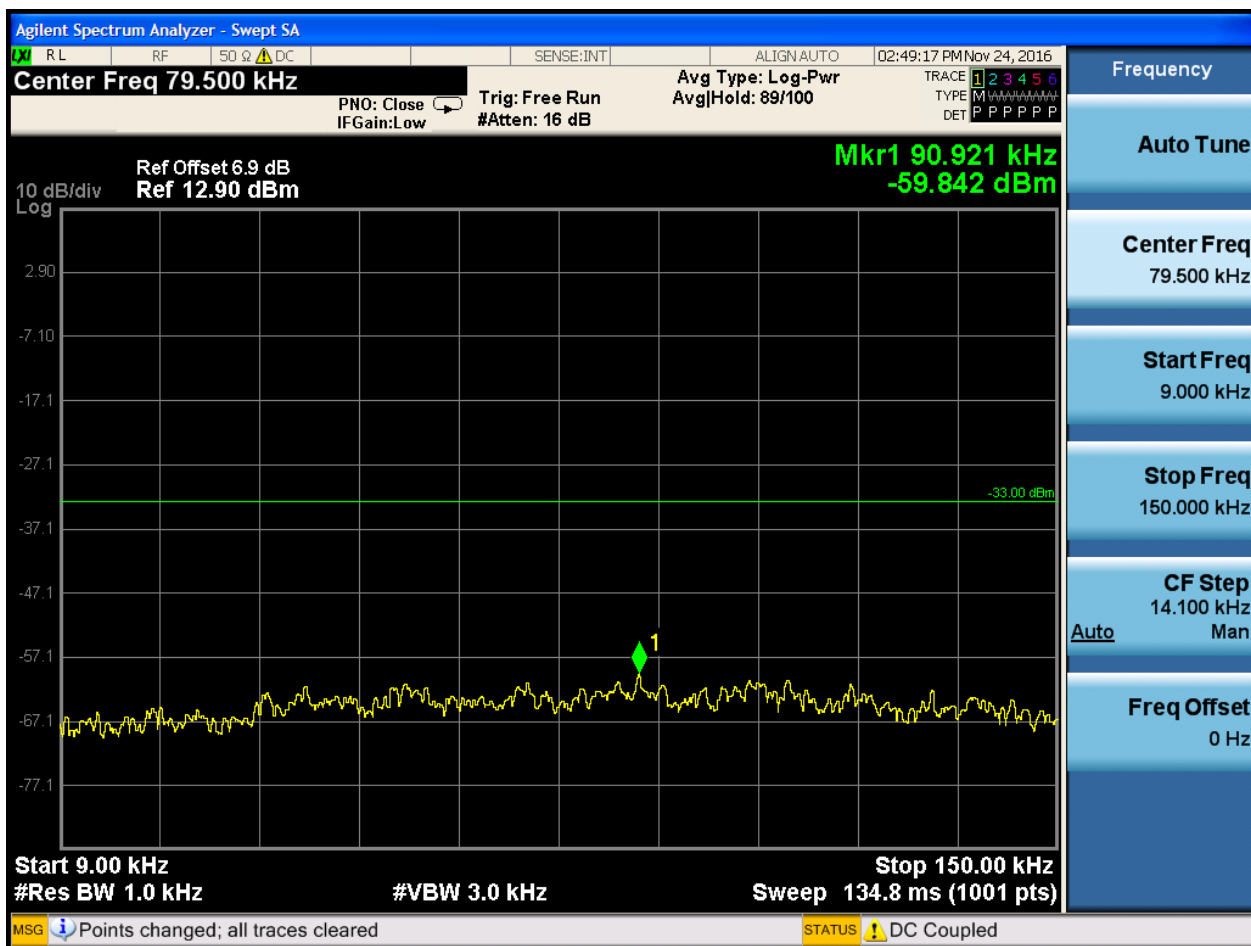
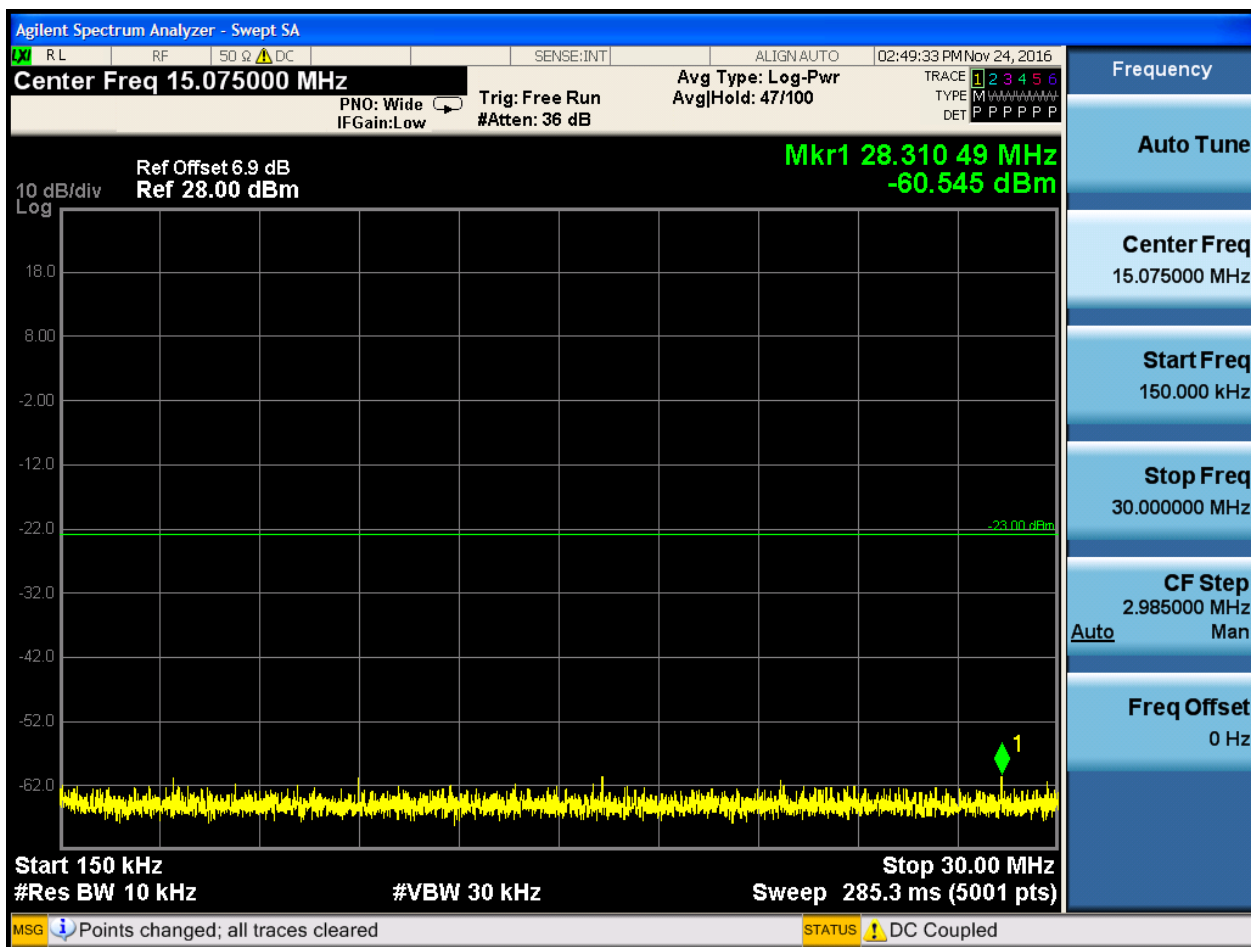


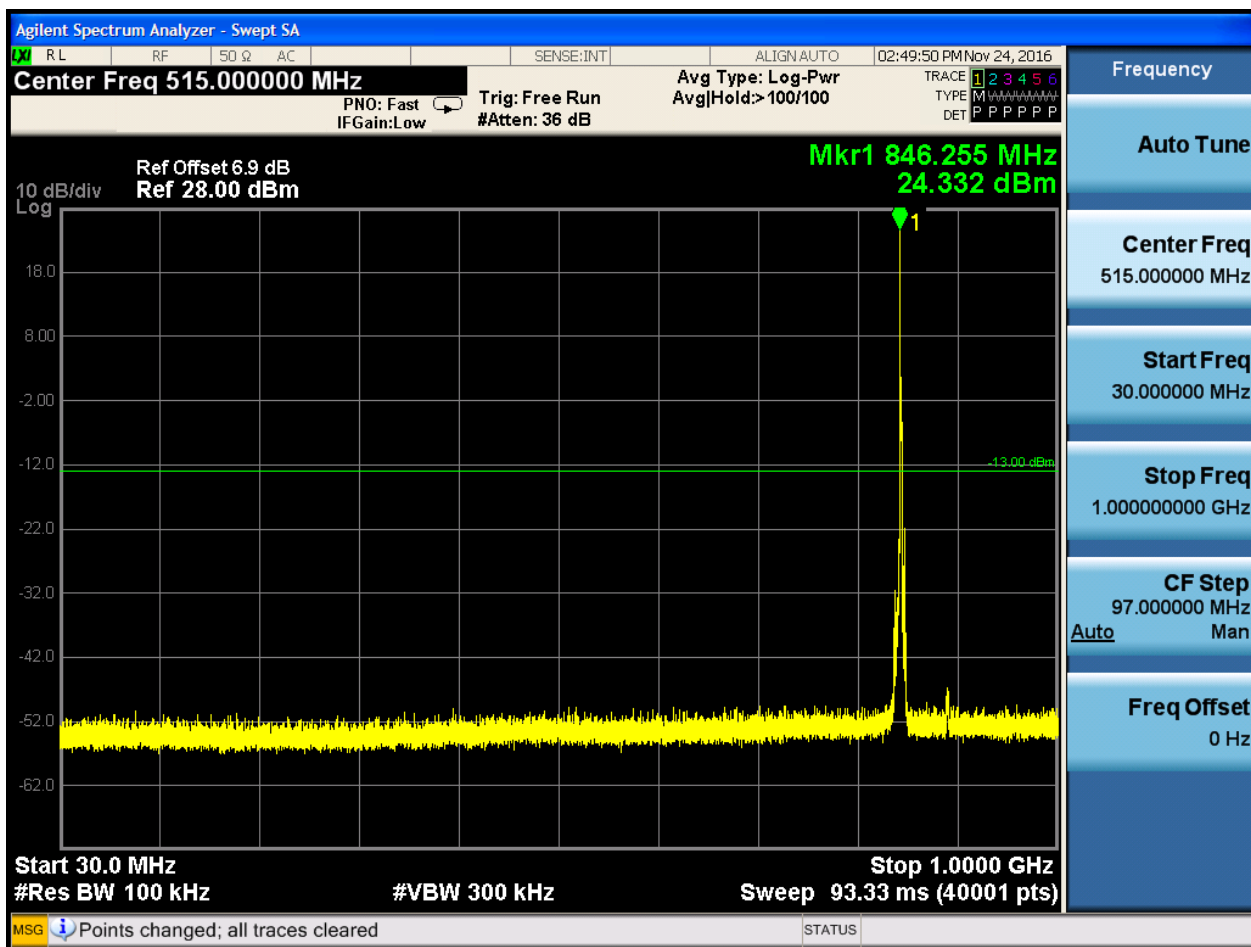


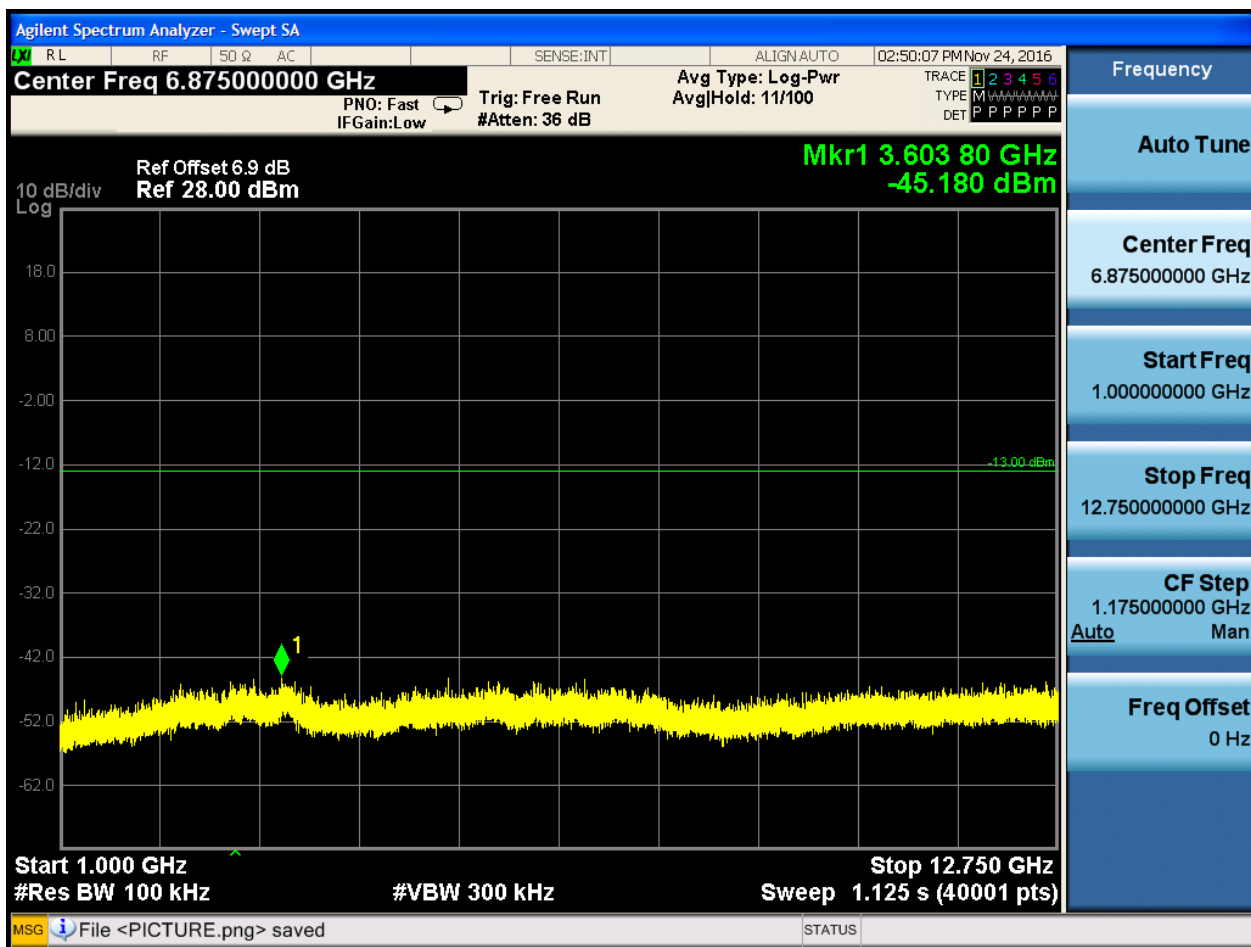
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





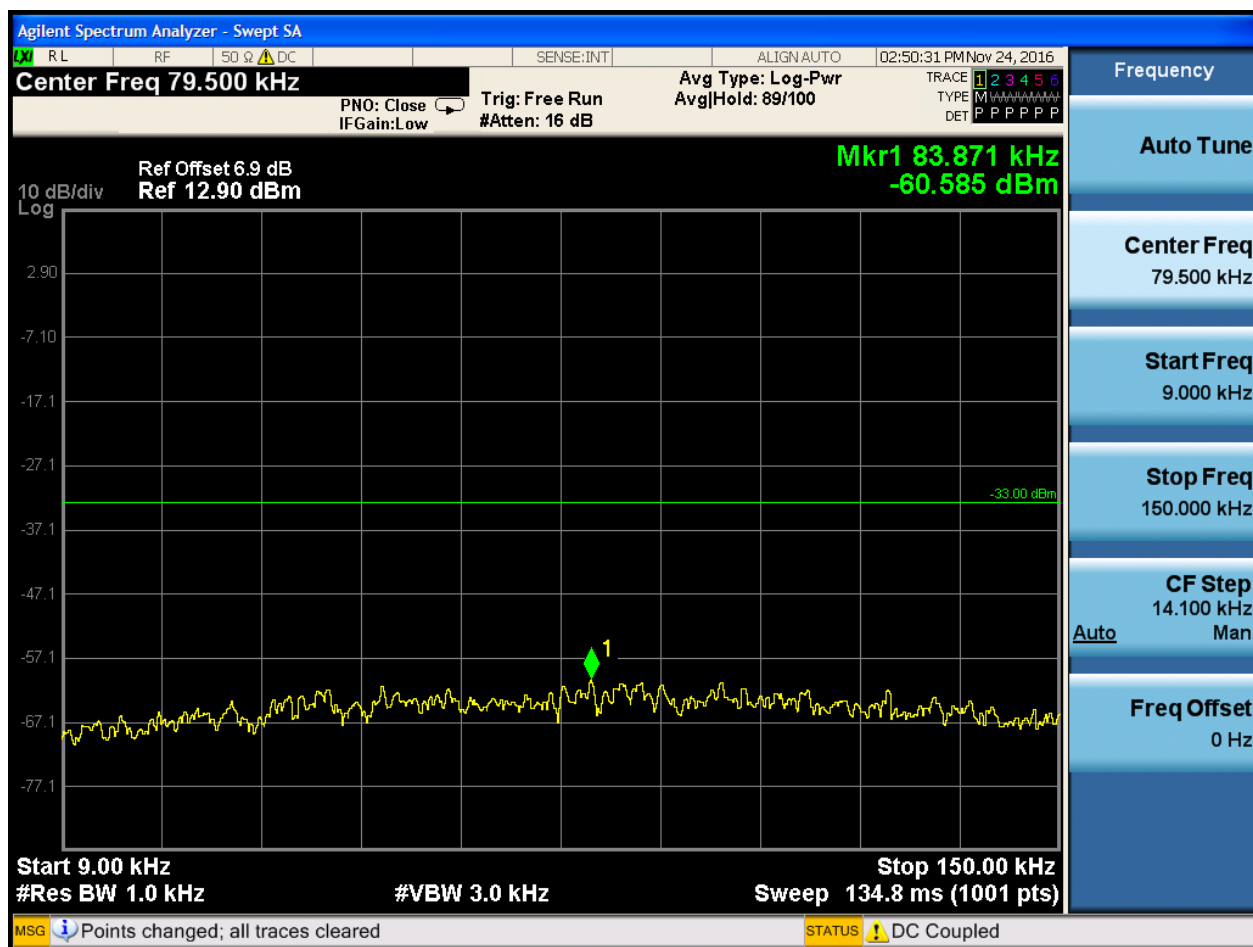


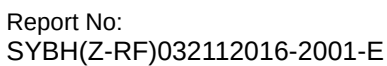


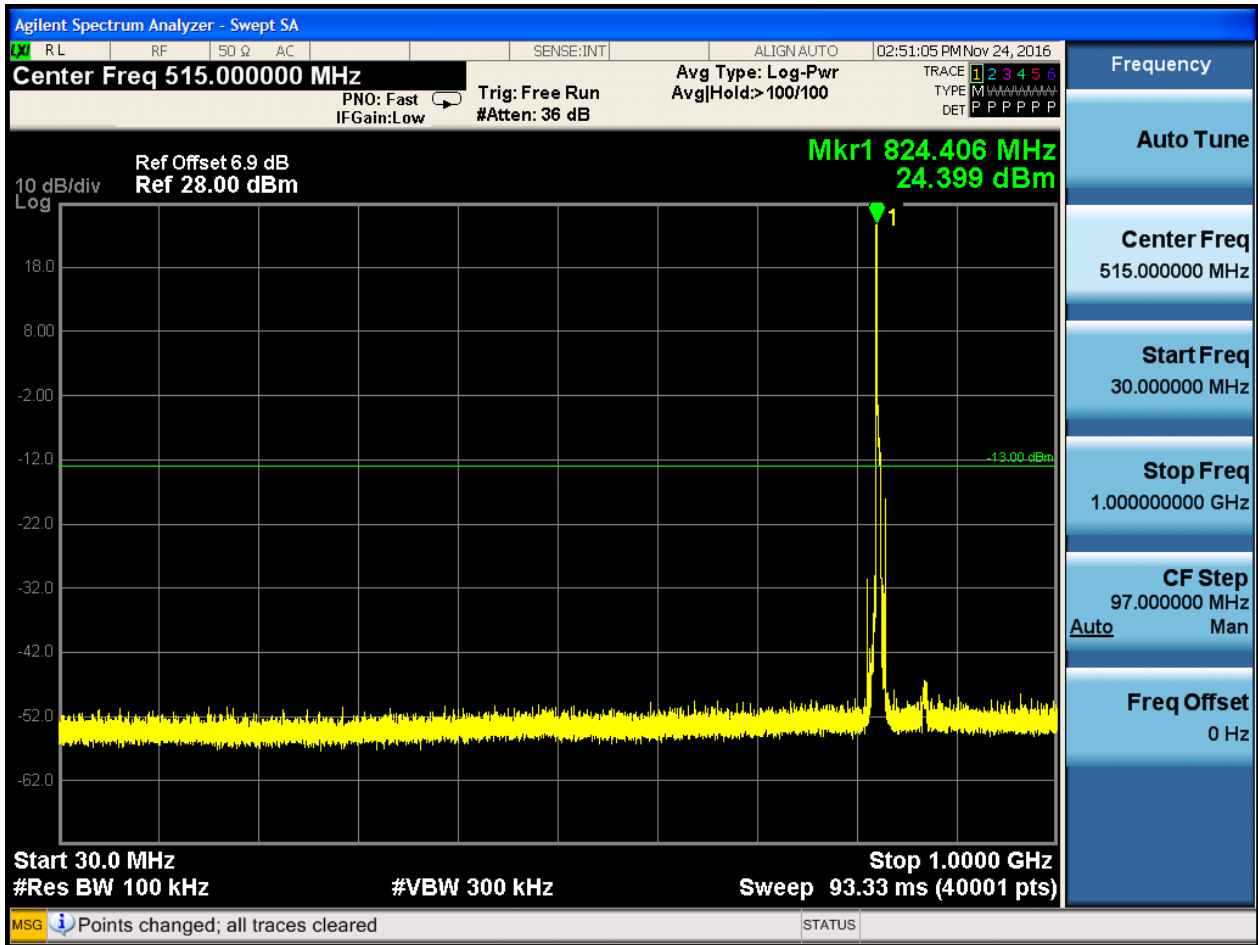
6.1.1.1.3 Test Bandwidth = 5

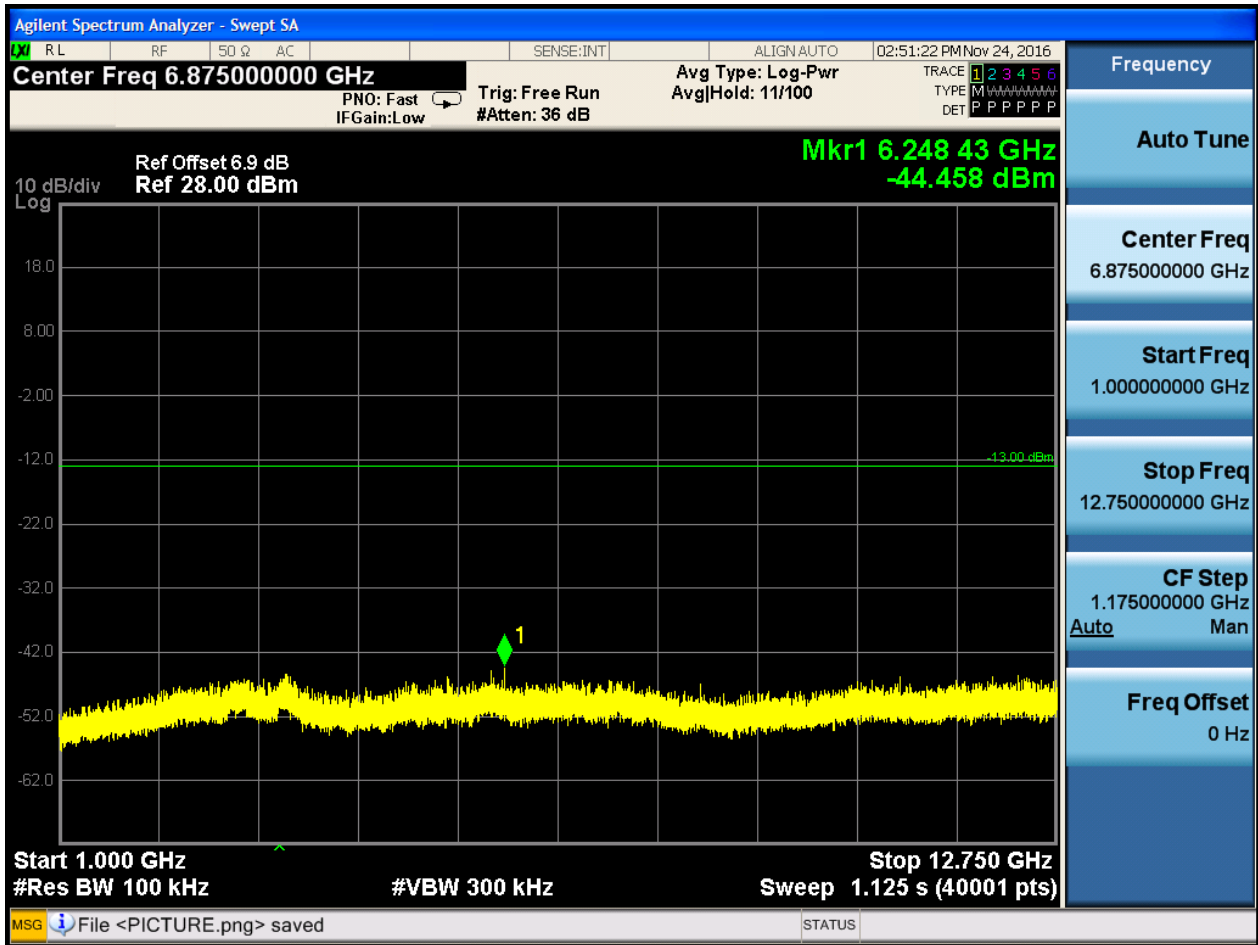
6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





