

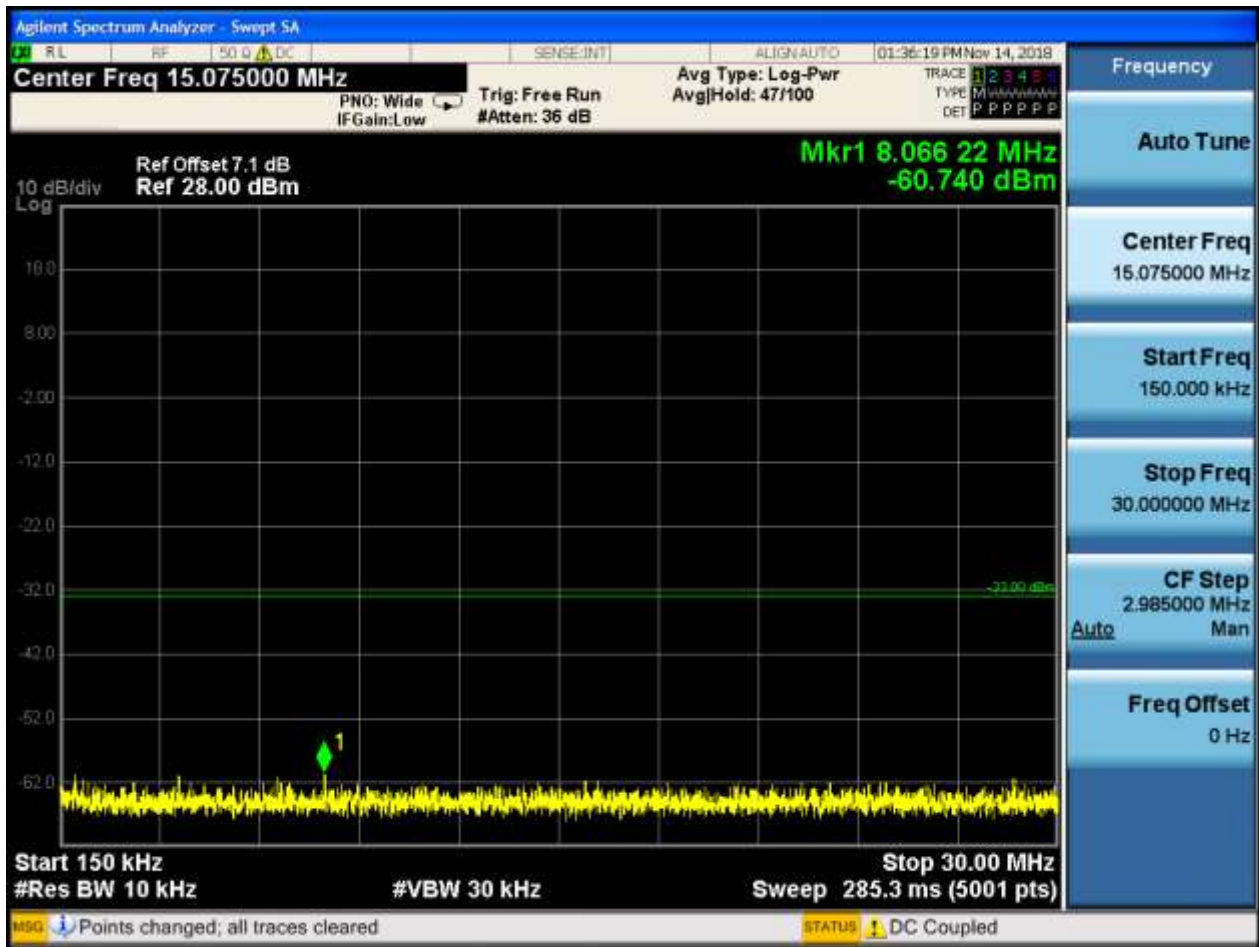


6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



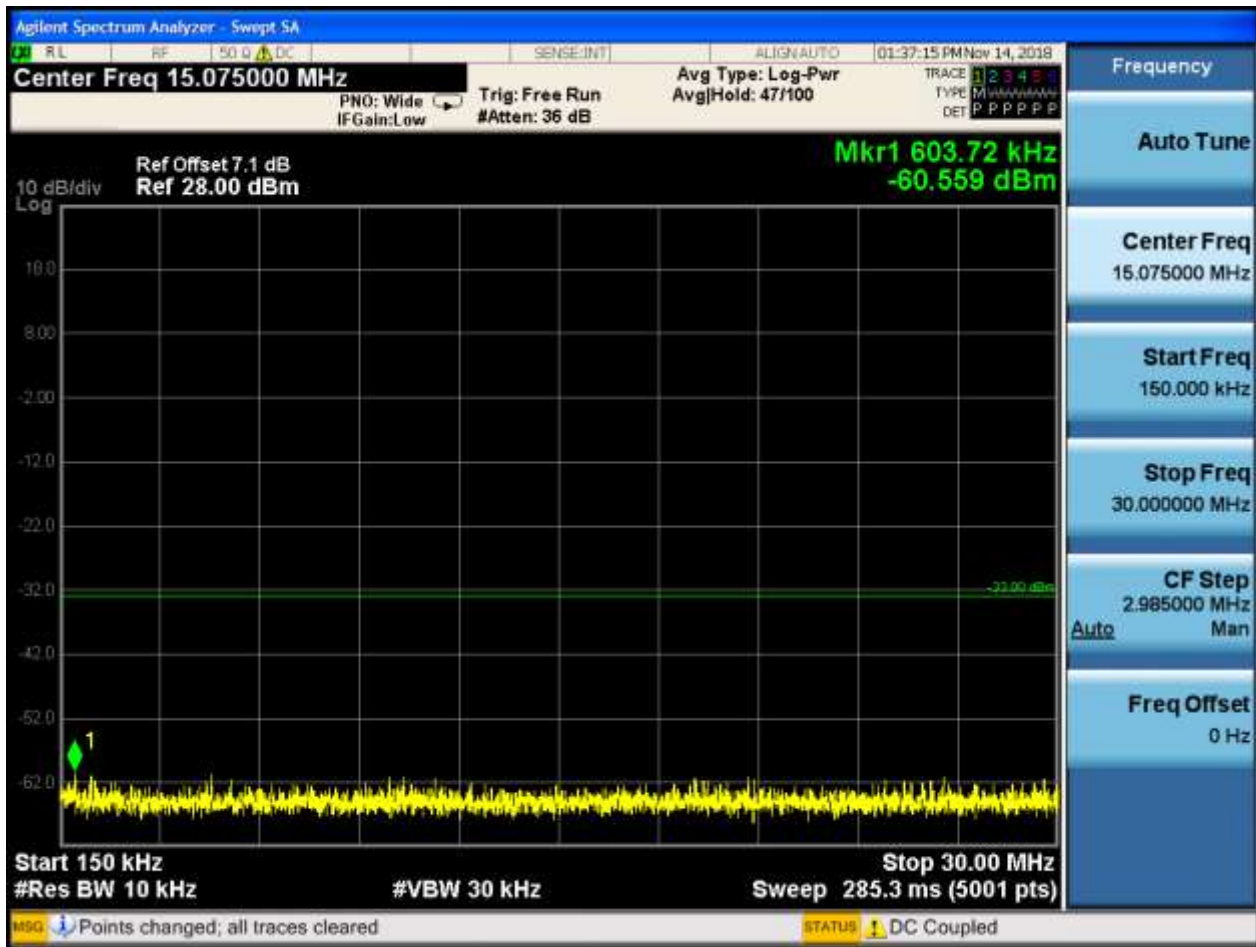




6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



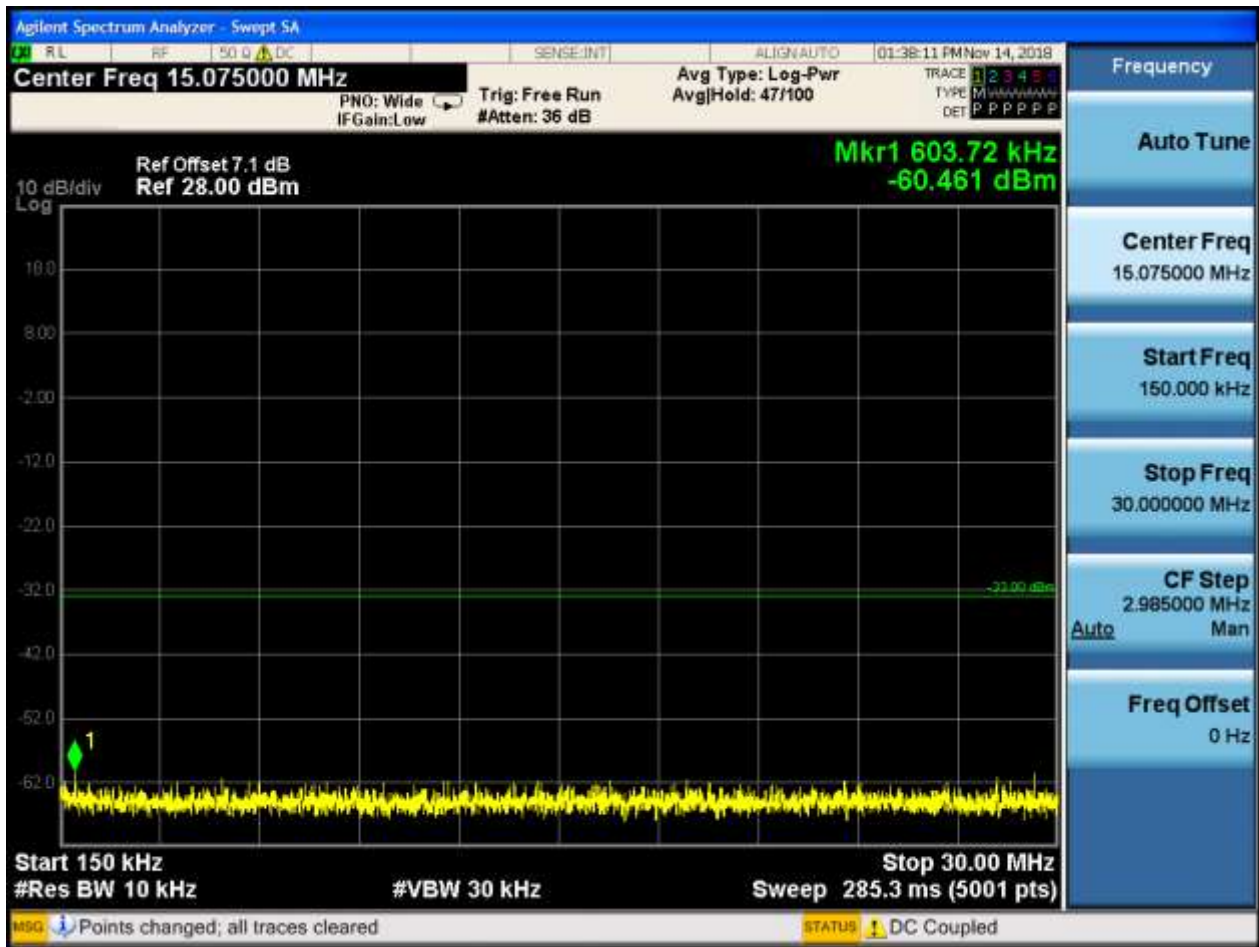




6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





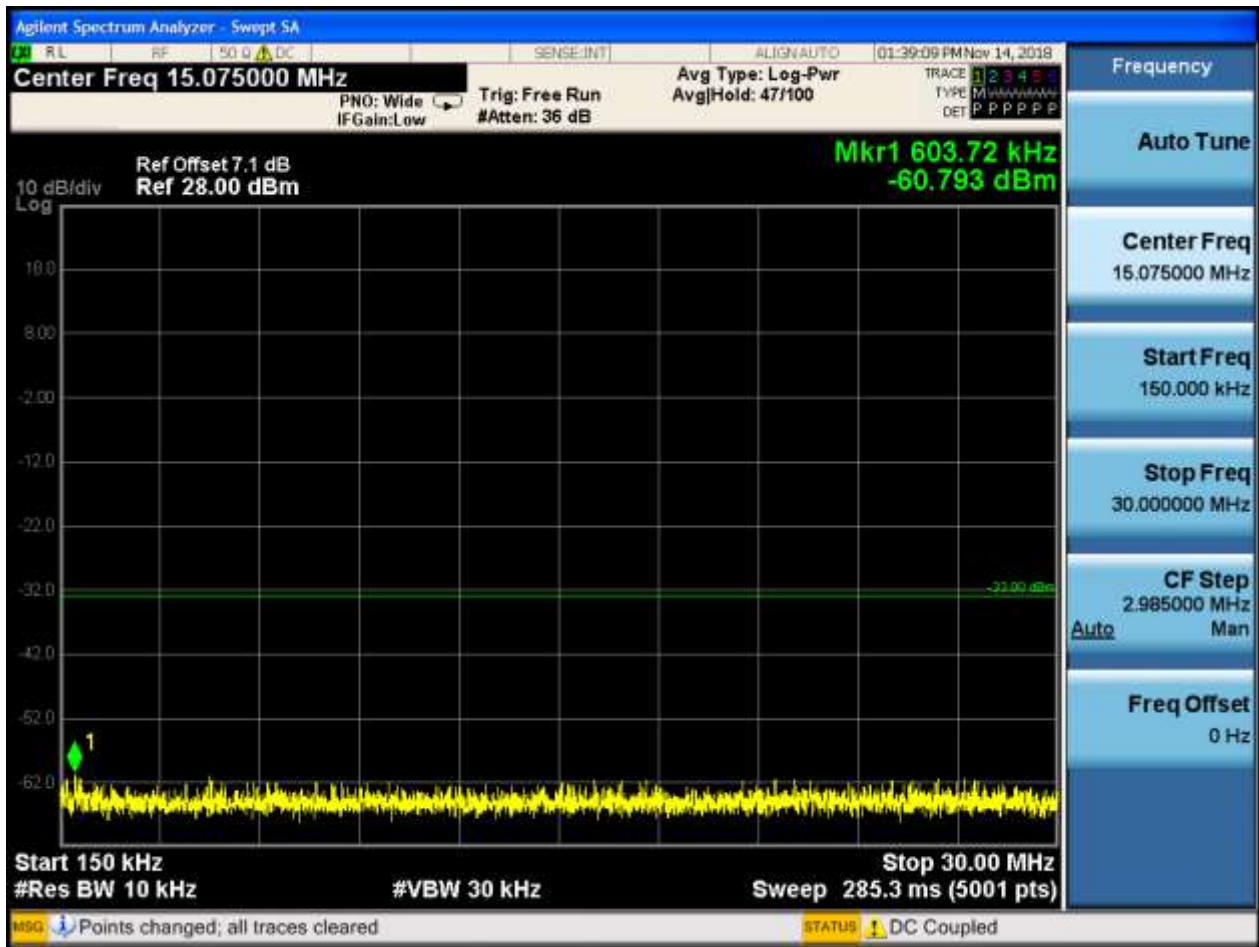


6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



