

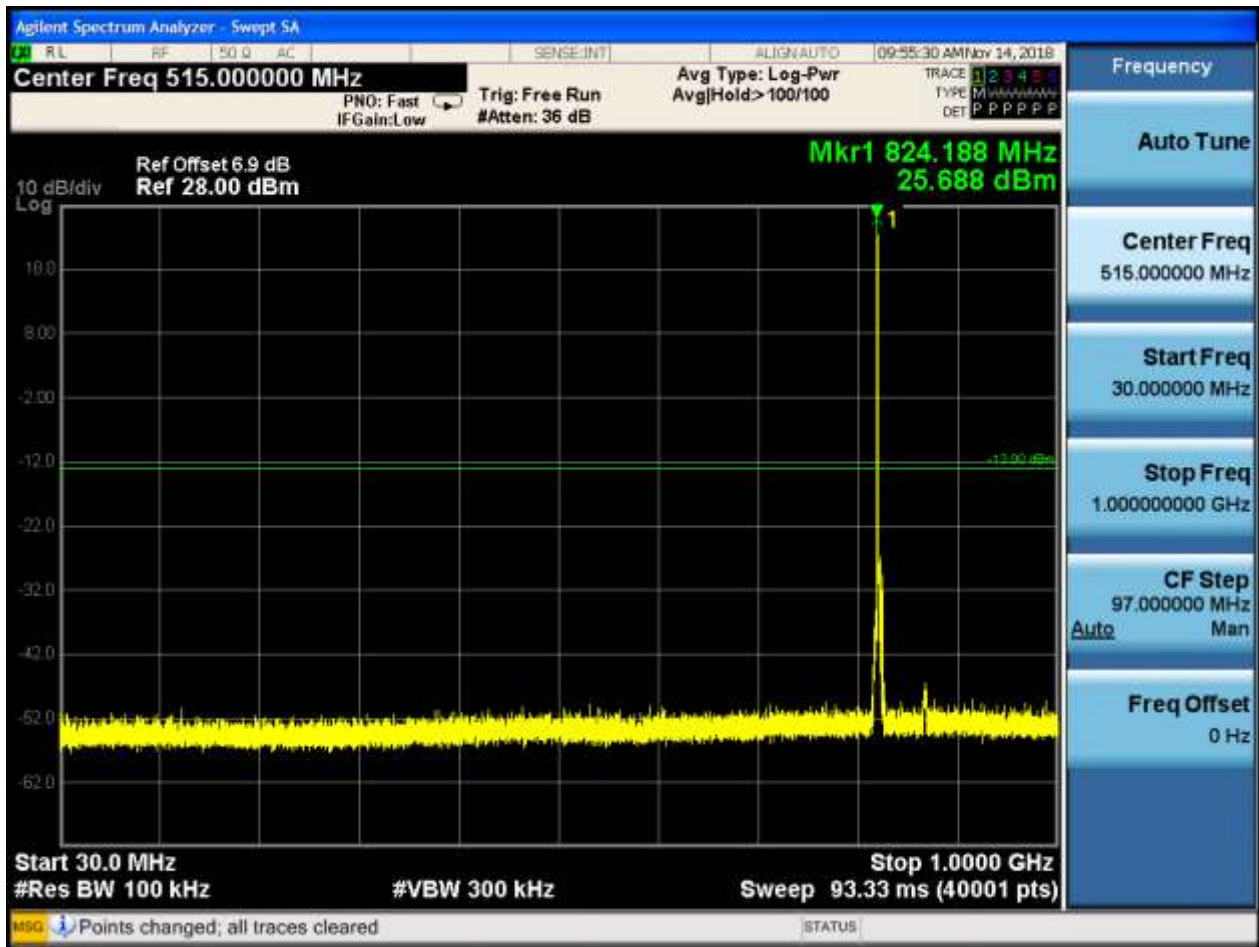
6.1.1.1.2 Test Bandwidth = 3

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0







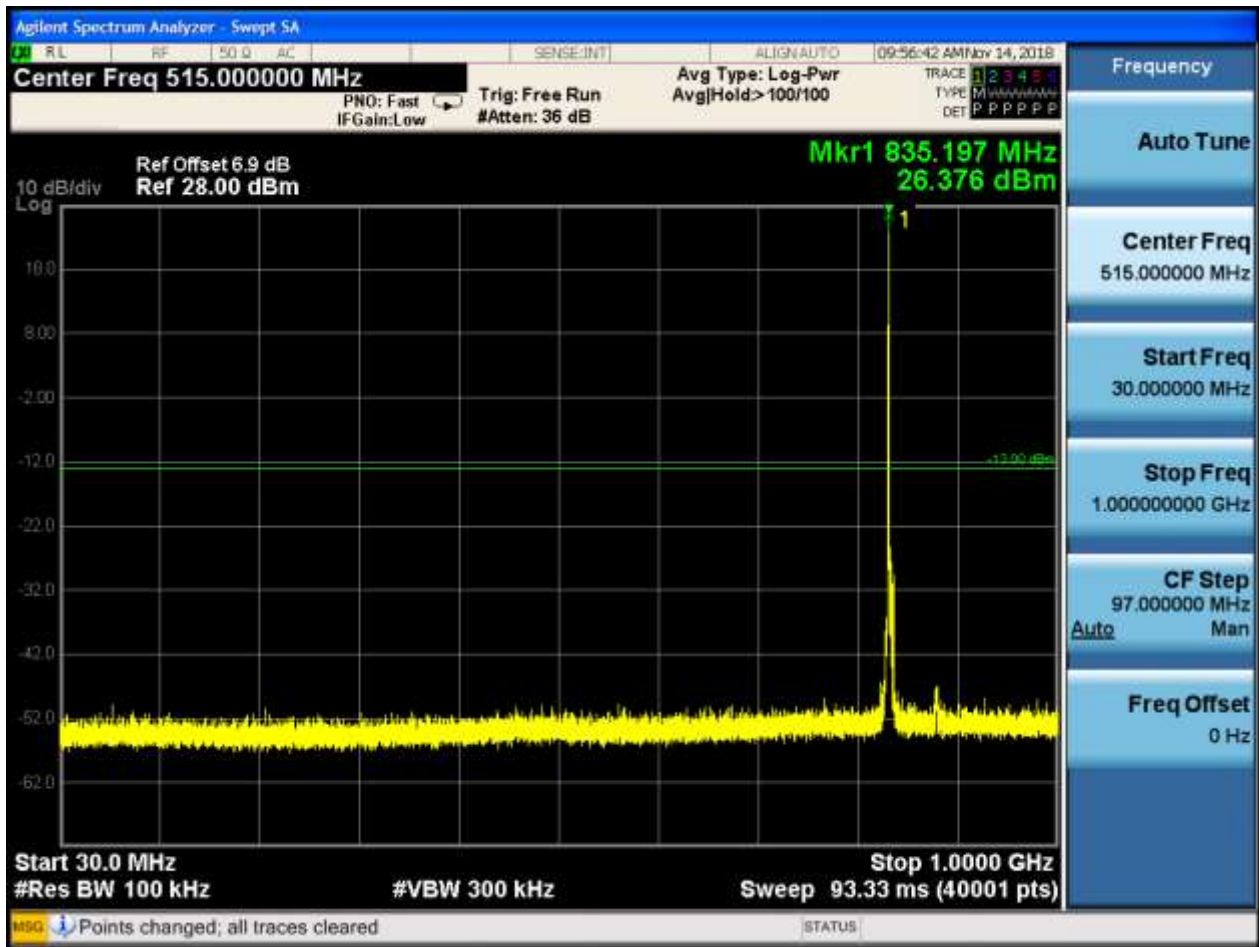


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0





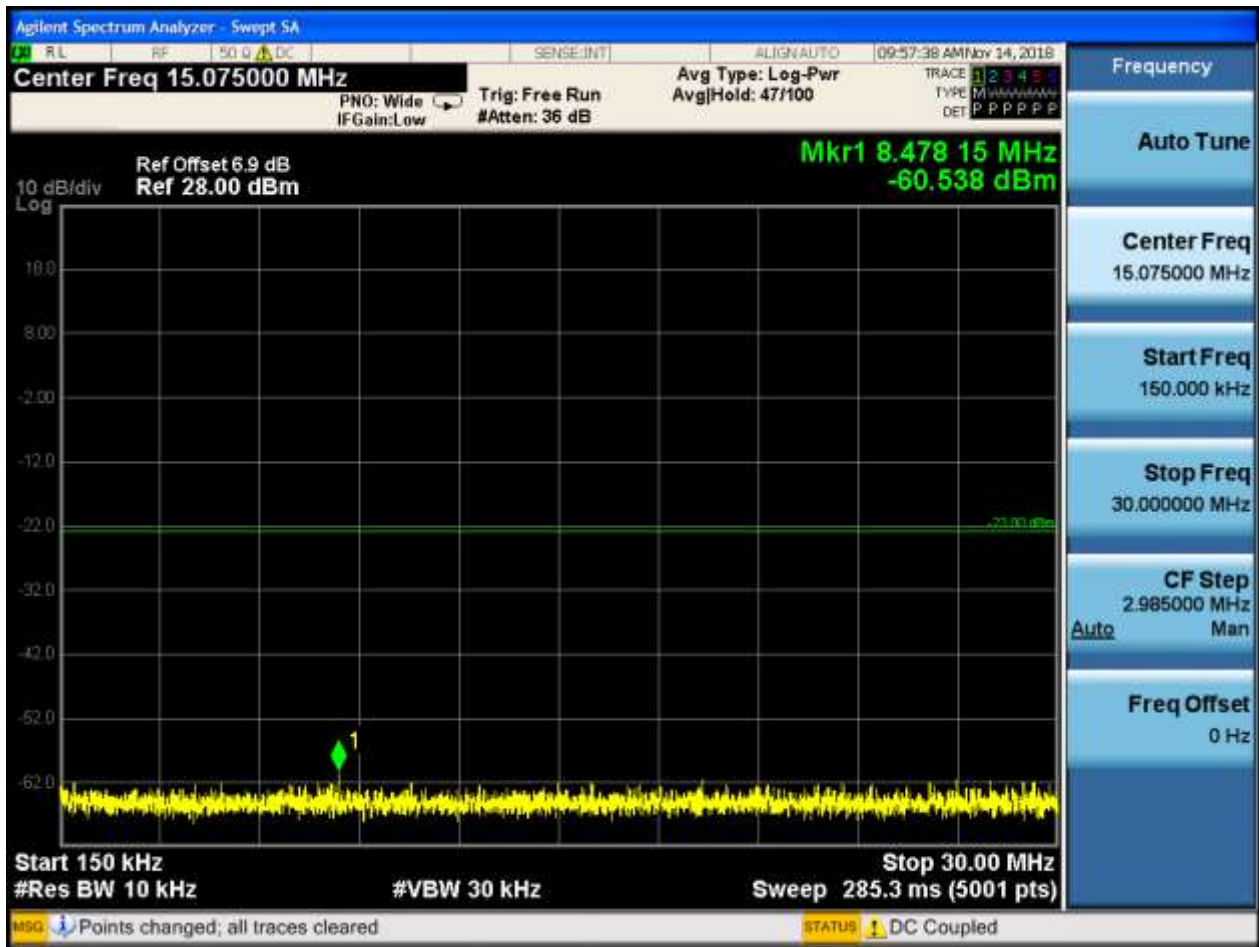


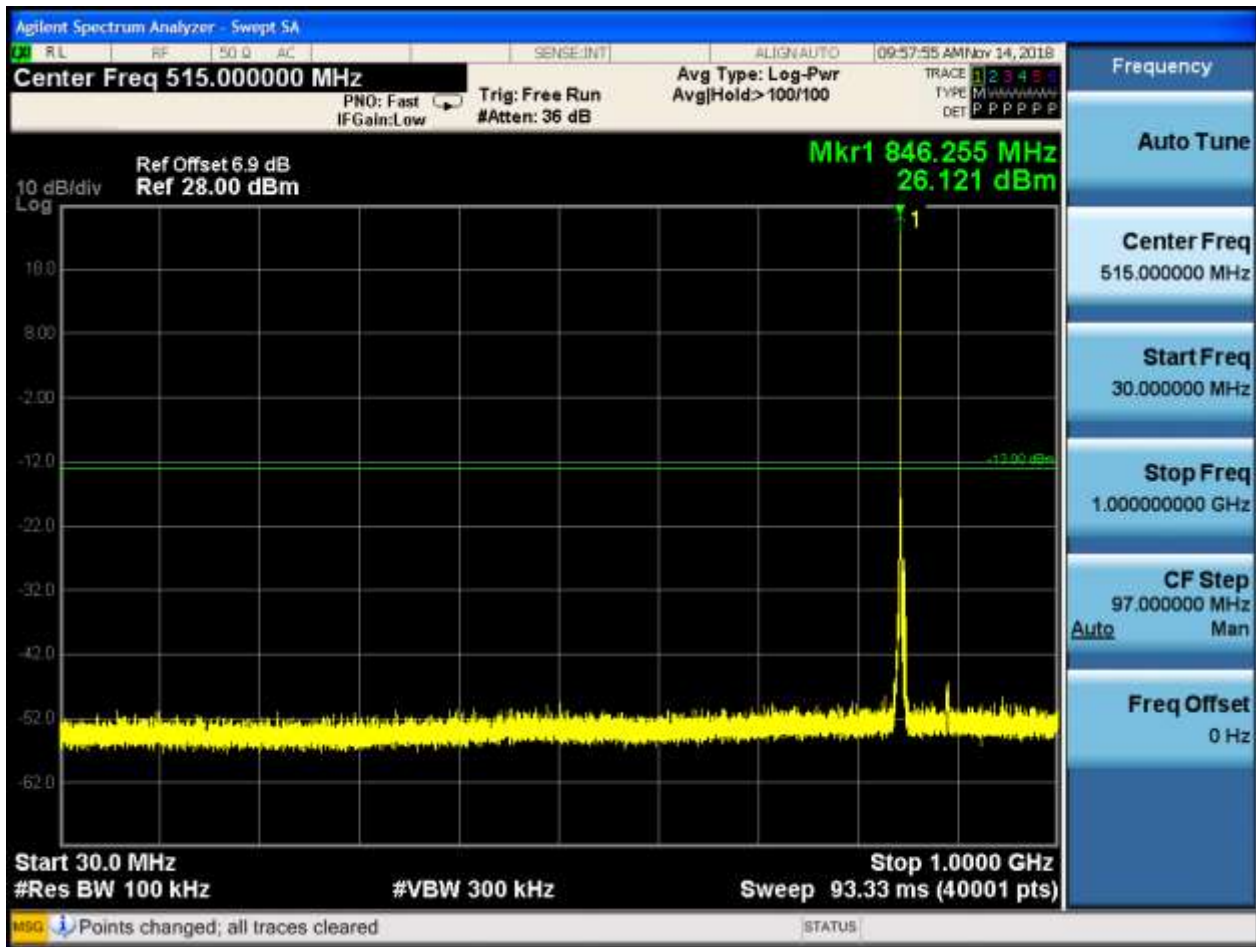


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







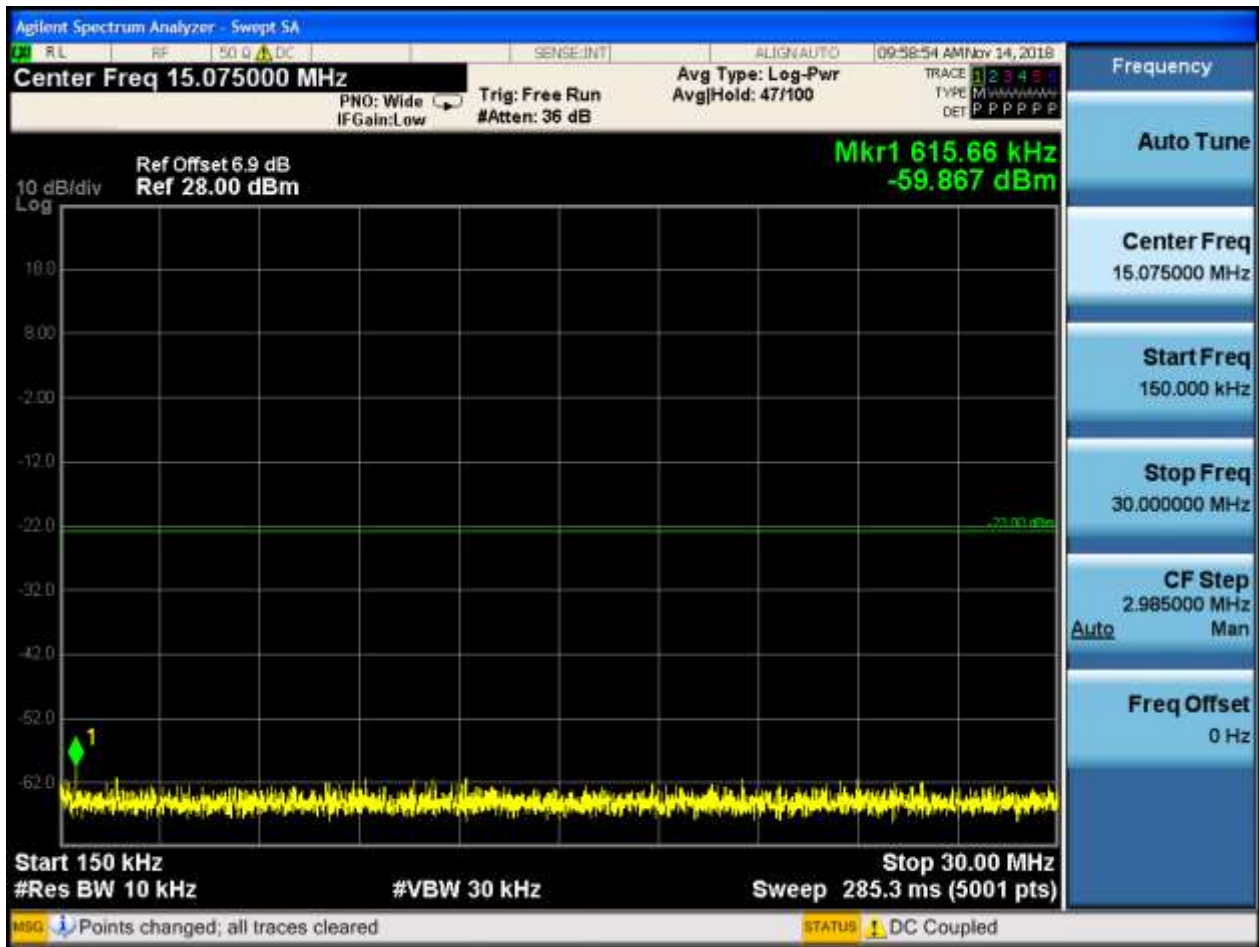


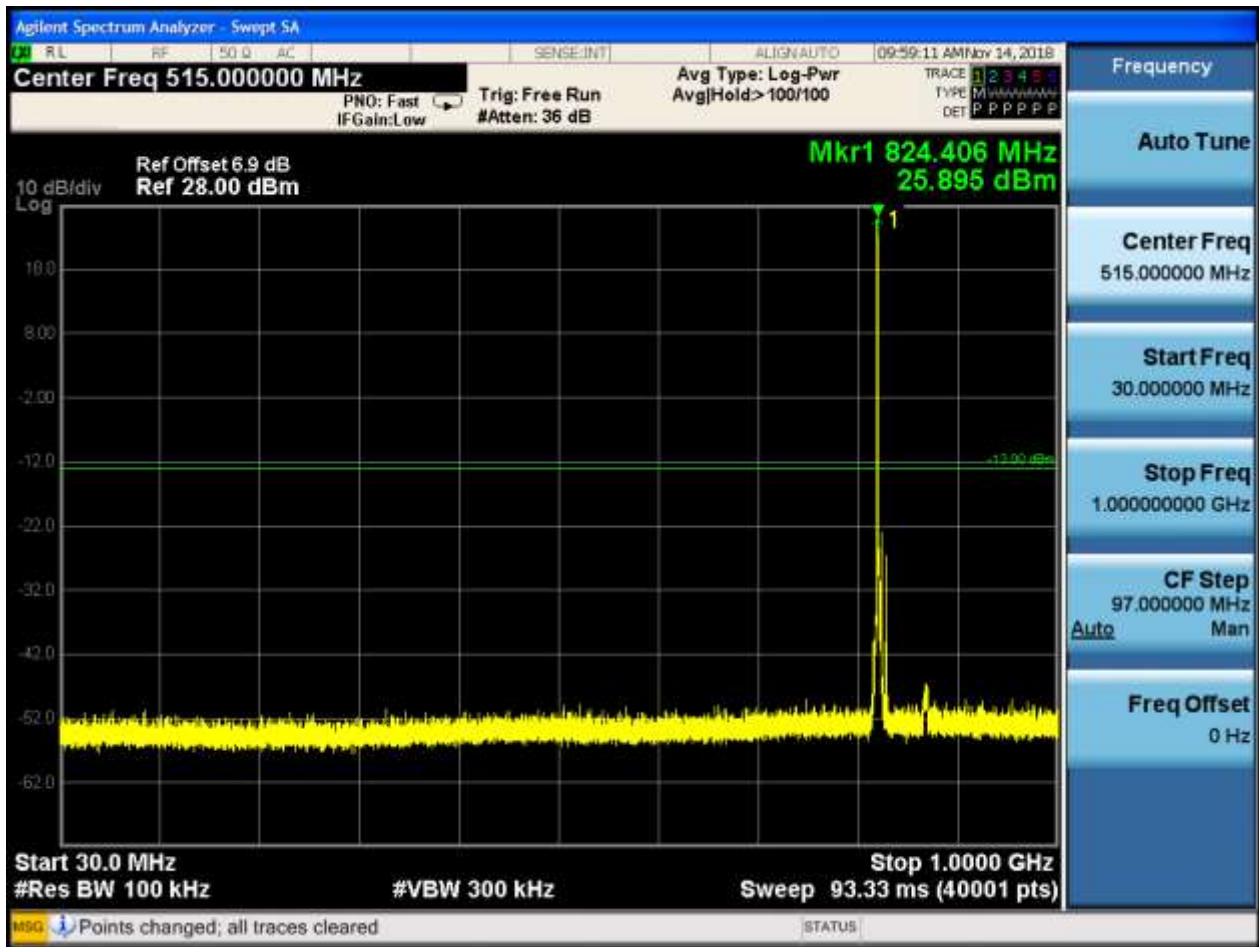
