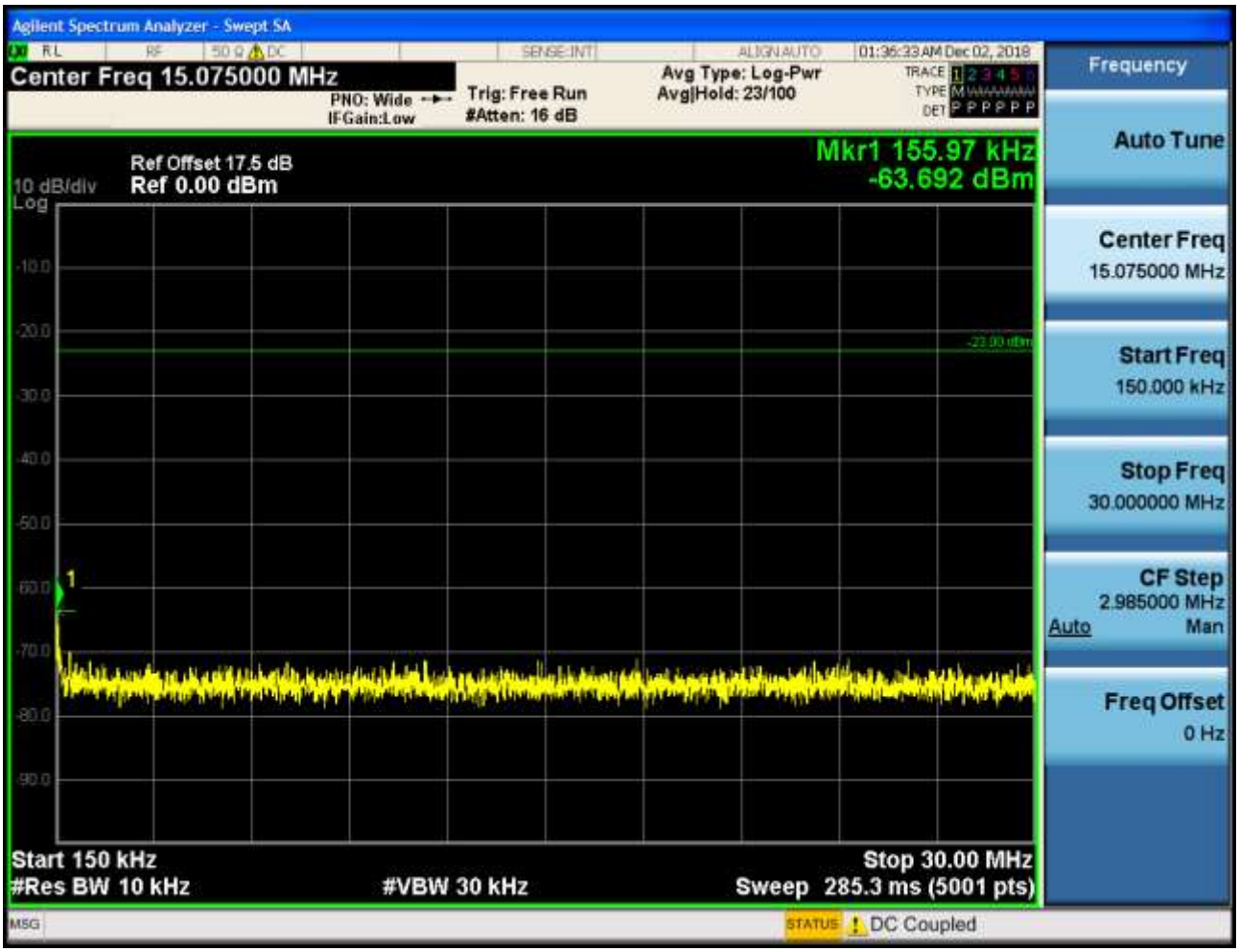

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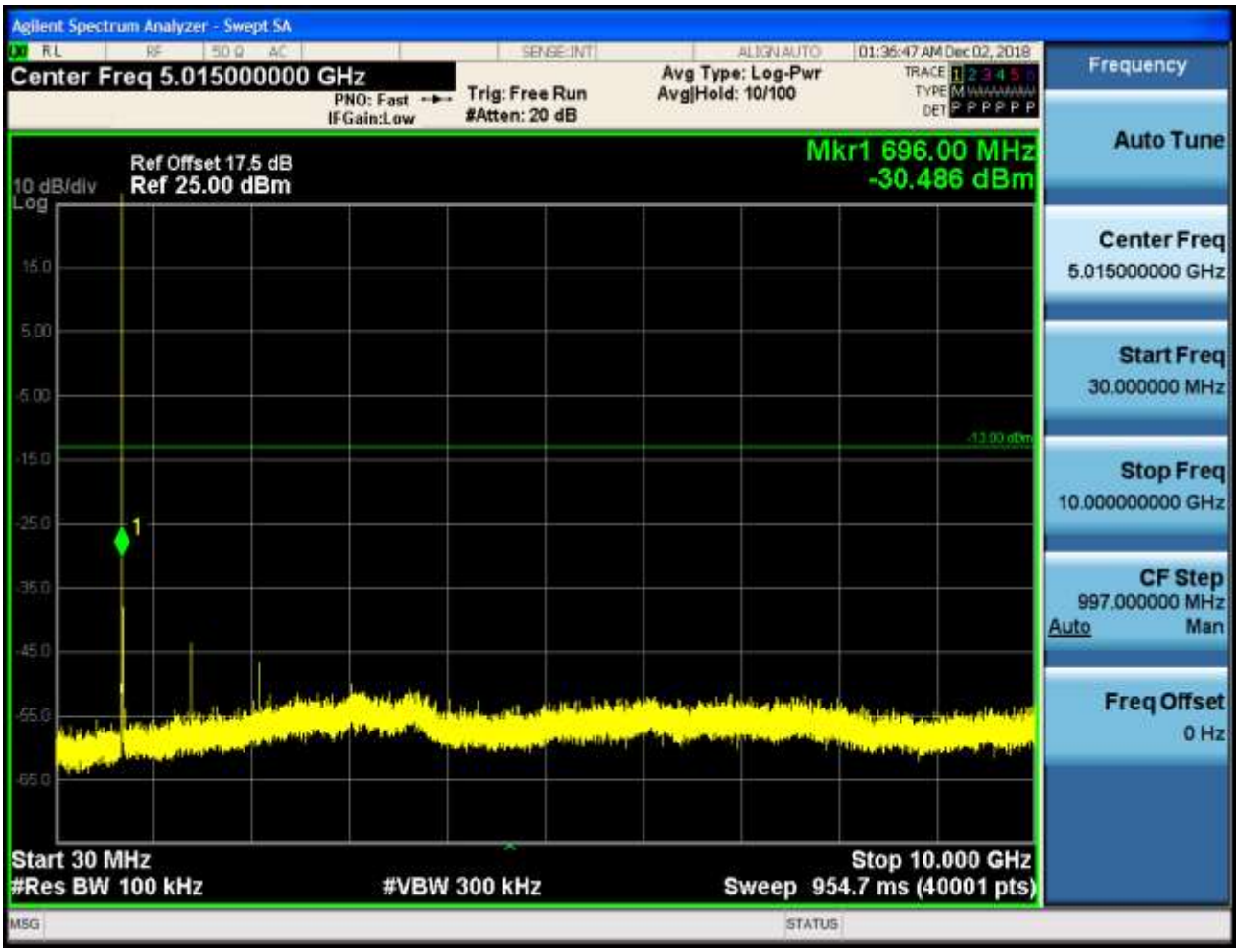

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6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0

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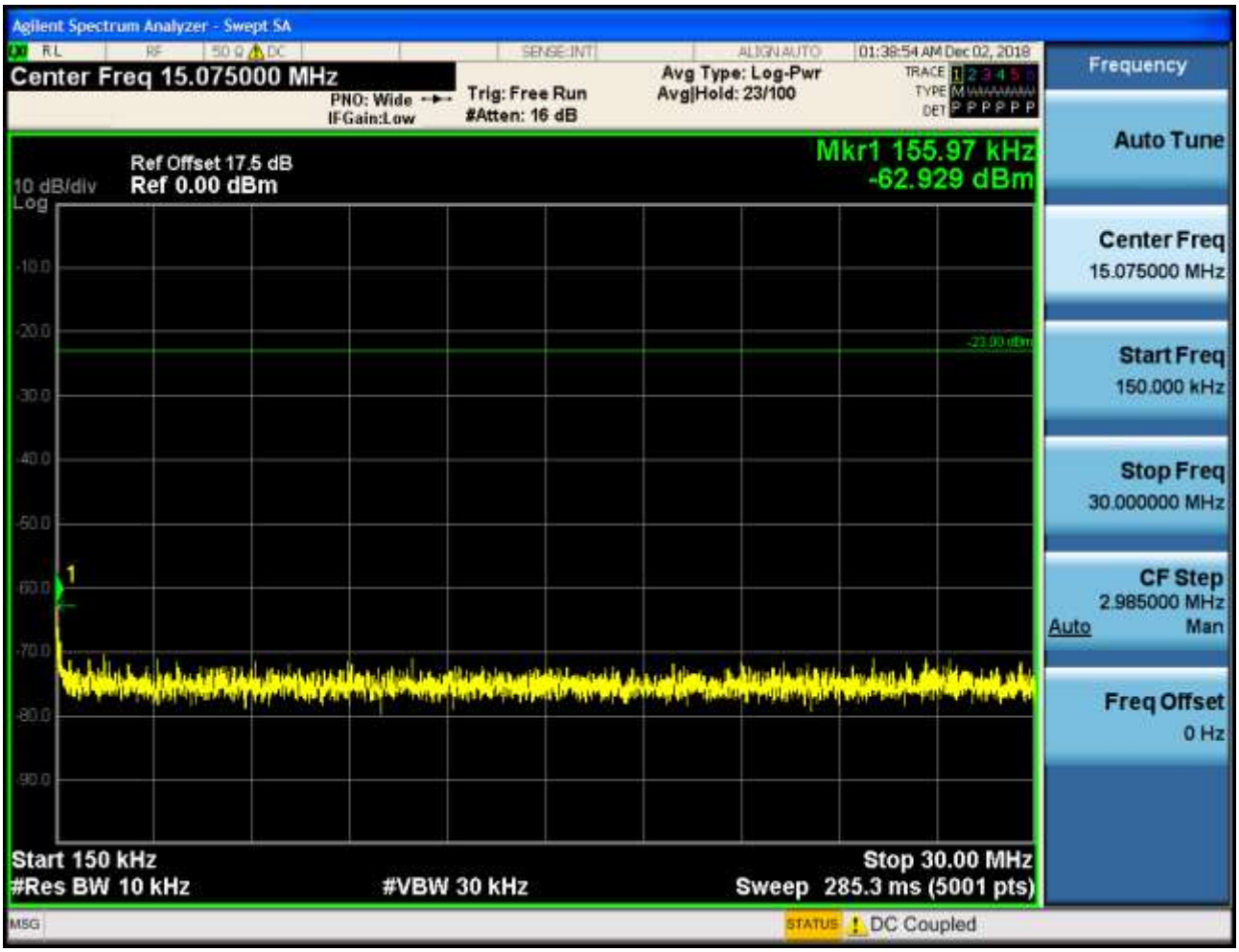

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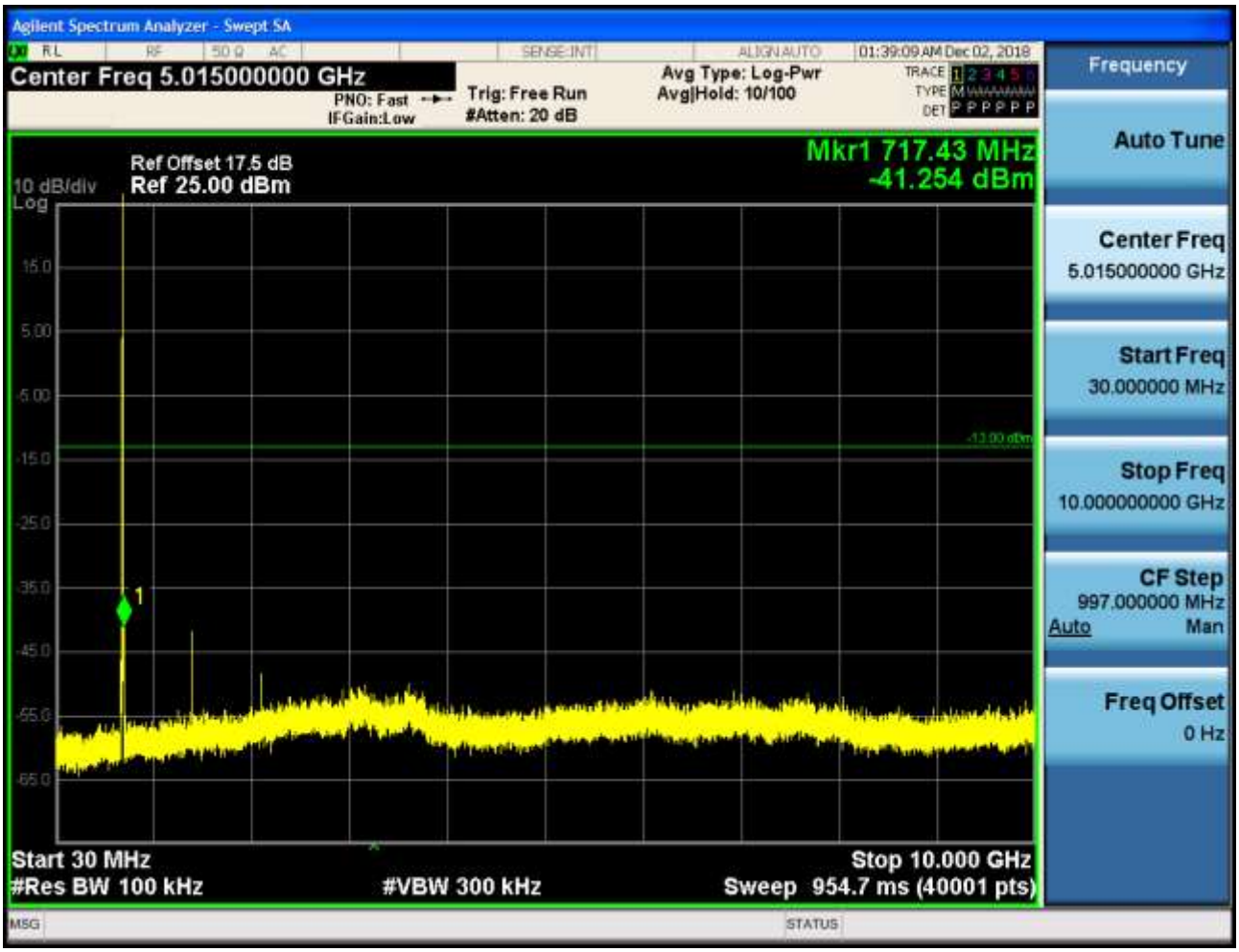

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6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0

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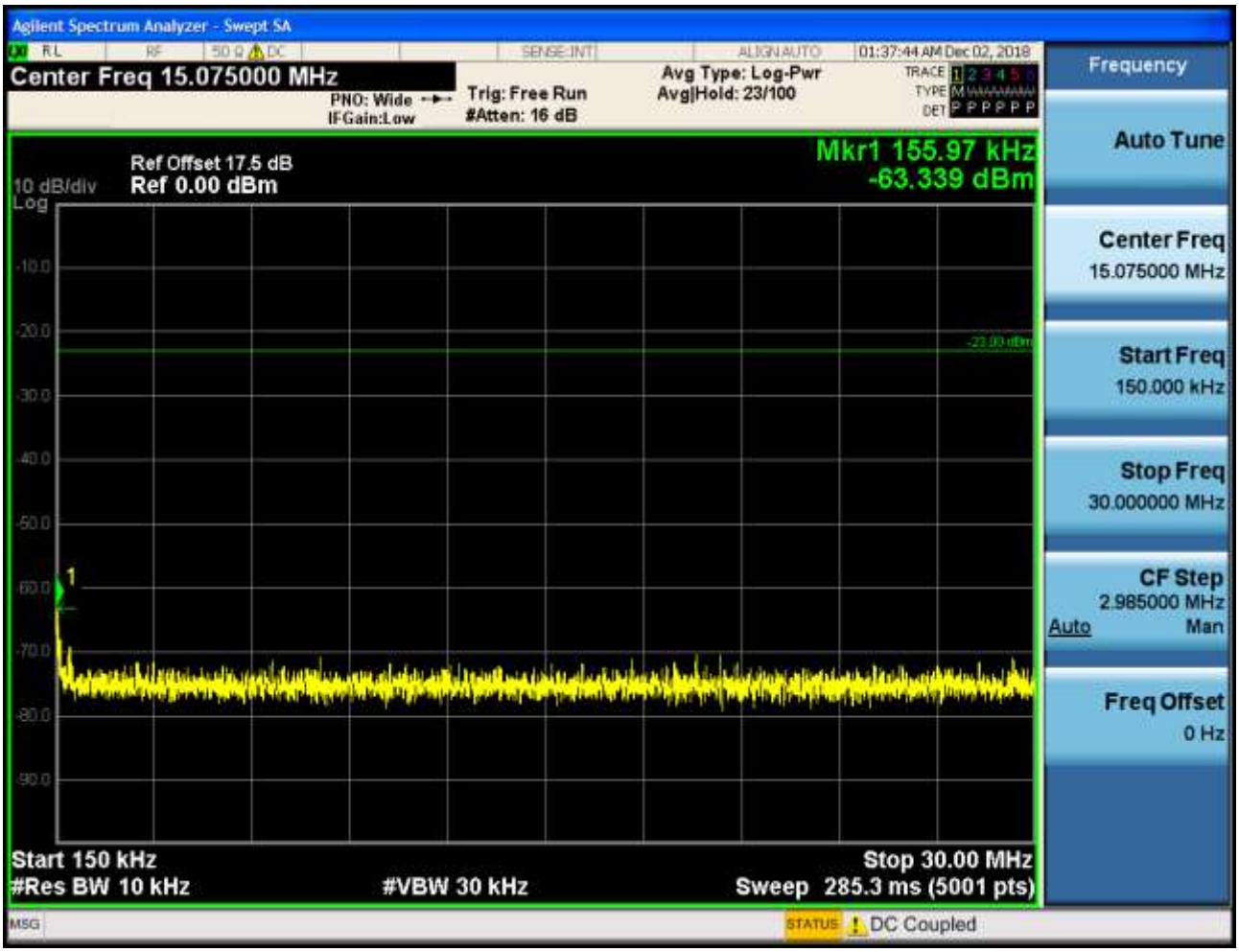

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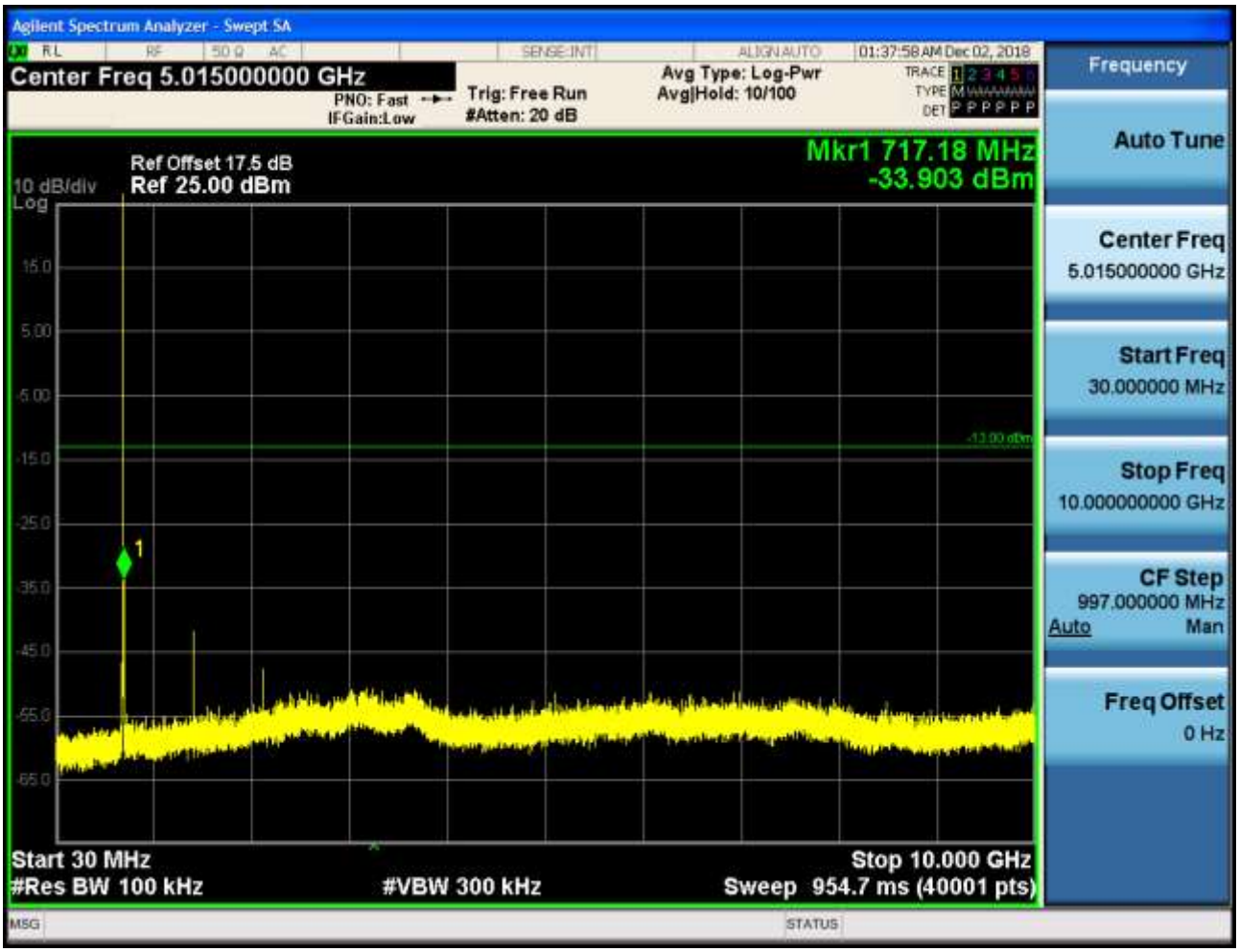

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6.2.1.1.4 Test Bandwidth = 10