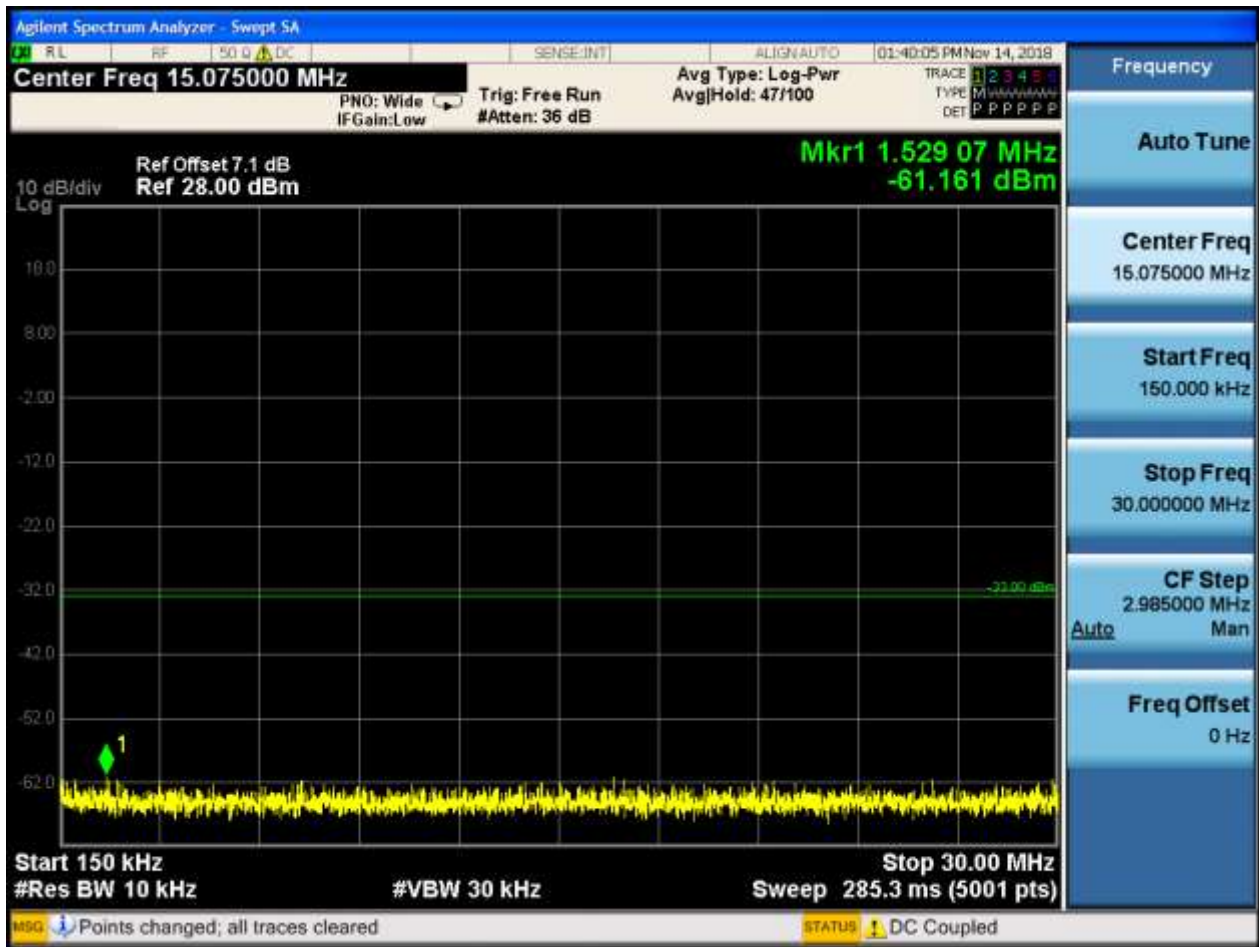




6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



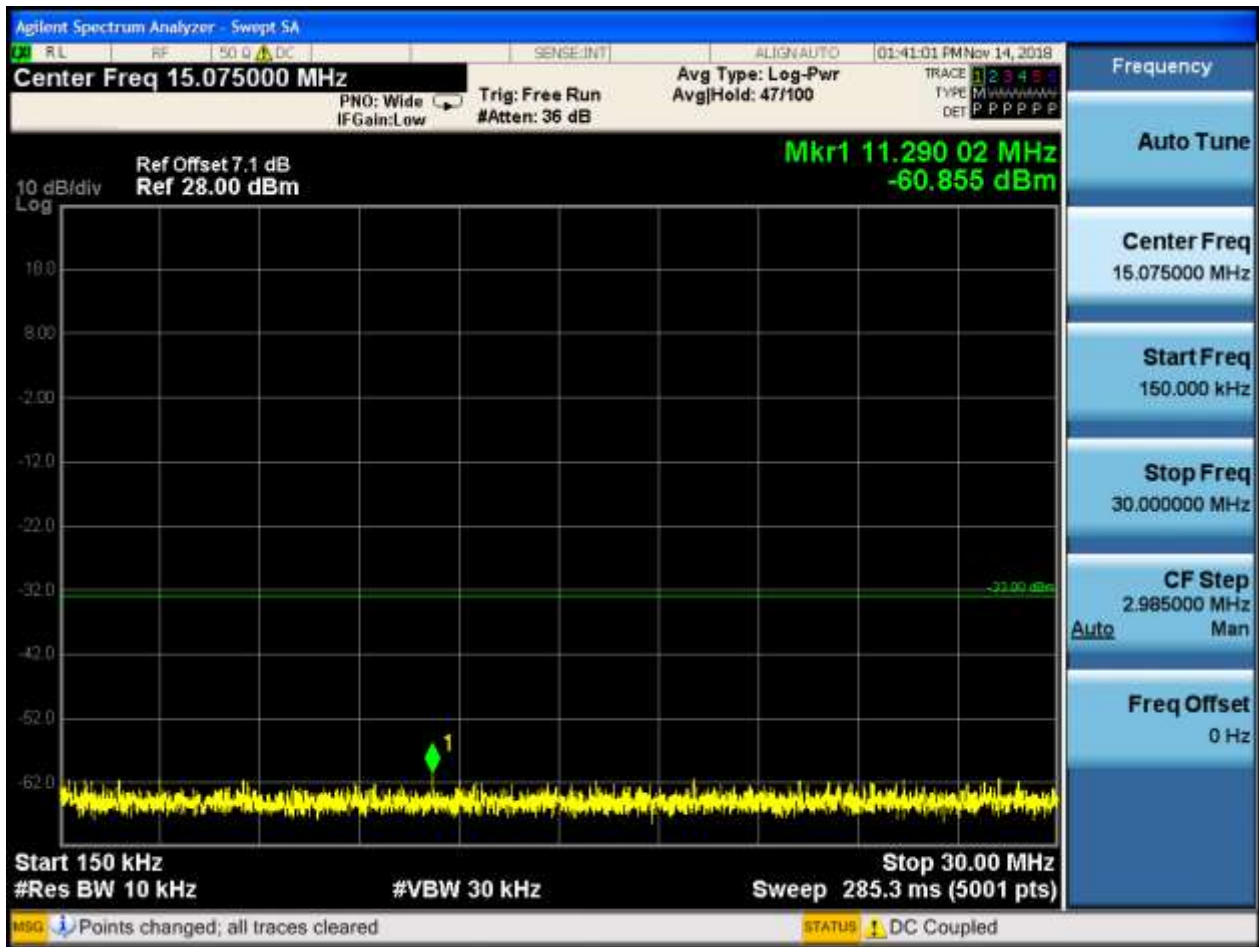




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





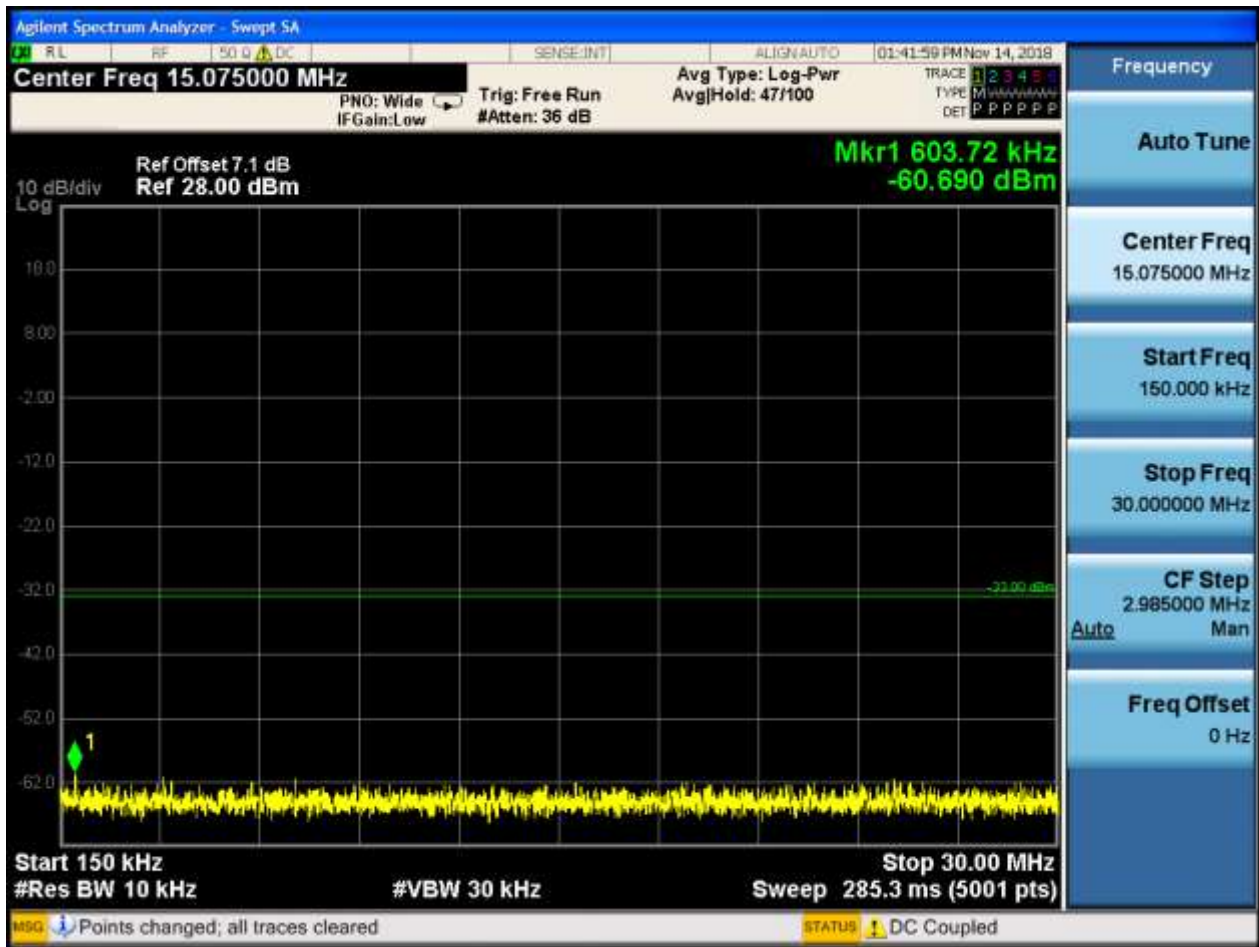


6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



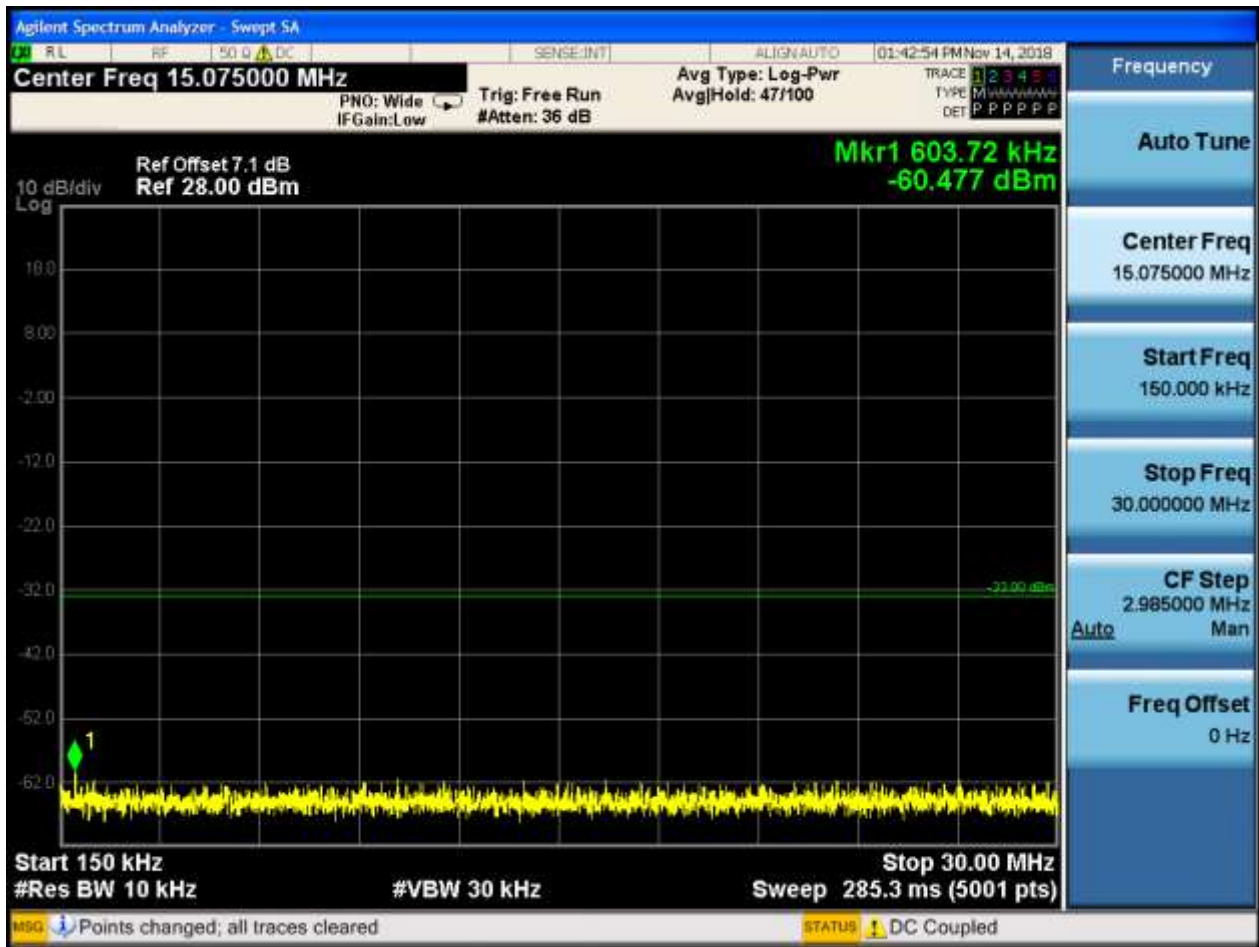




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



