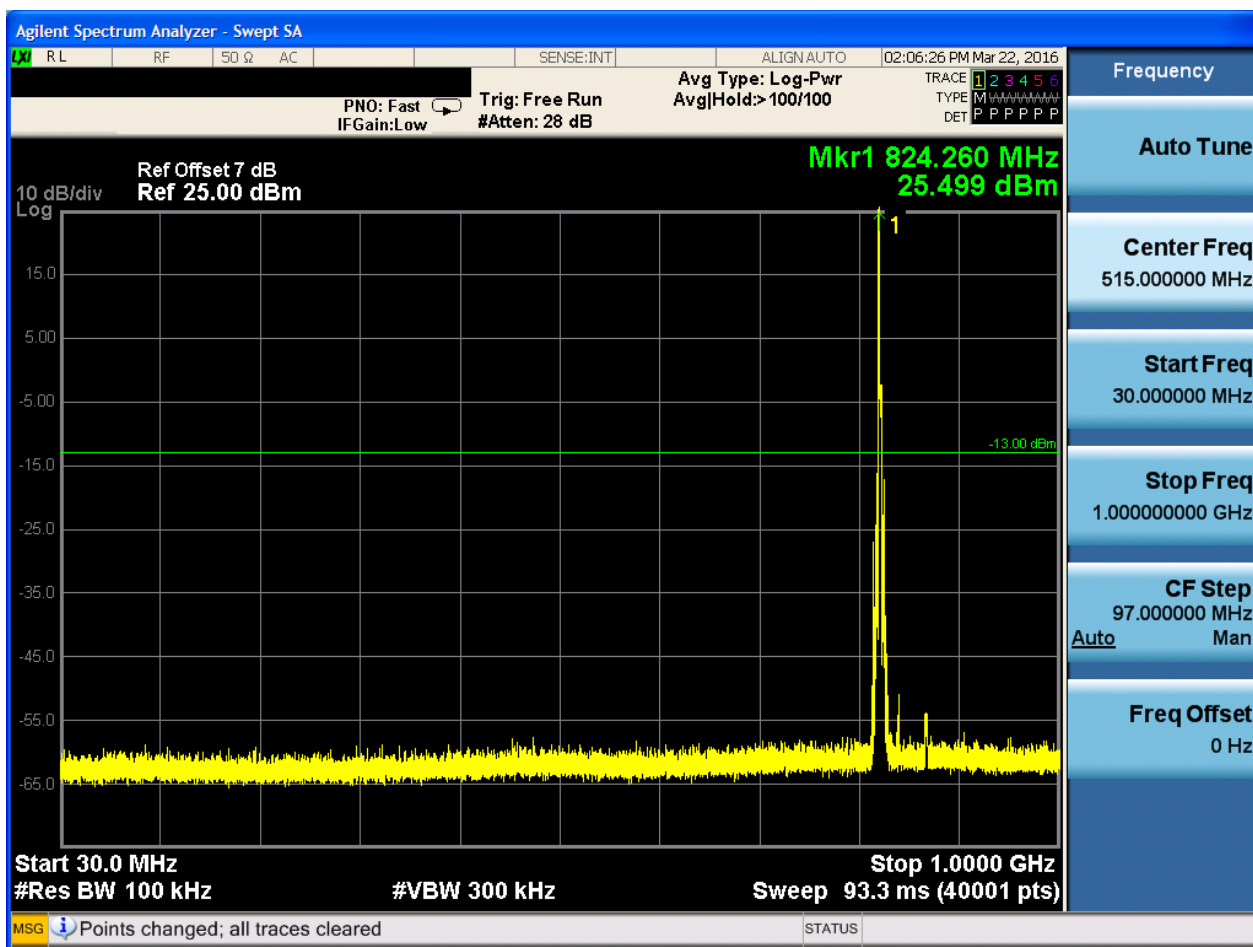
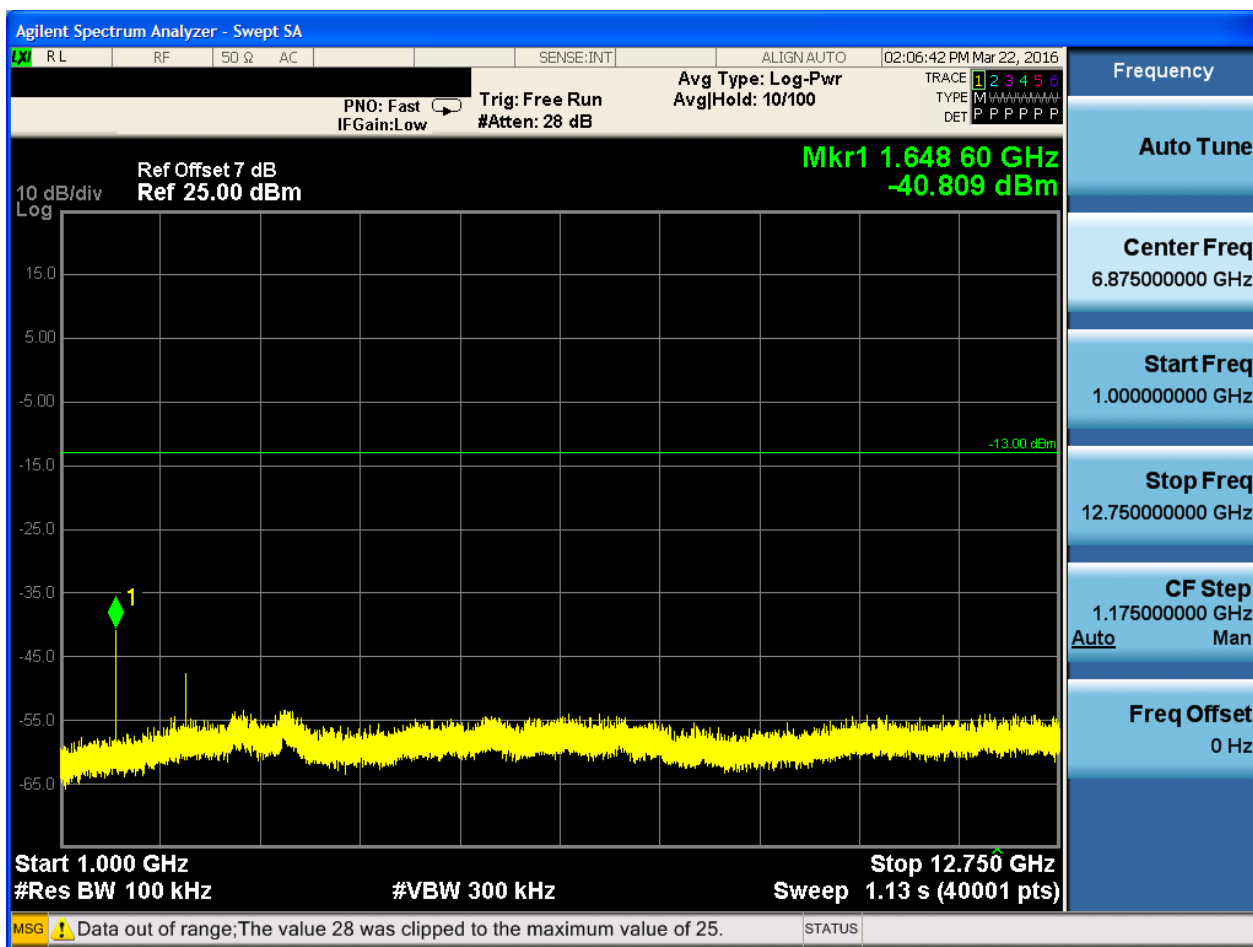




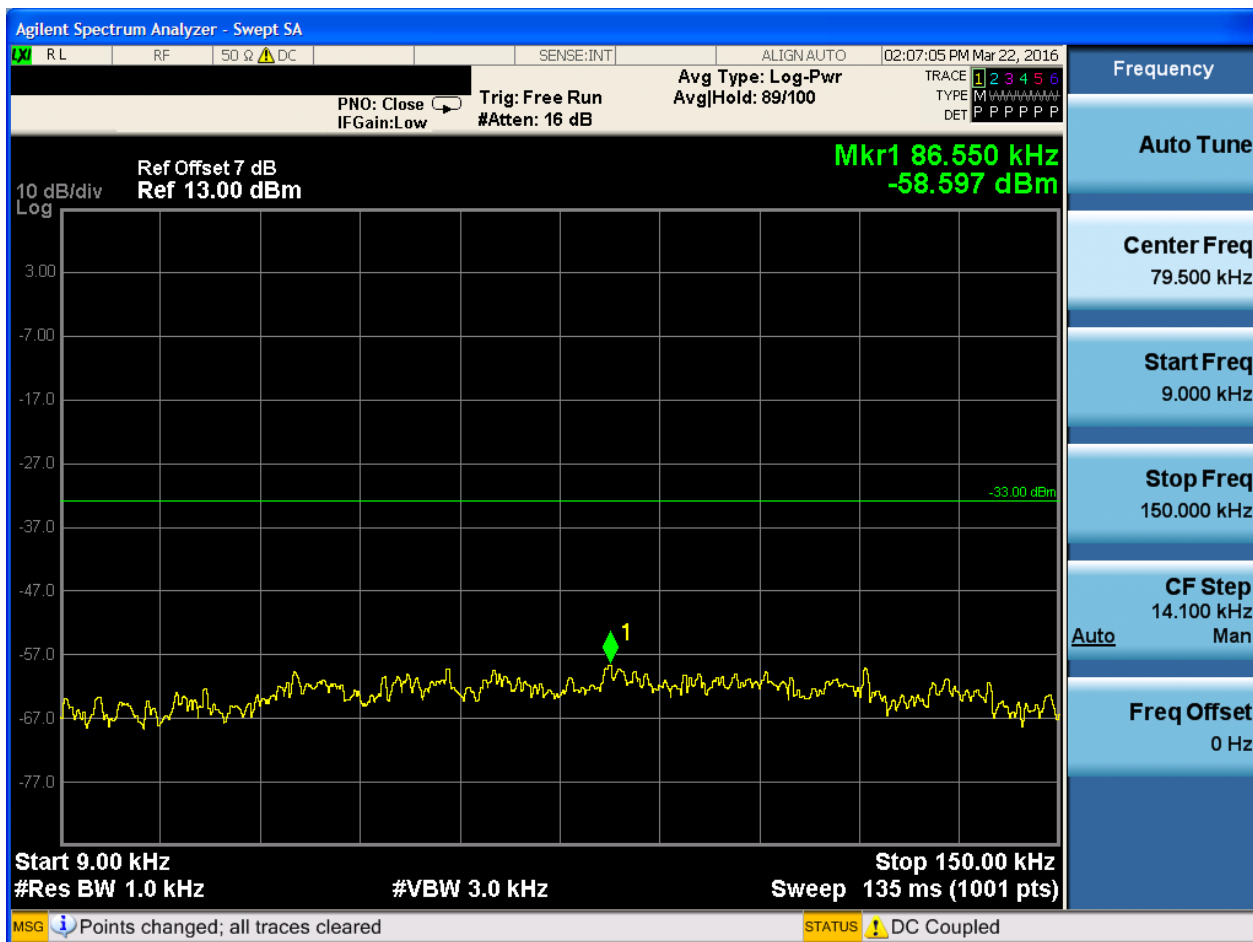




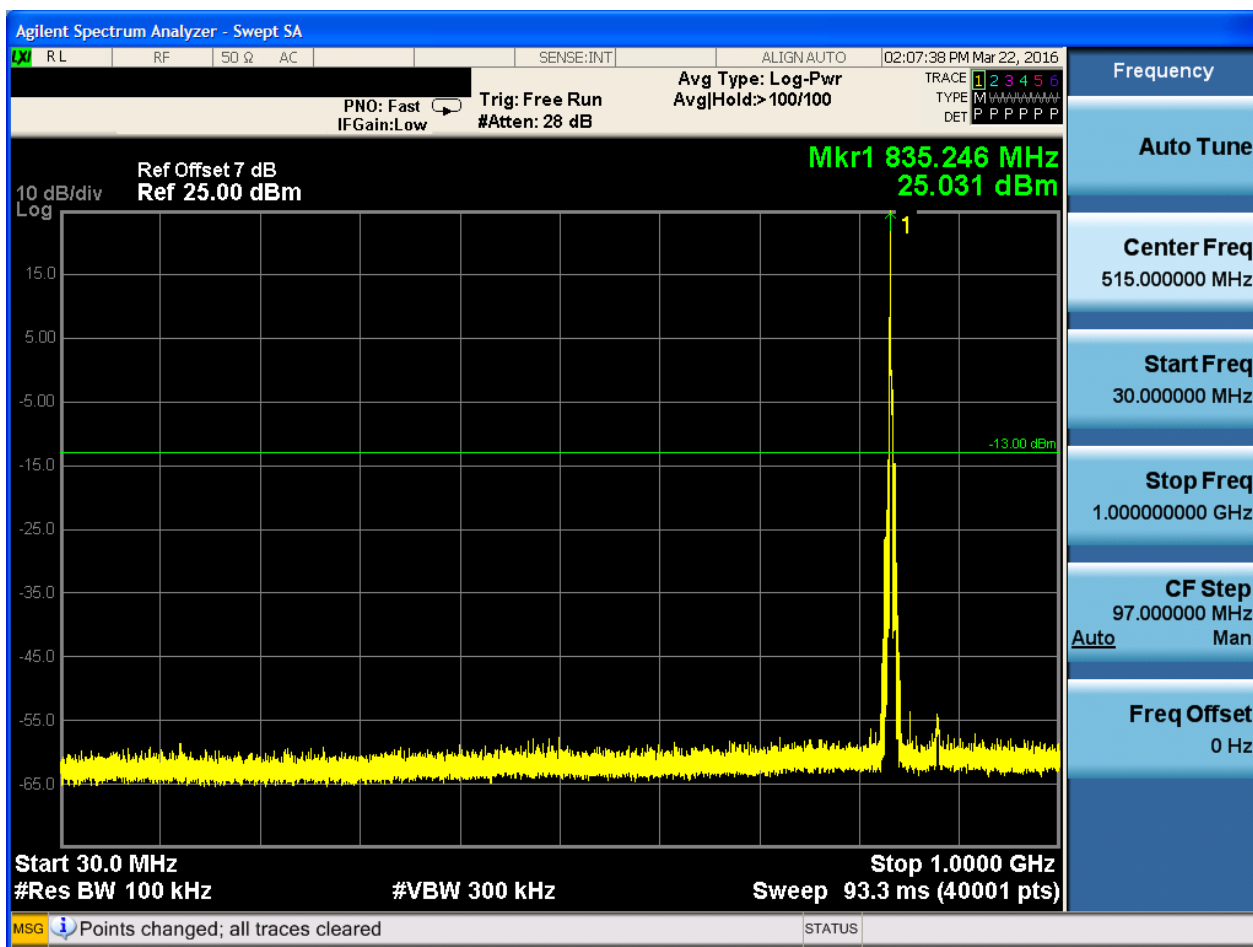


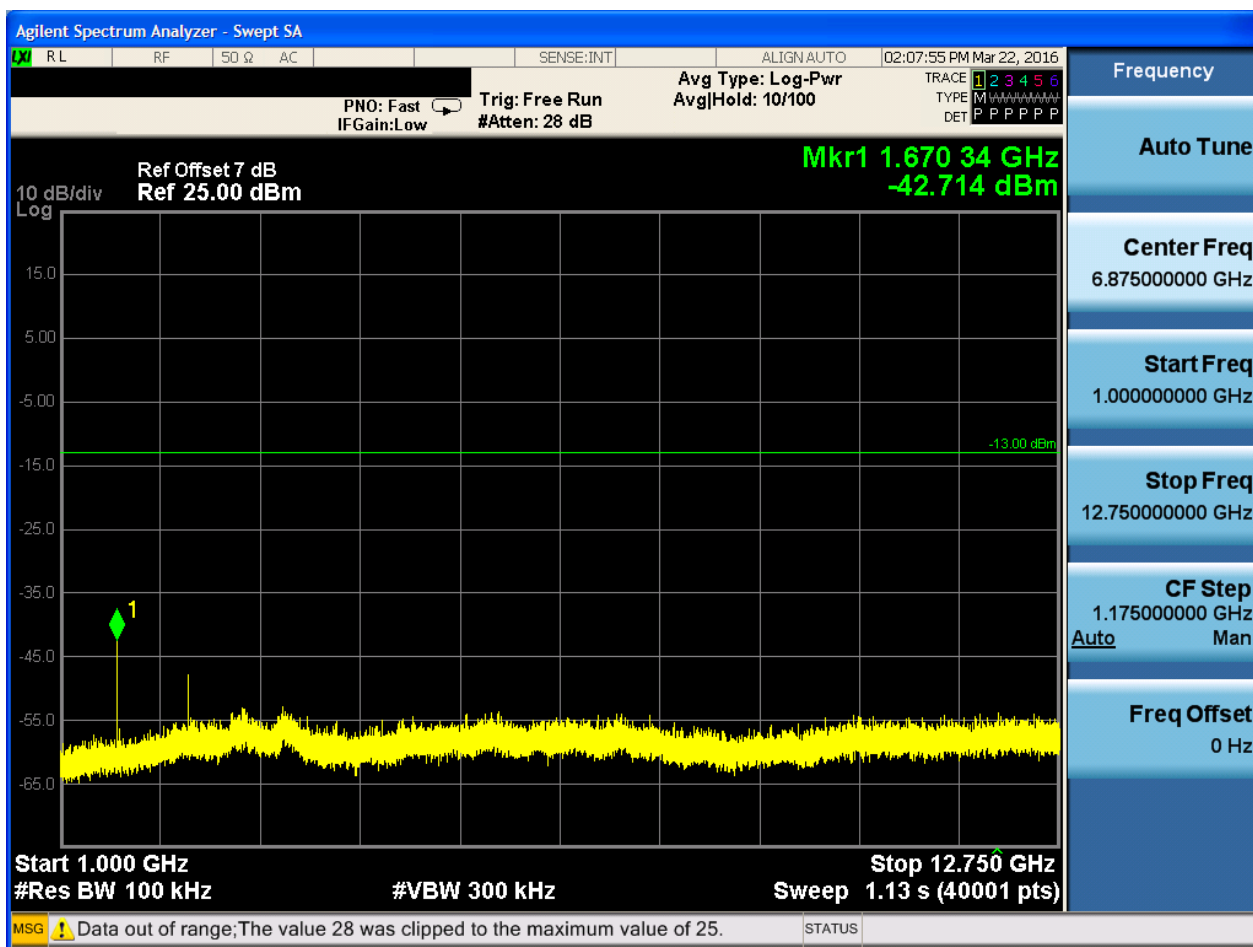
6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0





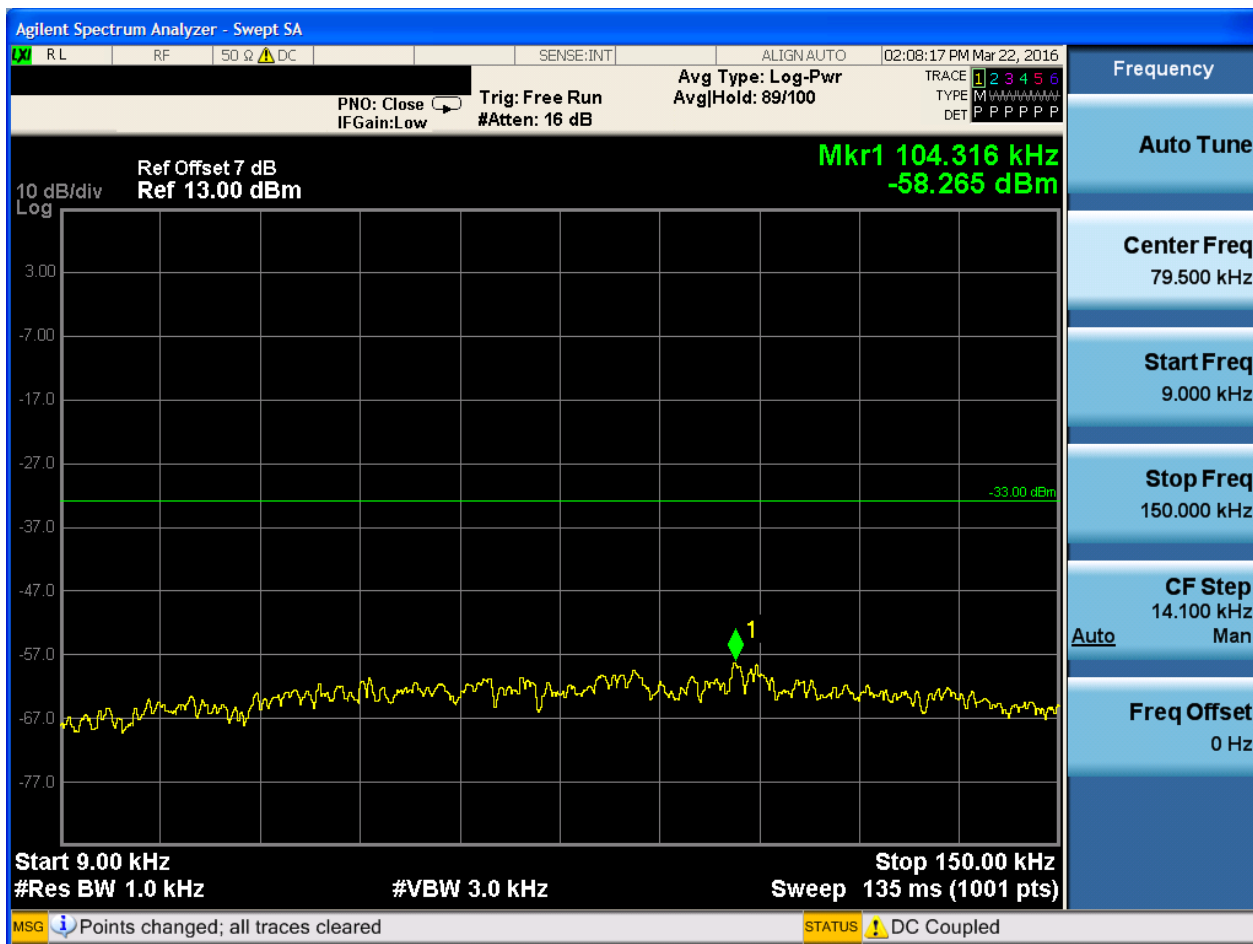




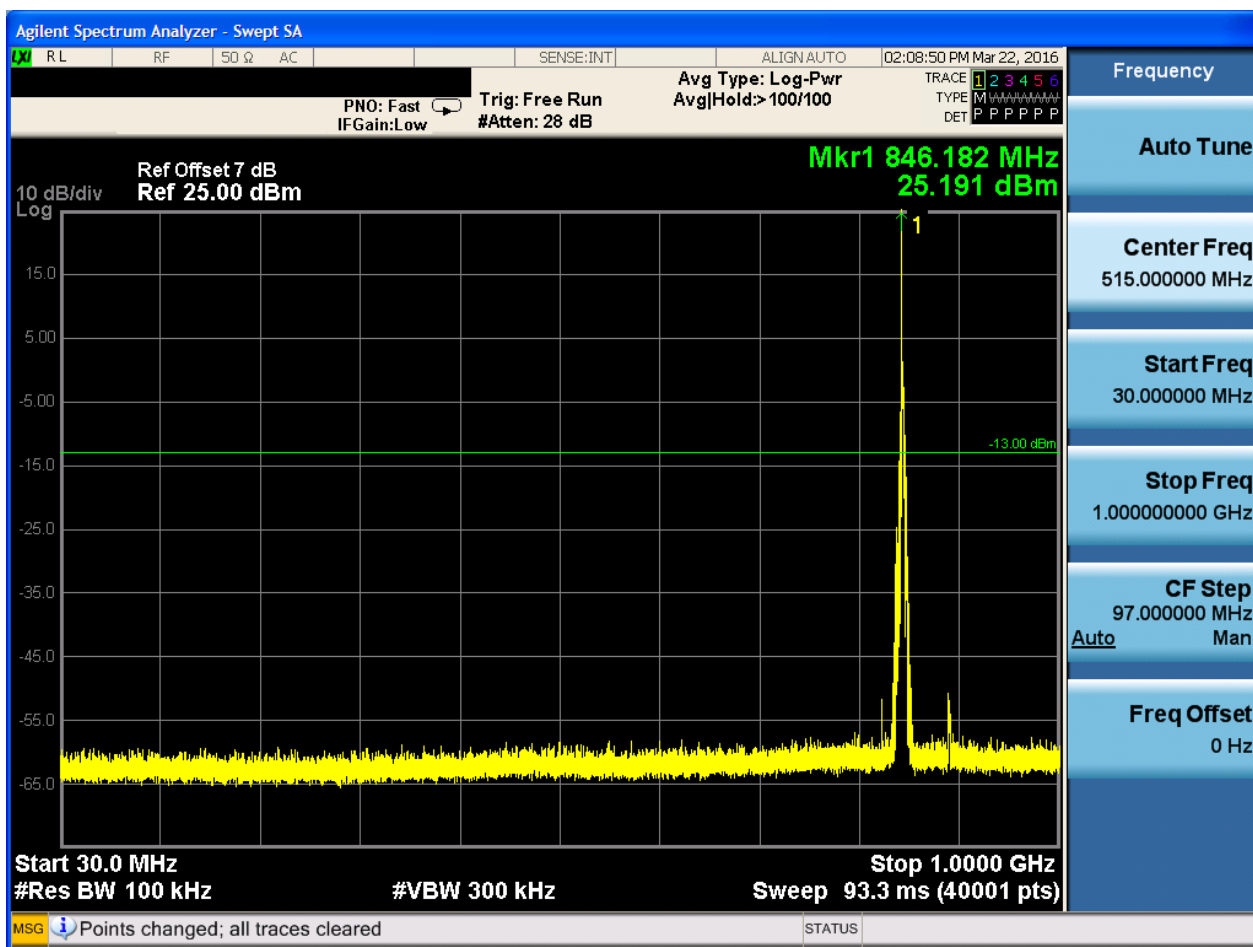


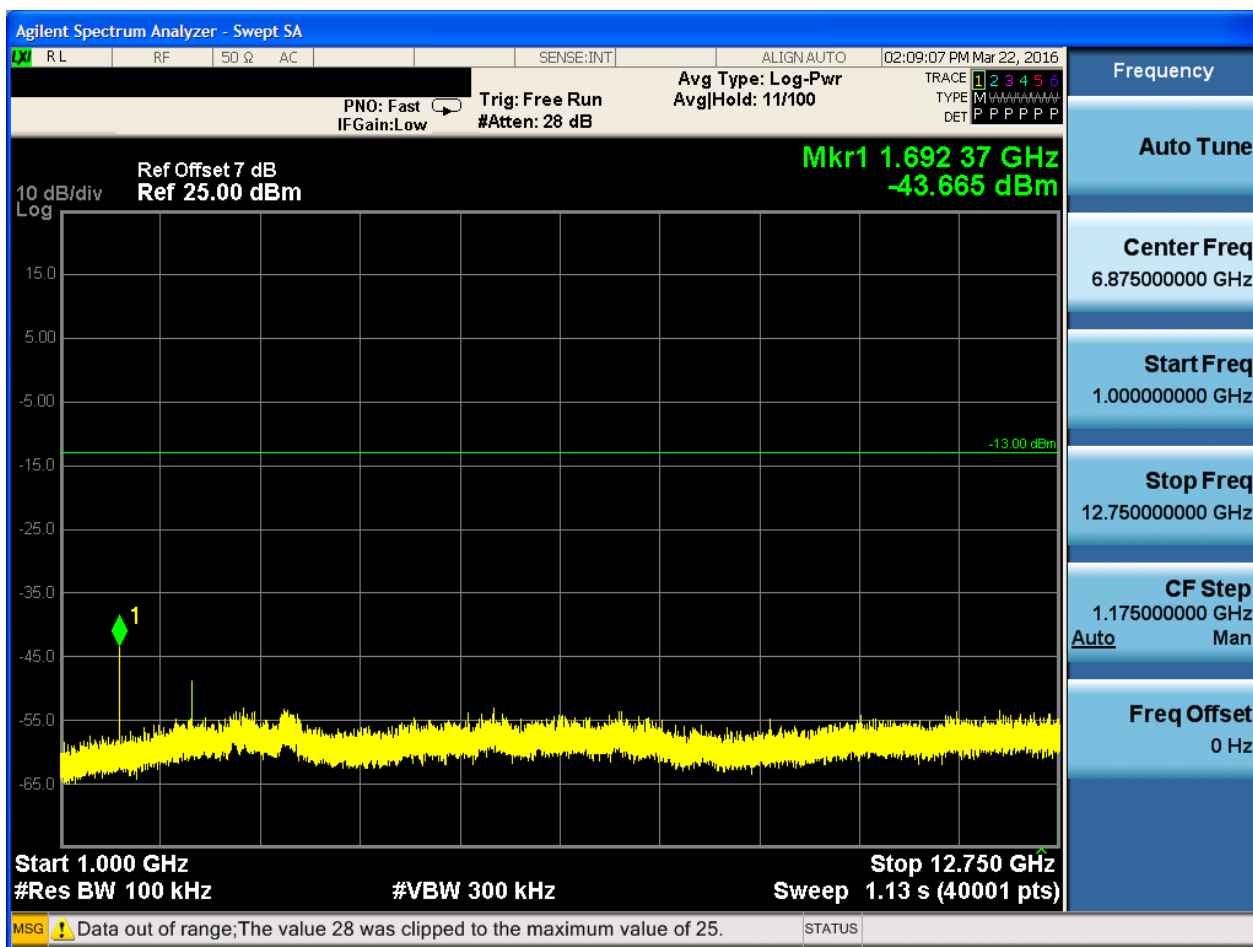
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







