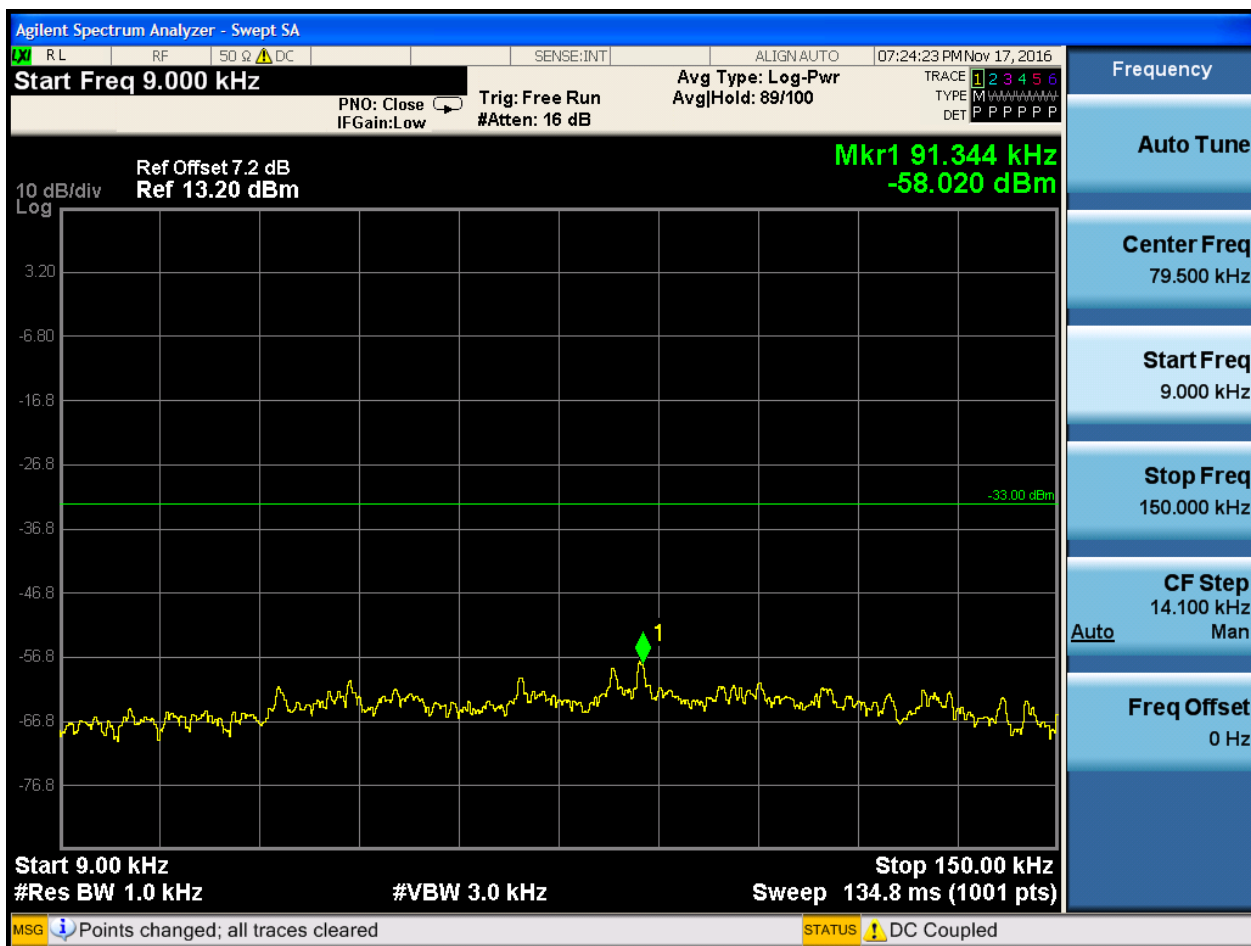
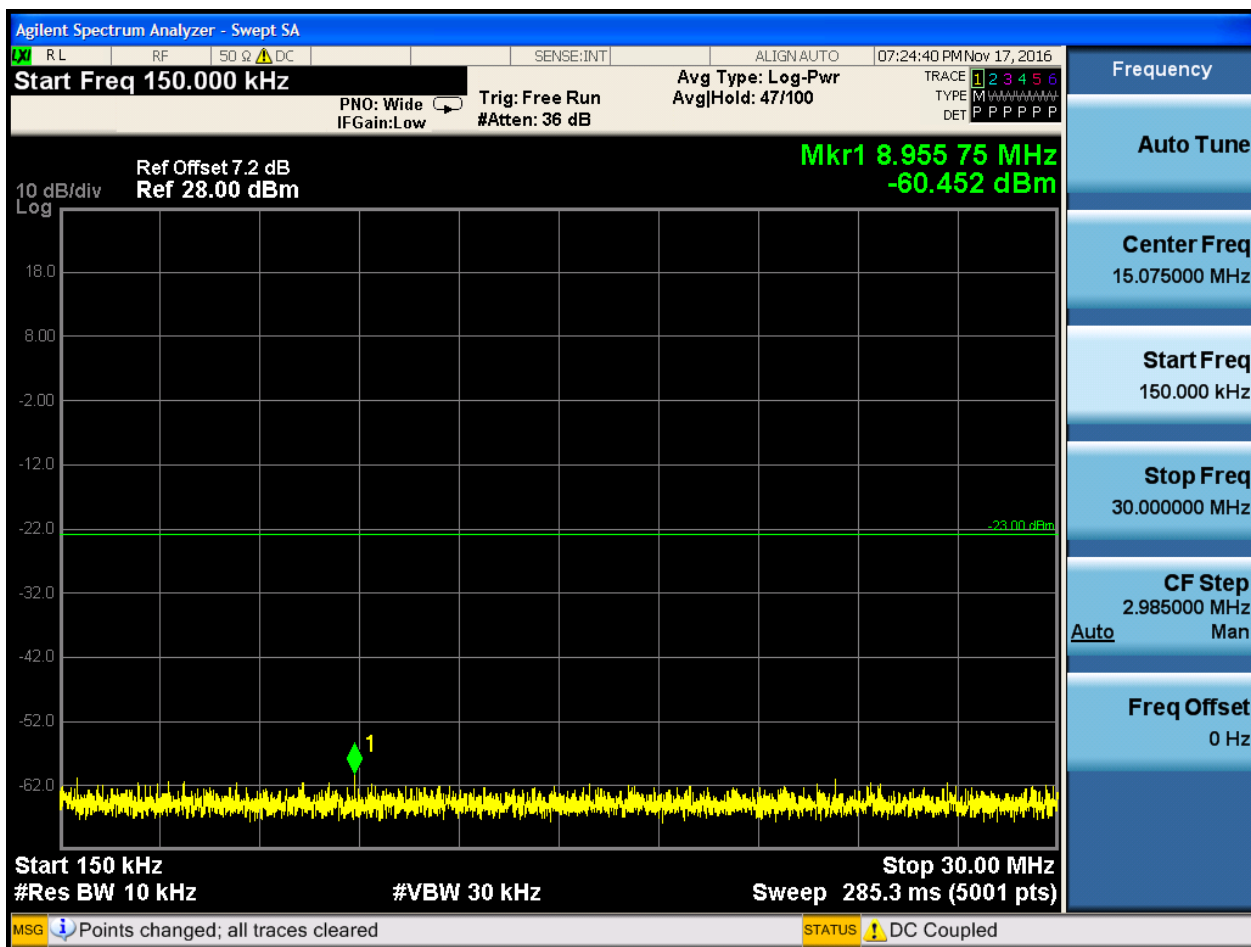
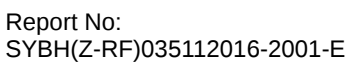


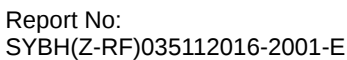
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







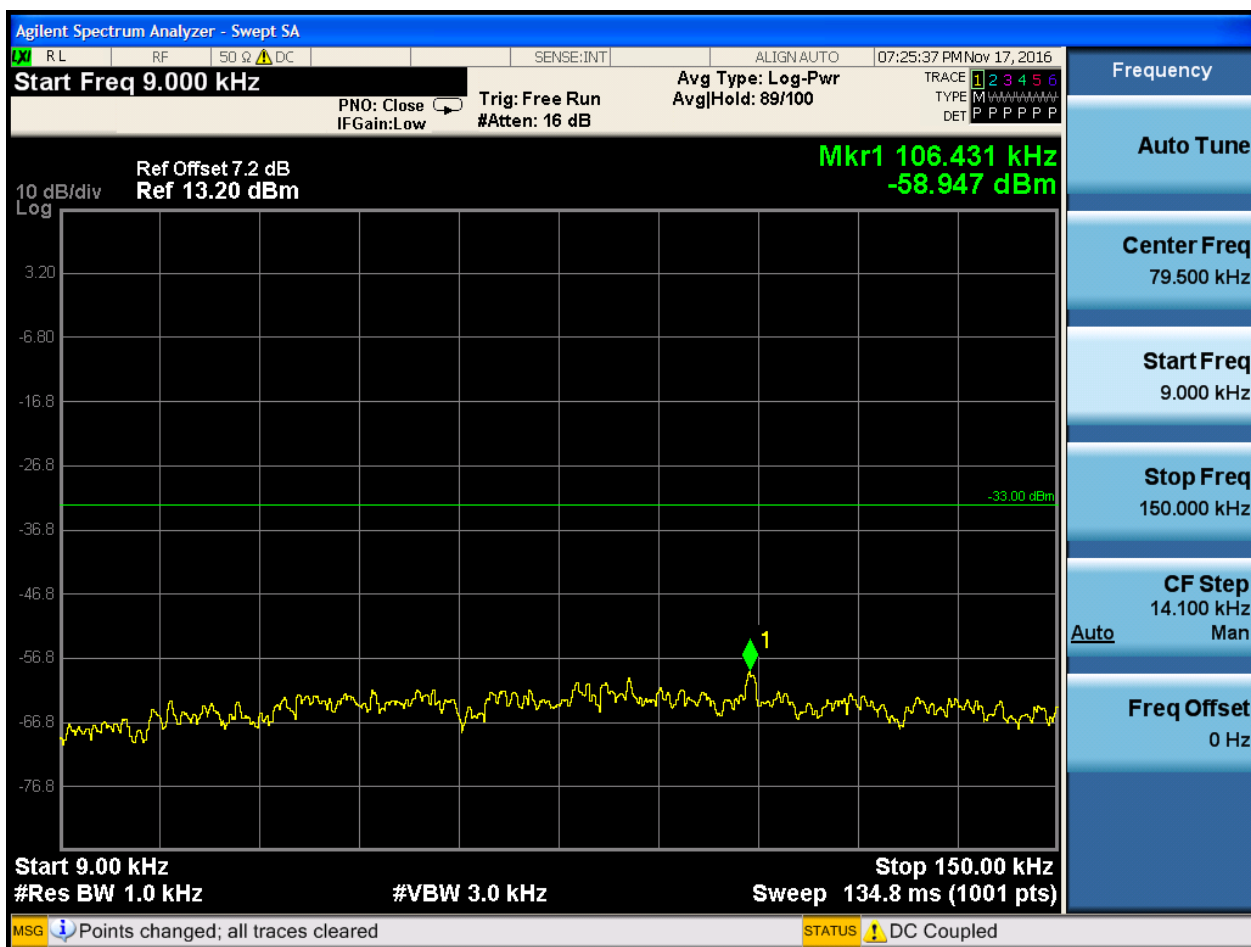


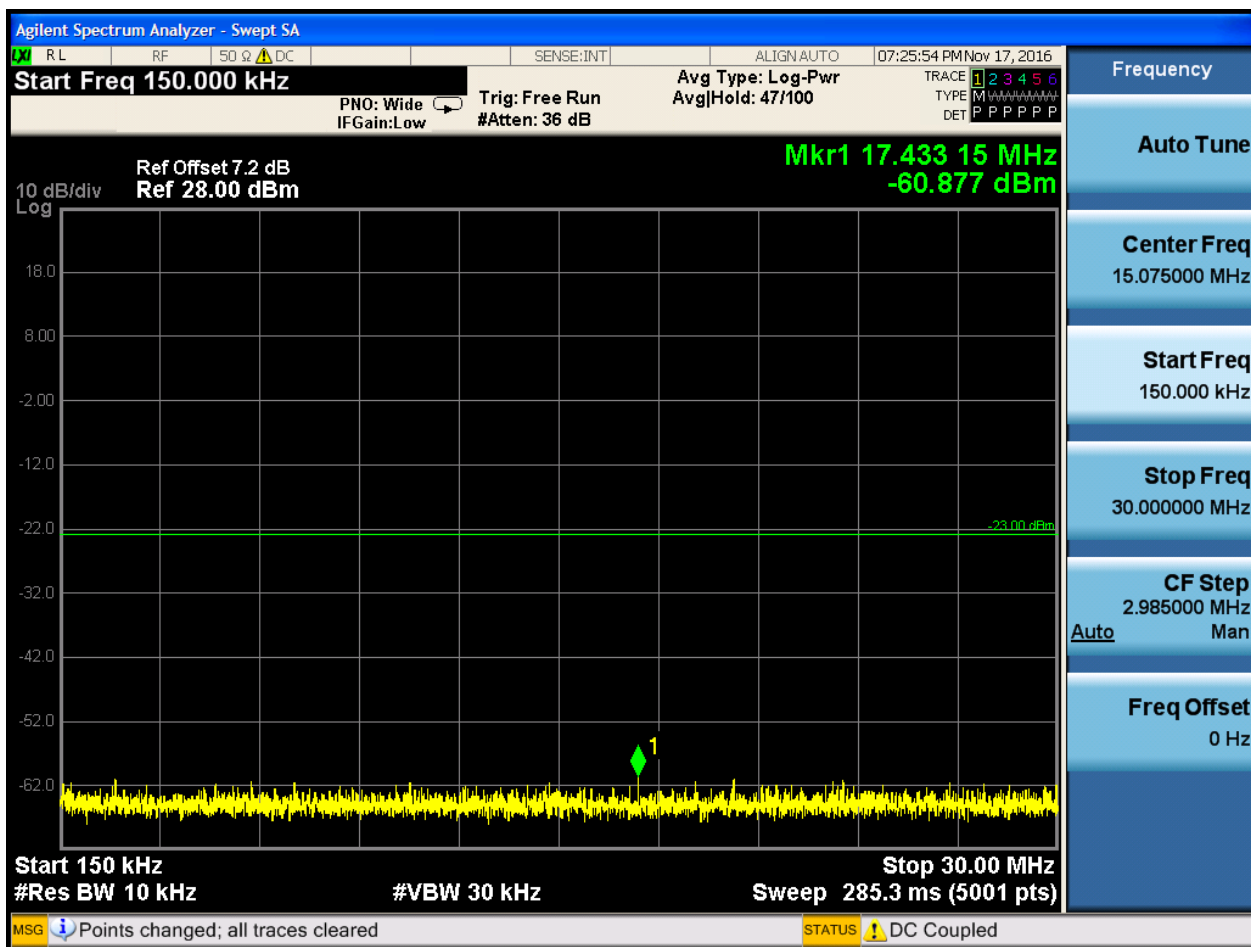


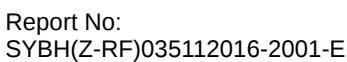
6.1.1.1.3 Test Bandwidth = 5

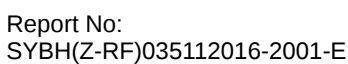
6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





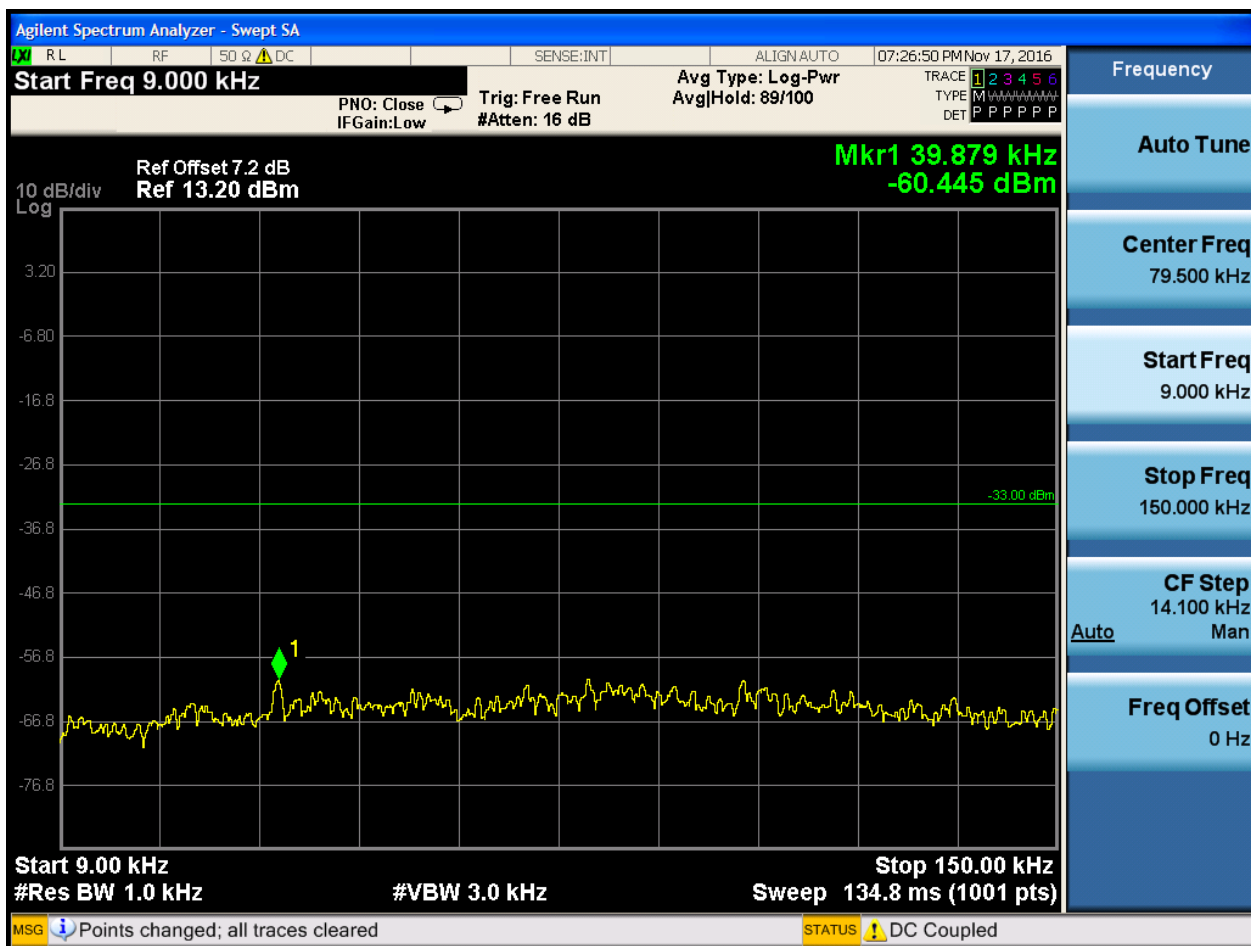


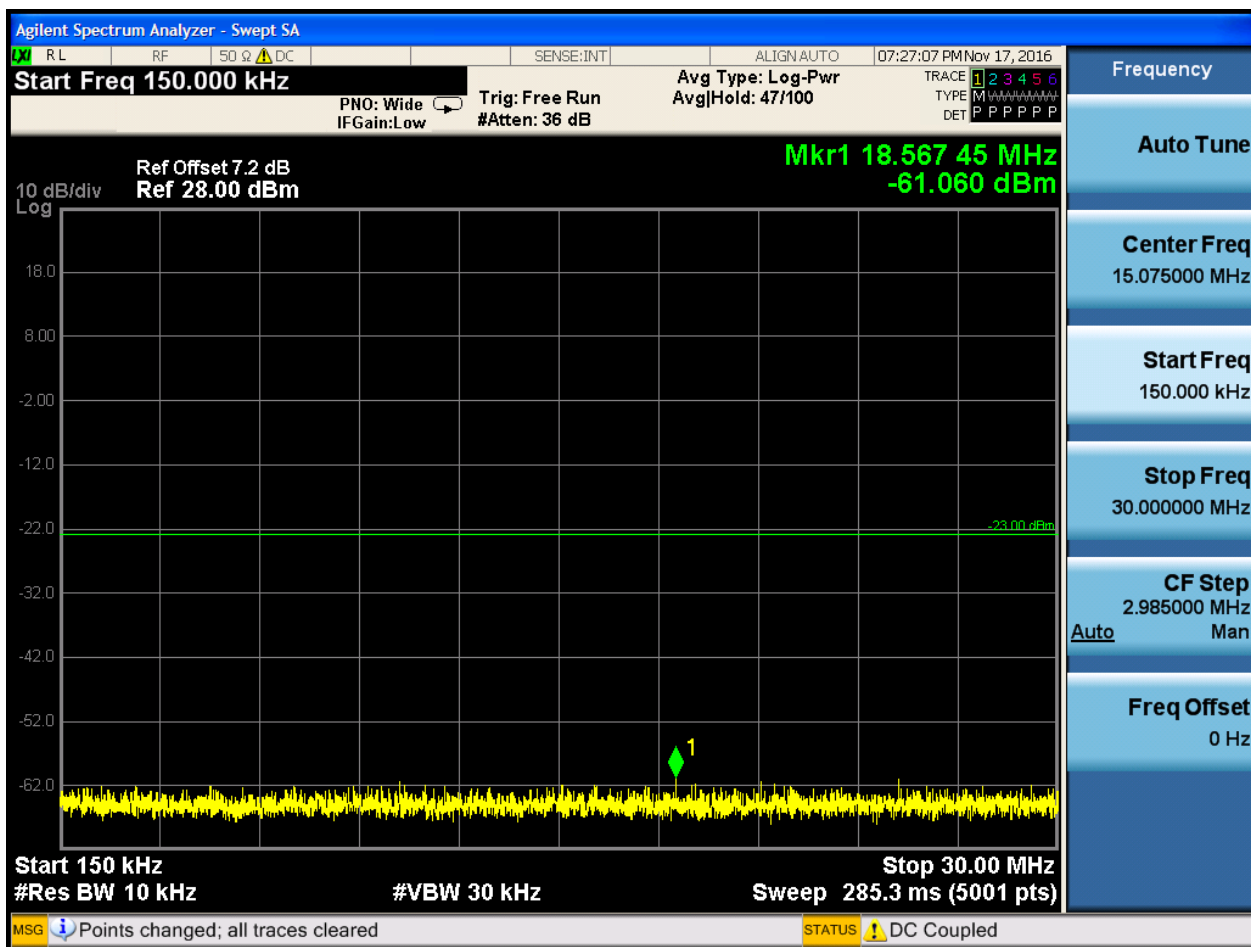


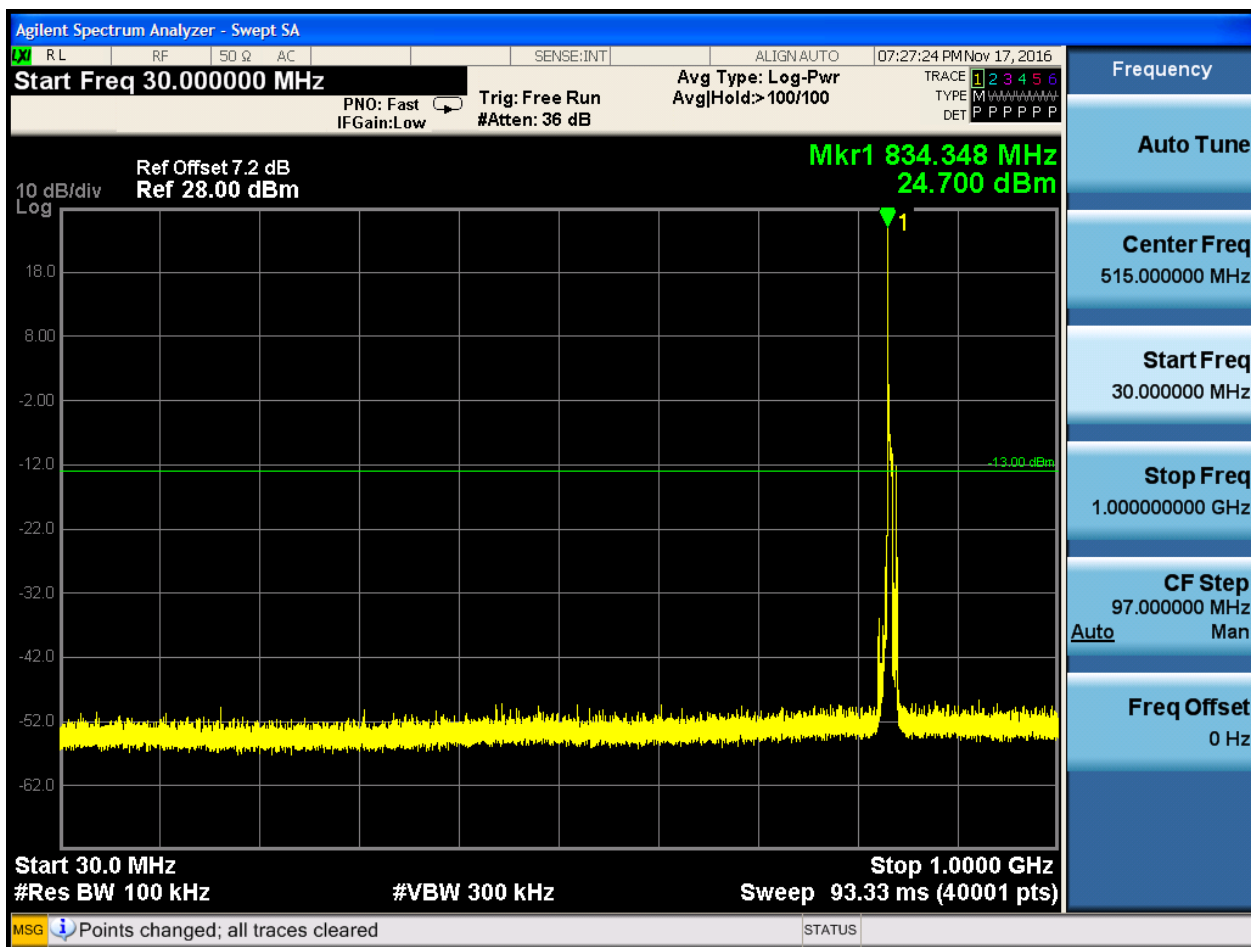


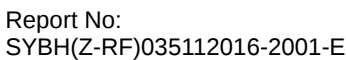
6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0





