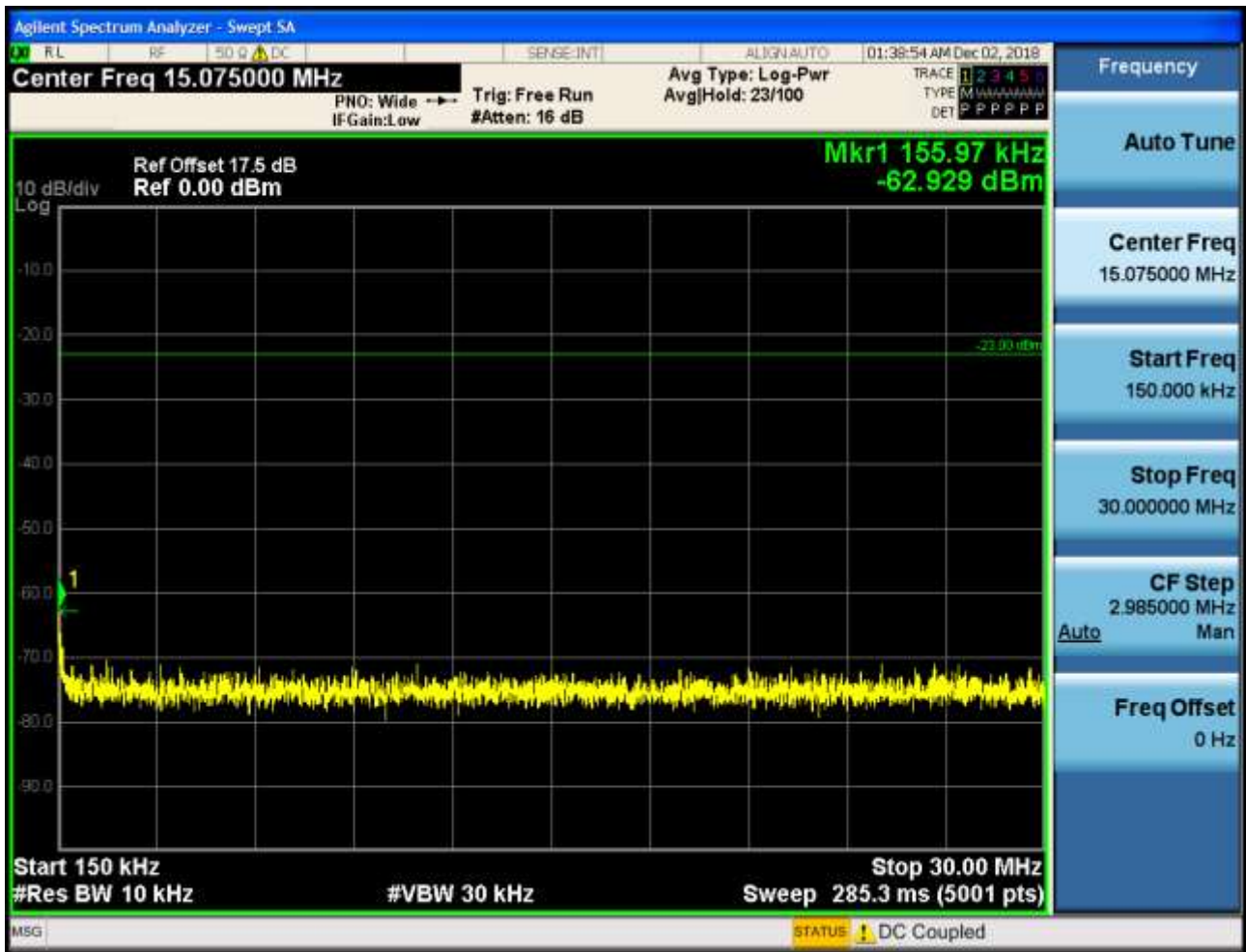
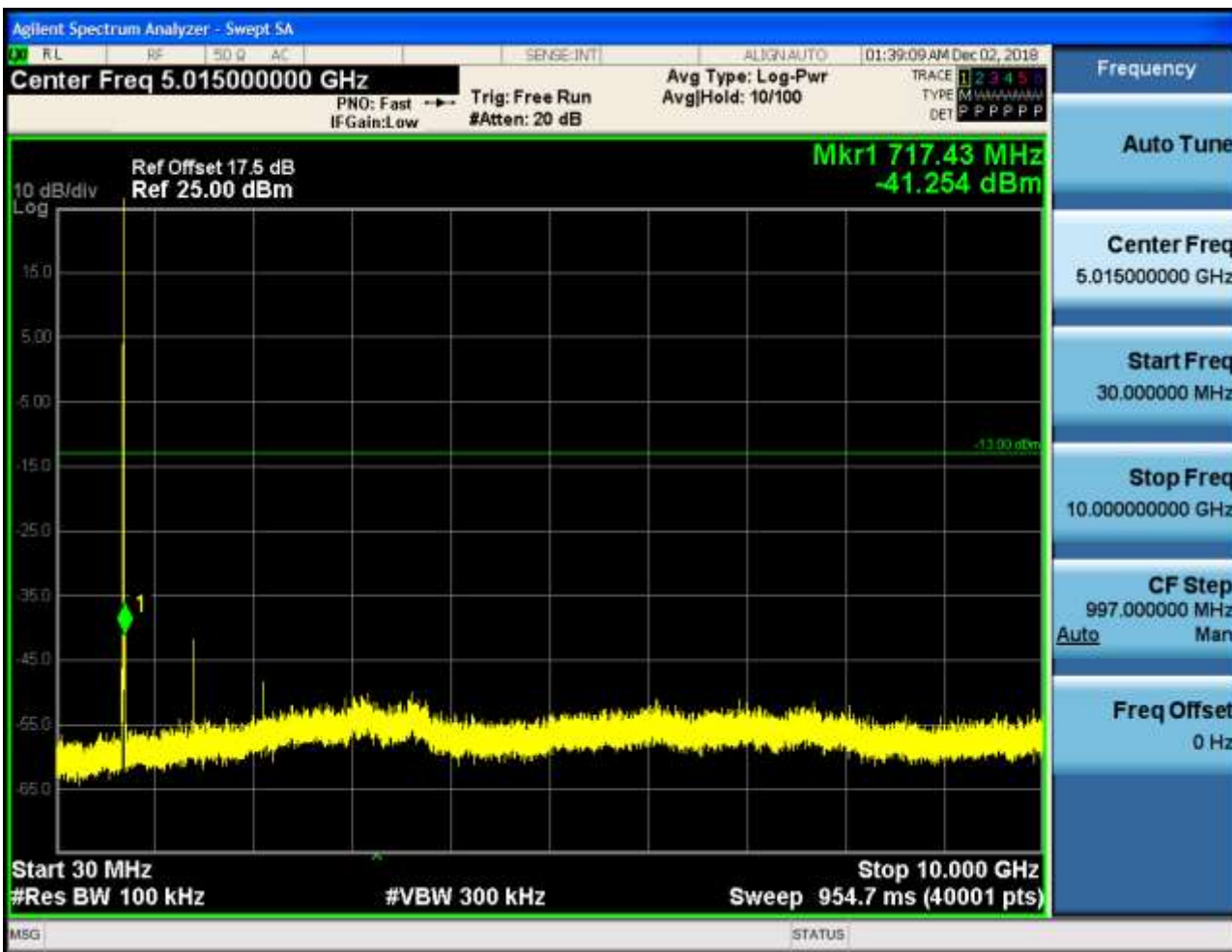