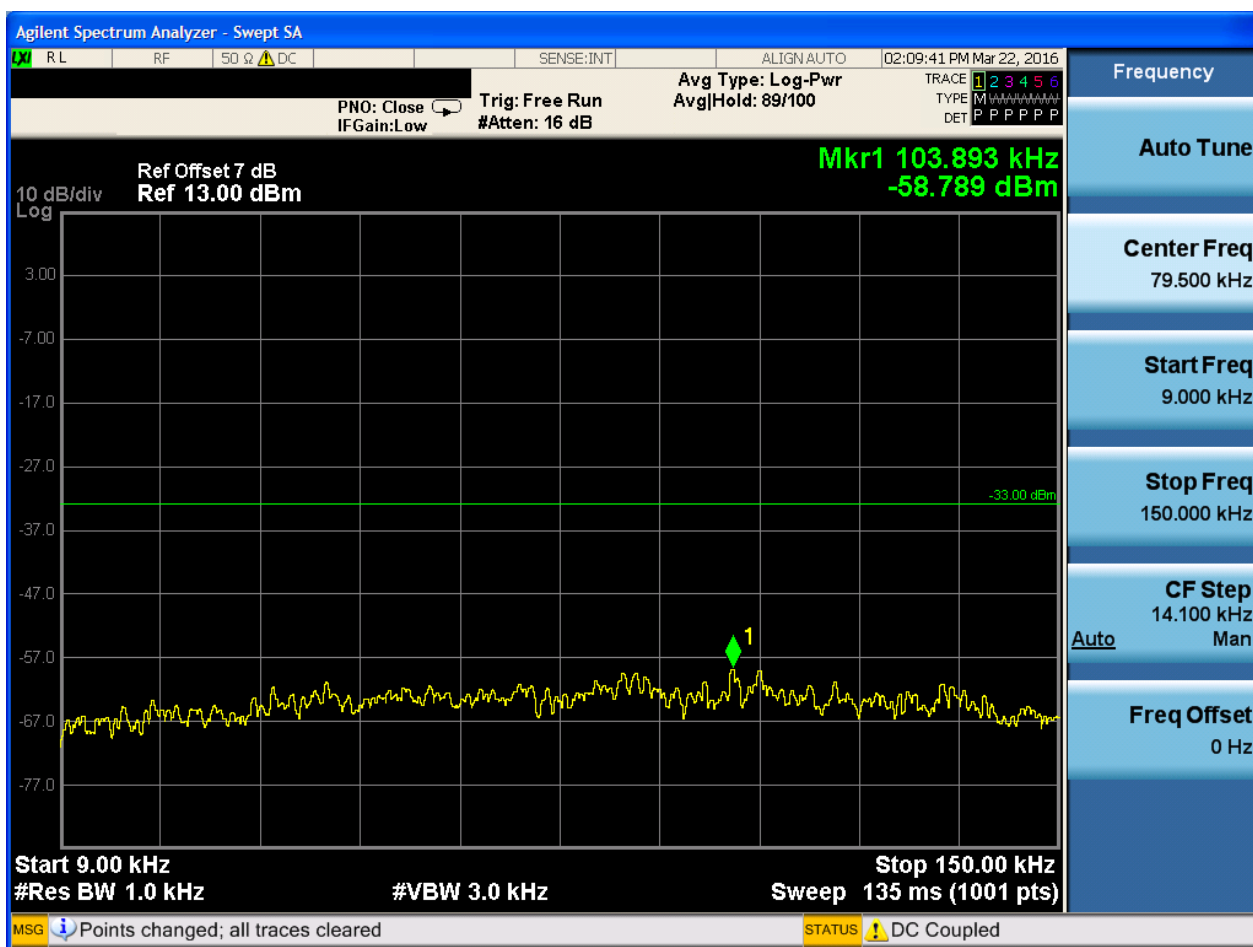




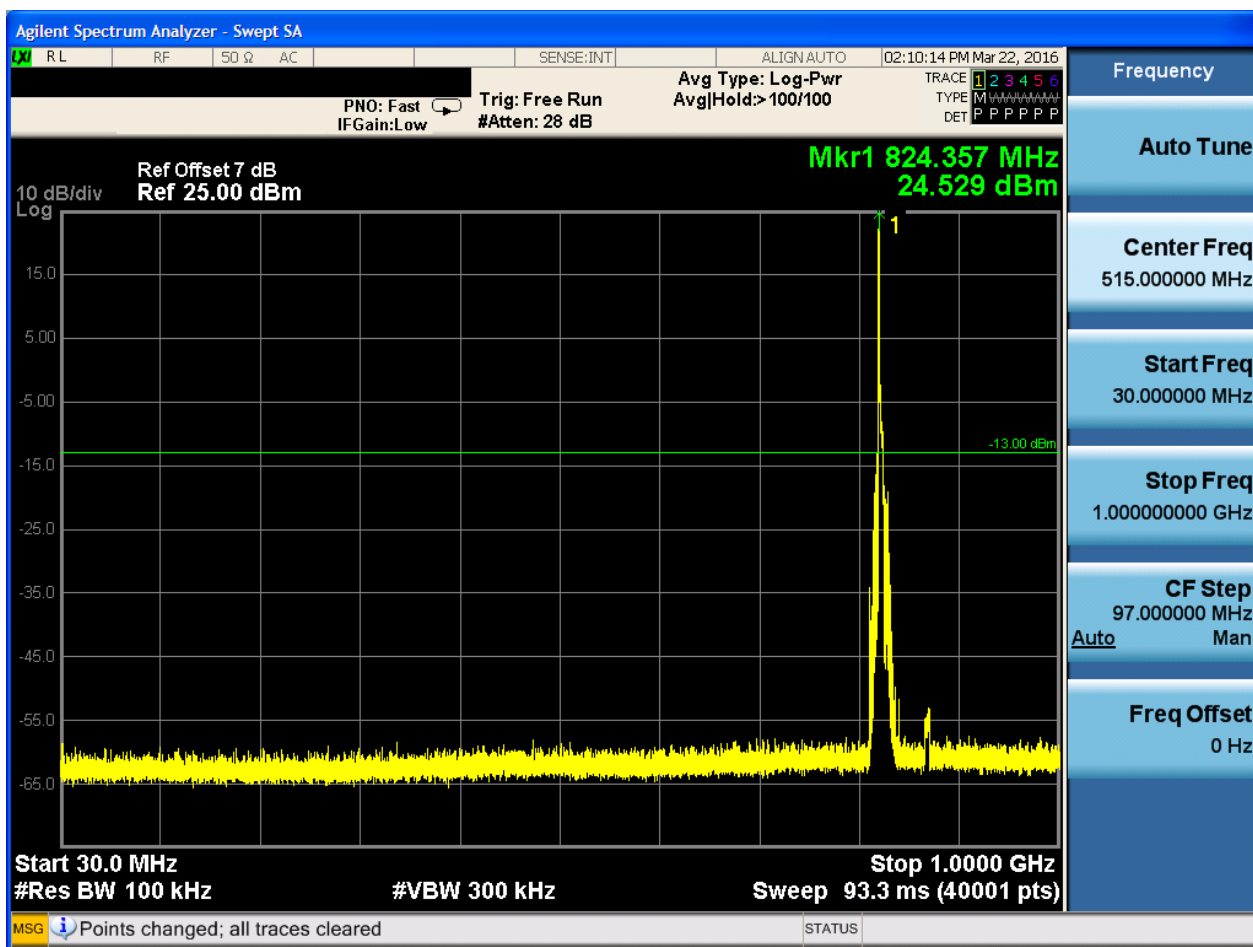
6.1.1.1.3 Test Bandwidth = 5

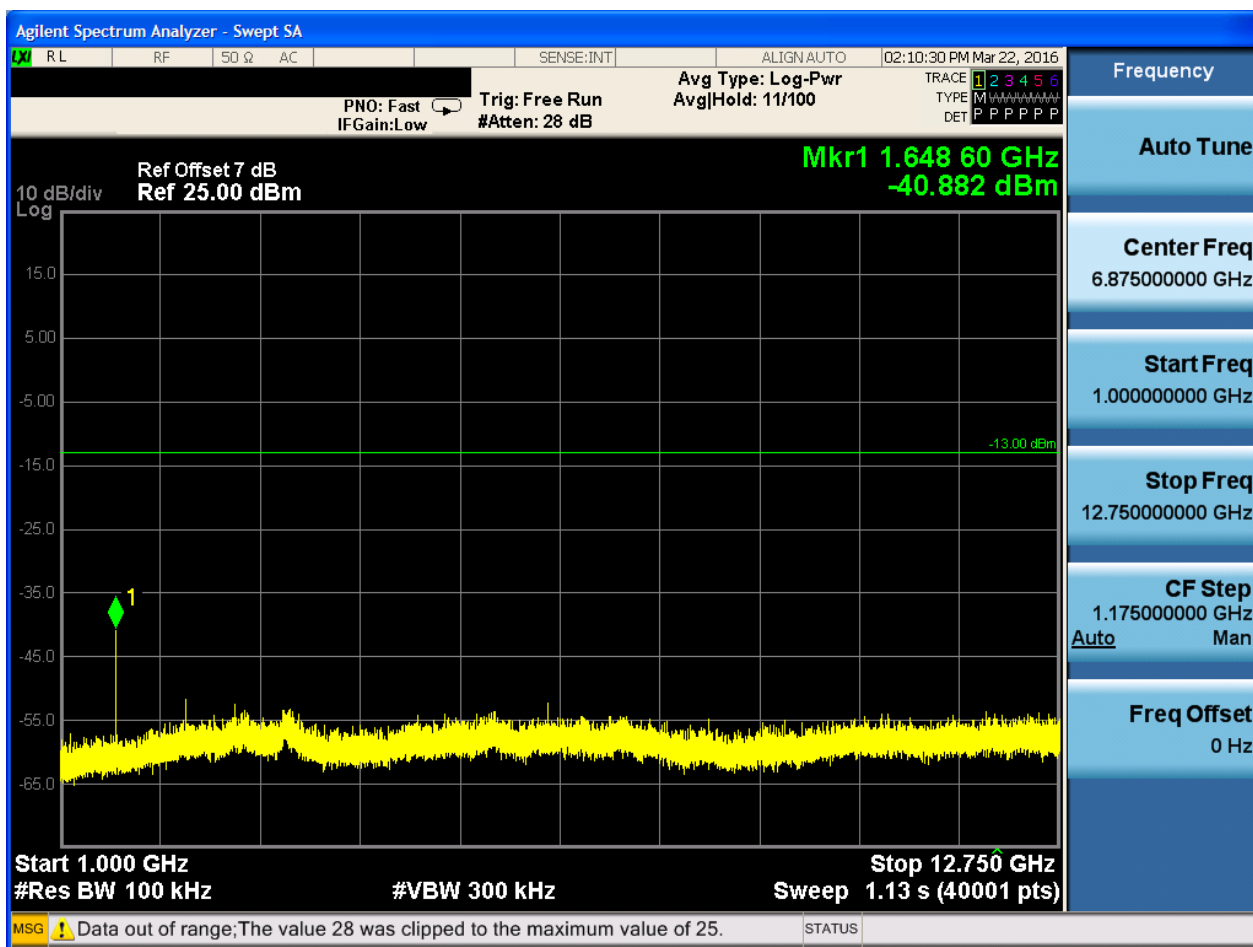
6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



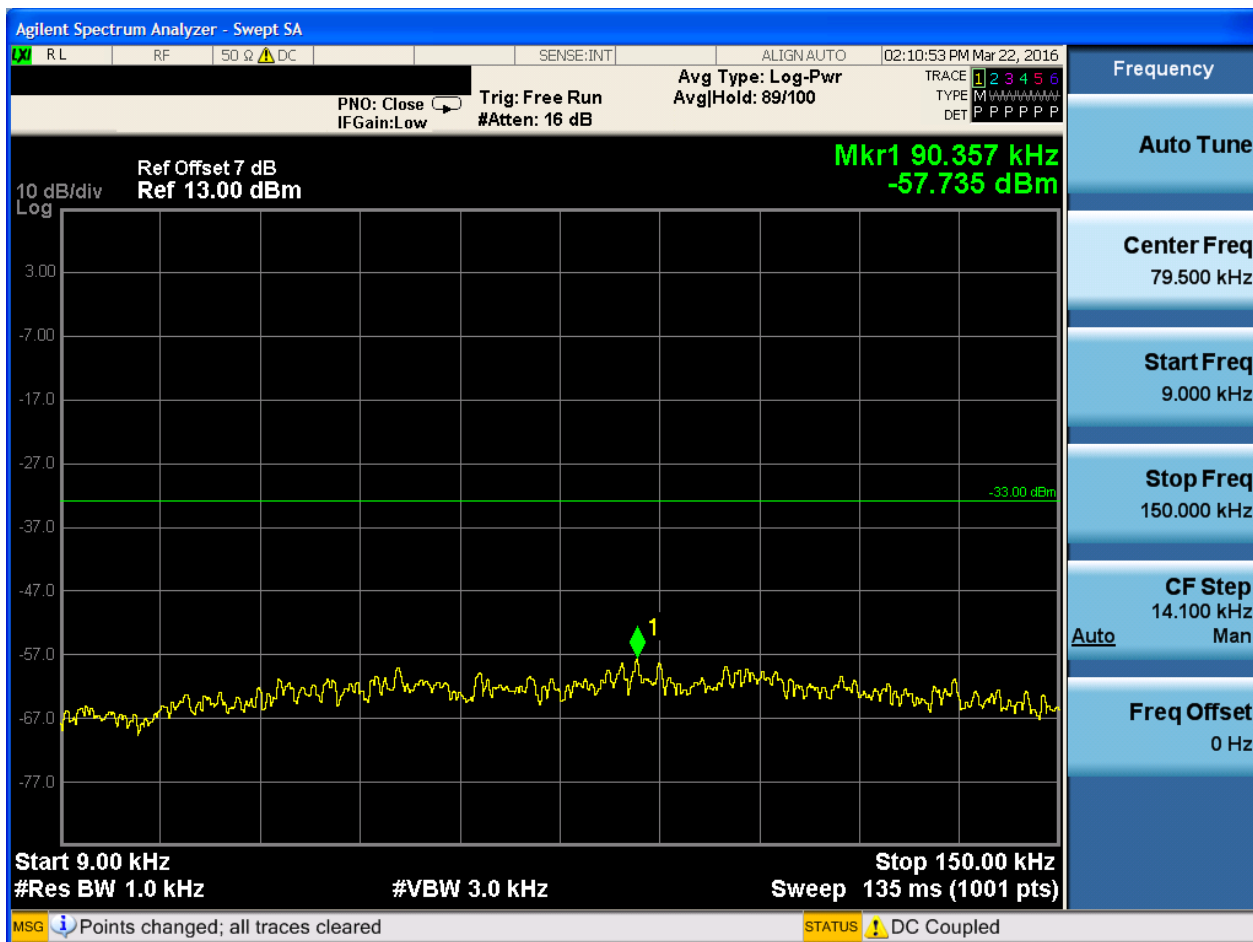




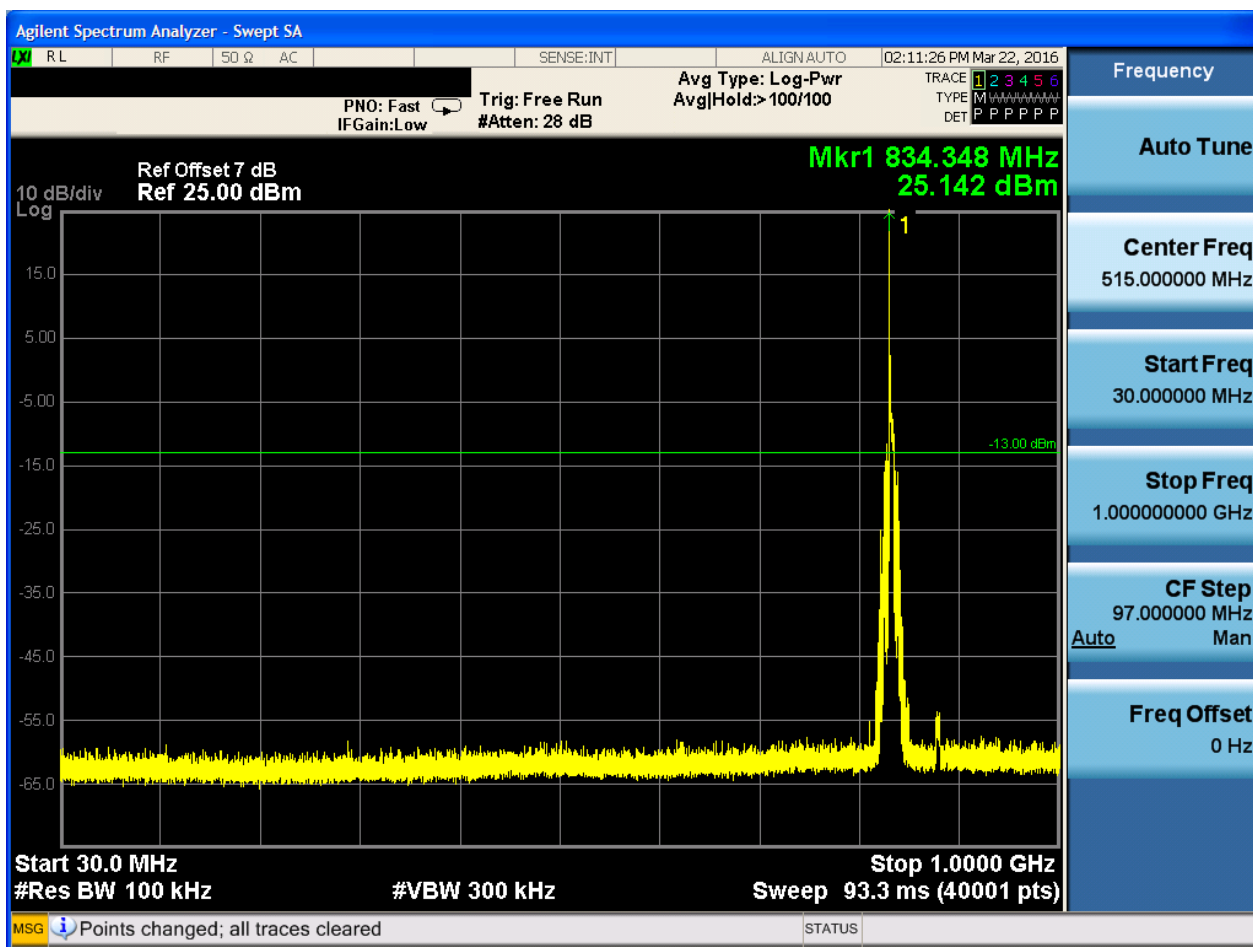


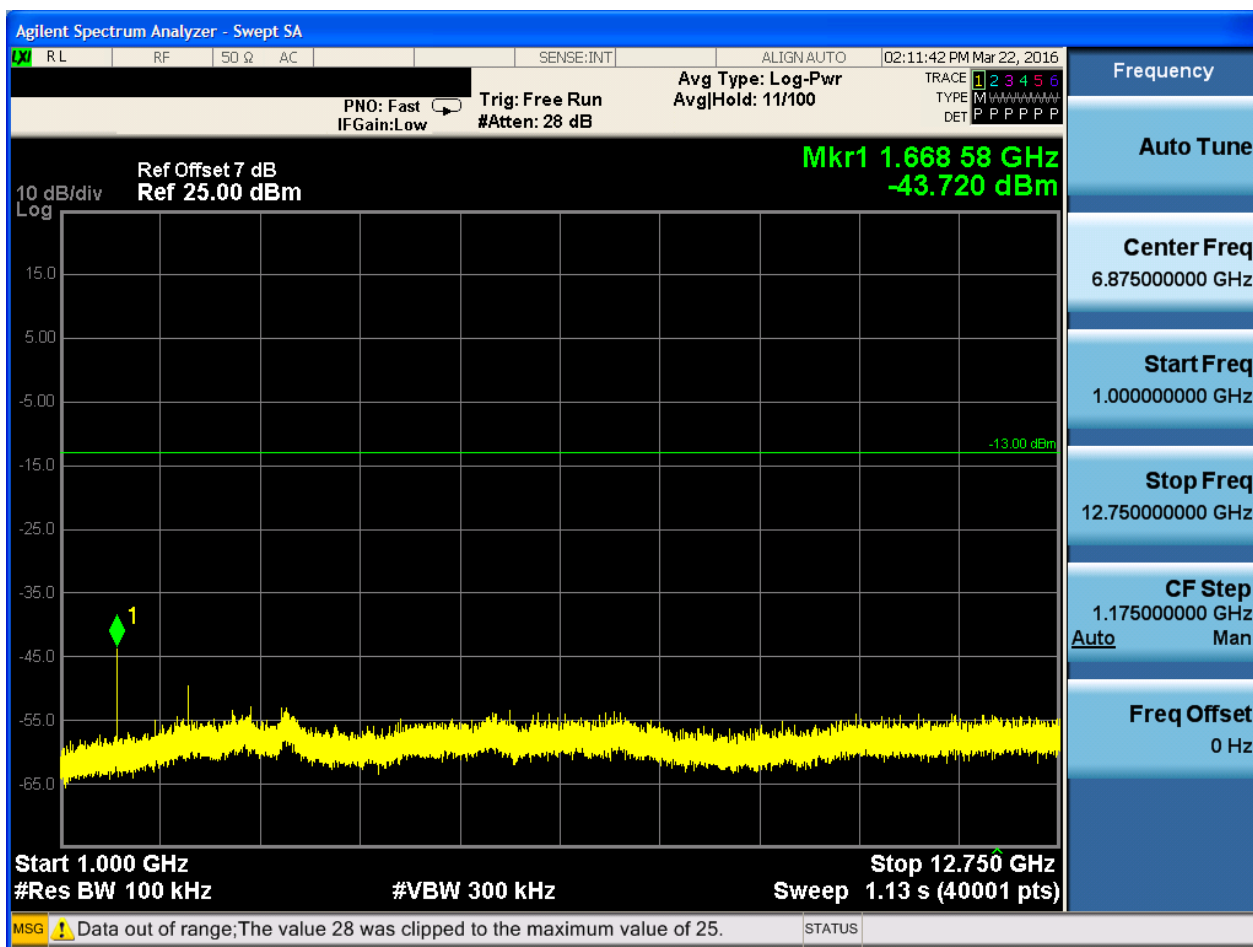
6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0





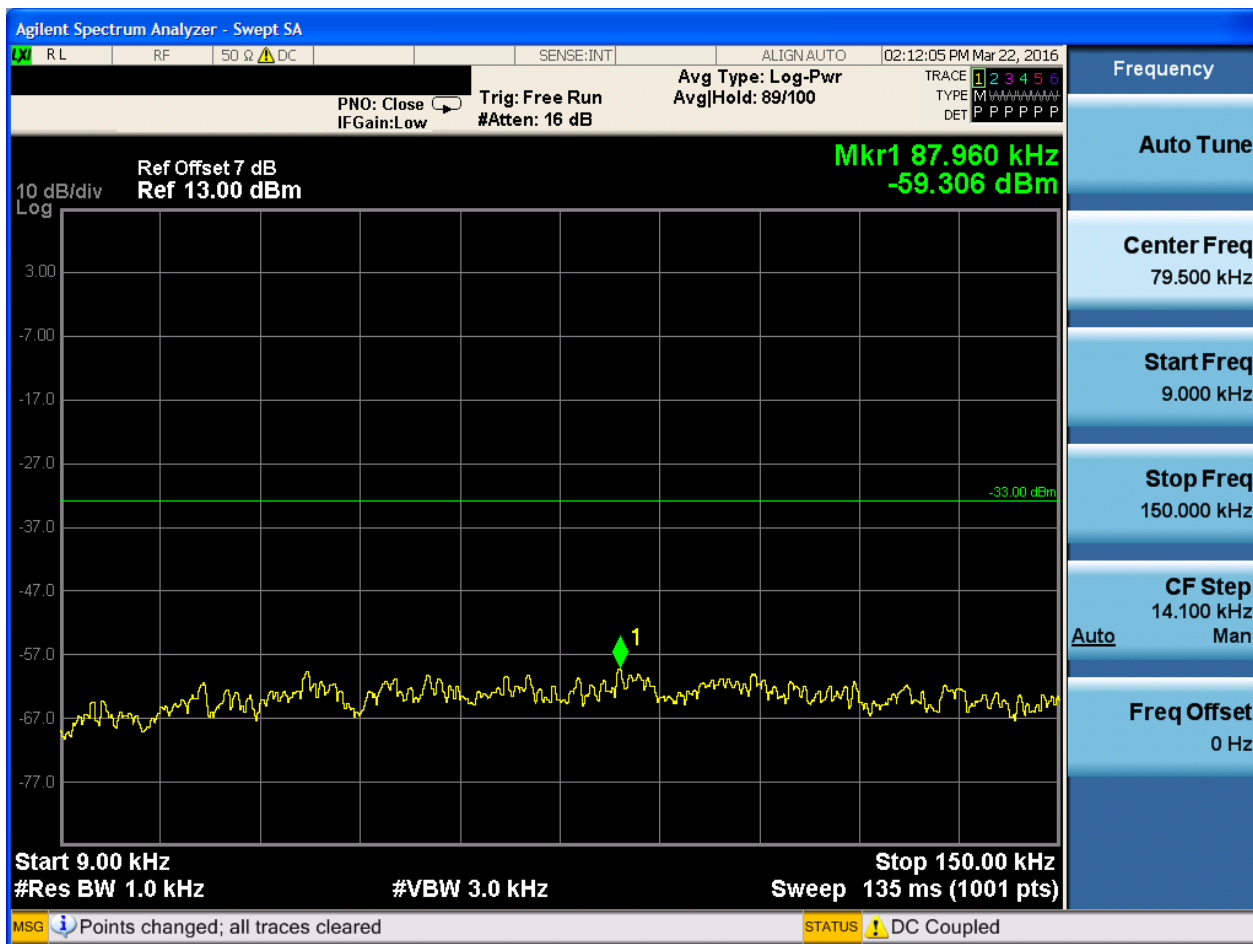




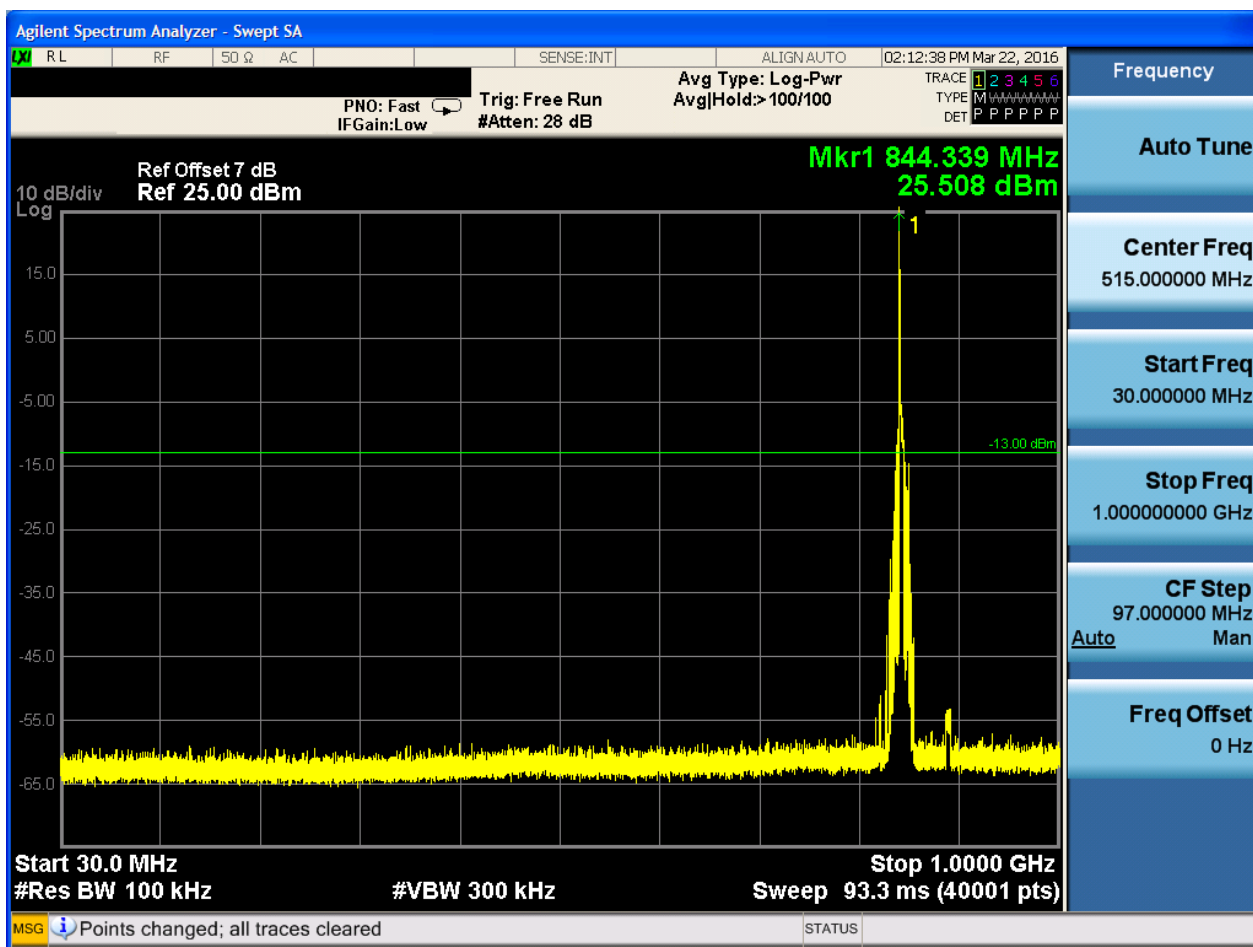


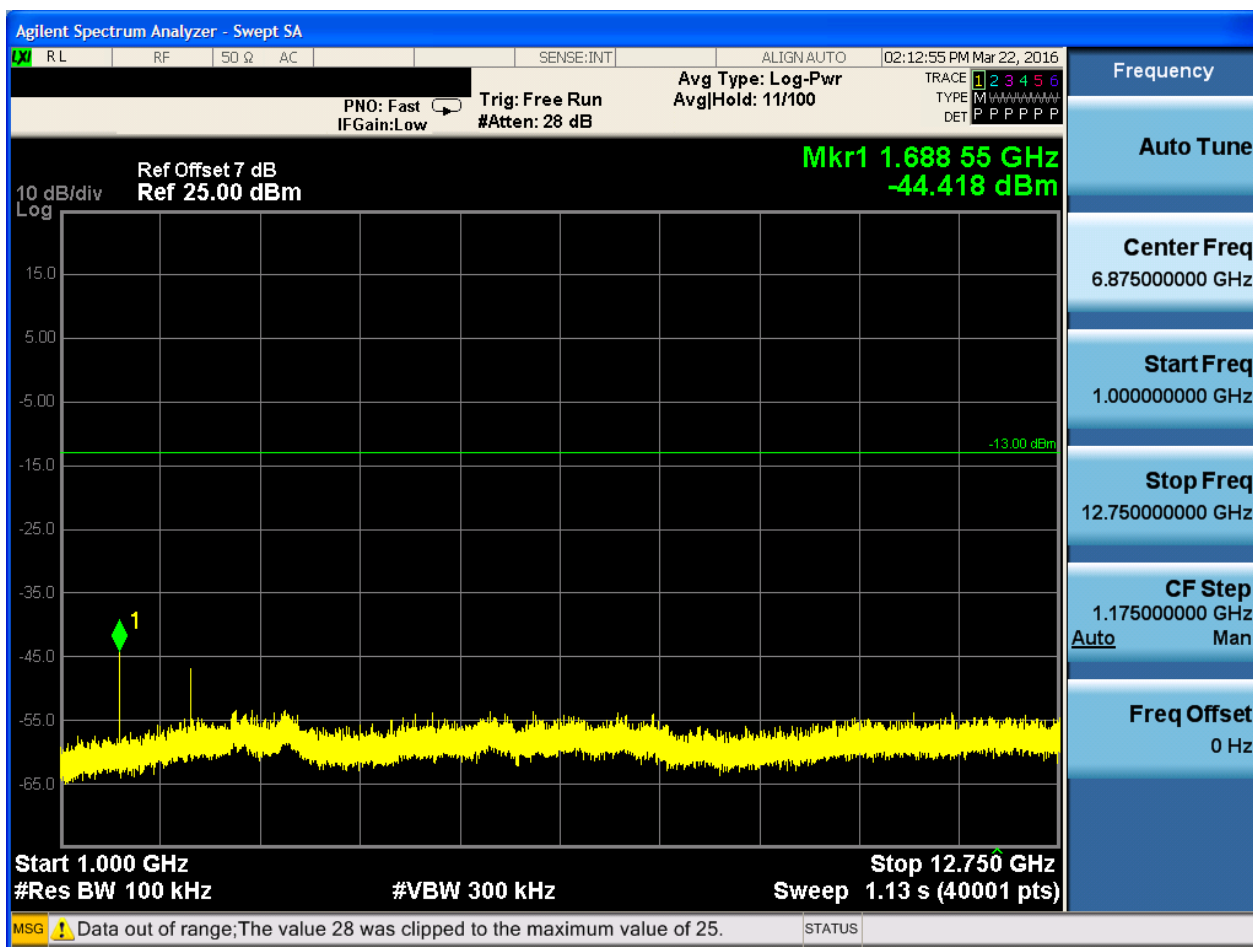
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