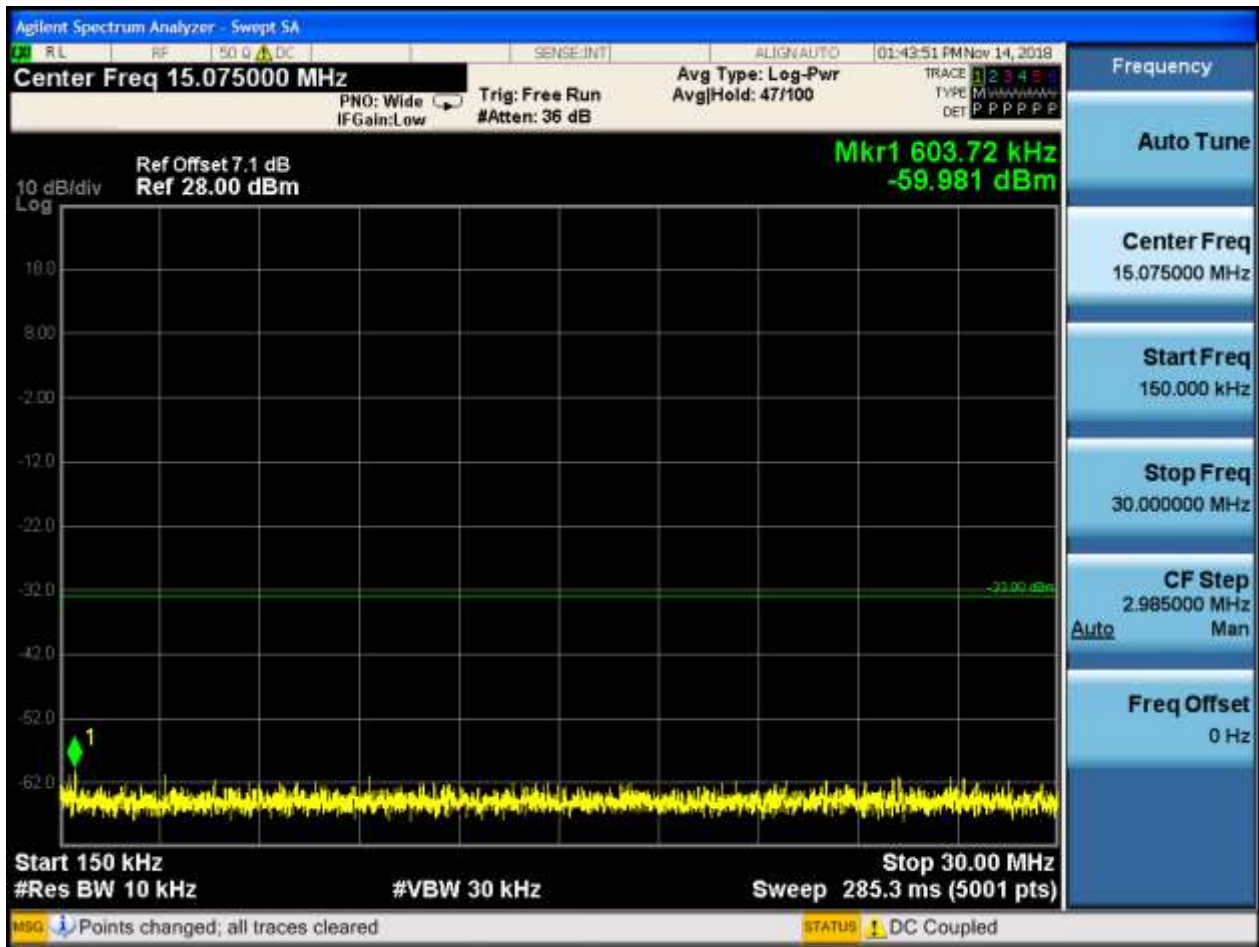




6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







6.1.1.2.5 Test Bandwidth = 15

6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0



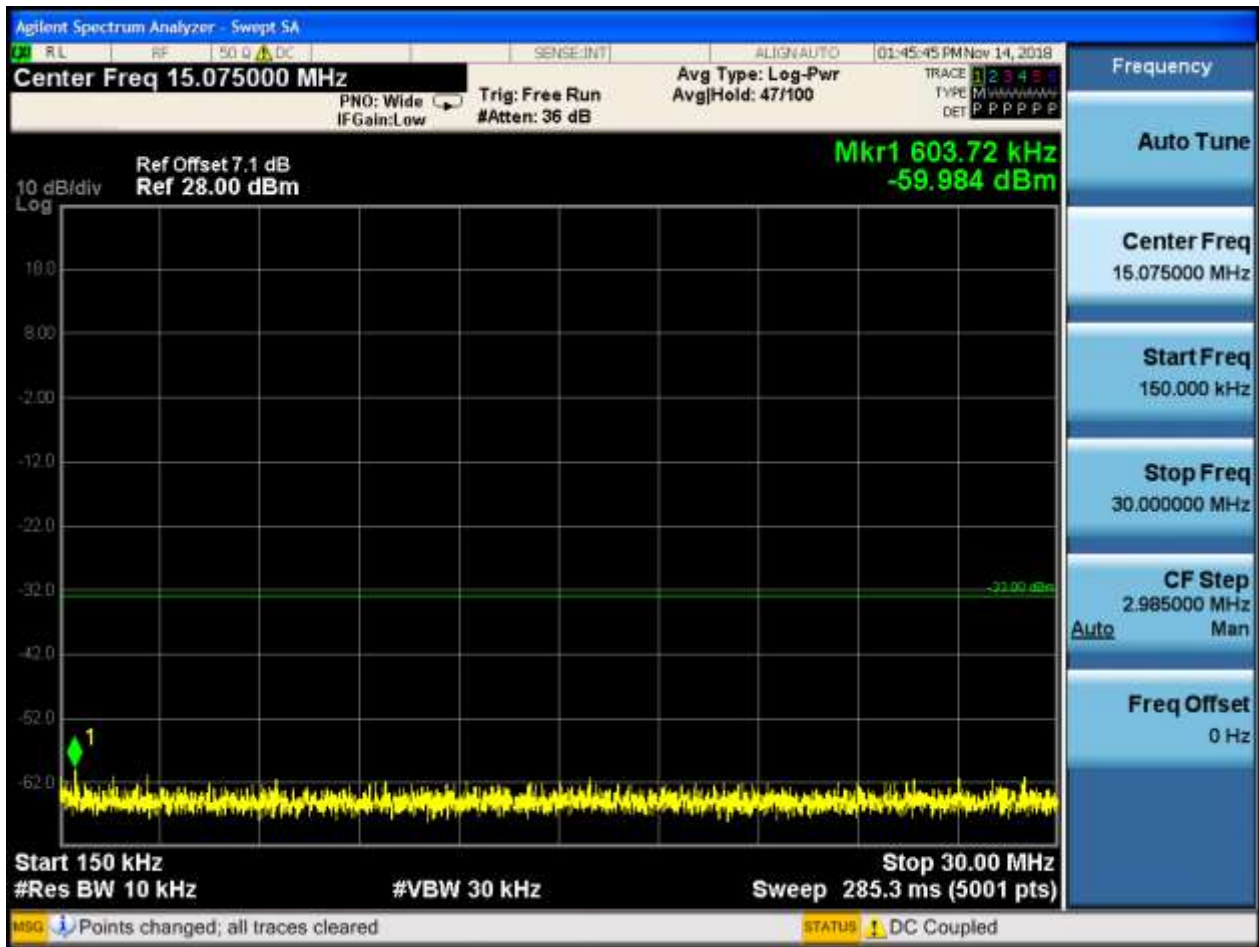




6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0



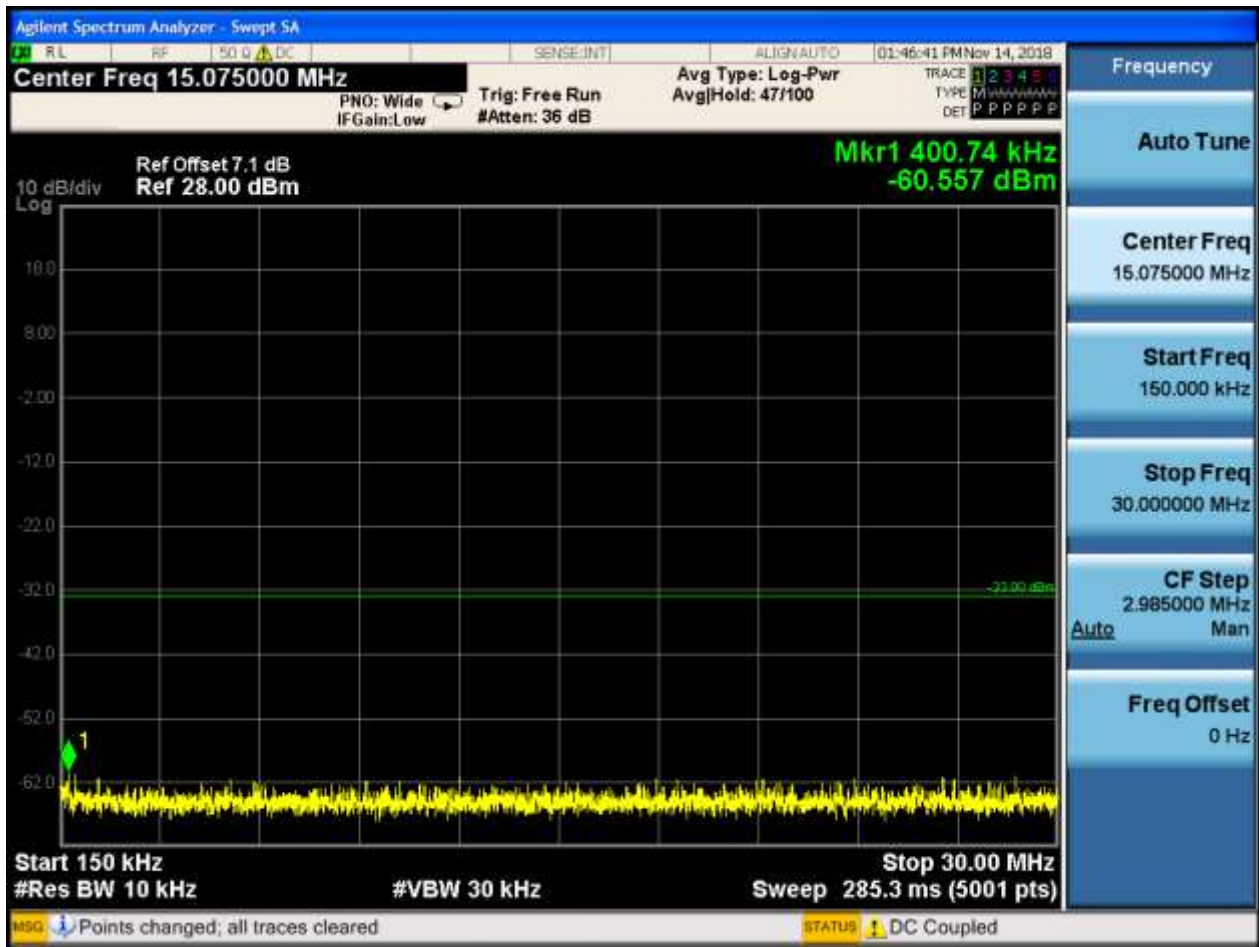




6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0





