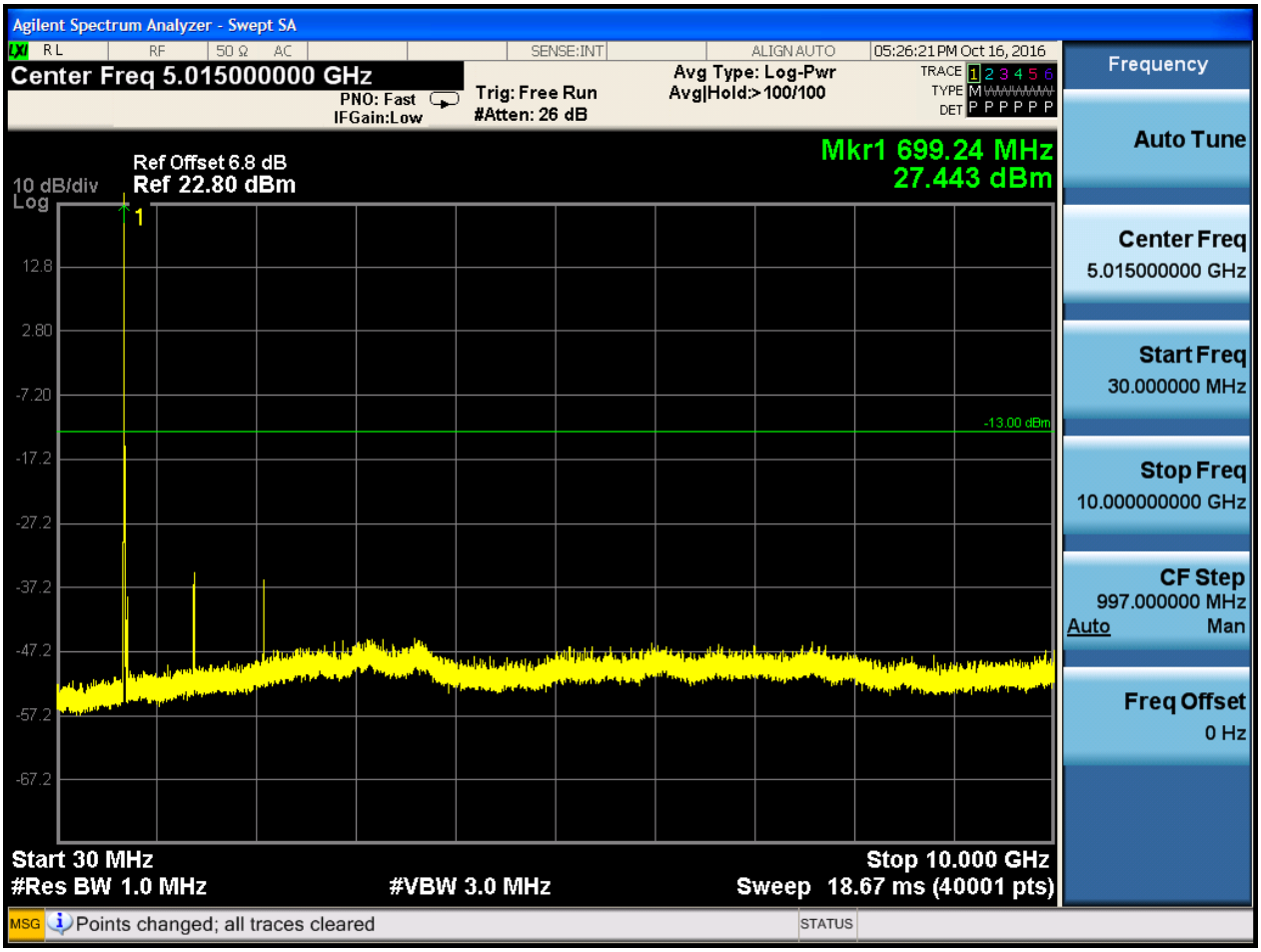

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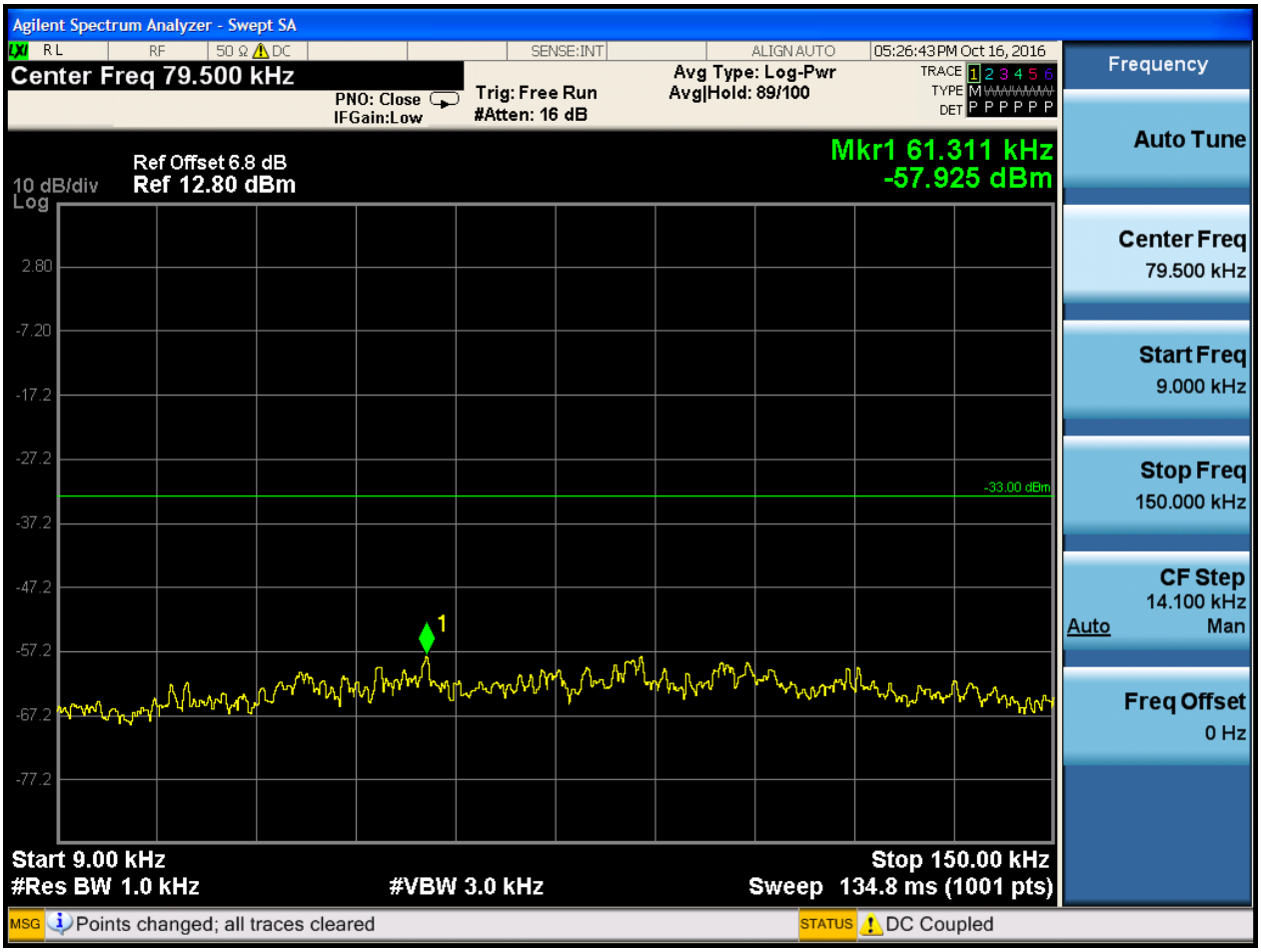
6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



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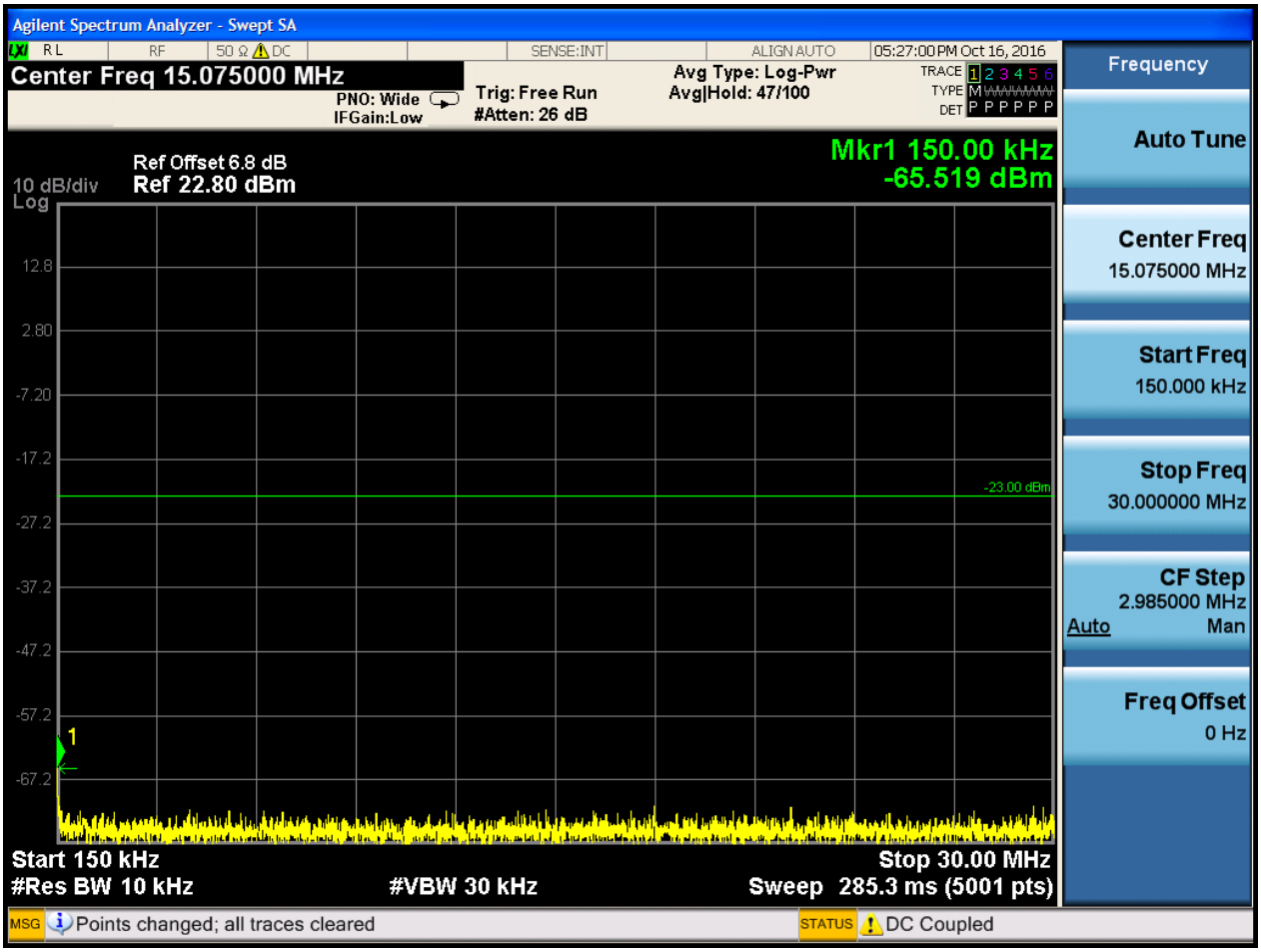

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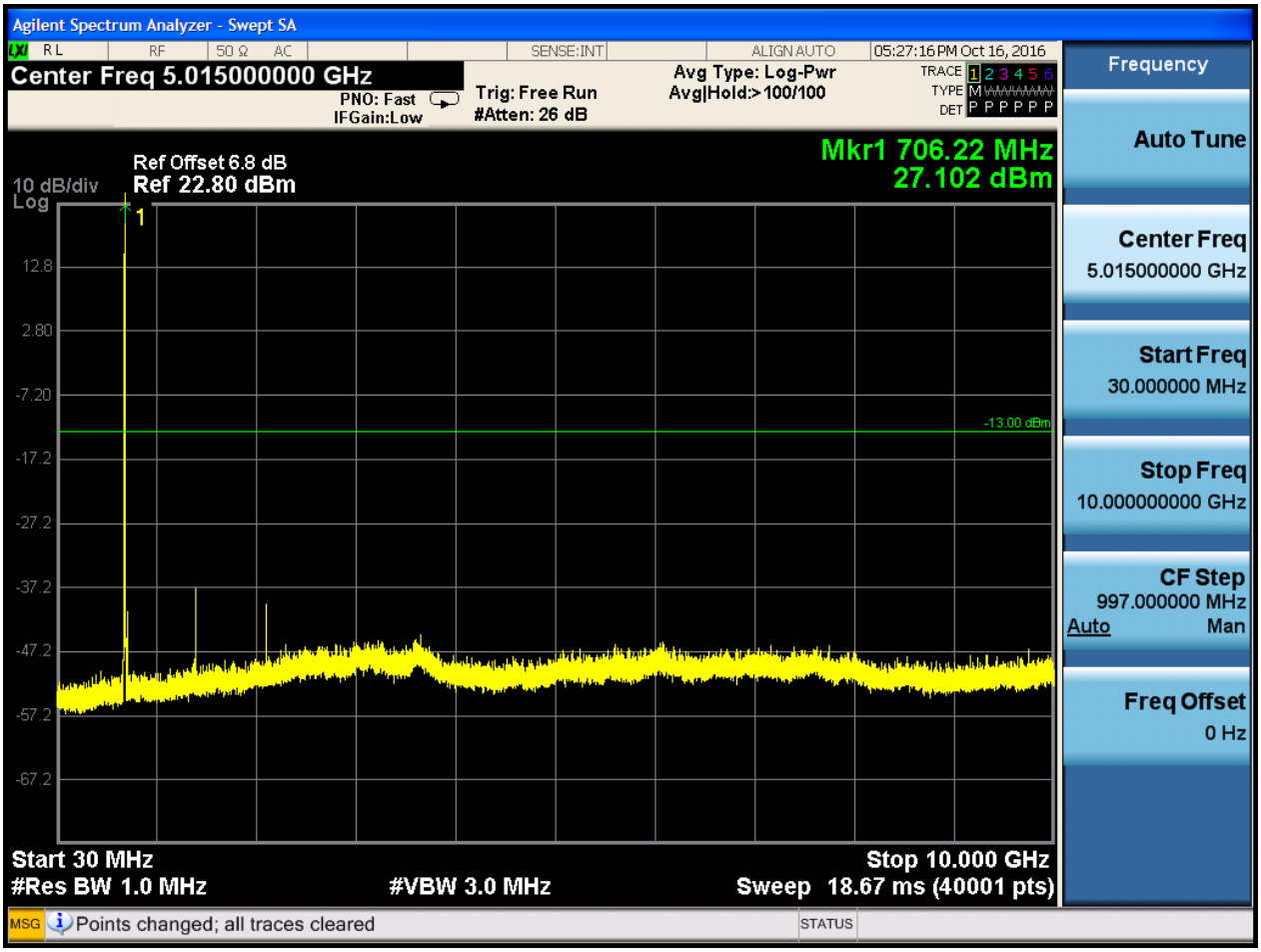

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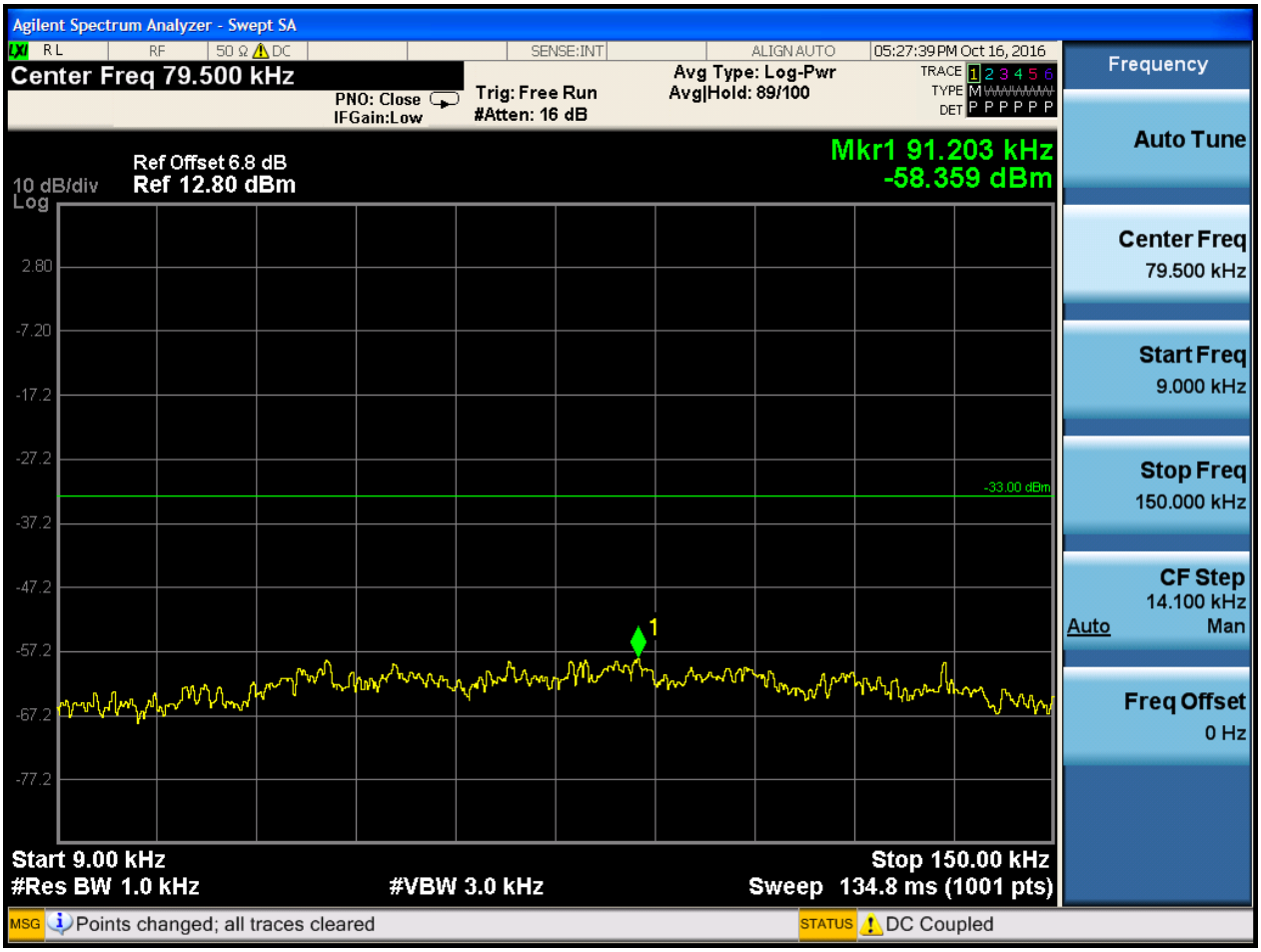
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



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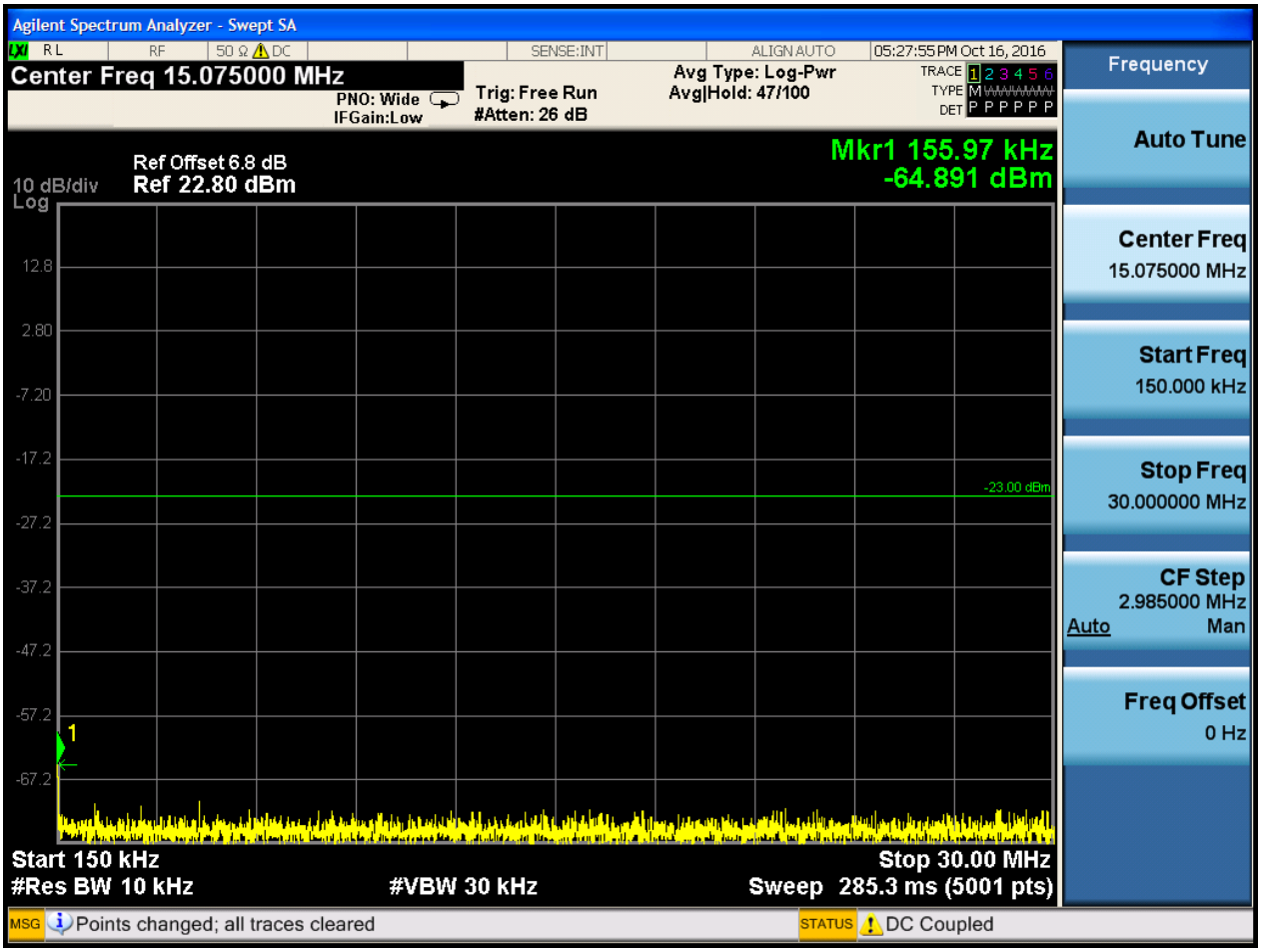

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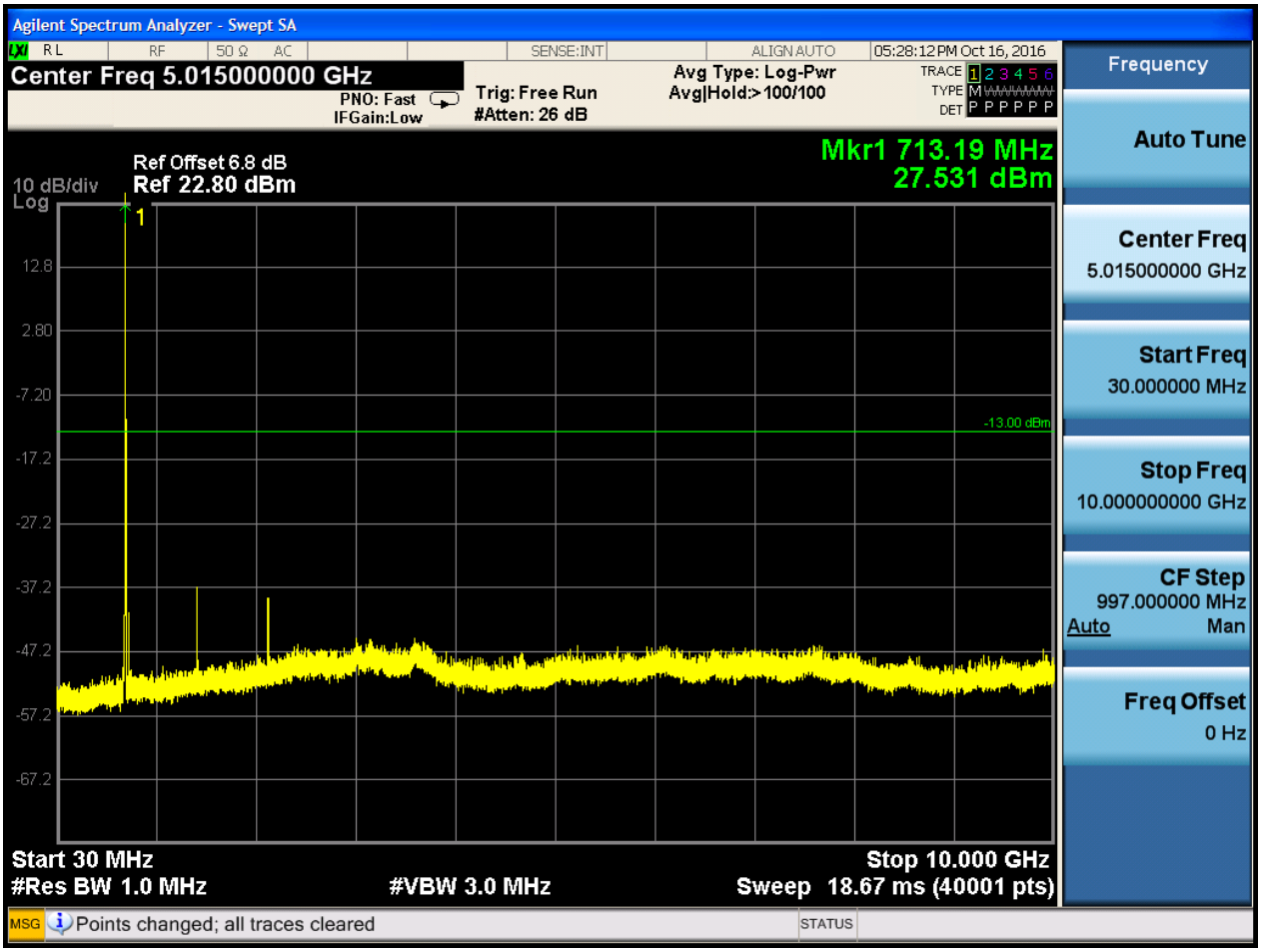

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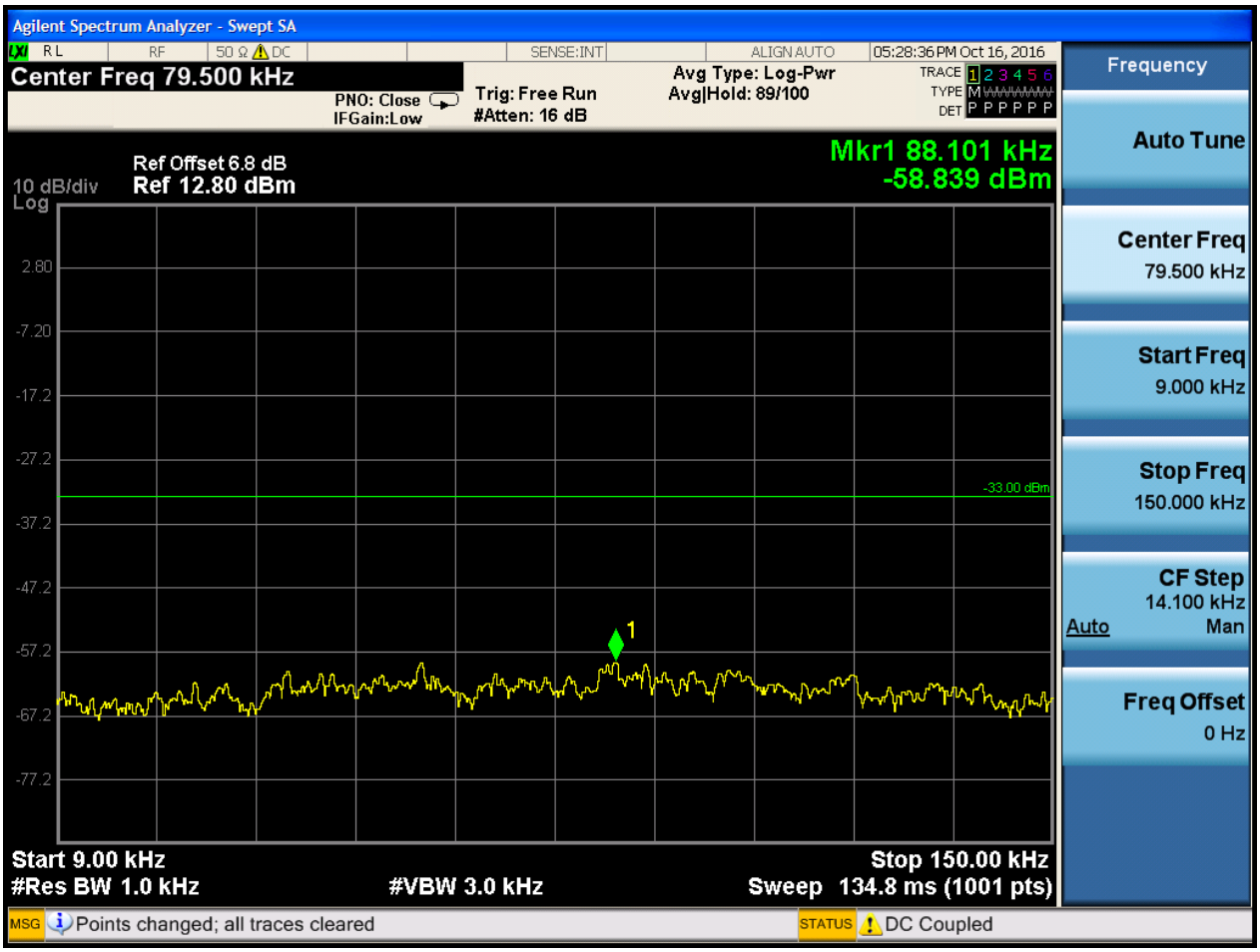
6.1.1.1.3 Test Bandwidth = 5

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



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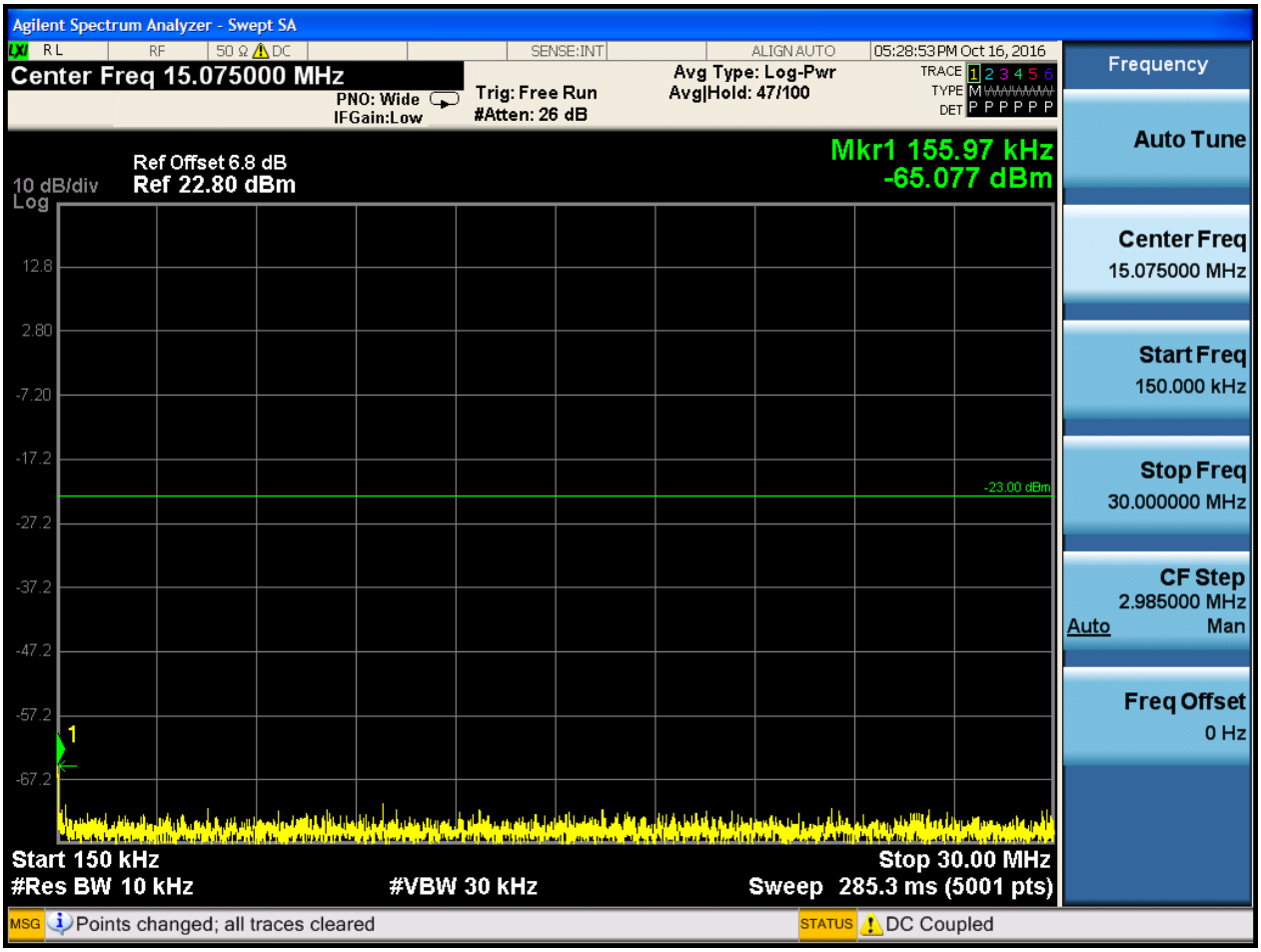

