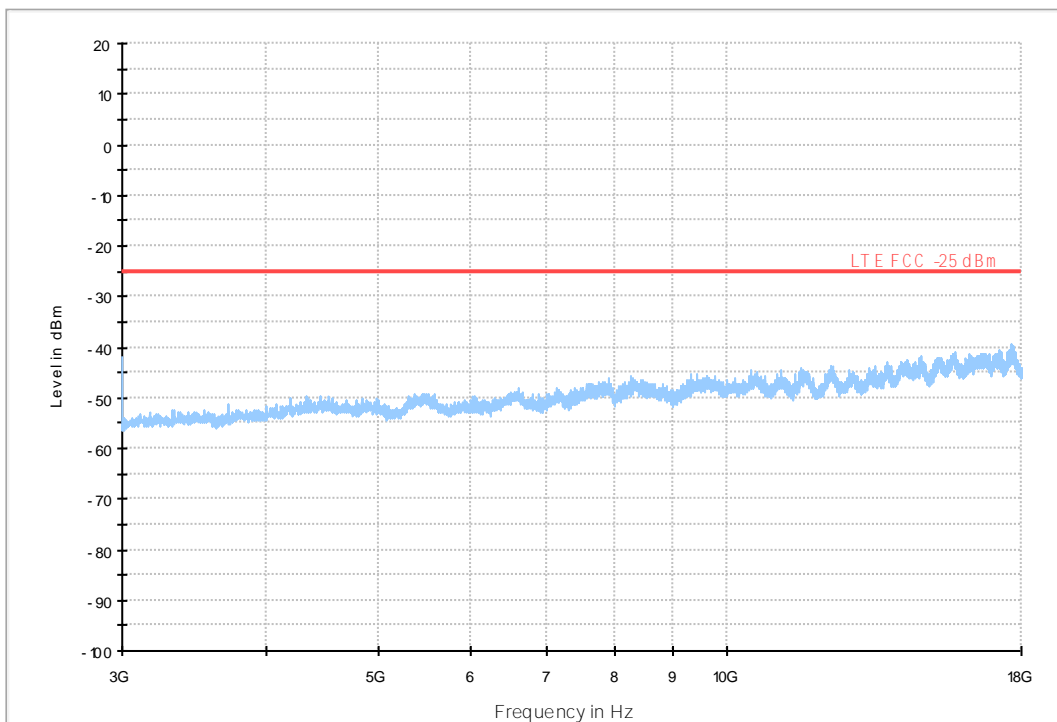
7.1.1.2 Test Bandwidth = 20



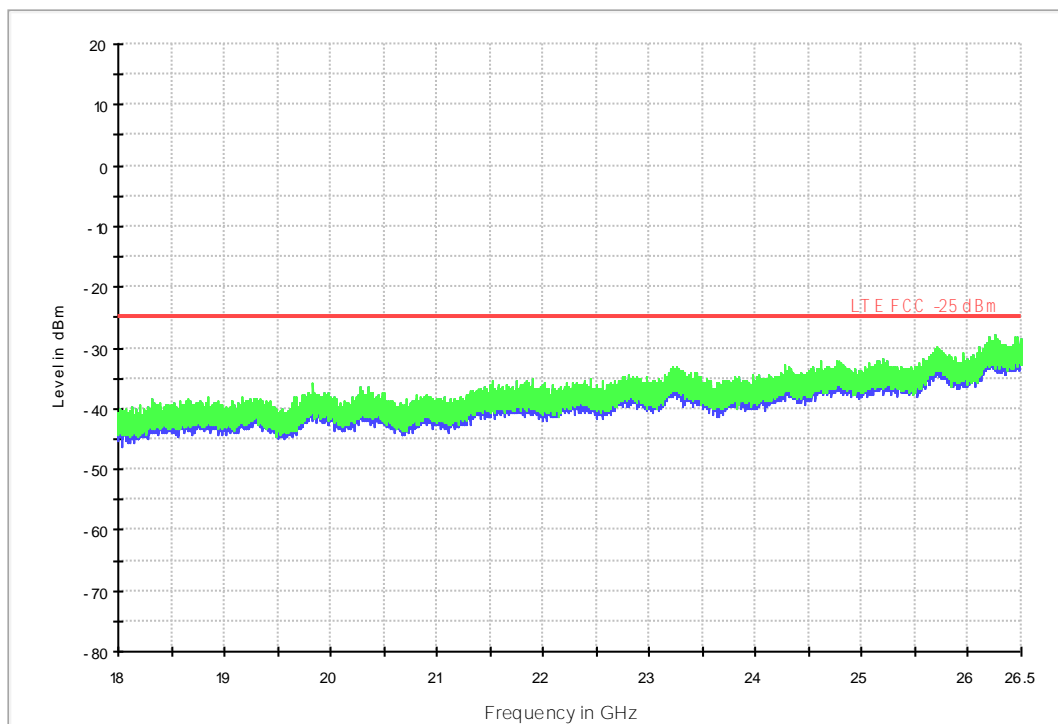
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit

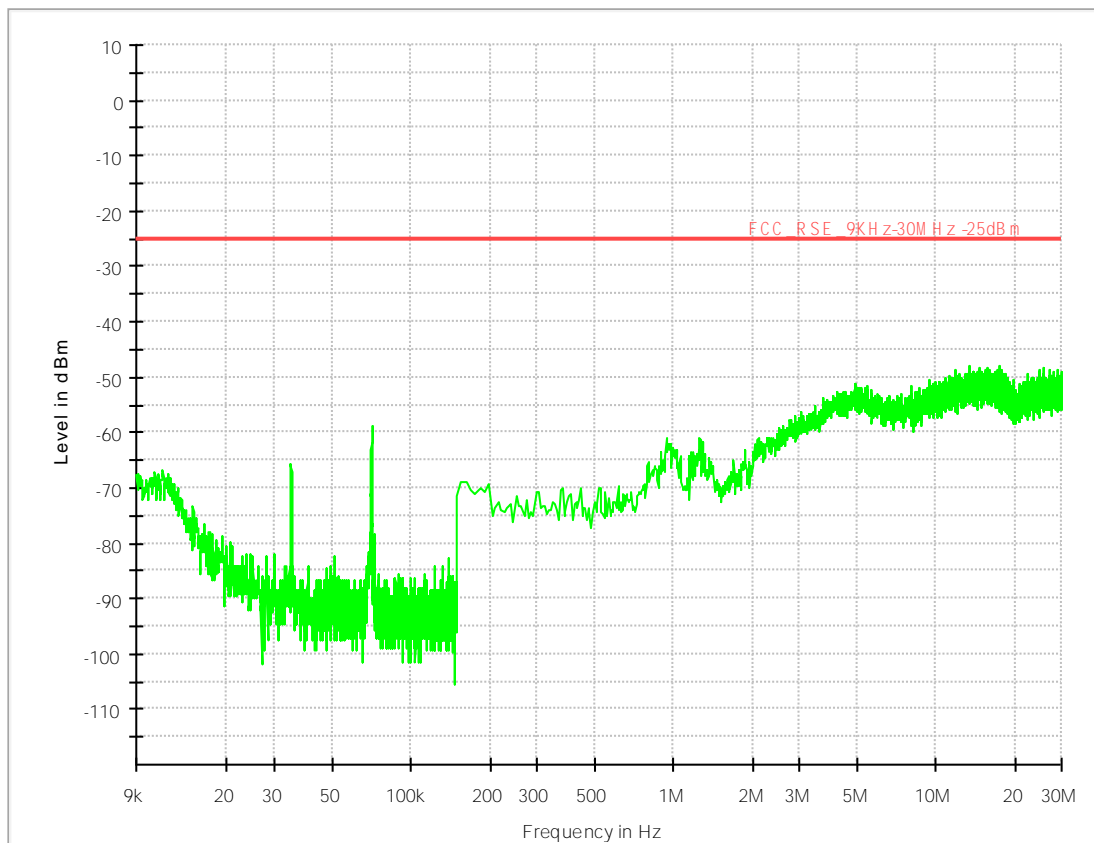


18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

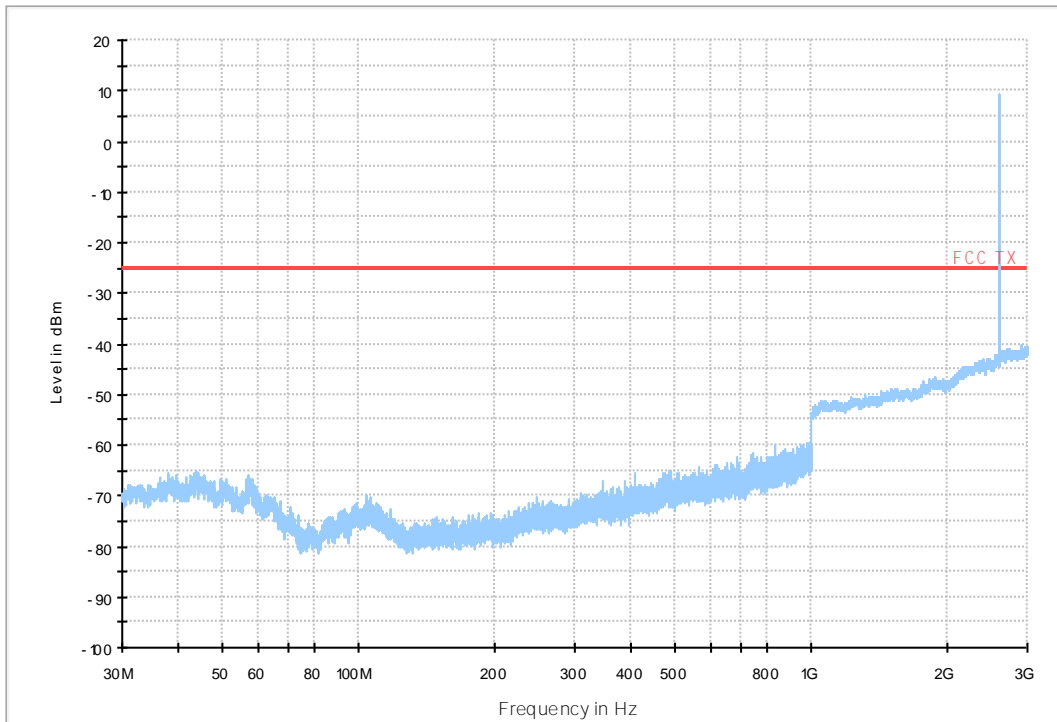


7.1.2 Test Band = Band38_ANT2

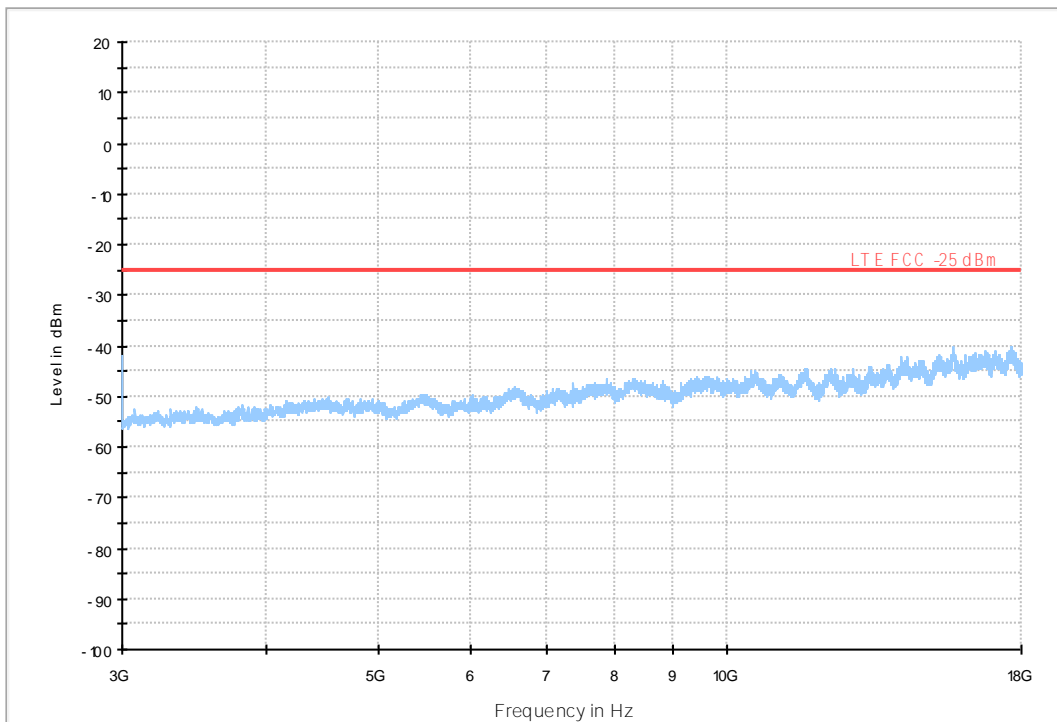
7.1.2.1 Test Bandwidth = 5



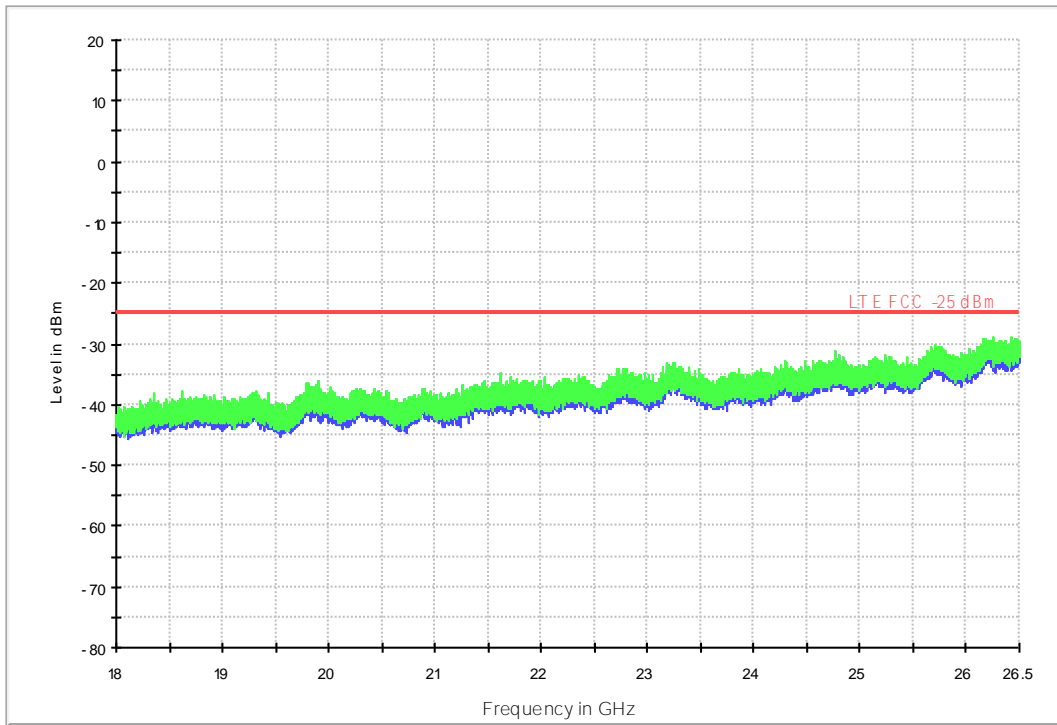
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



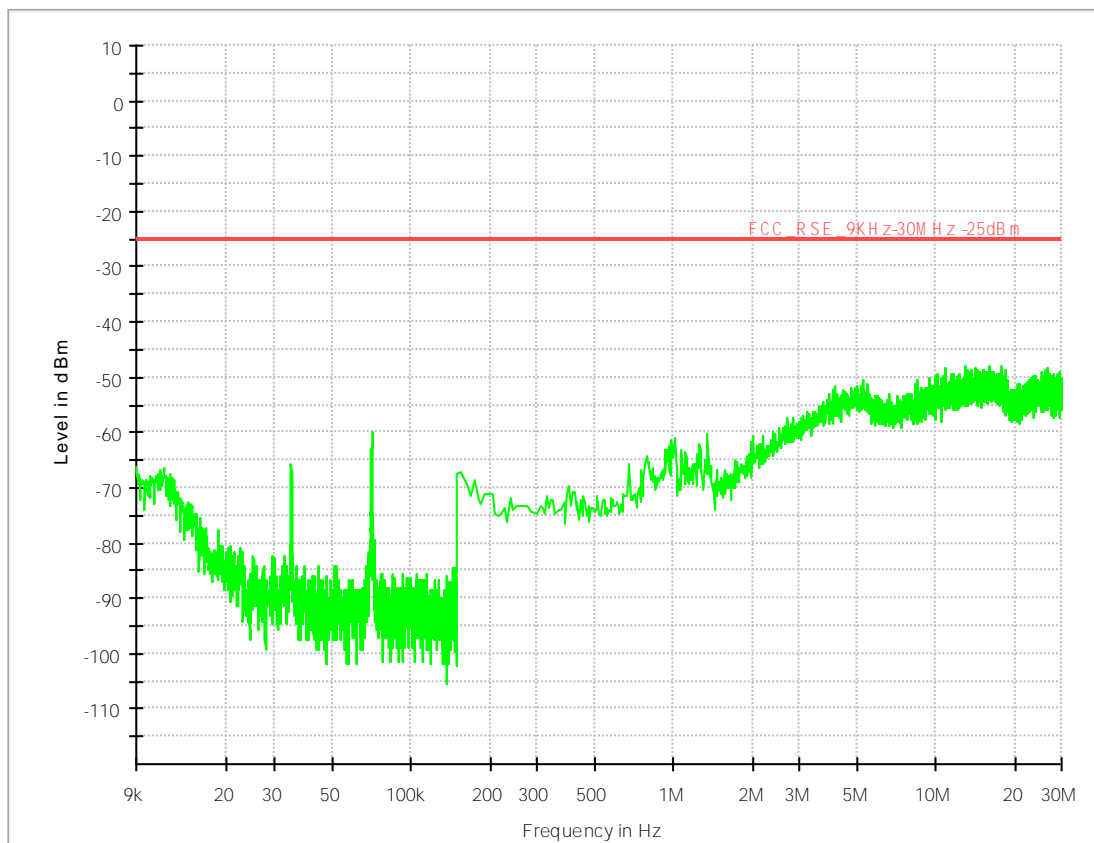
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



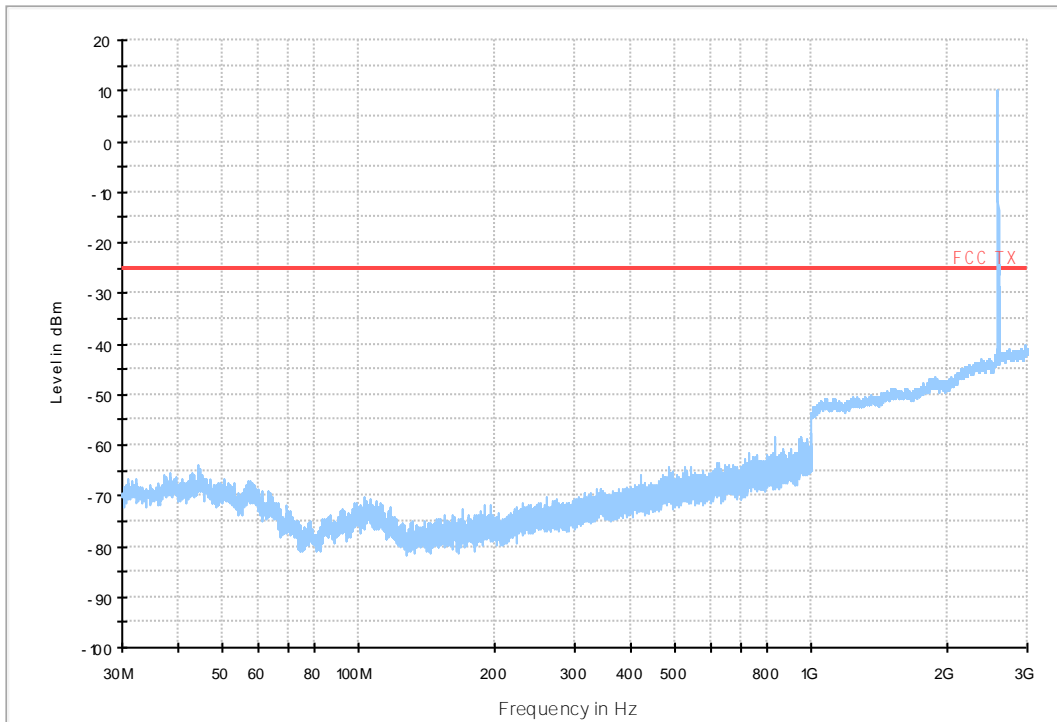
18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



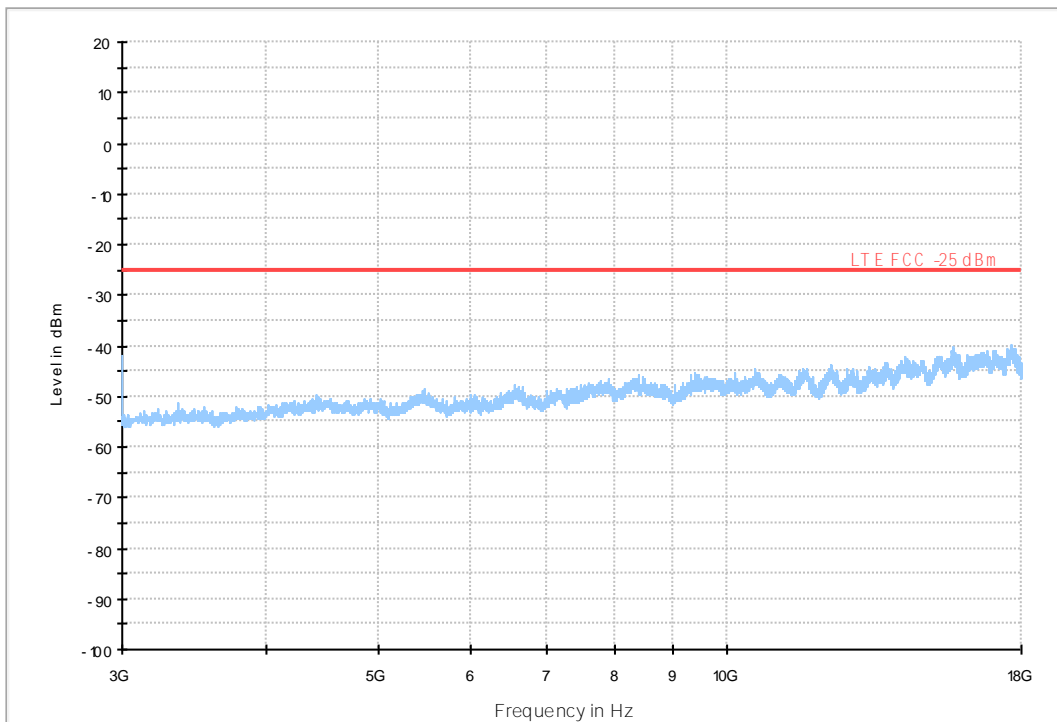
7.1.2.2 Test Bandwidth = 20



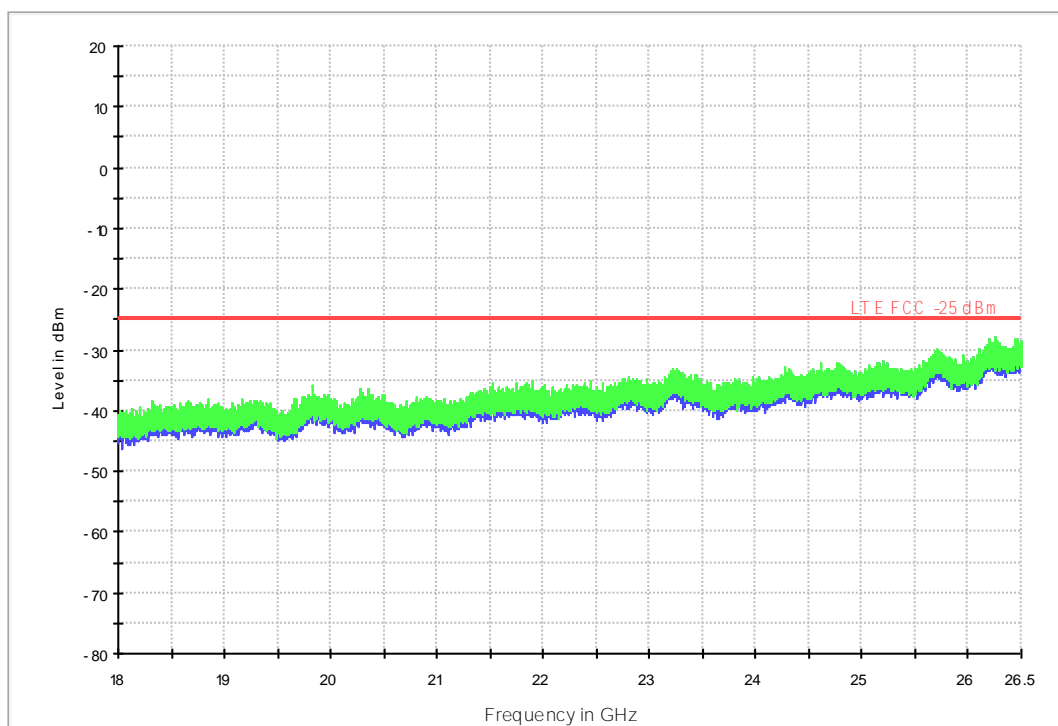
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



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



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band38	LTE/TM1	5	LCH	TN	VL	-18.66817	-0.00726	PASS
					VN	-3.89099	-0.00151	PASS
					VH	-26.47877	-0.01029	PASS
			MCH	TN	VL	-56.46229	-0.02176	PASS
					VN	-41.06998	-0.01583	PASS
					VH	-23.80371	-0.00917	PASS
			HCH	TN	VL	-19.79828	-0.00756	PASS
					VN	-21.97266	-0.00839	PASS
					VH	-44.81792	-0.01712	PASS
		10	LCH	TN	VL	-11.20090	-0.00435	PASS
					VN	-11.37257	-0.00442	PASS
					VH	-26.83640	-0.01042	PASS