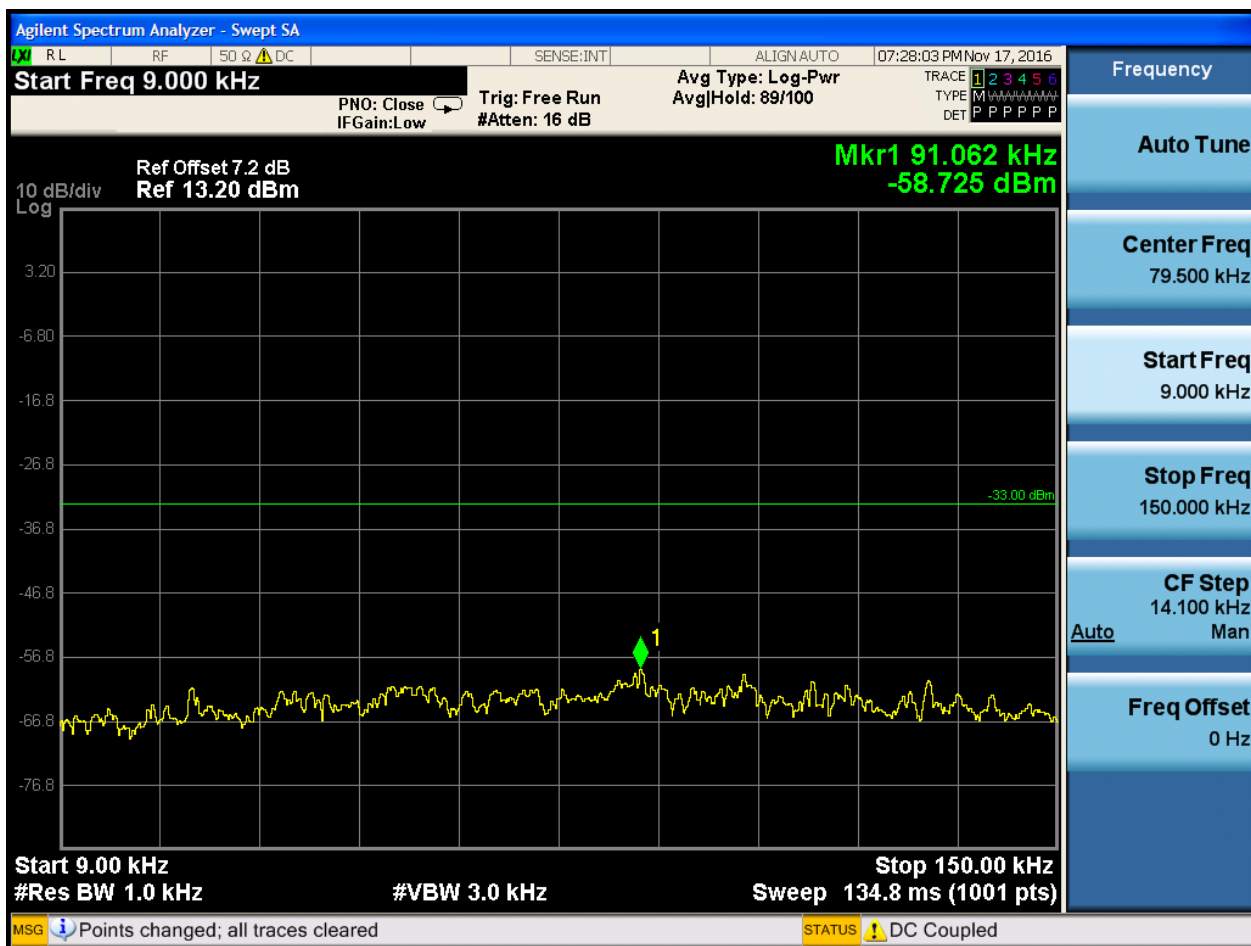


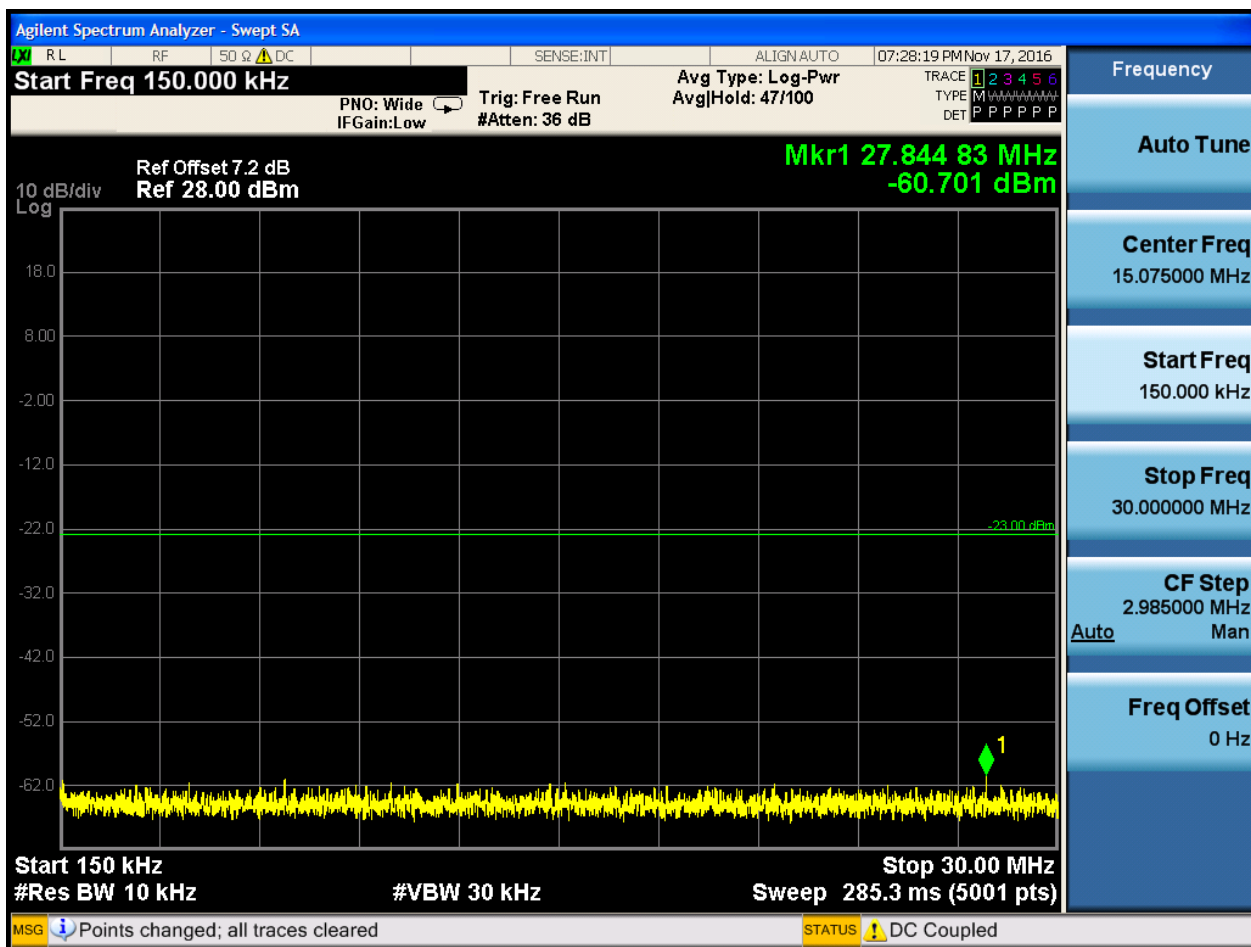


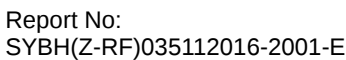


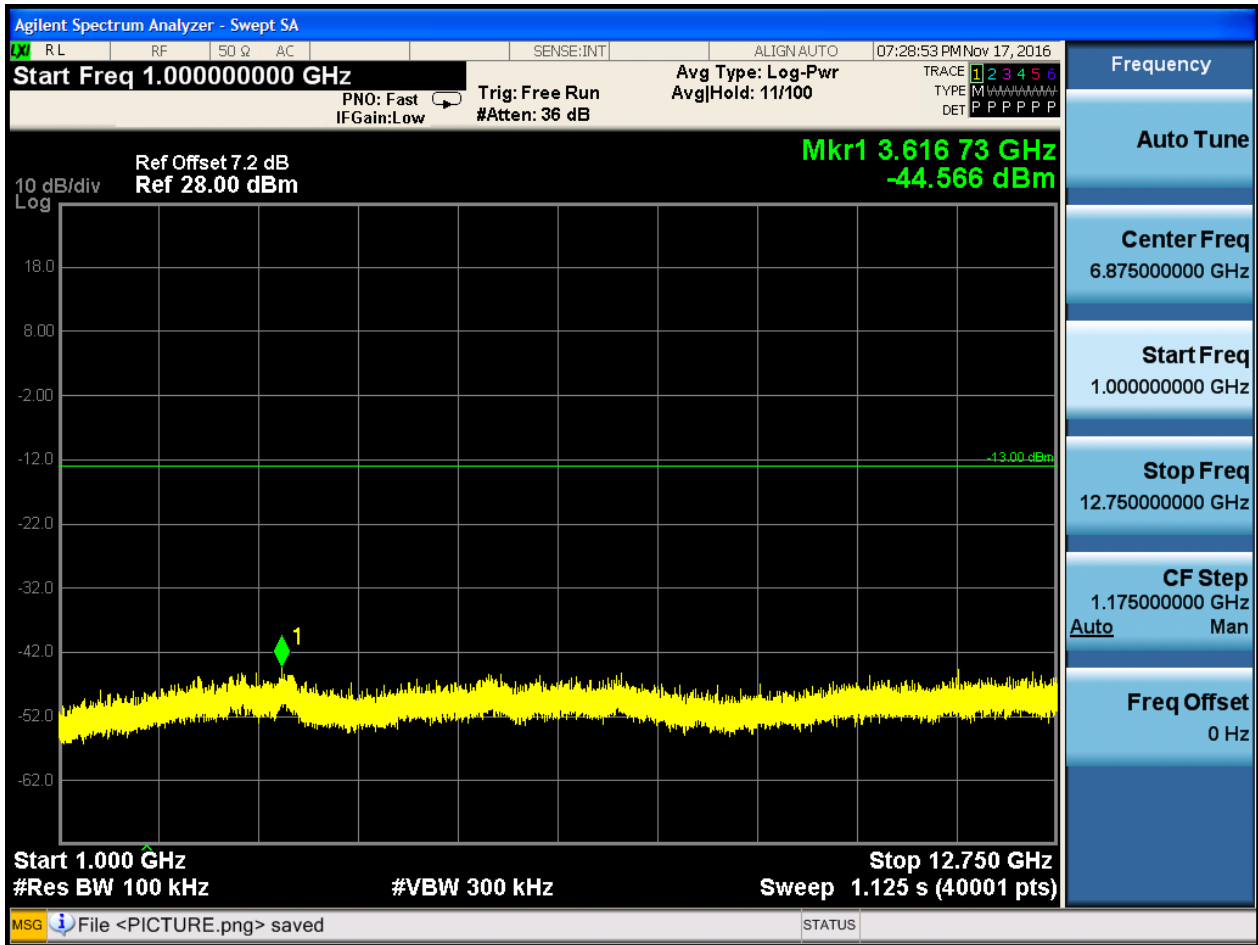
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







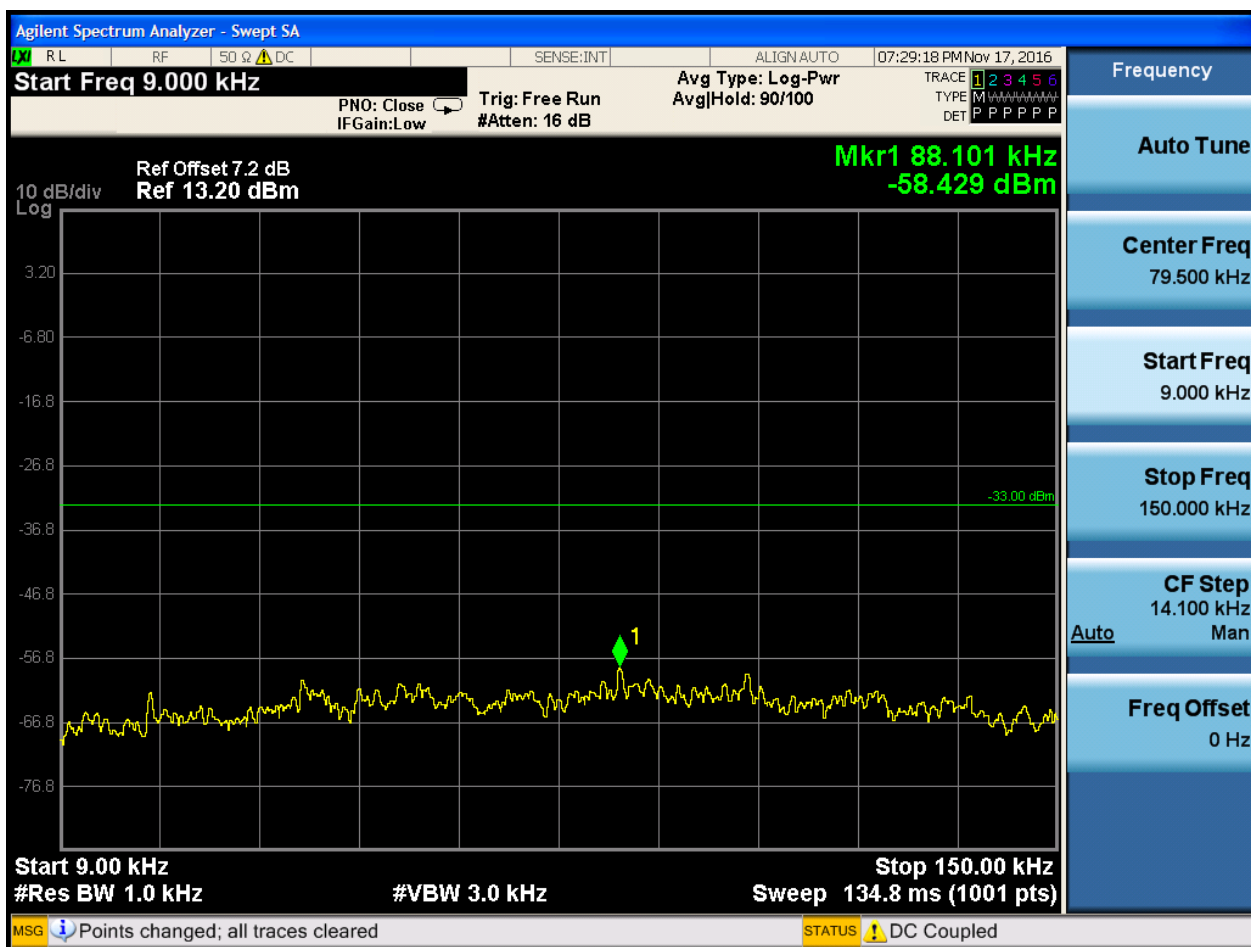


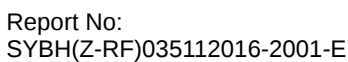


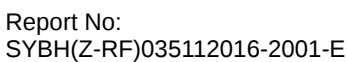
6.1.1.1.4 Test Bandwidth = 10

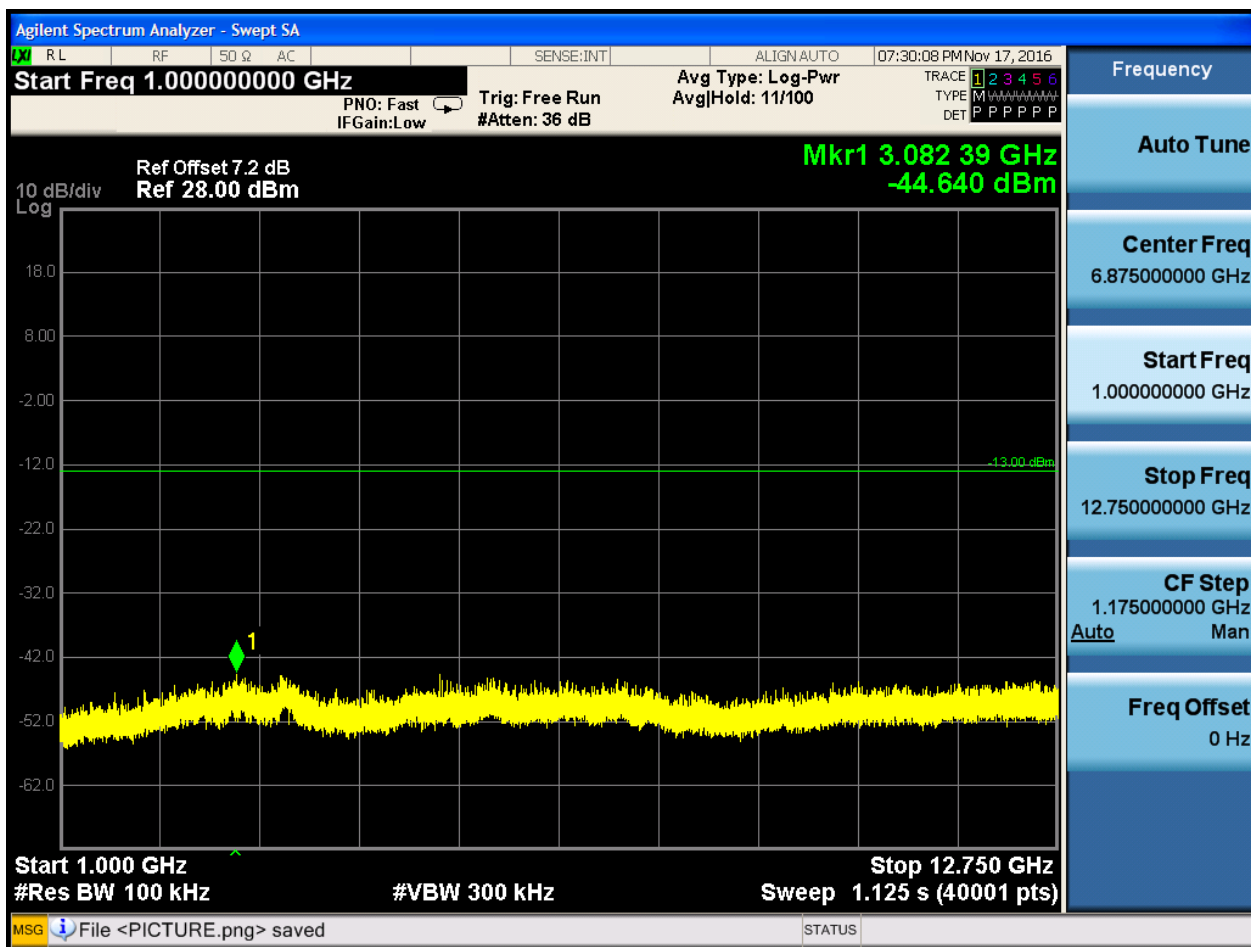
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



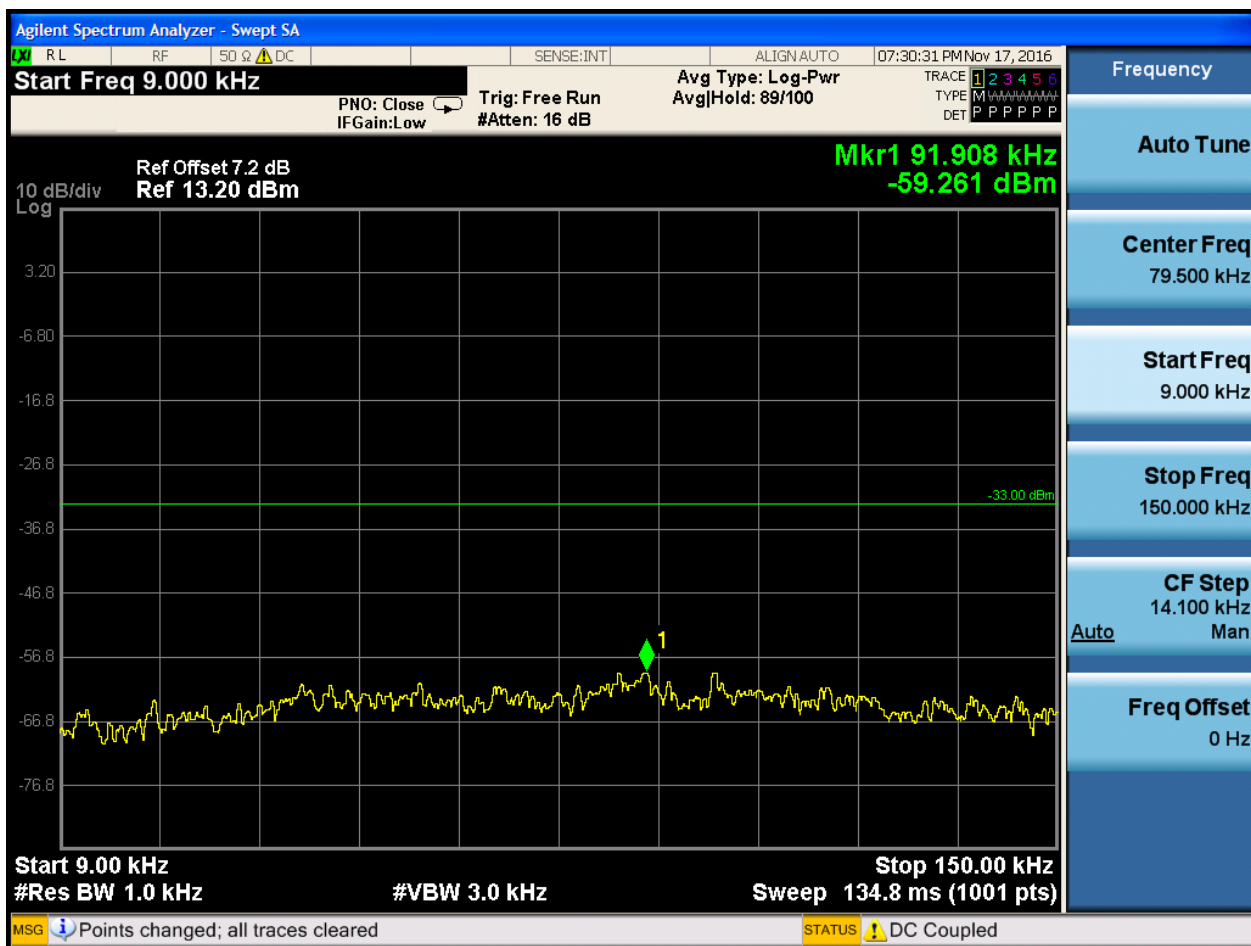


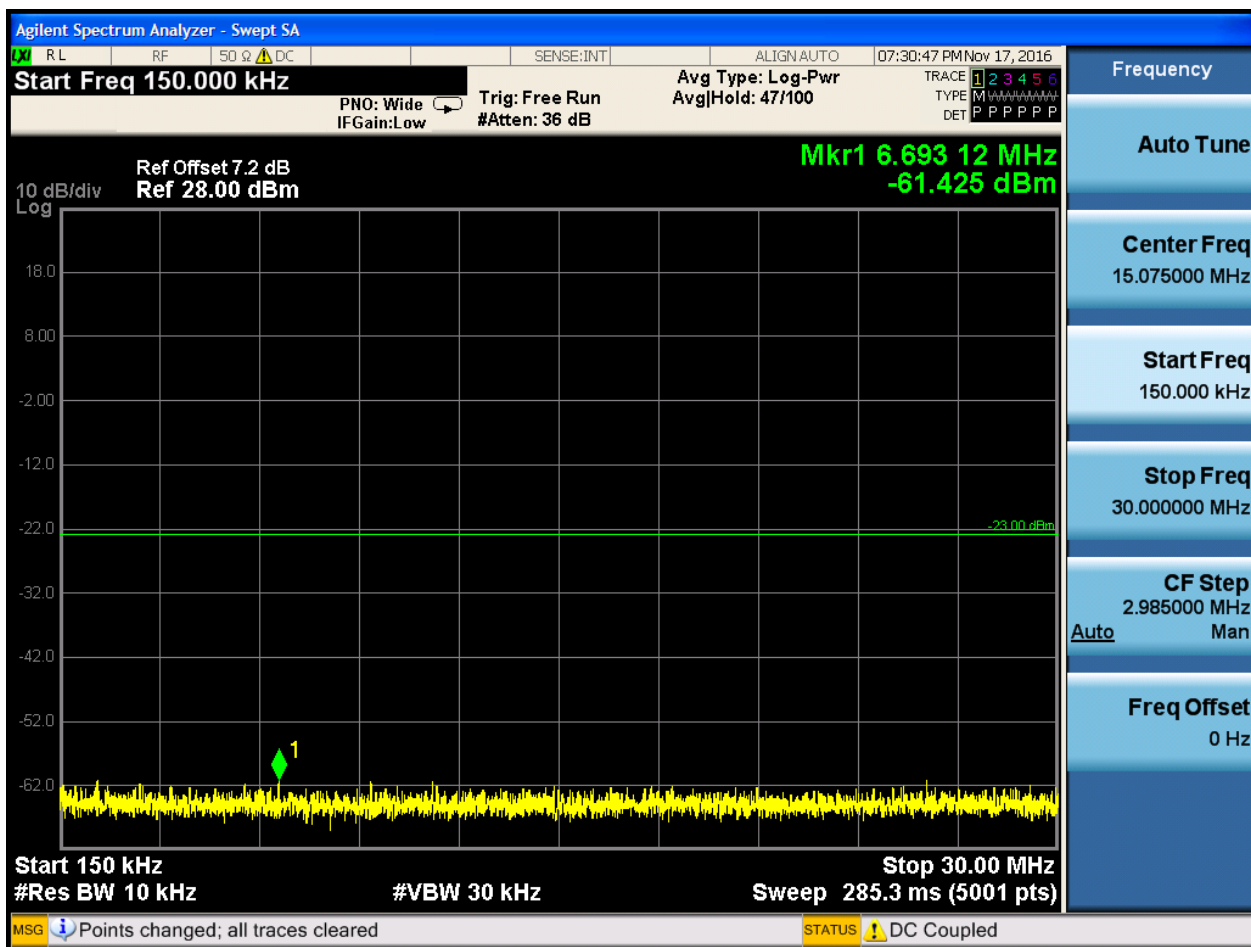


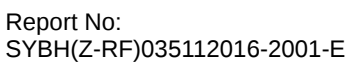


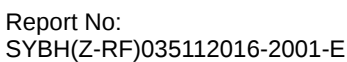
6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



