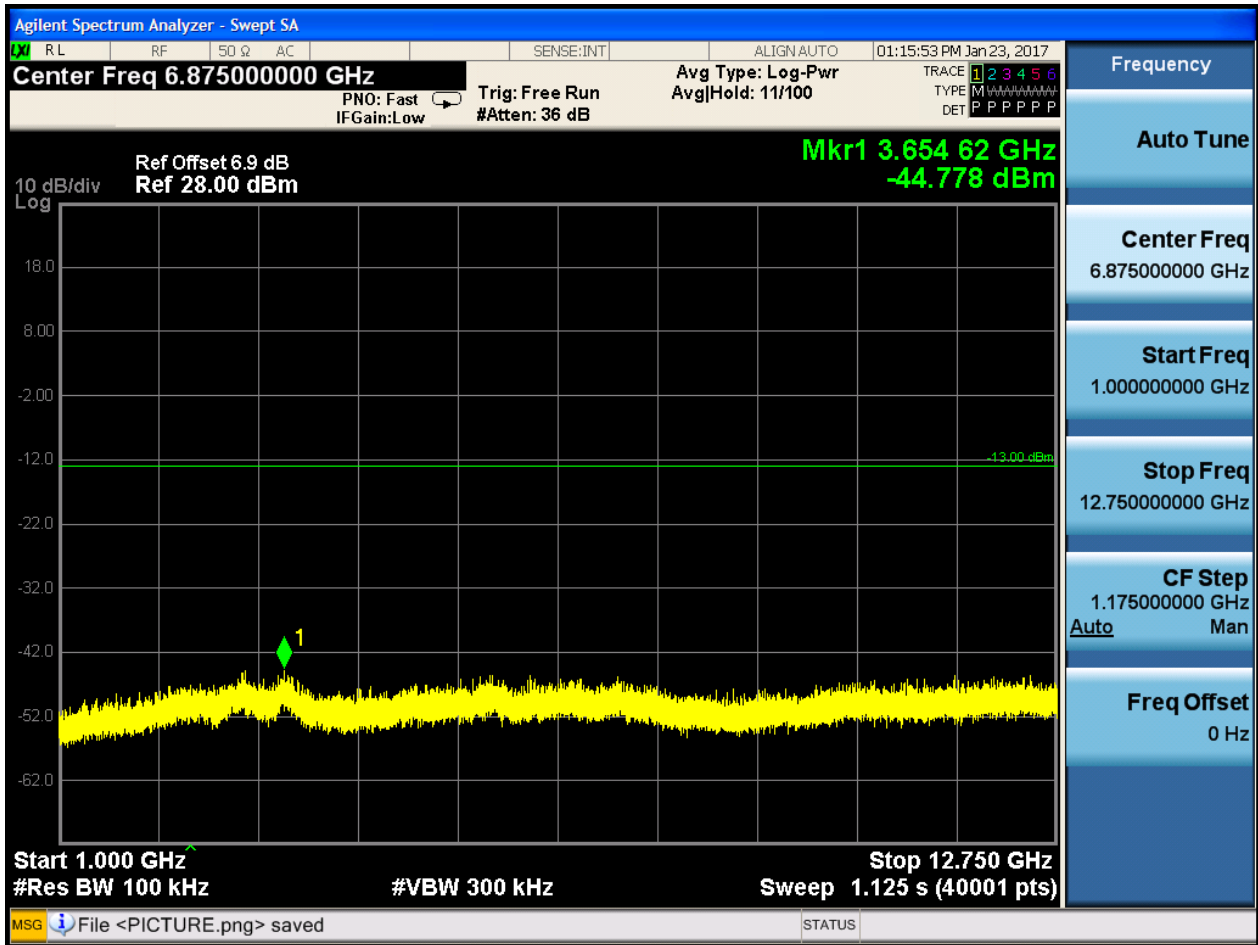
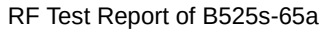
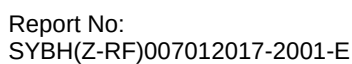
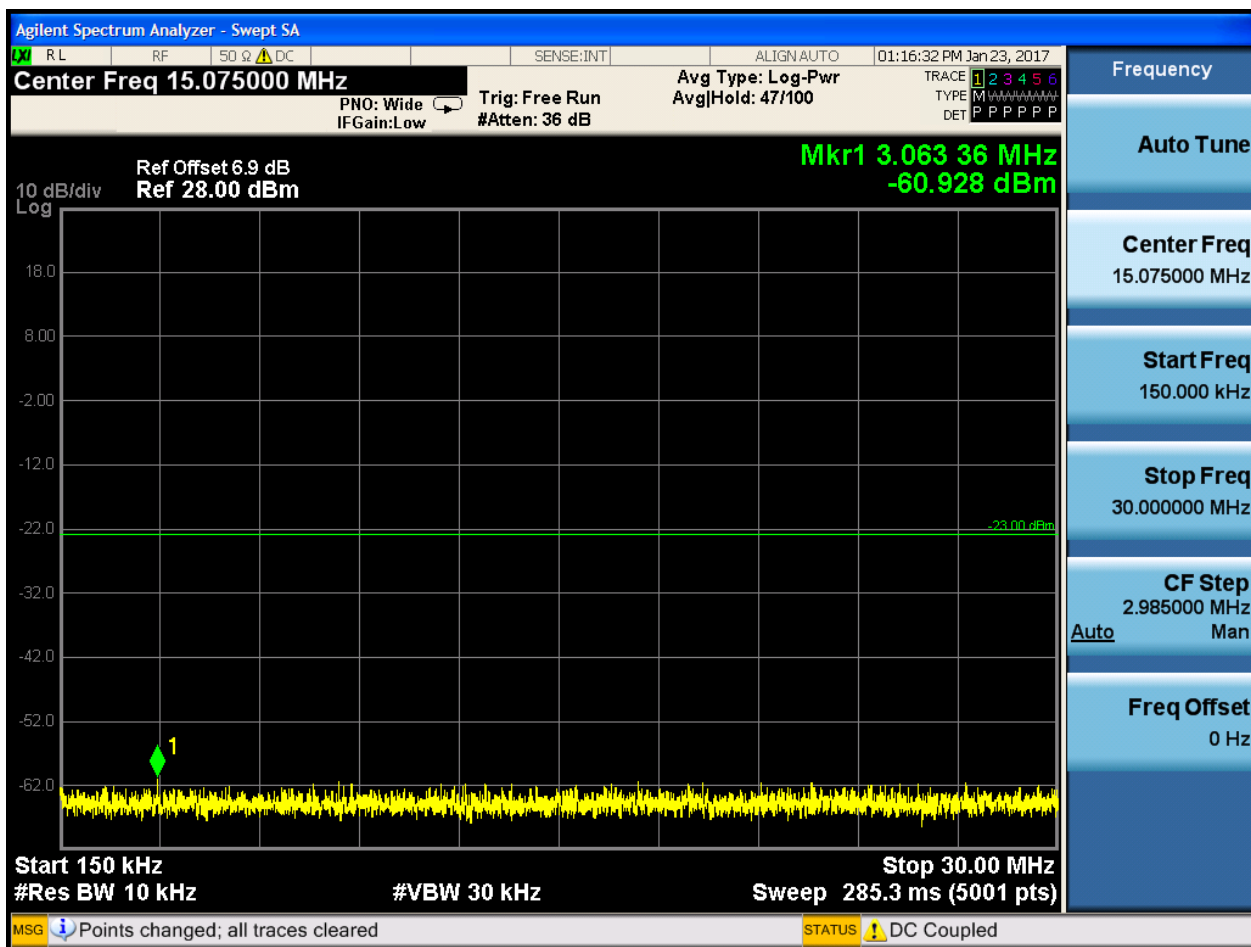


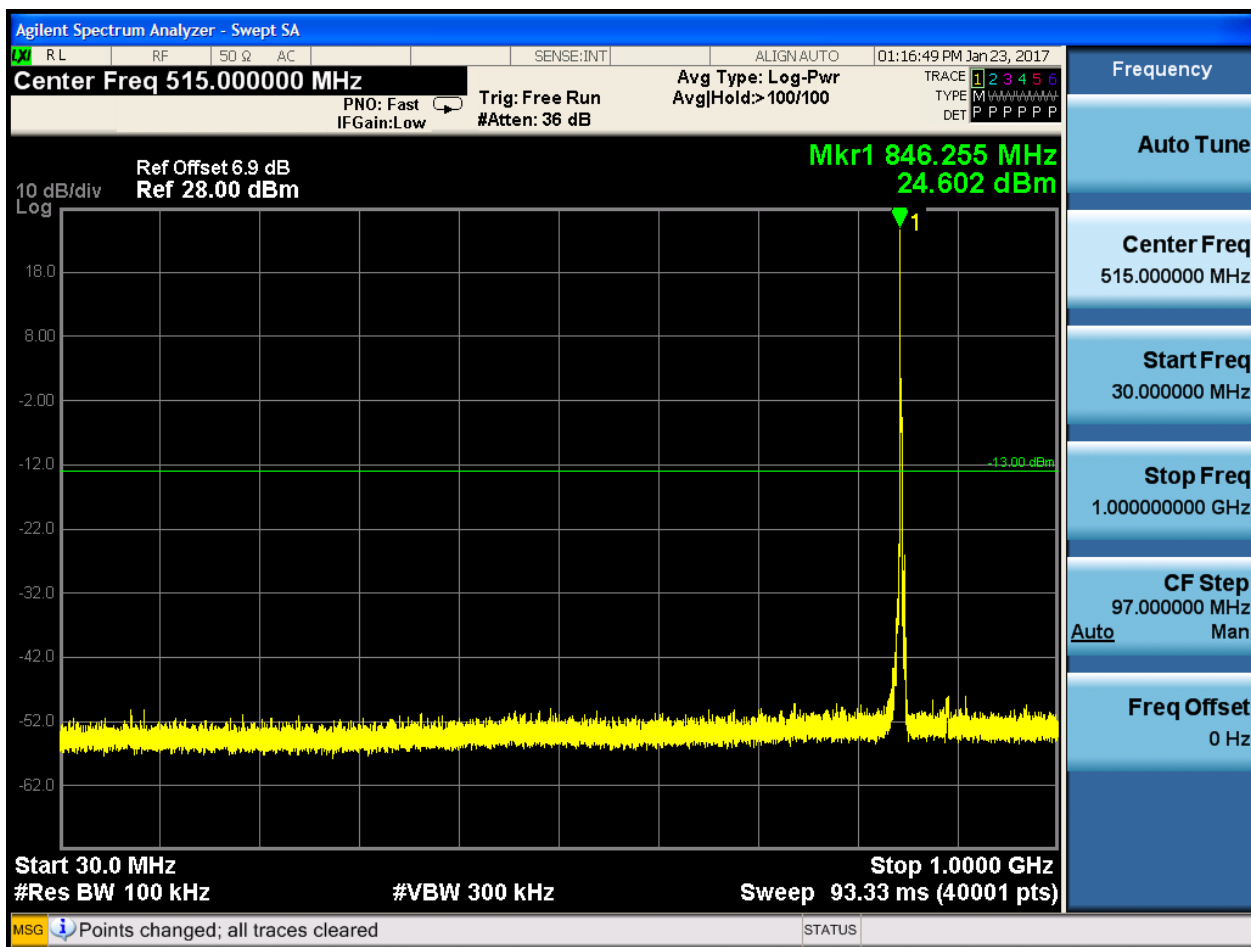


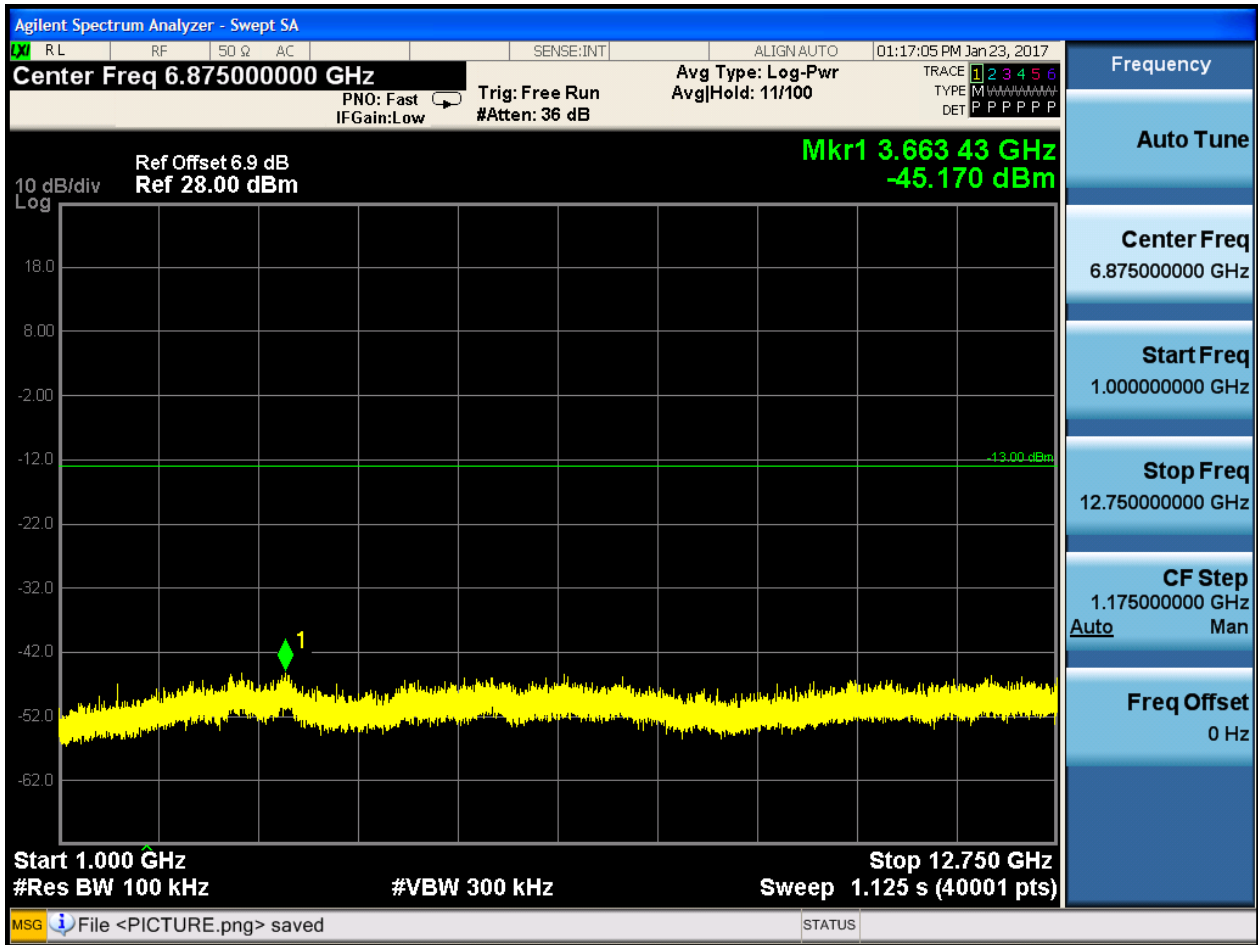


6.1.1.1.2.3.1 Test RB = RB1#0







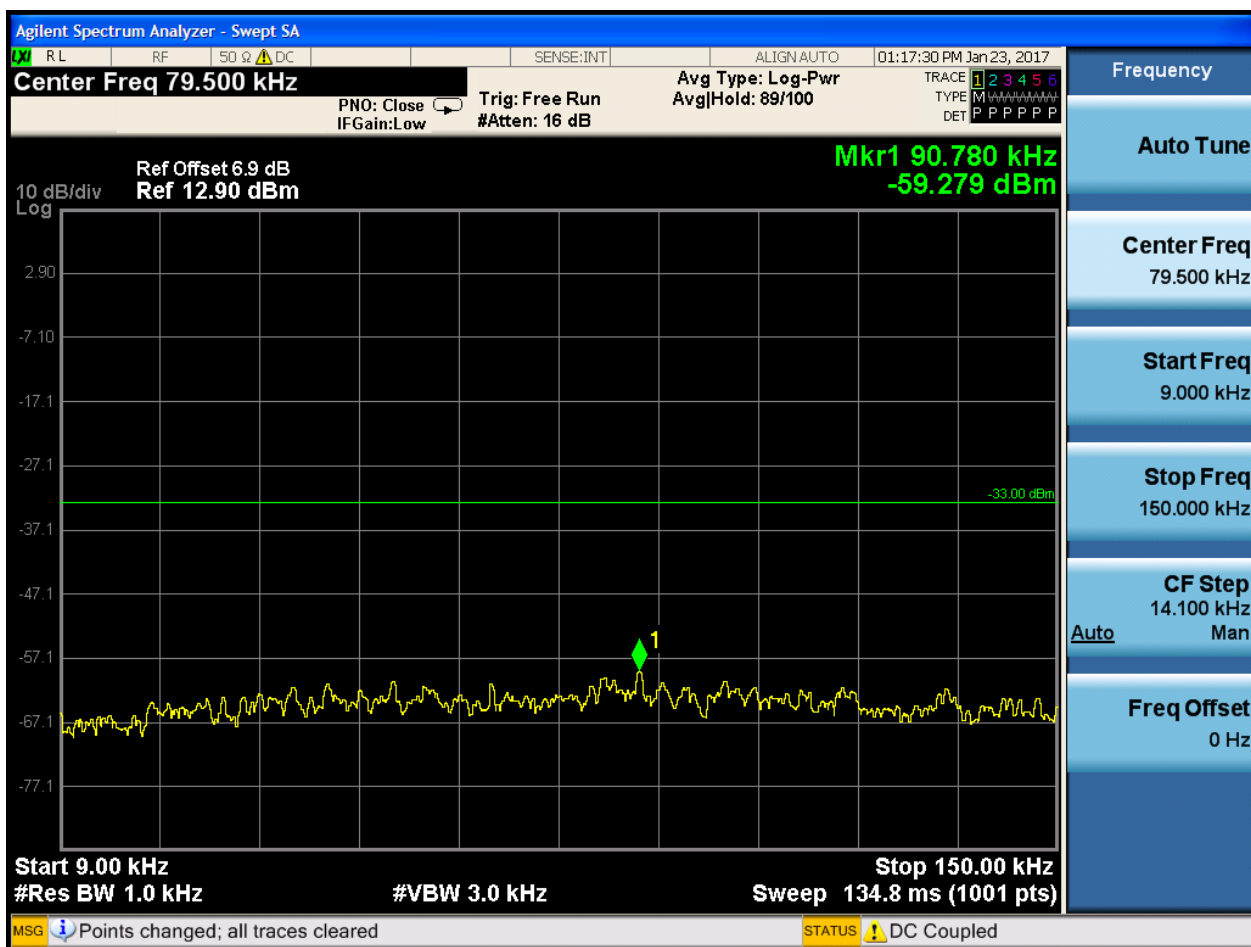


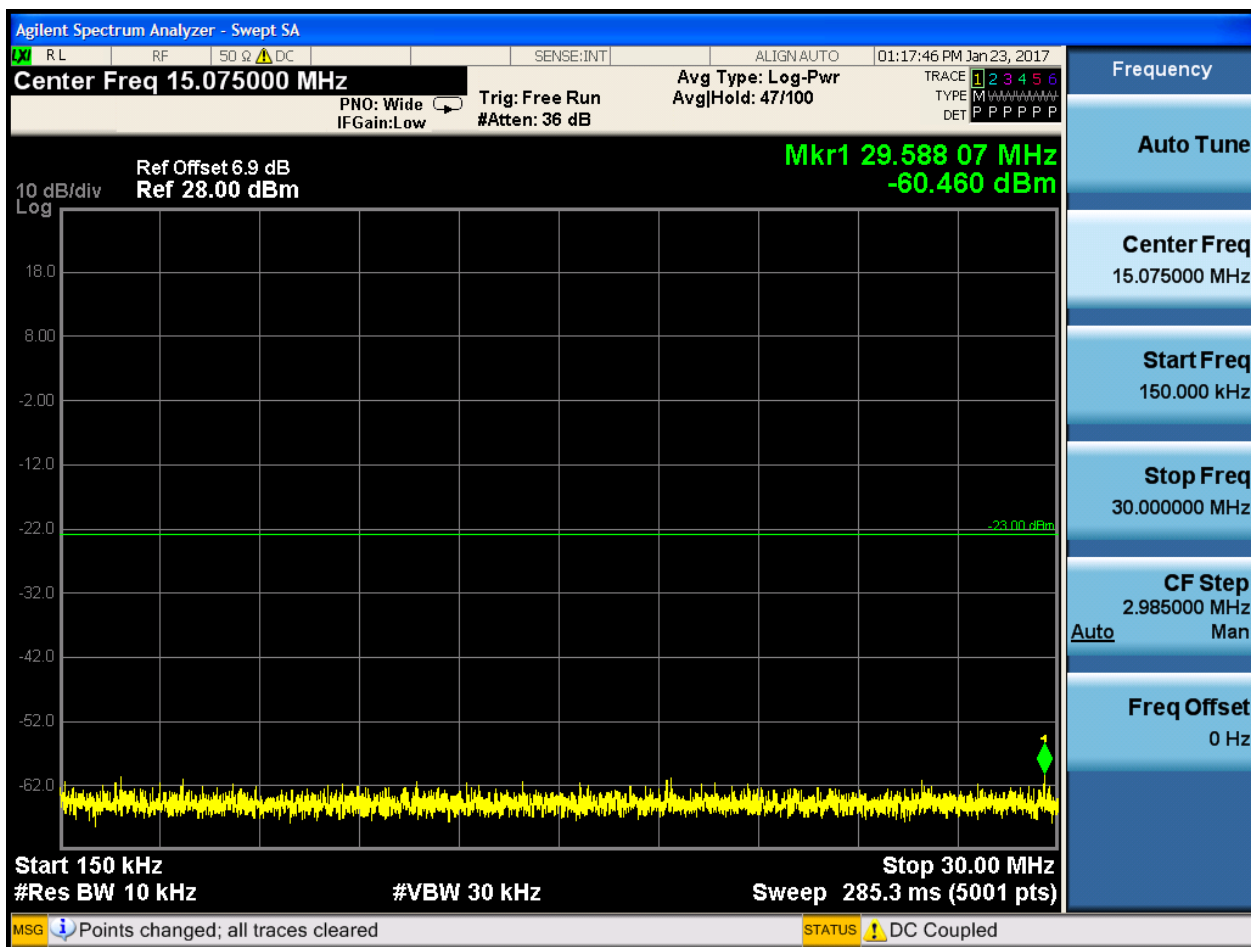


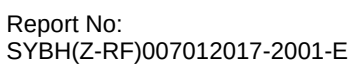
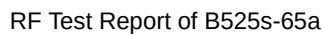
6.1.1.1.3 Test Bandwidth = 5

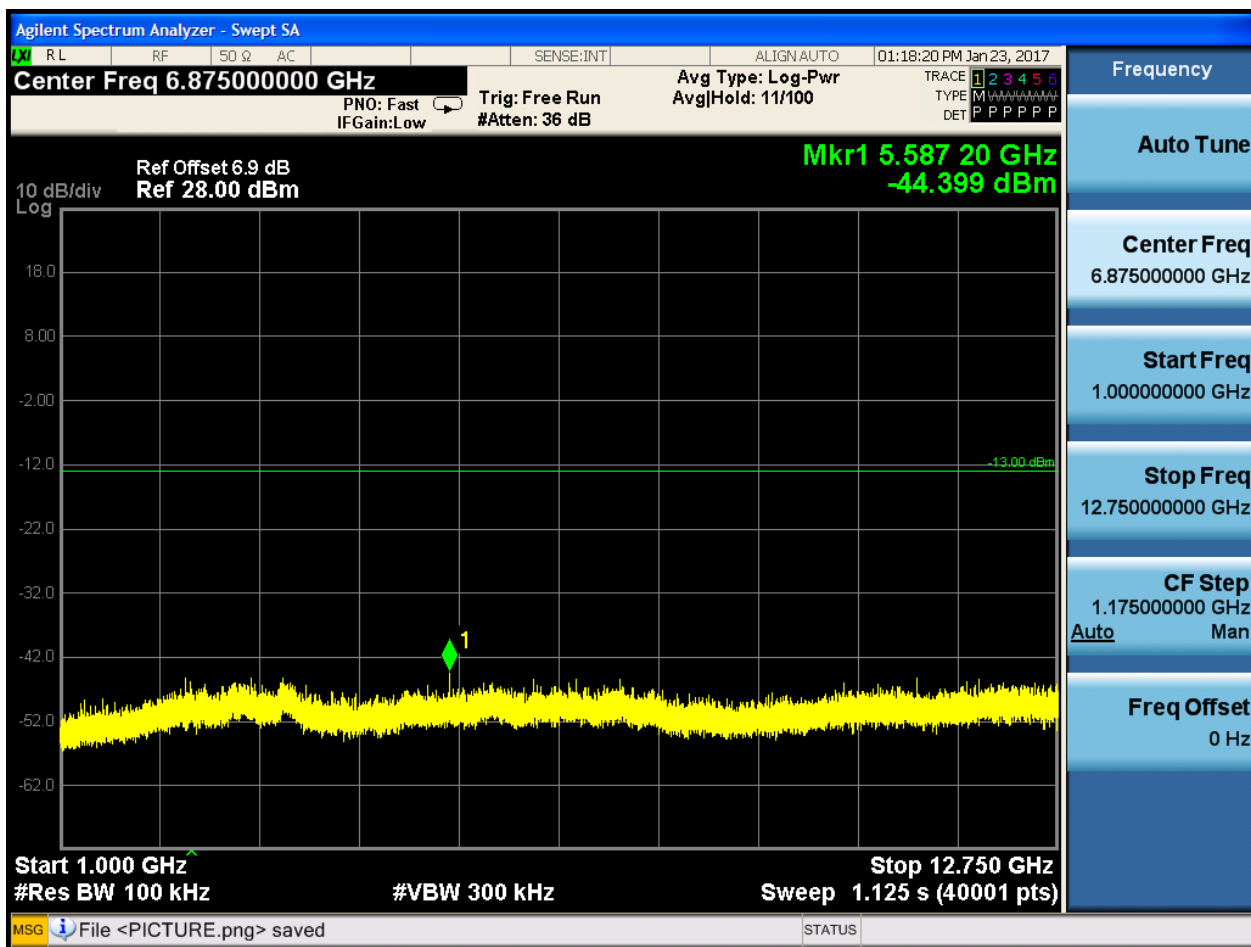
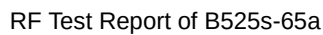
6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