6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0



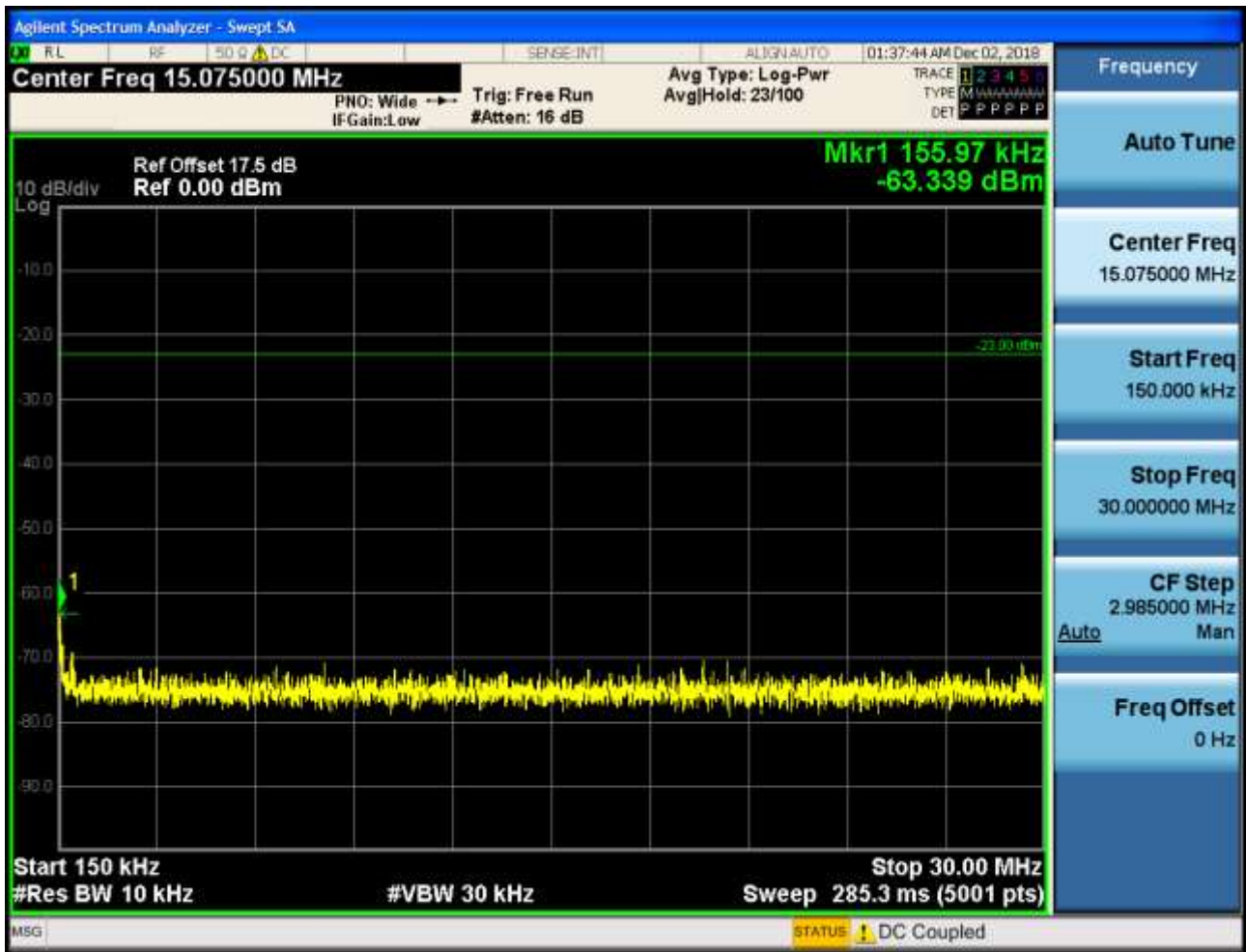


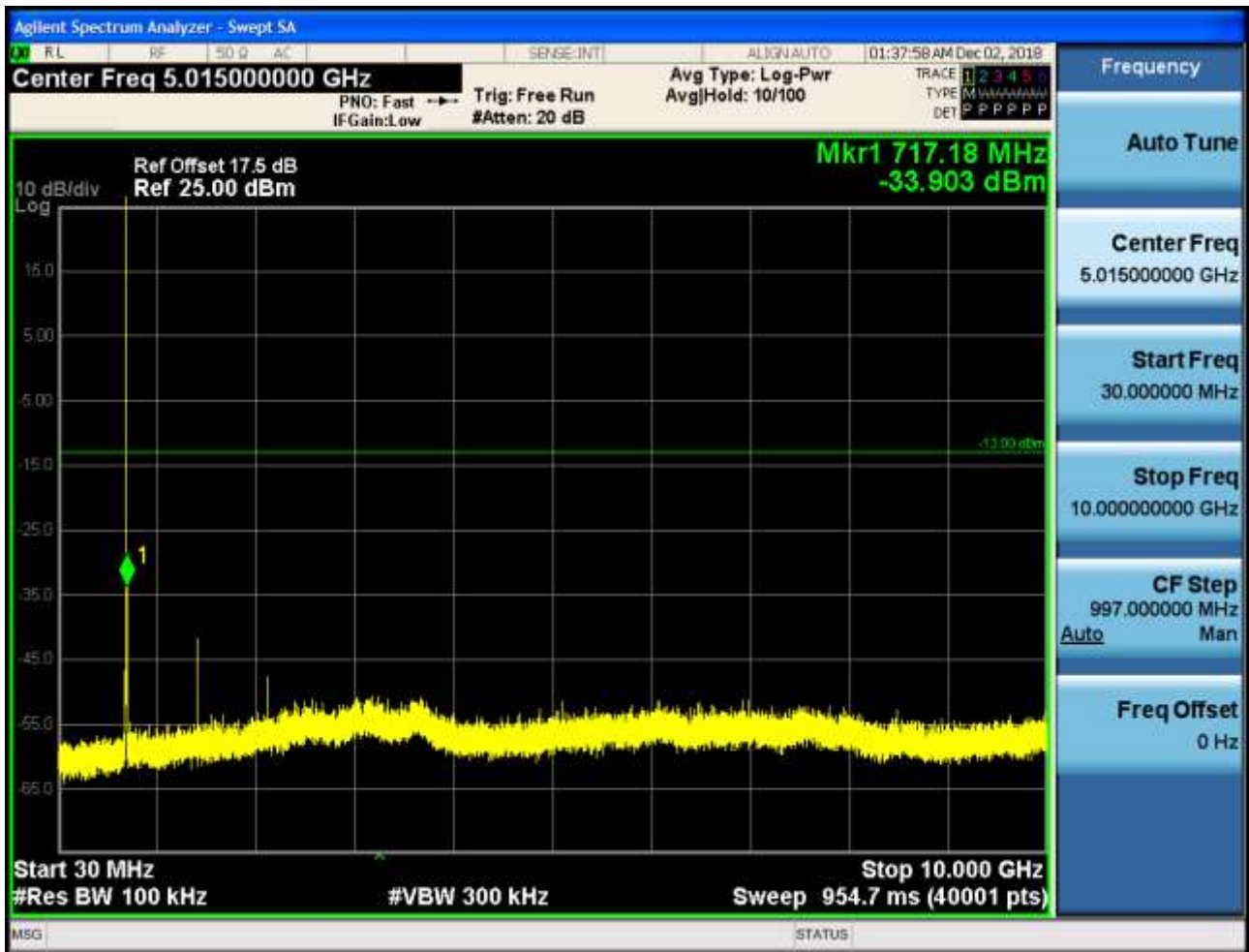


6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0





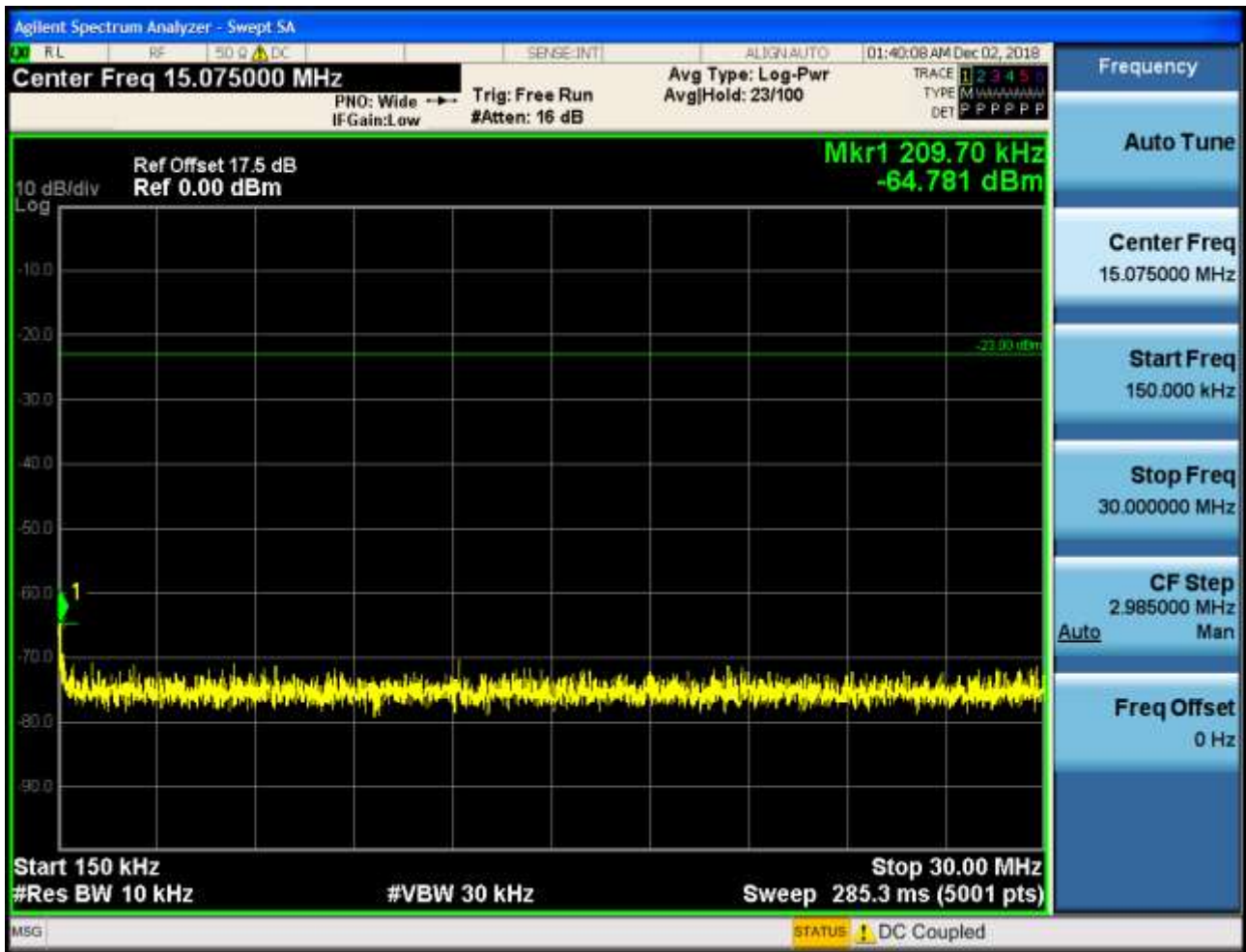


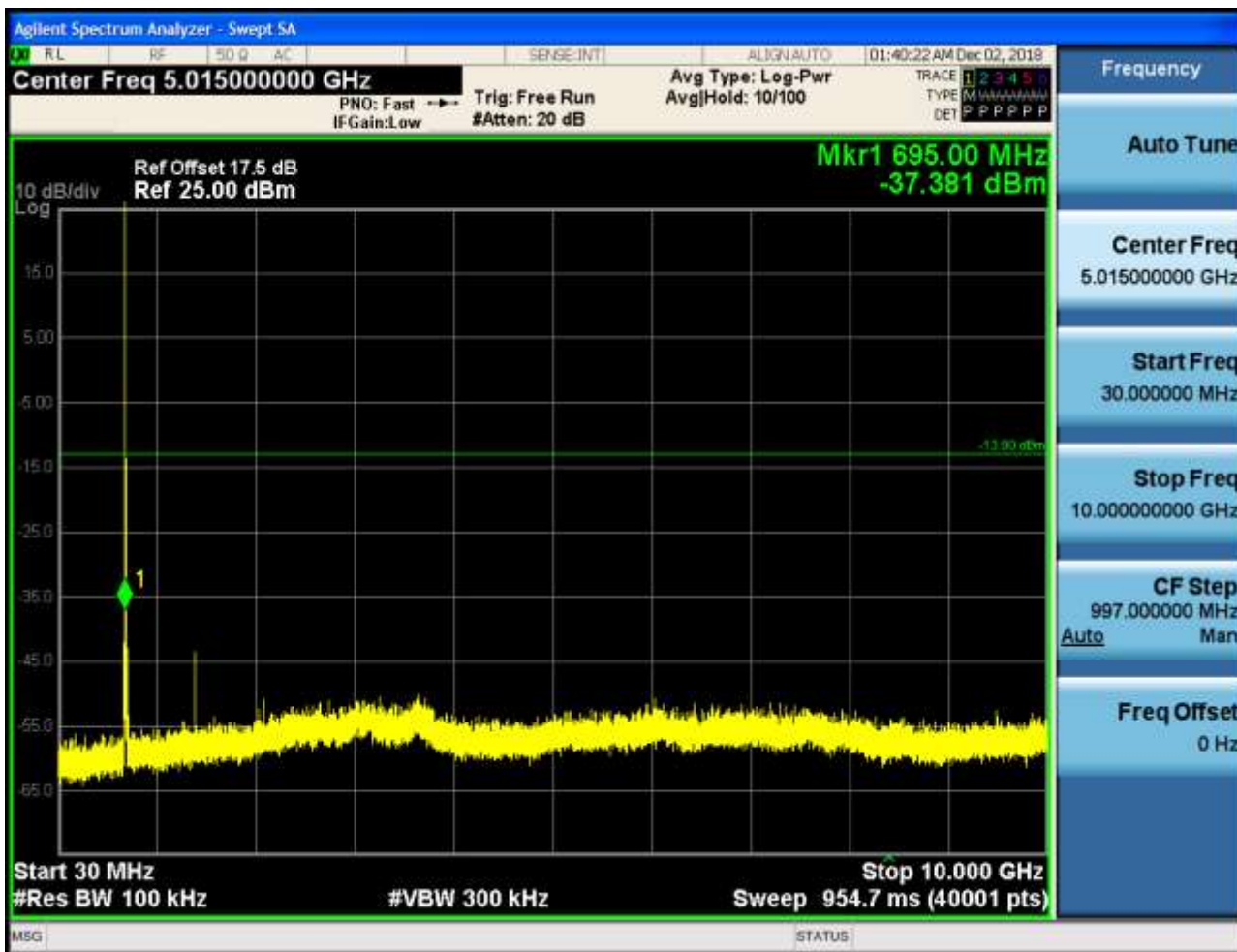
6.2.1.1.4 Test Bandwidth = 10

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0



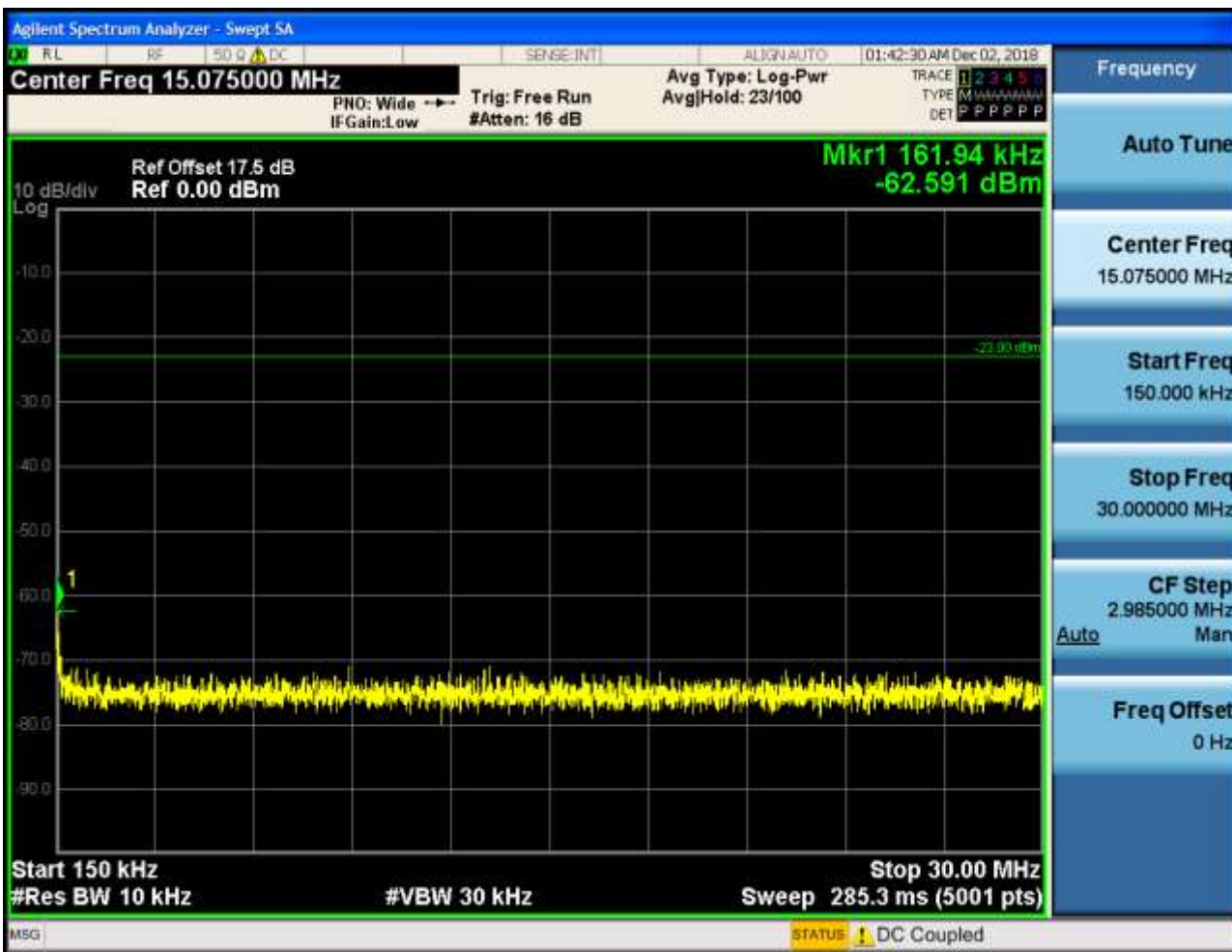


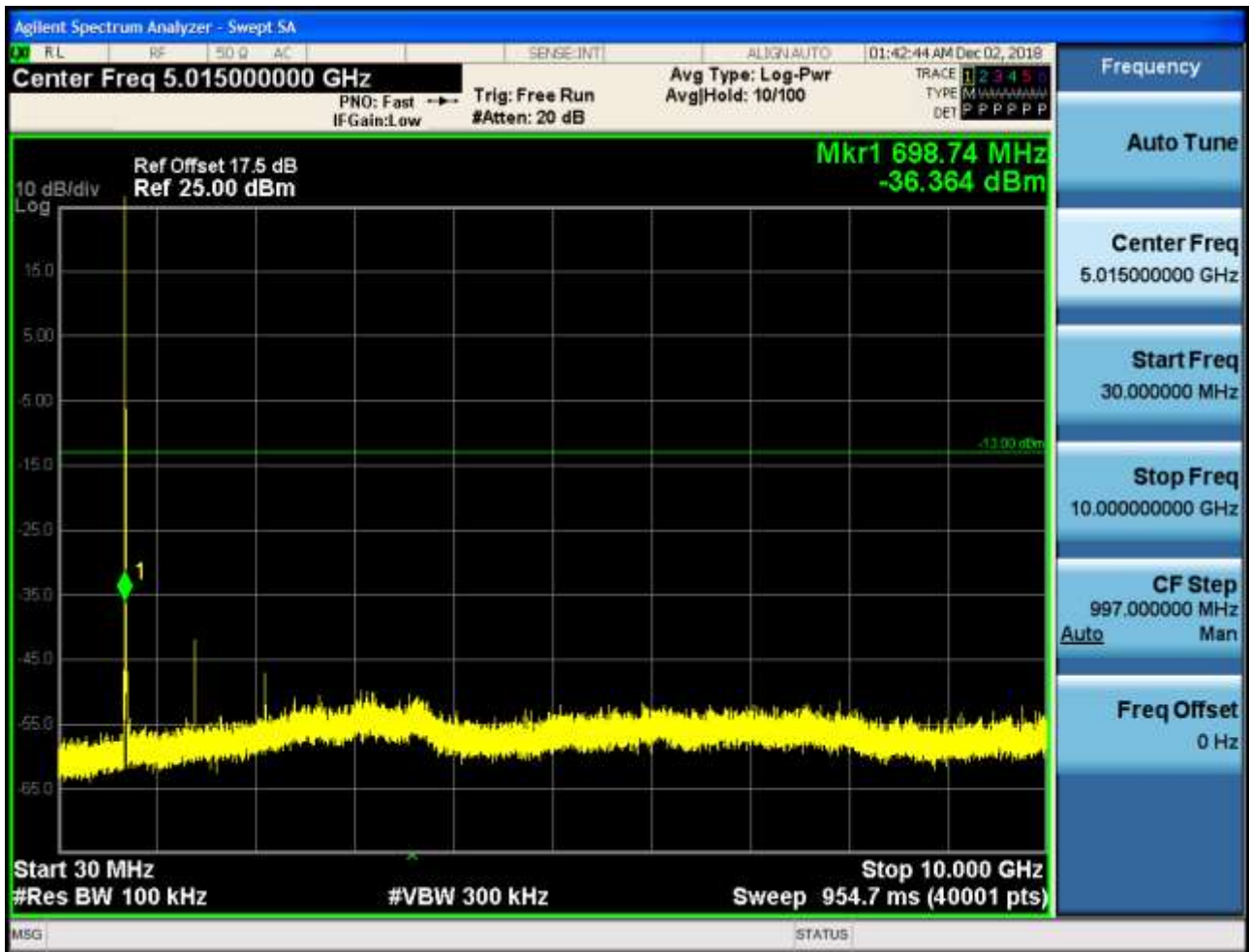


