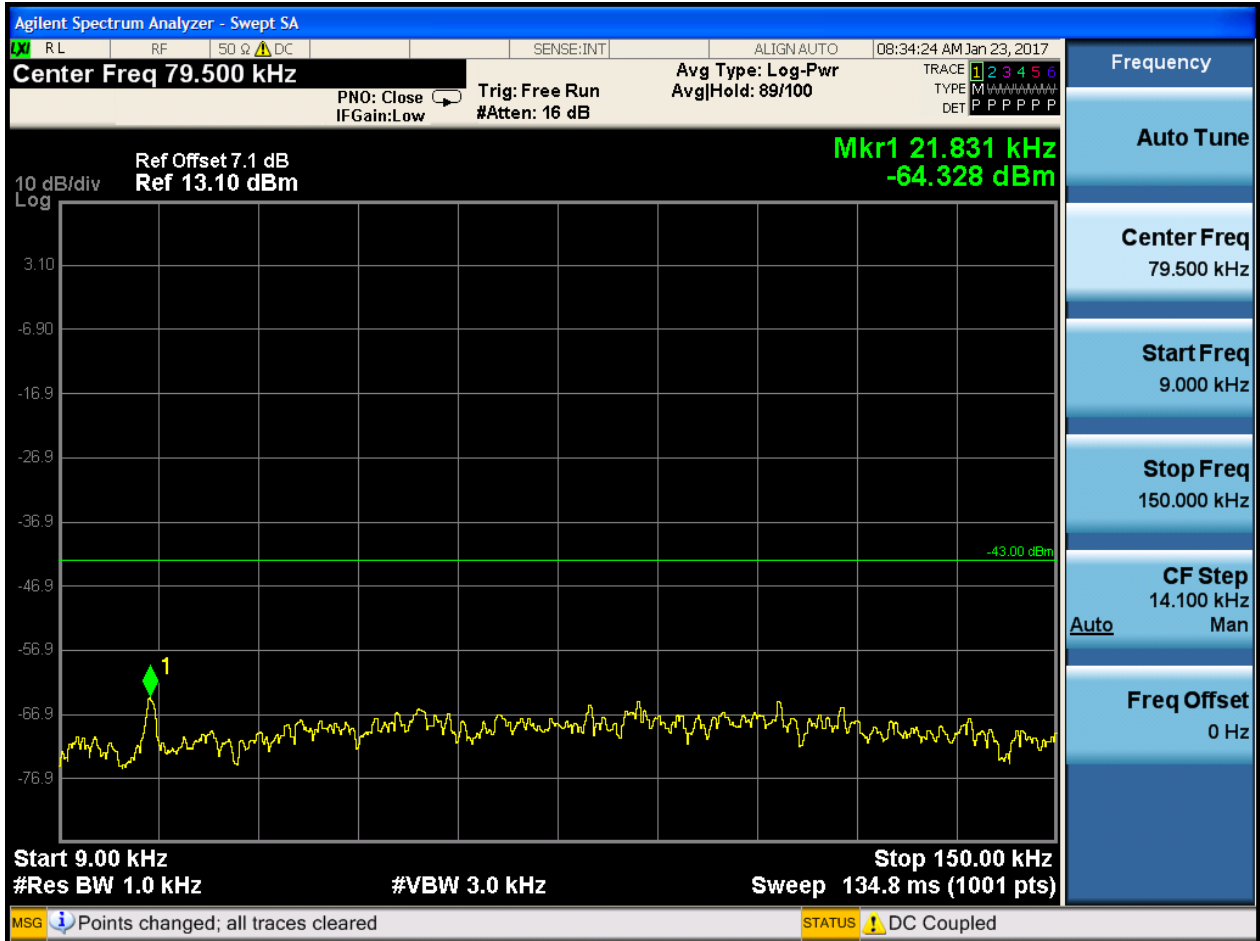
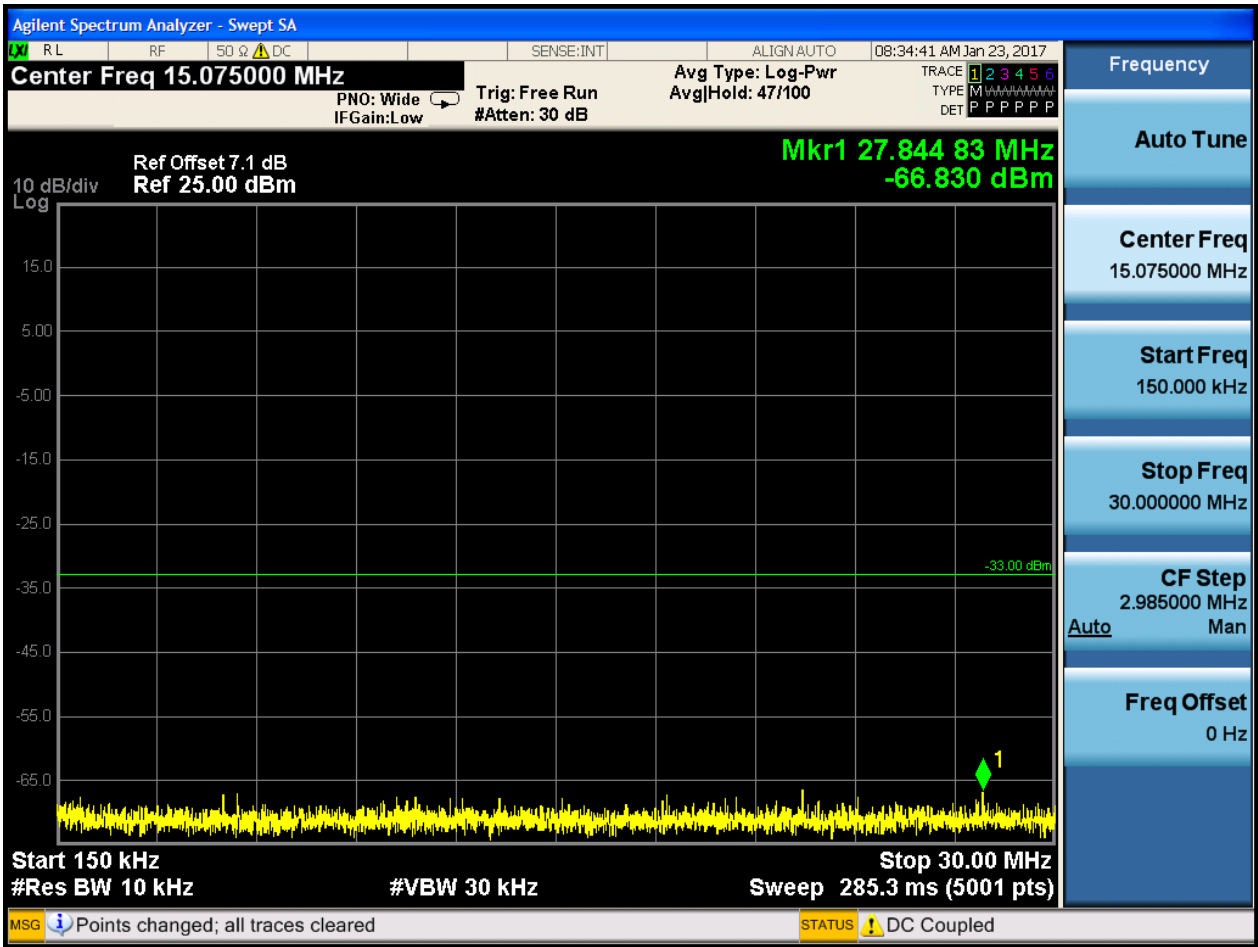




6.1.1.1.6.3 Test Channel = HCH

6.1.1.1.6.3.1 Test RB = RB1#0





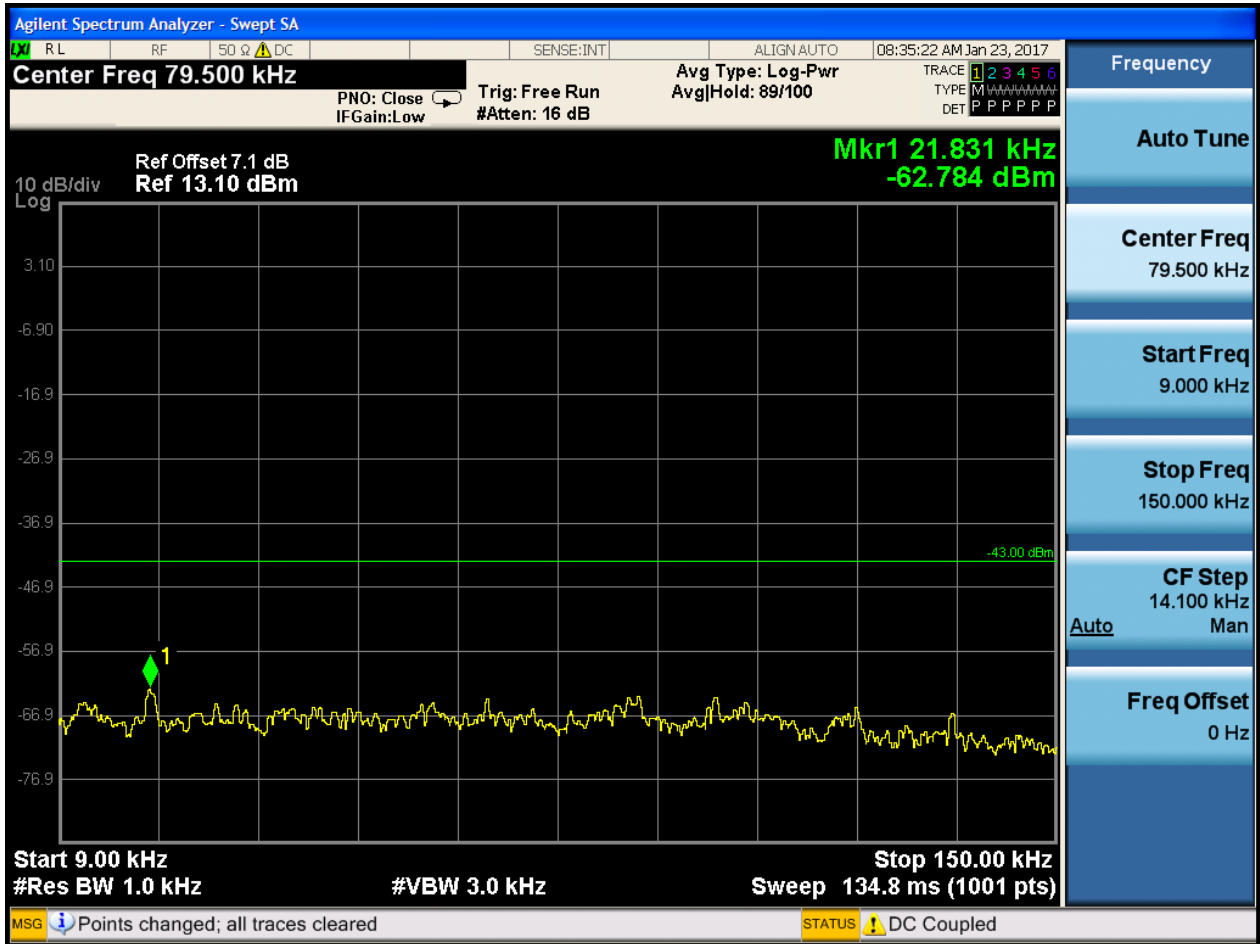


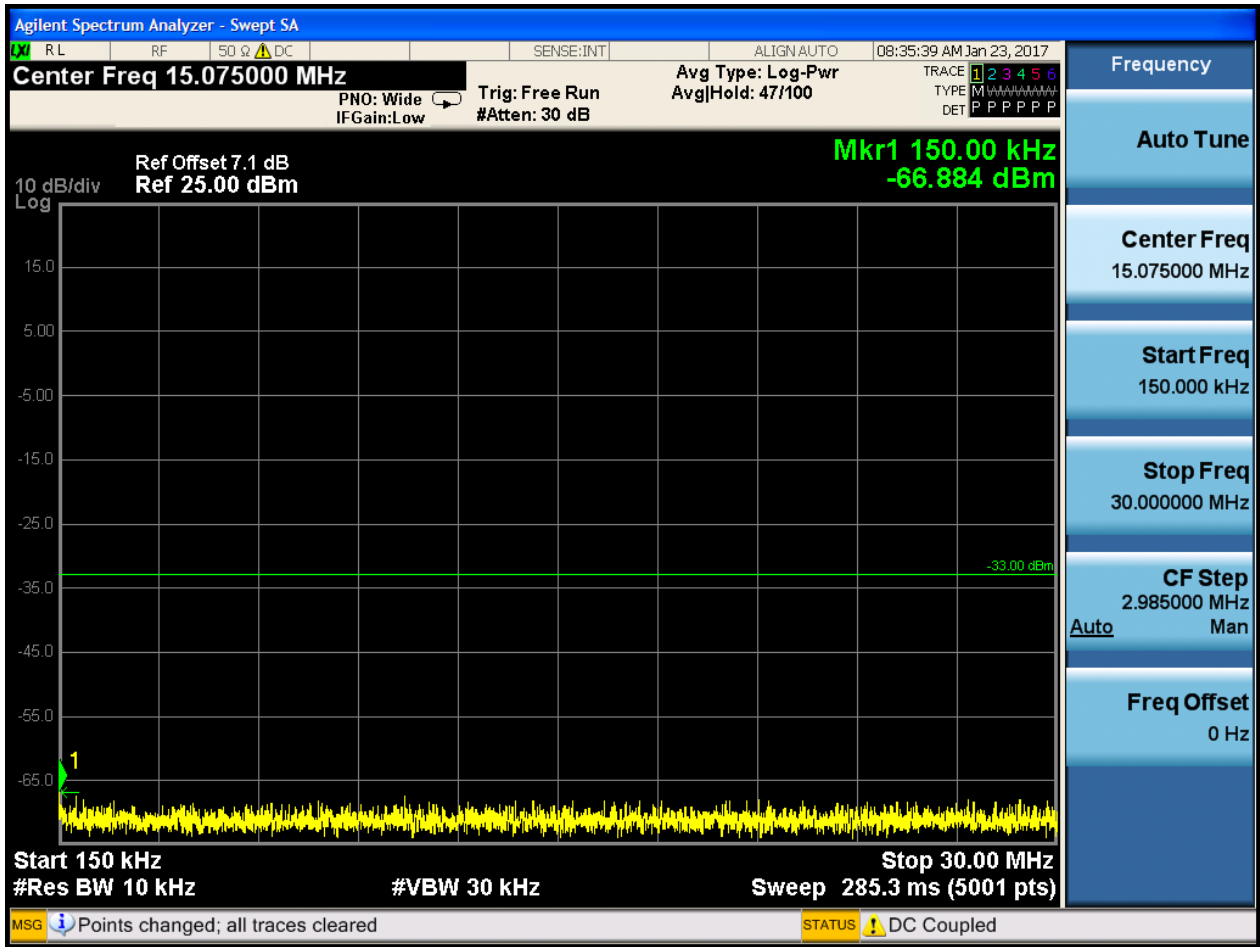
6.1.1.2 Test Mode = LTE/TM2

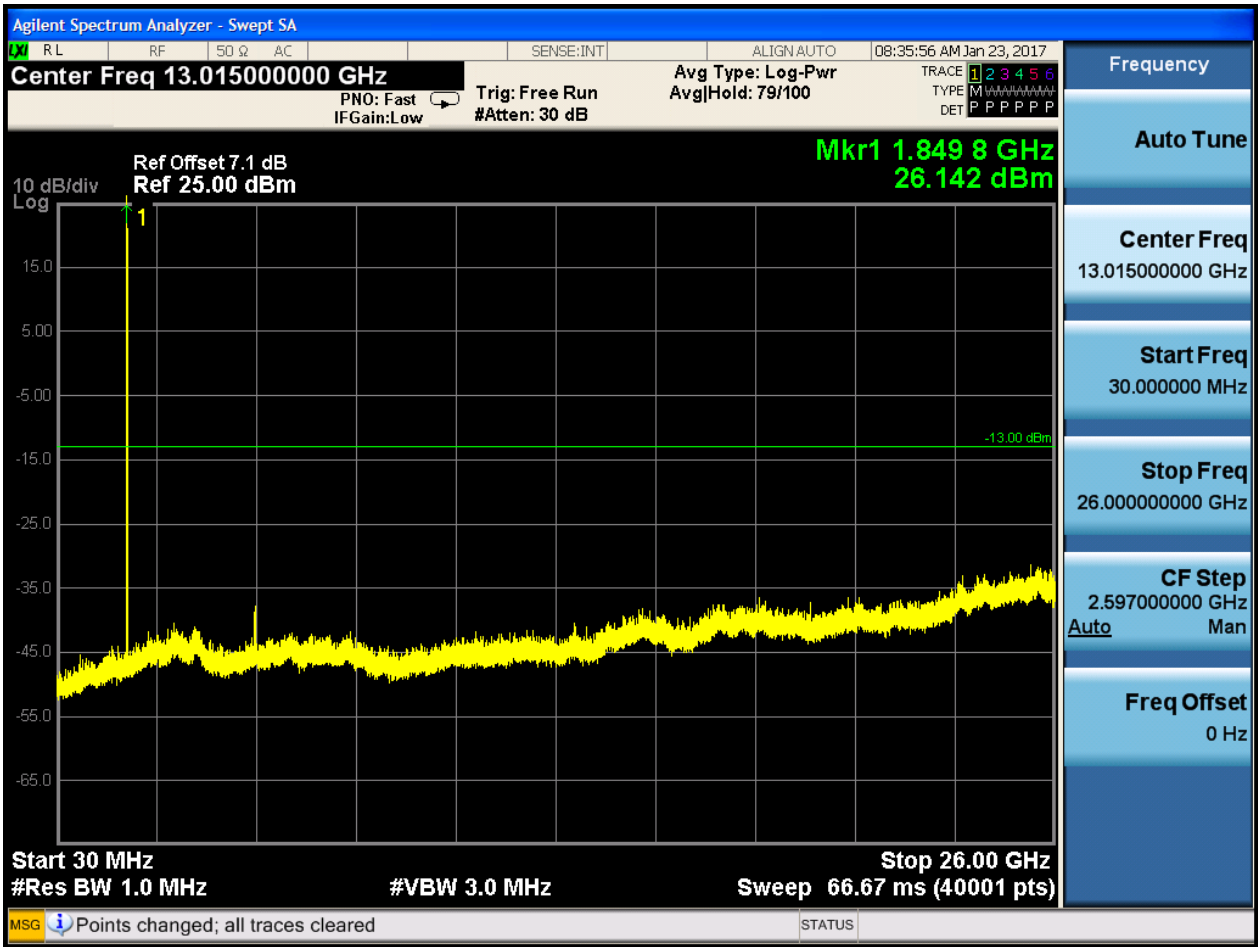
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