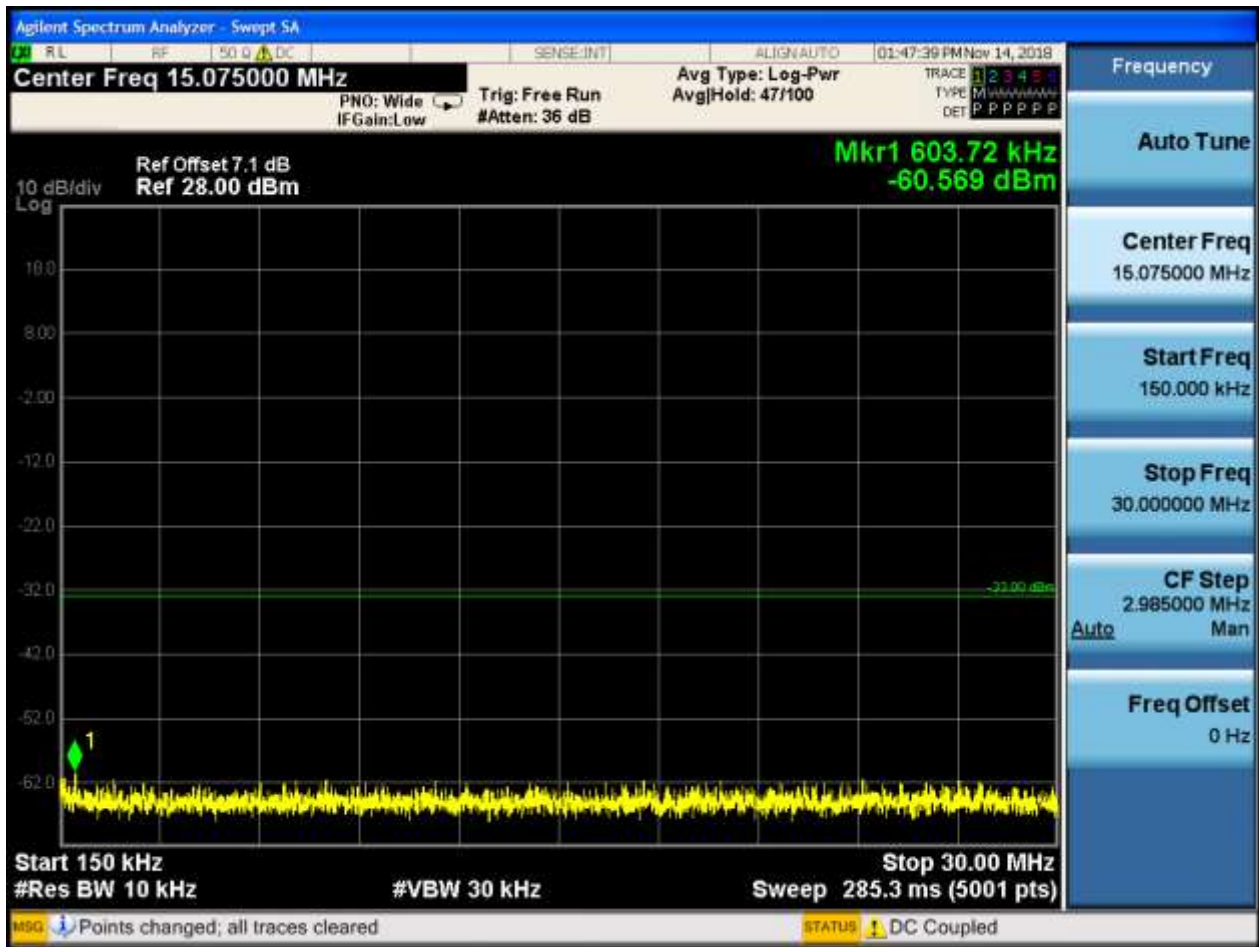


6.1.1.2.6 Test Bandwidth = 20

6.1.1.2.6.1 Test Channel = LCH

6.1.1.2.6.1.1 Test RB = RB1#0







6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0



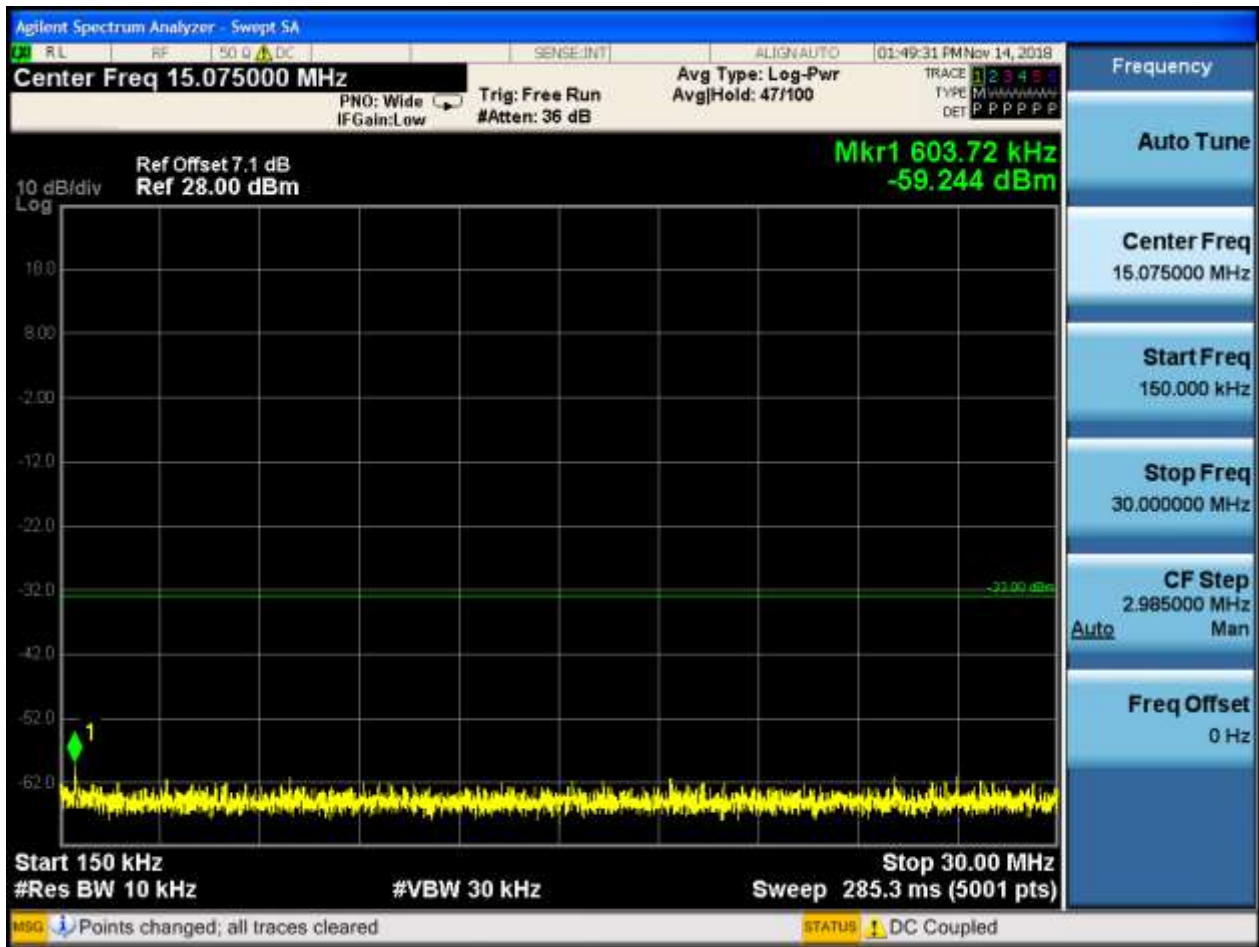




6.1.1.2.6.3 Test Channel = HCH

6.1.1.2.6.3.1 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
BAND4	LTE/TM1	1.4	LCH	TN	VL	3.08	0.0018	PASS
					VN	4.71	0.00275	PASS
