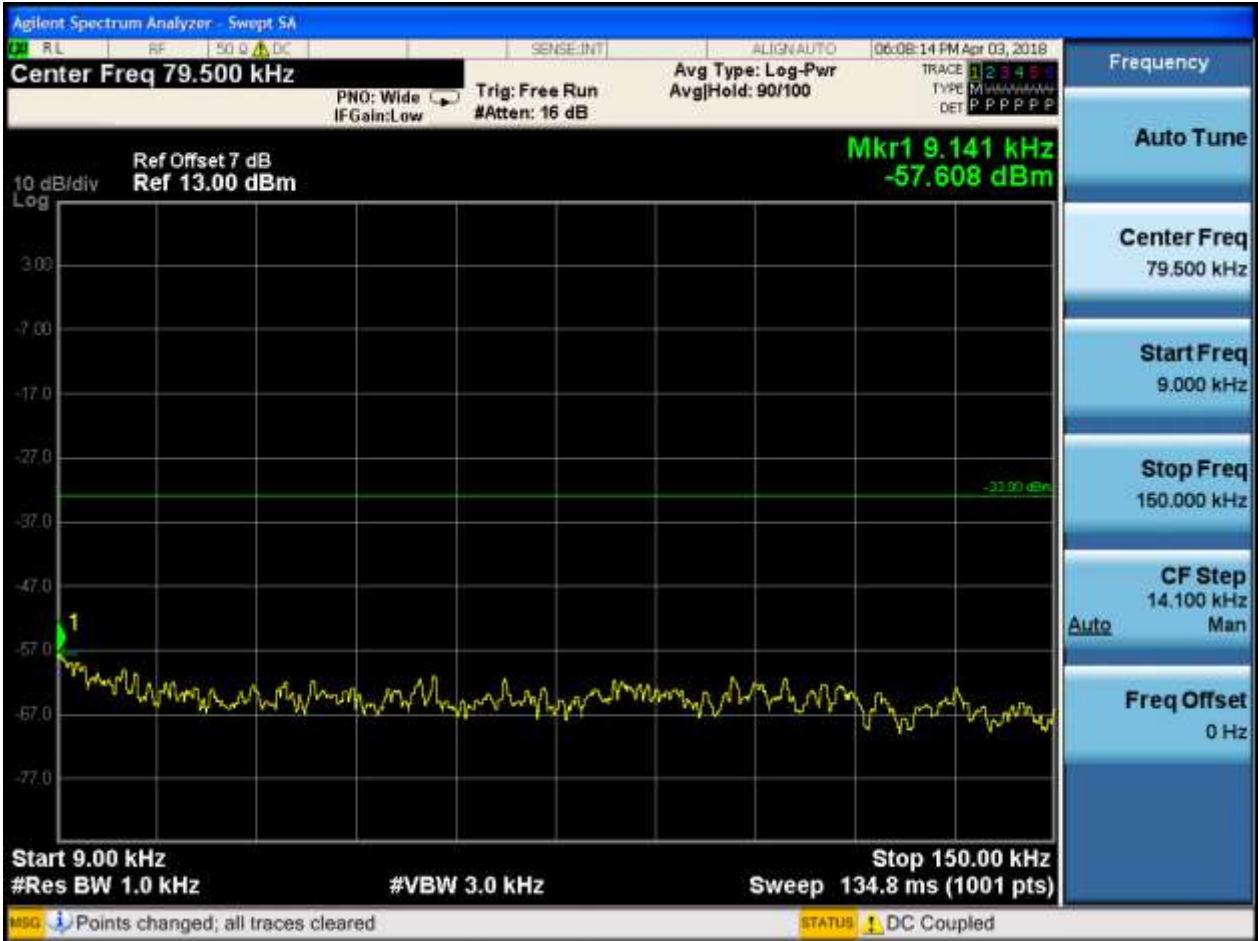


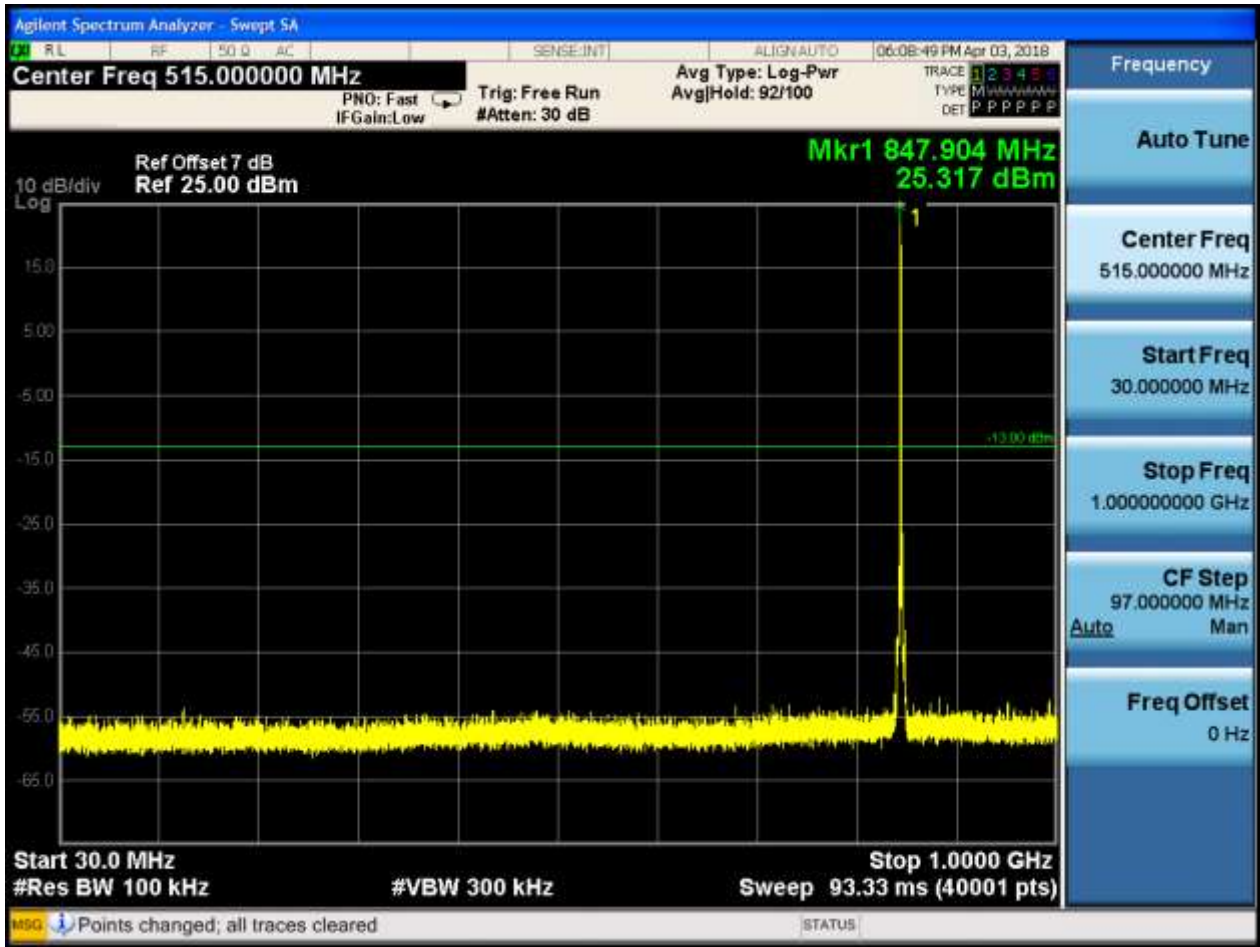


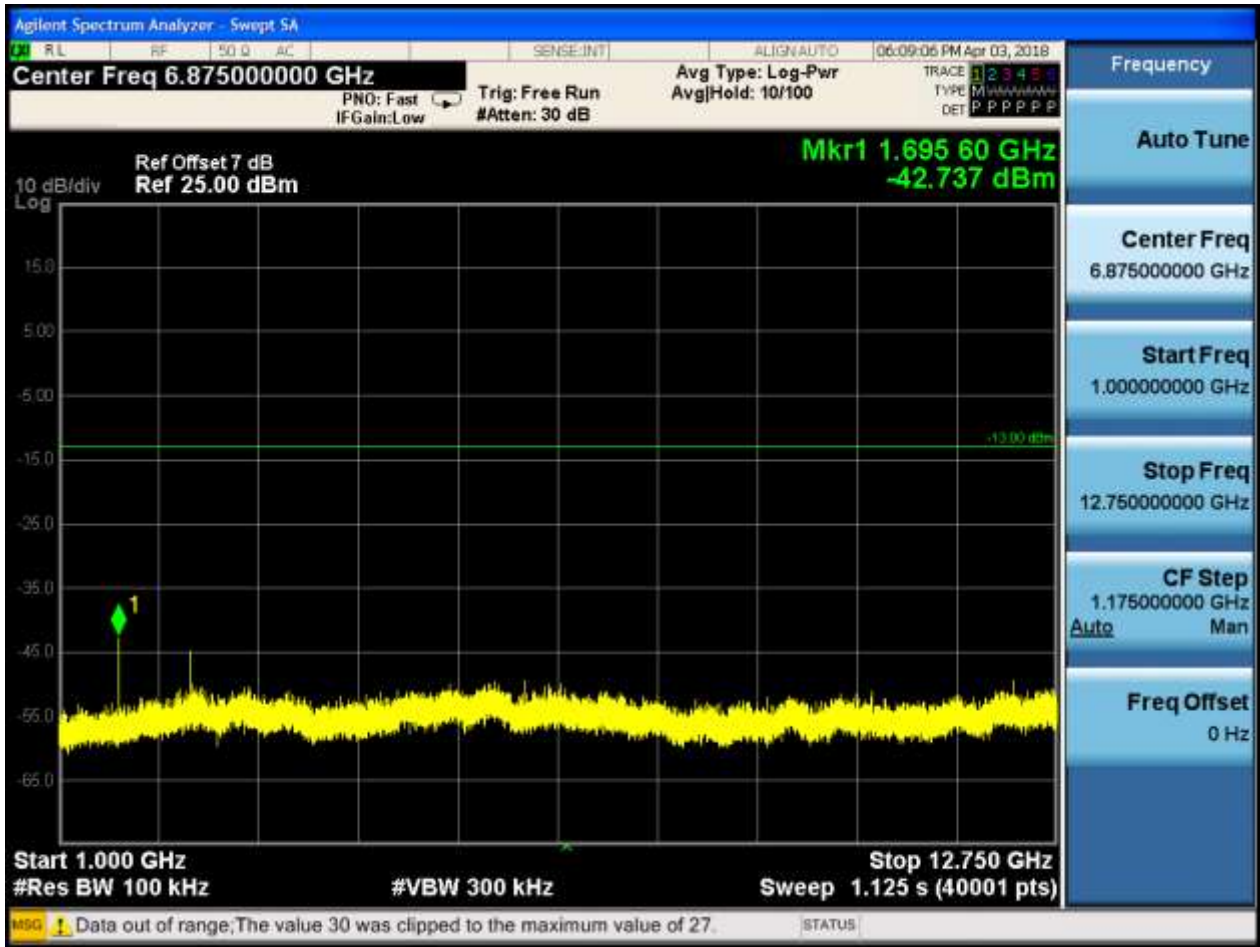
6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0











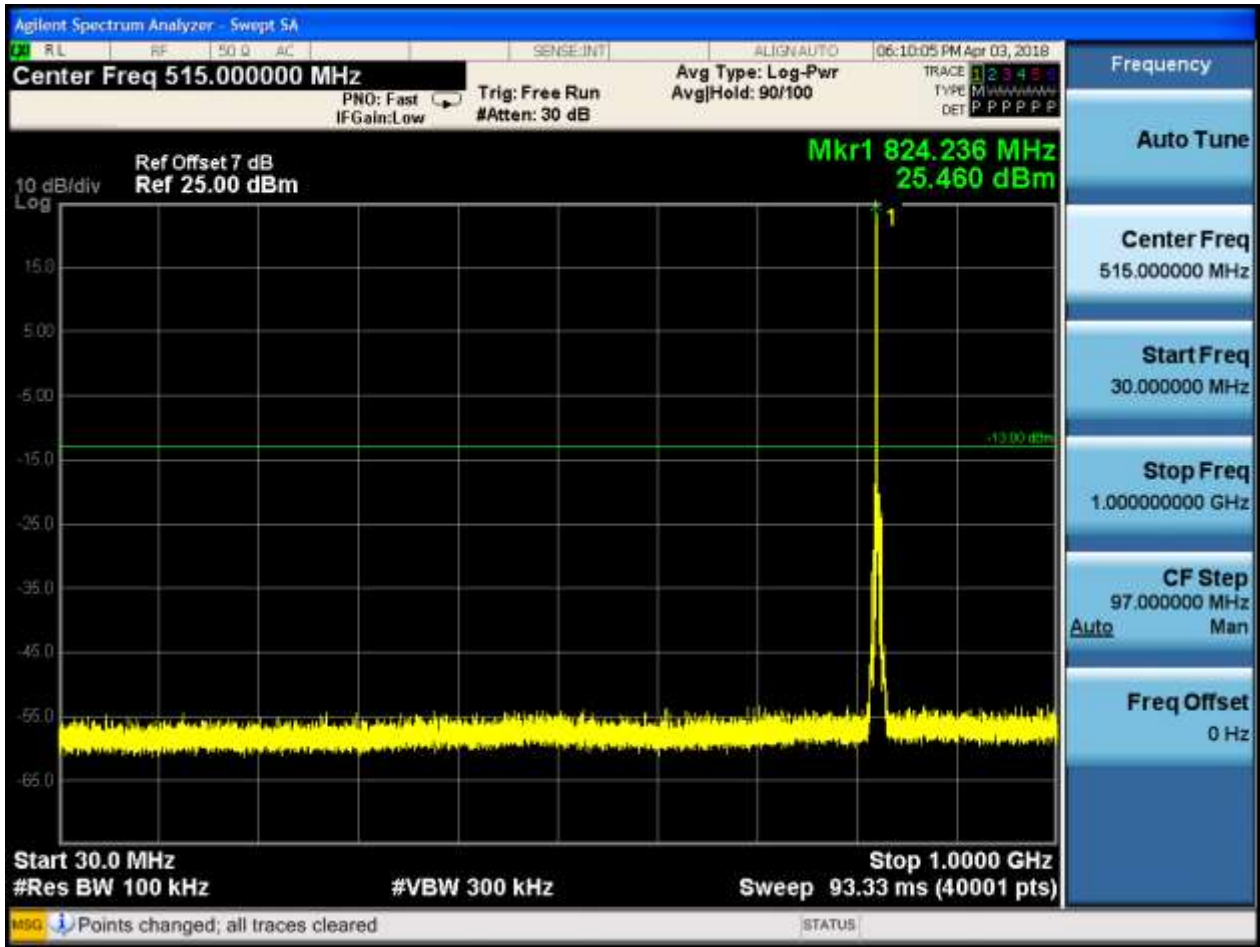
6.1.1.1.2 Test Bandwidth = 3

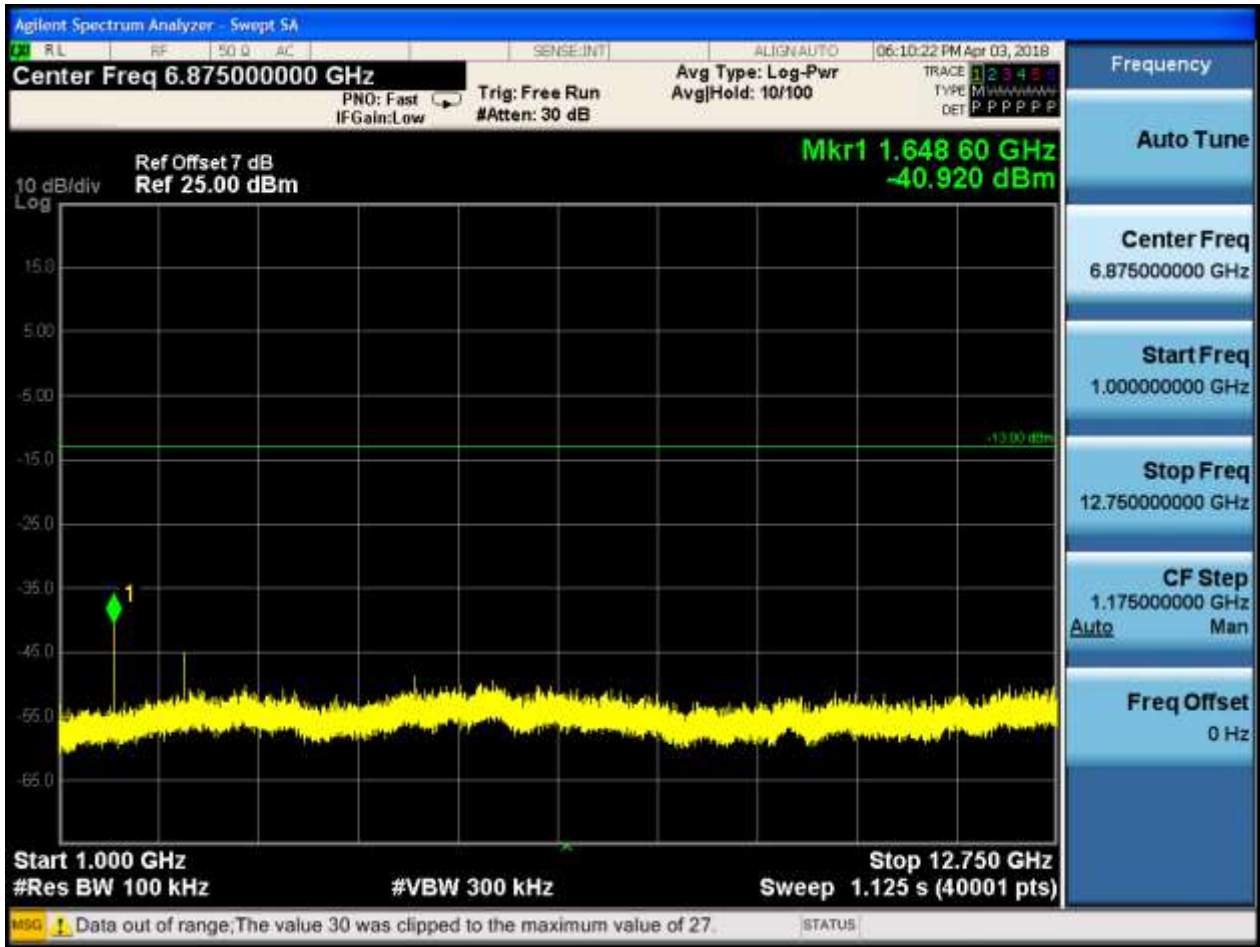
6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0