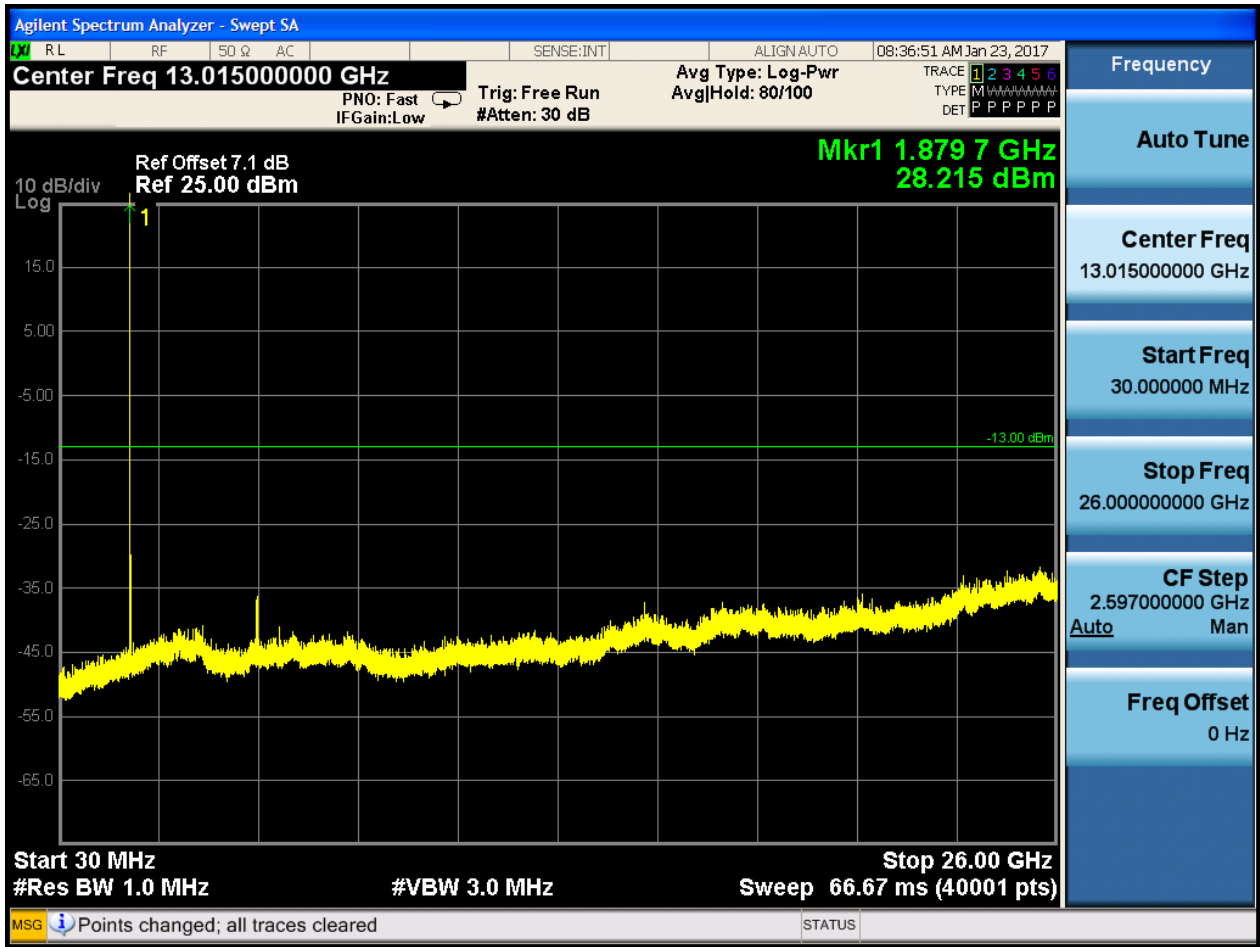
6.1.1.2.1.1.1 Test RB = RB1#0







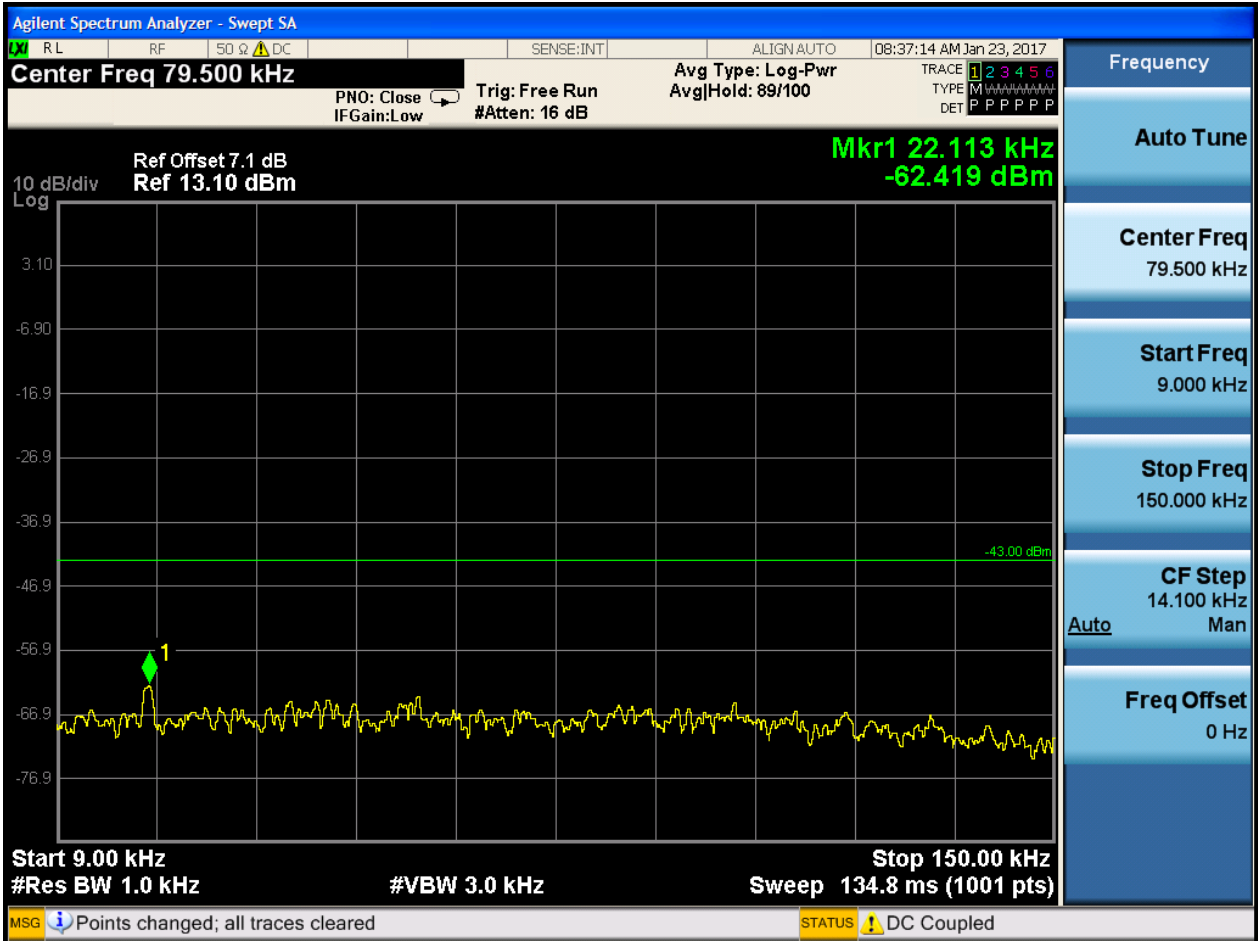






6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0

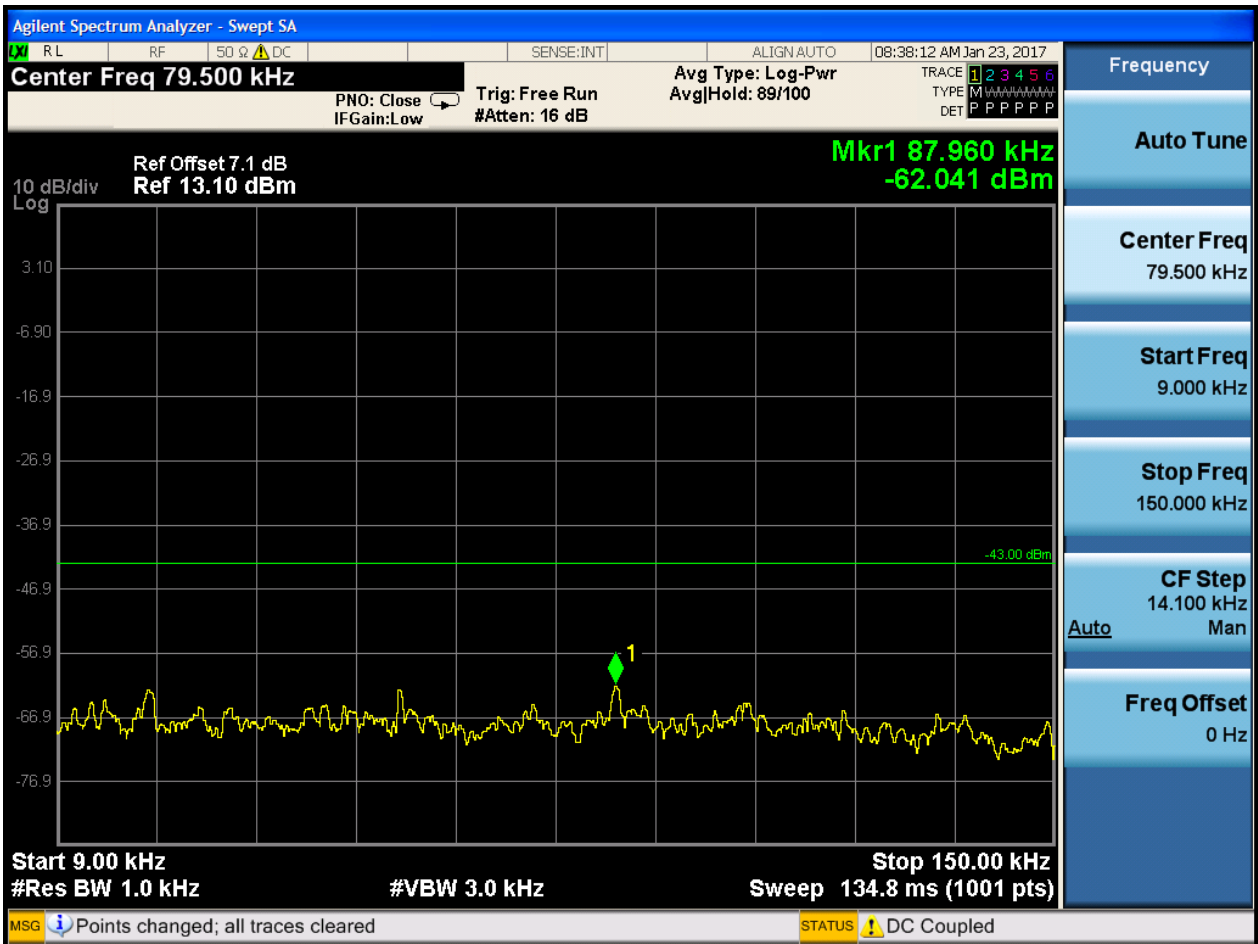




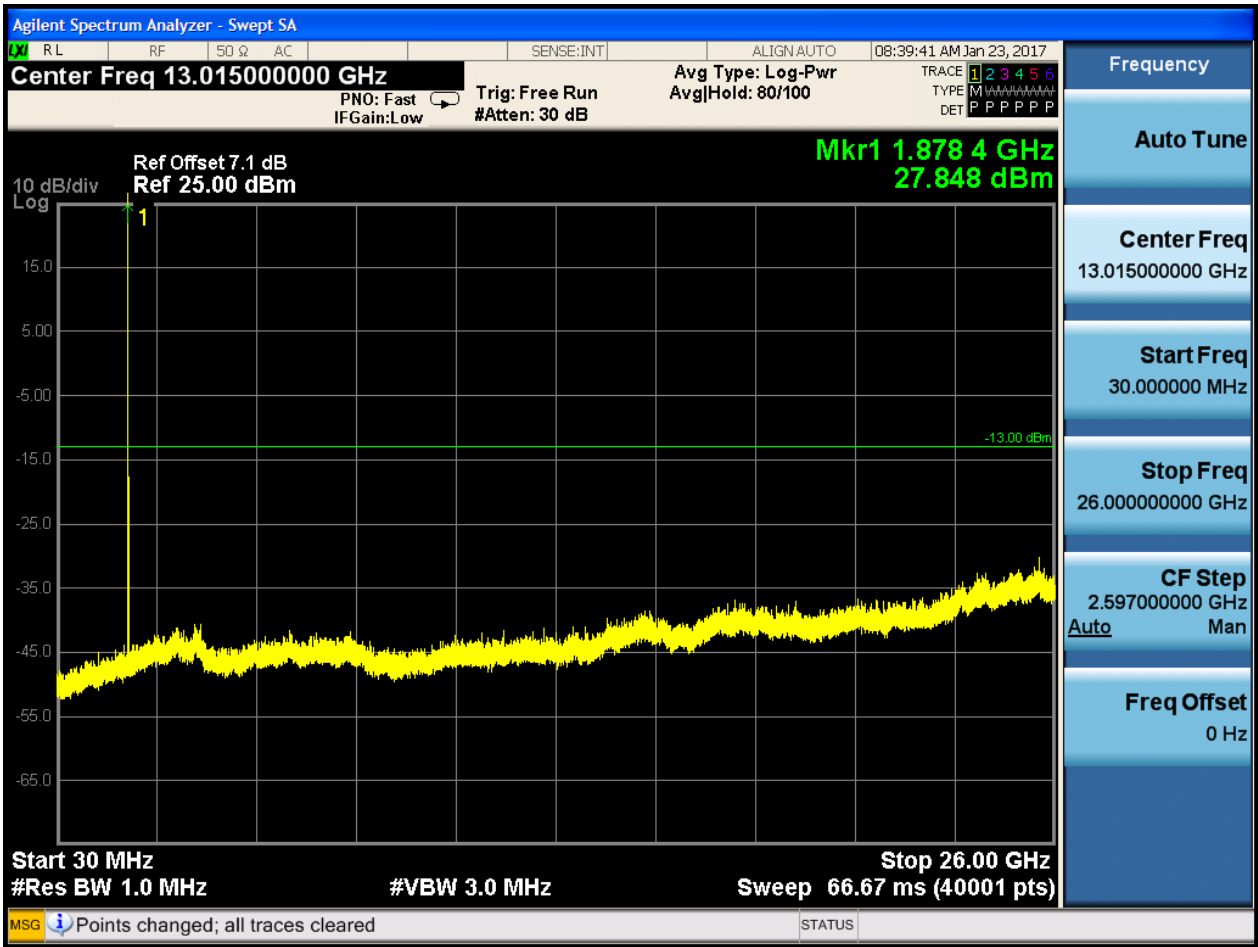
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



