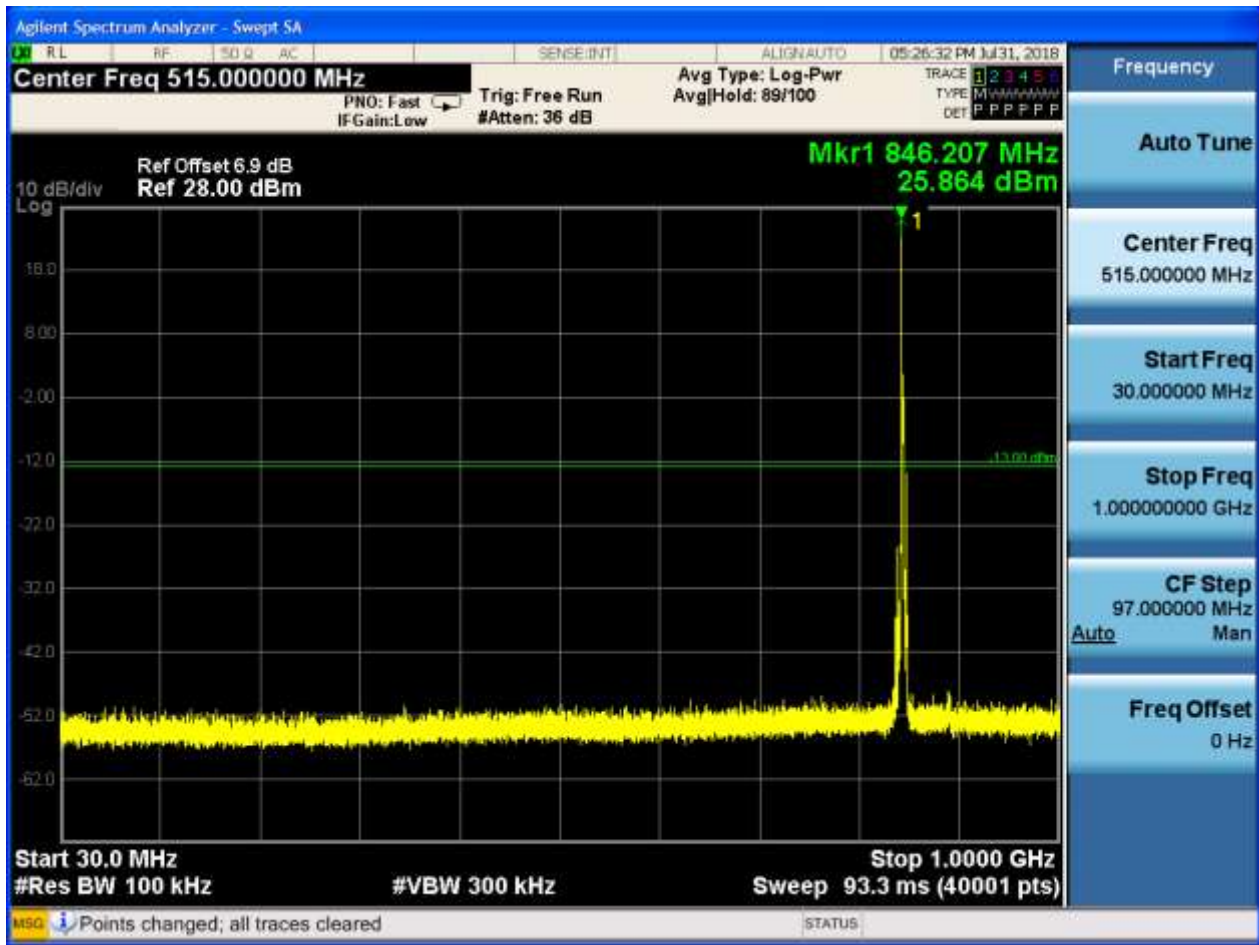






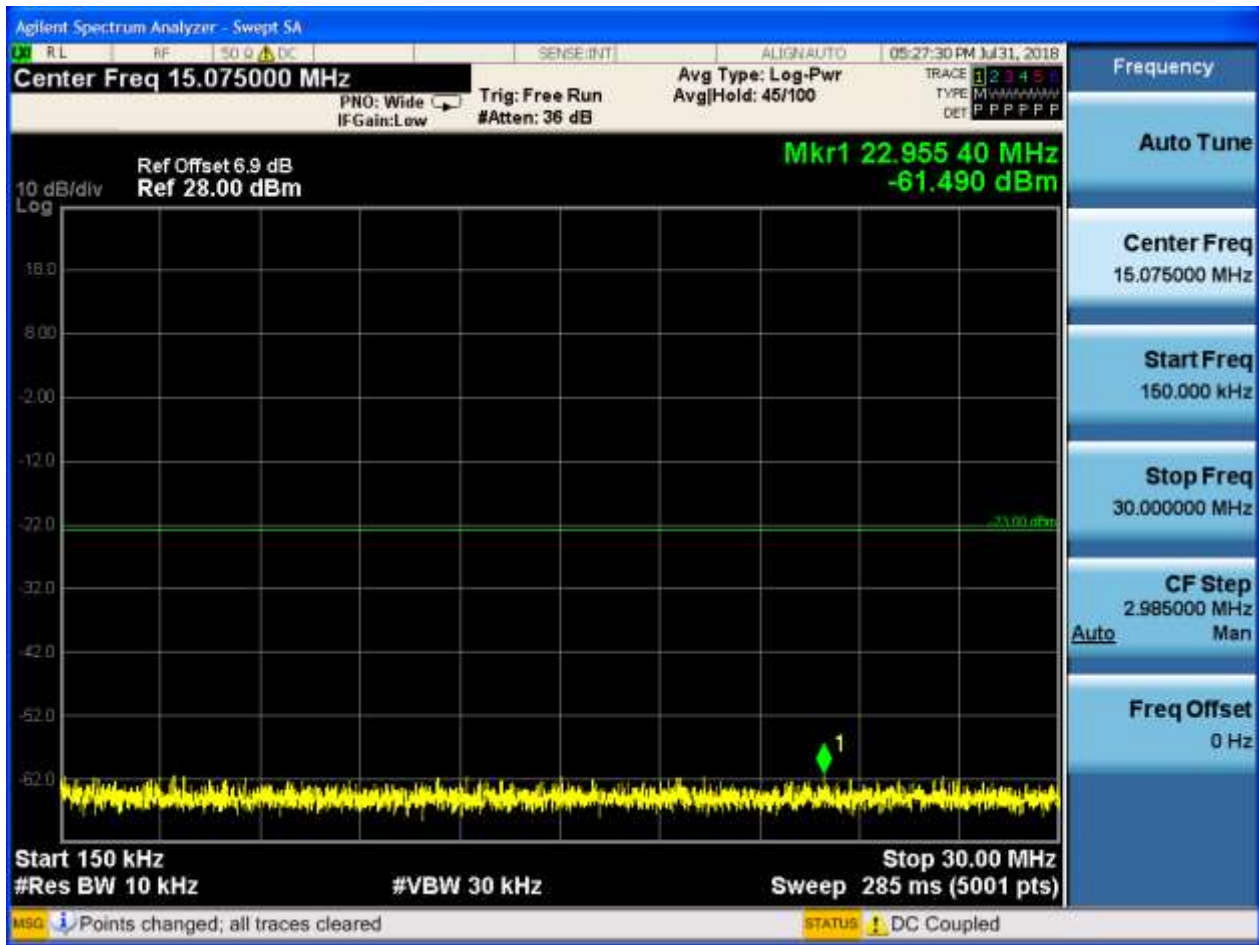


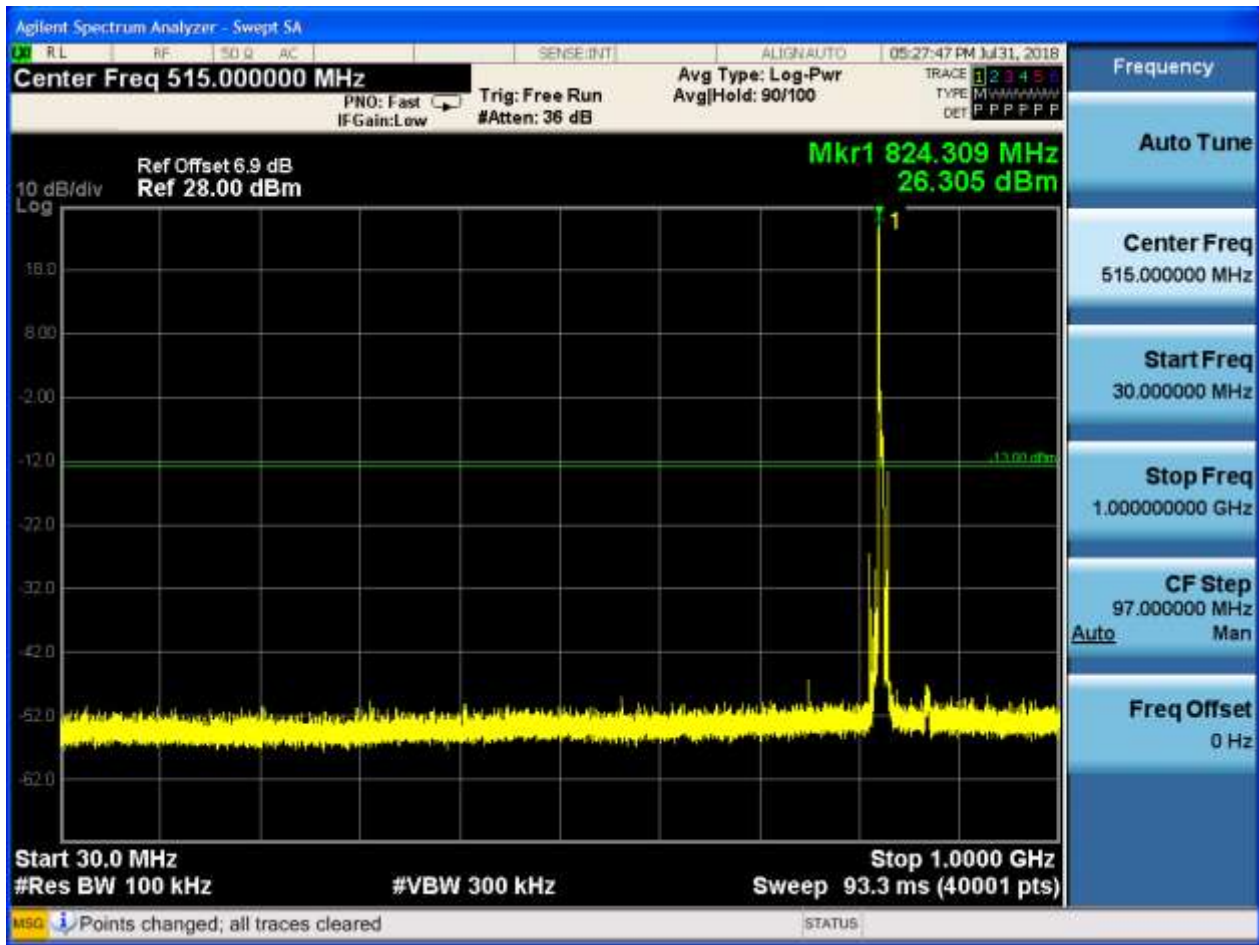
6.1.1.1.3 Test Bandwidth = 5

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





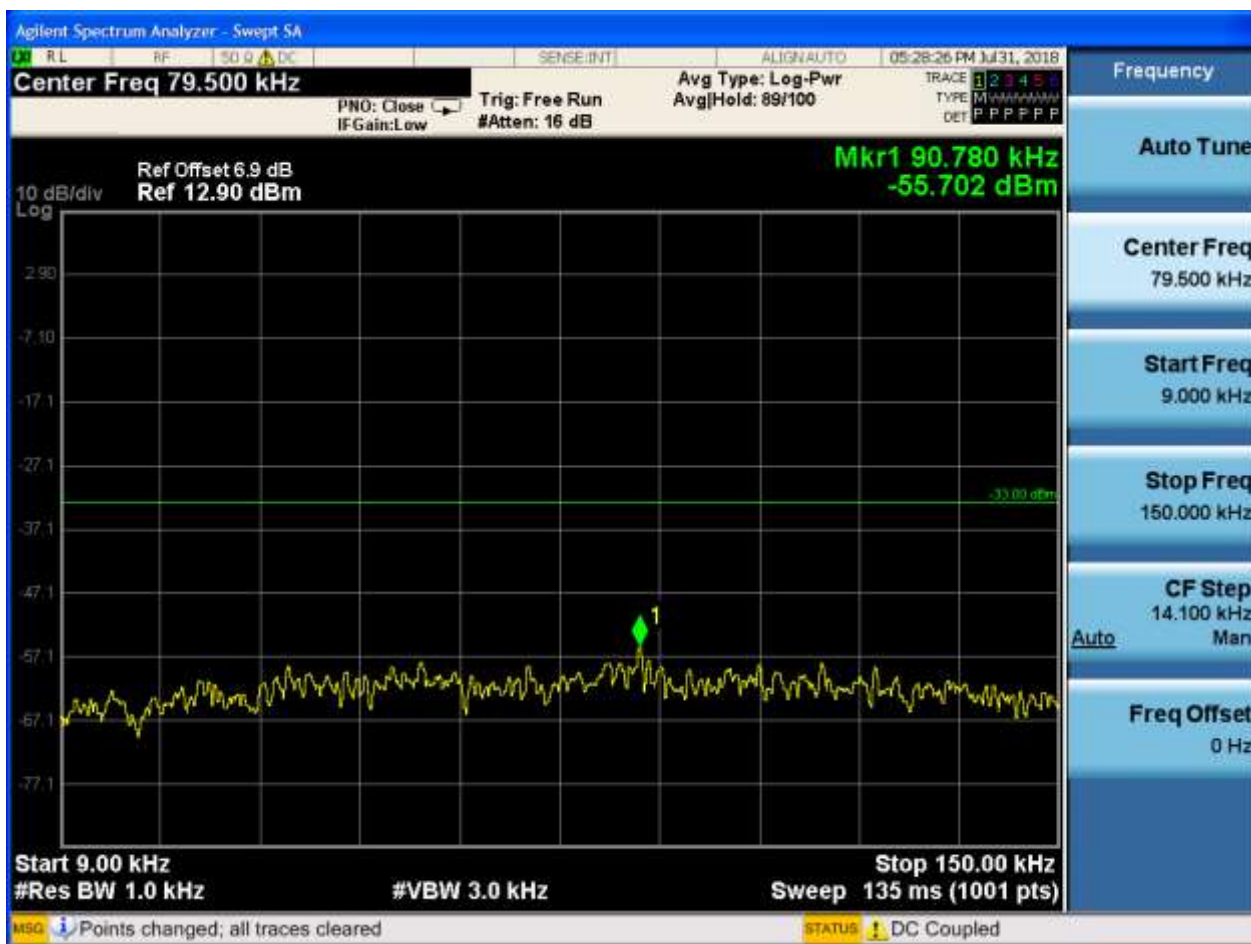


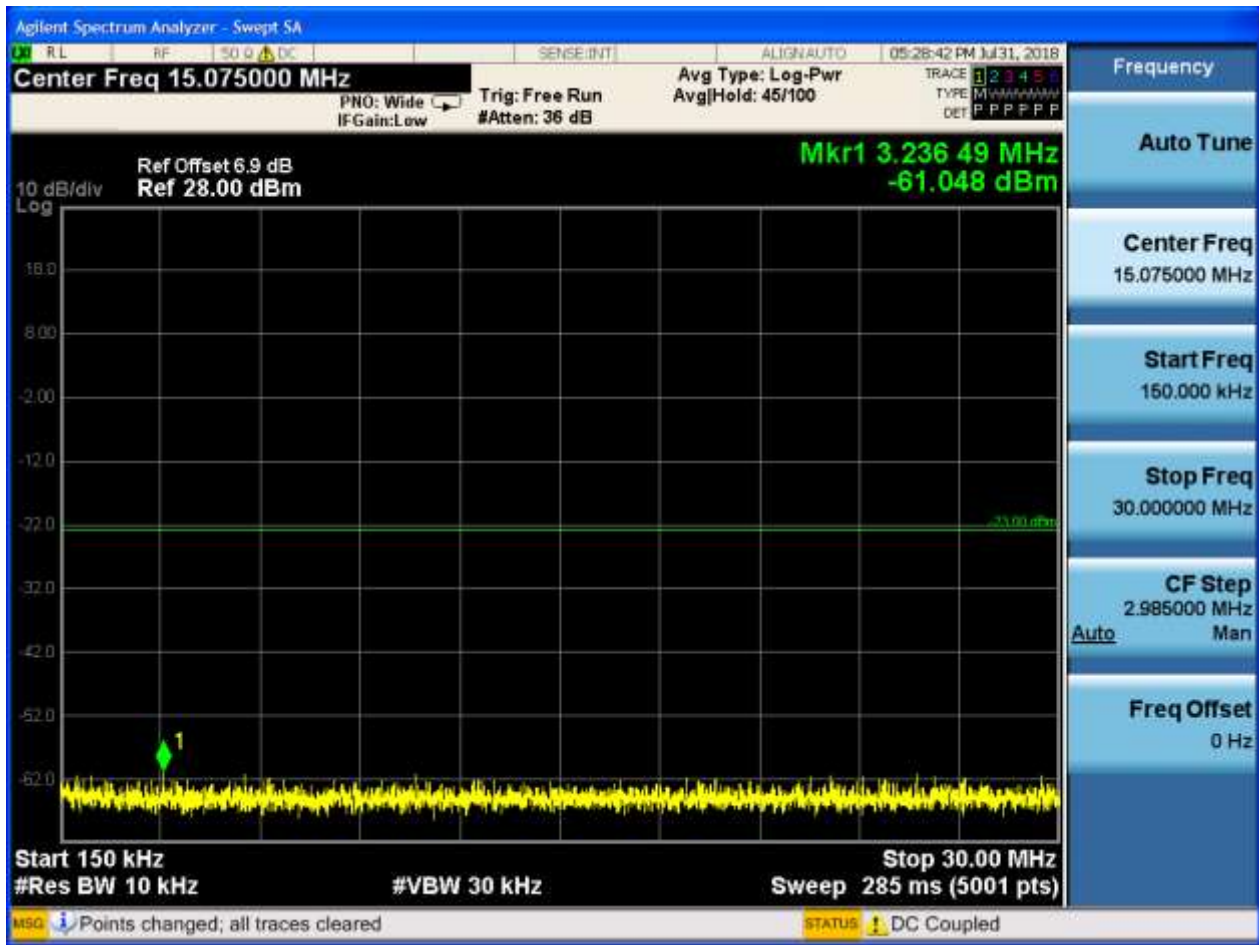


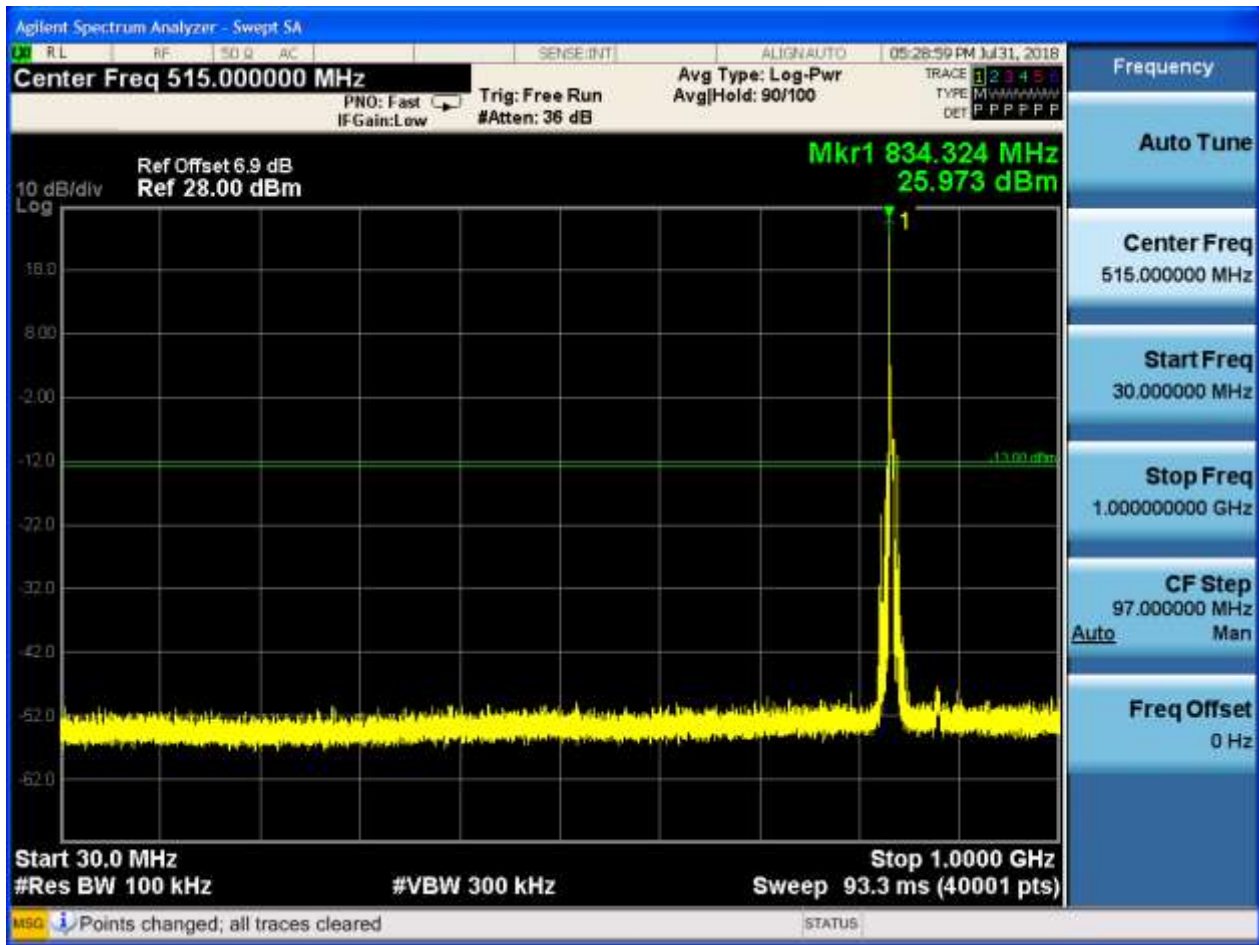