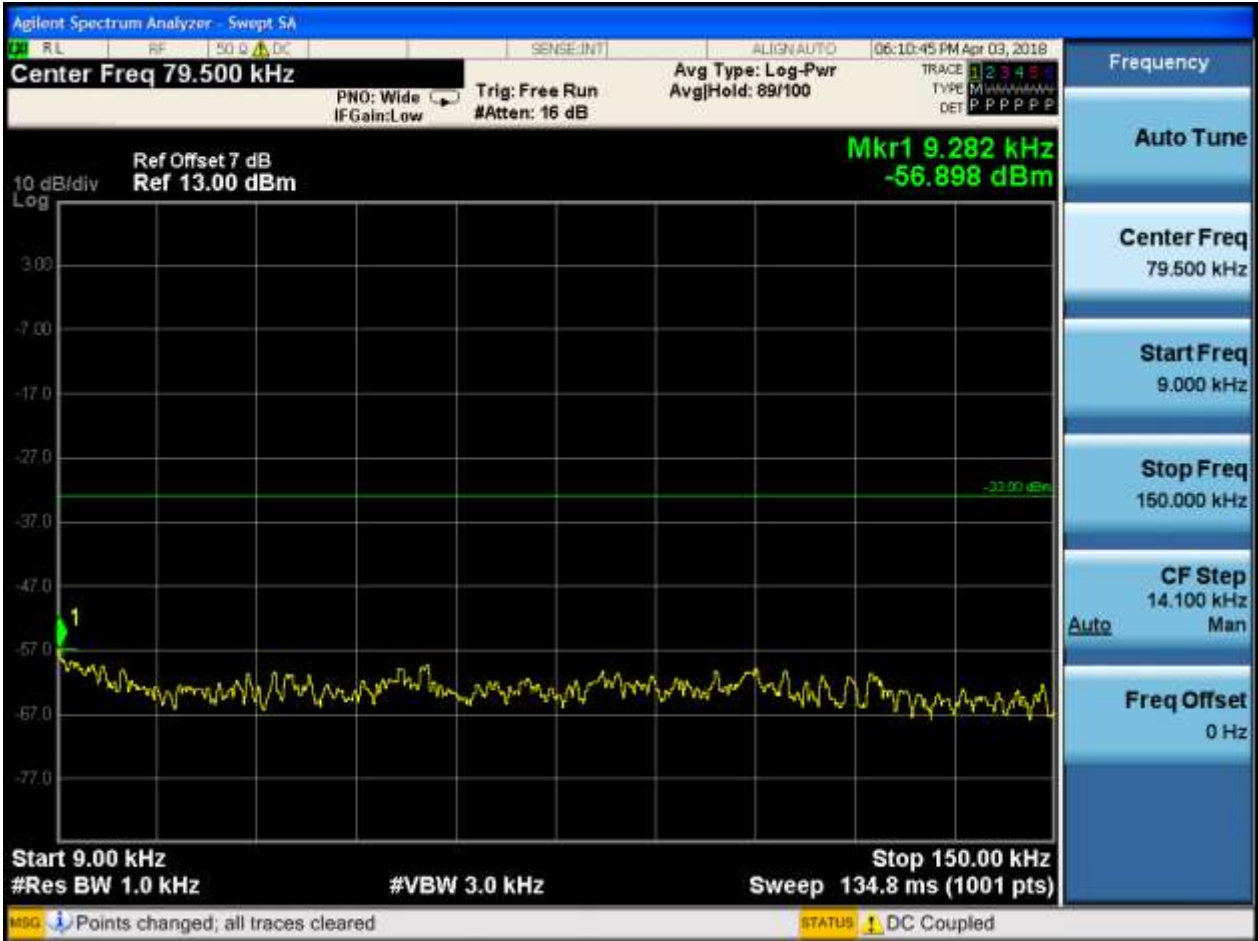




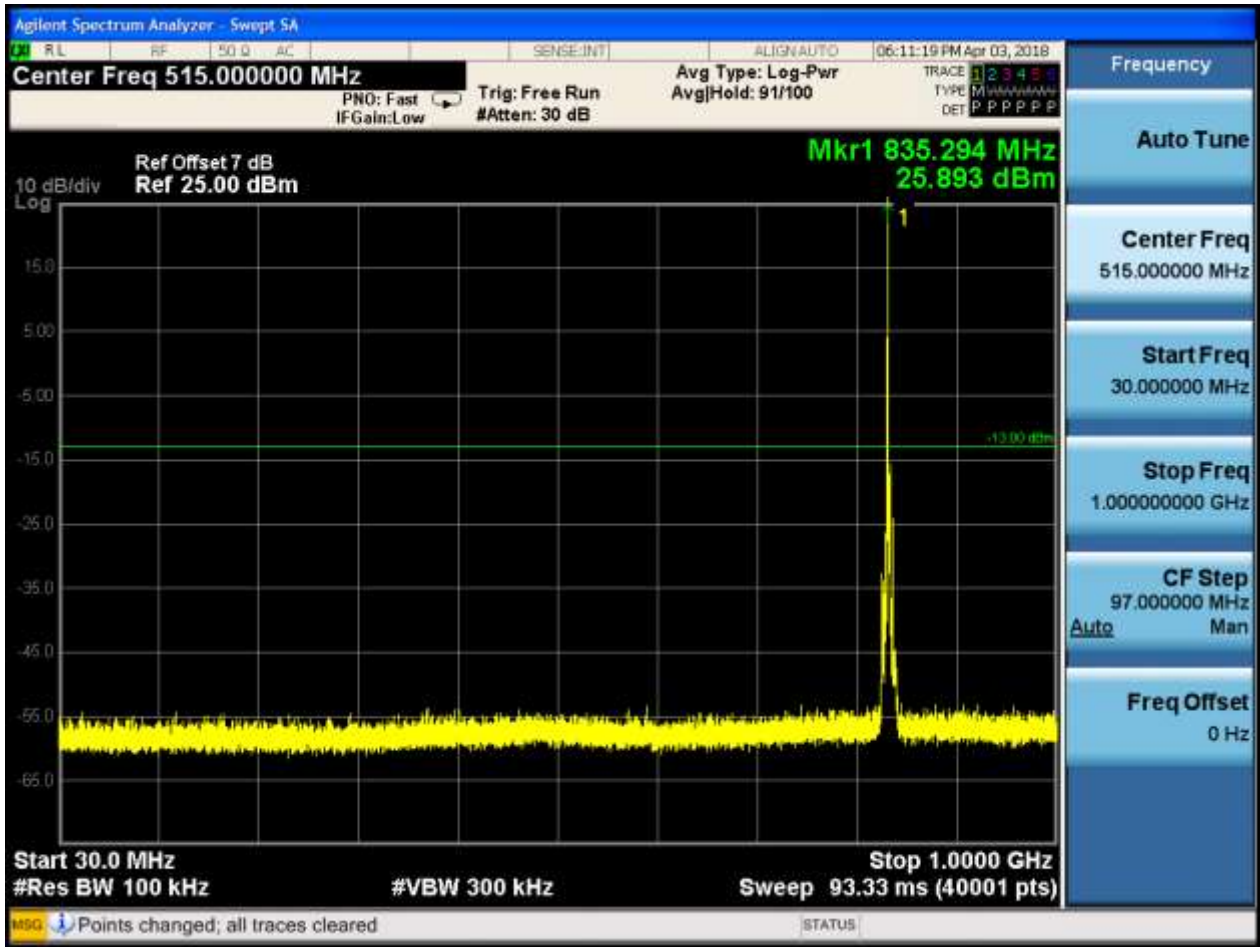


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



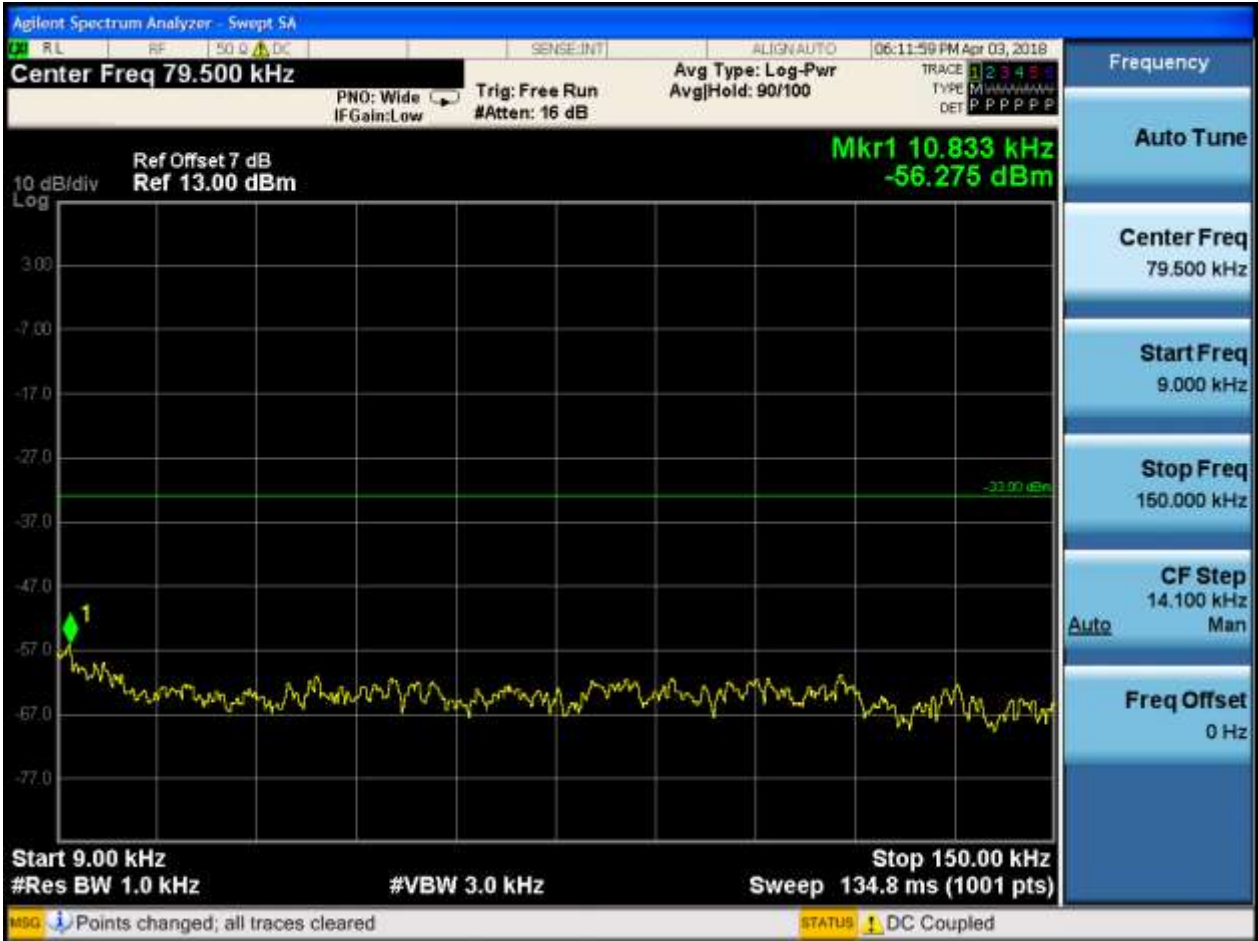




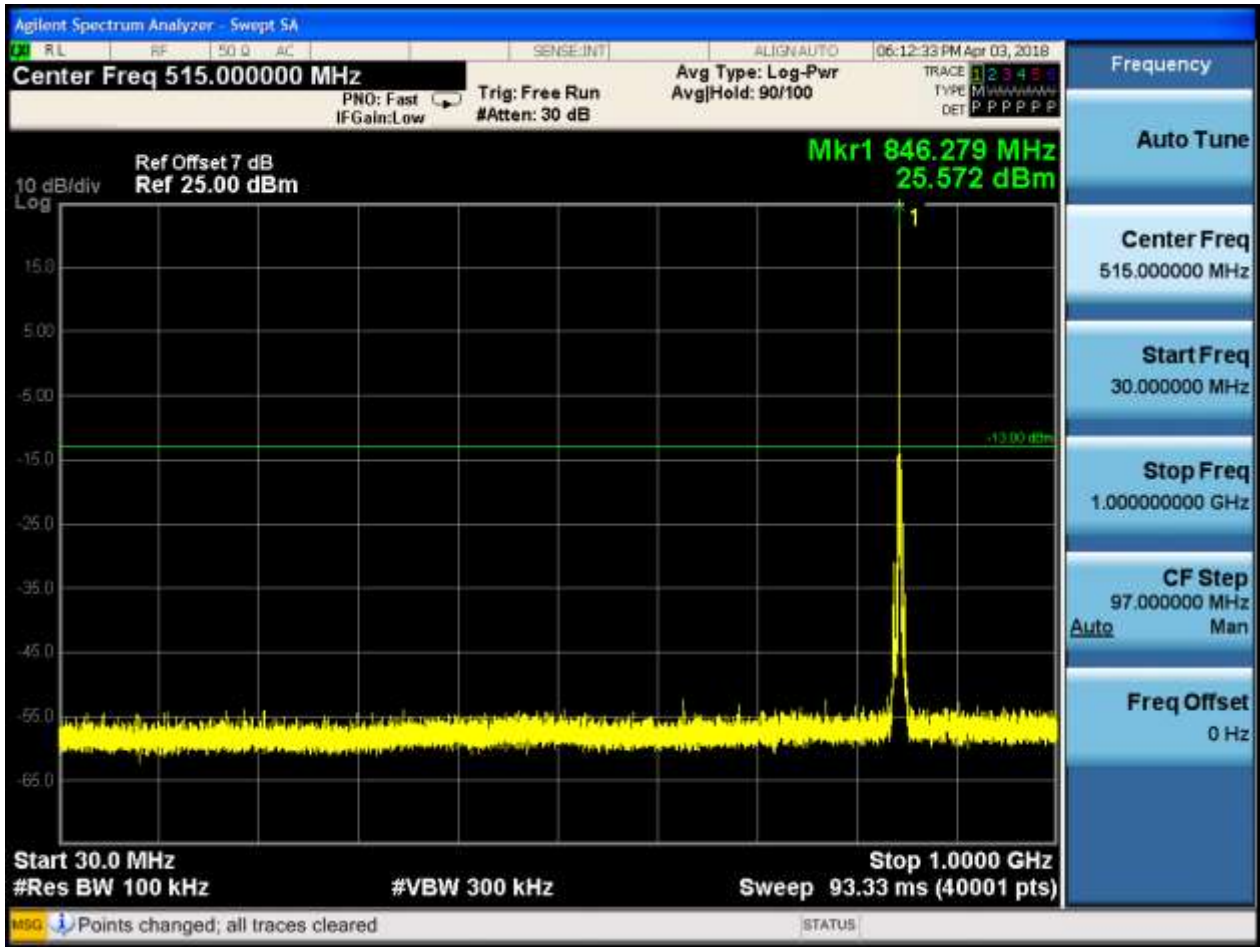


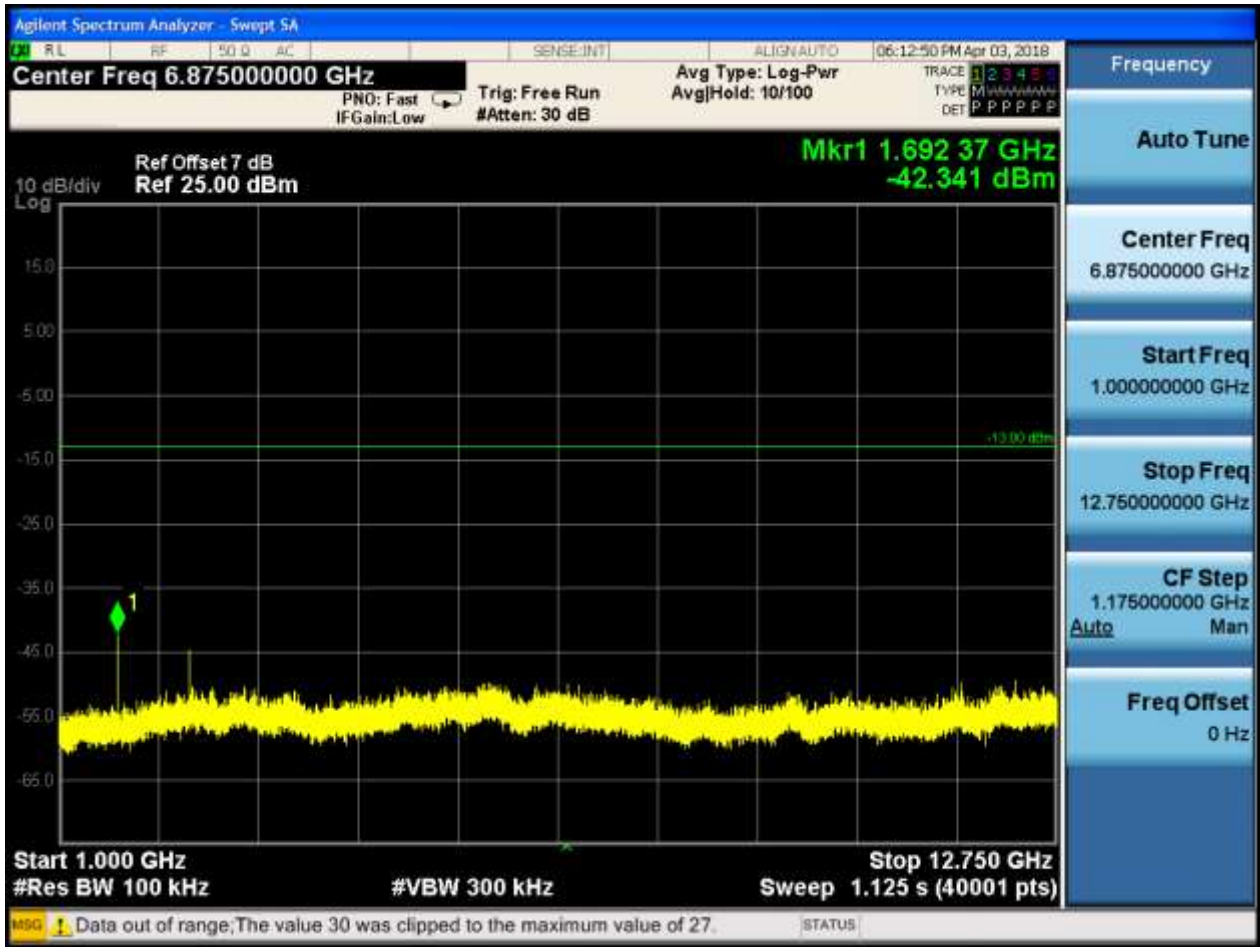
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0