6.1.1.1.3 Test Bandwidth = 5

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0







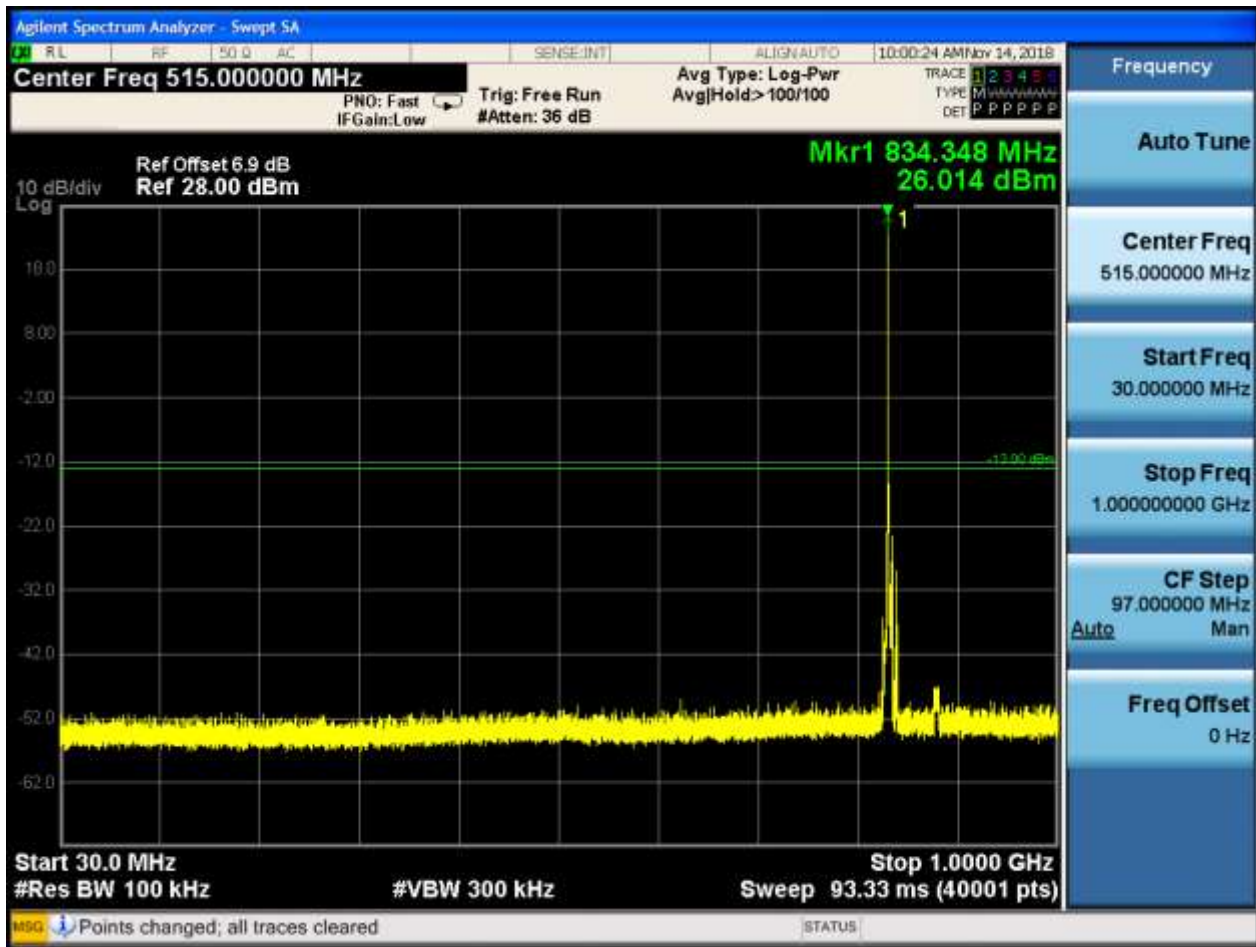


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0





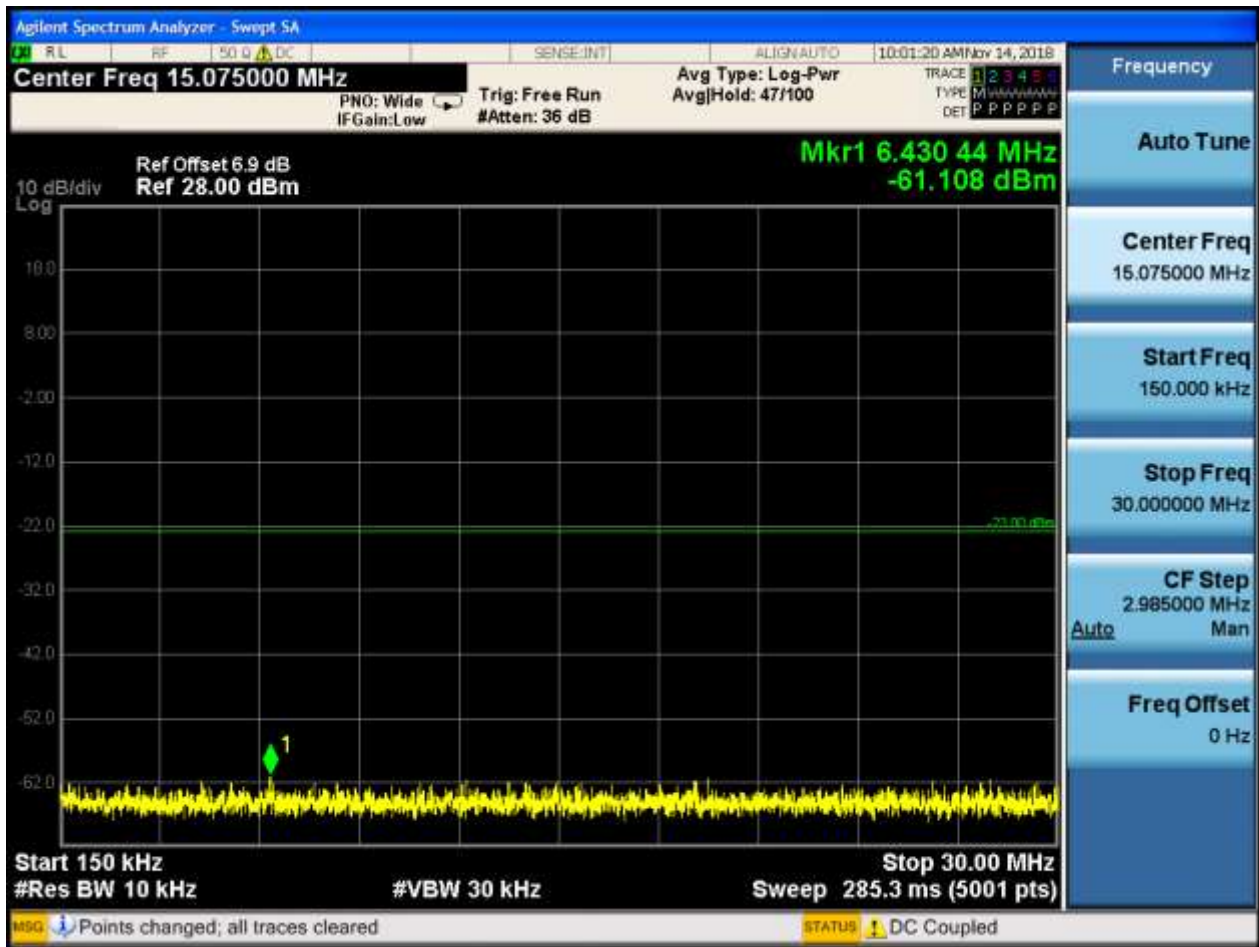


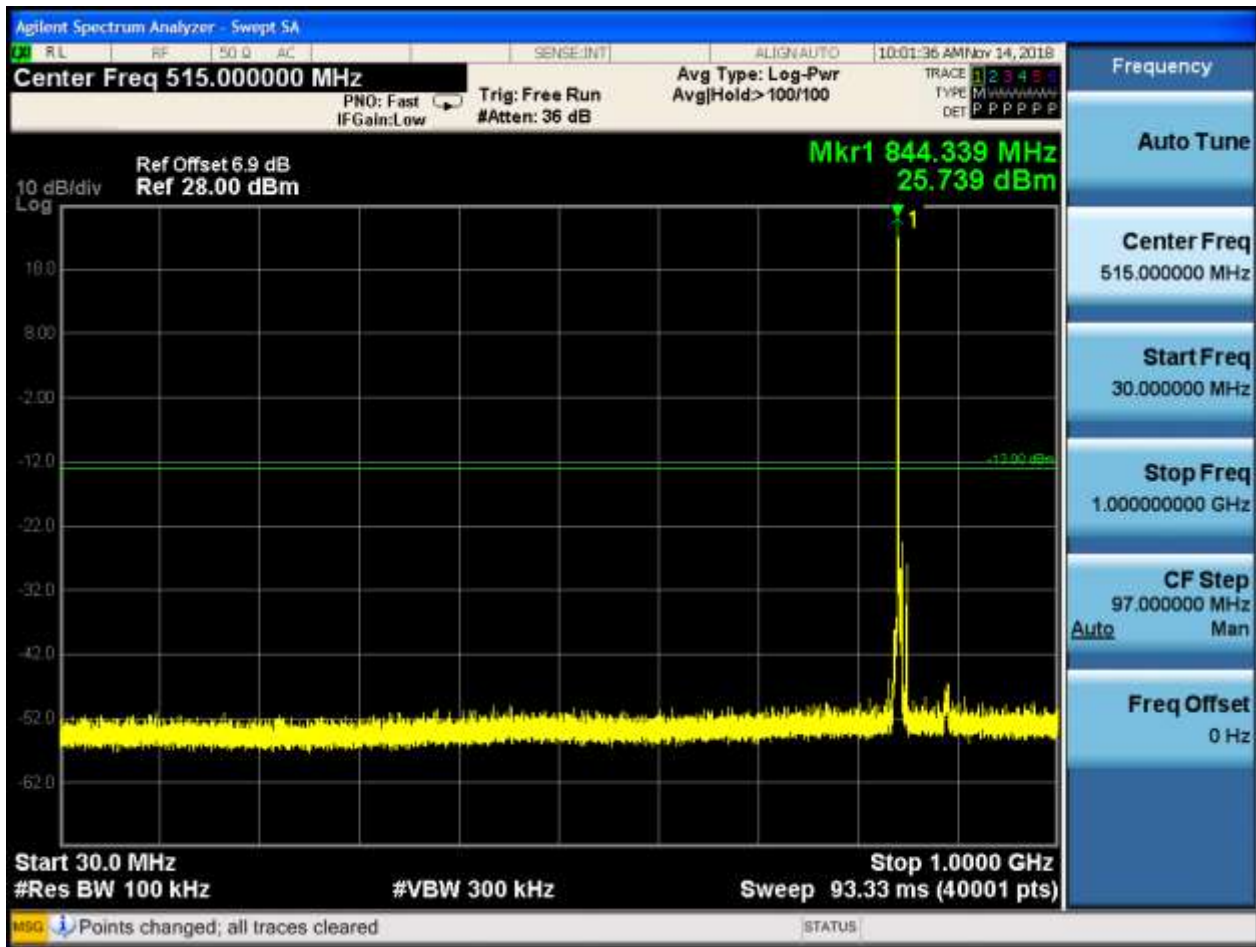


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





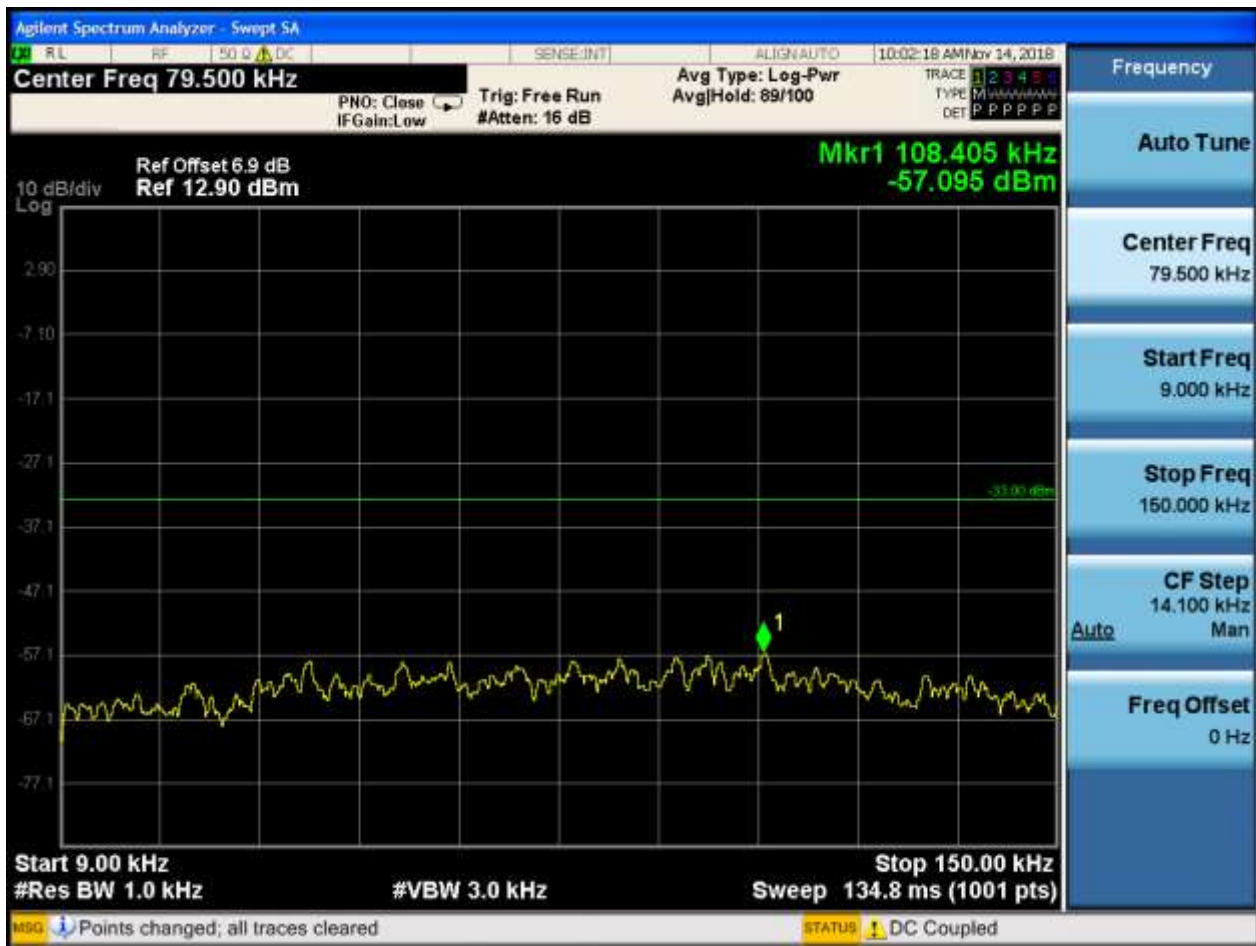




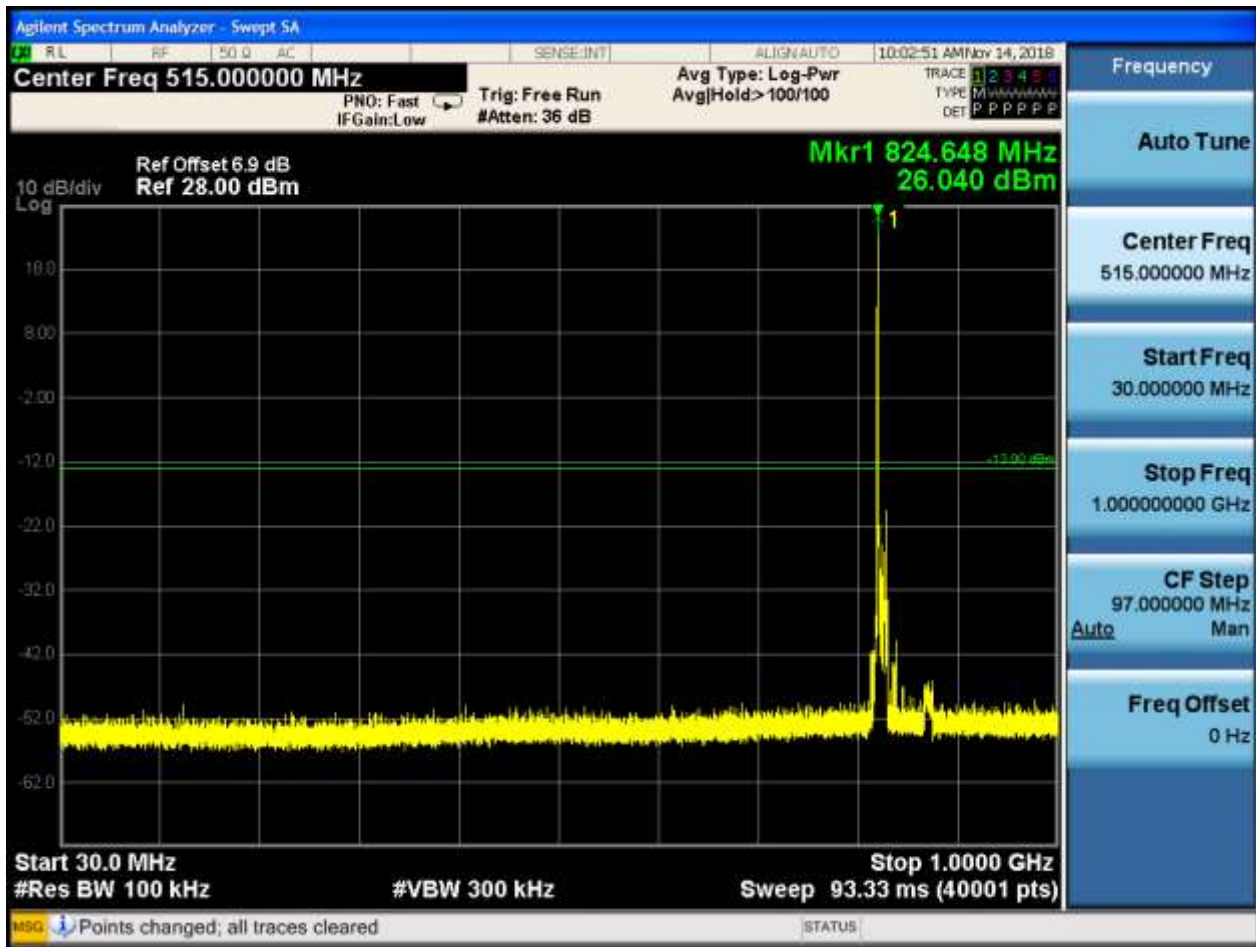
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