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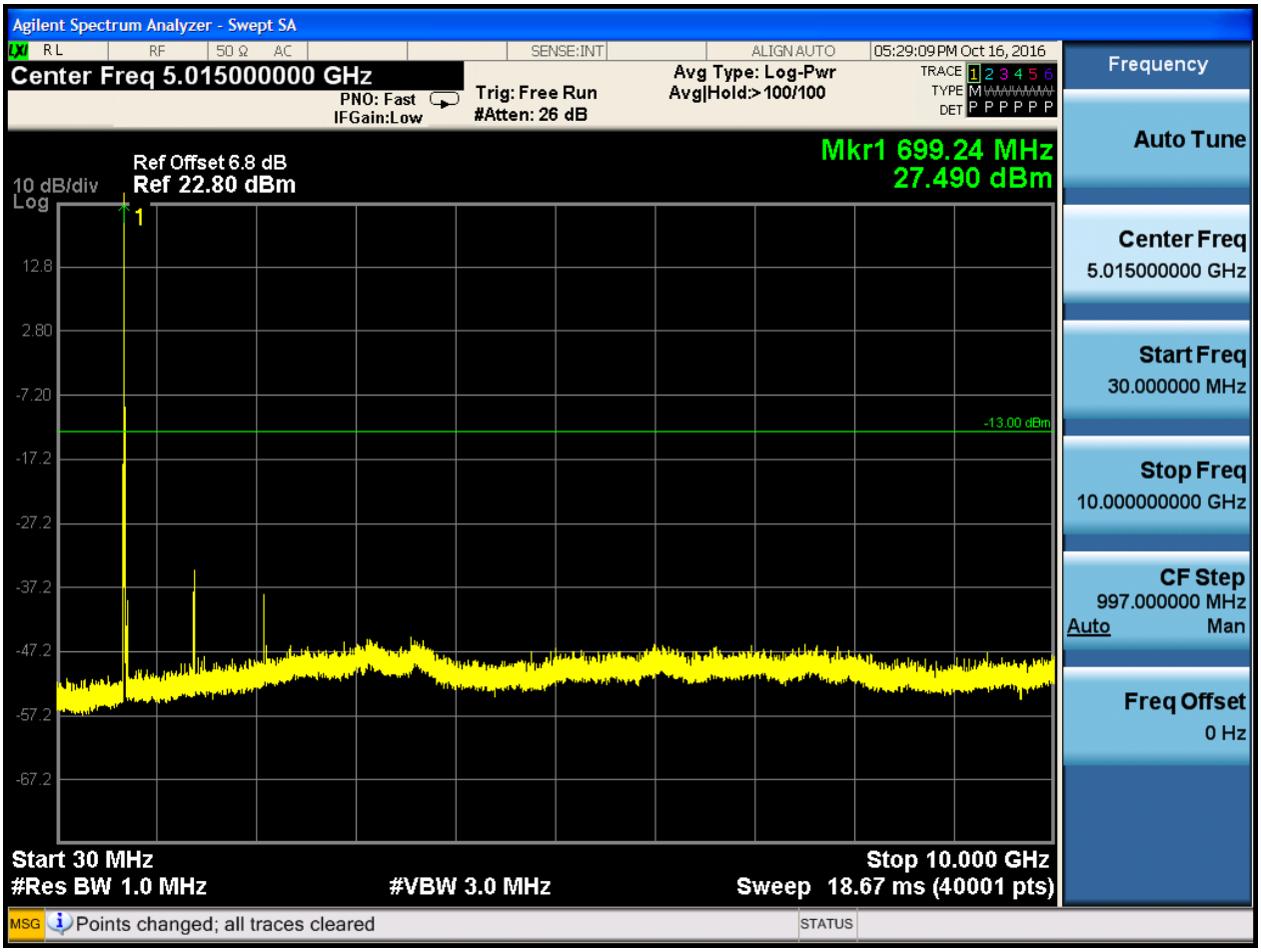

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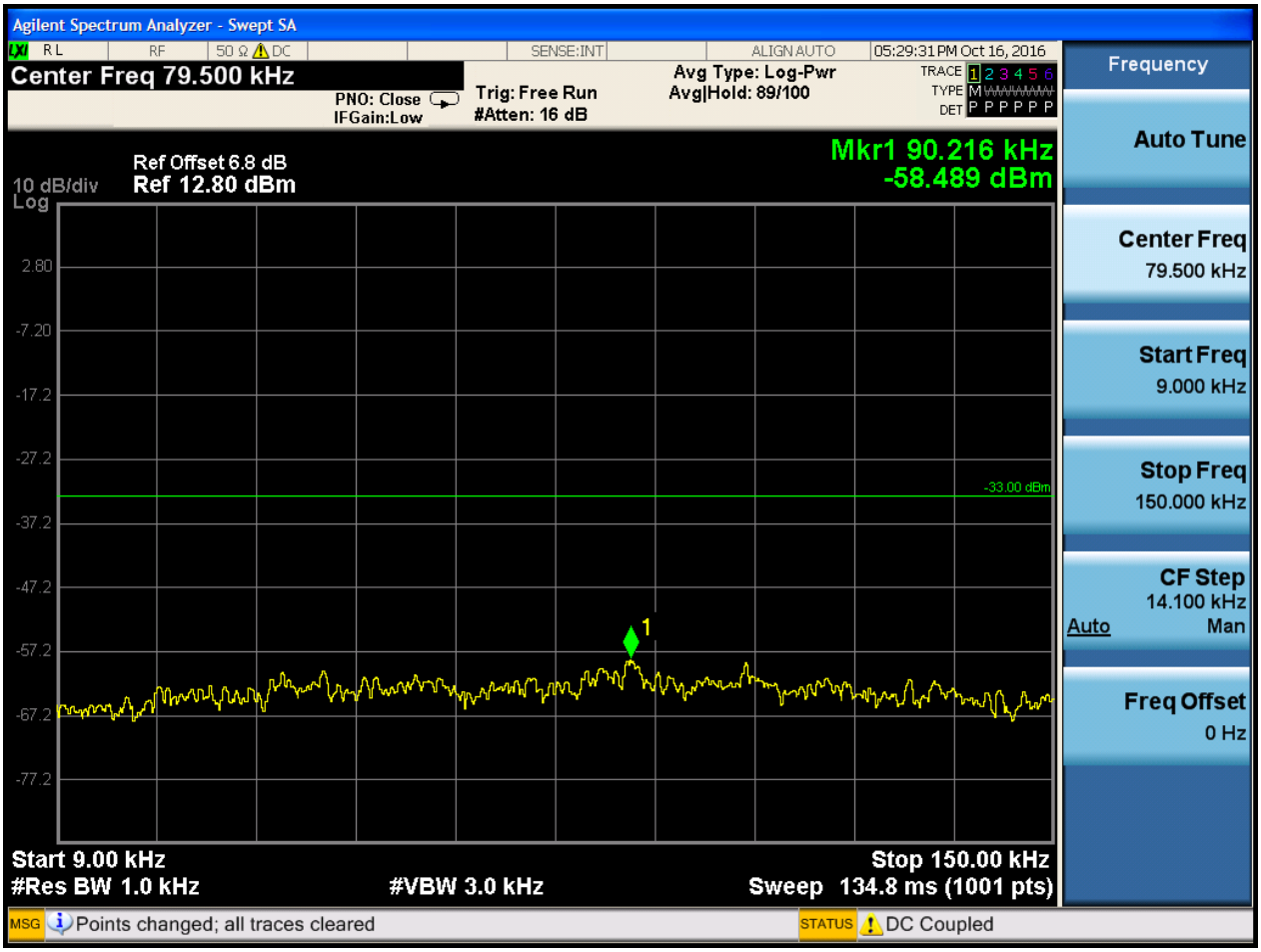
6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



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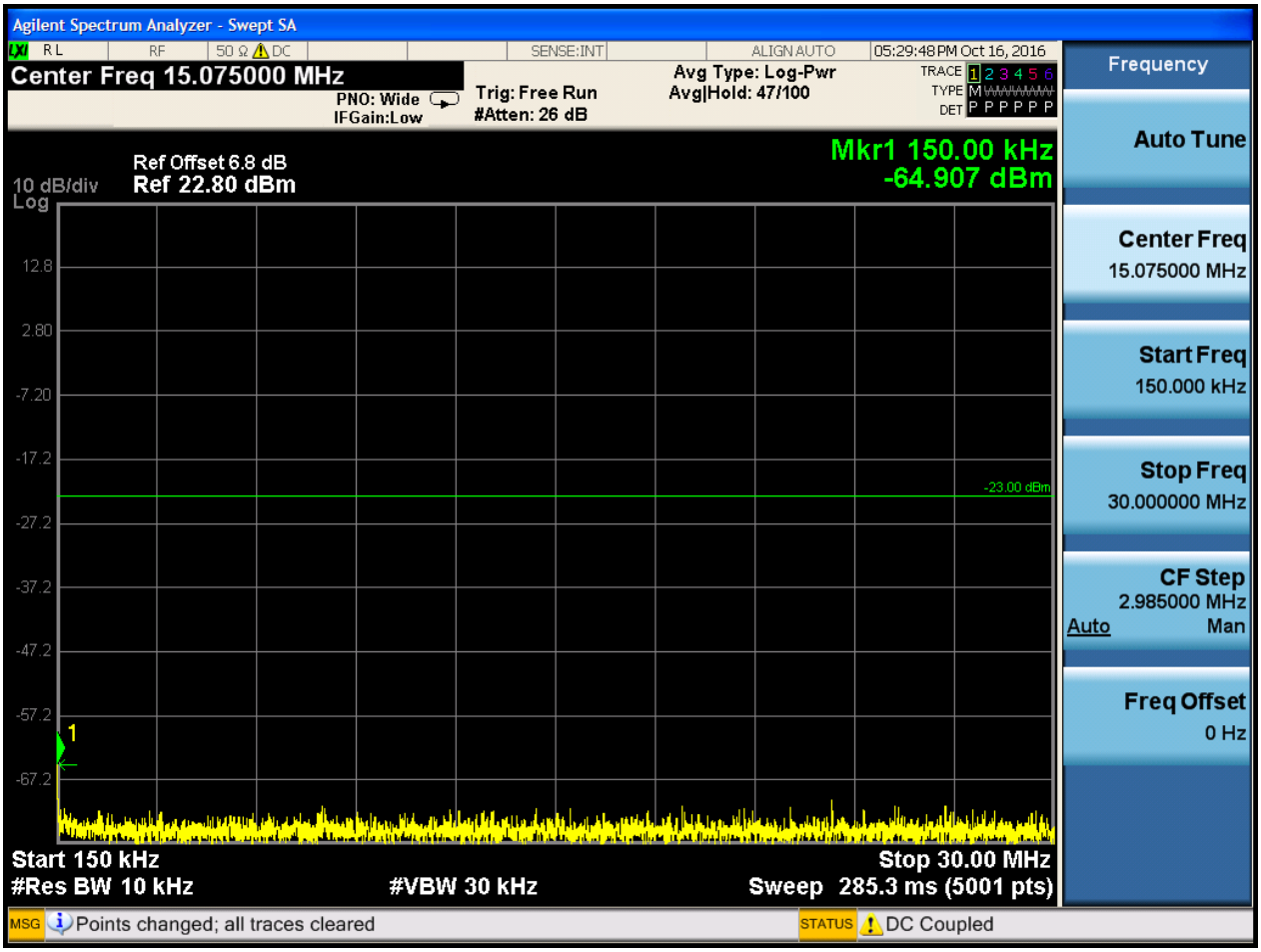

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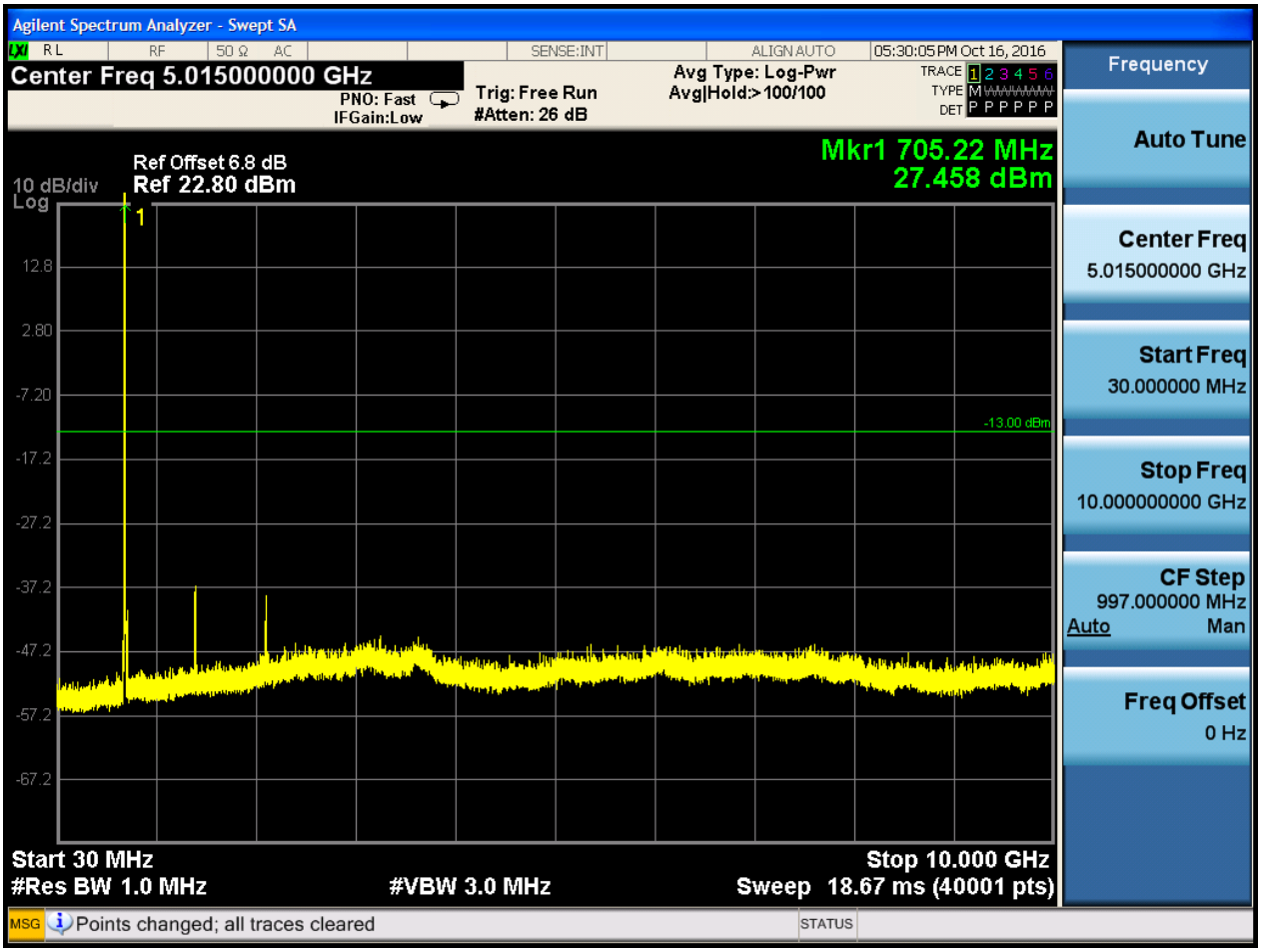

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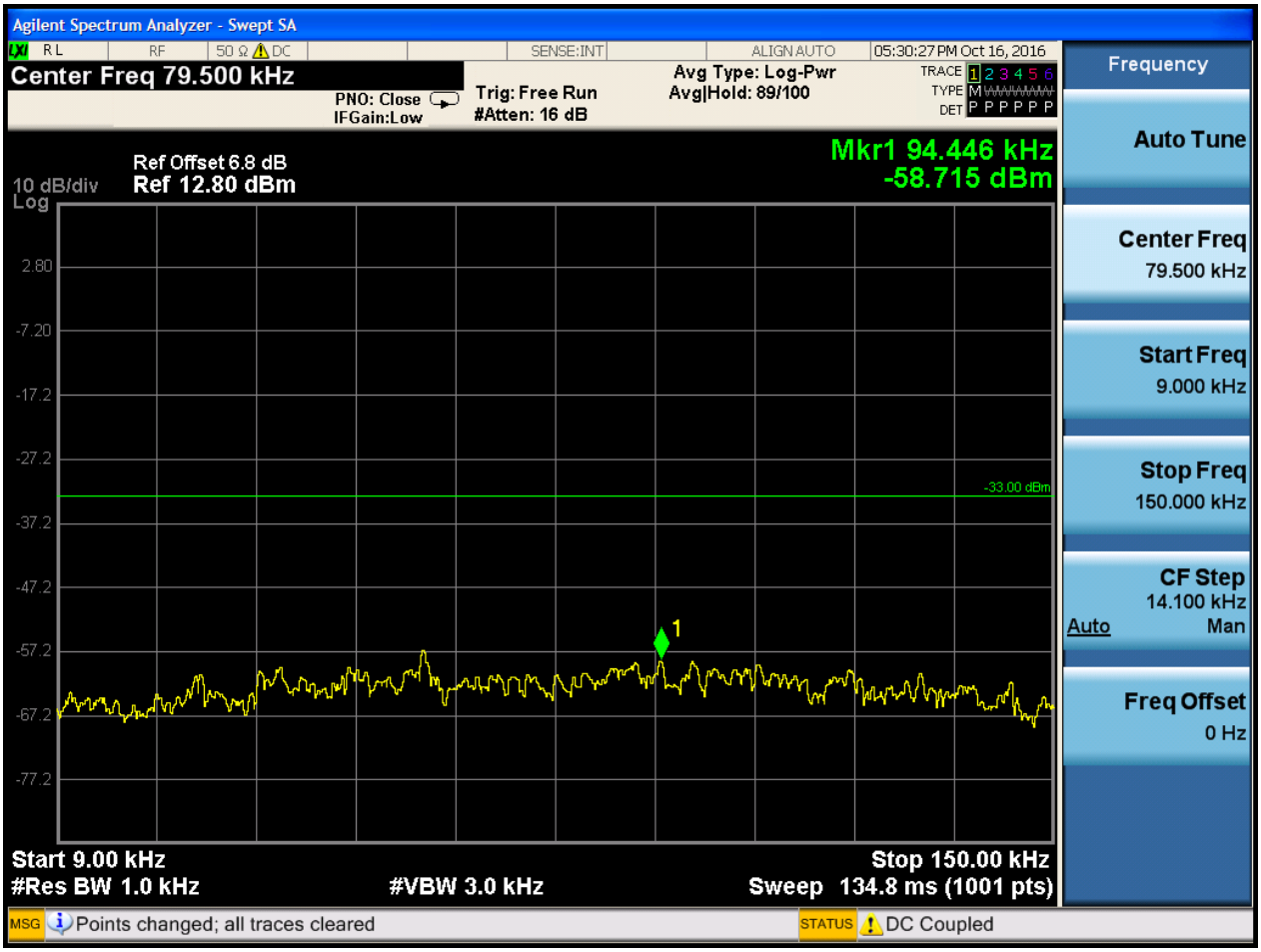
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



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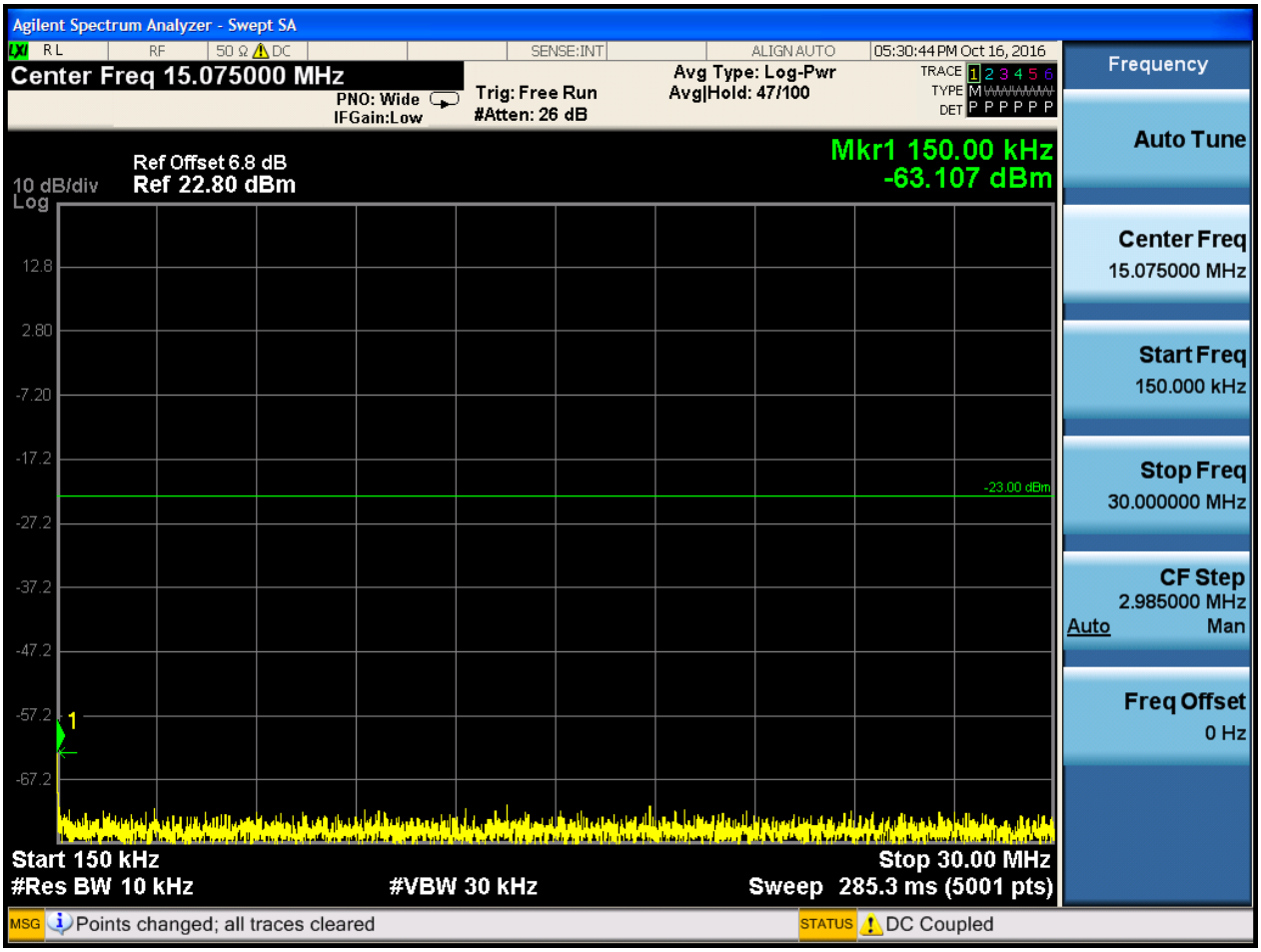

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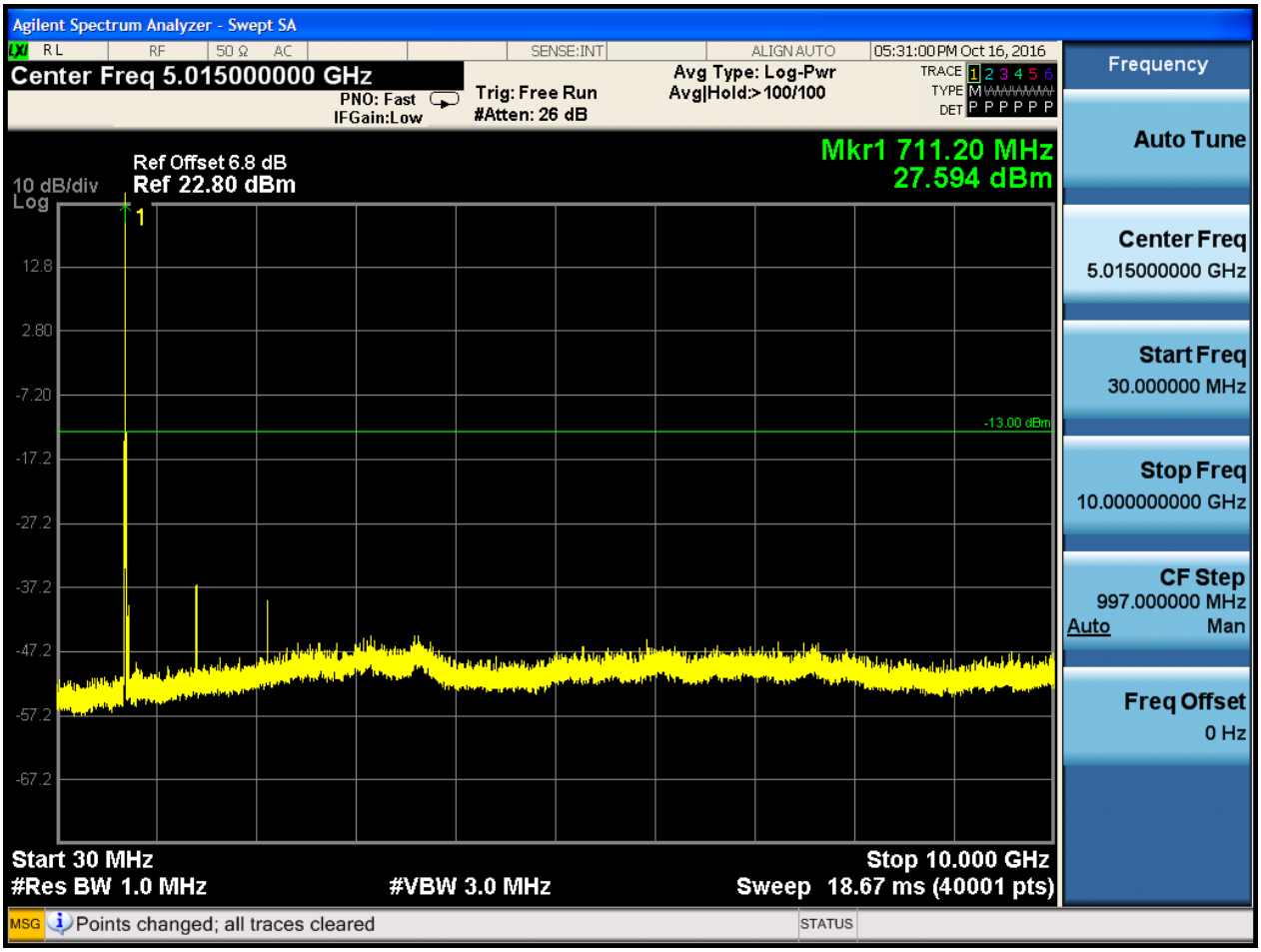

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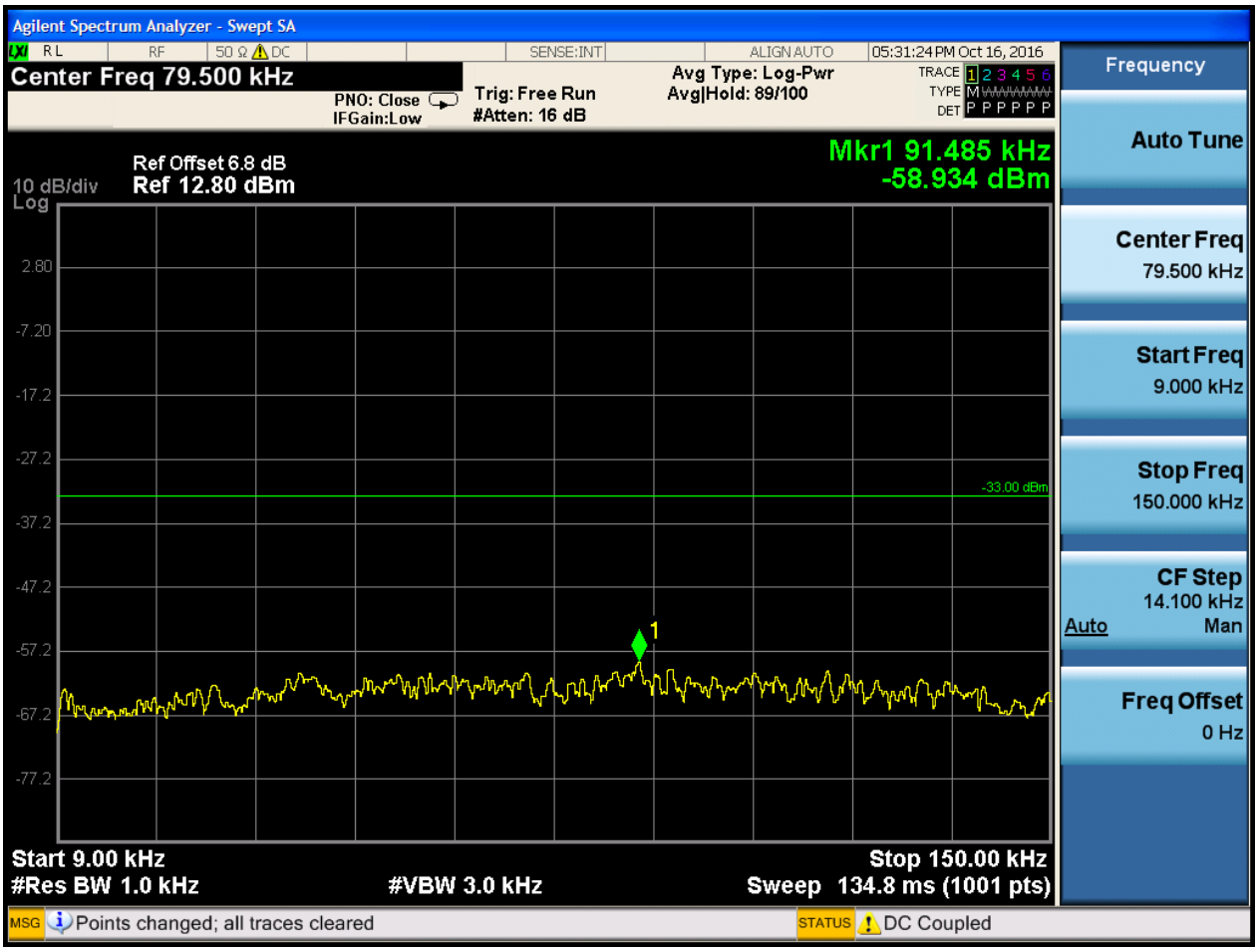
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