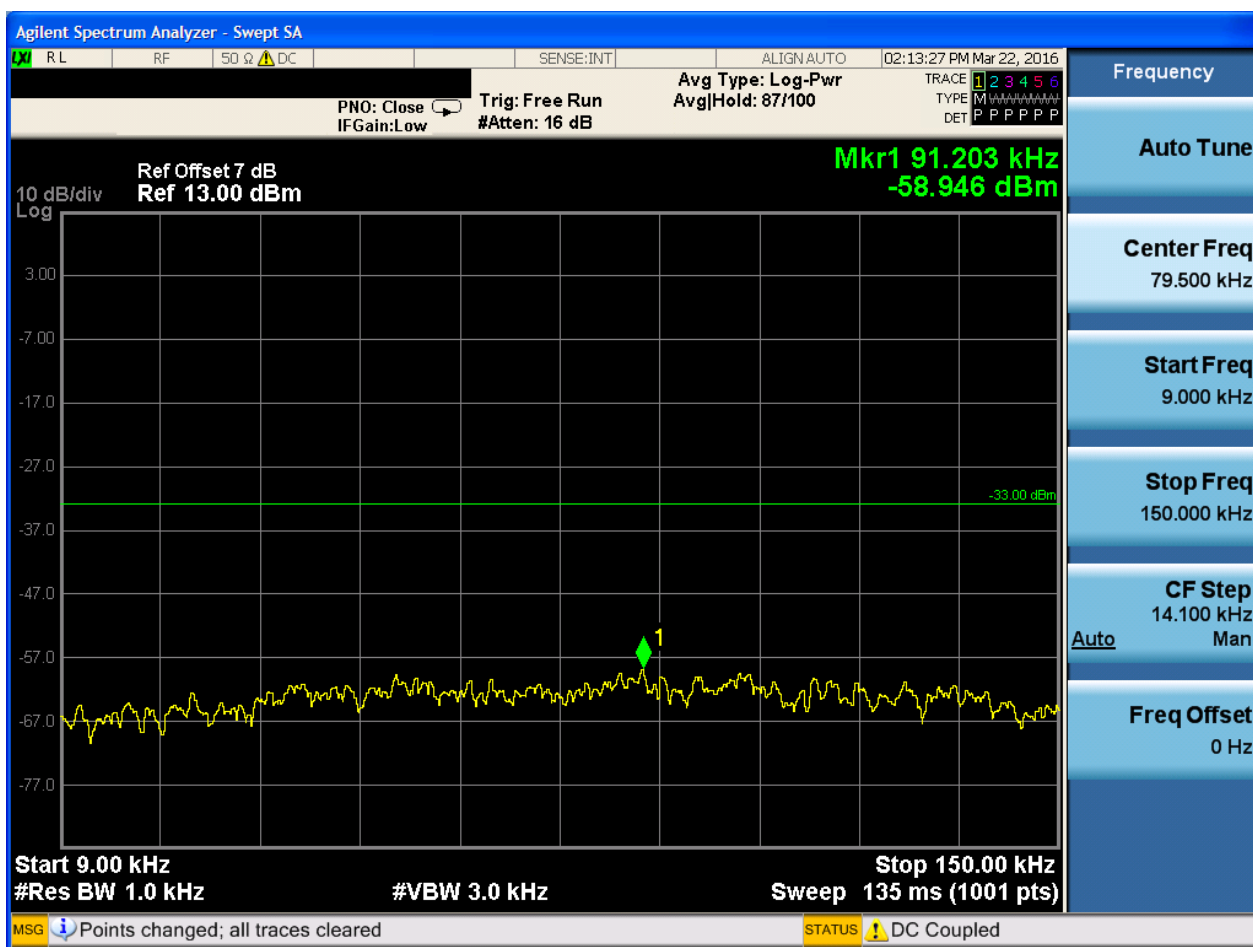




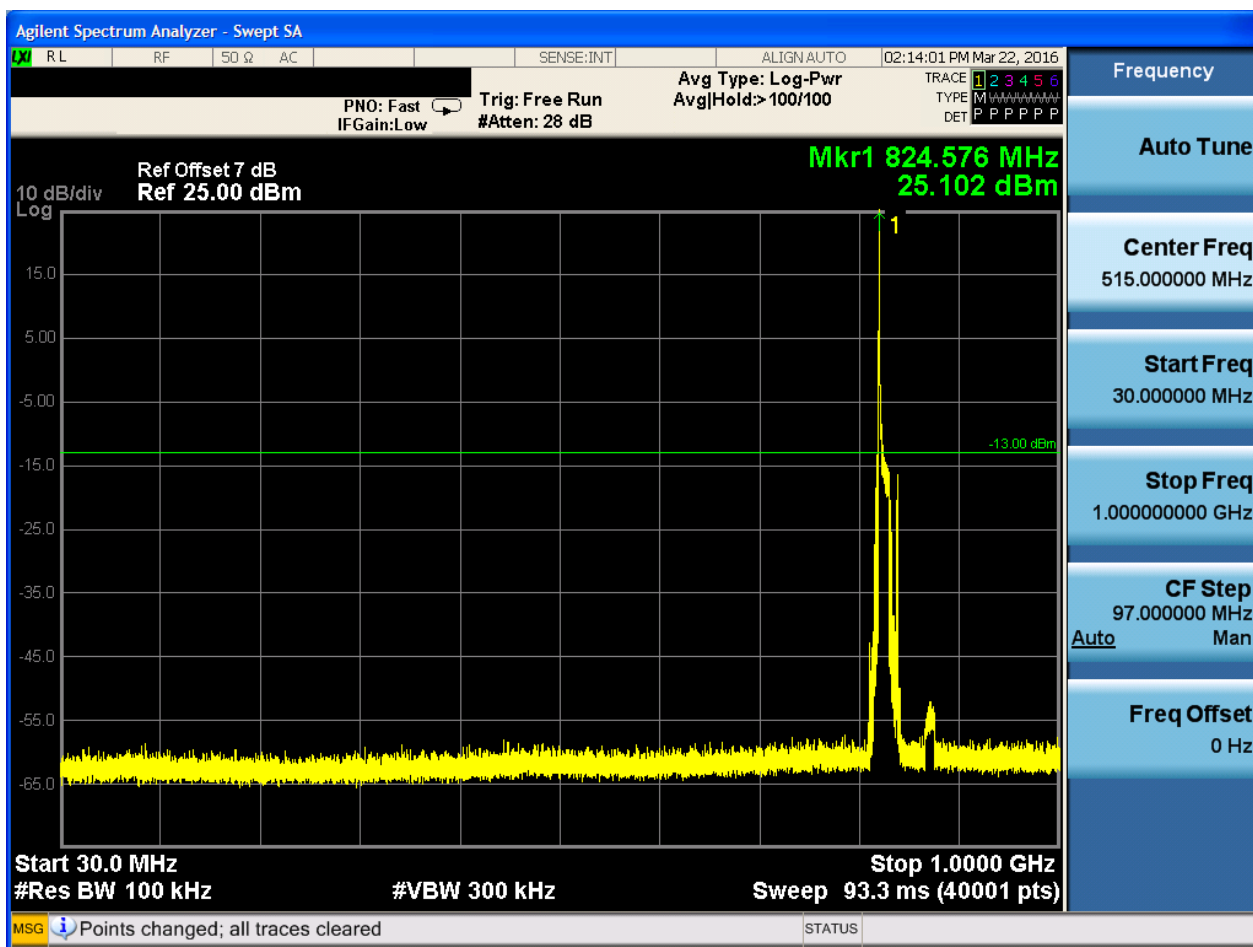
6.1.1.1.4 Test Bandwidth = 10

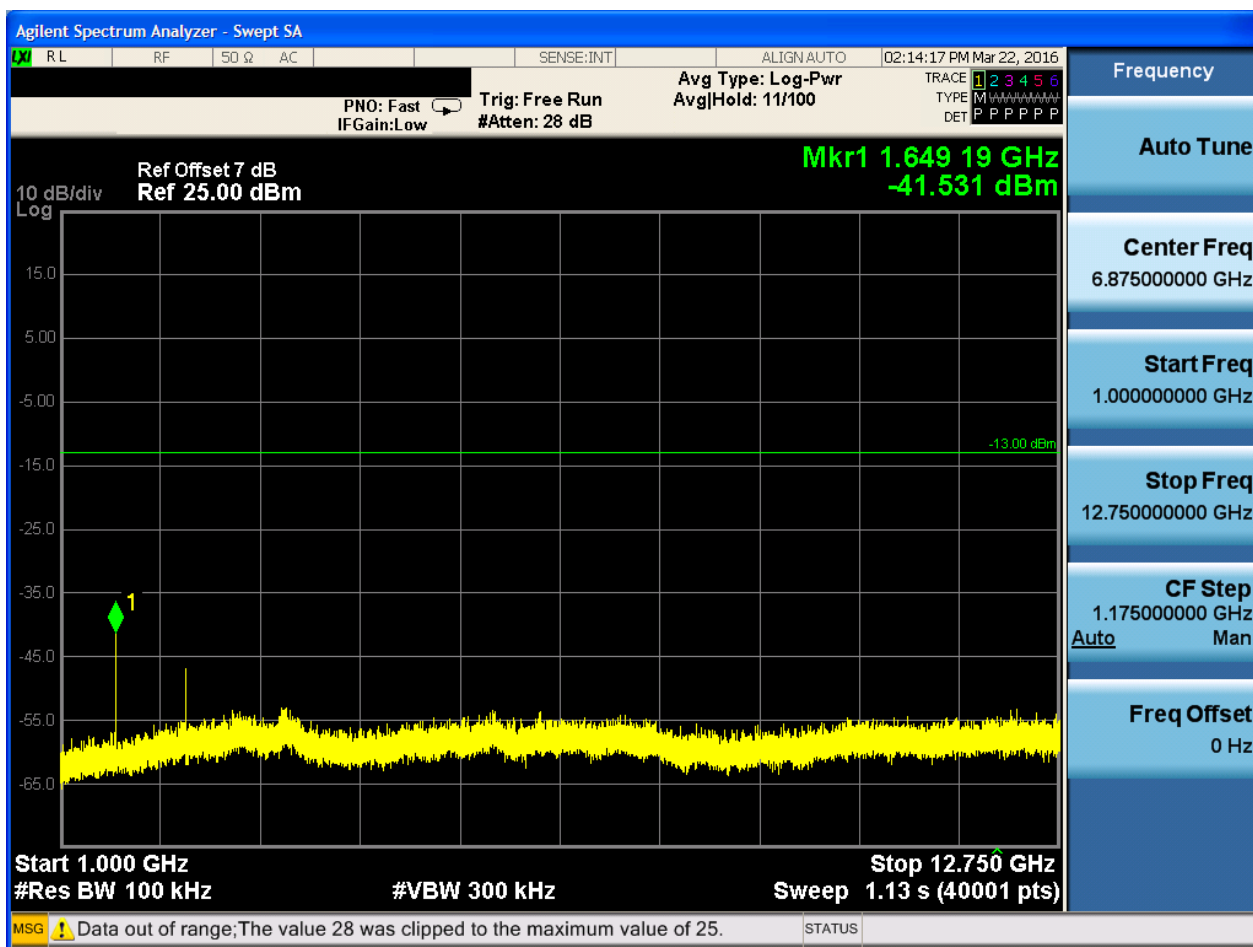
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





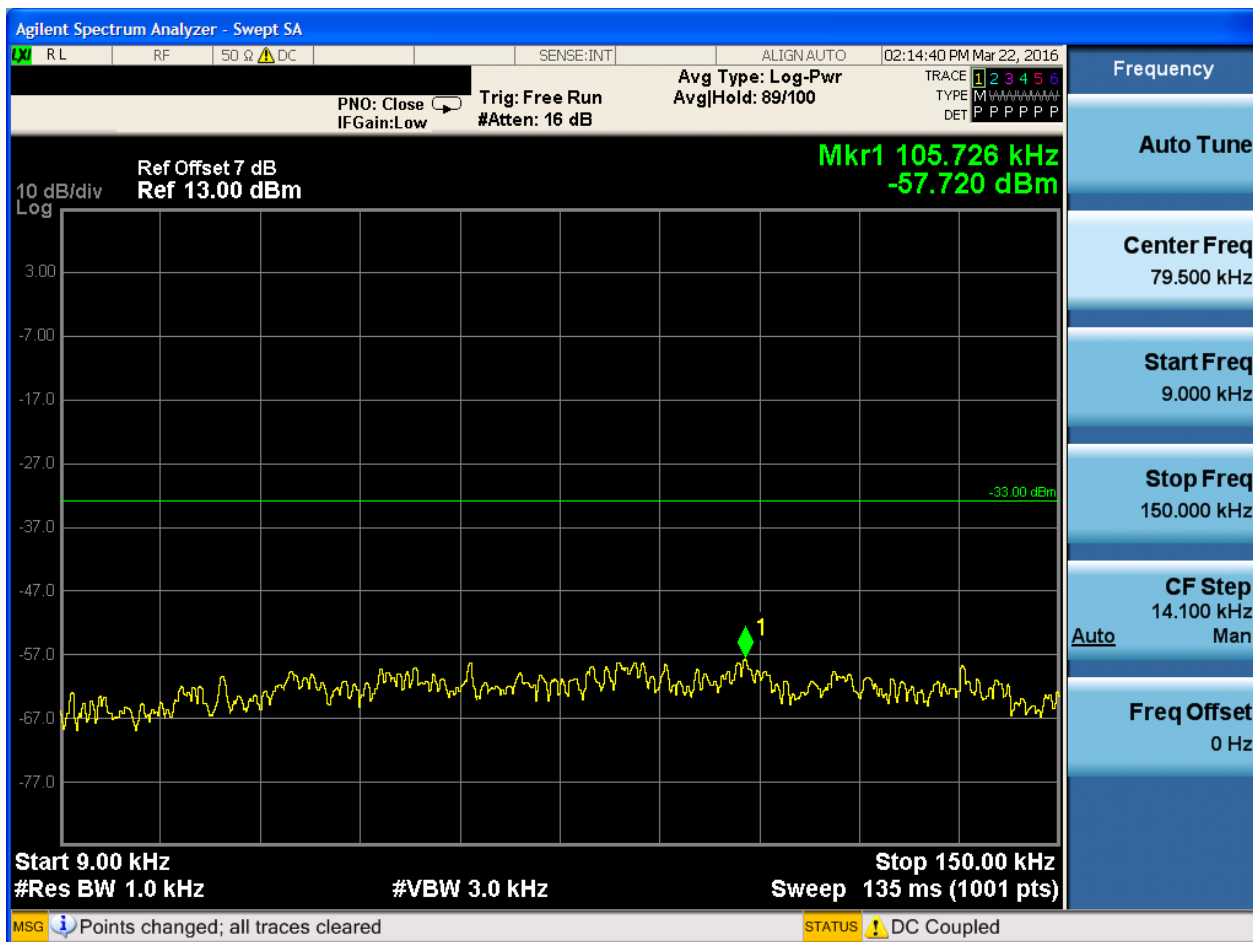




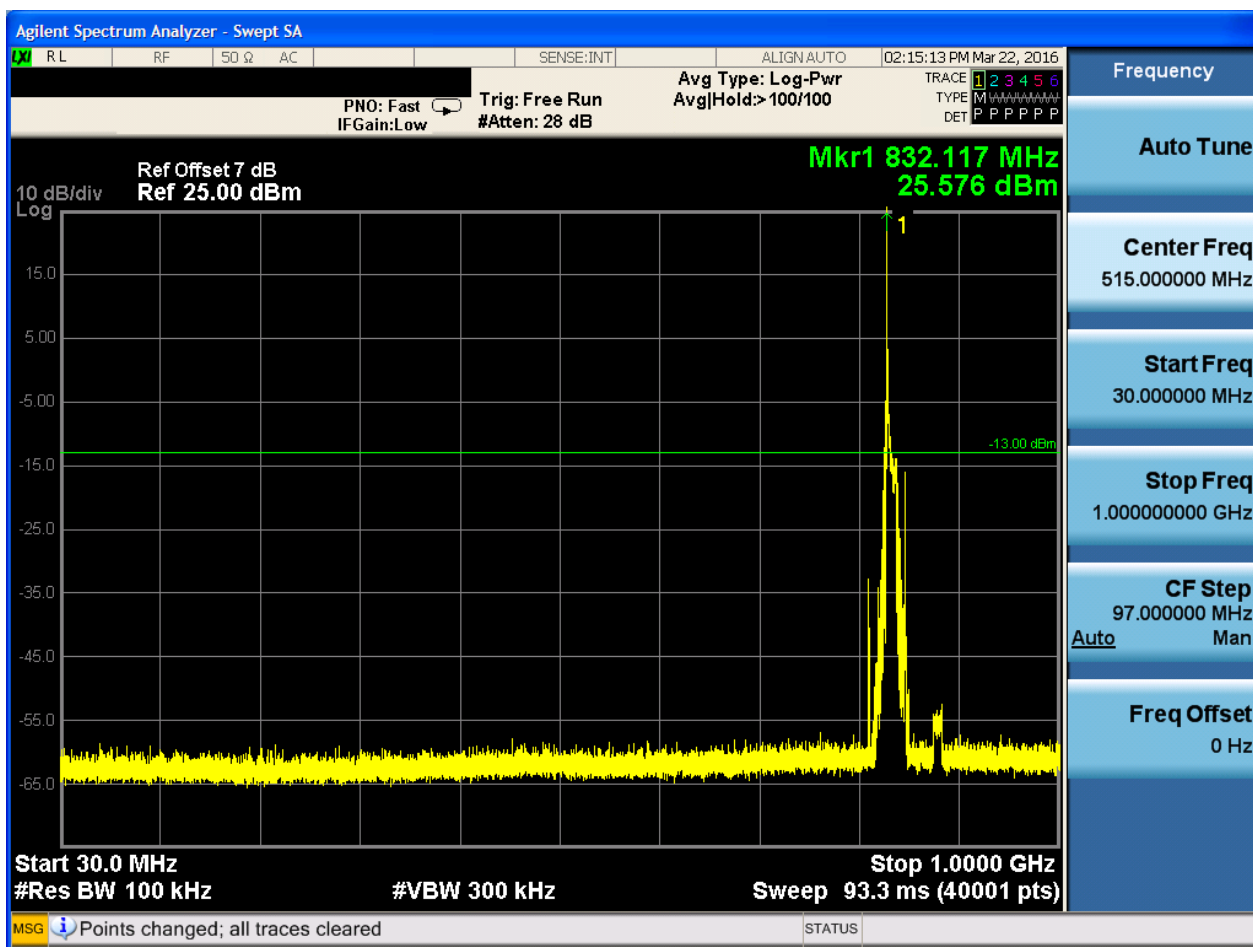


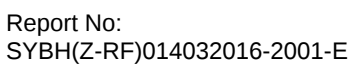
6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



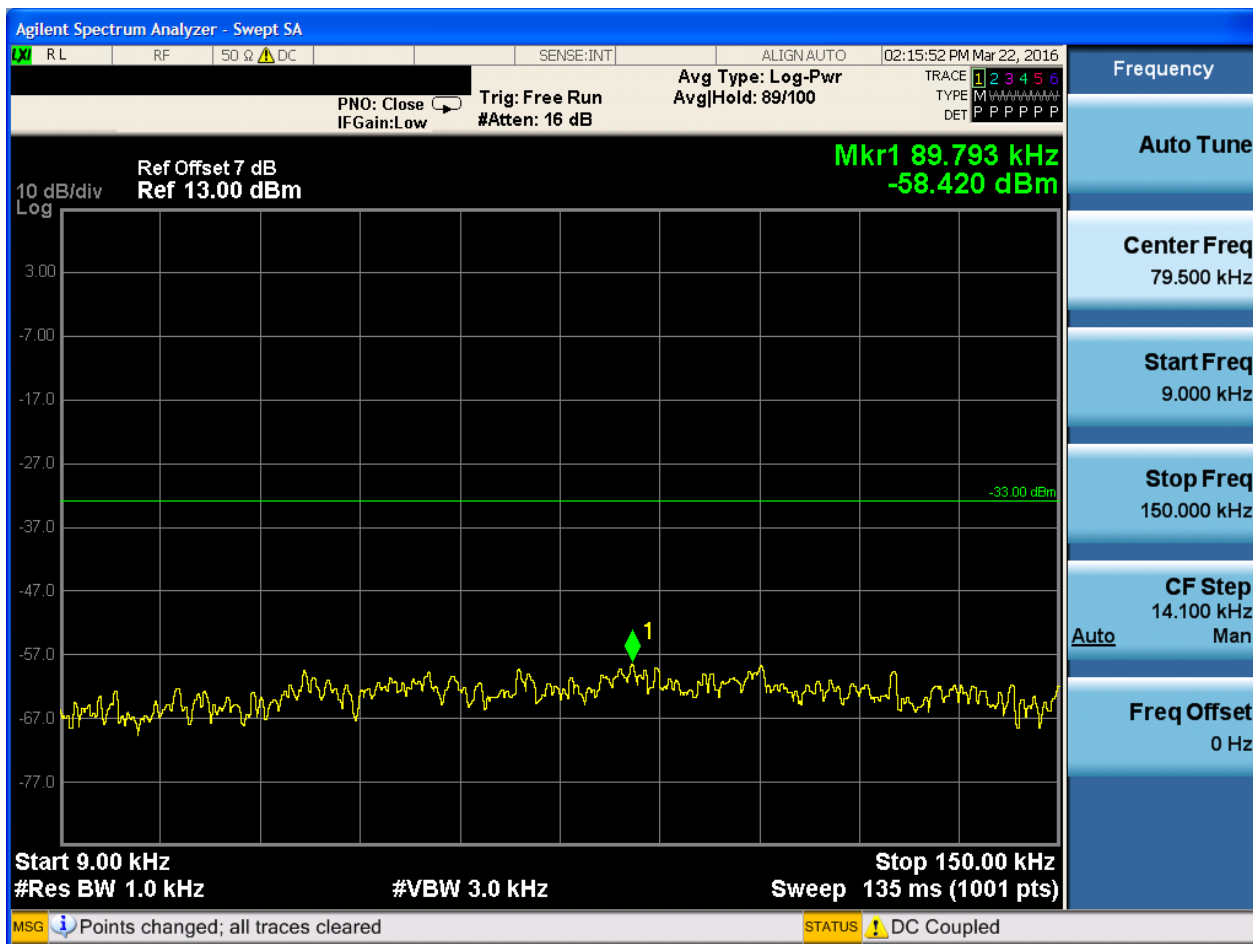


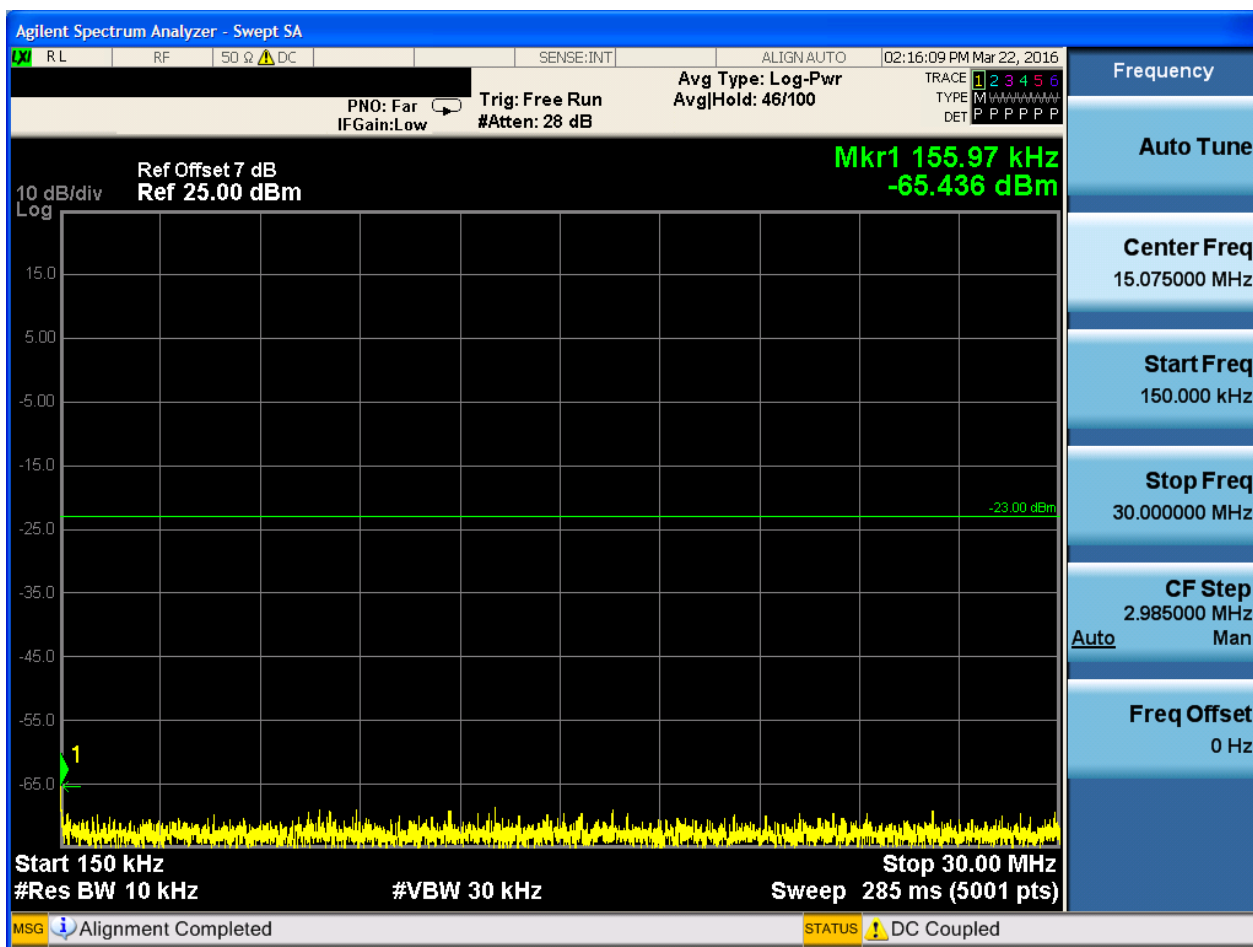


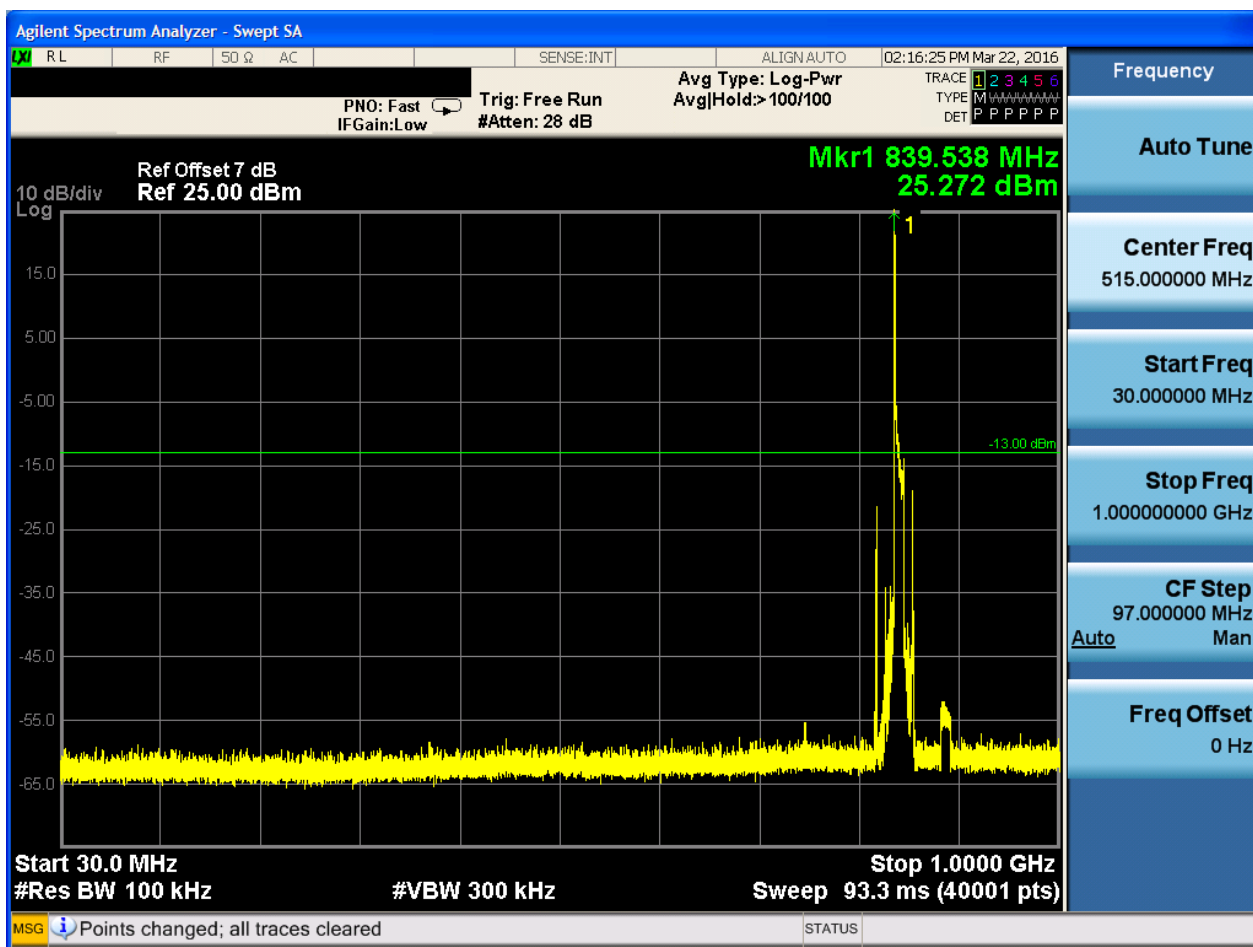


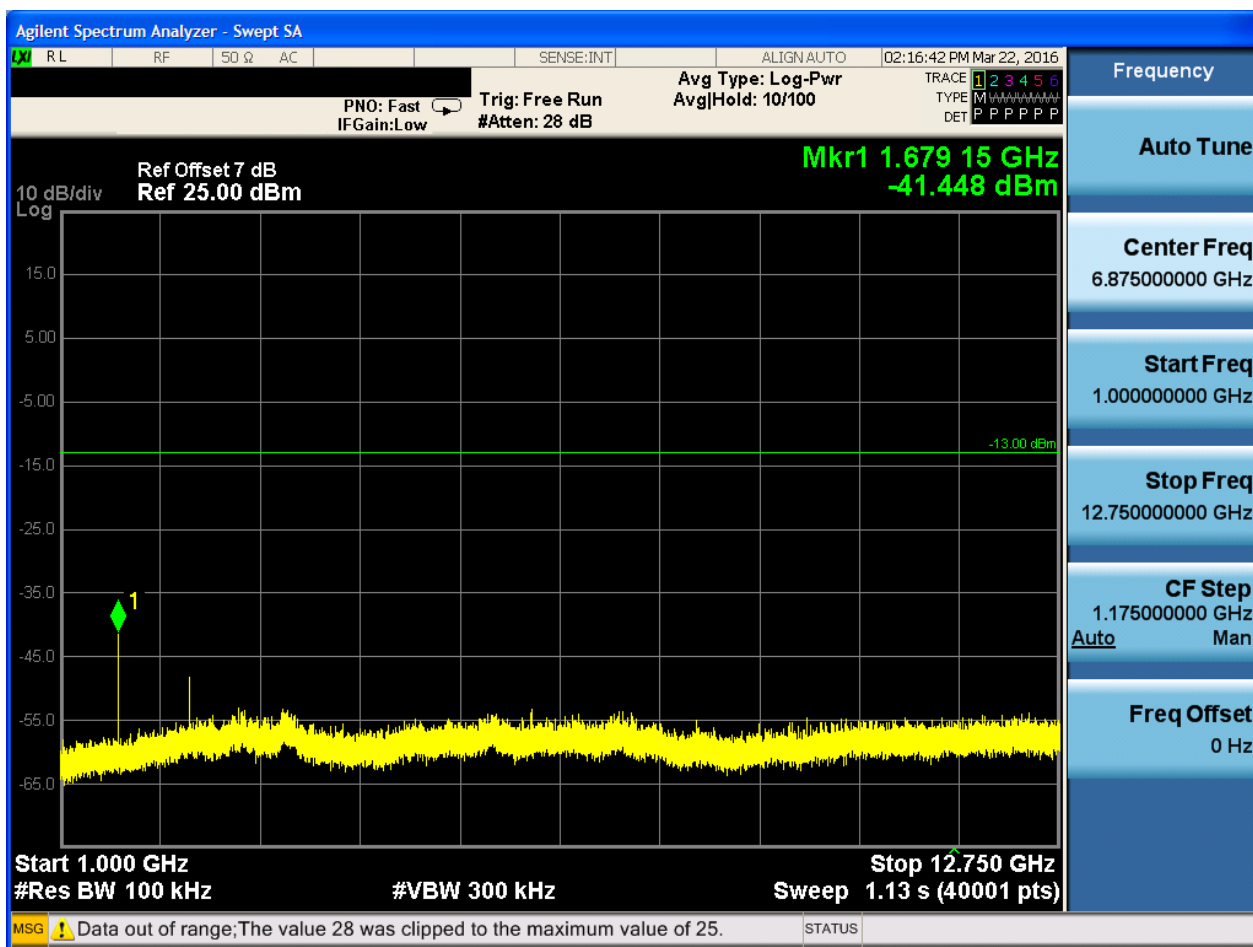
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