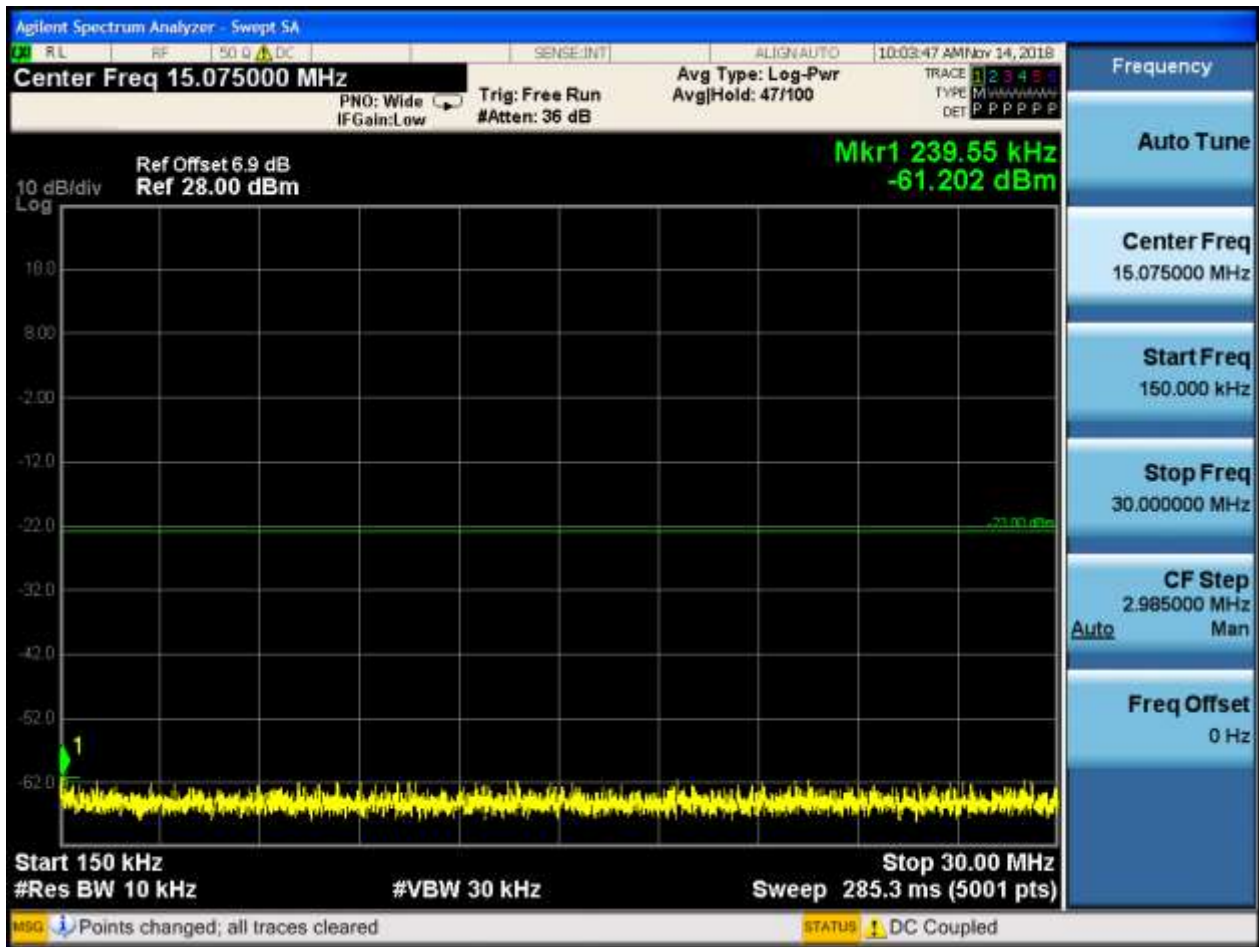


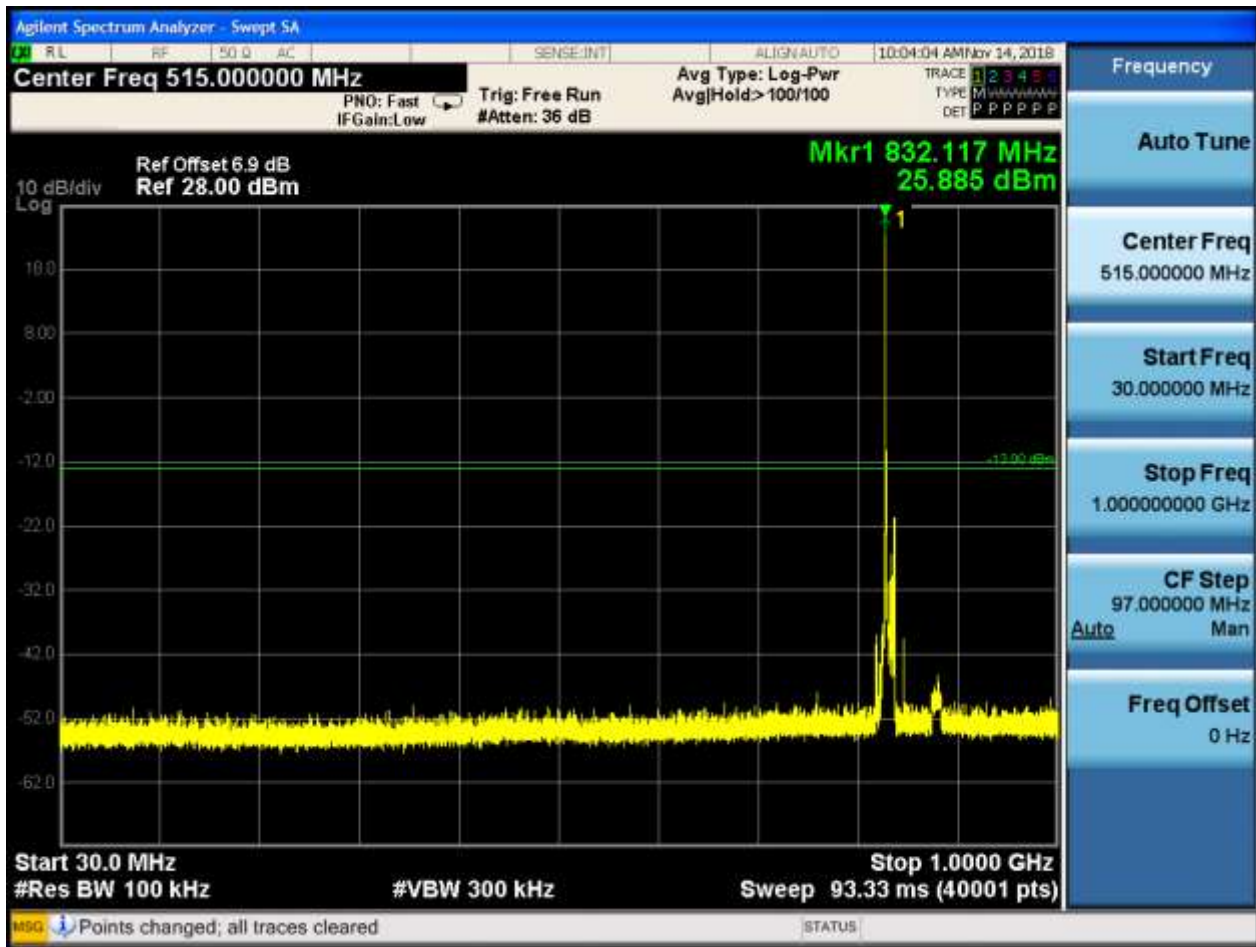


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0





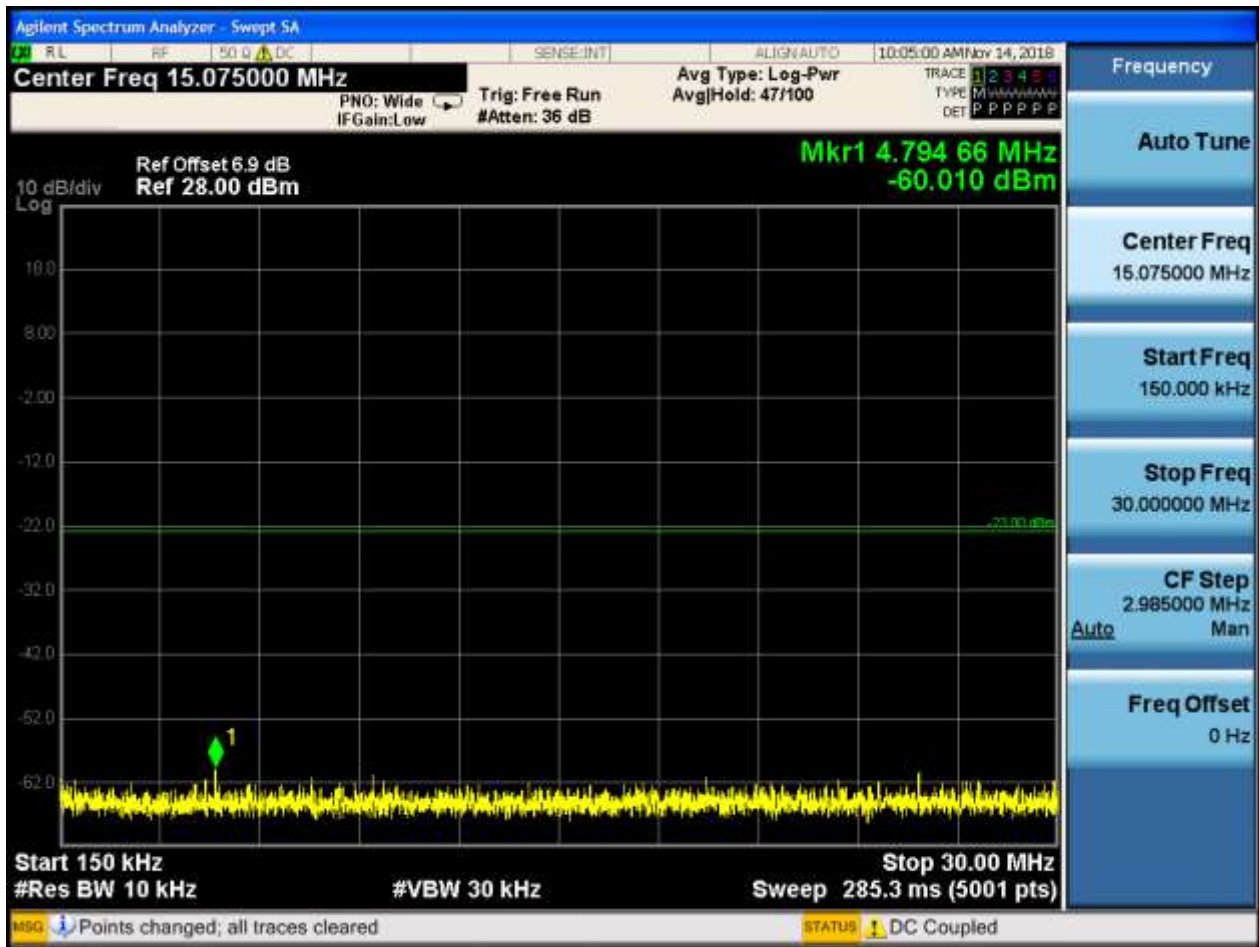


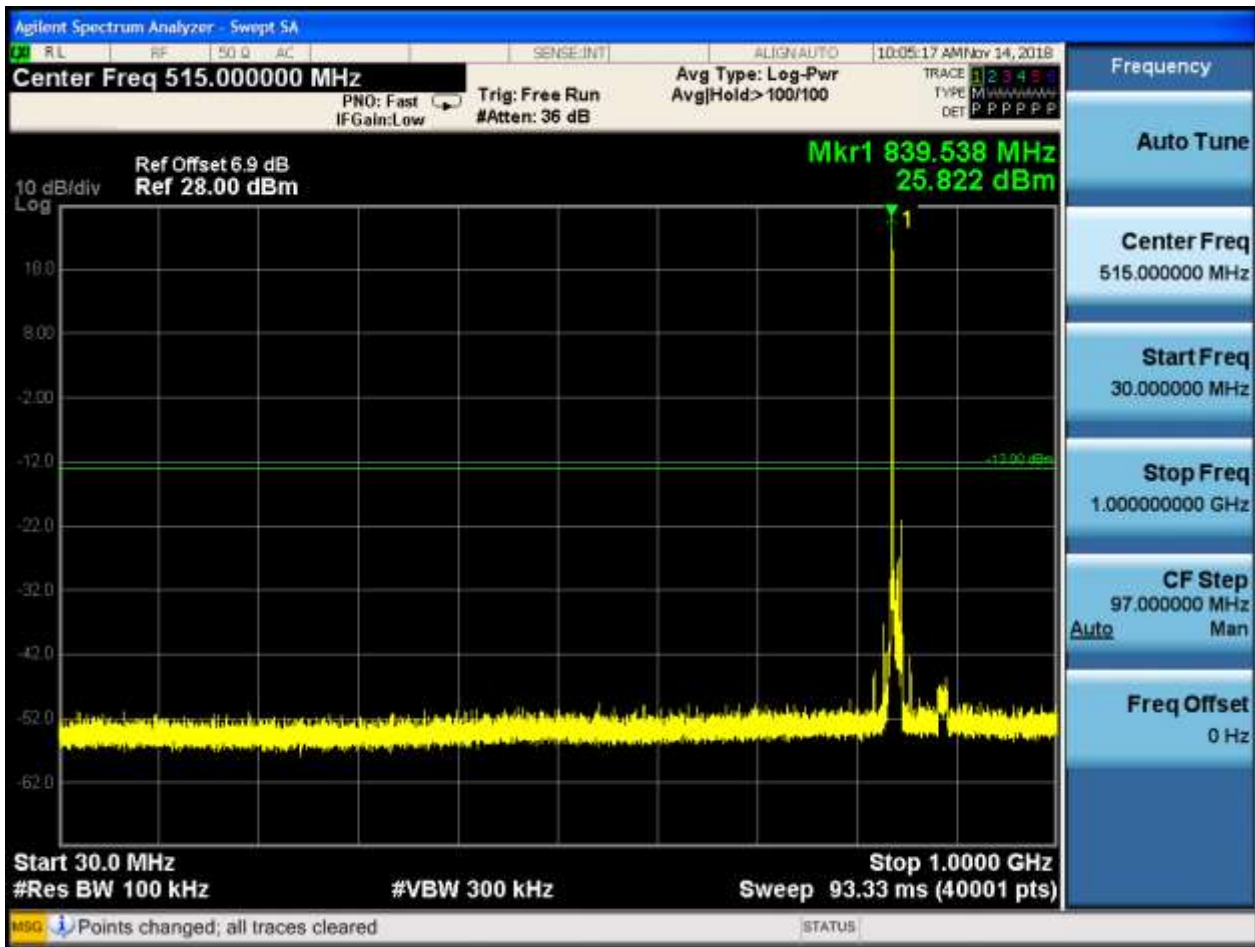


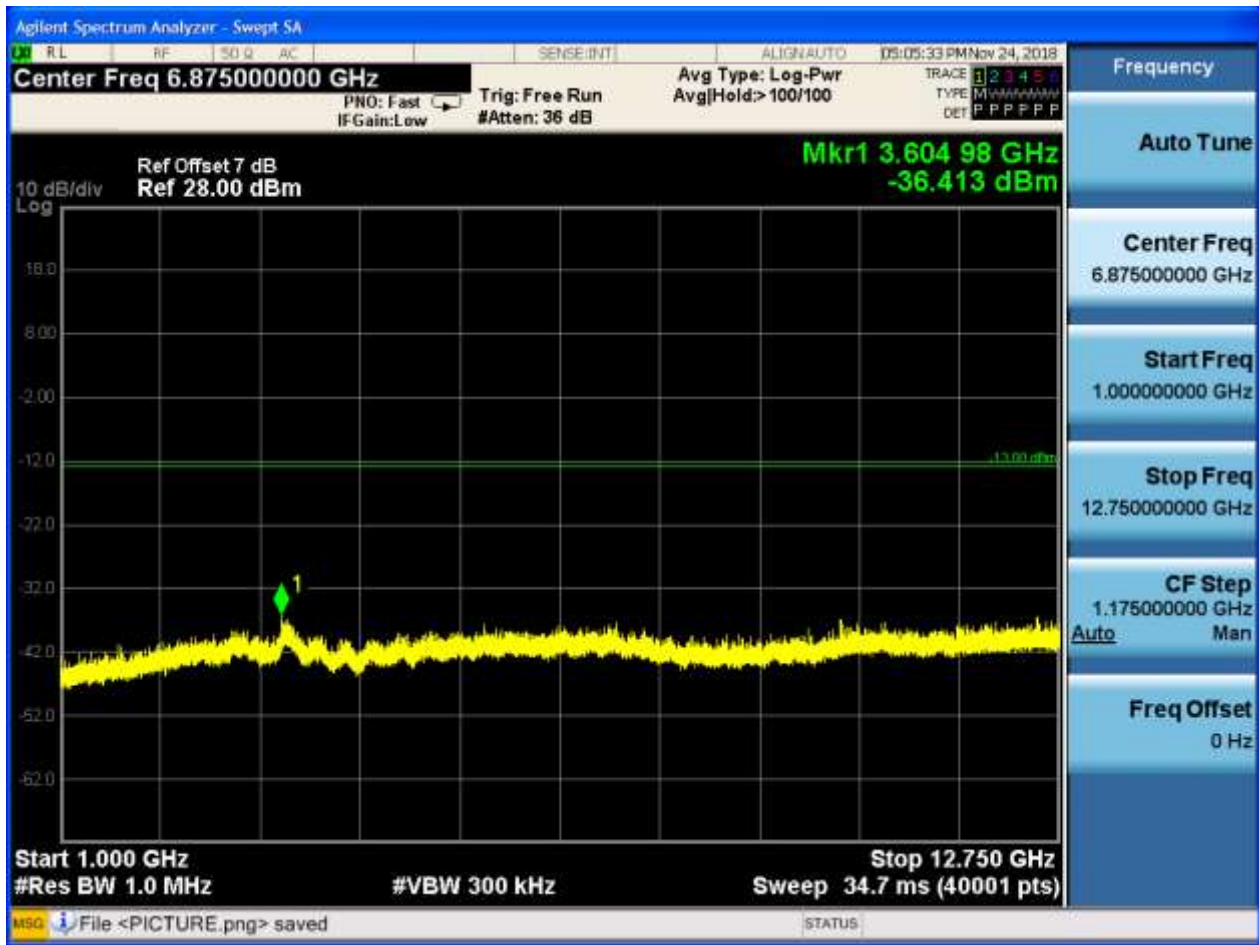
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









6.1.1.2 Test Mode = LTE/TM2

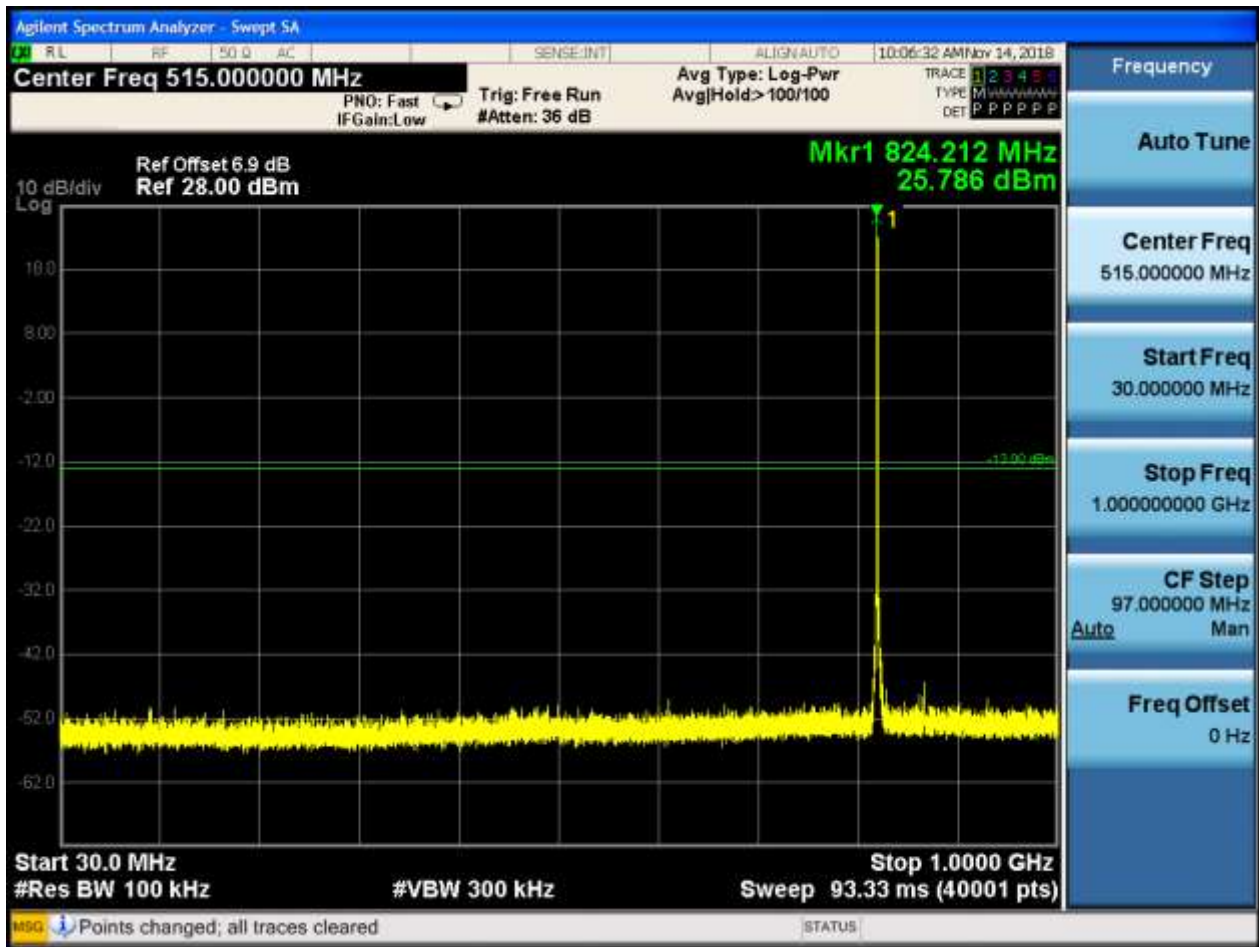
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