			MCH	TN	VL	-26.46446	-0.01020	PASS
					VN	-15.40661	-0.00594	PASS
					VH	-22.60208	-0.00871	PASS
			HCH	TN	VL	-19.16885	-0.00733	PASS
					VN	-17.18044	-0.00657	PASS
					VH	-14.63413	-0.00560	PASS
		15	LCH	TN	VL	-13.46111	-0.00522	PASS
					VN	-9.12666	-0.00354	PASS
					VH	-11.67297	-0.00453	PASS
			MCH	TN	VL	-22.48764	-0.00867	PASS
					VN	-15.10620	-0.00582	PASS
					VH	-15.74993	-0.00607	PASS
			HCH	TN	VL	-15.60688	-0.00597	PASS
					VN	-17.43793	-0.00667	PASS
					VH	-13.34667	-0.00511	PASS
		20	LCH	TN	VL	-13.21793	-0.00512	PASS
					VN	-11.74450	-0.00455	PASS
					VH	-8.26836	-0.00320	PASS
MCH	TN		VL	-20.17021	-0.00777	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
	LTE/TM2				VN	-19.76967	-0.00762	PASS	
					VH	-20.95699	-0.00808	PASS	
					VL	-19.01150	-0.00728	PASS	
			HCH	TN	VN	-18.02444	-0.00691	PASS	
					VH	-16.25061	-0.00623	PASS	
					VL	-15.74993	-0.00612	PASS	
		5	LCH	TN	VN	-12.23087	-0.00475	PASS	
					VH	-17.75265	-0.00690	PASS	
					VL	-15.42091	-0.00594	PASS	
			MCH	TN	VN	-24.76215	-0.00954	PASS	
					VH	-19.92702	-0.00768	PASS	
					VL	-26.40724	-0.01009	PASS	
			HCH	TN	VN	-22.58778	-0.00863	PASS	
					VH	-38.66673	-0.01477	PASS	
					VL	-34.58977	-0.01343	PASS	
			10	LCH	TN	VN	-11.15799	-0.00433	PASS
						VH	-26.43585	-0.01027	PASS
						VL	-16.79420	-0.00647	PASS
		MCH		TN	VN	-41.01276	-0.01580	PASS	
					VH	-22.04418	-0.00849	PASS	
					VL	-15.64980	-0.00598	PASS	
