



5.1.1.2.3.2.3 Test RB = RB12#6





5.1.1.2.3.2.4 Test RB = RB25#0

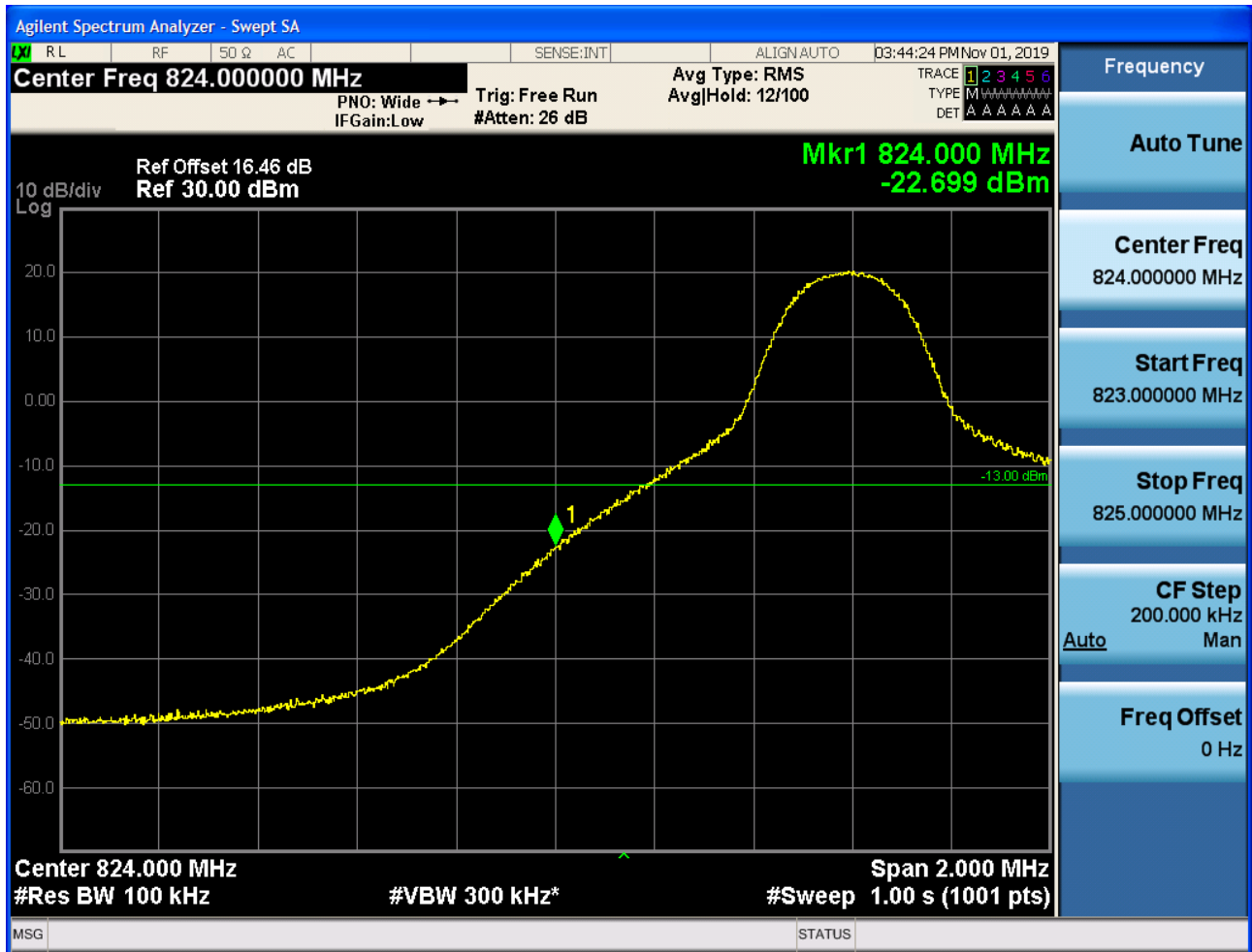




5.1.1.2.4 Test Bandwidth = 10

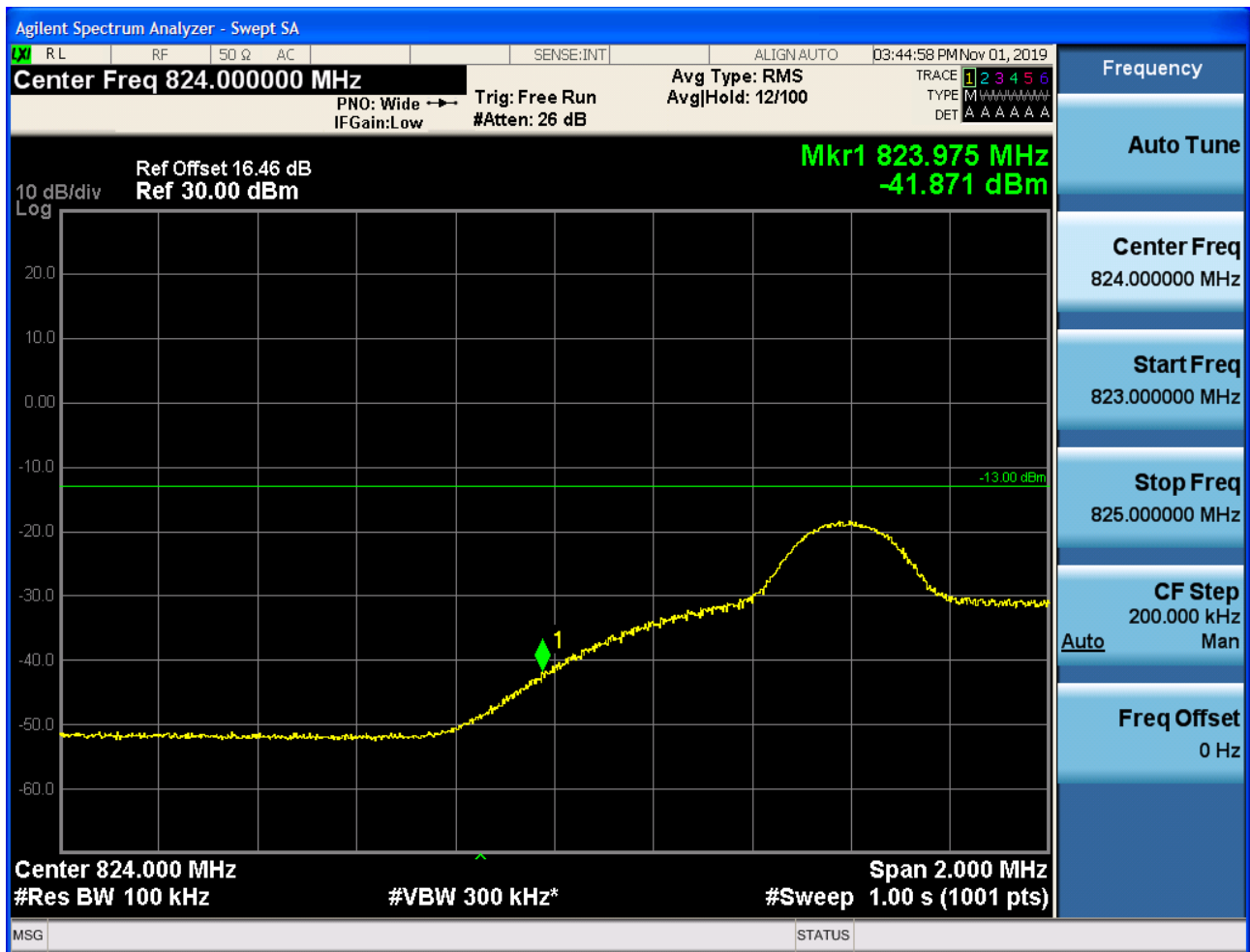
5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0



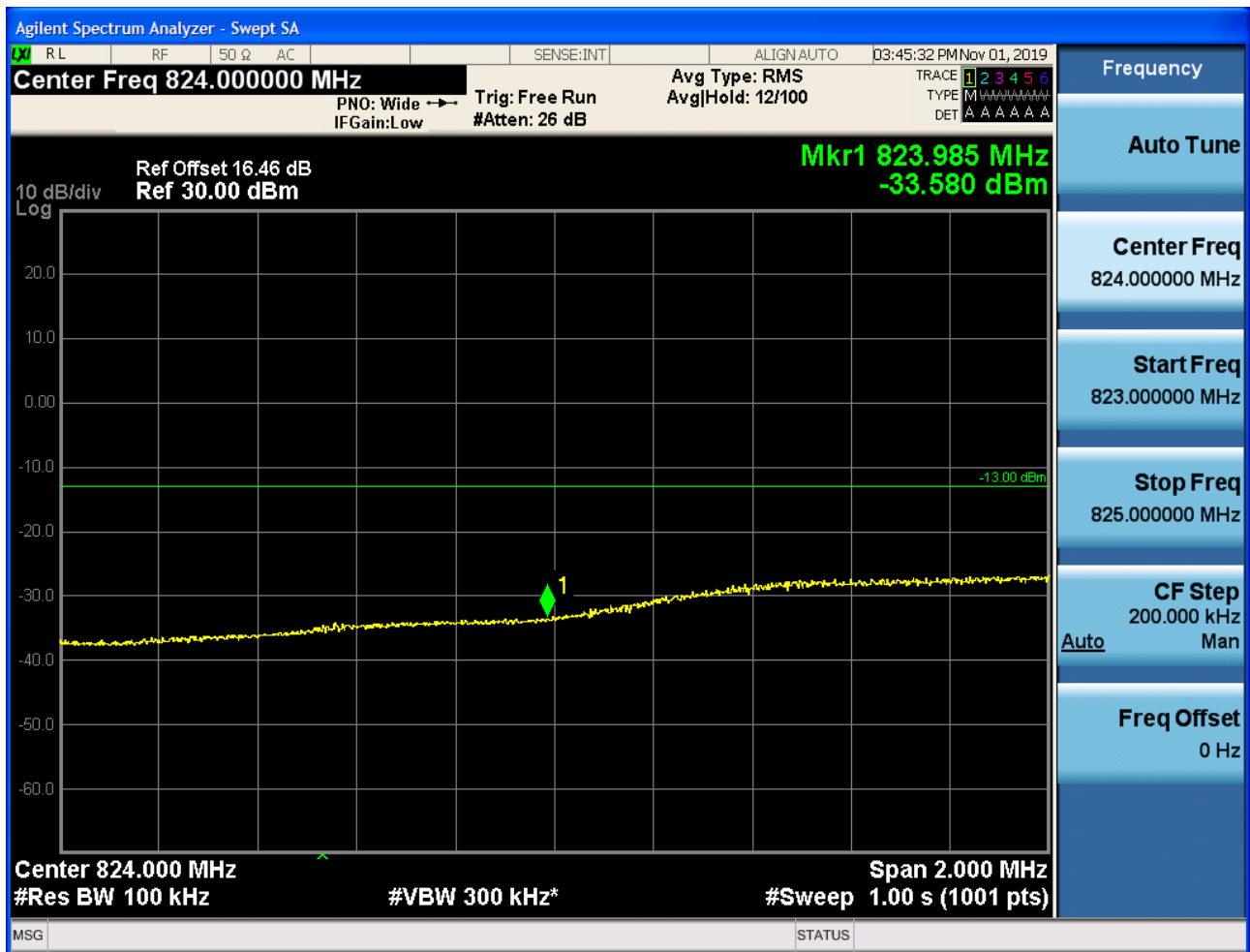


5.1.1.2.4.1.2 Test RB = RB1#49





5.1.1.2.4.1.3 Test RB = RB25#13





5.1.1.2.4.1.4 Test RB = RB50#0





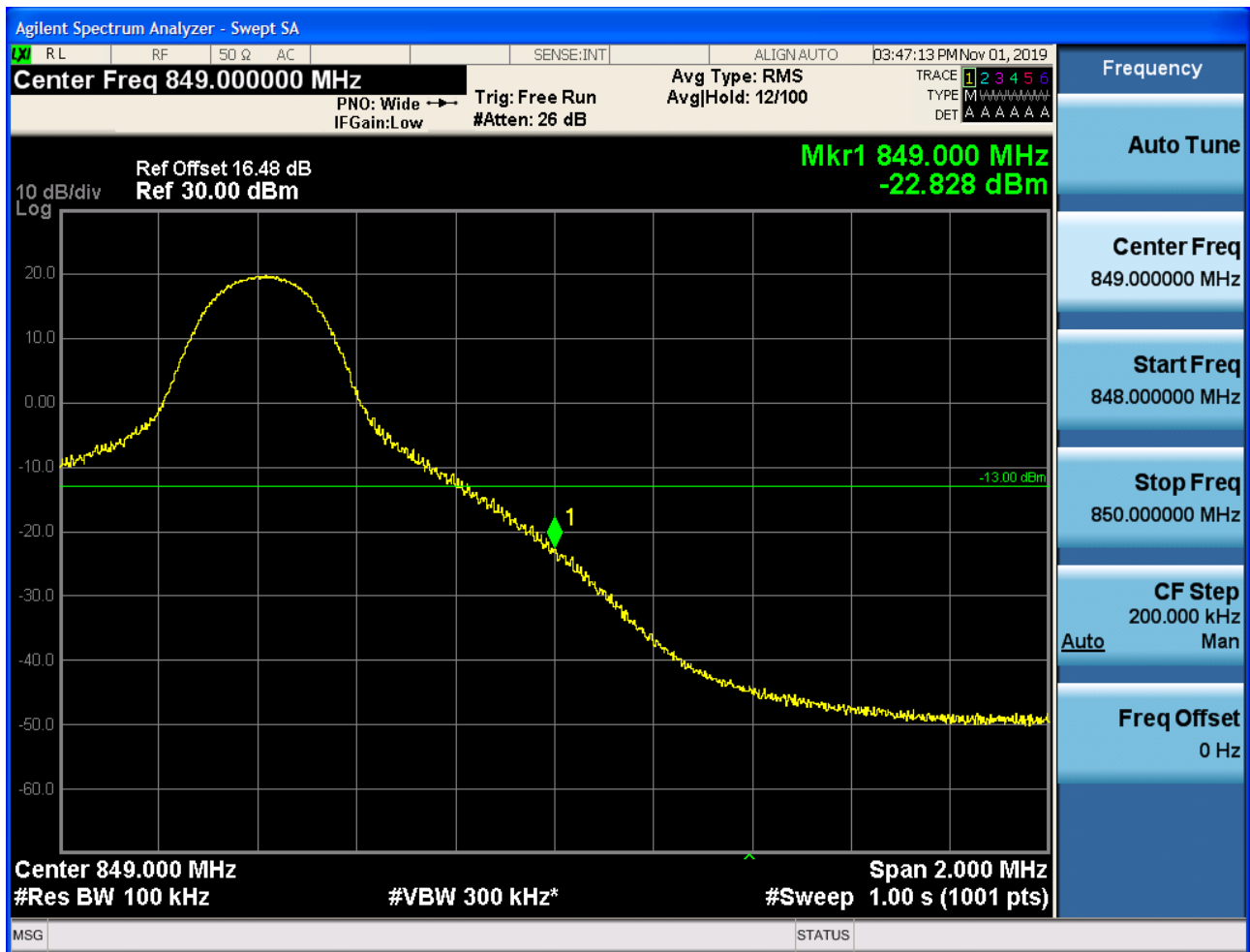
5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0





5.1.1.2.4.2.2 Test RB = RB1#49





5.1.1.2.4.2.3 Test RB = RB25#13





5.1.1.2.4.2.4 Test RB = RB50#0



6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

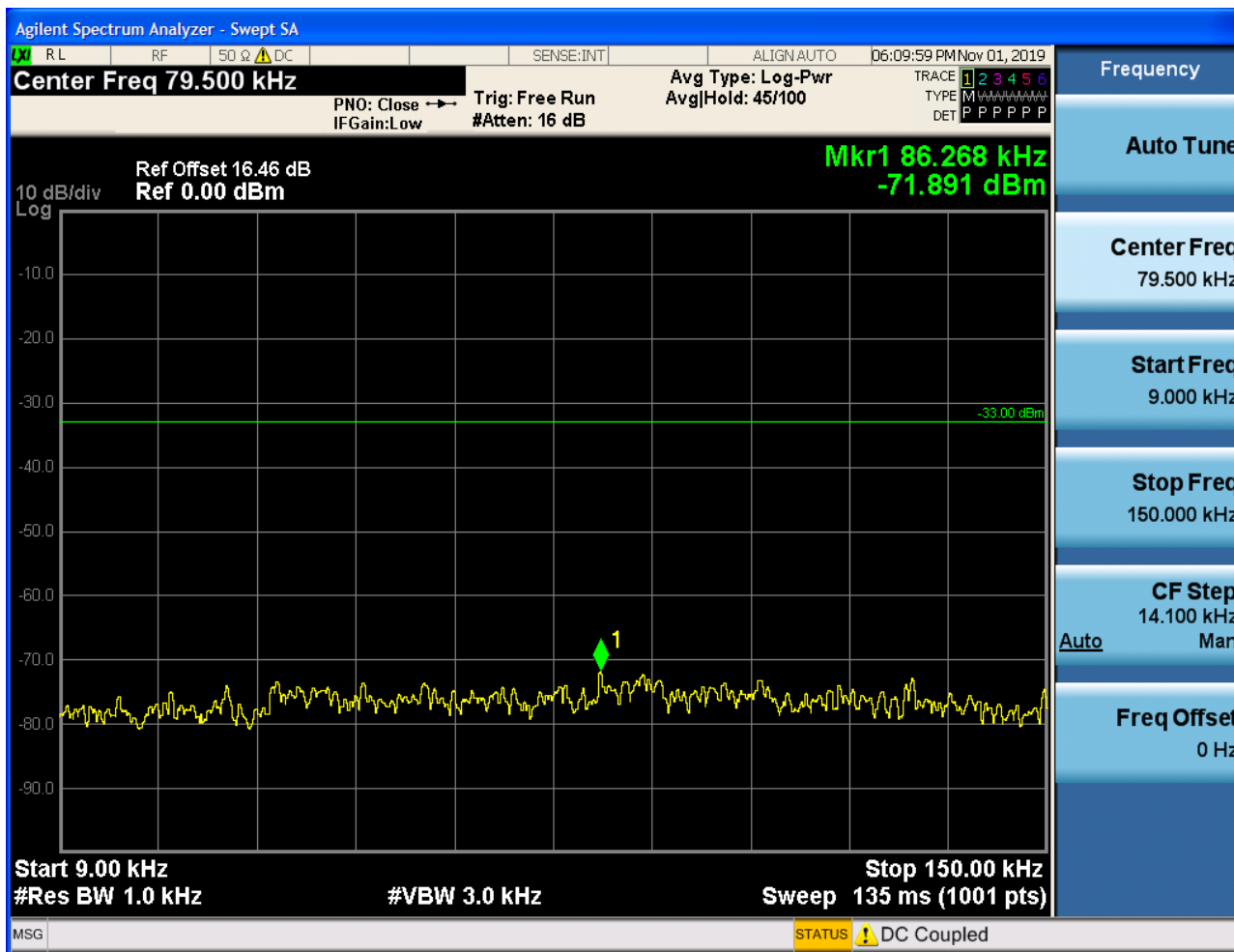
6.1.1 Test Band = Band5

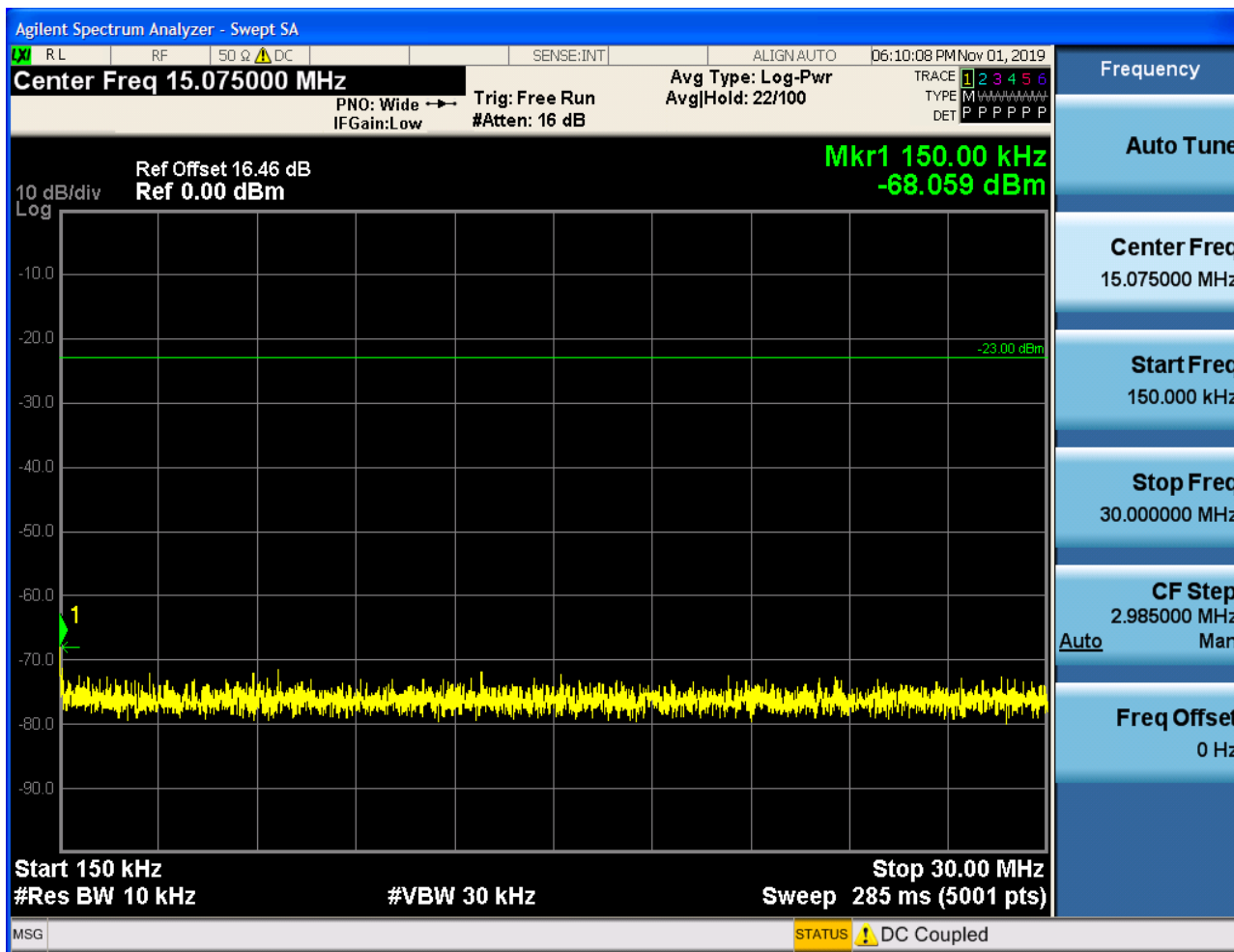
6.1.1.1 Test Mode = LTE/TM1

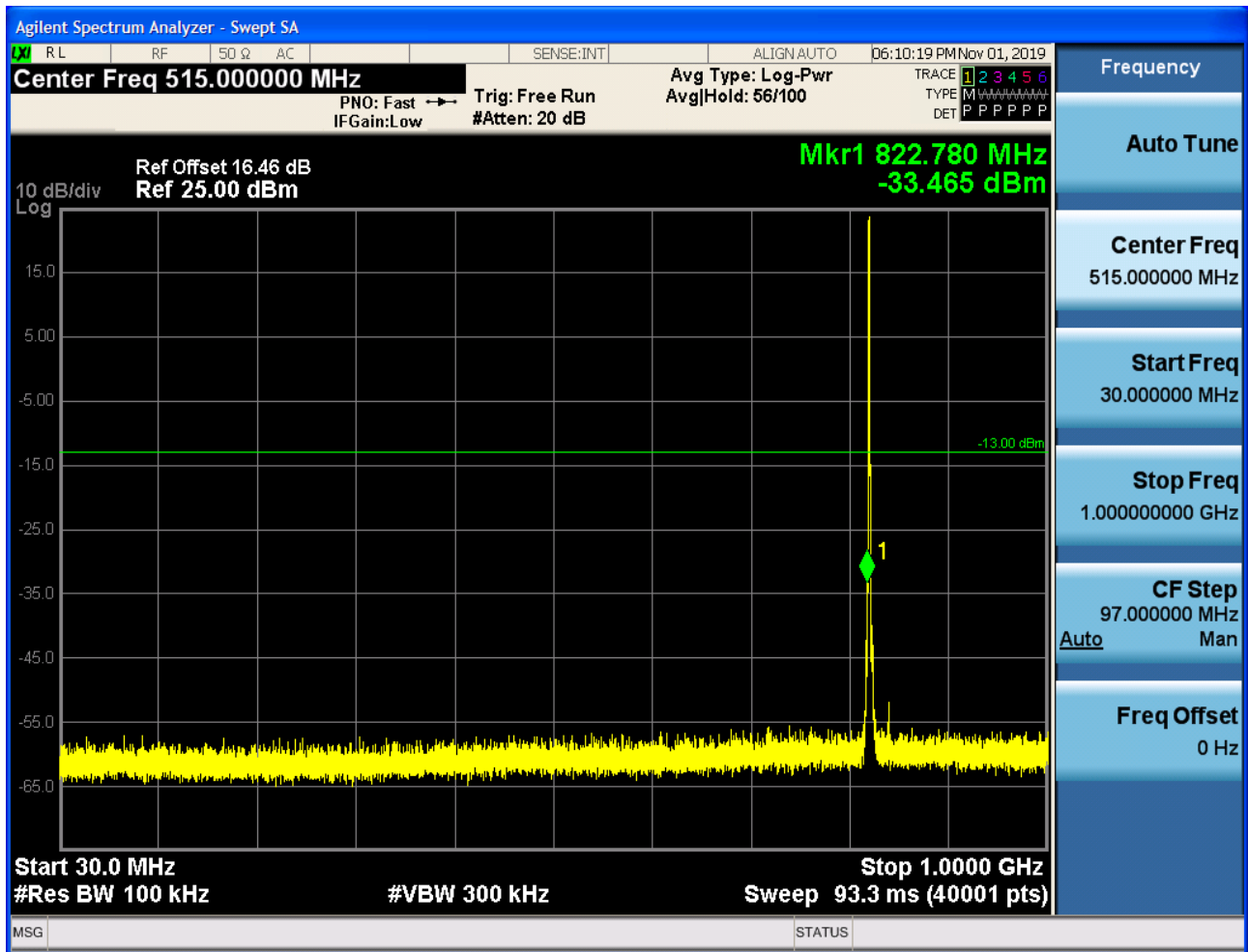
6.1.1.1.1 Test Bandwidth = 1.4

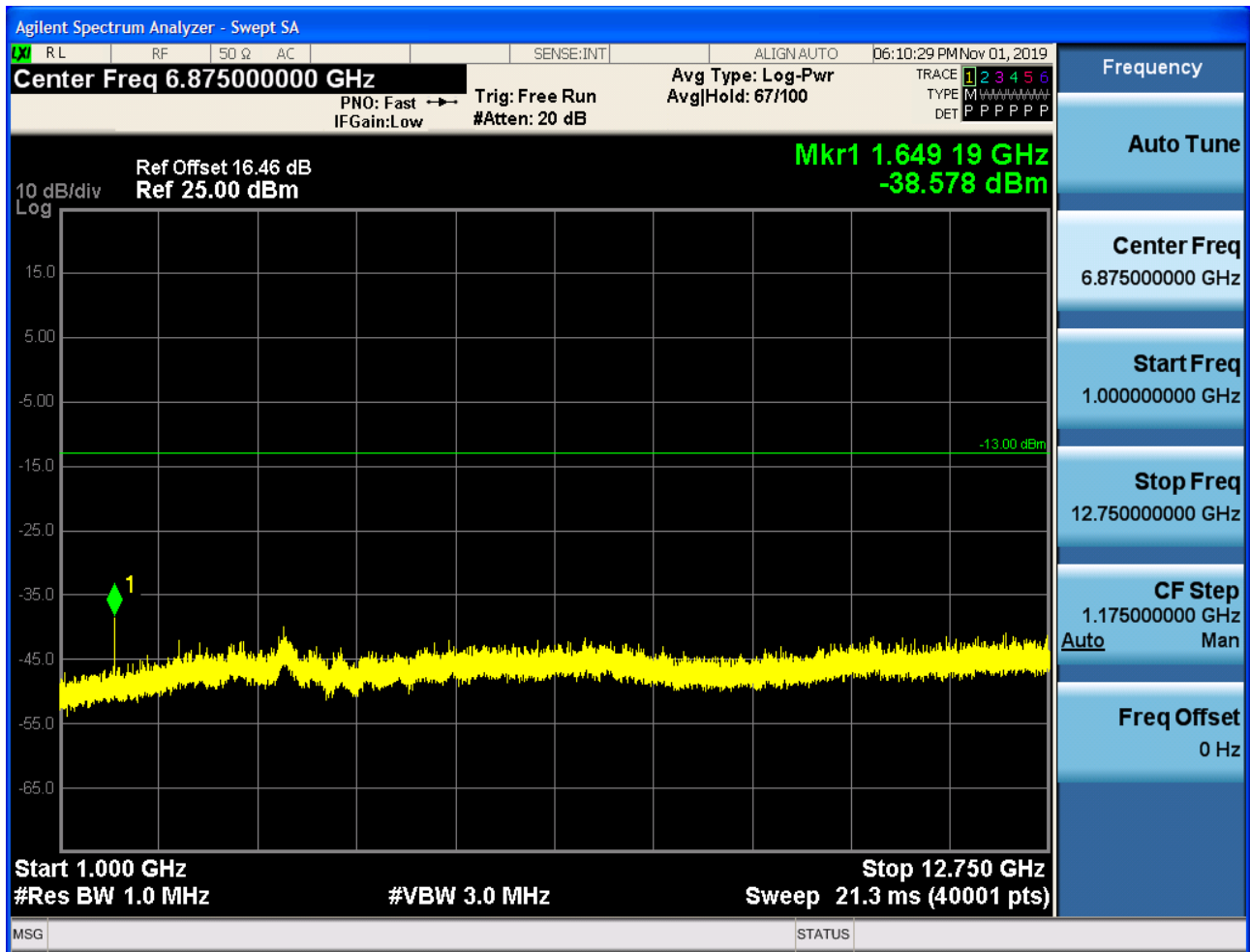
6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0



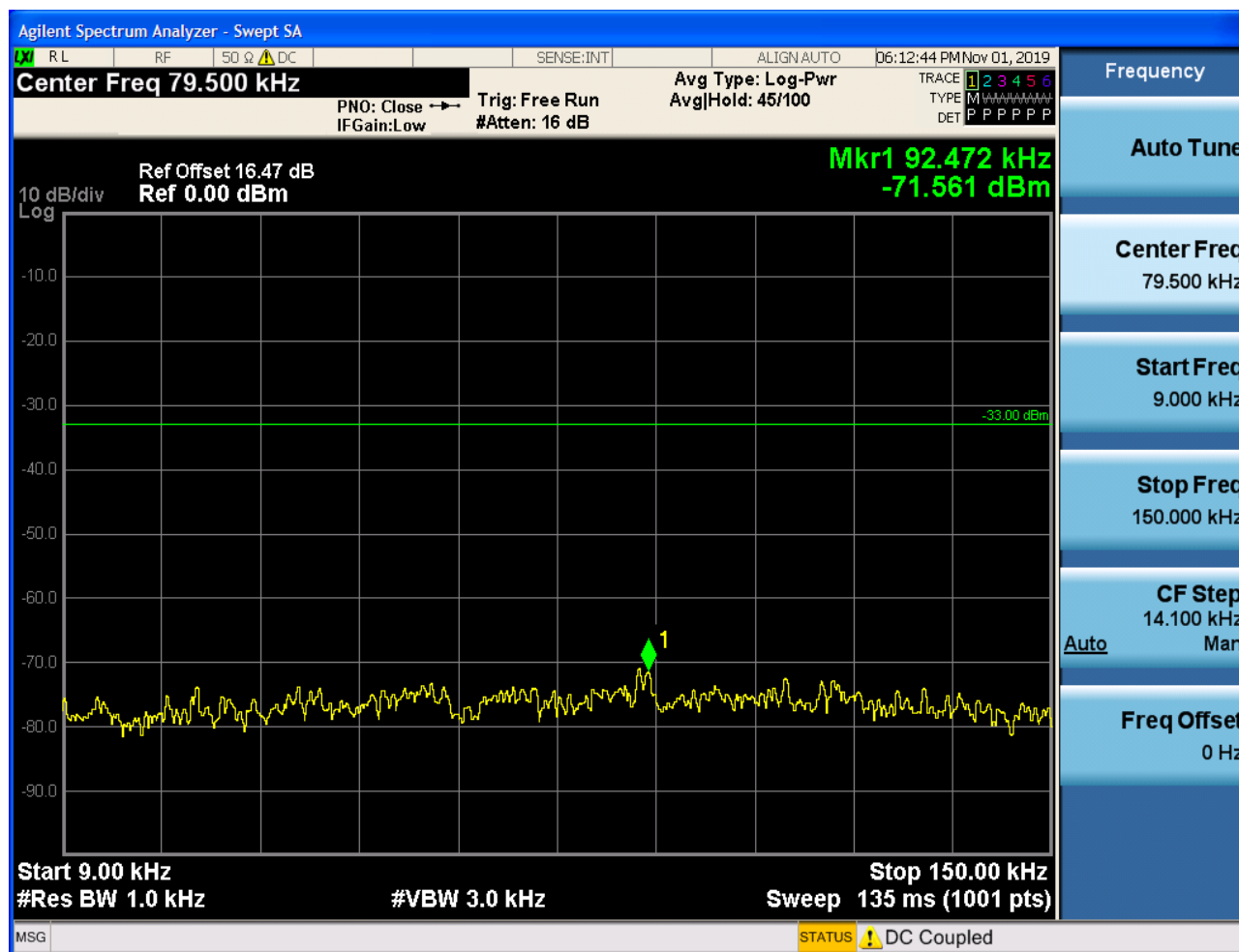


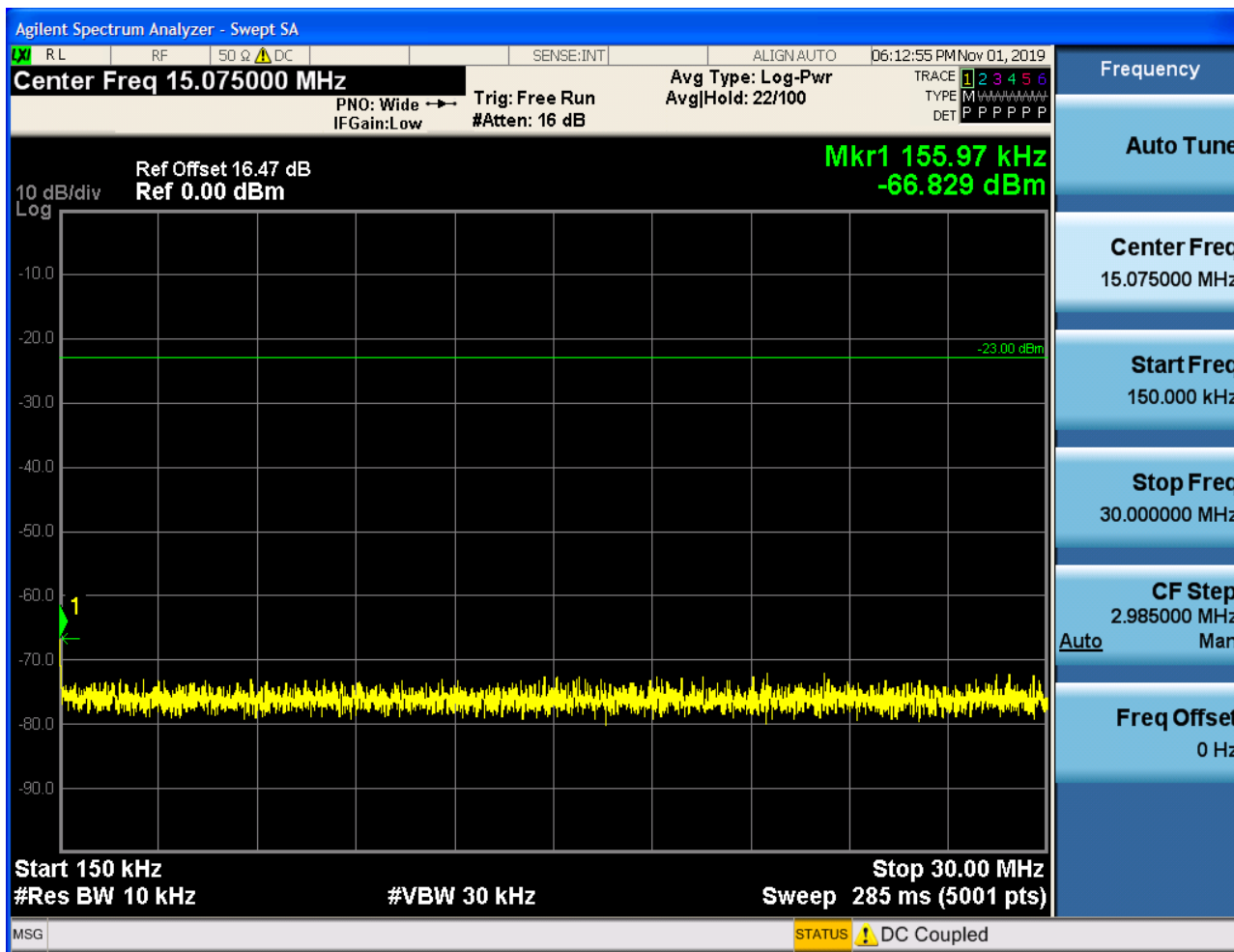


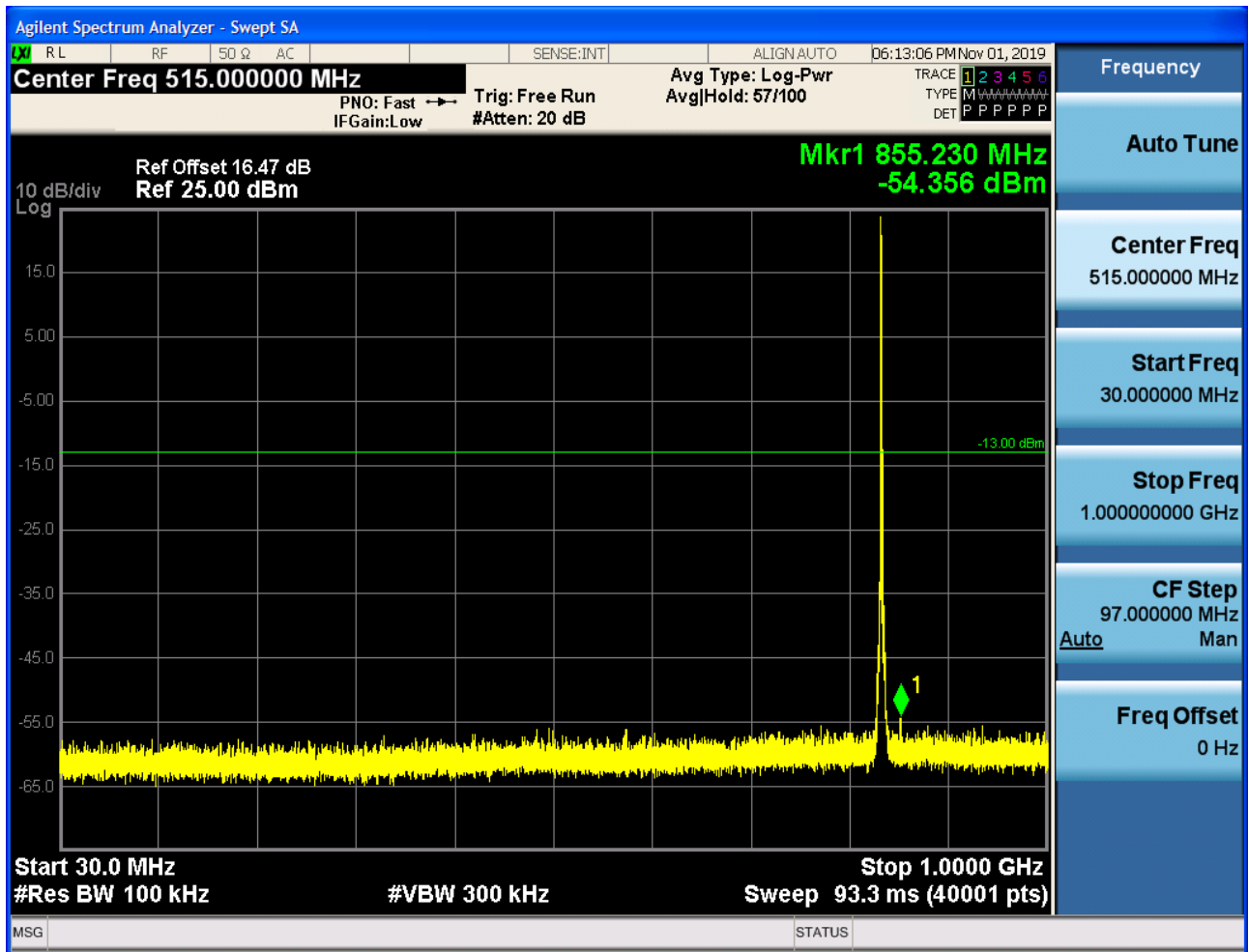


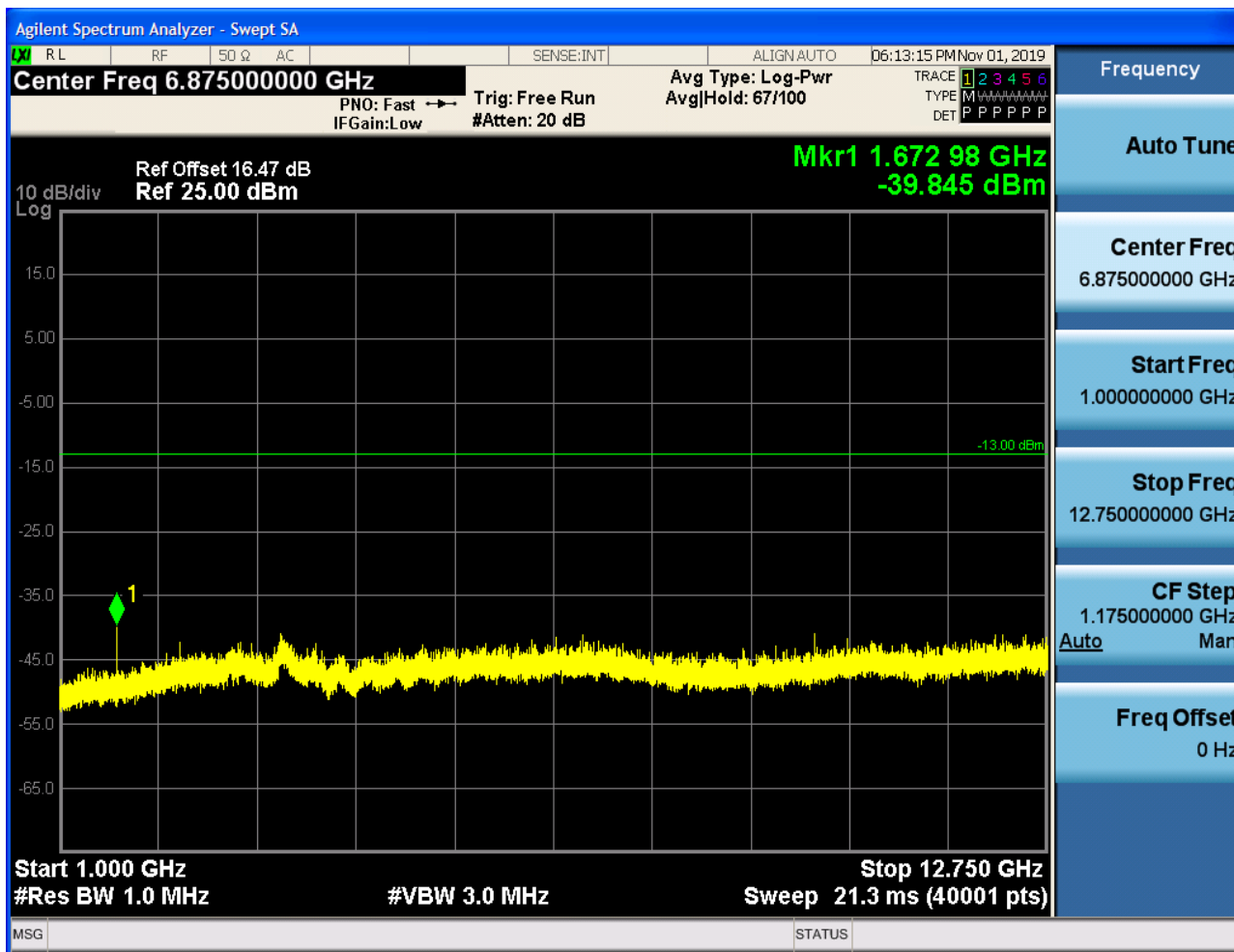
6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



