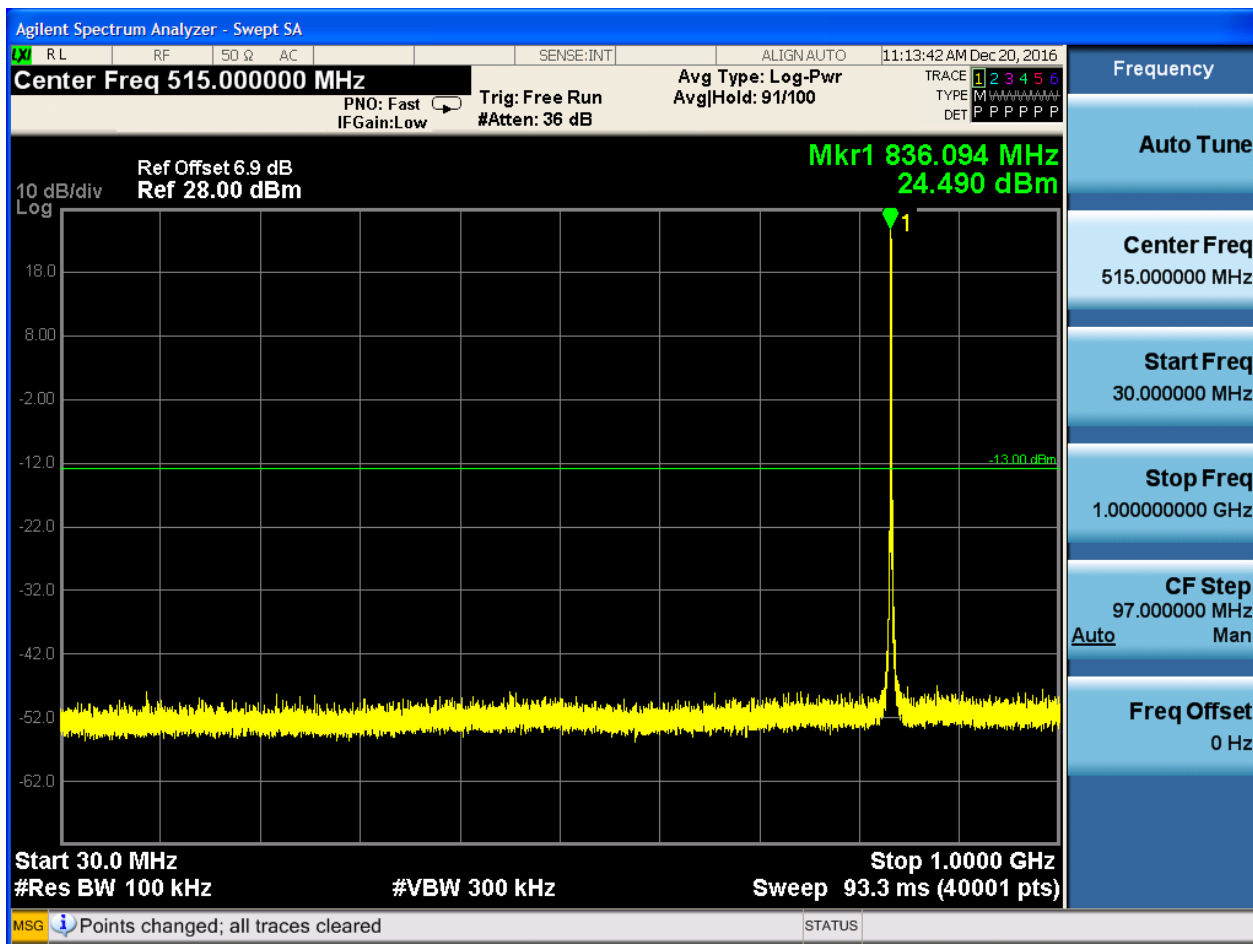
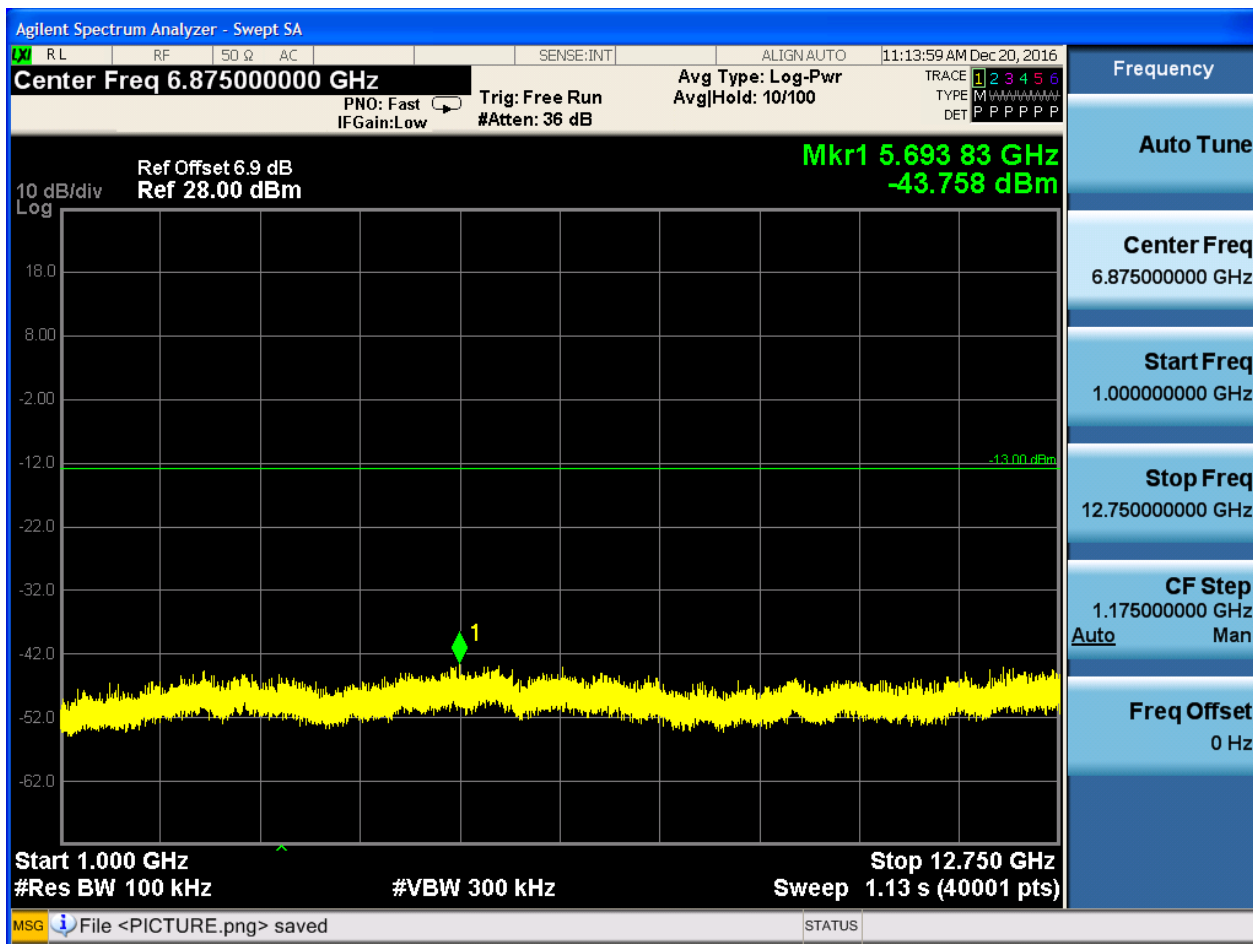
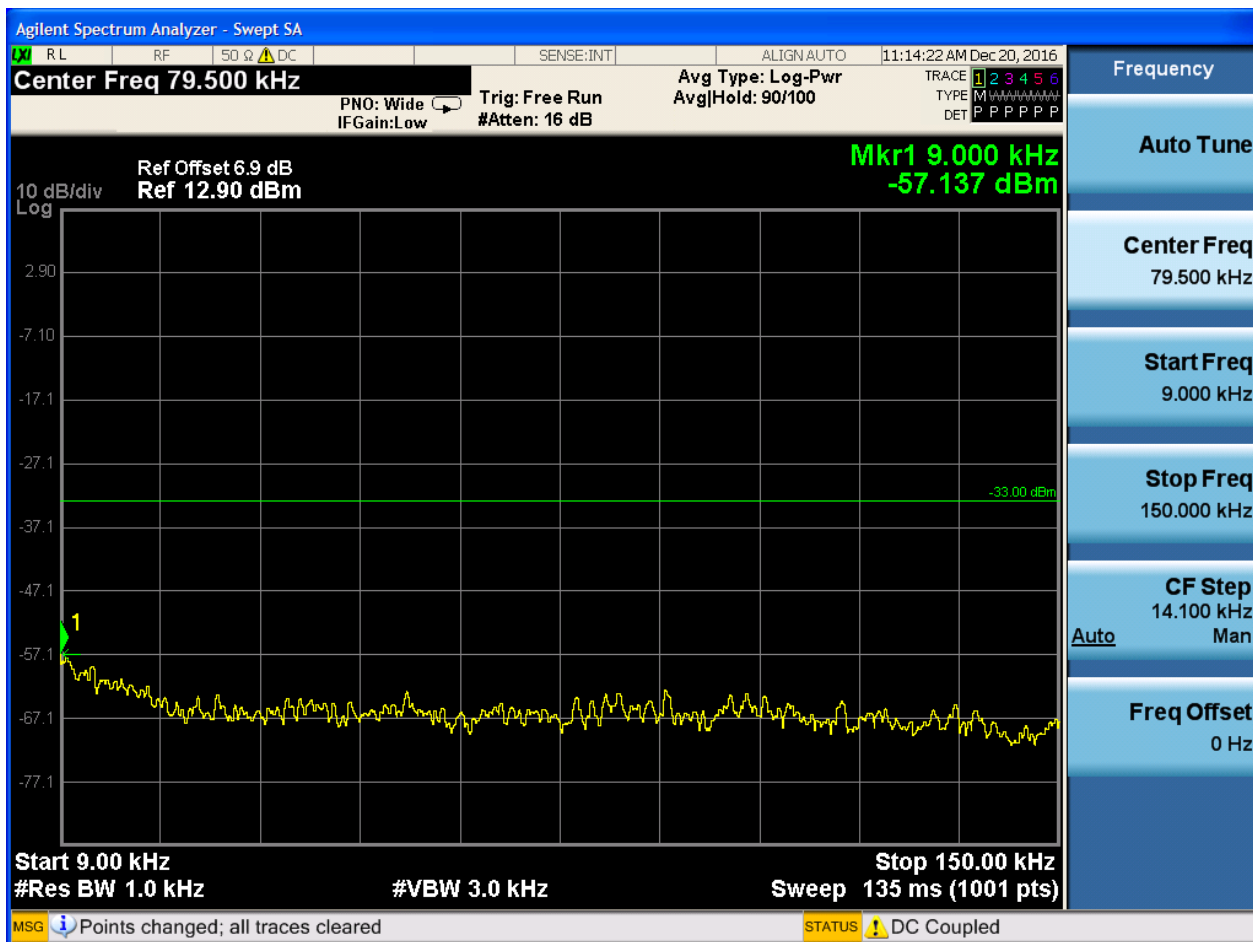


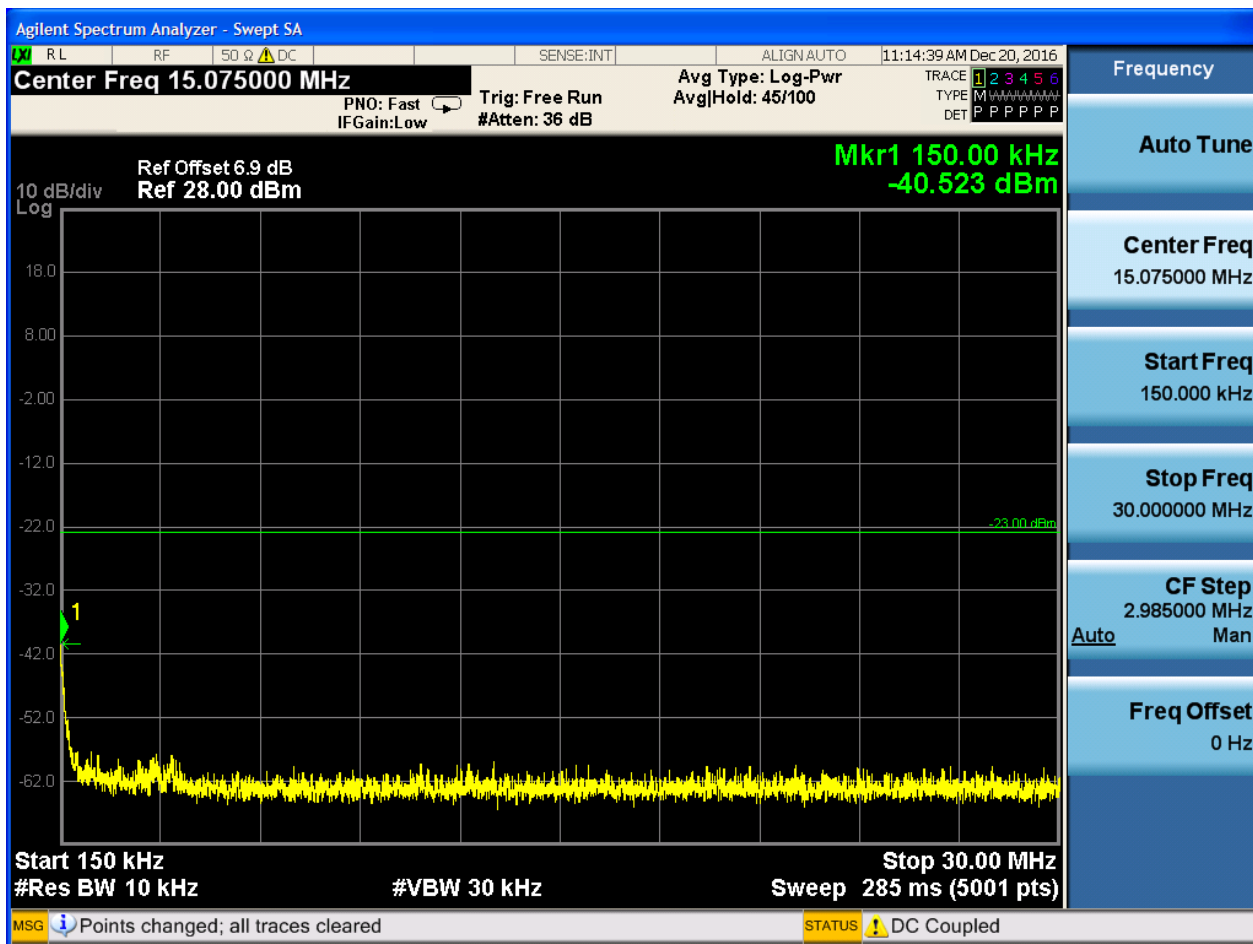


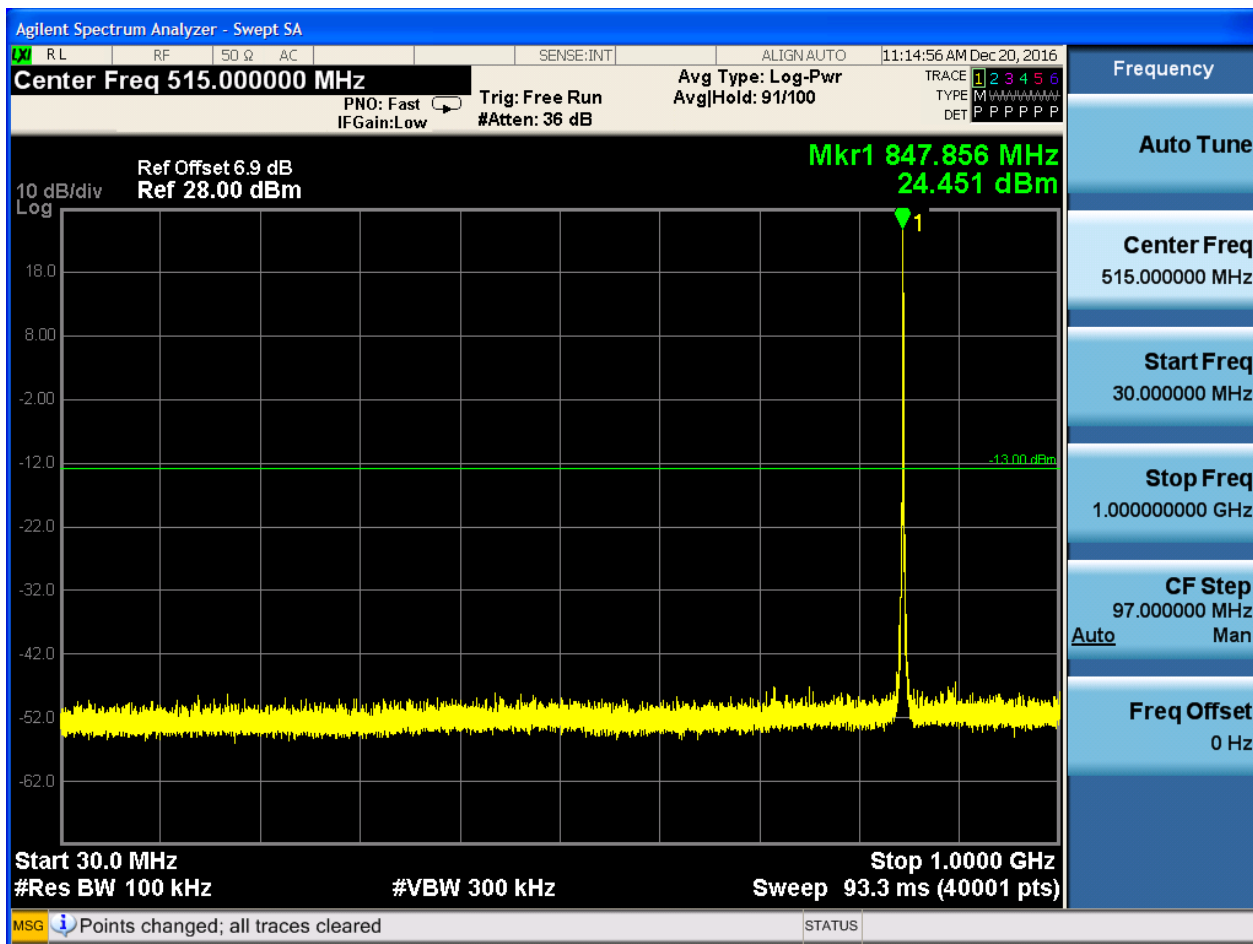


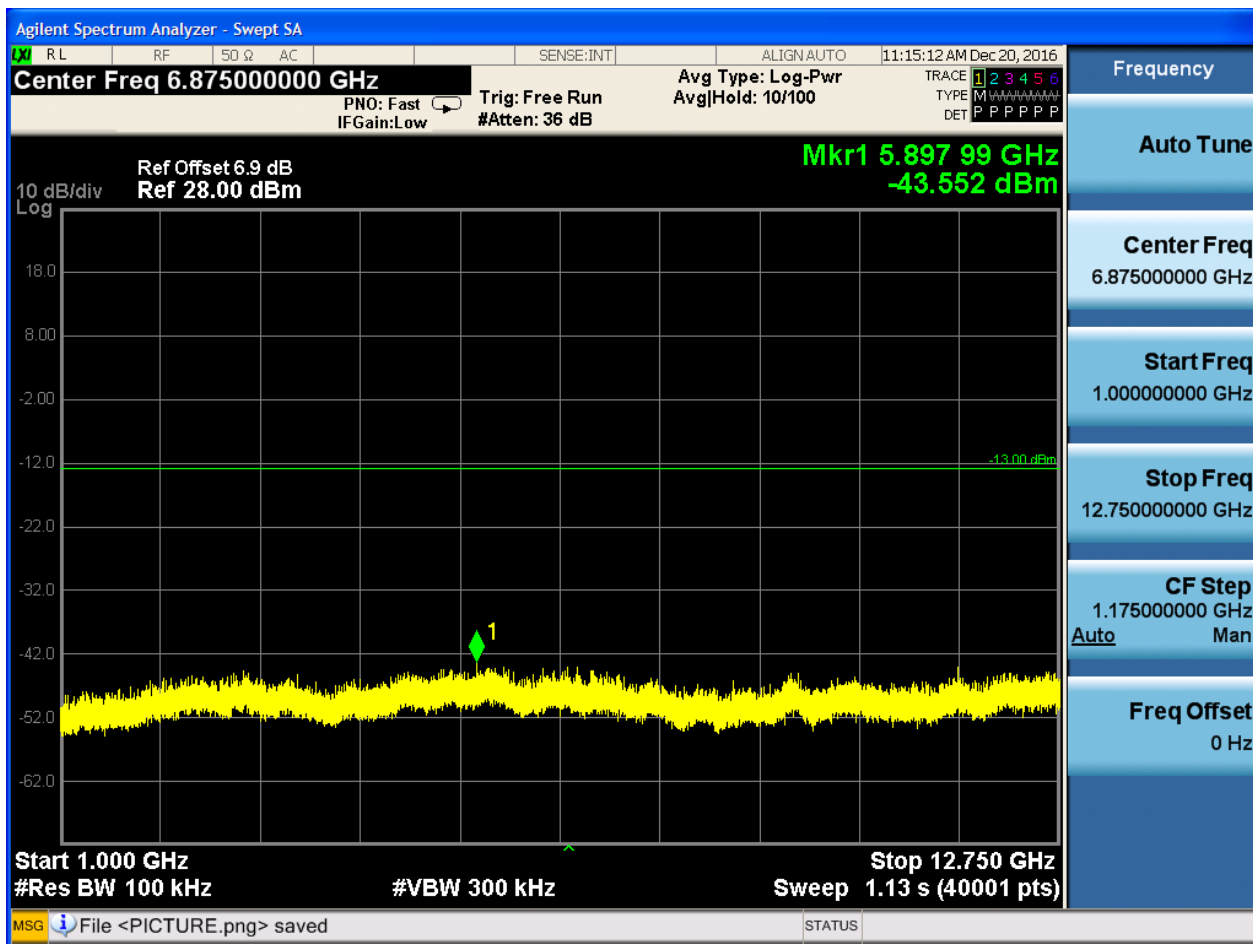
6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0







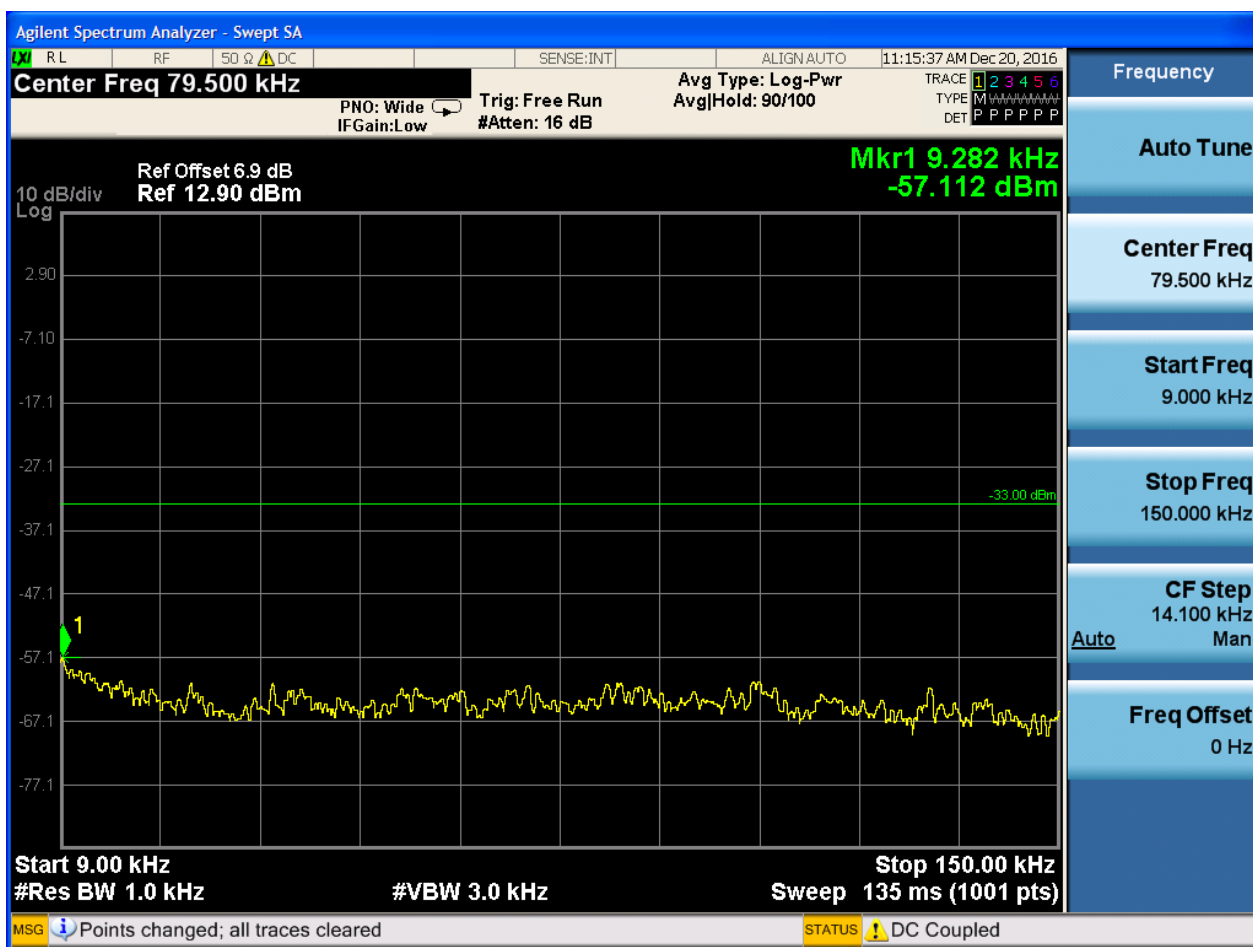


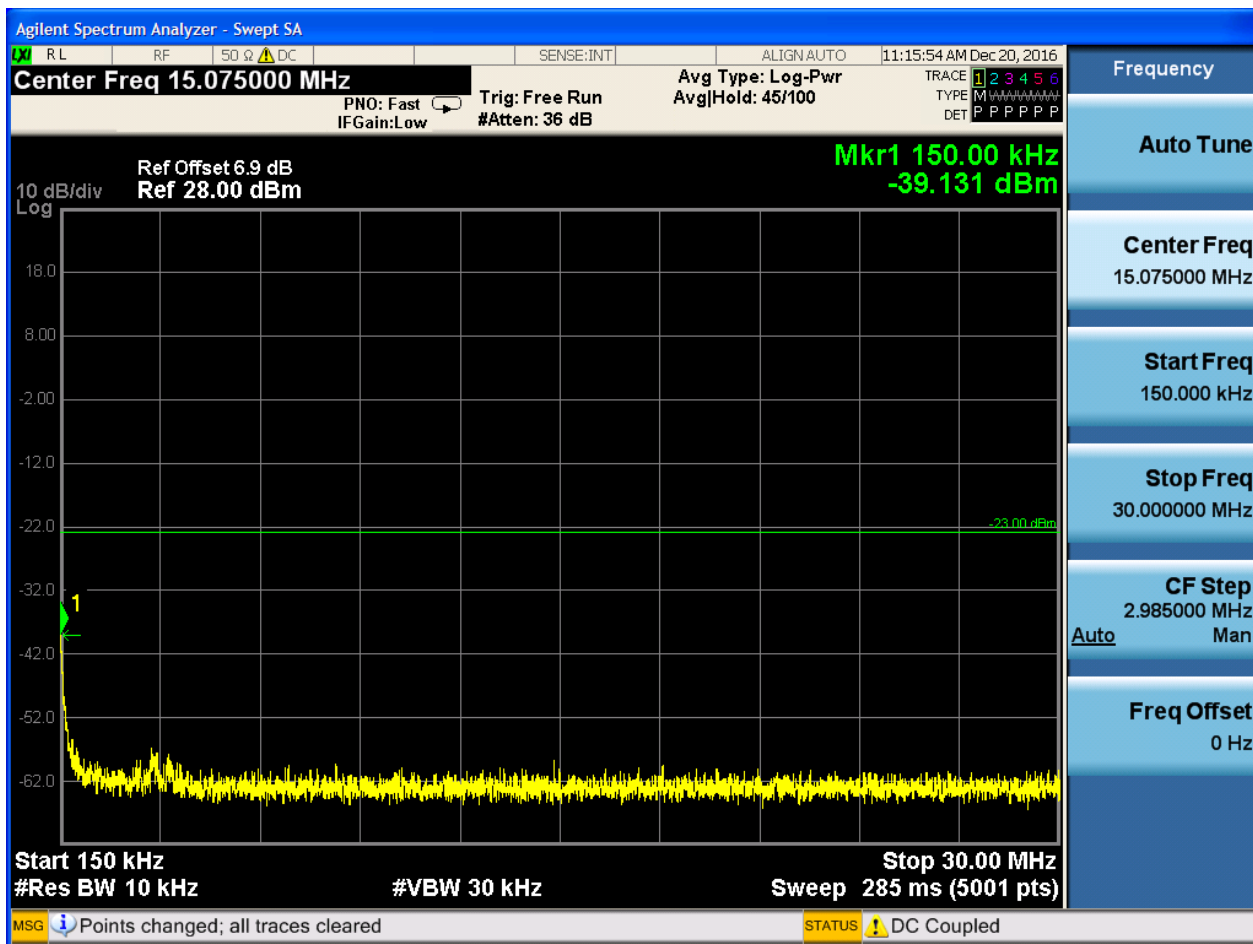


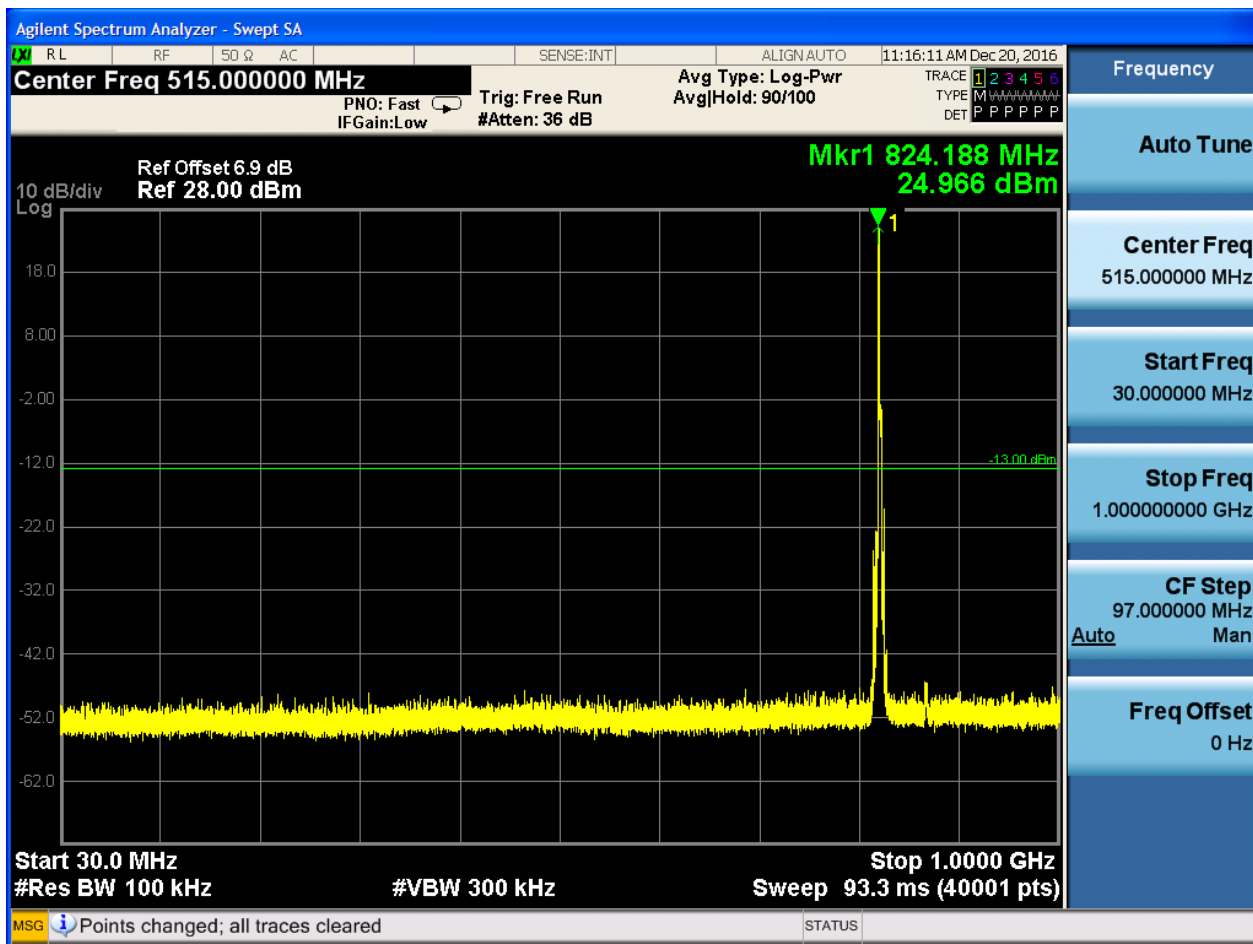
6.1.1.1.2 Test Bandwidth = 3

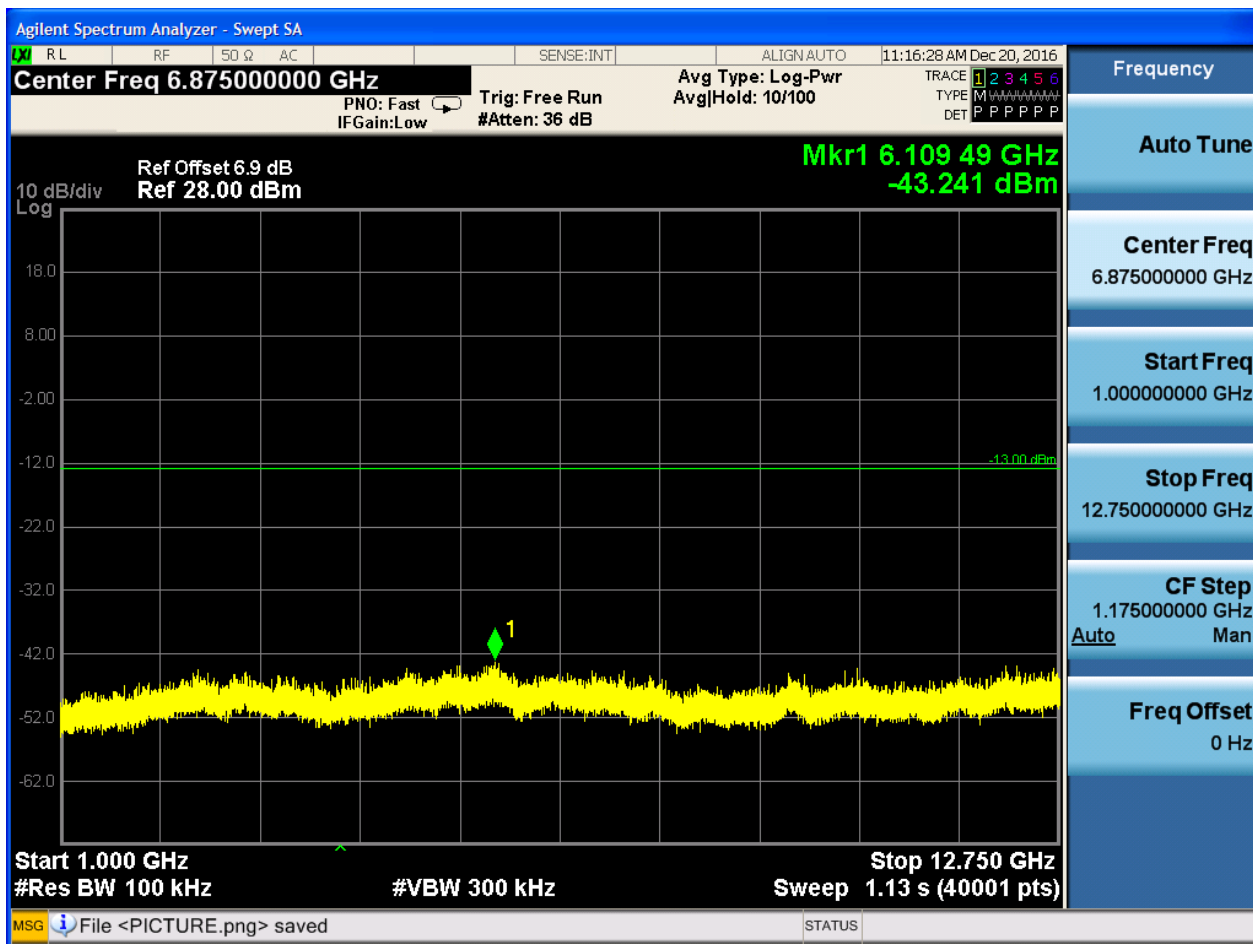
6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0