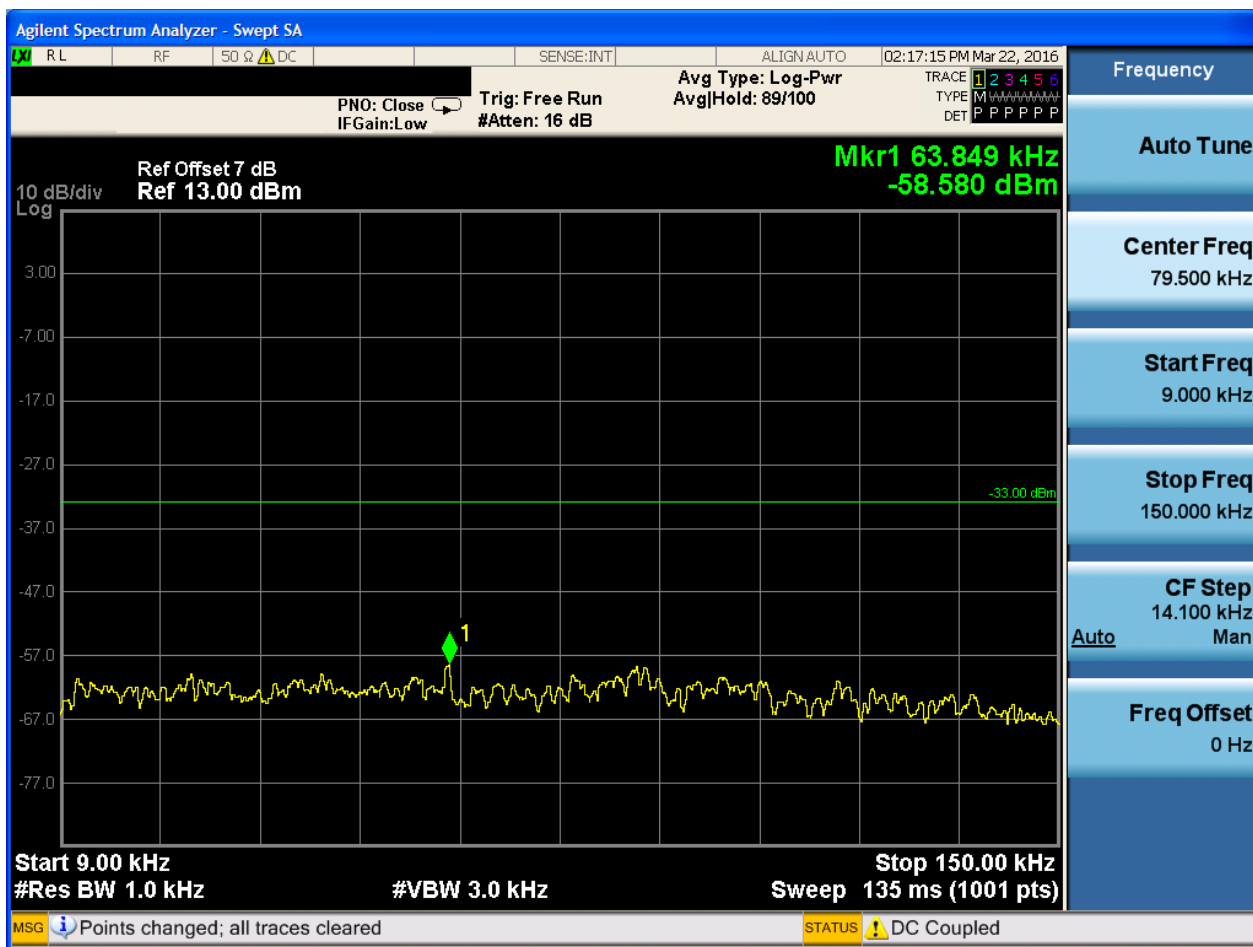


6.1.1.2 Test Mode = LTE/TM2

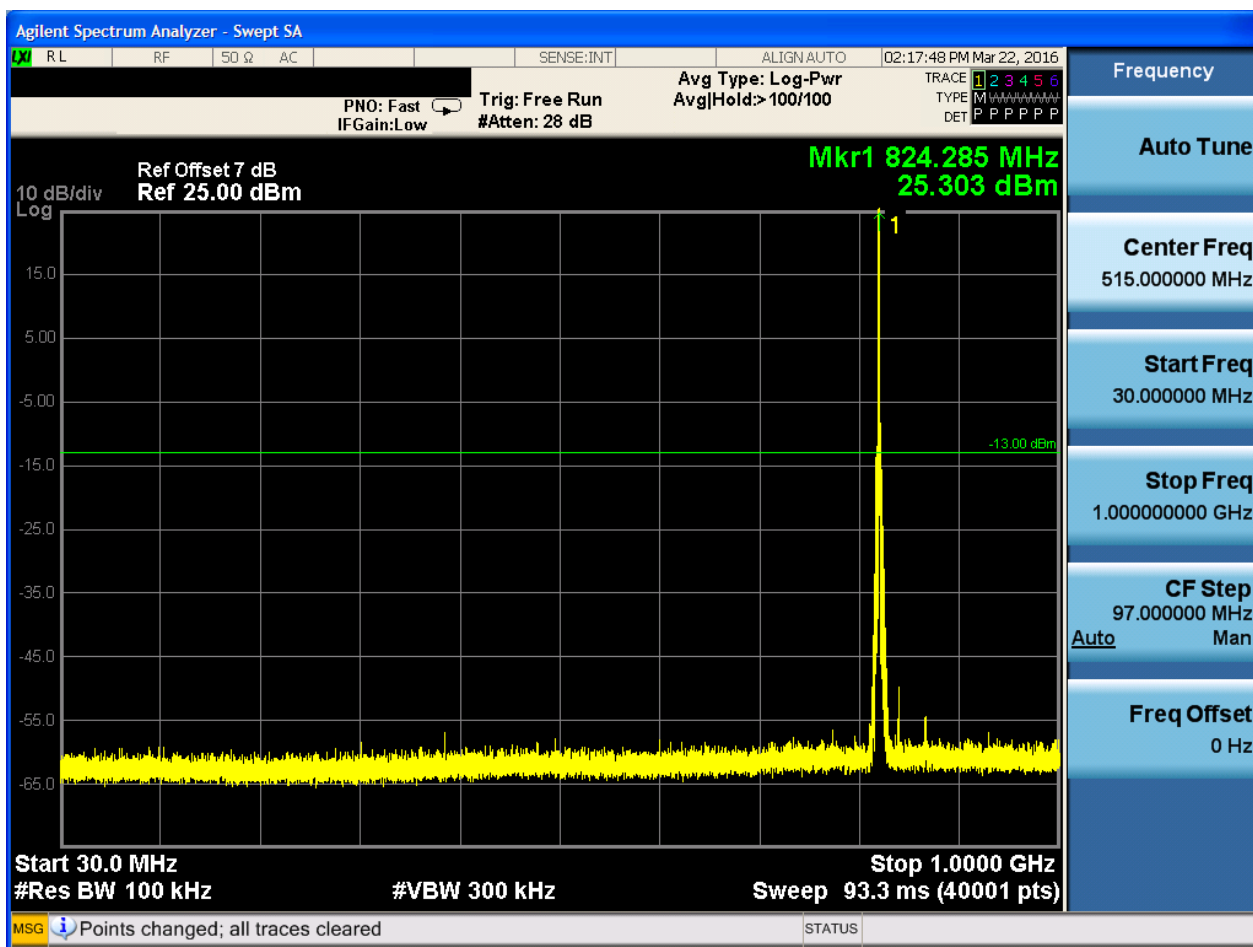
6.1.1.2.1 Test Bandwidth = 1.4

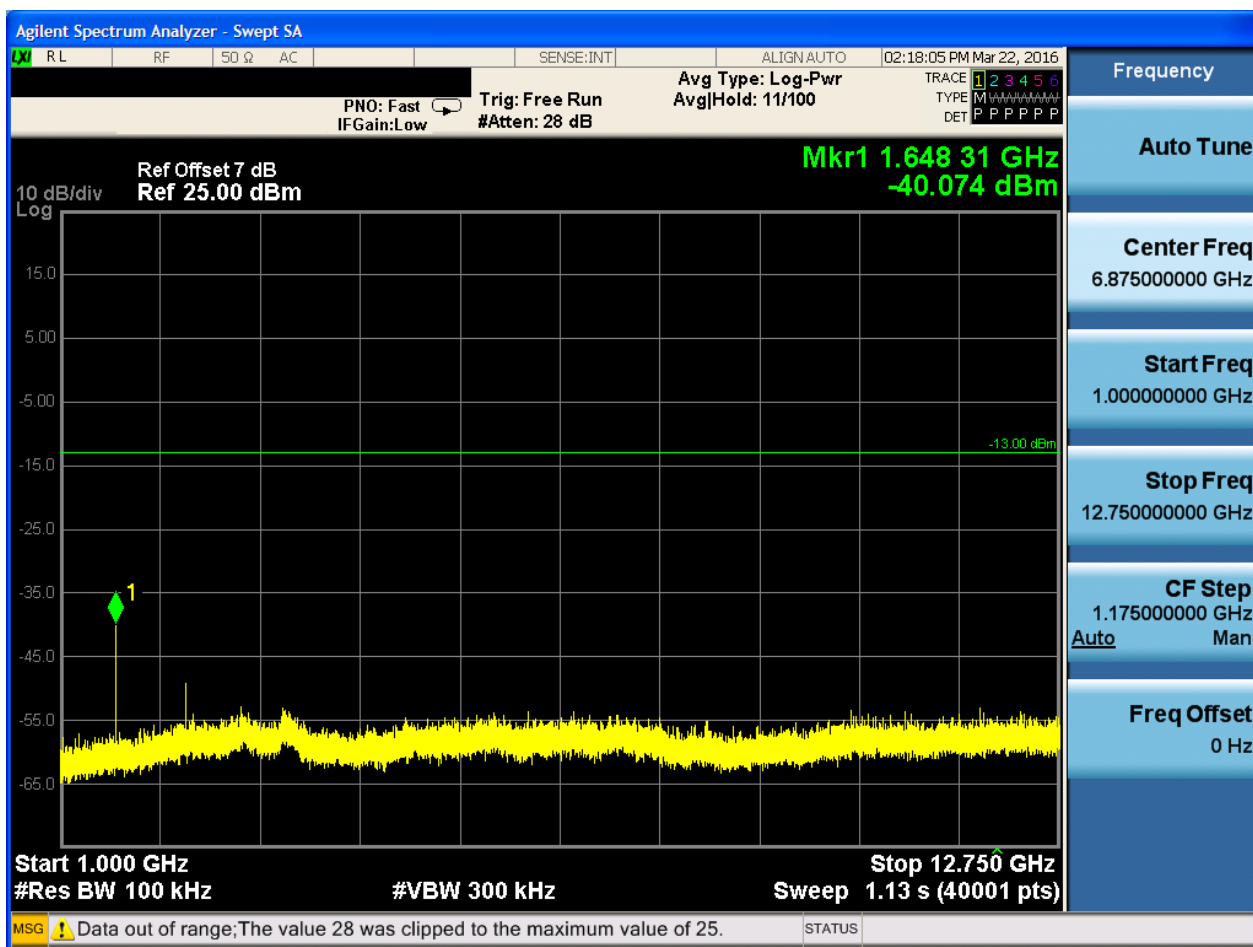
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





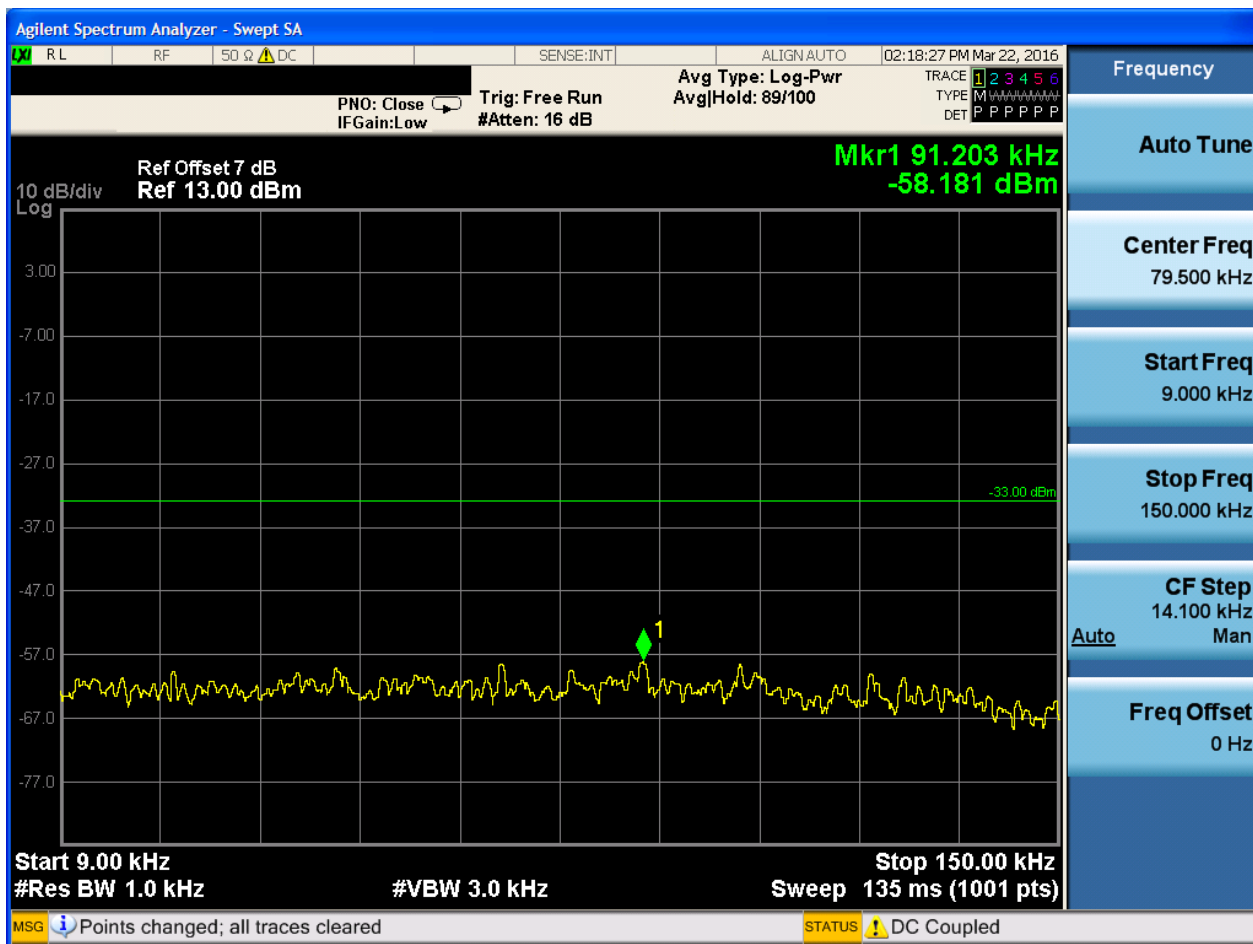




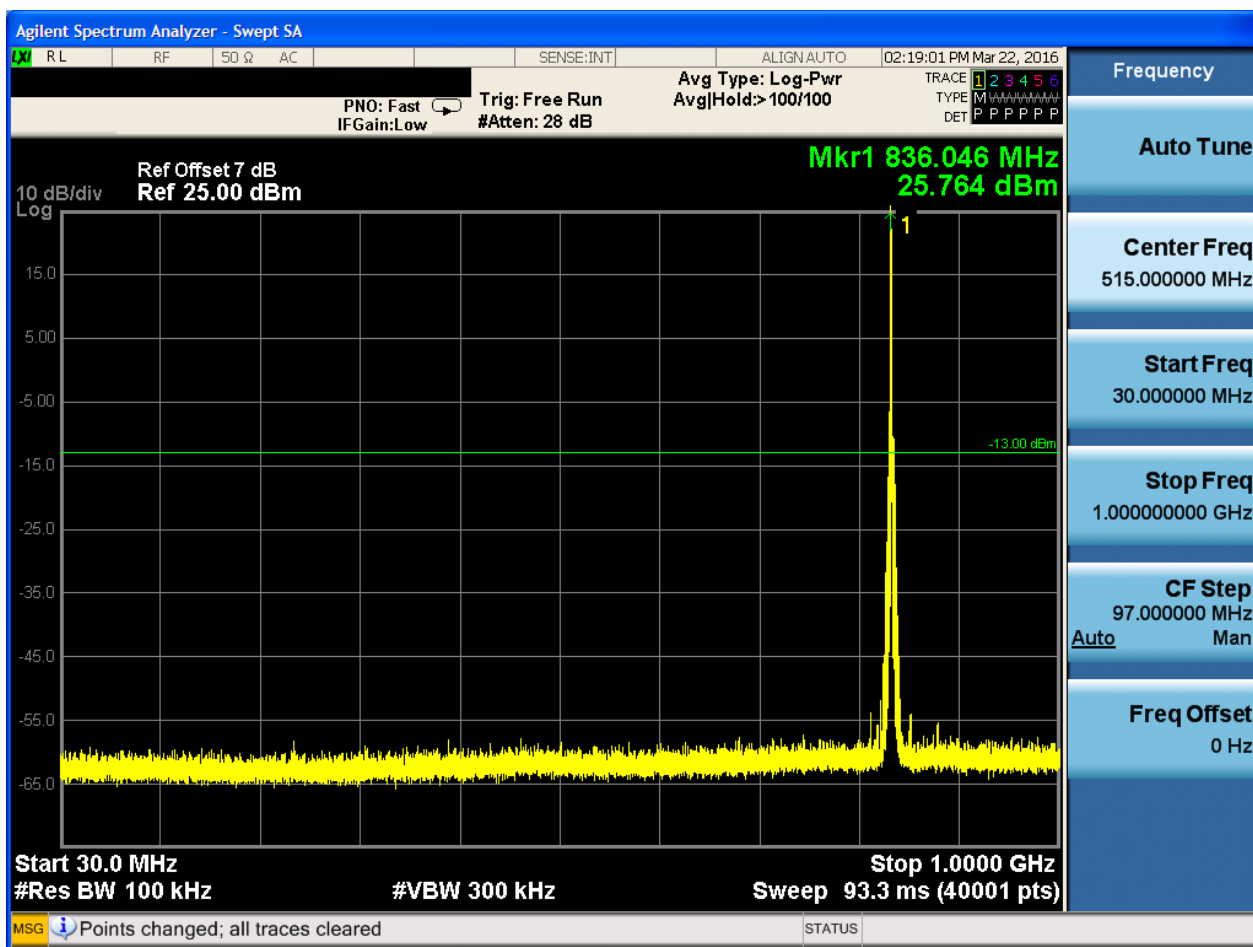


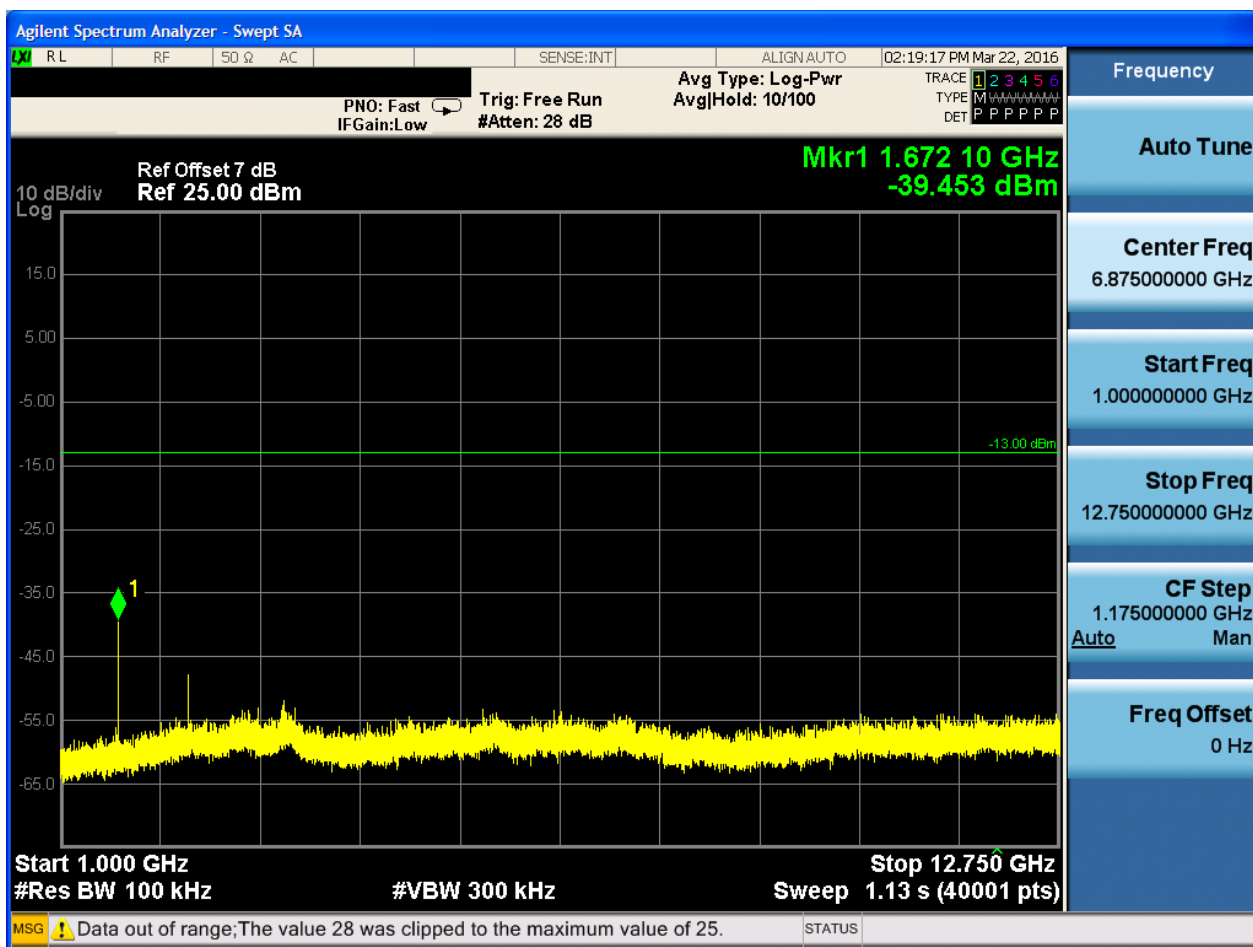
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





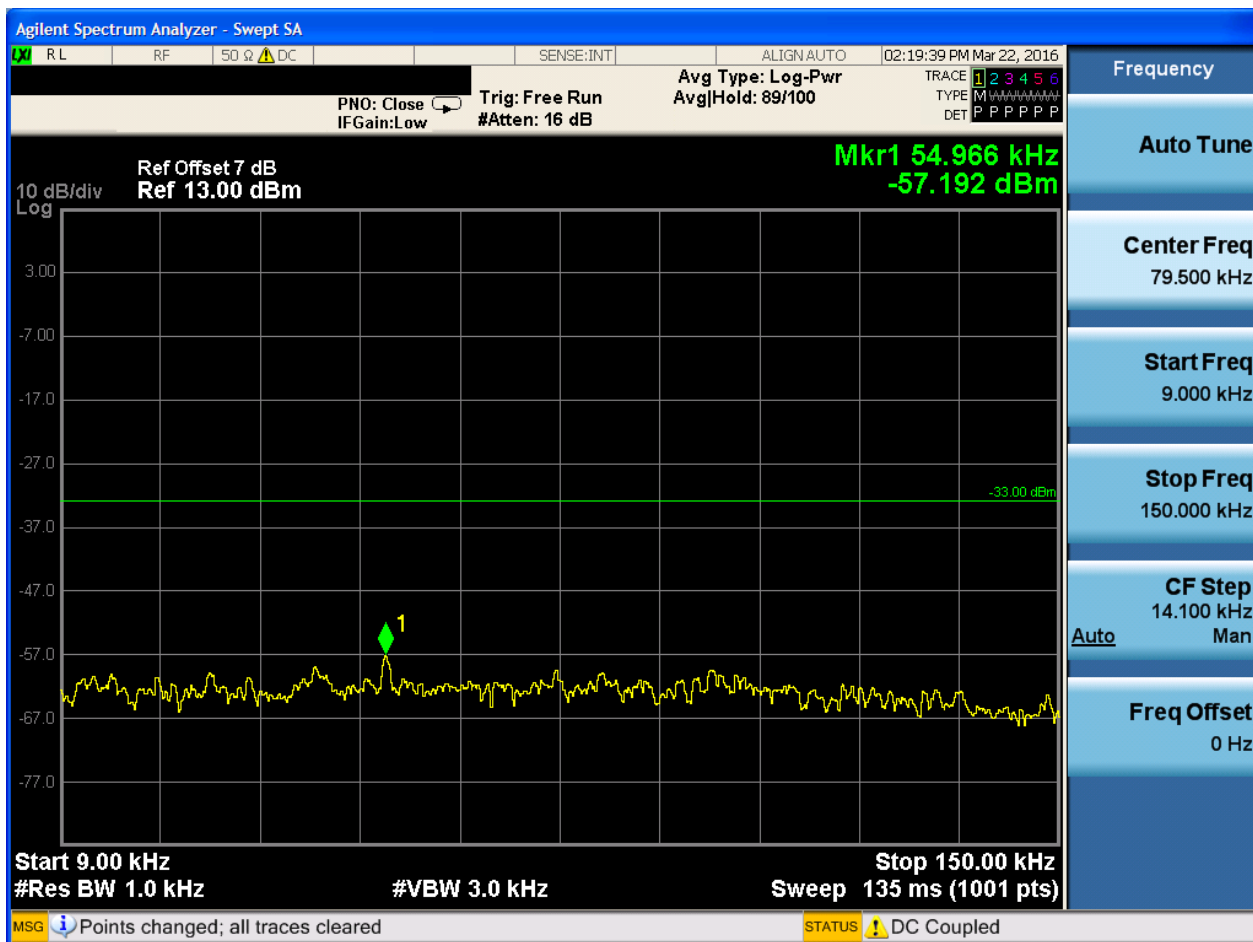




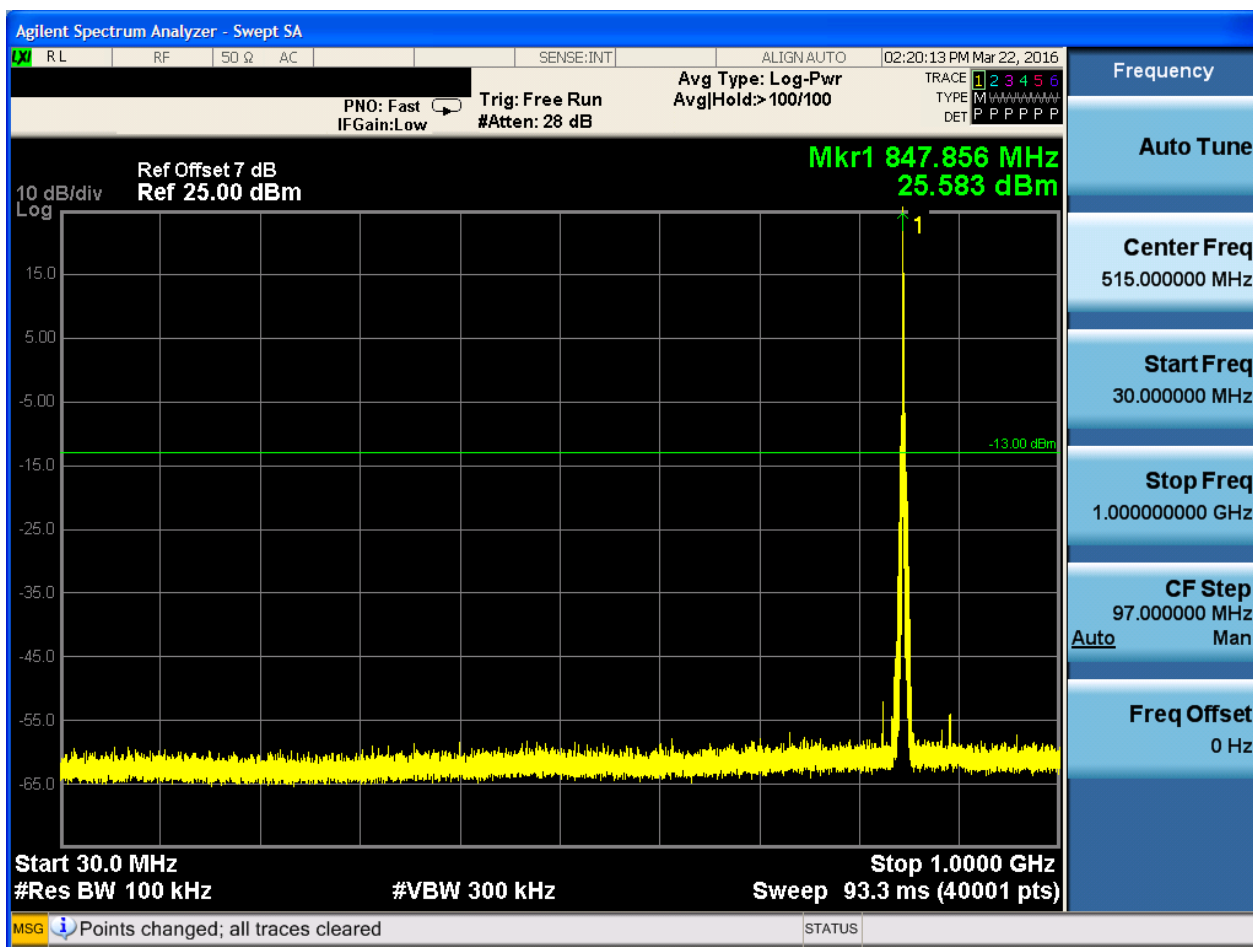


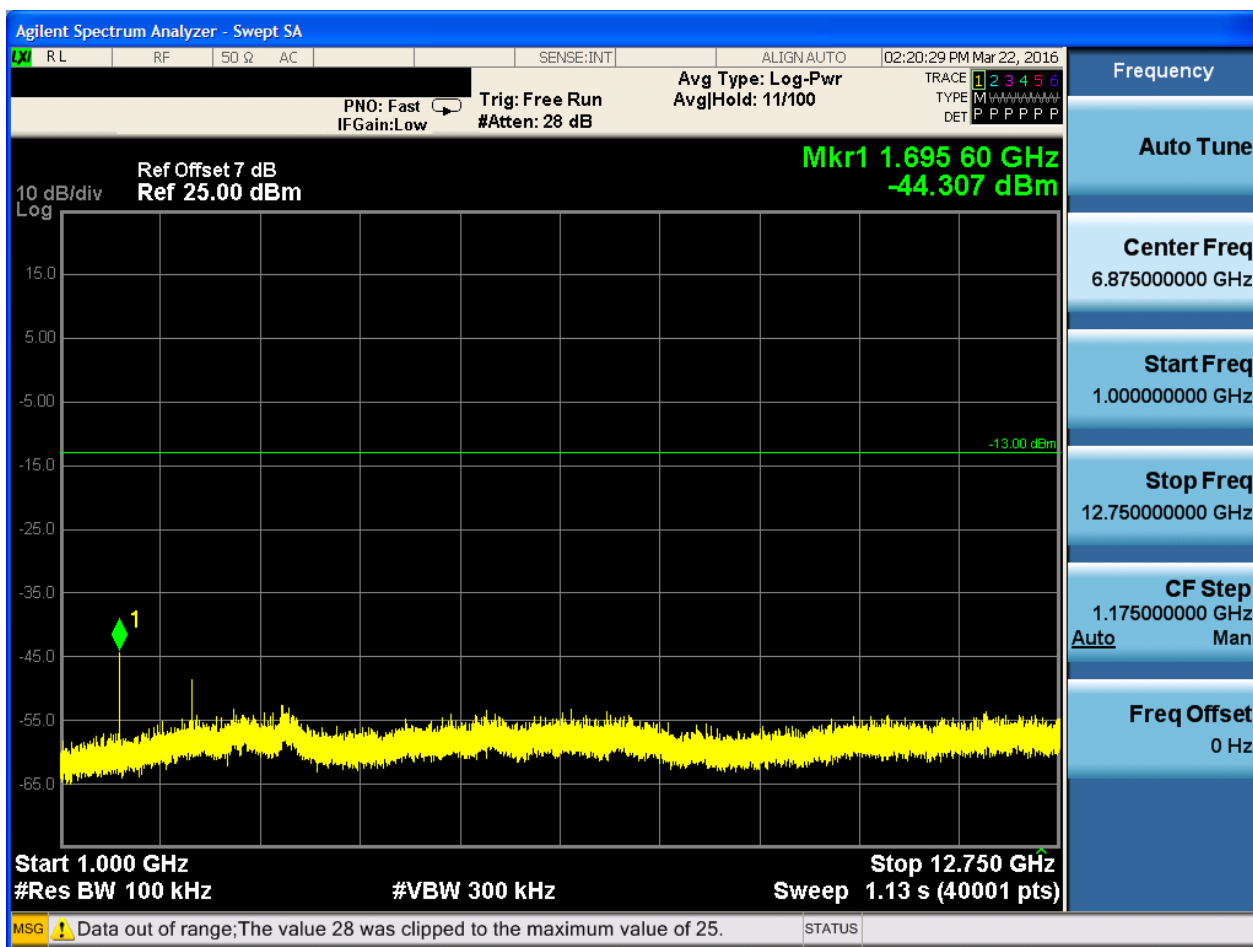
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







