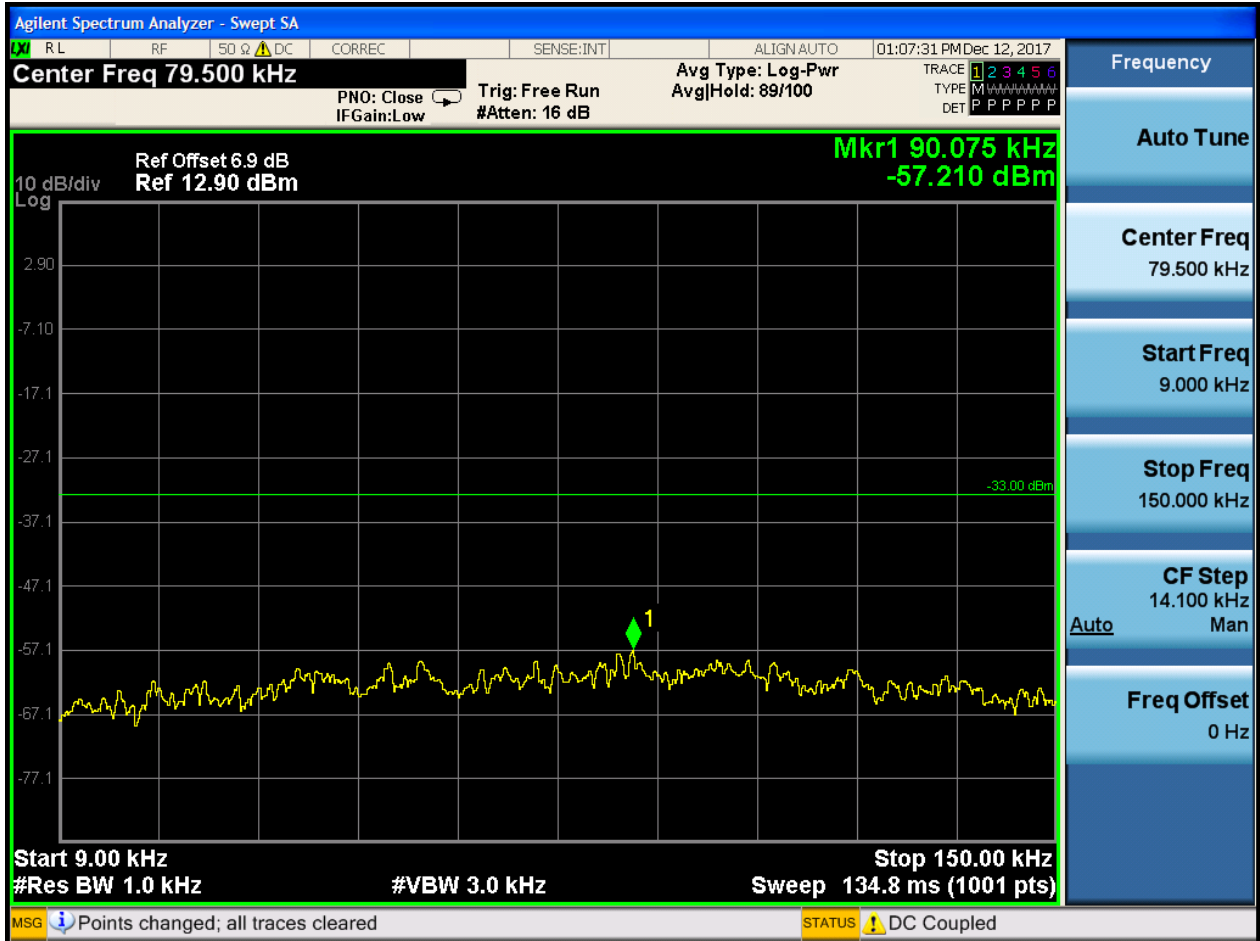
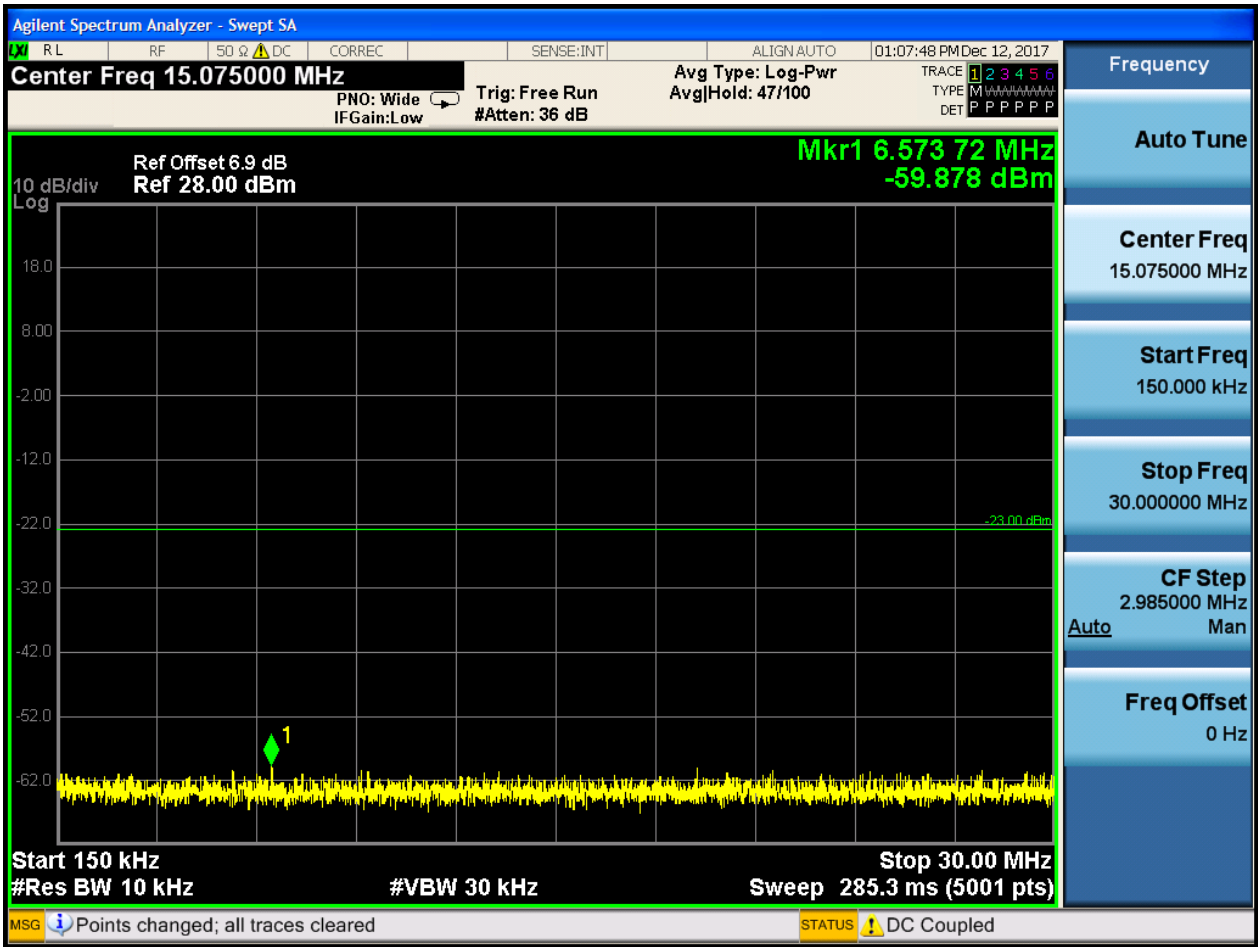


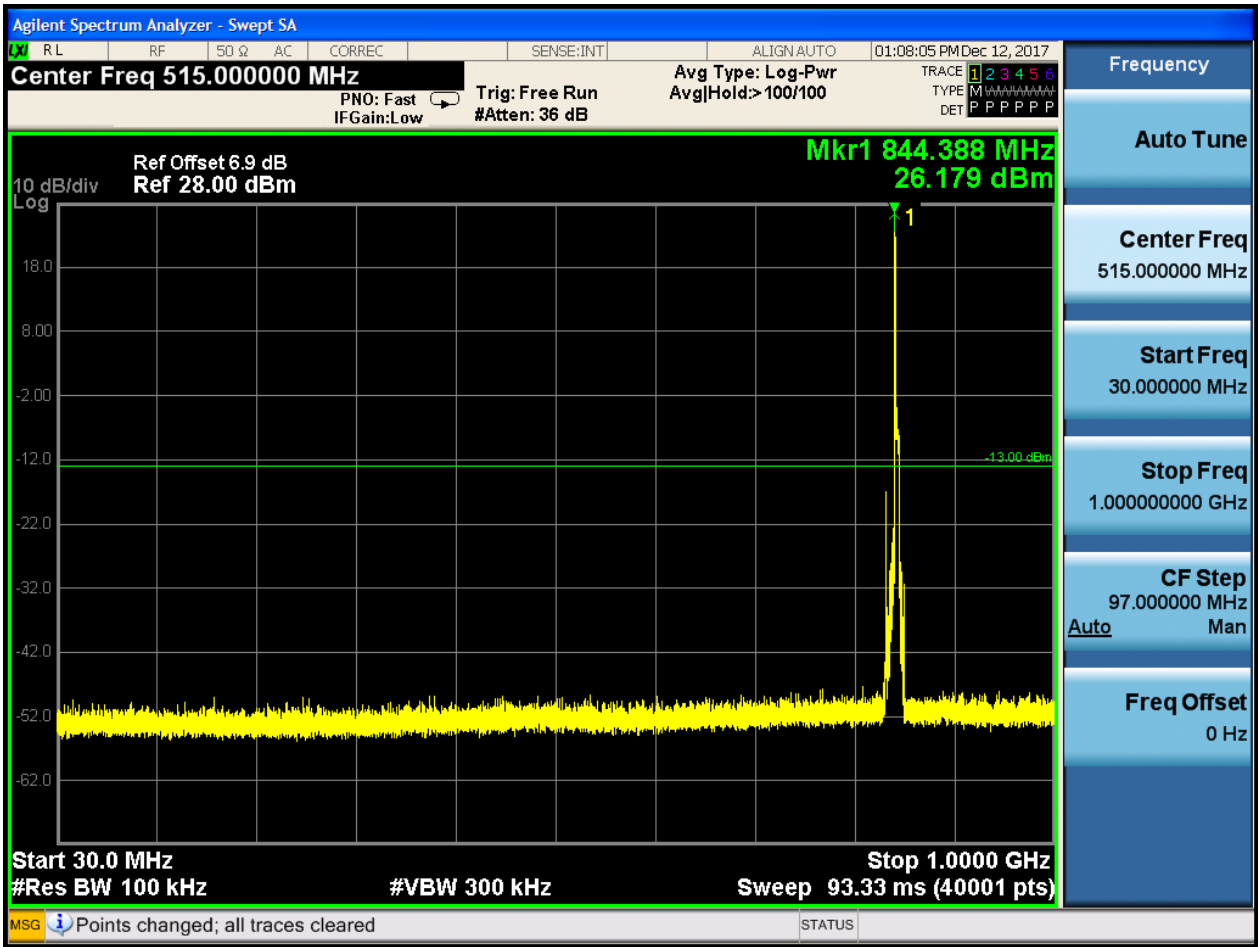


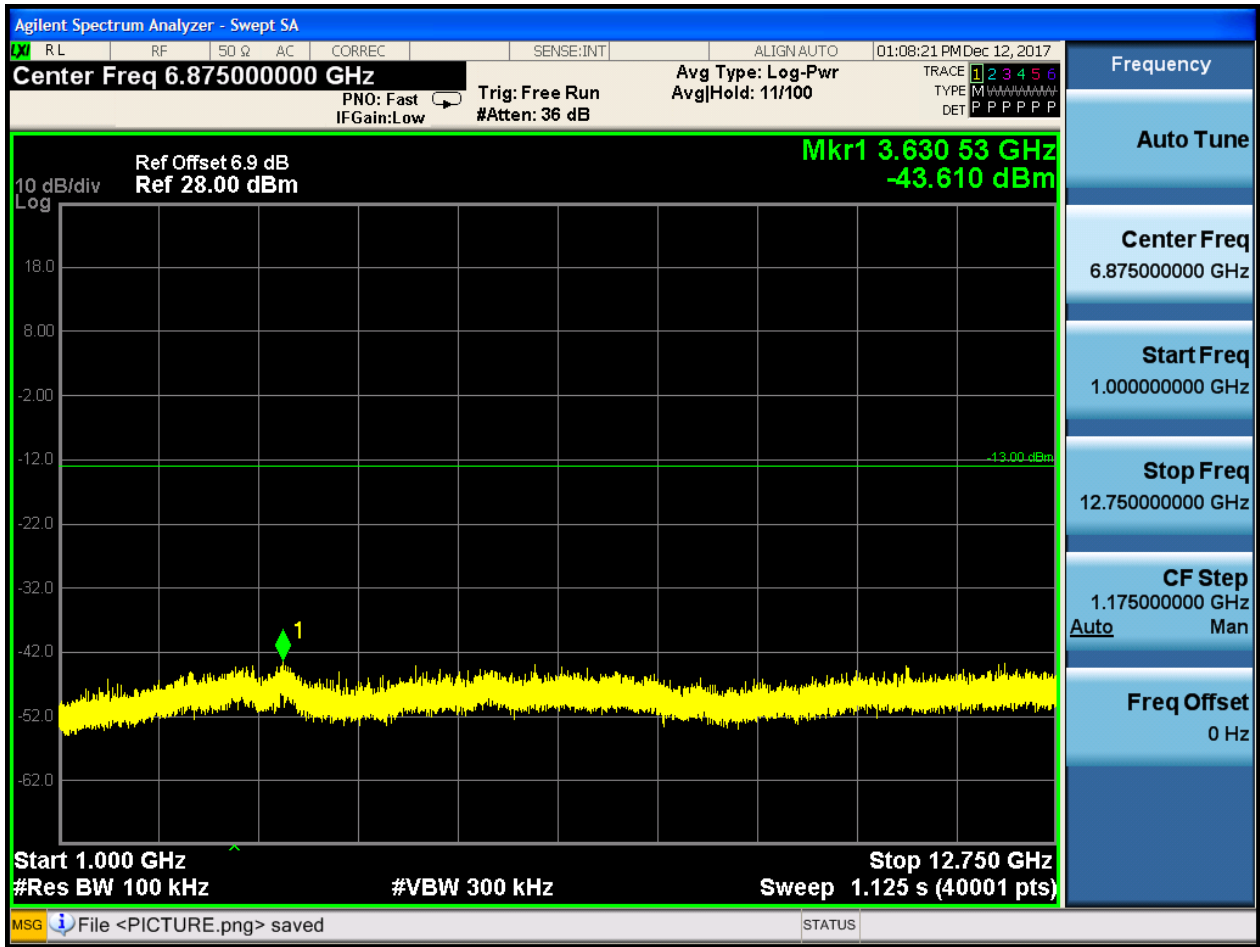
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