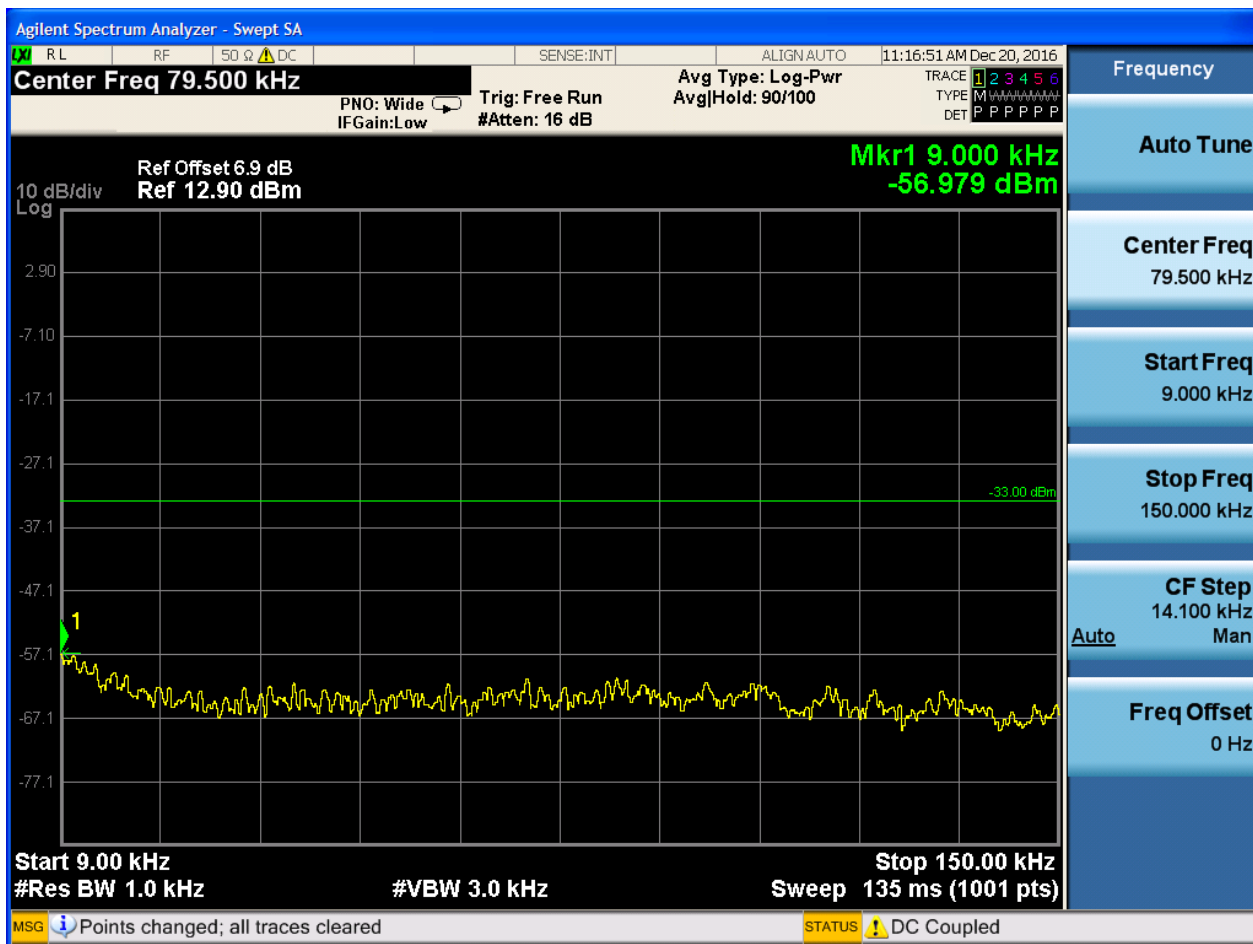


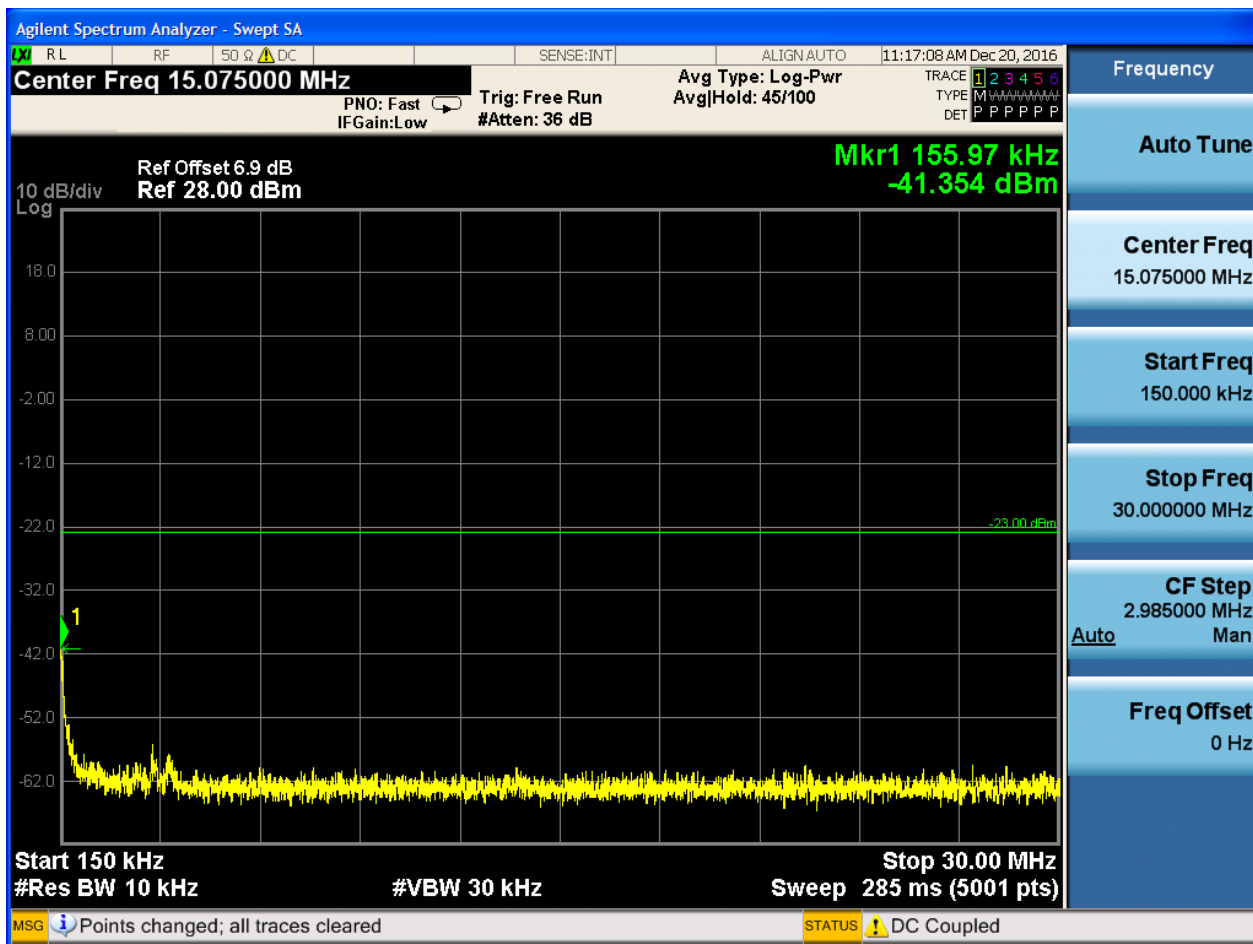


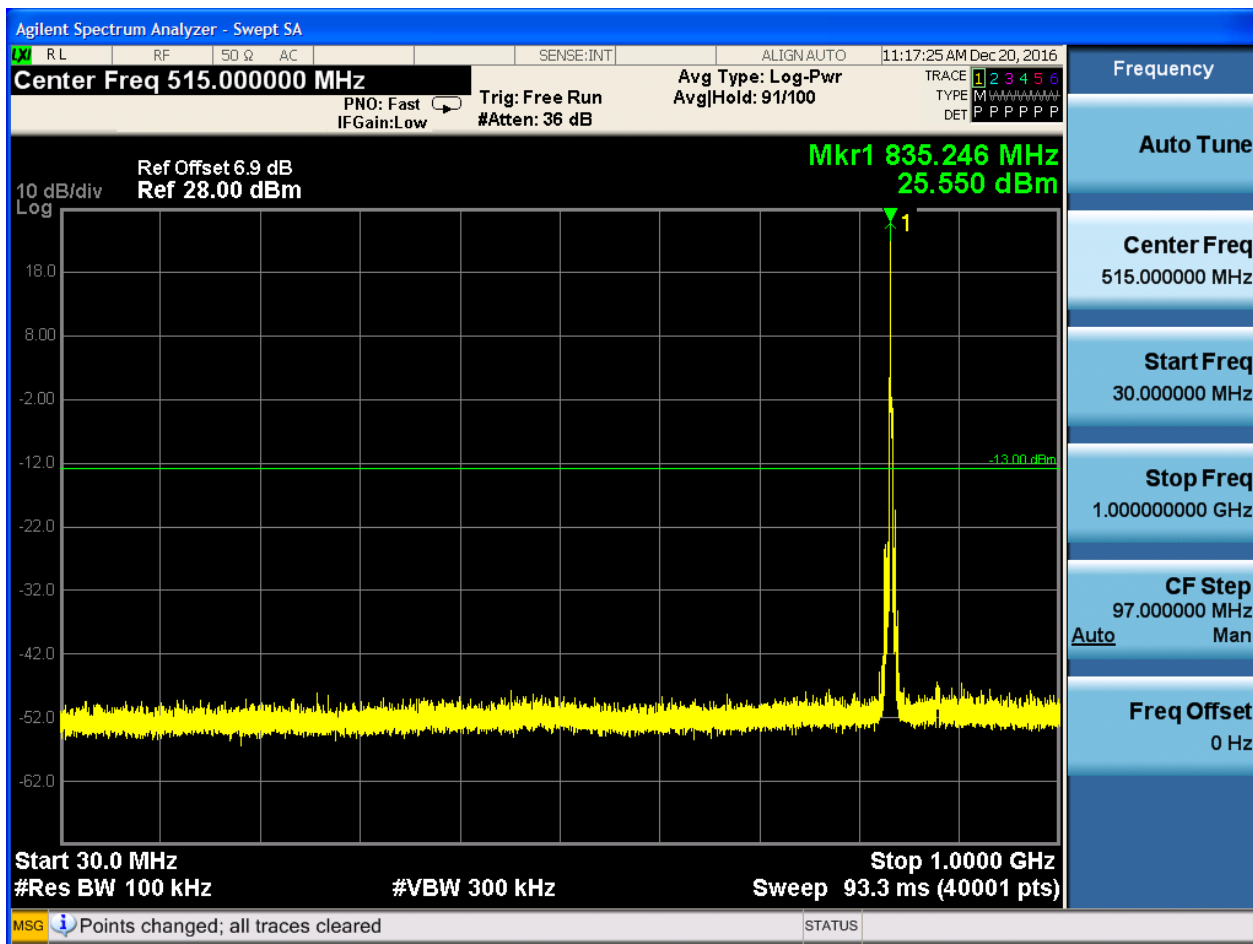


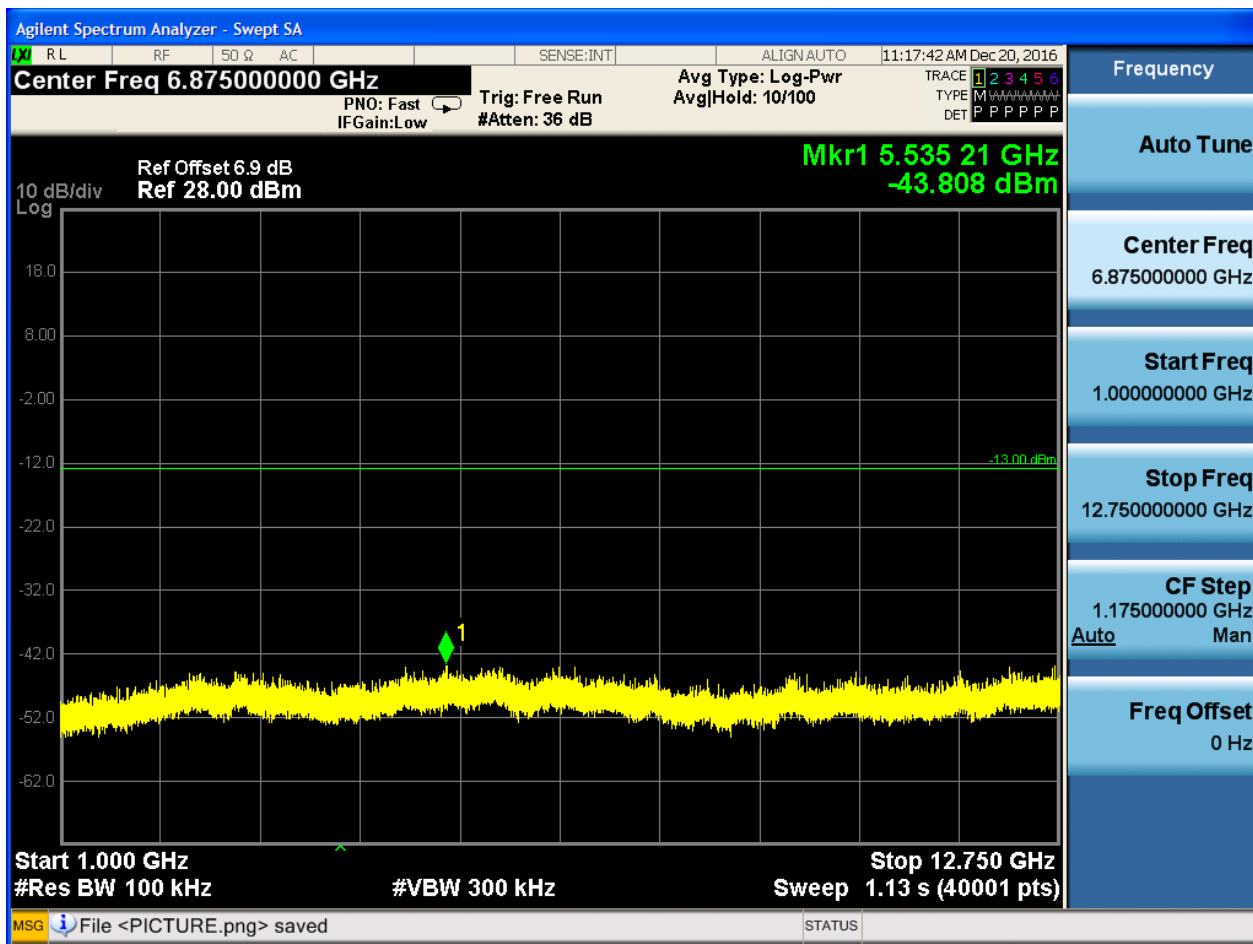
6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



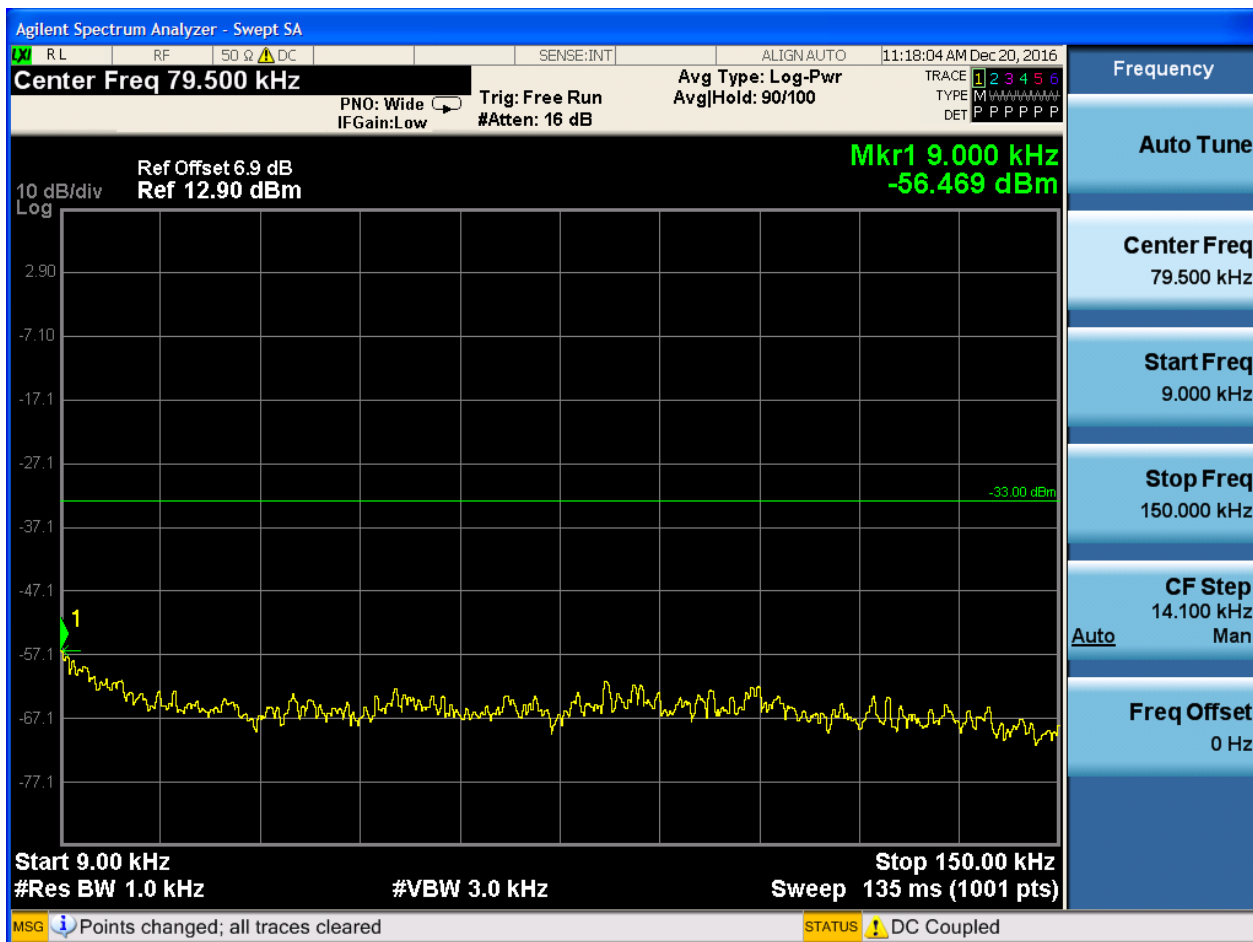


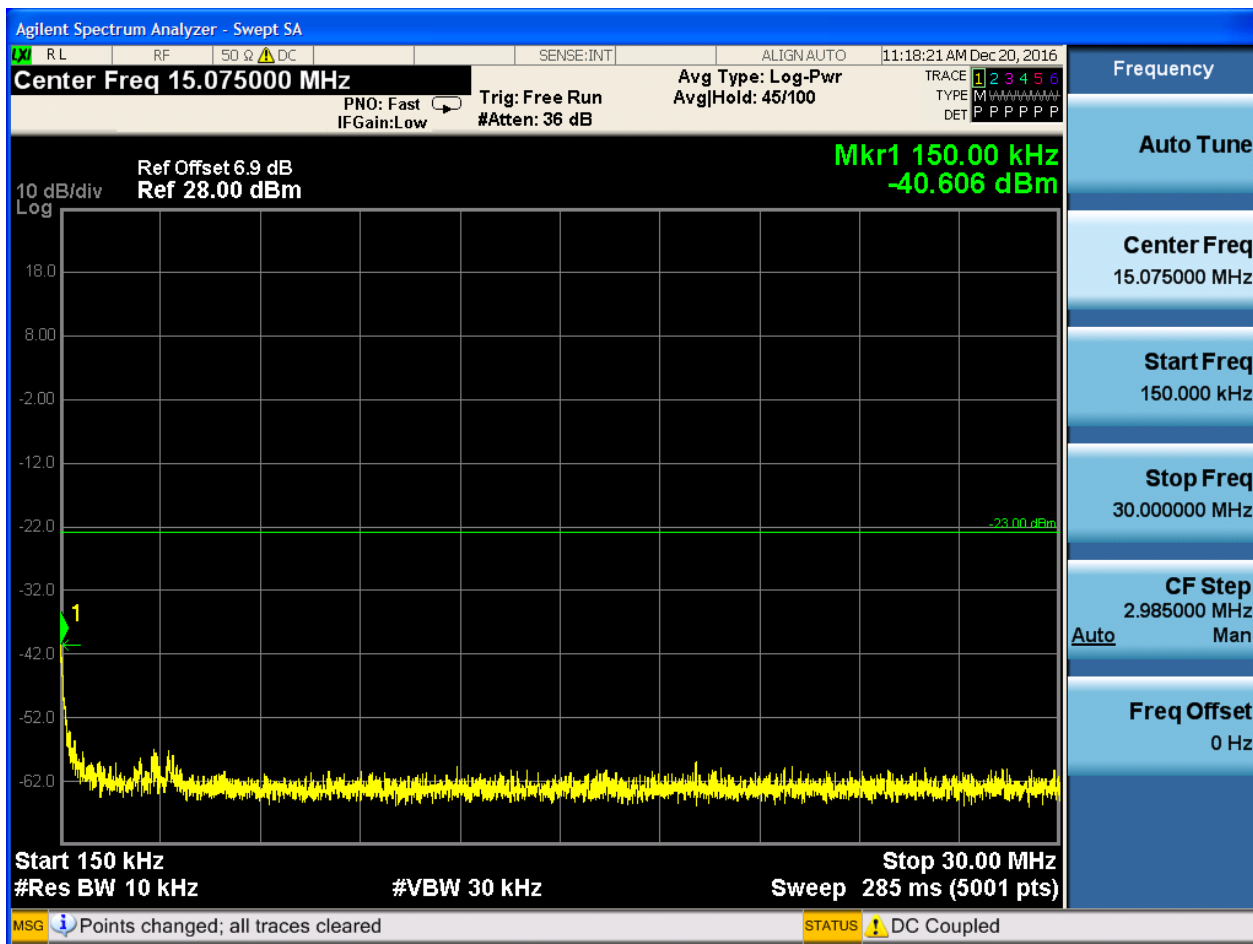


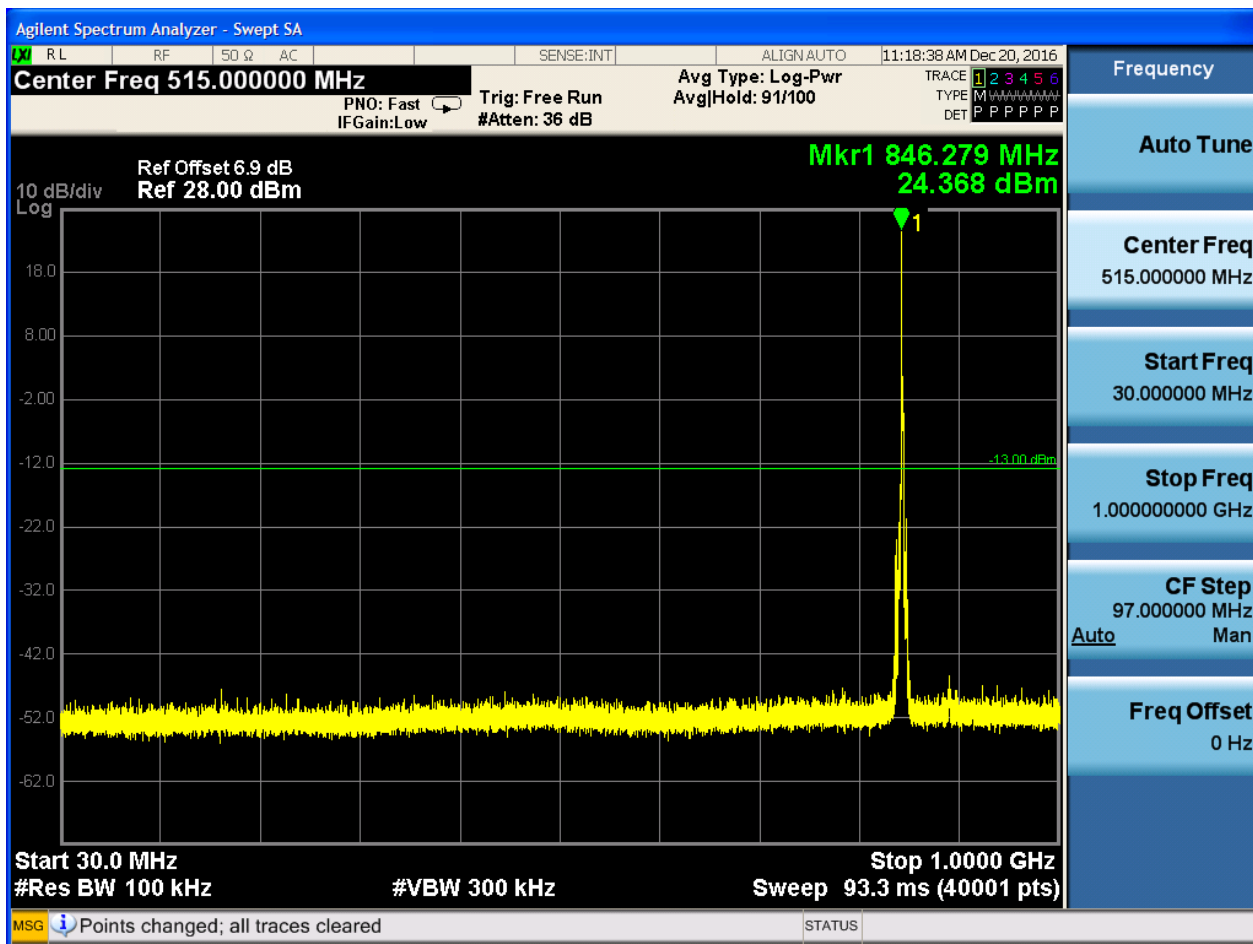


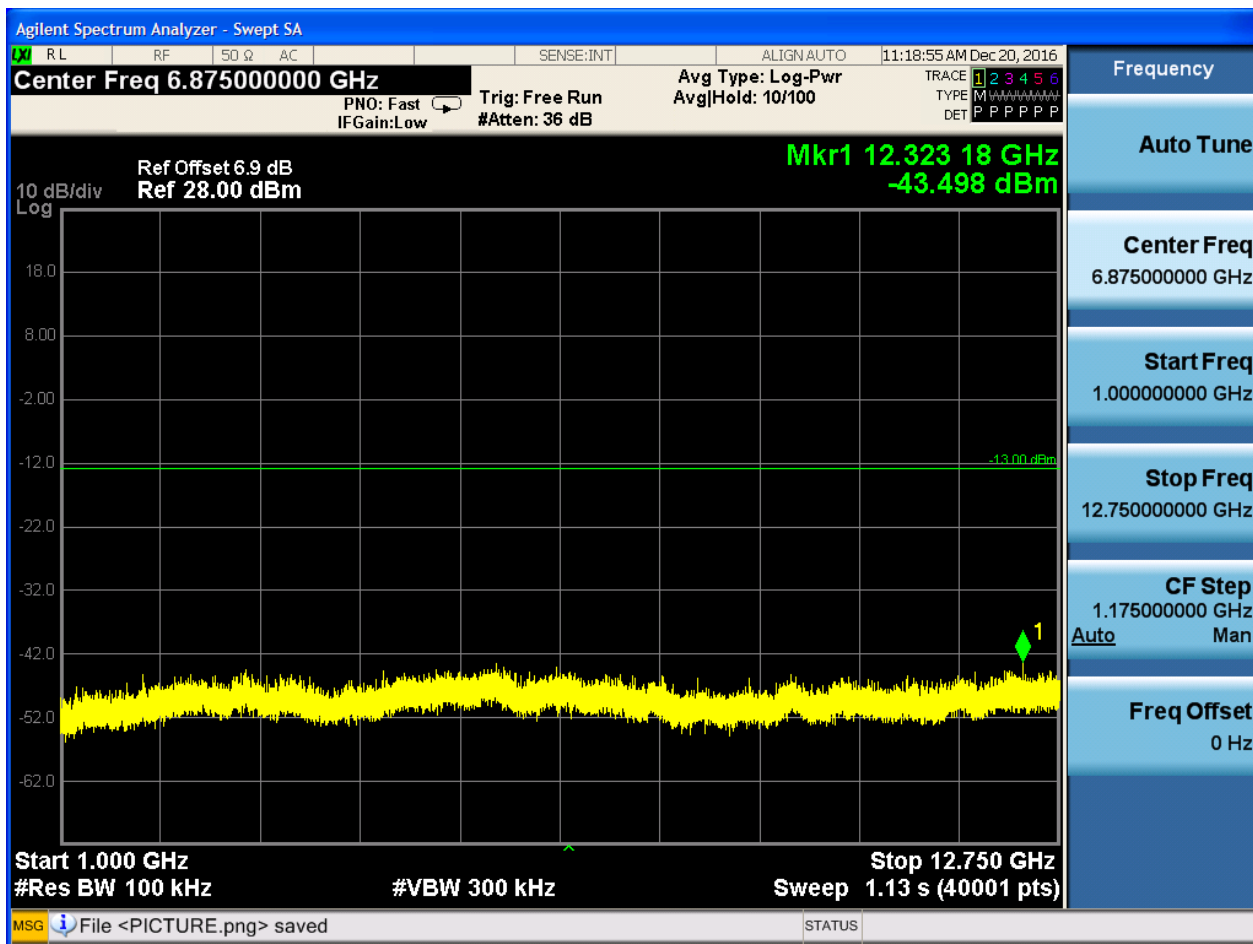
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





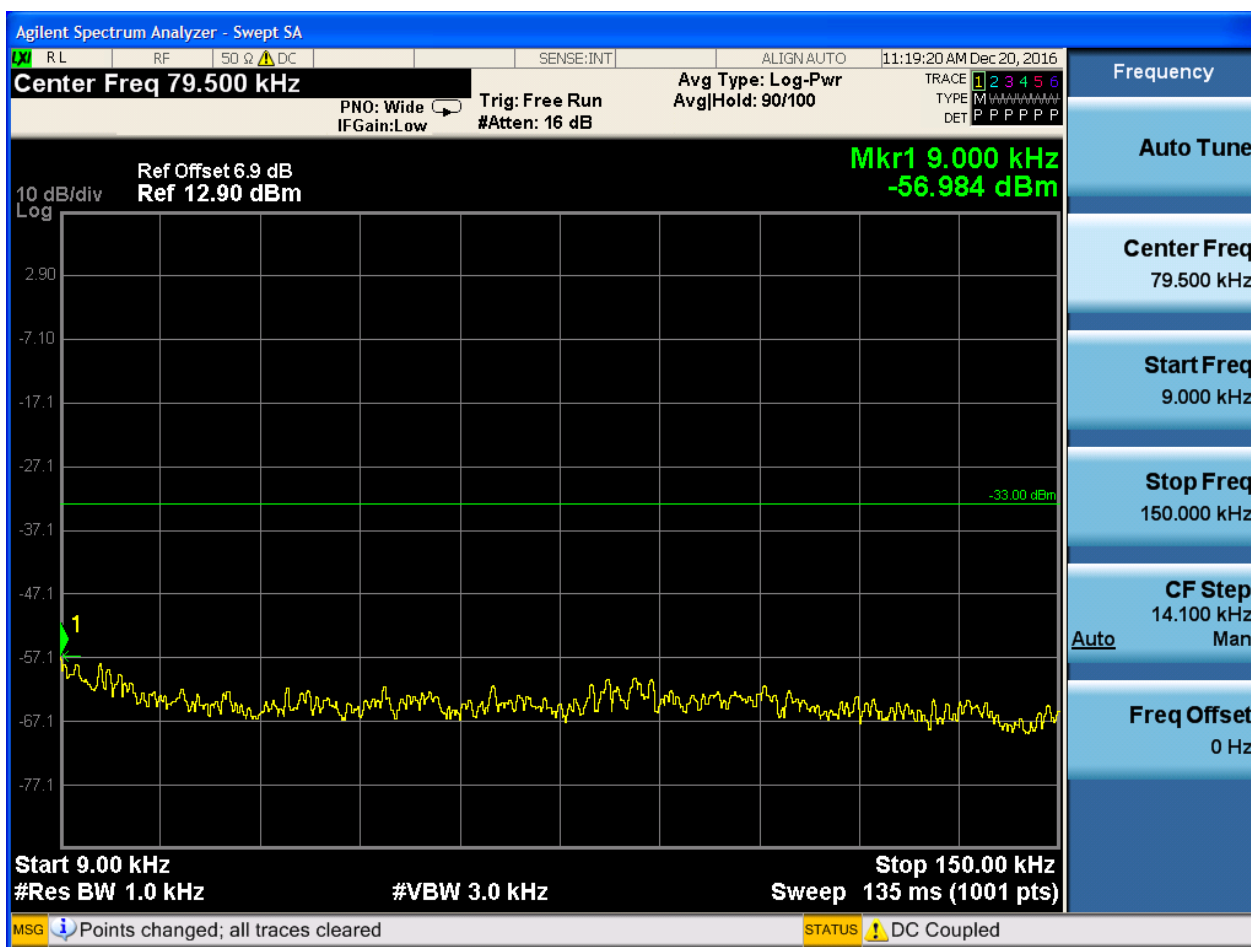


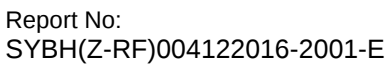
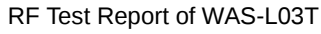


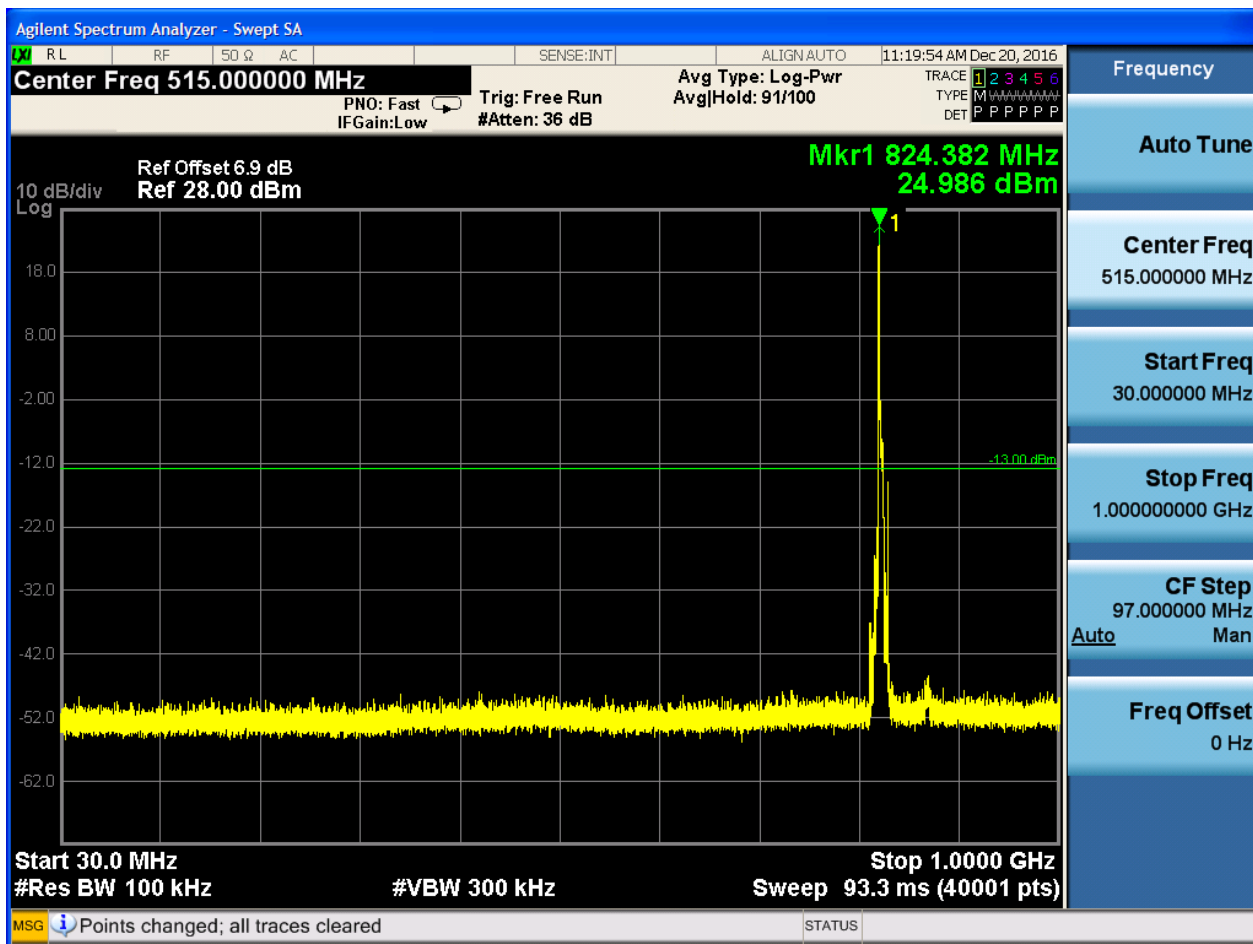
6.1.1.1.3 Test Bandwidth = 5

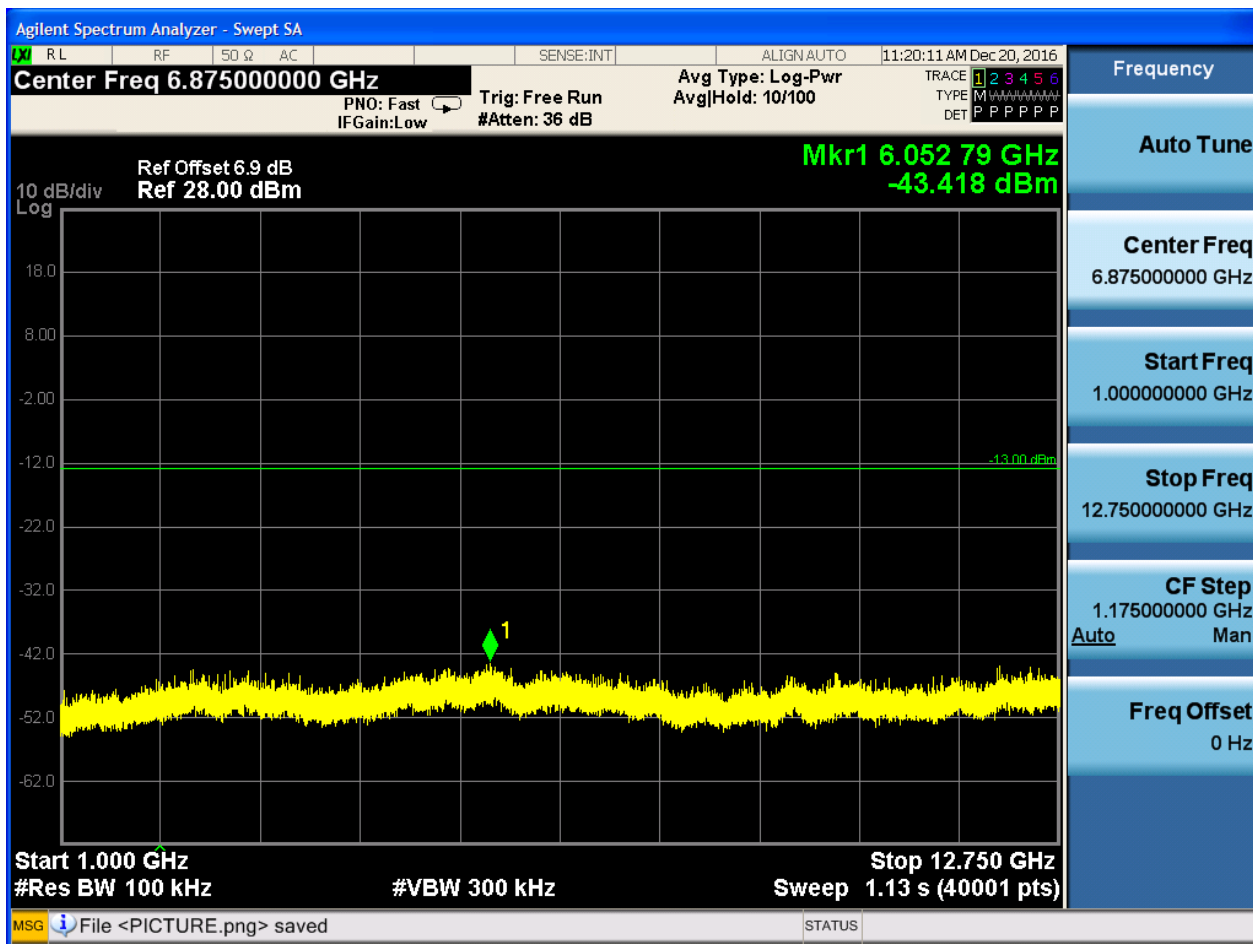
6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





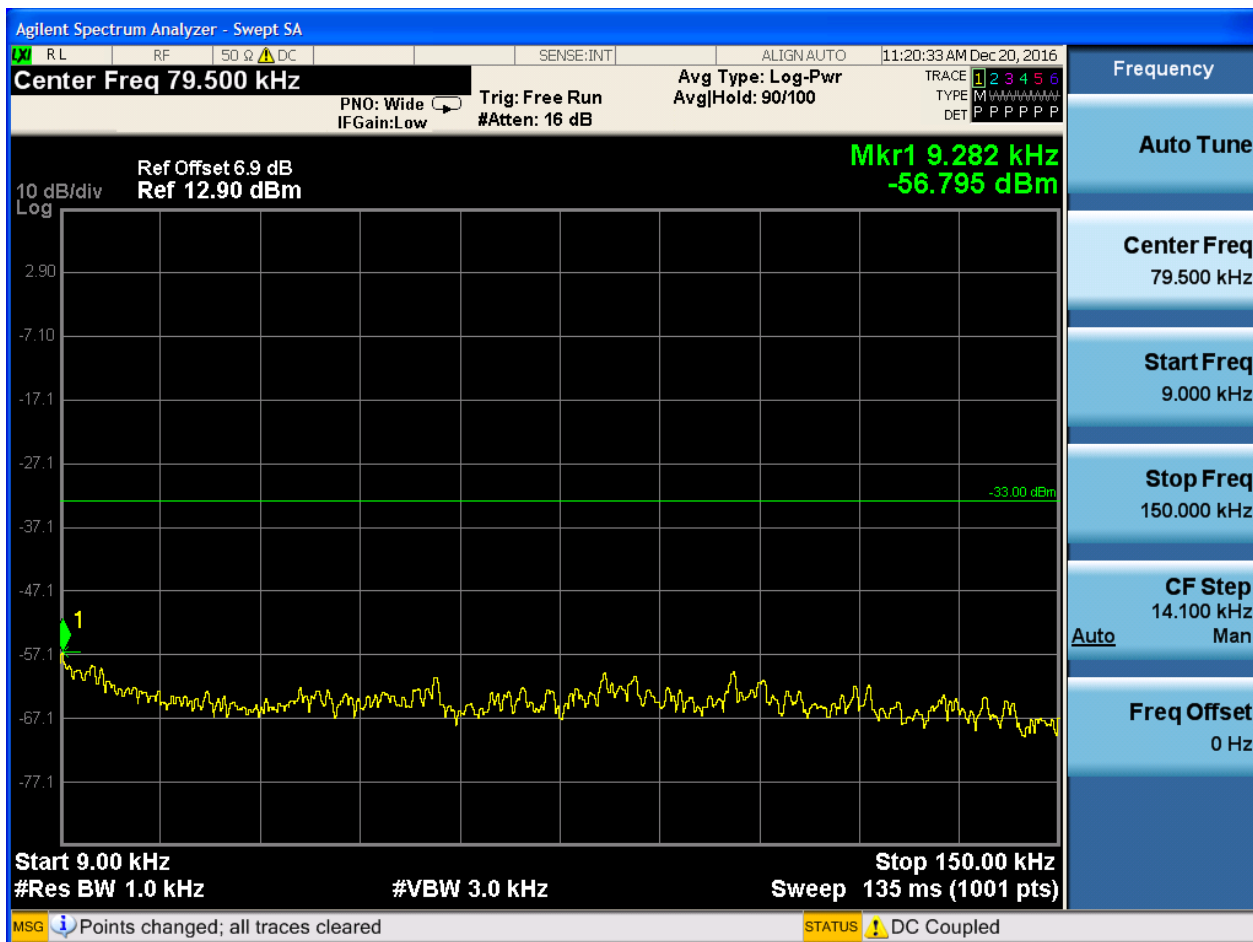


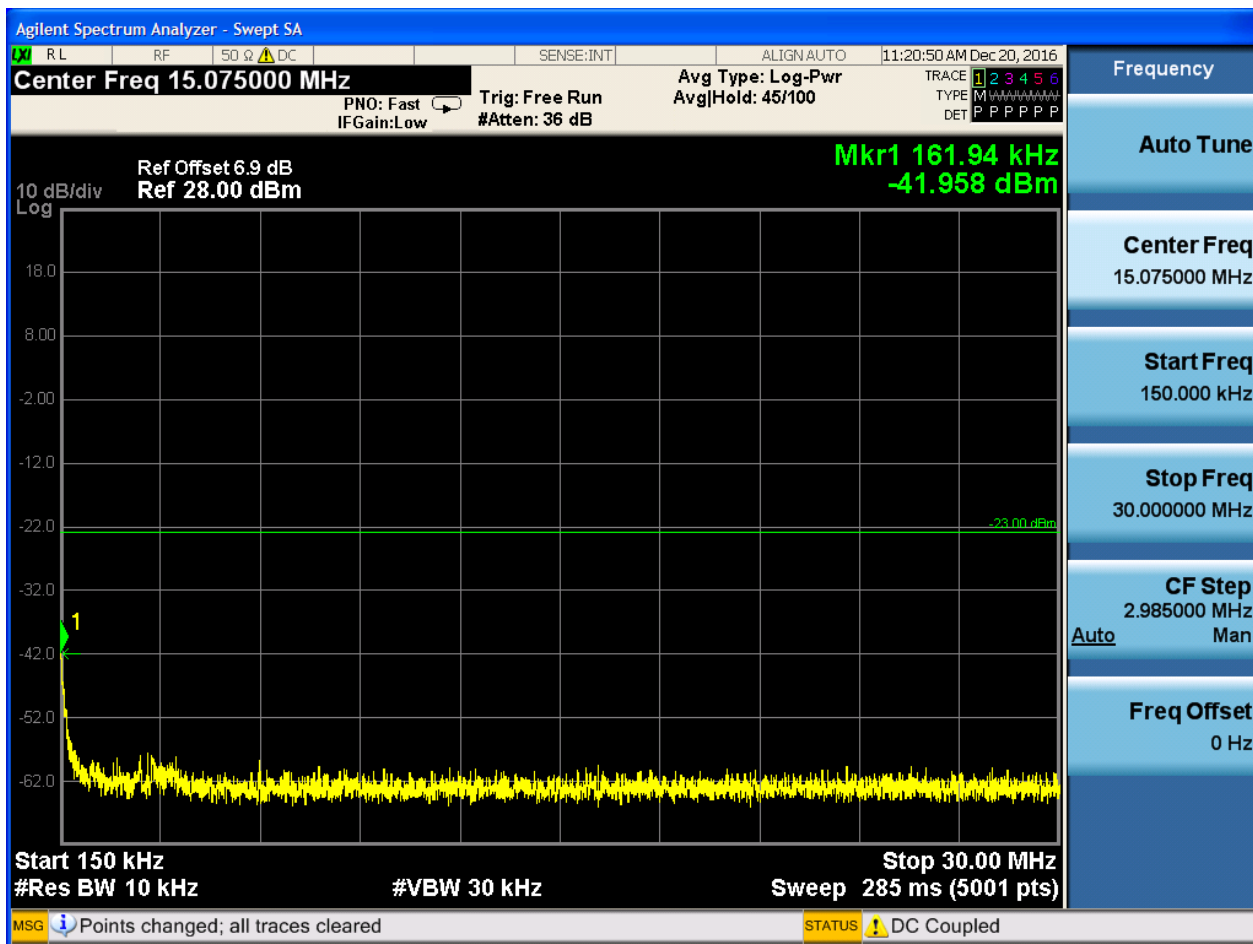


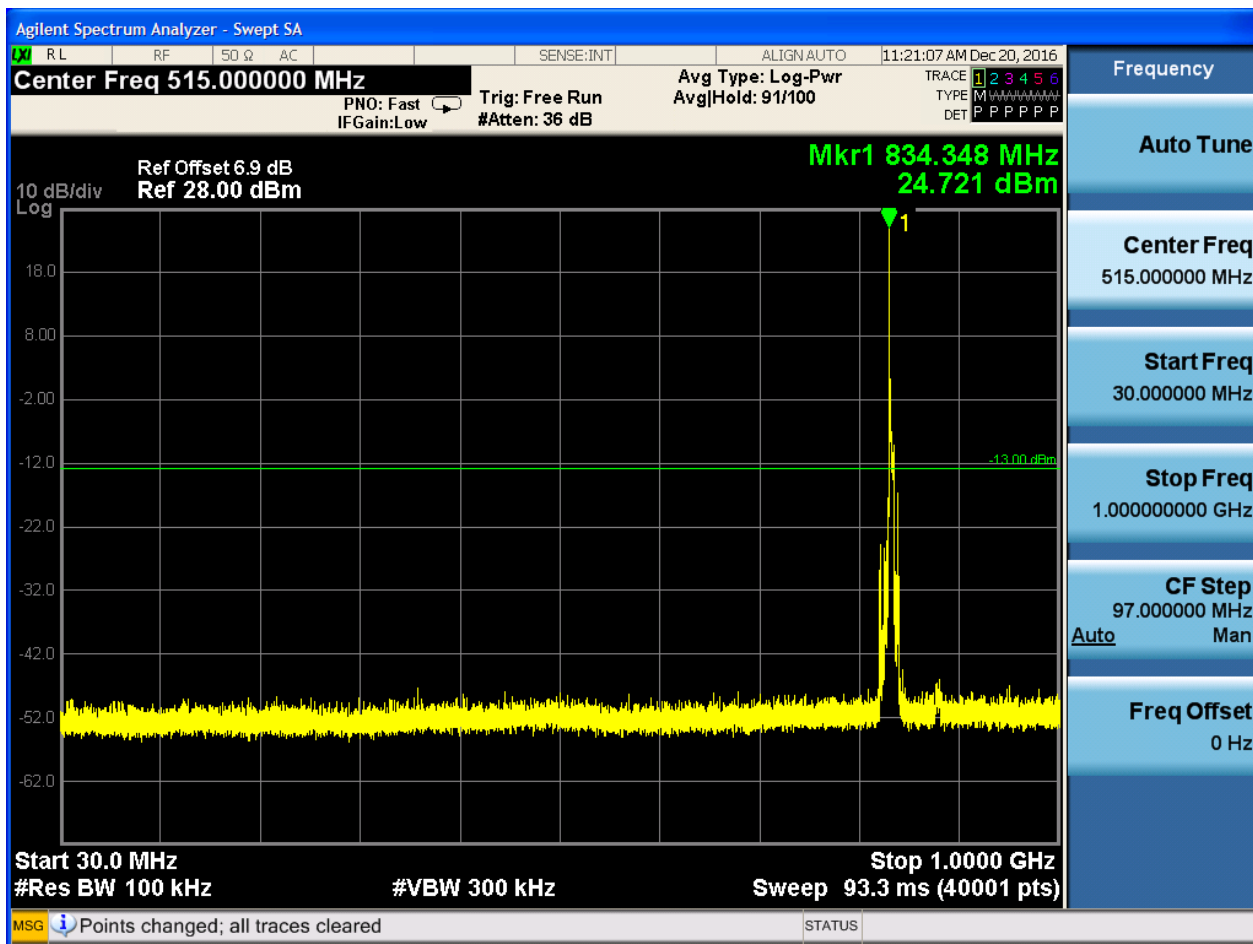


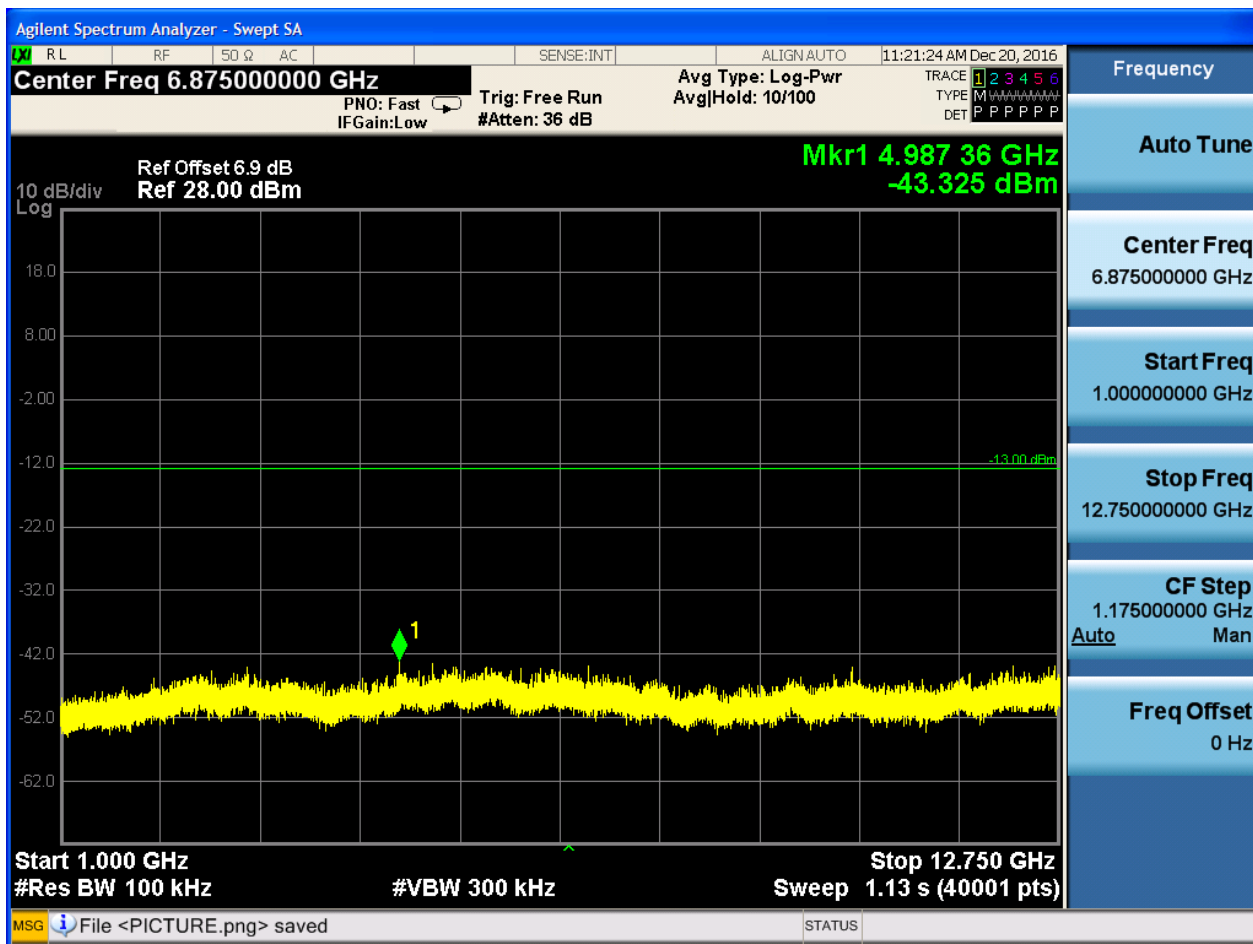
6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