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0







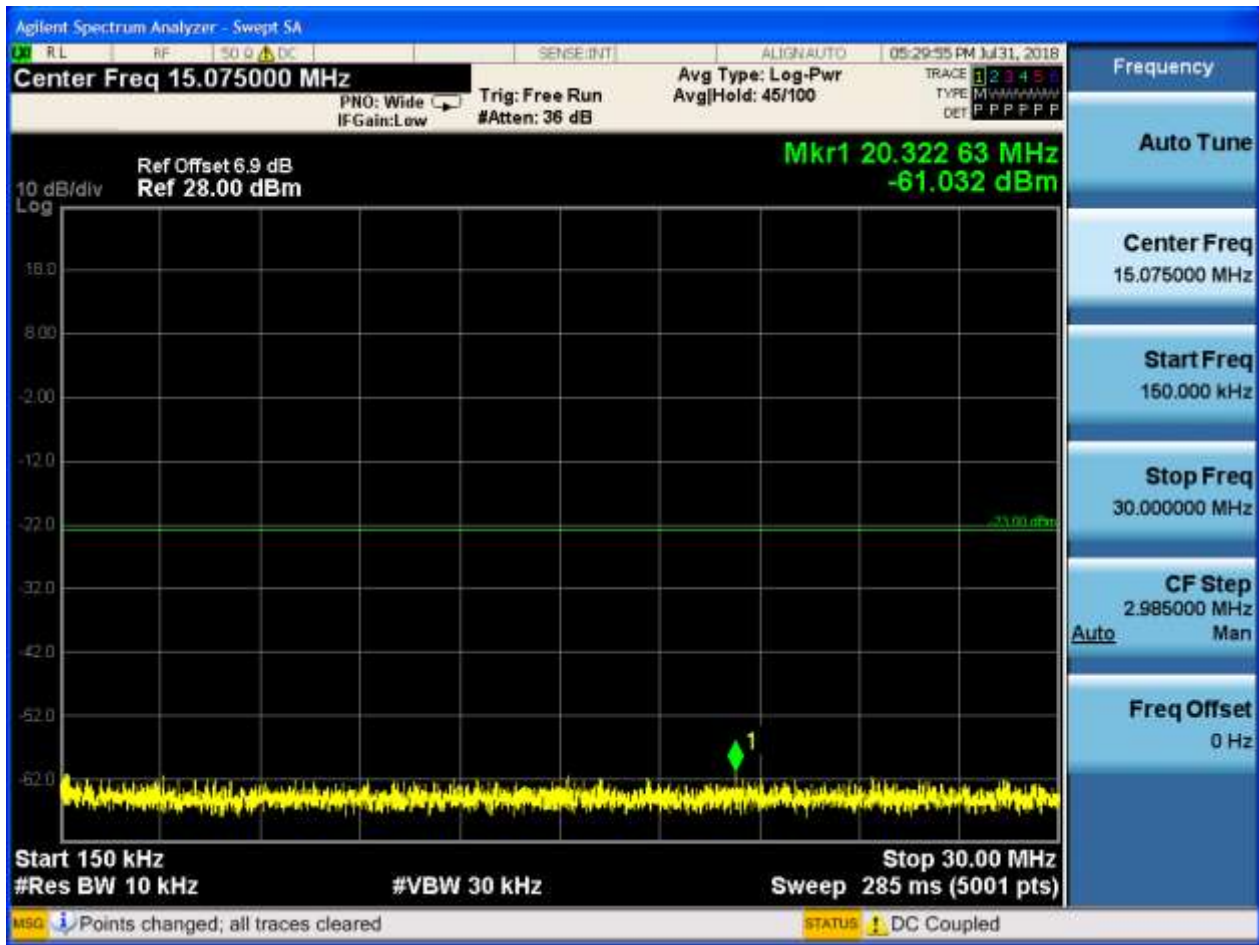


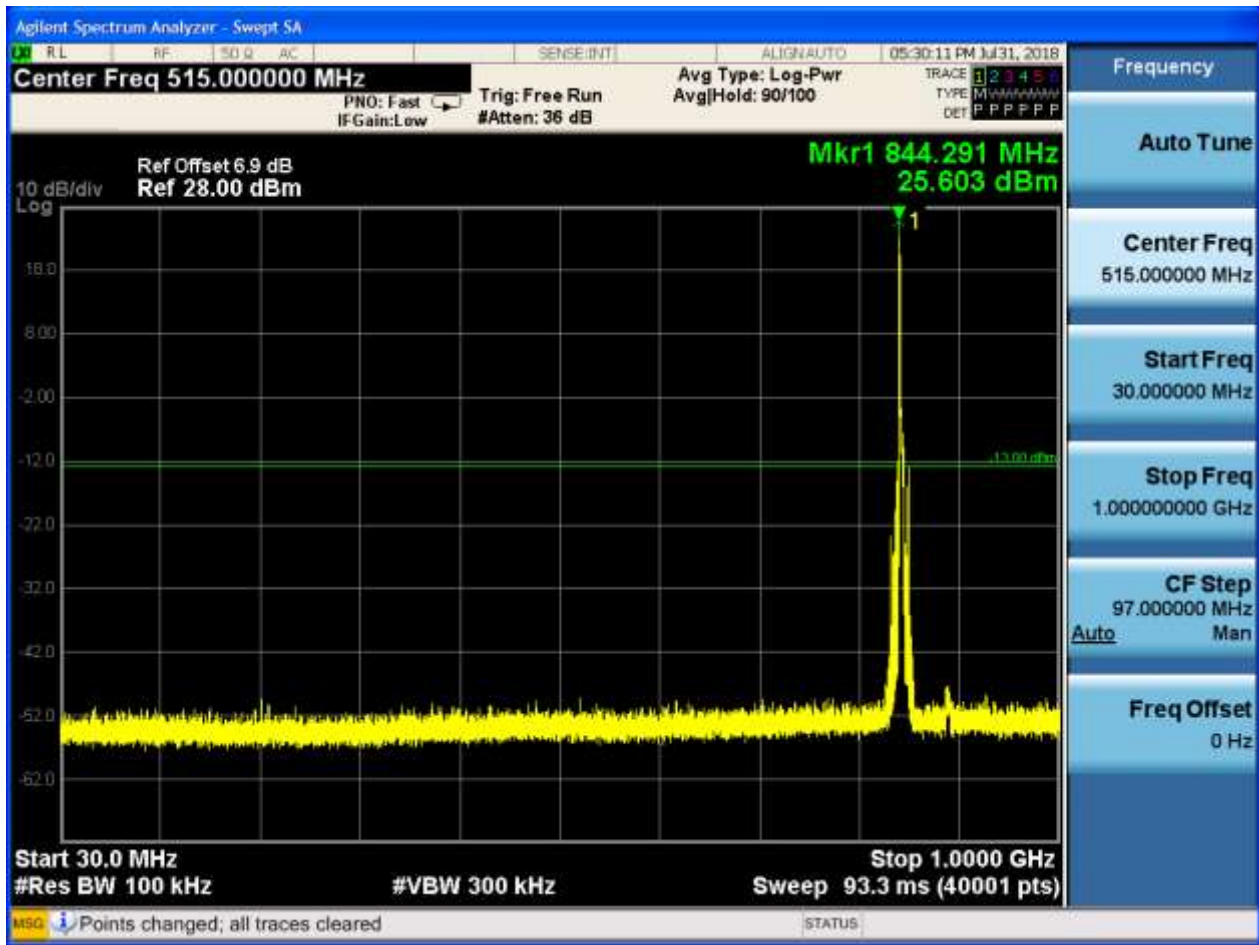


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







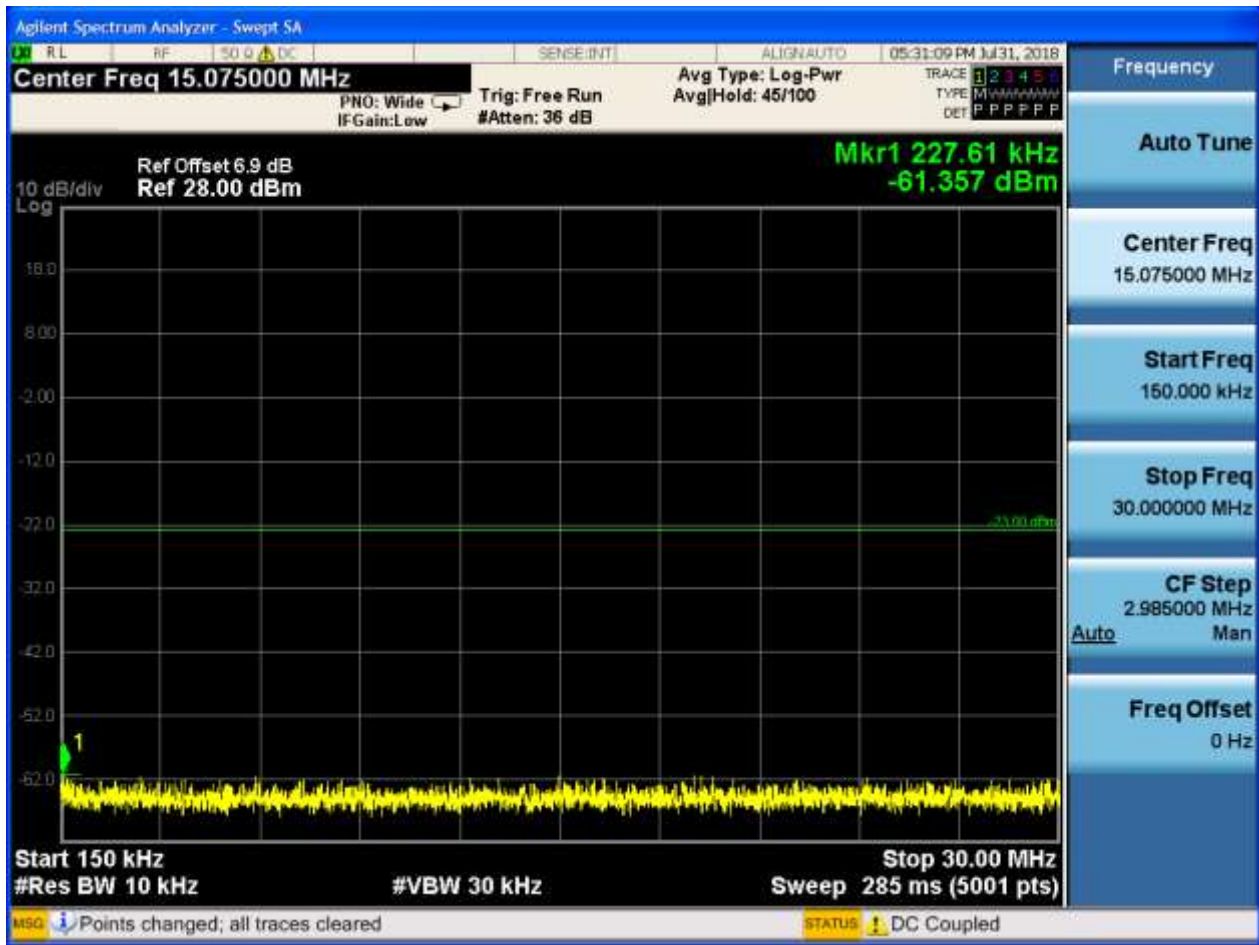


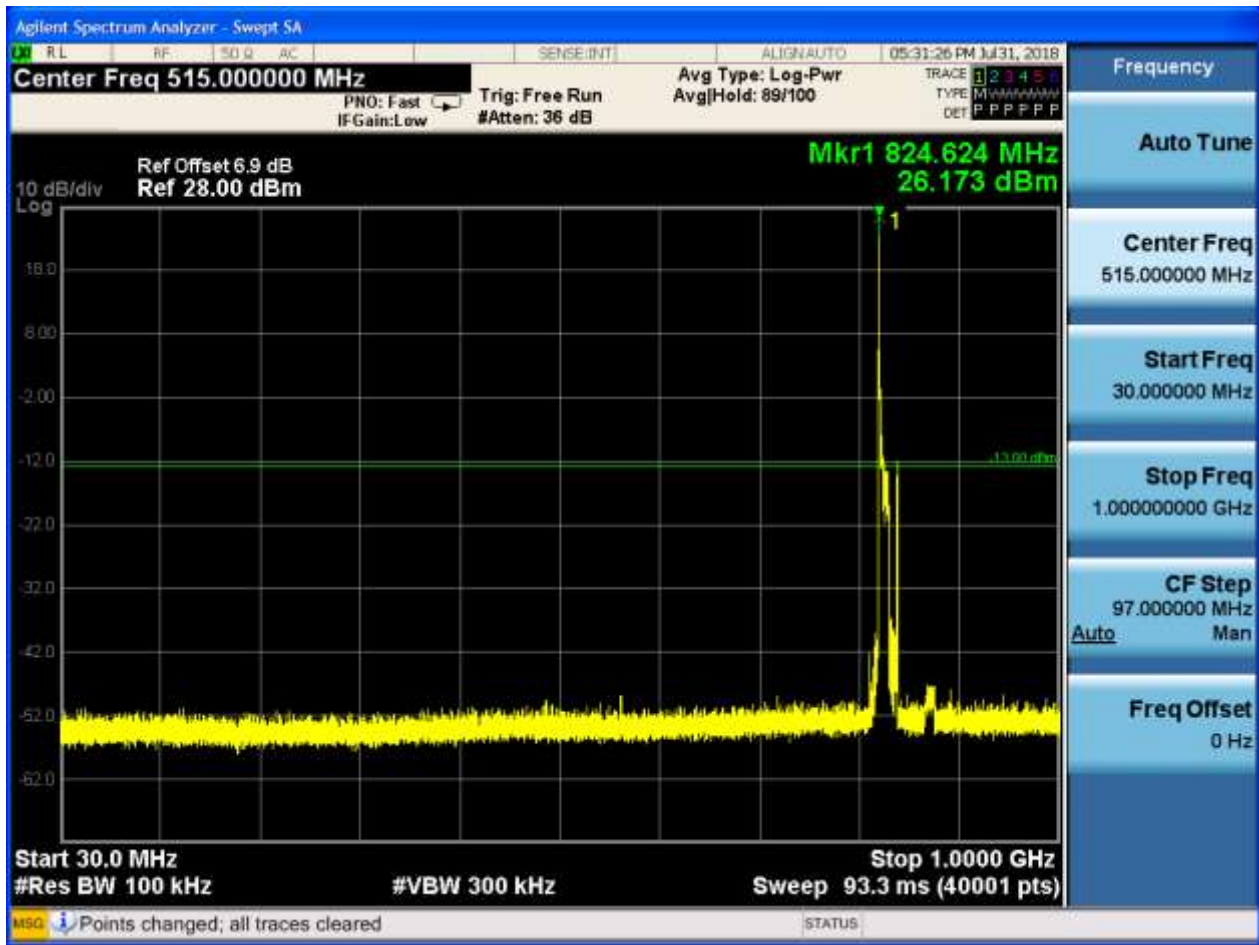
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0