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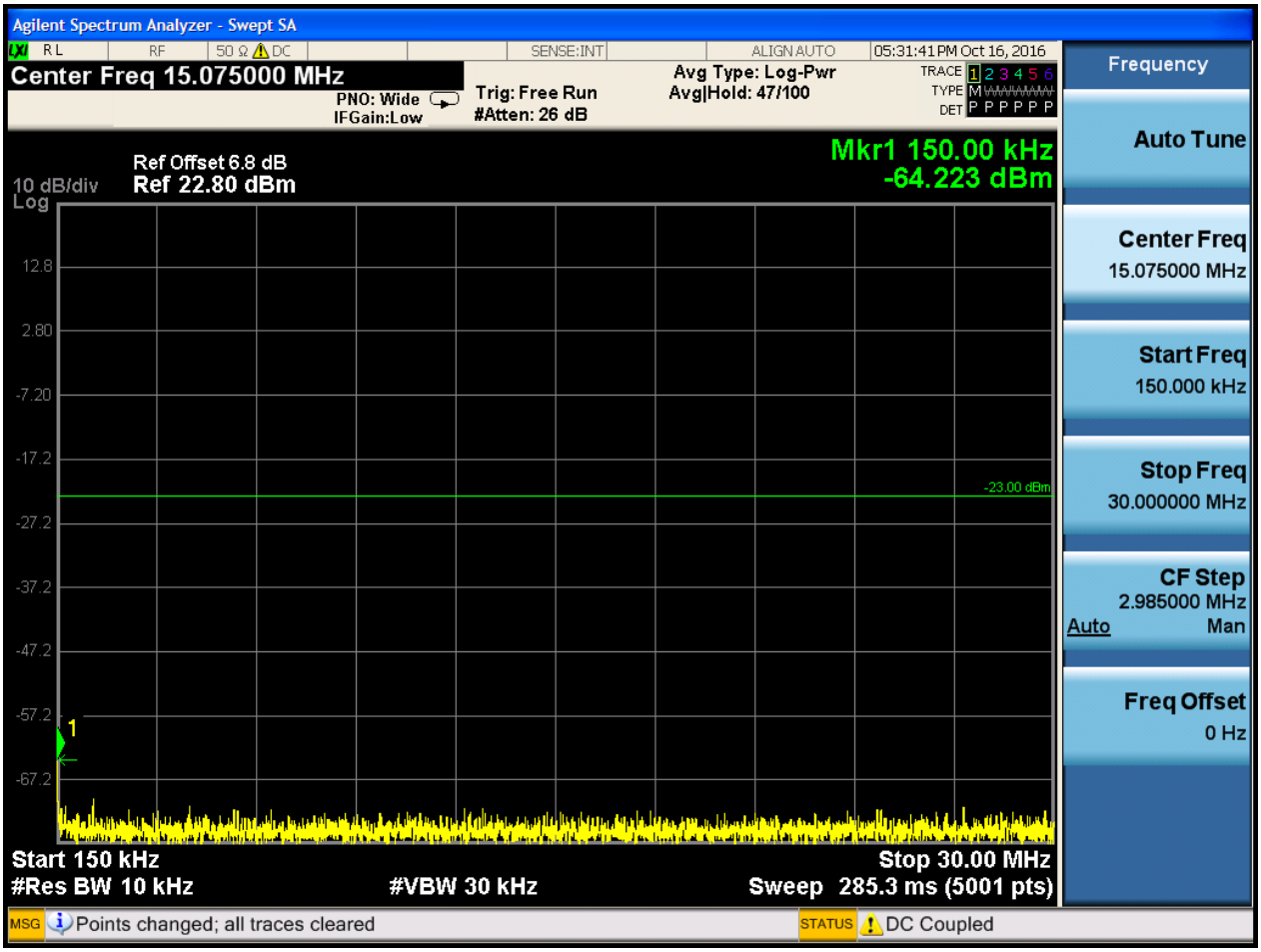

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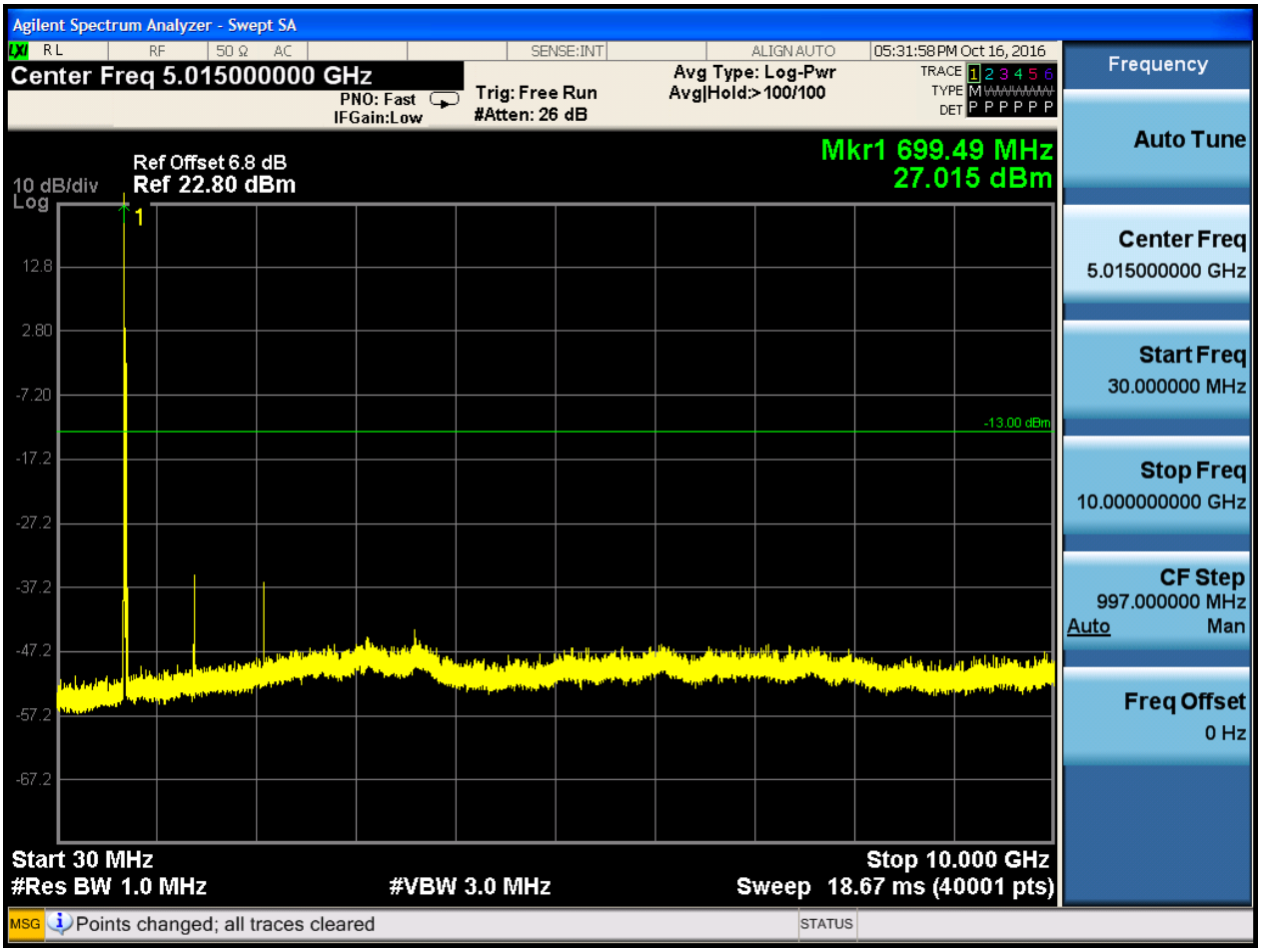

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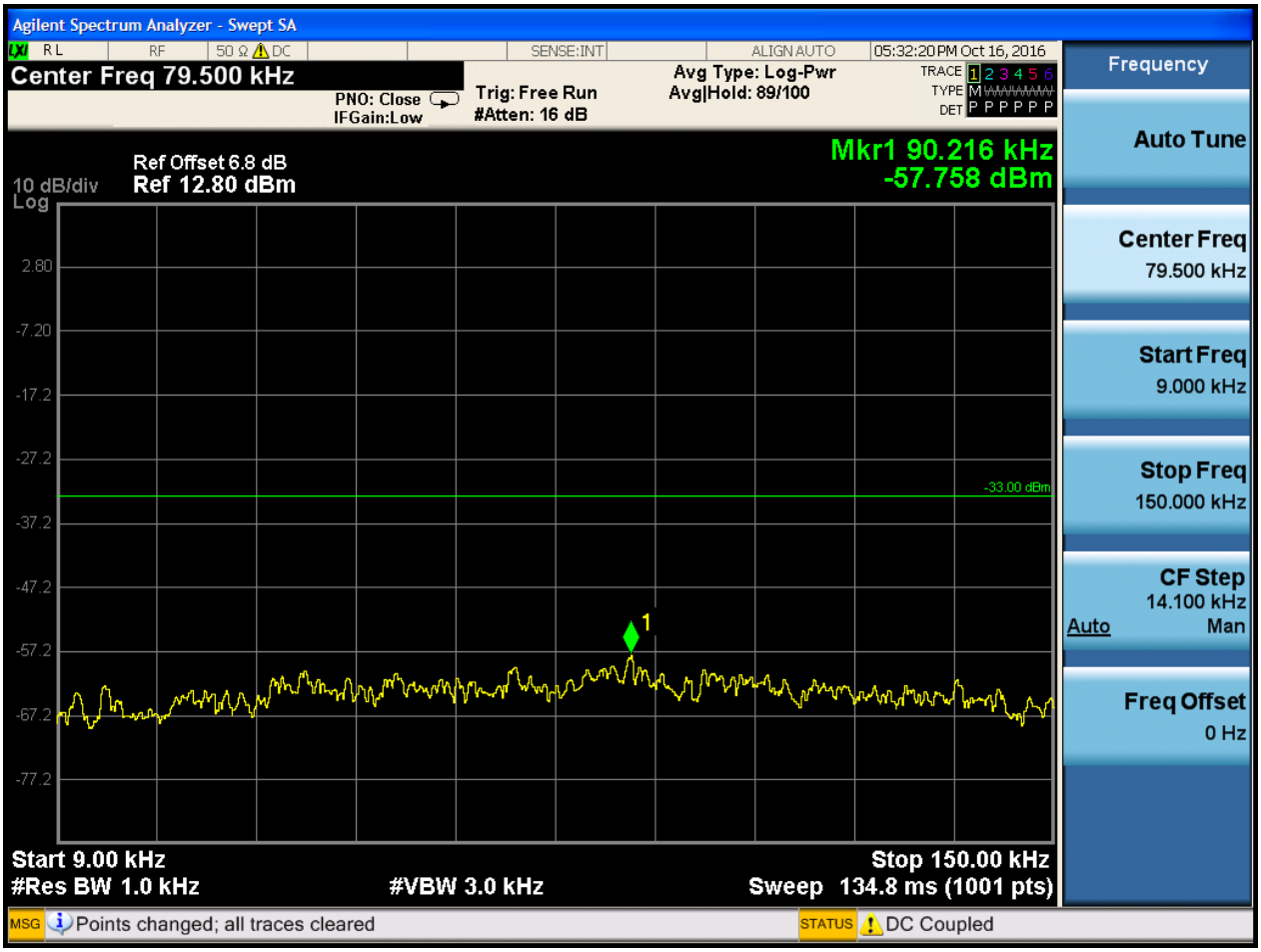
6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



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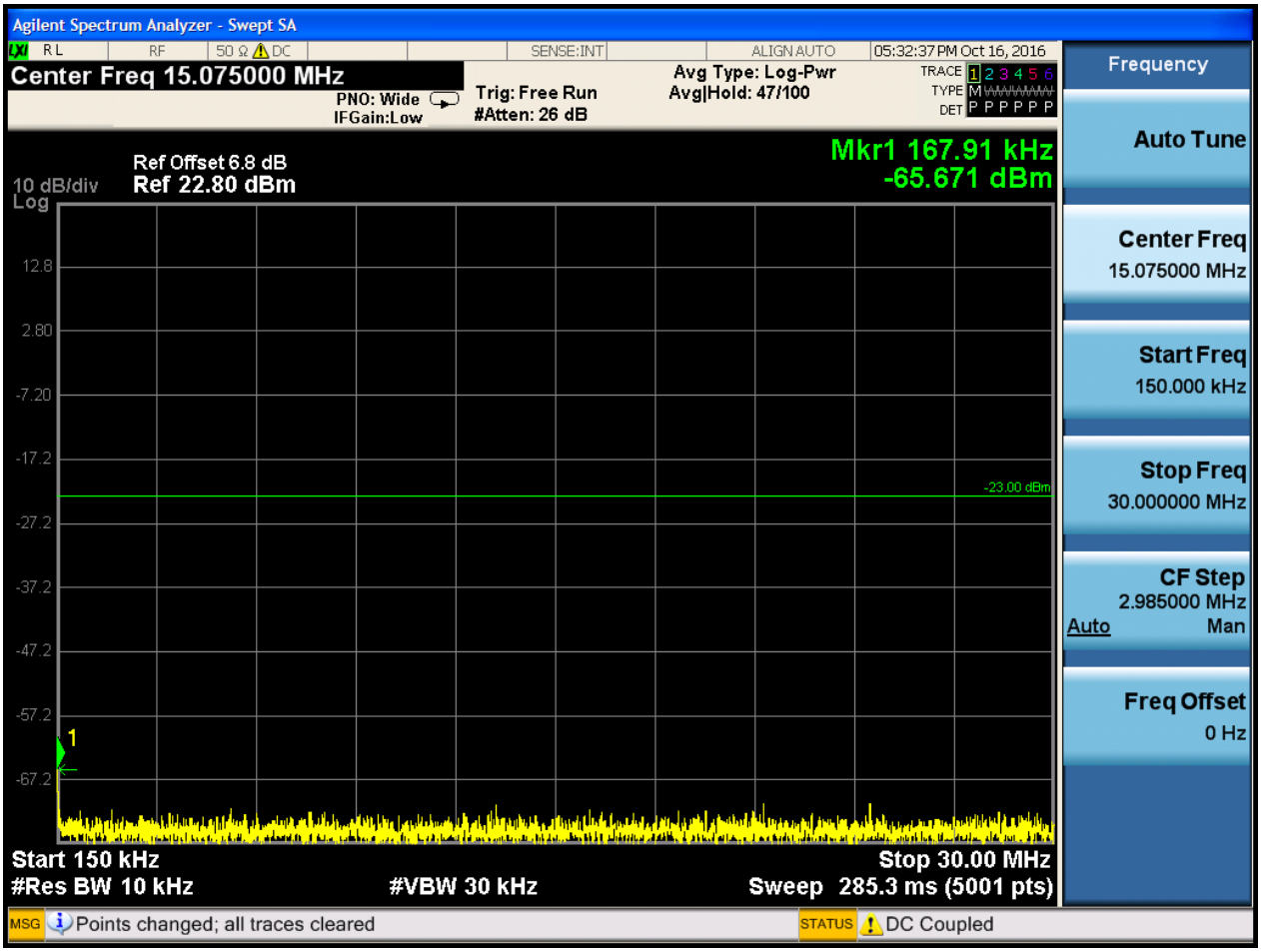

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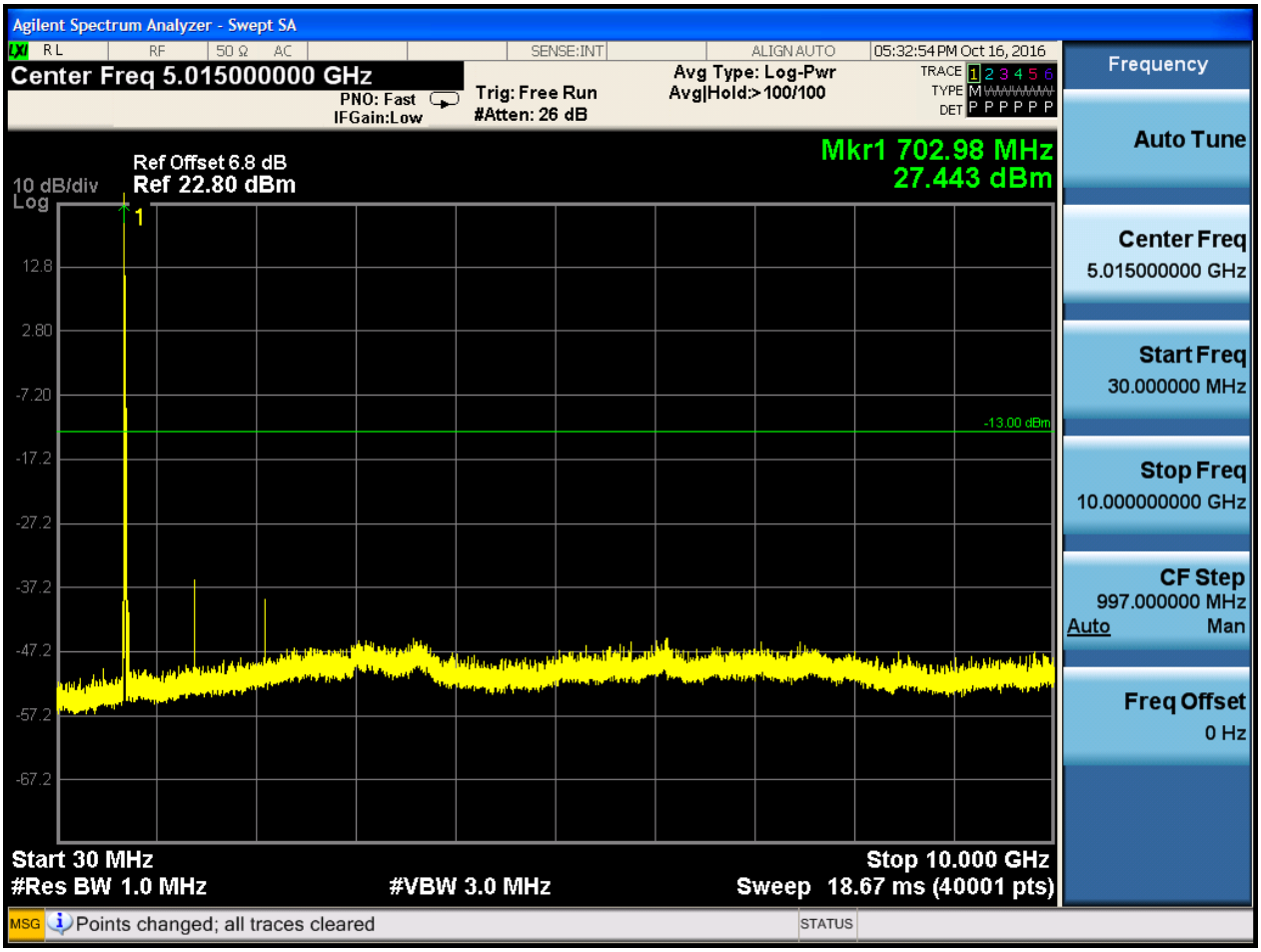

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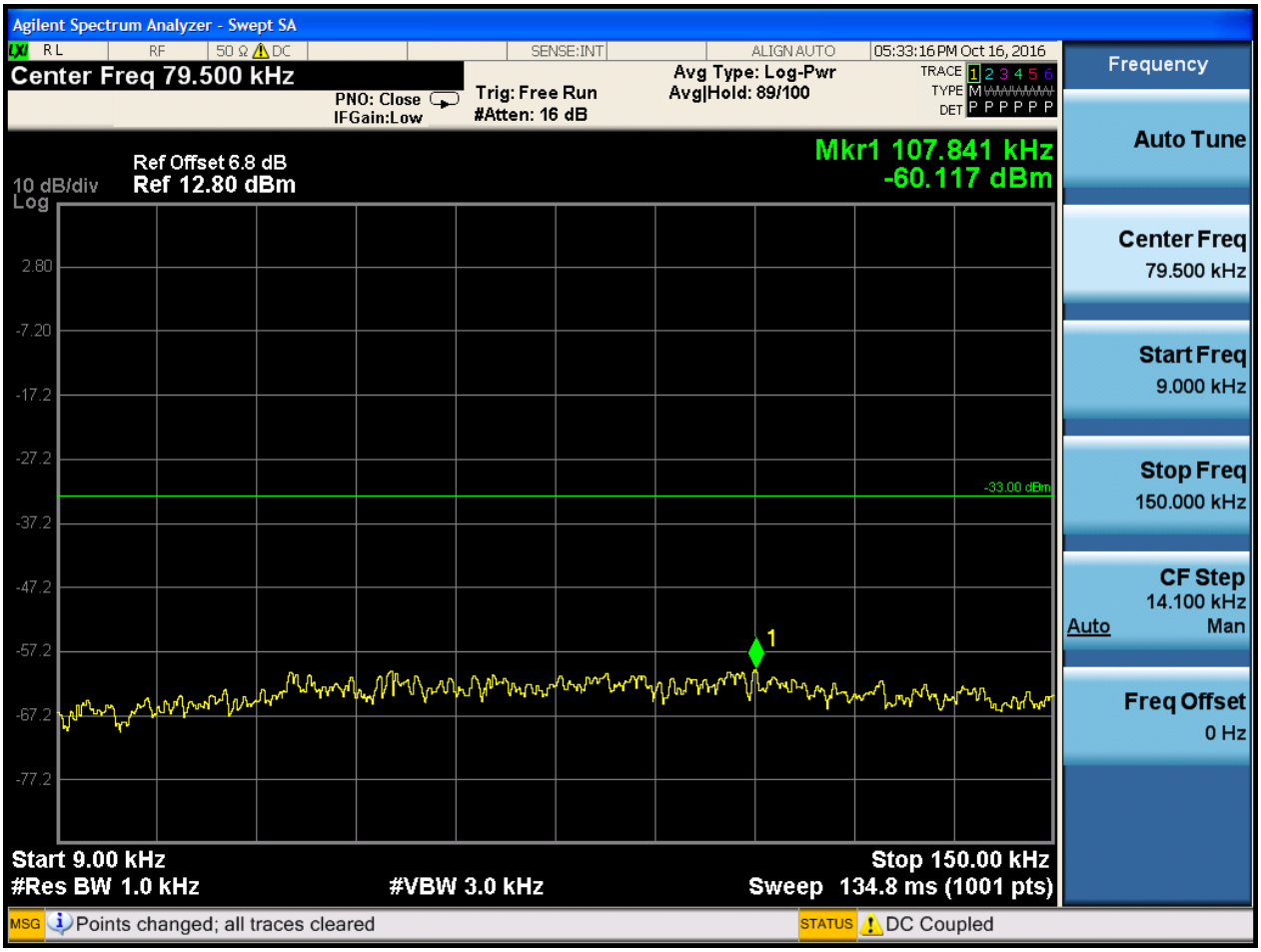
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0



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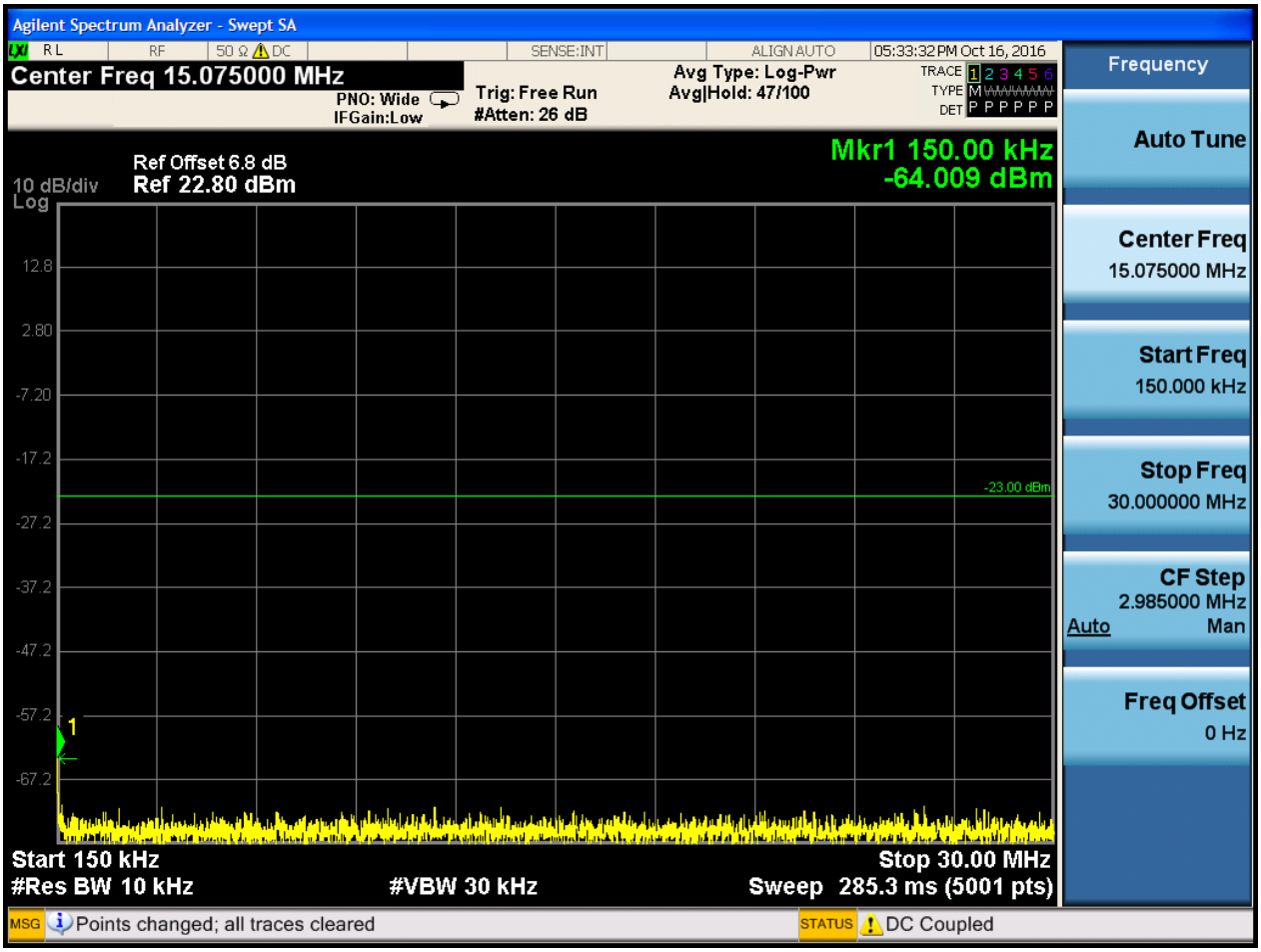

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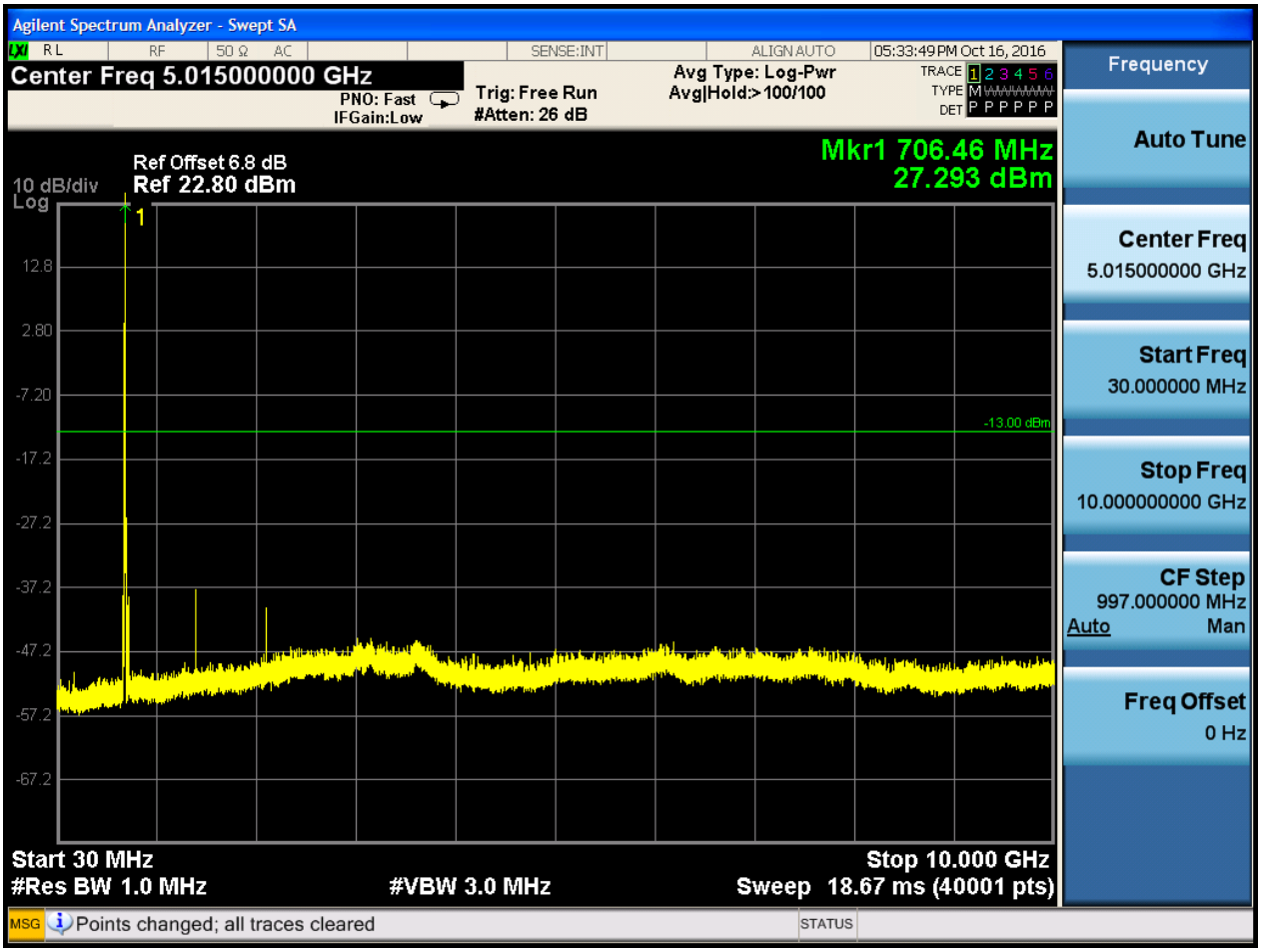

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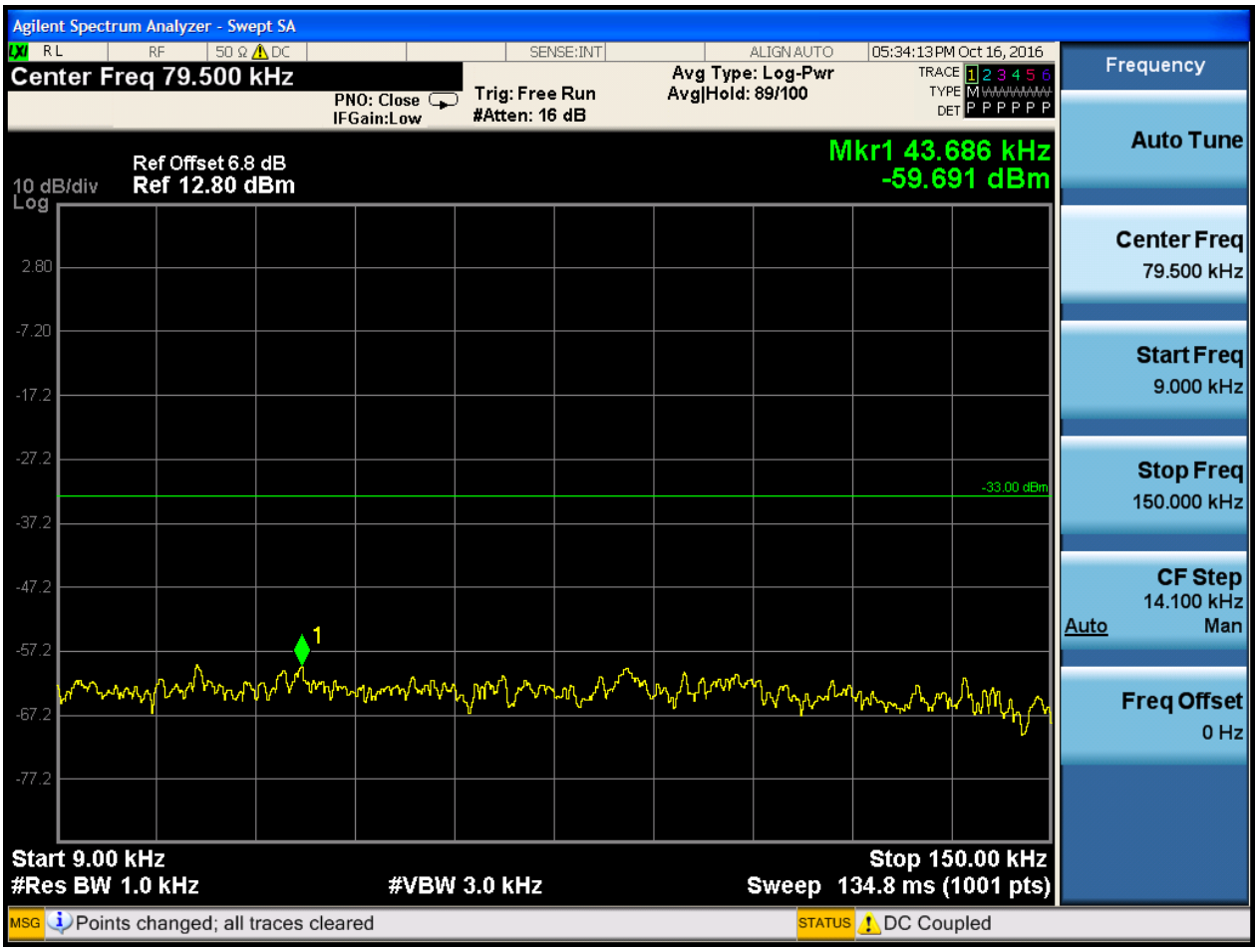
6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