					VH	3.95	0.00231	PASS
			MCH	TN	VL	1.20	0.00069	PASS
					VN	-0.06	-0.00003	PASS
					VH	-0.99	-0.00057	PASS
			HCH	TN	VL	-1.54	-0.00088	PASS
					VN	-0.44	-0.00025	PASS
					VH	-3.86	-0.0022	PASS
		3	LCH	TN	VL	0.40	0.00023	PASS
					VN	-0.67	-0.00039	PASS
					VH	0.83	0.00048	PASS
			MCH	TN	VL	0.92	0.00053	PASS
					VN	0.13	0.00008	PASS
					VH	0.94	0.00054	PASS
			HCH	TN	VL	0.73	0.00042	PASS
					VN	-0.17	-0.0001	PASS
					VH	0.83	0.00047	PASS
		5	LCH	TN	VL	1.76	0.00103	PASS
					VN	2.69	0.00157	PASS
					VH	1.03	0.0006	PASS
			MCH	TN	VL	0.06	0.00003	PASS
					VN	-1.30	-0.00075	PASS
					VH	0.23	0.00013	PASS
			HCH	TN	VL	-2.80	-0.0016	PASS
					VN	-3.49	-0.00199	PASS
					VH	-1.47	-0.00084	PASS
		10	LCH	TN	VL	-2.52	-0.00147	PASS
					VN	-2.75	-0.0016	PASS
					VH	-2.70	-0.00157	PASS
			MCH	TN	VL	0.89	0.00051	PASS