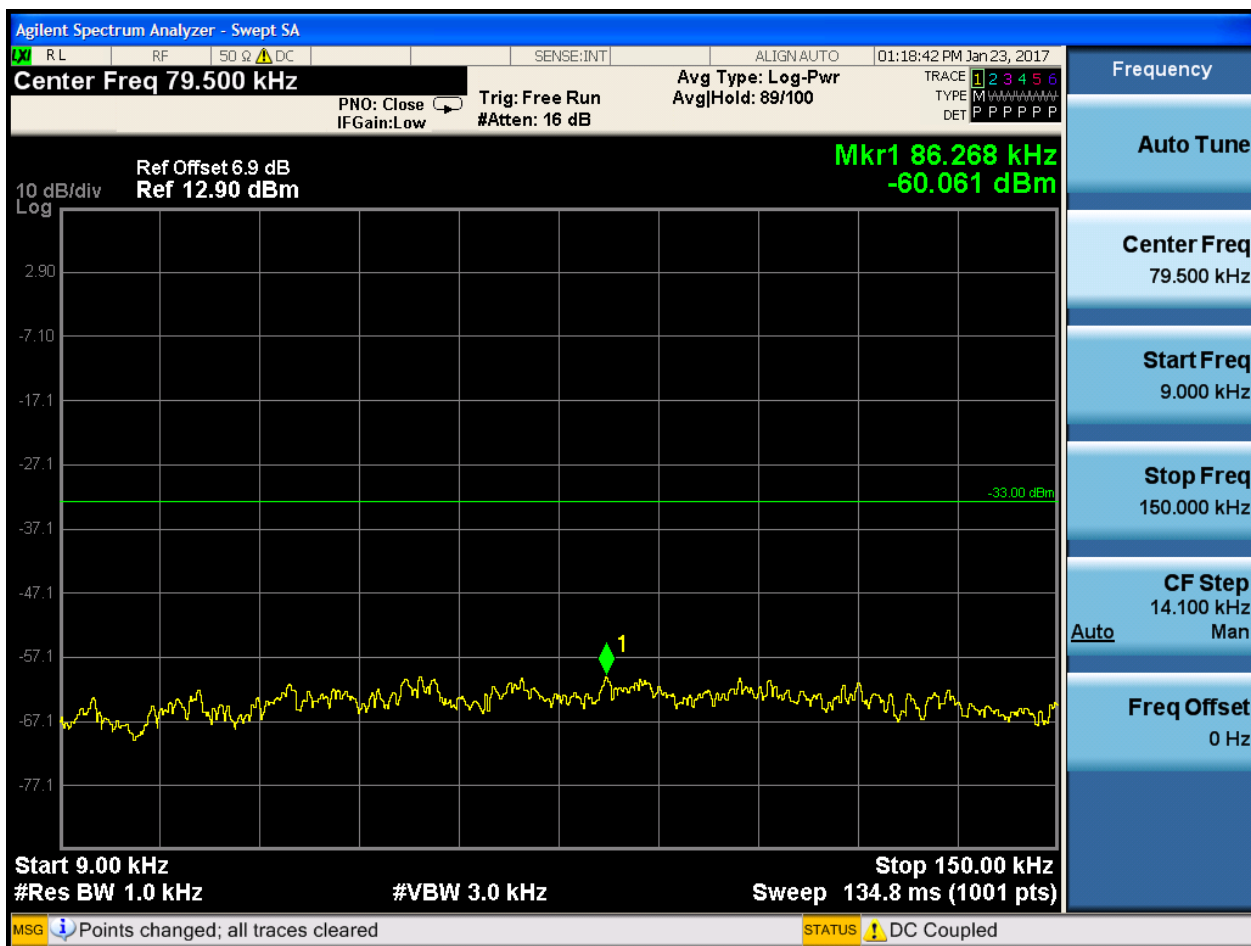


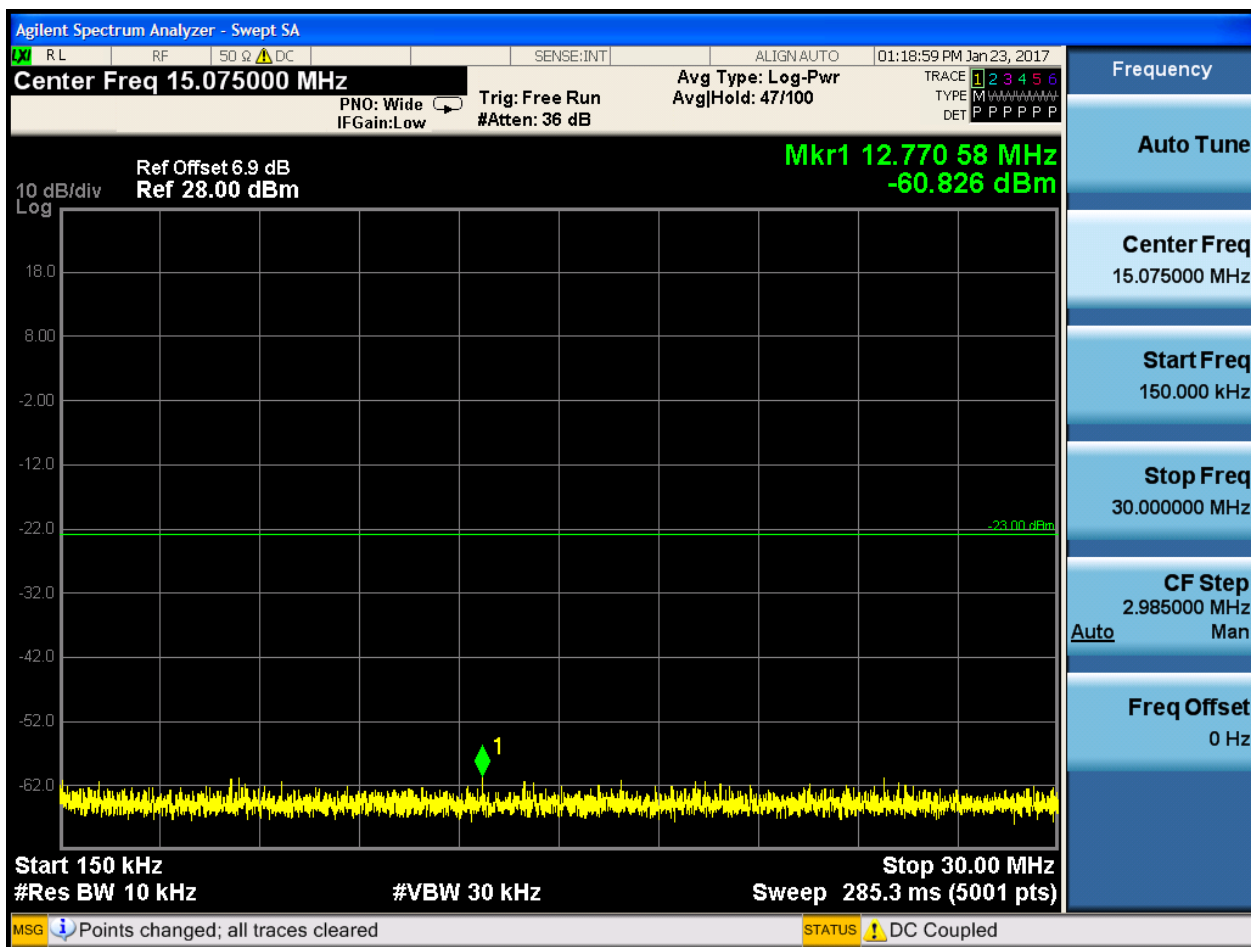


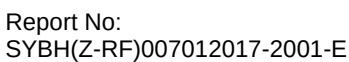
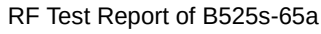


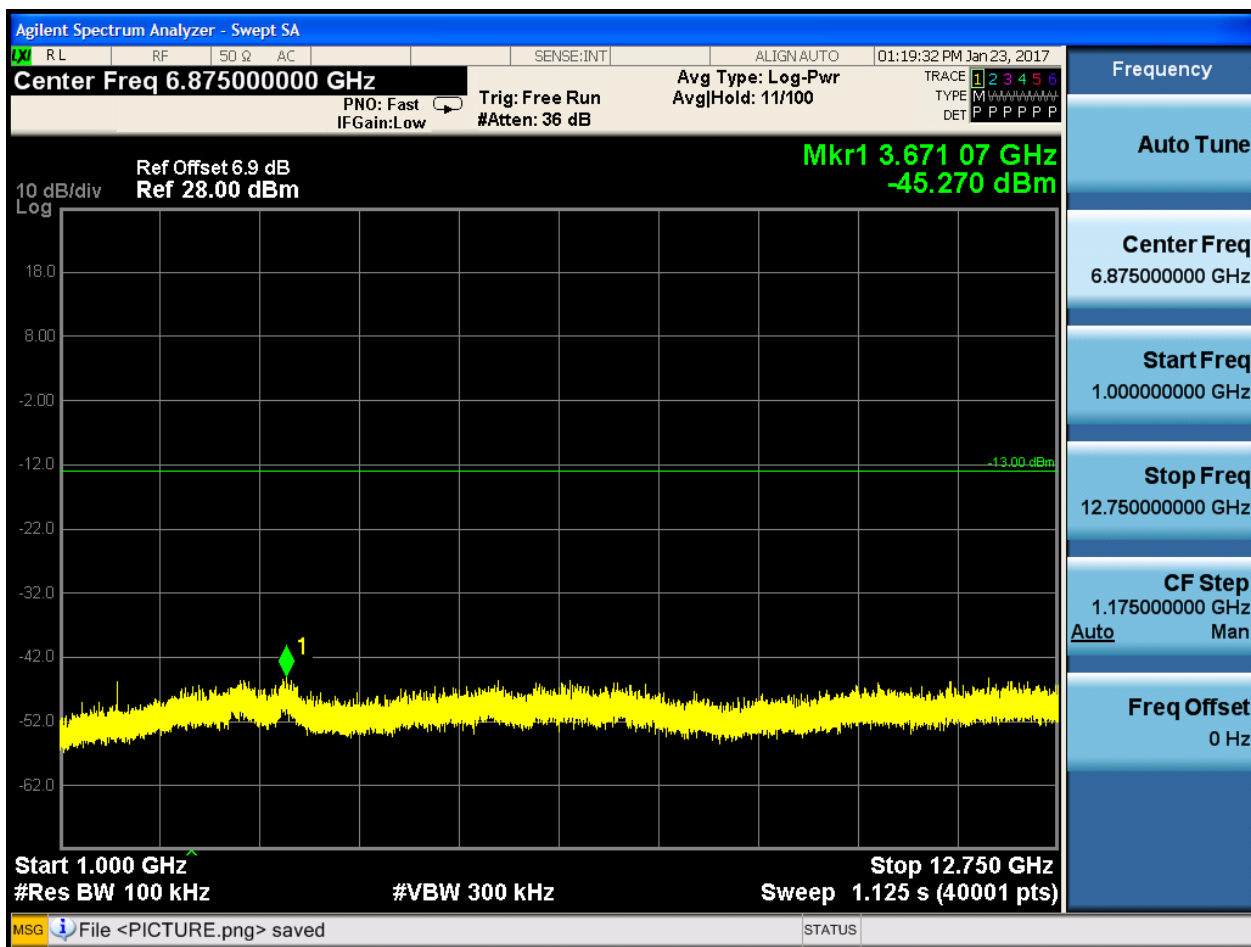
6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0





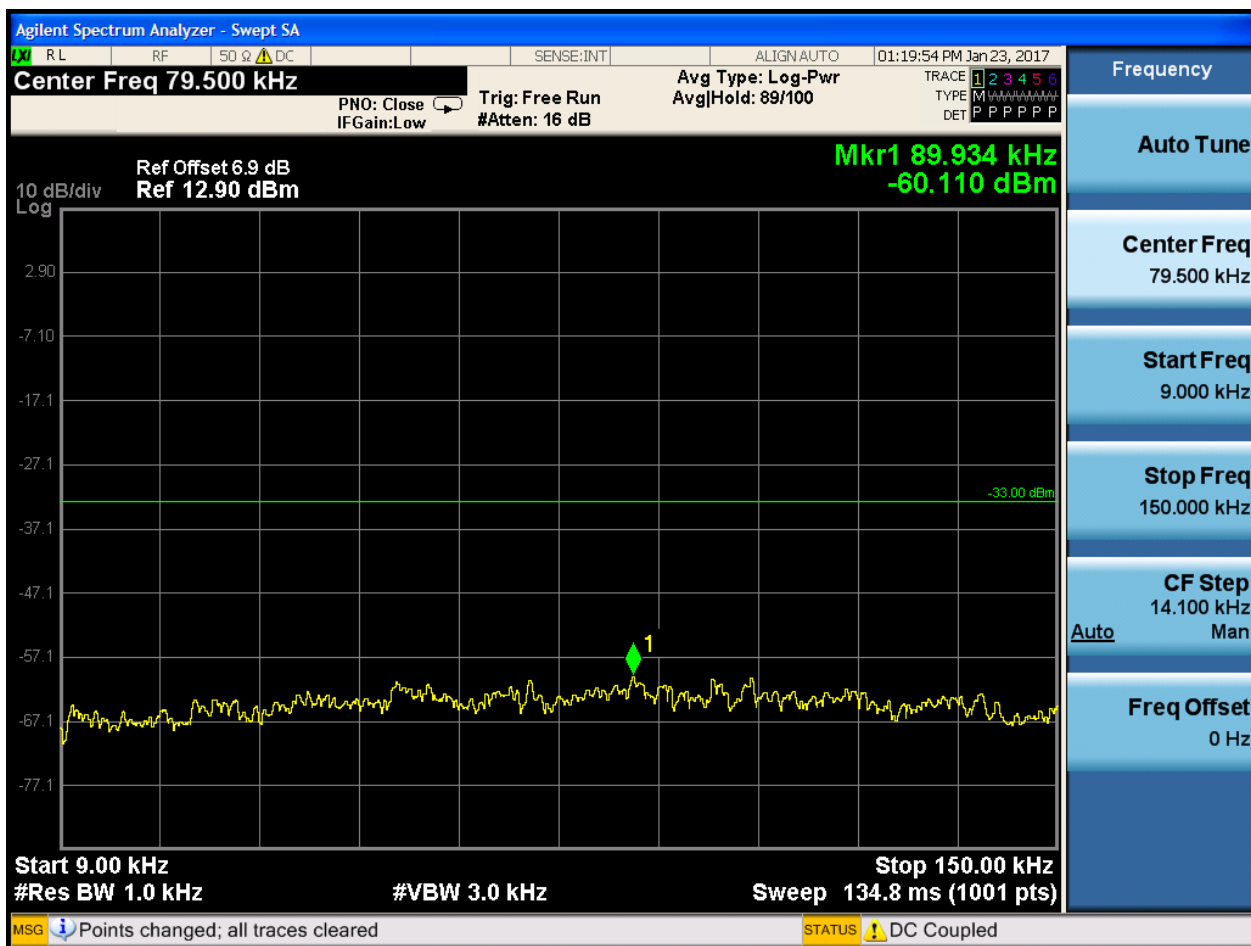


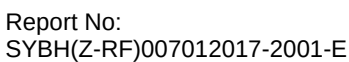
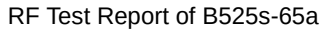


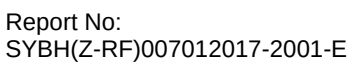
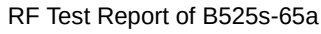


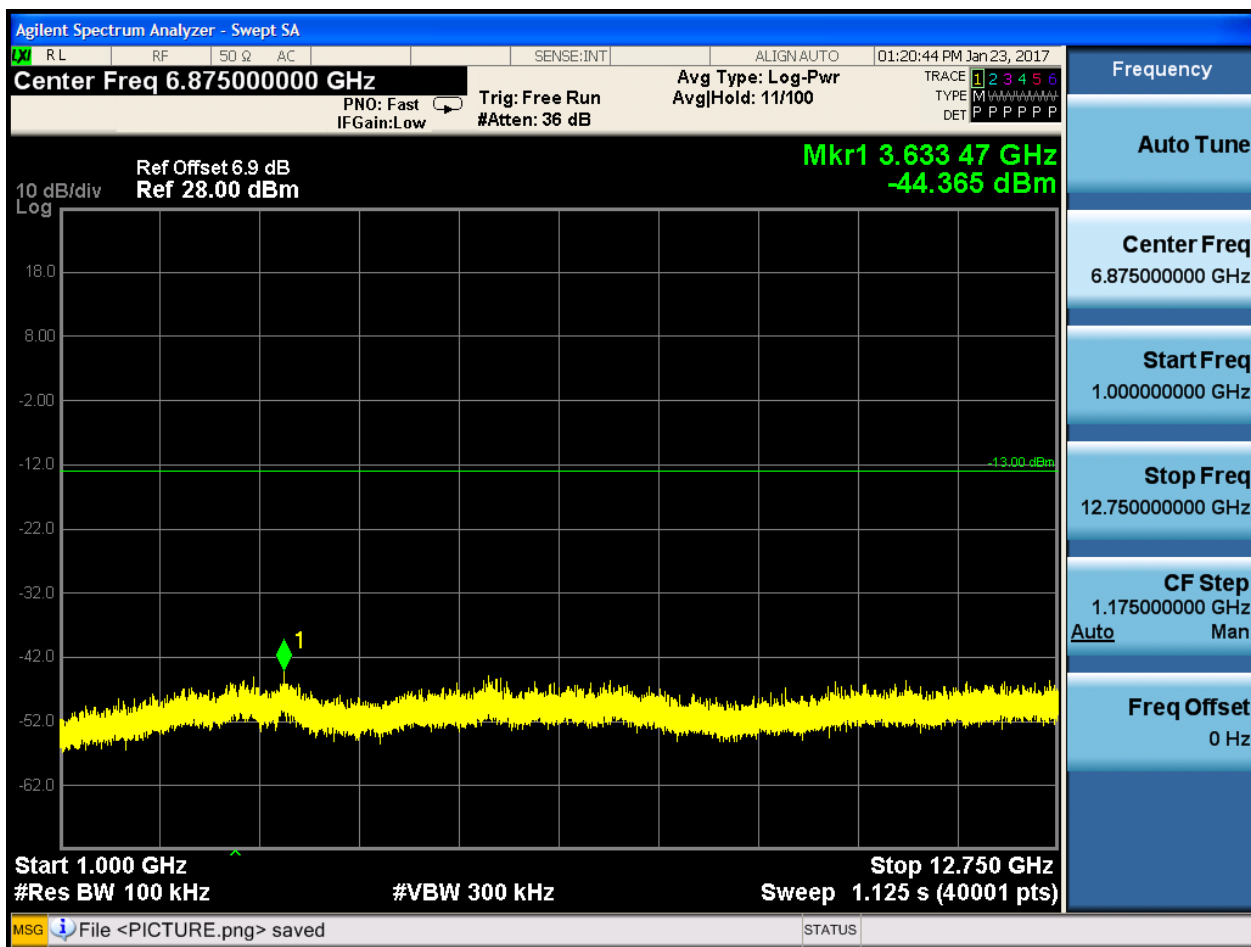
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







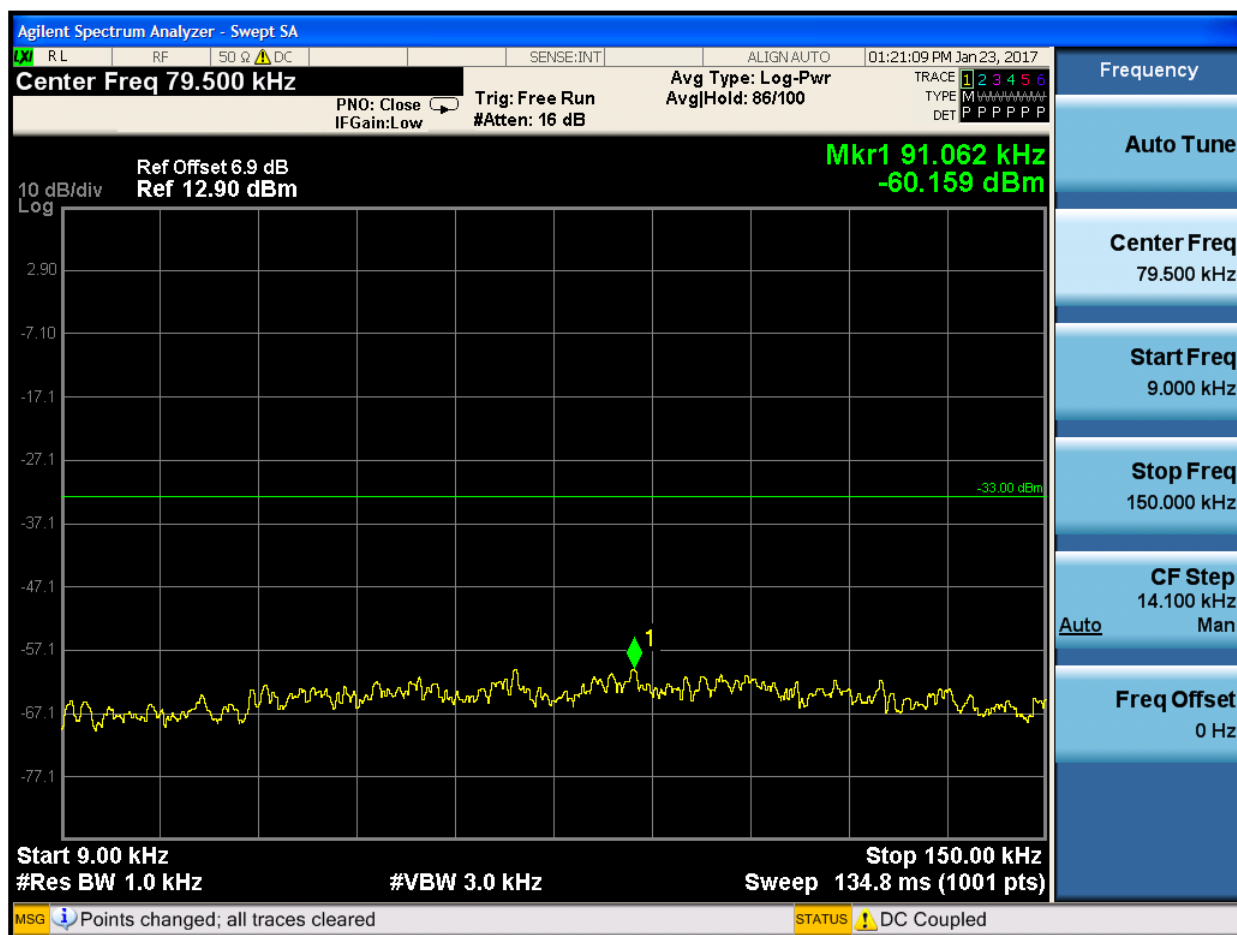


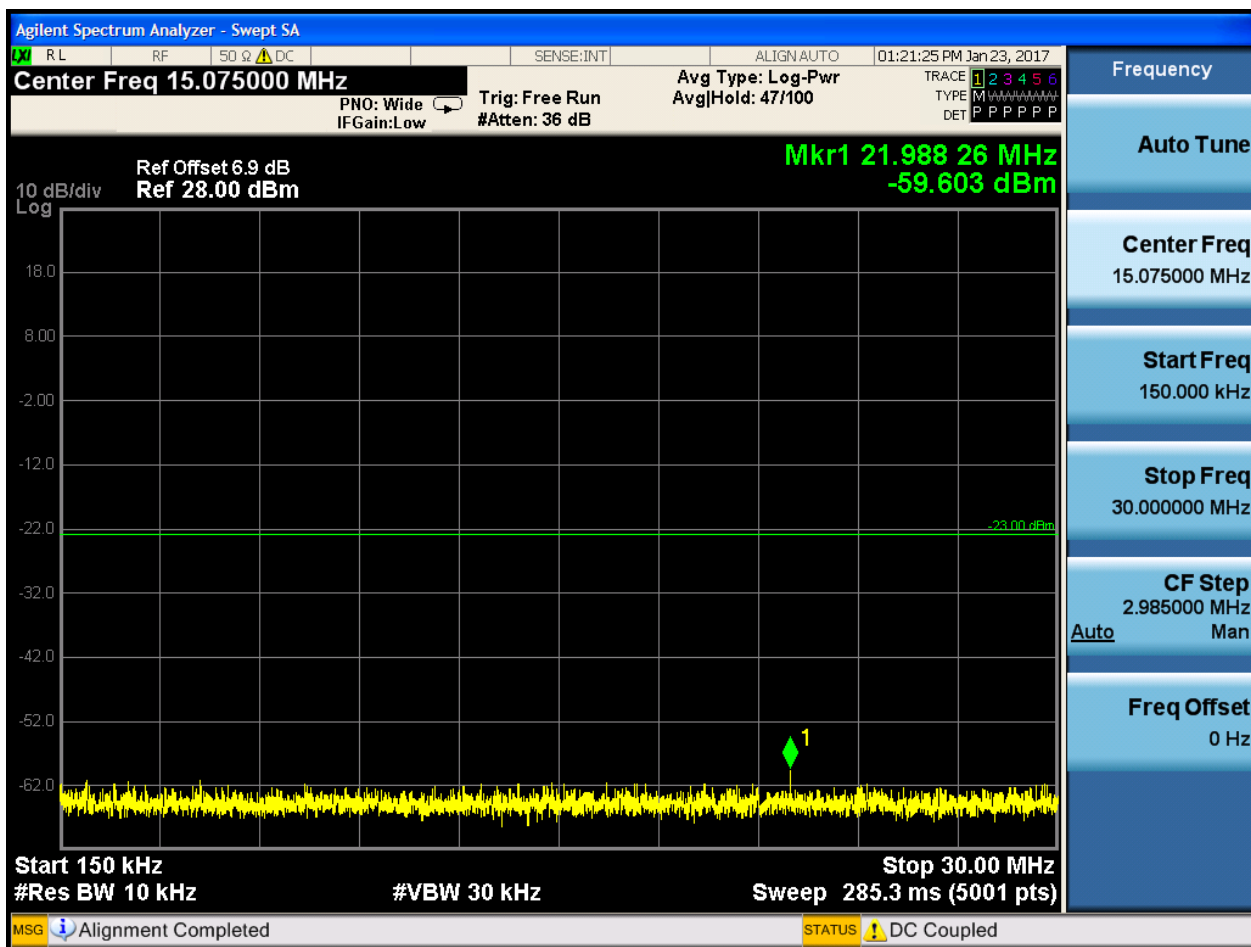


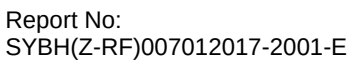
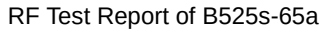
6.1.1.1.4 Test Bandwidth = 10

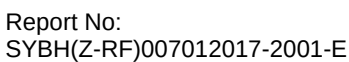
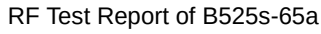
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