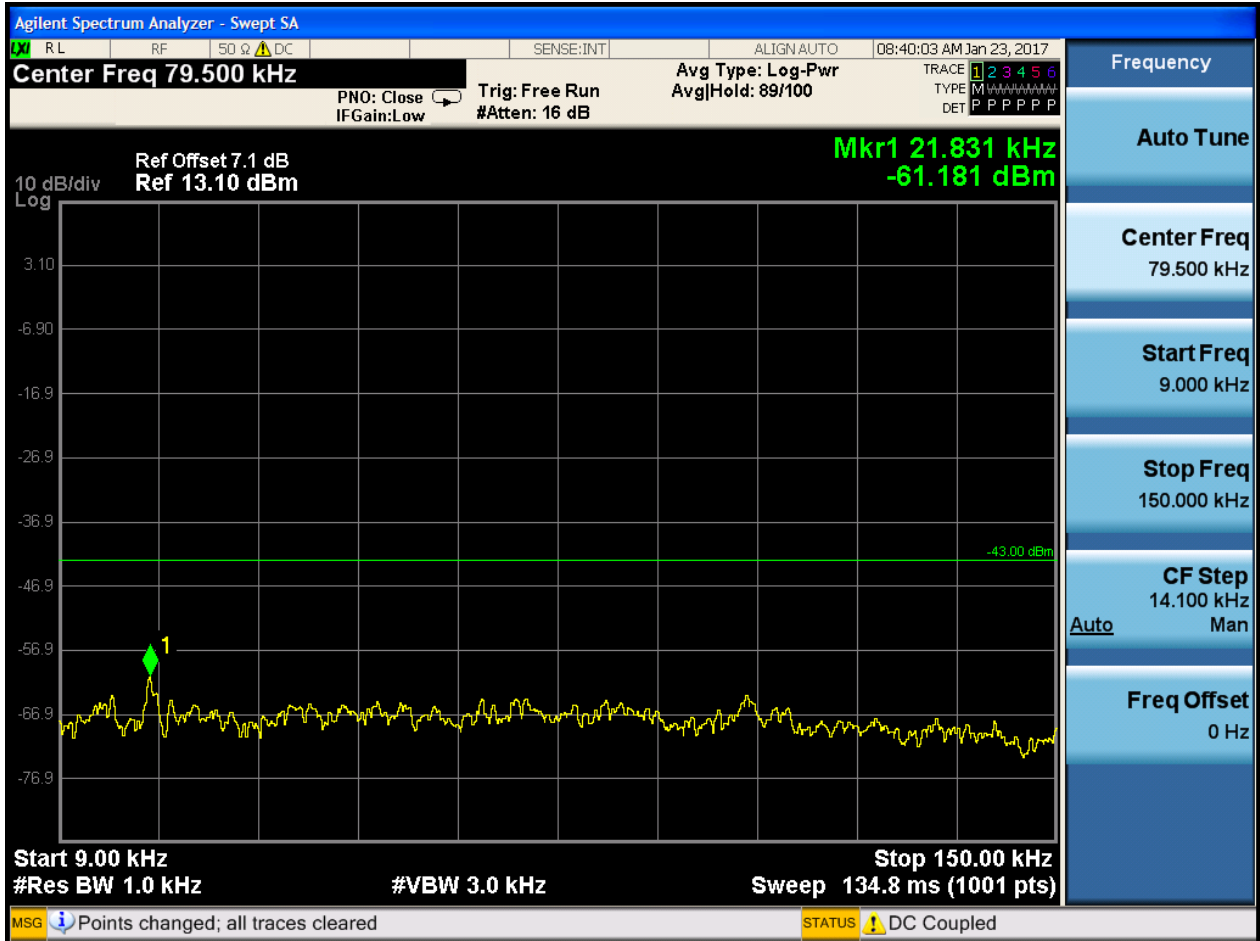






6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



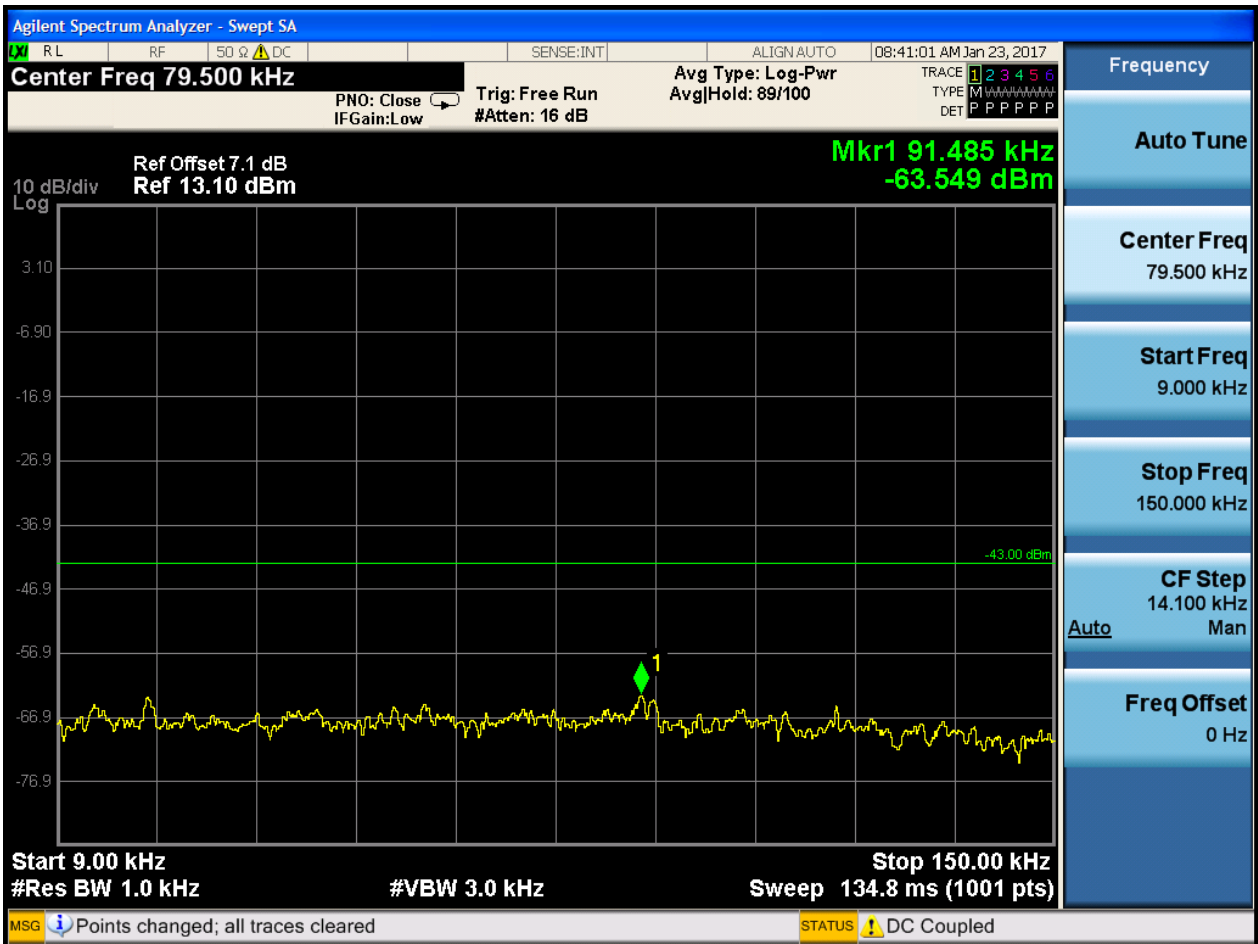


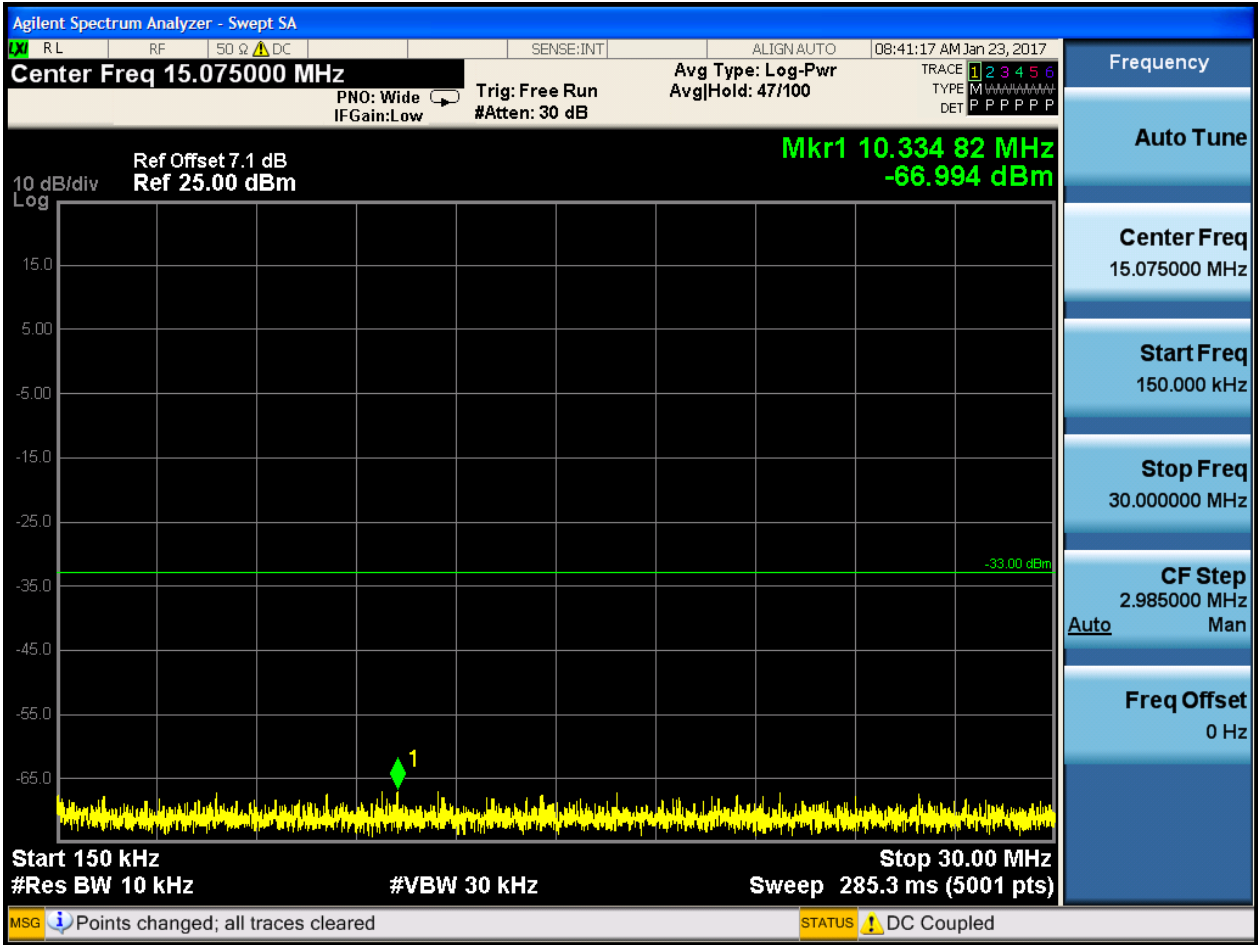


6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

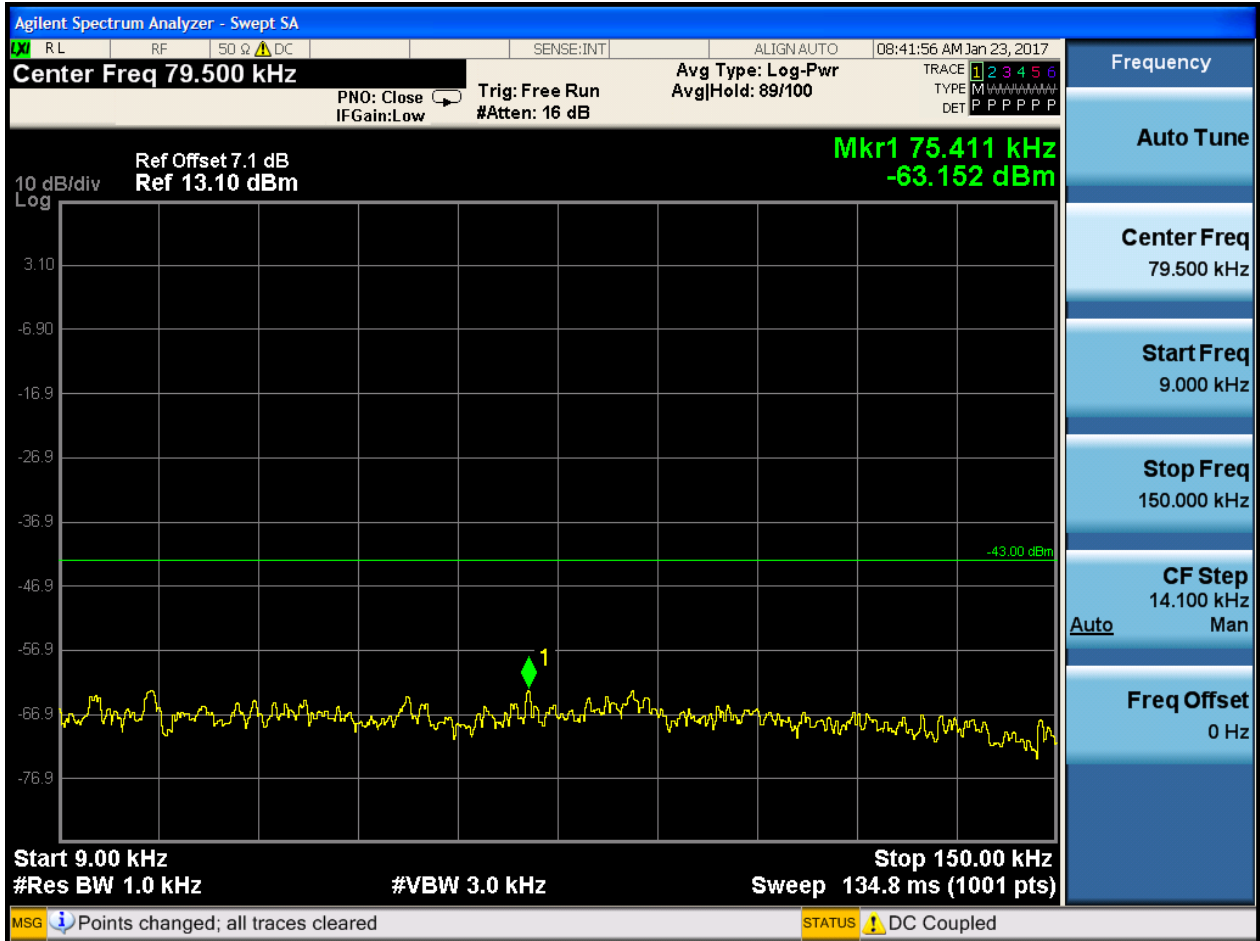


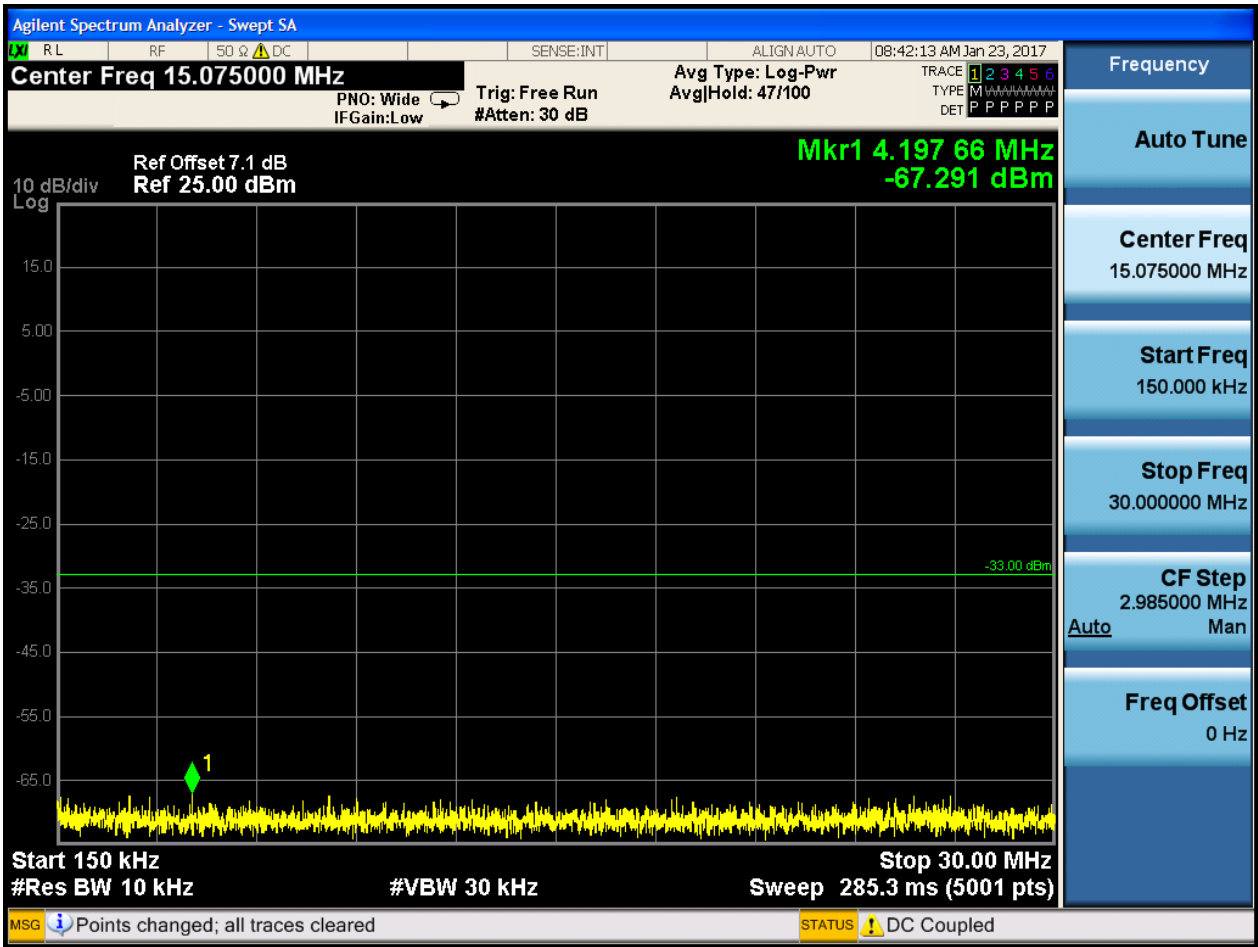