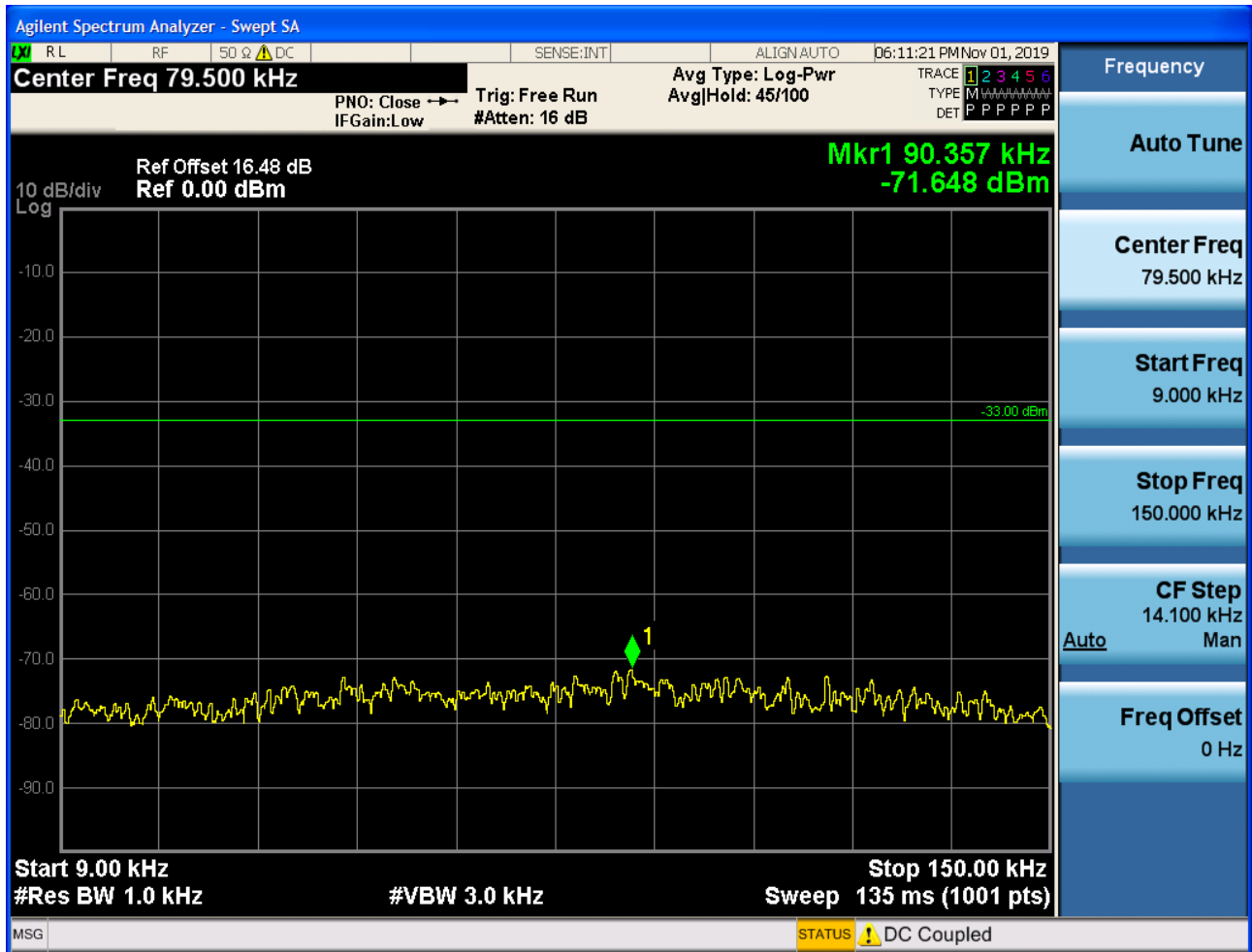


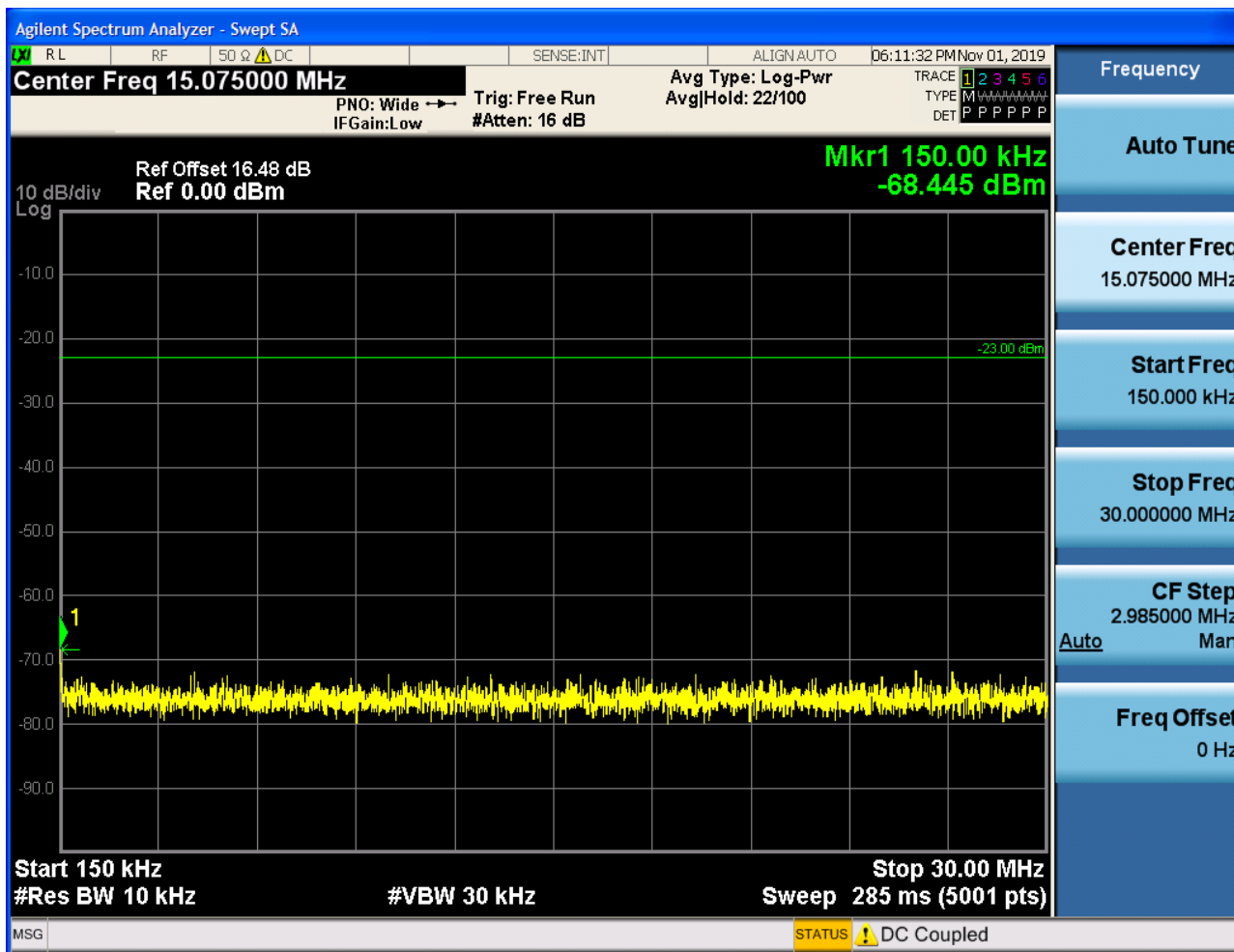


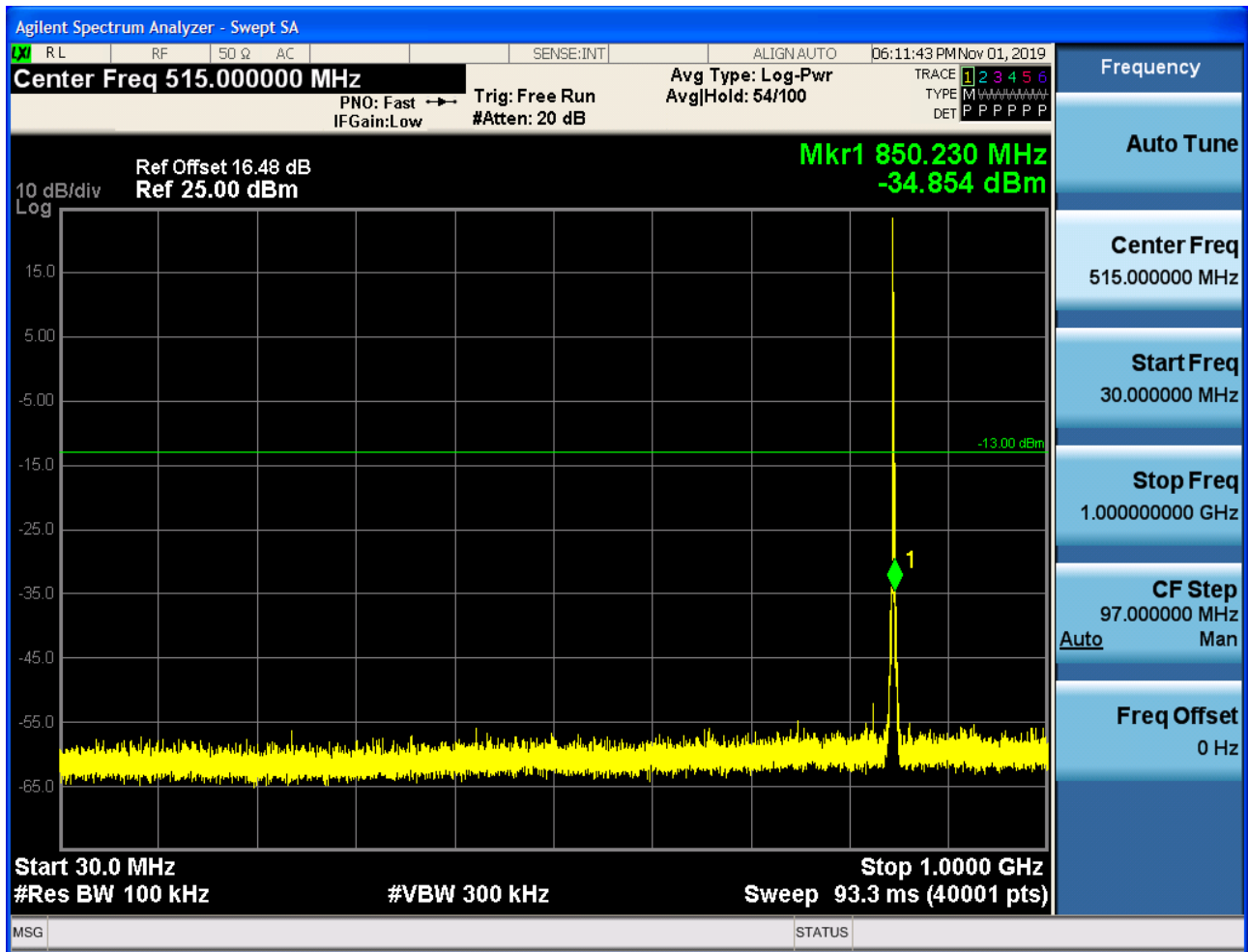


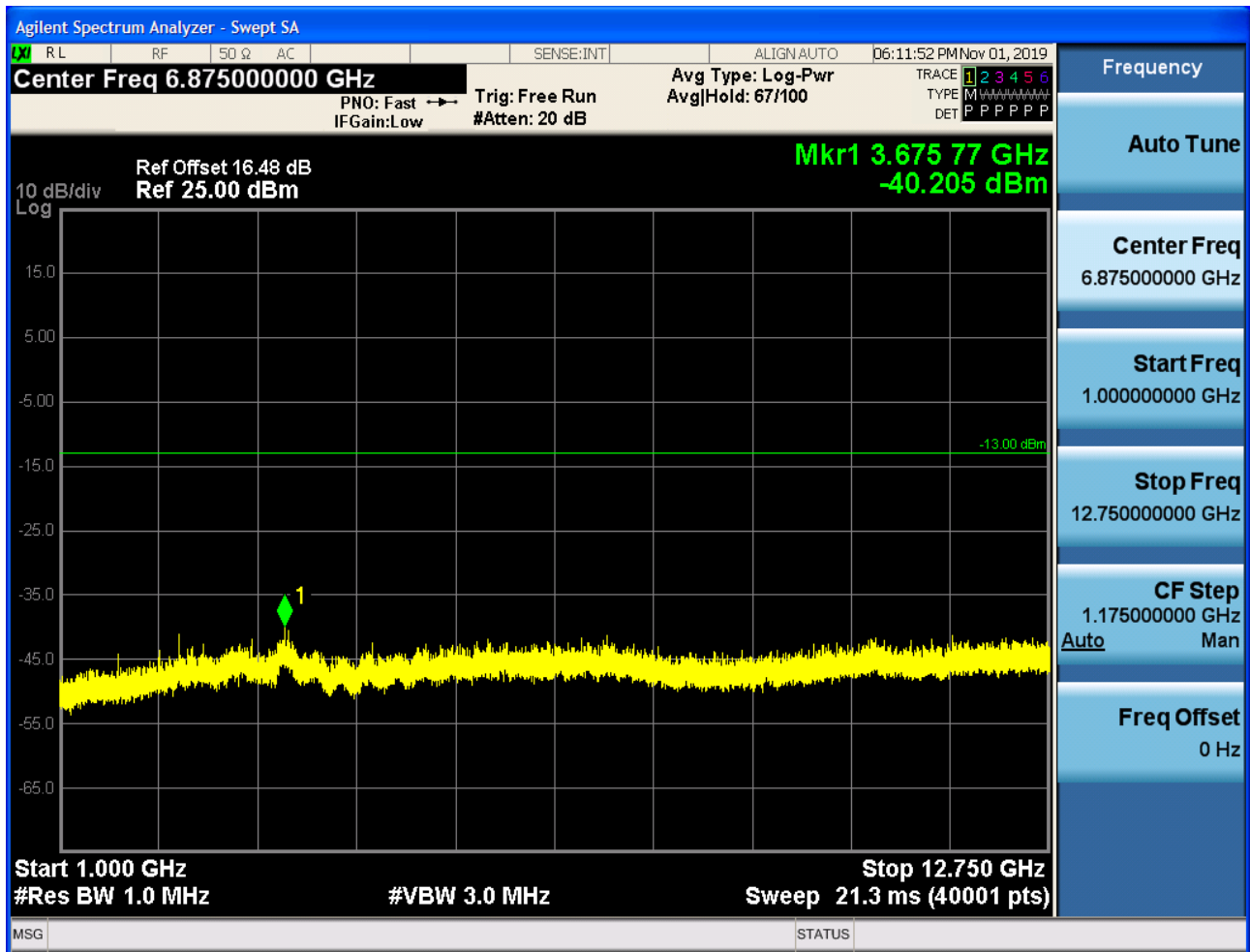
6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





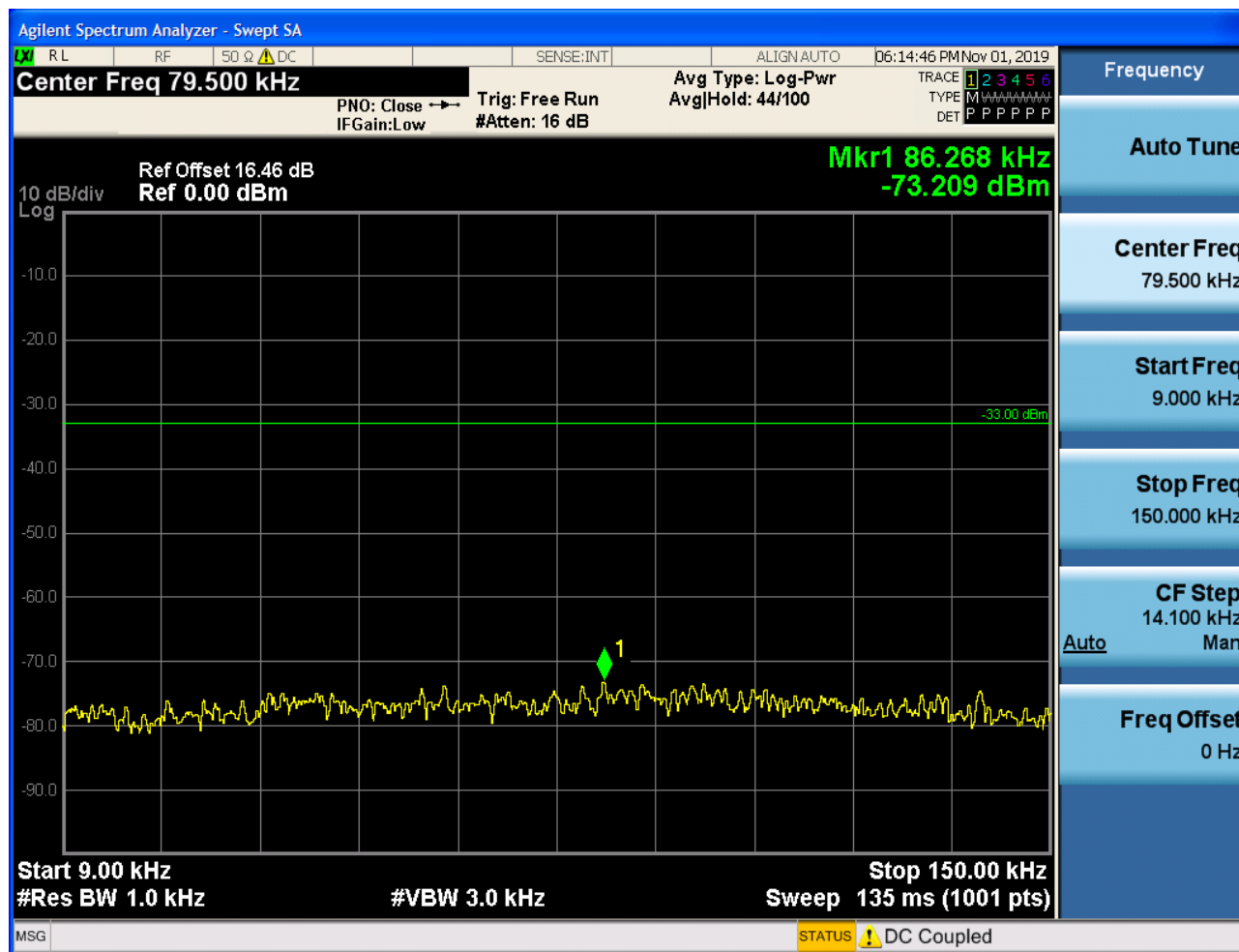


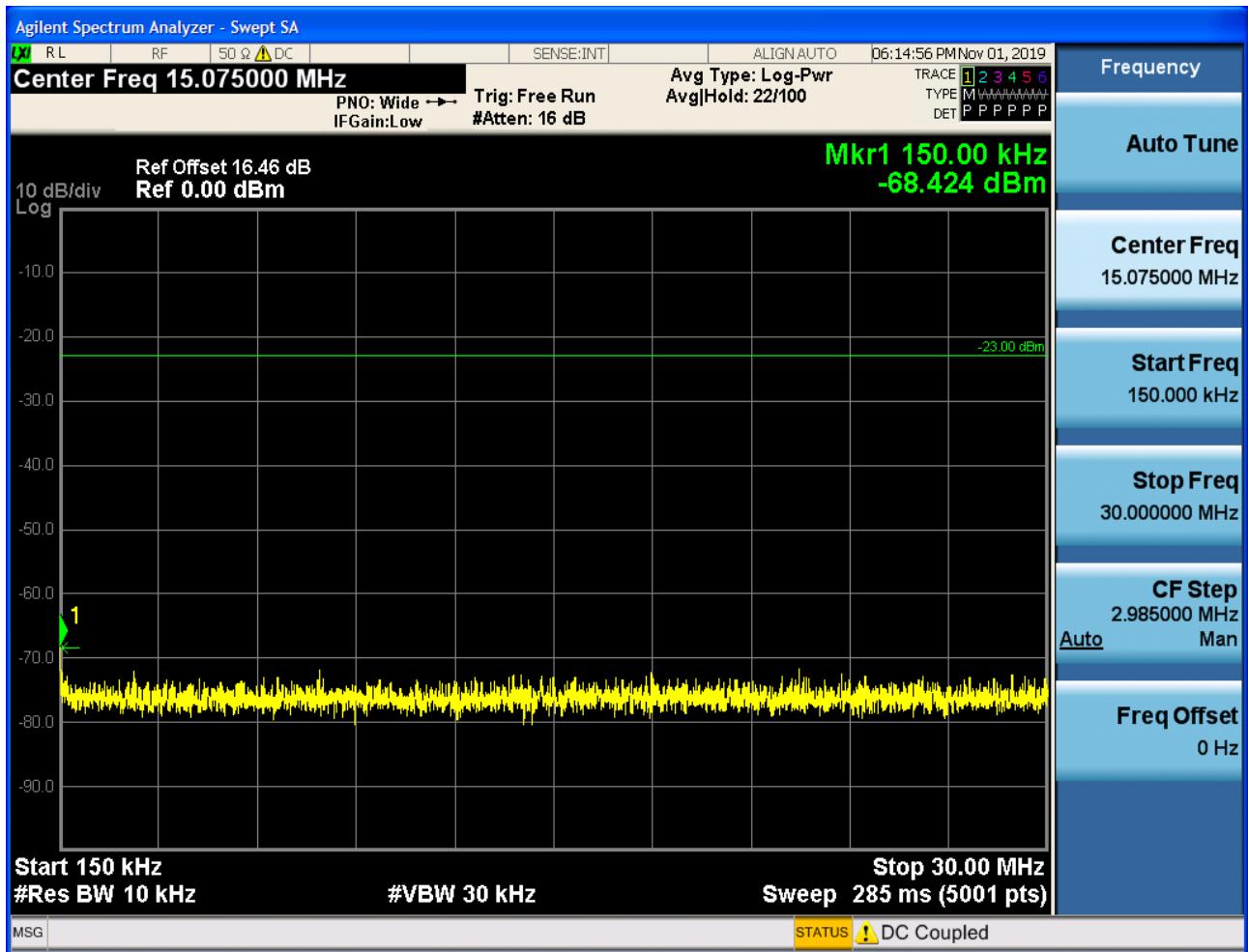


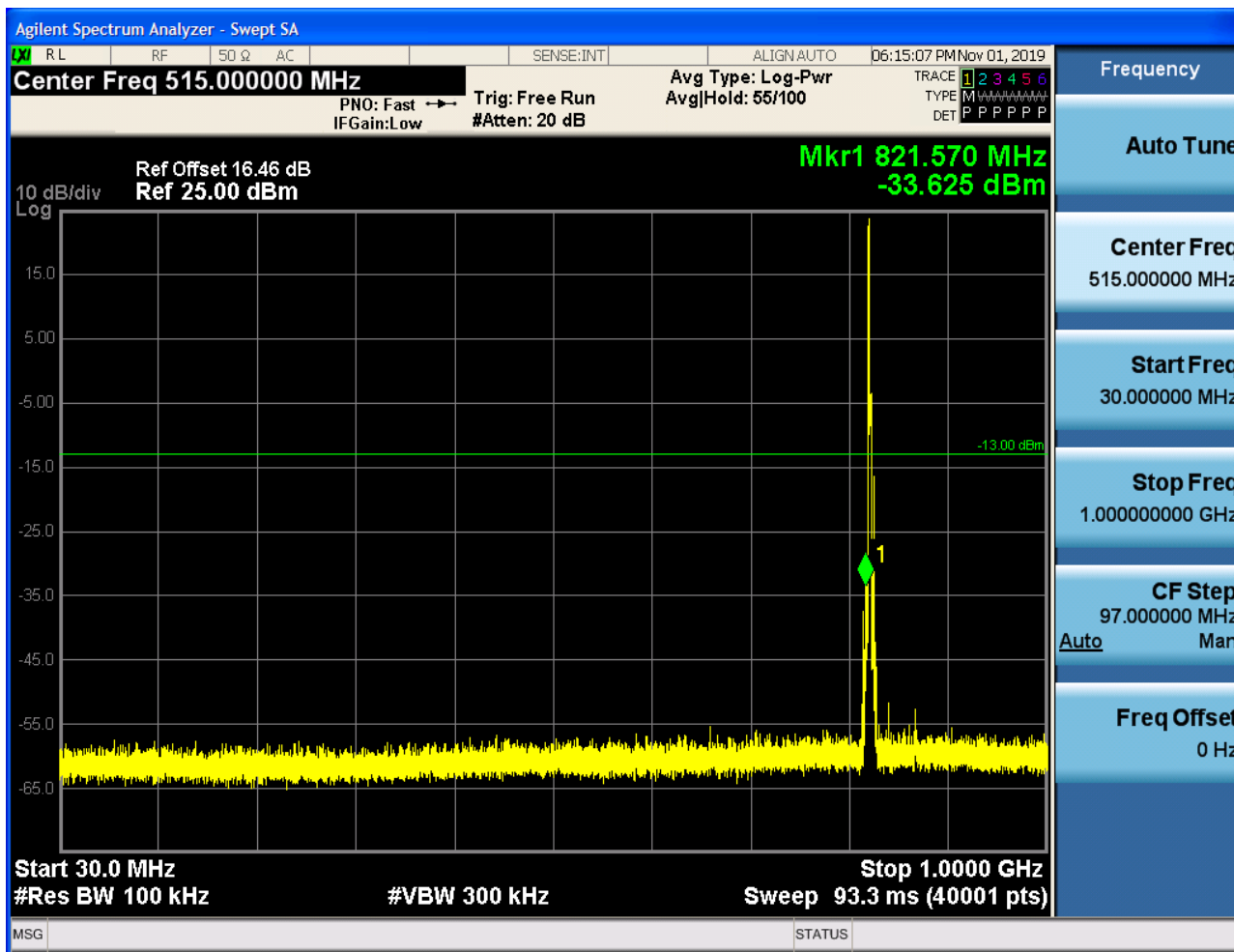
6.2.1.1.2 Test Bandwidth = 3

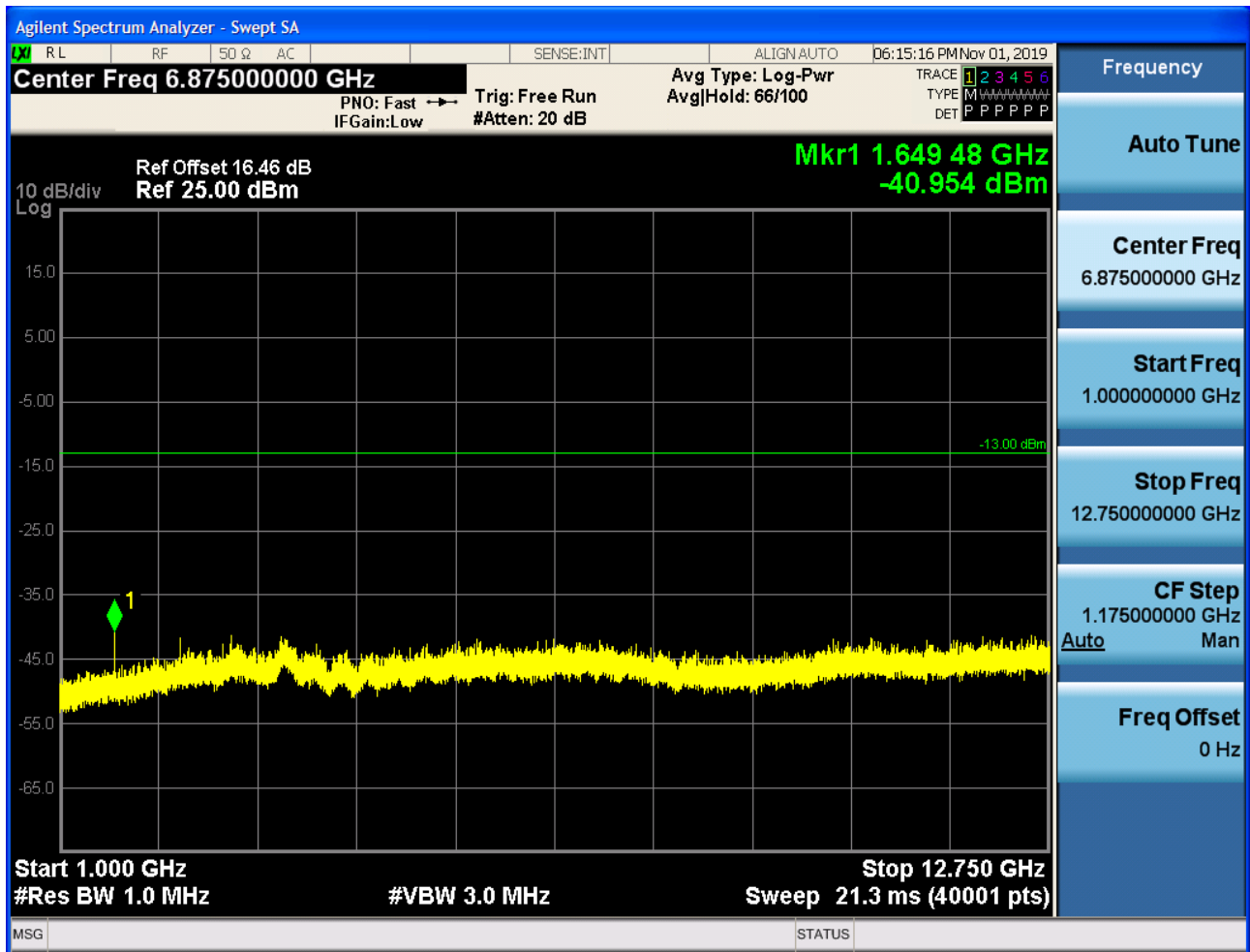
6.2.1.1.2.1 Test Channel = LCH

6.2.1.1.2.1.1 Test RB = RB1#0





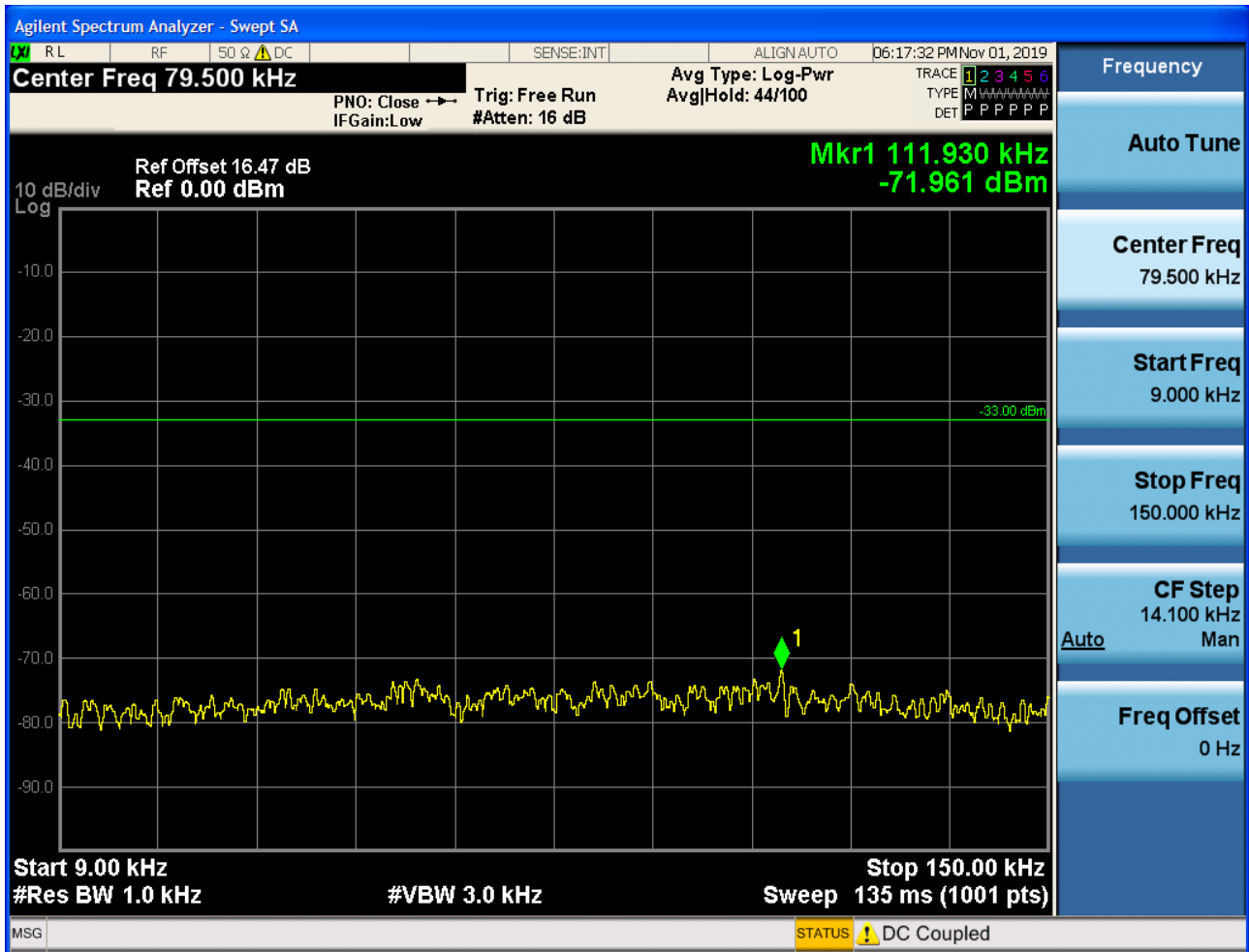


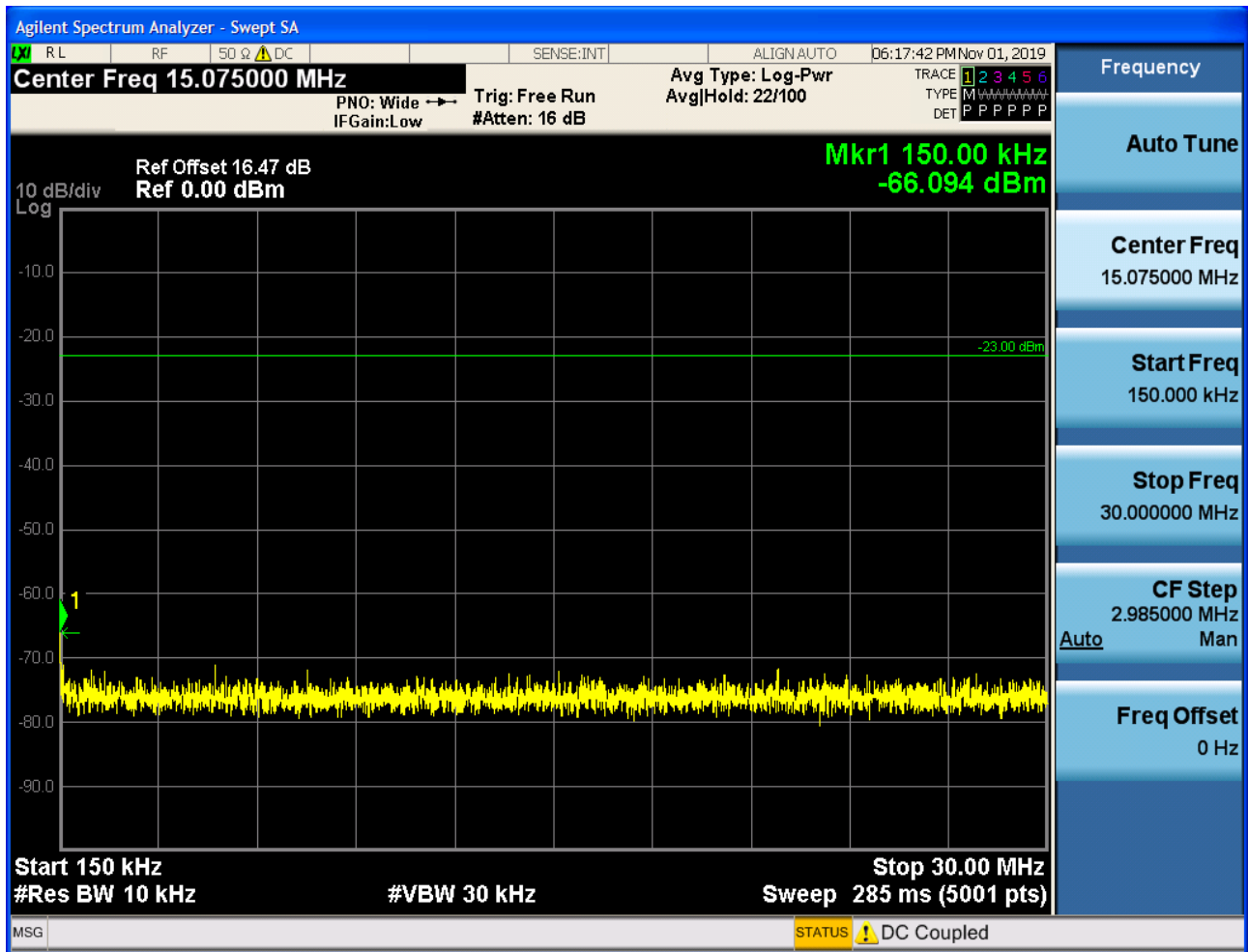


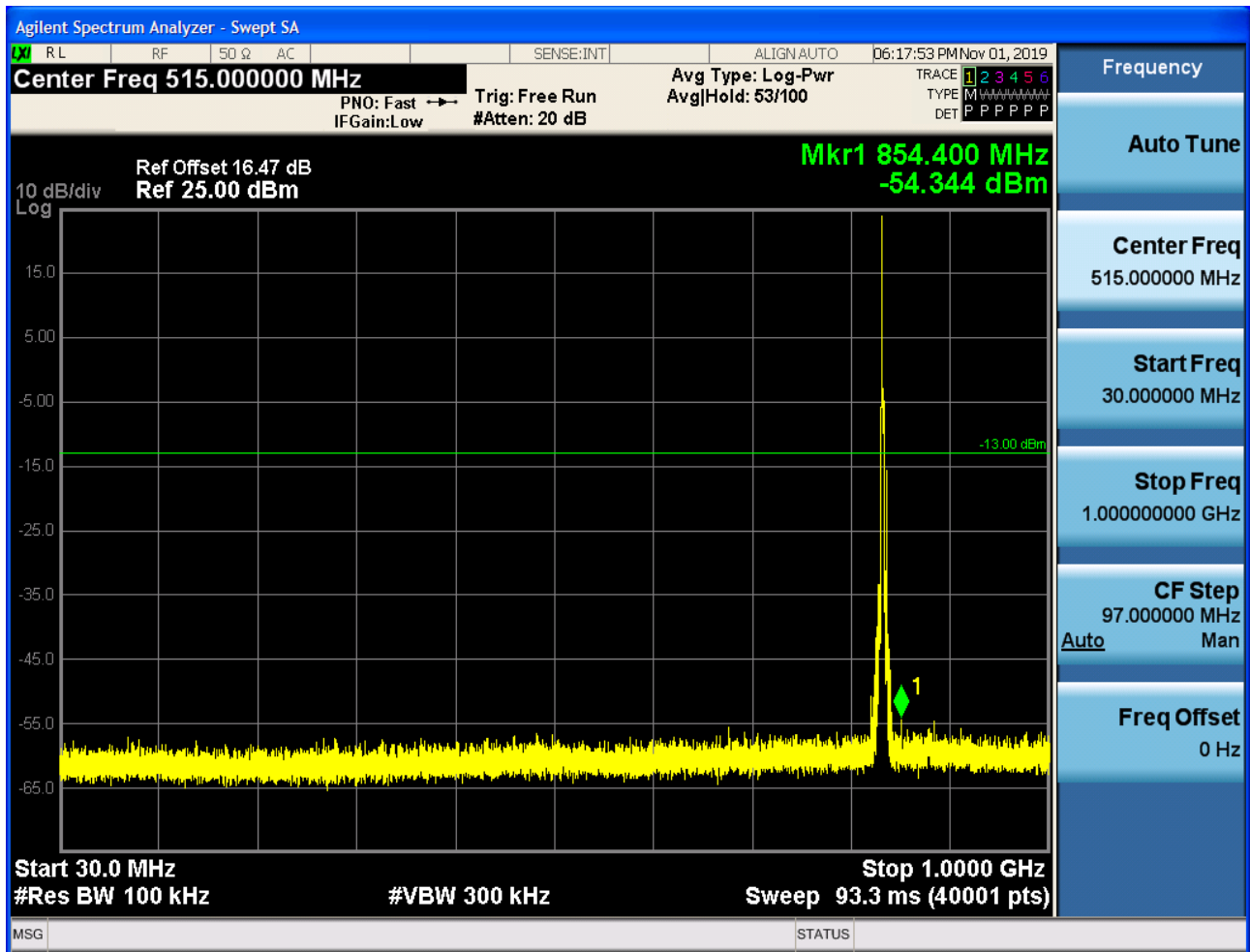


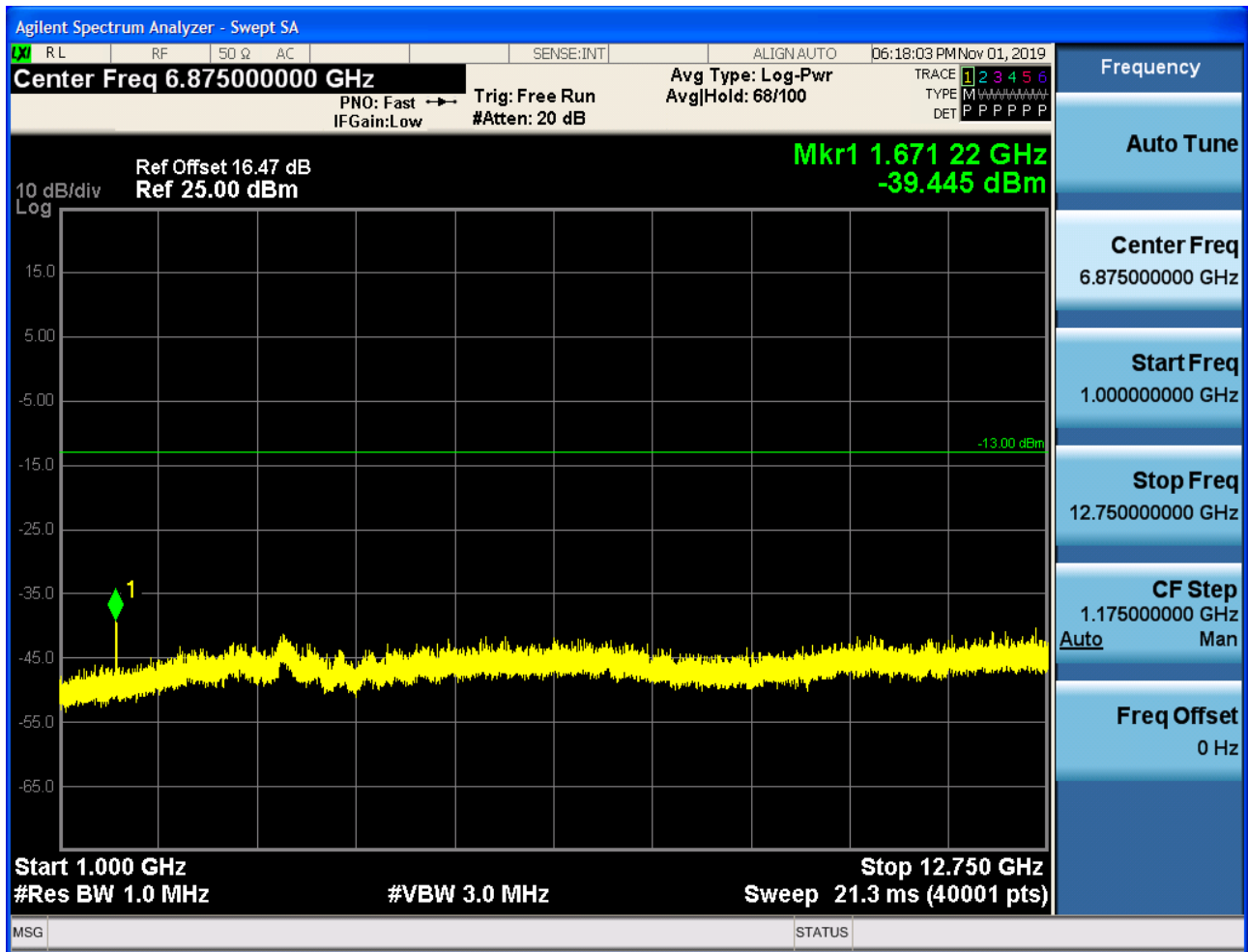
6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0