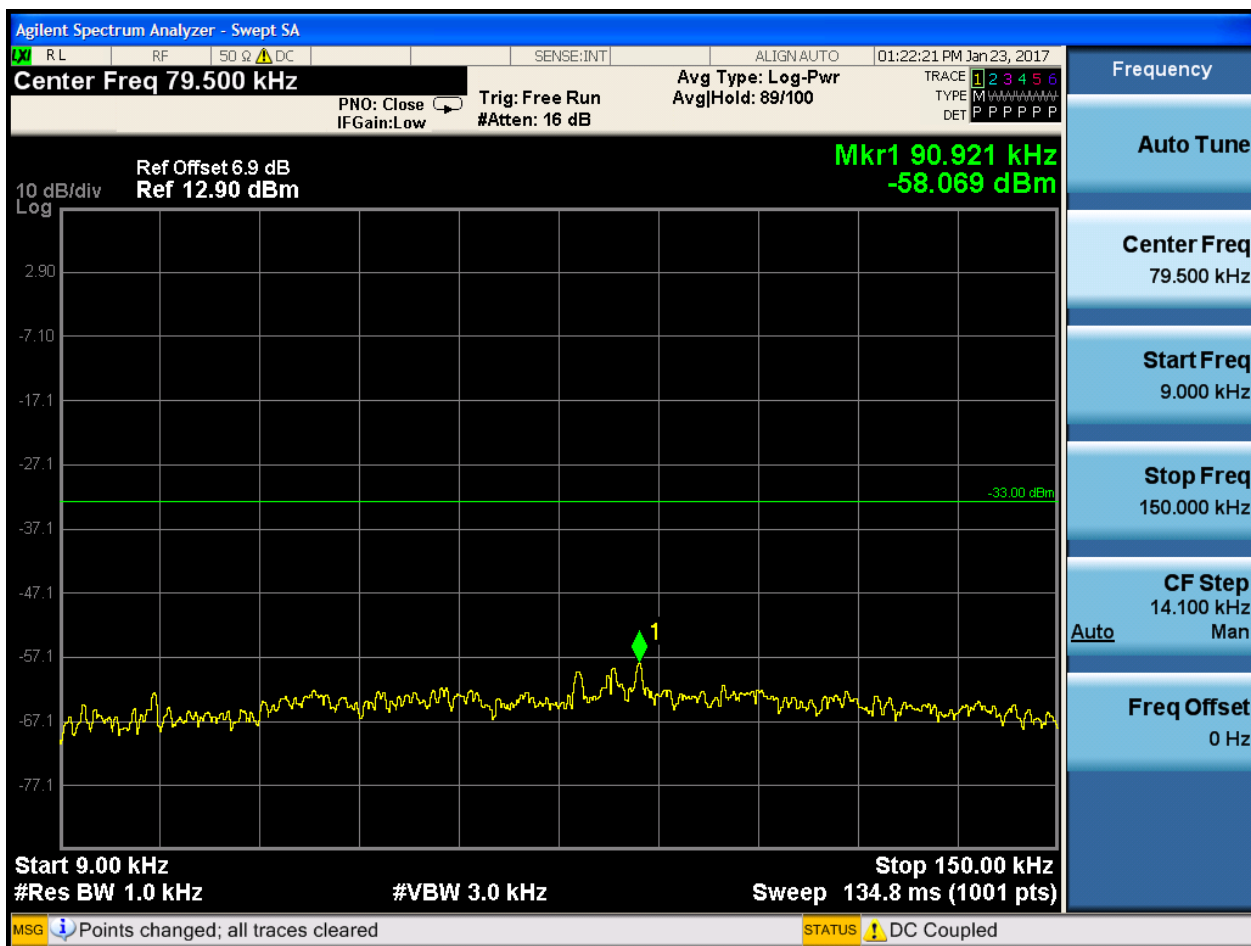


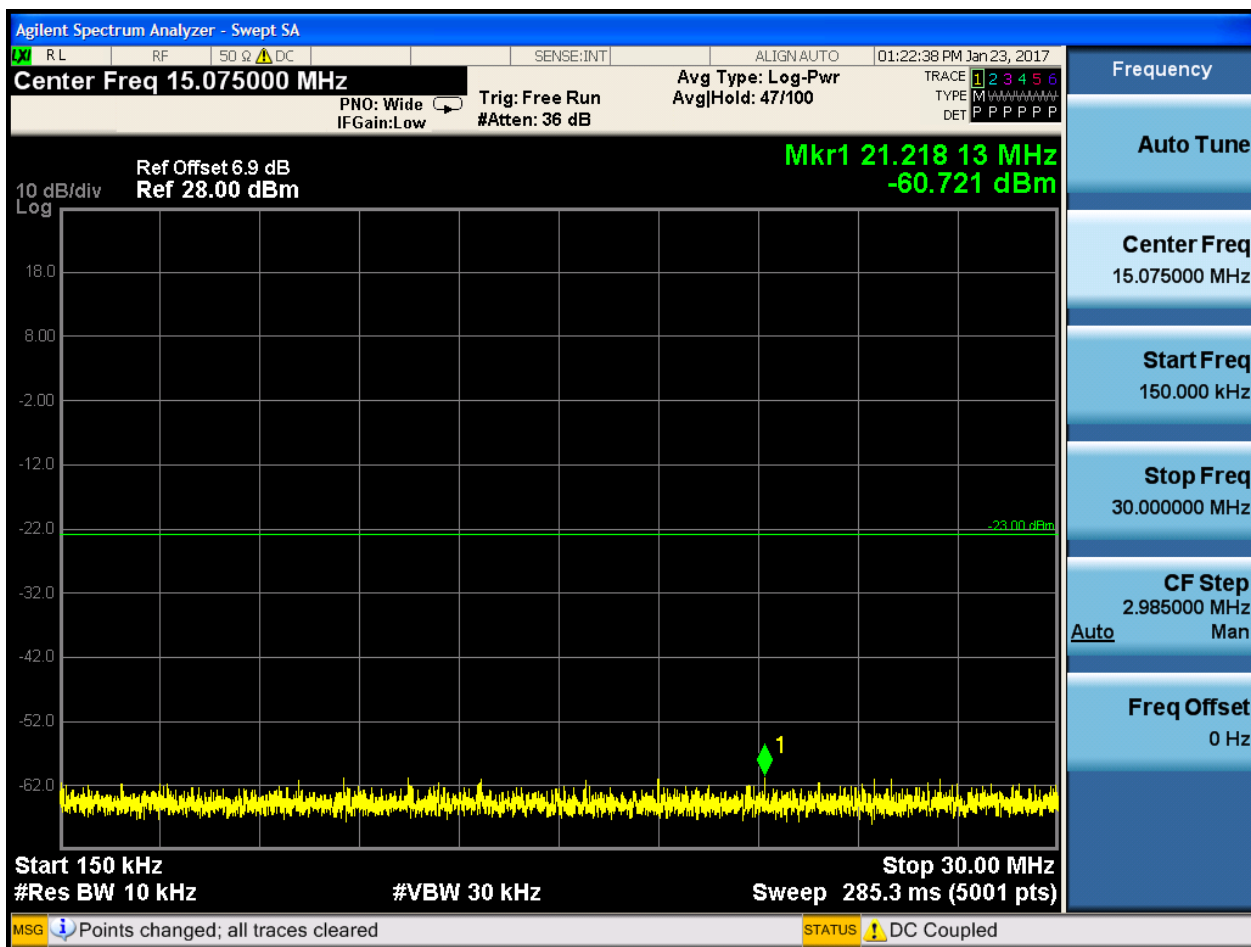


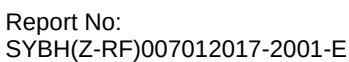
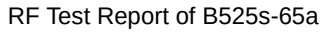


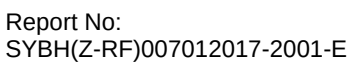
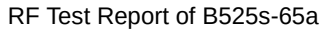
6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0





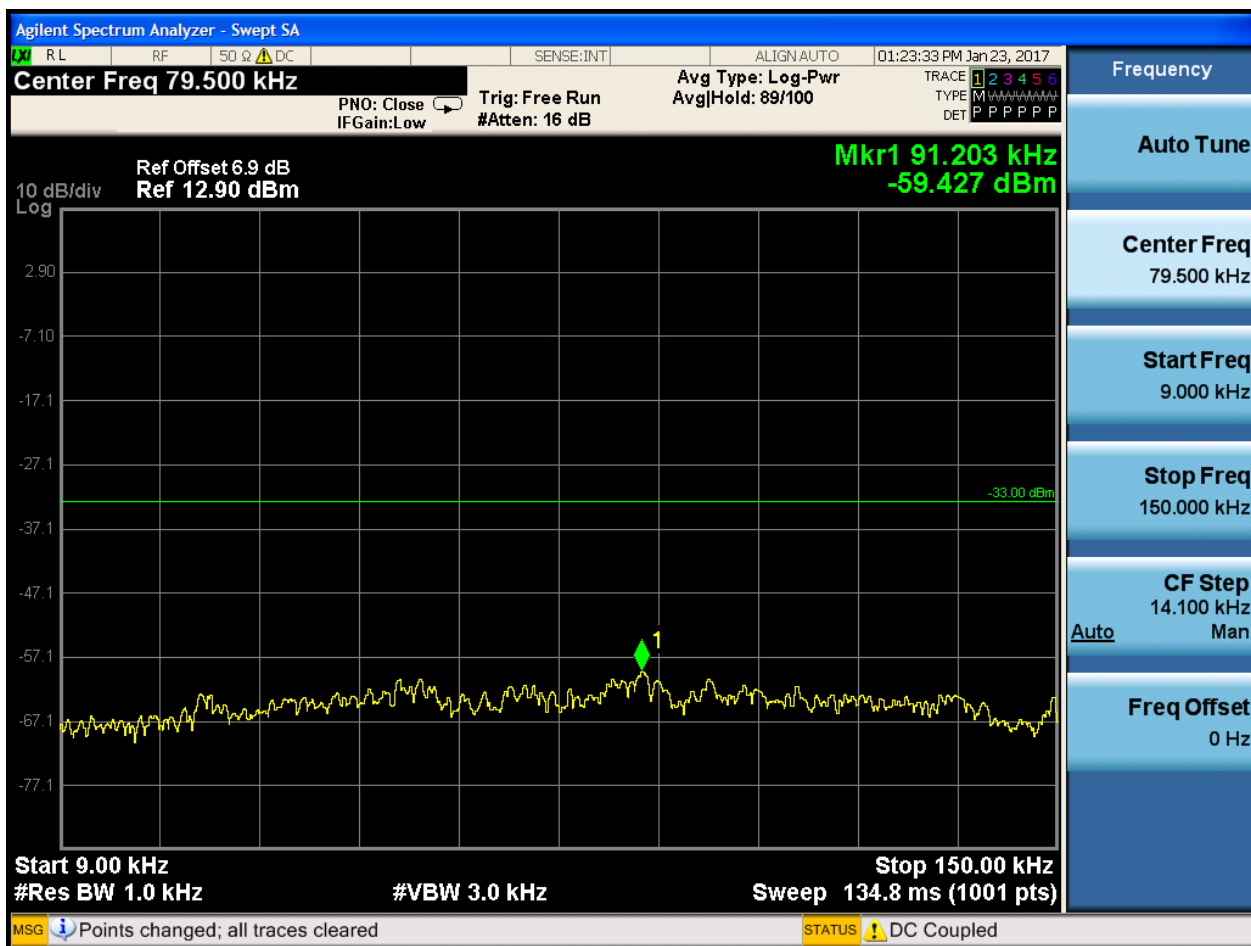


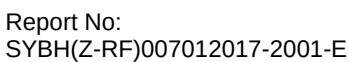
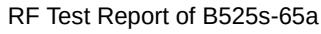


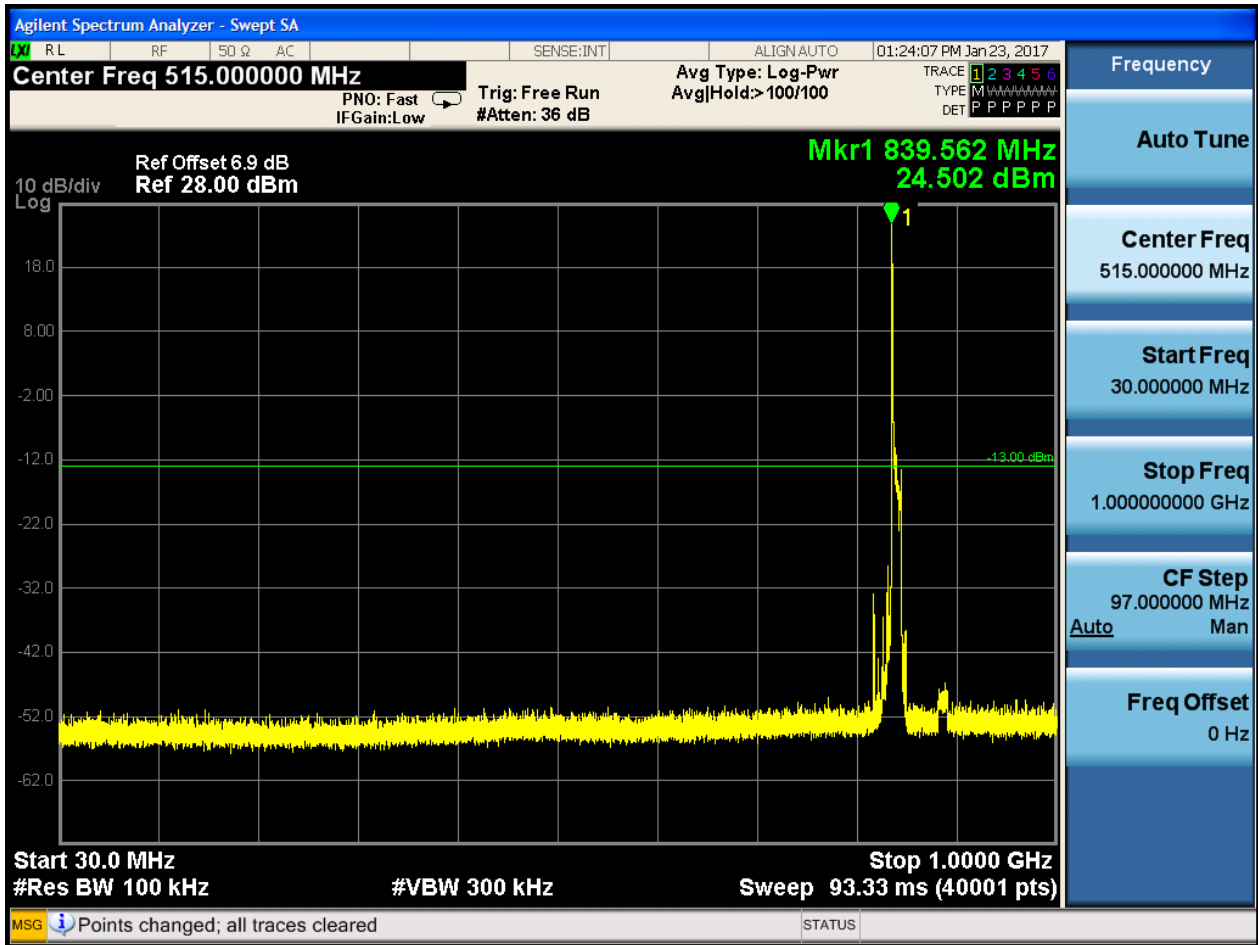


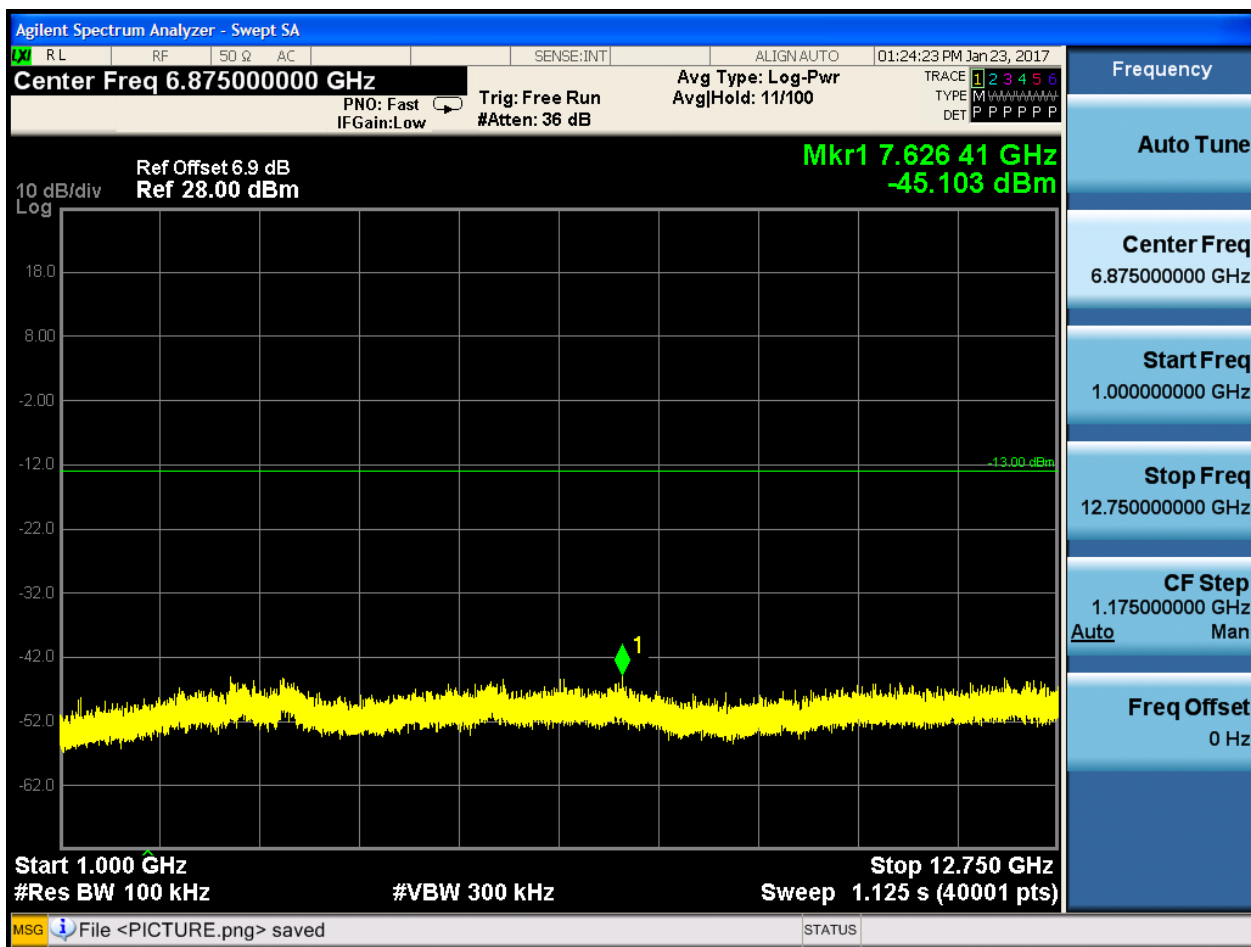
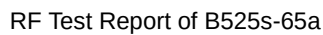
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