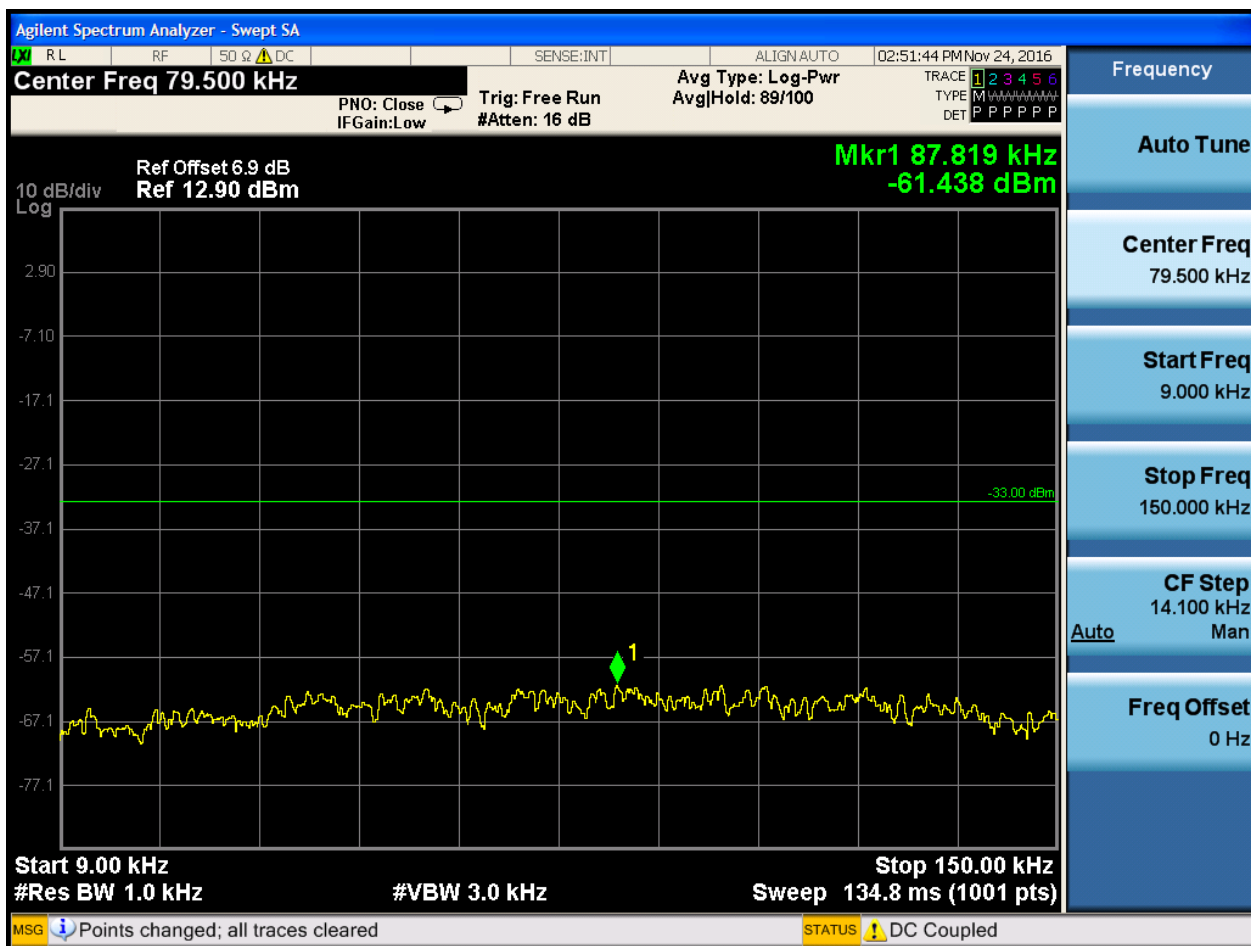


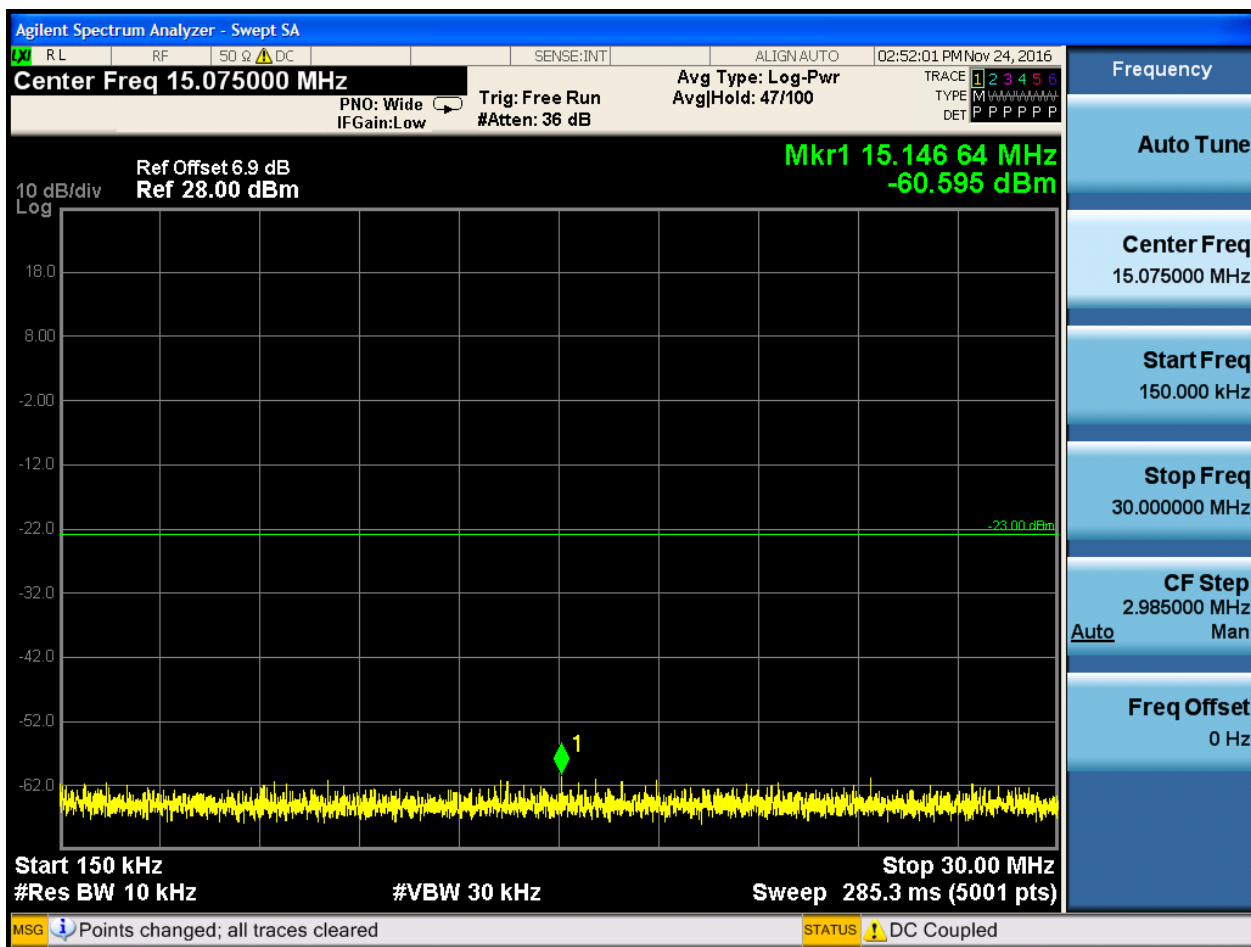


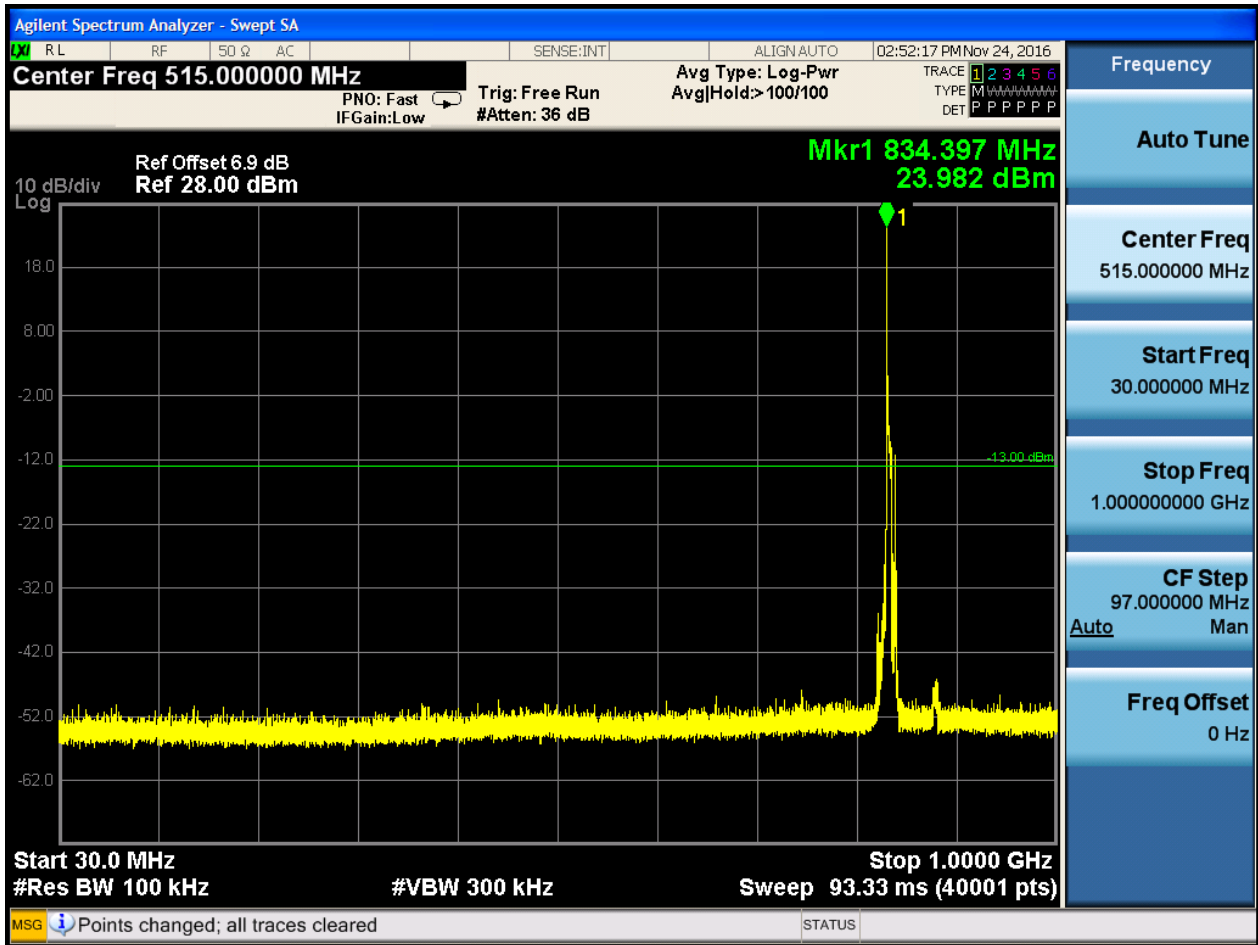


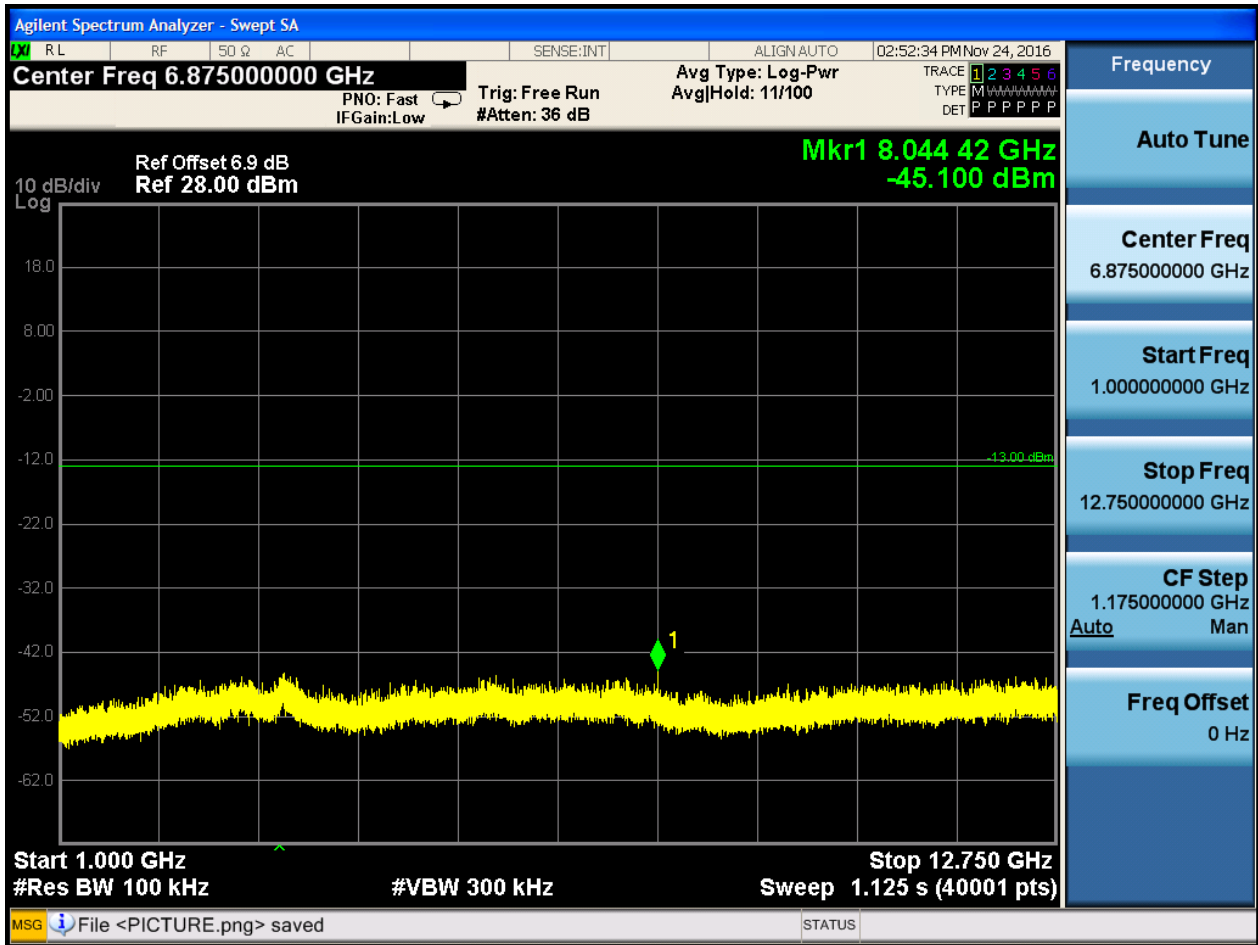
6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0





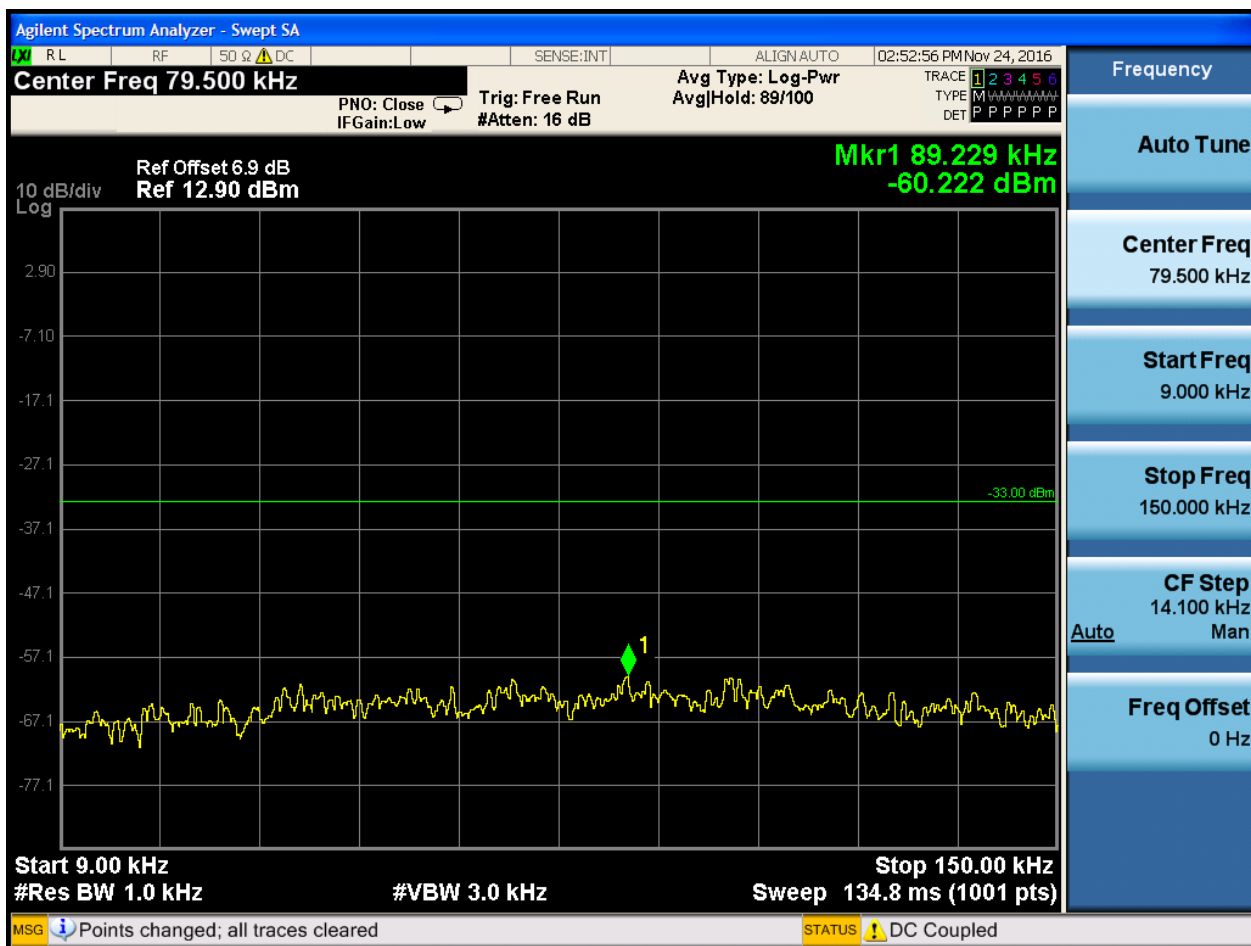


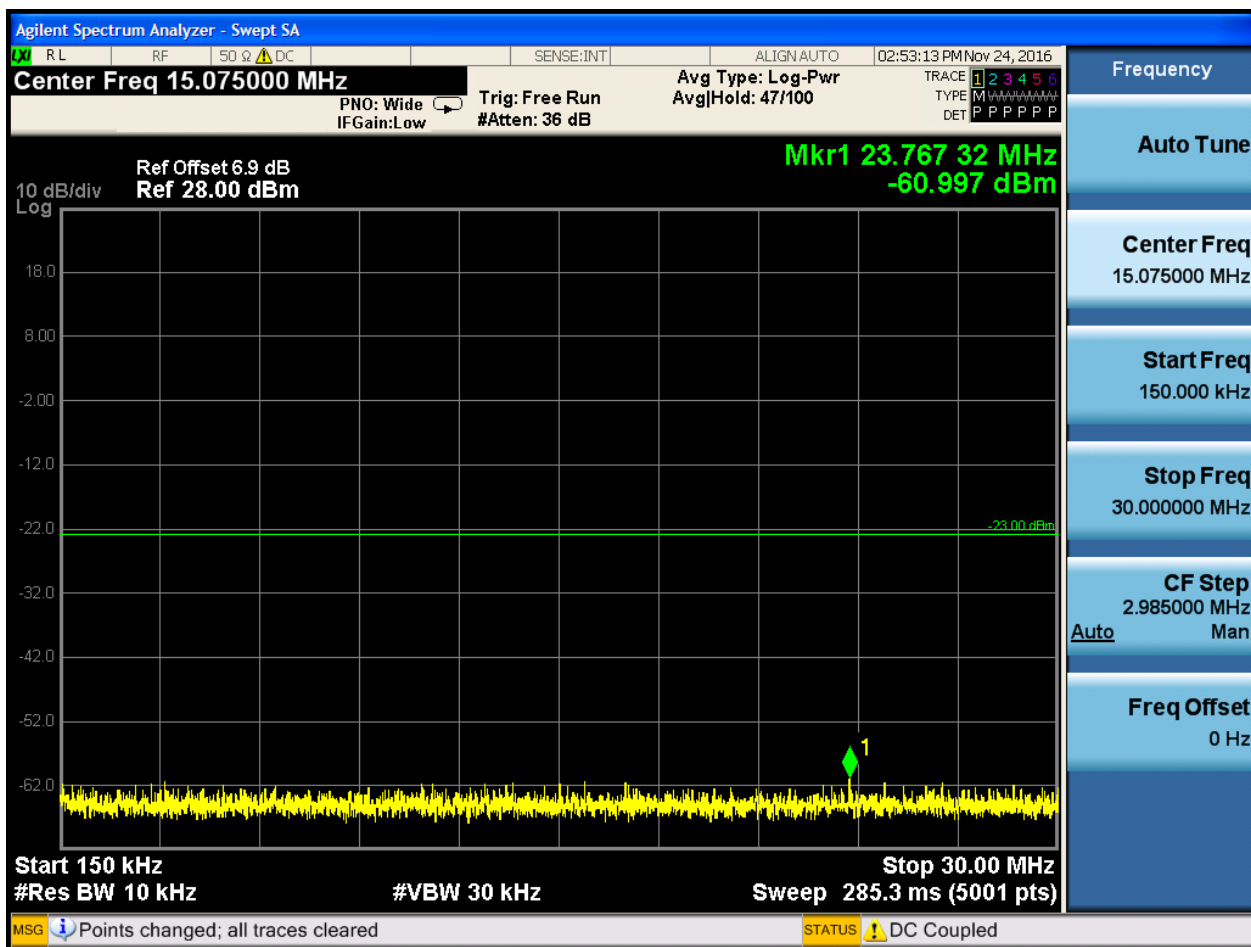


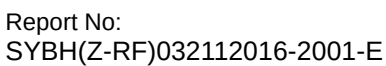


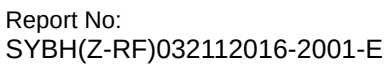
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





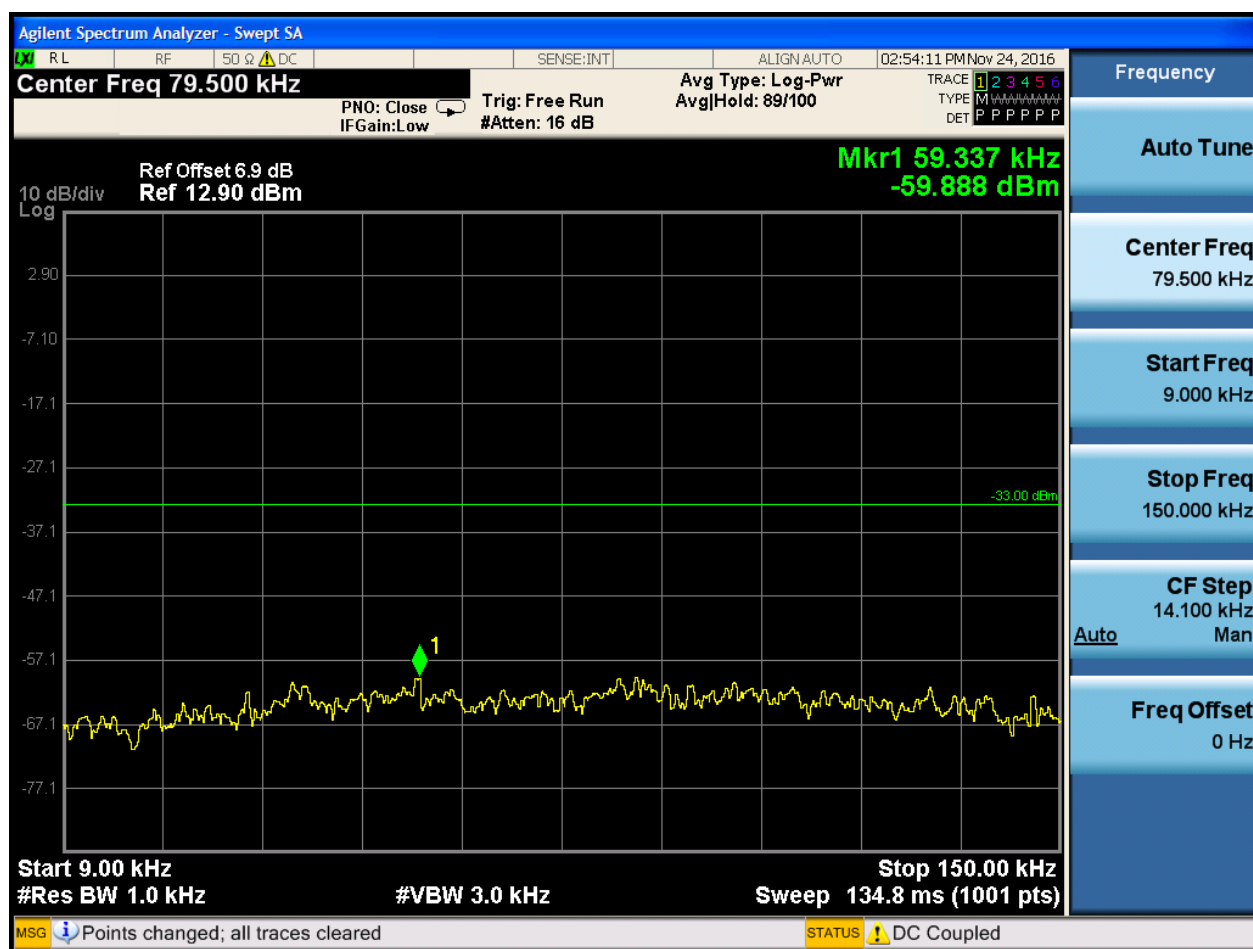


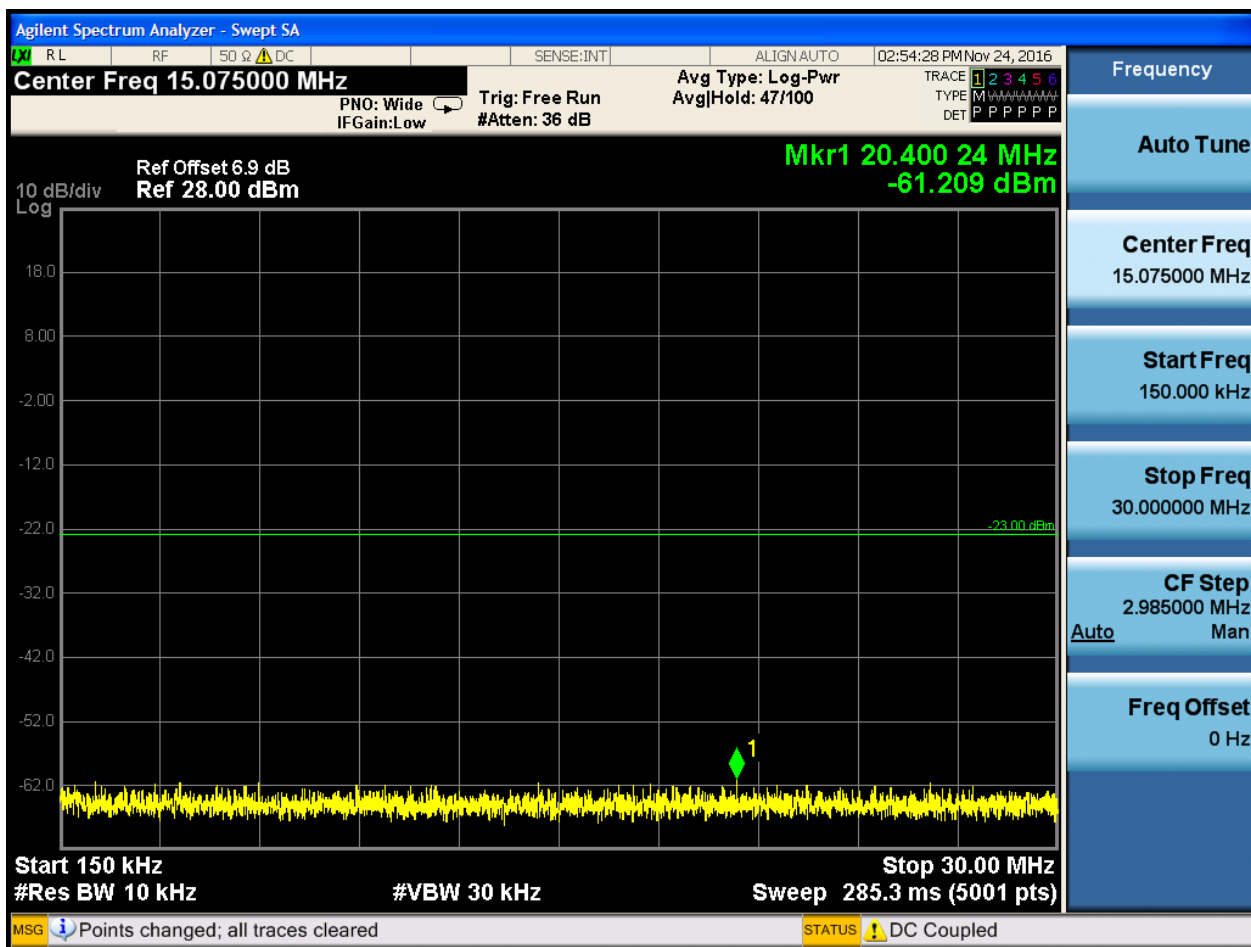


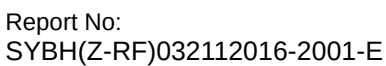
6.1.1.1.4 Test Bandwidth = 10

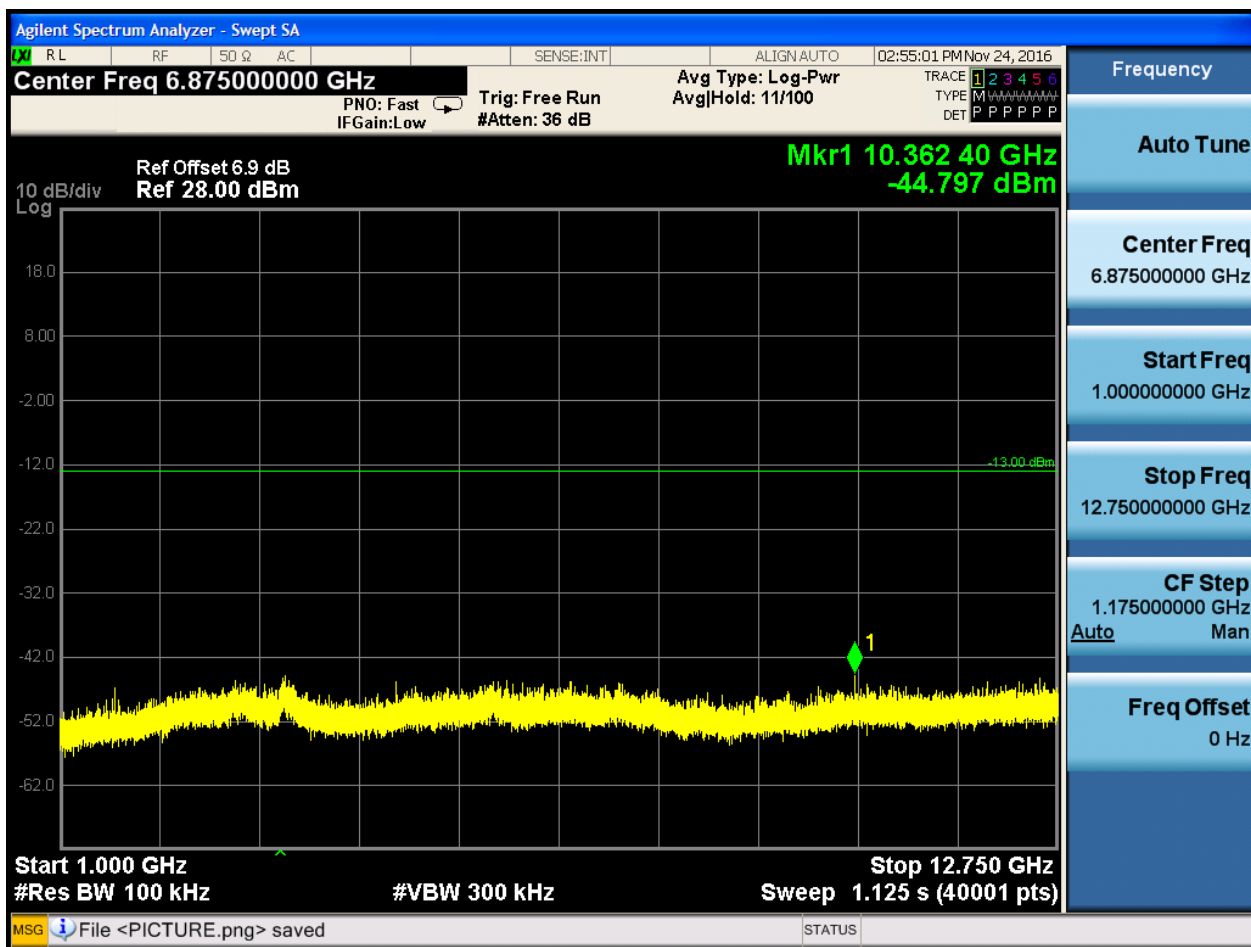
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