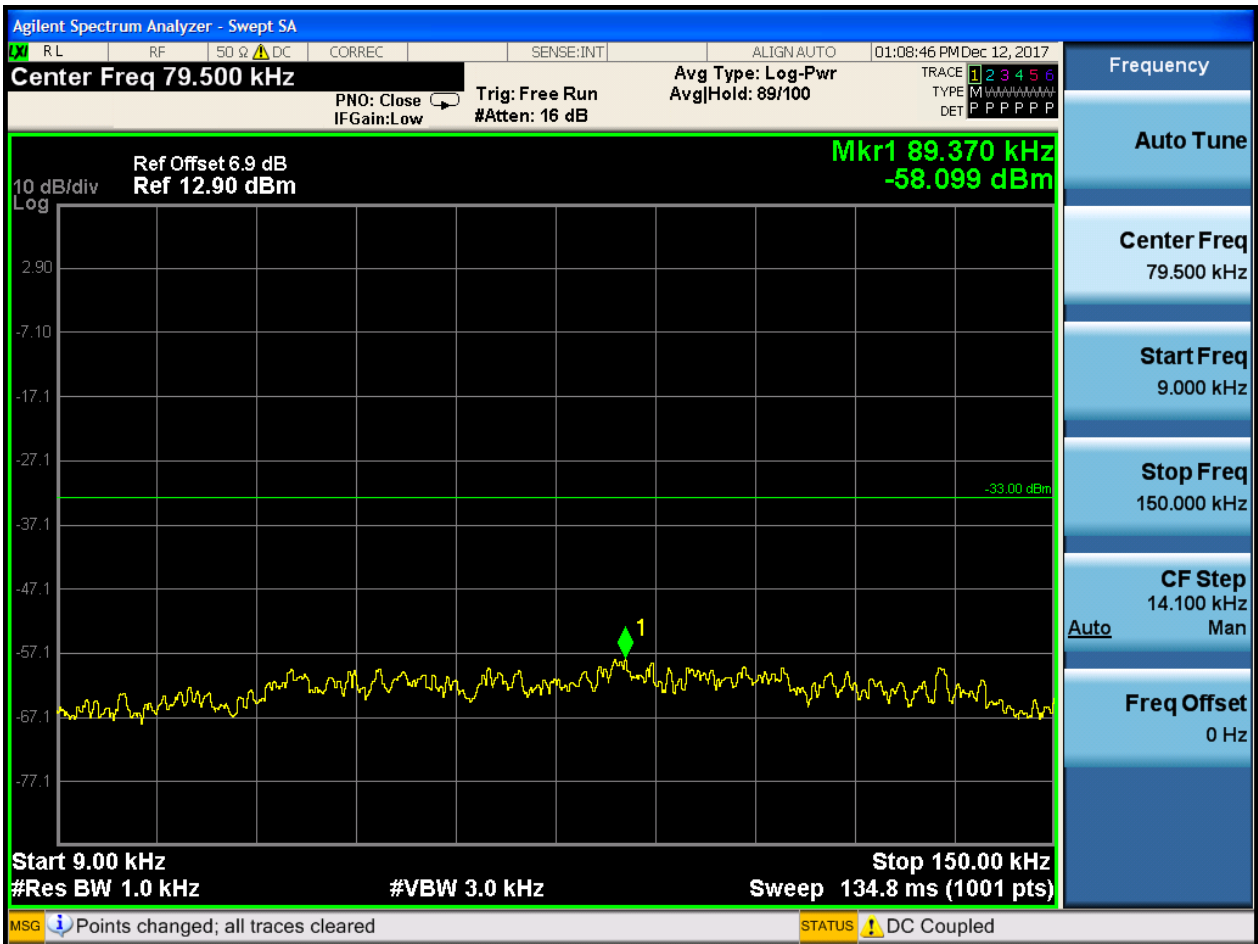


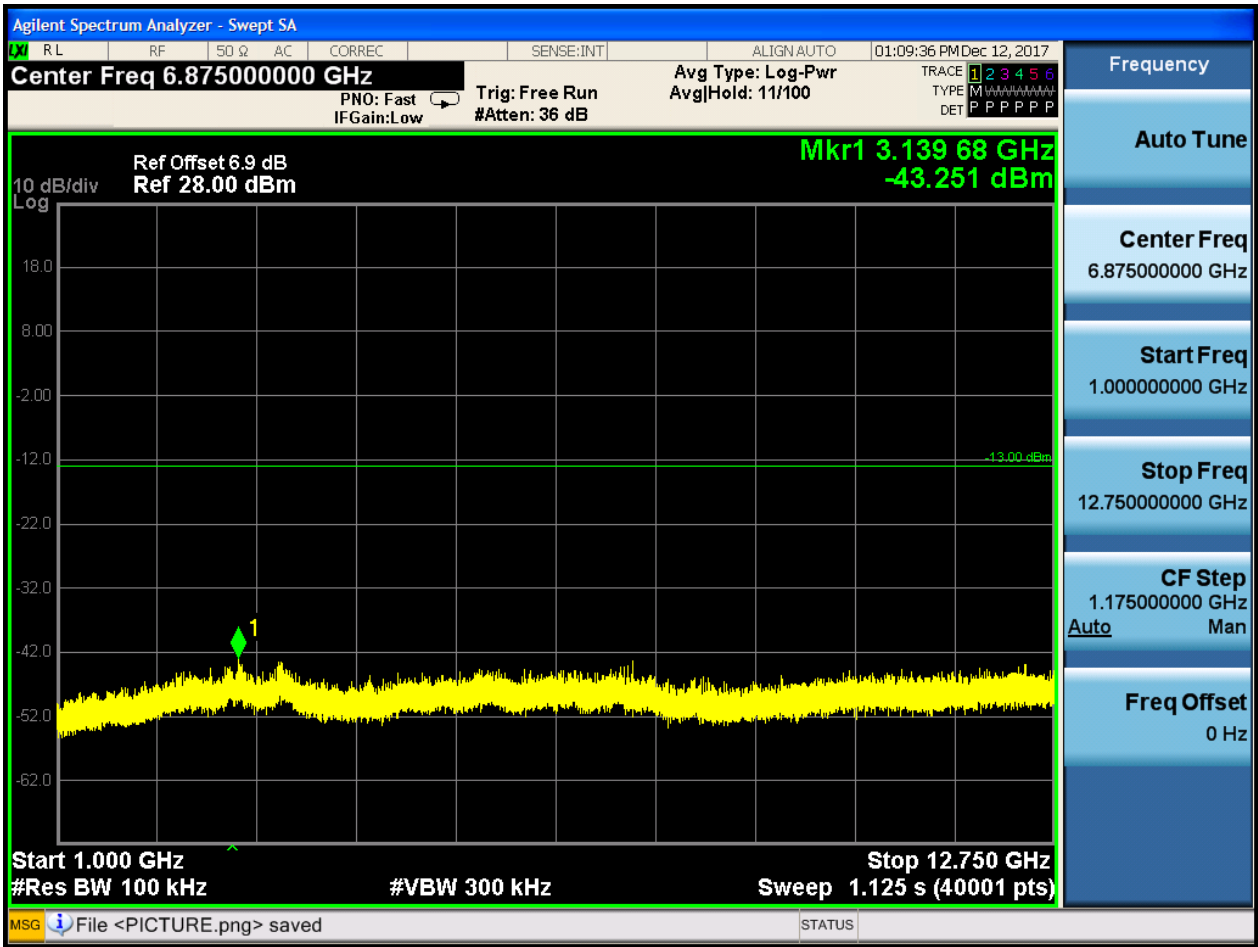


6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

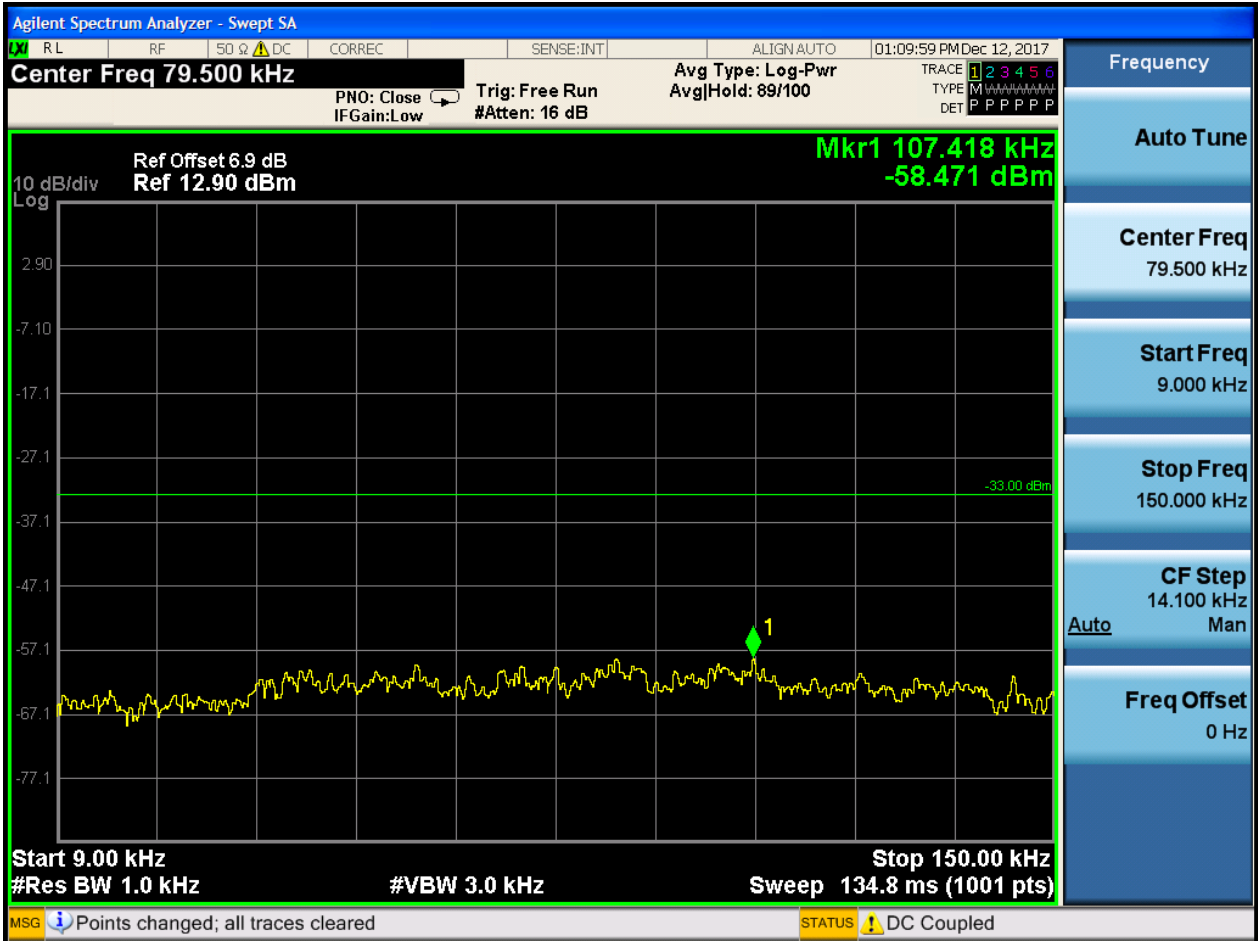


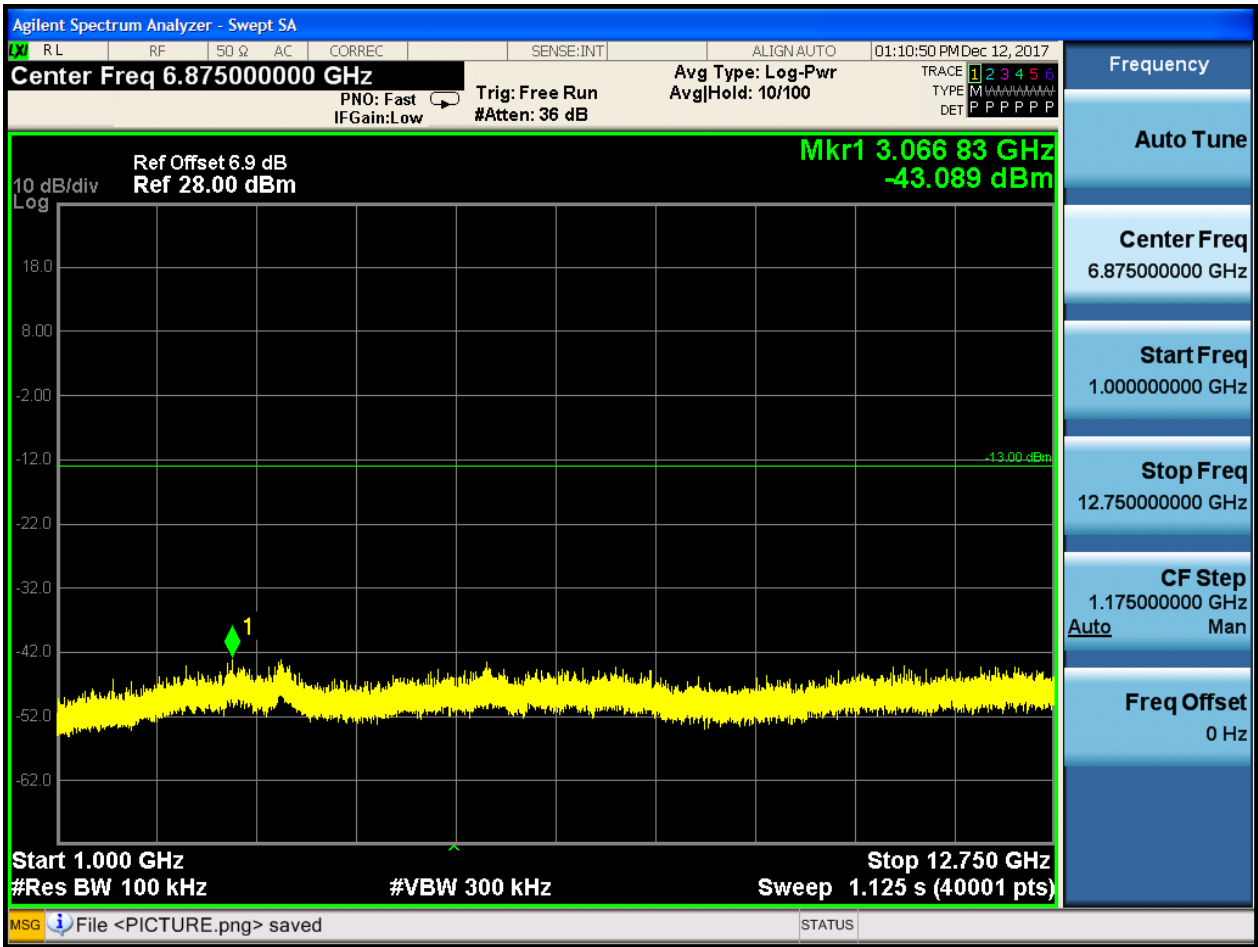




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

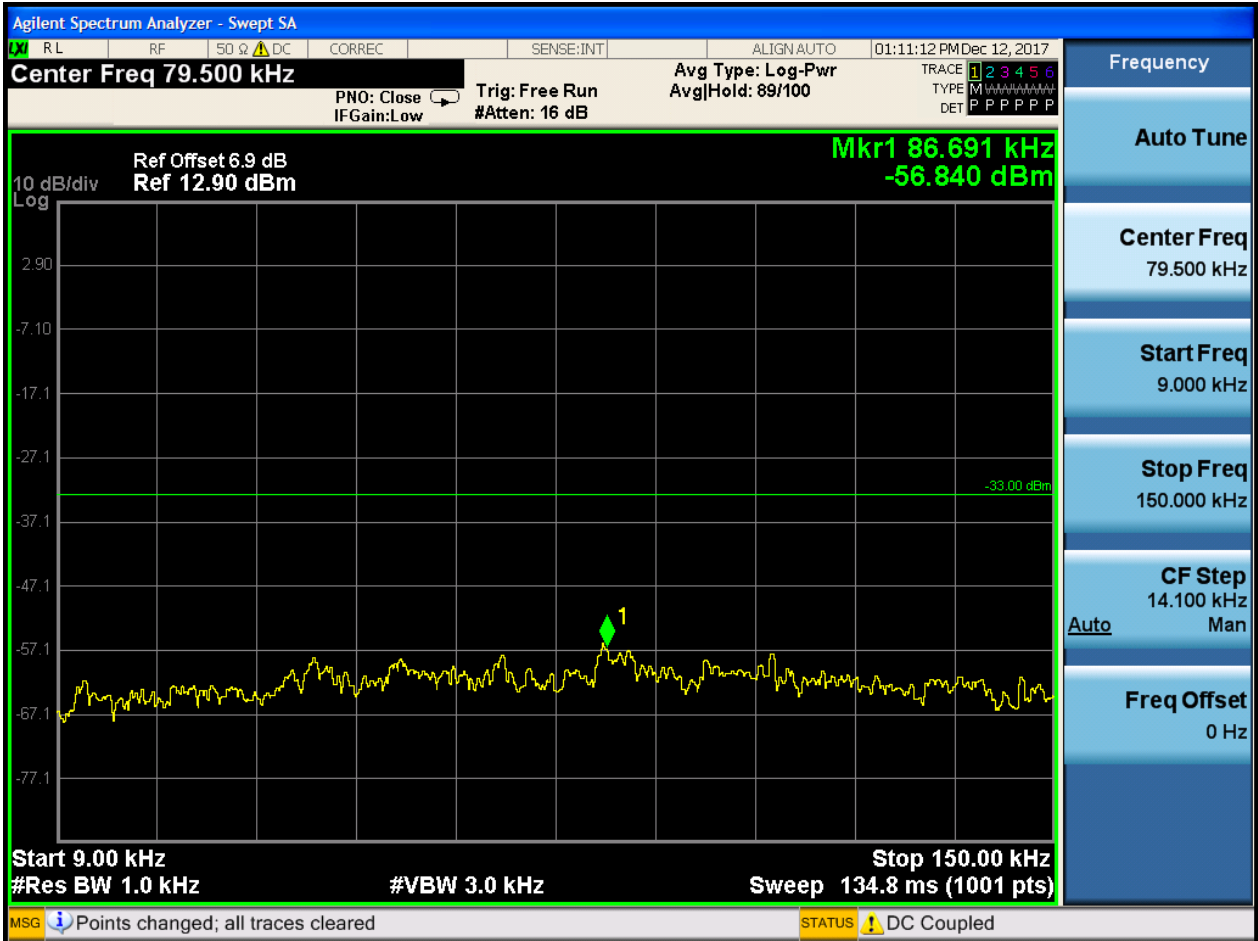


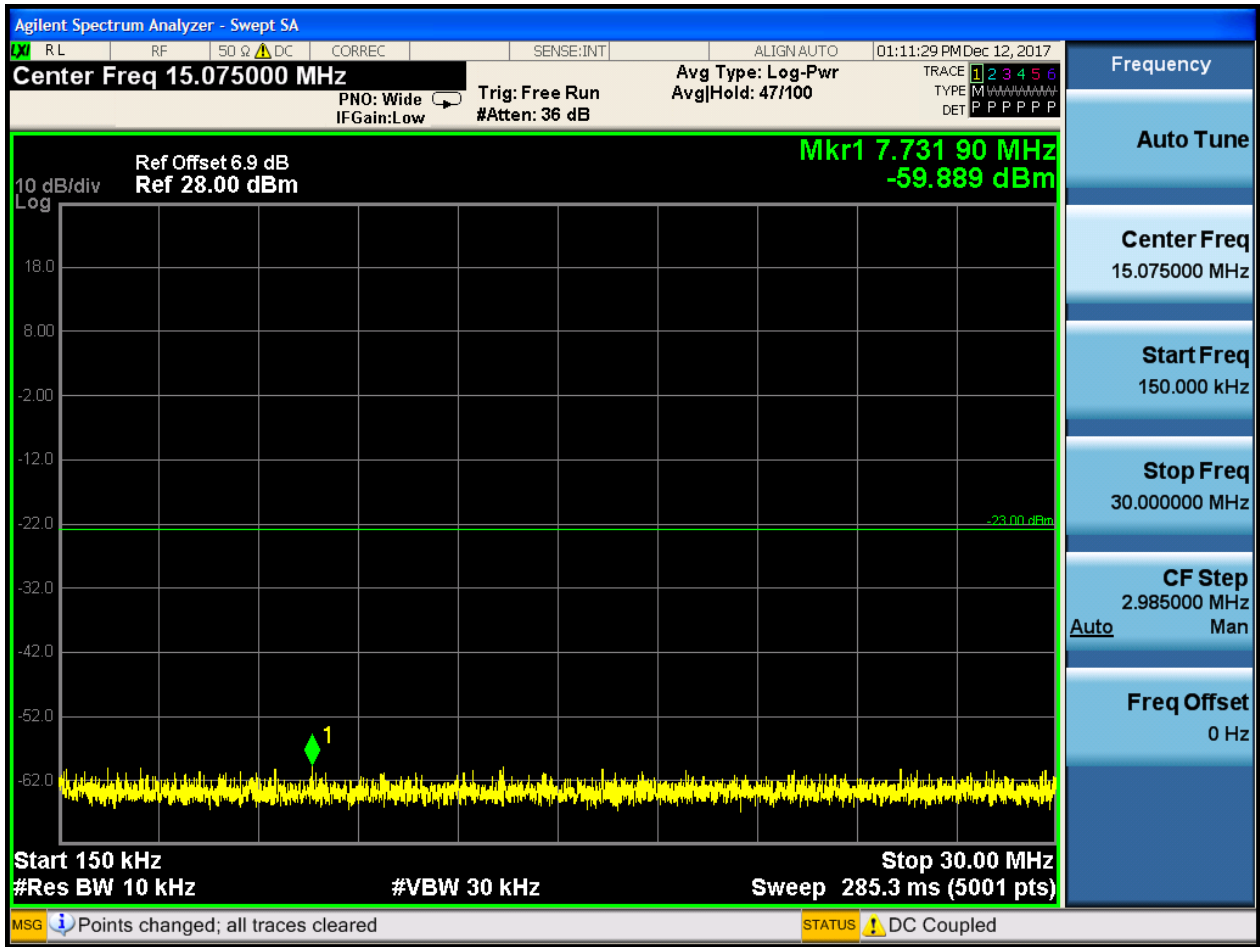


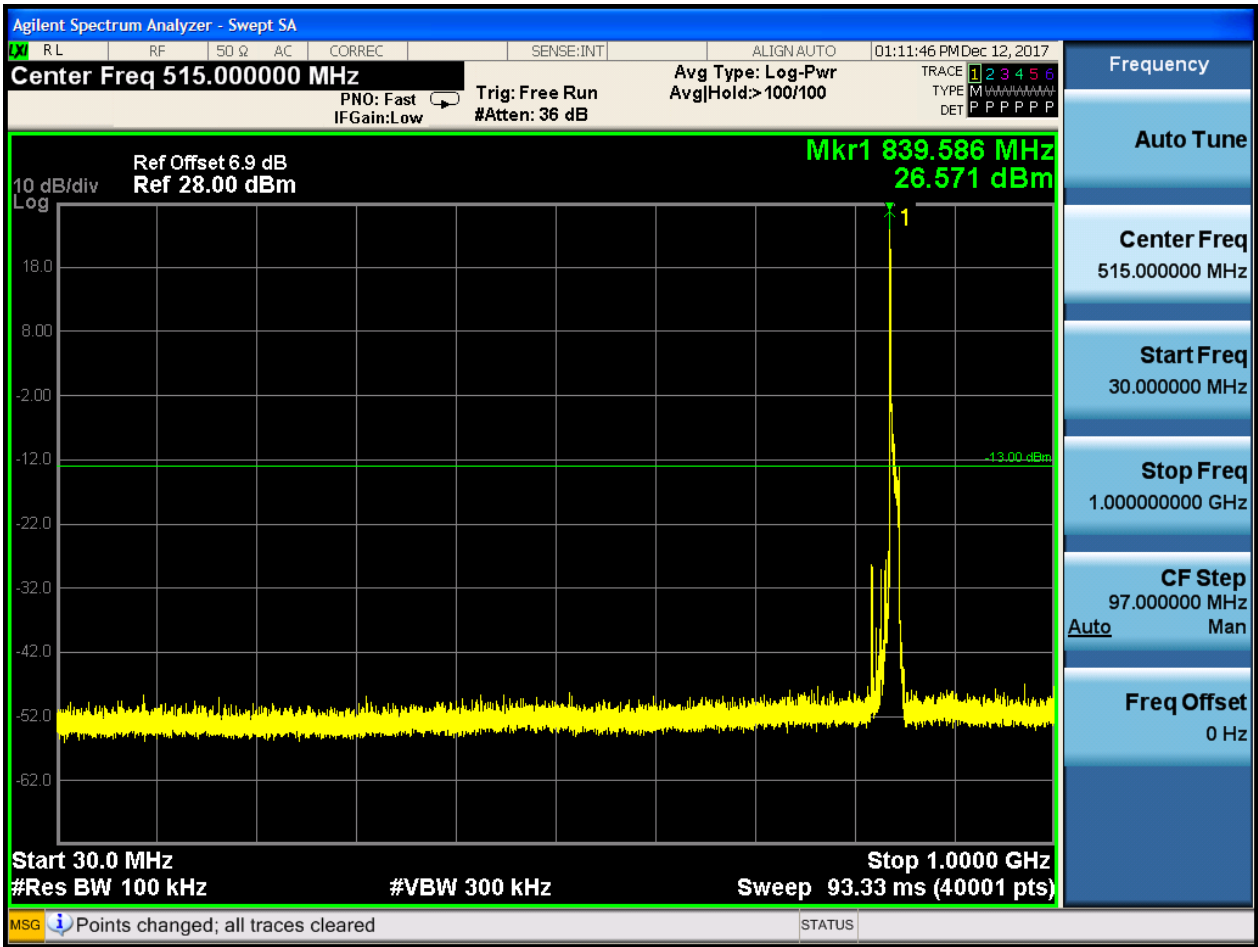


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







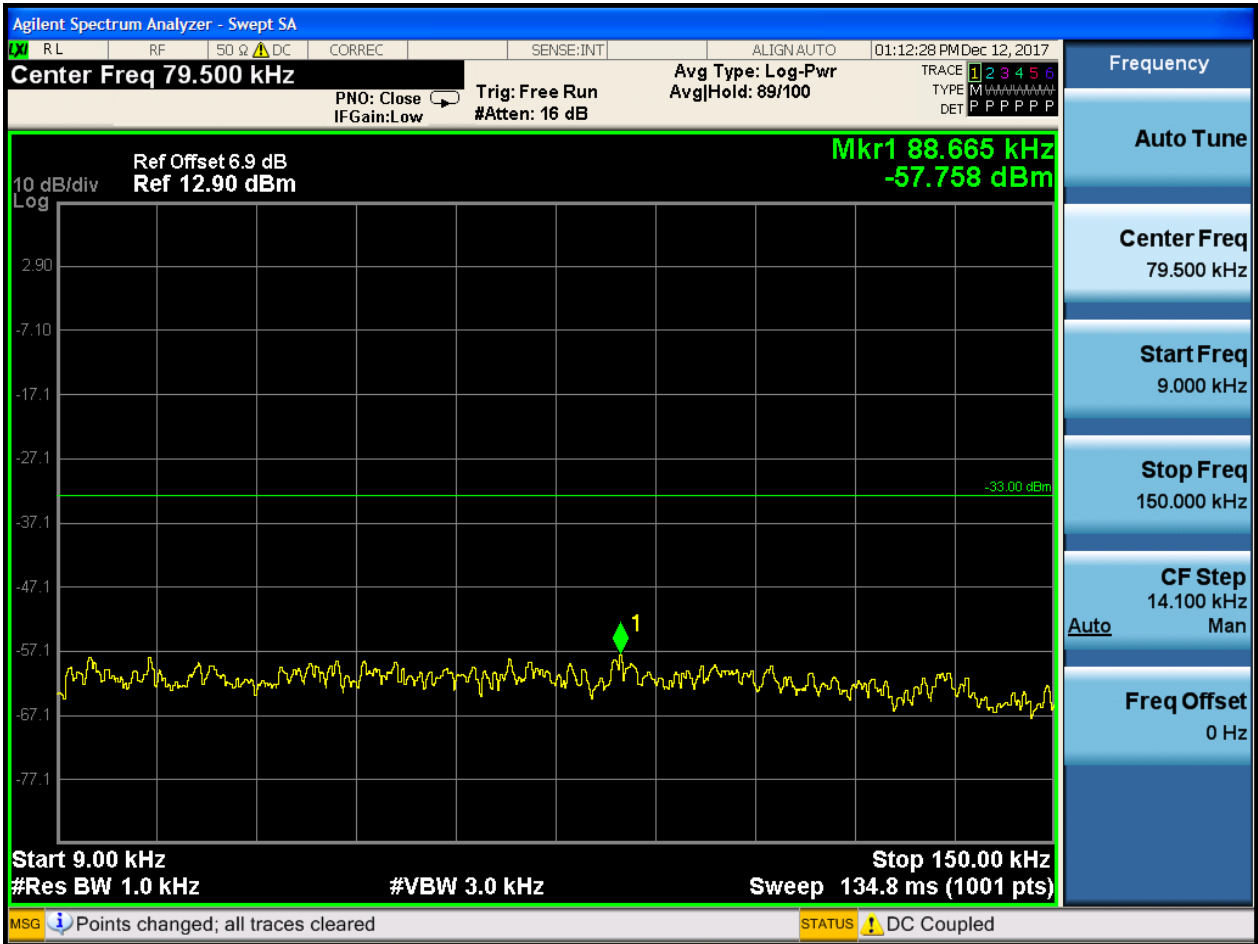


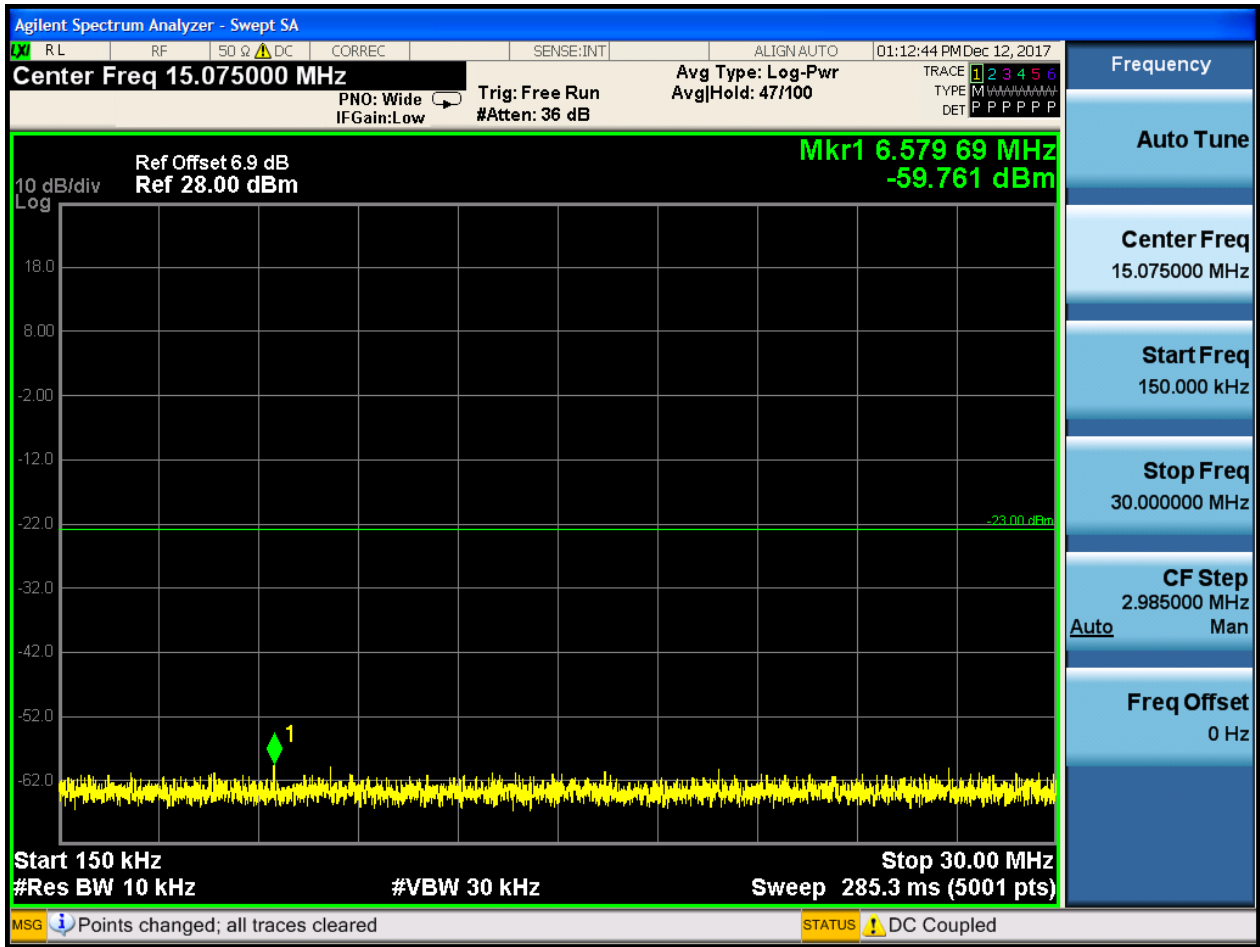
6.1.1.2 Test Mode = LTE/TM2

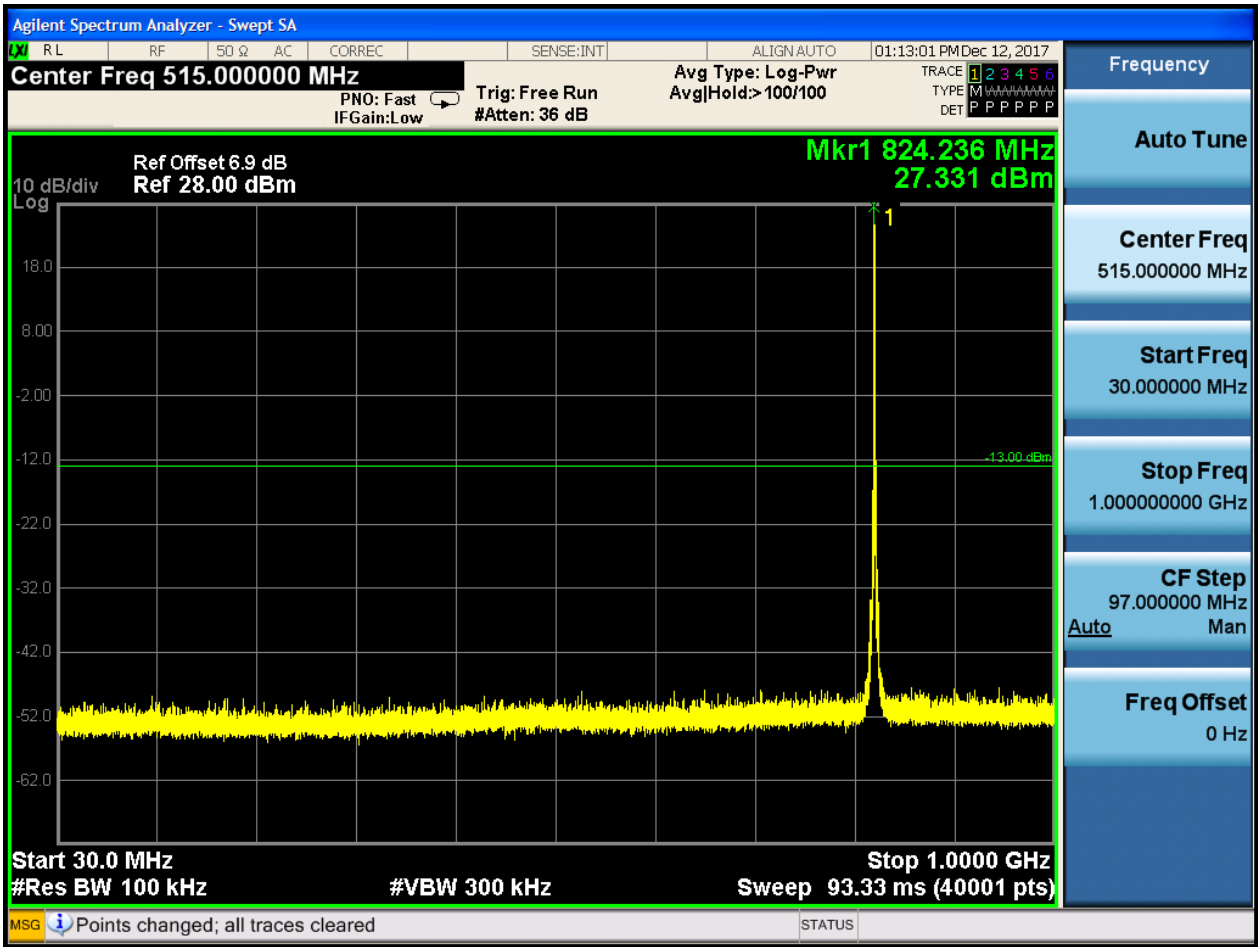
6.1.1.2.1 Test Bandwidth = 1.4

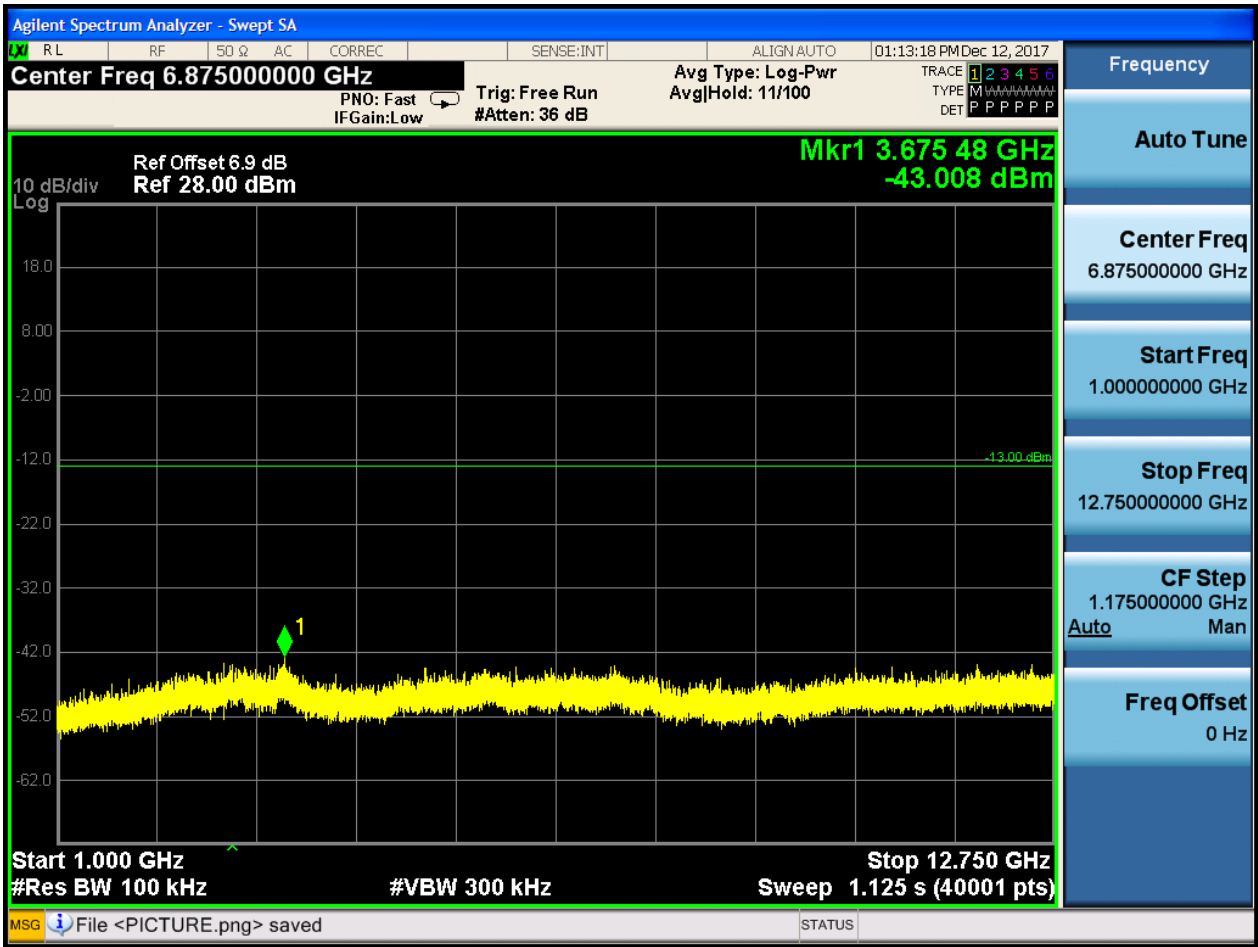
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