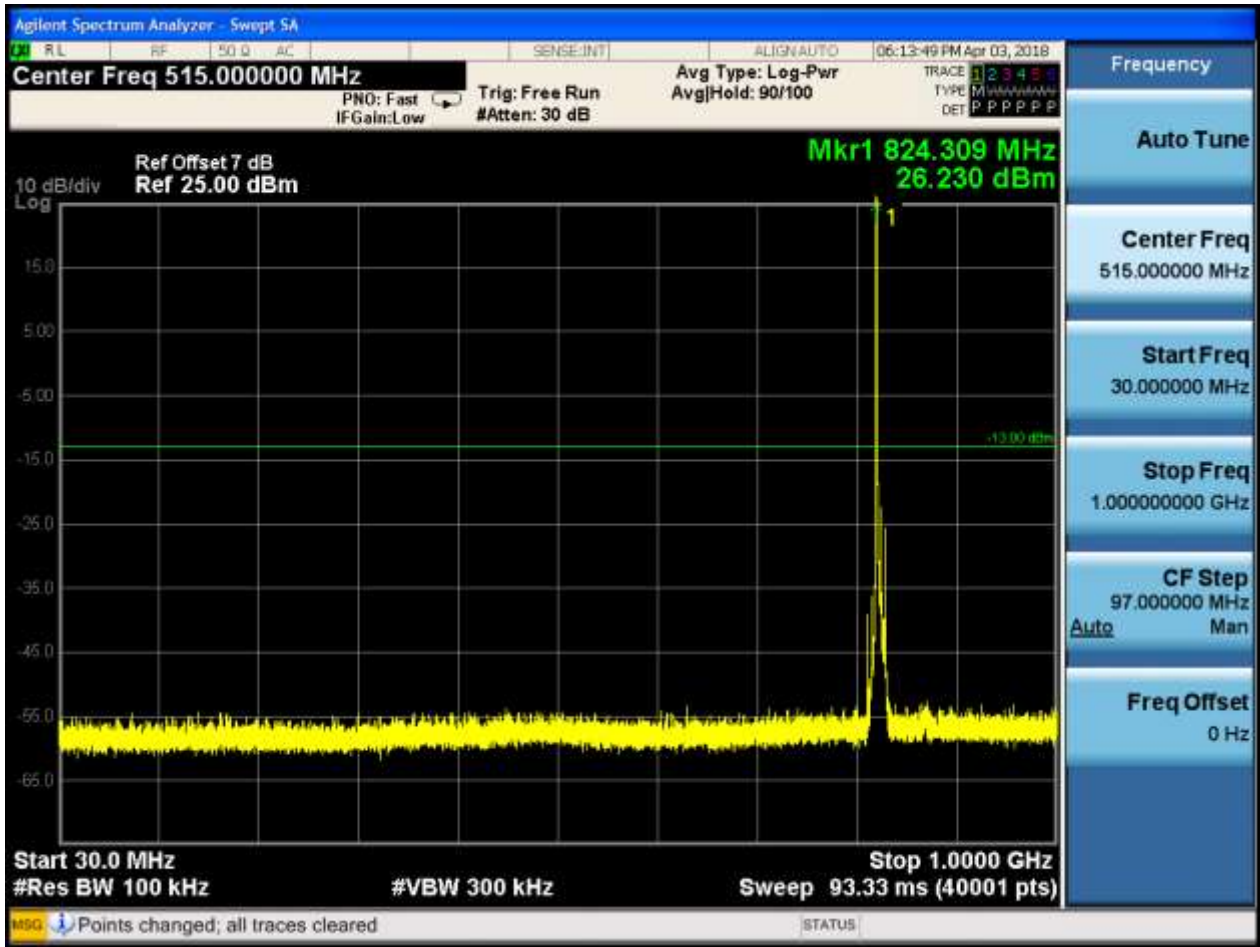
6.1.1.1.3 Test Bandwidth = 5

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





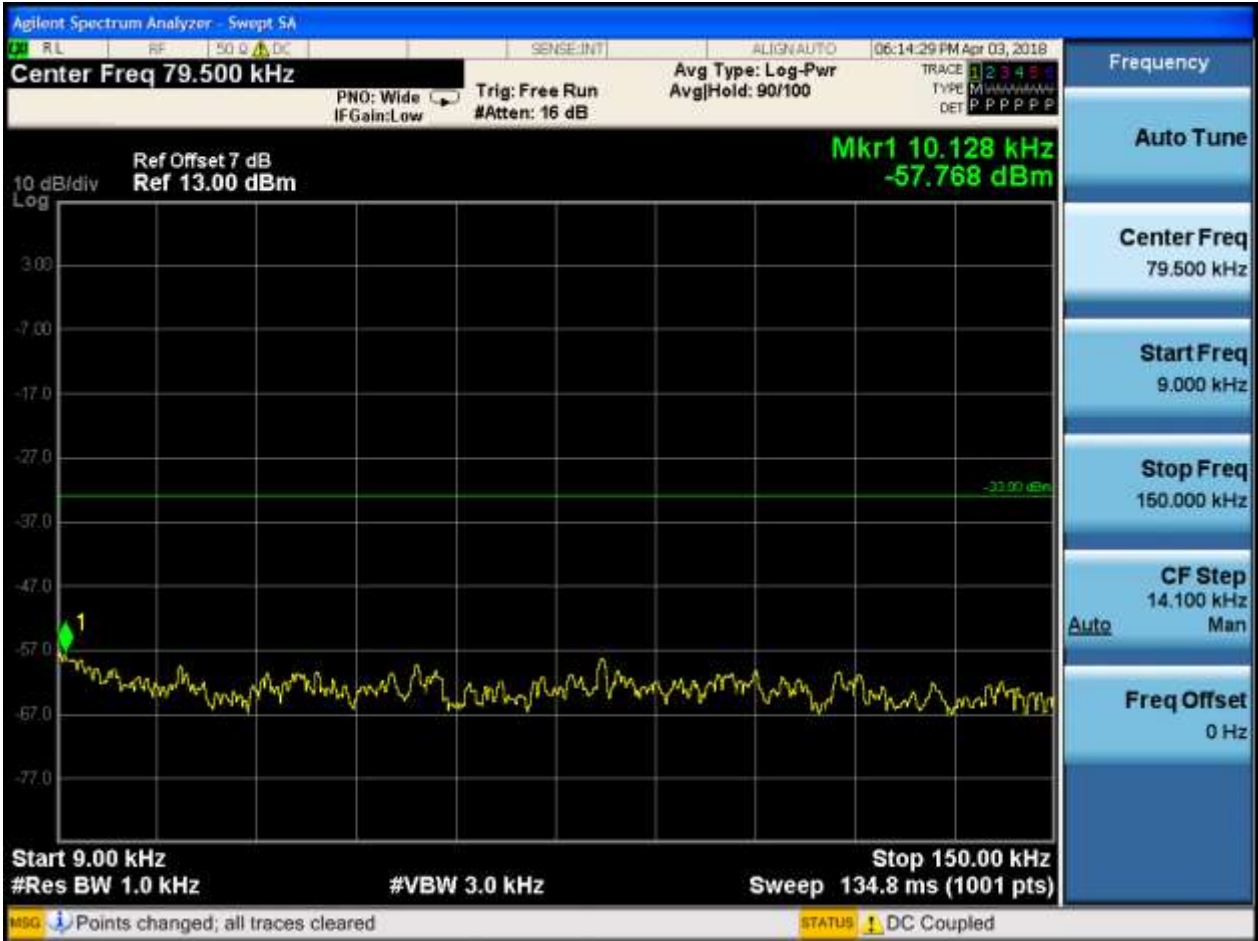




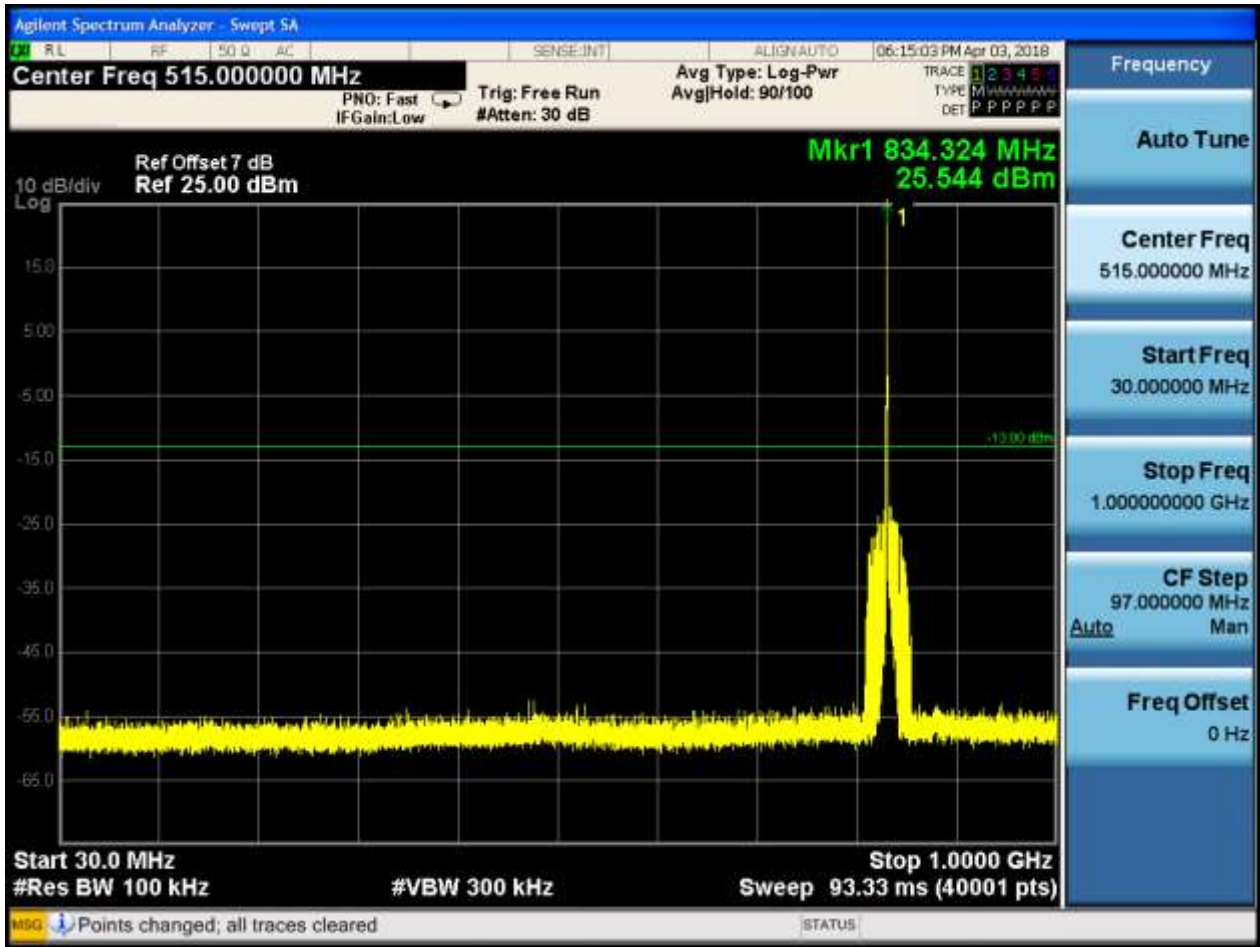


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0









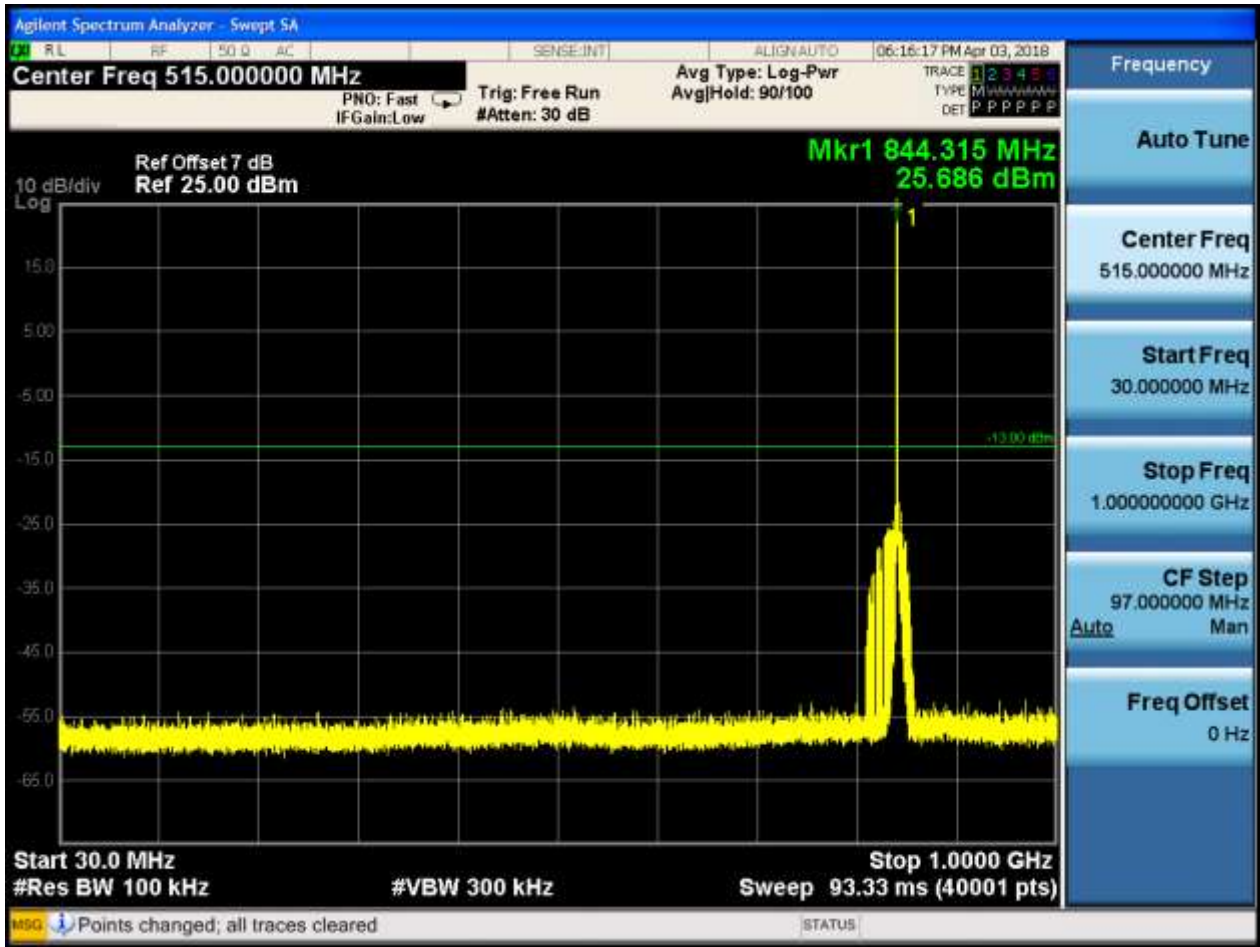


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







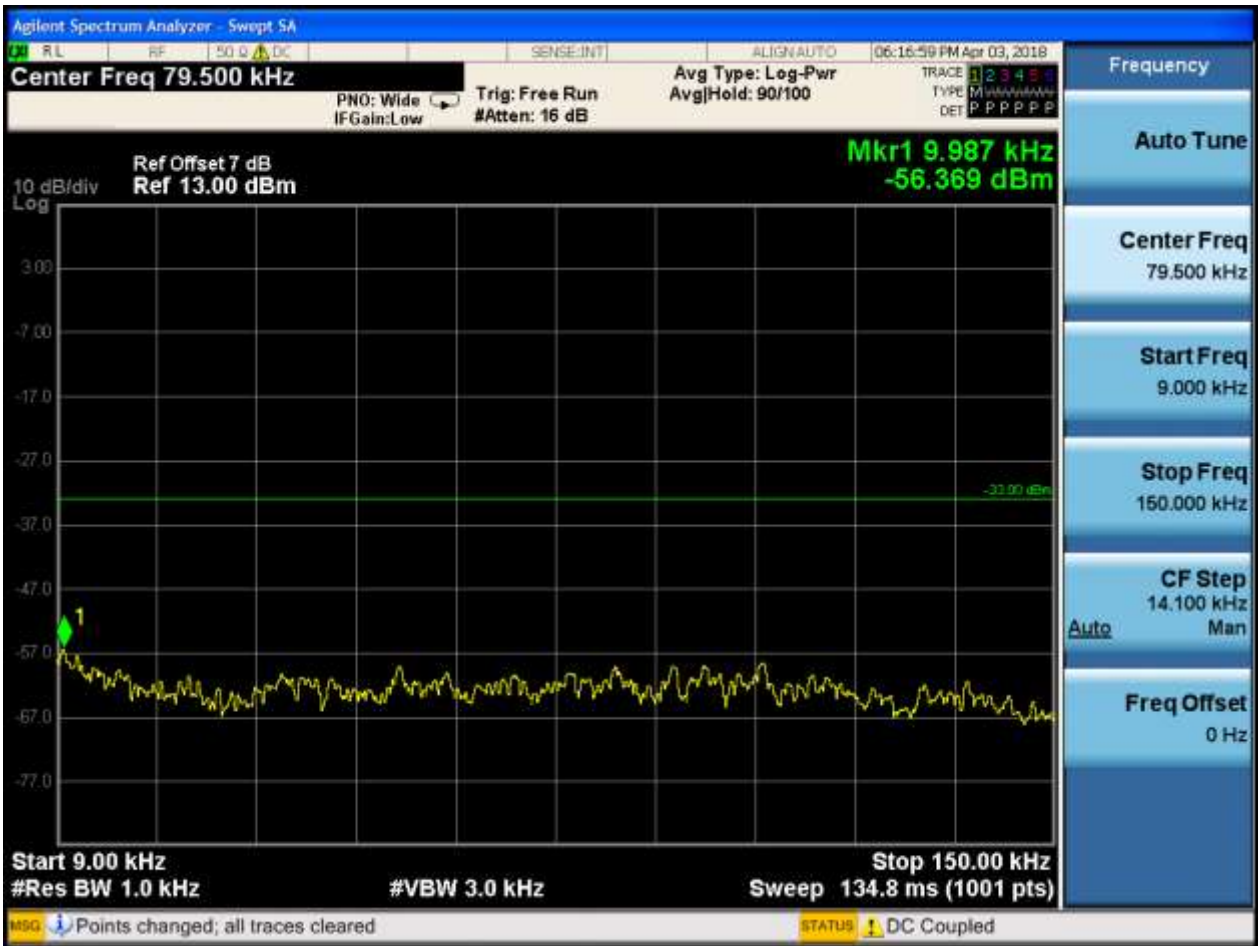




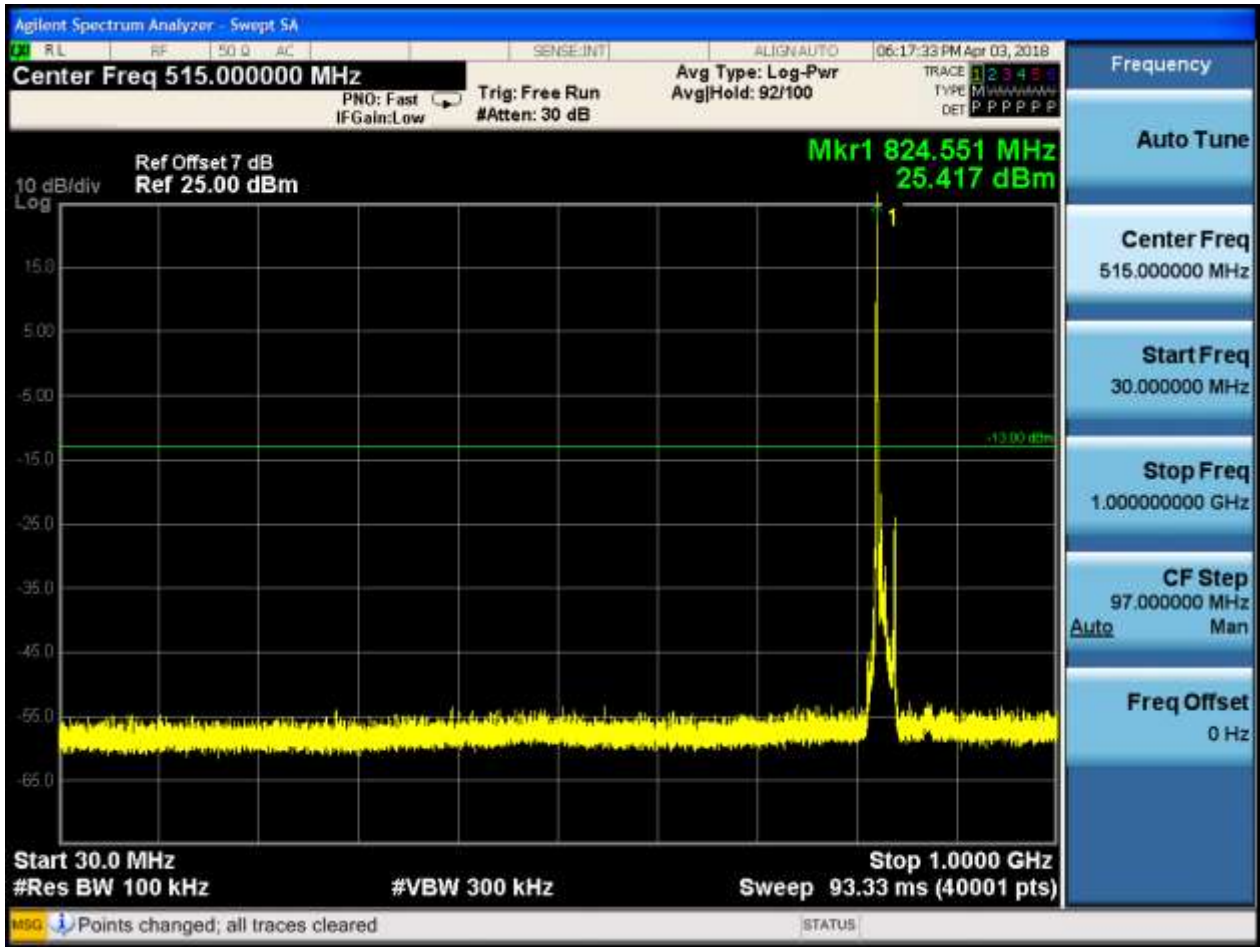
6.1.1.1.4 Test Bandwidth = 10

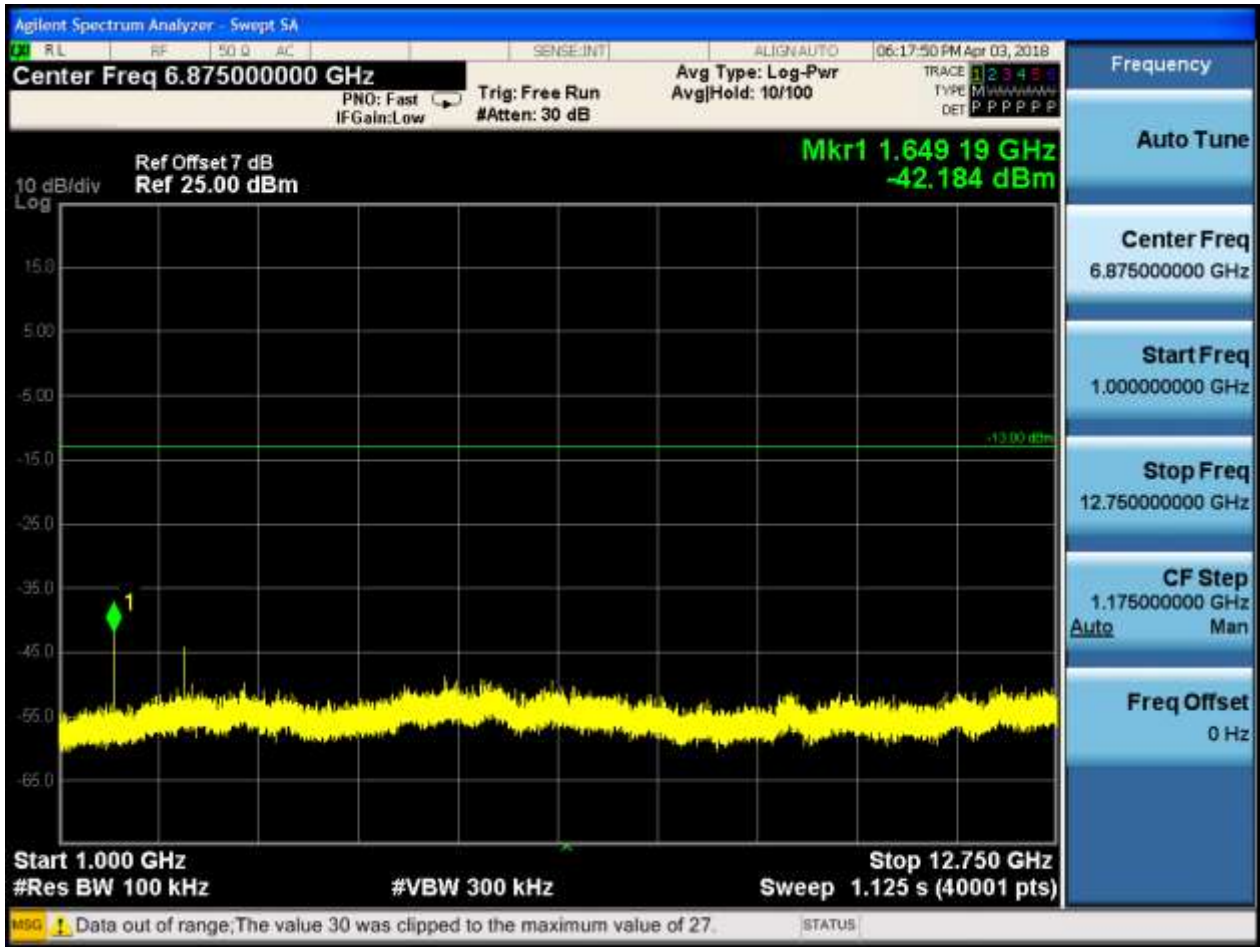
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





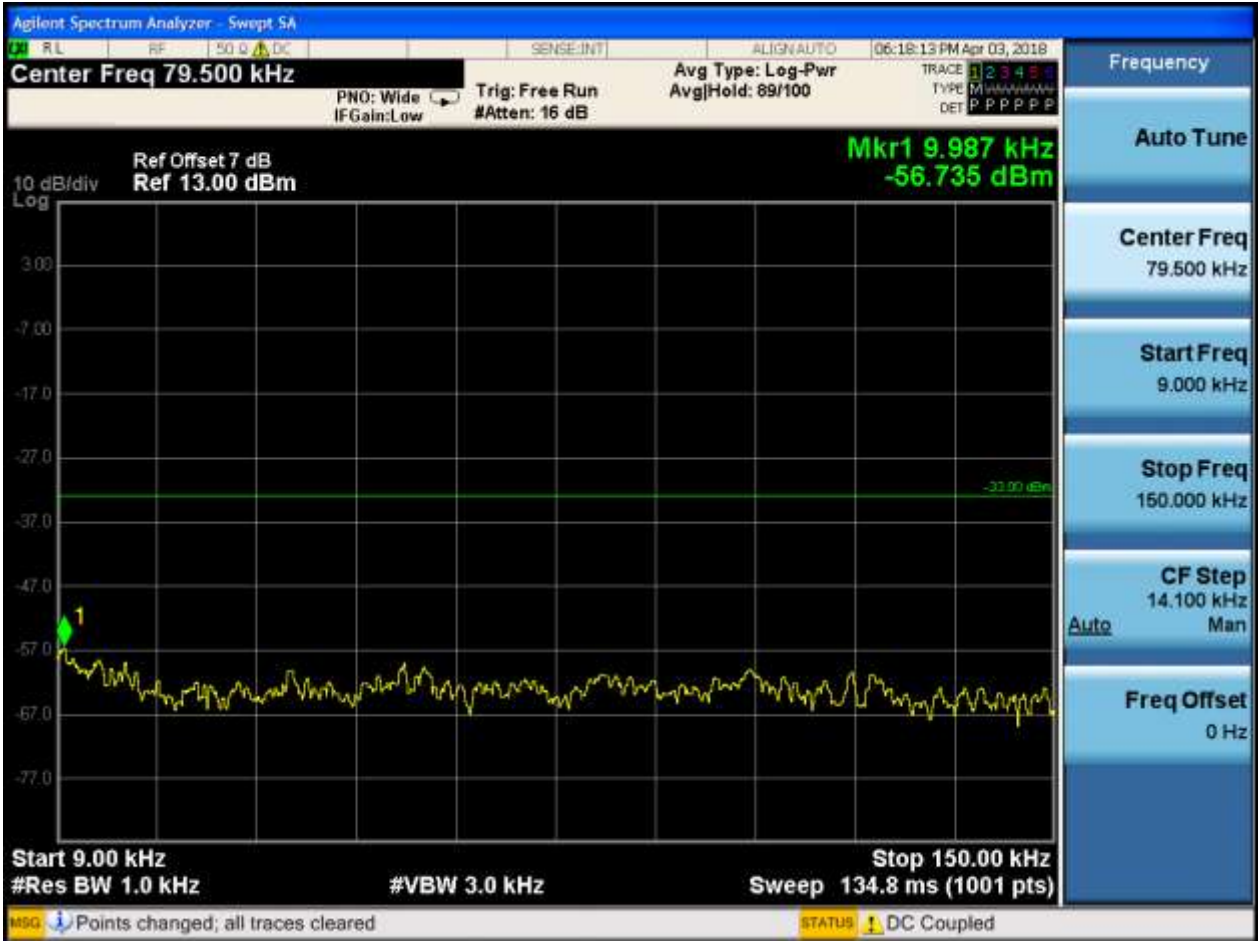




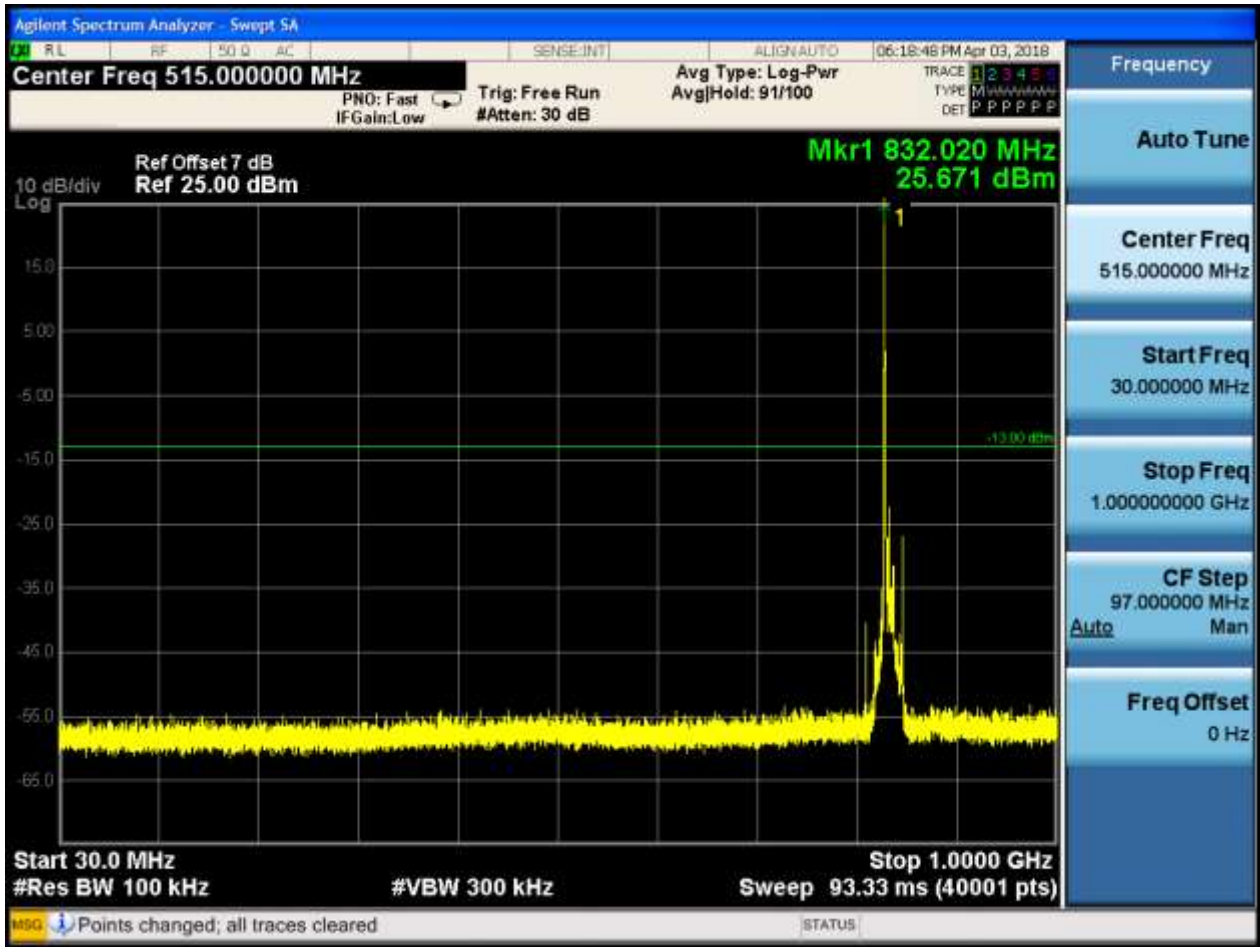


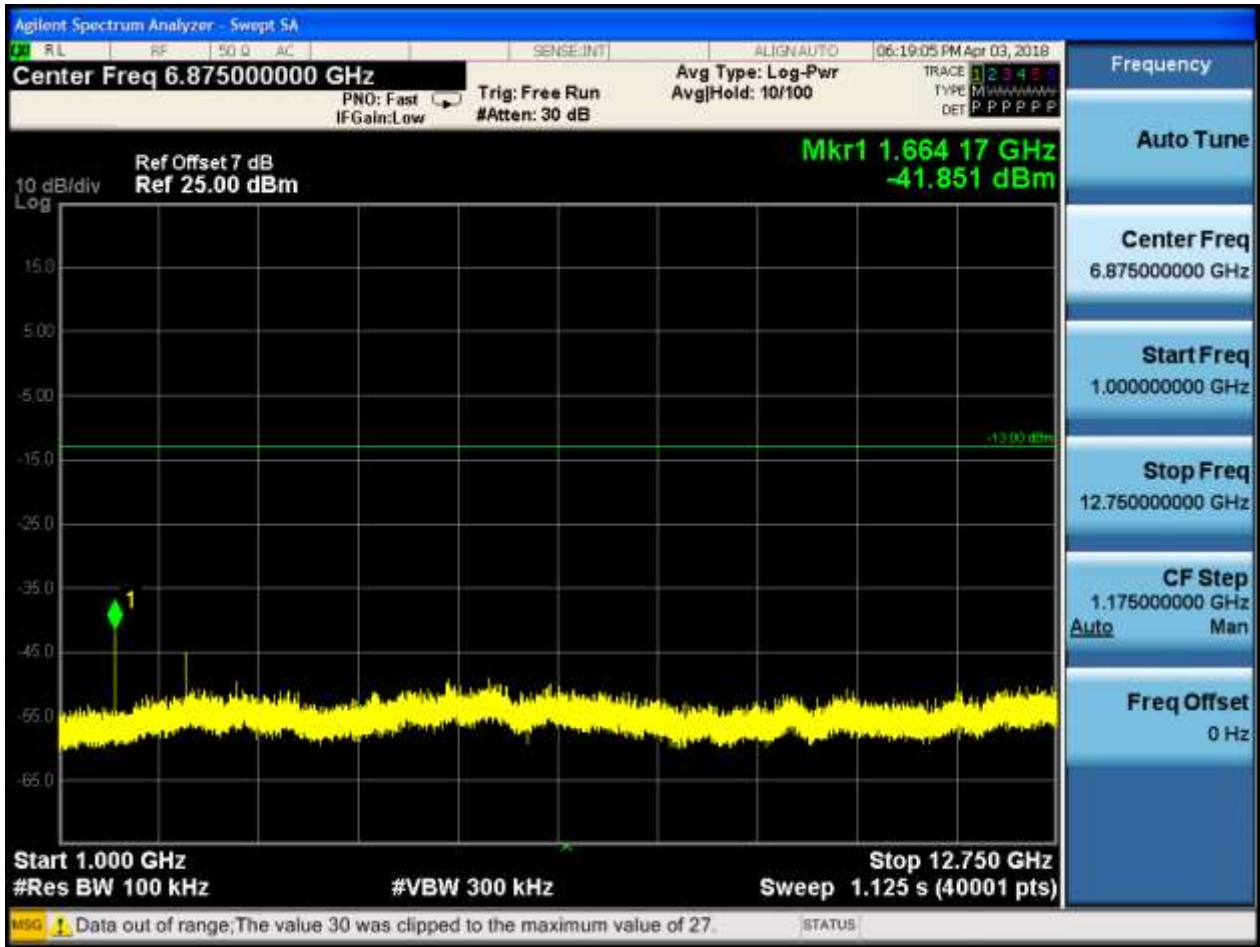
6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0





