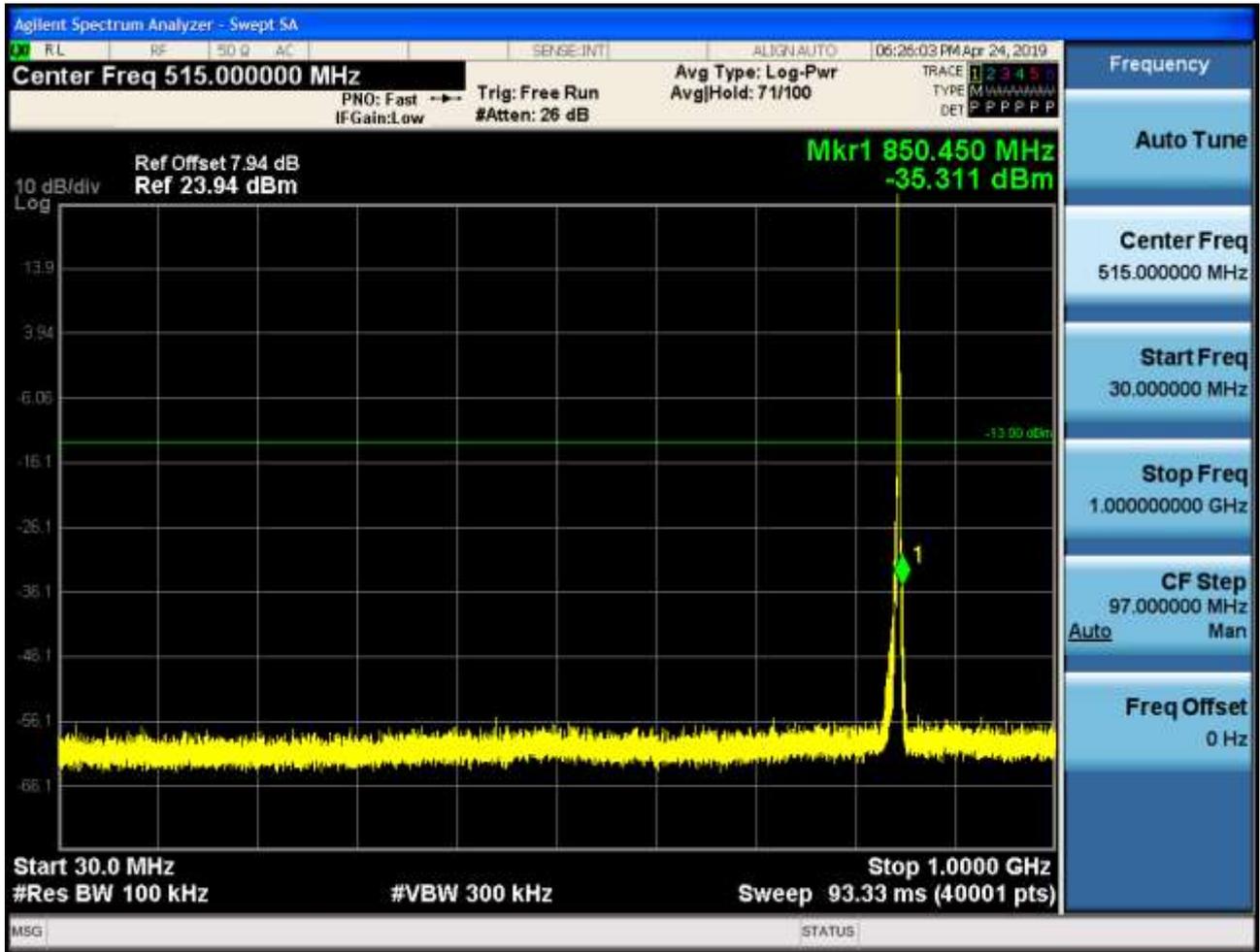




6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0



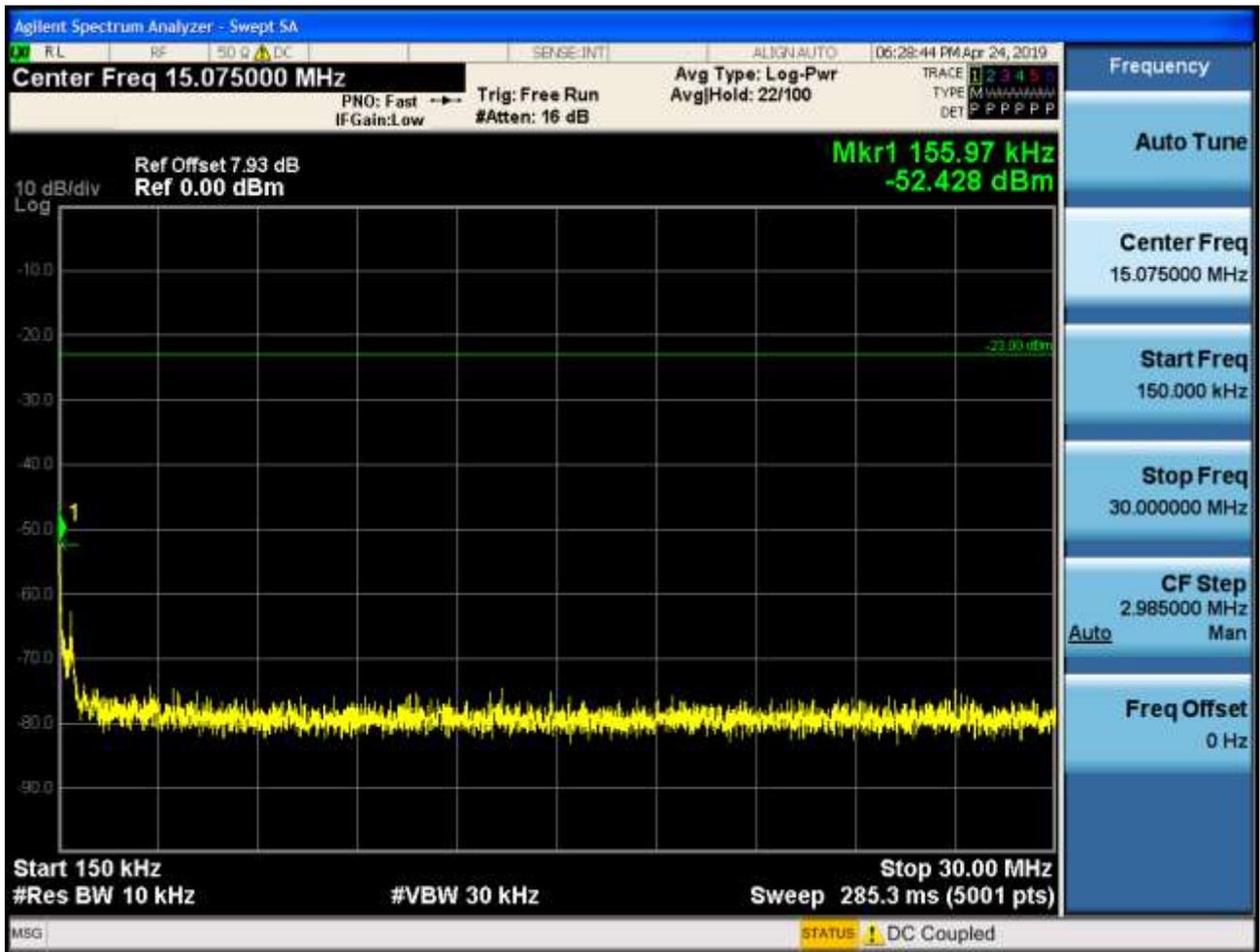


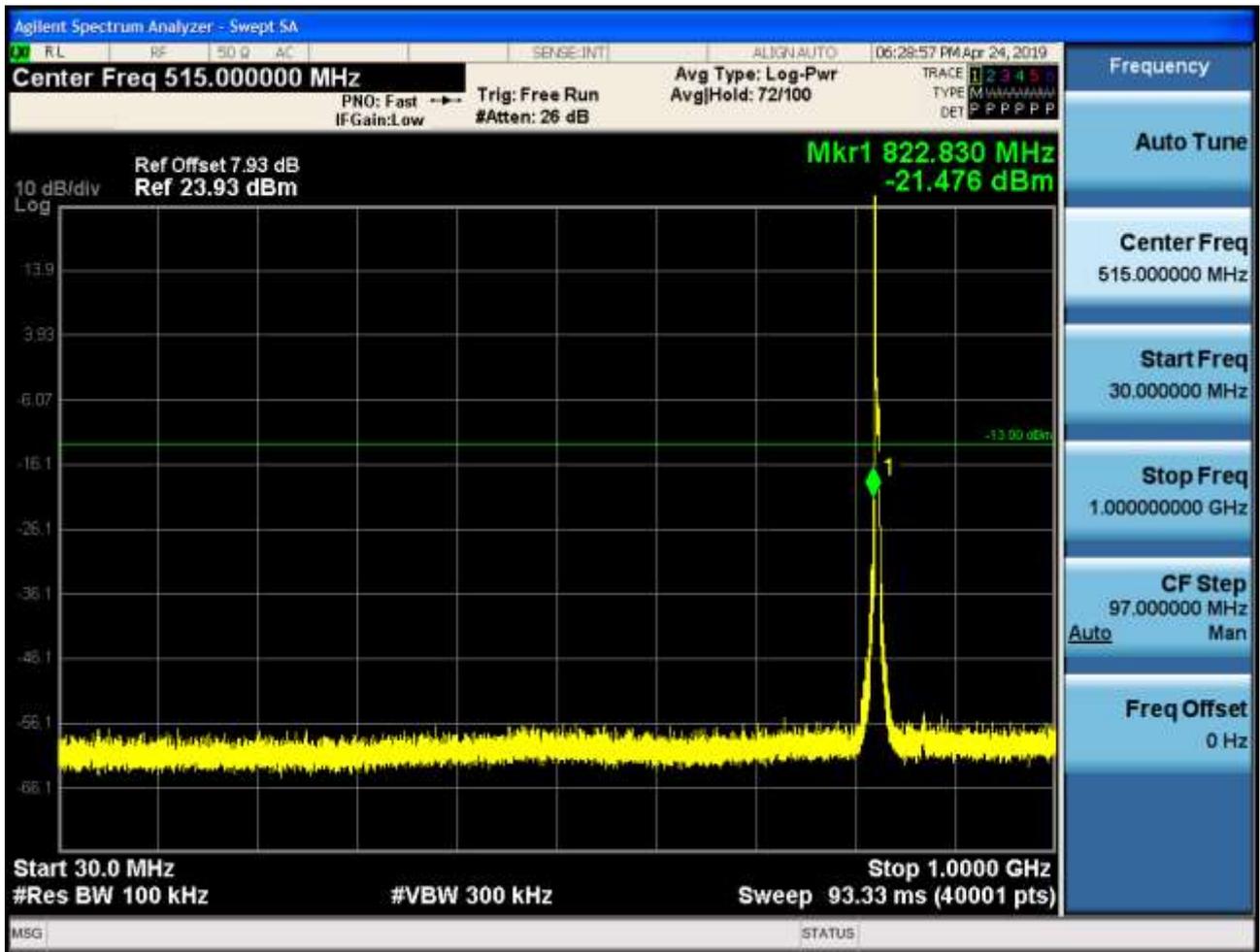
6.2.1.1.3 Test Bandwidth = 5

6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0







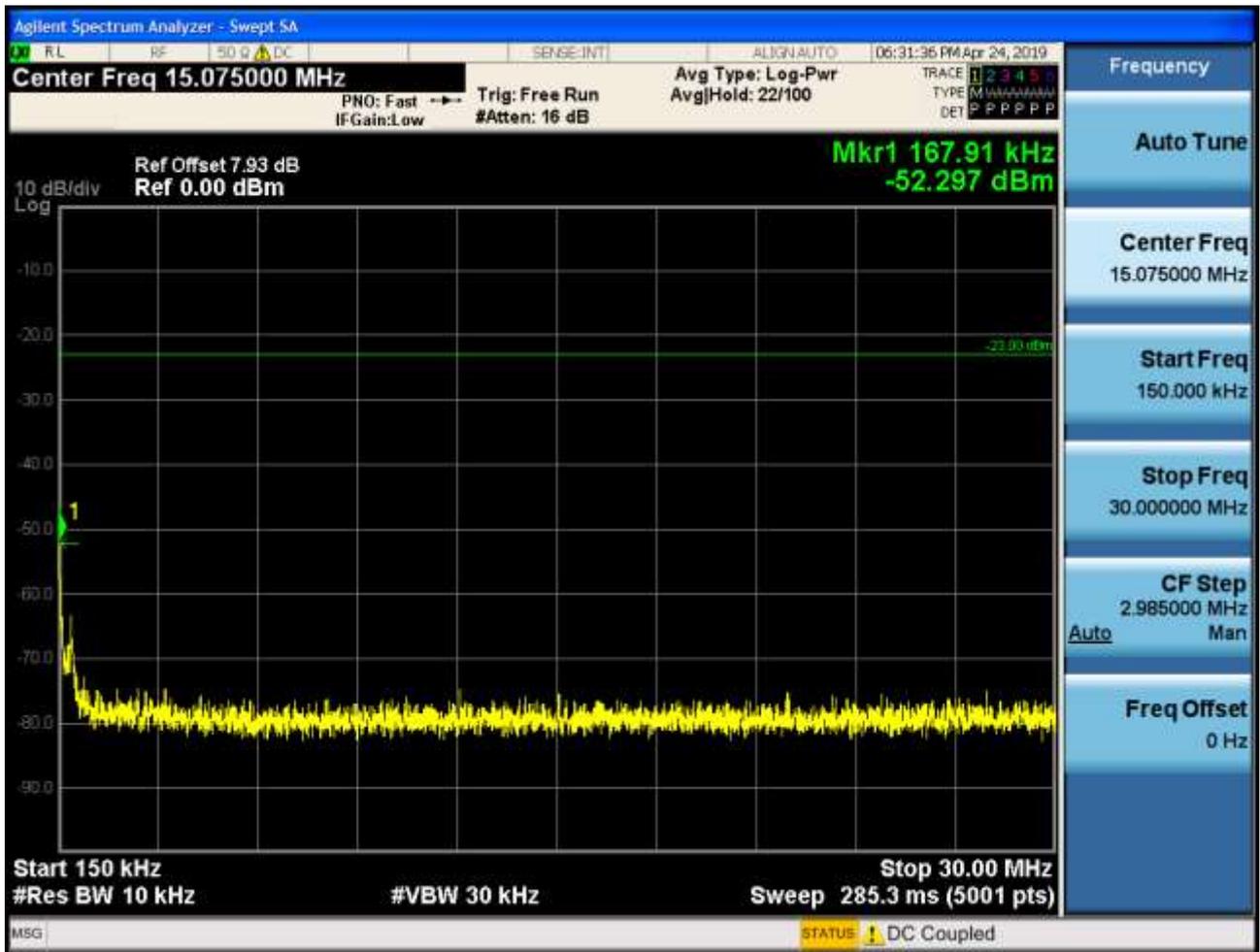


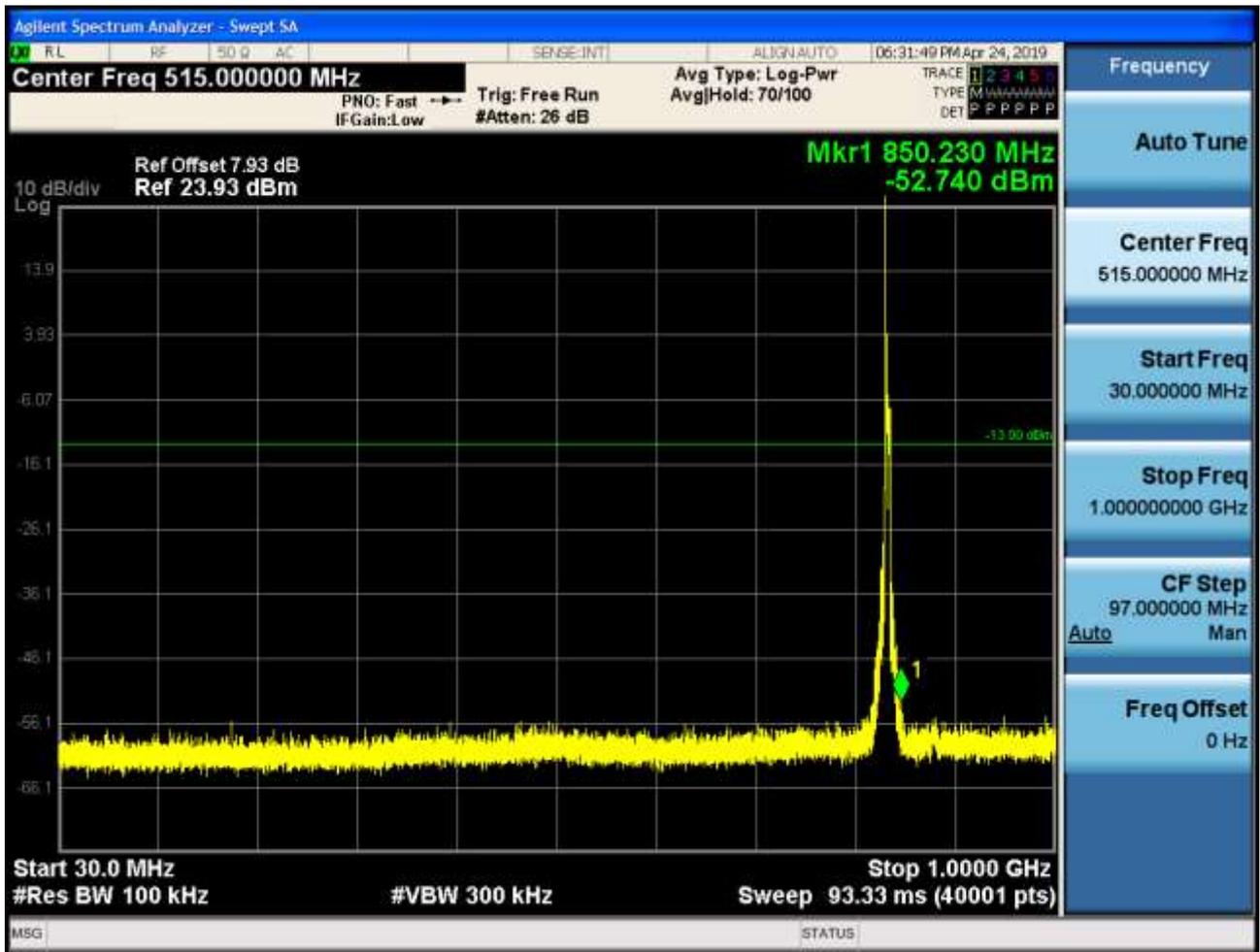


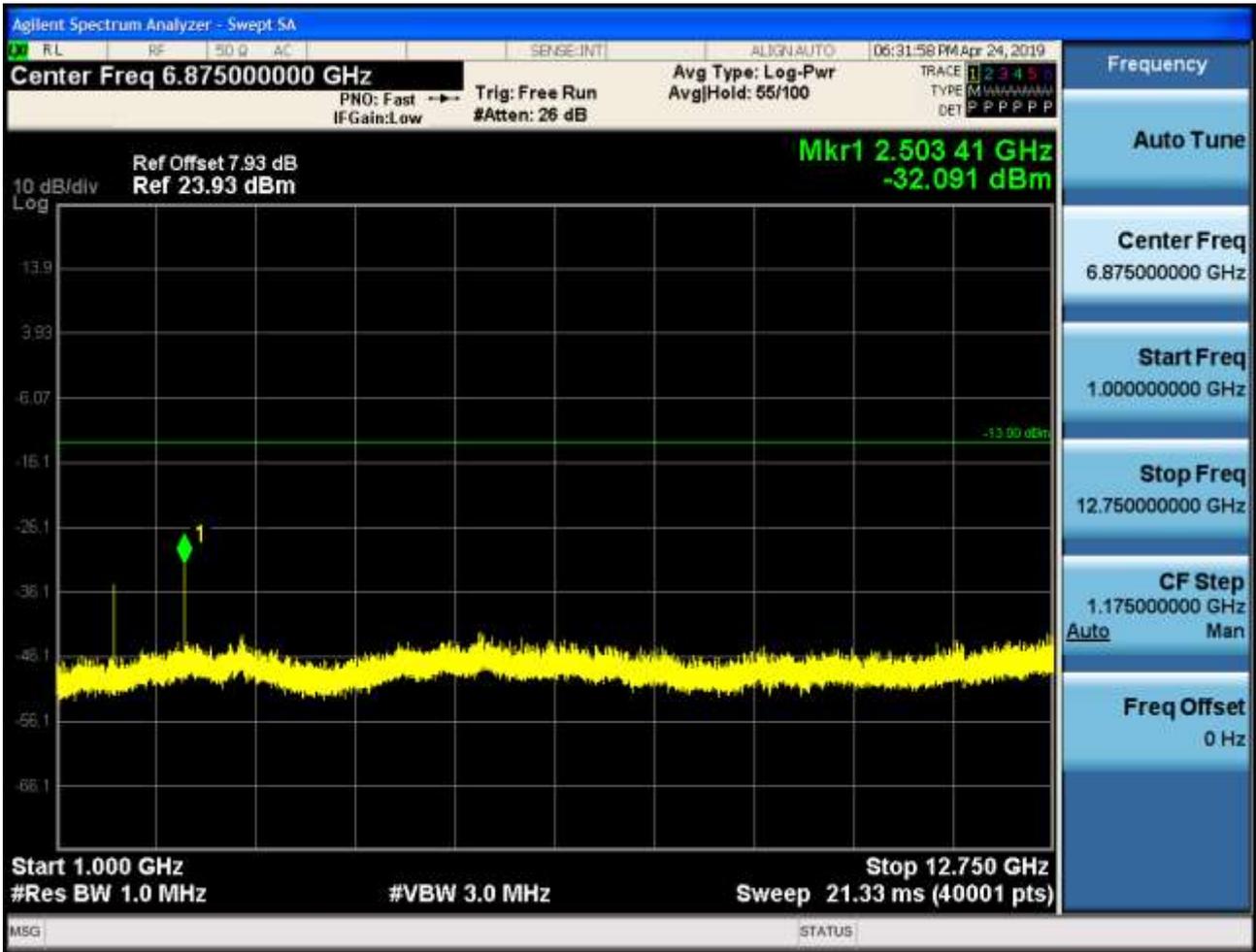
6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0