		HCH		TN	VN	-25.89226	-0.00990	PASS	
					VH	-19.02580	-0.00728	PASS	
					VL	-12.54559	-0.00487	PASS	
		15	LCH	TN	VN	-13.70430	-0.00532	PASS	
					VH	-15.27786	-0.00593	PASS	
					VL	-16.39366	-0.00632	PASS	
			MCH	TN	VN	-21.81530	-0.00841	PASS	
					VH	-21.37184	-0.00824	PASS	
					VL	-14.06193	-0.00538	PASS	
			HCH	TN	VN	-14.11915	-0.00540	PASS	
					VH	-15.42091	-0.00590	PASS	
					VL	-12.10213	-0.00469	PASS	
		20	LCH	TN	VN	-12.83169	-0.00497	PASS	
					VH	-11.45840	-0.00444	PASS	
					VL	-17.76695	-0.00685	PASS	
			MCH	TN	VN	-19.55509	-0.00754	PASS	
					VH	-18.46790	-0.00712	PASS	
					VL	-18.46790	-0.00712	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	-15.33508	-0.00588	PASS
					VN	-18.95428	-0.00726	PASS
					VH	-19.18316	-0.00735	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
Band38	LTE/TM1	5	LCH	VN	-30	-7.63893	-0.00297	PASS
					-20	-4.96387	-0.00193	PASS
					-10	-7.18117	-0.00279	PASS
					0	-13.53264	-0.00526	PASS
					10	-6.93798	-0.00270	PASS
					20	-3.89099	-0.00151	PASS
					30	-7.51018	-0.00292	PASS
					40	-3.64780	-0.00142	PASS
					50	-2.24590	-0.00087	PASS
			MCH	VN	-30	-39.62517	-0.01527	PASS
					-20	-26.60751	-0.01025	PASS
					-10	-24.94812	-0.00961	PASS
					0	-25.92087	-0.00999	PASS
					10	-24.20425	-0.00933	PASS
					20	-41.06998	-0.01583	PASS
					30	-23.07415	-0.00889	PASS
					40	-17.96722	-0.00692	PASS
					50	-24.53327	-0.00945	PASS