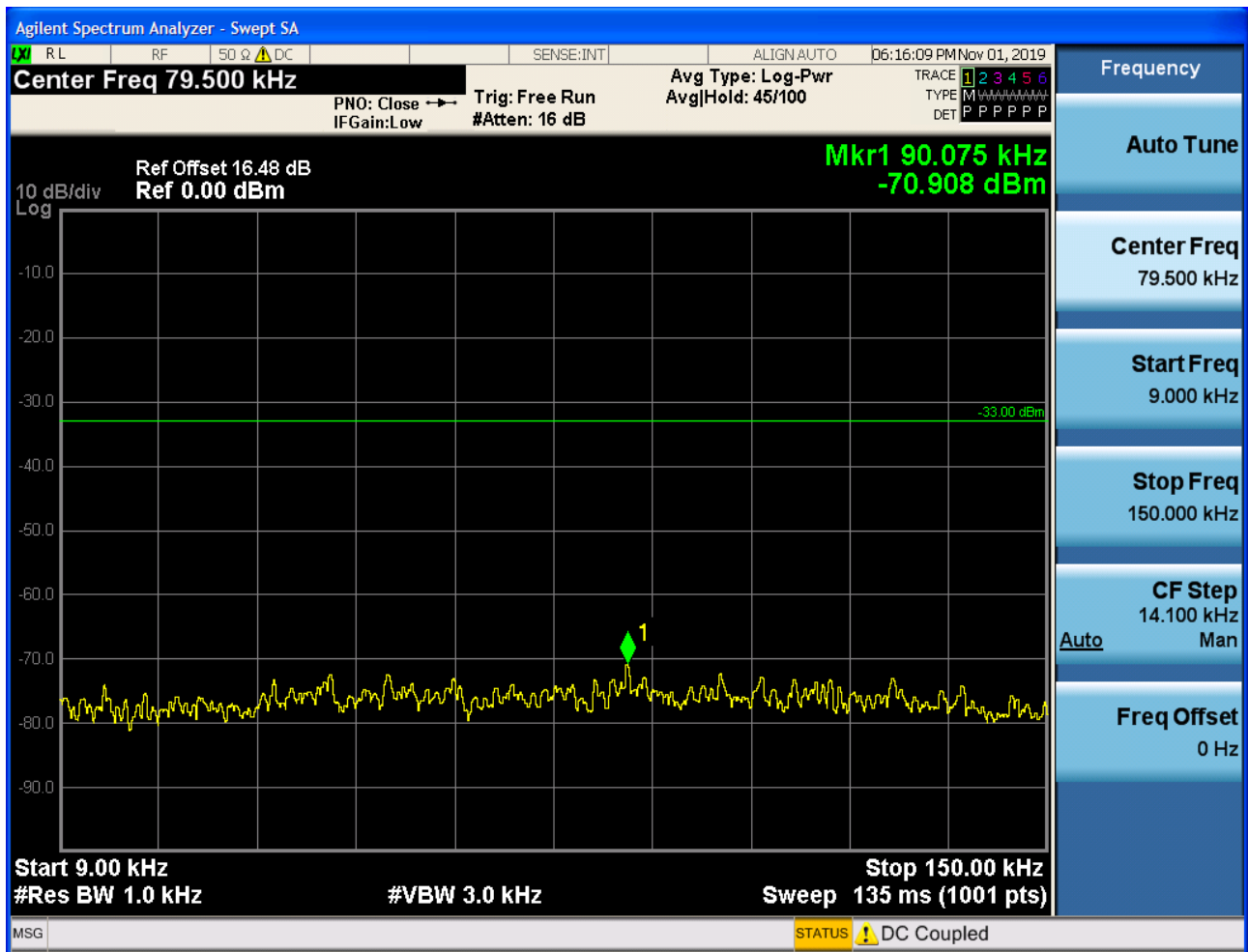


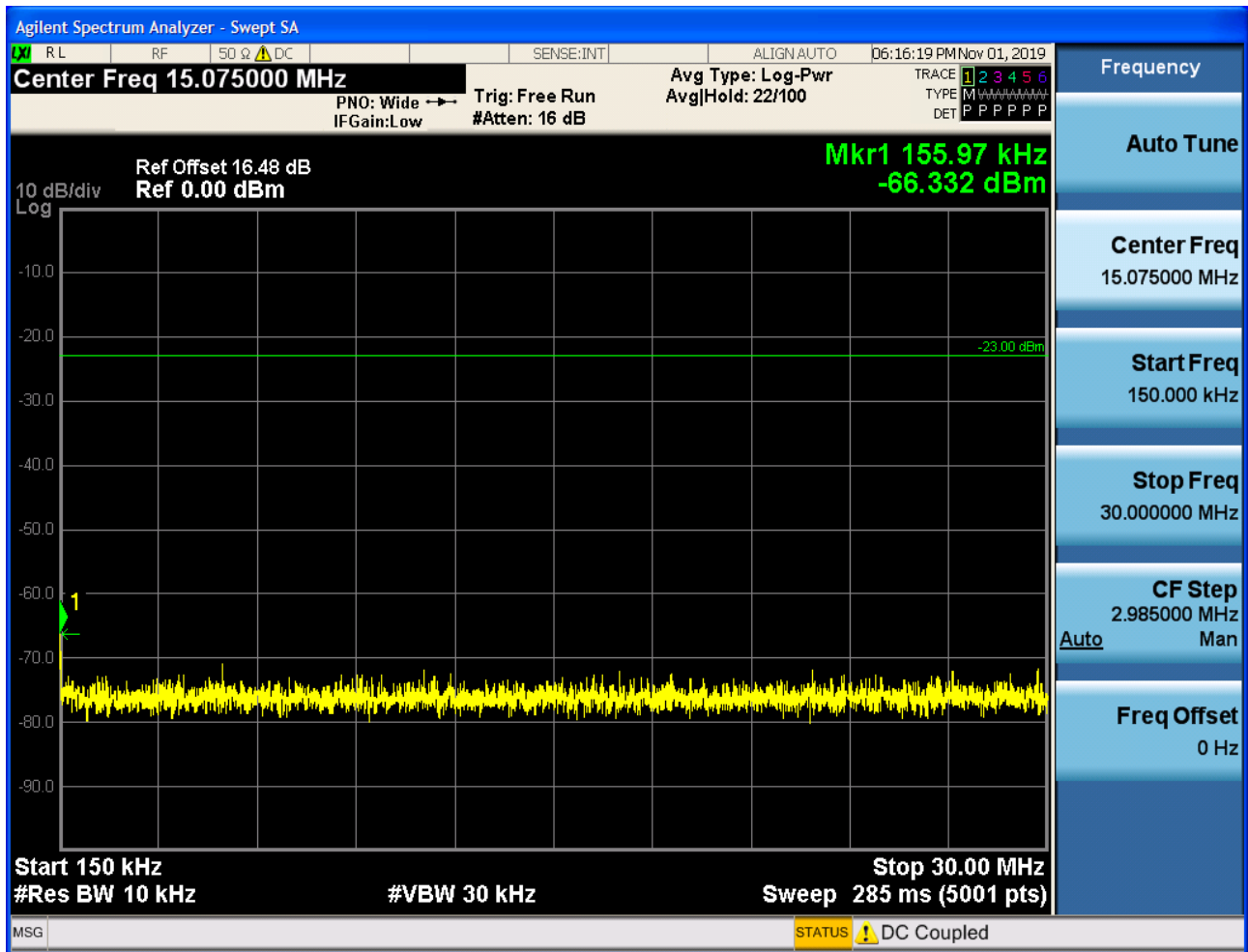


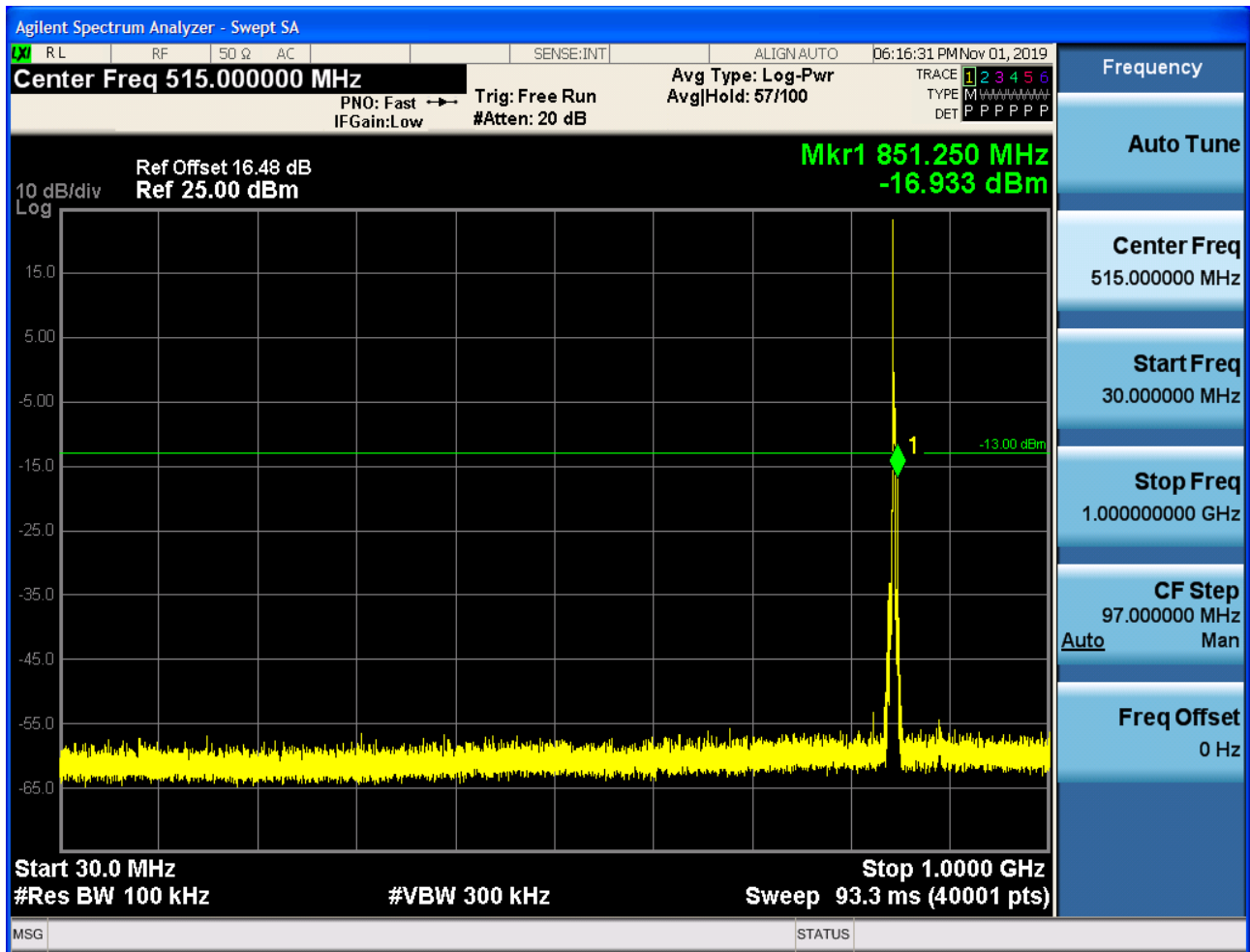


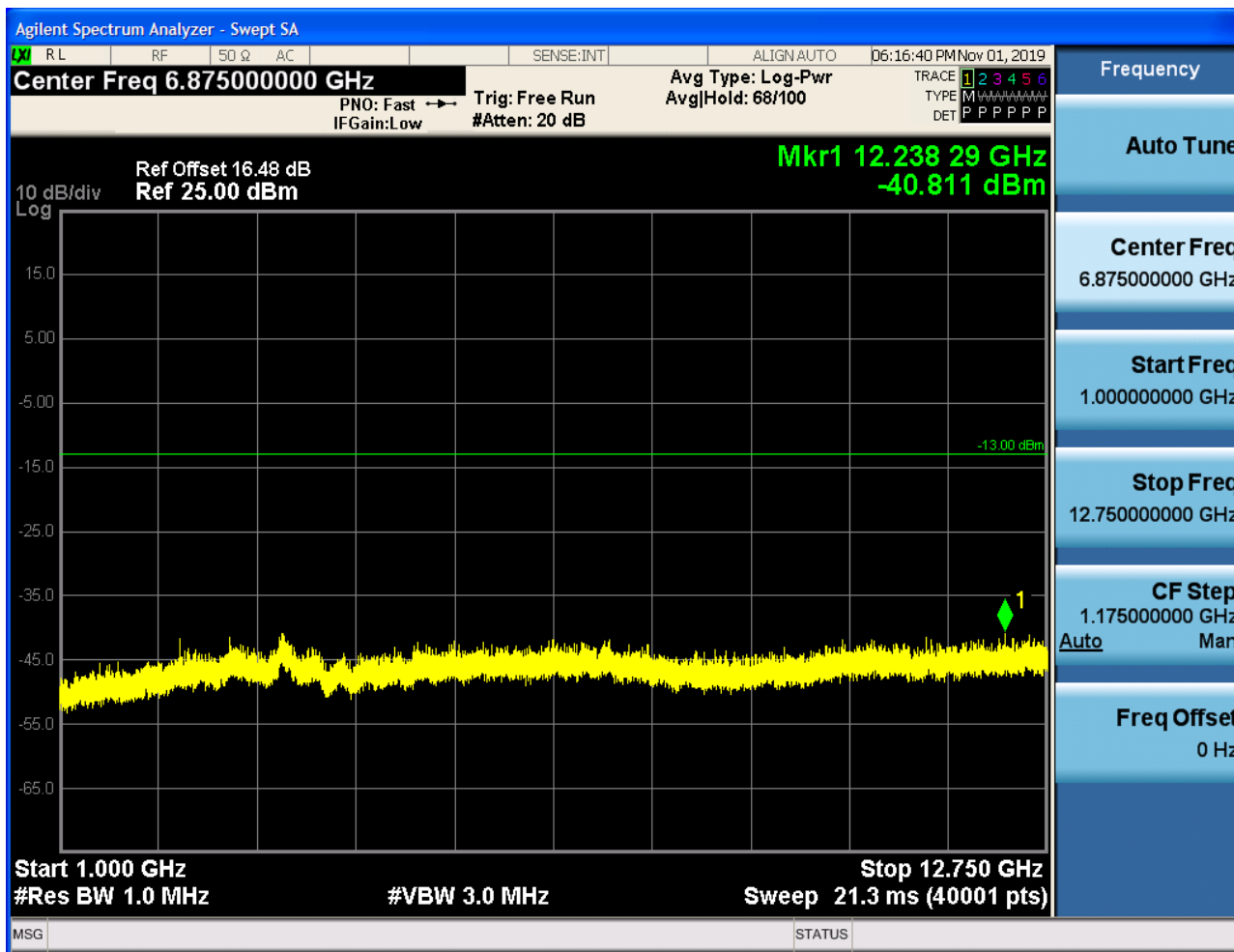
6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0





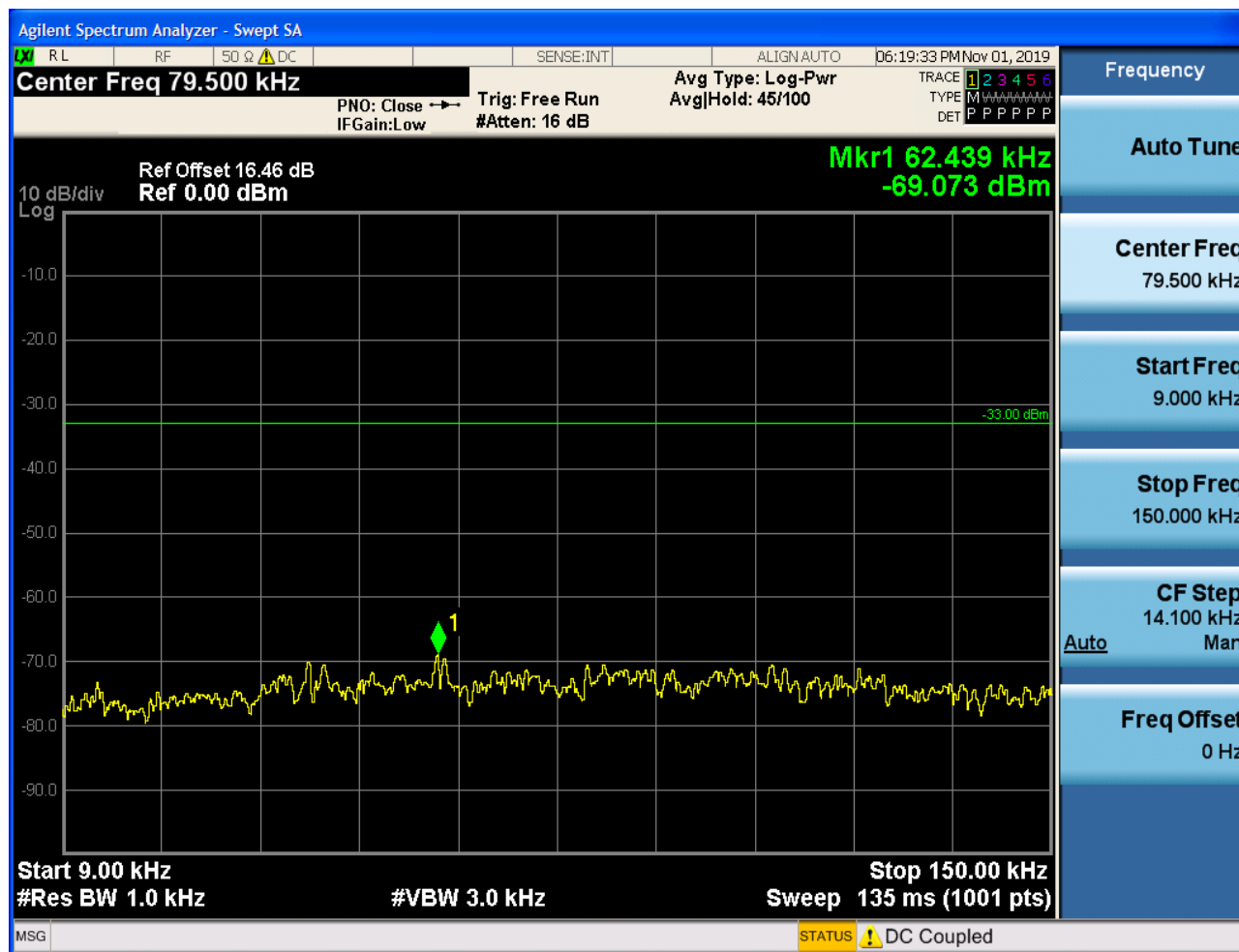


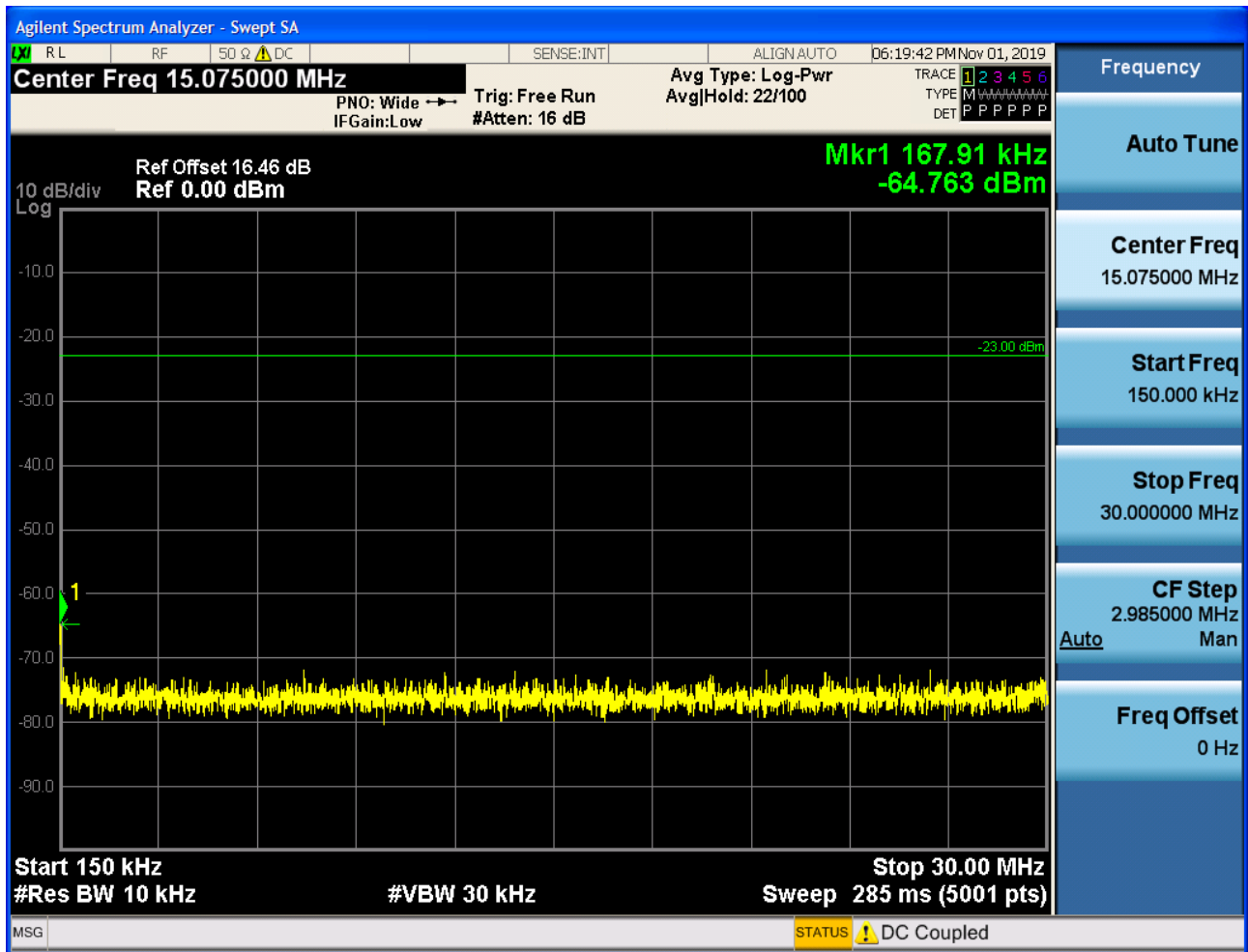


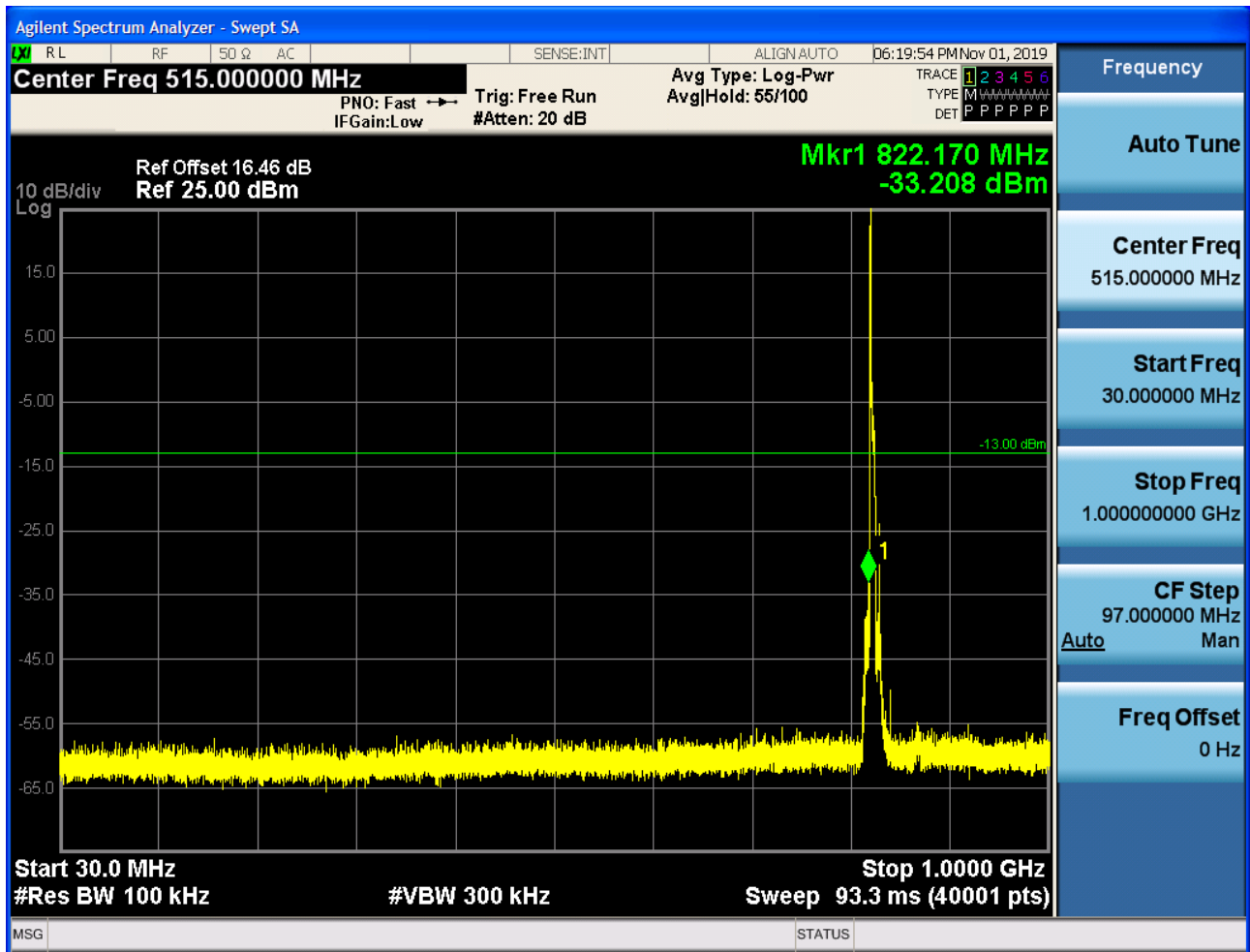
6.2.1.1.3 Test Bandwidth = 5

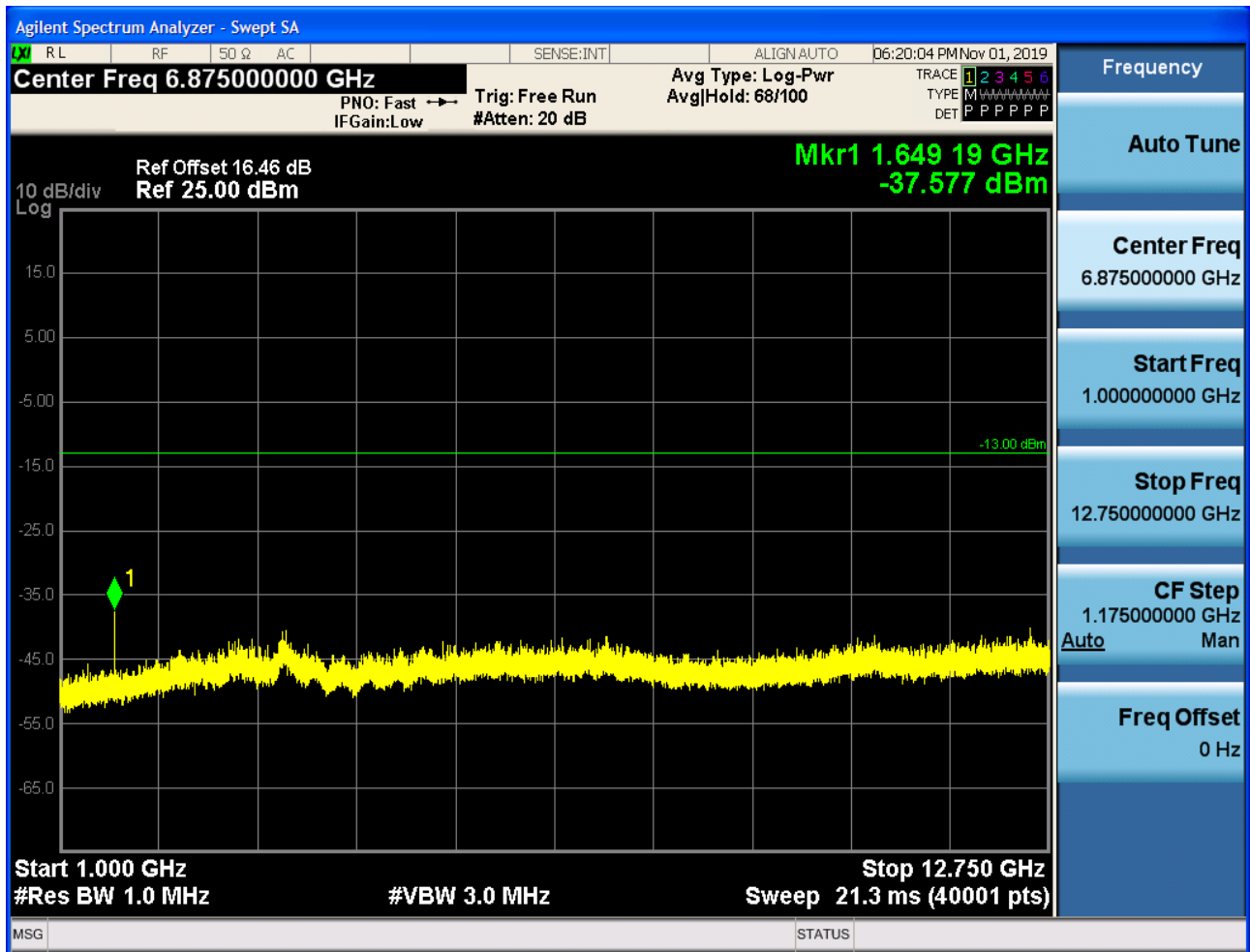
6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0





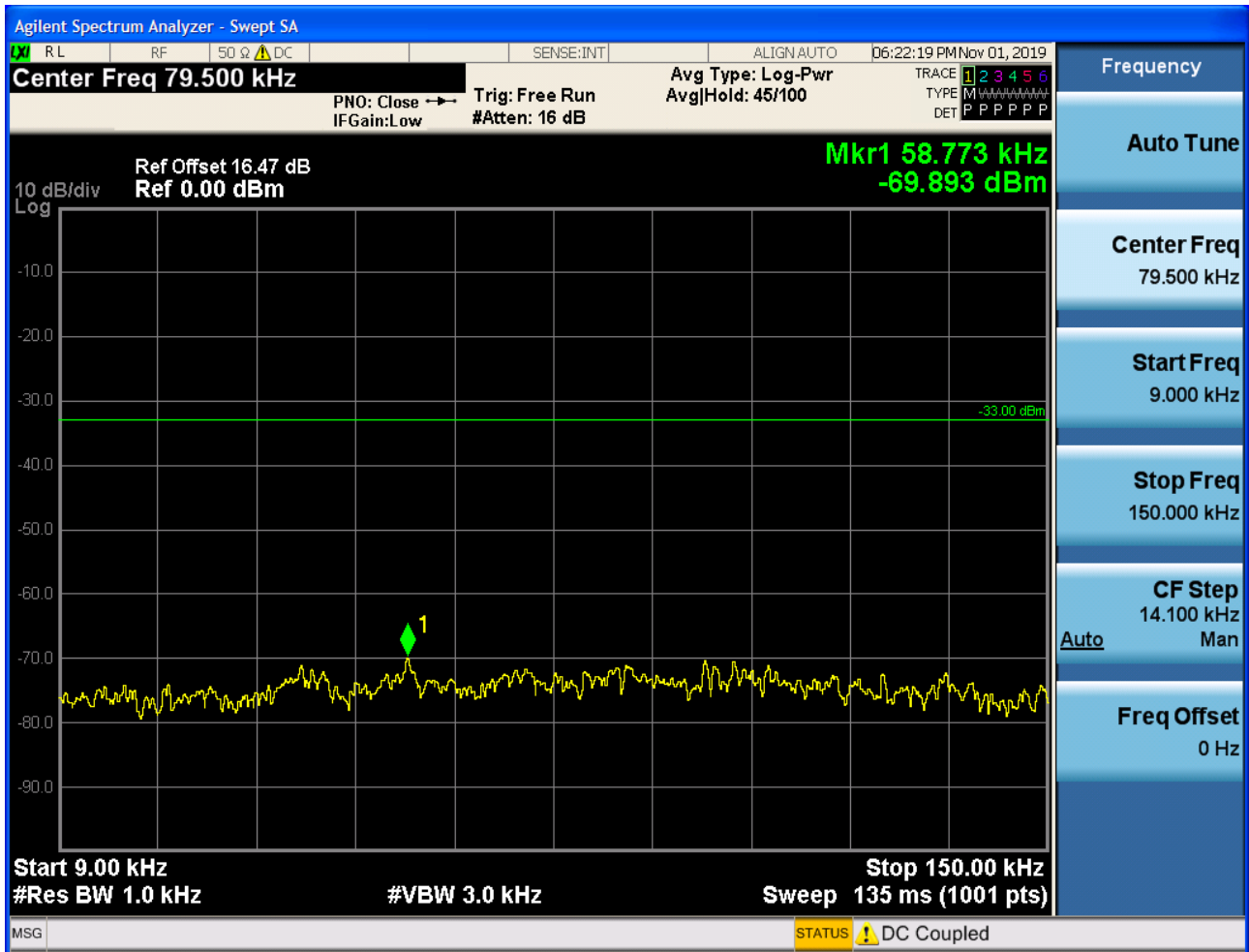


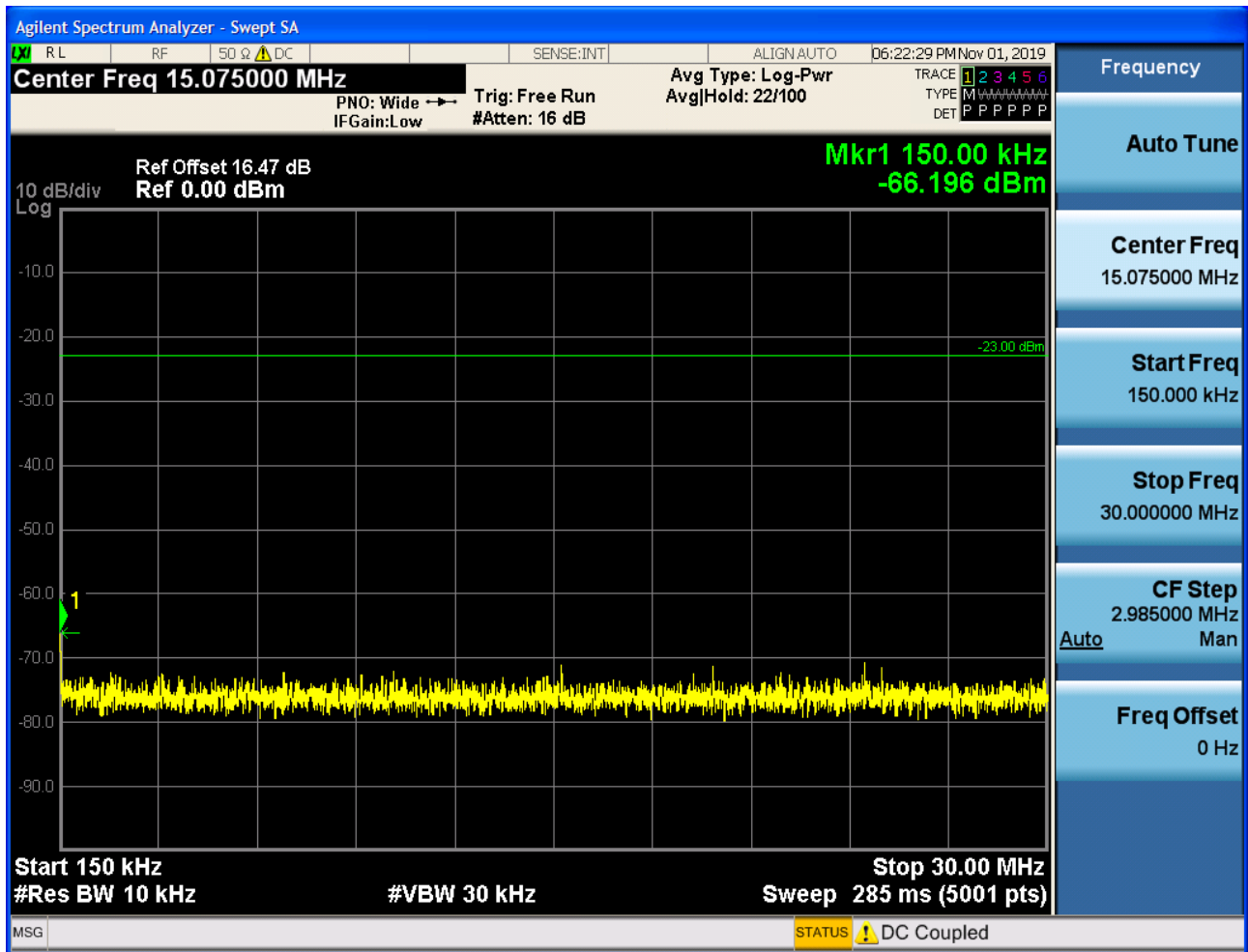


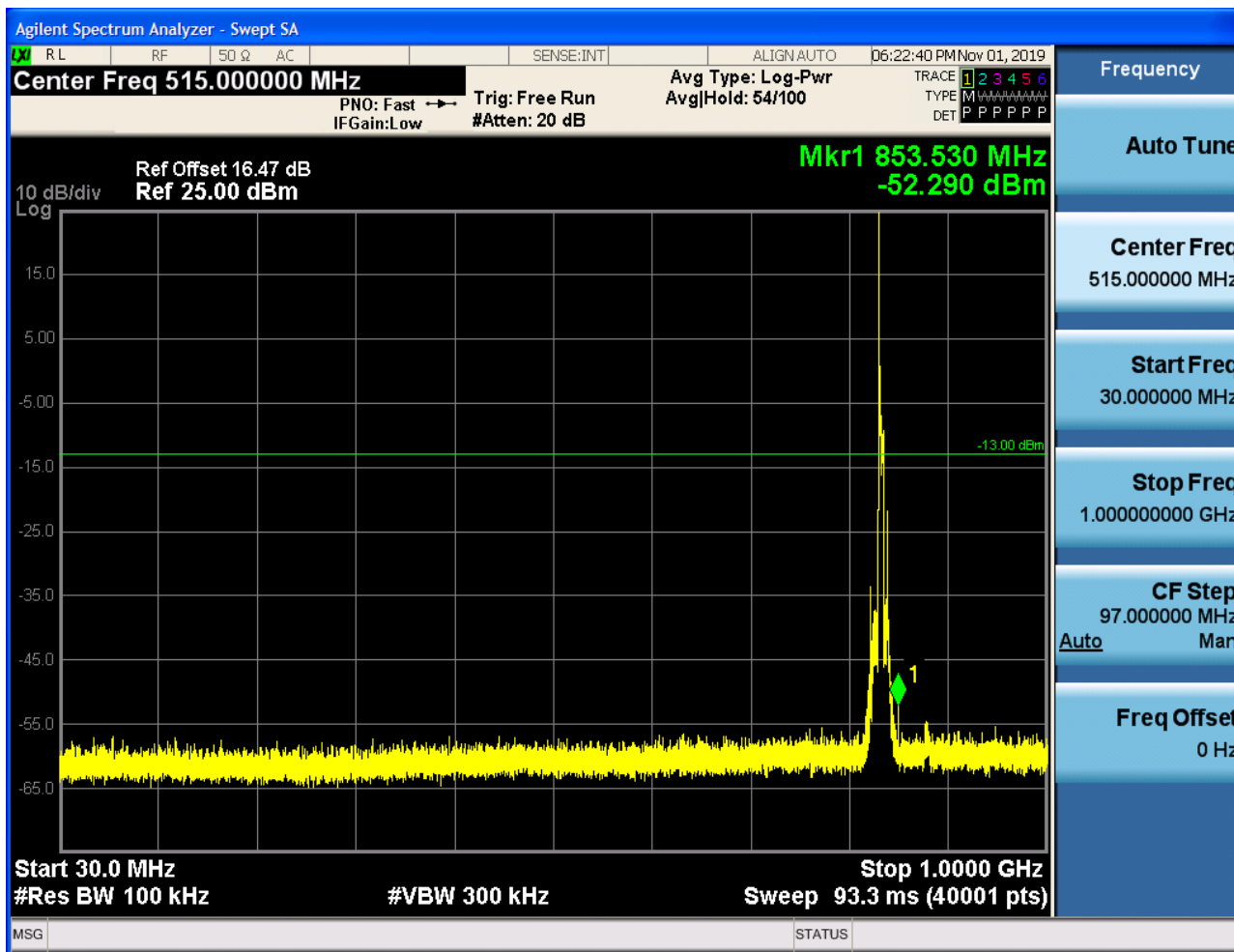


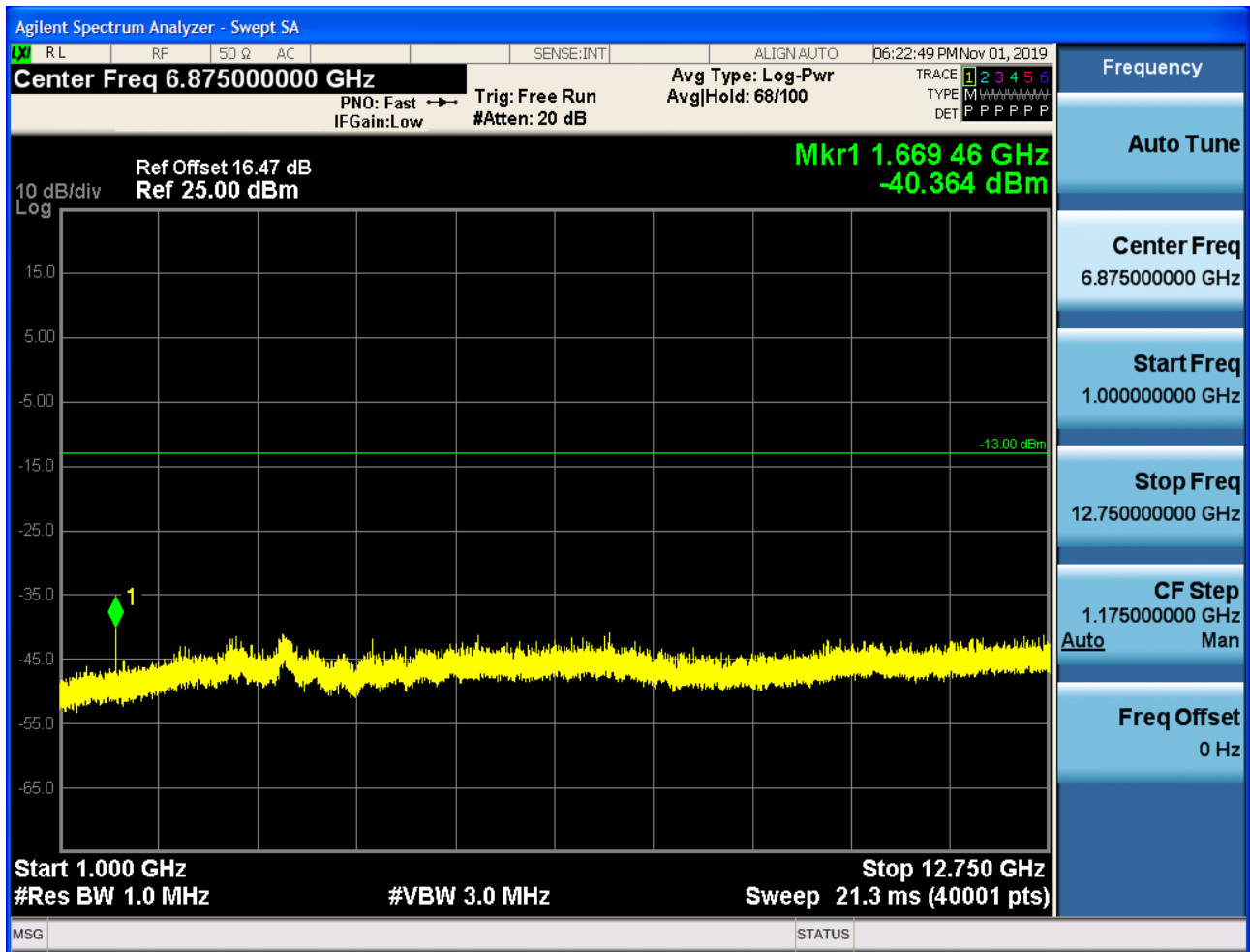
6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0





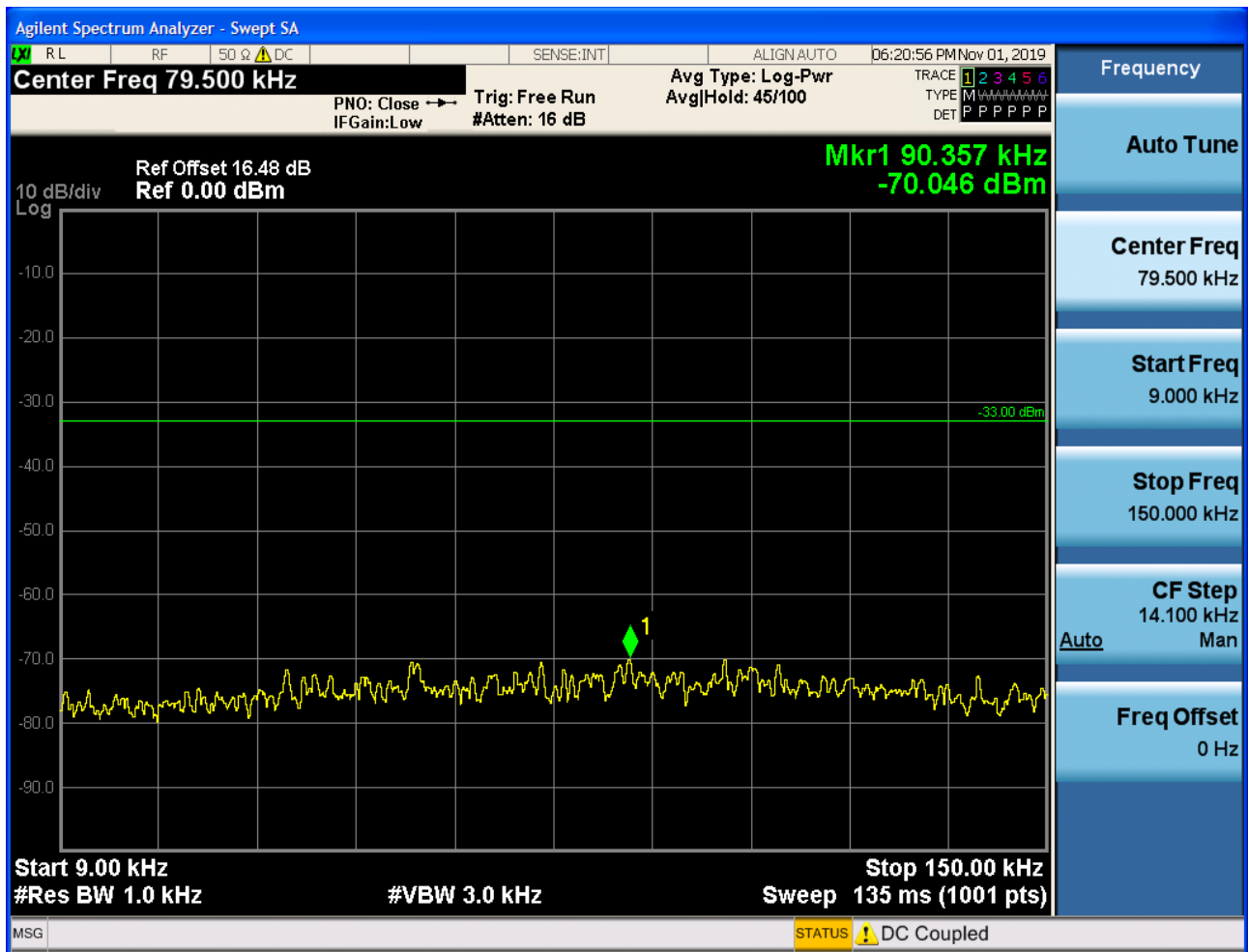


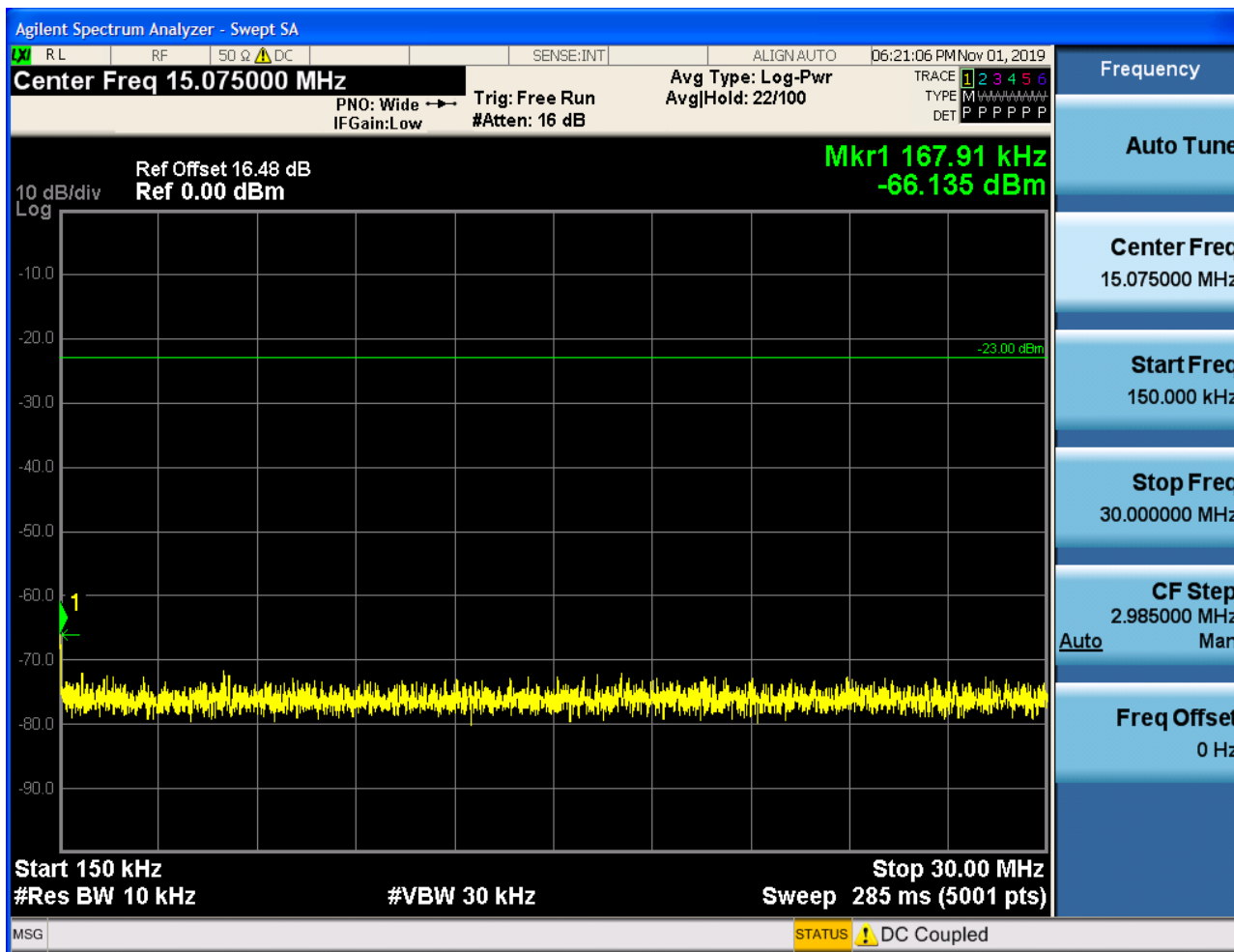


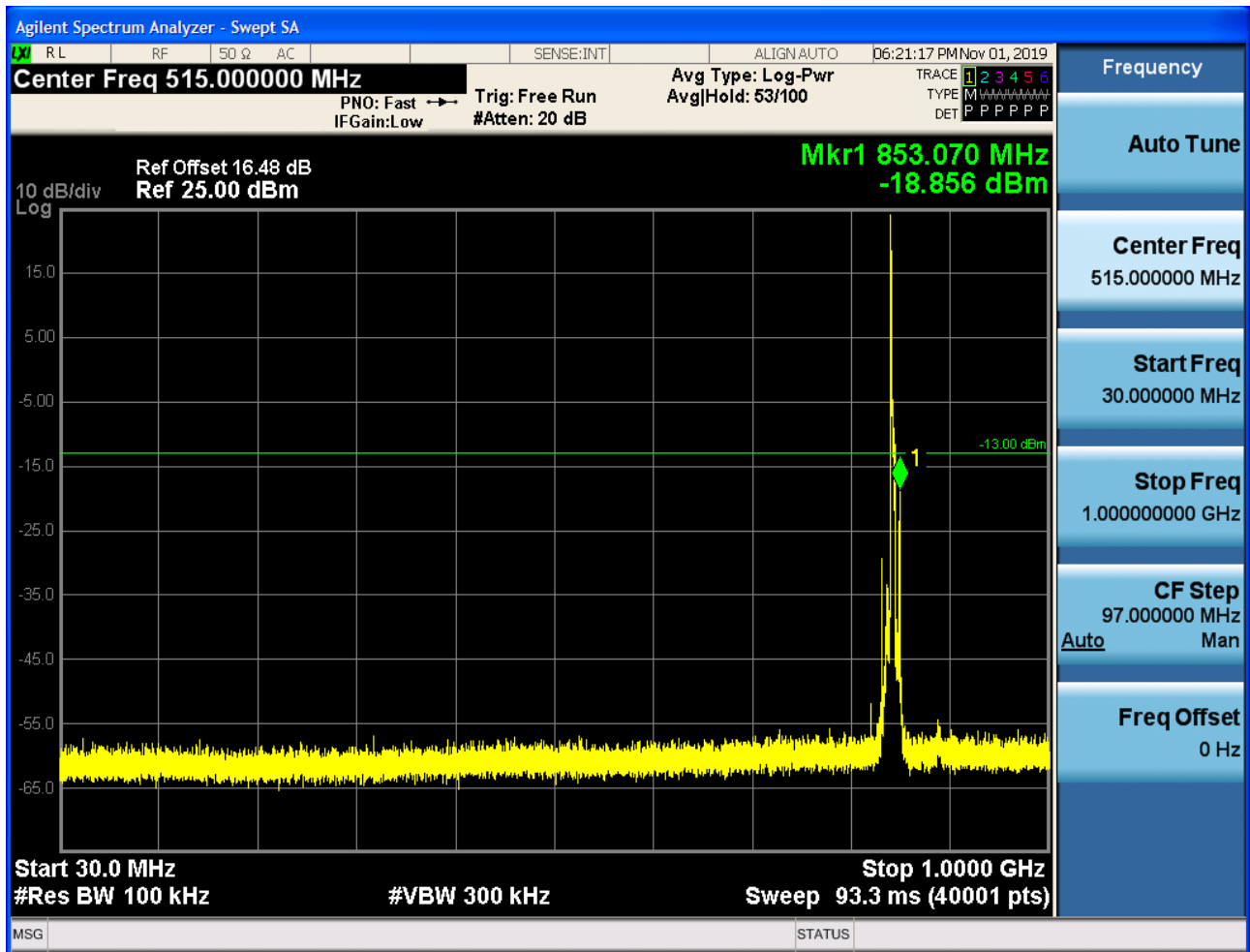


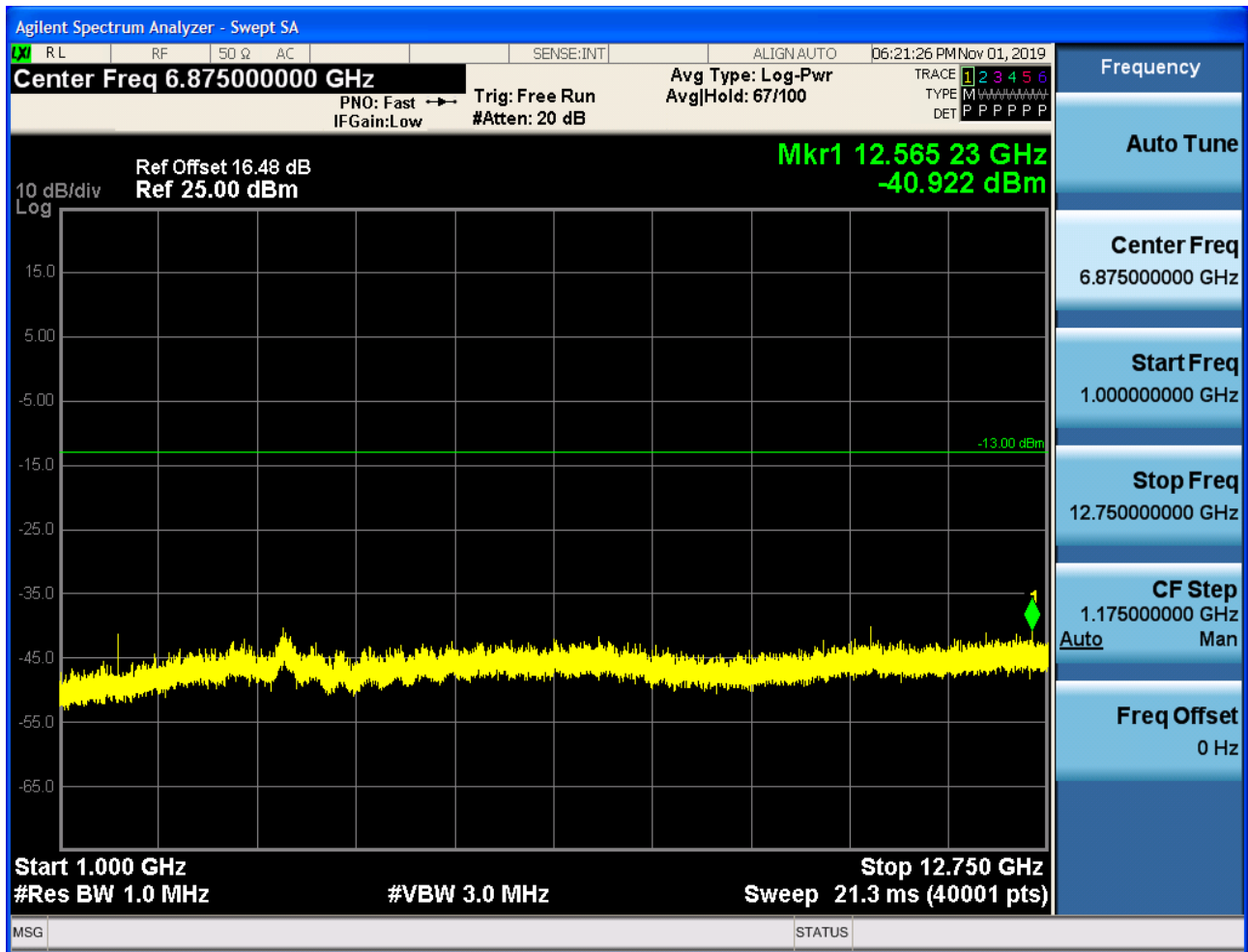
6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0