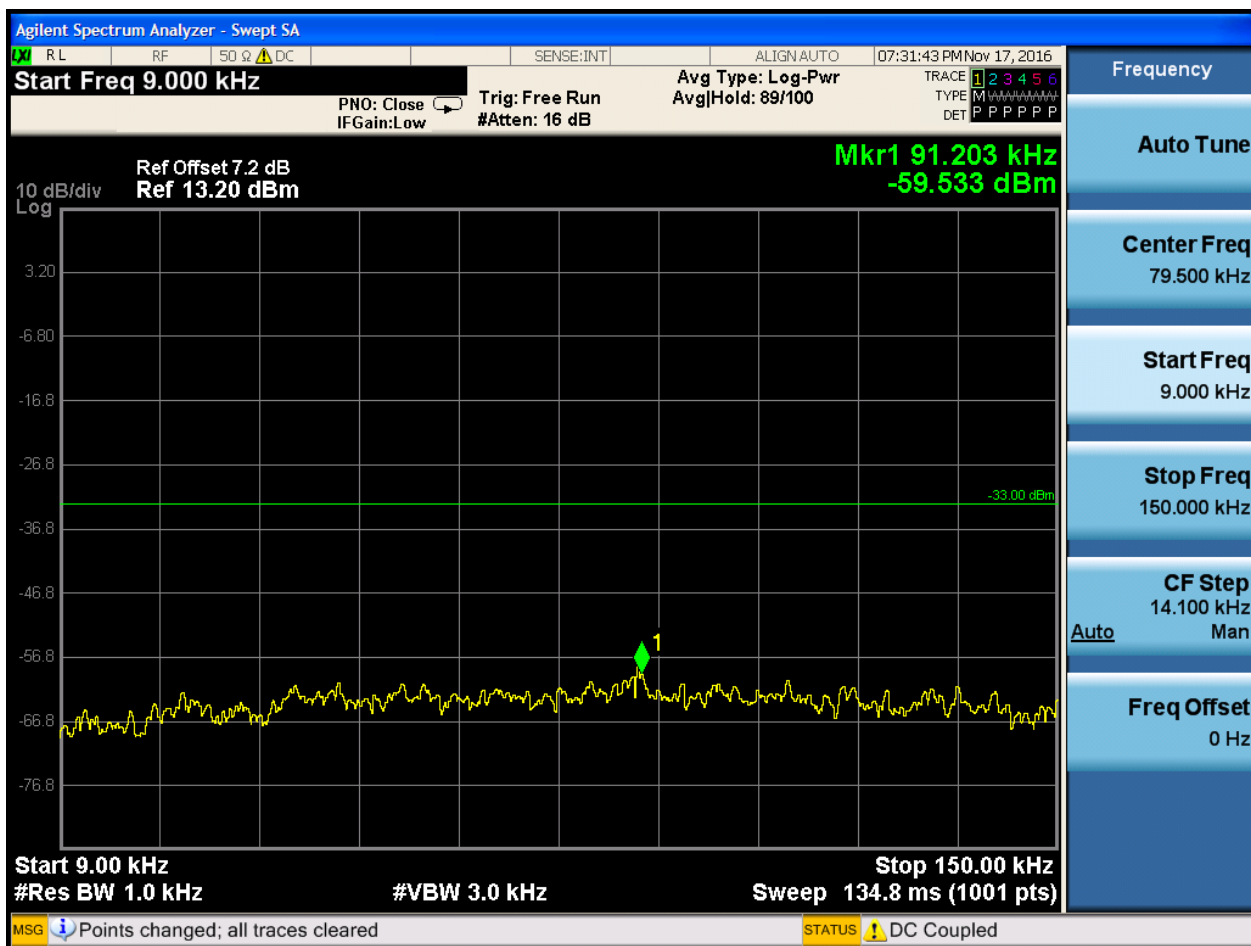


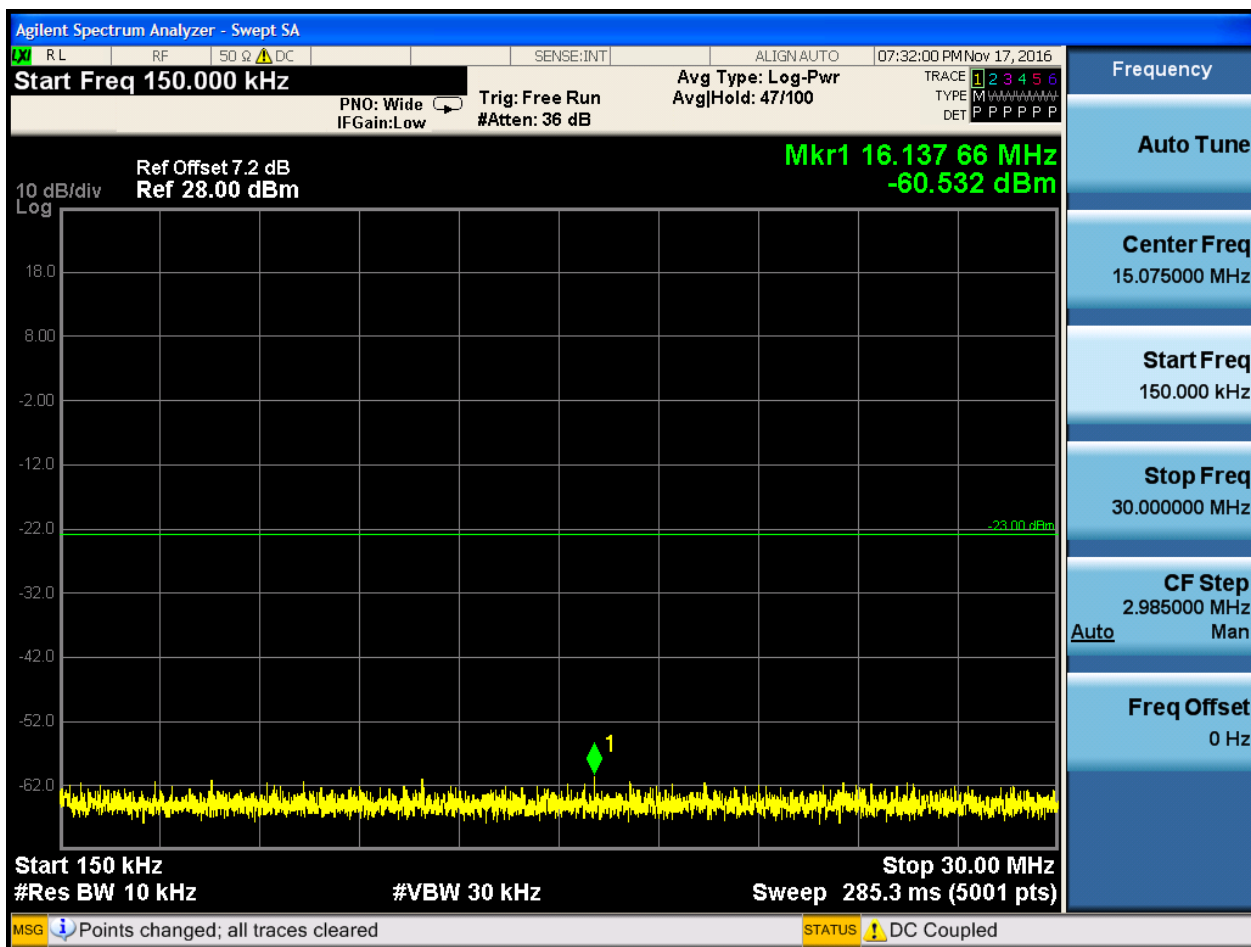


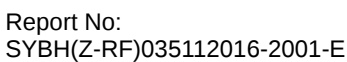


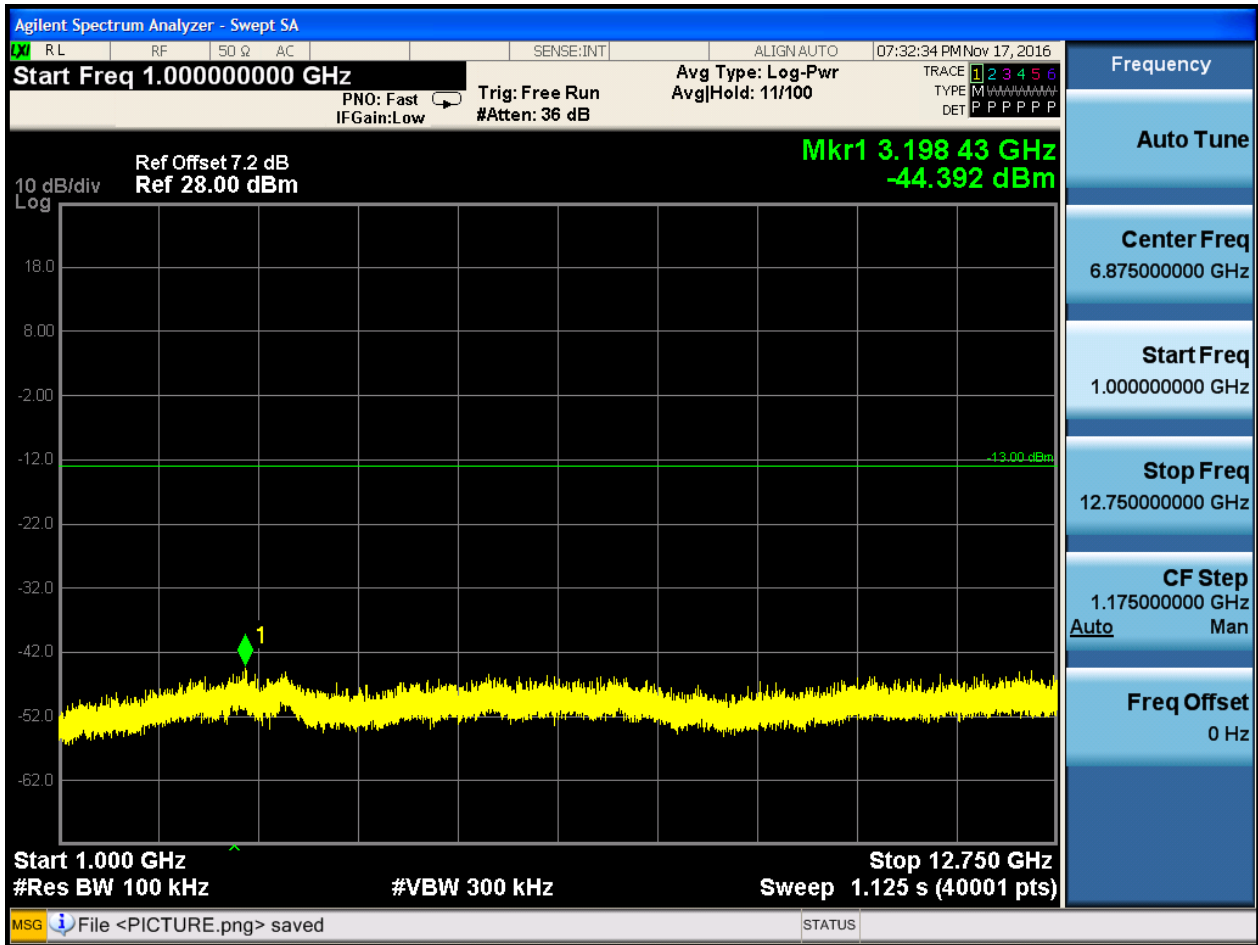
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







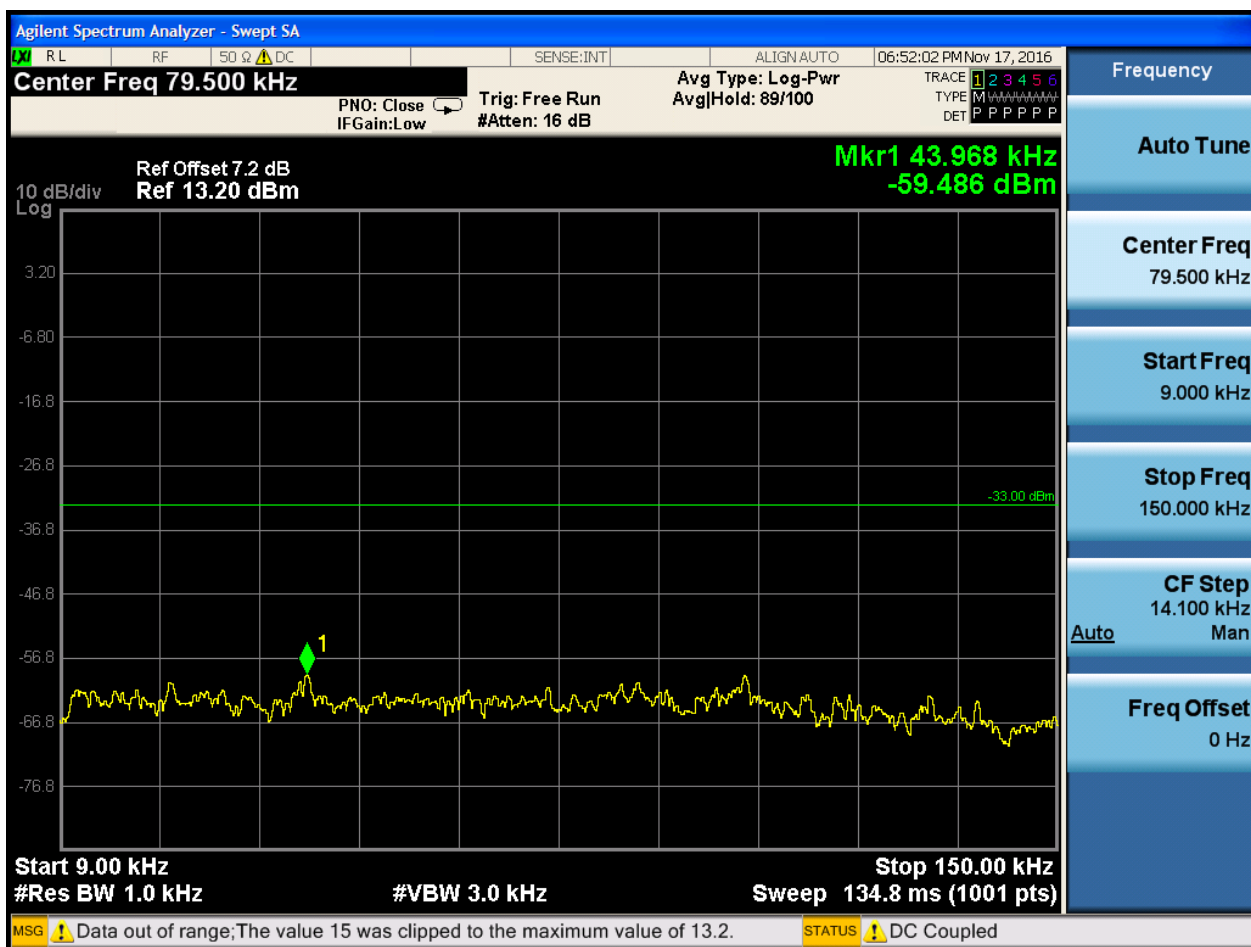


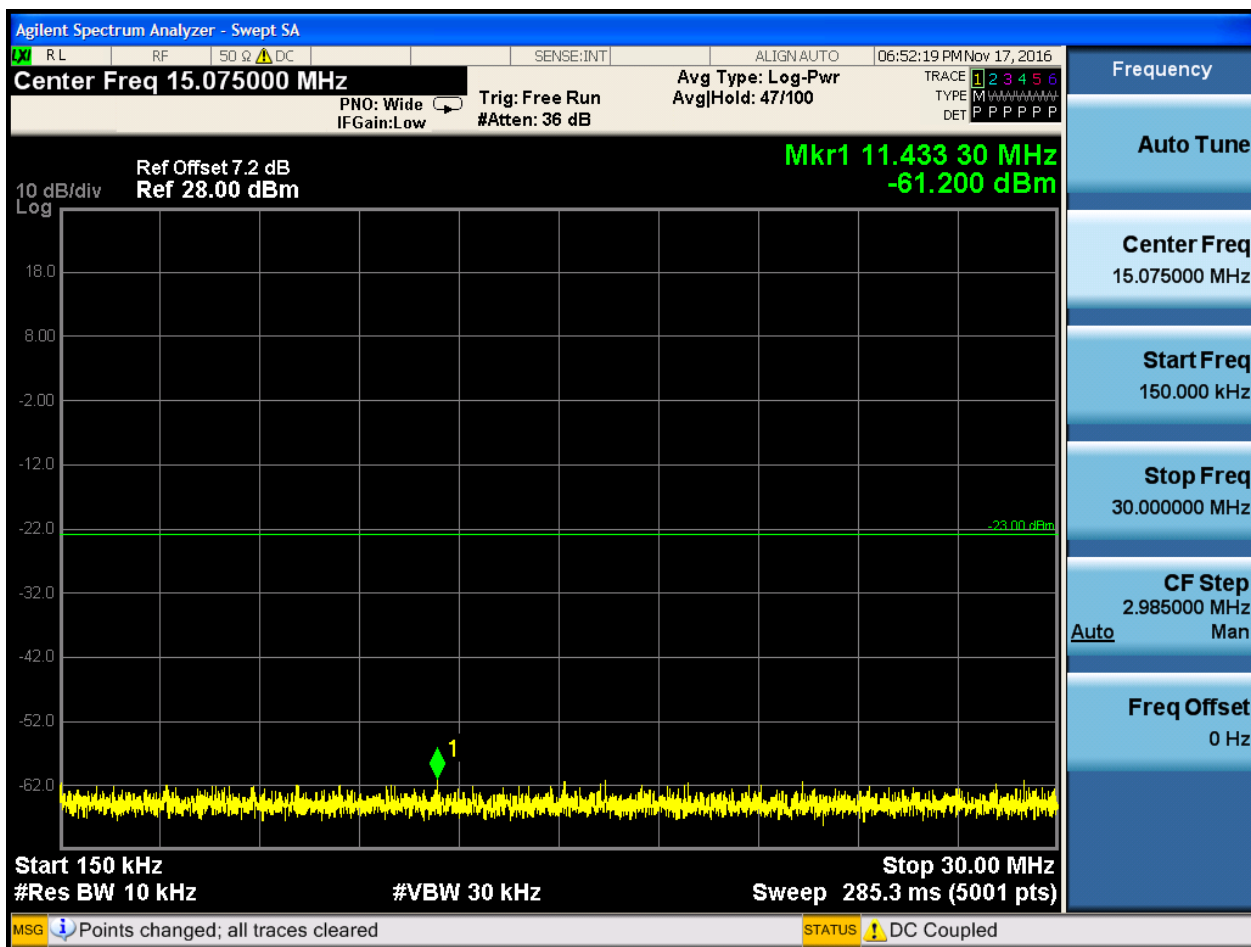
6.1.1.2 Test Mode = LTE/TM2

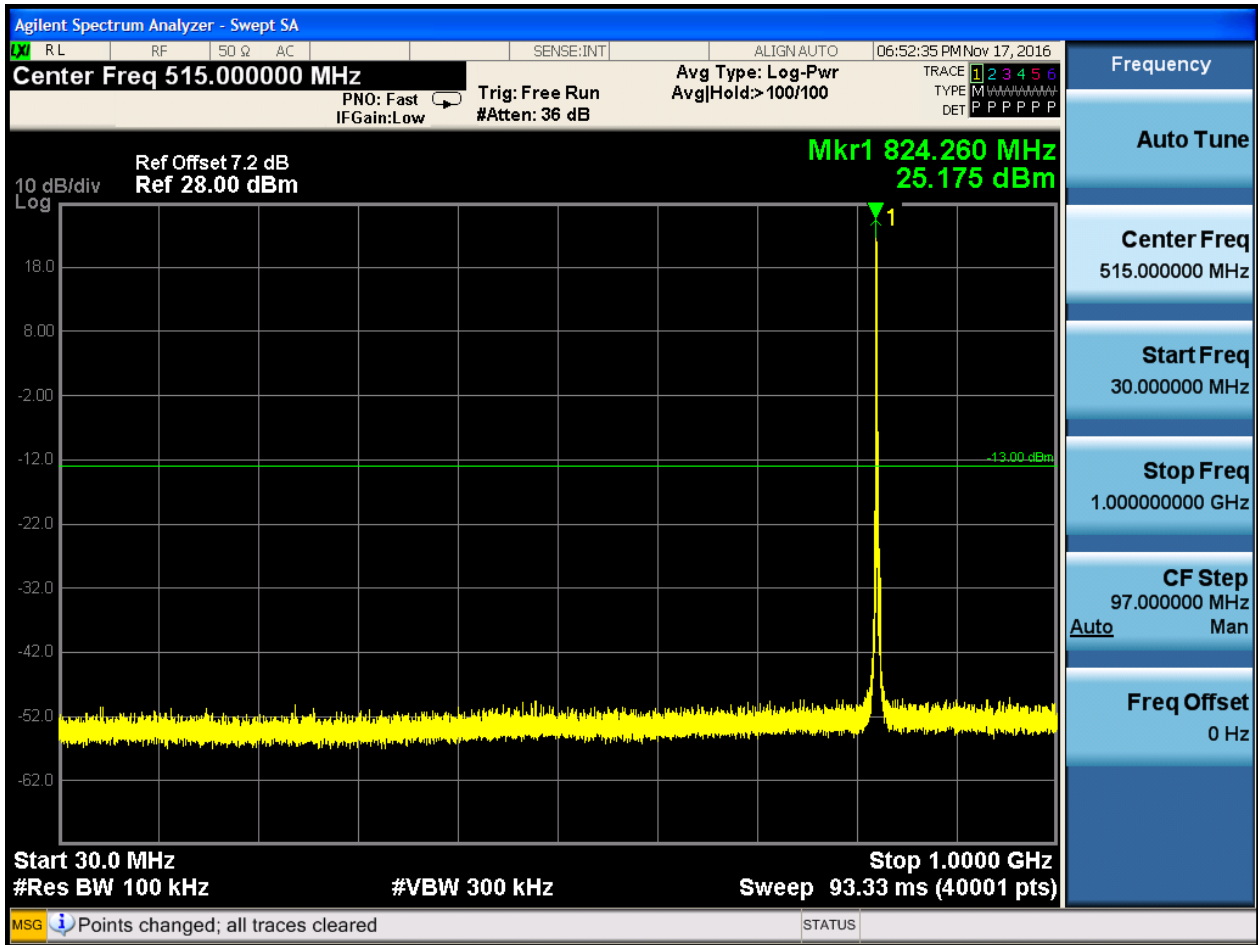
6.1.1.2.1 Test Bandwidth = 1.4

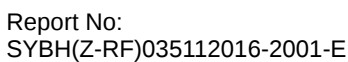
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





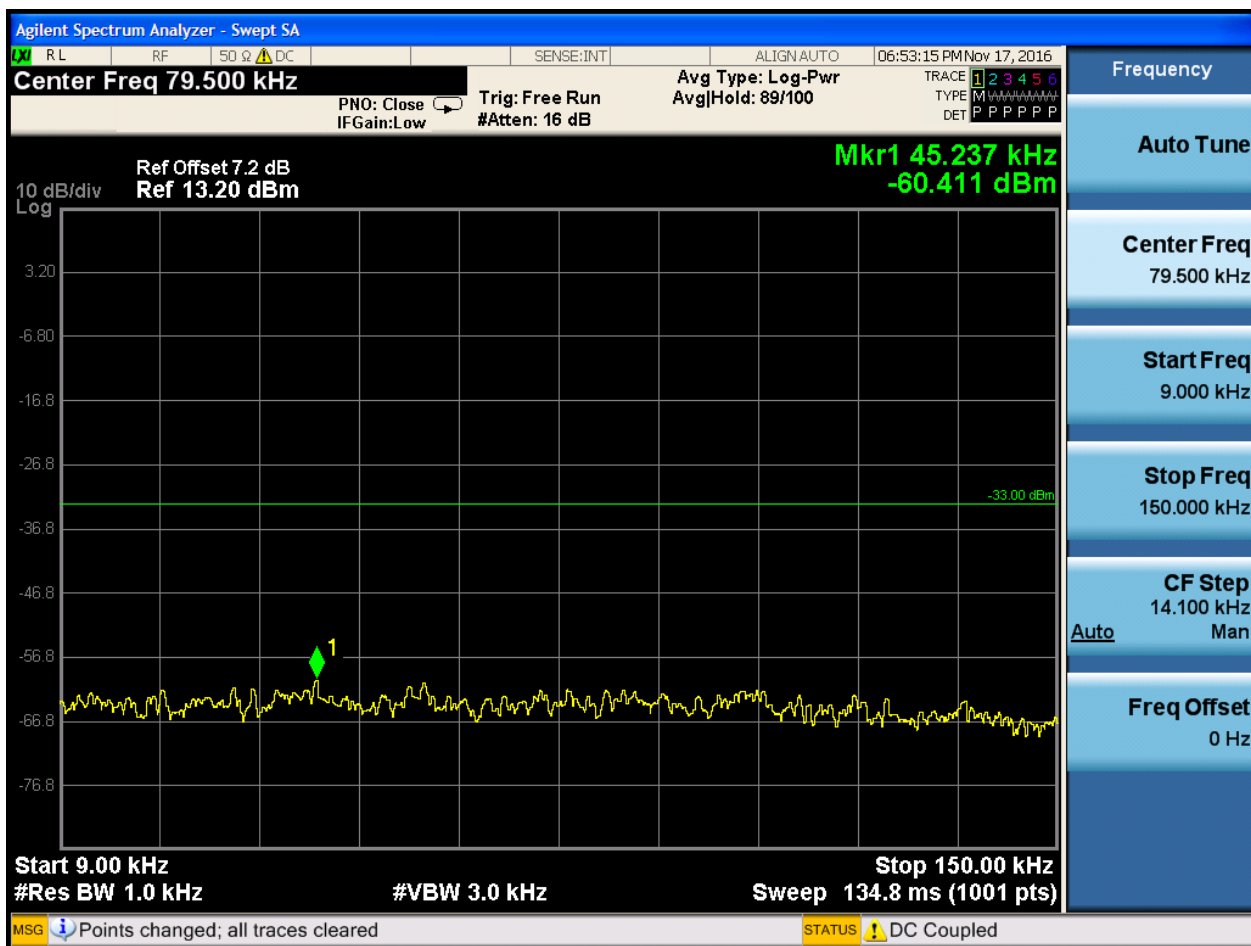


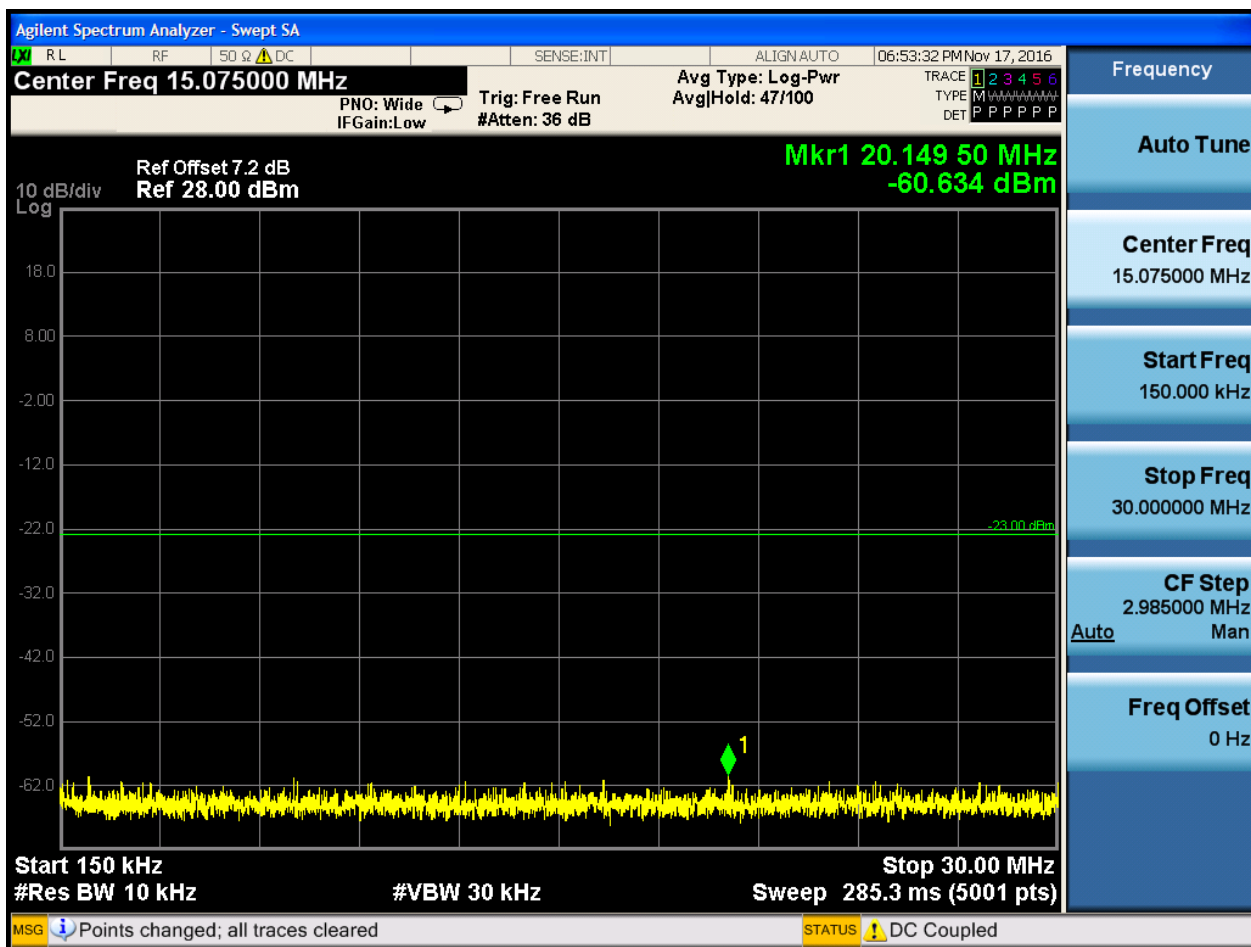


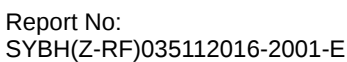


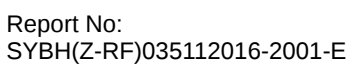
6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



