

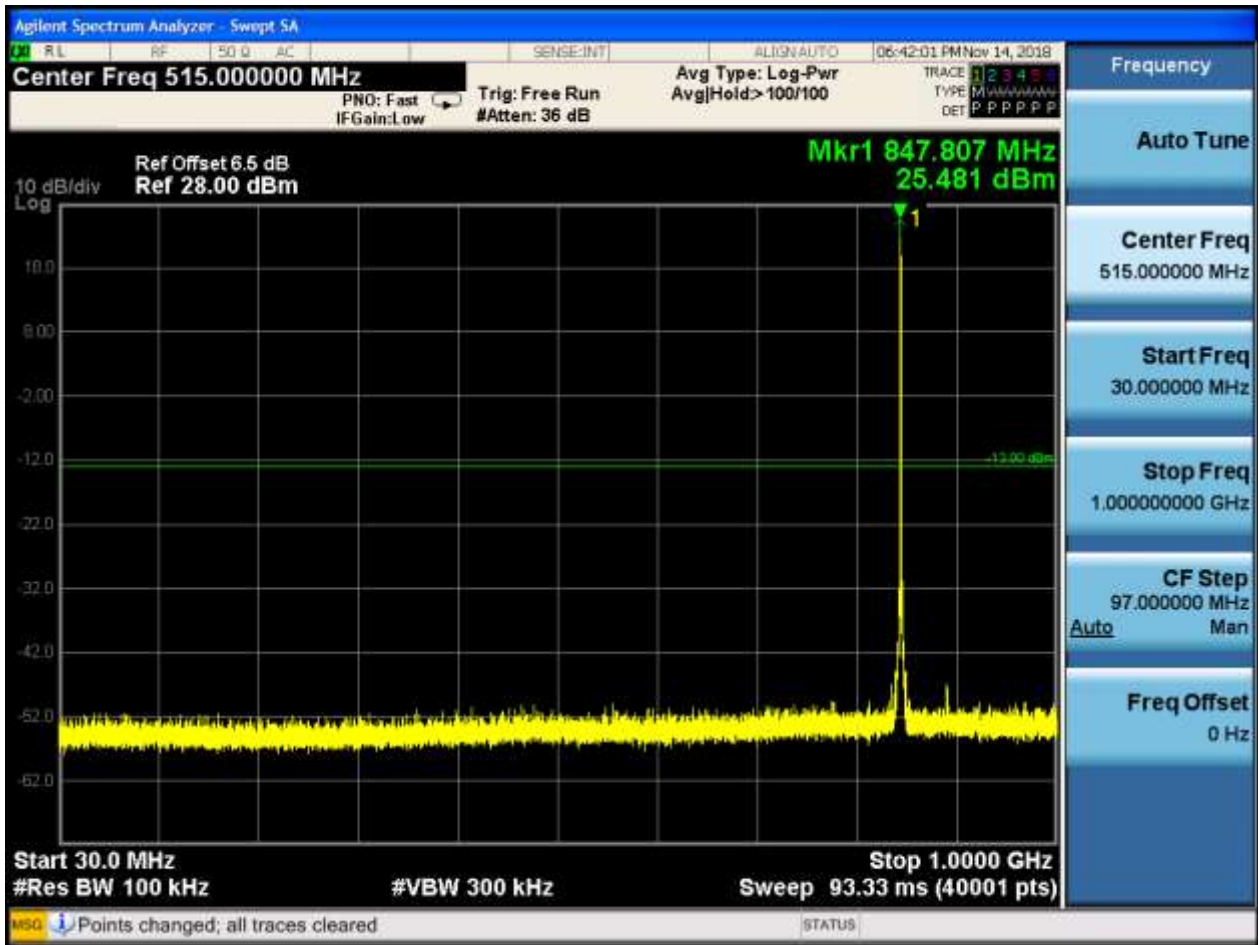


## 6.1.1.1.1.3 Test Channel = HCH

## 6.1.1.1.1.3.1 Test RB = RB1#0





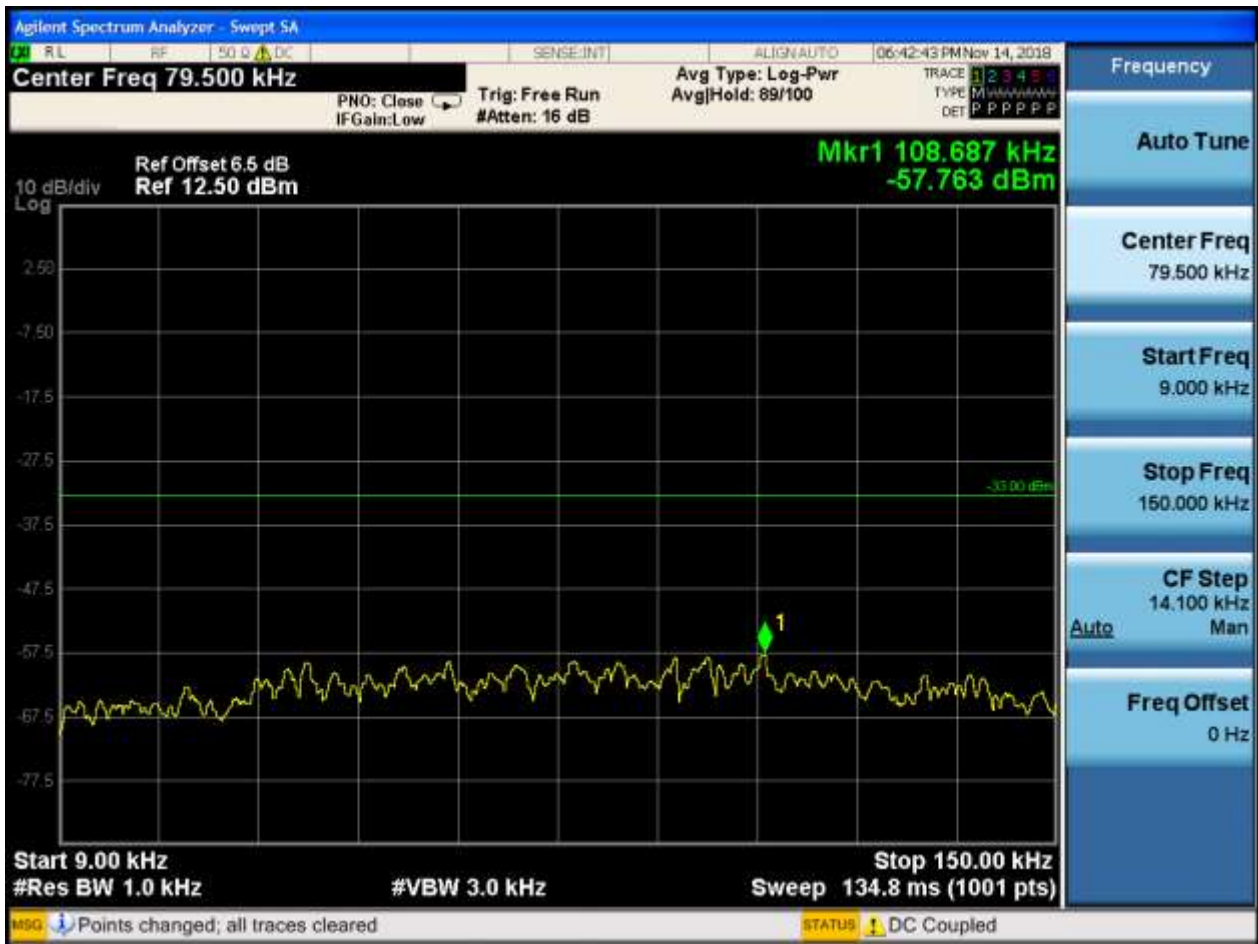




### 6.1.1.1.2 Test Bandwidth = 3

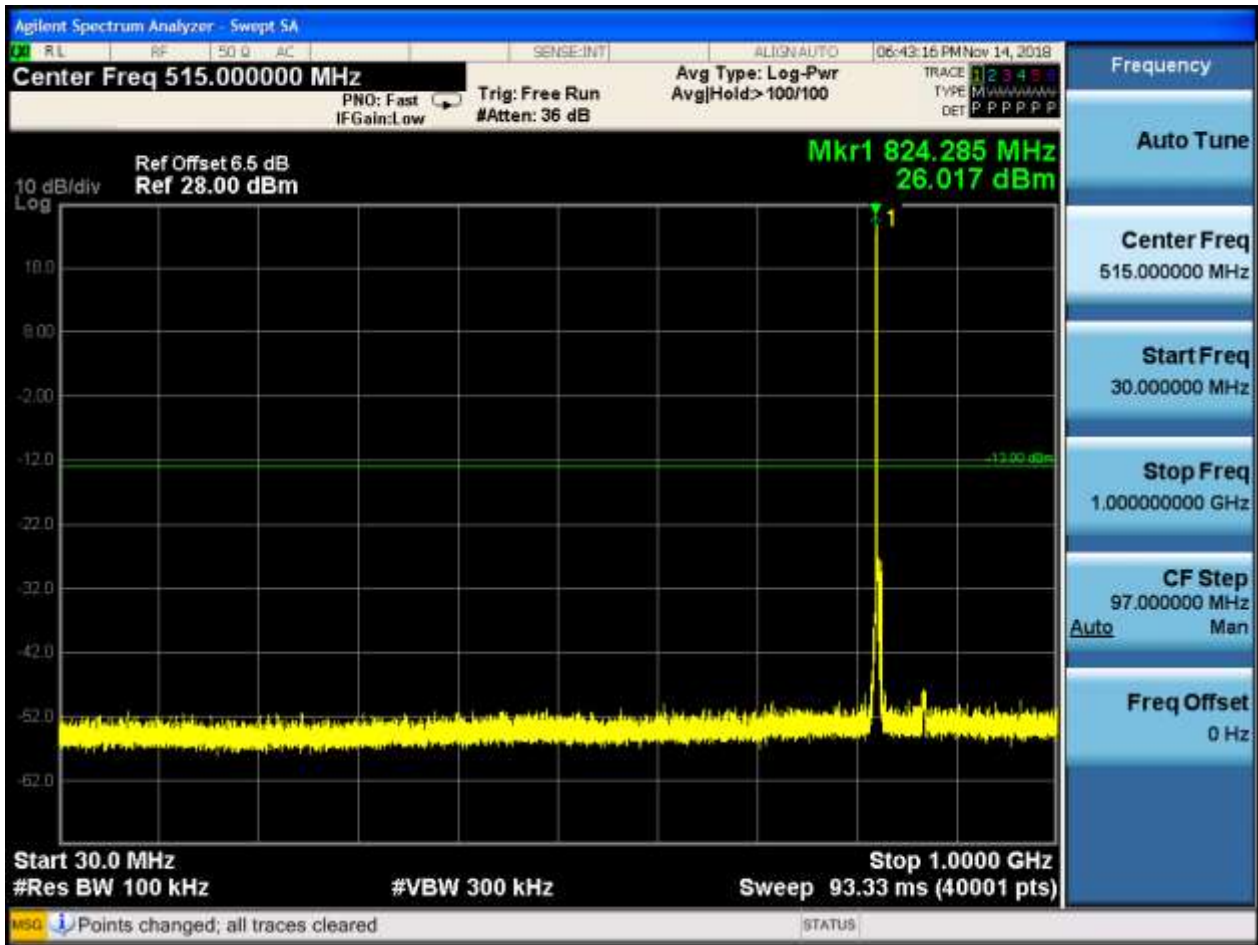
#### 6.1.1.1.2.1 Test Channel = LCH

##### 6.1.1.1.2.1.1 Test RB = RB1#0









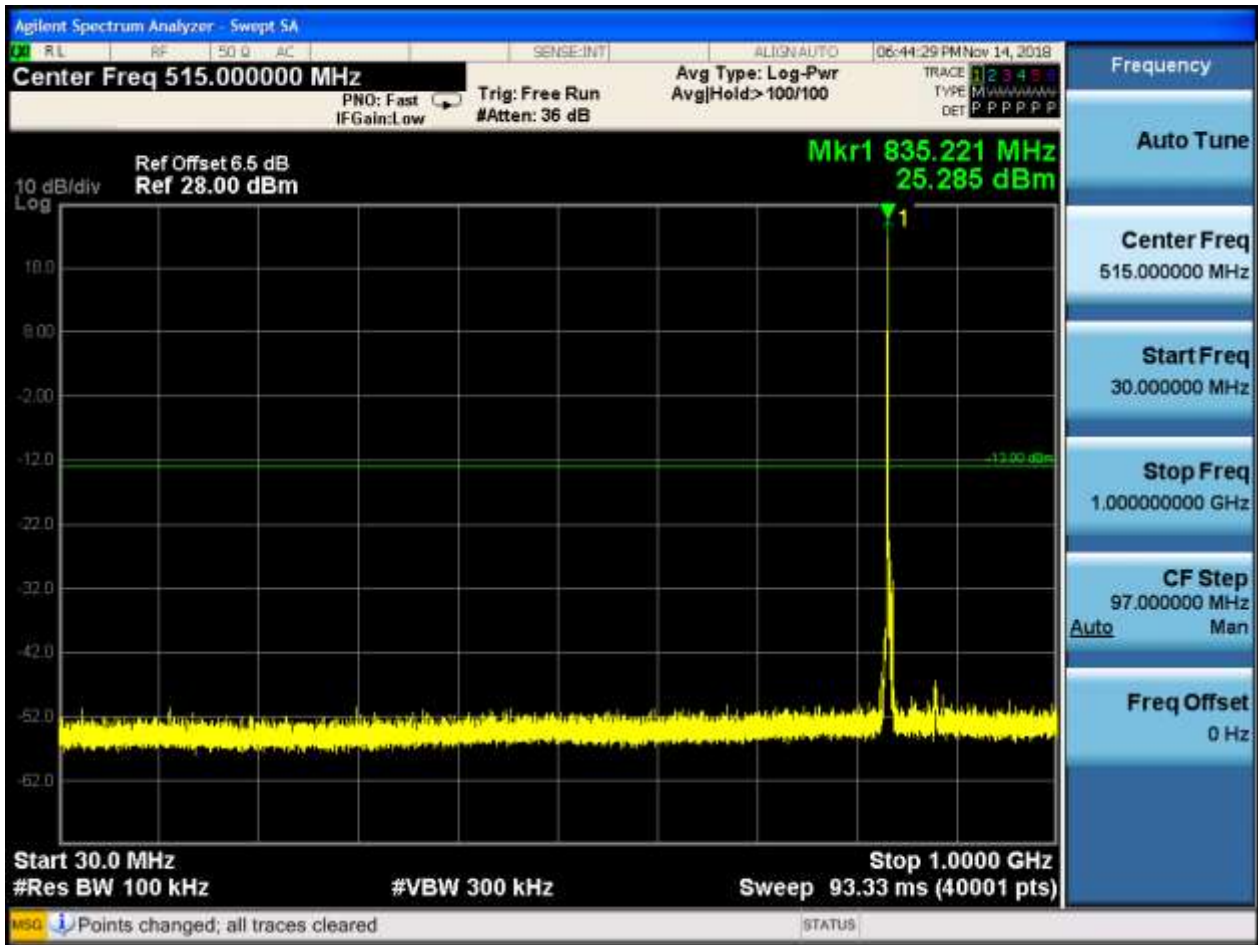