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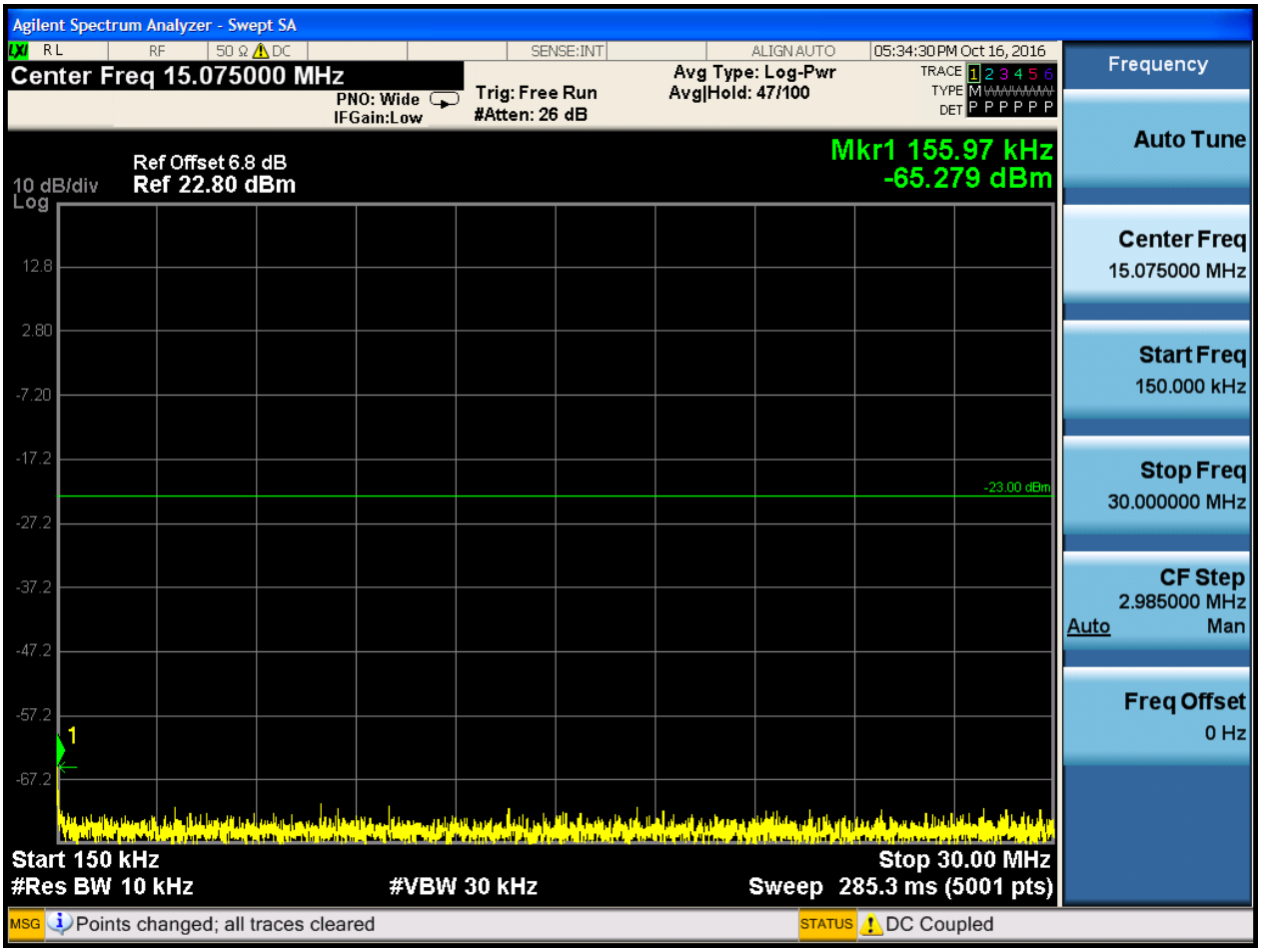

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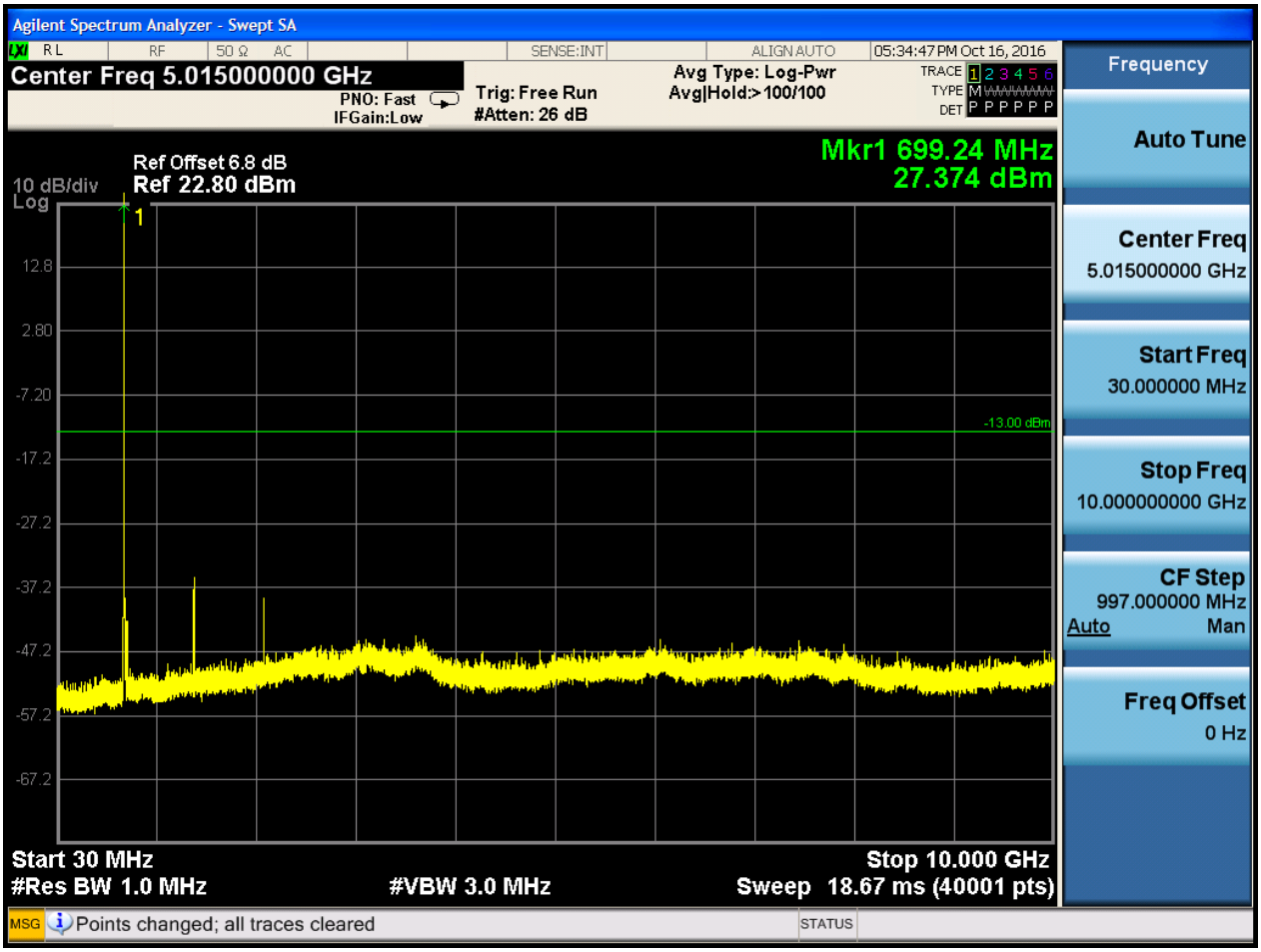

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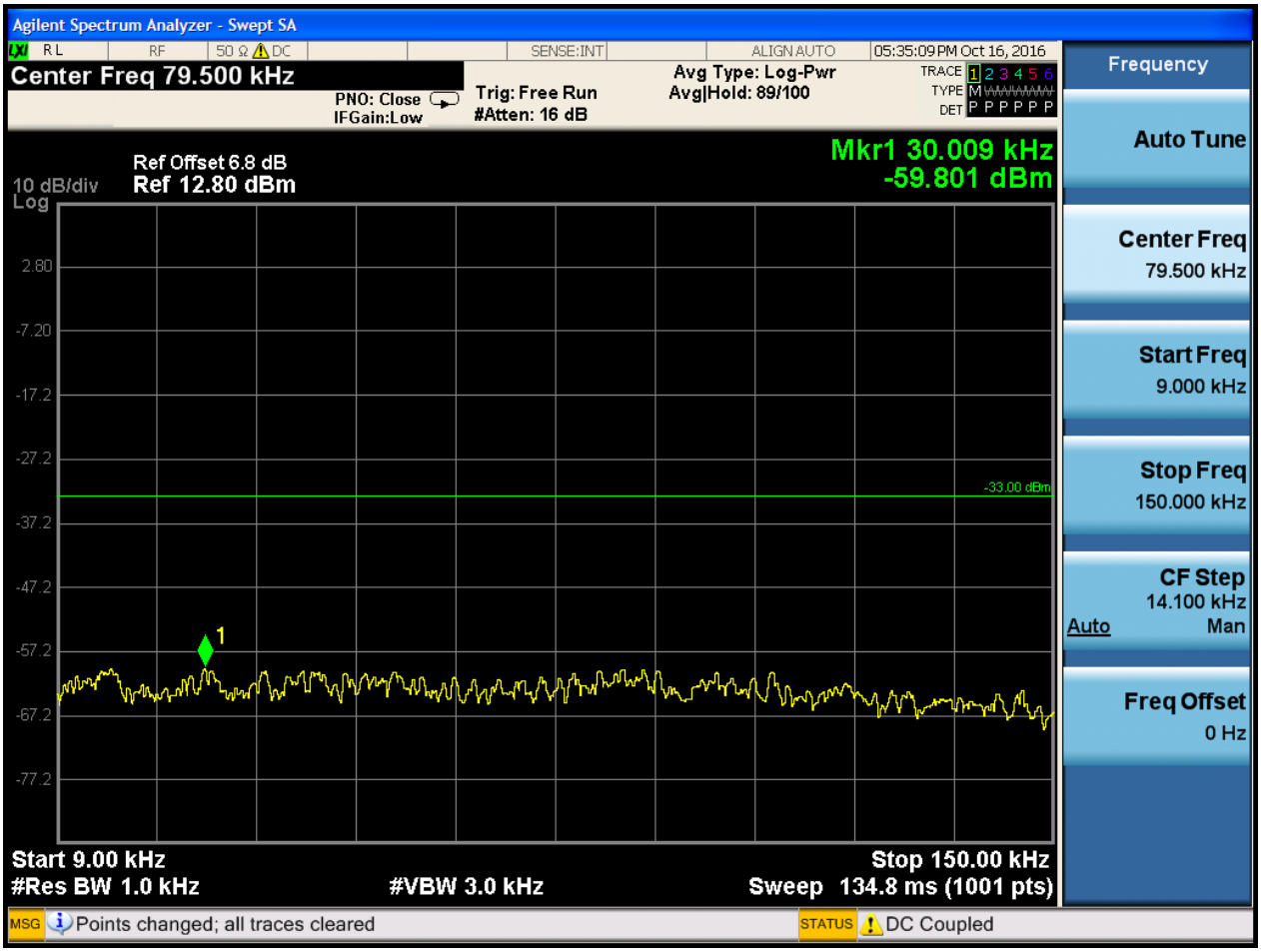
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



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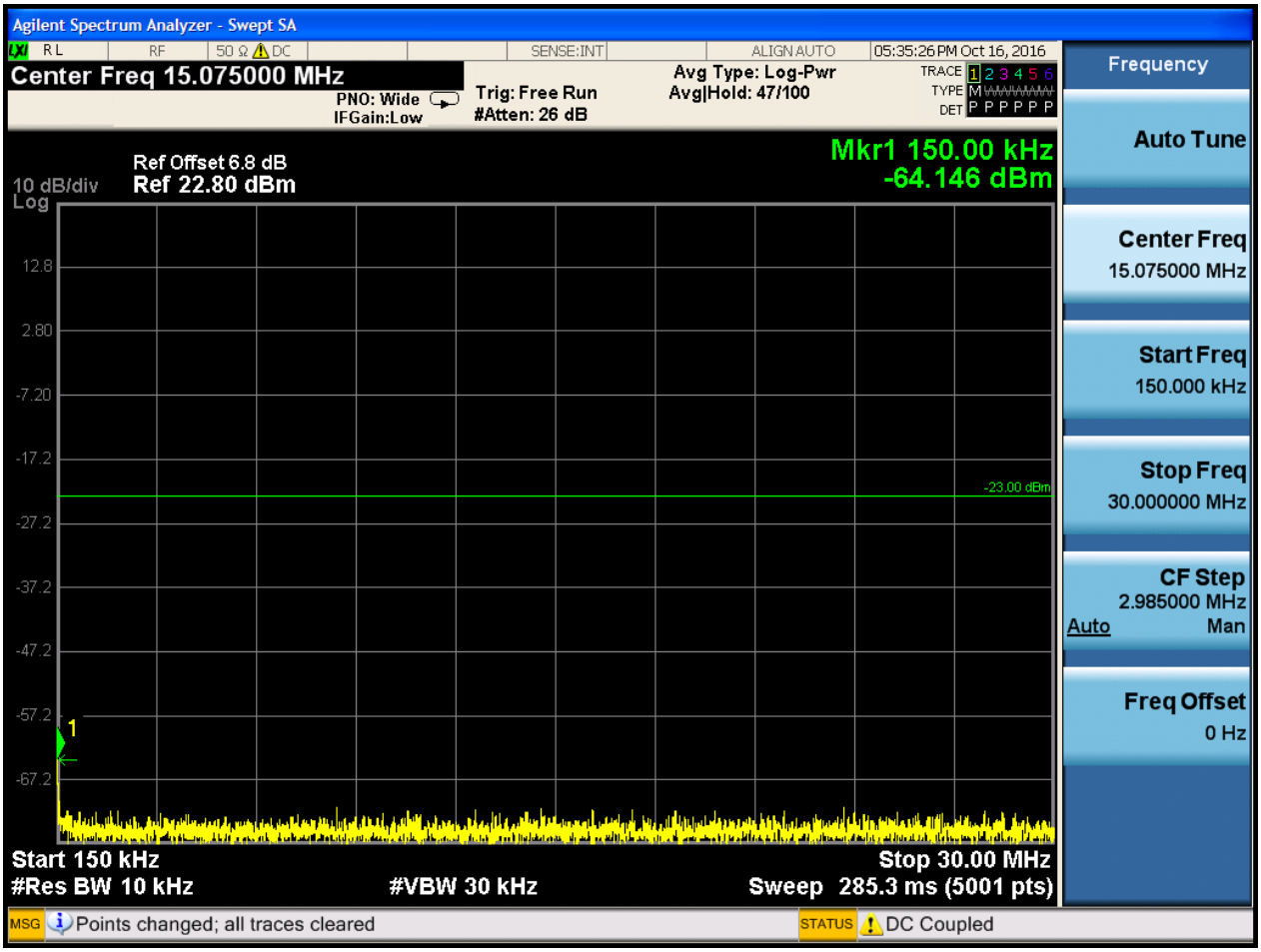

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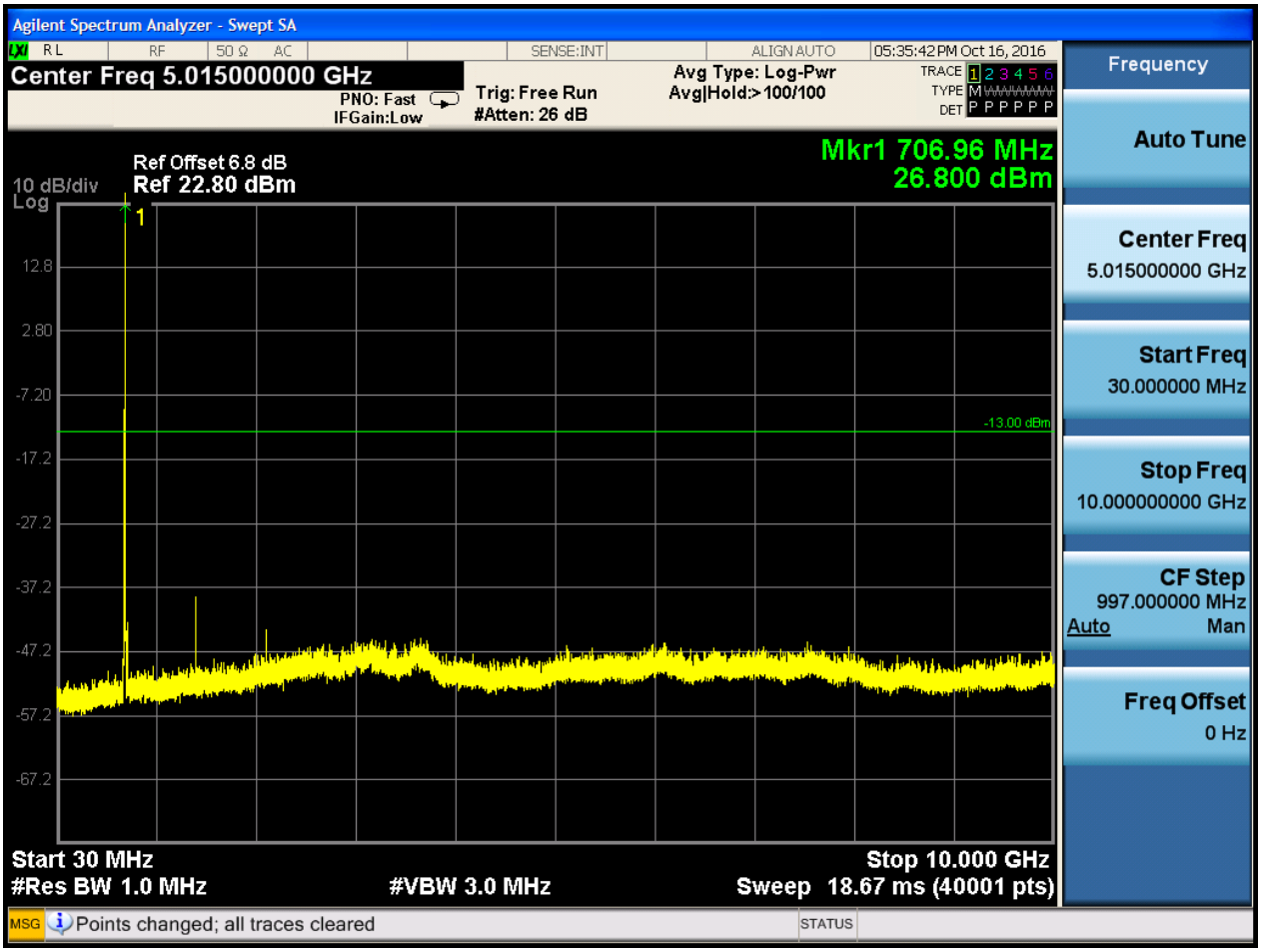

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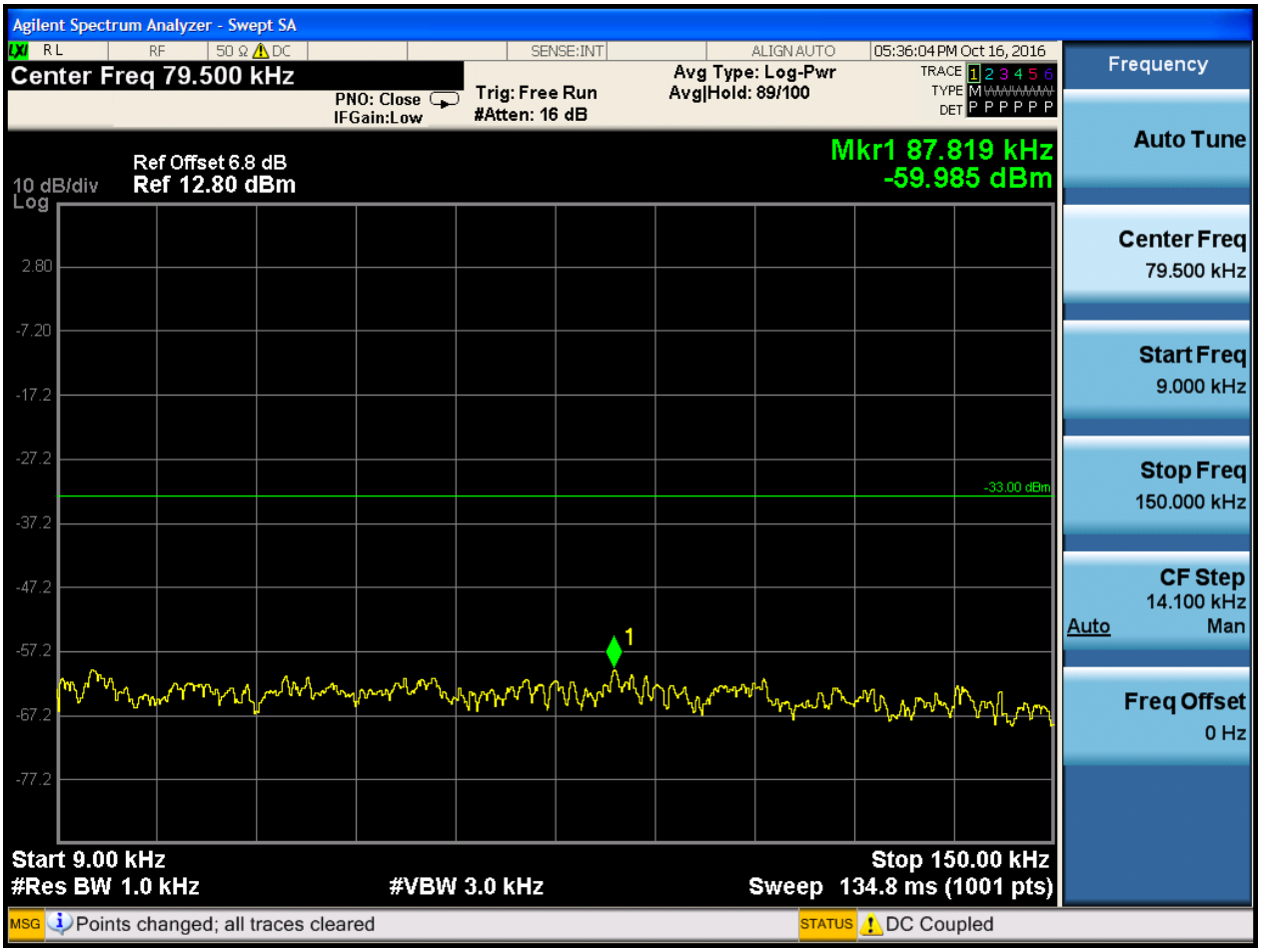
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



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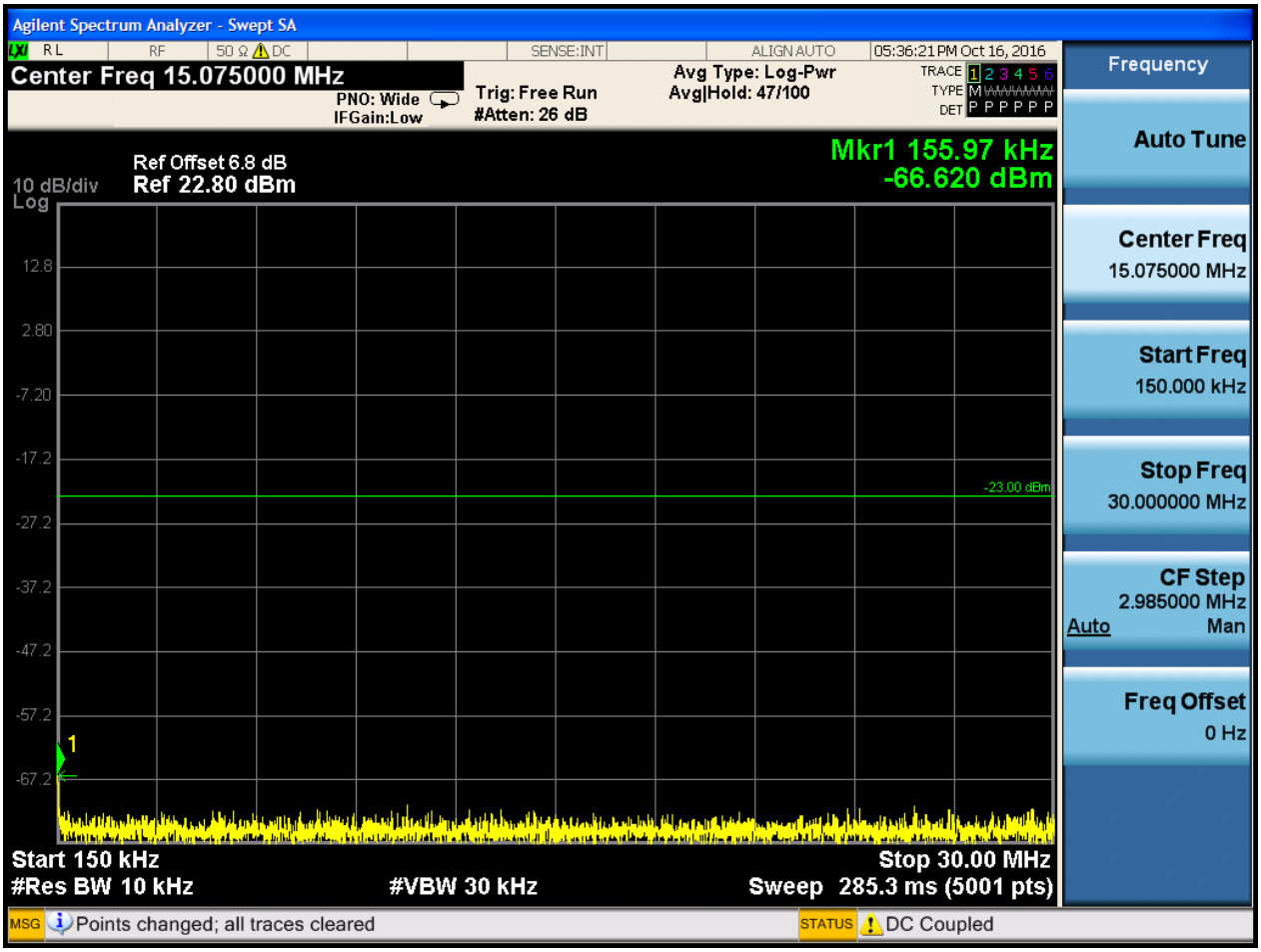

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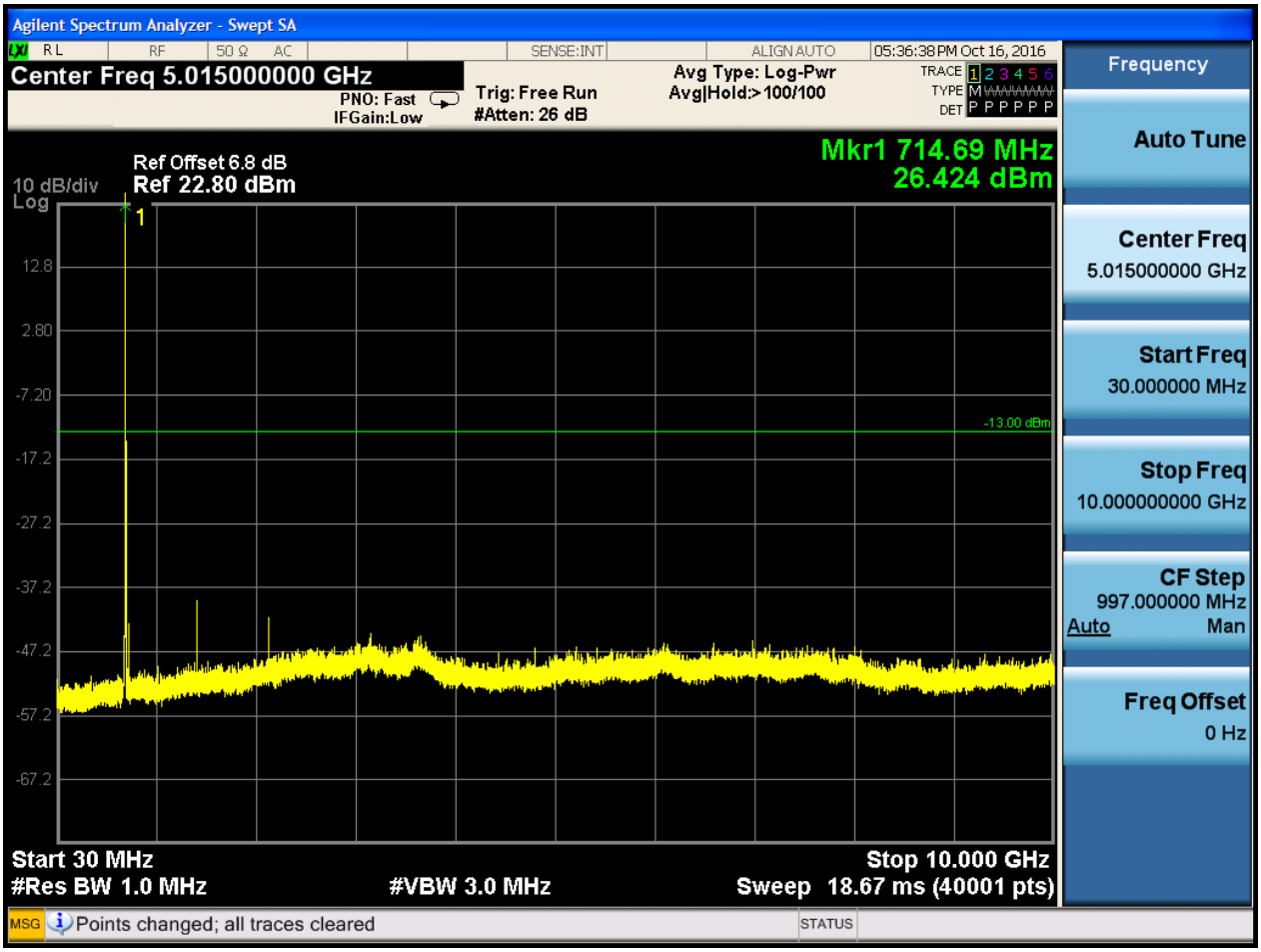