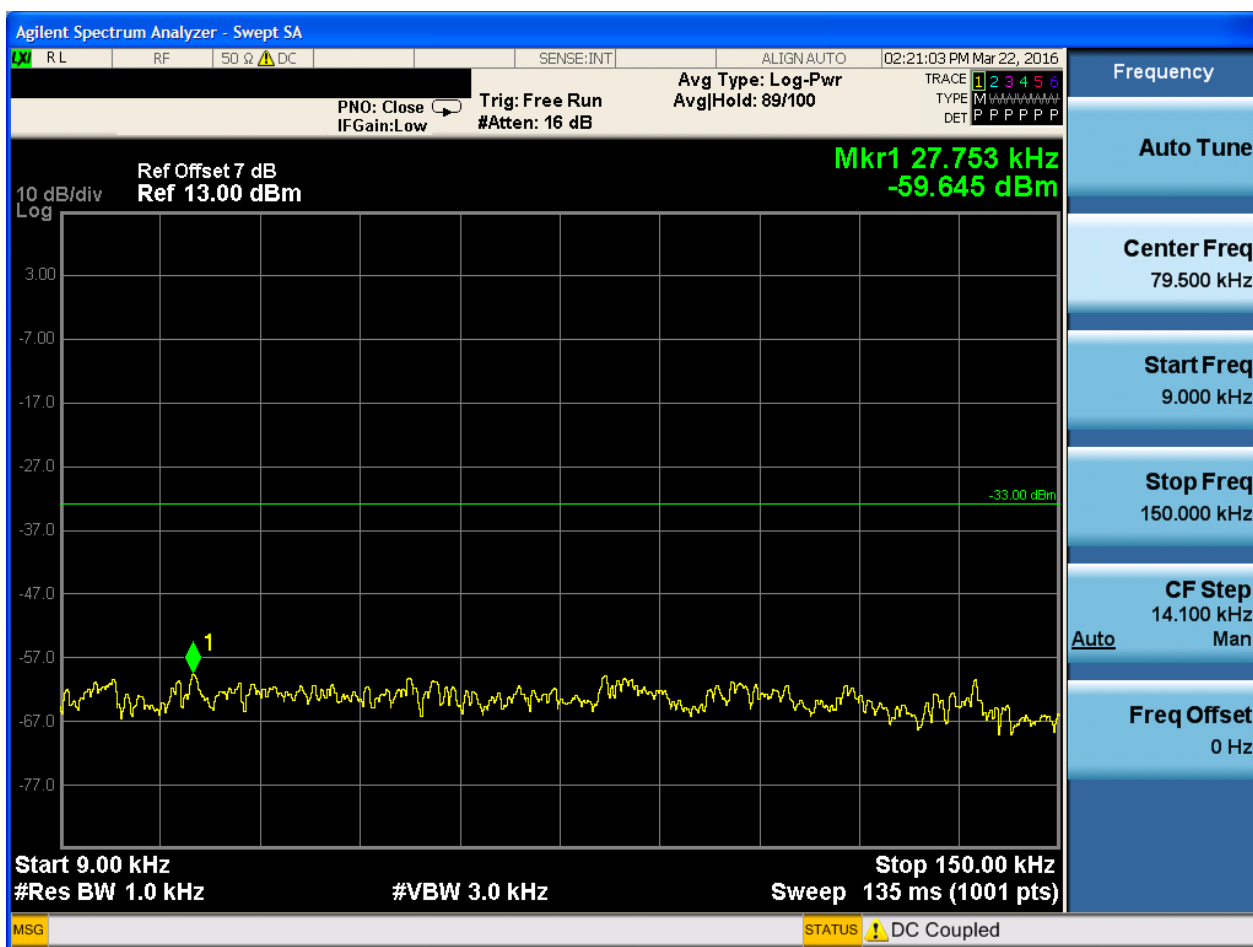




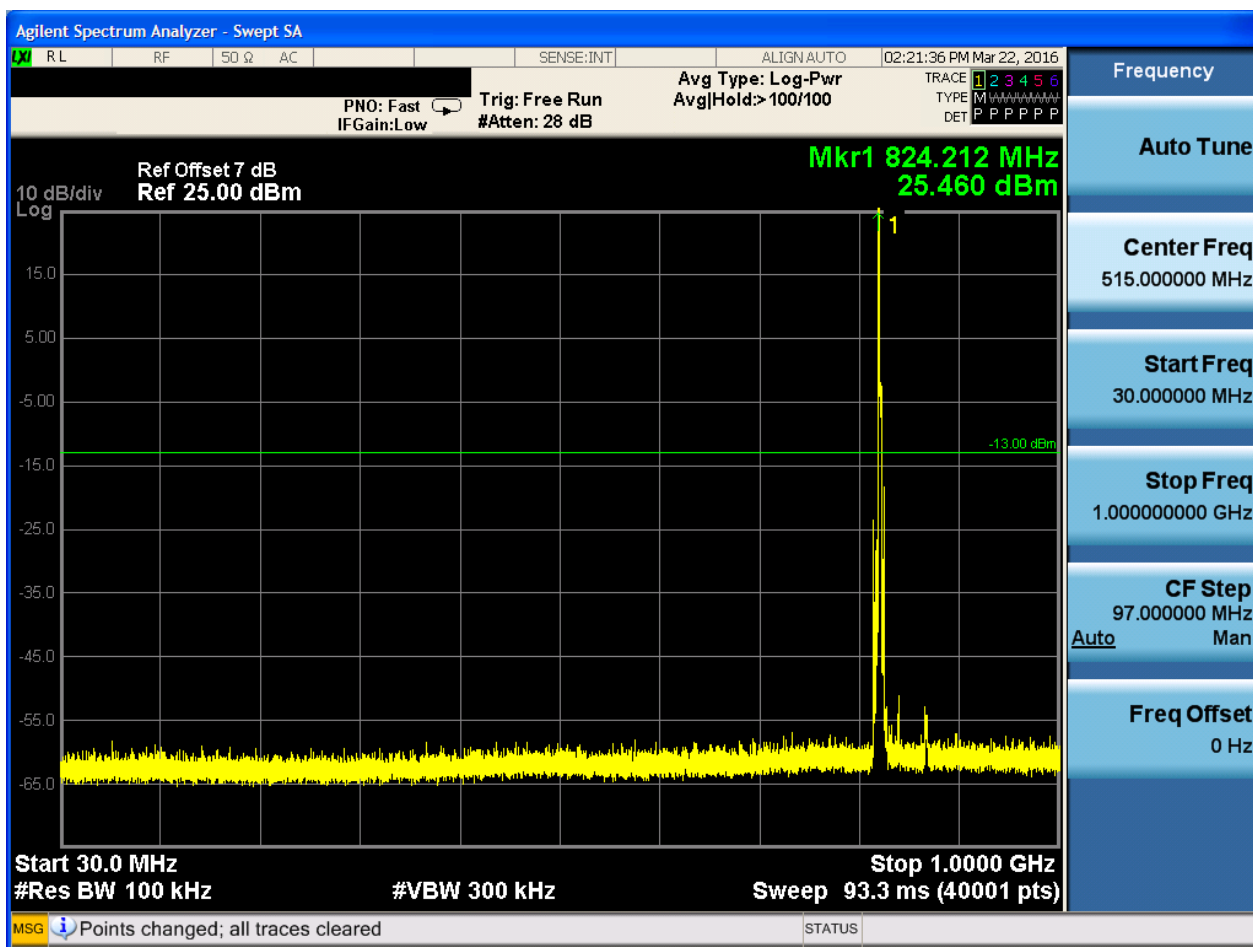
6.1.1.2.2 Test Bandwidth = 3

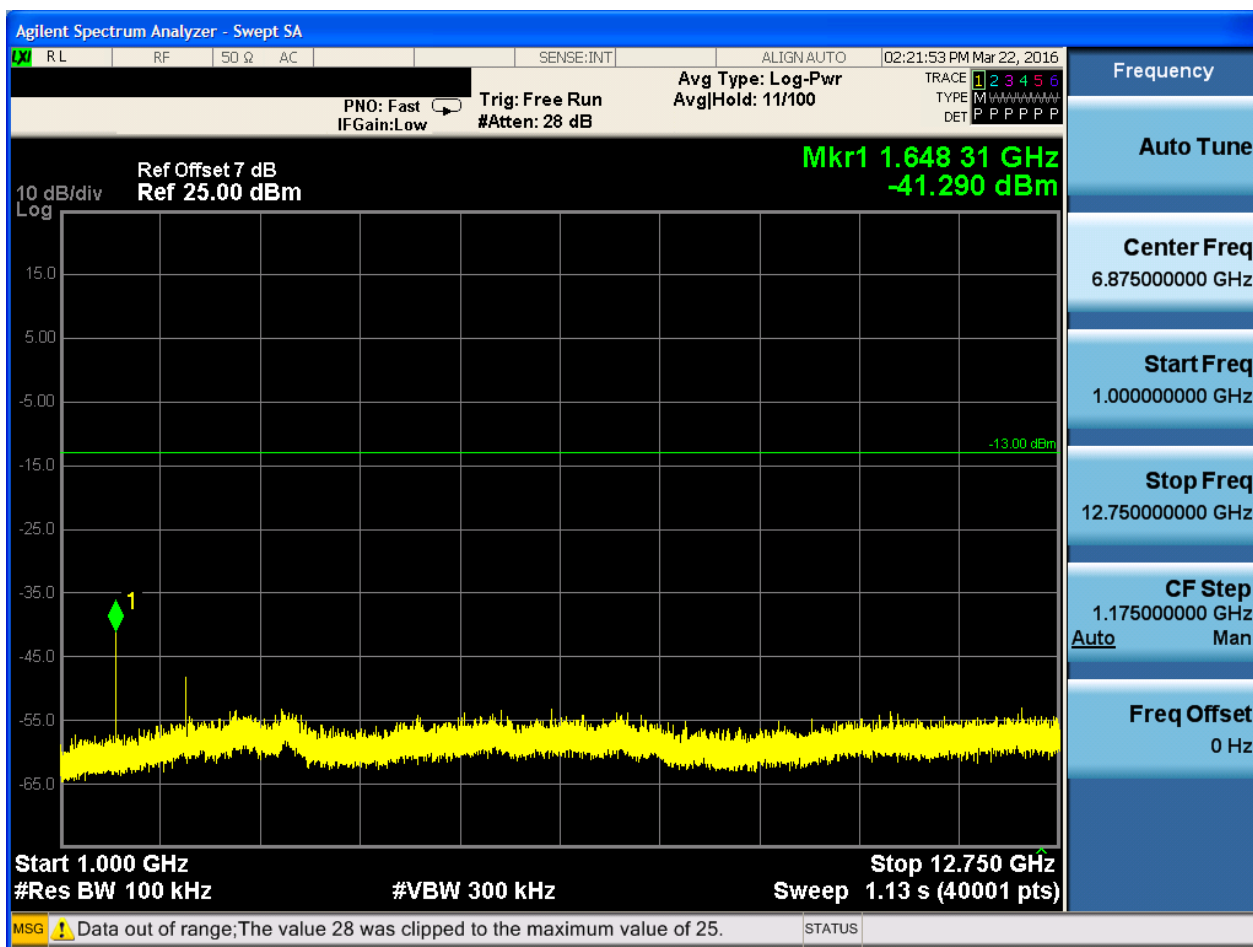
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



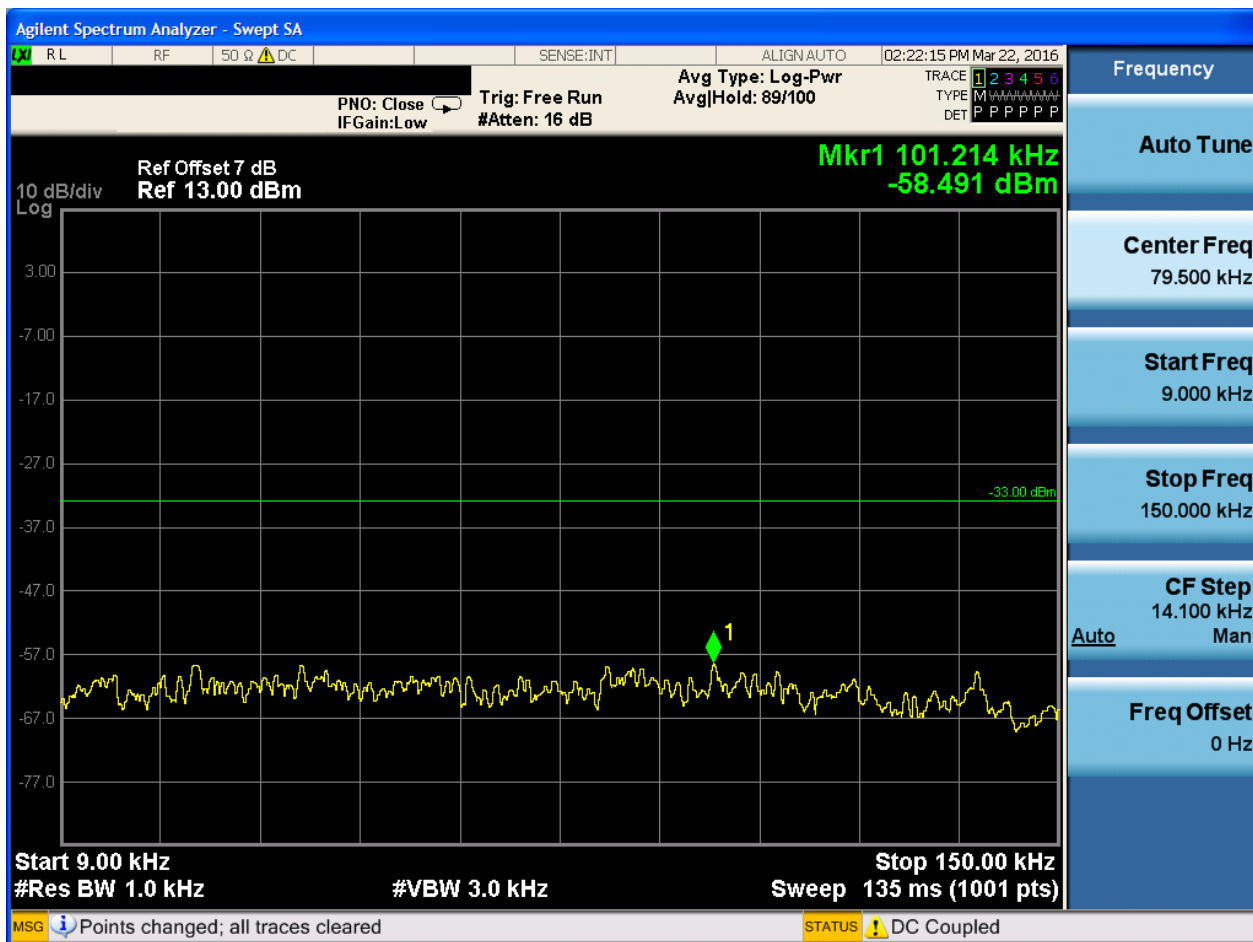


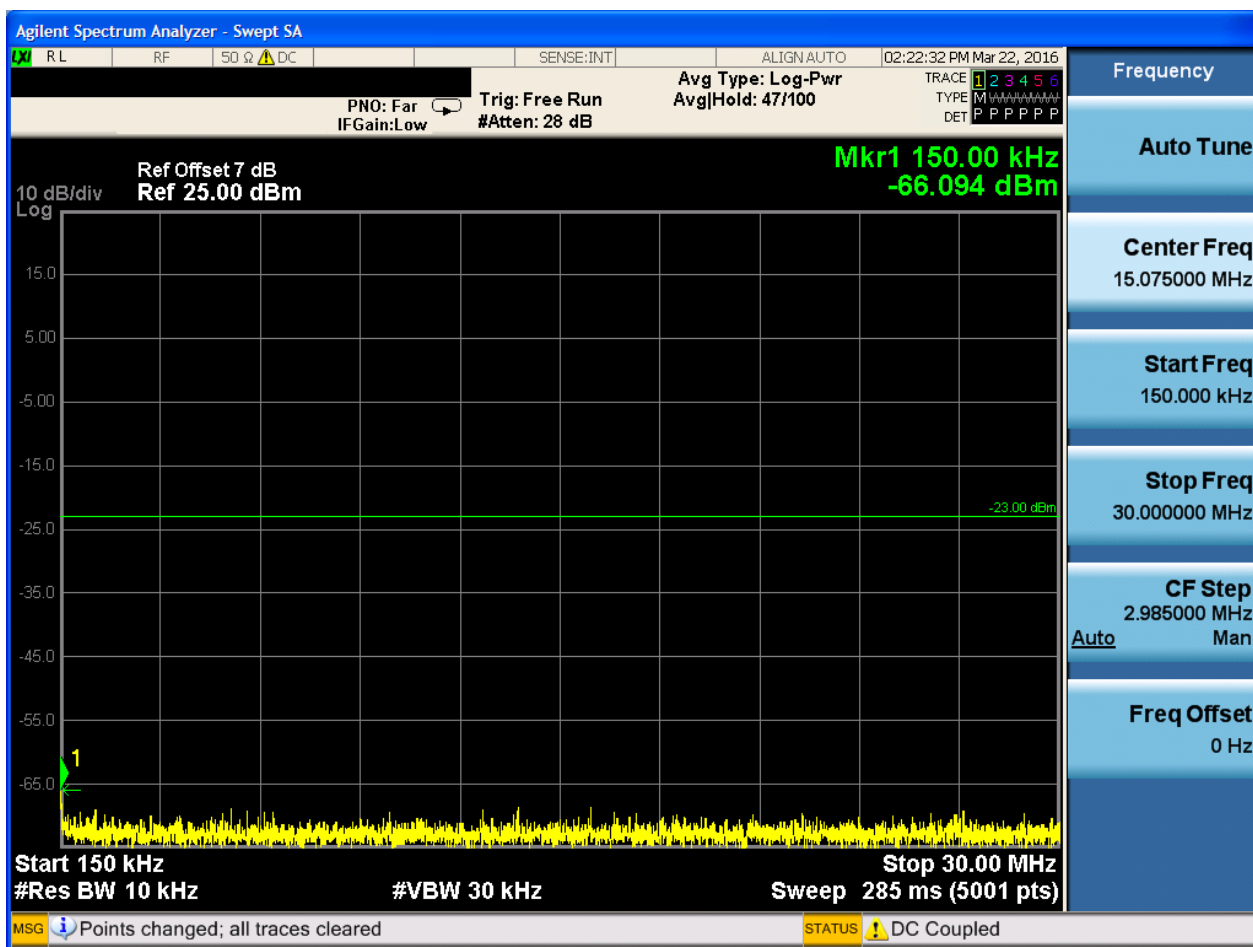


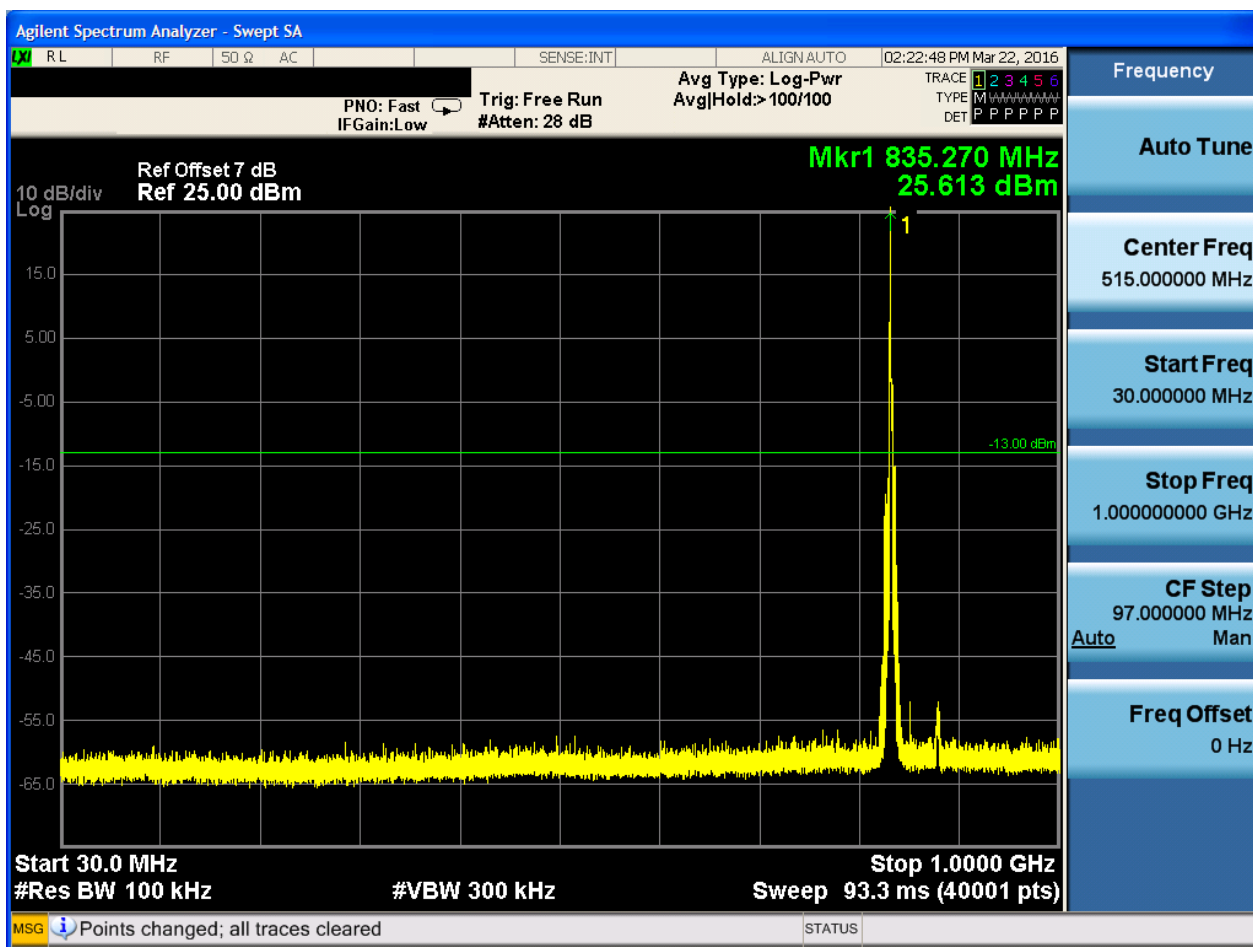


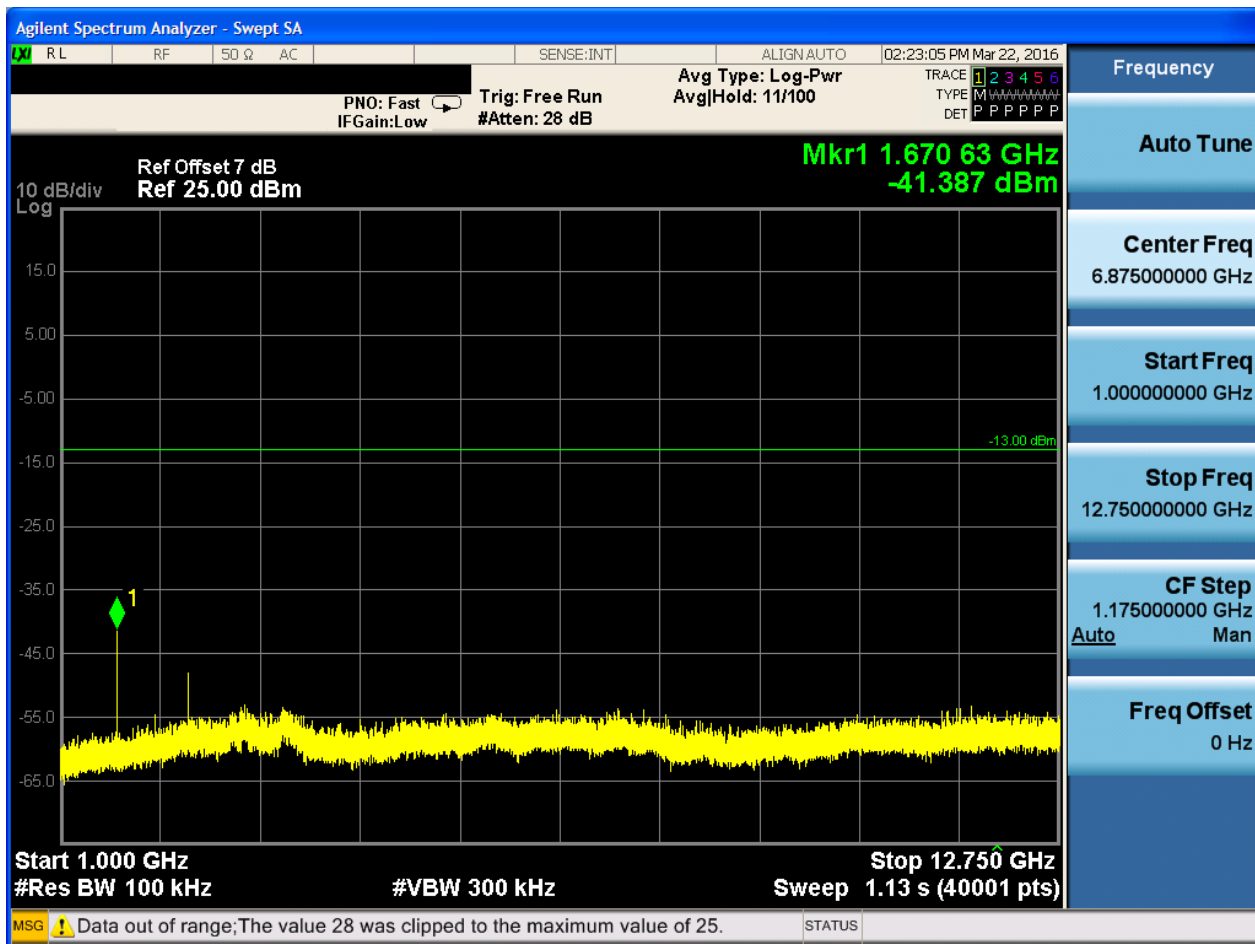
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



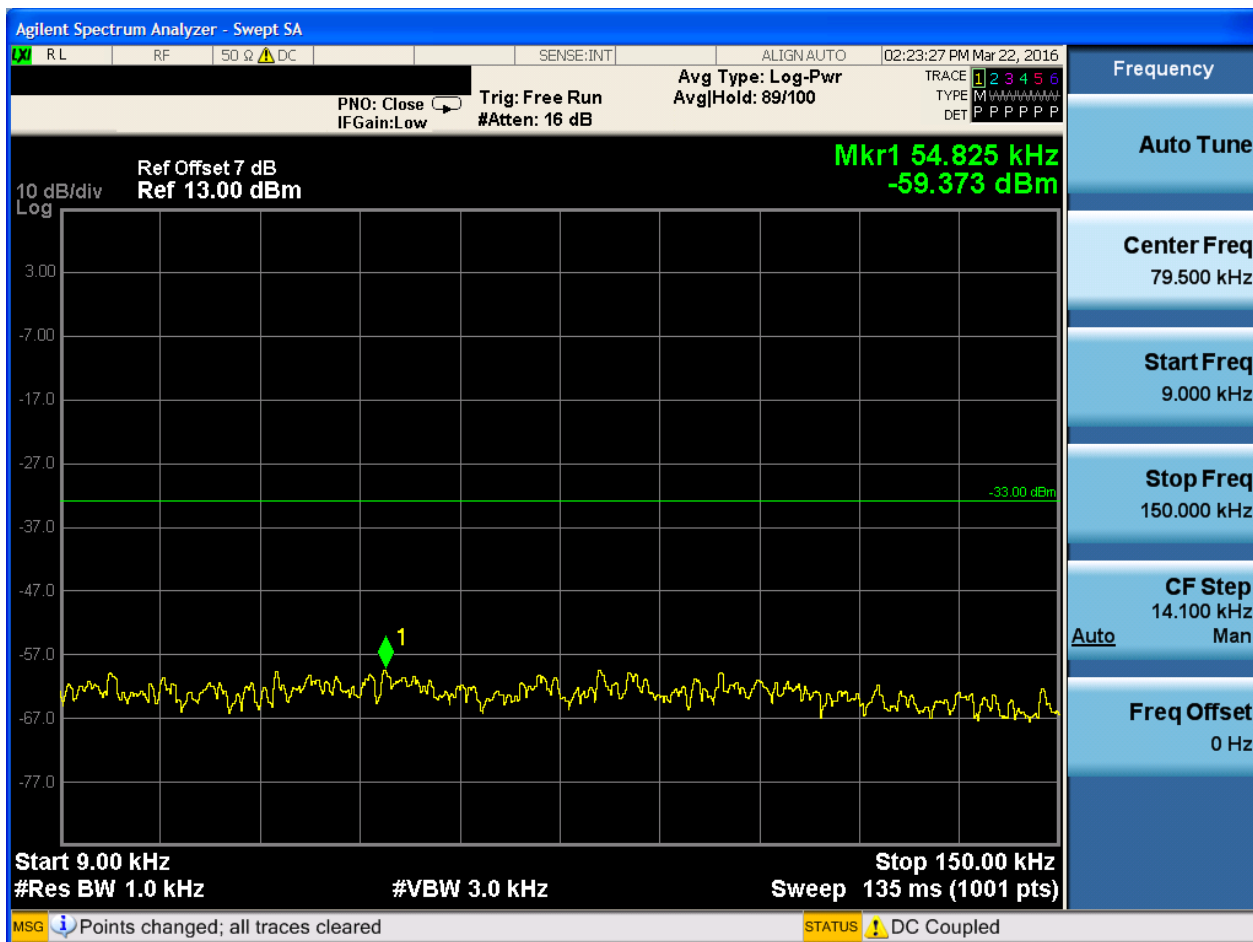




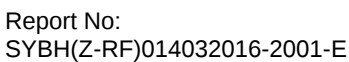


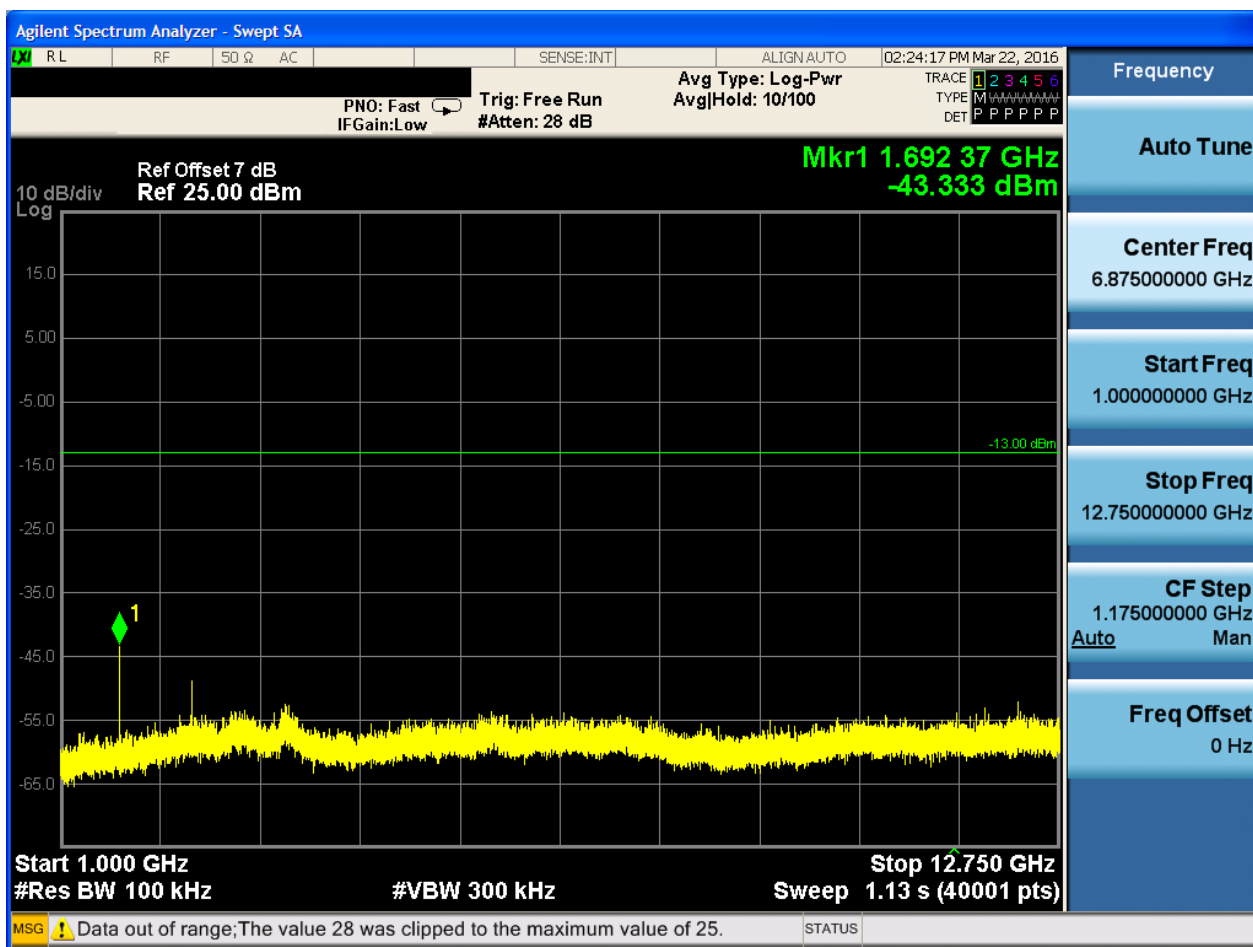
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