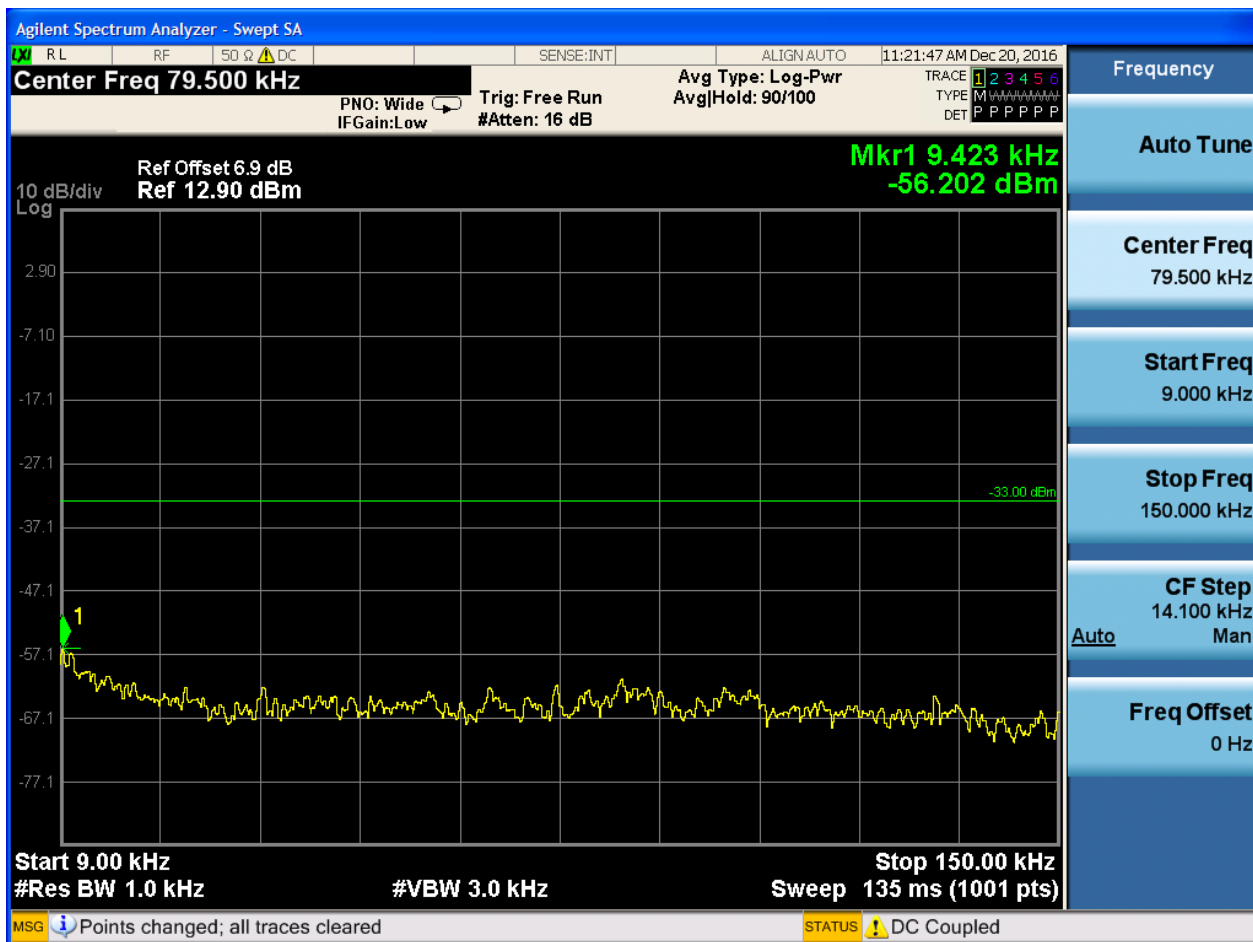


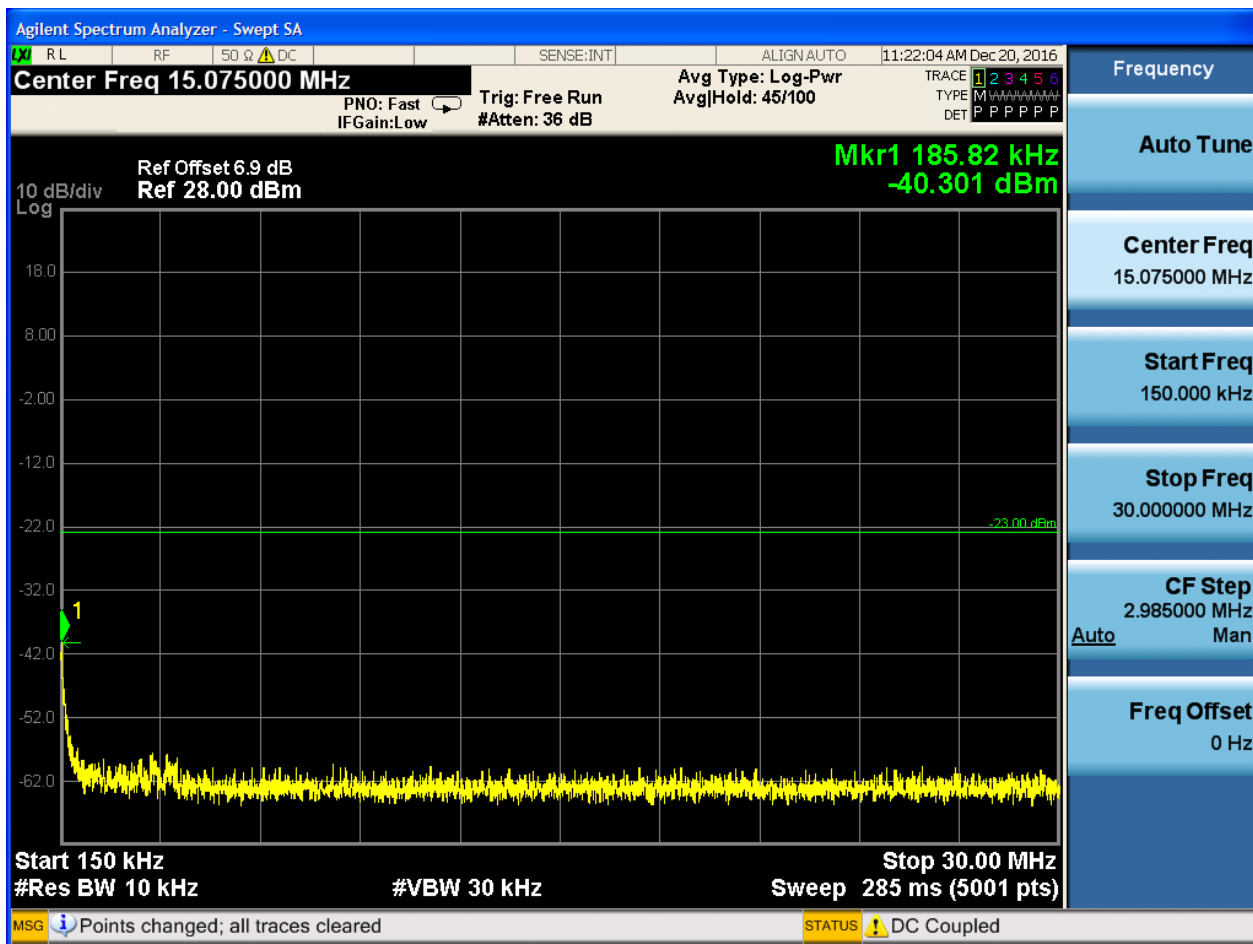


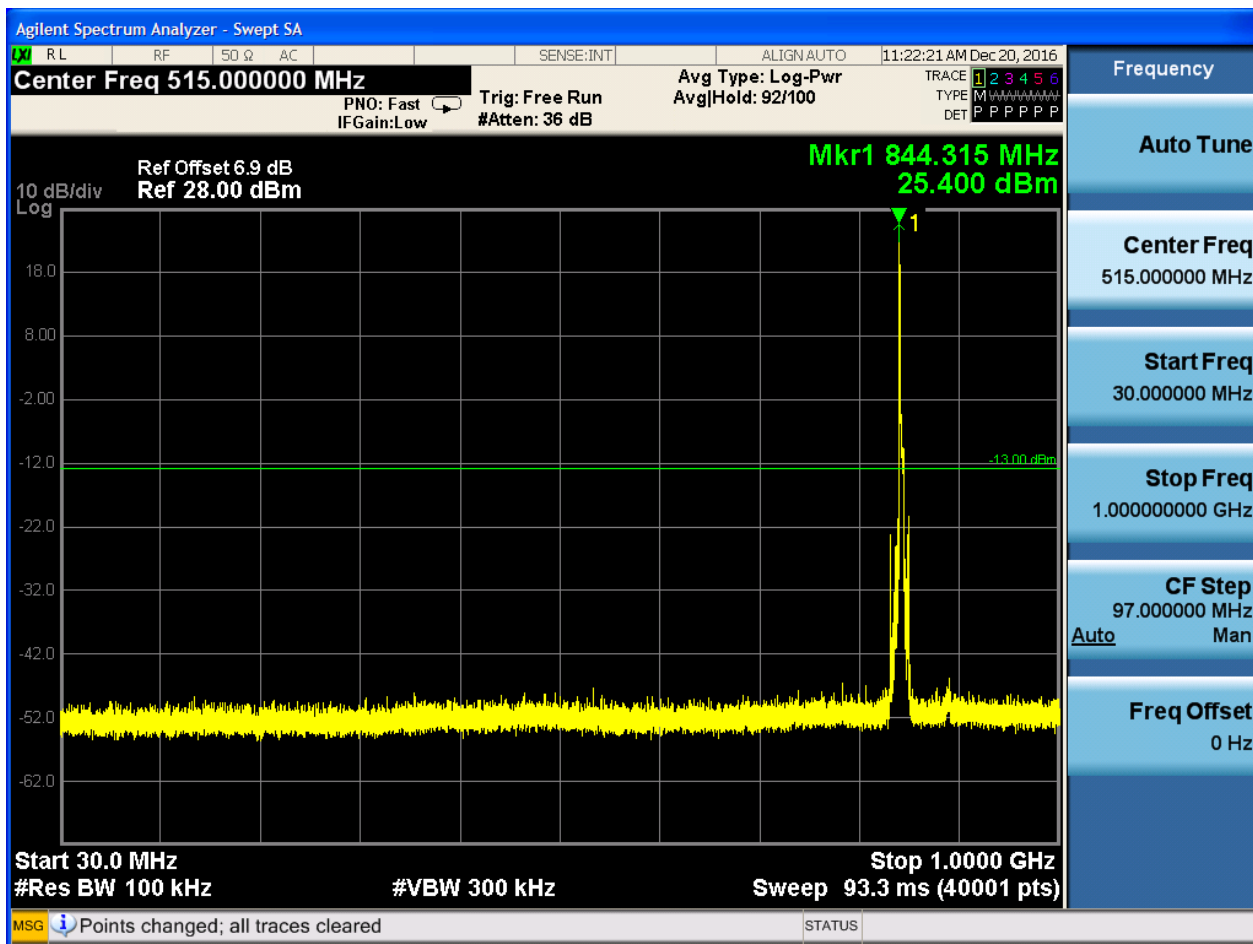


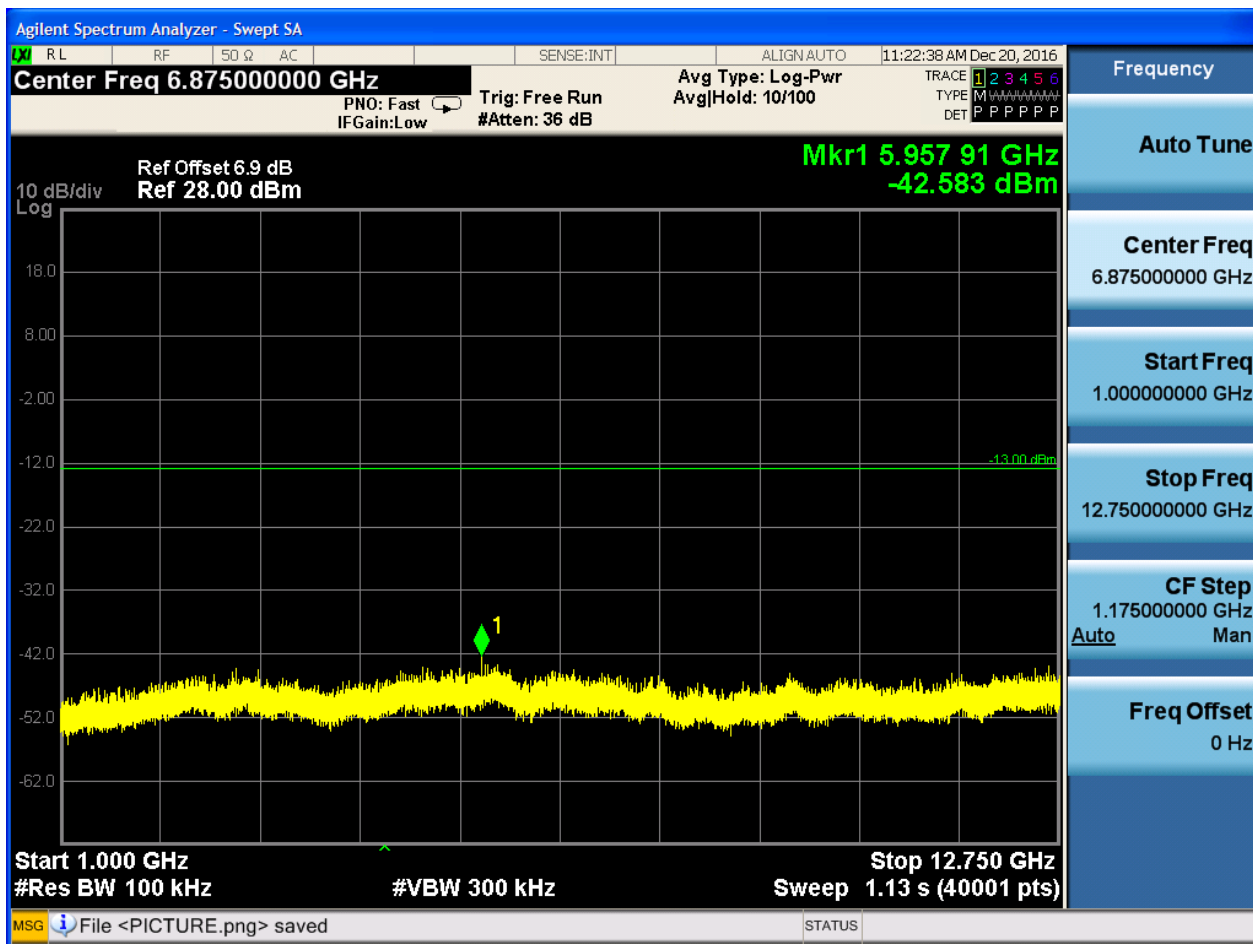
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







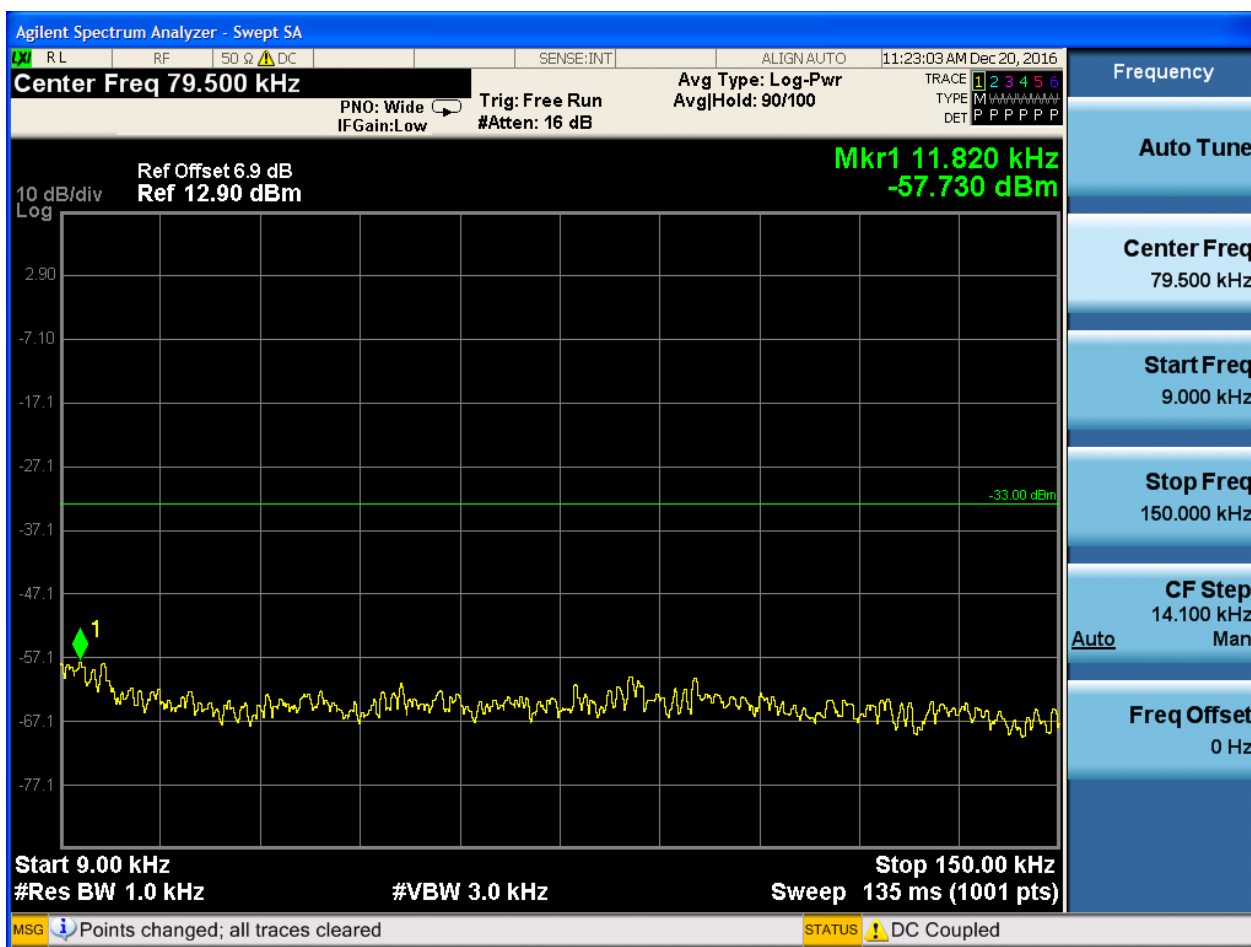


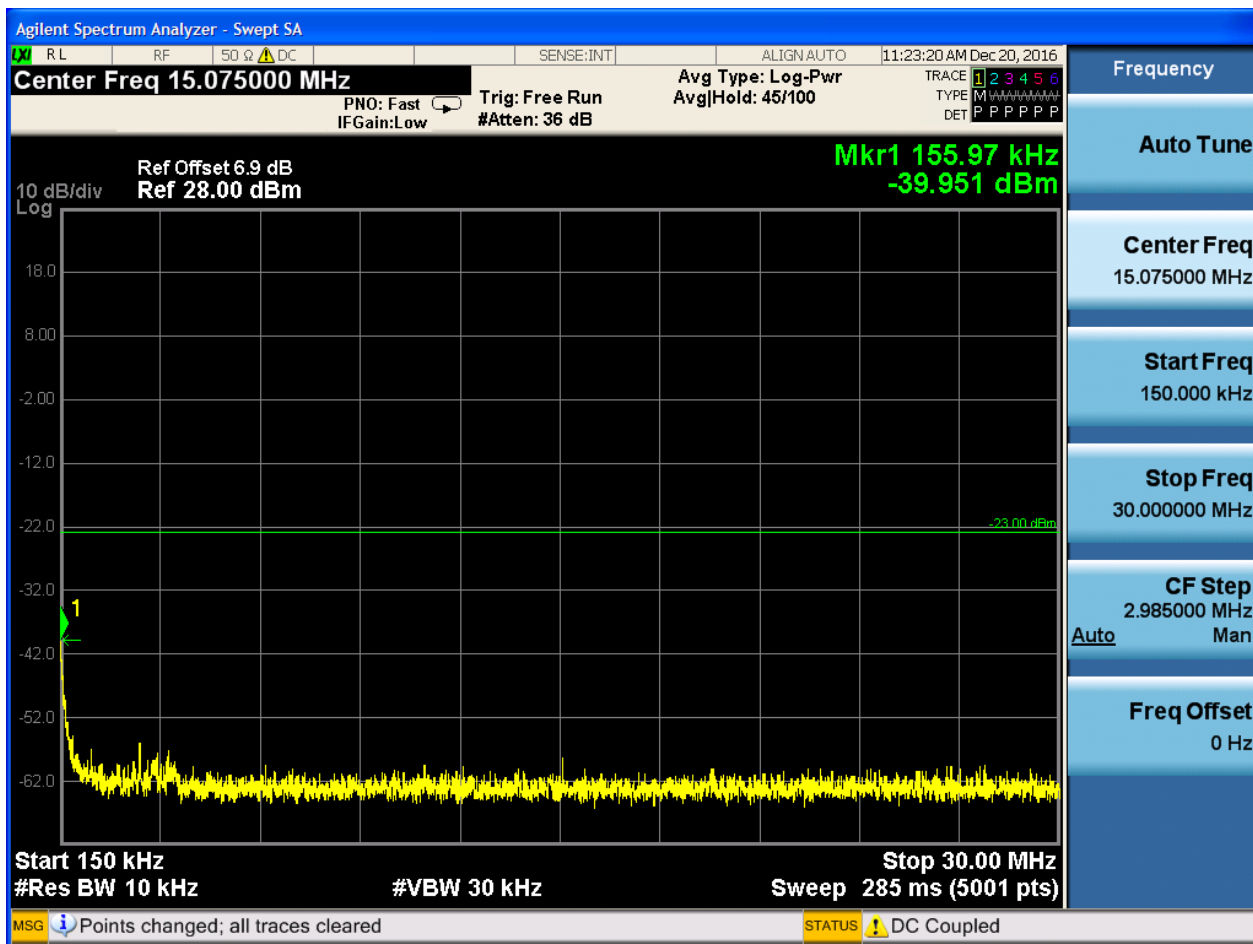


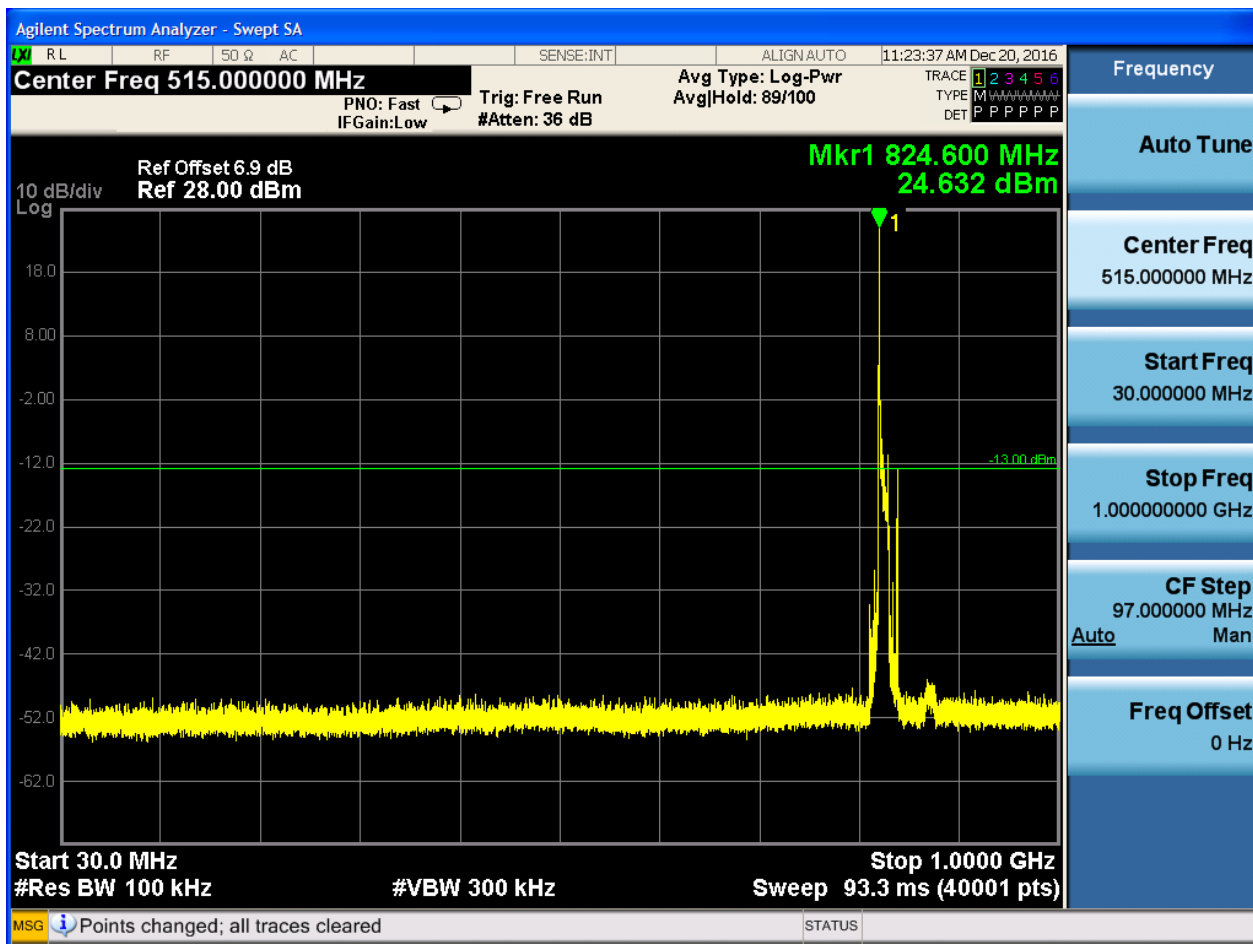
6.1.1.1.4 Test Bandwidth = 10

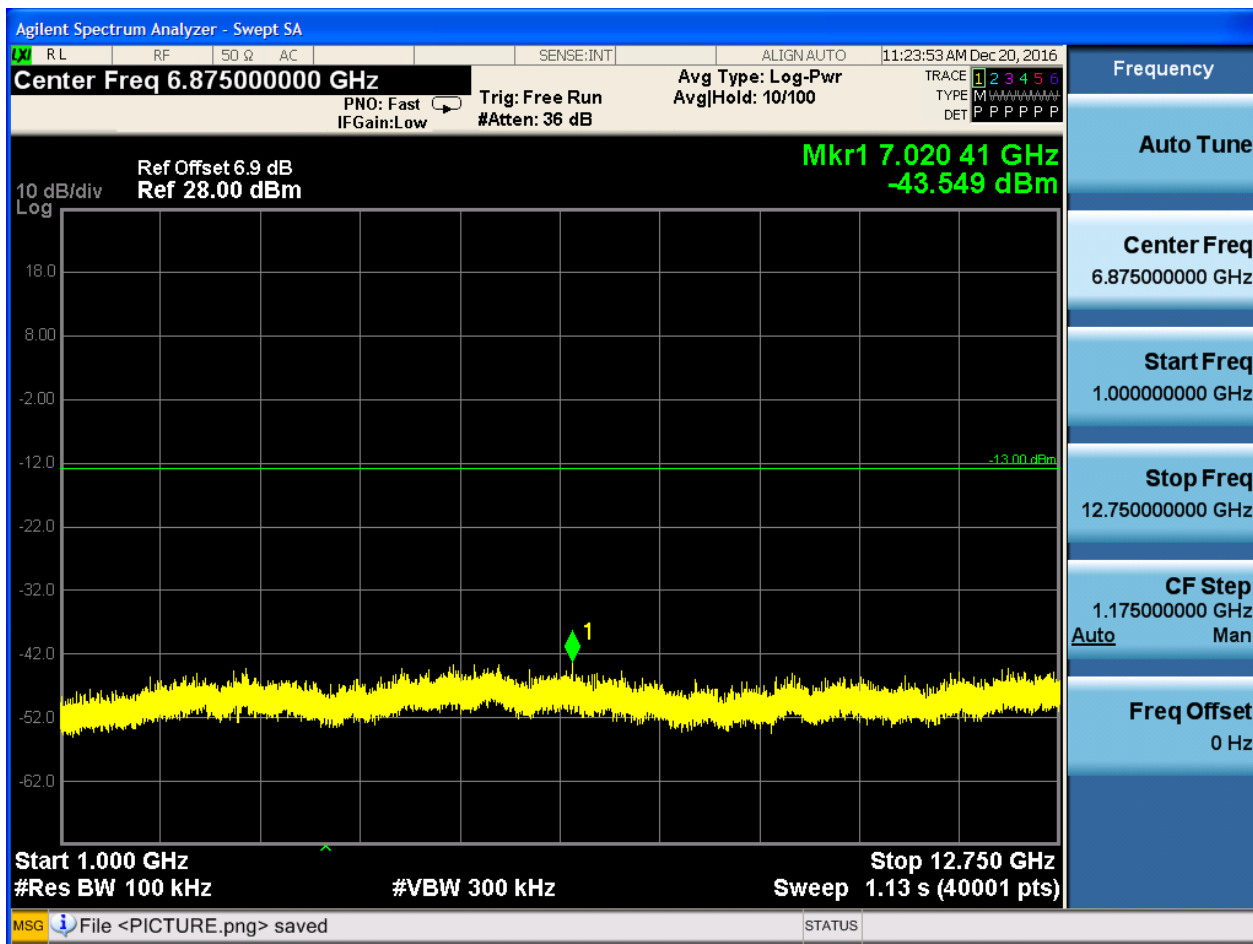
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