## 6.1.1.1.2.2 Test Channel = MCH

## 6.1.1.1.2.2.1 Test RB = RB1#0









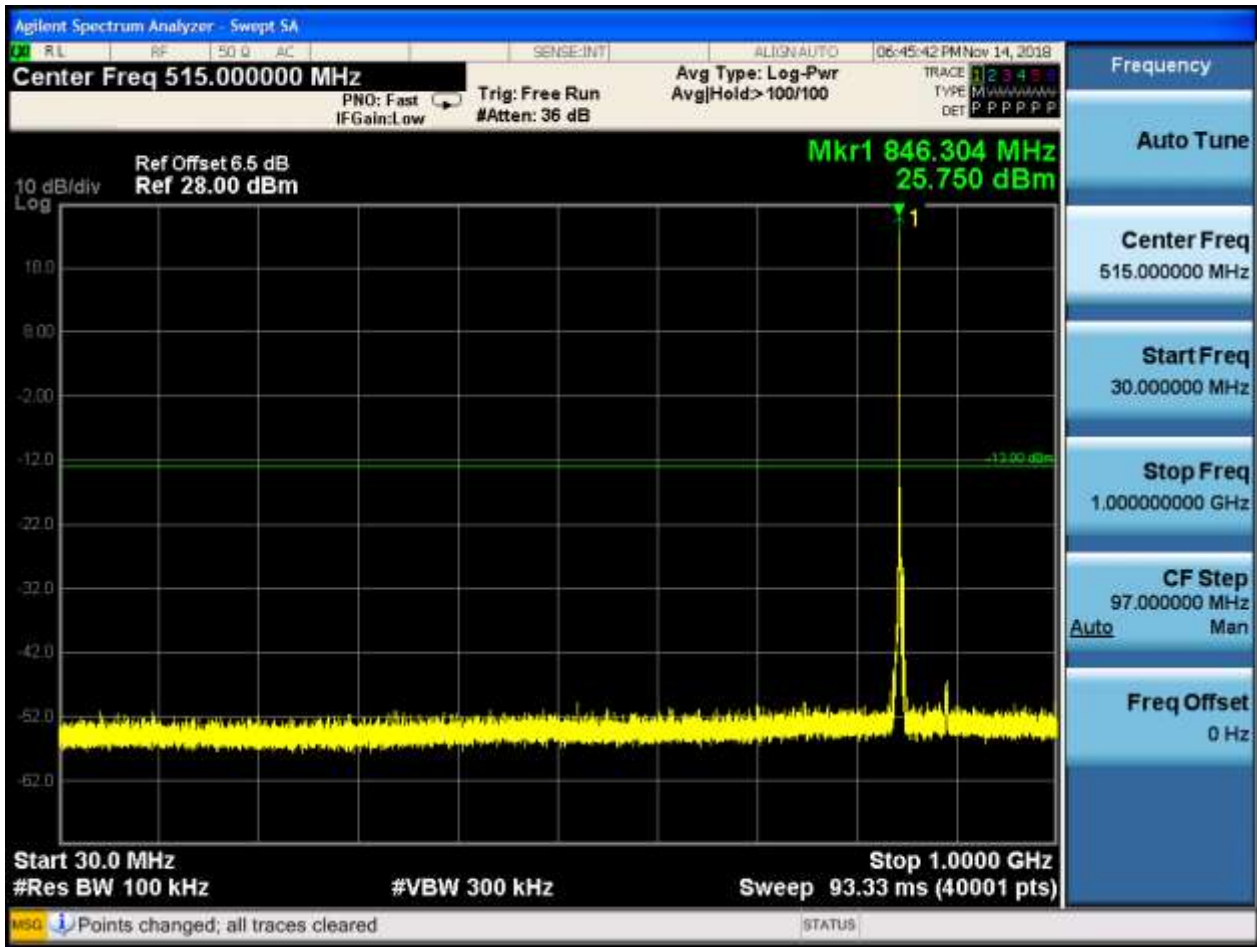
## 6.1.1.1.2.3 Test Channel = HCH

## 6.1.1.1.2.3.1 Test RB = RB1#0











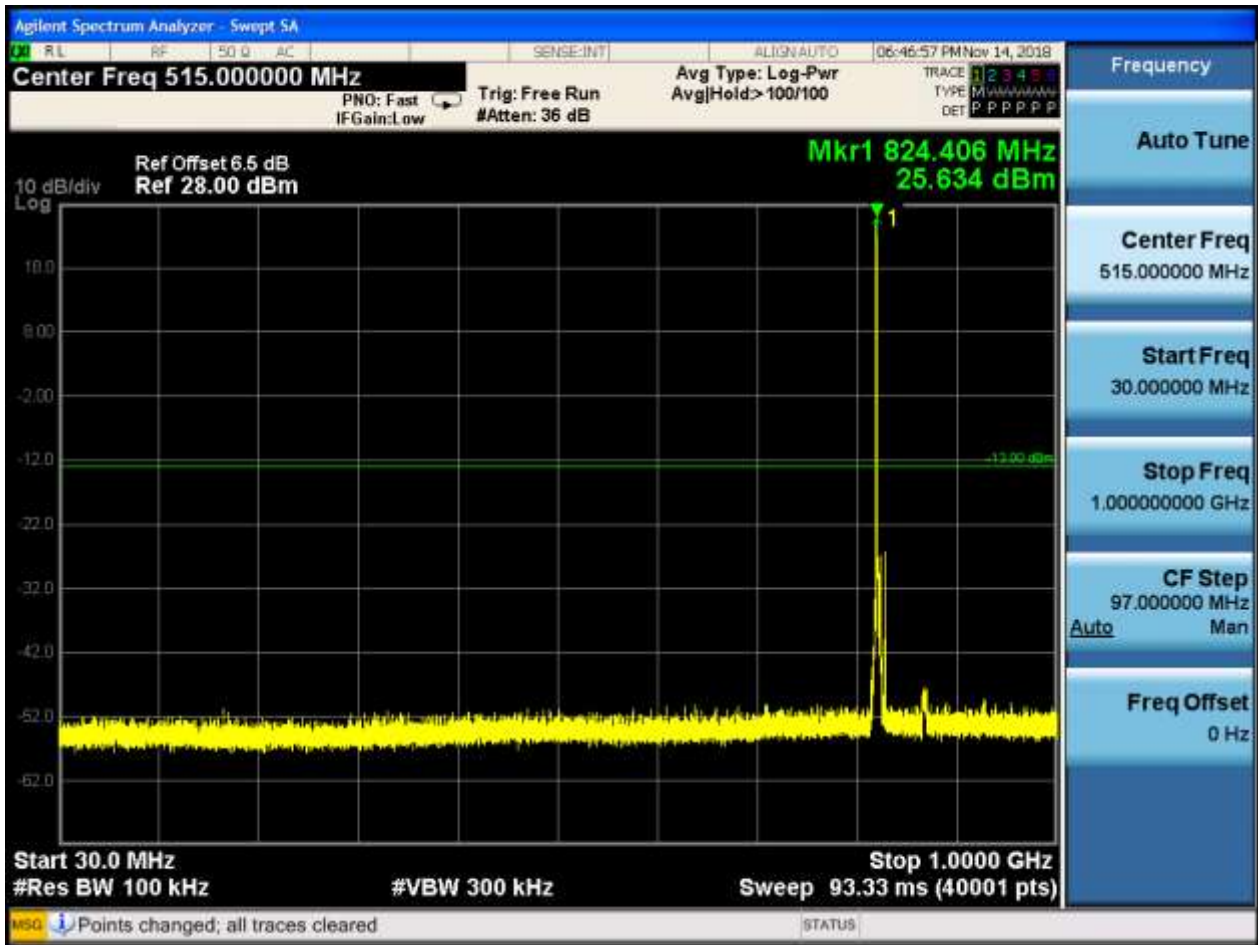
6.1.1.1.3 Test Bandwidth = 5

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0









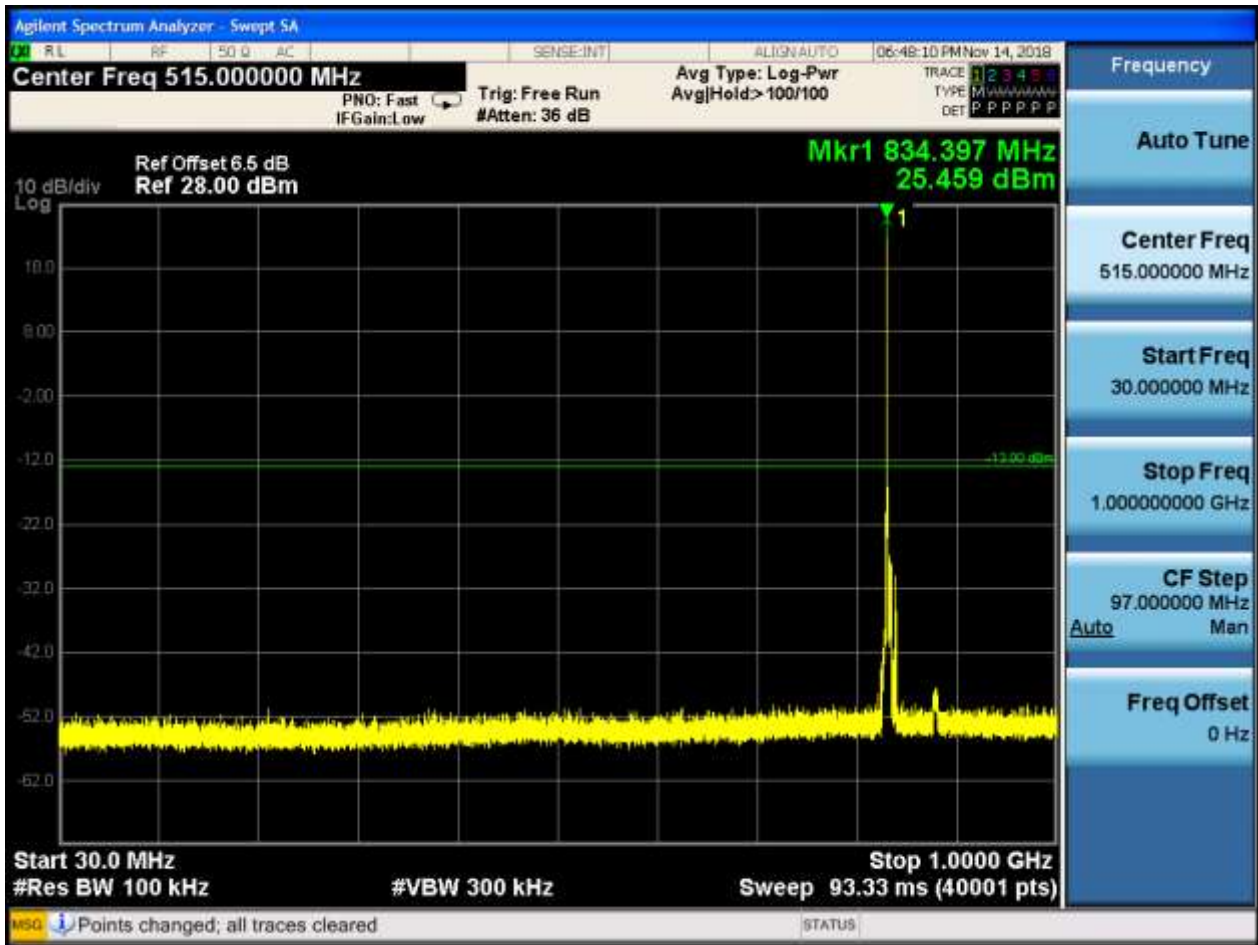