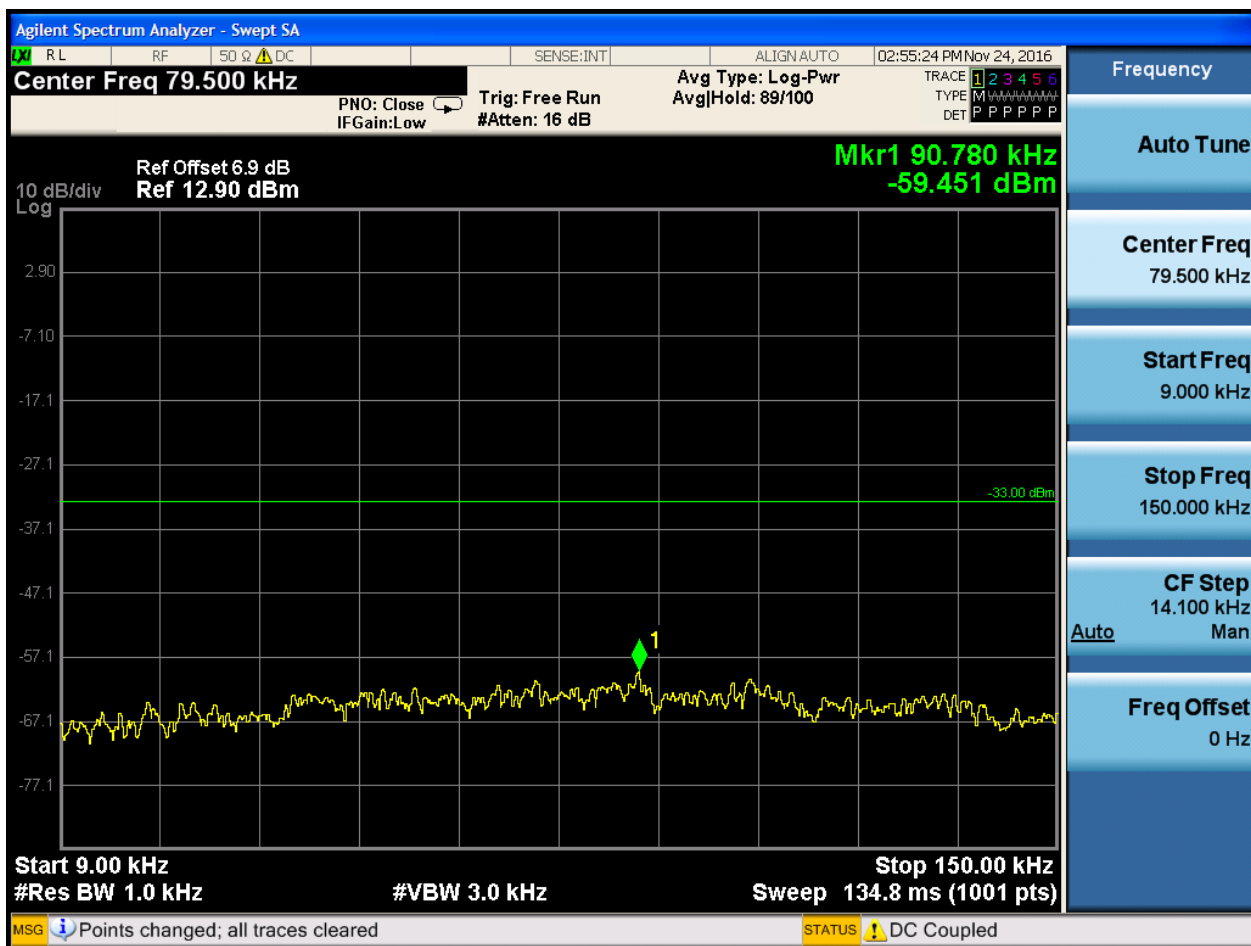


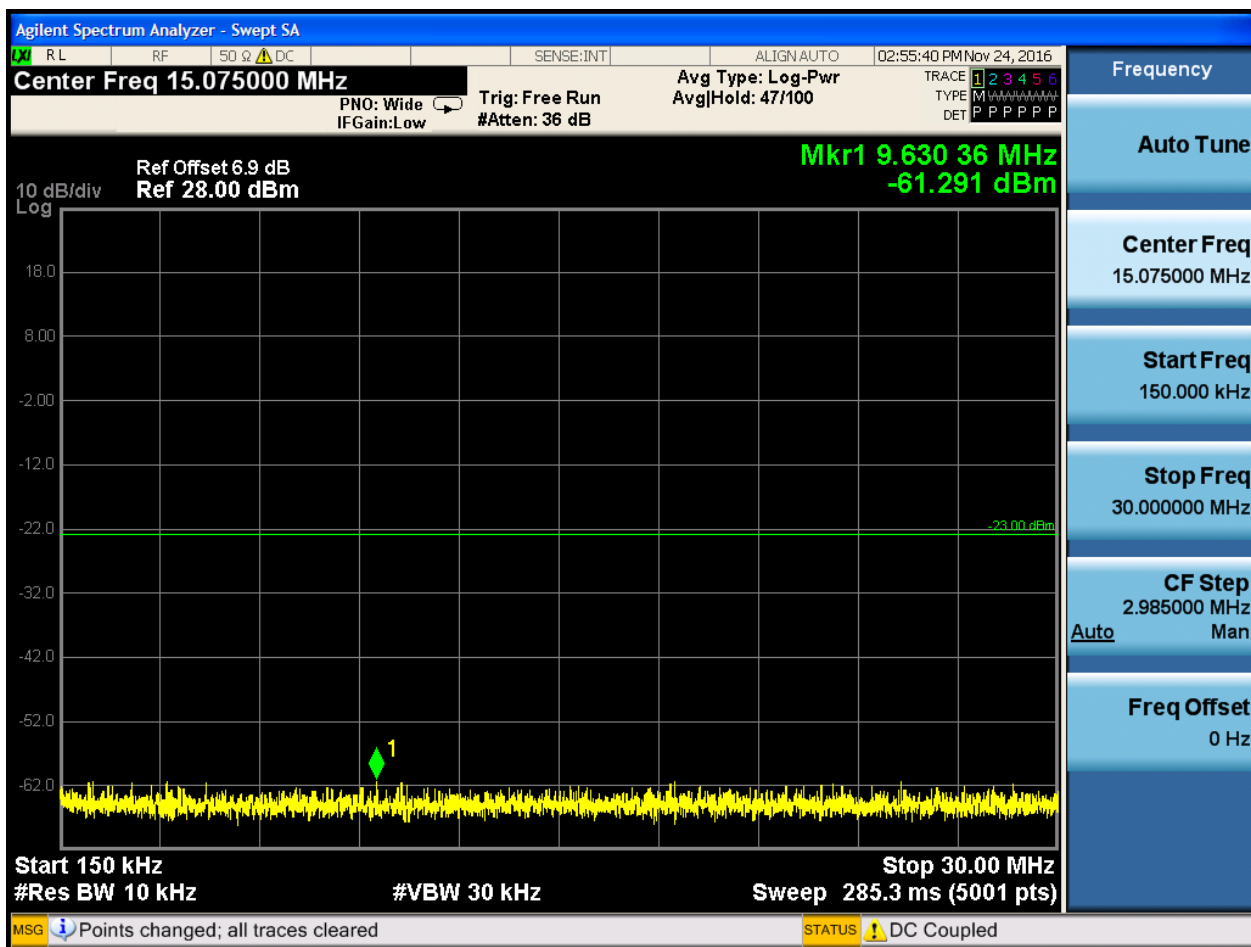


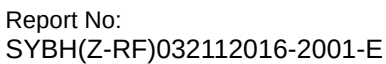


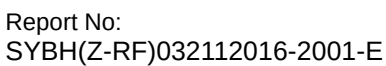
6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0





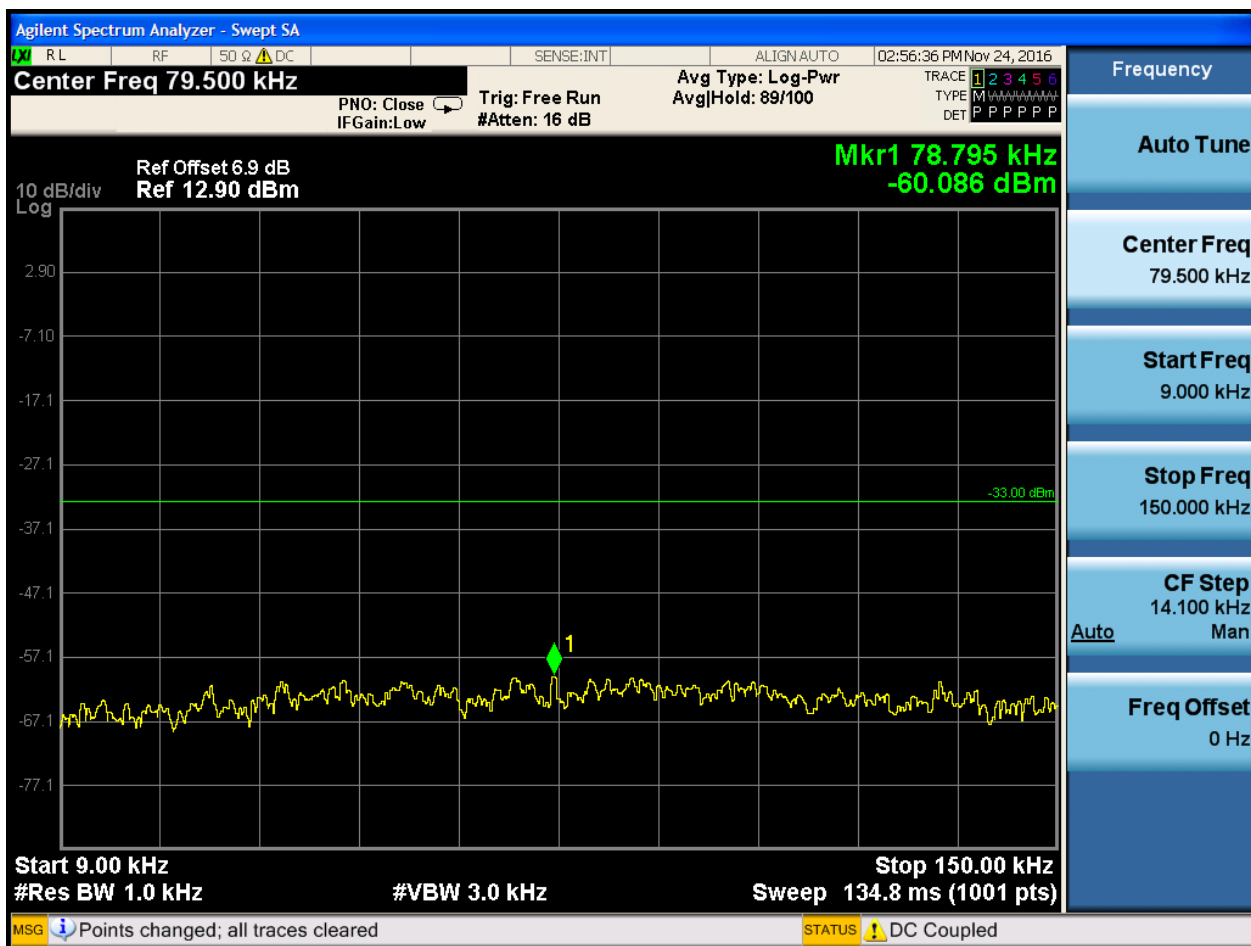


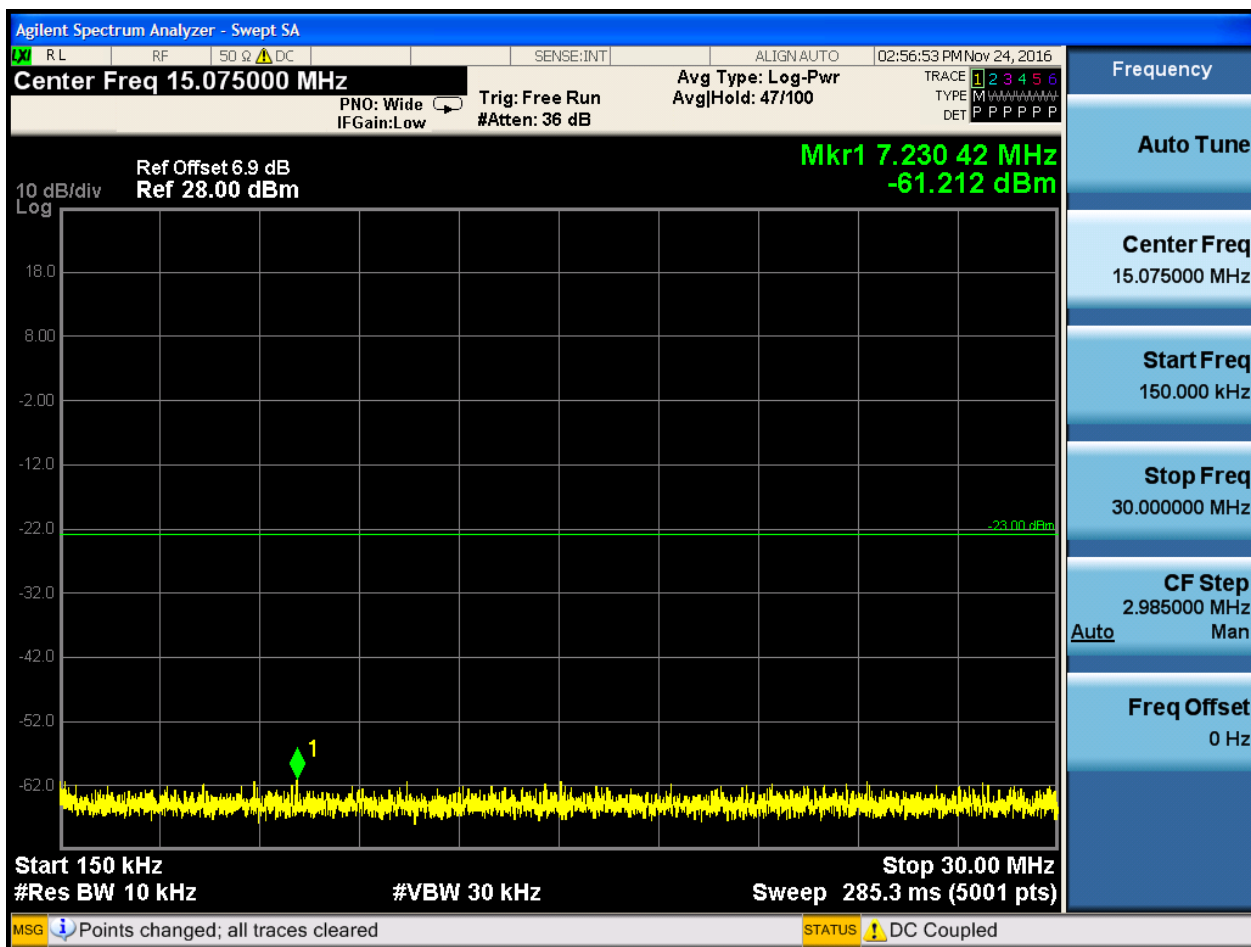


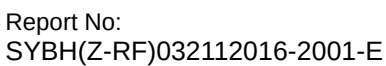


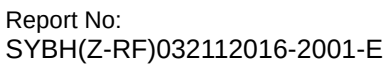
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









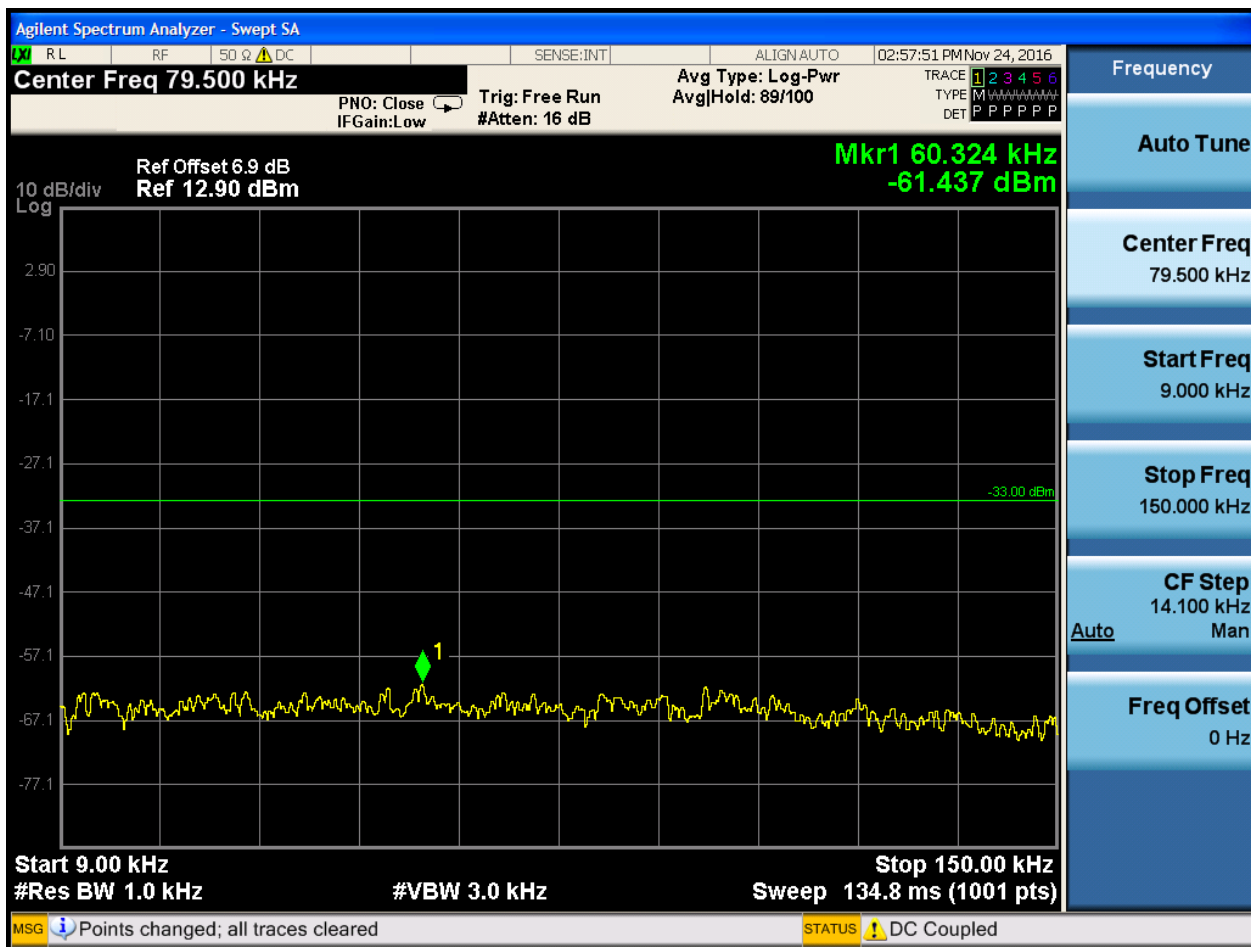


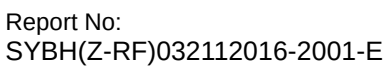
6.1.1.2 Test Mode = LTE/TM2

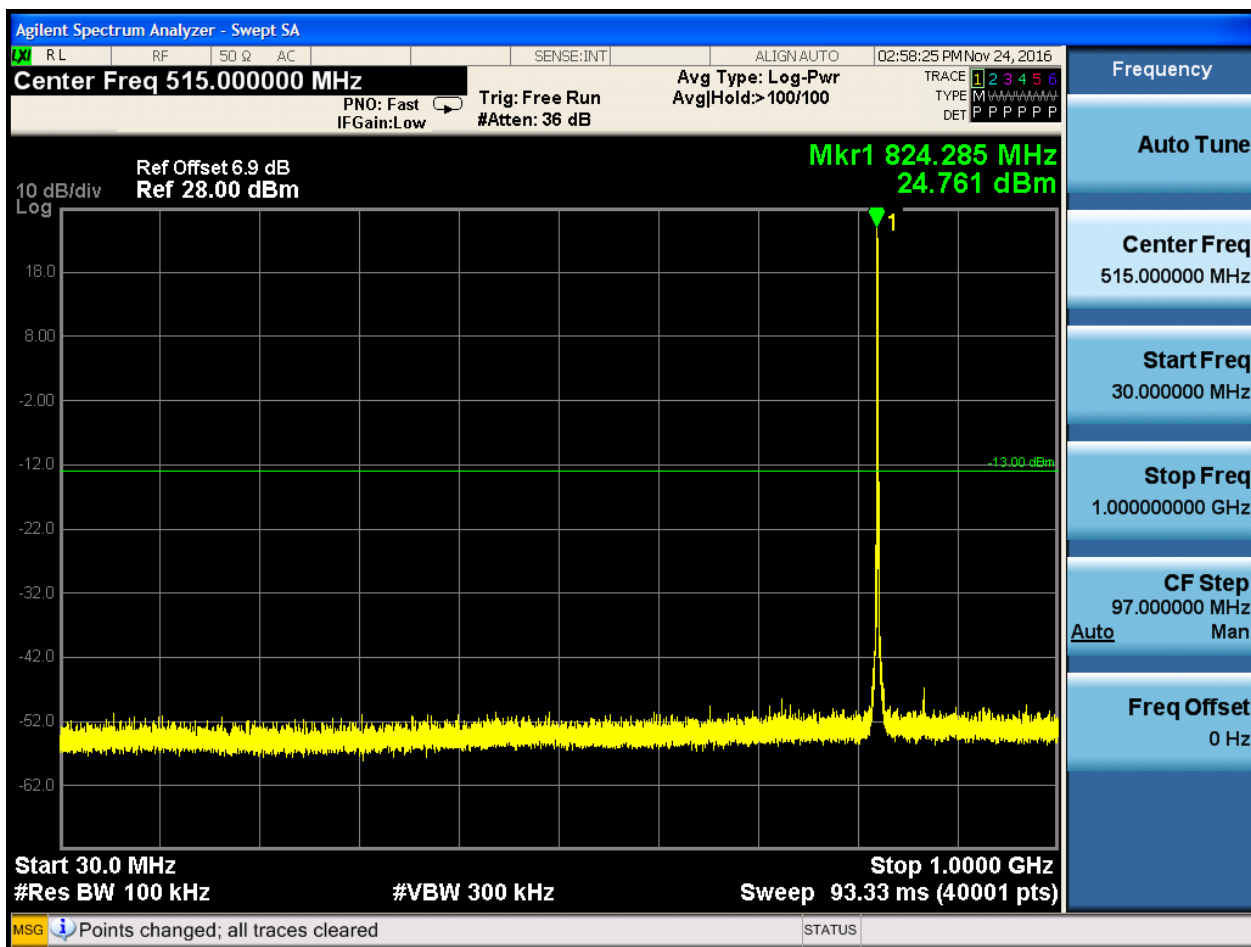
6.1.1.2.1 Test Bandwidth = 1.4

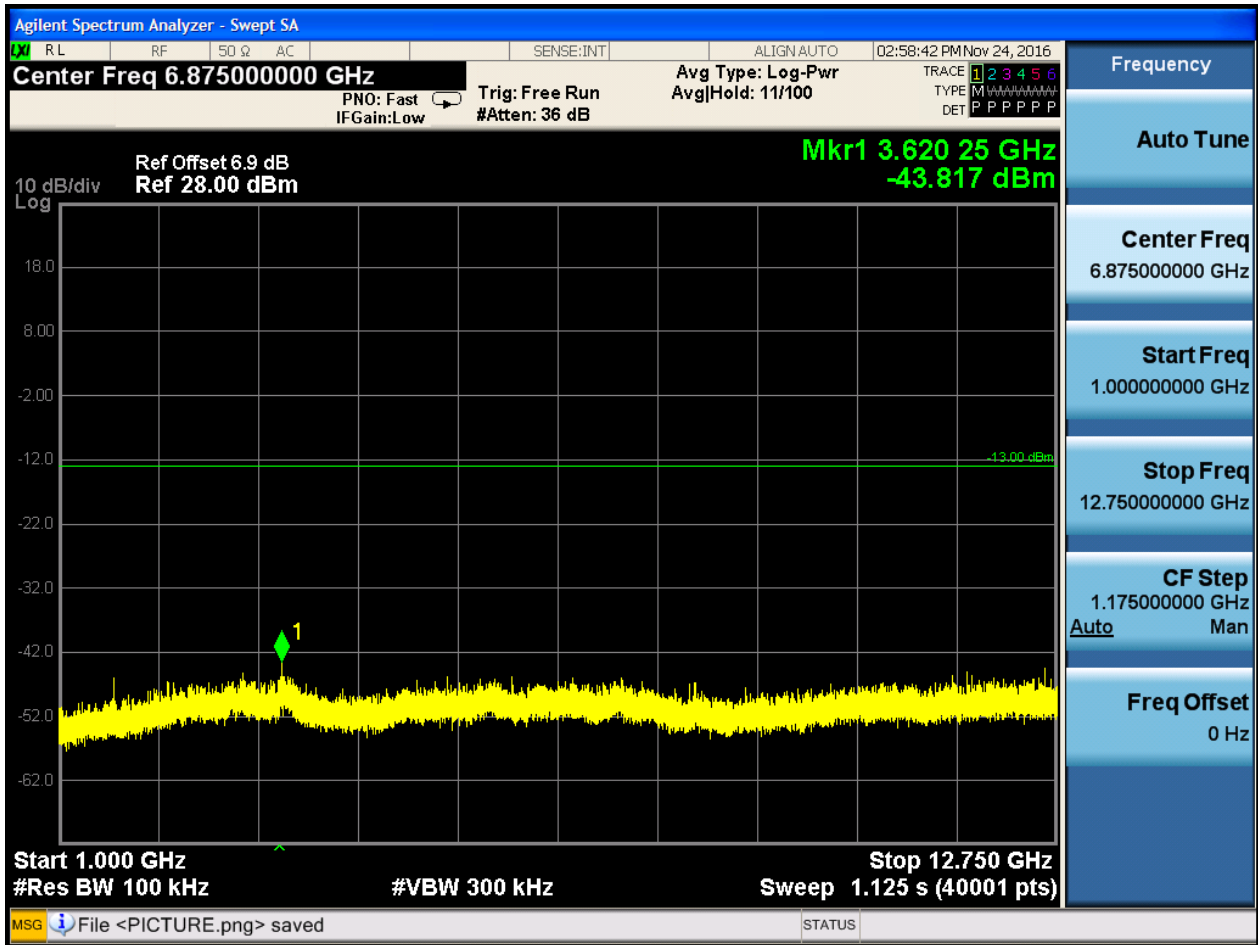
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