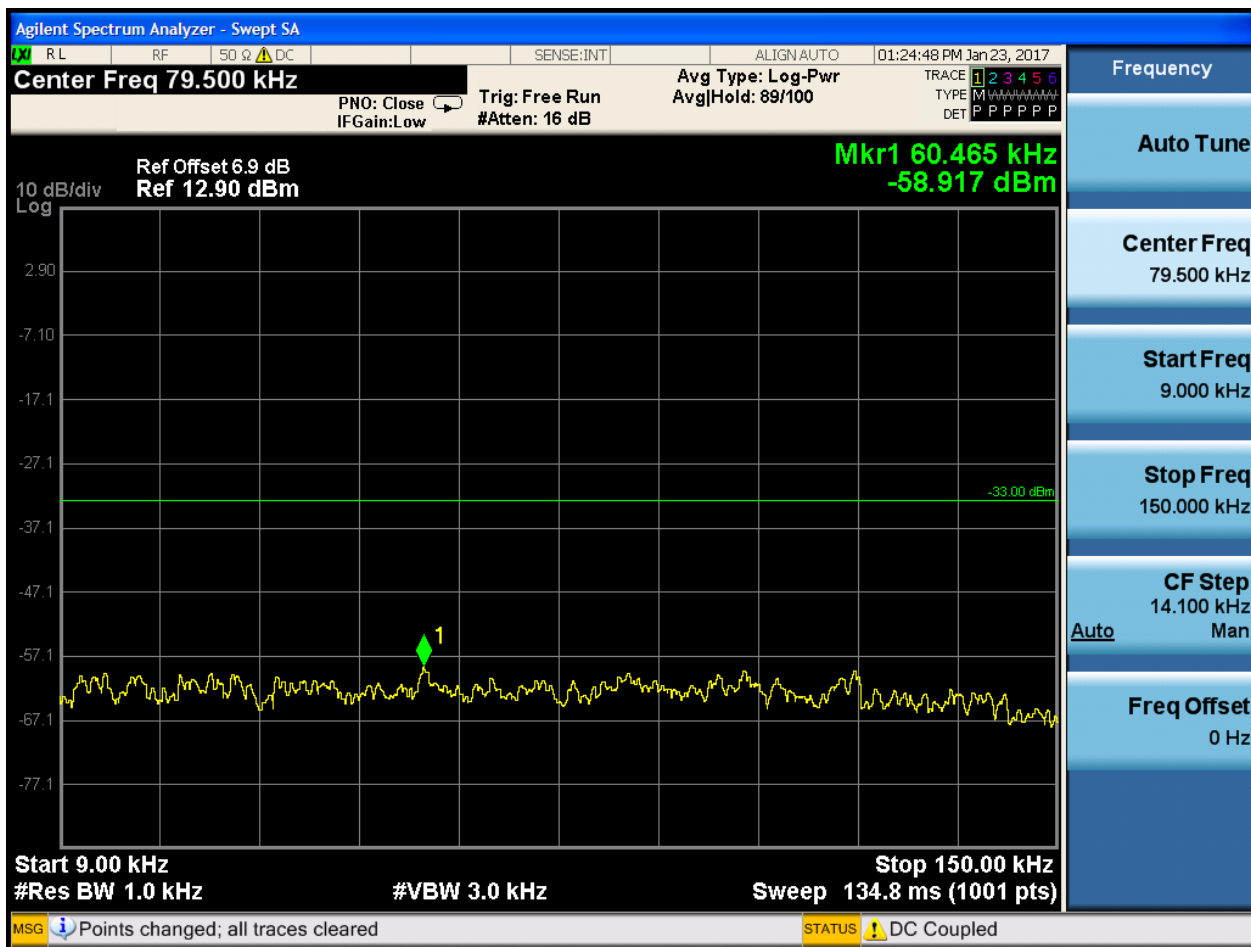


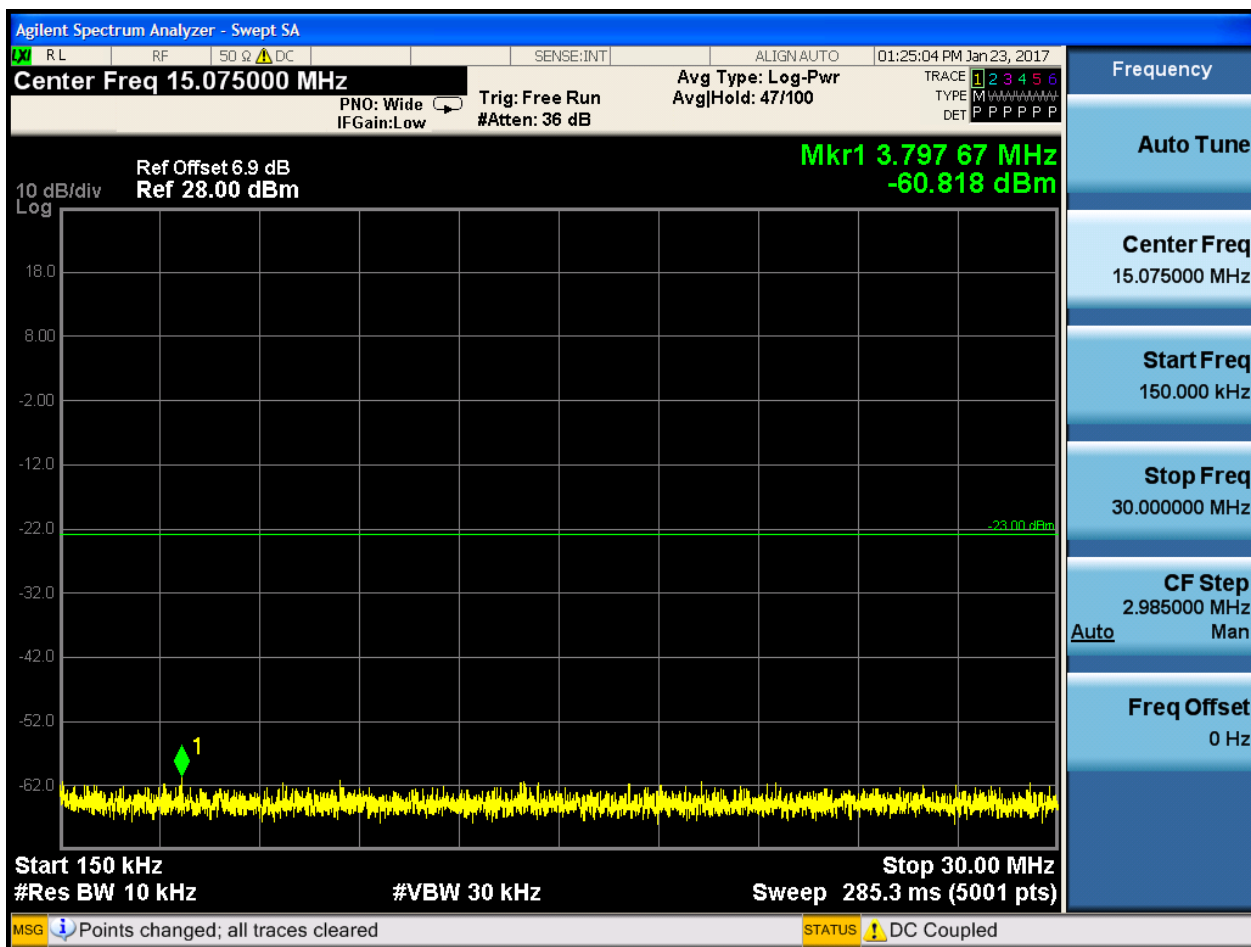
6.1.1.2 Test Mode = LTE/TM2

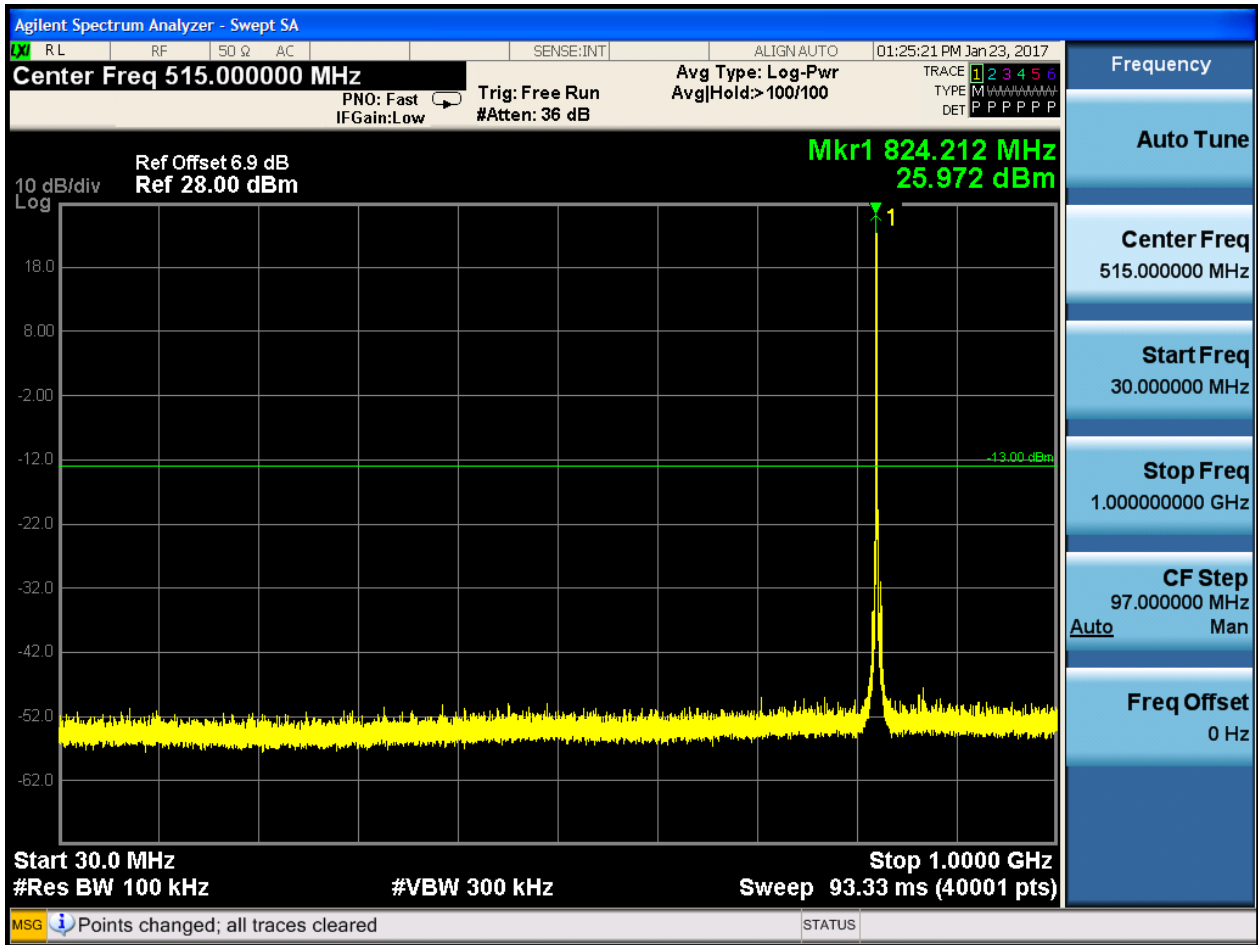
6.1.1.2.1 Test Bandwidth = 1.4

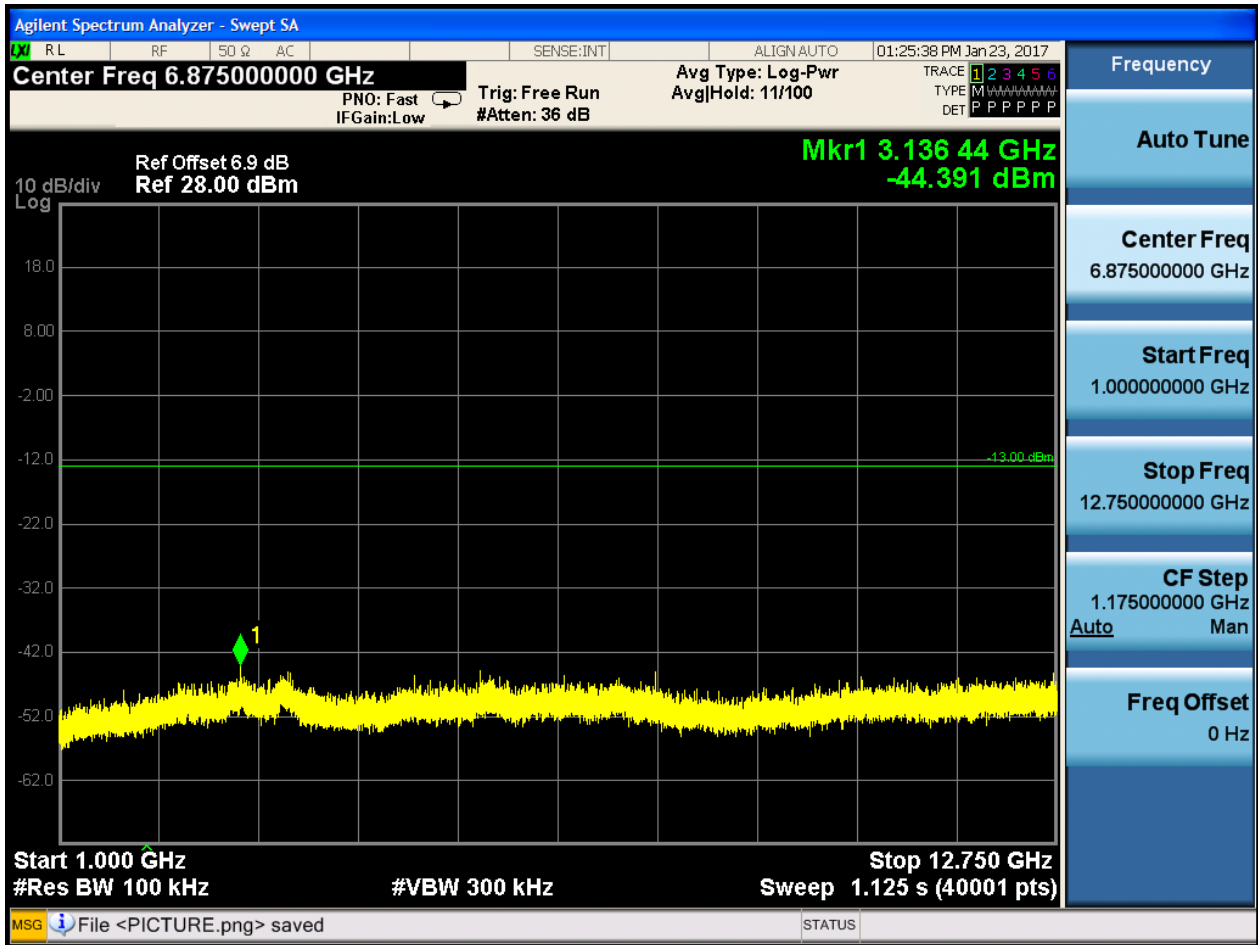
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



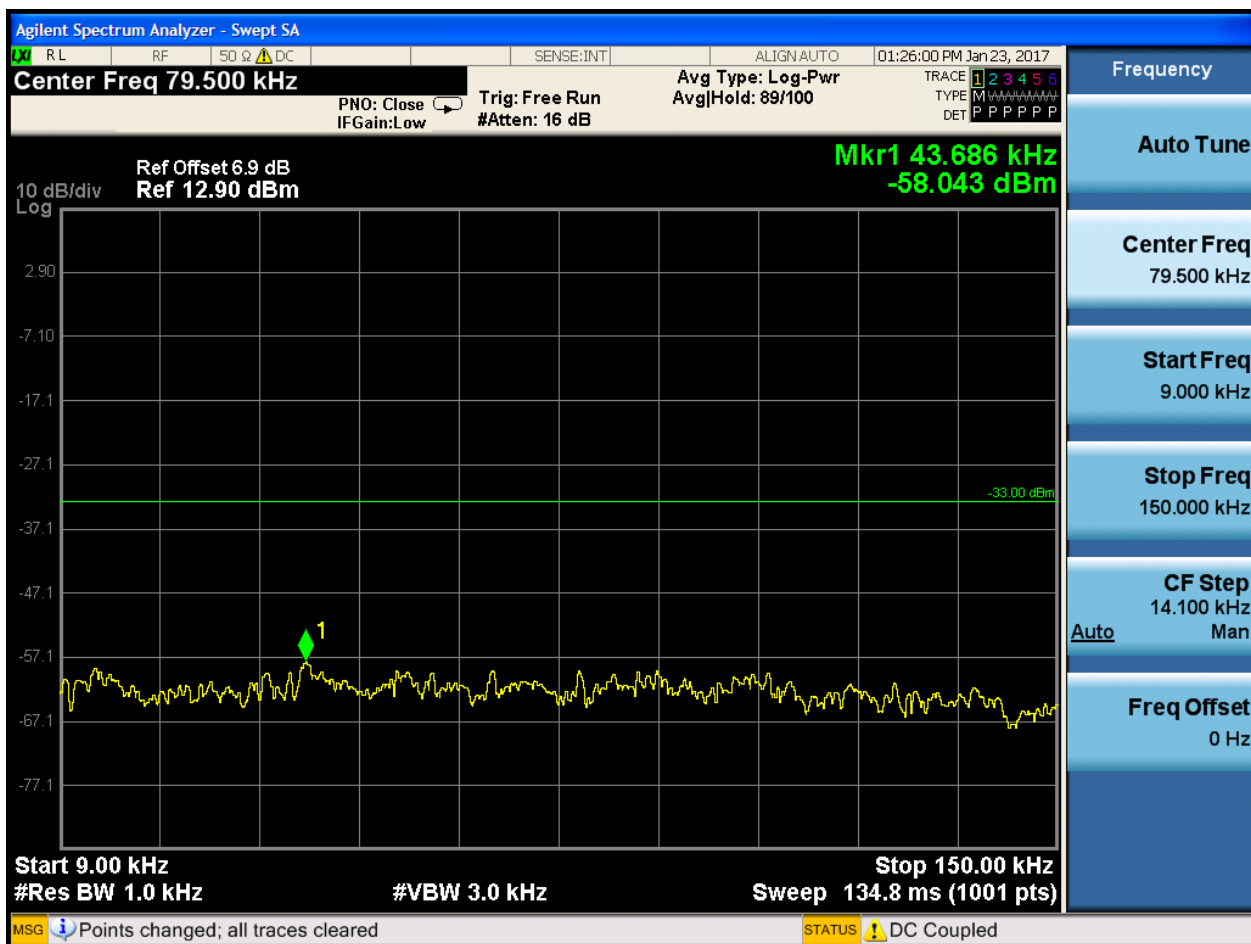


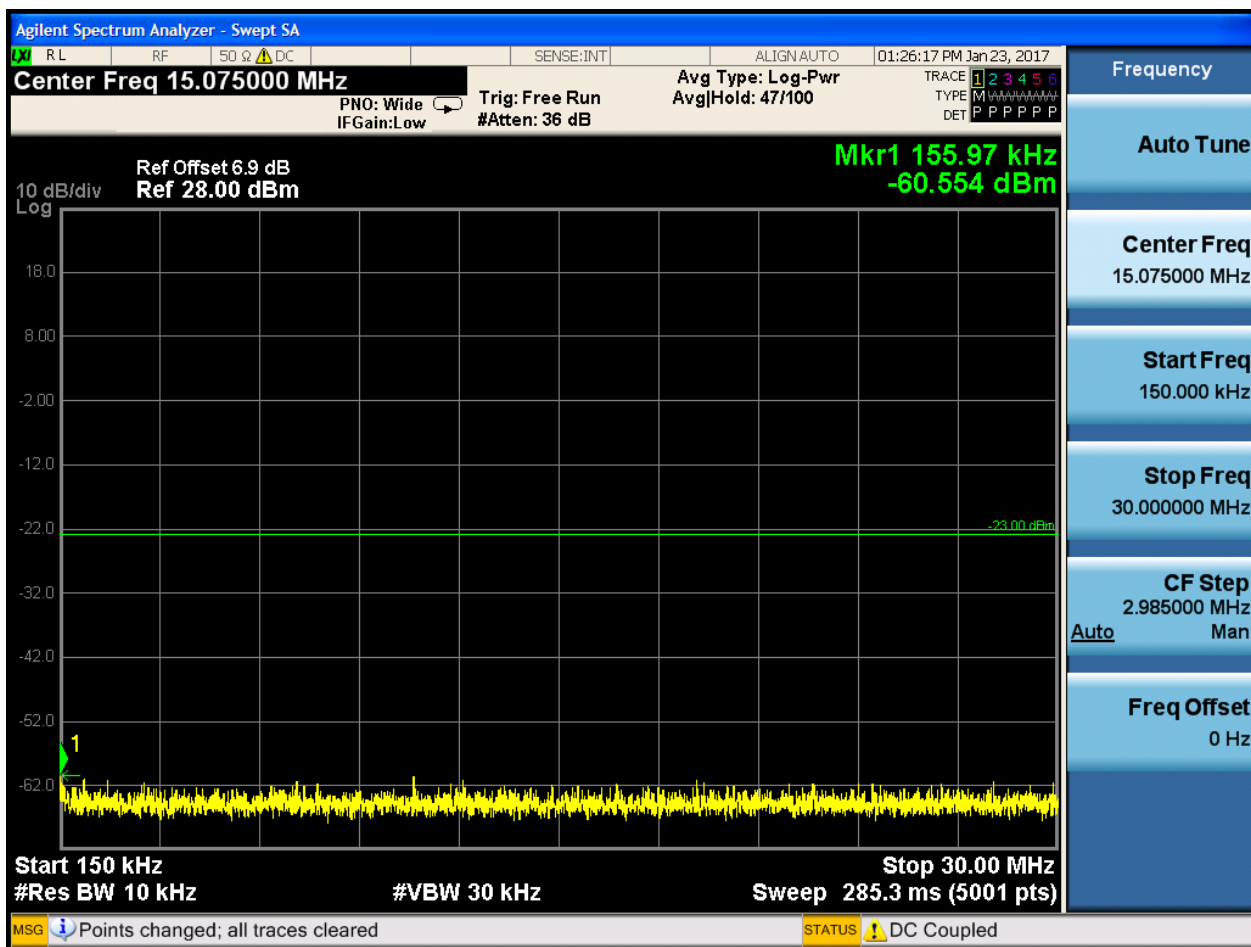


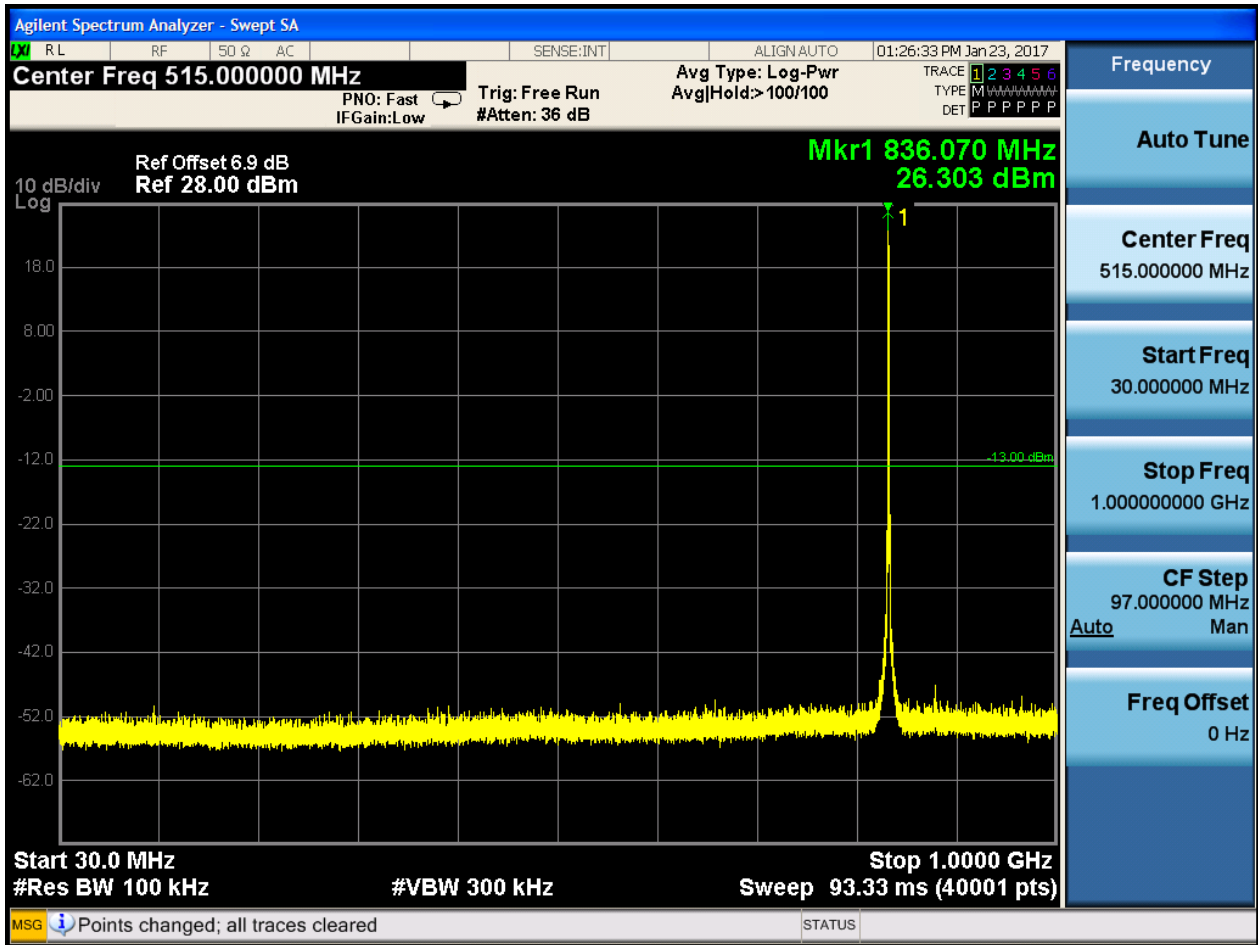


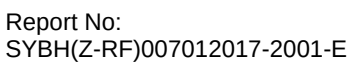
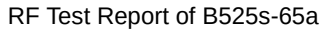
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





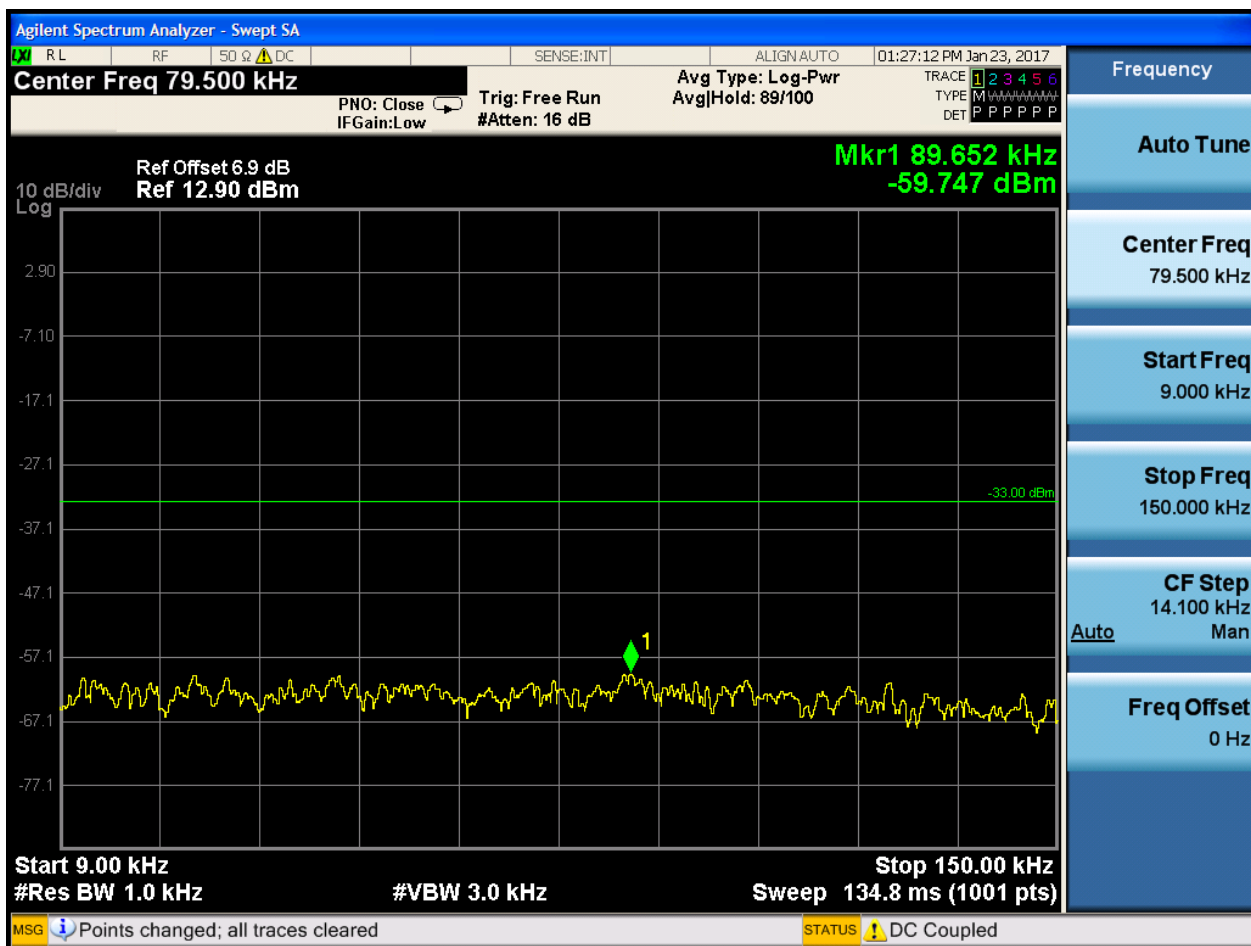


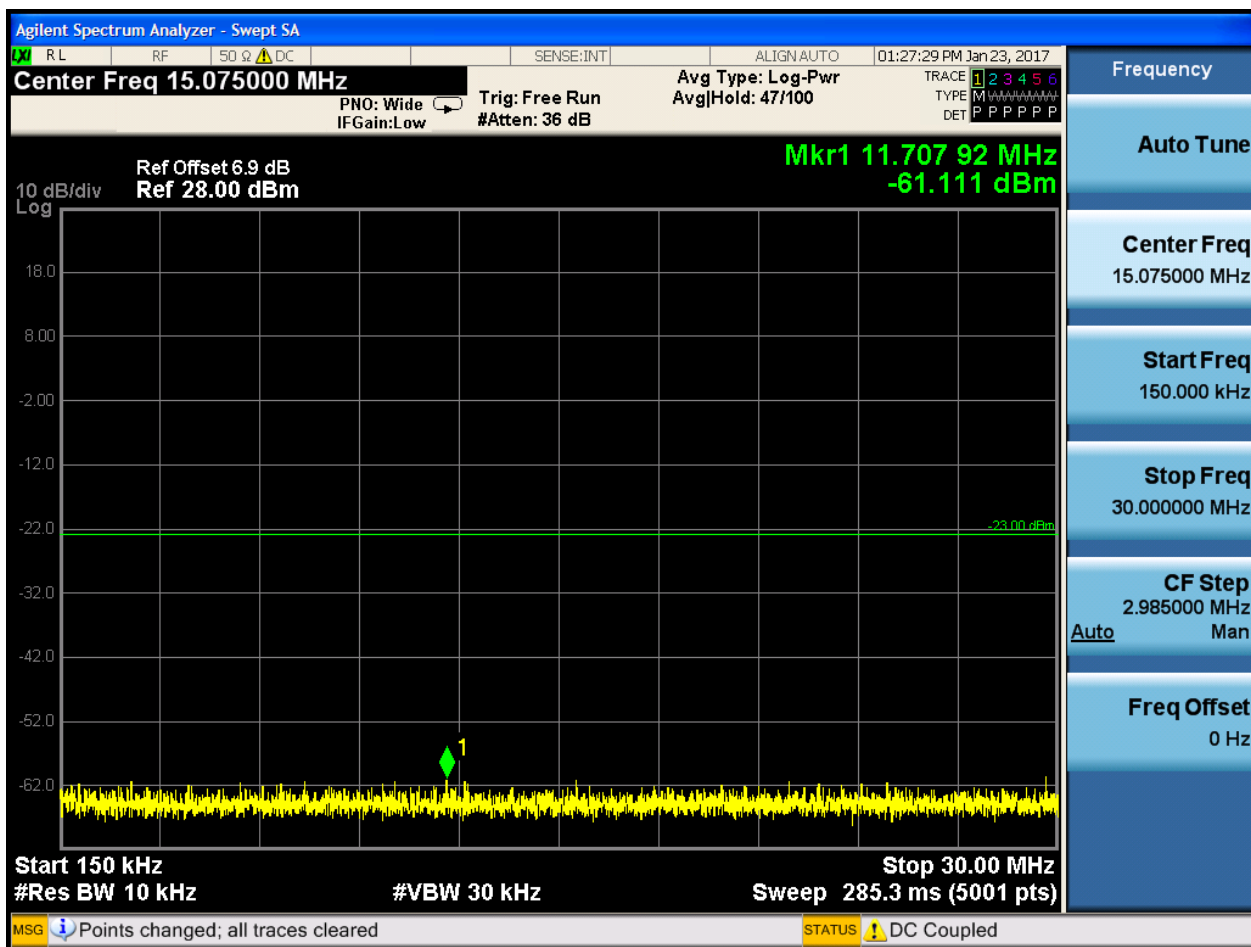


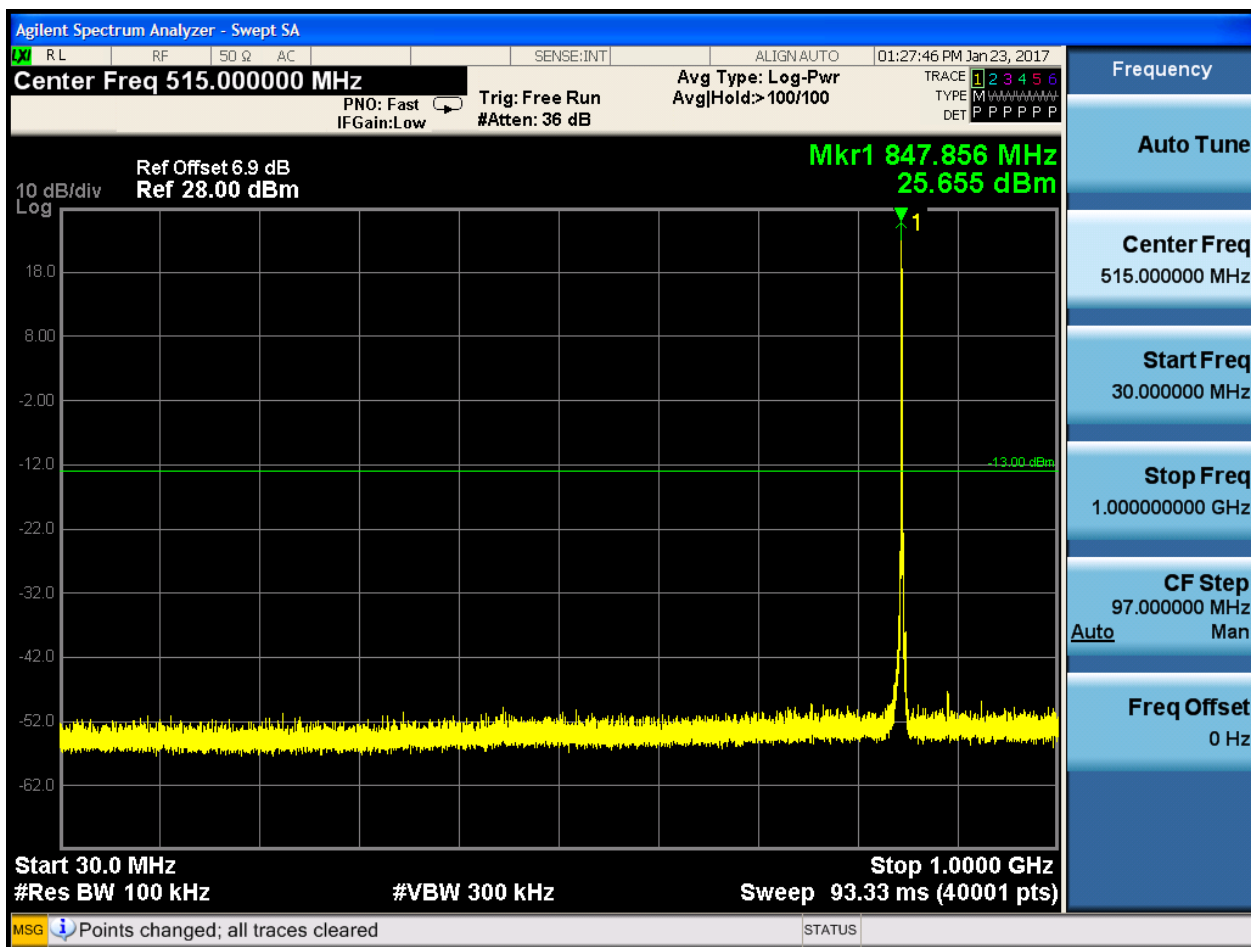


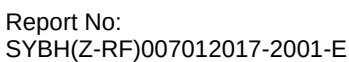
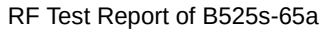
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