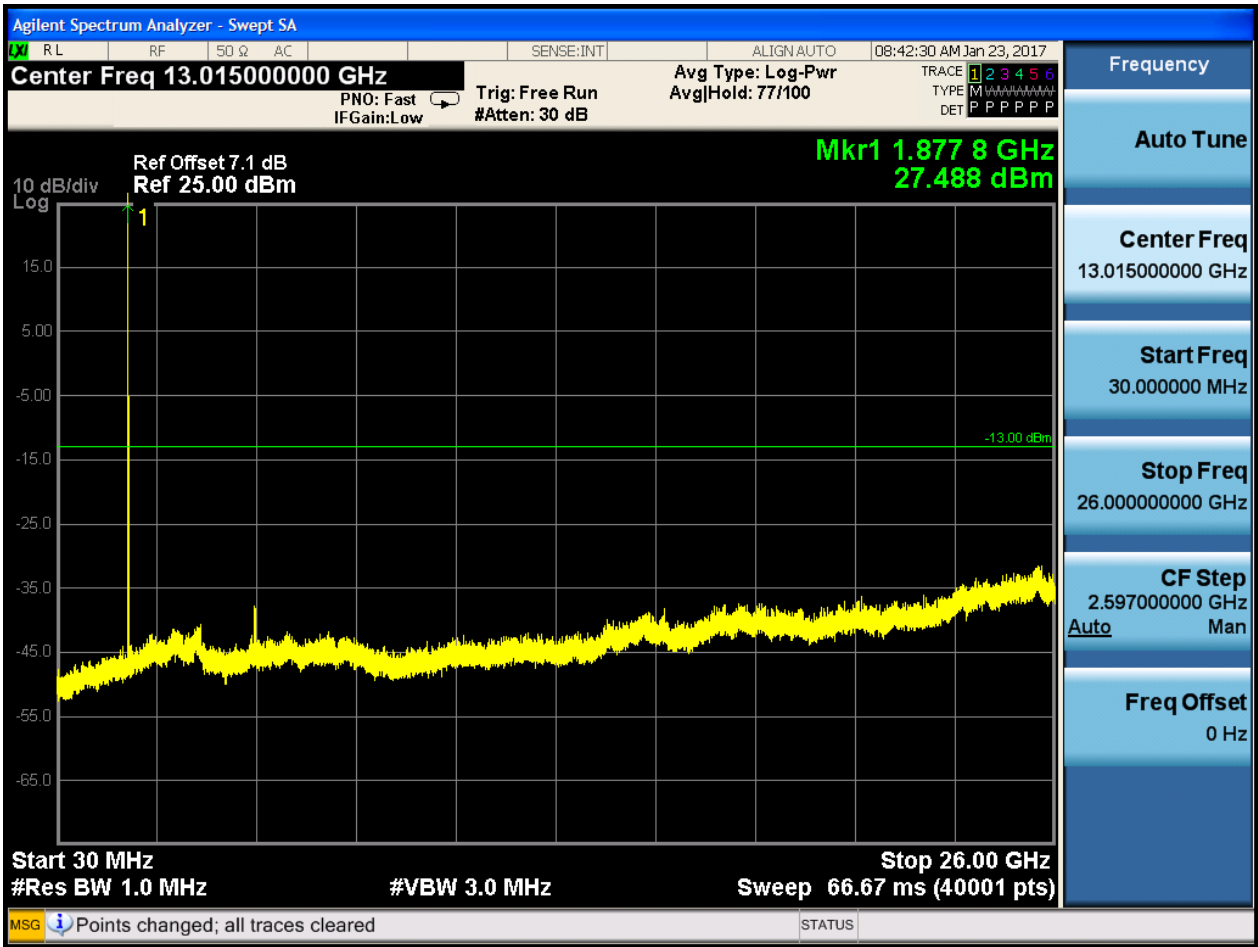


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



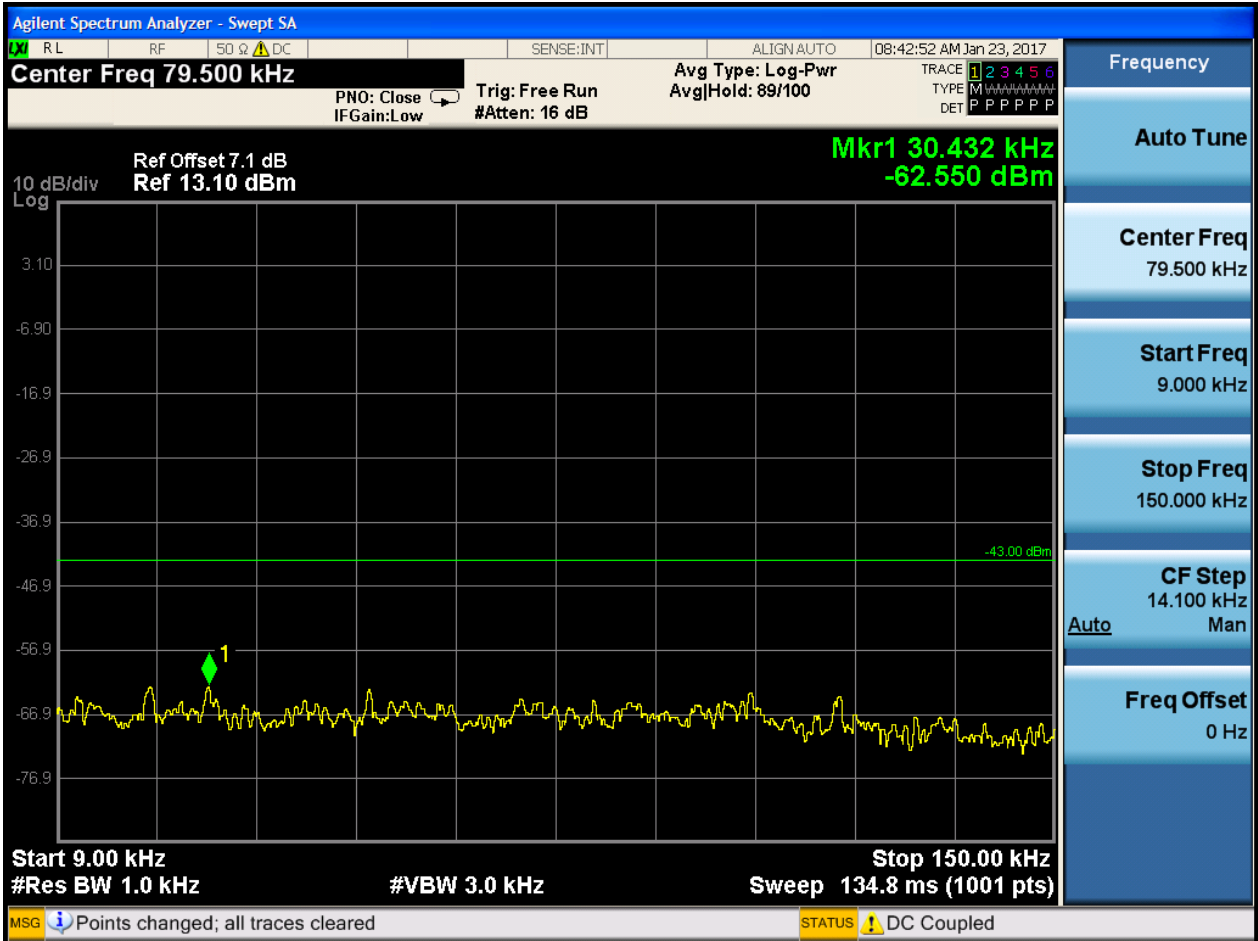


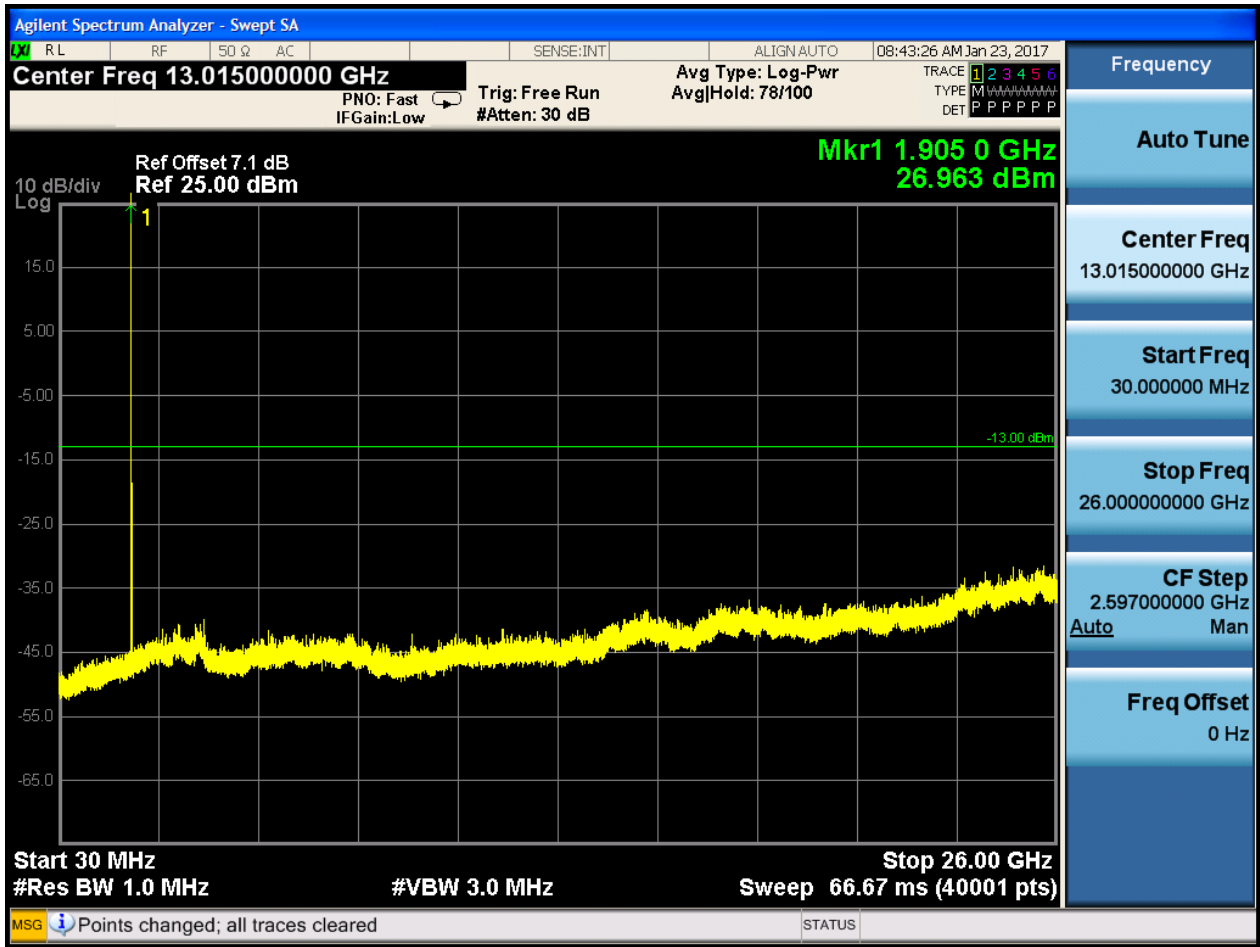




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



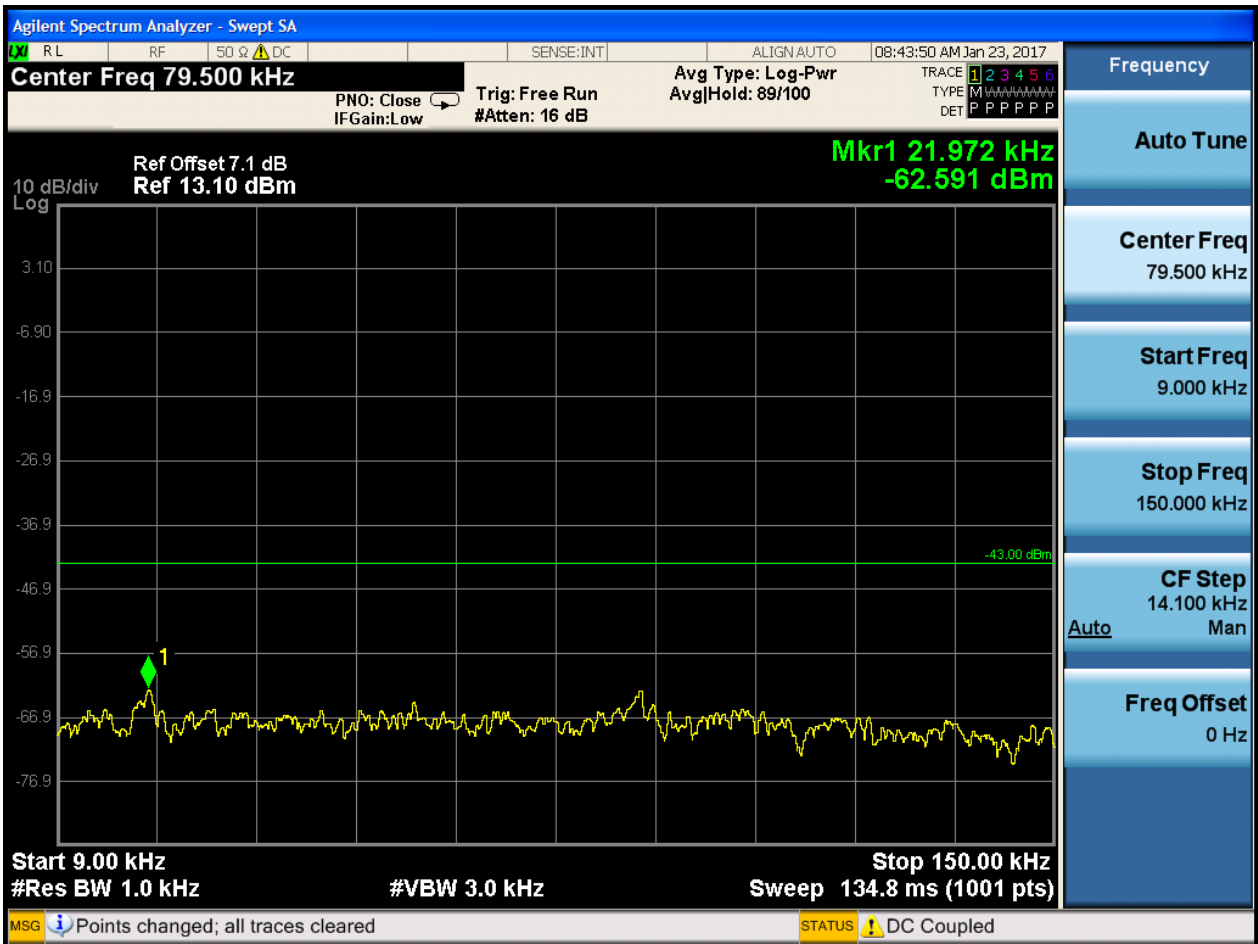


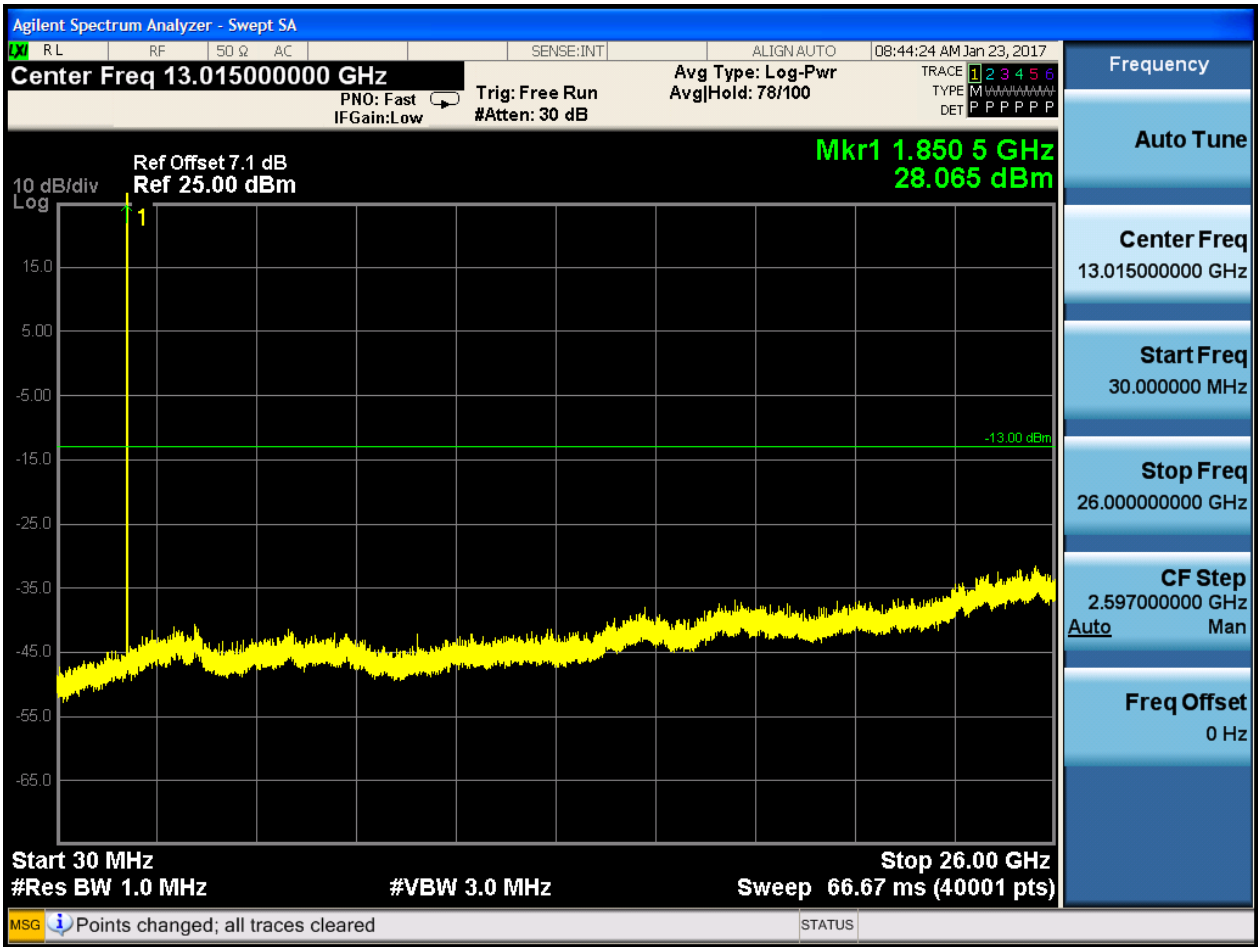