## 6.1.1.1.3.2 Test Channel = MCH

## 6.1.1.1.3.2.1 Test RB = RB1#0





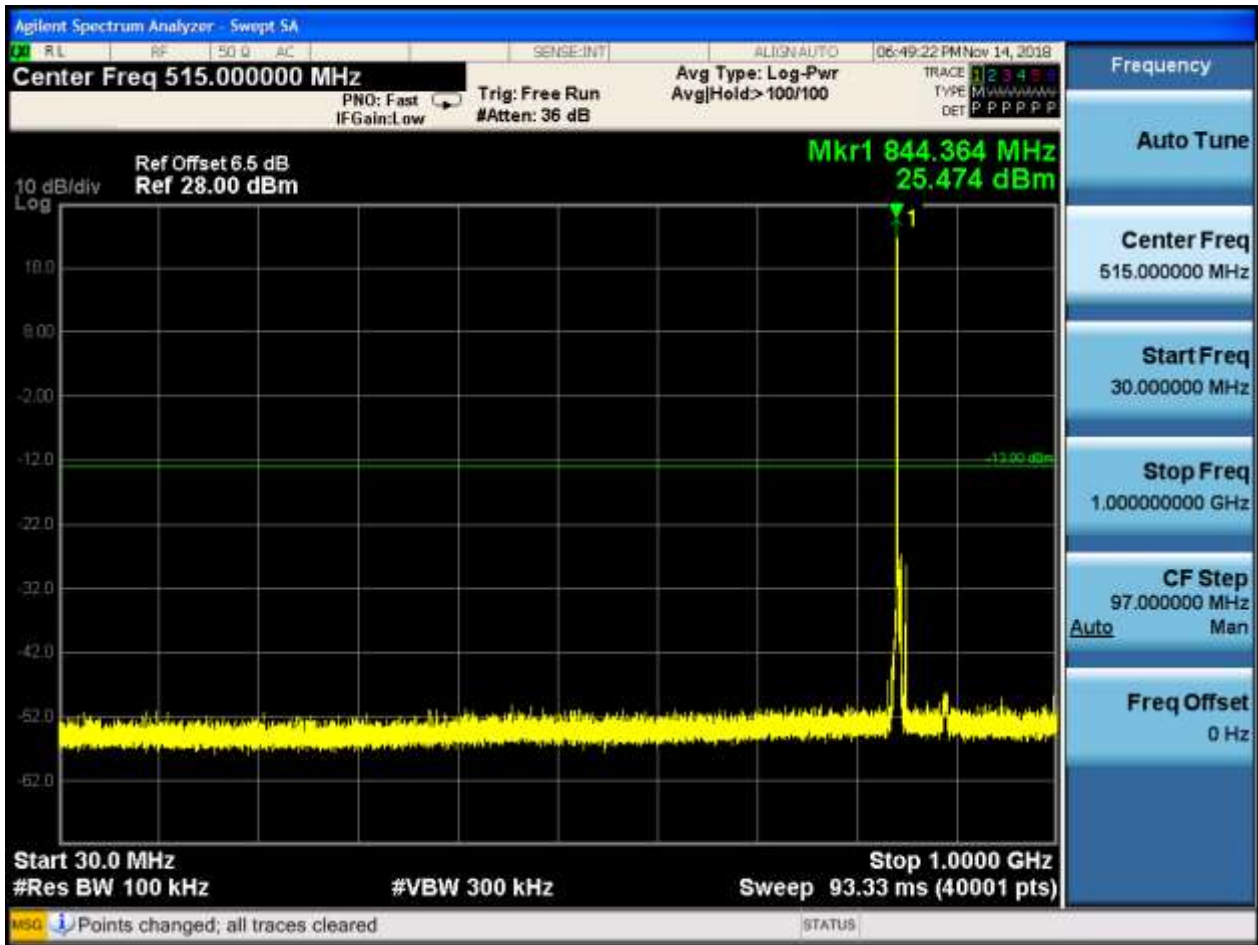














#### 6.1.1.1.4 Test Bandwidth = 10

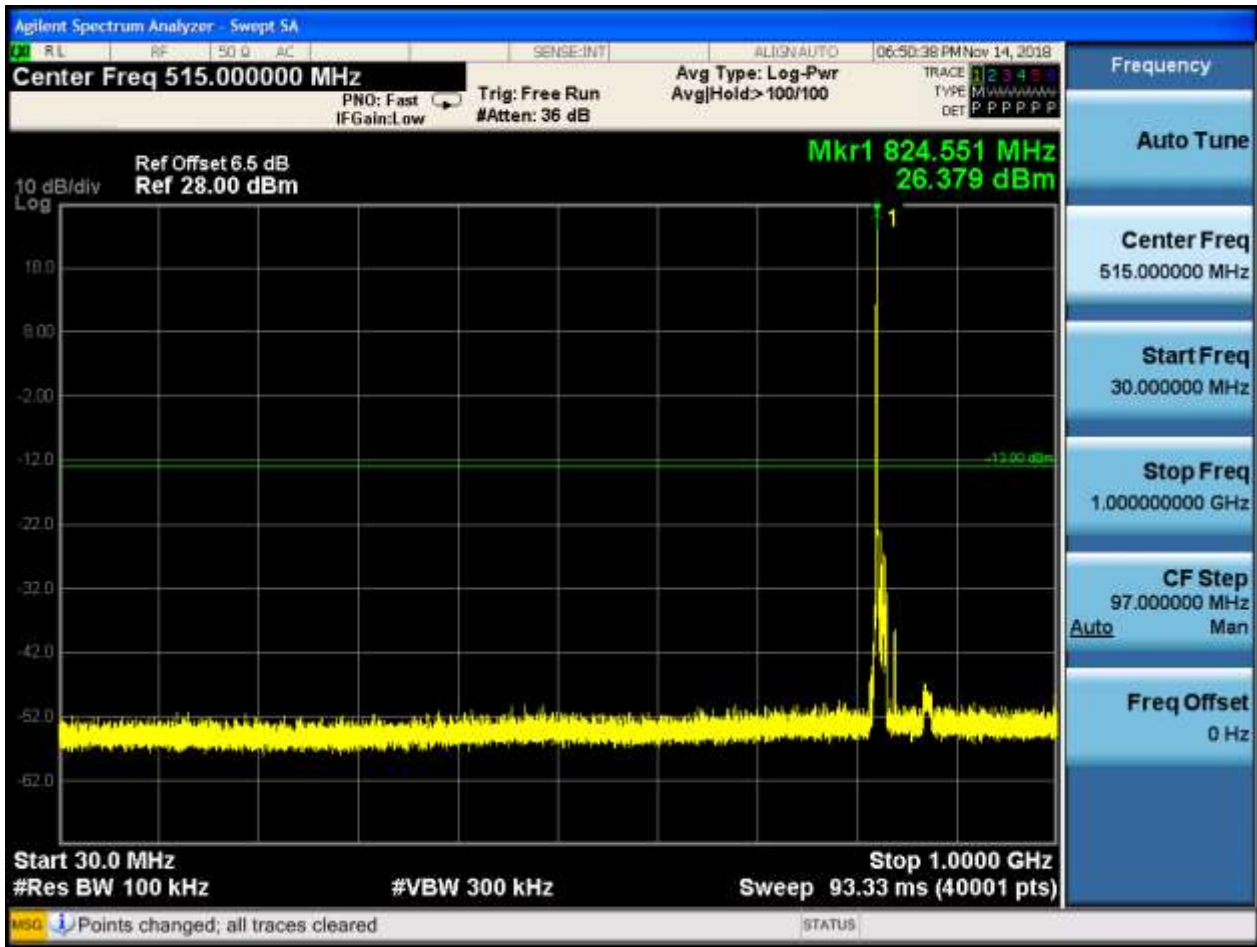
##### 6.1.1.1.4.1 Test Channel = LCH

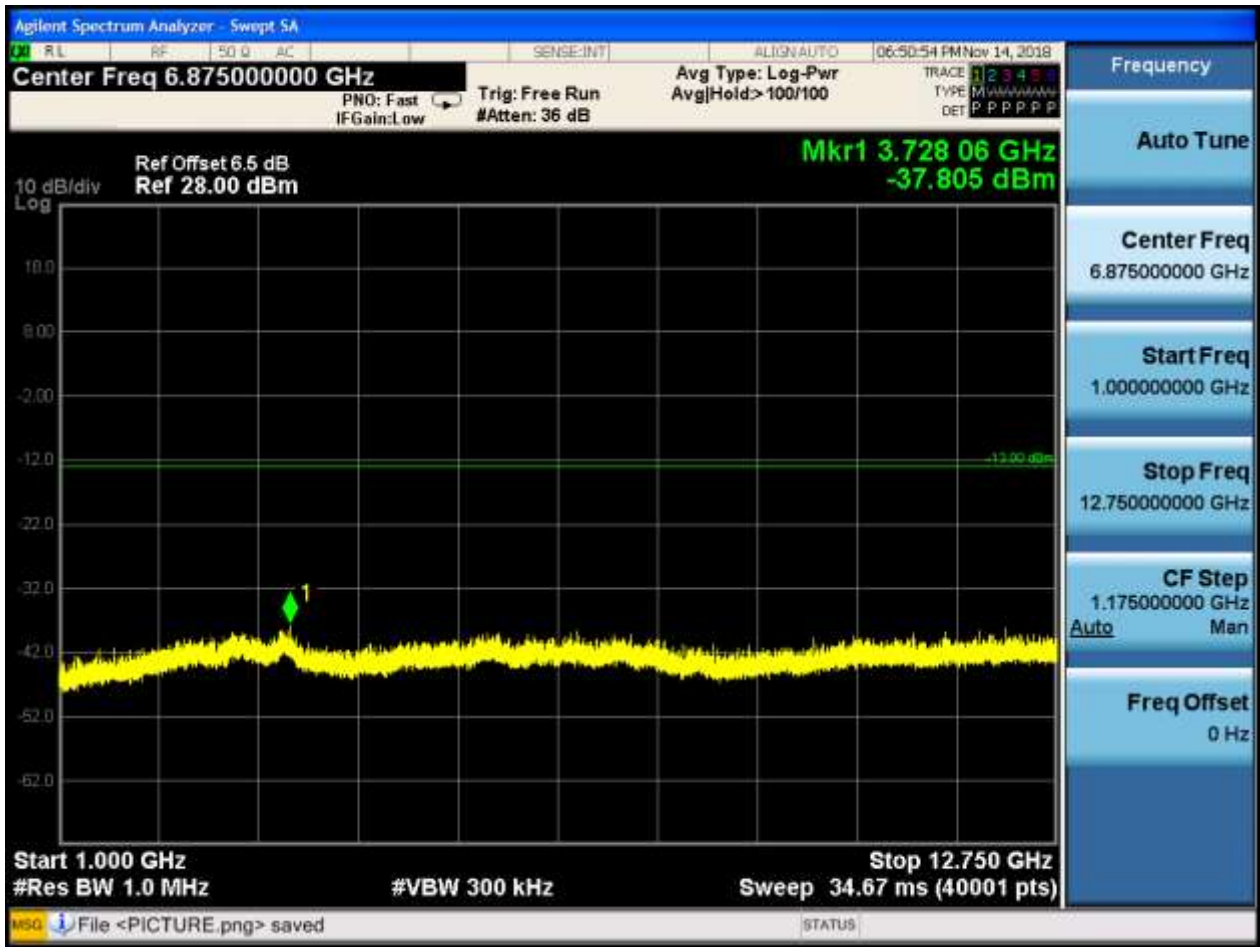
##### 6.1.1.1.4.1.1 Test RB = RB1#0









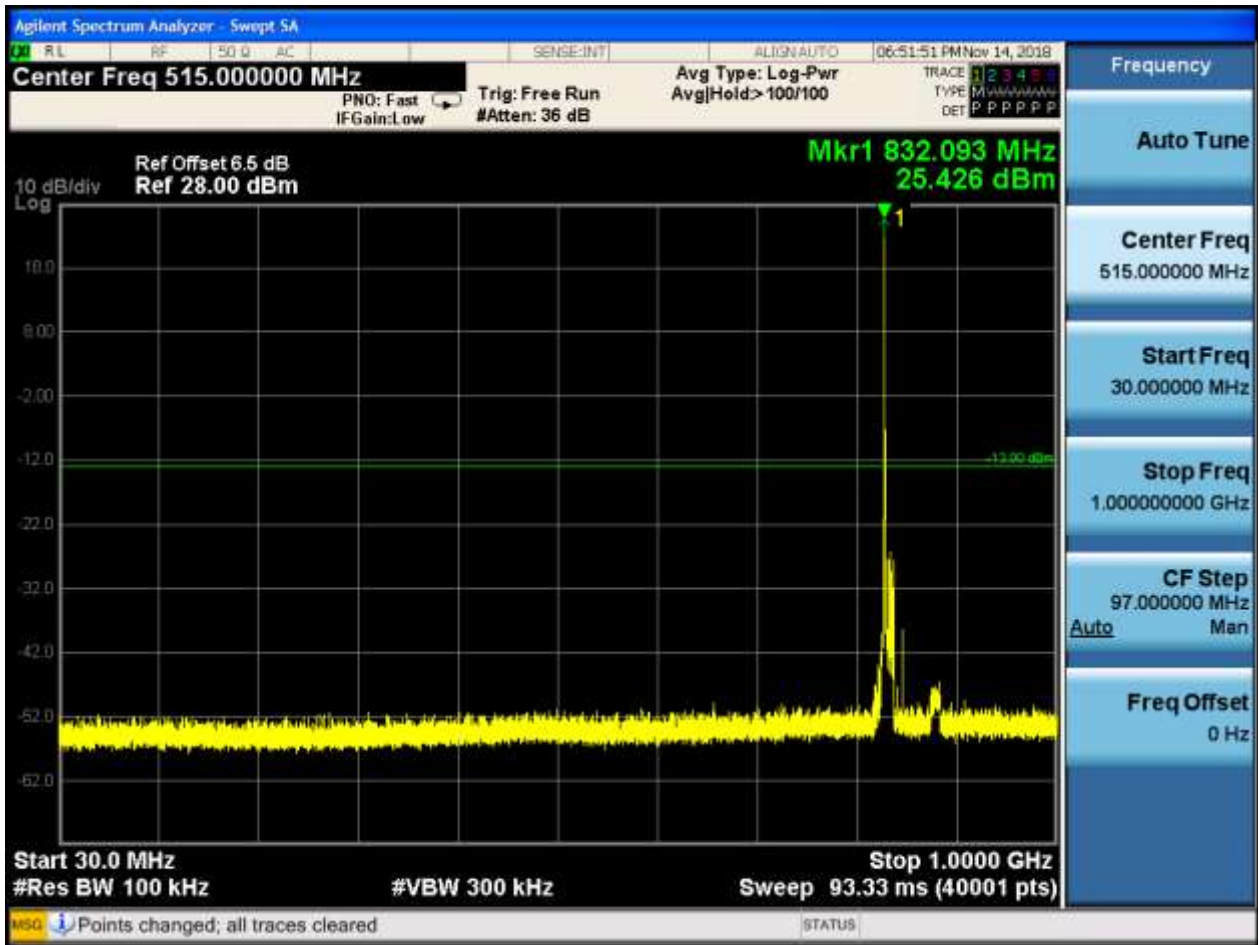


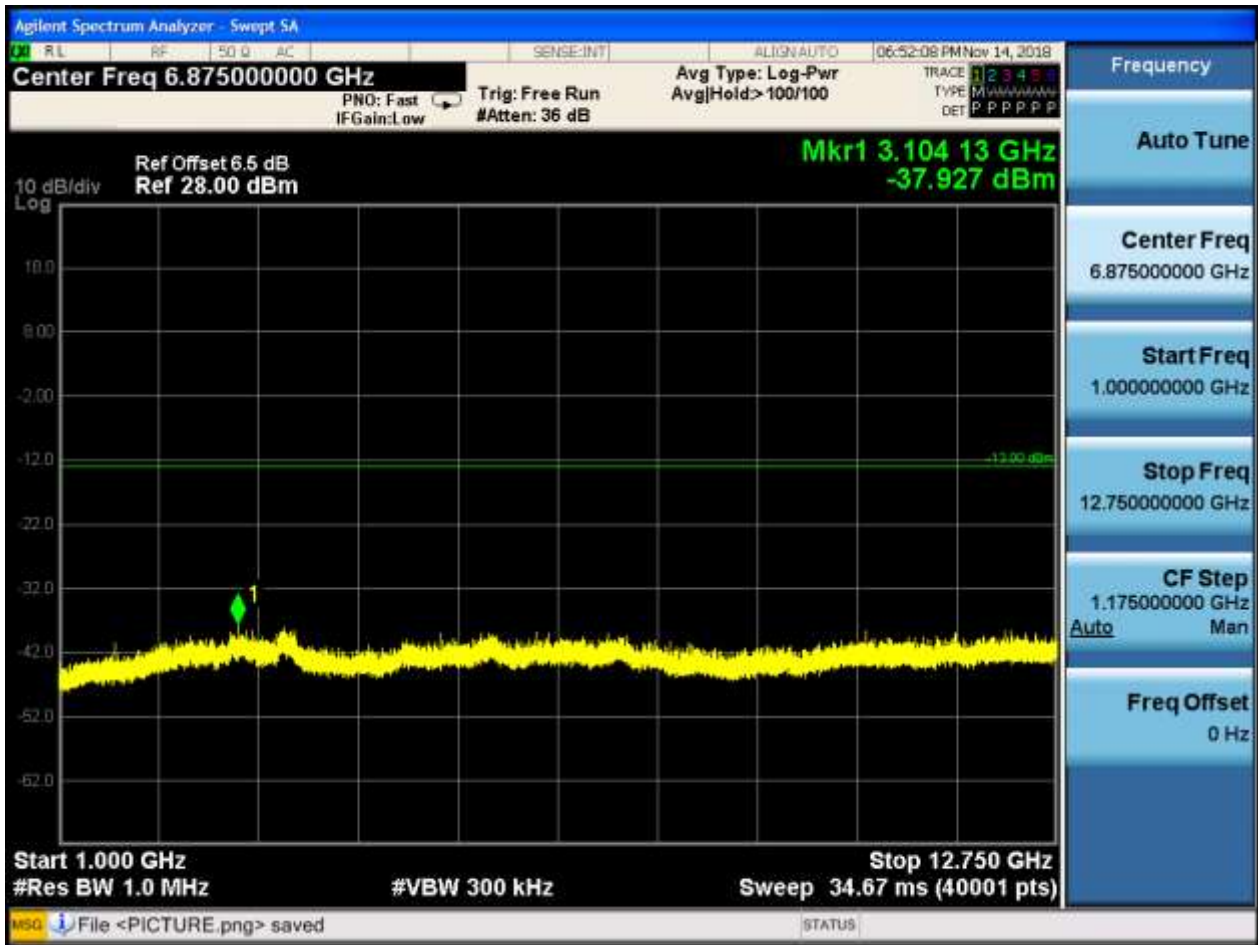