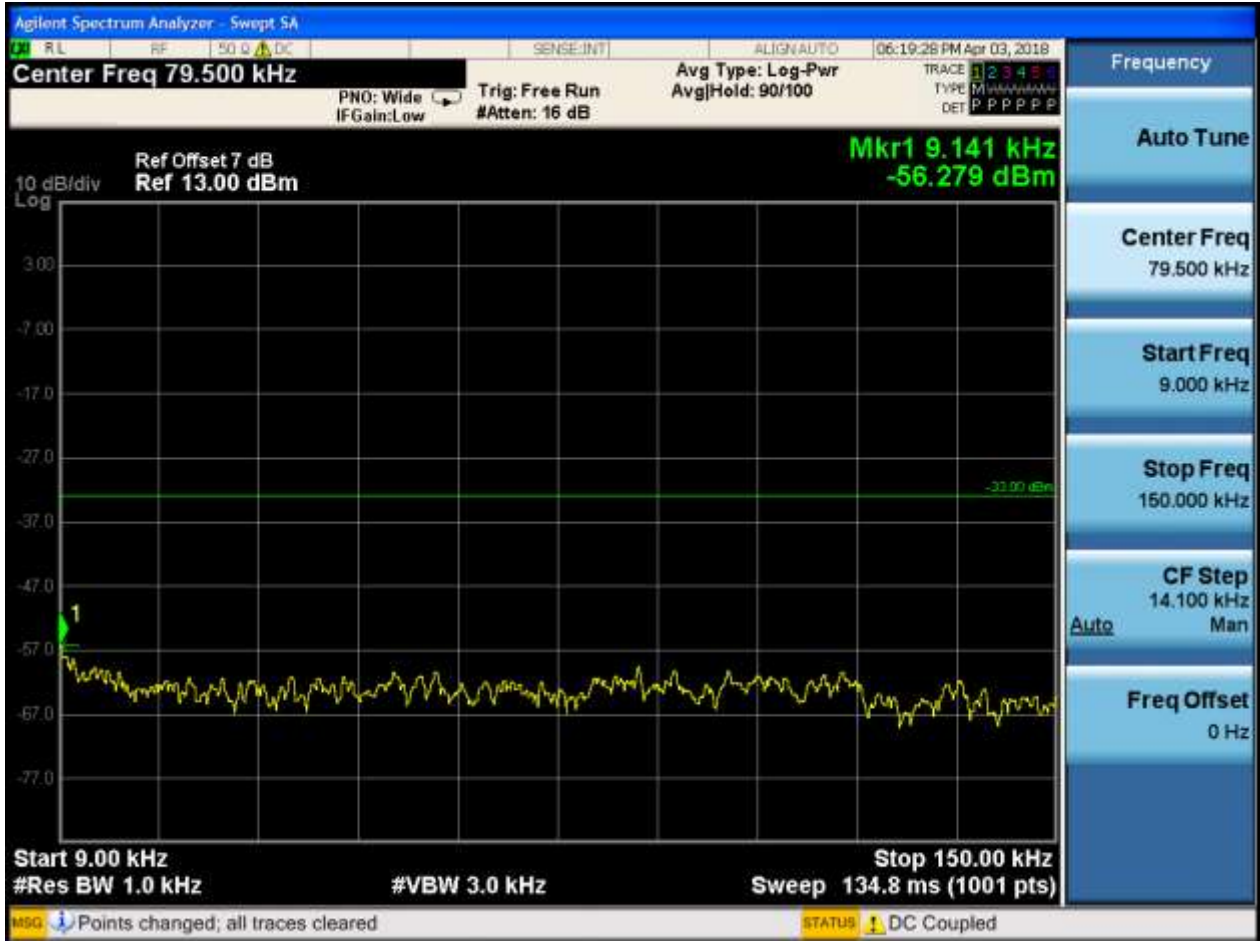




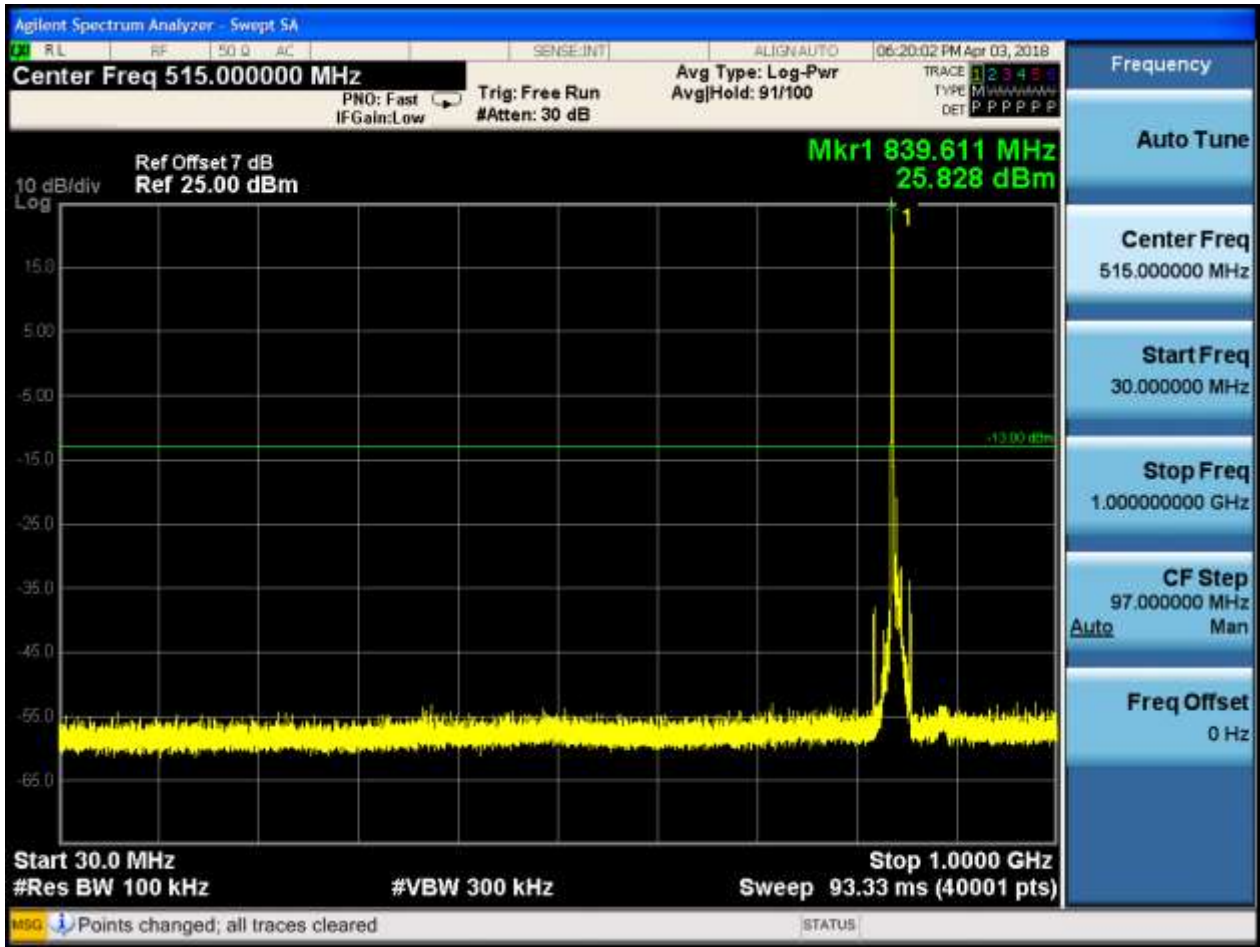


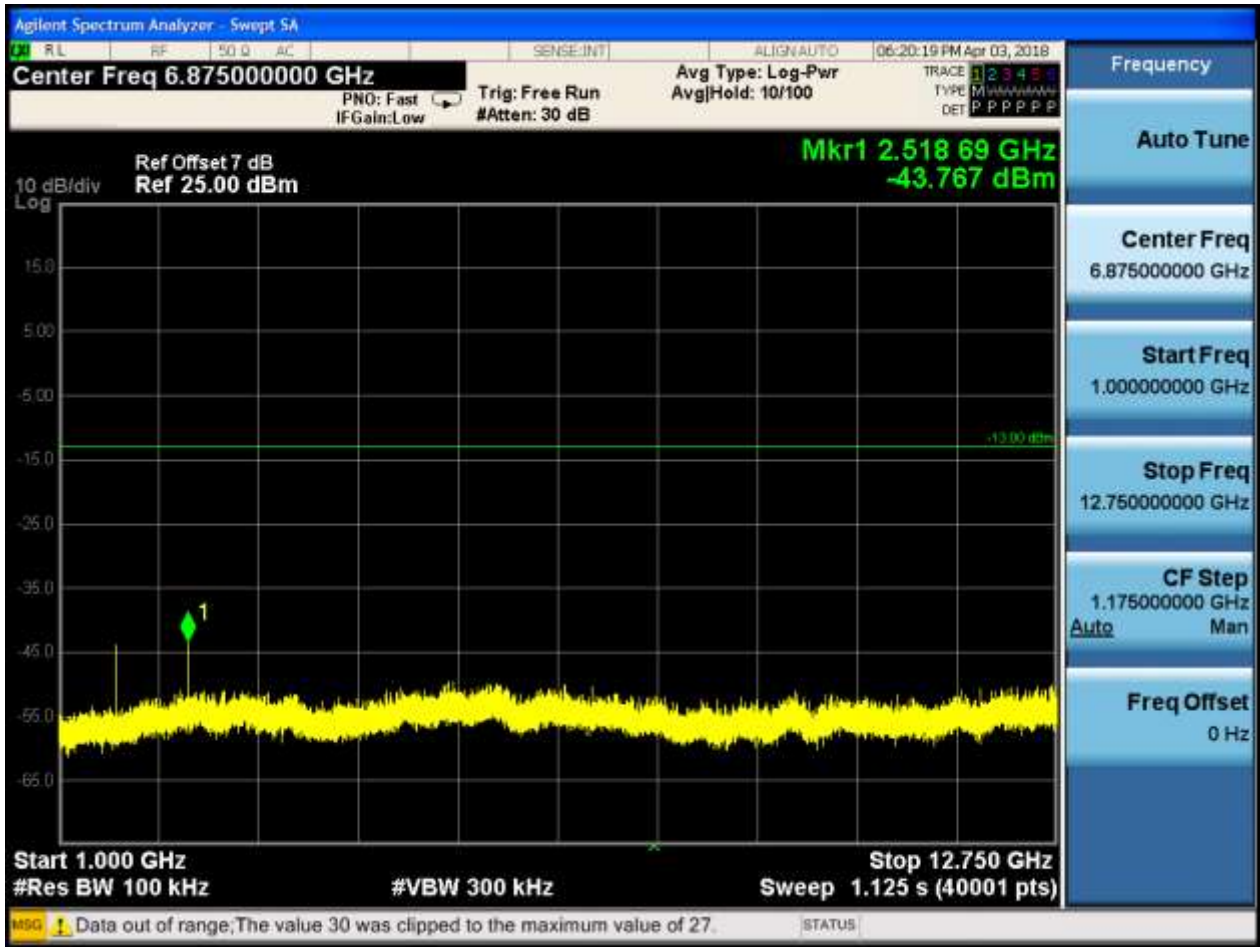
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









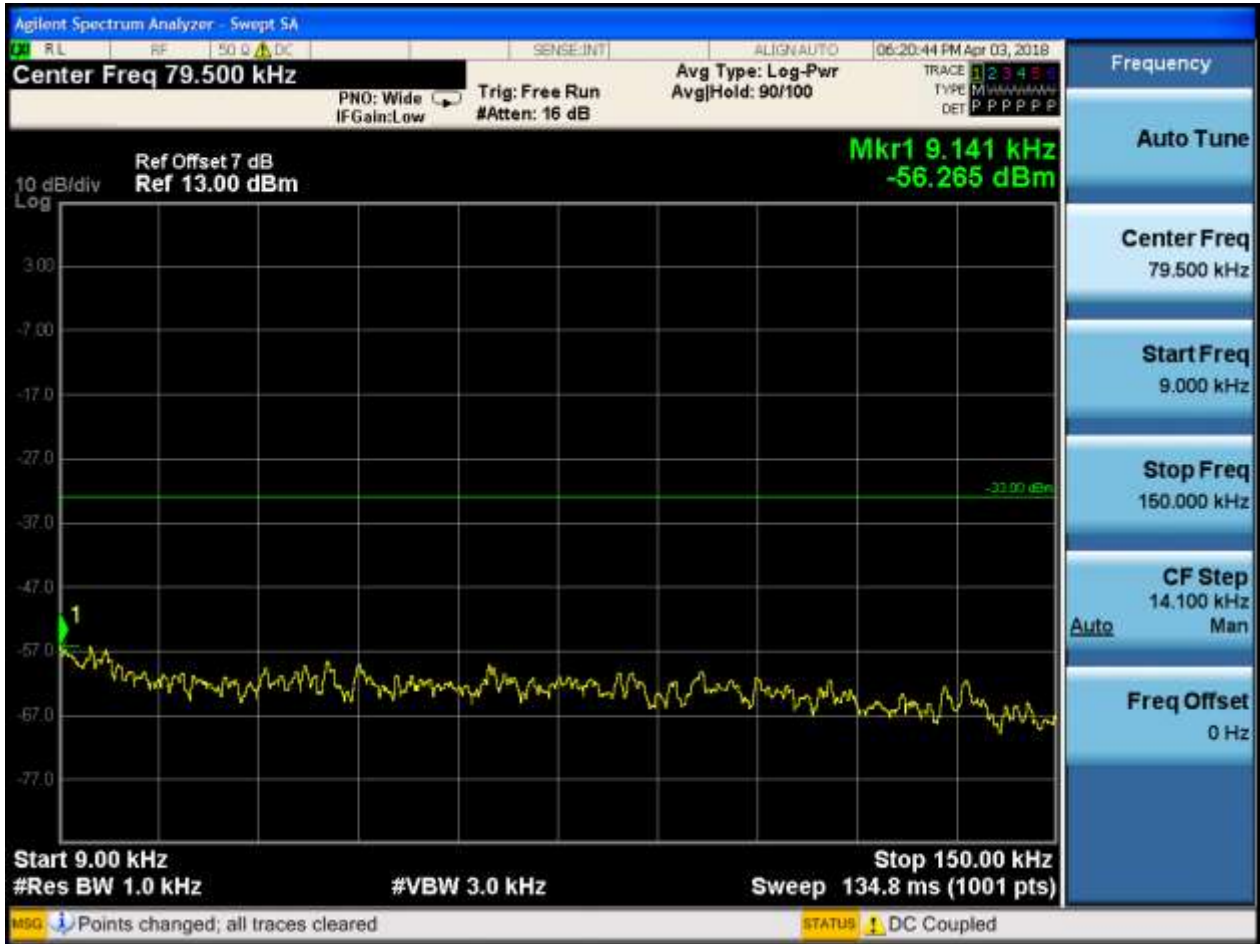


6.1.1.2 Test Mode = LTE/TM2

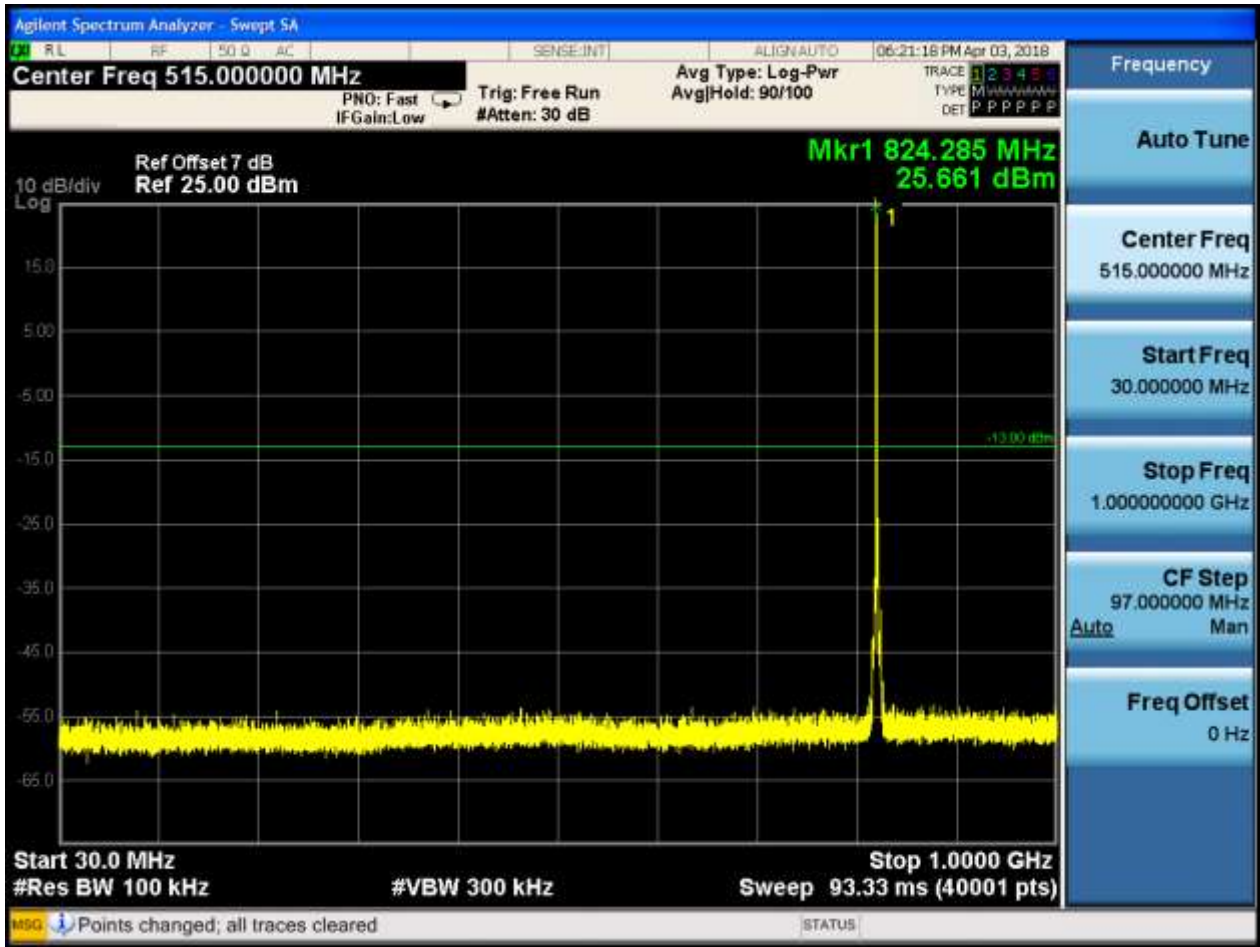
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





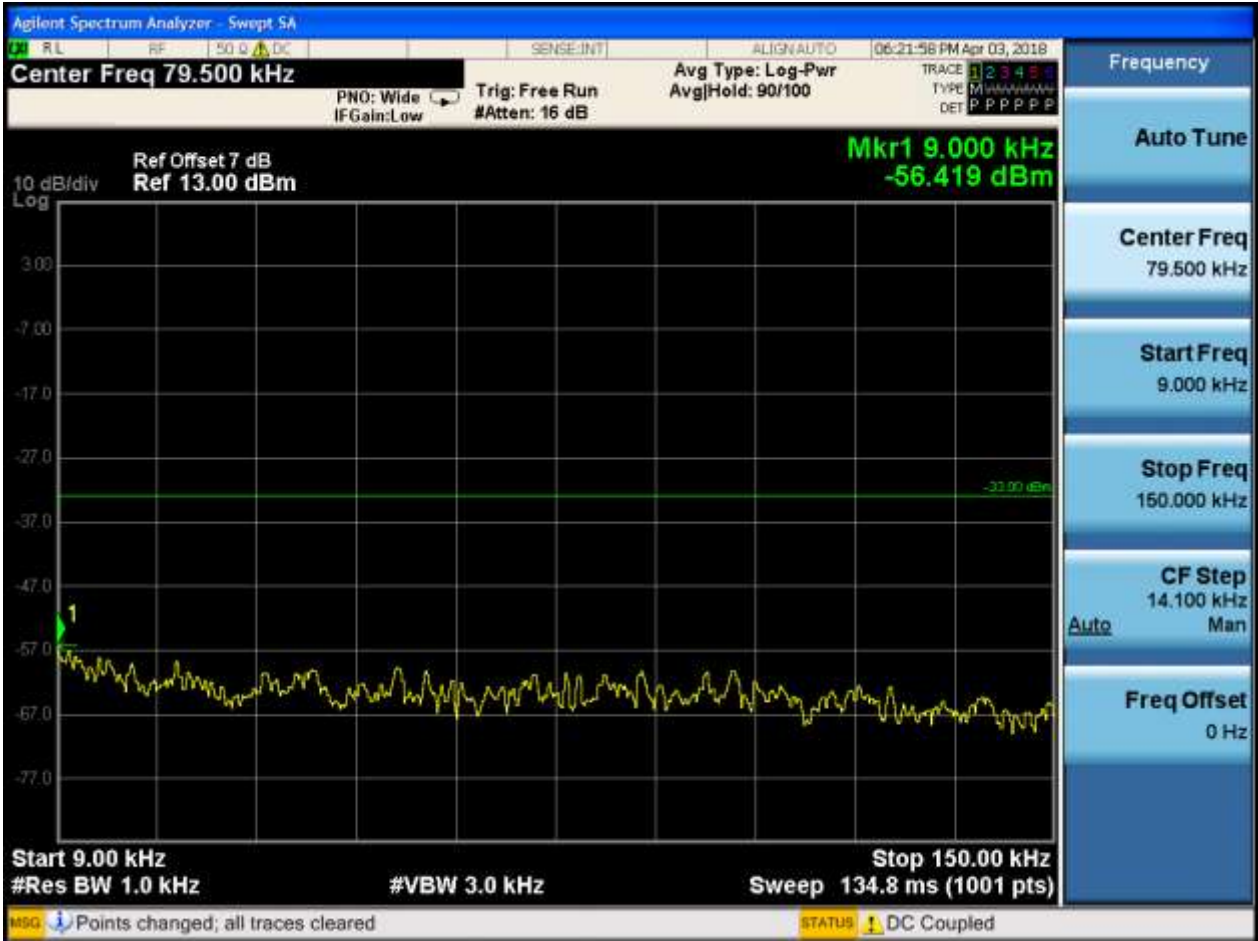




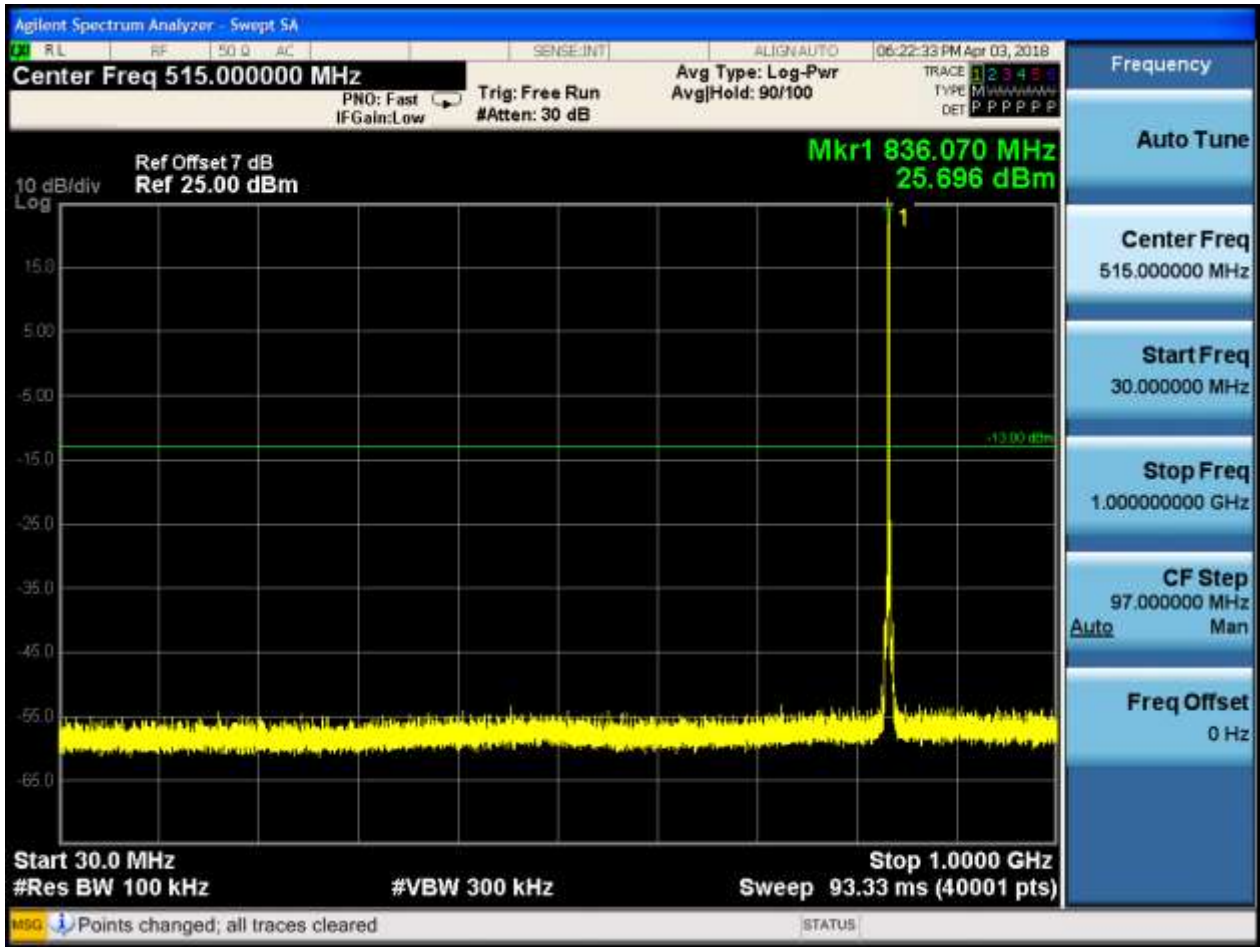


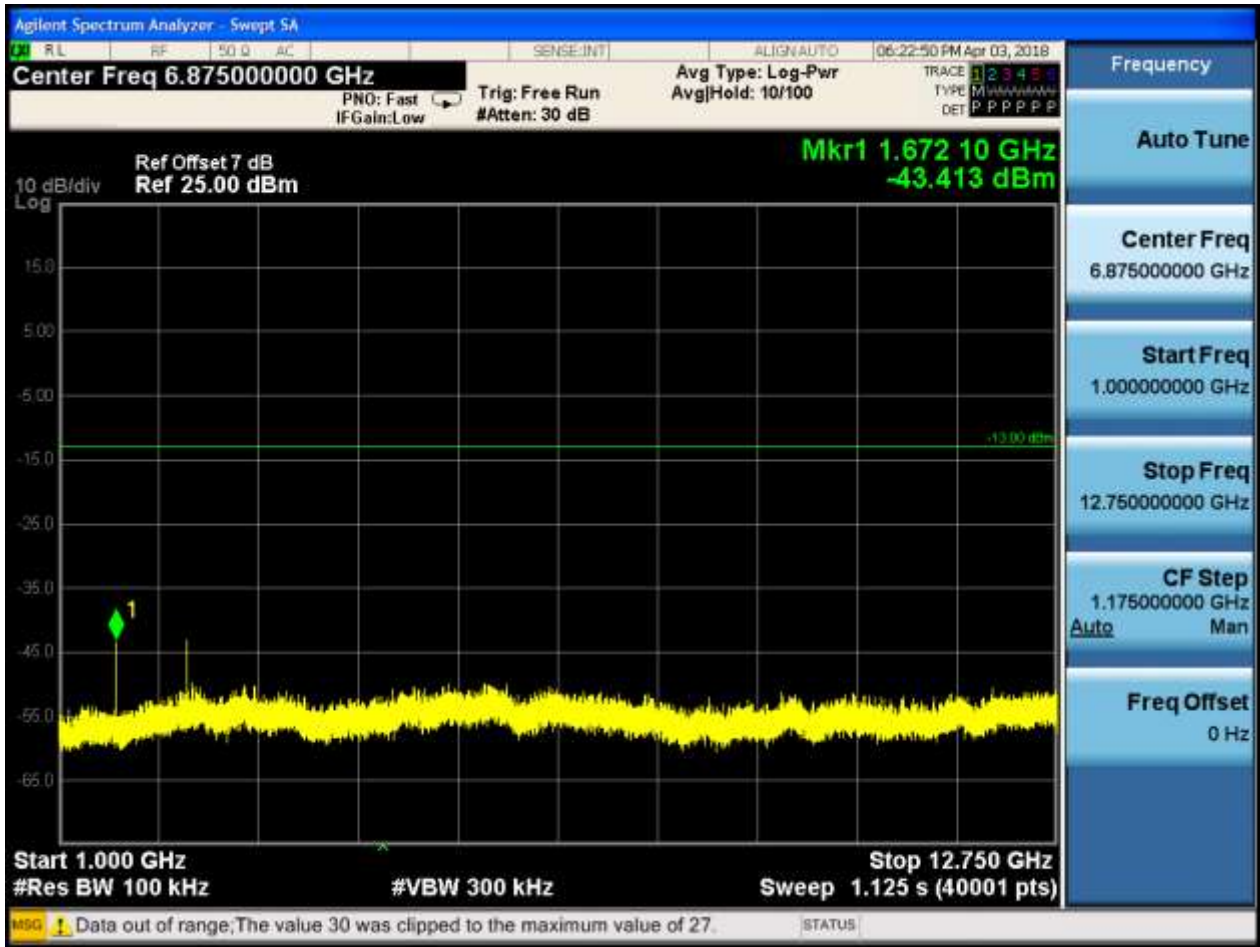
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