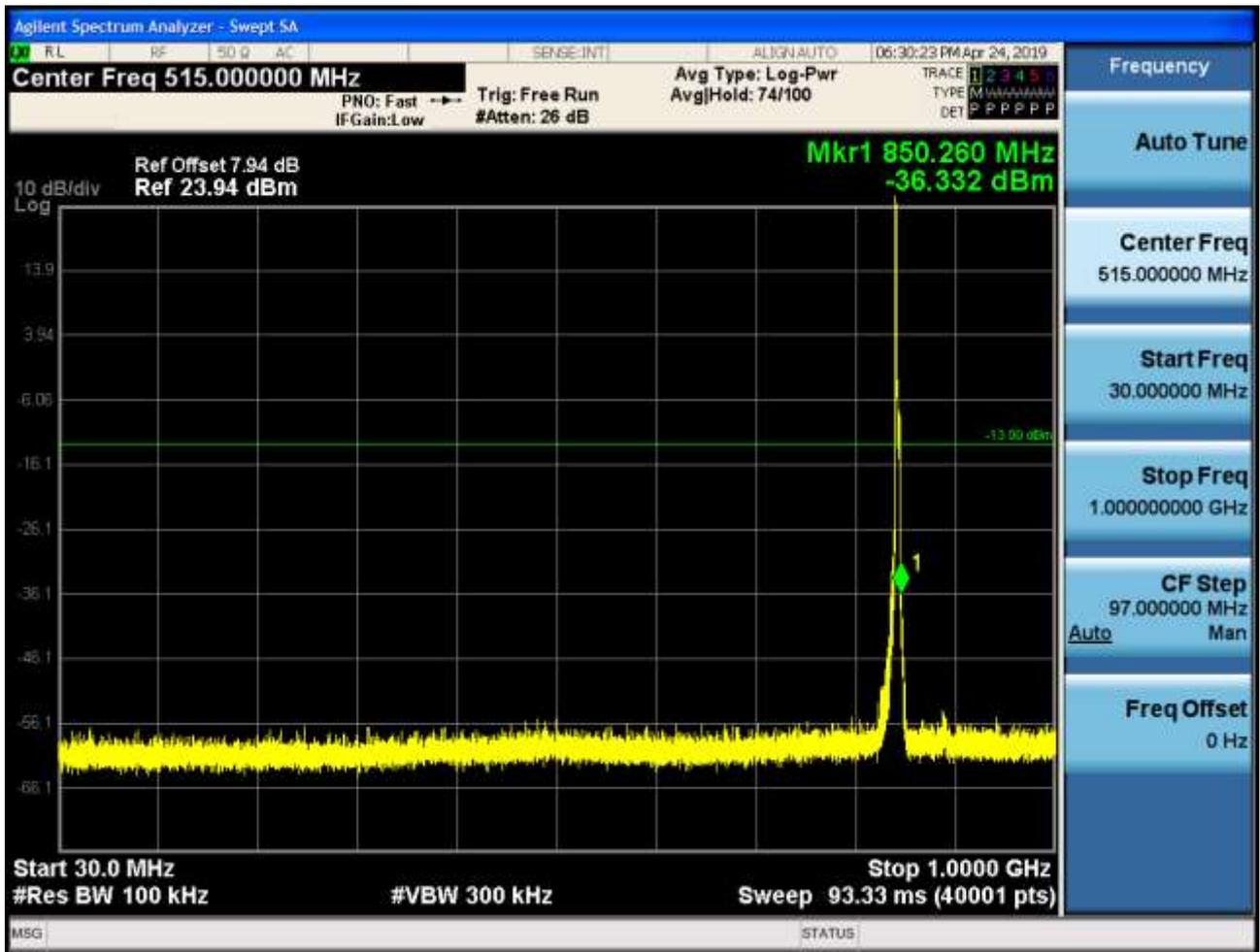


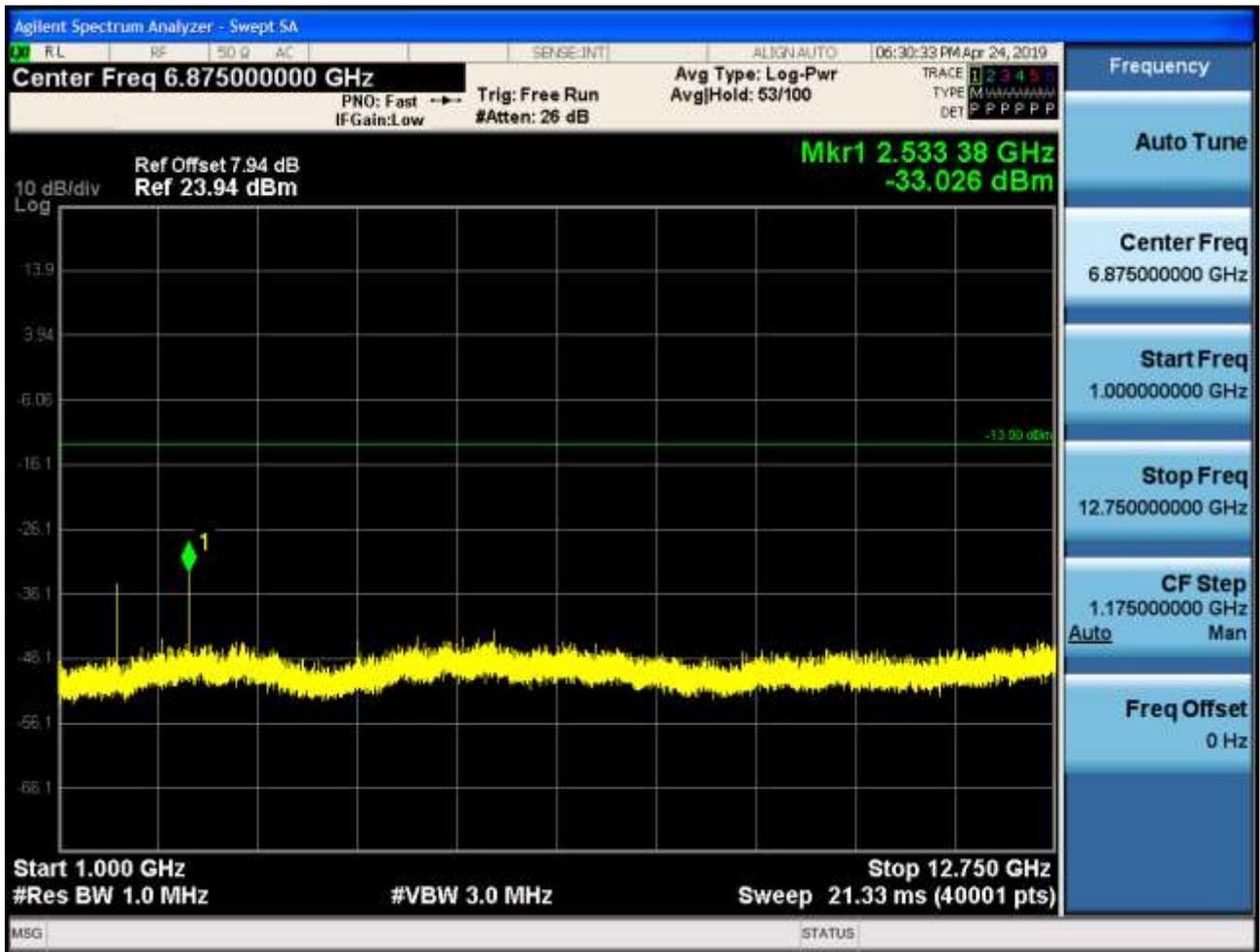


6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0





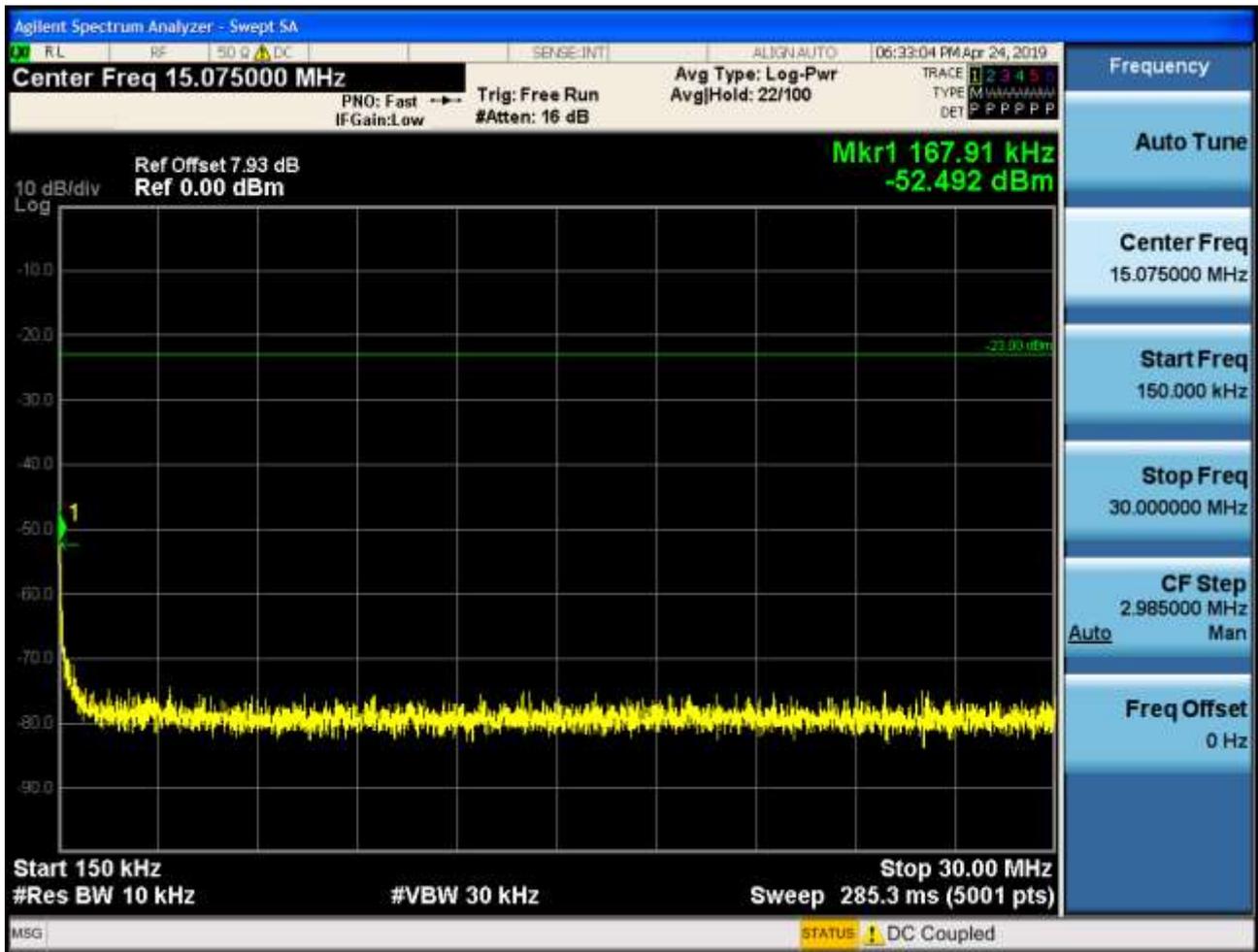


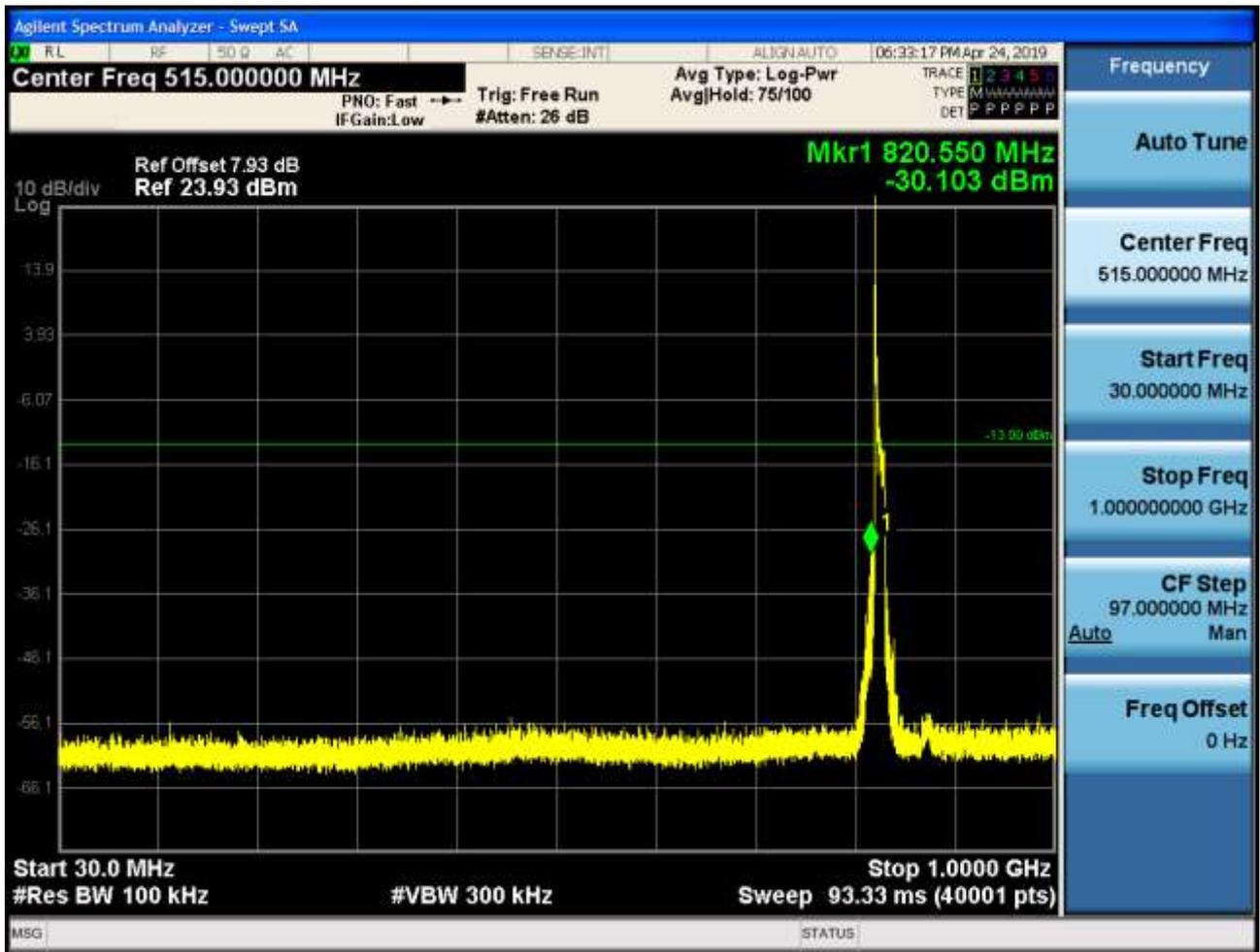
6.2.1.1.4 Test Bandwidth = 10

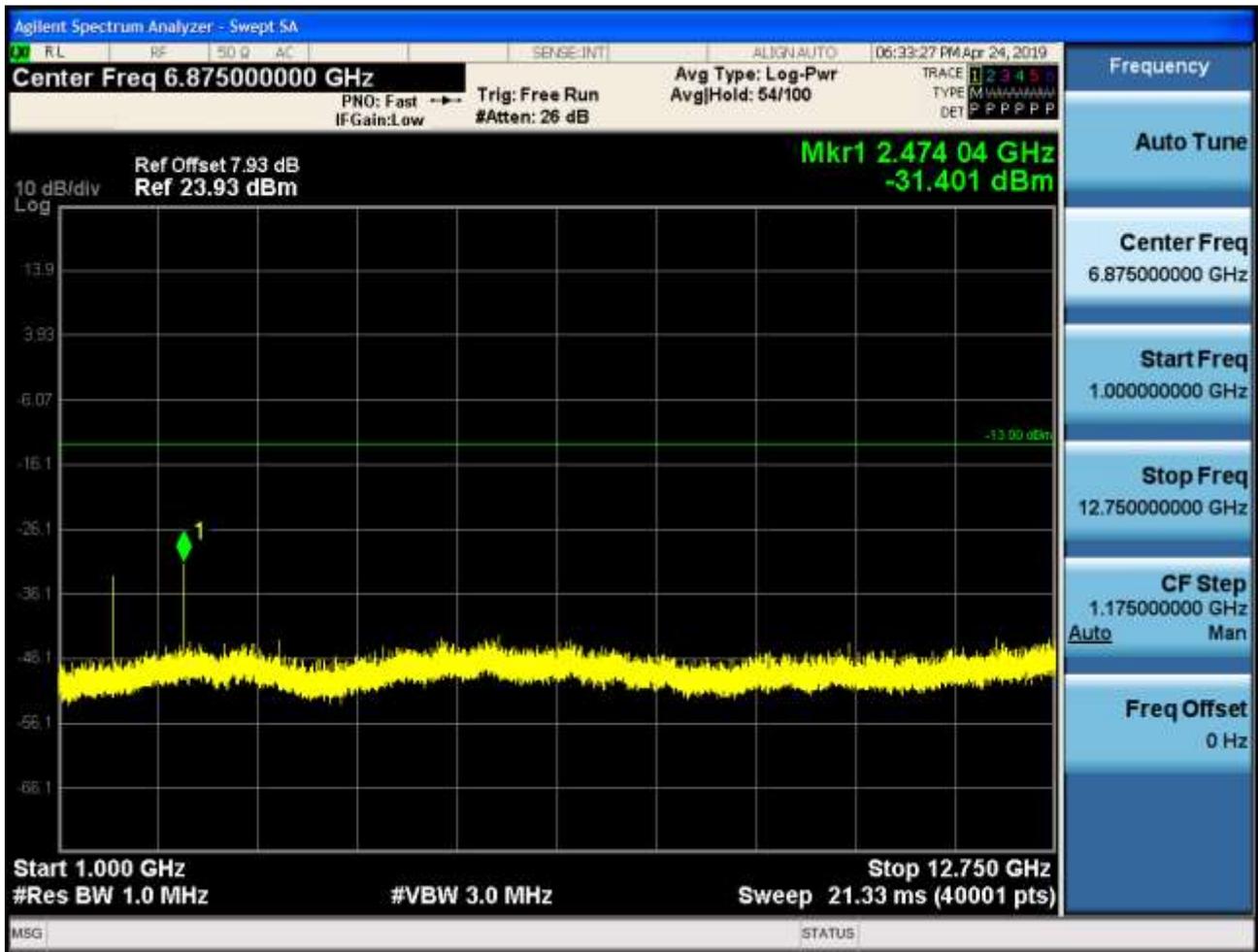
6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0