6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0



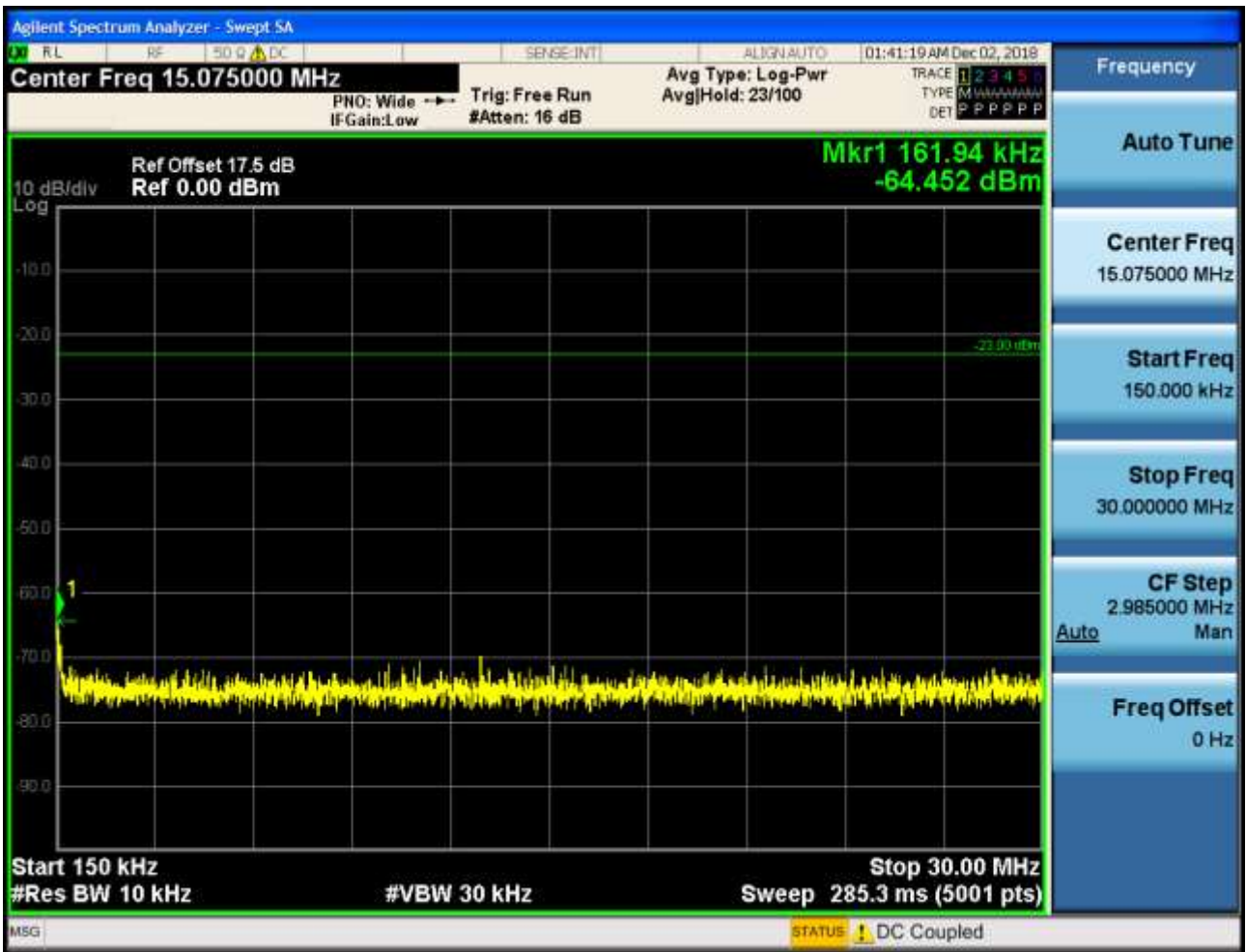


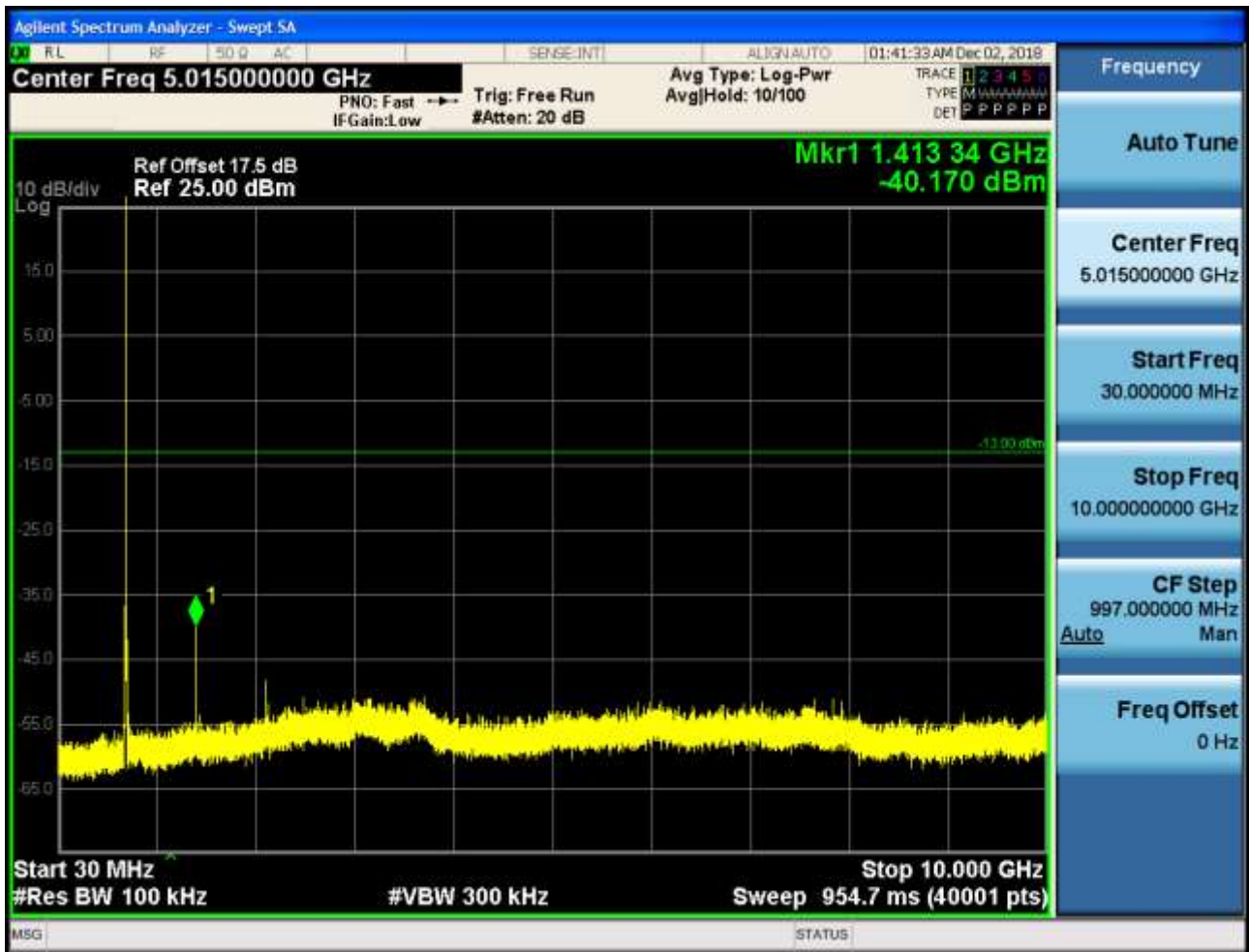


6.2.1.1.4.3 Test Channel = HCH

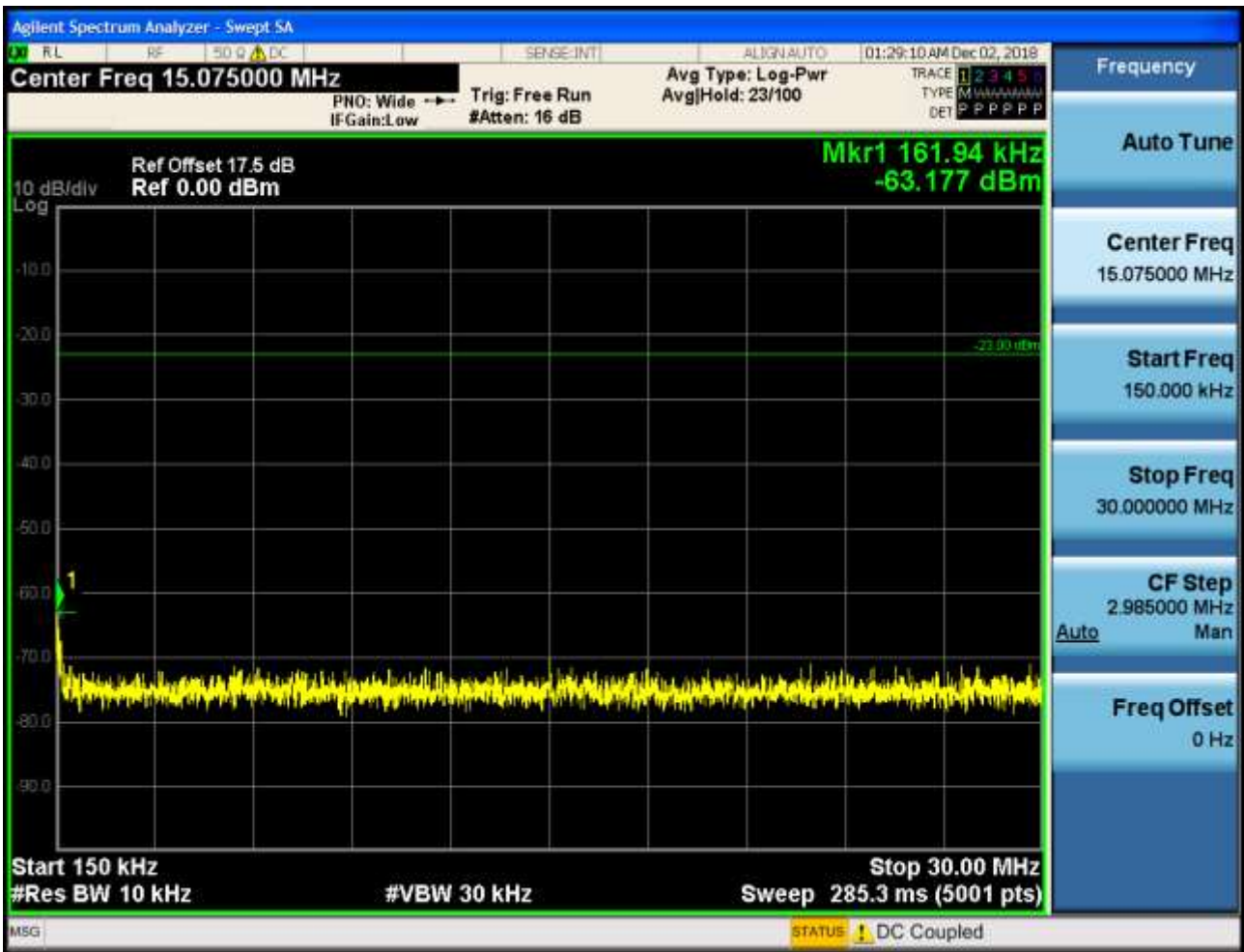
6.2.1.1.4.3.1 Test RB = RB1#0

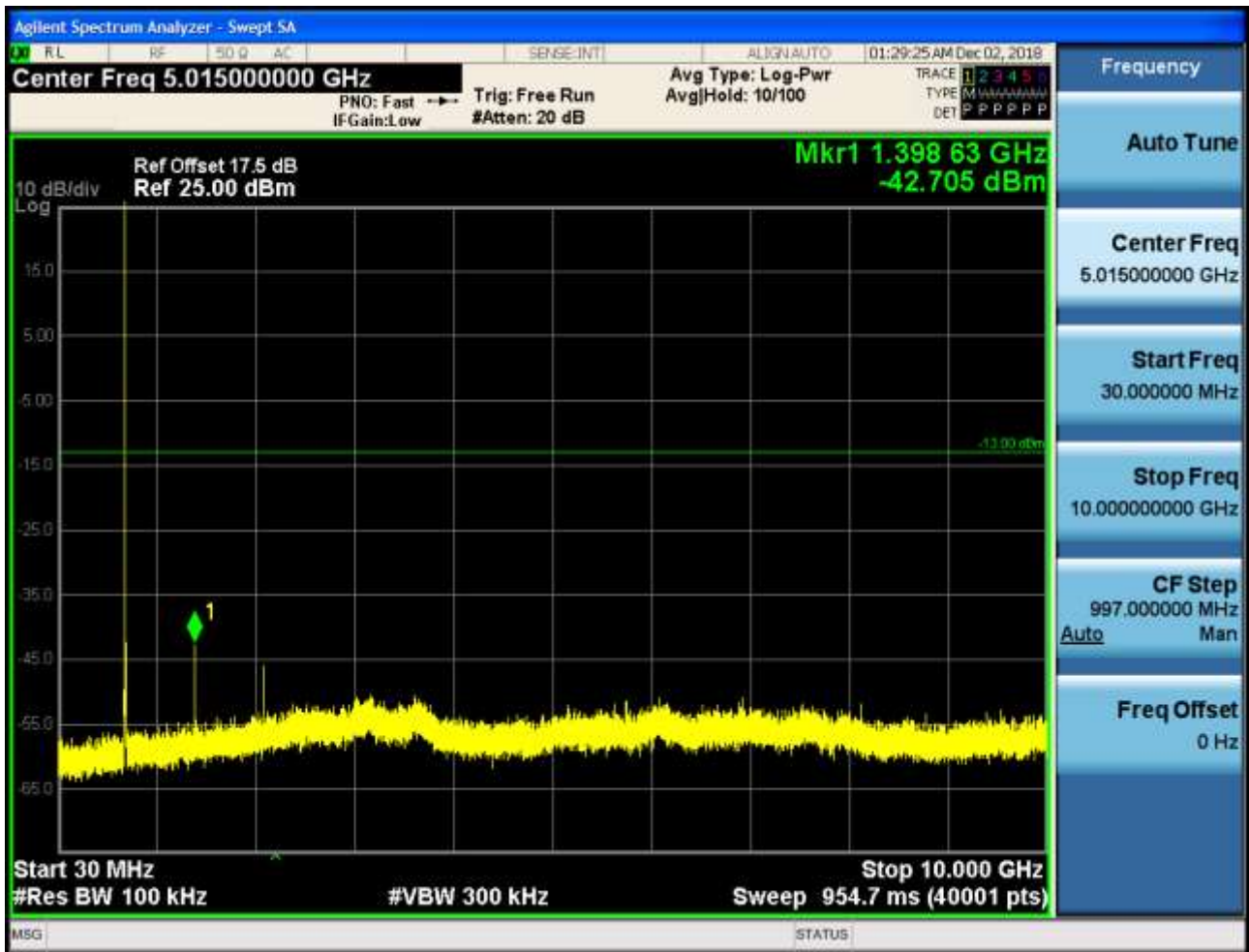






6.2.1.2 Test Mode = LTE/TM2**6.2.1.2.1 Test Bandwidth = 1.4****6.2.1.2.1.1 Test Channel = LCH****6.2.1.2.1.1.1 Test RB = RB1#0**