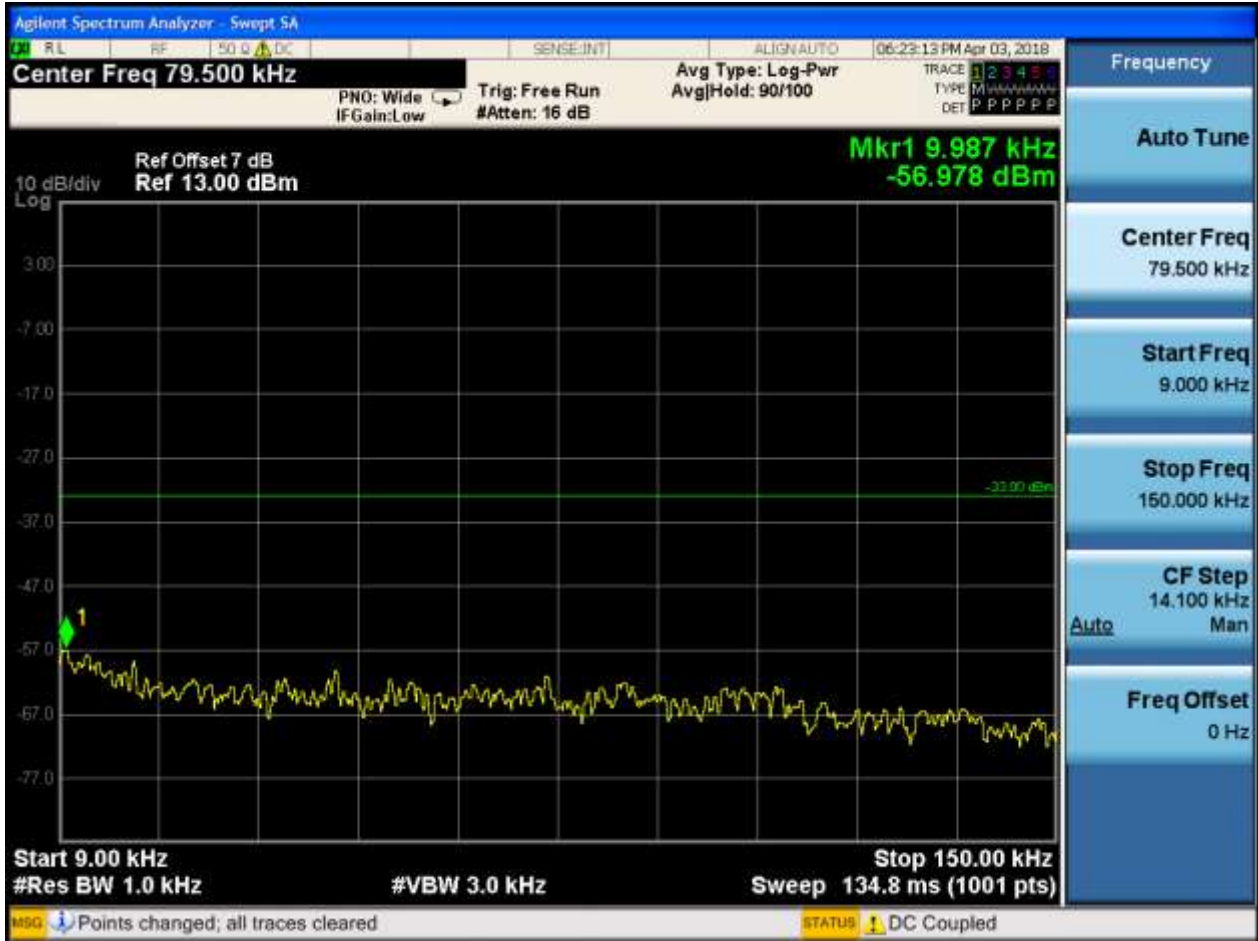




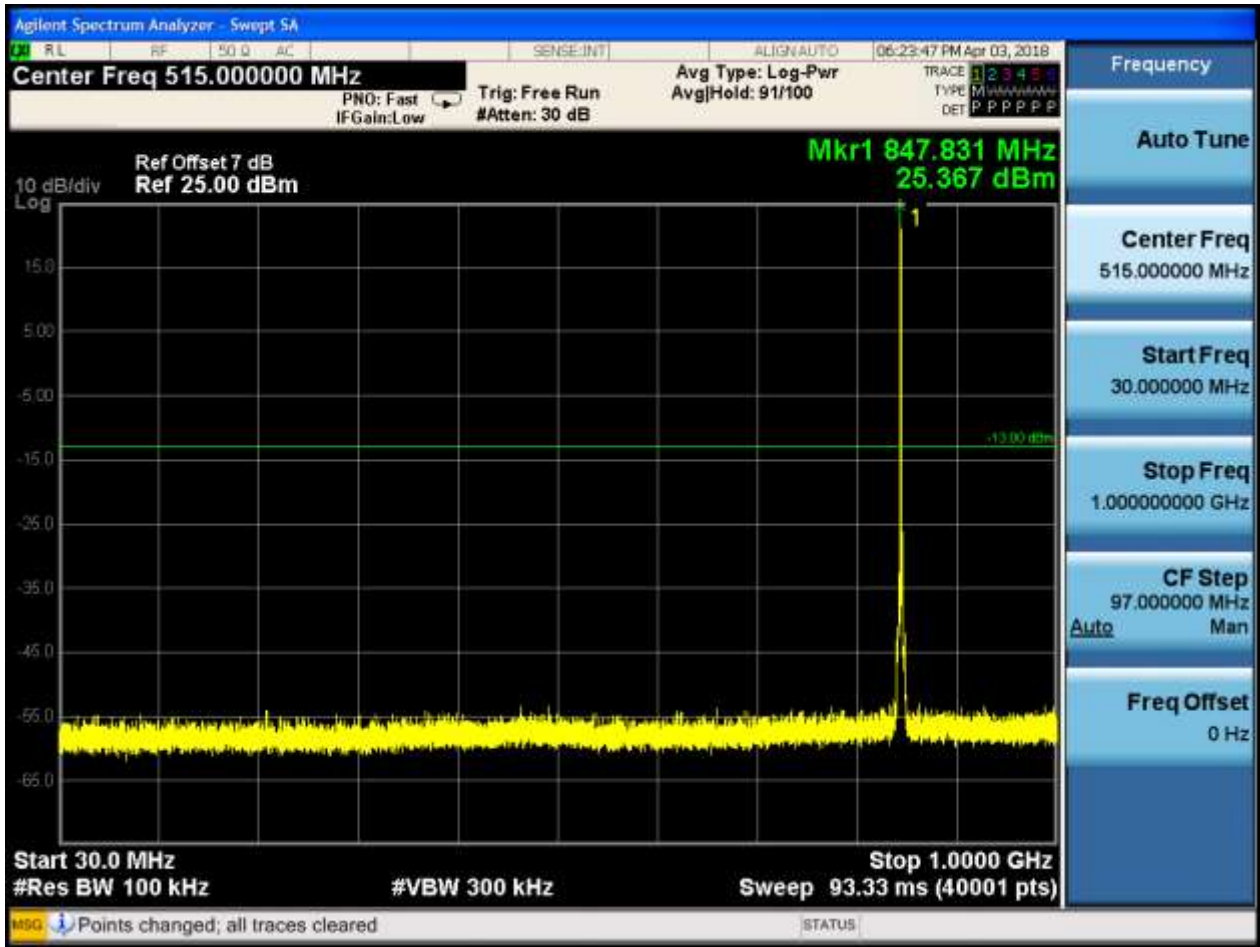


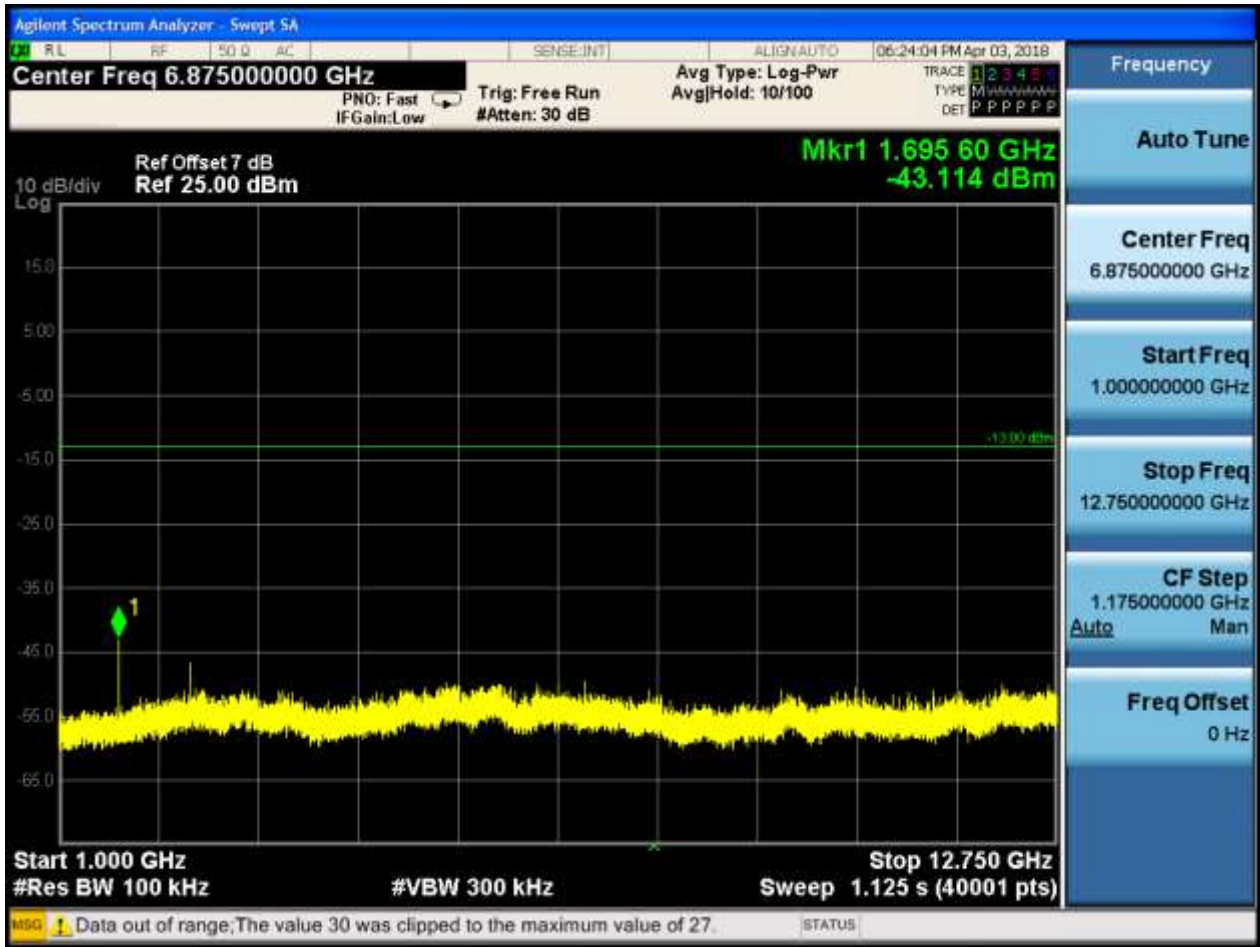
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0











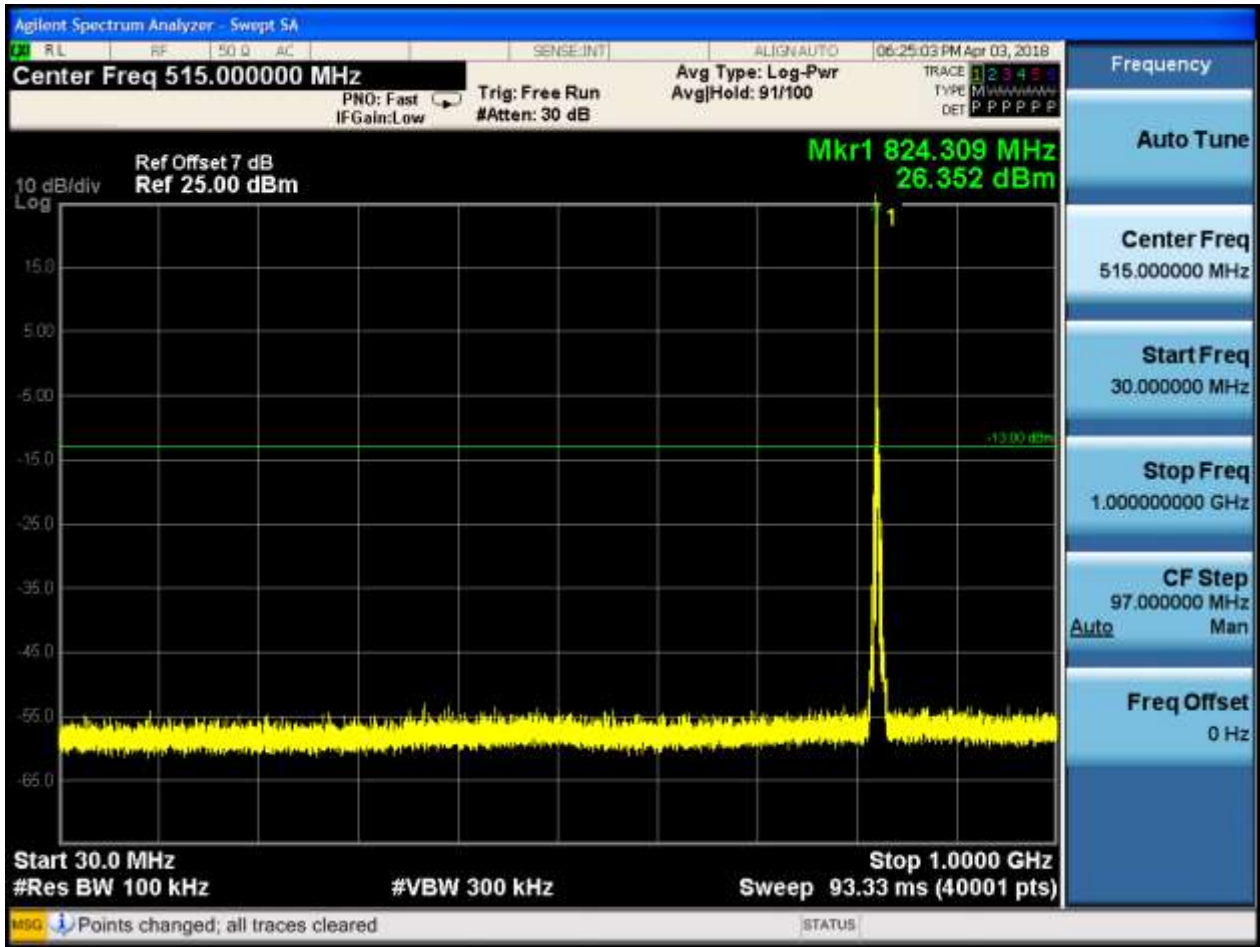
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0