6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

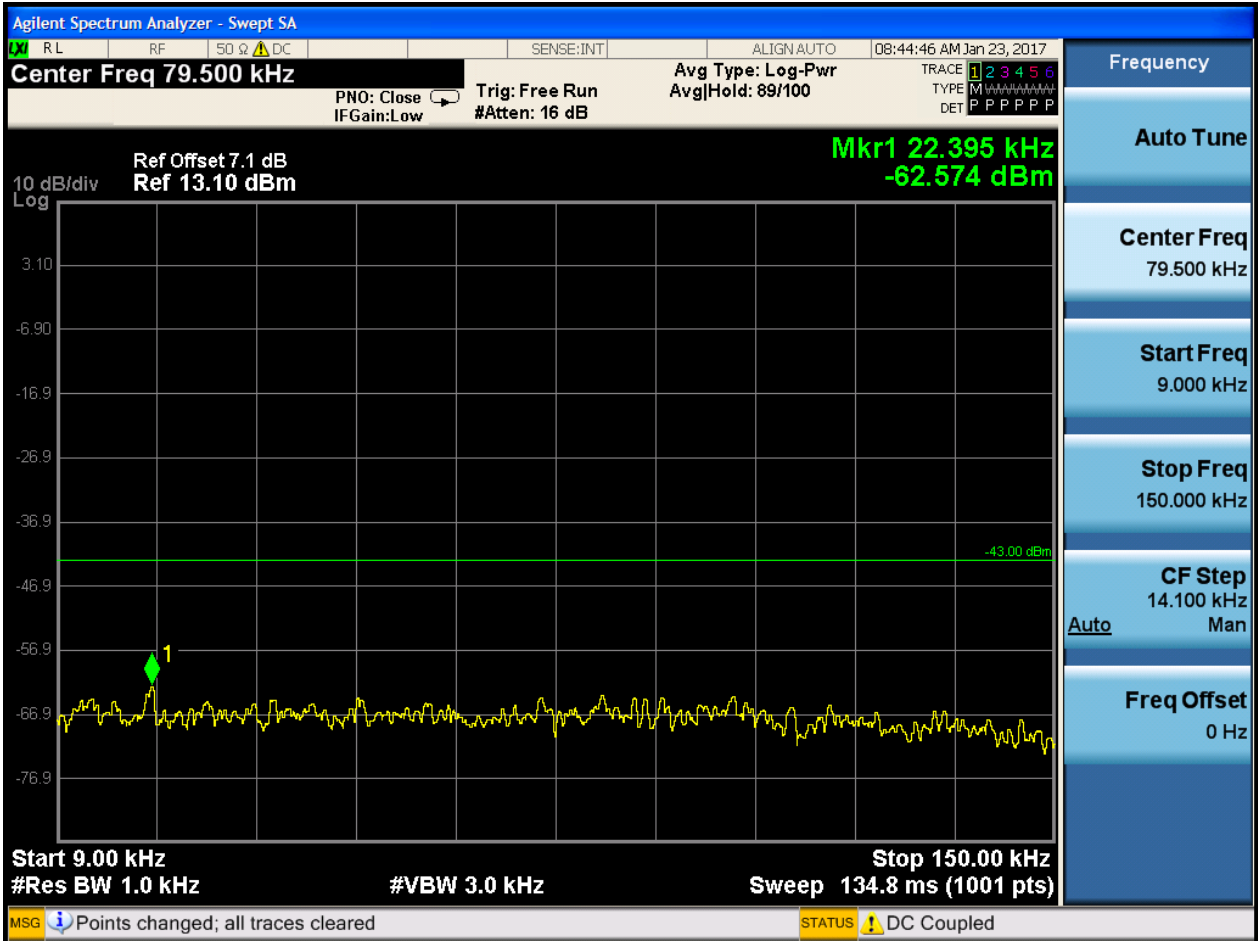


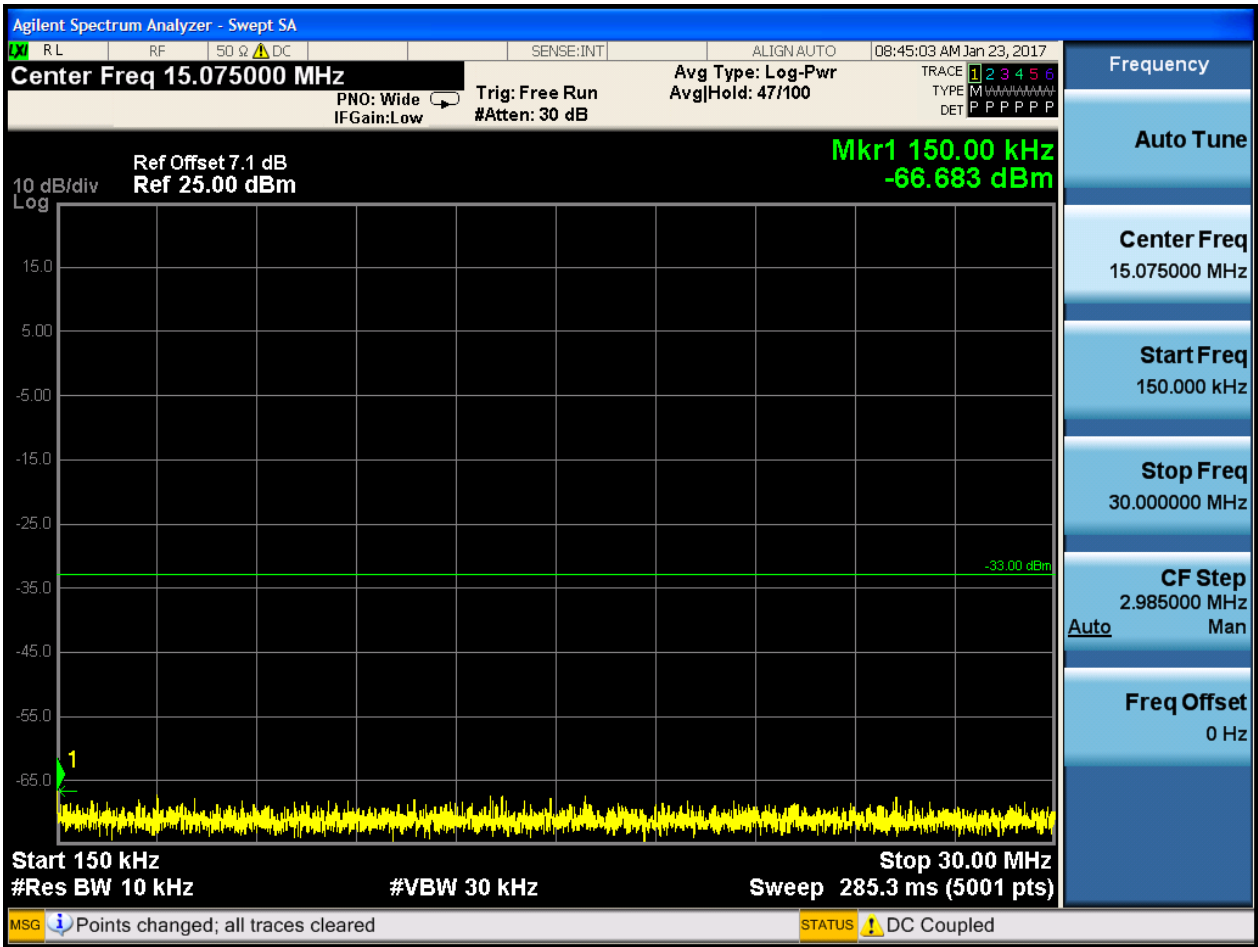


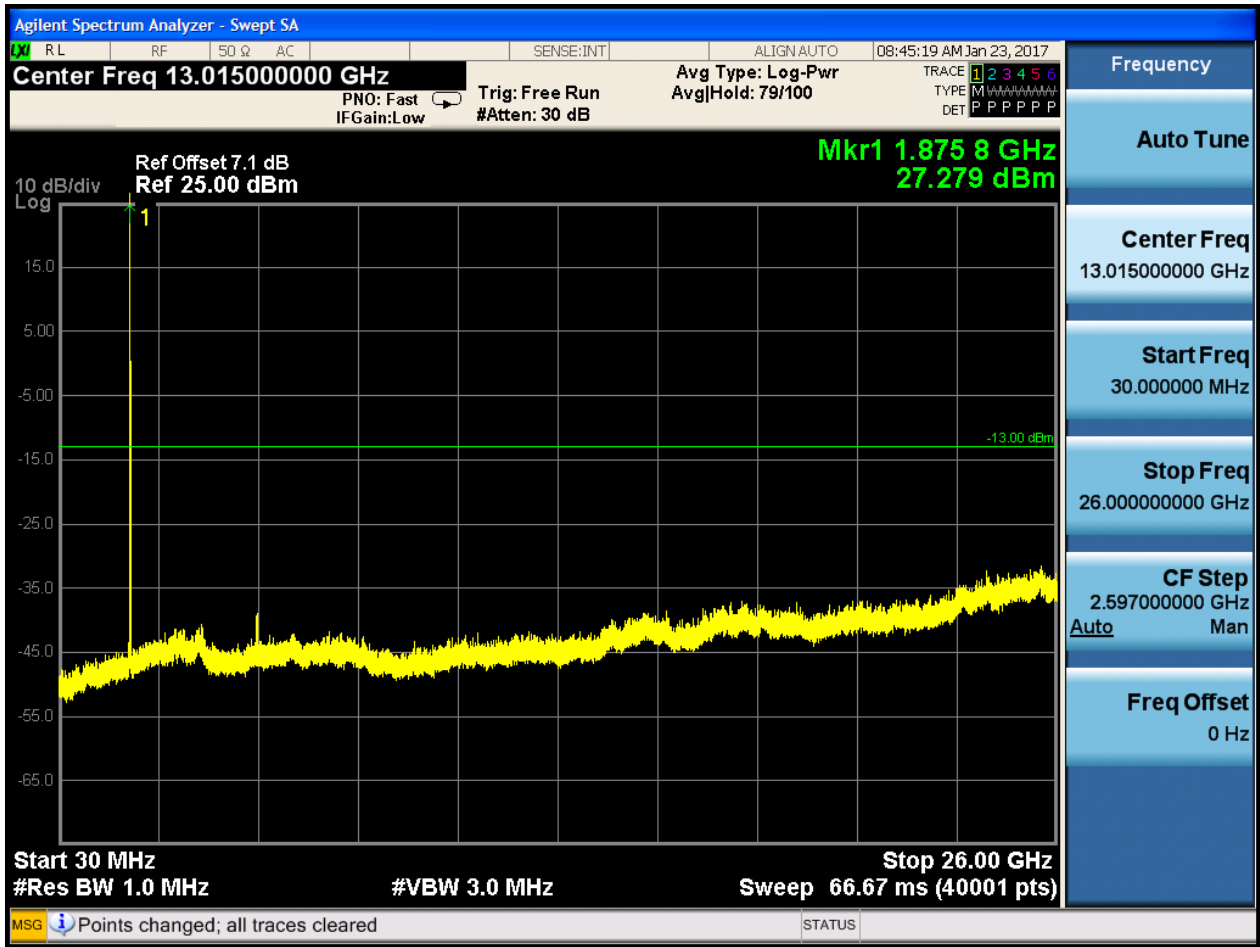


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



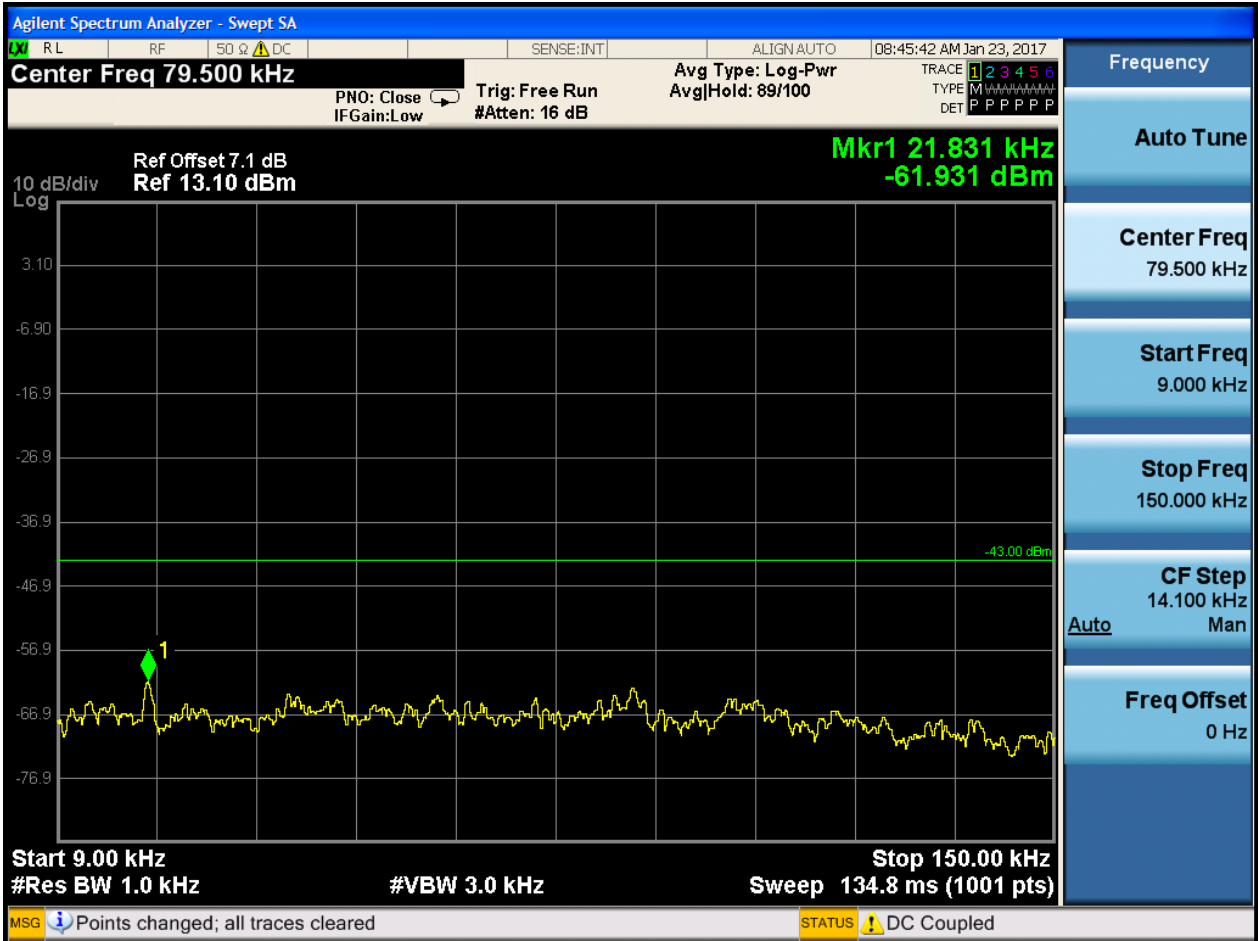


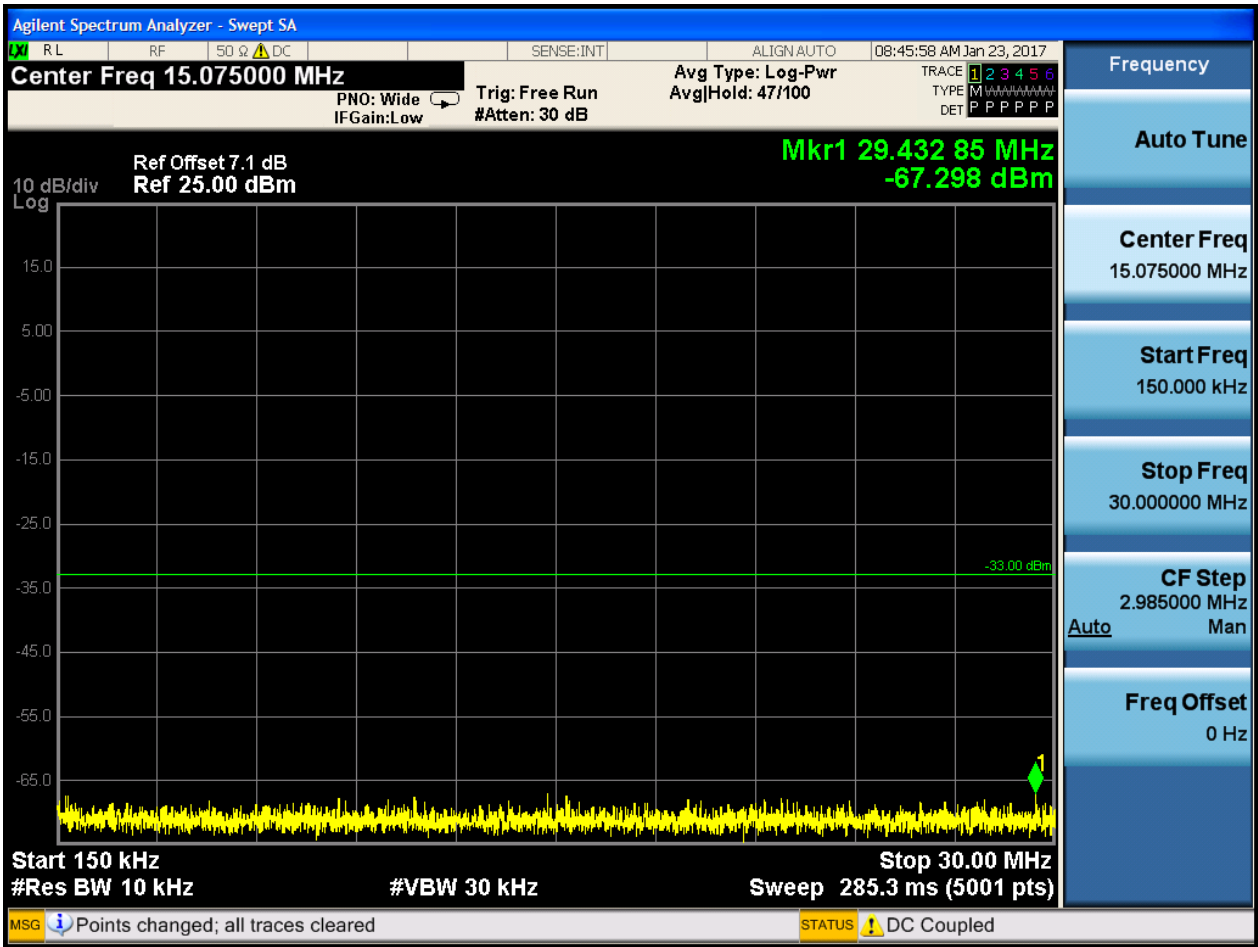


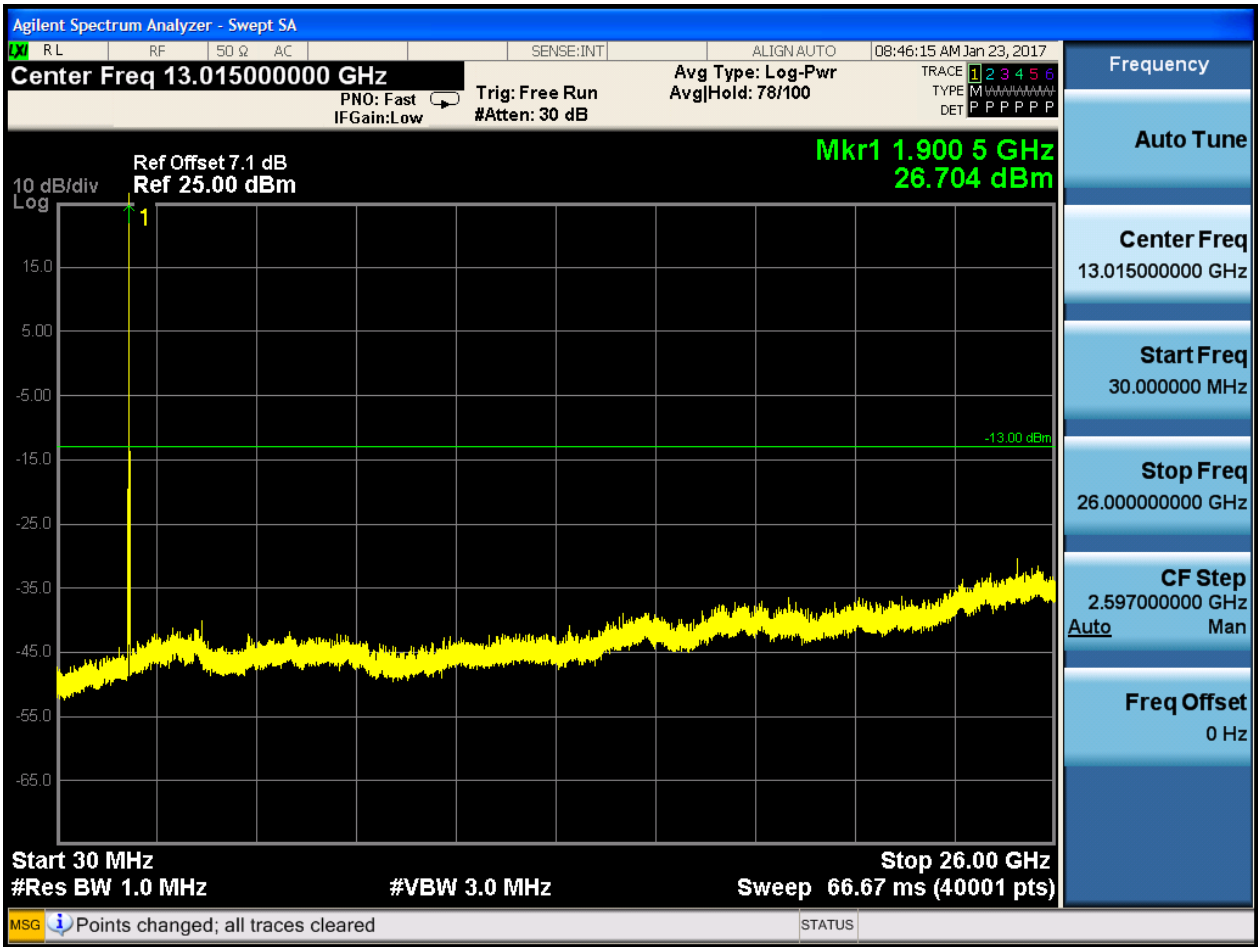