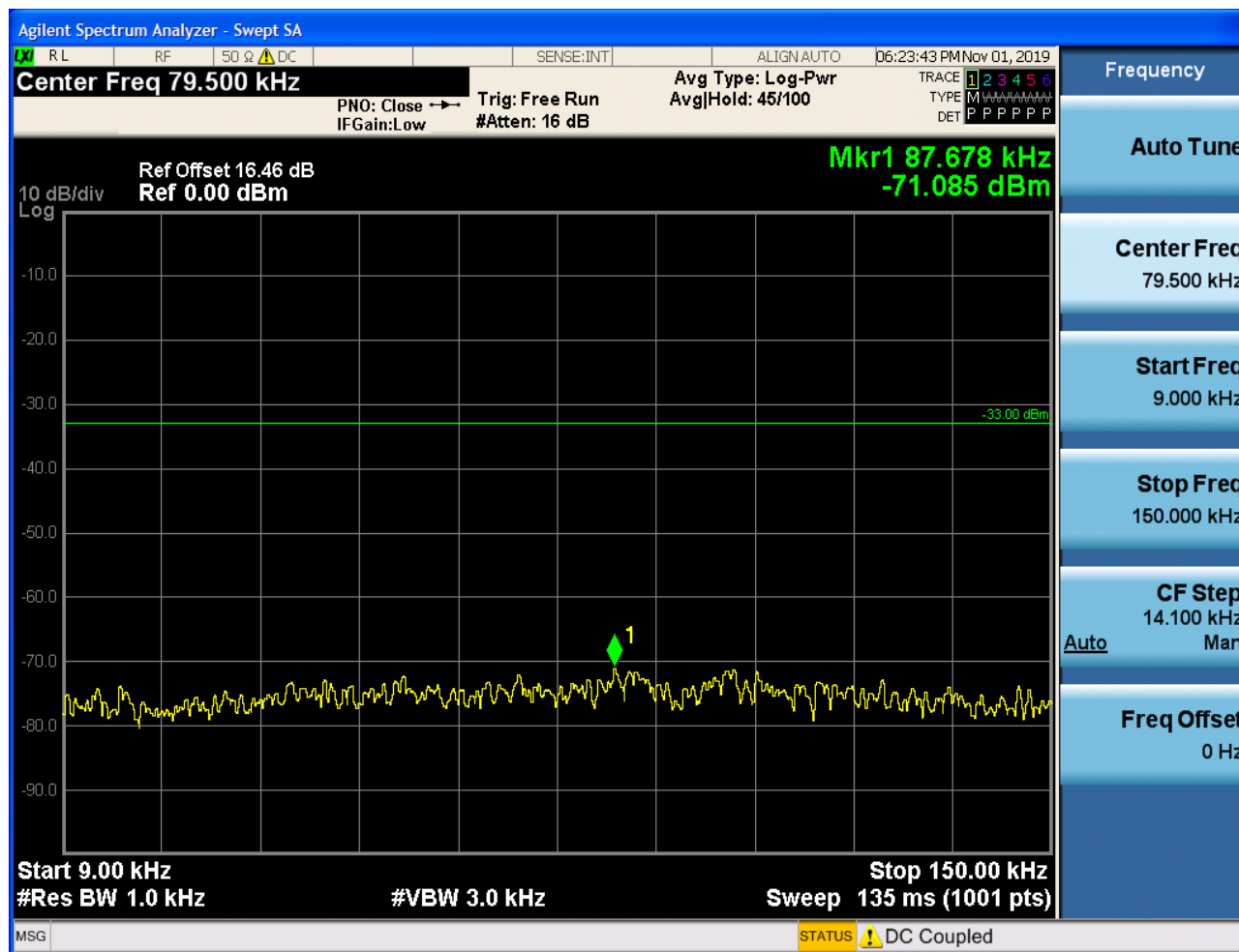


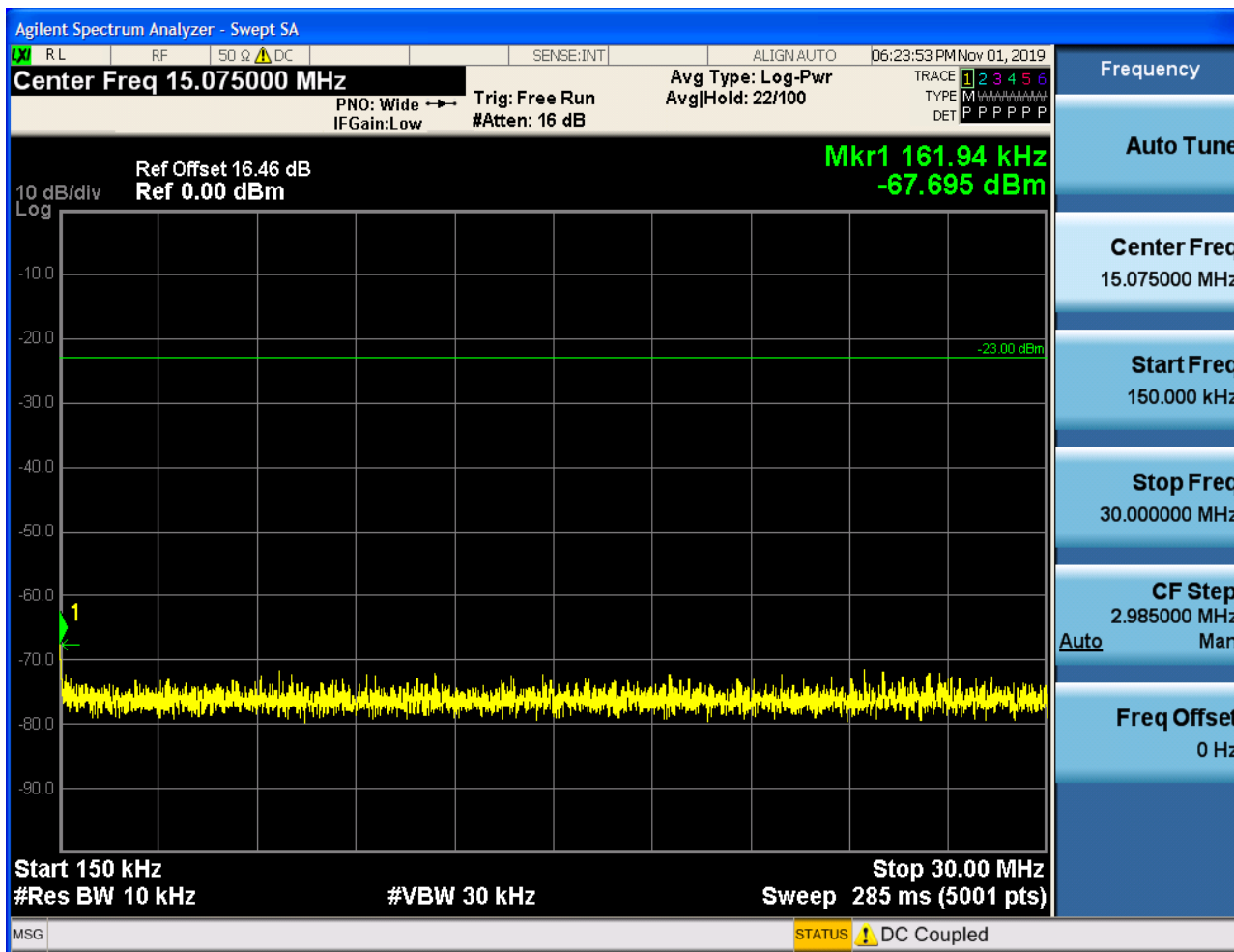


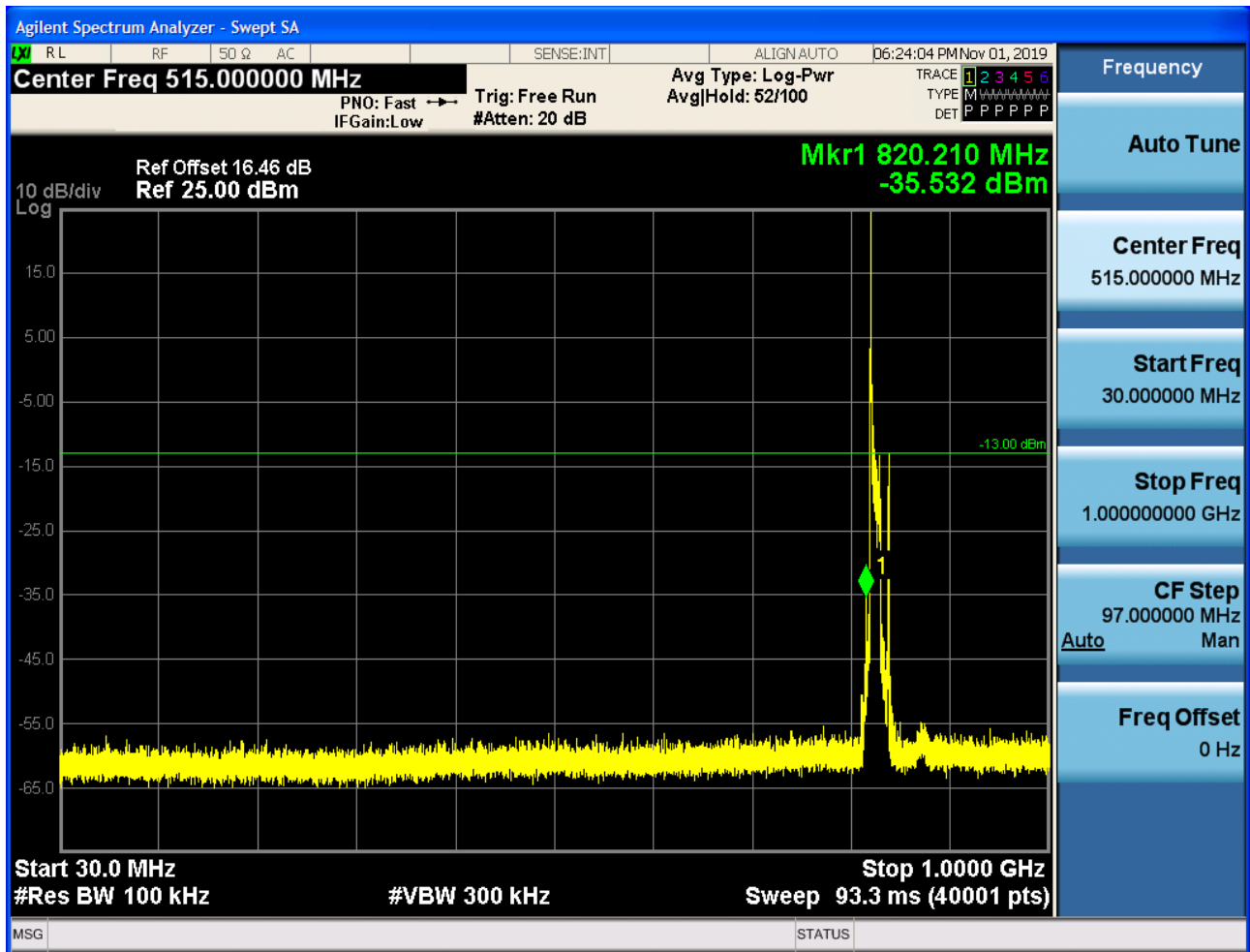
6.2.1.1.4 Test Bandwidth = 10

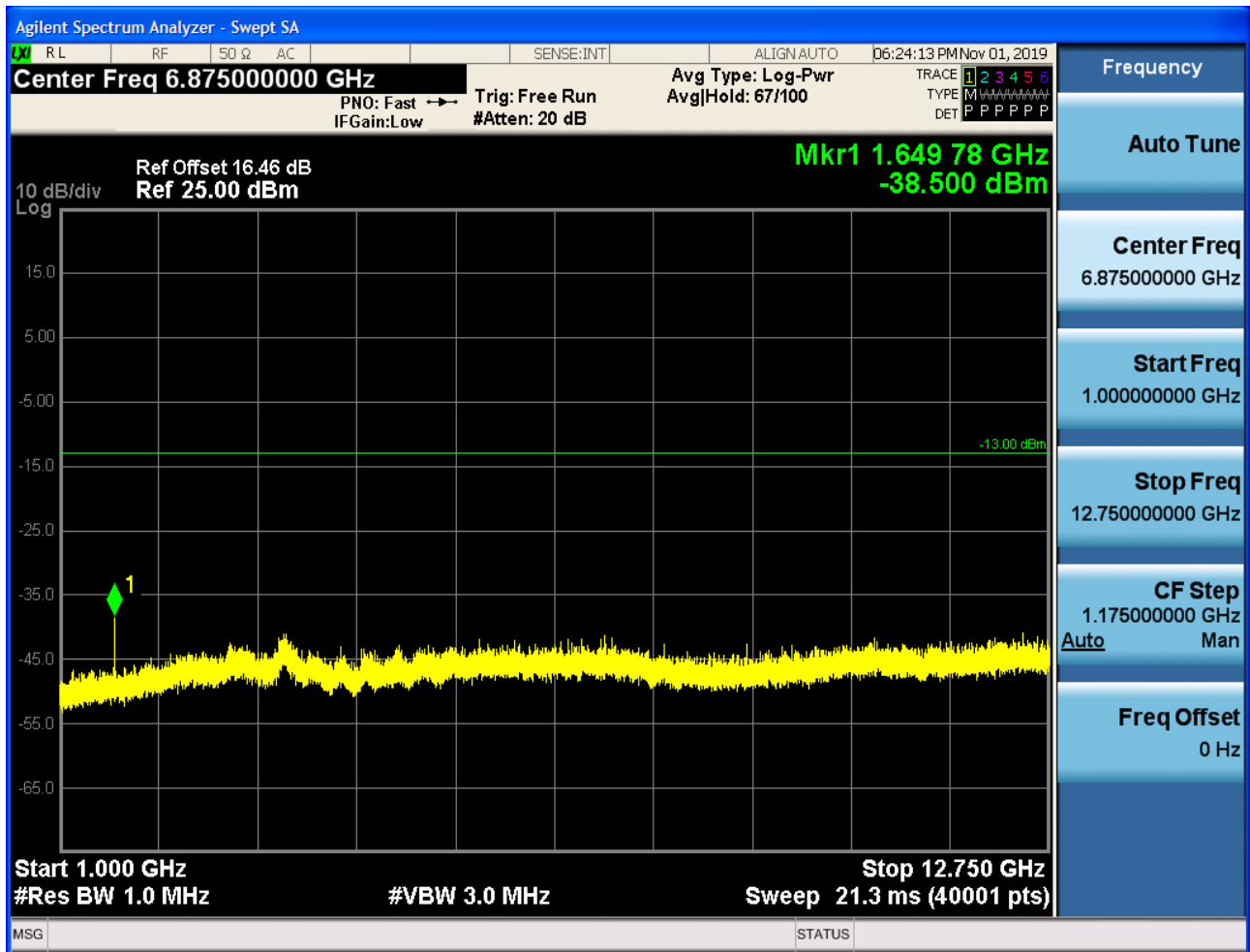
6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0





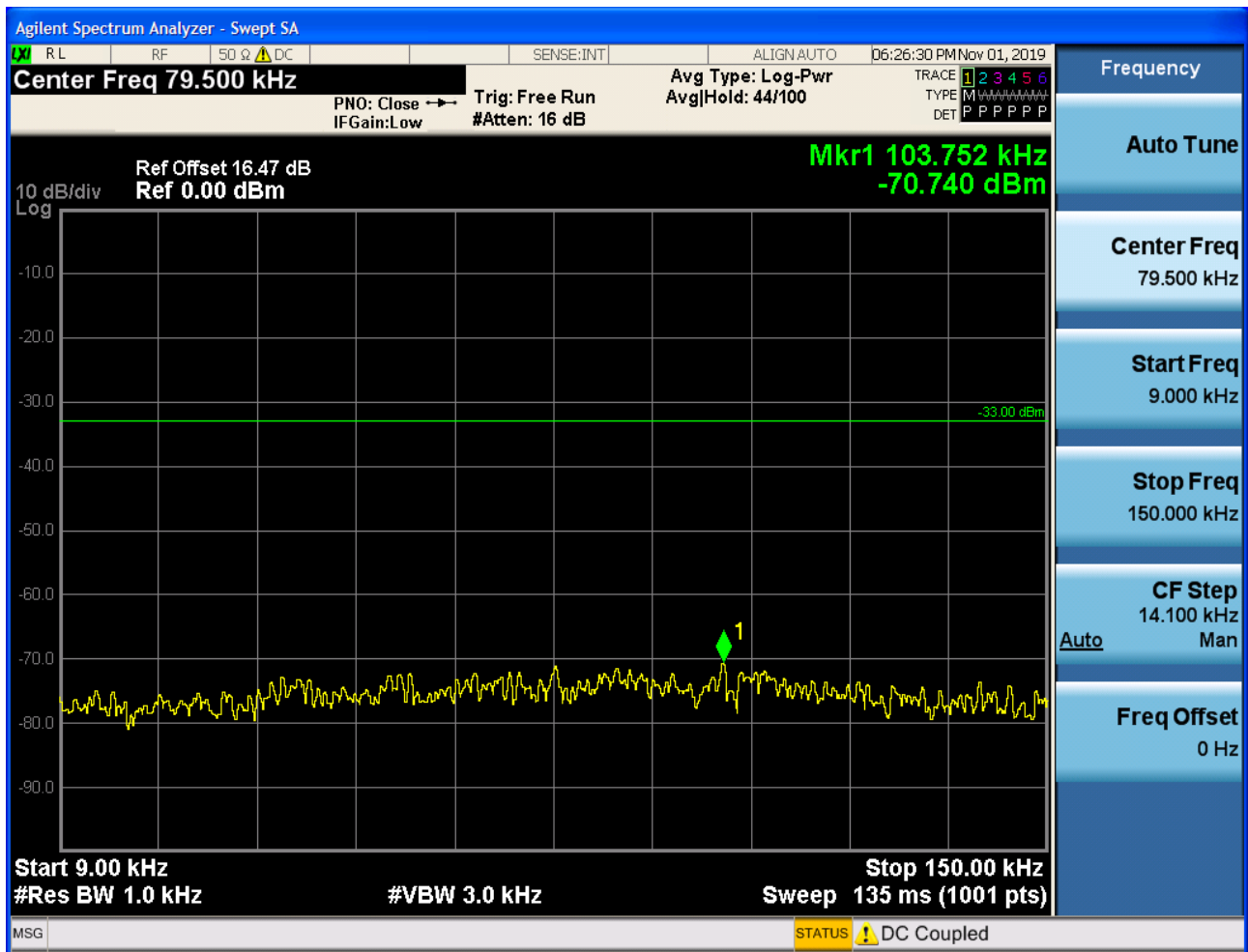


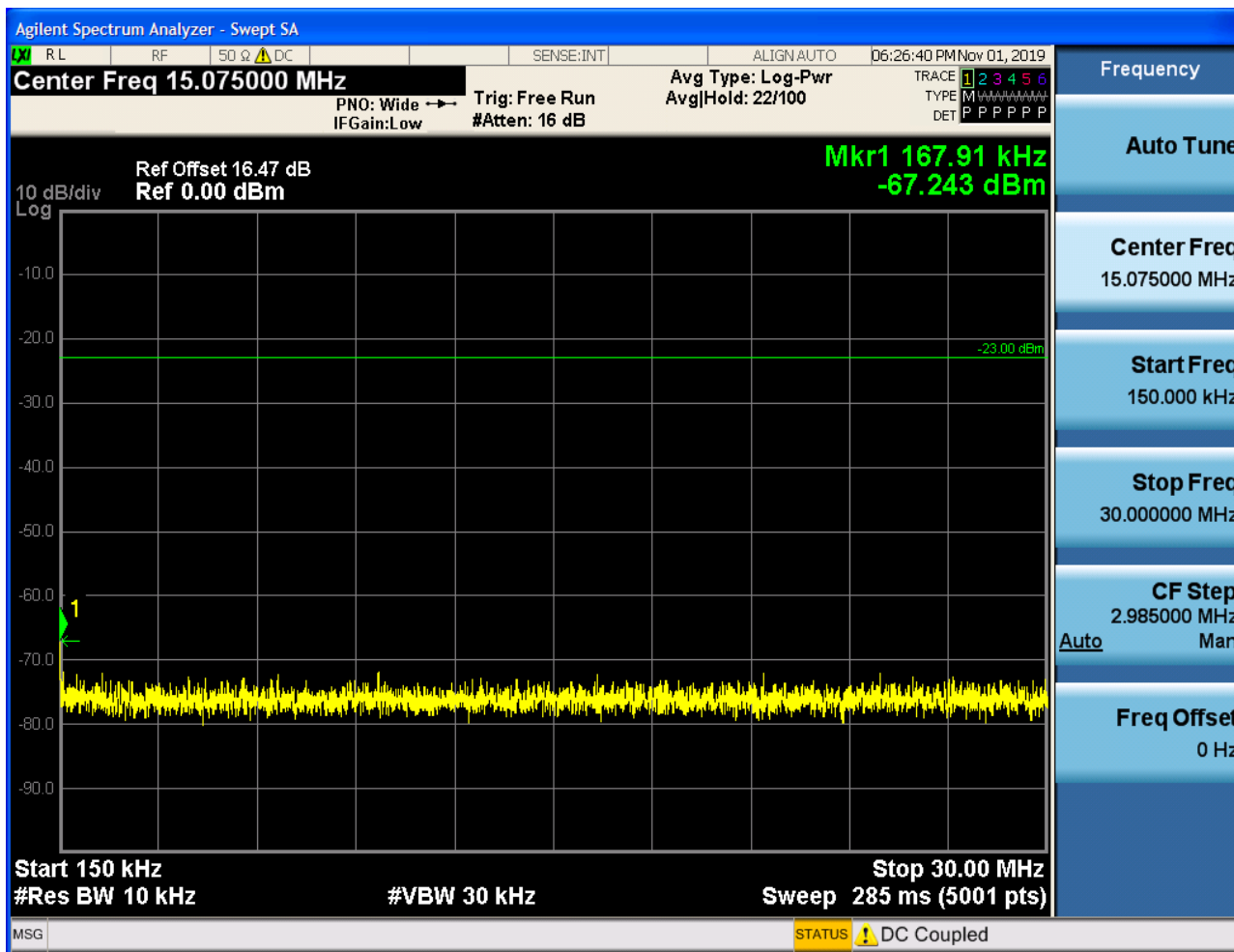


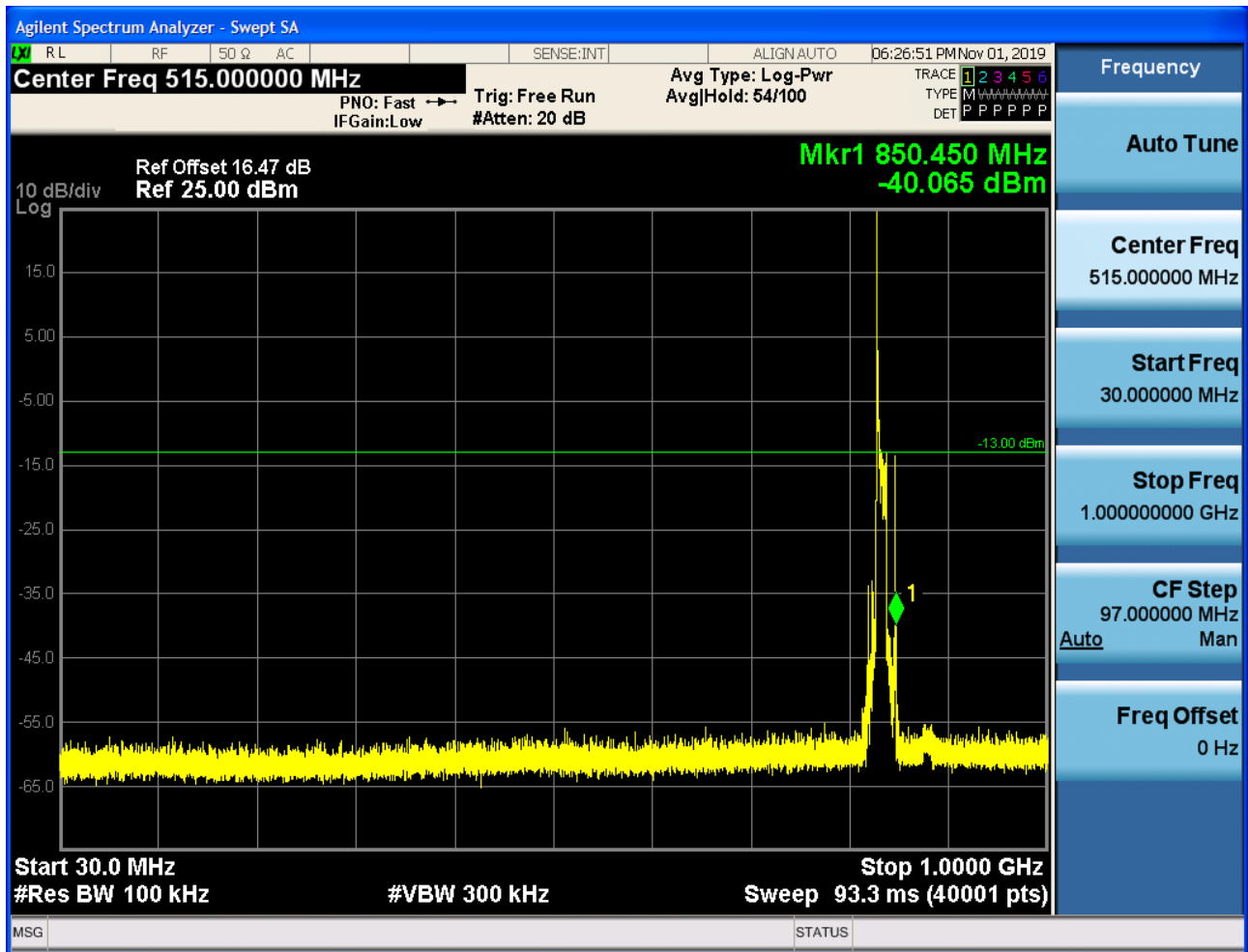


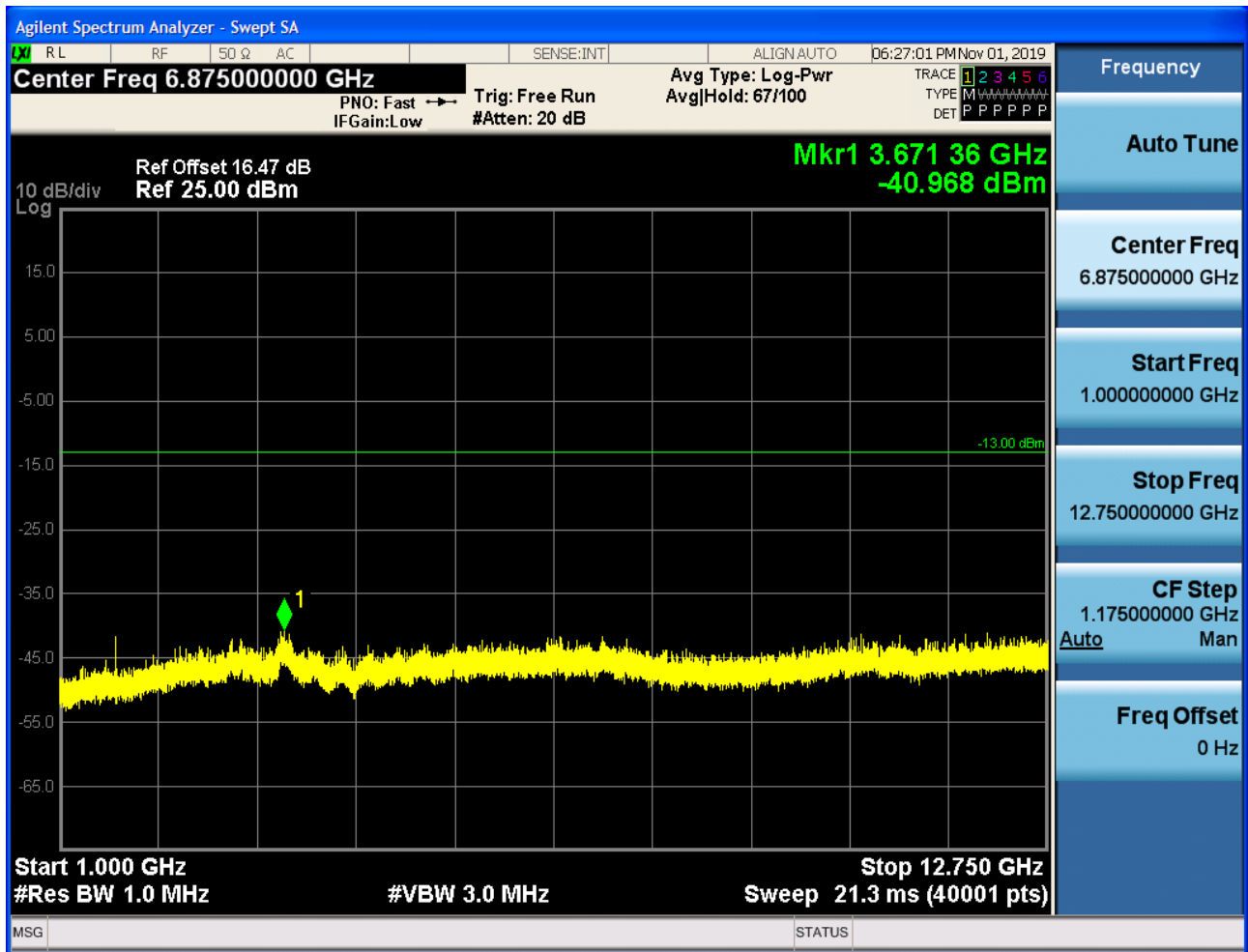
6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0





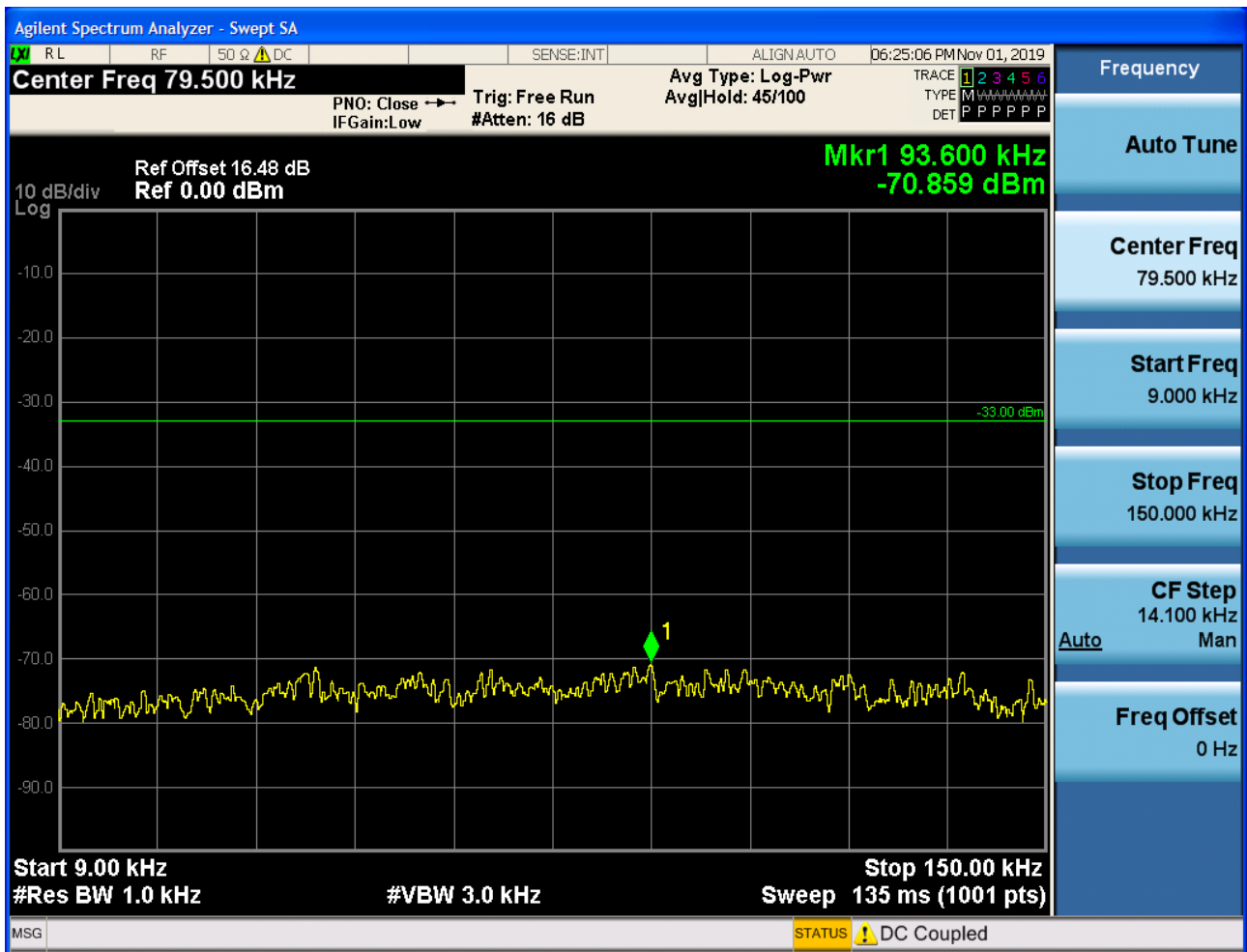


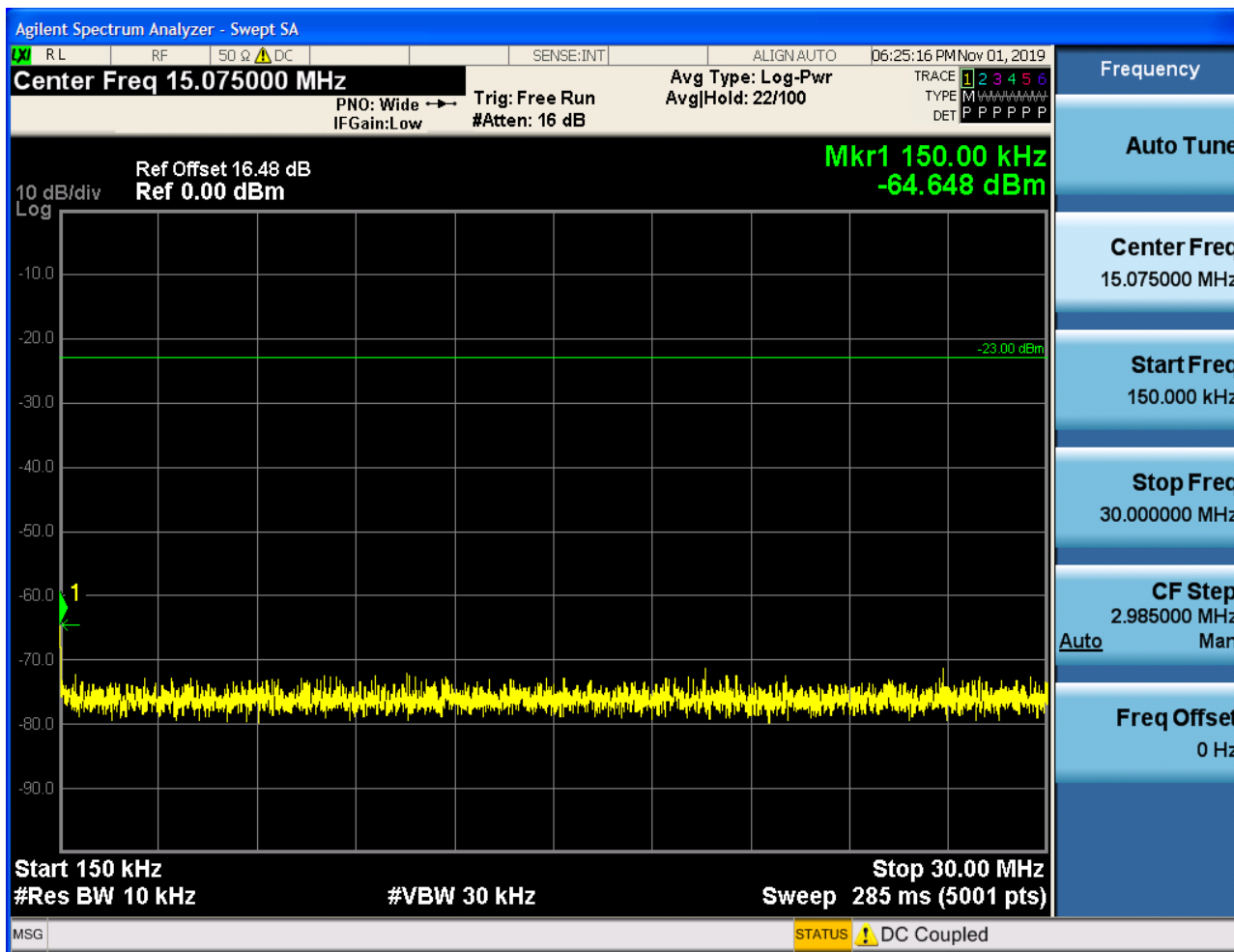


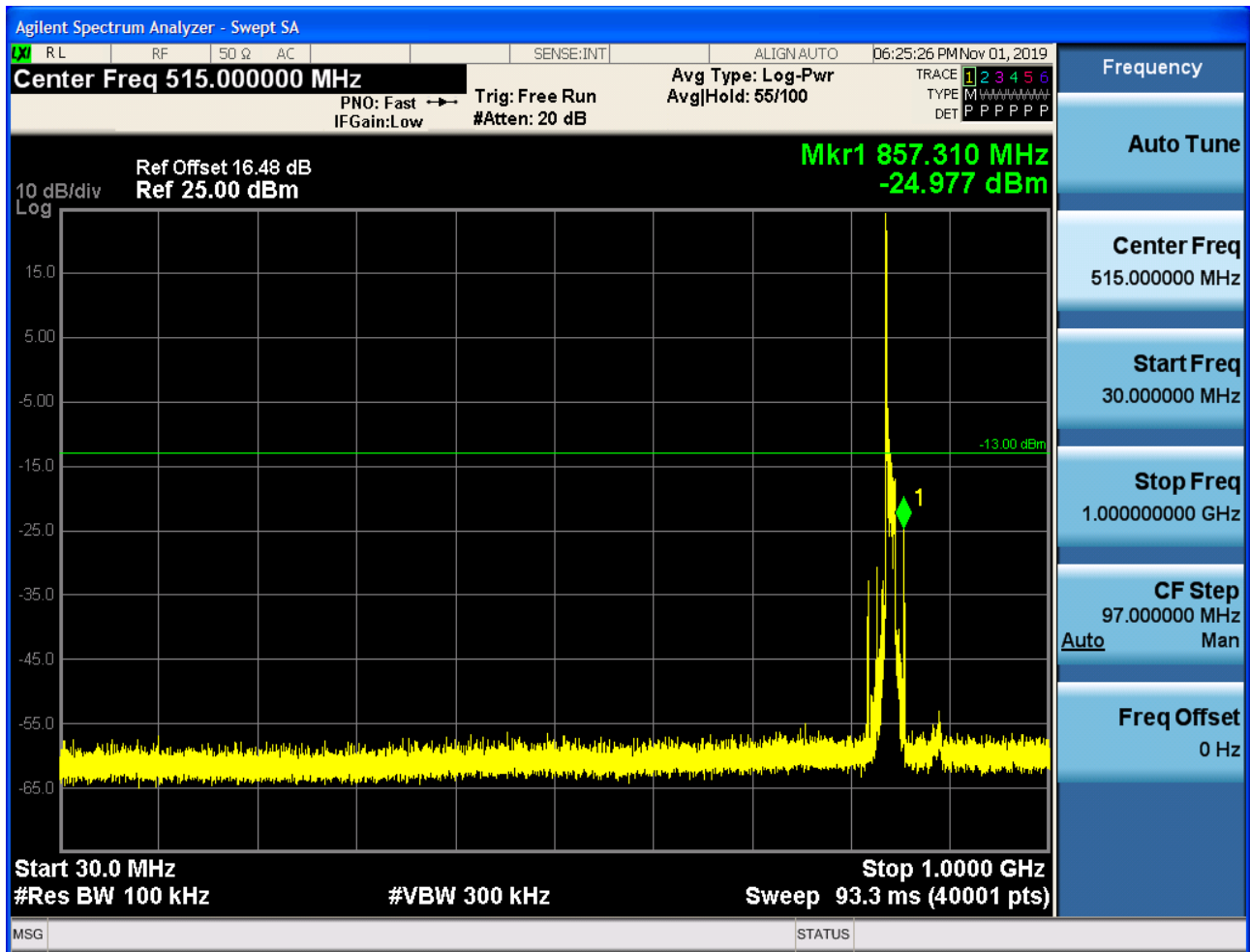


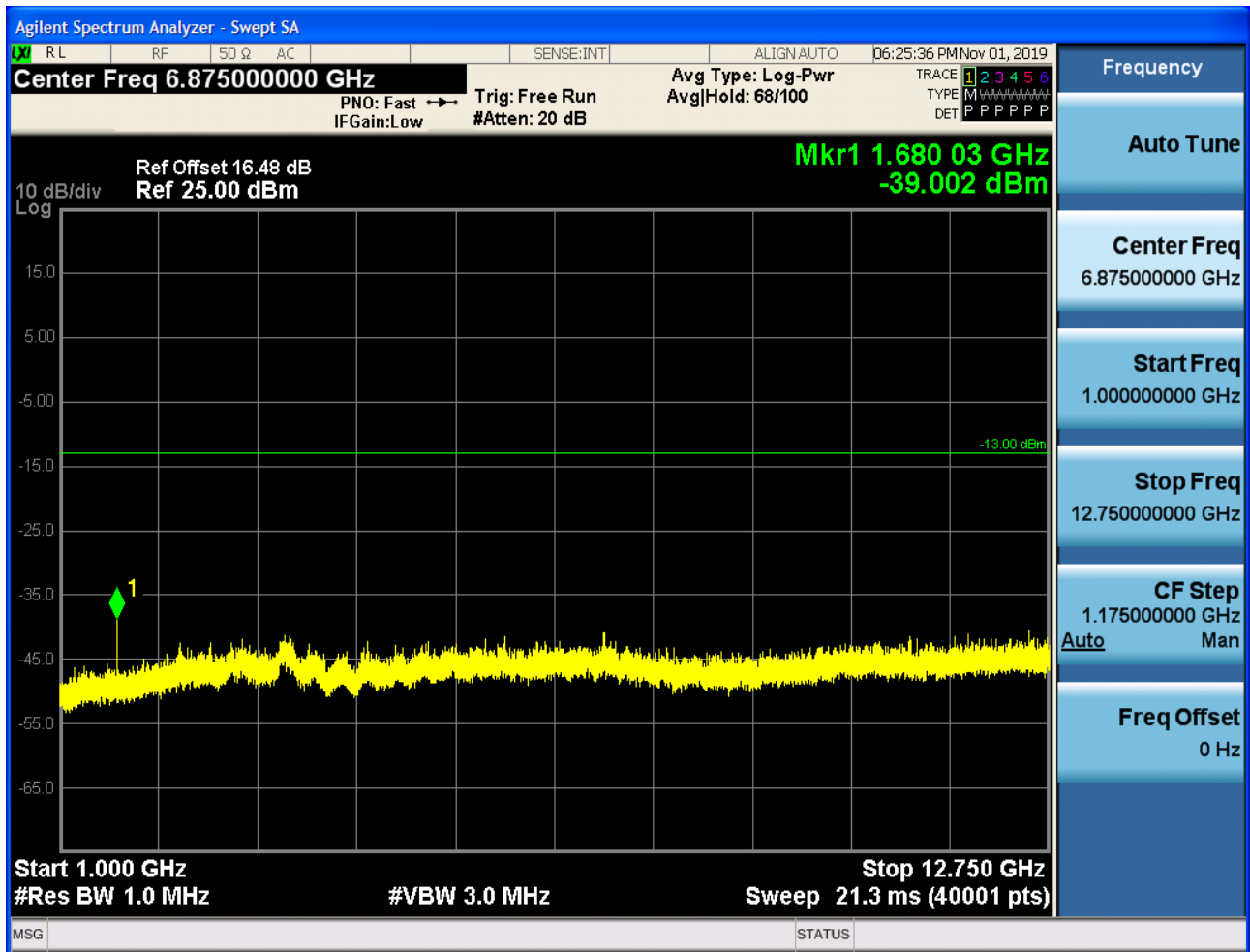
6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0