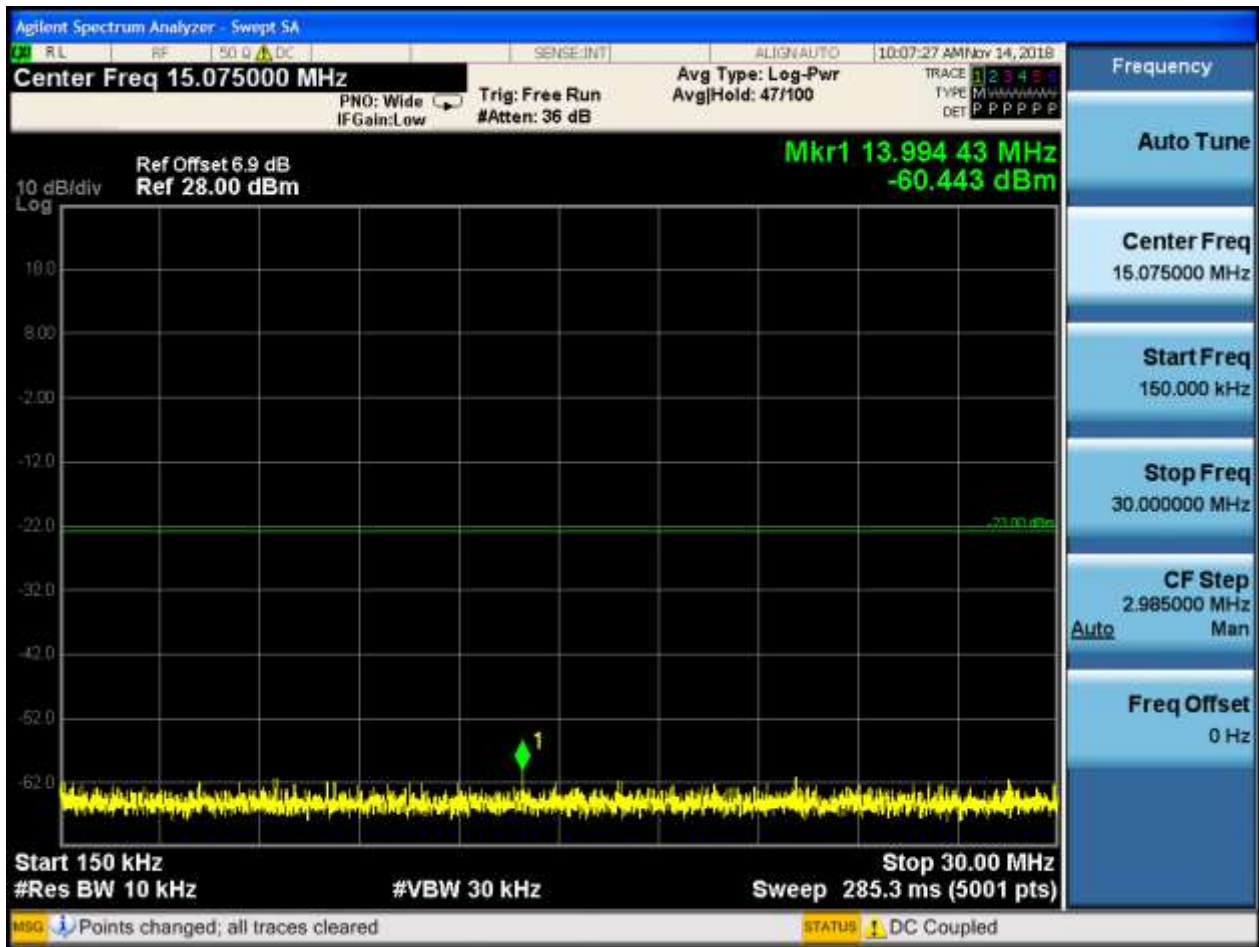


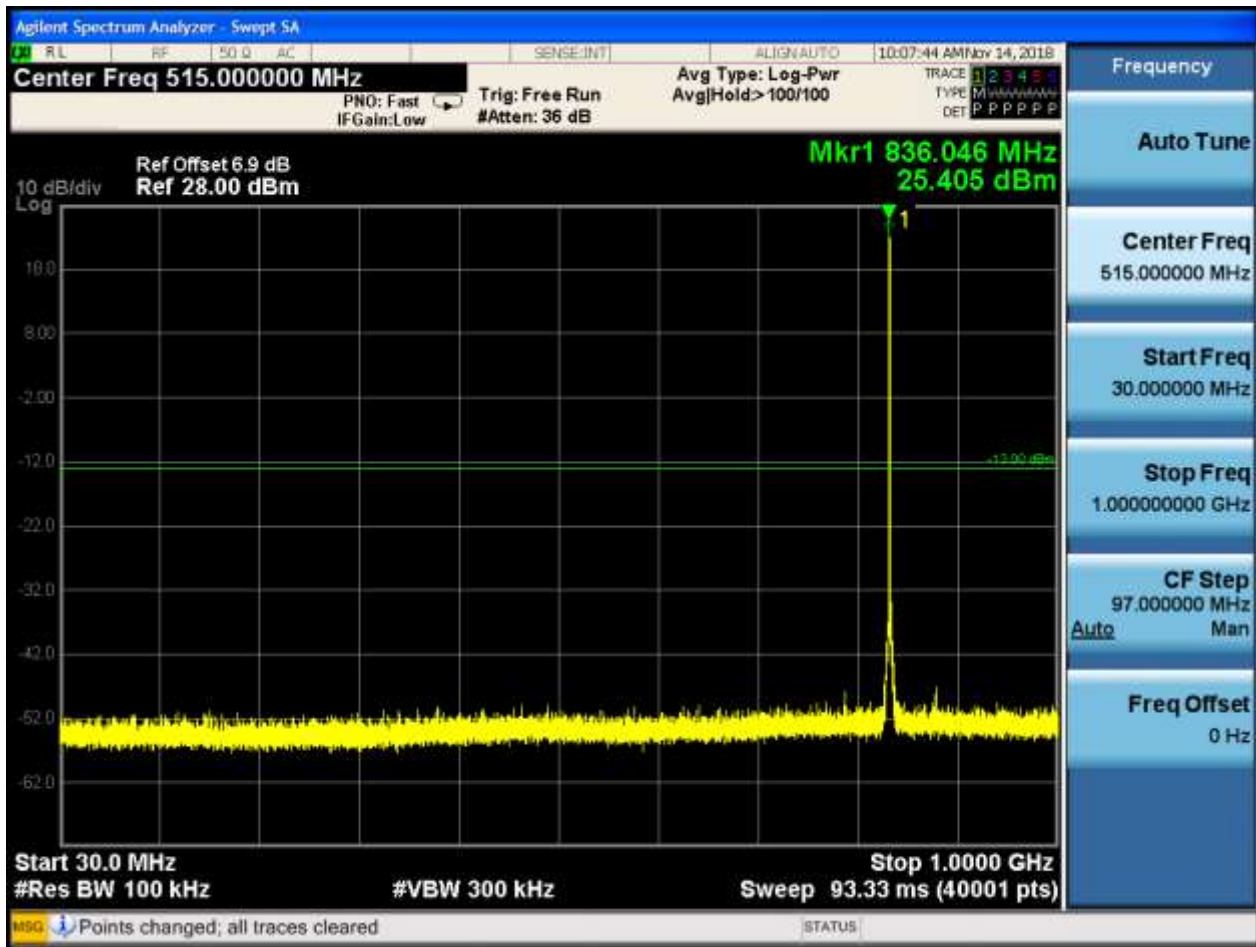


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0







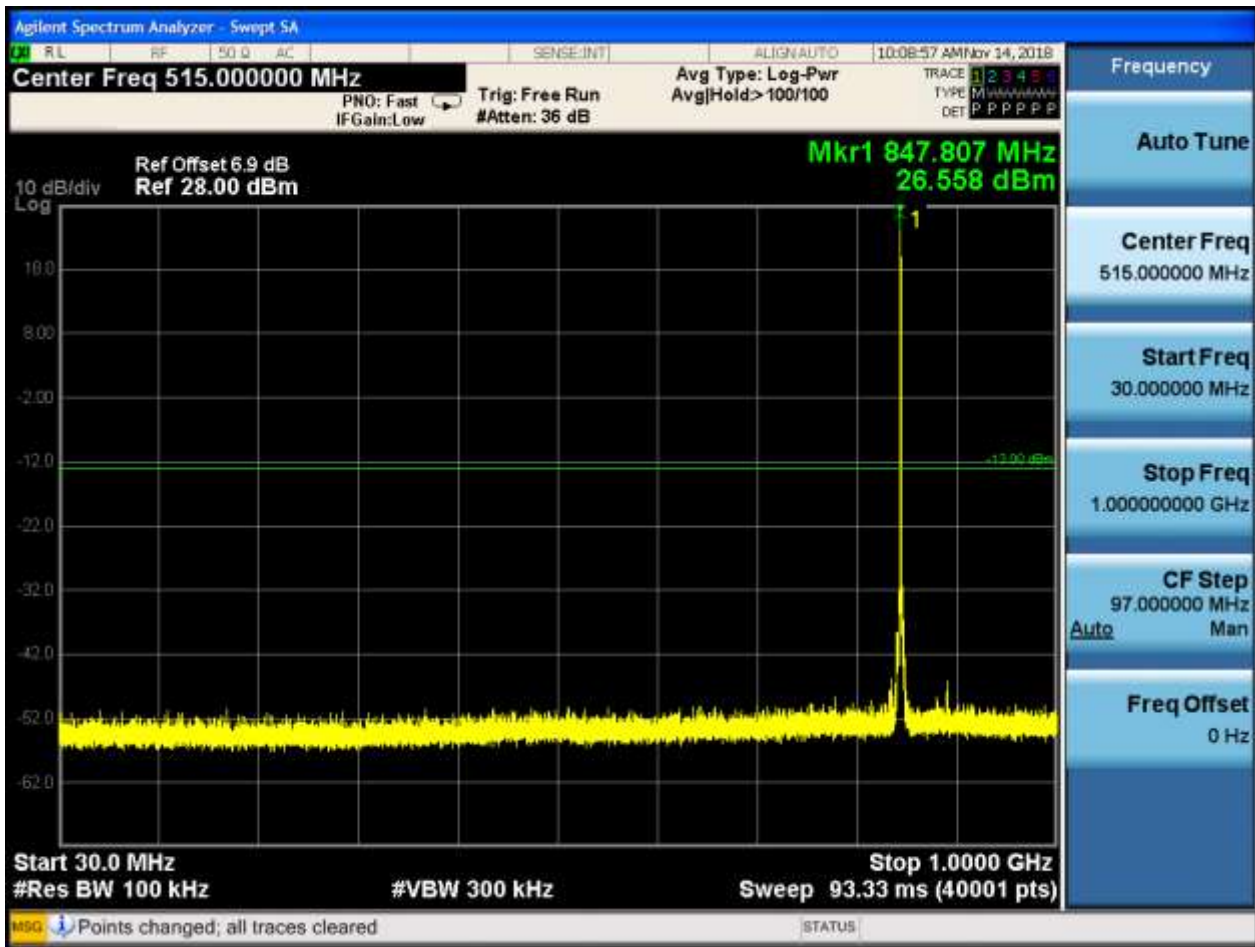


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





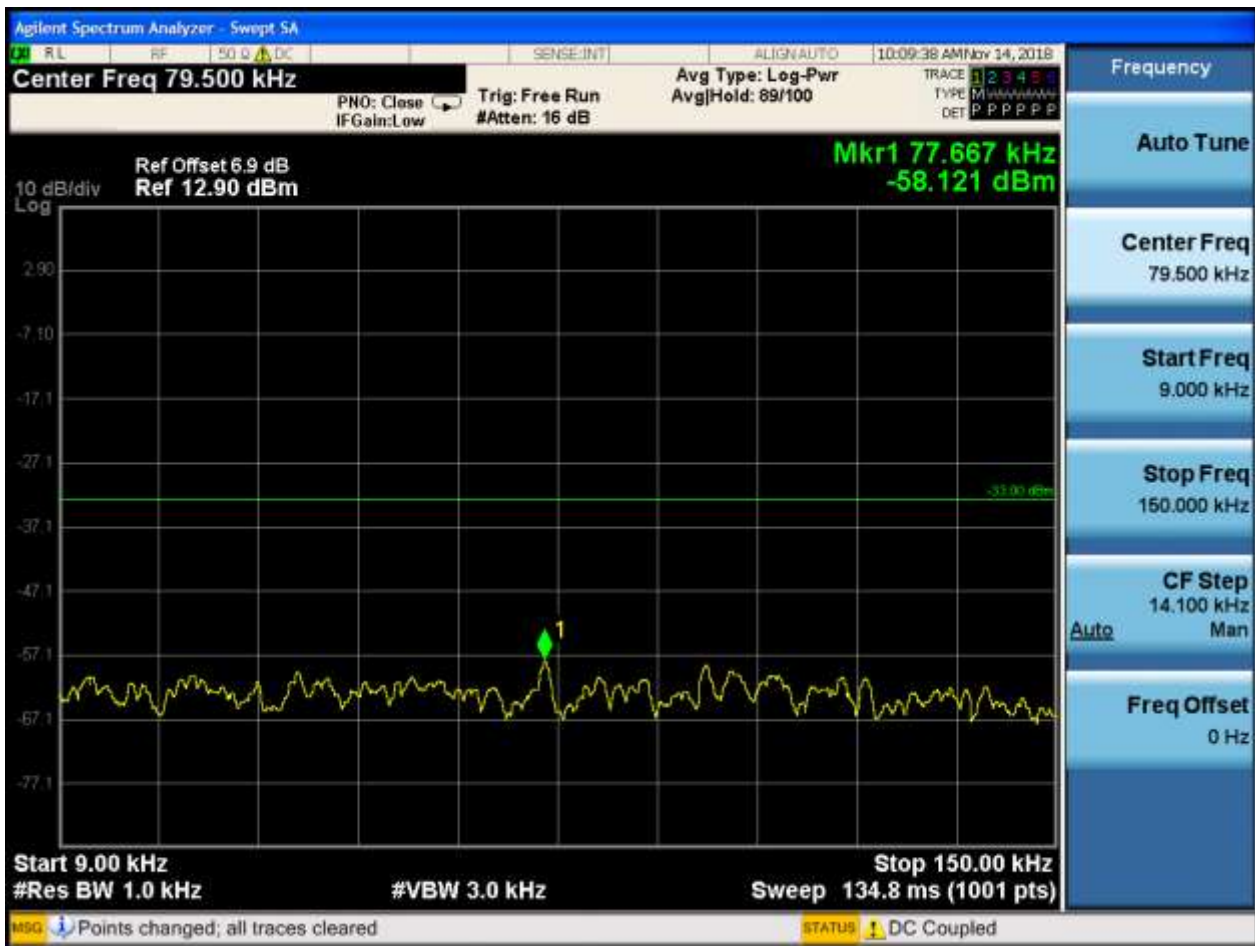


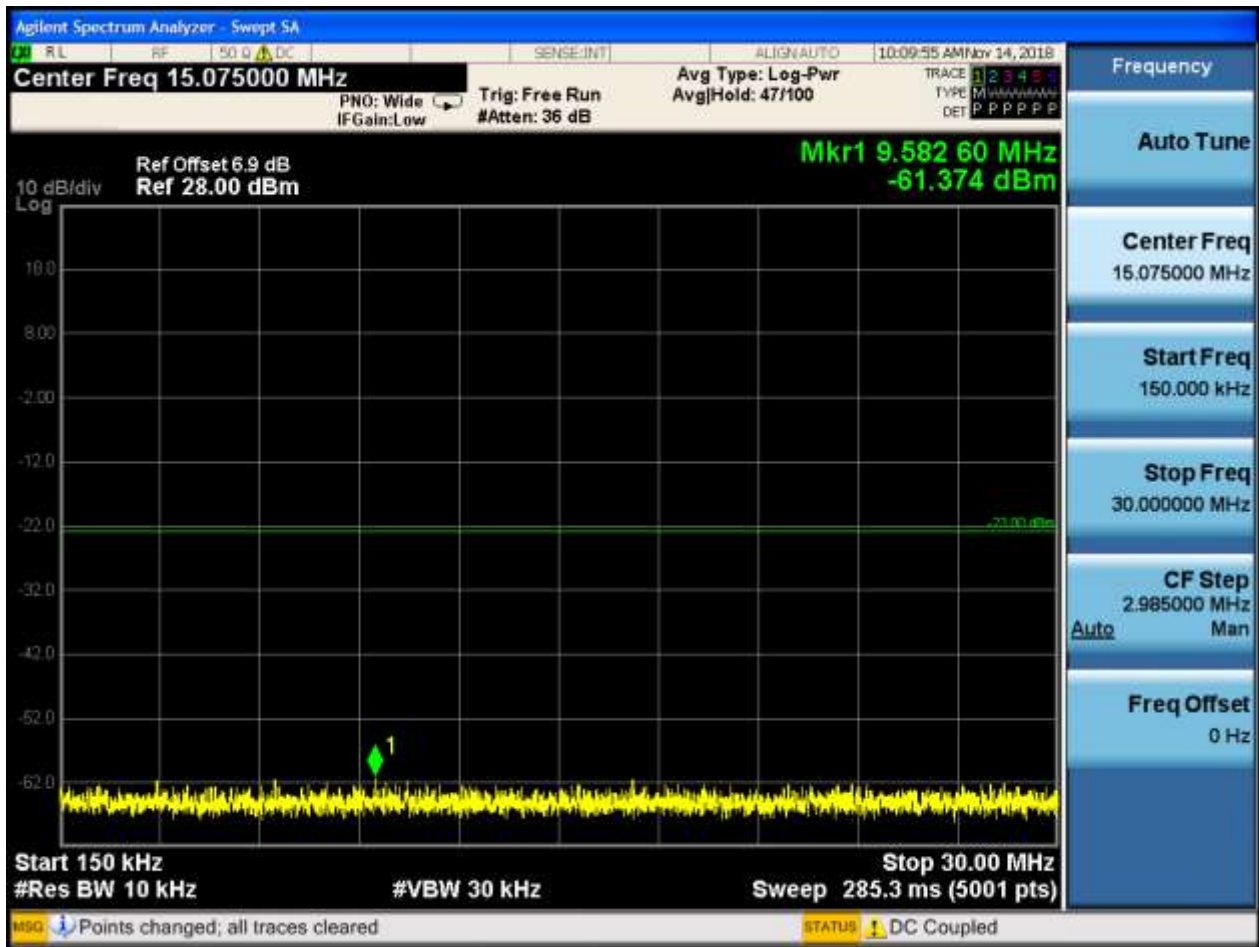


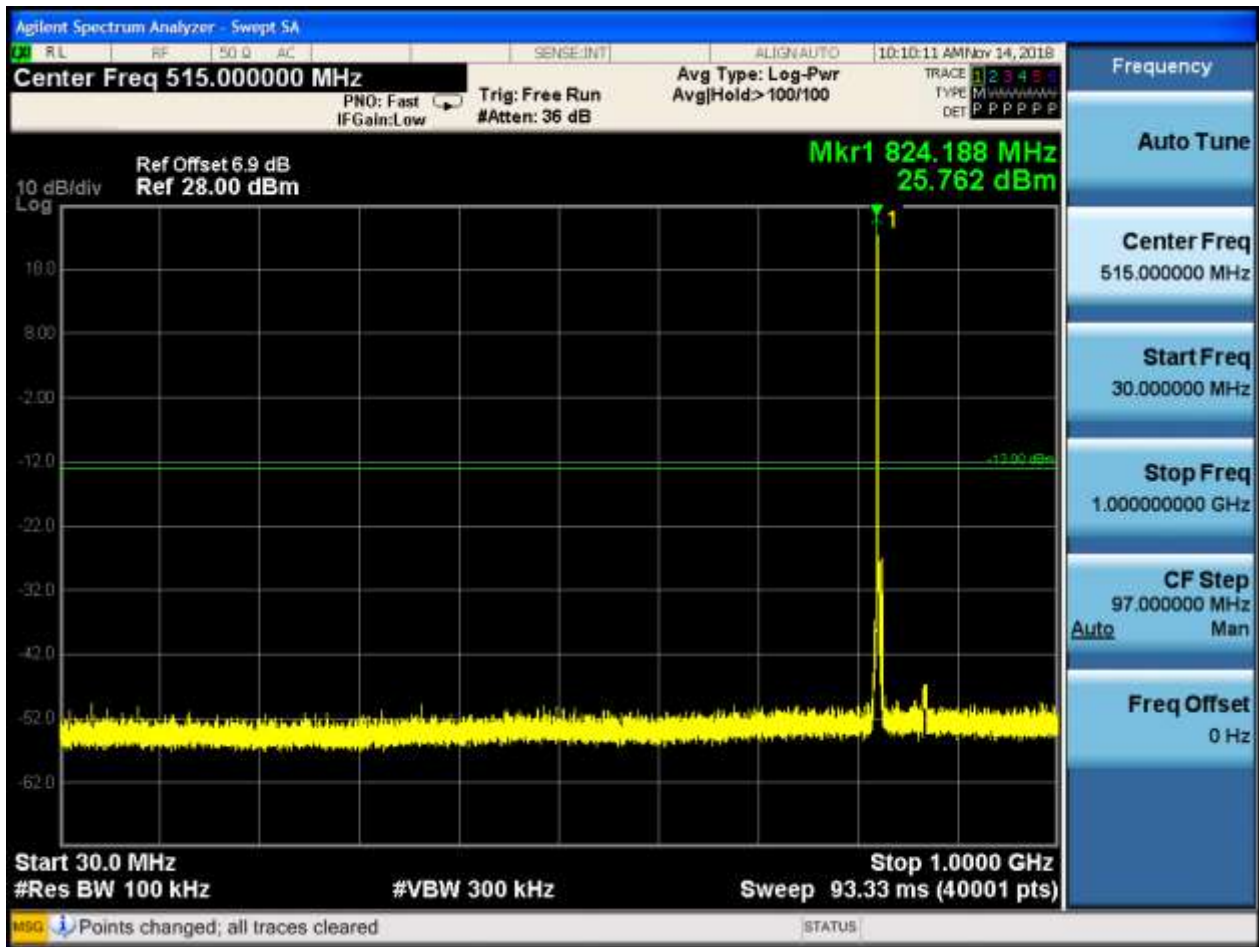
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0