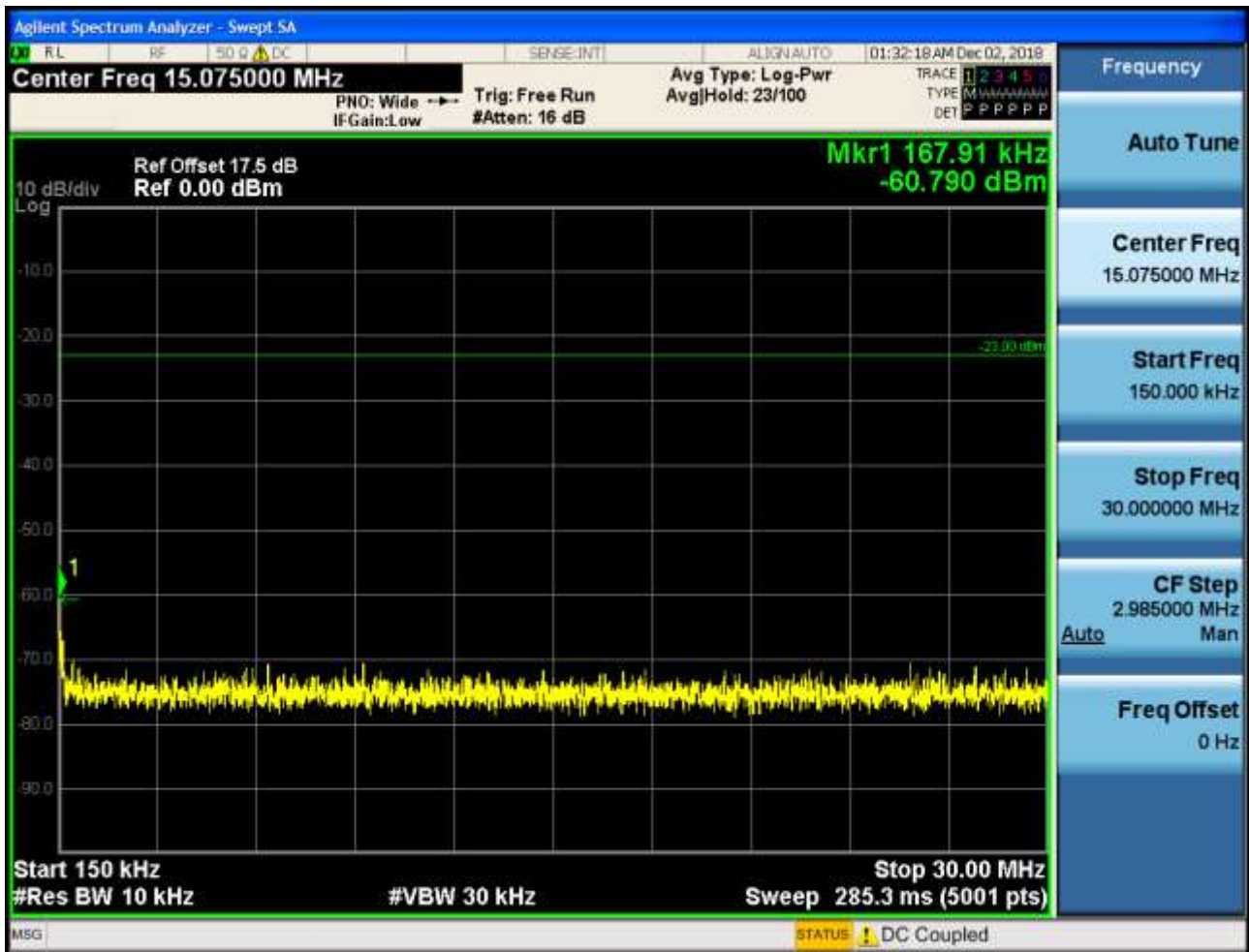


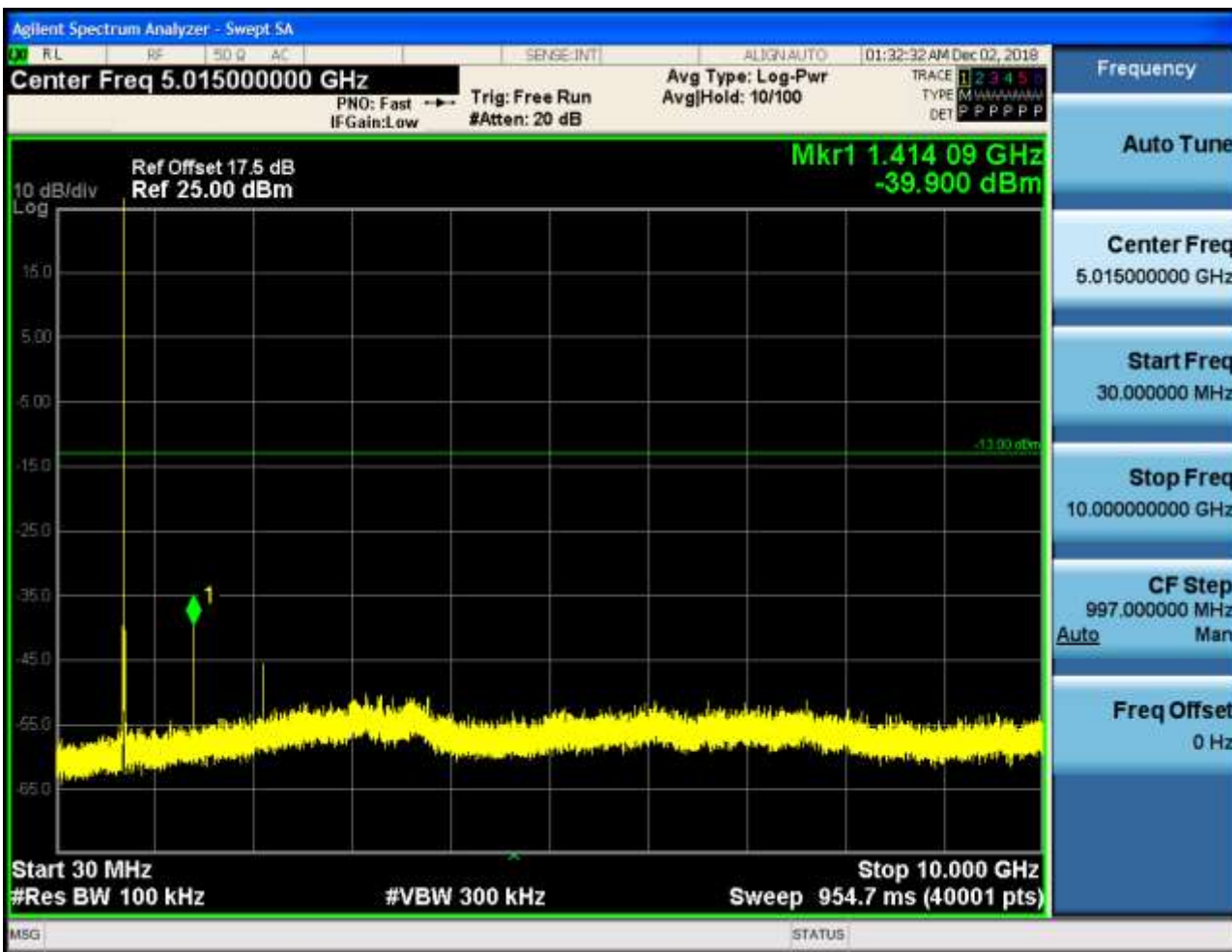


6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0



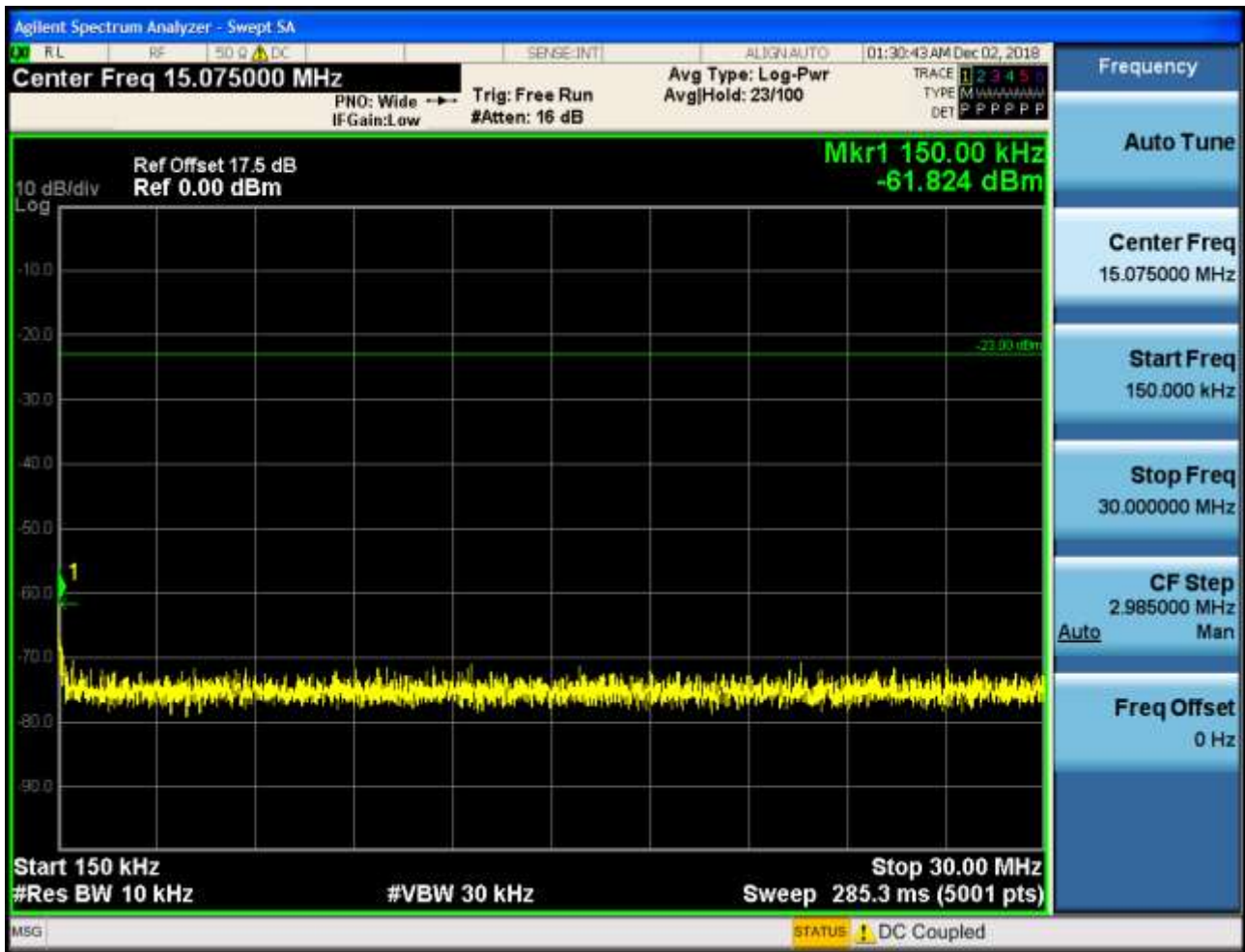


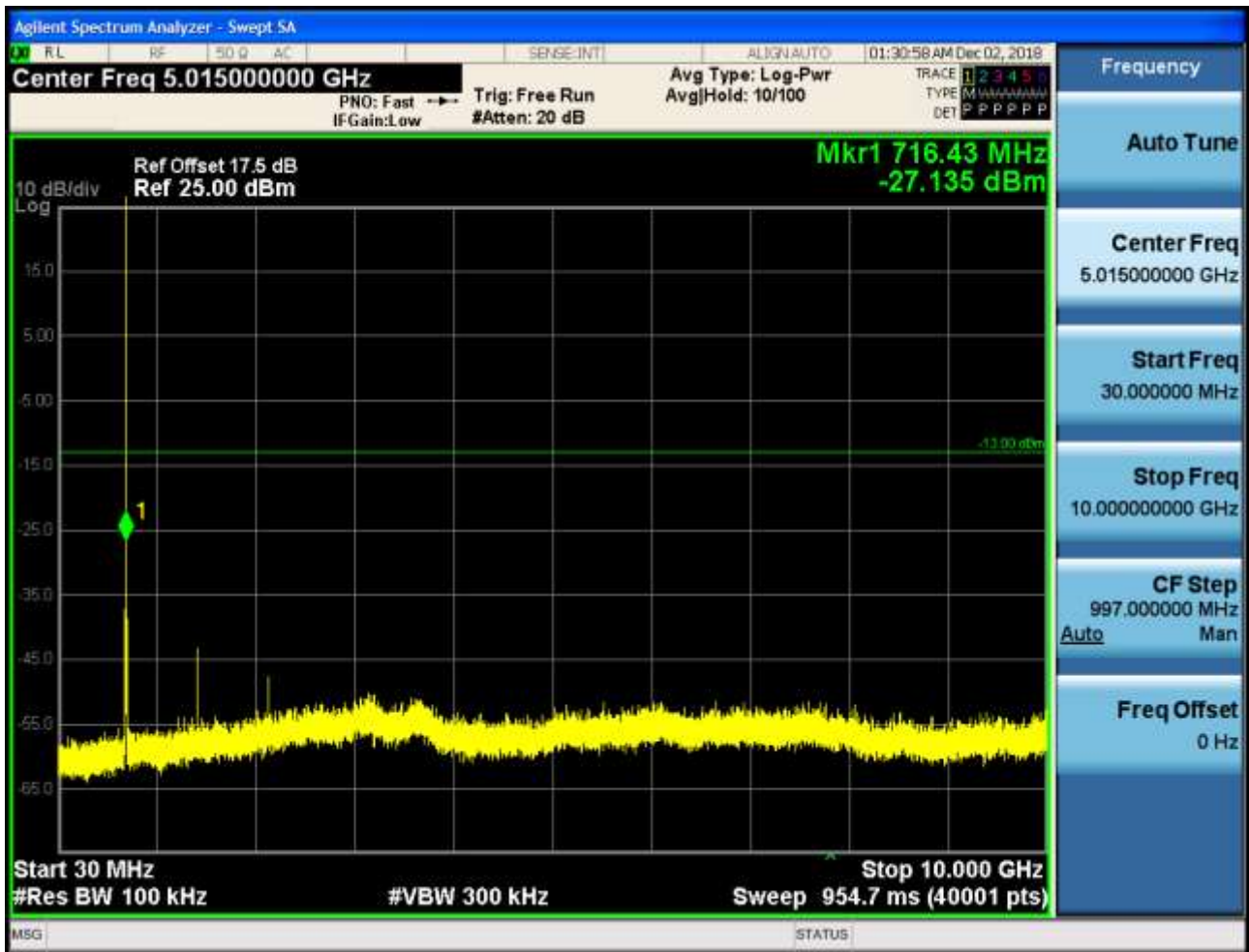


6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0





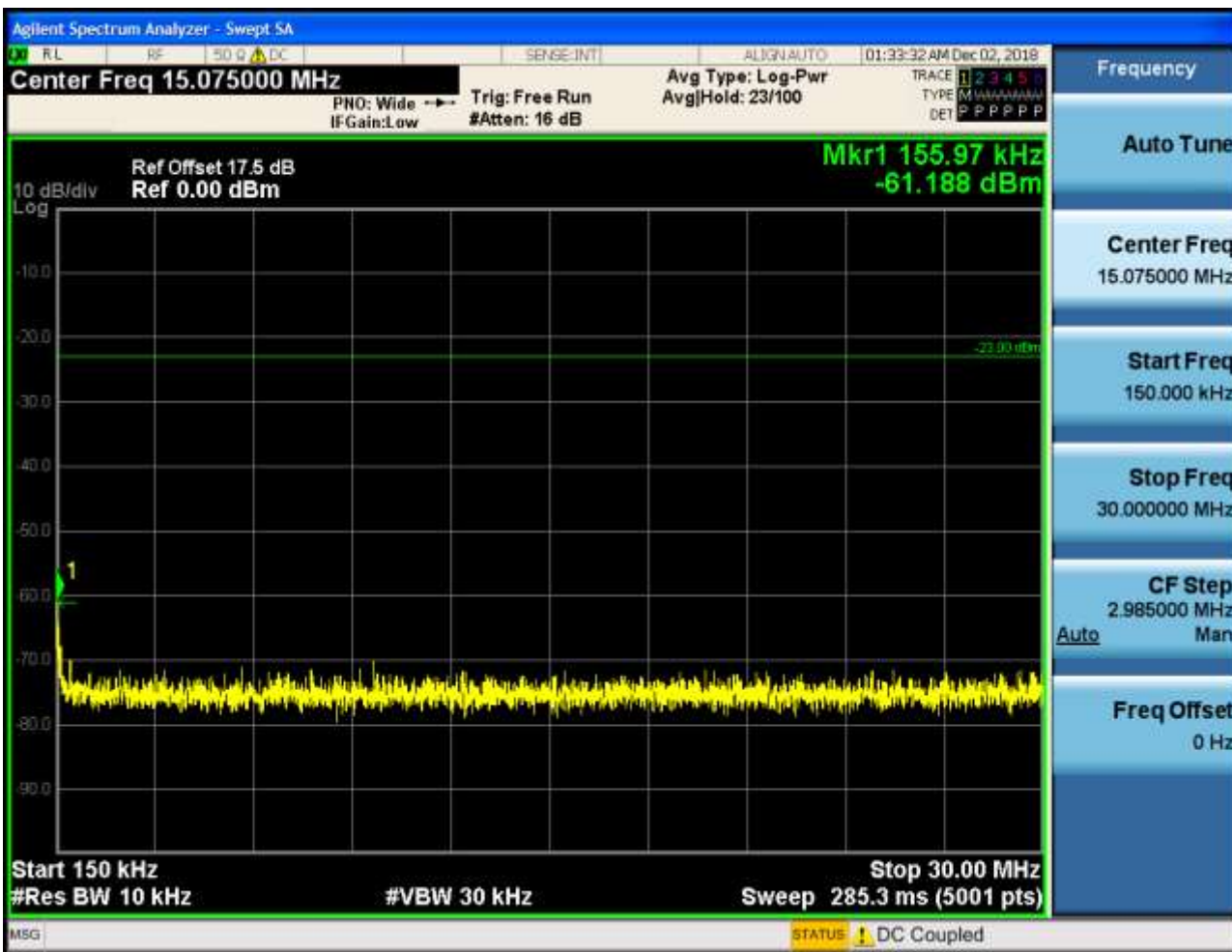


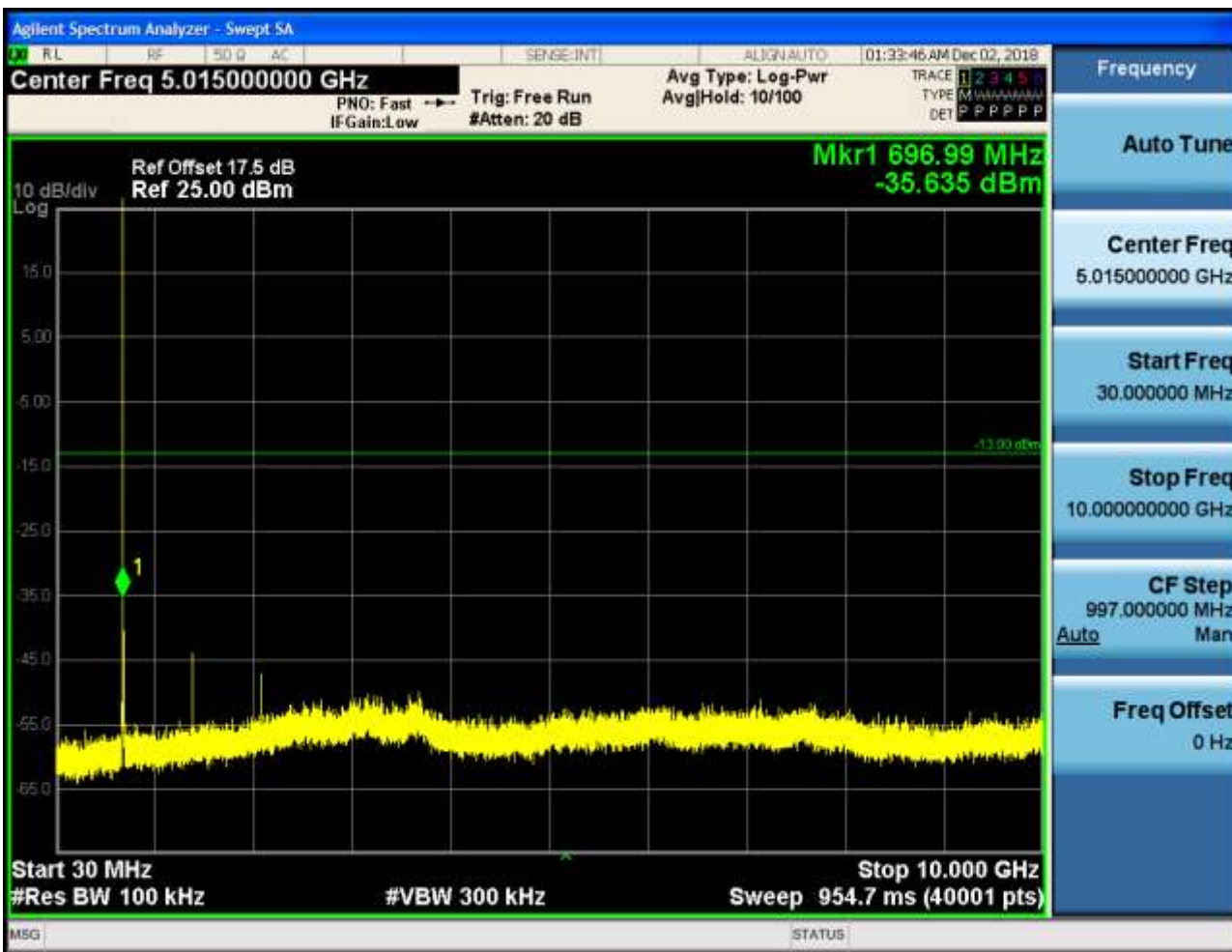
6.2.1.2.2 Test Bandwidth = 3

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0



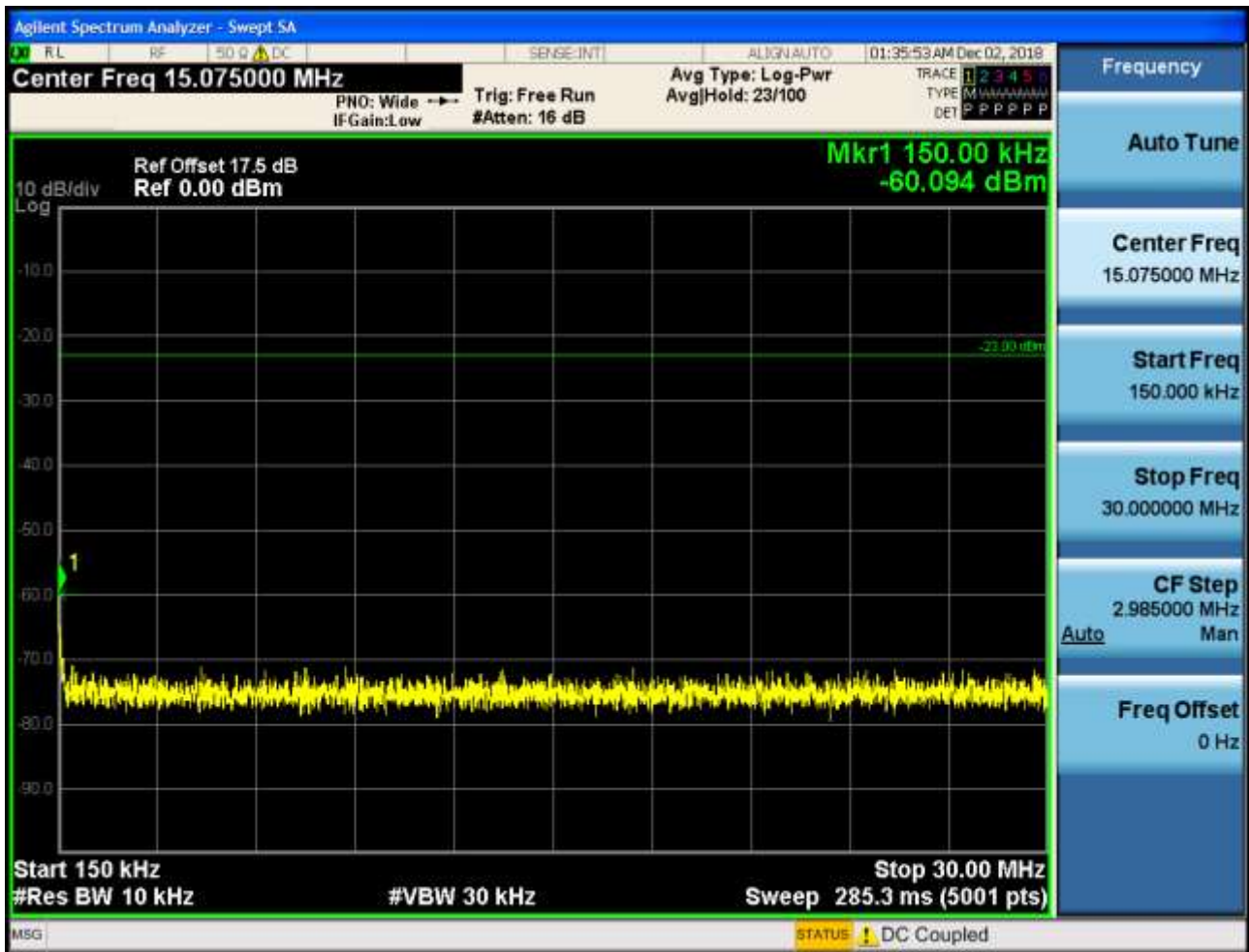


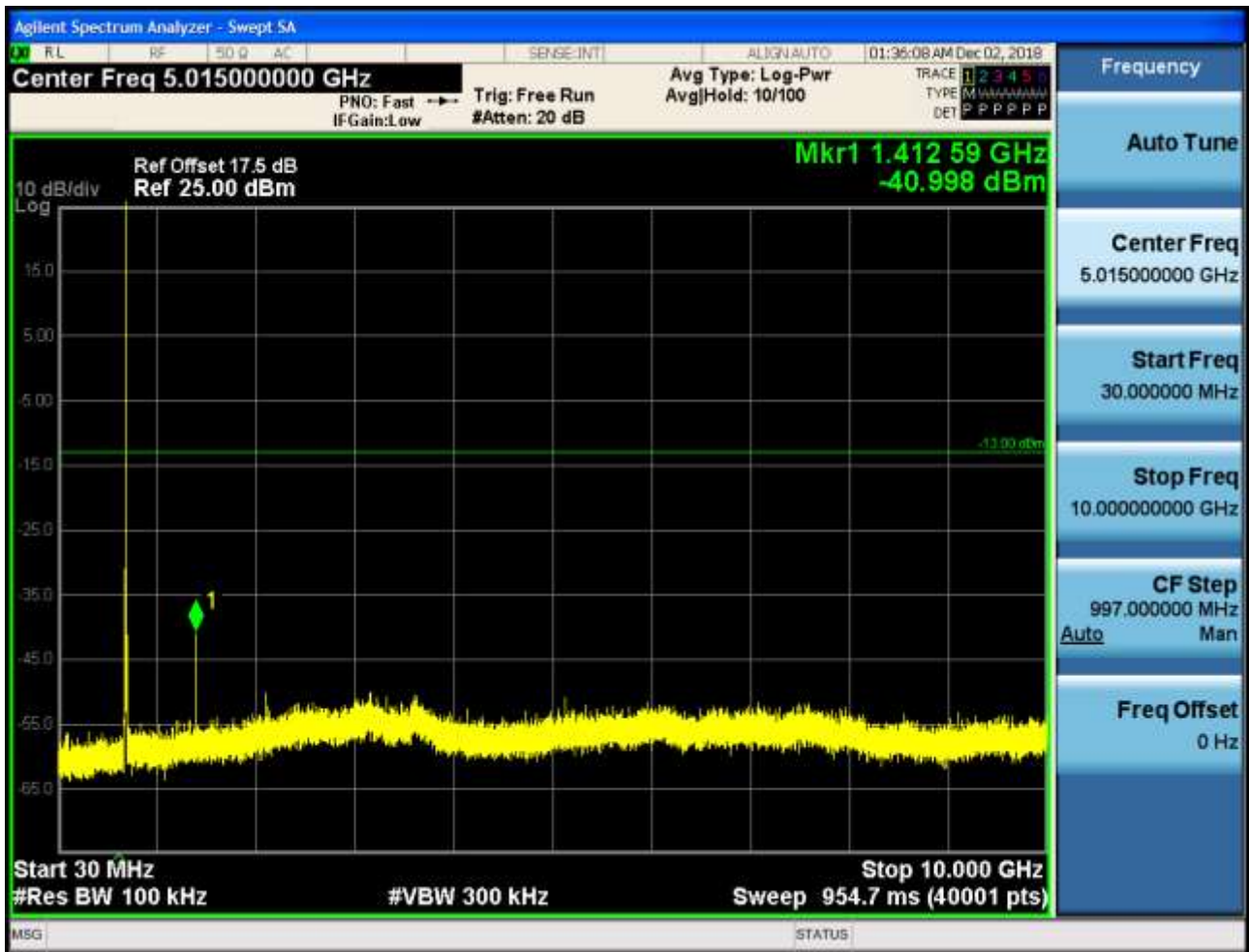


6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.1 Test RB = RB1#0



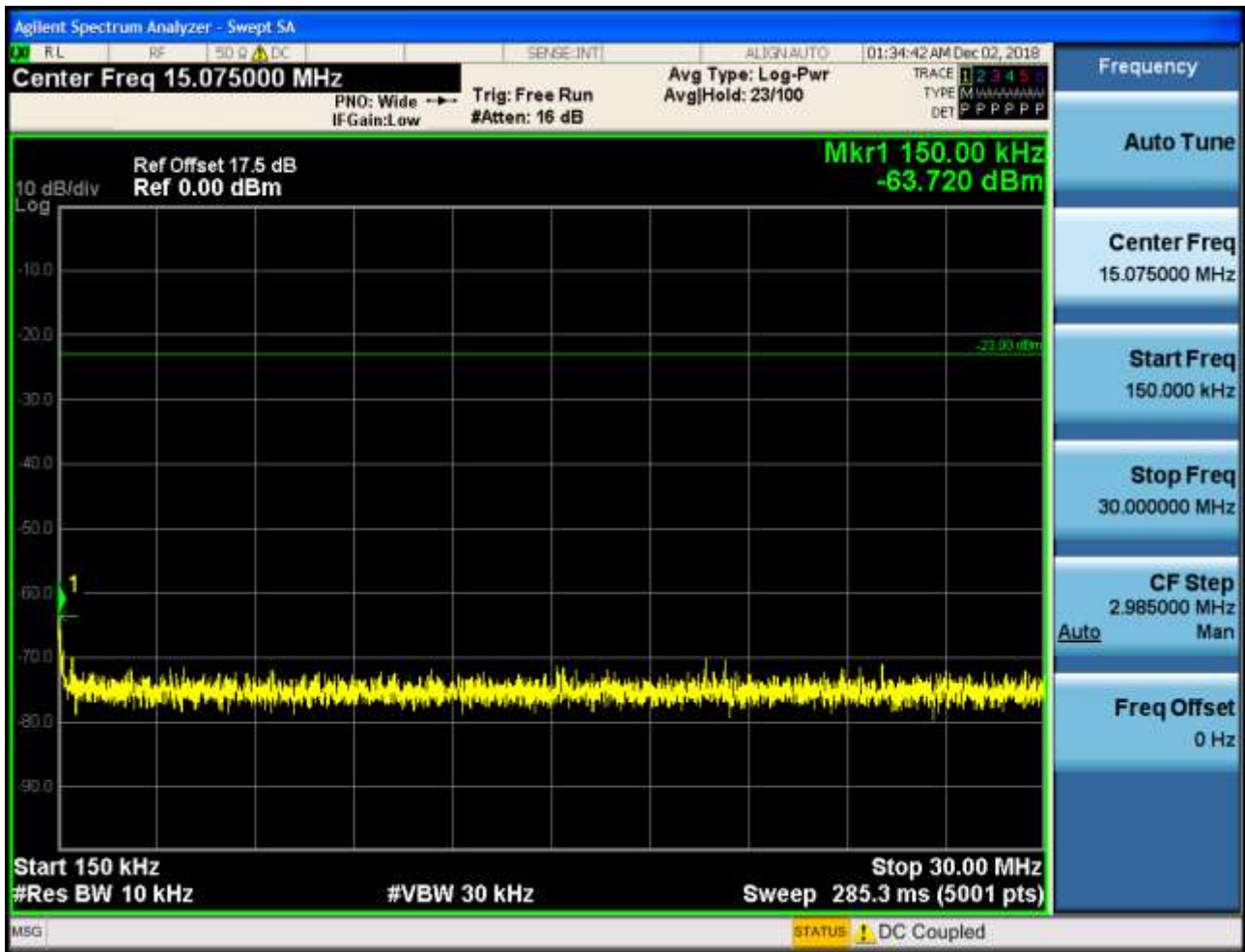


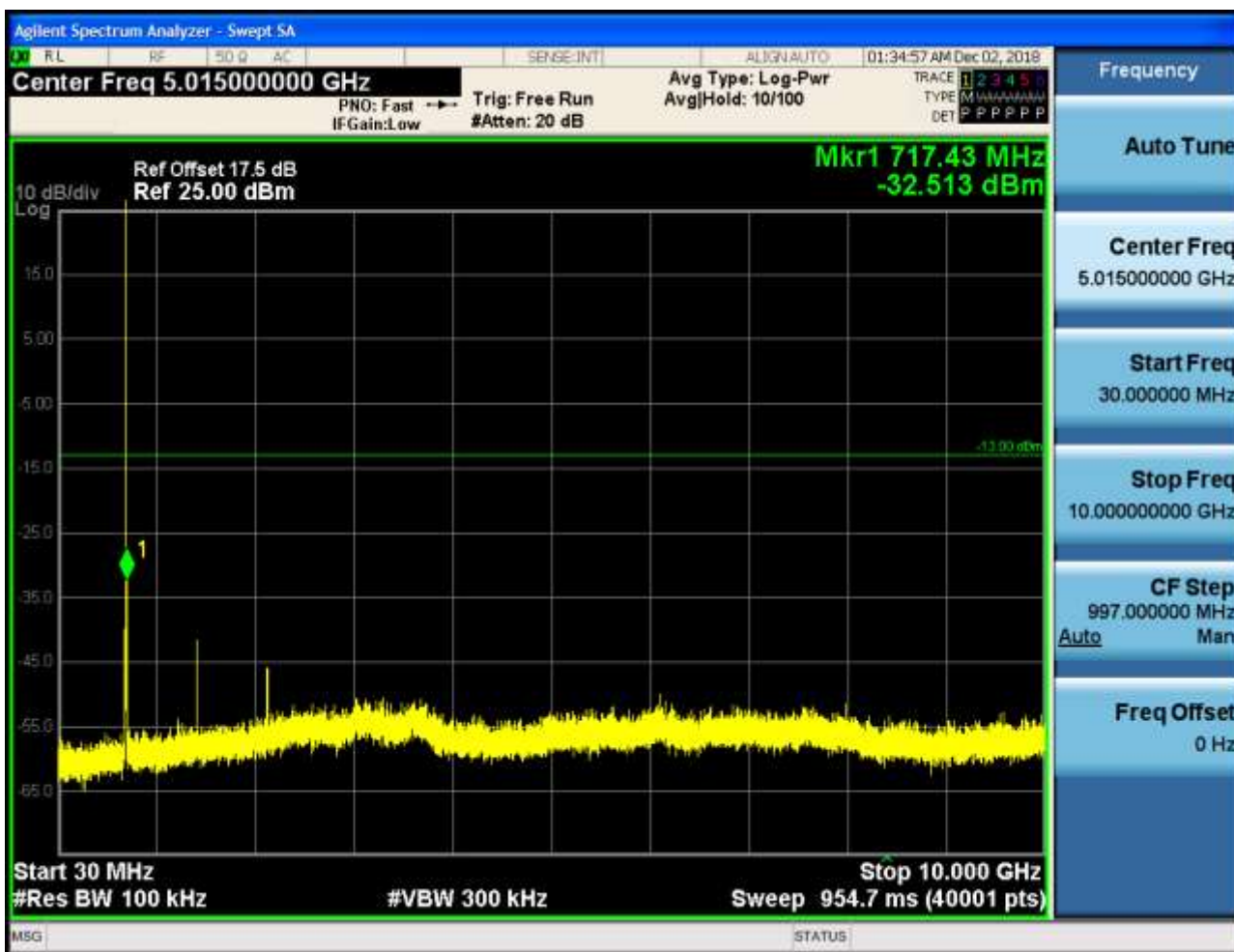


6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0





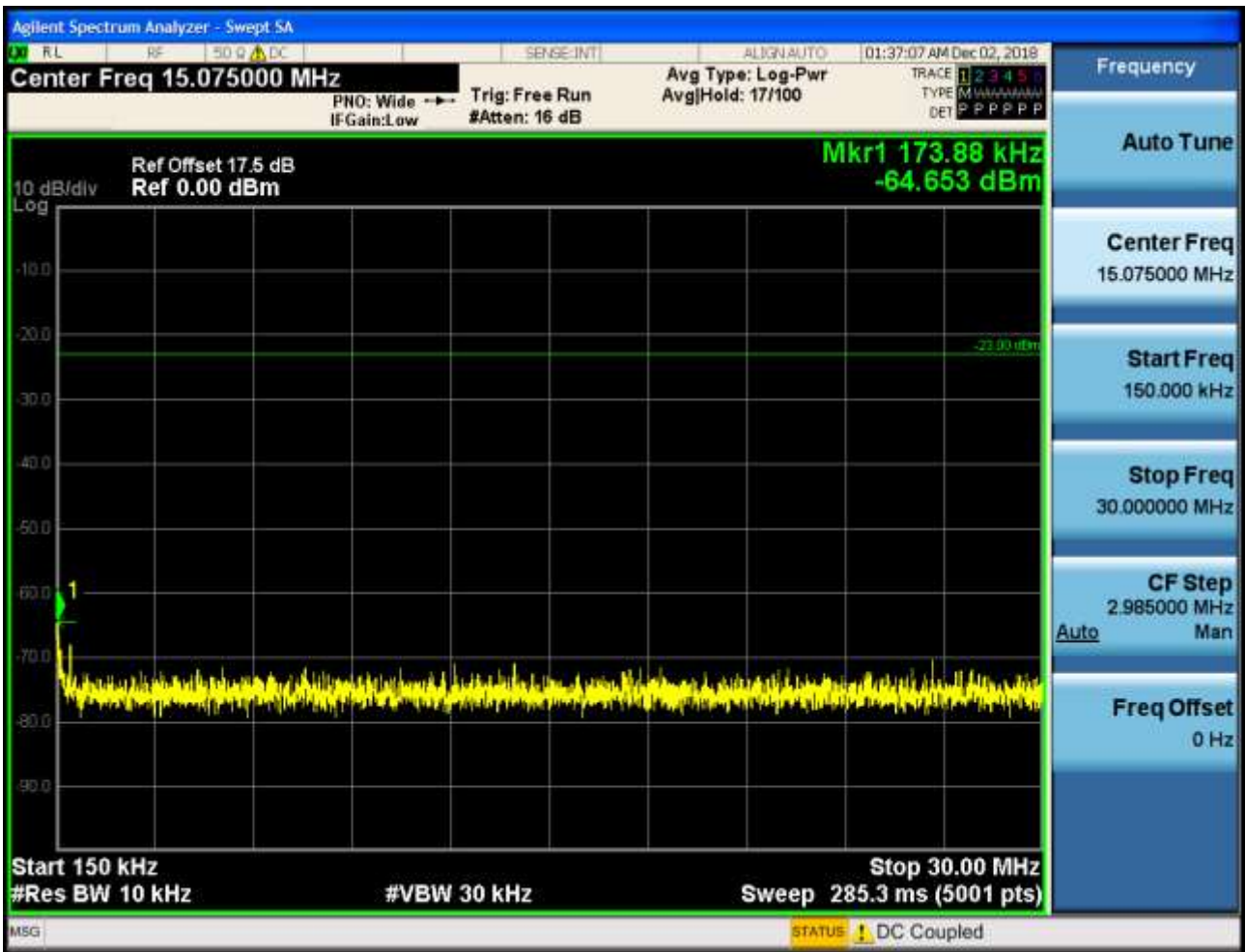