		HCH	VN	-30	-25.43449	-0.00972	PASS	
				-20	-50.56858	-0.01932	PASS	
				-10	-17.49516	-0.00668	PASS	
				0	-21.07143	-0.00805	PASS	
				10	-22.94540	-0.00877	PASS	
				20	-21.97266	-0.00839	PASS	
				30	-17.83848	-0.00682	PASS	
				40	-19.29760	-0.00737	PASS	
				50	-23.40317	-0.00894	PASS	
10	LCH	VN	-30	-12.41684	-0.00482	PASS		
			-20	-17.08031	-0.00663	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					-10	-11.54423	-0.00448	PASS			
					0	-12.91752	-0.00502	PASS			
					10	-13.66138	-0.00531	PASS			
					20	-11.37257	-0.00442	PASS			
					30	-10.25677	-0.00398	PASS			
					40	-6.82354	-0.00265	PASS			
					50	-12.41684	-0.00482	PASS			
			MCH	VN	-30	-48.07949	-0.01853	PASS			
					-20	-20.04147	-0.00772	PASS			
					-10	-19.84119	-0.00765	PASS			
					0	-20.81394	-0.00802	PASS			
					10	-32.68719	-0.01260	PASS			
					20	-15.40661	-0.00594	PASS			
					30	-17.50946	-0.00675	PASS			
			HCH	VN	-30	-24.53327	-0.00938	PASS			
					-20	-14.39095	-0.00550	PASS			
					-10	-16.10756	-0.00616	PASS			
					0	-16.99448	-0.00650	PASS			
					10	-26.97945	-0.01032	PASS			
					20	-17.18044	-0.00657	PASS			
					30	-13.90457	-0.00532	PASS			
			15					40	-10.42843	-0.00399	PASS
								50	-9.44138	-0.00361	PASS
								-30	-19.31190	-0.00749	PASS
								-20	-15.54966	-0.00603	PASS
								-10	-9.35554	-0.00363	PASS
								0	-10.92911	-0.00424	PASS
								10	-23.73219	-0.00921	PASS