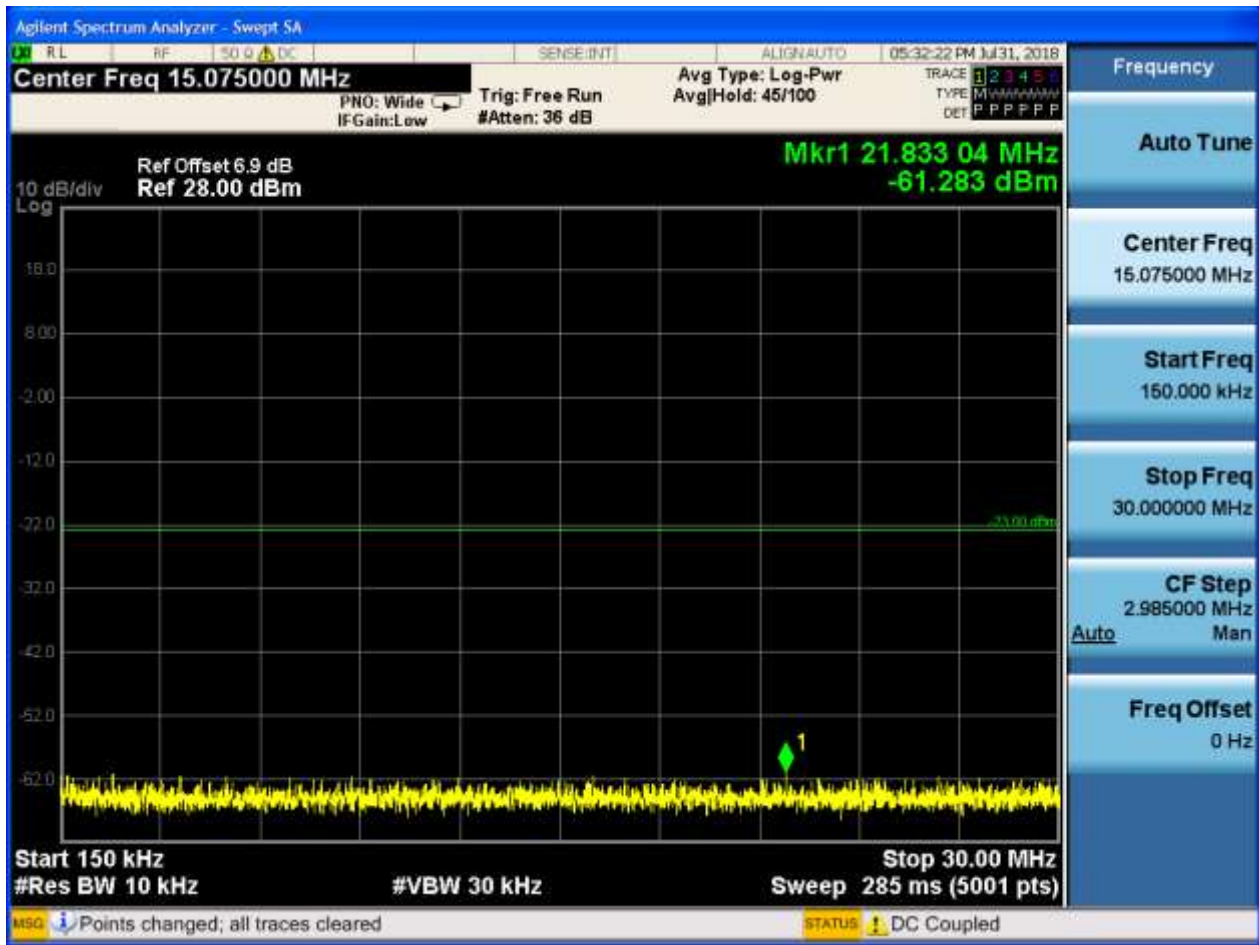


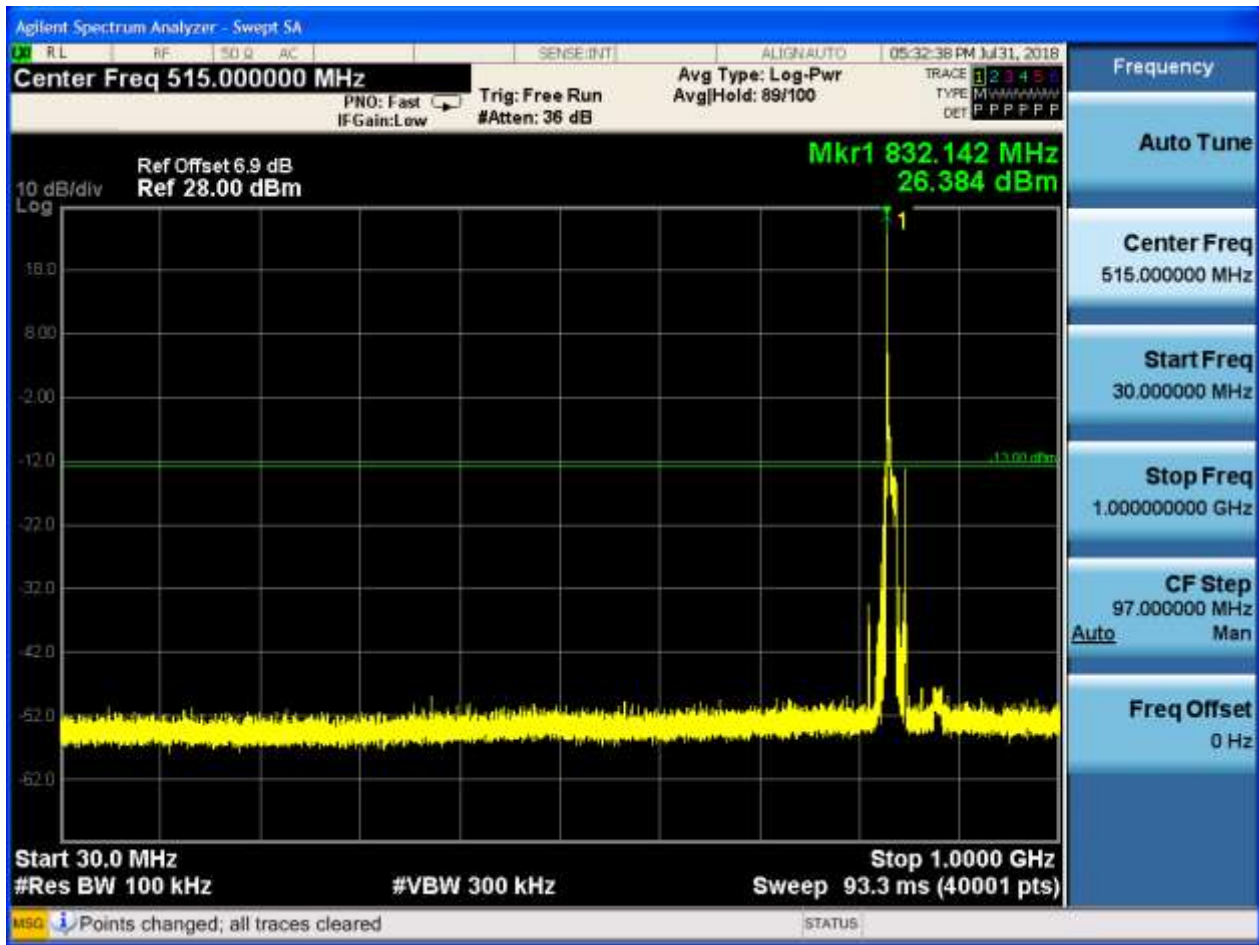


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0







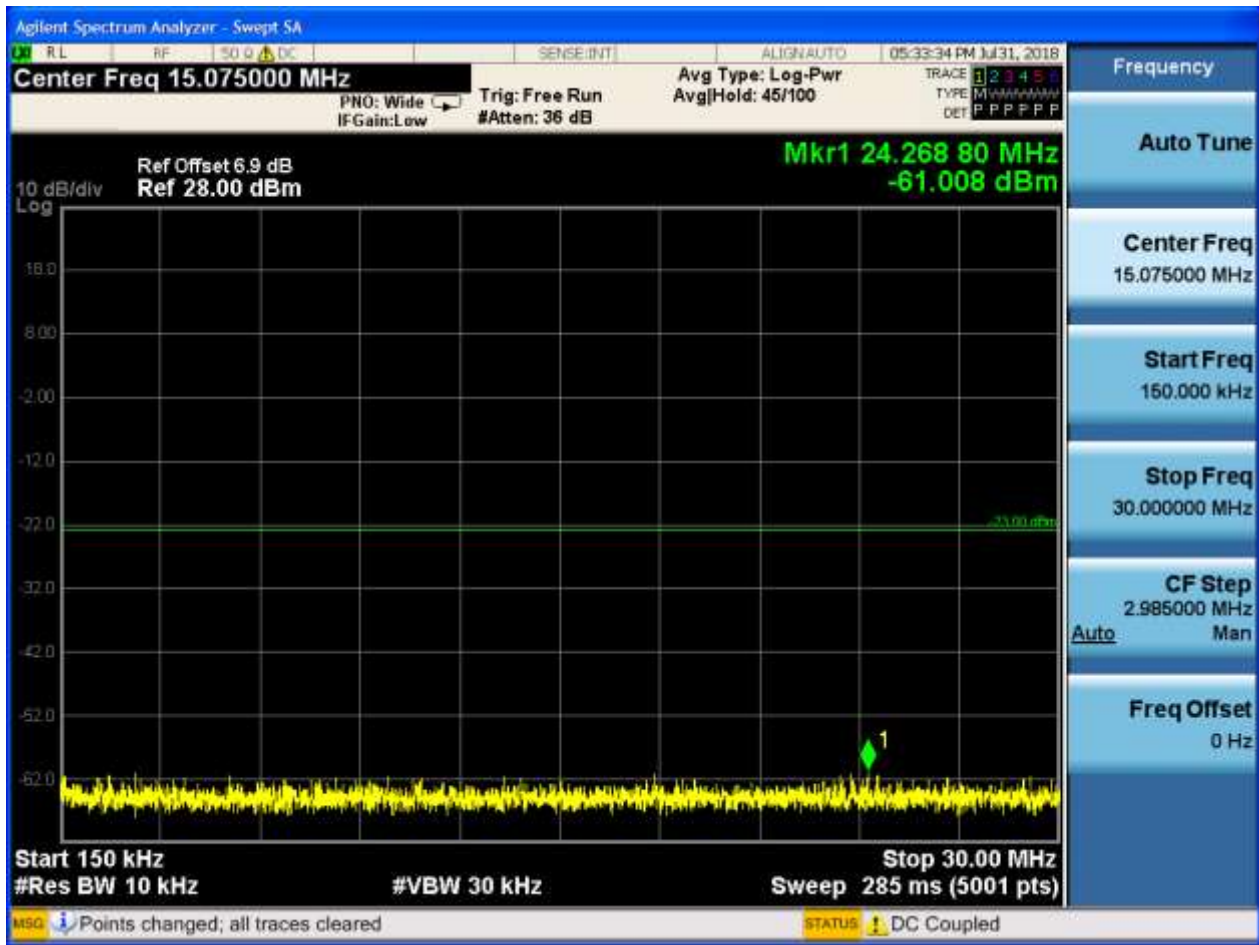


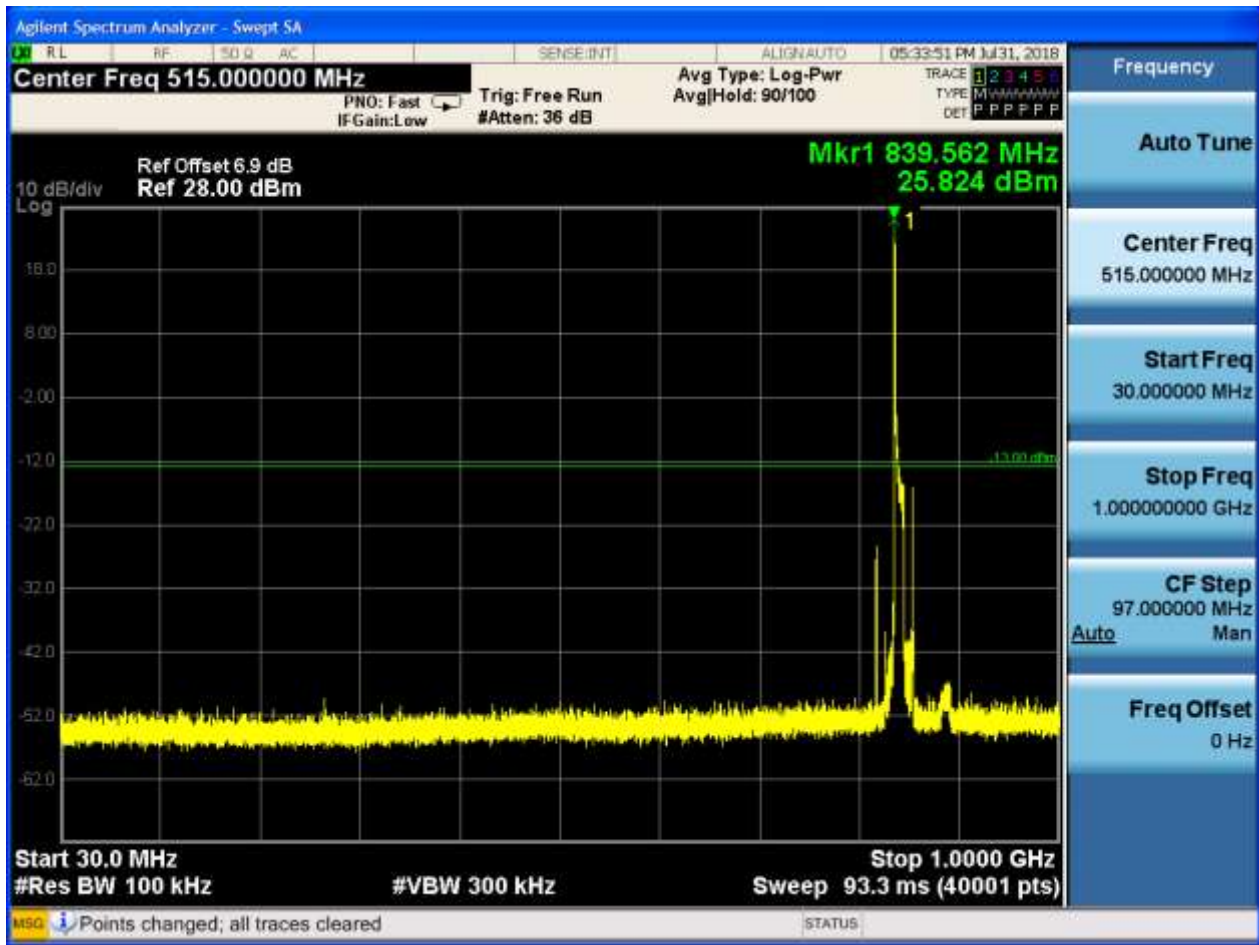


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0











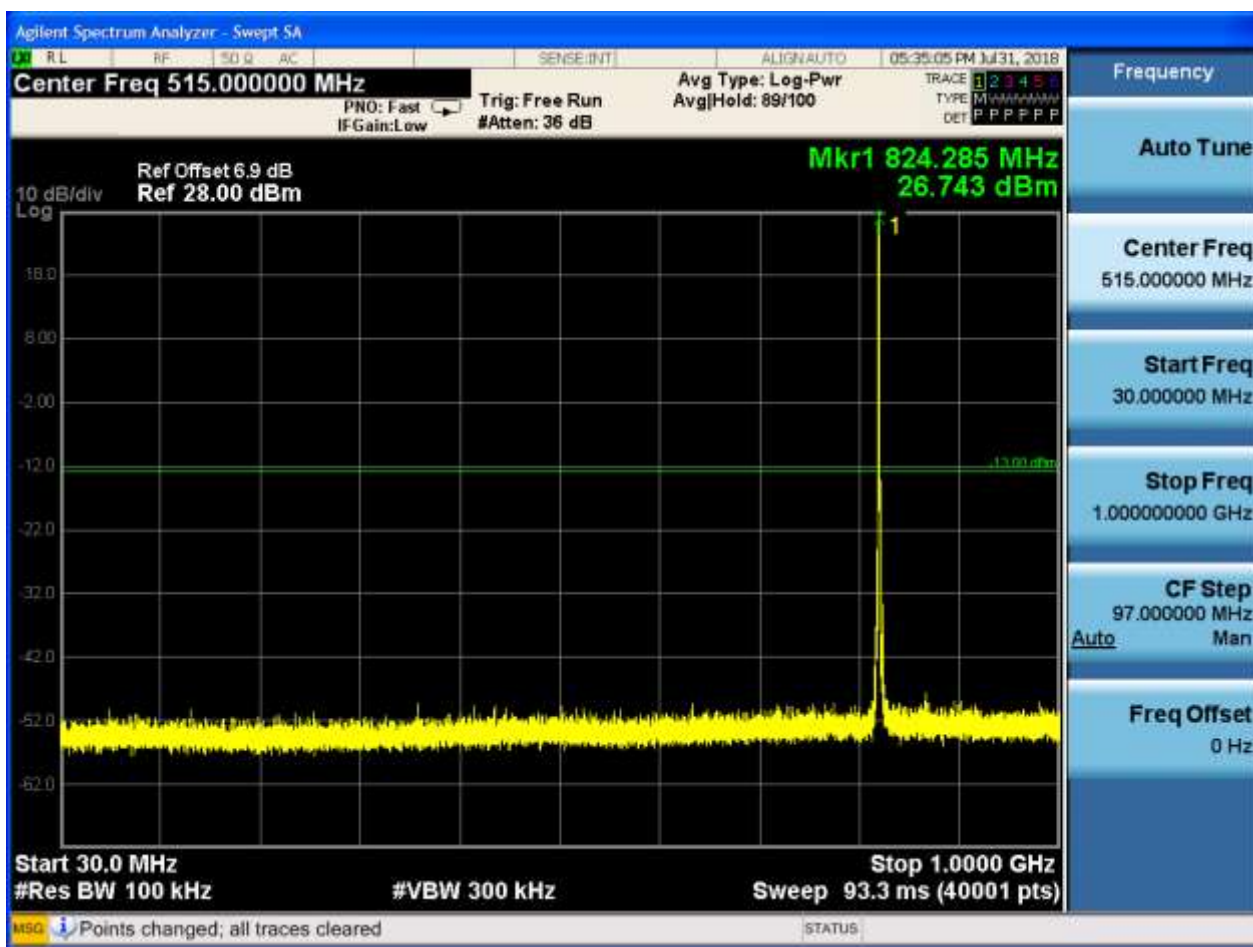
6.1.1.2 Test Mode = LTE/TM2

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



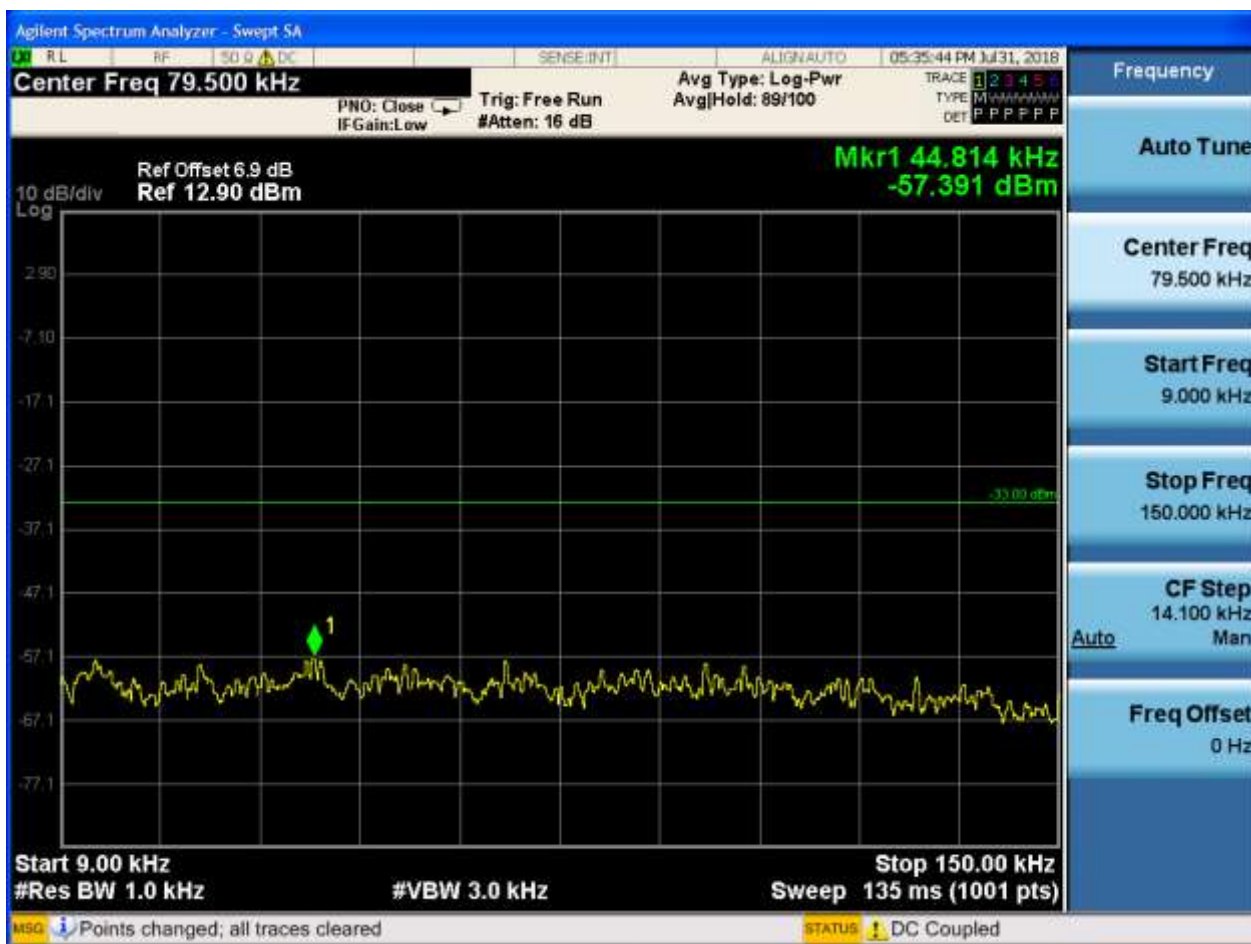