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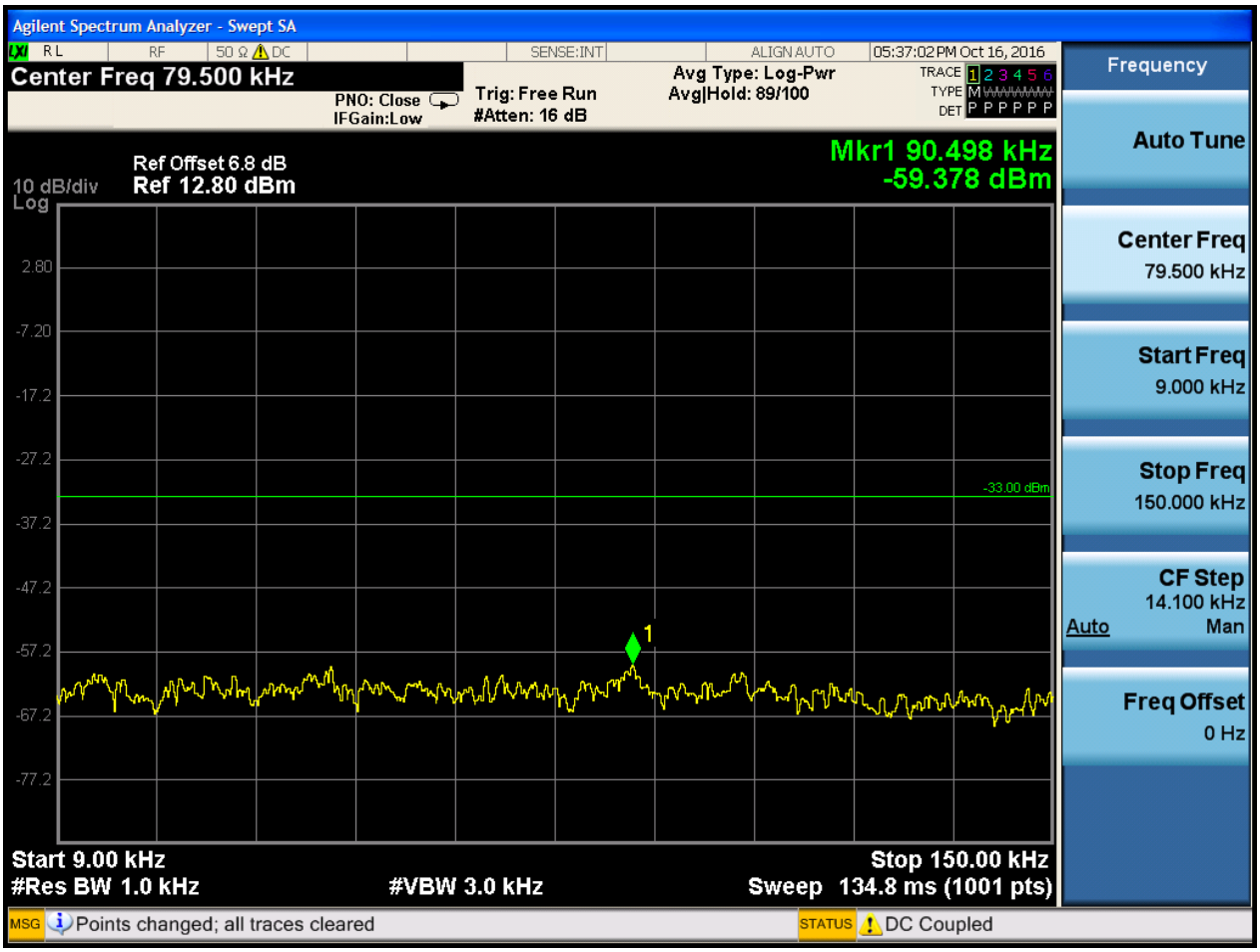
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



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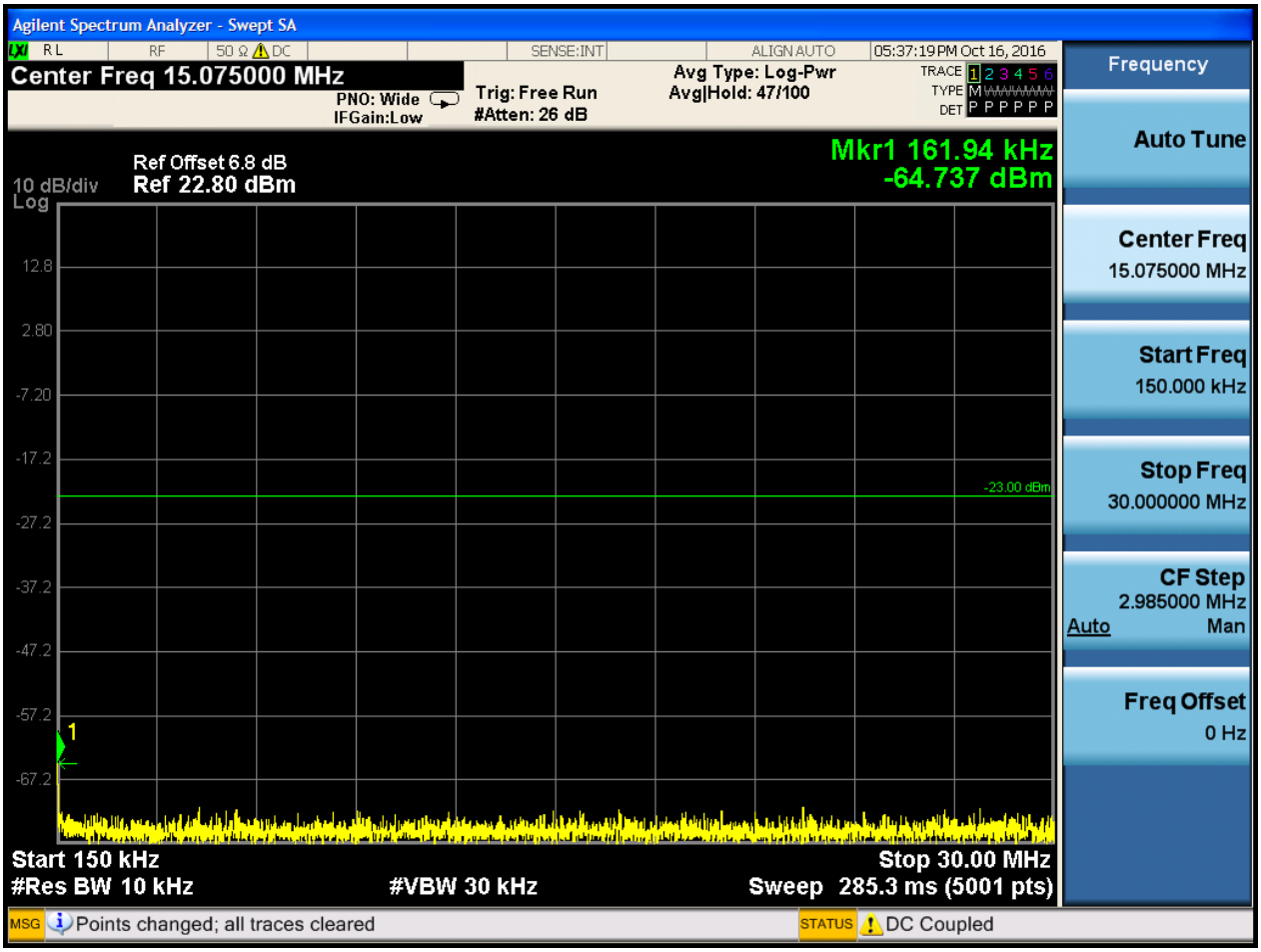

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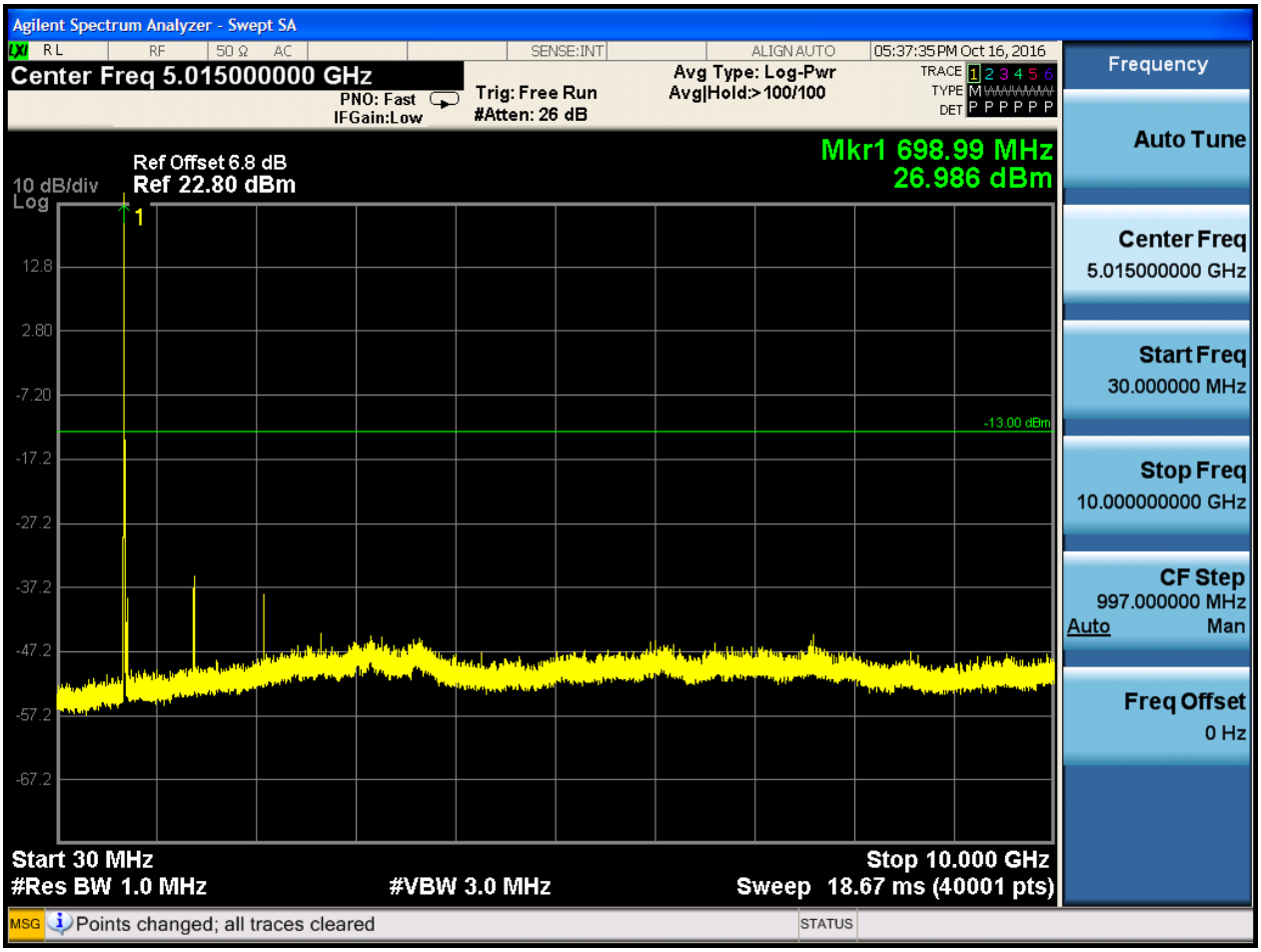

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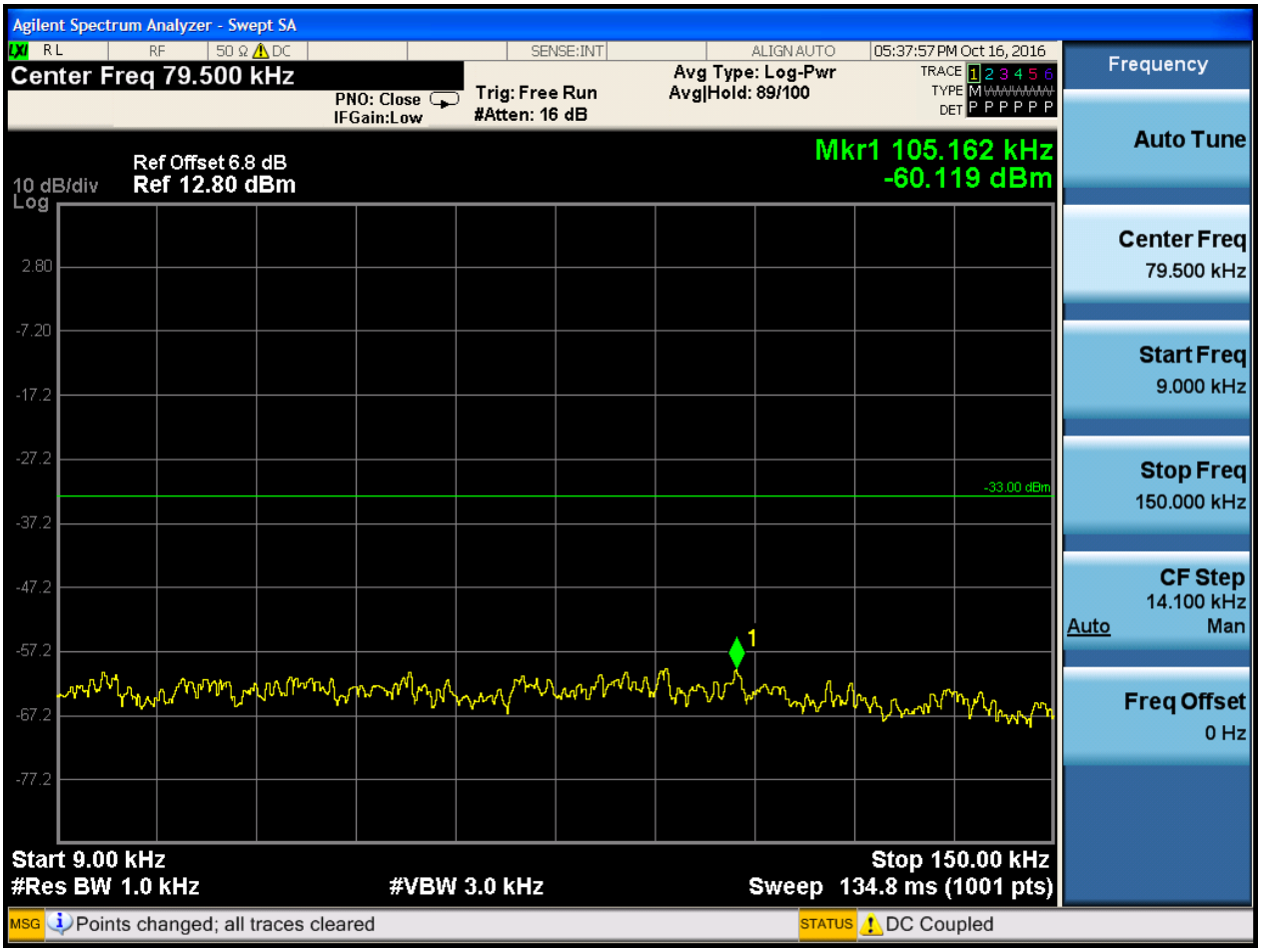
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



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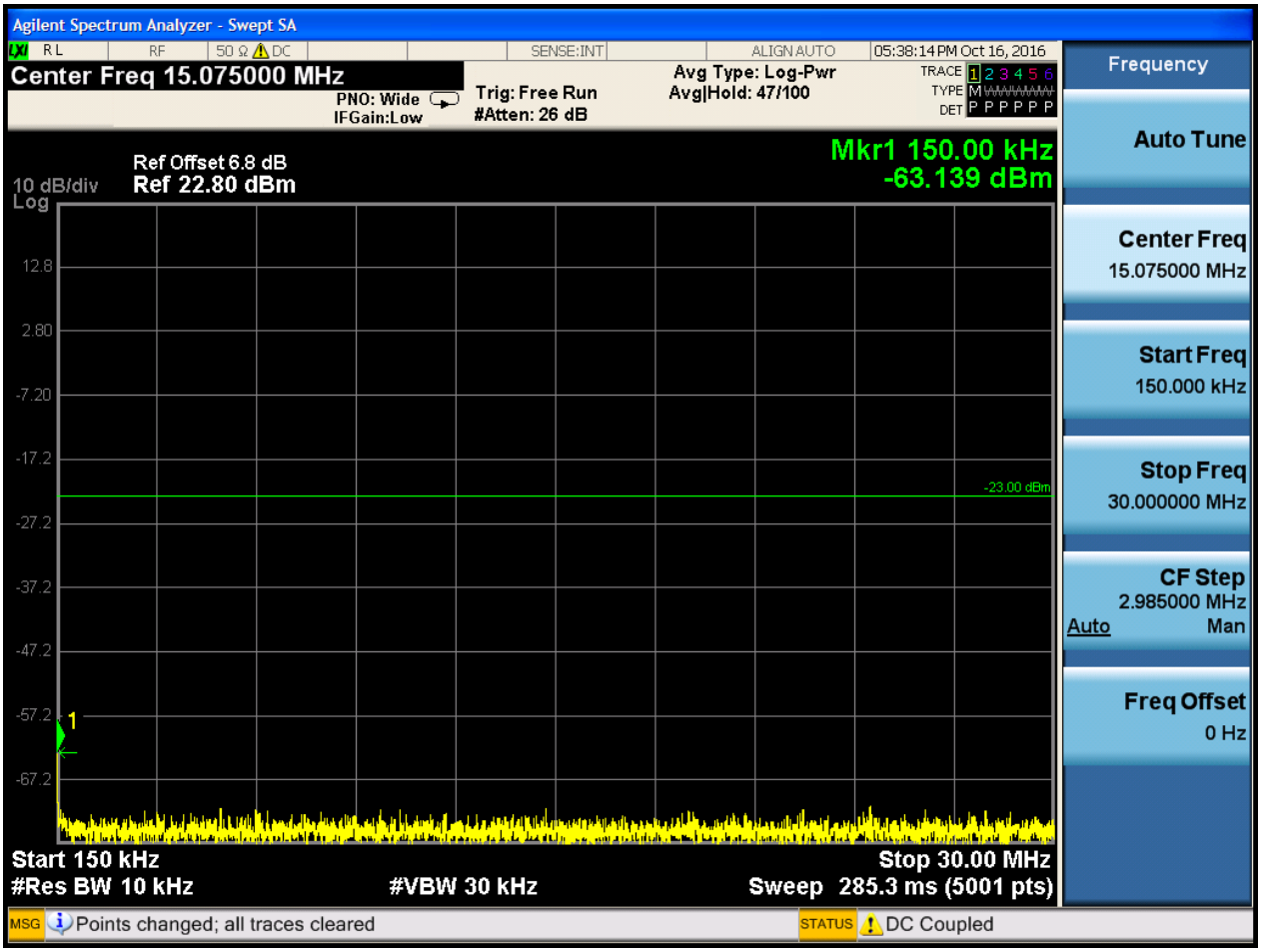

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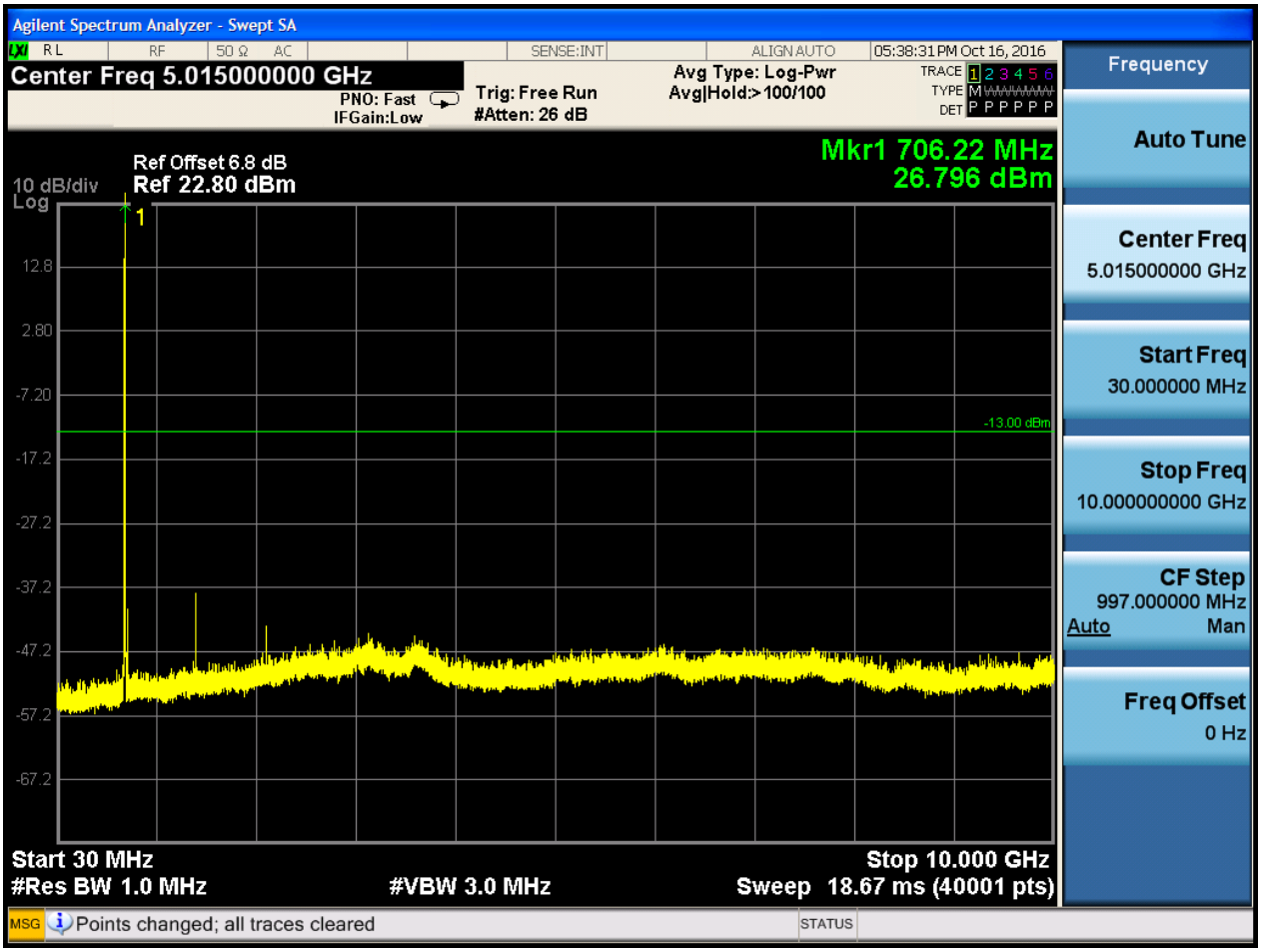

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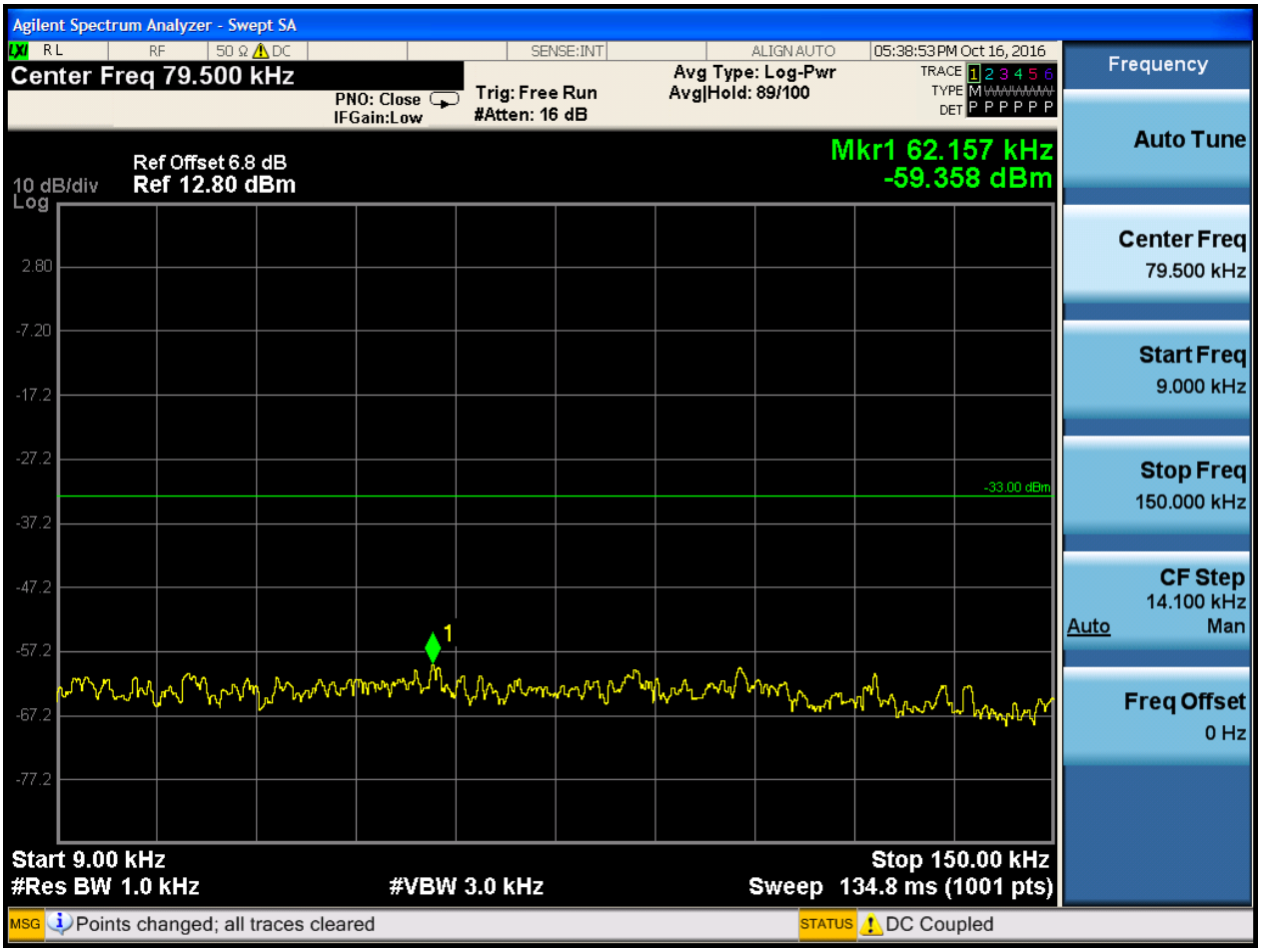
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



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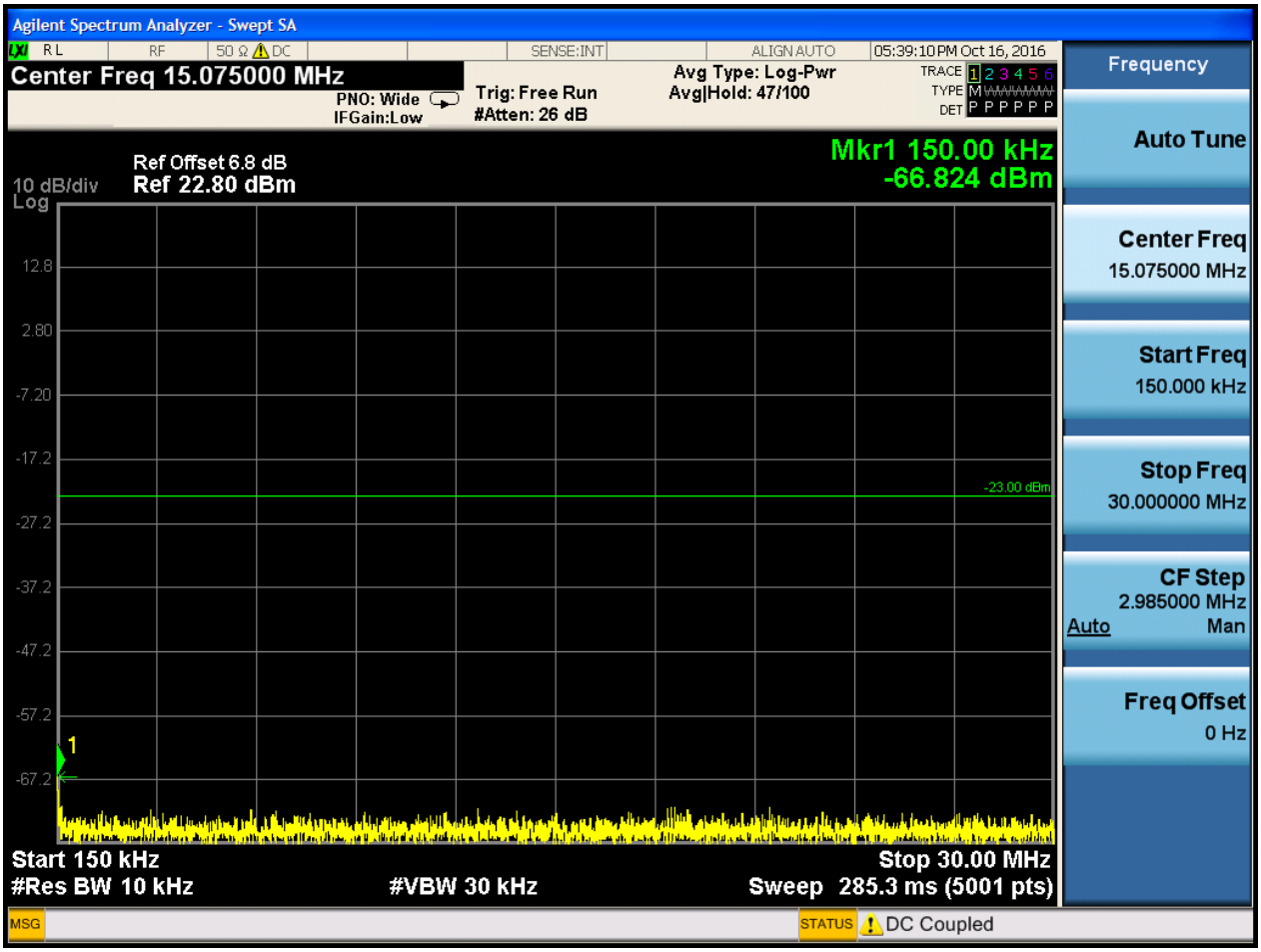

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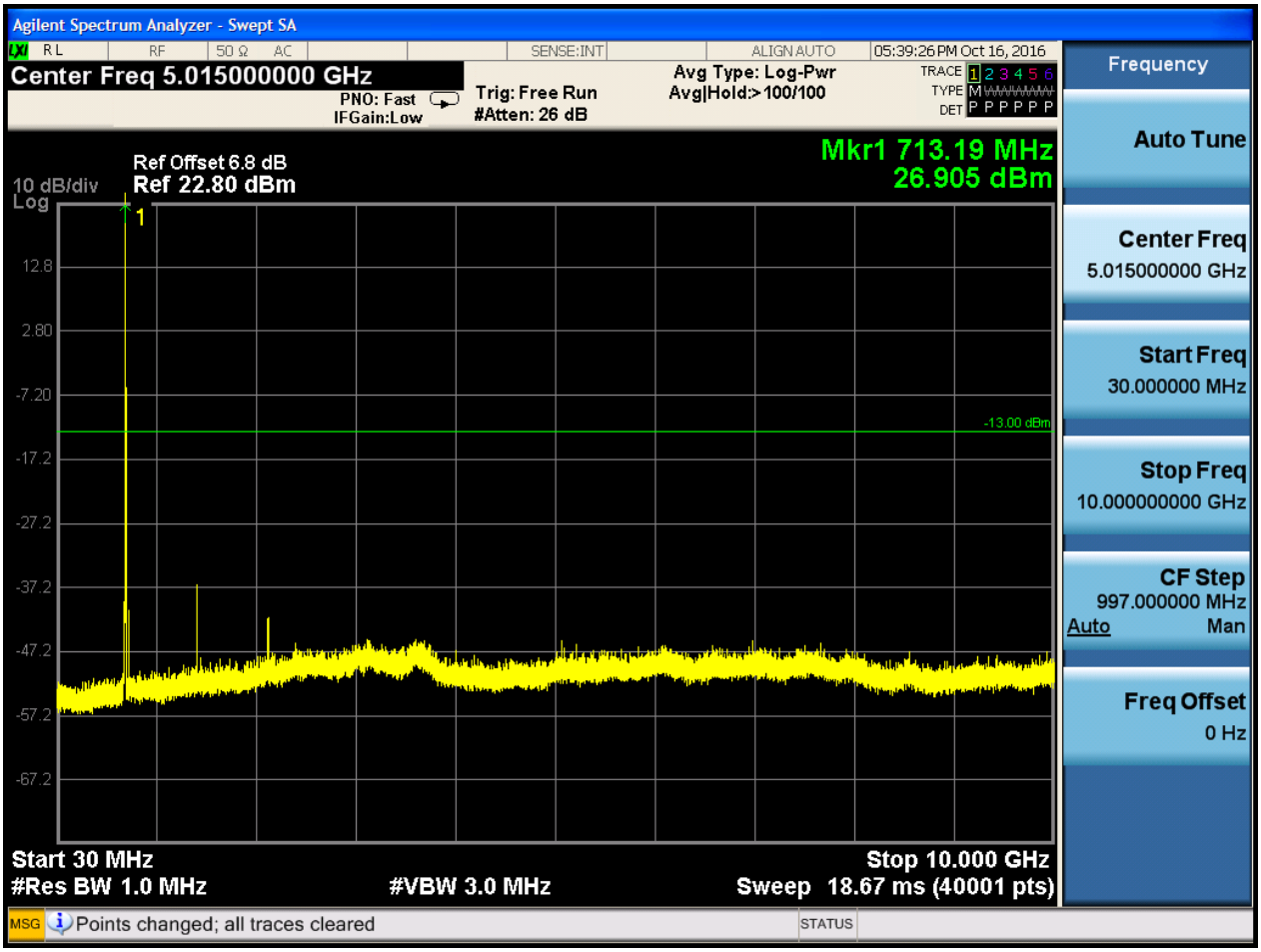