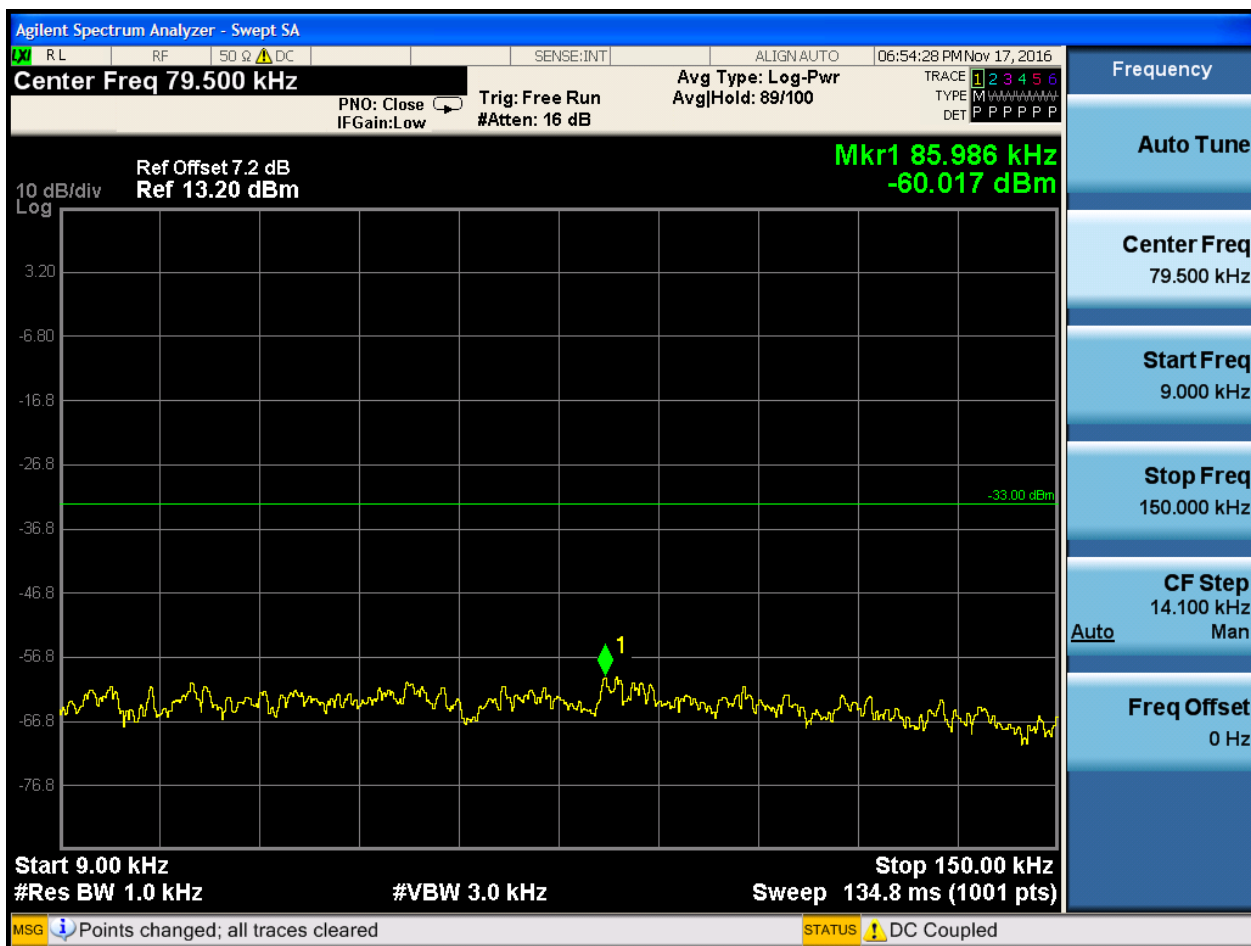


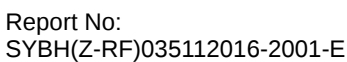


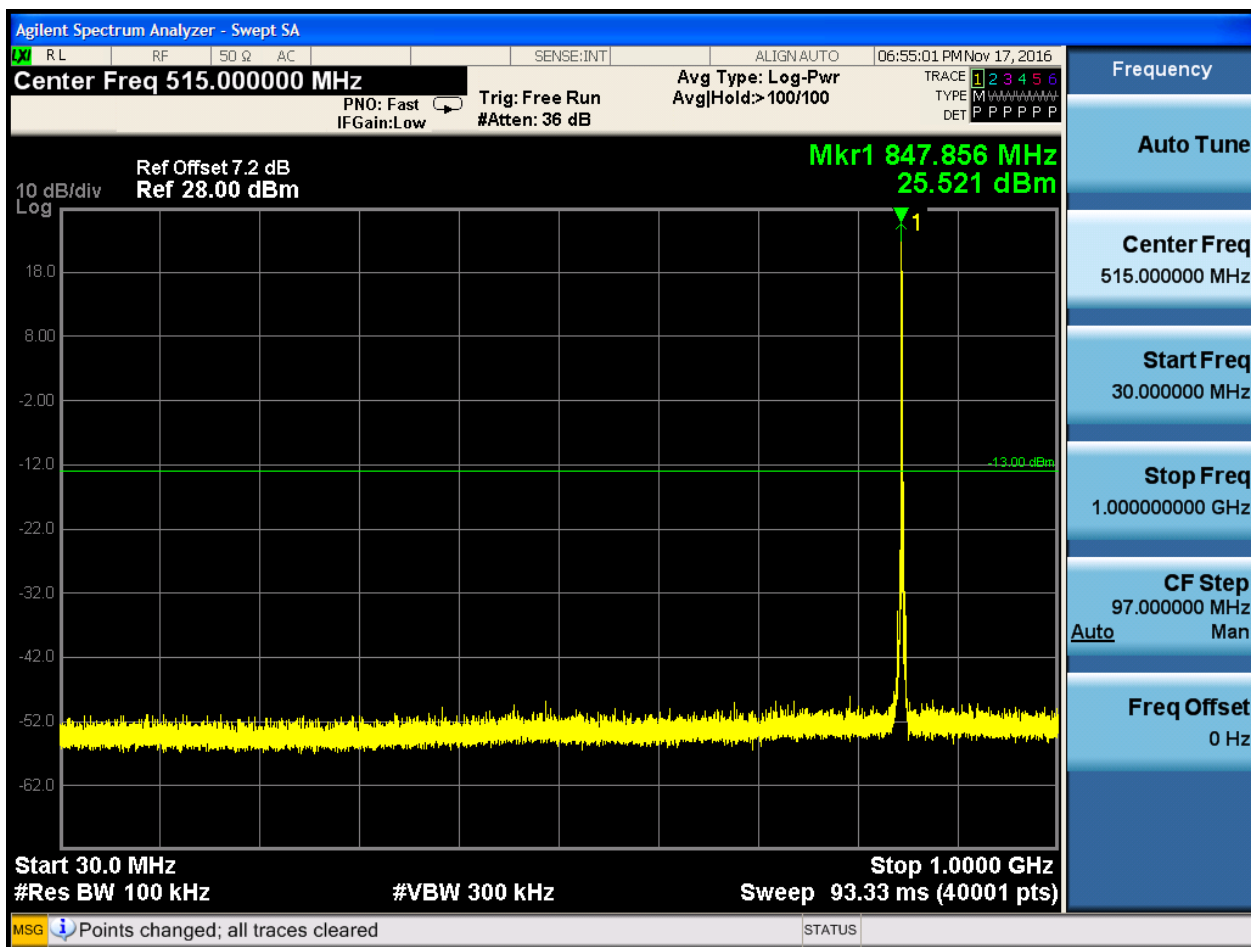


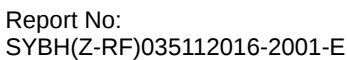
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.3.1 Test RB = RB1#0







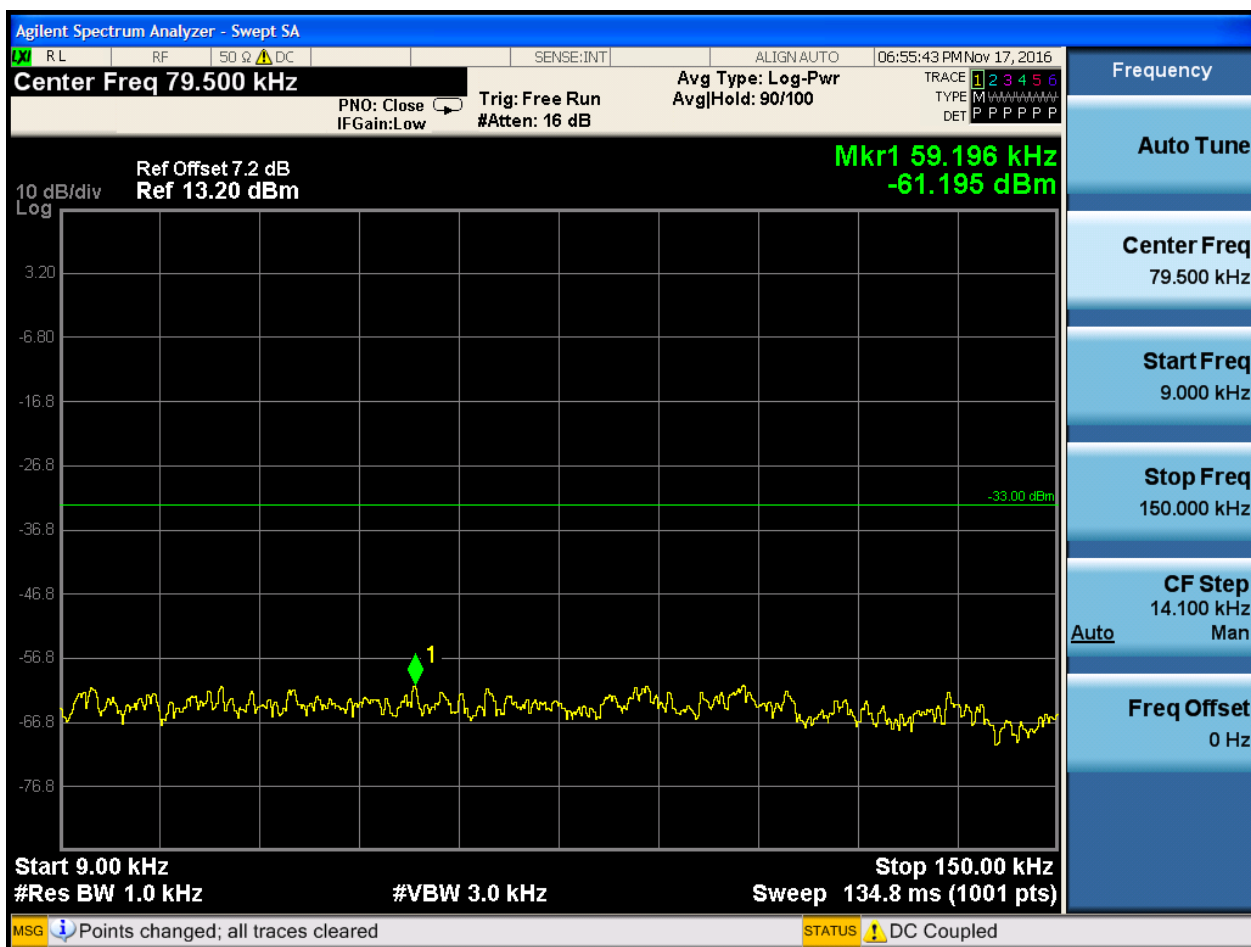


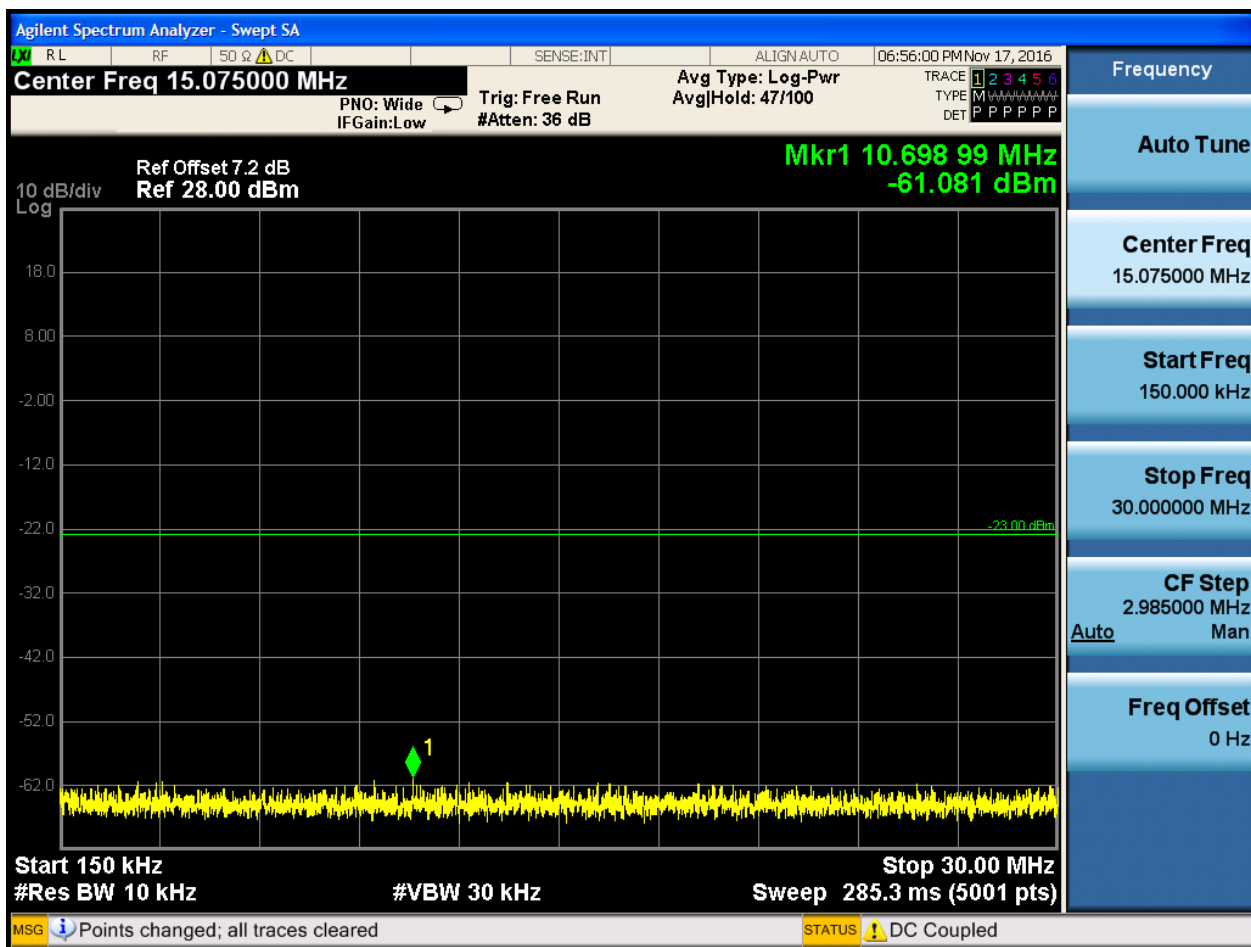


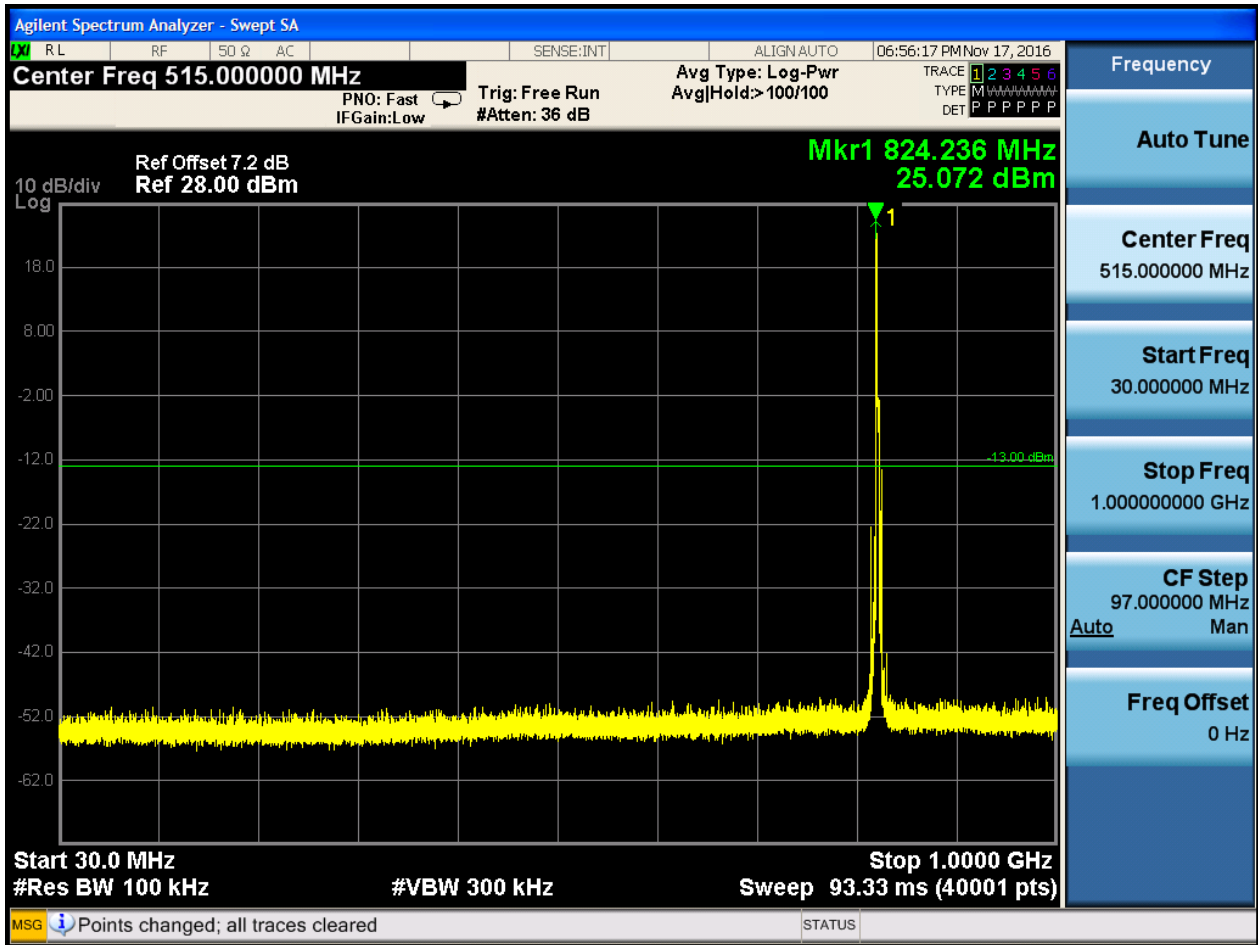
6.1.1.2.2 Test Bandwidth = 3

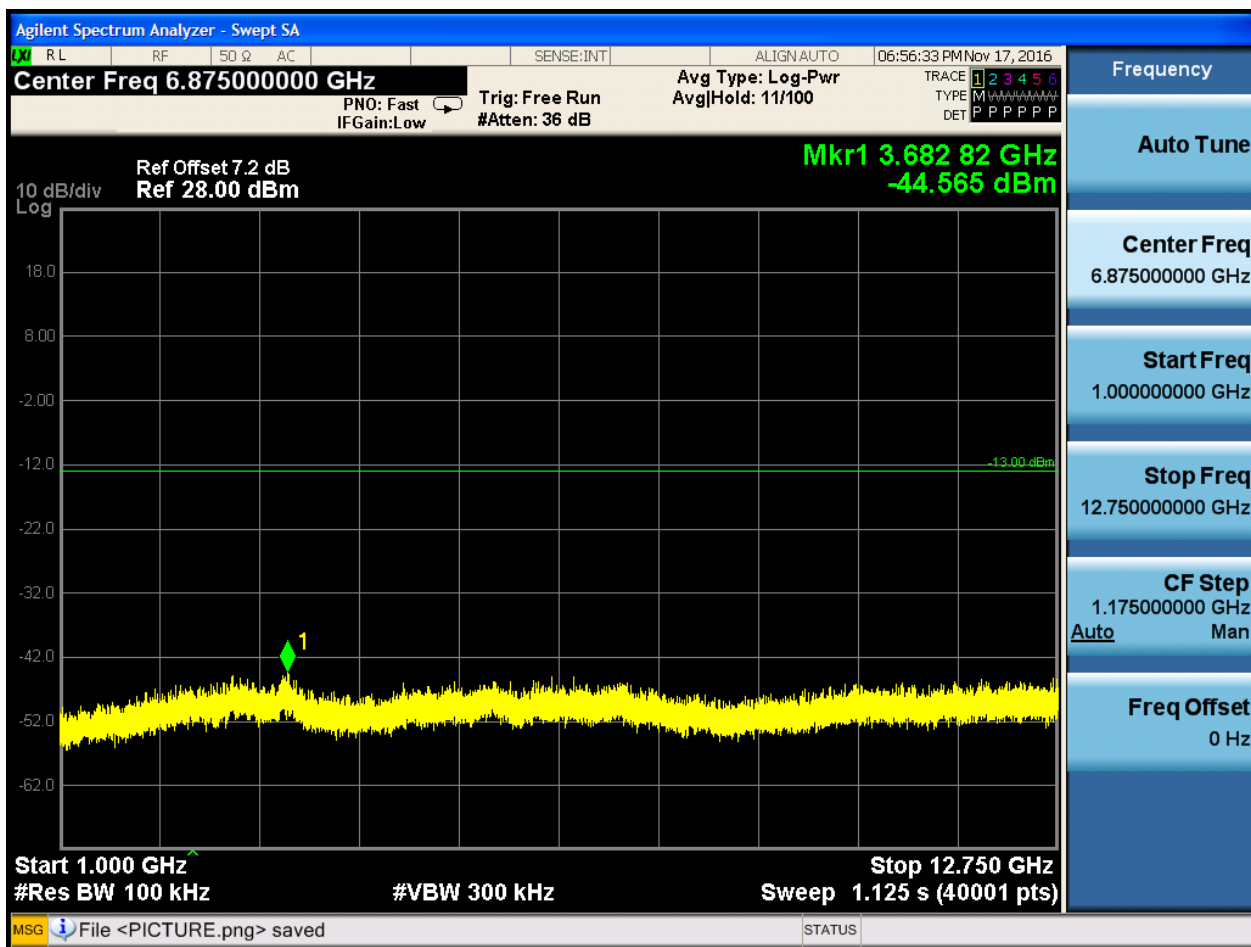
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



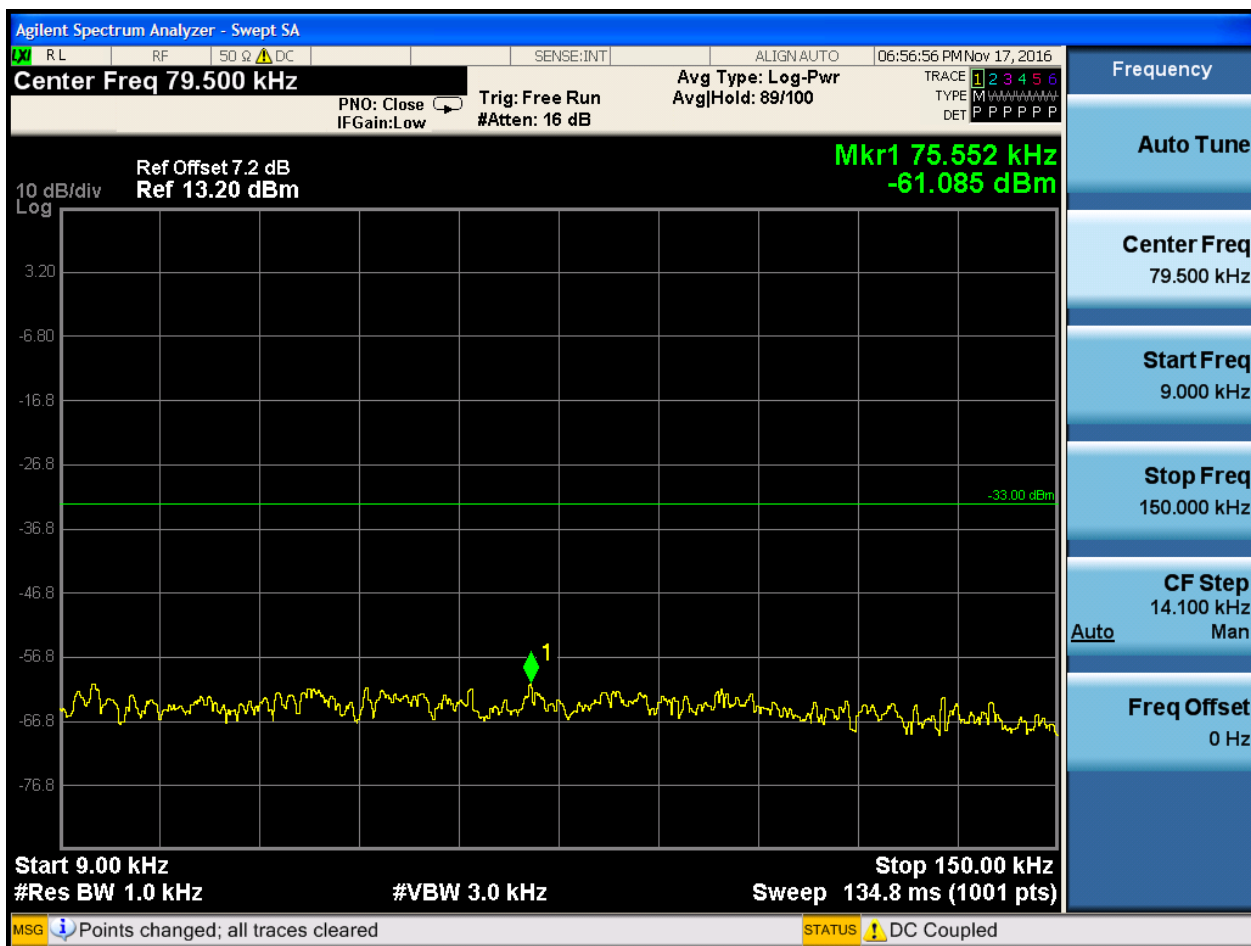


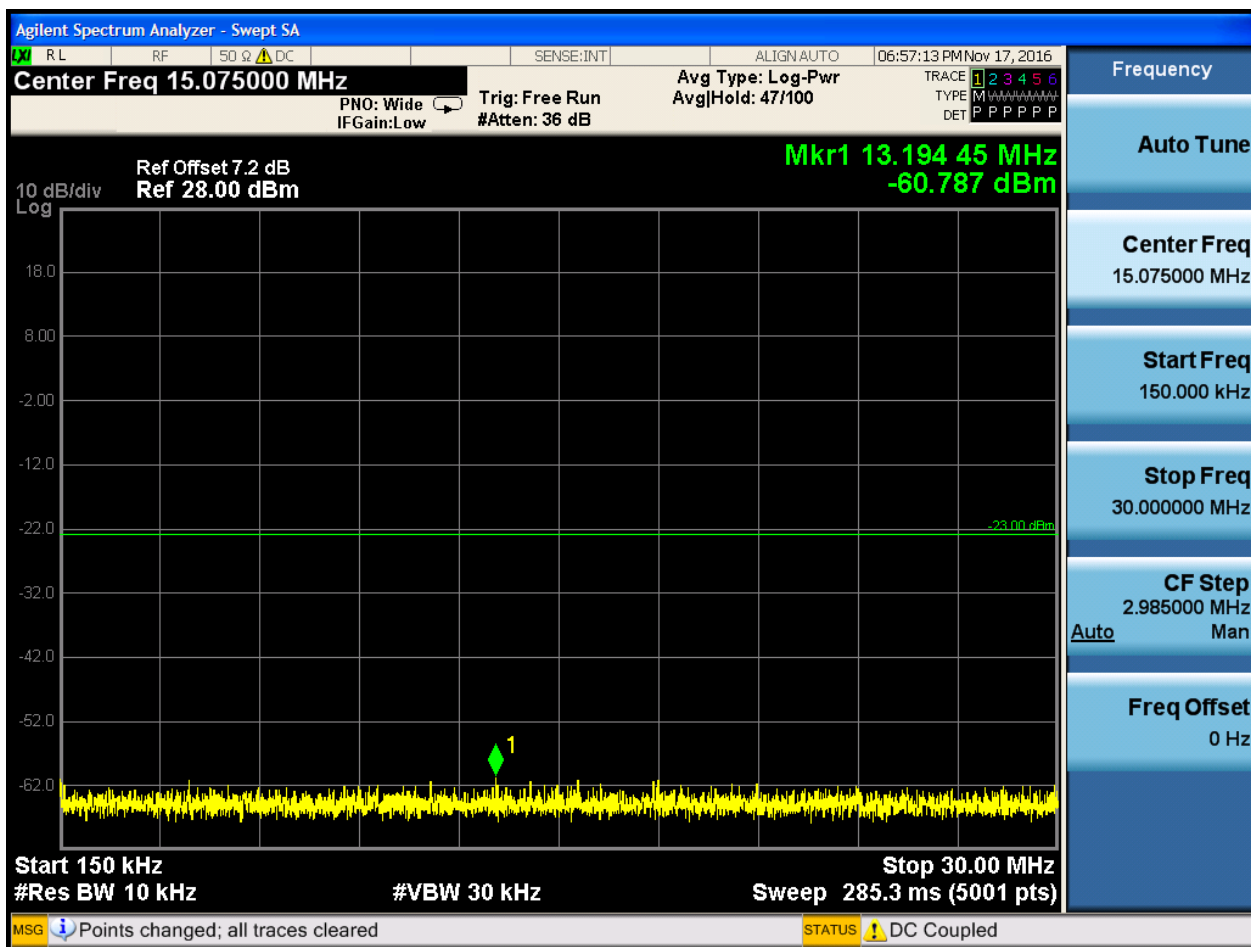


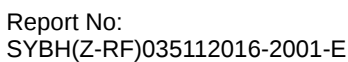


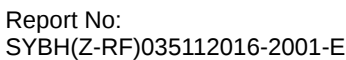
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



