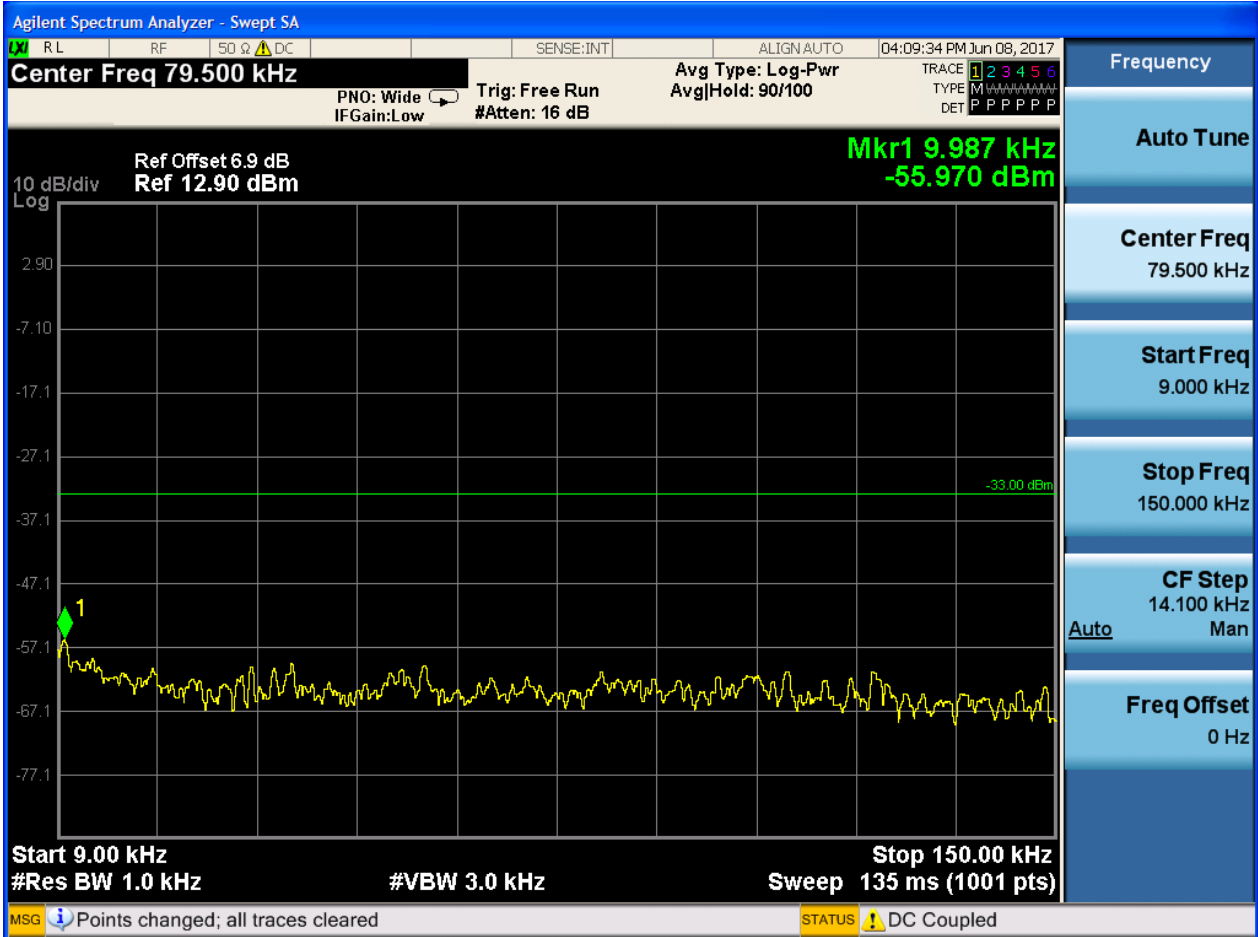
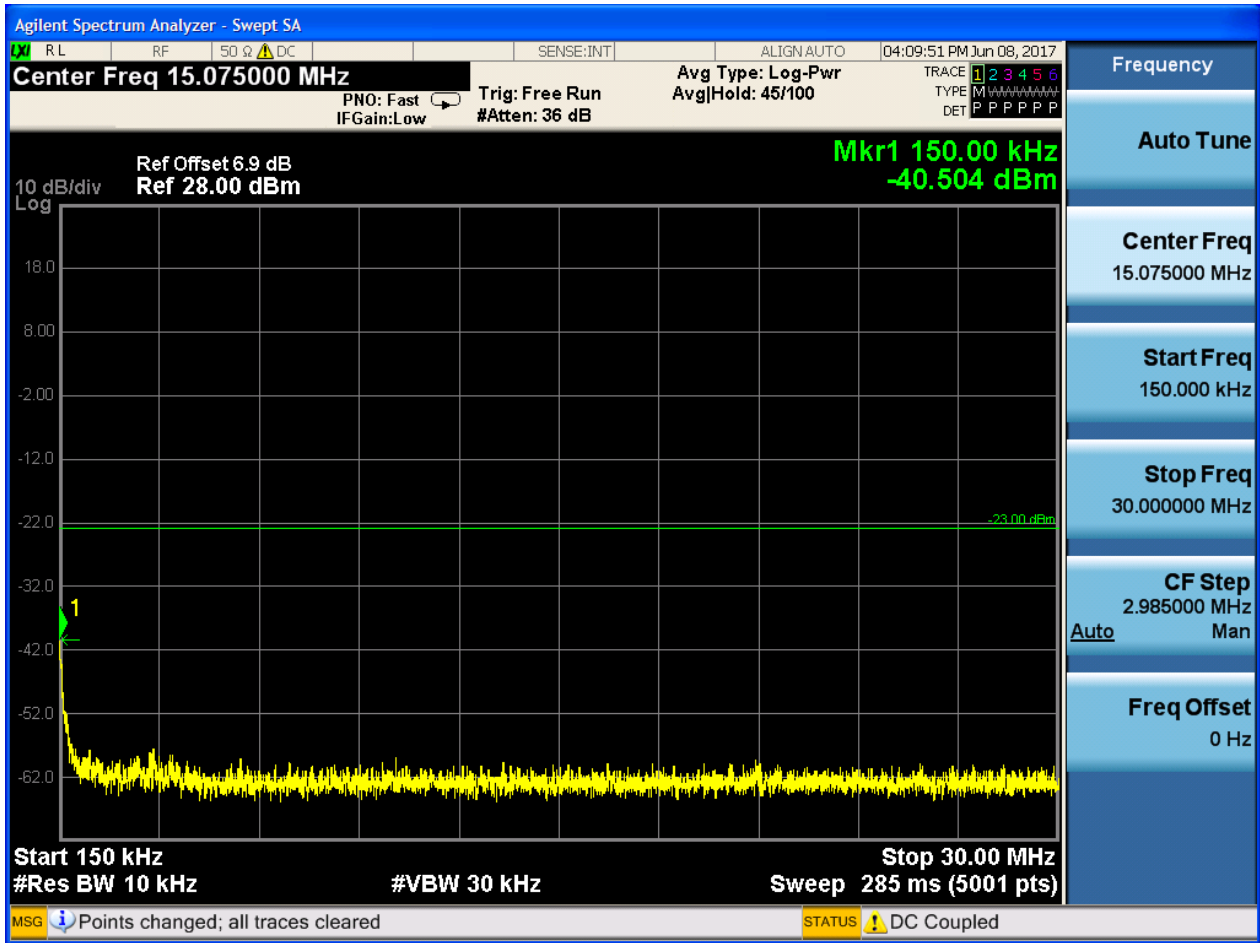