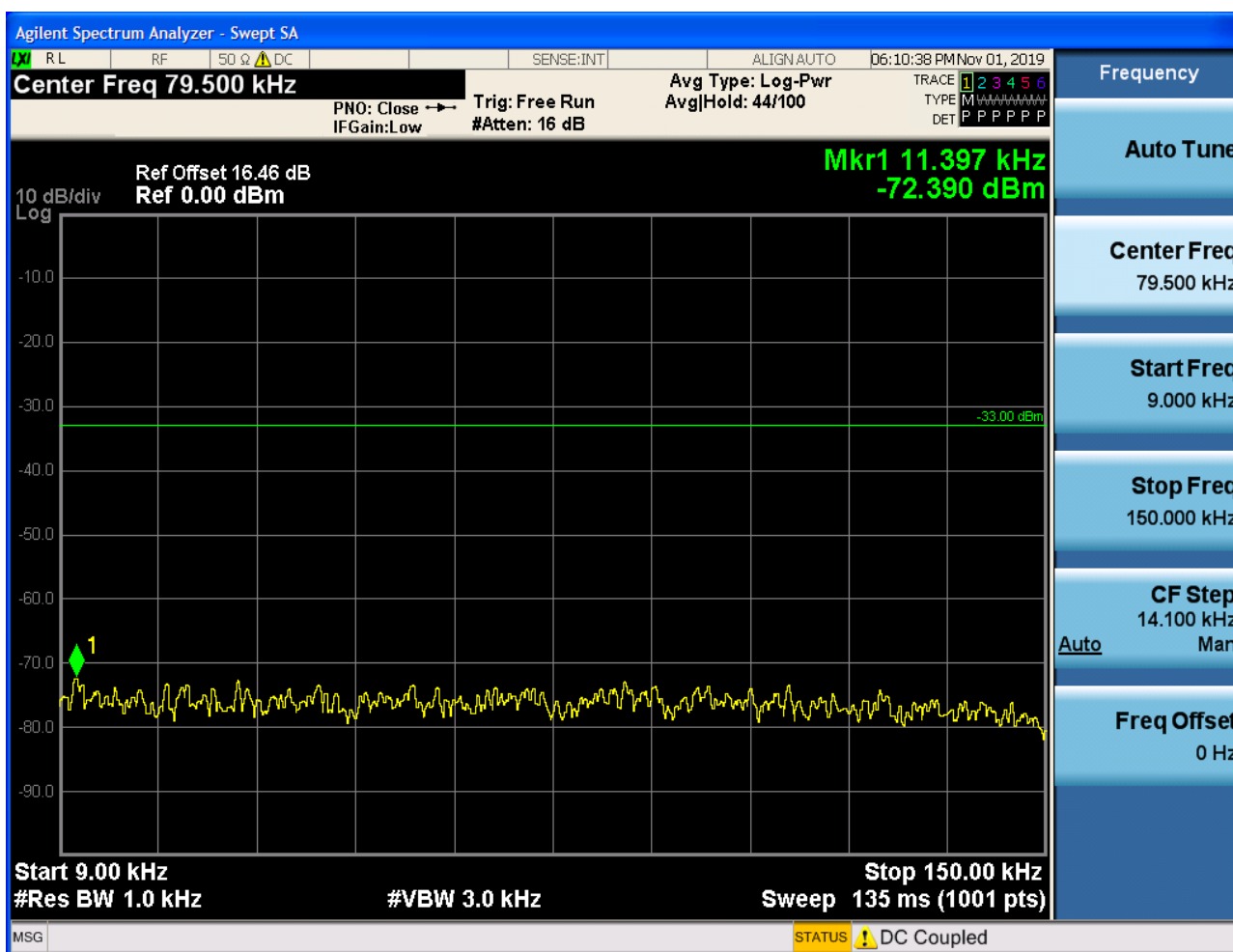


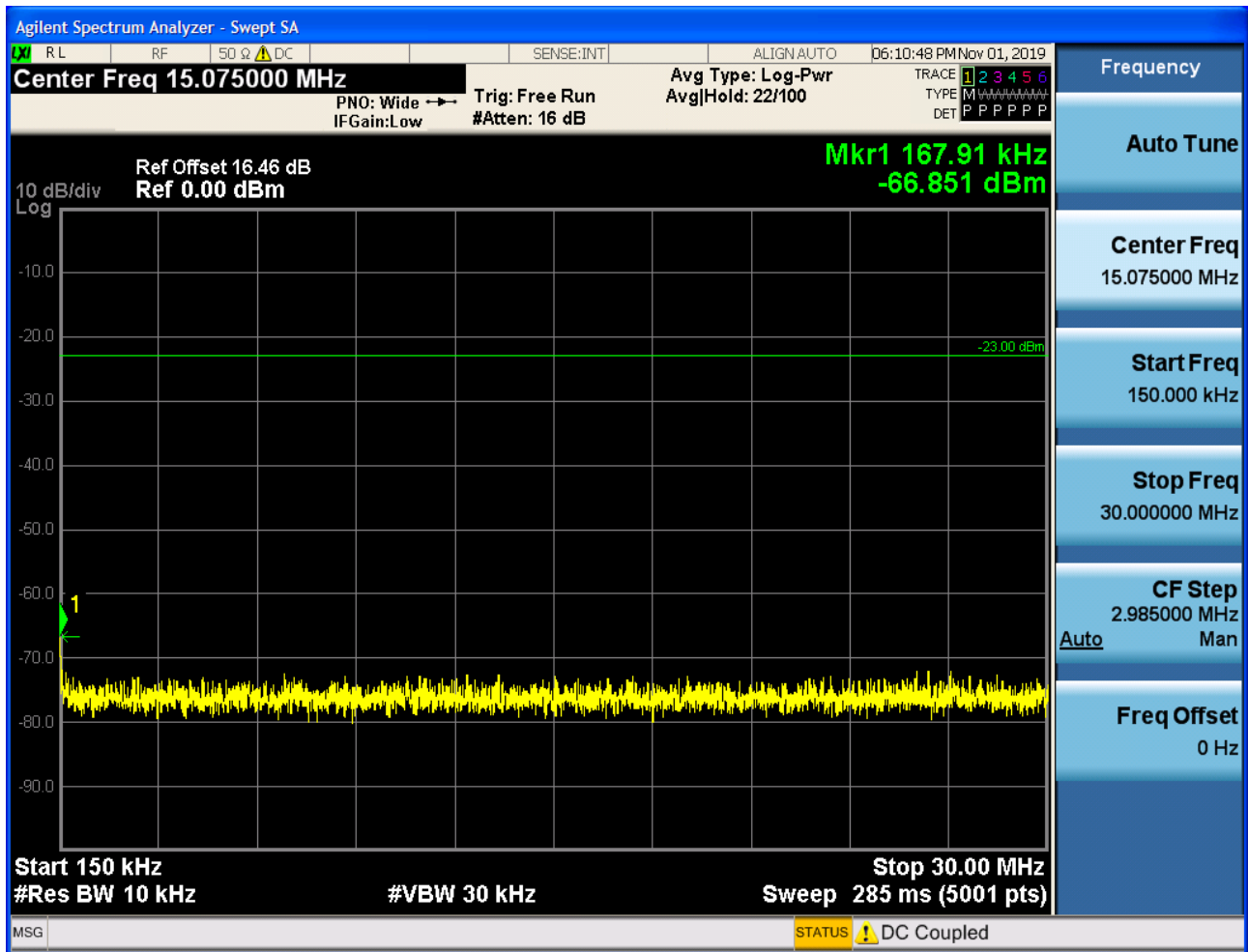
6.2.1.2 Test Mode = LTE/TM2

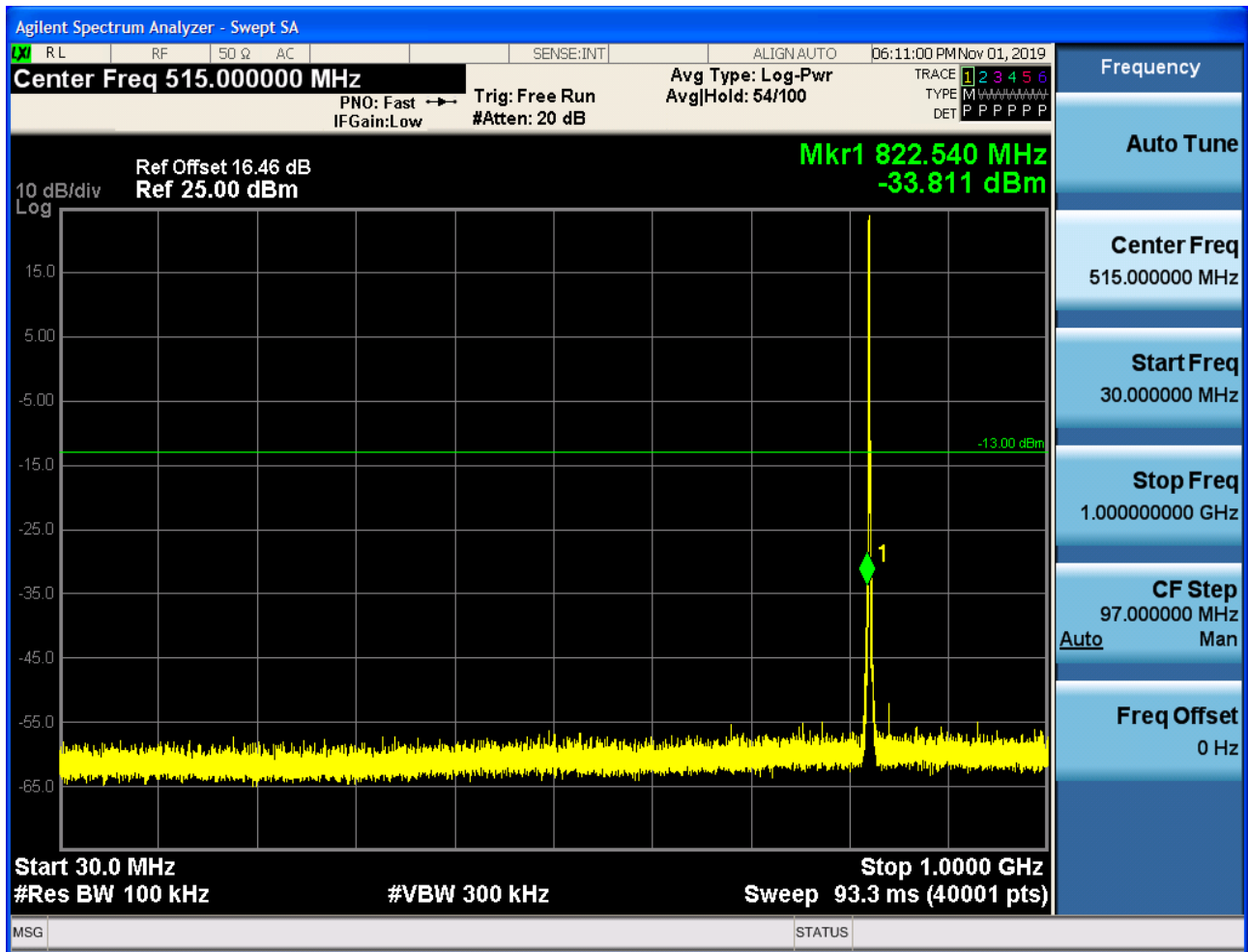
6.2.1.2.1 Test Bandwidth = 1.4

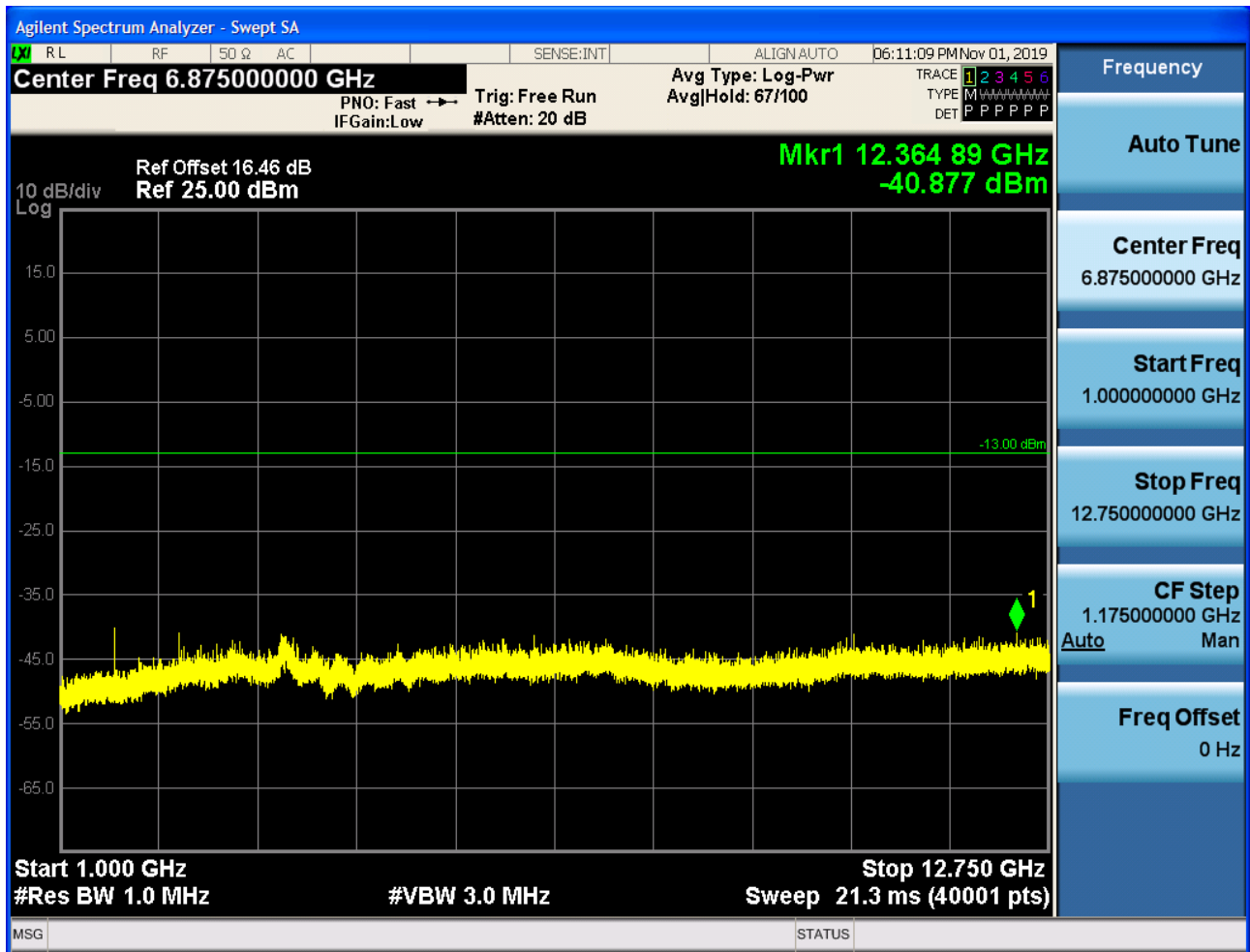
6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0





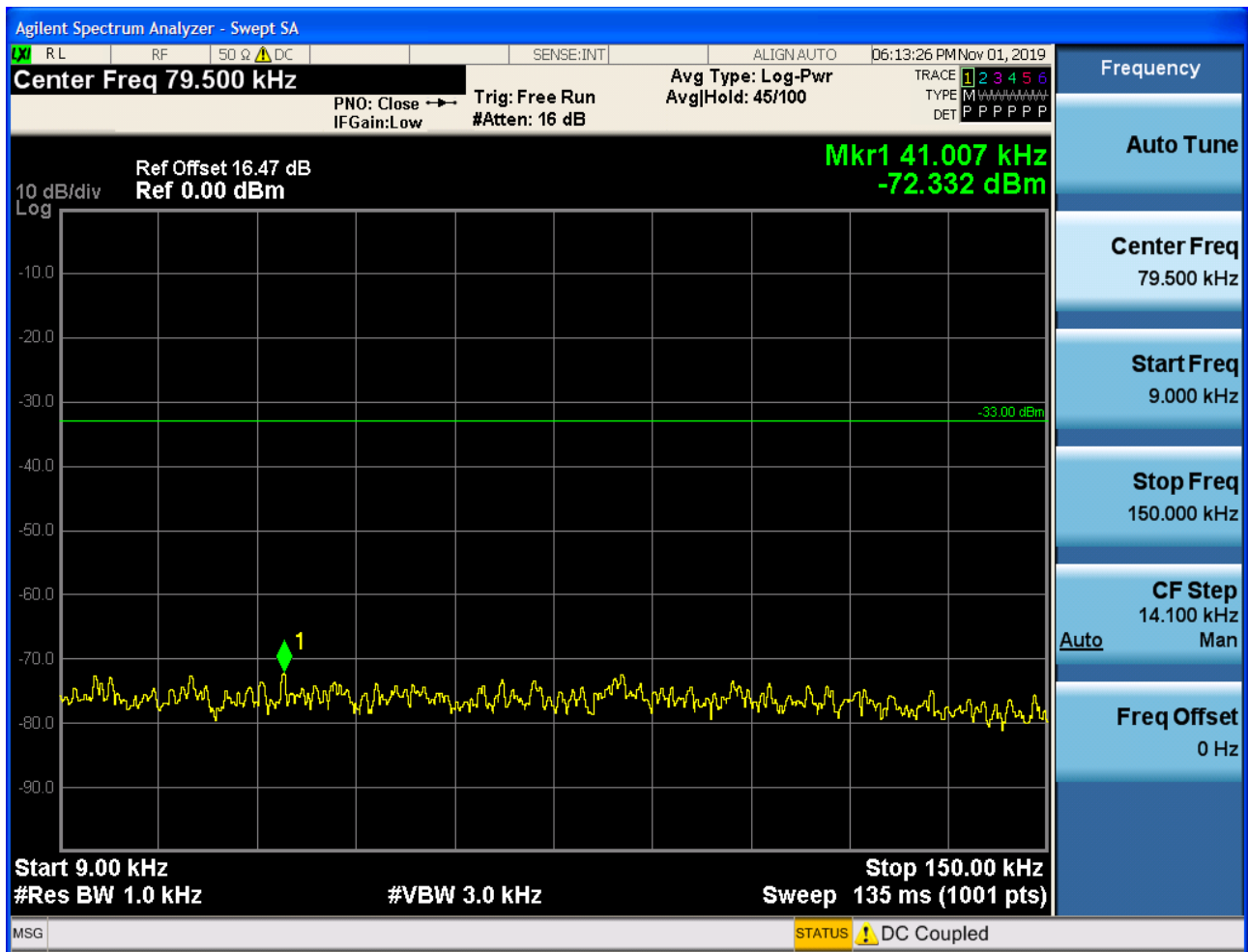


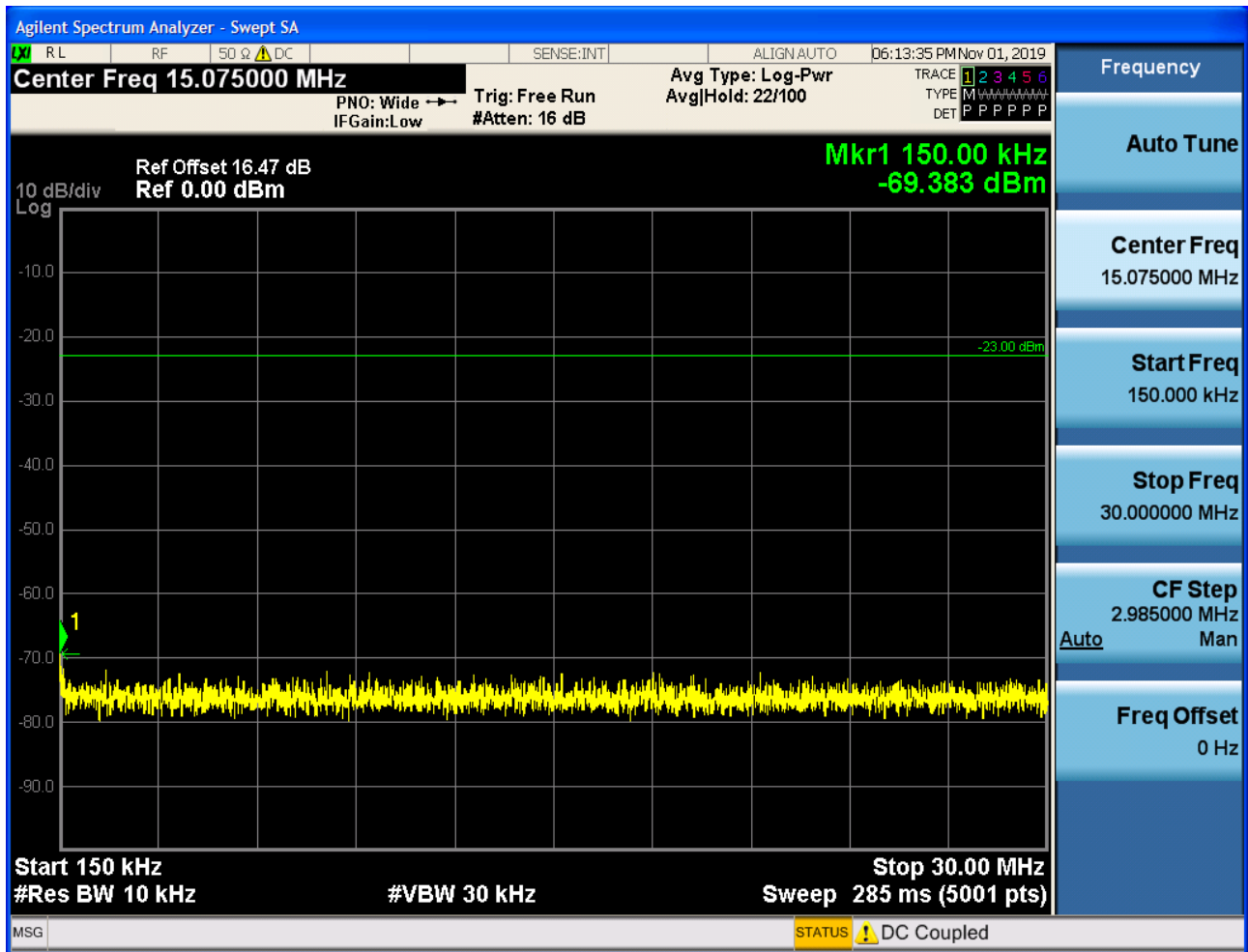


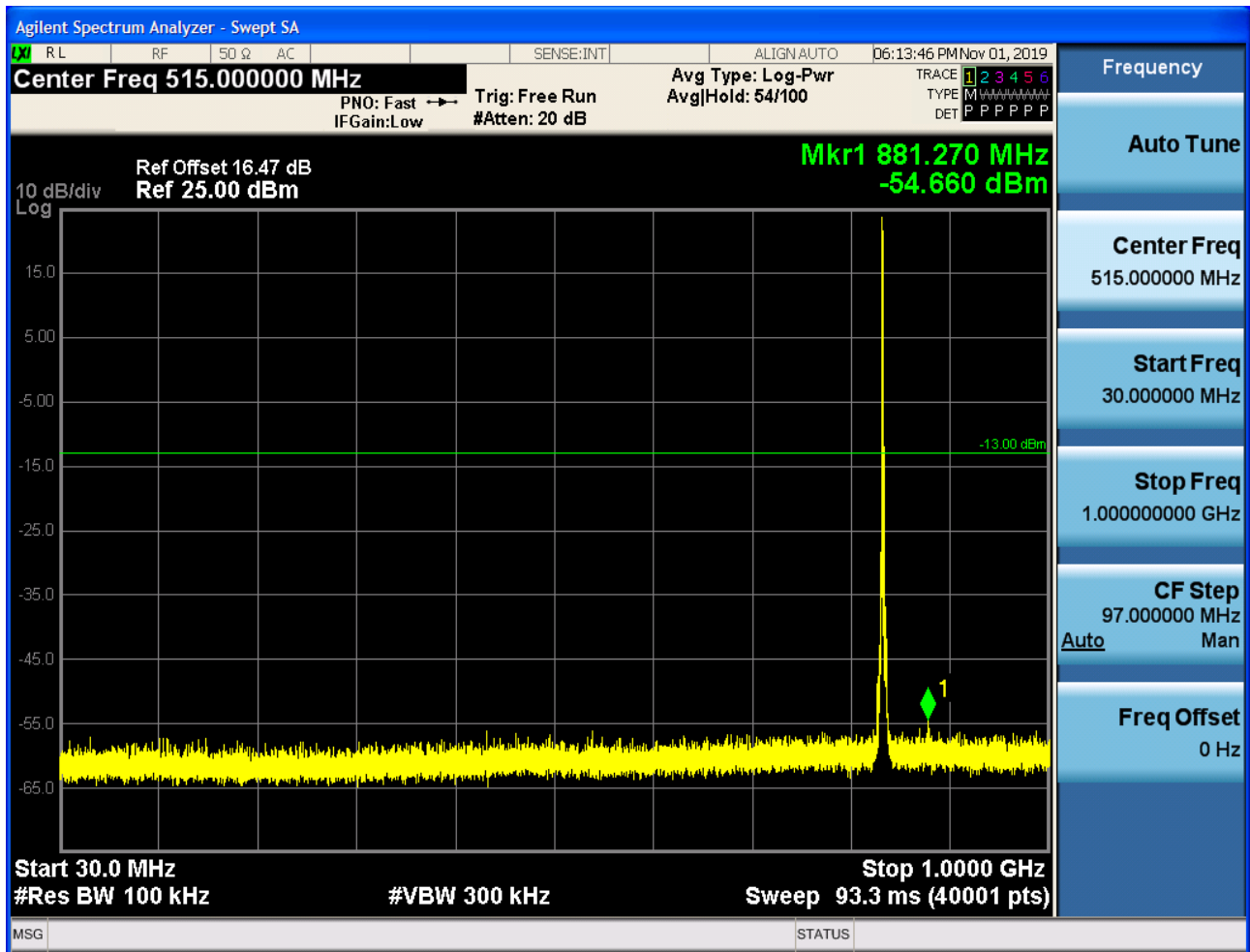


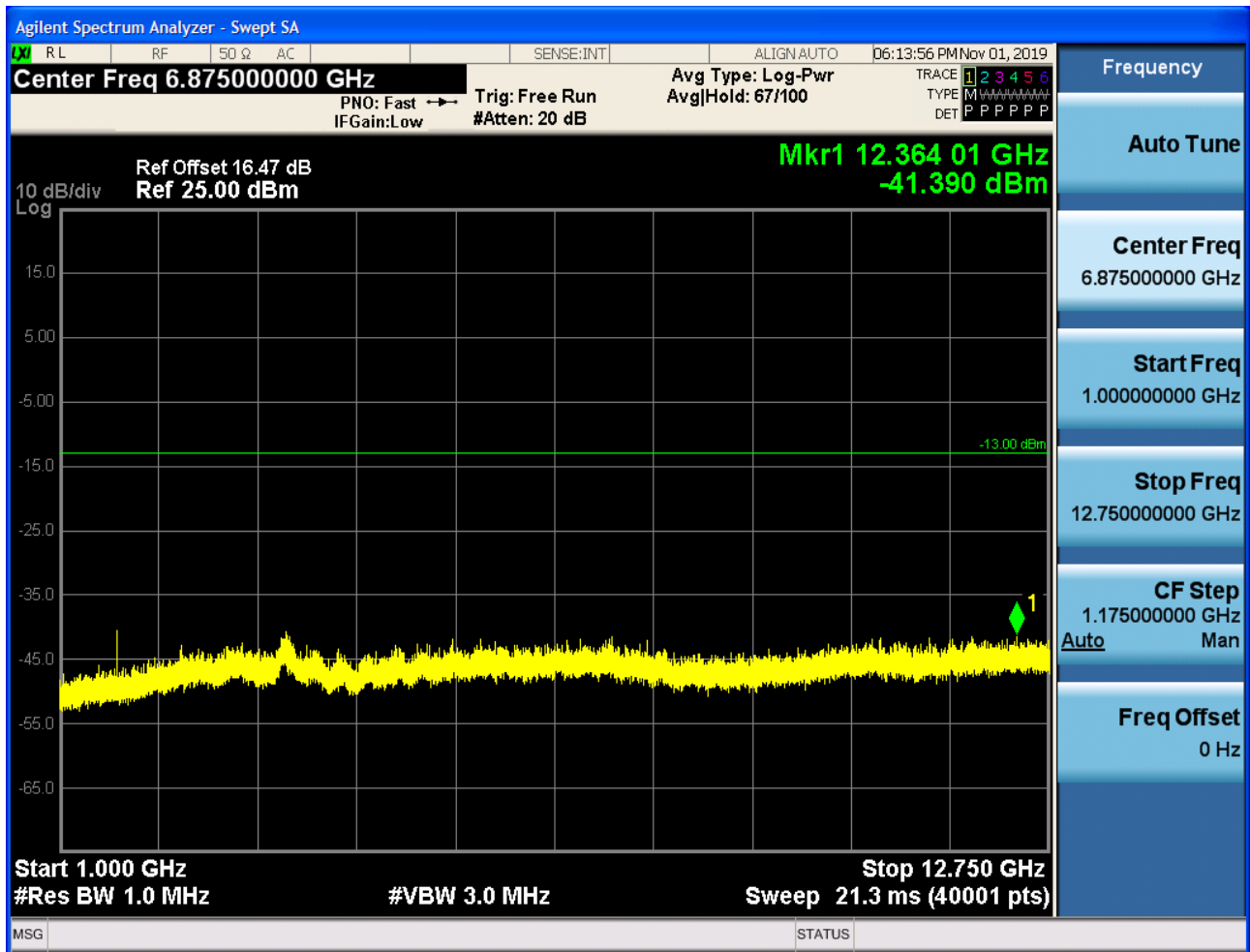
6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0





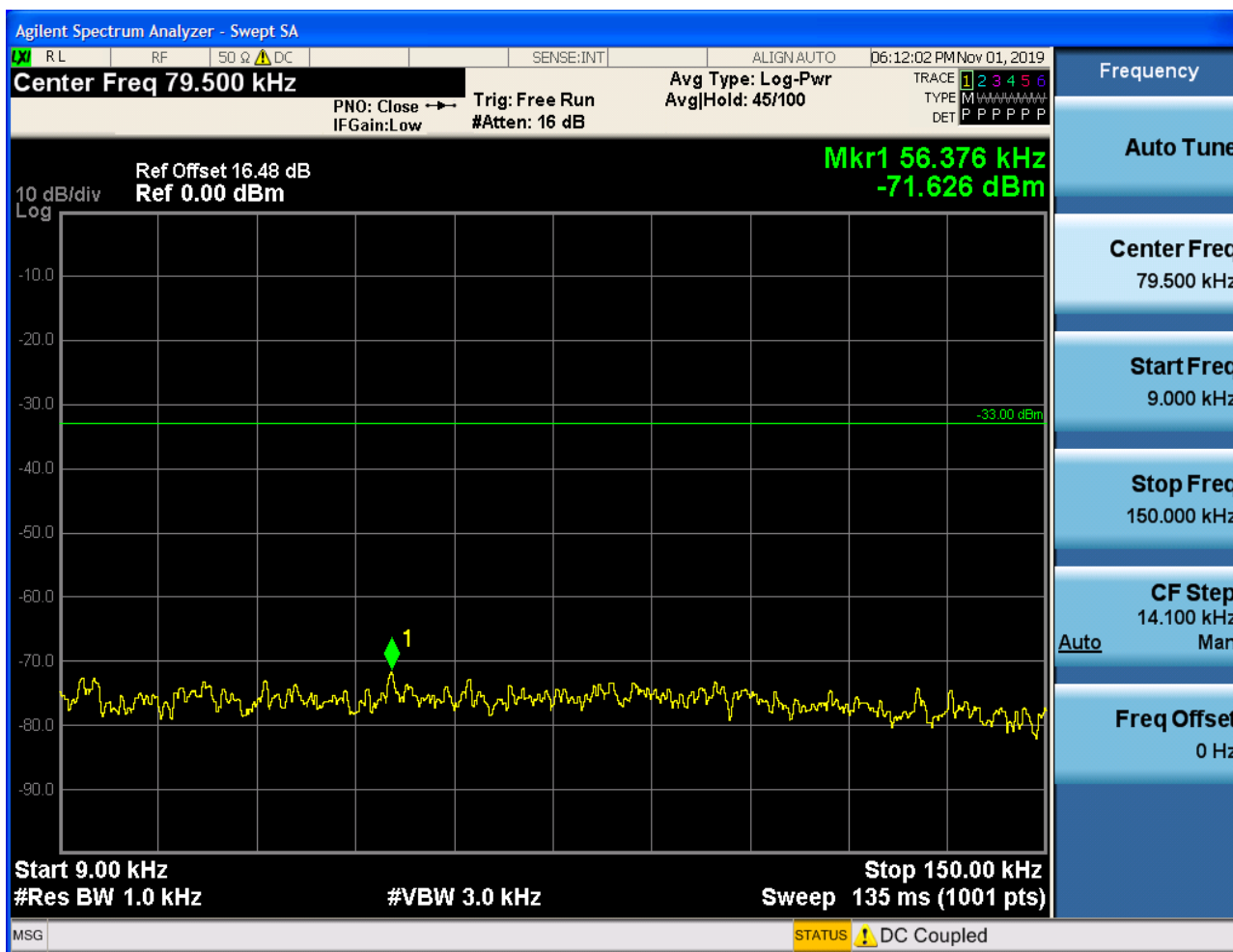


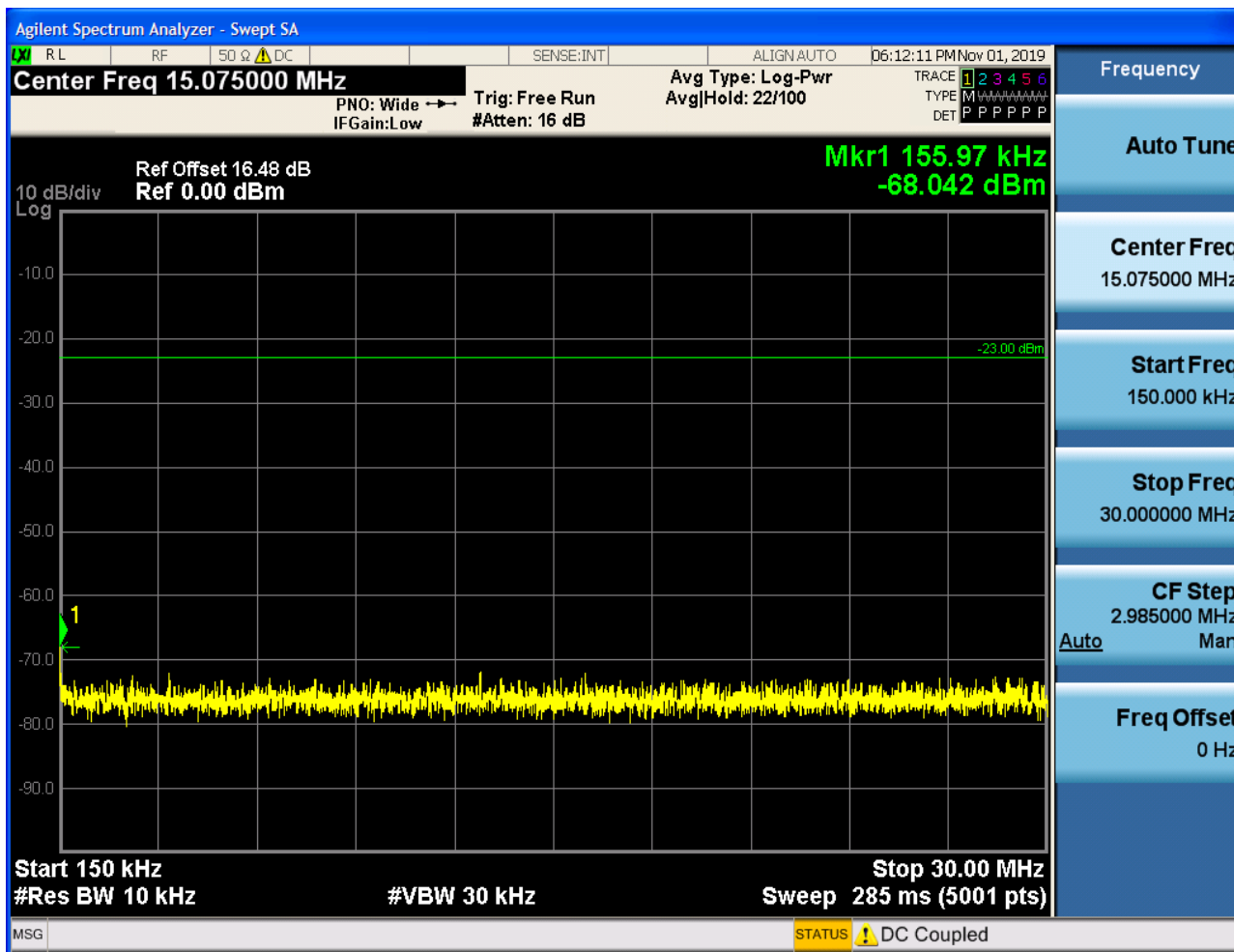


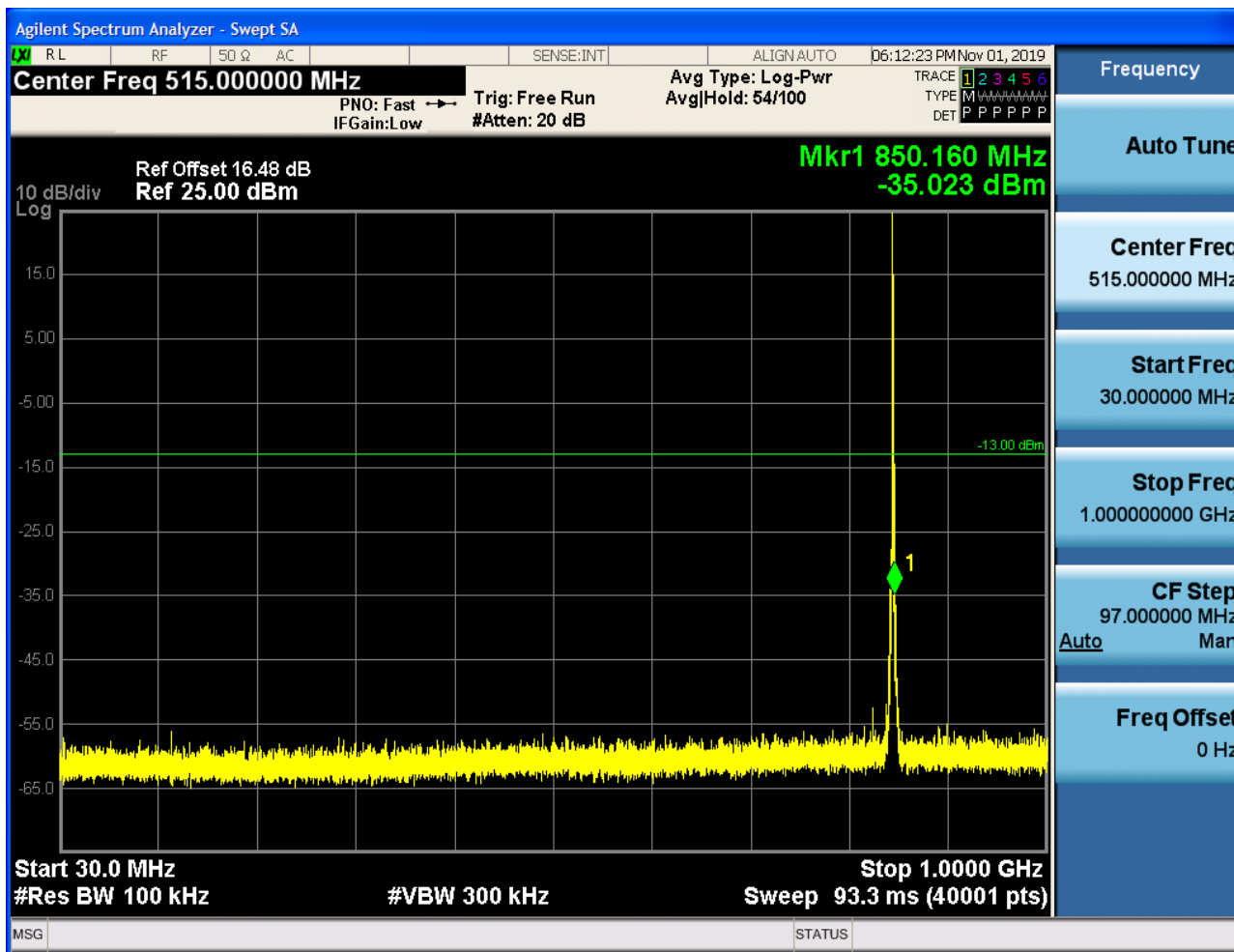


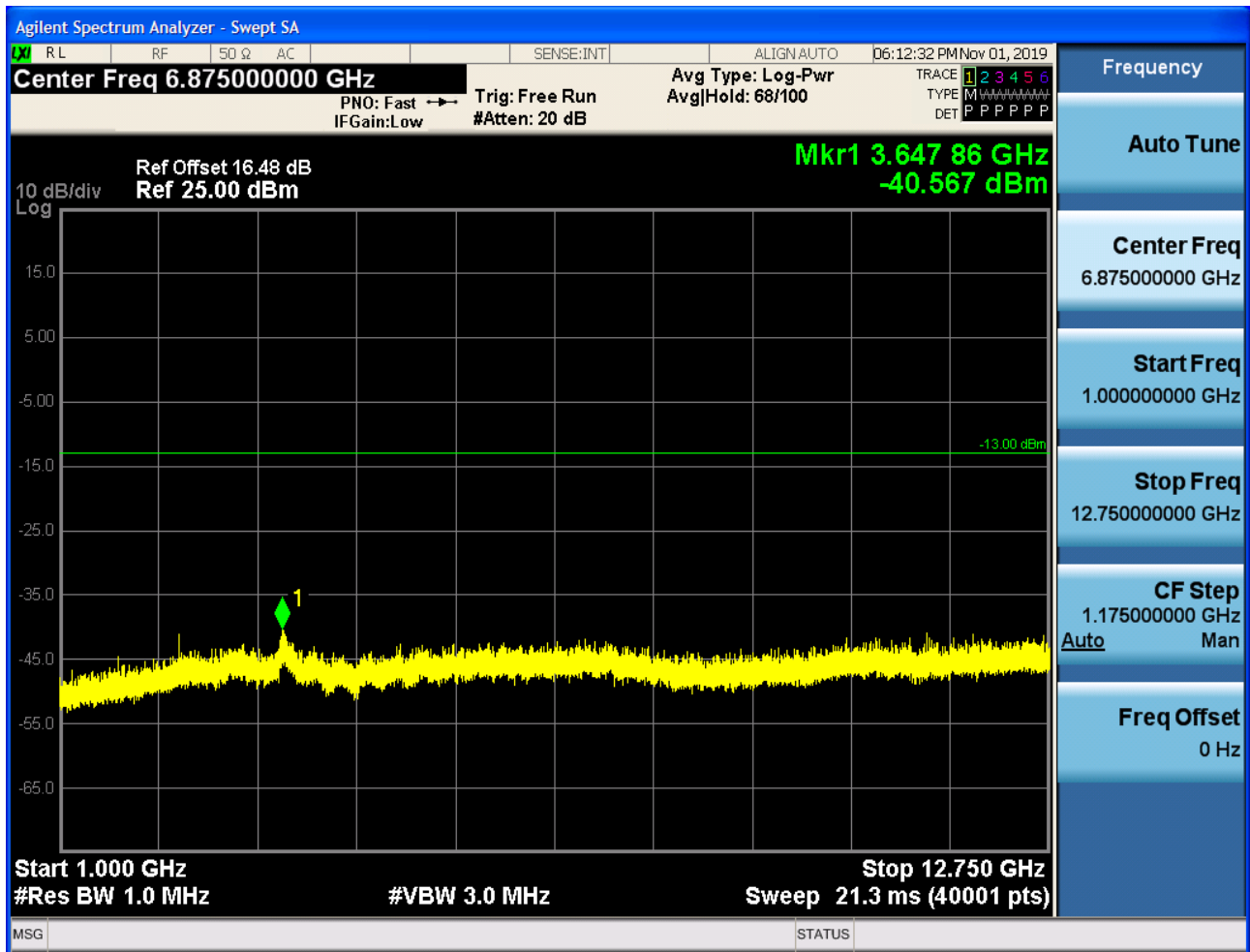
6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0