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0

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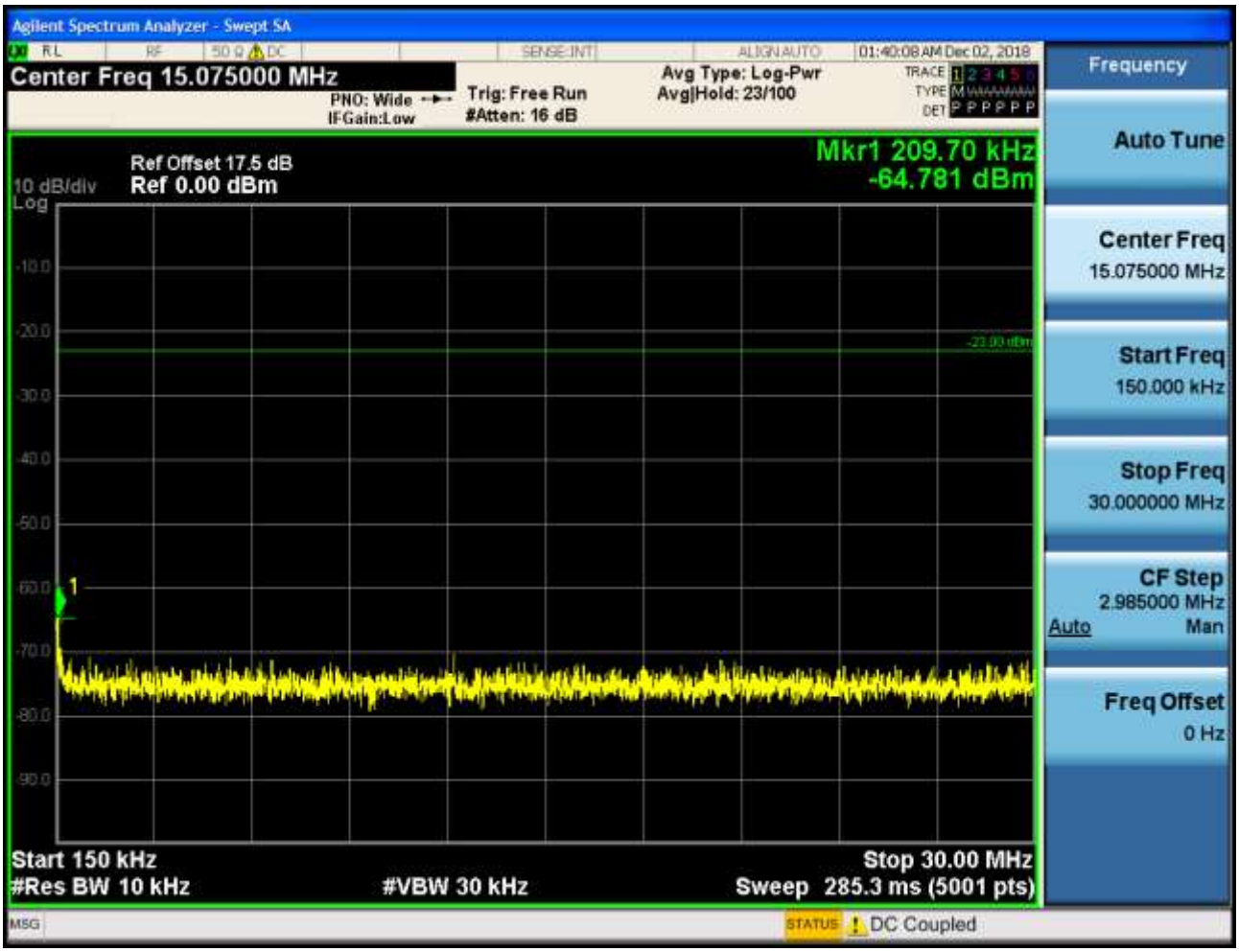

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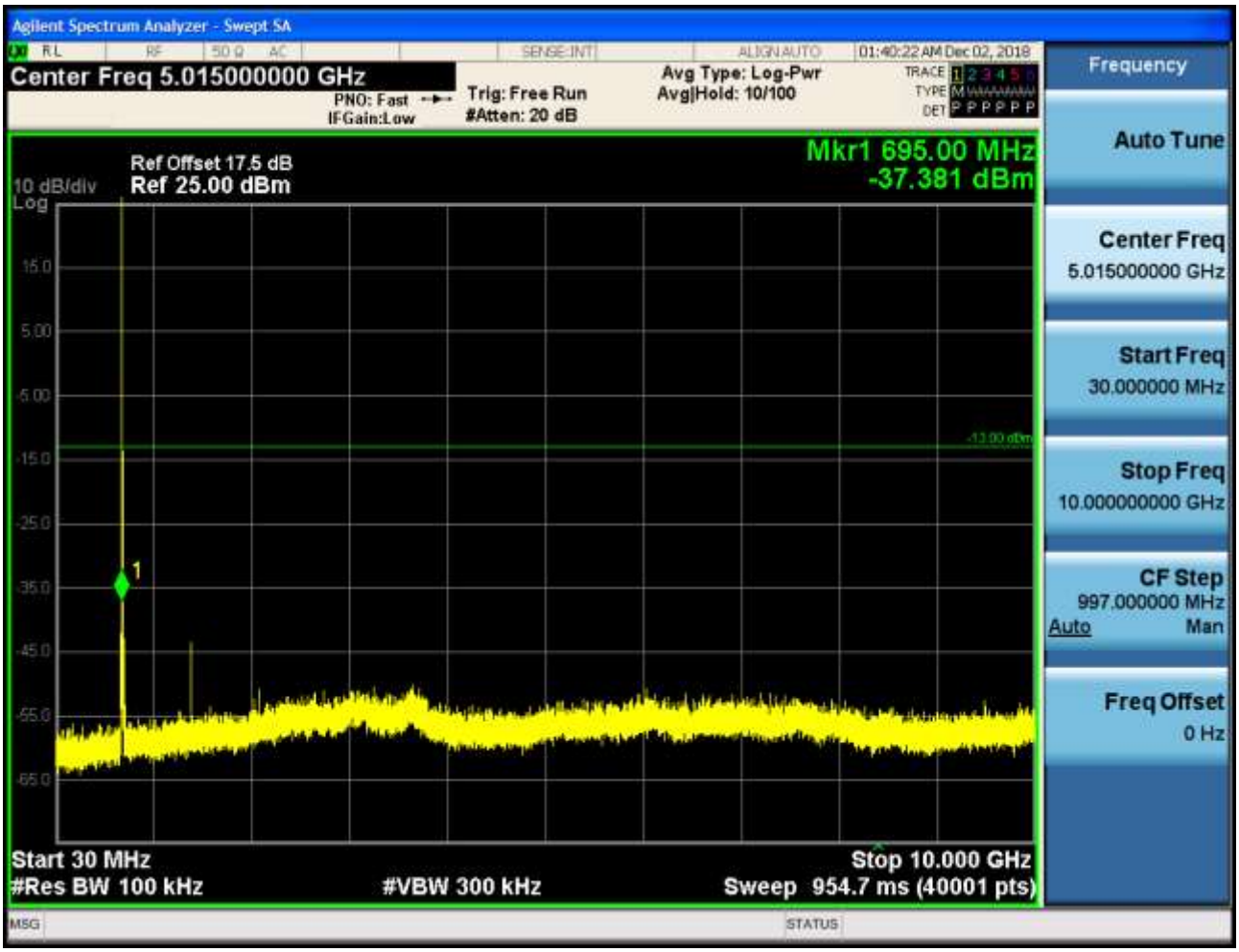

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6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0

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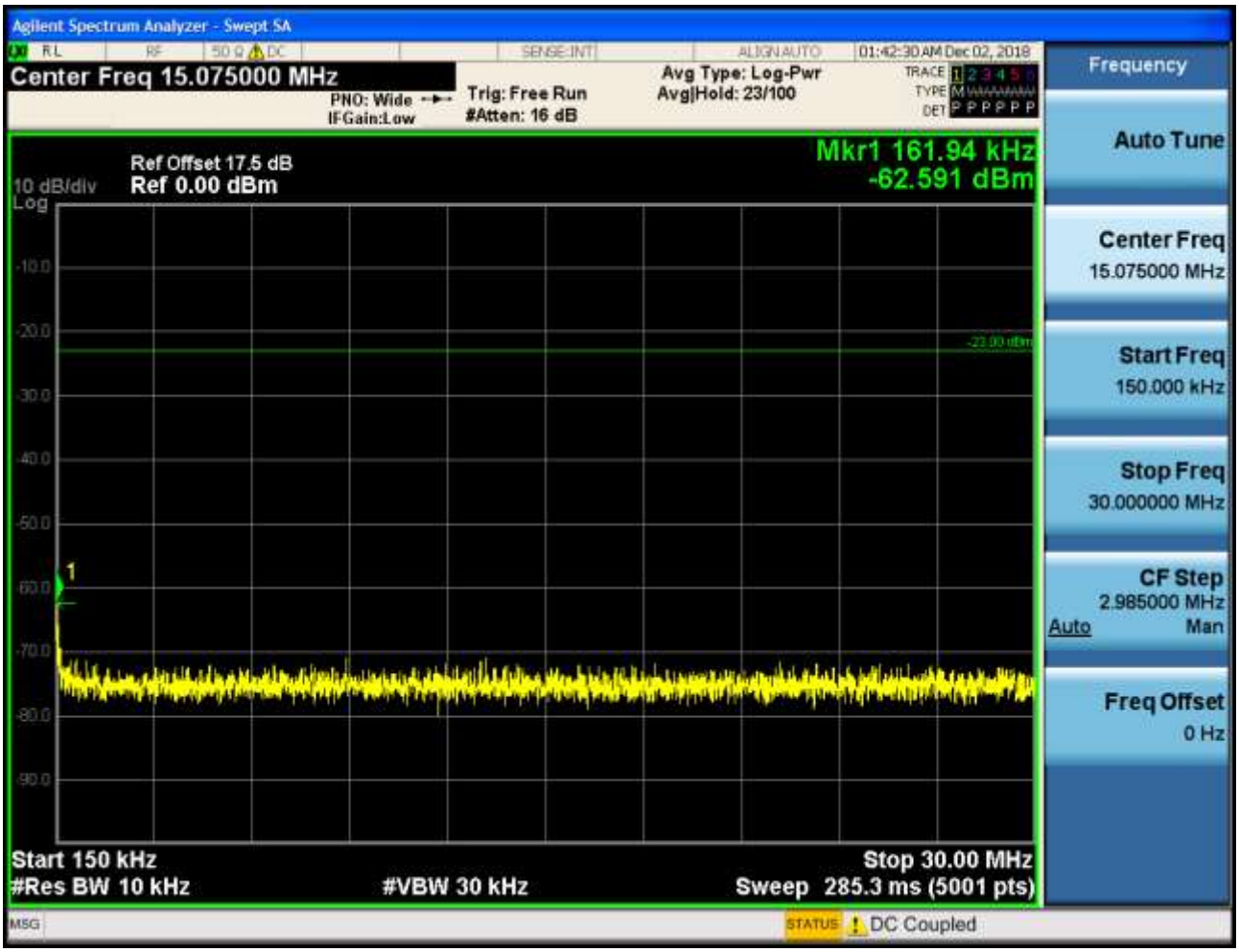

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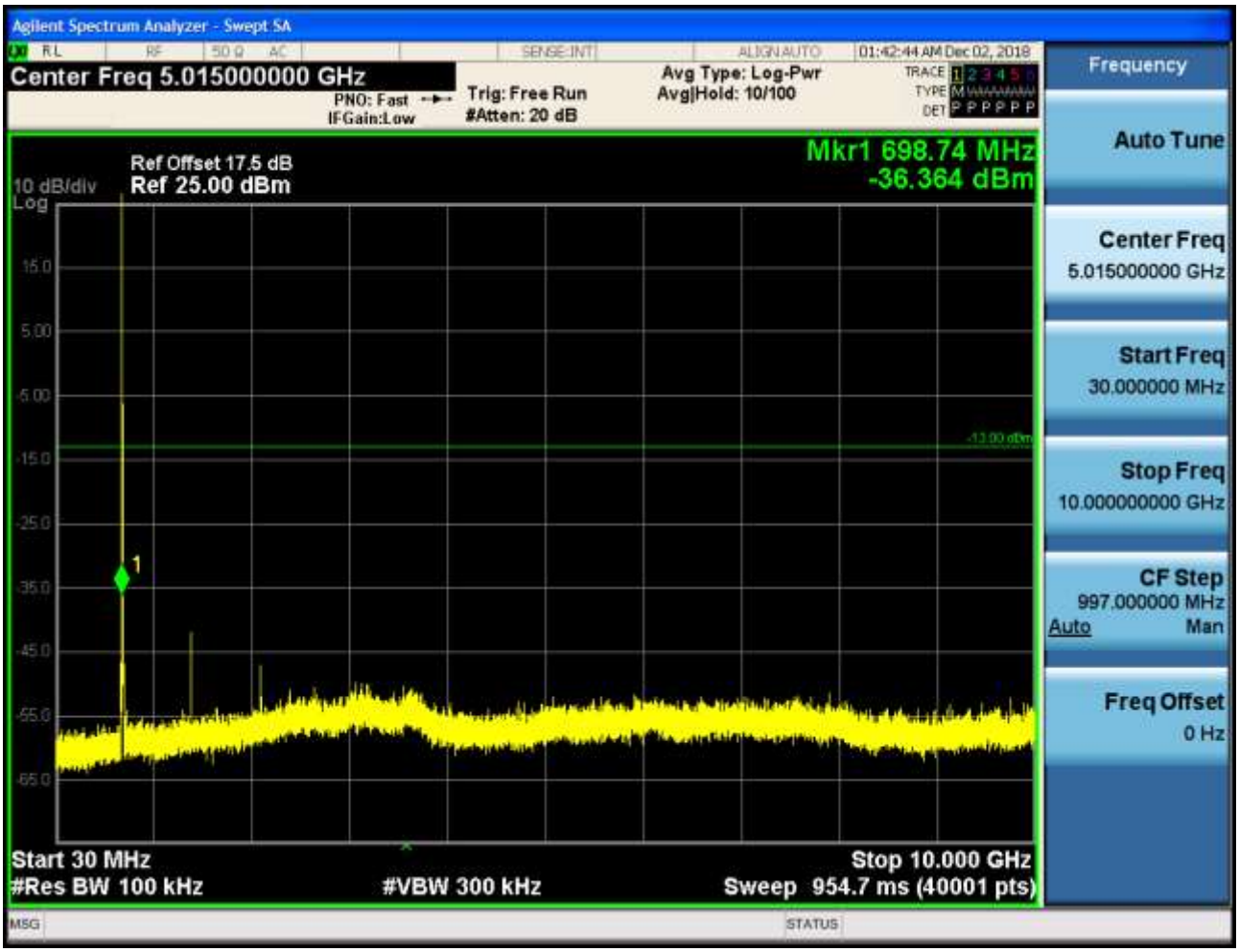

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6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0

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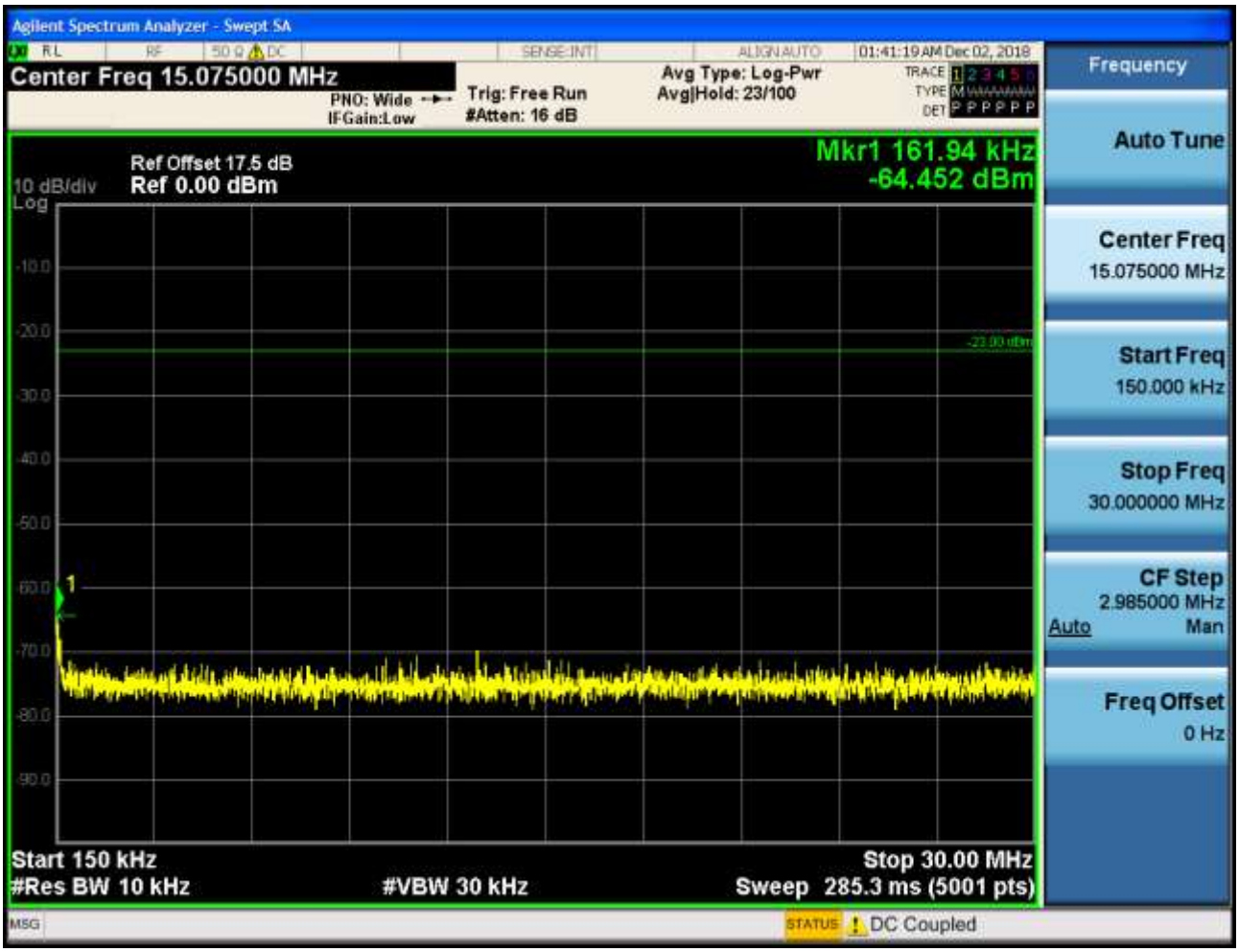

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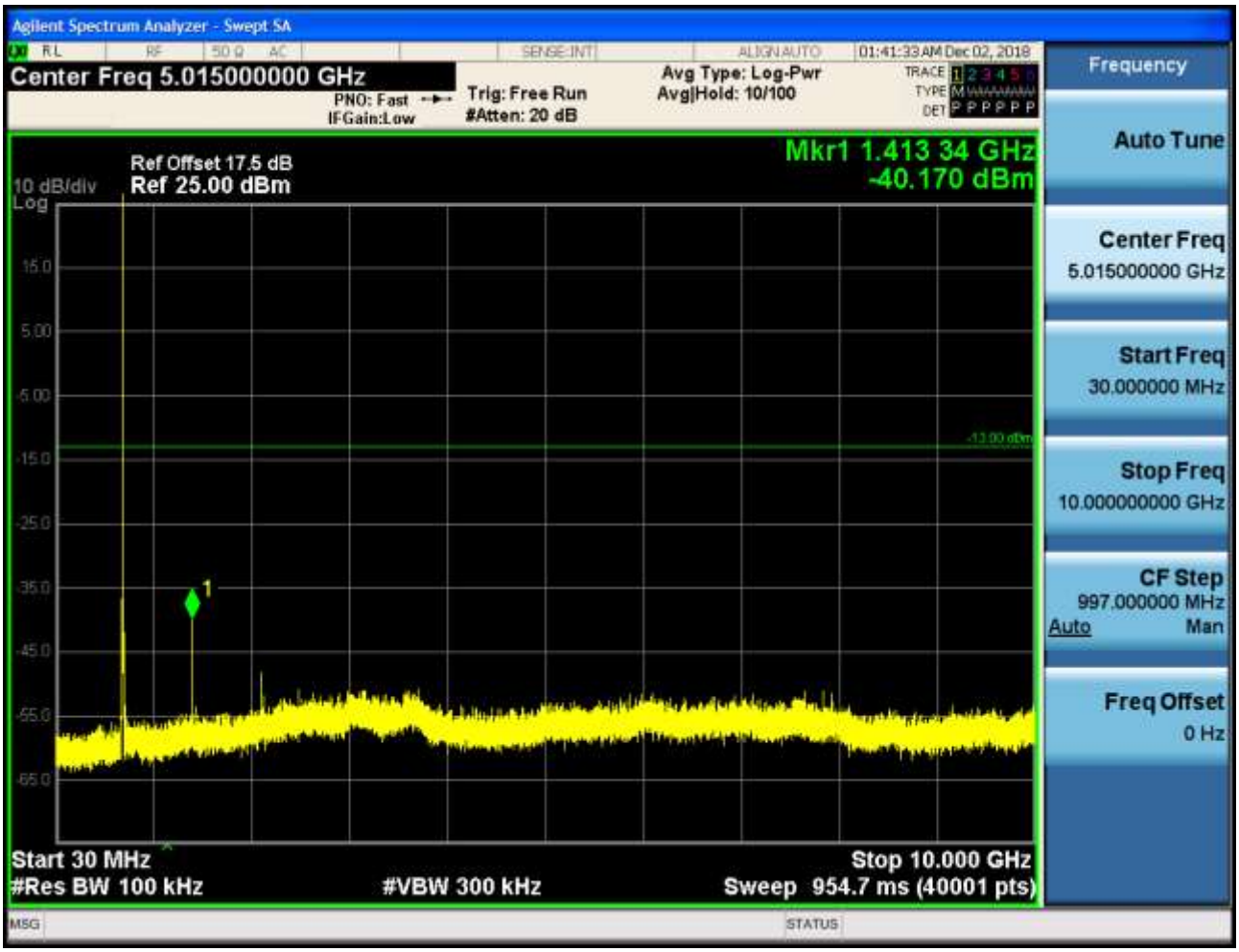