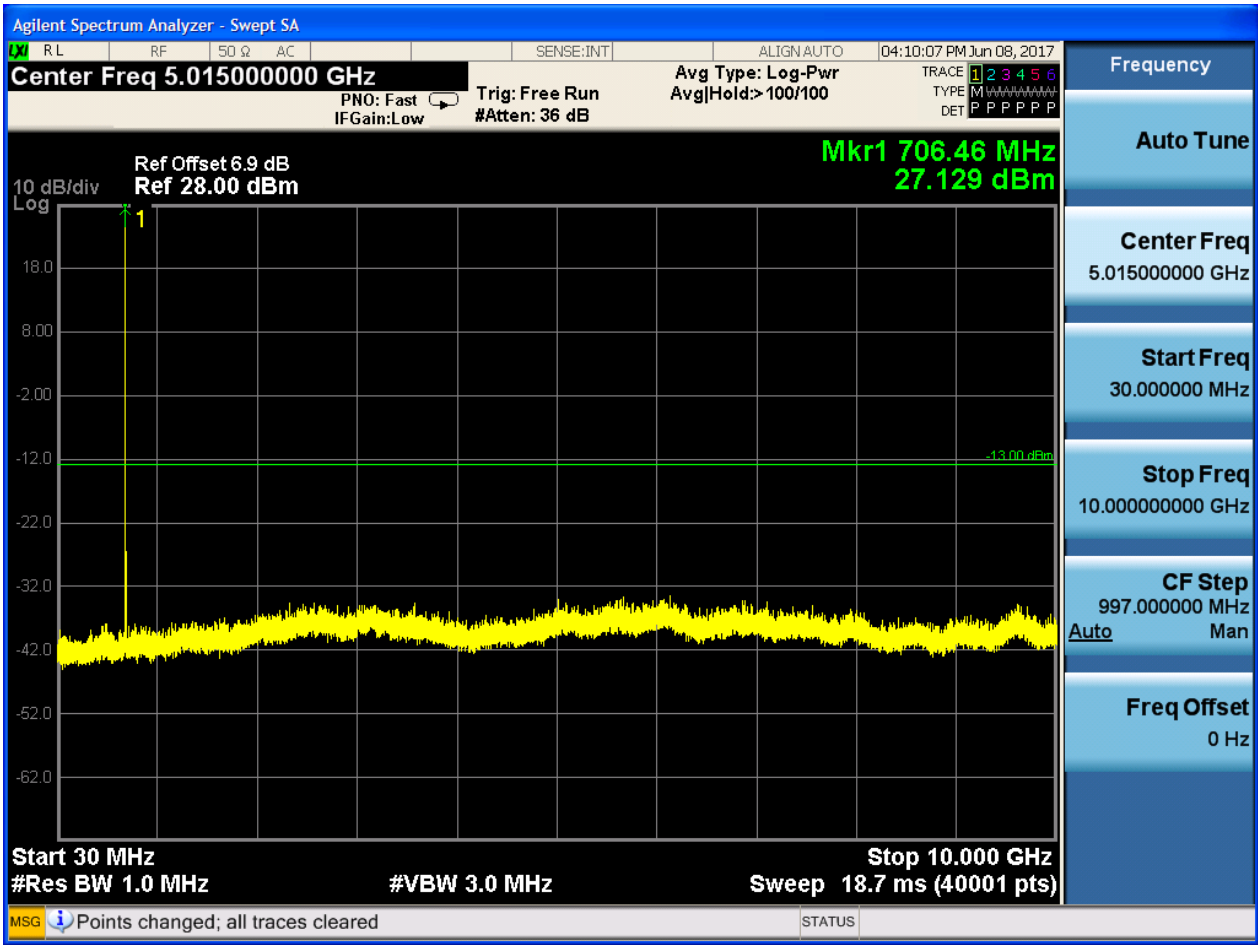


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



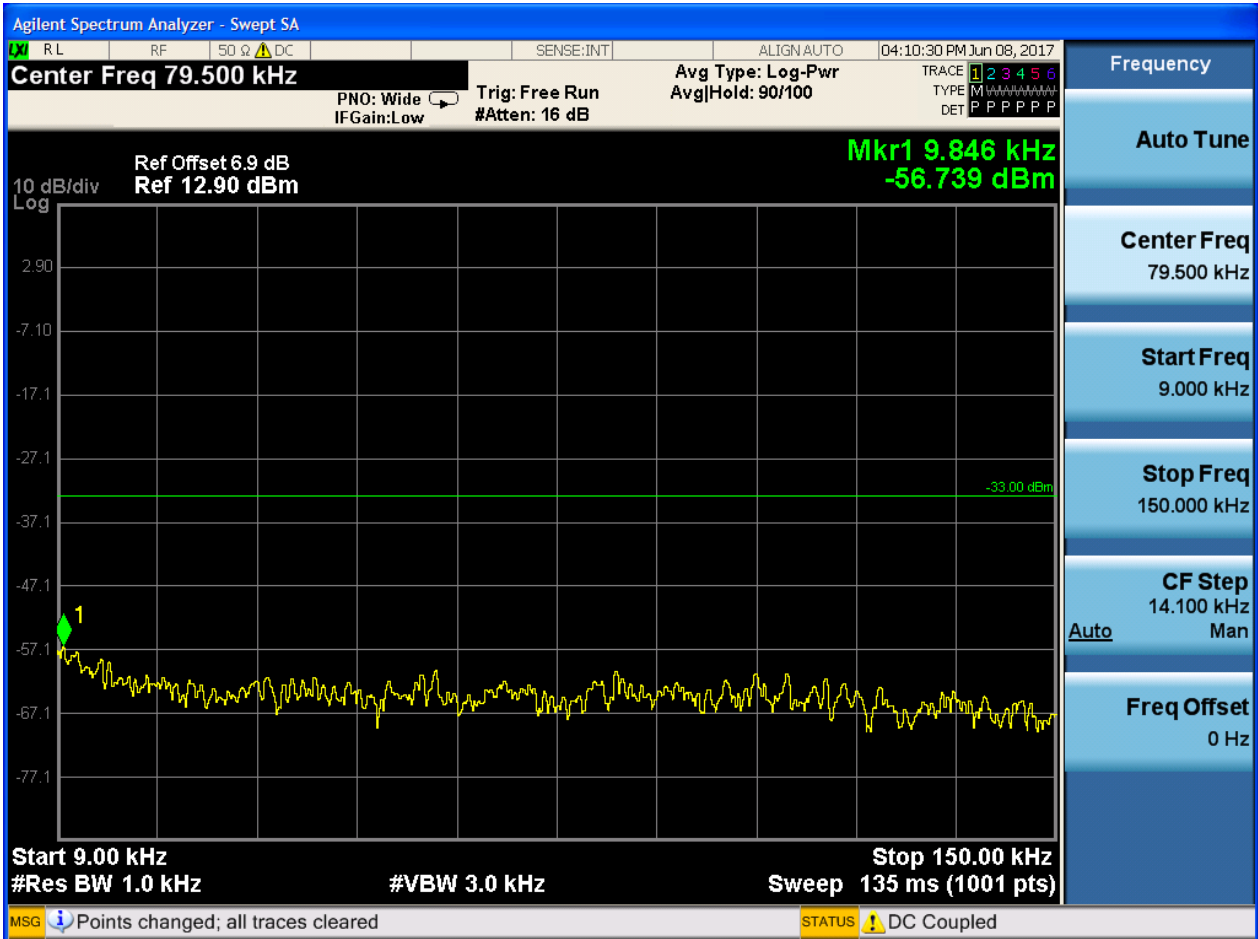


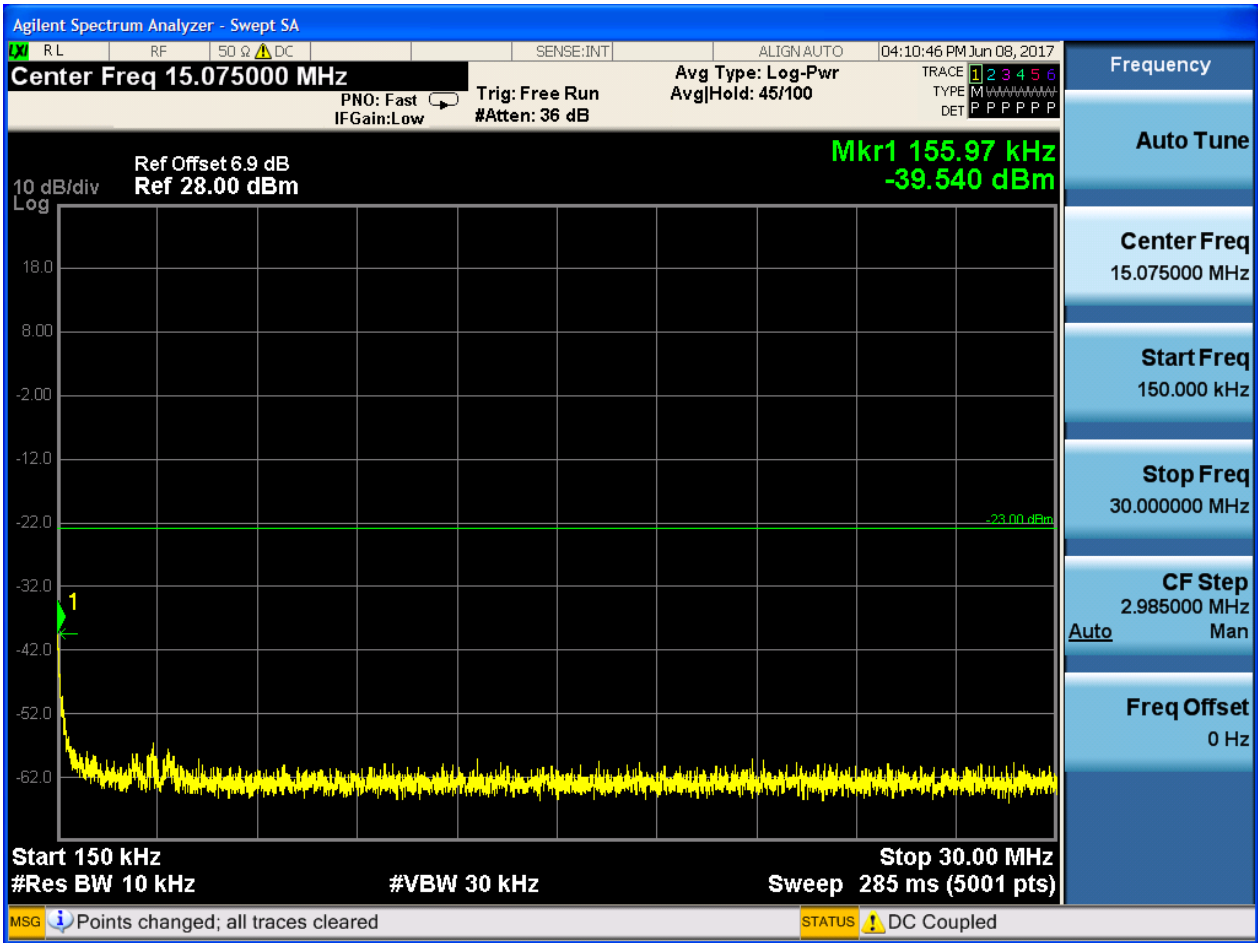


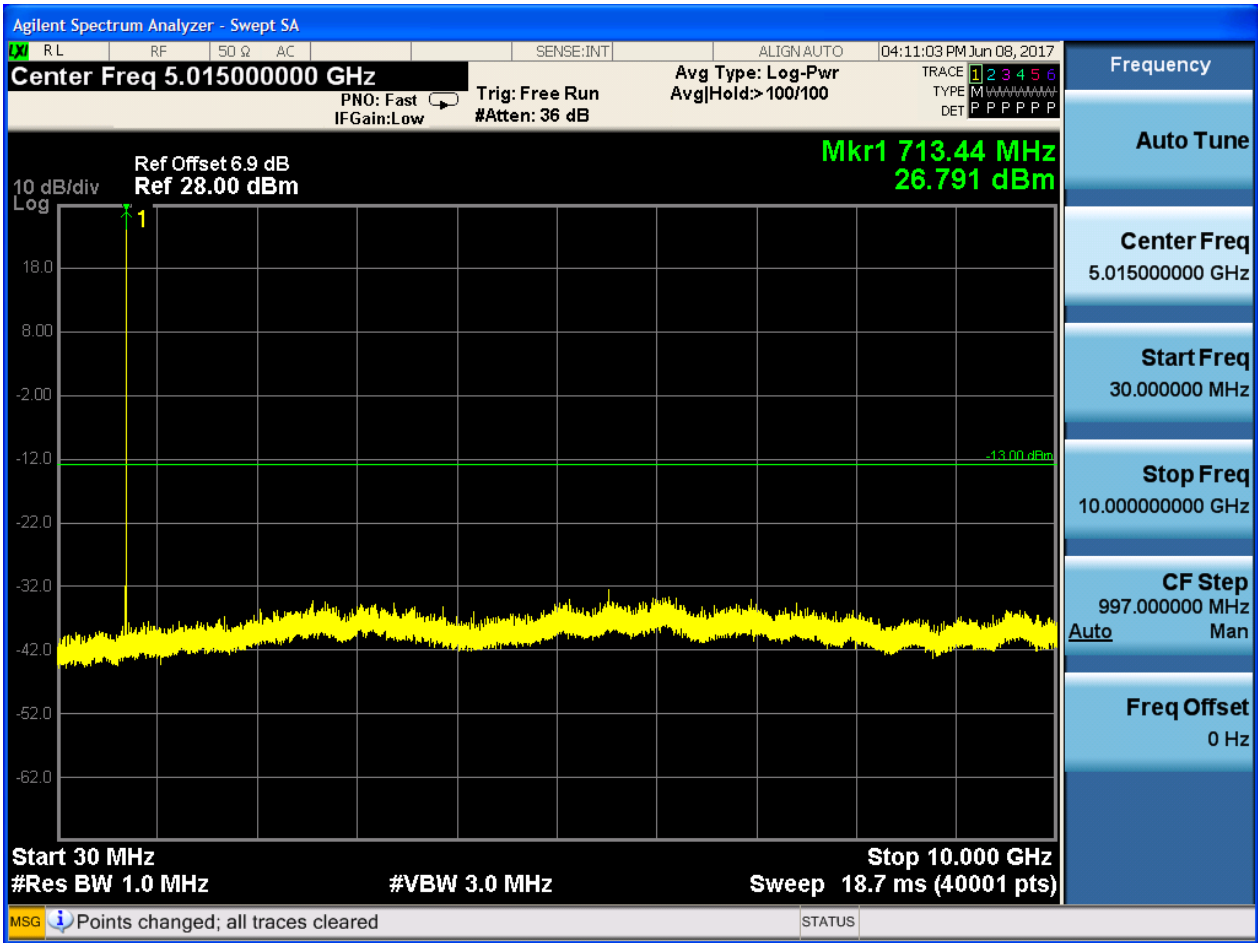


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