## 6.1.1.1.4.2 Test Channel = MCH

## 6.1.1.1.4.2.1 Test RB = RB1#0









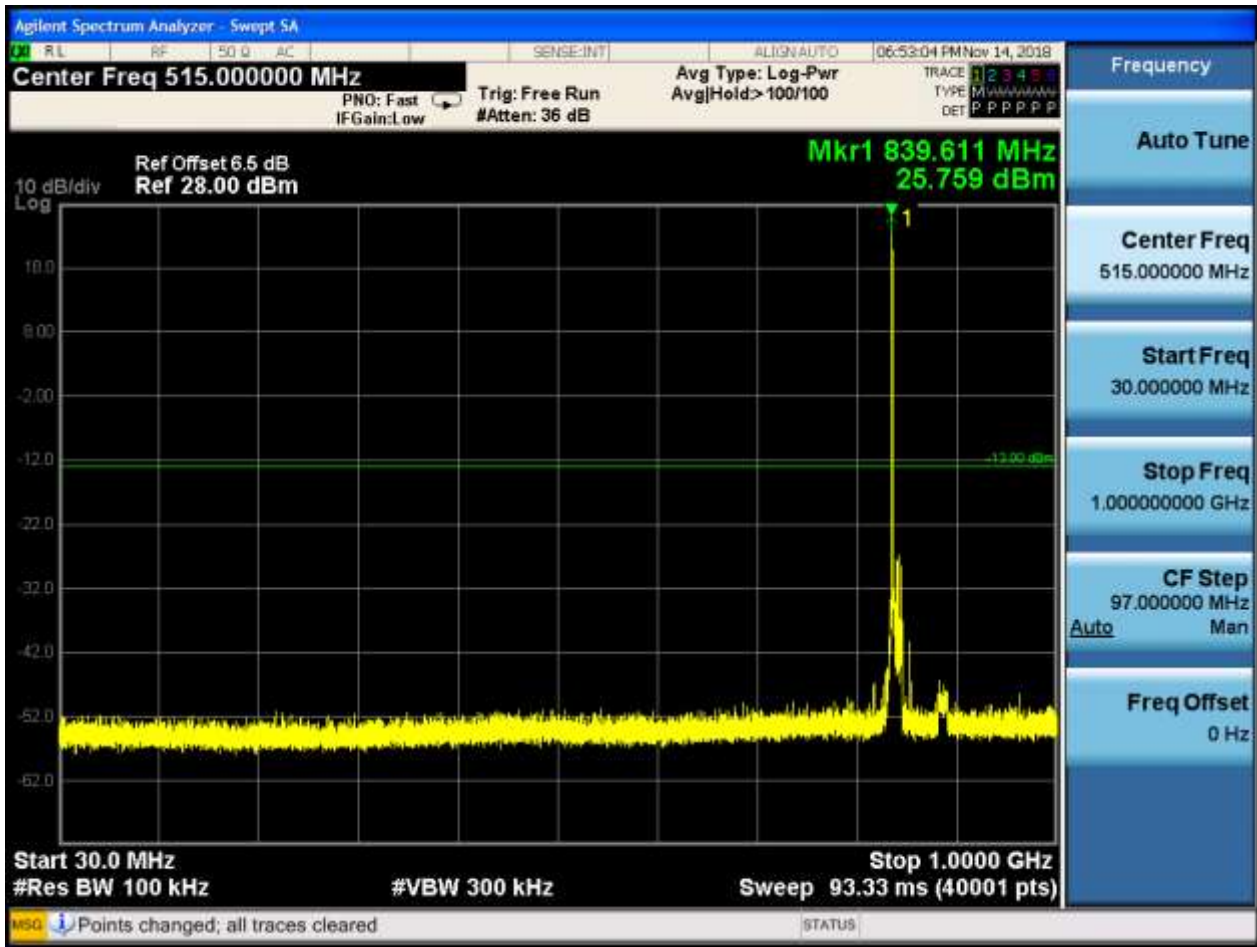
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









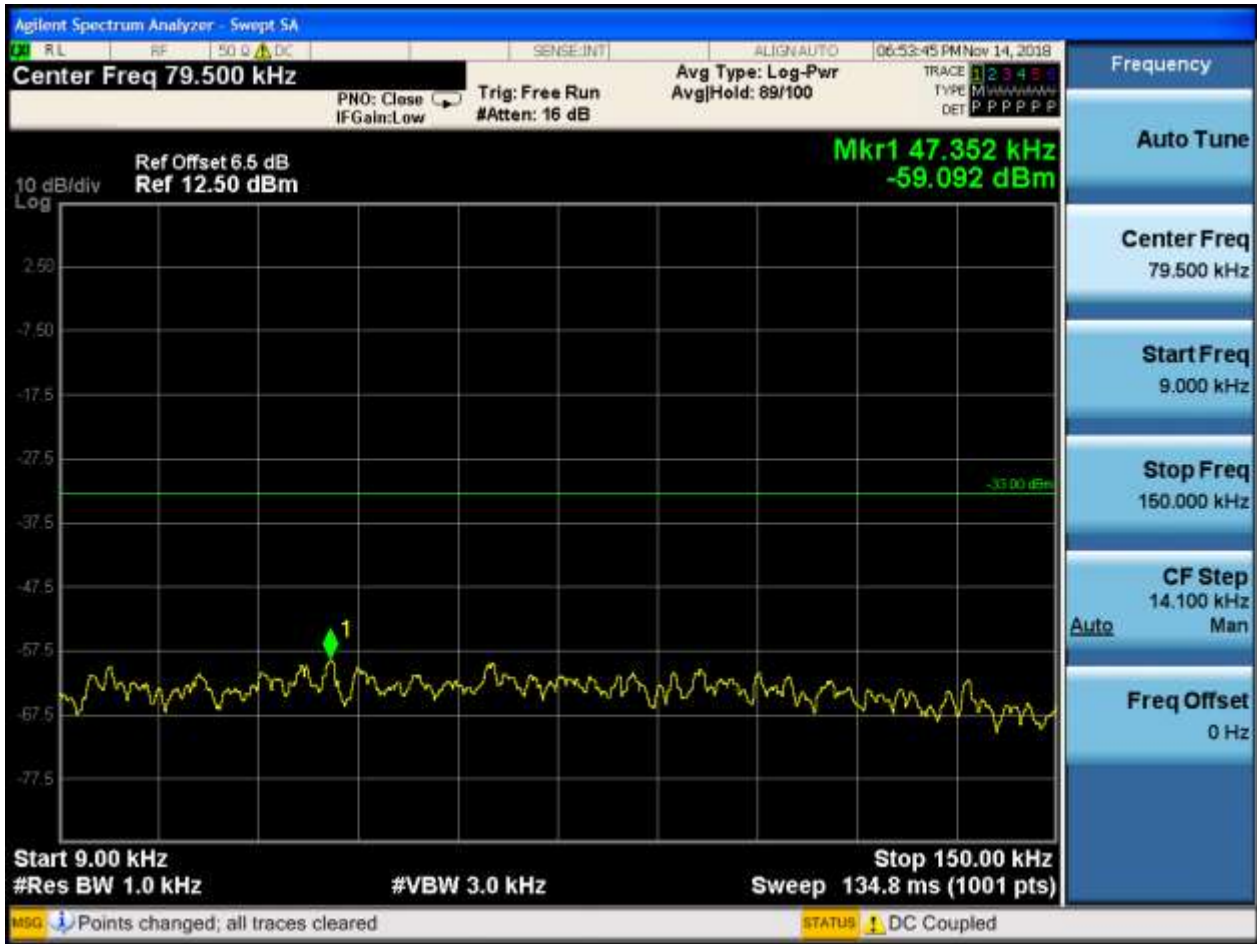


6.1.1.2 Test Mode = LTE/TM2

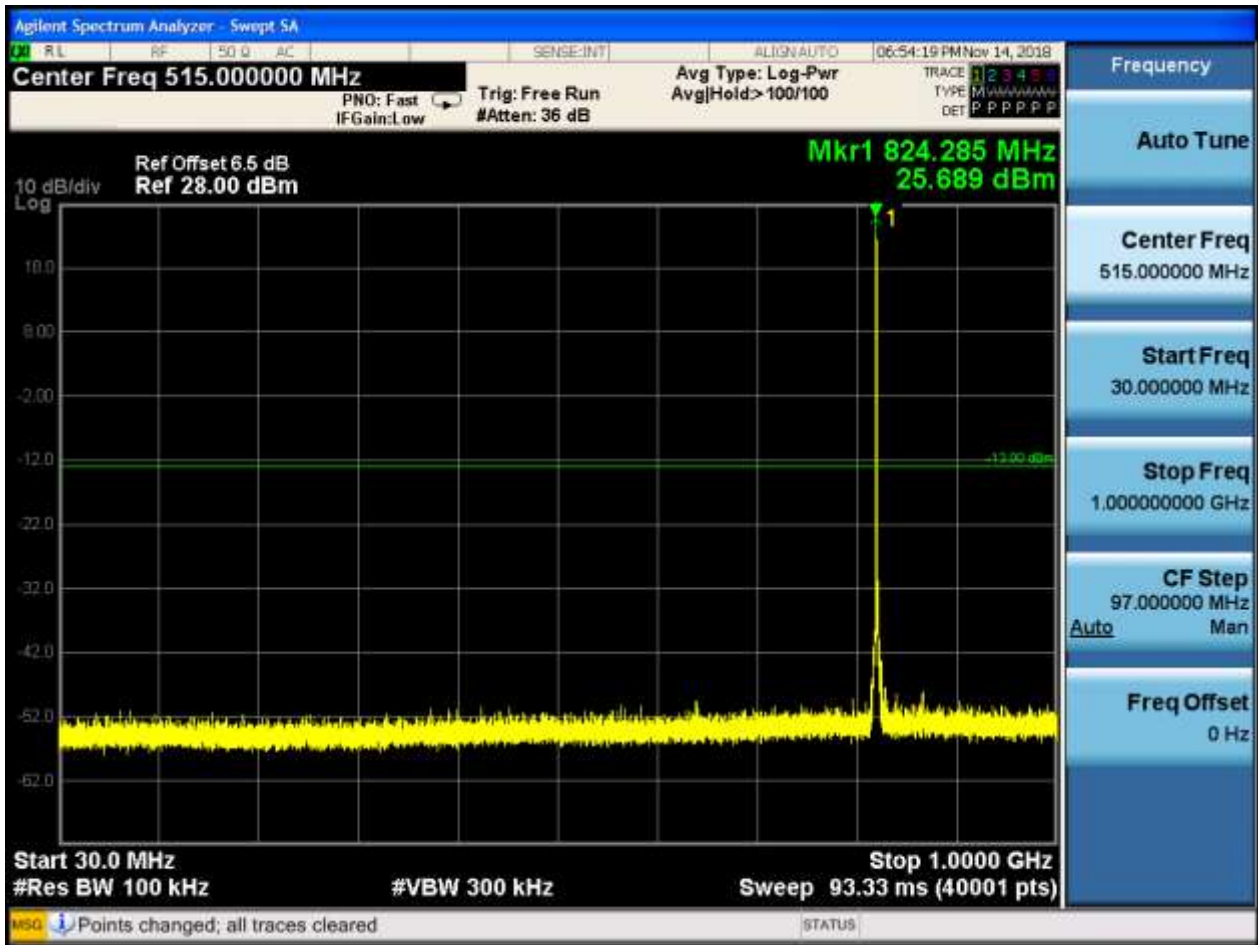
6.1.1.2.1 Test Bandwidth = 1.4

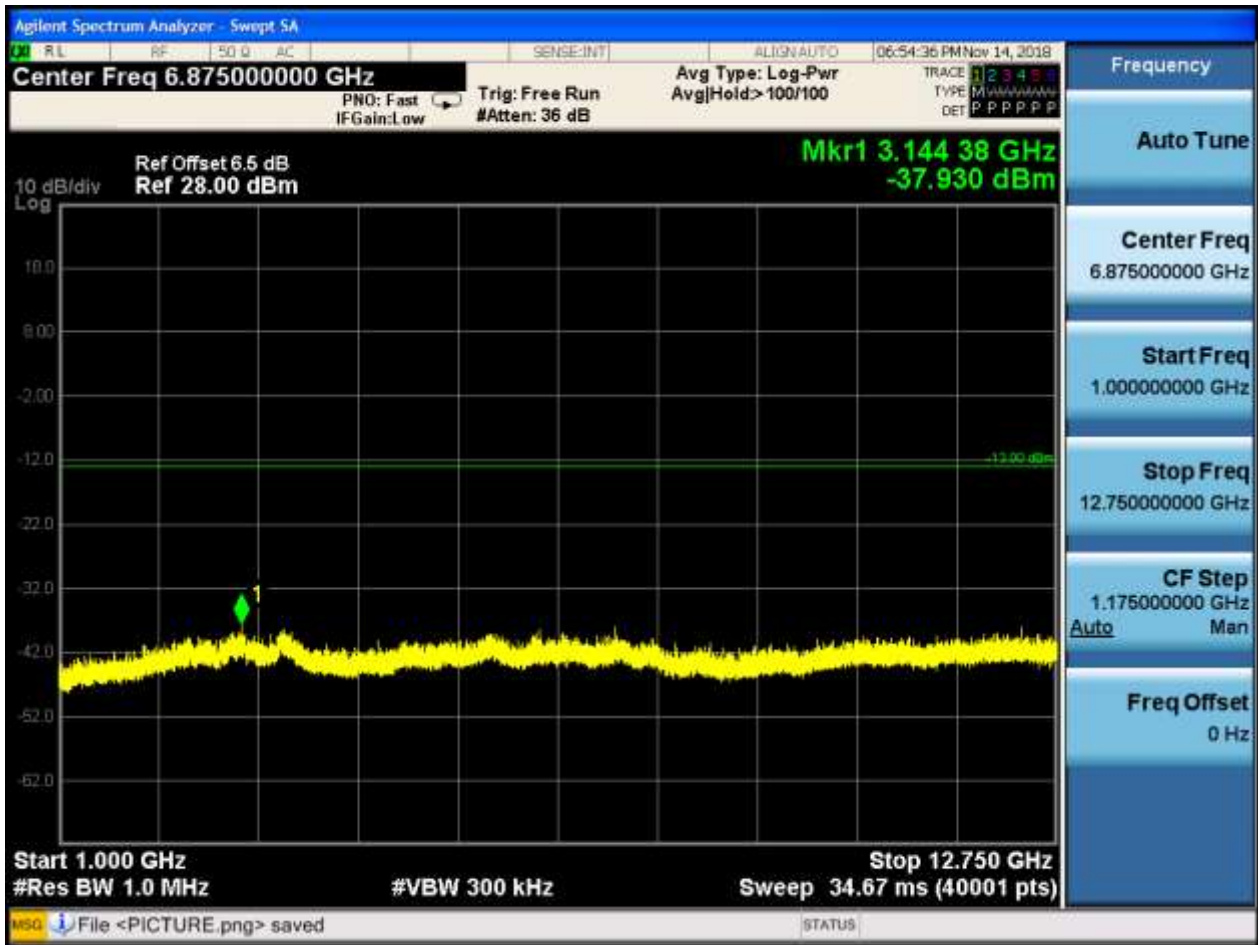
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0