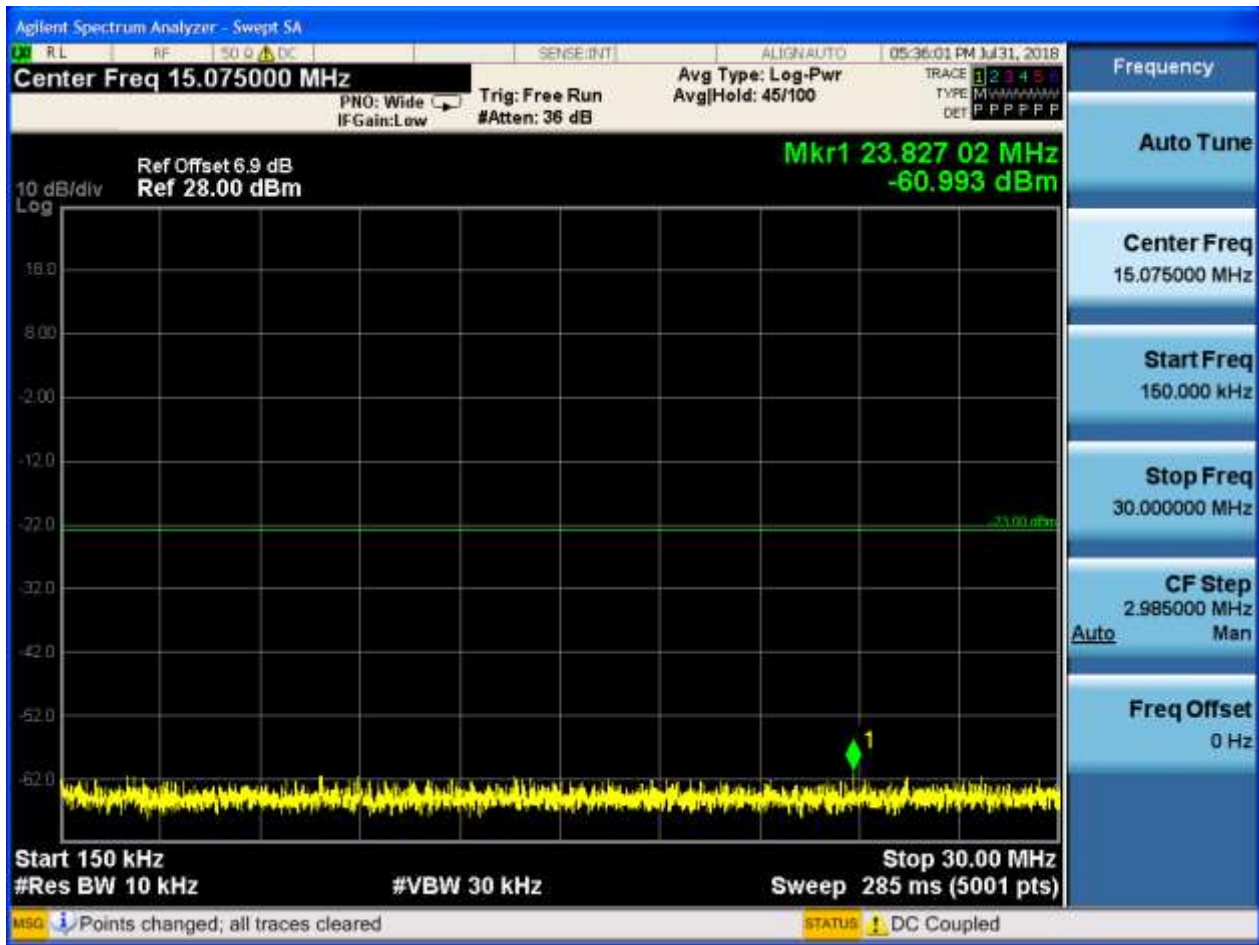


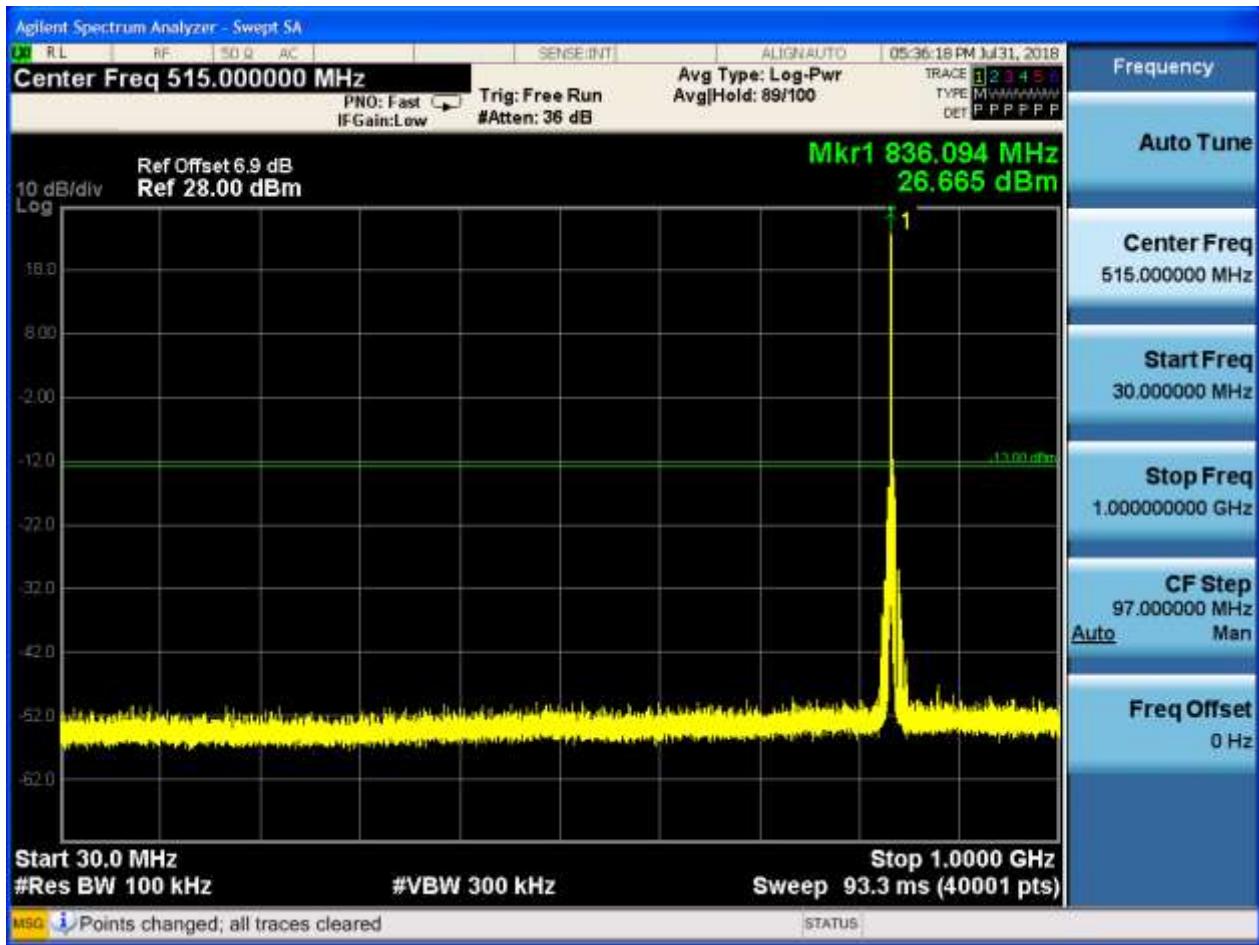


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0









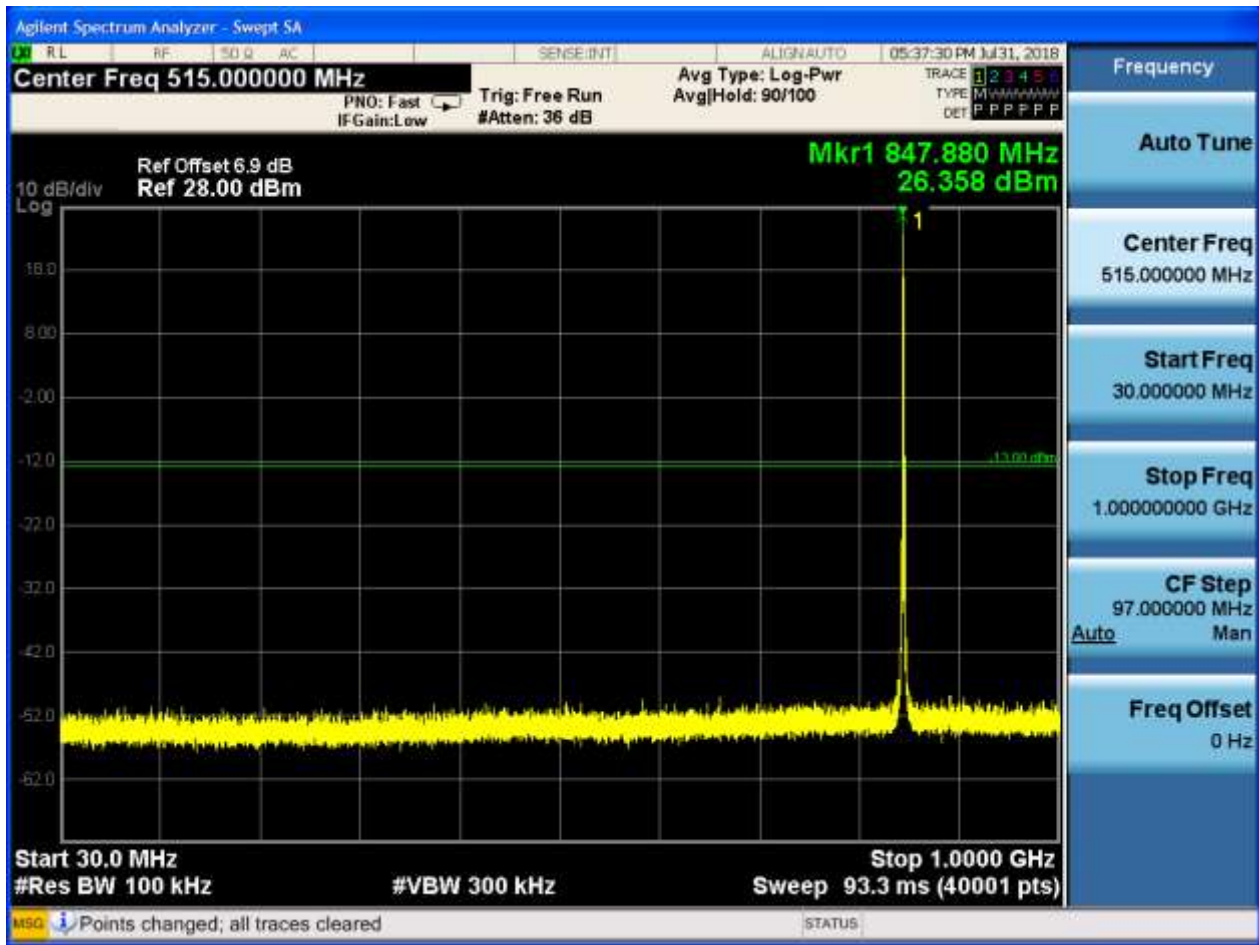


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







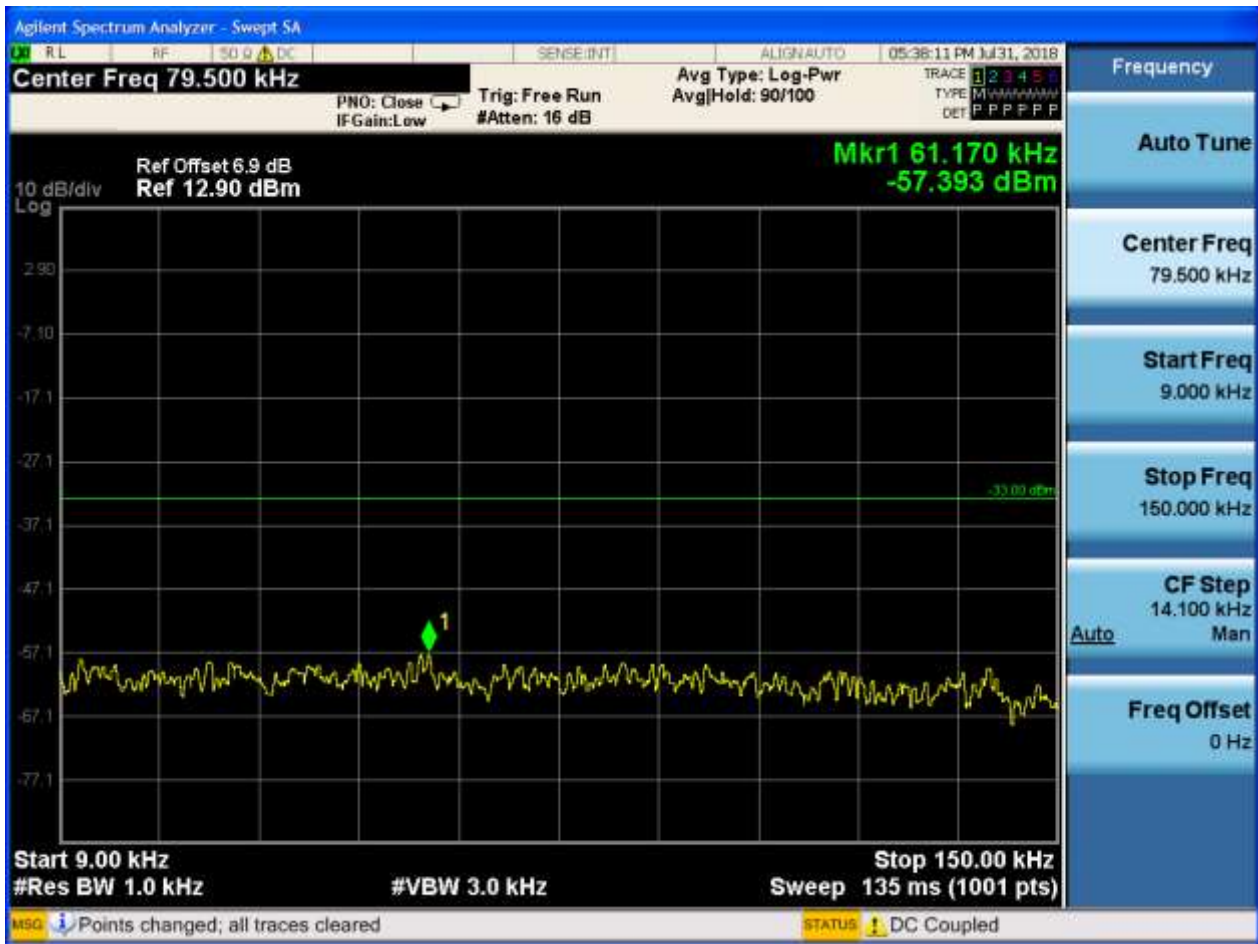


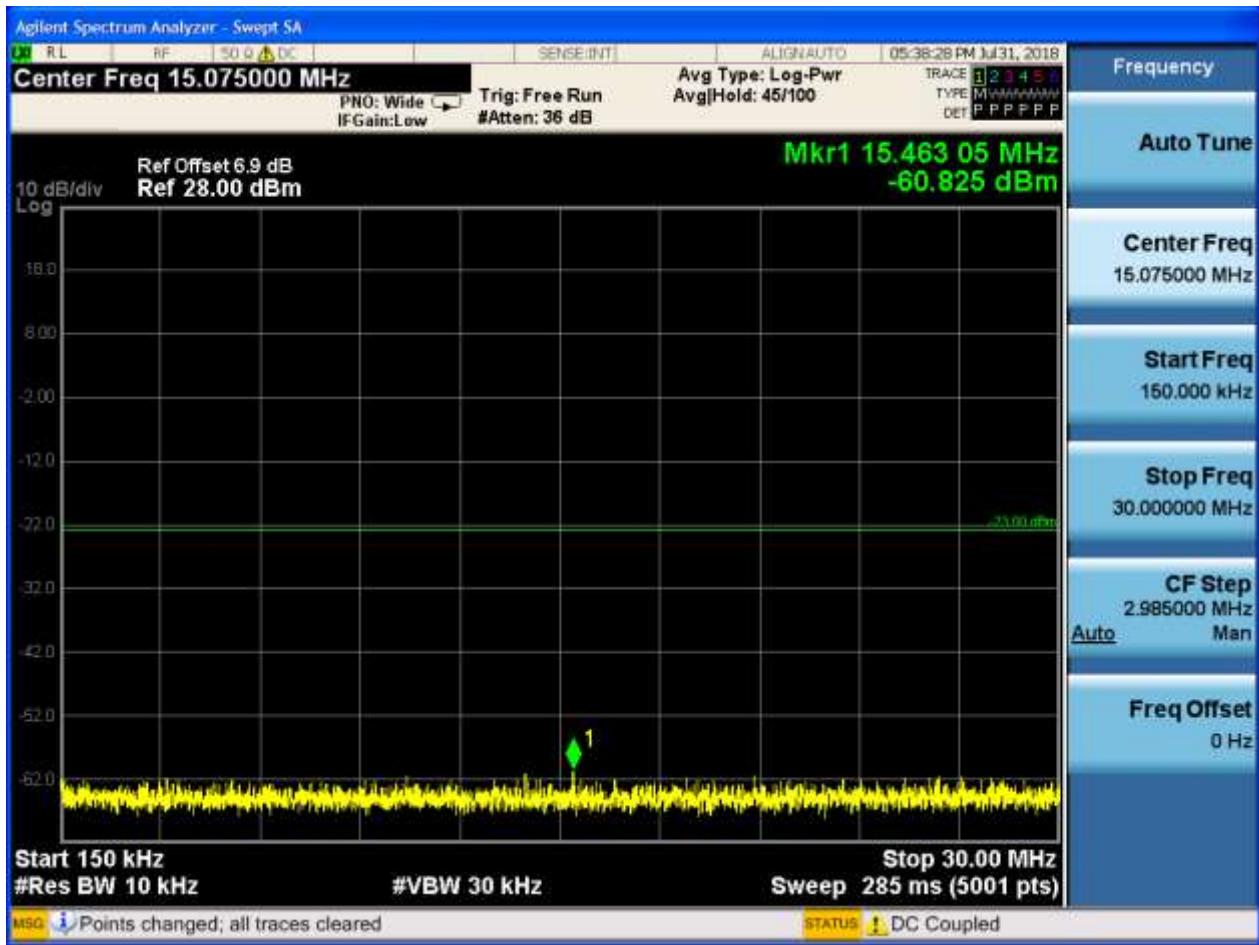


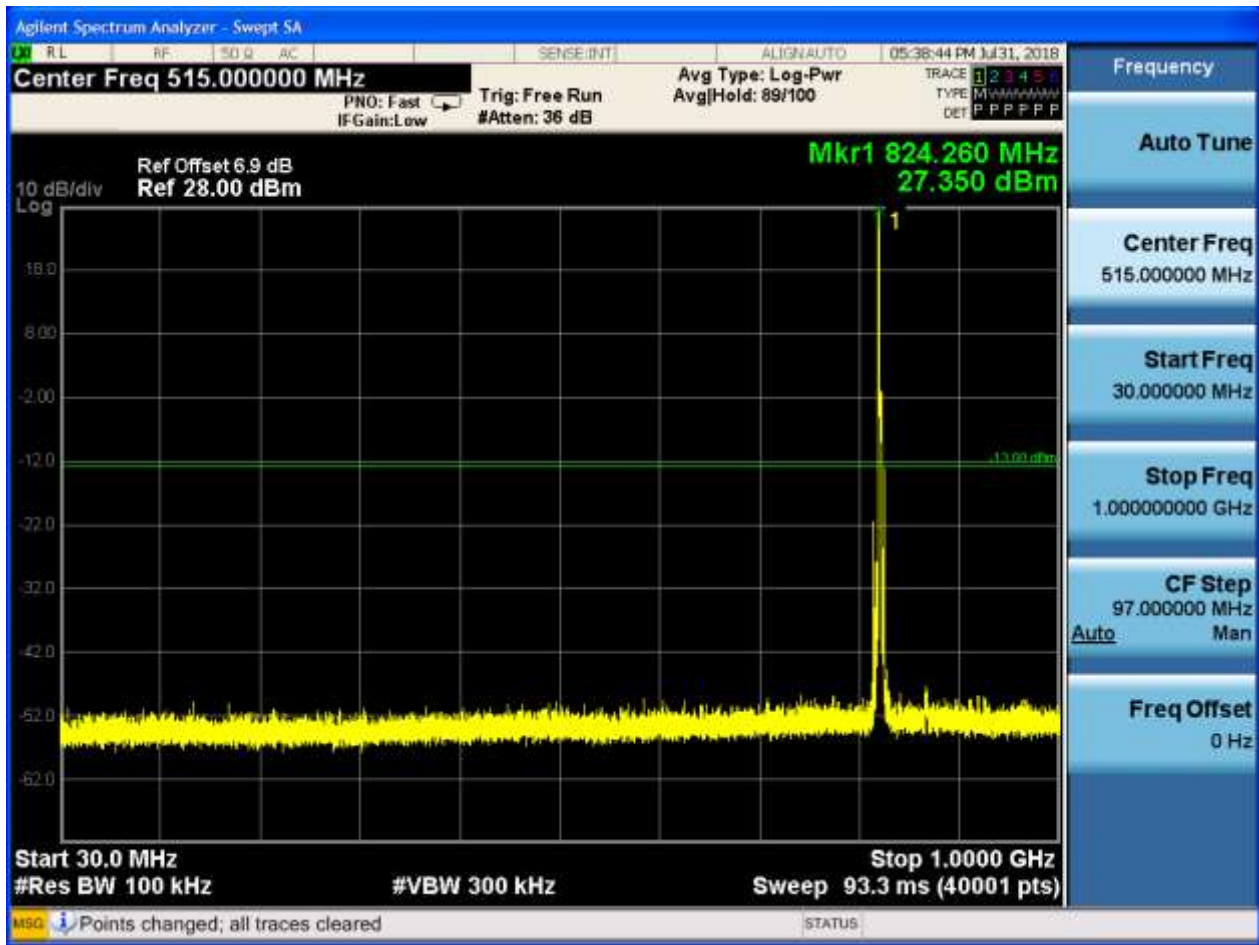
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