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6.2.1.2 Test Mode = LTE/TM2

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

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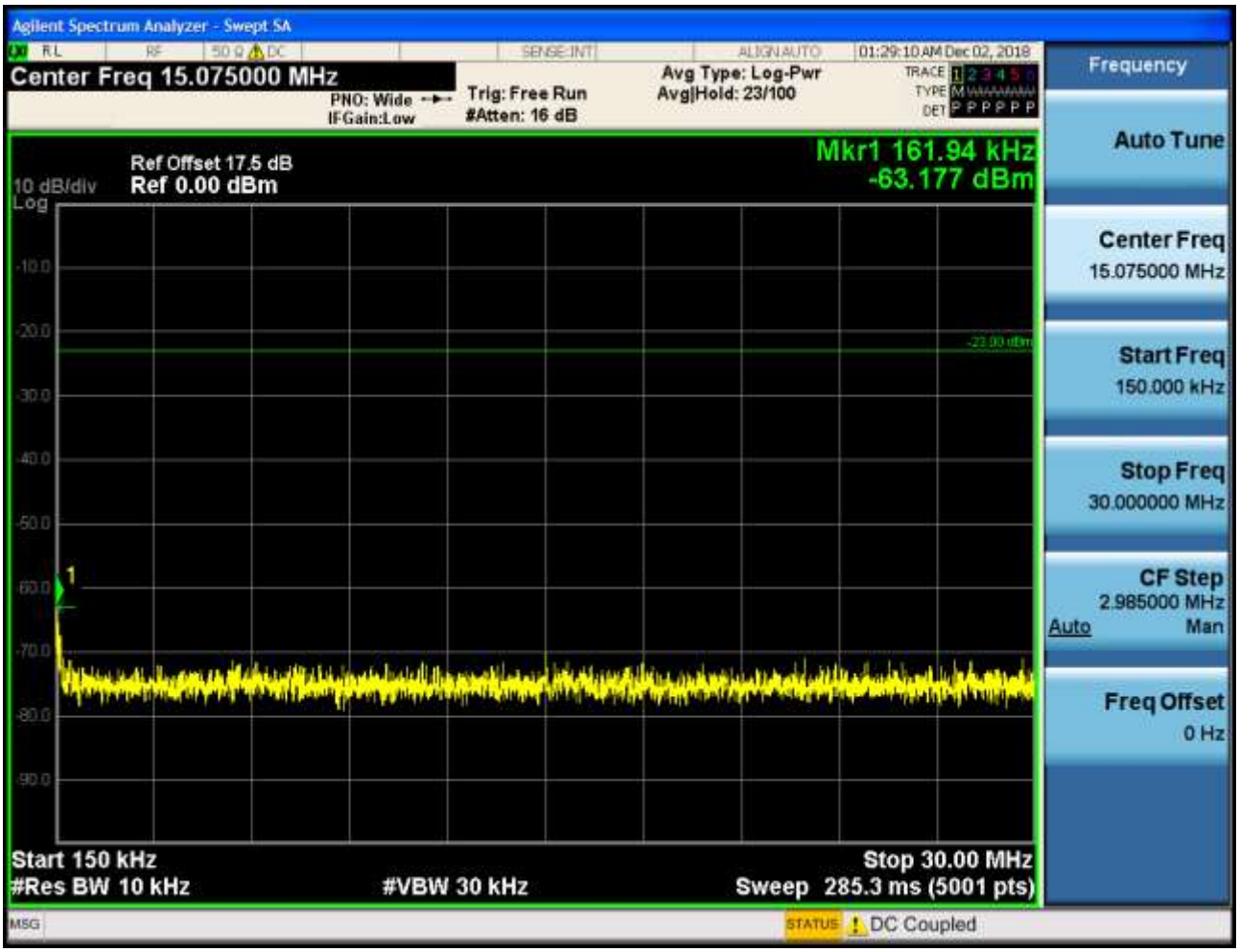

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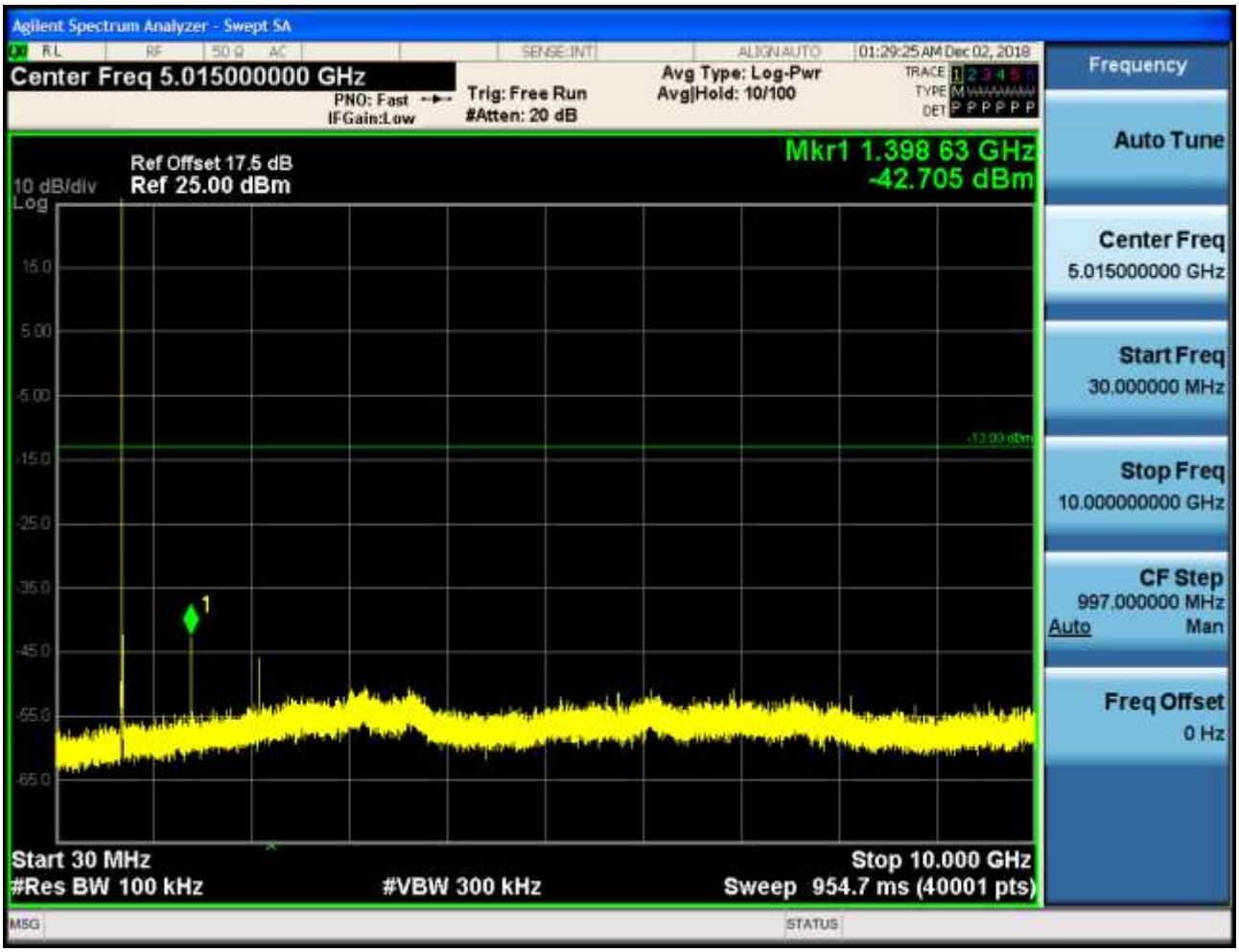

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6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0

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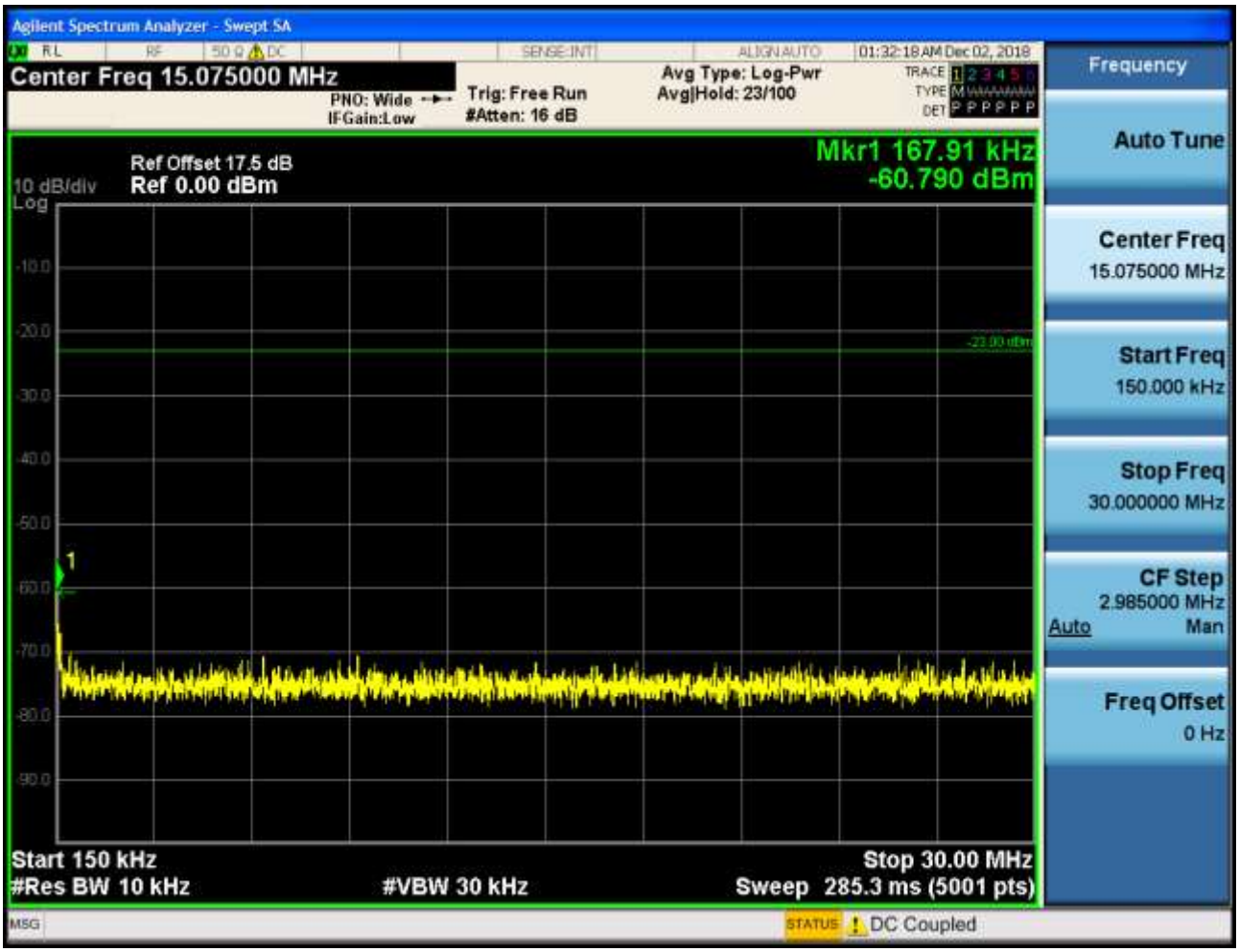

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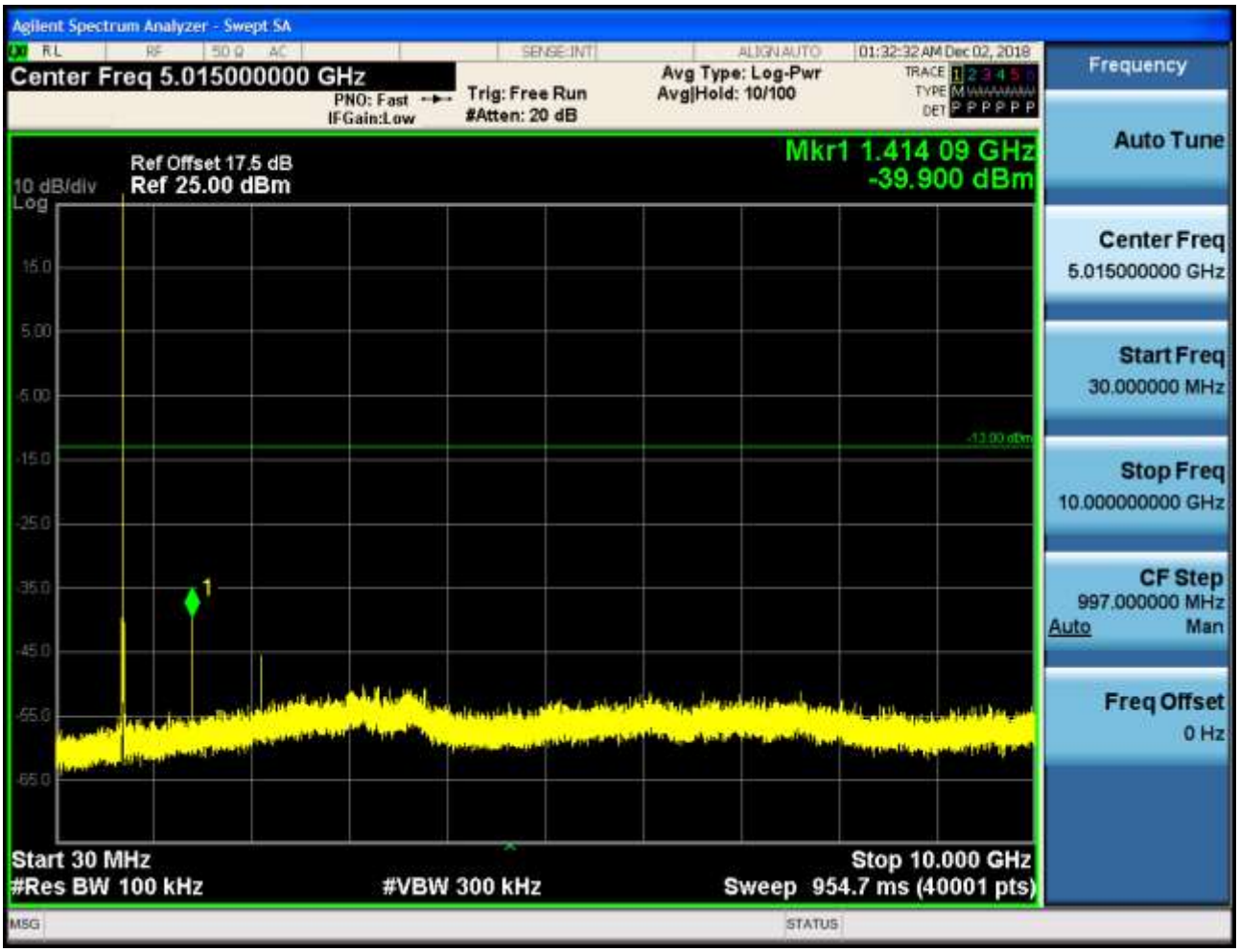

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6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0

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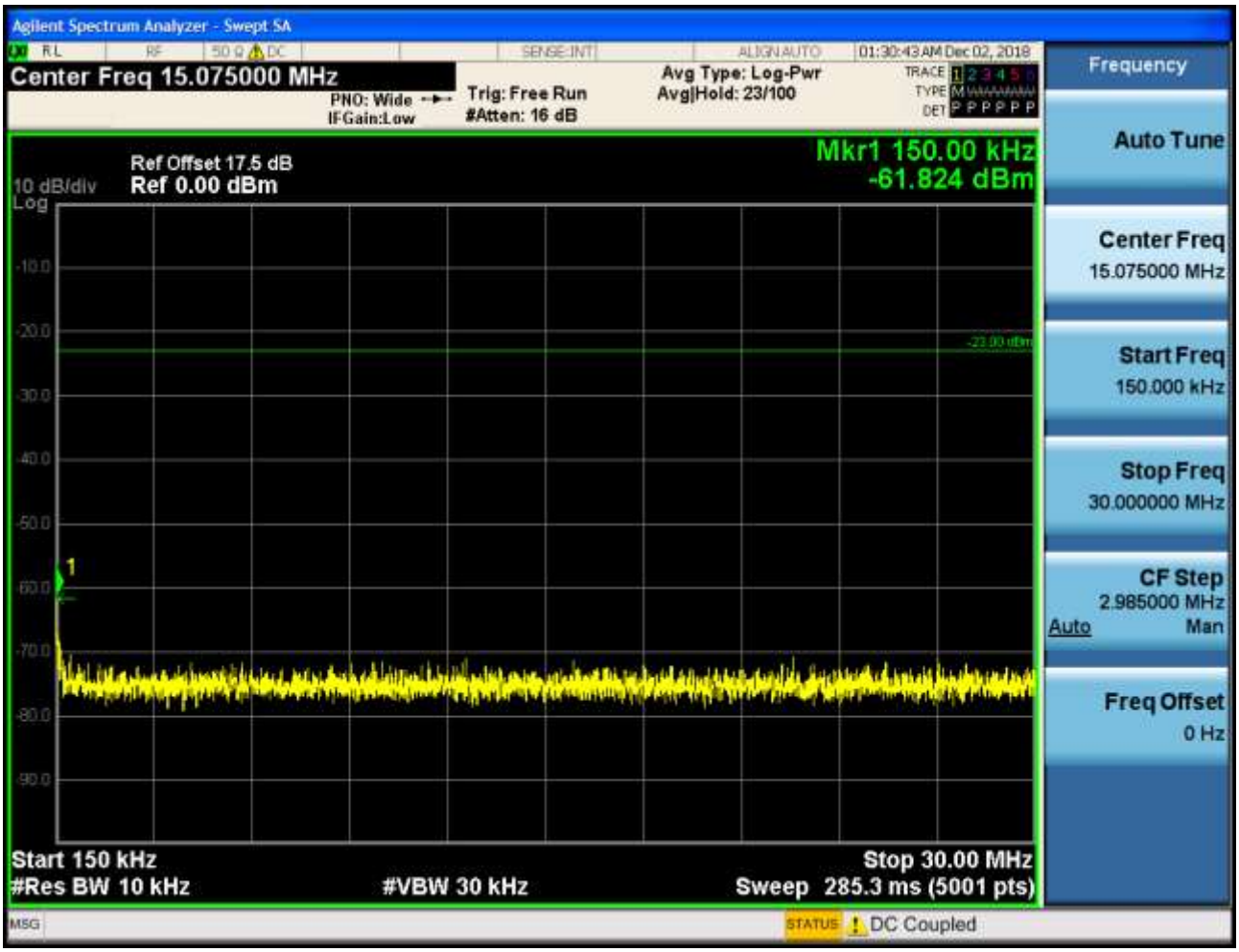

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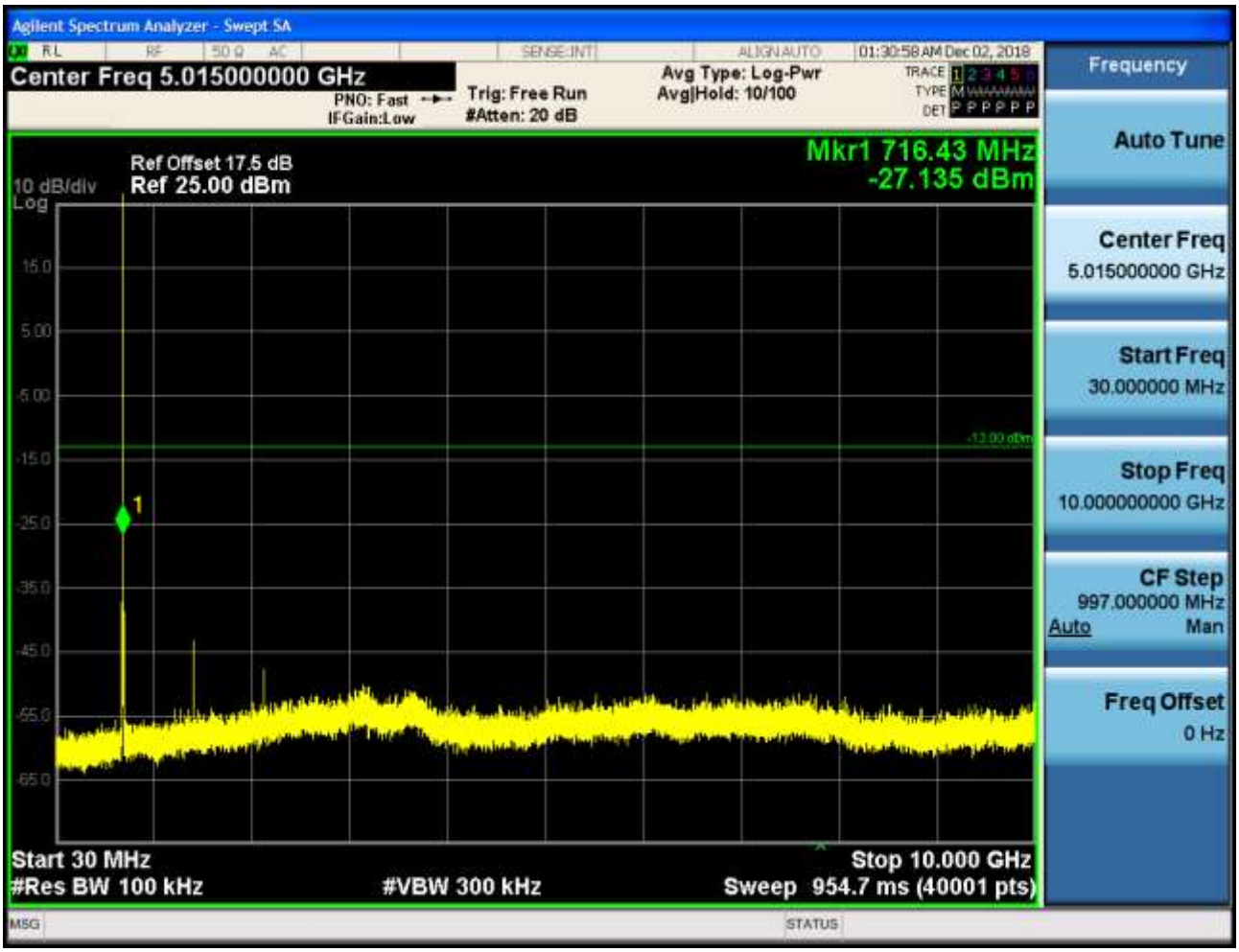

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6.2.1.2.2 Test Bandwidth = 3