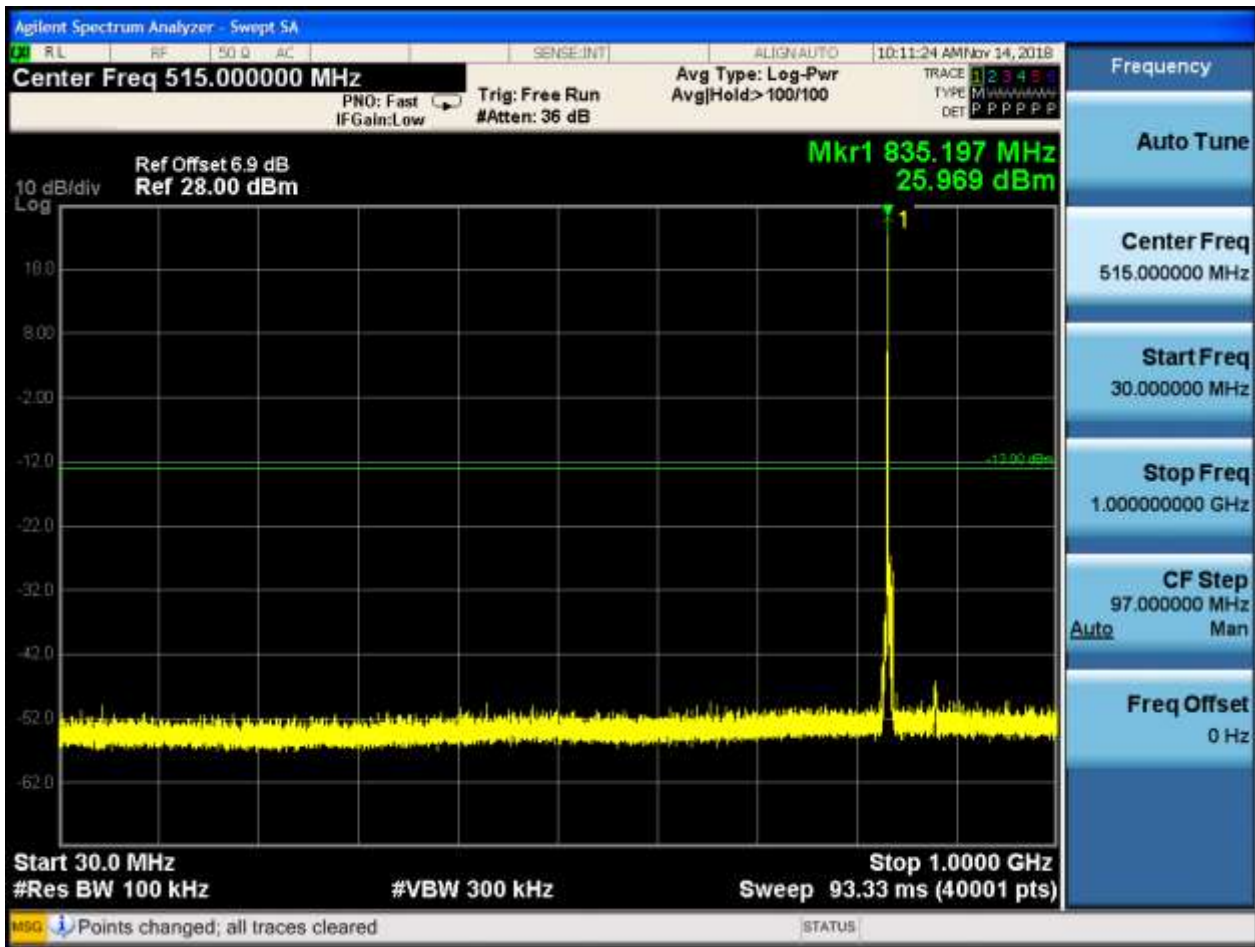


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0





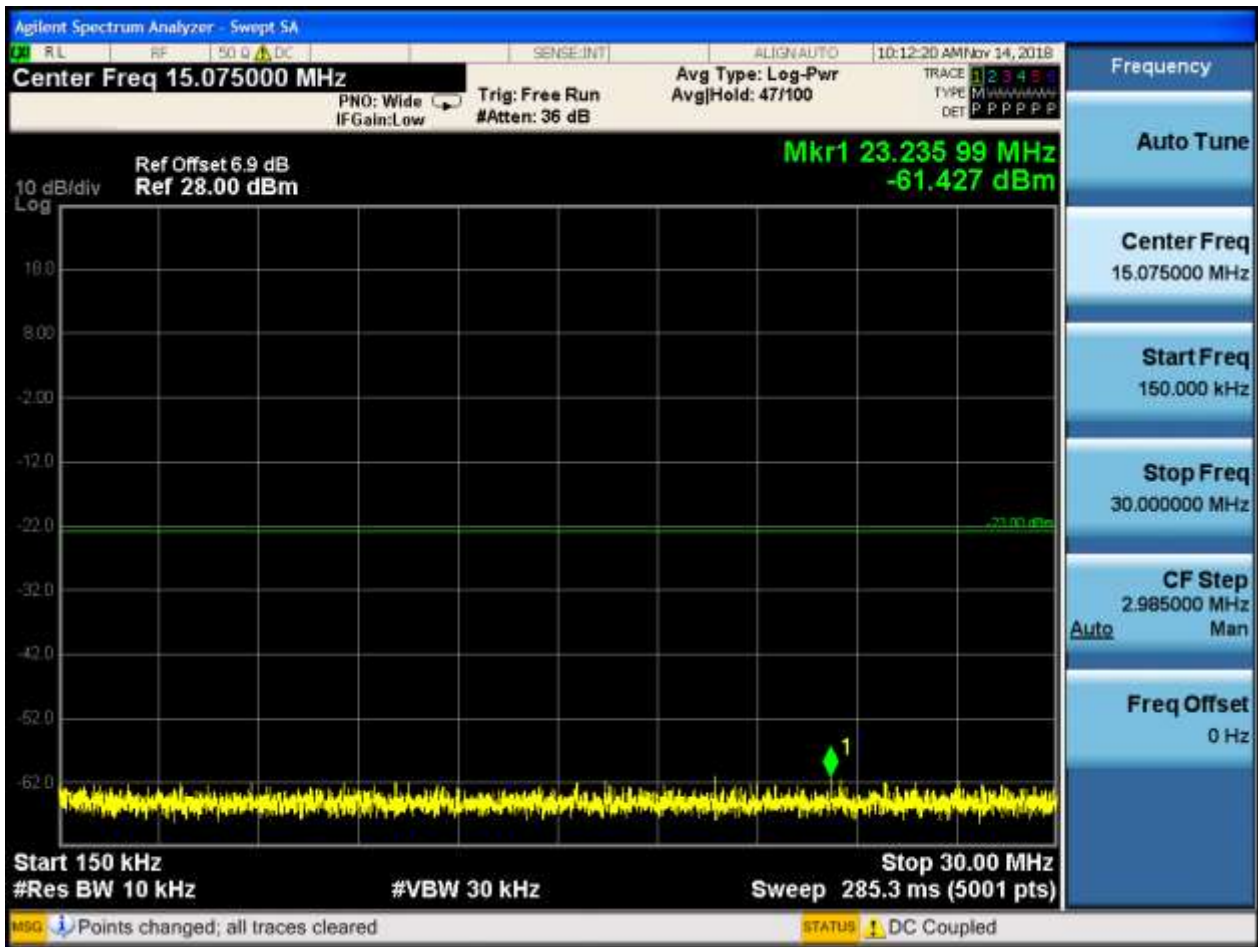


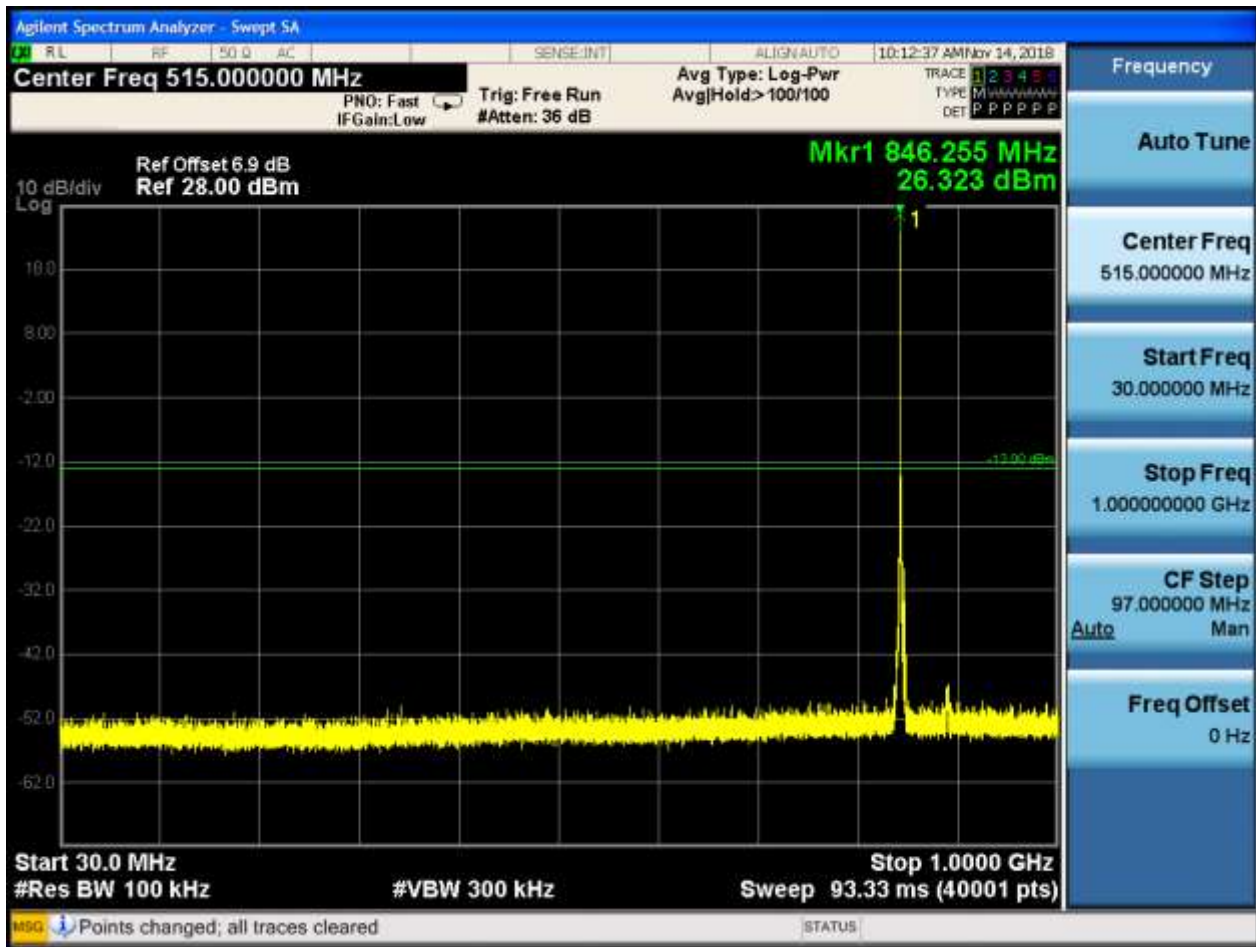


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





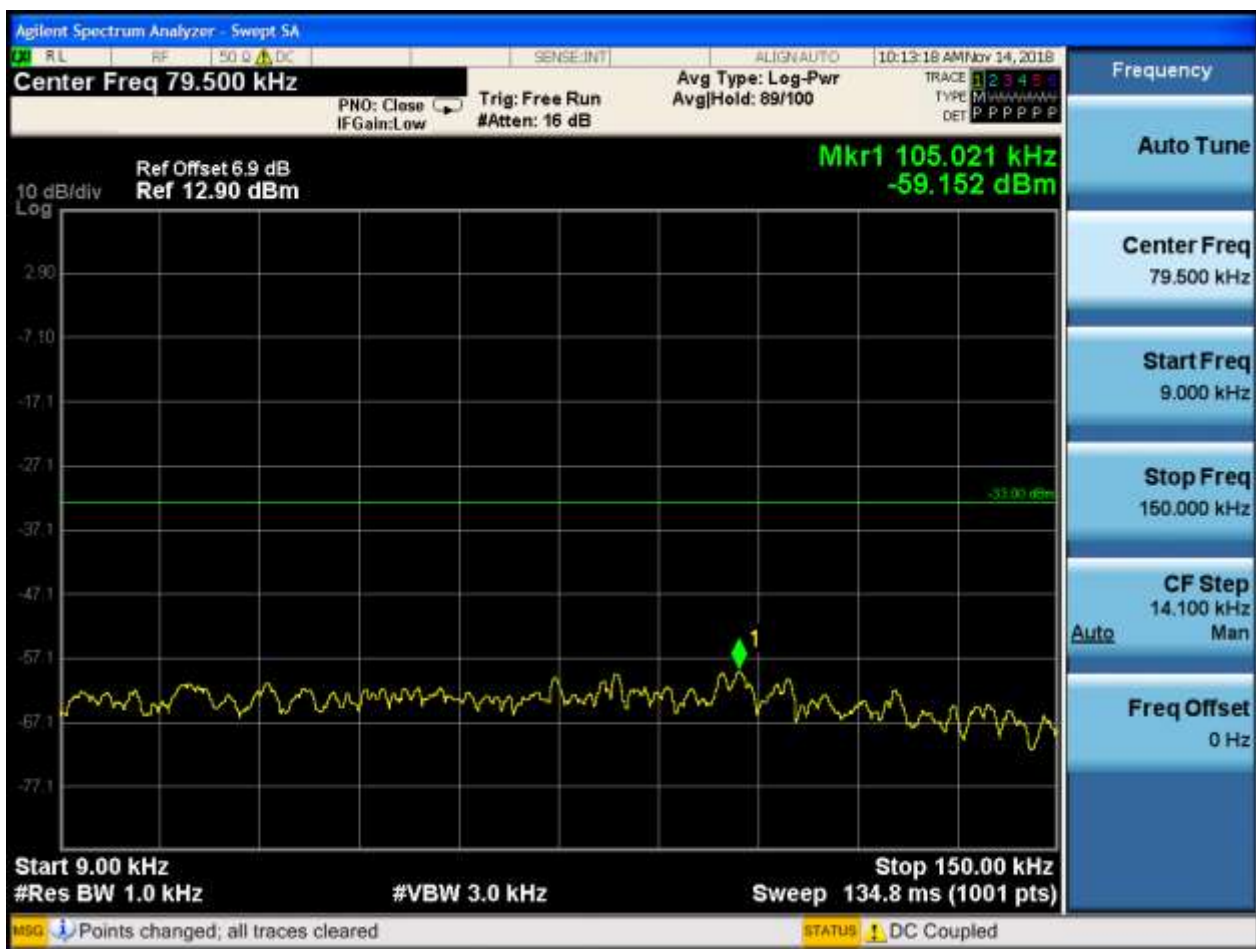


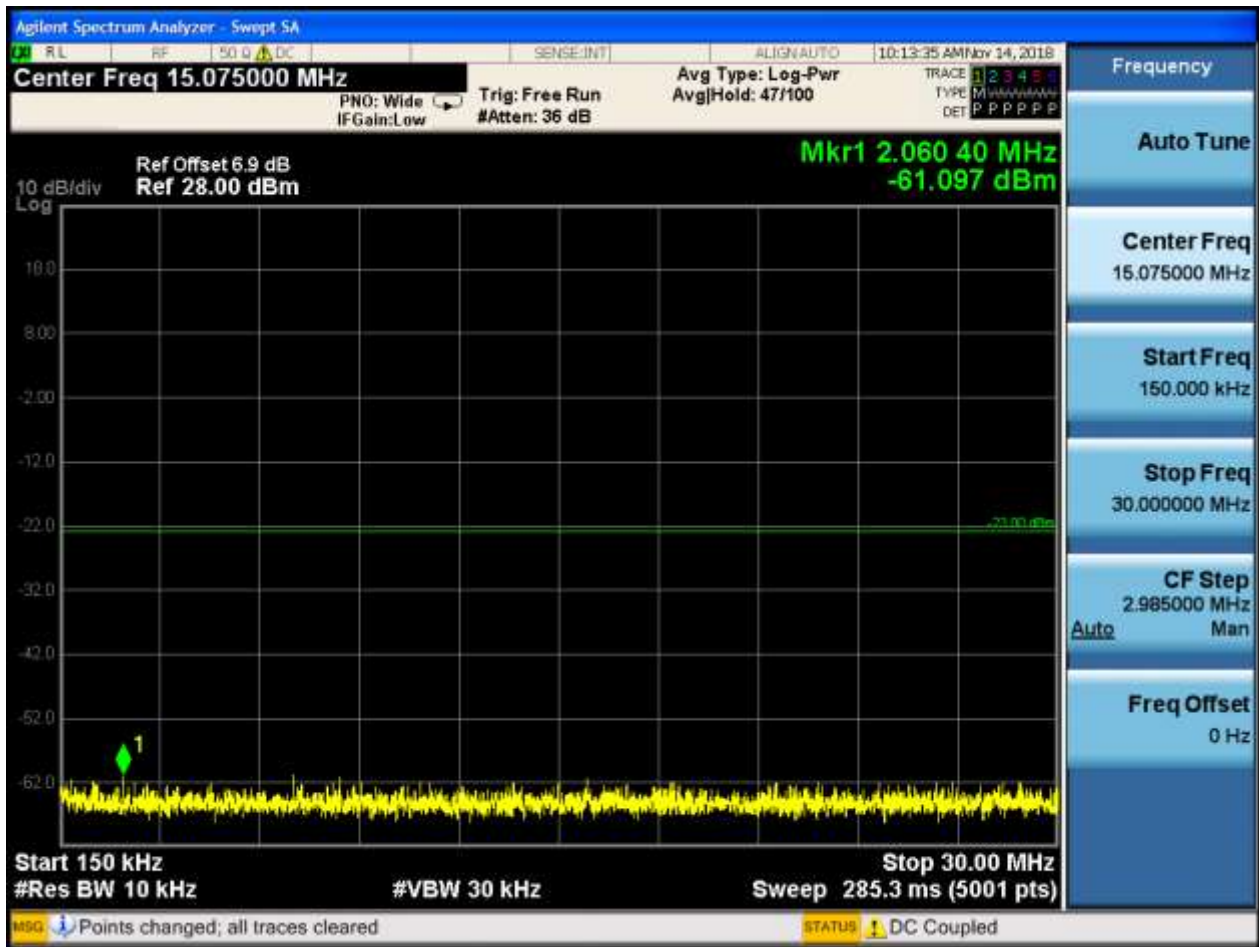


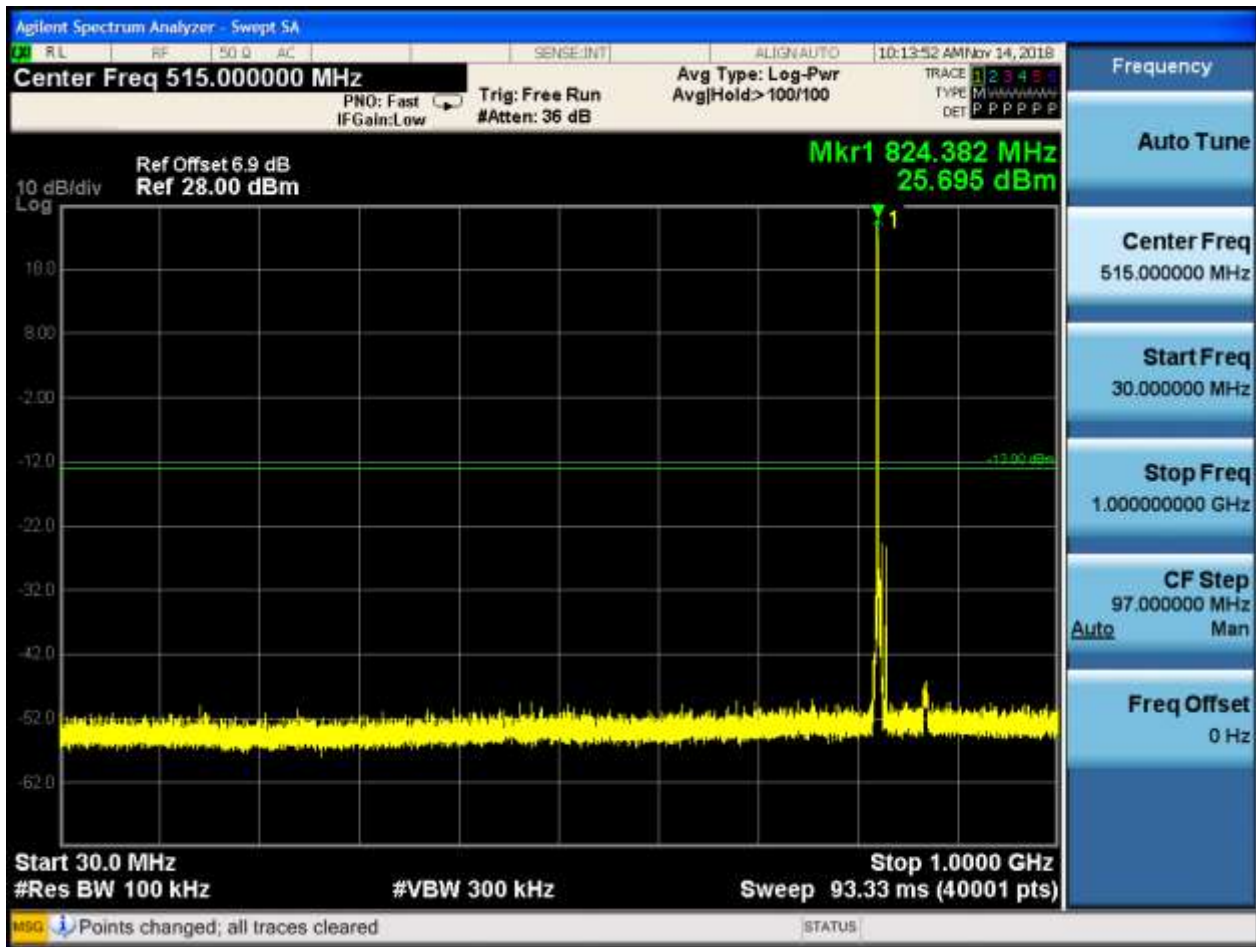
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