								20	-9.12666	-0.00354	PASS
								30	-9.77039	-0.00379	PASS
								40	-9.15527	-0.00355	PASS
			MCH	VN	50	-12.05921	-0.00468	PASS			
					-30	-20.21313	-0.00779	PASS			
					-20	-20.48492	-0.00789	PASS			
					-10	-17.25197	-0.00665	PASS			
					0	-16.27922	-0.00627	PASS			
								10	-15.66410	-0.00604	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict								
					20	-15.10620	-0.00582	PASS								
					30	-17.32349	-0.00668	PASS								
					40	-17.72404	-0.00683	PASS								
					50	-17.75265	-0.00684	PASS								
			HCH	VN				-30	-20.59937	-0.00788	PASS					
								-20	-15.60688	-0.00597	PASS					
								-10	-14.54830	-0.00557	PASS					
								0	-15.46383	-0.00592	PASS					
								10	-14.57691	-0.00558	PASS					
								20	-17.43793	-0.00667	PASS					
								30	-13.06057	-0.00500	PASS					
								40	-11.48701	-0.00440	PASS					
								50	-15.36369	-0.00588	PASS					
								LCH	VN				-30	-13.99040	-0.00542	PASS
													-20	-9.75609	-0.00378	PASS
													-10	-12.68864	-0.00492	PASS
			0	-16.07895	-0.00623	PASS										
			10	-9.75609	-0.00378	PASS										
			20	-11.74450	-0.00455	PASS										
			30	-10.38551	-0.00403	PASS										
		40	-9.87053	-0.00383	PASS											
		MCH	VN				50	-11.78741	-0.00457	PASS						
							-30	-21.78669	-0.00840	PASS						
							-20	-20.75672	-0.00800	PASS						
							-10	-18.68248	-0.00720	PASS						