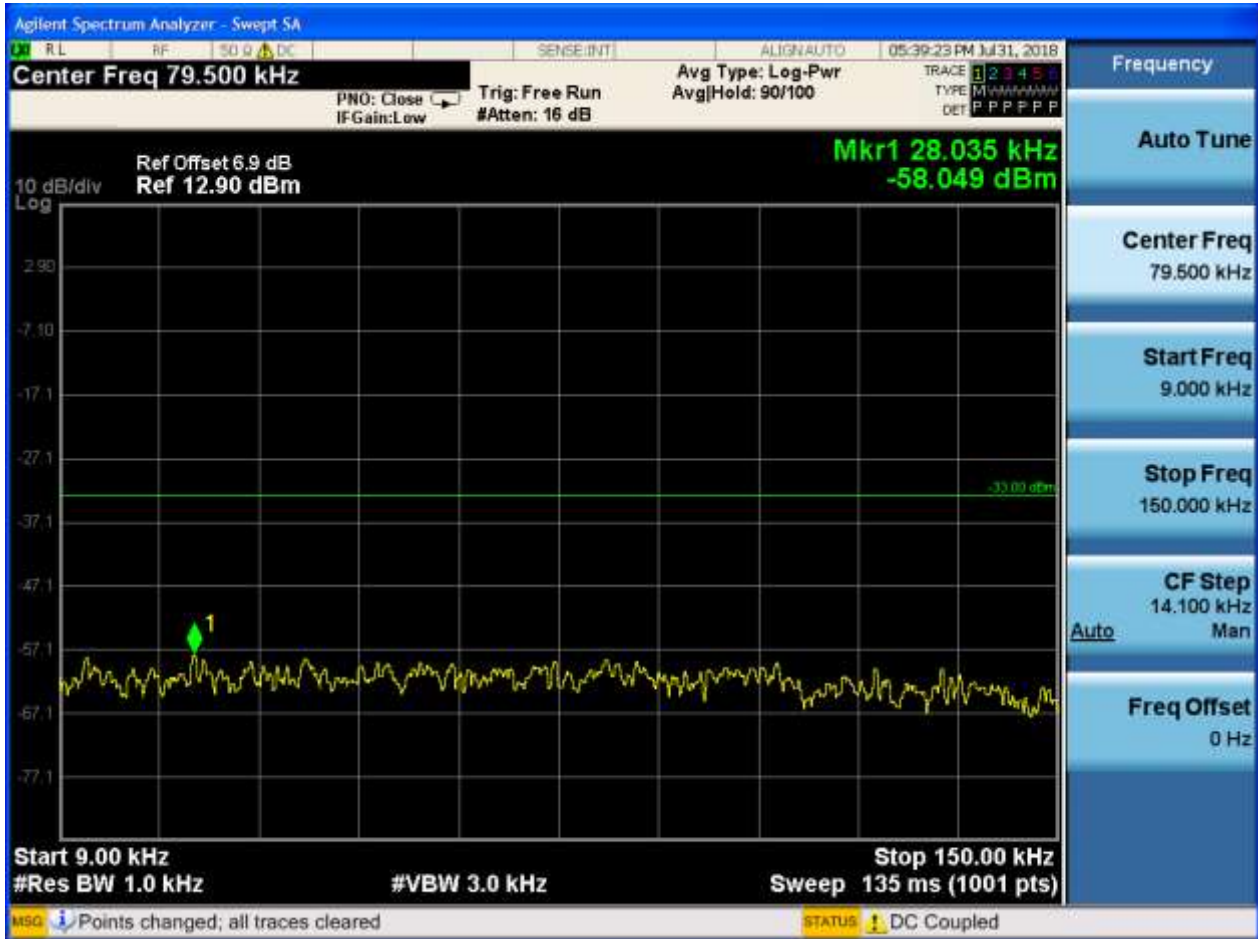


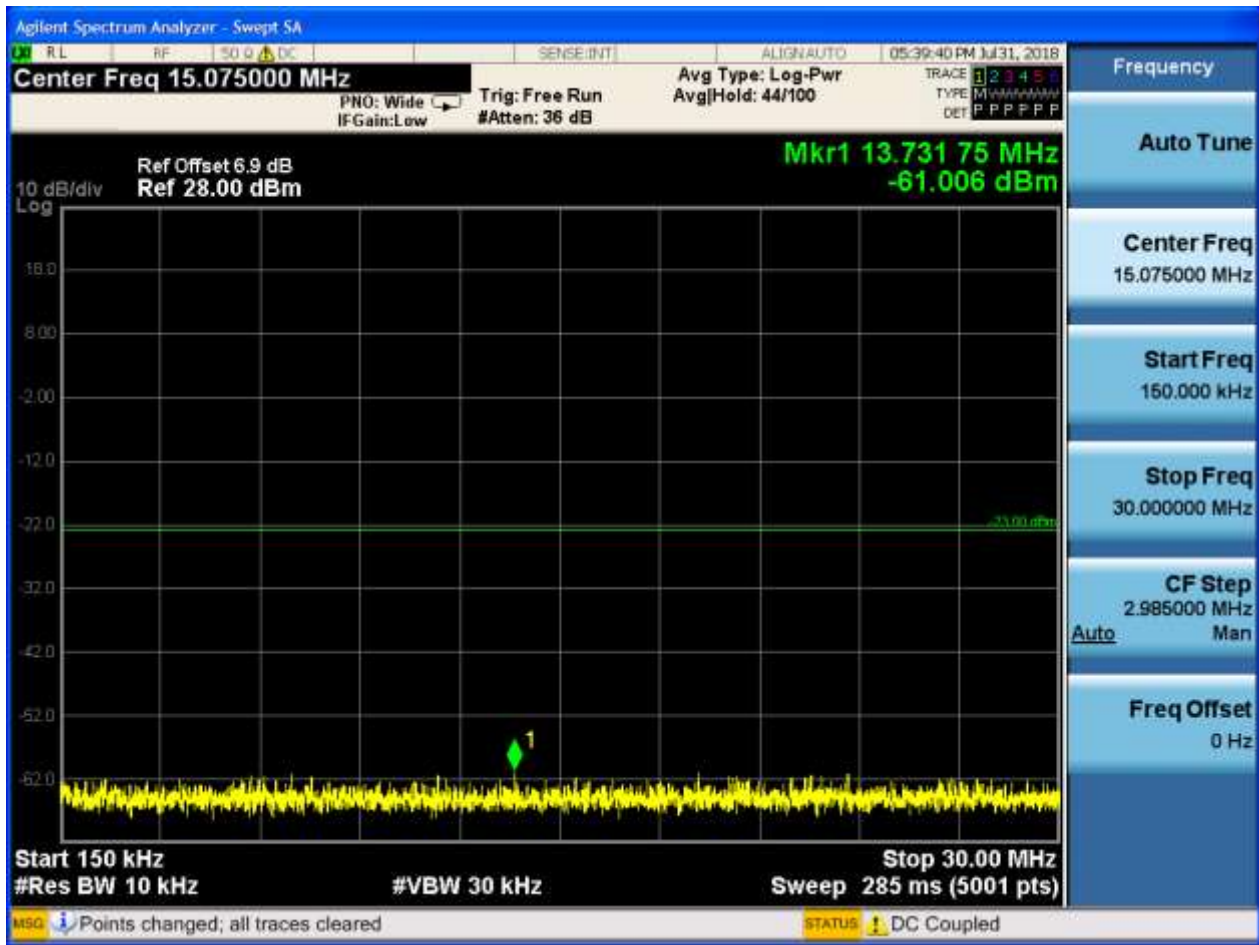


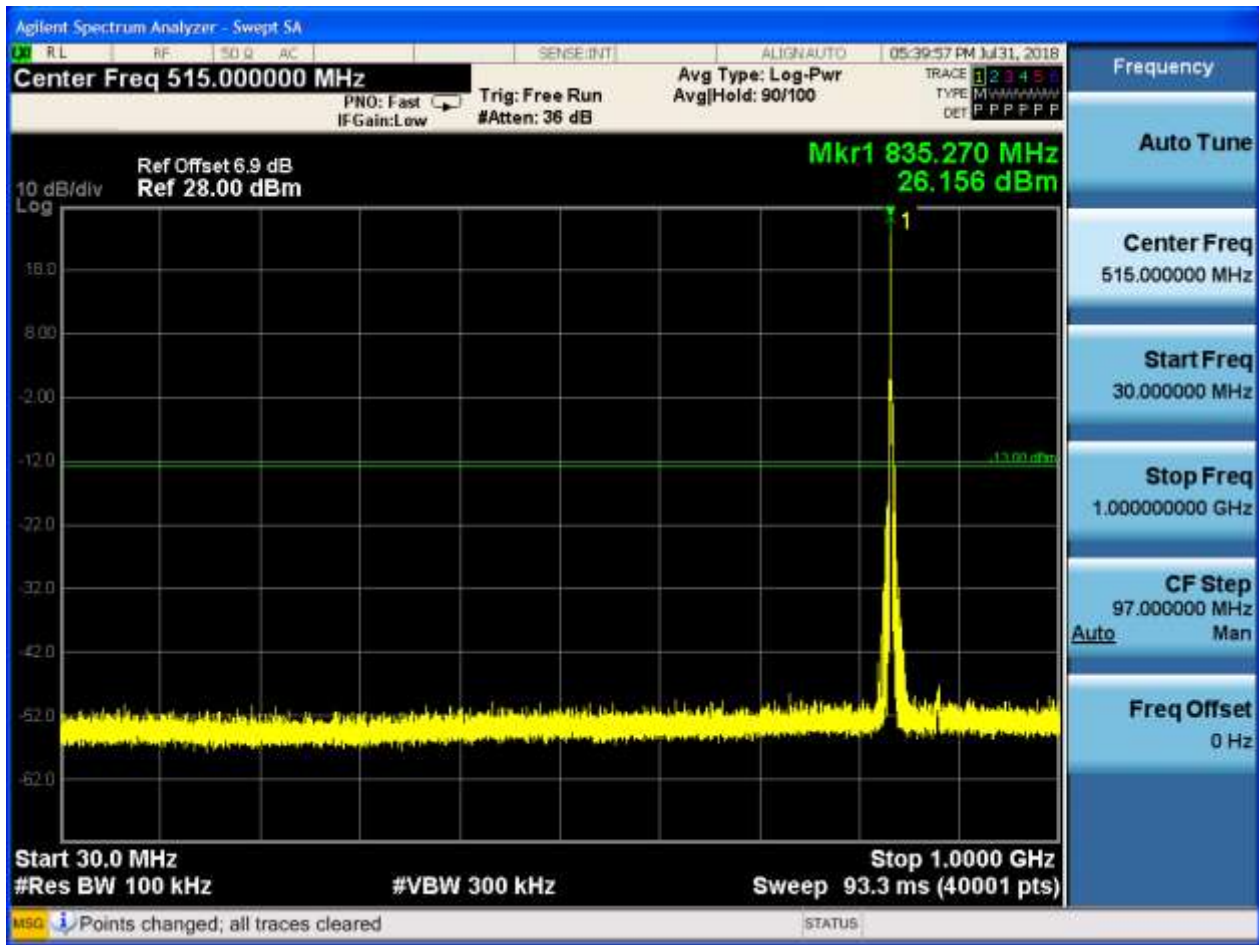


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0







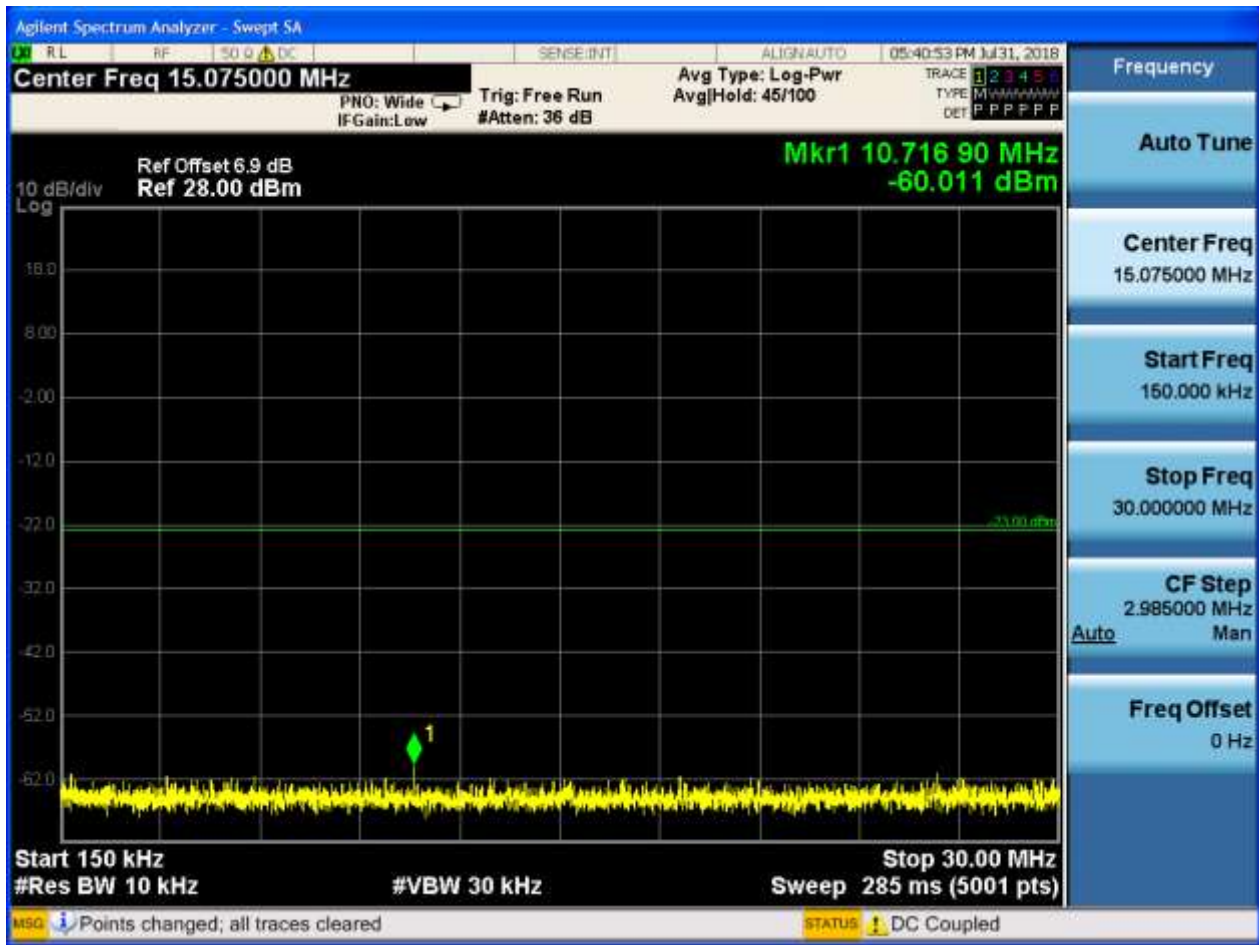


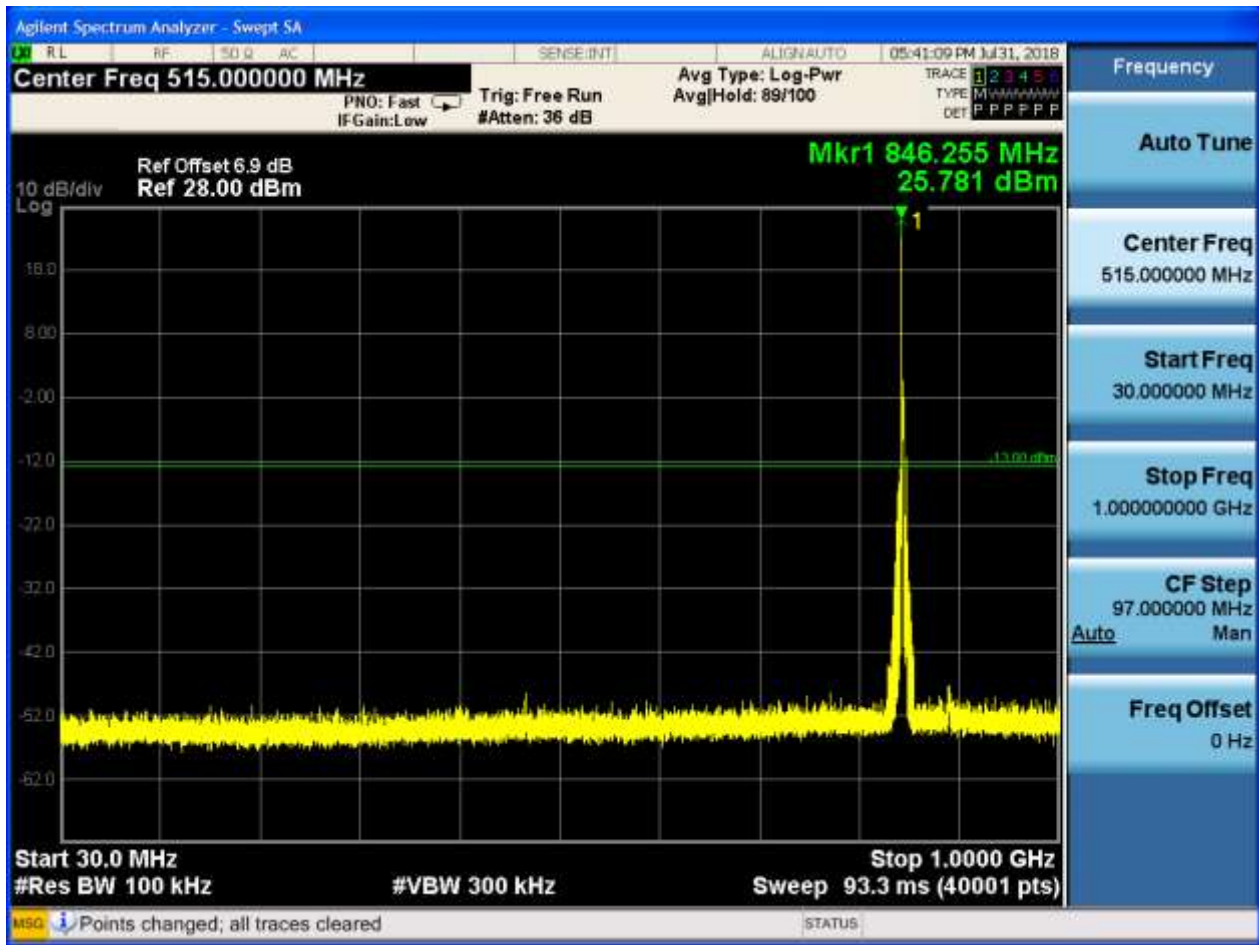


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0









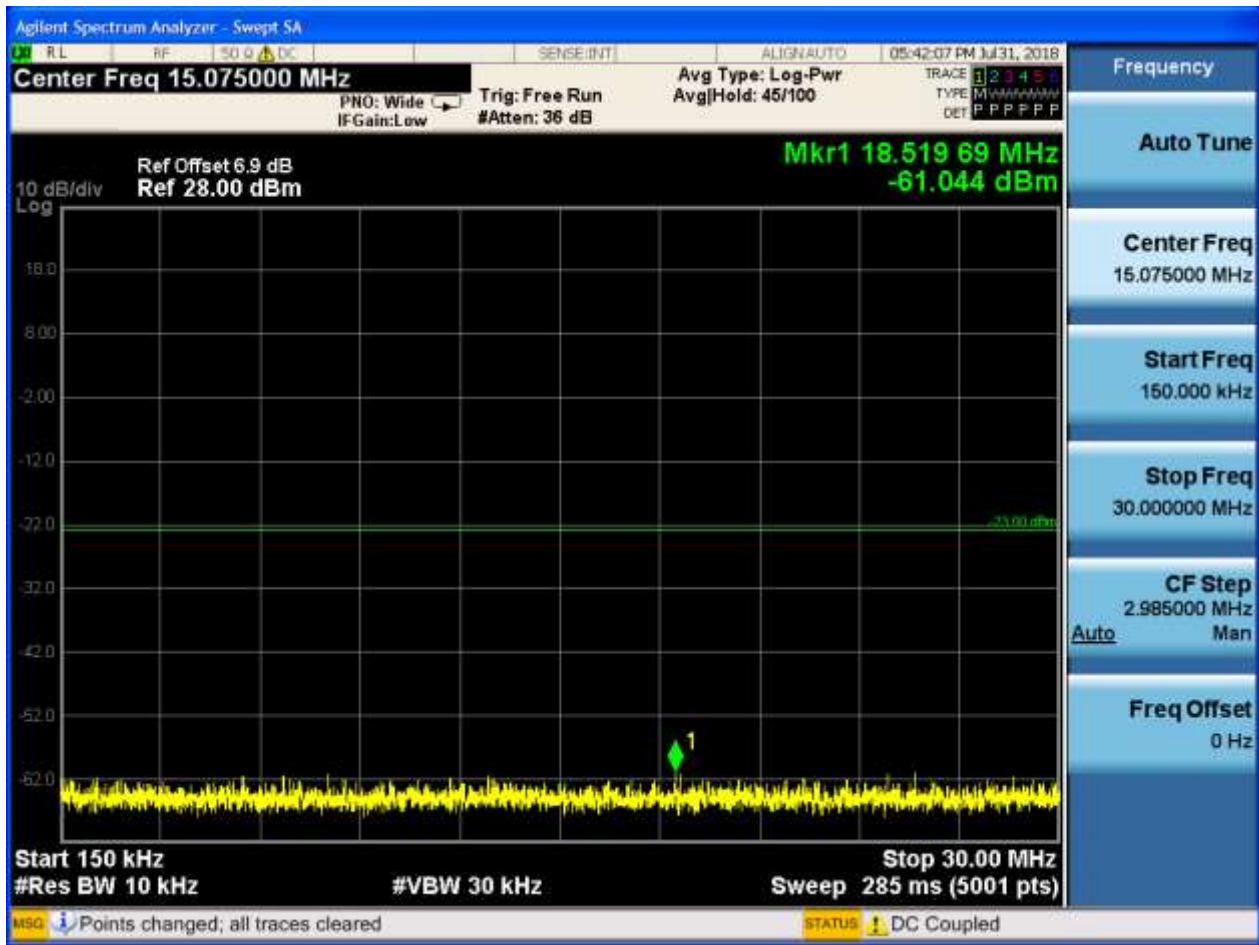


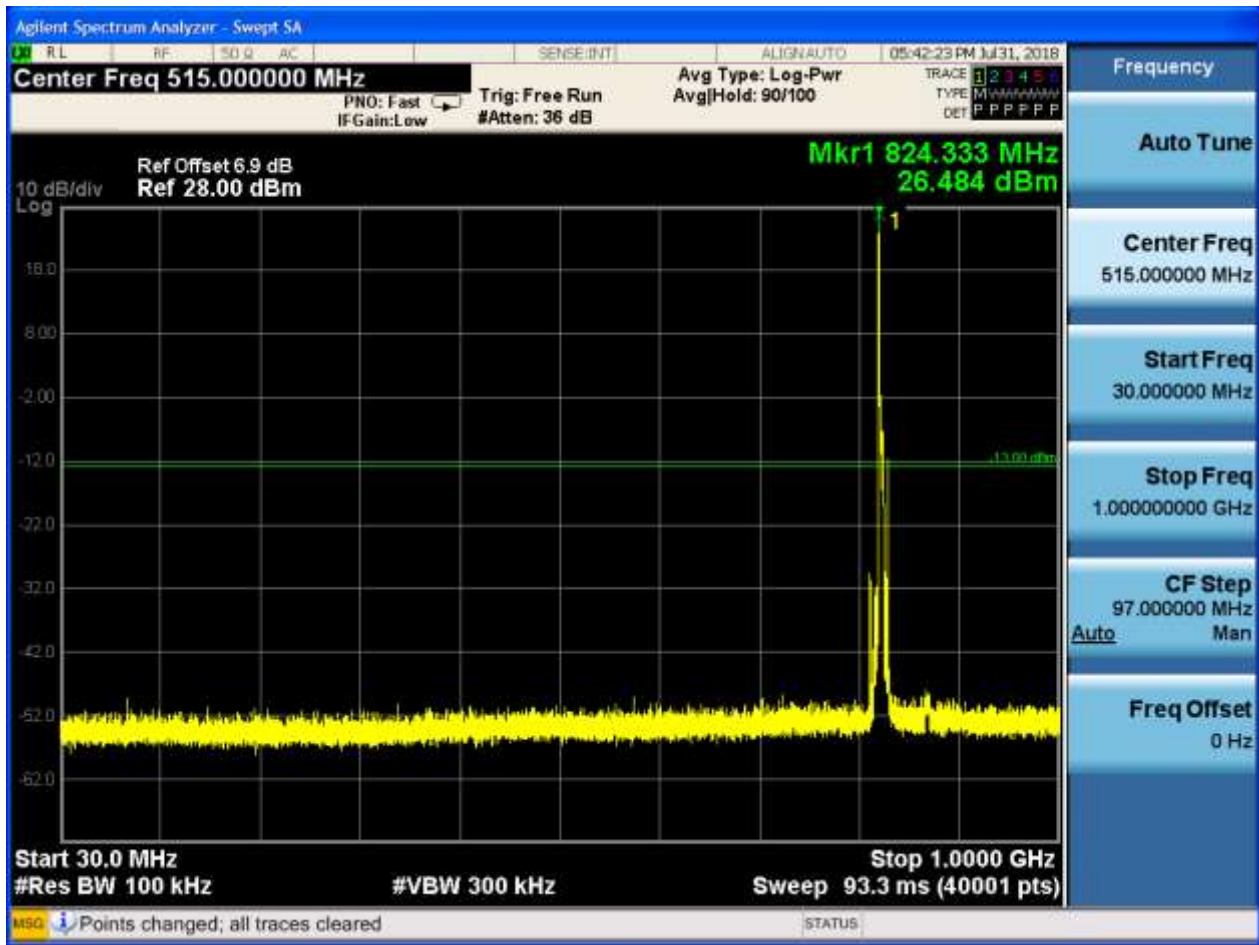
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0