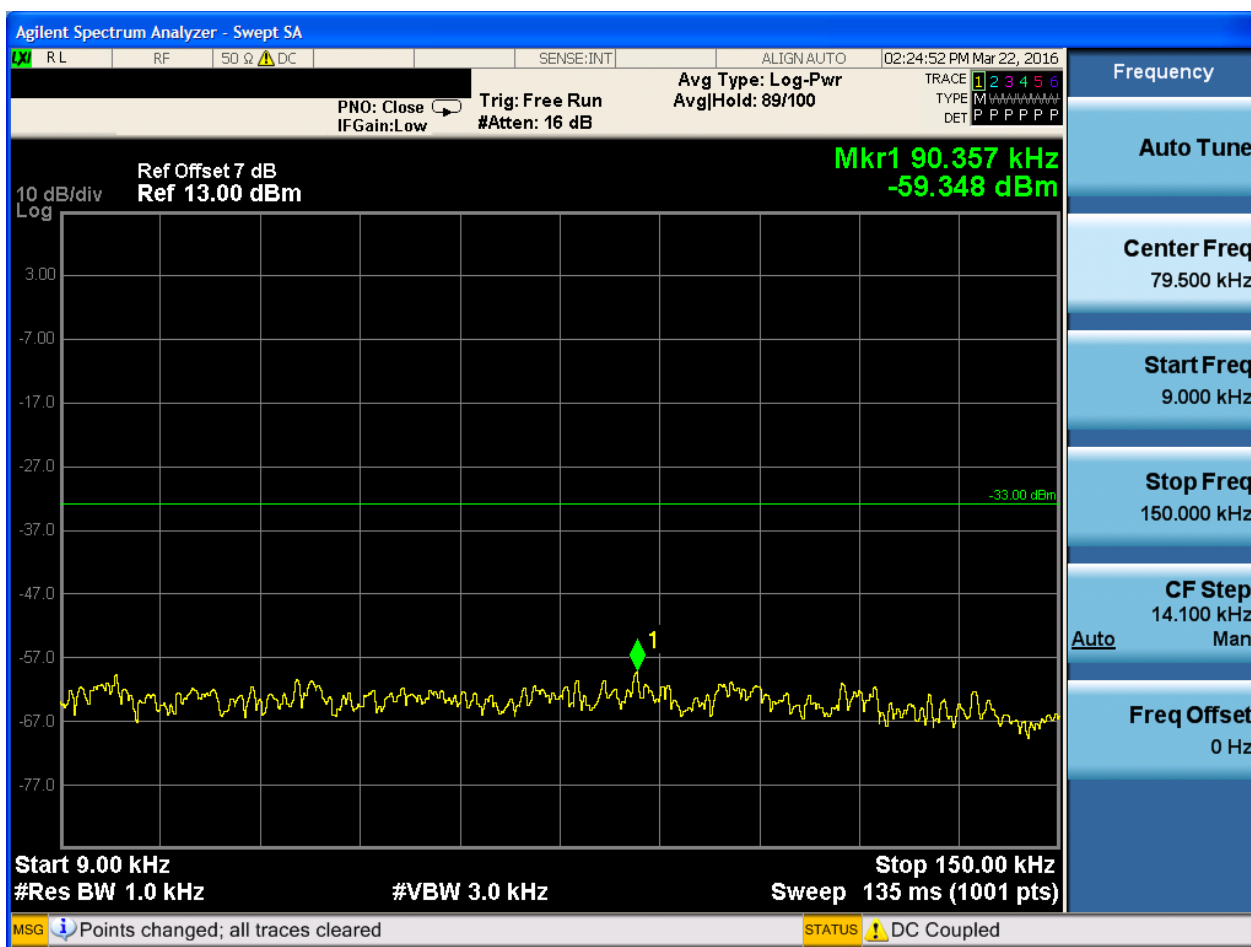




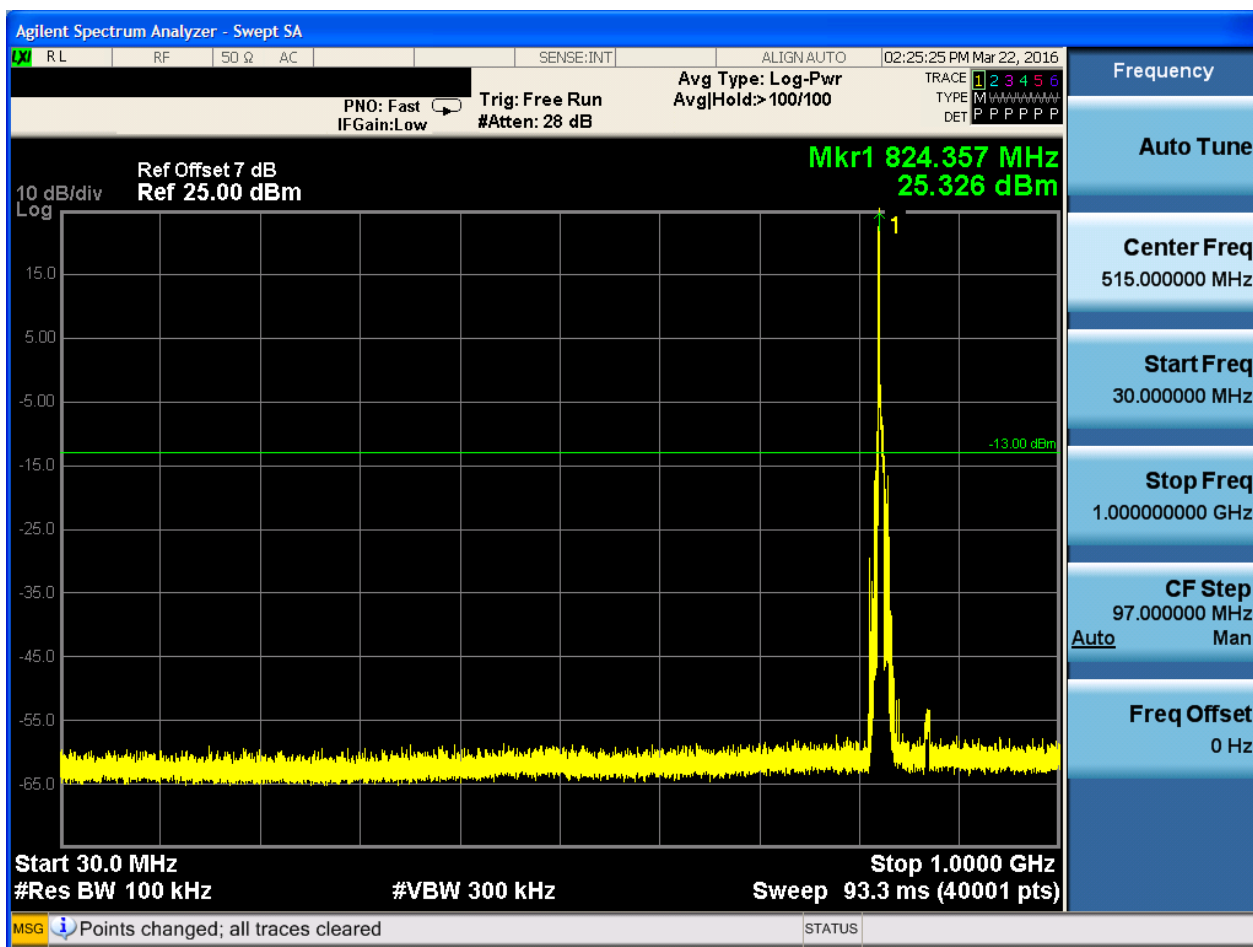
6.1.1.2.3 Test Bandwidth = 5

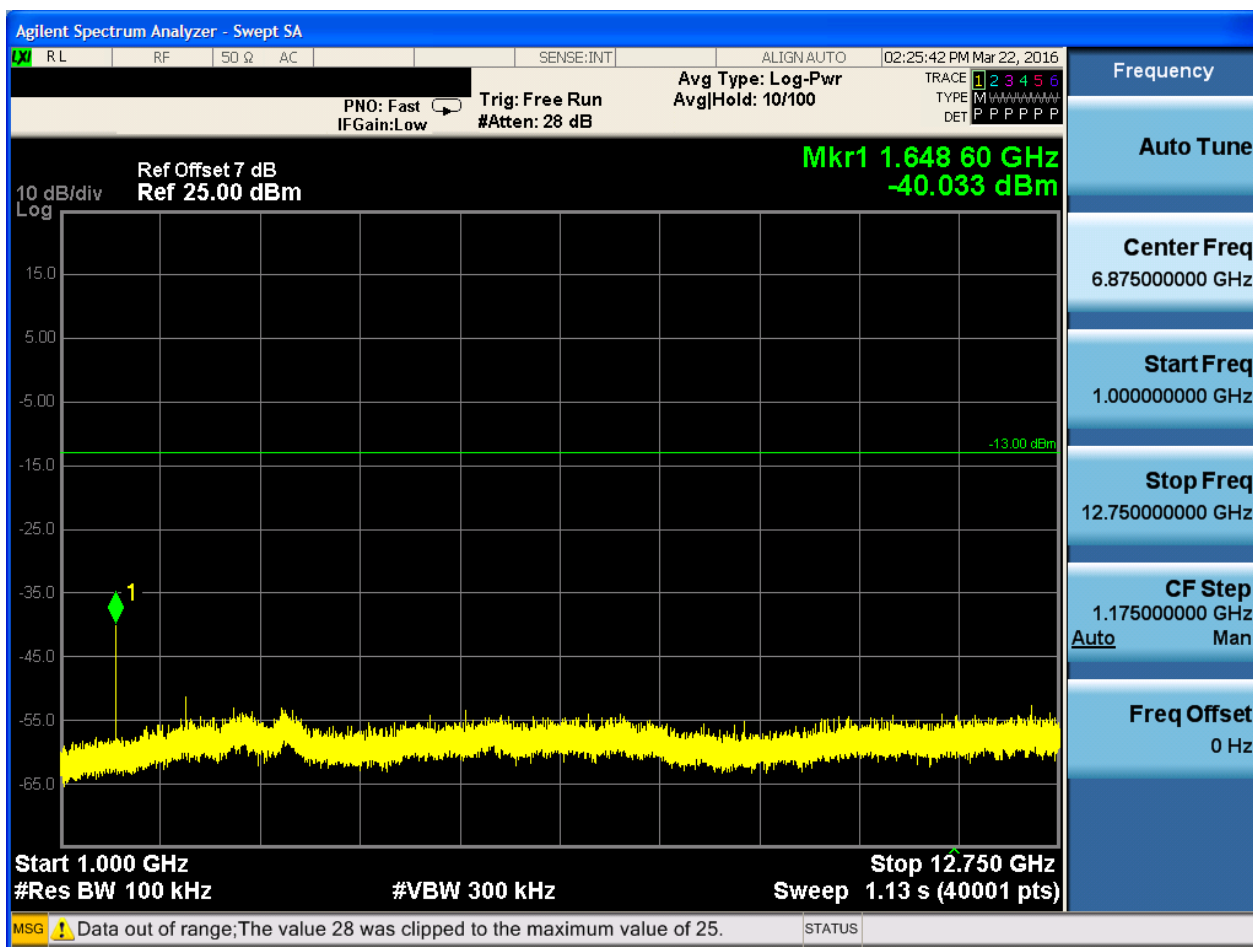
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





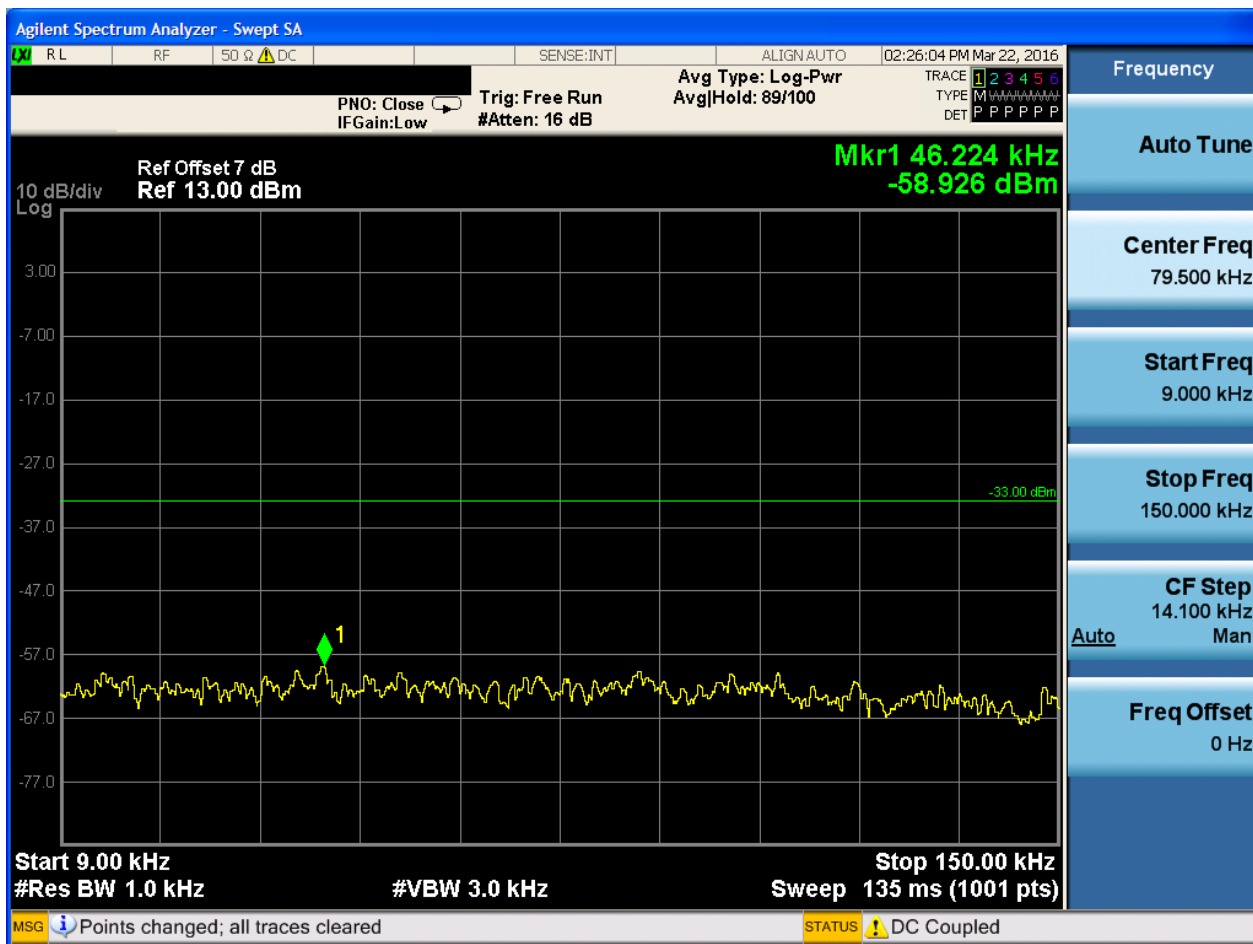




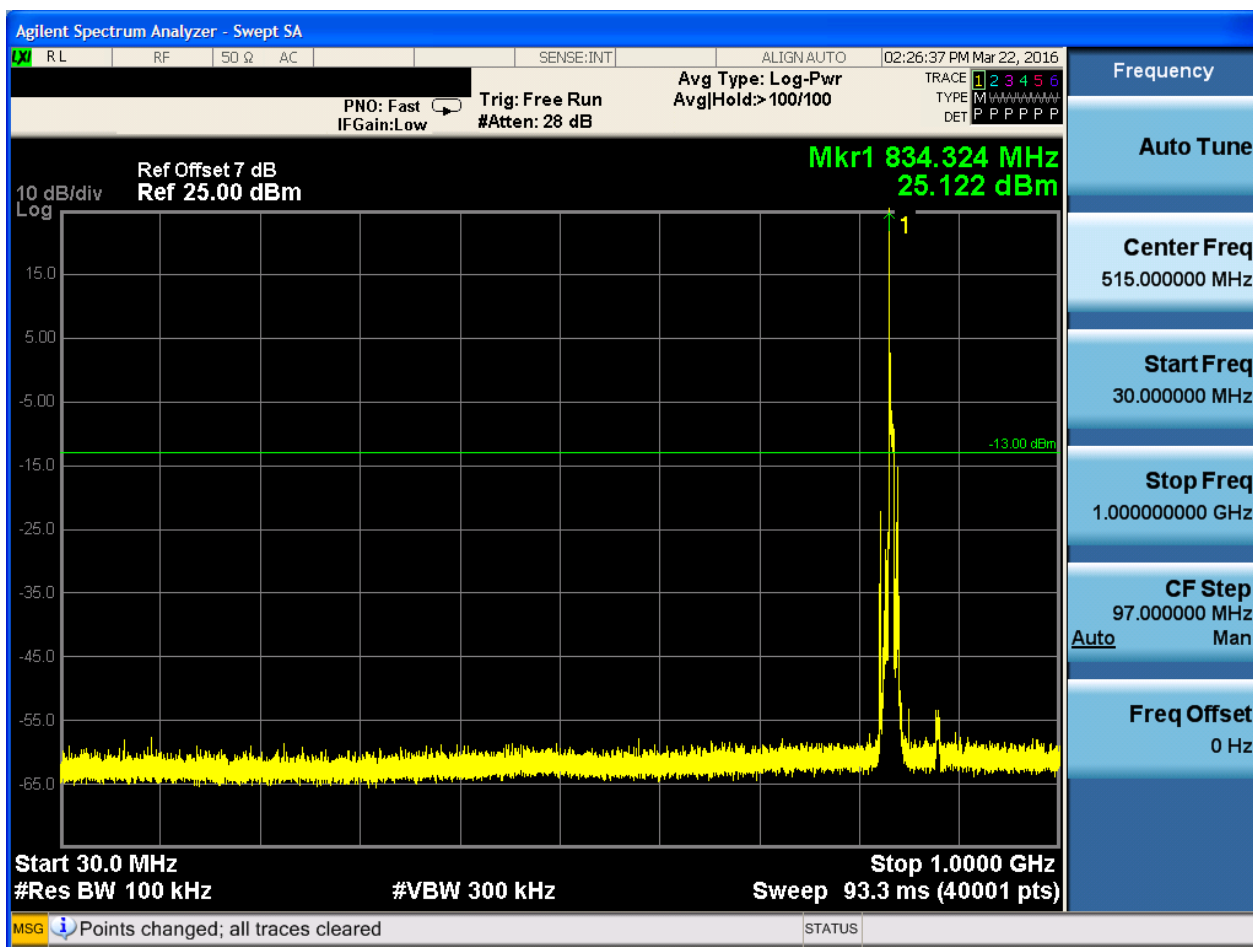


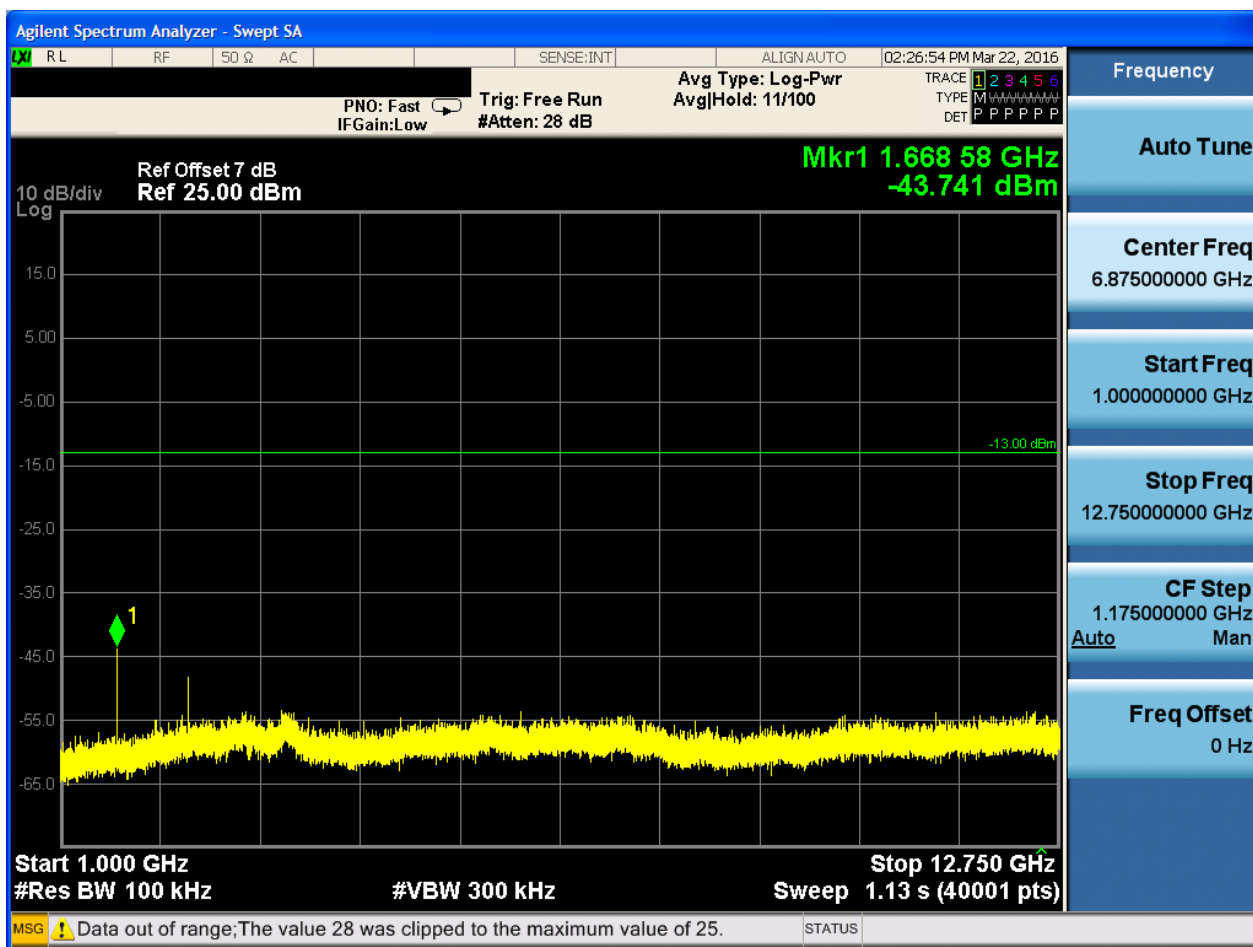
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





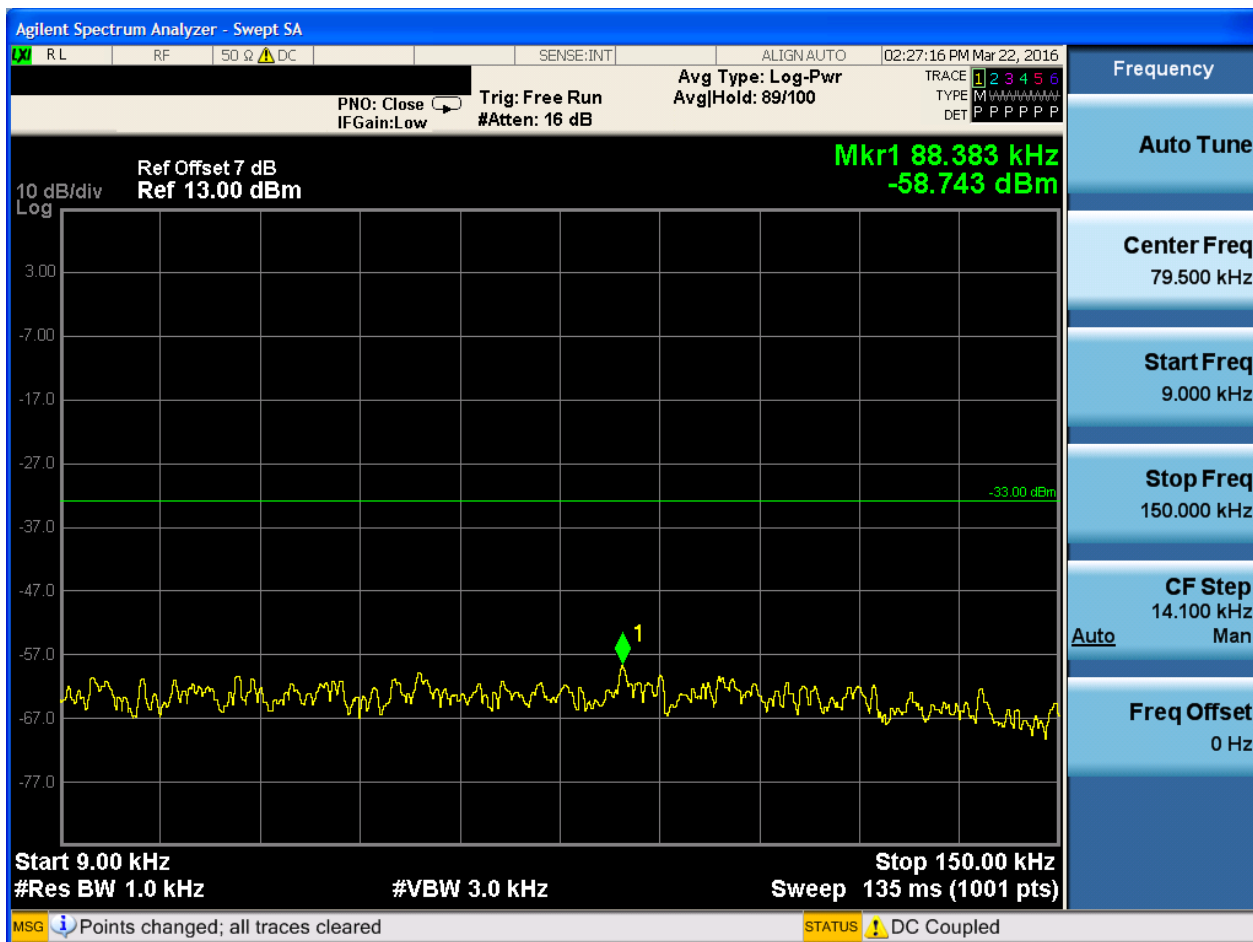




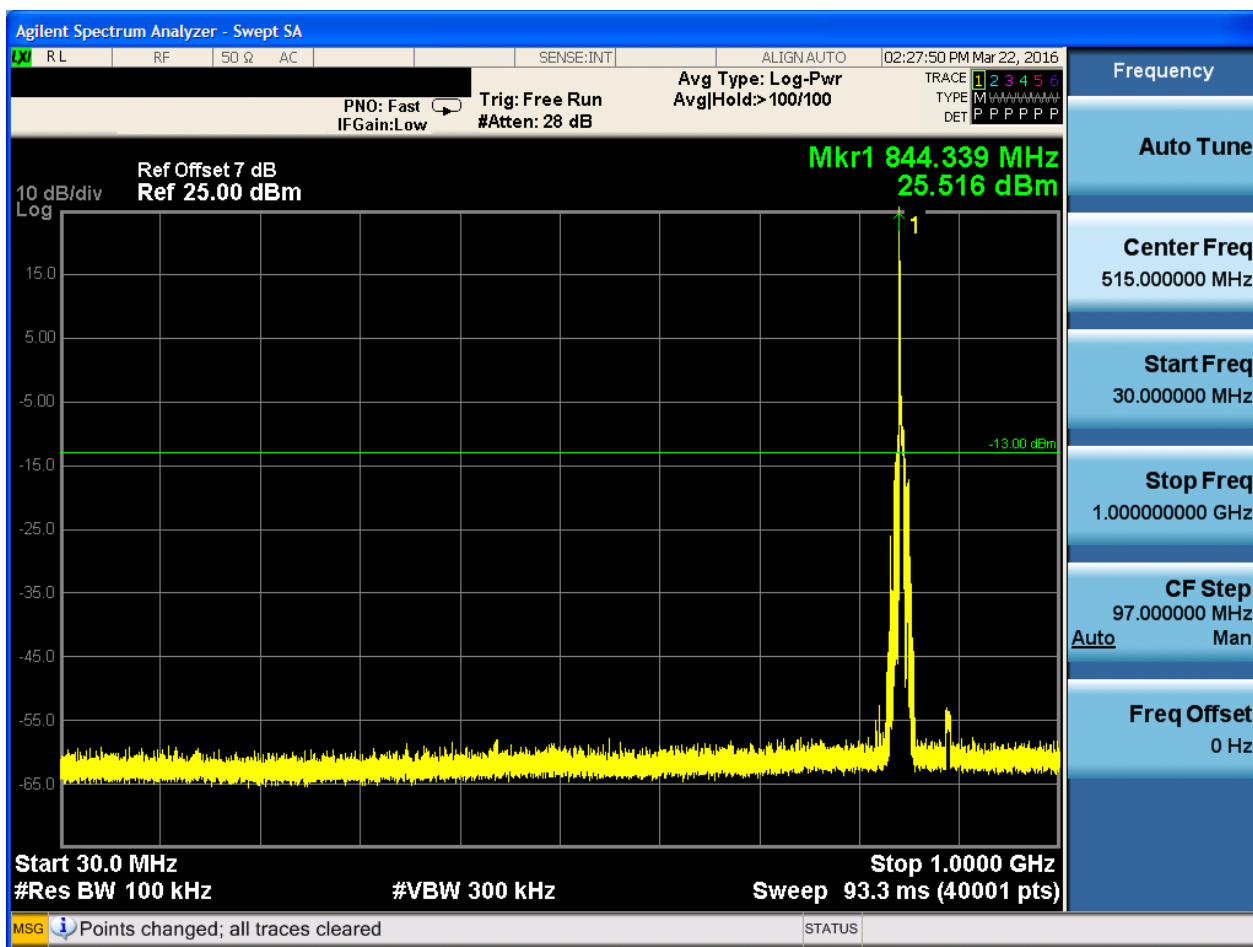


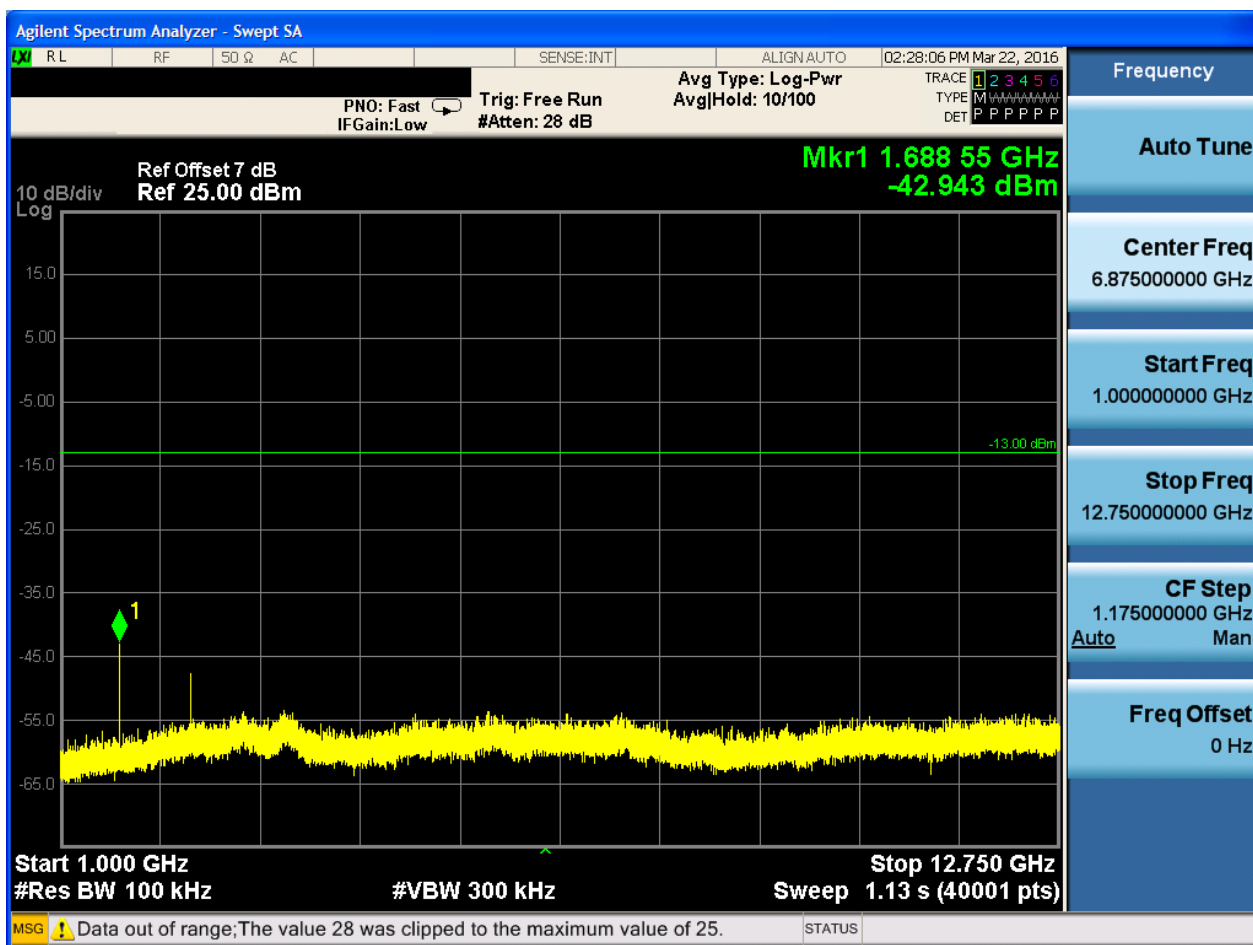
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