							0	-17.26627	-0.00665	PASS						
							10	-18.36777	-0.00708	PASS						
							20	-19.76967	-0.00762	PASS						
							30	-16.83712	-0.00649	PASS						
		HCH	VN				40	-16.96587	-0.00654	PASS						
							50	-14.94884	-0.00576	PASS						
							-30	-17.16614	-0.00658	PASS						
							-20	-16.39366	-0.00628	PASS						
							-10	-17.02309	-0.00652	PASS						
							0	-16.96587	-0.00650	PASS						
							10	-17.95292	-0.00688	PASS						
							20	-18.02444	-0.00691	PASS						
				20			30	-15.67841	-0.00601	PASS						
							40	-17.62390	-0.00675	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	LCH	VN	50	-15.54966	-0.00596	PASS
					-30	-16.03603	-0.00623	PASS
					-20	-45.99094	-0.01788	PASS
					-10	-19.94133	-0.00775	PASS
					0	-15.99312	-0.00622	PASS
					10	-57.42073	-0.02232	PASS
					20	-12.23087	-0.00475	PASS
					30	-15.12051	-0.00588	PASS
					40	-9.75609	-0.00379	PASS
					50	-9.55582	-0.00371	PASS
			MCH	VN	-30	-19.86980	-0.00766	PASS
					-20	-50.89760	-0.01961	PASS
					-10	-24.54758	-0.00946	PASS
					0	-42.52911	-0.01639	PASS
					10	-26.10683	-0.01006	PASS
					20	-24.76215	-0.00954	PASS
					30	-21.38615	-0.00824	PASS
					40	-24.90520	-0.00960	PASS
					50	-18.26763	-0.00704	PASS
					HCH	VN	-30	-29.15382
		-20	-41.49914	-0.01585			PASS	
		-10	-77.23331	-0.02951			PASS	
		0	-23.88954	-0.00913			PASS	
		10	-26.96514	-0.01030			PASS	
		20	-22.58778	-0.00863			PASS	