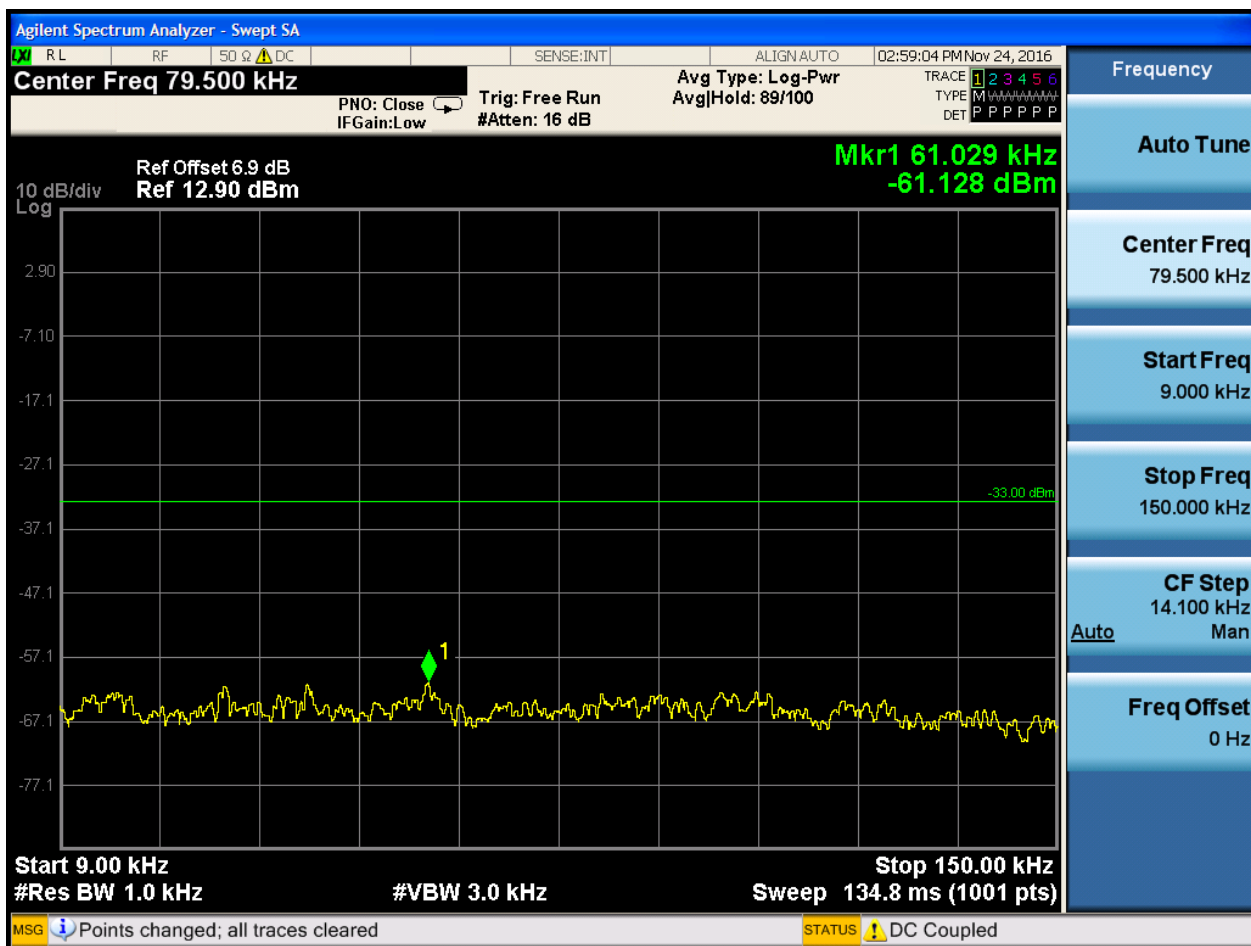


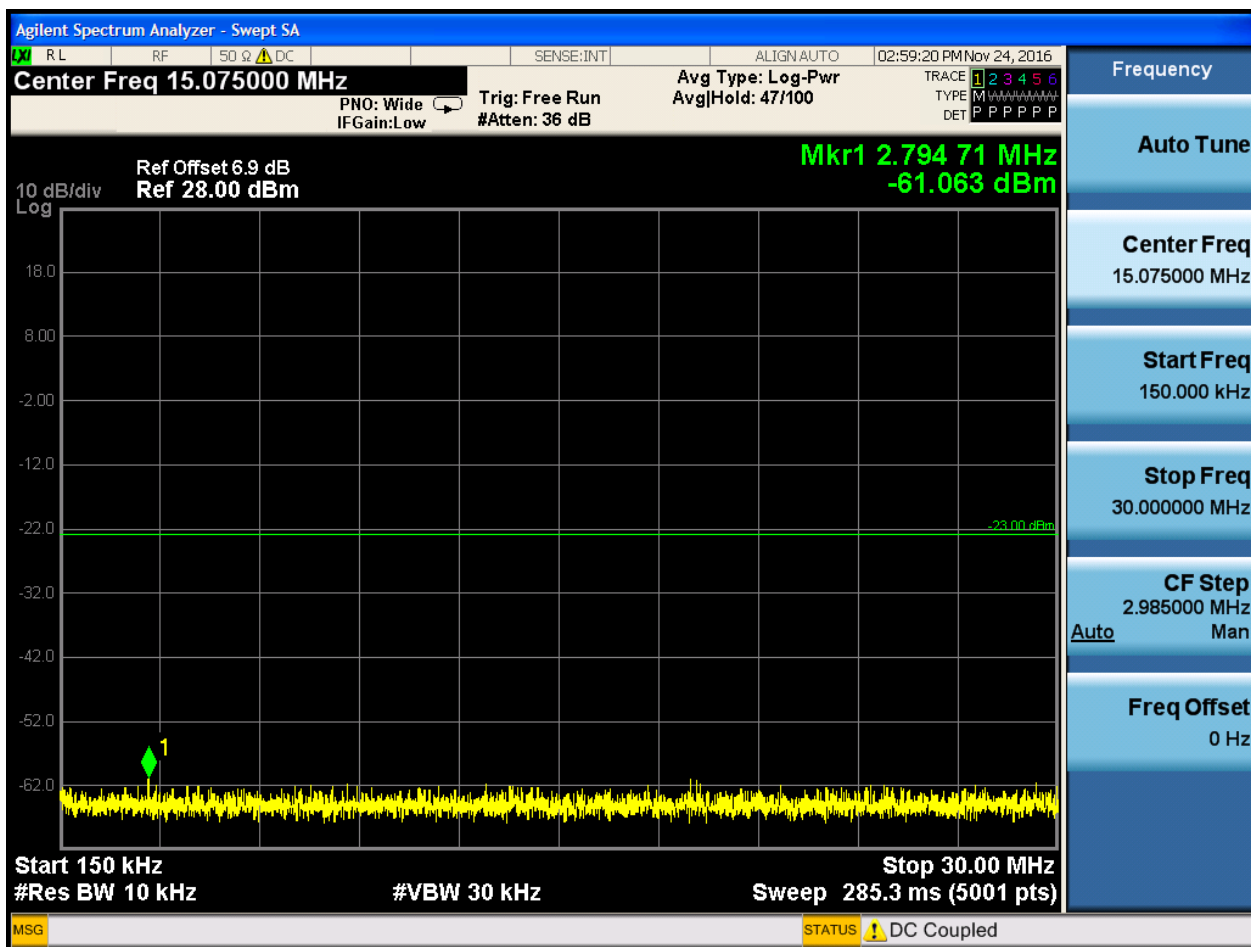


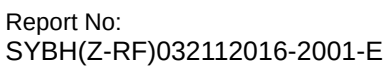


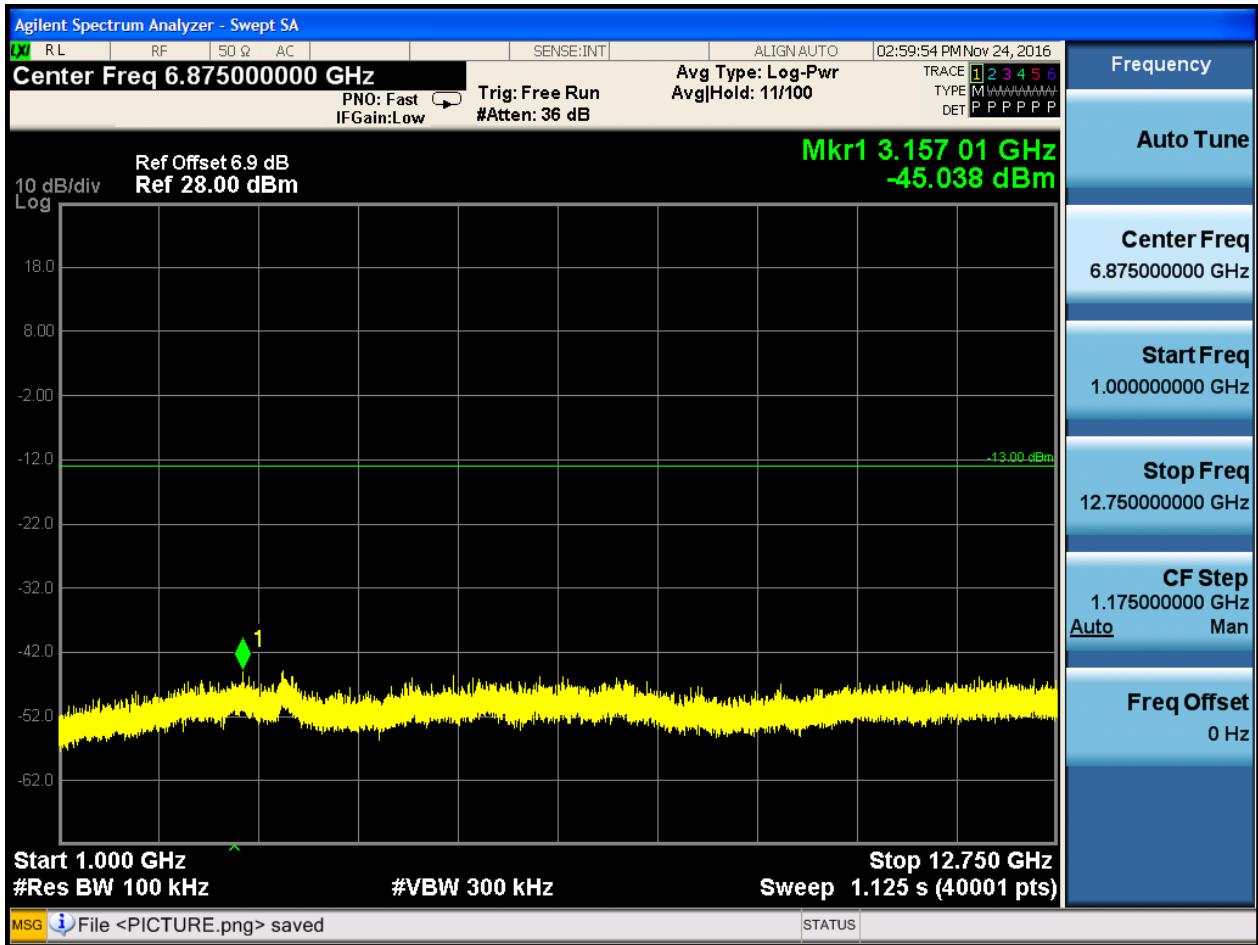
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





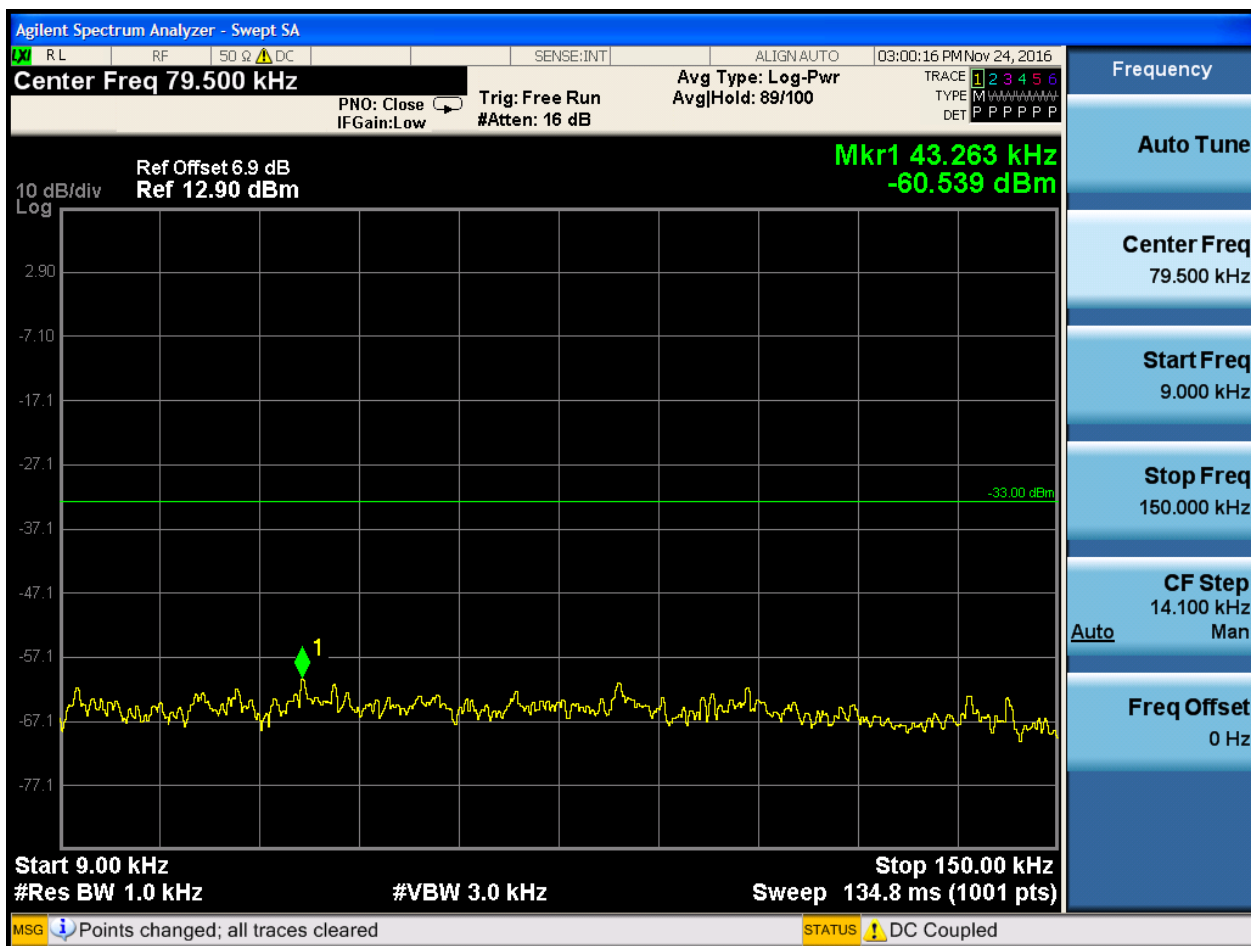


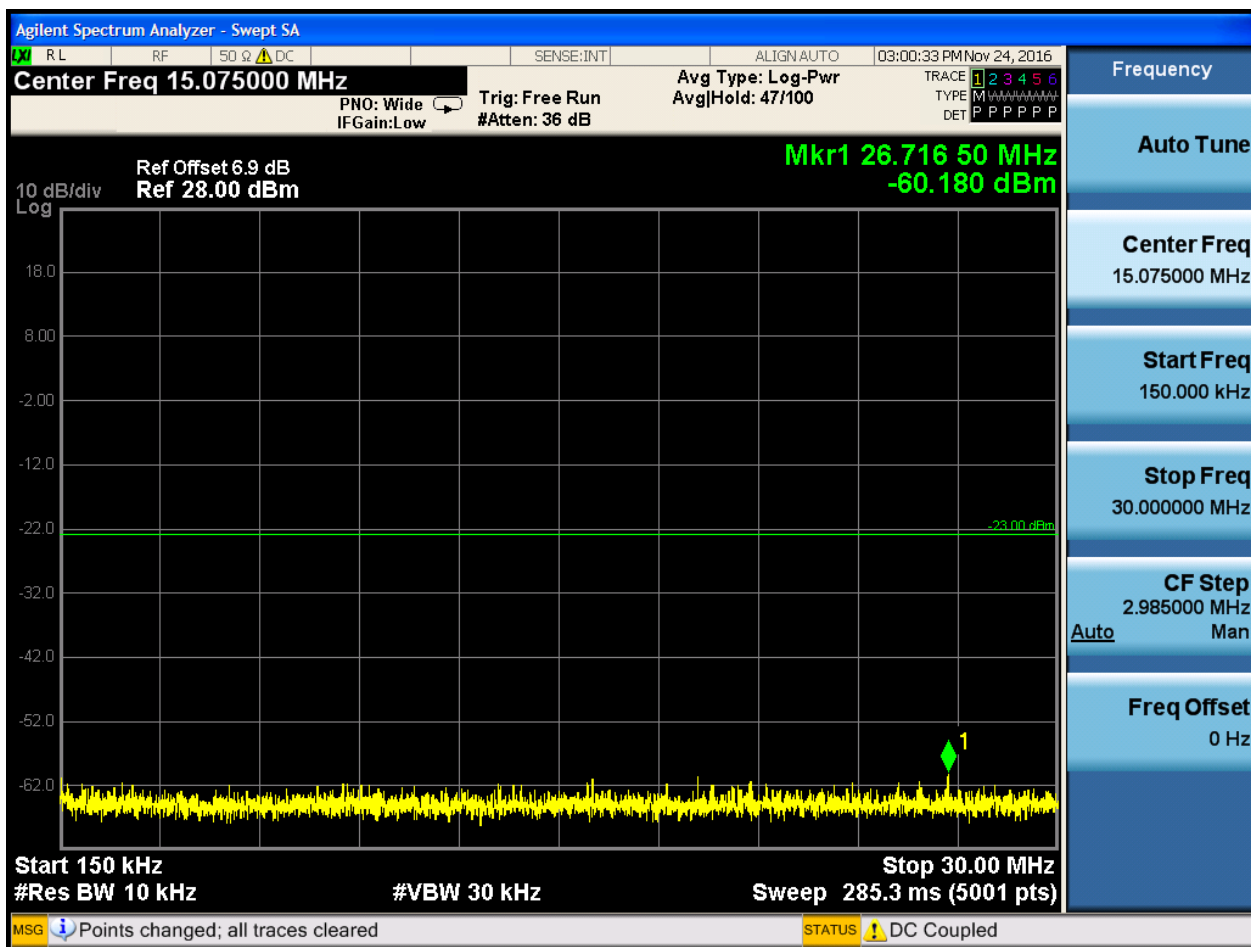


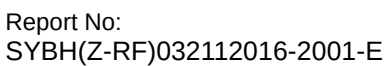


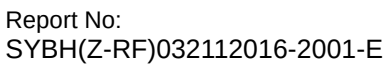
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





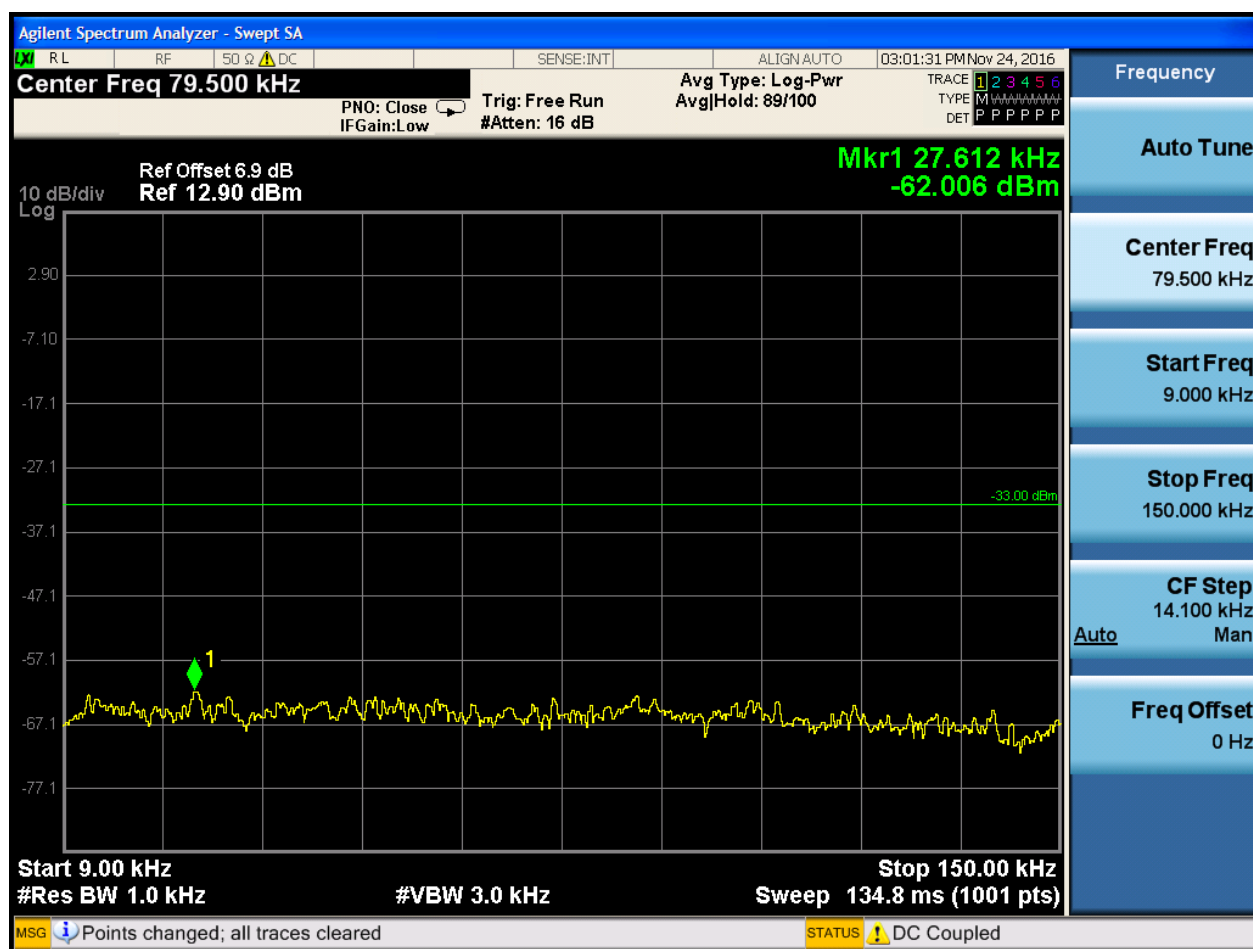


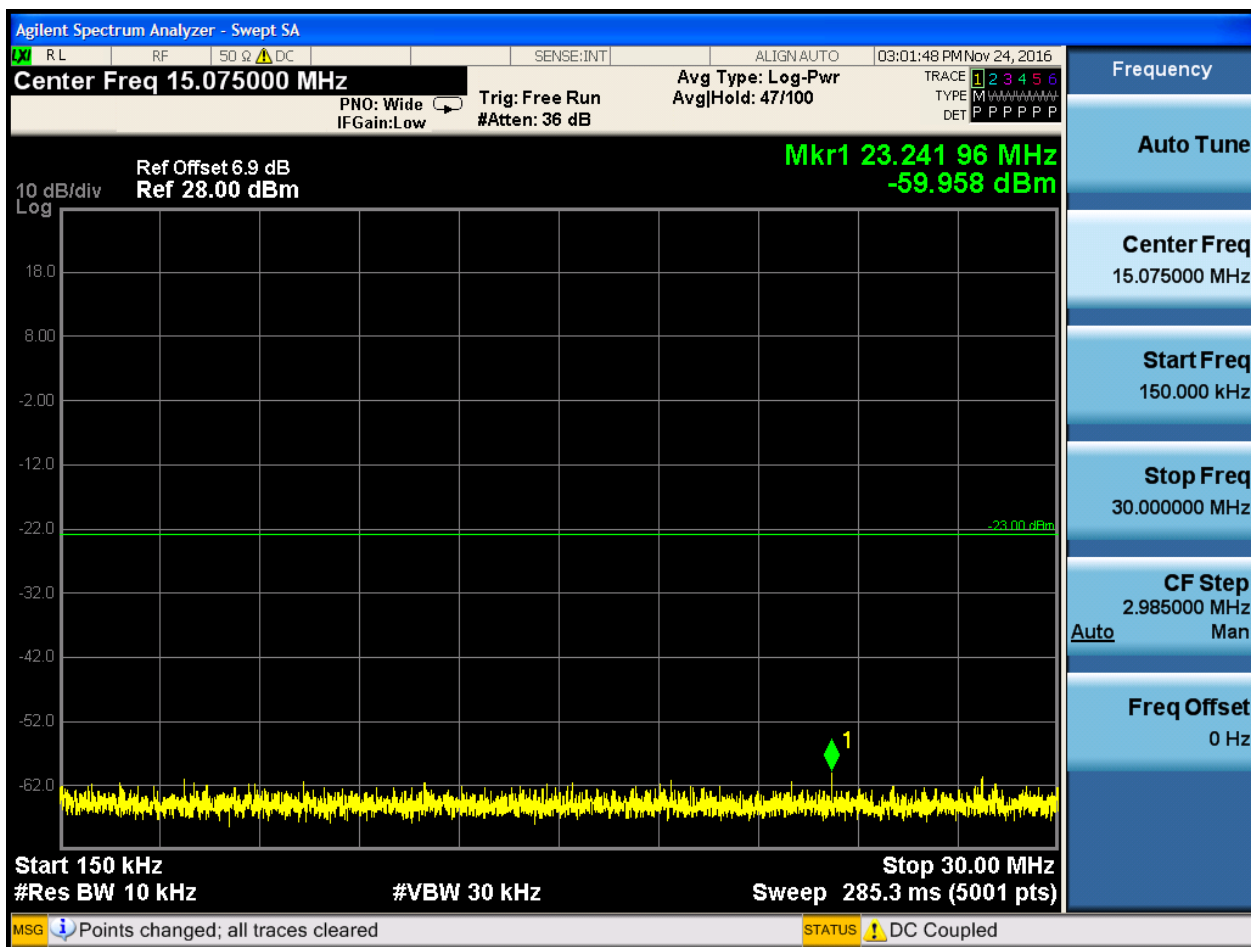


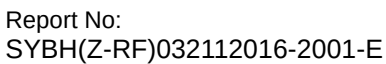
6.1.1.2.2 Test Bandwidth = 3

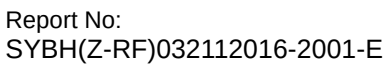
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