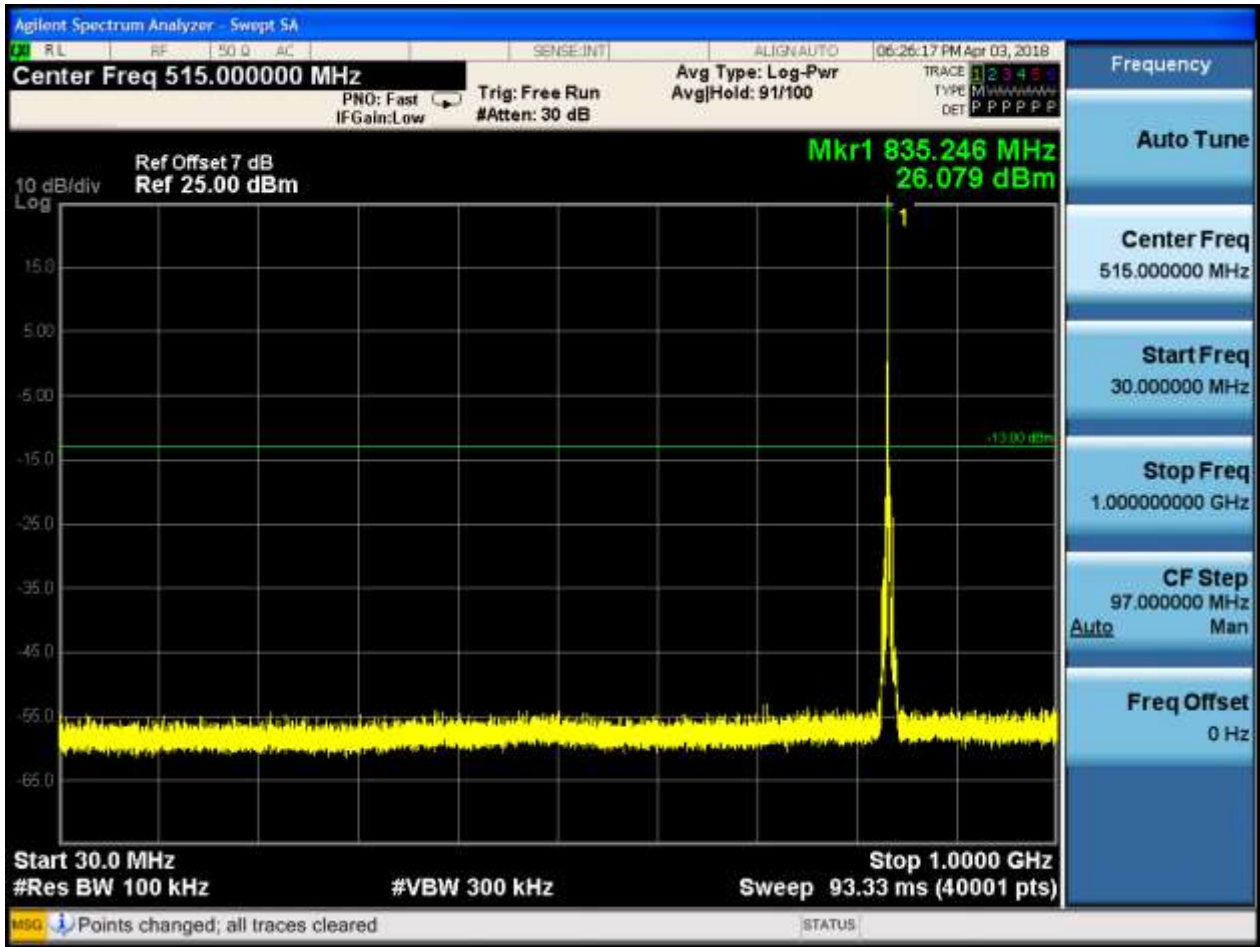


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0





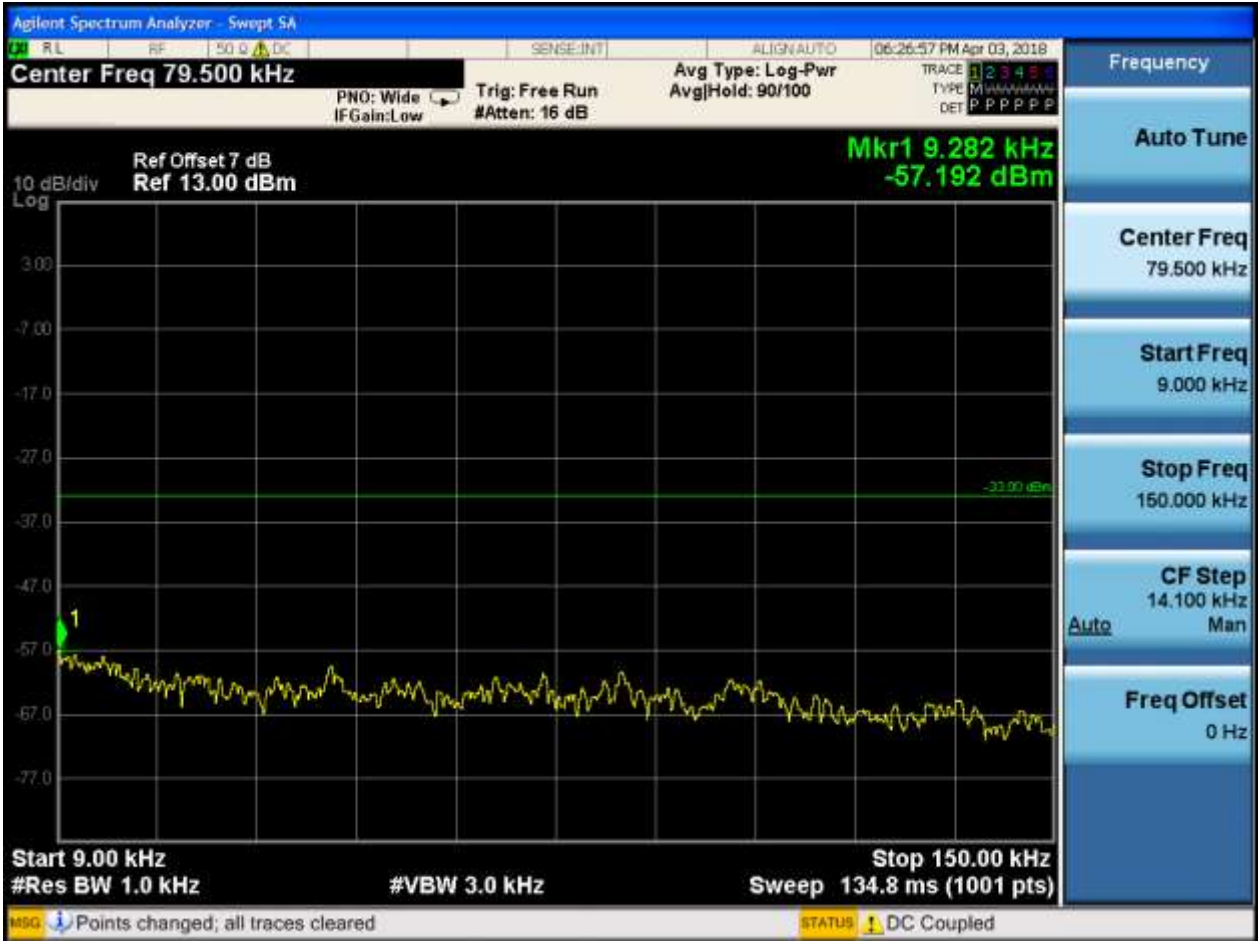




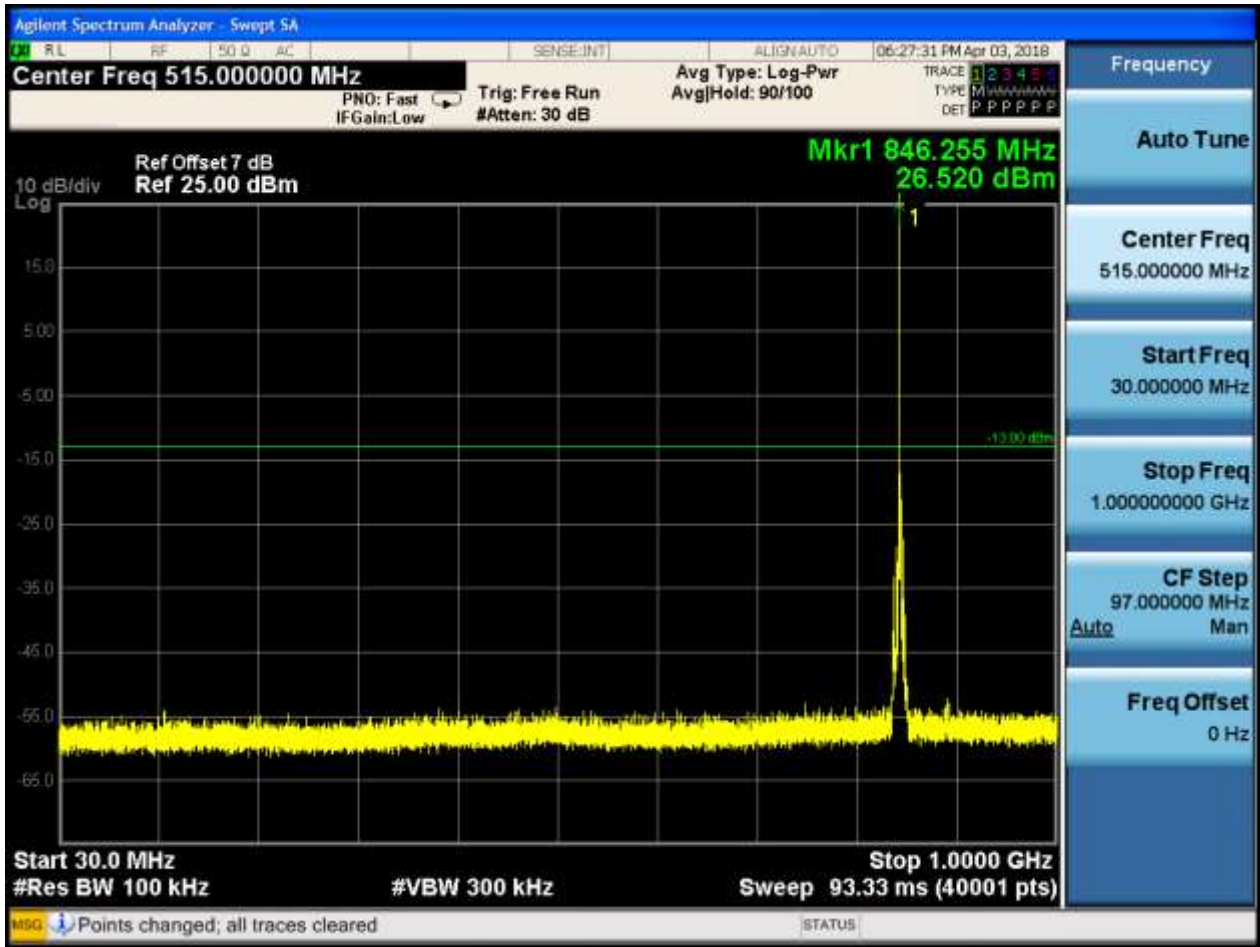


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0









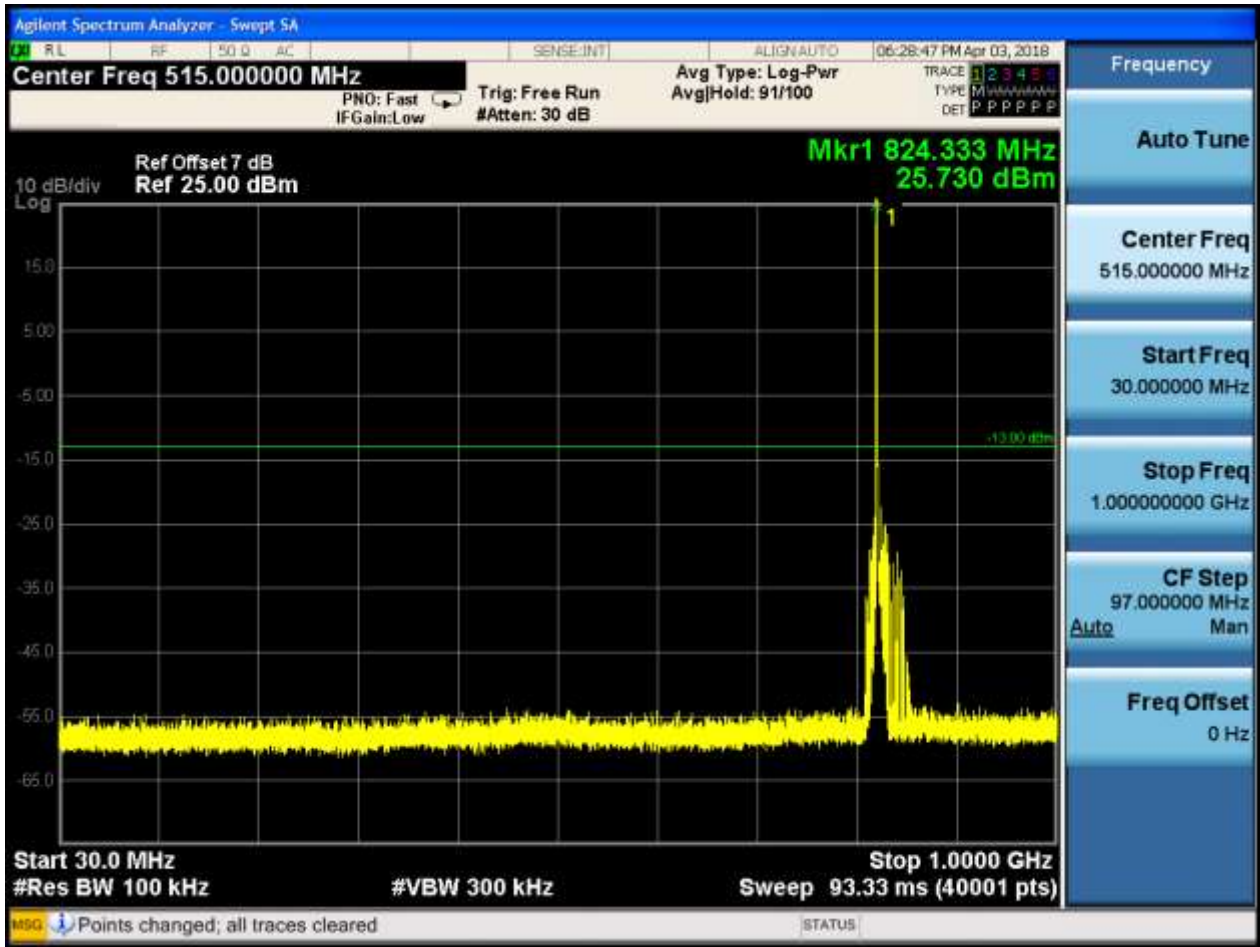
6.1.1.2.3 Test Bandwidth = 5

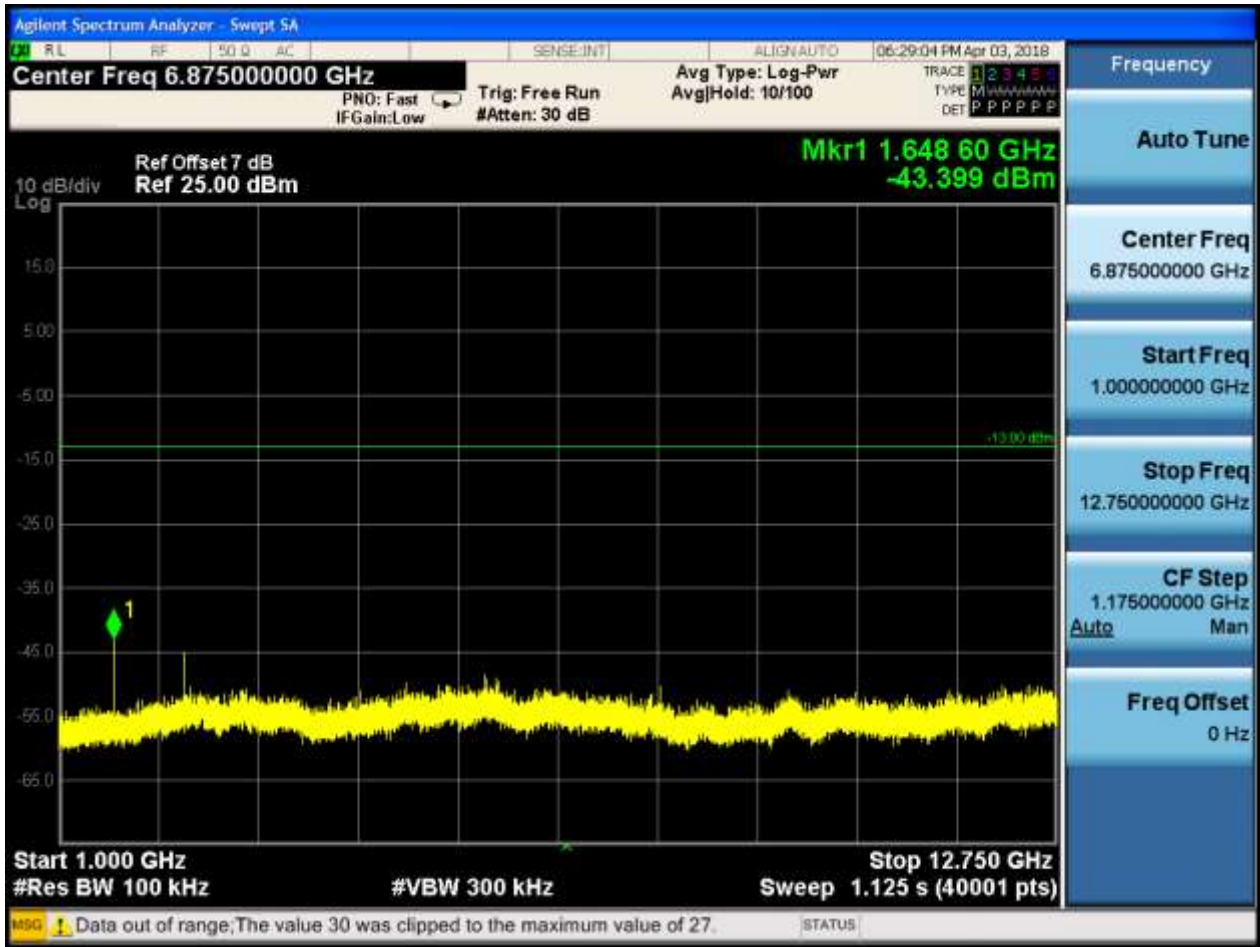
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