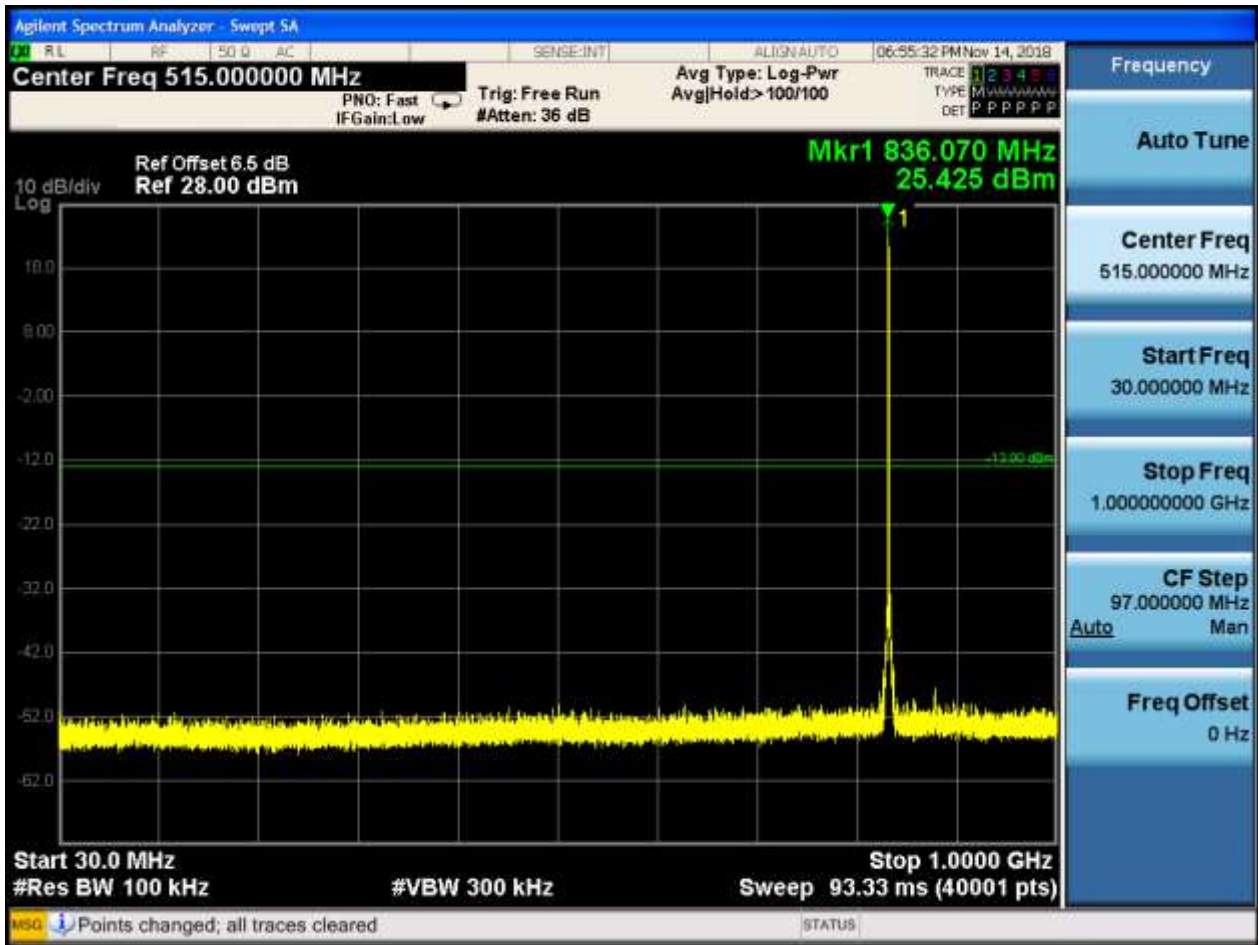
## 6.1.1.2.1.2 Test Channel = MCH

## 6.1.1.2.1.2.1 Test RB = RB1#0







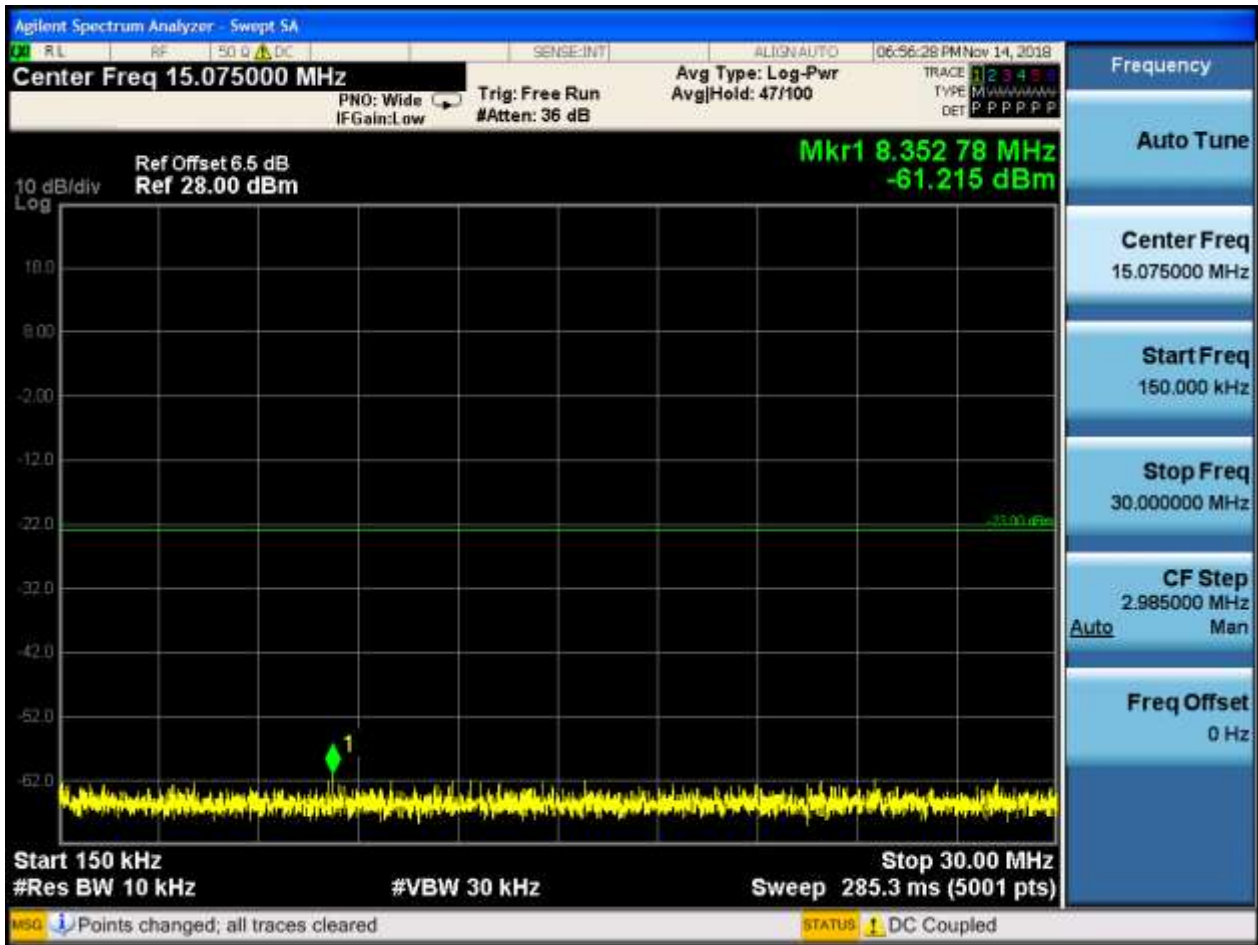


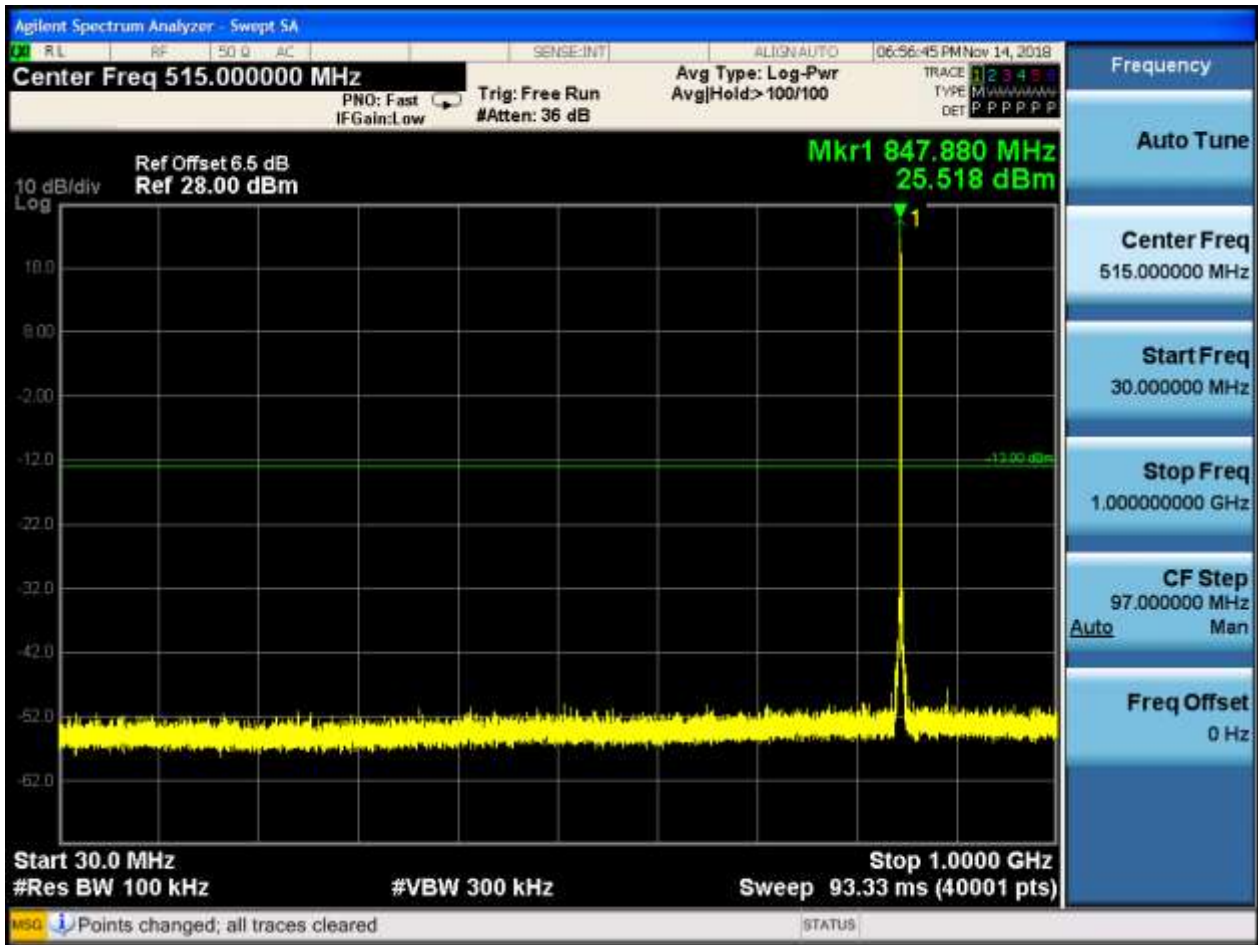


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0









### 6.1.1.2.2 Test Bandwidth = 3

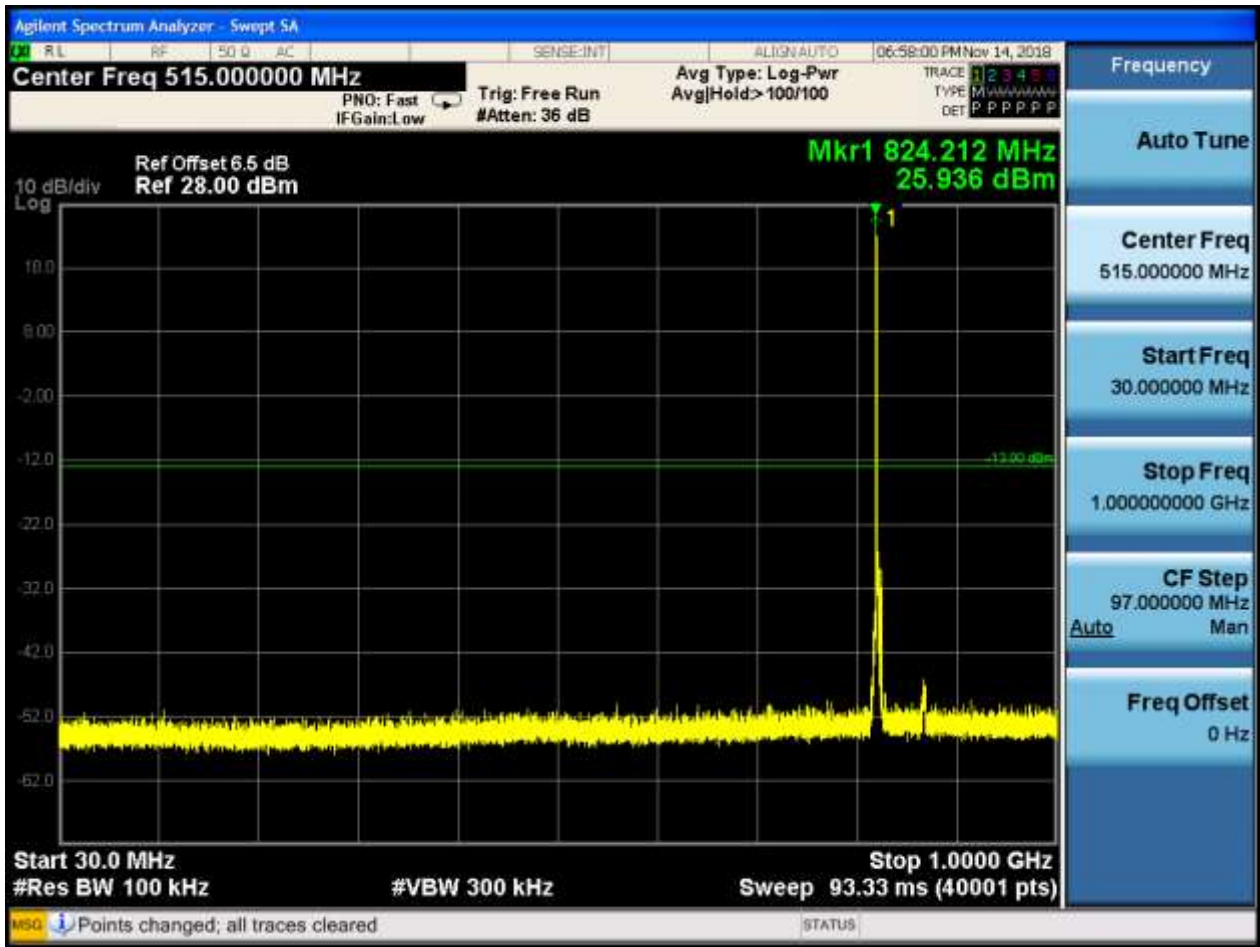