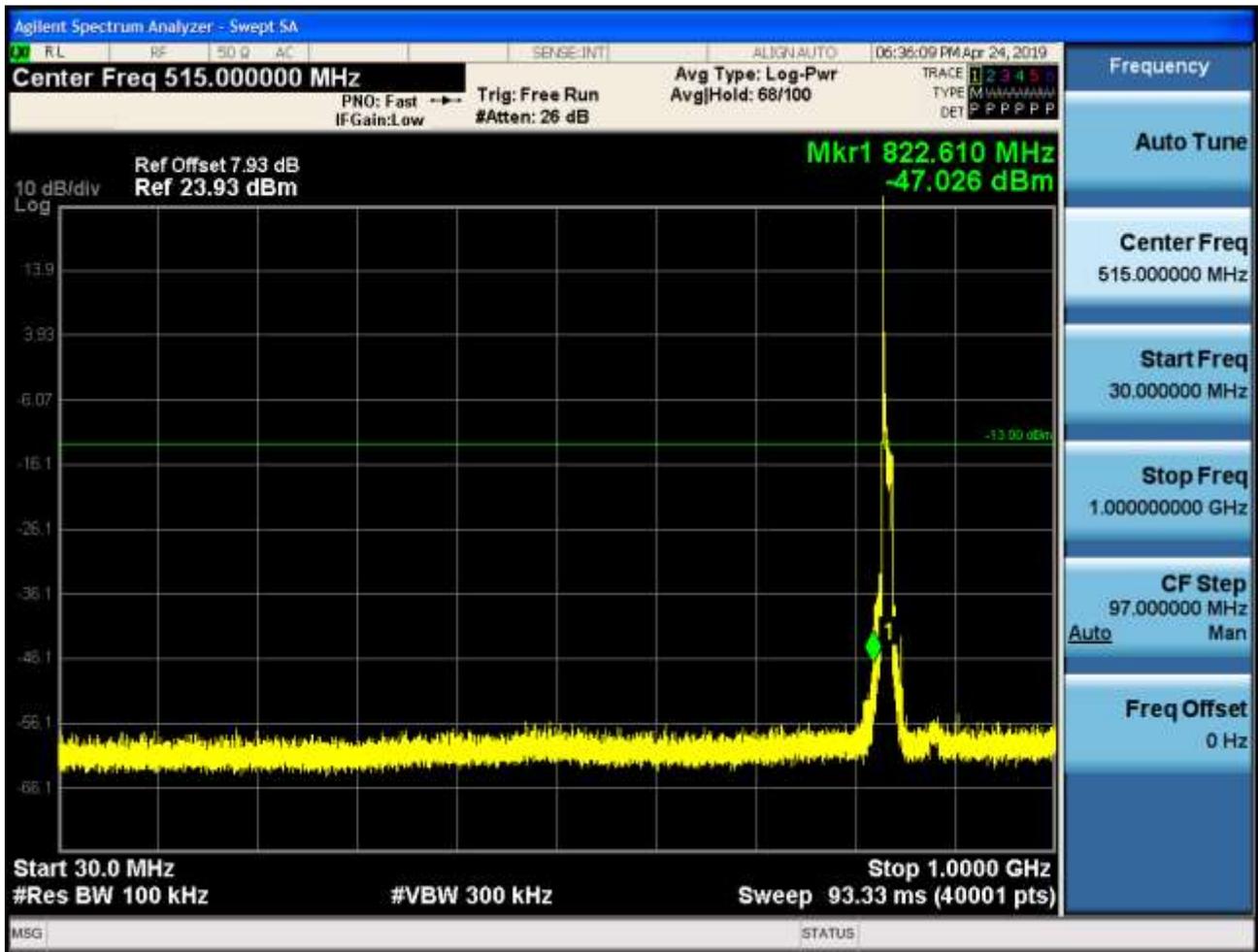


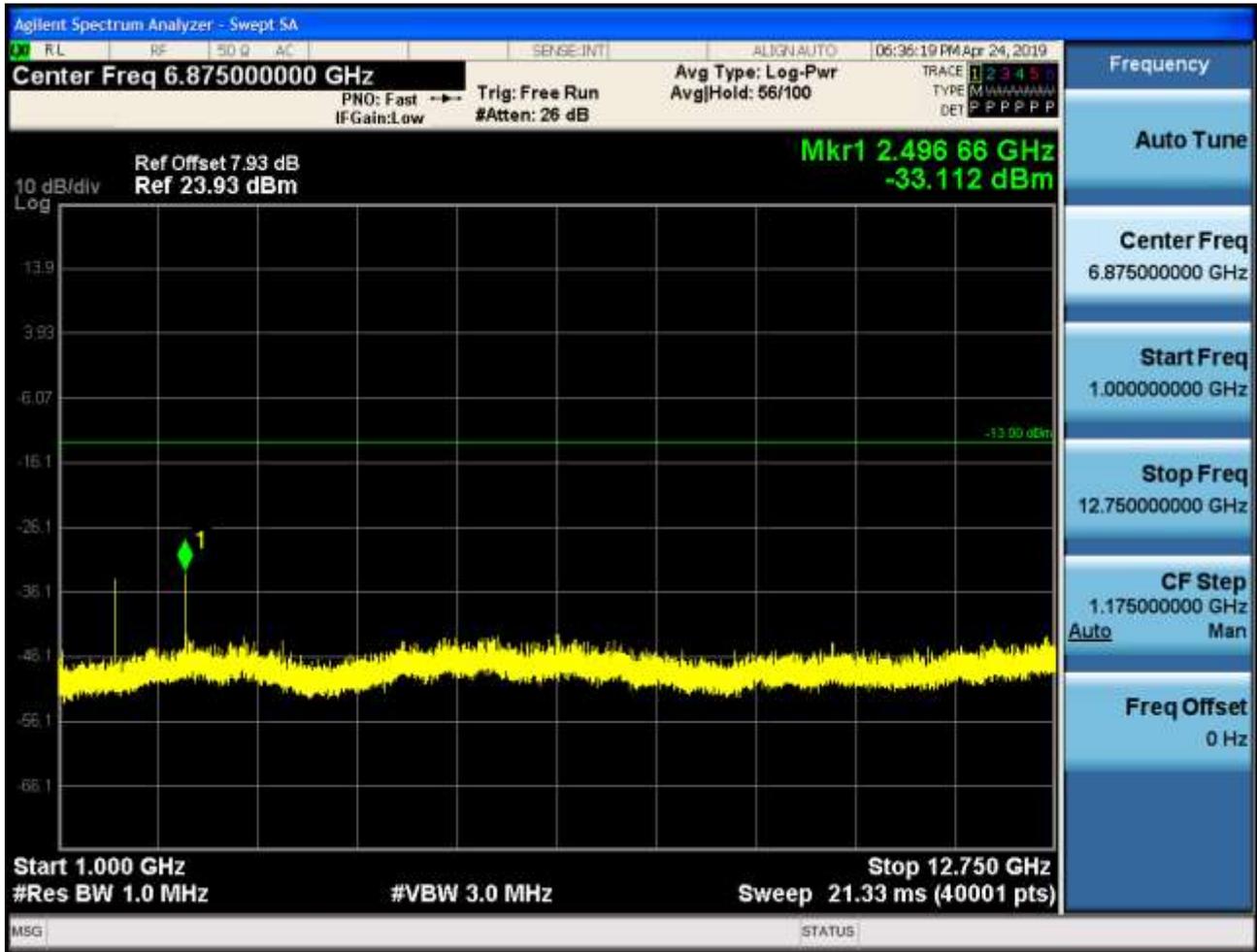


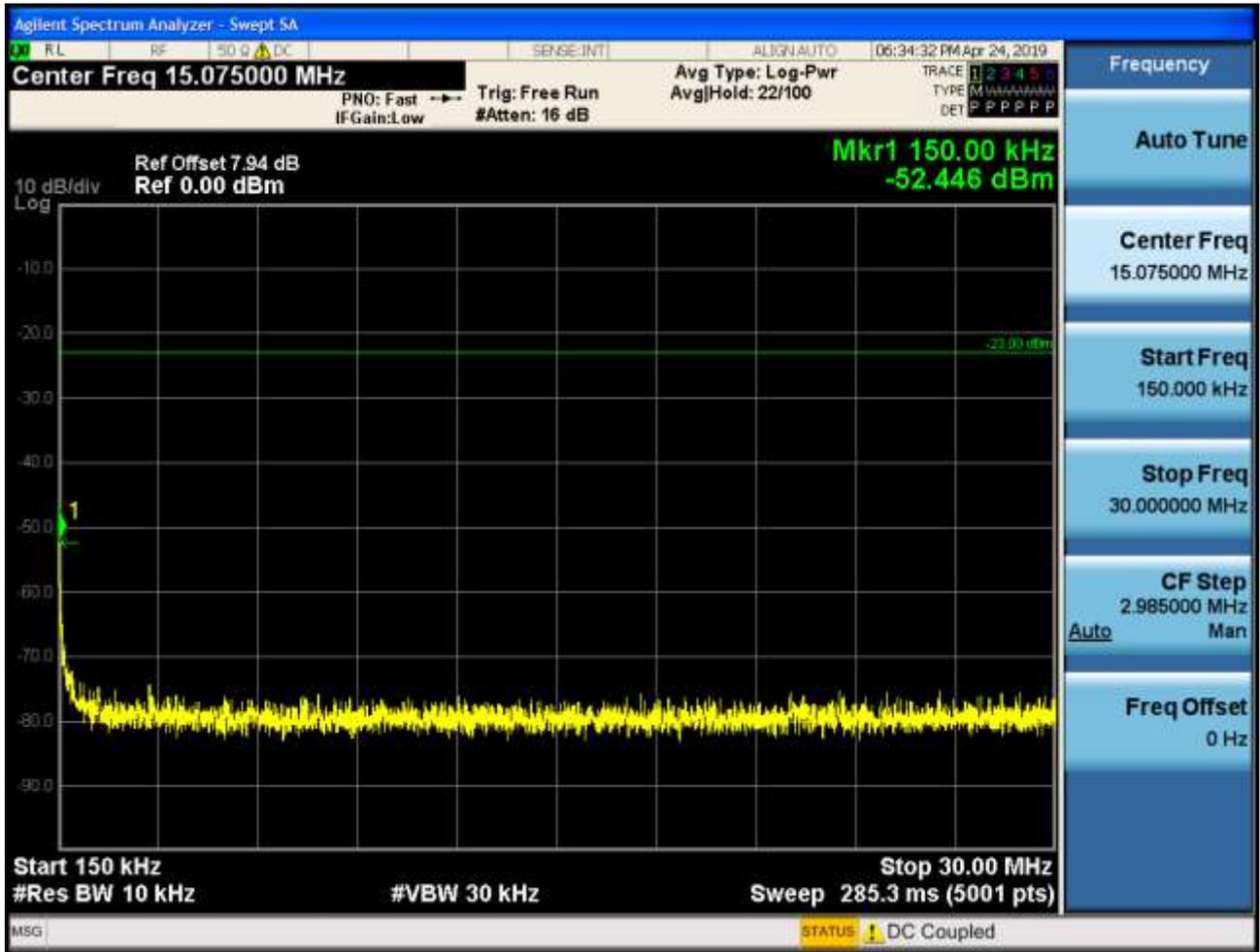
6.2.1.1.4.2 Test Channel = MCH

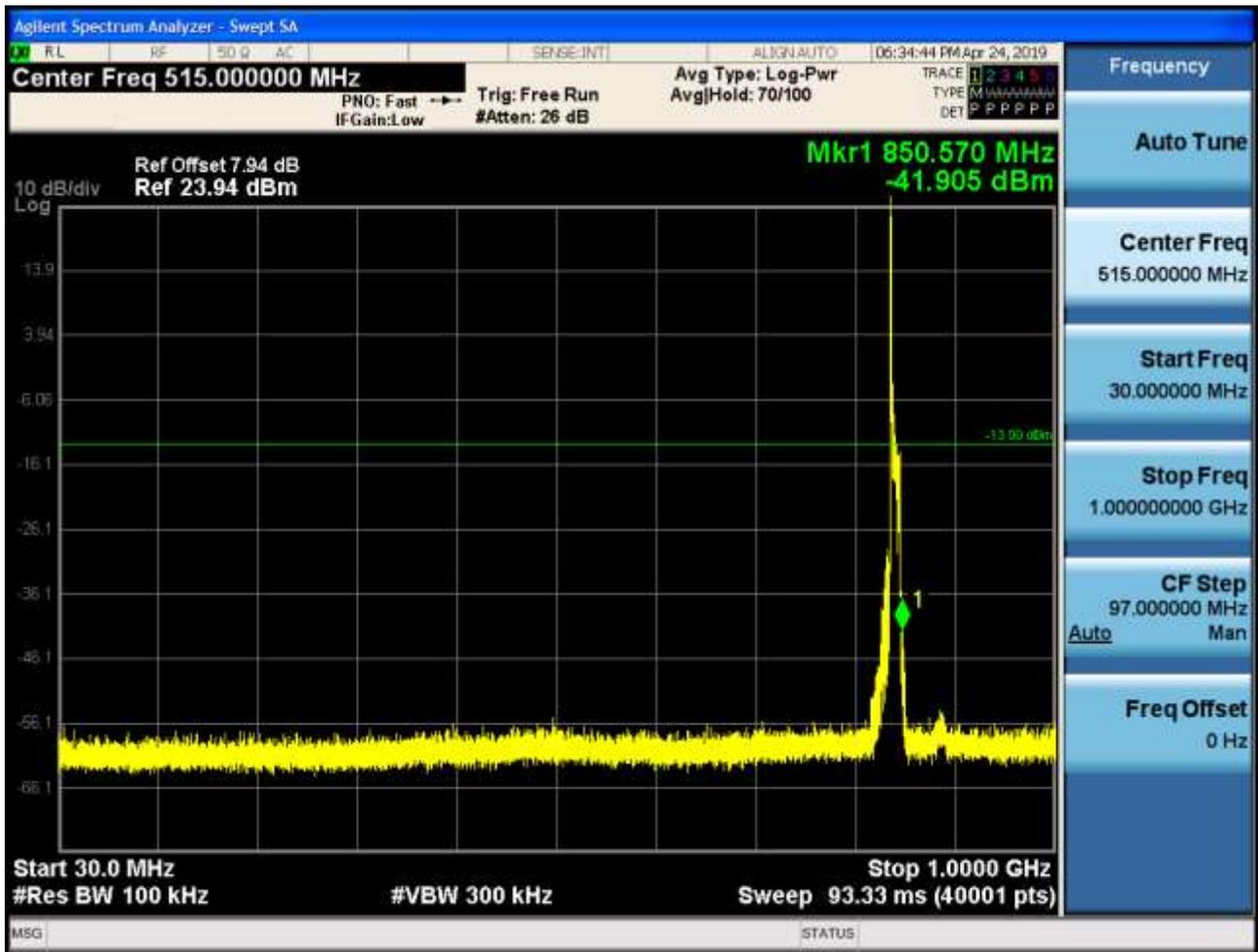
6.2.1.1.4.2.1 Test RB = RB1#0

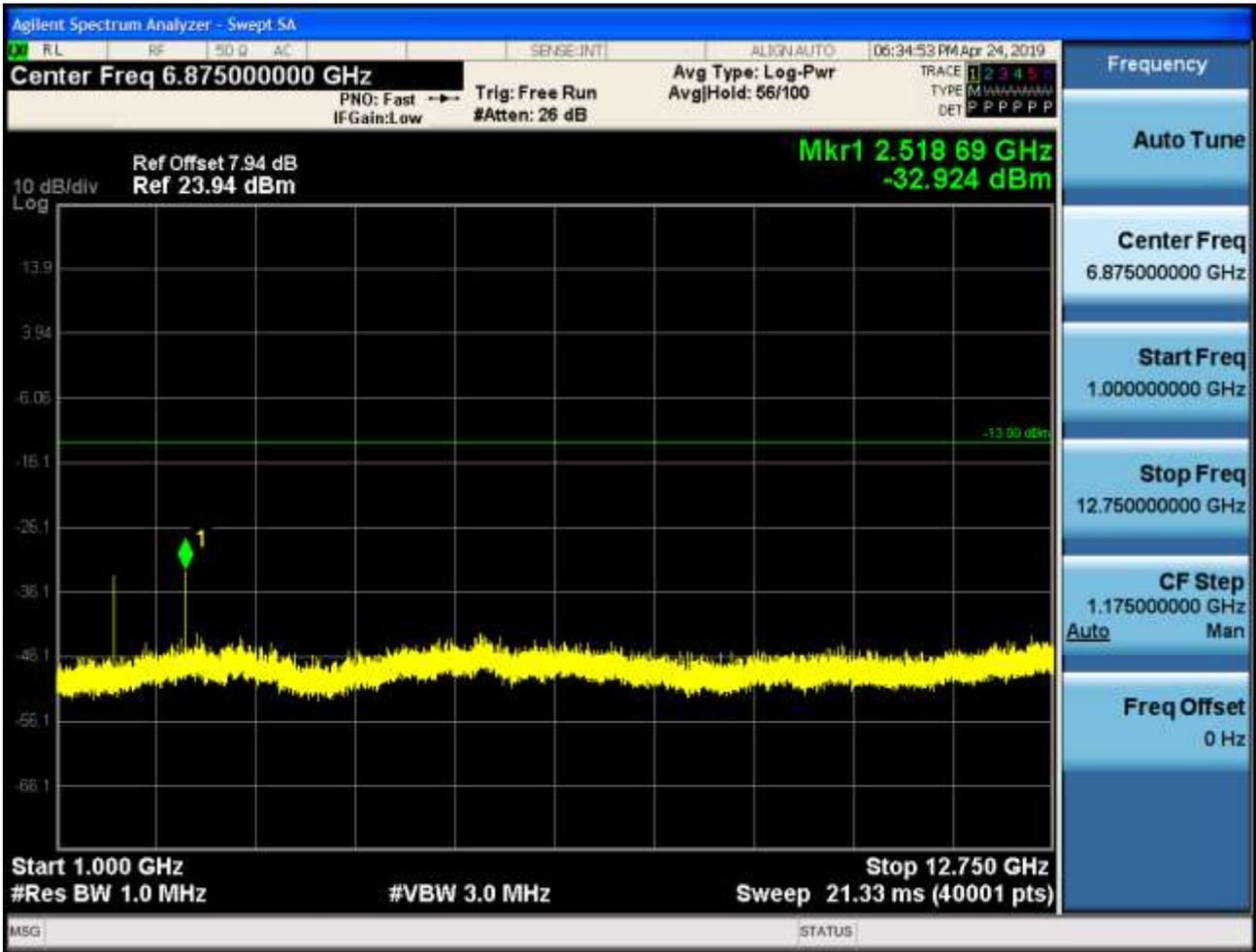














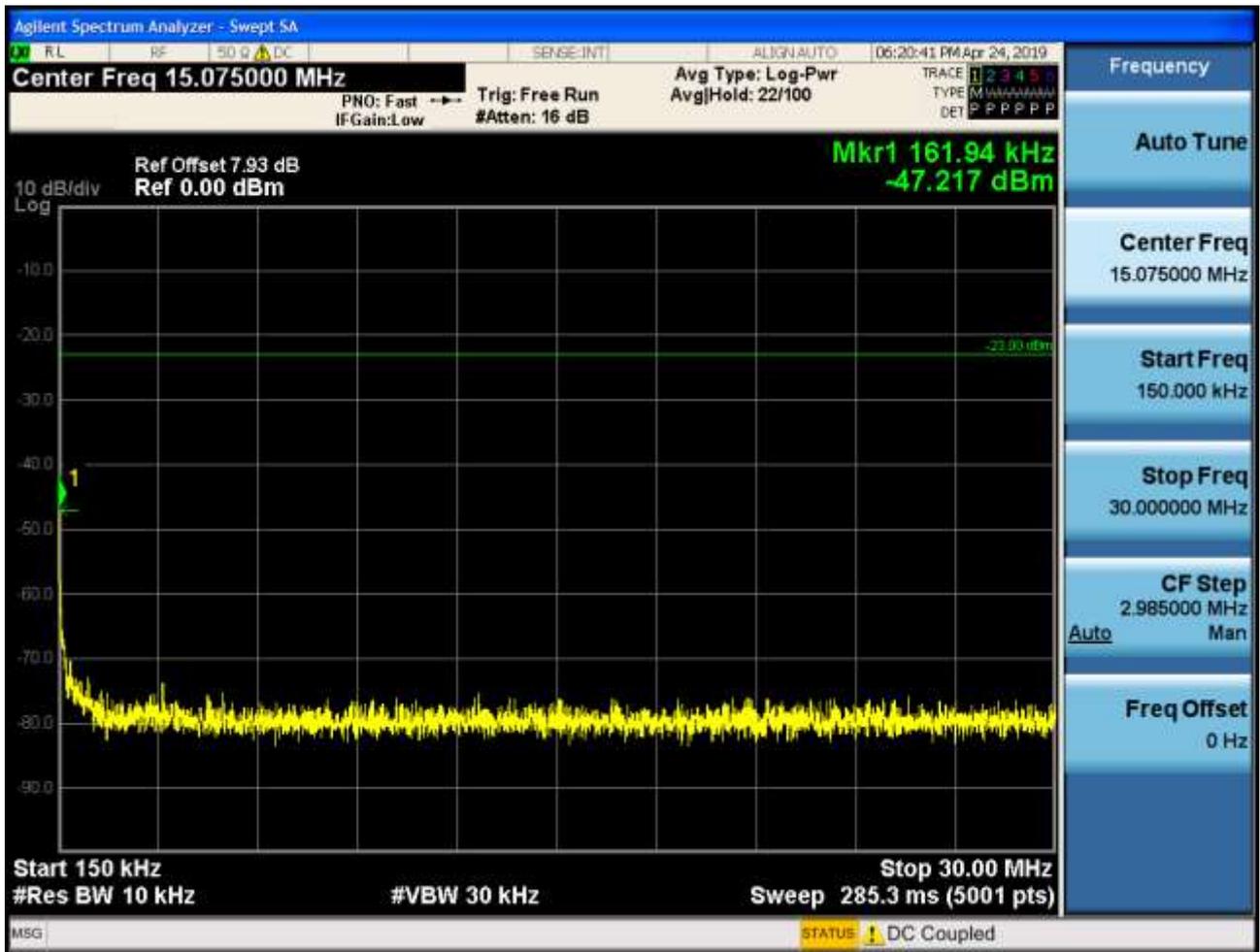
6.2.1.2 Test Mode = LTE/TM2

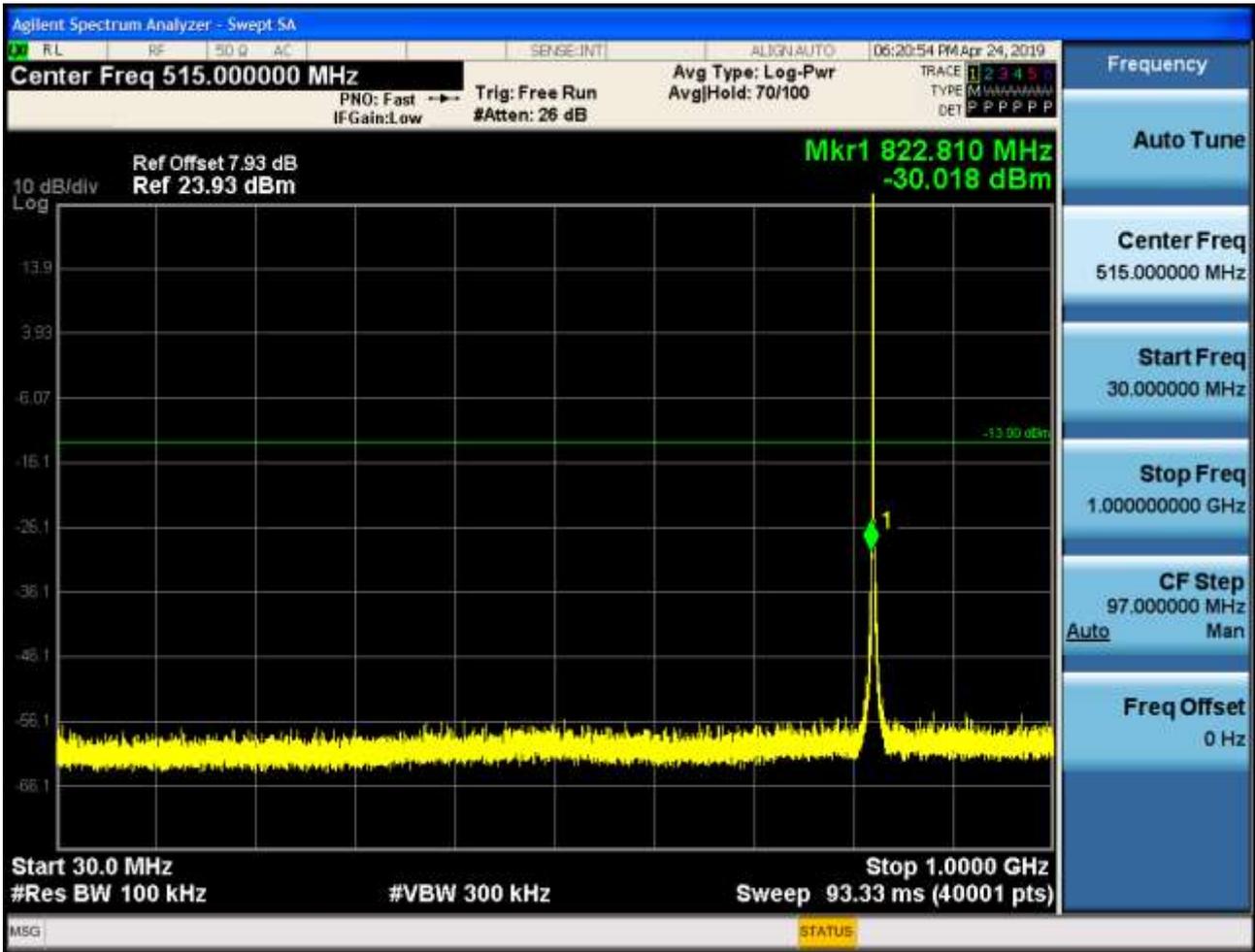
6.2.1.2.1 Test Bandwidth = 1.4

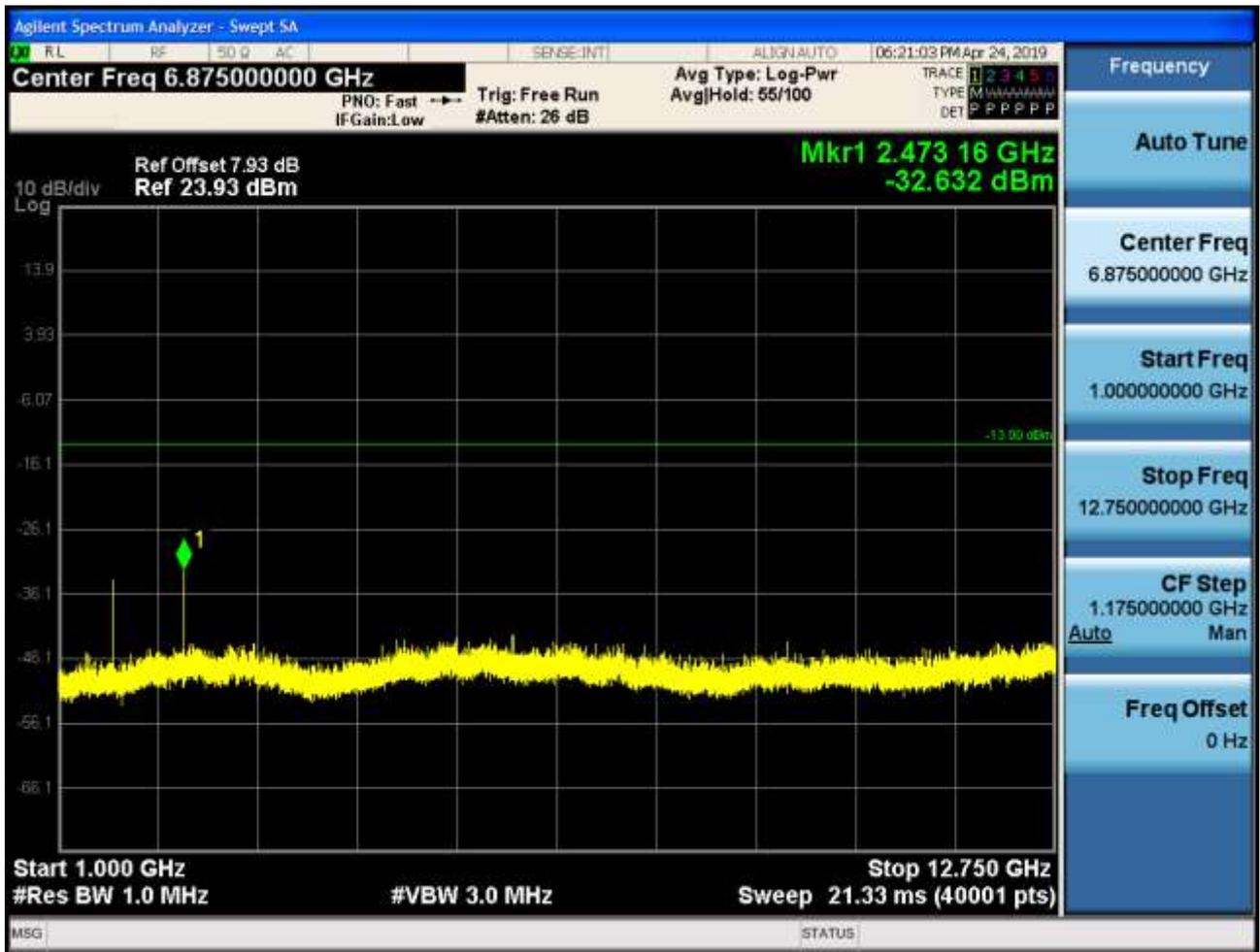
6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0