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0

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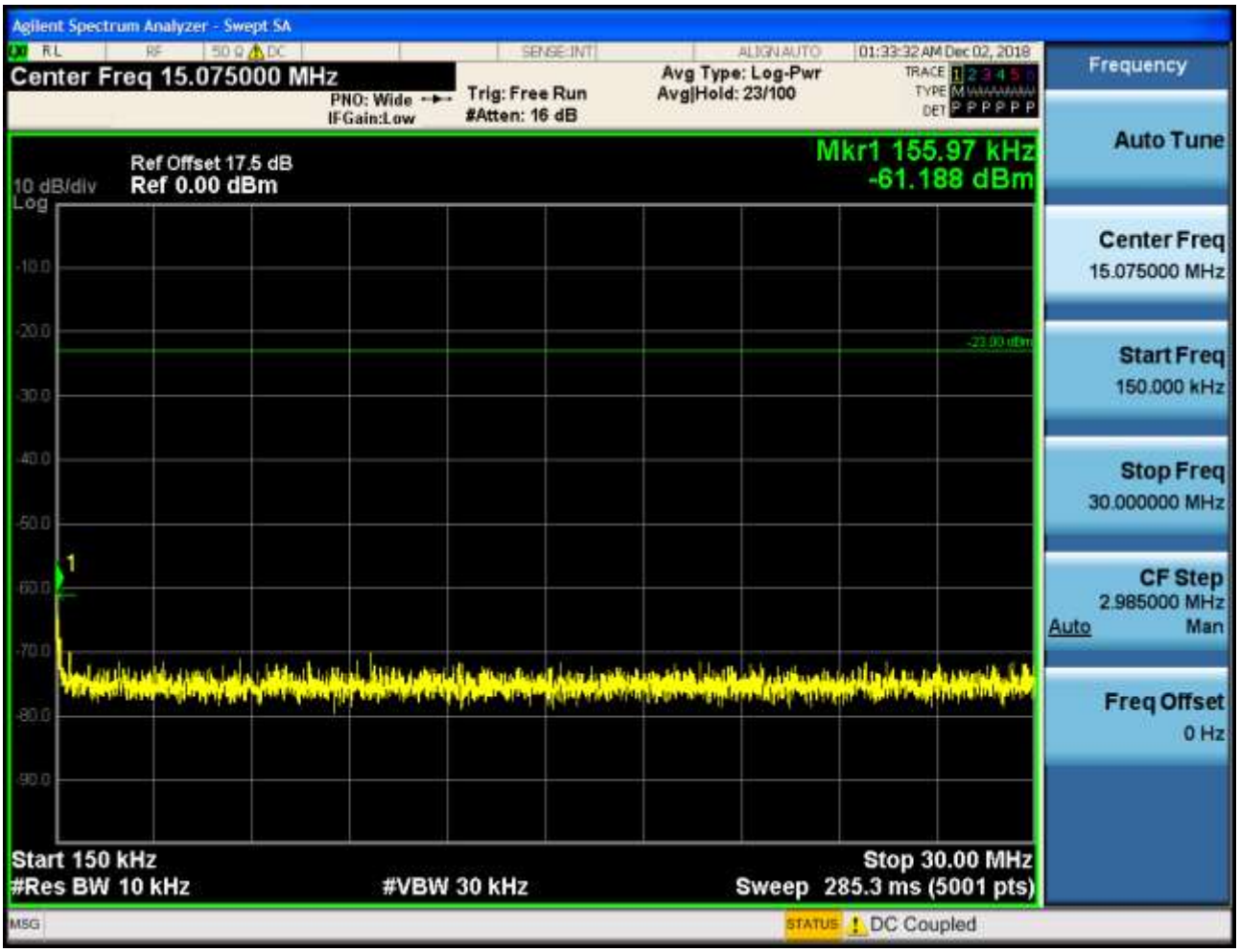

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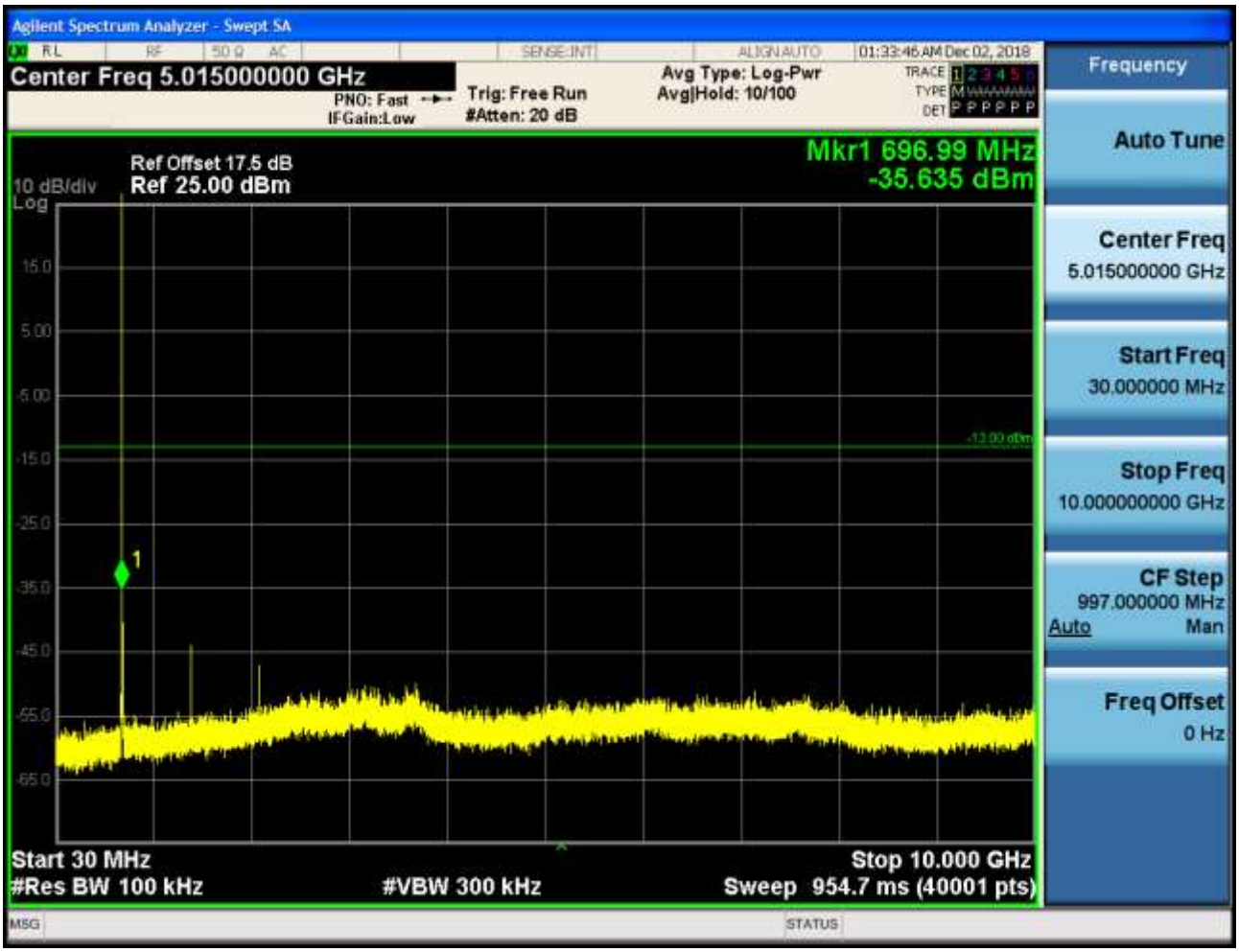

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6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0

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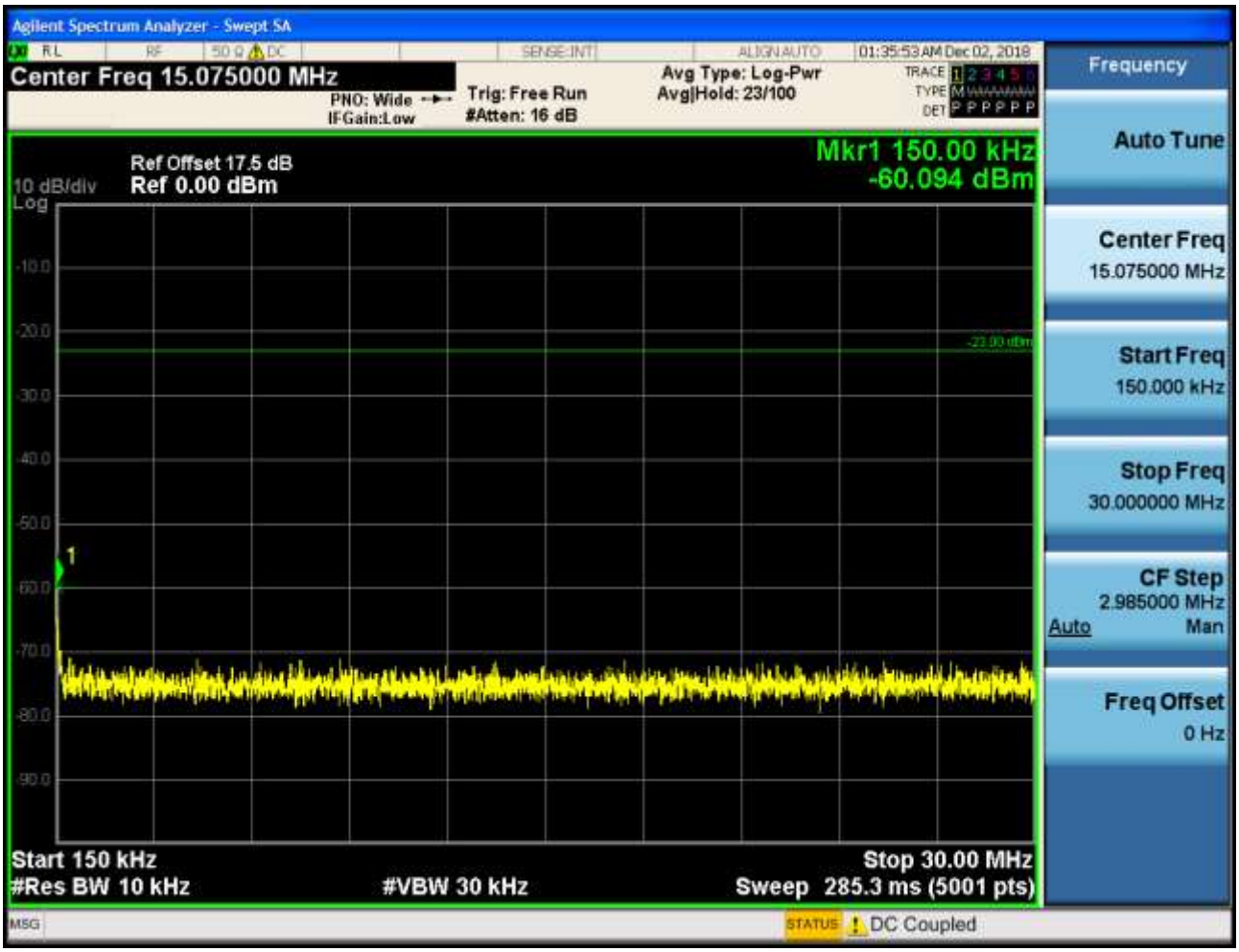

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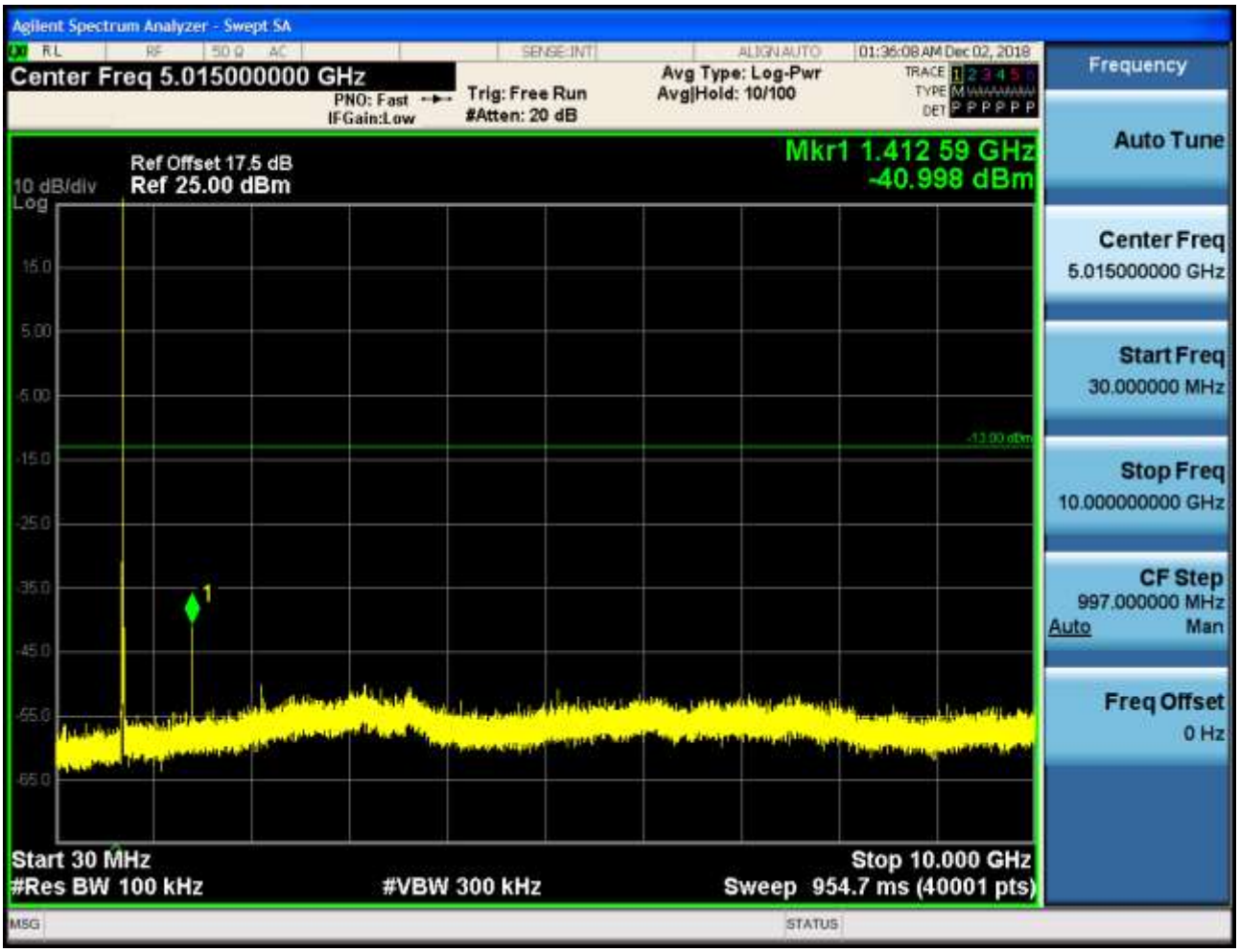

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6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0

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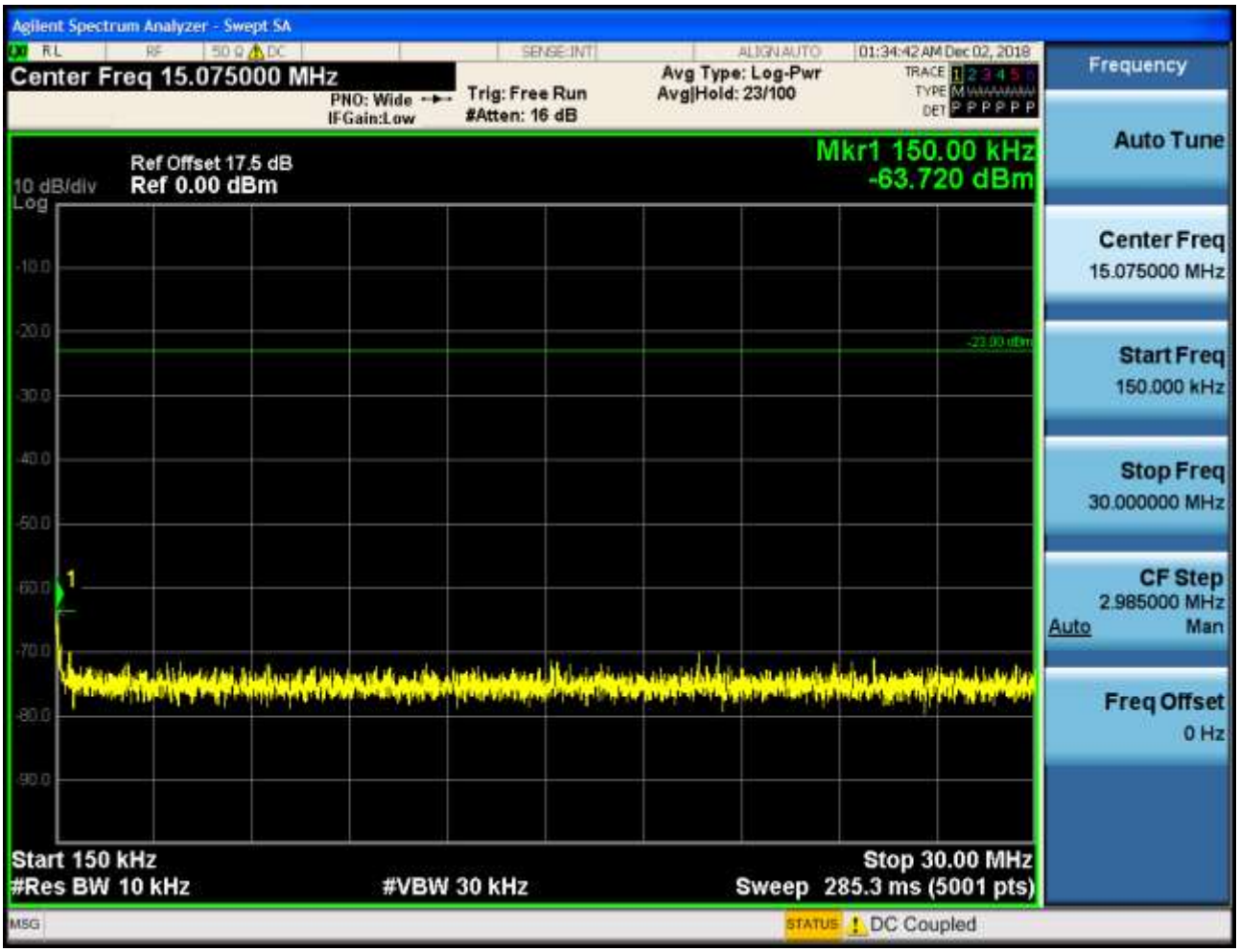

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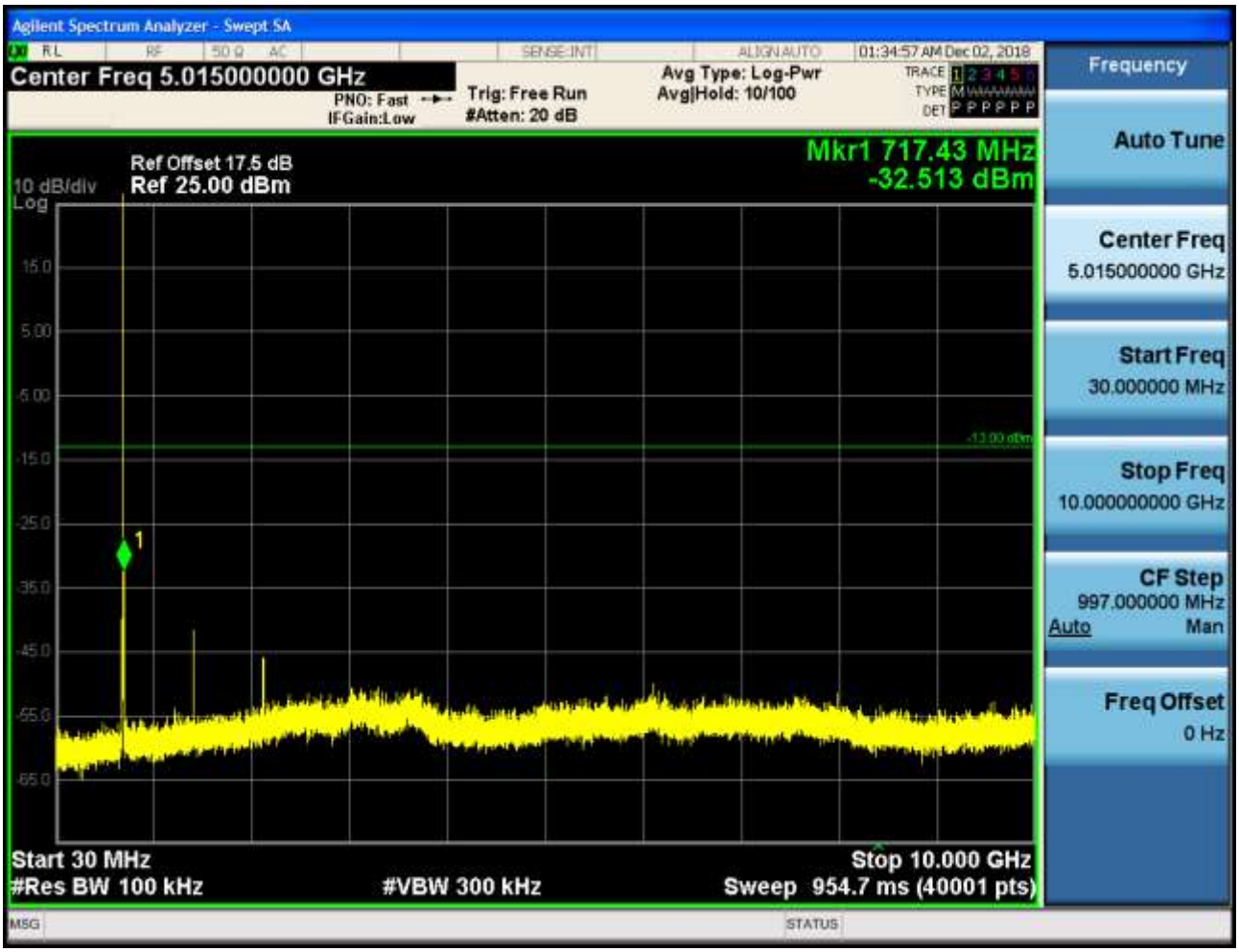

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6.2.1.2.3 Test Bandwidth = 5