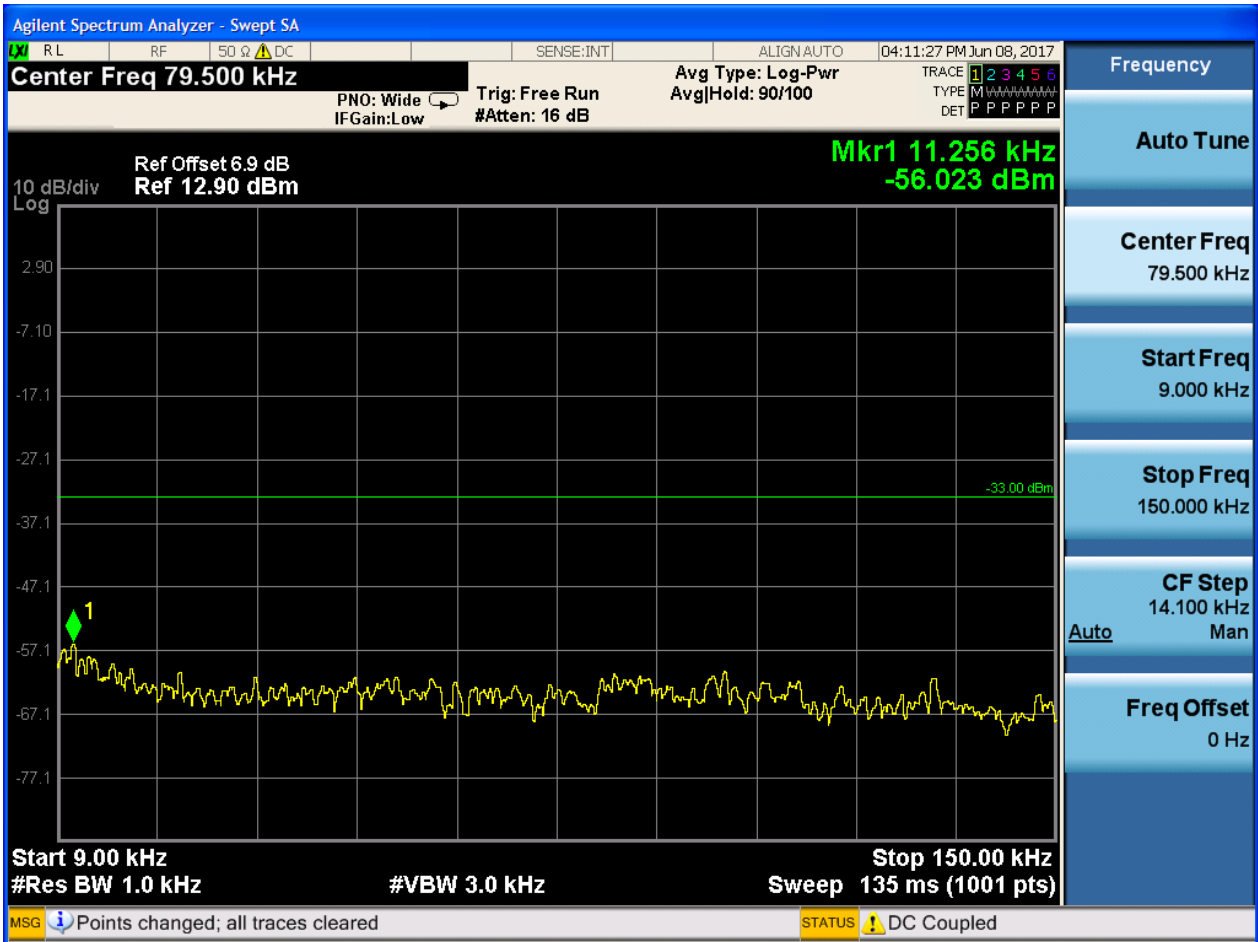


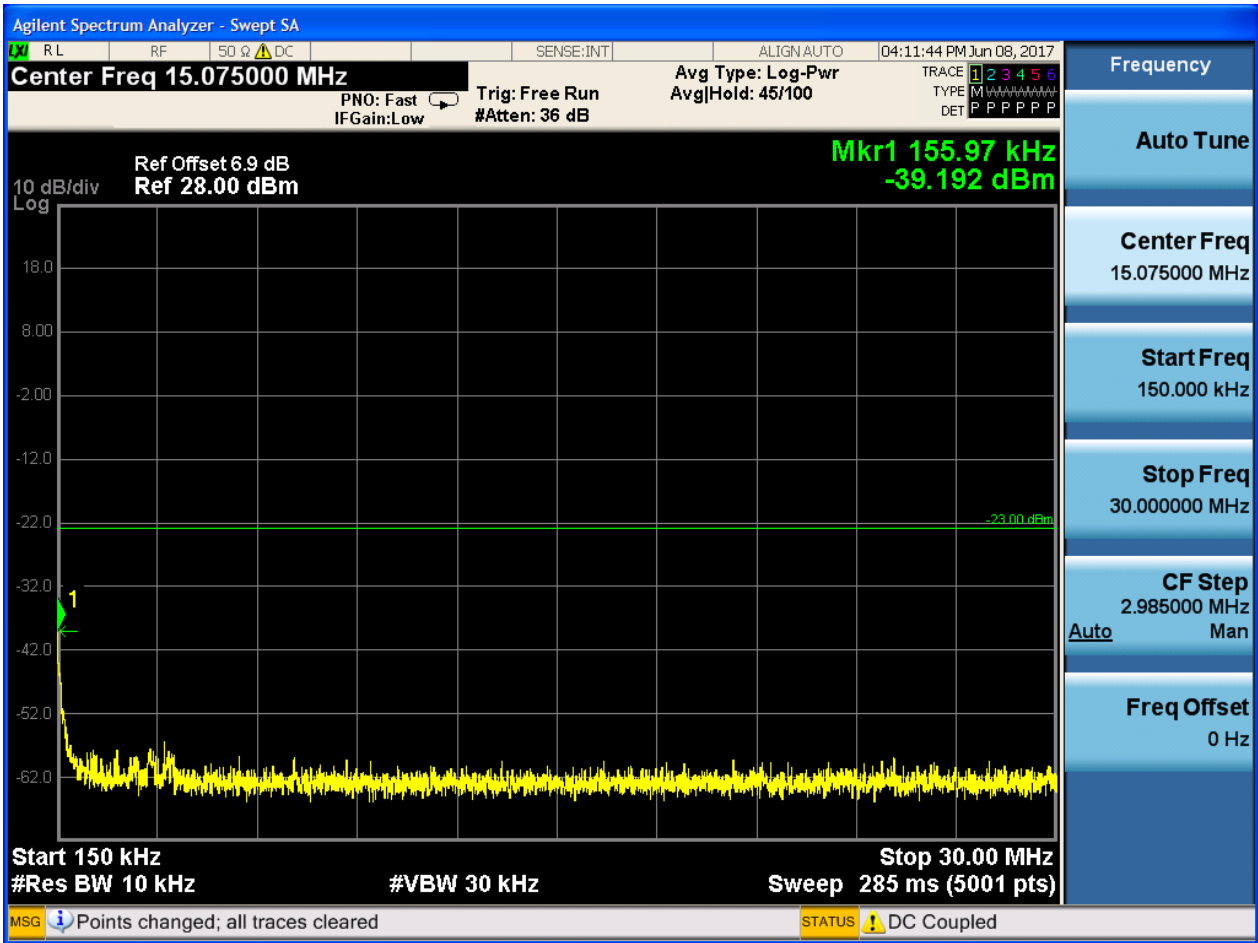


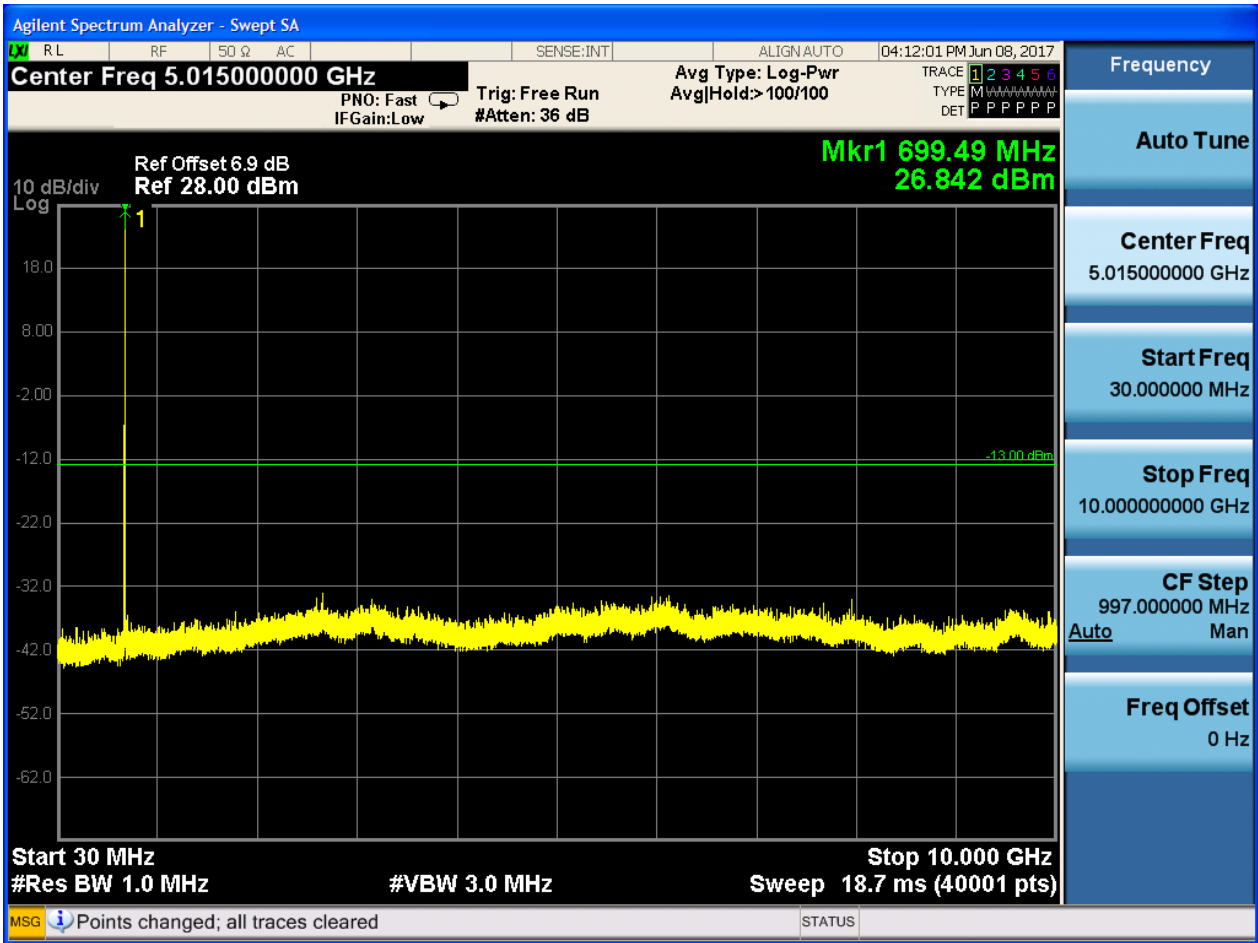
6.1.1.1.3 Test Bandwidth = 5

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



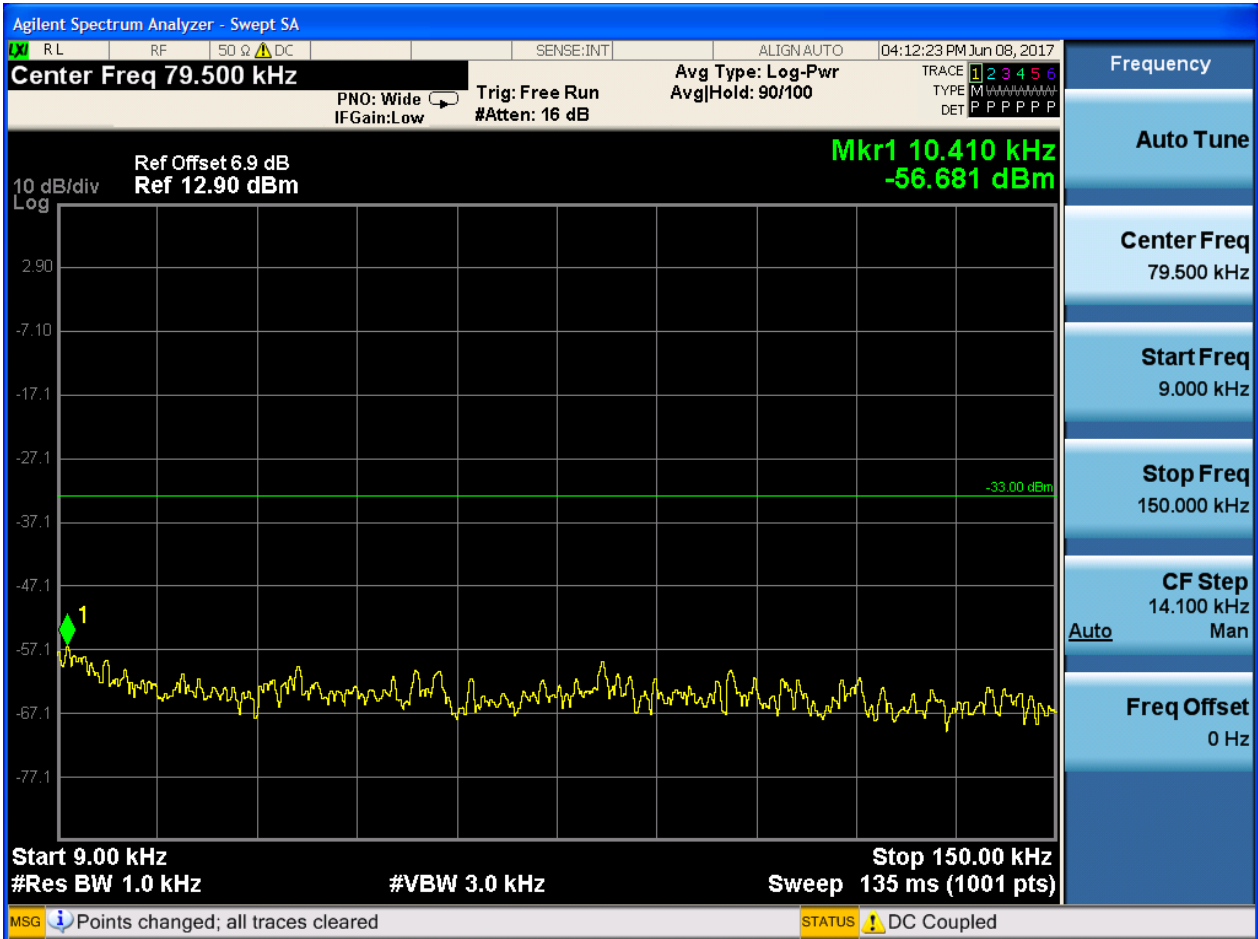