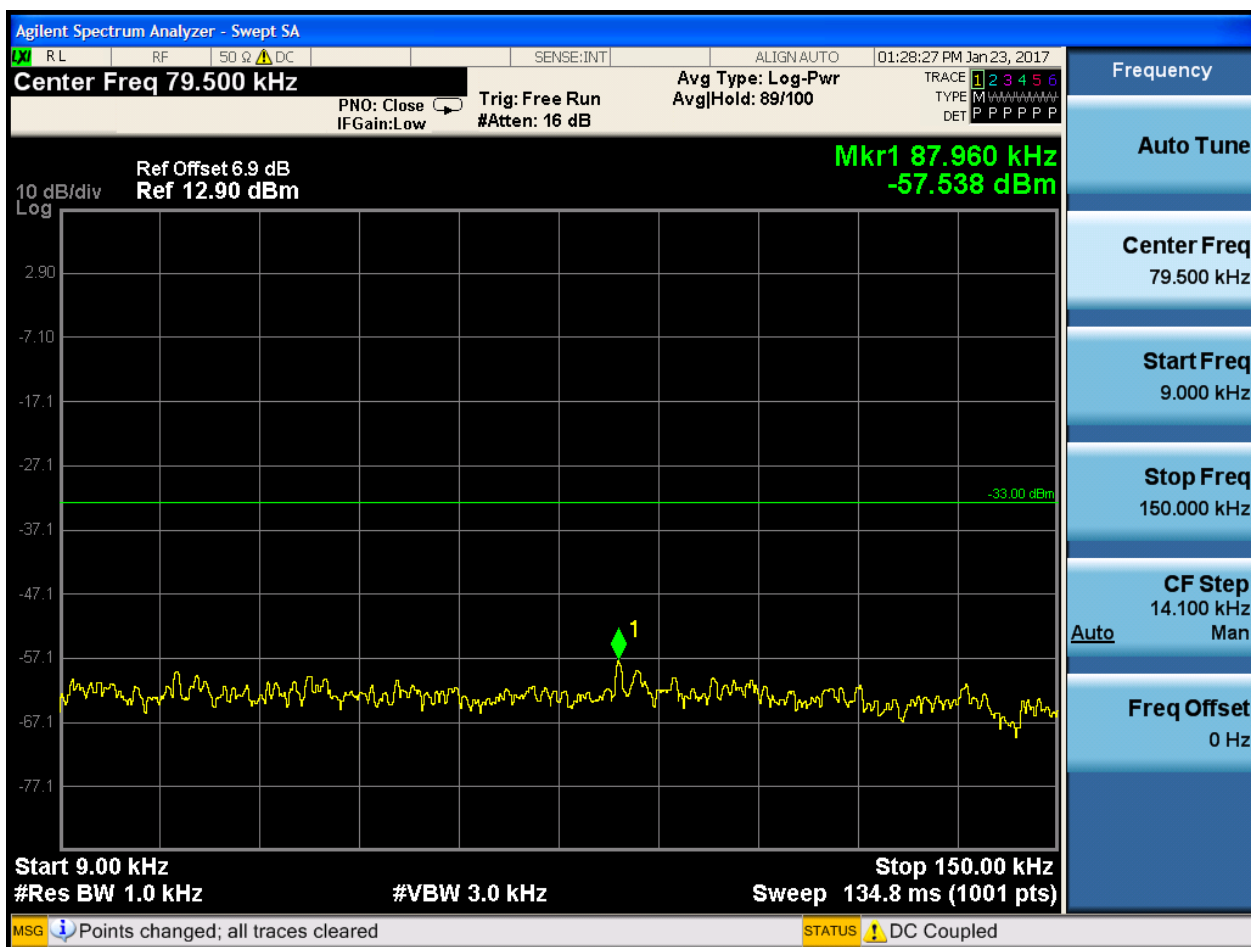


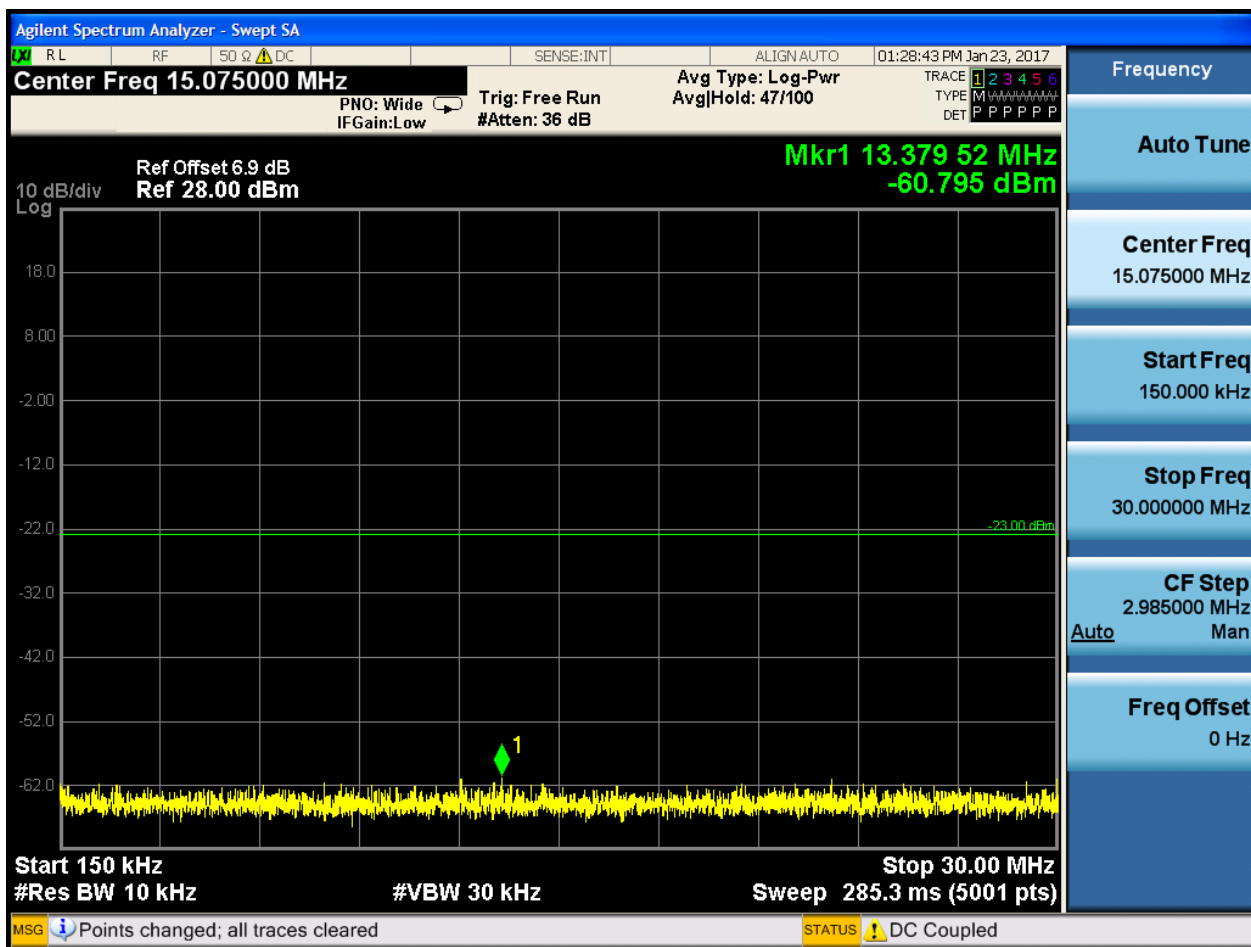


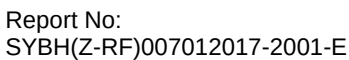
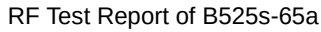
6.1.1.2.2 Test Bandwidth = 3

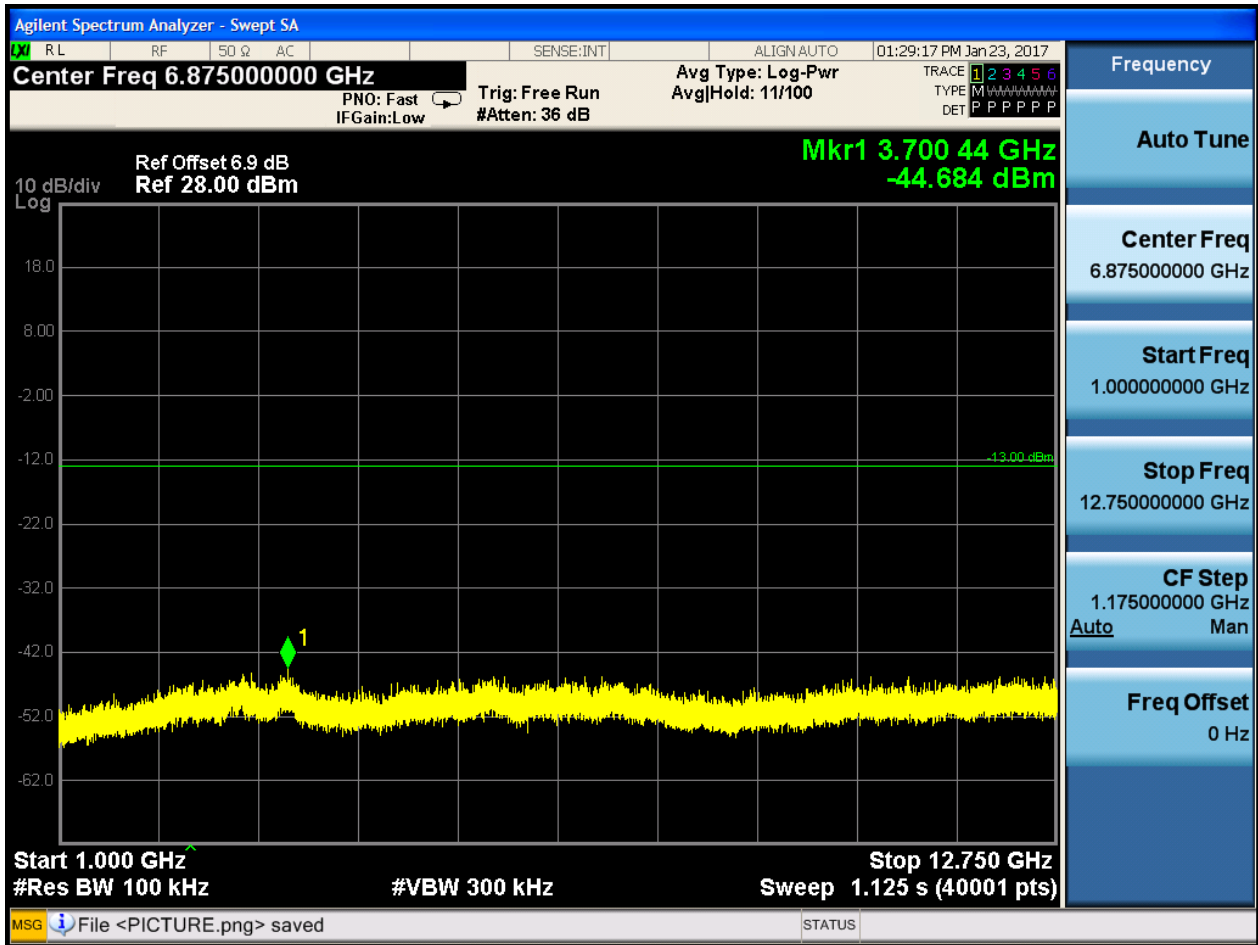
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





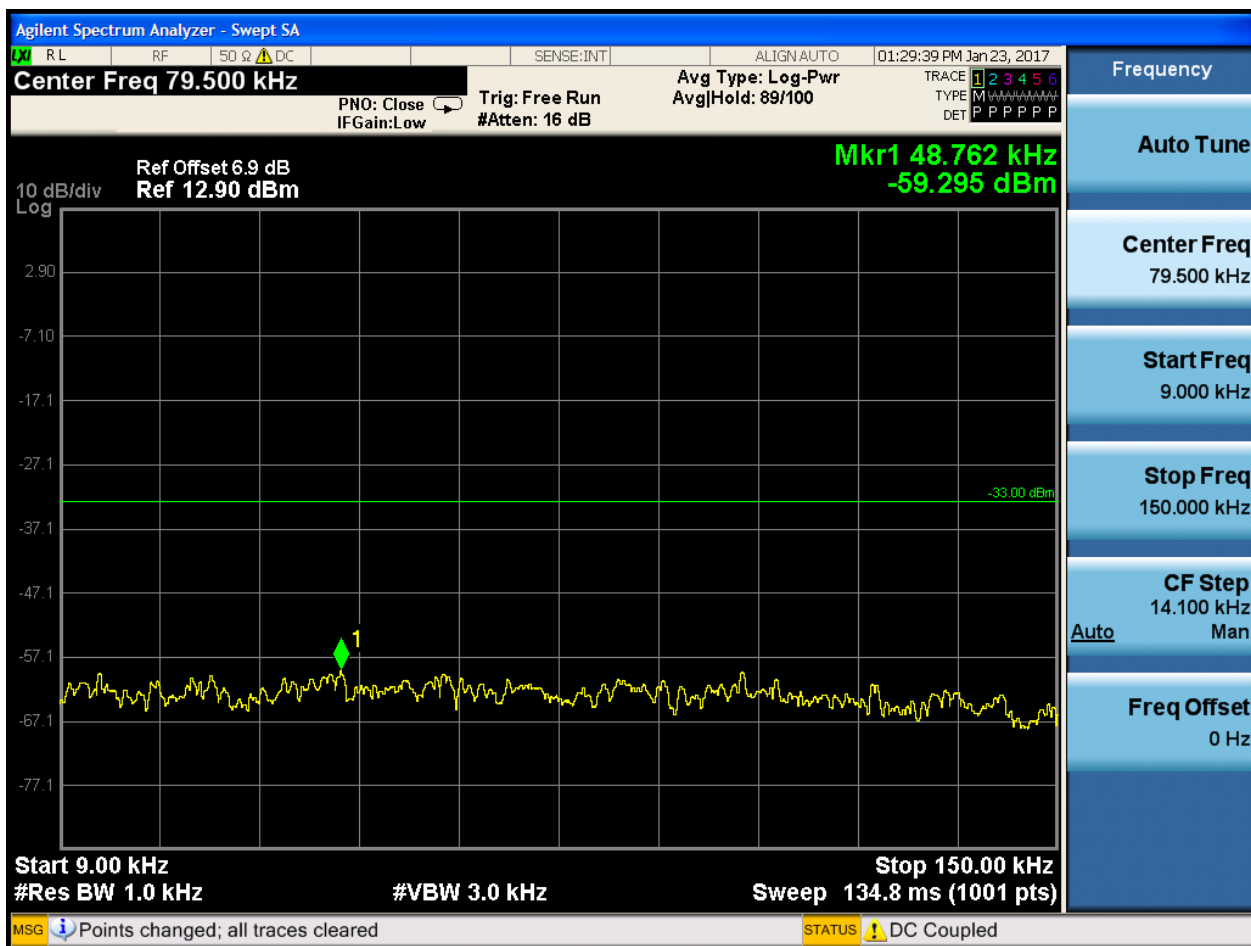


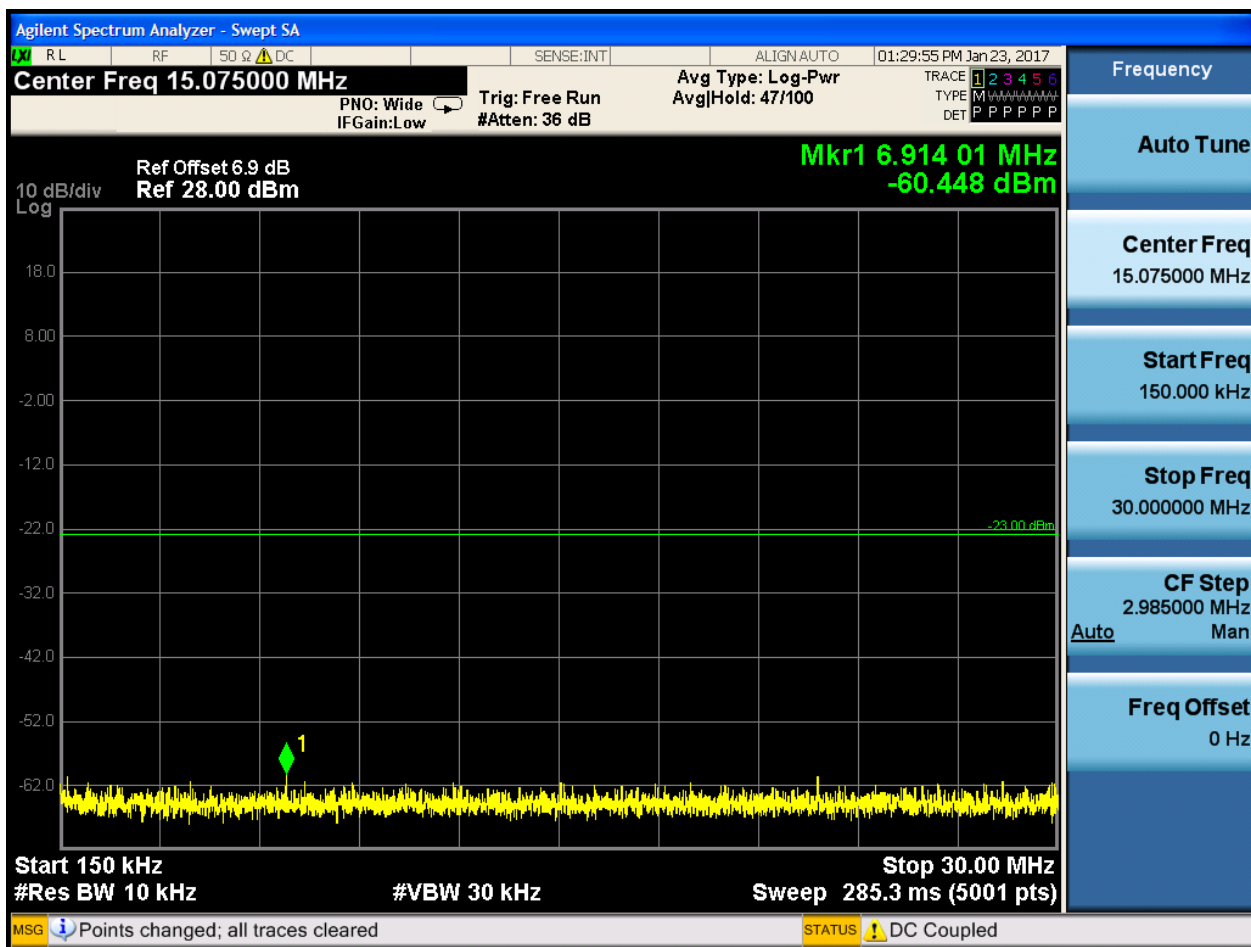


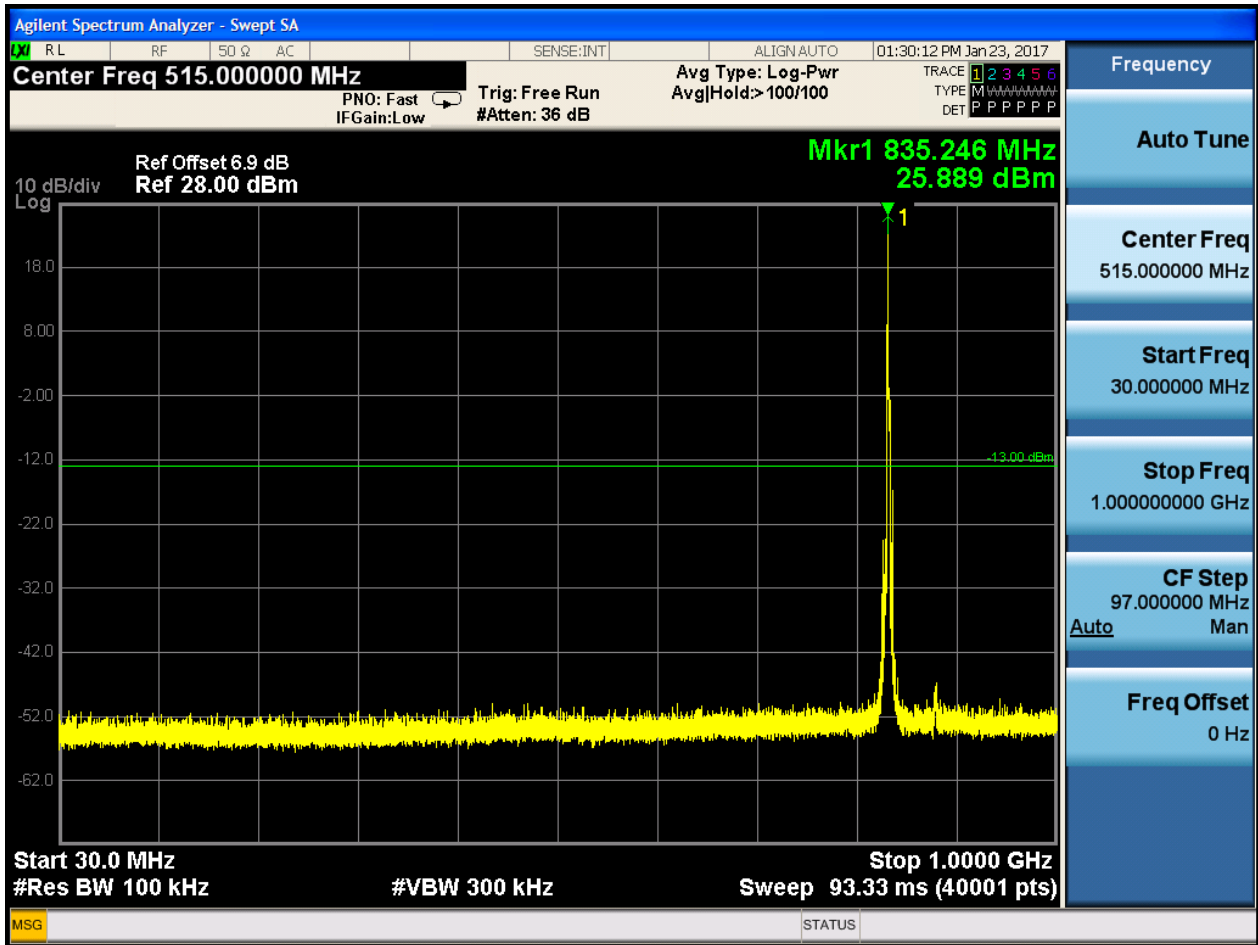


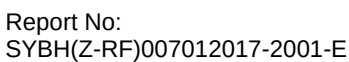
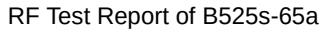
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0