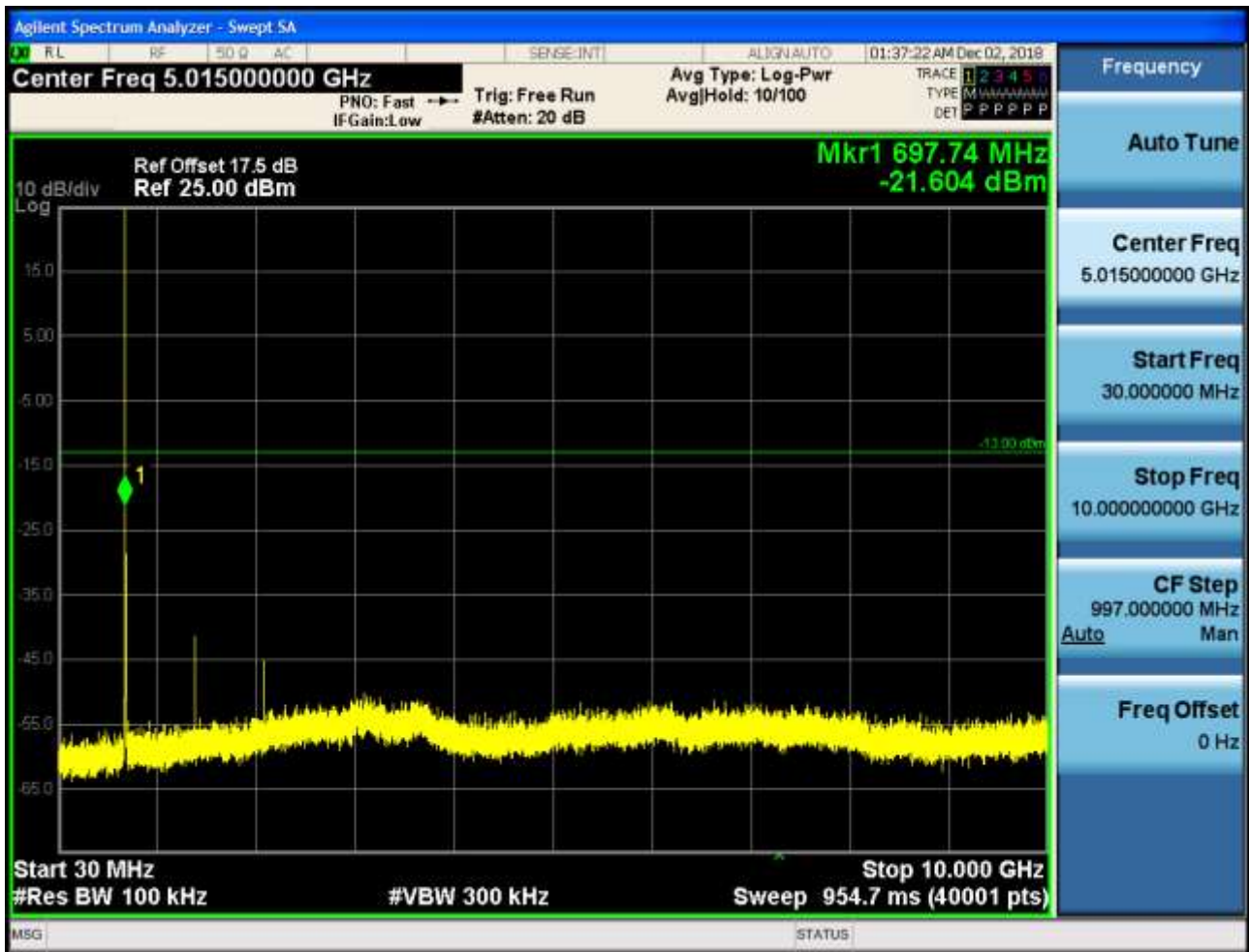
6.2.1.2.3 Test Bandwidth = 5

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0



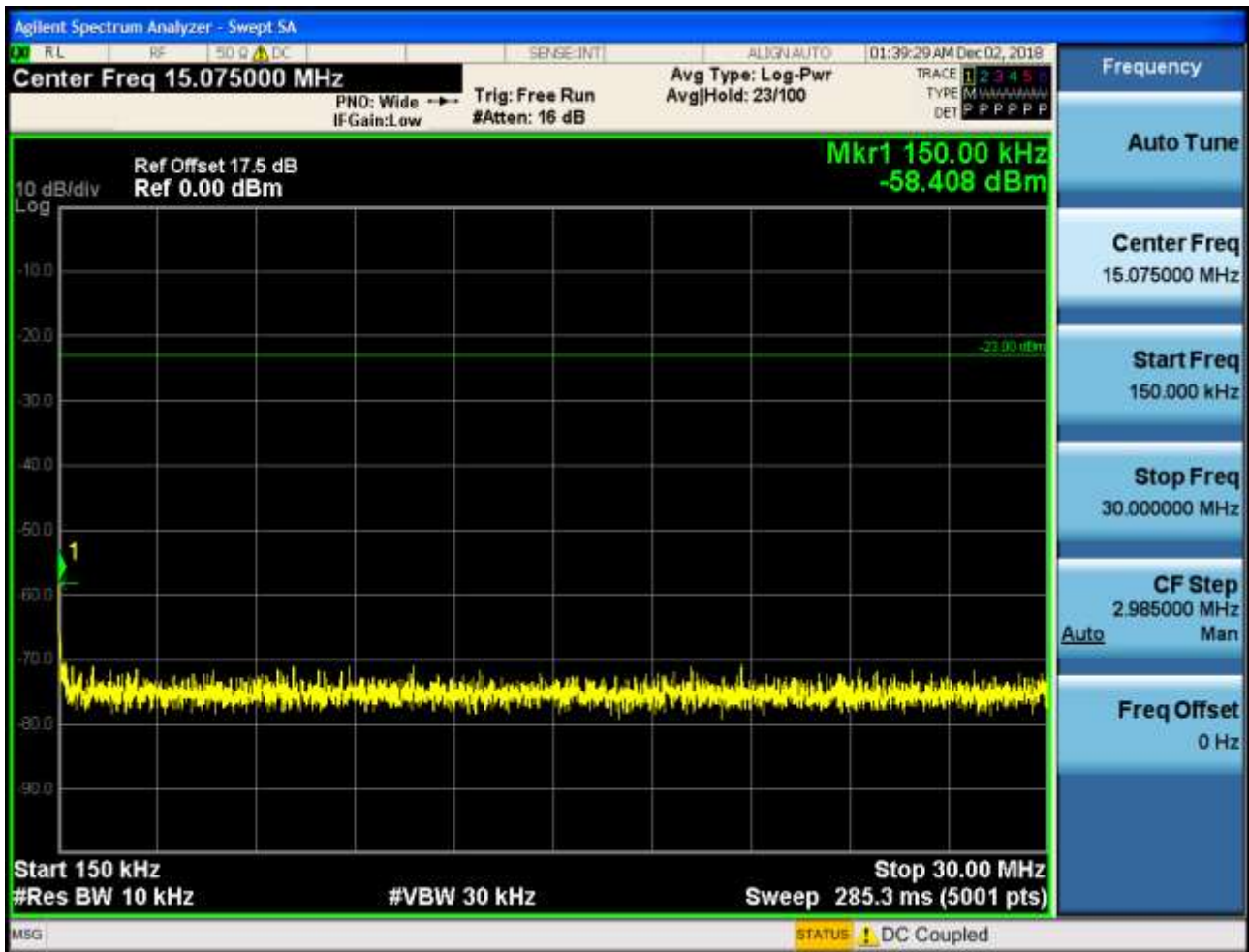


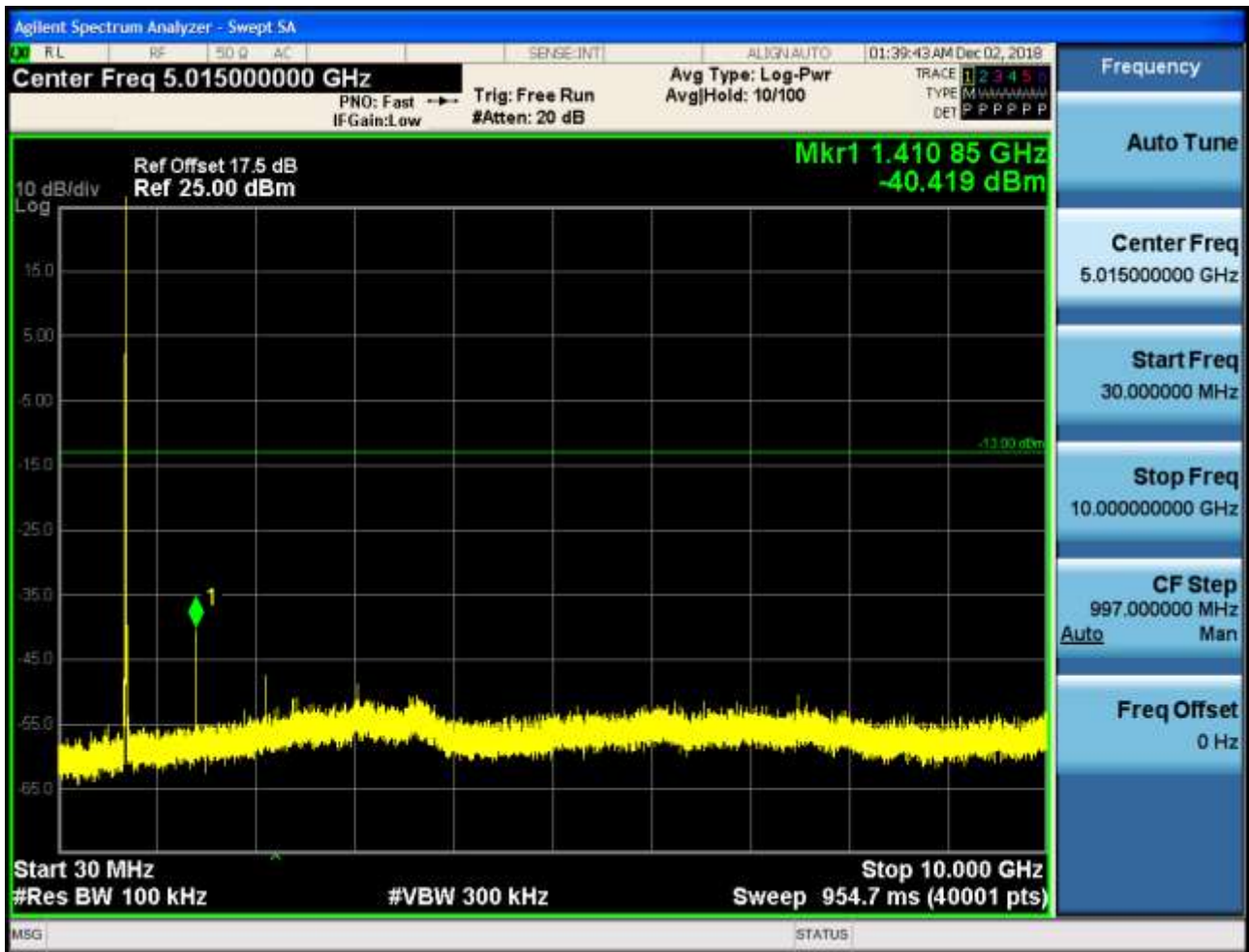


6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0



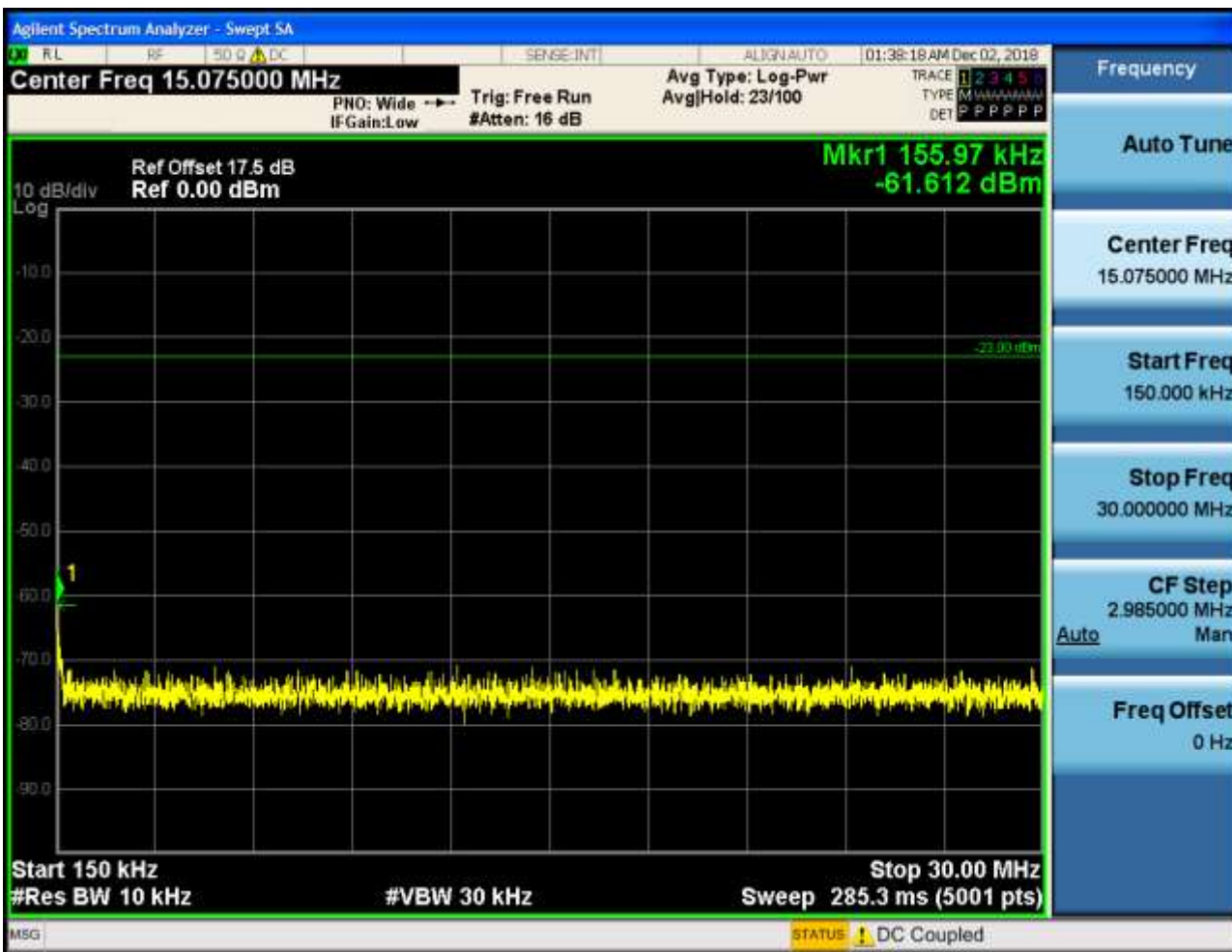


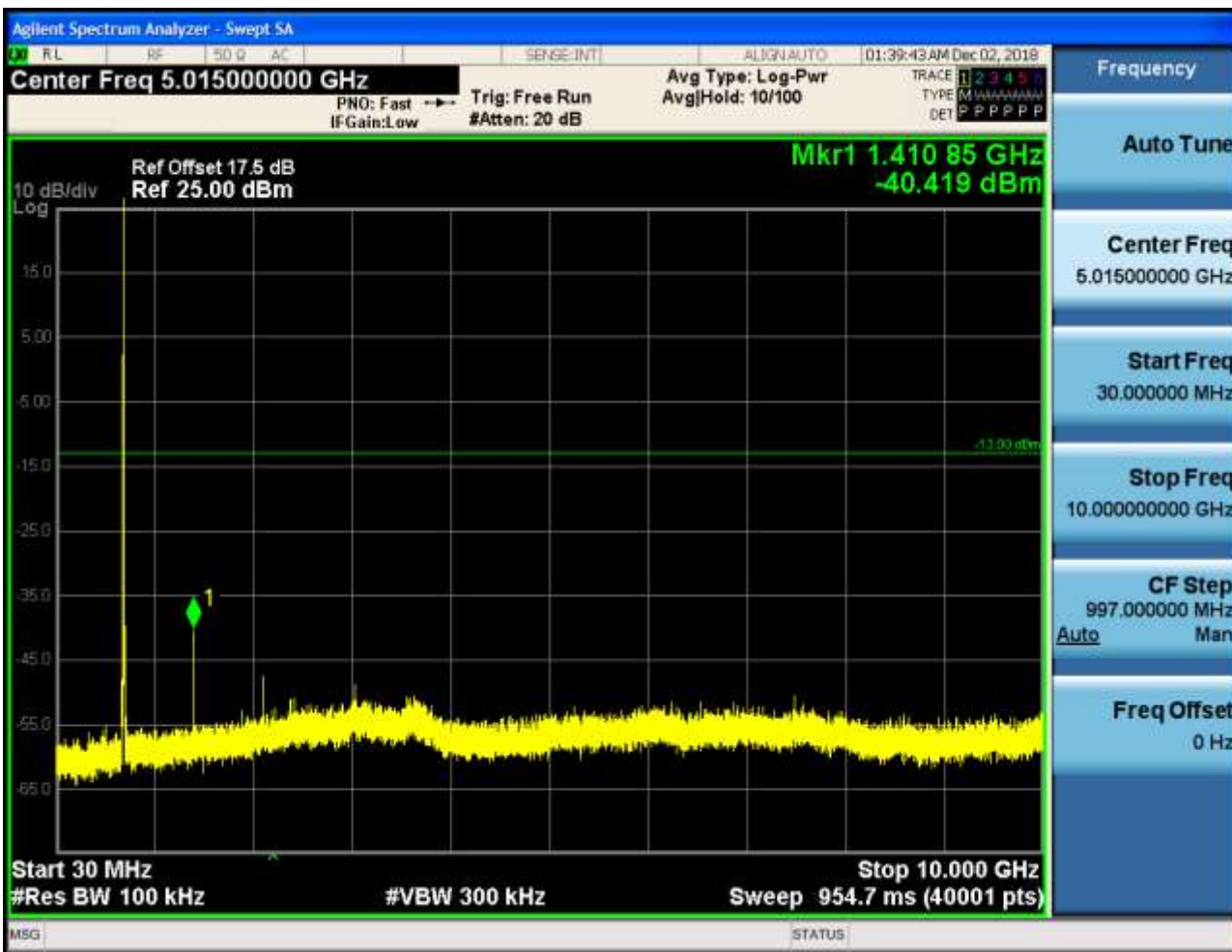


6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0





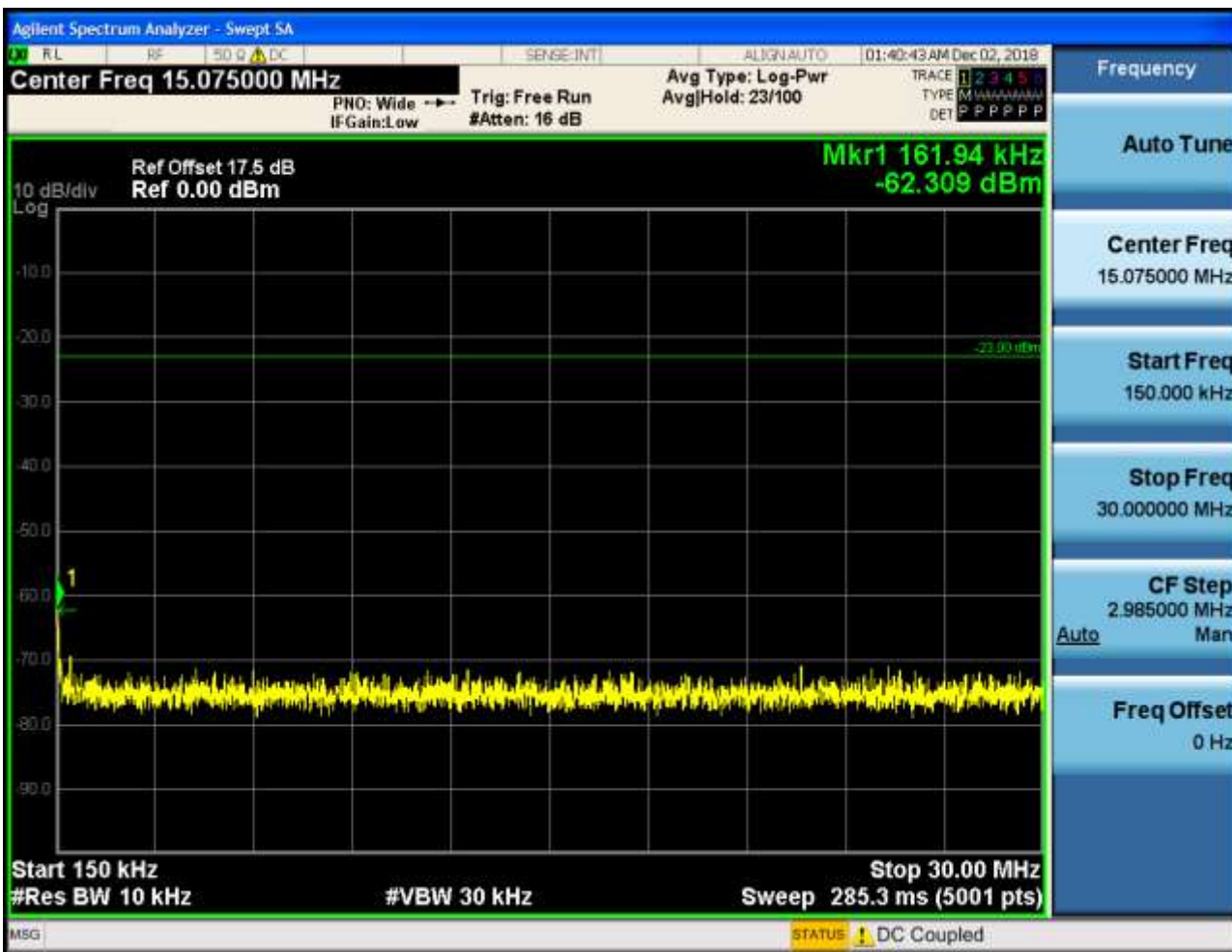


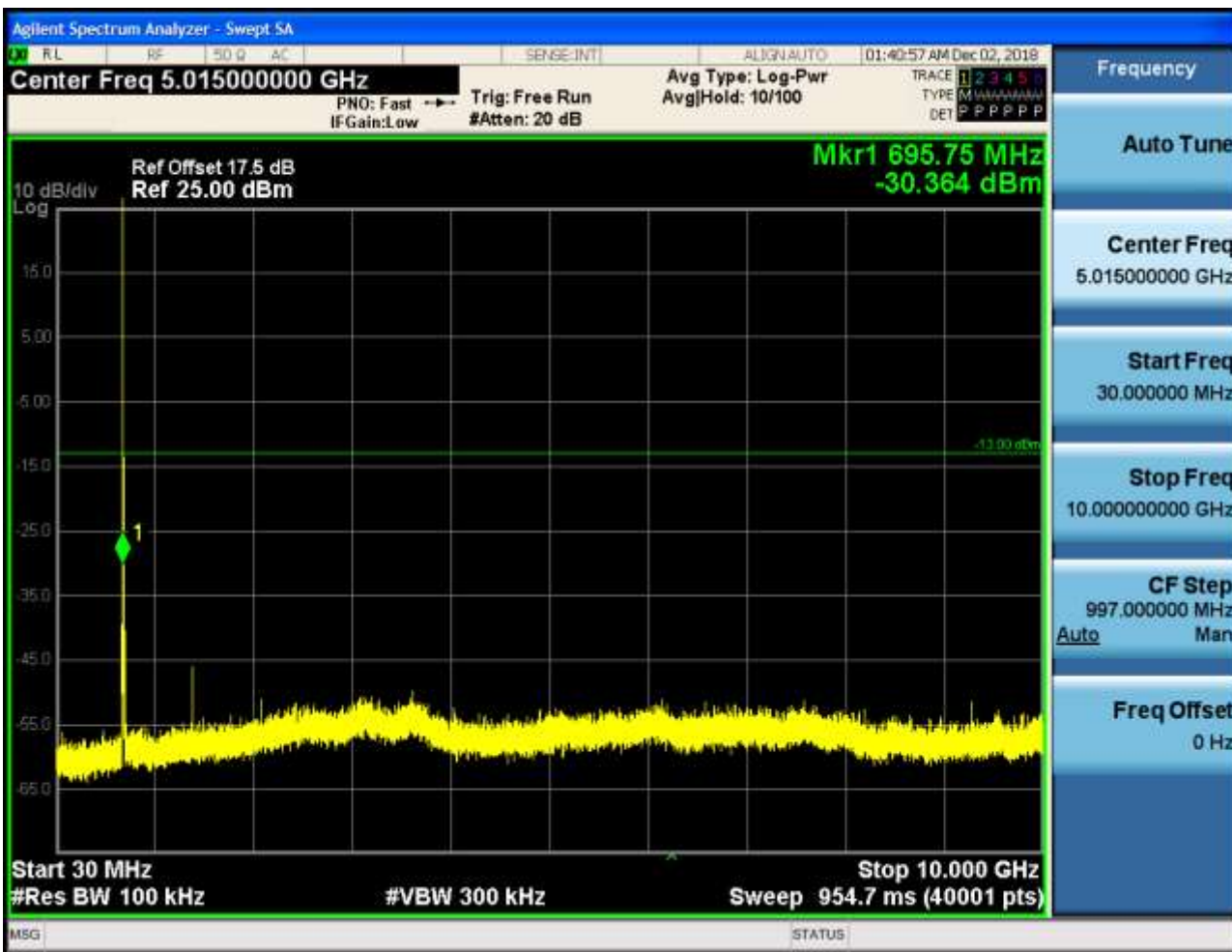
6.2.1.2.4 Test Bandwidth = 10

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0



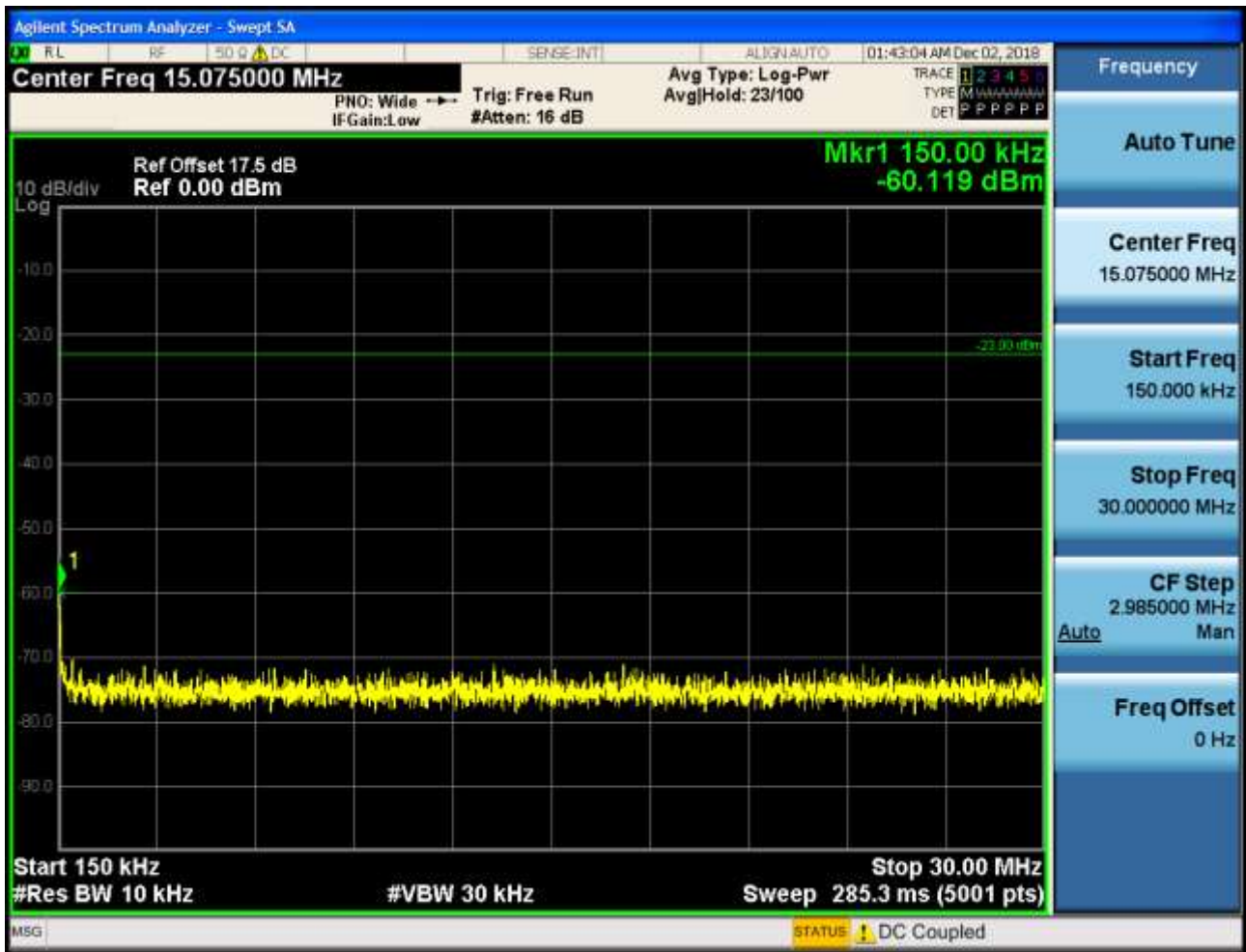


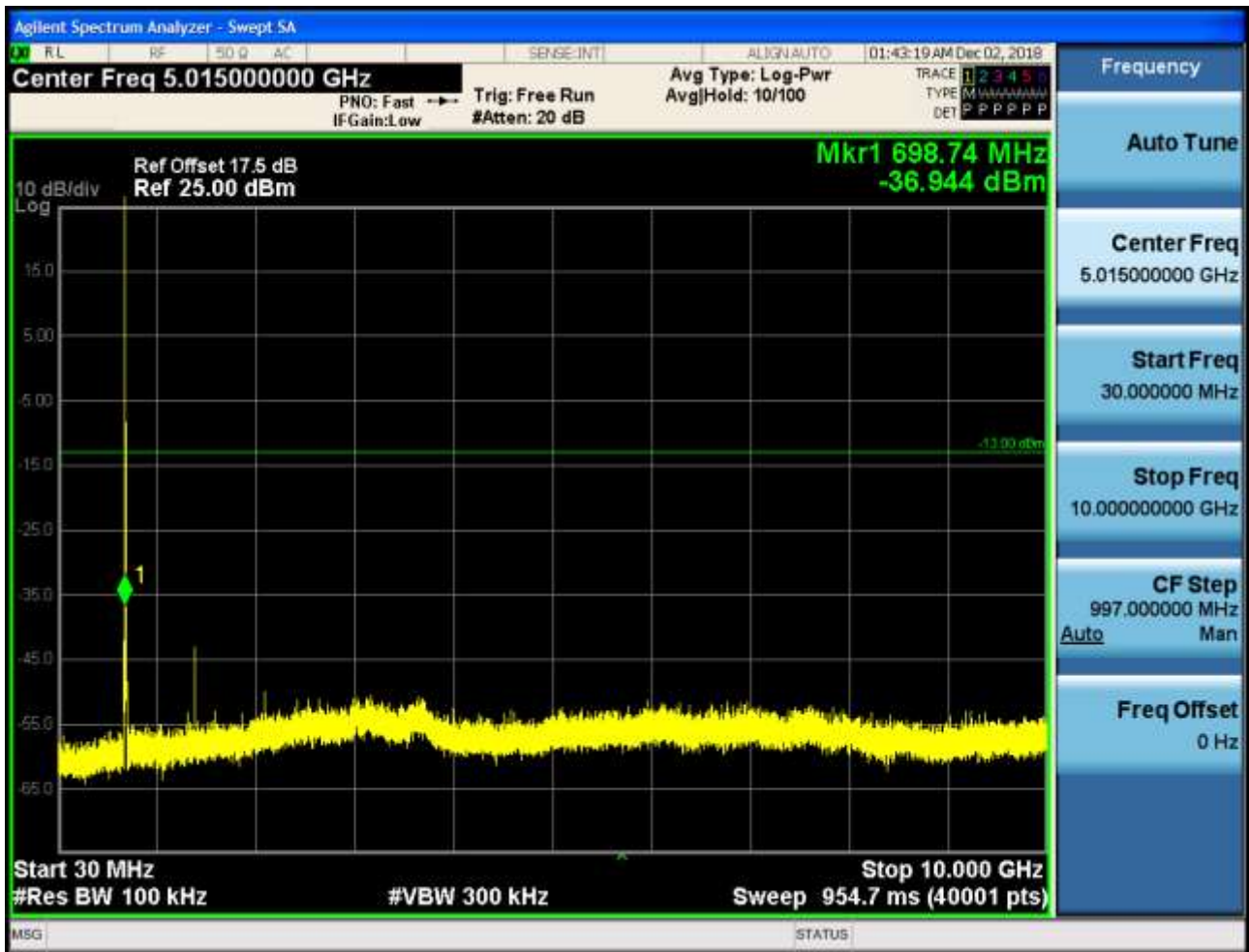


6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0



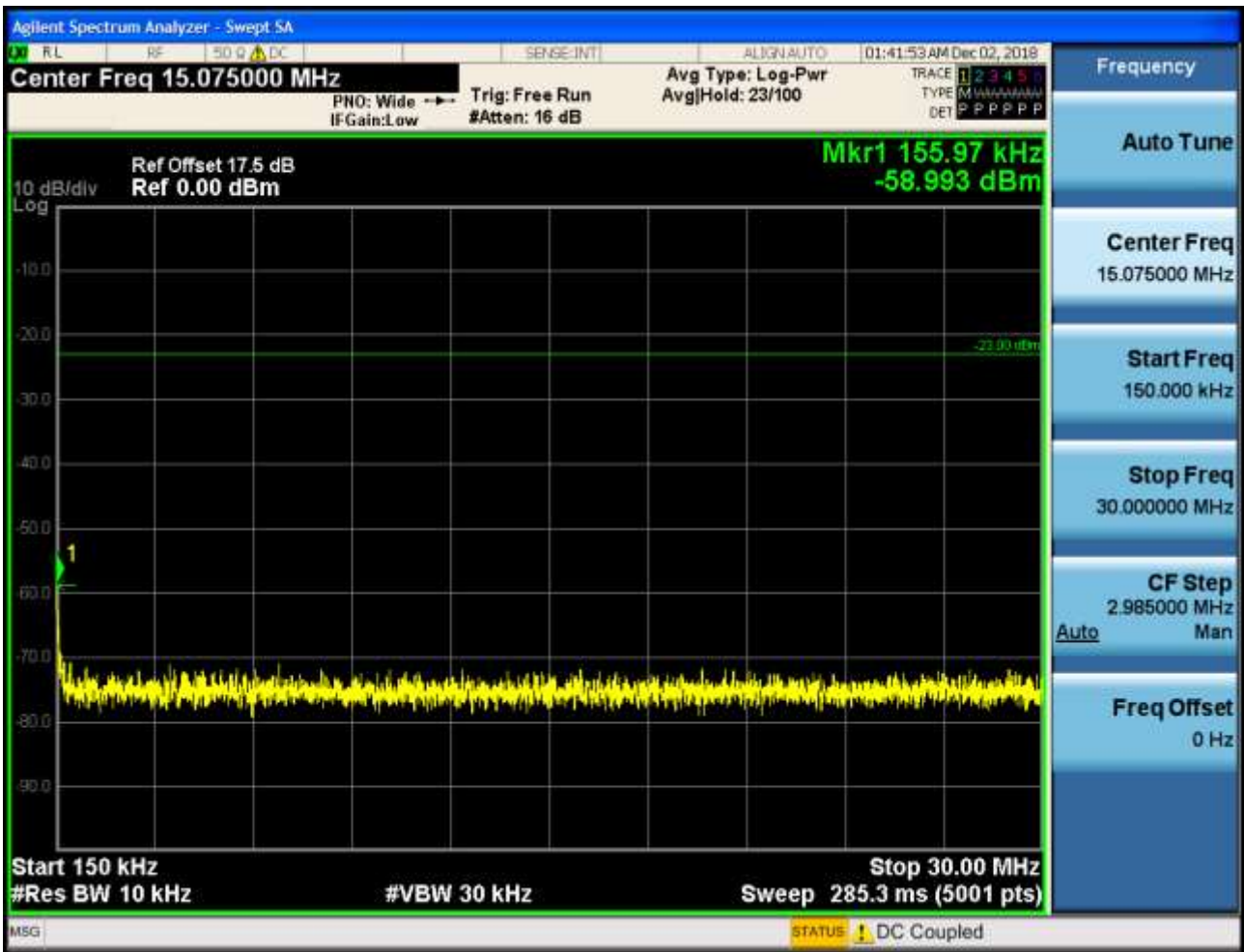


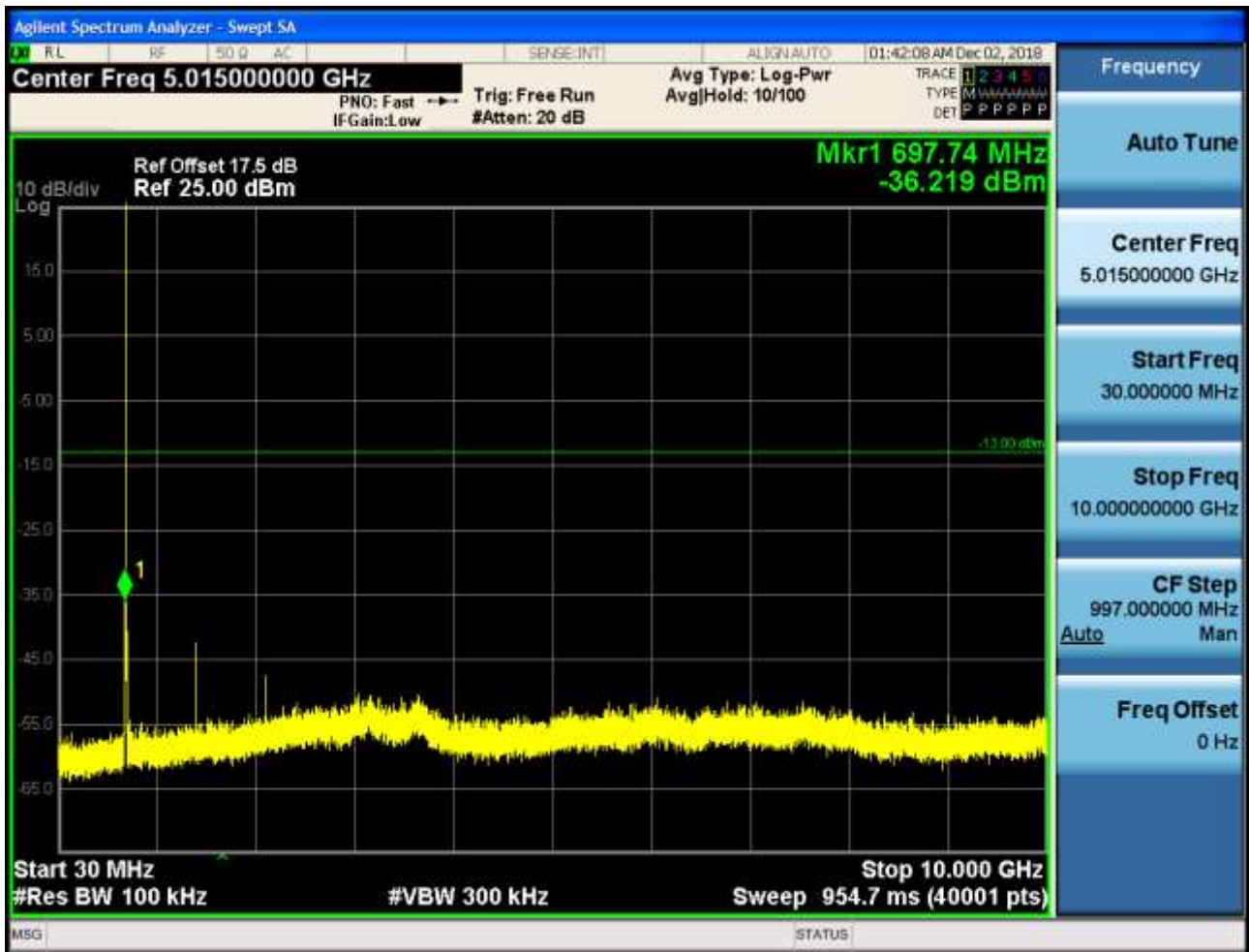