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0





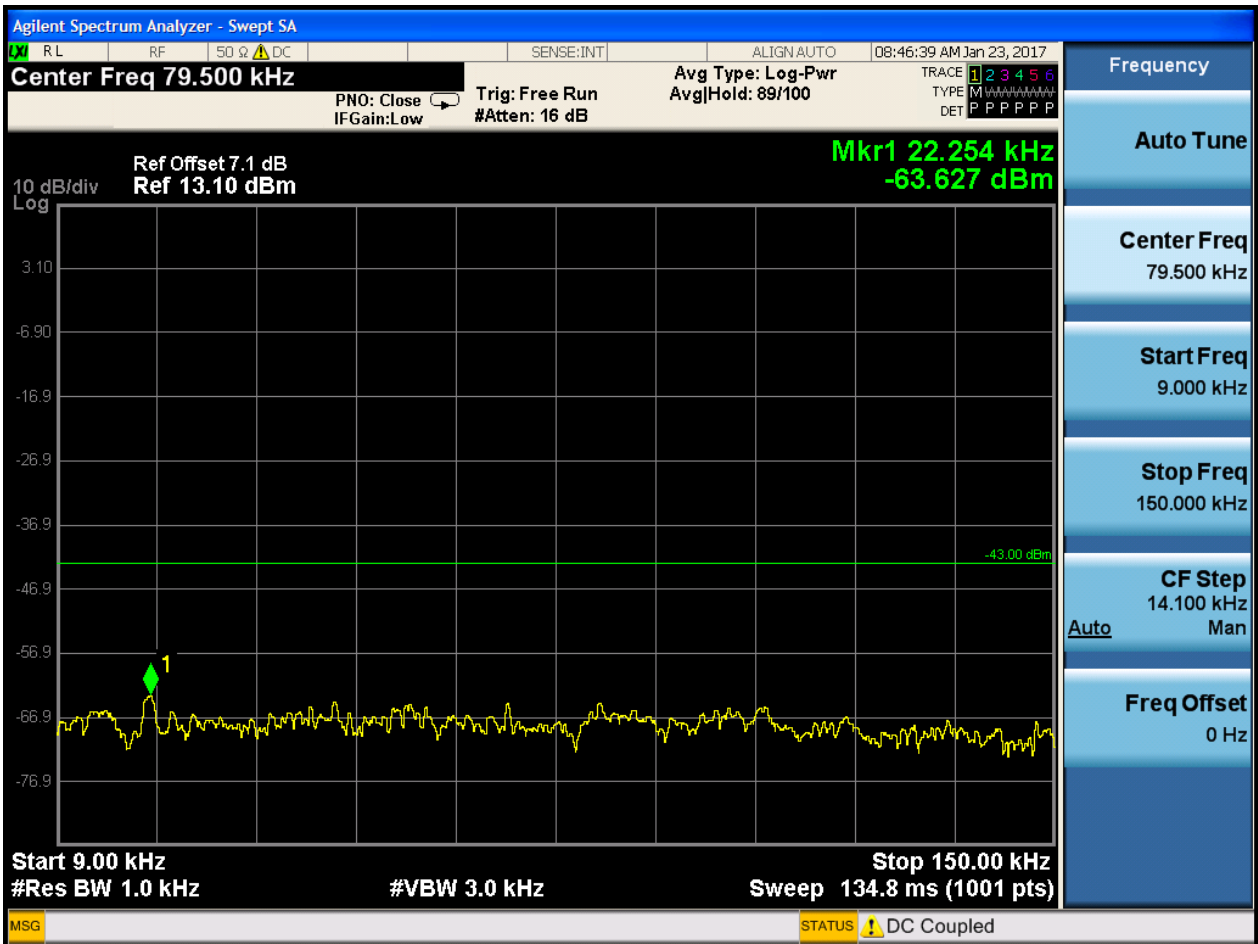


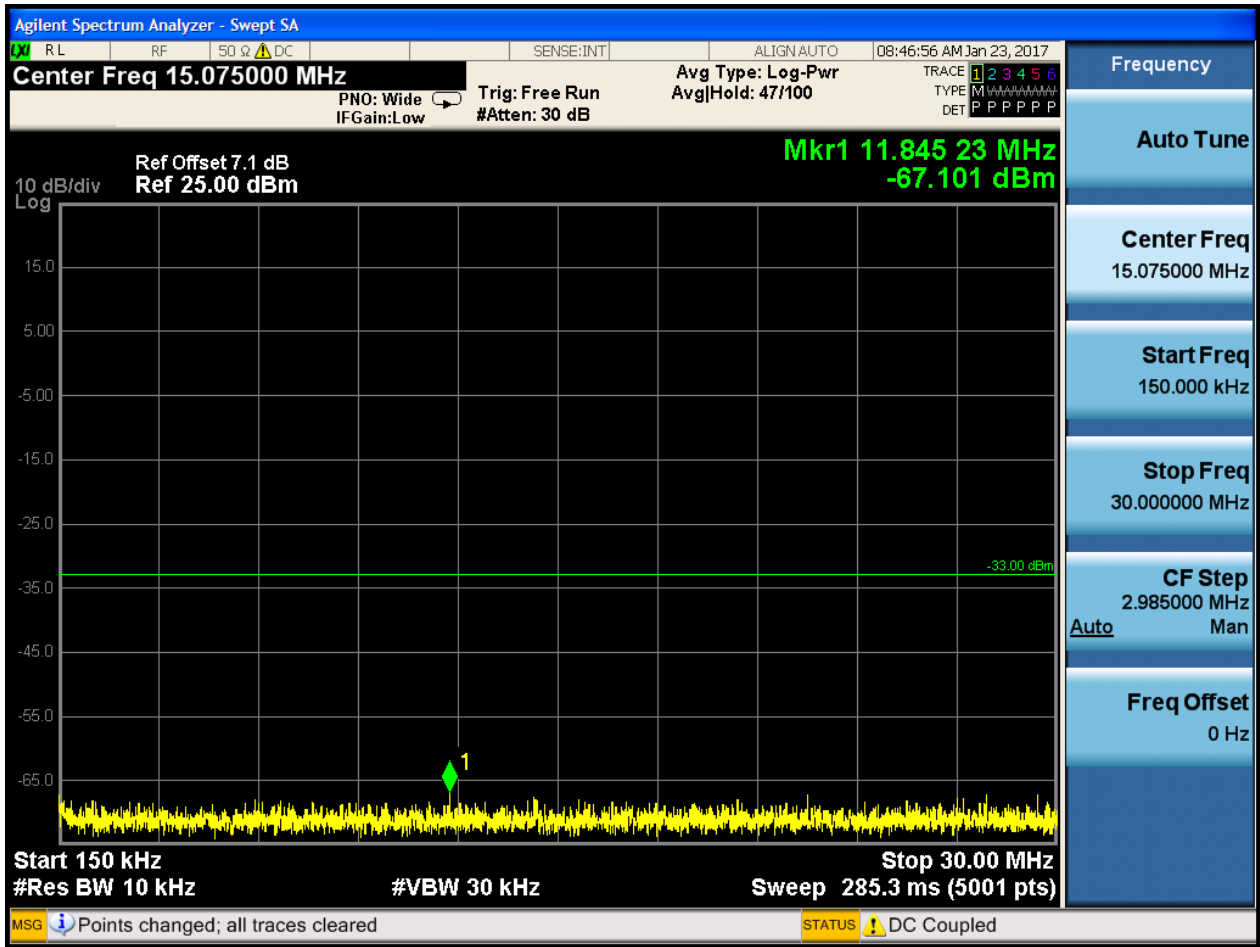


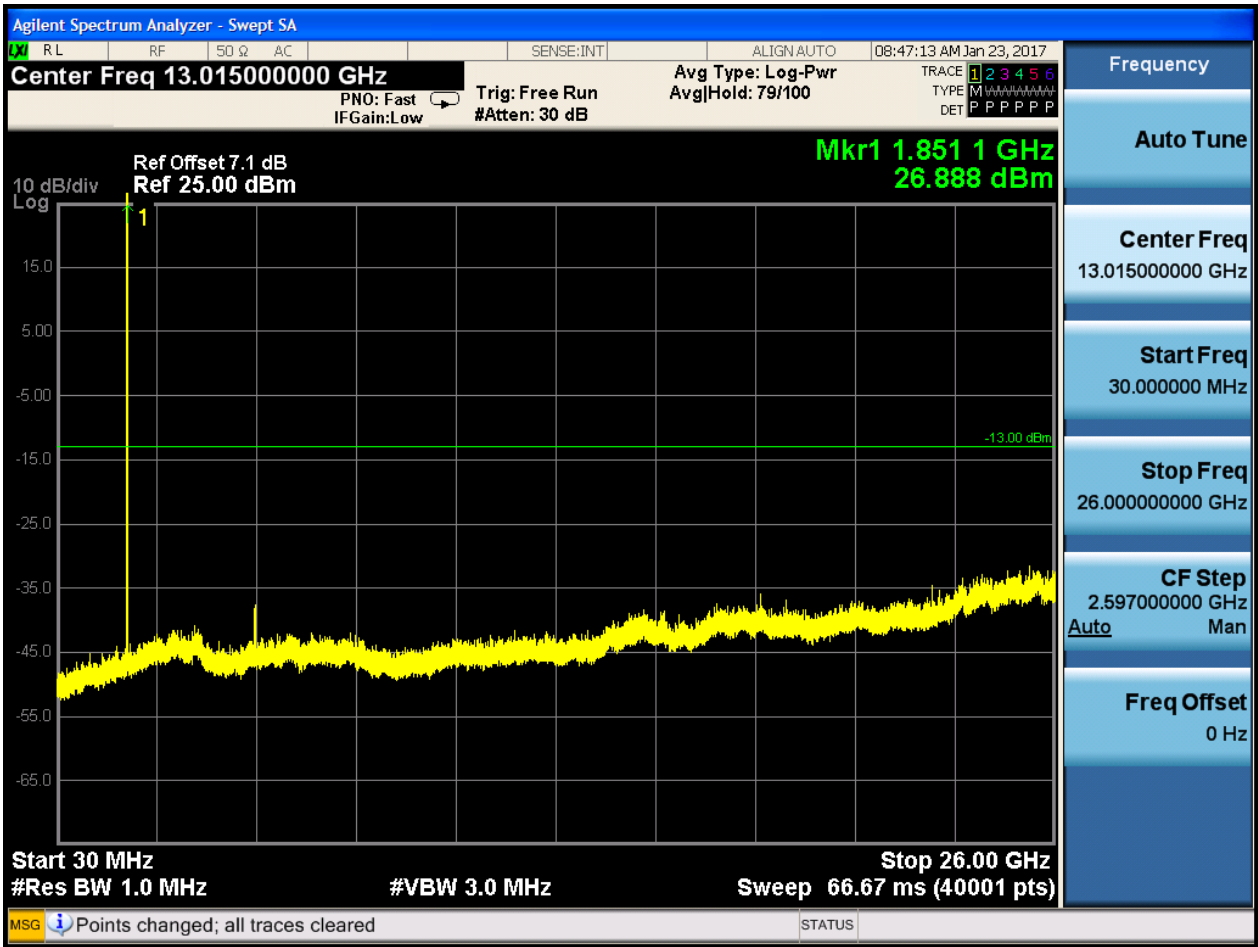
6.1.1.2.5 Test Bandwidth = 15

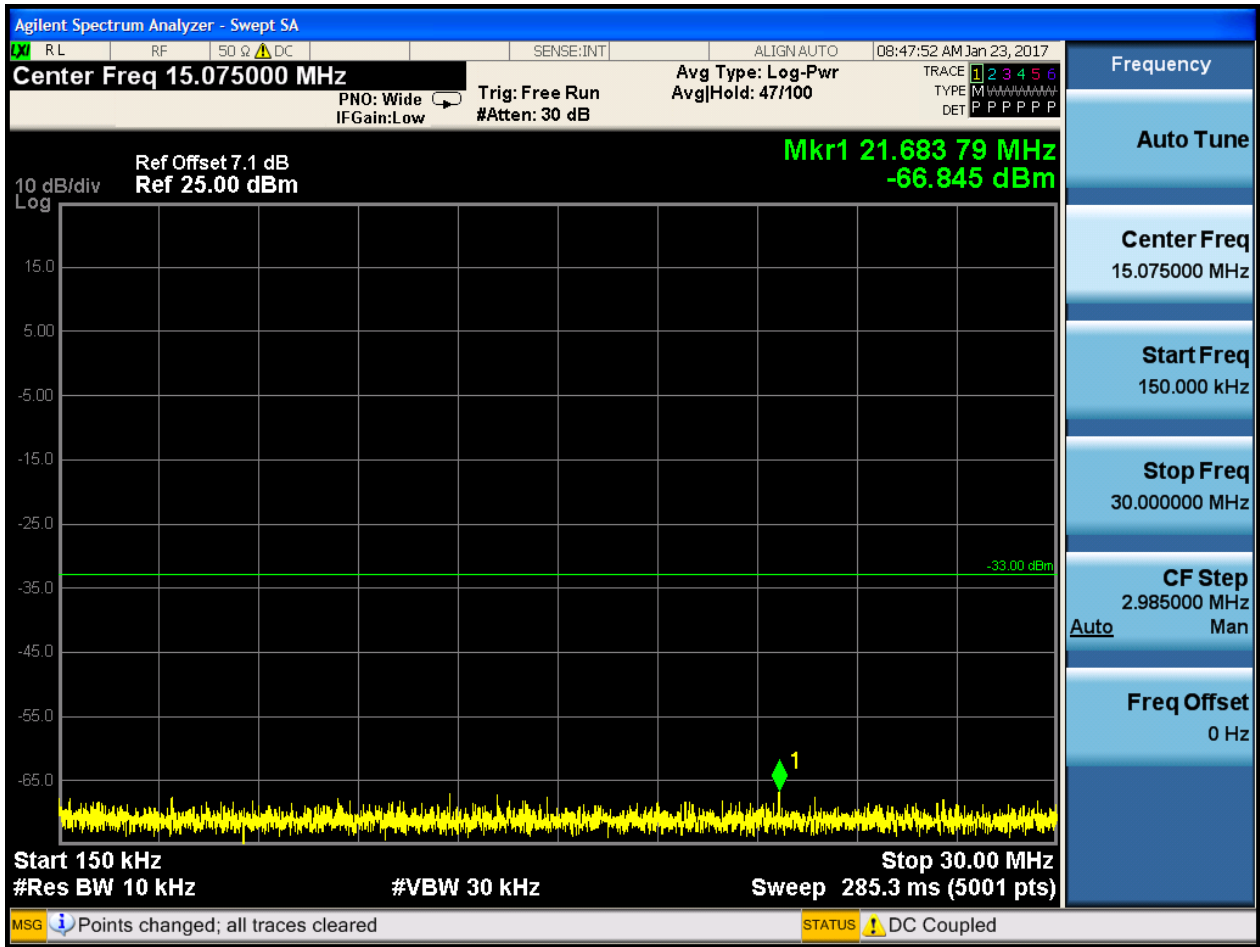
6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0