		30	-24.16134	-0.00923			PASS	
		40	-22.08710	-0.00844			PASS	
		50	-21.77238	-0.00832			PASS	
		10	LCH	VN			-30	-12.96043
					-20	-12.60281	-0.00489	PASS
					-10	-16.52241	-0.00642	PASS
					0	-17.02309	-0.00661	PASS
					10	-14.33372	-0.00557	PASS
					20	-11.15799	-0.00433	PASS
					30	-10.21385	-0.00397	PASS
					40	-11.08646	-0.00431	PASS
					50	-11.00063	-0.00427	PASS
					MCH	VN	-30	-24.81937
		-20	-19.44065	-0.00749			PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	-22.78805	-0.00878	PASS		
					0	-20.49923	-0.00790	PASS		
					10	-19.85550	-0.00765	PASS		
					20	-41.01276	-0.01580	PASS		
					30	-14.46247	-0.00557	PASS		
					40	-21.34323	-0.00822	PASS		
					50	-17.93861	-0.00691	PASS		
			HCH	VN	-30	-16.46519	-0.00630	PASS		
					-20	-19.19746	-0.00734	PASS		
					-10	-19.41204	-0.00742	PASS		
					0	-18.01014	-0.00689	PASS		
					10	-22.01557	-0.00842	PASS		
					20	-25.89226	-0.00990	PASS		
					30	-21.97266	-0.00840	PASS		
		LCH	VN	-30	-22.13001	-0.00859	PASS			
				-20	-11.93047	-0.00463	PASS			
				-10	-13.77583	-0.00534	PASS			
				0	-12.71725	-0.00493	PASS			
				10	-14.26220	-0.00553	PASS			
				20	-13.70430	-0.00532	PASS			
				30	-11.60145	-0.00450	PASS			
				40	-12.81738	-0.00497	PASS			
				50	-16.16478	-0.00627	PASS			
				MCH	VN	-30	-23.28873	-0.00897	PASS	
						-20	-22.28737	-0.00859	PASS	
						-10	-21.97266	-0.00847	PASS	
						0	-21.72947	-0.00837	PASS	