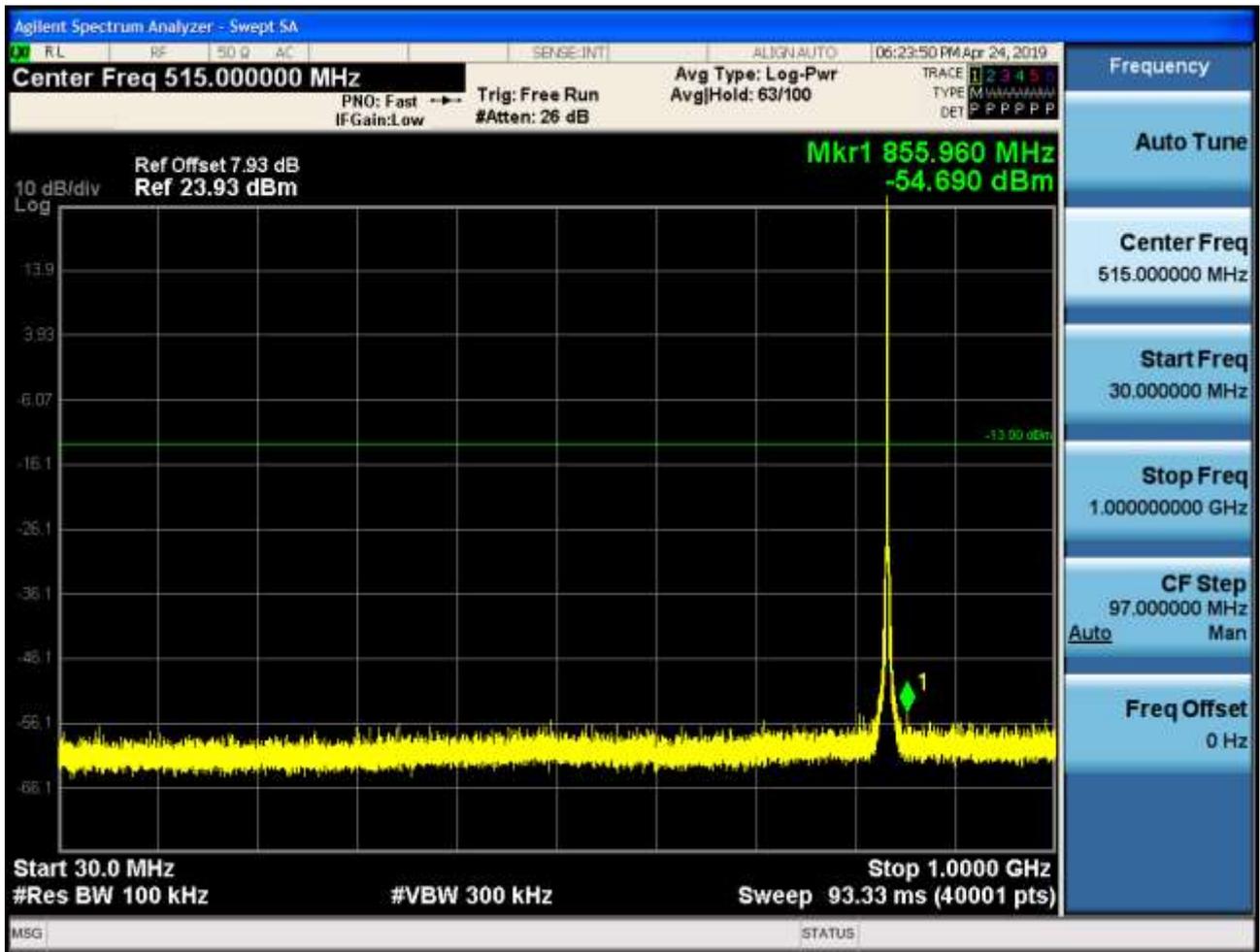




6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0



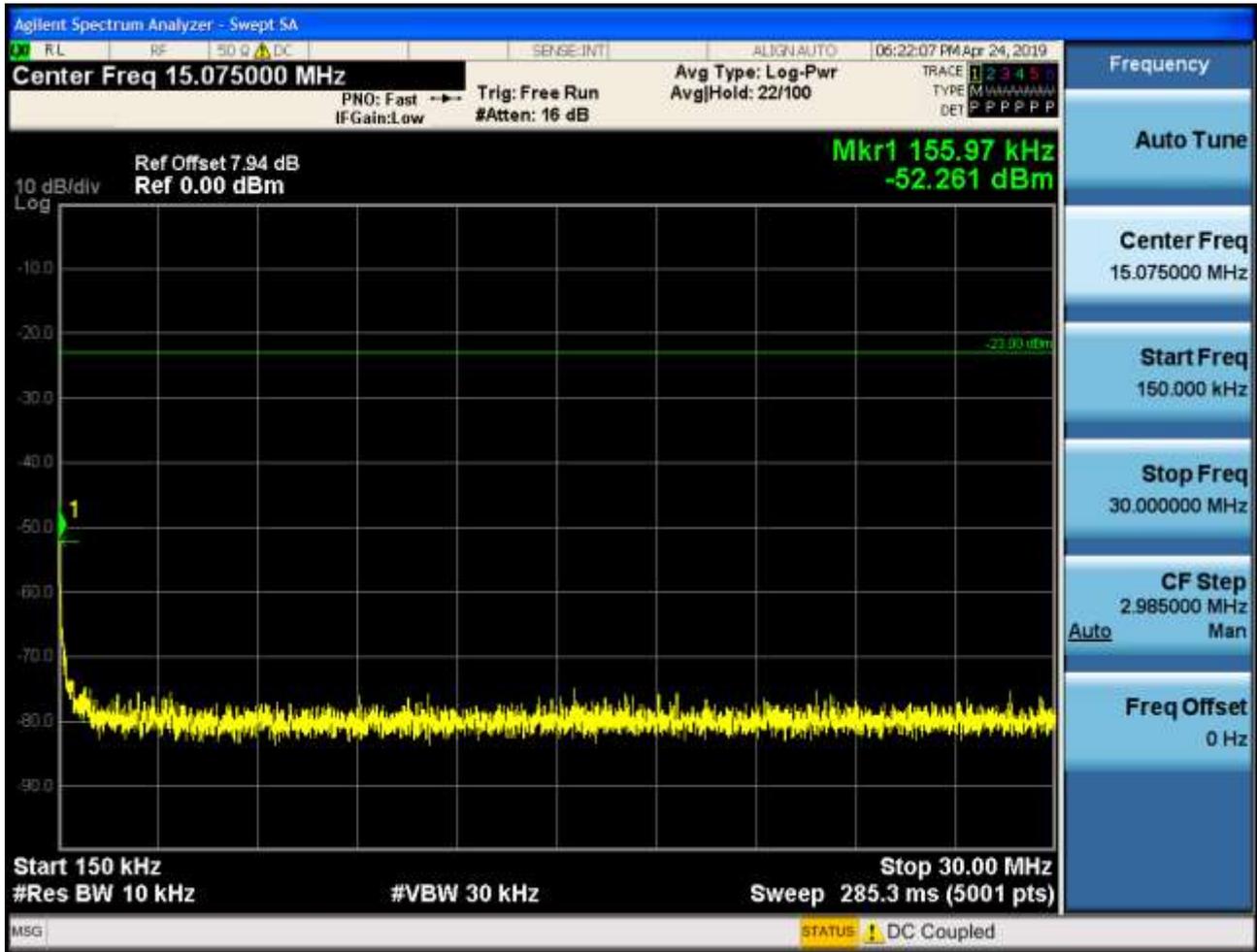


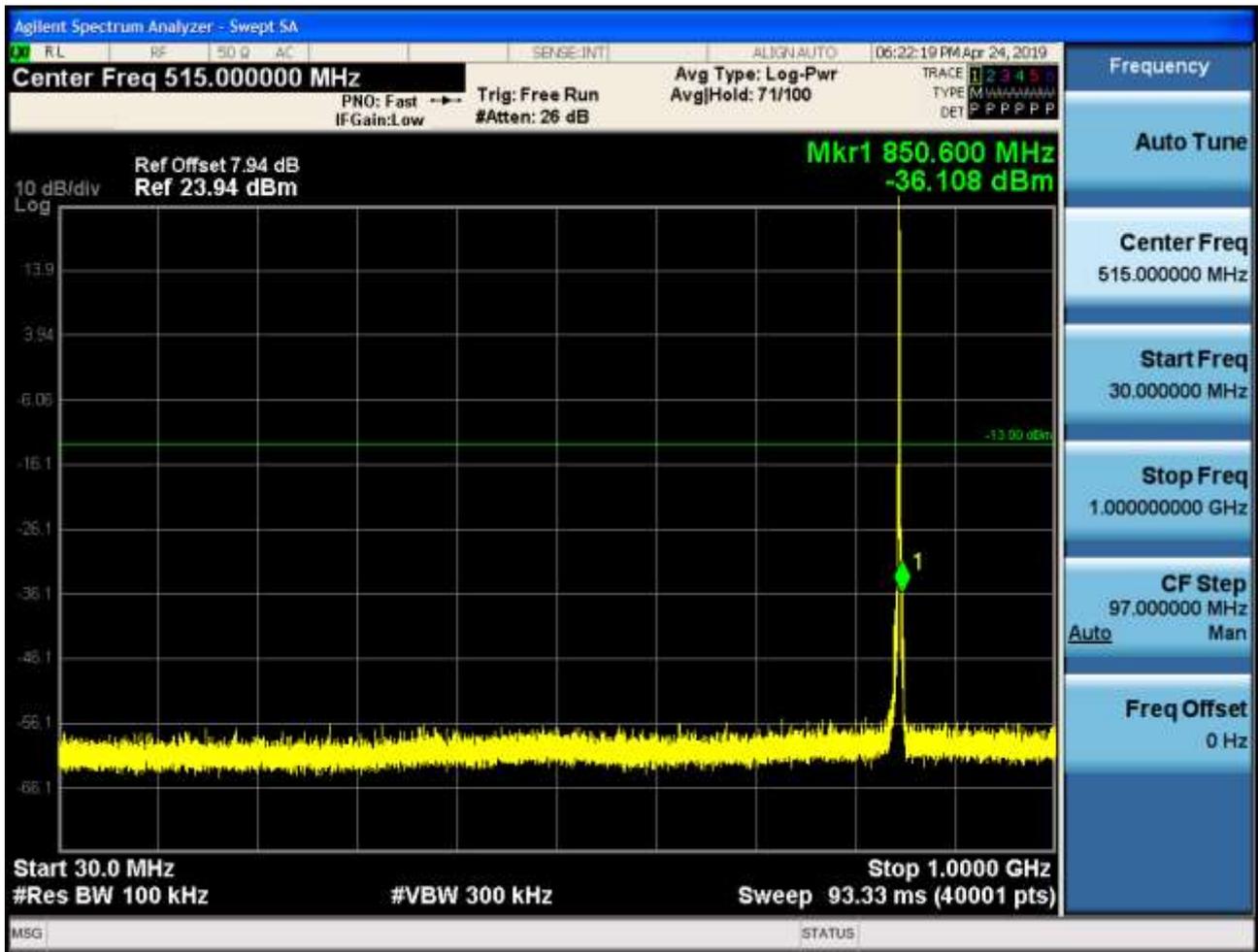


6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0







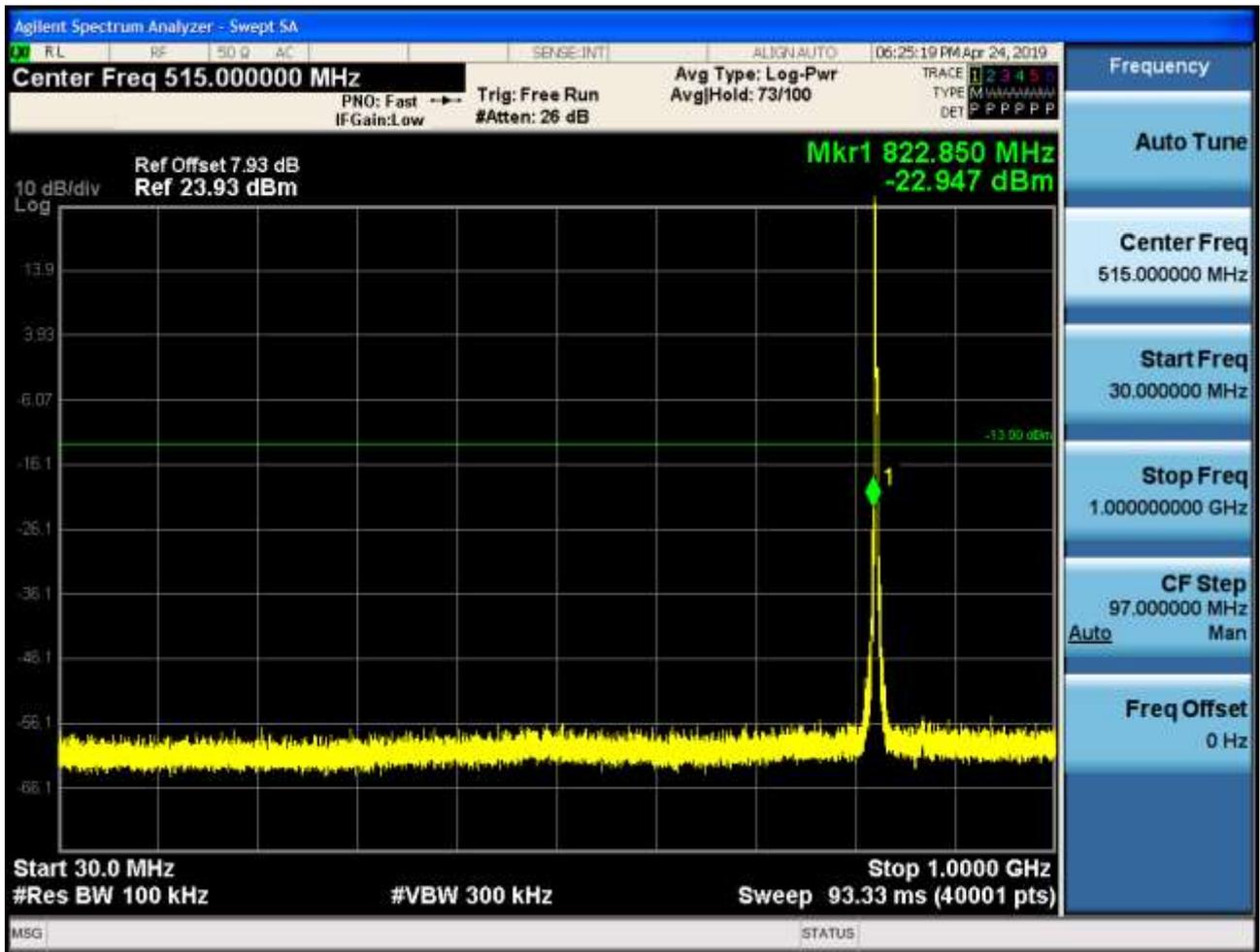


6.2.1.2.2 Test Bandwidth = 3

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0



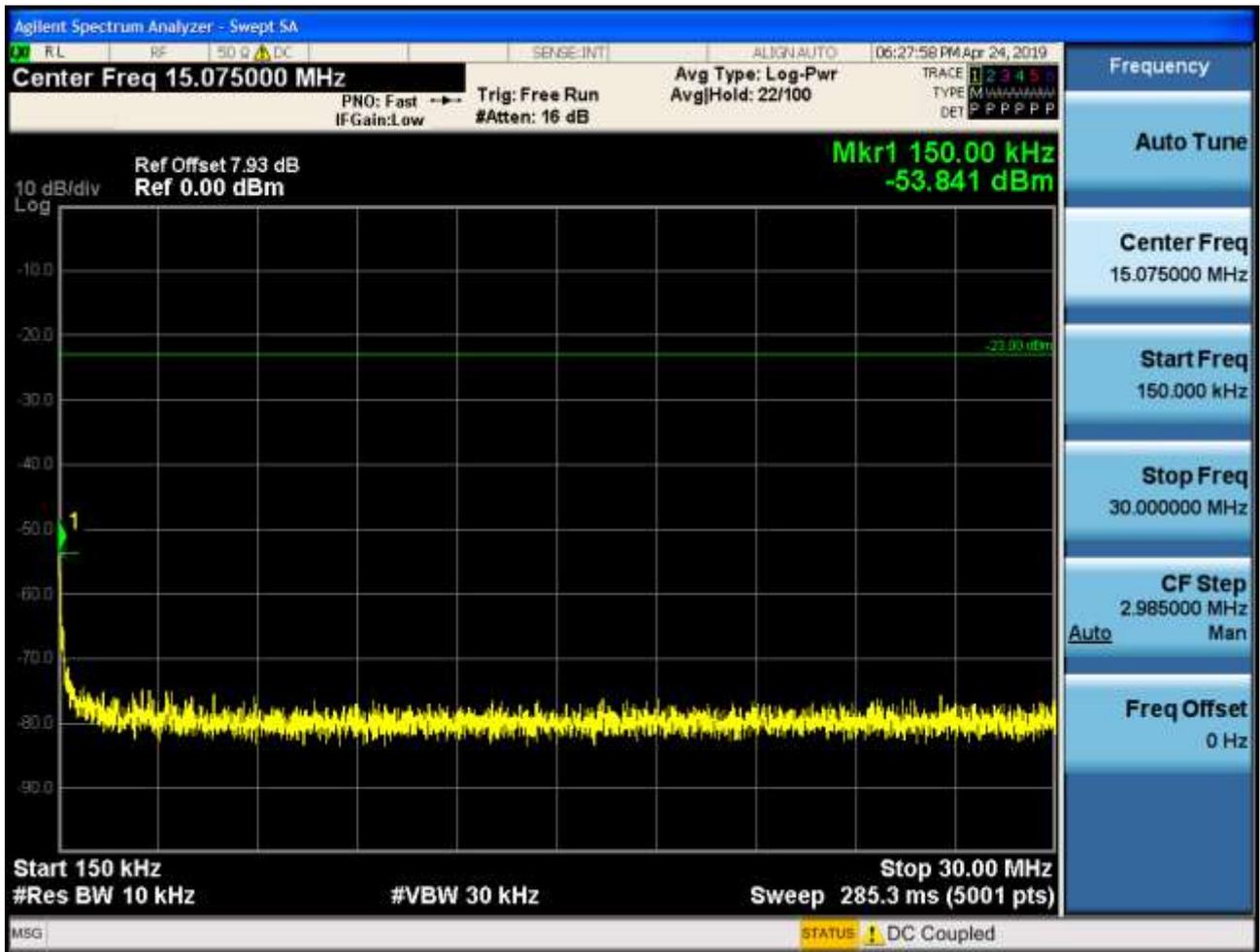


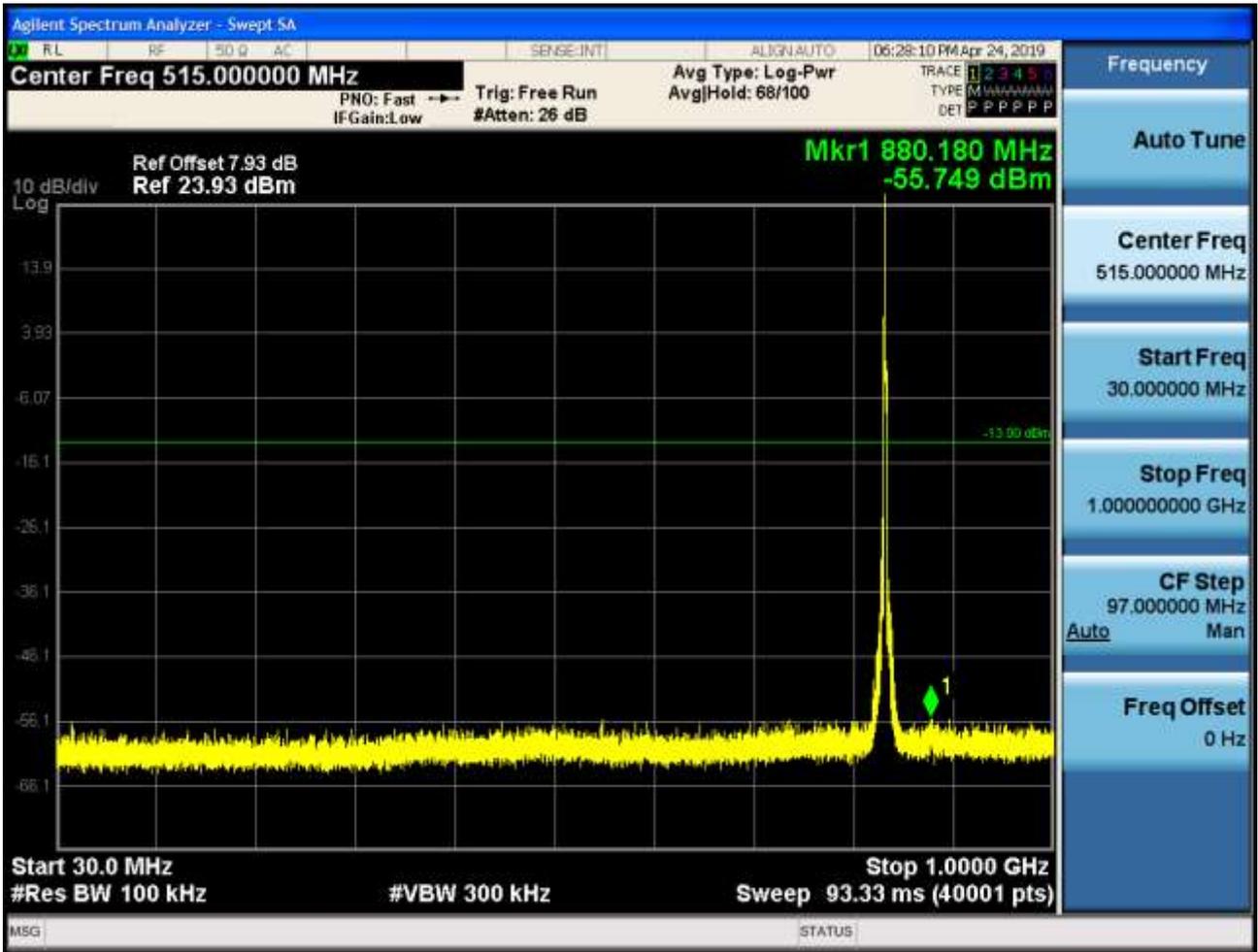