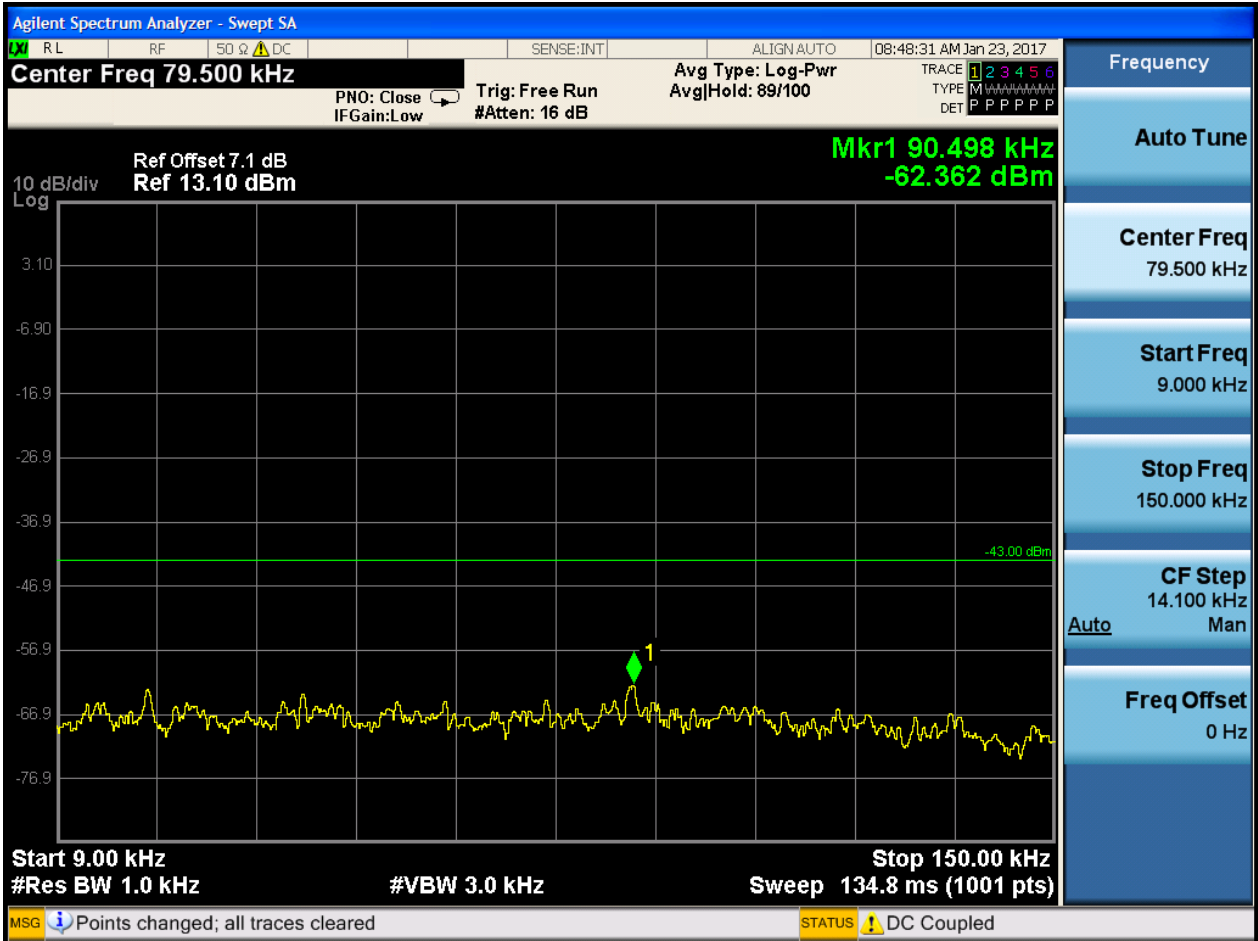


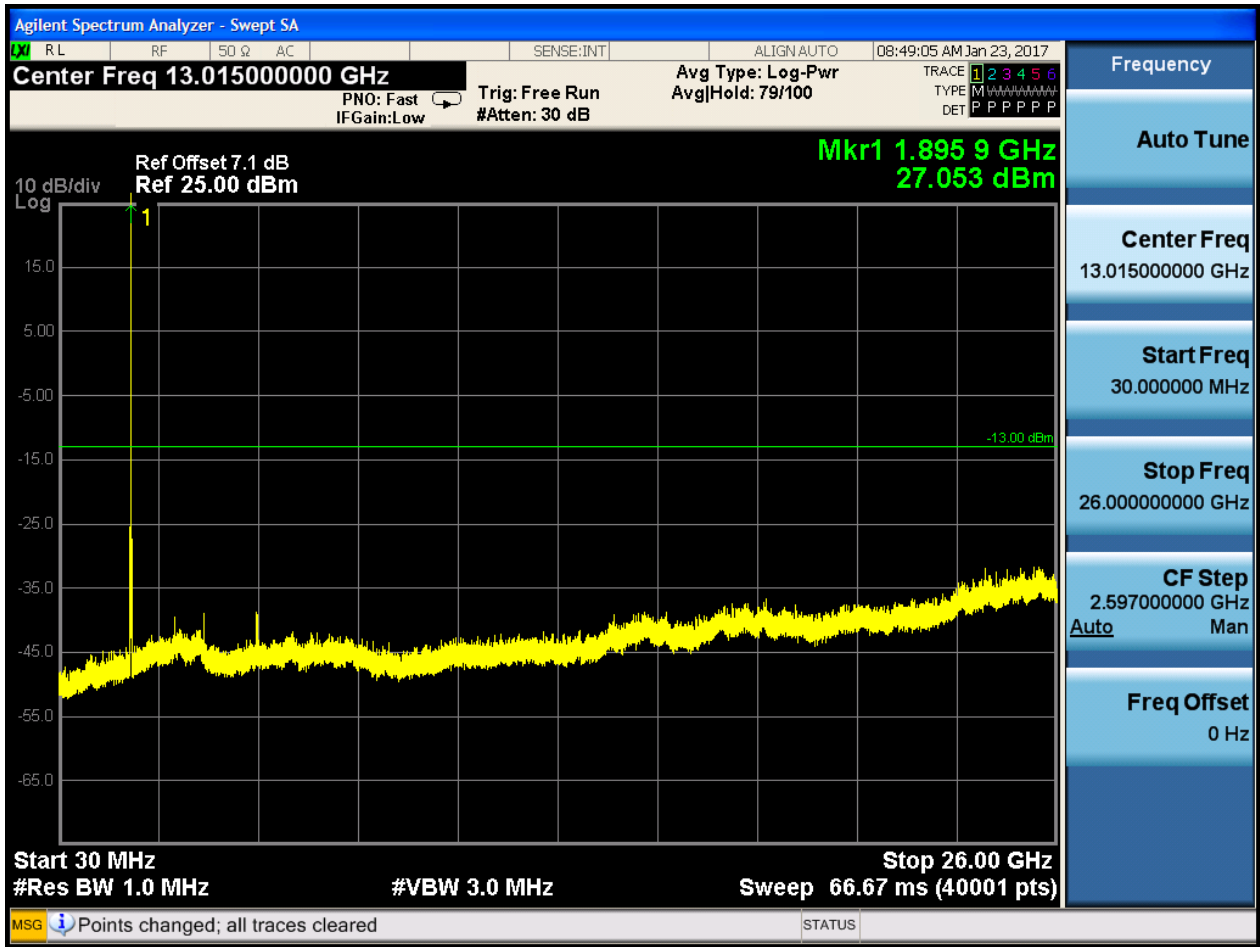




6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0



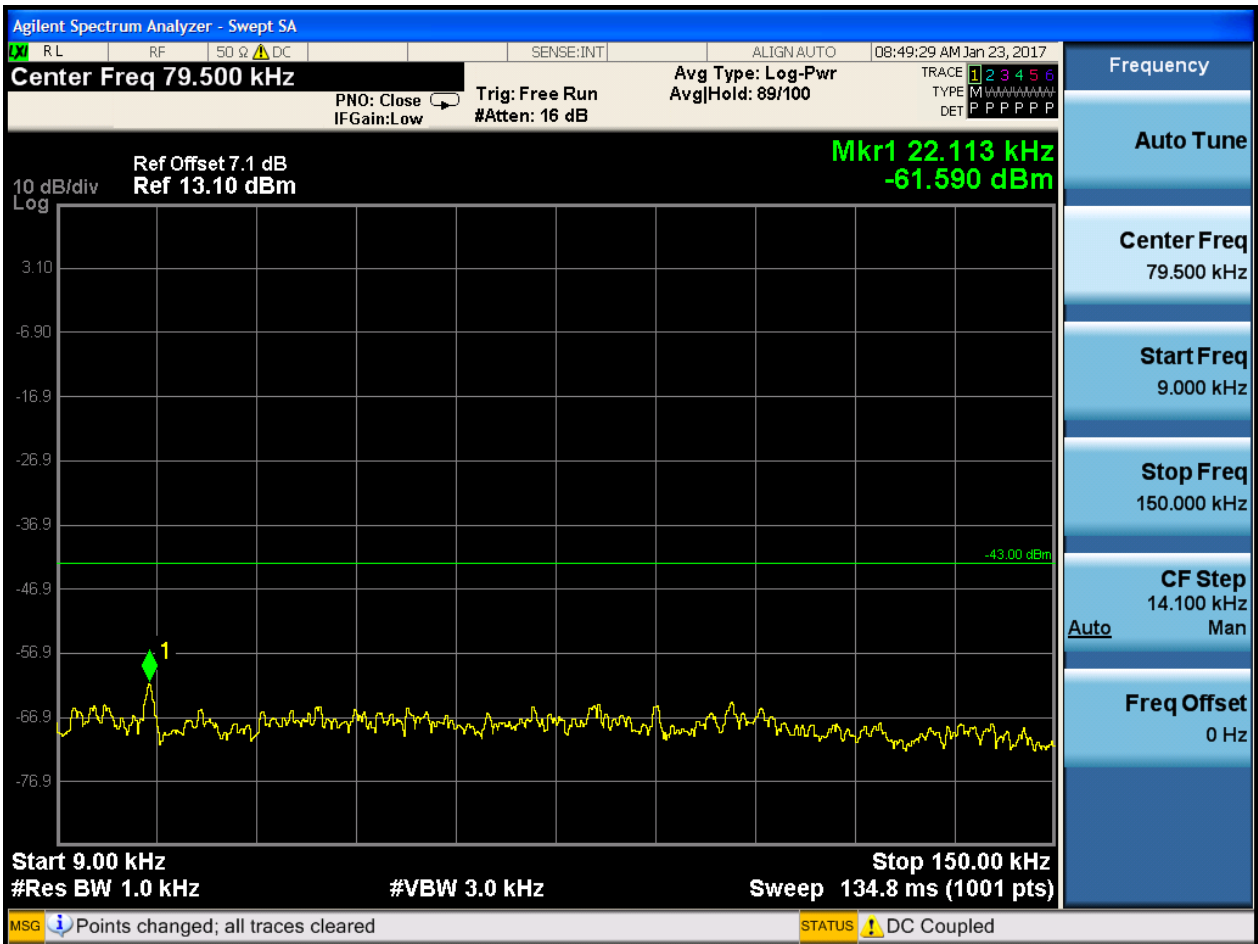


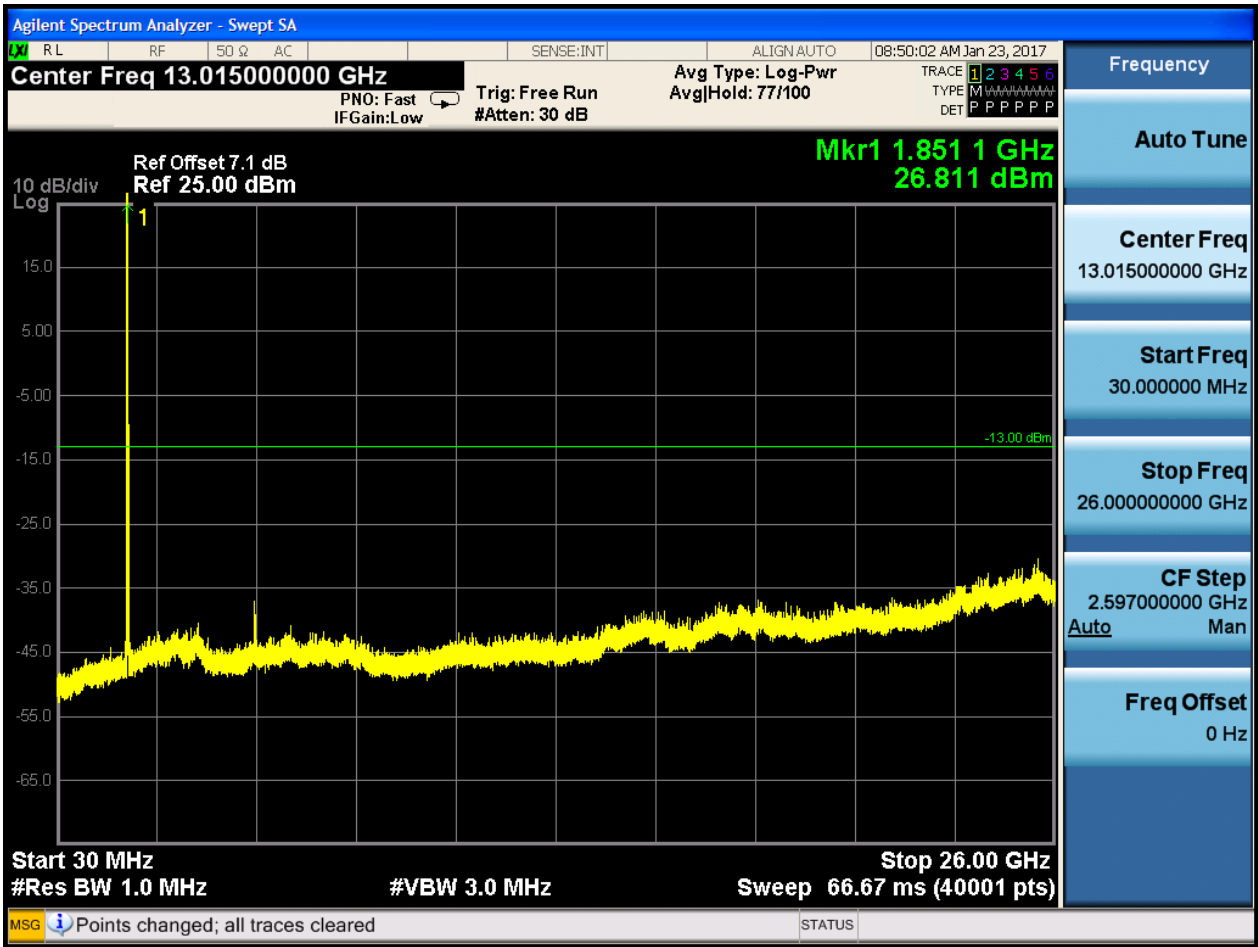


6.1.1.2.6 Test Bandwidth = 20

6.1.1.2.6.1 Test Channel = LCH

6.1.1.2.6.1.1 Test RB = RB1#0

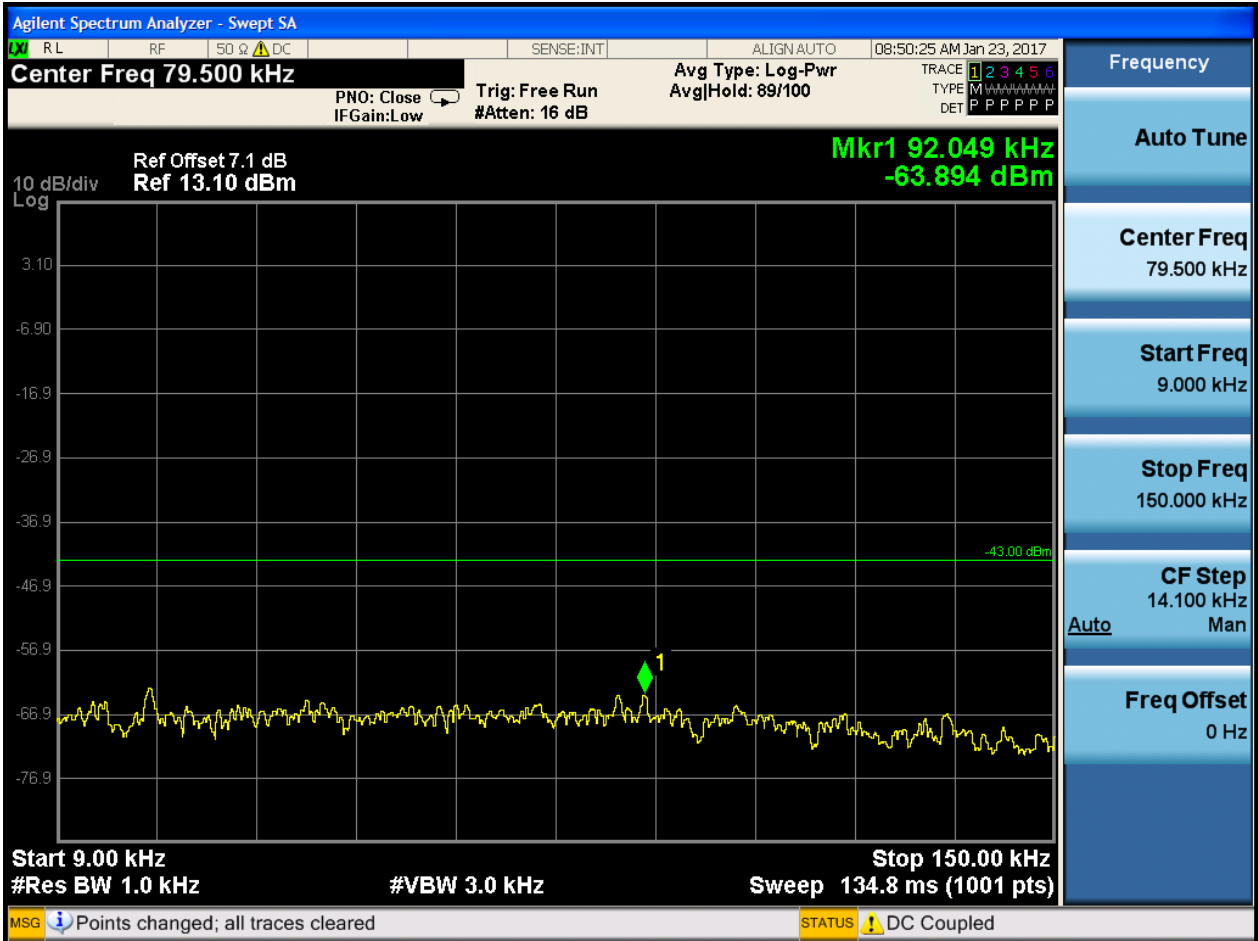


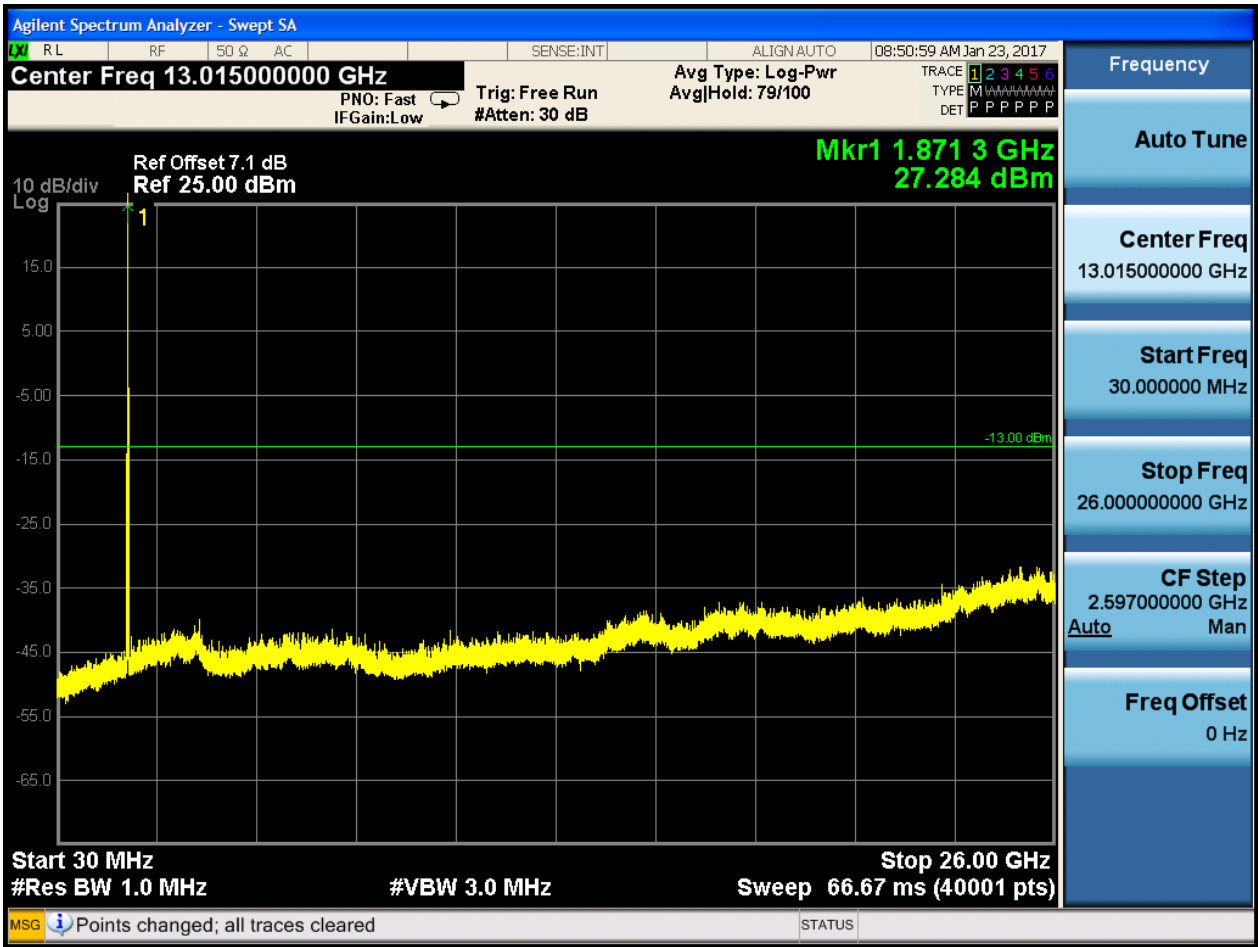


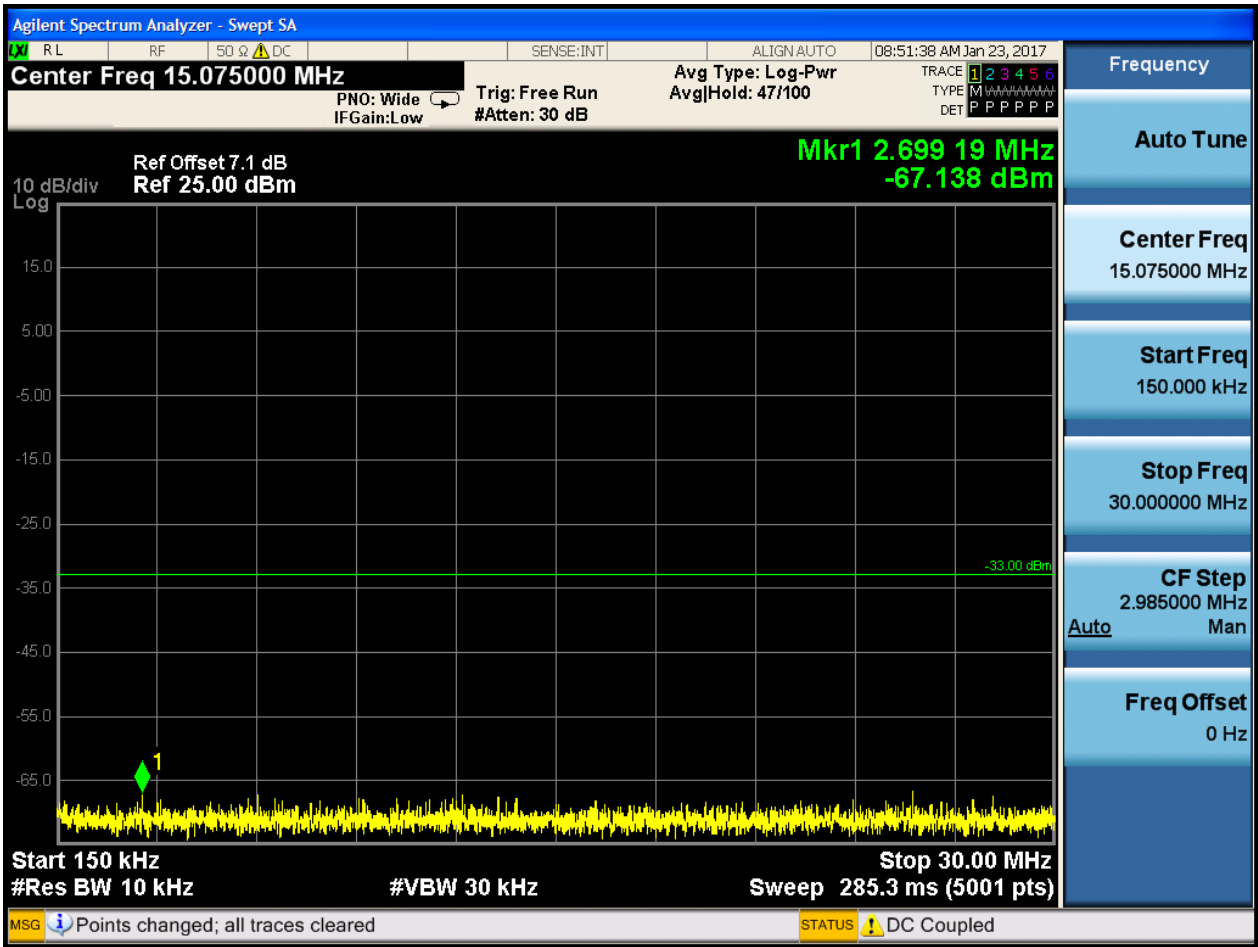


6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0











7Appendix_G: Frequency Stability

7.1 For LTE

7.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND2	LTE/TM1	1.4	LCH	TN	VL	-1.83	-0.00099	PASS
					VN	-4.09	-0.00221	PASS
					VH	2.35	0.00127	PASS
			MCH	TN	VL	-1.96	-0.00104	PASS
					VN	-15.54	-0.00827	PASS
					VH	-43.52	-0.02315	PASS
			HCH	TN	VL	-1.24	-0.00065	PASS
					VN	-6.55	-0.00343	PASS
					VH	-10.46	-0.00548	PASS
		3	LCH	TN	VL	-15.84	-0.00856	PASS
					VN	-0.86	-0.00046	PASS
					VH	-3.83	-0.00207	PASS
			MCH	TN	VL	-10.27	-0.00546	PASS
					VN	-1.72	-0.00091	PASS
					VH	0.06	0.00003	PASS
			HCH	TN	VL	-1.30	-0.00068	PASS
					VN	-2.65	-0.00139	PASS
					VH	-4.21	-0.00221	PASS
		5	LCH	TN	VL	-6.08	-0.00328	PASS
					VN	-0.87	-0.00047	PASS
					VH	-0.30	-0.00016	PASS
			MCH	TN	VL	-2.33	-0.00124	PASS
					VN	0.34	0.00018	PASS
					VH	1.63	0.00087	PASS
			HCH	TN	VL	-13.32	-0.00698	PASS
					VN	-1.50	-0.00079	PASS
					VH	-3.22	-0.00169	PASS
10	LCH	TN	VL	-3.28	-0.00177	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	-2.89	-0.00156	PASS		
					VH	-0.82	-0.00044	PASS		
					MCH	TN	VL	-1.56	-0.00083	PASS
							VN	-2.88	-0.00153	PASS
					VH		VH	-3.40	-0.00181	PASS
							VL	-1.54	-0.00081	PASS
			HCH	TN	VN	0.13	0.00007	PASS		
					VH	-0.92	-0.00048	PASS		
					VL	-2.73	-0.00147	PASS		
			15	LCH	TN	VN	-4.63	-0.00249	PASS	
						VH	-2.62	-0.00141	PASS	
						VL	-1.43	-0.00076	PASS	
		MCH		TN	VN	-4.68	-0.00249	PASS		
					VH	-0.04	-0.00002	PASS		
					VL	-3.19	-0.00168	PASS		
		HCH		TN	VN	-2.73	-0.00143	PASS		
					VH	-1.16	-0.00061	PASS		
					VL	-0.72	-0.00039	PASS		
		20		LCH	TN	VN	-1.79	-0.00096	PASS	
						VH	-1.12	-0.00006	PASS	
						VL	-1.23	-0.00065	PASS	
			MCH	TN	VN	-3.16	-0.00168	PASS		
					VH	-2.46	-0.00131	PASS		
					VL	-3.88	-0.00204	PASS		
			HCH	TN	VN	-2.46	-0.00129	PASS		
					VH	-3.62	-0.00191	PASS		
					VL	-23.92	-0.01292	PASS		
		LTE/TM2	1.4	LCH	TN	VN	5.14	0.00278	PASS	
						VH	-4.22	-0.00228	PASS	
						VL	10.97	0.00584	PASS	
				MCH	TN	VN	7.42	0.00395	PASS	
						VH	-10.51	-0.00559	PASS	
						VL	-0.57	-0.0003	PASS	
				HCH	TN	VN	-29.93	-0.01568	PASS	
						VH	-9.44	-0.00494	PASS	
						VL	-2.10	-0.00113	PASS	
				3	LCH	TN	VN	-3.03	-0.00164	PASS
							VH	-4.31	-0.00233	PASS
							MCH	TN	VL	1.92



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			HCH	TN	VN	3.75	0.00199	PASS	
					VH	-9.31	-0.00495	PASS	
					VL	0.93	0.00049	PASS	
					VN	-5.54	-0.0029	PASS	
					VH	-2.07	-0.00108	PASS	
					VL	1.22	0.00066	PASS	
		5	LCH	TN	VN	-2.00	-0.00108	PASS	
					VH	-7.08	-0.00382	PASS	
					VL	-1.70	-0.0009	PASS	
			MCH	TN	VN	2.73	0.00145	PASS	
					VH	-5.41	-0.00288	PASS	
					VL	-2.45	-0.00128	PASS	
			HCH	TN	VN	-4.63	-0.00243	PASS	
					VH	1.02	0.00053	PASS	
					VL	0.03	0.00002	PASS	
			10	LCH	TN	VN	-8.61	-0.00464	PASS
						VH	-11.50	-0.0062	PASS
						VL	-2.17	-0.00115	PASS
		MCH		TN	VN	-0.53	-0.00028	PASS	
					VH	-1.75	-0.00093	PASS	
					VL	-2.23	-0.00117	PASS	
		HCH		TN	VN	-1.20	-0.00063	PASS	
					VH	2.55	0.00134	PASS	
					VL	-1.04	-0.00056	PASS	
		15		LCH	TN	VN	-0.49	-0.00026	PASS
						VH	-2.26	-0.00122	PASS
						VL	-2.82	-0.0015	PASS
			MCH	TN	VN	-1.57	-0.00084	PASS	
					VH	-0.56	-0.0003	PASS	
					VL	0.36	0.00019	PASS	
			HCH	TN	VN	1.13	0.00059	PASS	
					VH	-0.49	-0.00026	PASS	
					VL	0.63	0.00034	PASS	
			20	LCH	TN	VN	1.72	0.00092	PASS
						VH	1.02	0.00055	PASS
						VL	0.29	0.00015	PASS
		MCH		TN	VN	-1.70	-0.0009	PASS	
					VH	0.04	0.00002	PASS	
					VL	0.90	0.00047	PASS	
		HCH		TN	VL	0.90	0.00047	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	3.12	0.00164	PASS
					VH	0.51	0.00027	PASS

7.1.2 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
BAND2	LTE/TM1	1.4	LCH	VN	-30	1.24	0.00067	PASS
					-20	-1.13	-0.00061	PASS
					-10	-1.49	-0.00081	PASS
					0	-22.10	-0.01194	PASS
					10	-0.09	-0.00005	PASS
					20	-2.59	-0.0014	PASS
					30	4.59	0.00248	PASS
					40	-0.47	-0.00025	PASS
					50	4.65	0.00251	PASS
			MCH	VN	-30	6.72	0.00357	PASS
					-20	4.12	0.00219	PASS
					-10	-24.46	-0.01301	PASS
					0	28.21	0.01501	PASS
					10	-17.22	-0.00916	PASS
					20	-16.04	-0.00853	PASS
					30	-17.78	-0.00946	PASS
					40	-9.17	-0.00488	PASS
					50	-0.53	-0.00028	PASS
		HCH	VN	-30	-0.54	-0.00028	PASS	
				-20	4.89	0.00256	PASS	
				-10	-1.99	-0.00104	PASS	
				0	1.92	0.00101	PASS	
				10	-44.85	-0.02349	PASS	
				20	13.18	0.0069	PASS	
				30	-3.53	-0.00185	PASS	
				40	-2.52	-0.00132	PASS	
				50	0.47	0.00025	PASS	
		3	LCH	VN	-30	-6.31	-0.00341	PASS
-20	3.29				0.00178	PASS		
-10	2.39				0.00129	PASS		
0	1.79				0.00097	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					10	-2.92	-0.00158	PASS	
					20	-3.22	-0.00174	PASS	
					30	2.68	0.00145	PASS	
					40	-2.36	-0.00127	PASS	
					50	-0.31	-0.00017	PASS	
			MCH	VN	-30	3.49	0.00186	PASS	
					-20	-6.22	-0.00331	PASS	
					-10	-2.65	-0.00141	PASS	
					0	-0.89	-0.00047	PASS	
					10	-3.86	-0.00205	PASS	
					20	-5.71	-0.00304	PASS	
					30	-3.62	-0.00193	PASS	
					40	-4.13	-0.0022	PASS	
			HCH	VN	-30	1.04	0.00054	PASS	
					-20	-0.11	-0.00006	PASS	
					-10	1.62	0.00085	PASS	
					0	-4.53	-0.00237	PASS	
					10	-0.72	-0.00038	PASS	
					20	-5.55	-0.00291	PASS	
					30	-5.91	-0.0031	PASS	
					40	-0.23	-0.00012	PASS	
			5	LCH	VN	-30	1.50	0.00081	PASS
						-20	-2.85	-0.00154	PASS
						-10	2.70	0.00146	PASS
						0	-1.93	-0.00104	PASS
						10	-1.04	-0.00056	PASS
						20	-1.96	-0.00106	PASS
				MCH	VN	30	1.10	0.00059	PASS
						40	-0.87	-0.00047	PASS
						50	-3.08	-0.00166	PASS
						-30	1.26	0.00067	PASS
						-20	-1.82	-0.00097	PASS
						-10	-9.57	-0.00509	PASS
						0	-5.15	-0.00274	PASS
			10	1.04	0.00055	PASS			
			20	-1.54	-0.00082	PASS			
30	2.20	0.00117	PASS						

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	1.83	0.00097	PASS		
					50	-1.75	-0.00093	PASS		
			HCH	VN	-30	1.20	0.00063	PASS		
					-20	-4.21	-0.00221	PASS		