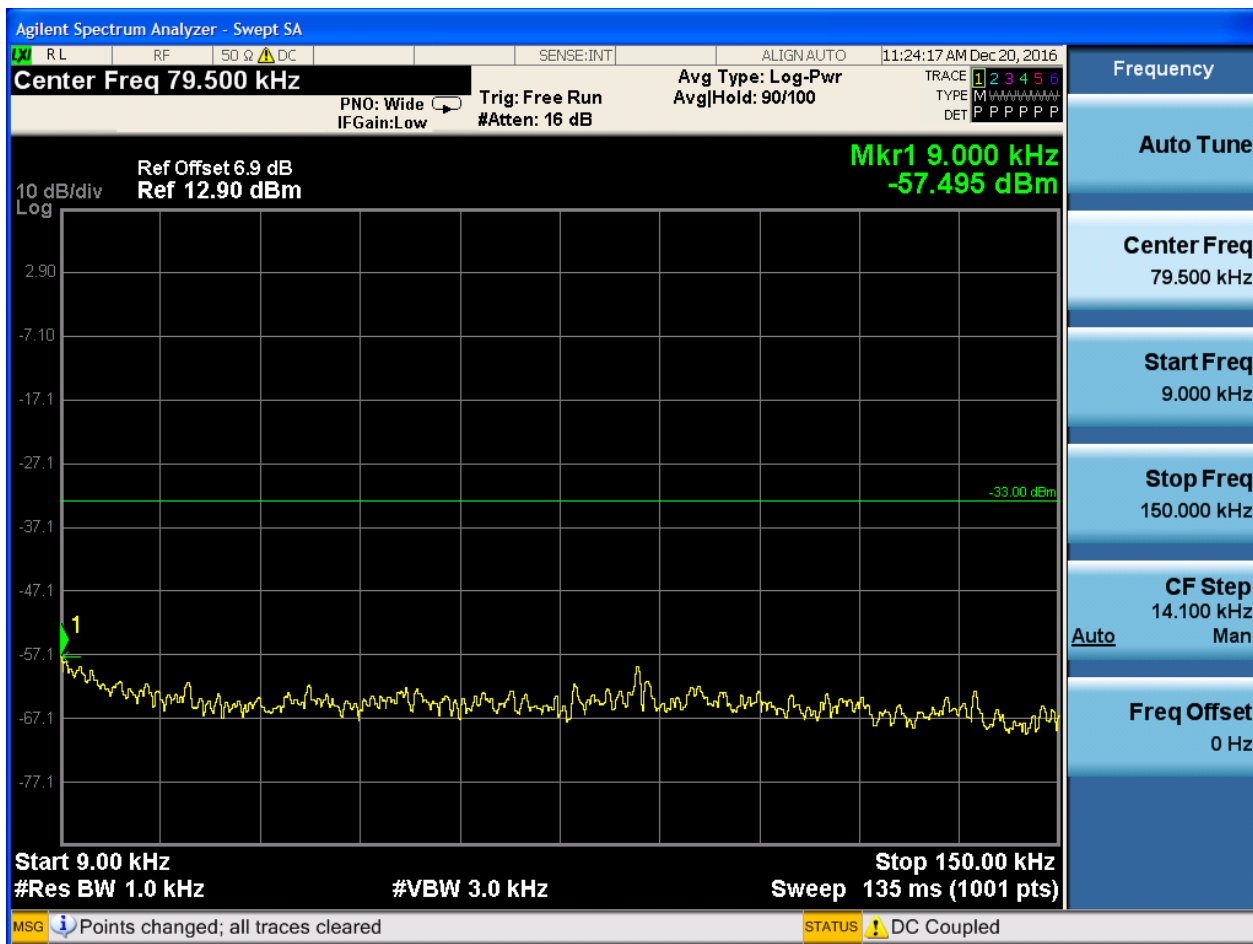


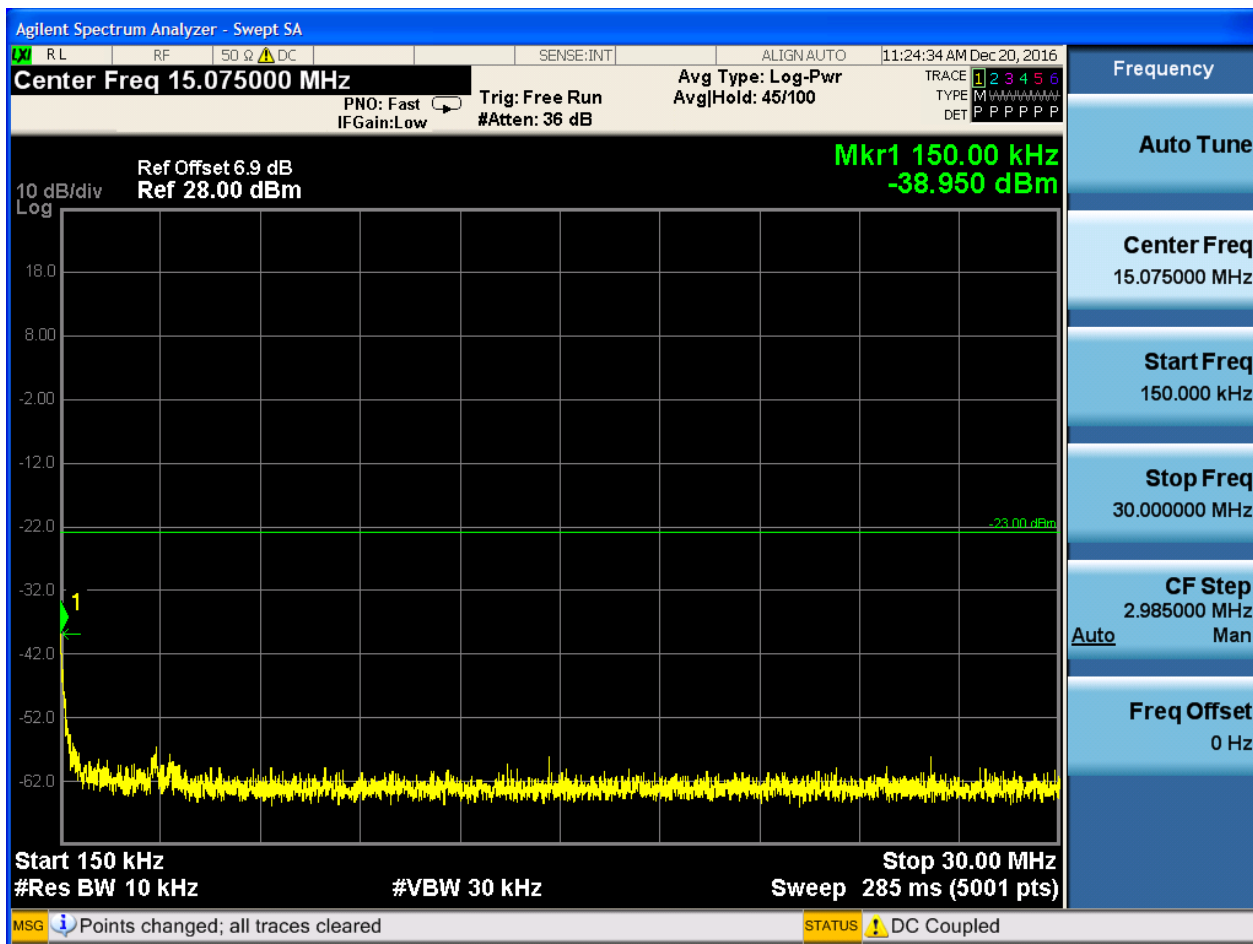


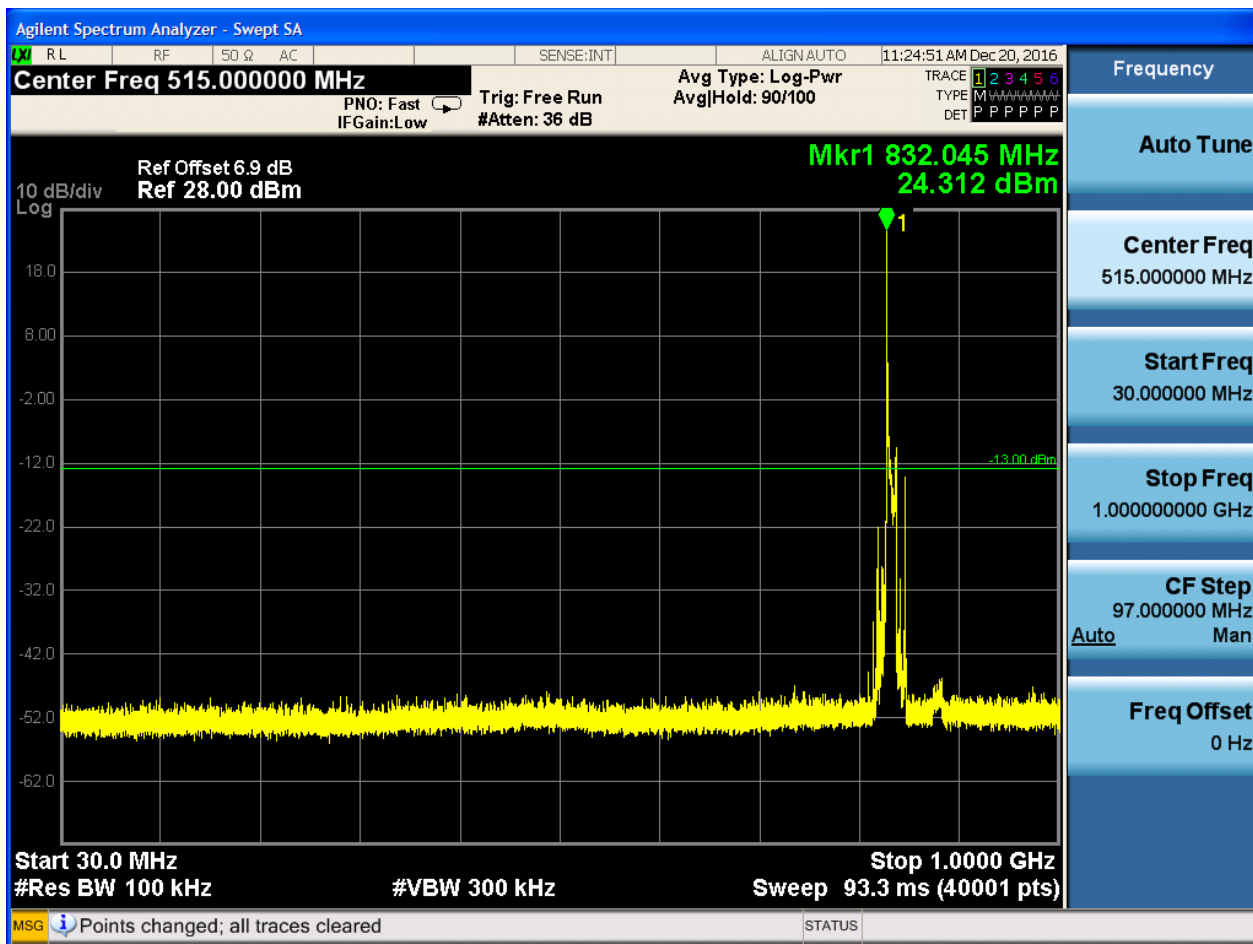


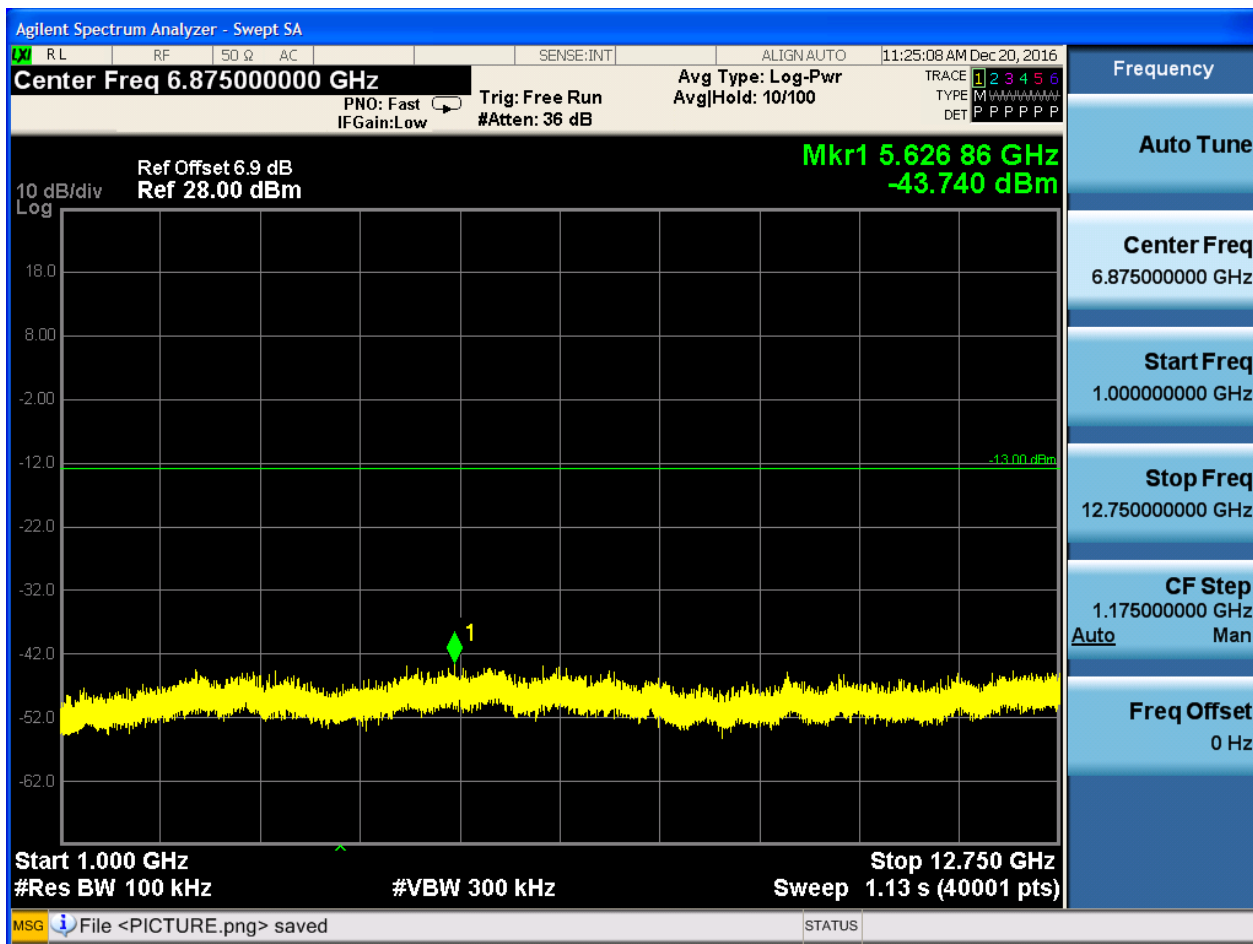
6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0





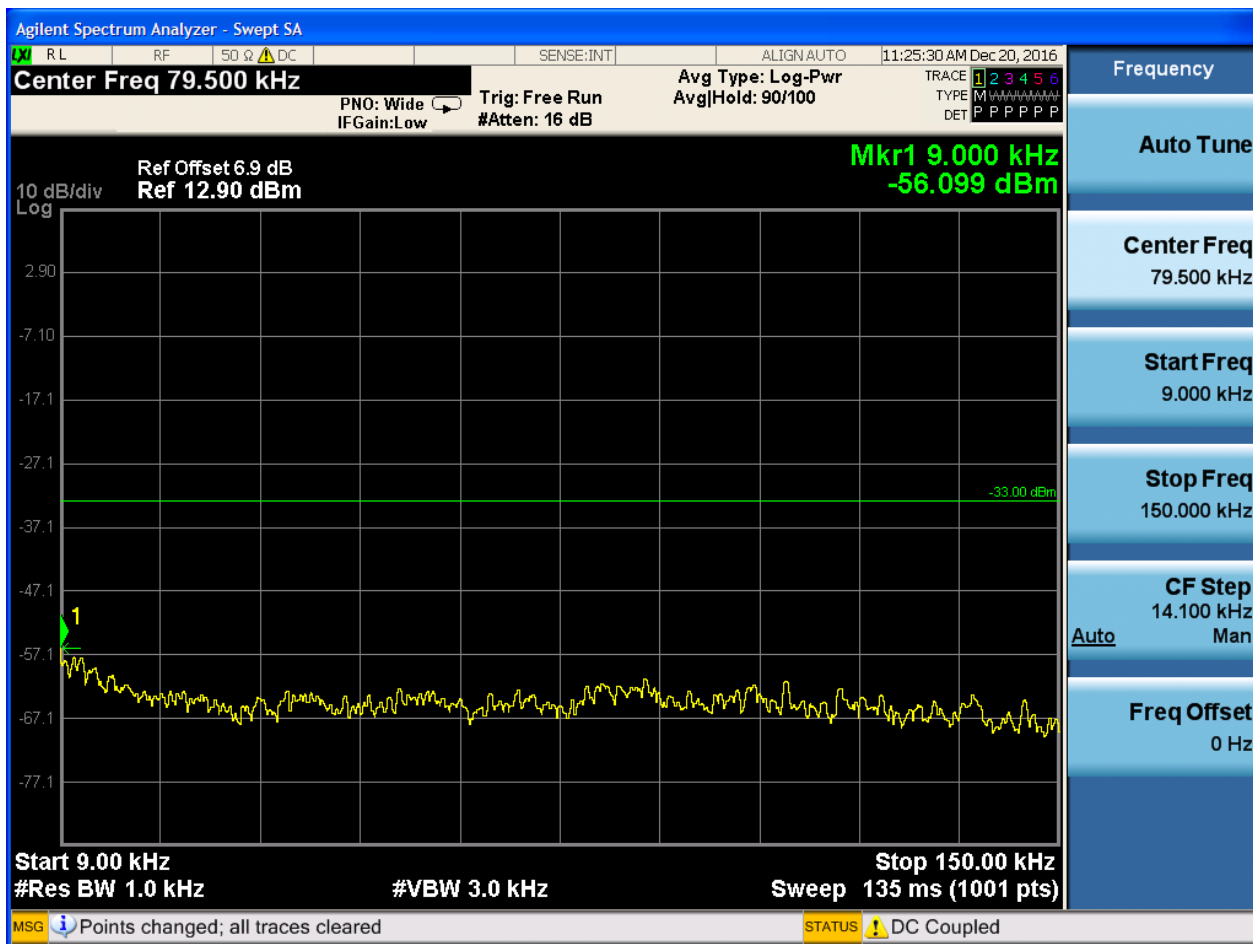


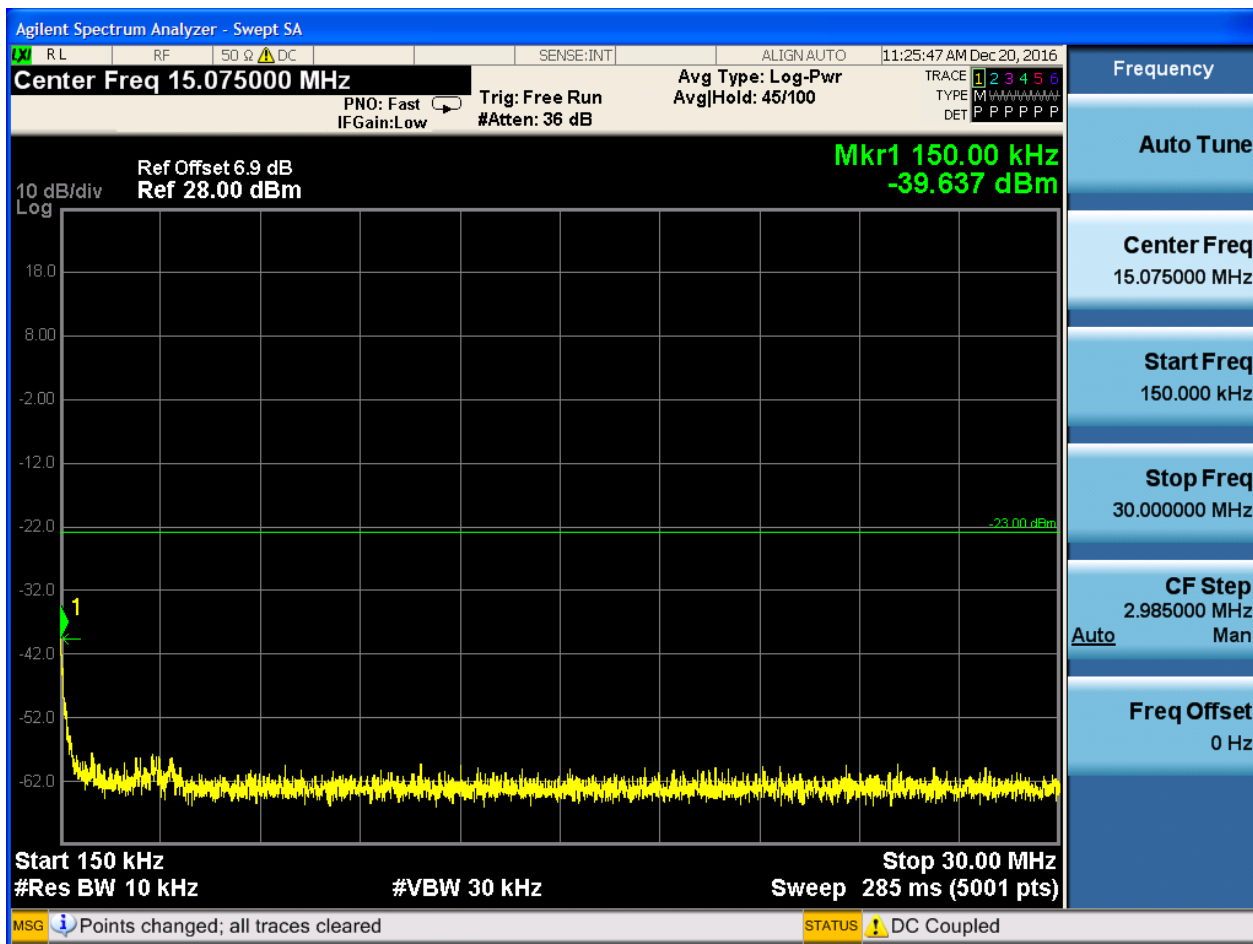


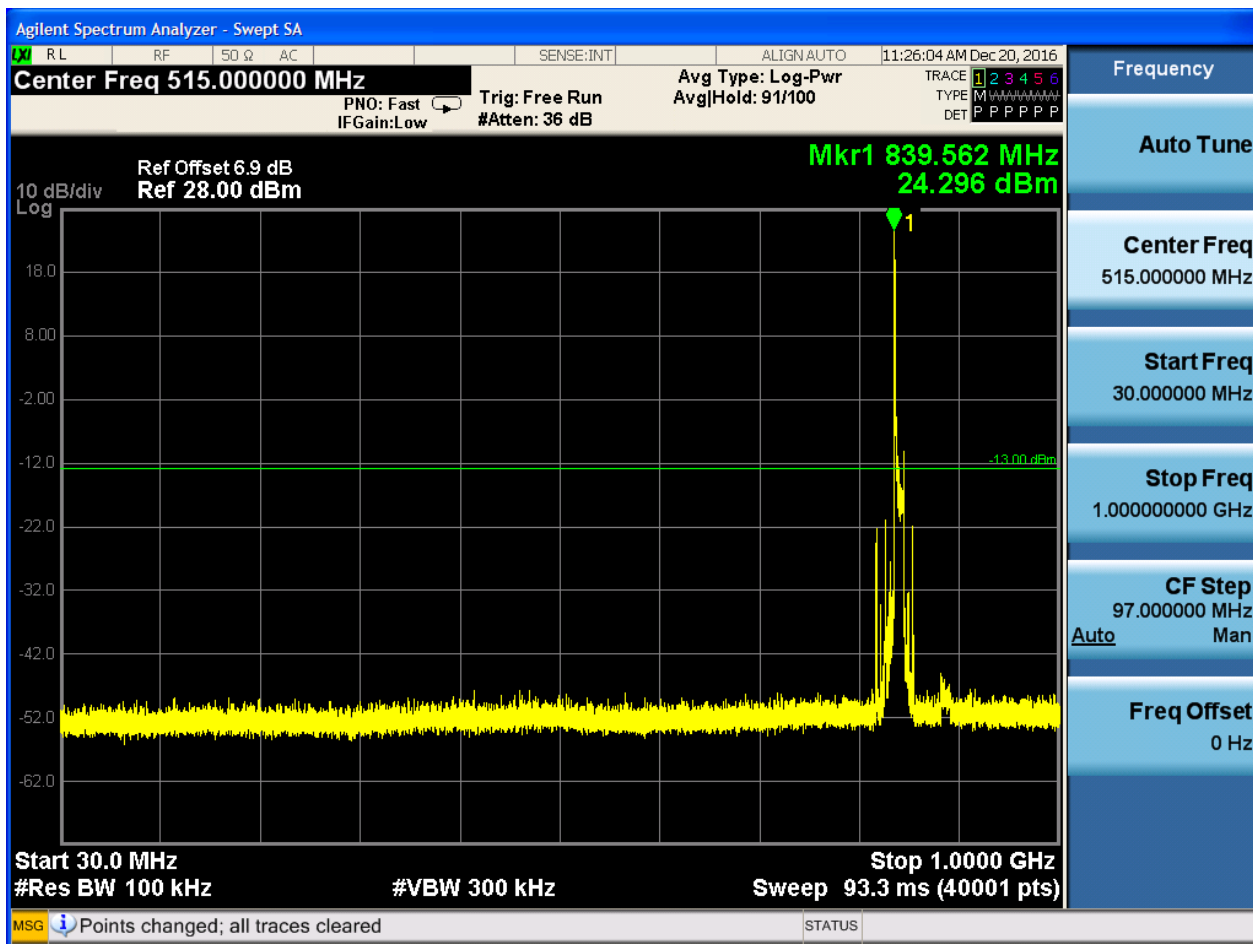


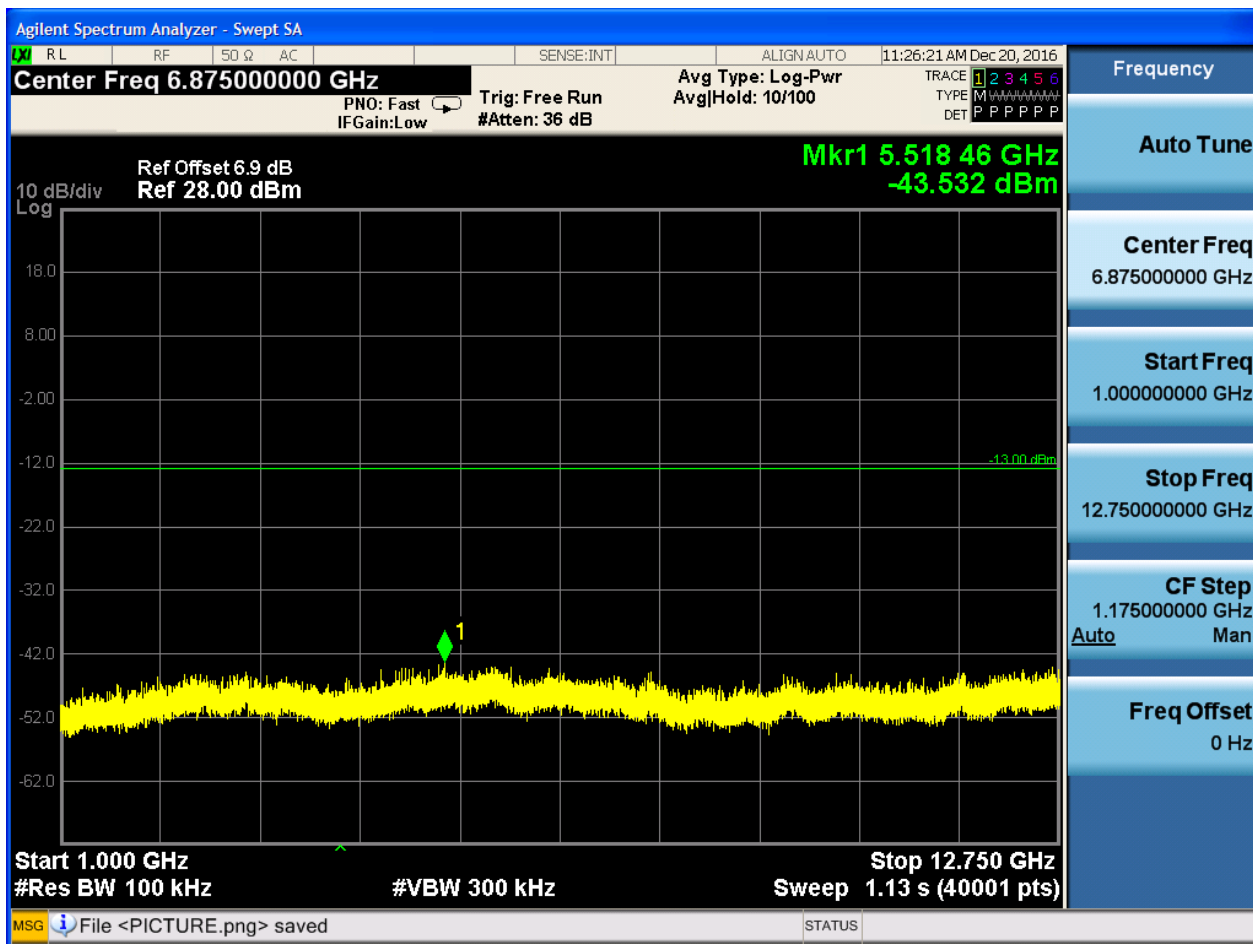
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









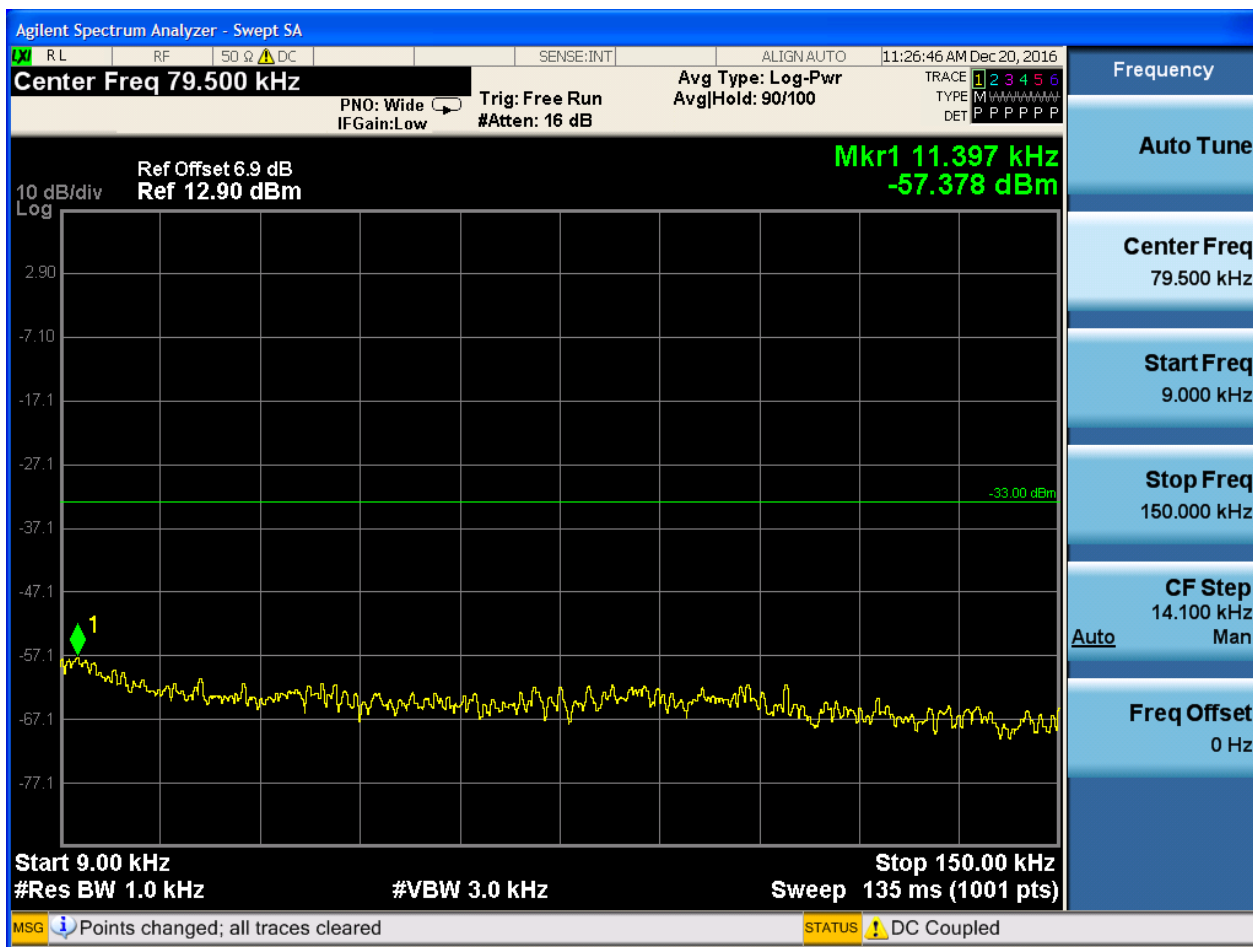


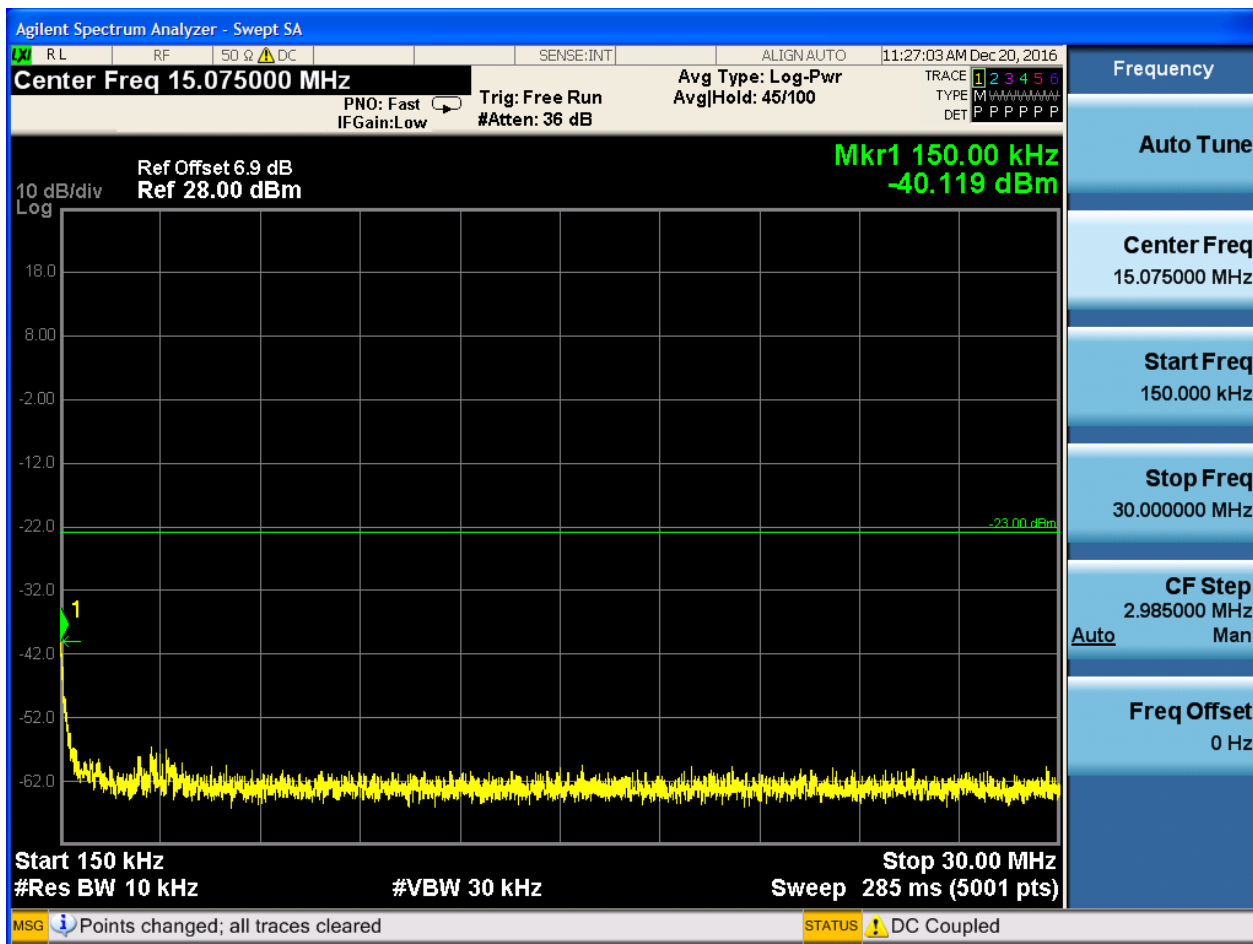
6.1.1.2 Test Mode = LTE/TM2

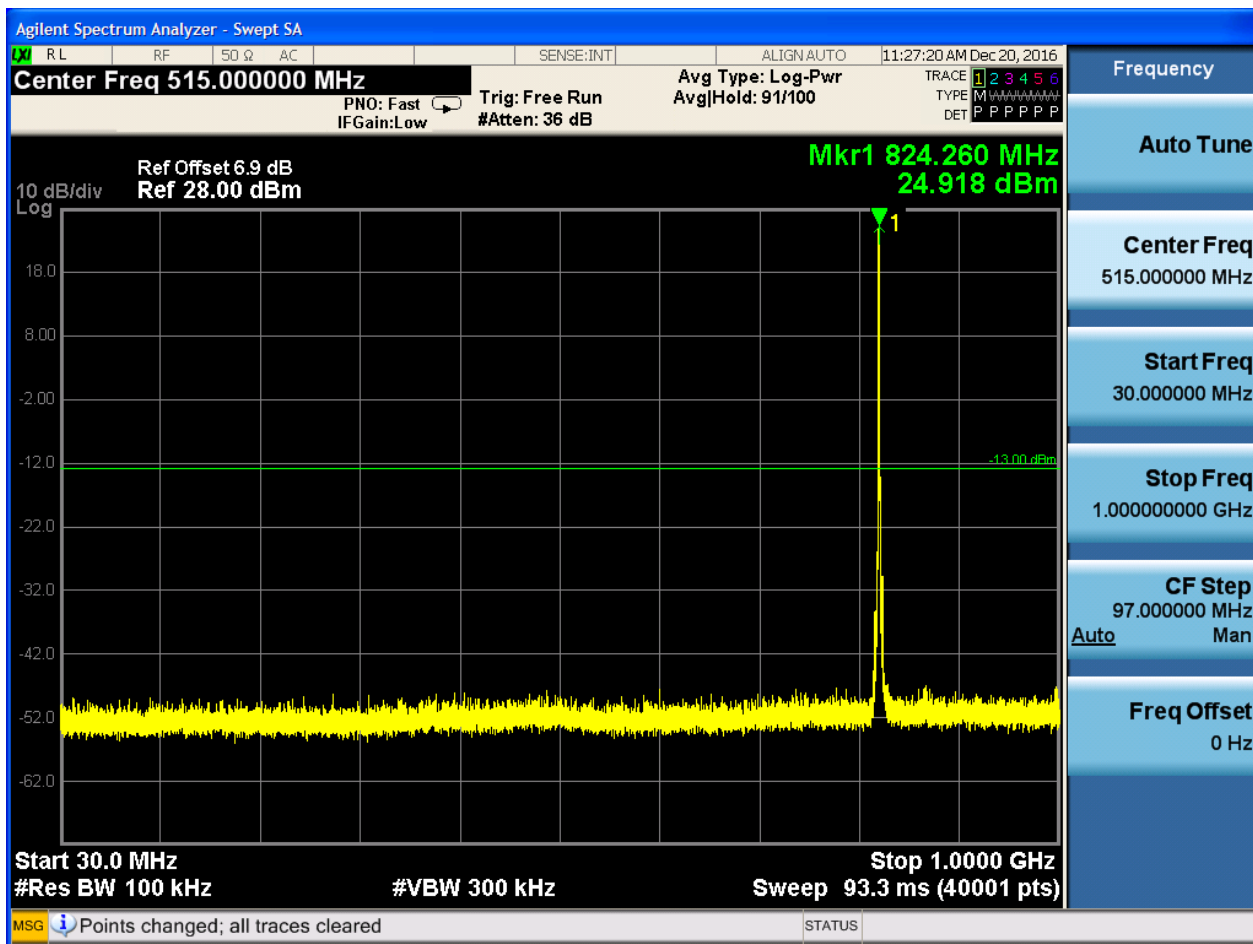
6.1.1.2.1 Test Bandwidth = 1.4

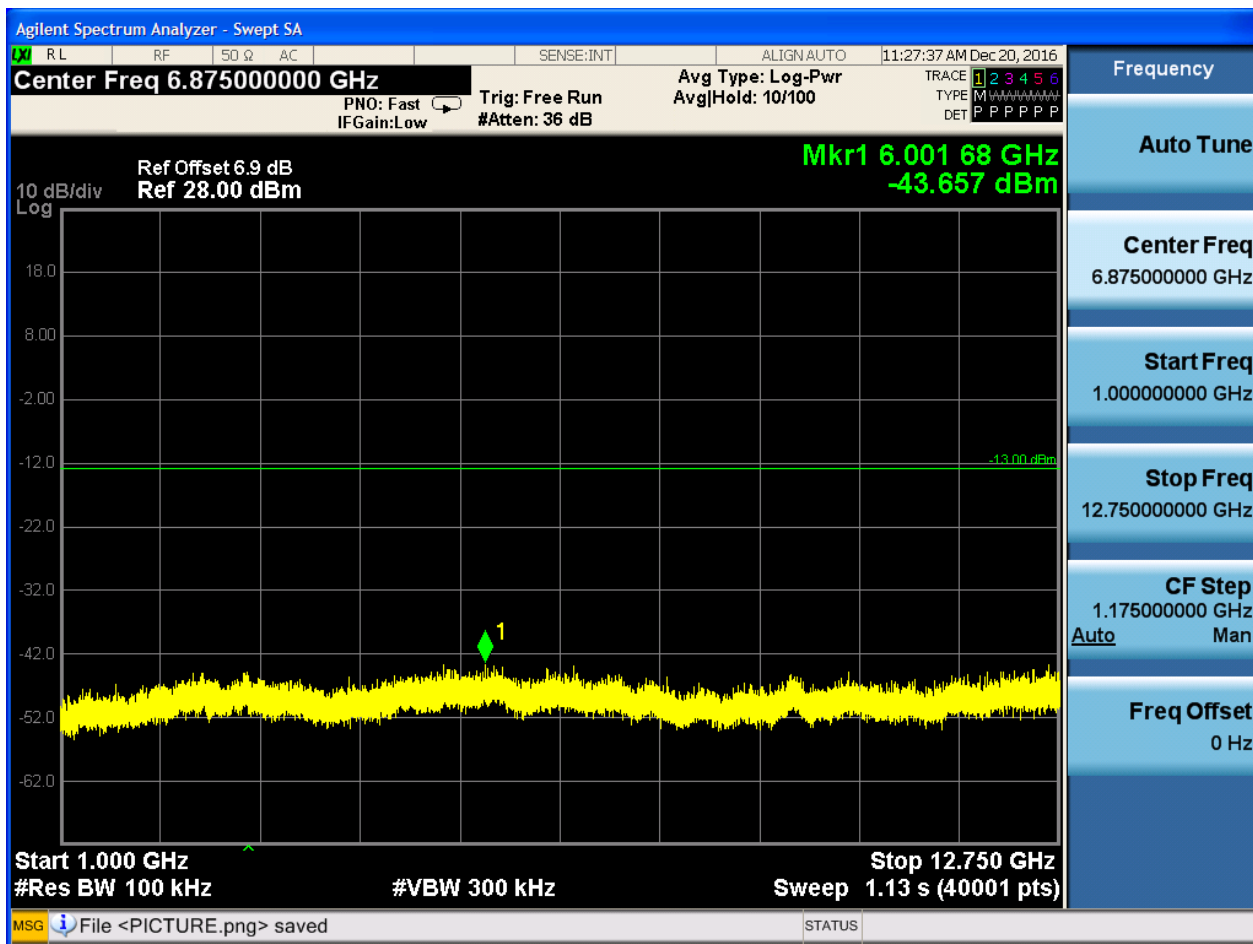
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