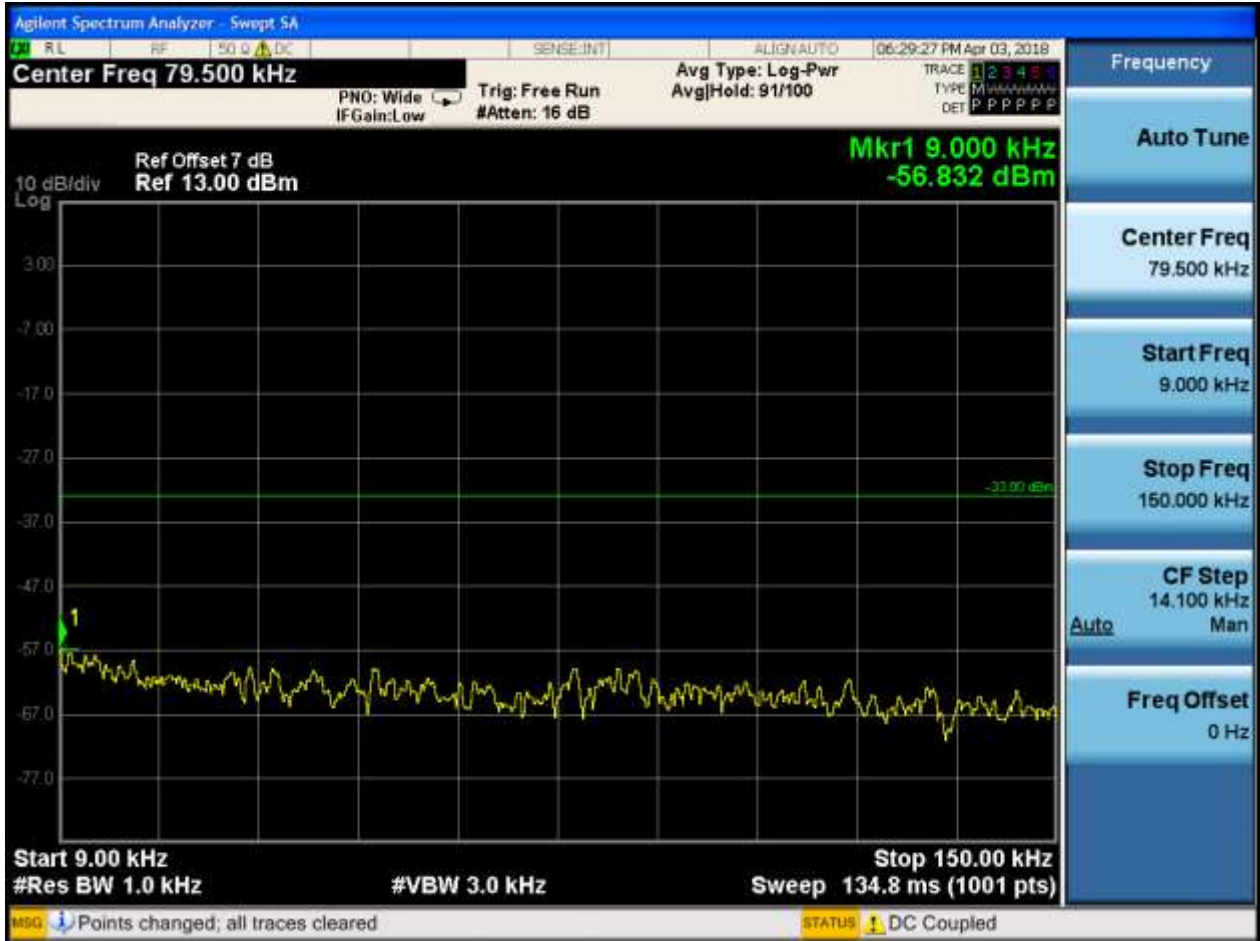




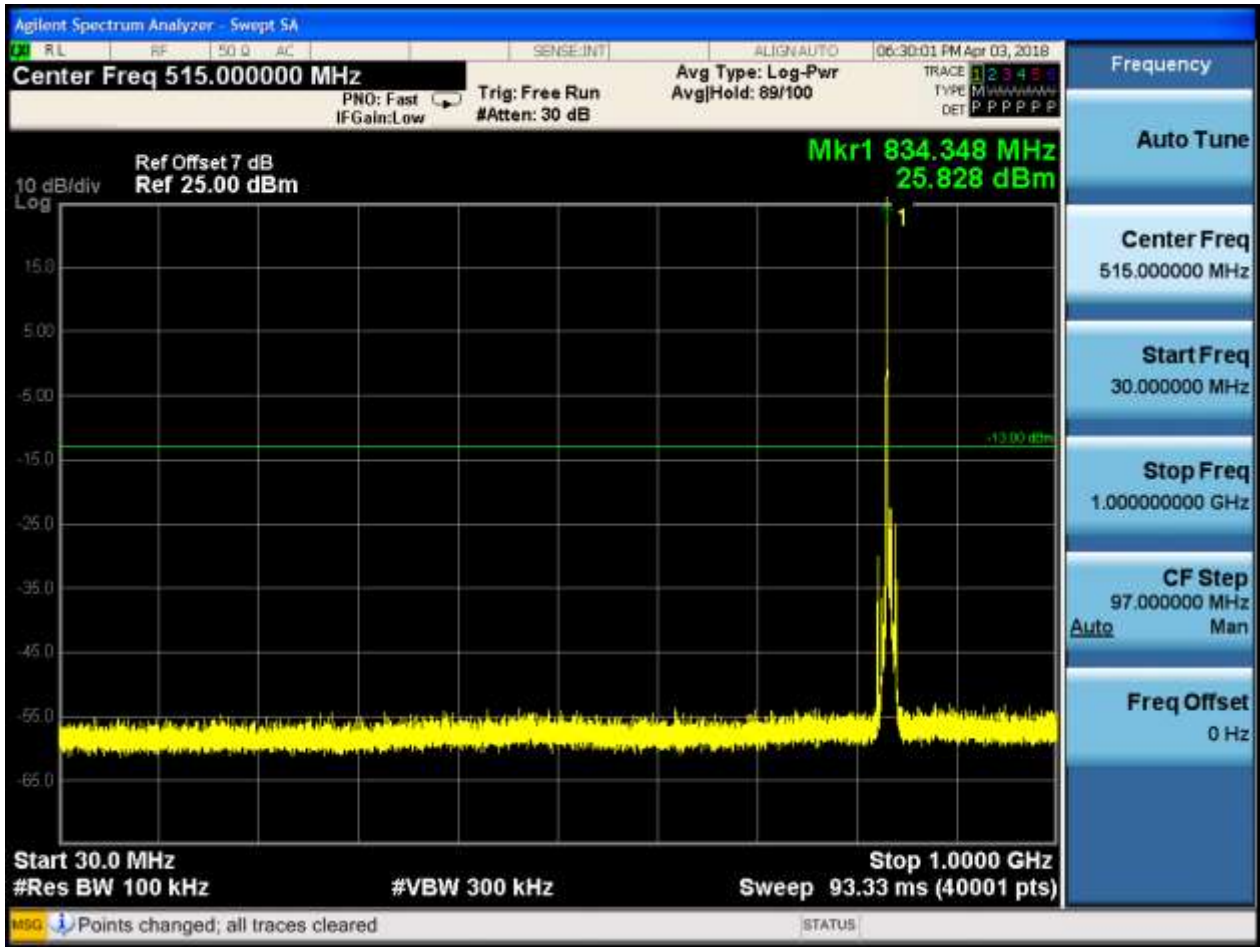


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





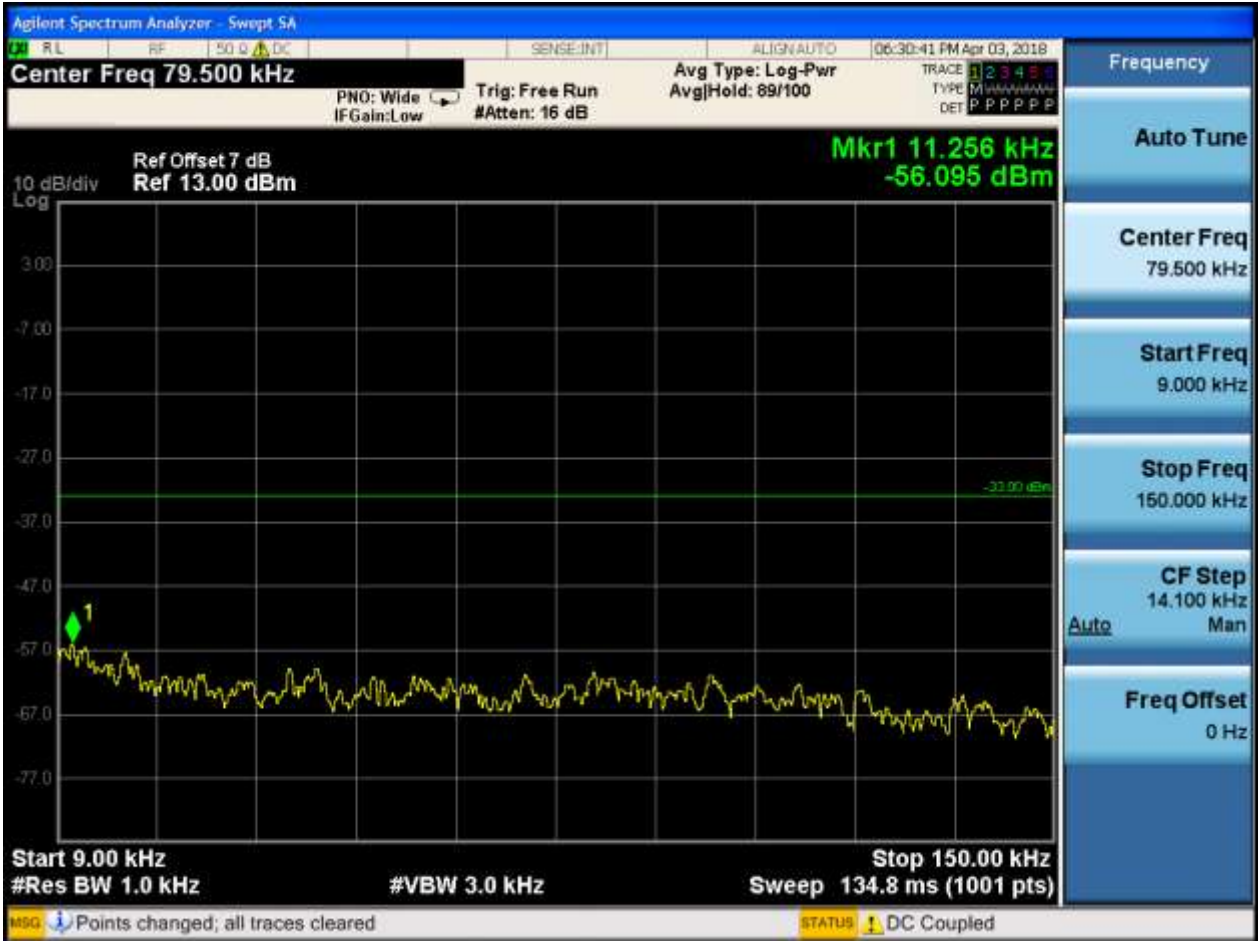




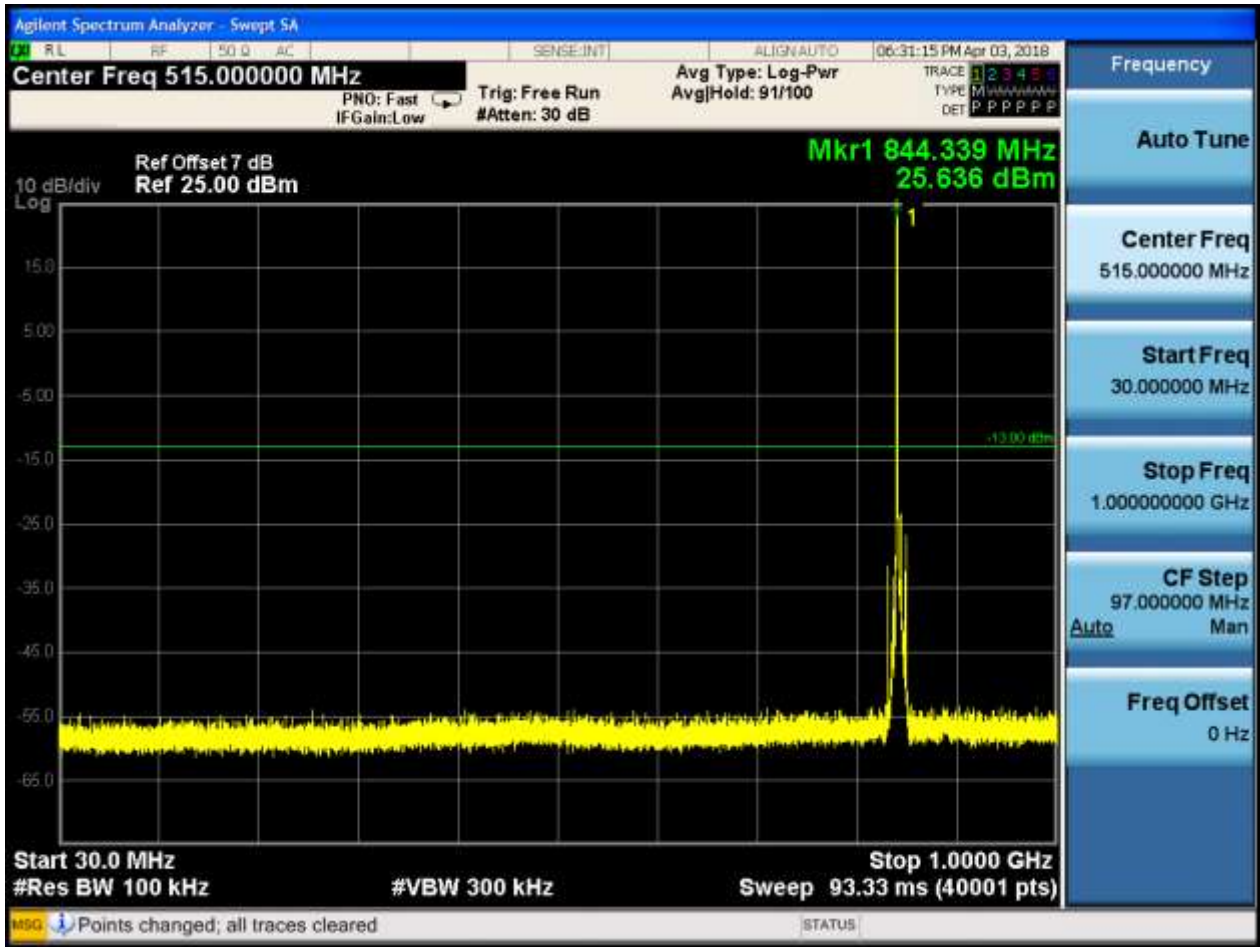


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







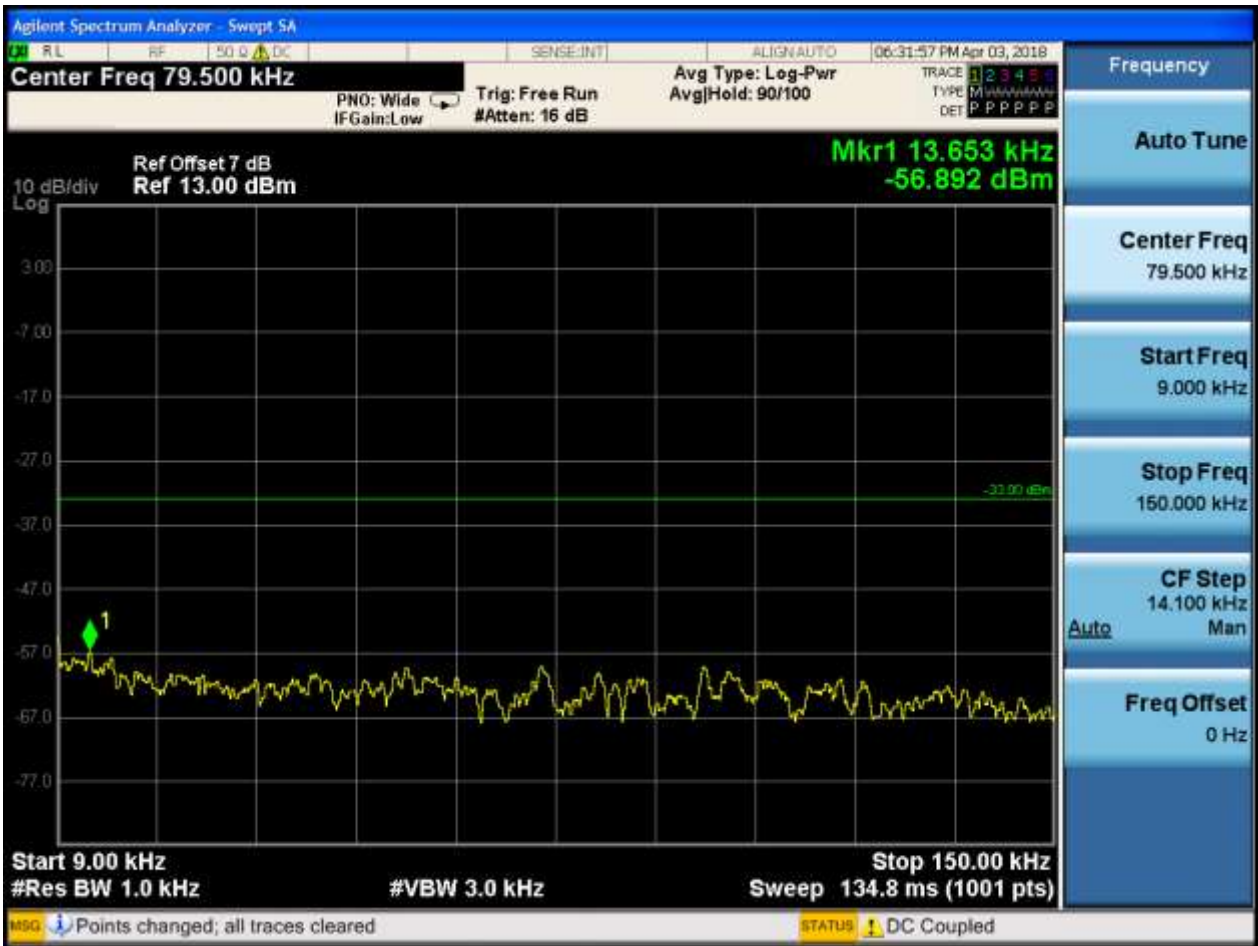




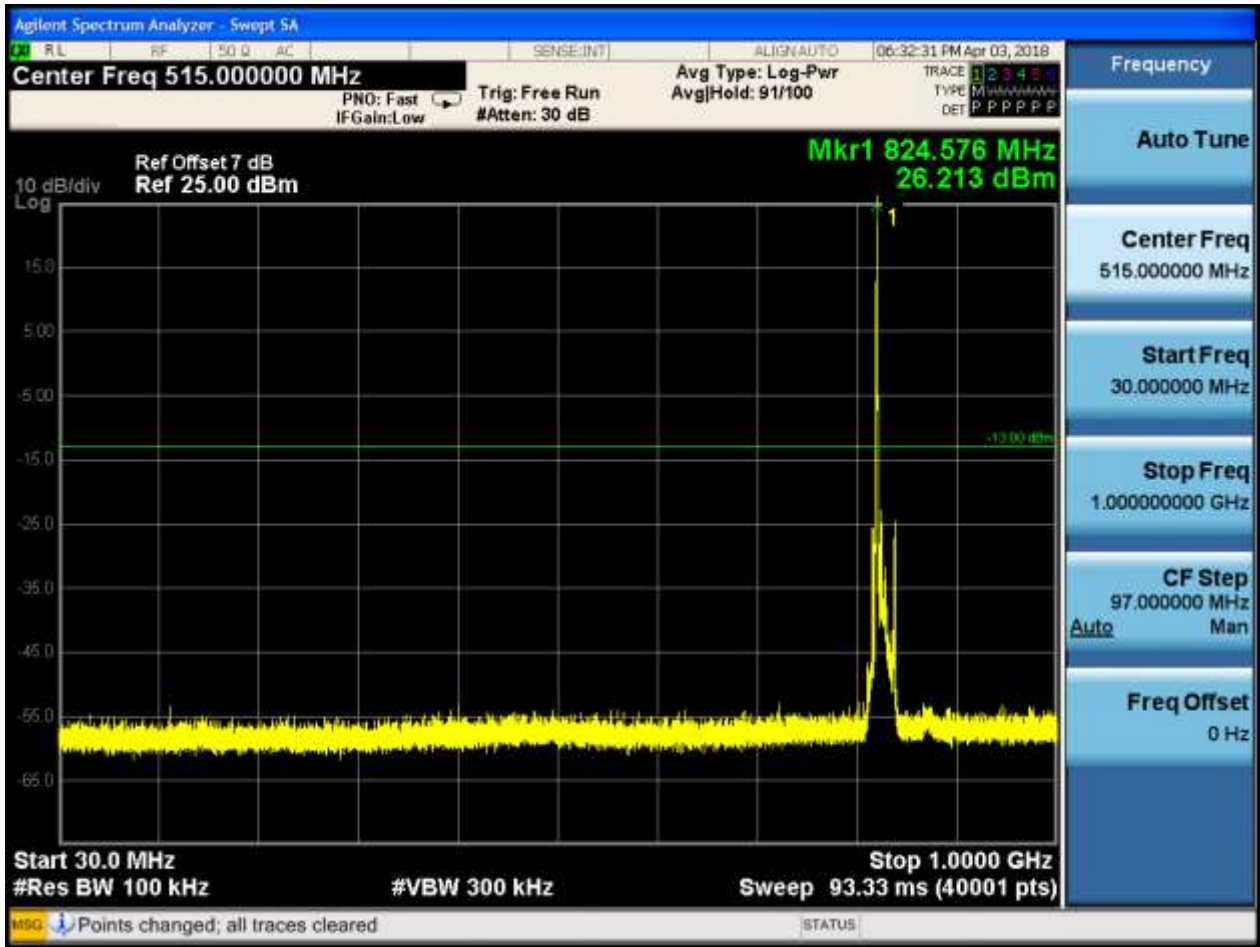
6.1.1.2.4 Test Bandwidth = 10

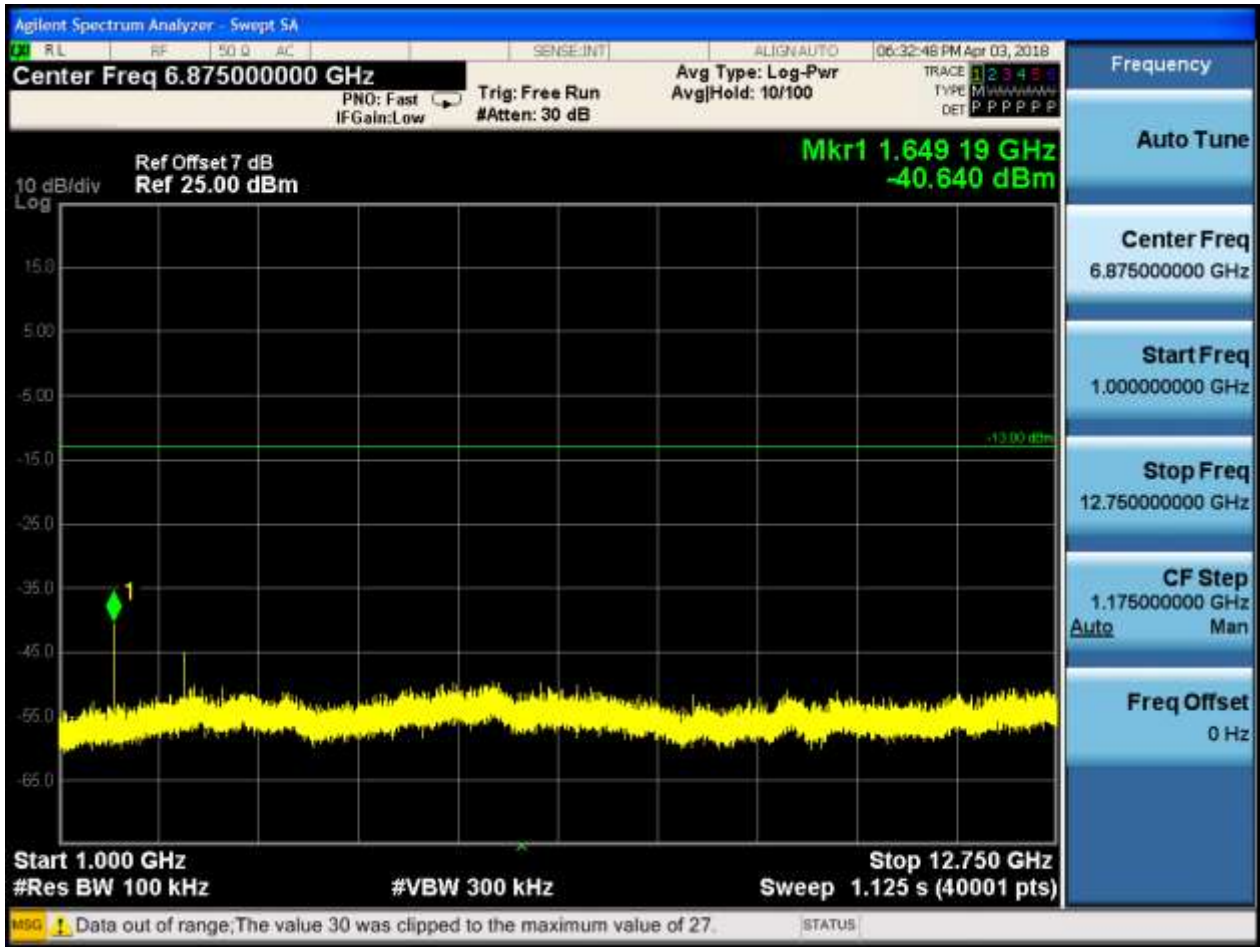
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0









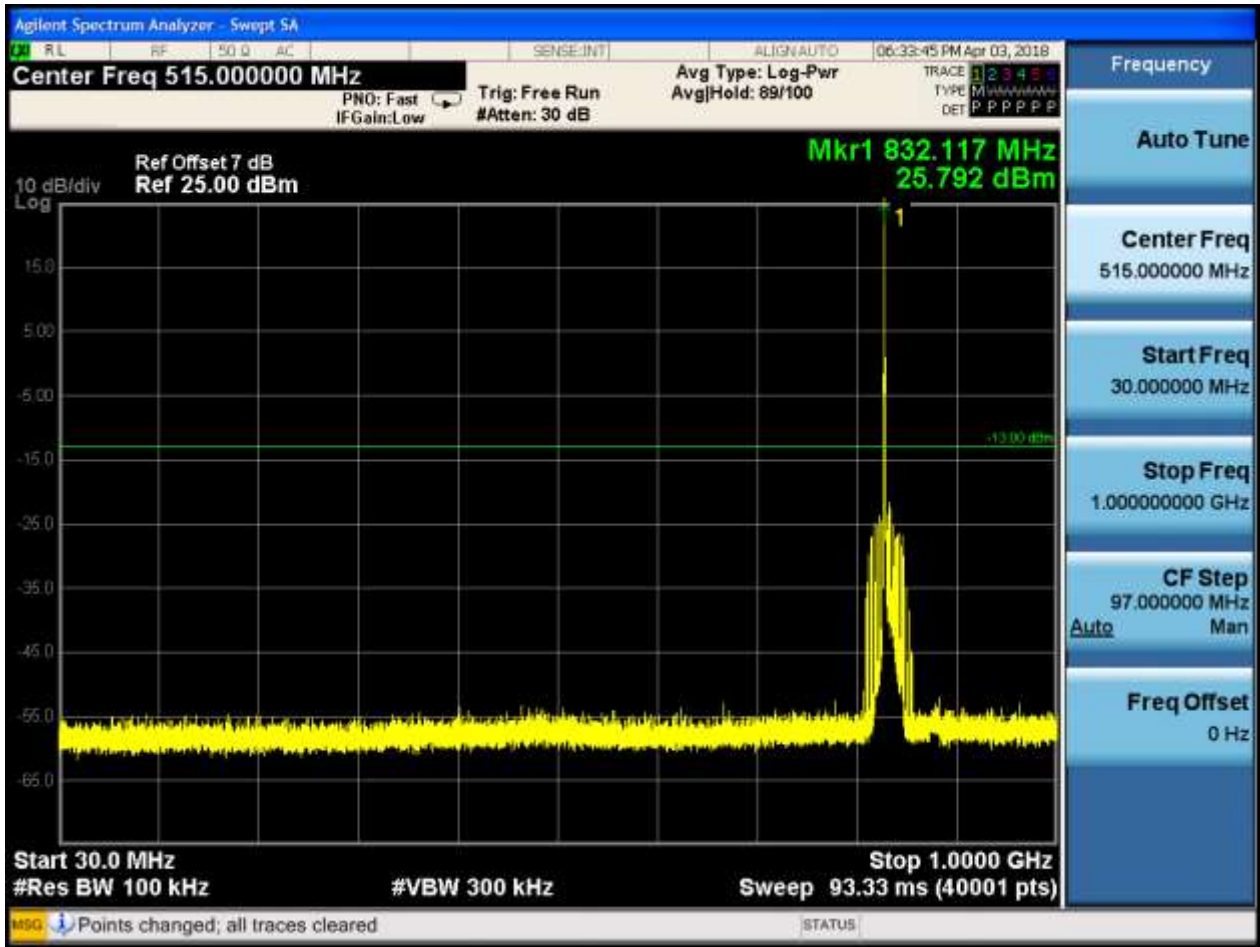


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0









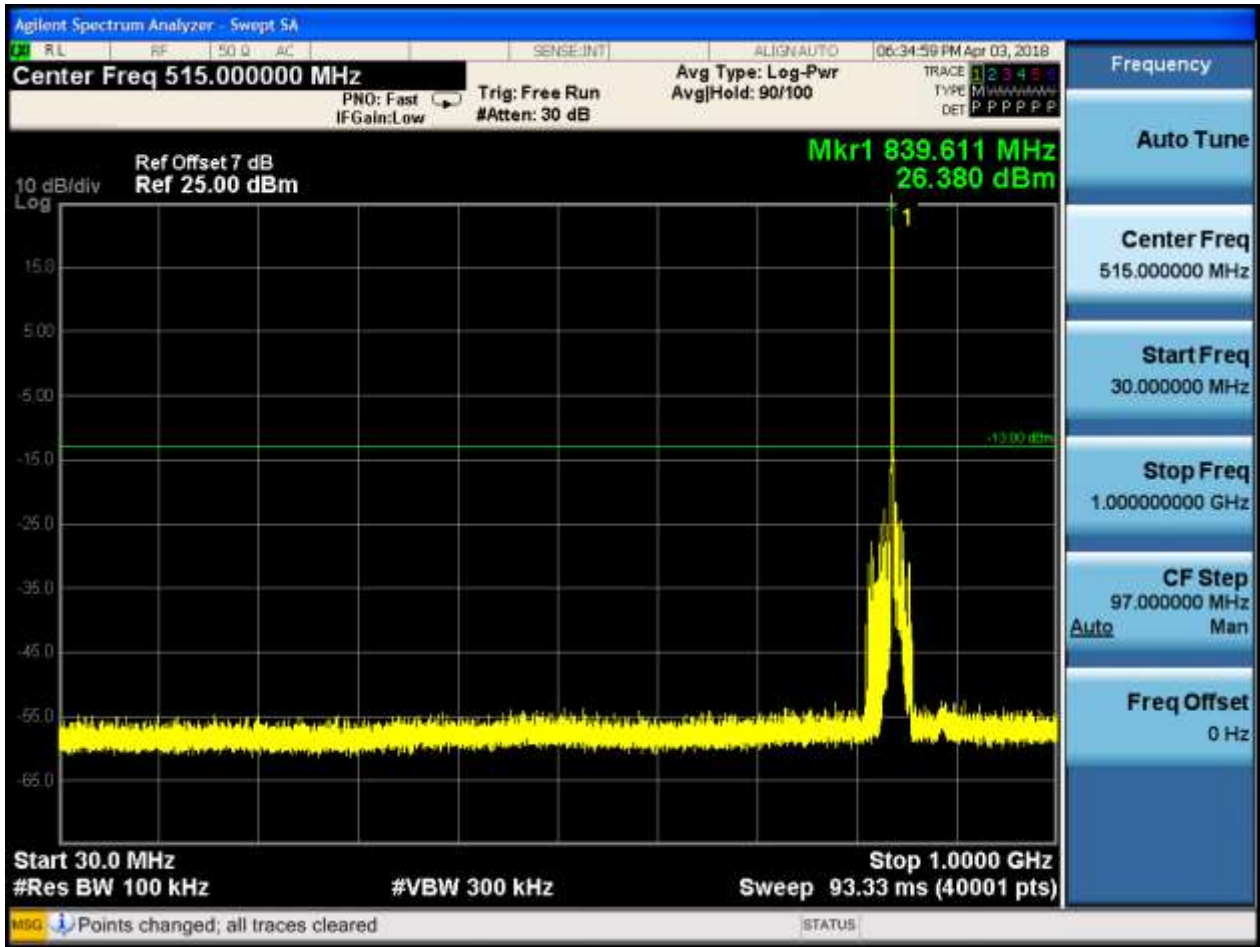


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0











7Appendix_G: 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

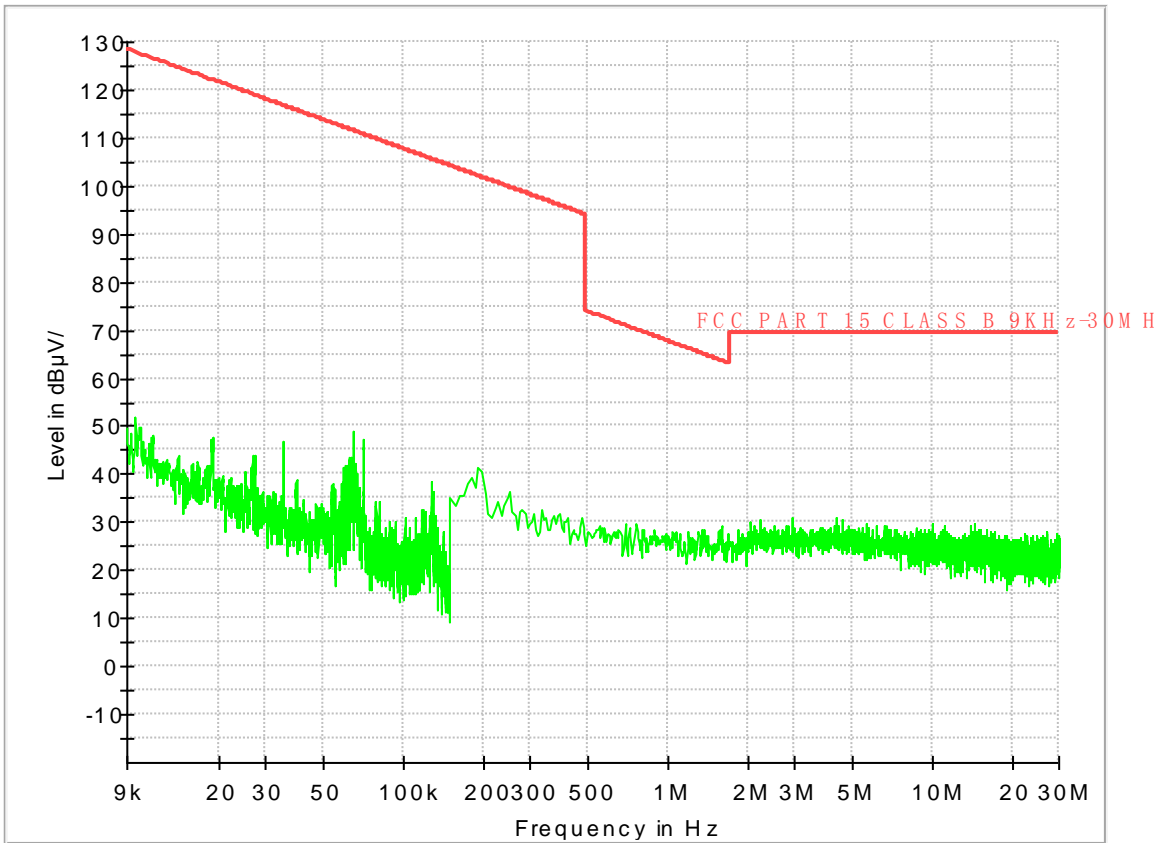
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