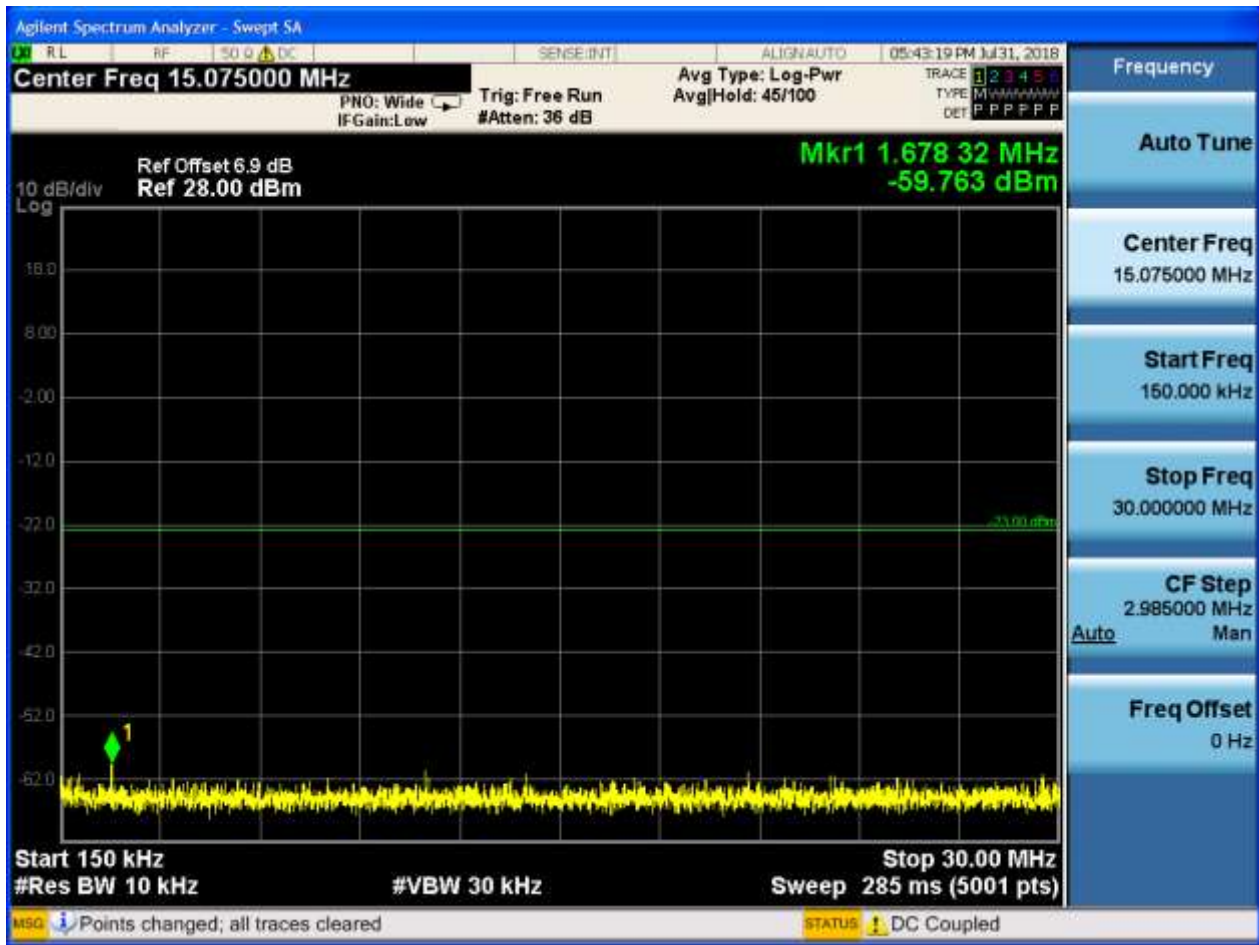


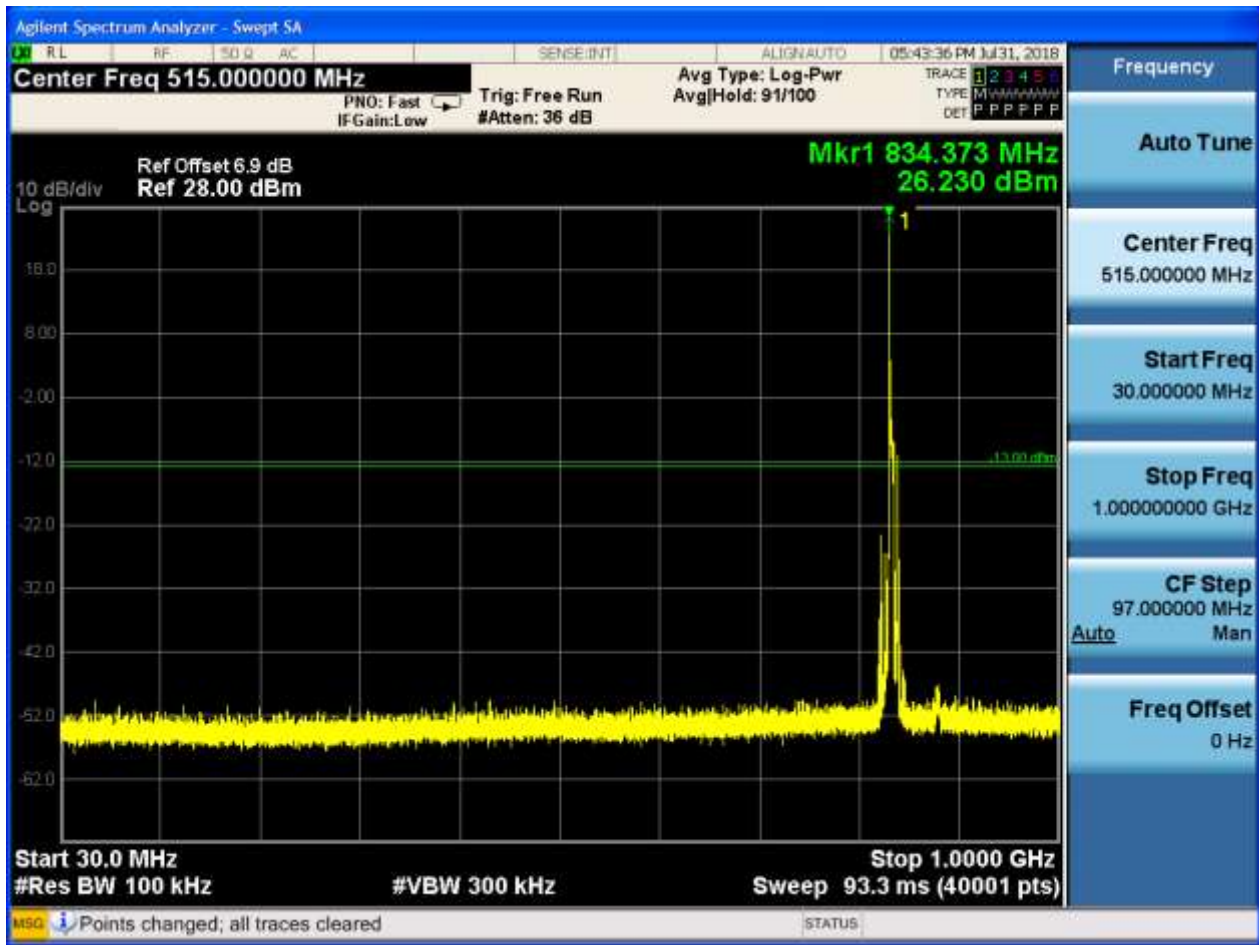


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





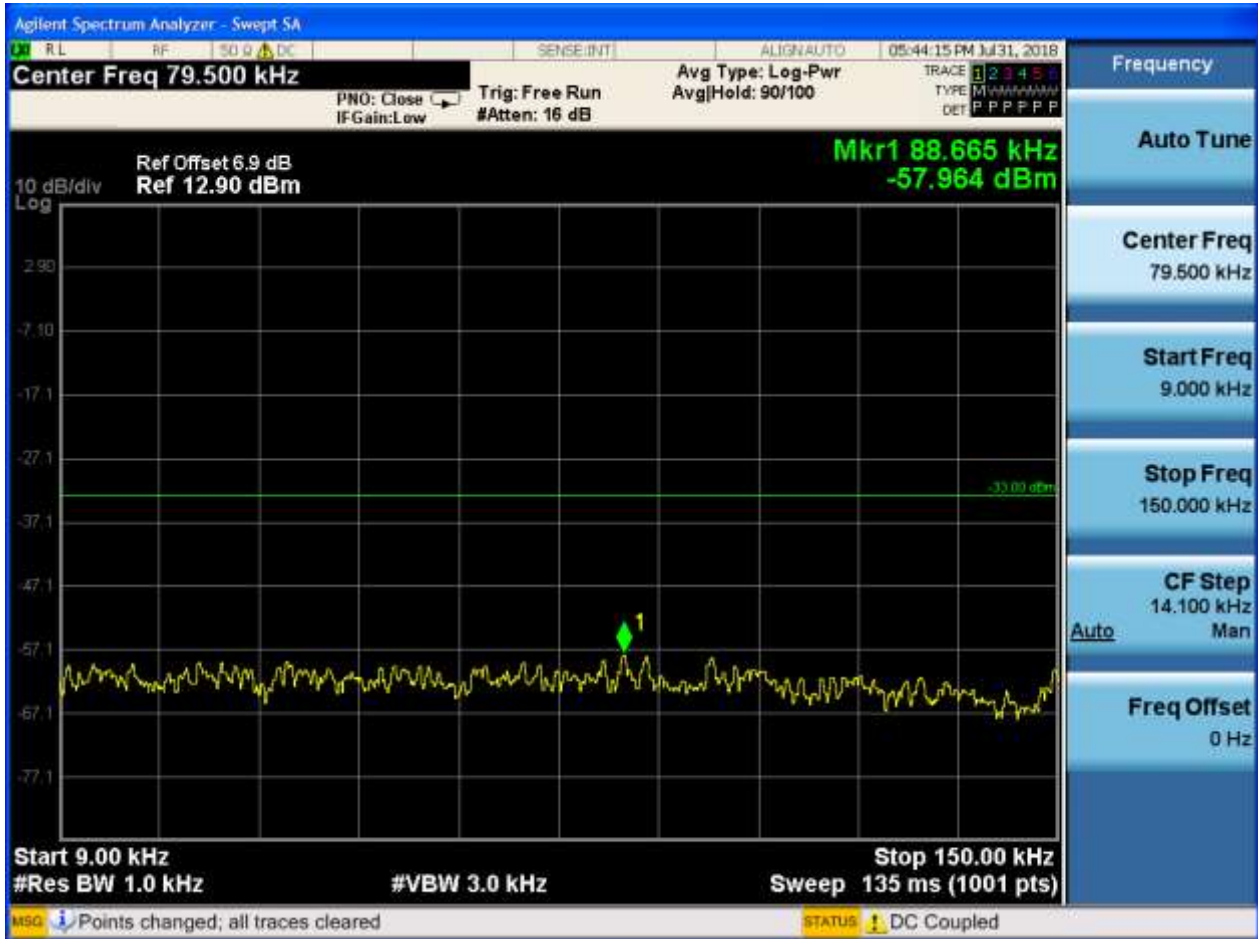




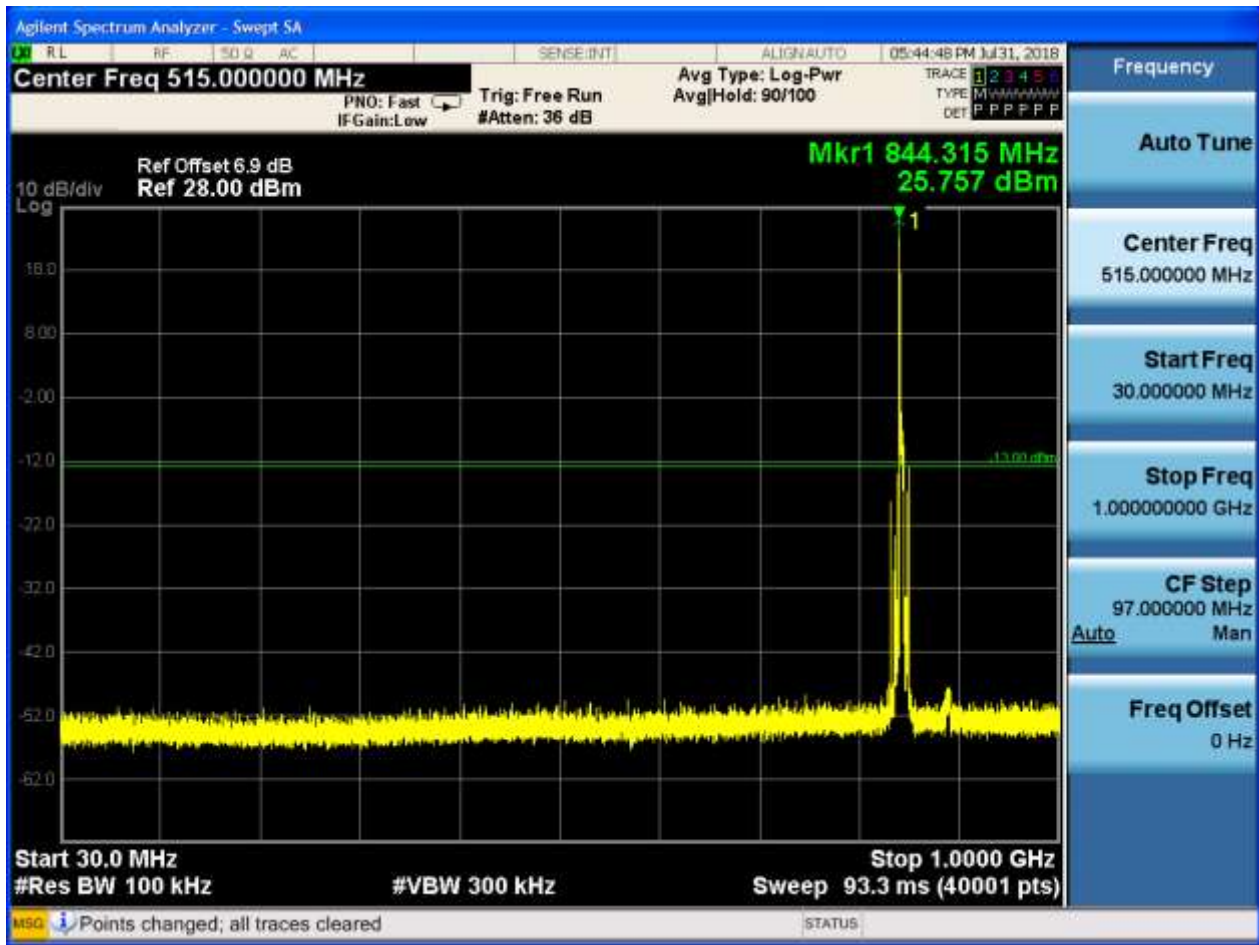


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







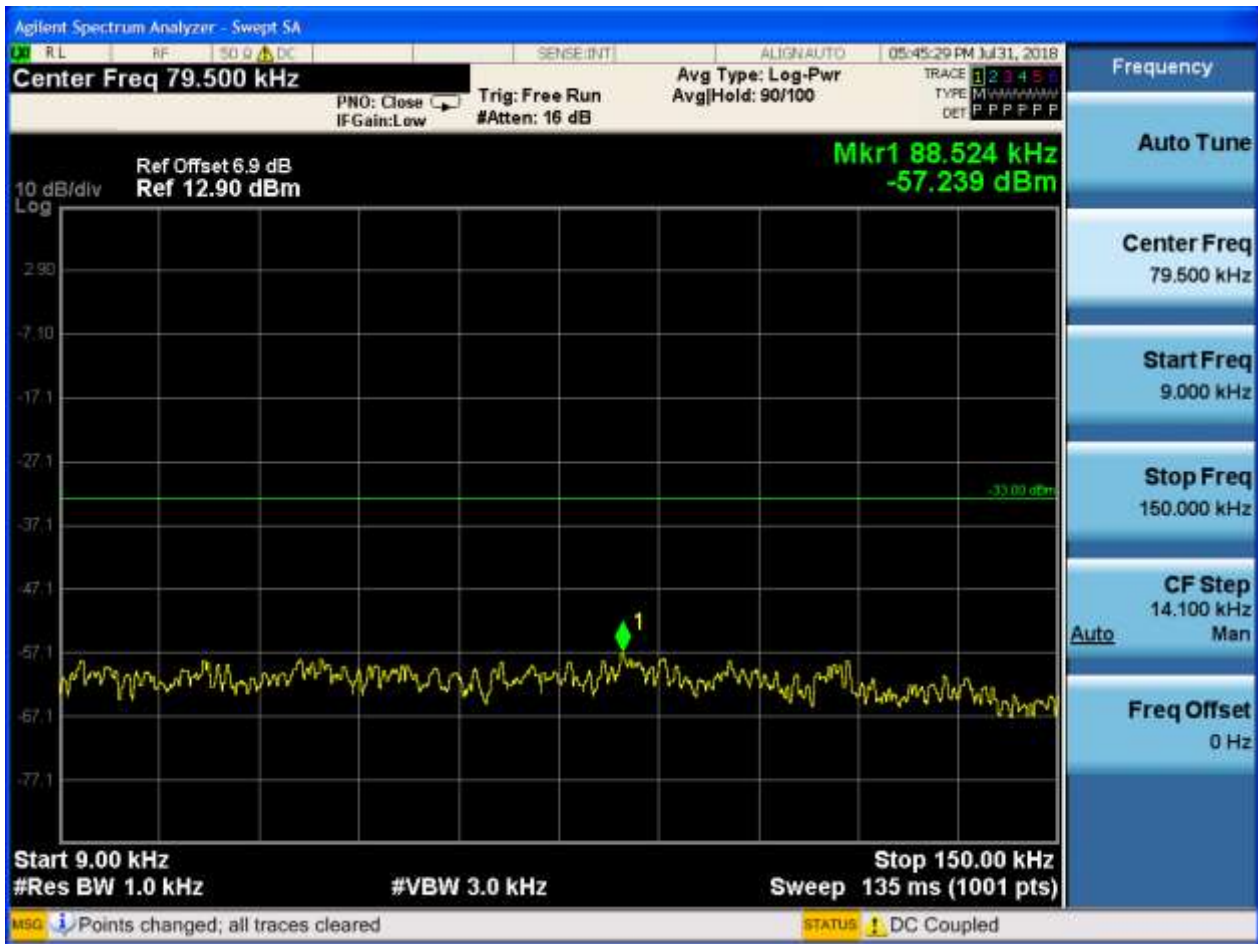


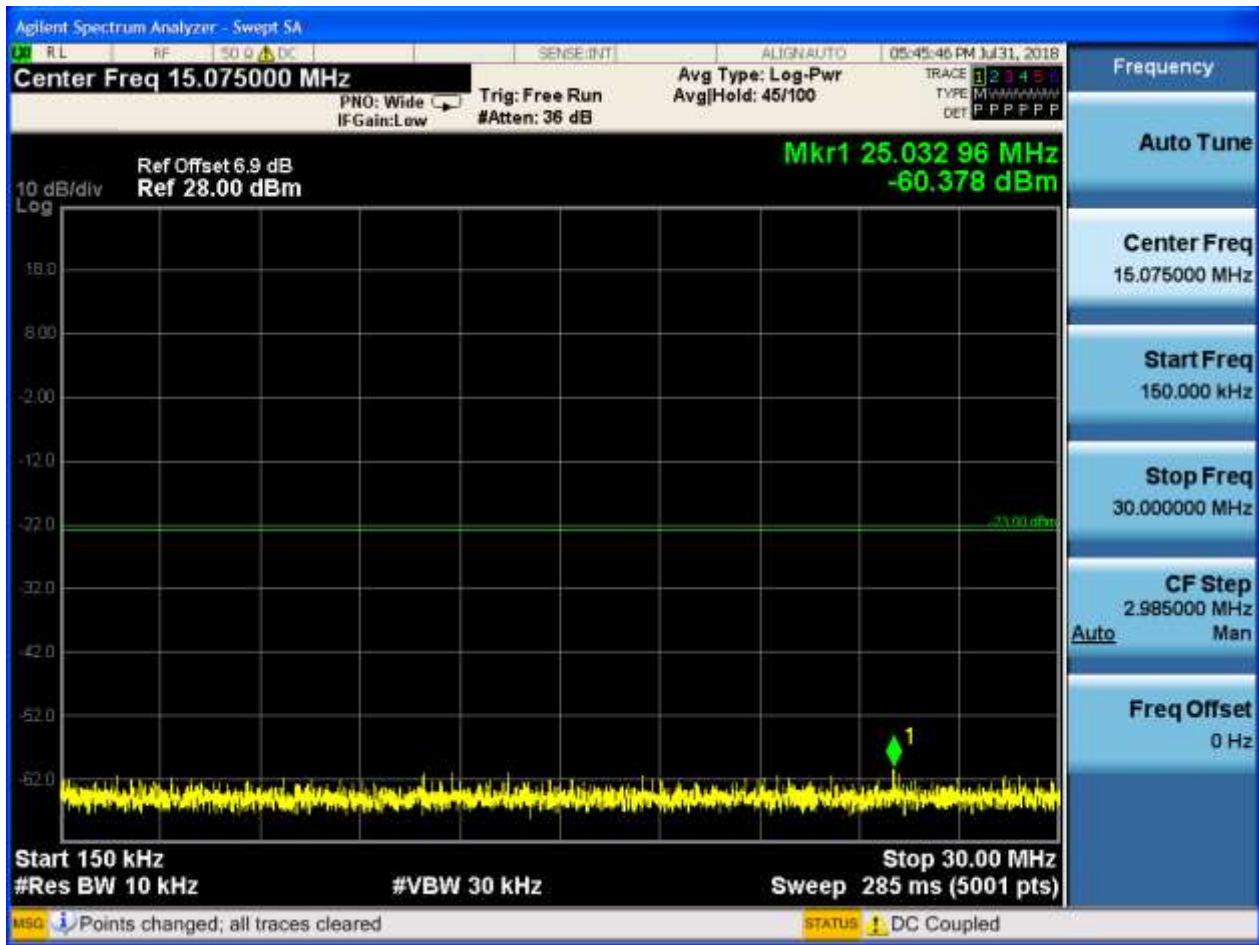


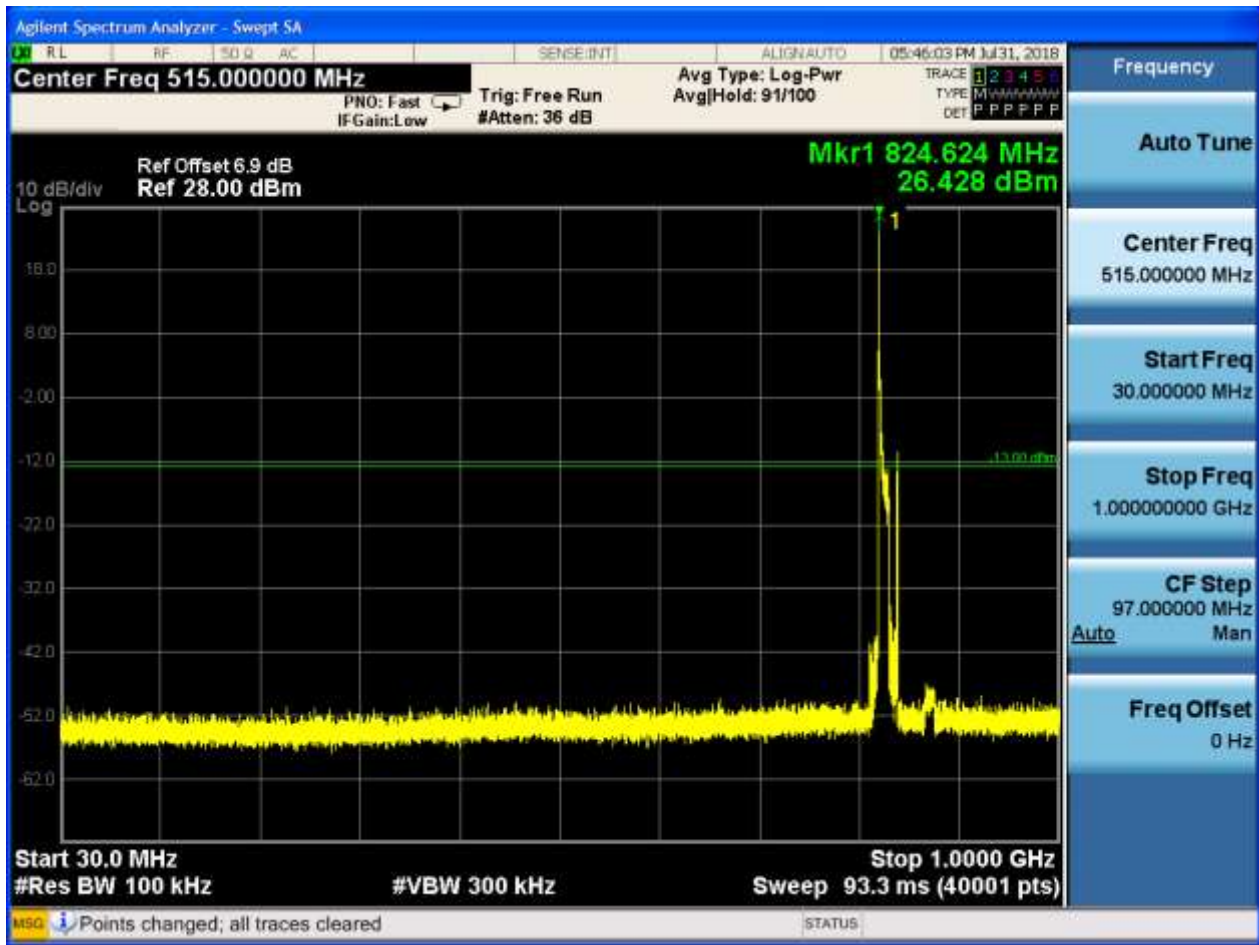
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0