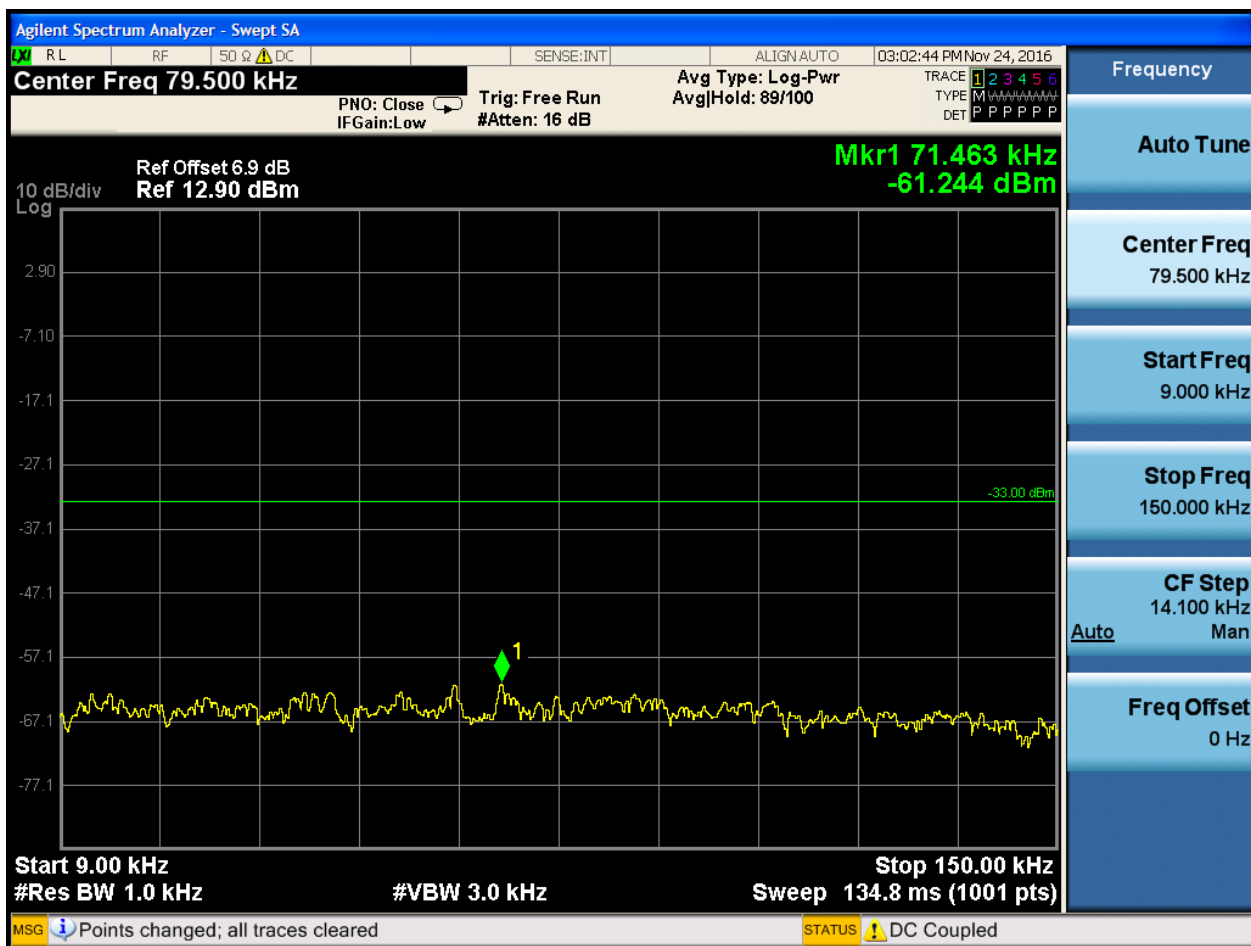


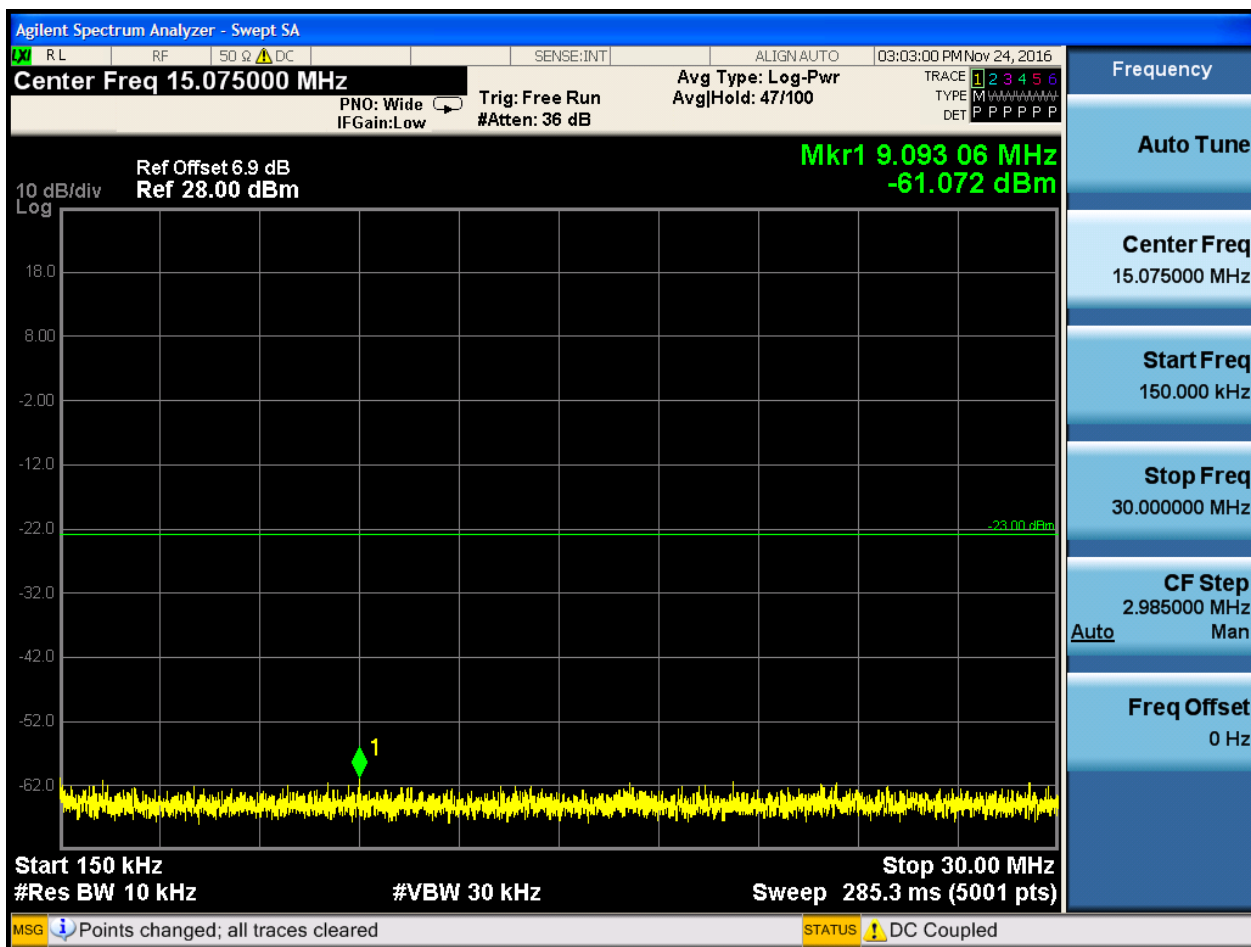


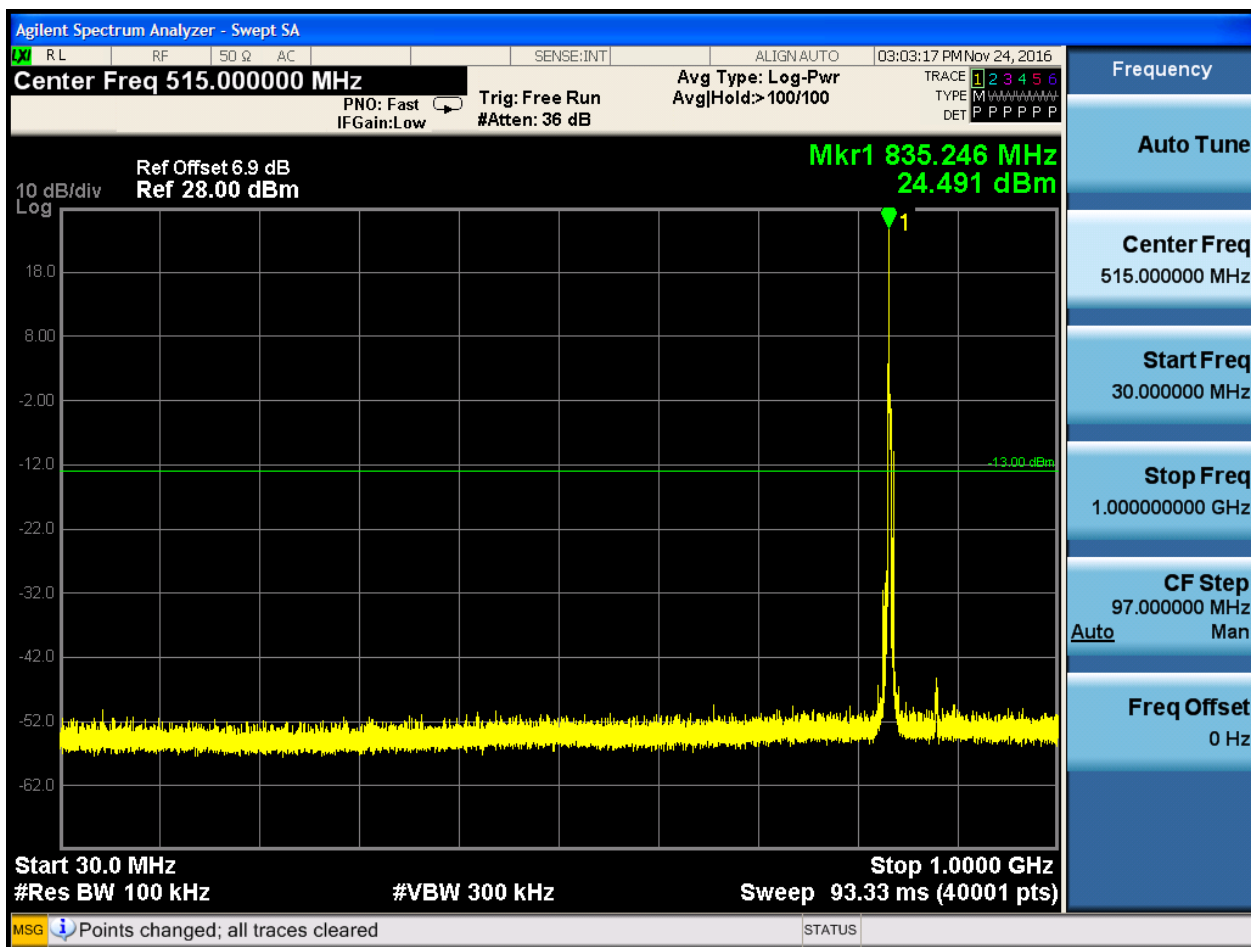


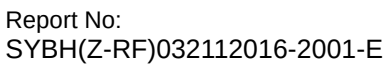
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



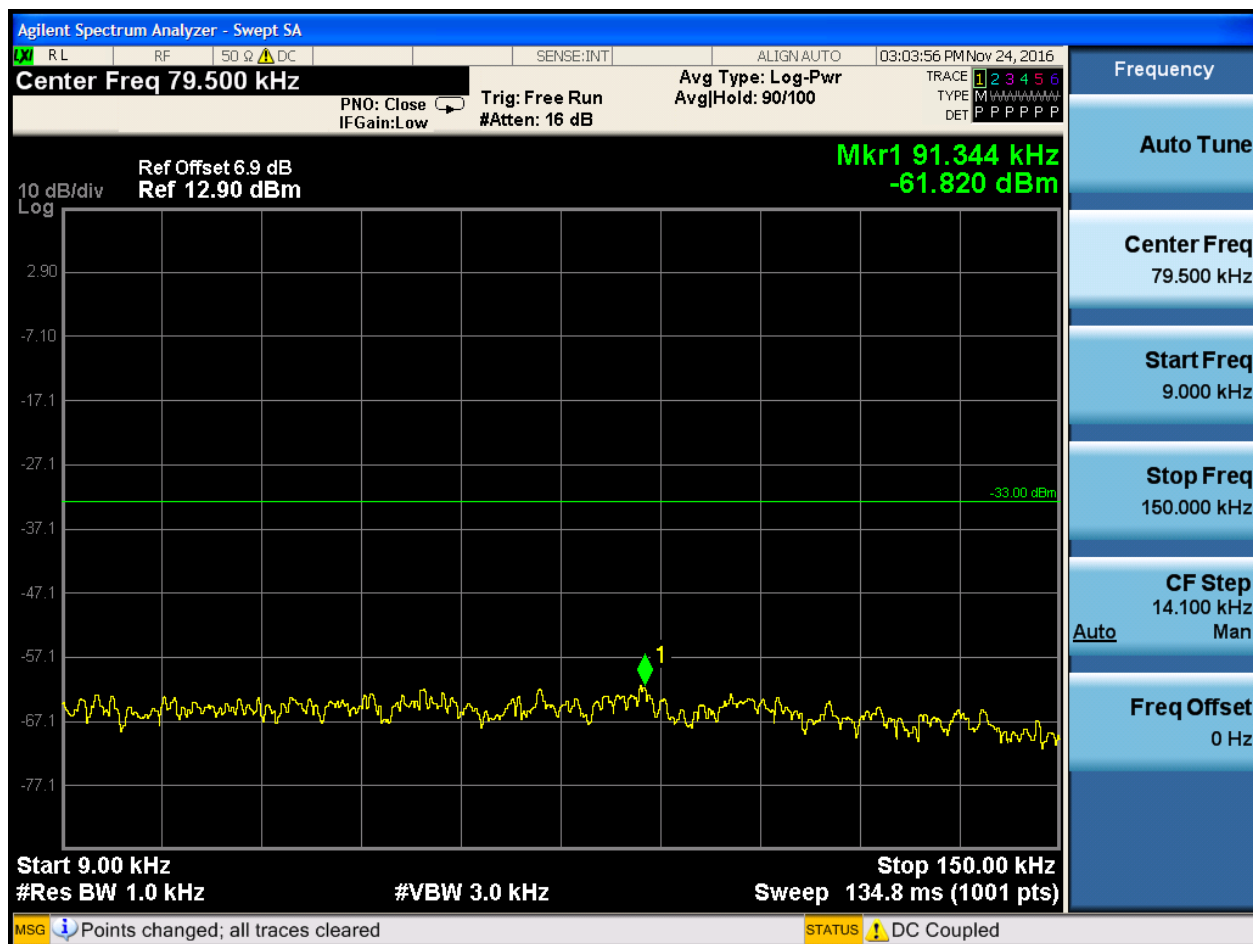


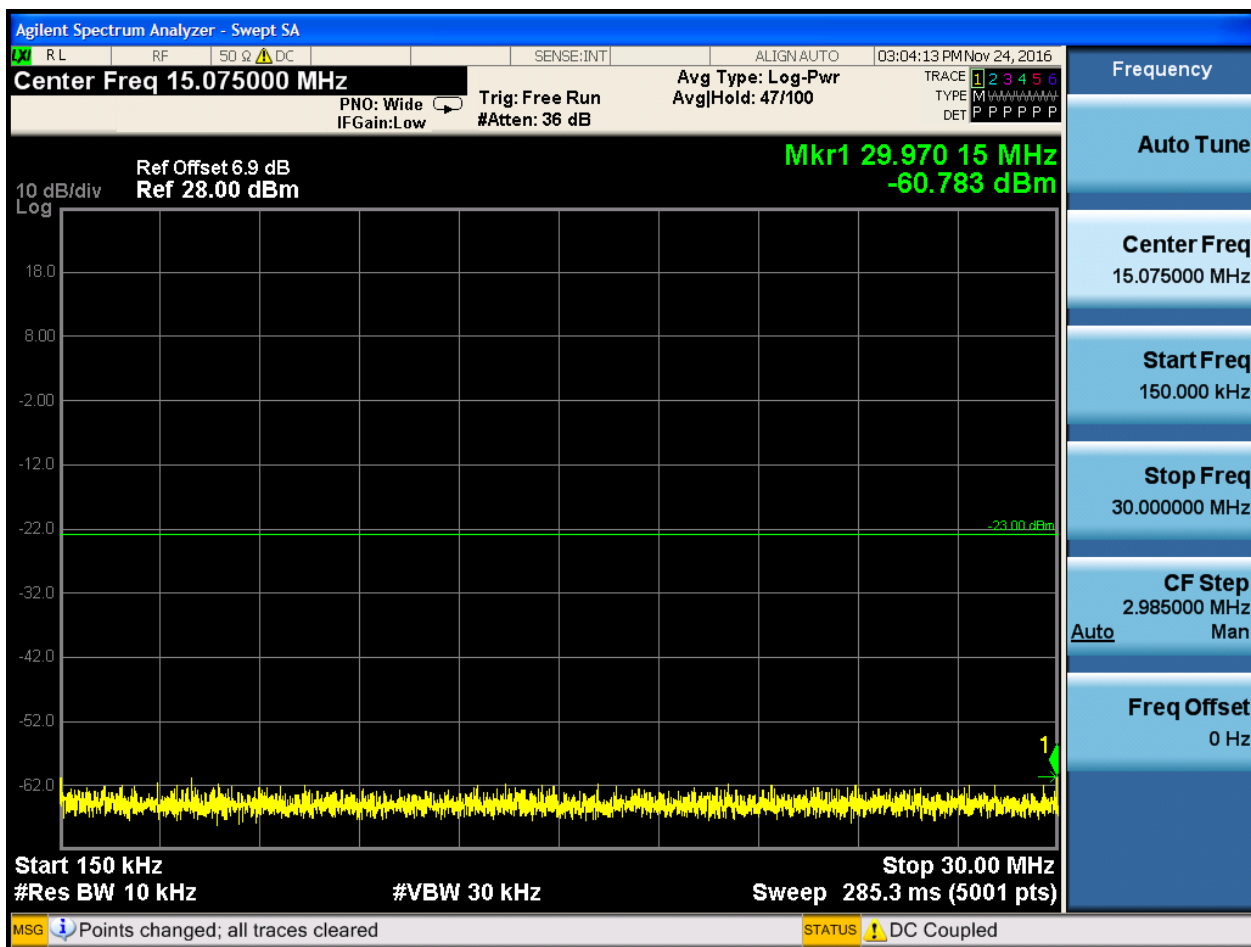


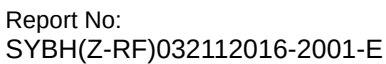


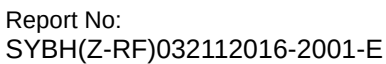
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







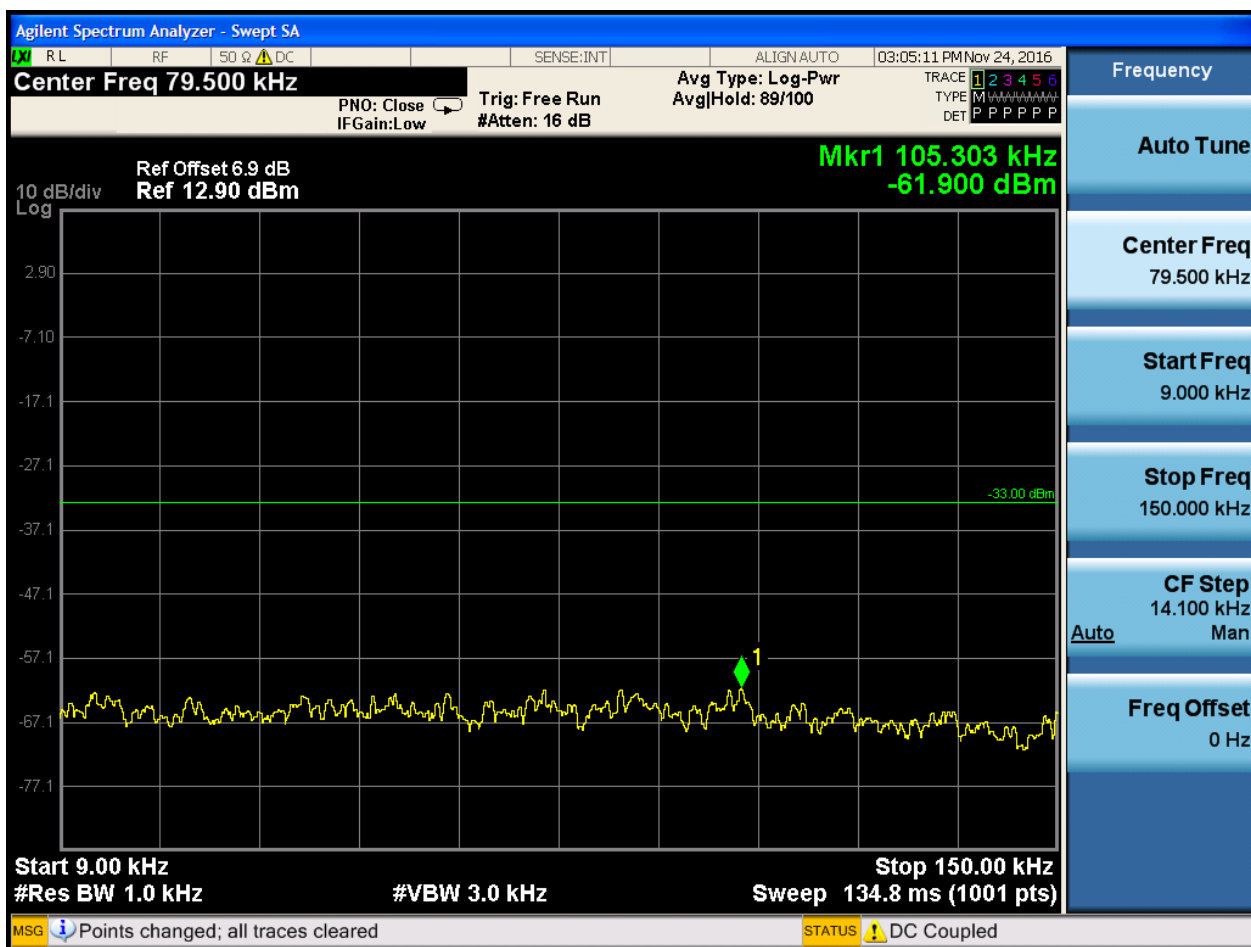


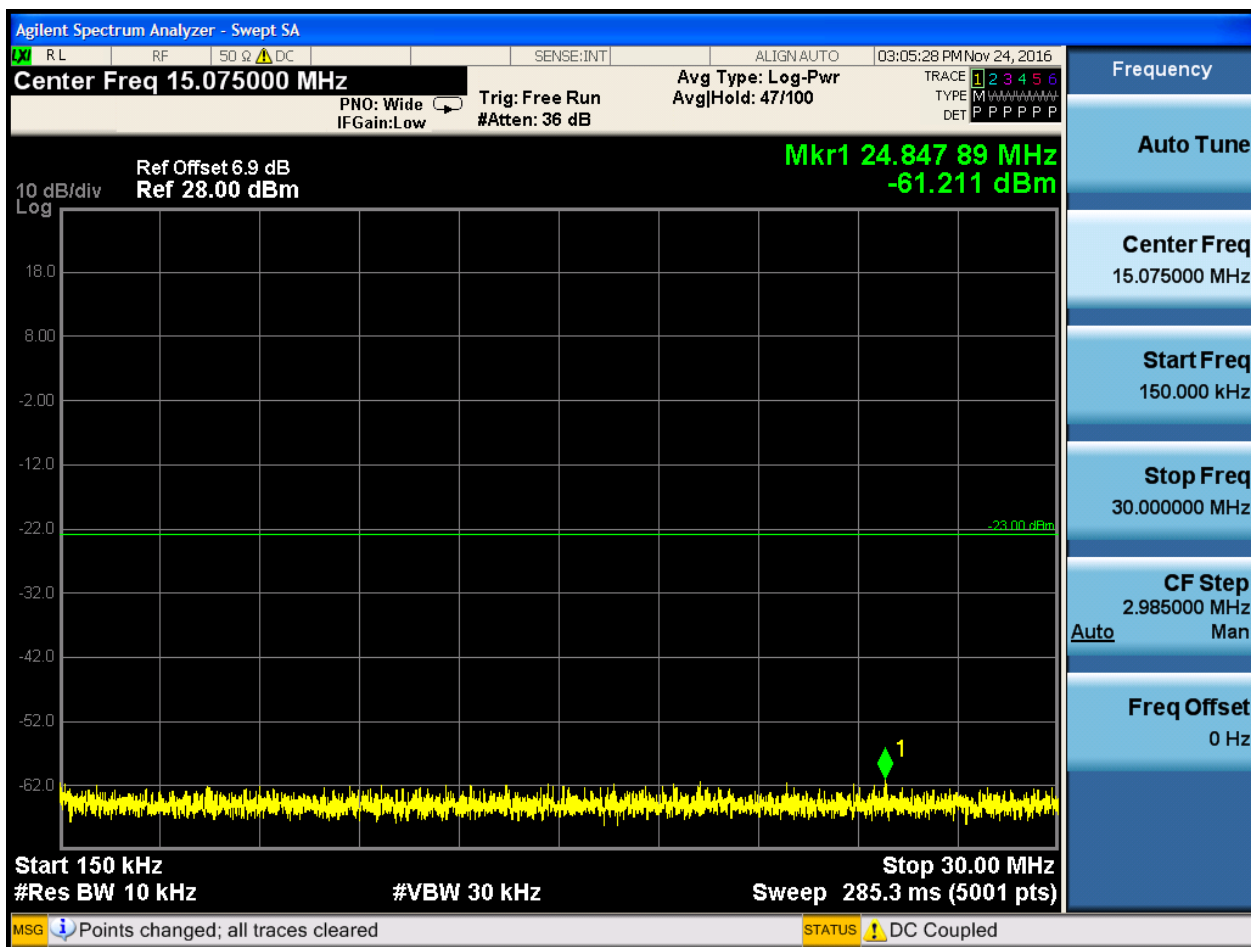


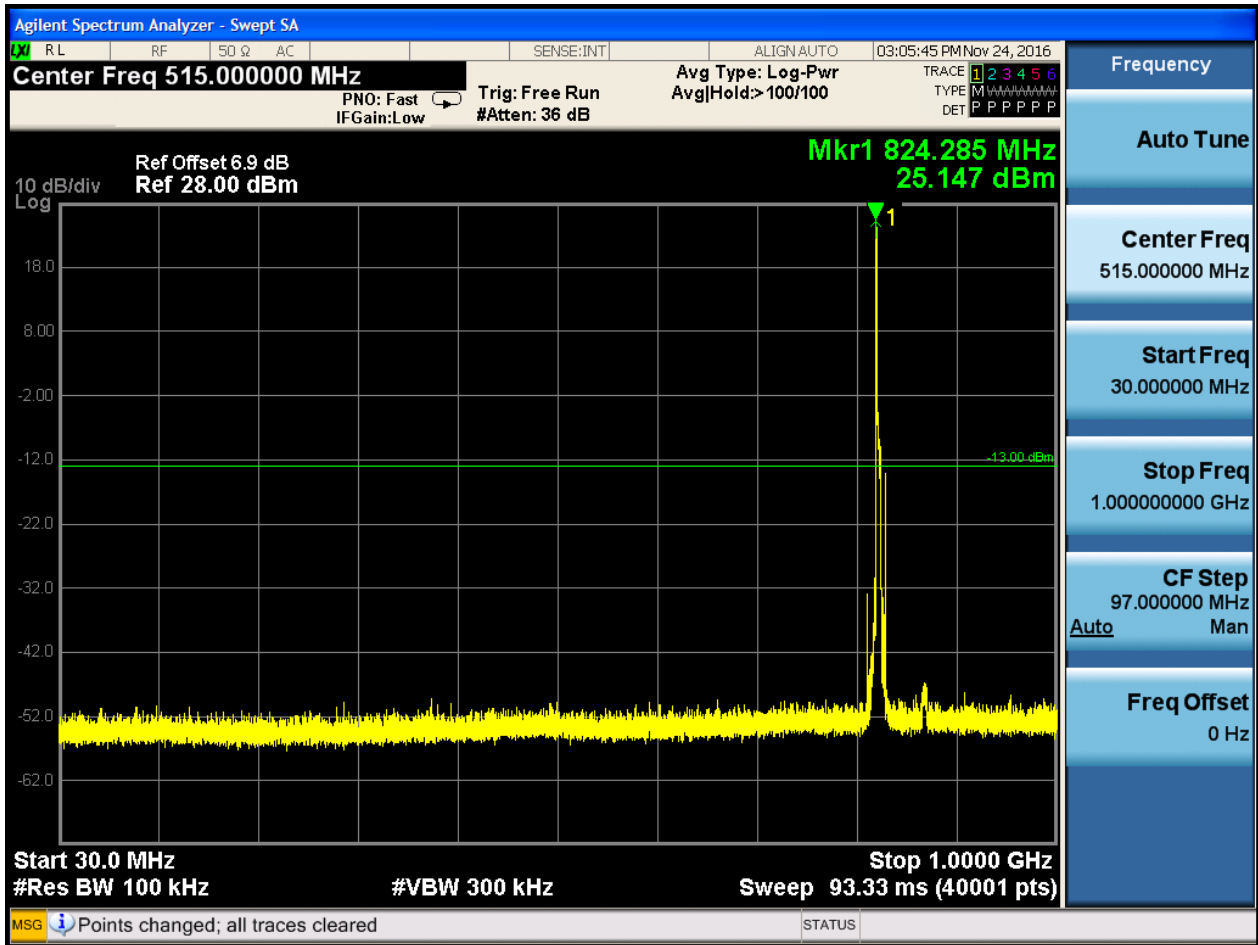
6.1.1.2.3 Test Bandwidth = 5

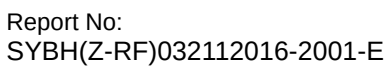
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