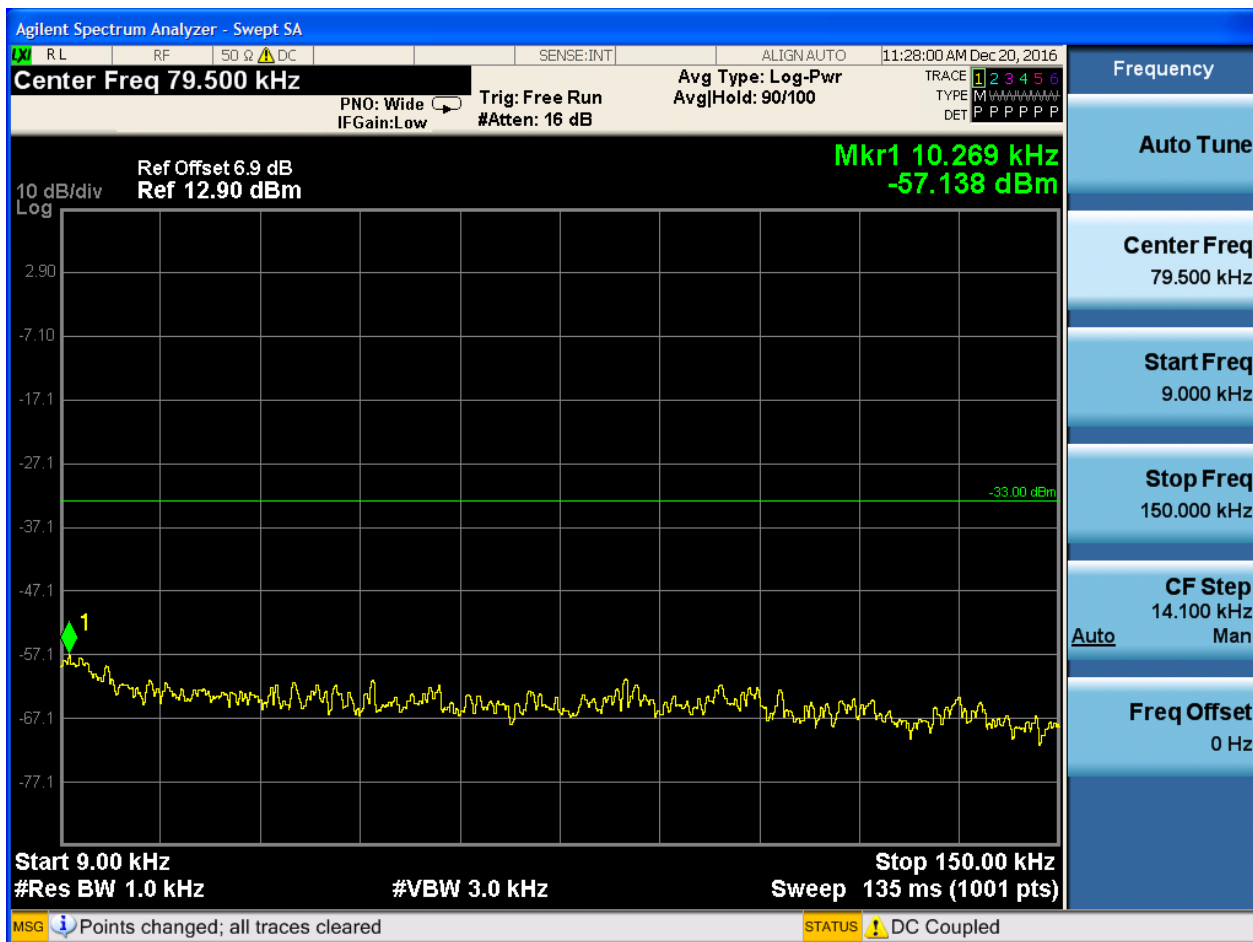


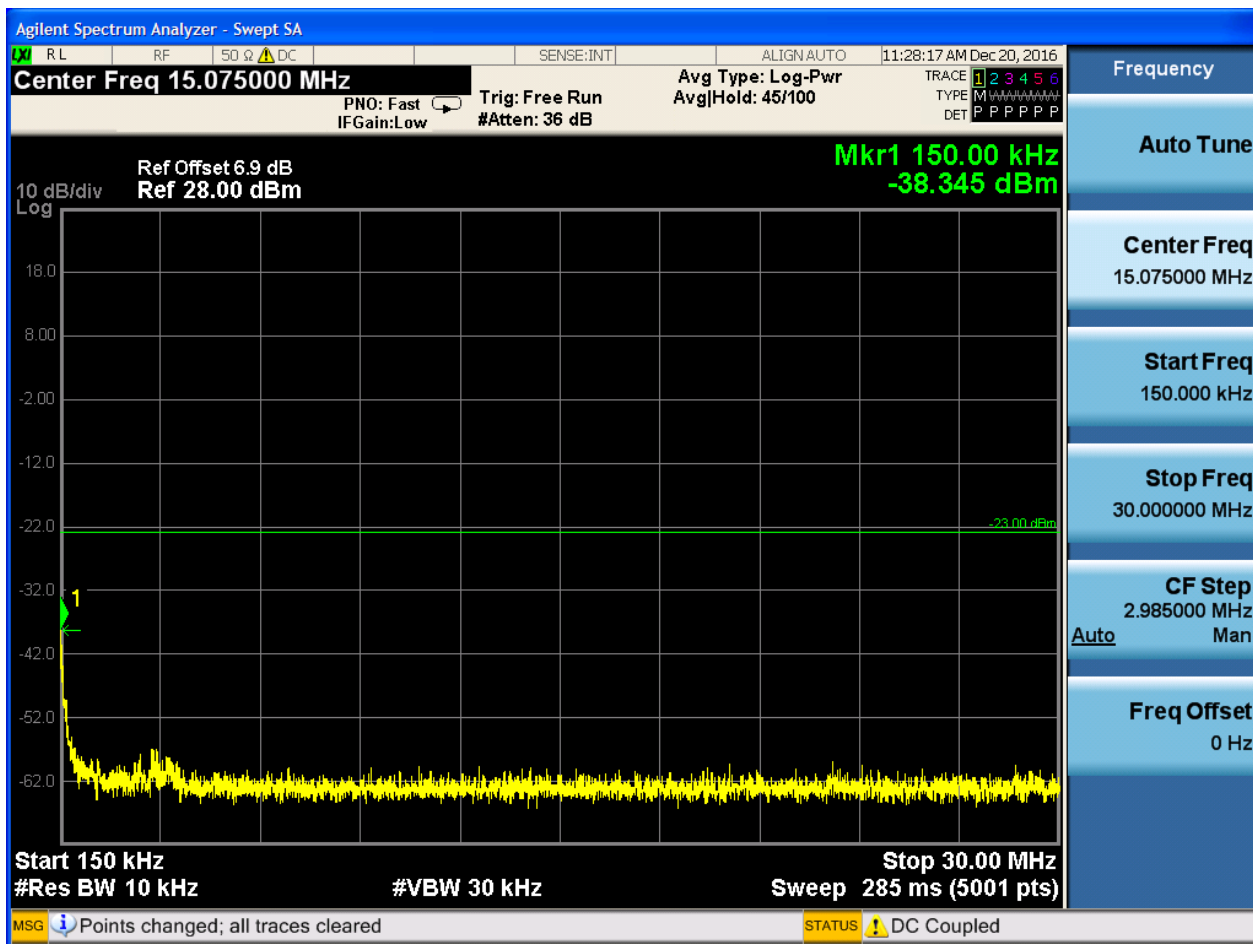


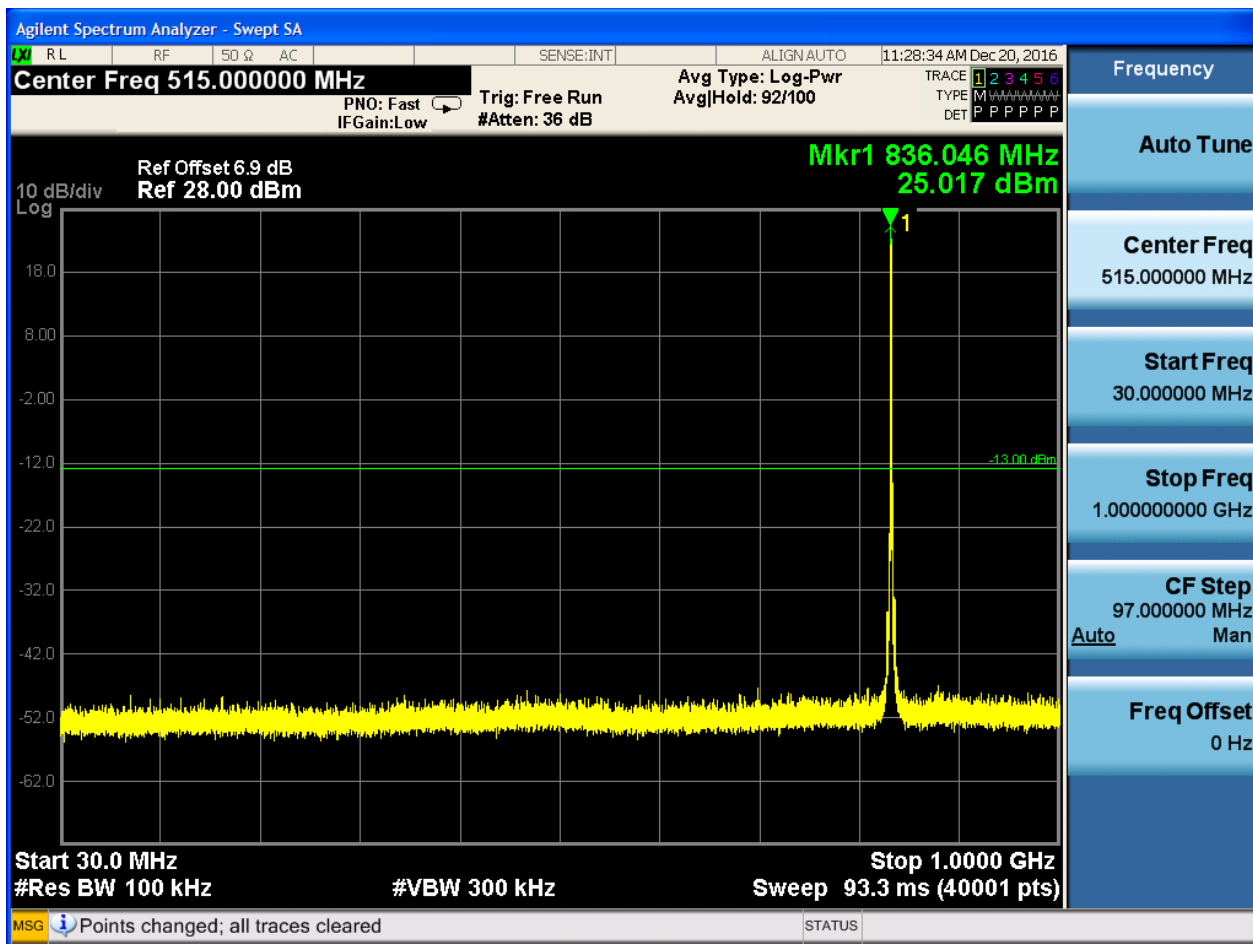


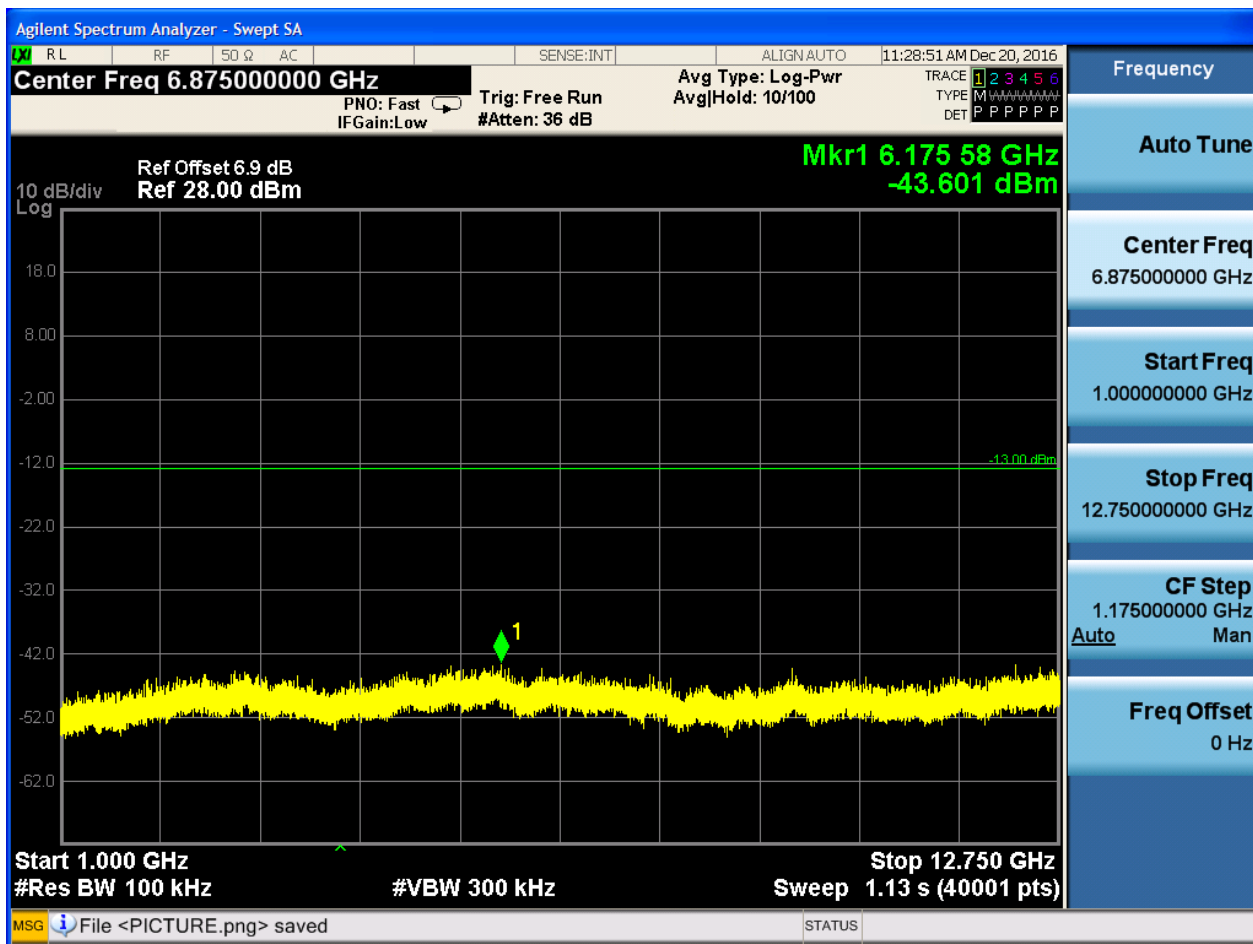
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





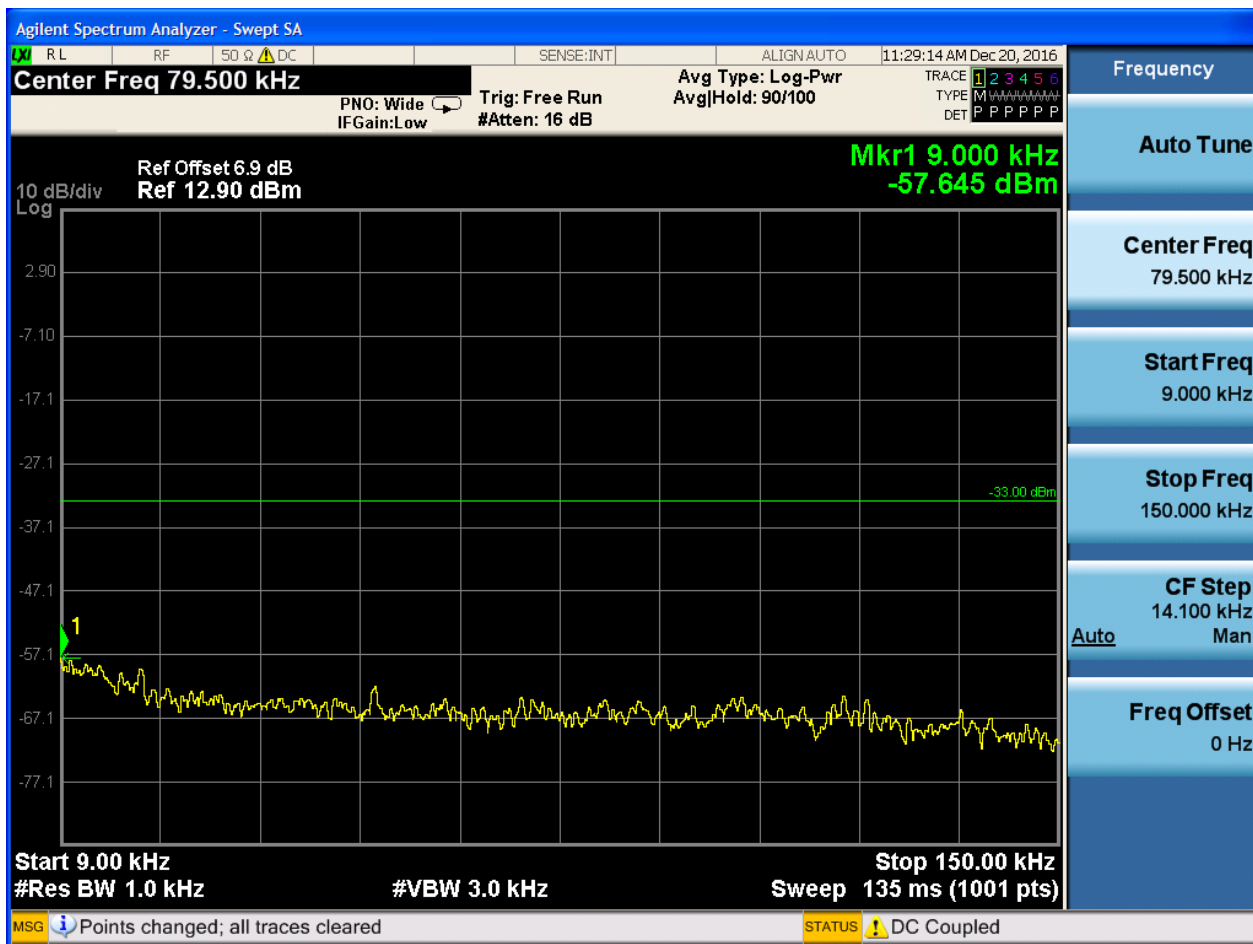


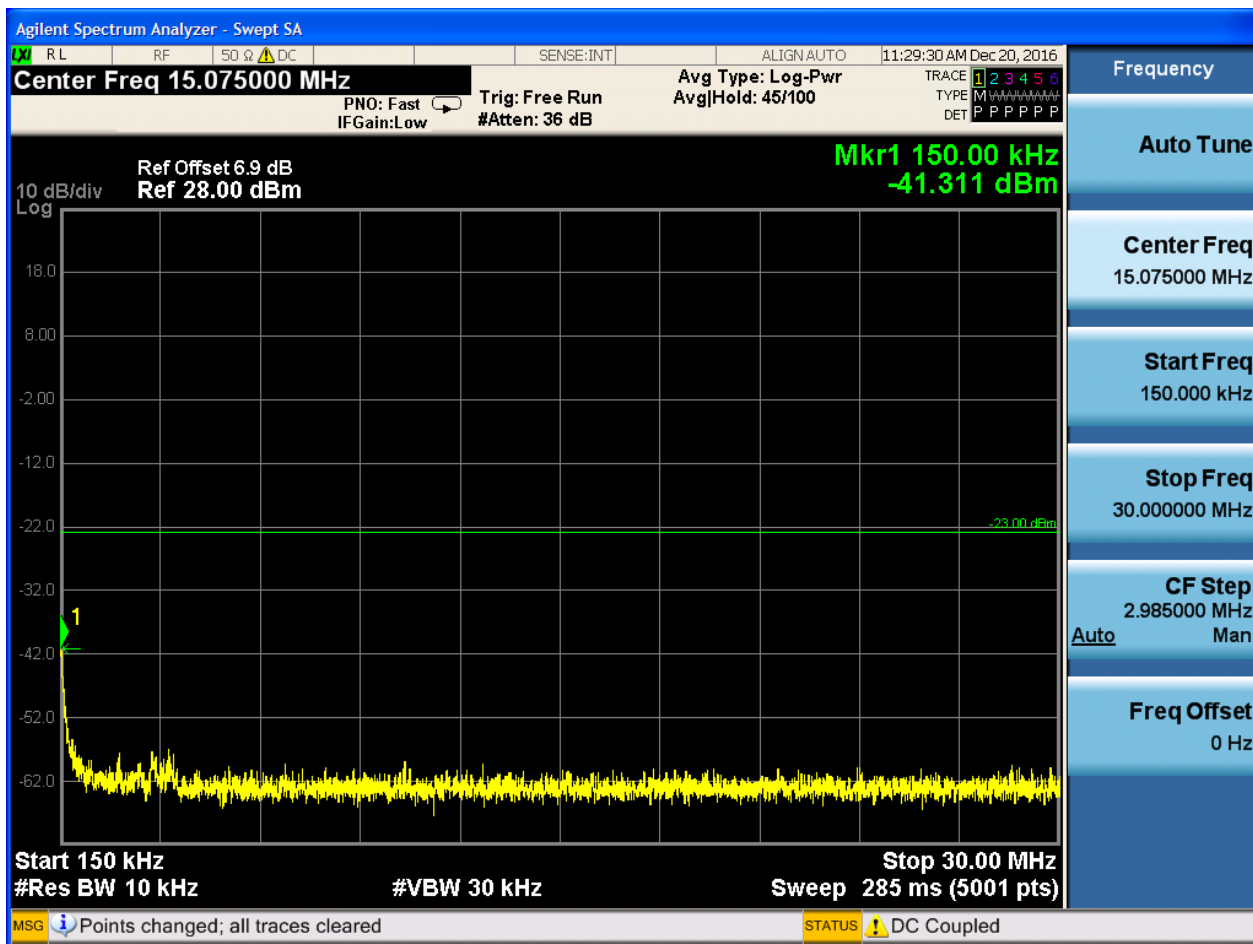


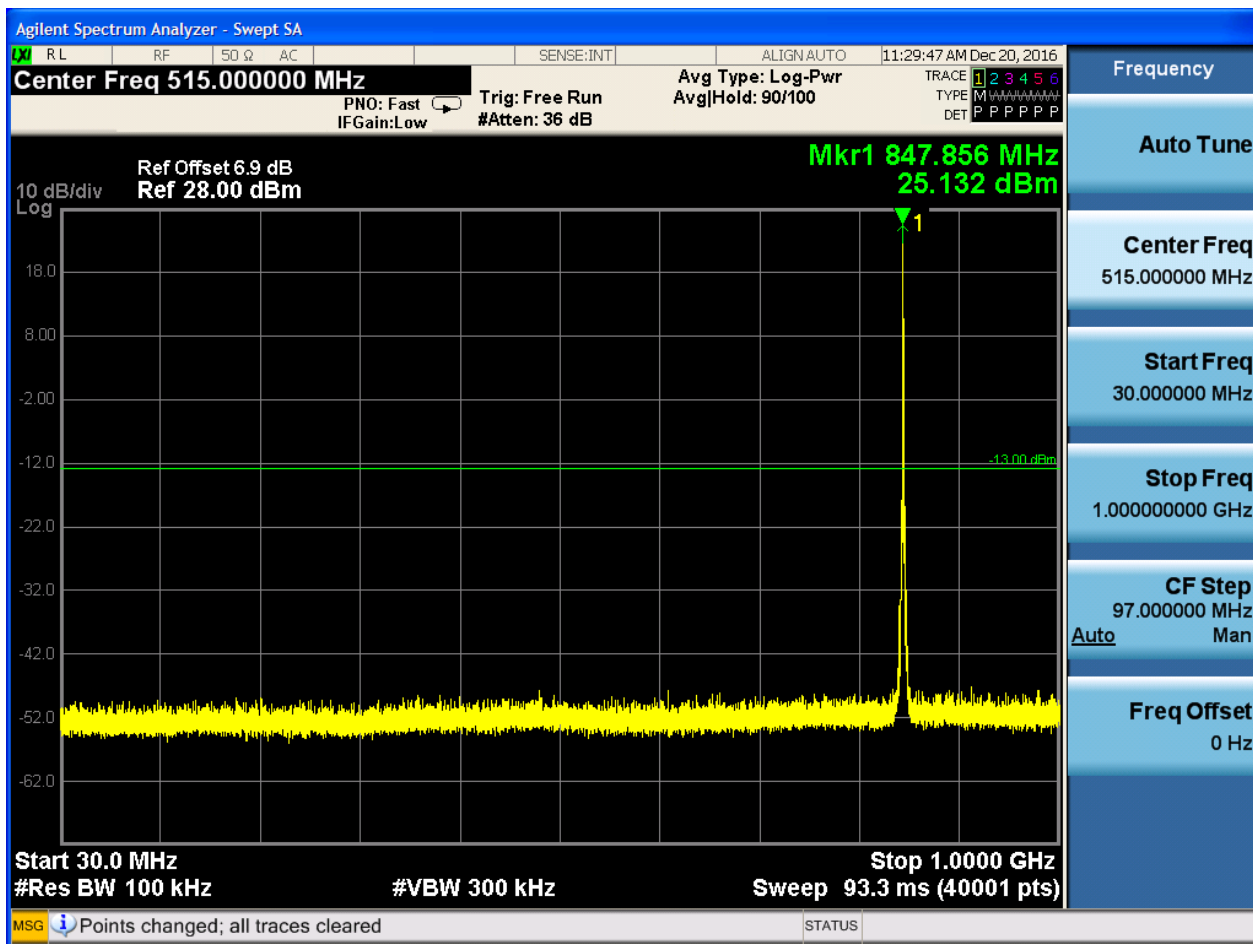


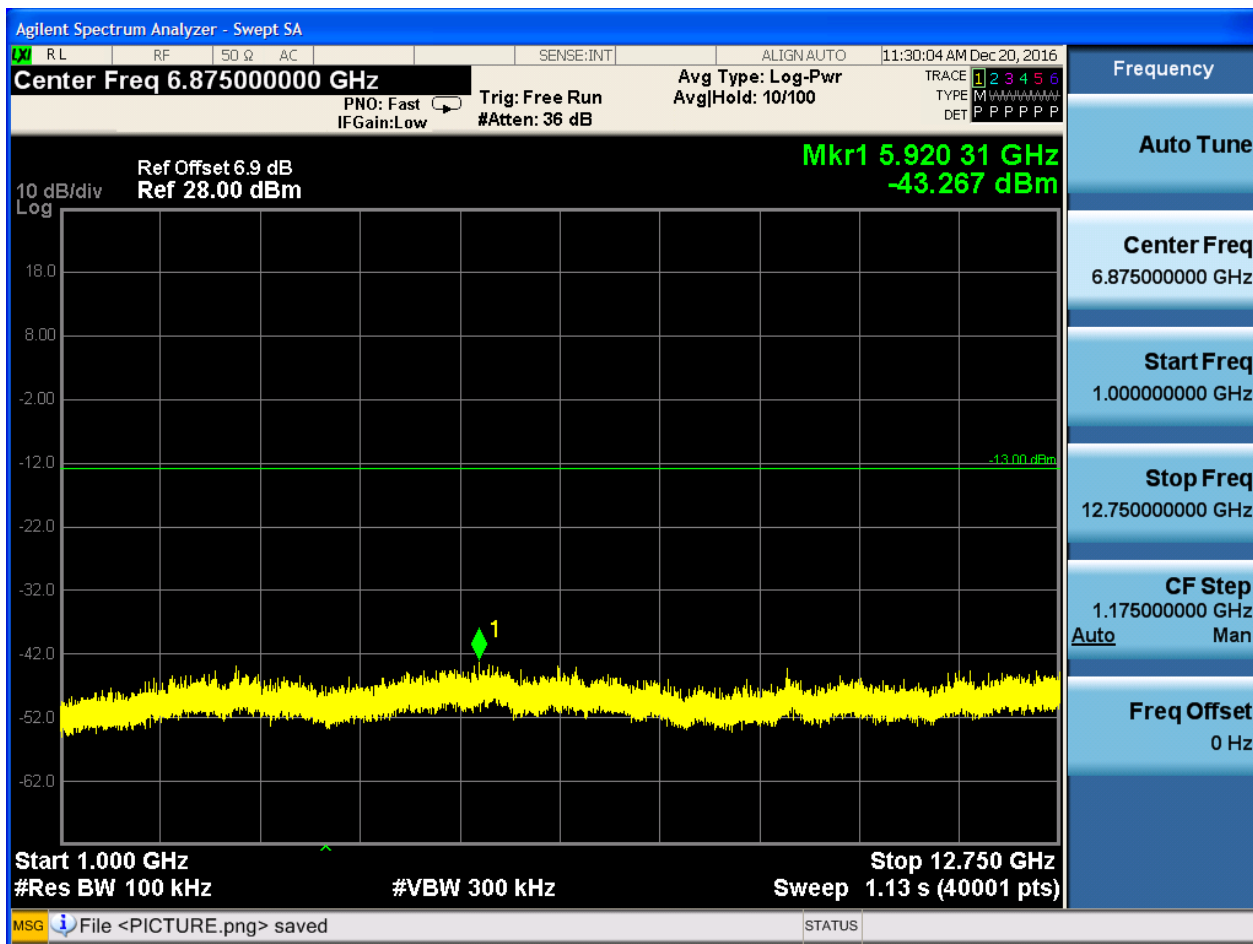
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





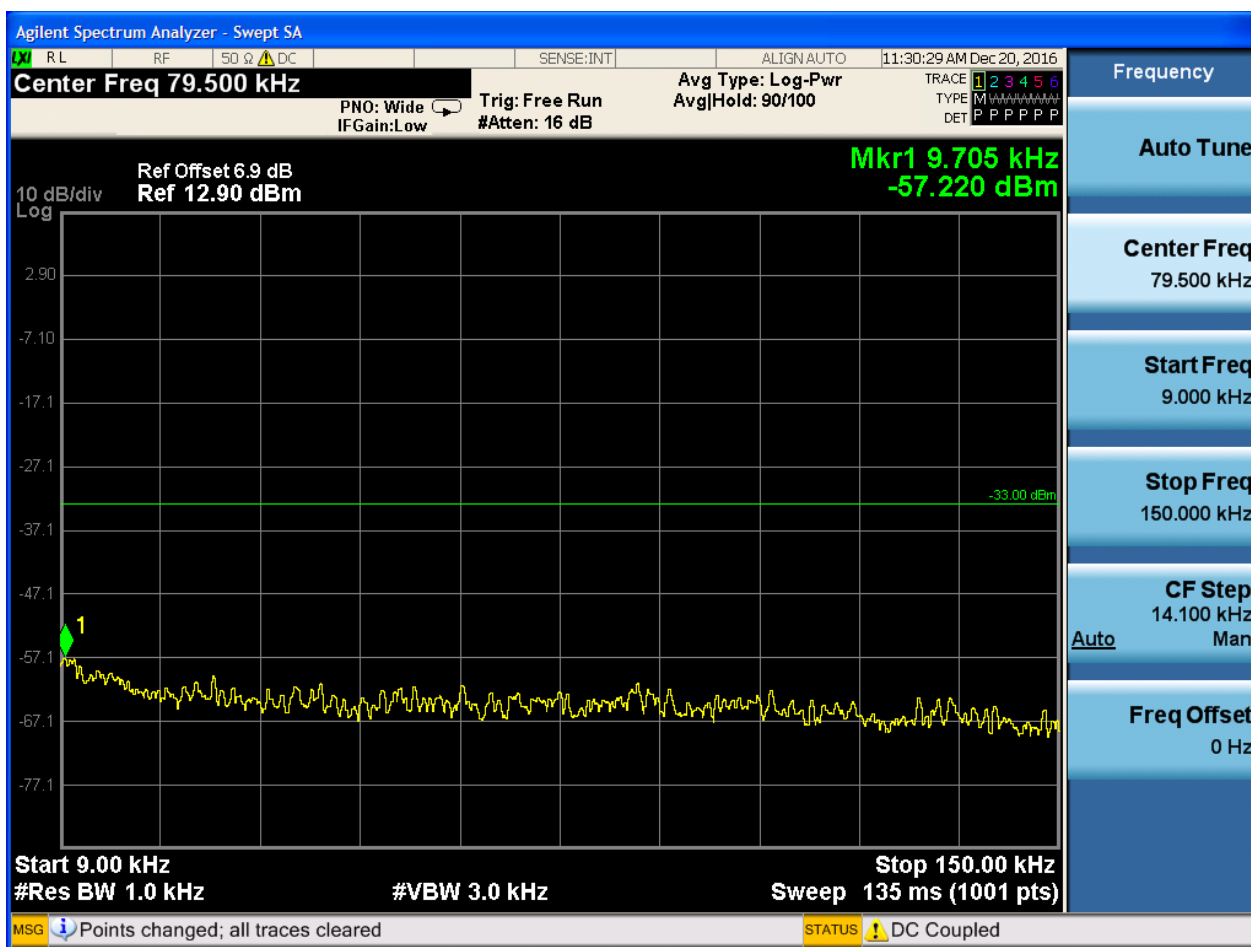


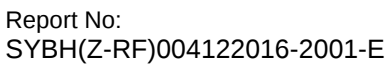
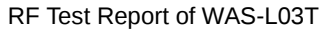


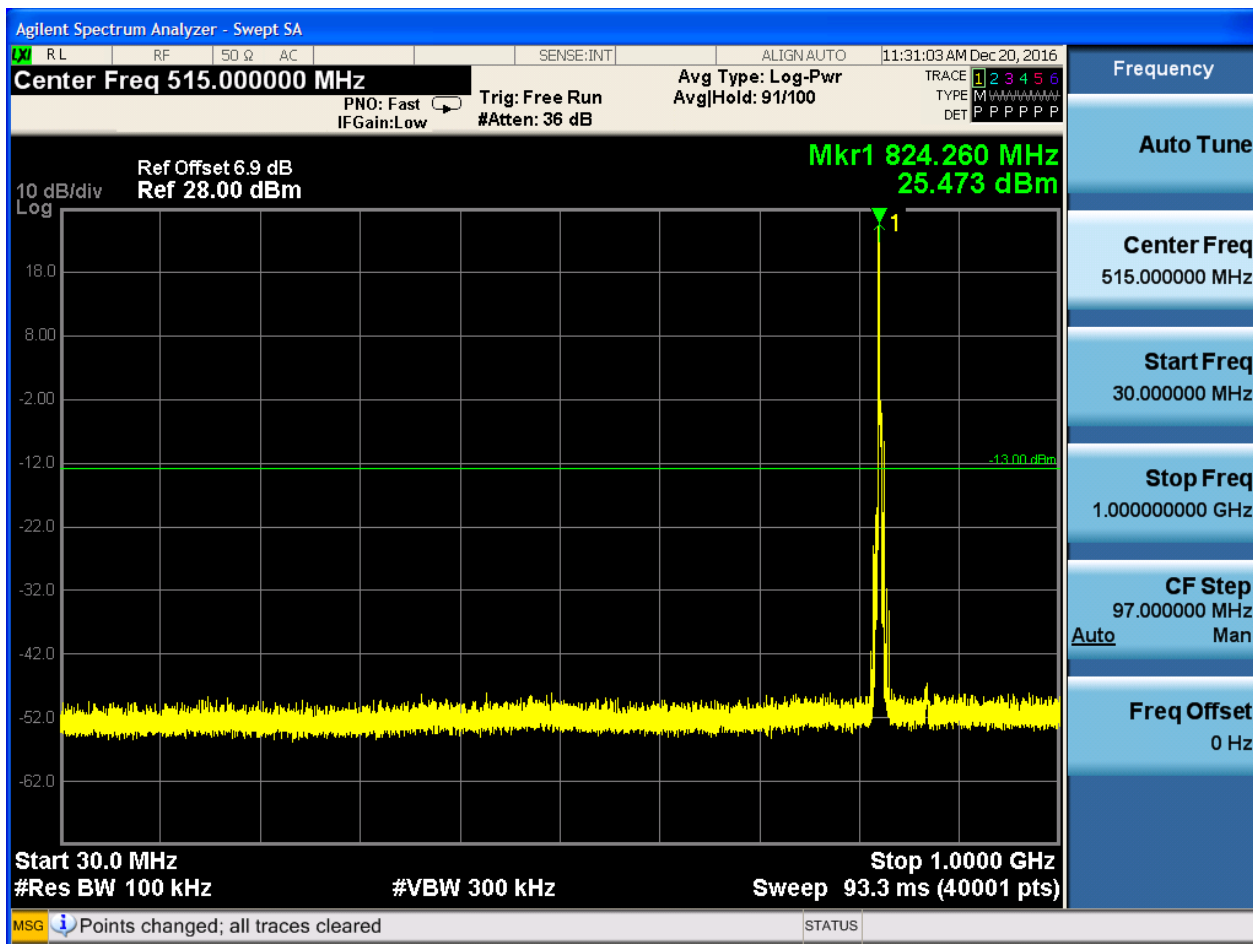
6.1.1.2.2 Test Bandwidth = 3

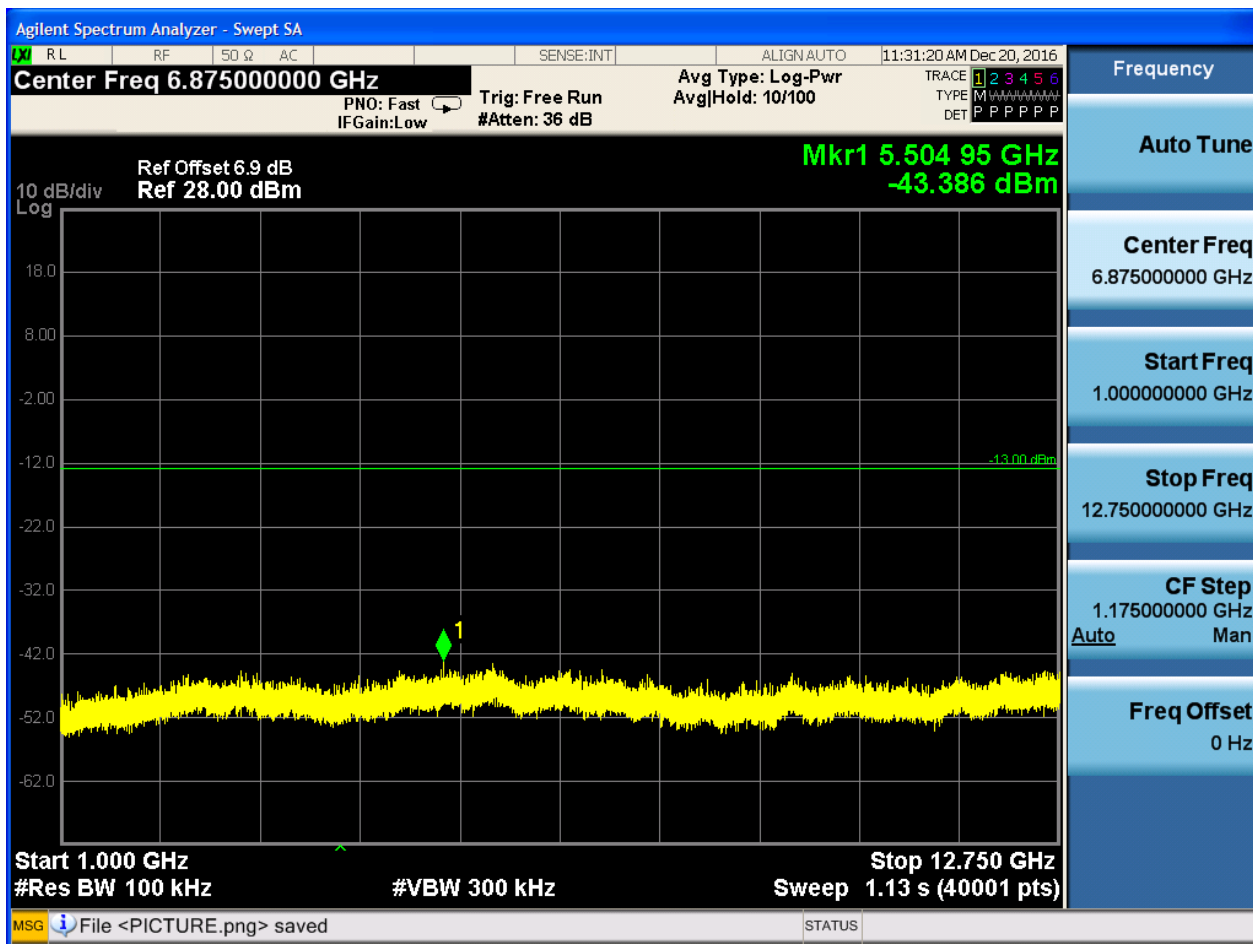
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





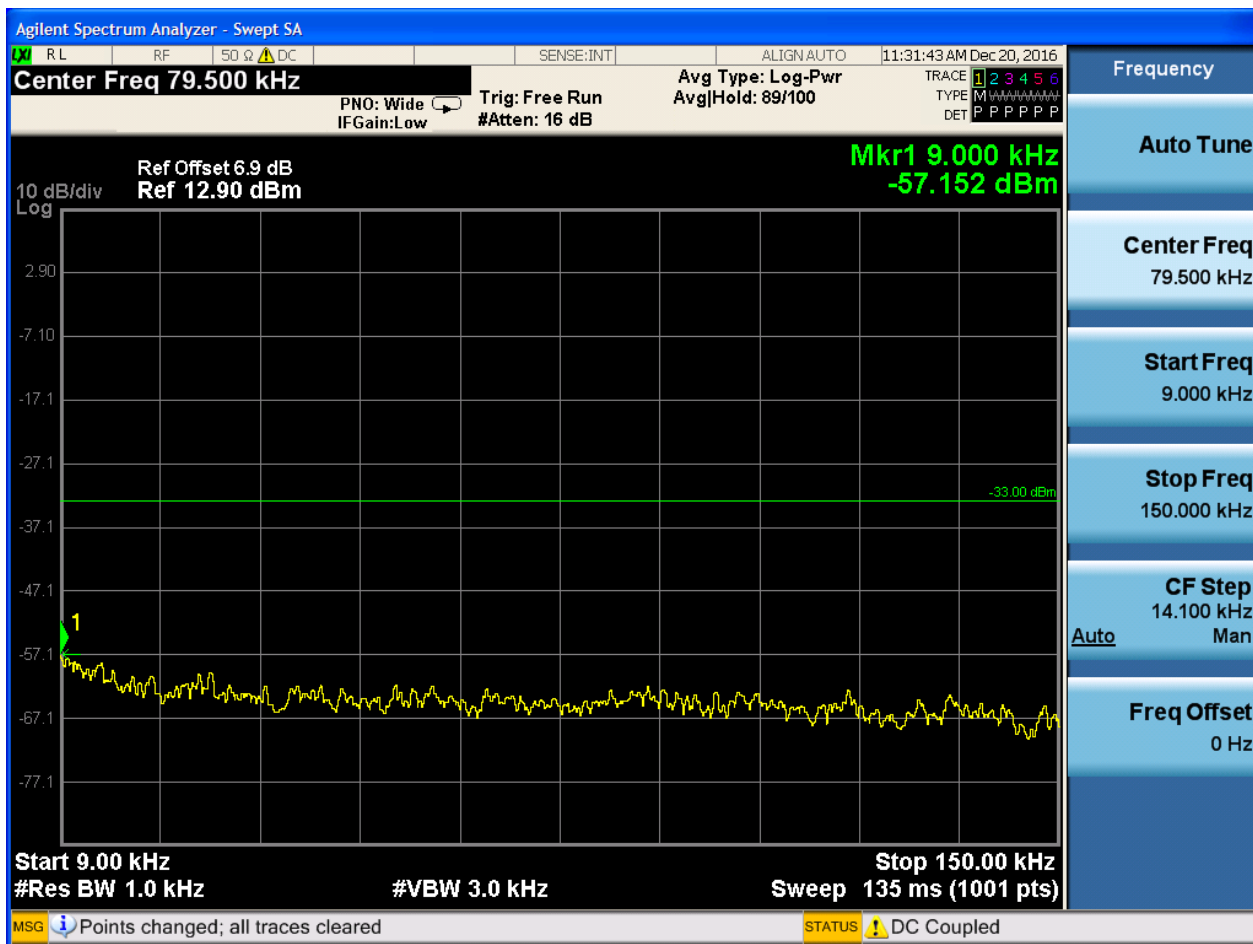


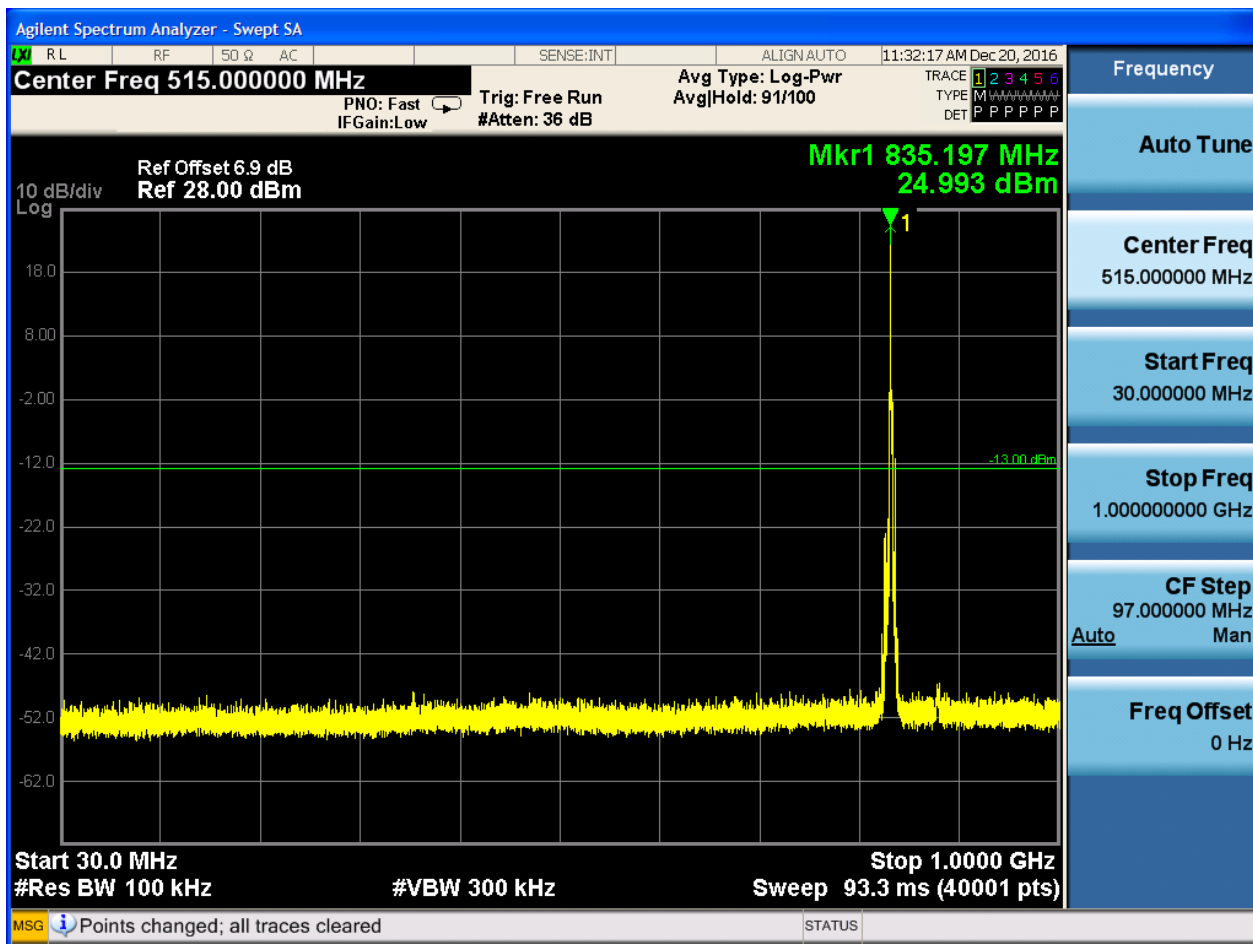


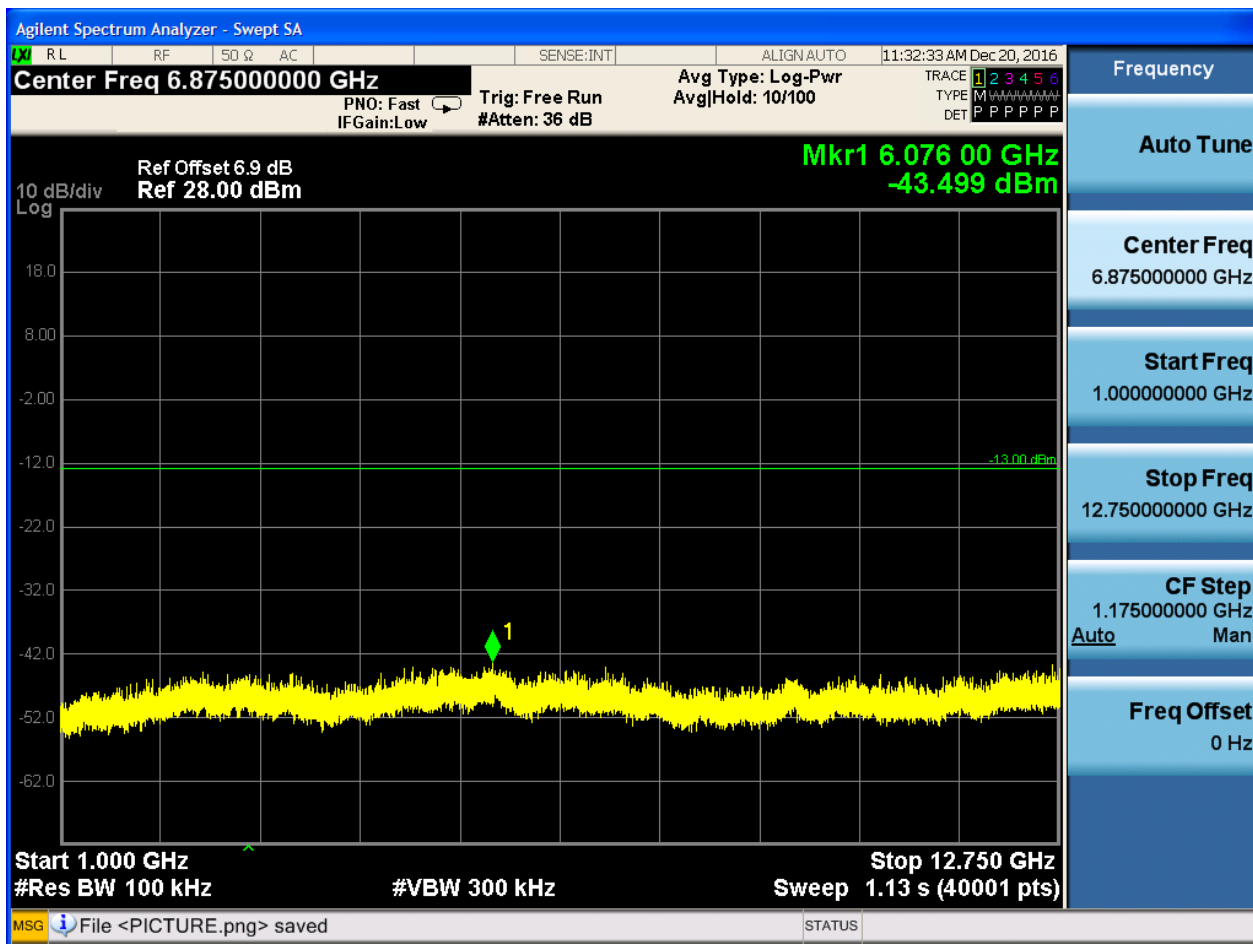


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



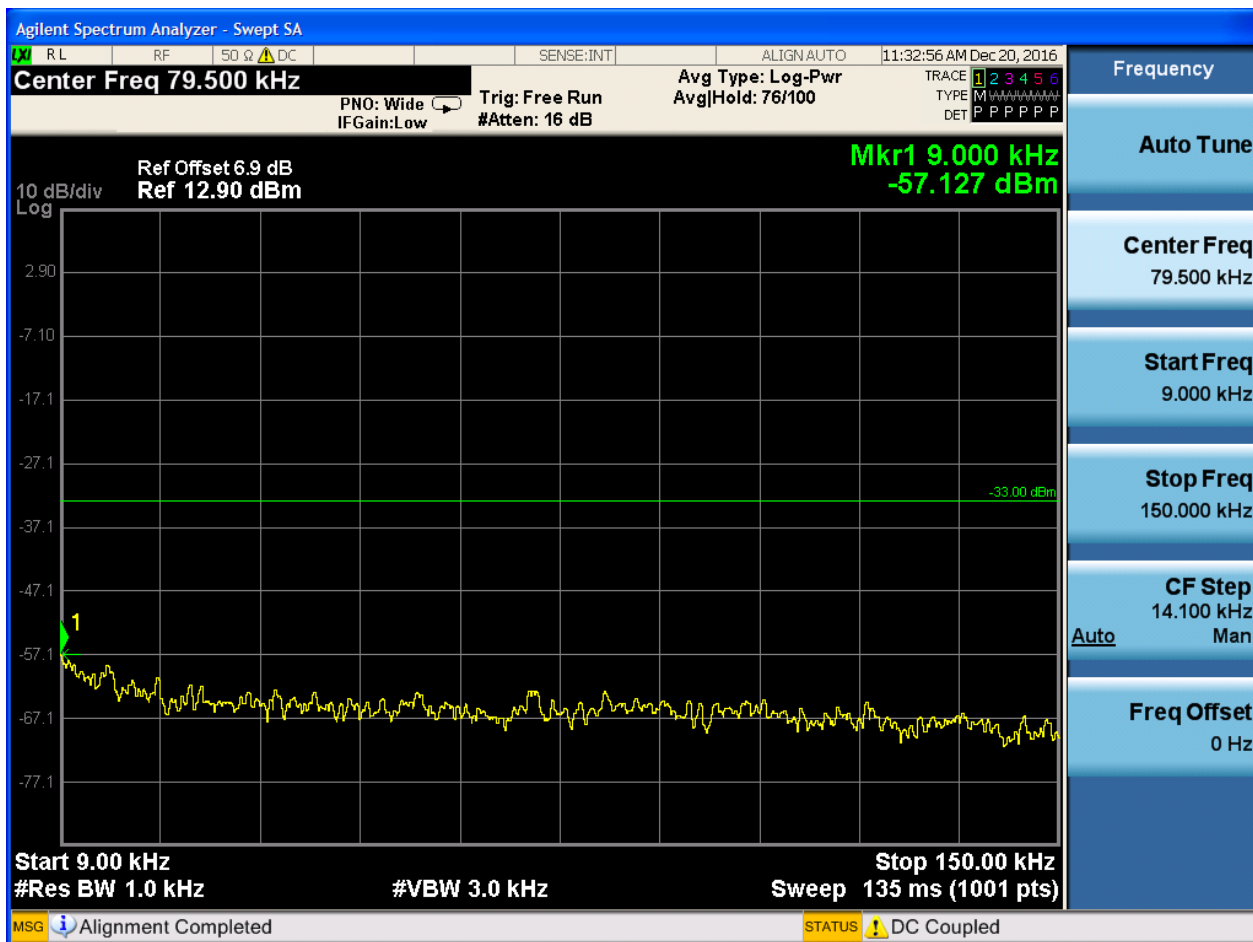


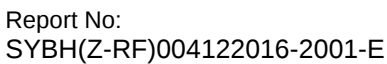
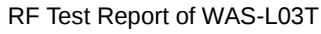