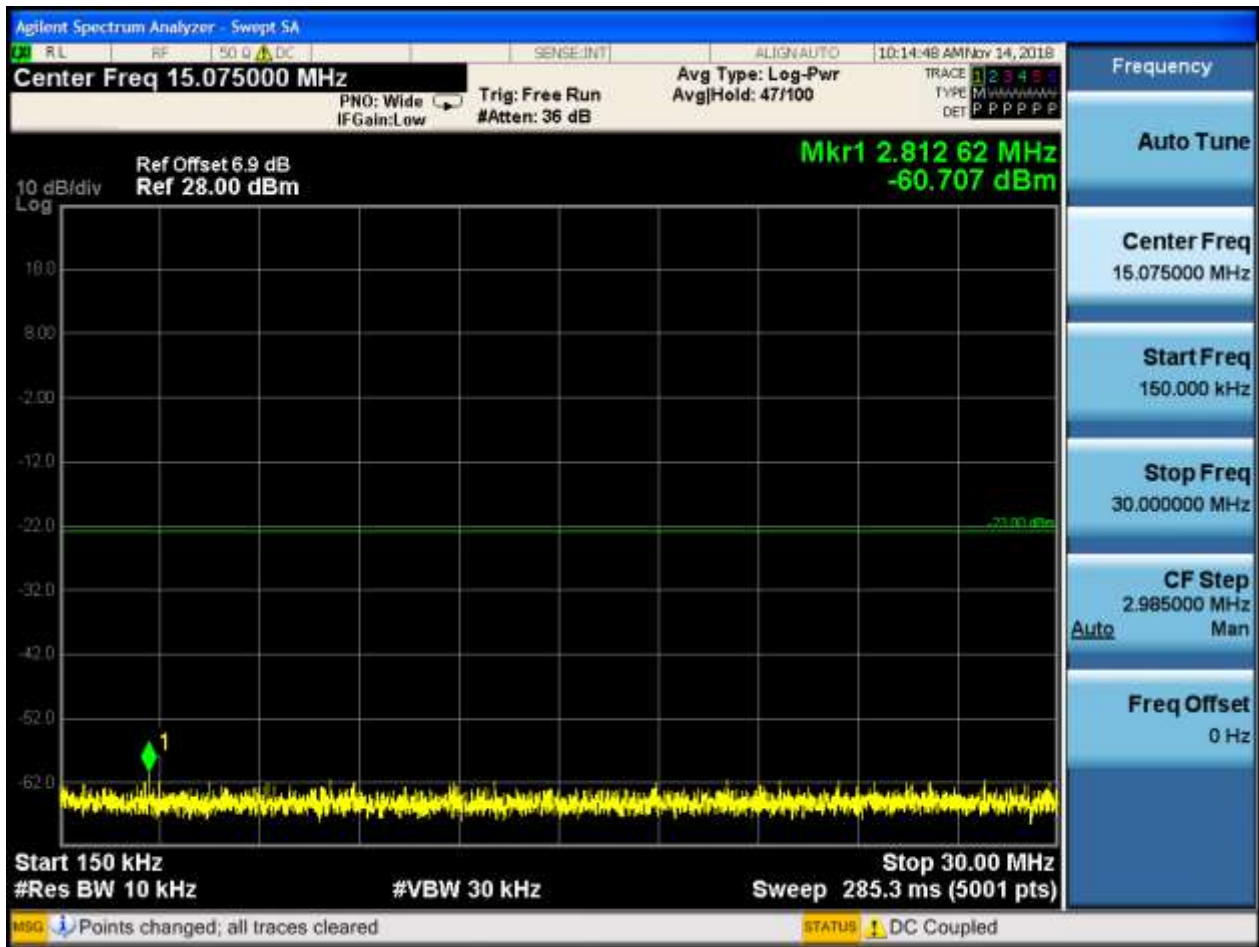


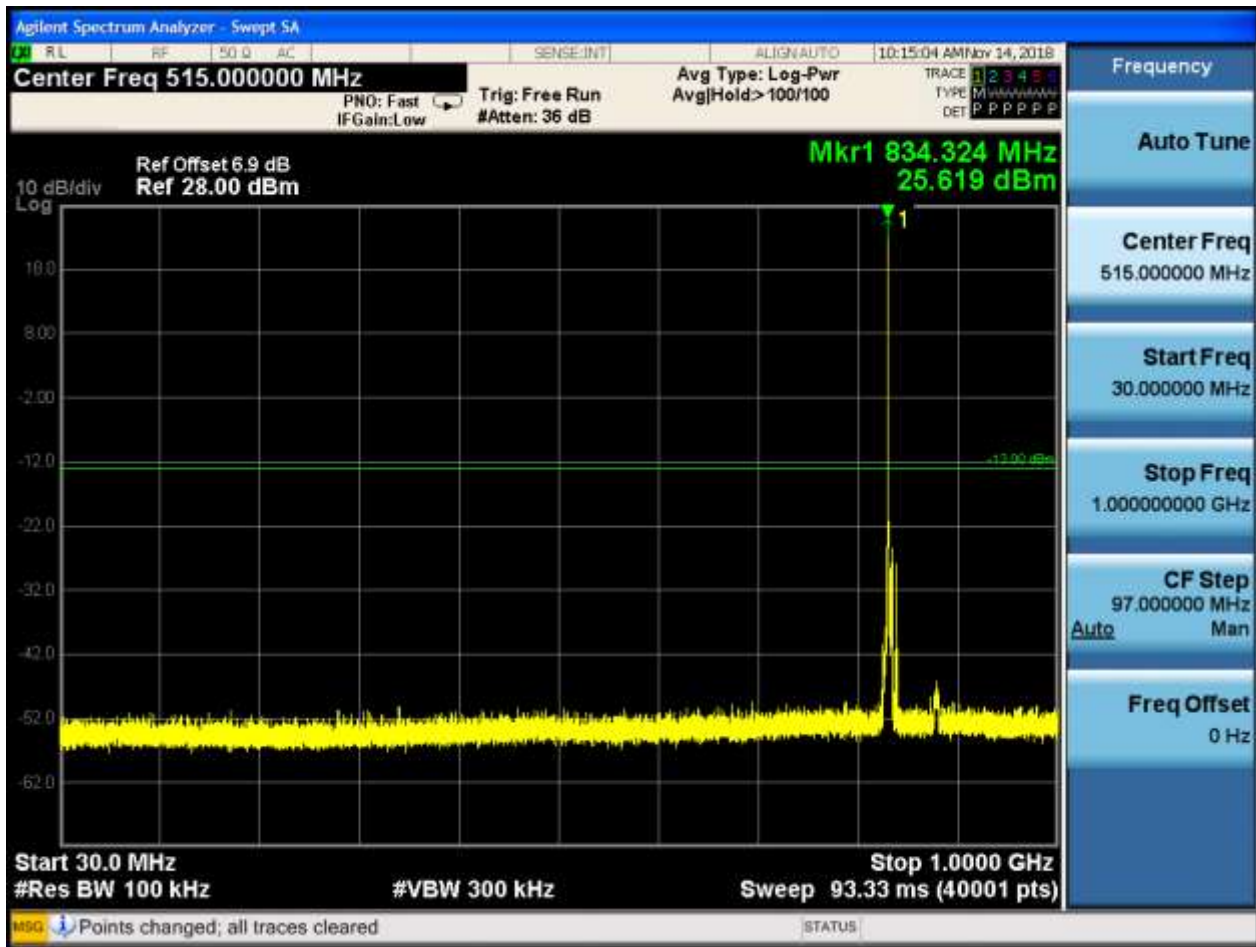


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





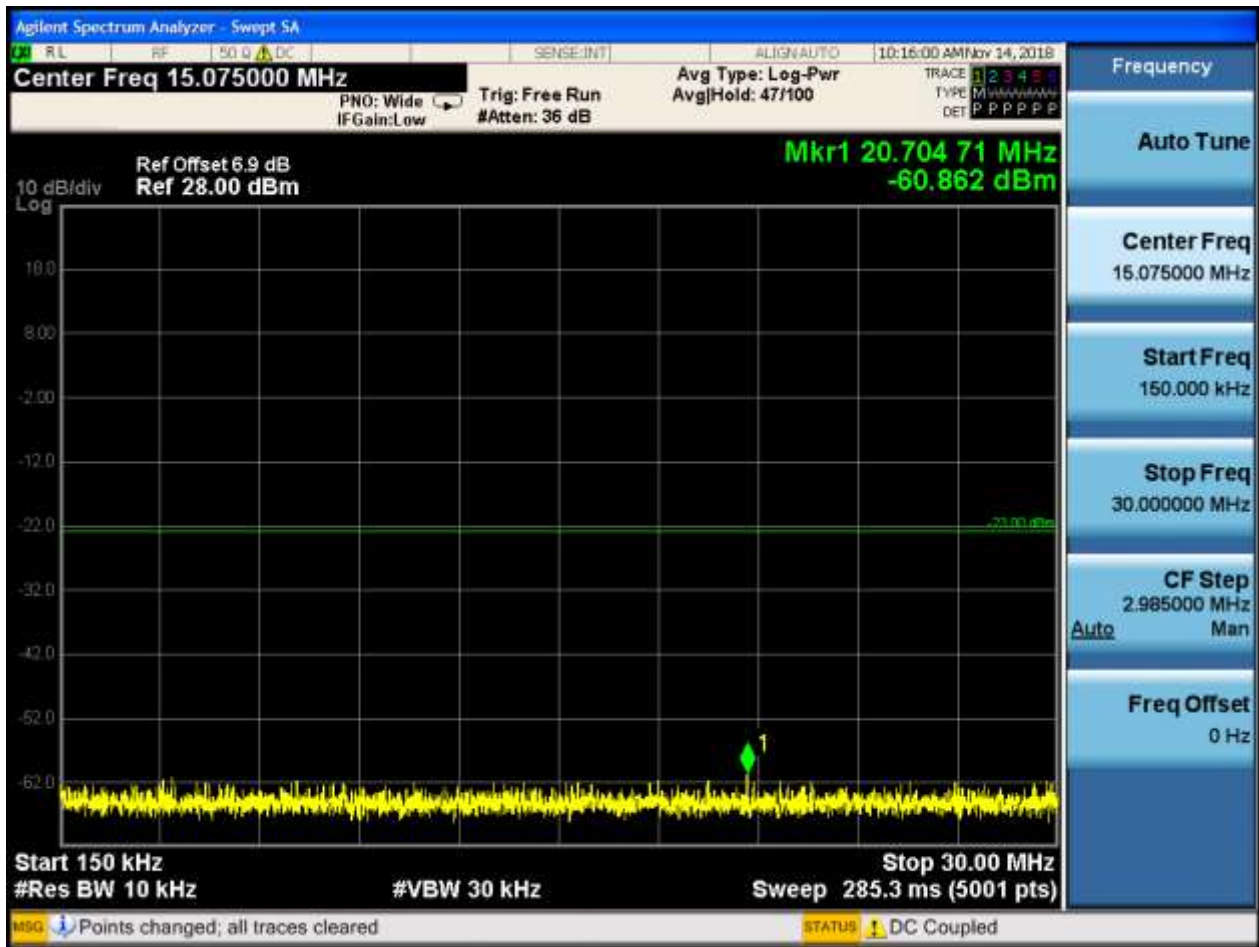


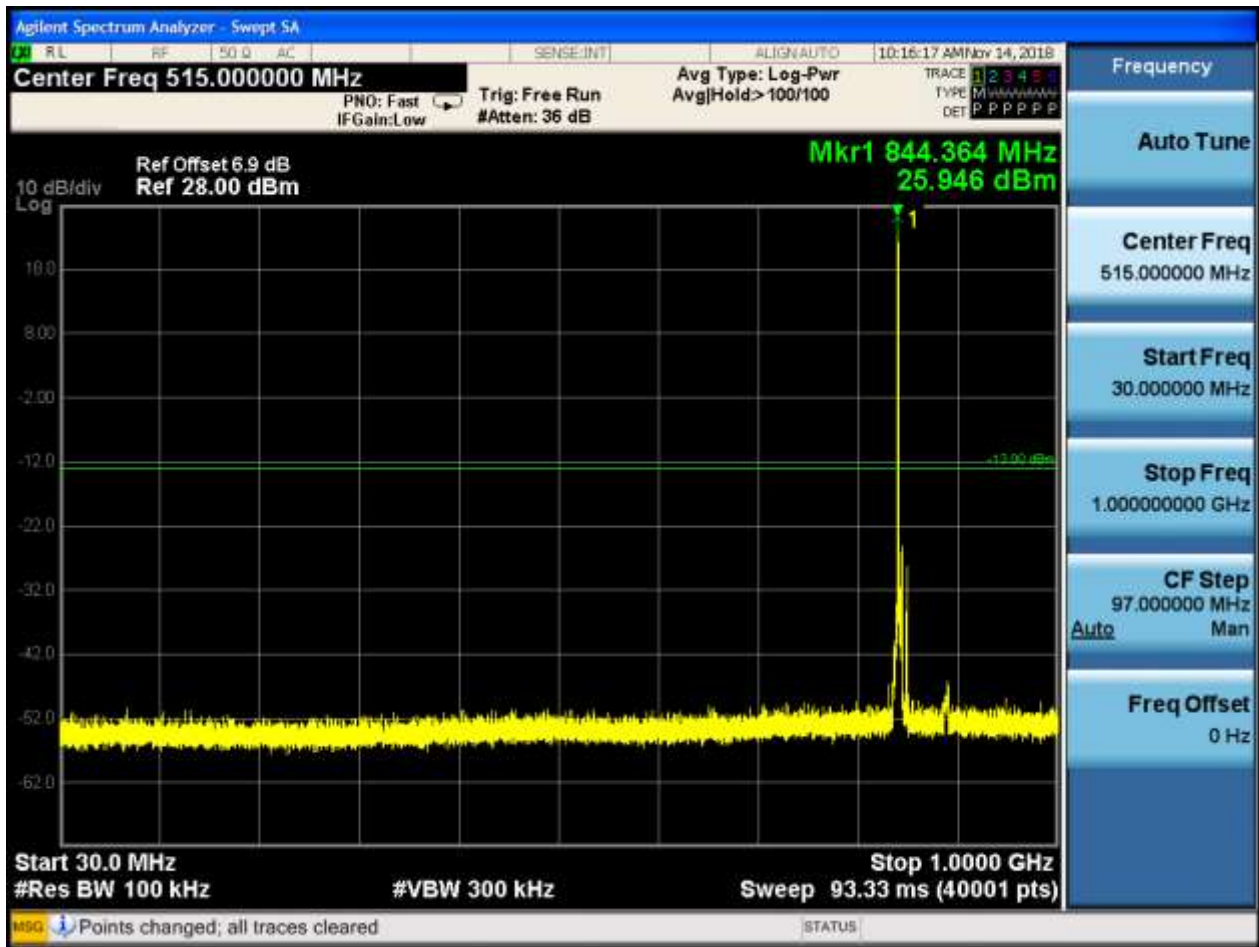


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







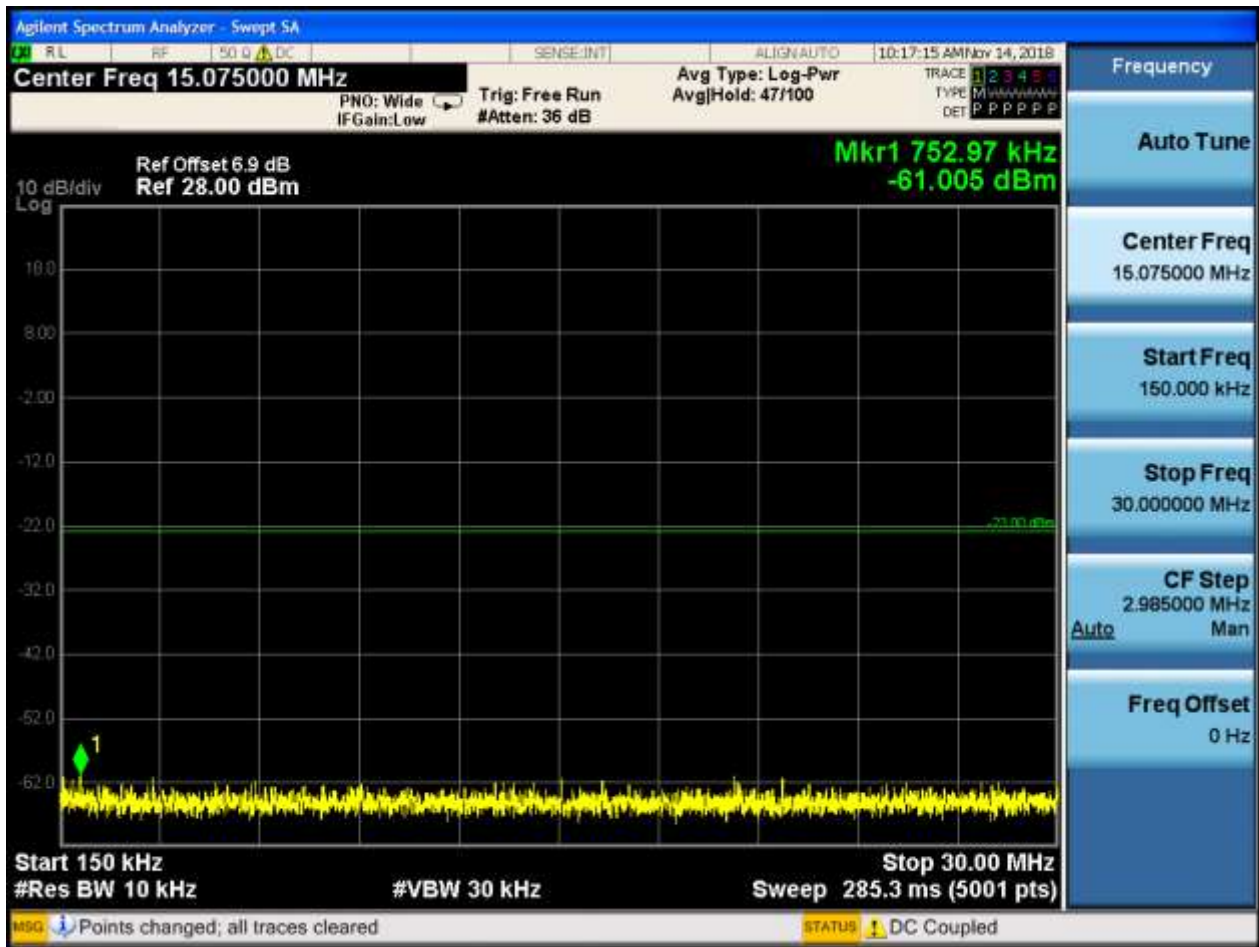


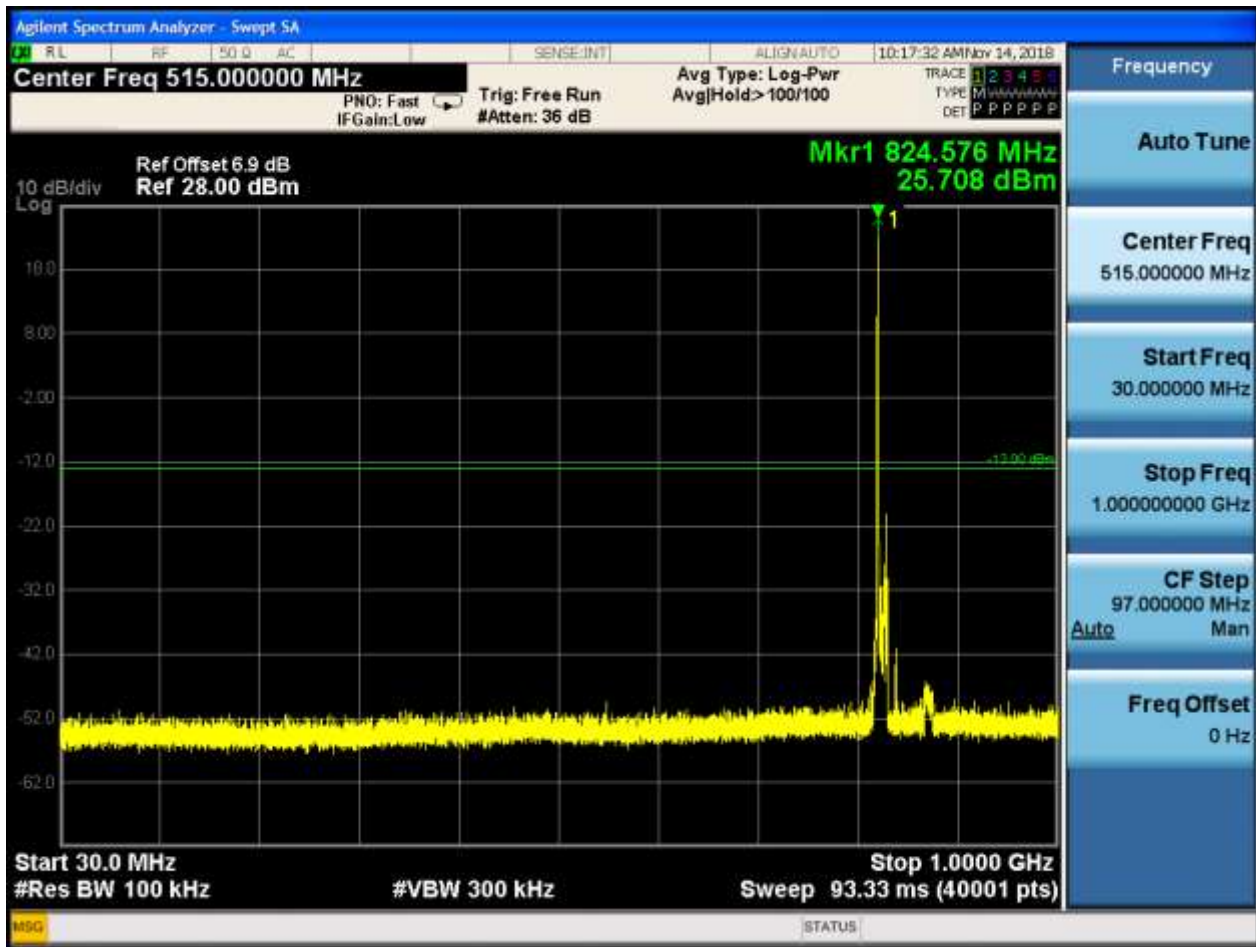
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