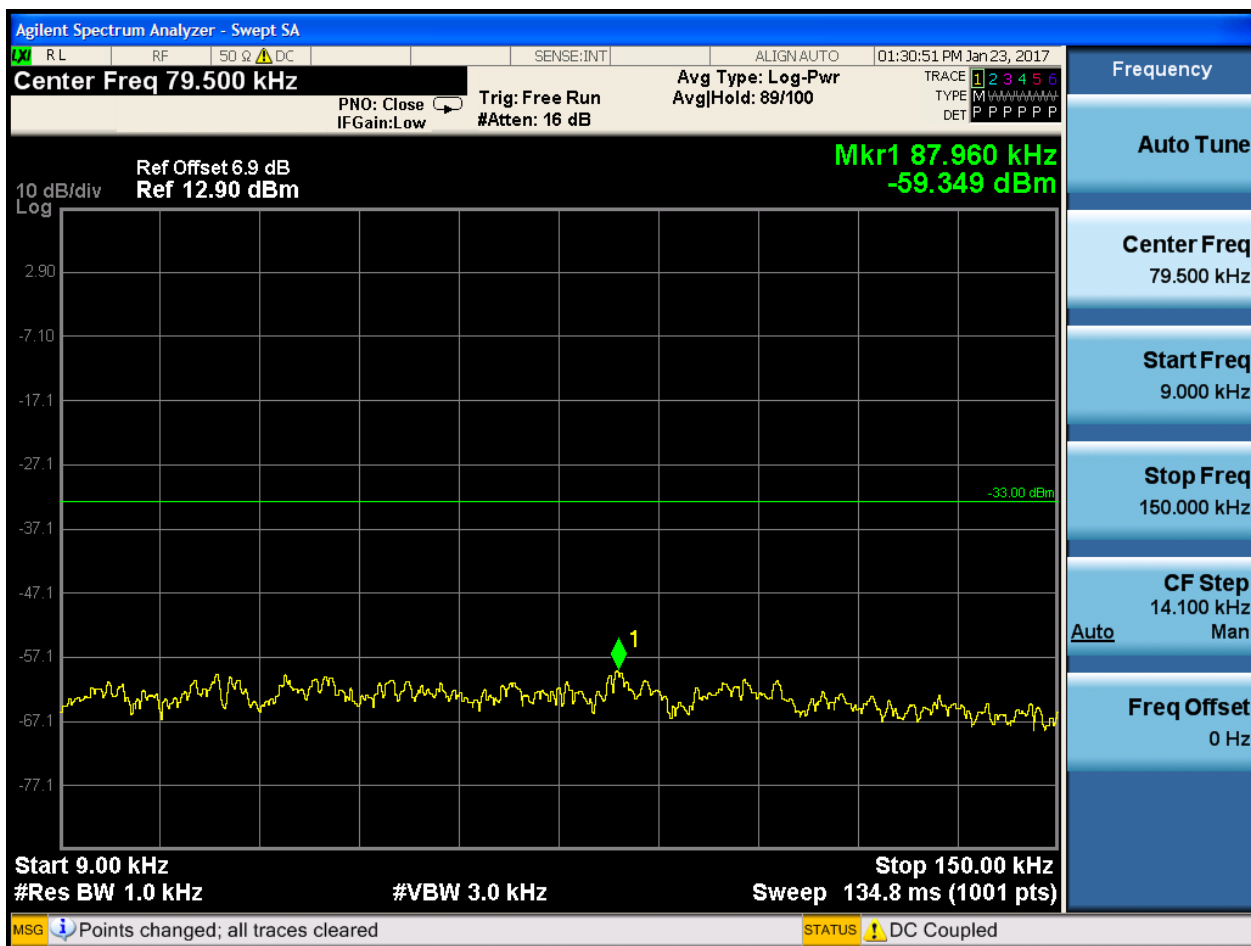


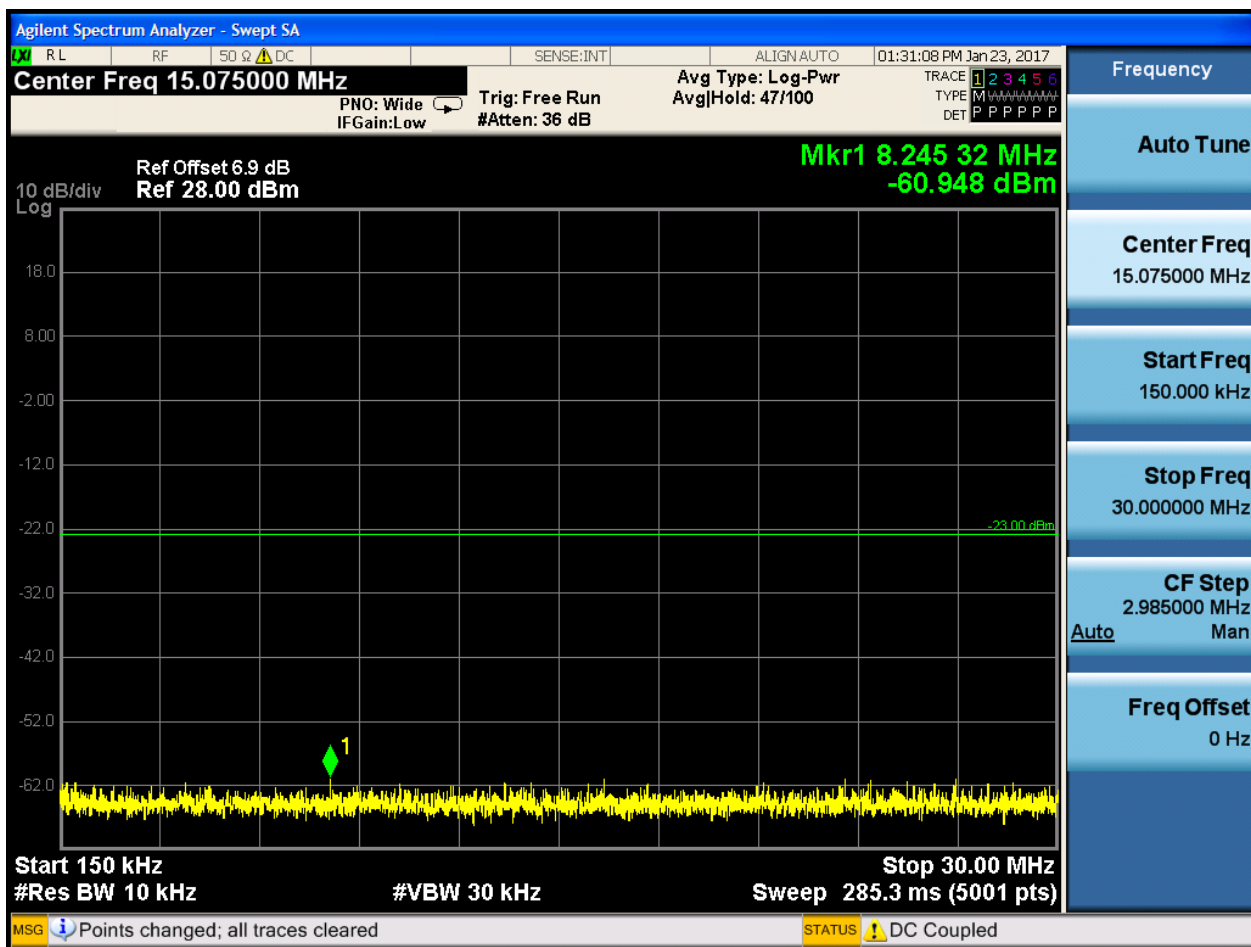


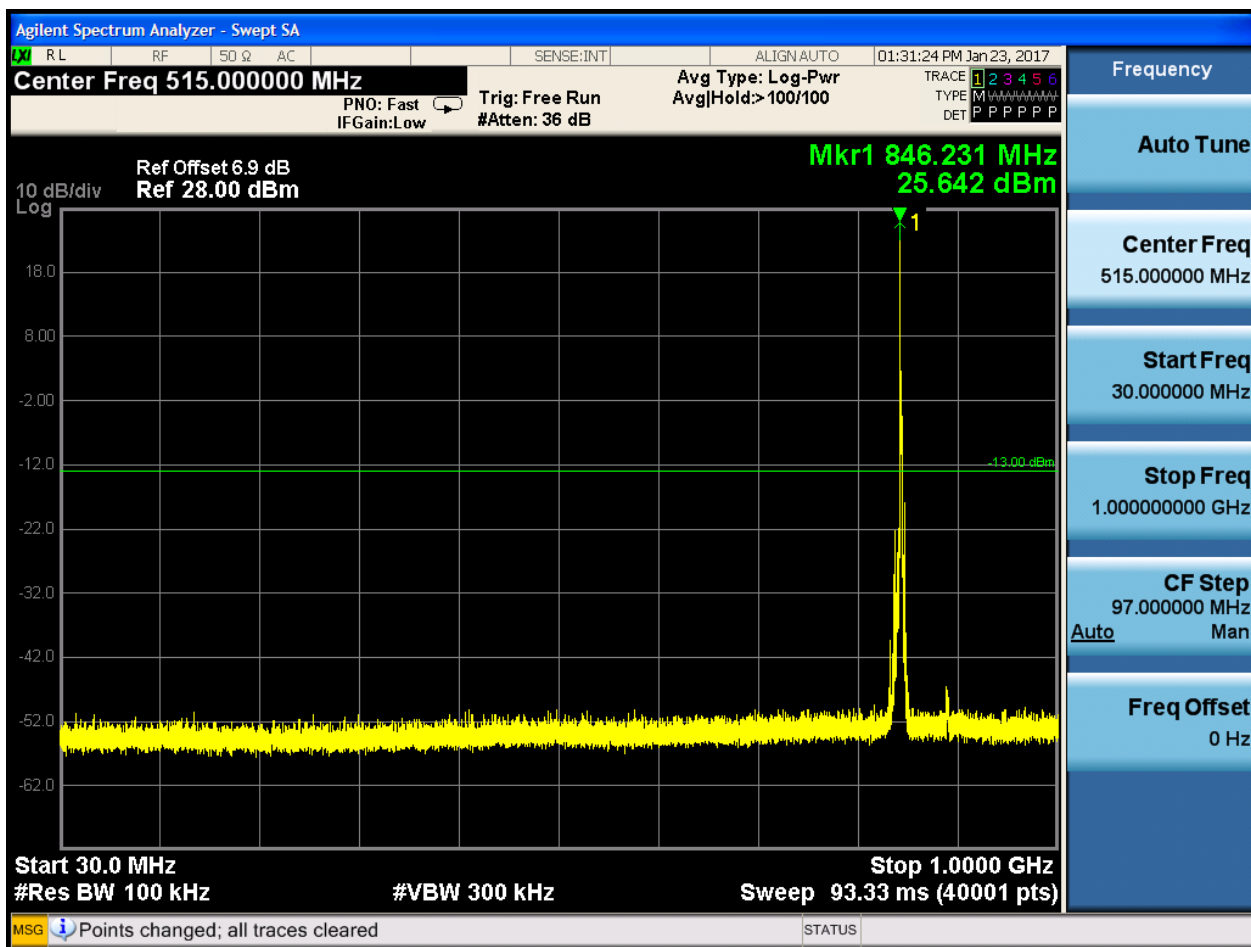


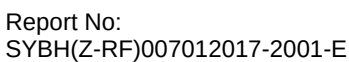
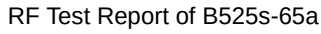
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







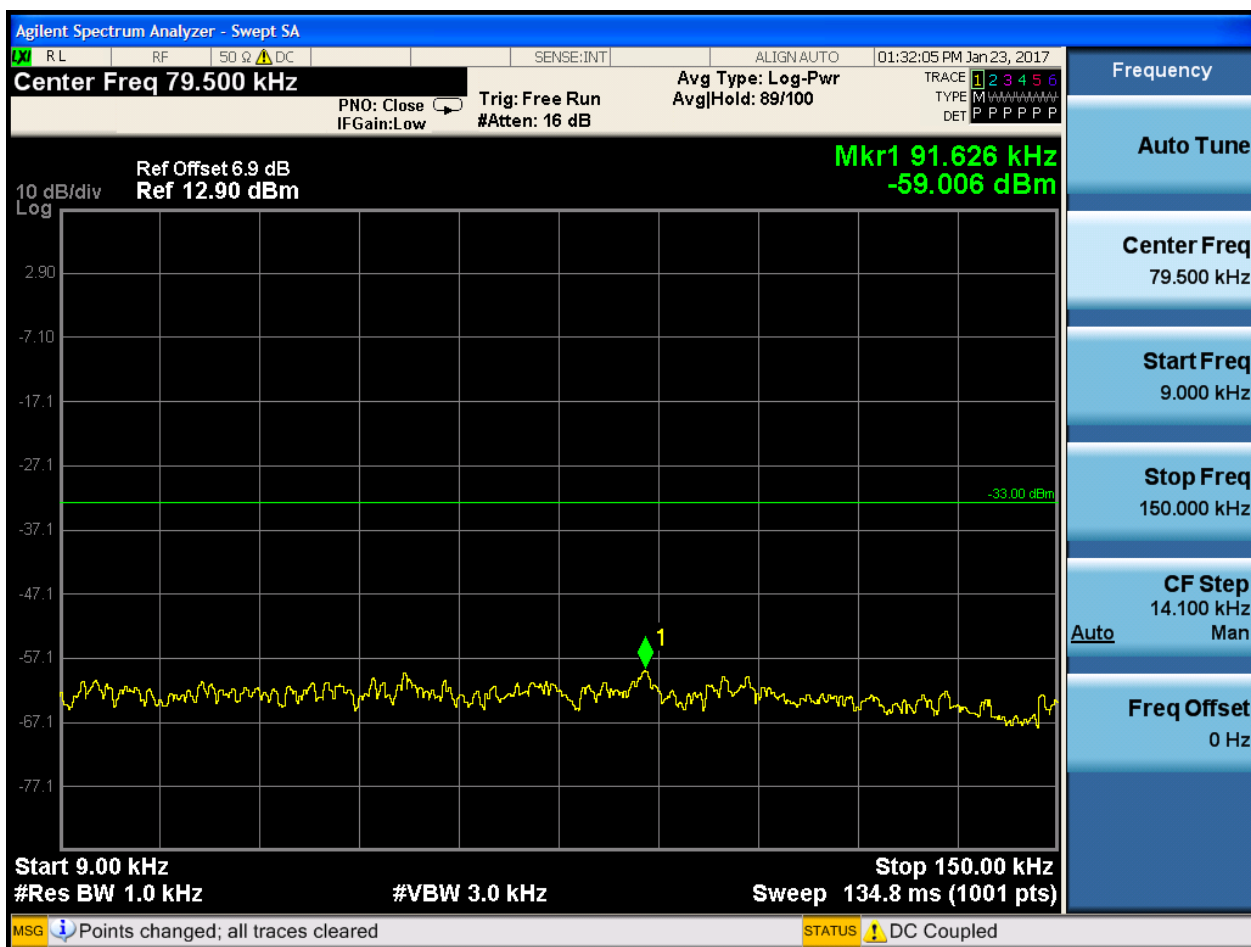


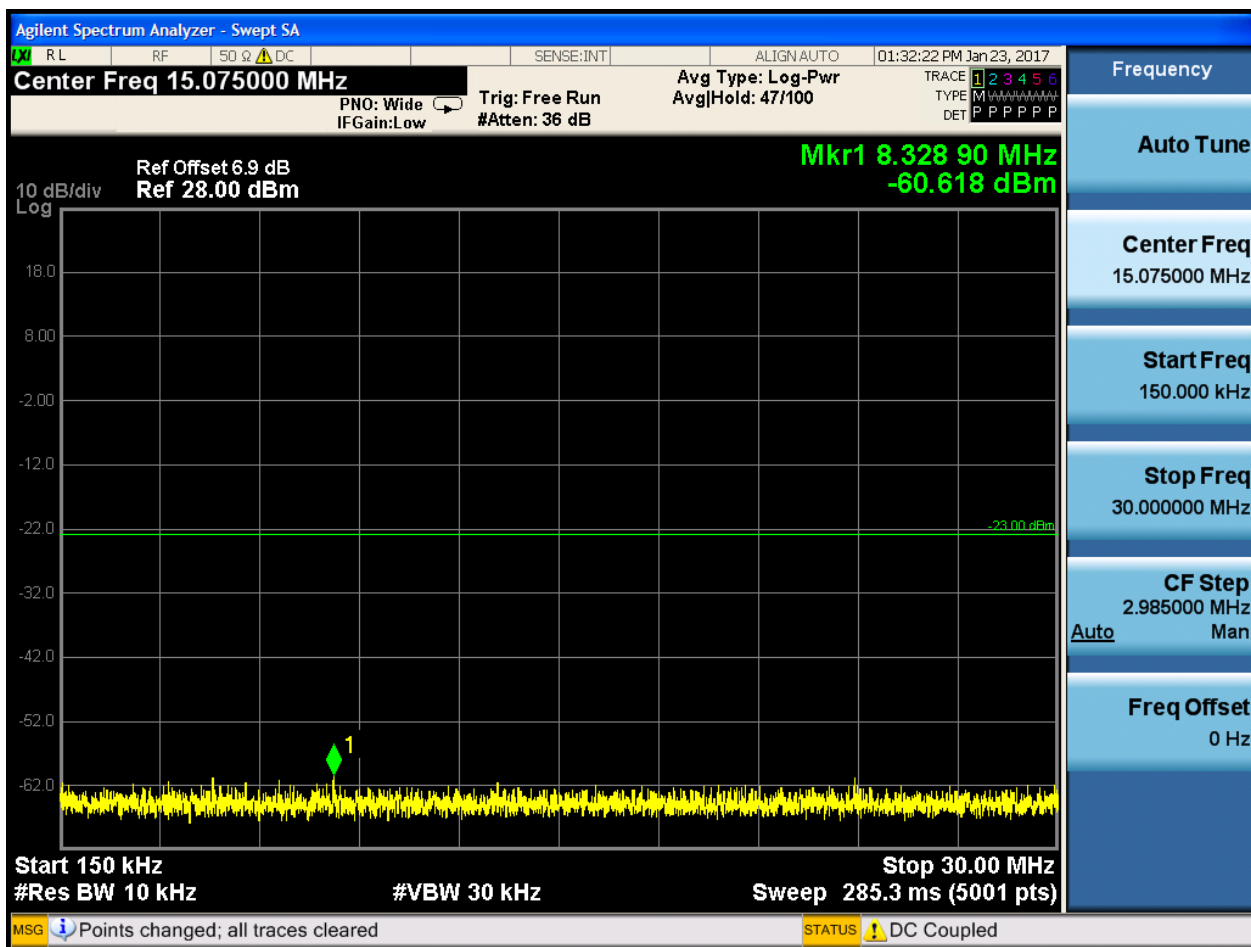


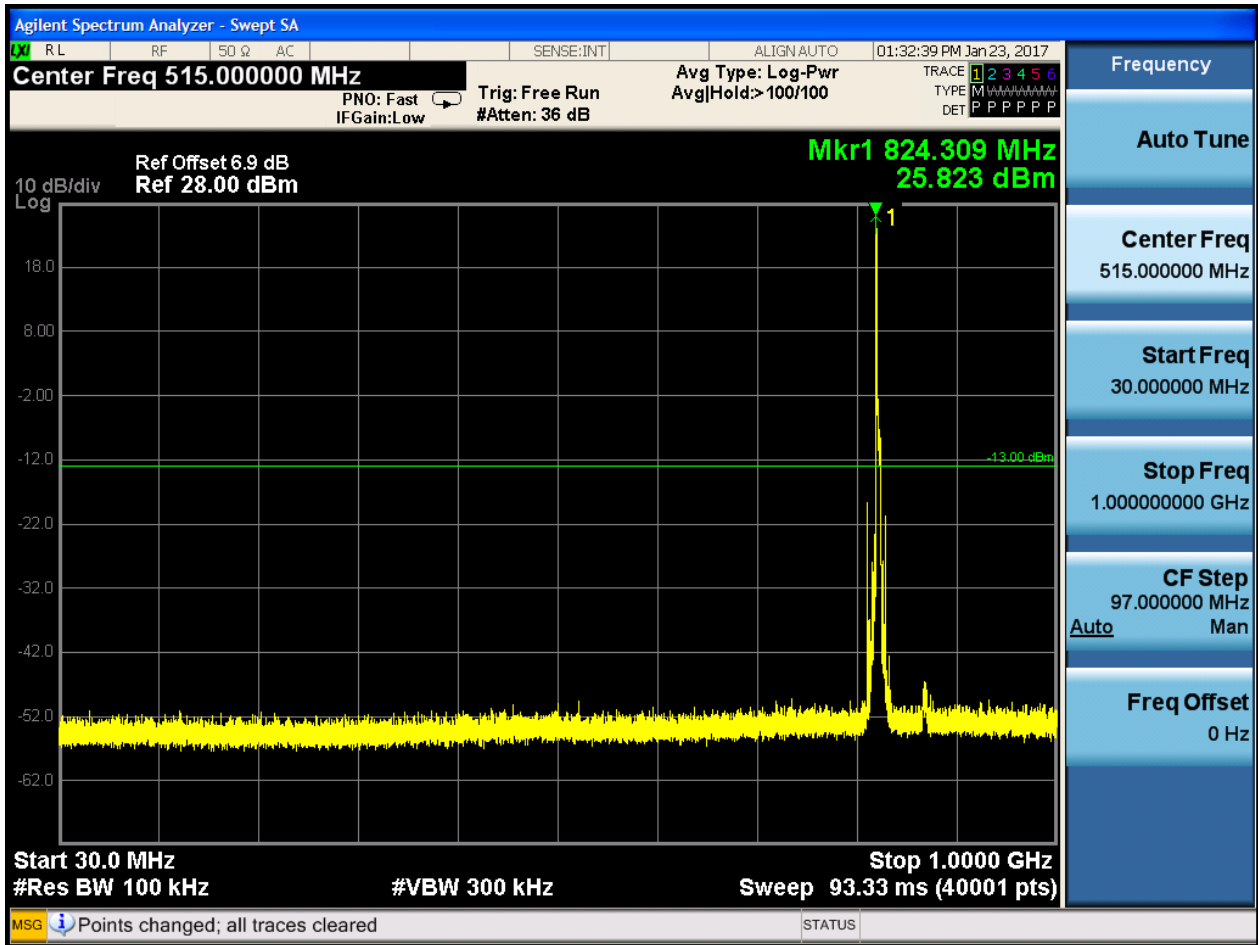
6.1.1.2.3 Test Bandwidth = 5

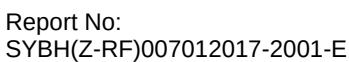
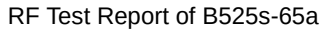
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





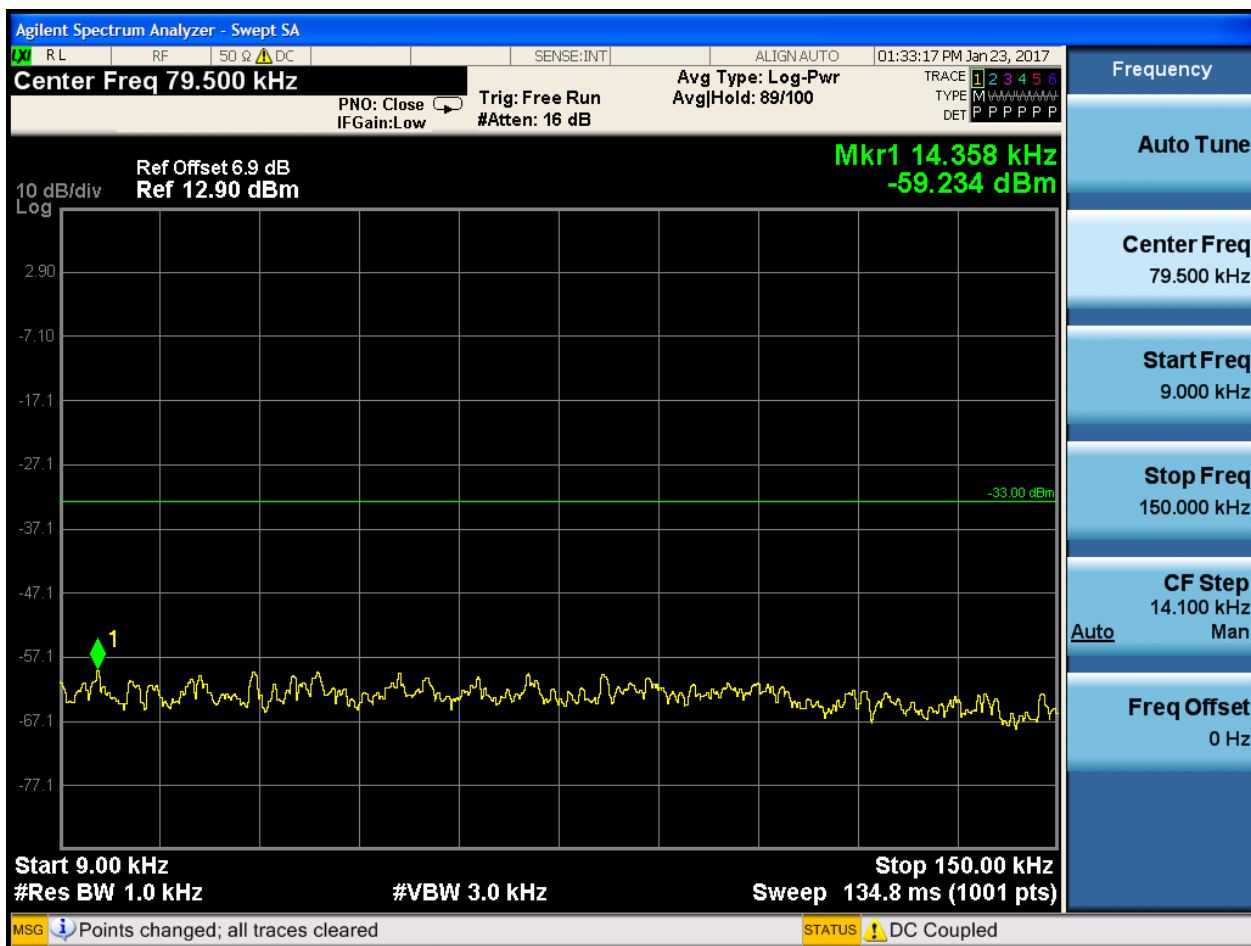


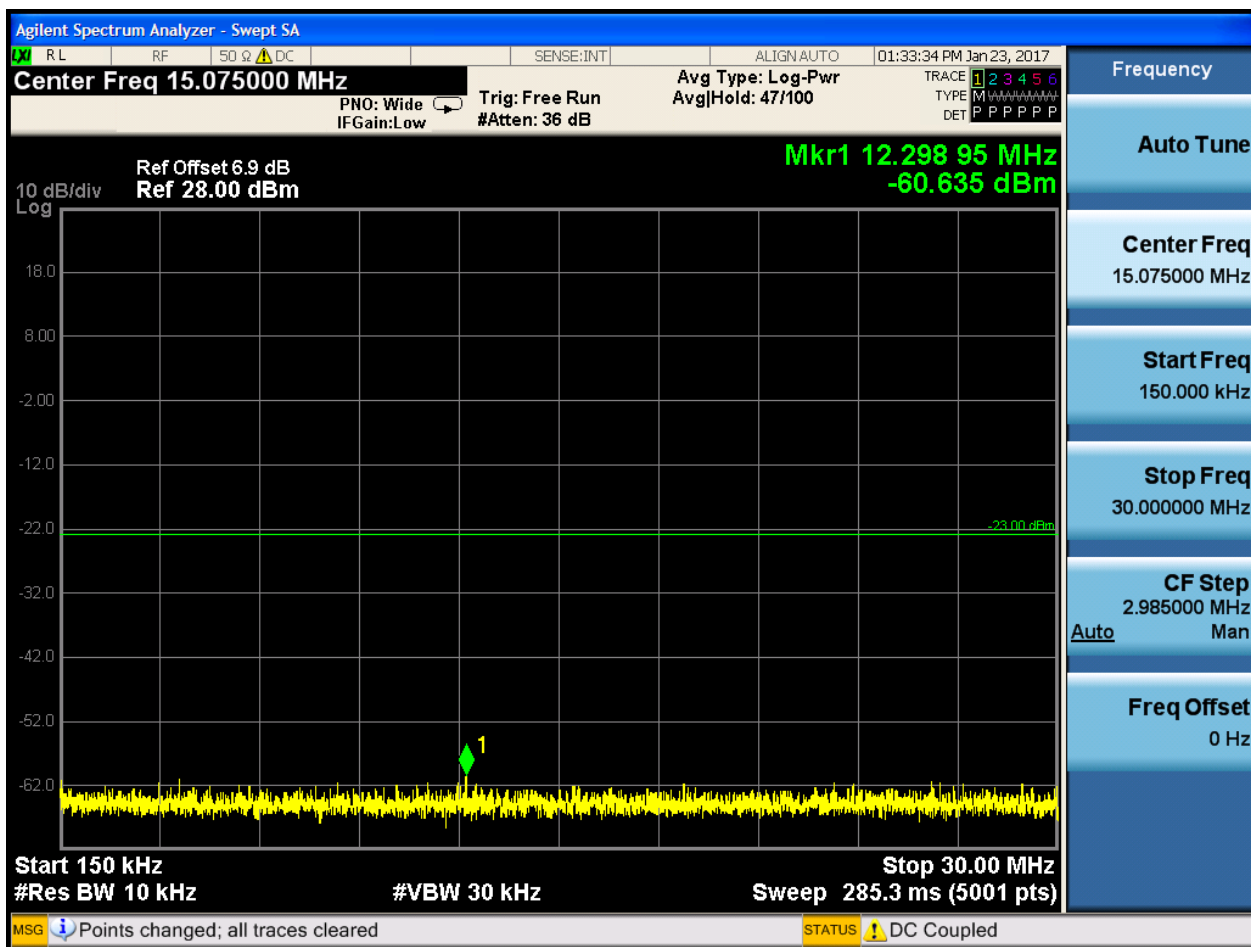


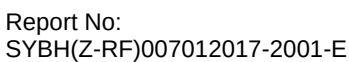
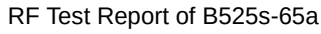