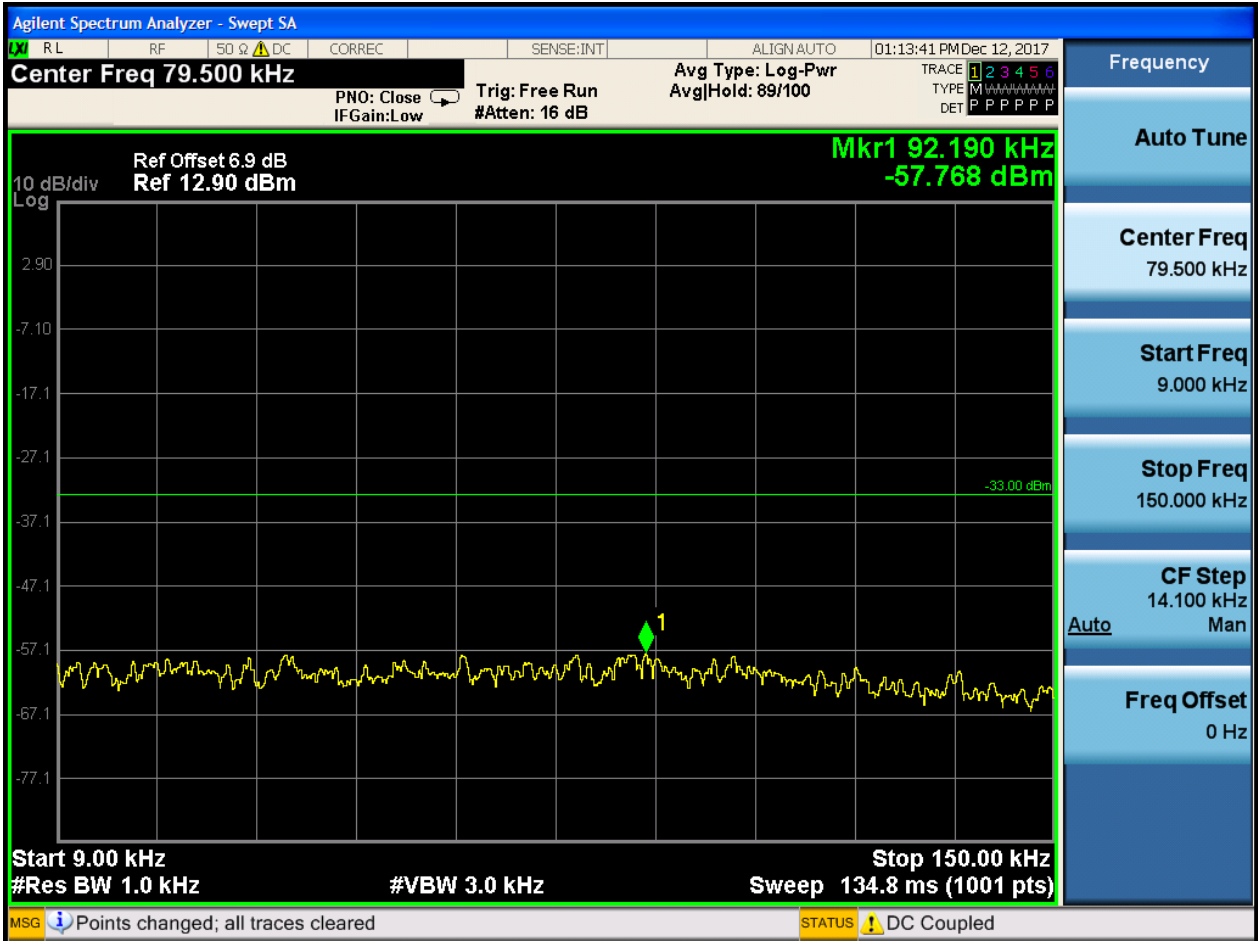


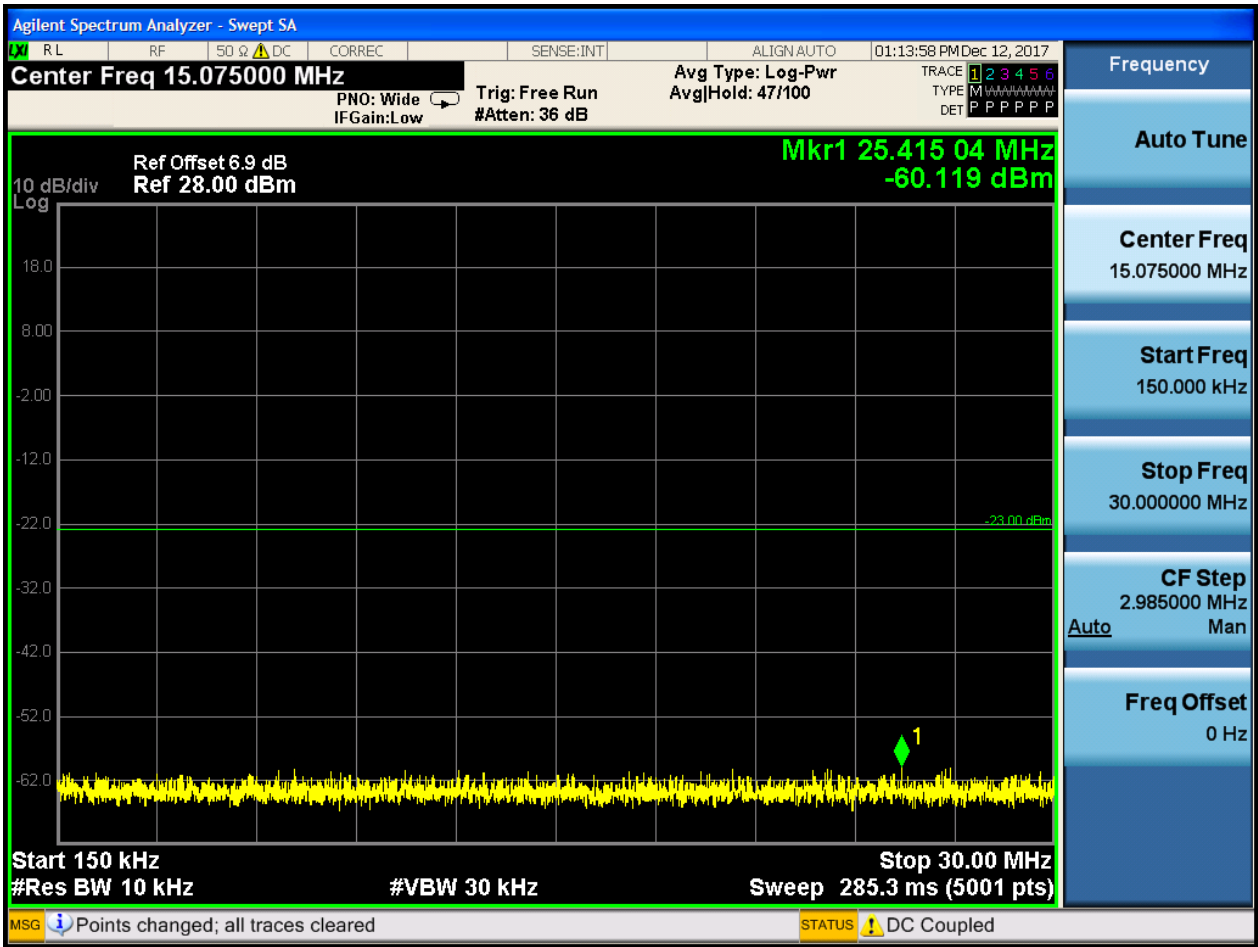


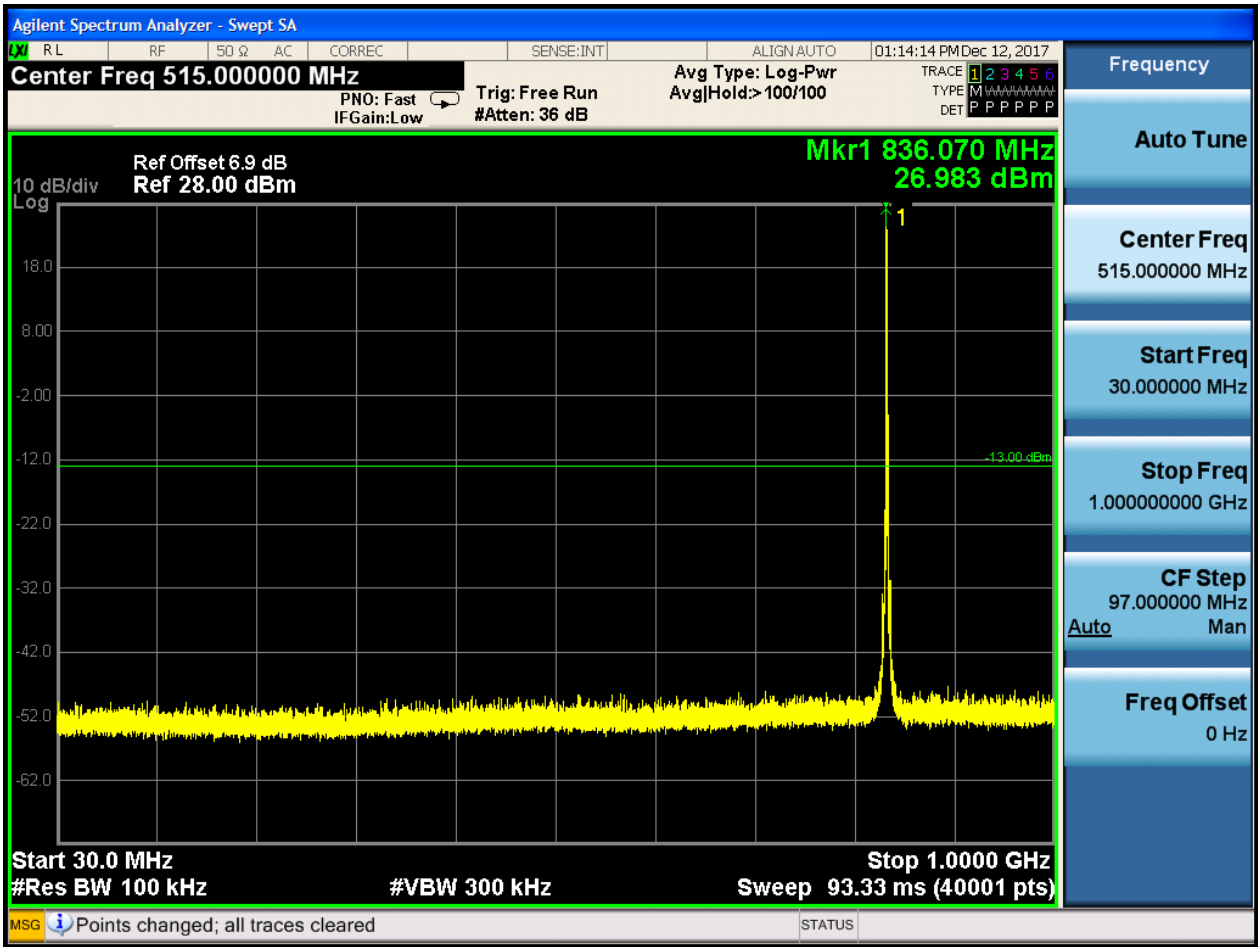


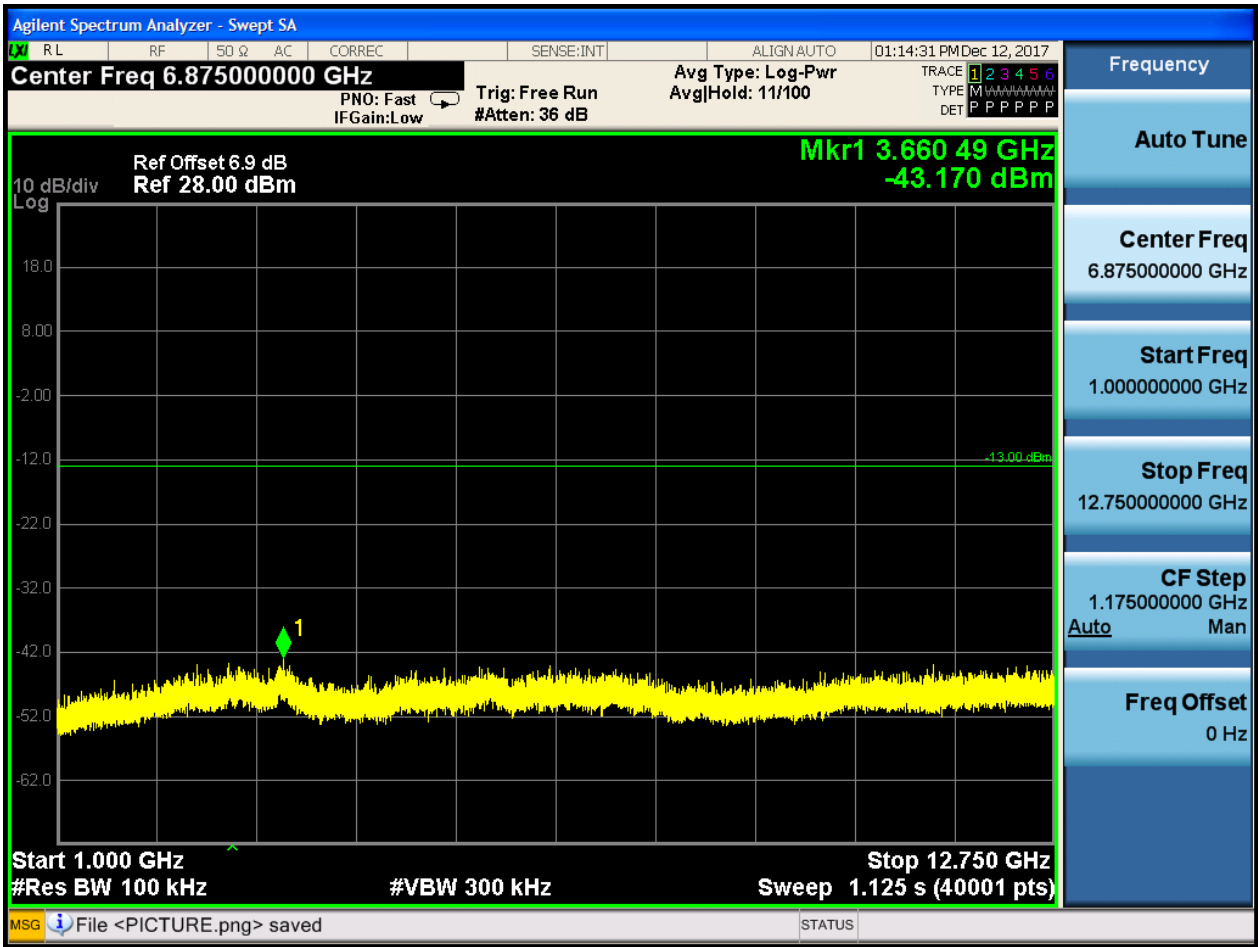
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