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0

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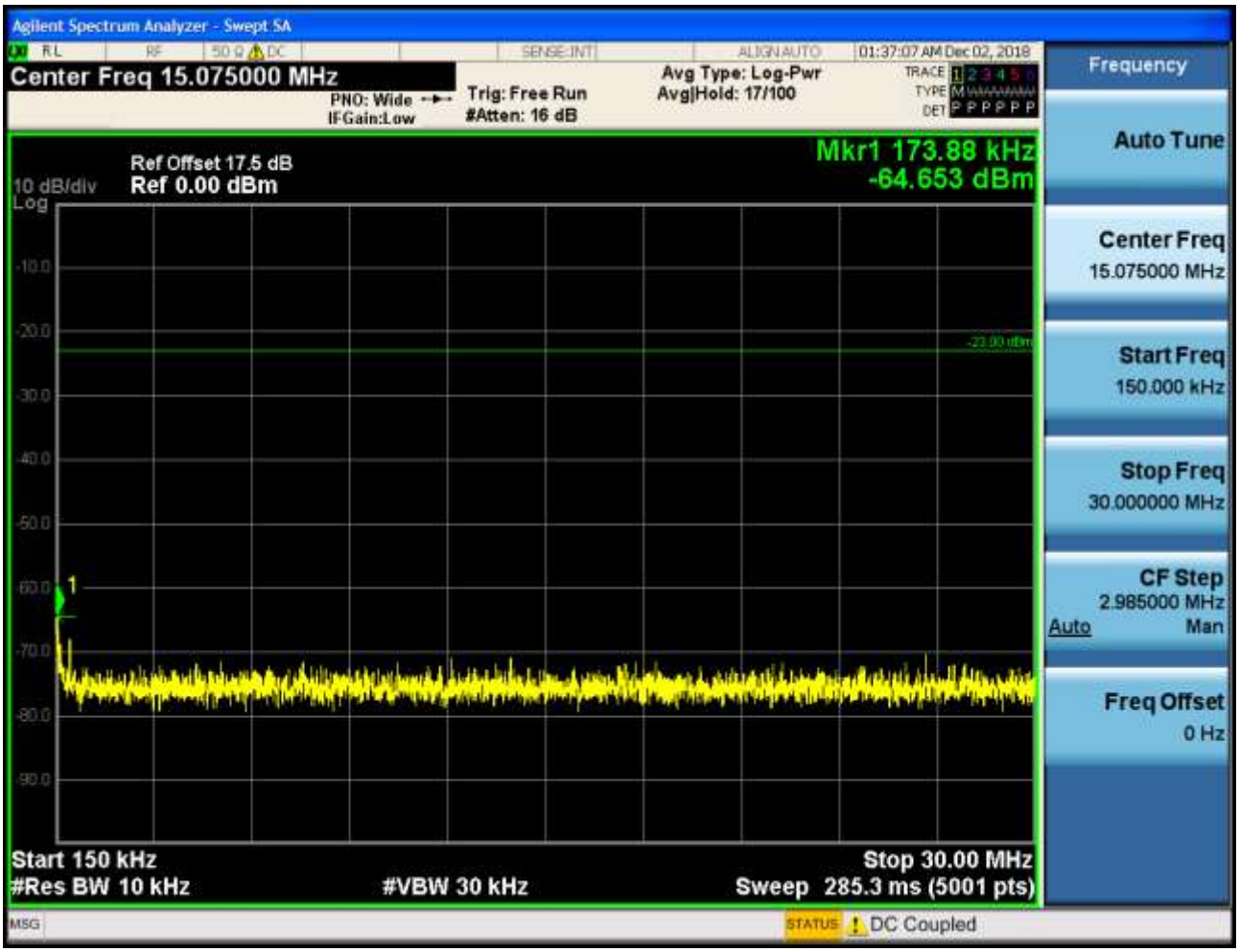

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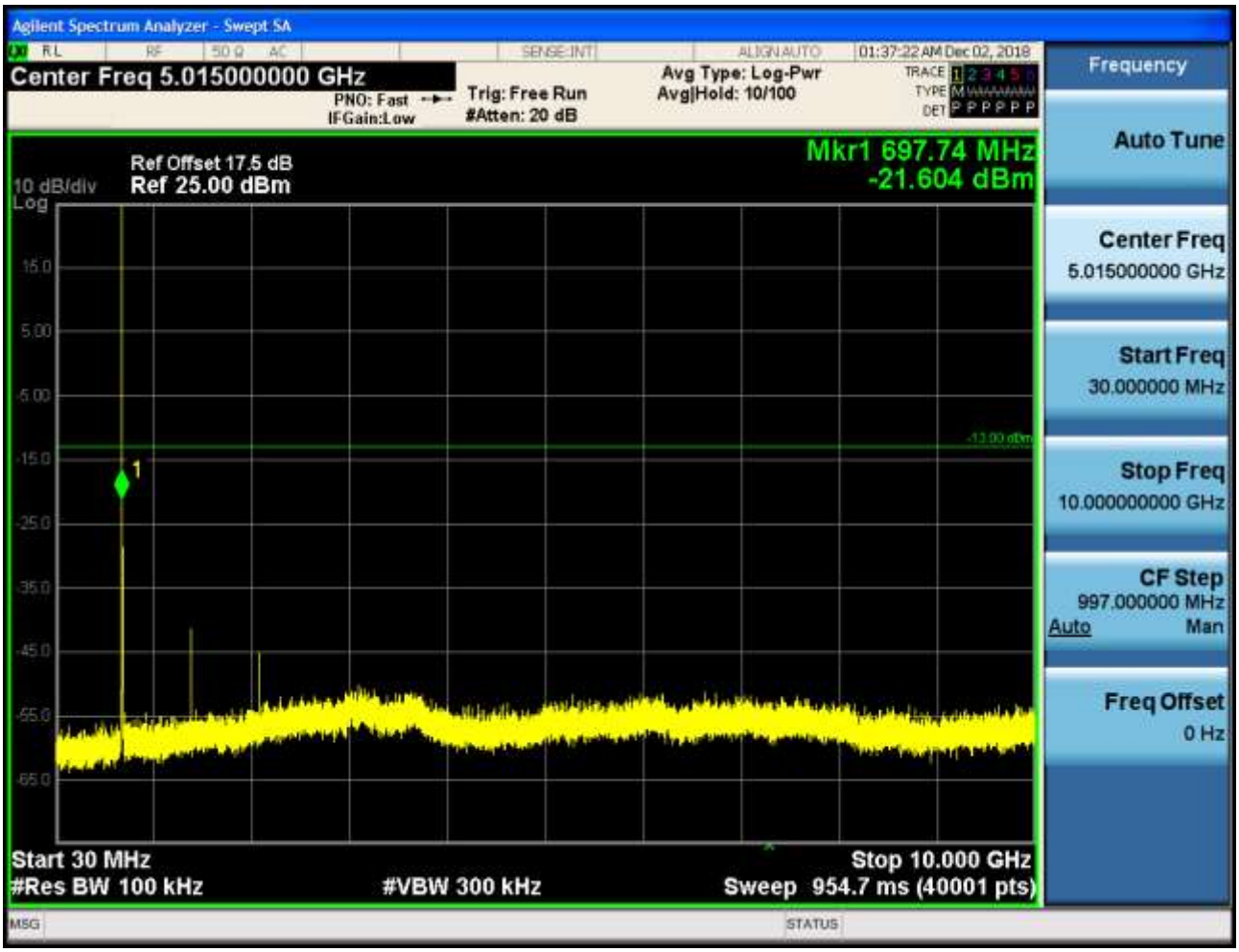

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6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0

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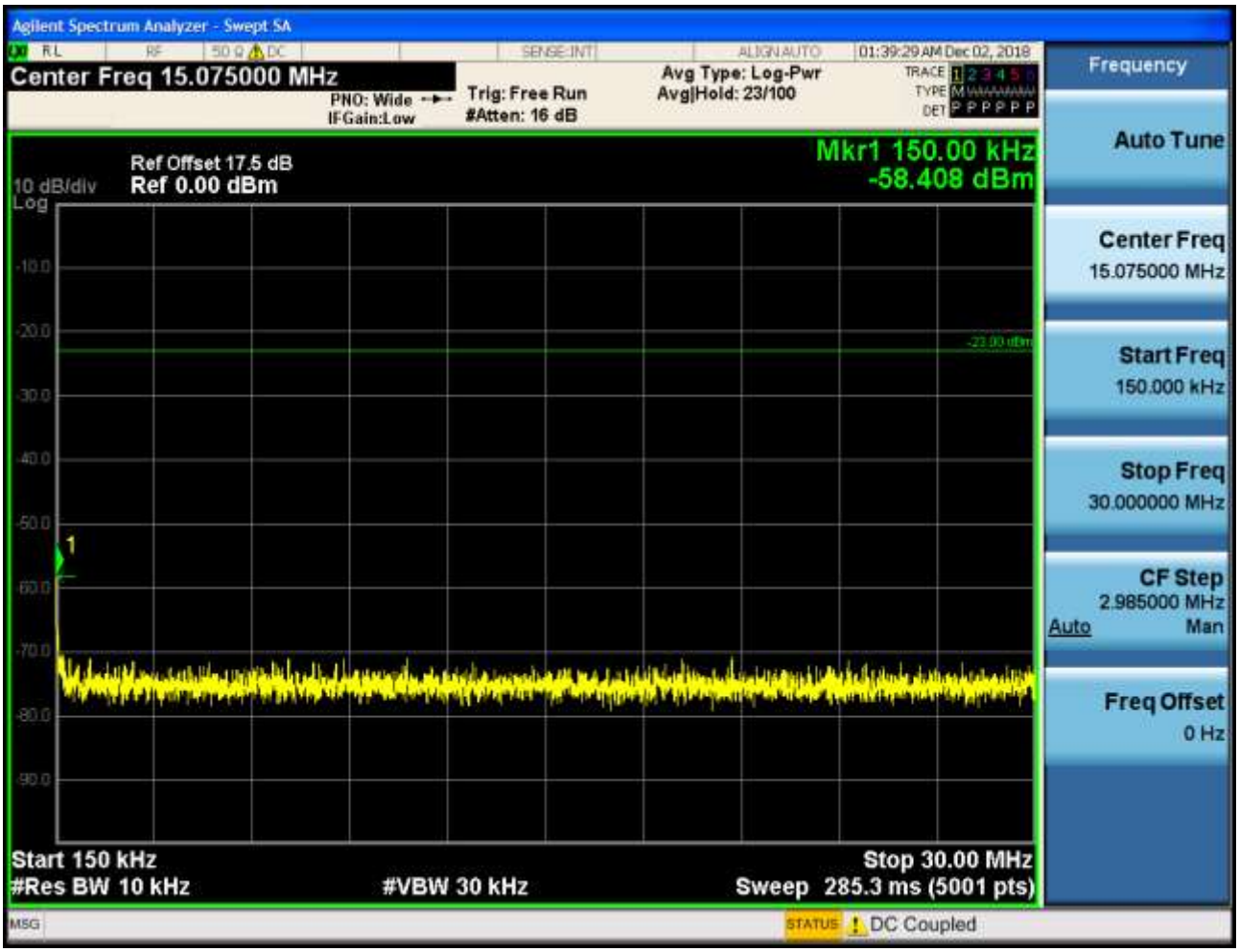

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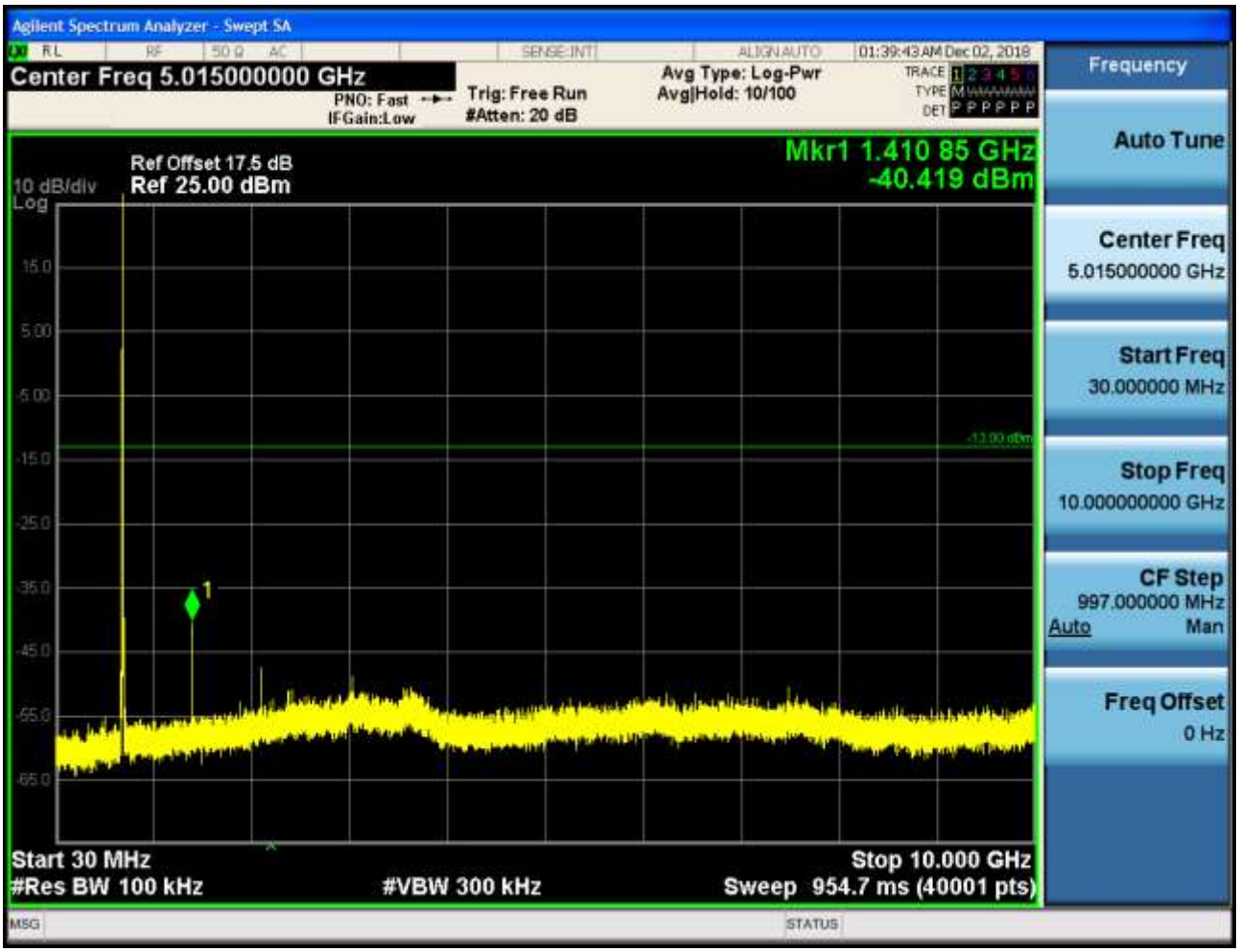

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6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0

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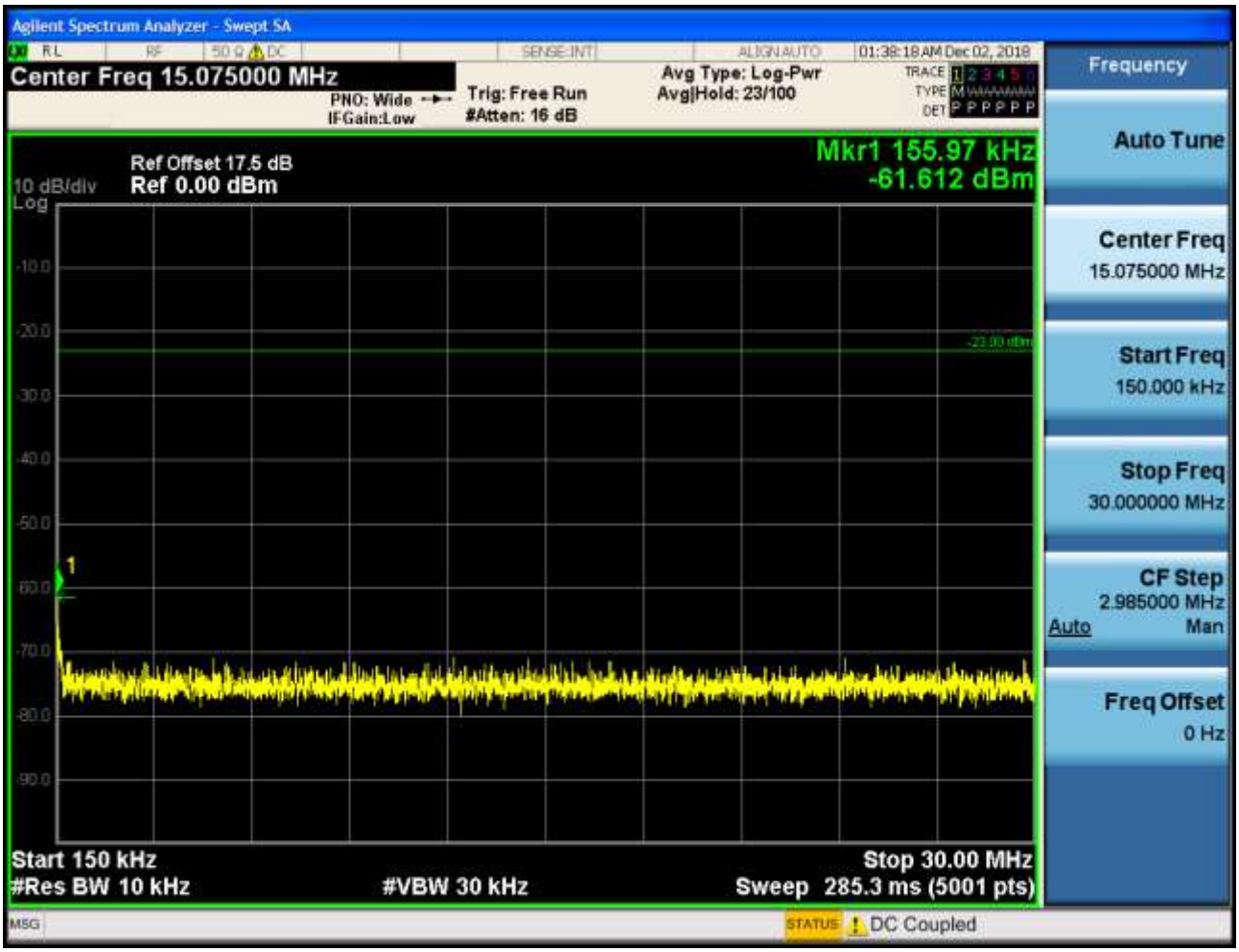

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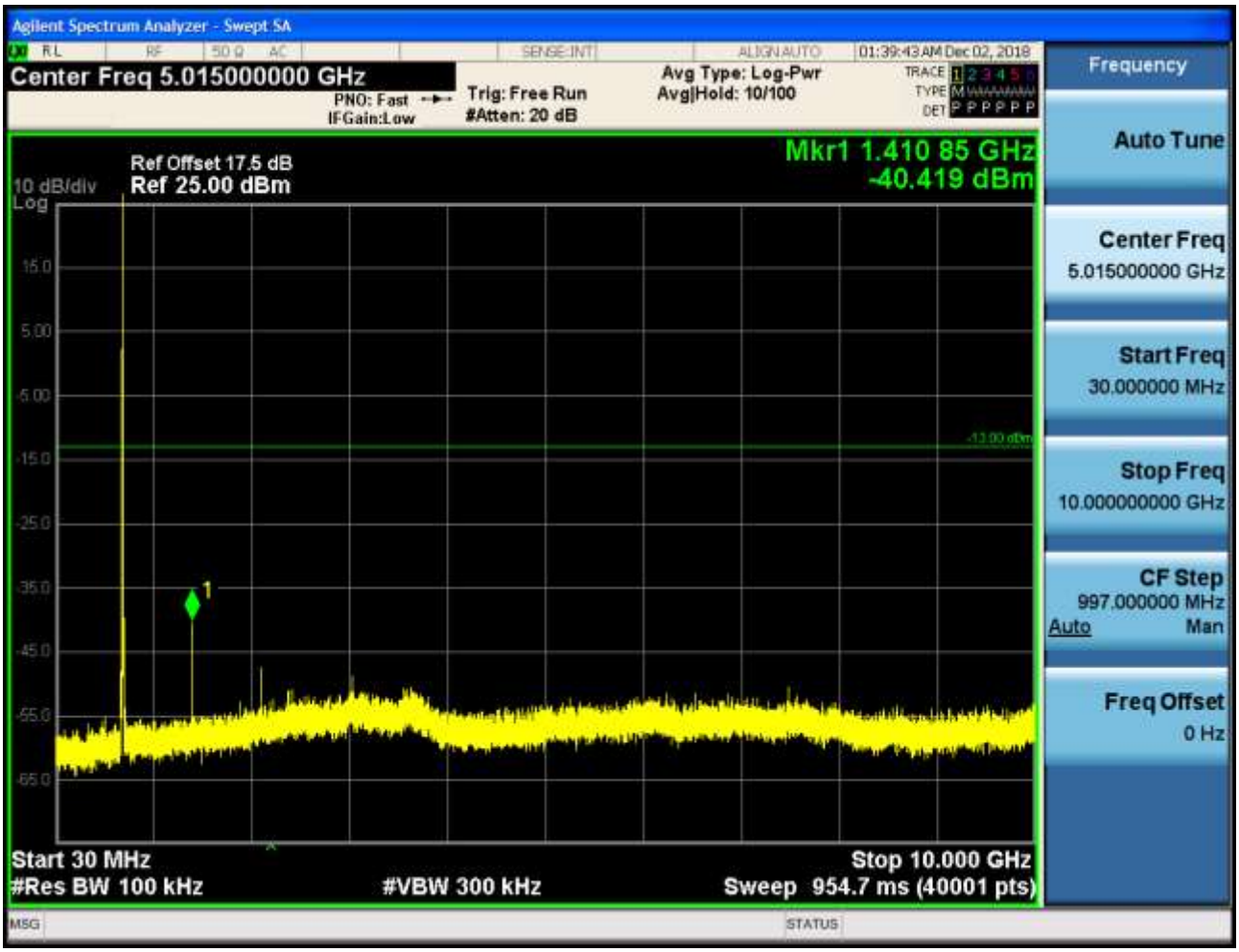

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6.2.1.2.4 Test Bandwidth = 10