#### 6.1.1.2.2.1 Test Channel = LCH

##### 6.1.1.2.2.1.1 Test RB = RB1#0









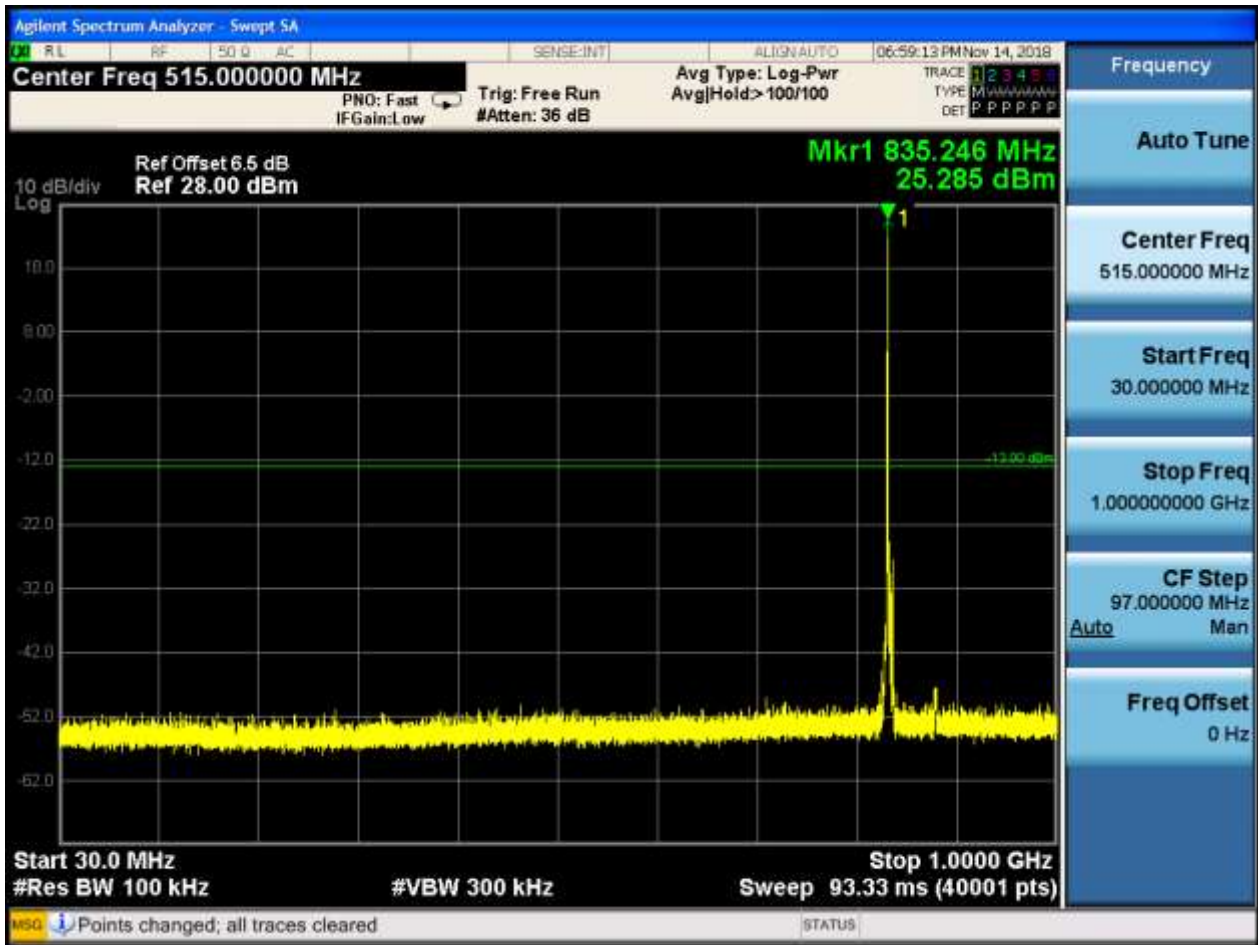


## 6.1.1.2.2.2 Test Channel = MCH

## 6.1.1.2.2.2.1 Test RB = RB1#0









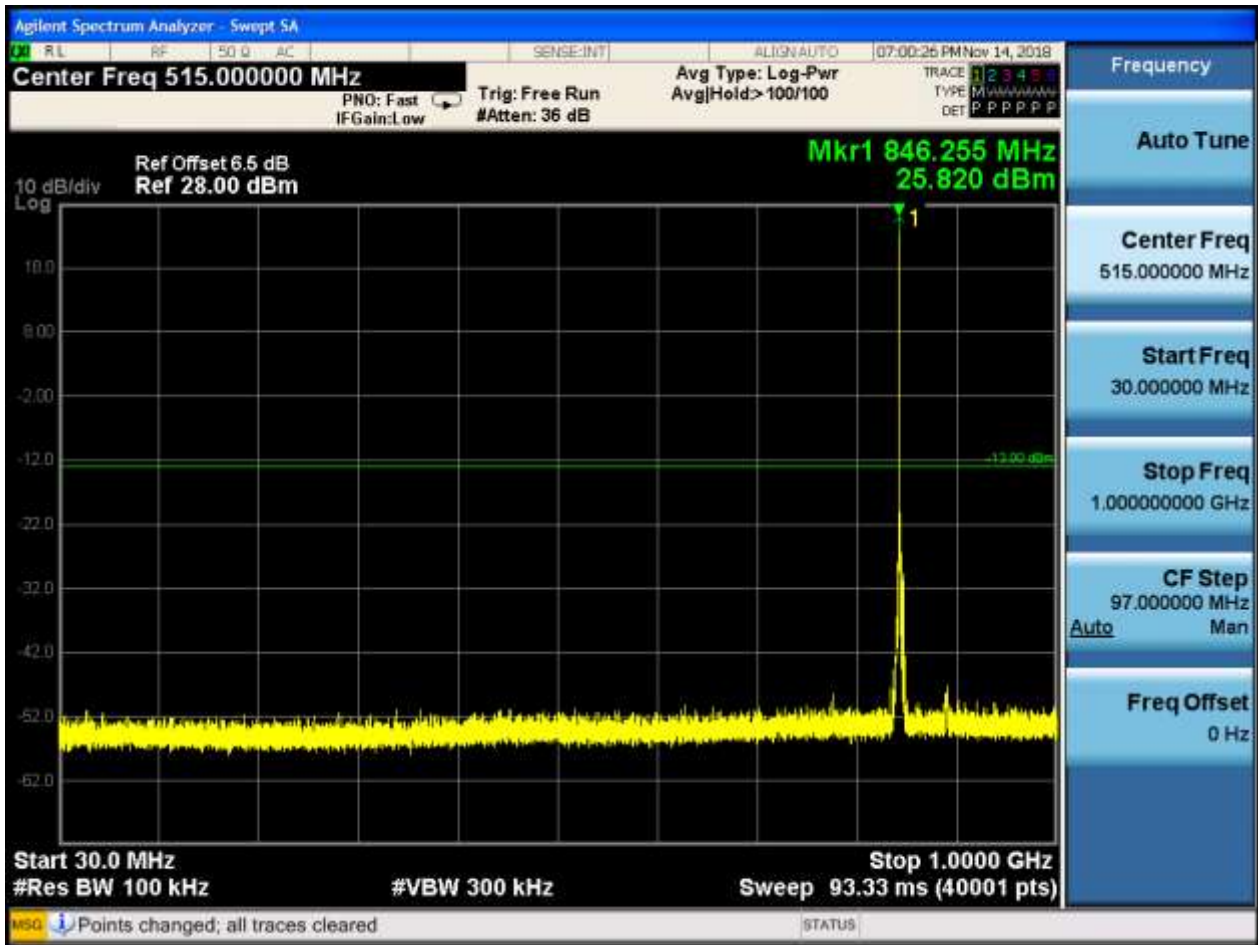
## 6.1.1.2.2.3 Test Channel = HCH

## 6.1.1.2.2.3.1 Test RB = RB1#0







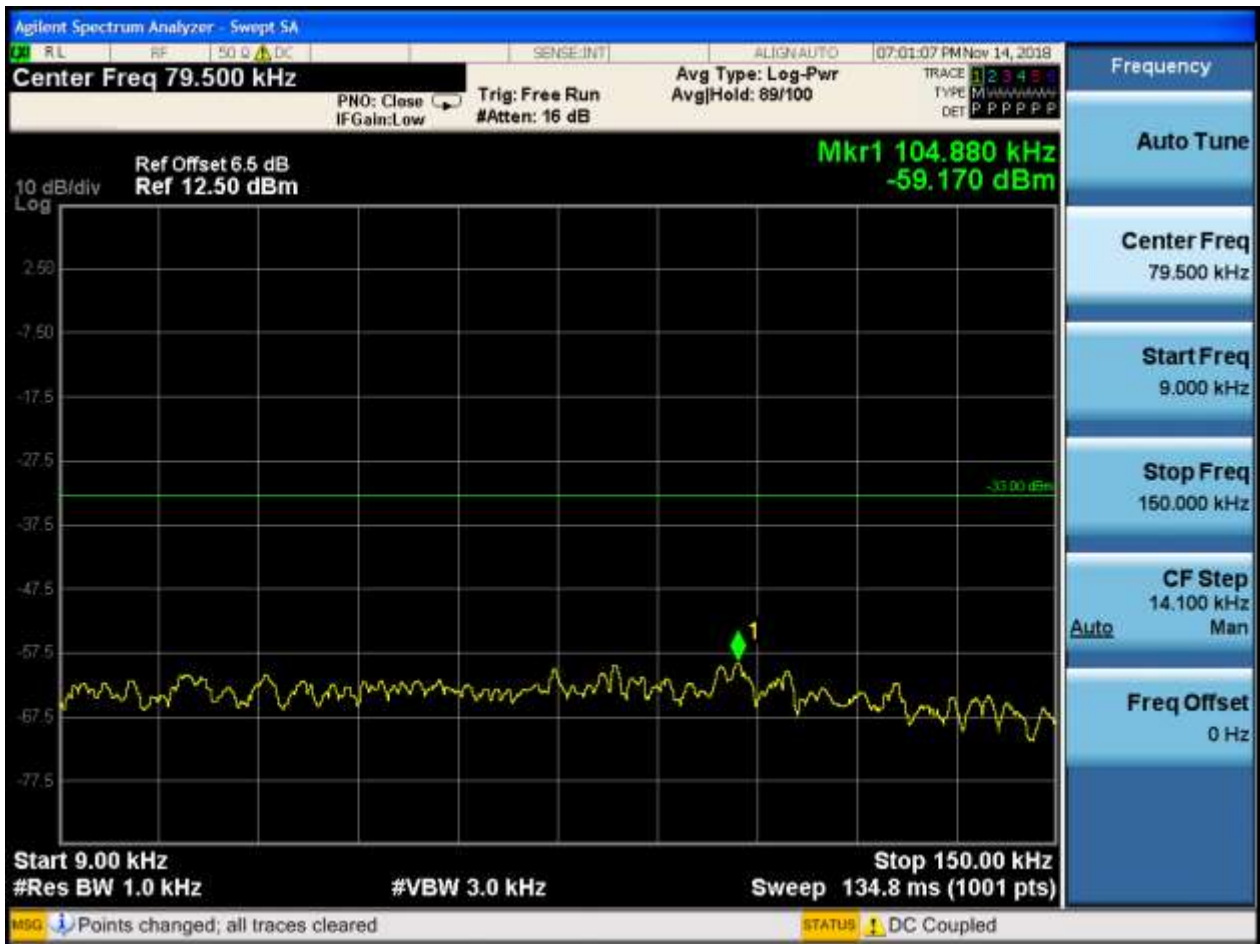




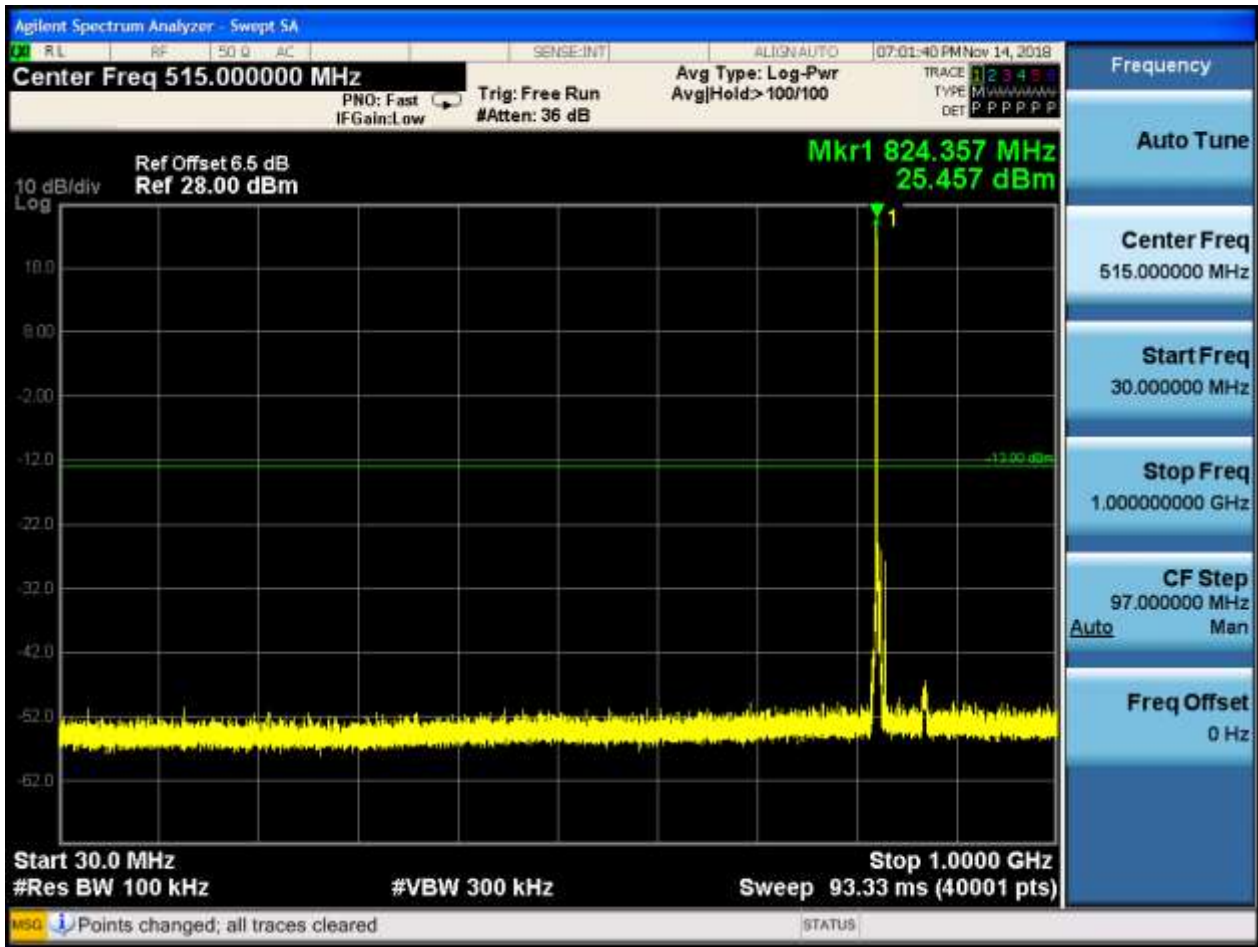
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