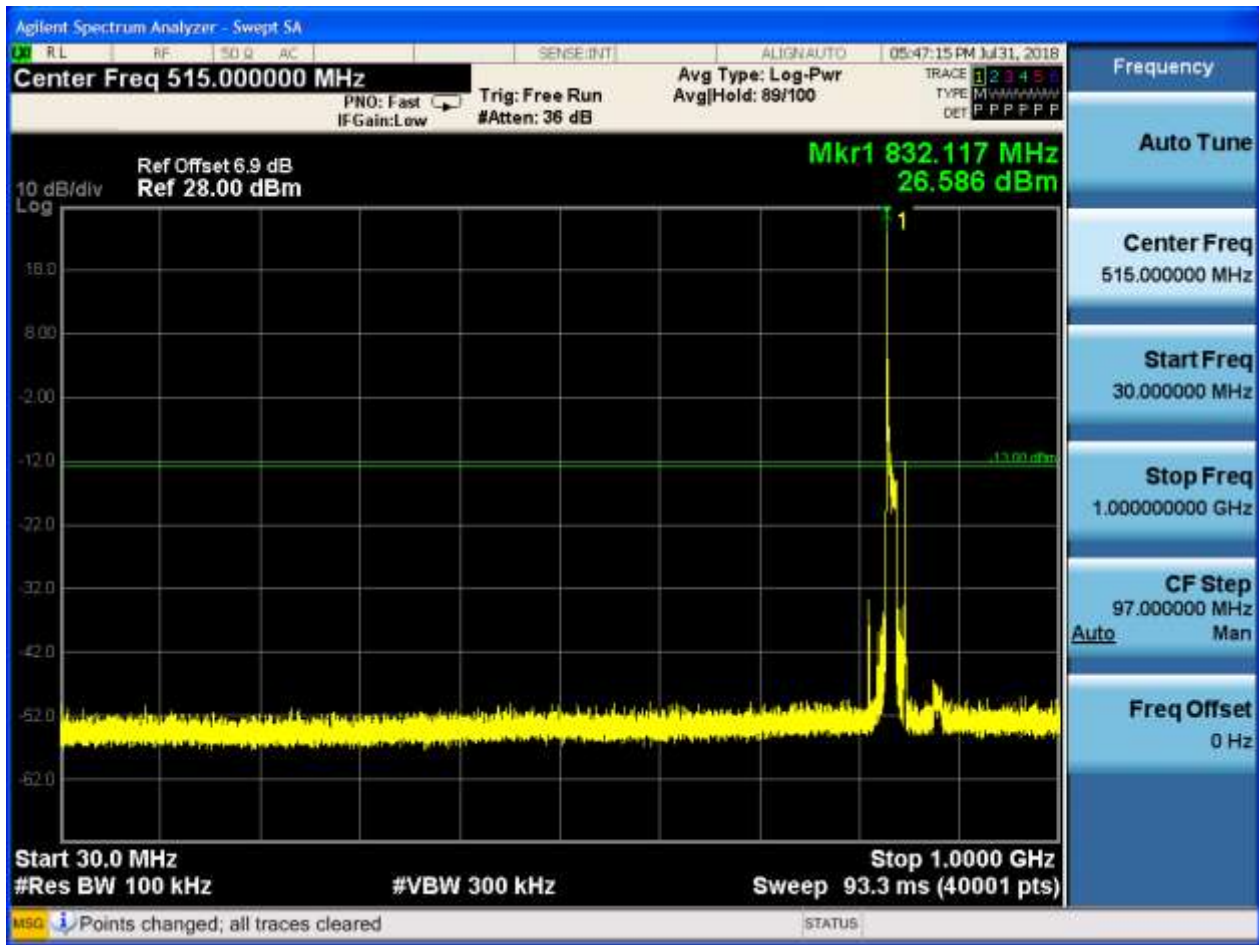


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0







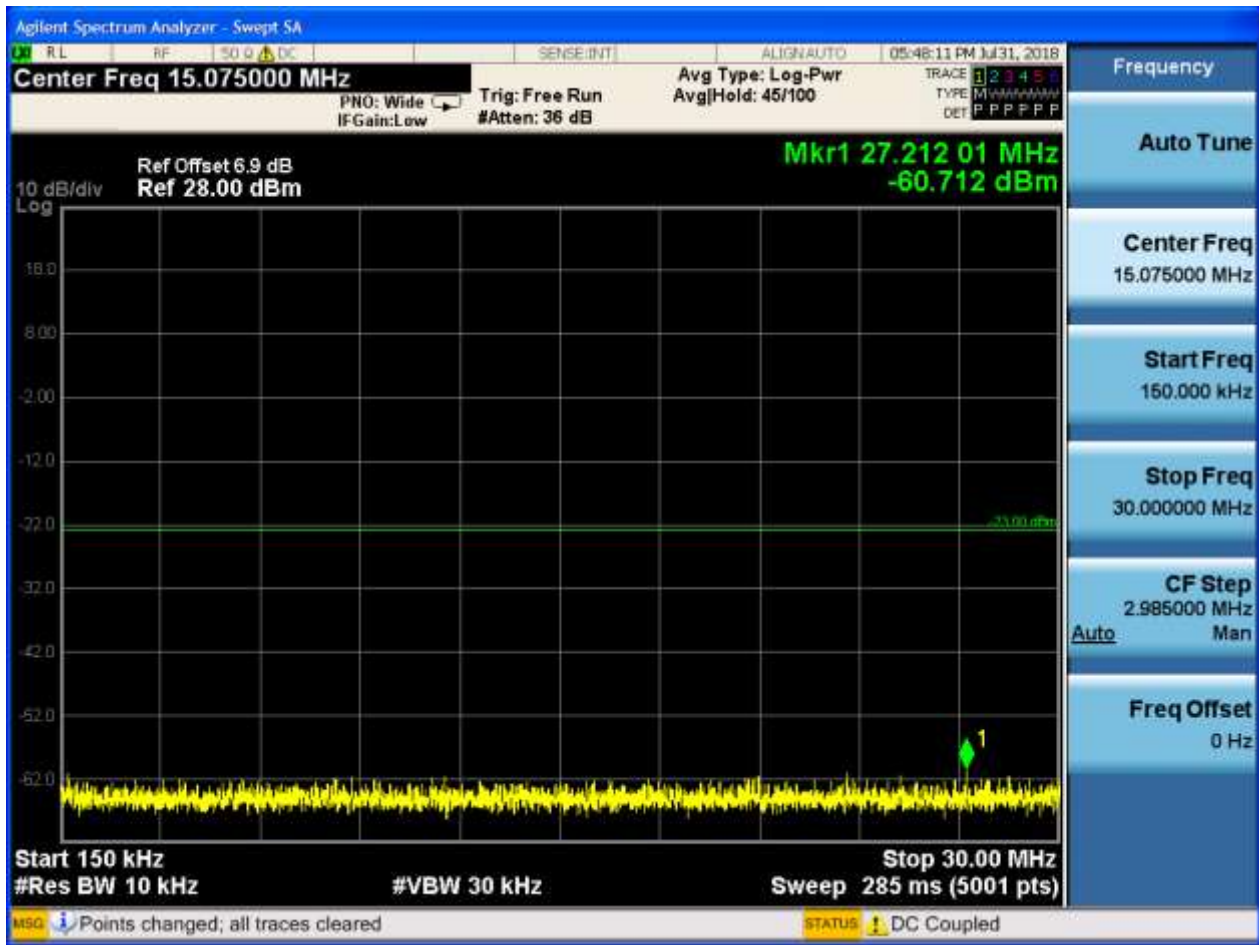


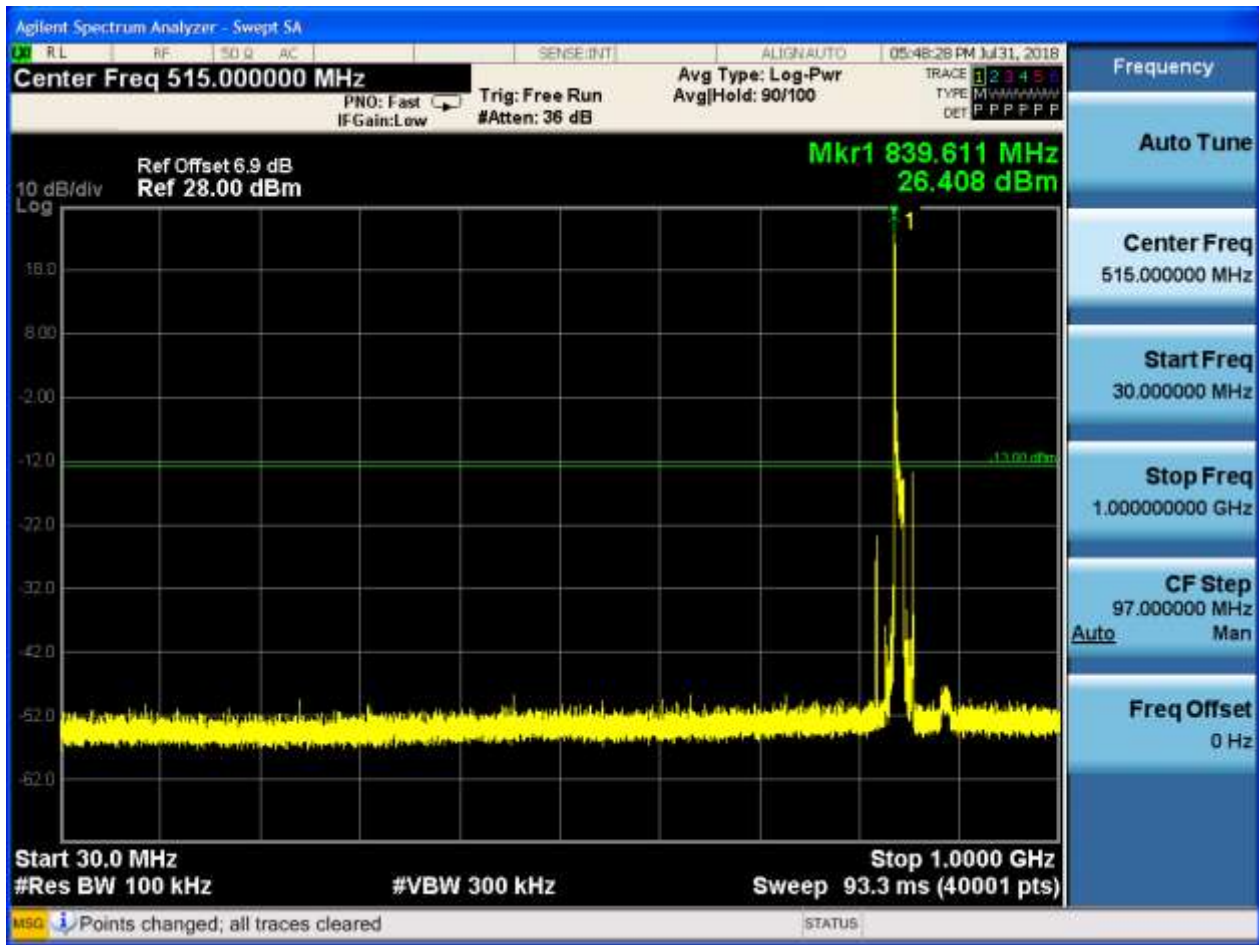


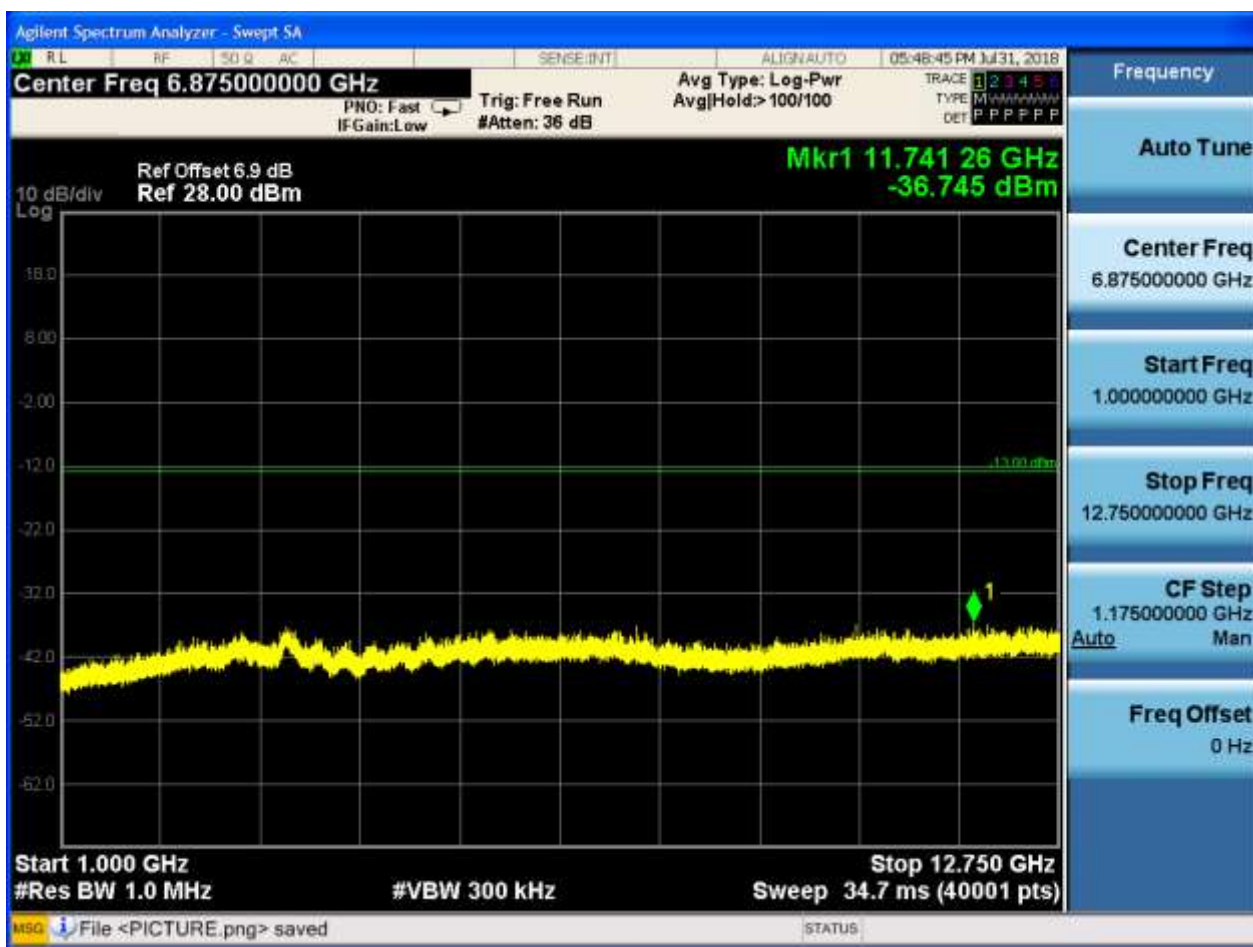
6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0









7Appendix_G: 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
BAND5	LTE/TM1	1.4	LCH	TN	VL	-0.34	-0.00041	PASS
					VN	-1.29	-0.00156	PASS
					VH	4.39	0.00532	PASS
			MCH	TN	VL	-2.09	-0.0025	PASS
					VN	-13.82	-0.01652	PASS
					VH	4.48	0.00536	PASS
			HCH	TN	VL	15.11	0.01781	PASS
					VN	4.39	0.00518	PASS
					VH	14.89	0.01755	PASS
		3	LCH	TN	VL	-2.15	-0.0026	PASS
					VN	-0.03	-0.00004	PASS
					VH	2.89	0.0035	PASS
			MCH	TN	VL	-5.08	-0.00607	PASS
					VN	0.30	0.00036	PASS
					VH	3.33	0.00398	PASS
			HCH	TN	VL	-2.30	-0.00271	PASS
					VN	-4.12	-0.00486	PASS
					VH	15.16	0.01789	PASS
		5	LCH	TN	VL	-2.76	-0.00334	PASS
					VN	-2.15	-0.0026	PASS
					VH	-2.37	-0.00287	PASS
			MCH	TN	VL	2.23	0.00267	PASS
					VN	-1.27	-0.00152	PASS
					VH	1.23	0.00147	PASS
			HCH	TN	VL	-7.67	-0.00906	PASS
					VN	-1.83	-0.00216	PASS
					VH	-6.34	-0.00749	PASS
		10	LCH	TN	VL	3.65	0.0044	PASS
					VN	2.63	0.00317	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2			TN	VH	3.48	0.0042	PASS
					VL	2.90	0.00347	PASS
					VN	5.34	0.00638	PASS
			MCH	TN	VH	7.12	0.00851	PASS
					VL	-0.36	-0.00043	PASS
					VN	-1.47	-0.00174	PASS
			HCH	TN	VH	-2.98	-0.00353	PASS
					VL	-1.92	-0.00233	PASS
					VN	0.79	0.00096	PASS
		1.4	LCH	TN	VH	-2.98	-0.00361	PASS
					VL	-14.18	-0.01695	PASS
					VN	9.81	0.01173	PASS
			MCH	TN	VH	1.10	0.00132	PASS
					VL	-17.78	-0.02096	PASS
					VN	10.23	0.01206	PASS
			HCH	TN	VH	-10.91	-0.01286	PASS
					VL	2.39	0.0029	PASS
					VN	-0.46	-0.00056	PASS
		3	LCH	TN	VH	1.57	0.0019	PASS
					VL	-9.30	-0.01112	PASS
					VN	-11.04	-0.0132	PASS
			MCH	TN	VH	-1.20	-0.00143	PASS
					VL	-5.87	-0.00693	PASS
					VN	3.29	0.00388	PASS
			HCH	TN	VH	4.61	0.00544	PASS
					VL	-1.90	-0.0023	PASS
					VN	-2.07	-0.0025	PASS
		5	LCH	TN	VH	-0.44	-0.00053	PASS
					VL	-2.90	-0.00347	PASS
					VN	-3.33	-0.00398	PASS
			MCH	TN	VH	5.75	0.00687	PASS
					VL	-3.58	-0.00423	PASS
					VN	0.80	0.00095	PASS
			HCH	TN	VH	1.30	0.00154	PASS
					VL	3.15	0.0038	PASS
					VN	8.94	0.01078	PASS
		10	LCH	TN	VH	3.09	0.00373	PASS
					VL	0.94	0.00112	PASS
					VN	-1.43	-0.00171	PASS
			MCH	TN	VN	-1.43	-0.00171	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VH	0.21	0.00025	PASS
					VL	0.99	0.00117	PASS
					VN	-0.57	-0.00068	PASS
					VH	-1.97	-0.00233	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	-0.31	-0.00038	PASS
					-20	6.58	0.00798	PASS
					-10	-5.74	-0.00696	PASS
					0	-3.99	-0.00484	PASS
					10	-1.80	-0.00218	PASS
					20	-2.03	-0.00246	PASS
					30	-3.08	-0.00373	PASS
					40	1.90	0.0023	PASS
					50	-2.99	-0.00363	PASS
			MCH	VN	-30	13.80	0.0165	PASS
					-20	-25.82	-0.03087	PASS
					-10	-1.96	-0.00234	PASS
					0	-4.99	-0.00597	PASS
					10	-3.32	-0.00397	PASS
					20	-14.73	-0.01761	PASS
					30	-2.76	-0.0033	PASS
					40	6.95	0.00831	PASS
					50	-14.09	-0.01684	PASS
			HCH	VN	-30	-6.04	-0.00712	PASS
					-20	-0.97	-0.00114	PASS
					-10	3.38	0.00398	PASS
					0	5.08	0.00599	PASS
					10	-16.64	-0.01962	PASS
					20	8.34	0.00983	PASS
					30	13.40	0.0158	PASS
					40	-17.40	-0.02051	PASS
					50	12.86	0.01516	PASS
		3	LCH	VN	-30	2.47	0.00299	PASS
					-20	-2.42	-0.00293	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-3.16	-0.00383	PASS
					0	-1.85	-0.00224	PASS
					10	-0.04	-0.00005	PASS
					20	-2.85	-0.00345	PASS
					30	-1.54	-0.00187	PASS
					40	-1.39	-0.00168	PASS
					50	0.72	0.00087	PASS
			MCH	VN	-30	1.62	0.00194	PASS
					-20	4.31	0.00515	PASS
					-10	-4.25	-0.00508	PASS
					0	1.30	0.00155	PASS
					10	-15.11	-0.01806	PASS
					20	-7.61	-0.0091	PASS
					30	-0.11	-0.00013	PASS
					40	31.57	0.03774	PASS
					50	-8.45	-0.0101	PASS
			HCH	VN	-30	5.28	0.00623	PASS
					-20	-4.18	-0.00493	PASS
					-10	-2.89	-0.00341	PASS
					0	0.23	0.00027	PASS
					10	0.93	0.0011	PASS
					20	-2.46	-0.0029	PASS
					30	4.65	0.00549	PASS
					40	2.99	0.00353	PASS
					50	-5.66	-0.00668	PASS
		5	LCH	VN	-30	-3.28	-0.00397	PASS
					-20	-2.07	-0.0025	PASS
					-10	-0.33	-0.0004	PASS
					0	1.46	0.00177	PASS
					10	-0.21	-0.00025	PASS
					20	0.70	0.00085	PASS
					30	0.57	0.00069	PASS
					40	-1.20	-0.00145	PASS
					50	-2.32	-0.00281	PASS