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

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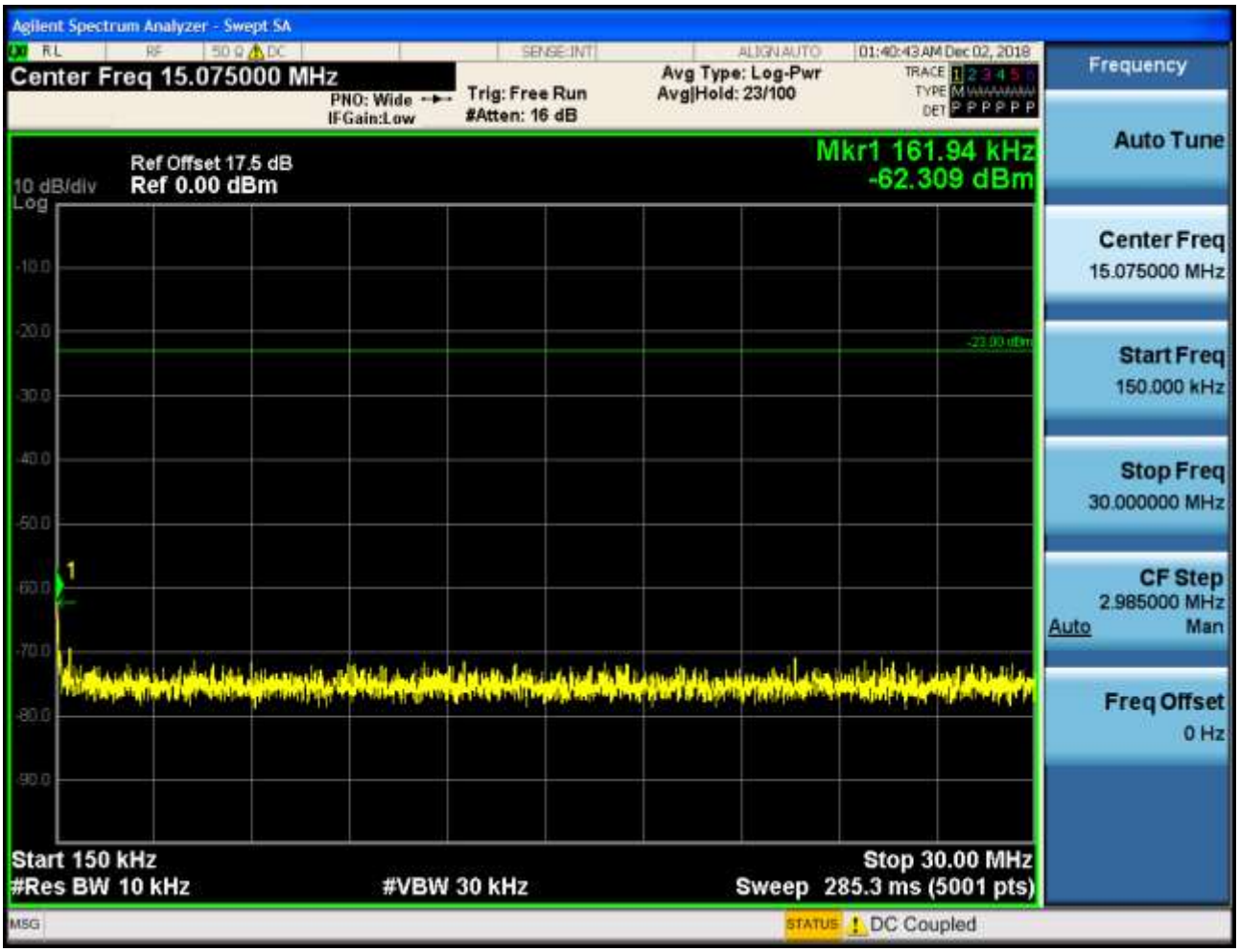

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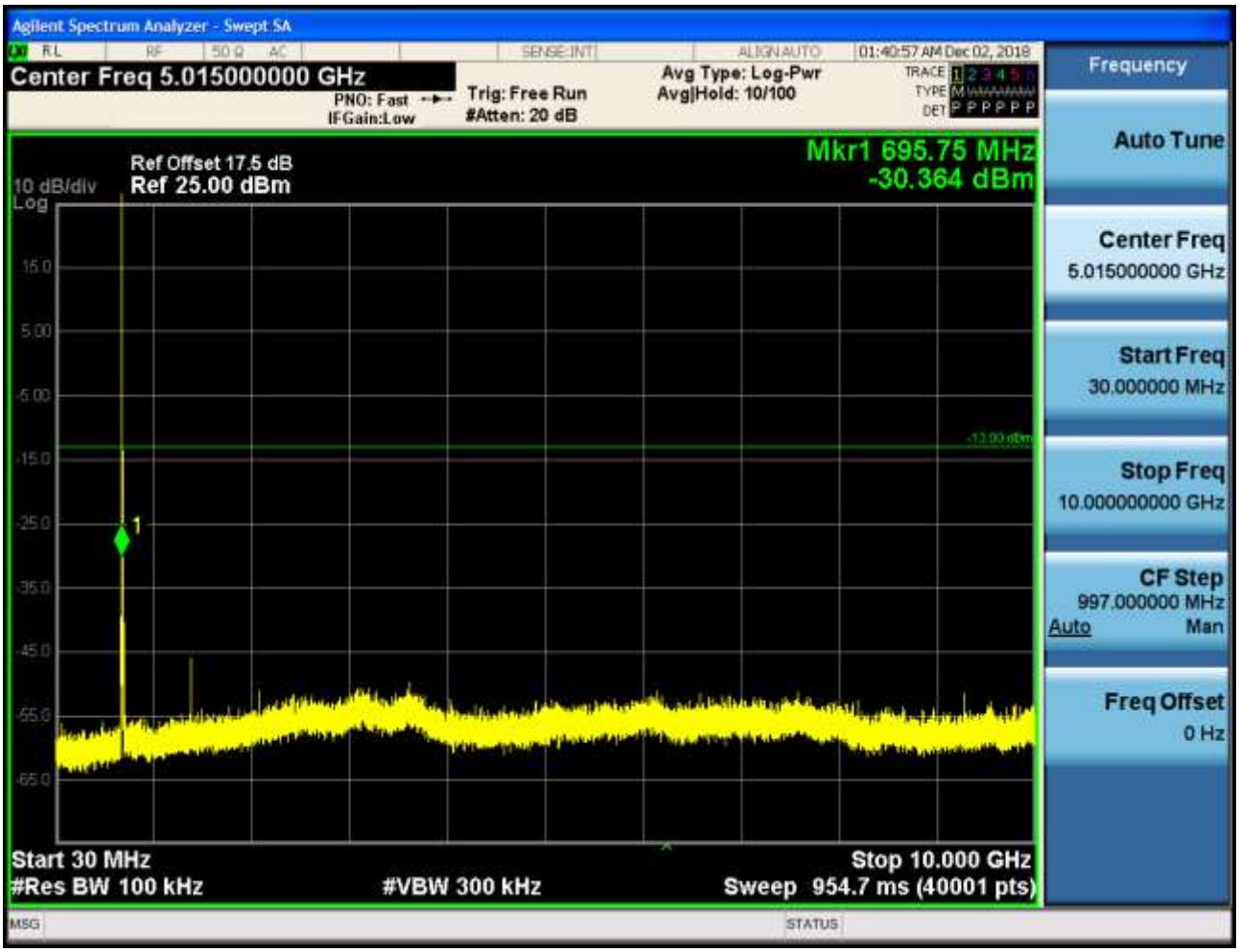

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6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0

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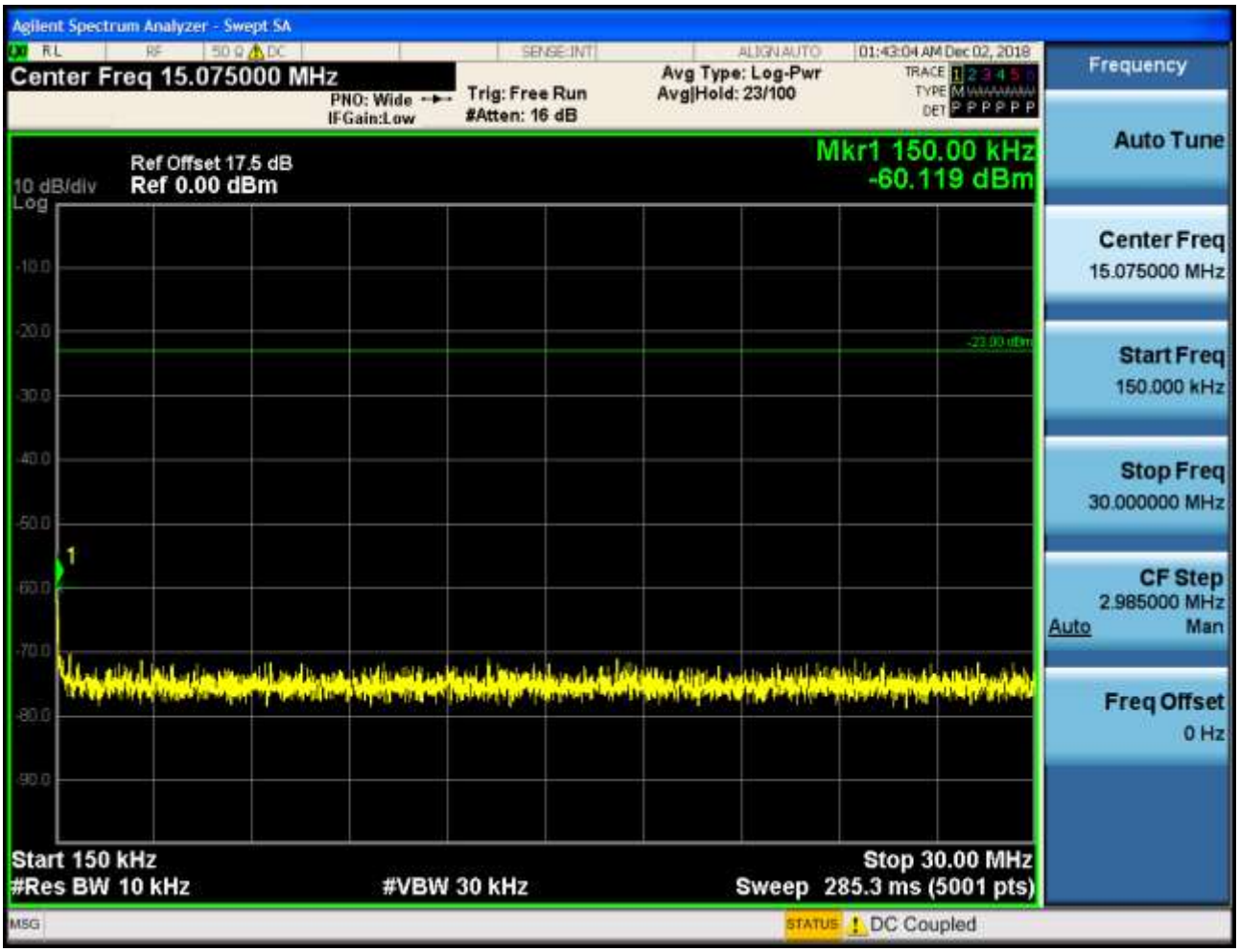

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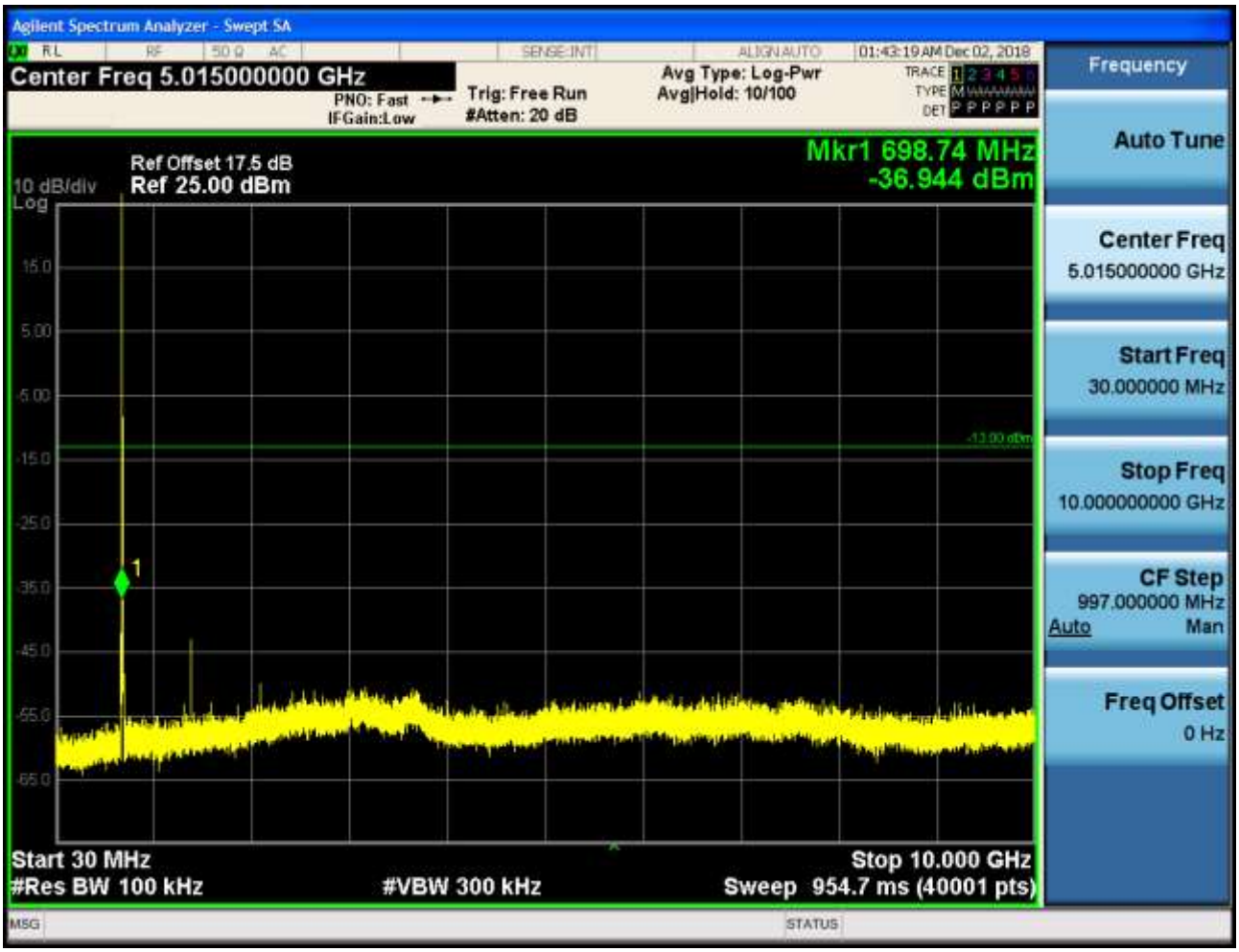

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6.2.1.2.4.3 Test Channel = HCH

6.2.1.2.4.3.1 Test RB = RB1#0

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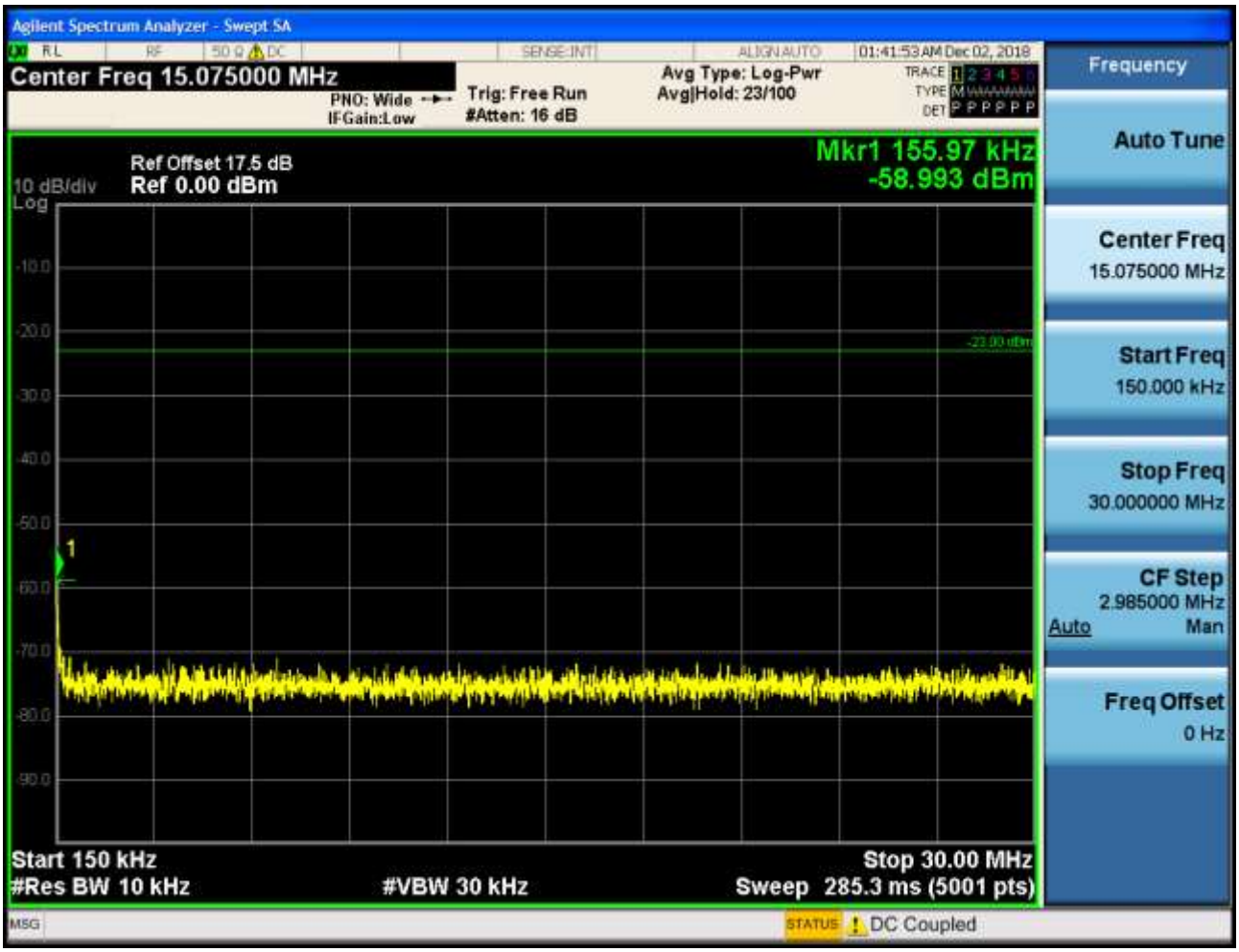

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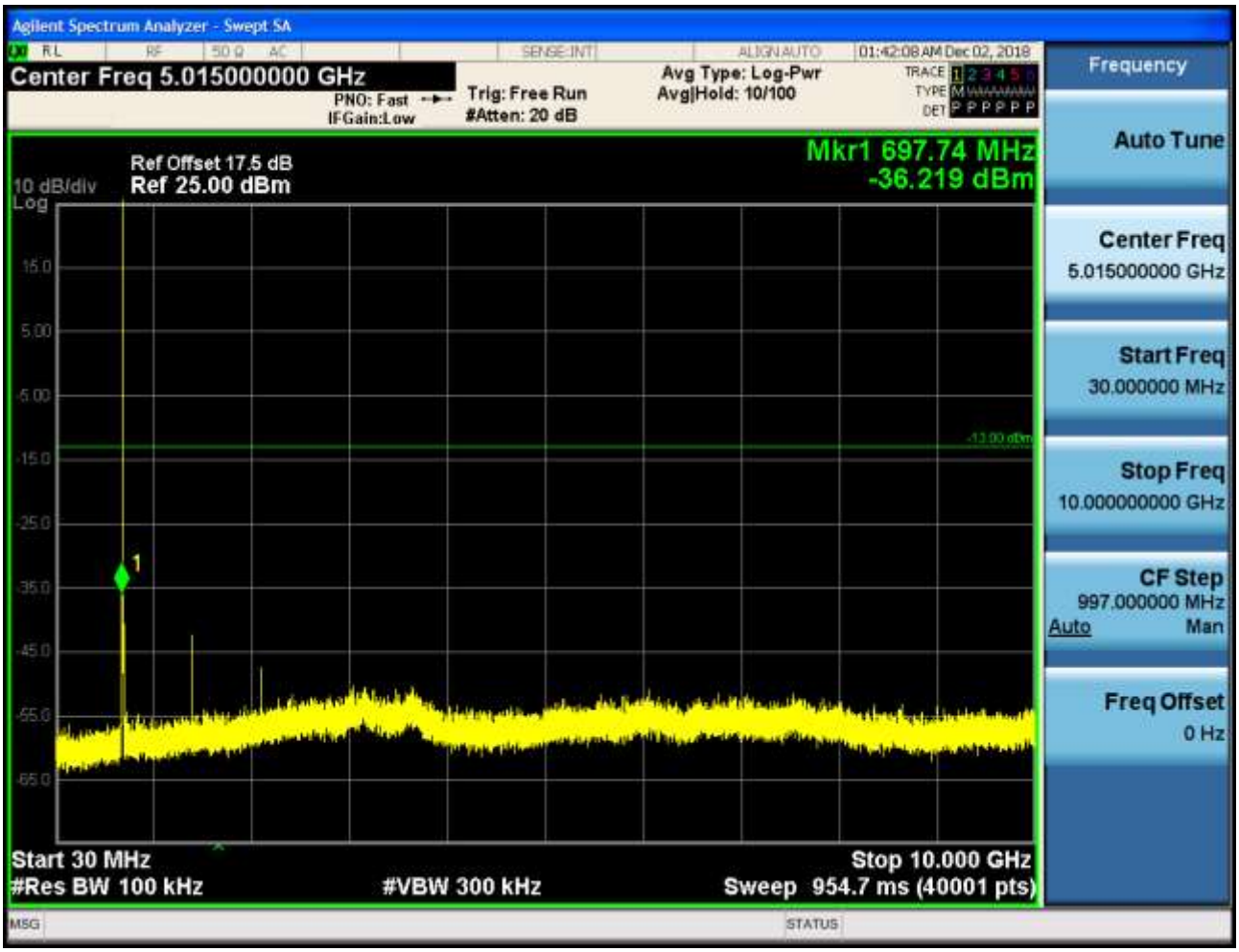

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7Appendix_G: Field Strength of Spurious Radiation