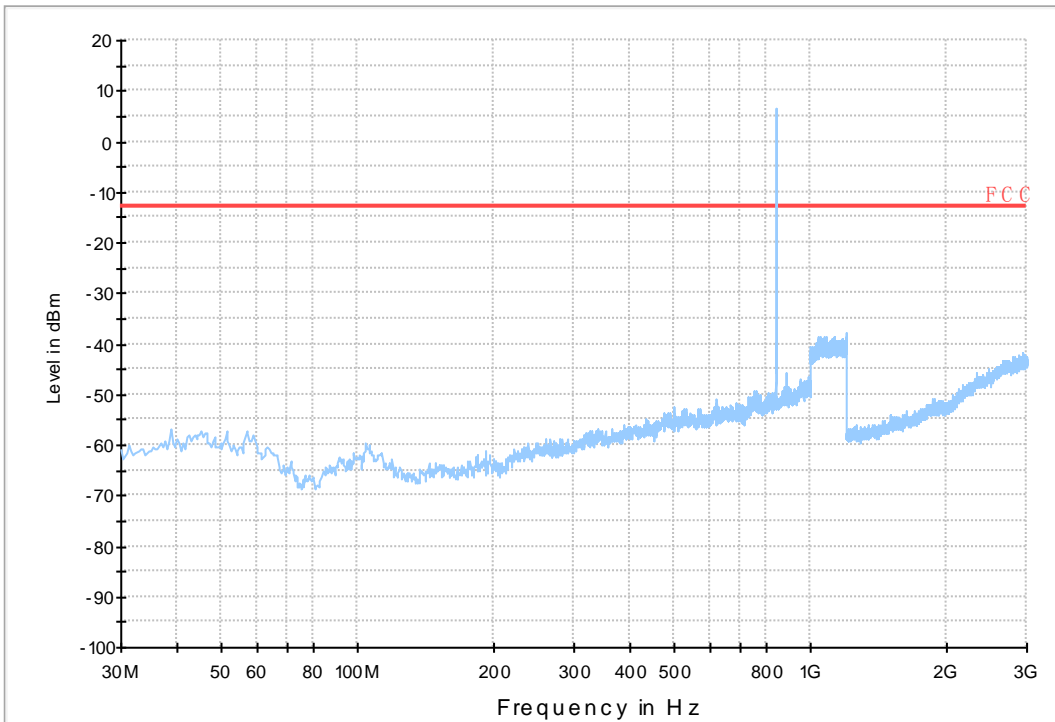
7.1 For LTE

7.1.1 Test Band = BAND5

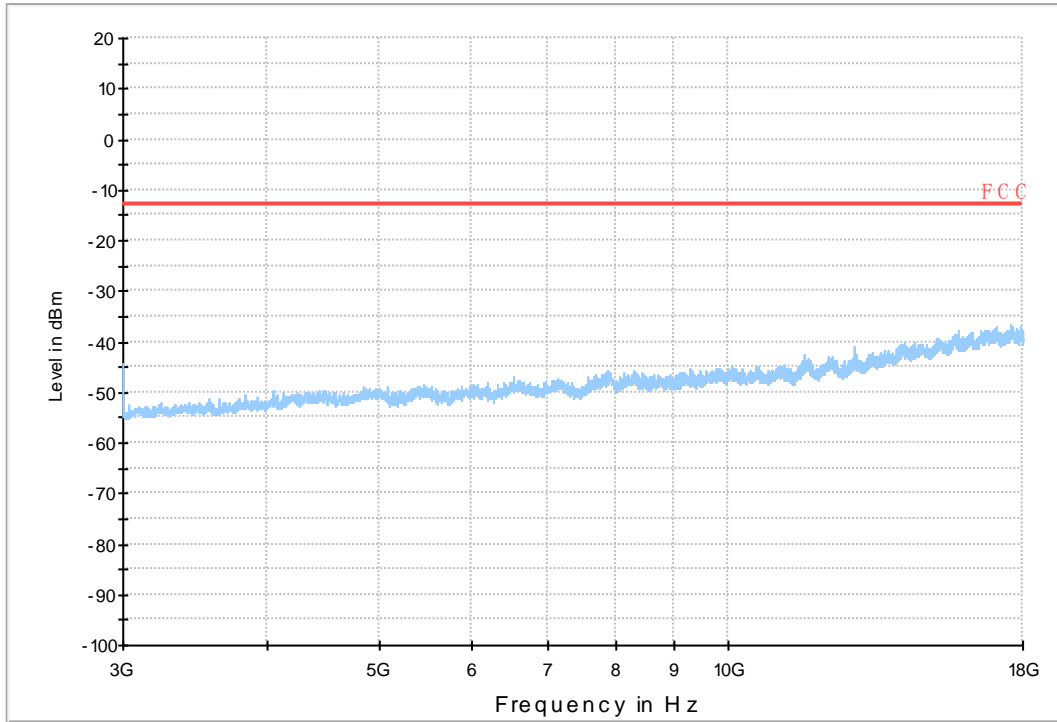
7.1.1.1 Test Bandwidth = 1.4



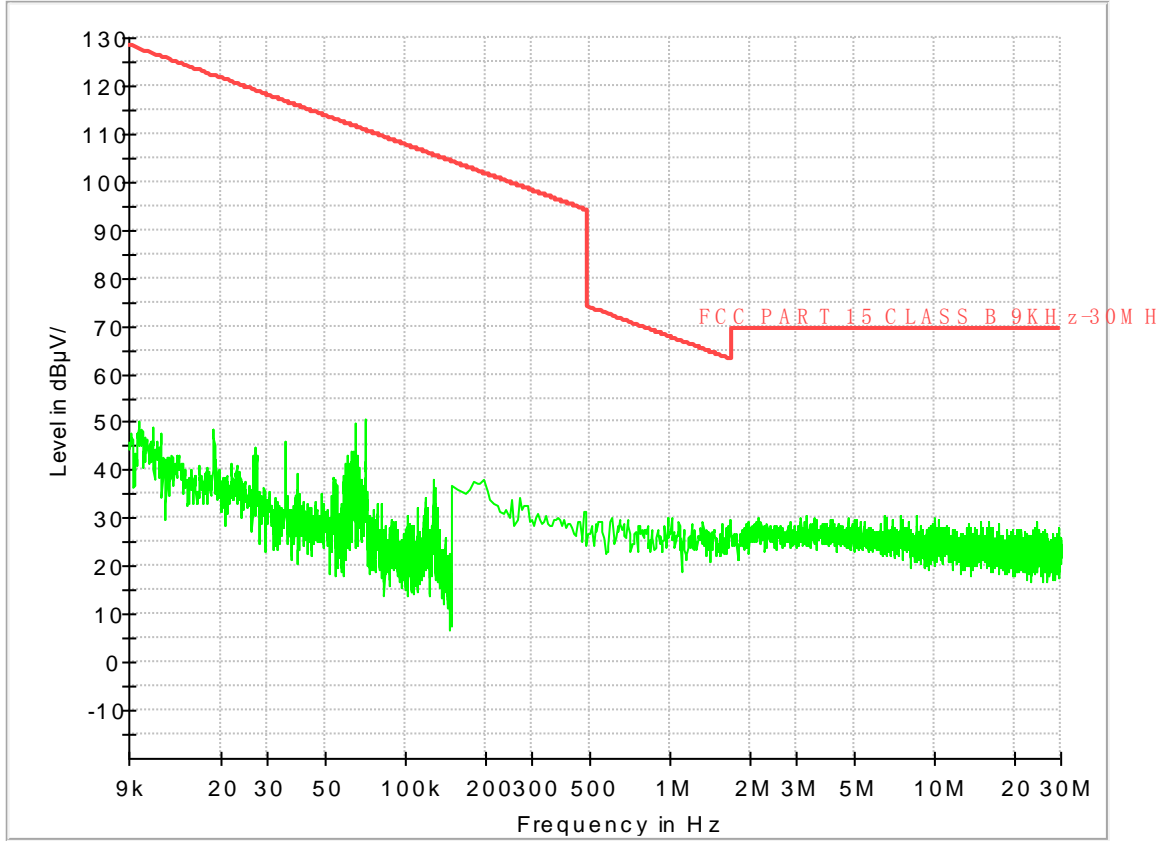
Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H

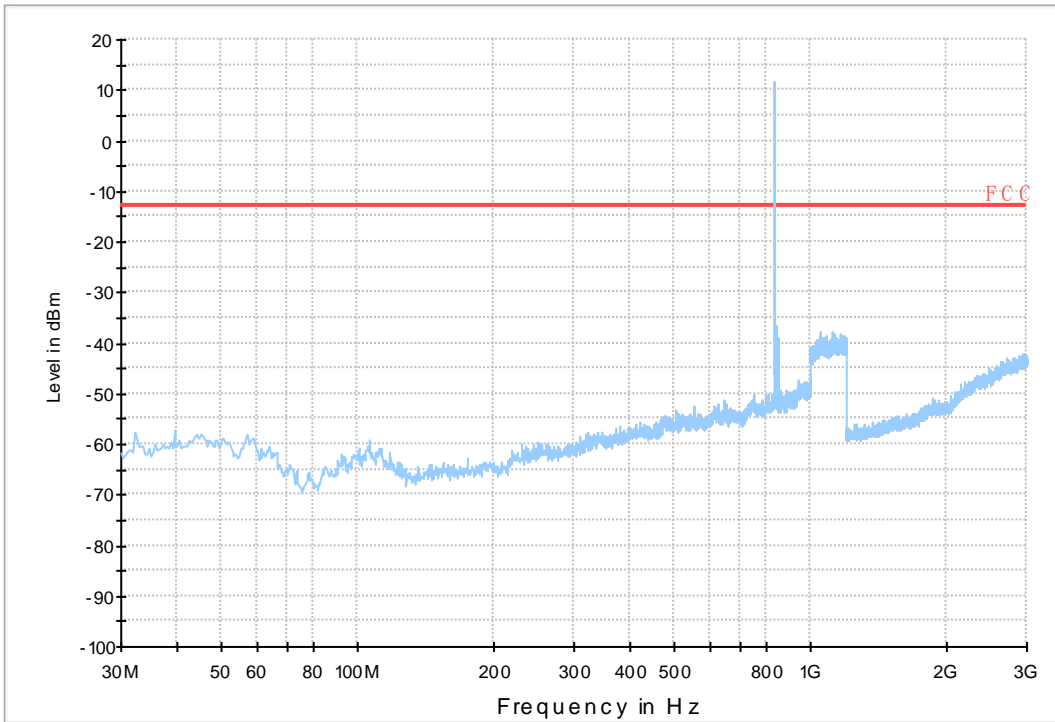


7.1.1.3 Test Bandwidth = 10

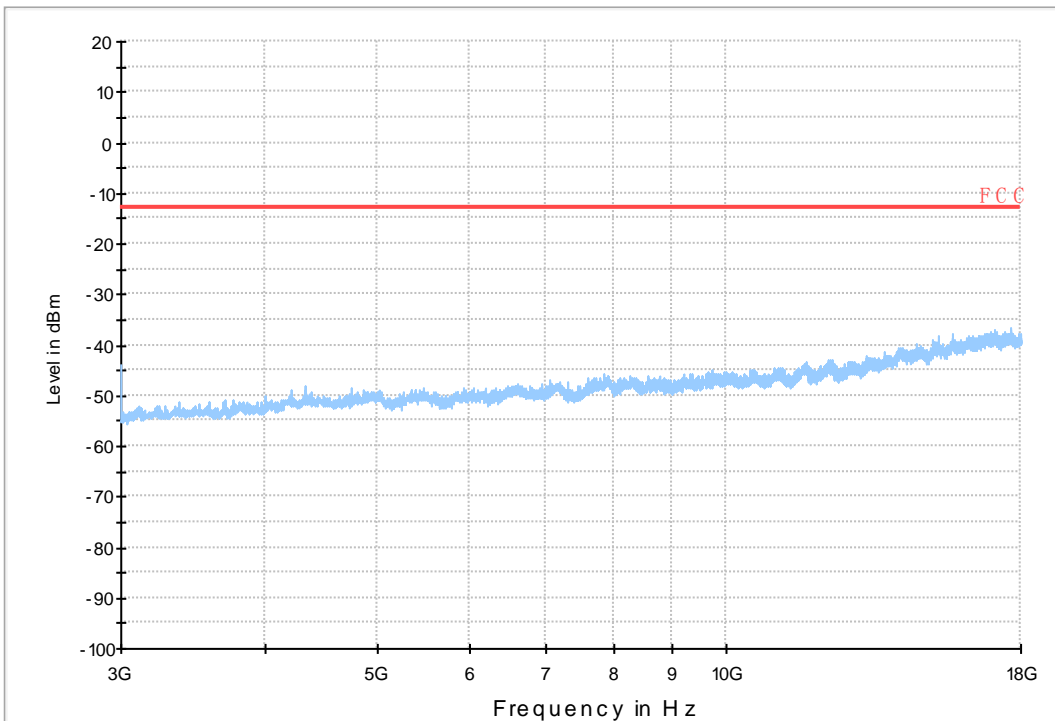




Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of 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	-4.11	-0.00498	PASS
					VN	-7.42	-0.009	PASS
					VH	-7.02	-0.00851	PASS
			MCH	TN	VL	-3.53	-0.00422	PASS
					VN	-10.39	-0.01242	PASS
					VH	-5.87	-0.00702	PASS
			HCH	TN	VL	-5.49	-0.00647	PASS
					VN	-3.43	-0.00404	PASS
					VH	-11.73	-0.01383	PASS
		3	LCH	TN	VL	-5.71	-0.00692	PASS
					VN	-6.79	-0.00823	PASS
					VH	-8.74	-0.01059	PASS
			MCH	TN	VL	-5.97	-0.00714	PASS
					VN	-2.30	-0.00275	PASS
					VH	-7.78	-0.0093	PASS
			HCH	TN	VL	-7.15	-0.00844	PASS
					VN	-5.88	-0.00694	PASS
					VH	-7.21	-0.00851	PASS
		5	LCH	TN	VL	-2.66	-0.00322	PASS
					VN	-1.10	-0.00133	PASS
					VH	-9.76	-0.01181	PASS
			MCH	TN	VL	-5.78	-0.00691	PASS
					VN	-4.18	-0.005	PASS
					VH	-5.55	-0.00663	PASS
			HCH	TN	VL	-8.70	-0.01028	PASS
					VN	-11.92	-0.01408	PASS
					VH	-8.64	-0.01021	PASS
		10	LCH	TN	VL	-9.86	-0.01189	PASS
					VN	-7.77	-0.00937	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	MCH	TN	VH	-14.10	-0.01701	PASS
					VL	-6.72	-0.00803	PASS
					VN	-11.94	-0.01427	PASS
			HCH	TN	VH	-3.00	-0.00359	PASS
					VL	-5.79	-0.00686	PASS
					VN	-5.94	-0.00704	PASS
			LCH	TN	VH	-4.33	-0.00513	PASS
					VL	-2.49	-0.00302	PASS
					VN	-4.96	-0.00601	PASS
		MCH	TN	VH	-3.65	-0.00443	PASS	
				VL	-11.27	-0.01347	PASS	
				VN	-3.15	-0.00377	PASS	
		HCH	TN	VH	-6.48	-0.00775	PASS	
				VL	-6.94	-0.00818	PASS	
				VN	-4.52	-0.00533	PASS	
		LCH	TN	VH	-4.22	-0.00497	PASS	
				VL	-8.93	-0.01082	PASS	
				VN	-5.11	-0.00619	PASS	
		MCH	TN	VH	-4.85	-0.00588	PASS	
				VL	-10.64	-0.01272	PASS	
				VN	-9.10	-0.01088	PASS	
		HCH	TN	VH	-7.15	-0.00855	PASS	
				VL	-8.64	-0.01019	PASS	
				VN	-4.11	-0.00485	PASS	
		LCH	TN	VH	-4.84	-0.00571	PASS	
				VL	-6.22	-0.00753	PASS	
				VN	-10.30	-0.01246	PASS	
		MCH	TN	VH	-4.26	-0.00515	PASS	
				VL	-4.42	-0.00528	PASS	
				VN	-9.27	-0.01108	PASS	
		HCH	TN	VH	-7.05	-0.00843	PASS	
				VL	-4.28	-0.00506	PASS	
				VN	-5.42	-0.0064	PASS	
		LCH	TN	VH	-7.85	-0.00927	PASS	
				VL	-11.00	-0.01327	PASS	
				VN	-5.59	-0.00674	PASS	
		MCH	TN	VH	-5.56	-0.00671	PASS	
				VL	1.14	0.00136	PASS	
				VN	-3.83	-0.00458	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-8.30	-0.00992	PASS
			HCH	TN	VL	-7.88	-0.00934	PASS
					VN	-10.01	-0.01186	PASS
					VH	-8.45	-0.01001	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
BAND5	LTE/TM1	1.4	LCH	VN	-30	-2.05	-0.00249	PASS
					-20	-4.29	-0.0052	PASS
					-10	-3.82	-0.00463	PASS
					0	-3.18	-0.00386	PASS
					10	-5.75	-0.00697	PASS
					20	-2.80	-0.0034	PASS
					30	-5.64	-0.00684	PASS
					40	-8.91	-0.0108	PASS
					50	-6.35	-0.0077	PASS
			MCH	VN	-30	-4.52	-0.0054	PASS
					-20	-4.63	-0.00553	PASS
					-10	-6.11	-0.0073	PASS
					0	-7.24	-0.00866	PASS
					10	-9.10	-0.01088	PASS
					20	-7.30	-0.00873	PASS
					30	-6.47	-0.00773	PASS
					40	-4.43	-0.0053	PASS
					50	-3.22	-0.00385	PASS
		HCH	VN	-30	-5.34	-0.00629	PASS	
				-20	-6.90	-0.00813	PASS	
				-10	-2.55	-0.00301	PASS	
				0	-3.19	-0.00376	PASS	
				10	-3.49	-0.00411	PASS	
				20	-7.04	-0.0083	PASS	
				30	-5.58	-0.00658	PASS	
				40	-6.87	-0.0081	PASS	
				50	-7.12	-0.00839	PASS	
		3	LCH	VN	-30	-7.40	-0.00896	PASS
					-20	-13.36	-0.01618	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		5			-10	-10.14	-0.01228	PASS
					0	-9.41	-0.0114	PASS
					10	-9.50	-0.01151	PASS
					20	-13.80	-0.01672	PASS
					30	-5.91	-0.00716	PASS
					40	-7.95	-0.00963	PASS
					50	-7.74	-0.00938	PASS
			MCH	VN	-30	-6.64	-0.00794	PASS
					-20	-9.27	-0.01108	PASS
					-10	-4.49	-0.00537	PASS
					0	-2.16	-0.00258	PASS
					10	-4.95	-0.00592	PASS
					20	-7.70	-0.00921	PASS
					30	-9.56	-0.01143	PASS
					40	-9.23	-0.01103	PASS
			HCH	VN	-30	-6.69	-0.00789	PASS
					-20	-6.39	-0.00754	PASS
					-10	-2.92	-0.00345	PASS
					0	-4.96	-0.00585	PASS
					10	-0.33	-0.00039	PASS
					20	-3.88	-0.00458	PASS
					30	-1.07	-0.00126	PASS
					40	-1.49	-0.00176	PASS
			LCH	VN	-30	-5.54	-0.0067	PASS
					-20	-4.73	-0.00572	PASS
					-10	-5.99	-0.00725	PASS
					0	-6.39	-0.00773	PASS
					10	-4.95	-0.00599	PASS
					20	-7.21	-0.00872	PASS
					30	-3.83	-0.00463	PASS
					40	-9.80	-0.01186	PASS
					50	-9.40	-0.01137	PASS
			MCH	VN	-30	-6.05	-0.00723	PASS
					-20	-4.92	-0.00588	PASS
					-10	-1.34	-0.0016	PASS
					0	-7.32	-0.00875	PASS
					10	-7.27	-0.00869	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-2.53	-0.00302	PASS		
					30	1.14	0.00136	PASS		
					40	-4.73	-0.00565	PASS		
					50	-7.80	-0.00932	PASS		
			HCH	VN	-30	-6.52	-0.0077	PASS		
					-20	-10.87	-0.01284	PASS		
					-10	-10.67	-0.0126	PASS		
					0	-4.52	-0.00534	PASS		
					10	0.36	0.00043	PASS		
					20	-4.06	-0.0048	PASS		
					30	1.02	0.0012	PASS		
					40	0.97	0.00115	PASS		
					50	-3.43	-0.00405	PASS		
					LCH	VN	-30	-7.08	-0.00854	PASS
							-20	-8.20	-0.00989	PASS
							-10	-7.58	-0.00914	PASS
			0	-6.44			-0.00777	PASS		
			10	-11.36			-0.0137	PASS		
			20	-4.62			-0.00557	PASS		
			30	-7.54			-0.0091	PASS		
		40	-5.64	-0.0068			PASS			
		MCH	VN	50	-12.39	-0.01495	PASS			
				-30	-3.15	-0.00377	PASS			
				-20	-1.70	-0.00203	PASS			
				-10	-3.65	-0.00436	PASS			
				0	-3.18	-0.0038	PASS			
				10	-8.44	-0.01009	PASS			
				20	-4.19	-0.00501	PASS			
				30	-4.46	-0.00533	PASS			
		HCH	VN	40	-3.63	-0.00434	PASS			
				50	-3.92	-0.00469	PASS			
				-30	-7.62	-0.00903	PASS			
				-20	-6.49	-0.00769	PASS			
				-10	-5.92	-0.00701	PASS			
				0	-8.34	-0.00988	PASS			
				10	-5.14	-0.00609	PASS			
				20	-6.04	-0.00716	PASS			
		30	-9.64	-0.01142	PASS					
		40	-7.82	-0.00927	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	-7.70	-0.00912	PASS
					-30	-4.91	-0.00595	PASS
					-20	-2.46	-0.00298	PASS
					-10	-3.71	-0.0045	PASS
					0	-9.66	-0.01171	PASS
					10	-10.79	-0.01308	PASS
					20	-1.77	-0.00215	PASS
					30	-3.58	-0.00434	PASS
					40	-7.78	-0.00943	PASS
			50	-4.82	-0.00584	PASS		
			MCH	VN	-30	-3.46	-0.00414	PASS
					-20	-4.09	-0.00489	PASS
					-10	-8.47	-0.01013	PASS
					0	-5.88	-0.00703	PASS
					10	-11.46	-0.0137	PASS
					20	-5.34	-0.00638	PASS
					30	-4.73	-0.00565	PASS
					40	-7.88	-0.00942	PASS
					50	-7.25	-0.00867	PASS
			HCH	VN	-30	0.67	0.00079	PASS
					-20	-3.00	-0.00354	PASS
					-10	-2.78	-0.00328	PASS
					0	-3.32	-0.00391	PASS
					10	-10.57	-0.01246	PASS
		20			-2.82	-0.00332	PASS	
		30			-3.13	-0.00369	PASS	
		40			-2.72	-0.00321	PASS	
		50			-3.02	-0.00356	PASS	
		3	LCH	VN	-30	-5.79	-0.00701	PASS
					-20	-9.00	-0.0109	PASS
					-10	-10.56	-0.01279	PASS
					0	-10.09	-0.01222	PASS
					10	-10.94	-0.01325	PASS
					20	-8.40	-0.01018	PASS
					30	-11.83	-0.01433	PASS
					40	-10.46	-0.01267	PASS
					50	-11.50	-0.01393	PASS
			MCH	VN	-30	-5.09	-0.00608	PASS
					-20	-11.59	-0.01386	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	-2.83	-0.00338	PASS		
					0	-4.78	-0.00571	PASS		
					10	-5.25	-0.00628	PASS		
					20	-0.97	-0.00116	PASS		
					30	-5.82	-0.00696	PASS		
					40	-0.19	-0.00023	PASS		
					50	-7.44	-0.00889	PASS		
			HCH	VN	-30	-6.79	-0.00801	PASS		
					-20	-6.04	-0.00713	PASS		
					-10	-5.88	-0.00694	PASS		
					0	-7.72	-0.00911	PASS		
					10	-6.68	-0.00788	PASS		
					20	-7.84	-0.00925	PASS		
					30	-5.88	-0.00694	PASS		
					40	-6.37	-0.00752	PASS		
		LCH	VN	-30	-7.75	-0.00938	PASS			
				-20	-10.63	-0.01286	PASS			
				-10	-7.60	-0.0092	PASS			
				0	-5.59	-0.00676	PASS			
				10	-6.57	-0.00795	PASS			
				20	-2.88	-0.00348	PASS			
				30	-5.72	-0.00692	PASS			
				40	-6.15	-0.00744	PASS			
				50	-7.37	-0.00892	PASS			
				MCH	VN	-30	-6.65	-0.00795	PASS	
						-20	-3.62	-0.00433	PASS	
						-10	-6.78	-0.00811	PASS	
		0	-4.96			-0.00593	PASS			
		10	-7.17			-0.00857	PASS			
		20	-3.15			-0.00377	PASS			
		30	-0.76			-0.00091	PASS			
		40	-8.10			-0.00968	PASS			
		HCH	VN	-30	-4.42	-0.00522	PASS			
				-20	-4.11	-0.00486	PASS			
				-10	-12.63	-0.01492	PASS			
				0	-3.99	-0.00471	PASS			
				10	-3.71	-0.00438	PASS			
		5					-10	-2.83	-0.00338	PASS
							0	-4.78	-0.00571	PASS
							10	-5.25	-0.00628	PASS
							20	-0.97	-0.00116	PASS
							30	-5.82	-0.00696	PASS
							40	-0.19	-0.00023	PASS
							50	-7.44	-0.00889	PASS
							-30	-6.79	-0.00801	PASS
-20	-6.04						-0.00713	PASS		
-10	-5.88						-0.00694	PASS		
0	-7.72						-0.00911	PASS		
10	-6.68						-0.00788	PASS		
20	-7.84						-0.00925	PASS		
30	-5.88						-0.00694	PASS		
40	-6.37						-0.00752	PASS		
50	-3.15	-0.00372	PASS							
-30	-7.75	-0.00938	PASS							
-20	-10.63	-0.01286	PASS							
-10	-7.60	-0.0092	PASS							
0	-5.59	-0.00676	PASS							
10	-6.57	-0.00795	PASS							
20	-2.88	-0.00348	PASS							
30	-5.72	-0.00692	PASS							
40	-6.15	-0.00744	PASS							
50	-7.37	-0.00892	PASS							
-30	-6.65	-0.00795	PASS							
-20	-3.62	-0.00433	PASS							
-10	-6.78	-0.00811	PASS							
0	-4.96	-0.00593	PASS							
10	-7.17	-0.00857	PASS							
20	-3.15	-0.00377	PASS							
30	-0.76	-0.00091	PASS							
40	-8.10	-0.00968	PASS							
50	-0.84	-0.001	PASS							
-30	-4.42	-0.00522	PASS							
-20	-4.11	-0.00486	PASS							
-10	-12.63	-0.01492	PASS							
0	-3.99	-0.00471	PASS							
10	-3.71	-0.00438	PASS							



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					20	-6.35	-0.0075	PASS			
					30	-5.19	-0.00613	PASS			
					40	-4.06	-0.0048	PASS			
					50	-5.41	-0.00639	PASS			
		10		LCH	VN	-30	-9.38	-0.01131	PASS		
						-20	-9.74	-0.01175	PASS		
						-10	-3.76	-0.00454	PASS		
						0	-8.90	-0.01074	PASS		
						10	-8.65	-0.01043	PASS		
						20	-6.51	-0.00785	PASS		
						30	-6.12	-0.00738	PASS		
						40	-6.65	-0.00802	PASS		
						50	-12.56	-0.01515	PASS		
						MCH	VN	-30	-3.73	-0.00446	PASS
								-20	-5.46	-0.00653	PASS
								-10	-9.56	-0.01143	PASS
								0	-10.80	-0.01291	PASS
								10	-6.02	-0.0072	PASS
								20	-8.40	-0.01004	PASS
								30	-4.46	-0.00533	PASS
				40	-0.86			-0.00103	PASS		
				HCH	VN	50	-7.52	-0.00899	PASS		
						-30	-3.88	-0.0046	PASS		
						-20	-6.74	-0.00799	PASS		
						-10	-6.02	-0.00713	PASS		
						0	-6.74	-0.00799	PASS		
						10	-6.39	-0.00757	PASS		
						20	-7.04	-0.00834	PASS		
30	-3.16					-0.00374	PASS				
40	-6.42			-0.00761	PASS						
50	-10.27			-0.01217	PASS						

END