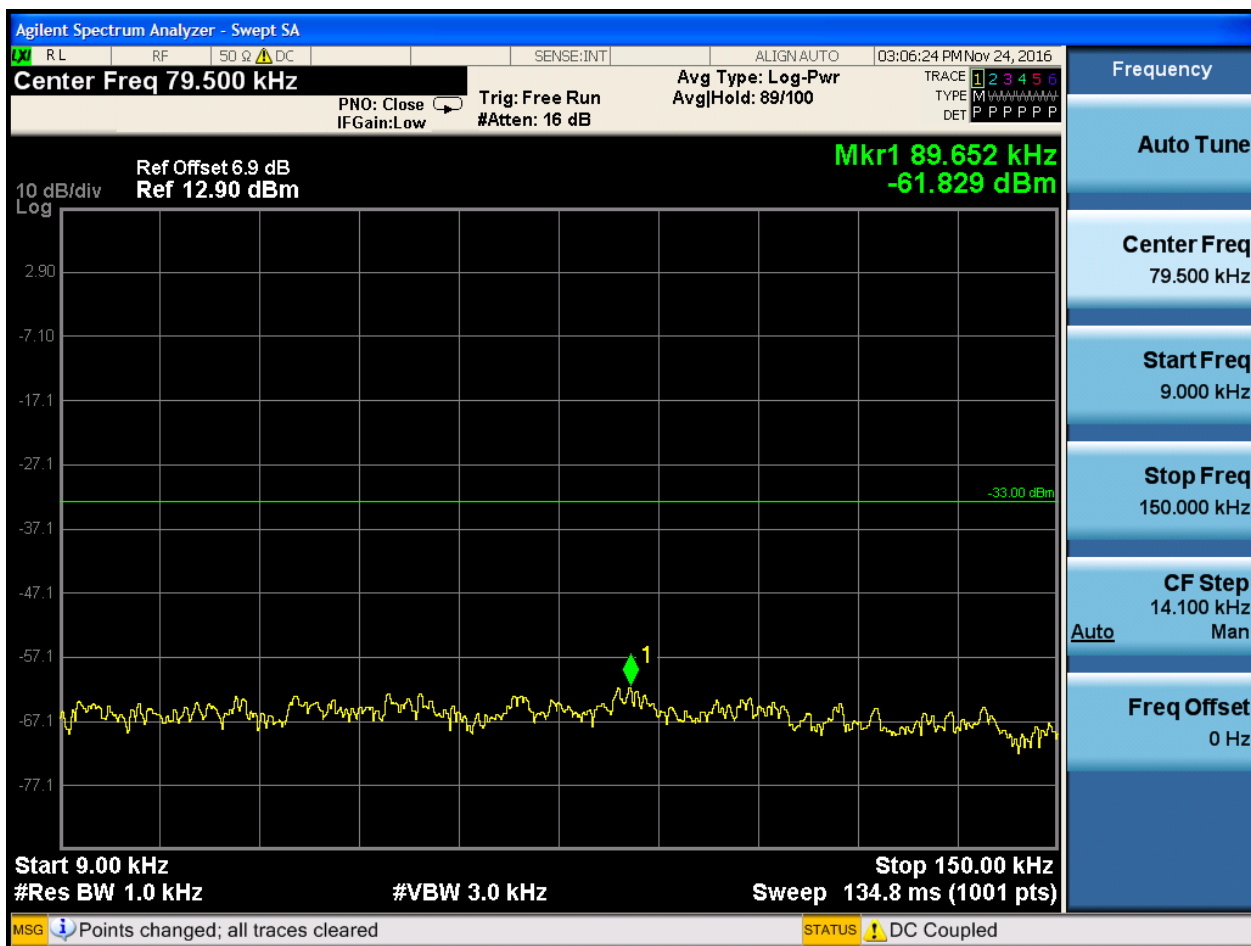


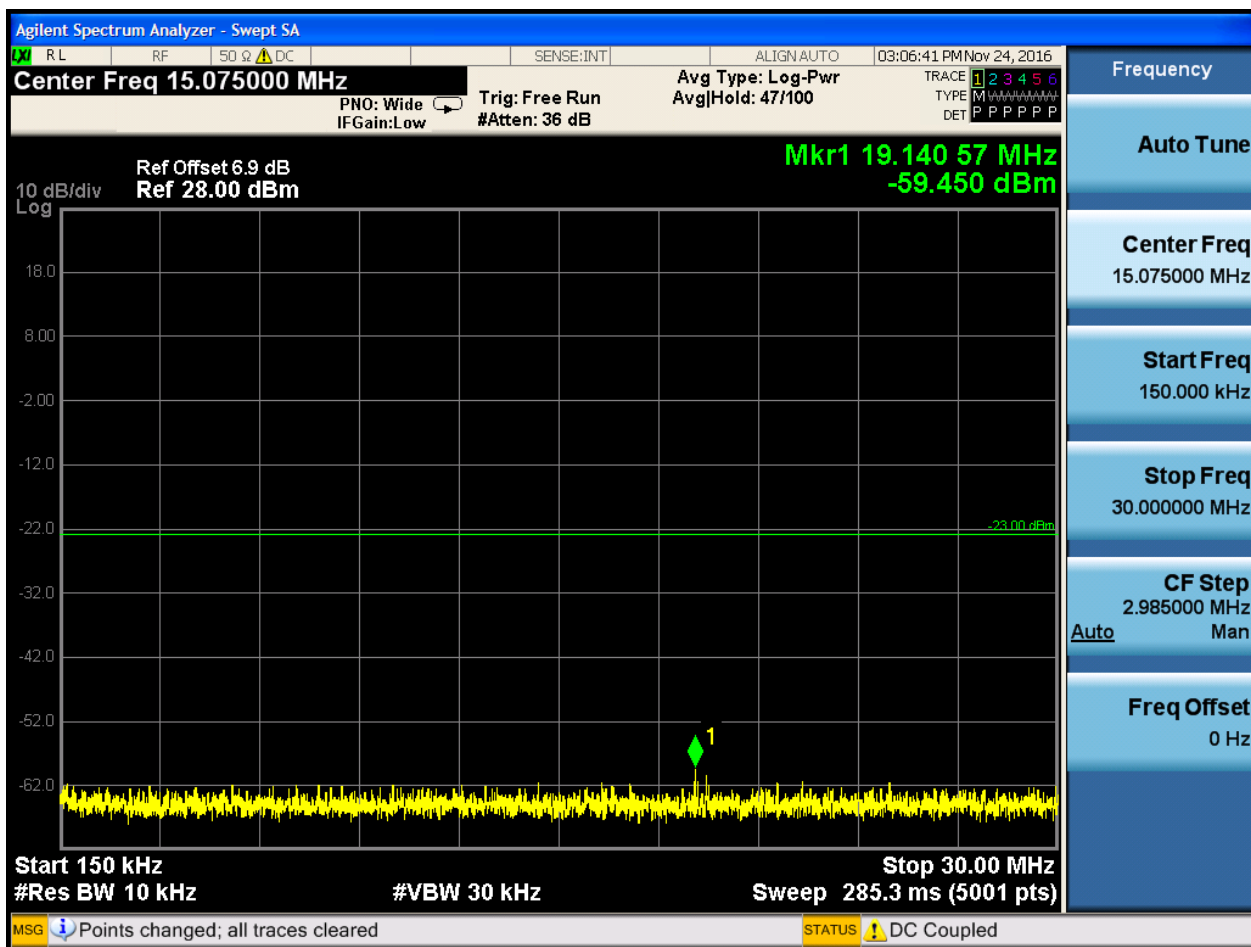


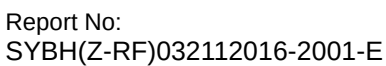


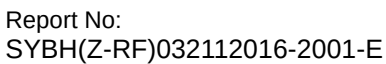
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





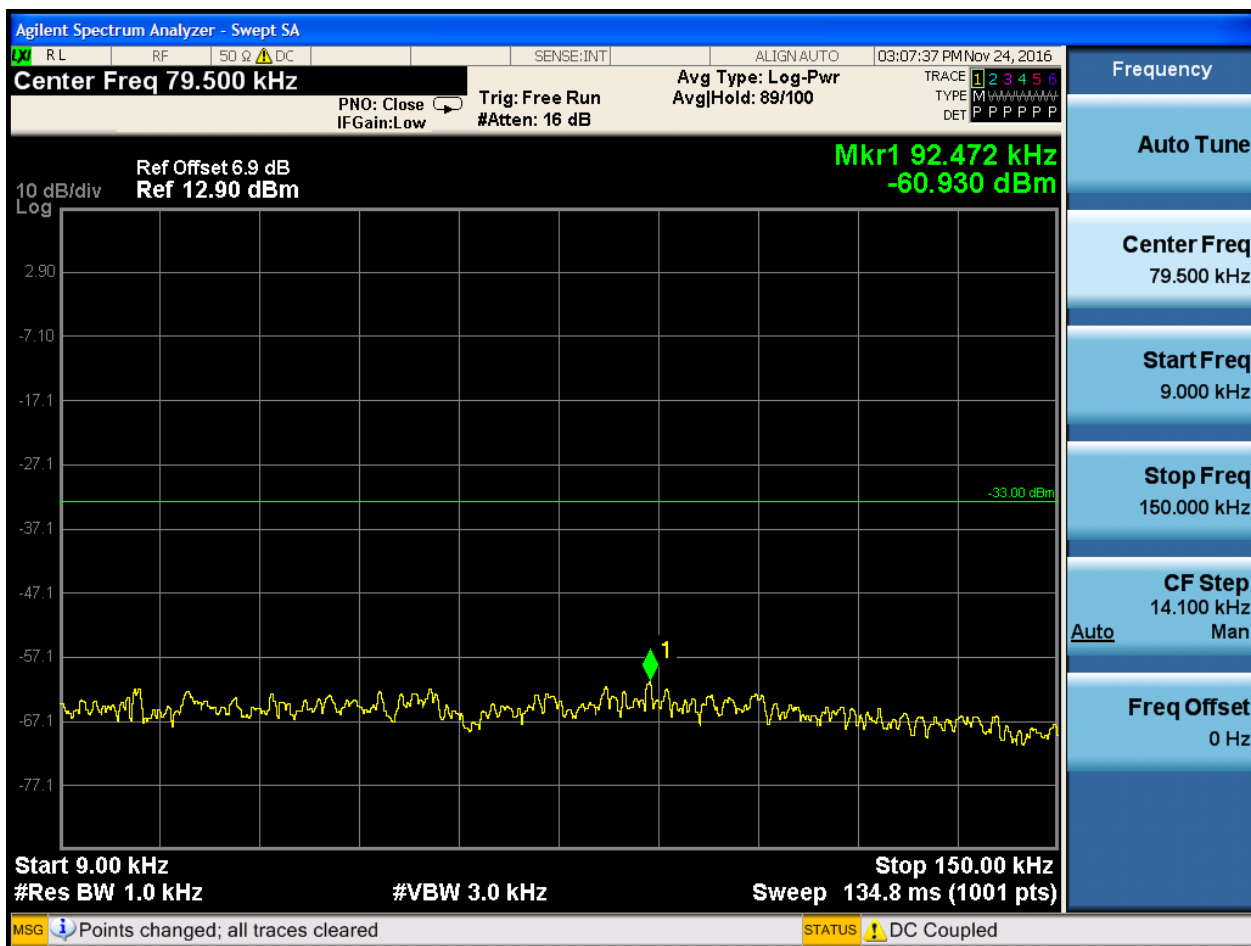


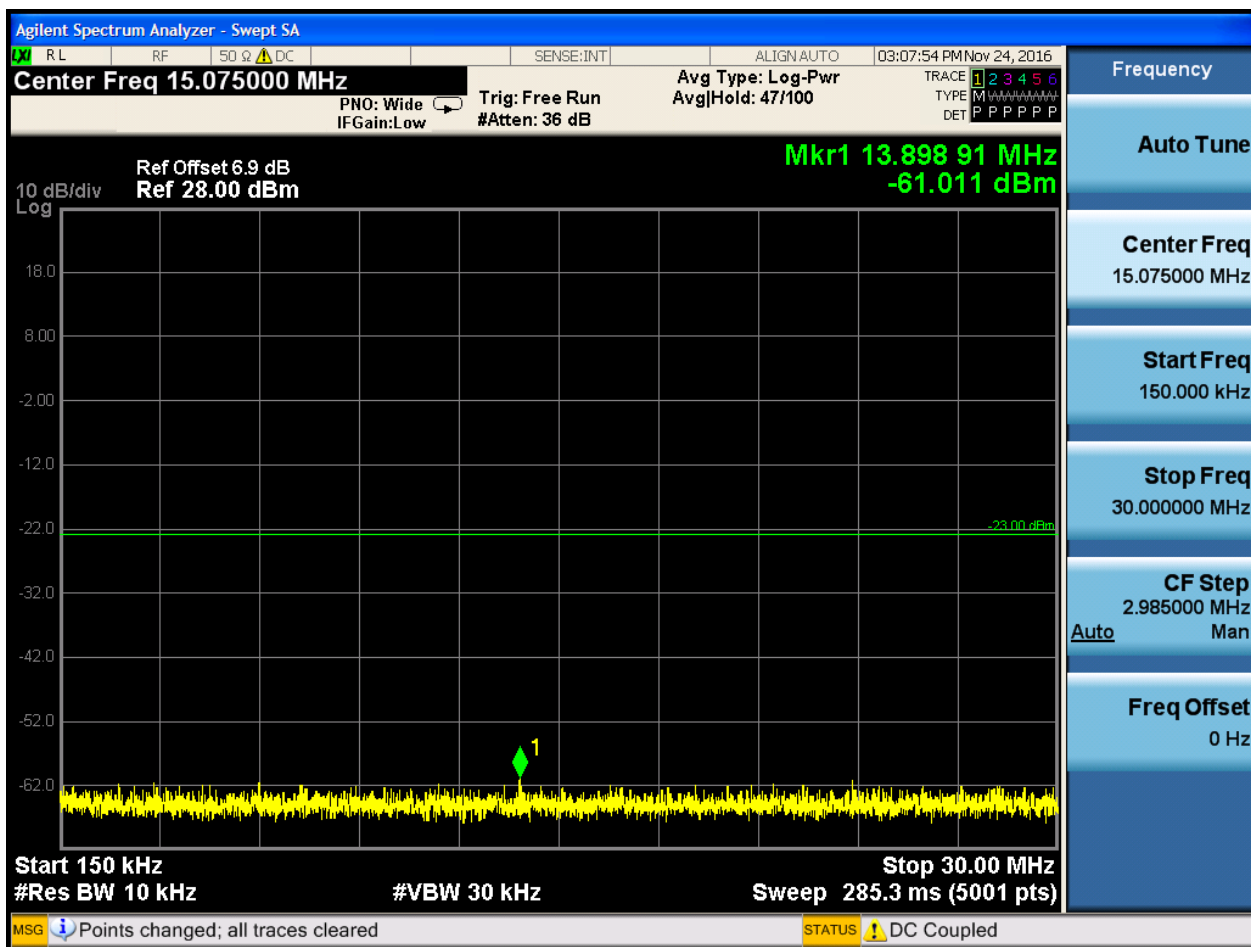


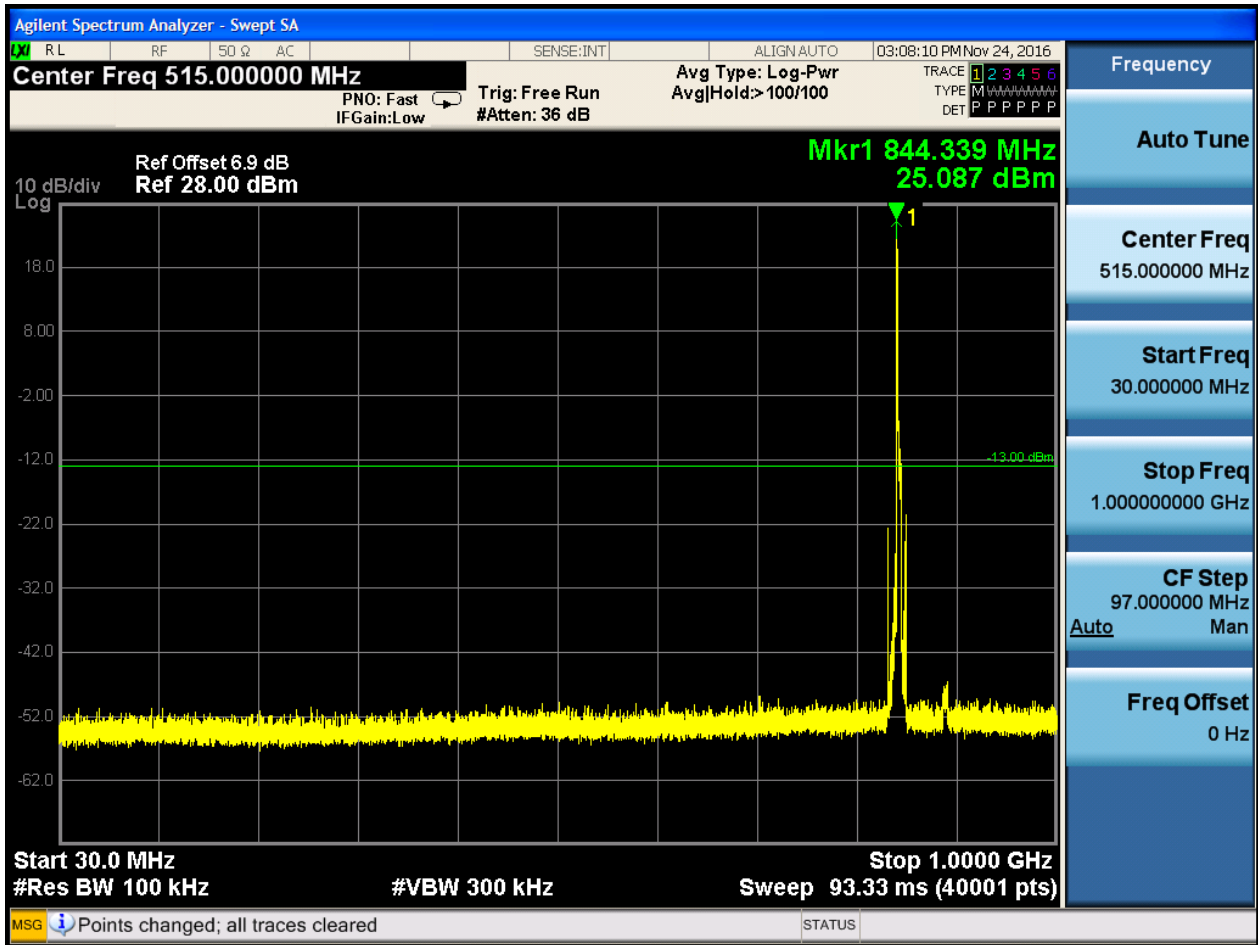


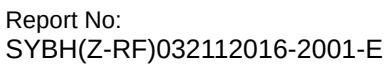
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





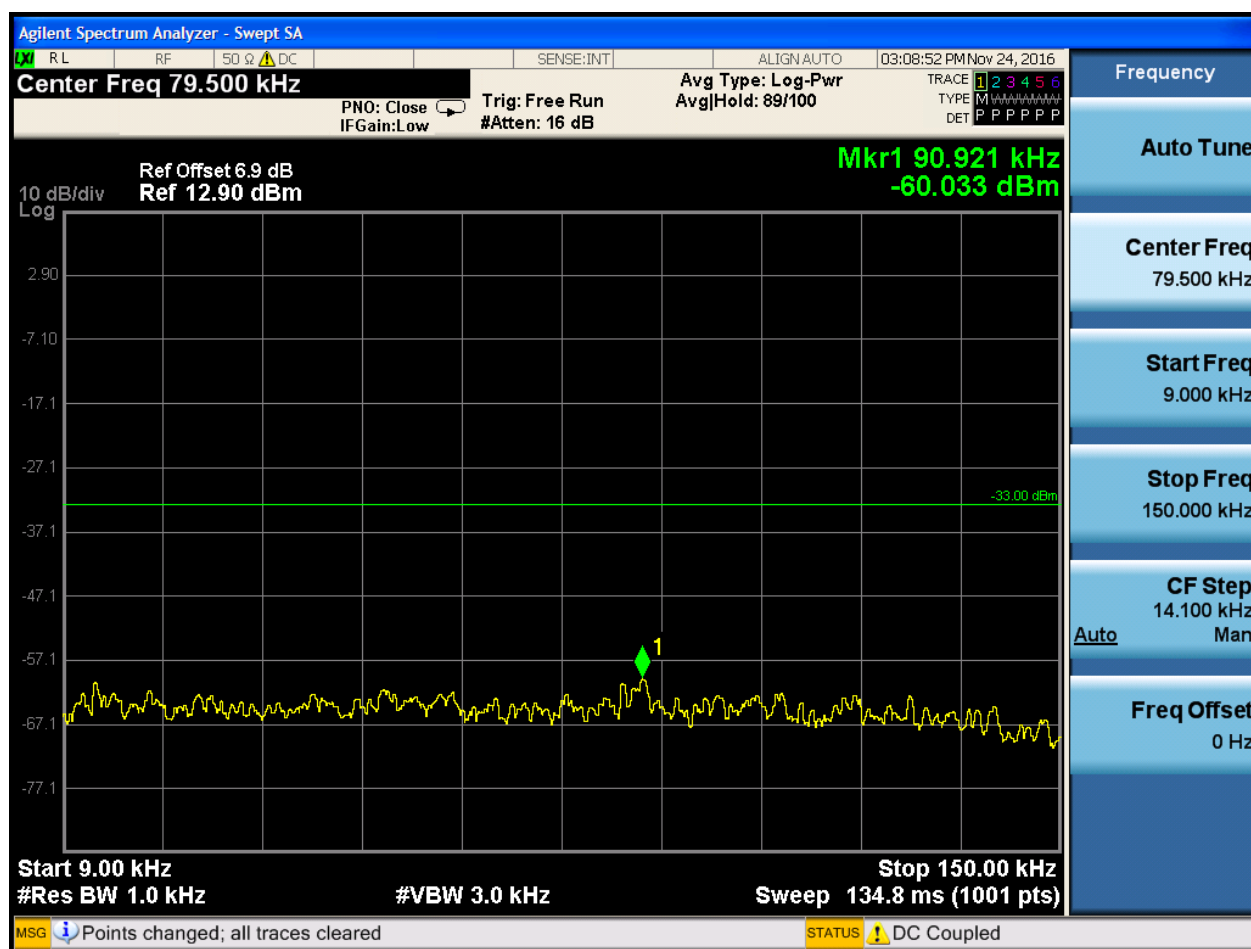


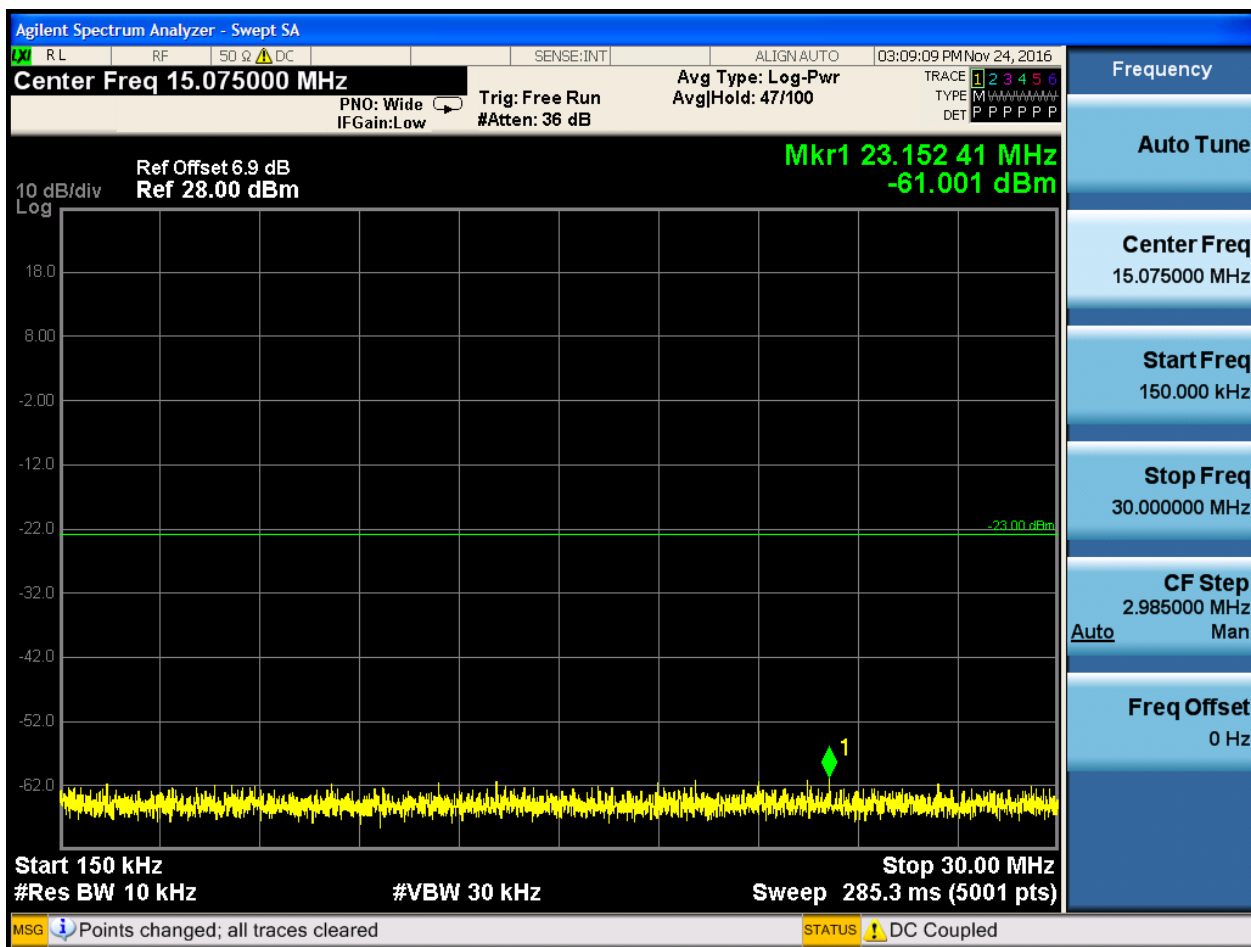


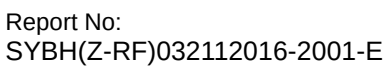
6.1.1.2.4 Test Bandwidth = 10

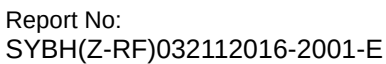
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