				HCH	TN	VN	0.43	0.00025	PASS
						VH	0.64	0.00037	PASS
						VL	1.69	0.00097	PASS
						VN	2.73	0.00156	PASS
						VH	0.82	0.00047	PASS
						VL	0.13	0.00008	PASS
		15	LCH	TN		VN	0.19	0.00011	PASS
						VH	0.40	0.00023	PASS
						VL	1.42	0.00082	PASS
			MCH	TN		VN	0.97	0.00056	PASS
						VH	0.79	0.00046	PASS
						VL	0.43	0.00025	PASS
			HCH	TN		VN	0.39	0.00022	PASS
						VH	-0.54	-0.00031	PASS
						VL	1.12	0.00065	PASS
		20	LCH	TN		VN	0.92	0.00053	PASS
						VH	1.32	0.00077	PASS
						VL	0.53	0.00031	PASS
			MCH	TN		VN	1.07	0.00062	PASS
						VH	0.60	0.00035	PASS
						VL	-3.56	-0.00204	PASS
			HCH	TN		VN	-4.39	-0.00252	PASS
						VH	-2.56	-0.00147	PASS
						VL	1.95	0.00114	PASS
	LTE/TM2	1.4	LCH	TN		VN	0.10	0.00006	PASS
						VH	2.02	0.00118	PASS
						VL	-1.24	-0.00072	PASS
			MCH	TN		VN	1.30	0.00075	PASS
						VH	2.82	0.00163	PASS
						VL	-3.18	-0.00181	PASS
			HCH	TN		VN	-2.10	-0.0012	PASS
						VH	-6.38	-0.00364	PASS
						VL	-0.79	-0.00046	PASS
		3	LCH	TN		VN	1.92	0.00112	PASS
						VH	-0.54	-0.00032	PASS
						VL	-2.98	-0.00172	PASS
			MCH	TN		VN	-4.31	-0.00249	PASS
						VH	-1.75	-0.00101	PASS
						VL	-0.62	-0.00035	PASS
			HCH	TN		VN	0.17	0.0001	PASS
						VH	-0.31	-0.00018	PASS
						VL	0.79	0.00046	PASS
		5	LCH	TN		VL	0.79	0.00046	PASS

					VN	0.46	0.00027	PASS
					VH	2.36	0.00138	PASS
					VL	-1.60	-0.00092	PASS
			MCH	TN	VN	-1.57	-0.00091	PASS
					VH	-0.10	-0.00006	PASS
					VL	-3.56	-0.00203	PASS
			HCH	TN	VN	-2.95	-0.00168	PASS
					VH	-4.58	-0.00261	PASS
					VL	-2.00	-0.00117	PASS
		10	LCH	TN	VN	-3.20	-0.00187	PASS
					VH	-3.29	-0.00192	PASS
					VL	0.40	0.00023	PASS
			MCH	TN	VN	0.84	0.00048	PASS
					VH	0.41	0.00024	PASS
					VL	1.87	0.00107	PASS
			HCH	TN	VN	0.66	0.00038	PASS
					VH	1.49	0.00085	PASS
					VL	0.83	0.00048	PASS
		15	LCH	TN	VN	1.04	0.00061	PASS
					VH	0.80	0.00047	PASS
					VL	0.54	0.00031	PASS
			MCH	TN	VN	0.92	0.00053	PASS
					VH	1.19	0.00069	PASS
					VL	-0.10	-0.00006	PASS
			HCH	TN	VN	0.51	0.00029	PASS
					VH	-0.49	-0.00028	PASS
					VL	0.97	0.00056	PASS
		20	LCH	TN	VN	-0.07	-0.00004	PASS
					VH	1.09	0.00063	PASS
					VL	0.44	0.00025	PASS
			MCH	TN	VN	0.97	0.00056	PASS
					VH	-0.11	-0.00006	PASS
					VL	-3.50	-0.00201	PASS
			HCH	TN	VN	-3.99	-0.00229	PASS
					VH	-3.86	-0.00221	PASS
					VL	-3.86	-0.00221	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
BAND4	LTE/TM1	1.4	LCH	VN	-30	1.34	0.00078	PASS
					-20	-0.46	-0.00027	PASS
					-10	3.73	0.00218	PASS
					0	-0.09	-0.00005	PASS
					10	2.78	0.00163	PASS
					20	0.97	0.00057	PASS
					30	3.33	0.00195	PASS
					40	-0.86	-0.0005	PASS
					50	2.45	0.00143	PASS
			MCH	VN	-30	-0.74	-0.00043	PASS
					-20	0.14	0.00008	PASS
					-10	0.97	0.00056	PASS
					0	0.43	0.00025	PASS
					10	0.30	0.00017	PASS
					20	0.17	0.0001	PASS
					30	-1.50	-0.00087	PASS
					40	0.64	0.00037	PASS
					50	-0.66	-0.00038	PASS
			HCH	VN	-30	-0.84	-0.00048	PASS
					-20	-2.16	-0.00123	PASS
					-10	0.17	0.0001	PASS
					0	-3.81	-0.00217	PASS
					10	-2.36	-0.00135	PASS
					20	-2.53	-0.00144	PASS
					30	-2.86	-0.00163	PASS
					40	-2.27	-0.00129	PASS
					50	-3.83	-0.00218	PASS
		3	LCH	VN	-30	0.56	0.00033	PASS
					-20	1.99	0.00116	PASS
					-10	1.39	0.00081	PASS
					0	1.77	0.00103	PASS
					10	0.92	0.00054	PASS
					20	1.06	0.00062	PASS
					30	0.82	0.00048	PASS
					40	1.86	0.00109	PASS
					50	1.59	0.00093	PASS

			MCH	VN	-30	-1.86	-0.00107	PASS
					-20	-1.02	-0.00059	PASS
					-10	-1.17	-0.00068	PASS
					0	-2.06	-0.00119	PASS
					10	-1.23	-0.00071	PASS
					20	-0.23	-0.00013	PASS
					30	-0.06	-0.00003	PASS
					40	-1.36	-0.00078	PASS
					50	-0.13	-0.00008	PASS
			HCH	VN	-30	1.60	0.00091	PASS
					-20	-0.43	-0.00025	PASS
					-10	1.00	0.00057	PASS
					0	-1.27	-0.00072	PASS
					10	0.73	0.00042	PASS
					20	0.34	0.00019	PASS
					30	2.85	0.00163	PASS
					40	0.23	0.00013	PASS
					50	-0.14	-0.00008	PASS
		5	LCH	VN	-30	0.72	0.00042	PASS
					-20	1.69	0.00099	PASS
					-10	1.60	0.00093	PASS
					0	2.22	0.0013	PASS
					10	4.33	0.00253	PASS
					20	2.65	0.00155	PASS
					30	0.72	0.00042	PASS
					40	2.33	0.00136	PASS
					50	2.35	0.00137	PASS
			MCH	VN	-30	2.32	0.00134	PASS
					-20	2.56	0.00148	PASS
					-10	2.00	0.00115	PASS
					0	0.44	0.00025	PASS
					10	0.43	0.00025	PASS
					20	1.60	0.00092	PASS
					30	0.74	0.00043	PASS
					40	1.26	0.00073	PASS
					50	0.90	0.00052	PASS
			HCH	VN	-30	-2.98	-0.0017	PASS
					-20	-1.72	-0.00098	PASS
					-10	-2.33	-0.00133	PASS
					0	-2.00	-0.00114	PASS
					10	-3.29	-0.00188	PASS
					20	-2.39	-0.00136	PASS

					30	-2.39	-0.00136	PASS
					40	-3.10	-0.00177	PASS
					50	-1.50	-0.00086	PASS
		10	LCH	VN	-30	-2.27	-0.00132	PASS
					-20	-2.27	-0.00132	PASS
					-10	-2.53	-0.00148	PASS
					0	-3.26	-0.0019	PASS
					10	-2.37	-0.00138	PASS
					20	-2.59	-0.00151	PASS
					30	-1.42	-0.00083	PASS
					40	-3.19	-0.00186	PASS
					50	-2.65	-0.00155	PASS
			MCH	VN	-30	-0.23	-0.00013	PASS
					-20	-1.04	-0.0006	PASS
					-10	-0.41	-0.00024	PASS
					0	-0.11	-0.00006	PASS
					10	-0.51	-0.00029	PASS
					20	0.57	0.00033	PASS
					30	-0.03	-0.00002	PASS
					40	0.63	0.00036	PASS
					50	-0.34	-0.0002	PASS
			HCH	VN	-30	3.36	0.00192	PASS
					-20	1.32	0.00075	PASS
					-10	1.47	0.00084	PASS
					0	1.95	0.00111	PASS
					10	1.92	0.0011	PASS
					20	2.27	0.0013	PASS
					30	2.29	0.00131	PASS
					40	1.75	0.001	PASS
					50	1.82	0.00104	PASS
		15	LCH	VN	-30	0.39	0.00023	PASS
					-20	0.62	0.00036	PASS
					-10	0.06	0.00003	PASS
					0	0.24	0.00014	PASS
					10	-0.30	-0.00017	PASS
					20	0.03	0.00002	PASS
					30	0.53	0.00031	PASS
					40	-0.13	-0.00008	PASS
					50	-0.10	-0.00006	PASS
			MCH	VN	-30	-0.77	-0.00044	PASS
					-20	1.26	0.00073	PASS
					-10	-0.11	-0.00006	PASS