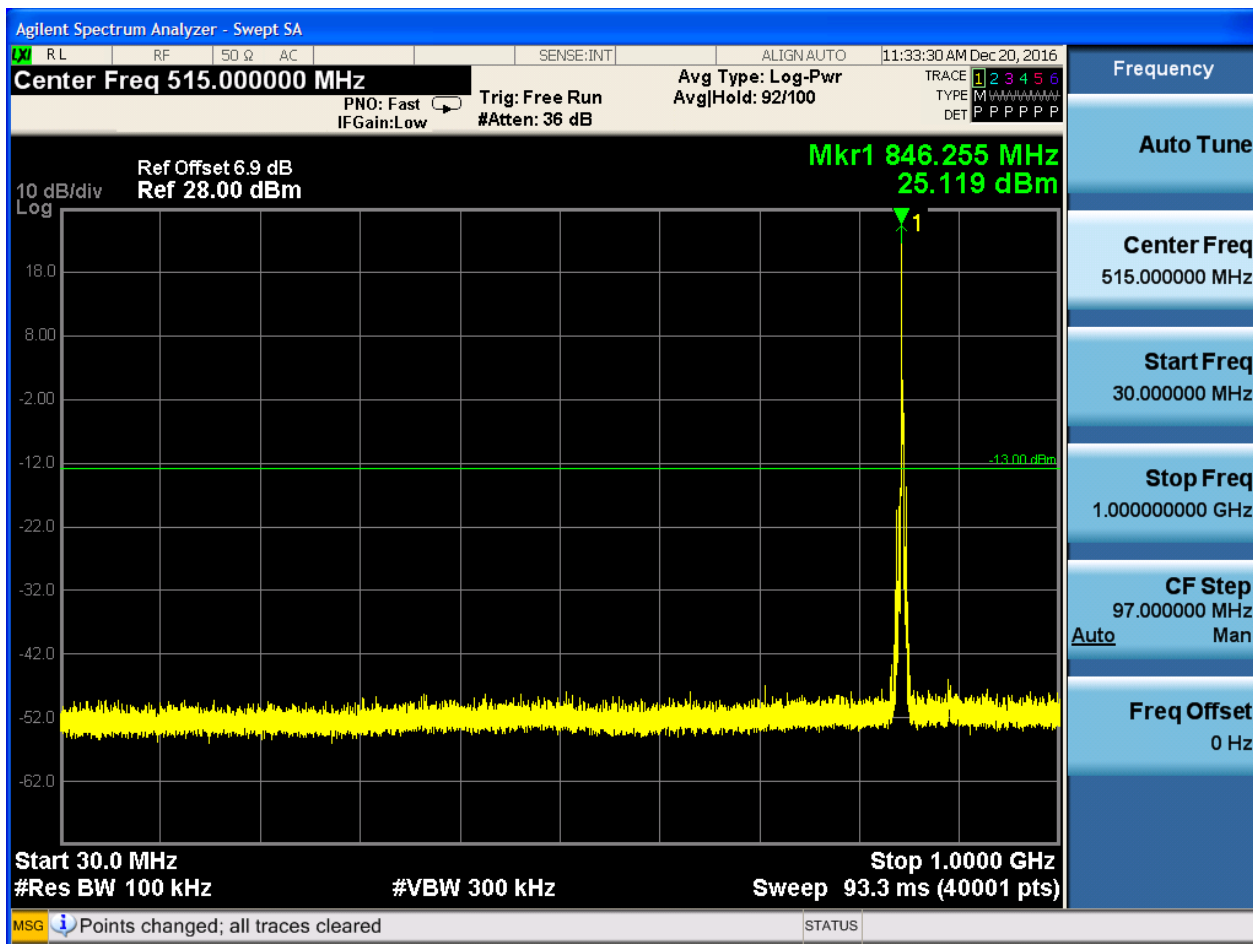


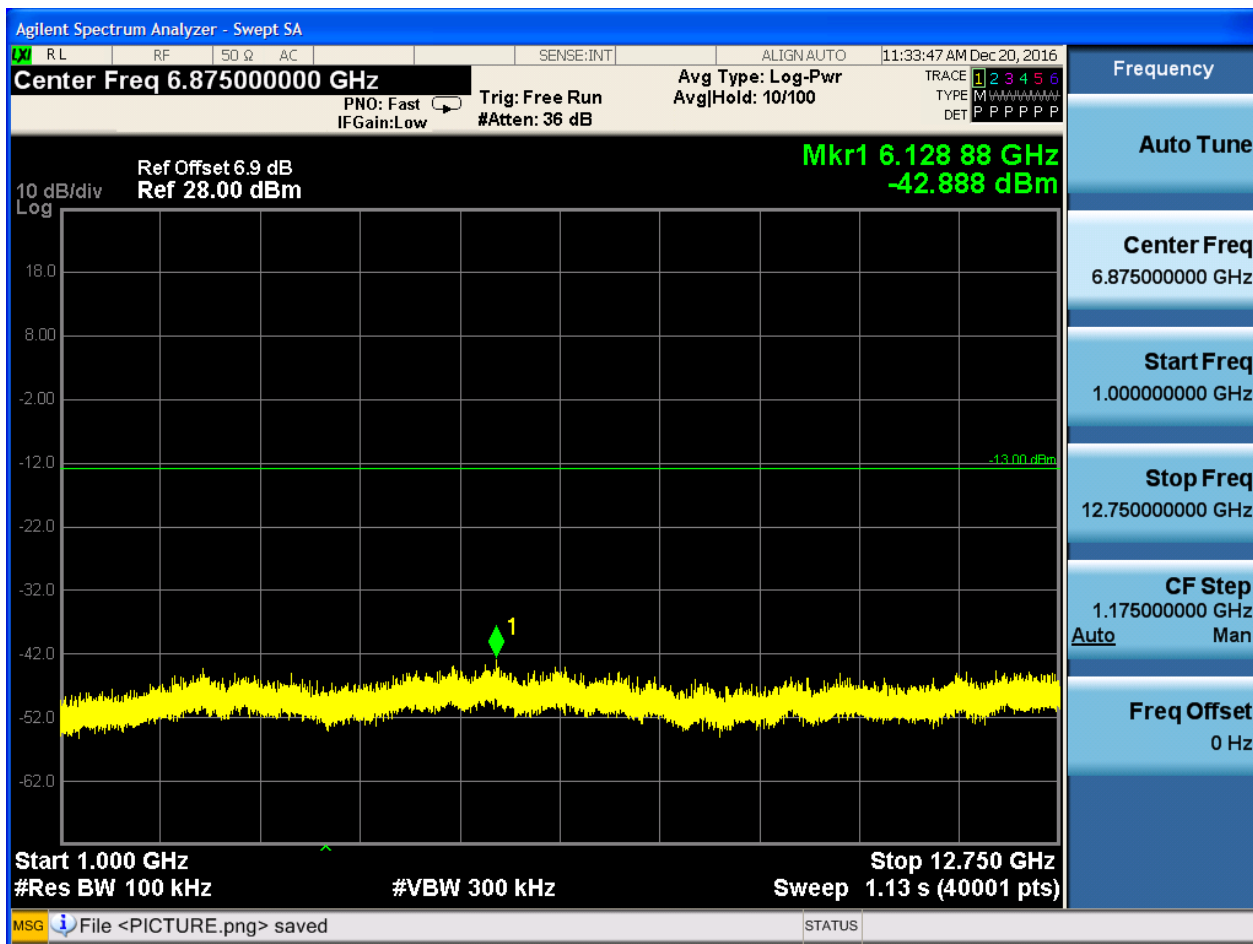
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







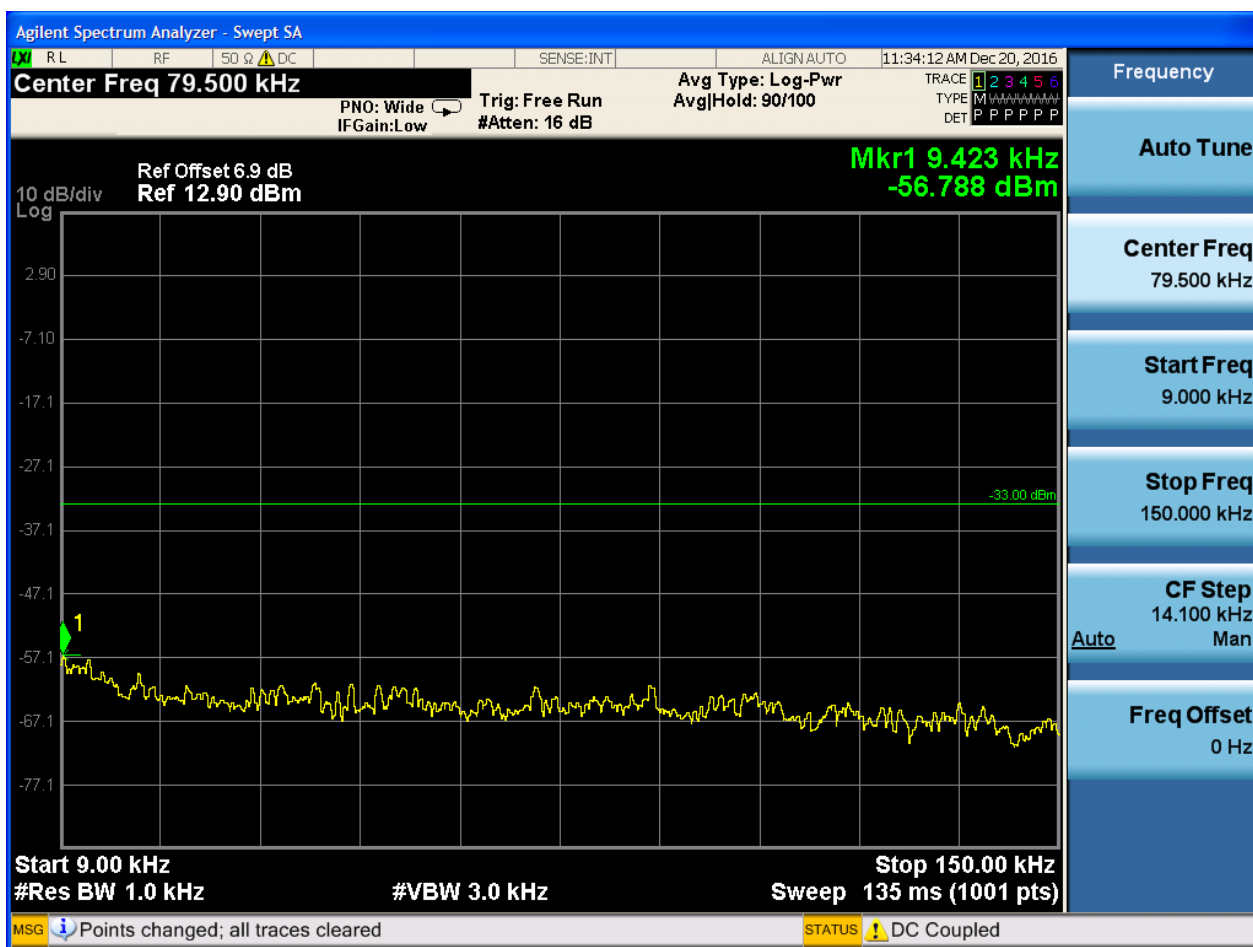


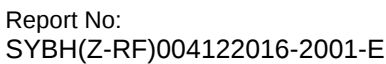
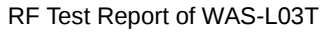


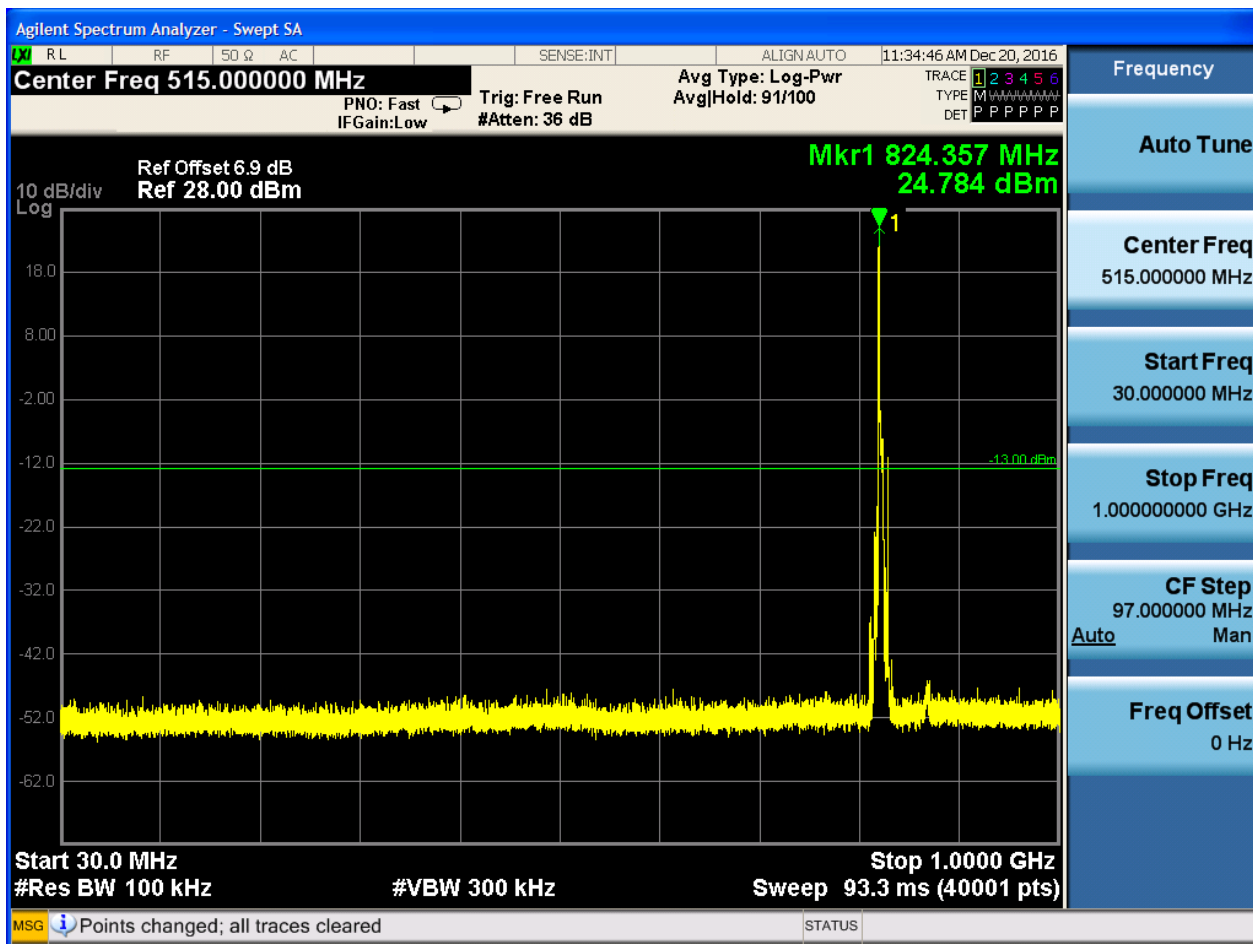
6.1.1.2.3 Test Bandwidth = 5

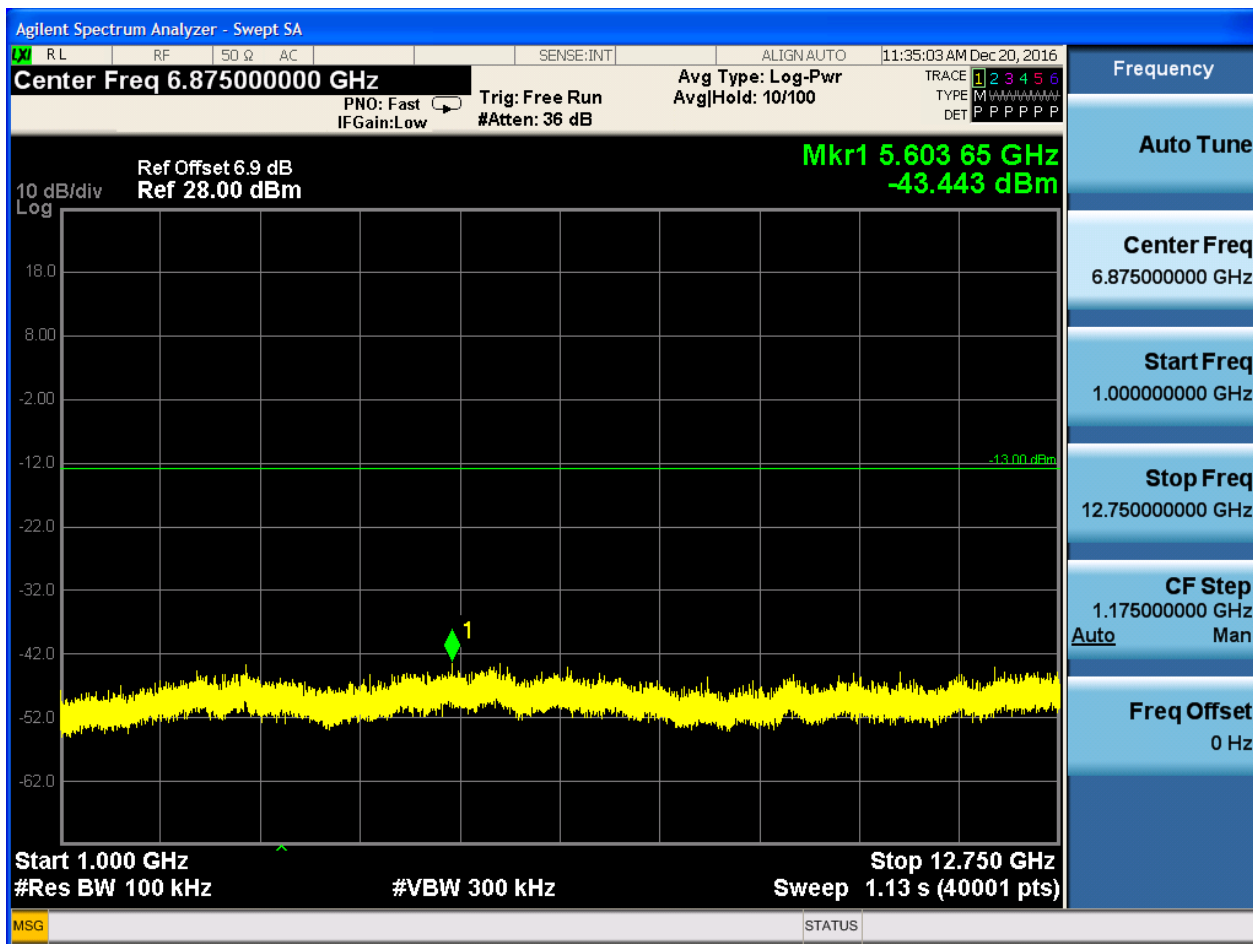
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