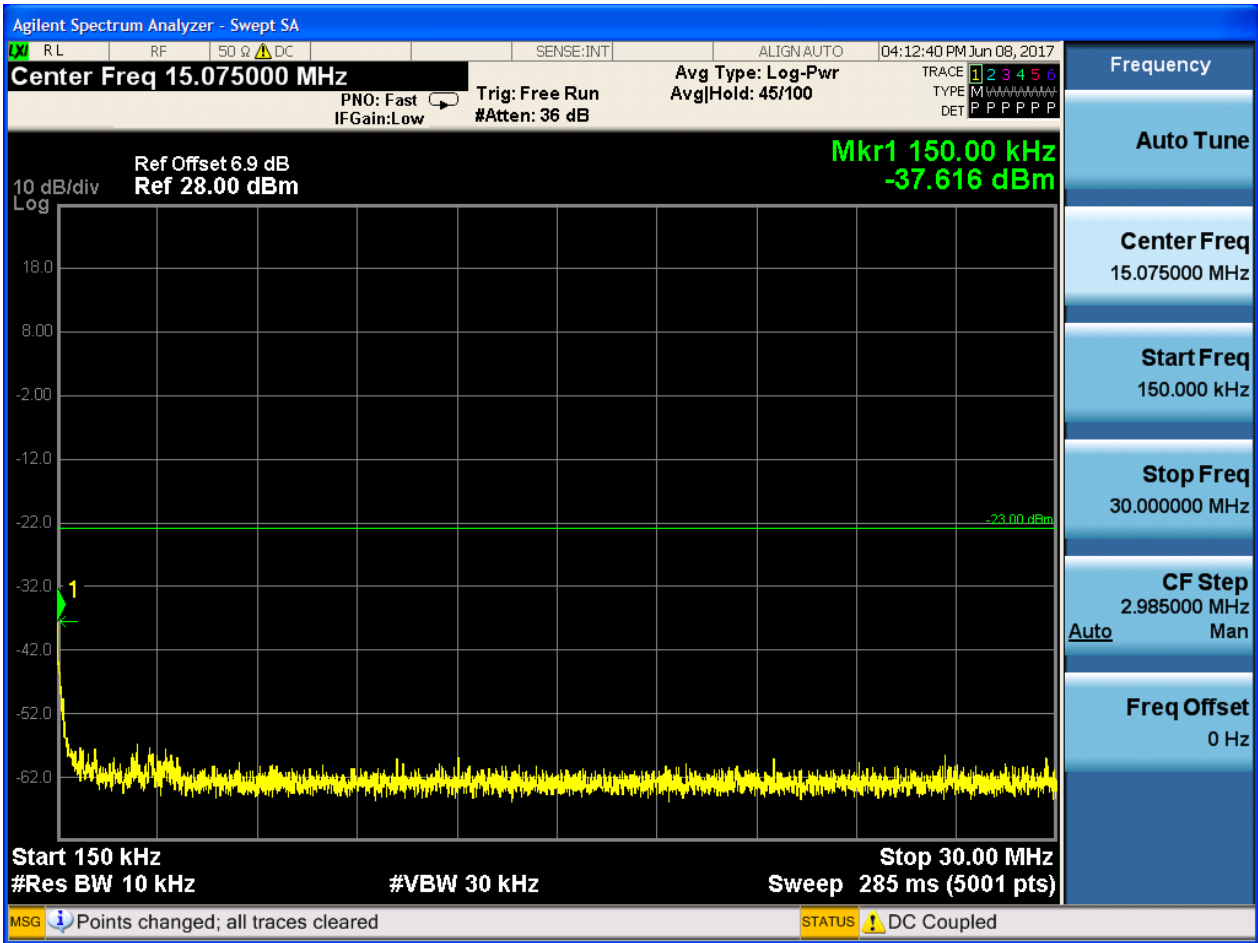


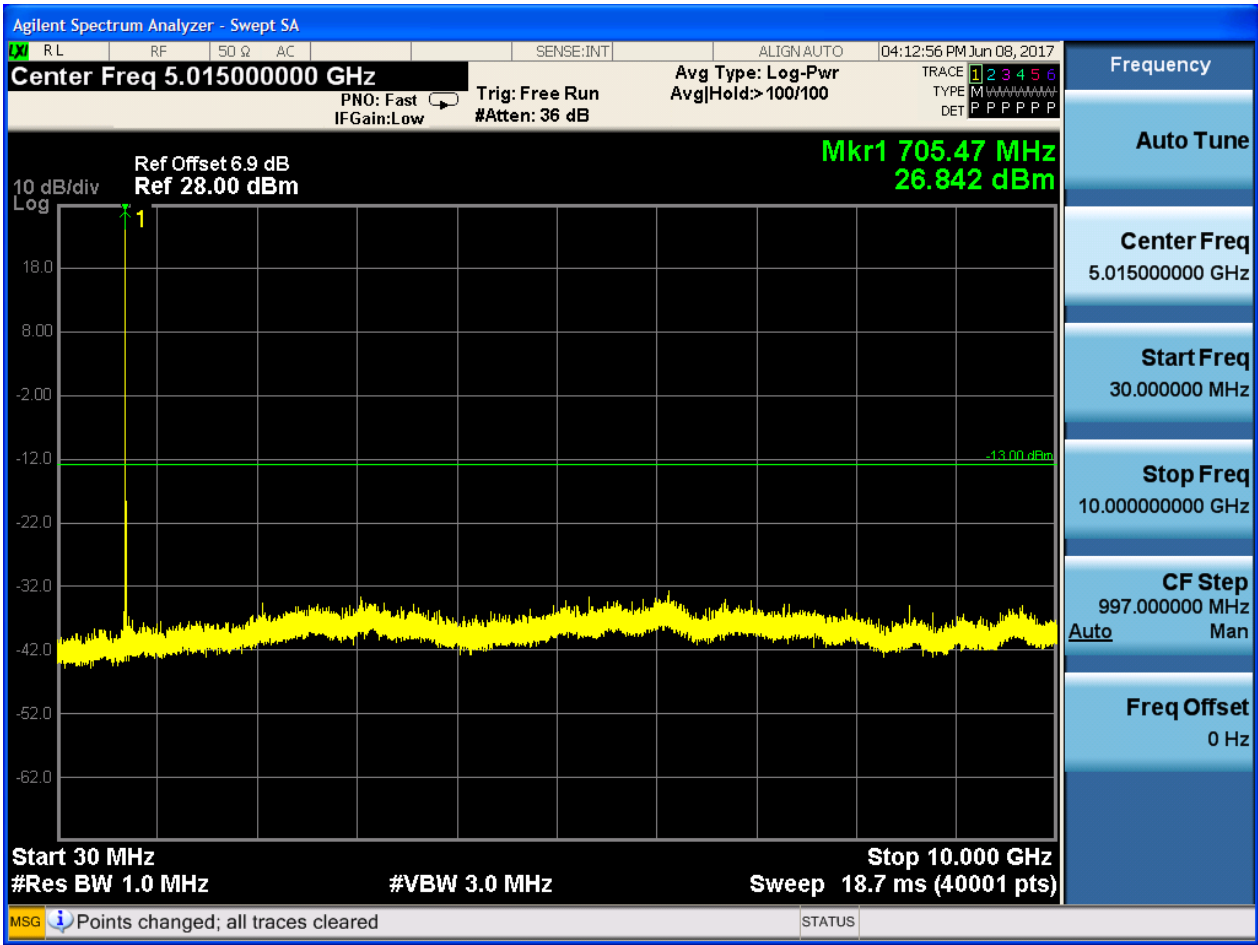


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



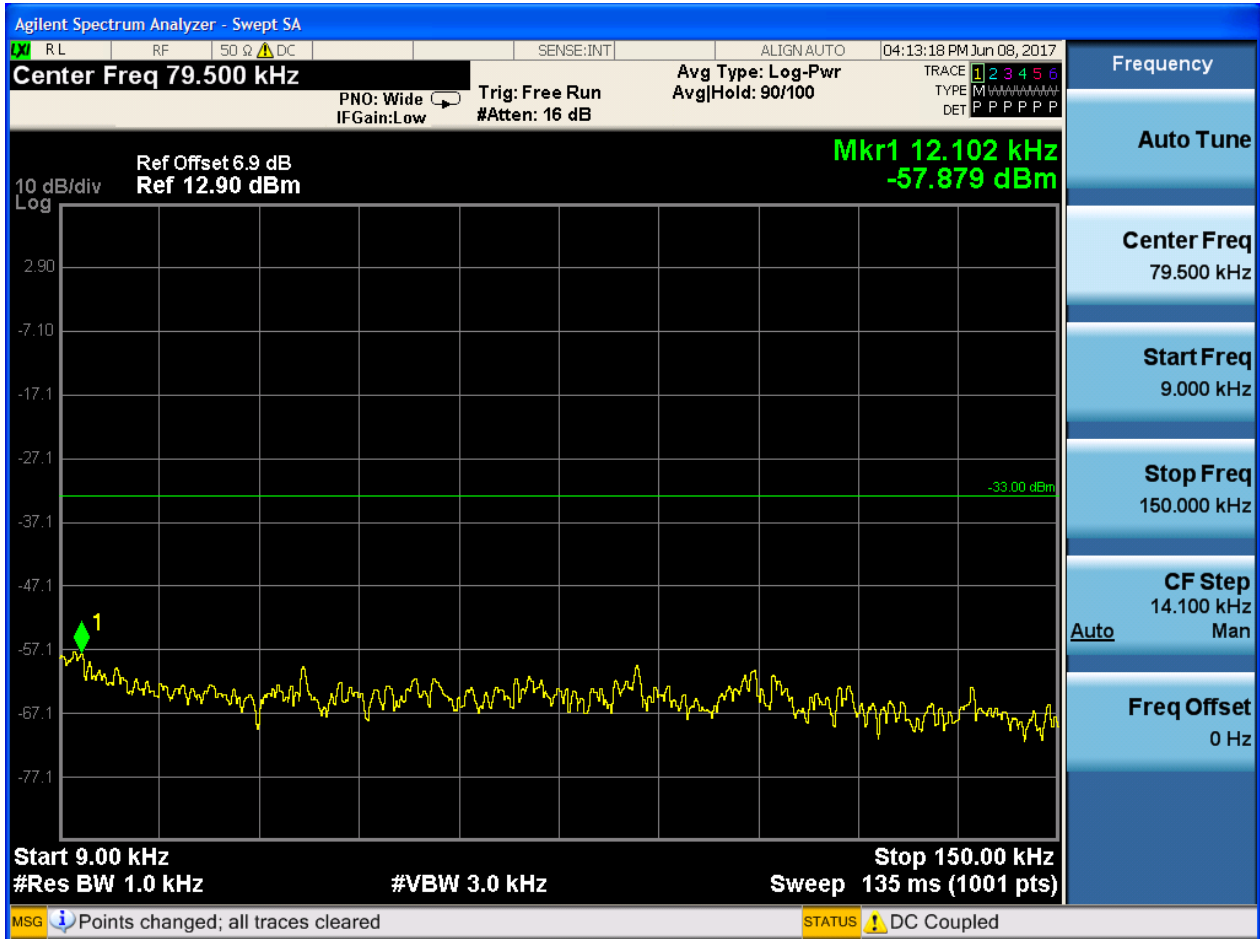


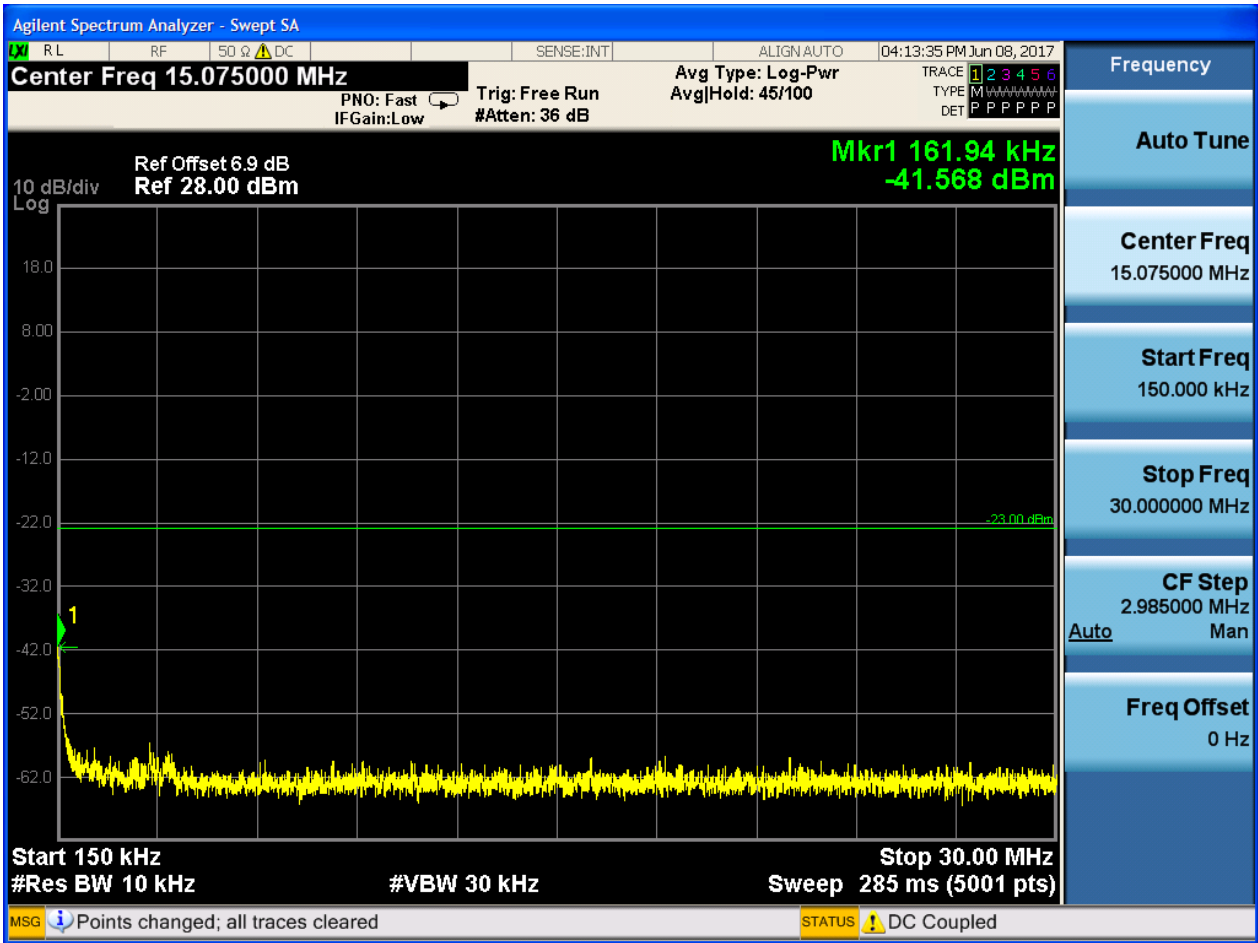