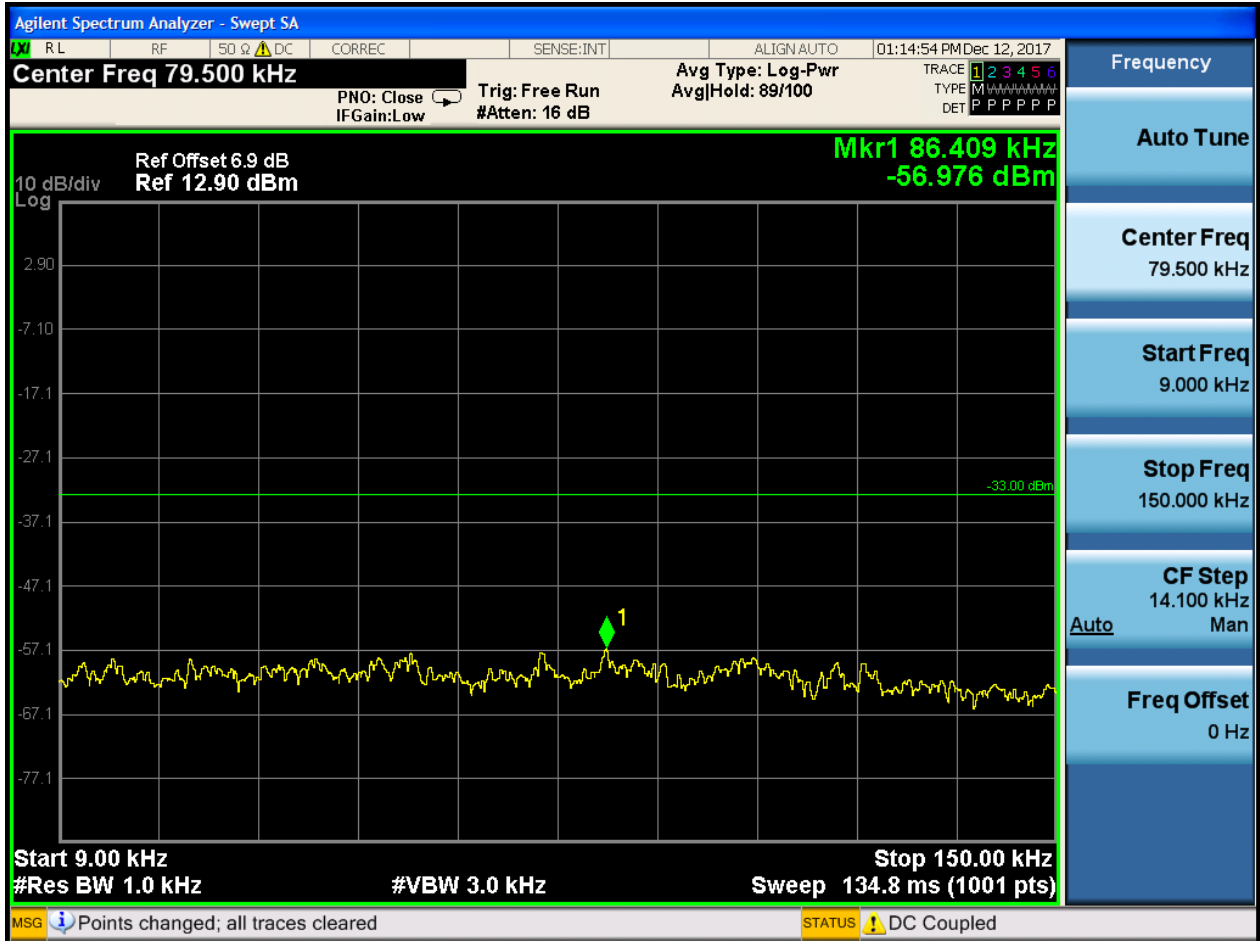


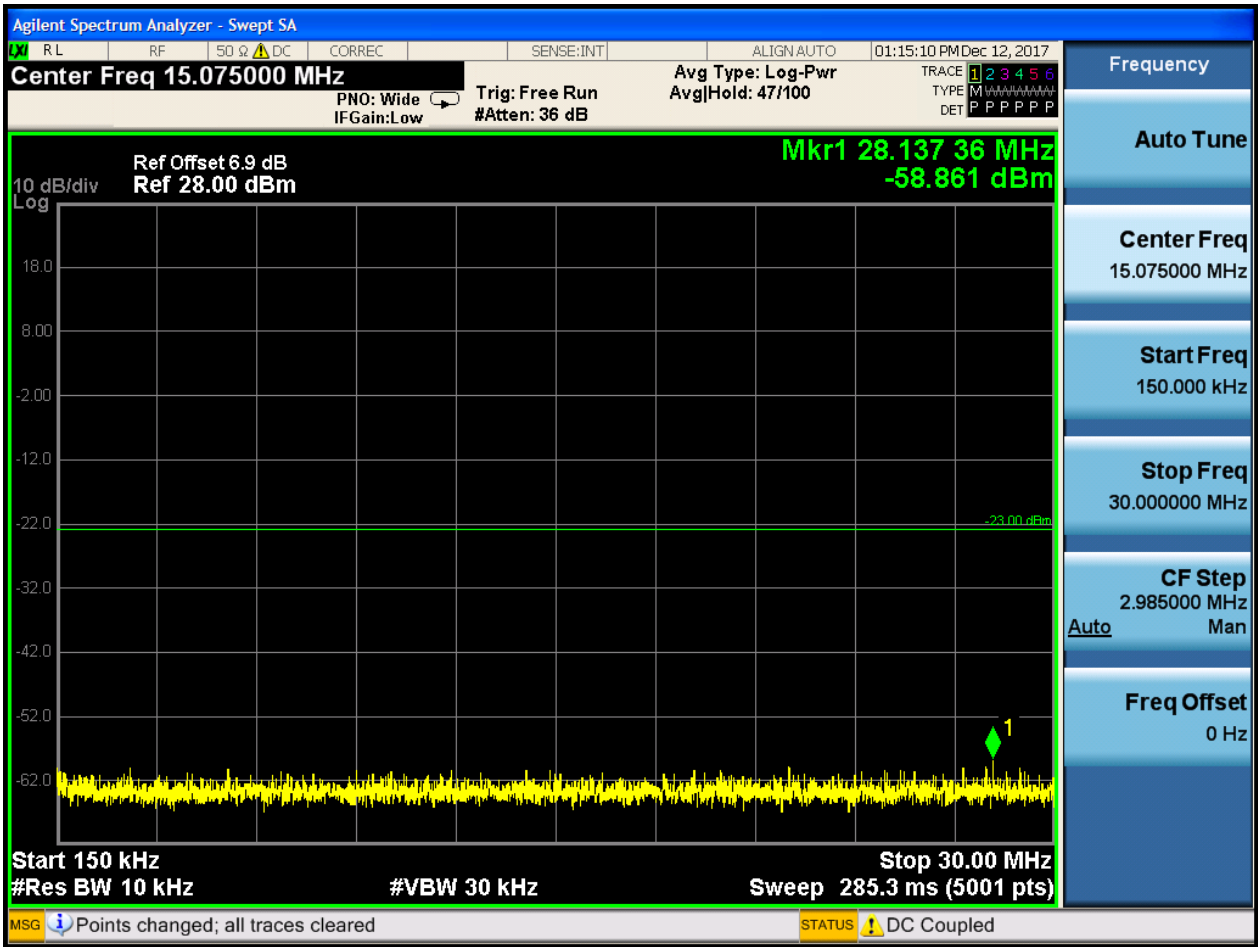


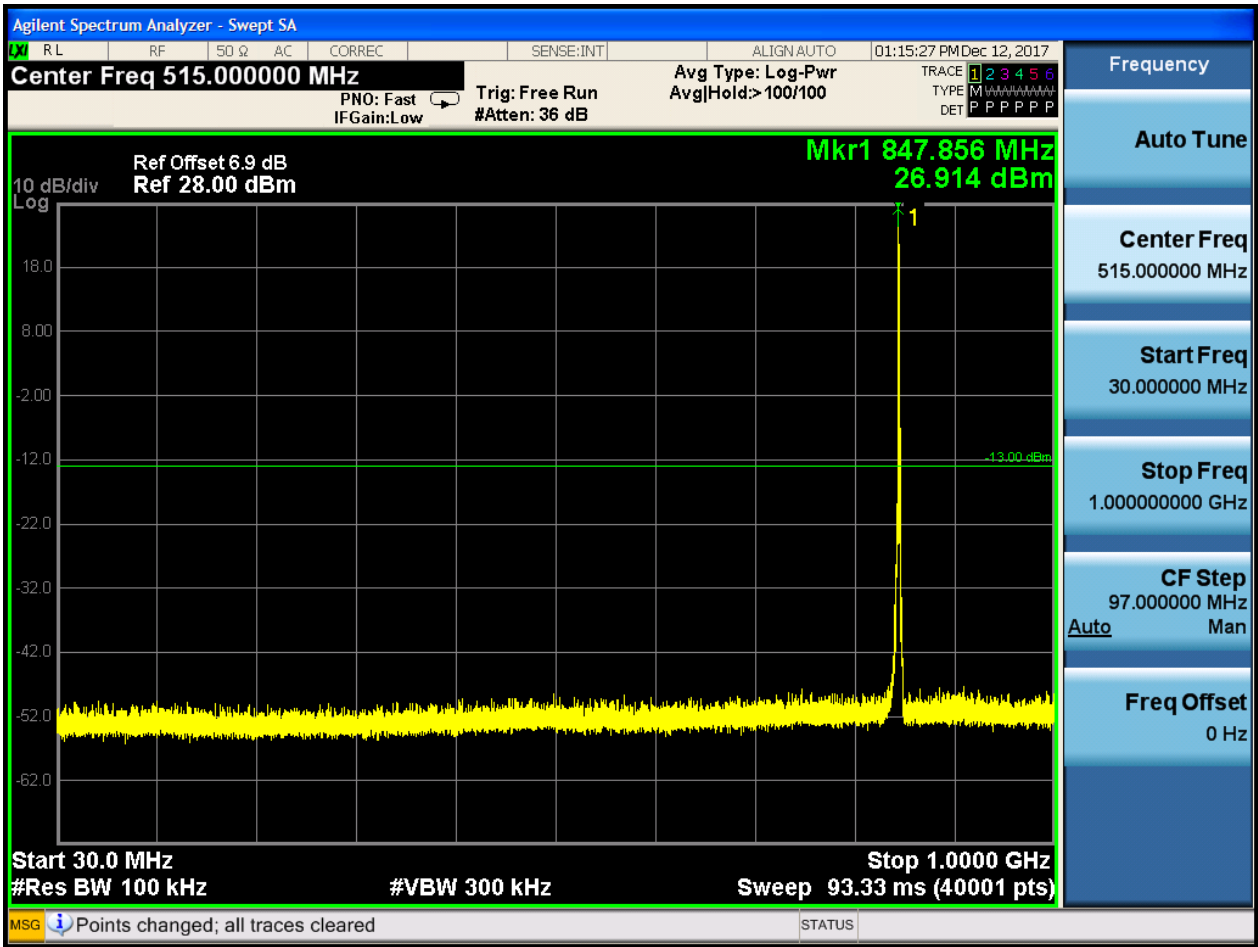


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





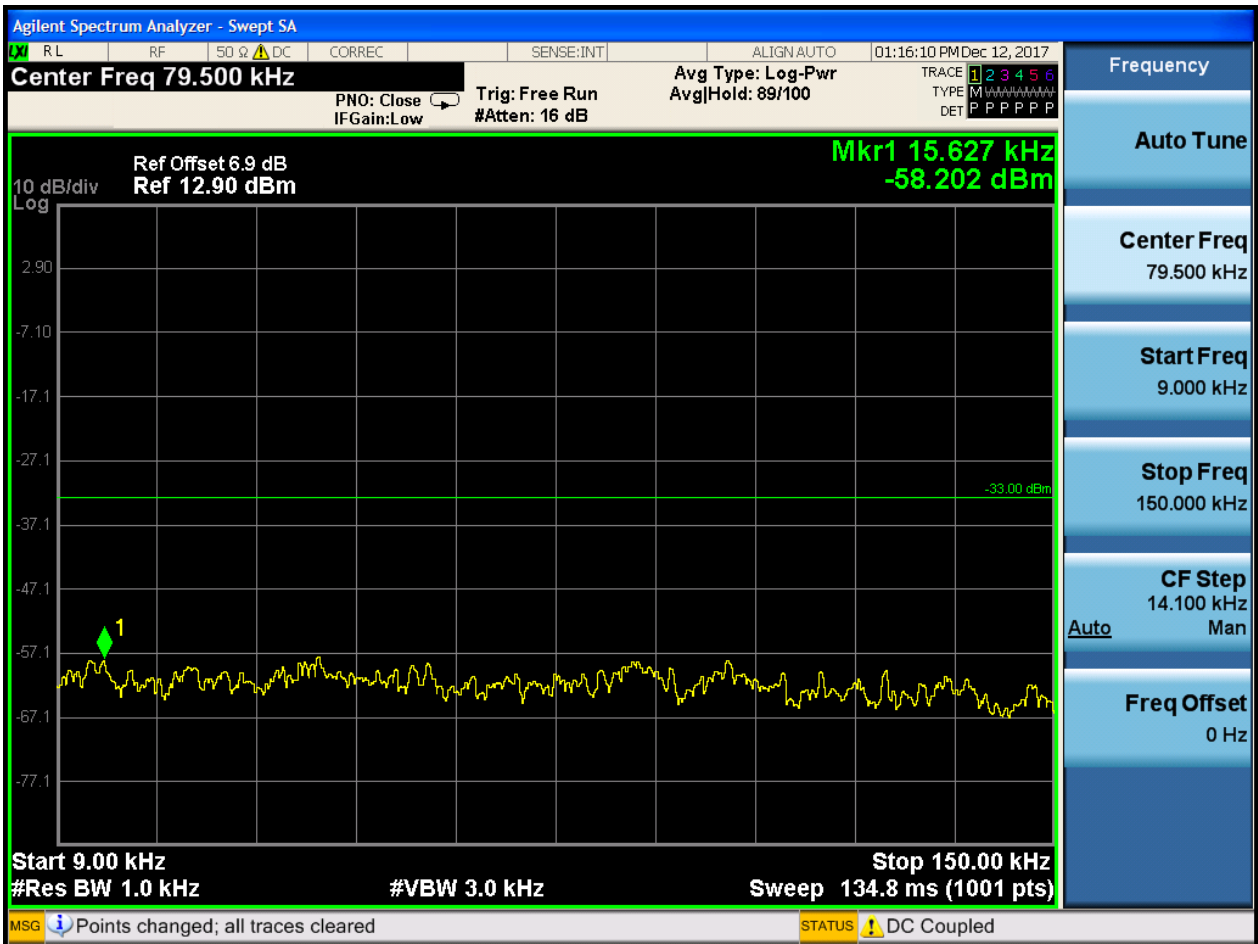


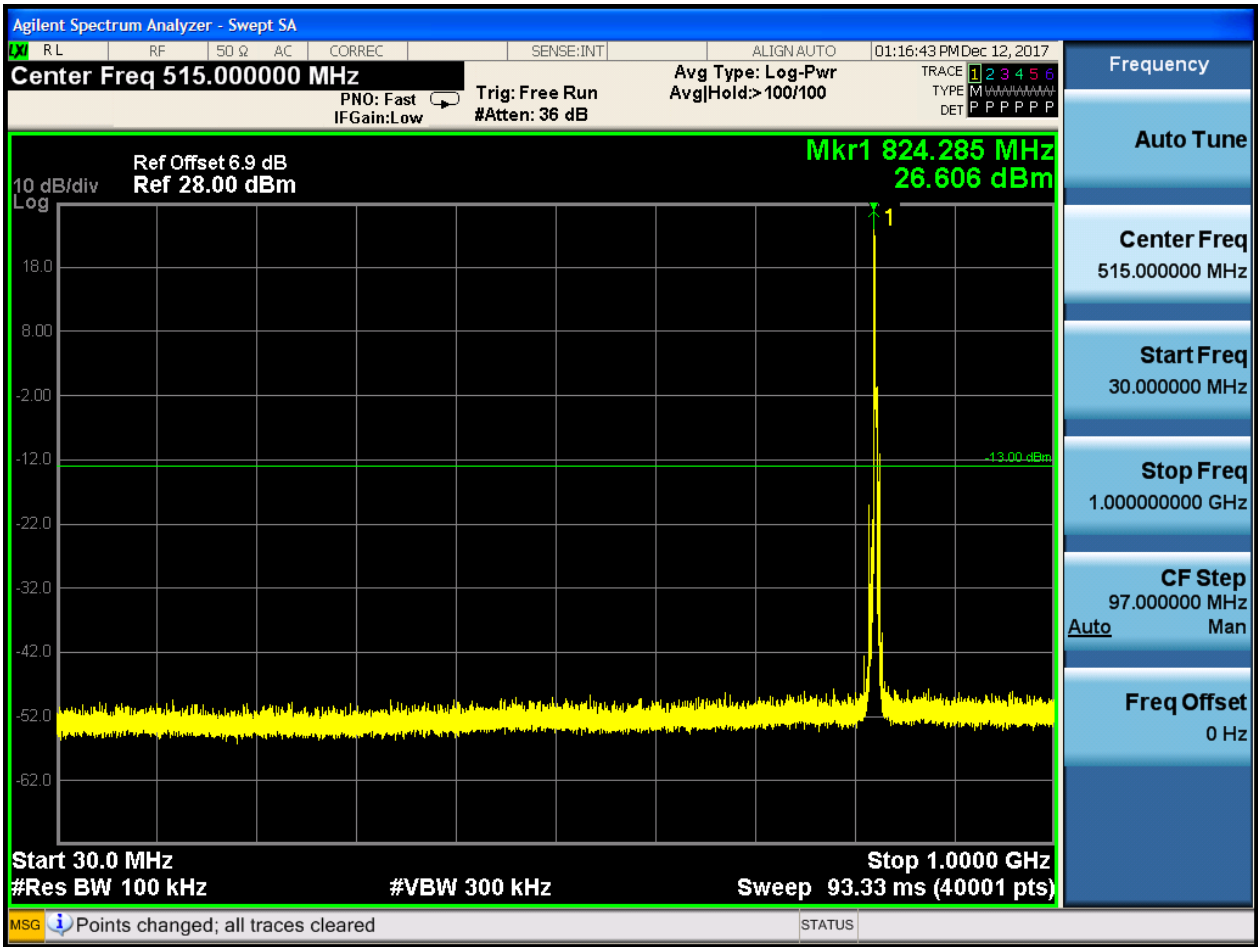


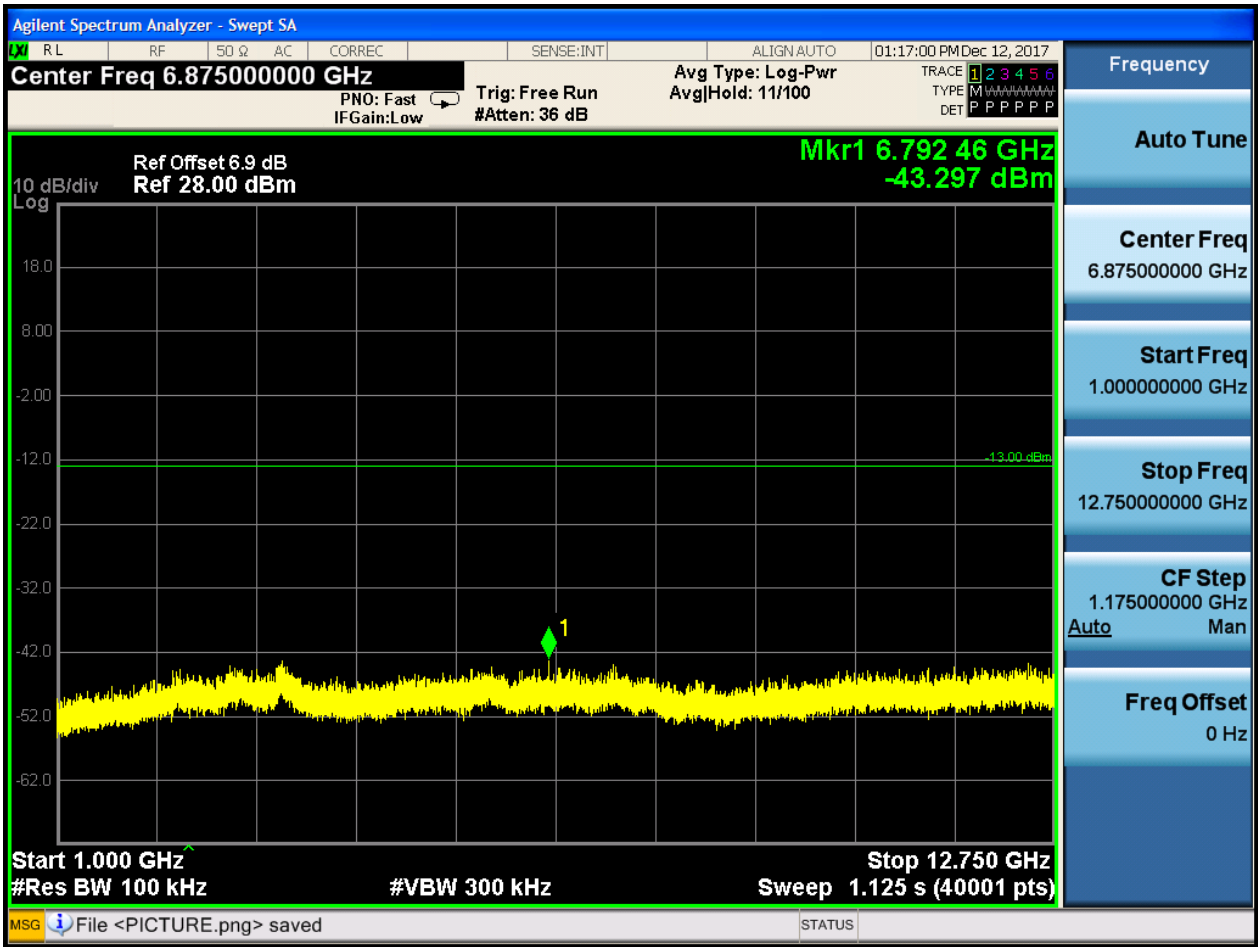
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



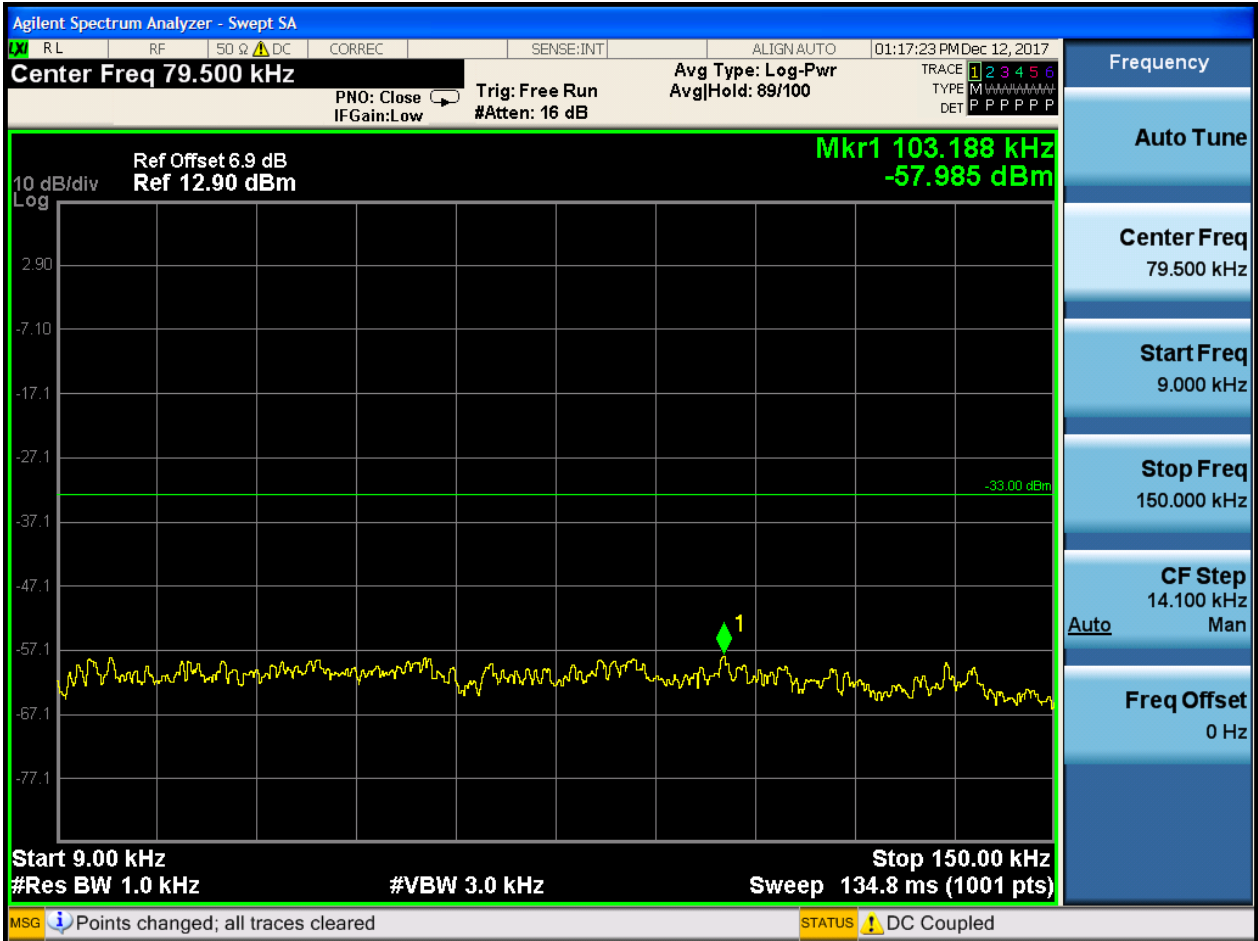


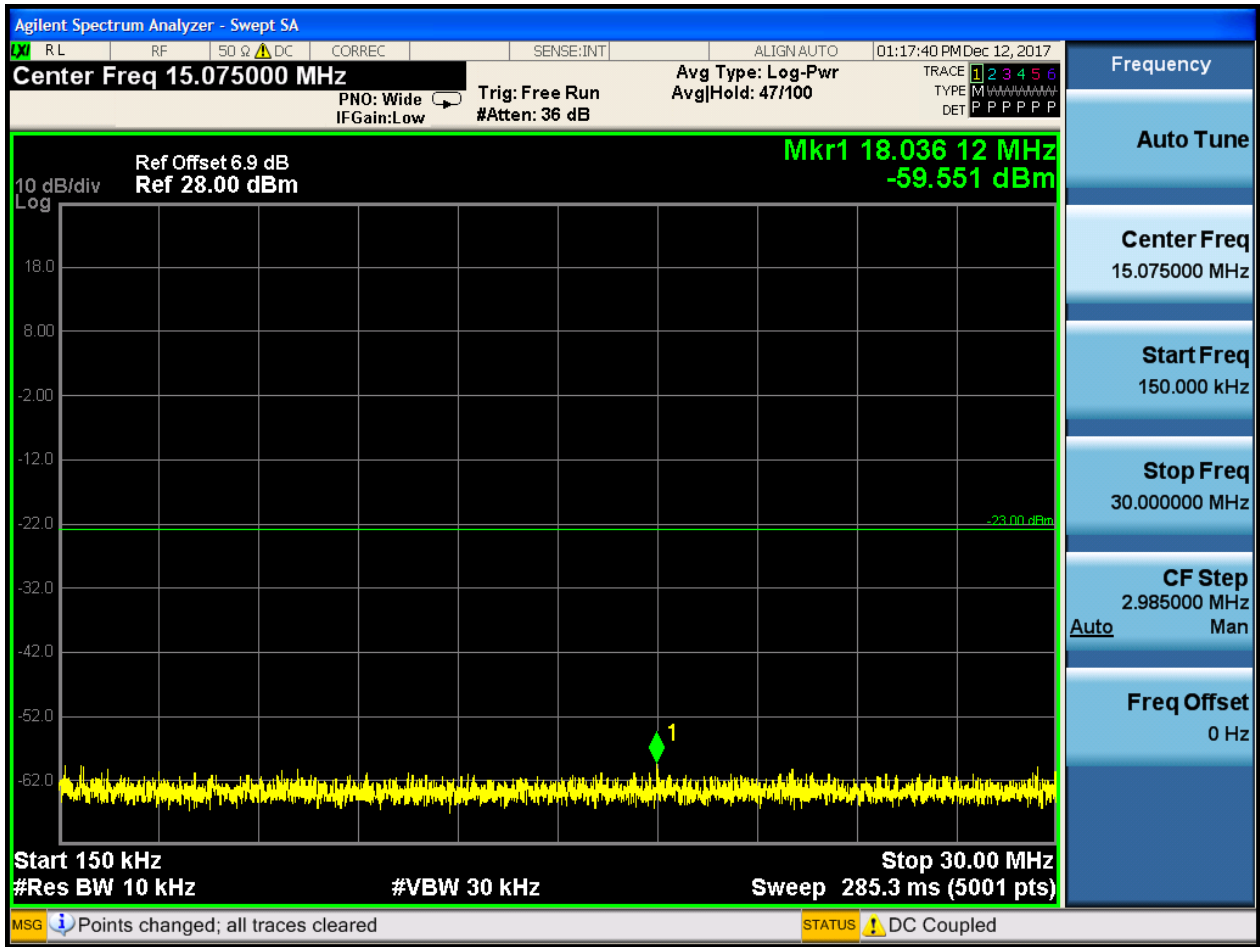


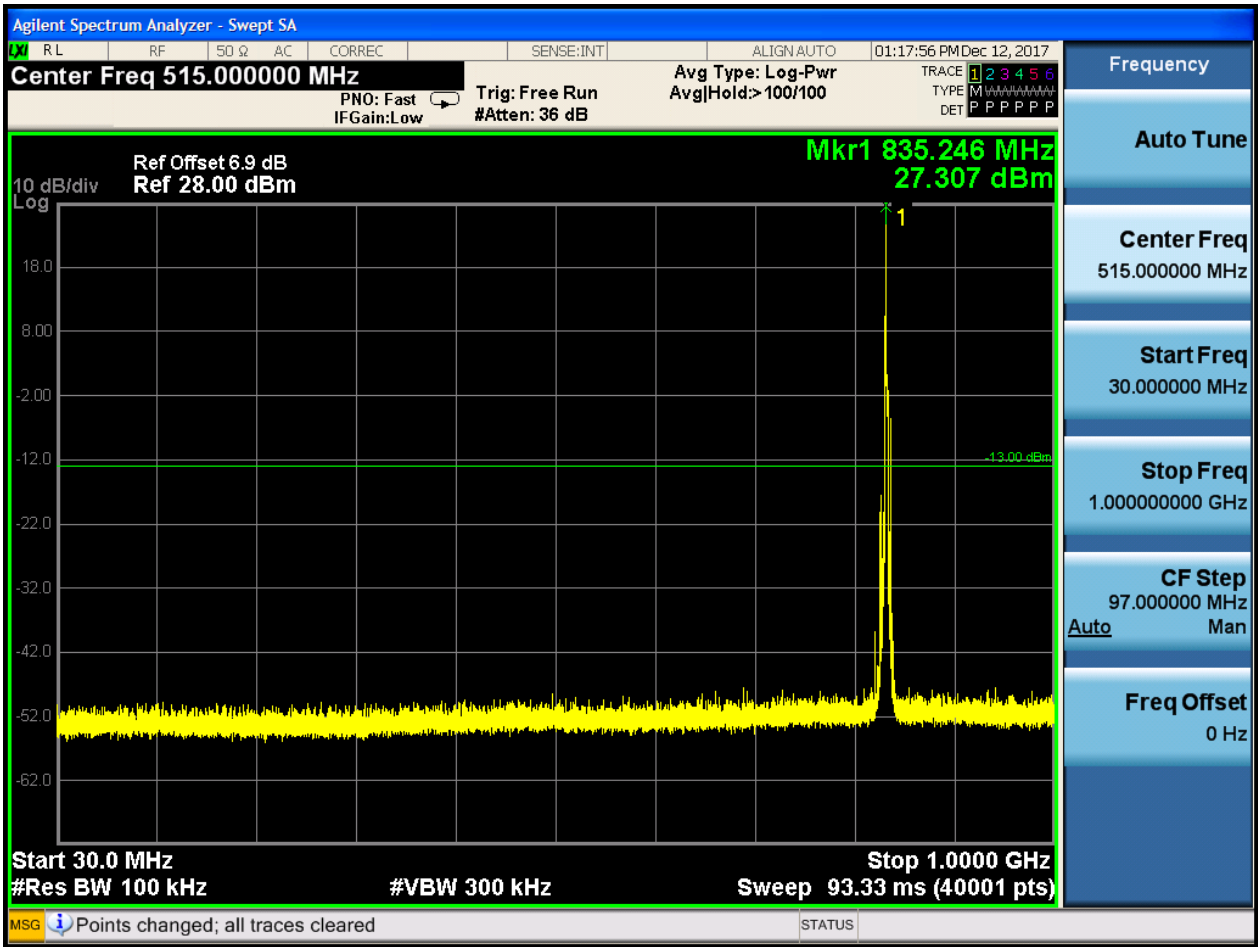


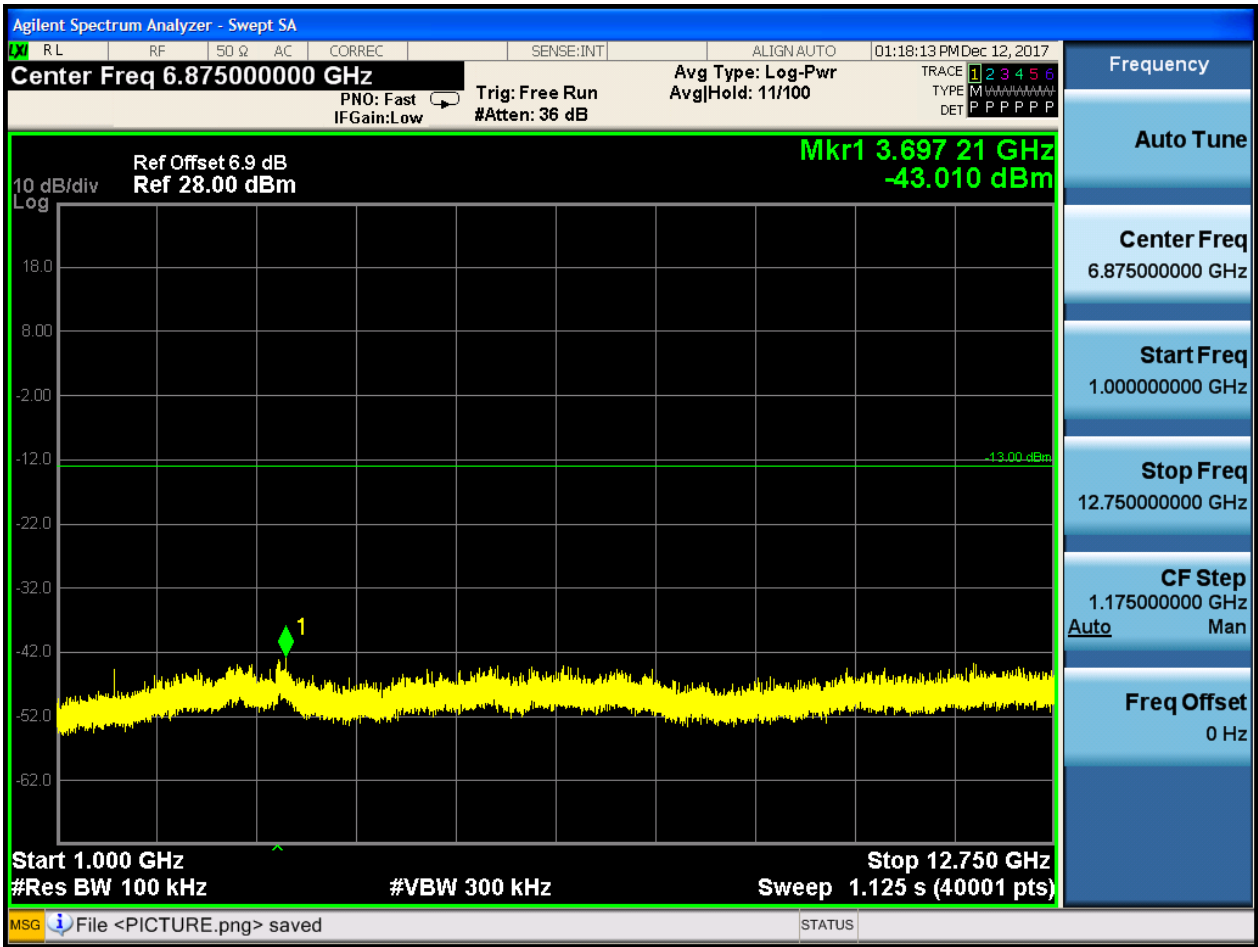
6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0