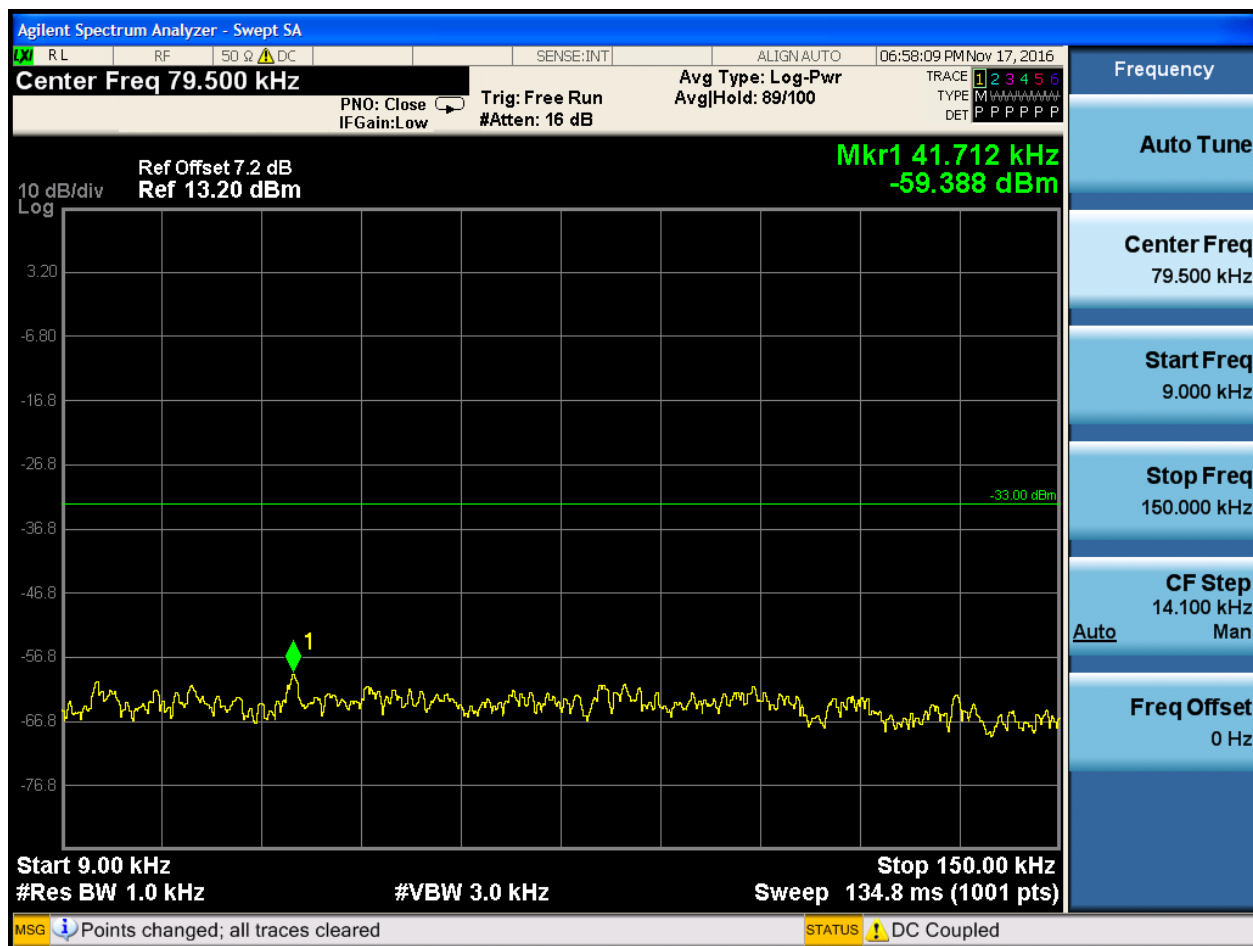


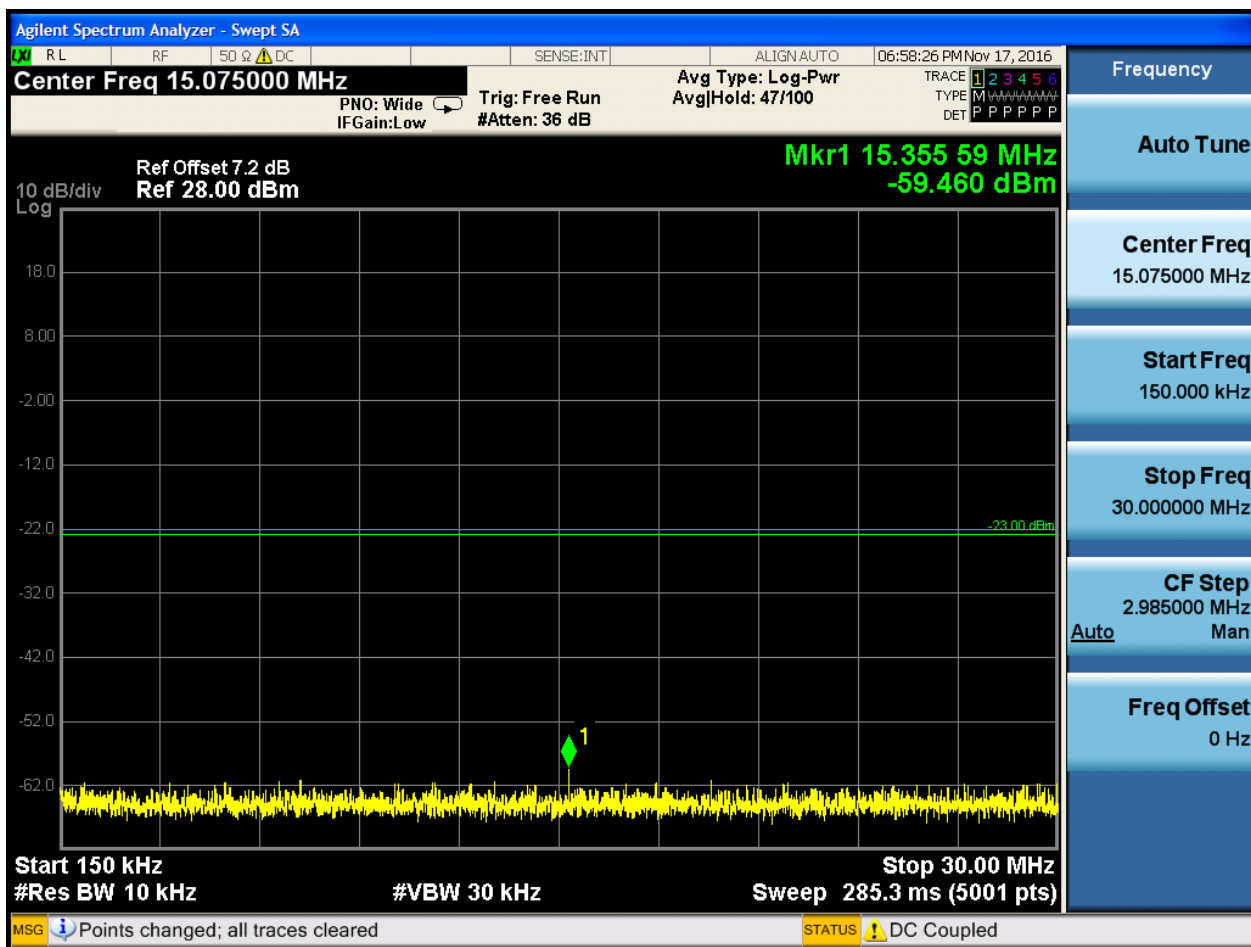


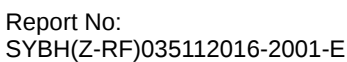


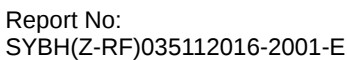
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







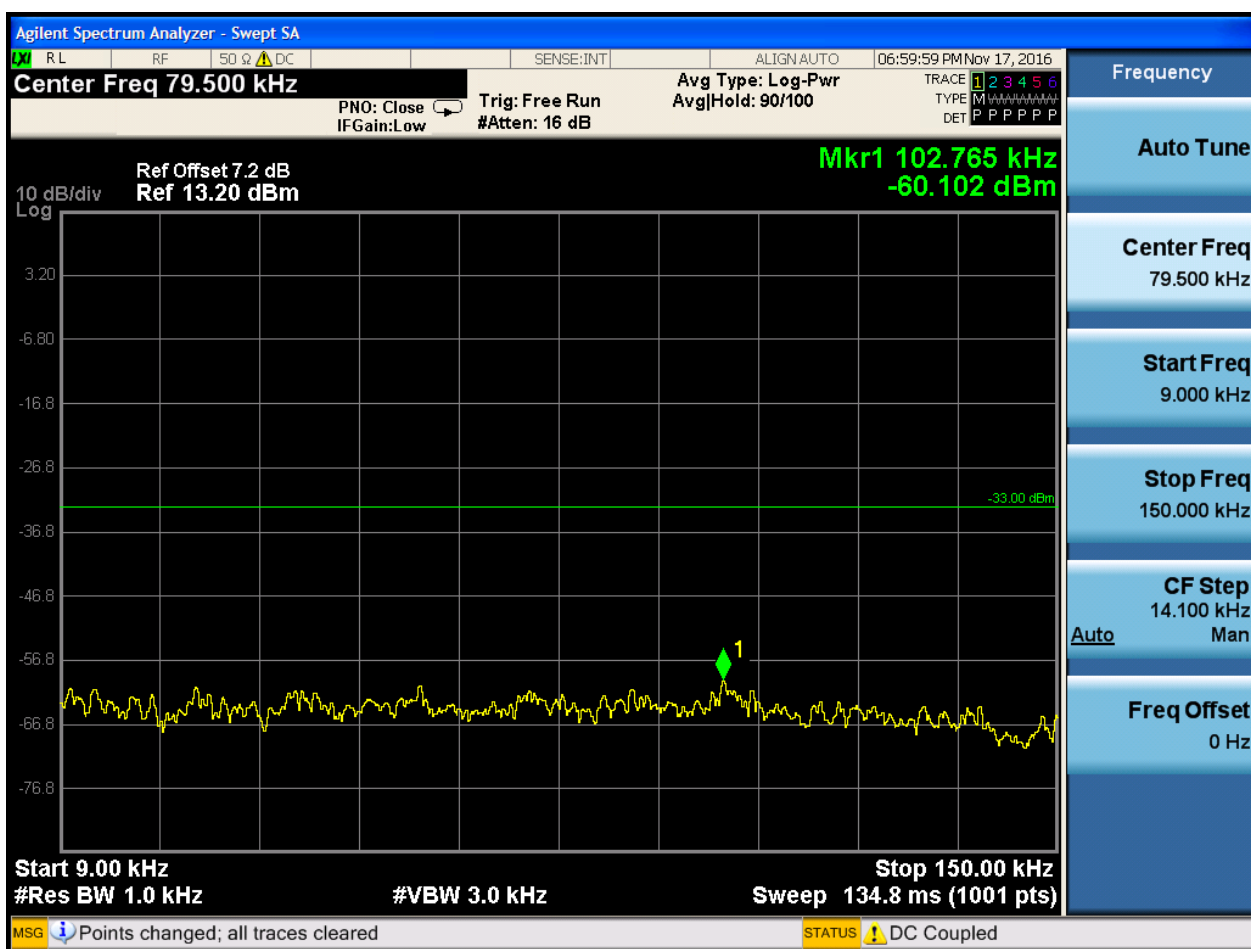


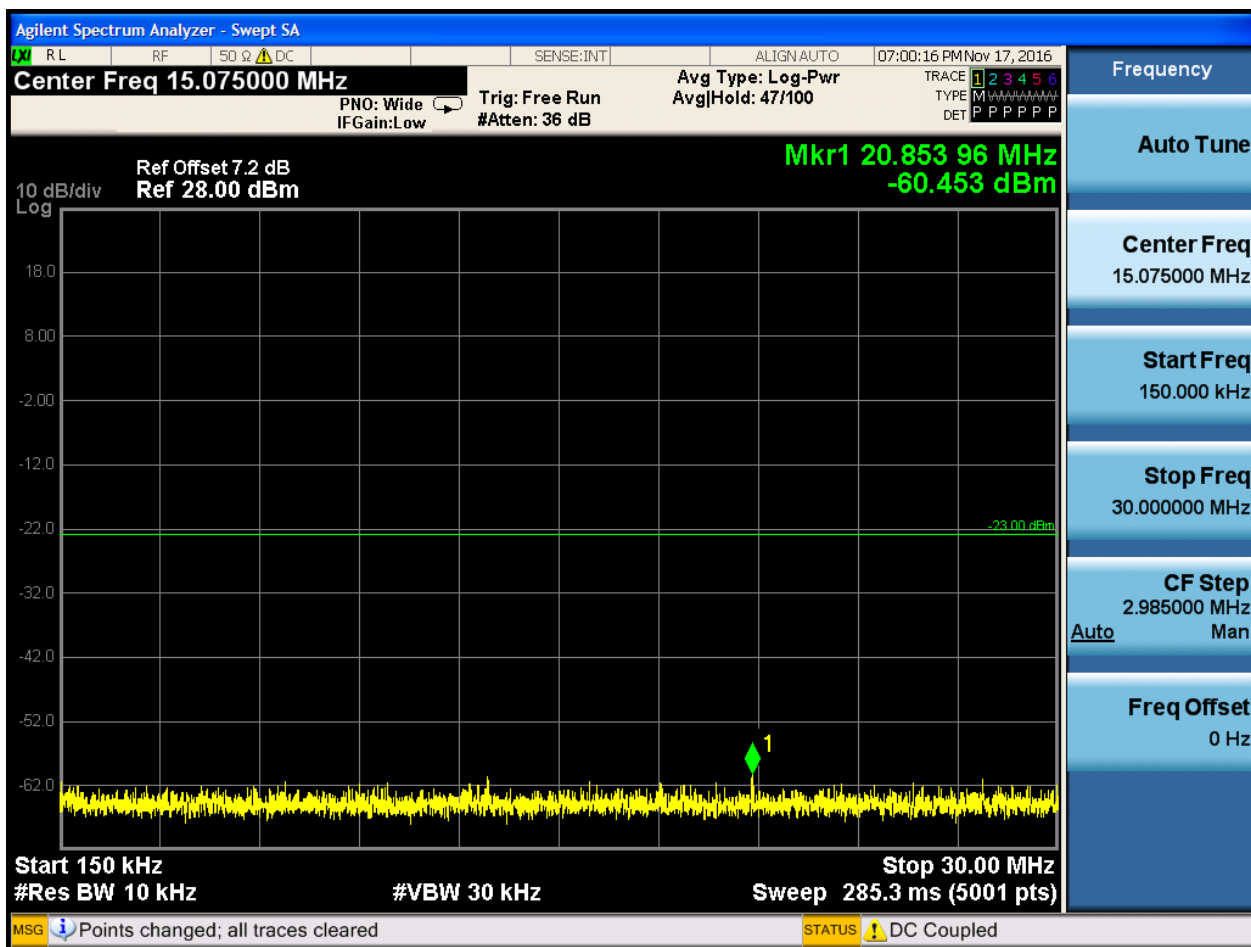


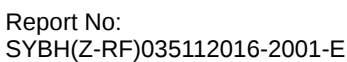
6.1.1.2.3 Test Bandwidth = 5

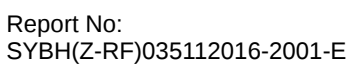
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