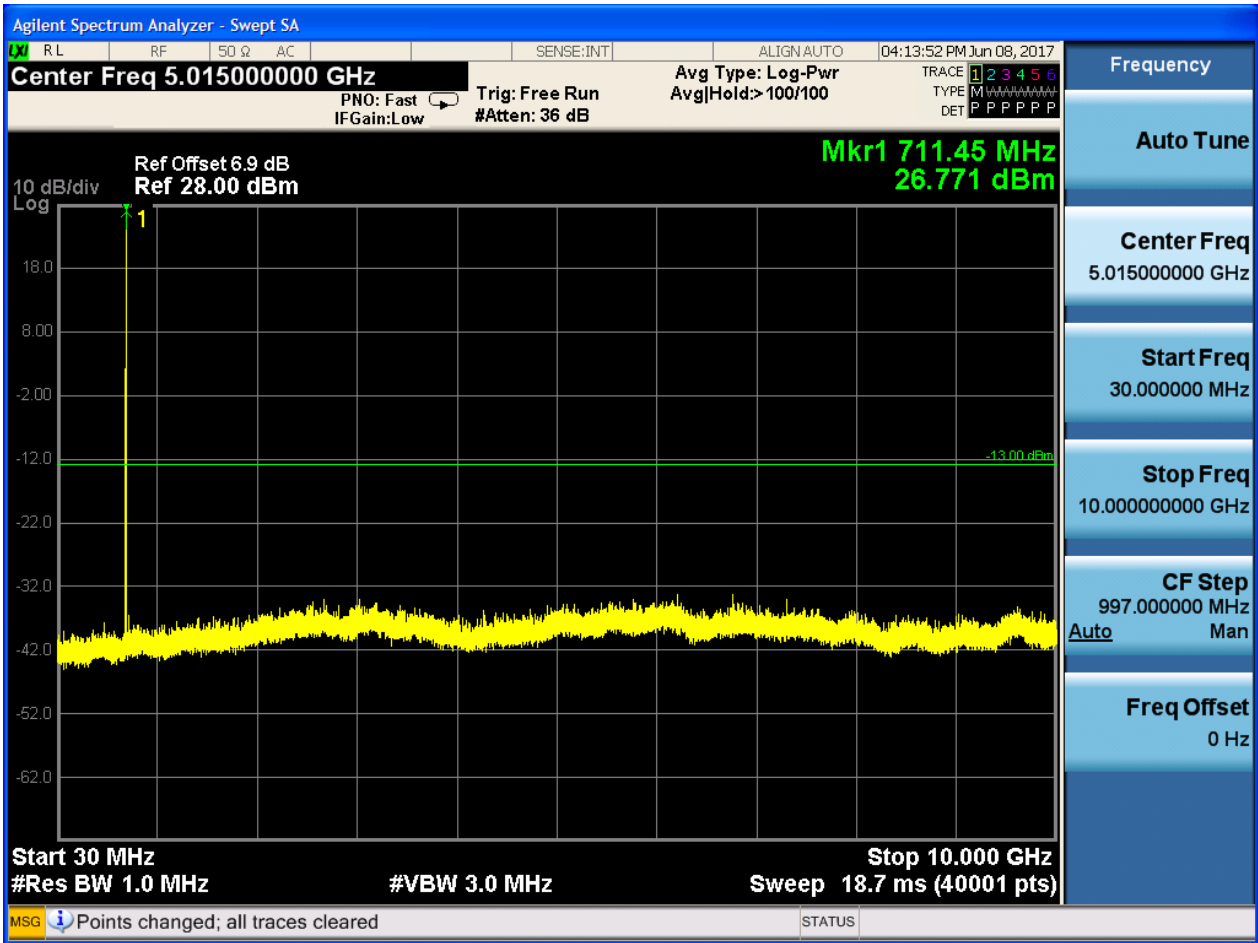


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





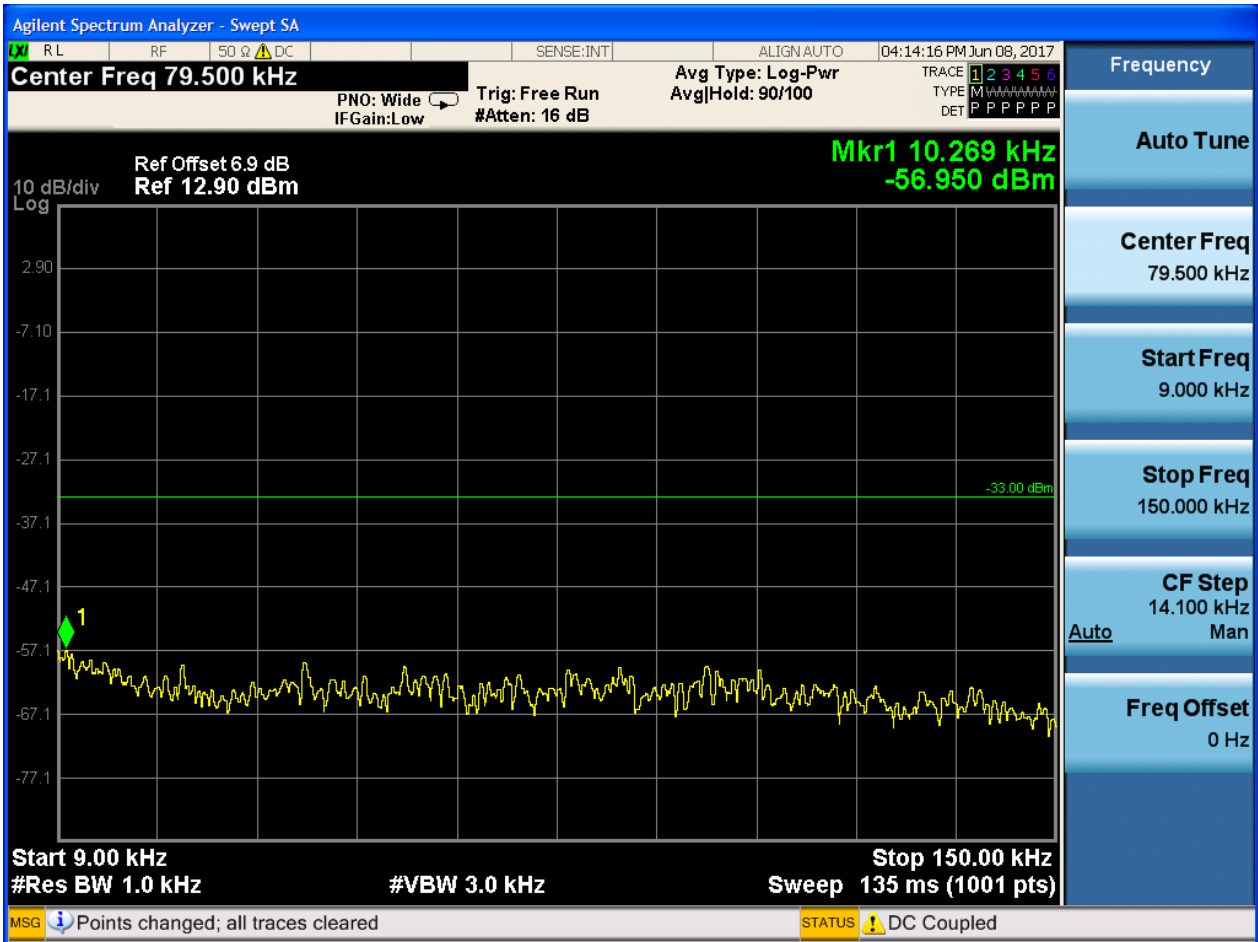


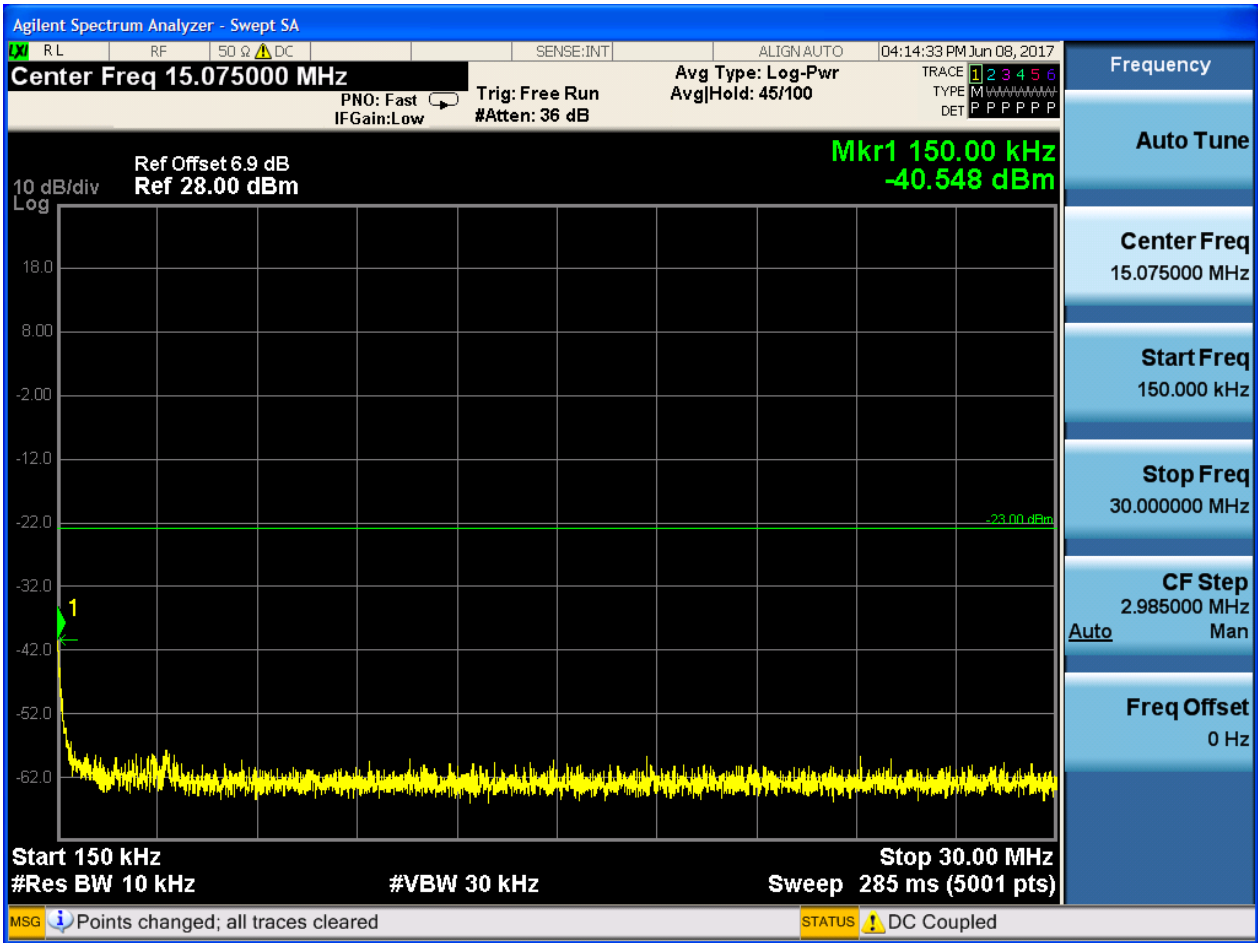


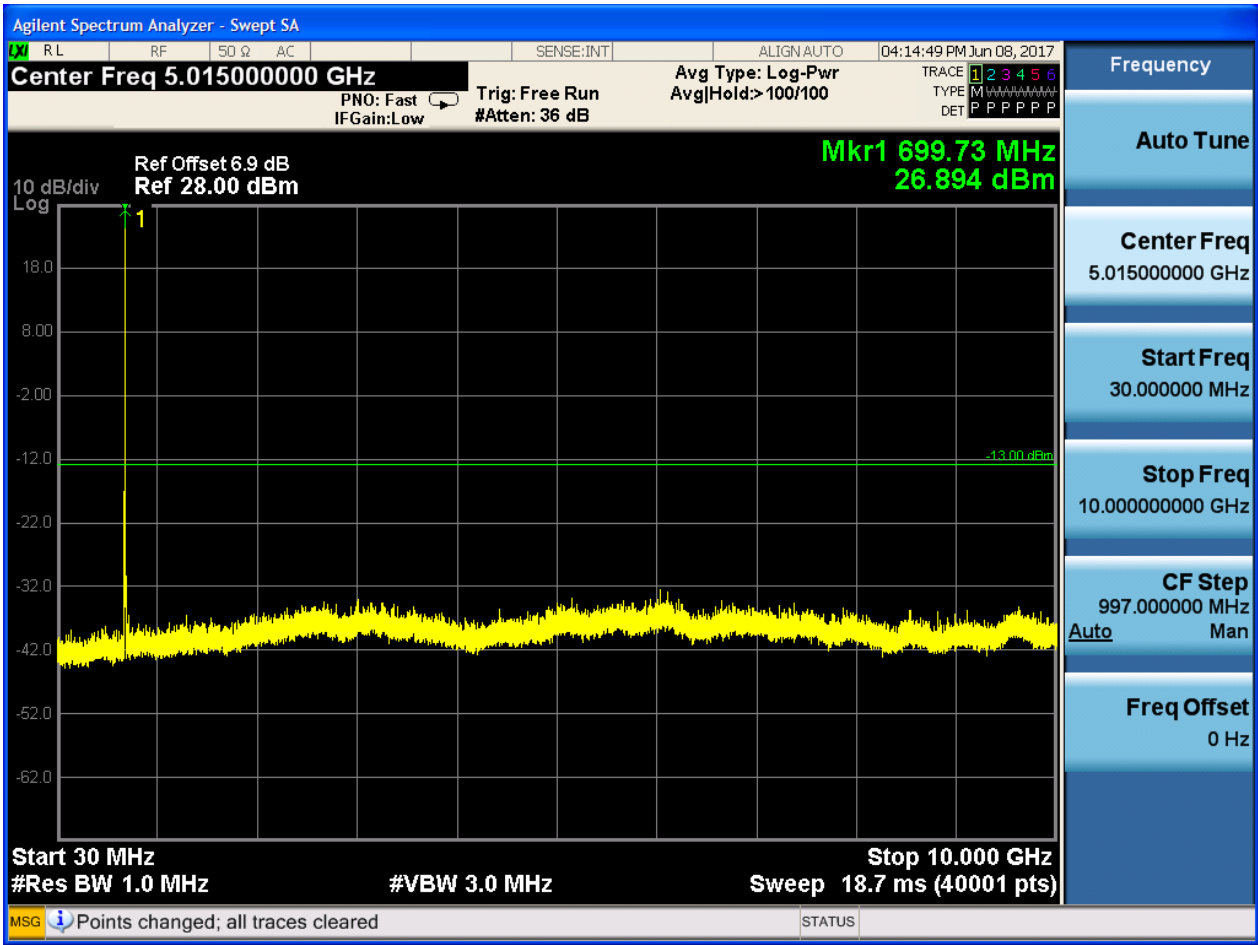
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