6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0







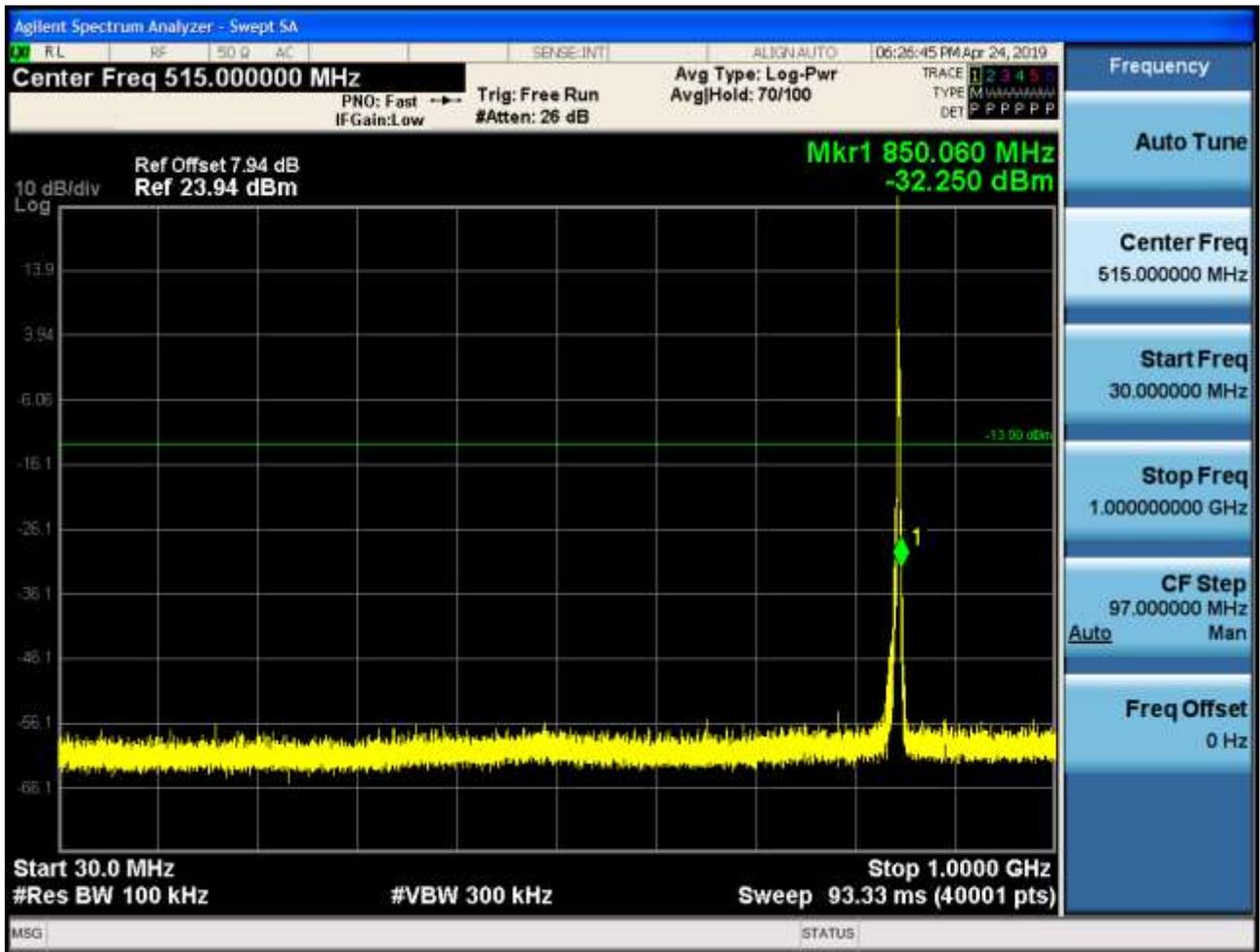




6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0





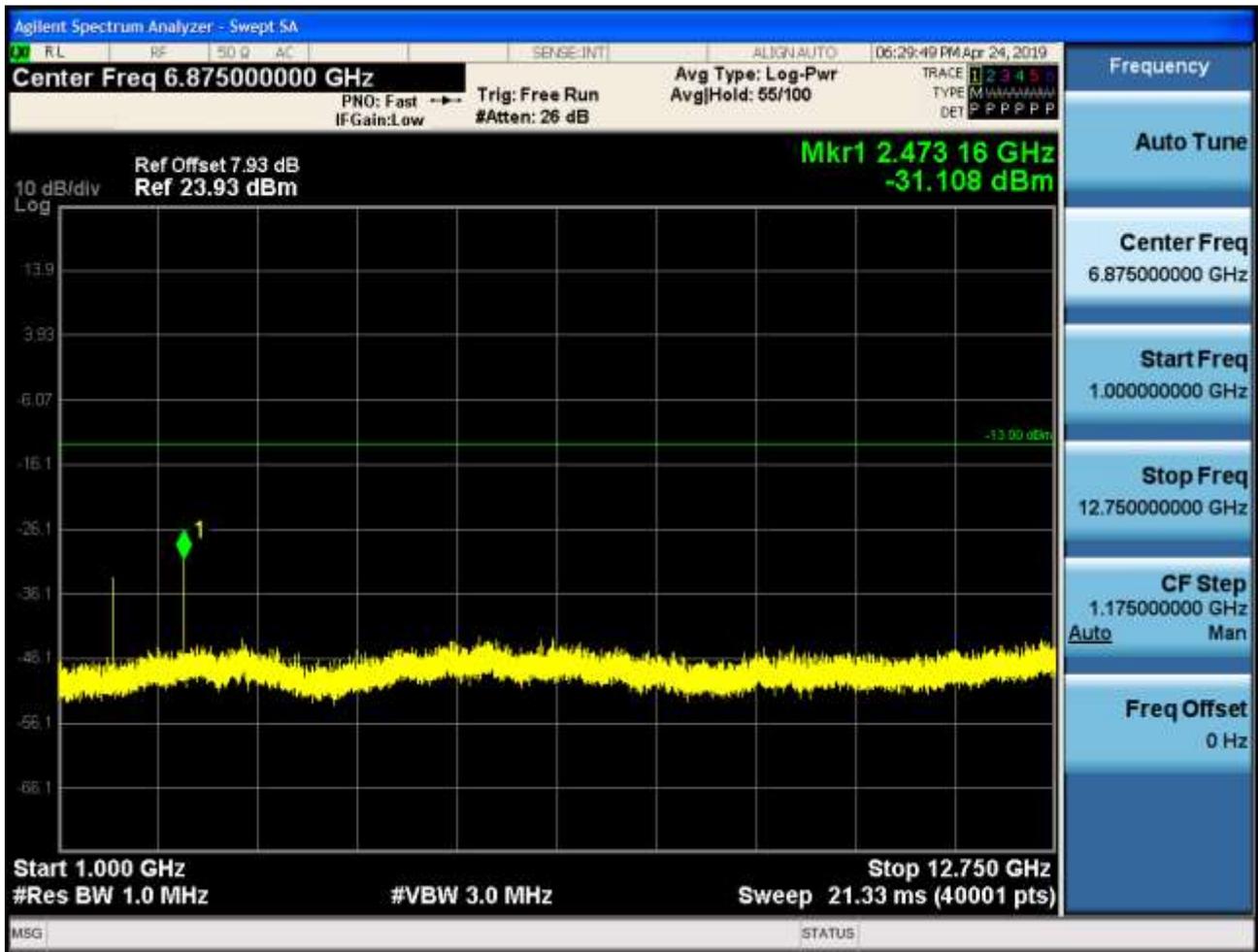


6.2.1.2.3 Test Bandwidth = 5

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0



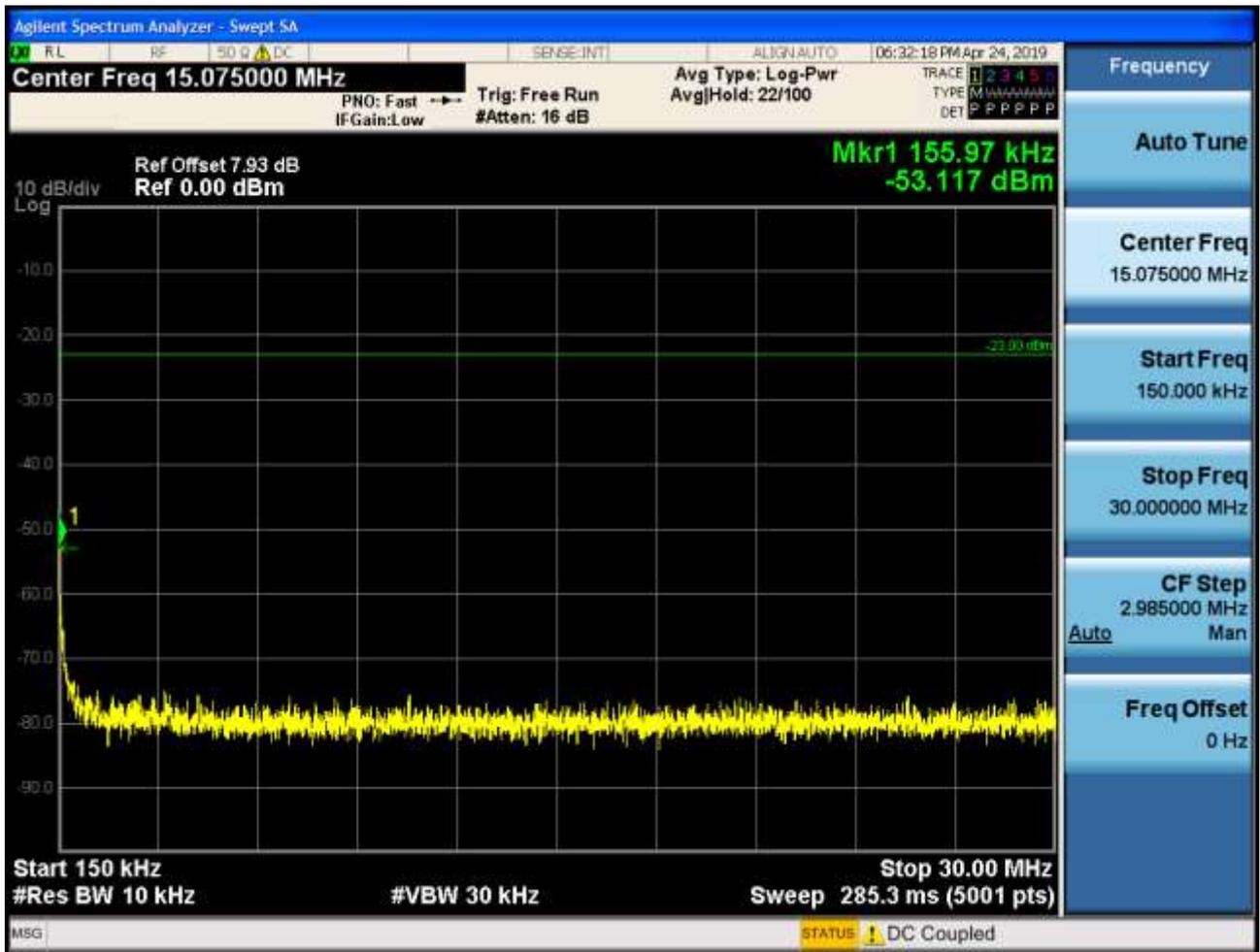


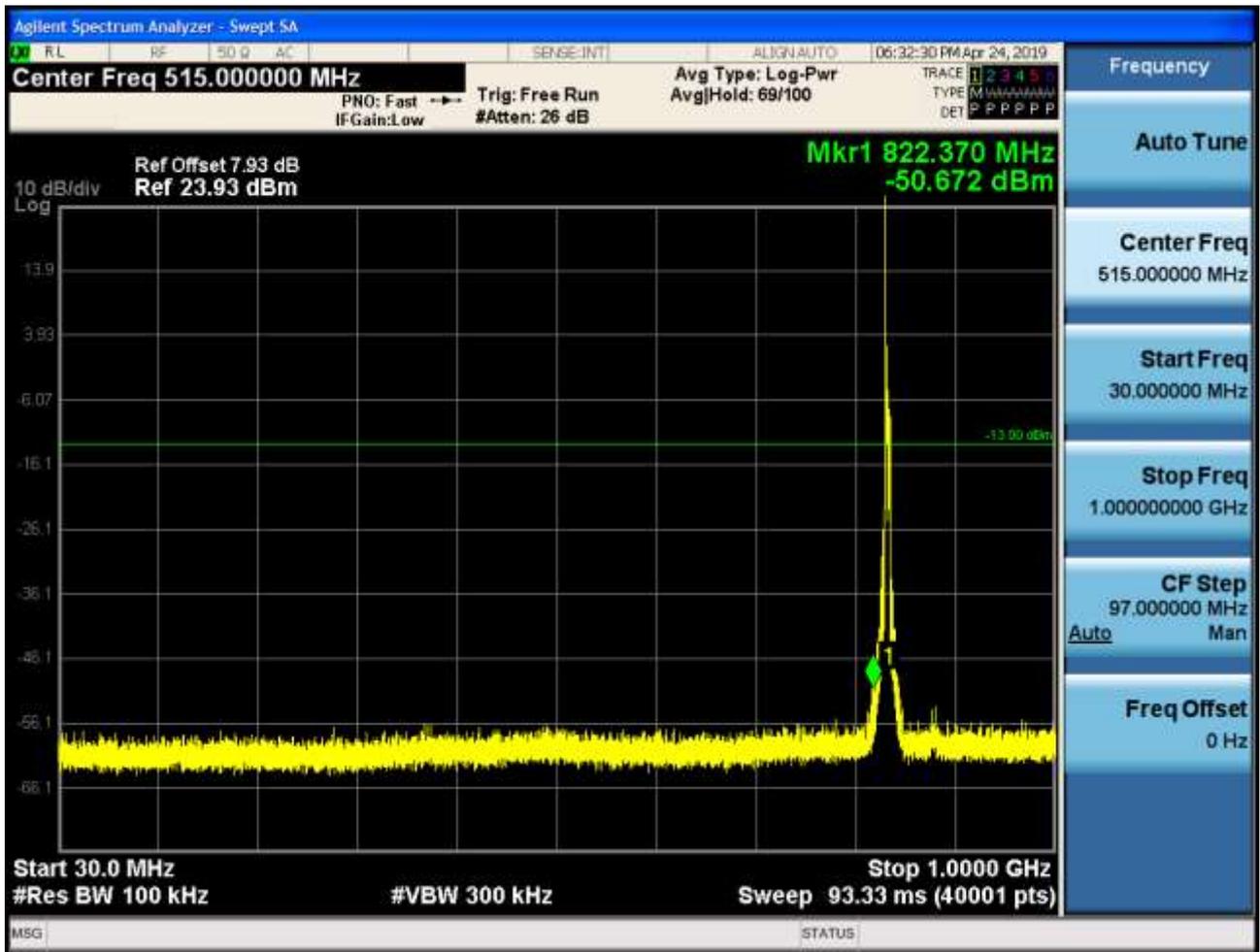


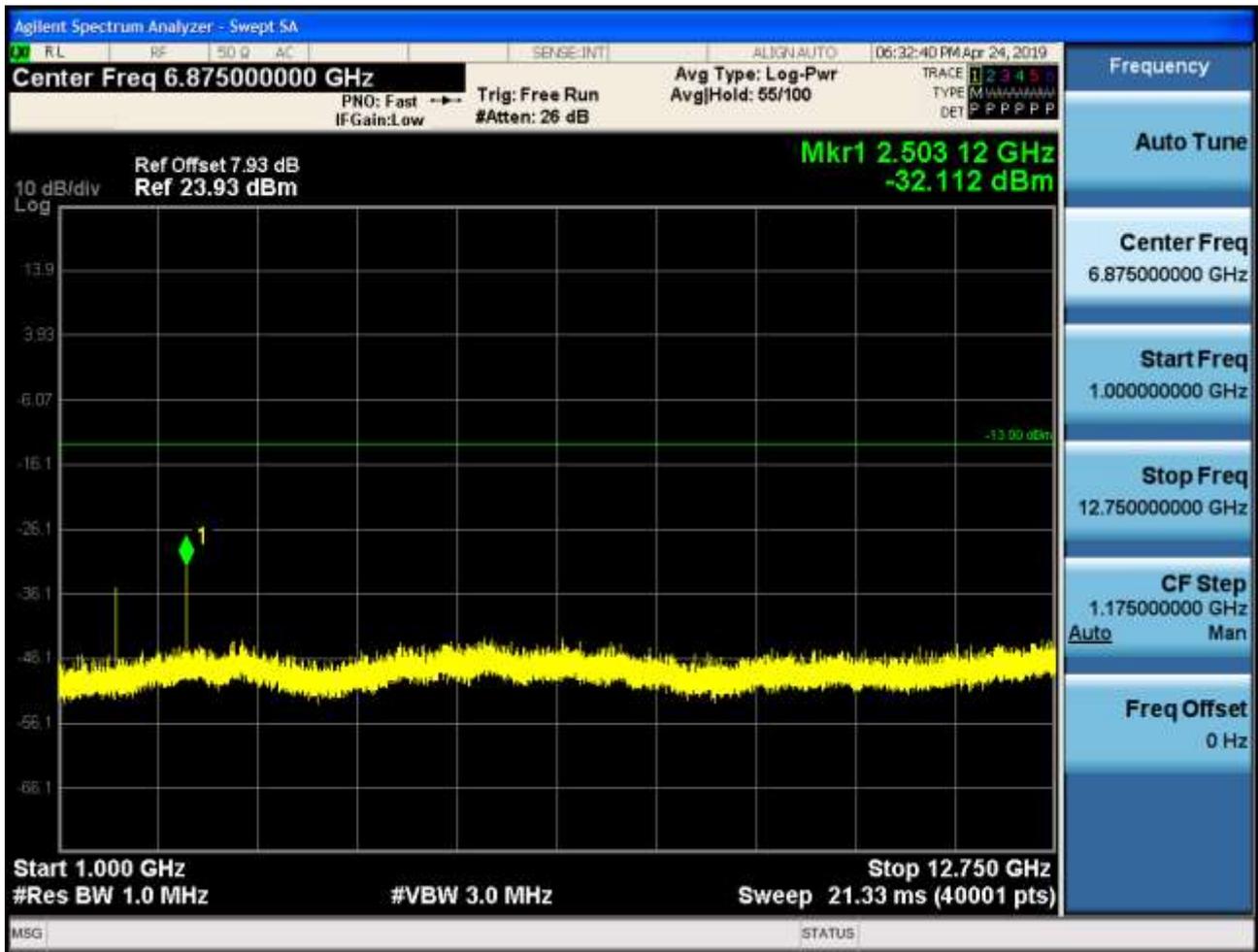
6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0