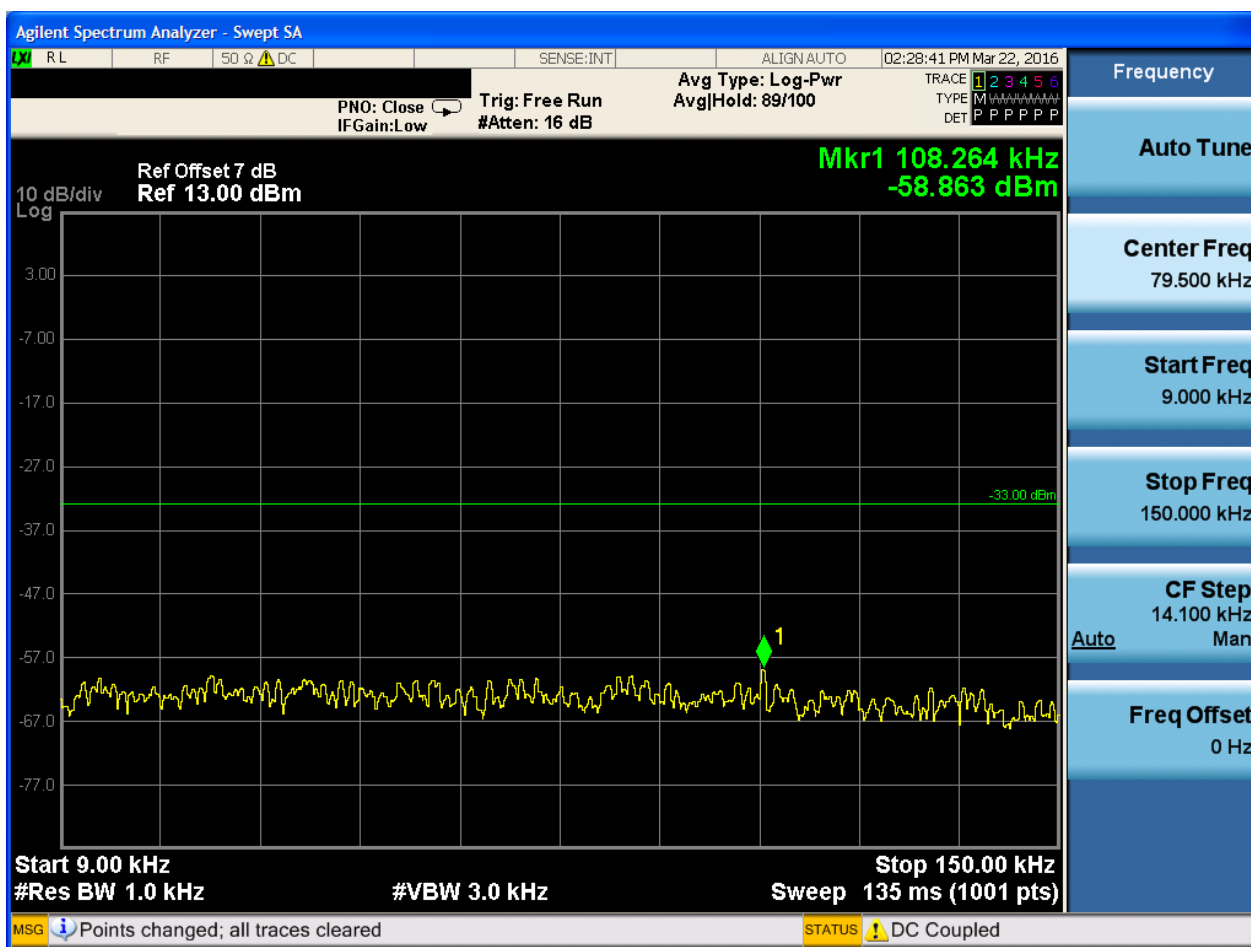




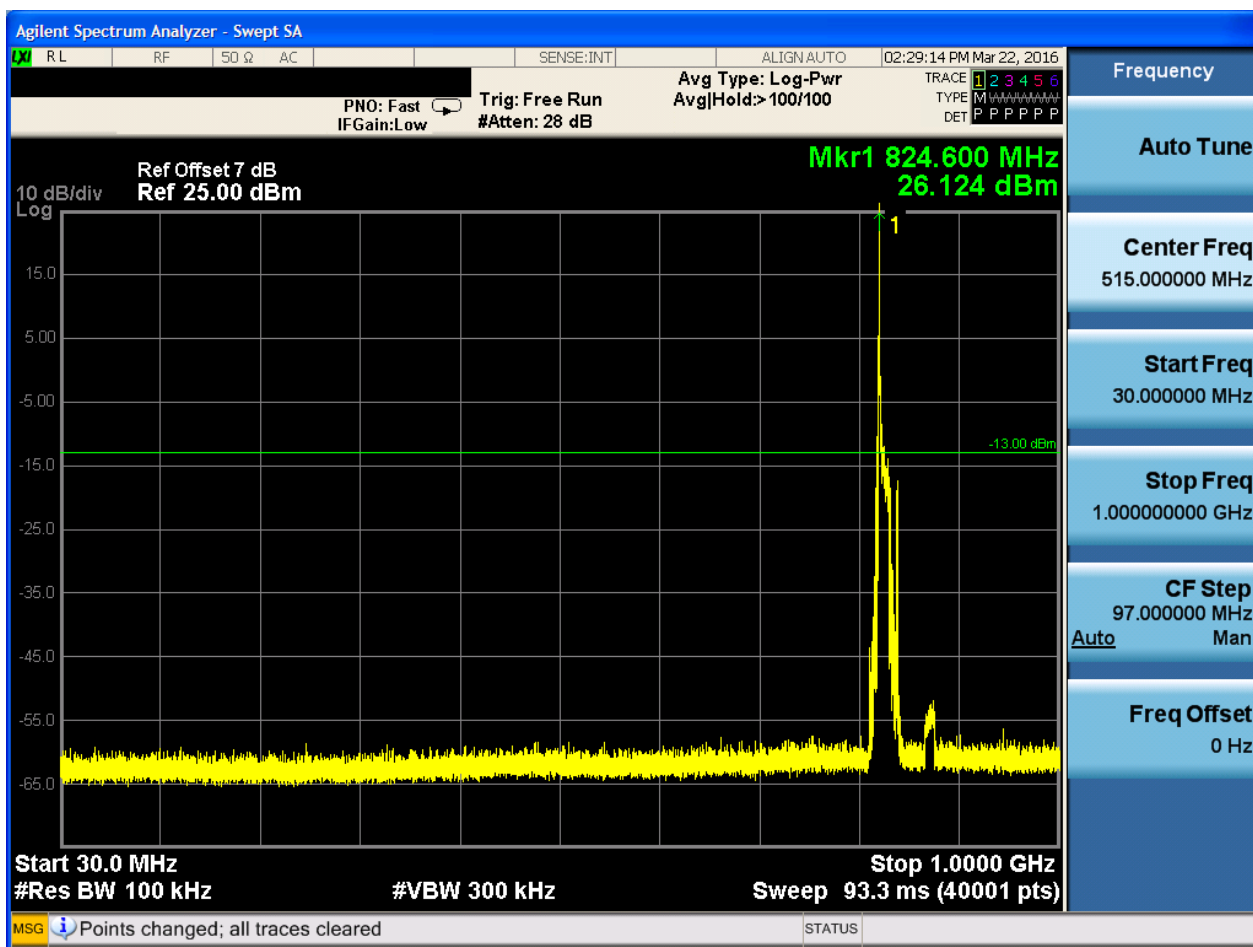
6.1.1.2.4 Test Bandwidth = 10

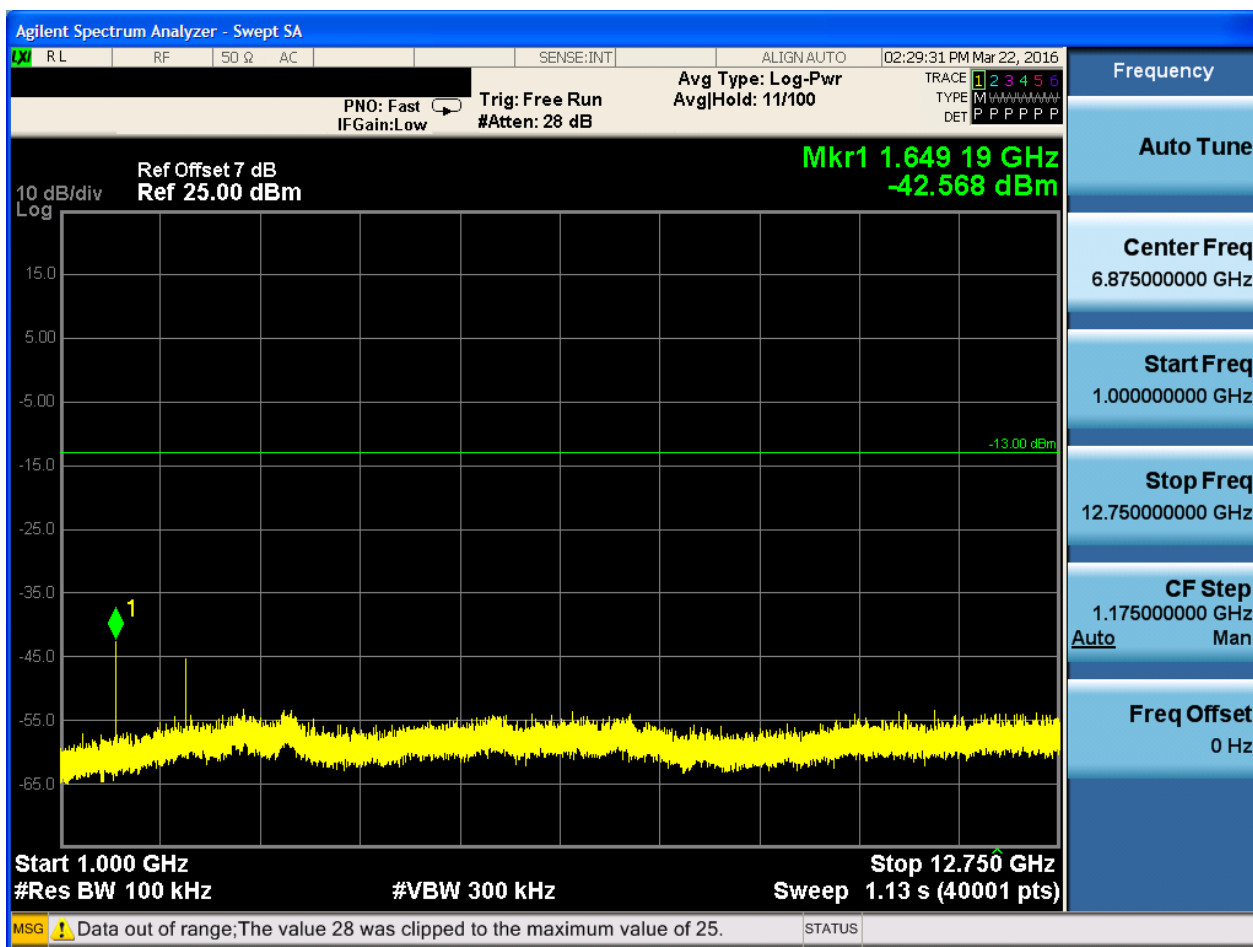
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





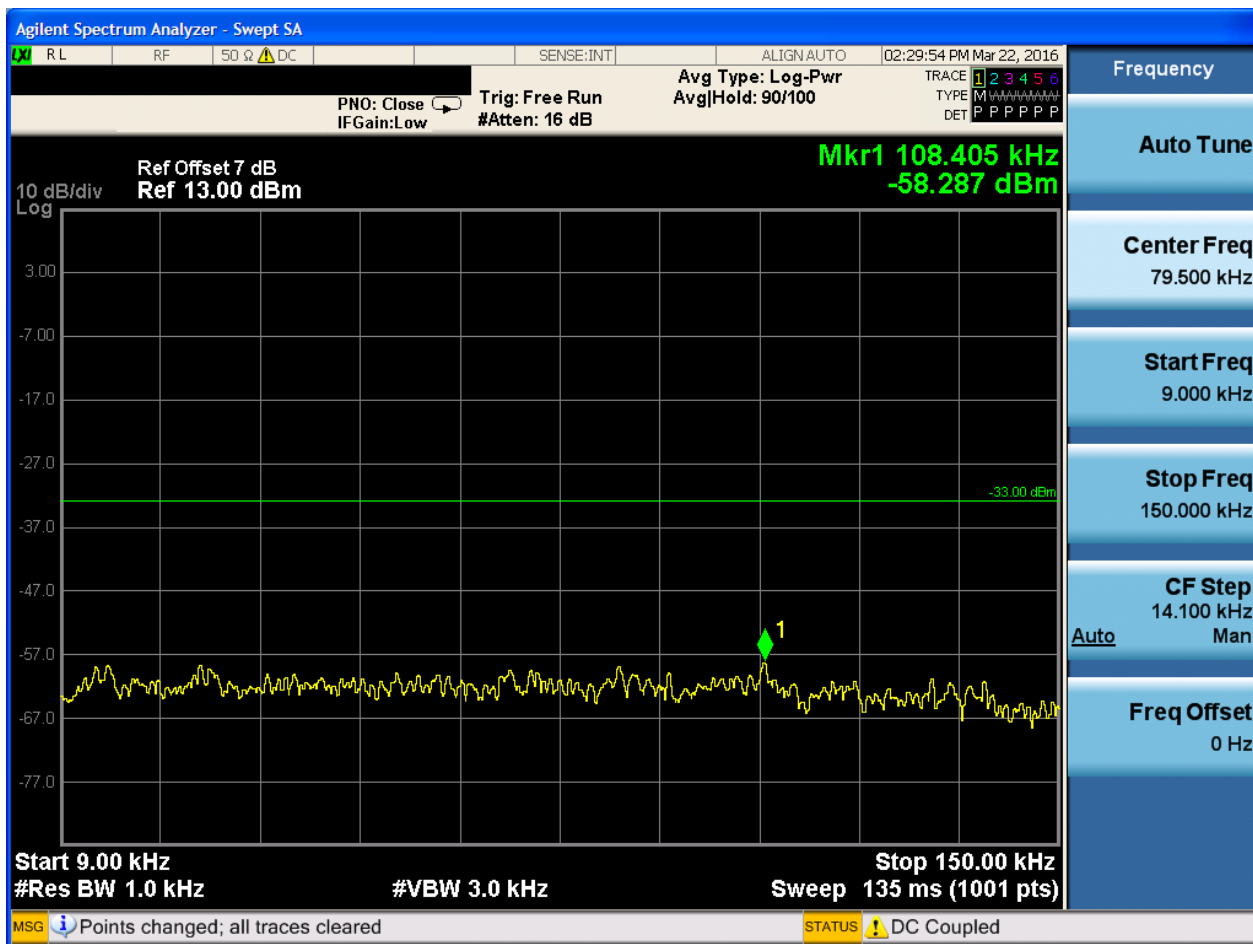




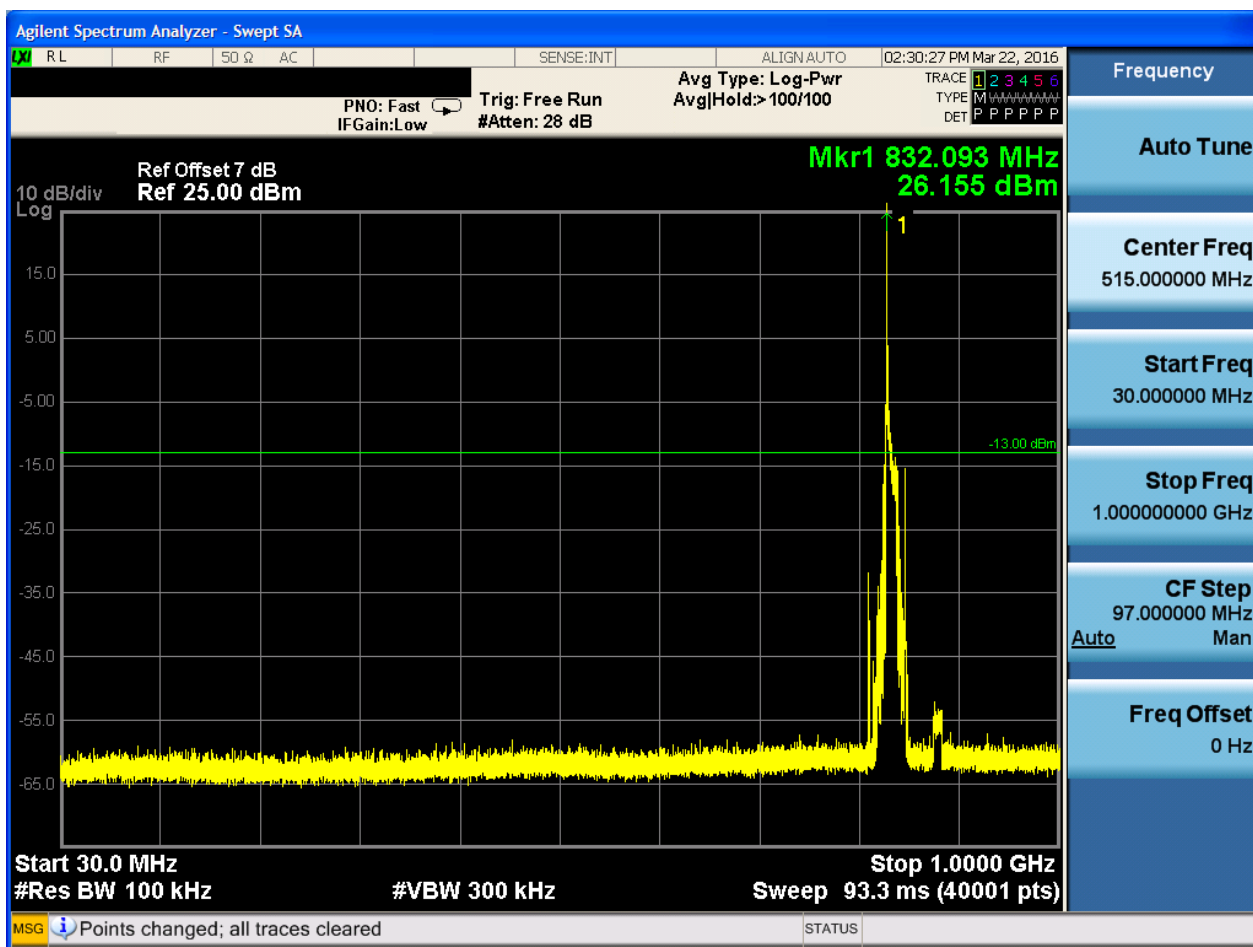


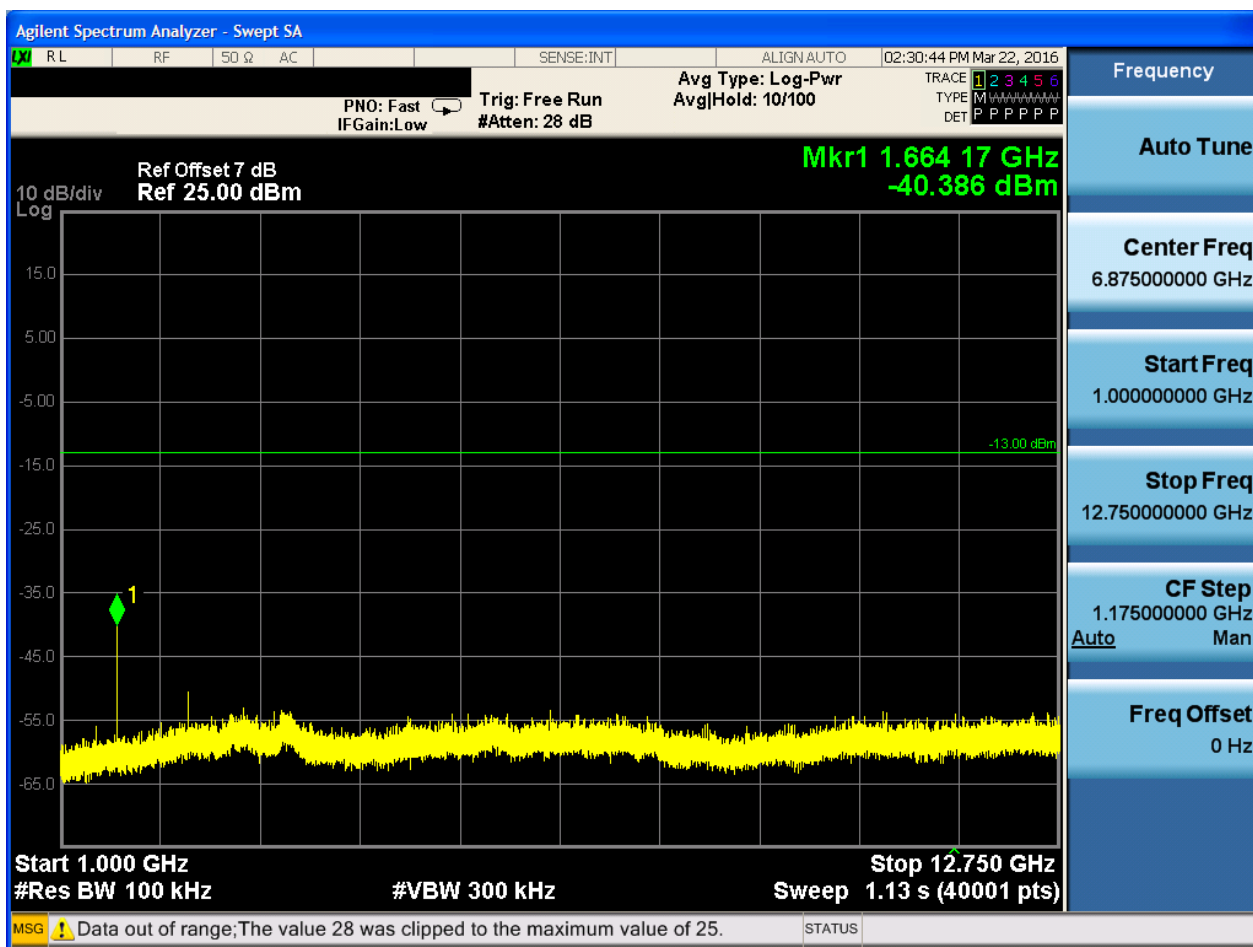
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



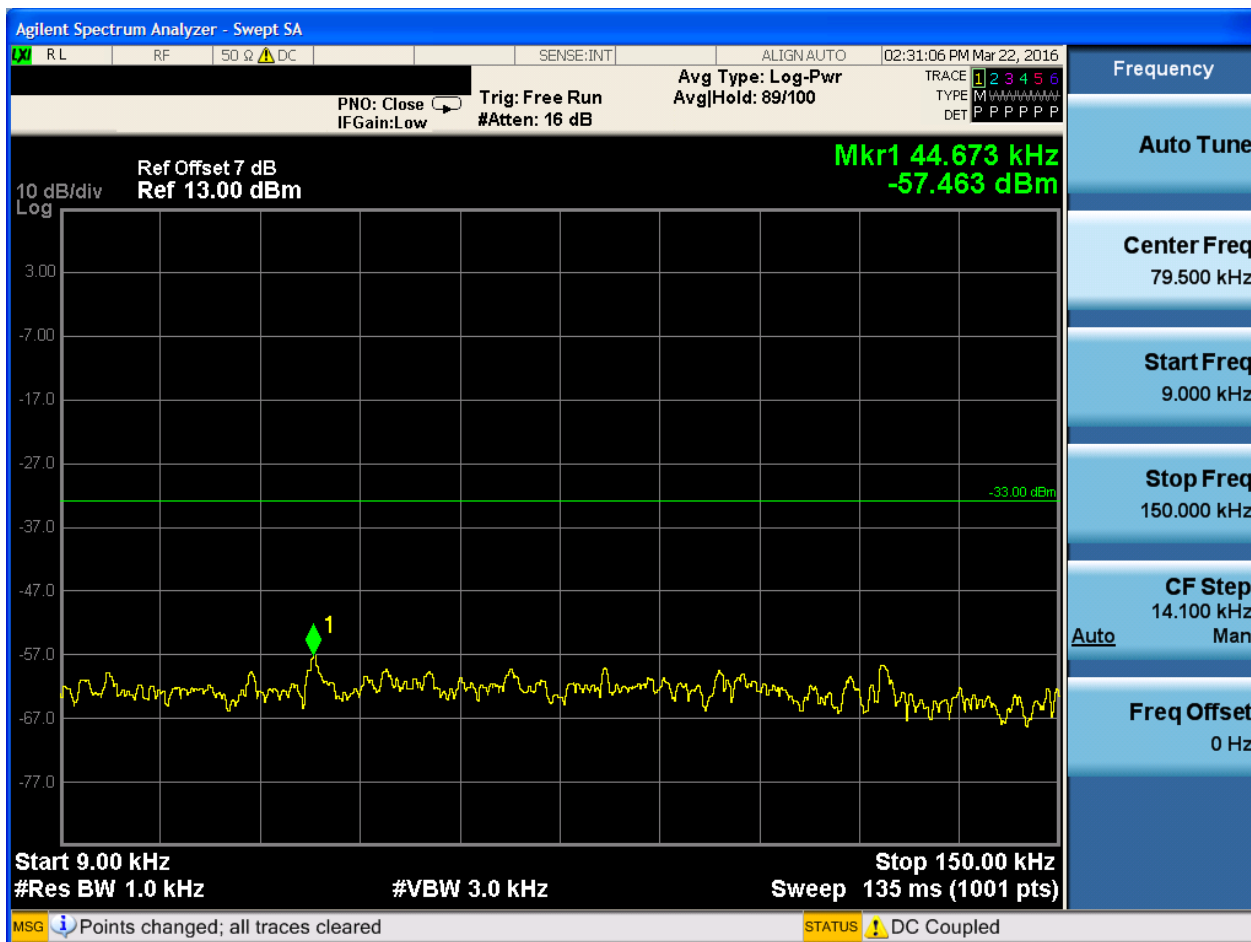




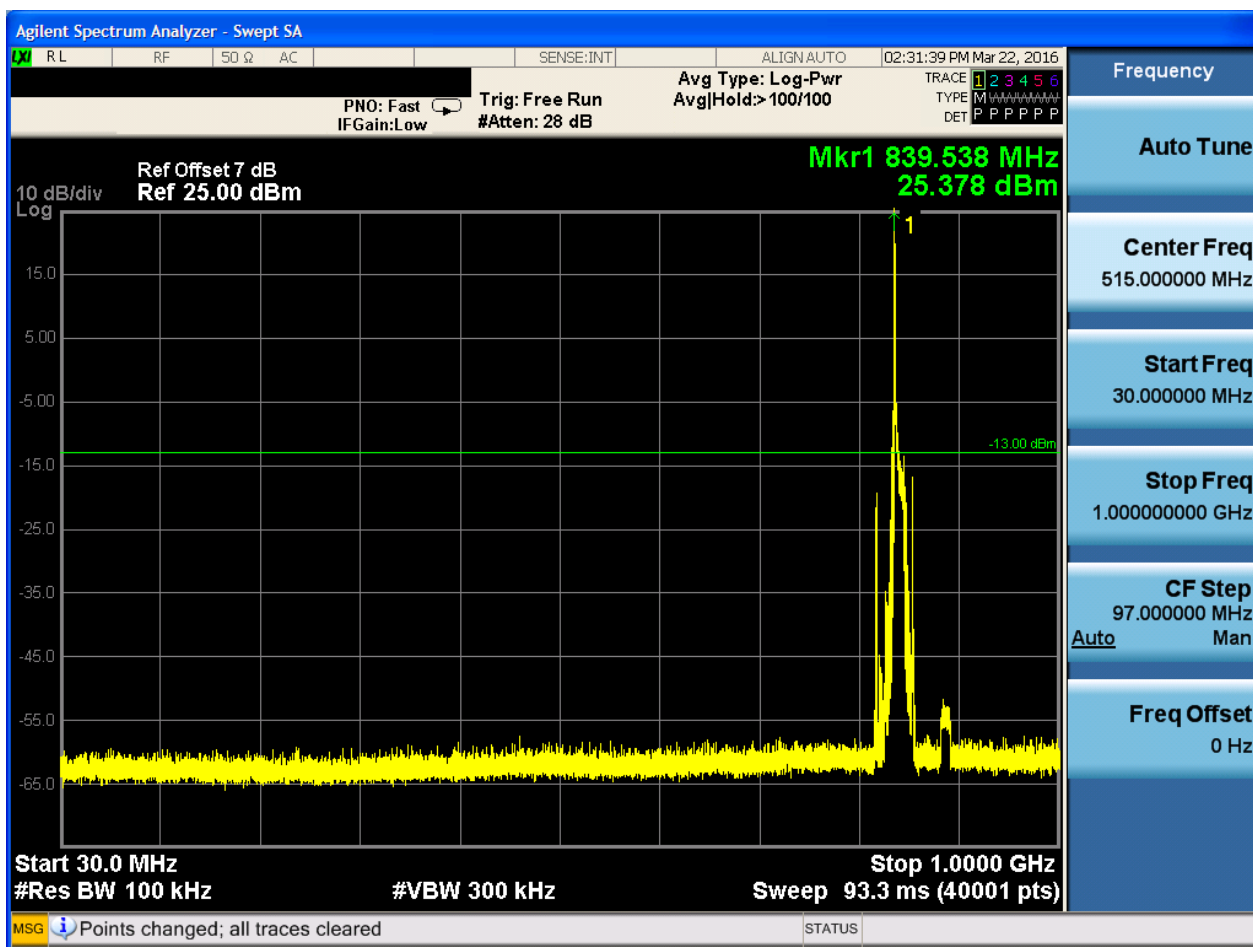


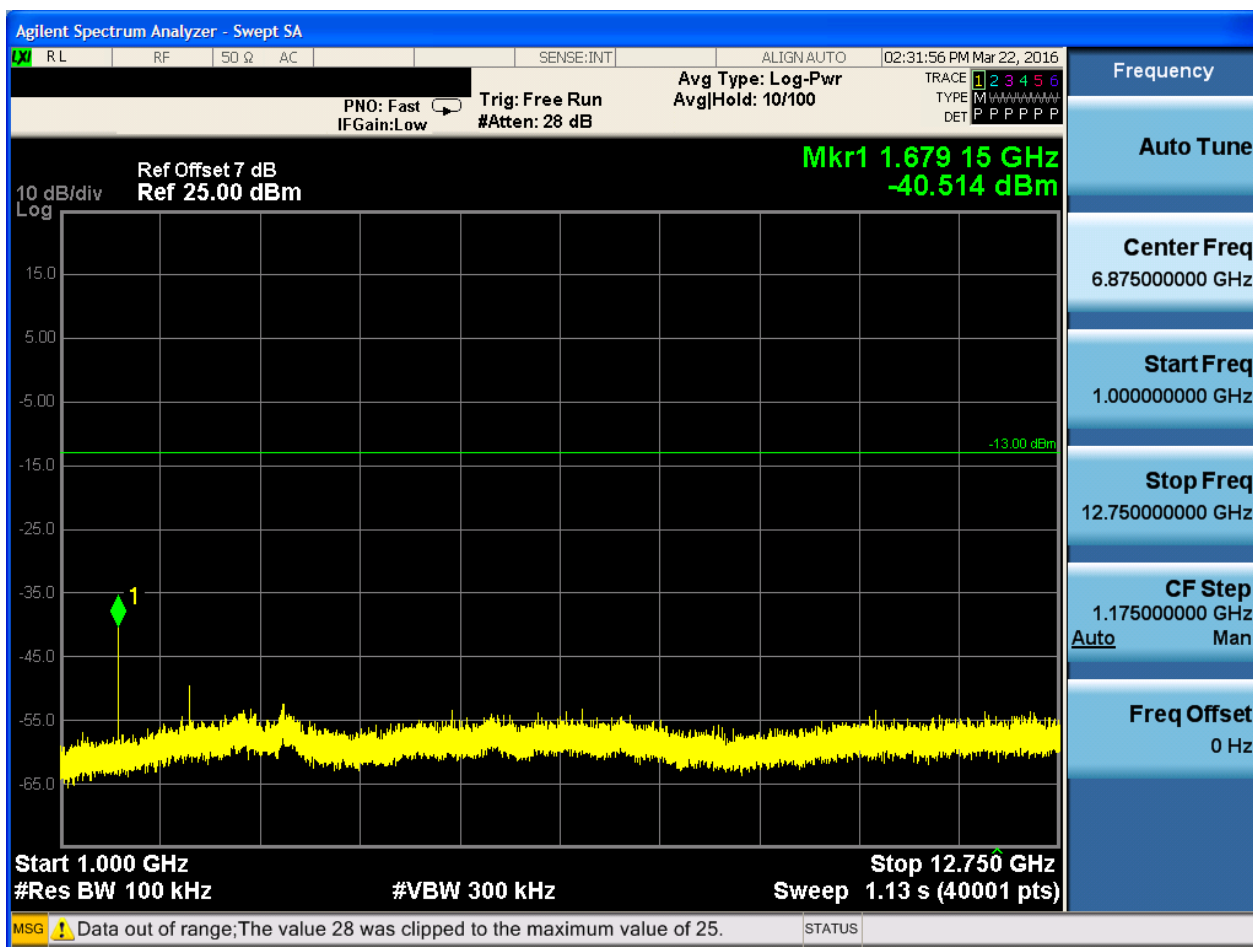
6.1.1.2.4.3 Test Channel = HCH

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, VBW = 200Hz, VBW = 600 Hz, Detector: PK