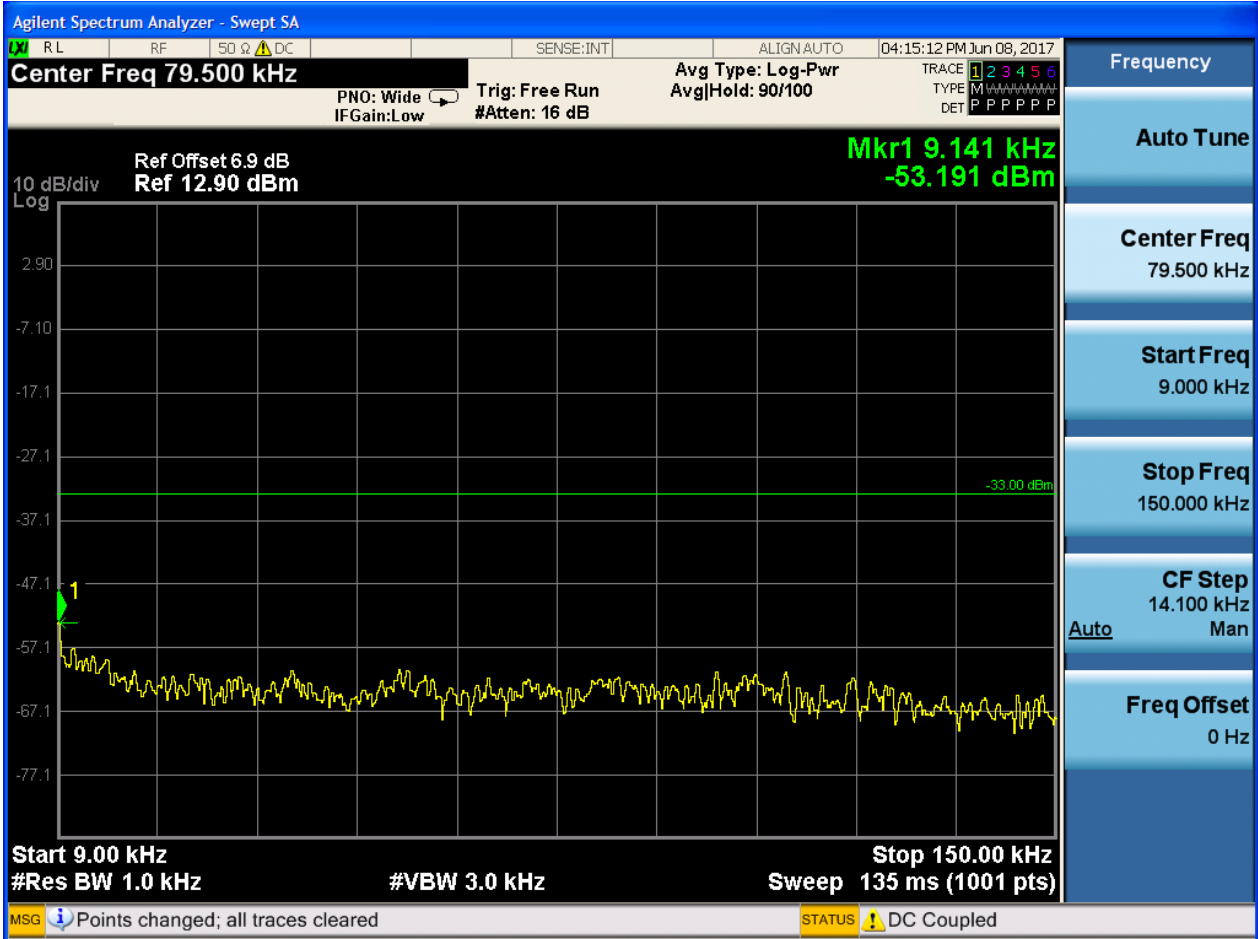


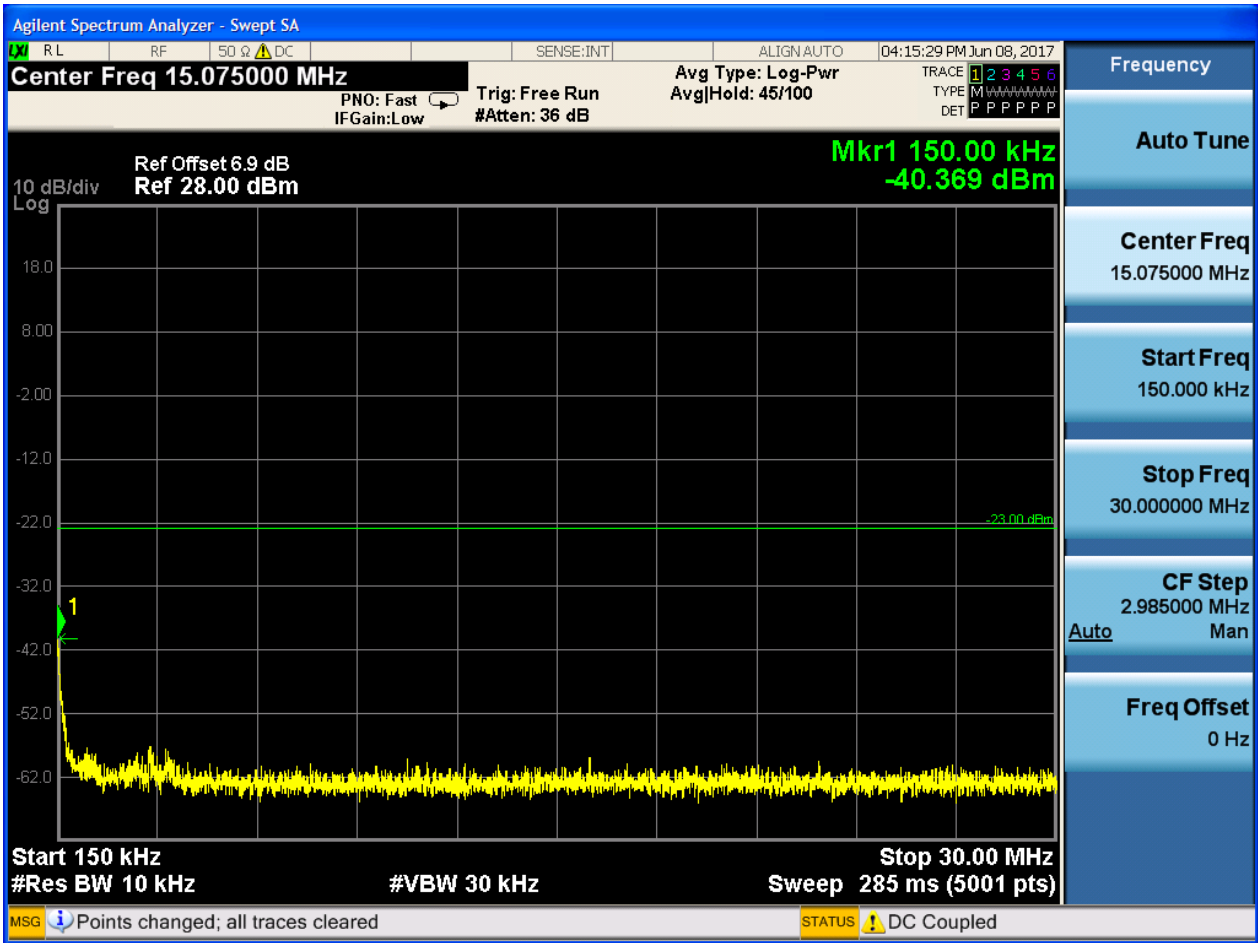


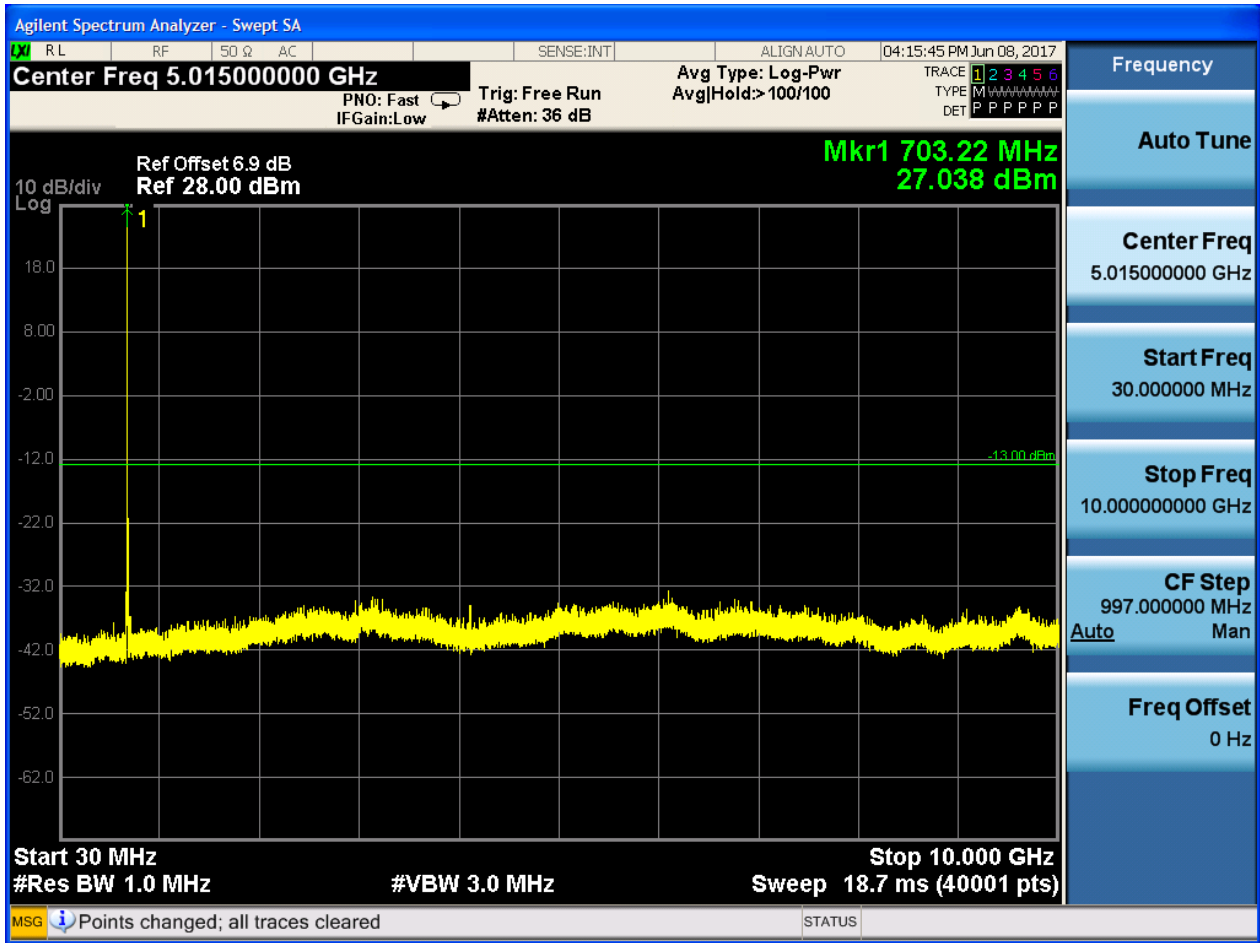


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



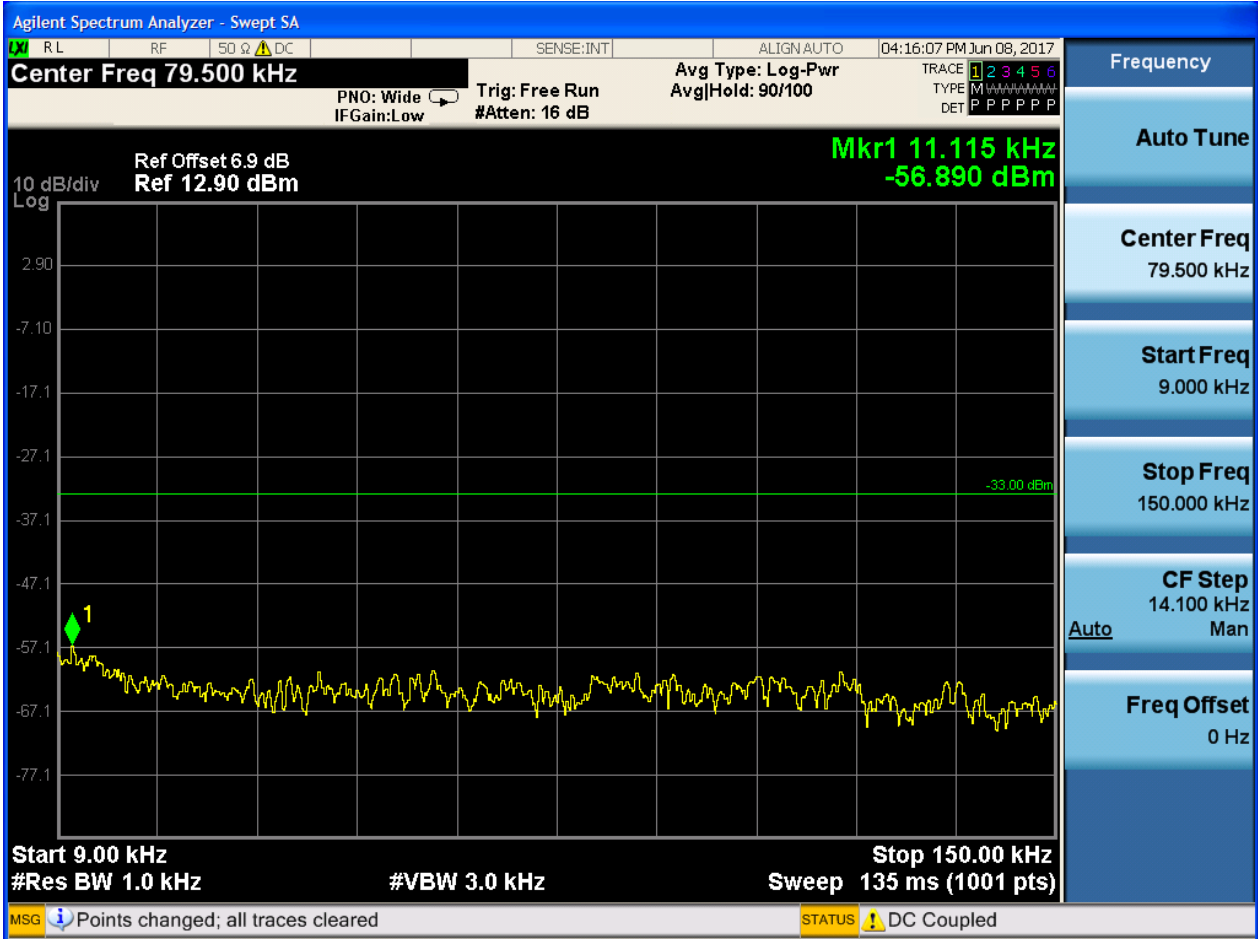