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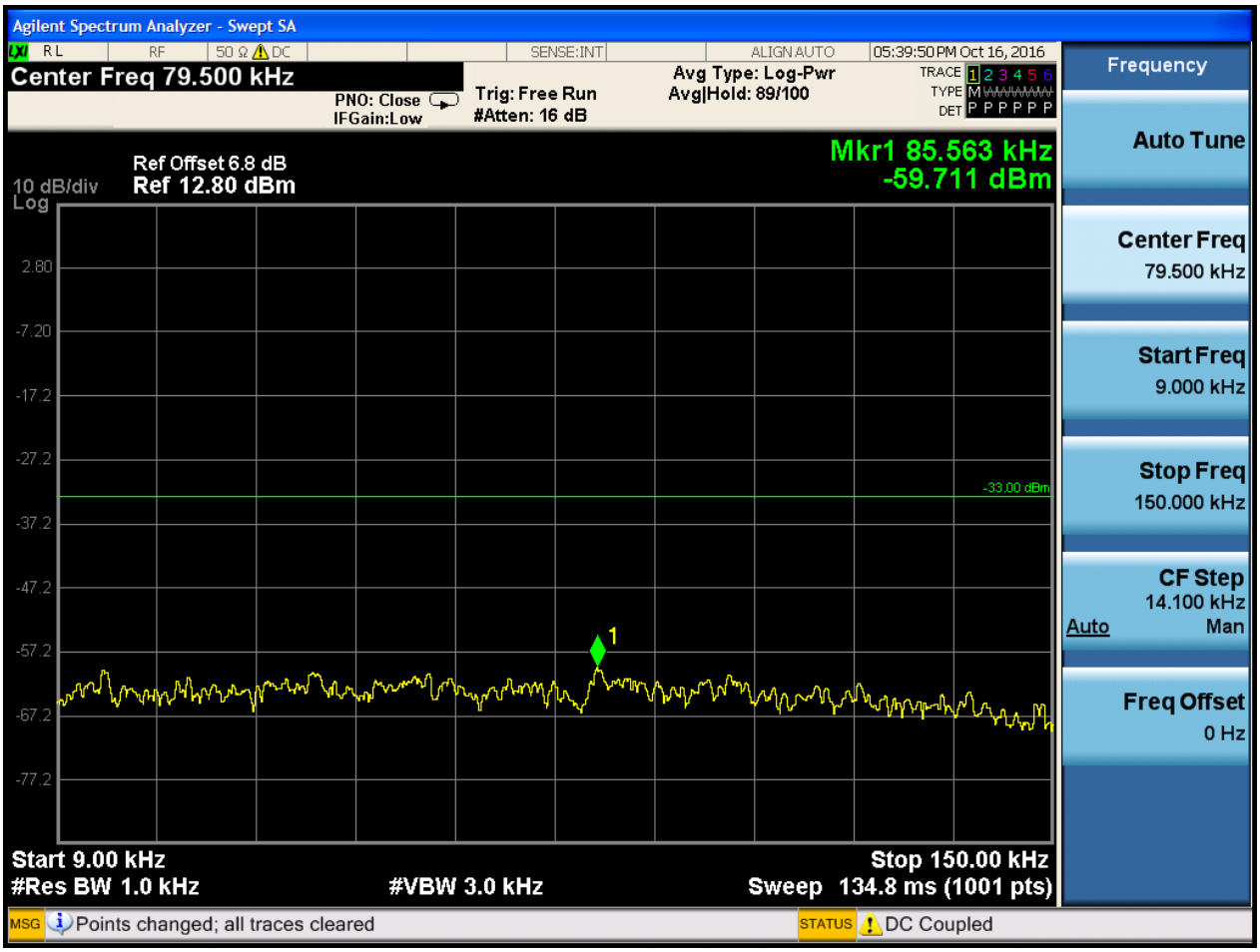
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



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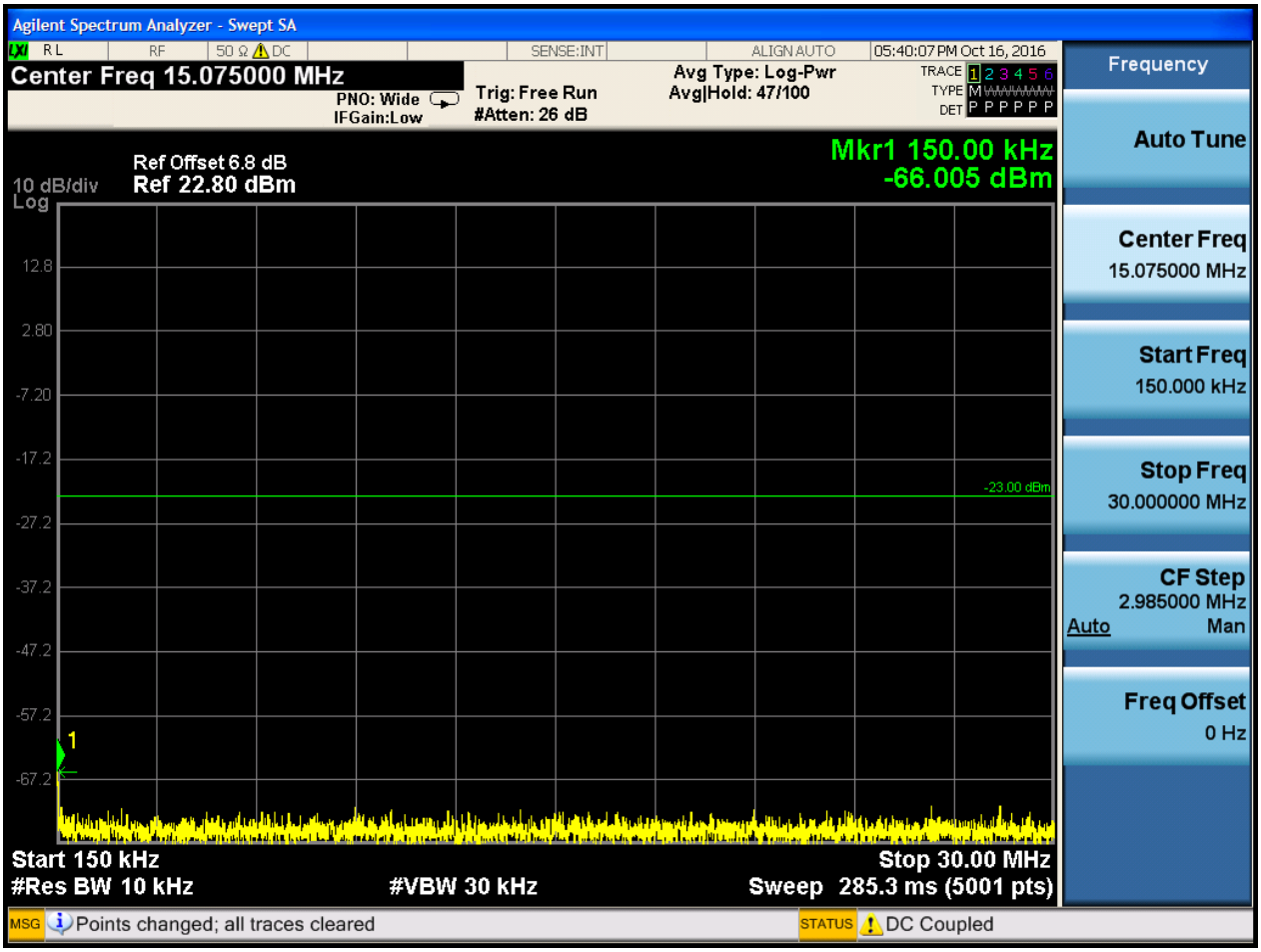

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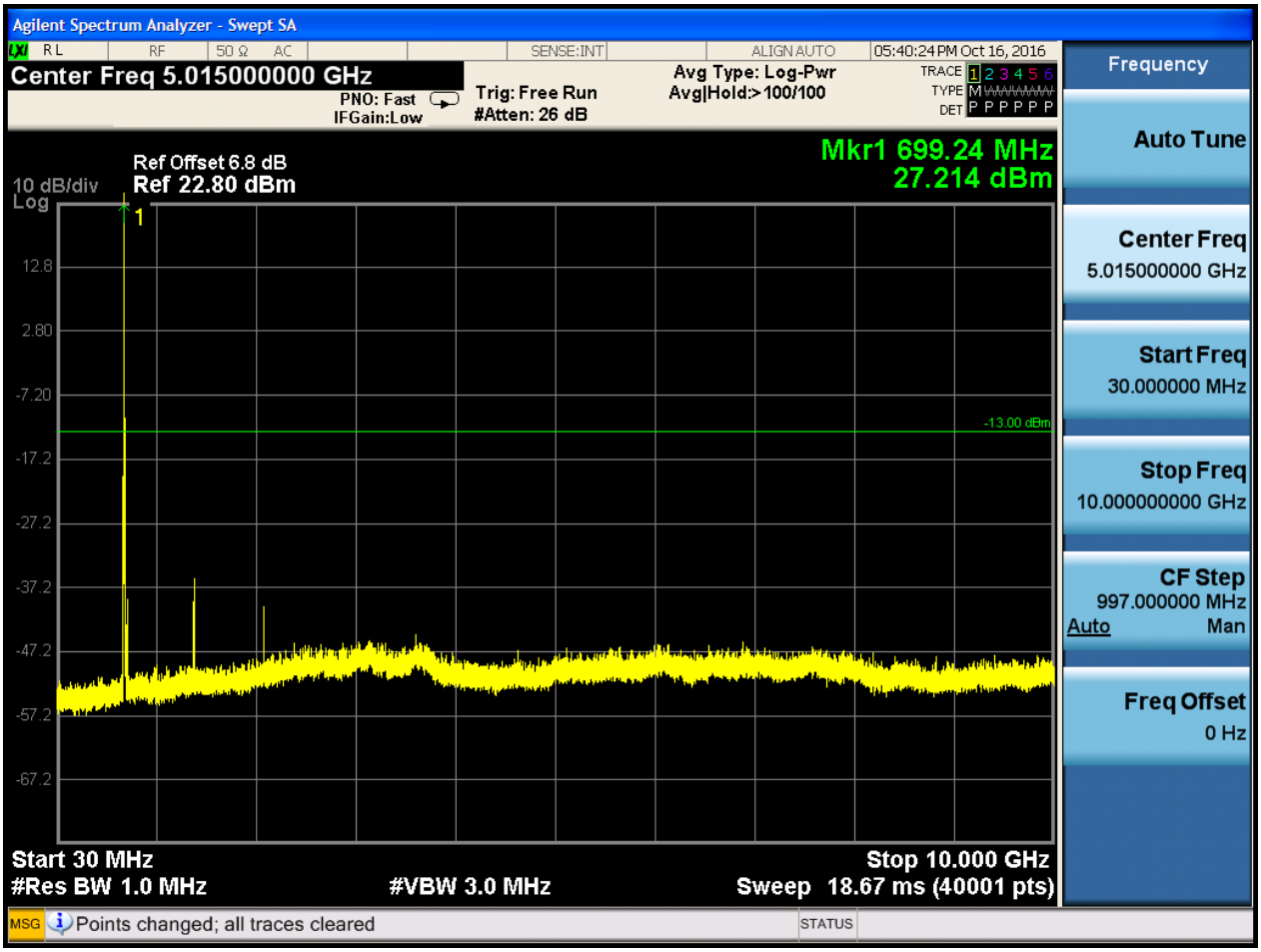

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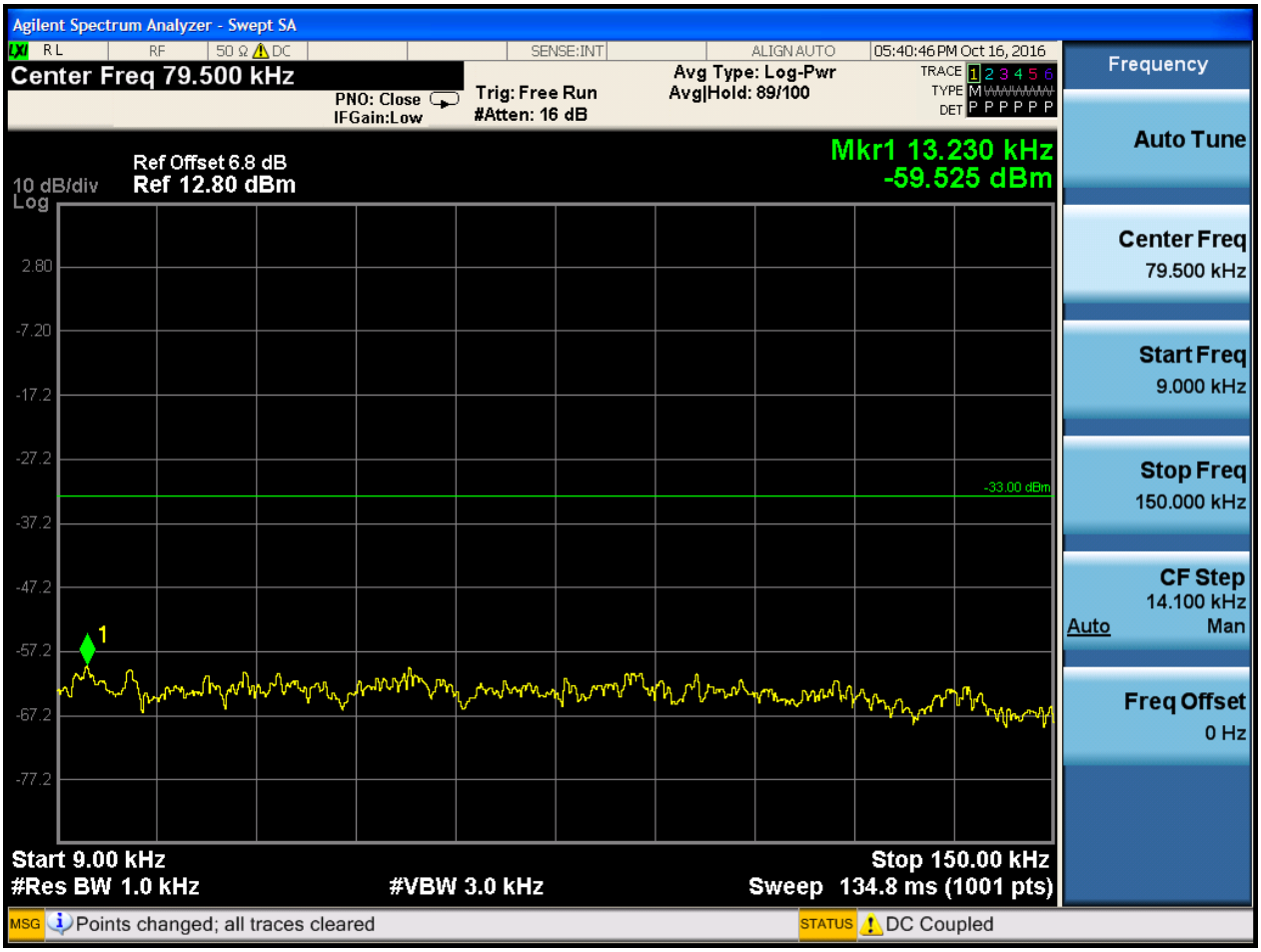
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



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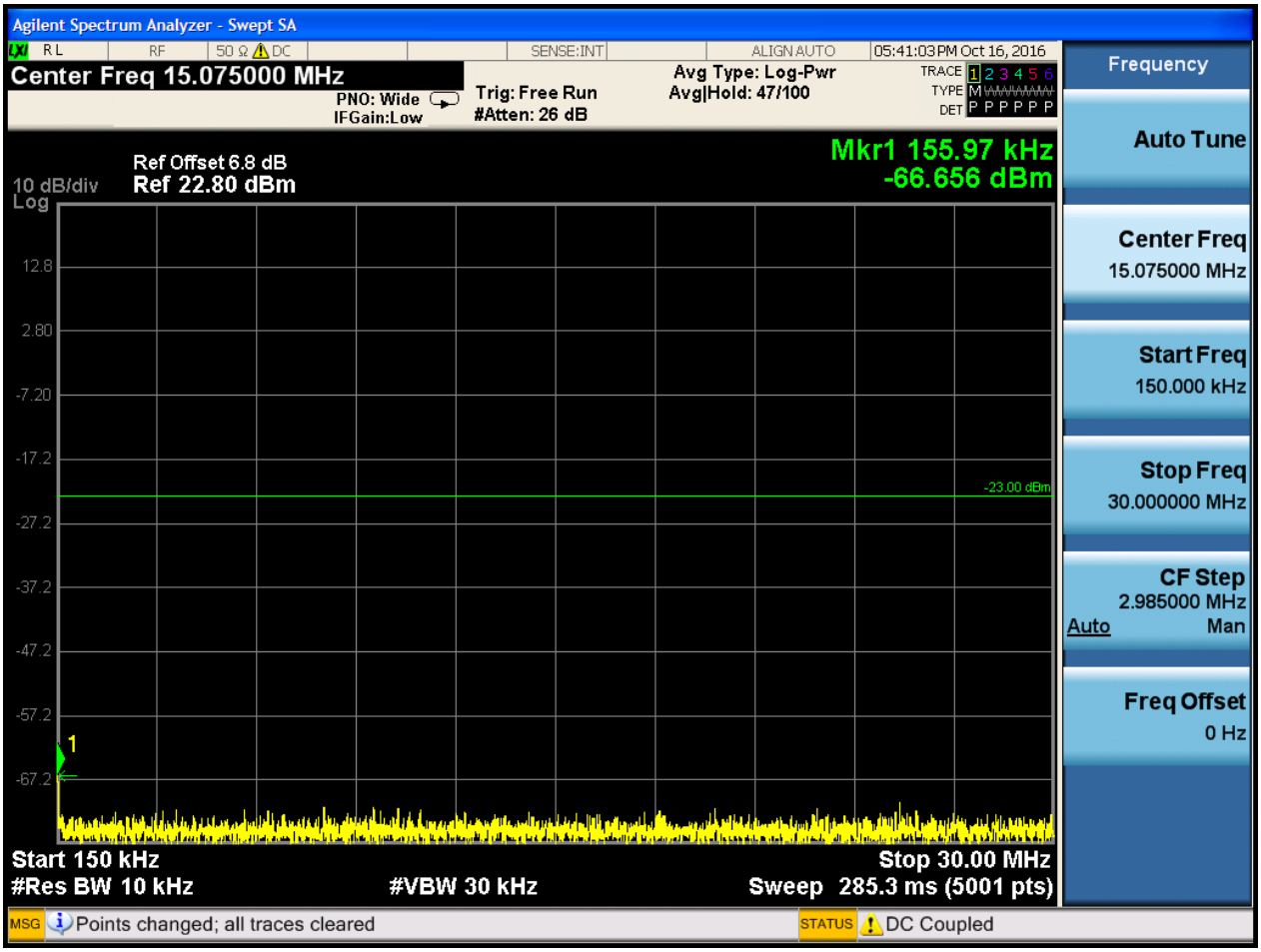

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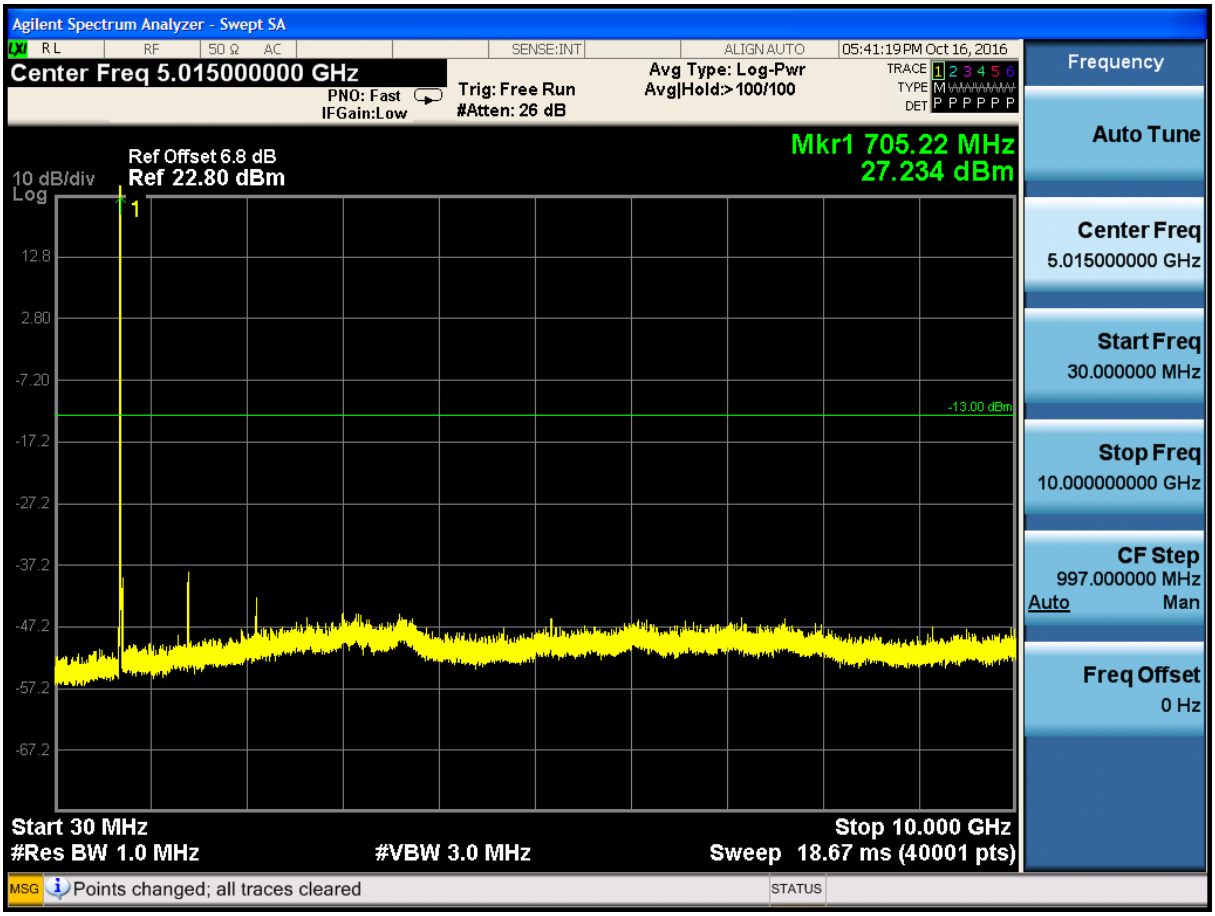

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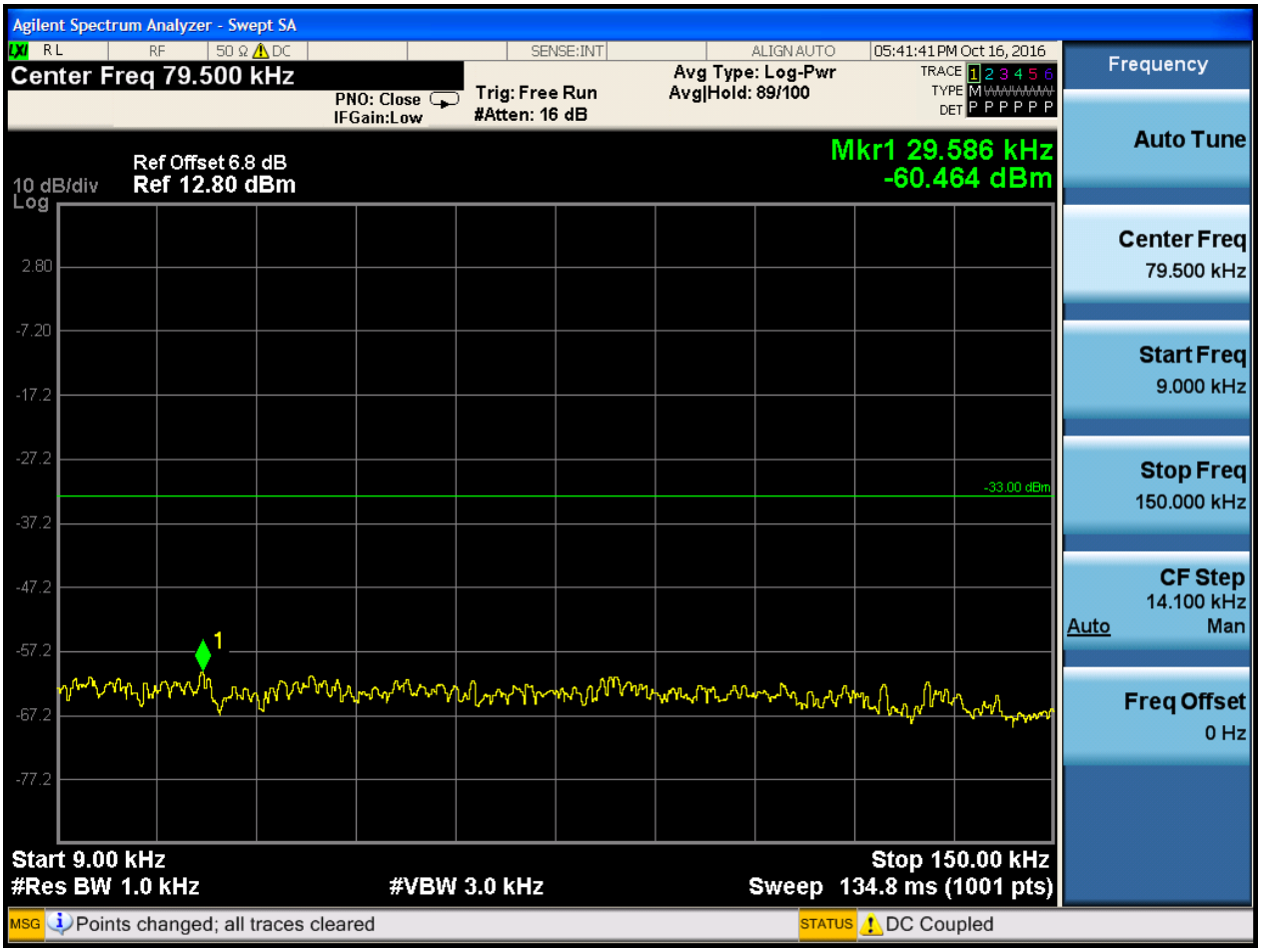
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



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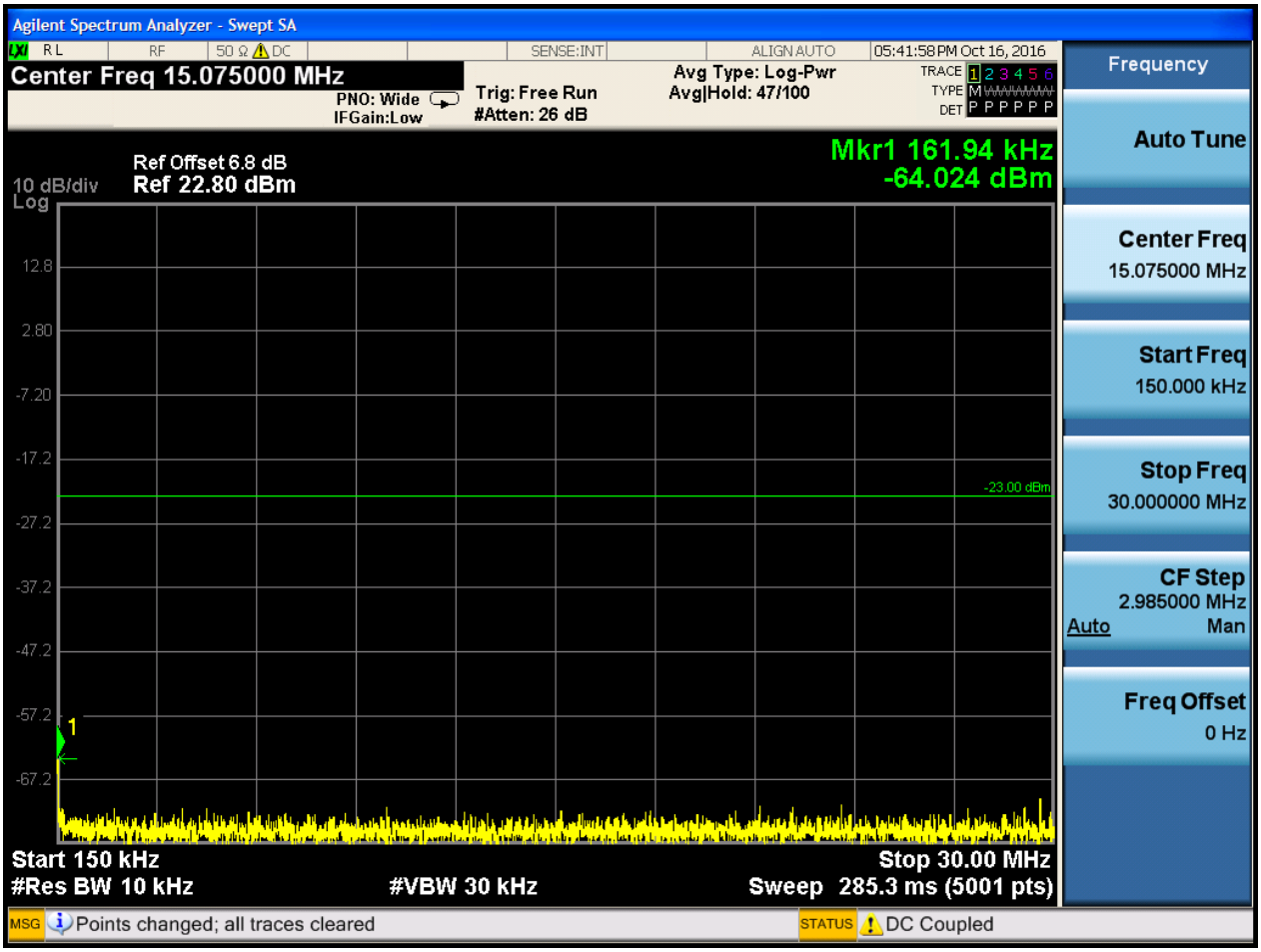