					0	0.14	0.00008	PASS
					10	-0.49	-0.00028	PASS
					20	0.47	0.00027	PASS
					30	0.26	0.00015	PASS
					40	0.37	0.00021	PASS
					50	0.41	0.00024	PASS
			HCH	VN	-30	1.57	0.0009	PASS
					-20	0.74	0.00042	PASS
					-10	0.09	0.00005	PASS
					0	0.24	0.00014	PASS
					10	0.56	0.00032	PASS
					20	0.46	0.00026	PASS
					30	0.83	0.00047	PASS
					40	-0.11	-0.00006	PASS
					50	0.66	0.00038	PASS
		20	LCH	VN	-30	1.59	0.00092	PASS
					-20	1.30	0.00076	PASS
					-10	1.90	0.0011	PASS
					0	2.56	0.00149	PASS
					10	0.80	0.00047	PASS
					20	0.76	0.00044	PASS
					30	2.80	0.00163	PASS
					40	1.69	0.00098	PASS
					50	2.50	0.00145	PASS
			MCH	VN	-30	1.30	0.00075	PASS
					-20	-0.29	-0.00017	PASS
					-10	-0.14	-0.00008	PASS
					0	0.82	0.00047	PASS
					10	0.34	0.0002	PASS
					20	0.53	0.00031	PASS
					30	-0.14	-0.00008	PASS
					40	1.40	0.00081	PASS
					50	-1.06	-0.00061	PASS
			HCH	VN	-30	-1.97	-0.00113	PASS
					-20	-2.55	-0.00146	PASS
					-10	-1.69	-0.00097	PASS
					0	-2.79	-0.0016	PASS
					10	-3.30	-0.00189	PASS
					20	-3.25	-0.00186	PASS
					30	-2.56	-0.00147	PASS
					40	-3.33	-0.00191	PASS
					50	-2.60	-0.00149	PASS

	LTE/TM2	1.4	LCH	VN	-30	1.85	0.00108	PASS
					-20	-0.30	-0.00018	PASS
					-10	2.86	0.00167	PASS
					0	2.17	0.00127	PASS
					10	-0.21	-0.00012	PASS
					20	2.53	0.00148	PASS
					30	2.73	0.0016	PASS
					40	3.98	0.00233	PASS
					50	-0.63	-0.00037	PASS
			MCH	VN	-30	2.45	0.00141	PASS
					-20	-0.44	-0.00025	PASS
					-10	0.63	0.00036	PASS
					0	0.14	0.00008	PASS
					10	0.11	0.00006	PASS
					20	4.02	0.00232	PASS
					30	2.10	0.00121	PASS
					40	-0.01	-0.00001	PASS
					50	-0.17	-0.0001	PASS
			HCH	VN	-30	-6.27	-0.00357	PASS
					-20	-2.46	-0.0014	PASS
					-10	-1.67	-0.00095	PASS
					0	-2.47	-0.00141	PASS
					10	-3.72	-0.00212	PASS
					20	-3.48	-0.00198	PASS
					30	-1.90	-0.00108	PASS
					40	-3.26	-0.00186	PASS
					50	-1.72	-0.00098	PASS
		3	LCH	VN	-30	-0.60	-0.00035	PASS
					-20	-1.02	-0.0006	PASS
					-10	-1.43	-0.00084	PASS
					0	-0.39	-0.00023	PASS
					10	0.17	0.0001	PASS
					20	-1.27	-0.00074	PASS
					30	0.37	0.00022	PASS
					40	-0.13	-0.00008	PASS
					50	-0.24	-0.00014	PASS
			MCH	VN	-30	-3.29	-0.0019	PASS
					-20	-3.10	-0.00179	PASS
					-10	-1.69	-0.00098	PASS
					0	-1.47	-0.00085	PASS
					10	-2.06	-0.00119	PASS
					20	-0.13	-0.00008	PASS

					30	-0.86	-0.0005	PASS
					40	-0.77	-0.00044	PASS
					50	-2.33	-0.00134	PASS
			HCH	VN	-30	1.65	0.00094	PASS
					-20	0.11	0.00006	PASS
					-10	0.57	0.00033	PASS
					0	1.32	0.00075	PASS
					10	1.42	0.00081	PASS
					20	0.69	0.00039	PASS
					30	-0.64	-0.00036	PASS
					40	0.72	0.00041	PASS
					50	1.06	0.0006	PASS
		5	LCH	VN	-30	2.05	0.0012	PASS
					-20	2.13	0.00124	PASS
					-10	2.46	0.00144	PASS
					0	1.46	0.00085	PASS
					10	1.46	0.00085	PASS
					20	1.47	0.00086	PASS
					30	1.10	0.00064	PASS
					40	1.83	0.00107	PASS
					50	0.87	0.00051	PASS
			MCH	VN	-30	2.13	0.00123	PASS
					-20	0.06	0.00003	PASS
					-10	1.65	0.00095	PASS
					0	1.53	0.00088	PASS
					10	2.56	0.00148	PASS
					20	2.62	0.00151	PASS
					30	2.70	0.00156	PASS
					40	2.29	0.00132	PASS
					50	-0.03	-0.00002	PASS
			HCH	VN	-30	-2.73	-0.00156	PASS
					-20	-3.00	-0.00171	PASS
					-10	-3.81	-0.00217	PASS
					0	-3.23	-0.00184	PASS
					10	-2.60	-0.00148	PASS
					20	-2.99	-0.00171	PASS
					30	-2.99	-0.00171	PASS
					40	-4.06	-0.00232	PASS
					50	-2.62	-0.0015	PASS
		10	LCH	VN	-30	-2.06	-0.0012	PASS
					-20	-3.15	-0.00184	PASS
					-10	-2.93	-0.00171	PASS



					0	-1.99	-0.00116	PASS
					10	-2.19	-0.00128	PASS
					20	-2.85	-0.00166	PASS
					30	-3.50	-0.00204	PASS
					40	-3.83	-0.00223	PASS
					50	-2.83	-0.00165	PASS
			MCH	VN	-30	-0.93	-0.00054	PASS
					-20	-0.07	-0.00004	PASS
					-10	0.36	0.00021	PASS
					0	-1.44	-0.00083	PASS
					10	-1.03	-0.00059	PASS
					20	-0.16	-0.00009	PASS
					30	-0.57	-0.00033	PASS
					40	-0.84	-0.00048	PASS
					50	-1.27	-0.00073	PASS
			HCH	VN	-30	1.20	0.00069	PASS
					-20	0.93	0.00053	PASS
					-10	2.23	0.00127	PASS
					0	2.88	0.00165	PASS
					10	1.43	0.00082	PASS
					20	2.26	0.00129	PASS
					30	2.72	0.00155	PASS
					40	0.50	0.00029	PASS
					50	1.29	0.00074	PASS
		15	LCH	VN	-30	0.11	0.00006	PASS
					-20	-0.43	-0.00025	PASS
					-10	0.31	0.00018	PASS
					0	-0.63	-0.00037	PASS
					10	-0.26	-0.00015	PASS
					20	0.44	0.00026	PASS
					30	0.11	0.00006	PASS
					40	0.21	0.00012	PASS
					50	0.99	0.00058	PASS
			MCH	VN	-30	0.94	0.00054	PASS
					-20	-0.34	-0.0002	PASS
					-10	0.27	0.00016	PASS
					0	-0.20	-0.00012	PASS
					10	-0.46	-0.00027	PASS
					20	0.82	0.00047	PASS
					30	0.33	0.00019	PASS
					40	0.54	0.00031	PASS
					50	0.69	0.0004	PASS



			HCH	VN	-30	-0.74	-0.00042	PASS
					-20	0.19	0.00011	PASS
					-10	0.54	0.00031	PASS
					0	0.04	0.00002	PASS
					10	-0.70	-0.0004	PASS
					20	-0.16	-0.00009	PASS
					30	0.23	0.00013	PASS
					40	0.60	0.00034	PASS
					50	-0.99	-0.00057	PASS
		20	LCH	VN	-30	0.39	0.00023	PASS
					-20	-0.10	-0.00006	PASS
					-10	1.47	0.00085	PASS
					0	0.49	0.00028	PASS
					10	1.75	0.00102	PASS
					20	2.79	0.00162	PASS
					30	1.89	0.0011	PASS
					40	2.07	0.0012	PASS
					50	2.93	0.0017	PASS
			MCH	VN	-30	0.60	0.00035	PASS
					-20	0.49	0.00028	PASS
					-10	0.49	0.00028	PASS
					0	0.51	0.00029	PASS
					10	0.01	0.00001	PASS
					20	0.72	0.00042	PASS
					30	0.01	0.00001	PASS
					40	-0.30	-0.00017	PASS
					50	-0.47	-0.00027	PASS
			HCH	VN	-30	-3.03	-0.00174	PASS
					-20	-1.79	-0.00103	PASS
					-10	-1.66	-0.00095	PASS
					0	-3.05	-0.00175	PASS
					10	-2.99	-0.00171	PASS
					20	-2.00	-0.00115	PASS
					30	-2.35	-0.00135	PASS
					40	-3.26	-0.00187	PASS
					50	-2.22	-0.00127	PASS

END