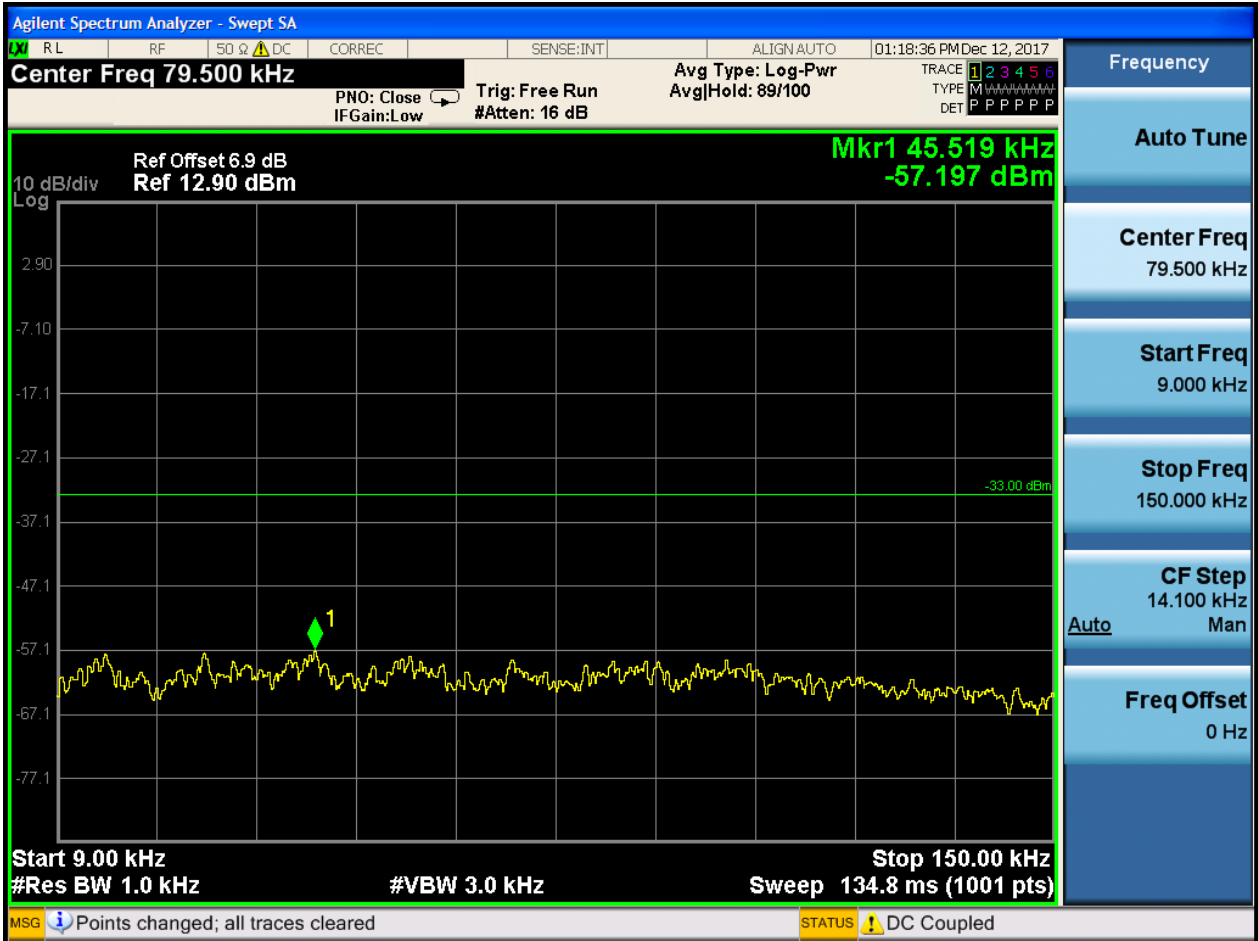


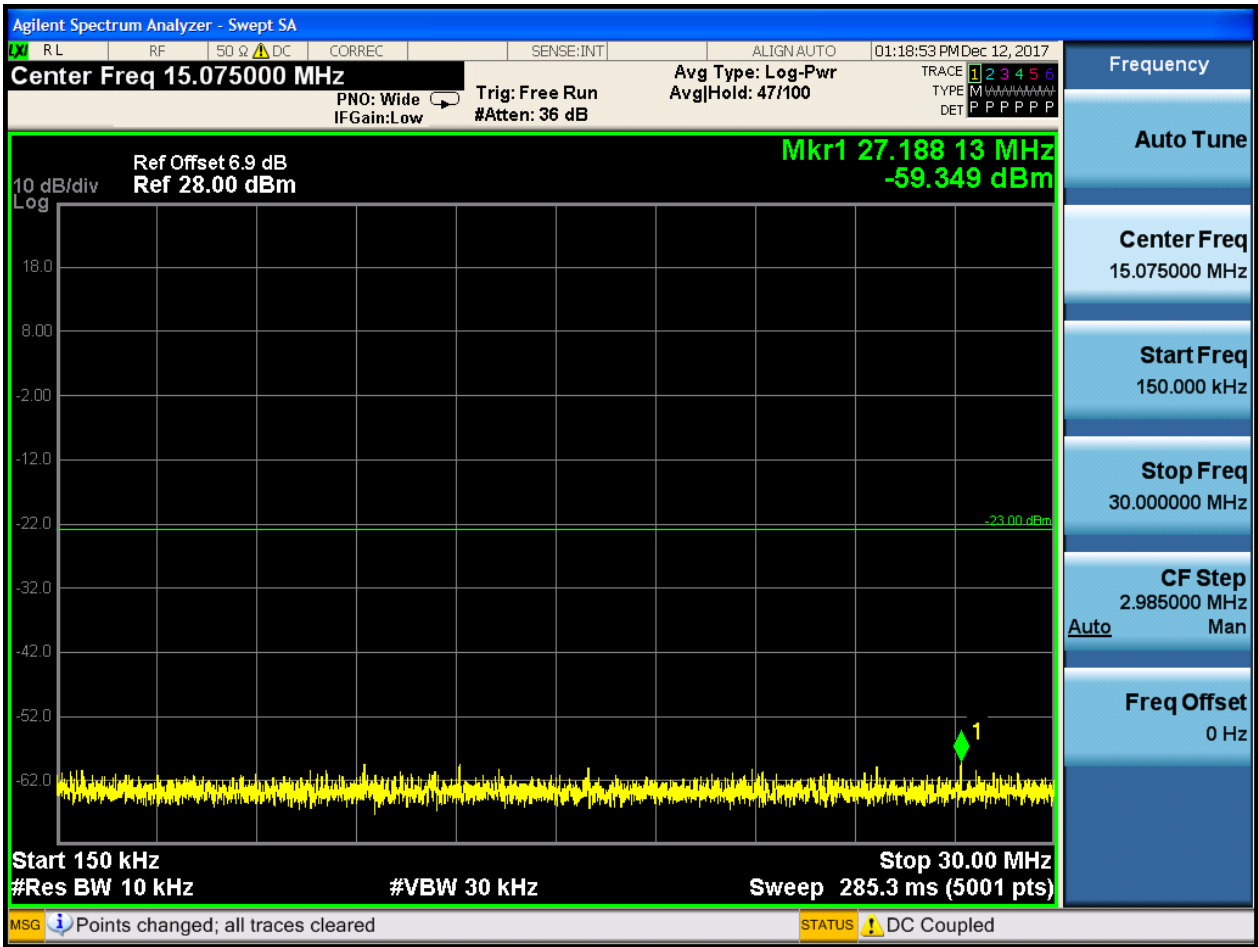


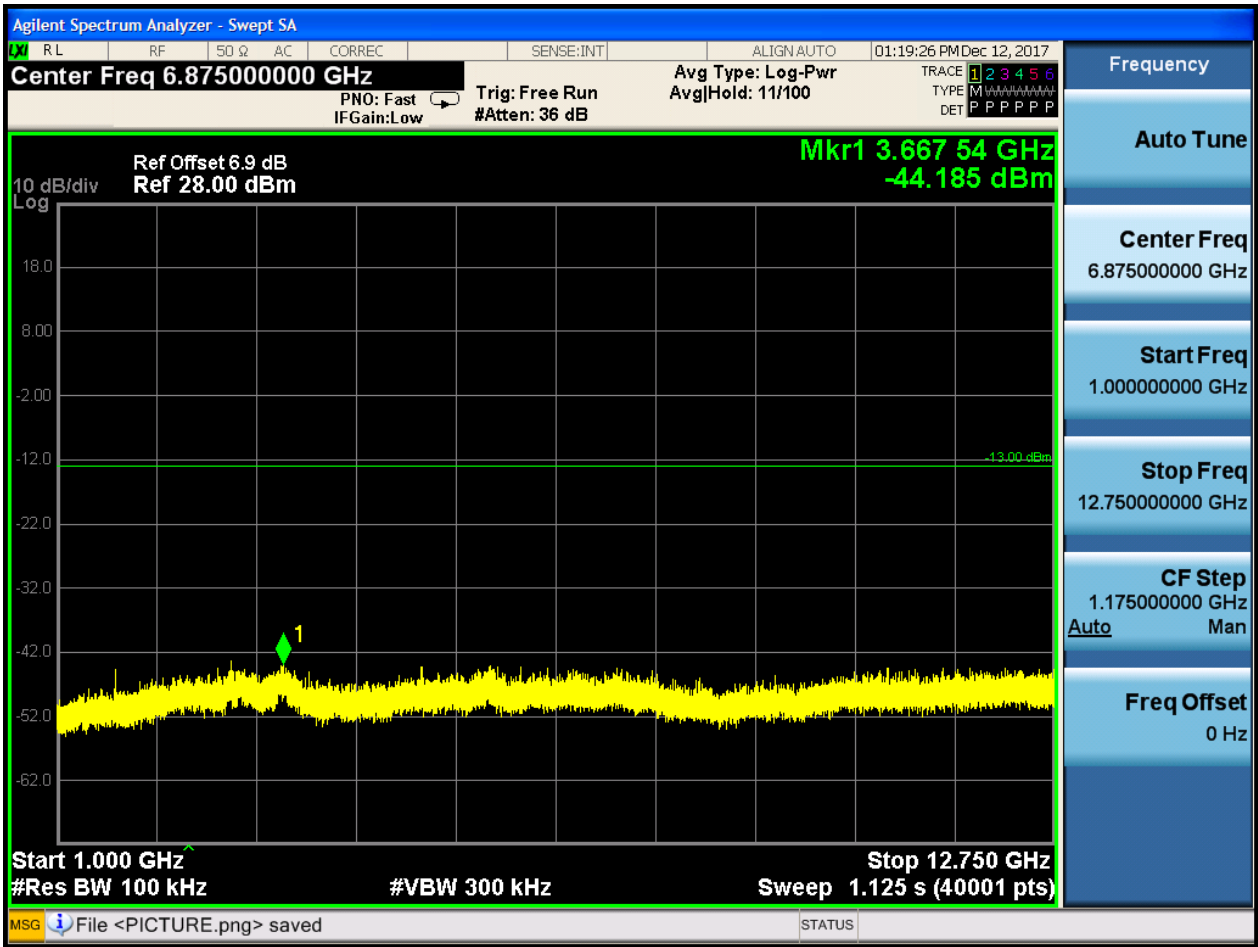


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





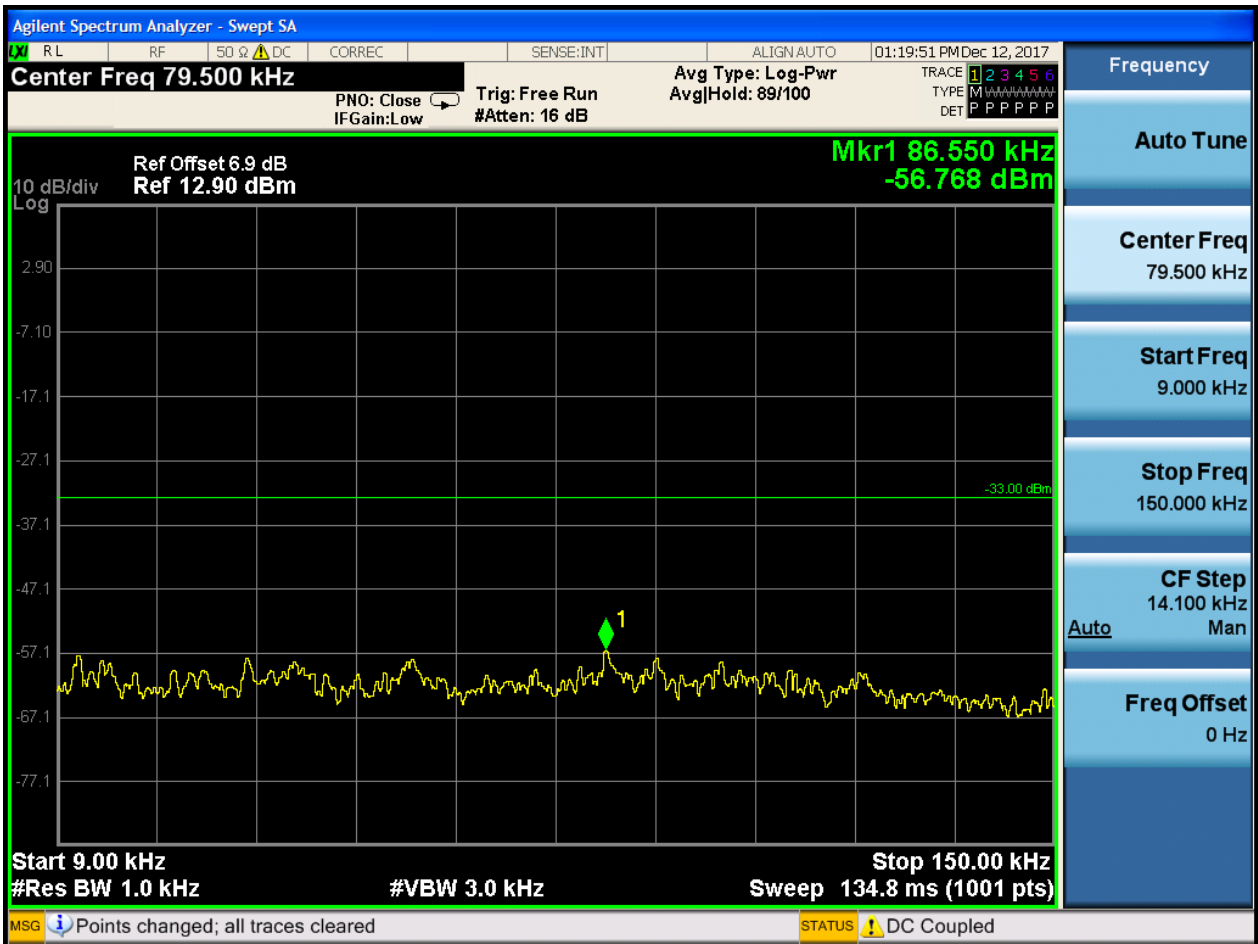


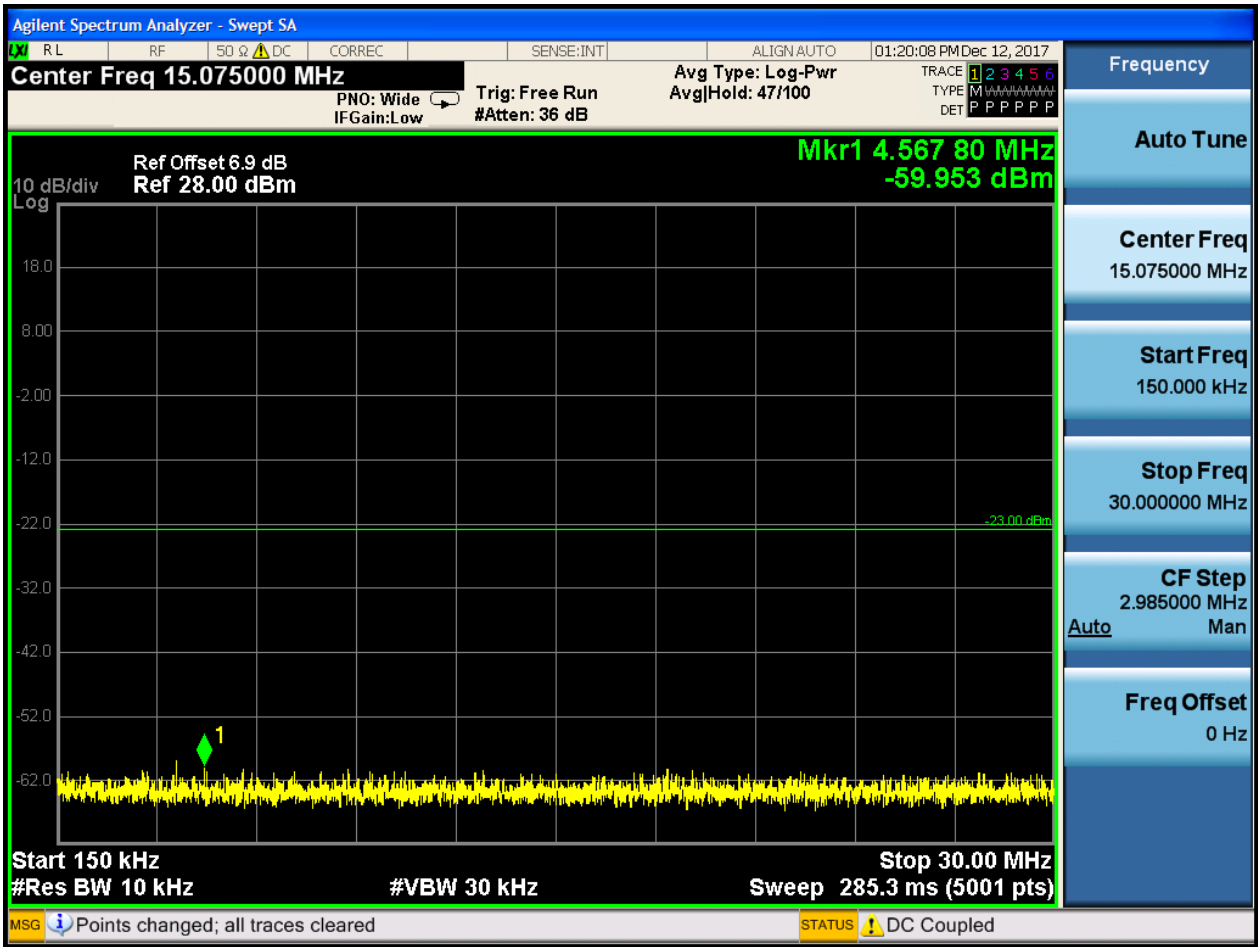


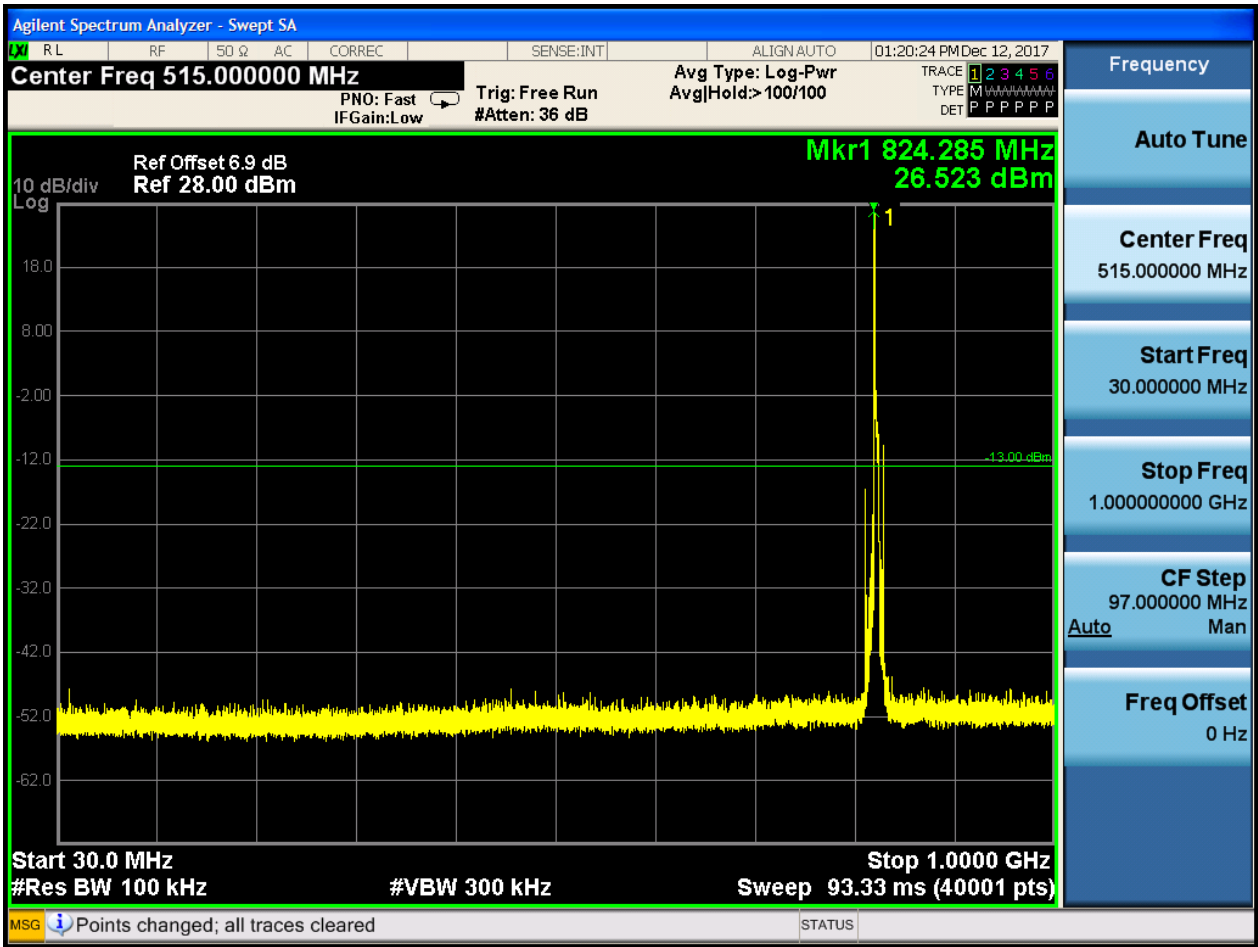
6.1.1.2.3 Test Bandwidth = 5

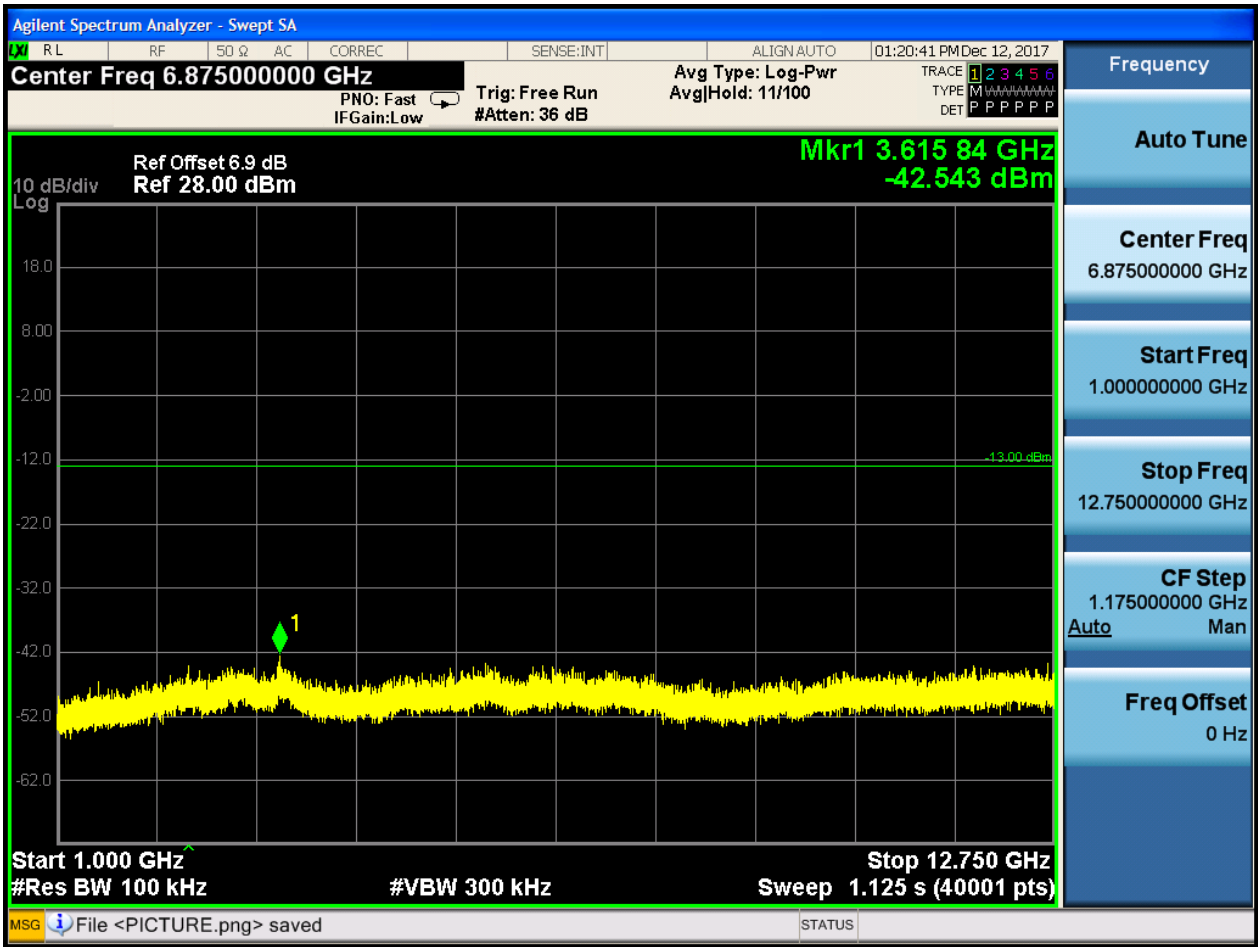
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