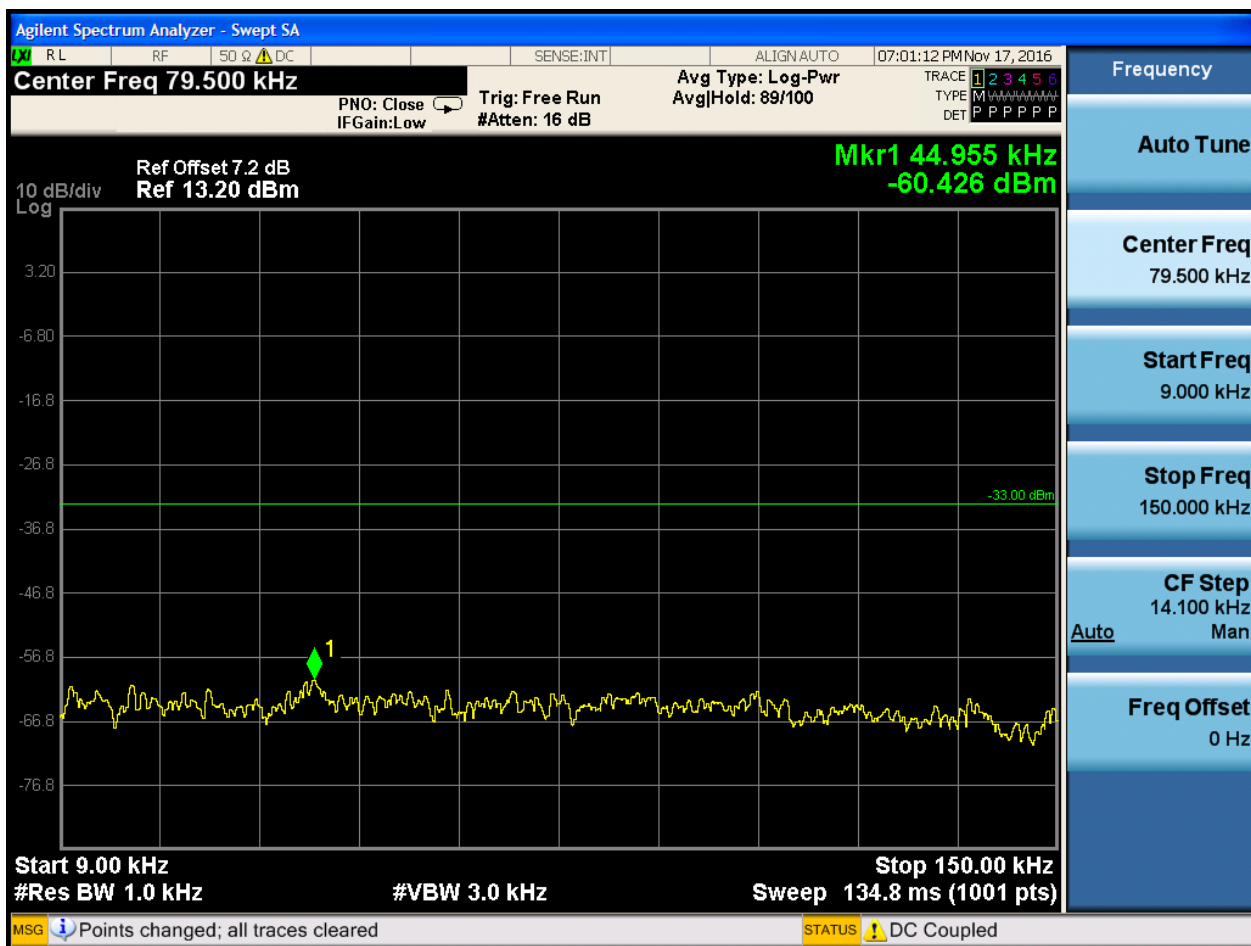


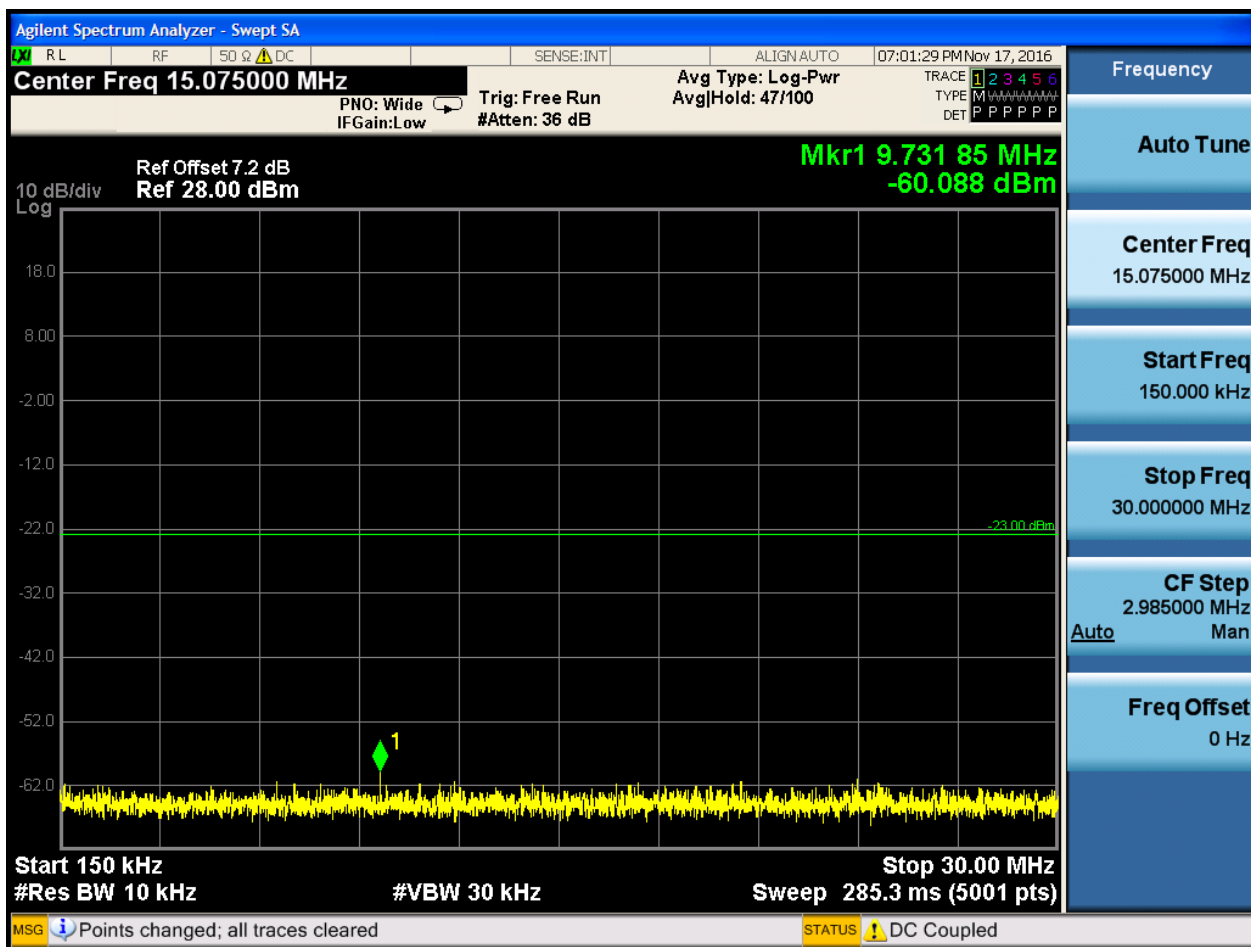


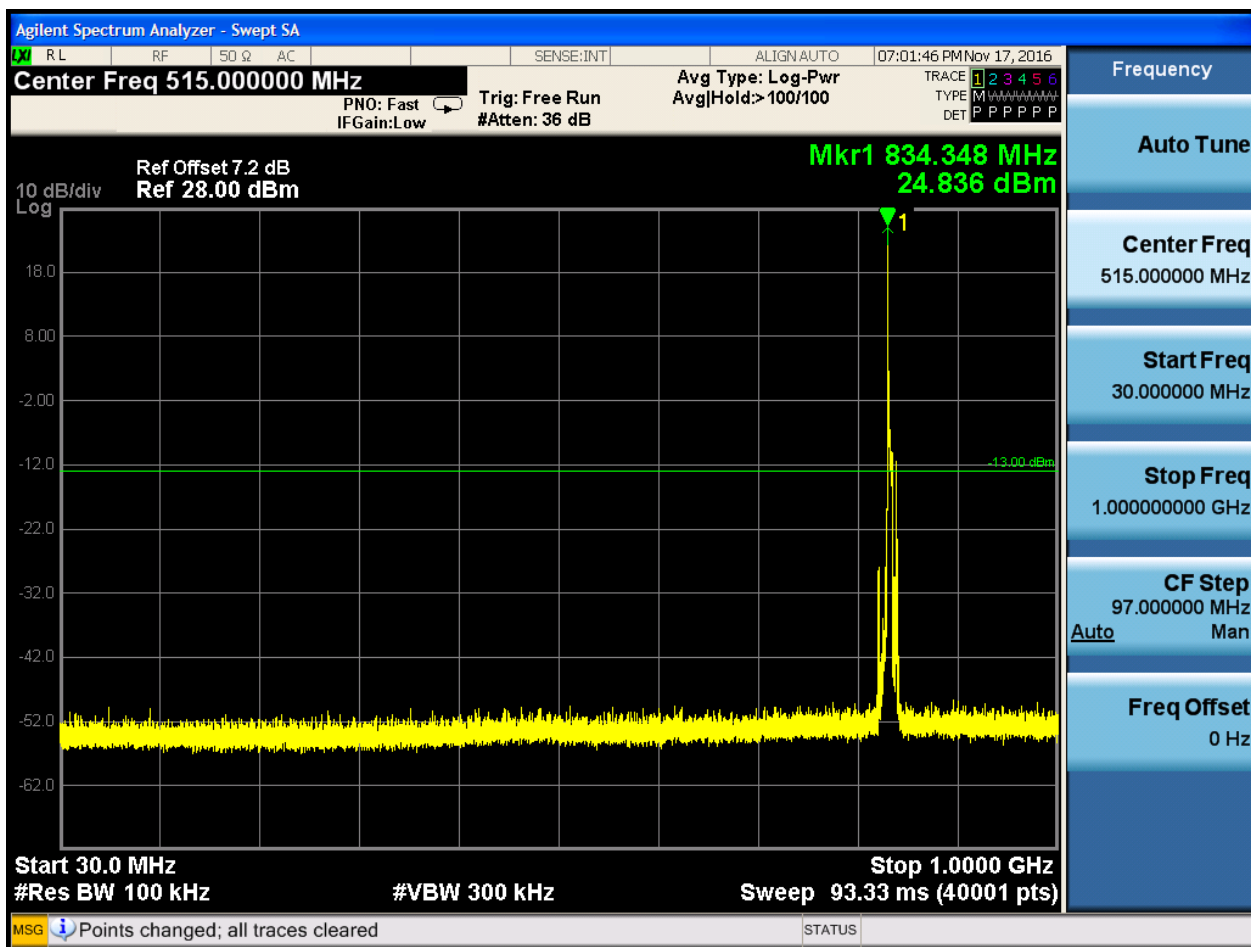


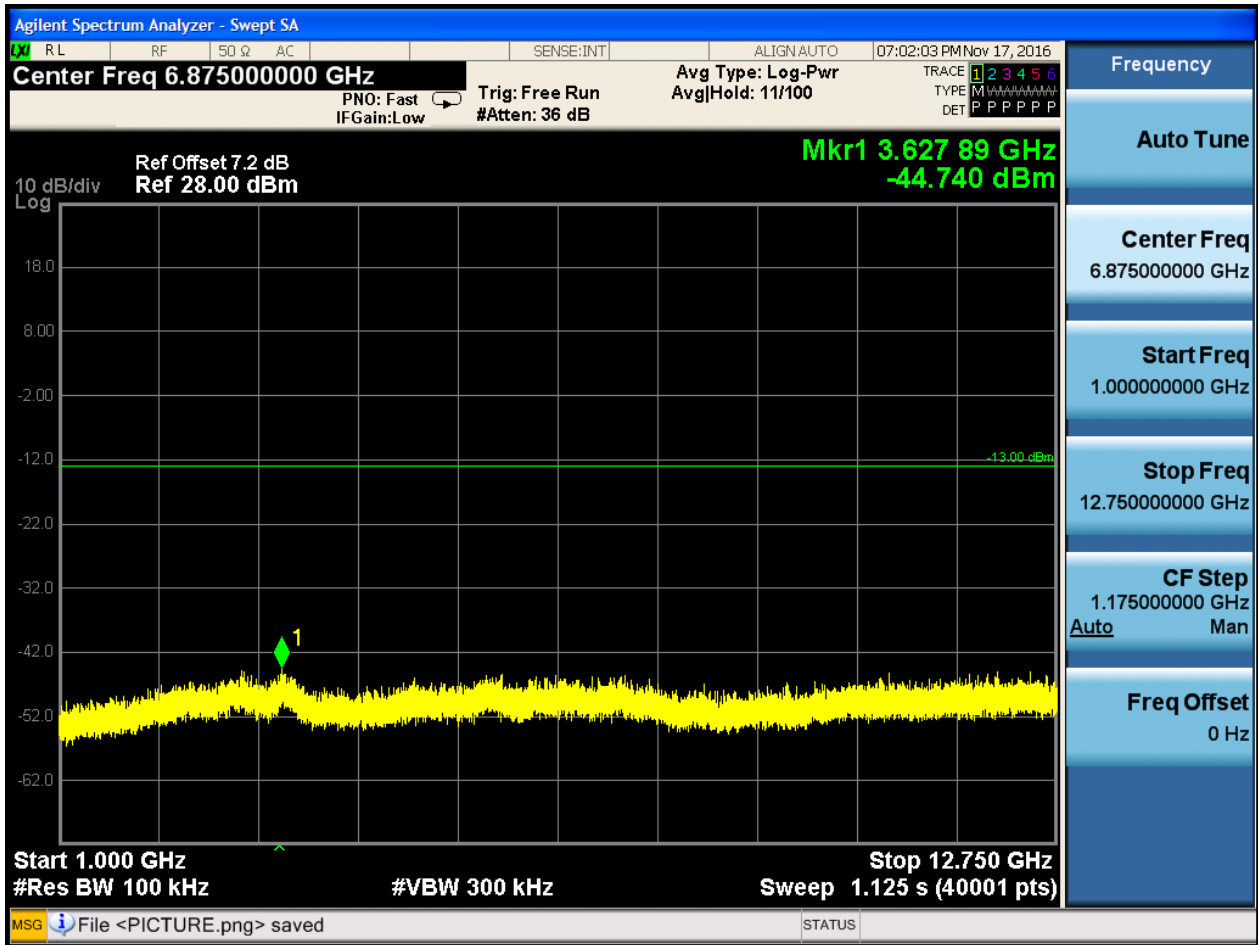
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





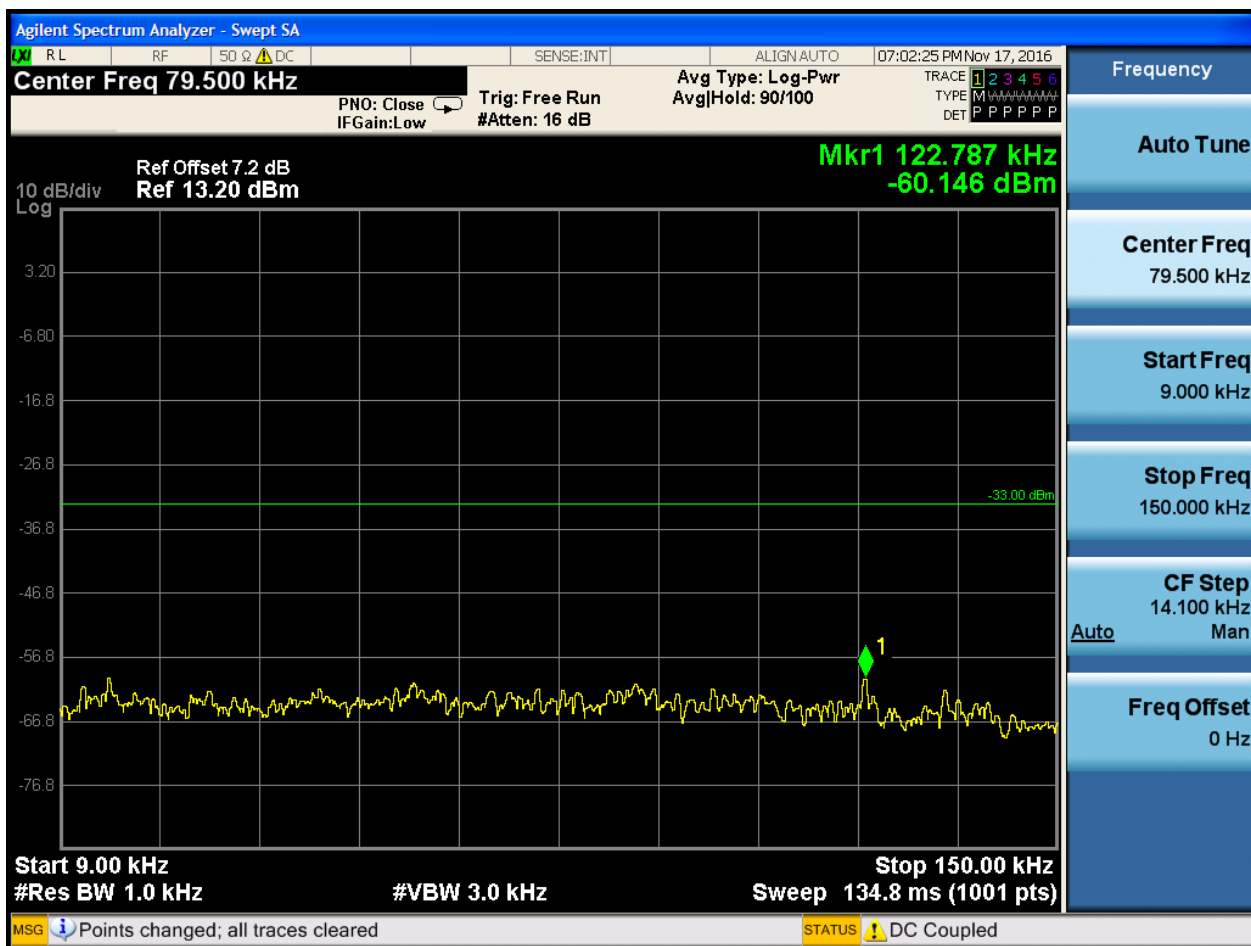


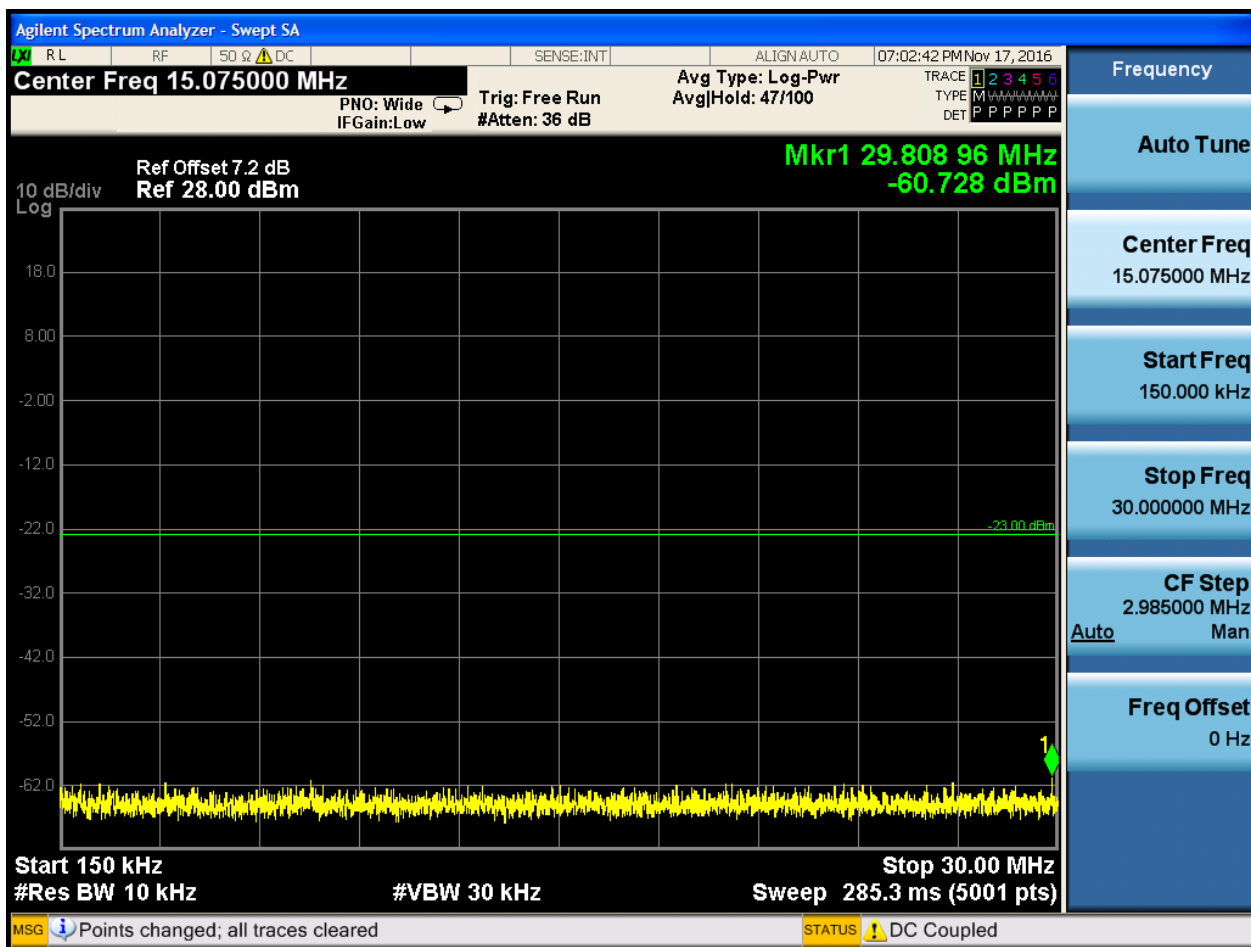


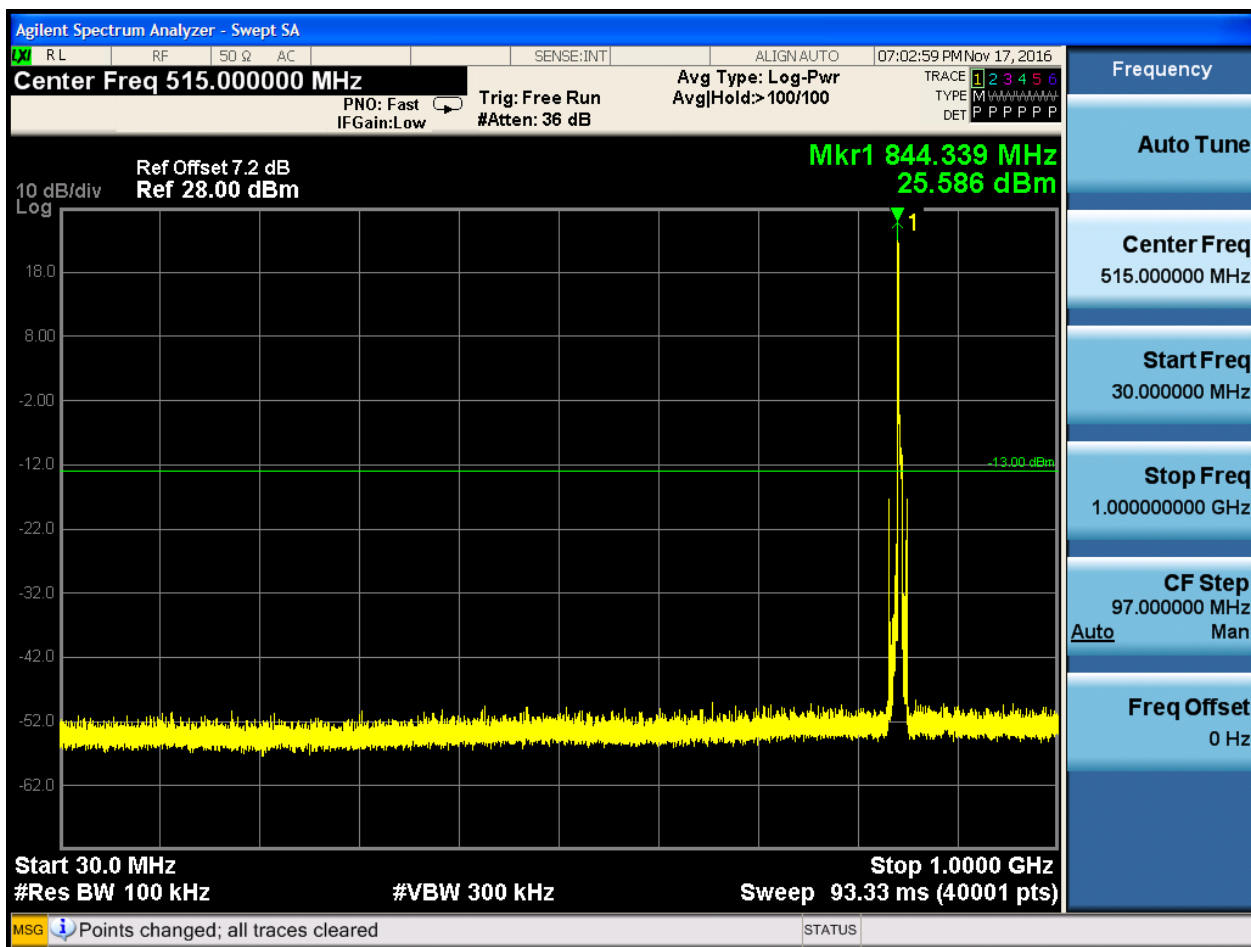


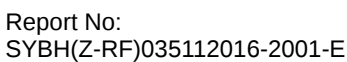
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





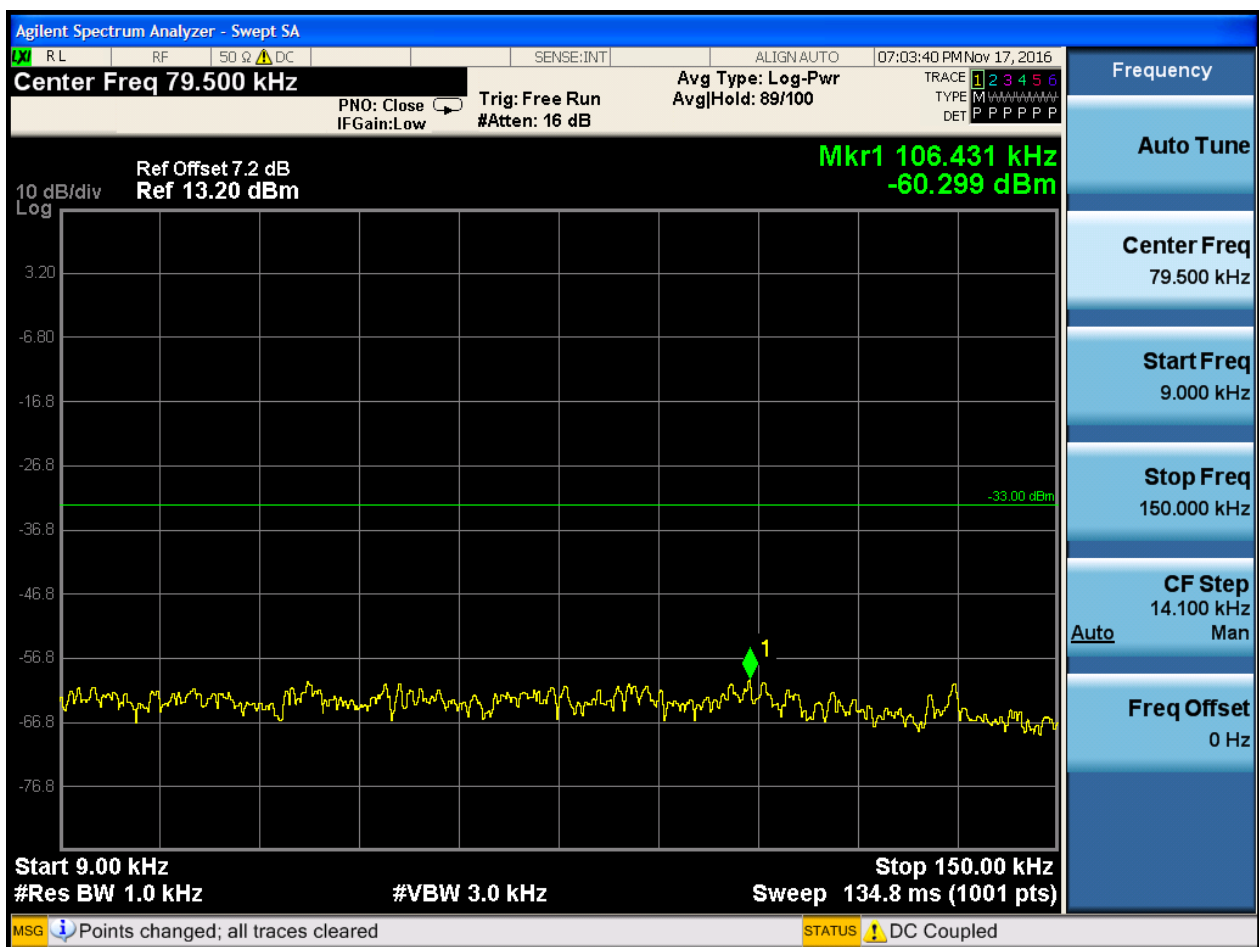


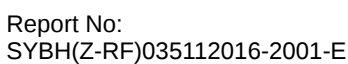


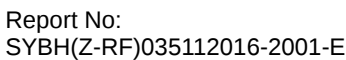
6.1.1.2.4 Test Bandwidth = 10

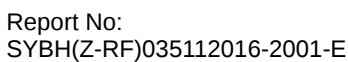
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