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

9kHz~150kHz, 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 = Band12_ANT1

7.1.1.1 Test Bandwidth = 1.4

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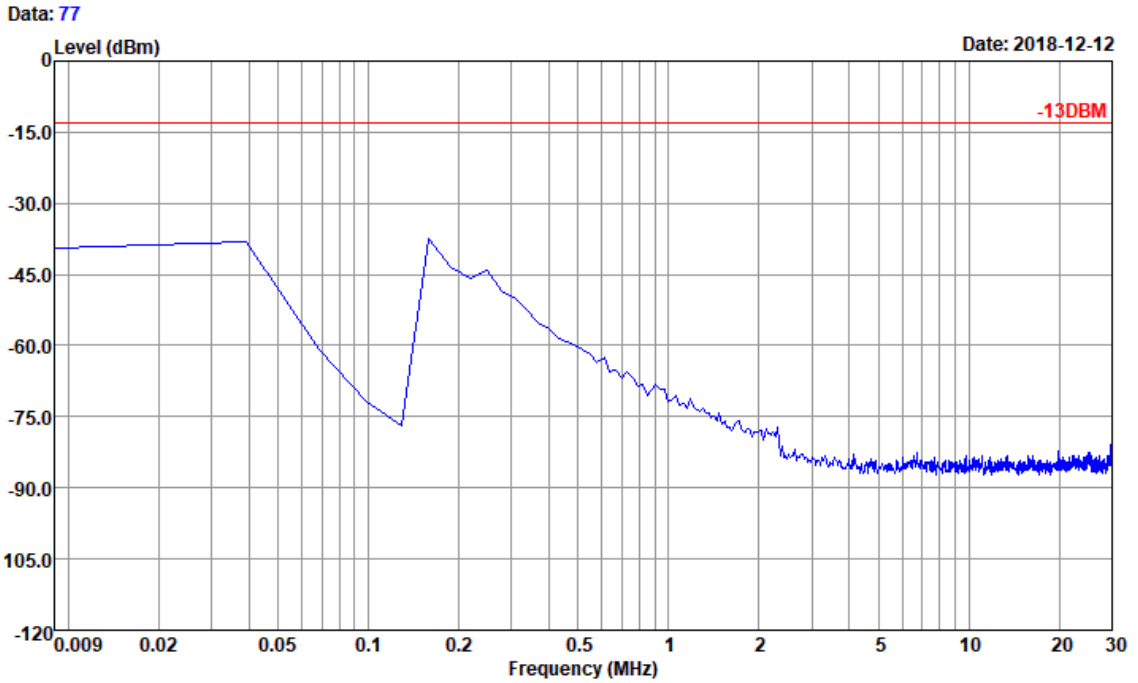

Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

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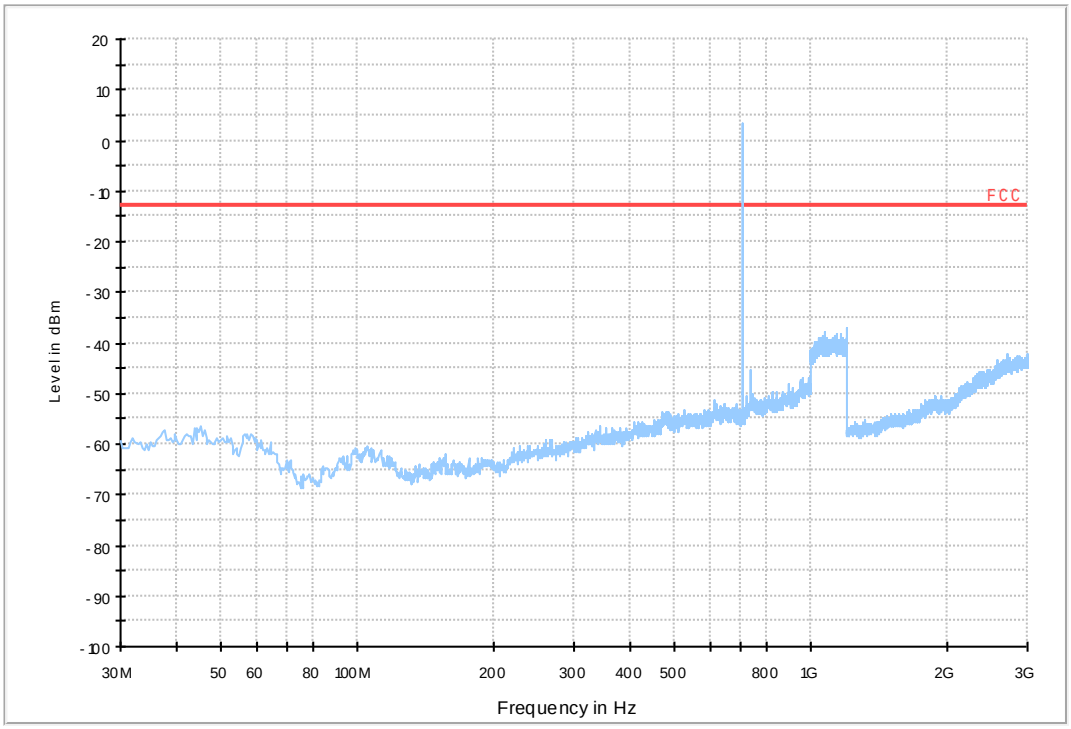
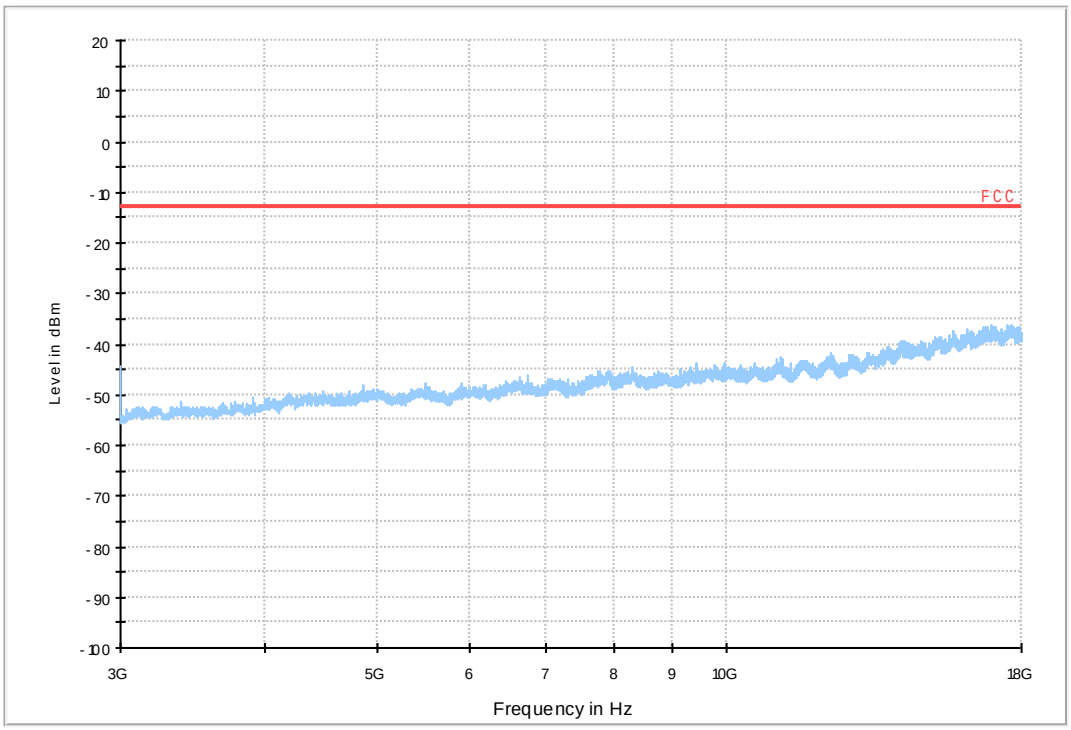
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



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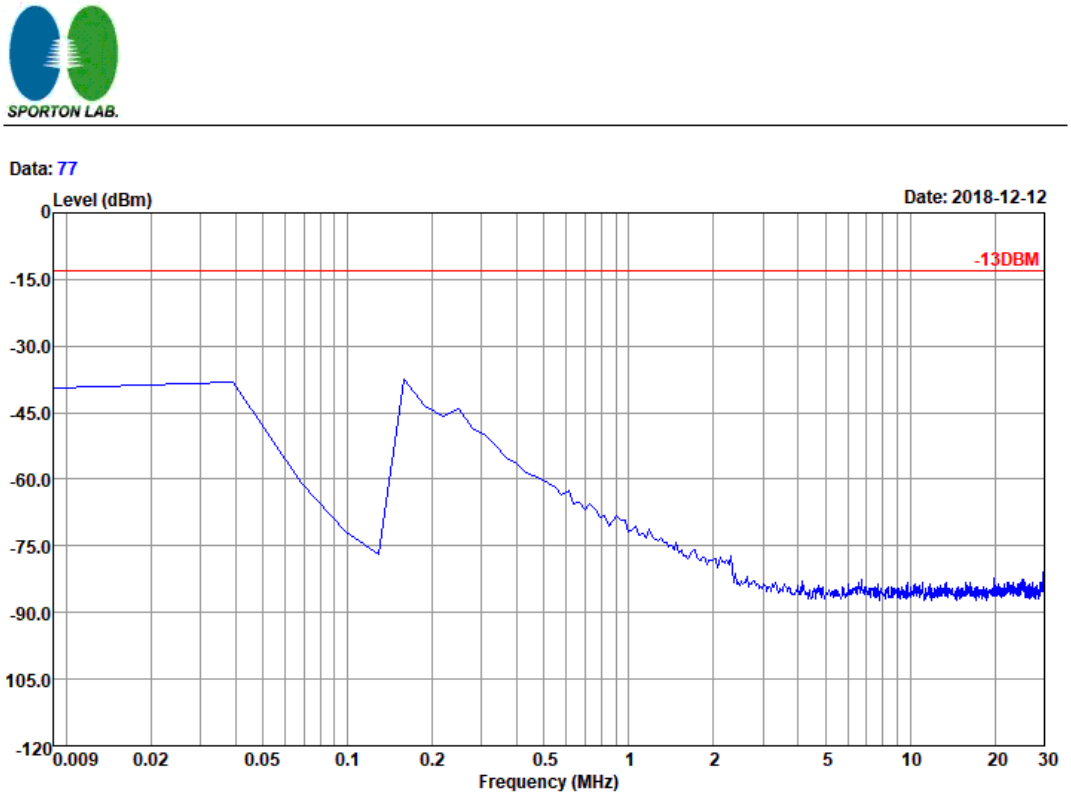
7.1.1.2 Test Bandwidth = 10



Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

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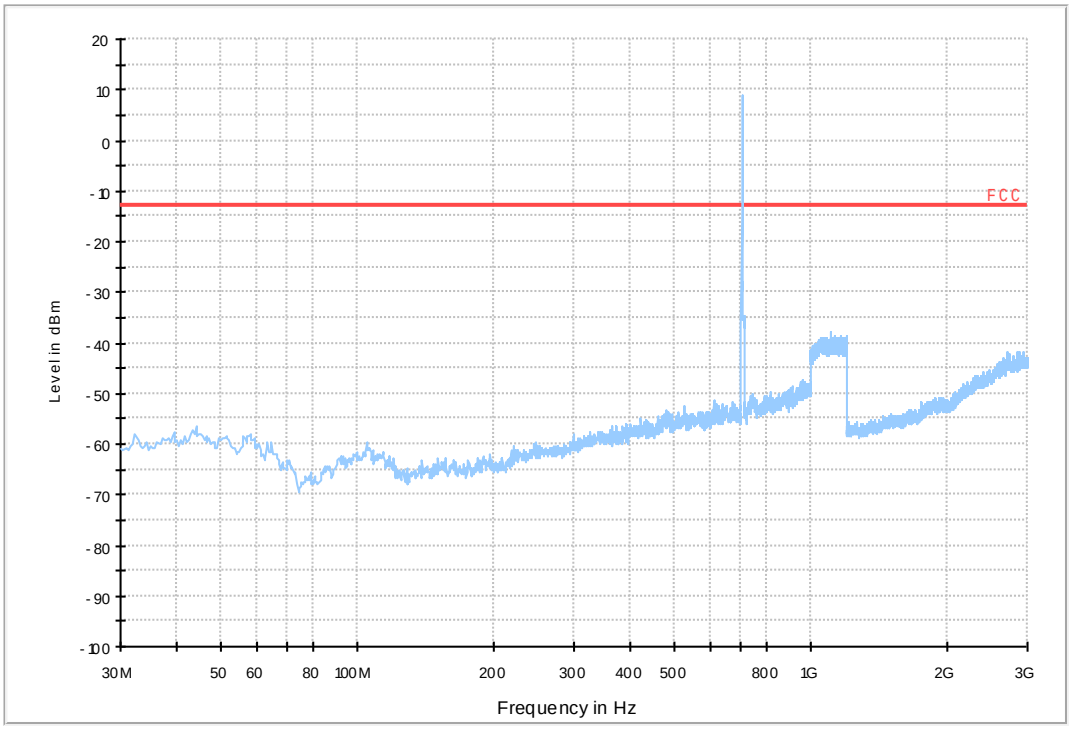
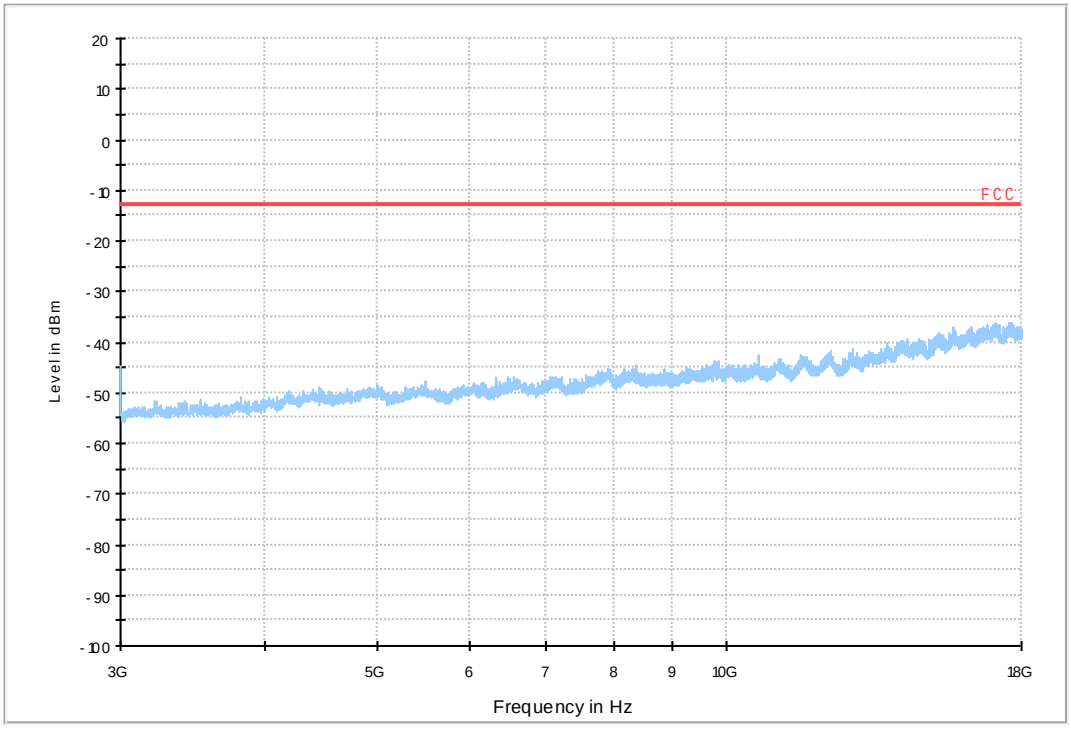
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



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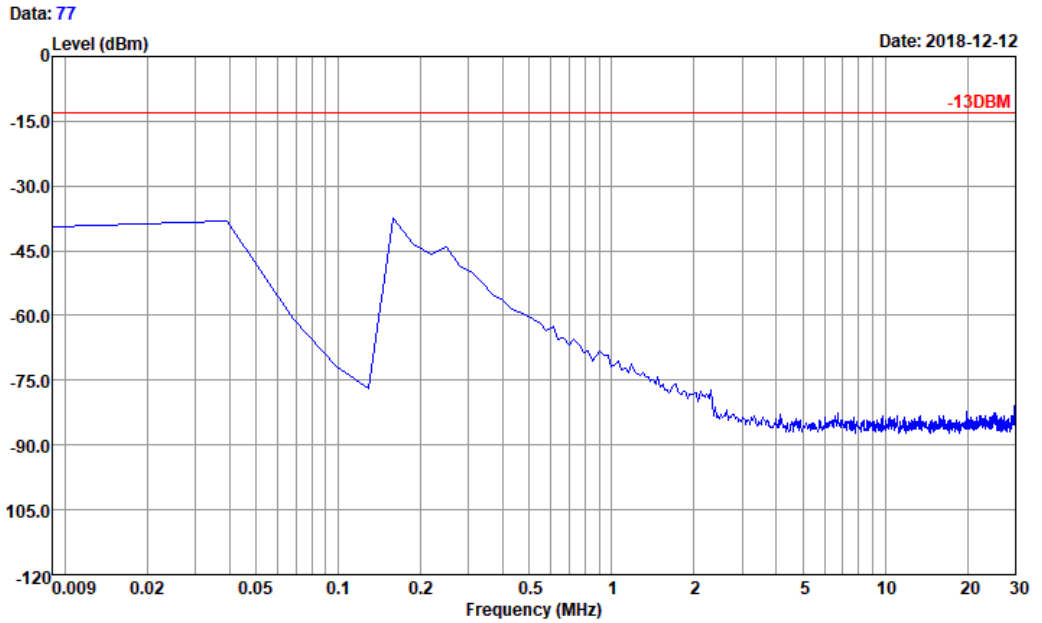
7.1.2 Test Band = Band12_ANT2

7.1.2.1 Test Bandwidth = 1.4



Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

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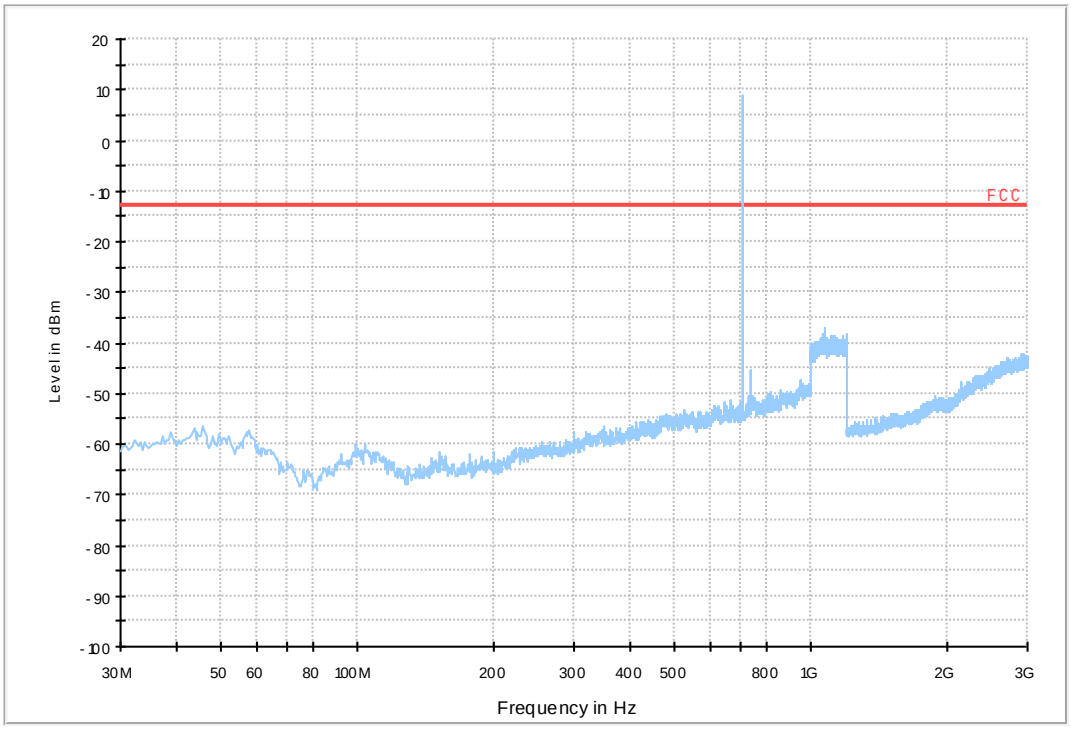
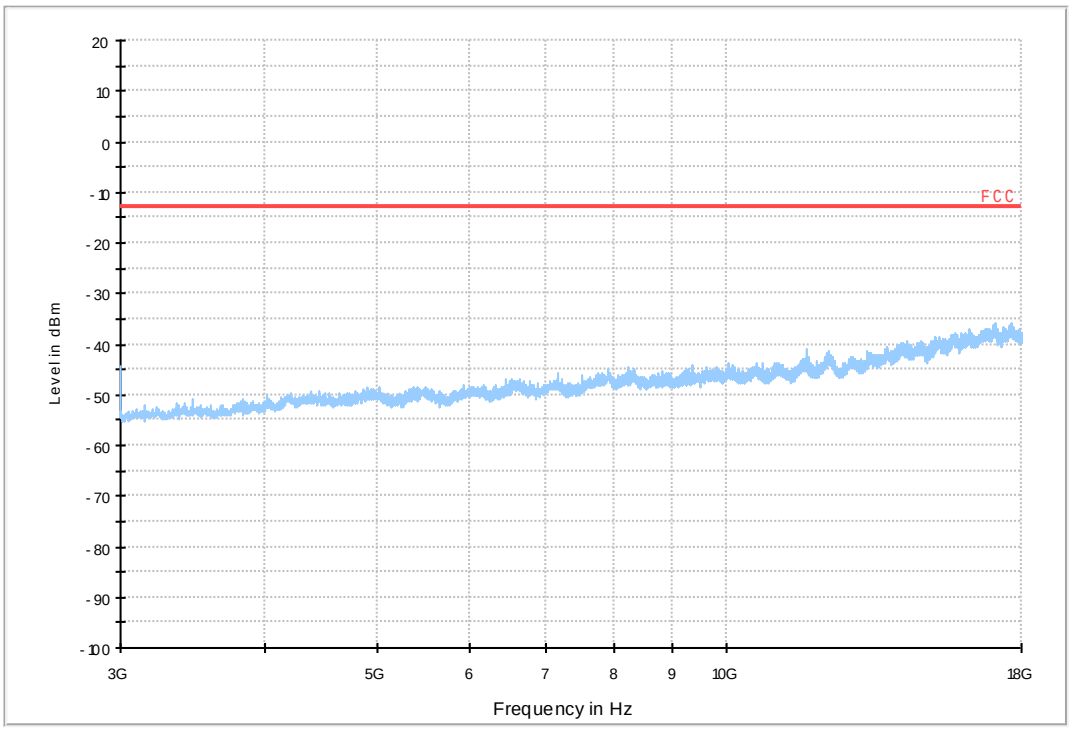
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