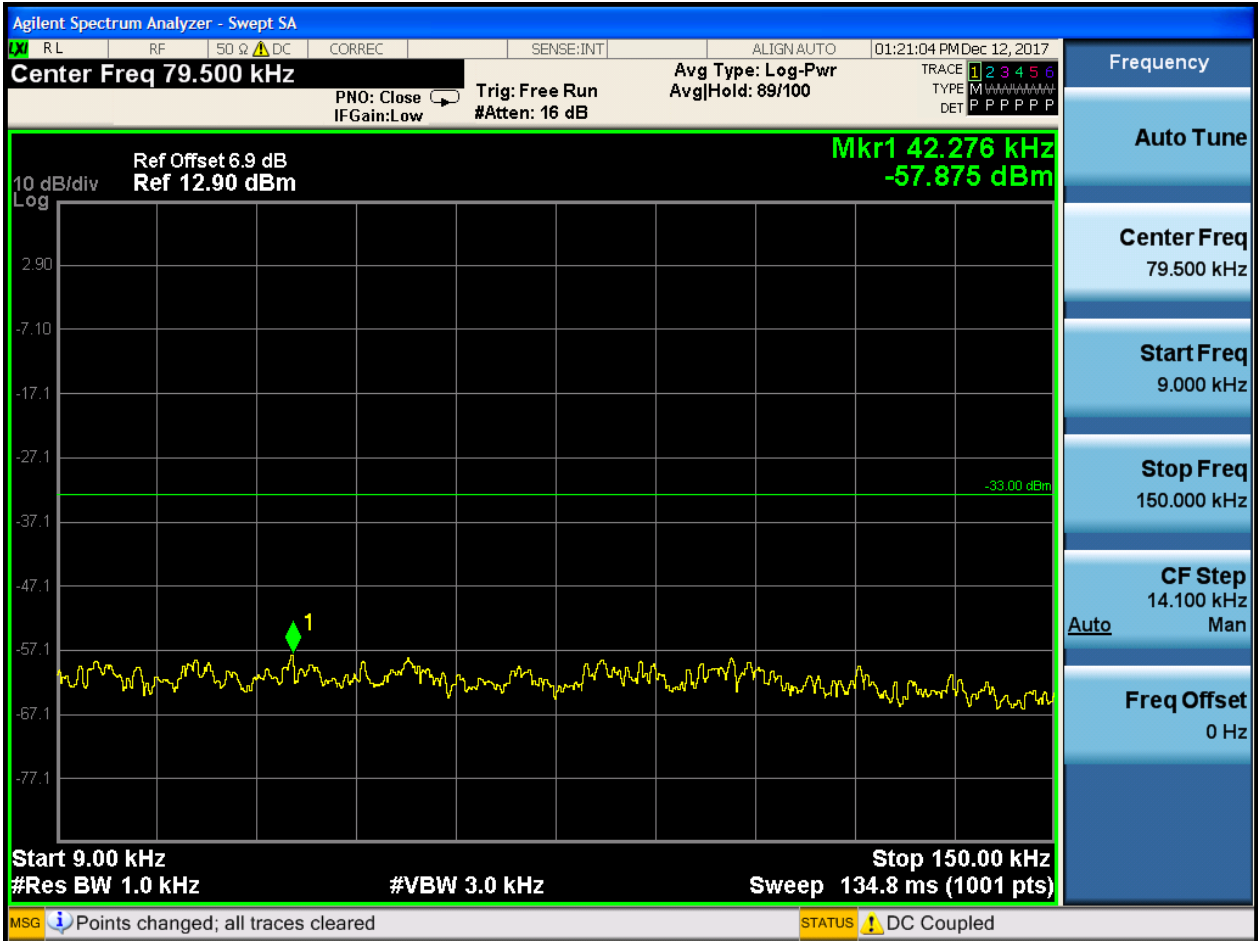


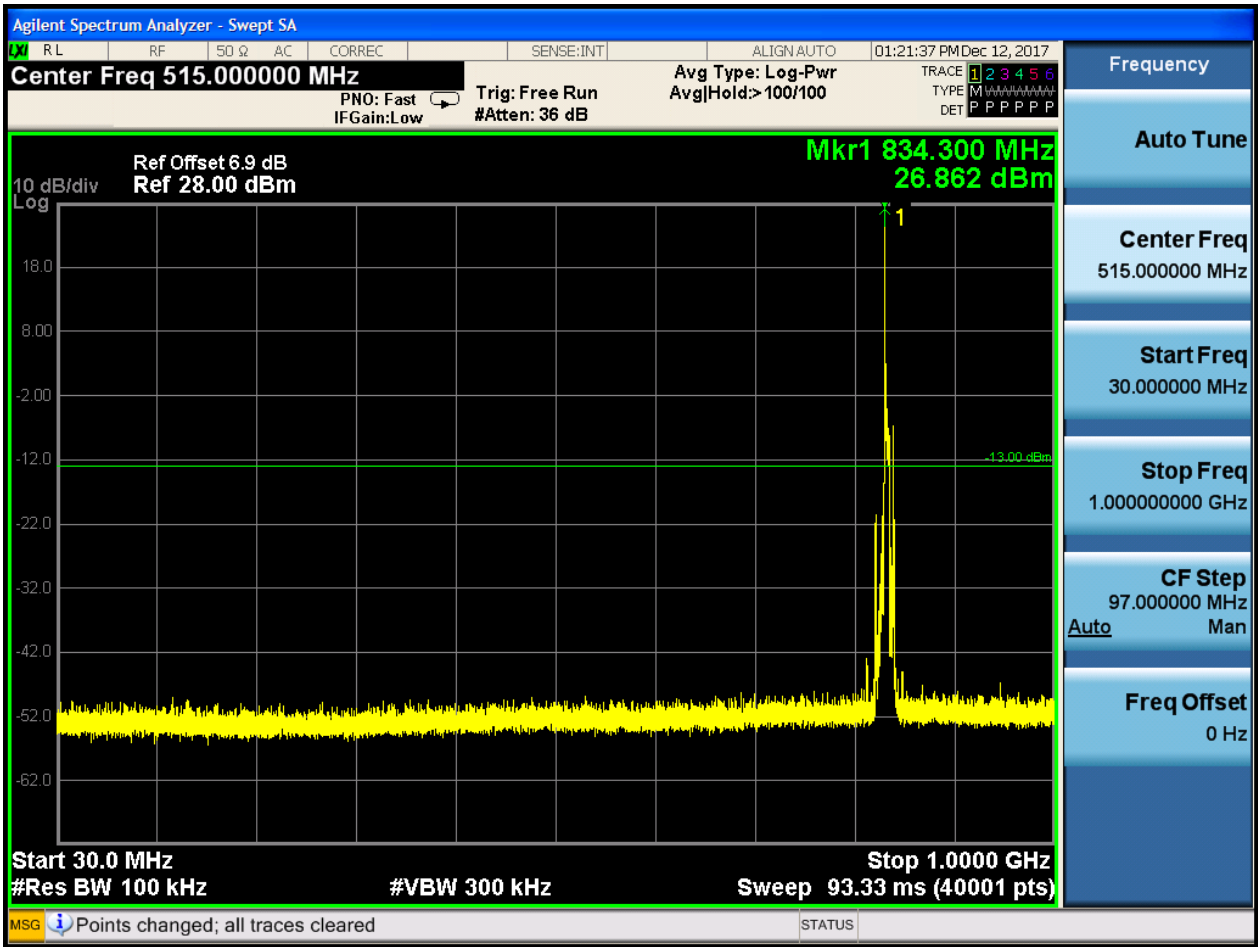




6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

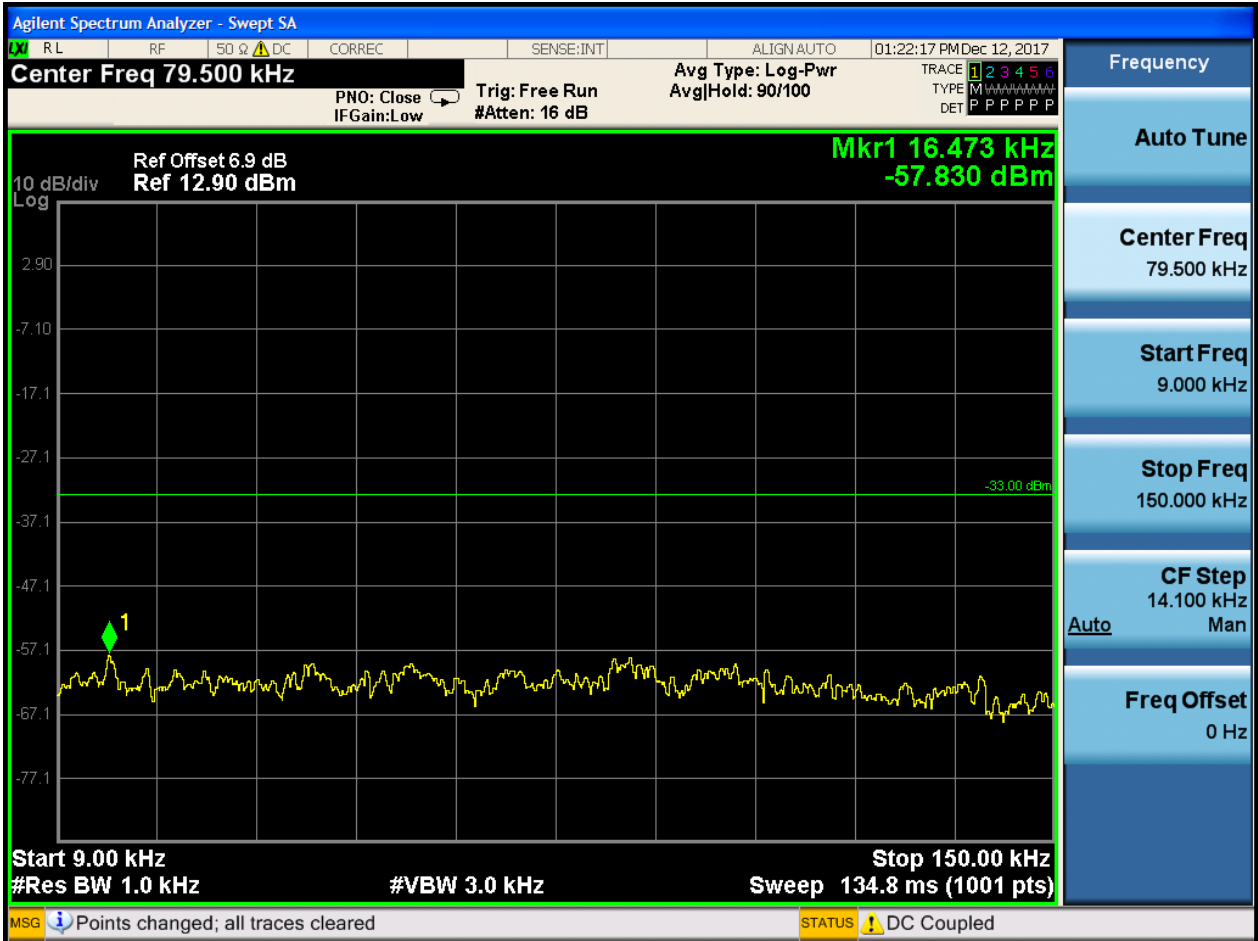


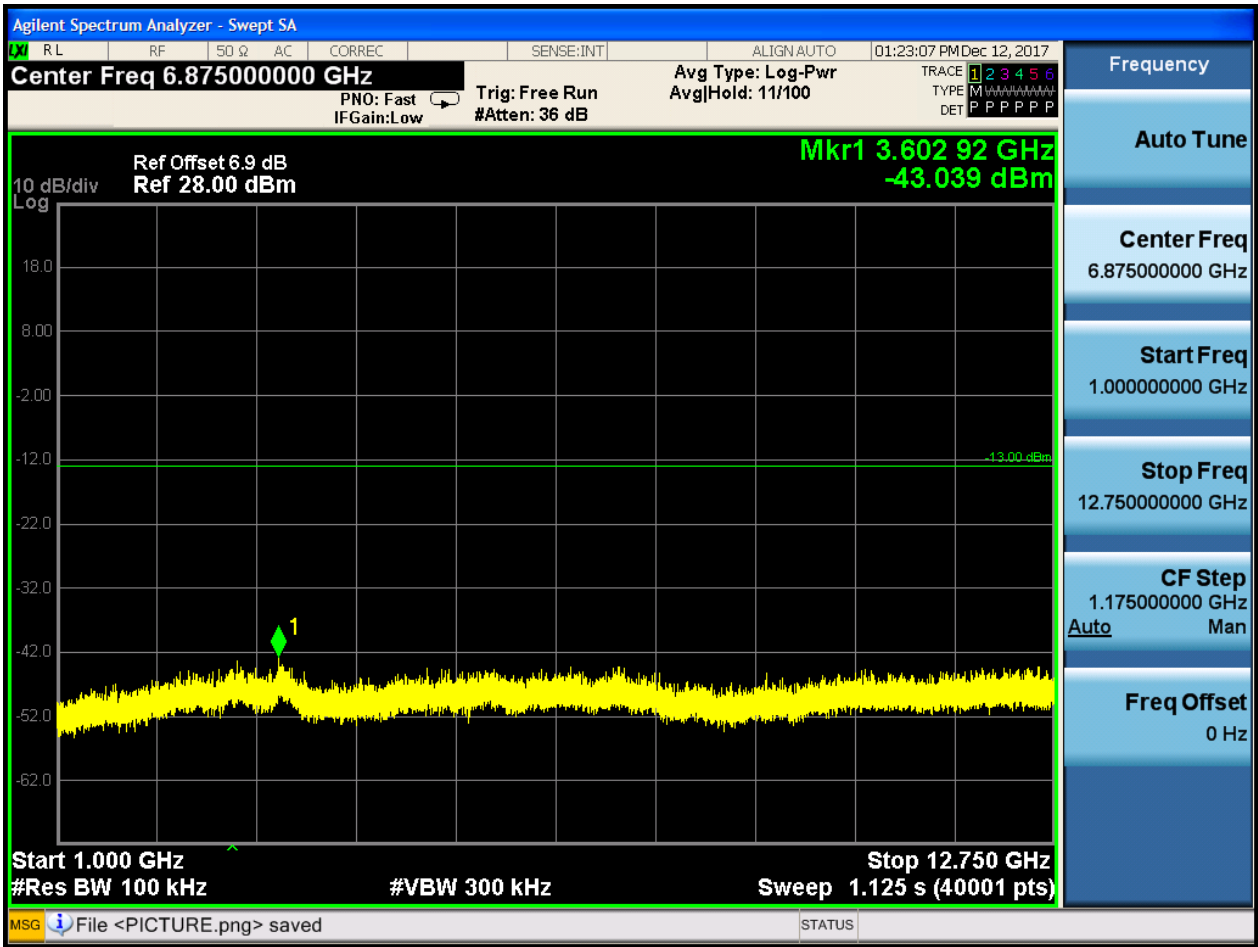




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



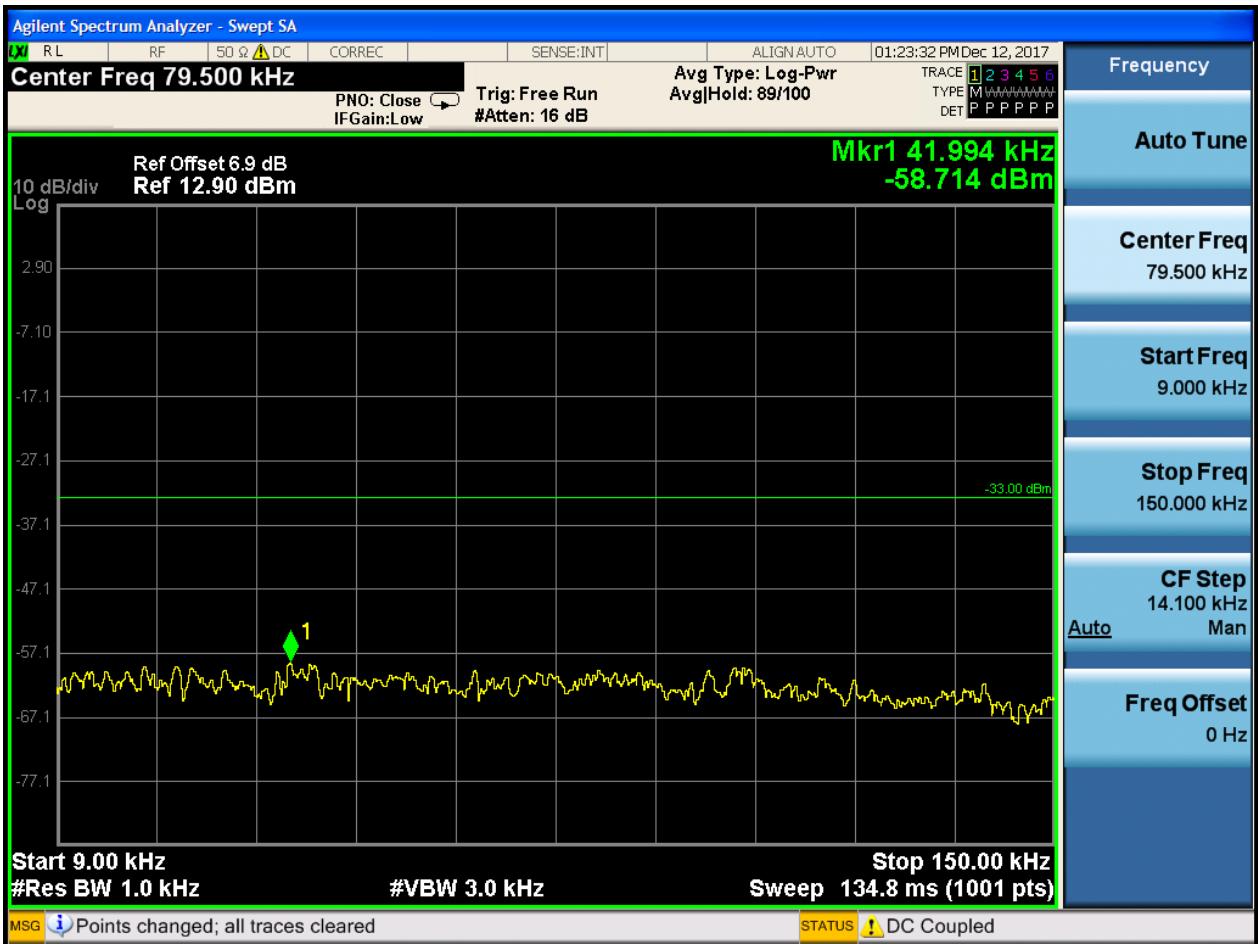


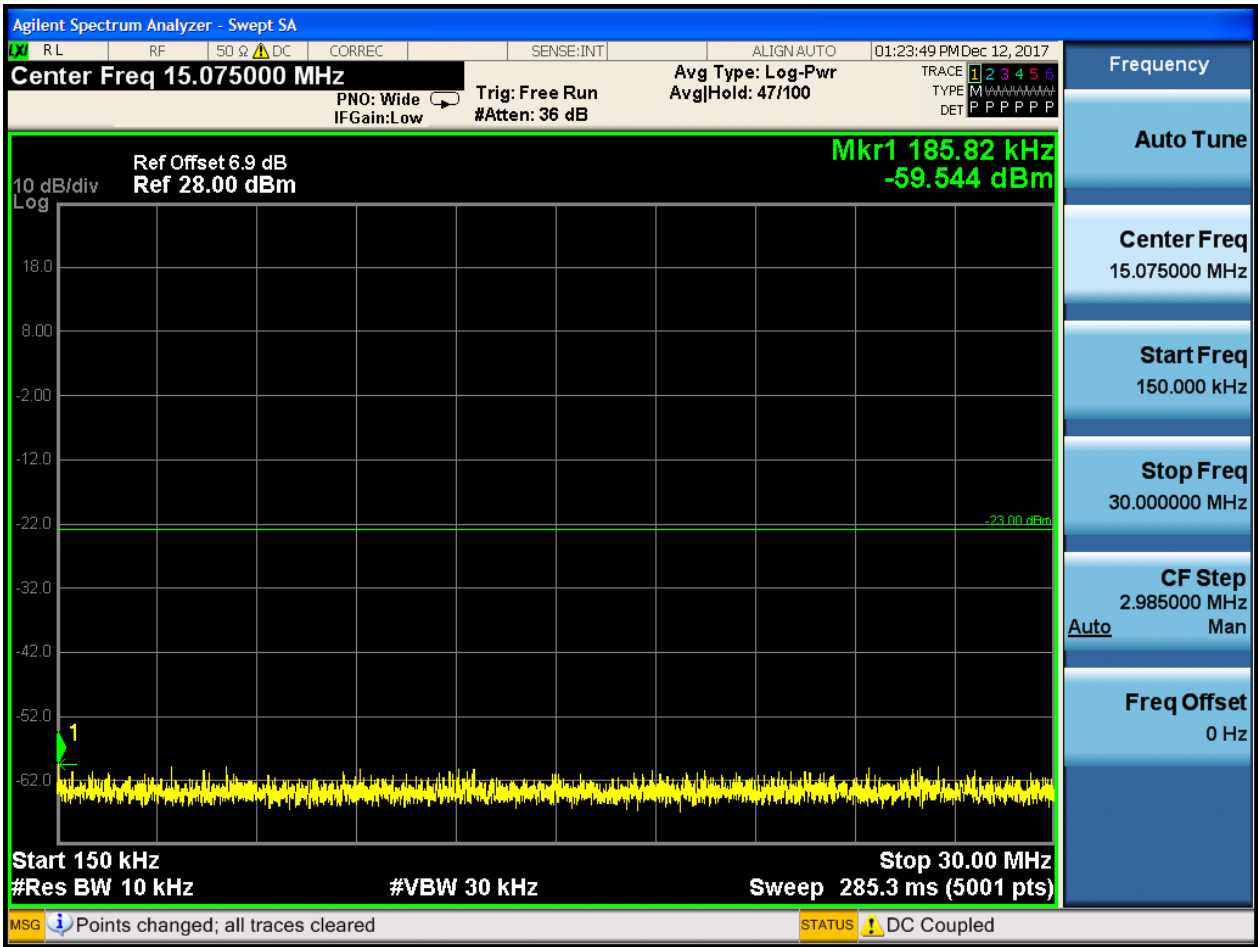


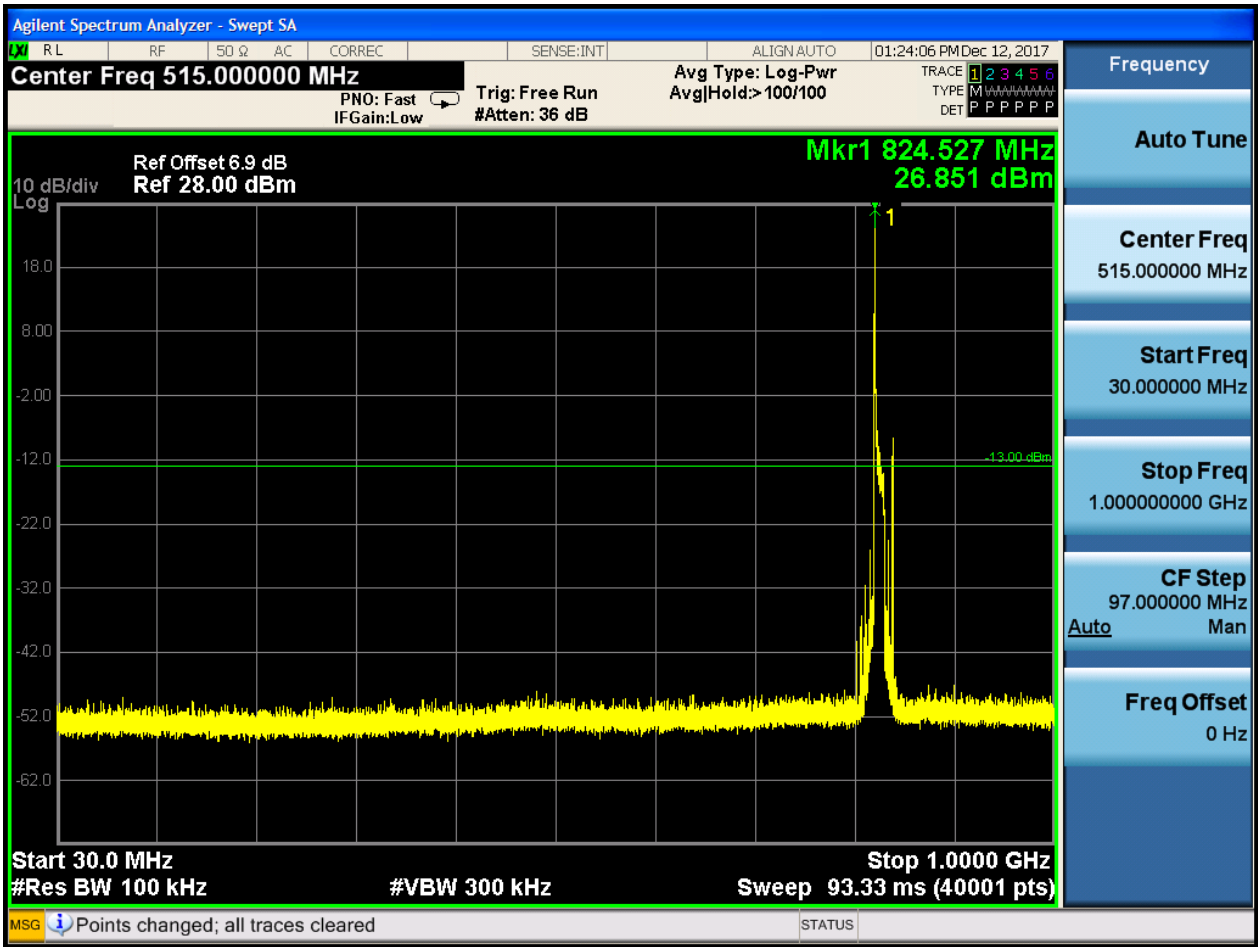
6.1.1.2.4 Test Bandwidth = 10

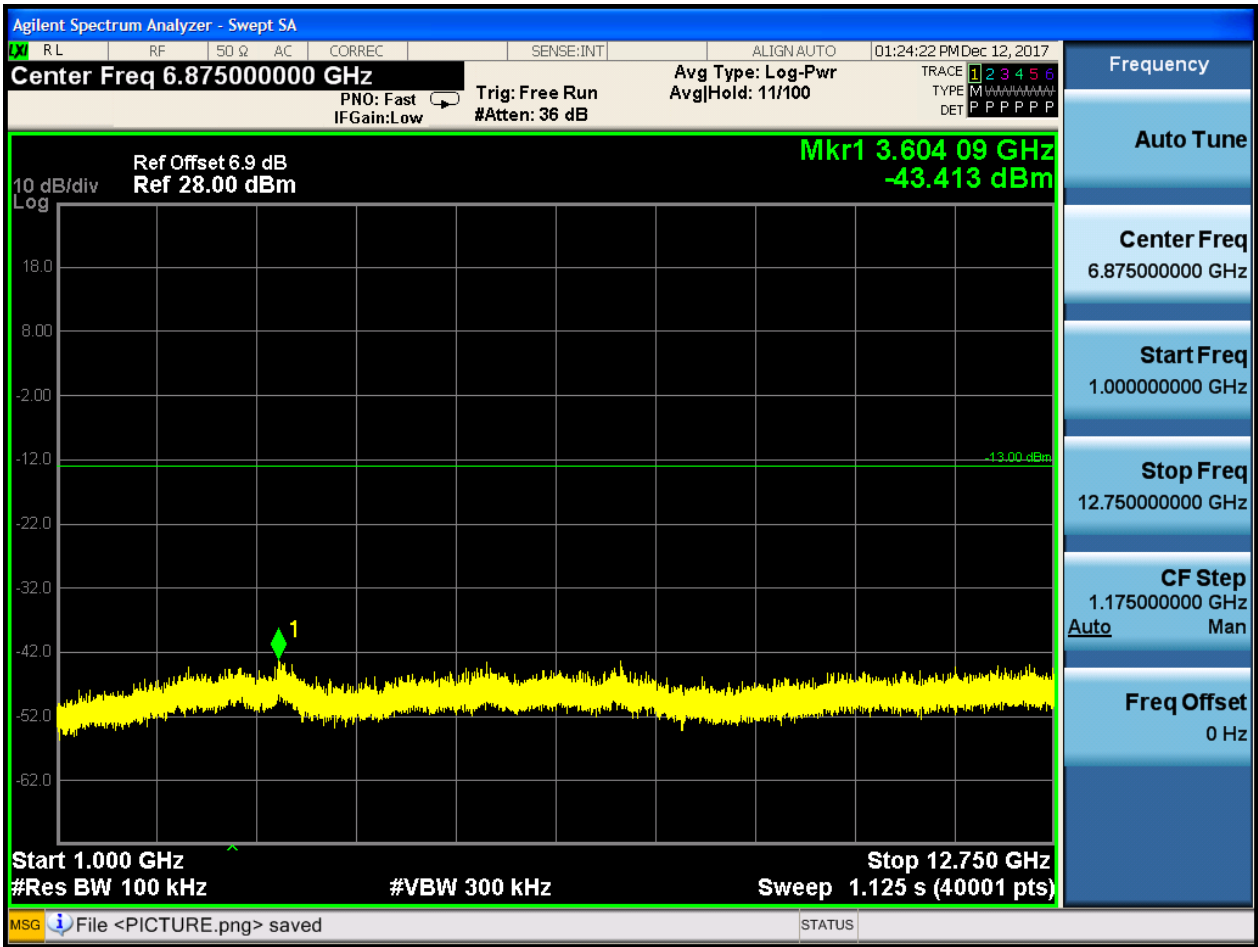
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