6.2.1.2.4.3 Test Channel = HCH

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

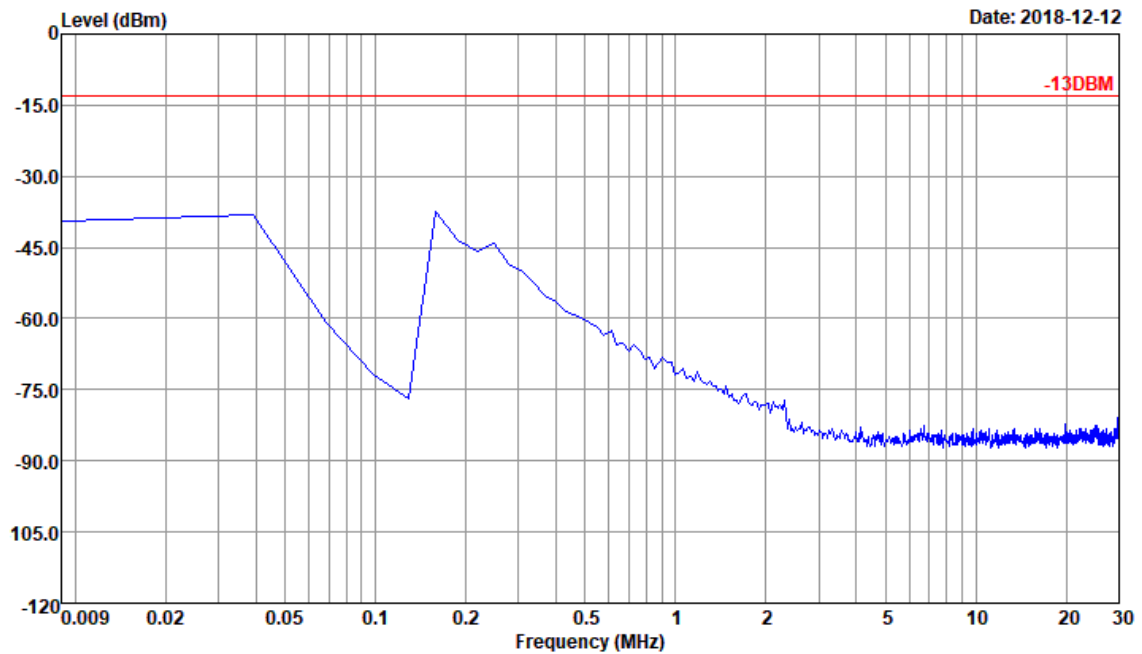
7.1 For LTE

7.1.1 Test Band = Band12_ANT1

7.1.1.1 Test Bandwidth = 1.4

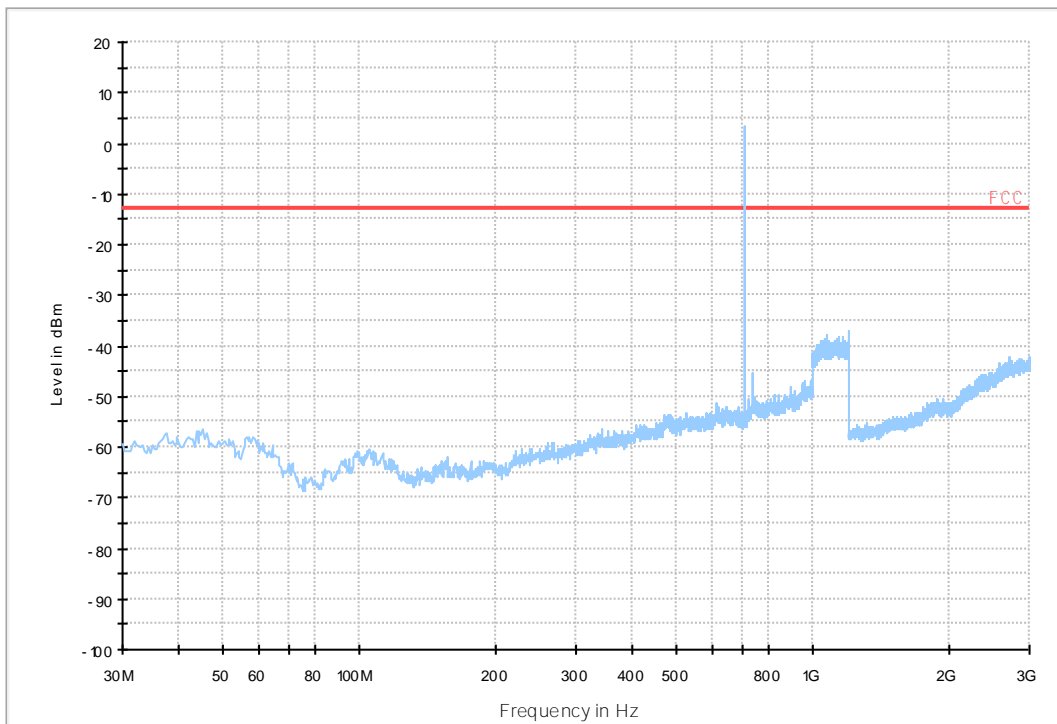


Data: 77

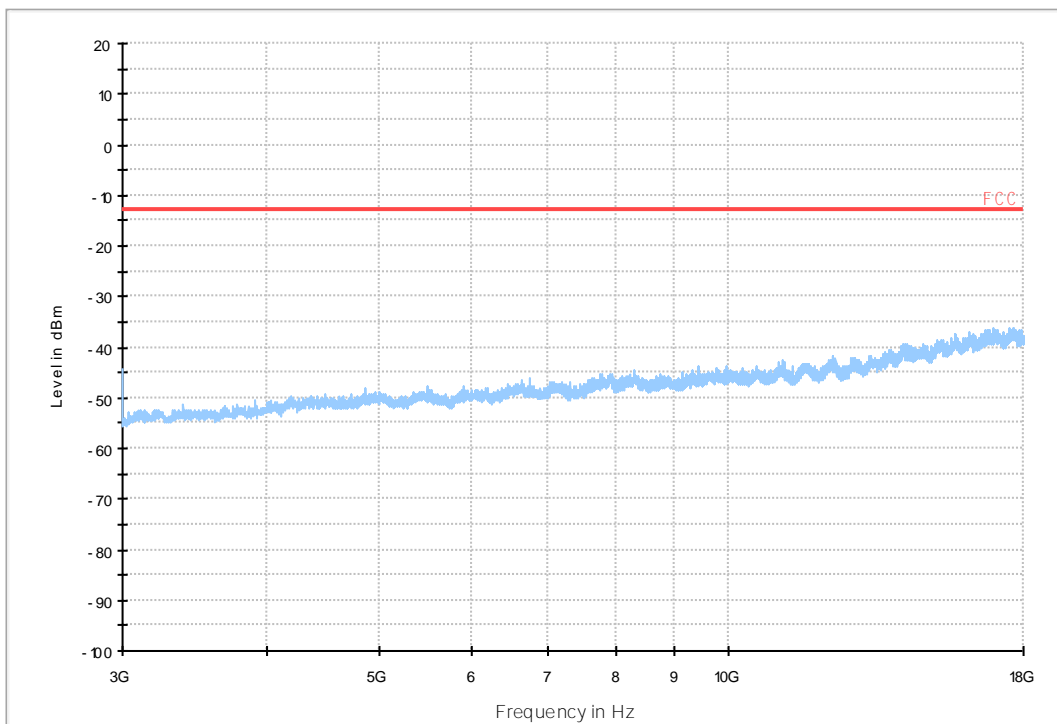


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

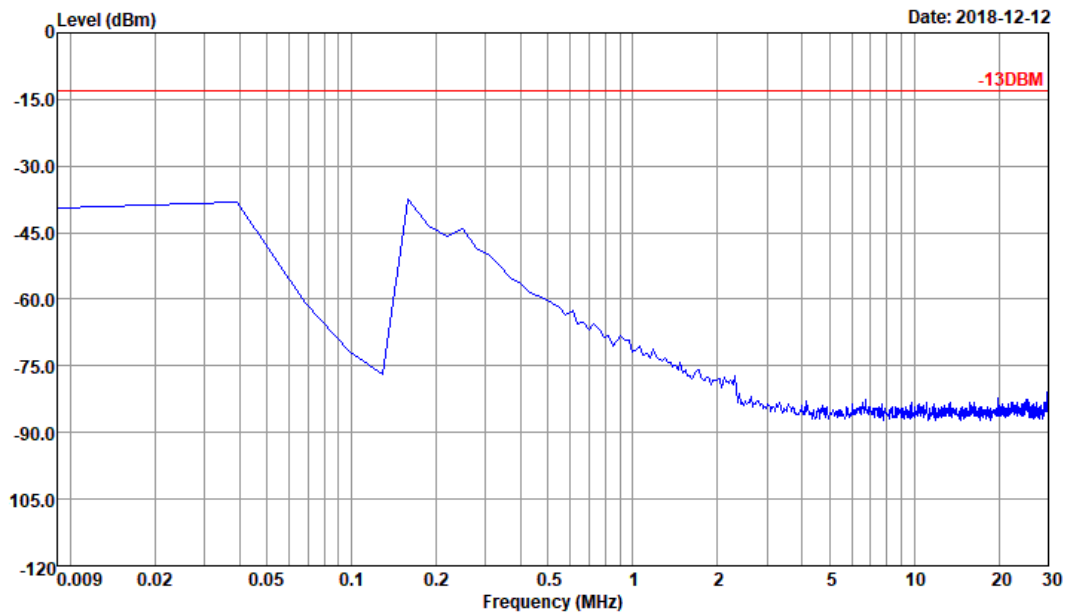


7.1.1.2 Test Bandwidth = 10



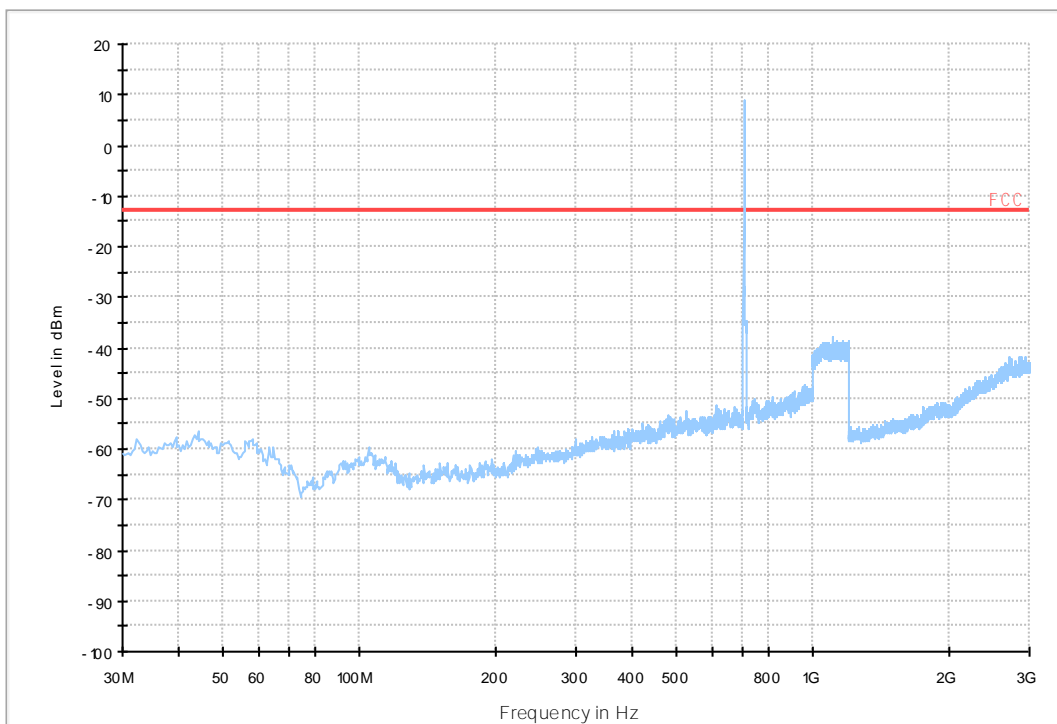
Data: 77

Date: 2018-12-12

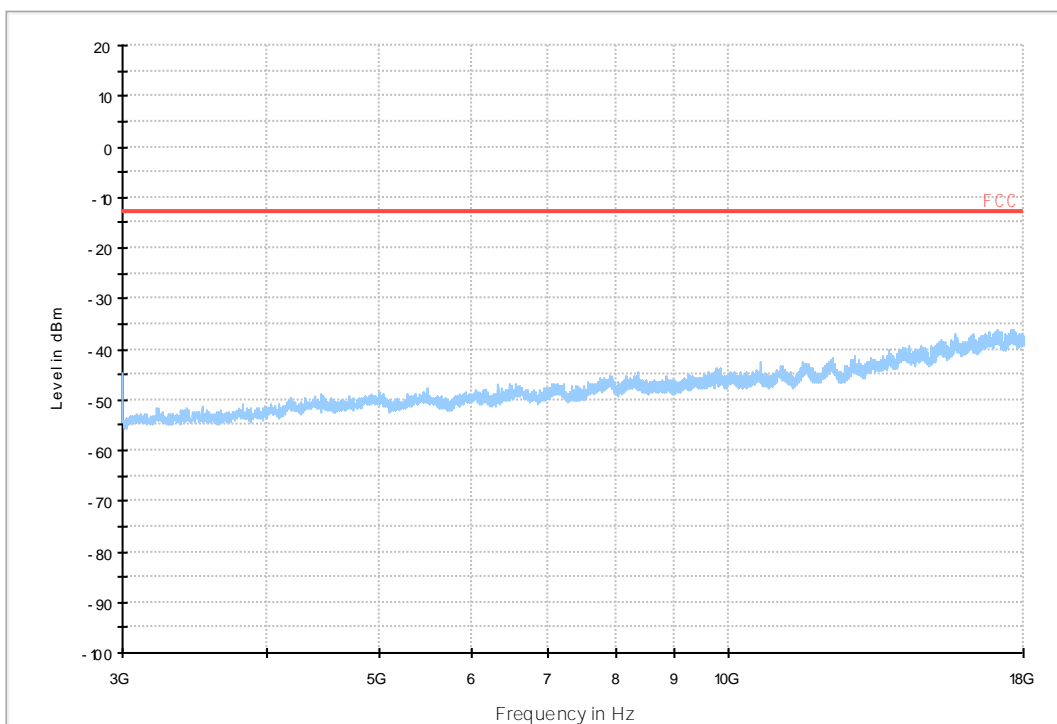


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

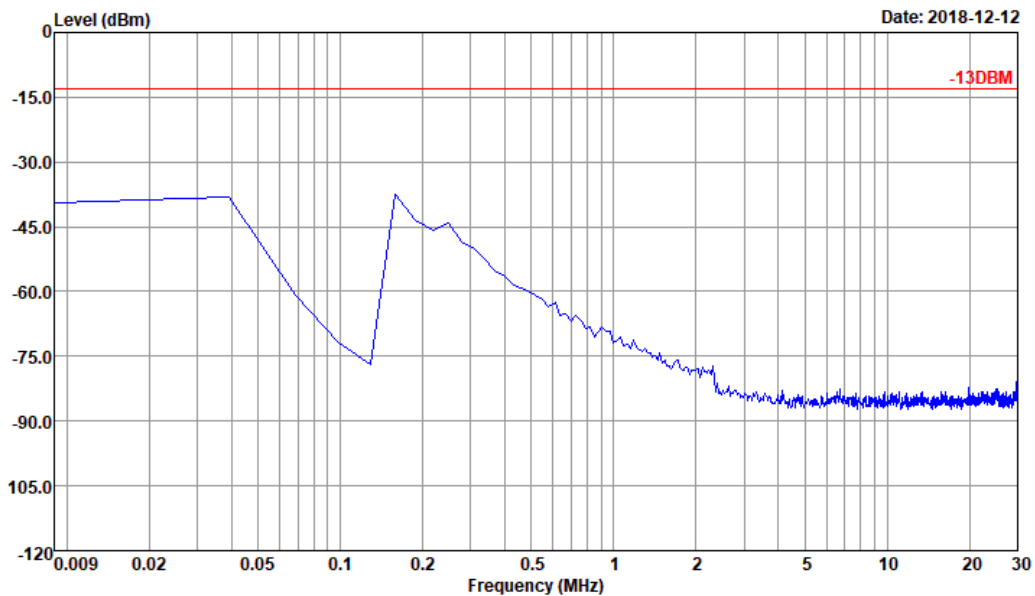


7.1.2 Test Band = Band12_ANT2

7.1.2.1 Test Bandwidth = 1.4

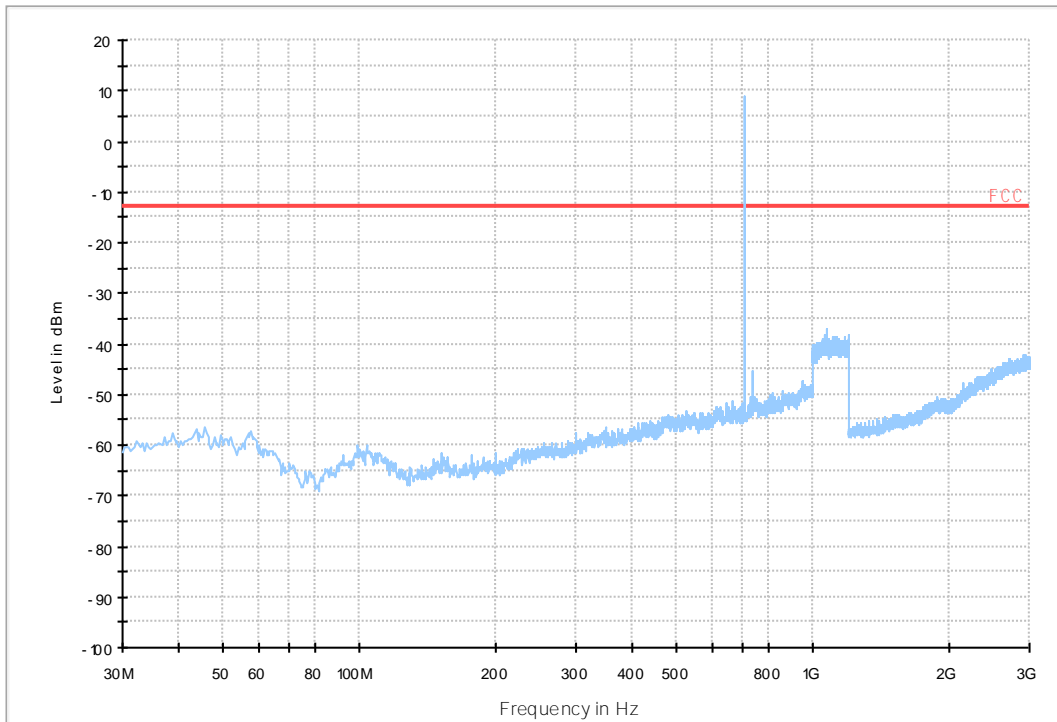


Data: 77

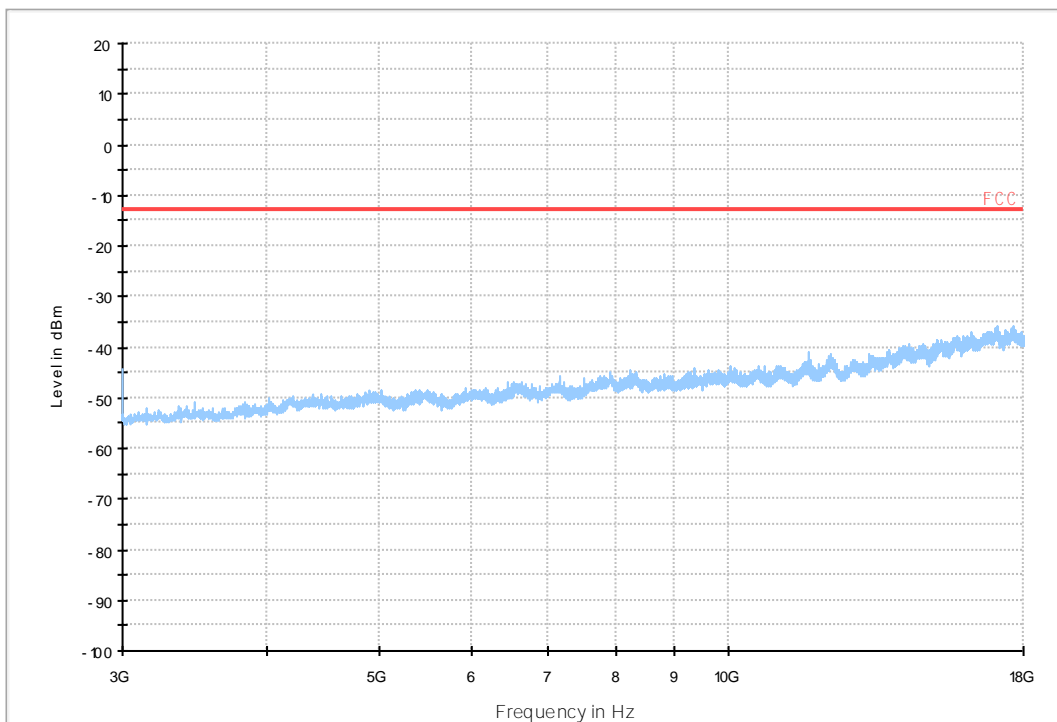


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