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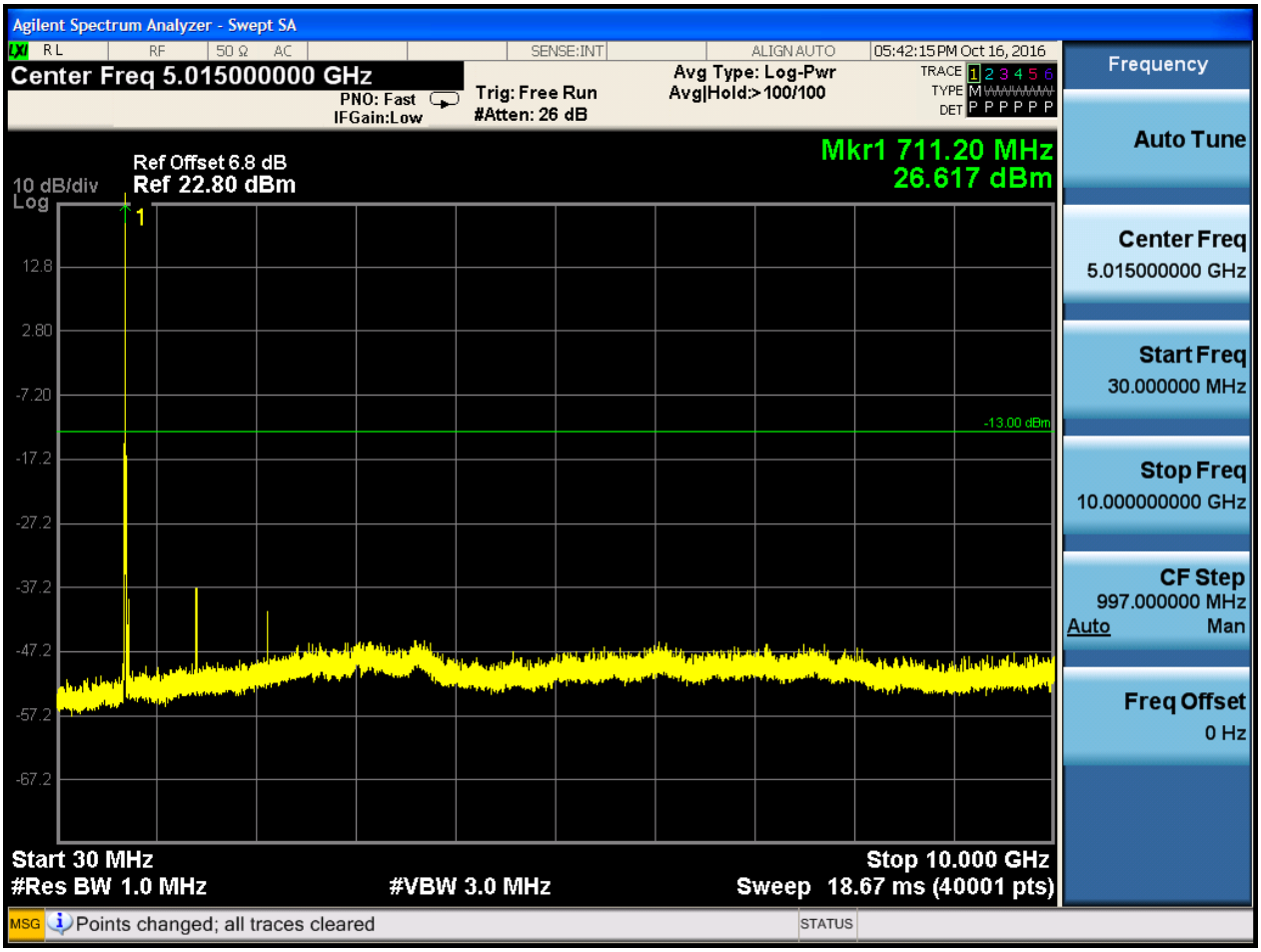

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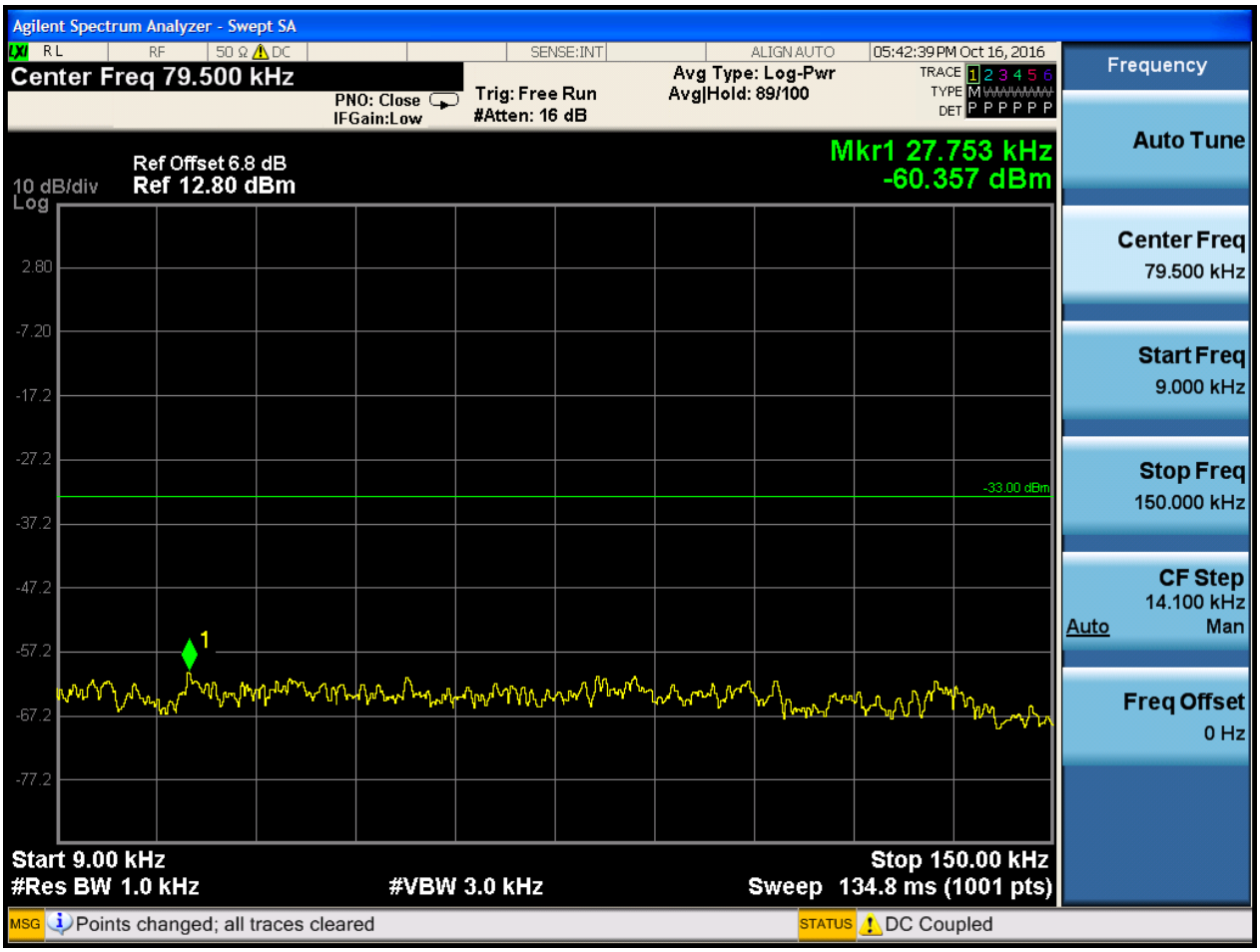
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



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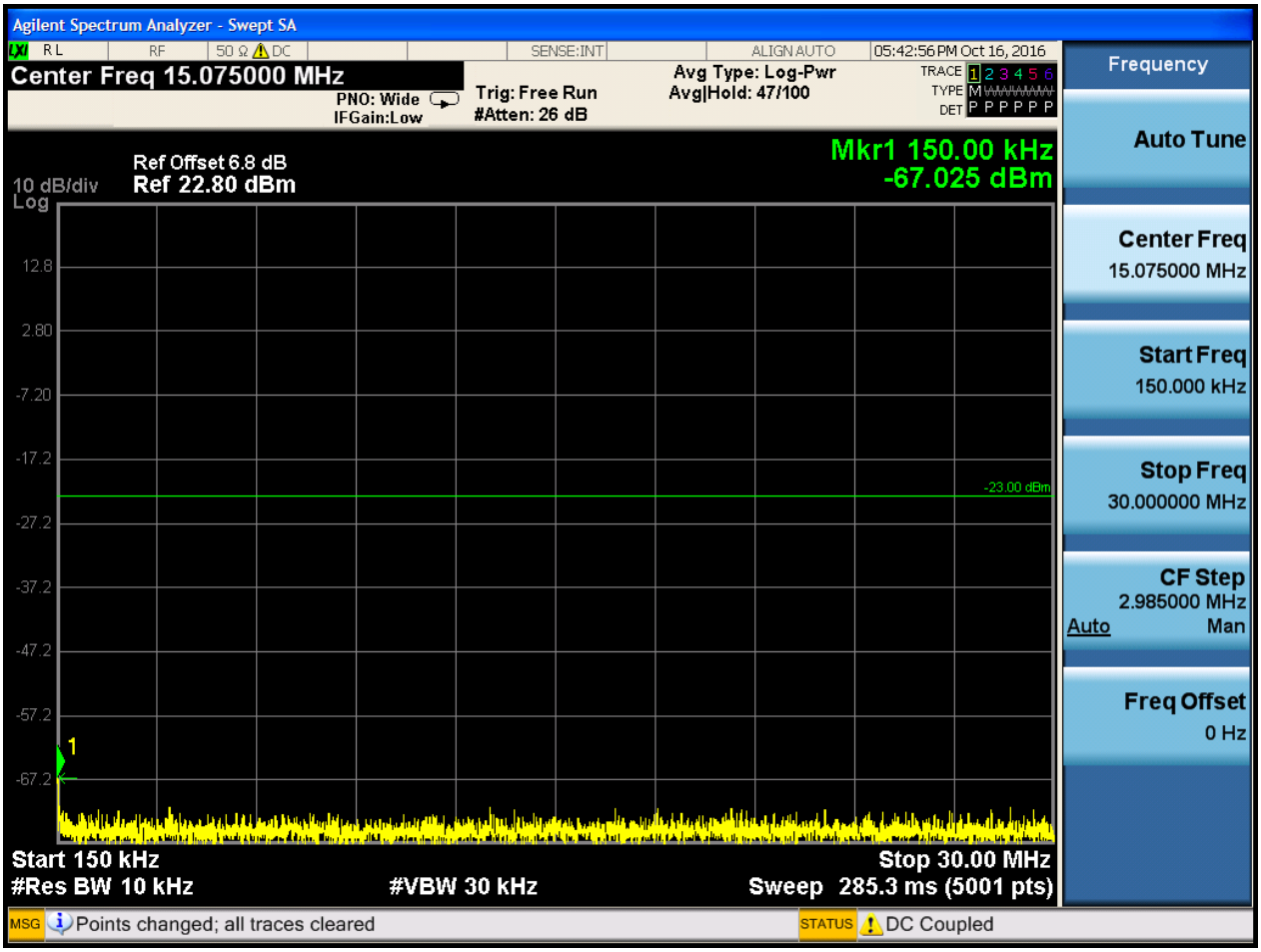

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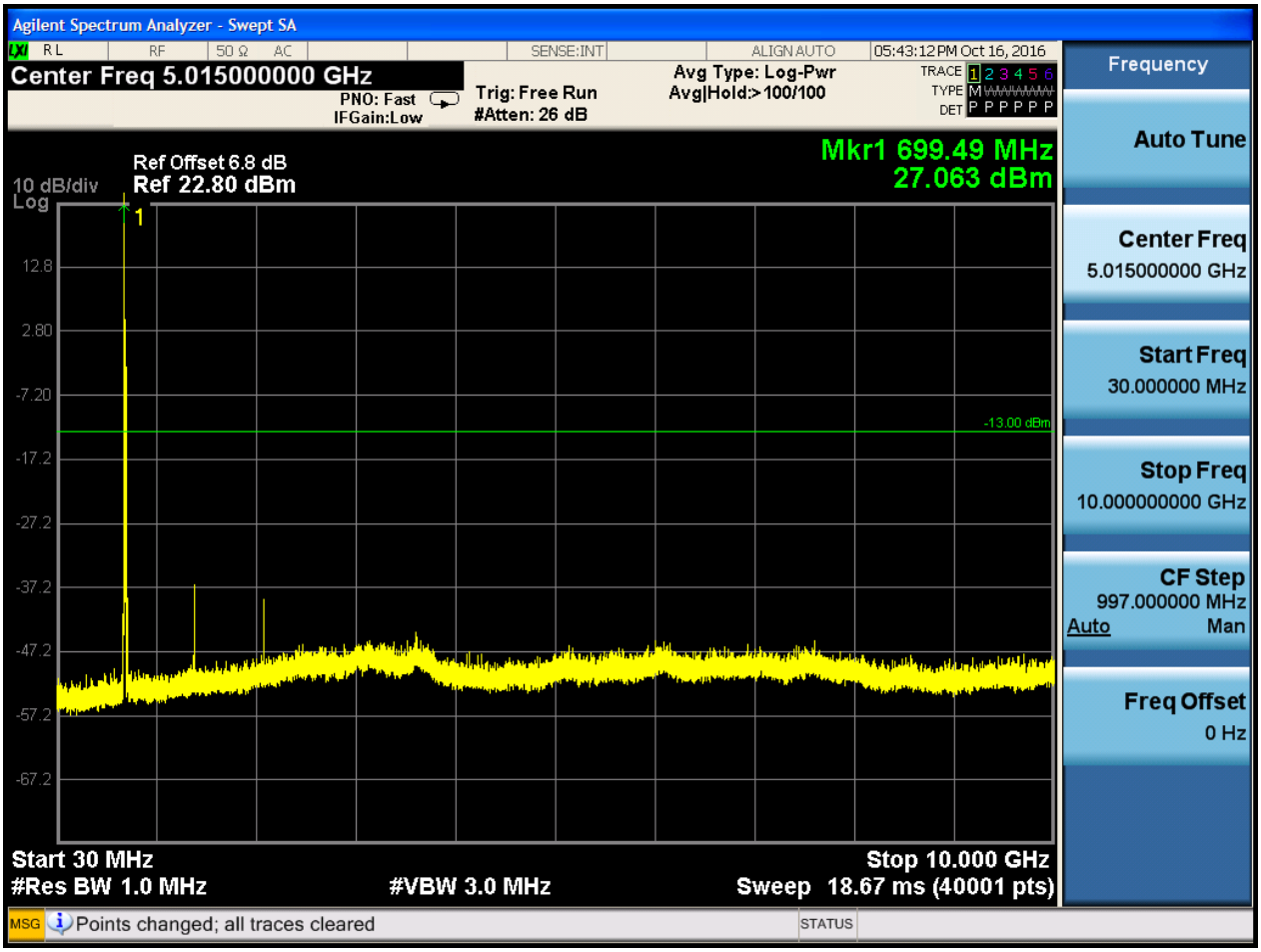

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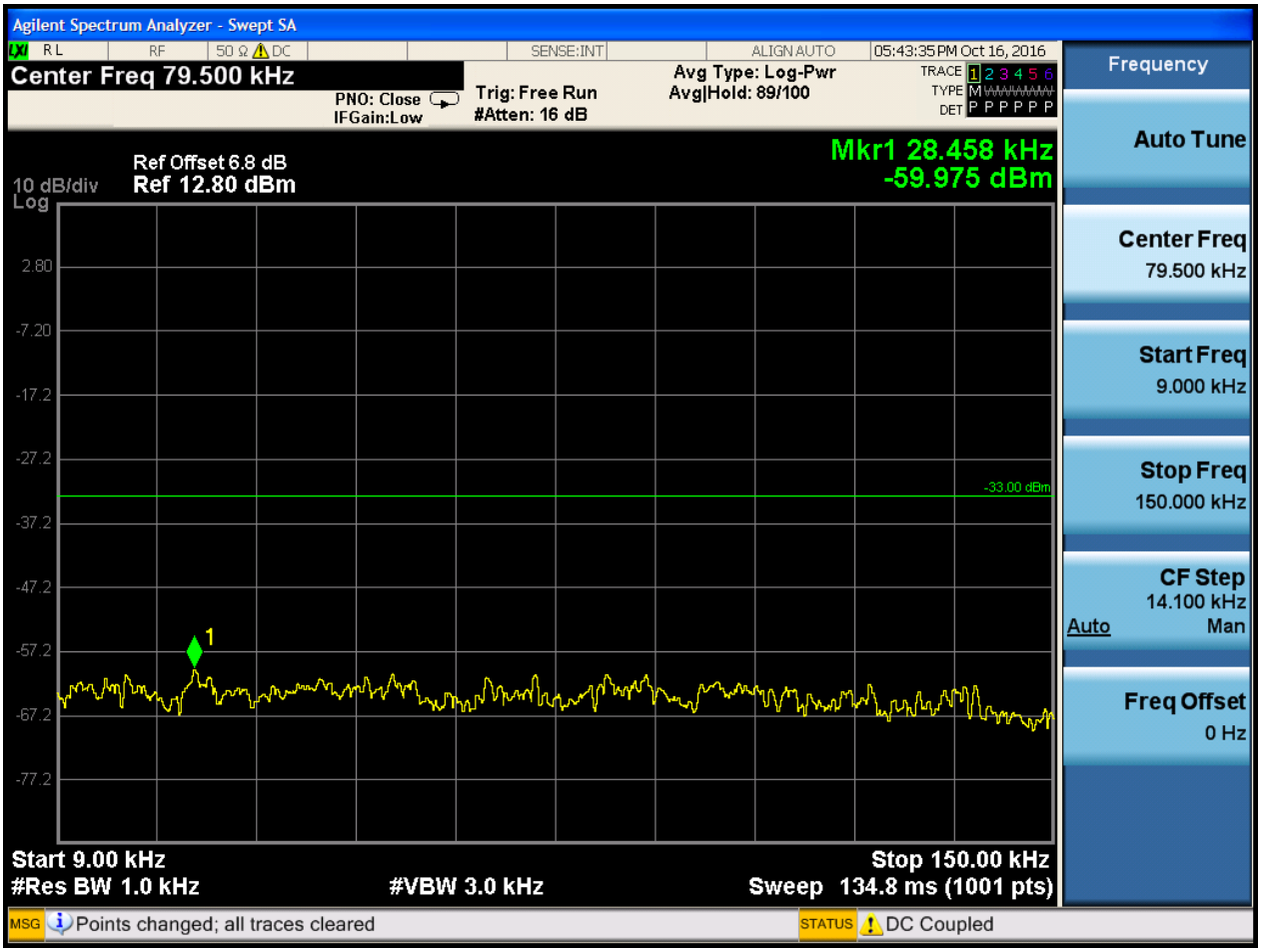
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



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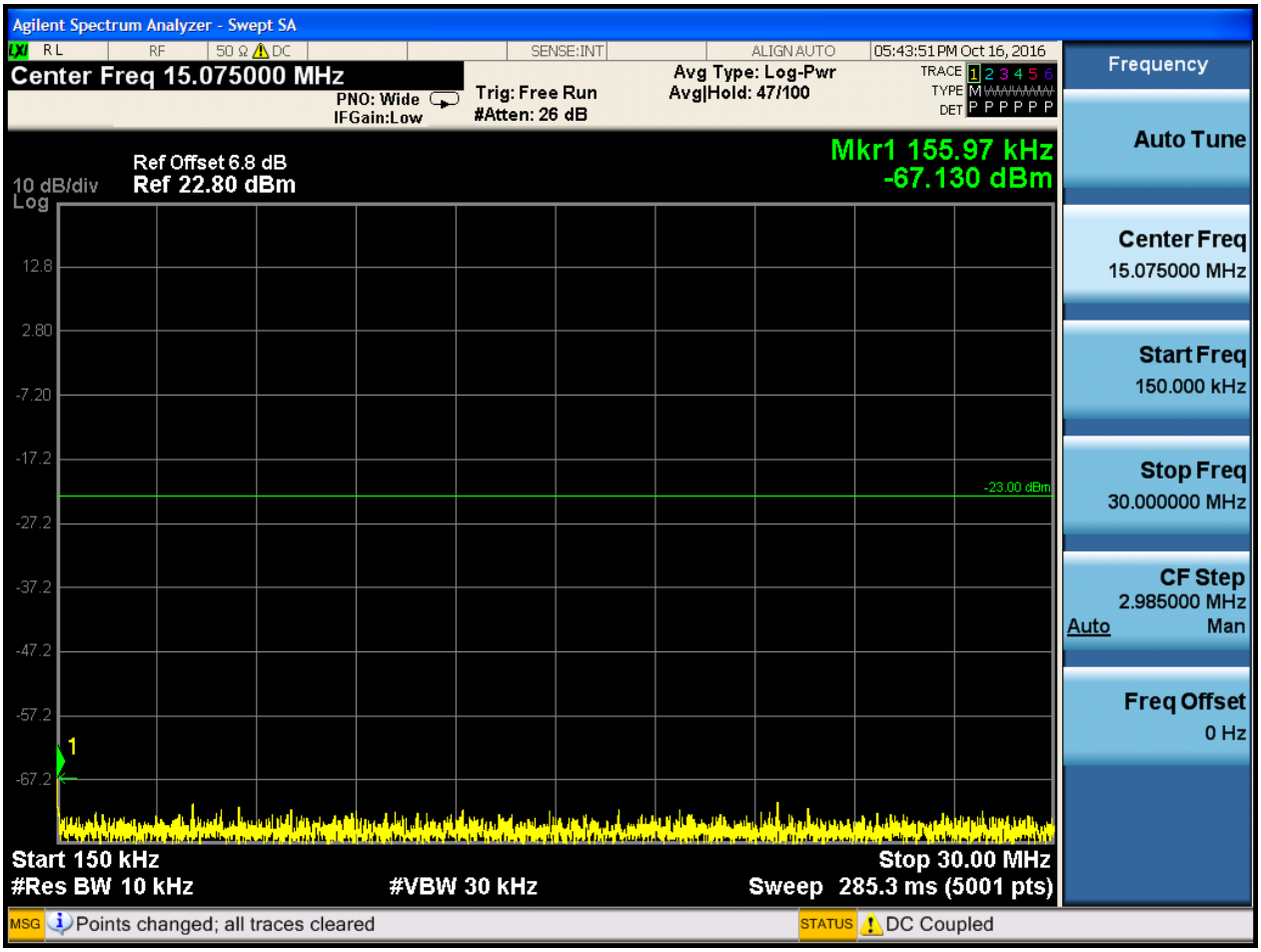

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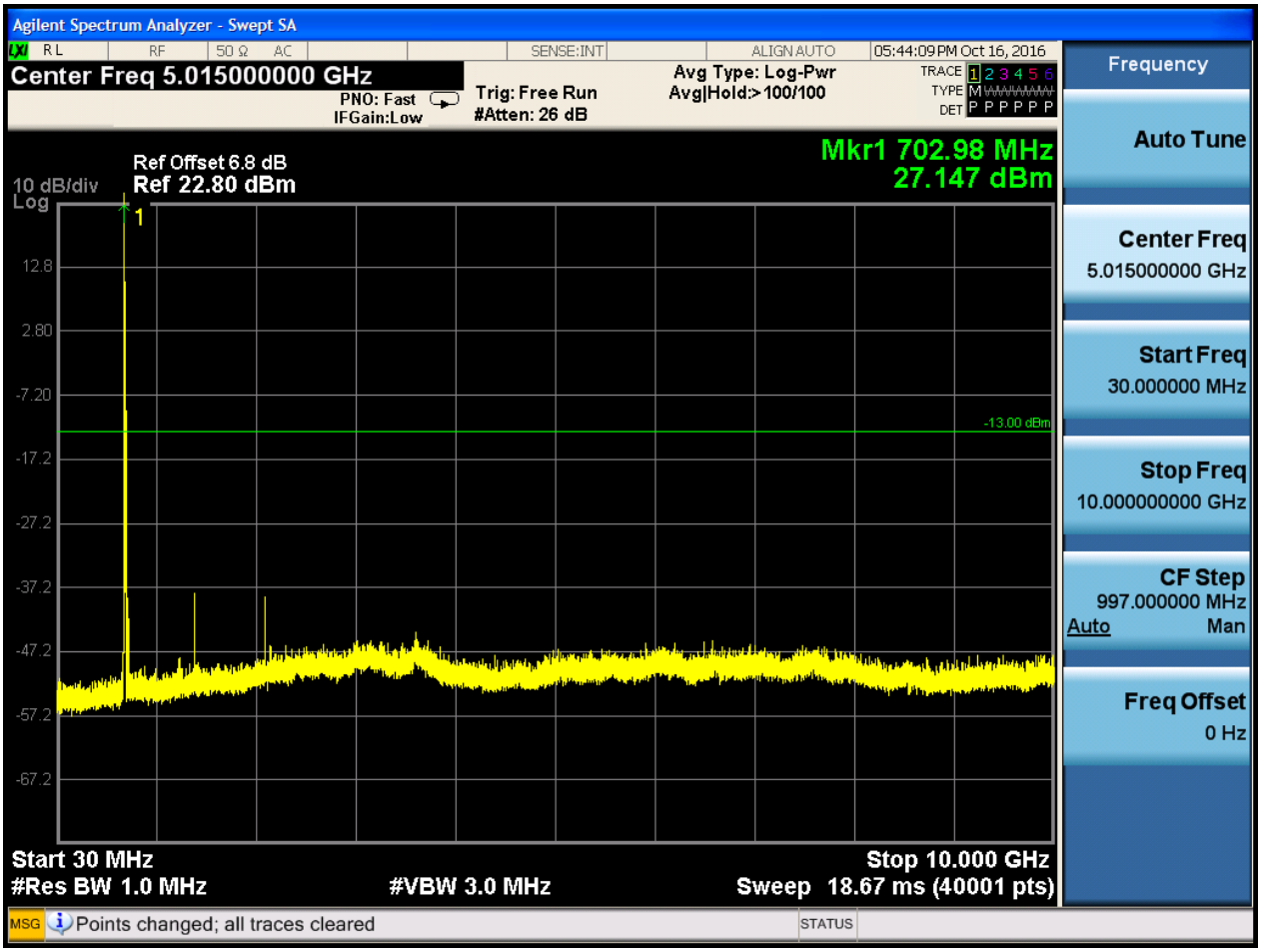

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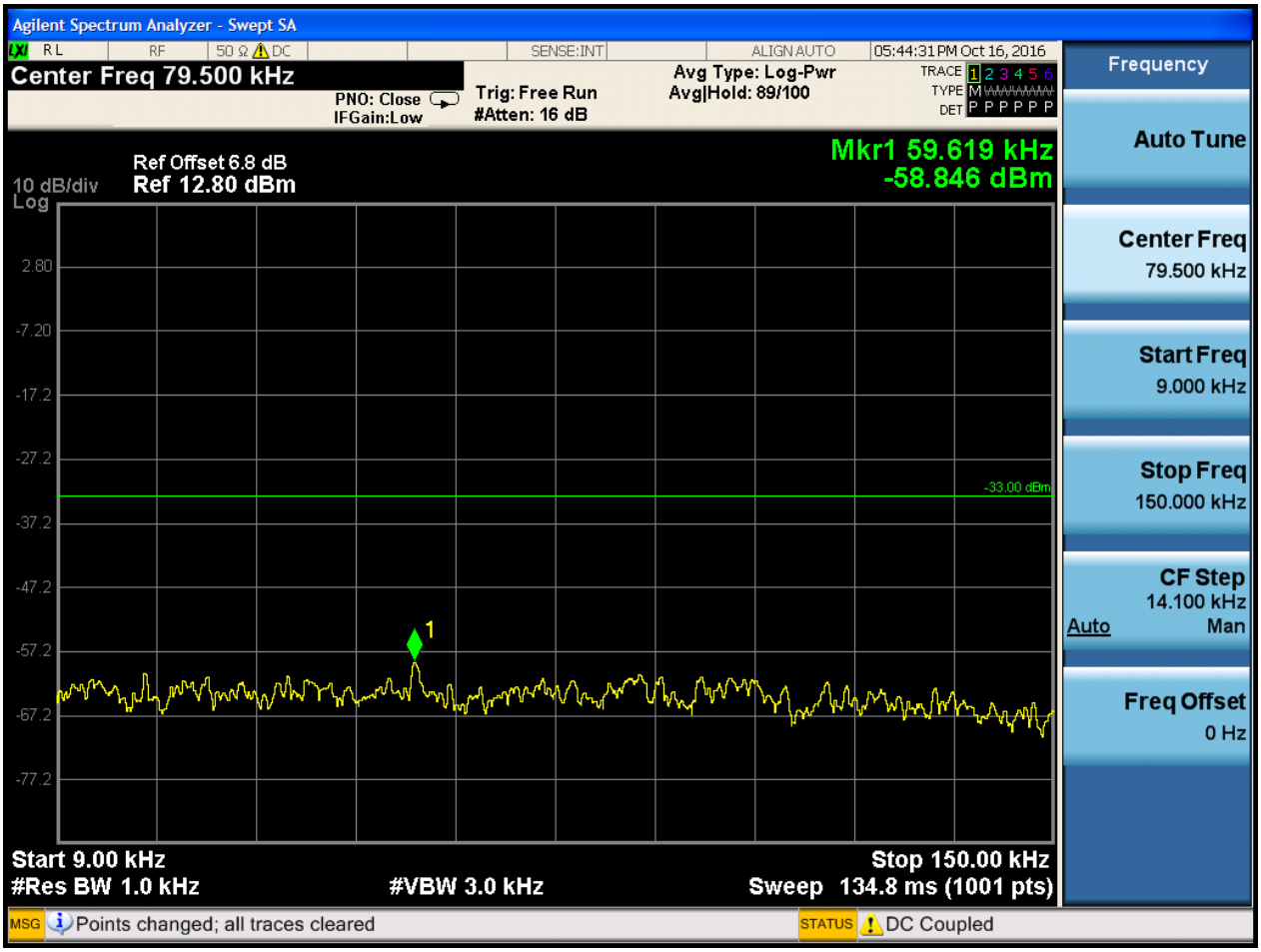
6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0



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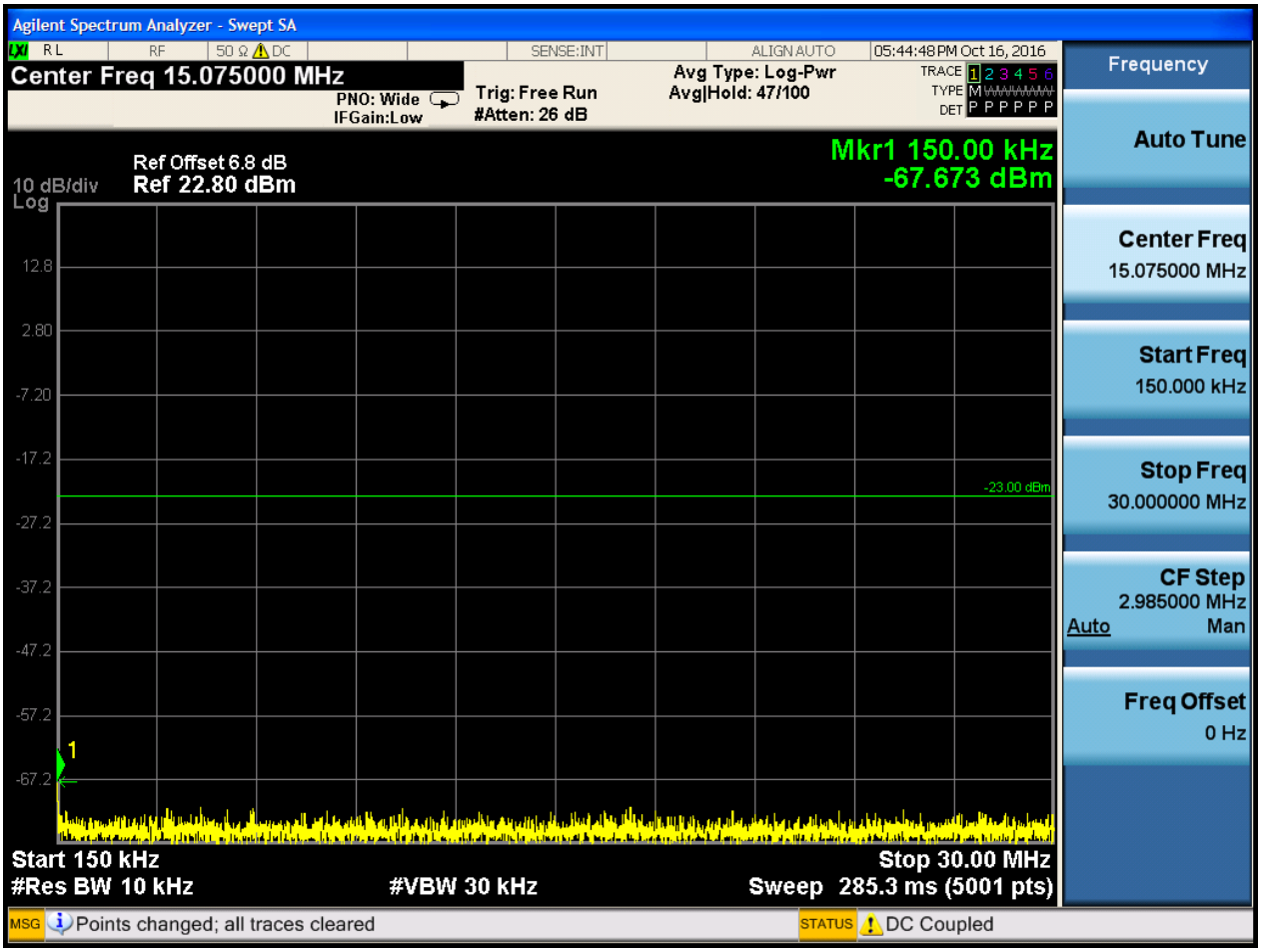