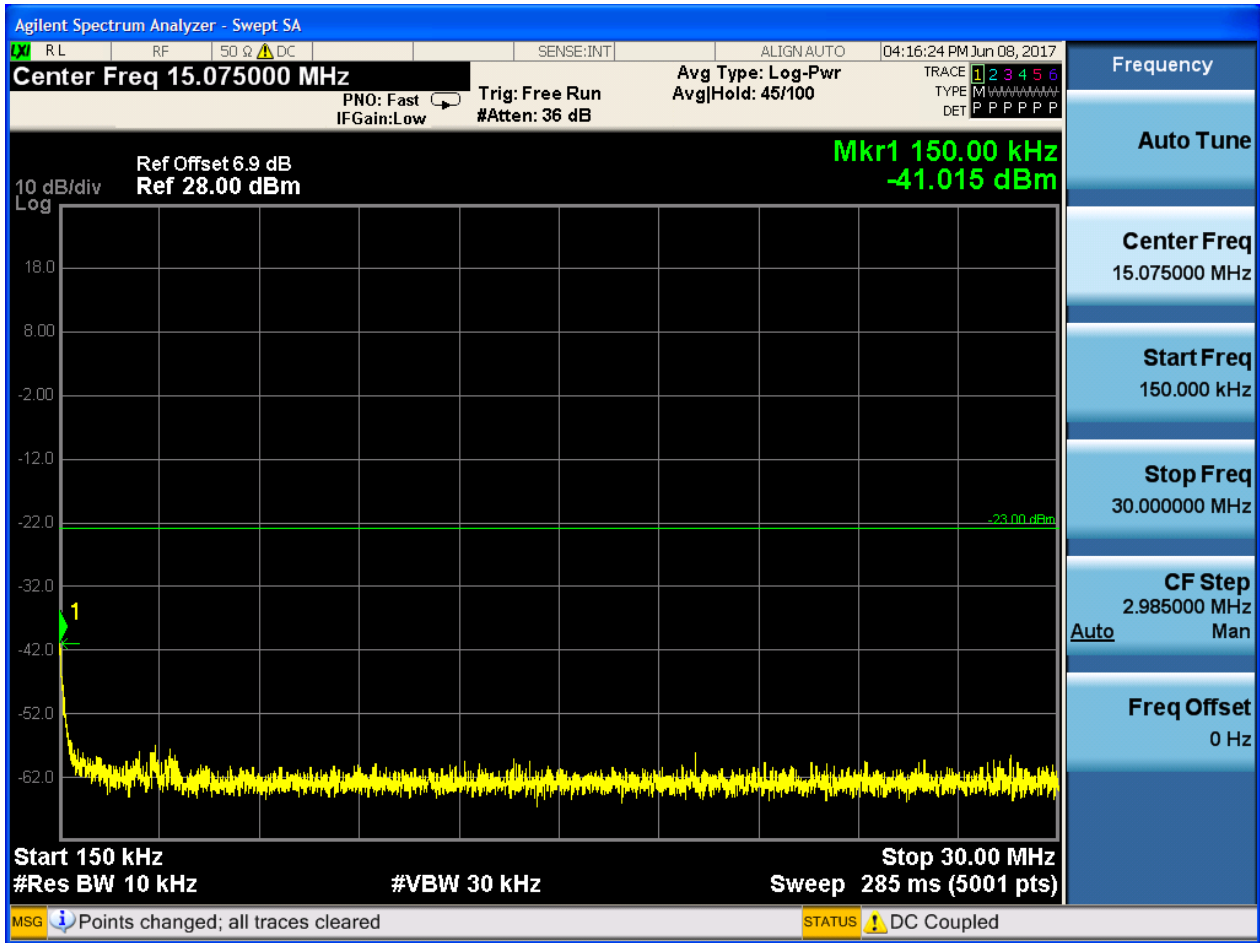


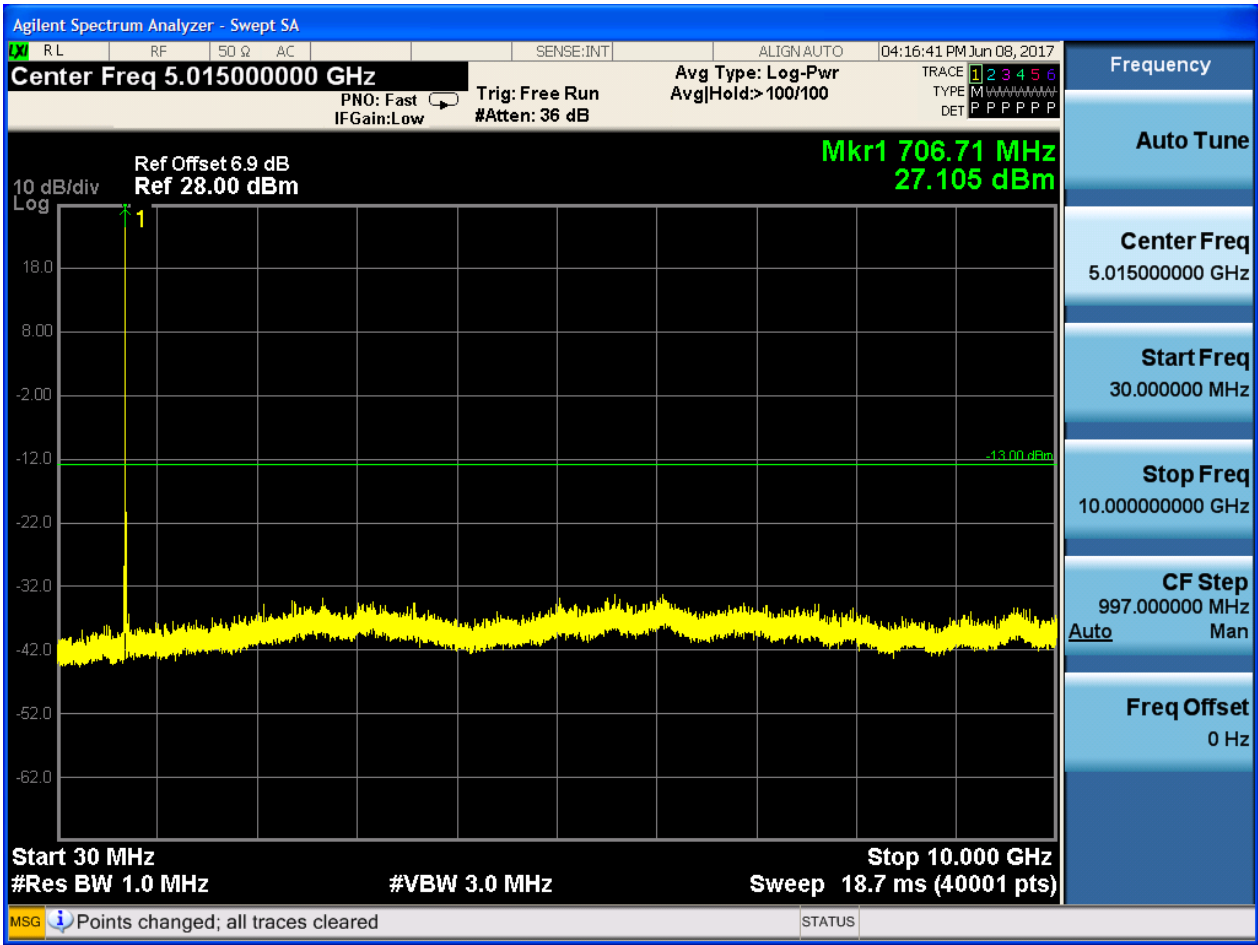


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







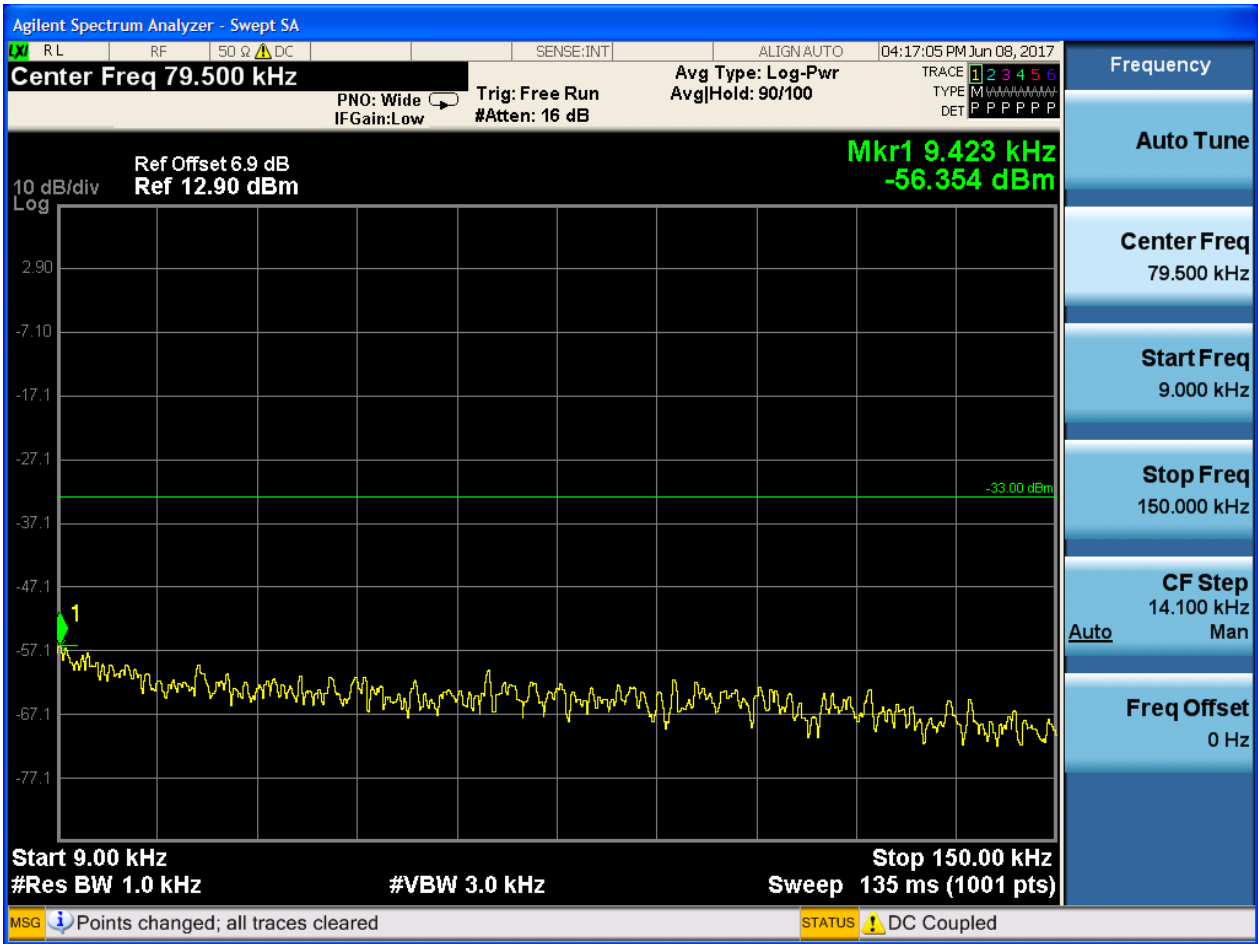