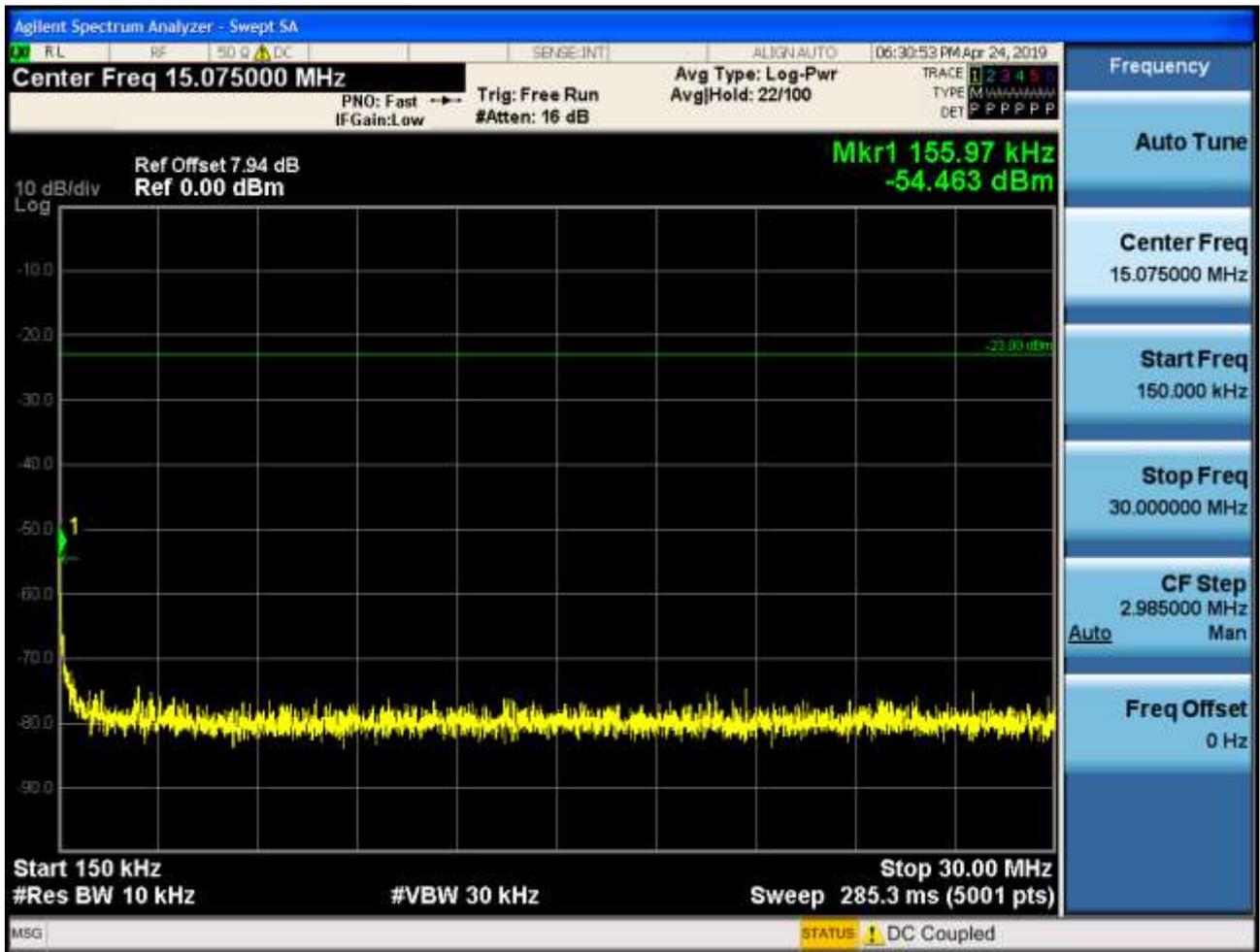


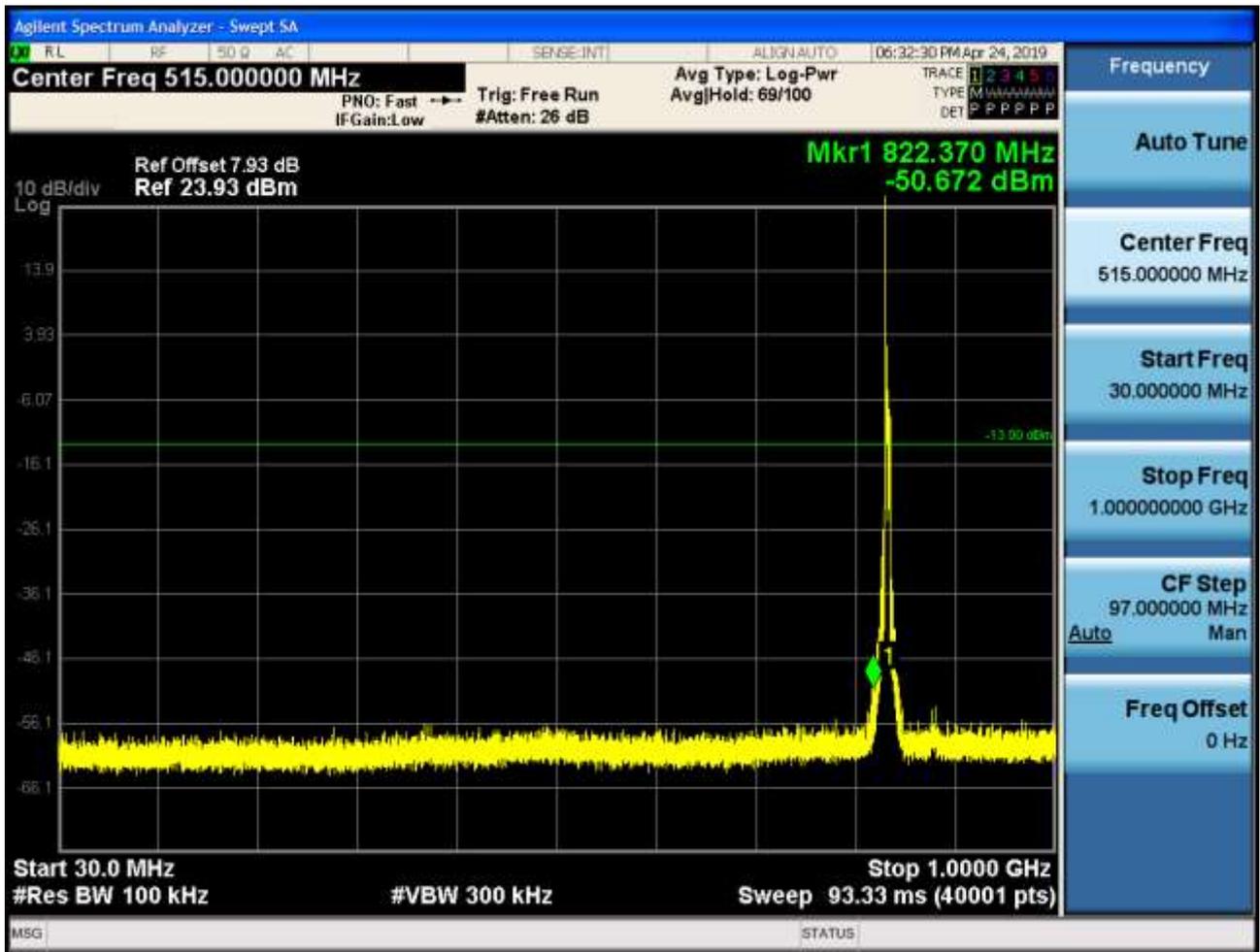


6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0









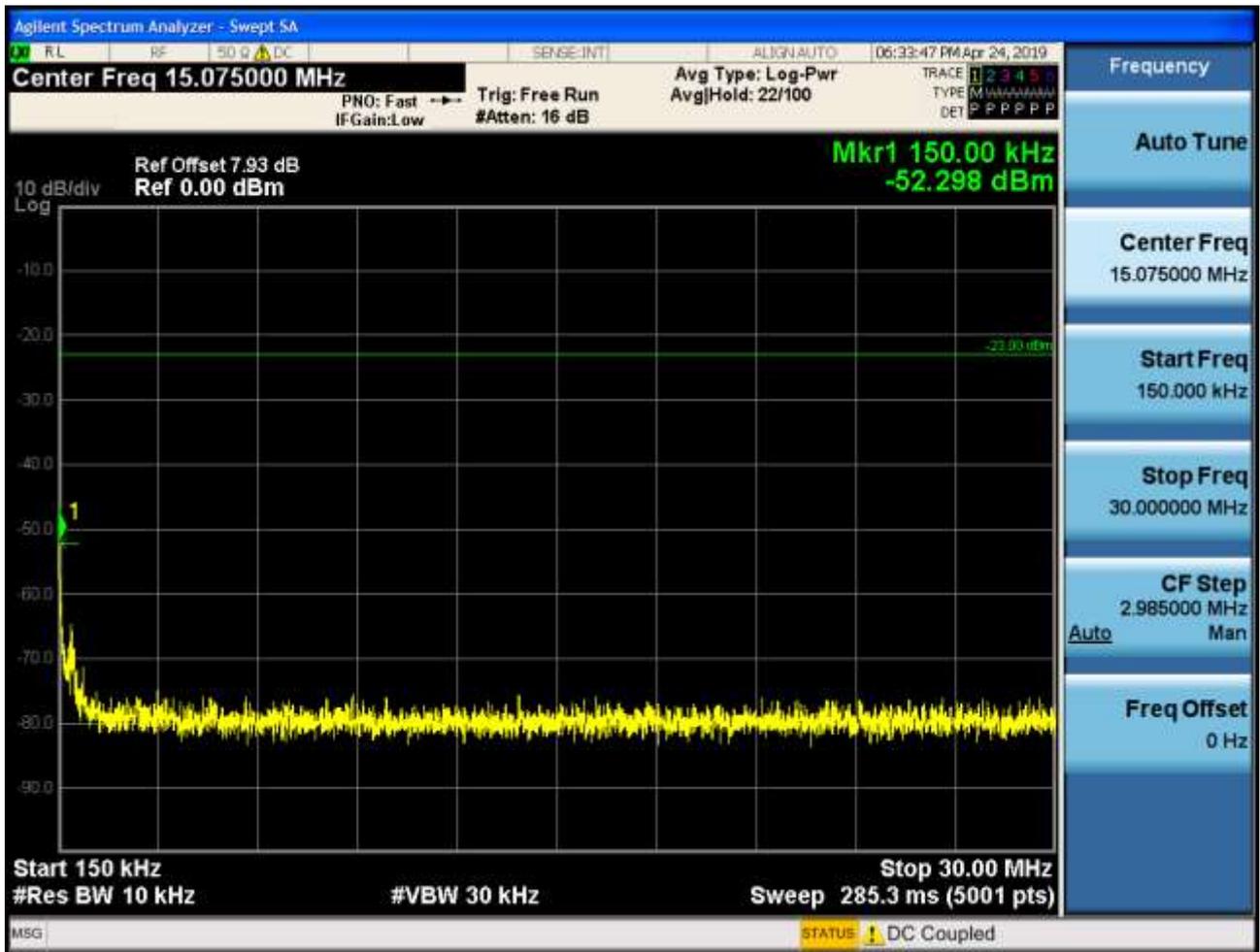


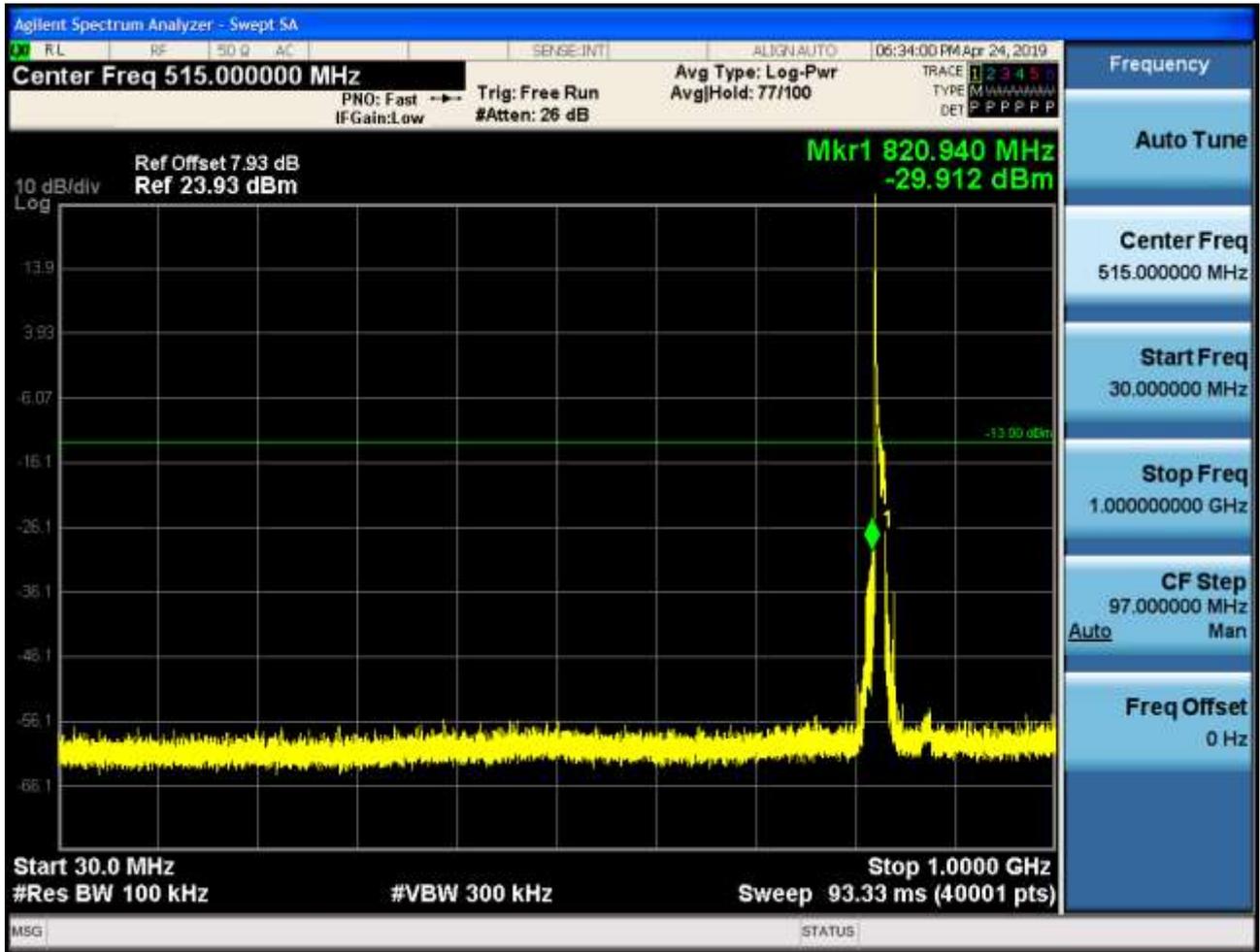
6.2.1.2.4 Test Bandwidth = 10

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

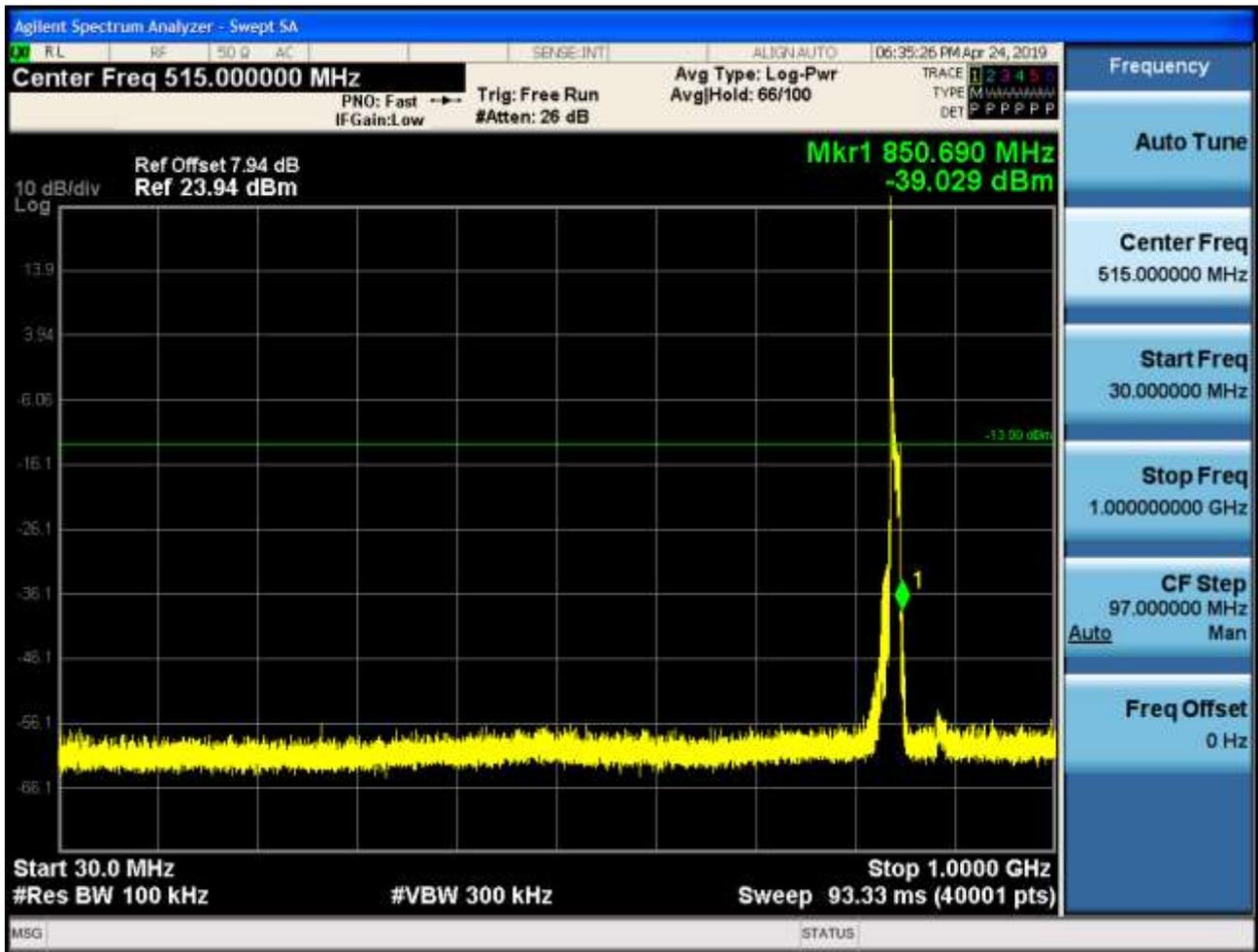




6.2.1.2.4.3 Test Channel = HCH

6.2.1.2.4.3.1 Test RB = RB1#0





7Appendix_G: Field Strength of Spurious Radiation

Note:

1. We tested all modes, but the data presented below is the worst case.
2. For Wireless charging protective case we only tested the RSE of 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

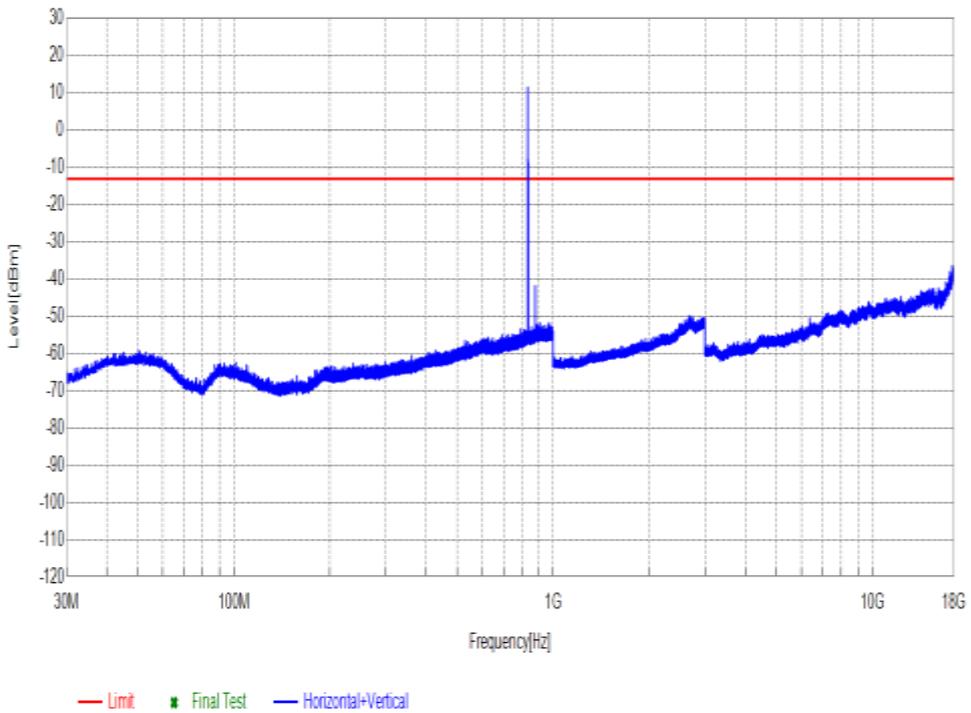
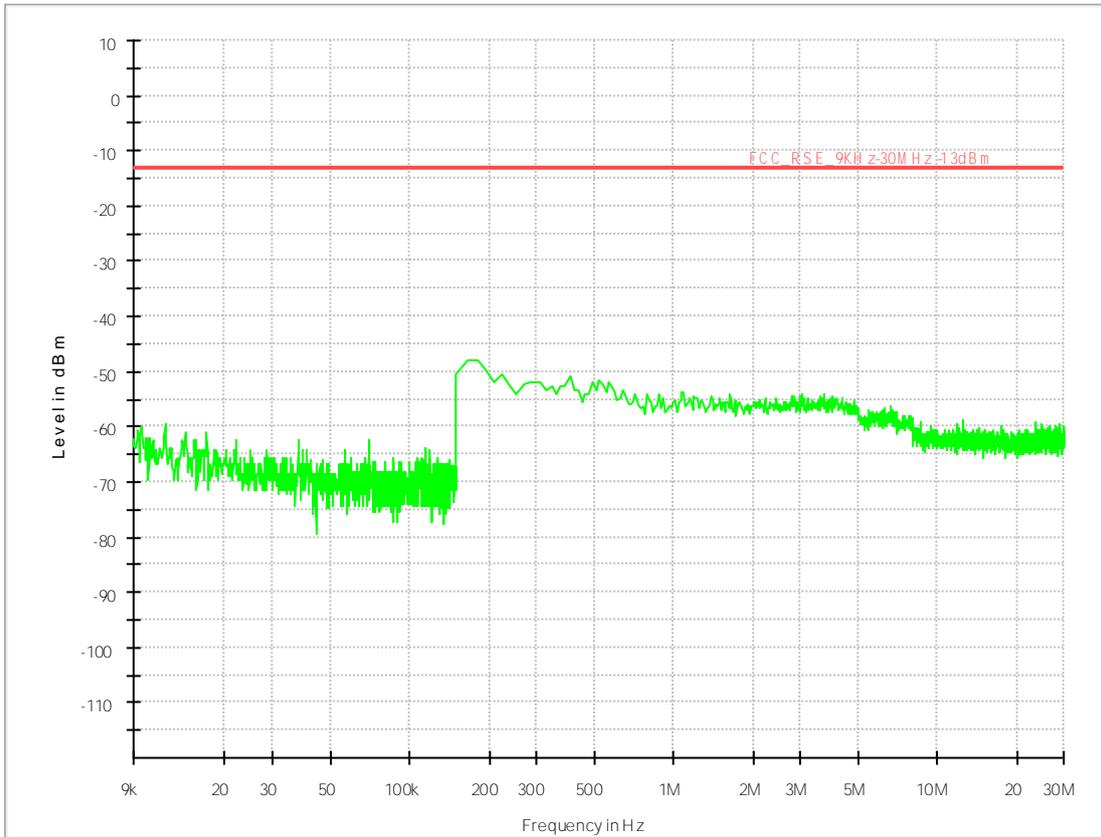
Part I - Test Plots

7.1 For LTE

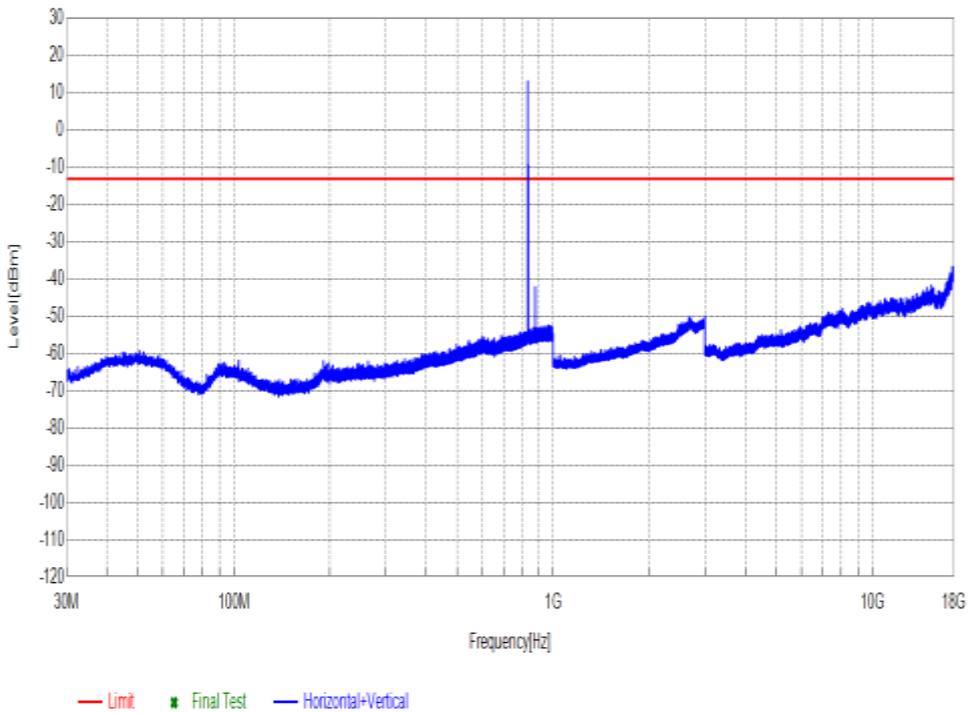
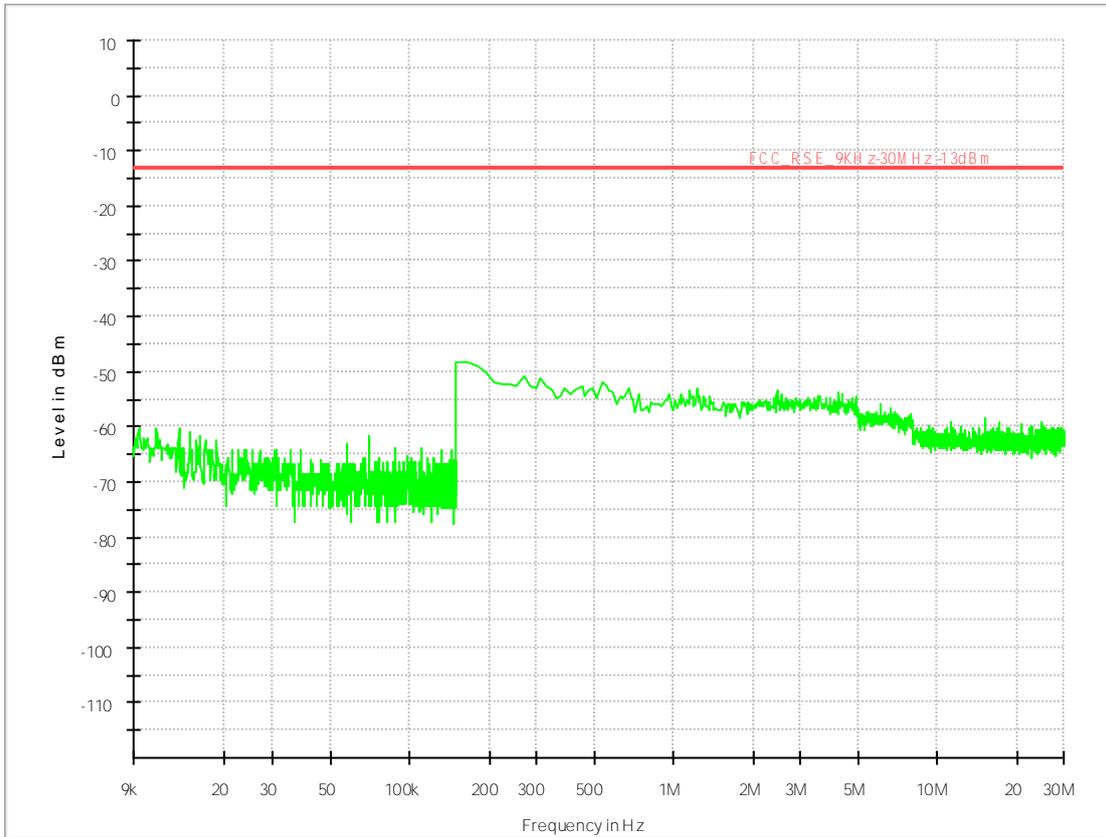
7.1.1 Test Band = Band5