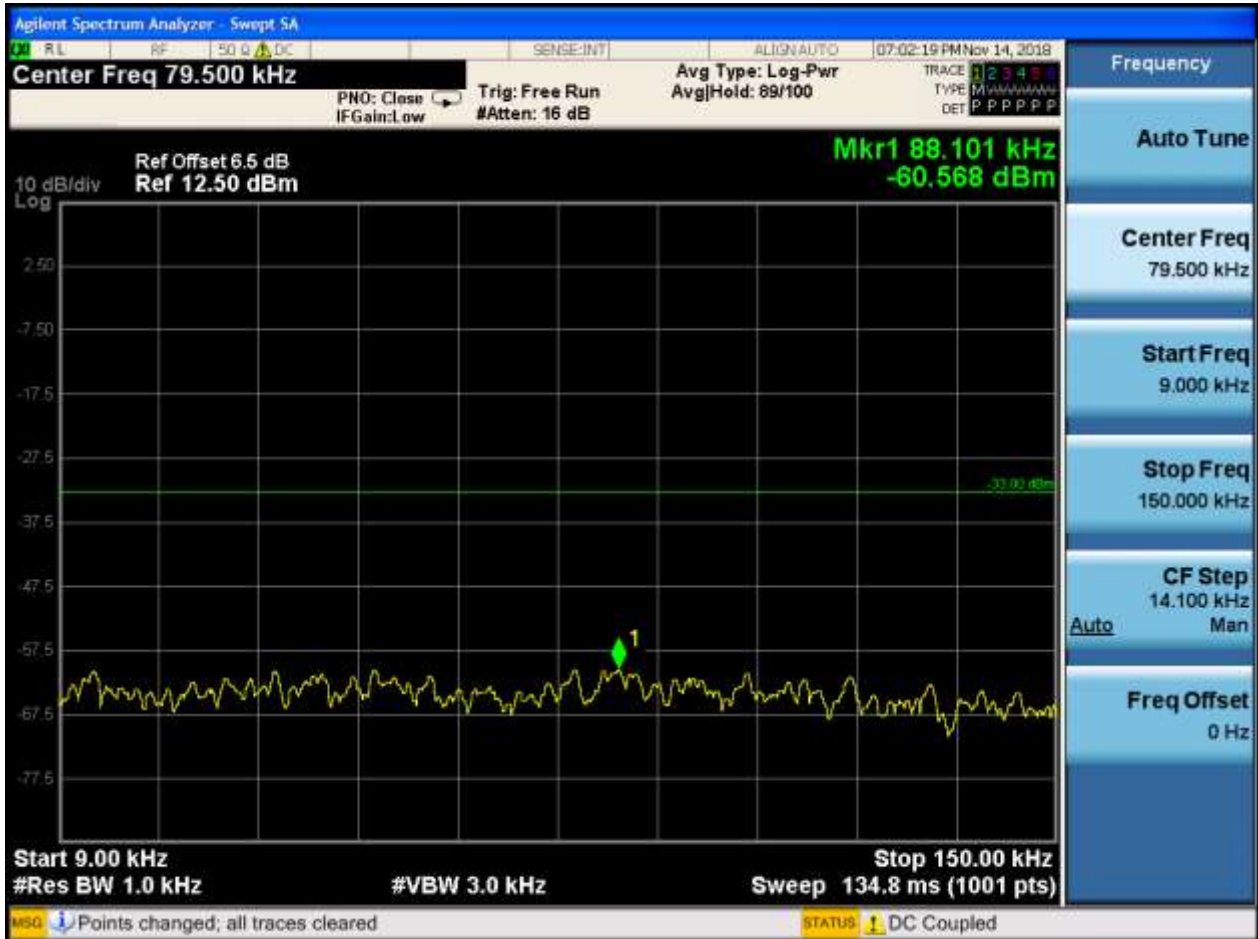






## 6.1.1.2.3.2 Test Channel = MCH

## 6.1.1.2.3.2.1 Test RB = RB1#0









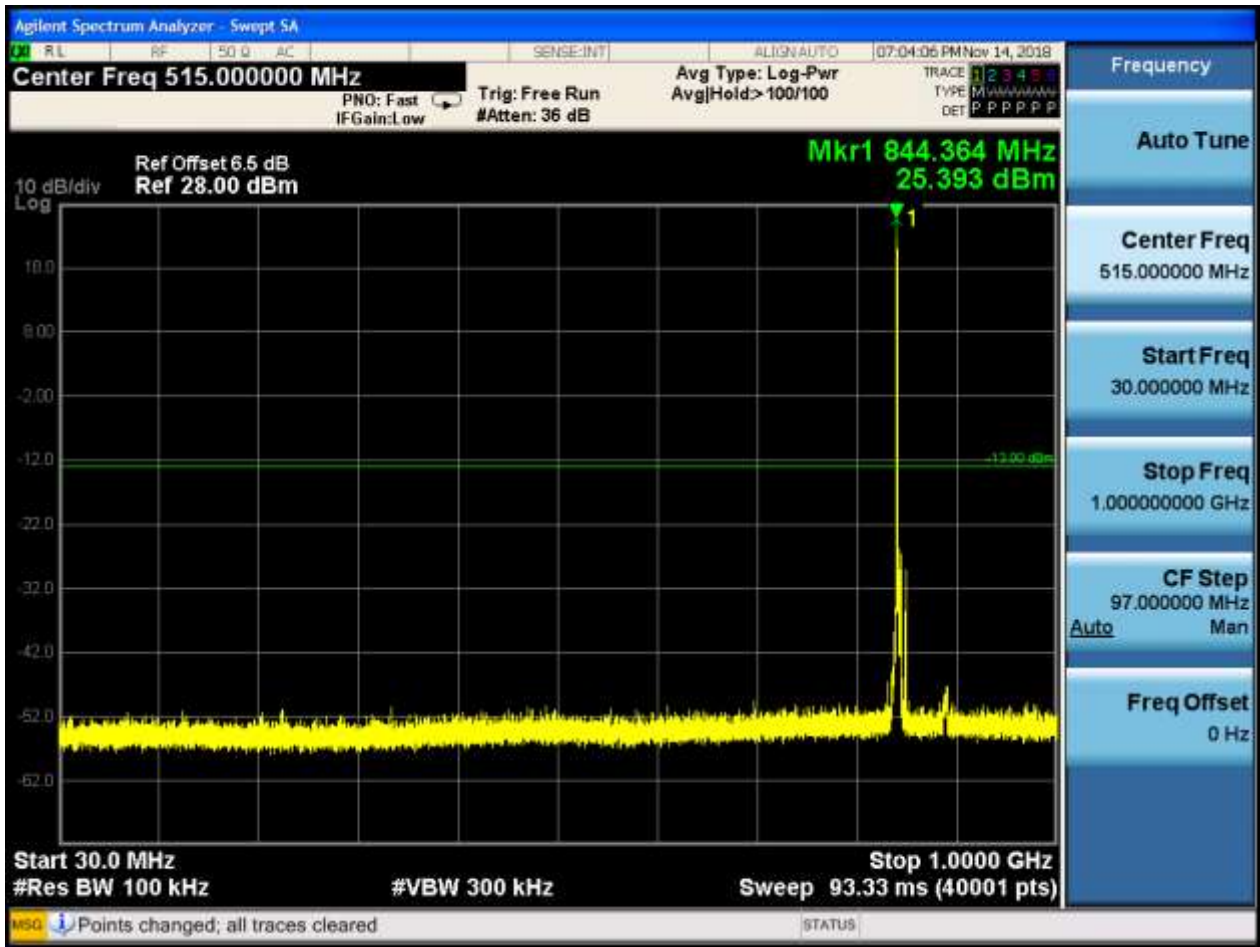


## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0









### 6.1.1.2.4 Test Bandwidth = 10

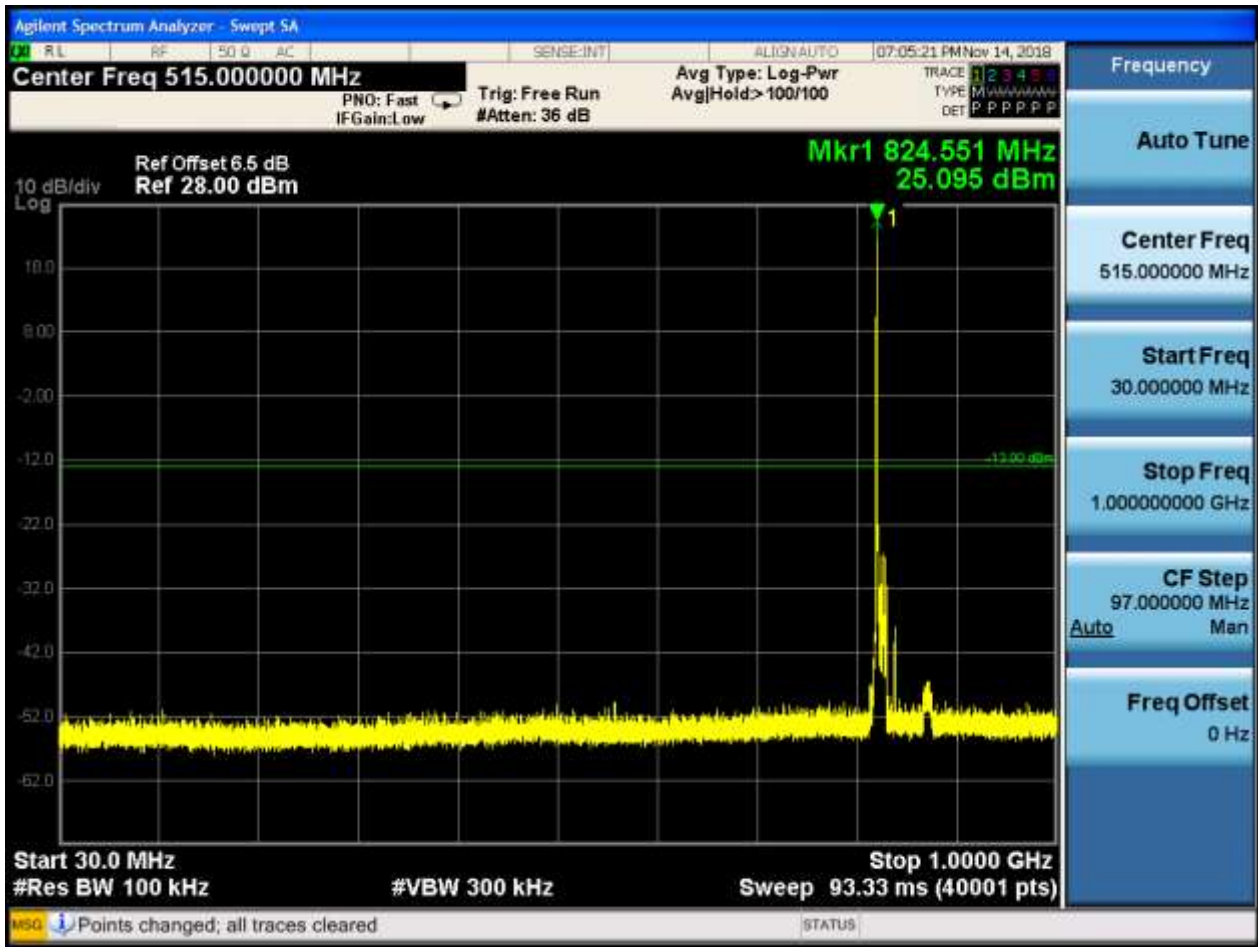
#### 6.1.1.2.4.1 Test Channel = LCH

##### 6.1.1.2.4.1.1 Test RB = RB1#0









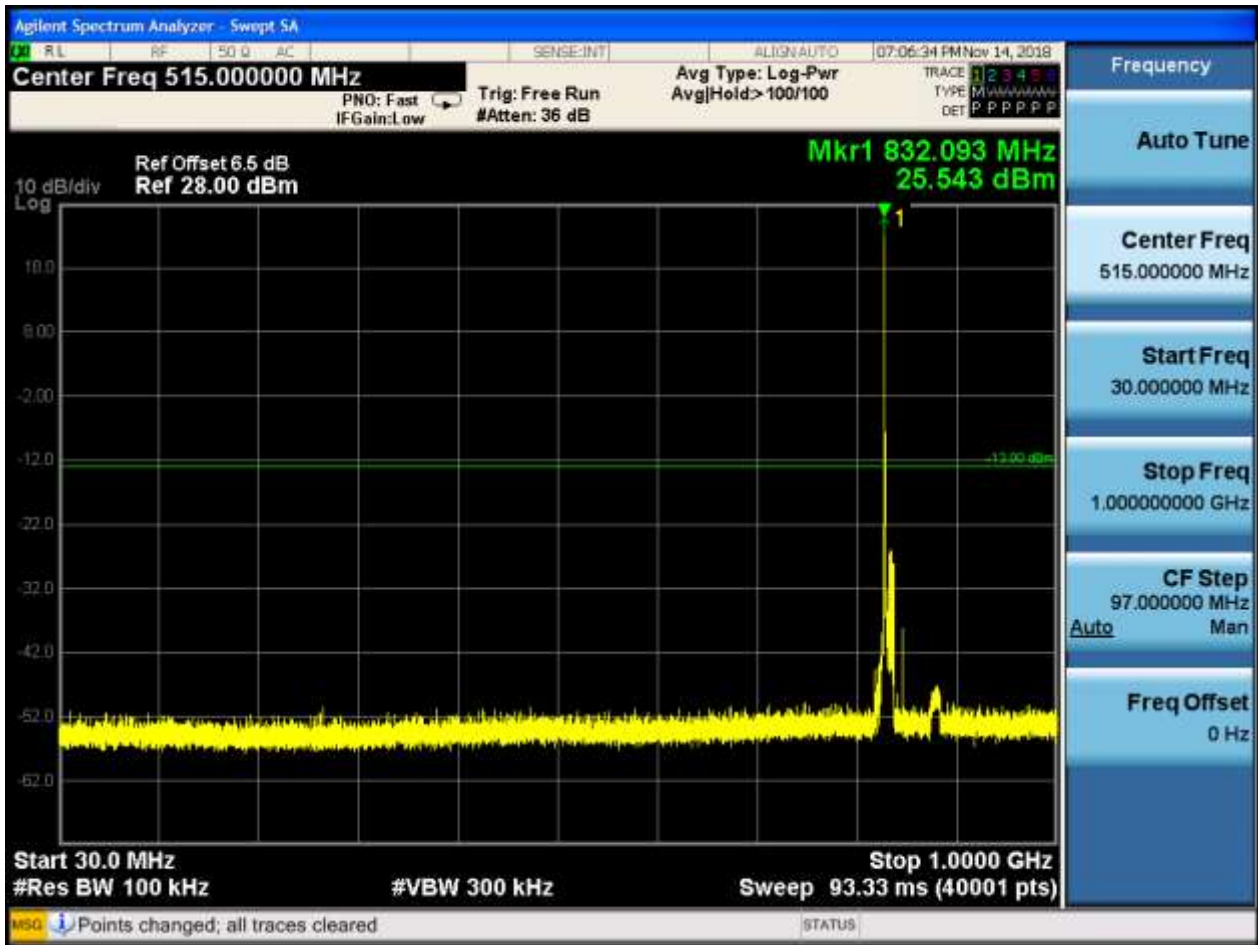


## 6.1.1.2.4.2 Test Channel = MCH

## 6.1.1.2.4.2.1 Test RB = RB1#0









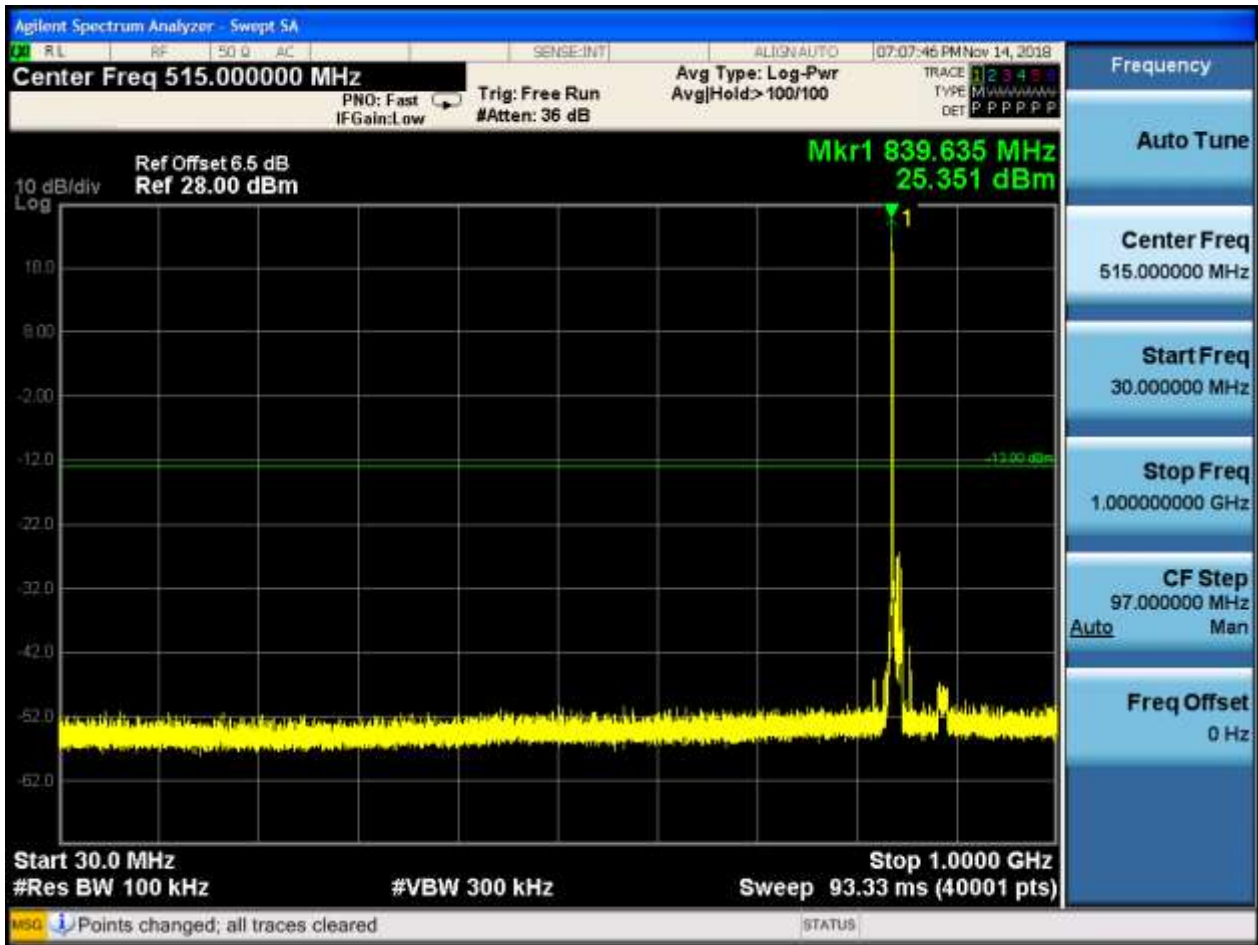
## 6.1.1.2.4.3 Test Channel = HCH

## 6.1.1.2.4.3.1 Test RB = RB1#0











## 7Appendix\_G: Frequency Stability

### 7.1 For LTE

#### 7.1.1 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
BAND5	LTE/TM1	1.4	LCH	TN	VL	0.23	0.00028	PASS
					VN	-2.39	-0.0029	PASS
					VH	-0.03	-0.00004	PASS
			MCH	TN	VL	0.54	0.00065	PASS
					VN	-1.65	-0.00197	PASS
					VH	-1.87	-0.00224	PASS
			HCH	TN	VL	-0.04	-0.00005	PASS
					VN	1.65	0.00195	PASS
					VH	-0.66	-0.00078	PASS
		3	LCH	TN	VL	0.39	0.00047	PASS
					VN	0.1	0.00012	PASS
					VH	-1	-0.00121	PASS
			MCH	TN	VL	-1.37	-0.00164	PASS
					VN	-0.59	-0.00071	PASS
					VH	0.36	0.00043	PASS
			HCH	TN	VL	-0.97	-0.00114	PASS
					VN	0.16	0.00019	PASS
					VH	-1.92	-0.00227	PASS
		5	LCH	TN	VL	-1.53	-0.00185	PASS
					VN	-0.96	-0.00116	PASS
					VH	-0.86	-0.00104	PASS
			MCH	TN	VL	0.17	0.0002	PASS
					VN	-0.41	-0.00049	PASS
					VH	-0.87	-0.00104	PASS
			HCH	TN	VL	-0.1	-0.00012	PASS
					VN	-0.7	-0.00083	PASS
					VH	-0.21	-0.00025	PASS
		10	LCH	TN	VL	-0.5	-0.0006	PASS
					VN	0.21	0.00025	PASS

LTE/TM2	1.4	MCH	TN	VH	-1.07	-0.00129	PASS	
				VL	-0.73	-0.00087	PASS	
				VN	-1.33	-0.00159	PASS	
		HCH	TN	VH	-0.67	-0.0008	PASS	
				VL	-0.47	-0.00056	PASS	
				VN	-0.67	-0.00079	PASS	
		LCH	TN	VH	-0.86	-0.00102	PASS	
				VL	-2.27	-0.00275	PASS	
				VN	-4.01	-0.00486	PASS	
		3	MCH	TN	VH	-0.99	-0.0012	PASS
					VL	-0.93	-0.00111	PASS
					VN	-0.56	-0.00067	PASS
	HCH		TN	VH	-0.93	-0.00111	PASS	
				VL	-1.49	-0.00176	PASS	
				VN	-1.24	-0.00146	PASS	
	3	LCH	TN	VH	-0.26	-0.00031	PASS	
				VL	-0.34	-0.00041	PASS	
				VN	0.29	0.00035	PASS	
		MCH	TN	VH	-0.43	-0.00052	PASS	
				VL	-0.79	-0.00094	PASS	
				VN	-1.47	-0.00176	PASS	
	5	HCH	TN	VH	0.11	0.00013	PASS	
				VL	-1.06	-0.00125	PASS	
				VN	-1	-0.00118	PASS	
		LCH	TN	VH	-1.7	-0.00201	PASS	
				VL	-1.19	-0.00144	PASS	
				VN	-1.89	-0.00229	PASS	
	5	MCH	TN	VH	-0.86	-0.00104	PASS	
				VL	-1.8	-0.00215	PASS	
				VN	-1.04	-0.00124	PASS	
		HCH	TN	VH	-1.47	-0.00176	PASS	
				VL	-0.92	-0.00109	PASS	
				VN	-0.84	-0.00099	PASS	
	10	LCH	TN	VH	-0.16	-0.00019	PASS	
				VL	-0.83	-0.001	PASS	
				VN	0.34	0.00041	PASS	
		MCH	TN	VH	-1.9	-0.00229	PASS	
				VL	-0.6	-0.00072	PASS	
				VN	-0.89	-0.00106	PASS	
	HCH	TN	VH	-1.57	-0.00188	PASS		
VL			-0.36	-0.00043	PASS			

					VN	-0.11	-0.00013	PASS
					VH	-0.24	-0.00028	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
BAND5	LTE/TM1	1.4	LCH	VN	-30	-3.2	-0.00388	PASS
					-20	-2.53	-0.00307	PASS
					-10	-1.23	-0.00149	PASS
					0	-2.76	-0.00335	PASS
					10	-1.06	-0.00129	PASS
					20	-1.6	-0.00194	PASS
					30	-1.04	-0.00126	PASS
					40	-3.02	-0.00366	PASS
			50	-1.09	-0.00132	PASS		
			MCH	VN	-30	-1.63	-0.00195	PASS
					-20	-1.66	-0.00198	PASS
					-10	-0.07	-0.00008	PASS
					0	-0.77	-0.00092	PASS
					10	-0.47	-0.00056	PASS
		20			-1.67	-0.002	PASS	
		30			-1.43	-0.00171	PASS	
		40			-0.9	-0.00108	PASS	
		50	-0.87	-0.00104	PASS			
		HCH	VN	-30	-1.67	-0.00197	PASS	
				-20	1.33	0.00157	PASS	
				-10	-2.39	-0.00282	PASS	
				0	-1.47	-0.00173	PASS	
				10	-1.65	-0.00195	PASS	
				20	0.1	0.00012	PASS	
				30	-0.11	-0.00013	PASS	
				40	-1.85	-0.00218	PASS	
		50	-1.54	-0.00182	PASS			
		3	LCH	VN	-30	-0.96	-0.00116	PASS
-20	-1.37				-0.00166	PASS		
-10	-0.21				-0.00025	PASS		
0	-0.6				-0.00073	PASS		
10	0.67				0.00081	PASS		
20	0.49				0.00059	PASS		
30	-1.57				-0.0019	PASS		

					40	-0.13	-0.00016	PASS
					50	1.13	0.00137	PASS
			MCH	VN	-30	0.87	0.00104	PASS
			MCH	VN	-20	0.04	0.00005	PASS
			MCH	VN	-10	-0.79	-0.00094	PASS
			MCH	VN	0	0.1	0.00012	PASS
			MCH	VN	10	0.2	0.00024	PASS
			MCH	VN	20	-0.29	-0.00035	PASS
			MCH	VN	30	-1.82	-0.00218	PASS
			MCH	VN	40	-0.94	-0.00112	PASS
			MCH	VN	50	-0.39	-0.00047	PASS
			HCH	VN	-30	-1.27	-0.0015	PASS
			HCH	VN	-20	-0.99	-0.00117	PASS
			HCH	VN	-10	-1.56	-0.00184	PASS
			HCH	VN	0	-1.37	-0.00162	PASS
			HCH	VN	10	-1.95	-0.0023	PASS
			HCH	VN	20	-0.87	-0.00103	PASS
			HCH	VN	30	-1	-0.00118	PASS
			HCH	VN	40	-1.29	-0.00152	PASS
			HCH	VN	50	-1.42	-0.00168	PASS
		5	LCH	VN	-30	-1.4	-0.00169	PASS
			LCH	VN	-20	-1.62	-0.00196	PASS
			LCH	VN	-10	-1.06	-0.00128	PASS
			LCH	VN	0	-1.87	-0.00226	PASS