			MCH	VN	-30	1.16	0.00139	PASS
					-20	3.48	0.00416	PASS
					-10	-6.08	-0.00727	PASS
					0	-1.42	-0.0017	PASS
					10	1.60	0.00191	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-4.08	-0.00488	PASS
					30	2.88	0.00344	PASS
					40	-3.88	-0.00464	PASS
					50	2.73	0.00326	PASS
			HCH	VN	-30	-3.08	-0.00364	PASS
					-20	4.42	0.00522	PASS
					-10	0.60	0.00071	PASS
					0	-4.23	-0.005	PASS
					10	4.03	0.00476	PASS
					20	10.74	0.01269	PASS
					30	-0.26	-0.00031	PASS
					40	5.14	0.00607	PASS
					50	-1.87	-0.00221	PASS
		10	LCH	VN	-30	-1.30	-0.00157	PASS
					-20	-1.54	-0.00186	PASS
					-10	-5.58	-0.00673	PASS
					0	-4.31	-0.0052	PASS
					10	-0.17	-0.00021	PASS
					20	-1.32	-0.00159	PASS
					30	-3.32	-0.004	PASS
					40	4.12	0.00497	PASS
					50	-2.15	-0.00259	PASS
			MCH	VN	-30	0.19	0.00023	PASS
					-20	-5.09	-0.00608	PASS
					-10	0.29	0.00035	PASS
					0	-9.01	-0.01077	PASS
					10	-0.10	-0.00012	PASS
					20	4.16	0.00497	PASS
					30	0.01	0.00001	PASS
					40	-2.56	-0.00306	PASS
					50	-1.56	-0.00186	PASS
			HCH	VN	-30	-0.56	-0.00066	PASS
					-20	-1.63	-0.00193	PASS
					-10	-1.66	-0.00197	PASS
					0	-0.23	-0.00027	PASS
					10	-0.11	-0.00013	PASS
					20	-0.33	-0.00039	PASS
					30	0.92	0.00109	PASS
					40	-1.03	-0.00122	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	-1.23	-0.00146	PASS
					-30	-2.29	-0.00278	PASS
					-20	-8.61	-0.01044	PASS
					-10	-1.63	-0.00198	PASS
					0	-4.62	-0.0056	PASS
					10	-7.61	-0.00923	PASS
					20	-0.13	-0.00016	PASS
					30	-3.06	-0.00371	PASS
					40	3.23	0.00392	PASS
					50	0.84	0.00102	PASS
			MCH	VN	-30	7.50	0.00897	PASS
					-20	0.82	0.00098	PASS
					-10	6.18	0.00739	PASS
					0	-0.69	-0.00082	PASS
					10	-15.52	-0.01855	PASS
					20	-16.35	-0.01955	PASS
					30	-11.14	-0.01332	PASS
					40	-2.12	-0.00253	PASS
					50	-0.67	-0.0008	PASS
			HCH	VN	-30	4.19	0.00494	PASS
					-20	3.08	0.00363	PASS
					-10	18.83	0.0222	PASS
					0	7.57	0.00892	PASS
					10	-2.20	-0.00259	PASS
					20	22.82	0.0269	PASS
					30	8.70	0.01026	PASS
					40	11.03	0.013	PASS
					50	-8.70	-0.01026	PASS
		3	LCH	VN	-30	-0.90	-0.00109	PASS
					-20	-1.46	-0.00177	PASS
					-10	2.69	0.00326	PASS
					0	2.15	0.0026	PASS
					10	2.53	0.00306	PASS
					20	2.43	0.00294	PASS
					30	-0.01	-0.00001	PASS
					40	2.65	0.00321	PASS
					50	1.36	0.00165	PASS
			MCH	VN	-30	-3.25	-0.00389	PASS
					-20	-5.09	-0.00608	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	10.21	0.01221	PASS
					0	-10.61	-0.01268	PASS
					10	2.82	0.00337	PASS
					20	7.68	0.00918	PASS
					30	9.00	0.01076	PASS
					40	9.51	0.01137	PASS
					50	-12.50	-0.01494	PASS
			HCH	VN	-30	-33.39	-0.0394	PASS
					-20	10.59	0.0125	PASS
					-10	-7.48	-0.00883	PASS
					0	9.44	0.01114	PASS
					10	1.42	0.00168	PASS
					20	-3.22	-0.0038	PASS
					30	-0.07	-0.00008	PASS
					40	2.36	0.00278	PASS
					50	13.19	0.01556	PASS
		5	LCH	VN	-30	-0.96	-0.00116	PASS
					-20	-0.69	-0.00083	PASS
					-10	0.00	0	PASS
					0	0.99	0.0012	PASS
					10	-2.13	-0.00258	PASS
					20	-0.20	-0.00024	PASS
					30	-0.80	-0.00097	PASS
					40	0.89	0.00108	PASS
					50	0.07	0.00008	PASS
			MCH	VN	-30	-2.68	-0.0032	PASS
					-20	-3.28	-0.00392	PASS
					-10	-3.71	-0.00444	PASS
					0	2.83	0.00338	PASS
					10	-2.62	-0.00313	PASS
					20	-1.17	-0.0014	PASS
					30	-3.79	-0.00453	PASS
					40	-3.49	-0.00417	PASS
					50	-5.89	-0.00704	PASS
			HCH	VN	-30	5.16	0.0061	PASS
					-20	10.44	0.01233	PASS
					-10	-0.01	-0.00001	PASS
					0	-0.53	-0.00063	PASS
					10	3.09	0.00365	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	5.12	0.00605	PASS
					30	-2.33	-0.00275	PASS
					40	28.30	0.03343	PASS
					50	4.39	0.00519	PASS
		10	LCH	VN	-30	-3.05	-0.00368	PASS
					-20	1.56	0.00188	PASS
					-10	3.68	0.00444	PASS
					0	3.92	0.00473	PASS
					10	2.82	0.0034	PASS
					20	0.87	0.00105	PASS
					30	0.49	0.00059	PASS
					40	2.36	0.00285	PASS
					50	1.63	0.00197	PASS
			MCH	VN	-30	0.49	0.00059	PASS
					-20	-0.93	-0.00111	PASS
					-10	-4.12	-0.00493	PASS
					0	-3.33	-0.00398	PASS
					10	1.43	0.00171	PASS
					20	-6.25	-0.00747	PASS
					30	-7.41	-0.00886	PASS
					40	-2.15	-0.00257	PASS
					50	-0.96	-0.00115	PASS
			HCH	VN	-30	0.00	-0.00153	PASS
					-20	-0.90	-0.00107	PASS
					-10	-0.60	-0.00071	PASS
					0	-0.36	-0.00043	PASS
					10	0.96	0.00114	PASS
					20	-0.37	-0.00044	PASS
					30	0.06	0.00007	PASS
					40	0.60	0.00071	PASS
					50	0.69	0.00082	PASS

END