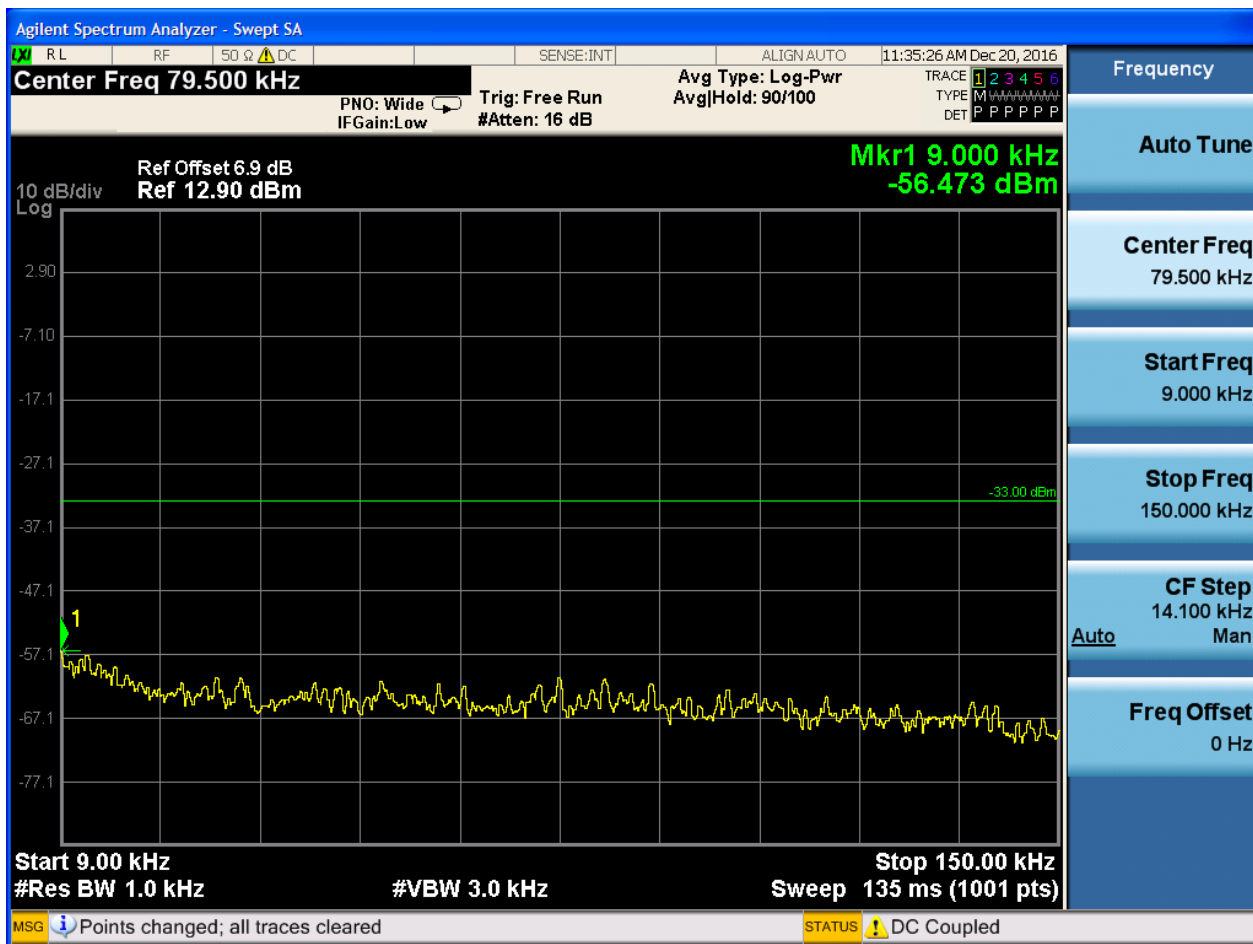


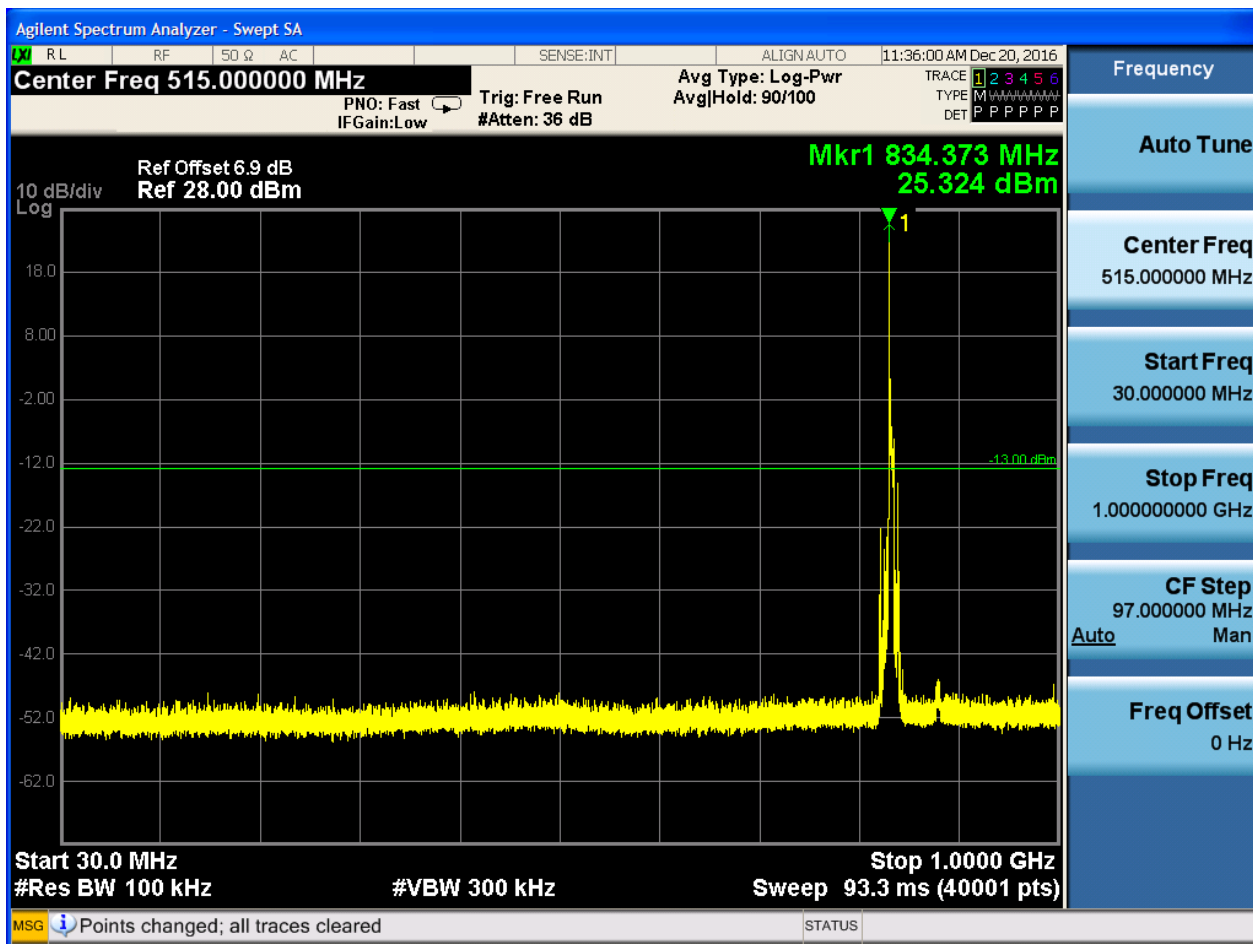


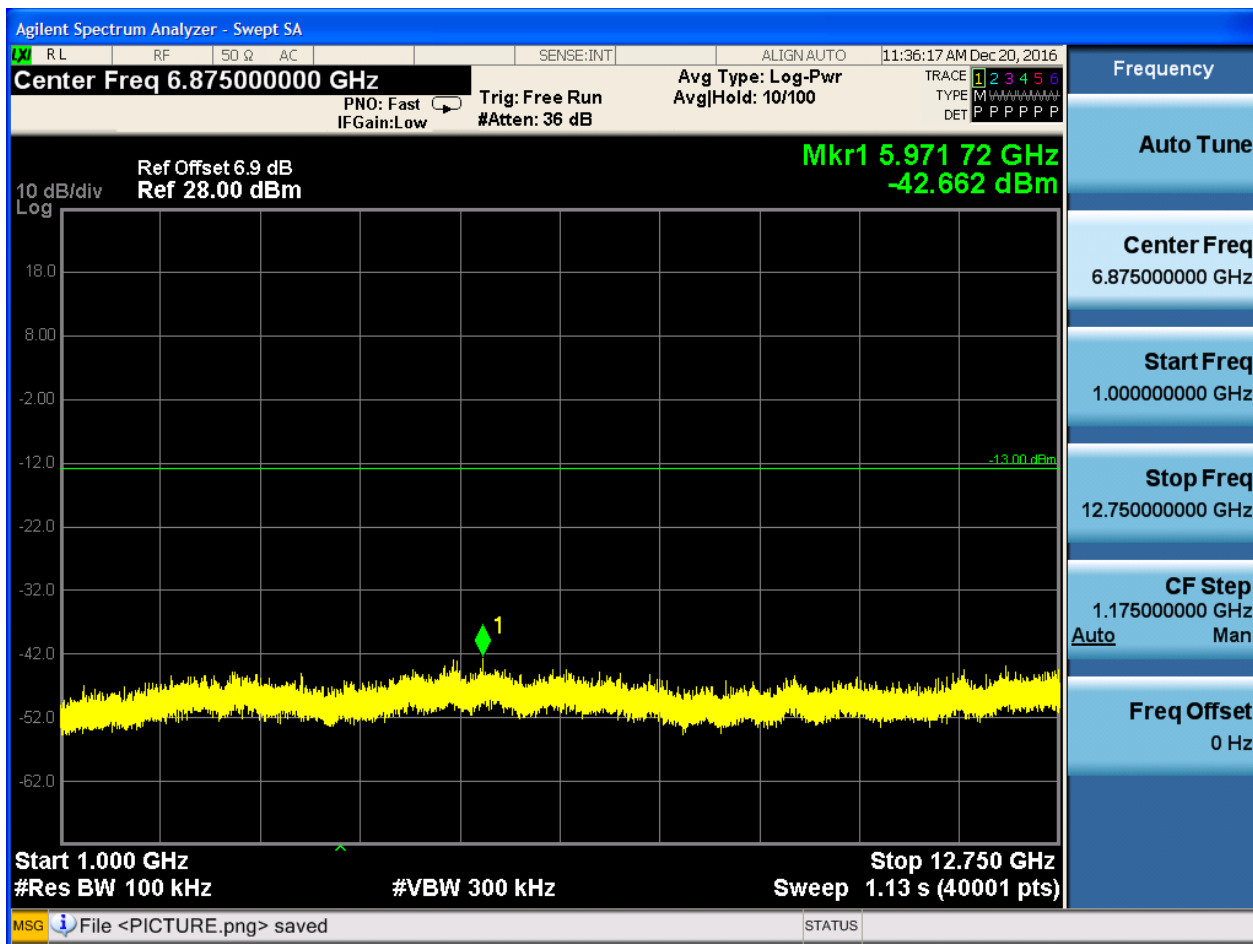


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



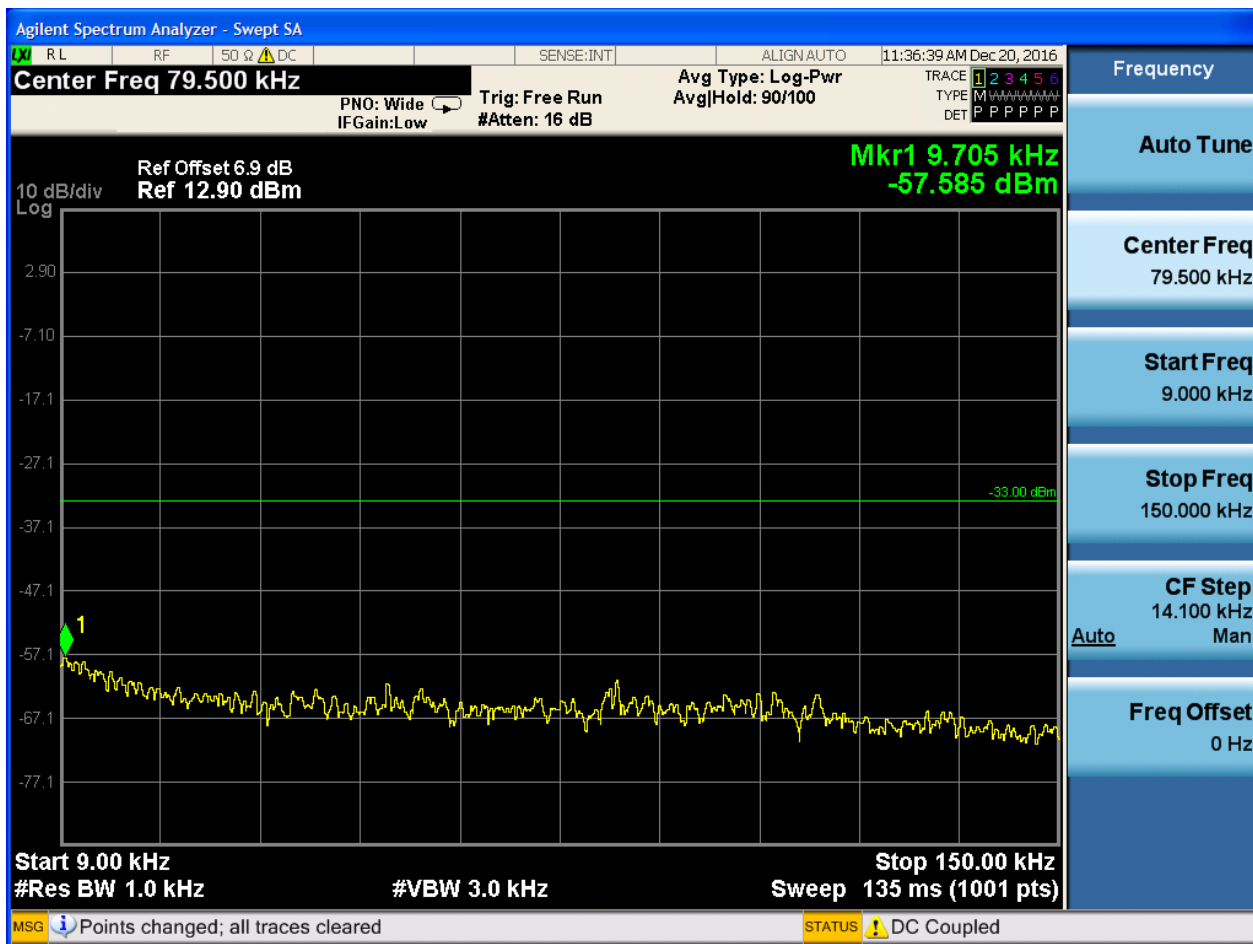


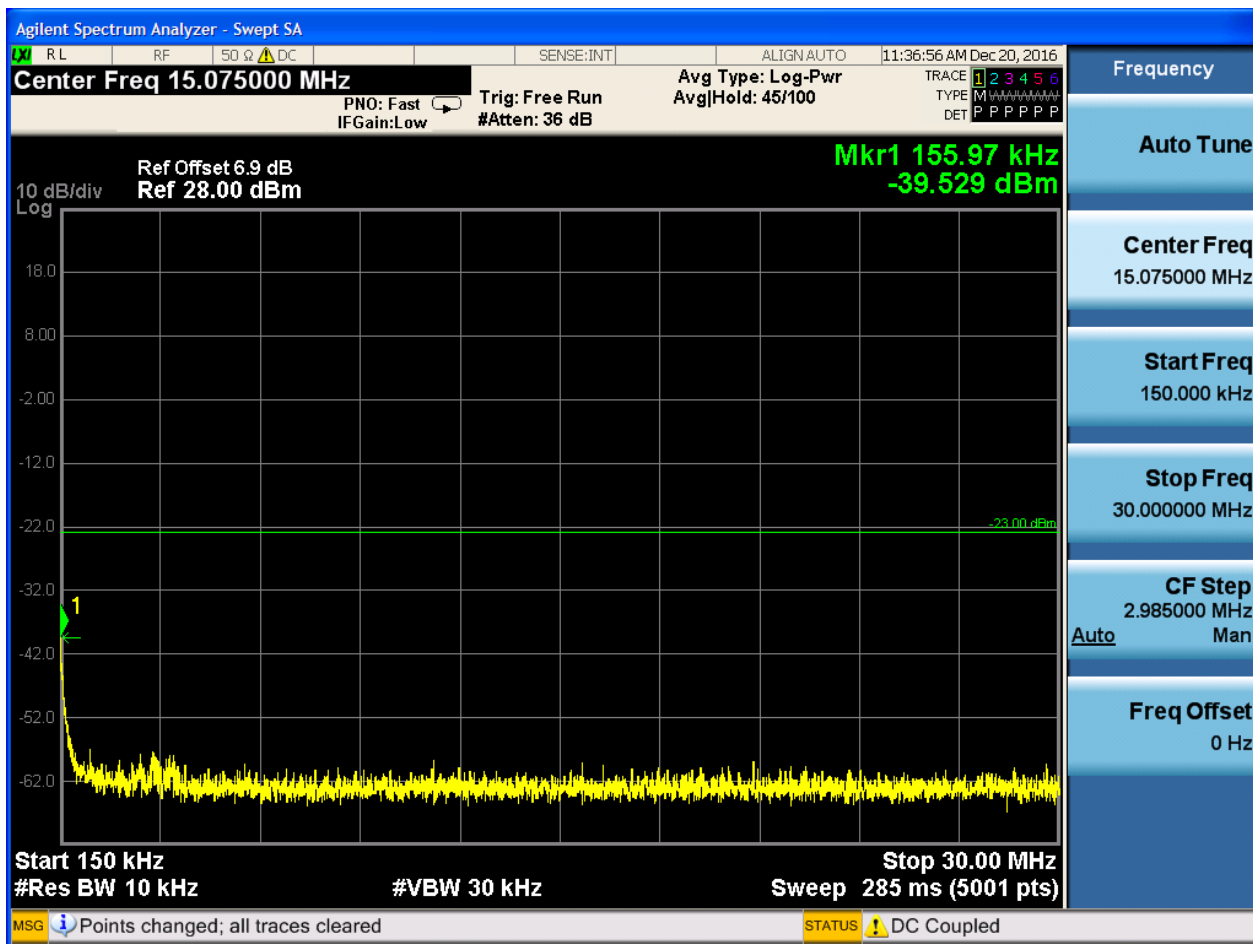


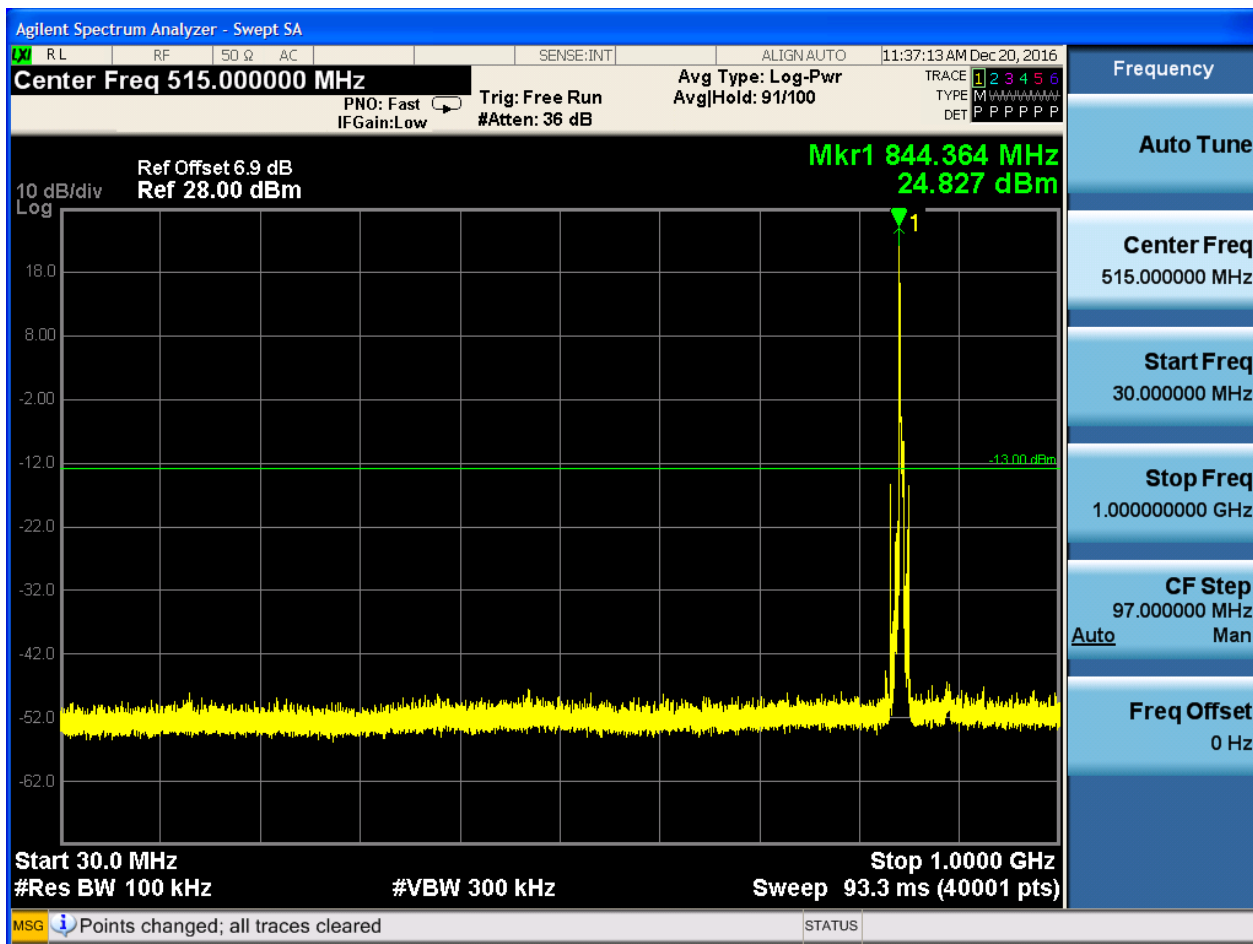


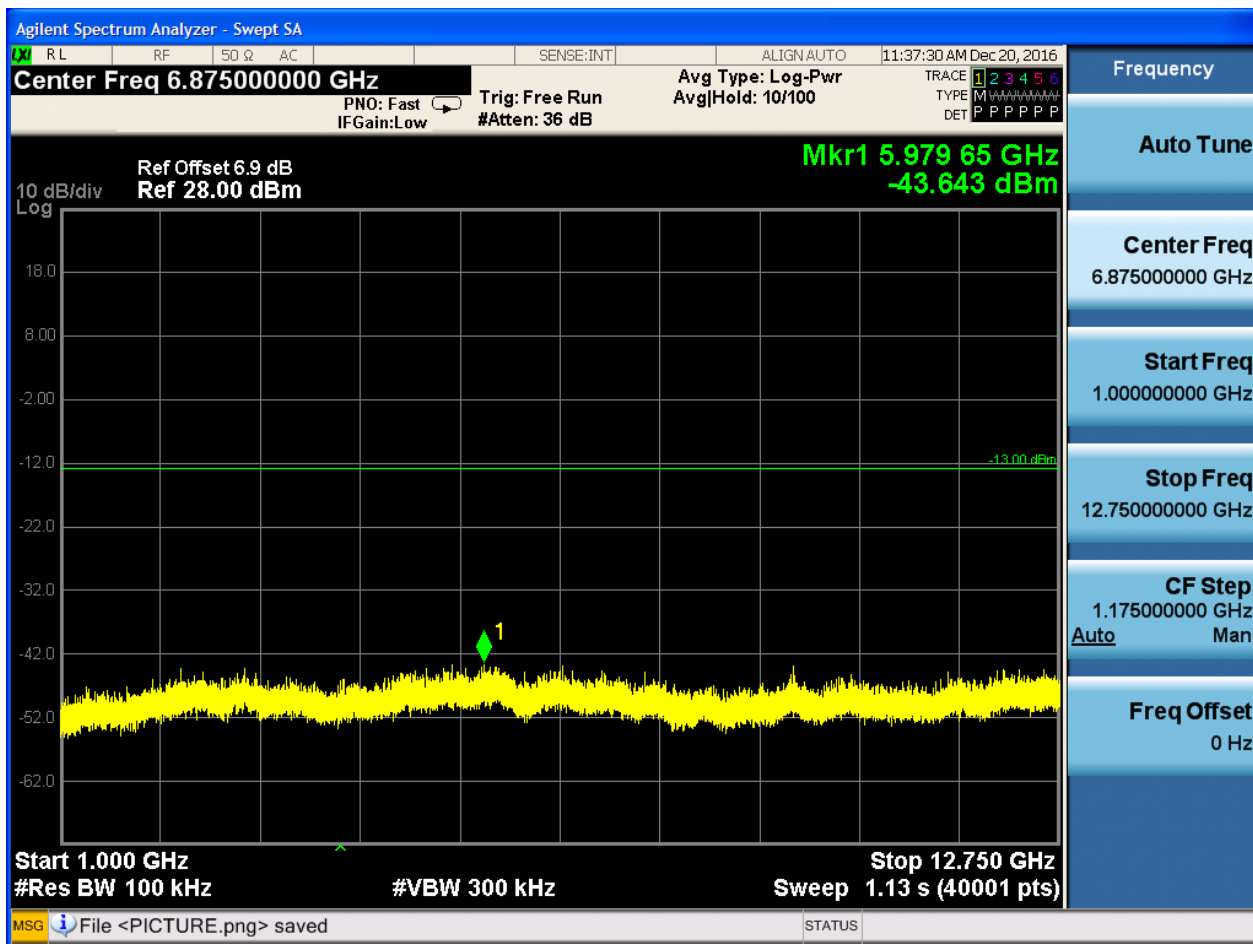
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







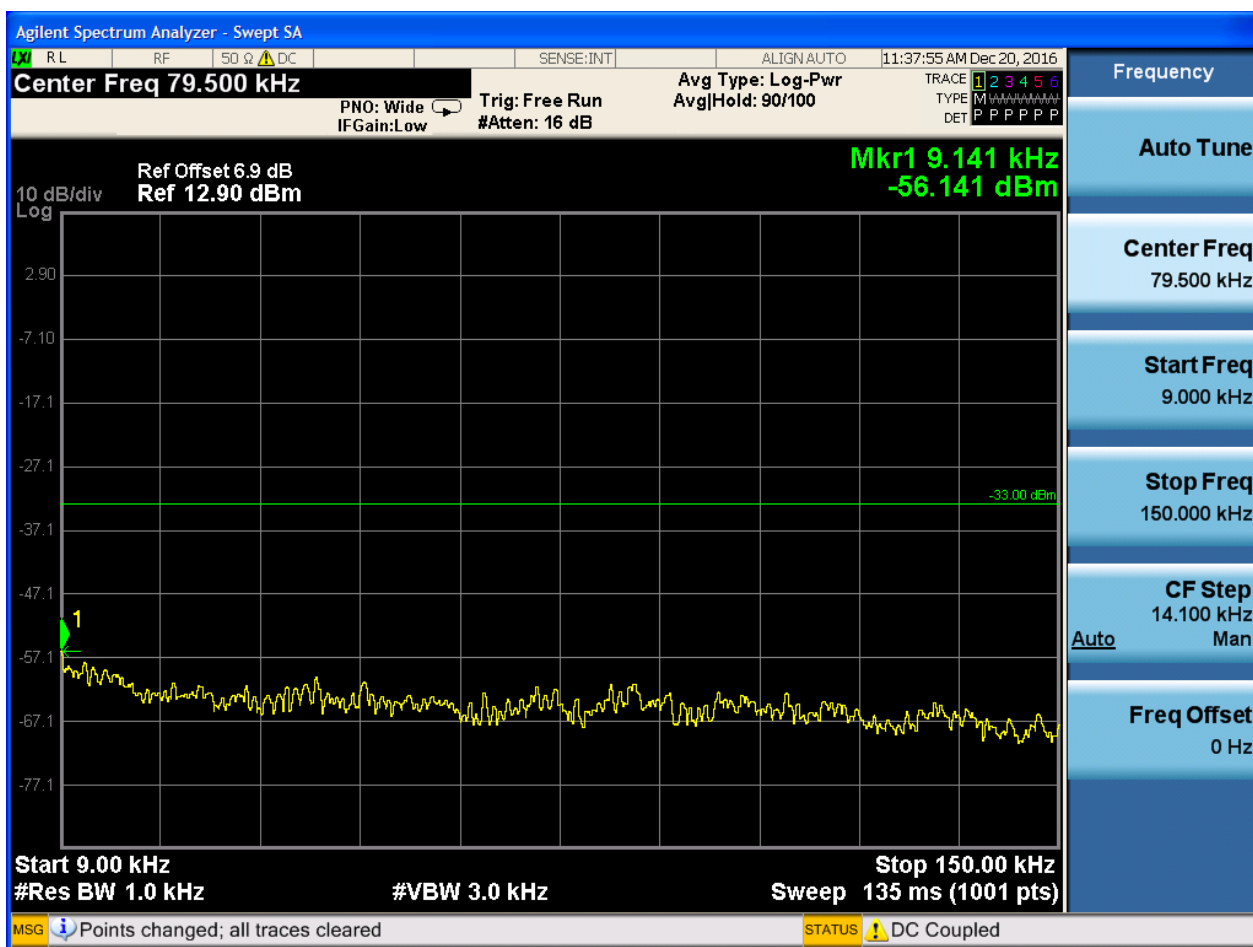


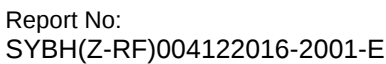
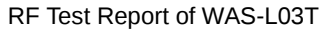


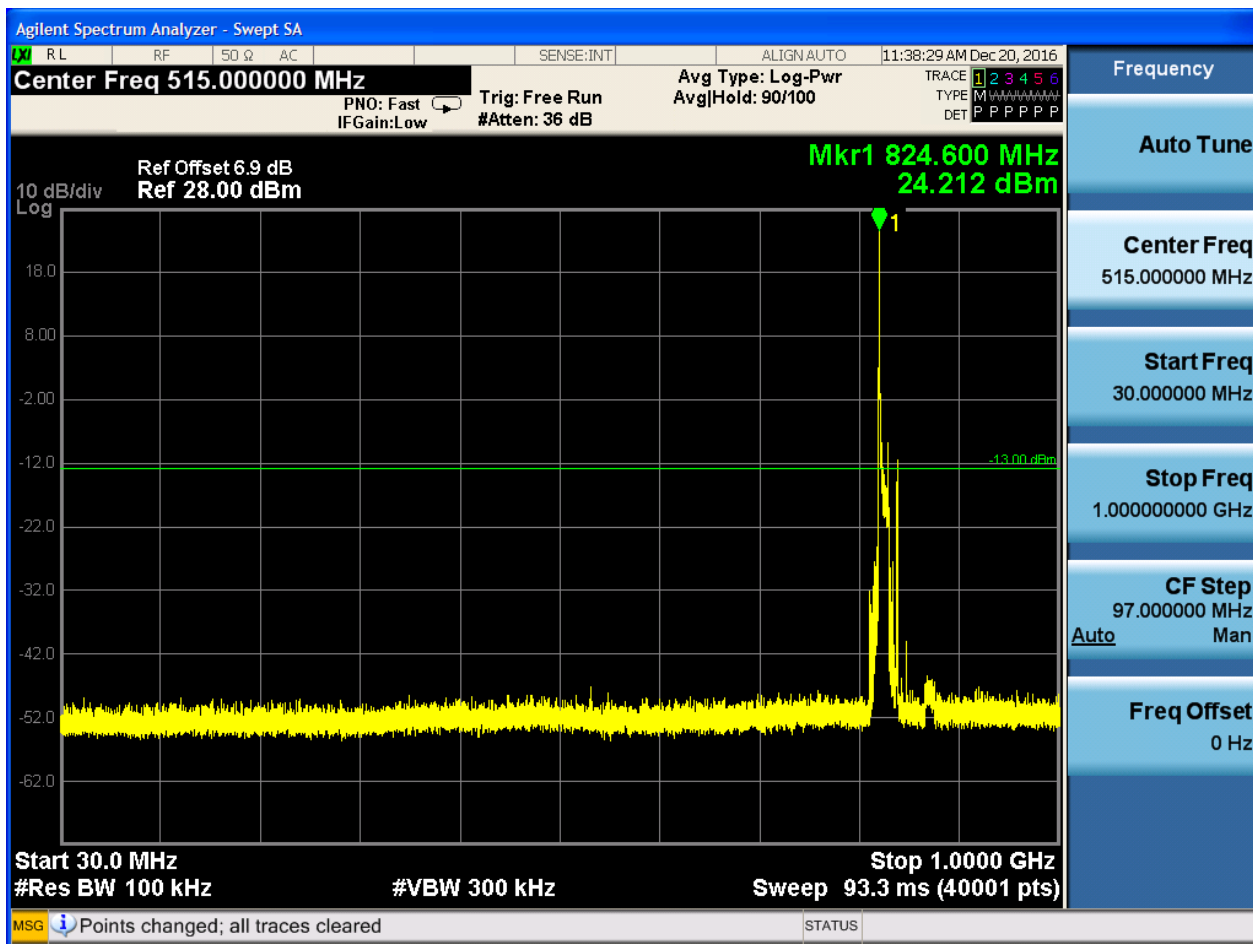
6.1.1.2.4 Test Bandwidth = 10

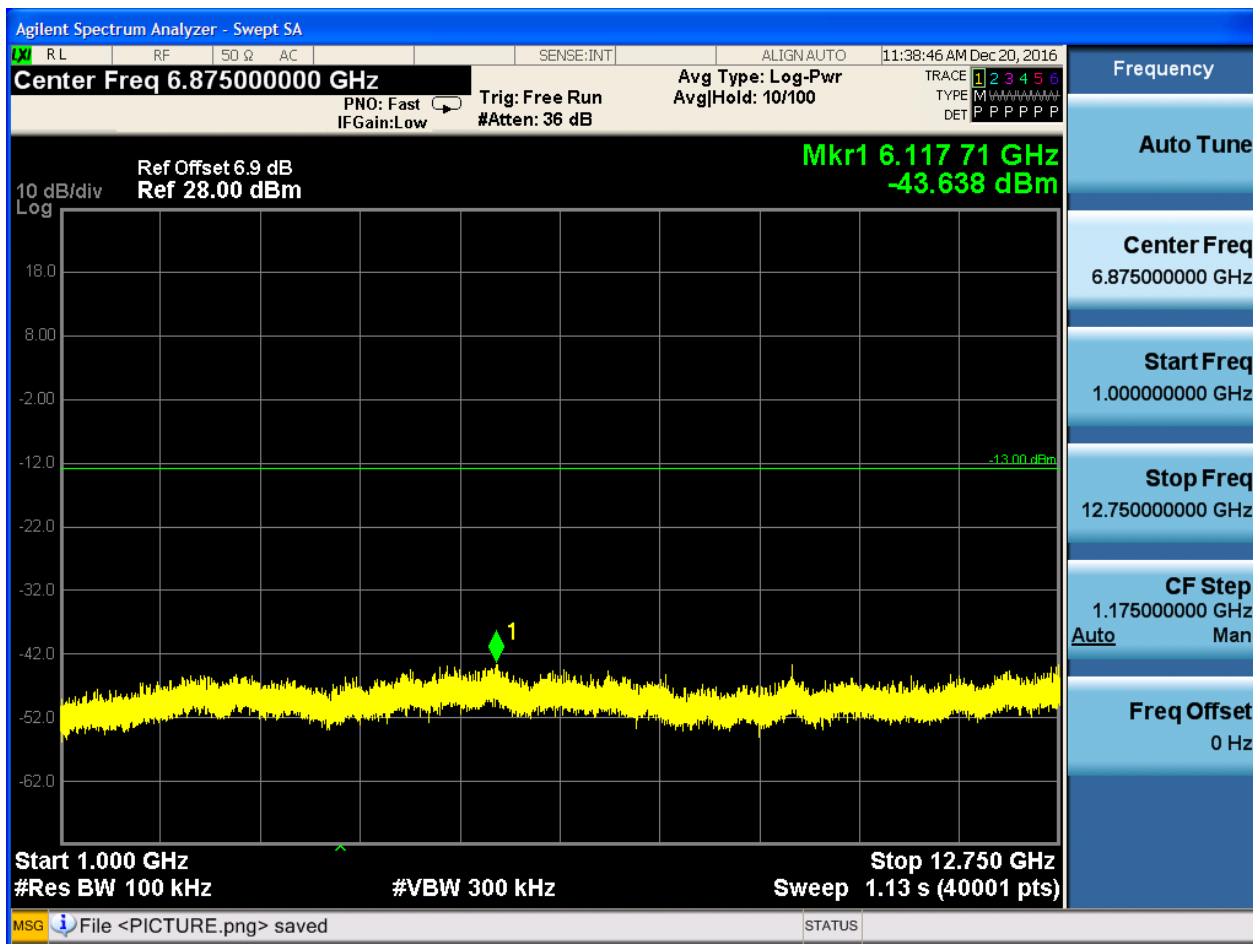
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





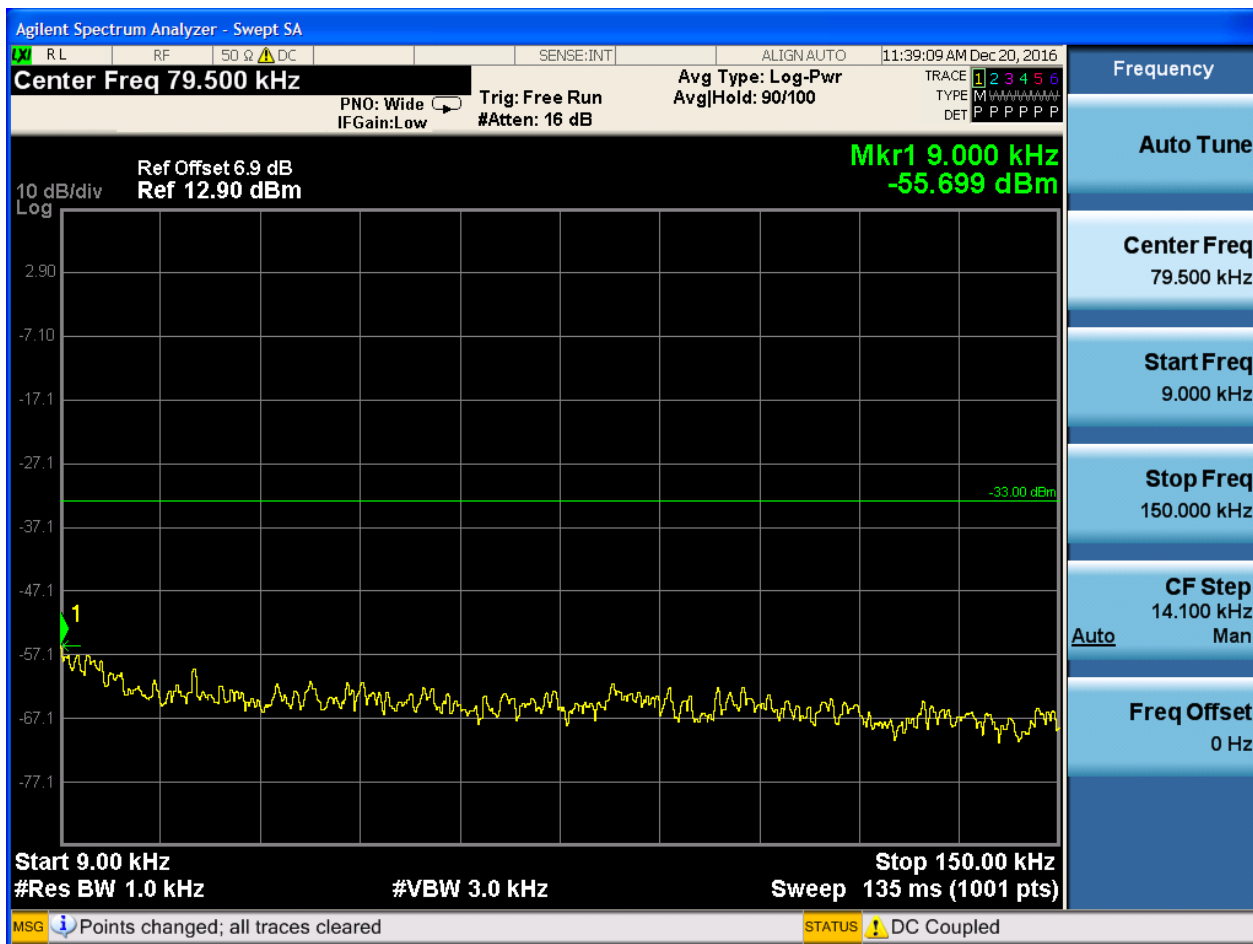


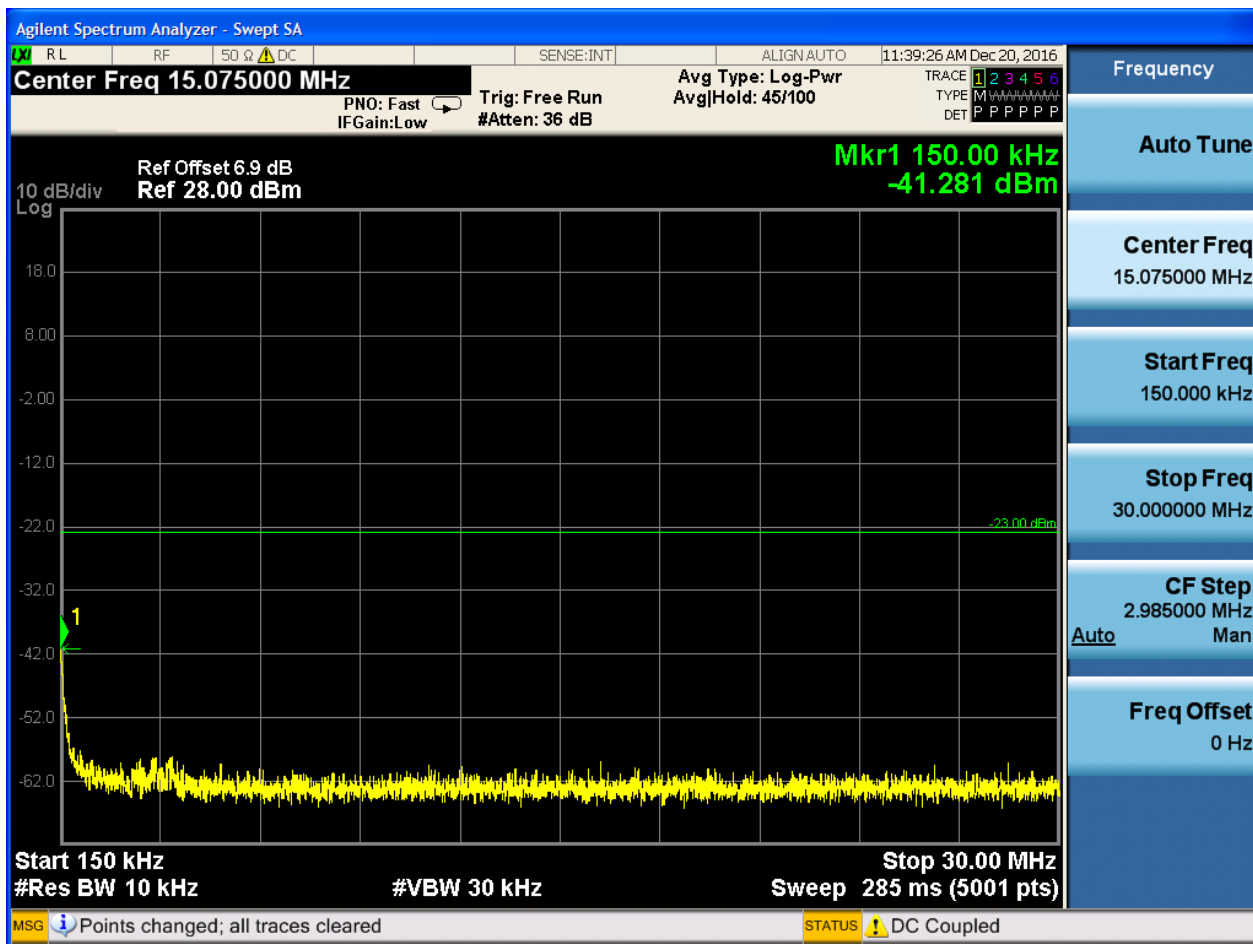


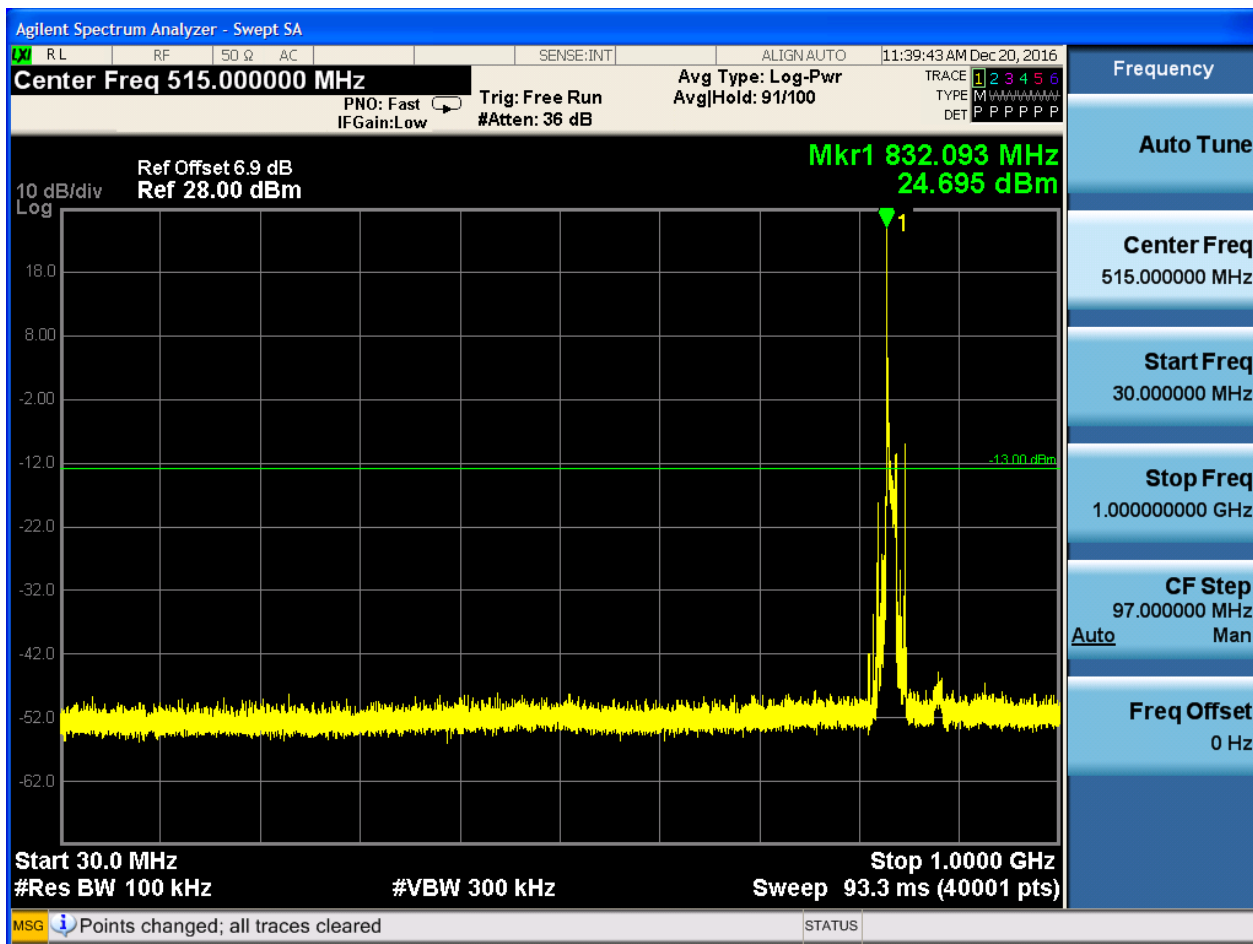


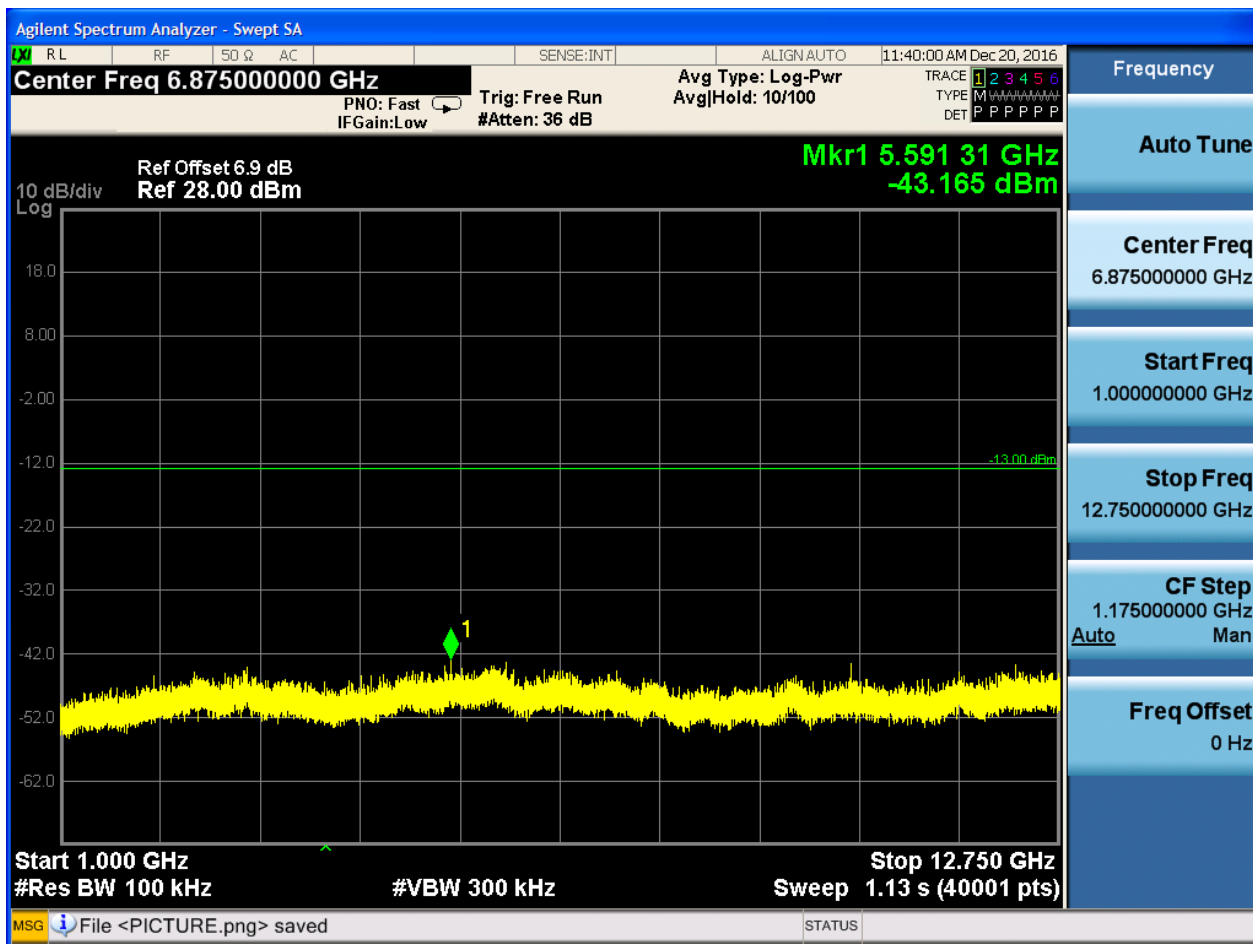
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





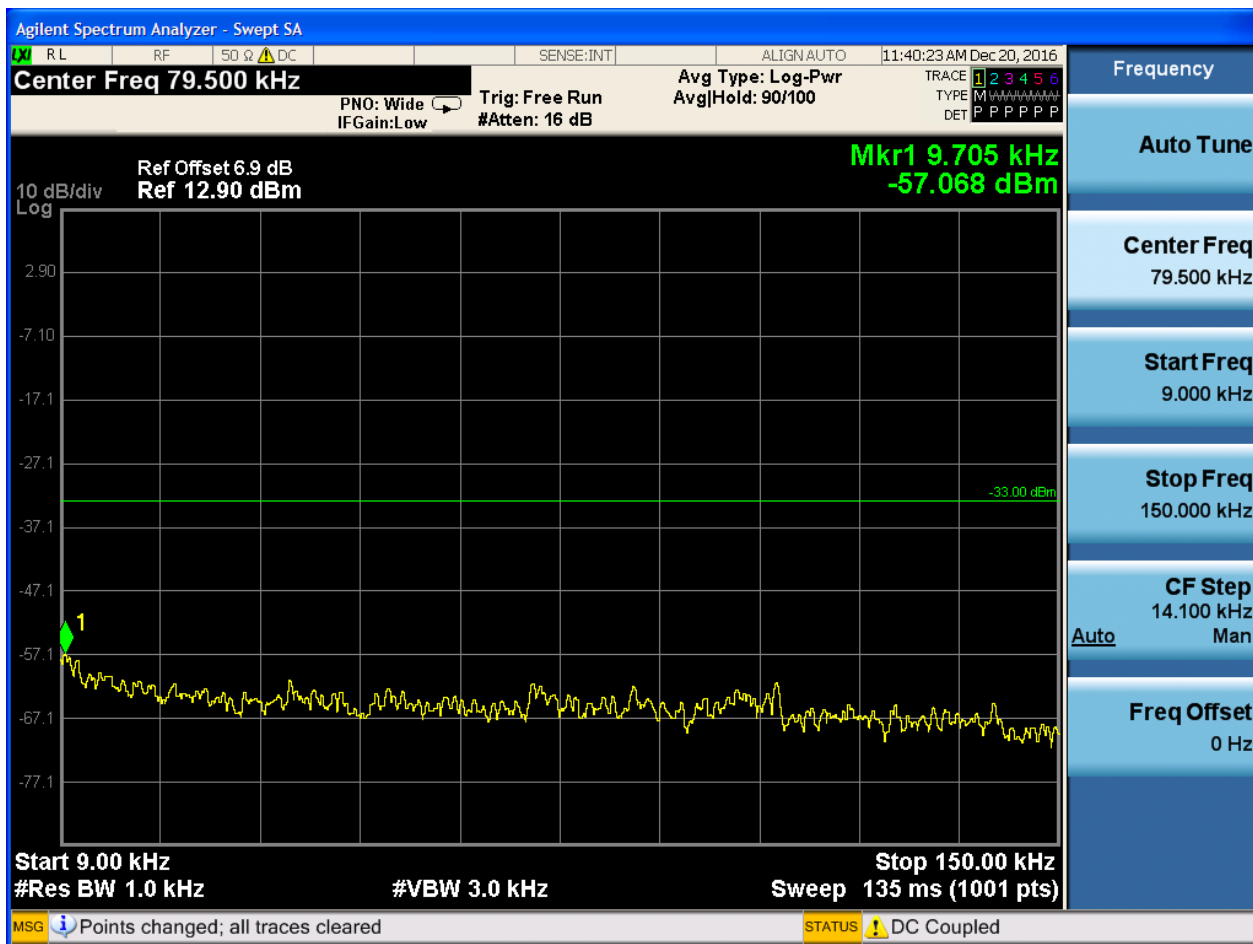


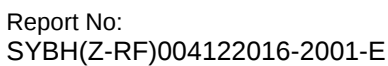
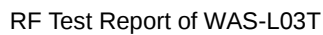


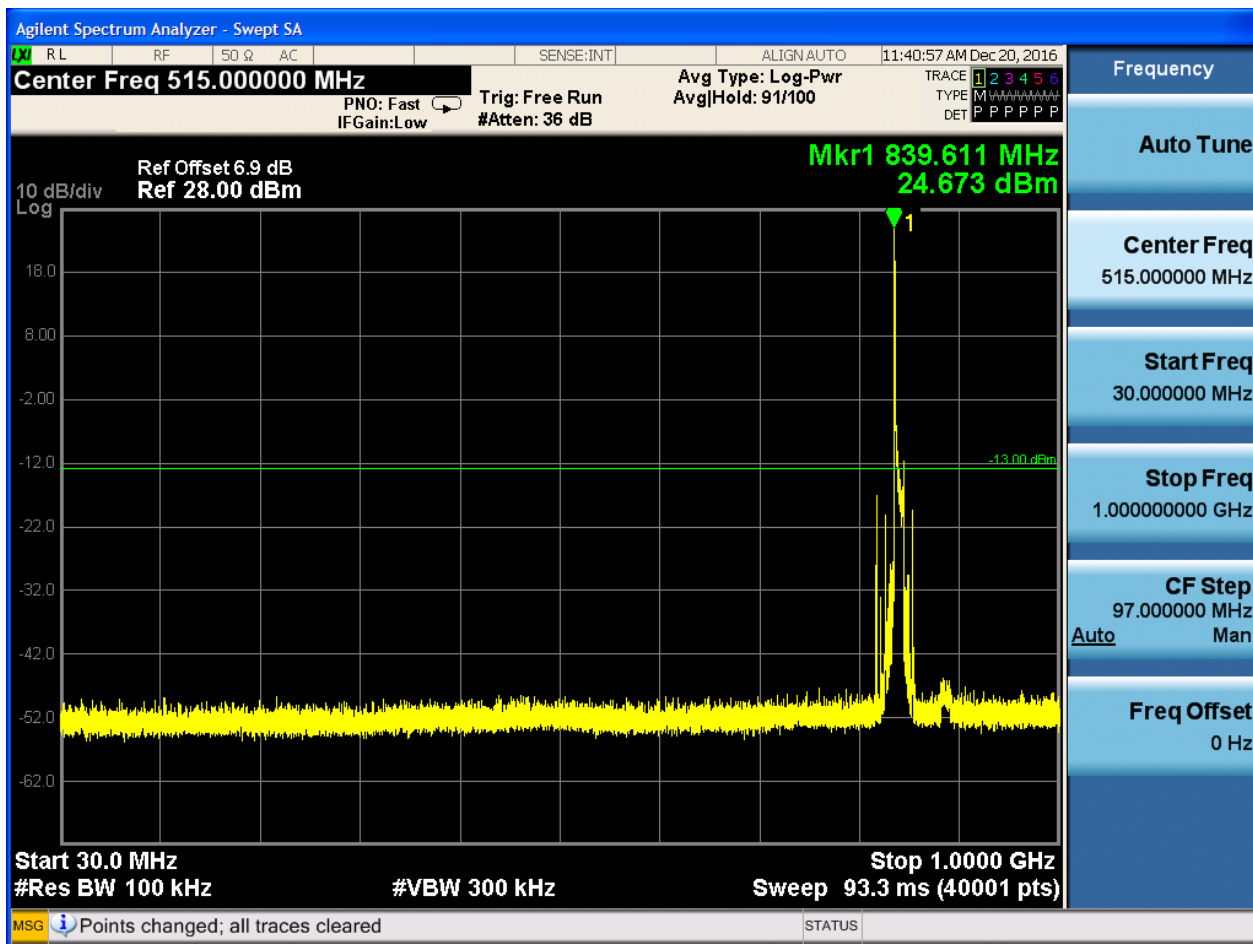


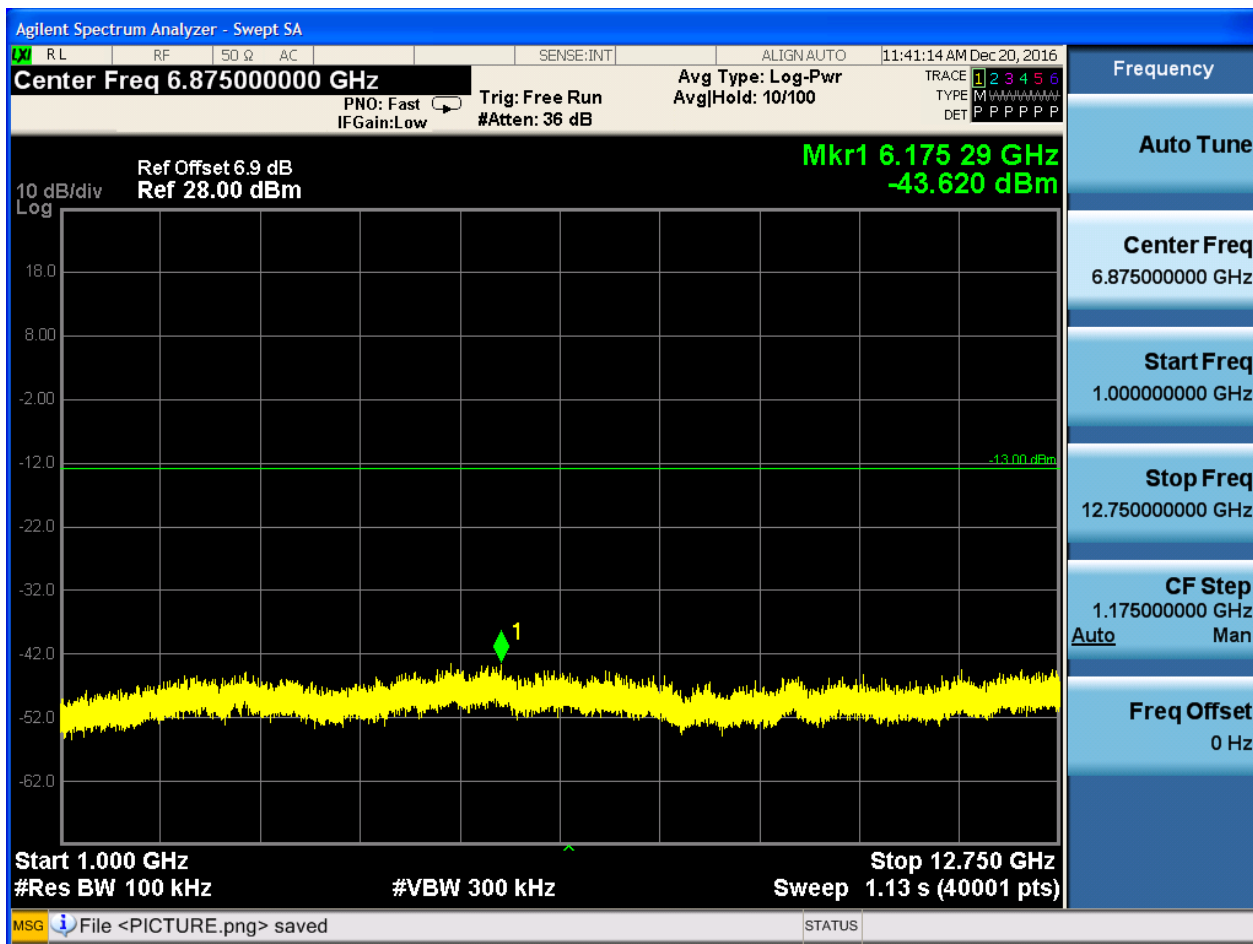
6.1.1.2.4.3 Test Channel = HCH

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, 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