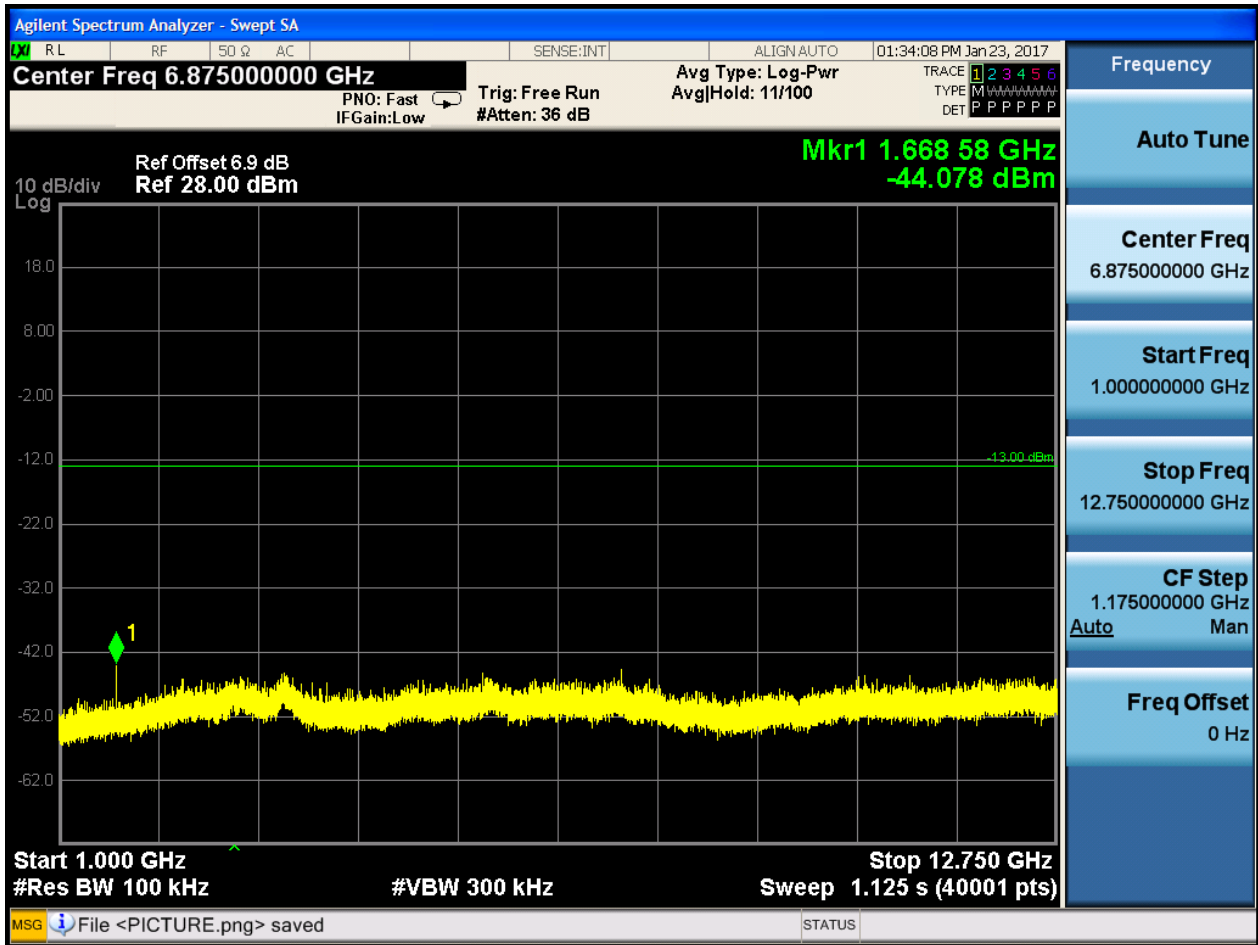
6.1.1.2.3.2 Test Channel = MCH

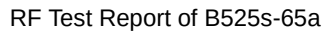
6.1.1.2.3.2.1 Test RB = RB1#0



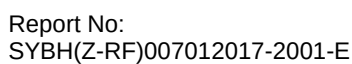


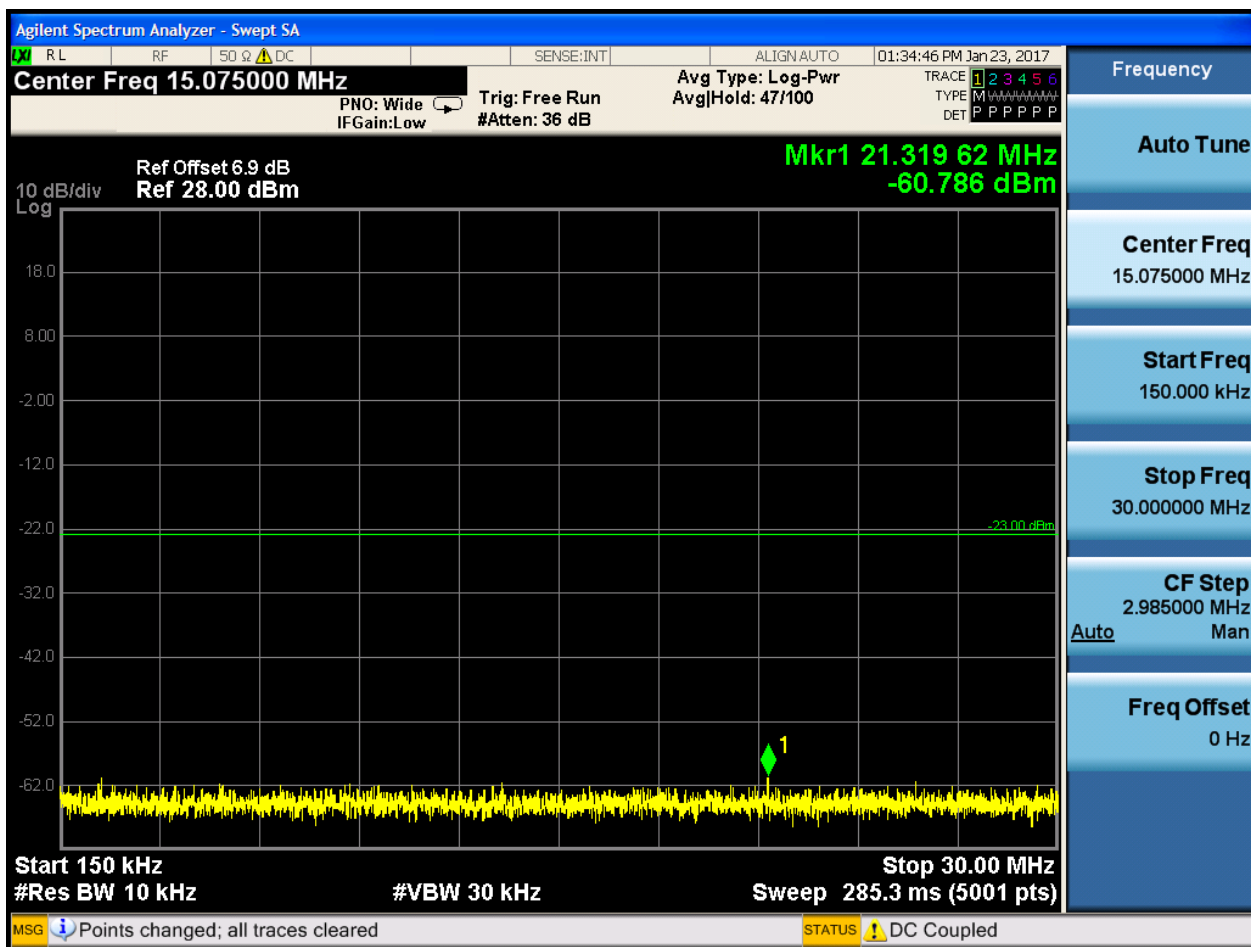


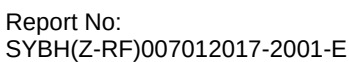
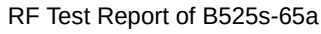


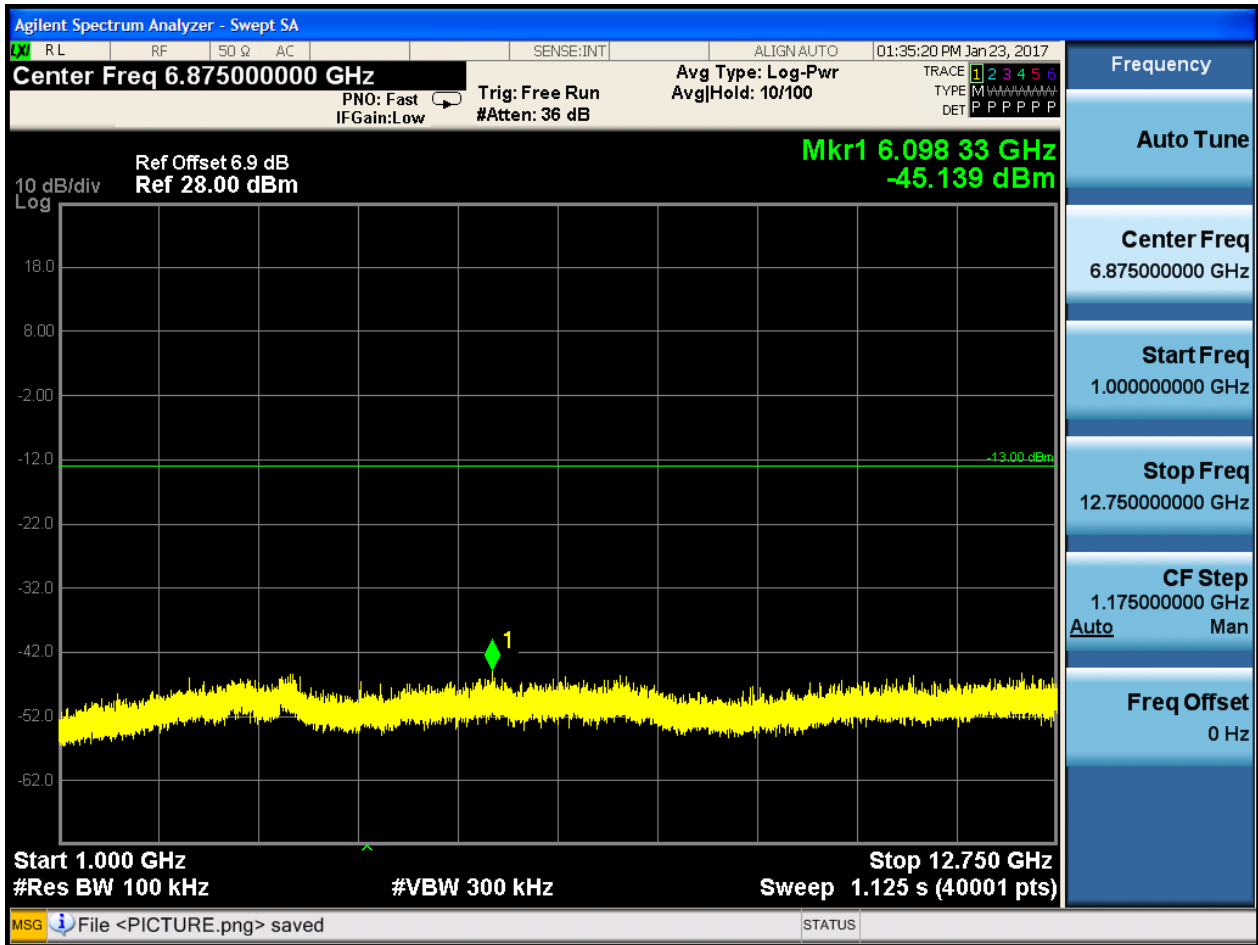


6.1.1.2.3.3.1 Test RB = RB1#0







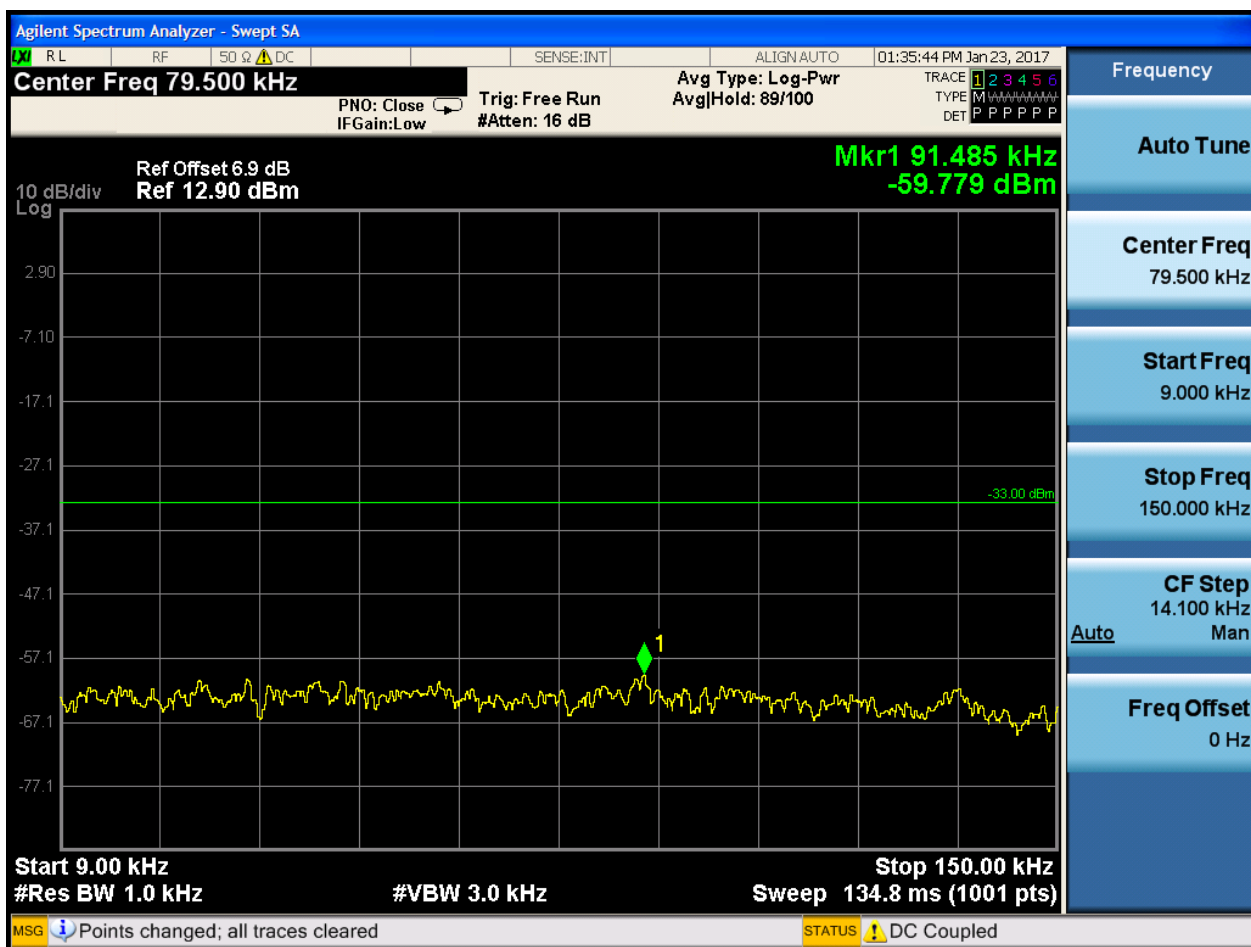


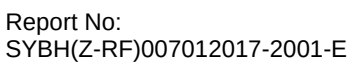
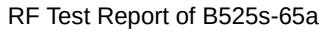


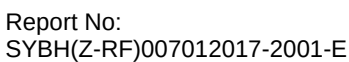
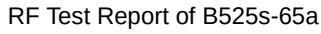
6.1.1.2.4 Test Bandwidth = 10

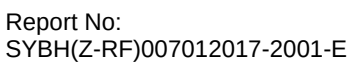
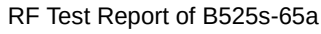
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





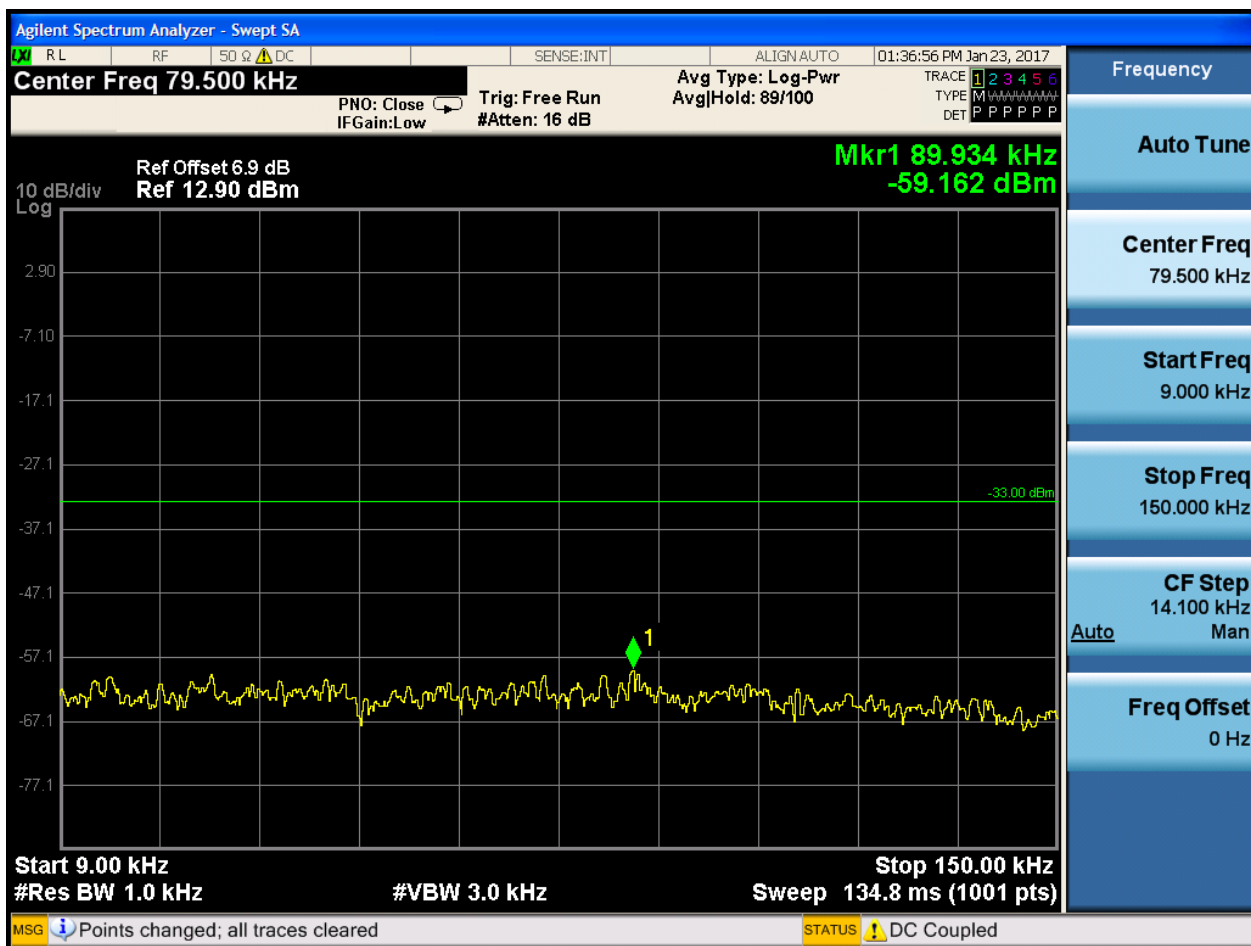


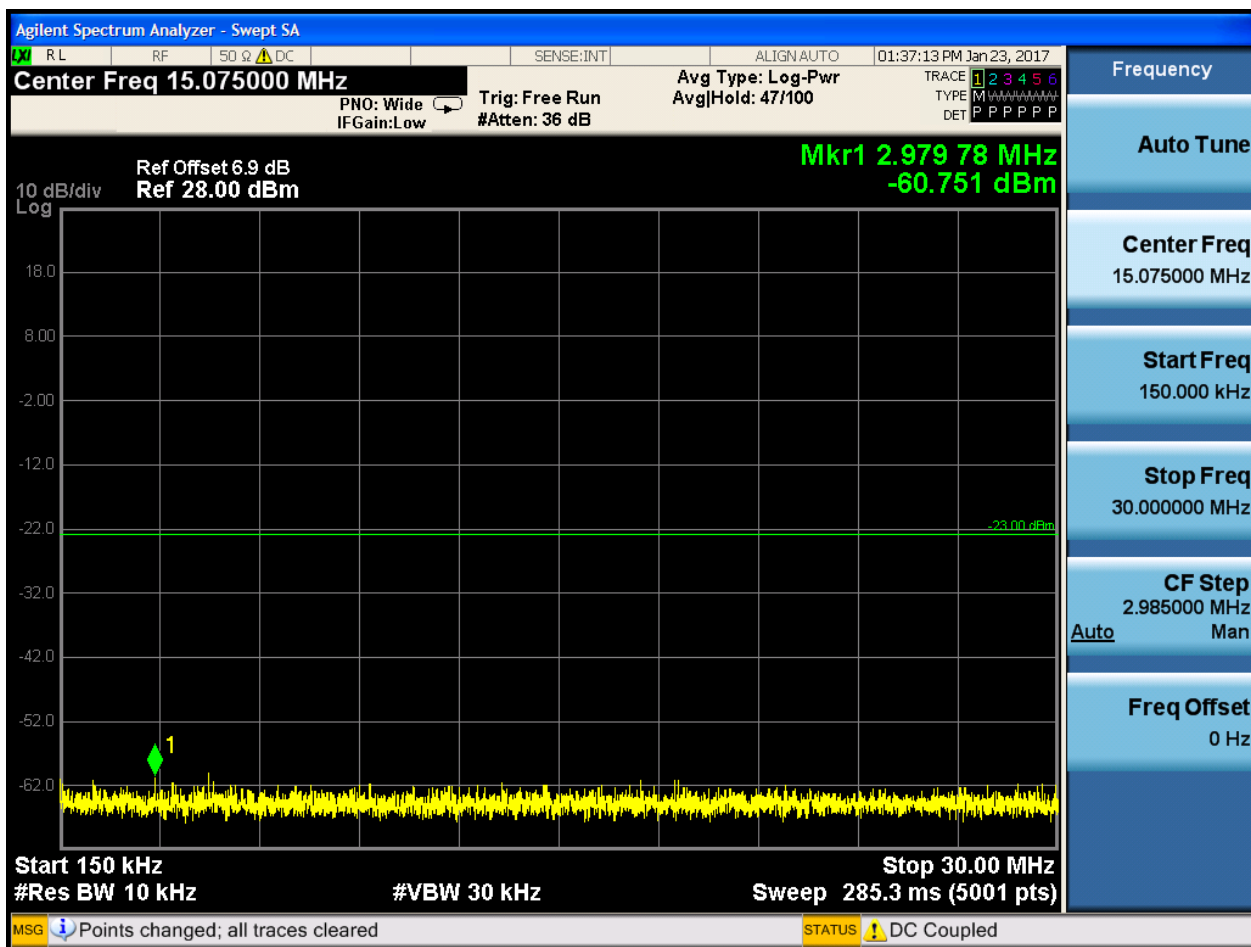


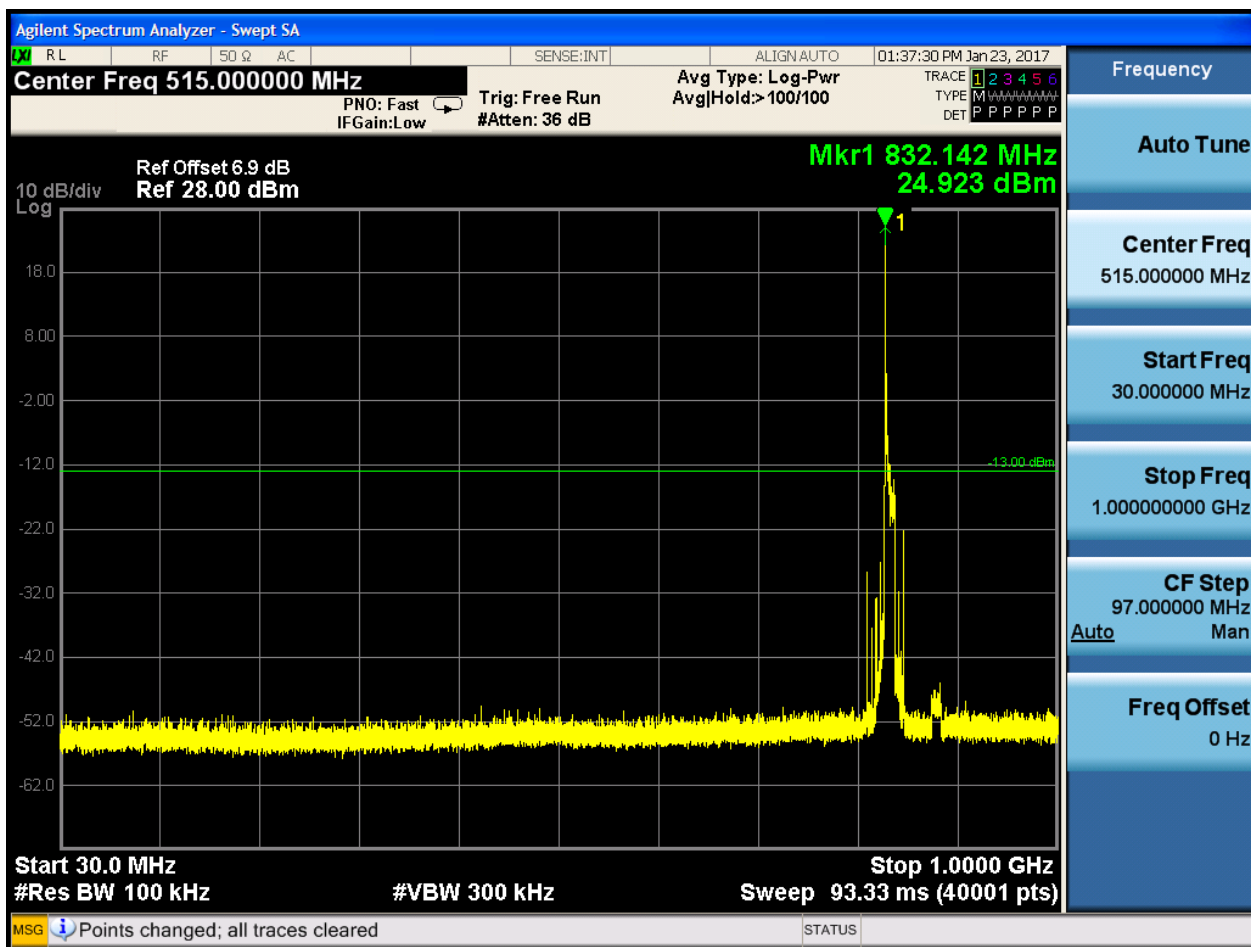


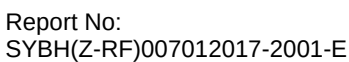
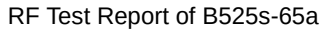
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