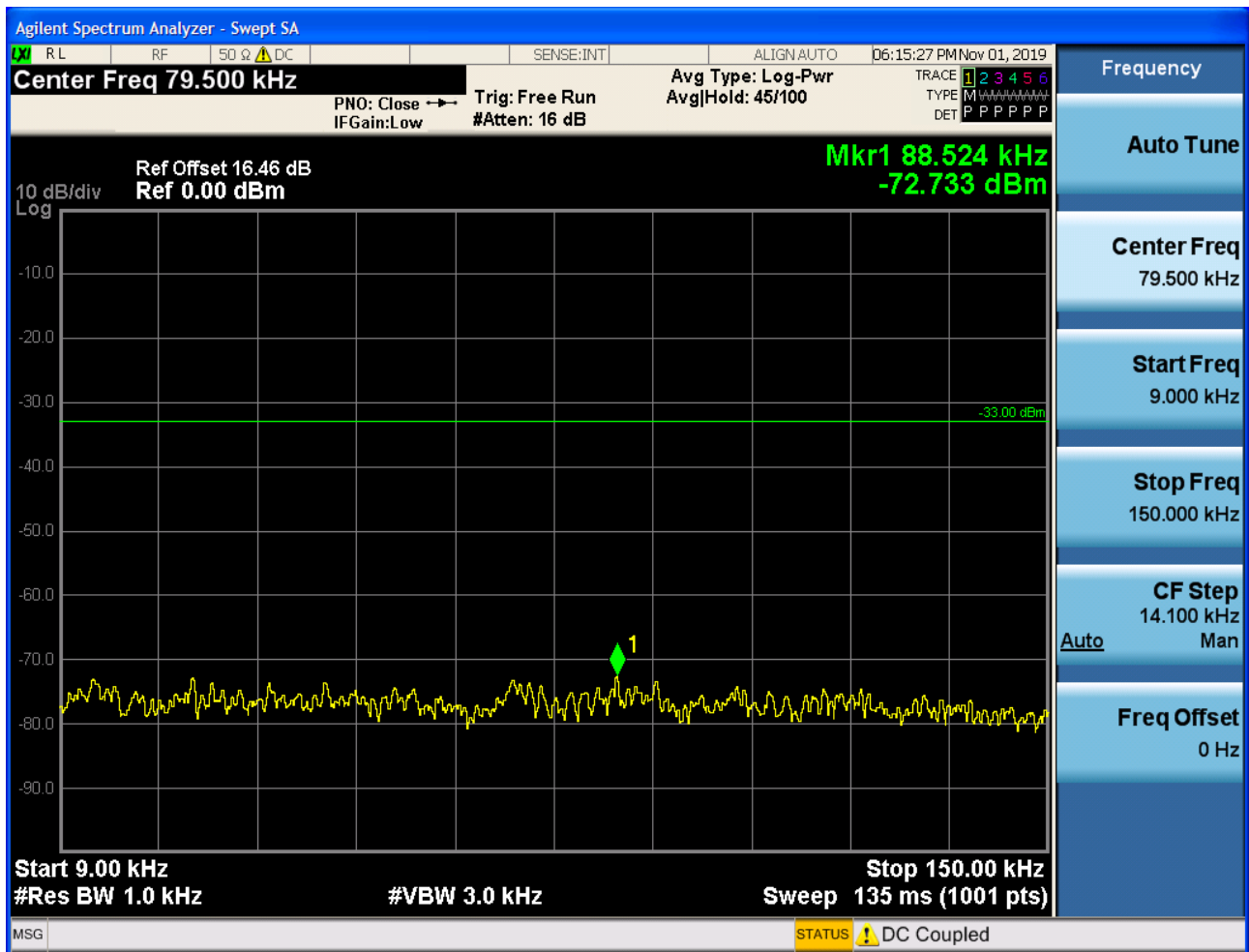


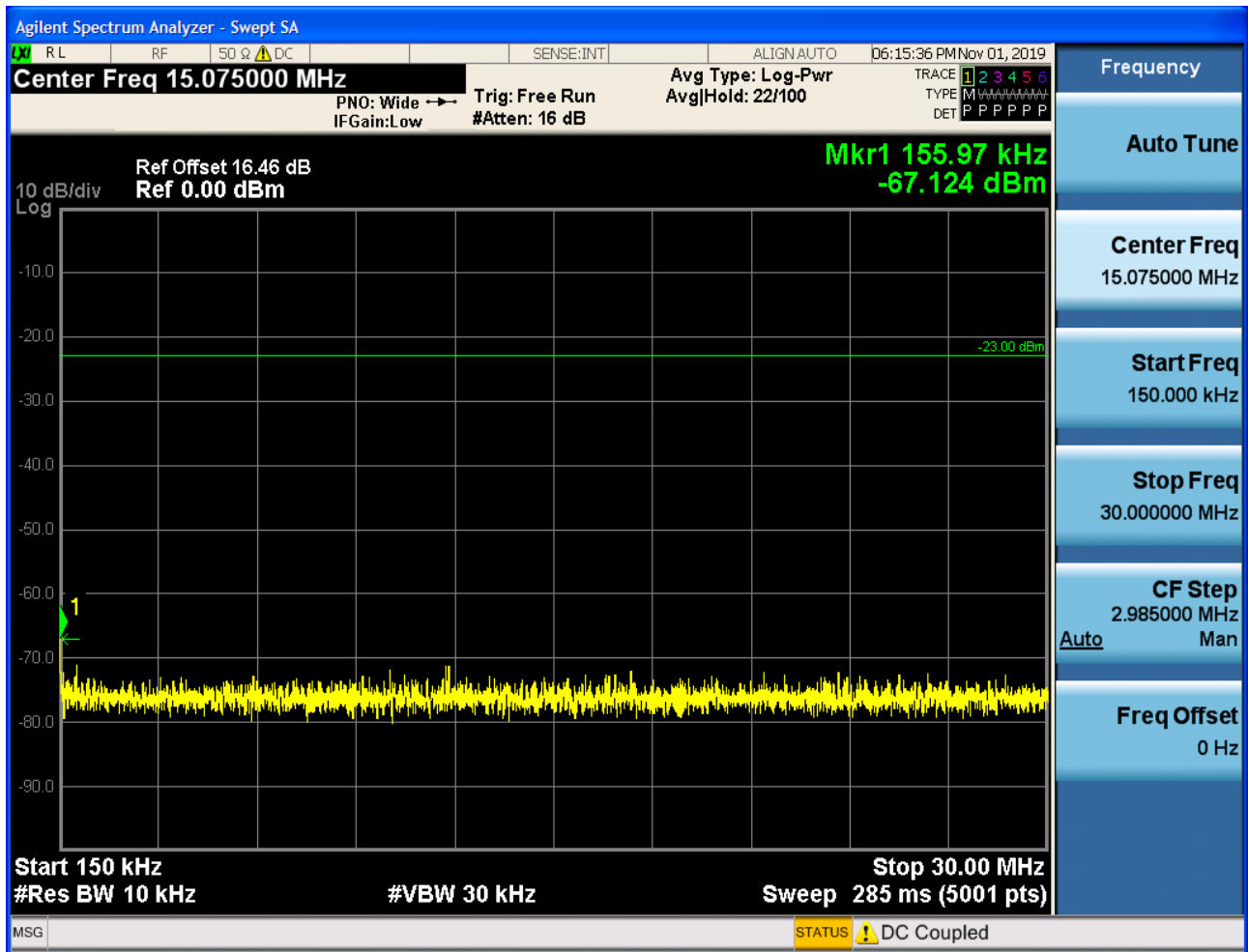


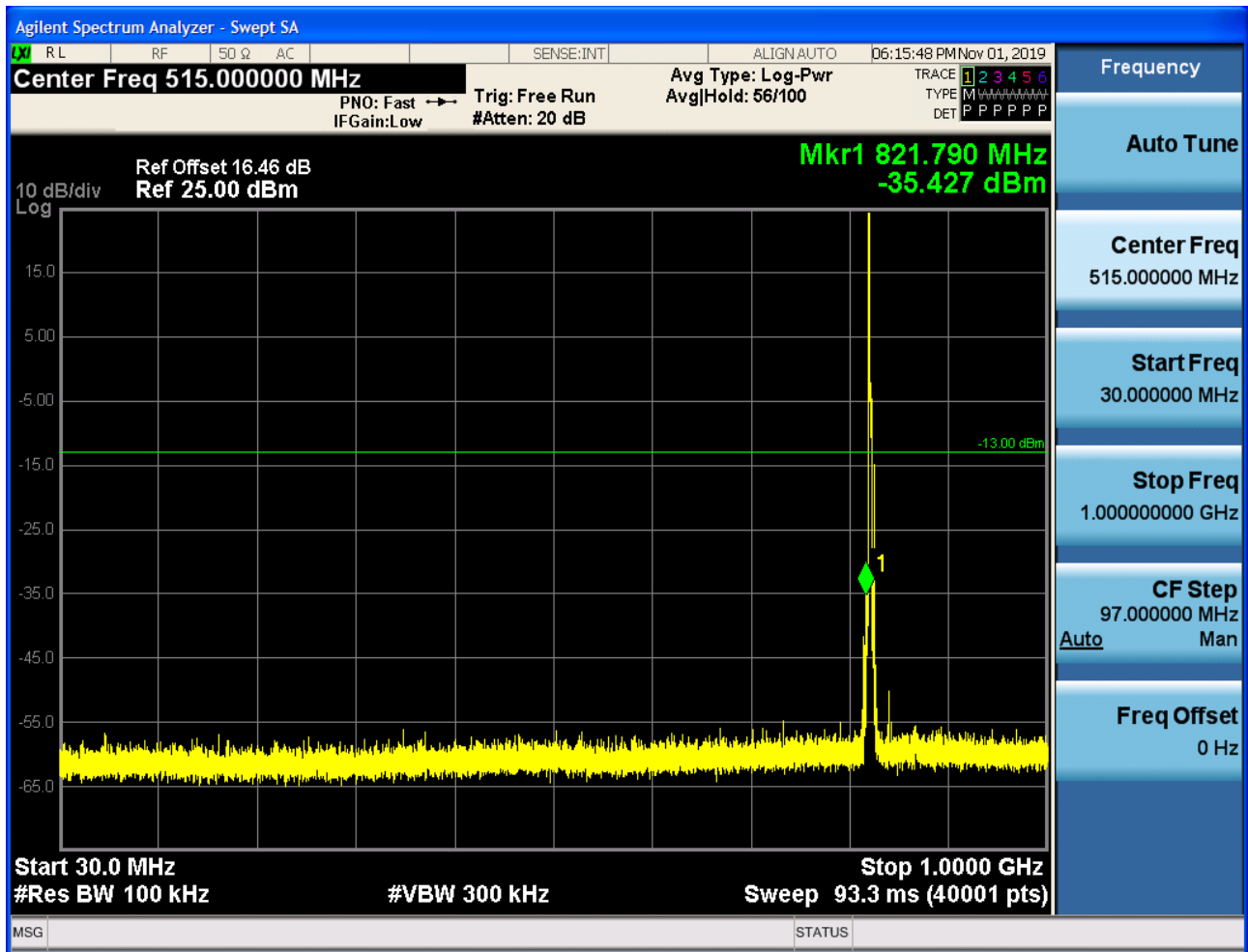
6.2.1.2.2 Test Bandwidth = 3

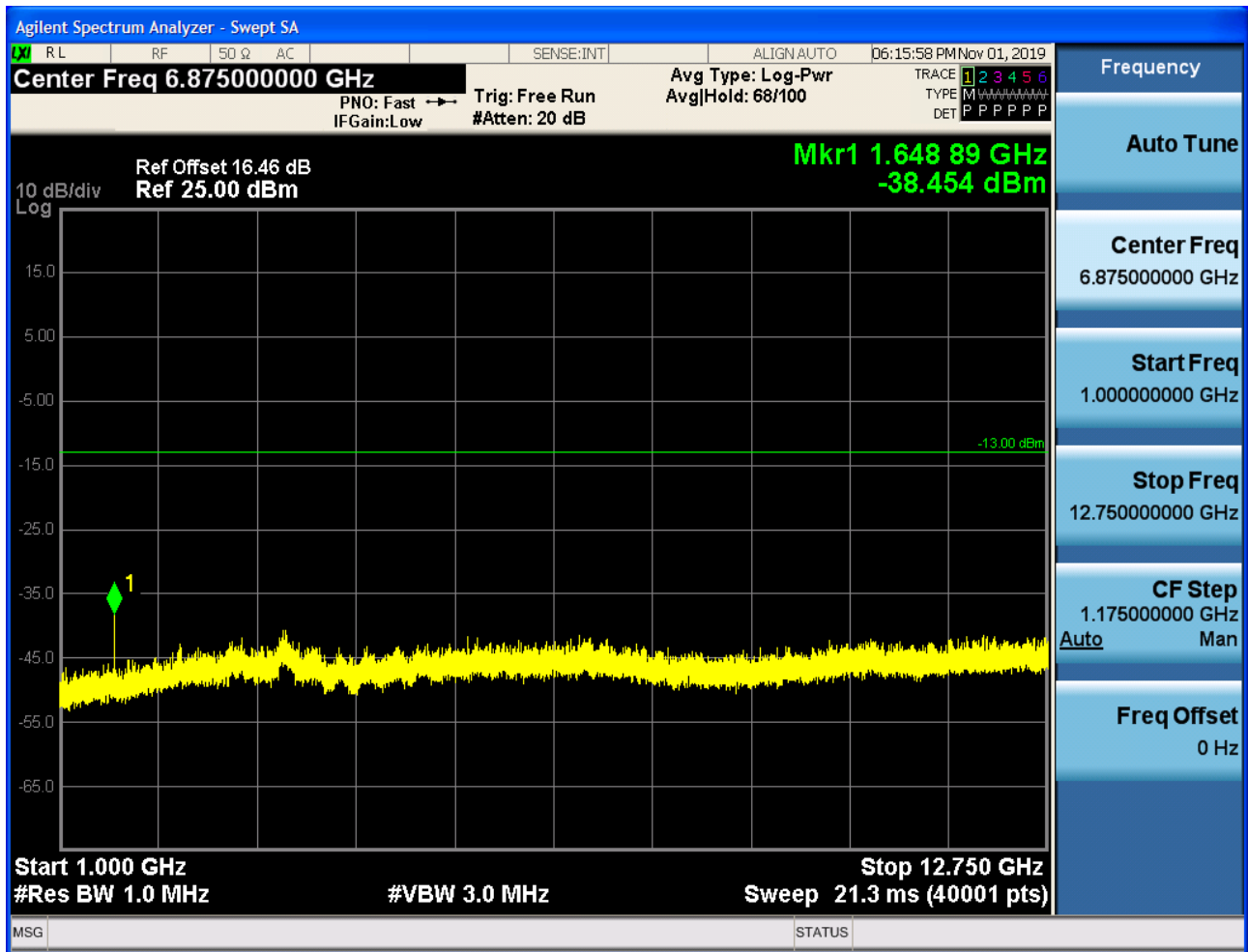
6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0





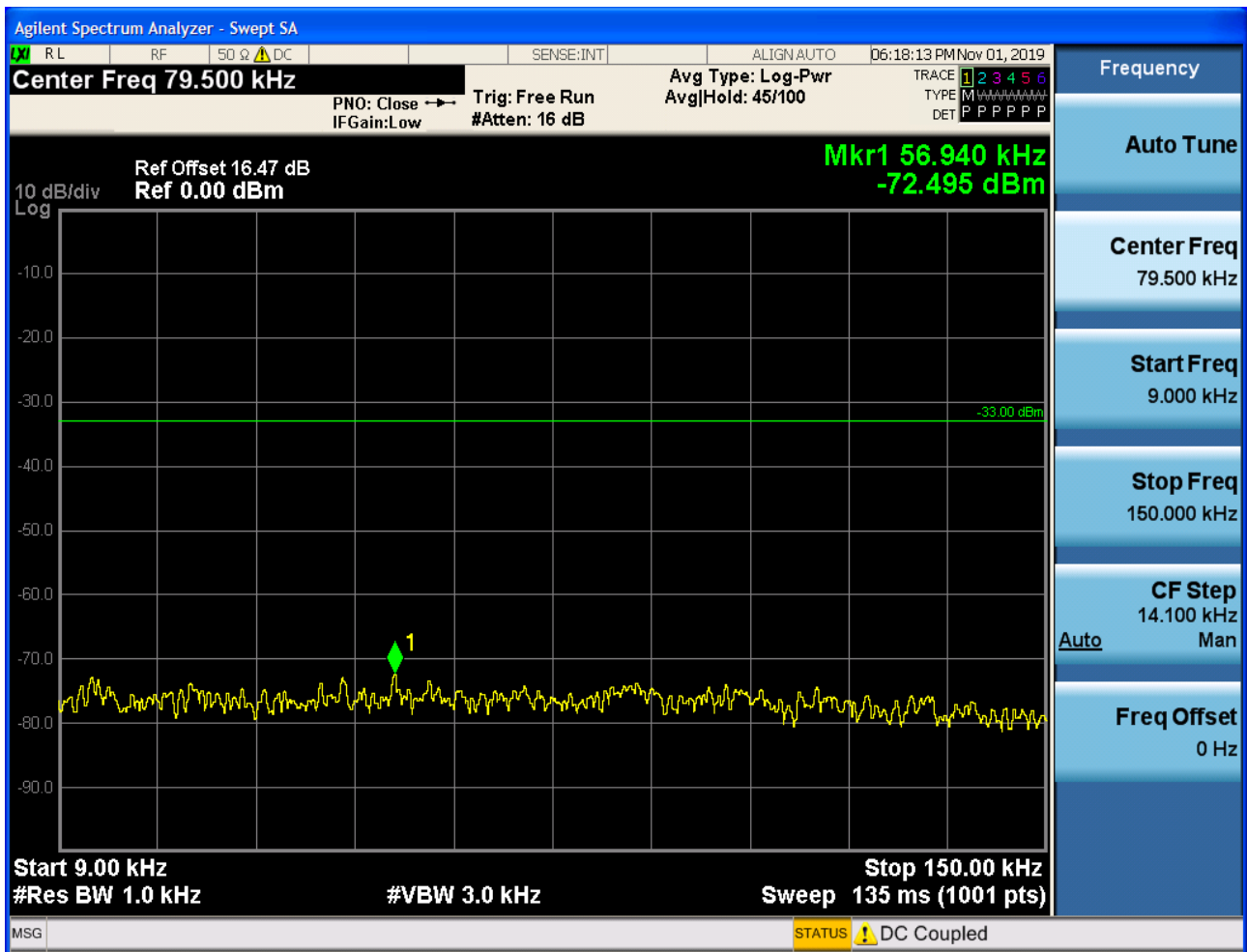


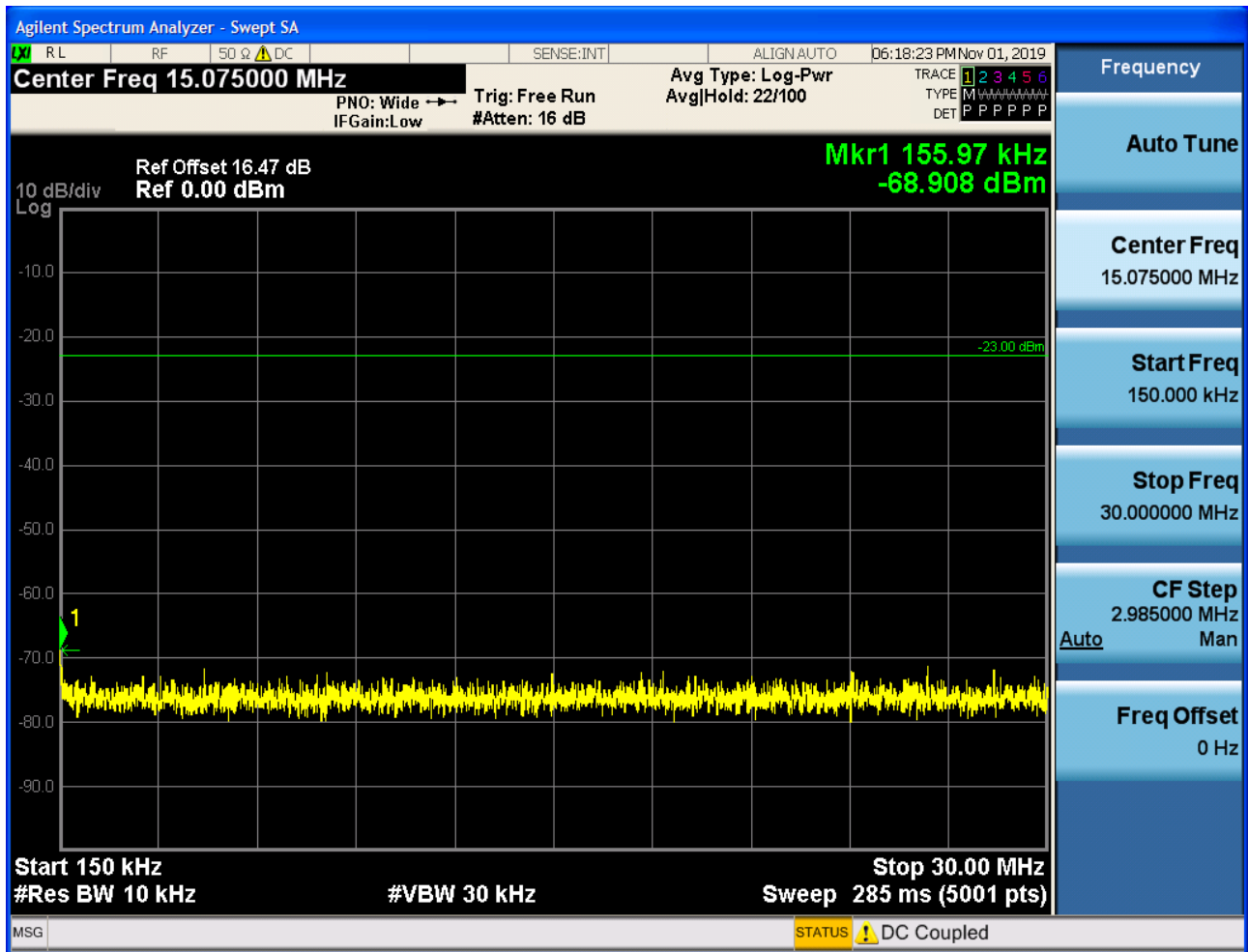


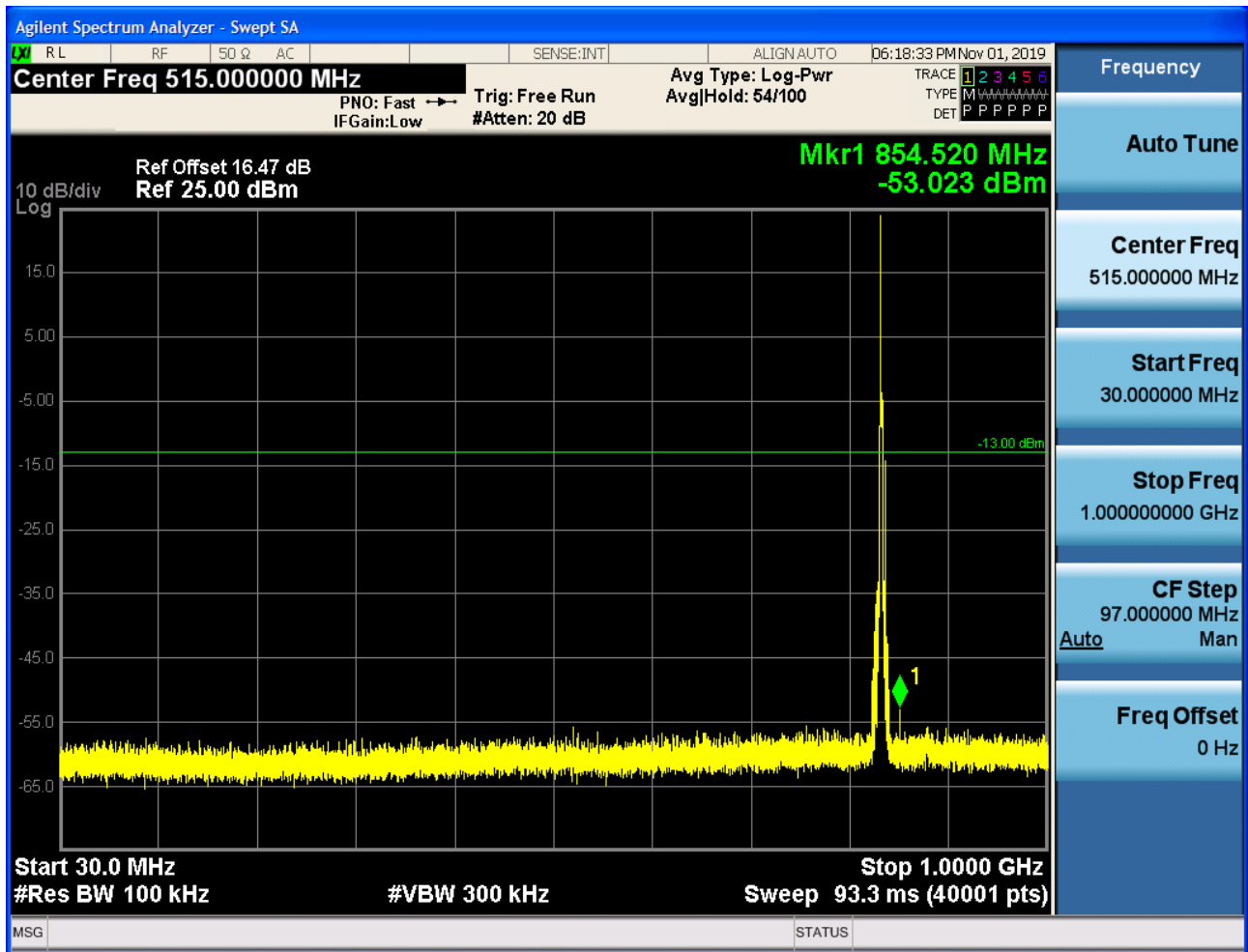


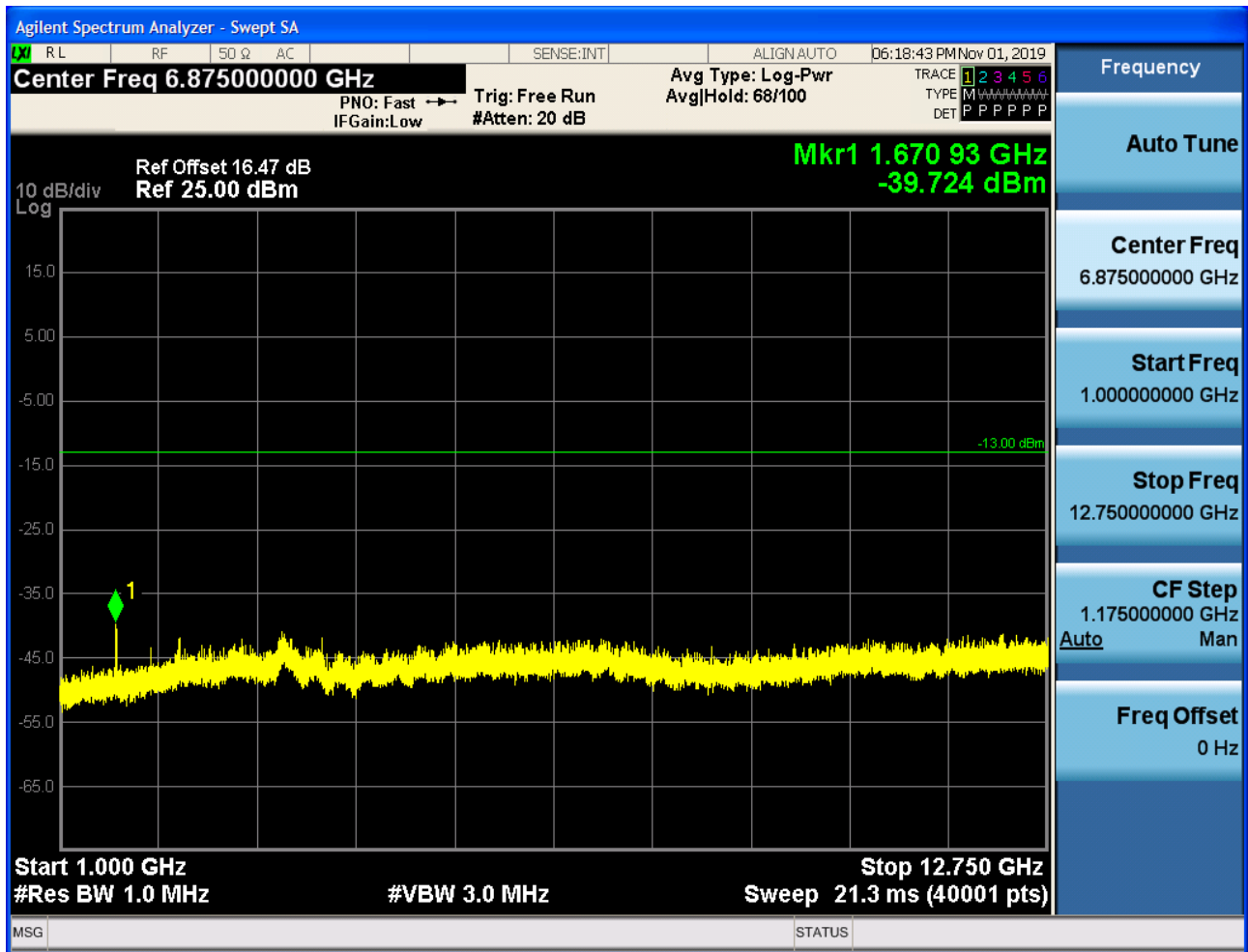
6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.1 Test RB = RB1#0





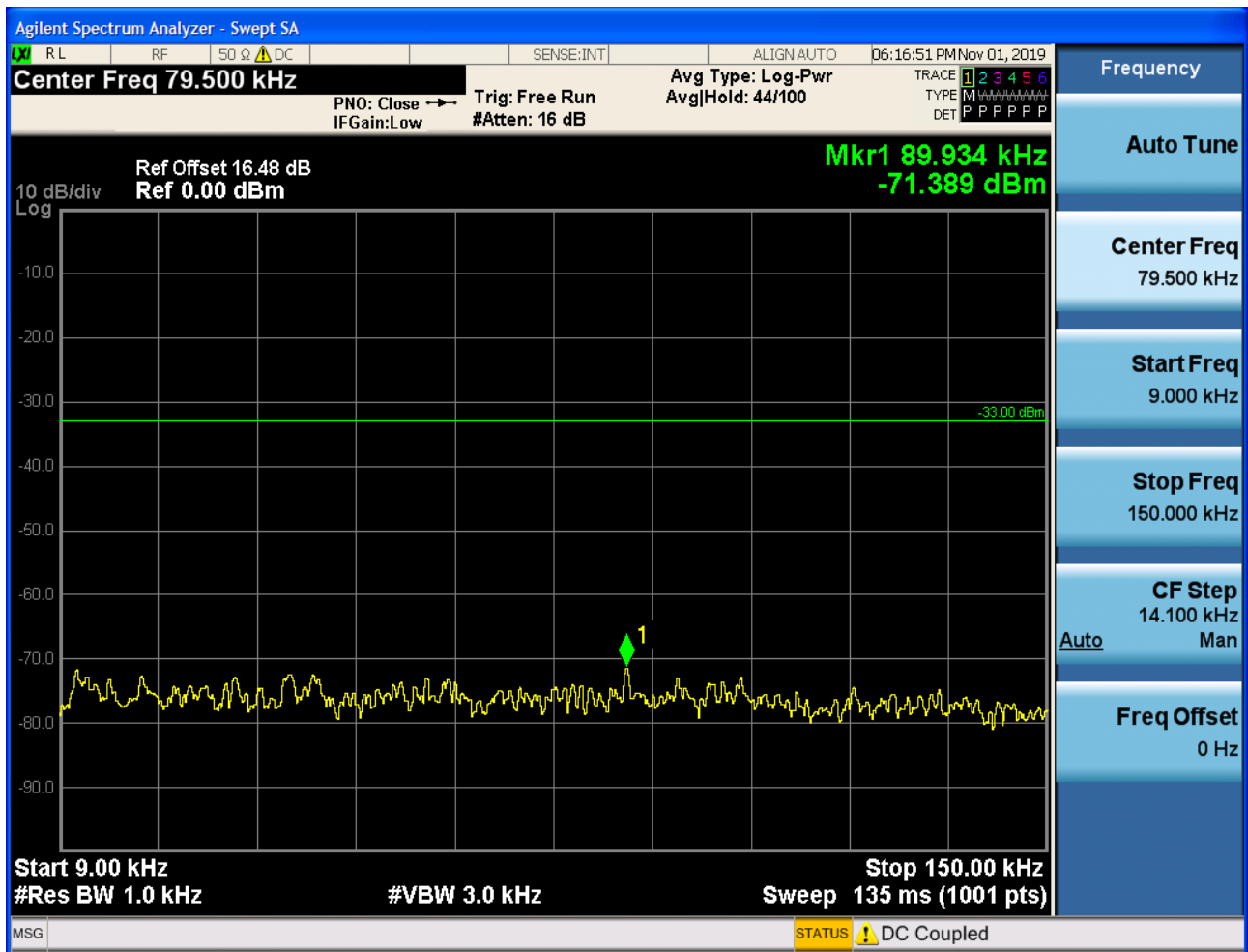


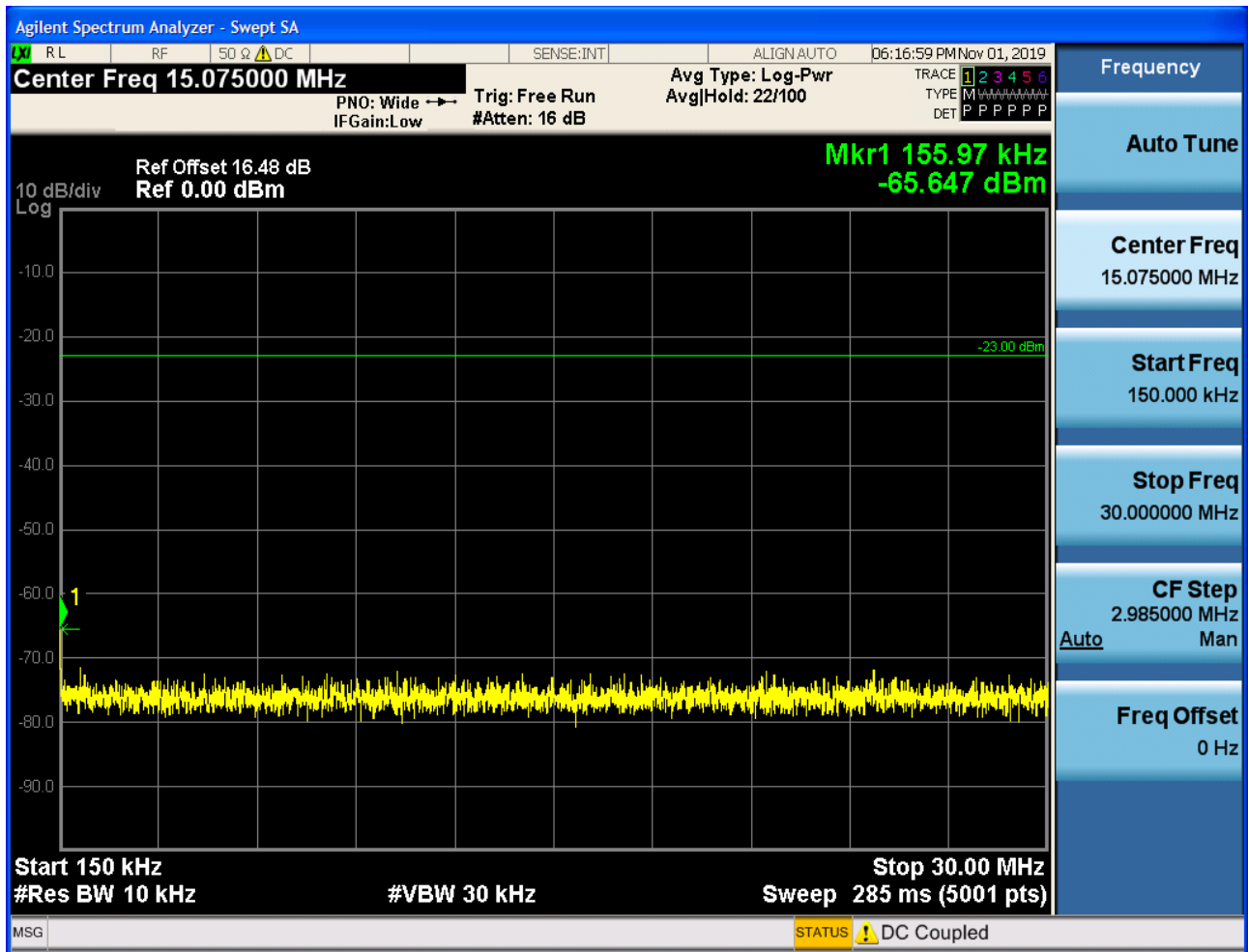


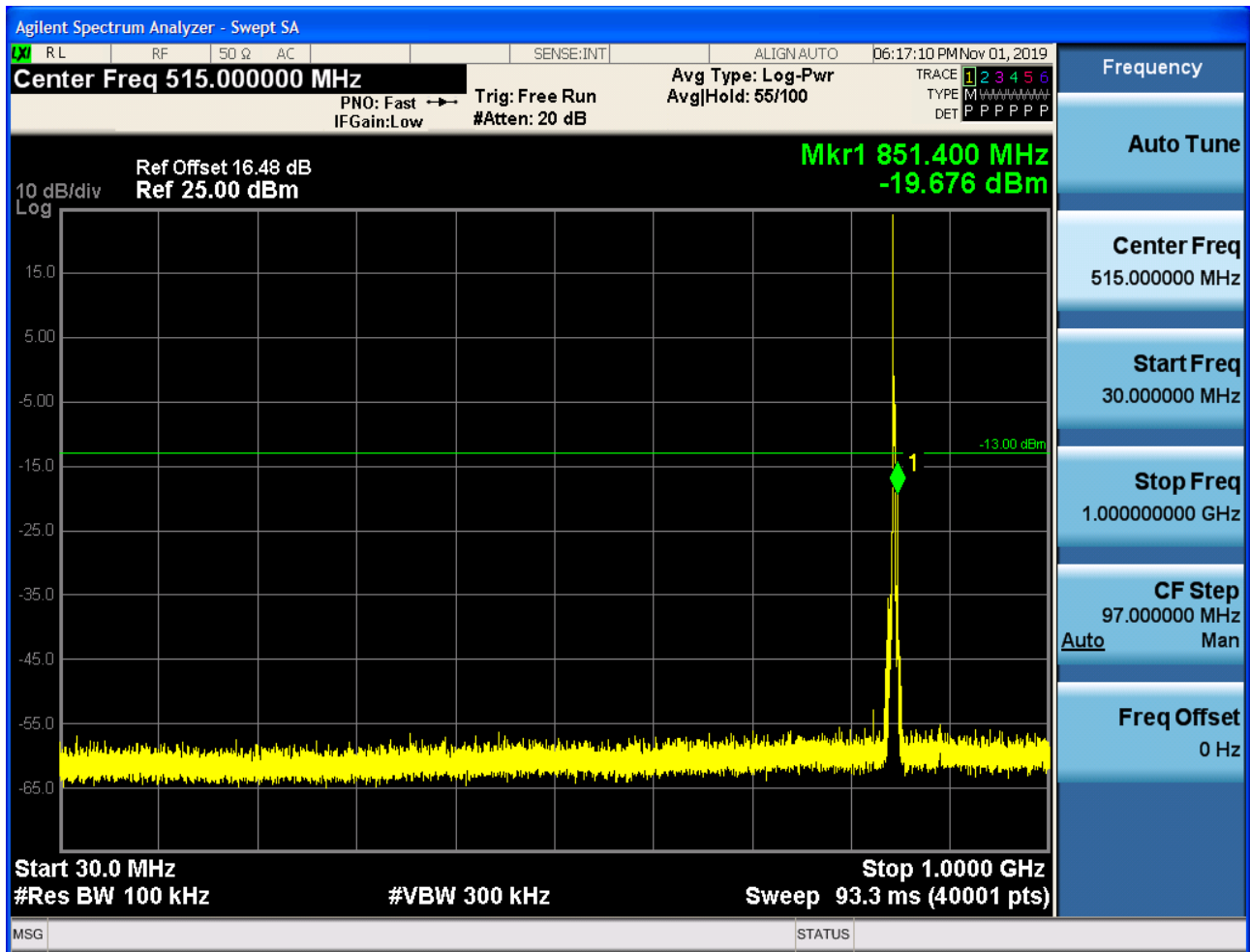


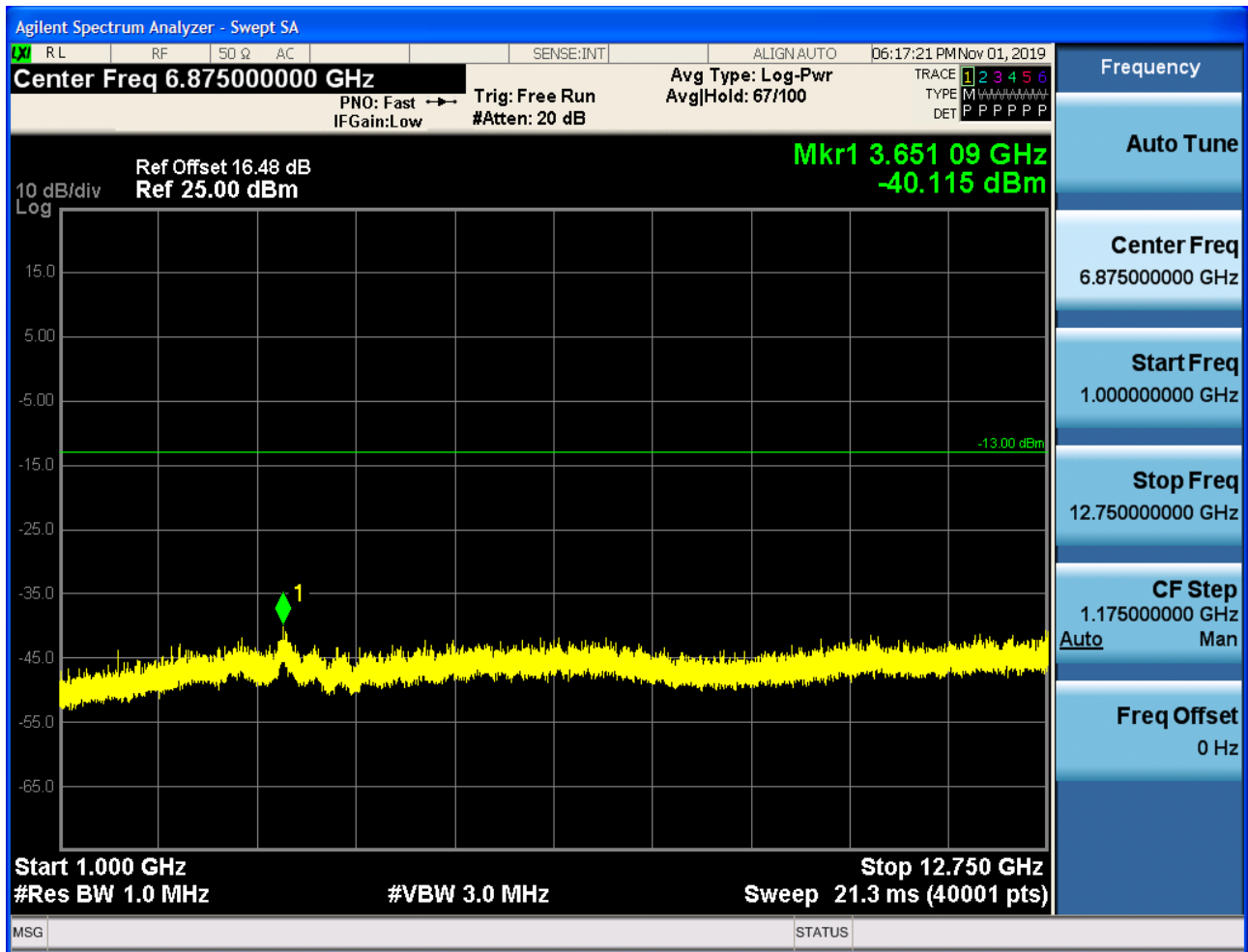
6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0