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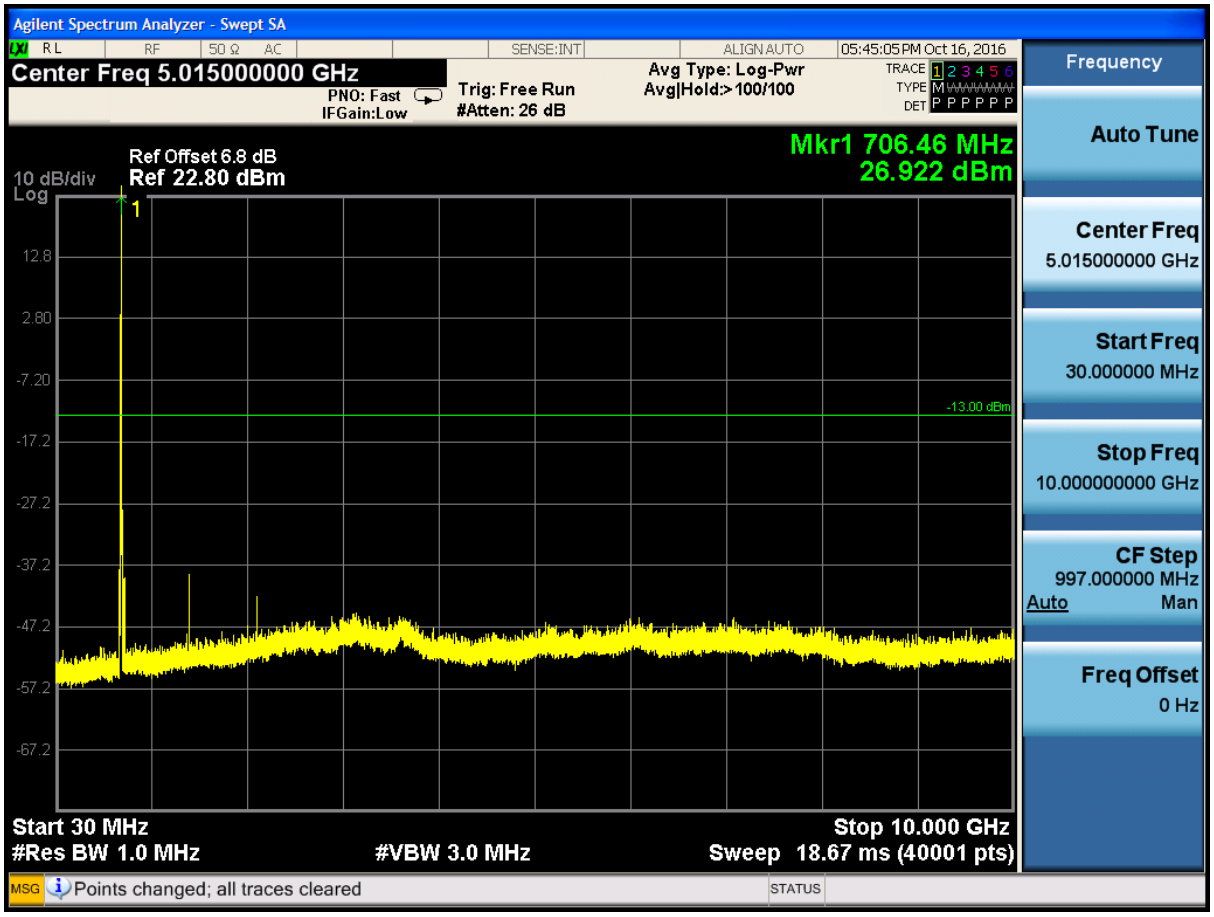

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7Appendix_G: Field Strength of Spurious Radiation

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

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

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

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

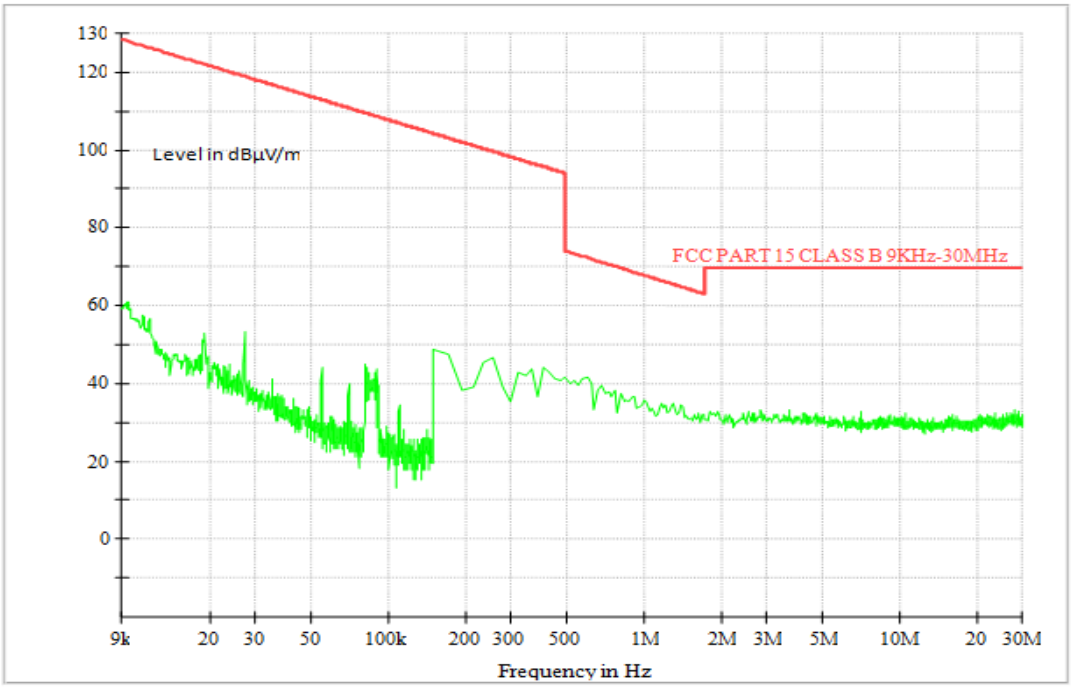
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

7.1 For LTE

7.1.1 Test Band = BAND12

7.1.1.1 Test Bandwidth = 1.4



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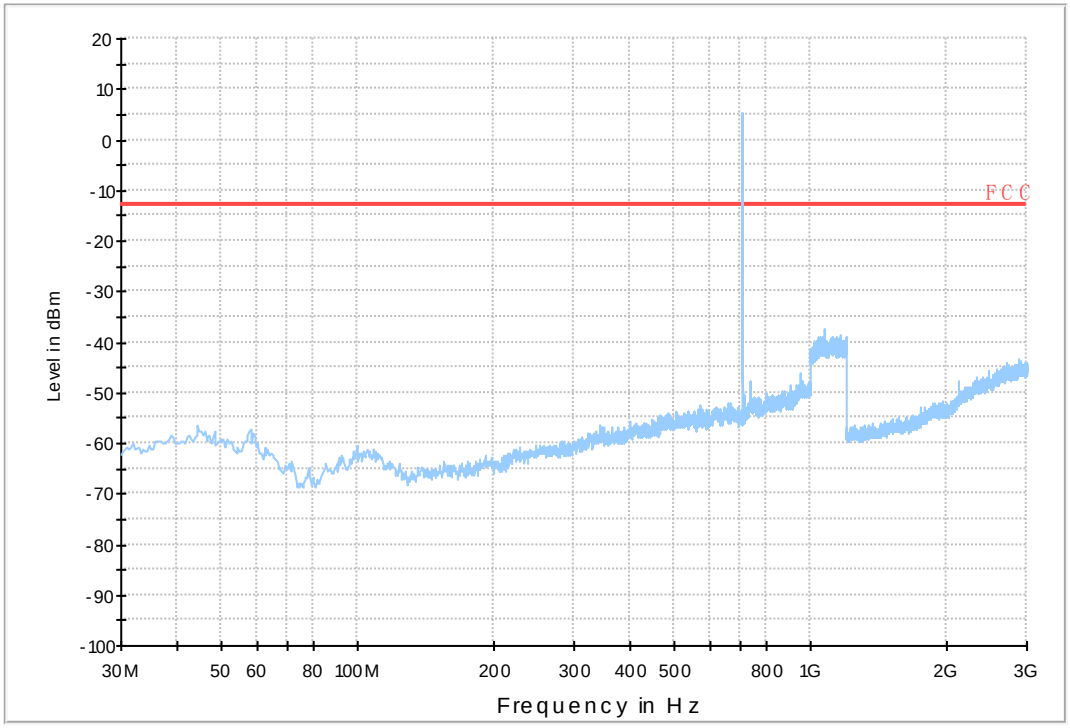
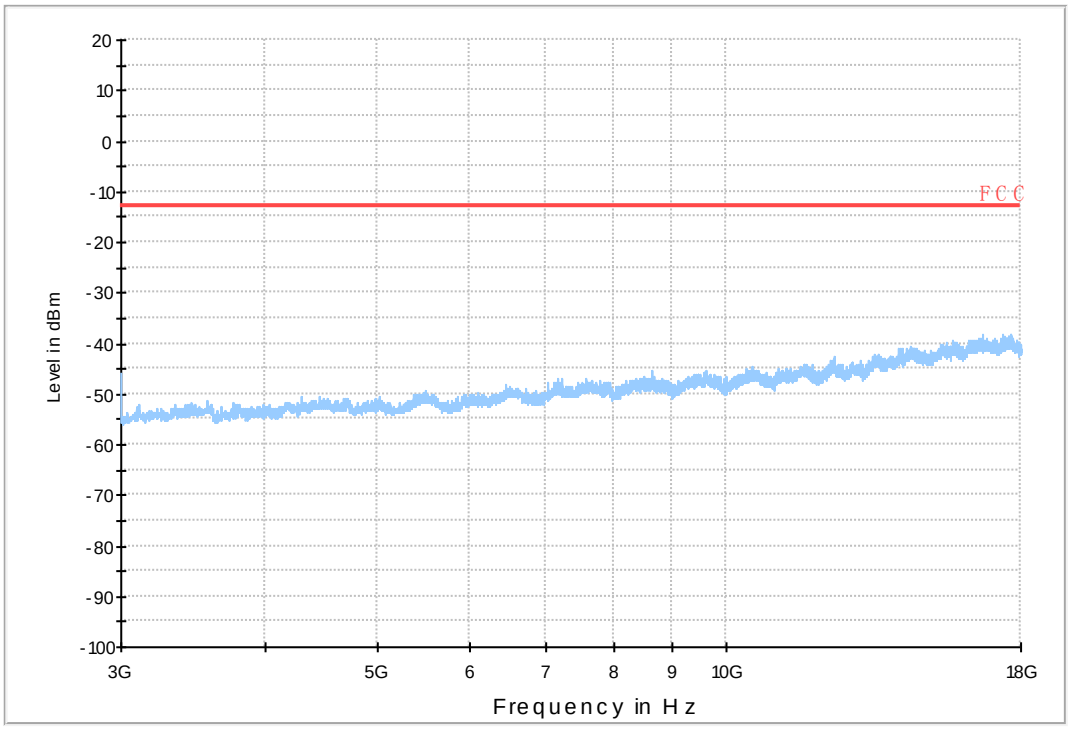
Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



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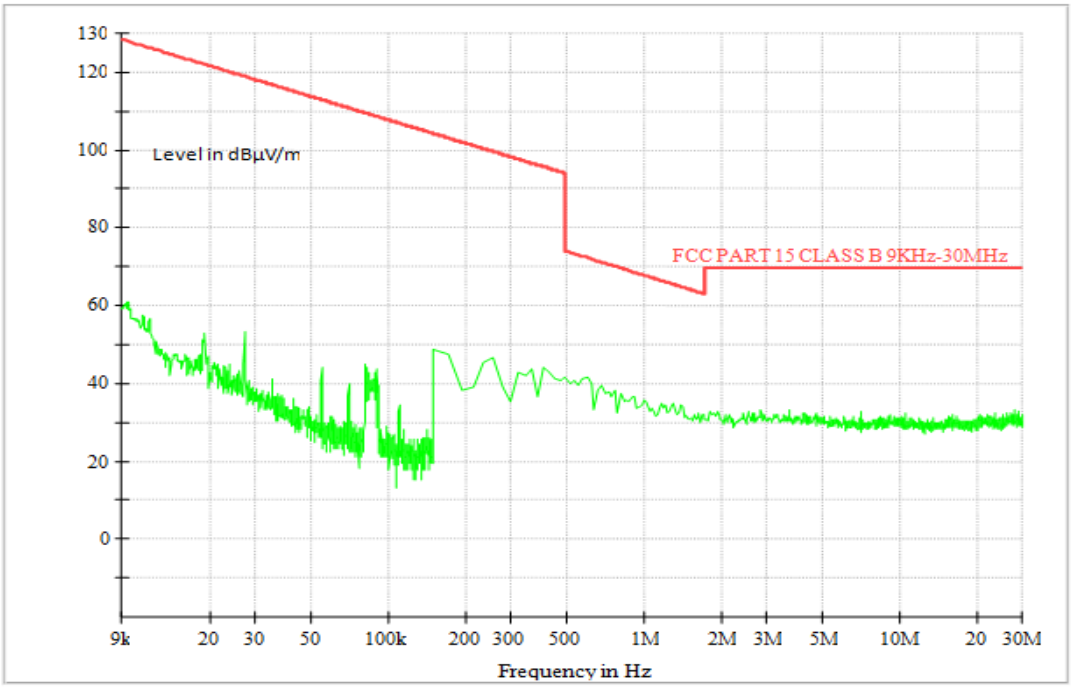
7.1.1.2 Test Bandwidth = 10



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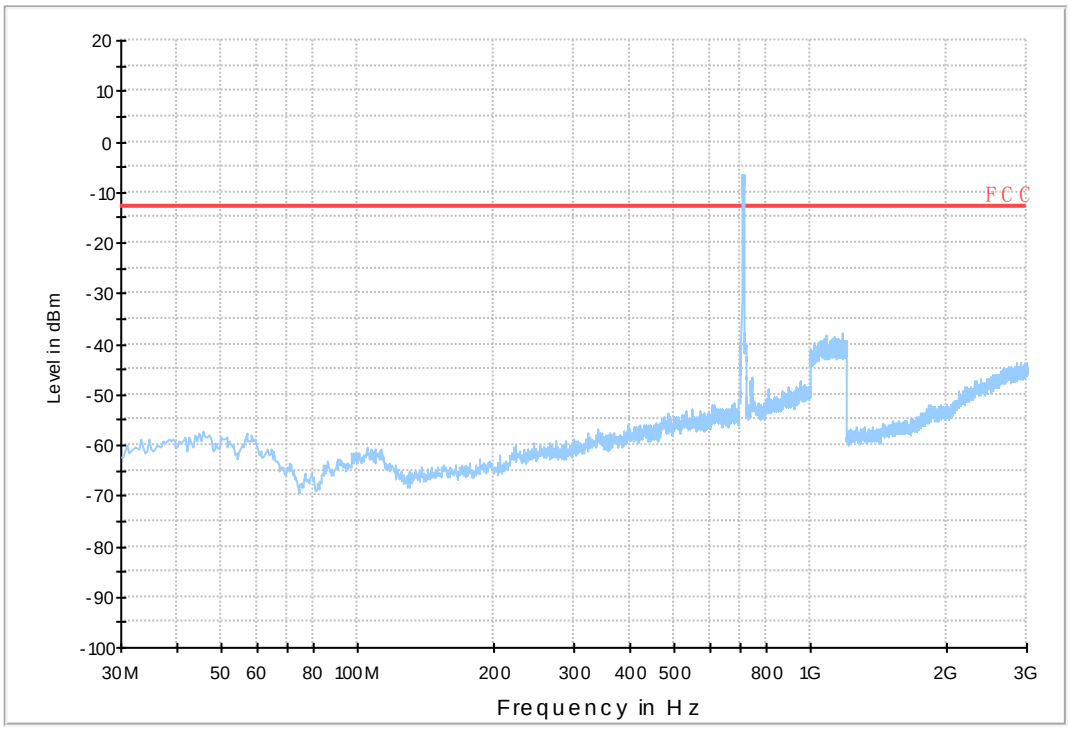

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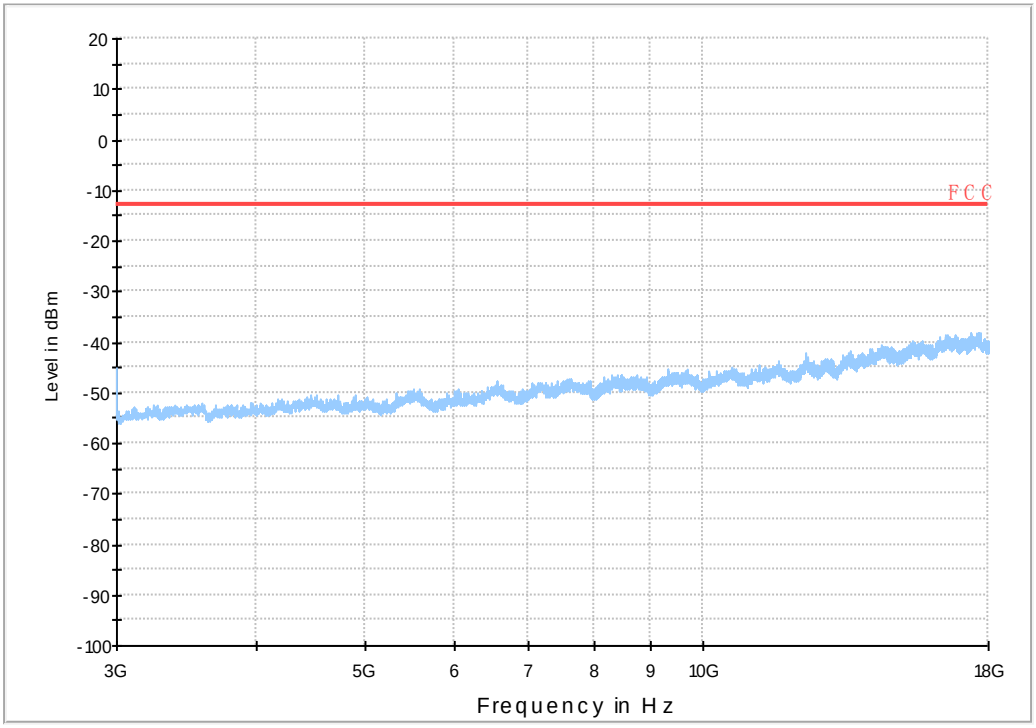
Copy of RSE-TX-DIRECTOR BELOW 1G_H



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8Appendix_H: Frequency Stability

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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
BAND12	LTE/TM1	1.4	LCH	TN	VL	3.43	0.0049	PASS
					VN	-4.19	-0.00599	PASS
					VH	7.24	0.01035	PASS
			MCH	TN	VL	18.42	0.02604	PASS
					VN	-4.25	-0.00601	PASS
					VH	27.68	0.03912	PASS
			HCH	TN	VL	-5.36	-0.00749	PASS
					VN	-0.46	-0.00064	PASS
					VH	4.61	0.00644	PASS
		3	LCH	TN	VL	3.71	0.0053	PASS
					VN	-5.55	-0.00792	PASS
					VH	-2.22	-0.00317	PASS
			MCH	TN	VL	2.82	0.00399	PASS
					VN	-2.68	-0.00379	PASS
					VH	5.05	0.00714	PASS
			HCH	TN	VL	-4.85	-0.00679	PASS
					VN	-0.76	-0.00106	PASS
					VH	1.34	0.00188	PASS
		5	LCH	TN	VL	0.1	0.00014	PASS
					VN	-5.14	-0.00733	PASS
					VH	-2.15	-0.00306	PASS
			MCH	TN	VL	1.4	0.00198	PASS
					VN	-1.4	-0.00198	PASS
					VH	3.49	0.00493	PASS
			HCH	TN	VL	-1.43	-0.002	PASS
					VN	1.1	0.00154	PASS
					VH	3.81	0.00534	PASS
		10	LCH	TN	VL	-0.3	-0.00043	PASS
					VN	-1.86	-0.00264	PASS
					VH	-1.99	-0.00283	PASS
			MCH	TN	VL	-1	-0.00141	PASS
					VN	0.6	0.00085	PASS
					VH	-0.17	-0.00024	PASS

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			HCH	TN	VL	0.69	0.00097	PASS
					VN	-2.42	-0.0034	PASS
					VH	-0.6	-0.00084	PASS
	LTE/TM2	1.4	LCH	TN	VL	-1.52	-0.00217	PASS
					VN	7.68	0.01098	PASS
					VH	11.83	0.01691	PASS
			MCH	TN	VL	0.89	0.00126	PASS
					VN	-0.14	-0.0002	PASS
					VH	-8.81	-0.01245	PASS
			HCH	TN	VL	-12.95	-0.0181	PASS
					VN	-15.71	-0.02196	PASS
					VH	-7.72	-0.01079	PASS
		3	LCH	TN	VL	0.64	0.00091	PASS
					VN	7.74	0.01105	PASS
					VH	6.84	0.00976	PASS
			MCH	TN	VL	-0.6	-0.00085	PASS
					VN	6.75	0.00954	PASS
					VH	1.82	0.00257	PASS
			HCH	TN	VL	1.65	0.00231	PASS
					VN	-3.55	-0.00497	PASS
					VH	3.1	0.00434	PASS
		5	LCH	TN	VL	2.75	0.00392	PASS
					VN	2.72	0.00388	PASS
					VH	4.15	0.00592	PASS
			MCH	TN	VL	1.5	0.00212	PASS
					VN	1.59	0.00225	PASS
					VH	4.78	0.00676	PASS
			HCH	TN	VL	5.34	0.00748	PASS
					VN	-0.94	-0.00132	PASS
					VH	-2.86	-0.00401	PASS
		10	LCH	TN	VL	-0.21	-0.0003	PASS
					VN	-2.35	-0.00334	PASS
					VH	-0.6	-0.00085	PASS
			MCH	TN	VL	-1.96	-0.00277	PASS
					VN	0.67	0.00095	PASS
					VH	0.04	0.00006	PASS
			HCH	TN	VL	-1.12	-0.00158	PASS
					VN	-1.12	-0.00158	PASS
					VH	-1.66	-0.00233	PASS

8.1.2Frequency Error vs. Temperature:

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND12	LTE/TM1	1.4	LCH	VN	-30	-4.16	-0.00652	PASS
					-20	2.55	0.00907	PASS
					-10	12.31	0.02302	PASS
					0	12.19	0.03101	PASS
					10	17.78	-0.02022	PASS
					20	-18.06	-0.01268	PASS
					30	-12.79	0.00291	PASS
					40	-1.88	0.00481	PASS
					50	-0.55	0.00019	PASS
			MCH	VN	-30	-3.78	0.00981	PASS
					-20	3	-0.00293	PASS
					-10	-6.01	-0.00106	PASS
					0	-4.69	-0.02242	PASS
					10	-19.8	-0.00113	PASS
					20	-4.74	0.01262	PASS
					30	4.99	0.01457	PASS
					40	6.58	-0.01186	PASS
					50	-12.12	0.004	PASS
			HCH	VN	-30	-0.9	0.00516	PASS
					-20	-0.06	0.0031	PASS
					-10	-3.43	0.00129	PASS
					0	3.96	0.01162	PASS
					10	-5.22	-0.00122	PASS
					20	-1.15	0.00447	PASS
					30	-4.95	-0.00084	PASS
					40	7.35	0.01636	PASS
					50	2.3	0.0093	PASS
		3	LCH	VN	-30	-4.35	-6E-05	PASS
					-20	-5.64	-0.0019	PASS
					-10	-7.28	-0.00424	PASS
					0	-4.94	-0.0009	PASS
					10	-2.56	0.00249	PASS
					20	-2.59	0.00245	PASS
					30	-2.89	0.00202	PASS
					40	8.62	0.01845	PASS
					50	0.11	0.00631	PASS
			MCH	VN	-30	-1.32	0.00241	PASS

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					-20	-2.22	0.00114	PASS
					-10	-3.24	-0.0003	PASS
					0	-5.1	-0.00873	PASS
					10	-0.73	-0.00255	PASS
					20	5.59	0.00638	PASS
					30	-2.05	-0.00442	PASS
					40	-1.32	-0.00349	PASS
					50	0.45	-0.00098	PASS
			HCH	VN	-30	-5.9	-0.00989	PASS
					-20	1.69	0.00073	PASS
					-10	-6.67	-0.01097	PASS
					0	-1.4	-0.00359	PASS
					10	-3.61	-0.00669	PASS
					20	-0.63	-0.00252	PASS
					30	0.73	-0.00061	PASS
					40	-4.24	-0.00757	PASS
					50	-3.85	-0.00702	PASS
		5	LCH	VN	-30	0.78	-0.0005	PASS
					-20	-2.58	-0.00349	PASS
					-10	-5.28	-0.00734	PASS
					0	-4.98	-0.00691	PASS
					10	-1.58	-0.00206	PASS
					20	-4.11	-0.00567	PASS
					30	-0.06	0.002	PASS
					40	-4.72	-0.00464	PASS
					50	-5.14	-0.00524	PASS
			MCH	VN	-30	-2.05	-0.00274	PASS
					-20	-1.61	-0.00212	PASS
					-10	-1.96	-0.00261	PASS
					0	-6.26	-0.00869	PASS
					10	-4.41	-0.00607	PASS
					20	-3.18	-0.00433	PASS
					30	-3.02	-0.00411	PASS
					40	-2.54	-0.00343	PASS
					50	-2.01	0.00562	PASS
			HCH	VN	-30	-2.32	0.00518	PASS
					-20	-0.4	0.00741	PASS
					-10	-1.25	0.00622	PASS
					0	-2.74	0.00413	PASS
					10	-3.82	0.00262	PASS
					20	-2.58	0.00435	PASS

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					30	-2.92	0.00388	PASS
					40	-1.73	0.00555	PASS
					50	-2.85	0.00398	PASS
		10	LCH	VN	-30	-7.6	-0.00279	PASS
					-20	-4.54	0.00156	PASS
					-10	-8.64	-0.00427	PASS
					0	-10.05	-0.00627	PASS
					10	-6.15	-0.00073	PASS
					20	-2.16	0.00494	PASS
					30	-7.11	-0.00209	PASS
					40	-3.26	0.00338	PASS
					50	-5.37	0.00038	PASS
			MCH	VN	-30	-1.51	0.00586	PASS
					-20	-1.58	0.00576	PASS
					-10	-0.55	0.00722	PASS
					0	-0.23	0.00767	PASS
					10	-0.9	0.00672	PASS
					20	-2.28	0.00477	PASS
					30	-3.97	0.00238	PASS
					40	-0.59	0.00716	PASS
					50	-0.66	0.00706	PASS
			HCH	VN	-30	-0.12	0.00781	PASS
					-20	-4.17	0.00212	PASS
					-10	1.06	0.00947	PASS
					0	-2.15	0.00496	PASS
					10	0.91	0.00926	PASS
					20	-2.03	0.00513	PASS
					30	-2.12	0.005	PASS
					40	-0.15	0.00777	PASS
					50	-0.48	0.00731	PASS
	LTE/TM2	1.4	LCH	VN	-30	0.14	0.00812	PASS
					-20	-10.06	-0.00645	PASS
					-10	-45.15	-0.0566	PASS
					0	-4.42	0.00161	PASS
					10	2.88	0.01204	PASS
					20	20.82	0.03768	PASS
					30	-4.95	0.00085	PASS
					40	7.21	0.01823	PASS
					50	5.5	0.01578	PASS
			MCH	VN	-30	-3.24	0.00332	PASS
					-20	12.8	0.02599	PASS

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					-10	0.64	0.0088	PASS
					0	-3.01	0.00364	PASS
					10	7.48	0.01847	PASS
					20	-6.01	-0.0006	PASS
					30	12.97	0.02623	PASS
					40	-16.14	-0.01492	PASS
					50	2.53	0.01147	PASS
			HCH	VN	-30	5.35	0.01535	PASS
					-20	6.55	0.01702	PASS
					-10	2.73	0.01168	PASS
					0	1.73	0.01028	PASS
					10	6.2	0.01653	PASS
					20	-0.32	0.02062	PASS
					30	-2.72	0.00416	PASS
					40	4.56	0.01434	PASS
					50	-5.8	-0.00014	PASS
		3	LCH	VN	-30	-11.72	-0.00818	PASS
					-20	-4.04	0.00278	PASS
					-10	-5.68	0.00044	PASS
					0	-11.45	-0.0078	PASS
					10	-2.58	0.00487	PASS
					20	-6.3	-0.00044	PASS
					30	-6.7	-0.00102	PASS
					40	-2.65	0.00477	PASS
					50	2.17	0.01165	PASS
			MCH	VN	-30	-1.32	0.00665	PASS
					-20	-4.59	0.00203	PASS
					-10	-2.63	0.0048	PASS
					0	-6.34	-0.00044	PASS
					10	-1.27	0.00672	PASS
					20	-6.18	-0.00022	PASS
					30	0.76	0.00959	PASS
					40	-1.32	0.00665	PASS
					50	1.13	0.01011	PASS
			HCH	VN	-30	-3.42	0.0037	PASS
					-20	1.49	0.01057	PASS
					-10	-1.1	0.00695	PASS
					0	-0.5	0.00779	PASS
					10	-0.37	0.00797	PASS
					20	-0.67	0.00625	PASS
					30	-6.61	-0.00207	PASS

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					40	-2.46	-0.00161	PASS
					50	-7.54	-0.00872	PASS
		5	LCH	VN	-30	-0.02	0.00184	PASS
					-20	10.57	0.01694	PASS
					-10	3.16	0.00637	PASS
					0	8.18	0.01353	PASS
					10	3.65	0.00707	PASS
					20	4.39	0.00813	PASS
					30	3.02	0.00617	PASS
					40	5.42	0.0096	PASS
					50	5.75	0.01007	PASS
			MCH	VN	-30	0.53	0.0026	PASS
					-20	-1.1	0.0003	PASS
					-10	-1.42	-0.00015	PASS
					0	0.23	0.00218	PASS
					10	-1.49	-0.00025	PASS
					20	-0.13	0.00167	PASS
					30	-4.66	-0.00473	PASS
					40	0.06	0.00194	PASS
					50	-2.58	-0.00179	PASS
			HCH	VN	-30	-1.27	0.00006	PASS
					-20	-0.19	0.00235	PASS
					-10	-4.62	-0.00385	PASS
					0	-1.81	0.00008	PASS
					10	-2.58	-0.001	PASS
					20	-0.85	0.00143	PASS
					30	-5.38	-0.00492	PASS
					40	-1.96	-0.00013	PASS
					50	-2.26	-0.00055	PASS
		10	LCH	VN	-30	-7.76	-0.00837	PASS
					-20	-2.38	-0.00072	PASS
					-10	-1.89	-0.00003	PASS
					0	-2.42	-0.00041	PASS
					10	-1.81	0.00046	PASS
					20	-2.18	-0.00007	PASS
					30	-2.99	-0.00122	PASS
					40	-3.87	-0.00247	PASS
					50	-2.86	-0.00104	PASS
			MCH	VN	-30	-2.21	-0.00011	PASS
					-20	-3.34	-0.00171	PASS
					-10	0.07	0.00311	PASS

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					0	-1.49	0.00091	PASS
					10	-1.29	0.00119	PASS
					20	-2.61	-0.00068	PASS
					30	-2.31	-0.00025	PASS
					40	-2.01	0.00017	PASS
					50	-1.35	0.00111	PASS
			HCH	VN	-30	-0.16	0.00278	PASS
					-20	0.2	0.00328	PASS
					-10	-1.91	0.00031	PASS
					0	-1.36	0.00109	PASS
					10	-1.62	0.00072	PASS
					20	-2.21	-0.00011	PASS
					30	-4.91	-0.00391	PASS
					40	-1.39	0.00105	PASS
					50	-1.36	0.00109	PASS

END

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