					-10	-1.65	-0.00087	PASS		
					0	-12.85	-0.00674	PASS		
					10	-5.54	-0.0029	PASS		
					20	-2.59	-0.00136	PASS		
					30	-3.32	-0.00174	PASS		
					40	-2.43	-0.00127	PASS		
		50	-0.07	-0.00004	PASS					
					LCH	VN	-30	-7.55	-0.00407	PASS
							-20	-5.44	-0.00293	PASS
							-10	0.94	0.00051	PASS
							0	2.12	0.00114	PASS
							10	-2.53	-0.00136	PASS
							20	-4.35	-0.00235	PASS
							30	-12.42	-0.0067	PASS
							40	-6.22	-0.00335	PASS
							50	-1.75	-0.00094	PASS
										MCH
		-20	-1.83	-0.00097	PASS					
		-10	2.33	0.00124	PASS					
		0	-0.06	-0.00003	PASS					
		10	2.07	0.0011	PASS					
		20	-0.63	-0.00034	PASS					
		30	-0.09	-0.00005	PASS					
		40	0.49	0.00026	PASS					
		50	-1.37	-0.00073	PASS					
					HCH	VN				
							-20	2.36	0.00124	PASS
							-10	1.22	0.00064	PASS
							0	0.36	0.00019	PASS
							10	2.06	0.00108	PASS
							20	-0.20	-0.0001	PASS
							30	1.69	0.00089	PASS
							40	-0.33	-0.00017	PASS
							50	-1.86	-0.00098	PASS
							15	LCH	VN	-30

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-0.51	-0.00027	PASS
					-10	-1.27	-0.00068	PASS
					0	-1.20	-0.00065	PASS
					10	-5.71	-0.00307	PASS
					20	0.53	0.00029	PASS
					30	0.59	0.00032	PASS
					40	0.33	0.00018	PASS
					50	2.39	0.00129	PASS
			MCH	VN	-30	-2.10	-0.00112	PASS
					-20	-1.26	-0.00067	PASS
					-10	0.09	0.00005	PASS
					0	-0.41	-0.00022	PASS
					10	-2.62	-0.00139	PASS
					20	-1.43	-0.00076	PASS
					30	-0.40	-0.00021	PASS
					40	-1.49	-0.00079	PASS
			HCH	VN	-30	1.13	0.00059	PASS
					-20	-1.75	-0.00092	PASS
					-10	0.16	0.00008	PASS
					0	-1.44	-0.00076	PASS
					10	0.23	0.00012	PASS
					20	1.76	0.00093	PASS
					30	1.03	0.00054	PASS
					40	-1.53	-0.0008	PASS
		20	LCH	VN	-30	3.89	0.00209	PASS
					-20	3.73	0.00201	PASS
					-10	0.63	0.00034	PASS
					0	-2.02	-0.00109	PASS
					10	-0.93	-0.0005	PASS
					20	-1.27	-0.00068	PASS
					30	-1.24	-0.00067	PASS
					40	0.20	0.00011	PASS
			50	-1.29	-0.00069	PASS		
			MCH	VN	-30	1.12	0.0006	PASS
					-20	-0.66	-0.00035	PASS
					-10	0.21	0.00011	PASS
0	-0.59	-0.00031			PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-0.51	-0.00027	PASS		
					20	-1.57	-0.00084	PASS		
					30	-1.57	-0.00084	PASS		
					40	-1.36	-0.00072	PASS		
					50	-2.25	-0.0012	PASS		
			HCH	VN	-30	2.22	0.00117	PASS		
					-20	7.55	0.00397	PASS		
					-10	2.70	0.00142	PASS		
					0	4.92	0.00259	PASS		
					10	2.70	0.00142	PASS		
					20	7.14	0.00376	PASS		
					30	5.08	0.00267	PASS		
					40	3.40	0.00179	PASS		
					50	2.35	0.00124	PASS		
					LCH	VN	-30	-2.65	-0.00143	PASS
							-20	-1.90	-0.00103	PASS
							-10	1.14	0.00062	PASS
							0	-8.78	-0.00474	PASS
							10	-6.12	-0.00331	PASS
							20	-5.72	-0.00309	PASS
	30	0.72	0.00039	PASS						
	40	-7.45	-0.00403	PASS						
	50	1.12	0.00061	PASS						
	MCH	VN	-30	6.27			0.00334	PASS		
			-20	-4.48	-0.00238	PASS				
			-10	20.37	0.01084	PASS				
			0	25.33	0.01347	PASS				
			10	-19.87	-0.01057	PASS				
			20	-10.16	-0.0054	PASS				
			30	-19.18	-0.0102	PASS				
			40	-15.21	-0.00809	PASS				
			50	-6.17	-0.00328	PASS				
			HCH	VN	-30	6.27	0.00328	PASS		
	-20	-12.19			-0.00638	PASS				
	-10	0.11			0.00006	PASS				
	0	-1.47			-0.00077	PASS				
	10	-3.73			-0.00195	PASS				
	20	-8.48			-0.00444	PASS				
	30	-1.37			-0.00072	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	4.12	0.00216	PASS		
					50	0.40	0.00021	PASS		
		3	LCH	VN	-30	-0.60	-0.00032	PASS		
					-20	-5.84	-0.00315	PASS		
					-10	-4.28	-0.00231	PASS		
					0	-0.46	-0.00025	PASS		
					10	-5.02	-0.00271	PASS		
					20	-3.68	-0.00199	PASS		
					30	0.41	0.00022	PASS		
					40	0.57	0.00031	PASS		
					50	3.19	0.00172	PASS		
					MCH	VN	-30	2.07	0.0011	PASS
							-20	-2.60	-0.00138	PASS
							-10	-12.09	-0.00643	PASS
							0	-2.82	-0.0015	PASS
							10	-2.96	-0.00157	PASS
							20	-3.48	-0.00185	PASS
							30	-10.63	-0.00565	PASS
							40	-14.83	-0.00789	PASS
					HCH	VN	50	1.96	0.00104	PASS
		-30	0.72	0.00038			PASS			
		-20	-2.12	-0.00111			PASS			
		-10	1.29	0.00068			PASS			
		0	-3.45	-0.00181			PASS			
		10	-4.91	-0.00257			PASS			
		20	-5.52	-0.00289			PASS			
		30	2.68	0.0014			PASS			
		5	LCH	VN	40	-0.76	-0.0004	PASS		
					50	-8.93	-0.00468	PASS		
					-30	-9.50	-0.00513	PASS		
					-20	-4.73	-0.00255	PASS		
					-10	4.12	0.00222	PASS		
0	1.16				0.00063	PASS				
10	-1.79				-0.00097	PASS				
20	-0.34				-0.00018	PASS				
30	2.60				0.0014	PASS				
40	1.70		0.00092	PASS						
MCH	VN	50	0.92	0.0005	PASS					
MCH	VN	-30	1.75	0.00093	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	-1.75	-0.00092	PASS			
					20	-0.67	-0.00035	PASS			
					30	-2.42	-0.00127	PASS			
					40	-2.15	-0.00113	PASS			
					50	-0.63	-0.00033	PASS			
					15	LCH	VN	-30	-2.79	-0.0015	PASS
								-20	2.16	0.00116	PASS
								-10	-5.51	-0.00297	PASS
								0	2.66	0.00143	PASS
								10	4.68	0.00252	PASS
		20	4.01	0.00216				PASS			
		30	9.83	0.00529				PASS			
		40	9.53	0.00513				PASS			
		50	8.03	0.00432				PASS			
		15	MCH	VN				-30	-2.83	-0.00151	PASS
					-20	-0.83	-0.00044	PASS			
					-10	-0.79	-0.00042	PASS			
					0	-2.13	-0.00113	PASS			
					10	-2.88	-0.00153	PASS			
					20	-1.29	-0.00069	PASS			
					30	-1.33	-0.00071	PASS			
					40	-0.79	-0.00042	PASS			
					50	-1.12	-0.0006	PASS			
					15	HCH	VN	-30	-0.44	-0.00023	PASS
		-20	-1.22	-0.00064				PASS			
		-10	-0.09	-0.00005				PASS			
		0	-0.40	-0.00021				PASS			
		10	-0.46	-0.00024				PASS			
		20	0.09	0.00005				PASS			
		30	-0.87	-0.00046				PASS			
		40	-0.19	-0.0001				PASS			
		50	-1.20	-0.00063				PASS			
		20	LCH	VN				-30	0.57	0.00031	PASS
					-20	1.30	0.0007	PASS			
					-10	-0.10	-0.00005	PASS			
					0	2.03	0.00109	PASS			
					10	0.20	0.00011	PASS			
					20	0.37	0.0002	PASS			
					30	4.26	0.00229	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-0.90	-0.00048	PASS
					50	3.20	0.00172	PASS
			MCH	VN	-30	-0.94	-0.0005	PASS
					-20	-2.47	-0.00131	PASS
					-10	-2.86	-0.00152	PASS
					0	0.37	0.0002	PASS
					10	-3.25	-0.00173	PASS
					20	0.14	0.00007	PASS
					30	-2.15	-0.00114	PASS
					40	-0.92	-0.00049	PASS
					50	-1.59	-0.00085	PASS
					HCH	VN	-30	1.29
			-20	0.26			0.00014	PASS
			-10	2.96			0.00156	PASS
			0	3.22			0.00169	PASS
			10	4.58			0.00241	PASS
			20	1.53			0.00081	PASS
			30	-0.14			-0.00007	PASS
			40	1.72			0.00091	PASS
			50	2.73	0.00144	PASS		

END