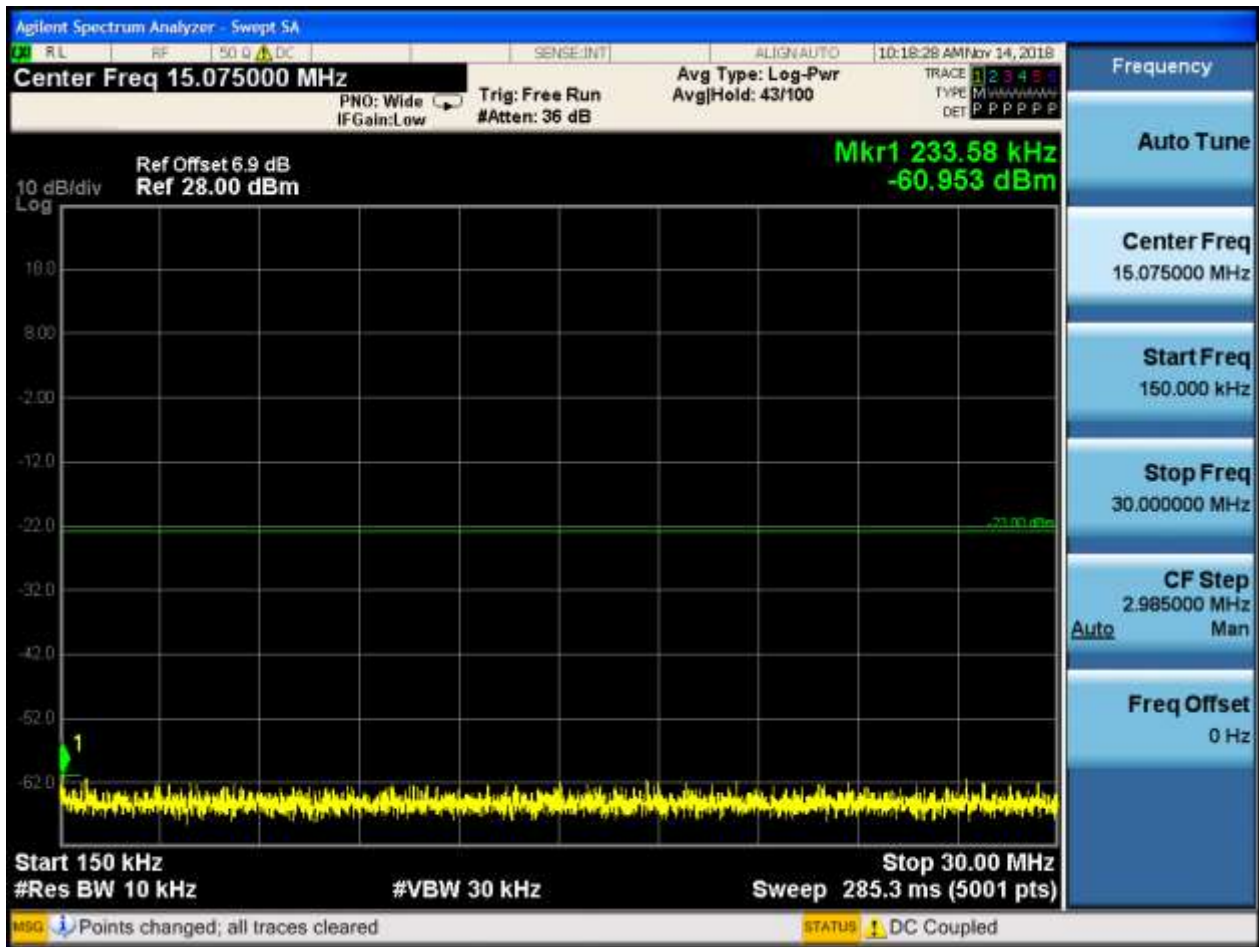


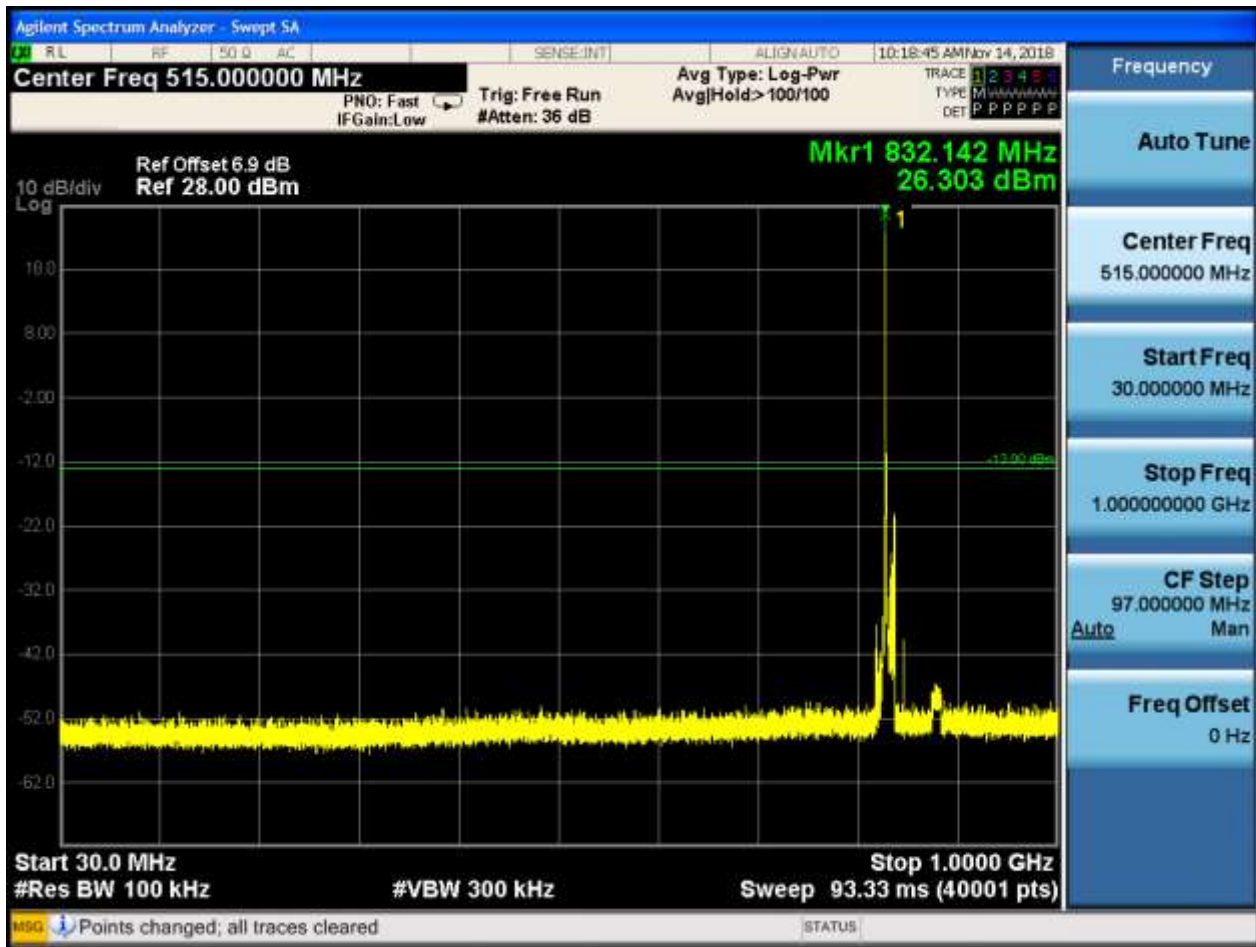


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0







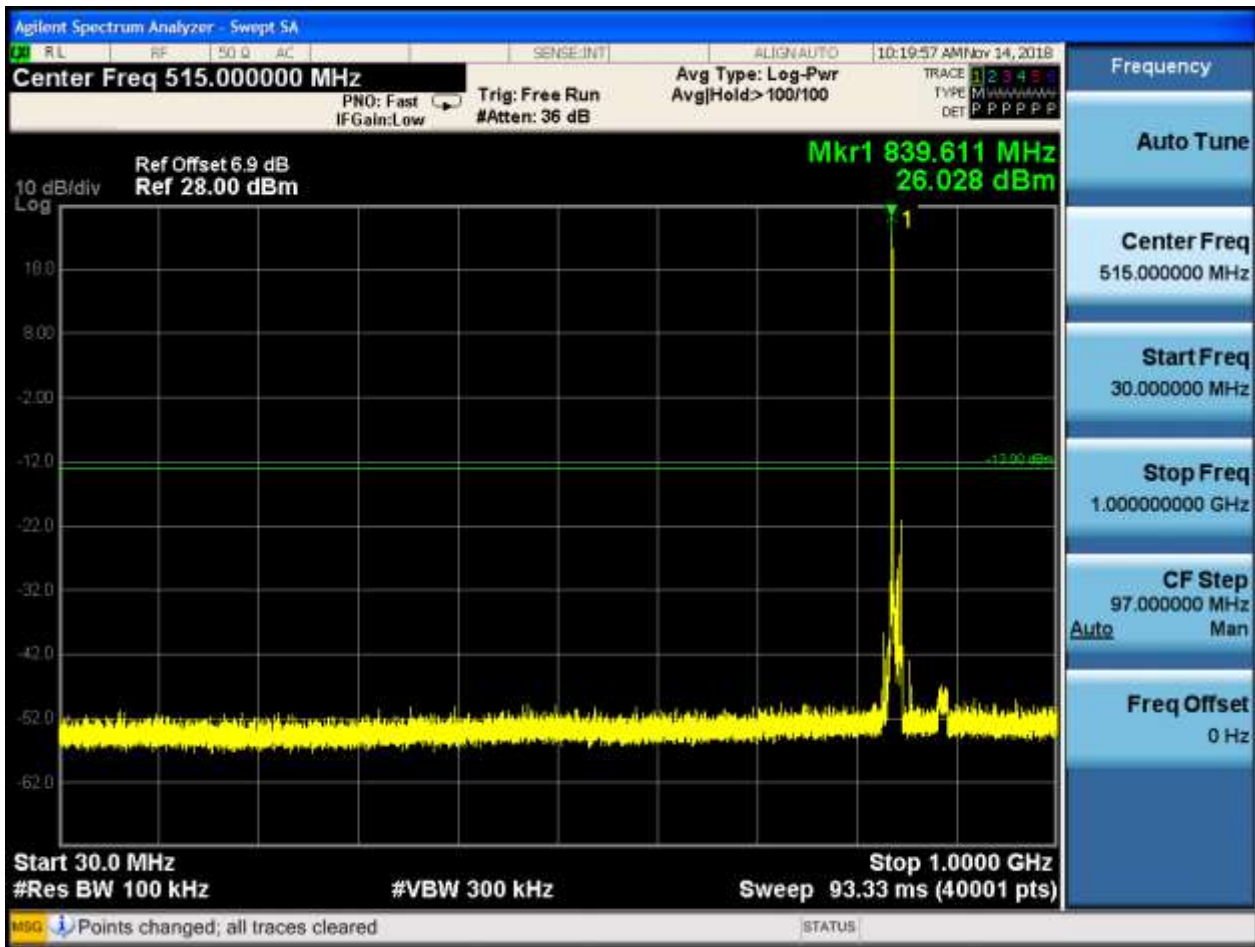


6.1.1.2.4.3 Test Channel = HCH

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

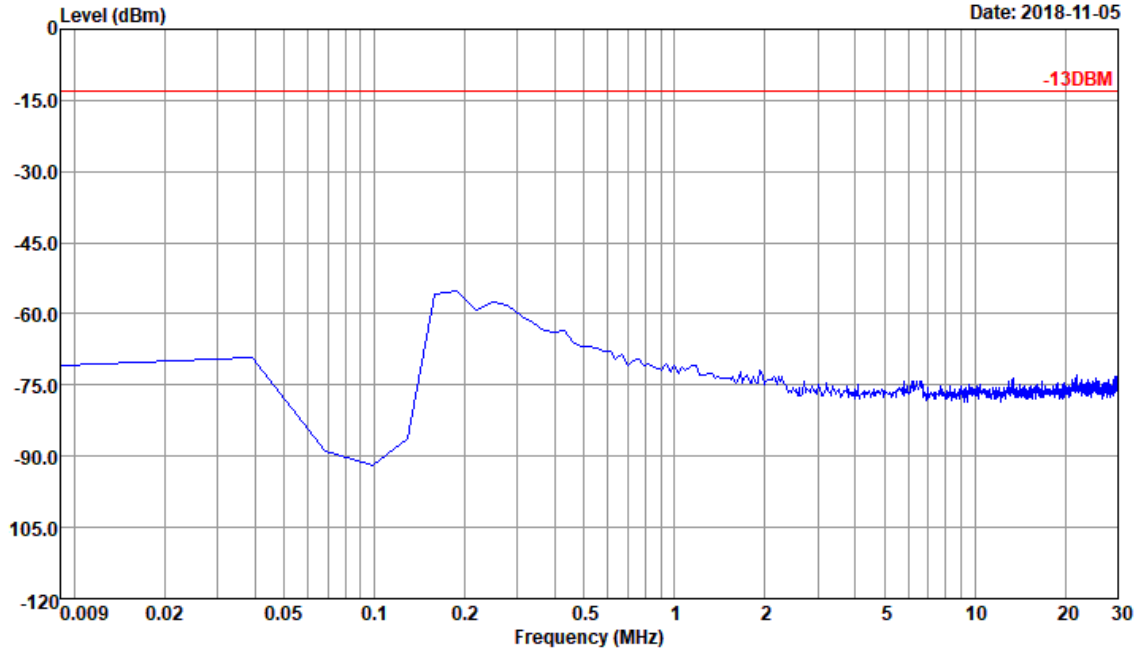
7.1.1 Test Band = BAND5

7.1.1.1 Test Bandwidth = 1.4



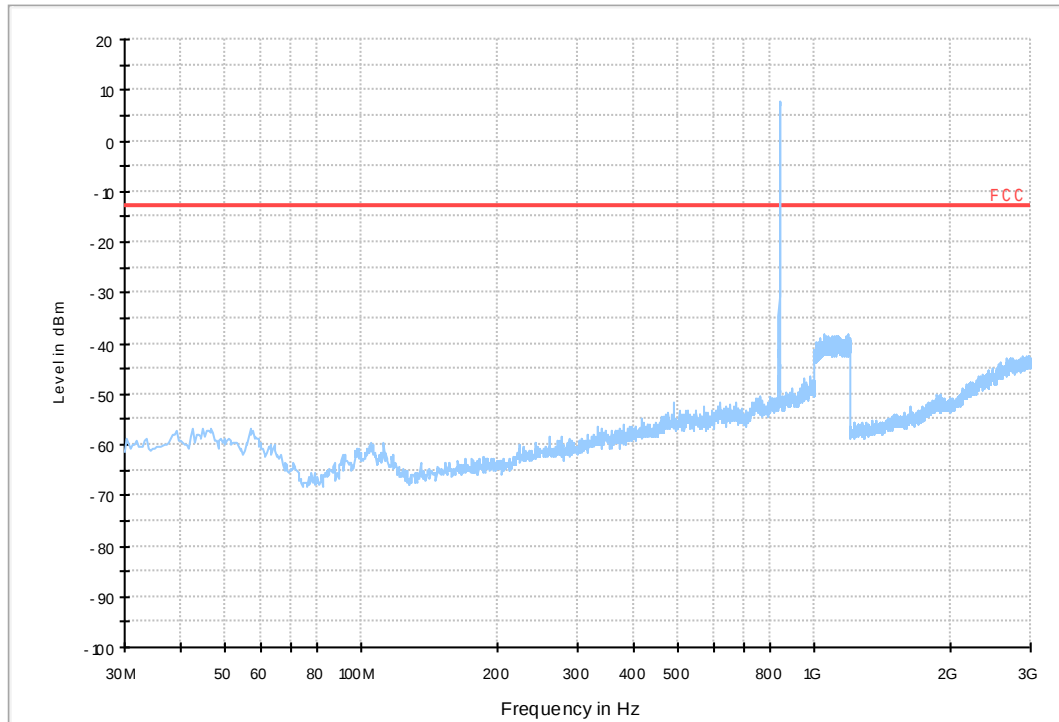
Data: 74

Date: 2018-11-05

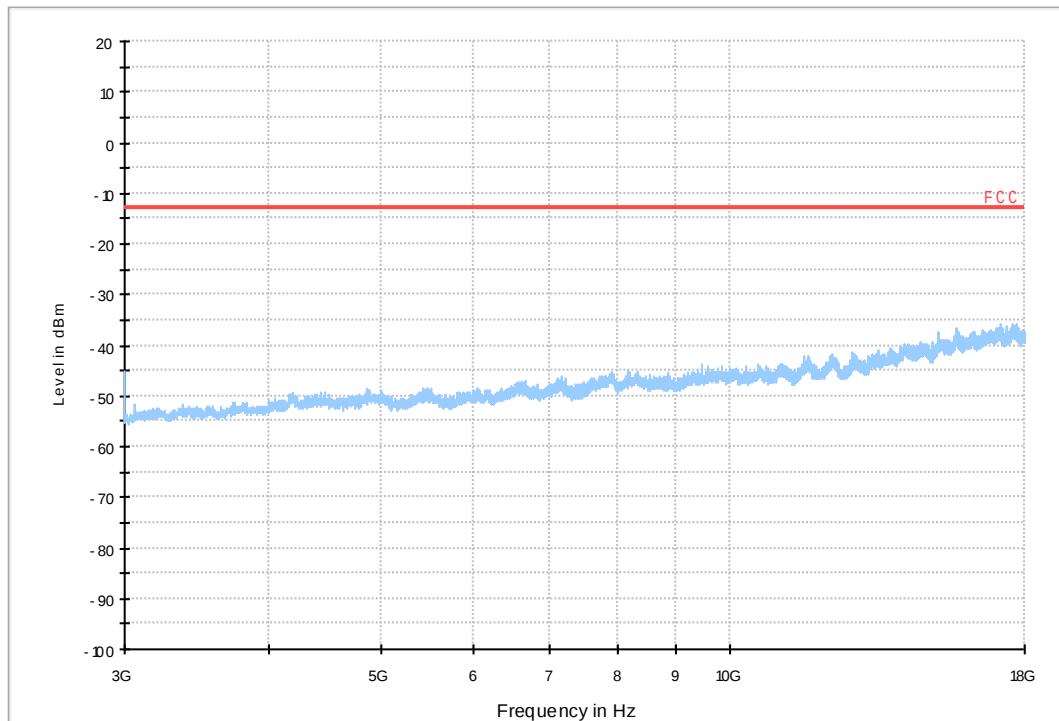


Site : 03CH01-SZ
Condition : -13DBM 9K-30M AMP NEUTRAL
: RBW:0.200KHz VBW:0.600KHz
: DUB-LX1#6 LTE