7.1.1.1 Test Bandwidth = 1.4

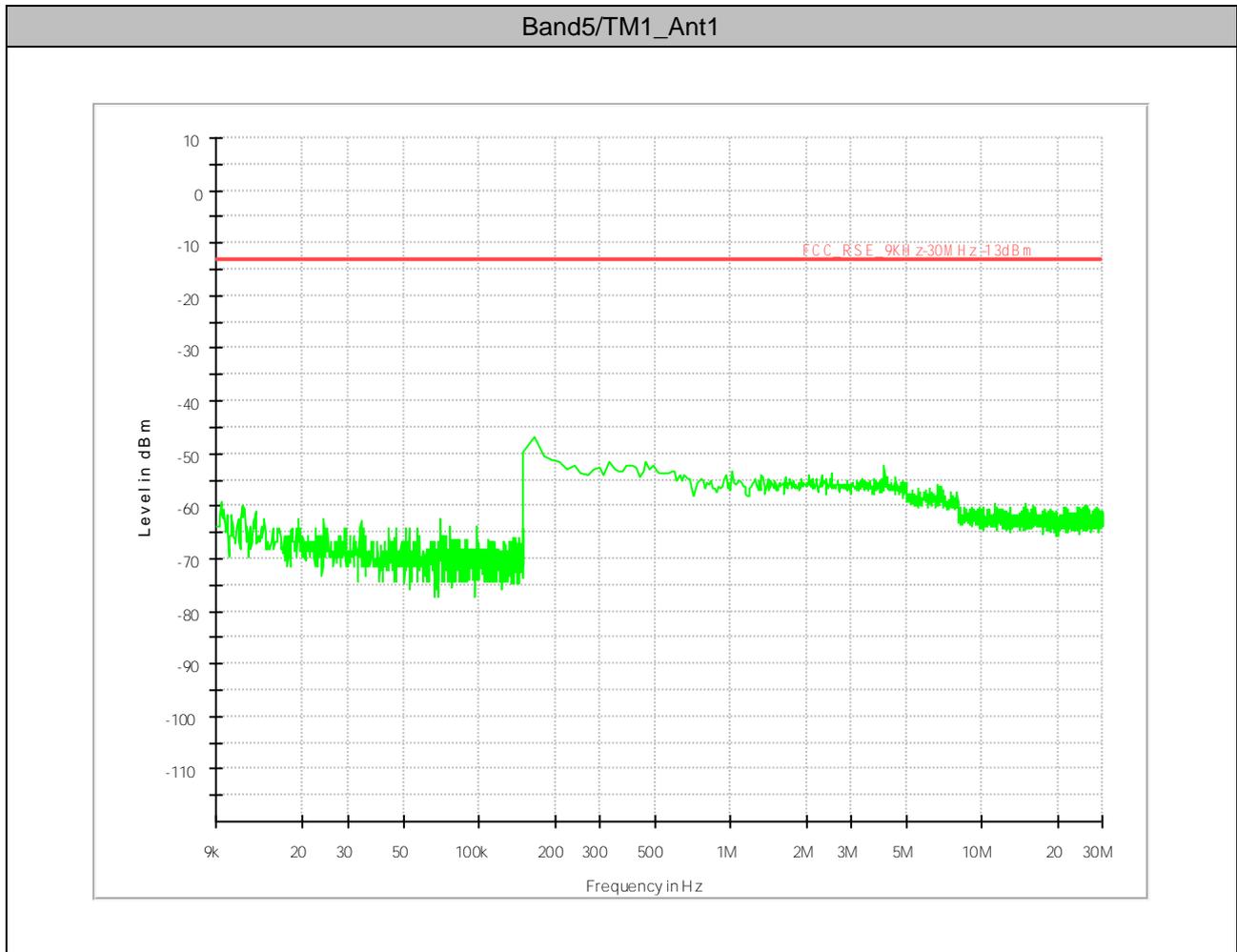
Band5/TM1_Ant1

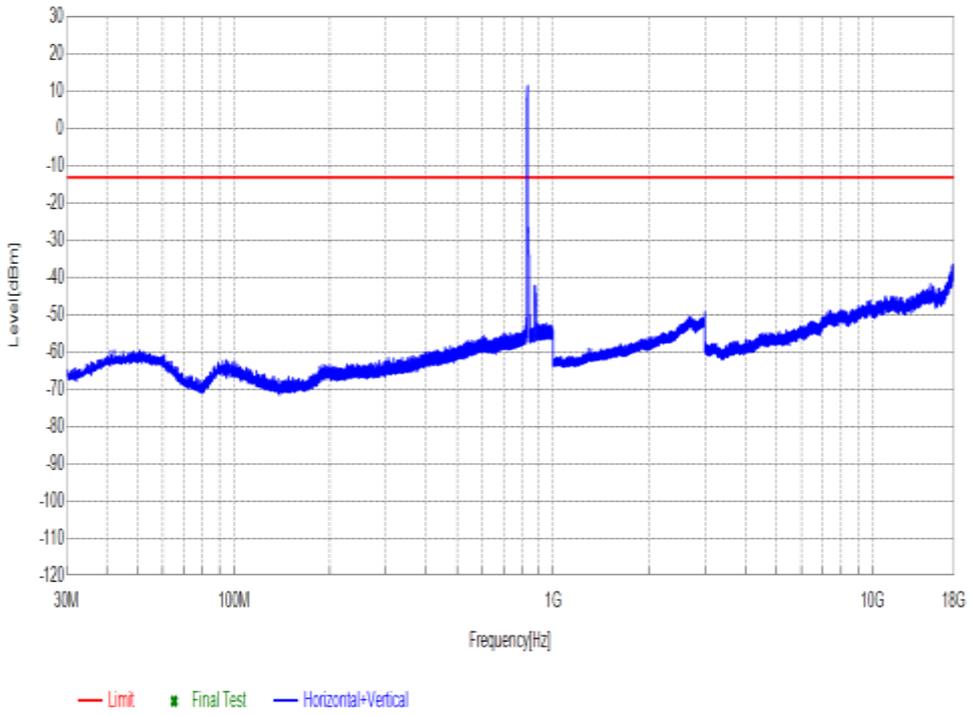


Band5/TM1_Ant2

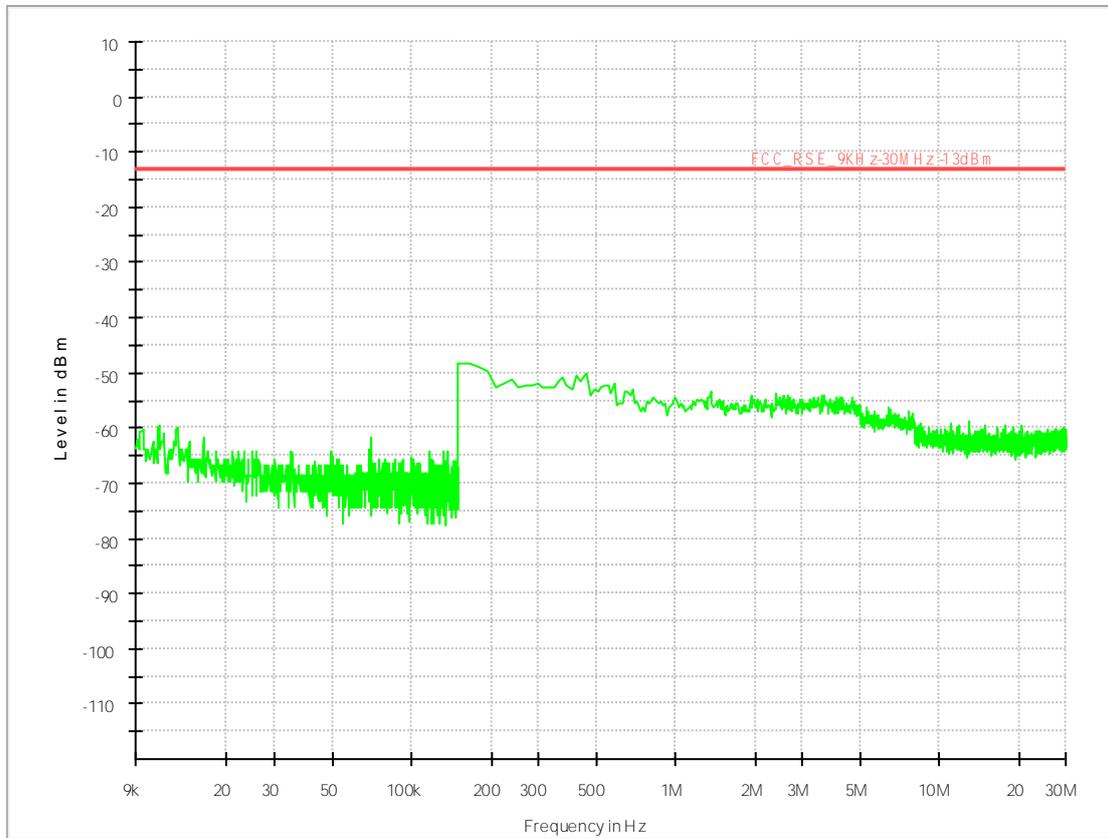


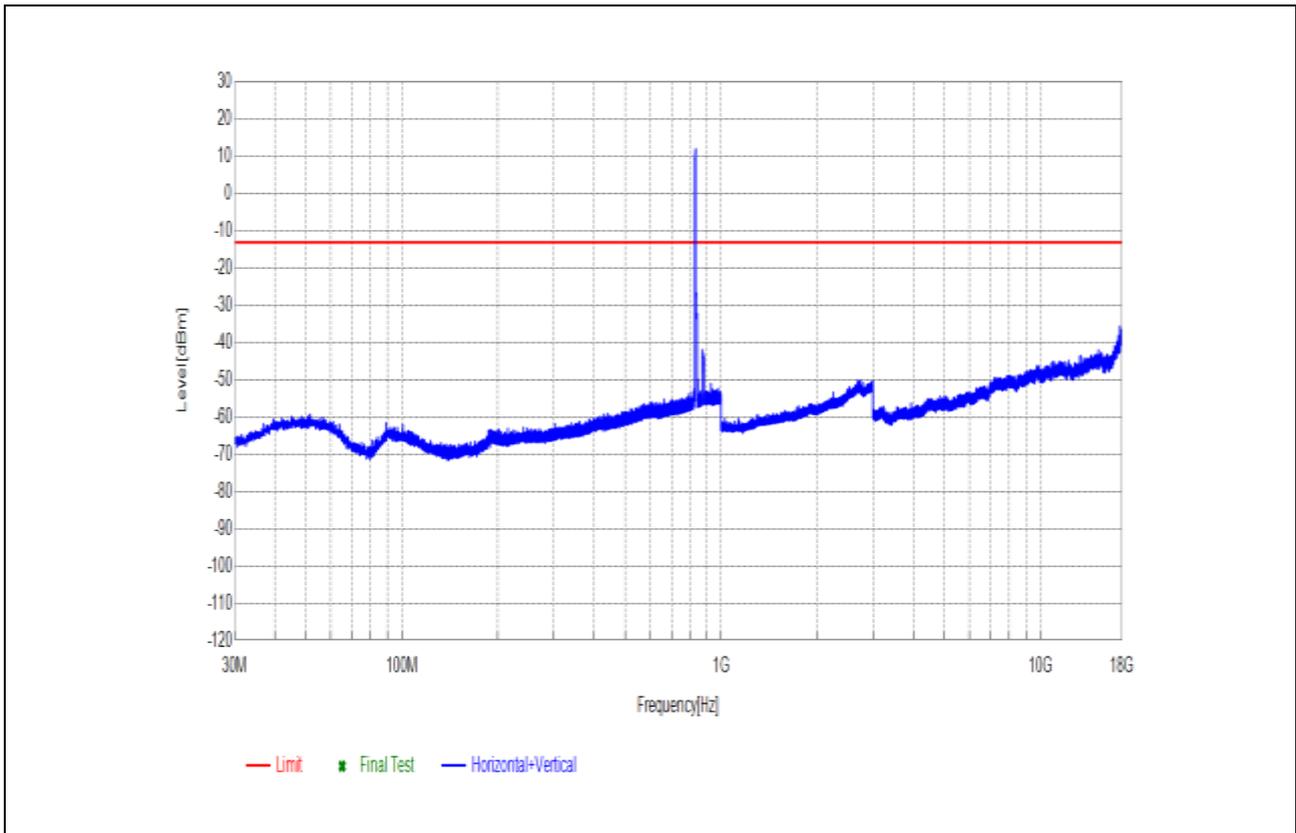
7.1.1.2 Test Bandwidth = 10





Band5/TM1_Ant2



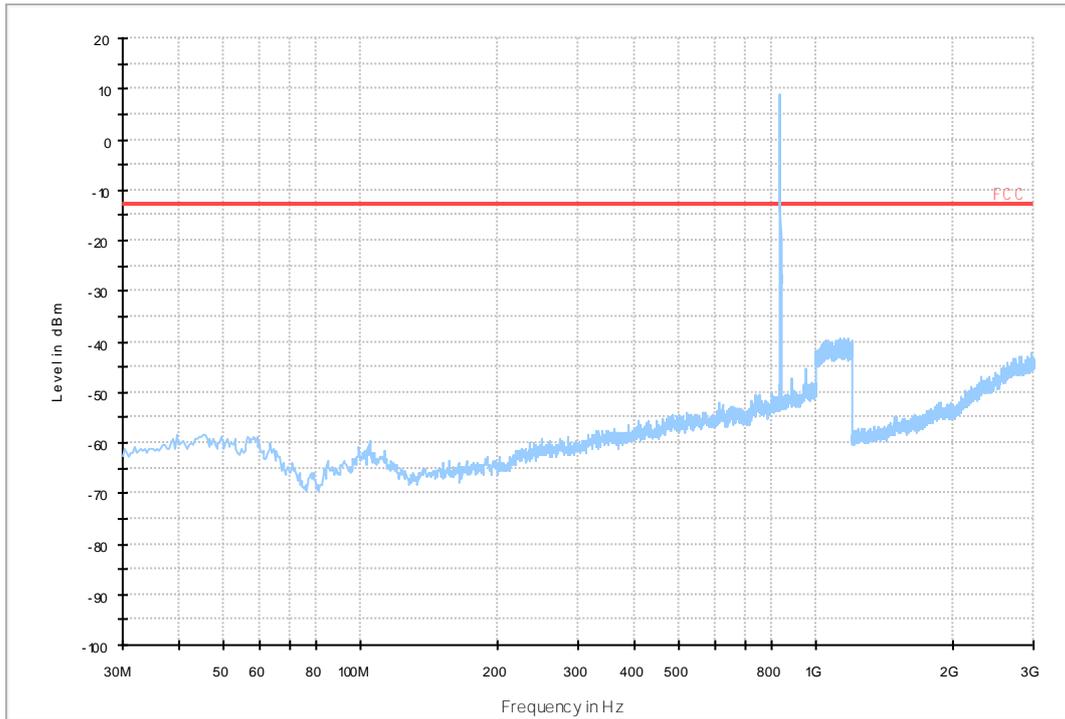


7.1.2 Test Band = Band5 (Wireless charging protective case)

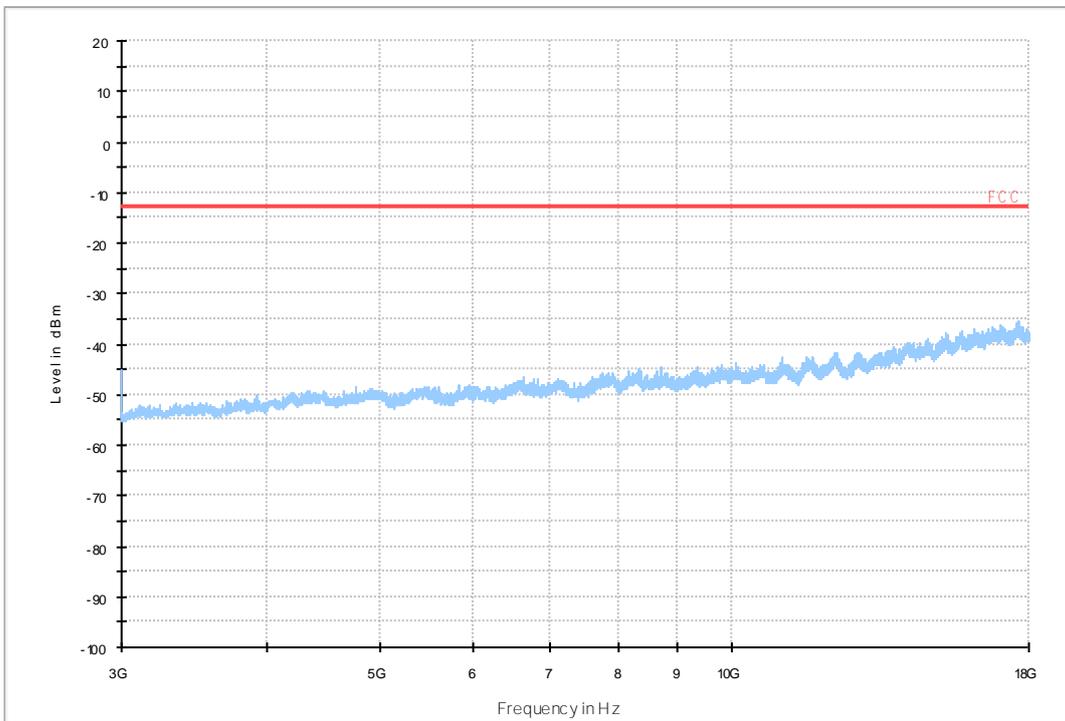
7.1.2.1 Test Bandwidth = 1.4

Band5 /TM1_Ant1(adaptor + Wireless Charging Case) worst case

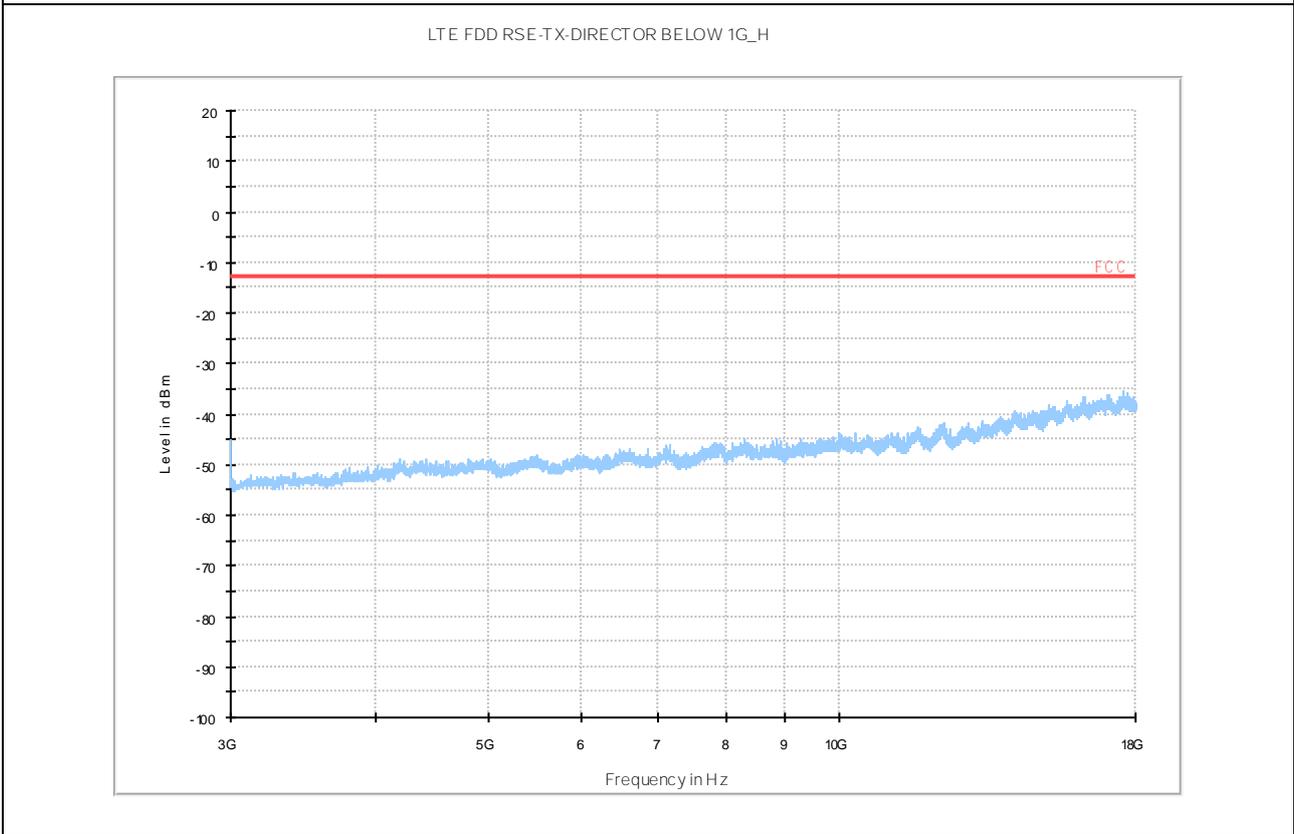
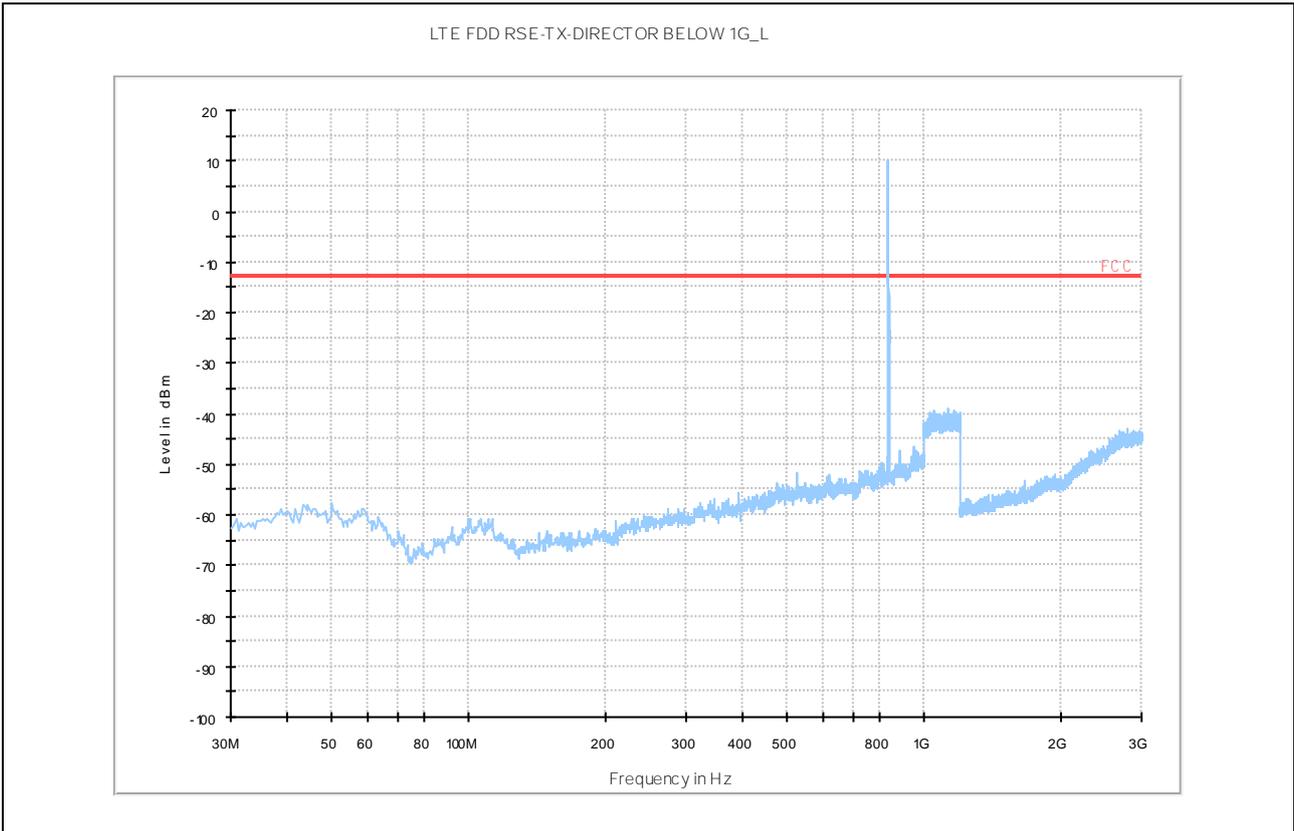
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