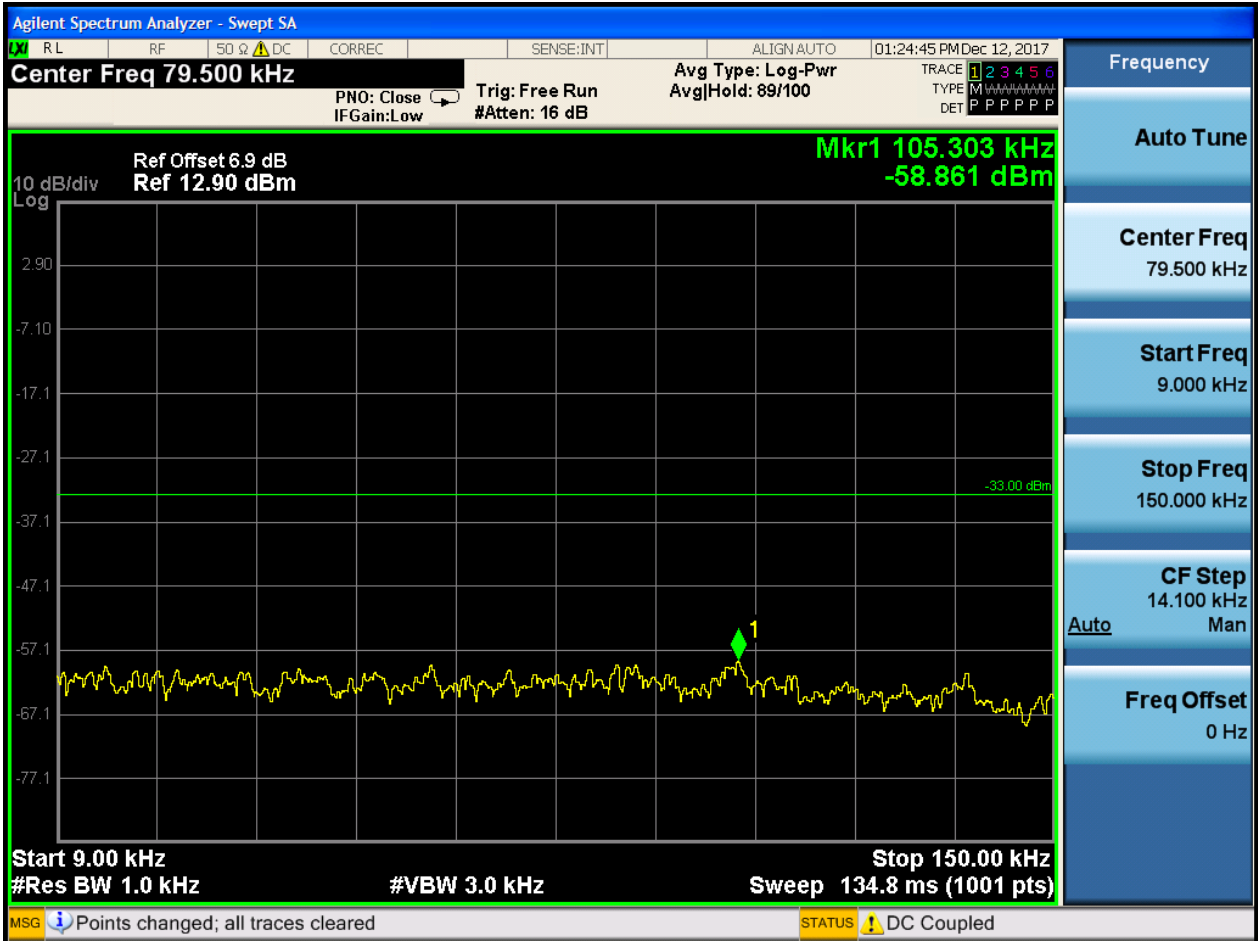


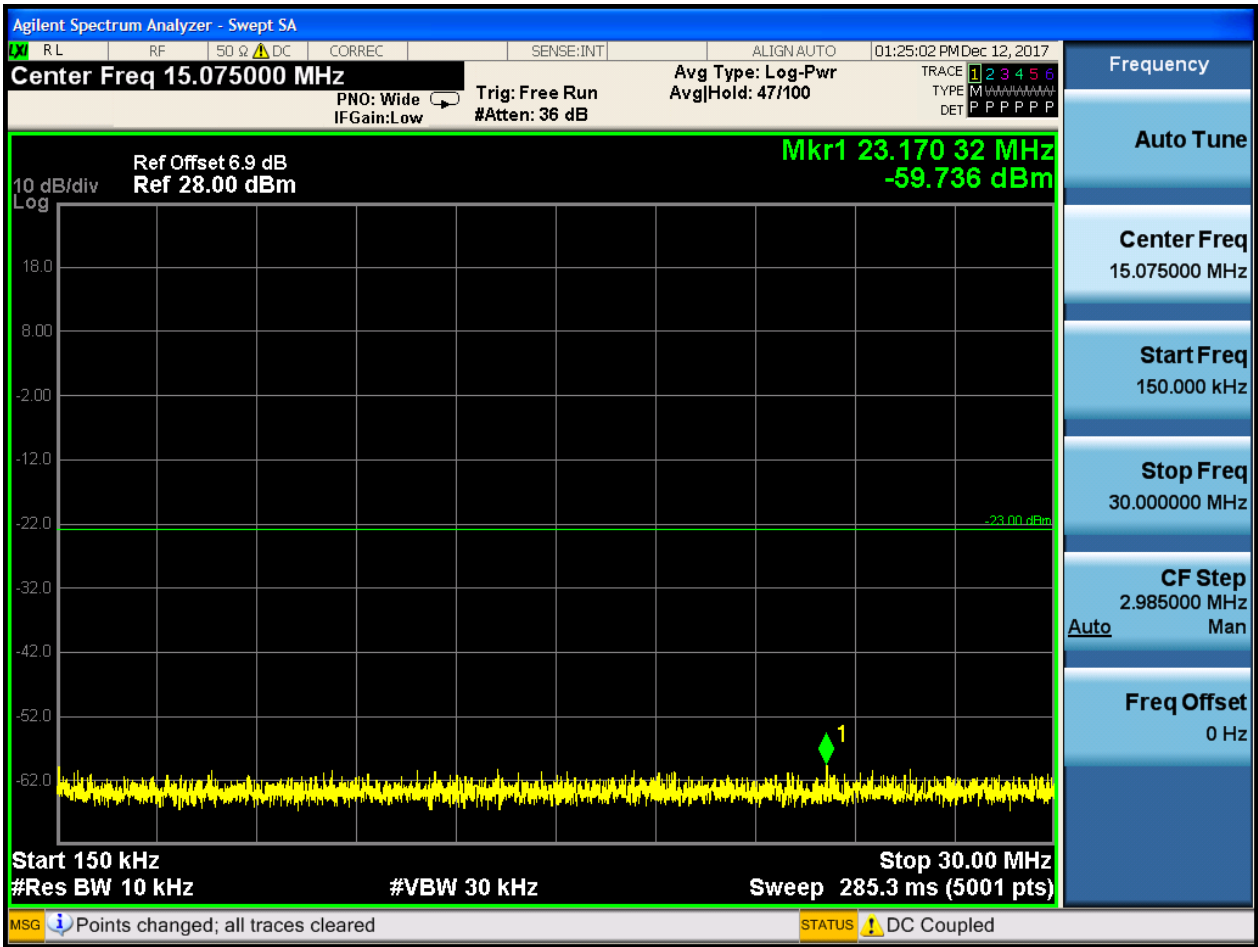


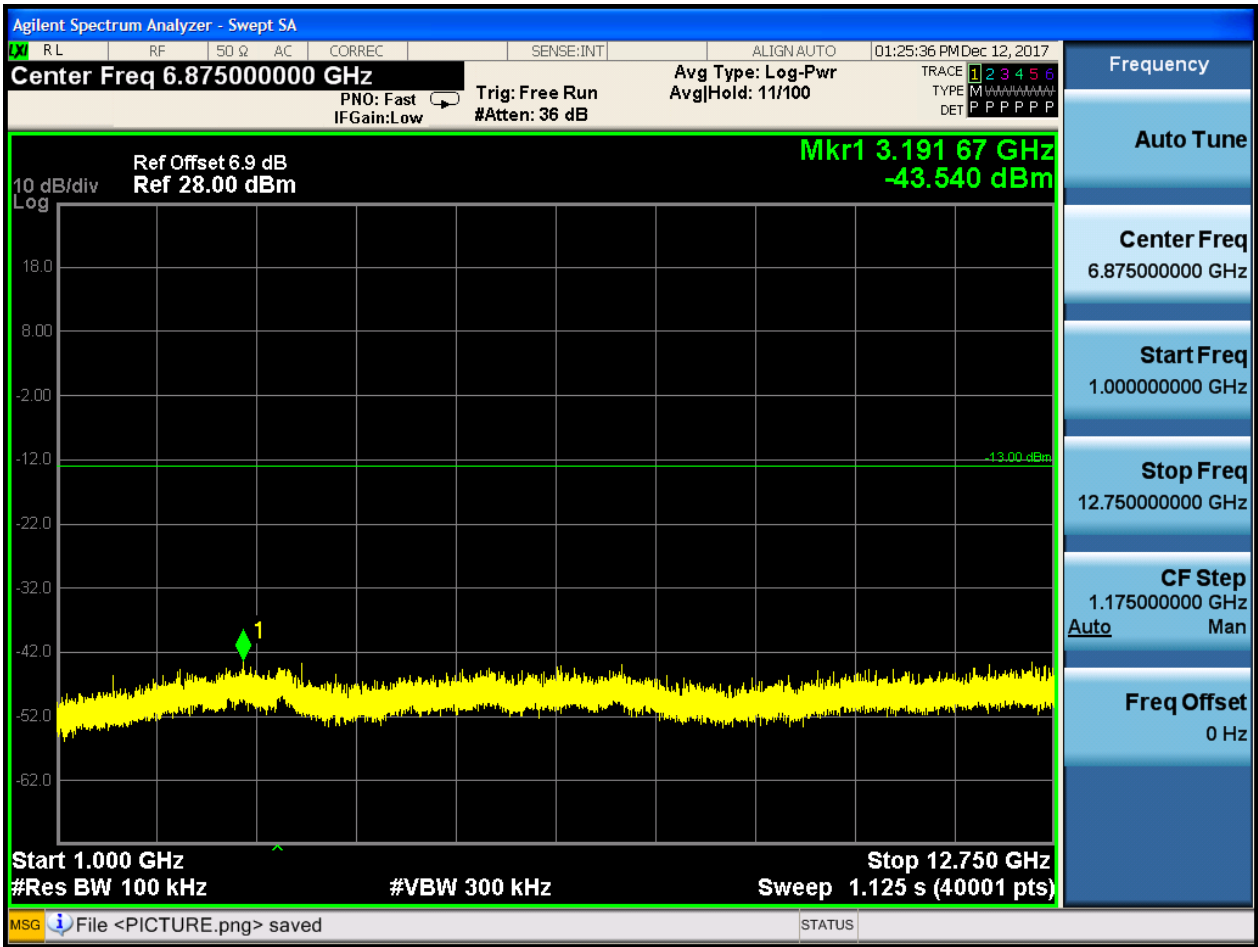


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



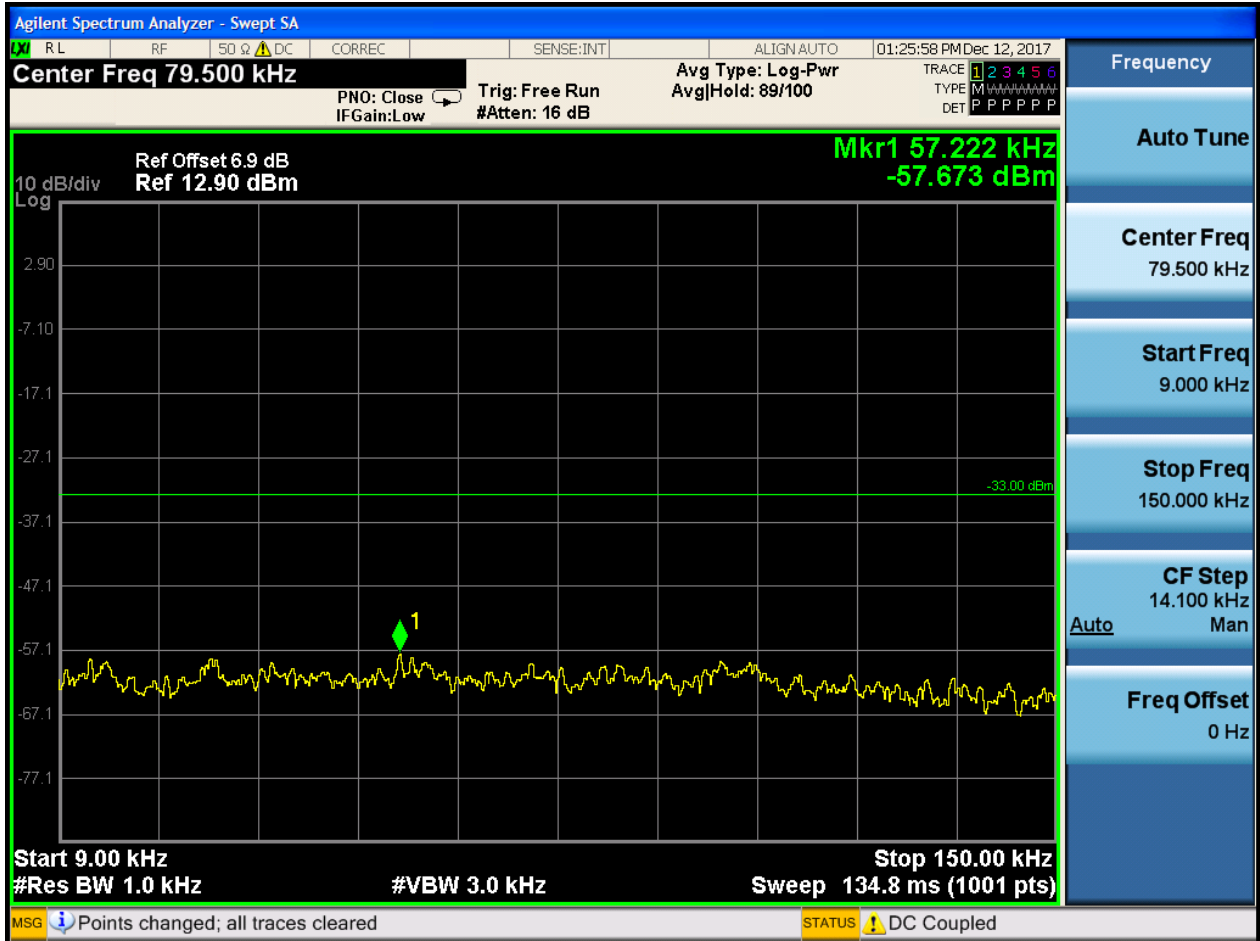


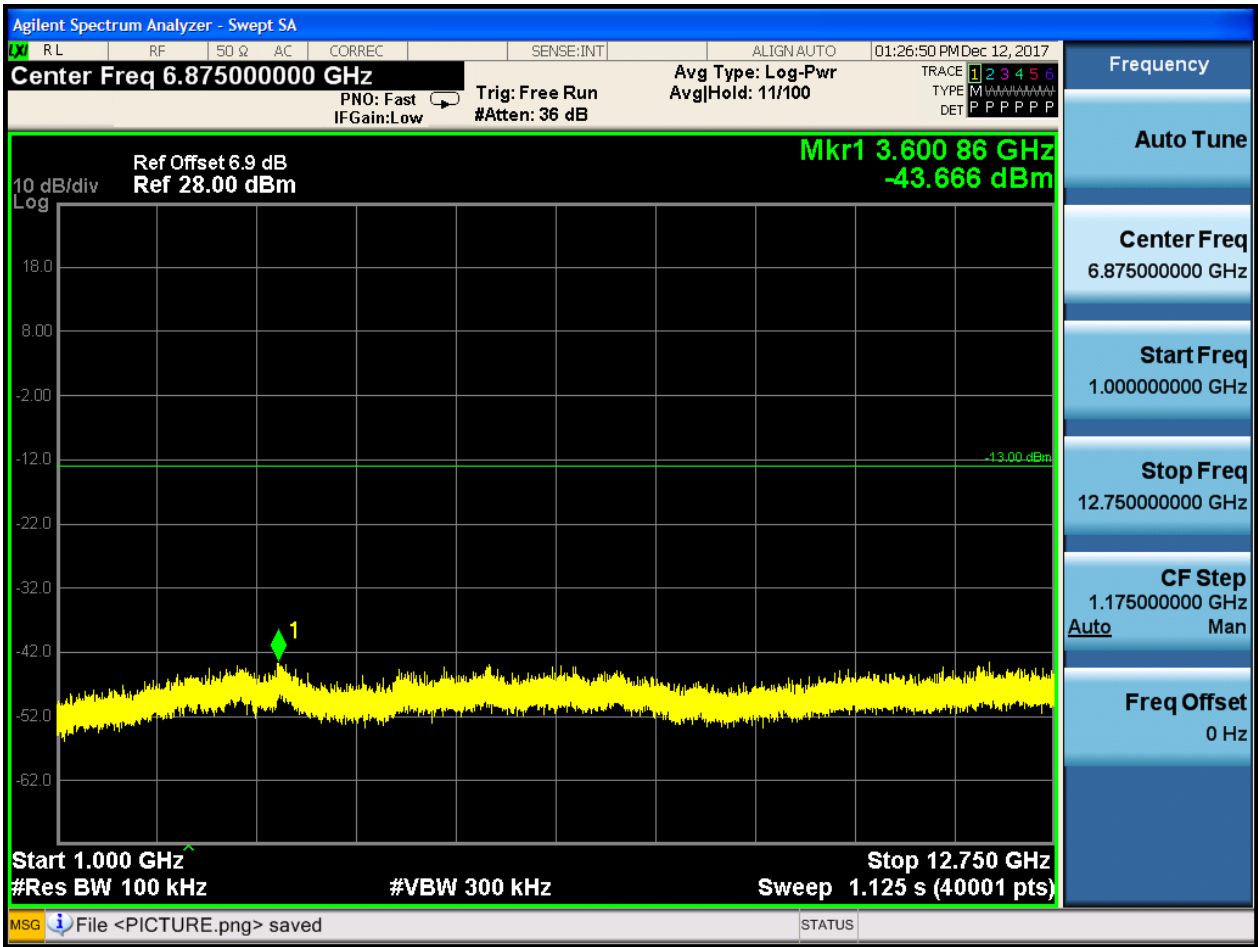




6.1.1.2.4.3 Test Channel = HCH

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.

9 kHz~150 kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150 kHz~30MHz, RBW = 9 kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

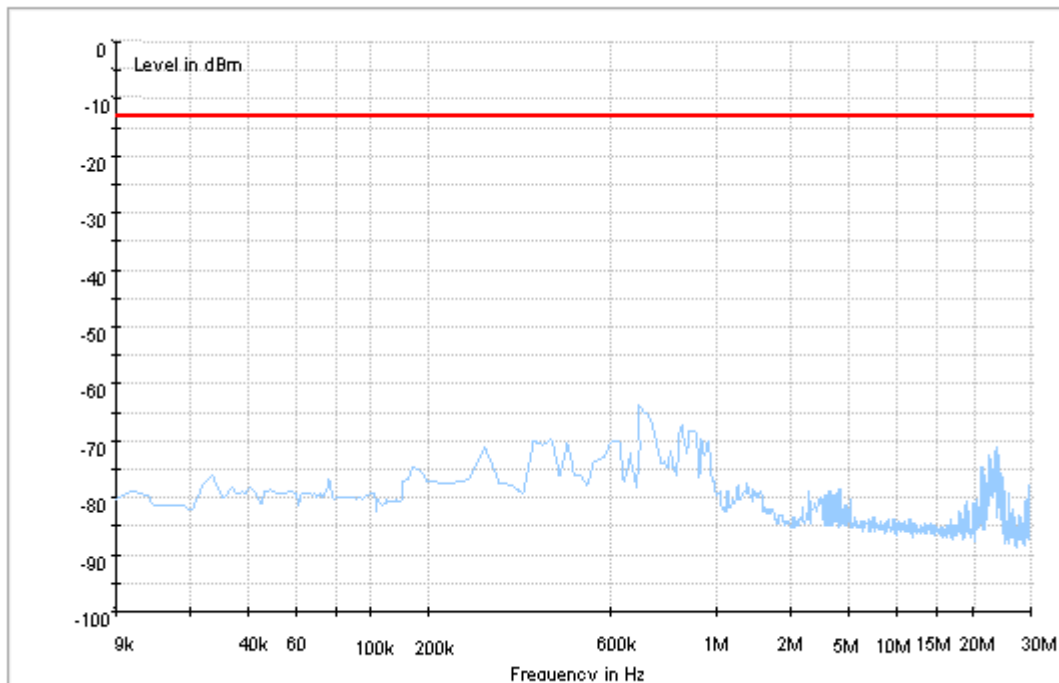
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz Detector: PK

Part I - Test Plots

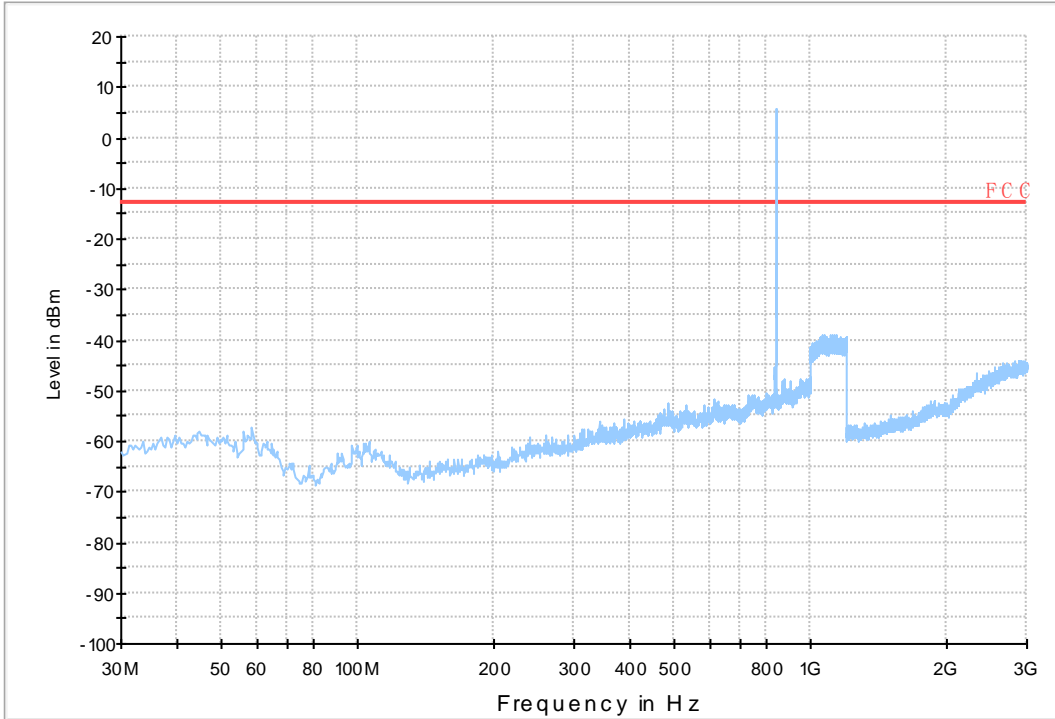
7.1 For LTE

7.1.1 Test Band = BAND5_ANT1

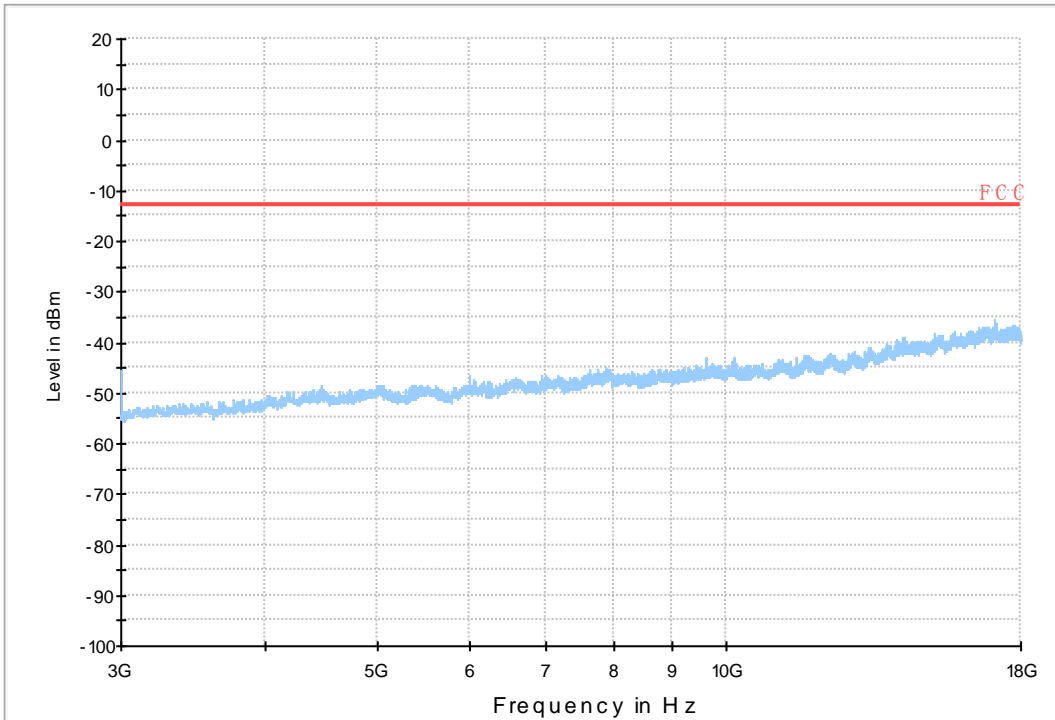
7.1.1.1 Test Bandwidth = 1.4



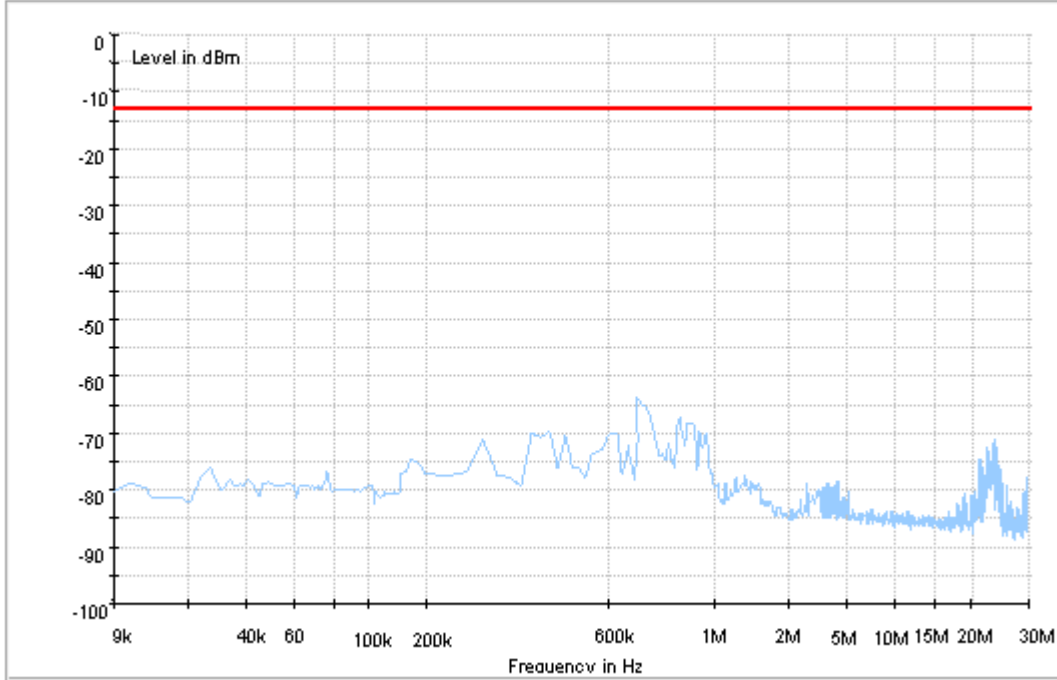
Copy of RSE-TX-DIRECTOR BELOW 1G_L



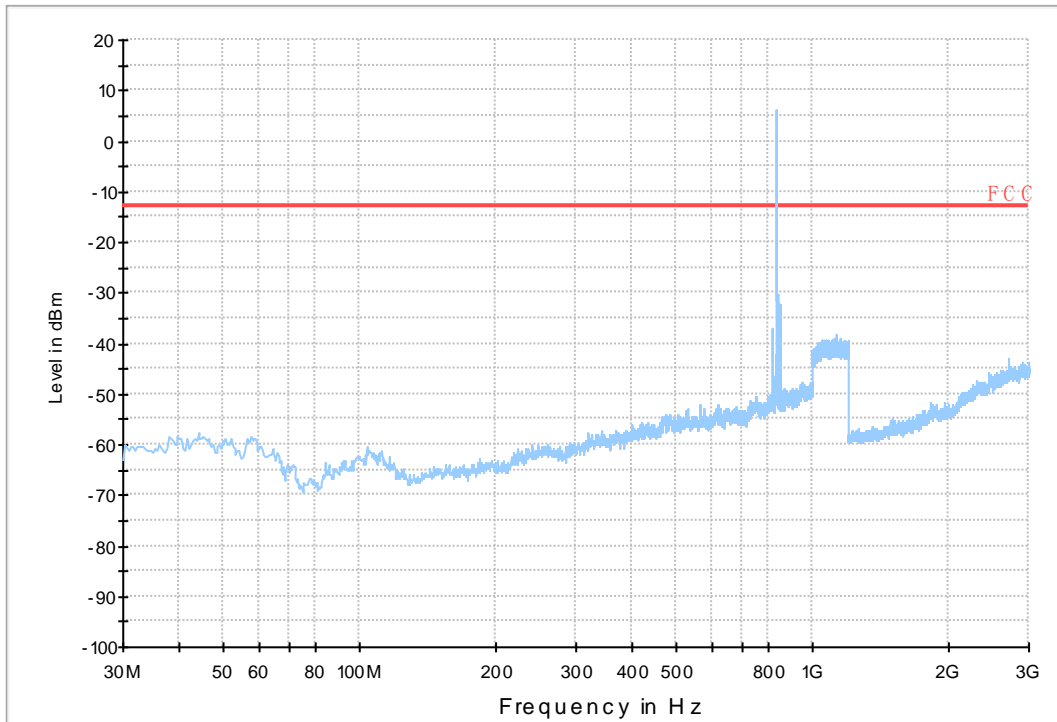
Copy of RSE-TX-DIRECTOR BELOW 1G_H



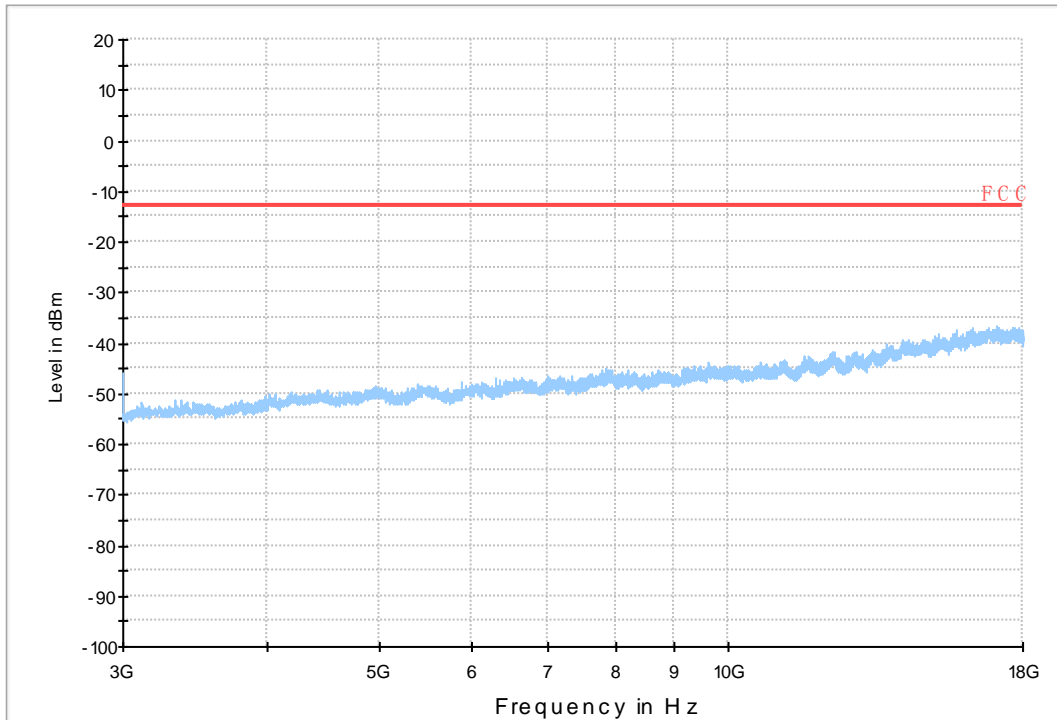
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