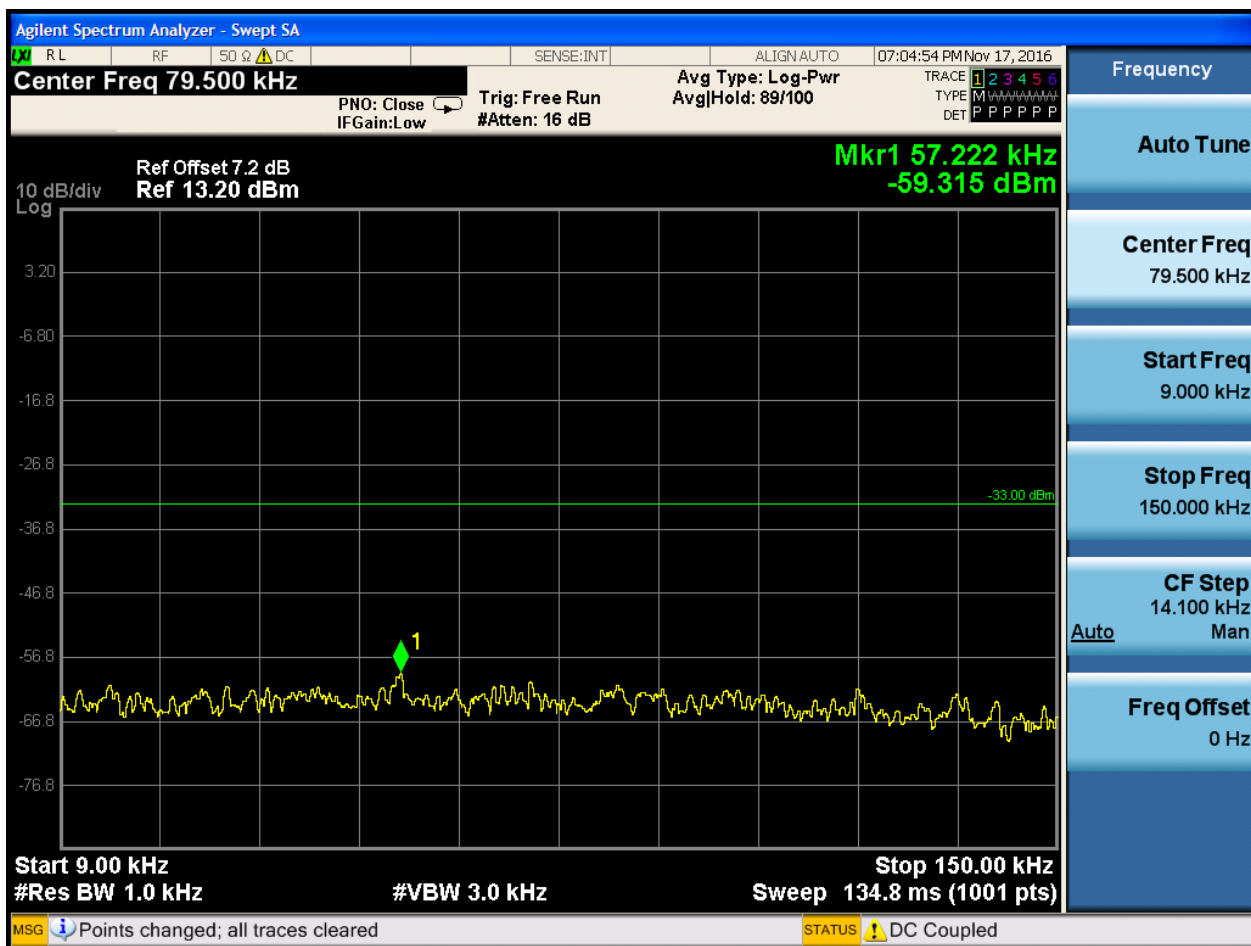


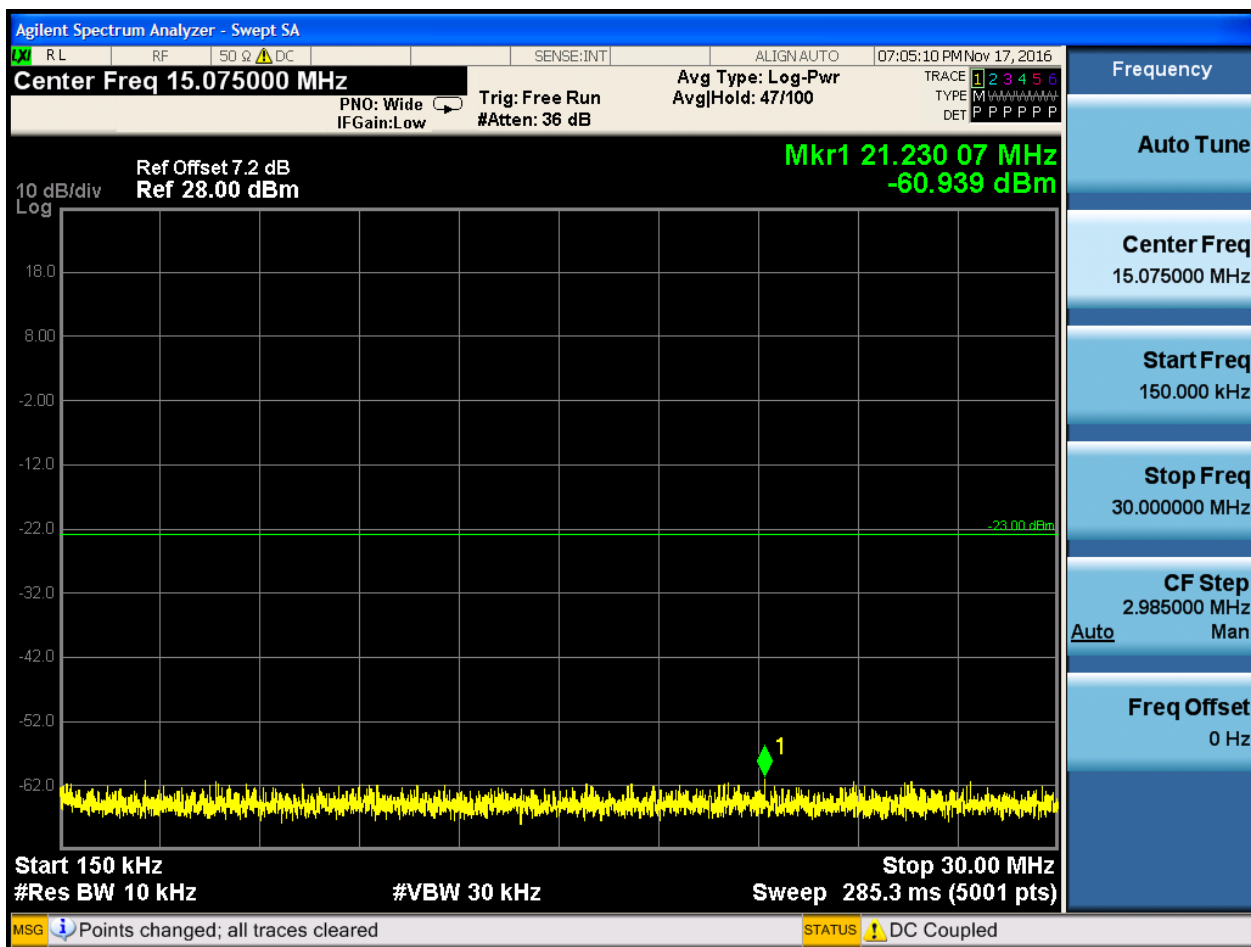


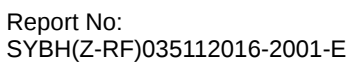


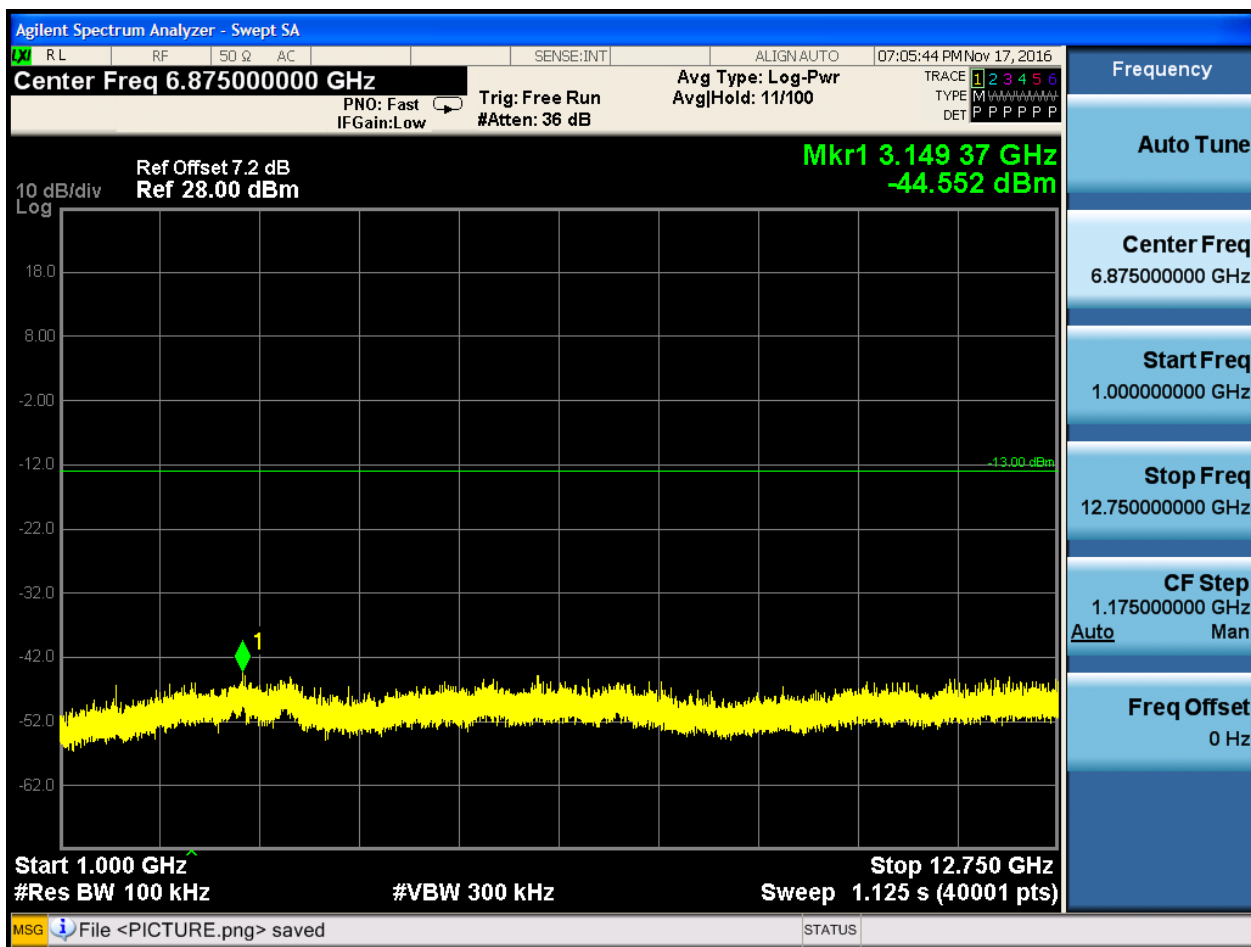
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





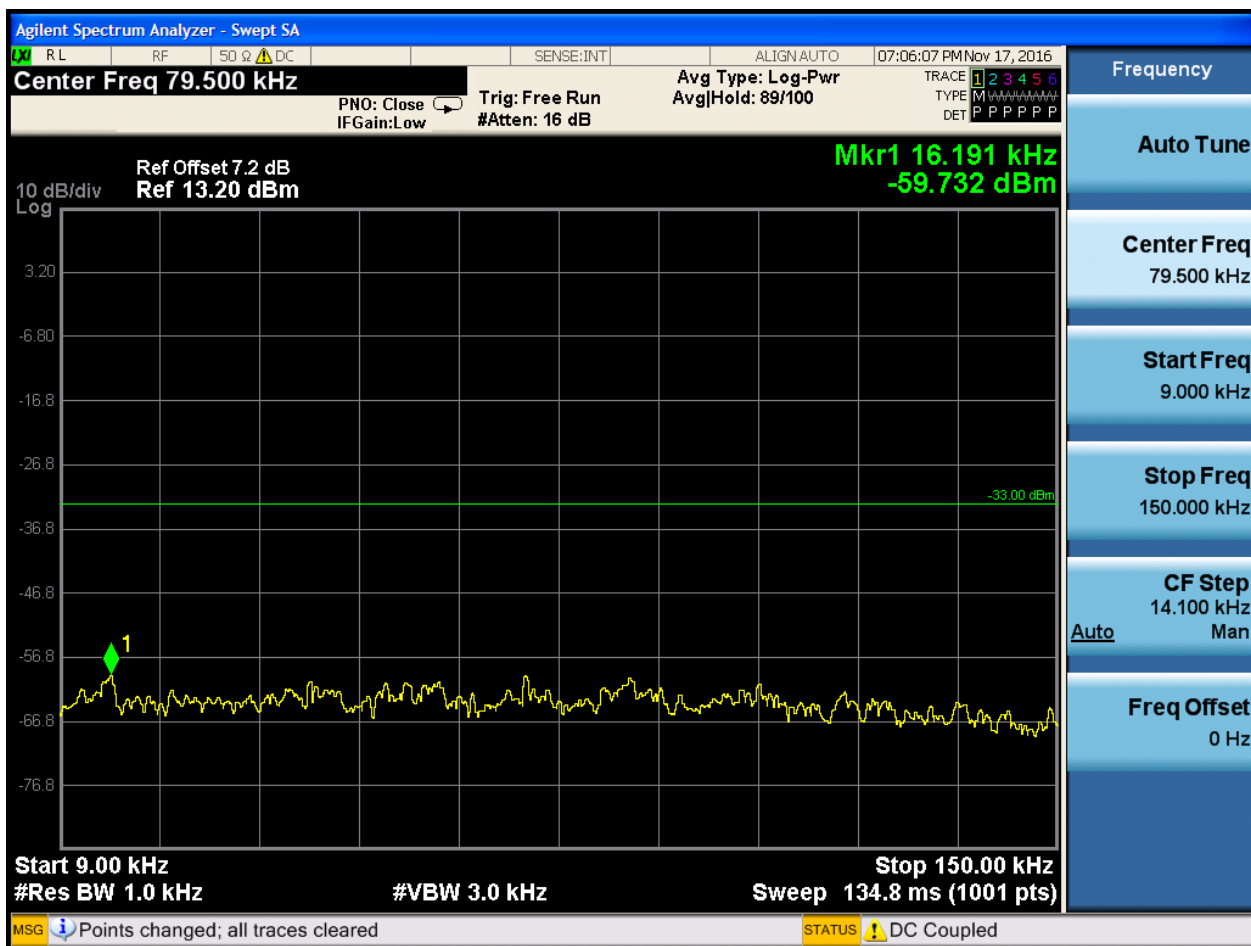


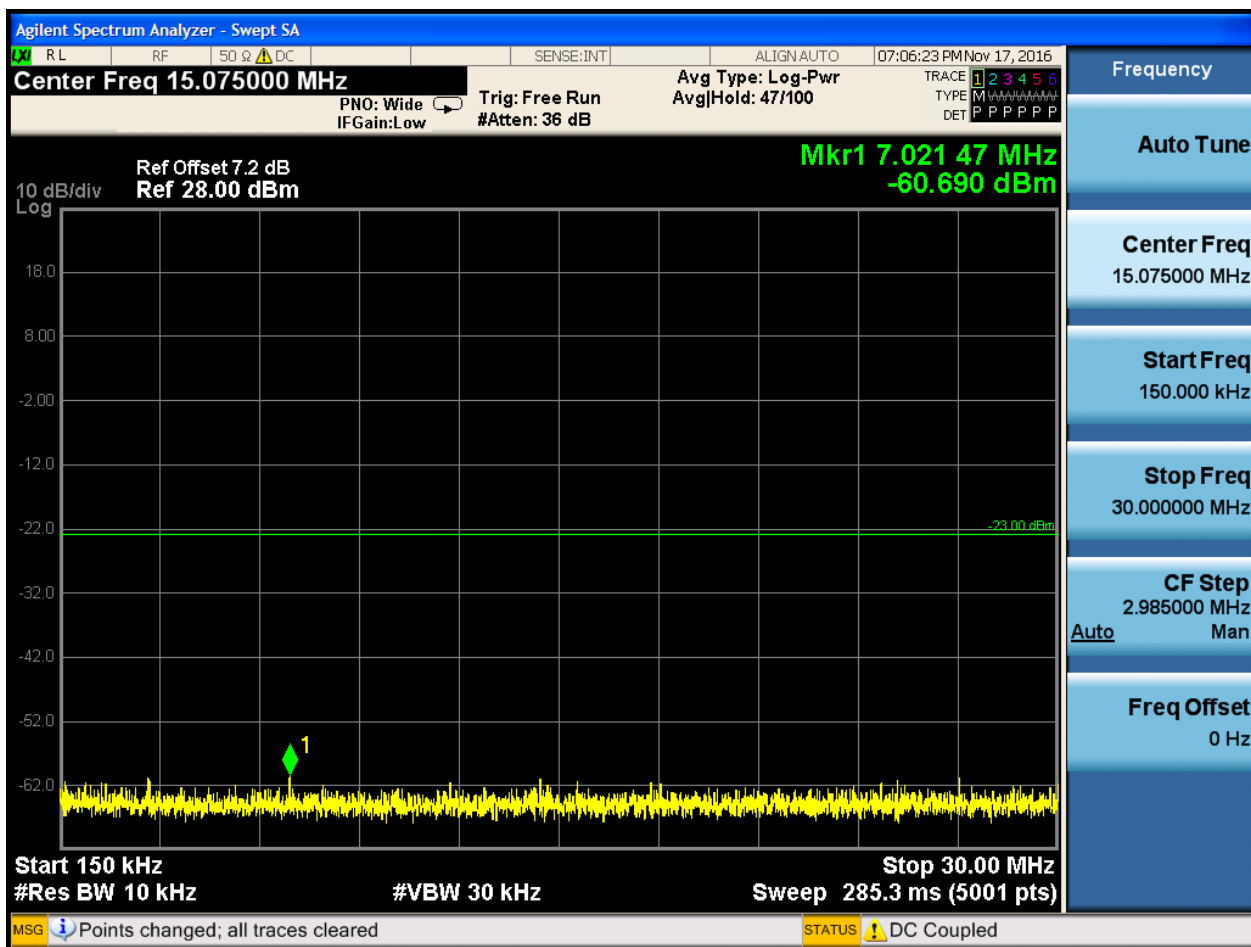


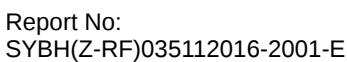


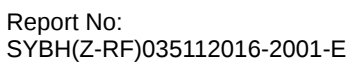
6.1.1.2.4.3 Test Channel = HCH

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

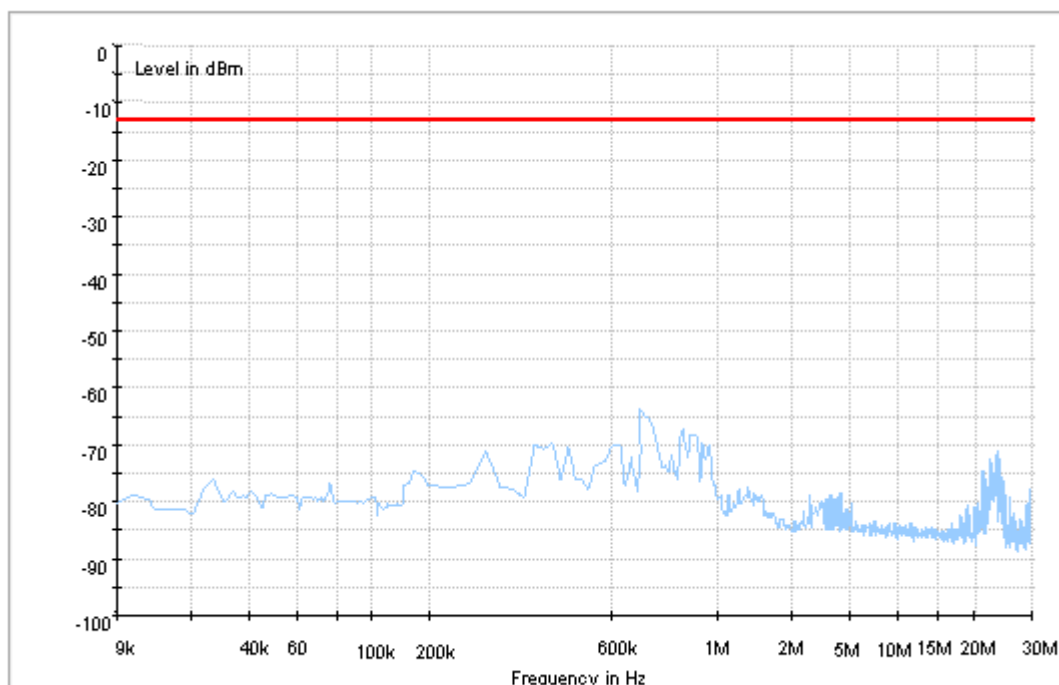
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

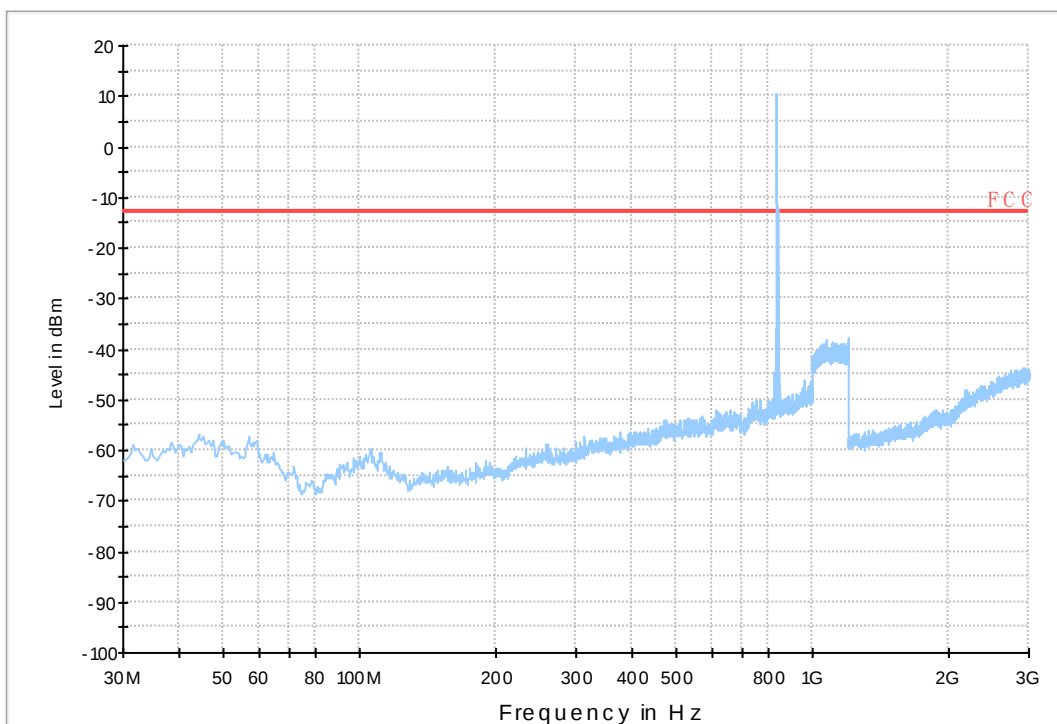
7.1 For LTE

7.1.1 Test Band = BAND5_Ant1

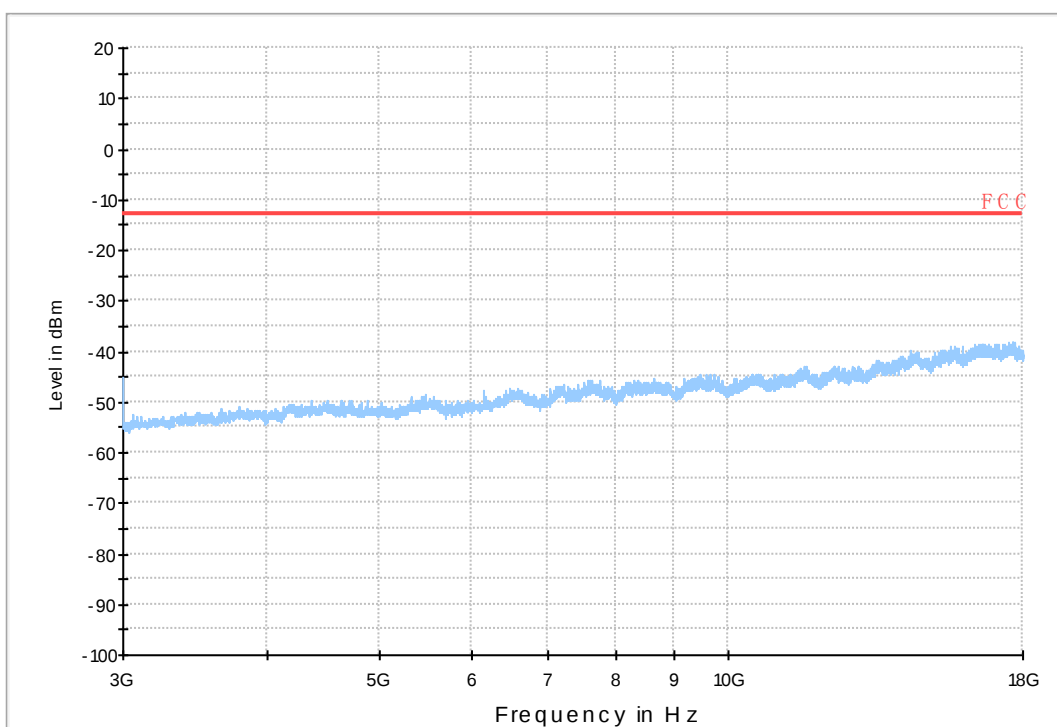
7.1.1.1 Test Bandwidth = 1.4



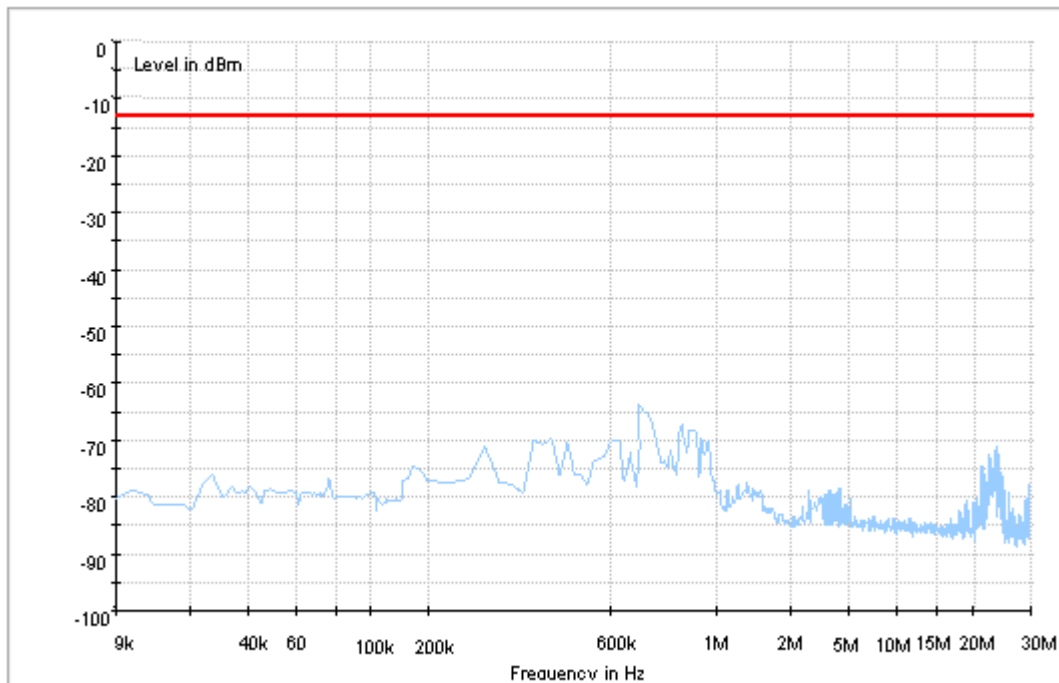
Copy of RSE-TX-DIRECTOR BELOW 1G_L



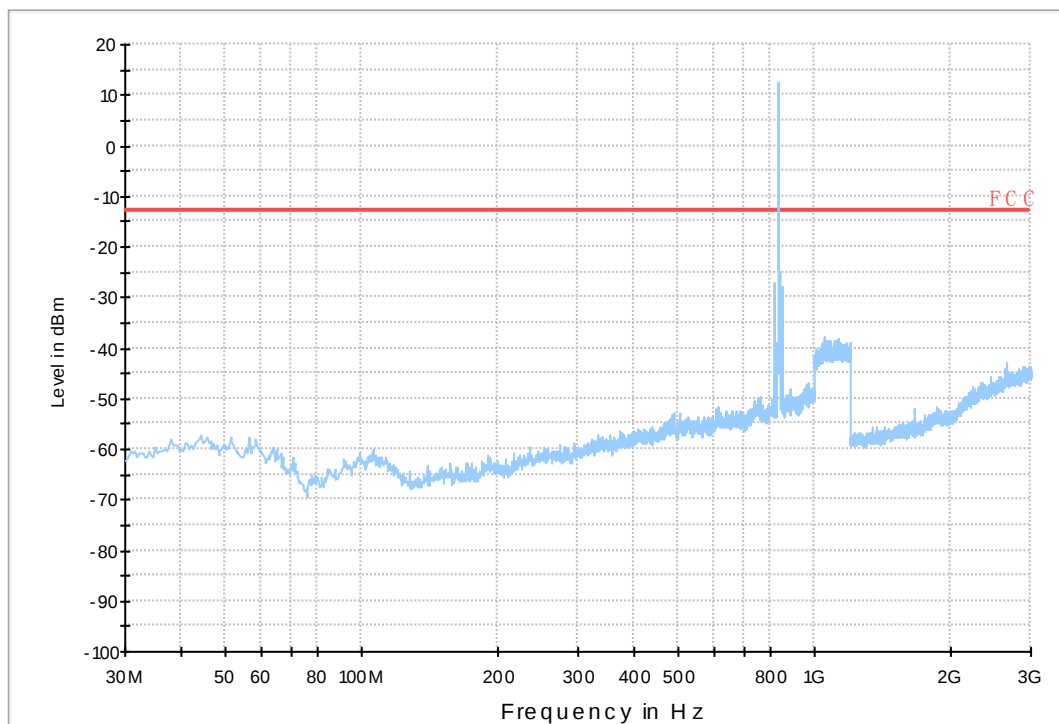
Copy of RSE-TX-DIRECTOR BELOW 1G_H



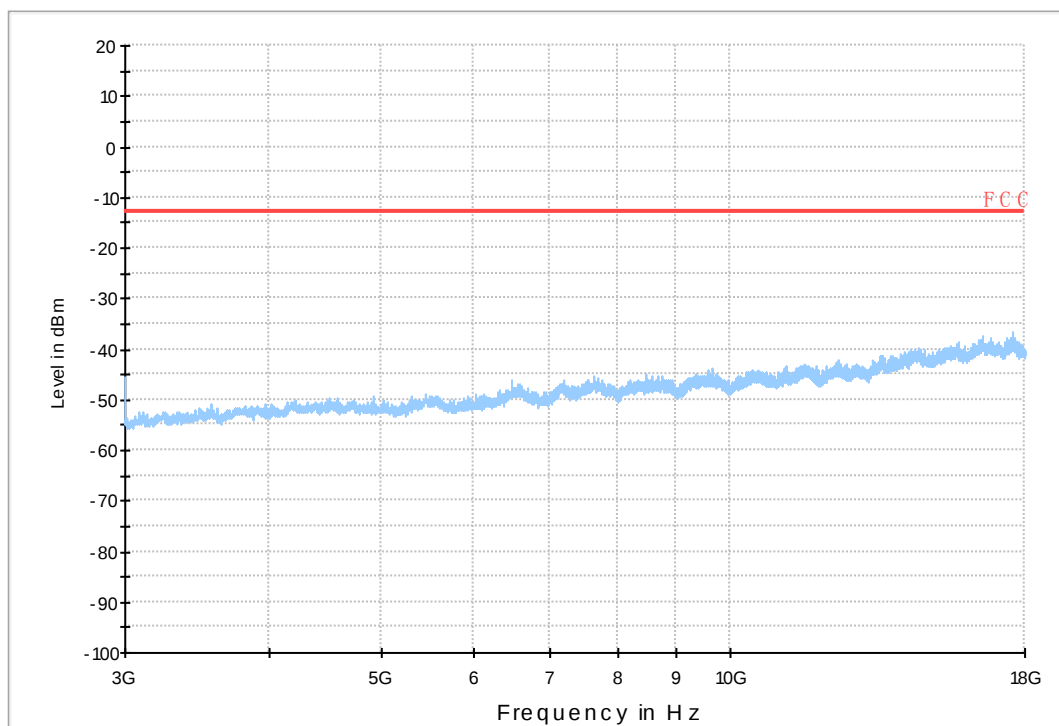
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