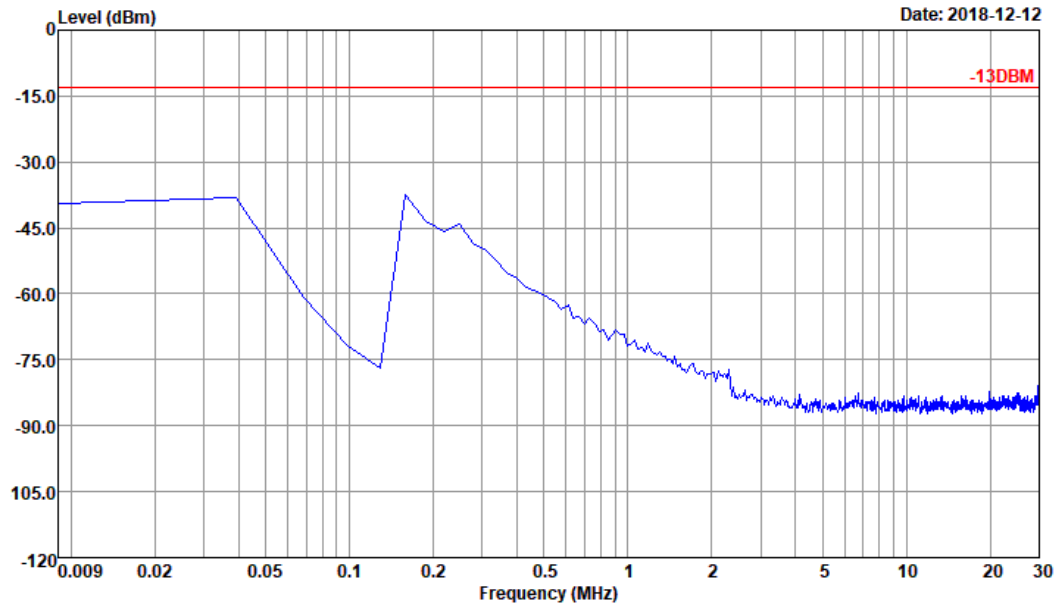


7.1.2.2 Test Bandwidth = 10



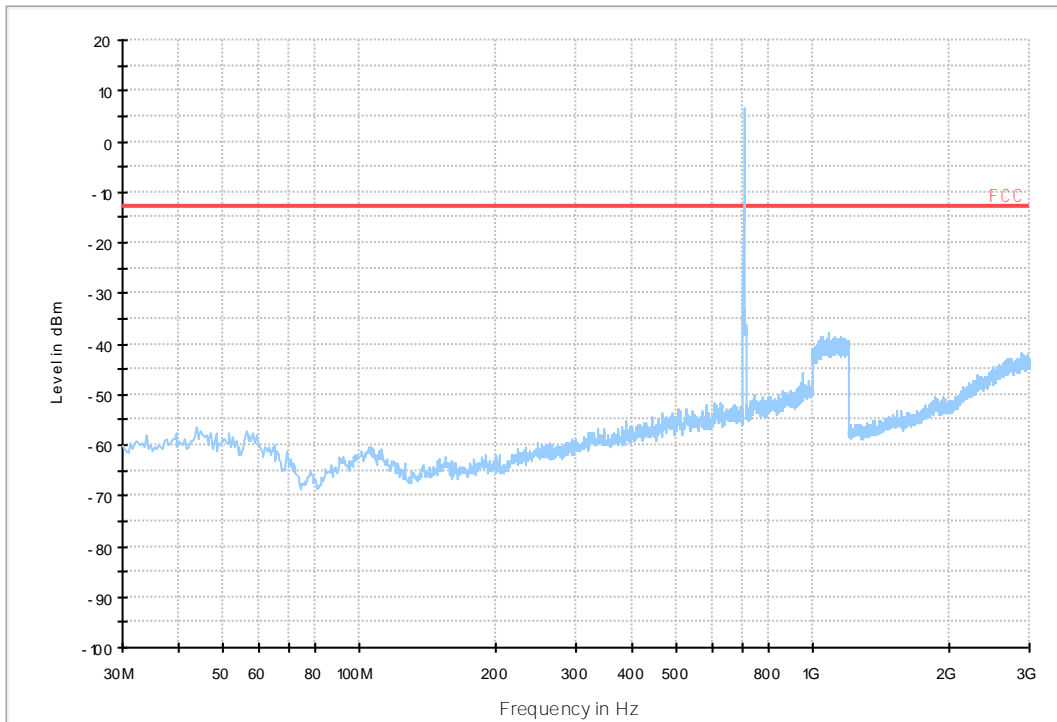
Data: 77

Date: 2018-12-12

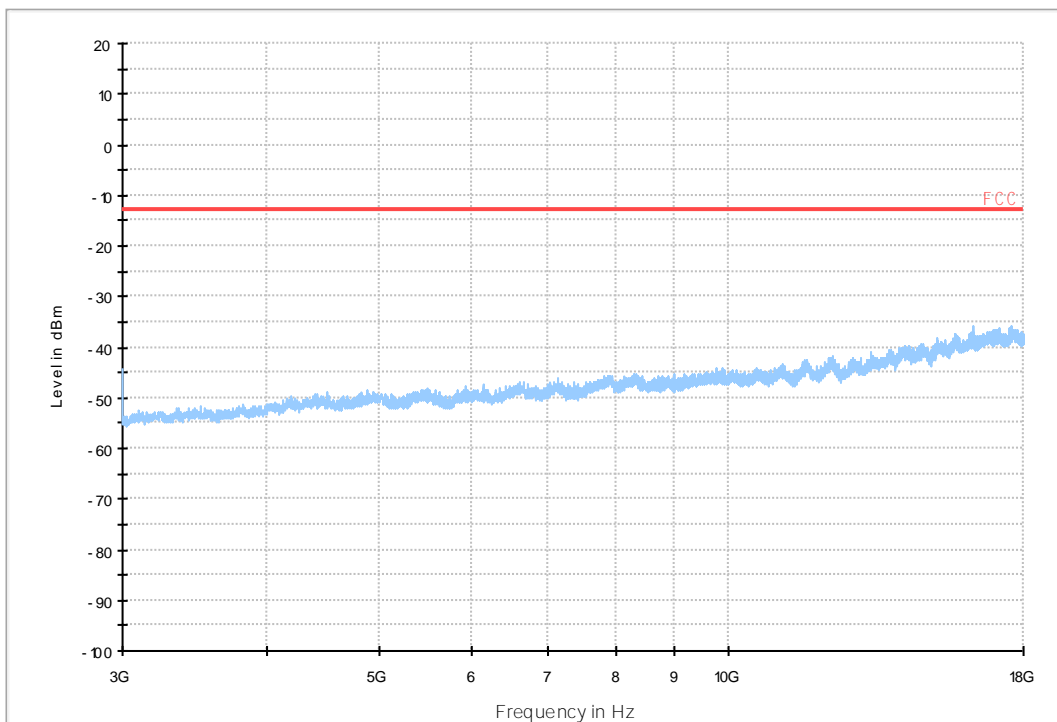


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



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
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		

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

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

8.1.2 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
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		



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	
			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	
			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
			-20	3.00407	0.00425			PASS	
			-10	2.00272	0.00283			PASS	
			0	1.47343	0.00208			PASS	
10	1.38760	0.00196	PASS						



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					
								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						
		10					-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								



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	LCH	VN	50	-3.74794	-0.00527	PASS
					-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	-12.7458 6	-0.01802	PASS
					-20	-14.6341 3	-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	-11.3582 6	-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

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	50	-0.10014	-0.00014	PASS
					-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			



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				
		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