						10	-20.32757	-0.00783	PASS	
		20	-21.81530			-0.00841	PASS			
		30	-20.52784			-0.00791	PASS			
		HCH	VN	40	-19.79828	-0.00763	PASS			
				50	-22.44473	-0.00865	PASS			
				-30	-19.18316	-0.00734	PASS			
				-20	-13.96179	-0.00534	PASS			
				-10	-15.74993	-0.00603	PASS			
				15			0	-16.10756	-0.00617	PASS
							10	-14.84871	-0.00568	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20			20	-14.11915	-0.00540	PASS
					30	-13.89027	-0.00532	PASS
					40	-14.47678	-0.00554	PASS
					50	-11.15799	-0.00427	PASS
			LCH	VN	-30	-11.97338	-0.00464	PASS
					-20	-13.81874	-0.00536	PASS
					-10	-13.97610	-0.00542	PASS
					0	-11.68728	-0.00453	PASS
					10	-14.10484	-0.00547	PASS
					20	-12.83169	-0.00497	PASS
					30	-10.39982	-0.00403	PASS
					40	-13.04626	-0.00506	PASS
			MCH	VN	50	-12.33101	-0.00478	PASS
					-30	-21.54350	-0.00830	PASS
					-20	-21.55781	-0.00831	PASS
					-10	-20.32757	-0.00783	PASS
		0			-19.15455	-0.00738	PASS	
		10			-17.80987	-0.00686	PASS	
		20			-19.55509	-0.00754	PASS	
		30			-16.95156	-0.00653	PASS	
		HCH	VN	40	-16.98017	-0.00654	PASS	
				50	-19.65523	-0.00757	PASS	
				-30	-21.82961	-0.00836	PASS	
				-20	-18.26763	-0.00700	PASS	
				-10	-17.91000	-0.00686	PASS	
				0	-20.95699	-0.00803	PASS	
				10	-20.19882	-0.00774	PASS	
				20	-18.95428	-0.00726	PASS	
		30	-16.59393	-0.00636	PASS			
		40	-19.76967	-0.00757	PASS			
		50	-18.73970	-0.00718	PASS			

END