			LCH	VN	10	-1.17	-0.00142	PASS
			LCH	VN	20	-0.92	-0.00111	PASS
			LCH	VN	30	-0.44	-0.00053	PASS
			LCH	VN	40	-1.86	-0.00225	PASS
			LCH	VN	50	-1.52	-0.00184	PASS
			MCH	VN	-30	-1.1	-0.00132	PASS
			MCH	VN	-20	-0.13	-0.00016	PASS
			MCH	VN	-10	-0.43	-0.00051	PASS
			MCH	VN	0	-0.8	-0.00096	PASS
			MCH	VN	10	-1.32	-0.00158	PASS
			MCH	VN	20	-0.41	-0.00049	PASS
			MCH	VN	30	-1.04	-0.00124	PASS
			MCH	VN	40	0.66	0.00079	PASS
			MCH	VN	50	-0.21	-0.00025	PASS
			HCH	VN	-30	-1.07	-0.00126	PASS
			HCH	VN	-20	-0.17	-0.0002	PASS
			HCH	VN	-10	1.17	0.00138	PASS

		10	LCH	VN	0	-0.06	-0.00007	PASS
					10	-0.74	-0.00087	PASS
					20	-0.46	-0.00054	PASS
					30	0.73	0.00086	PASS
					40	-0.2	-0.00024	PASS
					50	-0.14	-0.00017	PASS
			LCH	VN	-30	-1.02	-0.00123	PASS
					-20	-0.36	-0.00043	PASS
					-10	-1.04	-0.00125	PASS
					0	-1.1	-0.00133	PASS
					10	-0.66	-0.0008	PASS
					20	-0.37	-0.00045	PASS
			MCH	VN	30	0.6	0.00072	PASS
					40	-1.4	-0.00169	PASS
					50	-0.76	-0.00092	PASS
					-30	-0.2	-0.00024	PASS
					-20	-1.54	-0.00184	PASS
					-10	-1.8	-0.00215	PASS
			MCH	VN	0	-1.82	-0.00218	PASS
					10	0.14	0.00017	PASS
					20	-0.1	-0.00012	PASS
					30	-0.56	-0.00067	PASS
					40	-0.67	-0.0008	PASS
					50	-0.87	-0.00104	PASS
	HCH	VN	-30	-0.47	-0.00056	PASS		
			-20	-1.1	-0.0013	PASS		
			-10	-0.2	-0.00024	PASS		
			0	-0.76	-0.0009	PASS		
			10	-1.06	-0.00126	PASS		
			20	-0.59	-0.0007	PASS		
	HCH	VN	30	-0.72	-0.00085	PASS		
			40	-1.42	-0.00168	PASS		
			50	-0.31	-0.00037	PASS		
-30			-1.77	-0.00215	PASS			
-20			-1.17	-0.00142	PASS			
-10			-0.89	-0.00108	PASS			
LTE/TM2	1.4	LCH	VN	0	-1.56	-0.00189	PASS	
				10	-1.53	-0.00186	PASS	
				20	-2.88	-0.00349	PASS	
				30	-2.19	-0.00266	PASS	
				40	-3.02	-0.00366	PASS	



				50	-1.83	-0.00222	PASS	
			MCH	VN	-30	-0.43	-0.00051	PASS
					-20	-0.87	-0.00104	PASS
					-10	-0.34	-0.00041	PASS
					0	-0.79	-0.00094	PASS
					10	-1.63	-0.00195	PASS
					20	-2.96	-0.00354	PASS
					30	-1.49	-0.00178	PASS
					40	-0.33	-0.00039	PASS
					50	1.26	0.00151	PASS
			HCH	VN	-30	0.62	0.00073	PASS
					-20	0.34	0.0004	PASS
					-10	1.5	0.00177	PASS
					0	-0.99	-0.00117	PASS
					10	-0.01	-0.00001	PASS
					20	-0.67	-0.00079	PASS
					30	-1.73	-0.00204	PASS
					40	0	0	PASS
					50	0.43	0.00051	PASS
		3	LCH	VN	-30	-1.49	-0.0018	PASS
					-20	0.29	0.00035	PASS
					-10	0.5	0.00061	PASS
					0	0.04	0.00005	PASS
					10	-0.57	-0.00069	PASS
					20	0.11	0.00013	PASS
					30	0.3	0.00036	PASS
					40	-0.74	-0.0009	PASS
					50	0.74	0.0009	PASS
			MCH	VN	-30	-1.79	-0.00214	PASS
					-20	-0.29	-0.00035	PASS
					-10	-0.92	-0.0011	PASS
					0	-1.26	-0.00151	PASS
					10	-1.06	-0.00127	PASS
					20	-0.94	-0.00112	PASS
					30	-1.59	-0.0019	PASS
					40	-1.43	-0.00171	PASS
					50	-0.04	-0.00005	PASS
		HCH	VN	-30	-1.96	-0.00231	PASS	
				-20	-2.75	-0.00324	PASS	
				-10	-1.79	-0.00211	PASS	
				0	-0.44	-0.00052	PASS	

					10	-1.56	-0.00184	PASS			
					20	-1.37	-0.00162	PASS			
					30	-2.5	-0.00295	PASS			
					40	-3.26	-0.00385	PASS			
					50	-1.09	-0.00129	PASS			
		5	LCH	VN	-30	-1.89	-0.00229	PASS			
								-20	-1.22	-0.00148	PASS
								-10	-1	-0.00121	PASS
								0	-2.23	-0.0027	PASS
								10	-0.89	-0.00108	PASS
								20	-2.33	-0.00282	PASS
						30	-0.57	-0.00069	PASS		
						40	-1.53	-0.00185	PASS		
						50	-2.59	-0.00313	PASS		
				MCH	VN	-30	-0.46	-0.00055	PASS		
								-20	-1.33	-0.00159	PASS
								-10	-0.39	-0.00047	PASS
								0	-1.43	-0.00171	PASS
								10	-0.13	-0.00016	PASS
								20	-0.92	-0.0011	PASS
						30	-0.8	-0.00096	PASS		
						40	-1.12	-0.00134	PASS		
						50	-1.14	-0.00136	PASS		
			HCH	VN	-30	-0.64	-0.00076	PASS			
							-20	-0.47	-0.00056	PASS	
							-10	-0.99	-0.00117	PASS	
							0	-0.37	-0.00044	PASS	
							10	-0.31	-0.00037	PASS	
							20	-0.74	-0.00087	PASS	
					30	-1.92	-0.00227	PASS			
					40	-0.67	-0.00079	PASS			
					50	-0.6	-0.00071	PASS			
		10	LCH	VN	-30	-0.86	-0.00104	PASS			
								-20	-1.47	-0.00177	PASS
								-10	0.23	0.00028	PASS
								0	-0.6	-0.00072	PASS
								10	-1.23	-0.00148	PASS
								20	-0.59	-0.00071	PASS
								30	-1.16	-0.0014	PASS
								40	0.73	0.00088	PASS
								50	-0.92	-0.00111	PASS

			MCH	VN	-30	-1.56	-0.00186	PASS
					-20	-1.19	-0.00142	PASS
					-10	-1.46	-0.00175	PASS
					0	-1.04	-0.00124	PASS
					10	-0.16	-0.00019	PASS
					20	-0.66	-0.00079	PASS
					30	-0.54	-0.00065	PASS
					40	-0.24	-0.00029	PASS
			HCH	VN	50	-0.69	-0.00082	PASS
					-30	-0.4	-0.00047	PASS
					-20	-0.83	-0.00098	PASS
					-10	-0.87	-0.00103	PASS
					0	-1.12	-0.00133	PASS
					10	-0.44	-0.00052	PASS
					20	-1.02	-0.00121	PASS
					30	-1.47	-0.00174	PASS
40	-0.62	-0.00073	PASS					
50	-0.46	-0.00055	PASS					

END