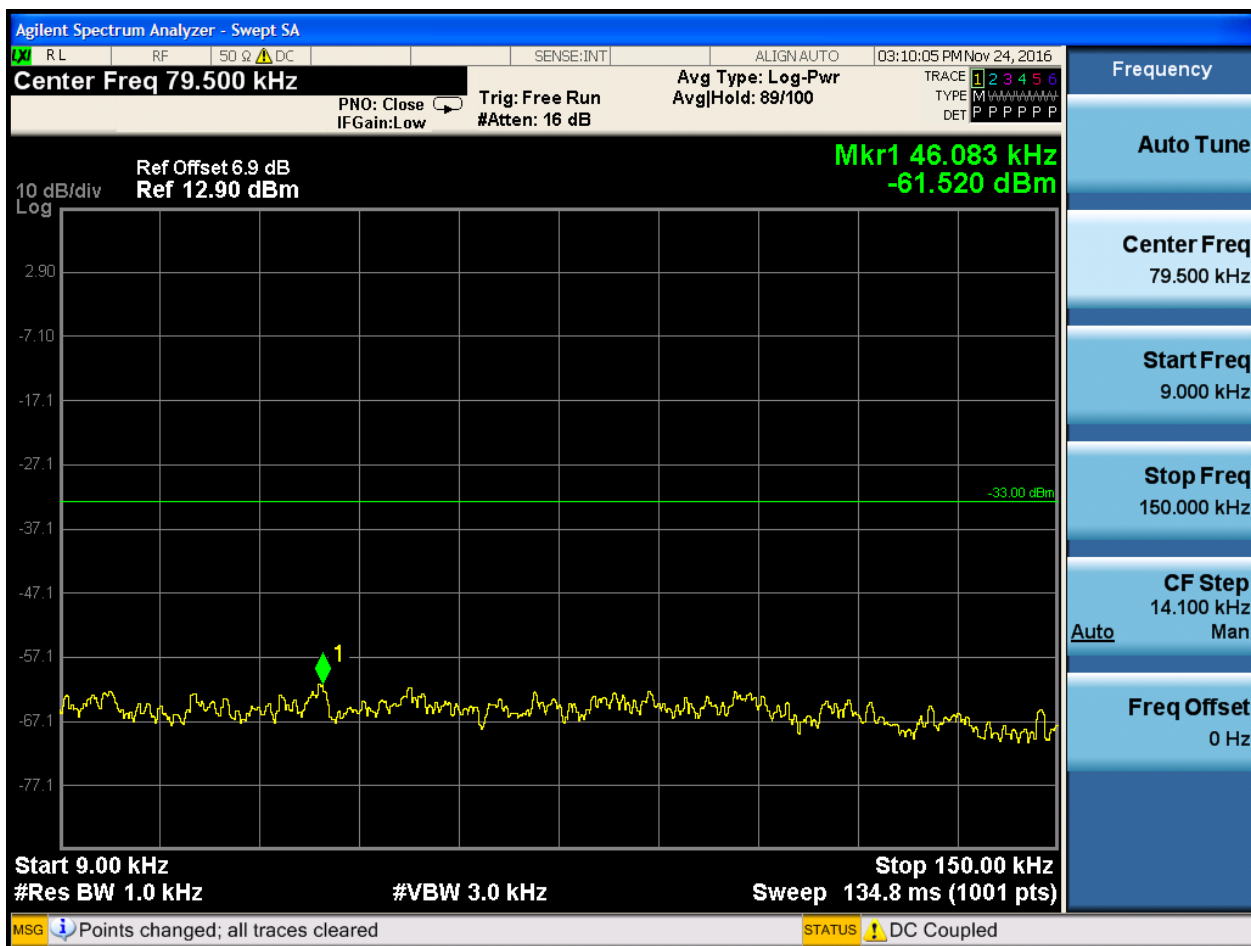


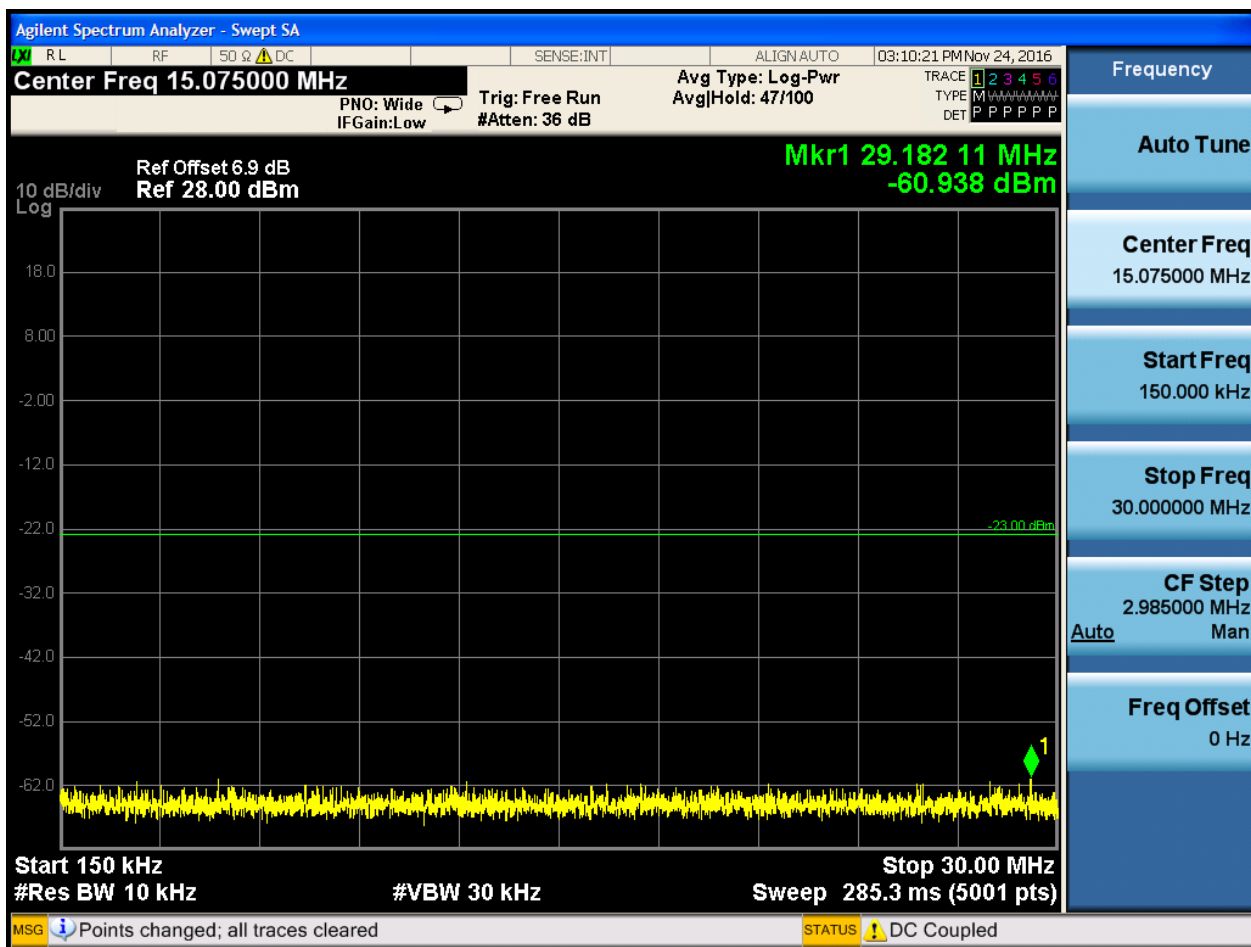


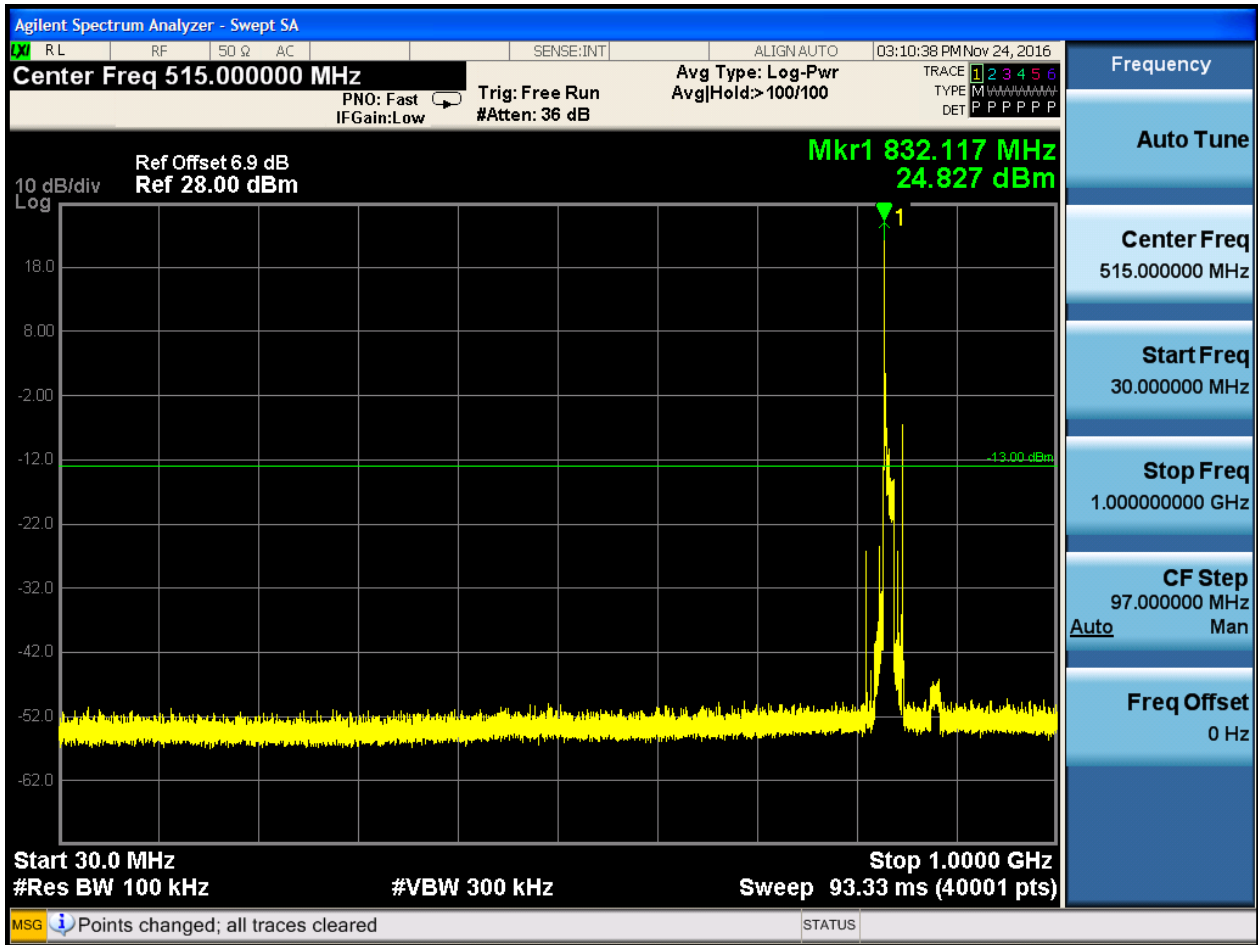


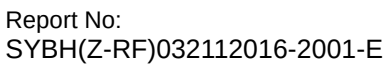
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





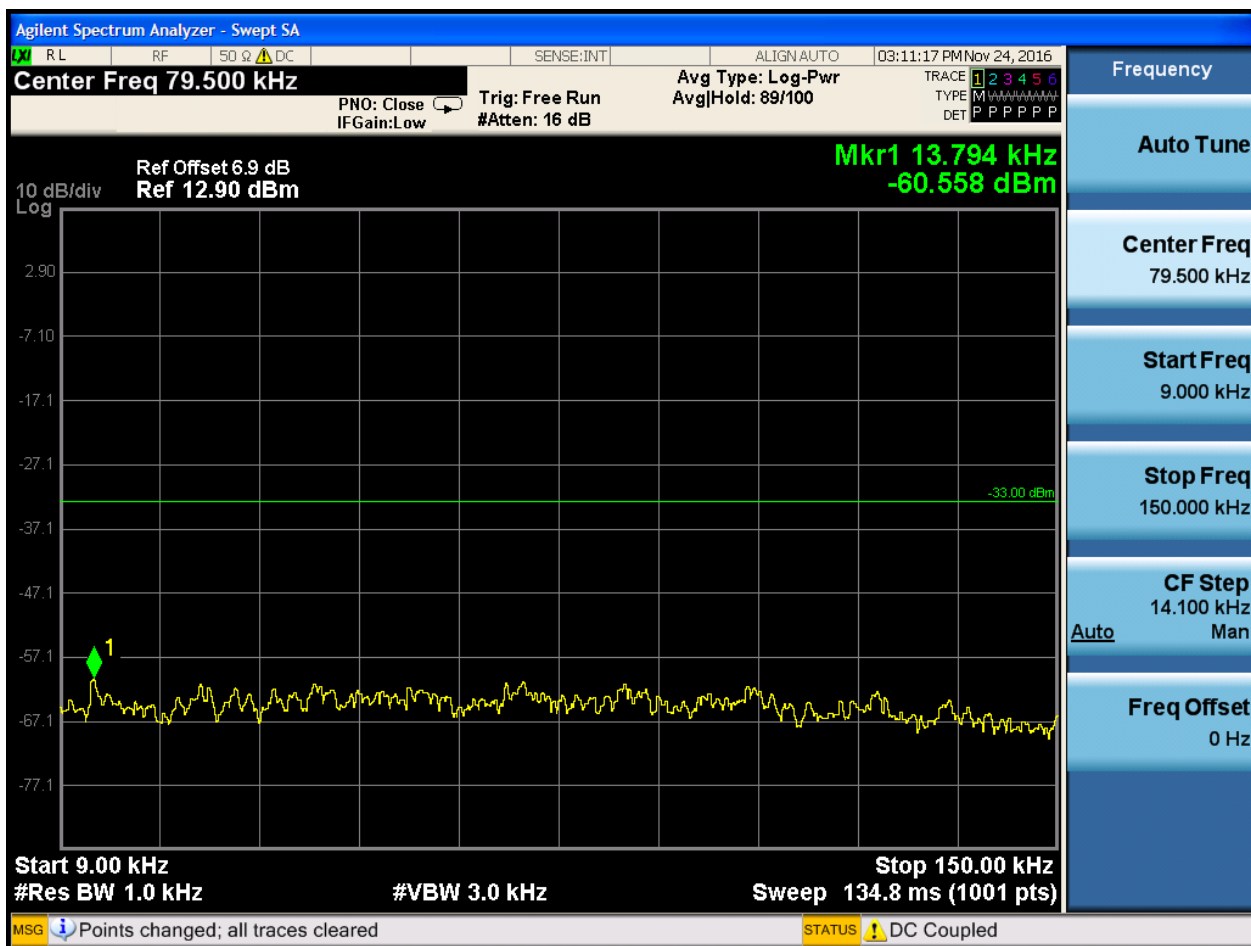


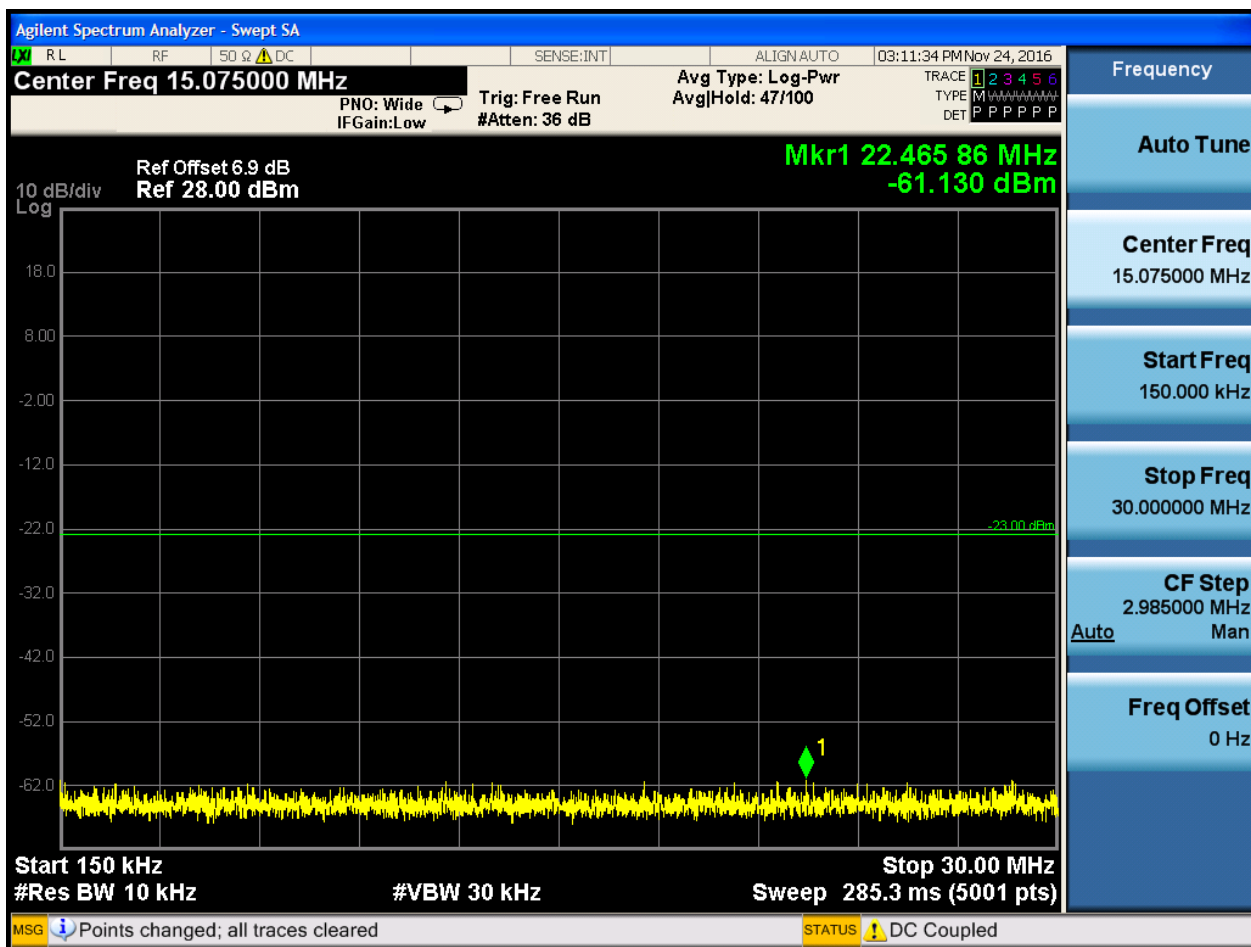


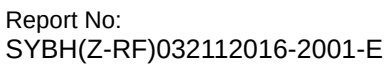


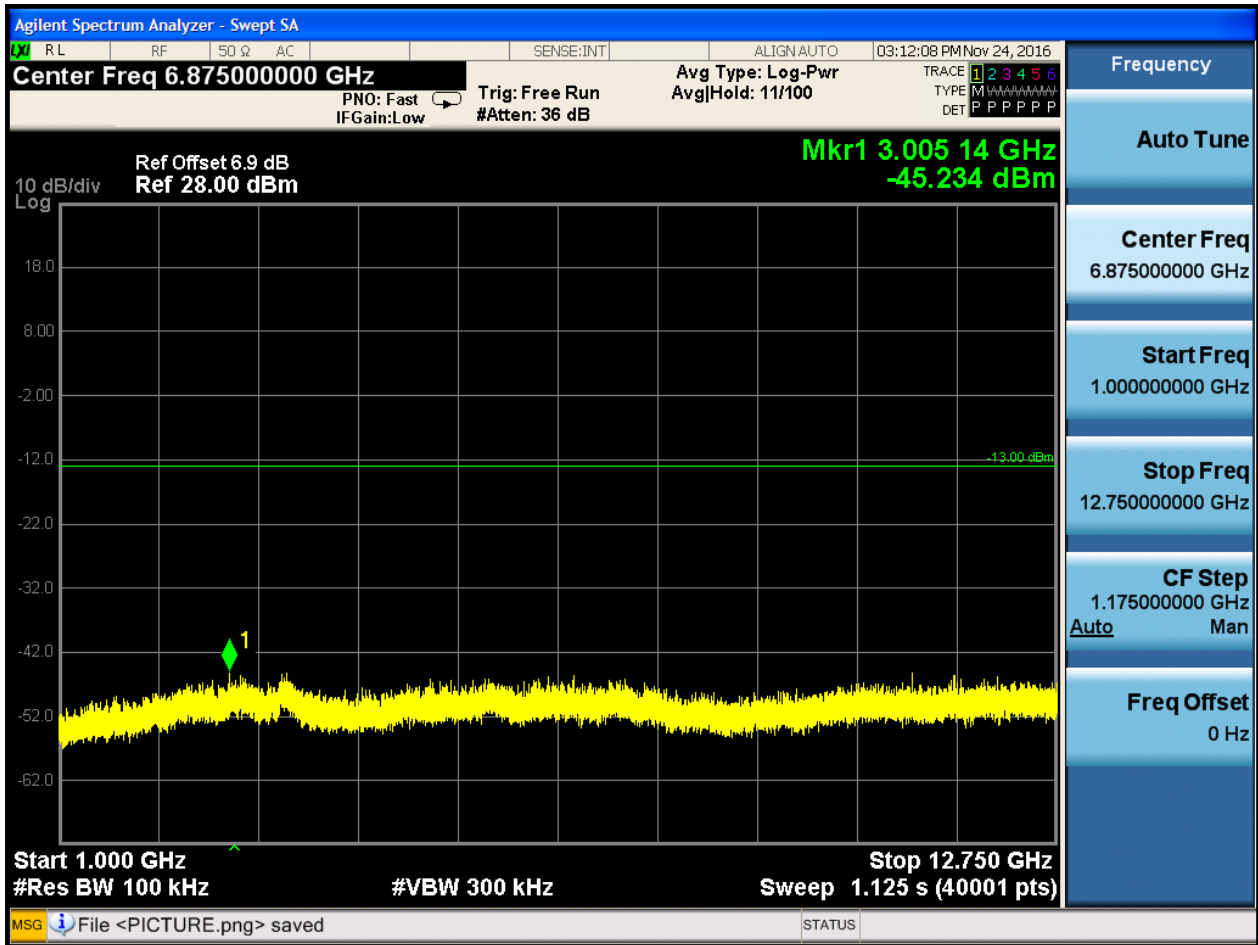
6.1.1.2.4.3 Test Channel = HCH

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

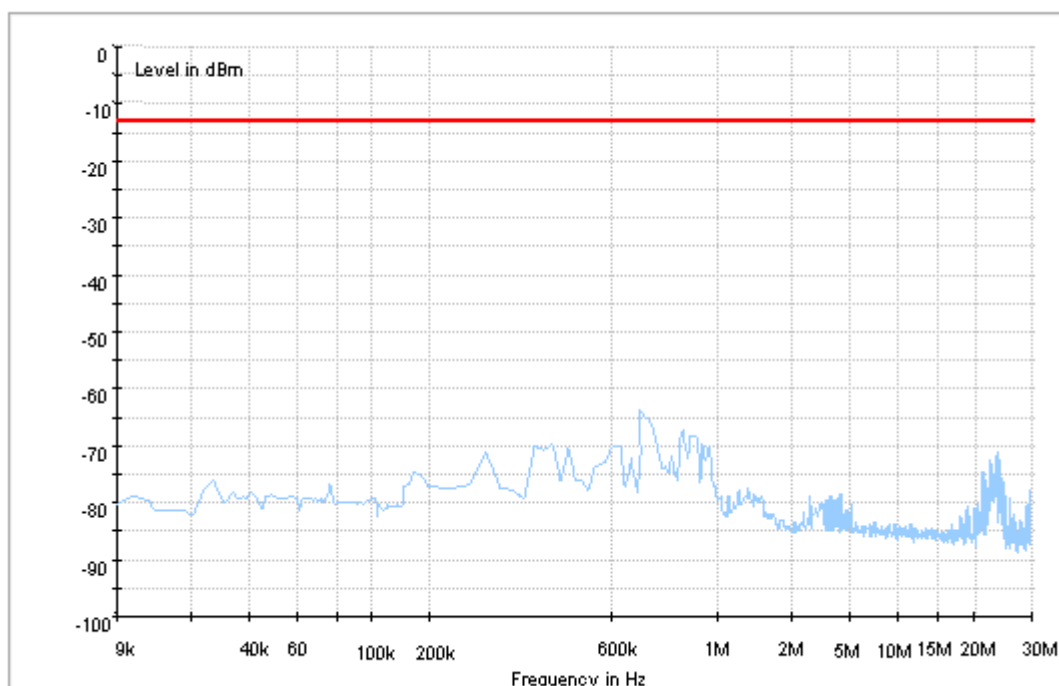
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

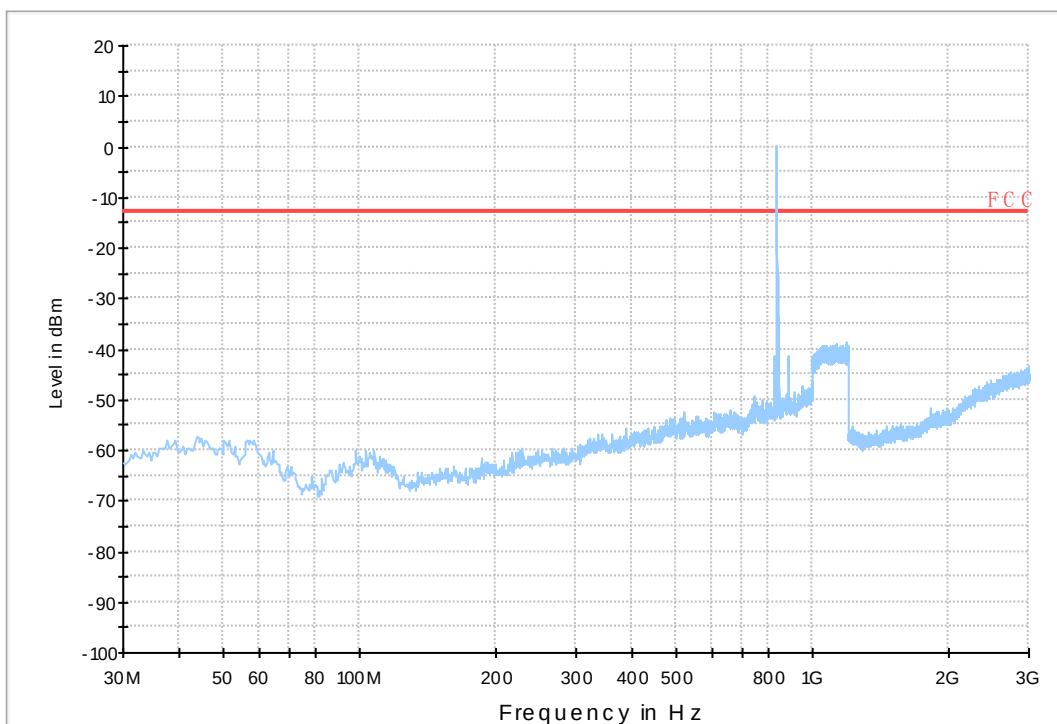
7.1 For LTE

7.1.1 Test Band = BAND5_Ant1

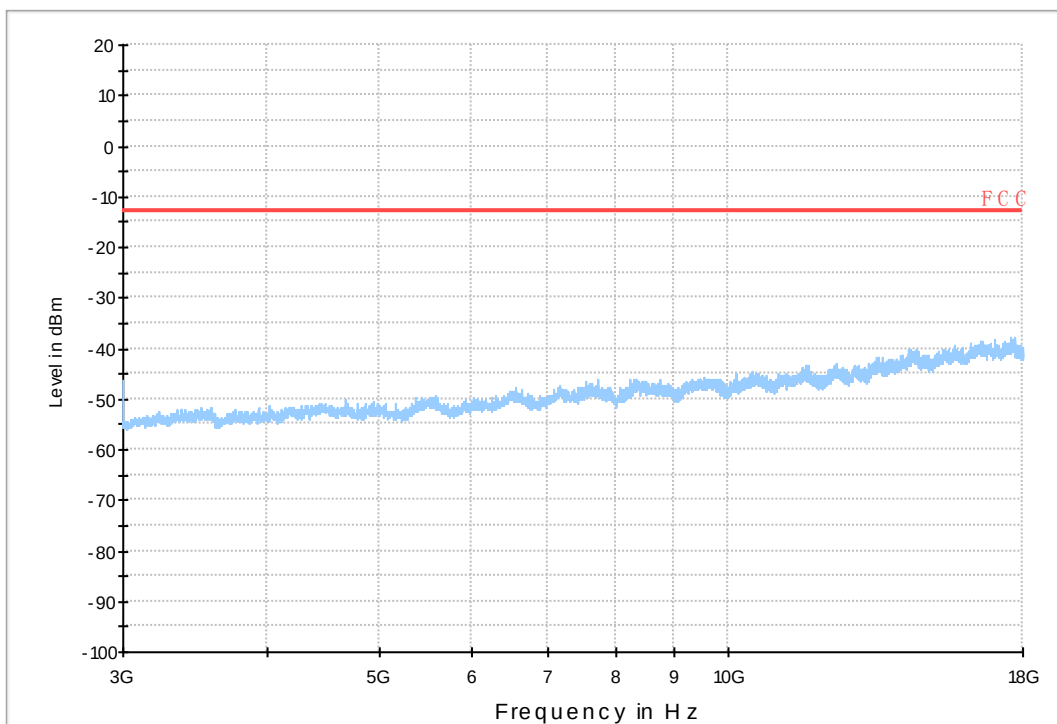
7.1.1.1 Test Bandwidth = 1.4



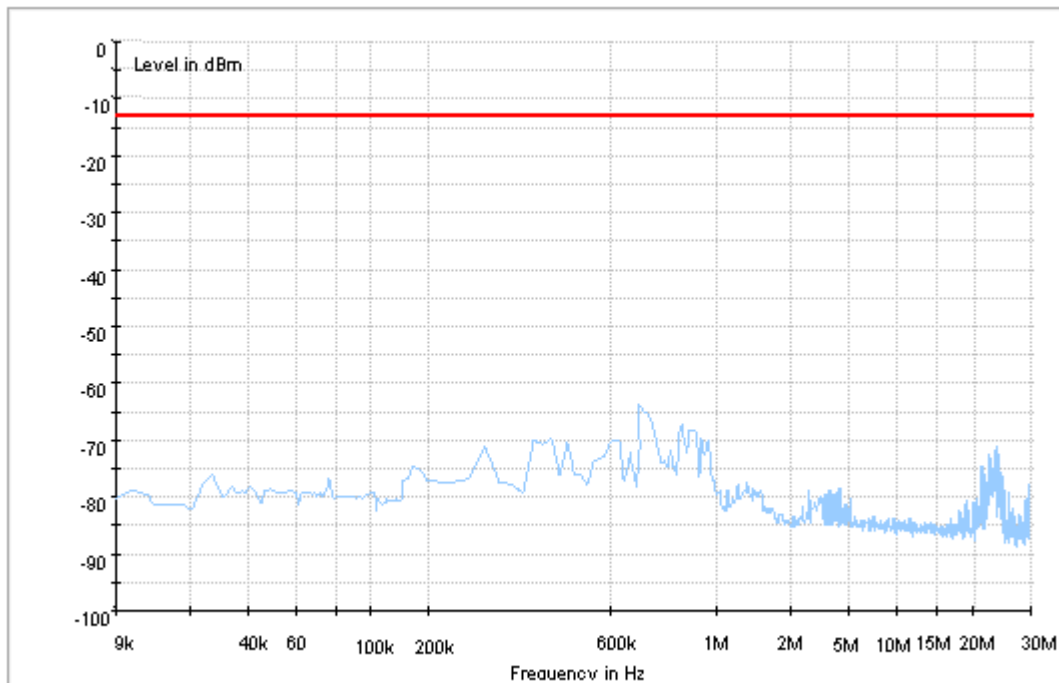
Copy of RSE-TX-DIRECTOR BELOW 1G_L



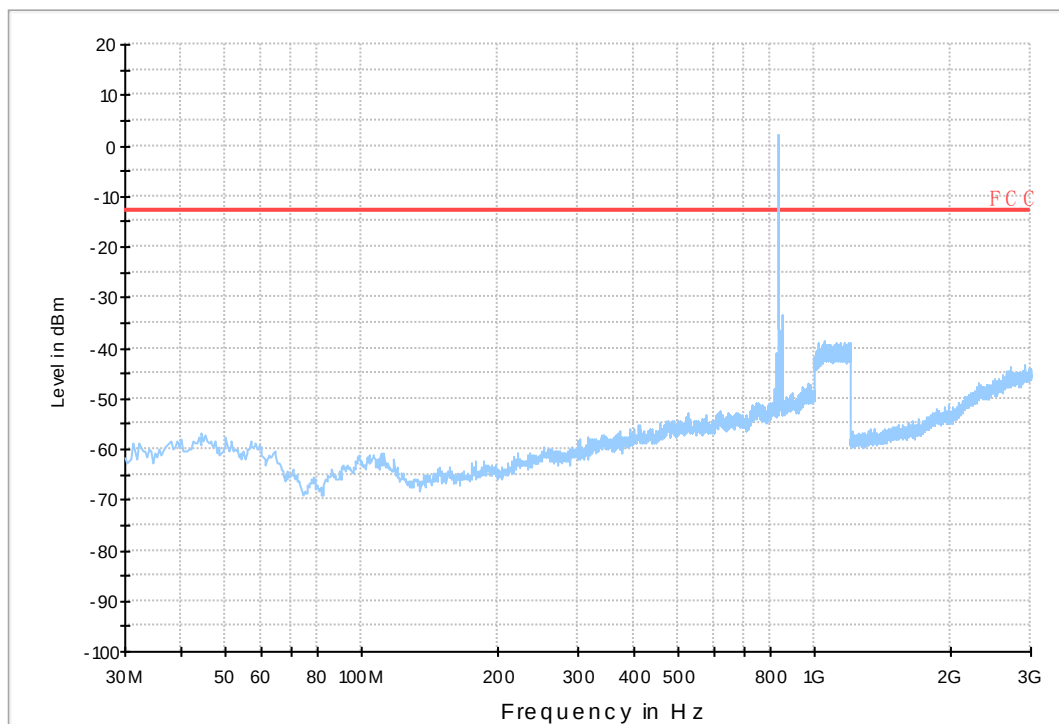
Copy of RSE-TX-DIRECTOR BELOW 1G_H



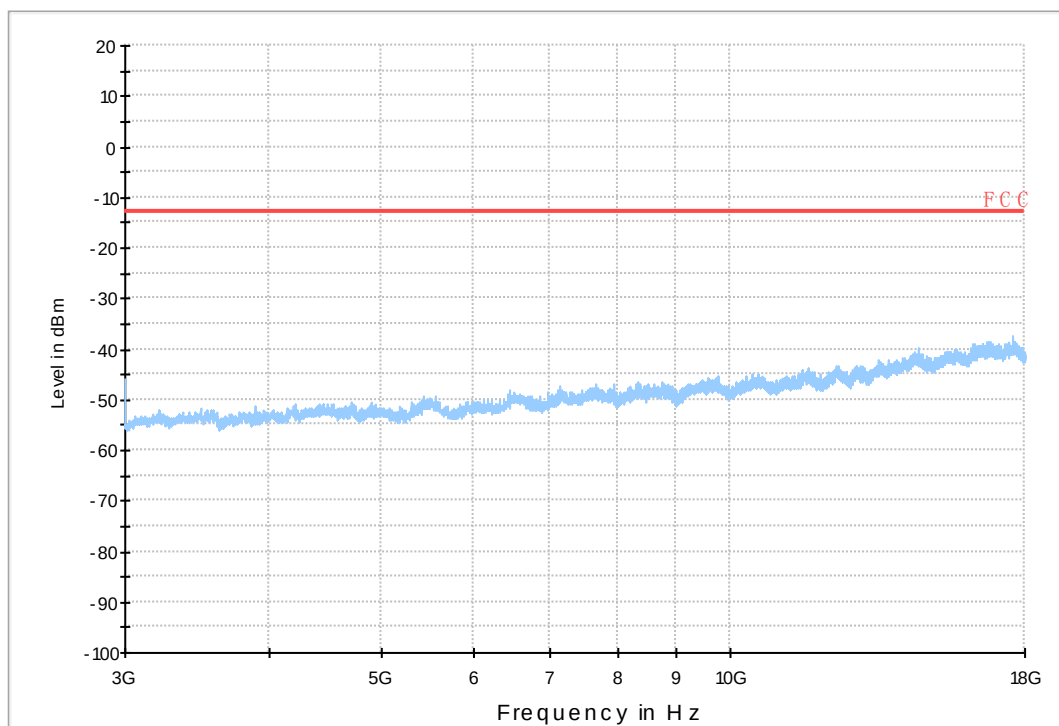
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