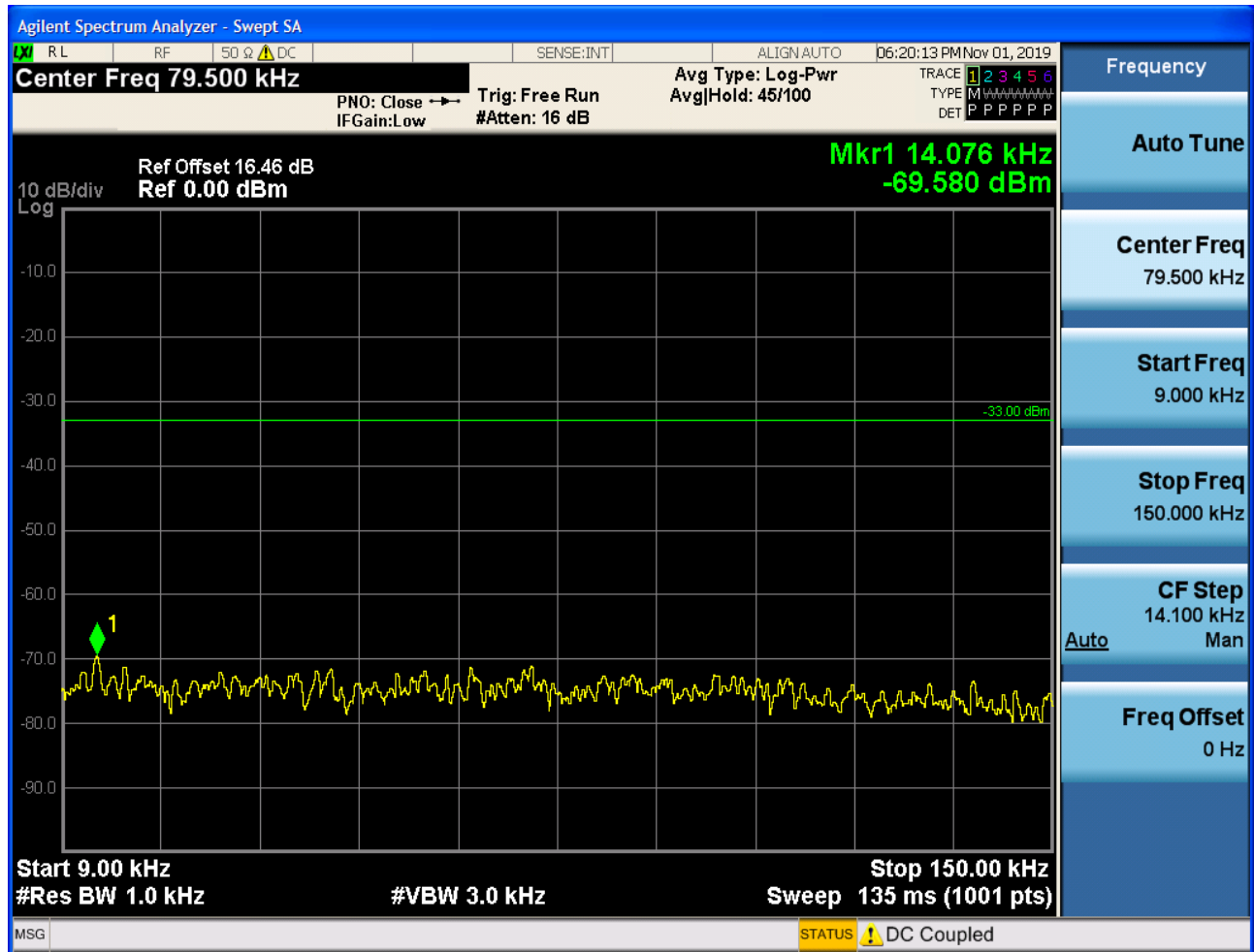


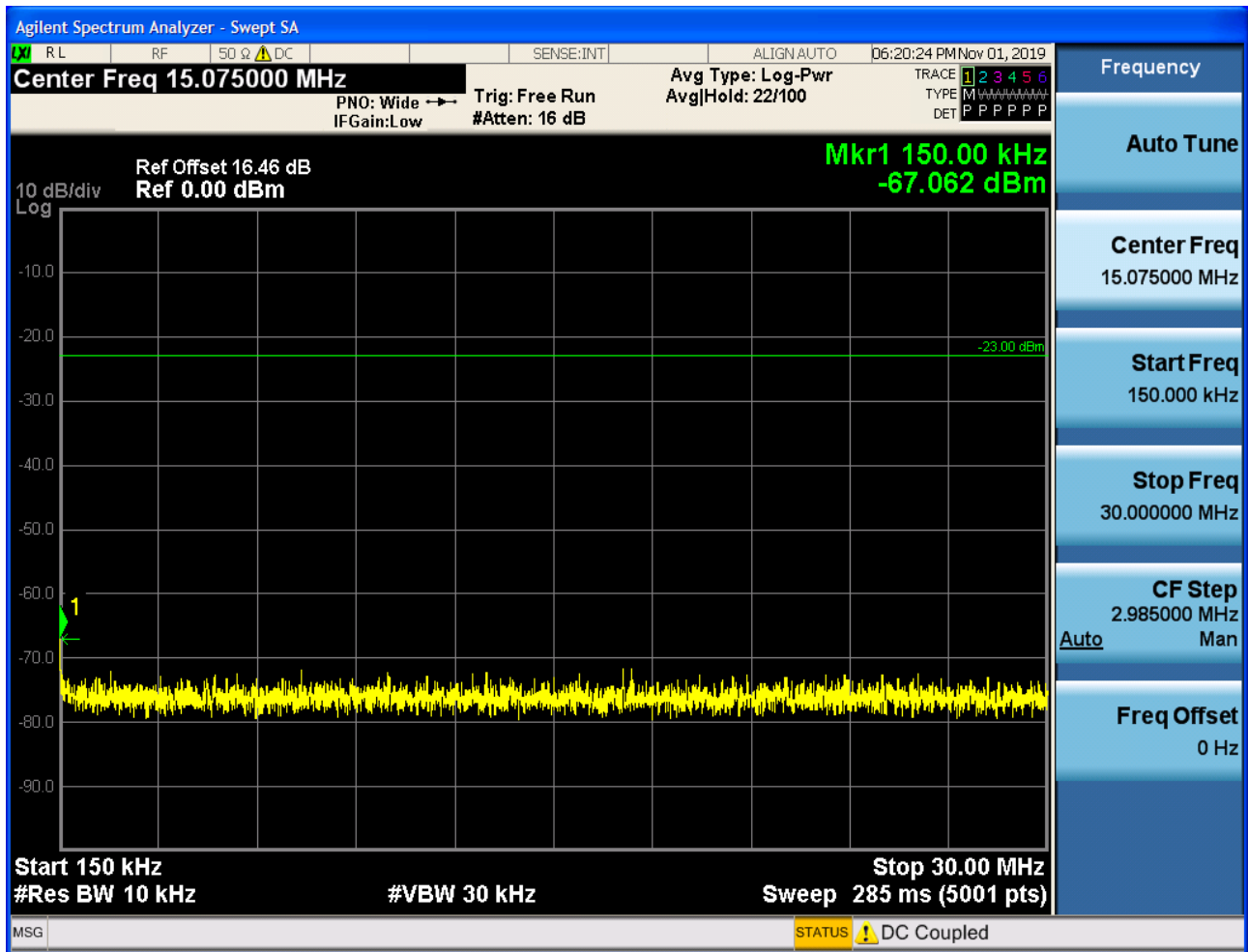


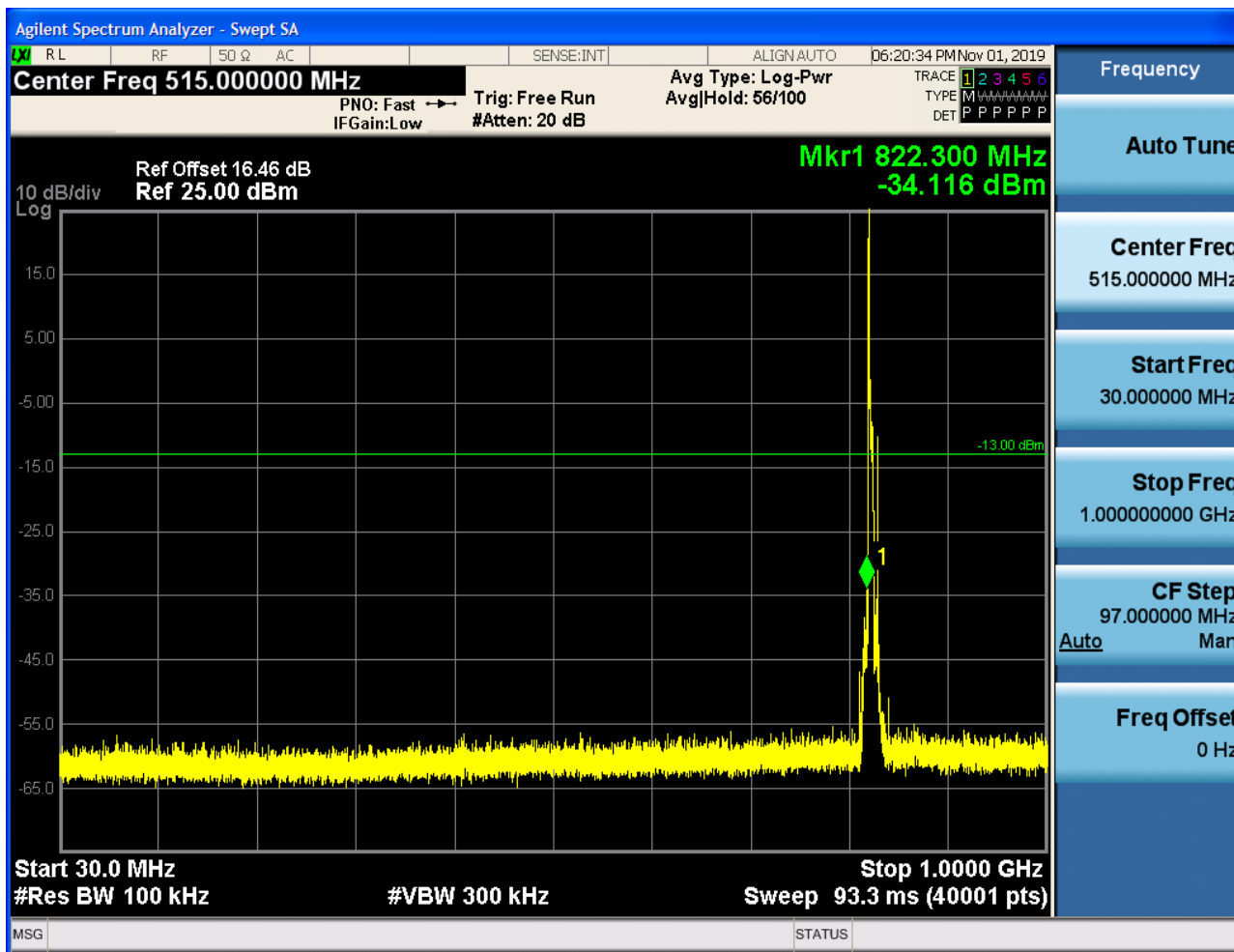
6.2.1.2.3 Test Bandwidth = 5

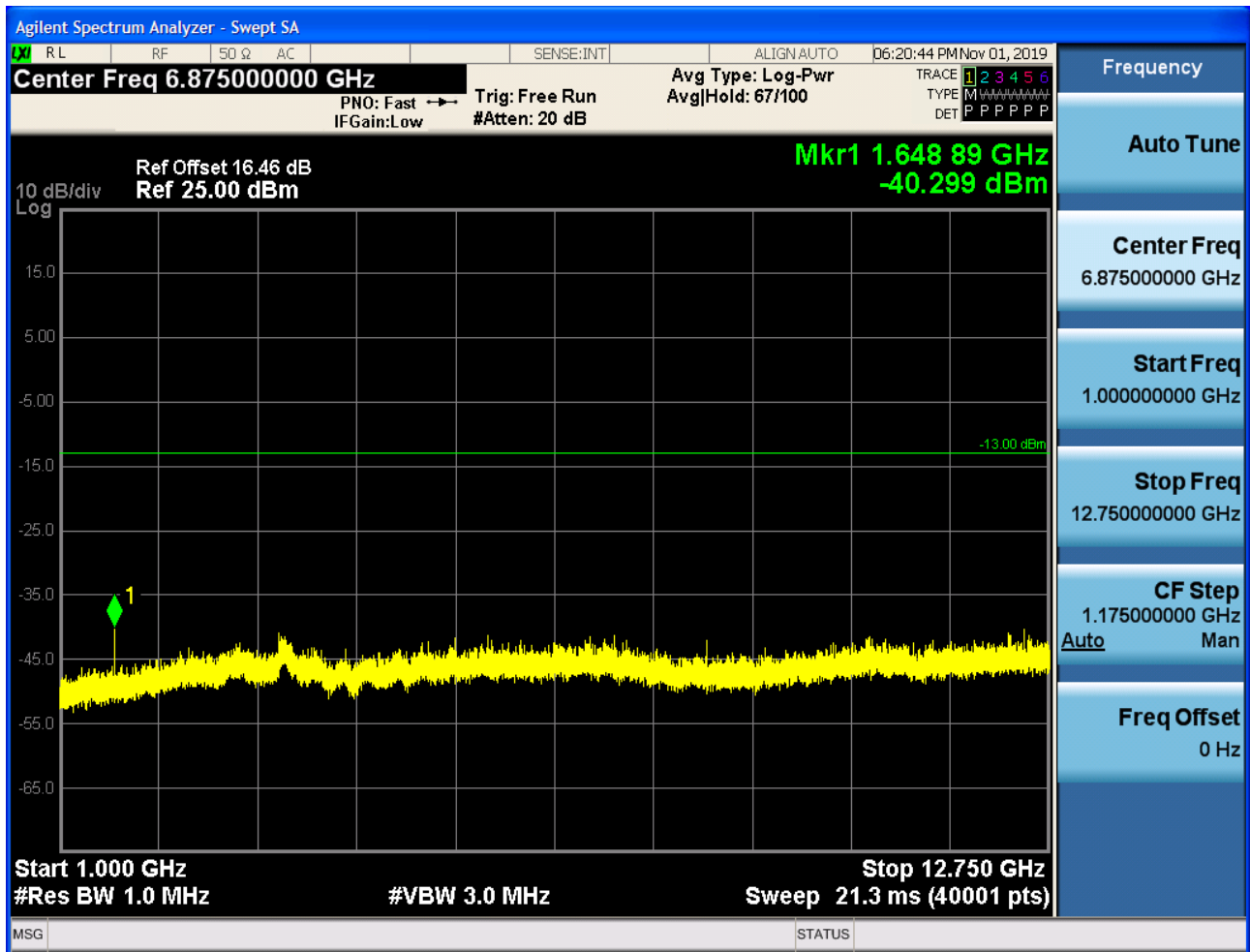
6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0





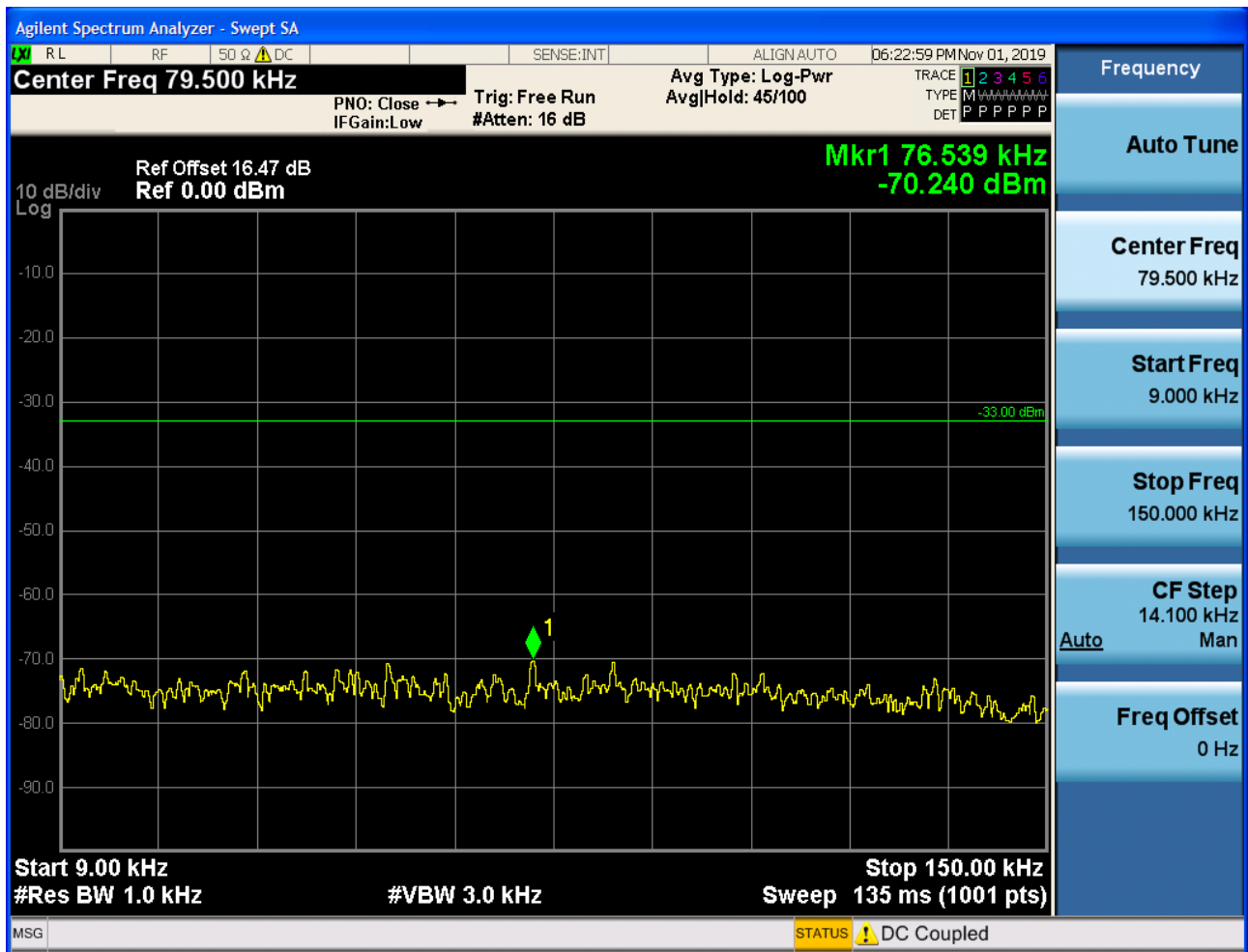


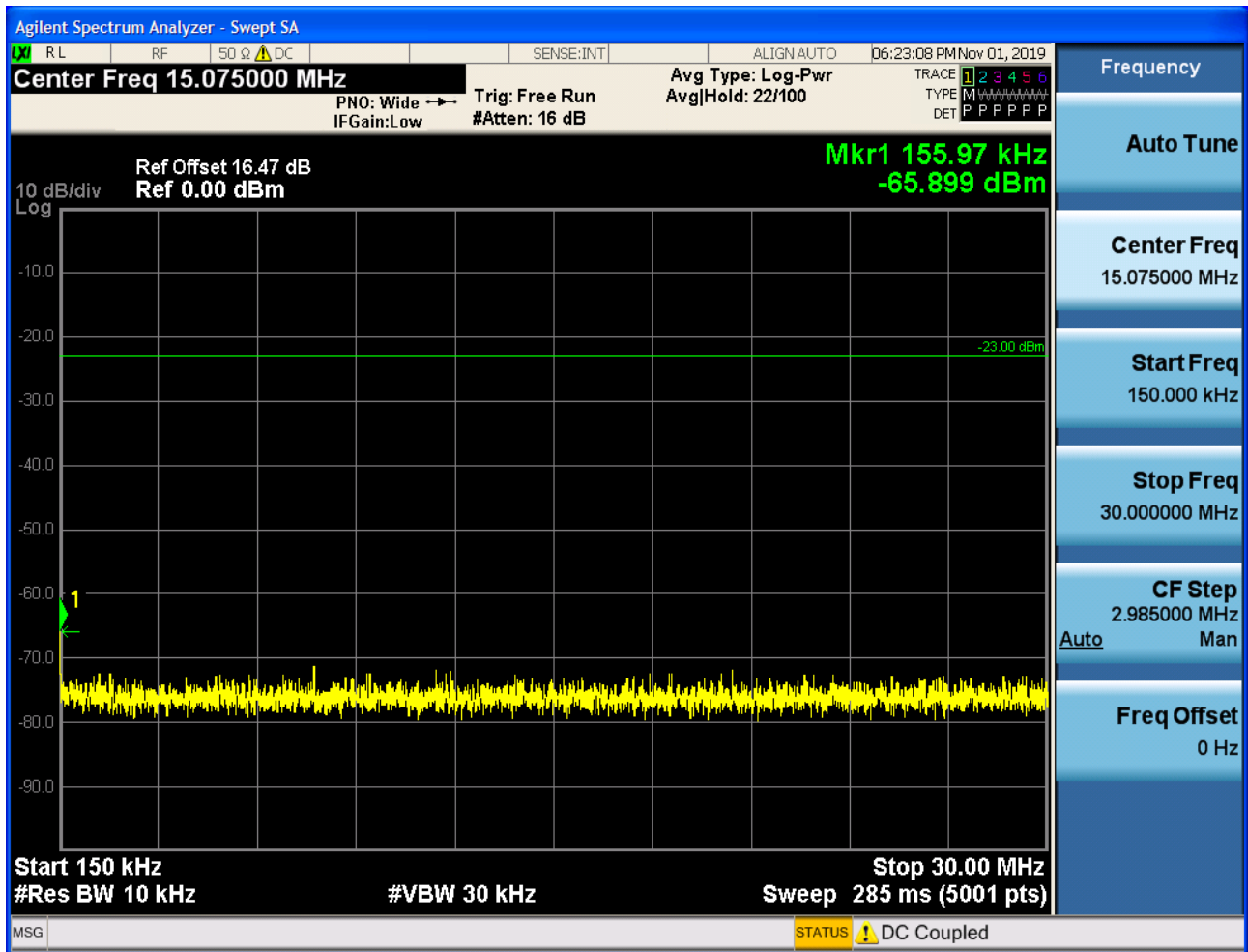


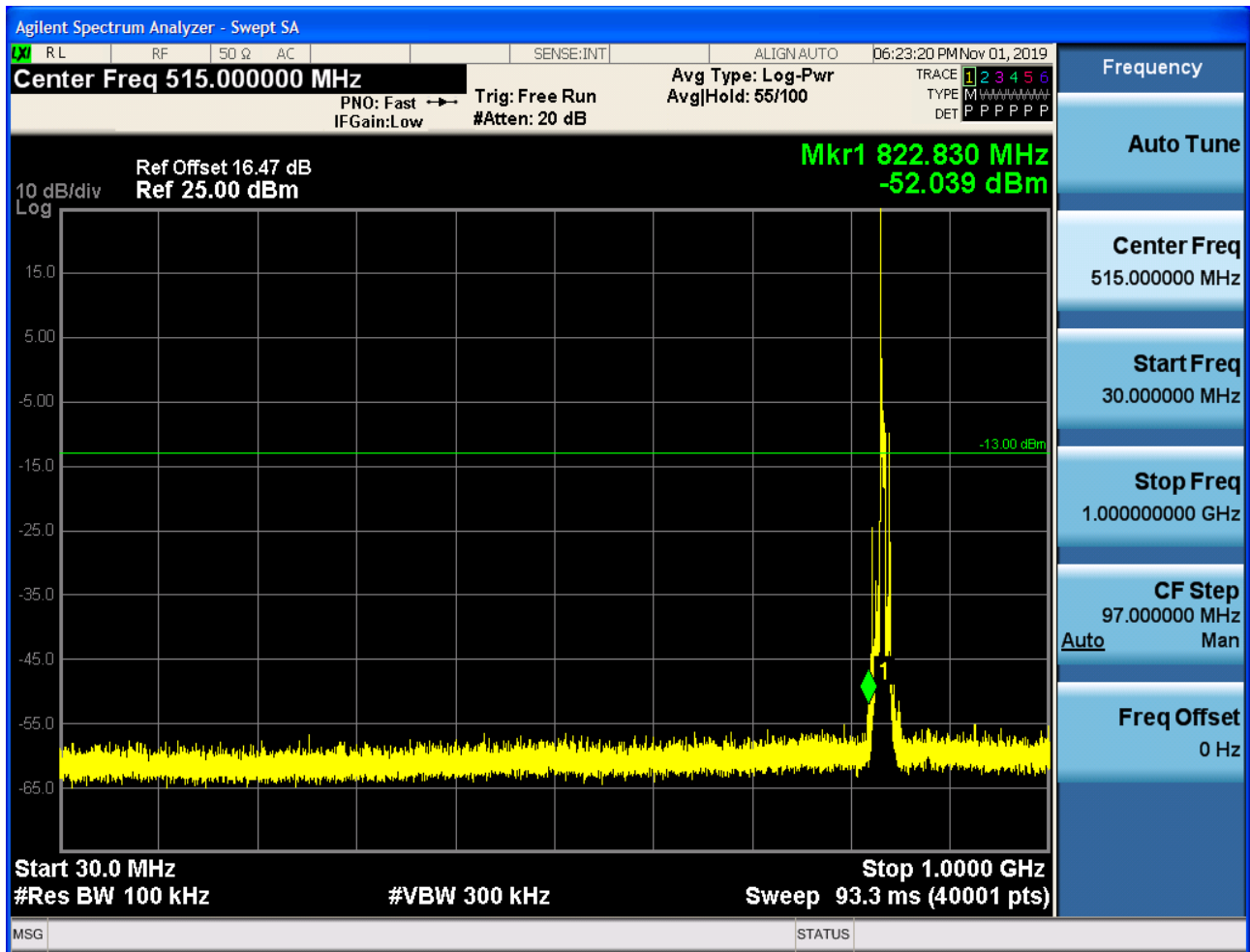


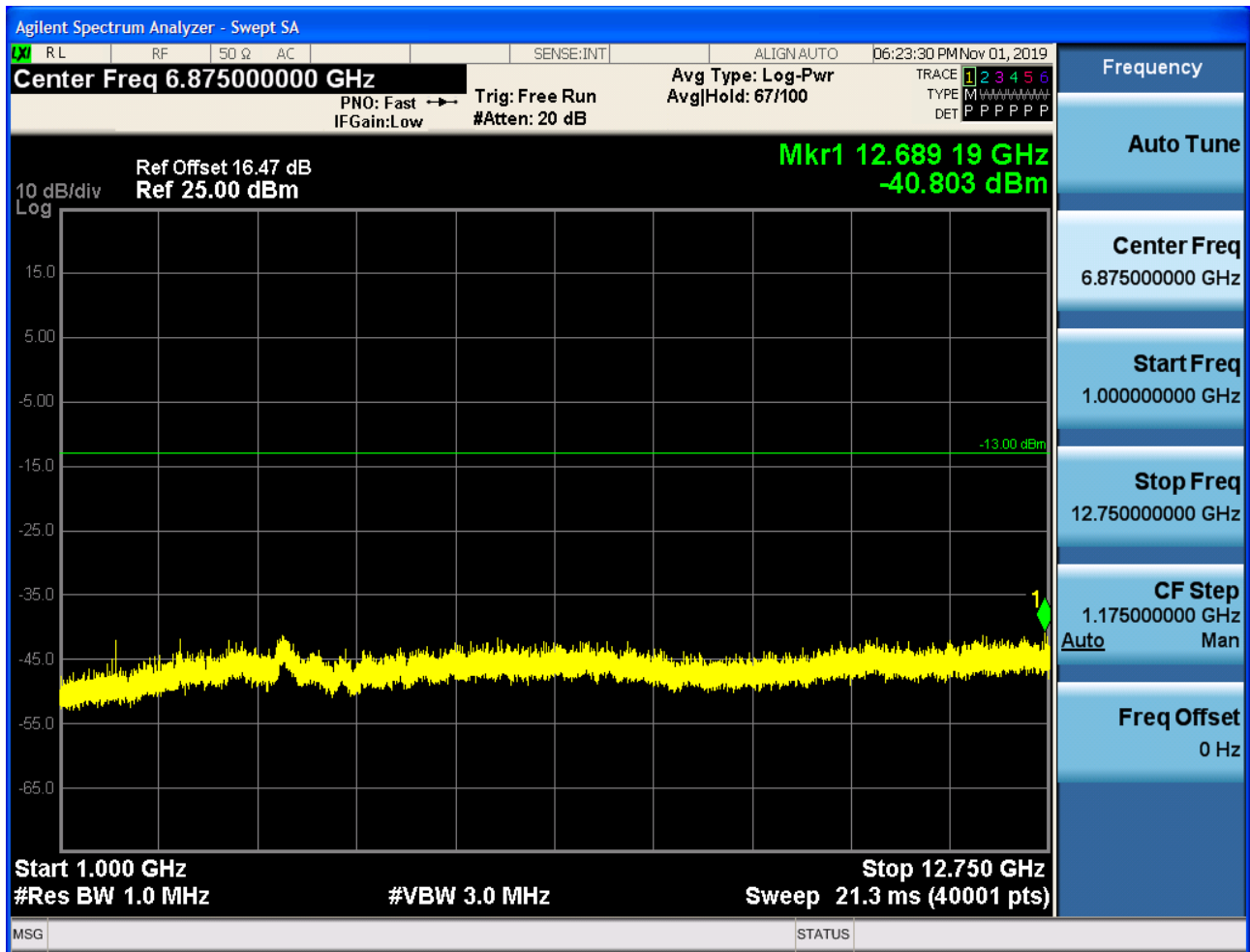
6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0





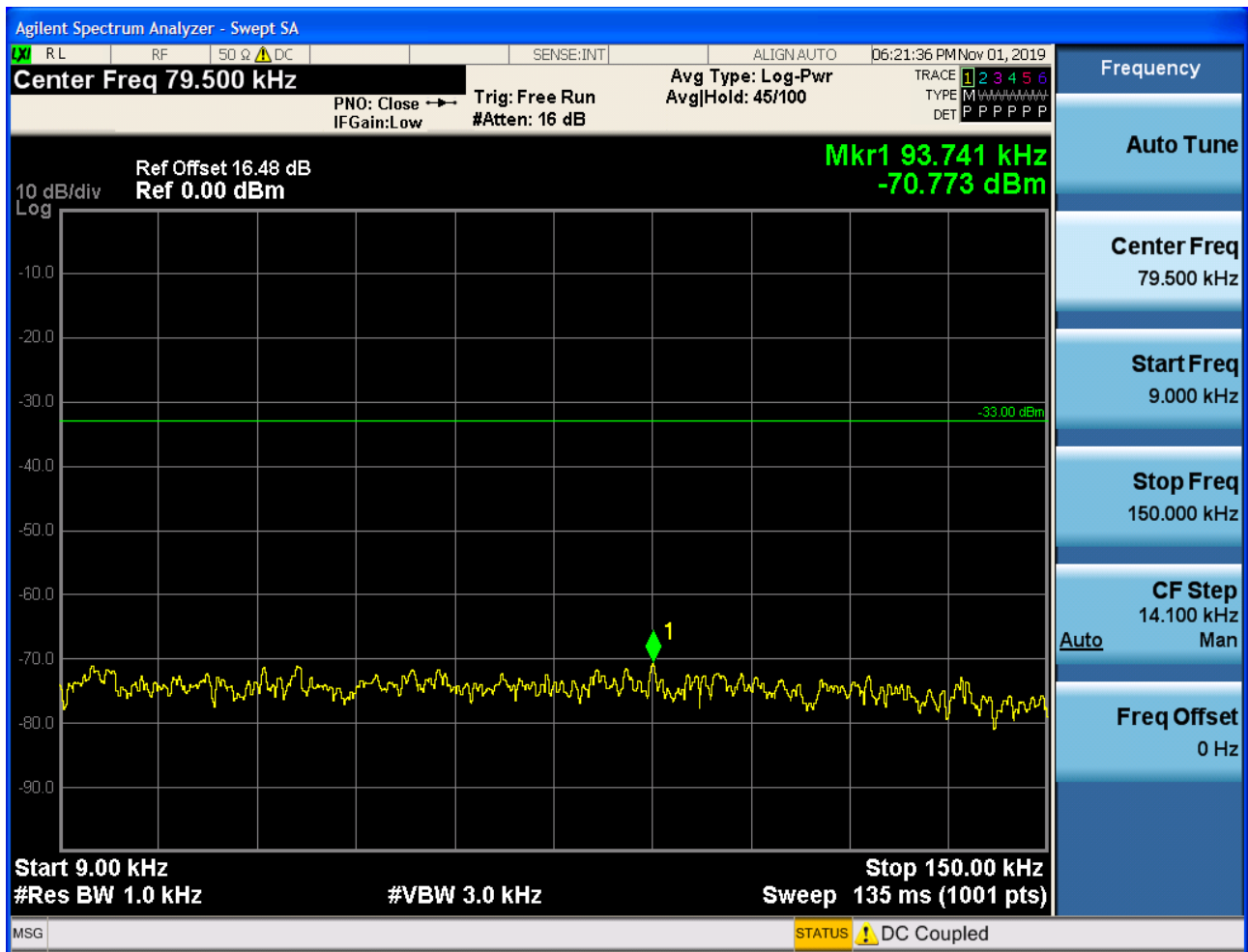


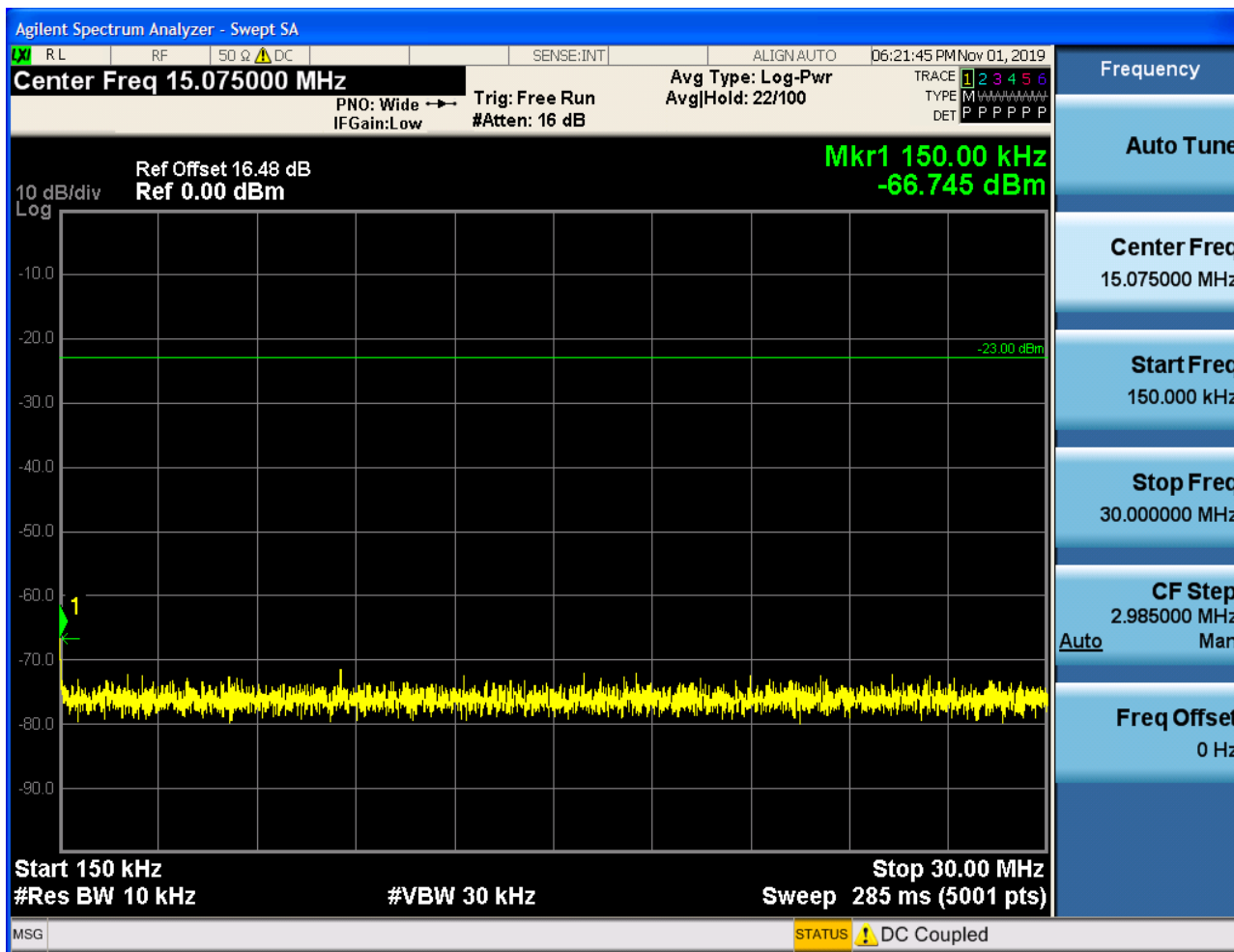


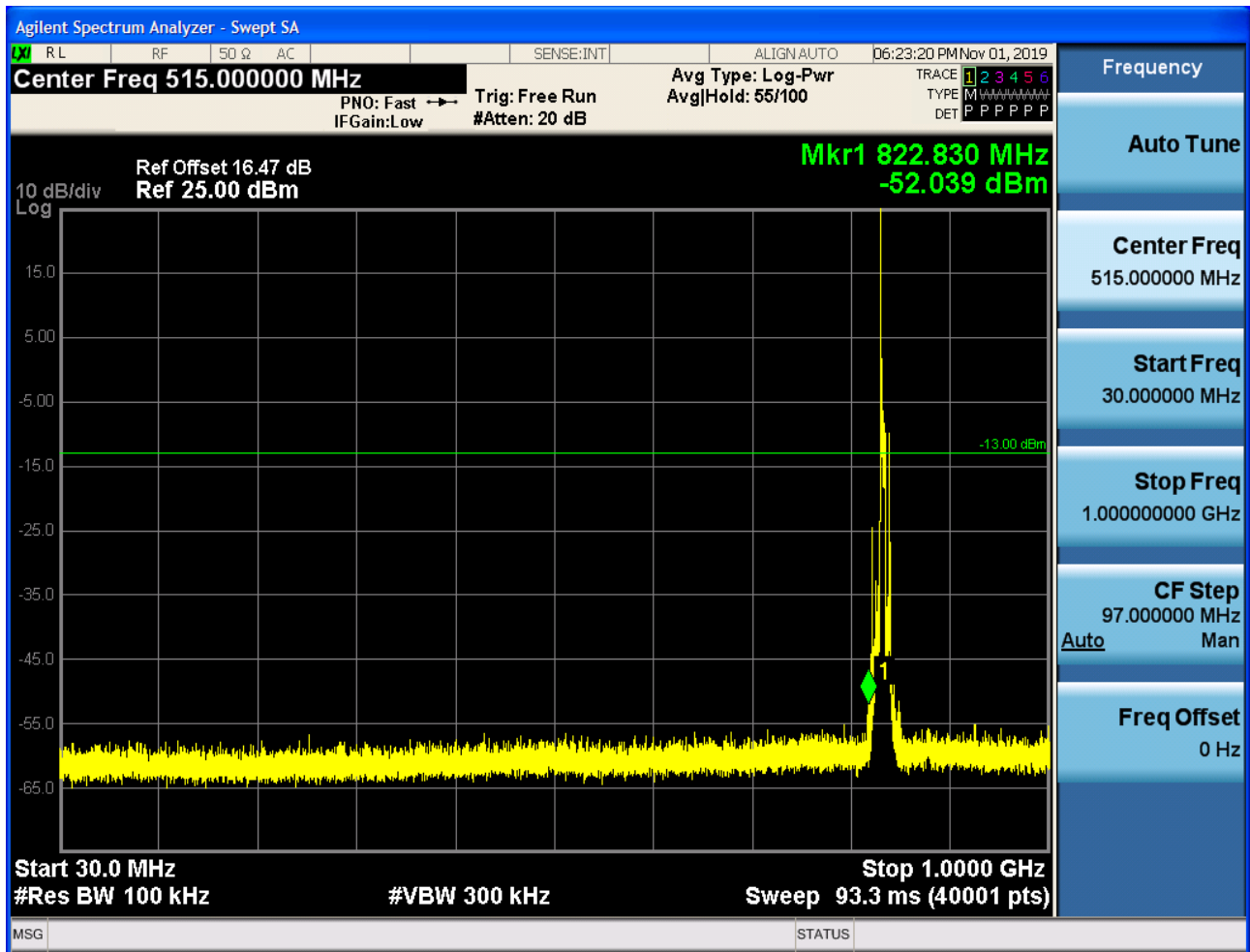


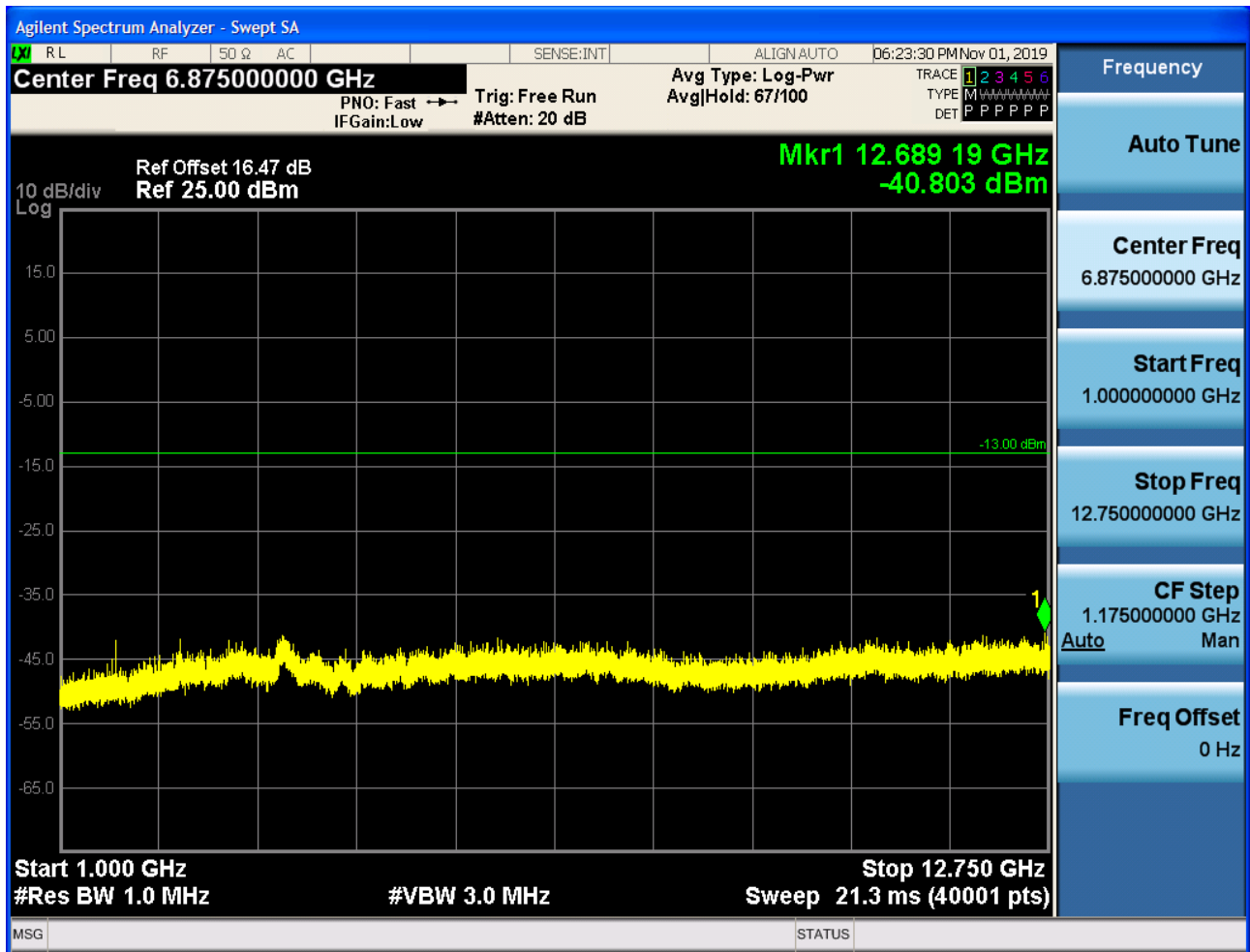
6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0







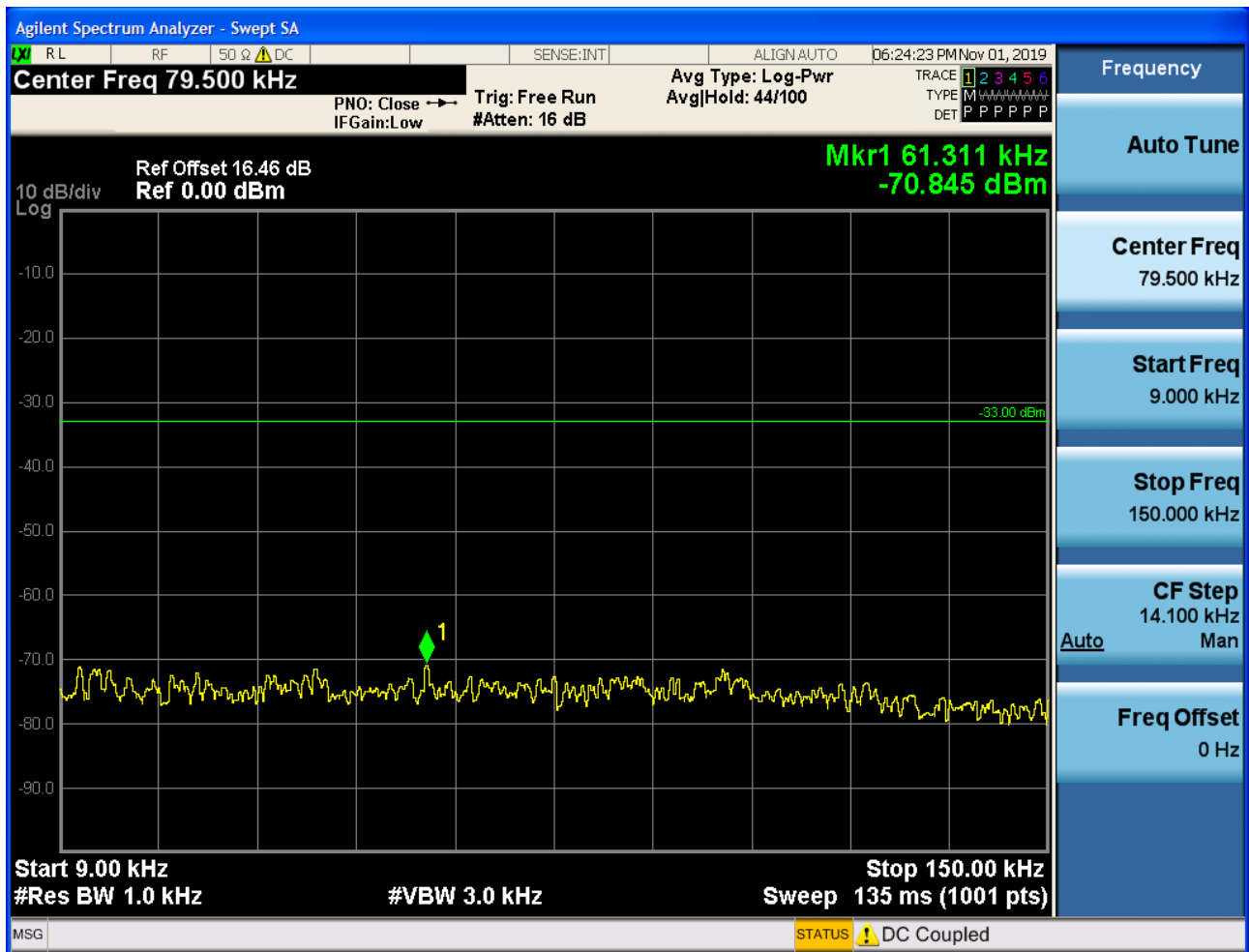


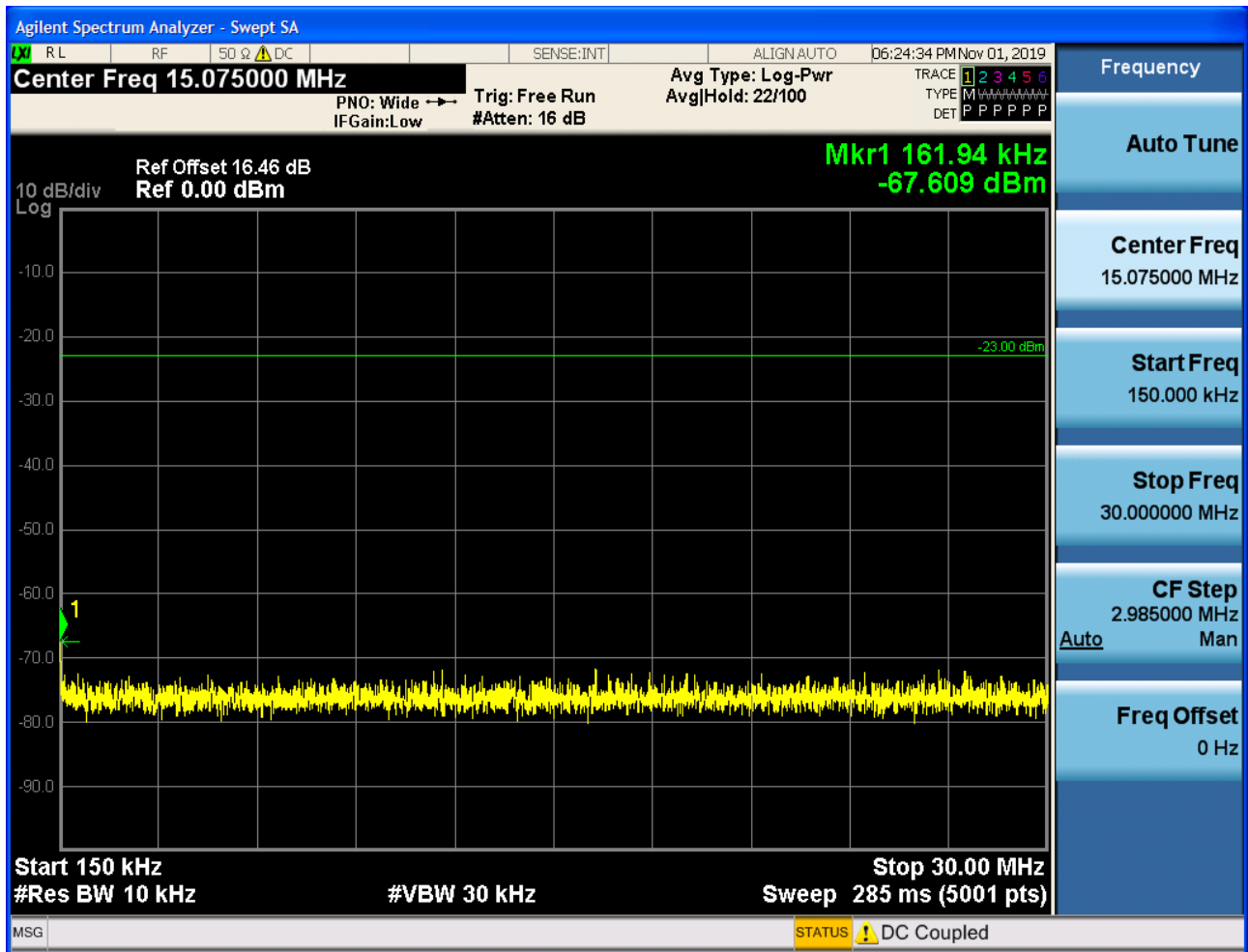


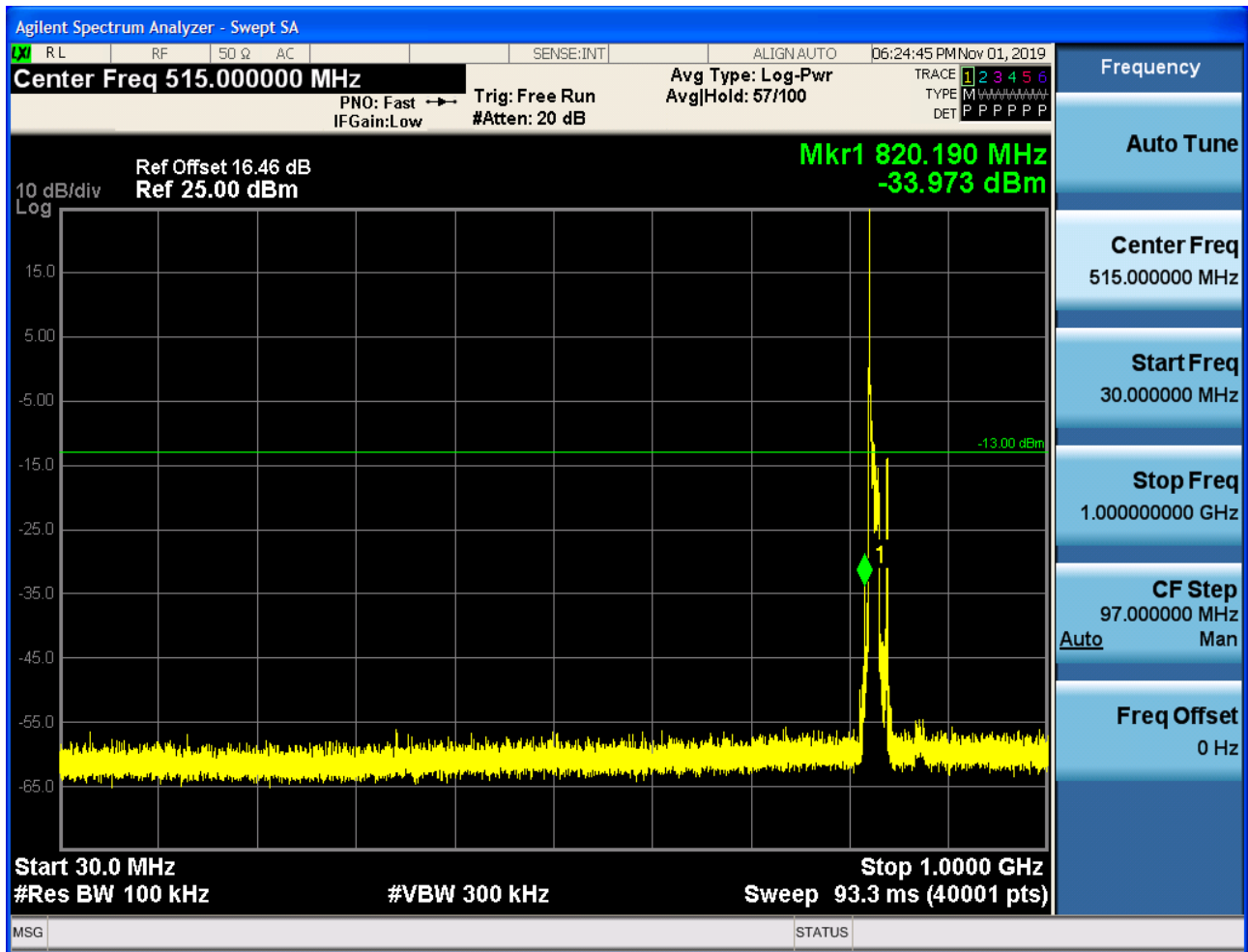
6.2.1.2.4 Test Bandwidth = 10

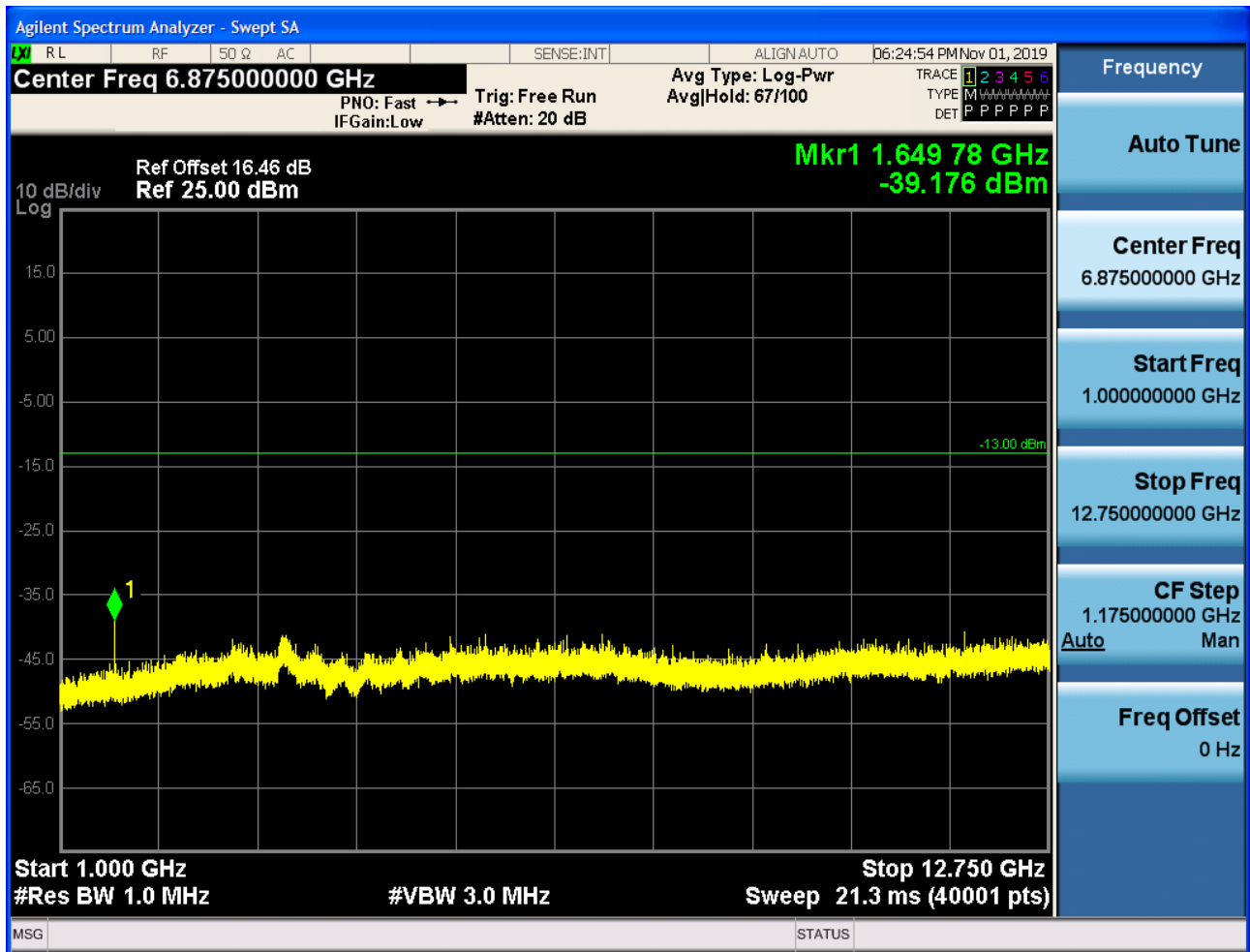
6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0