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

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

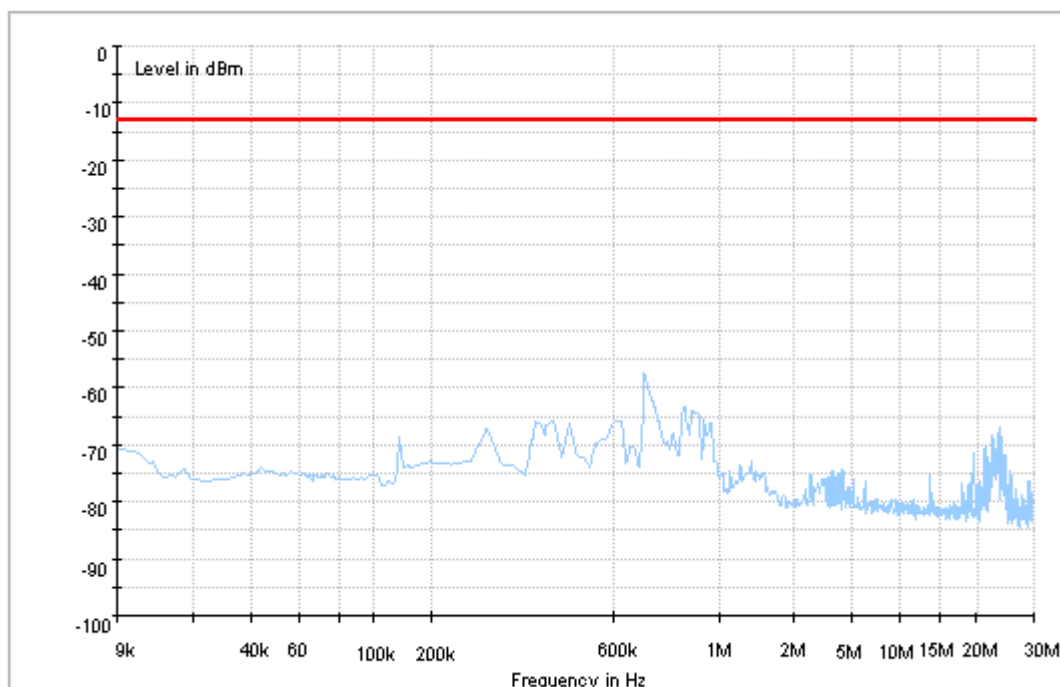
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

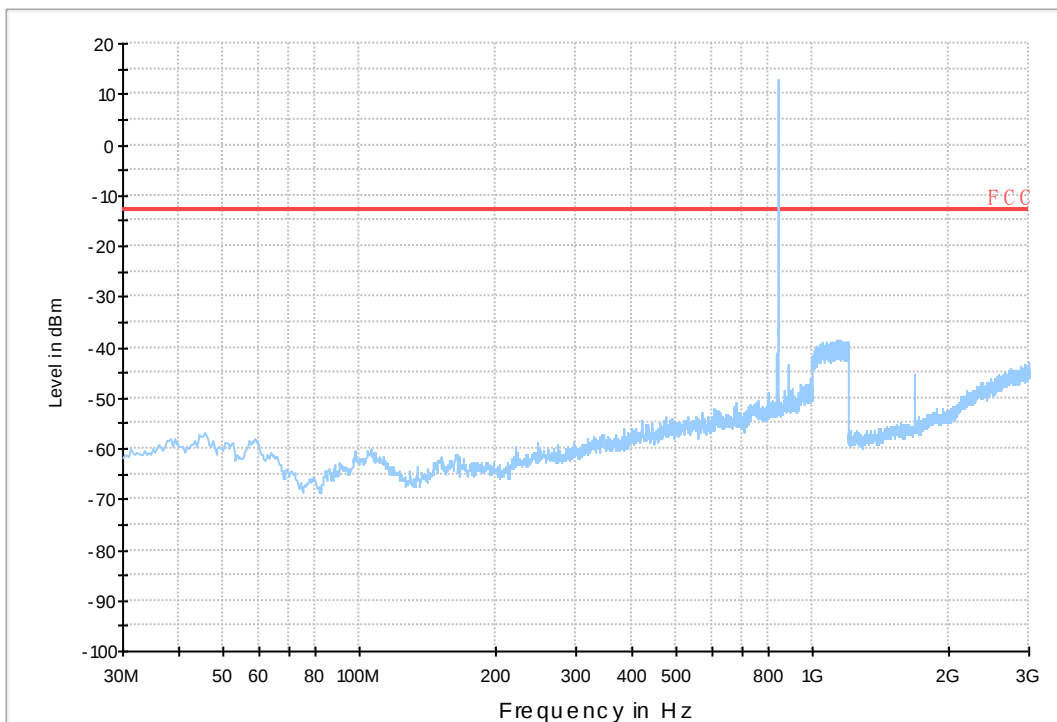
7.1 For LTE

7.1.1 Test Band = BAND5

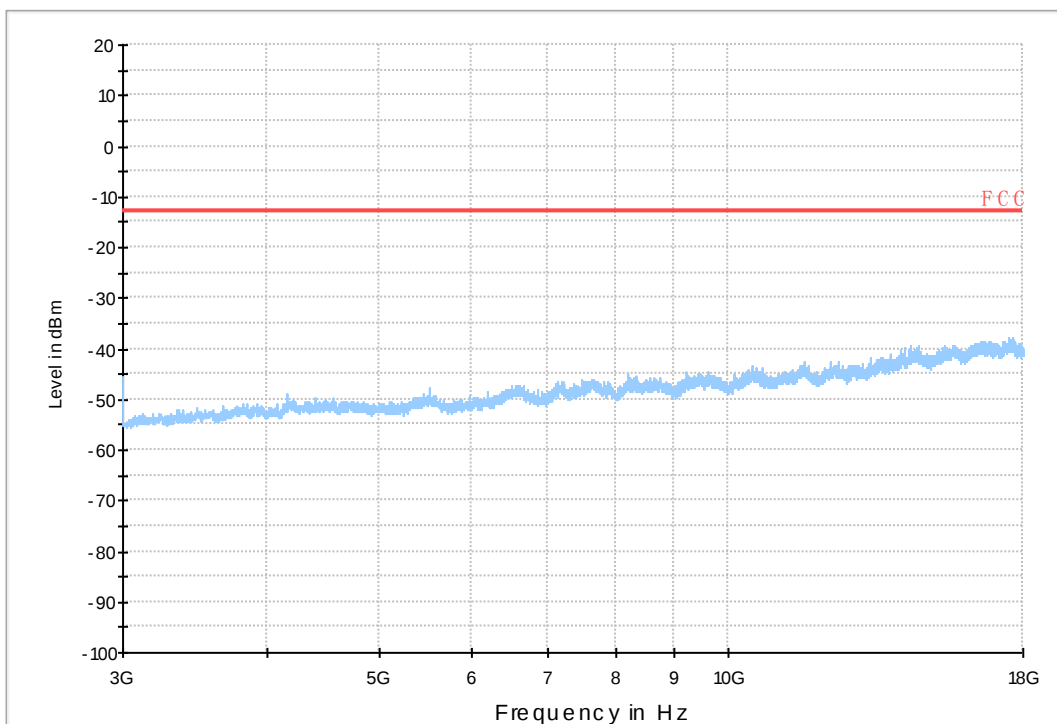
7.1.1.1 Test Bandwidth = 1.4



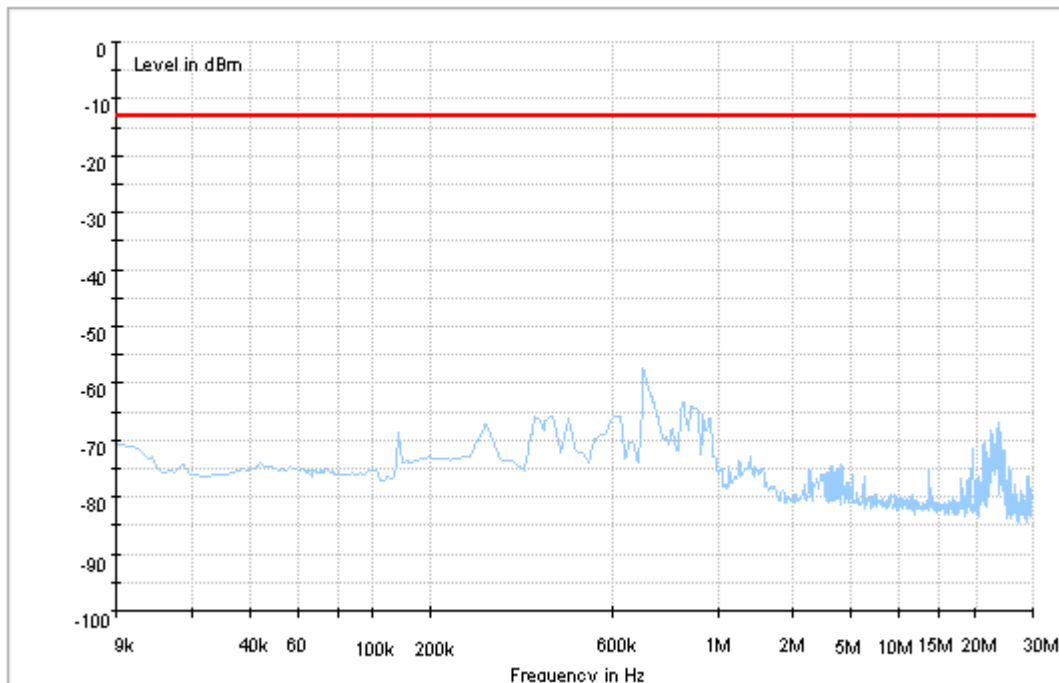
Copy of RSE-TX-DIRECTOR BELOW 1G_L



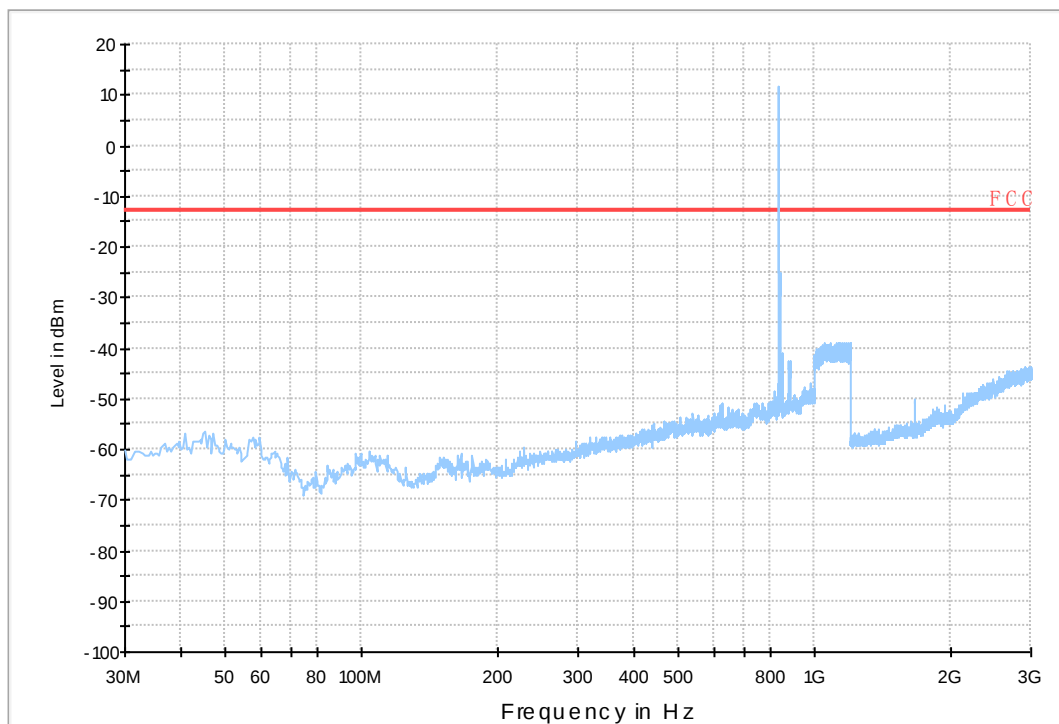
Copy of RSE-TX-DIRECTOR BELOW 1G_H



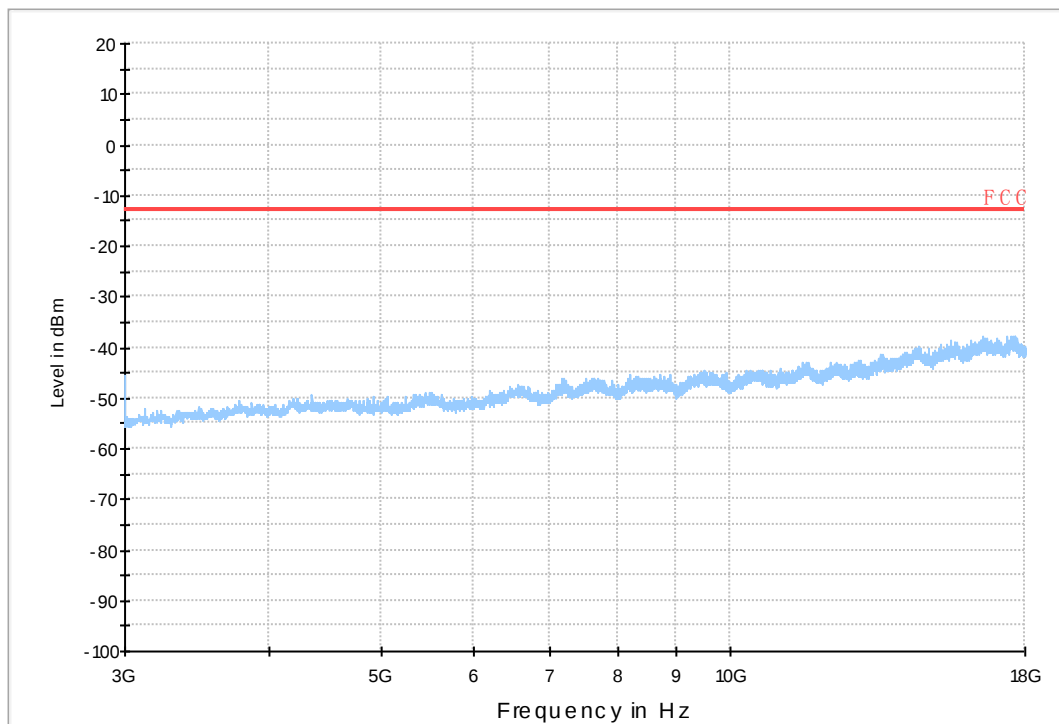
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency 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	10.94	0.01327	PASS
					VN	297.52	0.36076	PASS
					VH	43.70	0.05299	PASS
			MCH	TN	VL	0.14	0.00017	PASS
					VN	-11.07	-0.01323	PASS
					VH	-2.17	-0.00259	PASS
			HCH	TN	VL	10.50	0.01238	PASS
					VN	56.22	0.06627	PASS
					VH	62.14	0.07325	PASS
		3	LCH	TN	VL	-0.37	-0.00045	PASS
					VN	27.49	0.0333	PASS
					VH	1.80	0.00218	PASS
			MCH	TN	VL	-5.24	-0.00626	PASS
					VN	5.29	0.00632	PASS
					VH	-8.87	-0.0106	PASS
			HCH	TN	VL	-8.43	-0.00995	PASS
					VN	8.91	0.01051	PASS
					VH	-10.10	-0.01192	PASS
		5	LCH	TN	VL	-9.67	-0.0117	PASS
					VN	-3.68	-0.00445	PASS
					VH	-5.76	-0.00697	PASS
			MCH	TN	VL	-1.85	-0.00221	PASS
					VN	58.09	0.06944	PASS
					VH	-11.80	-0.01411	PASS
			HCH	TN	VL	6.90	0.00815	PASS
					VN	49.24	0.05817	PASS
					VH	-15.79	-0.01865	PASS
		10	LCH	TN	VL	-7.35	-0.00887	PASS
					VN	44.30	0.05344	PASS
					VH	-2.10	-0.00253	PASS
			MCH	TN	VL	-140.12	-0.16751	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	0.23	0.00027	PASS
					VH	-0.01	-0.00001	PASS
					VL	-1.79	-0.00212	PASS
					VN	-3.50	-0.00415	PASS
					VH	-7.98	-0.00945	PASS
		1.4	LCH	TN	VL	-0.60	-0.00073	PASS
					VN	10.30	0.01249	PASS
					VH	19.74	0.02394	PASS
			MCH	TN	VL	-14.18	-0.01695	PASS
					VN	-9.14	-0.01093	PASS
					VH	2.02	0.00241	PASS
			HCH	TN	VL	1.33	0.00157	PASS
					VN	0.82	0.00097	PASS
					VH	0.13	0.00015	PASS
		3	LCH	TN	VL	1.90	0.0023	PASS
					VN	11.16	0.01352	PASS
					VH	0.86	0.00104	PASS
			MCH	TN	VL	0.44	0.00053	PASS
					VN	-0.26	-0.00031	PASS
					VH	-0.34	-0.00041	PASS
			HCH	TN	VL	-15.42	-0.01819	PASS
					VN	-3.26	-0.00385	PASS
					VH	-5.02	-0.00592	PASS
	LTE/TM2	5	LCH	TN	VL	-6.91	-0.00836	PASS
					VN	0.54	0.0007	PASS
					VH	2.12	0.00261	PASS
			MCH	TN	VL	1.14	0.00141	PASS
					VN	-5.61	-0.00666	PASS
					VH	9.64	0.01157	PASS
			HCH	TN	VL	-0.03	0.00001	PASS
					VN	3	0.00359	PASS
					VH	-2.88	-0.00336	PASS
		10	LCH	TN	VL	-24.05	-0.02896	PASS
					VN	-9	-0.01081	PASS
					VH	-10.03	-0.01205	PASS
			MCH	TN	VL	7.55	0.00907	PASS
					VN	34.33	0.04109	PASS
					VH	-17.31	-0.02065	PASS
			HCH	TN	VL	0.9	0.00111	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-2.66	-0.00311	PASS
					VH	-0.26	-0.00026	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	4.25	0.0053	PASS
					-20	5.07	0.00629	PASS
					-10	0.56	0.00082	PASS
					0	-12.05	-0.01447	PASS
					10	9.46	0.01162	PASS
					20	5.21	0.00646	PASS
					30	-15.57	-0.01873	PASS
					40	-12.25	-0.01471	PASS
					50	-6.22	-0.0074	PASS
			MCH	VN	-30	-1.88	-0.00211	PASS
					-20	-2.8	-0.00321	PASS
					-10	-5.97	-0.007	PASS
					0	-0.07	0.00006	PASS
					10	1.46	0.00189	PASS
					20	7.17	0.00871	PASS
					30	-3.47	-0.00401	PASS
					40	2.55	0.00319	PASS
					50	11.02	0.01331	PASS
			HCH	VN	-30	13.82	0.01643	PASS
					-20	15.55	0.01847	PASS
					-10	-6.86	-0.00795	PASS
					0	-10.81	-0.01261	PASS
					10	-10.67	-0.01244	PASS
					20	-7.03	-0.00815	PASS
					30	-7.25	-0.00841	PASS
					40	-9.11	-0.0106	PASS
					50	0.69	0.00095	PASS
		3	LCH	VN	-30	-3.57	-0.00418	PASS
					-20	-4.57	-0.00539	PASS
					-10	19.83	0.02417	PASS
					0	9.22	0.01131	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	1.94	0.0025	PASS
					20	-9.91	-0.01186	PASS
					30	7.63	0.00939	PASS
					40	-2.81	-0.00326	PASS
					50	-1.94	-0.0022	PASS
			MCH	VN	-30	-6.6	-0.00775	PASS
					-20	-1.75	-0.00195	PASS
					-10	-2.44	-0.00278	PASS
					0	3.37	0.00417	PASS
					10	-3.89	-0.00451	PASS
					20	9.88	0.01195	PASS
					30	-3.93	-0.00456	PASS
					40	-11.28	-0.01334	PASS
					50	-9.05	-0.01068	PASS
			HCH	VN	-30	3.87	0.0047	PASS
					-20	-0.04	0.00009	PASS
					-10	-8.29	-0.00965	PASS
					0	-0.78	-0.00078	PASS
					10	-9.15	-0.01066	PASS
					20	-1.15	-0.00122	PASS
					30	-2.9	-0.00329	PASS
					40	-1.67	-0.00183	PASS
					50	9.95	0.01188	PASS
		5	LCH	VN	-30	-1.27	-0.00139	PASS
					-20	2.44	0.0031	PASS
					-10	-2.31	-0.00265	PASS
					0	3.35	0.0042	PASS
					10	-8.52	-0.01016	PASS
					20	1.95	0.0025	PASS
					30	-2.64	-0.00305	PASS
					40	-7.71	-0.00918	PASS
					50	3.75	0.00468	PASS
			MCH	VN	-30	-5.13	-0.00599	PASS
					-20	3.41	0.00422	PASS
					-10	-6.99	-0.00822	PASS
					0	7.29	0.00886	PASS
					10	-7.31	-0.0086	PASS
					20	-0.65	-0.00064	PASS
					30	-3.94	-0.00457	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-4.63	-0.00539	PASS
					50	-1.24	-0.00134	PASS
			HCH	VN	-30	0.28	0.00047	PASS
					-20	2.61	0.00322	PASS
					-10	-11.04	-0.01291	PASS
					0	16.31	0.0194	PASS
					10	9.65	0.01154	PASS
					20	0.41	0.00062	PASS
					30	1.41	0.0018	PASS
					40	4.67	0.00565	PASS
					50	-0.55	-0.00051	PASS
		10	LCH	VN	-30	2.68	0.00338	PASS
					-20	-1.67	-0.00187	PASS
					-10	-1	-0.00106	PASS
					0	-3.94	-0.00461	PASS
					10	0.41	0.00064	PASS
					20	-14.77	-0.01767	PASS
					30	-13.31	-0.01591	PASS
					40	-6.66	-0.00789	PASS
					50	-4.9	-0.00577	PASS
			MCH	VN	-30	-0.78	-0.00079	PASS
					-20	117.62	0.14075	PASS
					-10	124.95	0.14951	PASS
					0	101.41	0.12137	PASS
					10	224.75	0.26882	PASS
					20	61.95	0.0742	PASS
					30	158.08	0.18912	PASS
					40	175.86	0.21037	PASS
					50	60.97	0.07303	PASS
			HCH	VN	-30	-1.07	-0.00113	PASS
					-20	-1.3	-0.0014	PASS
					-10	-1.48	-0.00162	PASS
					0	-0.6	-0.00057	PASS
					10	-0.25	-0.00016	PASS
					20	-0.78	-0.00079	PASS
					30	0.73	0.001	PASS
					40	-6.12	-0.00711	PASS
					50	2.09	0.00261	PASS
	LTE/TM2	1.4	LCH	VN	-30	-6.72	-0.008	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	2.59	0.00329	PASS
					-10	14.7	0.01797	PASS
					0	11.71	0.01434	PASS
					10	-5.6	-0.00664	PASS
					20	-9.49	-0.01136	PASS
					30	-1.38	-0.00153	PASS
					40	12.06	0.01477	PASS
					50	19.77	0.02412	PASS
			MCH	VN	-30	-12.1	-0.01432	PASS
					-20	-13.47	-0.01596	PASS
					-10	-7.98	-0.0094	PASS
					0	3.52	0.00435	PASS
					10	-7.98	-0.0094	PASS
					20	-4.74	-0.00553	PASS
					30	5.14	0.00629	PASS
					40	4.5	0.00552	PASS
					50	-0.82	-0.00084	PASS
			HCH	VN	-30	7.34	0.00879	PASS
					-20	-8.72	-0.01014	PASS
					-10	-16.05	-0.01878	PASS
					0	1.79	0.00225	PASS
					10	1.78	0.00223	PASS
					20	8.57	0.01024	PASS
					30	-2.46	-0.00276	PASS
					40	7.49	0.00896	PASS
					50	-7.18	-0.00833	PASS
		3	LCH	VN	-30	14.15	0.01729	PASS
					-20	-13.81	-0.01658	PASS
					-10	25.91	0.03153	PASS
					0	8.52	0.01047	PASS
					10	3.27	0.00411	PASS
					20	-3.46	-0.00405	PASS
					30	45.29	0.05501	PASS
					40	-7.35	-0.00876	PASS
					50	-1.57	-0.00176	PASS
			MCH	VN	-30	8.13	0.00986	PASS
					-20	1.11	0.00147	PASS
					-10	1.06	0.00141	PASS
					0	-2.84	-0.00325	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	5.9	0.00719	PASS
					20	-6.58	-0.00773	PASS
					30	4.4	0.0054	PASS
					40	6.51	0.00792	PASS
					50	-9.71	-0.01147	PASS
			HCH	VN	-30	-1.11	-0.00117	PASS
					-20	-4.16	-0.00477	PASS
					-10	-0.71	-0.0007	PASS
					0	-0.34	-0.00027	PASS
					10	0.39	0.0006	PASS
					20	-5.02	-0.00579	PASS
					30	-1.5	-0.00163	PASS
					40	-0.77	-0.00077	PASS
					50	-2.27	-0.00254	PASS
		5	LCH	VN	-30	11.84	0.01447	PASS
					-20	5.08	0.00629	PASS
					-10	7.73	0.0095	PASS
					0	3.11	0.00391	PASS
					10	-0.47	-0.00042	PASS
					20	2.58	0.00327	PASS
					30	0.69	0.00098	PASS
					40	0.48	0.00073	PASS
					50	2.64	0.00334	PASS
			MCH	VN	-30	-3.3	-0.0038	PASS
					-20	5.88	0.00717	PASS
					-10	0.65	0.00092	PASS
					0	0.18	0.00036	PASS
					10	1.62	0.00208	PASS
					20	2.94	0.00366	PASS
					30	8.52	0.01033	PASS
					40	-5.72	-0.0067	PASS
					50	0.85	0.00116	PASS
			HCH	VN	-30	-0.05	0.00008	PASS
					-20	0.55	0.00079	PASS
					-10	3.02	0.0037	PASS
					0	-0.84	-0.00086	PASS
					10	-0.27	-0.00018	PASS
					20	-0.15	-0.00004	PASS
					30	-1.23	-0.00132	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10			40	1.19	0.00154	PASS
					50	-8.59	-0.01001	PASS
			LCH	VN	-30	-6.05	-0.00715	PASS
					-20	-4.49	-0.00527	PASS
					-10	10.76	0.01312	PASS
					0	10.16	0.0124	PASS
					10	-3.39	-0.00395	PASS
					20	-3.34	-0.00389	PASS
					30	-6.85	-0.00812	PASS
					40	0.51	0.00076	PASS
					50	-8.56	-0.01018	PASS
			MCH	VN	-30	-110.95	-0.1325	PASS
					-20	-54.55	-0.06507	PASS
					-10	-9.14	-0.01079	PASS
					0	-6.83	-0.00802	PASS
					10	22.42	0.02694	PASS
					20	-10.78	-0.01275	PASS
					30	48.51	0.05813	PASS
					40	40.1	0.04808	PASS
			HCH	VN	50	30.33	0.0364	PASS
					-30	0.99	0.00131	PASS
					-20	-0.18	-0.00008	PASS
					-10	0.09	0.00024	PASS
					0	0.85	0.00114	PASS
					10	-1	-0.00105	PASS
					20	-0.07	0.00005	PASS
					30	-0.62	-0.0006	PASS
					40	1.88	0.00236	PASS
					50	-0.6	-0.00057	PASS

END