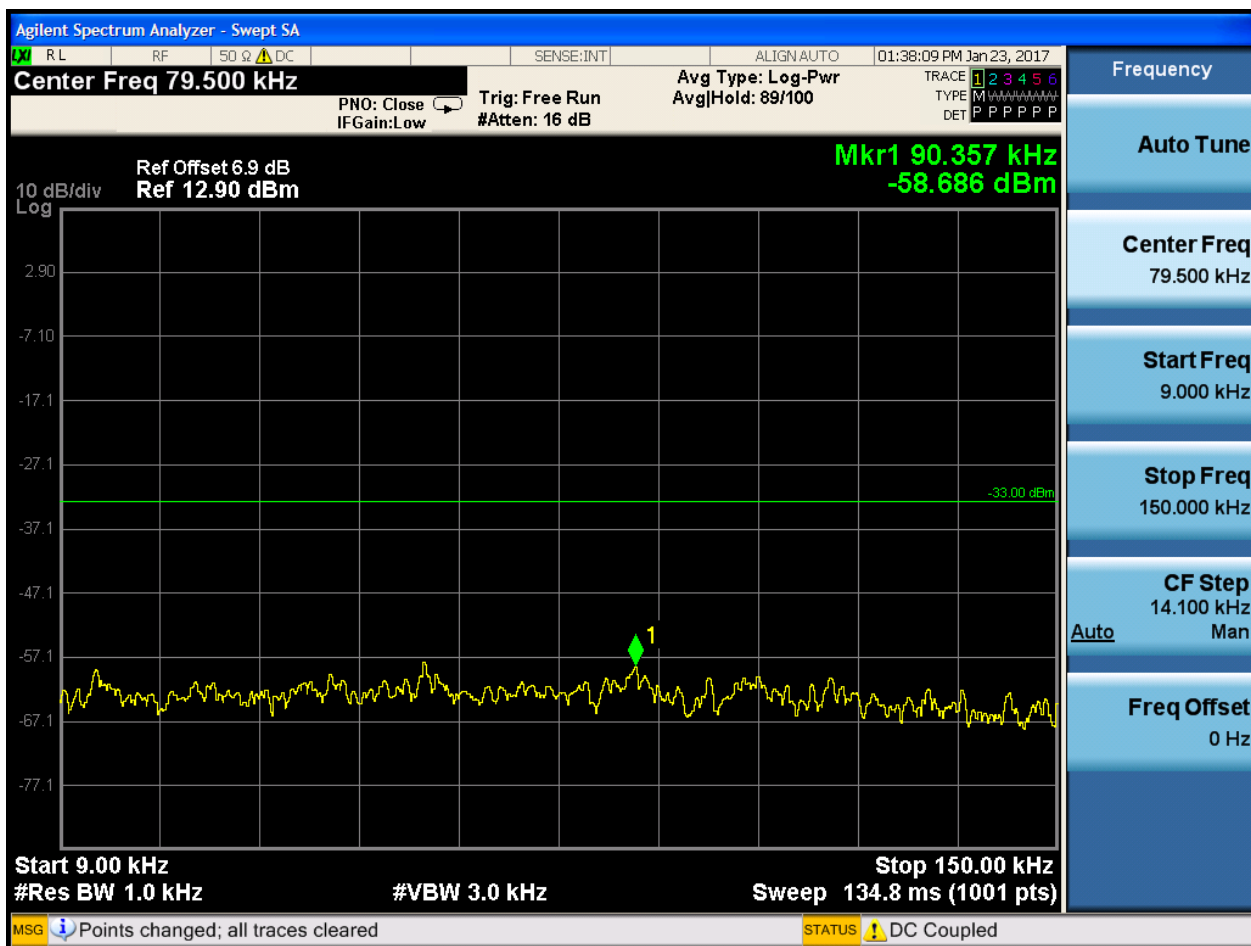


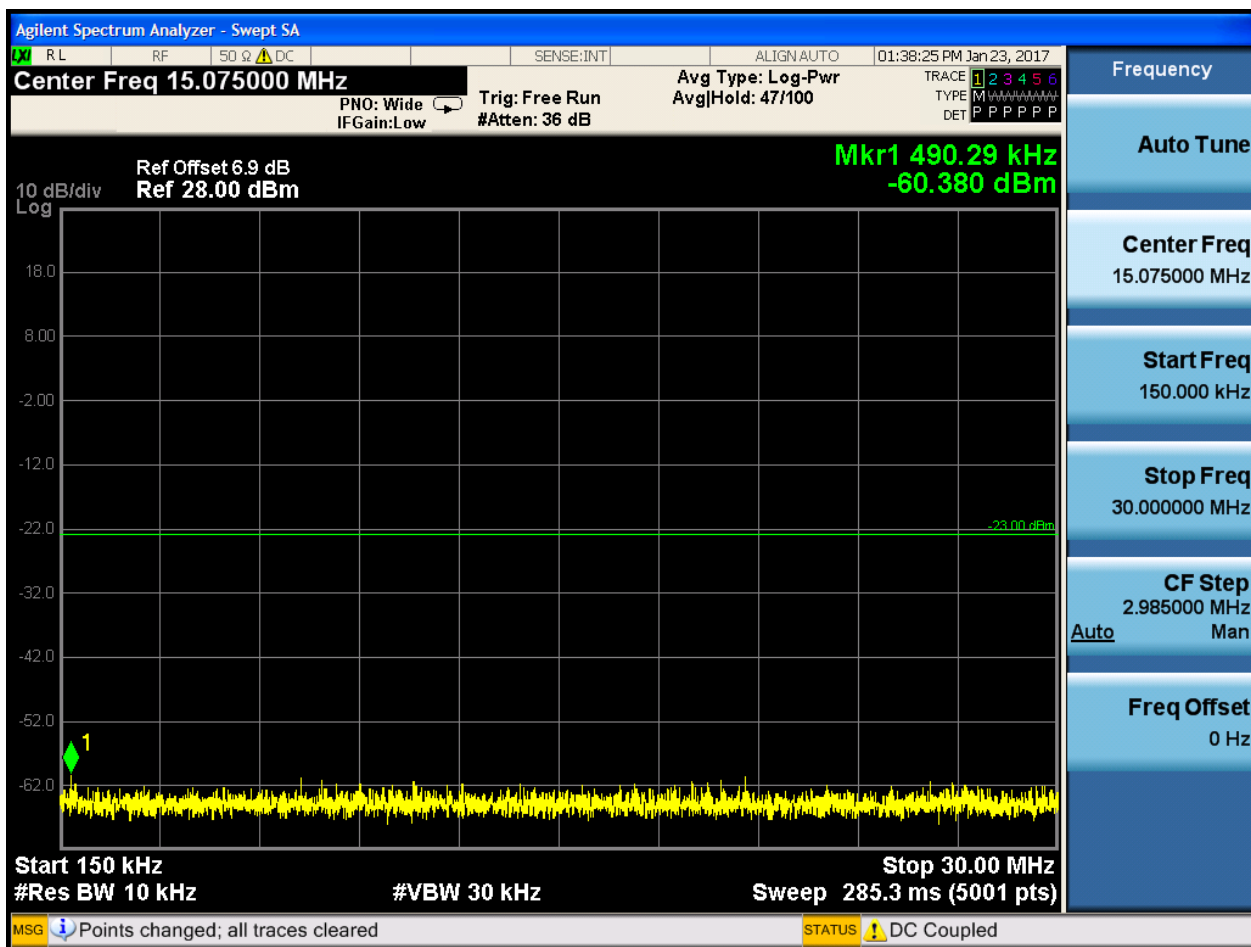


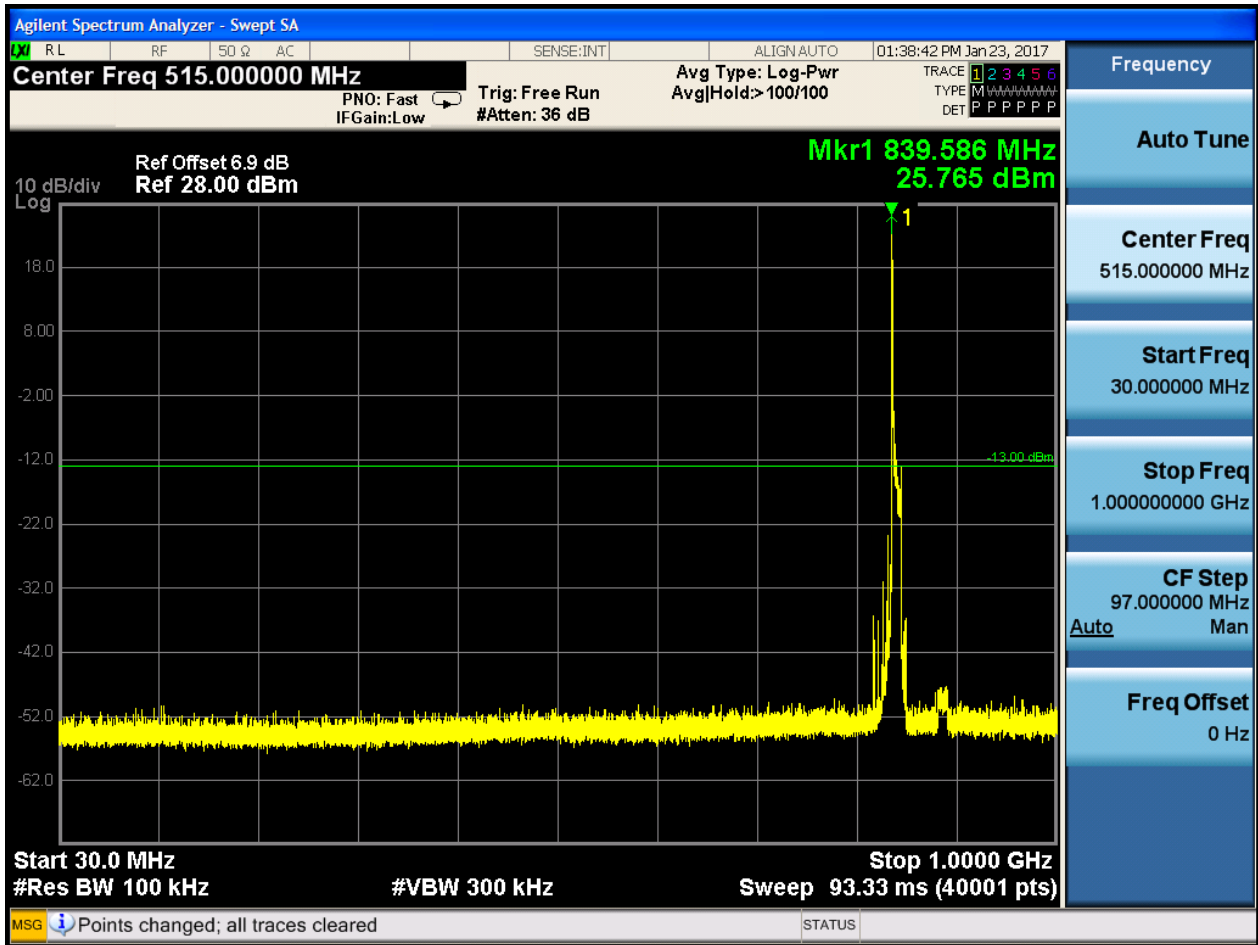


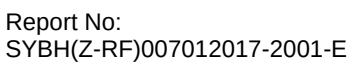
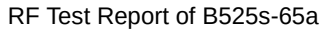
6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0









7Appendix_G: Frequency Stability

7.1 For LTE

7.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	1.4	LCH	TN	VL	-14.20	-0.01722	PASS
					VN	0.83	0.00101	PASS
					VH	-4.56	-0.00553	PASS
			MCH	TN	VL	-7.51	-0.00898	PASS
					VN	-3.93	-0.0047	PASS
					VH	-10.89	-0.01302	PASS
			HCH	TN	VL	-1.62	-0.00191	PASS
					VN	-1.83	-0.00216	PASS
					VH	-1.00	-0.00118	PASS
		3	LCH	TN	VL	0.16	0.00019	PASS
					VN	1.07	0.0013	PASS
					VH	5.51	0.00667	PASS
			MCH	TN	VL	0.09	0.00011	PASS
					VN	-1.44	-0.00172	PASS
					VH	3.71	0.00444	PASS
			HCH	TN	VL	2.06	0.00243	PASS
					VN	-1.13	-0.00133	PASS
					VH	-2.16	-0.00255	PASS
		5	LCH	TN	VL	2.53	0.00306	PASS
					VN	-1.92	-0.00232	PASS
					VH	-0.09	-0.00011	PASS
			MCH	TN	VL	-0.66	-0.00079	PASS
					VN	0.16	0.00019	PASS
					VH	-0.09	-0.00011	PASS
			HCH	TN	VL	0.53	0.00063	PASS
					VN	4.16	0.00491	PASS
					VH	1.04	0.00123	PASS
		10	LCH	TN	VL	-37.01	-0.04464	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					VN	-4.25	-0.00513	PASS	
					VH	4.32	0.00521	PASS	
					VL	42.61	0.05094	PASS	
			MCH	TN	VN	58.65	0.07011	PASS	
					VH	72.41	0.08656	PASS	
					VL	3.76	0.00445	PASS	
			HCH	TN	VN	-3.62	-0.00429	PASS	
					VH	5.79	0.00686	PASS	
			LTE/TM2	1.4	LCH	TN	VL	-6.58	-0.00798
	VN	-9.88					-0.01198	PASS	
	VH	11.86					0.01438	PASS	
	MCH	TN			VL	8.44	0.01009	PASS	
					VN	-2.09	-0.0025	PASS	
					VH	9.76	0.01167	PASS	
	HCH	TN			VL	-4.06	-0.00479	PASS	
					VN	-4.53	-0.00534	PASS	
					VH	-5.85	-0.0069	PASS	
	3	LCH			TN	VL	-0.33	-0.0004	PASS
						VN	0.27	0.00033	PASS
						VH	0.90	0.00109	PASS
		MCH			TN	VL	-0.99	-0.00118	PASS
						VN	-2.99	-0.00357	PASS
						VH	0.34	0.00041	PASS
		HCH			TN	VL	-1.37	-0.00162	PASS
						VN	-0.20	-0.00024	PASS
						VH	-0.89	-0.00105	PASS
	5	LCH		TN	VL	-3.12	-0.00377	PASS	
					VN	1.62	0.00196	PASS	
					VH	2.92	0.00353	PASS	
		MCH		TN	VL	-1.19	-0.00142	PASS	
					VN	0.34	0.00041	PASS	
					VH	1.30	0.00155	PASS	
		HCH		TN	VL	-0.11	-0.00013	PASS	
					VN	0.62	0.00073	PASS	
					VH	0.92	0.00109	PASS	
		10		LCH	TN	VL	0.10	0.00012	PASS
						VN	-3.55	-0.00428	PASS
						VH	-3.42	-0.00413	PASS
	MCH		TN	VL	9.04	0.01081	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	20.64	0.02467	PASS
					VH	26.25	0.03138	PASS
					VL	-4.69	-0.00556	PASS
					VN	-1.54	-0.00182	PASS
					VH	-5.97	-0.00707	PASS

7.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	LTE/TM1	1.4	LCH	VN	-30	2.90	0.00352	PASS
					-20	-3.10	-0.00376	PASS
					-10	-12.55	-0.01522	PASS
					0	-3.99	-0.00484	PASS
					10	-8.44	-0.01023	PASS
					20	3.20	0.00388	PASS
					30	-2.32	-0.00281	PASS
					40	-7.67	-0.0093	PASS
					50	-10.81	-0.01311	PASS
			MCH	VN	-30	-13.72	-0.0164	PASS
					-20	8.23	0.00984	PASS
					-10	14.33	0.01713	PASS
					0	26.74	0.03197	PASS
					10	0.83	0.00099	PASS
					20	-2.78	-0.00332	PASS
					30	-18.51	-0.02213	PASS
					40	-8.61	-0.01029	PASS
					50	-39.20	-0.04686	PASS
			HCH	VN	-30	-2.59	-0.00305	PASS
					-20	-2.83	-0.00334	PASS
					-10	-3.89	-0.00459	PASS
					0	-7.65	-0.00902	PASS
					10	-1.24	-0.00146	PASS
					20	1.67	0.00197	PASS
					30	-6.97	-0.00822	PASS
					40	-1.76	-0.00207	PASS
					50	1.39	0.00164	PASS
		3	LCH	VN	-30	1.24	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	-4.95	-0.006	PASS
					-10	0.29	0.00035	PASS
					0	-8.44	-0.01022	PASS
					10	0.29	0.00035	PASS
					20	-2.92	-0.00354	PASS
					30	-6.67	-0.00808	PASS
					40	-0.06	-0.00007	PASS
					50	-0.74	-0.0009	PASS
			MCH	VN	-30	3.59	0.00429	PASS
					-20	-1.40	-0.00167	PASS
					-10	0.31	0.00037	PASS
					0	-2.59	-0.0031	PASS
					10	1.63	0.00195	PASS
					20	-1.72	-0.00206	PASS
					30	-0.39	-0.00047	PASS
					40	0.94	0.00112	PASS
					50	1.34	0.0016	PASS
			HCH	VN	-30	0.37	0.00044	PASS
					-20	0.03	0.00004	PASS
					-10	2.79	0.00329	PASS
					0	0.03	0.00004	PASS
					10	-6.27	-0.0074	PASS
					20	-1.24	-0.00146	PASS
					30	0.07	0.00008	PASS
					40	-1.53	-0.00181	PASS
					50	3.00	0.00354	PASS
		5	LCH	VN	-30	0.72	0.00087	PASS
					-20	2.47	0.00299	PASS
					-10	-2.07	-0.0025	PASS
					0	-0.24	-0.00029	PASS
					10	0.03	0.00004	PASS
					20	2.36	0.00286	PASS
					30	-1.37	-0.00166	PASS
					40	2.19	0.00265	PASS
					50	0.87	0.00105	PASS
			MCH	VN	-30	1.16	0.00139	PASS
					-20	0.30	0.00036	PASS
					-10	0.51	0.00061	PASS
					0	1.69	0.00202	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.96	0.00115	PASS
					20	2.70	0.00323	PASS
					30	-0.30	-0.00036	PASS
					40	-0.84	-0.001	PASS
					50	-0.30	-0.00036	PASS
			HCH	VN	-30	-1.96	-0.00232	PASS
					-20	-0.47	-0.00056	PASS
					-10	-6.97	-0.00823	PASS
					0	-1.56	-0.00184	PASS
					10	-0.30	-0.00035	PASS
					20	2.40	0.00284	PASS
					30	-4.06	-0.0048	PASS
					40	-1.60	-0.00189	PASS
					50	-2.35	-0.00278	PASS
		10	LCH	VN	-30	5.19	0.00626	PASS
					-20	-2.89	-0.00349	PASS
					-10	5.51	0.00665	PASS
					0	7.10	0.00856	PASS
					10	11.50	0.01387	PASS
					20	5.29	0.00638	PASS
					30	3.16	0.00381	PASS
					40	5.32	0.00642	PASS
					50	5.84	0.00704	PASS
			MCH	VN	-30	17.18	0.02054	PASS
					-20	-22.42	-0.0268	PASS
					-10	-6.67	-0.00797	PASS
					0	56.92	0.06805	PASS
					10	8.27	0.00989	PASS
					20	16.61	0.01986	PASS
					30	-15.66	-0.01872	PASS
					40	-45.03	-0.05383	PASS
					50	-10.47	-0.01252	PASS
			HCH	VN	-30	4.36	0.00517	PASS
					-20	9.07	0.01075	PASS
					-10	21.90	0.02595	PASS
					0	14.95	0.01771	PASS
					10	-2.40	-0.00284	PASS
					20	0.54	0.00064	PASS
					30	3.82	0.00453	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4			40	2.53	0.003	PASS
					50	20.51	0.0243	PASS
			LCH	VN	-30	-3.48	-0.00422	PASS
					-20	-4.48	-0.00543	PASS
					-10	3.45	0.00418	PASS
					0	4.94	0.00599	PASS
					10	-13.70	-0.01661	PASS
					20	-3.23	-0.00392	PASS
					30	9.06	0.01099	PASS
					40	0.26	0.00032	PASS
					50	1.37	0.00166	PASS
			MCH	VN	-30	-3.73	-0.00446	PASS
					-20	-3.85	-0.0046	PASS
					-10	7.94	0.00949	PASS
					0	-1.19	-0.00142	PASS
					10	-1.72	-0.00206	PASS
					20	-20.79	-0.02485	PASS
					30	3.99	0.00477	PASS
					40	-23.09	-0.0276	PASS
					50	1.87	0.00224	PASS
			HCH	VN	-30	-3.96	-0.00467	PASS
					-20	-4.71	-0.00555	PASS
					-10	-4.32	-0.00509	PASS
					0	4.49	0.00529	PASS
					10	-1.14	-0.00134	PASS
					20	-9.30	-0.01096	PASS
					30	-4.51	-0.00532	PASS
					40	-0.53	-0.00062	PASS
					50	2.25	0.00265	PASS
		3	LCH	VN	-30	6.15	0.00745	PASS
					-20	0.06	0.00007	PASS
					-10	-1.62	-0.00196	PASS
					0	0.80	0.00097	PASS
					10	0.41	0.0005	PASS
					20	0.94	0.00114	PASS
					30	-2.52	-0.00305	PASS
					40	-0.93	-0.00113	PASS
					50	-1.87	-0.00227	PASS
			MCH	VN	-30	-2.37	-0.00283	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	0.36	0.00043	PASS
					-10	-5.28	-0.00631	PASS
					0	-0.62	-0.00074	PASS
					10	-10.27	-0.01228	PASS
					20	-0.33	-0.00039	PASS
					30	-0.27	-0.00032	PASS
					40	-1.52	-0.00182	PASS
					50	0.67	0.0008	PASS
			HCH	VN	-30	-0.16	-0.00019	PASS
					-20	-3.89	-0.00459	PASS
					-10	-0.20	-0.00024	PASS
					0	-3.72	-0.00439	PASS
					10	-1.66	-0.00196	PASS
					20	-3.48	-0.00411	PASS
					30	-3.20	-0.00378	PASS
					40	-1.87	-0.00221	PASS
					50	-0.93	-0.0011	PASS
		5	LCH	VN	-30	0.67	0.00081	PASS
					-20	-0.39	-0.00047	PASS
					-10	0.56	0.00068	PASS
					0	0.60	0.00073	PASS
					10	1.50	0.00181	PASS
					20	-3.02	-0.00365	PASS
					30	2.36	0.00286	PASS
					40	-3.52	-0.00426	PASS
					50	-1.72	-0.00208	PASS
			MCH	VN	-30	-0.51	-0.00061	PASS
					-20	-1.39	-0.00166	PASS
					-10	0.56	0.00067	PASS
					0	1.42	0.0017	PASS
					10	-3.30	-0.00395	PASS
					20	0.44	0.00053	PASS
					30	-2.47	-0.00295	PASS
					40	2.49	0.00298	PASS
					50	-1.44	-0.00172	PASS
			HCH	VN	-30	-5.12	-0.00605	PASS
					-20	-1.87	-0.00221	PASS
					-10	1.56	0.00184	PASS
					0	2.65	0.00313	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	3.06	0.00361	PASS
					20	2.69	0.00318	PASS
					30	-1.97	-0.00233	PASS
					40	0.26	0.00031	PASS
					50	0.70	0.00083	PASS
		10	LCH	VN	-30	4.03	0.00486	PASS
					-20	-1.83	-0.00221	PASS
					-10	7.67	0.00925	PASS
					0	6.72	0.00811	PASS
					10	-5.48	-0.00661	PASS
					20	-5.68	-0.00685	PASS
					30	4.75	0.00573	PASS
					40	-4.96	-0.00598	PASS
					50	-0.37	-0.00045	PASS
			MCH	VN	-30	40.68	0.04863	PASS
					-20	15.49	0.01852	PASS
					-10	-20.51	-0.02452	PASS
					0	-90.21	-0.10784	PASS
					10	10.43	0.01247	PASS
					20	6.15	0.00735	PASS
					30	-46.65	-0.05577	PASS
					40	65.82	0.07868	PASS
					50	25.22	0.03015	PASS
			HCH	VN	-30	-0.97	-0.00115	PASS
					-20	-0.76	-0.0009	PASS
					-10	-4.03	-0.00477	PASS
					0	4.99	0.00591	PASS
					10	-3.75	-0.00444	PASS
					20	-2.05	-0.00243	PASS
					30	1.46	0.00173	PASS
					40	-1.47	-0.00174	PASS
					50	-1.47	-0.00174	PASS

END