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

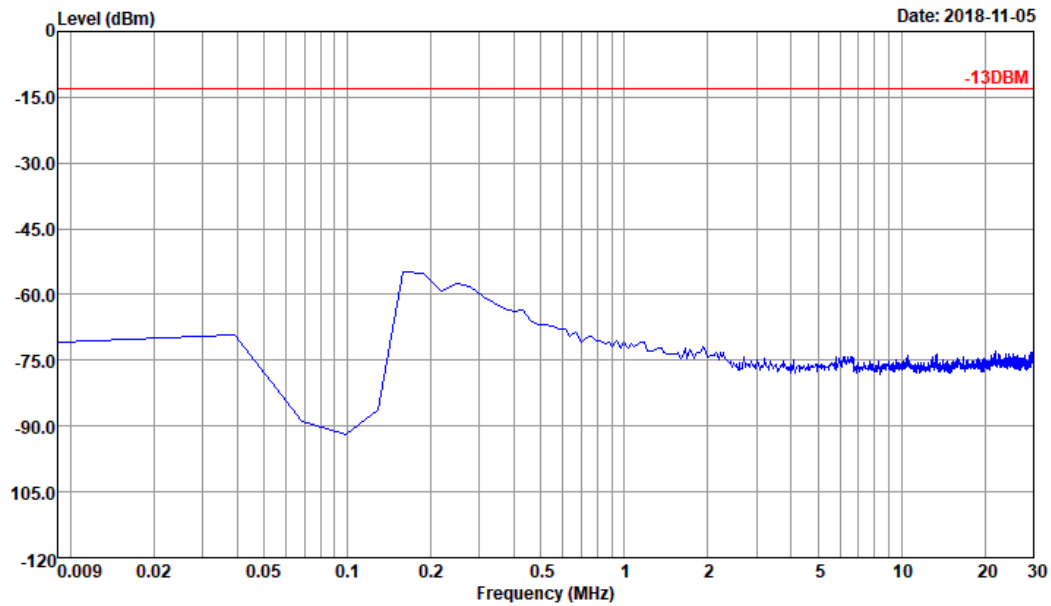


7.1.1.2 Test Bandwidth = 10



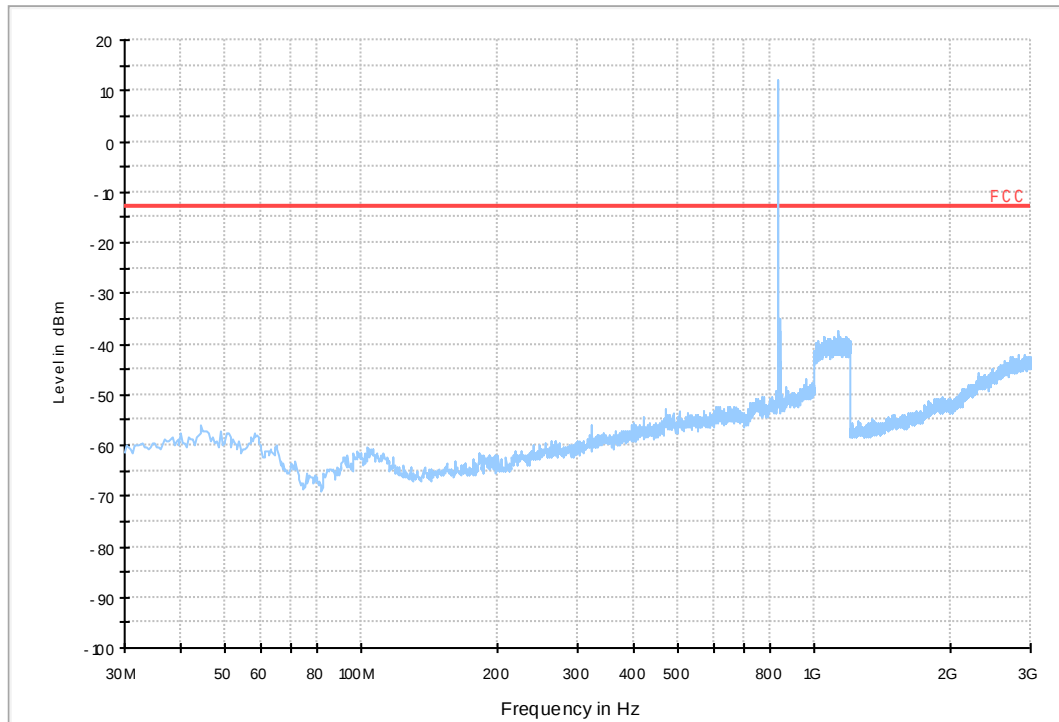
Data: 78

Date: 2018-11-05

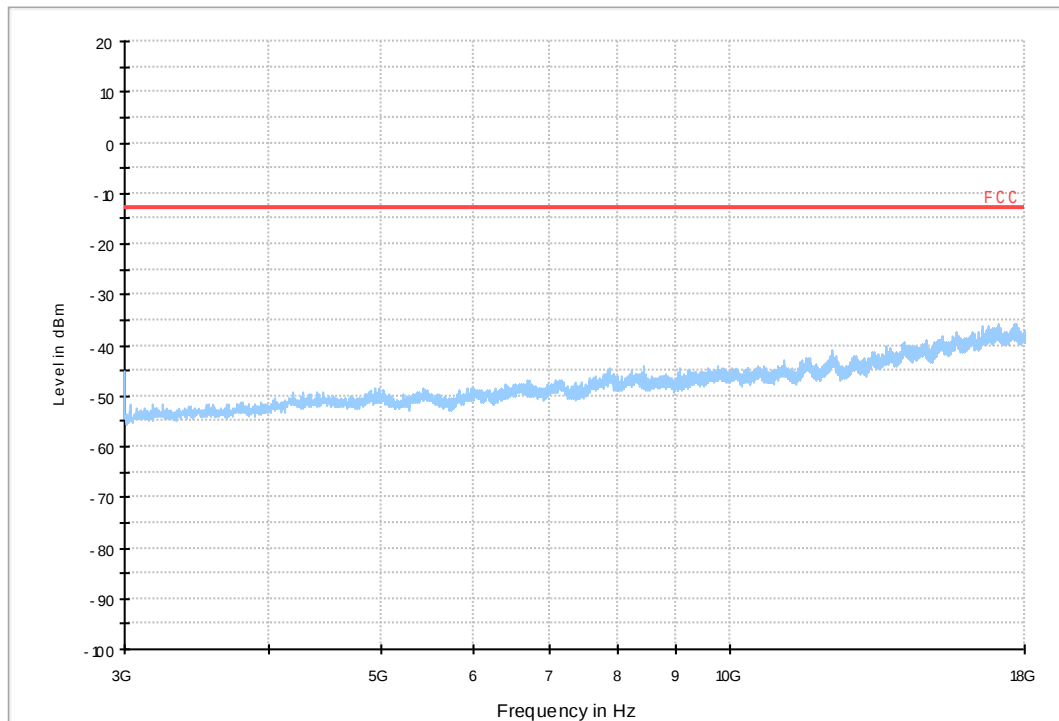


Site : 03CH01-SZ
Condition : -13DBM 9K-30M AMP NEUTRAL
: RBW:0.200KHz VBW:0.600KHz
: DUB-LX1#6 LTE

LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD 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	-0.47	-0.00057	PASS
					VN	-1.72	-0.00209	PASS
					VH	-1.54	-0.00187	PASS
			MCH	TN	VL	-1.72	-0.00206	PASS
					VN	0.59	0.00071	PASS
					VH	-0.13	-0.00016	PASS
			HCH	TN	VL	-0.51	-0.0006	PASS
					VN	-3.08	-0.00363	PASS
					VH	-0.11	-0.00013	PASS
		3	LCH	TN	VL	0.09	0.00011	PASS
					VN	-0.39	-0.00047	PASS
					VH	-0.41	-0.0005	PASS
			MCH	TN	VL	-1.32	-0.00158	PASS
					VN	-0.73	-0.00087	PASS
					VH	0.34	0.00041	PASS
			HCH	TN	VL	-1.96	-0.00231	PASS
					VN	-1.3	-0.00153	PASS
					VH	-1.9	-0.00224	PASS
		5	LCH	TN	VL	-0.86	-0.00104	PASS
					VN	-1	-0.00121	PASS
					VH	-1.17	-0.00142	PASS
			MCH	TN	VL	-0.9	-0.00108	PASS
					VN	-1.16	-0.00139	PASS
					VH	-0.29	-0.00035	PASS
			HCH	TN	VL	-0.24	-0.00028	PASS
					VN	0.51	0.0006	PASS
					VH	0.01	0.00001	PASS
		10	LCH	TN	VL	-1.14	-0.00138	PASS
					VN	-0.19	-0.00023	PASS
					VH	-1.17	-0.00141	PASS

	LTE/TM2		MCH	TN	VL	-0.14	-0.00017	PASS
					VN	-0.1	-0.00012	PASS
					VH	-0.74	-0.00088	PASS
		HCH	TN		VL	-0.6	-0.00071	PASS
					VN	-0.84	-0.001	PASS
					VH	-0.63	-0.00075	PASS
		1.4	LCH	TN	VL	-0.07	-0.00008	PASS
					VN	-1.87	-0.00227	PASS
					VH	-2	-0.00243	PASS
			MCH	TN	VL	-0.49	-0.00059	PASS
					VN	-1.66	-0.00198	PASS
					VH	-0.99	-0.00118	PASS
			HCH	TN	VL	0.39	0.00046	PASS
					VN	0.7	0.00083	PASS
					VH	-1.07	-0.00126	PASS
		3	LCH	TN	VL	-0.41	-0.0005	PASS
					VN	-0.77	-0.00093	PASS
					VH	-0.07	-0.00008	PASS
			MCH	TN	VL	-0.2	-0.00024	PASS
					VN	-1.06	-0.00127	PASS
					VH	-1.04	-0.00124	PASS
			HCH	TN	VL	-1.33	-0.00157	PASS
					VN	-1.09	-0.00129	PASS
					VH	-2.5	-0.00295	PASS
		5	LCH	TN	VL	-2.62	-0.00317	PASS
					VN	-1.85	-0.00224	PASS
					VH	-1.54	-0.00186	PASS
			MCH	TN	VL	0.54	0.00065	PASS
					VN	0.07	0.00008	PASS
					VH	-0.17	-0.0002	PASS
			HCH	TN	VL	0.31	0.00037	PASS
					VN	0.07	0.00008	PASS
					VH	-0.06	-0.00007	PASS
		10	LCH	TN	VL	1.53	0.00185	PASS
					VN	-0.2	-0.00024	PASS
					VH	-1.49	-0.0018	PASS
			MCH	TN	VL	-0.21	-0.00025	PASS
					VN	-1.09	-0.0013	PASS
					VH	-0.43	-0.00051	PASS
			HCH	TN	VL	-0.34	-0.0004	PASS
					VN	-0.89	-0.00105	PASS

					VH	-1.02	-0.00121	PASS
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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	-1.06	-0.00129	PASS
					-20	-0.09	-0.00011	PASS
					-10	-0.27	-0.00033	PASS
					0	-2.6	-0.00315	PASS
					10	-3.45	-0.00418	PASS
					20	-1.66	-0.00201	PASS
					30	-1.09	-0.00132	PASS
					40	-3.22	-0.0039	PASS
					50	-1.7	-0.00206	PASS
			MCH	VN	-30	-1.13	-0.00135	PASS
					-20	-1.83	-0.00219	PASS
					-10	-2.1	-0.00251	PASS
					0	-1.13	-0.00135	PASS
					10	-2.15	-0.00257	PASS
					20	-2.46	-0.00294	PASS
					30	-1.75	-0.00209	PASS
					40	-2.6	-0.00311	PASS
					50	-0.41	-0.00049	PASS
			HCH	VN	-30	1.27	0.0015	PASS
					-20	-0.29	-0.00034	PASS
					-10	-0.01	-0.00001	PASS
					0	-1.36	-0.0016	PASS
					10	-0.76	-0.0009	PASS
					20	-1.75	-0.00206	PASS
					30	-1.44	-0.0017	PASS
					40	-0.79	-0.00093	PASS
					50	-1.49	-0.00176	PASS
		3	LCH	VN	-30	-1.59	-0.00193	PASS
					-20	-0.63	-0.00076	PASS
					-10	0.53	0.00064	PASS
					0	0.69	0.00084	PASS
					10	0.27	0.00033	PASS
					20	-1.6	-0.00194	PASS
					30	-1.17	-0.00142	PASS
					40	-1.17	-0.00142	PASS

			MCH	VN	50	-0.13	-0.00016	PASS
					-30	-1.63	-0.00195	PASS
					-20	0.76	0.00091	PASS
					-10	0.54	0.00065	PASS
					0	-0.34	-0.00041	PASS
					10	-1.43	-0.00171	PASS
					20	0.01	0.00001	PASS
					30	-0.13	-0.00016	PASS
					40	-0.96	-0.00115	PASS
					50	-2.02	-0.00241	PASS
			HCH	VN	-30	-2.09	-0.00247	PASS
					-20	-1.3	-0.00153	PASS
					-10	-0.62	-0.00073	PASS
					0	-0.53	-0.00063	PASS
					10	-2.02	-0.00238	PASS
					20	-1.1	-0.0013	PASS
					30	-0.19	-0.00022	PASS
					40	-1.75	-0.00206	PASS
					50	-1.26	-0.00149	PASS
			LCH	VN	-30	-2.26	-0.00273	PASS
					-20	-1.63	-0.00197	PASS
					-10	-1.72	-0.00208	PASS
					0	-1.36	-0.00165	PASS
					10	-1.93	-0.00234	PASS
					20	-1.36	-0.00165	PASS
					30	-1.99	-0.00241	PASS
					40	-2.83	-0.00342	PASS
					50	-1.9	-0.0023	PASS
			MCH	VN	-30	-1.02	-0.00122	PASS
					-20	-0.34	-0.00041	PASS
					-10	-0.96	-0.00115	PASS
					0	-1.1	-0.00132	PASS
					10	0.59	0.00071	PASS
					20	-1.24	-0.00148	PASS
					30	-0.84	-0.001	PASS
					40	-0.87	-0.00104	PASS
					50	-0.13	-0.00016	PASS
			HCH	VN	-30	-0.67	-0.00079	PASS
					-20	-0.06	-0.00007	PASS
					-10	0.27	0.00032	PASS
					0	-1.02	-0.0012	PASS

		10			10	-0.51	-0.0006	PASS
					20	0.1	0.00012	PASS
					30	-0.77	-0.00091	PASS
					40	-0.33	-0.00039	PASS
					50	0.29	0.00034	PASS
			LCH	VN	-30	0.44	0.00053	PASS
					-20	-0.46	-0.00055	PASS
					-10	1.02	0.00123	PASS
					0	-0.07	-0.00008	PASS
					10	-0.33	-0.0004	PASS
					20	-0.34	-0.00041	PASS
					30	-0.73	-0.00088	PASS
					40	-0.47	-0.00057	PASS
					50	-0.33	-0.0004	PASS
			MCH	VN	-30	-0.6	-0.00072	PASS
					-20	-0.2	-0.00024	PASS
					-10	-0.47	-0.00056	PASS
					0	-0.6	-0.00072	PASS
					10	-0.99	-0.00118	PASS
					20	-1.42	-0.0017	PASS
					30	-0.46	-0.00055	PASS
					40	-1.29	-0.00154	PASS
					50	-0.59	-0.00071	PASS
			HCH	VN	-30	-1	-0.00118	PASS
					-20	-2.12	-0.00251	PASS
					-10	-1.43	-0.00169	PASS
					0	-1.32	-0.00156	PASS
					10	-1.09	-0.00129	PASS
					20	-0.53	-0.00063	PASS
					30	-1.75	-0.00207	PASS
					40	-0.09	-0.00011	PASS
					50	-1.2	-0.00142	PASS
	LTE/TM2	1.4	LCH	VN	-30	-0.56	-0.00068	PASS
					-20	-1.23	-0.00149	PASS
					-10	-0.6	-0.00073	PASS
					0	0.51	0.00062	PASS
					10	-1.23	-0.00149	PASS
					20	-1.57	-0.0019	PASS
					30	-1.99	-0.00241	PASS
					40	0.62	0.00075	PASS
					50	-1.97	-0.00239	PASS

			MCH	VN	-30	-1.49	-0.00178	PASS
					-20	1.77	0.00212	PASS
					-10	-0.07	-0.00008	PASS
					0	0.64	0.00077	PASS
					10	-1.96	-0.00234	PASS
					20	0.44	0.00053	PASS
					30	0.29	0.00035	PASS
					40	-0.6	-0.00072	PASS
					50	0.57	0.00068	PASS
			HCH	VN	-30	-0.33	-0.00039	PASS
					-20	-0.57	-0.00067	PASS
					-10	-0.94	-0.00111	PASS
					0	0.39	0.00046	PASS
					10	-0.6	-0.00071	PASS
					20	-0.74	-0.00087	PASS
					30	0.19	0.00022	PASS
					40	-0.16	-0.00019	PASS
					50	-1.16	-0.00137	PASS
			LCH	VN	-30	-0.01	-0.00001	PASS
					-20	0.31	0.00038	PASS
					-10	-0.77	-0.00093	PASS
					0	0.9	0.00109	PASS
					10	-0.17	-0.00021	PASS
					20	0.77	0.00093	PASS
					30	-0.77	-0.00093	PASS
					40	0.03	0.00004	PASS
					50	-0.57	-0.00069	PASS
			MCH	VN	-30	-0.57	-0.00068	PASS
					-20	-1.93	-0.00231	PASS
					-10	-0.4	-0.00048	PASS
					0	-1.37	-0.00164	PASS
					10	1.63	0.00195	PASS
					20	-5.16	-0.00617	PASS
					30	-0.34	-0.00041	PASS
					40	-1.03	-0.00123	PASS
					50	1.06	0.00127	PASS
			HCH	VN	-30	-1.32	-0.00156	PASS
					-20	-2.27	-0.00268	PASS
					-10	-2.49	-0.00294	PASS
					0	-1.66	-0.00196	PASS
					10	-1.57	-0.00185	PASS

					20	-0.97	-0.00114	PASS
					30	-2.22	-0.00262	PASS
					40	-1.6	-0.00189	PASS
					50	-0.19	-0.00022	PASS
		5	LCH	VN	-30	-1.75	-0.00212	PASS
					-20	-1.22	-0.00148	PASS
					-10	-1.72	-0.00208	PASS
					0	-1.96	-0.00237	PASS
					10	-2.46	-0.00298	PASS
					20	-0.63	-0.00076	PASS
					30	-2.22	-0.00269	PASS
					40	-1.54	-0.00186	PASS
					50	-2.33	-0.00282	PASS
			MCH	VN	-30	-1.24	-0.00148	PASS
					-20	-1.02	-0.00122	PASS
					-10	-0.31	-0.00037	PASS
					0	0	0	PASS
					10	-1.65	-0.00197	PASS
					20	-1.47	-0.00176	PASS
					30	-0.31	-0.00037	PASS
					40	-1.06	-0.00127	PASS
					50	-0.4	-0.00048	PASS
			HCH	VN	-30	1.42	0.00168	PASS
					-20	-0.73	-0.00086	PASS
					-10	-1.23	-0.00145	PASS
					0	0.5	0.00059	PASS
					10	0.14	0.00017	PASS
					20	-0.39	-0.00046	PASS
					30	-1.07	-0.00126	PASS
					40	-0.51	-0.0006	PASS
					50	-0.56	-0.00066	PASS
		10	LCH	VN	-30	-0.76	-0.00092	PASS
					-20	-1.34	-0.00162	PASS
					-10	-0.43	-0.00052	PASS
					0	-0.09	-0.00011	PASS
					10	-1.29	-0.00156	PASS
					20	-0.9	-0.00109	PASS
					30	0.72	0.00087	PASS
					40	0.4	0.00048	PASS
					50	-0.66	-0.0008	PASS
			MCH	VN	-30	-0.79	-0.00094	PASS



					-20	-0.21	-0.00025	PASS
					-10	-0.8	-0.00096	PASS
					0	-0.97	-0.00116	PASS
					10	-0.34	-0.00041	PASS
					20	-0.62	-0.00074	PASS
					30	-0.41	-0.00049	PASS
					40	-0.56	-0.00067	PASS
					50	-0.73	-0.00087	PASS
			HCH	VN	-30	-2.02	-0.00239	PASS
					-20	-1.03	-0.00122	PASS
					-10	-1.23	-0.00146	PASS
					0	-1.54	-0.00182	PASS
					10	-1.65	-0.00195	PASS
					20	-1.2	-0.00142	PASS
					30	-0.93	-0.0011	PASS
					40	-1.65	-0.00195	PASS
					50	-1.83	-0.00217	PASS

END