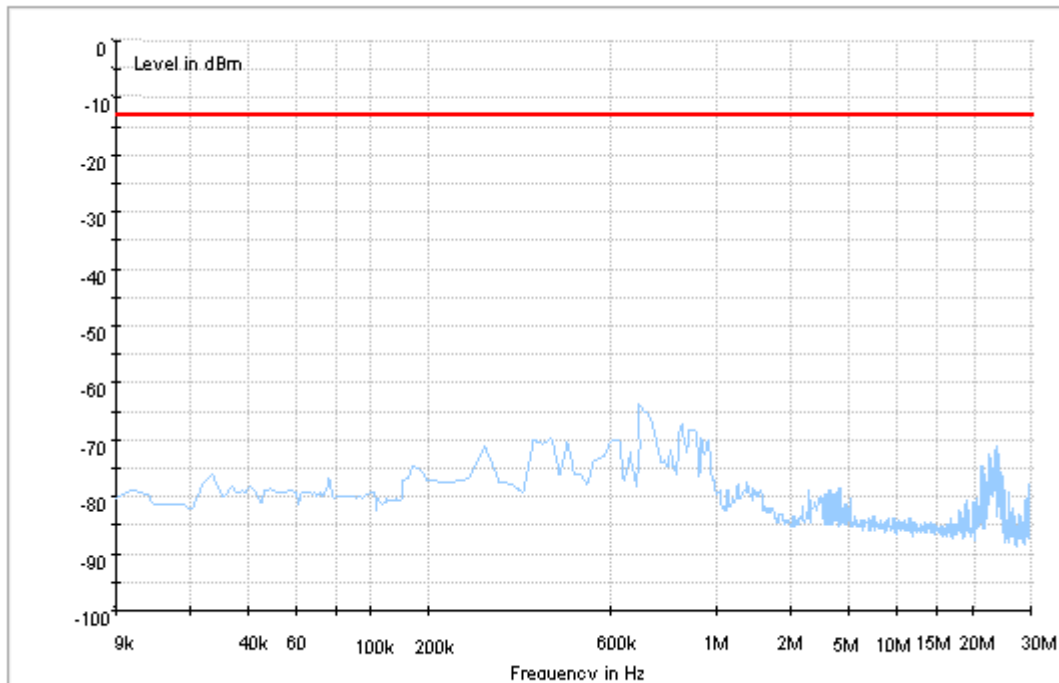


Copy of RSE-TX-DIRECTOR BELOW 1G_H

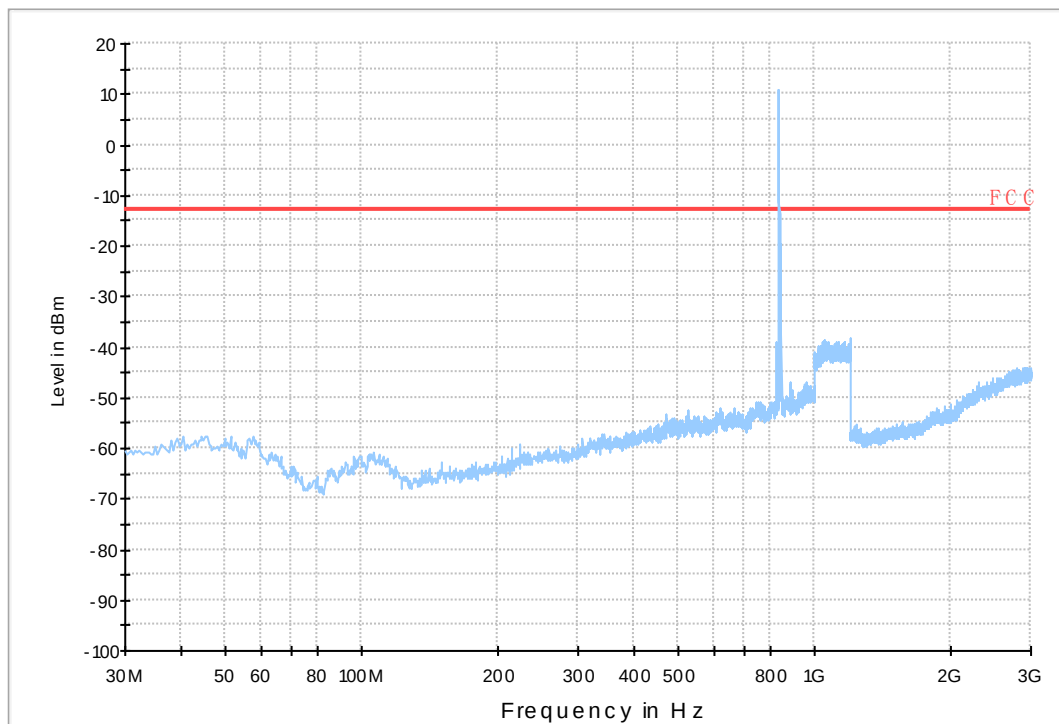


7.1.2 Test Band = BAND5__Ant2

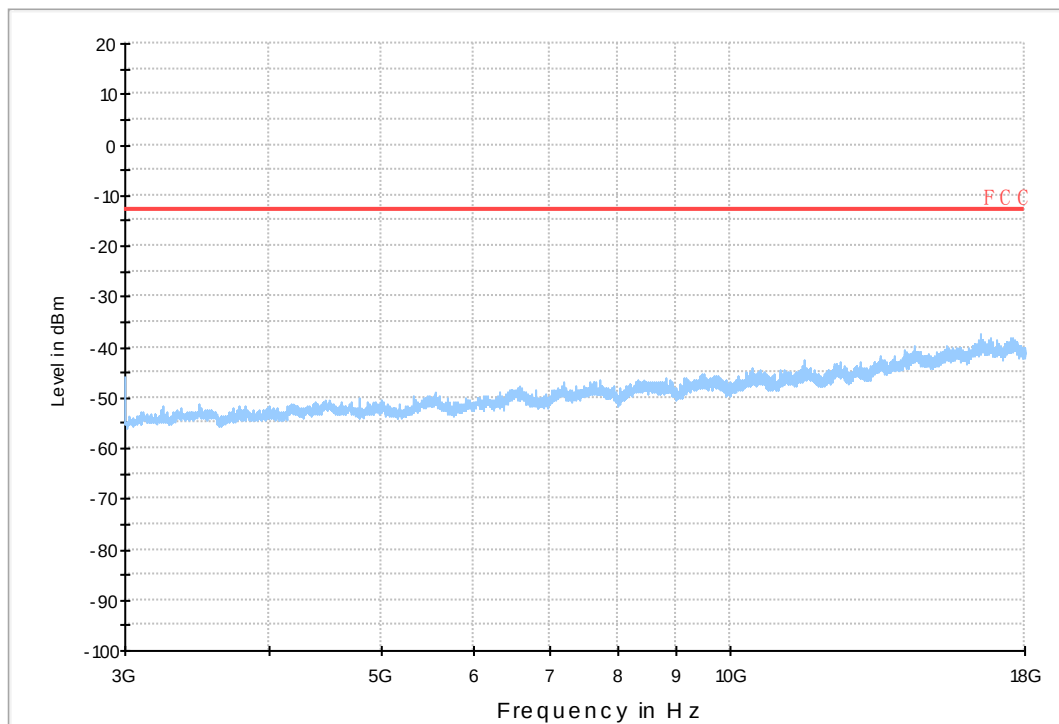
7.1.2.1 Test Bandwidth = 1.4



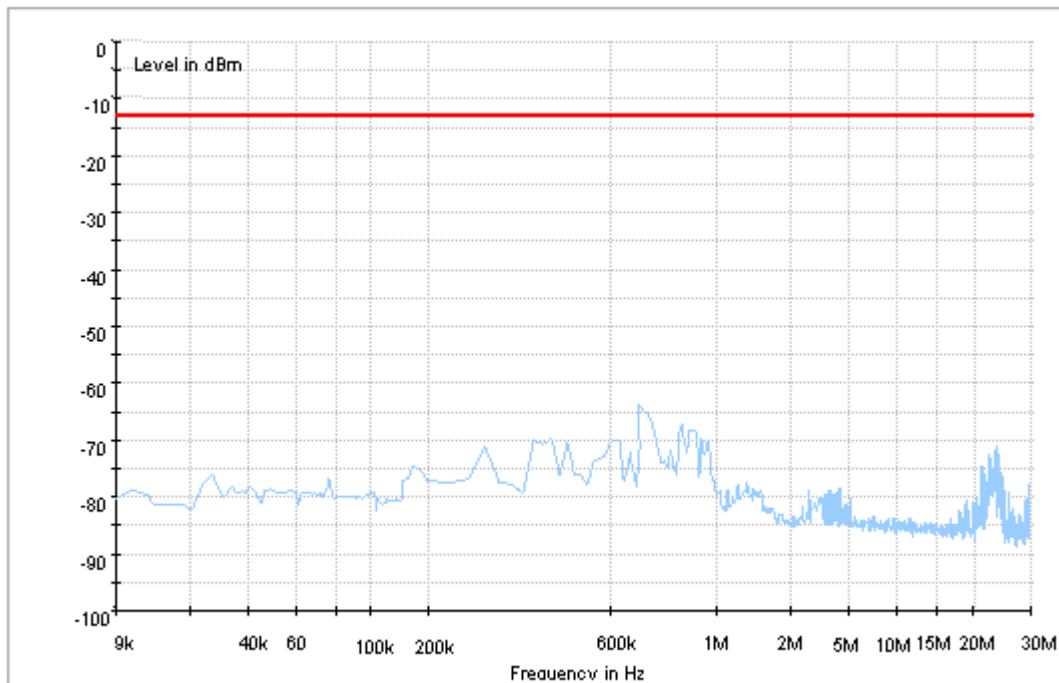
Copy of RSE-TX-DIRECTOR BELOW 1G_L



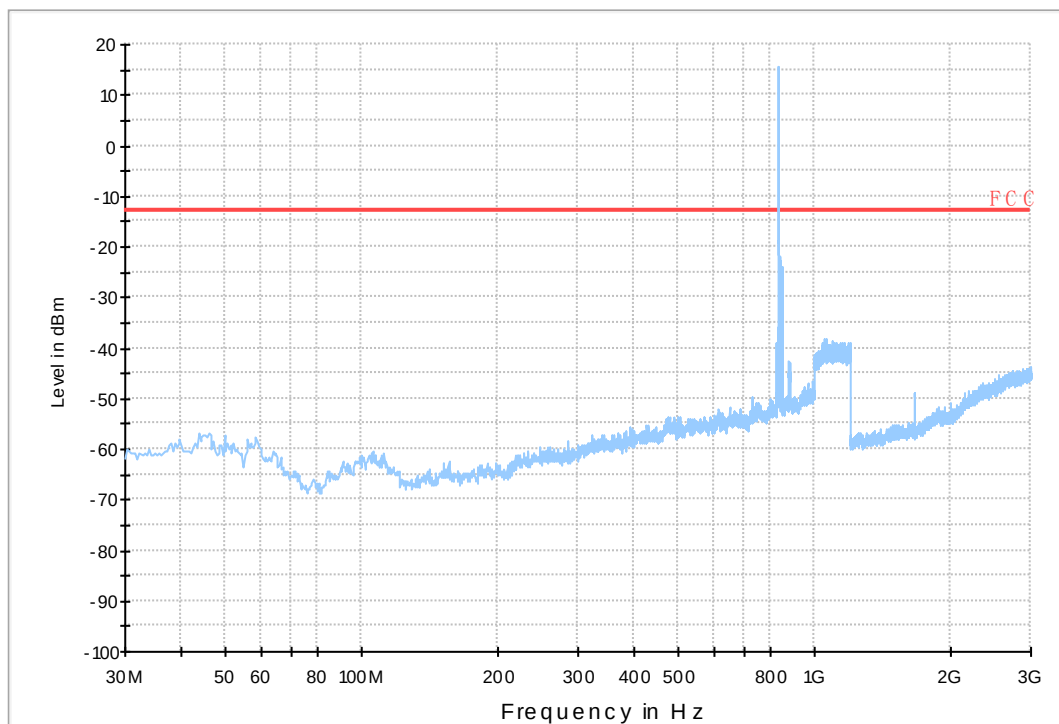
Copy of RSE-TX-DIRECTOR BELOW 1G_H



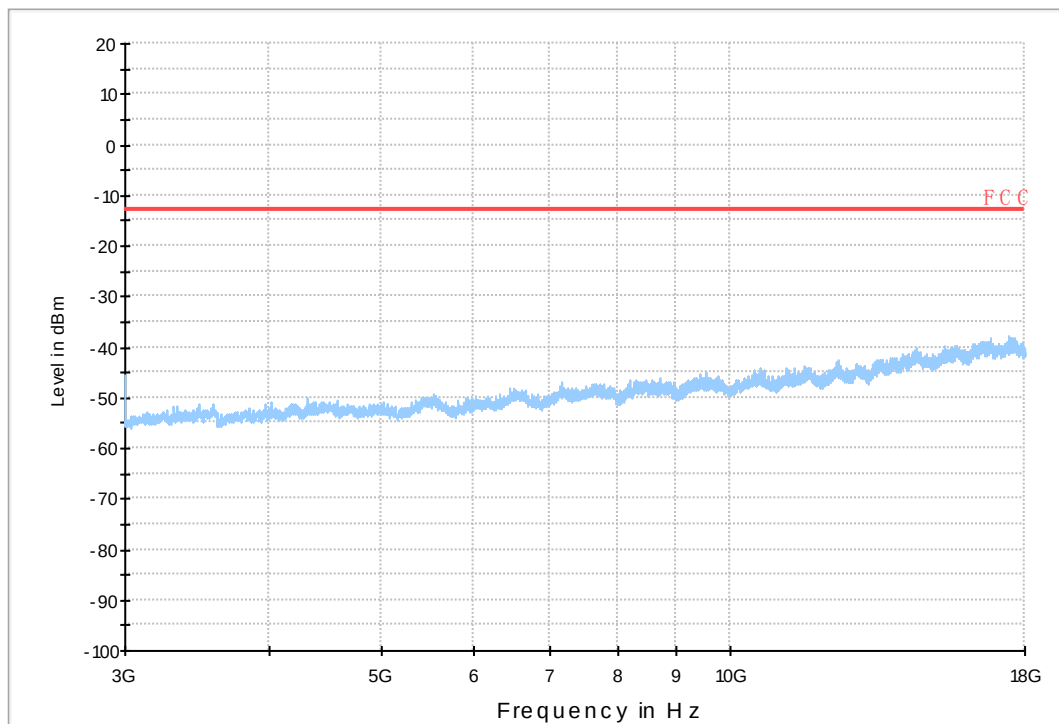
7.1.2.2 Test Bandwidth = 10



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	1.12	0.00136	PASS
					VN	0.83	0.00101	PASS
					VH	2.40	0.00291	PASS
			MCH	TN	VL	-9.18	-0.01097	PASS
					VN	10.30	0.01231	PASS
					VH	3.25	0.00389	PASS
			HCH	TN	VL	-25.66	-0.03025	PASS
					VN	8.96	0.01056	PASS
					VH	-13.36	-0.01575	PASS
		3	LCH	TN	VL	-0.21	-0.00025	PASS
					VN	-0.39	-0.00047	PASS
					VH	0.34	0.00041	PASS
			MCH	TN	VL	-3.92	-0.00469	PASS
					VN	-0.06	-0.00007	PASS
					VH	-8.43	-0.01008	PASS
			HCH	TN	VL	0.11	0.00013	PASS
					VN	-6.37	-0.00752	PASS
					VH	0.16	0.00019	PASS
		5	LCH	TN	VL	-0.27	-0.00033	PASS
					VN	0.04	0.00005	PASS
					VH	-0.24	-0.00029	PASS
			MCH	TN	VL	-1.62	-0.00194	PASS
					VN	-2.13	-0.00255	PASS
					VH	-1.49	-0.00178	PASS
			HCH	TN	VL	-0.13	-0.00015	PASS
					VN	2.25	0.00266	PASS
					VH	0.47	0.00056	PASS
		10	LCH	TN	VL	17.54	0.02116	PASS
					VN	14.49	0.01748	PASS
					VH	-4.15	-0.00501	PASS
			MCH	TN	VL	4.42	0.00528	PASS
					VN	8.80	0.01052	PASS
					VH	-3.10	-0.00371	PASS
			HCH	TN	VL	-0.59	-0.00007	PASS
					VN	1.53	0.00181	PASS
					VH			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	LCH	TN	VH	-3.25	-0.00385	PASS
					VL	1.23	0.00149	PASS
					VN	0.44	0.00053	PASS
					VH	0.77	0.00093	PASS
			MCH	TN	VL	-5.01	-0.00599	PASS
					VN	23.78	0.02843	PASS
					VH	-4.85	-0.0058	PASS
					VL	-10.61	-0.01251	PASS
			HCH	TN	VN	-16.24	-0.01914	PASS
					VH	-40.63	-0.0479	PASS
					VL	-0.17	-0.00021	PASS
					VN	0.09	0.00011	PASS
		3	LCH	TN	VH	-0.06	-0.00007	PASS
					VL	-2.07	-0.00247	PASS
					VN	-3.22	-0.00385	PASS
					VH	-0.07	-0.00008	PASS
			MCH	TN	VL	-1.26	-0.00149	PASS
					VN	-1.43	-0.00169	PASS
					VH	-3.66	-0.00432	PASS
					VL	0.24	0.00029	PASS
			LCH	TN	VN	-0.79	-0.00096	PASS
					VH	-0.09	-0.00011	PASS
					VL	-3.49	-0.00417	PASS
					VN	-2.09	-0.0025	PASS
		5	MCH	TN	VH	-2.72	-0.00325	PASS
					VL	-2.20	-0.0026	PASS
					VN	-5.22	-0.00617	PASS
					VH	-1.06	-0.00125	PASS
			HCH	TN	VL	-16.55	-0.01996	PASS
					VN	14.20	0.01713	PASS
					VH	14.99	0.01808	PASS
					VL	20.24	0.0242	PASS
			MCH	TN	VN	-11.01	-0.01316	PASS
					VH	-11.57	-0.01383	PASS
					VL	0.20	0.00024	PASS
					VN	-1.69	-0.002	PASS
		10	LCH	TN	VH	-0.53	-0.00063	PASS
					VL	0.20	0.00024	PASS
					VN	-1.69	-0.002	PASS
					VH	-0.53	-0.00063	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	-6.80	-0.00825	PASS
					-20	9.88	0.01198	PASS
					-10	-1.39	-0.00168	PASS
					0	-11.58	-0.01405	PASS
					10	-4.15	-0.00503	PASS
					20	-13.52	-0.01640	PASS
					30	-15.10	-0.01831	PASS
					40	10.46	0.01269	PASS
					50	-5.89	-0.00714	PASS
			MCH	VN	-30	5.00	0.00597	PASS
					-20	-7.47	-0.00893	PASS
					-10	13.52	0.01616	PASS
					0	6.85	0.00819	PASS
					10	16.75	0.02002	PASS
					20	17.42	0.02083	PASS
					30	-18.06	-0.02158	PASS
					40	9.67	0.01156	PASS
					50	-16.39	-0.01959	PASS
			HCH	VN	-30	-9.12	-0.01075	PASS
					-20	-2.13	-0.00251	PASS
					-10	-7.83	-0.00924	PASS
					0	-3.09	-0.00364	PASS
					10	-17.65	-0.02081	PASS
					20	19.58	0.02308	PASS
					30	10.40	0.01226	PASS
					40	9.97	0.01176	PASS
					50	1.07	0.00126	PASS
		3	LCH	VN	-30	-0.52	-0.00063	PASS
					-20	8.19	0.00993	PASS
					-10	-9.28	-0.01124	PASS
					0	-10.02	-0.01213	PASS
					10	-11.29	-0.01368	PASS
					20	-19.17	-0.02323	PASS
					30	9.17	0.01111	PASS
					40	-6.73	-0.00815	PASS
					50	-0.12	-0.00014	PASS
			MCH	VN	-30	-18.98	-0.02269	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	16.74	0.02001	PASS
					-10	-14.16	-0.01693	PASS
					0	8.47	0.01012	PASS
					10	-11.43	-0.01367	PASS
					20	2.30	0.00275	PASS
					30	-9.02	-0.01079	PASS
					40	-14.34	-0.01714	PASS
					50	-14.97	-0.01790	PASS
			HCH	VN	-30	18.91	0.02231	PASS
					-20	16.03	0.01892	PASS
					-10	-16.97	-0.02003	PASS
					0	-17.50	-0.02065	PASS
					10	-9.75	-0.01150	PASS
					20	-17.15	-0.02023	PASS
					30	14.62	0.01725	PASS
					40	-8.34	-0.00985	PASS
					50	-2.18	-0.00258	PASS
		5	LCH	VN	-30	13.57	0.01642	PASS
					-20	-1.55	-0.00187	PASS
					-10	12.64	0.01529	PASS
					0	12.32	0.01490	PASS
					10	3.32	0.00402	PASS
					20	-12.98	-0.01570	PASS
					30	-6.25	-0.00756	PASS
					40	-13.30	-0.01609	PASS
					50	-6.37	-0.00771	PASS
			MCH	VN	-30	7.41	0.00886	PASS
					-20	9.87	0.01179	PASS
					-10	-4.04	-0.00483	PASS
					0	6.37	0.00762	PASS
					10	-10.89	-0.01302	PASS
					20	-3.26	-0.00390	PASS
					30	2.62	0.00313	PASS
					40	-5.39	-0.00644	PASS
					50	-17.12	-0.02046	PASS
			HCH	VN	-30	-13.14	-0.01552	PASS
					-20	11.49	0.01358	PASS
					-10	-7.27	-0.00858	PASS
					0	2.31	0.00273	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	12.83	0.01516	PASS
					20	1.80	0.00212	PASS
					30	-16.27	-0.01922	PASS
					40	-16.23	-0.01918	PASS
					50	15.00	0.01772	PASS
			LCH	VN	-30	15.29	0.01844	PASS
					-20	-9.70	-0.01170	PASS
					-10	8.83	0.01065	PASS
					0	5.21	0.00629	PASS
					10	1.39	0.00168	PASS
					20	-12.51	-0.01509	PASS
					30	-2.92	-0.00353	PASS
					40	1.24	0.00150	PASS
					50	13.95	0.01682	PASS
			MCH	VN	-30	12.32	0.01472	PASS
					-20	-2.07	-0.00247	PASS
					-10	15.40	0.01841	PASS
					0	-8.15	-0.00974	PASS
					10	13.09	0.01565	PASS
					20	8.96	0.01071	PASS
					30	-5.01	-0.00599	PASS
					40	5.26	0.00628	PASS
					50	17.42	0.02083	PASS
			HCH	VN	-30	-2.60	-0.00308	PASS
					-20	-17.38	-0.02059	PASS
					-10	16.78	0.01988	PASS
					0	14.09	0.01669	PASS
					10	5.43	0.00644	PASS
					20	6.64	0.00787	PASS
					30	18.10	0.02144	PASS
					40	-5.40	-0.00640	PASS
					50	8.87	0.01051	PASS
	LTE/TM2	1.4	LCH	VN	-30	-5.37	-0.00651	PASS
					-20	13.72	0.01664	PASS
					-10	-11.44	-0.01387	PASS
					0	5.40	0.00654	PASS
					10	-17.14	-0.02078	PASS
					20	10.70	0.01298	PASS
					30	19.85	0.02407	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-17.71	-0.02148	PASS
					50	-7.29	-0.00884	PASS
			MCH	VN	-30	-3.05	-0.00365	PASS
					-20	-9.92	-0.01186	PASS
					-10	14.37	0.01718	PASS
					0	-15.90	-0.01901	PASS
					10	15.30	0.01829	PASS
					20	2.23	0.00267	PASS
					30	13.56	0.01621	PASS
					40	-4.71	-0.00563	PASS
					50	-9.11	-0.01090	PASS
			HCH	VN	-30	-0.71	-0.00083	PASS
					-20	-2.58	-0.00304	PASS
					-10	-18.80	-0.02217	PASS
					0	-9.19	-0.01083	PASS
					10	18.53	0.02184	PASS
					20	15.45	0.01822	PASS
					30	1.66	0.00196	PASS
					40	-11.01	-0.01297	PASS
					50	-11.67	-0.01375	PASS
		3	LCH	VN	-30	0.85	0.00103	PASS
					-20	-17.54	-0.02124	PASS
					-10	-8.26	-0.01001	PASS
					0	-13.19	-0.01598	PASS
					10	17.51	0.02122	PASS
					20	16.36	0.01982	PASS
					30	-10.53	-0.01276	PASS
					40	-11.08	-0.01342	PASS
					50	4.08	0.00494	PASS
			MCH	VN	-30	10.23	0.01223	PASS
					-20	16.40	0.01961	PASS
					-10	5.53	0.00661	PASS
					0	11.43	0.01367	PASS
					10	-16.52	-0.01975	PASS
					20	8.77	0.01048	PASS
					30	5.80	0.00693	PASS
					40	-19.33	-0.02310	PASS
					50	2.99	0.00358	PASS
			HCH	VN	-30	17.21	0.02031	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	18.83	0.02222	PASS
					-10	-15.12	-0.01785	PASS
					0	3.12	0.00368	PASS
					10	6.86	0.00809	PASS
					20	8.59	0.01014	PASS
					30	-16.53	-0.01951	PASS
					40	8.66	0.01022	PASS
					50	19.01	0.02243	PASS
		5	LCH	VN	-30	-16.20	-0.01961	PASS
					-20	5.25	0.00635	PASS
					-10	11.21	0.01356	PASS
					0	13.83	0.01673	PASS
					10	-10.23	-0.01238	PASS
					20	-0.63	-0.00076	PASS
					30	0.13	0.00016	PASS
					40	-8.53	-0.01032	PASS
					50	11.11	0.01344	PASS
			MCH	VN	-30	12.92	0.01544	PASS
					-20	1.85	0.00221	PASS
					-10	0.63	0.00075	PASS
					0	-7.56	-0.00904	PASS
					10	13.45	0.01608	PASS
					20	-17.04	-0.02037	PASS
					30	8.84	0.01057	PASS
					40	4.90	0.00586	PASS
					50	6.53	0.00781	PASS
			HCH	VN	-30	-7.83	-0.00925	PASS
					-20	-2.82	-0.00333	PASS
					-10	-9.58	-0.01132	PASS
					0	10.39	0.01228	PASS
					10	17.11	0.02022	PASS
					20	12.71	0.01502	PASS
					30	-10.99	-0.01298	PASS
					40	-18.59	-0.02196	PASS
					50	19.62	0.02318	PASS
		10	LCH	VN	-30	-9.55	-0.01152	PASS
					-20	6.30	0.00760	PASS
					-10	-10.71	-0.01292	PASS
					0	3.75	0.00453	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	2.58	0.00312	PASS
					20	19.76	0.02383	PASS
					30	-1.75	-0.00211	PASS
					40	6.16	0.00743	PASS
					50	-7.59	-0.00915	PASS
			MCH	VN	-30	1.39	0.00166	PASS
					-20	9.17	0.01096	PASS
					-10	-9.05	-0.01082	PASS
					0	-10.21	-0.01220	PASS
					10	-14.17	-0.01694	PASS
					20	5.03	0.00601	PASS
					30	-5.30	-0.00633	PASS
					40	-5.04	-0.00602	PASS
					50	-14.45	-0.01728	PASS
			HCH	VN	-30	12.69	0.01504	PASS
					-20	2.85	0.00338	PASS
					-10	-6.41	-0.00760	PASS
					0	9.40	0.01114	PASS
					10	15.87	0.01881	PASS
					20	11.79	0.01397	PASS
					30	6.00	0.00711	PASS
					40	-7.46	-0.00884	PASS
					50	-18.58	-0.02202	PASS

END