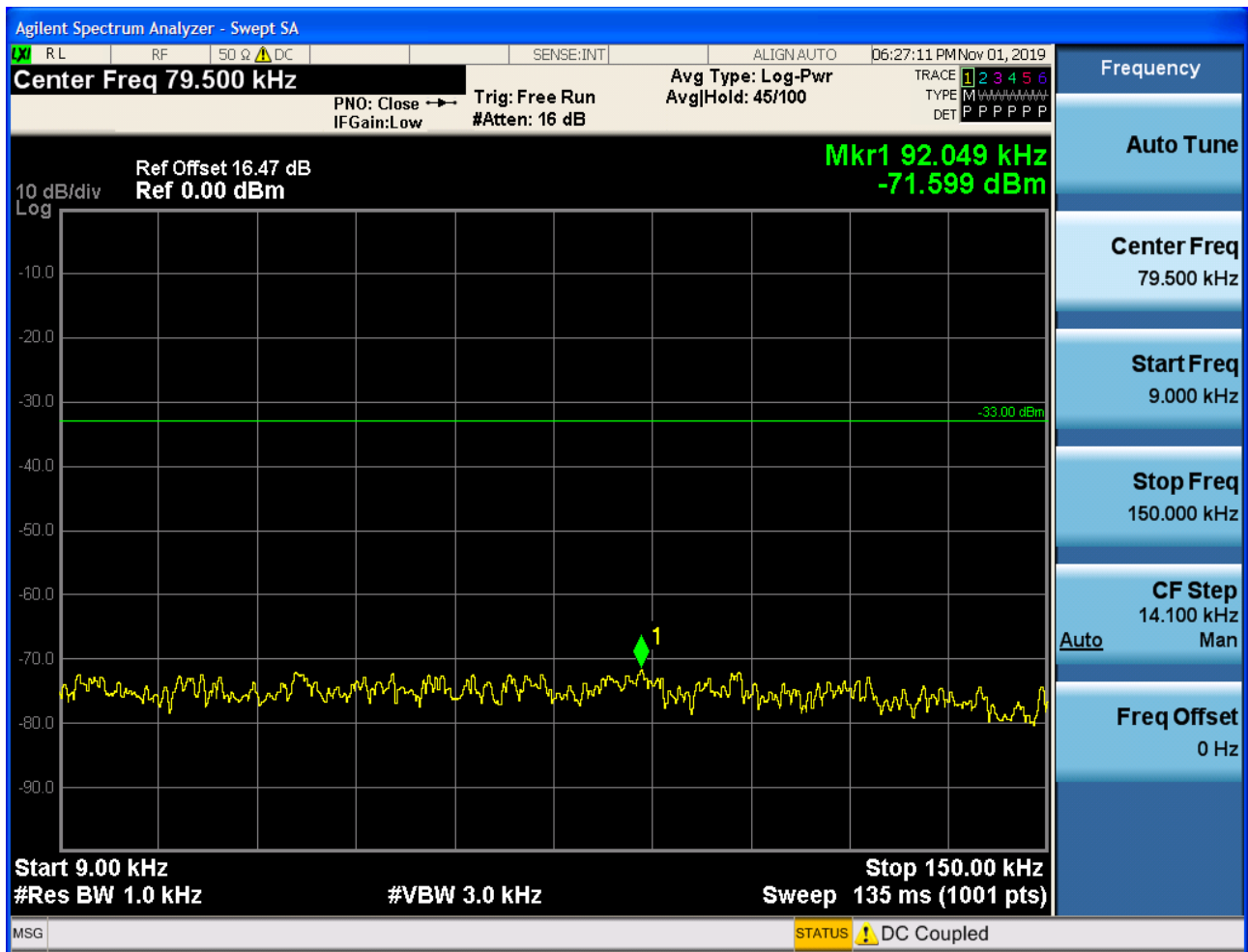


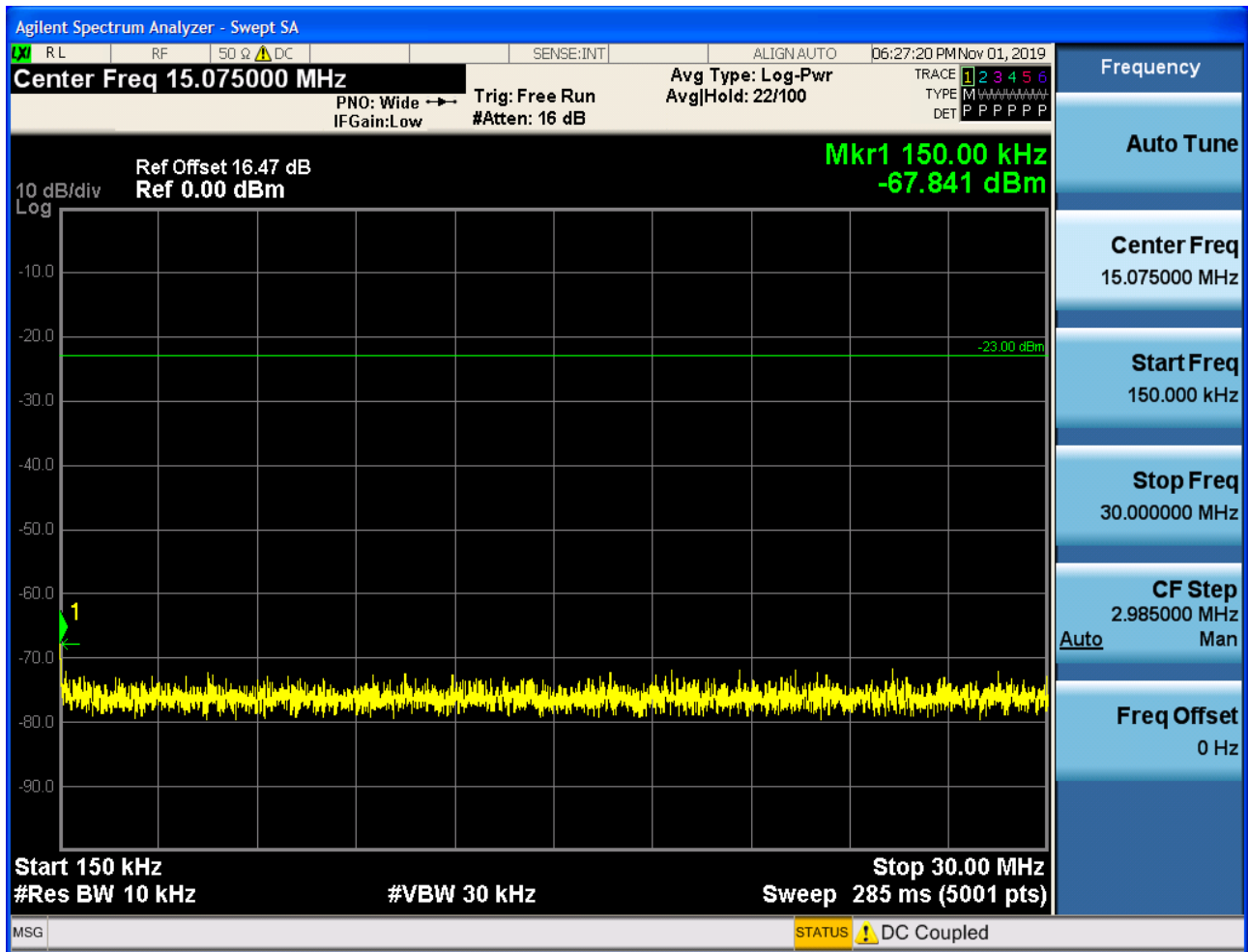


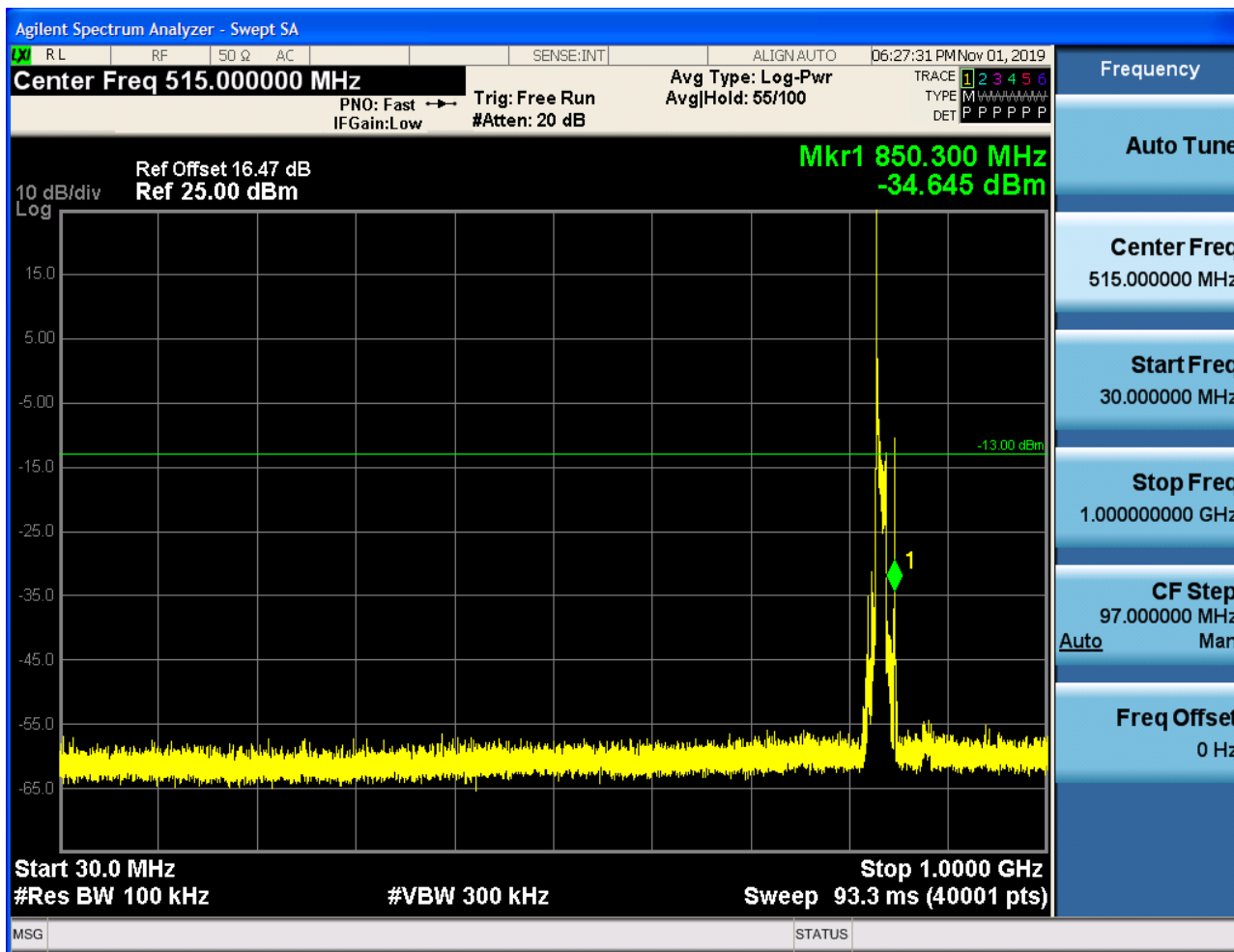


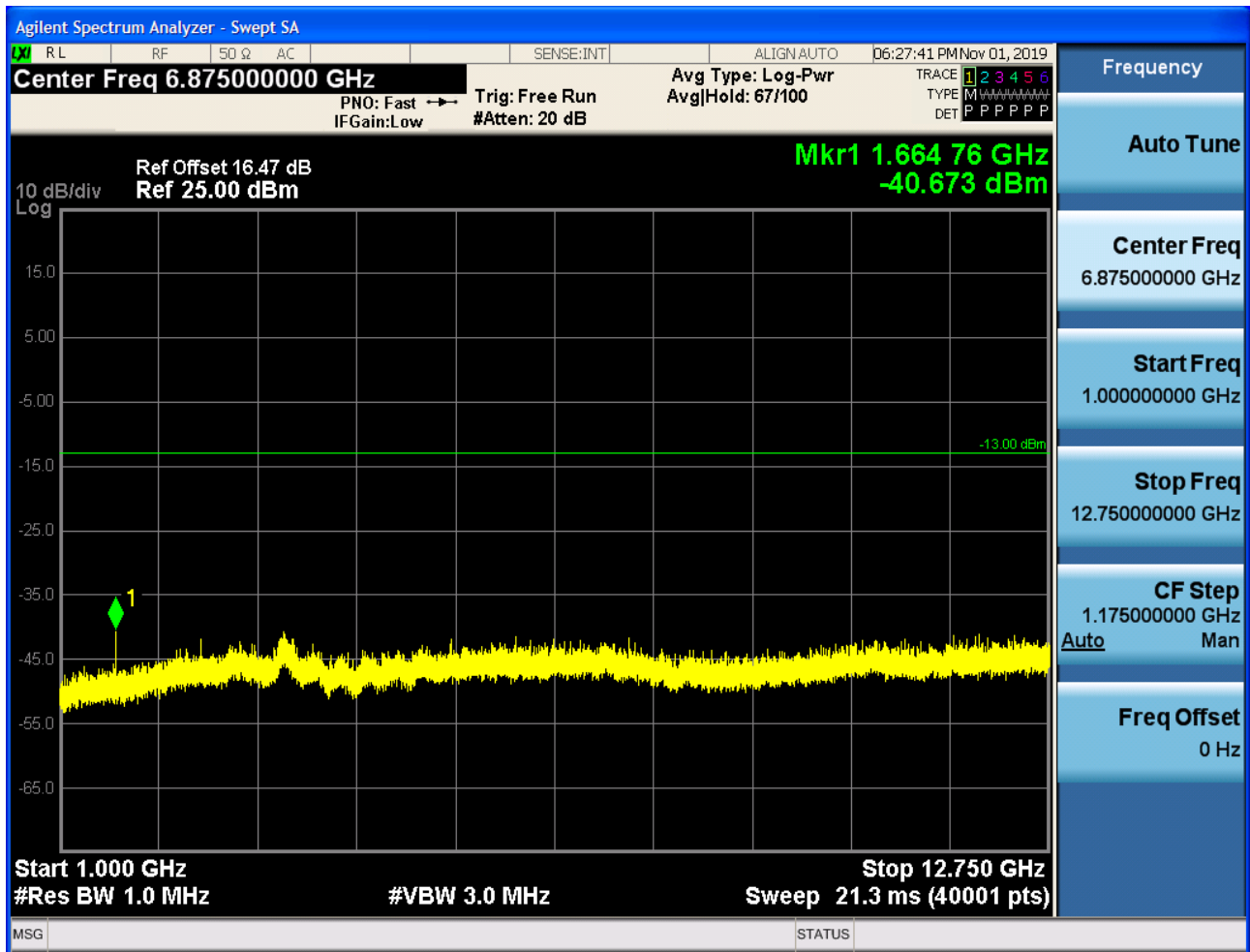
6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0





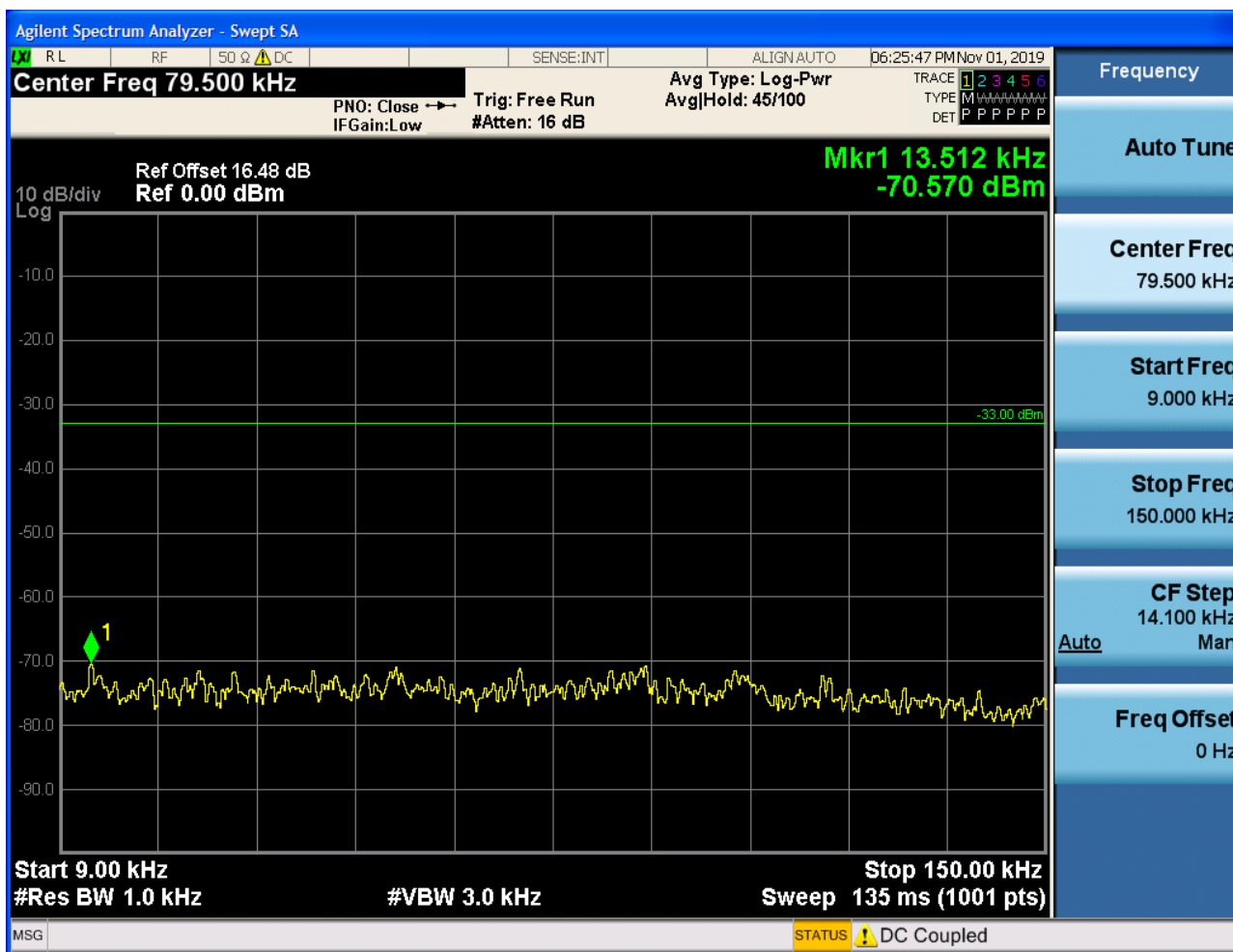


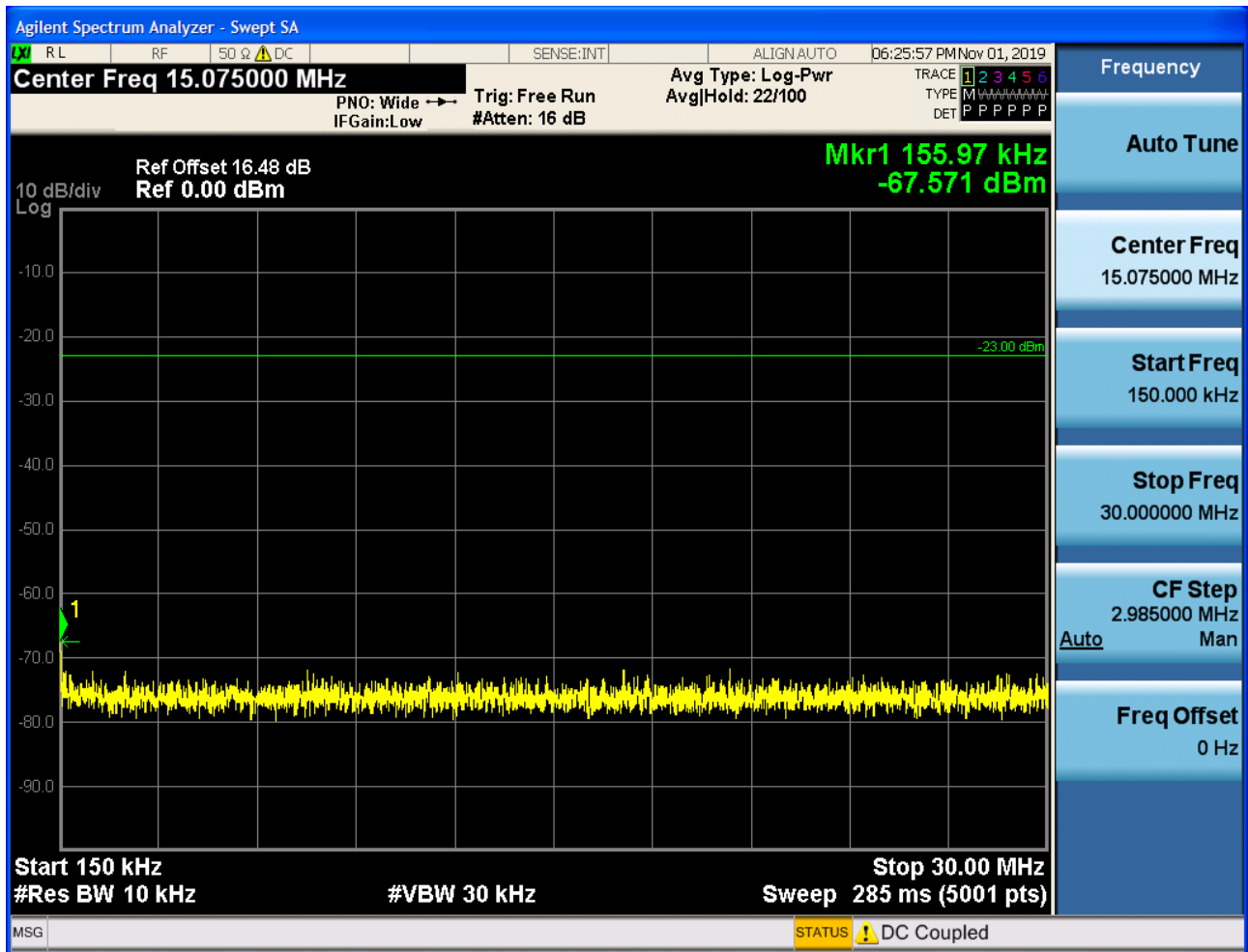


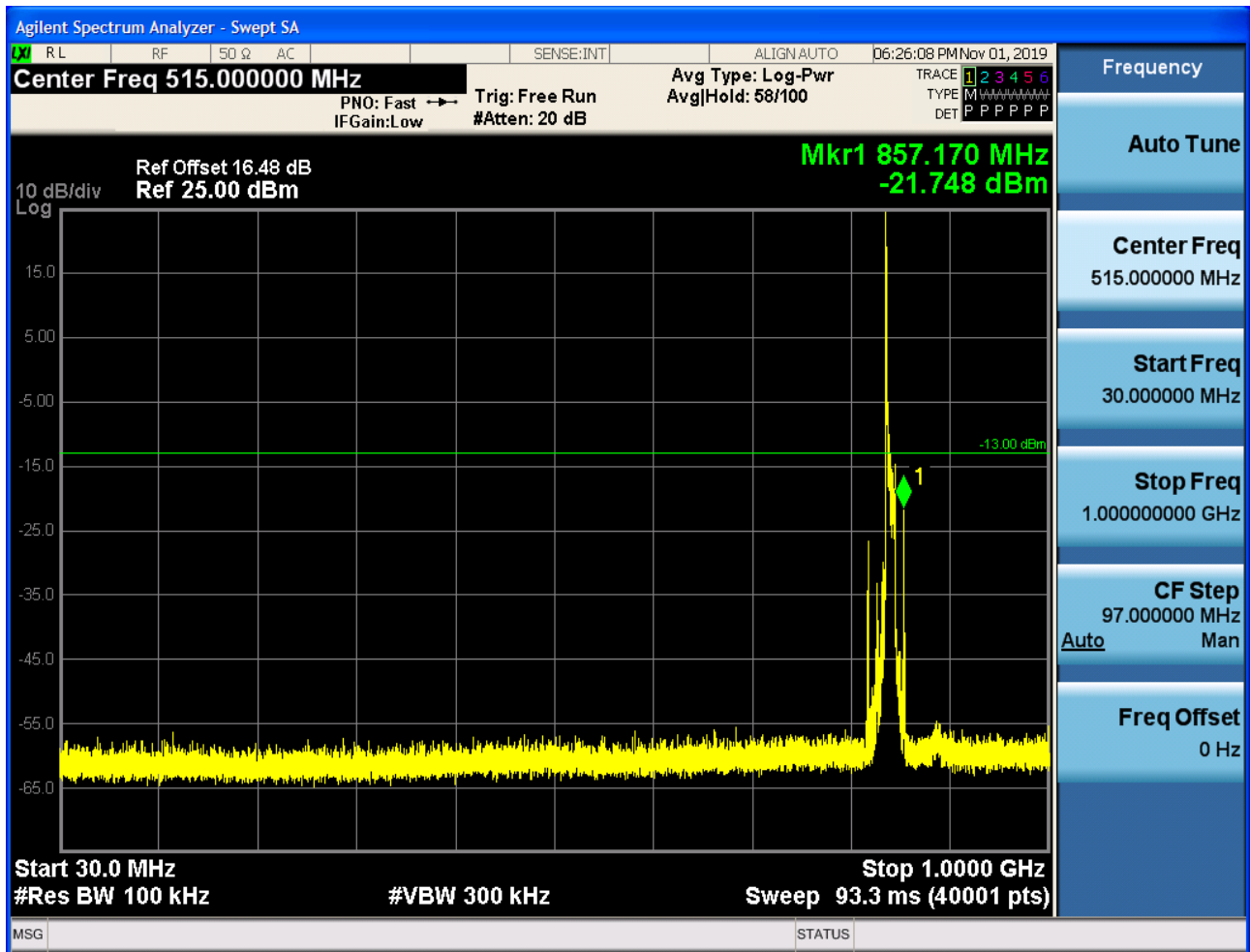


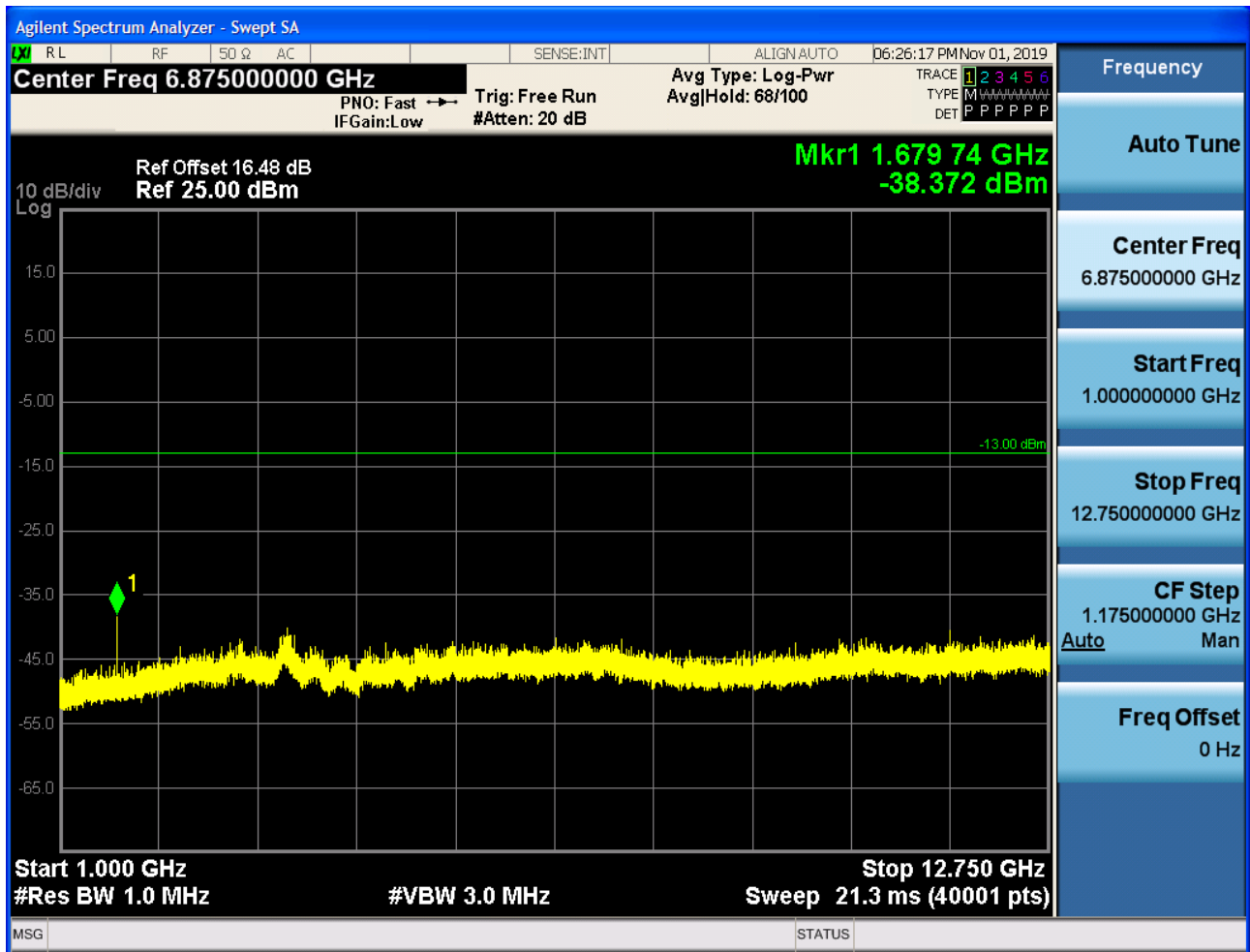
6.2.1.2.4.3 Test Channel = HCH

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

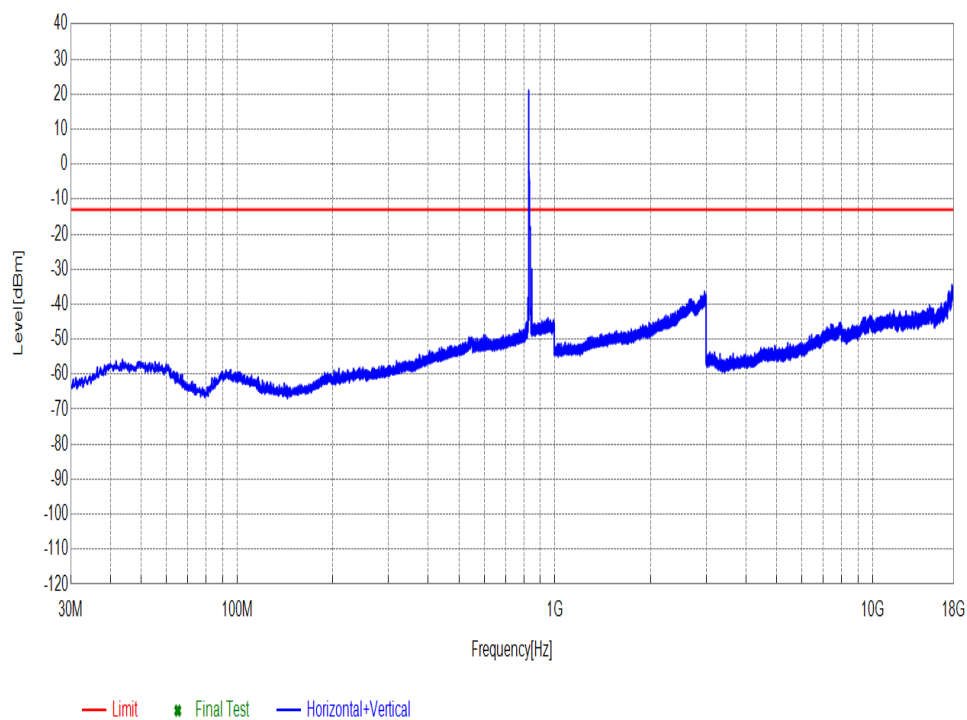
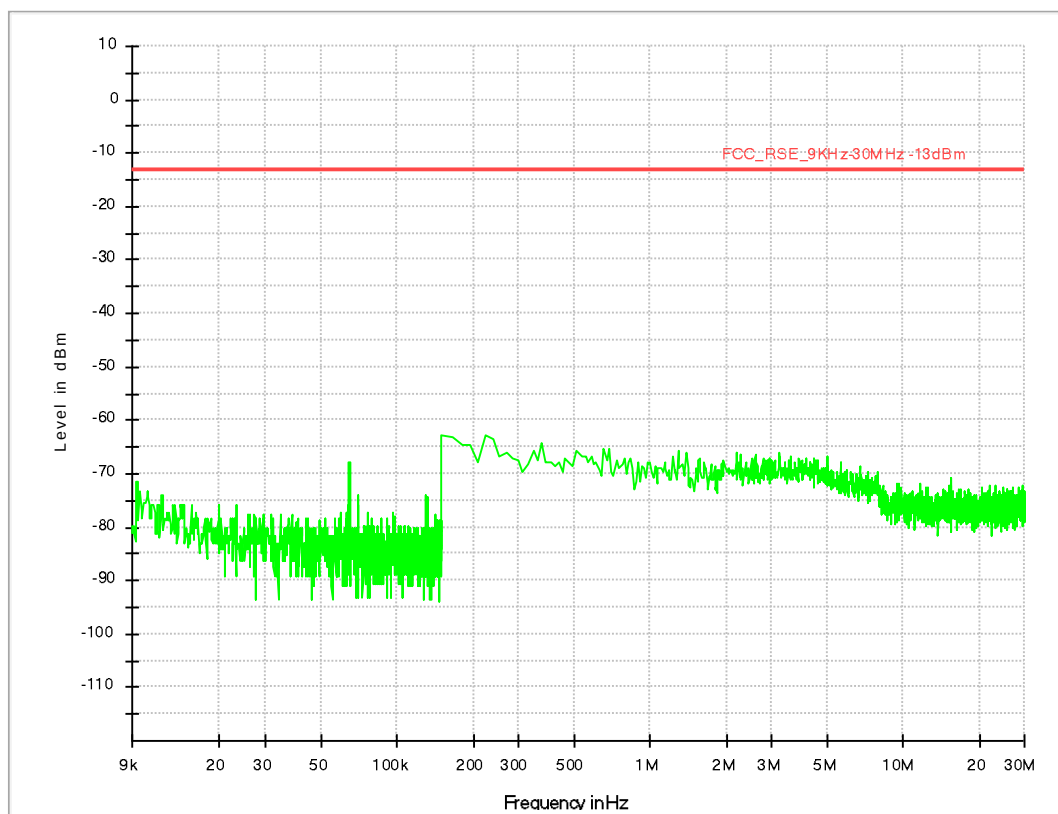
Part I - Test Plots

7.1 For LTE

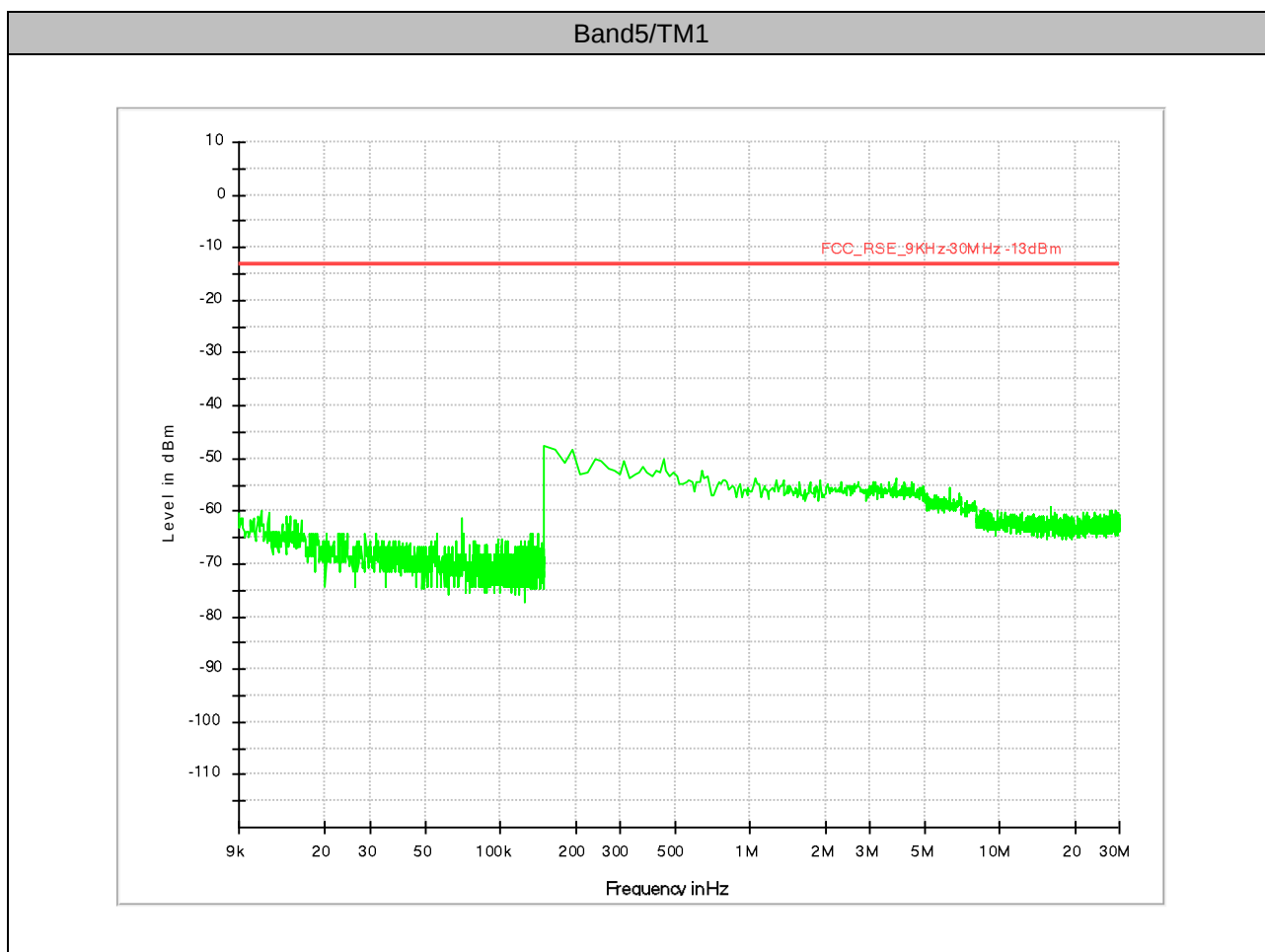
7.1.1 Test Band = Band5

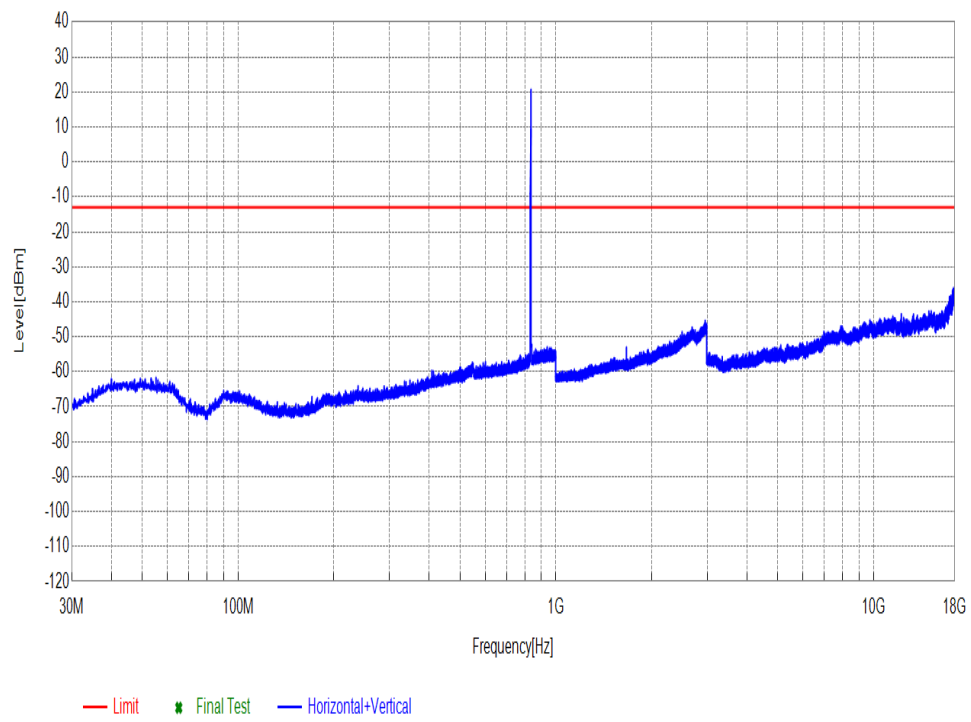
7.1.1.1 Test Bandwidth = 1.4

Band5/TM1



7.1.1.2 Test Bandwidth = 10





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	-31.55708	-0.03826	PASS
					VN	-38.52367	-0.04671	PASS
					VH	-63.04264	-0.07644	PASS
			MCH	TN	VL	200.94390	0.24022	PASS
					VN	-20.99991	-0.02510	PASS
					VH	14.73427	0.01761	PASS
			HCH	TN	VL	-2.41756	-0.00285	PASS
					VN	-321.80790	-0.37936	PASS
					VH	-33.57410	-0.03958	PASS
		3	LCH	TN	VL	-22.78805	-0.02761	PASS
					VN	-5.95093	-0.00721	PASS
					VH	4.37737	0.00530	PASS
			MCH	TN	VL	-1.21593	-0.00145	PASS
					VN	4.00543	0.00479	PASS
					VH	-1.23024	-0.00147	PASS
			HCH	TN	VL	0.05722	0.00007	PASS
					VN	60.85396	0.07180	PASS
					VH	-1.21593	-0.00143	PASS
		5	LCH	TN	VL	-0.04292	-0.00005	PASS
					VN	-0.21458	-0.00026	PASS
					VH	-0.84400	-0.00102	PASS
			MCH	TN	VL	12.55989	0.01501	PASS
					VN	45.44735	0.05433	PASS
					VH	23.74649	0.02839	PASS
			HCH	TN	VL	0.02861	0.00003	PASS
					VN	-34.94740	-0.04128	PASS
					VH	-0.57220	-0.00068	PASS
		10	LCH	TN	VL	134.56820	0.16233	PASS
					VN	-104.64190	-0.12623	PASS
					VH	95.31498	0.11498	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	-1.21633	-0.00082	PASS
					VN	-12.10213	-0.01447	PASS
					VH	-11.25453	-0.01149	PASS
			HCH	TN	VL	-0.60052	-0.00048	PASS
					VN	-2.61168	-0.00023	PASS
					VH	4.79221	0.00568	PASS
	LTE/TM2	1.4	LCH	TN	VL	19.81258	0.02402	PASS
					VN	-34.54685	-0.04189	PASS
					VH	-32.85885	-0.03984	PASS
			MCH	TN	VL	-58.27904	-0.06967	PASS
					VN	-119.36190	-0.14269	PASS
					VH	-54.57401	-0.06524	PASS
			HCH	TN	VL	11.20090	0.01320	PASS
					VN	-419.58330	-0.49462	PASS
					VH	21.88683	0.02580	PASS
		3	LCH	TN	VL	1.94550	0.00236	PASS
					VN	-3.81947	-0.00463	PASS
					VH	-0.67234	-0.00081	PASS
			MCH	TN	VL	1.47343	0.00176	PASS
					VN	10.22816	0.01223	PASS
					VH	-2.27451	-0.00272	PASS
			HCH	TN	VL	0.85831	0.00101	PASS
					VN	49.25251	0.05812	PASS
					VH	0.65804	0.00078	PASS
		5	LCH	TN	VL	-0.42915	-0.00052	PASS
					VN	1.54495	0.00187	PASS
					VH	-0.97275	-0.00118	PASS
			MCH	TN	VL	15.36369	0.01837	PASS
					VN	-0.35763	-0.00043	PASS
					VH	399.52750	0.47762	PASS
			HCH	TN	VL	38.42354	0.04539	PASS
					VN	-77.16179	-0.09115	PASS
					VH	-1.37329	-0.00162	PASS
		10	LCH	TN	VL	266.80470	0.32184	PASS
					VN	-155.41080	-0.18747	PASS
					VH	239.05280	0.28836	PASS
			MCH	TN	VL	7.37478	0.00896	PASS
					VN	6.66618	0.00797	PASS