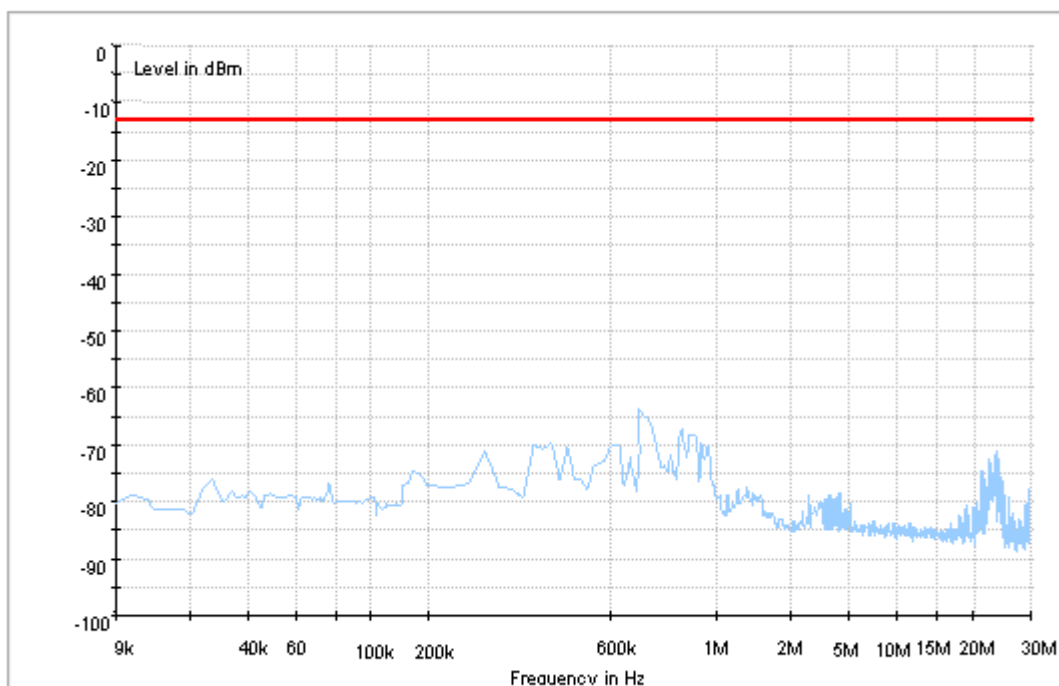


Copy of RSE-TX-DIRECTOR BELOW 1G_H

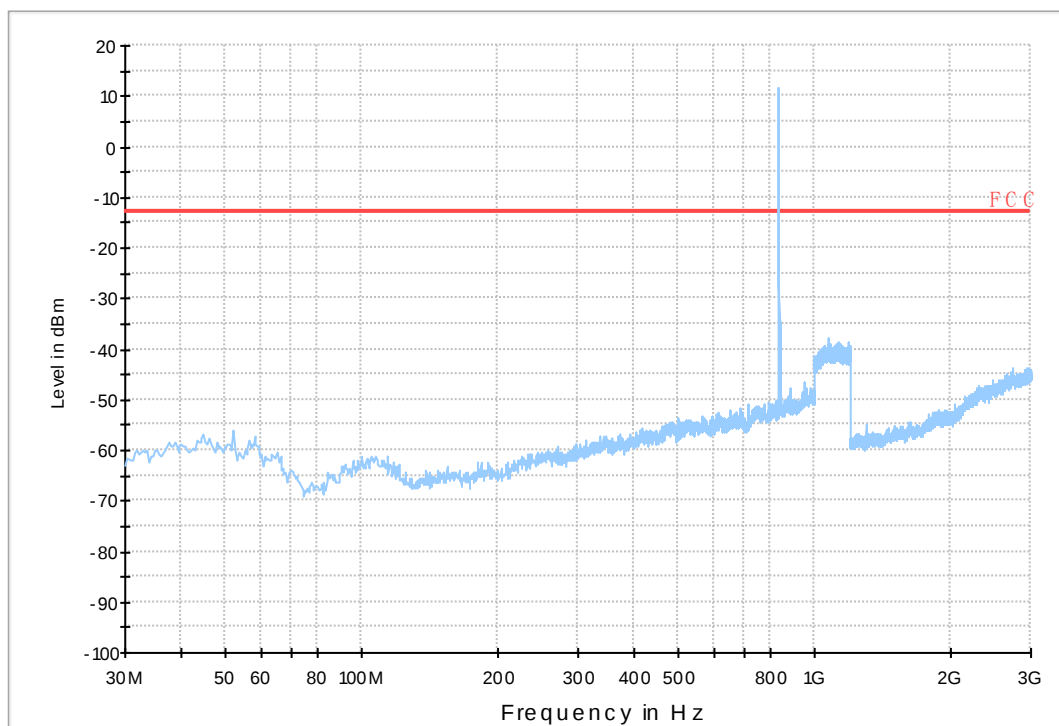


7.1.2 Test Band = BAND5_Ant2

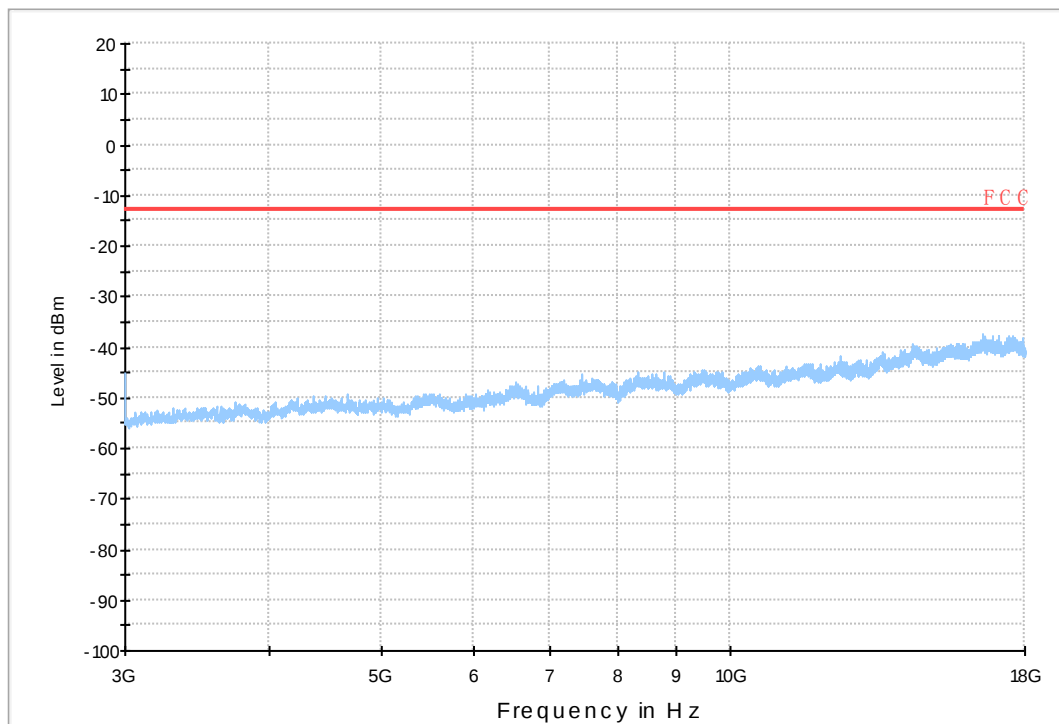
7.1.2.1 Test Bandwidth = 1.4



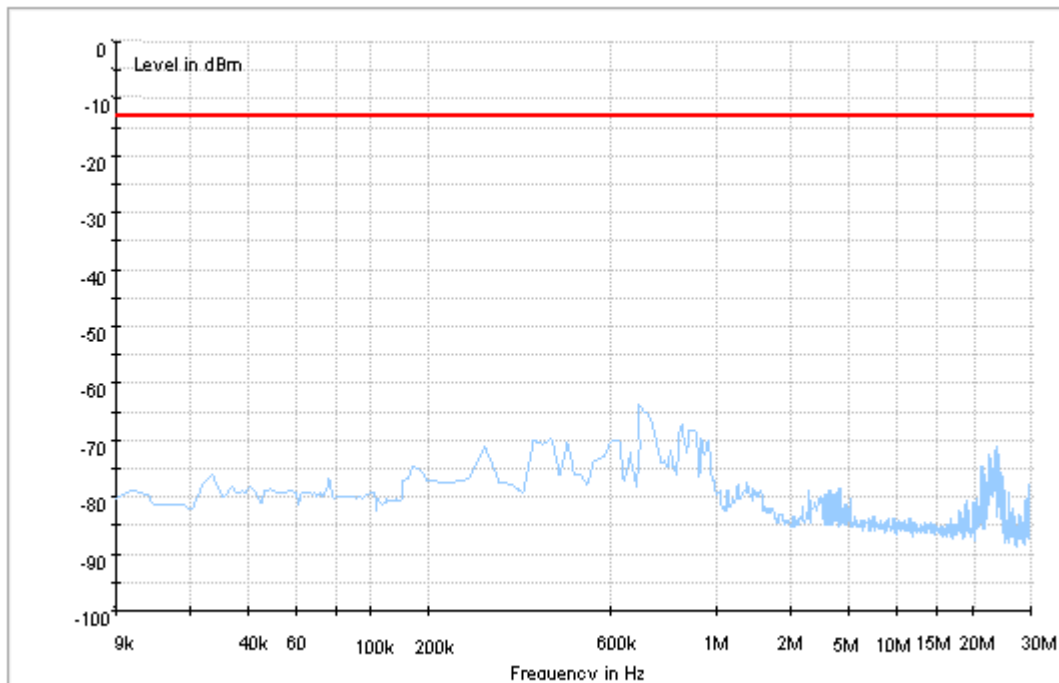
Copy of RSE-TX-DIRECTOR BELOW 1G_L



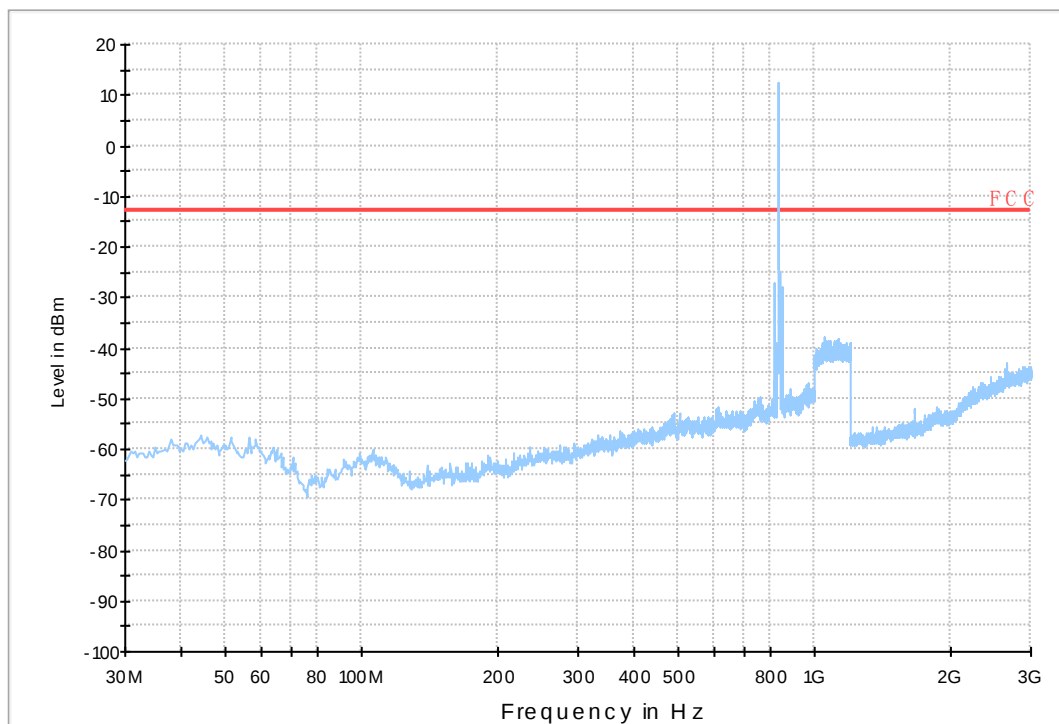
Copy of RSE-TX-DIRECTOR BELOW 1G_H



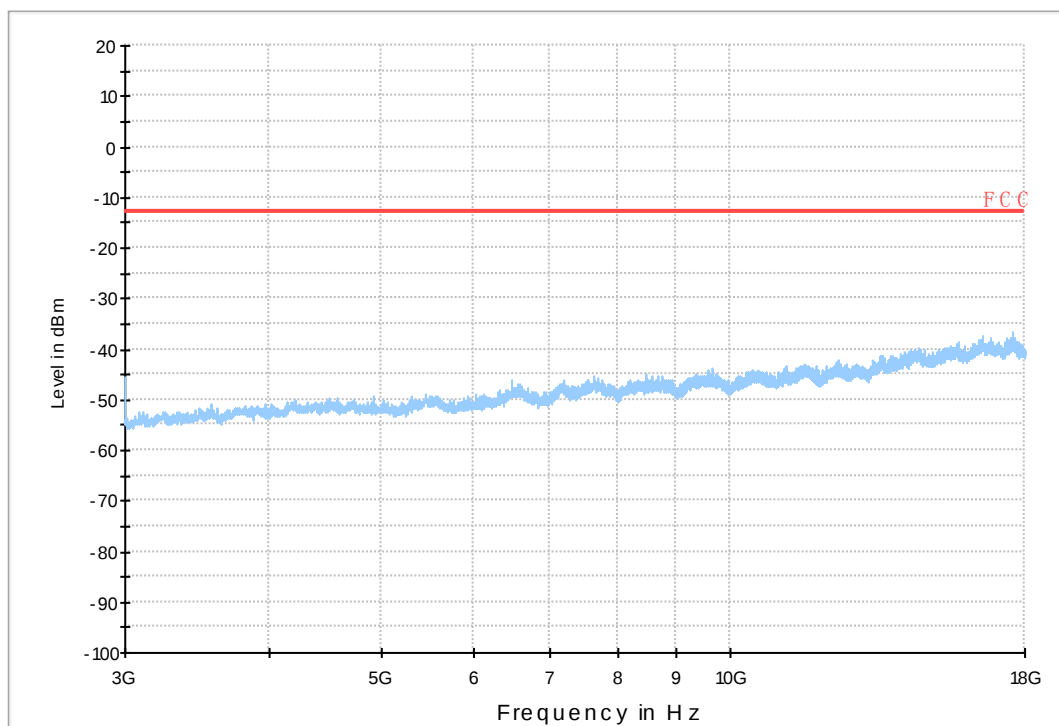
7.1.2.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency 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	-19.37	-0.02349	PASS
					VN	17.81	0.0216	PASS
					VH	10.01	0.01214	PASS
			MCH	TN	VL	0.60	0.00072	PASS
					VN	15.45	0.01847	PASS
					VH	7.10	0.00849	PASS
			HCH	TN	VL	-11.66	-0.01375	PASS
					VN	40.77	0.04806	PASS
					VH	1.53	0.0018	PASS
		3	LCH	TN	VL	6.59	0.00798	PASS
					VN	-5.01	-0.00607	PASS
					VH	9.38	0.01136	PASS
			MCH	TN	VL	-0.27	-0.00032	PASS
					VN	-3.10	-0.00371	PASS
					VH	-2.30	-0.00275	PASS
			HCH	TN	VL	-6.58	-0.00776	PASS
					VN	0.51	0.0006	PASS
					VH	-1.34	-0.00158	PASS
		5	LCH	TN	VL	-7.30	-0.00883	PASS
					VN	-2.85	-0.00345	PASS
					VH	0.10	0.00012	PASS
			MCH	TN	VL	0.19	0.00023	PASS
					VN	-1.10	-0.00132	PASS
					VH	-0.01	-0.00001	PASS
			HCH	TN	VL	-1.79	-0.00211	PASS
					VN	2.73	0.00323	PASS
					VH	0.83	0.00098	PASS
		10	LCH	TN	VL	2.88	0.00347	PASS
					VN	-0.34	-0.00041	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					VH	-6.39	-0.00771	PASS			
					MCH	TN	VL	5.38	0.00643	PASS	
							VN	5.19	0.0062	PASS	
							VH	-5.95	-0.00711	PASS	
			HCH	TN			VL	0.36	0.00043	PASS	
					VN	-0.97	-0.00115	PASS			
					VH	-2.26	-0.00268	PASS			
					LTE/TM2		1.4	LCH	TN	VL	-3.55
			VN	8.23						0.00998	PASS
			VH	-5.82						-0.00706	PASS
	MCH	TN	VL	4.12				0.00493	PASS		
			VN	-25.18				-0.0301	PASS		
			VH	12.59				0.01505	PASS		
	HCH	TN	VL	-4.32			-0.00509	PASS			
			VN	-4.21			-0.00496	PASS			
			VH	1.17			0.00138	PASS			
	3	LCH	TN	VL			-2.05	-0.00248	PASS		
				VN	3.16	0.00383	PASS				
				VH	2.98	0.00361	PASS				
			MCH	TN	VL	2.47	0.00295	PASS			
					VN	2.10	0.00251	PASS			
					VH	-6.69	-0.008	PASS			
		HCH	TN	VL	-2.80	-0.0033	PASS				
				VN	-2.72	-0.00321	PASS				
				VH	-1.79	-0.00211	PASS				
			5	LCH	TN	VL	-0.47	-0.00057	PASS		
						VN	-1.34	-0.00162	PASS		
						VH	-1.44	-0.00174	PASS		
	MCH	TN		VL	-2.80	-0.00335	PASS				
				VN	-0.87	-0.00104	PASS				
				VH	-1.92	-0.0023	PASS				
	HCH	TN		VL	0.56	0.00066	PASS				
				VN	-0.46	-0.00054	PASS				
				VH	-5.75	-0.00679	PASS				
	10	LCH	TN	VL	1.86	0.00224	PASS				
				VN	-7.80	-0.00941	PASS				
				VH	0.83	0.001	PASS				
		MCH	TN	VL	-5.06	-0.00605	PASS				
				VN	8.30	0.00992	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VH	20.81	0.02488	PASS
					VL	0.86	0.00102	PASS
					VN	0.34	0.0004	PASS
					VH	-2.59	-0.00307	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	3.67	0.00042	PASS
					-20	3.96	0.00142	PASS
					-10	-0.05	-0.00405	PASS
					0	-10.65	-0.01934	PASS
					10	8.86	0.00675	PASS
					20	4.61	0.00159	PASS
					30	-16.17	-0.0236	PASS
					40	-12.85	-0.01958	PASS
					50	-6.82	-0.01227	PASS
			MCH	VN	-30	-2.48	-0.00698	PASS
					-20	-3.4	-0.00808	PASS
					-10	-6.57	-0.01187	PASS
					0	-0.67	-0.00481	PASS
					10	0.86	-0.00298	PASS
					20	6.57	0.00384	PASS
					30	-4.07	-0.00888	PASS
					40	1.95	-0.00168	PASS
					50	10.42	0.00844	PASS
			HCH	VN	-30	13.22	0.01156	PASS
					-20	14.95	0.0136	PASS
					-10	-7.46	-0.01283	PASS
					0	-11.41	-0.01748	PASS
					10	-11.27	-0.01732	PASS
					20	-7.63	-0.01301	PASS
					30	-7.85	-0.01328	PASS
					40	-9.71	-0.01547	PASS
					50	0.09	-0.00392	PASS
		3	LCH	VN	-30	-4.17	-0.00905	PASS
					-20	-5.17	-0.01026	PASS
					-10	19.23	0.0193	PASS
					0	8.62	0.00644	PASS
					10	1.34	-0.00237	PASS
					20	-10.51	-0.01673	PASS
					30	7.03	0.00452	PASS
					40	-3.41	-0.00813	PASS
					50	-2.54	-0.00707	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	-30	-7.2	-0.01262	PASS
					-20	-2.35	-0.00682	PASS
					-10	-3.04	-0.00765	PASS
					0	2.77	-0.0007	PASS
					10	-4.49	-0.00938	PASS
					20	9.28	0.00708	PASS
					30	-4.53	-0.00943	PASS
					40	-11.88	-0.01821	PASS
					50	-9.65	-0.01555	PASS
			HCH	VN	-30	3.27	-0.00017	PASS
					-20	-0.64	-0.00478	PASS
					-10	-8.89	-0.01452	PASS
					0	-1.38	-0.00565	PASS
					10	-9.75	-0.01553	PASS
					20	-1.75	-0.00609	PASS
					30	-3.5	-0.00816	PASS
					40	-2.27	-0.0067	PASS
					50	9.35	0.00701	PASS
		5	LCH	VN	-30	-1.87	-0.00626	PASS
					-20	1.84	-0.00177	PASS
					-10	-2.91	-0.00752	PASS
					0	2.75	-0.00067	PASS
					10	-9.12	-0.01503	PASS
					20	1.35	-0.00237	PASS
					30	-3.24	-0.00792	PASS
					40	-8.31	-0.01405	PASS
					50	3.15	-0.00019	PASS
			MCH	VN	-30	-5.73	-0.01086	PASS
					-20	2.81	-0.00065	PASS
					-10	-7.59	-0.01309	PASS
					0	6.69	0.00399	PASS
					10	-7.91	-0.01347	PASS
					20	-1.25	-0.00551	PASS
					30	-4.54	-0.00944	PASS
					40	-5.23	-0.01026	PASS
					50	-1.84	-0.00621	PASS
			HCH	VN	-30	-0.32	-0.0044	PASS
					-20	2.01	-0.00165	PASS
					-10	-11.64	-0.01778	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	15.71	0.01453	PASS
					10	9.05	0.00667	PASS
					20	-0.19	-0.00425	PASS
					30	0.81	-0.00307	PASS
					40	4.07	0.00078	PASS
					50	-1.15	-0.00538	PASS
			LCH	VN	-30	2.08	-0.00149	PASS
					-20	-2.27	-0.00674	PASS
					-10	-1.6	-0.00593	PASS
					0	-4.54	-0.00948	PASS
					10	-0.19	-0.00423	PASS
					20	-15.37	-0.02254	PASS
					30	-13.91	-0.02078	PASS
					40	-7.26	-0.01276	PASS
					50	-5.5	-0.01064	PASS
			MCH	VN	-30	-1.38	-0.00566	PASS
					-20	117.02	0.13588	PASS
					-10	124.35	0.14464	PASS
					0	100.81	0.1165	PASS
					10	224.15	0.26395	PASS
					20	61.35	0.06933	PASS
					30	157.48	0.18425	PASS
					40	175.26	0.2055	PASS
					50	60.37	0.06816	PASS
			HCH	VN	-30	-1.67	-0.006	PASS
					-20	-1.9	-0.00627	PASS
					-10	-2.08	-0.00649	PASS
					0	-1.2	-0.00544	PASS
					10	-0.85	-0.00503	PASS
					20	-1.38	-0.00566	PASS
					30	0.13	-0.00387	PASS
					40	-6.72	-0.01198	PASS
					50	1.49	-0.00226	PASS
	LTE/TM2	1.4	LCH	VN	-30	-7.32	-0.01287	PASS
					-20	1.99	-0.00158	PASS
					-10	14.1	0.0131	PASS
					0	11.11	0.00947	PASS
					10	-6.2	-0.01151	PASS
					20	-10.09	-0.01623	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-1.98	-0.0064	PASS
					40	11.46	0.0099	PASS
					50	19.17	0.01925	PASS
			MCH	VN	-30	-12.7	-0.01919	PASS
					-20	-14.07	-0.02083	PASS
					-10	-8.58	-0.01427	PASS
					0	2.92	-0.00052	PASS
					10	-8.58	-0.01427	PASS
					20	-5.34	-0.0104	PASS
					30	4.54	0.00142	PASS
					40	3.9	0.00065	PASS
					50	-1.42	-0.00571	PASS
			HCH	VN	-30	6.74	0.00392	PASS
					-20	-9.32	-0.01501	PASS
					-10	-16.65	-0.02365	PASS
					0	1.19	-0.00262	PASS
					10	1.18	-0.00264	PASS
					20	7.97	0.00537	PASS
					30	-3.06	-0.00763	PASS
					40	6.89	0.00409	PASS
					50	-7.78	-0.0132	PASS
		3	LCH	VN	-30	13.55	0.01242	PASS
					-20	-14.41	-0.02145	PASS
					-10	25.31	0.02666	PASS
					0	7.92	0.0056	PASS
					10	2.67	-0.00076	PASS
					20	-4.06	-0.00892	PASS
					30	44.69	0.05014	PASS
					40	-7.95	-0.01363	PASS
					50	-2.17	-0.00663	PASS
			MCH	VN	-30	7.53	0.00499	PASS
					-20	0.51	-0.0034	PASS
					-10	0.46	-0.00346	PASS
					0	-3.44	-0.00812	PASS
					10	5.3	0.00232	PASS
					20	-7.18	-0.0126	PASS
					30	3.8	0.00053	PASS
					40	5.91	0.00305	PASS
					50	-10.31	-0.01634	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	-30	-1.71	-0.00604	PASS
					-20	-4.76	-0.00964	PASS
					-10	-1.31	-0.00557	PASS
					0	-0.94	-0.00514	PASS
					10	-0.21	-0.00427	PASS
					20	-5.62	-0.01066	PASS
					30	-2.1	-0.0065	PASS
					40	-1.37	-0.00564	PASS
					50	-2.87	-0.00741	PASS
		5	LCH	VN	-30	11.24	0.0096	PASS
					-20	4.48	0.00142	PASS
					-10	7.13	0.00463	PASS
					0	2.51	-0.00096	PASS
					10	-1.07	-0.00529	PASS
					20	1.98	-0.0016	PASS
					30	0.09	-0.00389	PASS
					40	-0.12	-0.00414	PASS
					50	2.04	-0.00153	PASS
			MCH	VN	-30	-3.9	-0.00867	PASS
					-20	5.28	0.0023	PASS
					-10	0.05	-0.00395	PASS
					0	-0.42	-0.00451	PASS
					10	1.02	-0.00279	PASS
					20	2.34	-0.00121	PASS
					30	7.92	0.00546	PASS
					40	-6.32	-0.01157	PASS
					50	0.25	-0.00371	PASS
			HCH	VN	-30	-0.65	-0.00479	PASS
					-20	-0.05	-0.00408	PASS
					-10	2.42	-0.00117	PASS
					0	-1.44	-0.00573	PASS
					10	-0.87	-0.00505	PASS
					20	-0.75	-0.00491	PASS
					30	-1.83	-0.00619	PASS
					40	0.59	-0.00333	PASS
					50	-9.19	-0.01488	PASS
		10	LCH	VN	-30	-6.65	-0.01202	PASS
					-20	-5.09	-0.01014	PASS
					-10	10.16	0.00825	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	9.56	0.00753	PASS
					10	-3.99	-0.00882	PASS
					20	-3.94	-0.00876	PASS
					30	-7.45	-0.01299	PASS
					40	-0.09	-0.00411	PASS
					50	-9.16	-0.01505	PASS
			MCH	VN	-30	-111.55	-0.13737	PASS
					-20	-55.15	-0.06994	PASS
					-10	-9.74	-0.01566	PASS
					0	-7.43	-0.01289	PASS
					10	21.82	0.02207	PASS
					20	-11.38	-0.01762	PASS
					30	47.91	0.05326	PASS
					40	39.5	0.04321	PASS
					50	29.53	0.03153	PASS
			HCH	VN	-30	0.38	-0.00356	PASS
					-20	-0.78	-0.00495	PASS
					-10	-0.52	-0.00463	PASS
					0	0.27	-0.00375	PASS
					10	-1.64	-0.00592	PASS
					20	-0.67	-0.00483	PASS
					30	-1.29	-0.00545	PASS
					40	1.35	-0.00251	PASS
					50	-1.1	-0.00534	PASS

END