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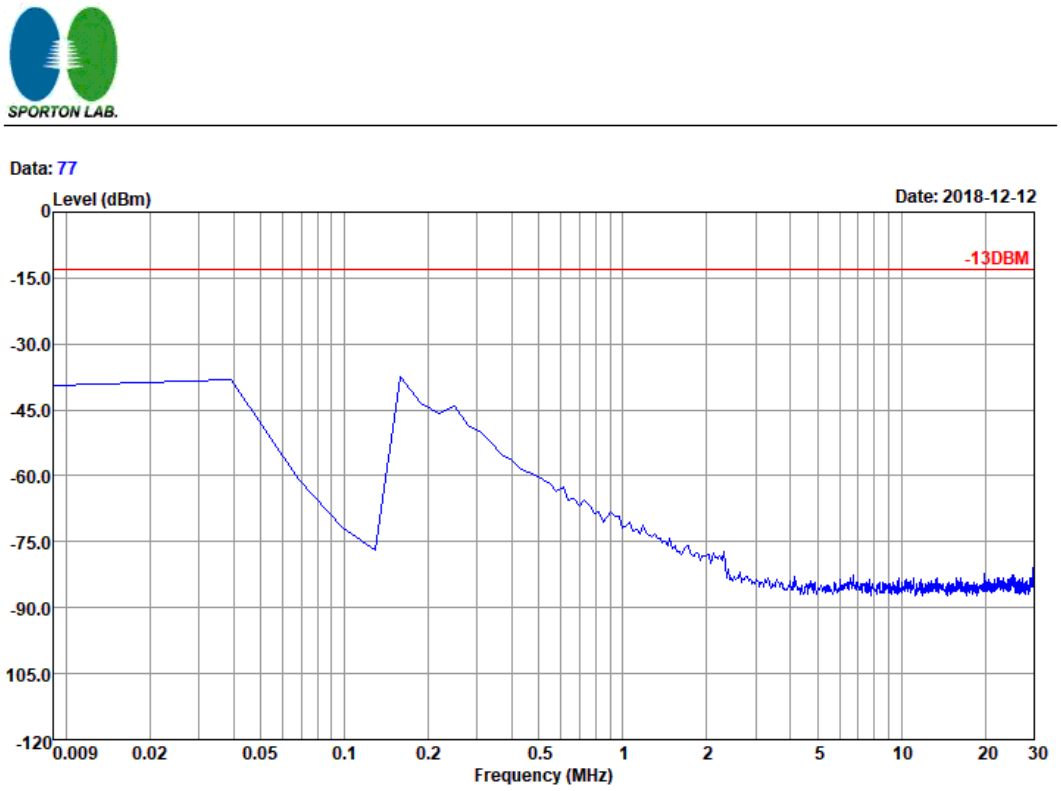
7.1.2.2 Test Bandwidth = 10



Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

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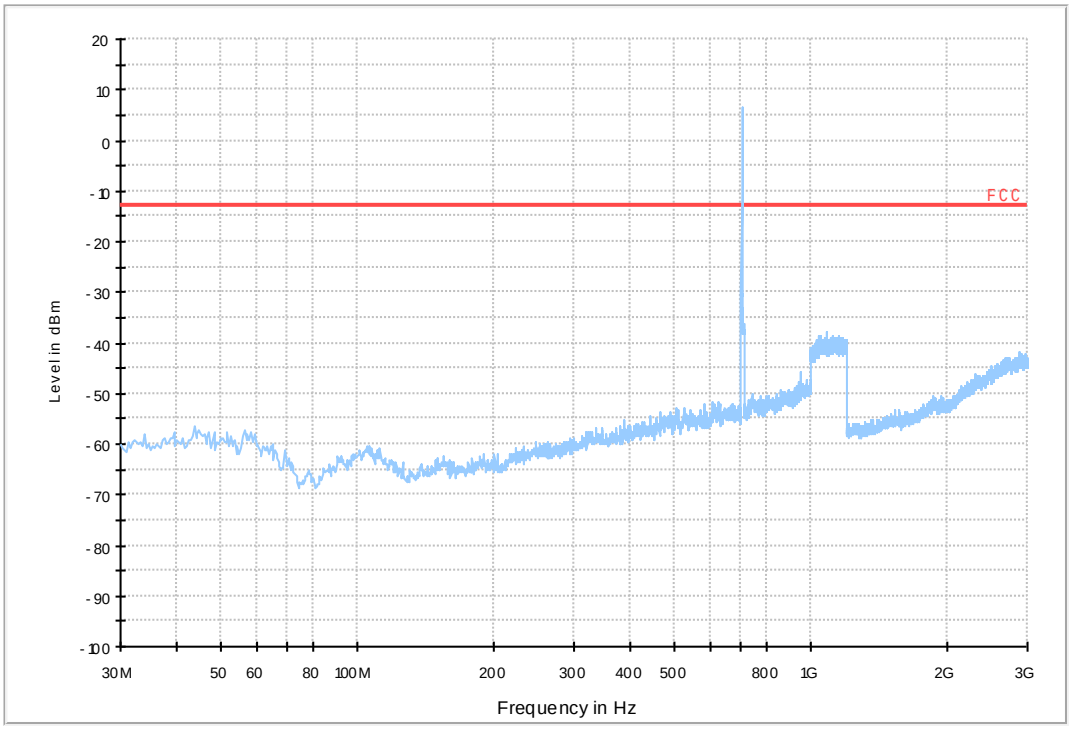
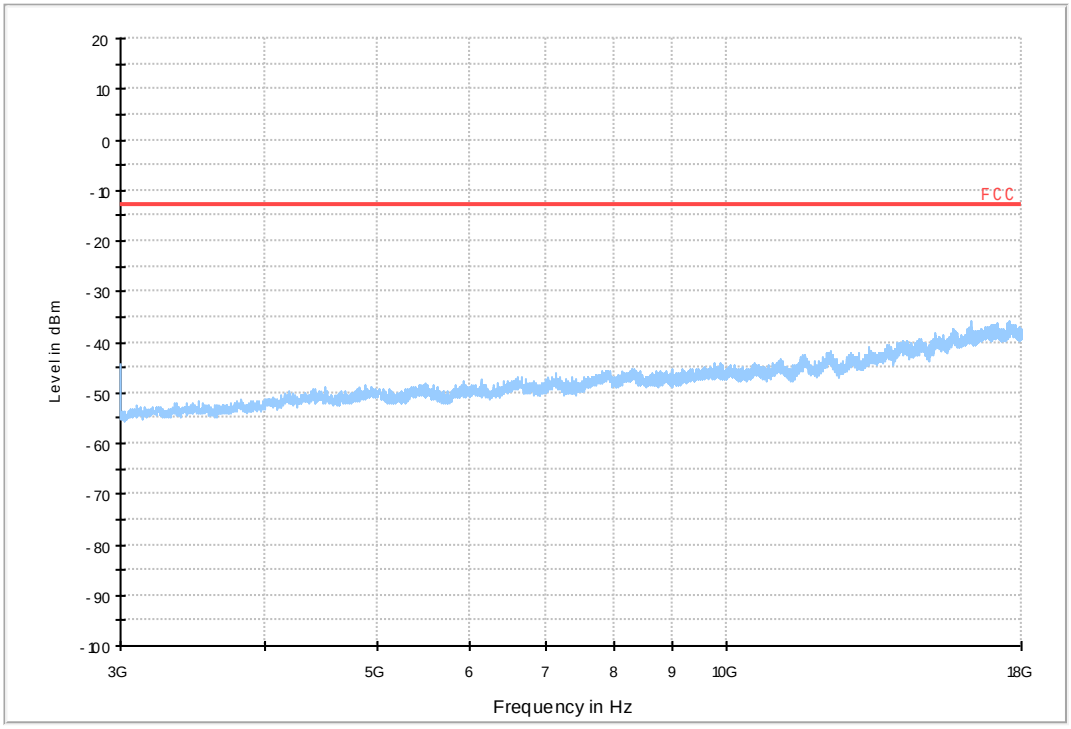
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



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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
Band12	LTE/TM1	1.4	LCH	TN	VL	-0.70095	-0.00100	PASS
					VN	-9.78470	-0.01398	PASS
					VH	-1.43051	-0.00204	PASS
			MCH	TN	VL	-1.27316	-0.00180	PASS
					VN	-2.00272	-0.00283	PASS
					VH	0.70095	0.00099	PASS
			HCH	TN	VL	0.87261	0.00122	PASS
					VN	1.02997	0.00144	PASS
					VH	-1.11580	-0.00156	PASS
		3	LCH	TN	VL	-4.29153	-0.00613	PASS
					VN	5.62191	0.00803	PASS
					VH	0.98705	0.00141	PASS
			MCH	TN	VL	1.54495	0.00218	PASS
					VN	1.04427	0.00148	PASS
					VH	2.74658	0.00388	PASS
			HCH	TN	VL	-2.67506	-0.00374	PASS
					VN	6.76632	0.00947	PASS
					VH	-0.28610	-0.00040	PASS
		5	LCH	TN	VL	1.41621	0.00202	PASS
					VN	-2.27451	-0.00324	PASS
					VH	2.28882	0.00326	PASS
			MCH	TN	VL	2.54631	0.00360	PASS
					VN	-1.02997	-0.00146	PASS
					VH	-5.79357	-0.00819	PASS
			HCH	TN	VL	-0.02861	-0.00004	PASS
					VN	-8.62598	-0.01209	PASS
					VH	-1.94550	-0.00273	PASS
		10	LCH	TN	VL	0.25749	0.00037	PASS
					VN	-0.31471	-0.00045	PASS
					VH	1.67370	0.00238	PASS
			MCH	TN	VL	-5.13554	-0.00726	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-0.88692	-0.00125	PASS
					VH	0.41485	0.00059	PASS
			HCH	TN	VL	7.71046	0.01084	PASS
					VN	3.96252	0.00557	PASS
					VH	6.82354	0.00960	PASS
	LTE/TM2	1.4	LCH	TN	VL	-4.34875	-0.00622	PASS
					VN	-7.15256	-0.01022	PASS
					VH	1.63078	0.00233	PASS
			MCH	TN	VL	2.94685	0.00417	PASS
					VN	3.10421	0.00439	PASS
					VH	0.04292	0.00006	PASS
			HCH	TN	VL	7.16686	0.01002	PASS
					VN	-6.12259	-0.00856	PASS
					VH	1.77383	0.00248	PASS
		3	LCH	TN	VL	3.39031	0.00484	PASS
					VN	0.05722	0.00008	PASS
					VH	-0.81539	-0.00116	PASS
			MCH	TN	VL	0.51498	0.00073	PASS
					VN	-0.61512	-0.00087	PASS
					VH	0.24319	0.00034	PASS
			HCH	TN	VL	-1.87397	-0.00262	PASS
					VN	-4.69208	-0.00657	PASS
					VH	-1.35899	-0.00190	PASS
		5	LCH	TN	VL	5.30720	0.00757	PASS
					VN	2.10285	0.00300	PASS
					VH	2.05994	0.00294	PASS
			MCH	TN	VL	-6.69479	-0.00946	PASS
					VN	-3.53336	-0.00499	PASS
					VH	1.57356	0.00222	PASS
			HCH	TN	VL	1.41621	0.00198	PASS
					VN	2.98977	0.00419	PASS
					VH	1.77383	0.00249	PASS
		10	LCH	TN	VL	0.85831	0.00122	PASS
					VN	-0.02861	-0.00004	PASS
					VH	0.30041	0.00043	PASS
			MCH	TN	VL	-0.45776	-0.00065	PASS
					VN	0.42915	0.00061	PASS
					VH	0.08583	0.00012	PASS

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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	-6.72340	-0.00946	PASS
					VN	-1.08719	-0.00153	PASS
					VH	-6.05106	-0.00851	PASS

8.1.2Frequency Error vs. Temperature:

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	6.75201	0.00965	PASS
					-20	-2.88963	-0.00413	PASS
					-10	-1.45912	-0.00209	PASS
					0	7.96795	0.01139	PASS
					10	0.01431	0.00002	PASS
					20	-9.78470	-0.01398	PASS
					30	5.45025	0.00779	PASS
					40	8.82626	0.01261	PASS
					50	-1.10149	-0.00157	PASS
			MCH	VN	-30	0.68665	0.00097	PASS
					-20	3.26157	0.00461	PASS
					-10	-8.51154	-0.01203	PASS
					0	1.20163	0.00170	PASS
					10	0.92983	0.00131	PASS
					20	-2.00272	-0.00283	PASS
					30	1.50204	0.00212	PASS
					40	0.12875	0.00018	PASS
					50	7.38144	0.01043	PASS
			HCH	VN	-30	-4.27723	-0.00598	PASS
					-20	5.52177	0.00772	PASS
					-10	-6.20842	-0.00868	PASS
					0	1.21593	0.00170	PASS
					10	-4.33445	-0.00606	PASS
					20	1.02997	0.00144	PASS
					30	-9.88483	-0.01382	PASS
					40	-6.89506	-0.00964	PASS
					50	33.43105	0.04674	PASS
		3	LCH	VN	-30	-1.90258	-0.00272	PASS
					-20	4.86374	0.00694	PASS

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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
					-10	-2.03133	-0.00290	PASS
					0	0.21458	0.00031	PASS
					10	-1.33038	-0.00190	PASS
					20	5.62191	0.00803	PASS
					30	-5.93662	-0.00847	PASS
					40	0.87261	0.00125	PASS
					50	1.58787	0.00227	PASS
			MCH	VN	-30	-5.63621	-0.00797	PASS
					-20	0.90122	0.00127	PASS
					-10	-6.07967	-0.00859	PASS
					0	-4.13418	-0.00584	PASS
					10	1.90258	0.00269	PASS
					20	1.04427	0.00148	PASS
					30	-1.65939	-0.00235	PASS
					40	-1.30177	-0.00184	PASS
					50	1.18732	0.00168	PASS
			HCH	VN	-30	0.64373	0.00090	PASS
					-20	1.40190	0.00196	PASS
					-10	-3.37601	-0.00472	PASS
					0	-0.34332	-0.00048	PASS
					10	1.78814	0.00250	PASS
					20	6.76632	0.00947	PASS
					30	2.17438	0.00304	PASS
					40	-1.90258	-0.00266	PASS
					50	1.95980	0.00274	PASS
		5	LCH	VN	-30	0.84400	0.00120	PASS
					-20	2.74658	0.00392	PASS
					-10	-7.58171	-0.01081	PASS
					0	-4.53472	-0.00646	PASS
					10	-6.96659	-0.00993	PASS
					20	-2.27451	-0.00324	PASS
					30	0.14305	0.00020	PASS
					40	-6.86646	-0.00979	PASS
					50	-0.82970	-0.00118	PASS
			MCH	VN	-30	-3.70503	-0.00524	PASS
					-20	3.00407	0.00425	PASS
					-10	2.00272	0.00283	PASS
					0	1.47343	0.00208	PASS
					10	1.38760	0.00196	PASS

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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
					20	-1.02997	-0.00146	PASS
					30	1.67370	0.00237	PASS
					40	-5.23567	-0.00740	PASS
					50	-0.41485	-0.00059	PASS
			HCH	VN	-30	0.02861	0.00004	PASS
					-20	-2.14577	-0.00301	PASS
					-10	-4.19140	-0.00587	PASS
					0	0.10014	0.00014	PASS
					10	4.30584	0.00603	PASS
					20	-8.62598	-0.01209	PASS
					30	-2.17438	-0.00305	PASS
					40	-8.33988	-0.01169	PASS
					50	-2.18868	-0.00307	PASS
		10	LCH	VN	-30	-0.22888	-0.00033	PASS
					-20	1.55926	0.00221	PASS
					-10	1.78814	0.00254	PASS
					0	4.40597	0.00626	PASS
					10	0.31471	0.00045	PASS
					20	-0.31471	-0.00045	PASS
					30	4.03404	0.00573	PASS
					40	1.01566	0.00144	PASS
					50	-5.17845	-0.00736	PASS
			MCH	VN	-30	0.04292	0.00006	PASS
					-20	1.61648	0.00228	PASS
					-10	-2.96116	-0.00419	PASS
					0	-0.48637	-0.00069	PASS
					10	0.60081	0.00085	PASS
					20	-0.88692	-0.00125	PASS
					30	-6.70910	-0.00948	PASS
					40	-4.77791	-0.00675	PASS
					50	-4.44889	-0.00629	PASS
			HCH	VN	-30	-1.60217	-0.00225	PASS
					-20	0.07153	0.00010	PASS
					-10	0.81539	0.00115	PASS
					0	-8.26836	-0.01163	PASS
					10	-5.30720	-0.00746	PASS
					20	3.96252	0.00557	PASS
					30	4.00543	0.00563	PASS
					40	1.02997	0.00145	PASS

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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
					50	-3.74794	-0.00527	PASS
	LTE/TM2	1.4	LCH	VN	-30	3.13282	0.00448	PASS
					-20	-3.26157	-0.00466	PASS
					-10	-0.40054	-0.00057	PASS
					0	2.71797	0.00388	PASS
					10	5.60761	0.00801	PASS
					20	-7.15256	-0.01022	PASS
					30	16.79420	0.02400	PASS
					40	7.36713	0.01053	PASS
					50	-3.97682	-0.00568	PASS
			MCH	VN	-30	-12.74586	-0.01802	PASS
					-20	-14.63413	-0.02068	PASS
					-10	-5.93662	-0.00839	PASS
					0	6.90937	0.00977	PASS
					10	5.53608	0.00782	PASS
					20	3.10421	0.00439	PASS
					30	7.08103	0.01001	PASS
					40	8.25405	0.01167	PASS
					50	-5.83649	-0.00825	PASS
			HCH	VN	-30	5.99384	0.00838	PASS
					-20	2.90394	0.00406	PASS
					-10	9.54151	0.01334	PASS
					0	-11.35826	-0.01588	PASS
					10	3.44753	0.00482	PASS
					20	-6.12259	-0.00856	PASS
					30	-5.40733	-0.00756	PASS
					40	-4.84943	-0.00678	PASS
					50	7.09534	0.00992	PASS
		3	LCH	VN	-30	-1.31607	-0.00188	PASS
					-20	-3.21865	-0.00459	PASS
					-10	-2.43187	-0.00347	PASS
					0	2.58923	0.00370	PASS
					10	-2.48909	-0.00355	PASS
					20	0.05722	0.00008	PASS
					30	3.61919	0.00517	PASS
					40	-5.40733	-0.00772	PASS

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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
					50	-0.10014	-0.00014	PASS
			MCH	VN	-30	-0.02861	-0.00004	PASS
					-20	-8.33988	-0.01179	PASS
					-10	-0.88692	-0.00125	PASS
					0	-8.09670	-0.01144	PASS
					10	1.20163	0.00170	PASS
					20	-0.61512	-0.00087	PASS
					30	-0.64373	-0.00091	PASS
					40	2.81811	0.00398	PASS
					50	4.67777	0.00661	PASS
			HCH	VN	-30	-1.15871	-0.00162	PASS
					-20	-0.94414	-0.00132	PASS
					-10	0.70095	0.00098	PASS
					0	-2.78950	-0.00390	PASS
					10	3.80516	0.00533	PASS
					20	-4.69208	-0.00657	PASS
					30	4.34875	0.00609	PASS
					40	-2.74658	-0.00384	PASS
					50	-3.91960	-0.00549	PASS
		5	LCH	VN	-30	-2.38895	-0.00341	PASS
					-20	2.74658	0.00392	PASS
					-10	-4.92096	-0.00701	PASS
					0	-2.08855	-0.00298	PASS
					10	1.33038	0.00190	PASS
					20	2.10285	0.00300	PASS
					30	-0.68665	-0.00098	PASS
					40	0.42915	0.00061	PASS
					50	1.45912	0.00208	PASS
			MCH	VN	-30	-1.67370	-0.00237	PASS
					-20	-1.43051	-0.00202	PASS
					-10	-0.30041	-0.00042	PASS
					0	-2.93255	-0.00414	PASS
					10	-0.50068	-0.00071	PASS
					20	-3.53336	-0.00499	PASS
					30	-0.77248	-0.00109	PASS
					40	2.86102	0.00404	PASS
					50	1.34468	0.00190	PASS
			HCH	VN	-30	0.42915	0.00060	PASS
					-20	2.77519	0.00389	PASS

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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
					-10	-5.09262	-0.00714	PASS
					0	1.47343	0.00207	PASS
					10	0.50068	0.00070	PASS
					20	2.98977	0.00419	PASS
					30	2.34604	0.00329	PASS
					40	-2.30312	-0.00323	PASS
					50	6.62327	0.00928	PASS
		10	LCH	VN	-30	-0.34332	-0.00049	PASS
					-20	-1.87397	-0.00266	PASS
					-10	-1.71661	-0.00244	PASS
					0	-5.46455	-0.00776	PASS
					10	-0.32902	-0.00047	PASS
					20	-0.02861	-0.00004	PASS
					30	-1.38760	-0.00197	PASS
					40	-0.12875	-0.00018	PASS
					50	-2.03133	-0.00289	PASS
			MCH	VN	-30	-2.73228	-0.00386	PASS
					-20	-3.39031	-0.00479	PASS
					-10	-1.51634	-0.00214	PASS
					0	-1.48773	-0.00210	PASS
					10	-1.77383	-0.00251	PASS
					20	0.42915	0.00061	PASS
					30	-0.28610	-0.00040	PASS
					40	-1.15871	-0.00164	PASS
					50	-2.16007	-0.00305	PASS
			HCH	VN	-30	-8.95500	-0.01259	PASS
					-20	-0.31471	-0.00044	PASS
					-10	0.97275	0.00137	PASS
					0	0.42915	0.00060	PASS
					10	0.57220	0.00080	PASS
					20	-1.08719	-0.00153	PASS
					30	-0.87261	-0.00123	PASS
					40	-0.35763	-0.00050	PASS
					50	-1.04427	-0.00147	PASS

END

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