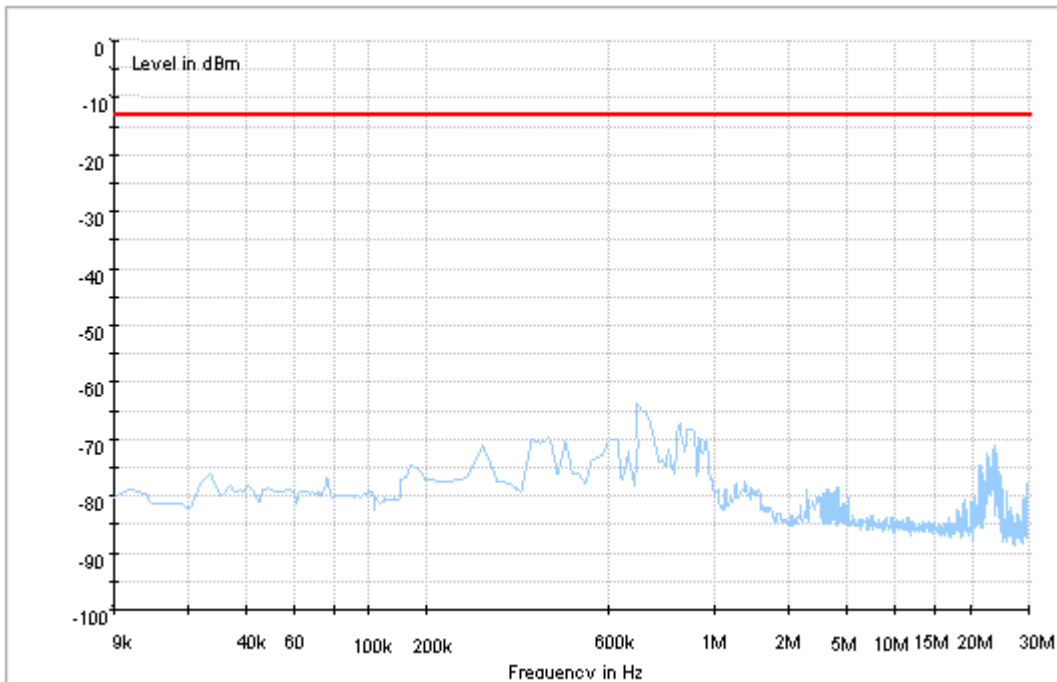


Copy of RSE-TX-DIRECTOR BELOW 1G_H

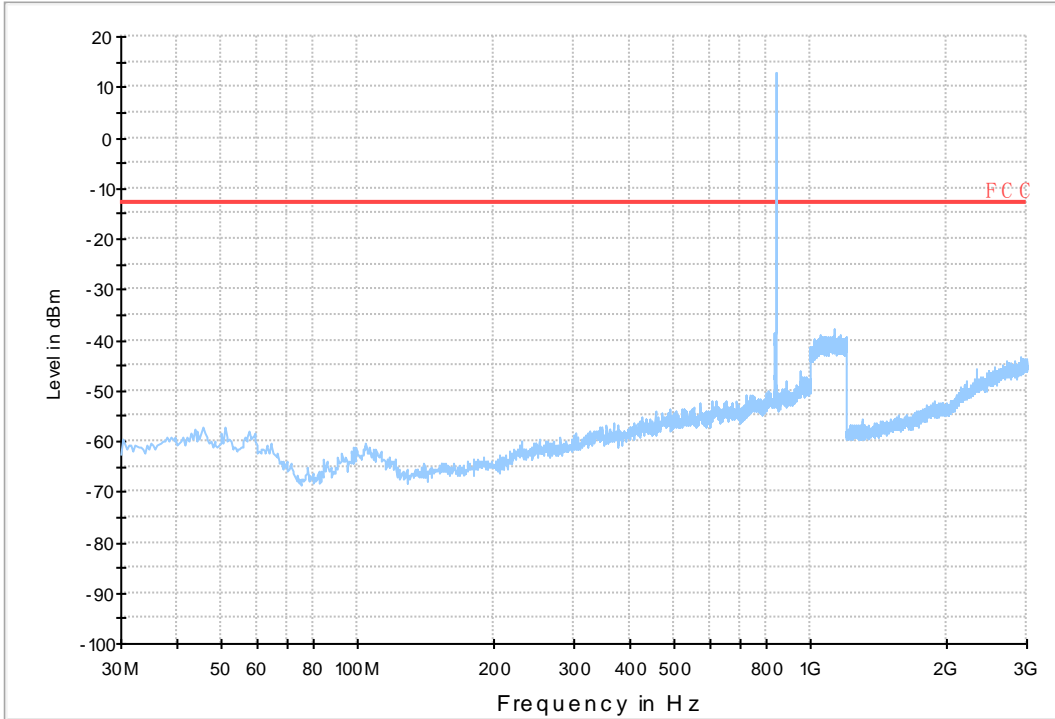


7.2.1 Test Band = BAND5_ANT2

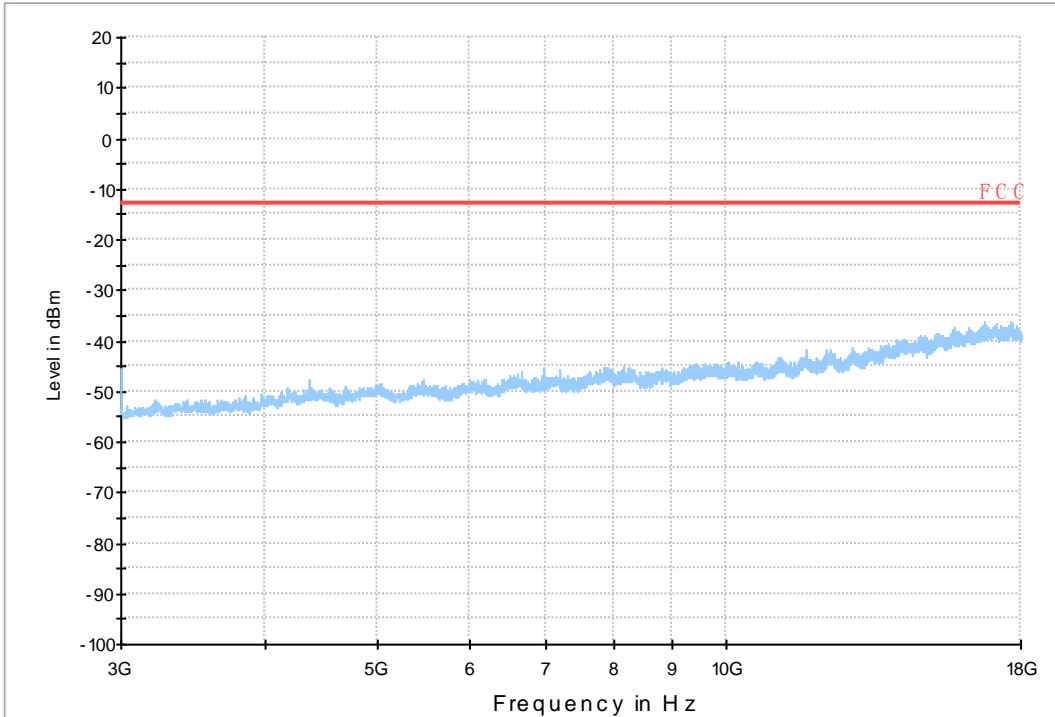
7.2.1.1 Test Bandwidth = 1.4



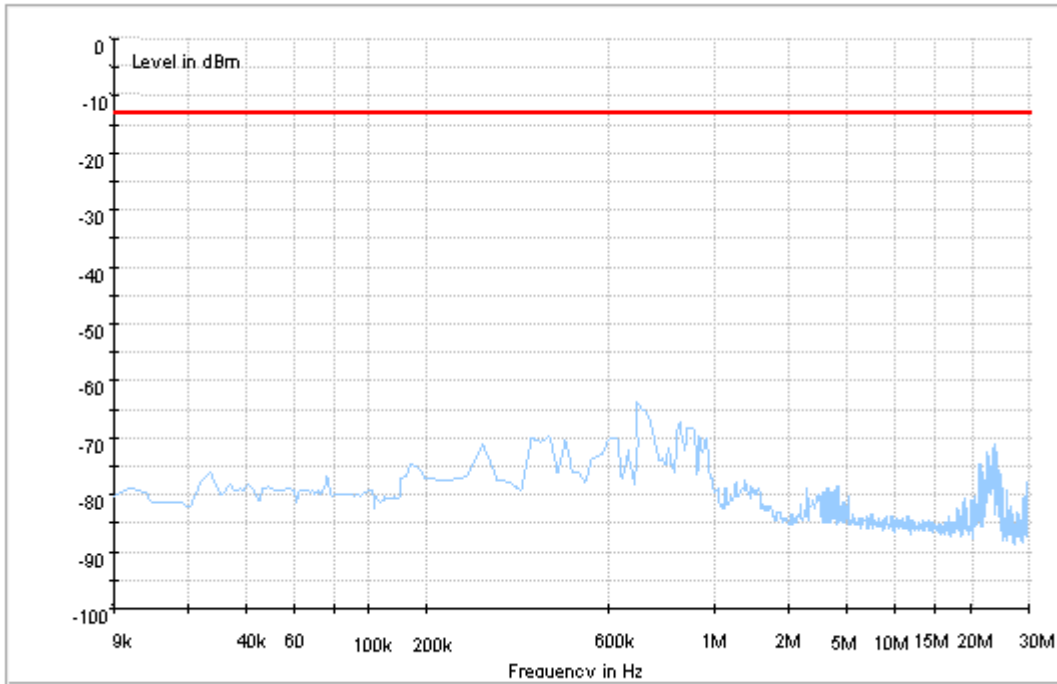
Copy of RSE-TX-DIRECTOR BELOW 1G_L



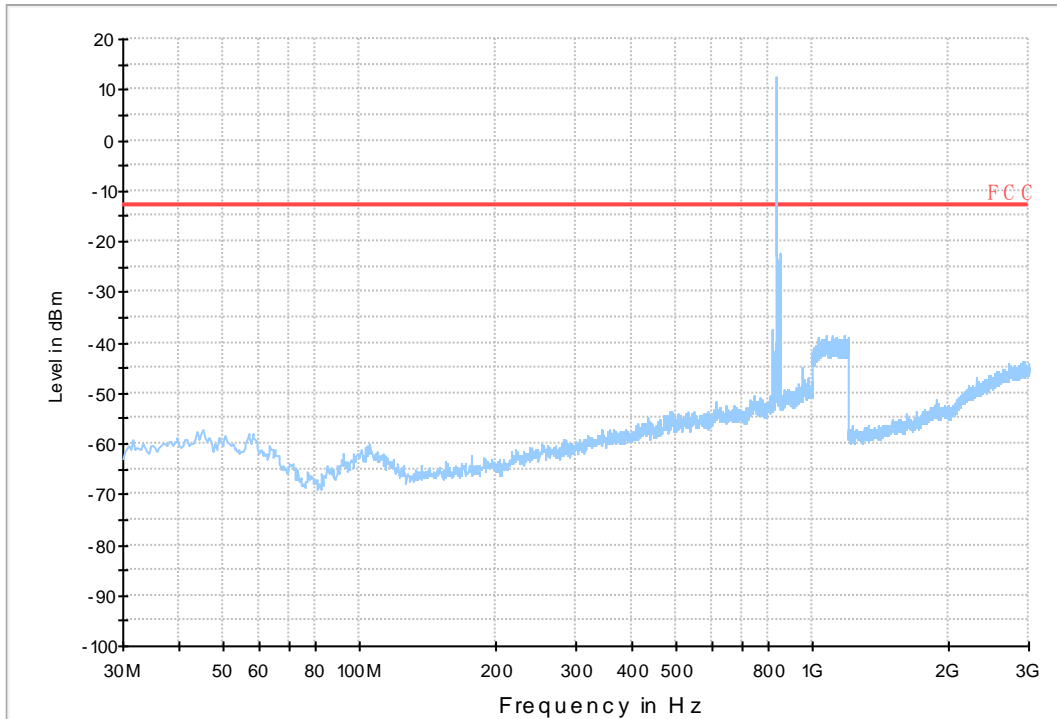
Copy of RSE-TX-DIRECTOR BELOW 1G_H



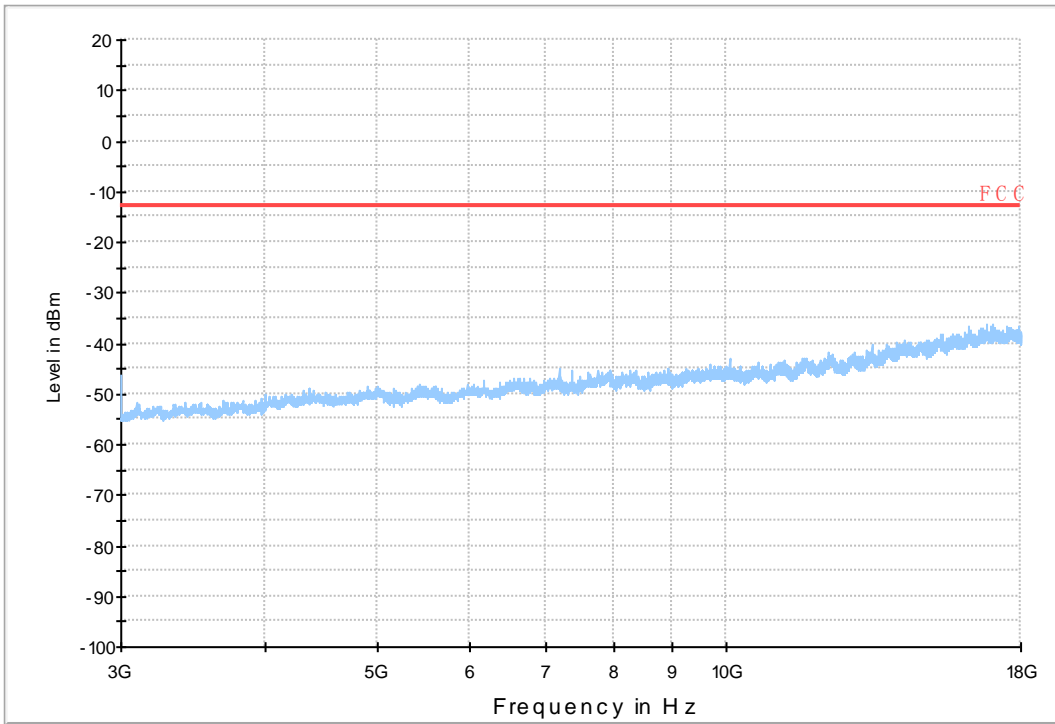
7.2.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H





8Appendix_H: Frequency Stability



8.1 For LTE

8.1.1 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	-0.30	-0.00036	PASS
					VN	0.76	0.00092	PASS
					VH	0.54	0.00065	PASS
			MCH	TN	VL	105.54	0.12617	PASS
					VN	11.73	0.01402	PASS
					VH	3.09	0.00369	PASS
			HCH	TN	VL	0.70	0.00083	PASS
					VN	2.66	0.00314	PASS
					VH	0.57	0.00067	PASS
		3	LCH	TN	VL	-5.45	-0.0066	PASS
					VN	-2.62	-0.00317	PASS
					VH	1.47	0.00178	PASS
			MCH	TN	VL	-0.10	-0.00012	PASS
					VN	3.32	0.00397	PASS
					VH	-2.88	-0.00344	PASS
			HCH	TN	VL	2.76	0.00326	PASS
					VN	0.37	0.00044	PASS
					VH	1.67	0.00197	PASS
		5	LCH	TN	VL	-0.49	-0.00059	PASS
					VN	4.49	0.00543	PASS
					VH	-9.47	-0.01146	PASS
			MCH	TN	VL	-177.17	-0.2118	PASS
					VN	-79.55	-0.0951	PASS
					VH	-73.47	-0.08783	PASS
			HCH	TN	VL	-2.53	-0.00299	PASS
					VN	1.17	0.00138	PASS
					VH	-0.17	-0.0002	PASS
		10	LCH	TN	VL	-4.55	-0.00549	PASS
					VN	-4.22	-0.00509	PASS
					VH	0.24	0.00029	PASS
			MCH	TN	VL	-35.78	-0.04277	PASS
					VN	-44.47	-0.05316	PASS
					VH	-61.34	-0.07333	PASS
			HCH	TN	VL	-1.30	-0.00154	PASS
					VN	-0.43	-0.00051	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	LCH	TN	VH	1.85	0.00219	PASS		
					VL	1.70	0.00206	PASS		
					VN	0.24	0.00029	PASS		
			MCH	TN	VH	0.31	0.00038	PASS		
					VL	1.42	0.0017	PASS		
					VN	22.19	0.02653	PASS		
			HCH	TN	VH	12.15	0.01452	PASS		
					VL	0.59	0.0007	PASS		
					VN	1.09	0.00128	PASS		
			3	LCH	TN	VH	0.86	0.00101	PASS	
						VL	-9.17	-0.01111	PASS	
						VN	-2.96	-0.00359	PASS	
		MCH		TN	VH	1.66	0.00201	PASS		
					VL	-0.60	-0.00072	PASS		
					VN	-2.00	-0.00239	PASS		
		HCH		TN	VH	0.82	0.00098	PASS		
					VL	3.81	0.0045	PASS		
					VN	-0.07	-0.00008	PASS		
		5	LCH	TN	VH	-1.30	-0.00153	PASS		
					VL	1.82	0.0022	PASS		
					VN	-0.01	-0.00001	PASS		
			MCH	TN	VH	-1.26	-0.00152	PASS		
					VL	-49.77	-0.0595	PASS		
					VN	-43.50	-0.052	PASS		
			HCH	TN	VH	-55.98	-0.06692	PASS		
					VL	6.37	0.00753	PASS		
					VN	0.43	0.00051	PASS		
		10	LCH	TN	VH	-2.68	-0.00317	PASS		
					VL	-3.66	-0.00441	PASS		
					VN	-0.47	-0.00057	PASS		
			MCH	TN	VH	1.87	0.00226	PASS		
					VL	-32.66	-0.03904	PASS		
					VN	-67.51	-0.08071	PASS		
			HCH	TN	VH	-21.76	-0.02601	PASS		
					VL	1.34	0.00159	PASS		
					VN	-0.97	-0.00115	PASS		
							VH	-0.70	-0.00083	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	-30	LTE/TM1	1.4	LCH	VN	-0.06	-0.00007	PASS
				MCH	VN	10.46	0.0125	PASS
				HCH	VN	-2.20	-0.00259	PASS
			3	LCH	VN	-1.60	-0.00194	PASS
				MCH	VN	-1.85	-0.00221	PASS
				HCH	VN	-3.73	-0.0044	PASS
			5	LCH	VN	1.40	0.00169	PASS
				MCH	VN	-78.72	-0.09411	PASS
				HCH	VN	0.27	0.00032	PASS
		10	LCH	VN	-10.89	-0.01314	PASS	
			MCH	VN	-46.35	-0.05541	PASS	
			HCH	VN	-9.28	-0.011	PASS	
		LTE/TM2	1.4	LCH	VN	0.06	0.00007	PASS
				MCH	VN	11.44	0.01368	PASS
				HCH	VN	2.70	0.00318	PASS
			3	LCH	VN	4.82	0.00584	PASS
				MCH	VN	-3.16	-0.00378	PASS
				HCH	VN	1.56	0.00184	PASS
	5		LCH	VN	4.29	0.00519	PASS	
			MCH	VN	-23.76	-0.0284	PASS	
			HCH	VN	1.44	0.0017	PASS	
	10	LCH	VN	-0.40	-0.00048	PASS		
		MCH	VN	-57.19	-0.06837	PASS		
		HCH	VN	1.76	0.00209	PASS		
	-20	LTE/TM1	1.4	LCH	VN	-0.24	-0.00029	PASS
				MCH	VN	-6.59	-0.00788	PASS
				HCH	VN	-3.22	-0.0038	PASS
			3	LCH	VN	-1.92	-0.00233	PASS
				MCH	VN	0.94	0.00112	PASS
				HCH	VN	0.66	0.00078	PASS
			5	LCH	VN	6.19	0.00749	PASS
				MCH	VN	-81.01	-0.09684	PASS
				HCH	VN	-1.26	-0.00149	PASS
		10	LCH	VN	-3.98	-0.0048	PASS	
			MCH	VN	-16.62	-0.01987	PASS	
			HCH	VN	1.02	0.00121	PASS	
LTE/TM2		1.4	LCH	VN	-0.60	-0.00073	PASS	
			MCH	VN	3.98	0.00476	PASS	
			HCH	VN	-1.80	-0.00212	PASS	

	-10	LTE/TM1	3	LCH	VN	-8.14	-0.00986	PASS
				MCH	VN	2.10	0.00251	PASS
				HCH	VN	0.70	0.00083	PASS
			5	LCH	VN	-4.25	-0.00514	PASS
				MCH	VN	-0.77	-0.00092	PASS
				HCH	VN	-0.87	-0.00103	PASS
			10	LCH	VN	9.36	0.01129	PASS
				MCH	VN	-58.89	-0.0704	PASS
				HCH	VN	-0.90	-0.00107	PASS
		LTE/TM2	1.4	LCH	VN	-8.14	-0.00987	PASS
				MCH	VN	6.69	0.008	PASS
				HCH	VN	1.49	0.00176	PASS
	3		LCH	VN	-7.14	-0.00865	PASS	
			MCH	VN	-3.69	-0.00441	PASS	
			HCH	VN	-0.77	-0.00091	PASS	
	5		LCH	VN	-2.89	-0.0035	PASS	
			MCH	VN	-80.87	-0.09668	PASS	
			HCH	VN	0.37	0.00044	PASS	
	10	LCH	VN	-8.77	-0.01058	PASS		
		MCH	VN	-41.66	-0.0498	PASS		
		HCH	VN	-0.76	-0.0009	PASS		
	LTE/TM2	1.4	LCH	VN	1.36	0.00165	PASS	
			MCH	VN	12.40	0.01482	PASS	
			HCH	VN	6.67	0.00786	PASS	
		3	LCH	VN	-4.46	-0.0054	PASS	
			MCH	VN	1.06	0.00127	PASS	
			HCH	VN	-1.19	-0.0014	PASS	
		5	LCH	VN	8.24	0.00997	PASS	
			MCH	VN	-54.42	-0.06506	PASS	
			HCH	VN	-3.73	-0.00441	PASS	
10	LCH	VN	-1.65	-0.00199	PASS			
	MCH	VN	-28.88	-0.03452	PASS			
	HCH	VN	-0.92	-0.00109	PASS			
0	LTE/TM1	1.4	LCH	VN	-1.22	-0.00148	PASS	
			MCH	VN	-7.11	-0.0085	PASS	
			HCH	VN	-3.59	-0.00423	PASS	
		3	LCH	VN	-4.18	-0.00506	PASS	
			MCH	VN	-4.43	-0.0053	PASS	
			HCH	VN	1.80	0.00212	PASS	
		5	LCH	VN	1.90	0.0023	PASS	
			MCH	VN	-0.51	-0.00061	PASS	
			HCH	VN	0.23	0.00027	PASS	

	10	LTE/TM2	10	LCH	VN	-9.38	-0.01131	PASS	
				MCH	VN	-33.49	-0.04004	PASS	
				HCH	VN	0.63	0.00075	PASS	
			1.4	LCH	VN	0.03	0.00004	PASS	
				MCH	VN	18.57	0.0222	PASS	
				HCH	VN	0.40	0.00047	PASS	
			3	LCH	VN	-1.07	-0.0013	PASS	
				MCH	VN	0.73	0.00087	PASS	
				HCH	VN	-0.59	-0.0007	PASS	
		5	LCH	VN	5.72	0.00692	PASS		
			MCH	VN	-0.14	-0.00017	PASS		
			HCH	VN	-1.04	-0.00123	PASS		
		10	LCH	VN	1.77	0.00214	PASS		
			MCH	VN	-18.70	-0.02236	PASS		
			HCH	VN	-1.95	-0.00231	PASS		
		10	LTE/TM1	1.4	LCH	VN	0.46	0.00056	PASS
					MCH	VN	12.07	0.01443	PASS
					HCH	VN	7.35	0.00866	PASS
	3			LCH	VN	-2.50	-0.00303	PASS	
				MCH	VN	-0.40	-0.00048	PASS	
				HCH	VN	0.19	0.00022	PASS	
	5			LCH	VN	-5.31	-0.00642	PASS	
				MCH	VN	0.01	0.00001	PASS	
				HCH	VN	-3.36	-0.00397	PASS	
	10		LCH	VN	3.91	0.00472	PASS		
			MCH	VN	-30.26	-0.03617	PASS		
			HCH	VN	-0.47	-0.00056	PASS		
	LTE/TM2		1.4	LCH	VN	0.11	0.00013	PASS	
				MCH	VN	-8.18	-0.00978	PASS	
				HCH	VN	-5.68	-0.0067	PASS	
			3	LCH	VN	-1.17	-0.00142	PASS	
				MCH	VN	0.87	0.00104	PASS	
				HCH	VN	0.62	0.00073	PASS	
		5	LCH	VN	4.82	0.00583	PASS		
			MCH	VN	-2.63	-0.00314	PASS		
			HCH	VN	4.82	0.00569	PASS		
	10	LCH	VN	5.08	0.00613	PASS			
		MCH	VN	-9.83	-0.01175	PASS			
		HCH	VN	-0.82	-0.00097	PASS			
	20	LTE/TM1	1.4	LCH	VN	0.62	0.00075	PASS	
				MCH	VN	17.74	0.02121	PASS	
				HCH	VN	0.34	0.0004	PASS	

30	LTE/TM2	3	LCH	VN	-0.43	-0.00052	PASS	
			MCH	VN	0.72	0.00086	PASS	
			HCH	VN	2.95	0.00348	PASS	
		5	LCH	VN	3.88	0.00469	PASS	
			MCH	VN	0.00	0	PASS	
			HCH	VN	14.25	0.01683	PASS	
		10	LCH	VN	4.48	0.0054	PASS	
			MCH	VN	15.38	0.01839	PASS	
			HCH	VN	-2.00	-0.00237	PASS	
		LTE/TM2	1.4	LCH	VN	-0.41	-0.0005	PASS
				MCH	VN	-9.33	-0.01115	PASS
				HCH	VN	0.69	0.00081	PASS
			3	LCH	VN	3.42	0.00414	PASS
				MCH	VN	-0.67	-0.0008	PASS
				HCH	VN	5.75	0.00678	PASS
	5		LCH	VN	-1.93	-0.00234	PASS	
			MCH	VN	1.46	0.00175	PASS	
			HCH	VN	19.33	0.02284	PASS	
	10		LCH	VN	-5.95	-0.00718	PASS	
			MCH	VN	7.98	0.00954	PASS	
			HCH	VN	-16.69	-0.01977	PASS	
	LTE/TM1	1.4	LCH	VN	0.14	0.00017	PASS	
			MCH	VN	5.26	0.00629	PASS	
			HCH	VN	5.01	0.00591	PASS	
		3	LCH	VN	-5.02	-0.00608	PASS	
			MCH	VN	-0.54	-0.00065	PASS	
			HCH	VN	-5.75	-0.00678	PASS	
		5	LCH	VN	-4.66	-0.00564	PASS	
			MCH	VN	0.29	0.00035	PASS	
			HCH	VN	0.26	0.00031	PASS	
		10	LCH	VN	7.17	0.00865	PASS	
			MCH	VN	24.46	0.02924	PASS	
			HCH	VN	0.31	0.00037	PASS	
		LTE/TM2	1.4	LCH	VN	0.37	0.00045	PASS
				MCH	VN	5.21	0.00623	PASS
				HCH	VN	0.19	0.00022	PASS
	3		LCH	VN	-2.73	-0.00331	PASS	
			MCH	VN	-0.83	-0.00099	PASS	
			HCH	VN	-0.13	-0.00015	PASS	
	5		LCH	VN	3.26	0.00394	PASS	
			MCH	VN	-0.16	-0.00019	PASS	
			HCH	VN	0.93	0.0011	PASS	

	40	LTE/TM1	10	LCH	VN	5.29	0.00638	PASS
				MCH	VN	25.45	0.03042	PASS
				HCH	VN	-1.56	-0.00185	PASS
			1.4	LCH	VN	0.94	0.00114	PASS
				MCH	VN	-16.52	-0.01975	PASS
				HCH	VN	5.71	0.00673	PASS
			3	LCH	VN	-2.03	-0.00246	PASS
				MCH	VN	-0.47	-0.00056	PASS
				HCH	VN	1.07	0.00126	PASS
		5	LCH	VN	-3.18	-0.00385	PASS	
			MCH	VN	55.13	0.06591	PASS	
			HCH	VN	-0.20	-0.00024	PASS	
		10	LCH	VN	-19.81	-0.0239	PASS	
			MCH	VN	33.85	0.04047	PASS	
			HCH	VN	0.83	0.00098	PASS	
		LTE/TM2	1.4	LCH	VN	0.19	0.00023	PASS
				MCH	VN	11.89	0.01421	PASS
				HCH	VN	-0.87	-0.00103	PASS
	3		LCH	VN	-2.42	-0.00293	PASS	
			MCH	VN	2.98	0.00356	PASS	
			HCH	VN	1.67	0.00197	PASS	
	5		LCH	VN	-7.45	-0.00901	PASS	
			MCH	VN	21.83	0.0261	PASS	
			HCH	VN	2.00	0.00236	PASS	
	10		LCH	VN	-13.55	-0.01634	PASS	
			MCH	VN	71.11	0.08501	PASS	
			HCH	VN	-2.98	-0.00353	PASS	
	50	LTE/TM1	1.4	LCH	VN	0.99	0.0012	PASS
				MCH	VN	32.73	0.03913	PASS
				HCH	VN	0.63	0.00074	PASS
			3	LCH	VN	-0.56	-0.00068	PASS
				MCH	VN	-1.57	-0.00188	PASS
				HCH	VN	-3.68	-0.00434	PASS
			5	LCH	VN	2.13	0.00258	PASS
				MCH	VN	37.97	0.04539	PASS
				HCH	VN	0.80	0.00095	PASS
10		LCH	VN	-9.30	-0.01122	PASS		
		MCH	VN	43.63	0.05216	PASS		
		HCH	VN	1.80	0.00213	PASS		
LTE/TM2		1.4	LCH	VN	-0.13	-0.00016	PASS	
			MCH	VN	-3.22	-0.00385	PASS	
			HCH	VN	-0.99	-0.00117	PASS	



			3	LCH	VN	-0.57	-0.00069	PASS
				MCH	VN	2.39	0.00286	PASS
				HCH	VN	-1.42	-0.00168	PASS
			5	LCH	VN	-1.79	-0.00217	PASS
				MCH	VN	33.19	0.03968	PASS
				HCH	VN	-2.17	-0.00256	PASS
			10	LCH	VN	-6.09	-0.00735	PASS
				MCH	VN	32.52	0.03888	PASS
				HCH	VN	0.27	0.00032	PASS

END