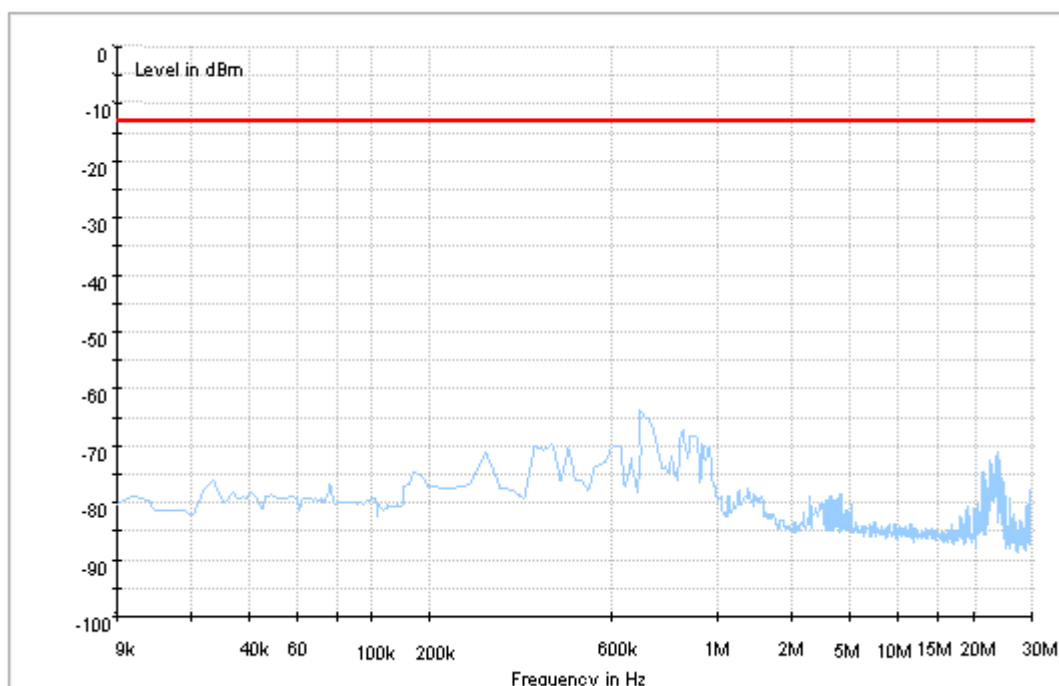
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

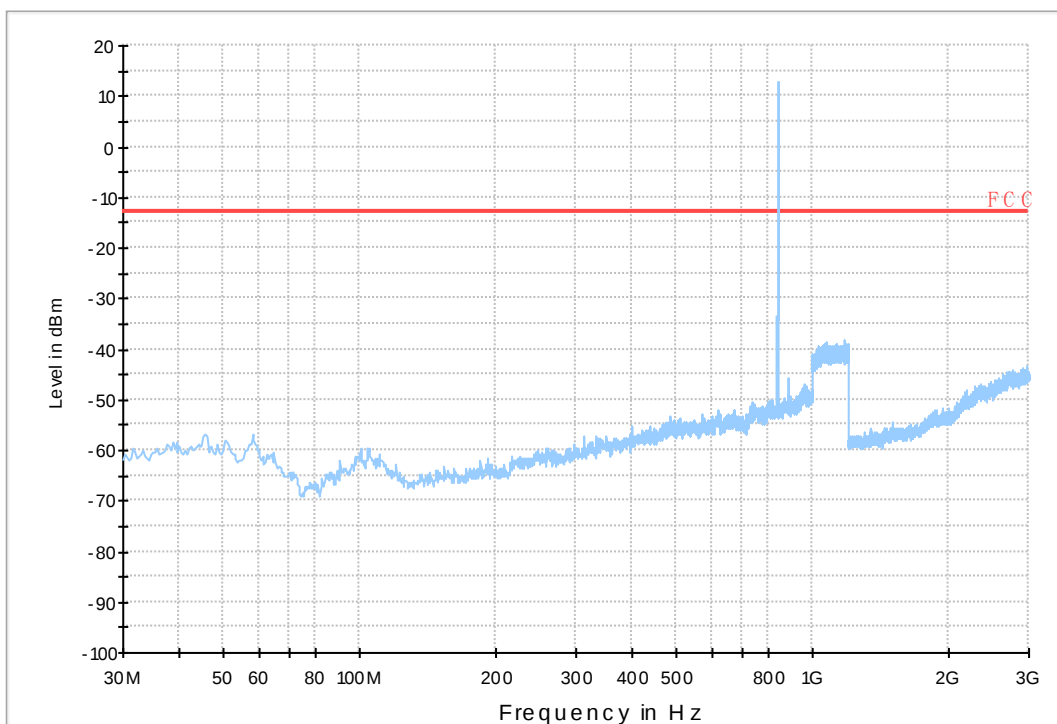
7.1 For LTE

7.1.1 Test Band = BAND5_Ant1

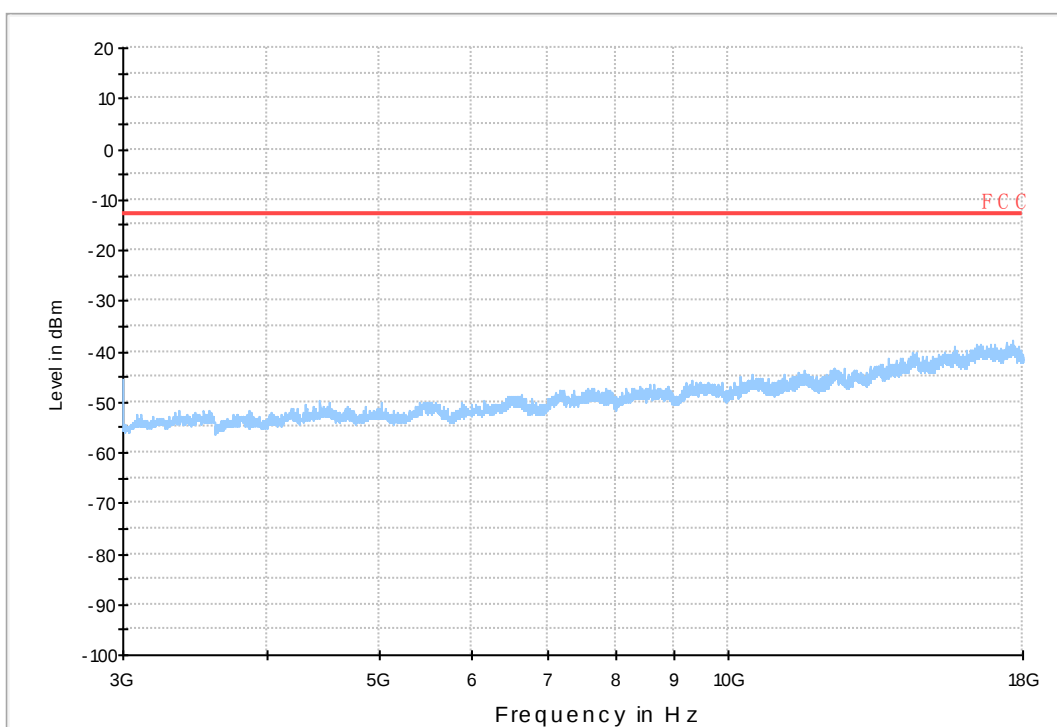
7.1.1.1 Test Bandwidth = 1.4



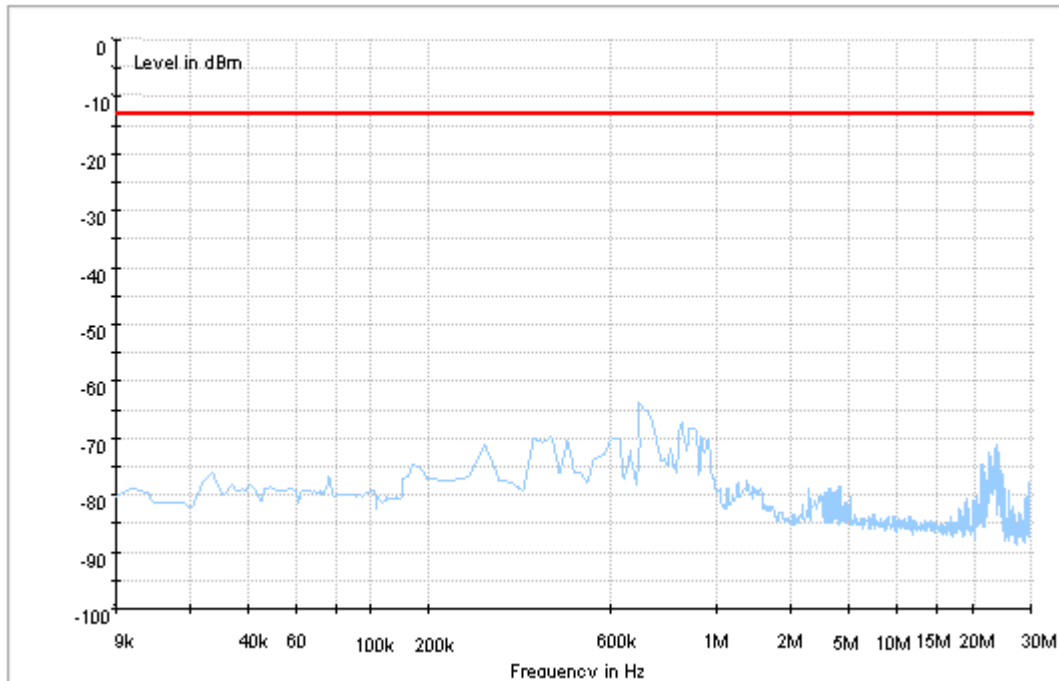
Copy of RSE-TX-DIRECTOR BELOW 1G_L



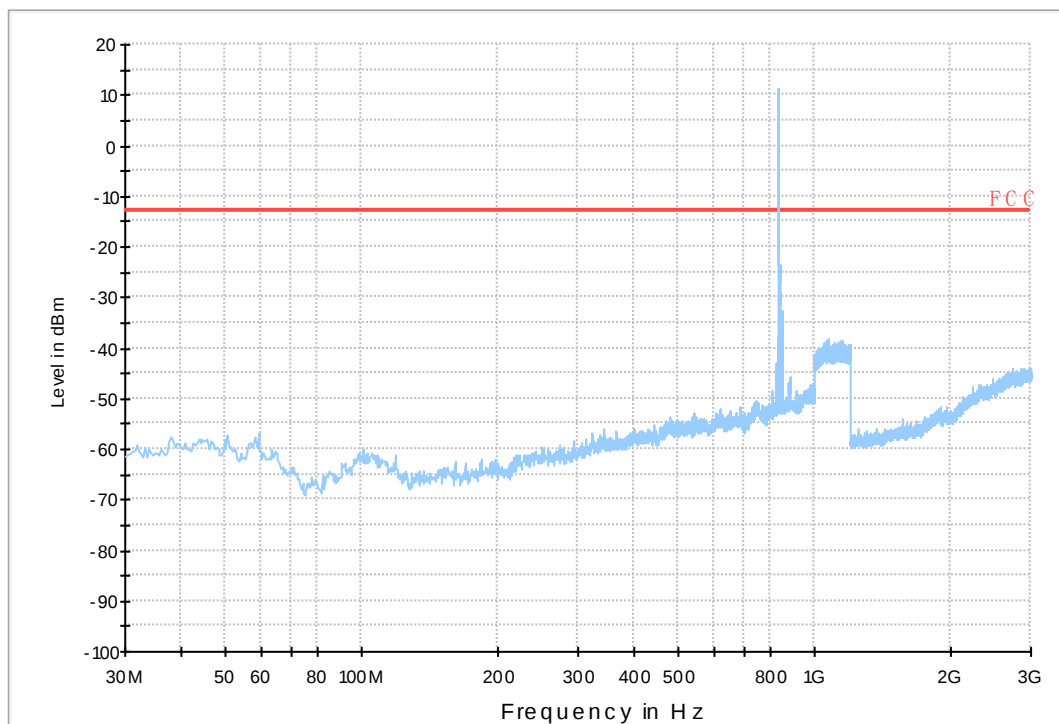
Copy of RSE-TX-DIRECTOR BELOW 1G_H



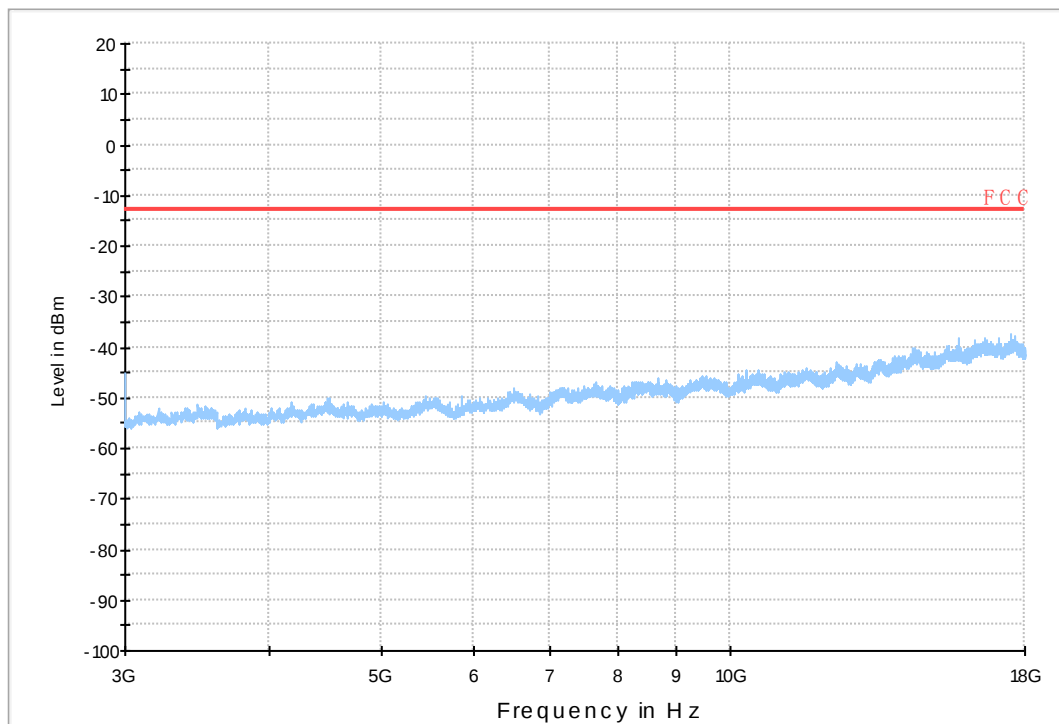
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

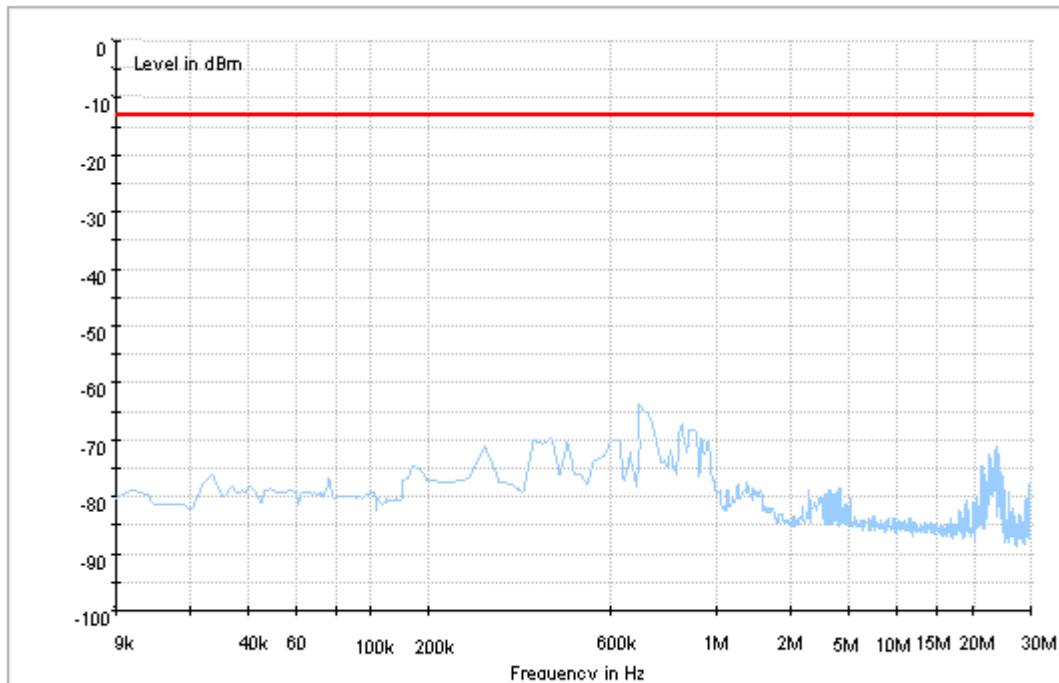


Copy of RSE-TX-DIRECTOR BELOW 1G_H

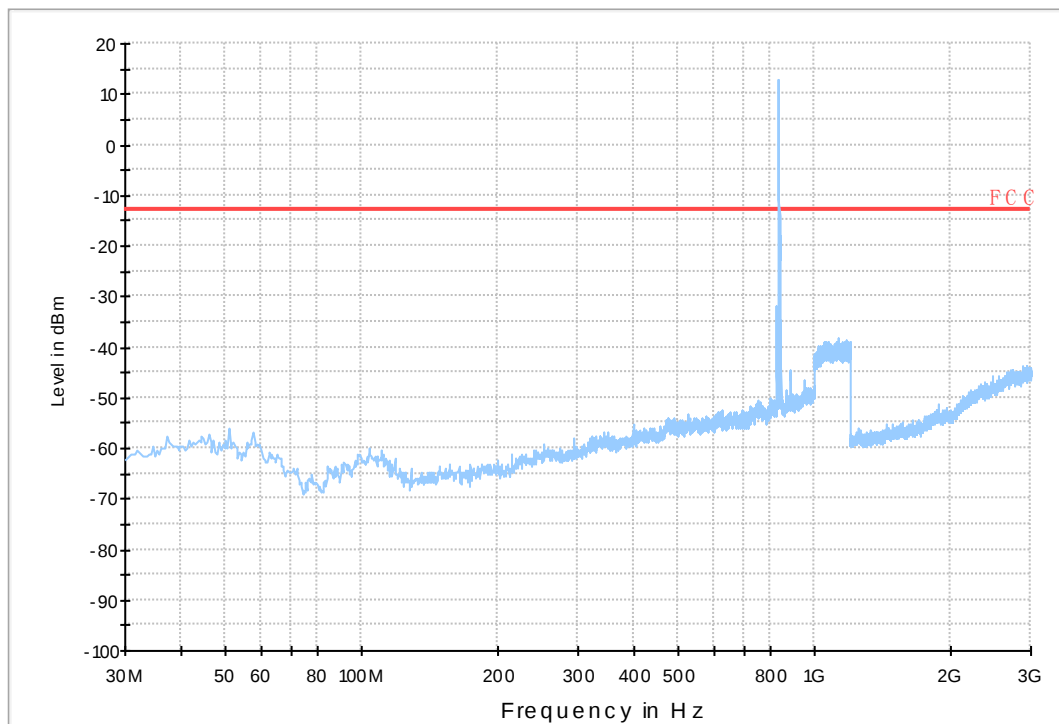


7.1.2 Test Band = BAND5__Ant2

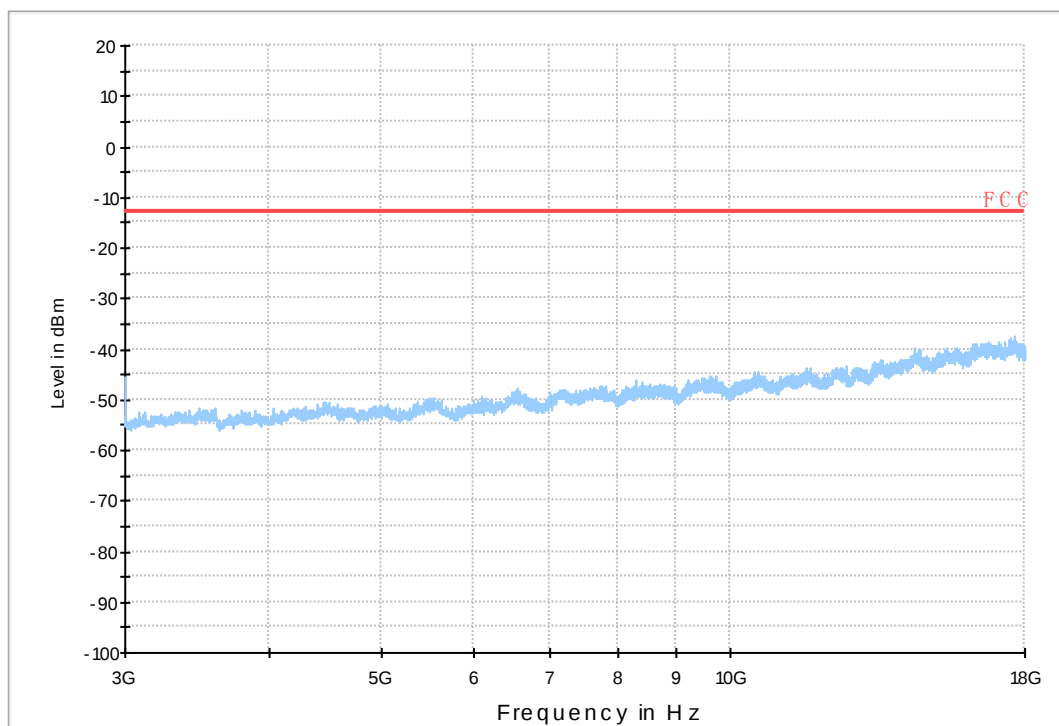
7.1.2.1 Test Bandwidth = 1.4



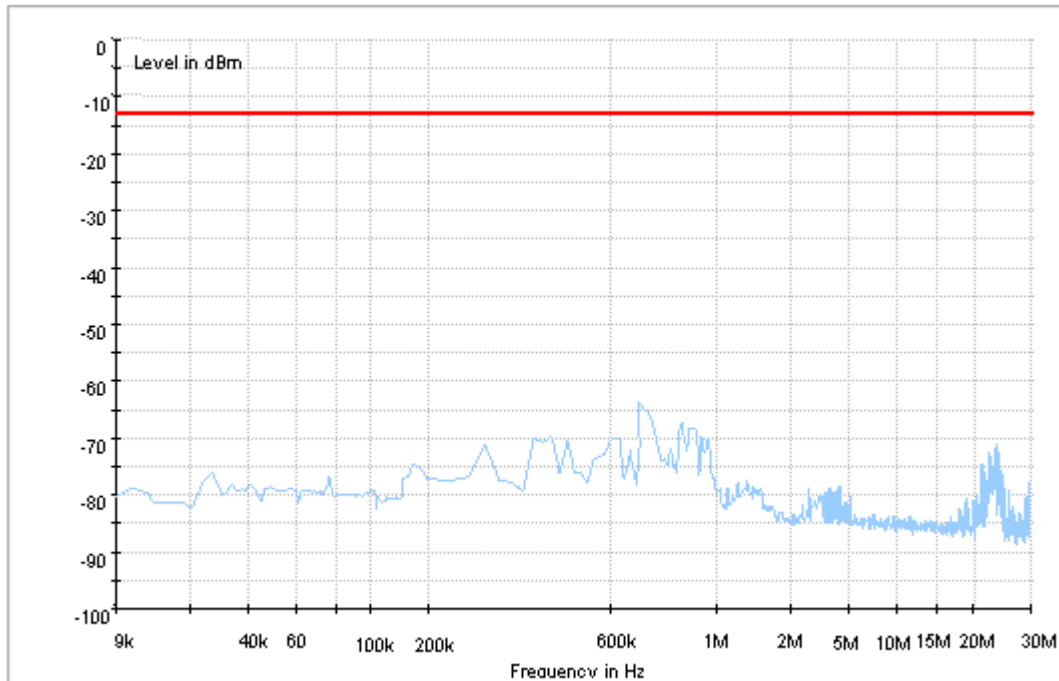
Copy of RSE-TX-DIRECTOR BELOW 1G_L



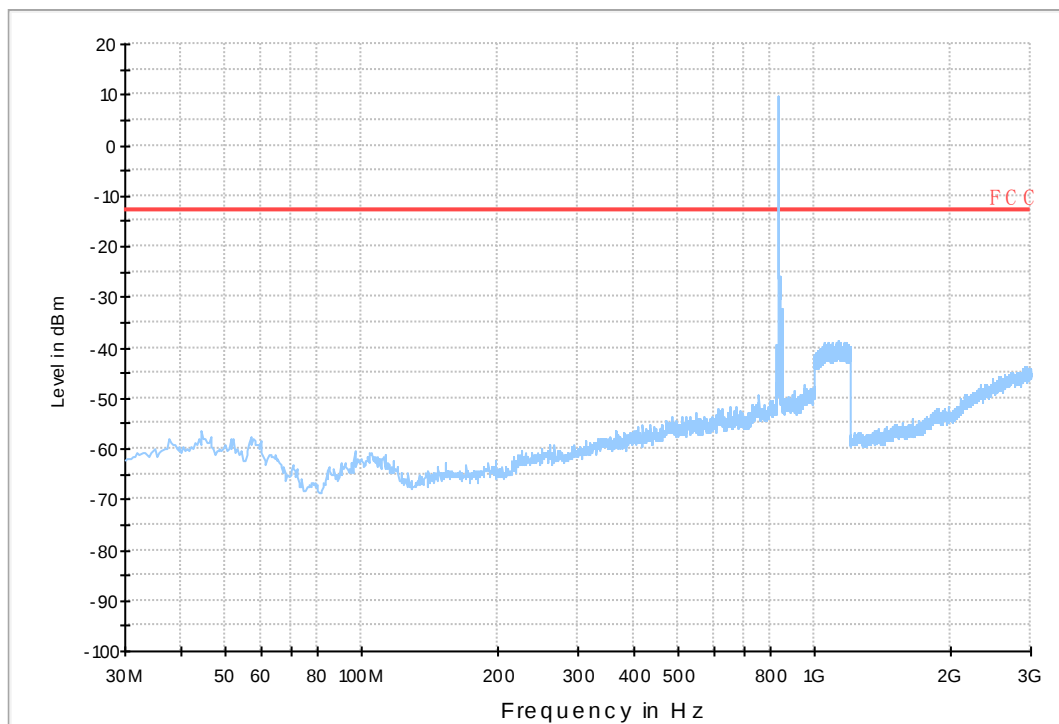
Copy of RSE-TX-DIRECTOR BELOW 1G_H



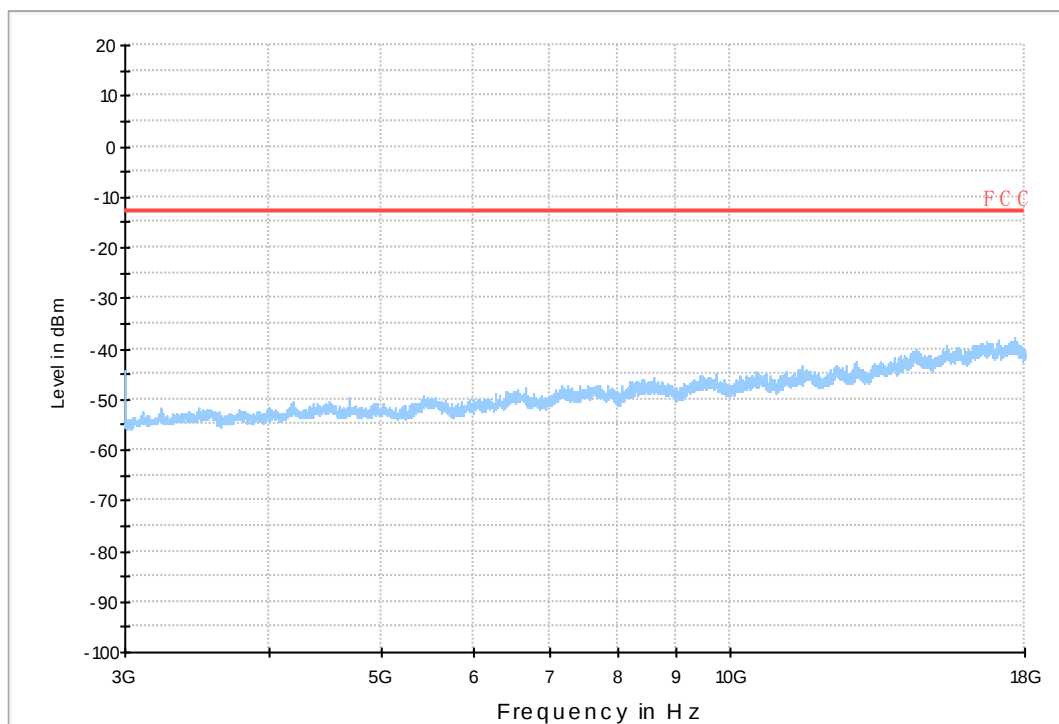
7.1.2.2 Test Bandwidth = 10



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	-2.80	-0.0034	PASS
					VN	-3.55	-0.0043	PASS
					VH	-13.76	-0.01668	PASS
			MCH	TN	VL	-6.24	-0.00746	PASS
					VN	21.83	0.0261	PASS
					VH	0.34	0.00041	PASS
			HCH	TN	VL	0.54	0.00064	PASS
					VN	-0.10	-0.00012	PASS
					VH	-3.46	-0.00408	PASS
		3	LCH	TN	VL	1.97	0.00239	PASS
					VN	-5.94	-0.0072	PASS
					VH	-1.56	-0.00189	PASS
			MCH	TN	VL	1.09	0.0013	PASS
					VN	-3.42	-0.00409	PASS
					VH	1.86	0.00222	PASS
			HCH	TN	VL	0.63	0.00074	PASS
					VN	-2.42	-0.00286	PASS
					VH	-0.46	-0.00054	PASS
		5	LCH	TN	VL	-0.86	-0.00104	PASS
					VN	-2.02	-0.00244	PASS
					VH	0.33	0.0004	PASS
			MCH	TN	VL	-5.09	-0.00608	PASS
					VN	-0.41	-0.00049	PASS
					VH	-0.84	-0.001	PASS
			HCH	TN	VL	2.60	0.00307	PASS
					VN	-4.86	-0.00574	PASS
					VH	-2.72	-0.00321	PASS
		10	LCH	TN	VL	5.01	0.00604	PASS
					VN	-1.96	-0.00236	PASS
					VH	1.60	0.00193	PASS
			MCH	TN	VL	-2.79	-0.00334	PASS
					VN	-1.32	-0.00158	PASS
					VH	-3.22	-0.00385	PASS
			HCH	TN	VL	-1.79	-0.00212	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2				VN	-1.69	-0.002	PASS
					VH	-4.79	-0.00568	PASS
		1.4	LCH	TN	VL	-7.30	-0.00885	PASS
					VN	-9.86	-0.01196	PASS
					VH	-7.78	-0.00943	PASS
					VL	4.86	0.00581	PASS
			MCH	TN	VN	-4.78	-0.00571	PASS
					VH	-6.28	-0.00751	PASS
					VL	-1.17	-0.00138	PASS
			HCH	TN	VN	-3.56	-0.0042	PASS
					VH	-0.64	-0.00075	PASS
					VL	-3.15	-0.00382	PASS
		3	LCH	TN	VN	-3.79	-0.00459	PASS
					VH	8.78	0.01064	PASS
					VL	-2.06	-0.00246	PASS
			MCH	TN	VN	-0.04	-0.00005	PASS
					VH	3.63	0.00434	PASS
					VL	0.07	0.00008	PASS
			HCH	TN	VN	-1.76	-0.00208	PASS
					VH	-2.73	-0.00322	PASS
					VL	-1.16	-0.0014	PASS
		5	LCH	TN	VN	-0.27	-0.00033	PASS
					VH	-2.09	-0.00253	PASS
					VL	1.66	0.00198	PASS
			MCH	TN	VN	-1.60	-0.00191	PASS
					VH	1.09	0.0013	PASS
					VL	1.67	0.00197	PASS
			HCH	TN	VN	0.77	0.00091	PASS
					VH	-1.23	-0.00145	PASS
					VL	0.74	0.00089	PASS
		10	LCH	TN	VN	-4.56	-0.0055	PASS
					VH	1.49	0.0018	PASS
					VL	3.81	0.00455	PASS
			MCH	TN	VN	0.21	0.00025	PASS
					VH	3.69	0.00441	PASS
					VL	-5.11	-0.00605	PASS
			HCH	TN	VN	-4.72	-0.00559	PASS
					VH	-6.61	-0.00783	PASS
					VL	-5.11	-0.00605	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	-6.41	-0.00777	PASS
					-20	1.67	0.00202	PASS
					-10	-5.15	-0.00624	PASS
					0	0.31	0.00038	PASS
					10	-22.10	-0.0268	PASS
					20	-14.33	-0.01738	PASS
					30	-12.03	-0.01459	PASS
					40	-11.64	-0.01411	PASS
					50	-2.79	-0.00338	PASS
			MCH	VN	-30	-1.53	-0.00183	PASS
					-20	-4.76	-0.00569	PASS
					-10	1.02	0.00122	PASS
					0	3.29	0.00393	PASS
					10	-6.68	-0.00799	PASS
					20	1.59	0.0019	PASS
					30	-5.29	-0.00632	PASS
					40	-17.40	-0.0208	PASS
					50	-9.67	-0.01156	PASS
			HCH	VN	-30	-2.50	-0.00295	PASS
					-20	1.34	0.00158	PASS
					-10	17.87	0.02107	PASS
					0	-1.82	-0.00215	PASS
					10	-6.05	-0.00713	PASS
					20	-3.05	-0.0036	PASS
					30	-1.13	-0.00133	PASS
					40	0.41	0.00048	PASS
					50	-8.43	-0.00994	PASS
		3	LCH	VN	-30	-0.36	-0.00044	PASS
					-20	0.63	0.00076	PASS
					-10	-4.29	-0.0052	PASS
					0	4.26	0.00516	PASS
					10	9.27	0.01123	PASS
					20	-1.23	-0.00149	PASS
					30	-5.42	-0.00657	PASS
					40	0.70	0.00085	PASS
					50	-2.12	-0.00257	PASS
			MCH	VN	-30	0.62	0.00074	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	1.95	0.00233	PASS
					-10	0.87	0.00104	PASS
					0	3.86	0.00461	PASS
					10	0.62	0.00074	PASS
					20	-3.69	-0.00441	PASS
					30	-1.59	-0.0019	PASS
					40	-2.22	-0.00265	PASS
					50	-0.73	-0.00087	PASS
			HCH	VN	-30	-1.19	-0.0014	PASS
					-20	1.46	0.00172	PASS
					-10	-1.16	-0.00137	PASS
					0	4.21	0.00497	PASS
					10	1.59	0.00188	PASS
					20	1.42	0.00168	PASS
					30	0.82	0.00097	PASS
					40	3.59	0.00424	PASS
					50	-0.70	-0.00083	PASS
		5	LCH	VN	-30	-0.99	-0.0012	PASS
					-20	-4.48	-0.00542	PASS
					-10	-0.21	-0.00025	PASS
					0	1.40	0.00169	PASS
					10	-5.95	-0.0072	PASS
					20	0.21	0.00025	PASS
					30	0.11	0.00013	PASS
					40	-0.80	-0.00097	PASS
					50	0.04	0.00005	PASS
			MCH	VN	-30	1.65	0.00197	PASS
					-20	-5.75	-0.00687	PASS
					-10	0.09	0.00011	PASS
					0	-0.29	-0.00035	PASS
					10	0.01	0.00001	PASS
					20	-1.07	-0.00128	PASS
					30	-5.22	-0.00624	PASS
					40	-1.77	-0.00212	PASS
					50	1.99	0.00238	PASS
			HCH	VN	-30	0.37	0.00044	PASS
					-20	-1.80	-0.00213	PASS
					-10	-1.79	-0.00211	PASS
					0	-1.33	-0.00157	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-1.52	-0.0018	PASS
					20	-0.66	-0.00078	PASS
					30	-0.62	-0.00073	PASS
					40	1.14	0.00135	PASS
					50	-2.25	-0.00266	PASS
		10	LCH	VN	-30	0.10	0.00012	PASS
					-20	-0.87	-0.00105	PASS
					-10	-3.98	-0.0048	PASS
					0	-4.36	-0.00526	PASS
					10	-5.74	-0.00692	PASS
					20	2.62	0.00316	PASS
					30	2.92	0.00352	PASS
					40	2.20	0.00265	PASS
					50	2.60	0.00314	PASS
			MCH	VN	-30	-4.33	-0.00518	PASS
					-20	3.35	0.004	PASS
					-10	-3.15	-0.00377	PASS
					0	-1.70	-0.00203	PASS
					10	-0.86	-0.00103	PASS
					20	-1.72	-0.00206	PASS
					30	0.19	0.00023	PASS
					40	0.92	0.0011	PASS
					50	-3.98	-0.00476	PASS
			HCH	VN	-30	-3.96	-0.00469	PASS
					-20	-3.18	-0.00377	PASS
					-10	-10.76	-0.01275	PASS
					0	-2.89	-0.00342	PASS
					10	-5.84	-0.00692	PASS
					20	-3.32	-0.00393	PASS
					30	-6.78	-0.00803	PASS
					40	-7.48	-0.00886	PASS
					50	-4.43	-0.00525	PASS
	LTE/TM2	1.4	LCH	VN	-30	-32.16	-0.039	PASS
					-20	-4.16	-0.00504	PASS
					-10	-1.82	-0.00221	PASS
					0	-14.59	-0.01769	PASS
					10	-13.65	-0.01655	PASS
					20	-6.41	-0.00777	PASS
					30	0.73	0.00089	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-15.92	-0.0193	PASS
					50	-15.65	-0.01898	PASS
			MCH	VN	-30	-4.02	-0.00481	PASS
					-20	-4.53	-0.00542	PASS
					-10	-1.29	-0.00154	PASS
					0	5.76	0.00689	PASS
					10	4.02	0.00481	PASS
					20	-14.32	-0.01712	PASS
					30	-5.78	-0.00691	PASS
					40	-0.51	-0.00061	PASS
					50	-23.15	-0.02767	PASS
			HCH	VN	-30	-12.85	-0.01515	PASS
					-20	1.97	0.00232	PASS
					-10	1.49	0.00176	PASS
					0	-0.72	-0.00085	PASS
					10	-2.07	-0.00244	PASS
					20	4.19	0.00494	PASS
					30	-6.81	-0.00803	PASS
					40	1.70	0.002	PASS
					50	-1.93	-0.00228	PASS
		3	LCH	VN	-30	-1.96	-0.00237	PASS
					-20	2.26	0.00274	PASS
					-10	-8.47	-0.01026	PASS
					0	7.42	0.00899	PASS
					10	-3.48	-0.00422	PASS
					20	-6.32	-0.00766	PASS
					30	0.14	0.00017	PASS
					40	-5.41	-0.00655	PASS
					50	-0.82	-0.00099	PASS
			MCH	VN	-30	3.45	0.00412	PASS
					-20	-2.16	-0.00258	PASS
					-10	1.30	0.00155	PASS
					0	-2.47	-0.00295	PASS
					10	-1.67	-0.002	PASS
					20	2.56	0.00306	PASS
					30	1.69	0.00202	PASS
					40	-3.85	-0.0046	PASS
					50	-1.17	-0.0014	PASS
			HCH	VN	-30	-1.27	-0.0015	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-1.29	-0.00152	PASS
					-10	-0.37	-0.00044	PASS
					0	-3.08	-0.00363	PASS
					10	-1.12	-0.00132	PASS
					20	1.87	0.00221	PASS
					30	1.04	0.00123	PASS
					40	1.87	0.00221	PASS
					50	-1.37	-0.00162	PASS
		5	LCH	VN	-30	-1.76	-0.00213	PASS
					-20	3.55	0.0043	PASS
					-10	4.32	0.00523	PASS
					0	5.52	0.00668	PASS
					10	5.32	0.00644	PASS
					20	3.48	0.00421	PASS
					30	6.61	0.008	PASS
					40	4.51	0.00546	PASS
					50	2.00	0.00242	PASS
			MCH	VN	-30	2.52	0.00301	PASS
					-20	0.97	0.00116	PASS
					-10	1.00	0.0012	PASS
					0	0.34	0.00041	PASS
					10	0.33	0.00039	PASS
					20	-0.90	-0.00108	PASS
					30	-0.39	-0.00047	PASS
					40	1.80	0.00215	PASS
					50	-2.49	-0.00298	PASS
			HCH	VN	-30	3.65	0.00431	PASS
					-20	-1.36	-0.00161	PASS
					-10	-0.64	-0.00076	PASS
					0	1.10	0.0013	PASS
					10	-2.30	-0.00272	PASS
					20	-2.92	-0.00345	PASS
					30	2.88	0.0034	PASS
					40	-2.80	-0.00331	PASS
					50	-4.95	-0.00585	PASS
		10	LCH	VN	-30	1.12	0.00135	PASS
					-20	1.16	0.0014	PASS
					-10	-5.12	-0.00618	PASS
					0	0.10	0.00012	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	4.26	0.00514	PASS
					20	-4.33	-0.00522	PASS
					30	-1.09	-0.00131	PASS
					40	3.33	0.00402	PASS
					50	0.80	0.00097	PASS
			MCH	VN	-30	1.66	0.00198	PASS
					-20	-0.86	-0.00103	PASS
					-10	2.75	0.00329	PASS
					0	1.04	0.00124	PASS
					10	3.45	0.00412	PASS
					20	2.79	0.00334	PASS
					30	3.92	0.00469	PASS
					40	-6.02	-0.0072	PASS
					50	6.24	0.00746	PASS
			HCH	VN	-30	-1.92	-0.00227	PASS
					-20	-0.83	-0.00098	PASS
					-10	-6.32	-0.00749	PASS
					0	-2.10	-0.00249	PASS
					10	-2.40	-0.00284	PASS
					20	-0.96	-0.00114	PASS
					30	-3.78	-0.00448	PASS
					40	-2.07	-0.00245	PASS
					50	-4.06	-0.00481	PASS

END