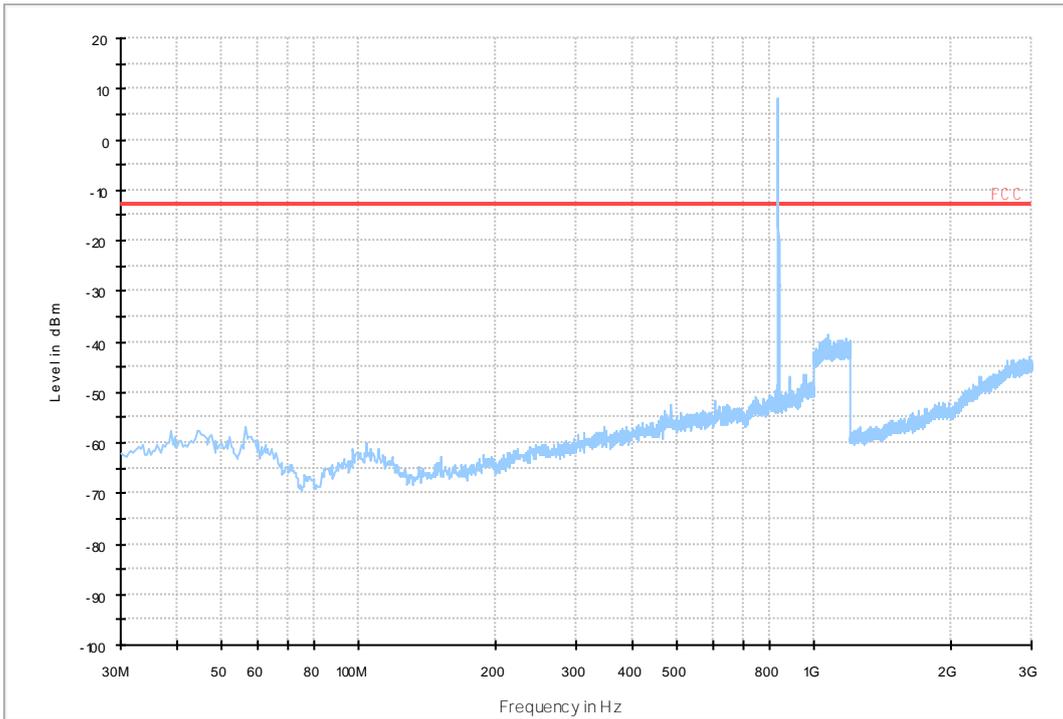


Band5/TM1_Ant2(adaptor + Wireless Charging Case) worst case

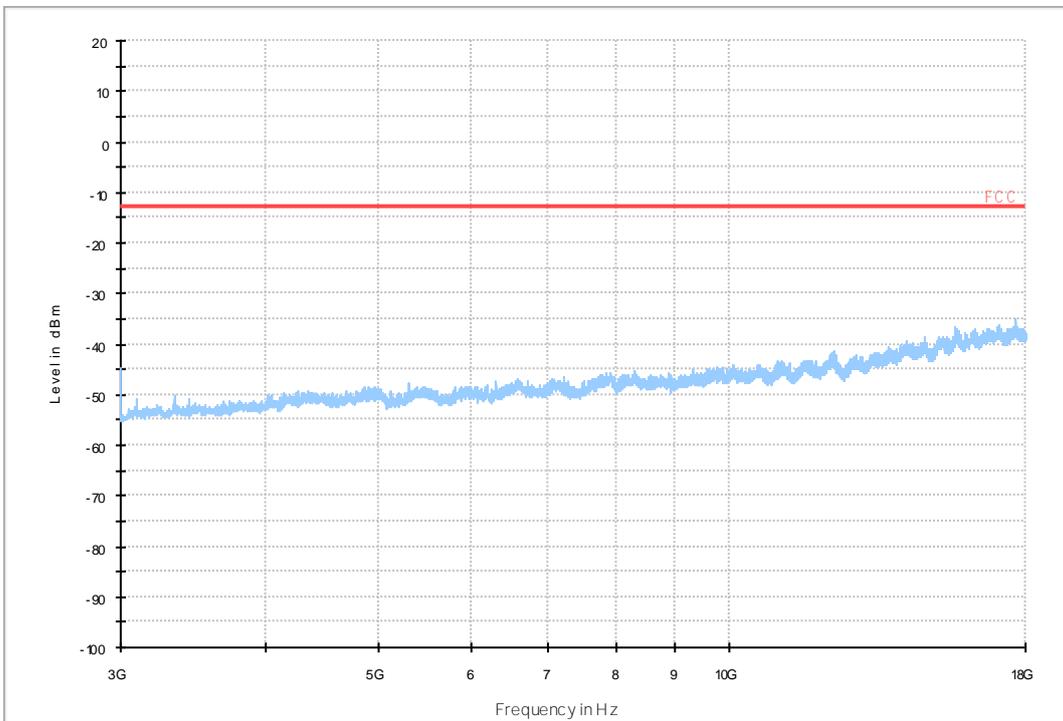


Band5 /TM1_Ant1 adaptor + Wireless charging charger+ Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

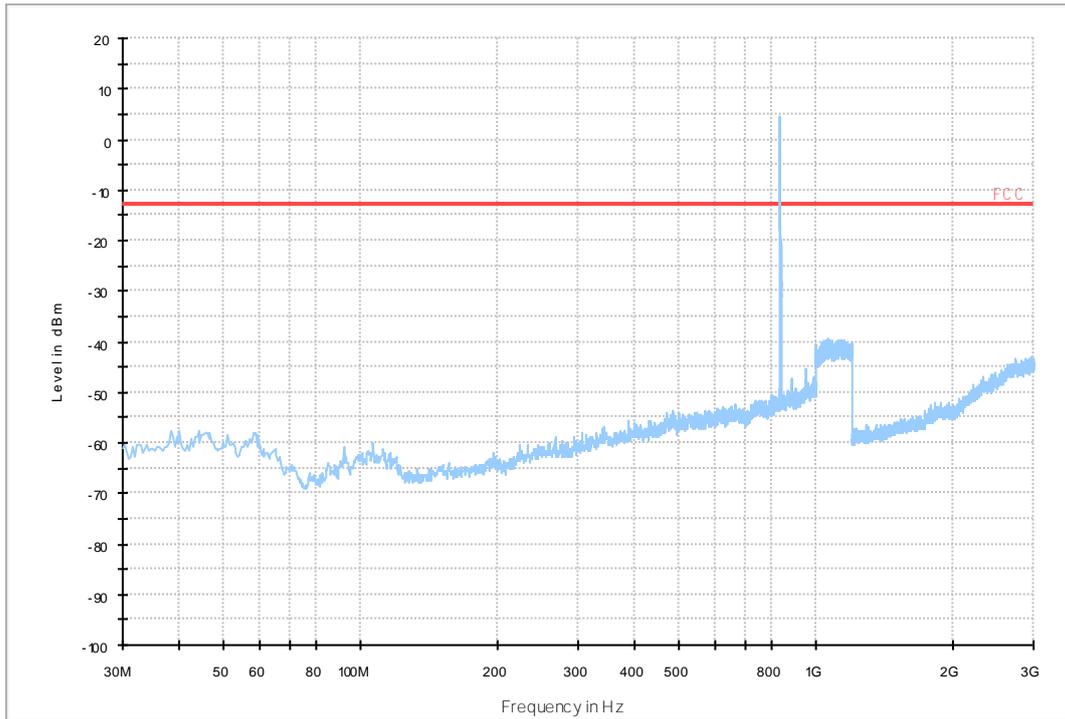


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

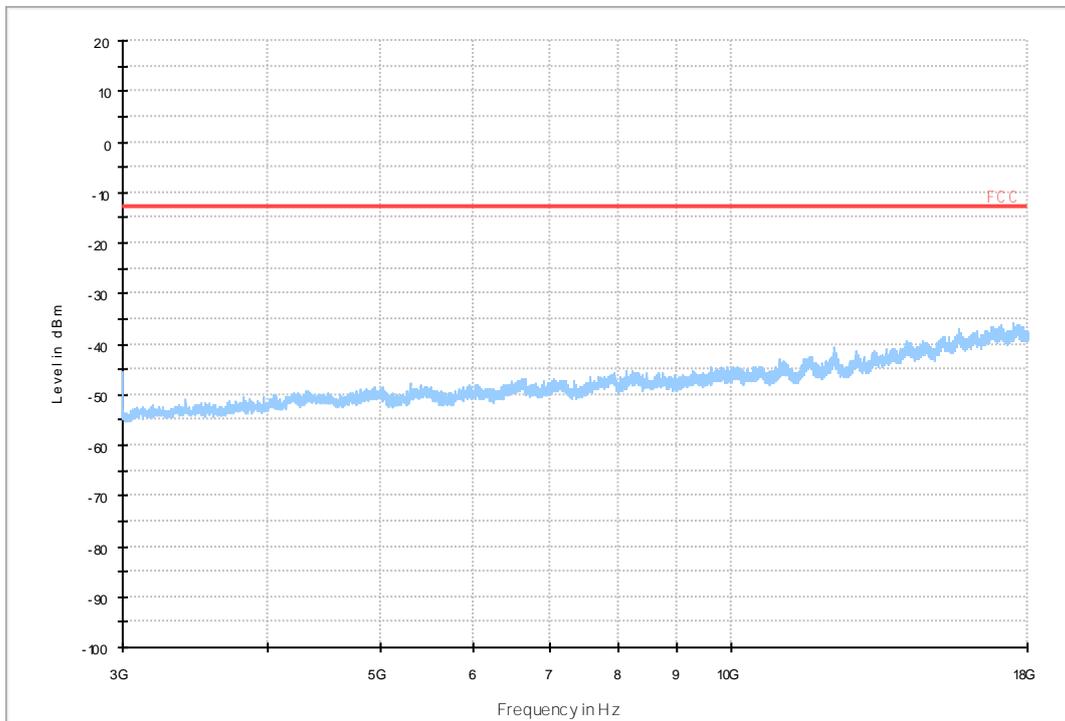


Band5/TM1_Ant2 adaptor + Wireless charging charger+ Wireless Charging Case) worst case

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency 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	3.76225	0.00456	PASS
					VN	-8.92639	-0.01082	PASS
					VH	14.16206	0.01717	PASS
			MCH	TN	VL	-17.52377	-0.02095	PASS
					VN	-10.04219	-0.01201	PASS
					VH	-6.13689	-0.00734	PASS
			HCH	TN	VL	-2.44618	-0.00288	PASS
					VN	-7.15256	-0.00843	PASS
					VH	3.34740	0.00395	PASS
		3	LCH	TN	VL	-2.84672	-0.00345	PASS
					VN	-2.28882	-0.00277	PASS
					VH	-6.35147	-0.00769	PASS
			MCH	TN	VL	-1.81675	-0.00217	PASS
					VN	-3.49045	-0.00417	PASS
					VH	-0.44346	-0.00053	PASS
			HCH	TN	VL	-2.71797	-0.00321	PASS
					VN	-1.17302	-0.00138	PASS
					VH	-2.50339	-0.00295	PASS
		5	LCH	TN	VL	-1.17302	-0.00142	PASS
					VN	-0.40054	-0.00048	PASS
					VH	1.70231	0.00206	PASS
			MCH	TN	VL	7.19547	0.00860	PASS
					VN	-6.09398	-0.00729	PASS
					VH	10.08511	0.01206	PASS
			HCH	TN	VL	-2.14577	-0.00253	PASS
					VN	0.14305	0.00017	PASS
					VH	-1.00136	-0.00118	PASS
		10	LCH	TN	VL	2.41756	0.00292	PASS
					VN	0.68665	0.00083	PASS
					VH	2.87533	0.00347	PASS
MCH	TN		VL	5.57899	0.00667	PASS		
			VN	4.03404	0.00482	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	HCH	TN	VH	14.53400	0.01737	PASS
					VL	-101.59490	-0.12037	PASS
					VN	-134.58250	-0.15946	PASS
			LCH	TN	VH	59.30901	0.07027	PASS
					VL	-2.40326	-0.00291	PASS
					VN	5.75066	0.00697	PASS
			MCH	TN	VH	10.19955	0.01237	PASS
					VL	-7.00951	-0.00838	PASS
					VN	5.63621	0.00674	PASS
		HCH	TN	VH	2.76089	0.00330	PASS	
				VL	-2.26021	-0.00266	PASS	
				VN	-3.51906	-0.00415	PASS	
		3	LCH	TN	VH	-4.40597	-0.00519	PASS
					VL	-0.32902	-0.00040	PASS
					VN	1.93119	0.00234	PASS
			MCH	TN	VH	-3.00407	-0.00364	PASS
					VL	-0.35763	-0.00043	PASS
					VN	0.40054	0.00048	PASS
			HCH	TN	VH	-0.61512	-0.00074	PASS
					VL	-3.19004	-0.00376	PASS
					VN	-1.98841	-0.00235	PASS
		5	LCH	TN	VH	-6.86646	-0.00810	PASS
					VL	1.61648	0.00196	PASS
					VN	-0.55790	-0.00068	PASS
			MCH	TN	VH	-0.64373	-0.00078	PASS
					VL	21.04282	0.02516	PASS
					VN	-7.85351	-0.00939	PASS
			HCH	TN	VH	10.52856	0.01259	PASS
					VL	-0.75817	-0.00090	PASS
					VN	-1.51634	-0.00179	PASS
		10	LCH	TN	VH	-2.66075	-0.00314	PASS
					VL	1.23024	0.00148	PASS
					VN	0.42915	0.00052	PASS
			MCH	TN	VH	1.73092	0.00209	PASS
					VL	0.08583	0.00010	PASS
					VN	4.16279	0.00498	PASS
			HCH	TN	VH	3.89099	0.00465	PASS
					VL	2.30312	0.00273	PASS
					VN			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					10	0.34332	0.00042	PASS	
					20	-2.28882	-0.00277	PASS	
					30	-1.20163	-0.00146	PASS	
					40	-3.71933	-0.00451	PASS	
					50	-0.81539	-0.00099	PASS	
			MCH	VN	-30	-1.51634	-0.00181	PASS	
					-20	0.07153	0.00009	PASS	
					-10	-3.71933	-0.00445	PASS	
					0	-3.86238	-0.00462	PASS	
					10	-1.21593	-0.00145	PASS	
					20	-3.49045	-0.00417	PASS	
					30	0.11444	0.00014	PASS	
					40	-5.46455	-0.00653	PASS	
					50	-2.71797	-0.00325	PASS	
					HCH	VN	-30	-5.22137	-0.00616
			-20	0.08583			0.00010	PASS	
			-10	-3.16143			-0.00373	PASS	
			0	-2.74658			-0.00324	PASS	
			10	-2.13146			-0.00251	PASS	
			20	-1.17302			-0.00138	PASS	
			30	-4.76360			-0.00562	PASS	
			40	-4.57764			-0.00540	PASS	
			5	LCH	VN	50	0.85831	0.00101	PASS
						-30	3.39031	0.00410	PASS
						-20	0.40054	0.00048	PASS
						-10	-3.59058	-0.00434	PASS
						0	1.40190	0.00170	PASS
						10	-1.61648	-0.00196	PASS
						20	-0.40054	-0.00048	PASS
						30	1.04427	0.00126	PASS
MCH	VN	40		1.13010	0.00137	PASS			
		50		2.13146	0.00258	PASS			
		-30		-2.98977	-0.00357	PASS			
		-20		-1.93119	-0.00231	PASS			
		-10		-1.44482	-0.00173	PASS			
		0		0.37193	0.00044	PASS			
		10		-14.09054	-0.01684	PASS			
20	-6.09398	-0.00729	PASS						
30	-4.36306	-0.00522	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			HCH	VN	40	-1.83106	-0.00219	PASS	
					50	-2.11716	-0.00253	PASS	
					-30	-2.60353	-0.00308	PASS	
					-20	0.85831	0.00101	PASS	
					-10	-1.81675	-0.00215	PASS	
					0	-1.78814	-0.00211	PASS	
					10	-0.60081	-0.00071	PASS	
					20	0.14305	0.00017	PASS	
					30	-3.51906	-0.00416	PASS	
					40	-0.85831	-0.00101	PASS	
					50	-3.14712	-0.00372	PASS	
					-30	-0.90122	-0.00109	PASS	
					-20	1.27316	0.00154	PASS	
					-10	-3.26157	-0.00393	PASS	
					0	-0.85831	-0.00104	PASS	
		10	-0.12875	-0.00016	PASS				
		20	0.68665	0.00083	PASS				
		30	-2.81811	-0.00340	PASS				
		40	-5.39303	-0.00651	PASS				
		50	-0.82970	-0.00100	PASS				
		-30	14.16206	0.01693	PASS				
		-20	-7.61032	-0.00910	PASS				
		-10	0.02861	0.00003	PASS				
		0	7.65324	0.00915	PASS				
		10	-2.67506	-0.00320	PASS				
		20	4.03404	0.00482	PASS				
		30	-7.59602	-0.00908	PASS				
		40	-12.01630	-0.01436	PASS				
		50	-11.58714	-0.01385	PASS				
		-30	10.65731	0.01263	PASS				
		-20	110.65010	0.13110	PASS				
		-10	-7.28130	-0.00863	PASS				
		0	-64.15844	-0.07602	PASS				
		10	-49.78180	-0.05898	PASS				
		20	-134.58250	-0.15946	PASS				
		30	32.58705	0.03861	PASS				
		40	-30.38406	-0.03600	PASS				
		50	50.25387	0.05954	PASS				
		LTE/TM2	1.4	LCH	VN	-30	-8.13961	-0.00987	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		3			-20	29.39701	0.03565	PASS
					-10	-3.63350	-0.00441	PASS
					0	-8.19683	-0.00994	PASS
					10	-3.31879	-0.00402	PASS
					20	5.75066	0.00697	PASS
					30	-13.37528	-0.01622	PASS
					40	8.26836	0.01003	PASS
					50	-20.99991	-0.02546	PASS
			MCH	VN	-30	-2.94685	-0.00352	PASS
					-20	-10.11372	-0.01209	PASS
					-10	-4.44889	-0.00532	PASS
					0	-1.98841	-0.00238	PASS
					10	-22.43042	-0.02681	PASS
					20	5.63621	0.00674	PASS
					30	2.10285	0.00251	PASS
					40	9.18388	0.01098	PASS
			HCH	VN	-30	-39.09588	-0.04609	PASS
					-20	-0.88692	-0.00105	PASS
					-10	-2.46048	-0.00290	PASS
					0	-3.10421	-0.00366	PASS
					10	-7.58171	-0.00894	PASS
					20	-3.51906	-0.00415	PASS
					30	-3.91960	-0.00462	PASS
					40	37.26482	0.04393	PASS
		LCH	VN	-30	-1.37329	-0.00166	PASS	
				-20	-2.63214	-0.00319	PASS	
				-10	4.66347	0.00565	PASS	
				0	1.91688	0.00232	PASS	
				10	5.45025	0.00660	PASS	
				20	1.93119	0.00234	PASS	
				30	-0.80109	-0.00097	PASS	
				40	-3.27587	-0.00397	PASS	
		MCH	VN	-30	-3.36170	-0.00402	PASS	
				-20	-2.51770	-0.00301	PASS	
				-10	-0.34332	-0.00041	PASS	
				0	0.35763	0.00043	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	0.14305	0.00017	PASS		
					20	0.40054	0.00048	PASS		
					30	-6.30856	-0.00754	PASS		
					40	-2.28882	-0.00274	PASS		
					50	-5.39303	-0.00645	PASS		
			HCH	VN	-30	-1.93119	-0.00228	PASS		
					-20	-1.10149	-0.00130	PASS		
					-10	-3.41892	-0.00403	PASS		
					0	-6.10828	-0.00721	PASS		
					10	-5.59330	-0.00660	PASS		
					20	-1.98841	-0.00235	PASS		
					30	-4.42028	-0.00522	PASS		
					40	-3.99113	-0.00471	PASS		
					50	-2.37465	-0.00280	PASS		
					LCH	VN	-30	0.44346	0.00054	PASS
							-20	1.33038	0.00161	PASS
							-10	-3.11851	-0.00377	PASS
							0	1.80244	0.00218	PASS
							10	1.53065	0.00185	PASS
							20	-0.55790	-0.00068	PASS
		30	-3.14712	-0.00381			PASS			
		40	-0.71526	-0.00087			PASS			
		50	-0.41485	-0.00050			PASS			
		MCH	VN	-30			4.90665	0.00587	PASS	
				-20			-2.27451	-0.00272	PASS	
				-10			-0.72956	-0.00087	PASS	
				0			8.96931	0.01072	PASS	
				10			-9.08375	-0.01086	PASS	
				20			-7.85351	-0.00939	PASS	
				30	-3.54767	-0.00424	PASS			
				40	-5.14984	-0.00616	PASS			
		HCH	VN	50	3.19004	0.00381	PASS			
				-30	-1.88827	-0.00223	PASS			
				-20	0.50068	0.00059	PASS			
				-10	-3.20435	-0.00379	PASS			
				0	1.27316	0.00150	PASS			
				10	0.57220	0.00068	PASS			
				20	-1.51634	-0.00179	PASS			
				30	-0.57220	-0.00068	PASS			
		5					-30	0.44346	0.00054	PASS
-20	1.33038						0.00161	PASS		
-10	-3.11851						-0.00377	PASS		
0	1.80244						0.00218	PASS		
10	1.53065						0.00185	PASS		
LCH	VN				20	-0.55790	-0.00068	PASS		
					30	-3.14712	-0.00381	PASS		
					40	-0.71526	-0.00087	PASS		
					50	-0.41485	-0.00050	PASS		
					MCH	VN	-30	4.90665	0.00587	PASS
-20	-2.27451						-0.00272	PASS		
-10	-0.72956						-0.00087	PASS		
0	8.96931						0.01072	PASS		
10	-9.08375						-0.01086	PASS		
HCH	VN				20	-7.85351	-0.00939	PASS		
				30	-3.54767	-0.00424	PASS			
				40	-5.14984	-0.00616	PASS			
				50	3.19004	0.00381	PASS			
				-30	-1.88827	-0.00223	PASS			
							-20	0.50068	0.00059	PASS
		-10	-3.20435				-0.00379	PASS		
		0	1.27316				0.00150	PASS		
		10	0.57220				0.00068	PASS		
		20	-1.51634				-0.00179	PASS		
30	-0.57220	-0.00068	PASS							



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	-6.69479	-0.00791	PASS		
					50	-3.03268	-0.00358	PASS		
		10	LCH	VN	-30	3.81947	0.00461	PASS		
					-20	3.10421	0.00374	PASS		
					-10	-3.81947	-0.00461	PASS		
					0	1.17302	0.00141	PASS		
					10	-2.18868	-0.00264	PASS		
					20	0.42915	0.00052	PASS		
					30	-1.40190	-0.00169	PASS		
					40	-3.53336	-0.00426	PASS		
					50	0.18597	0.00022	PASS		
					MCH	VN	-30	8.23975	0.00985	PASS
							-20	-2.60353	-0.00311	PASS
							-10	-1.85966	-0.00222	PASS
		0	10.85758	0.01298			PASS			
		10	-7.78198	-0.00930			PASS			
		20	4.16279	0.00498			PASS			
		30	-4.79221	-0.00573			PASS			
		40	-3.90530	-0.00467			PASS			
		HCH	VN	-30	-61.68365	-0.07308	PASS			
				-20	-5.14984	-0.00610	PASS			
				-10	-37.62245	-0.04458	PASS			
				0	-17.99583	-0.02132	PASS			
				10	-27.43721	-0.03251	PASS			
				20	24.99104	0.02961	PASS			
				30	-3.80516	-0.00451	PASS			
				40	-0.22888	-0.00027	PASS			
		50	4.76360	0.00564	PASS					

END