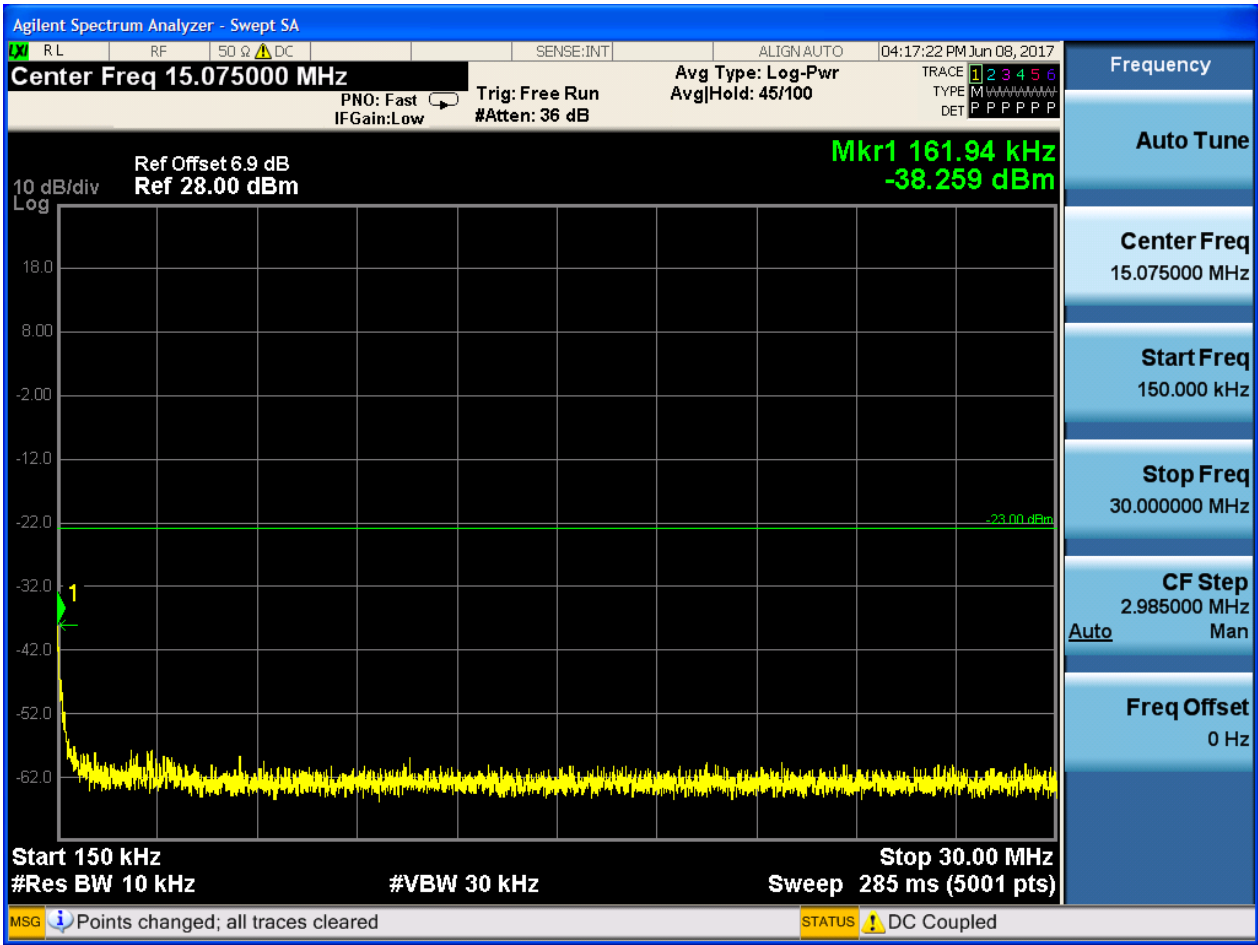
6.1.1.2 Test Mode = LTE/TM2

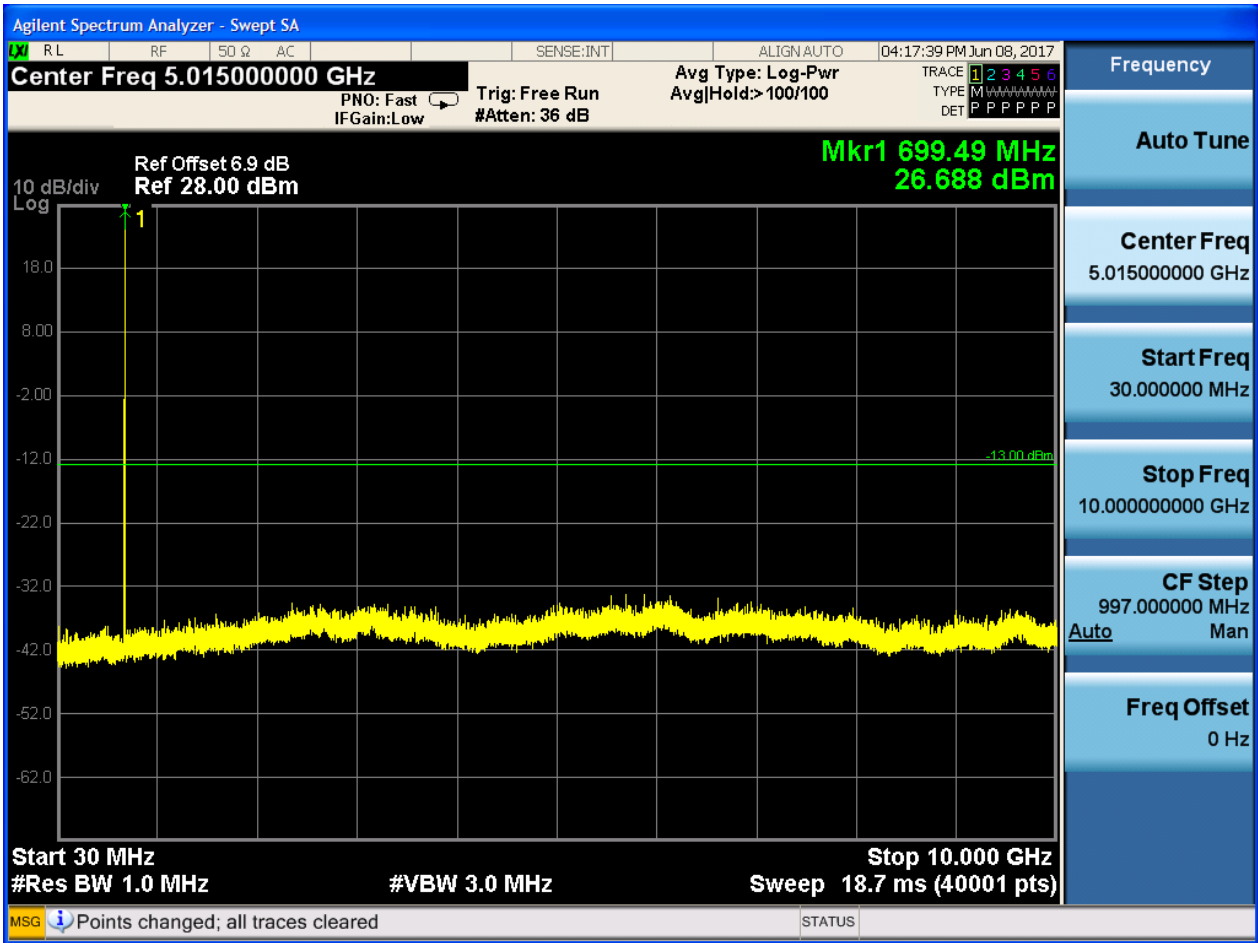
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



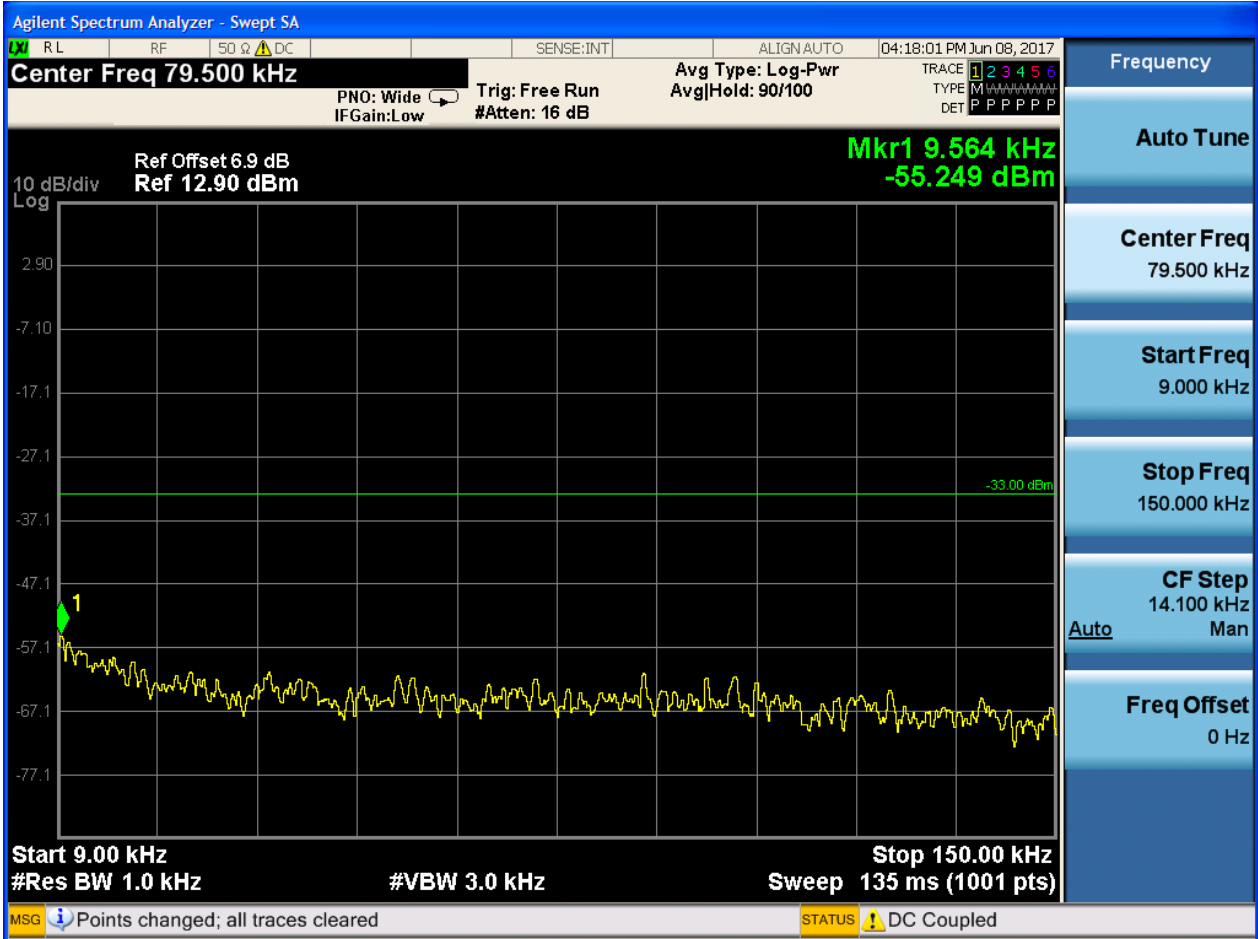


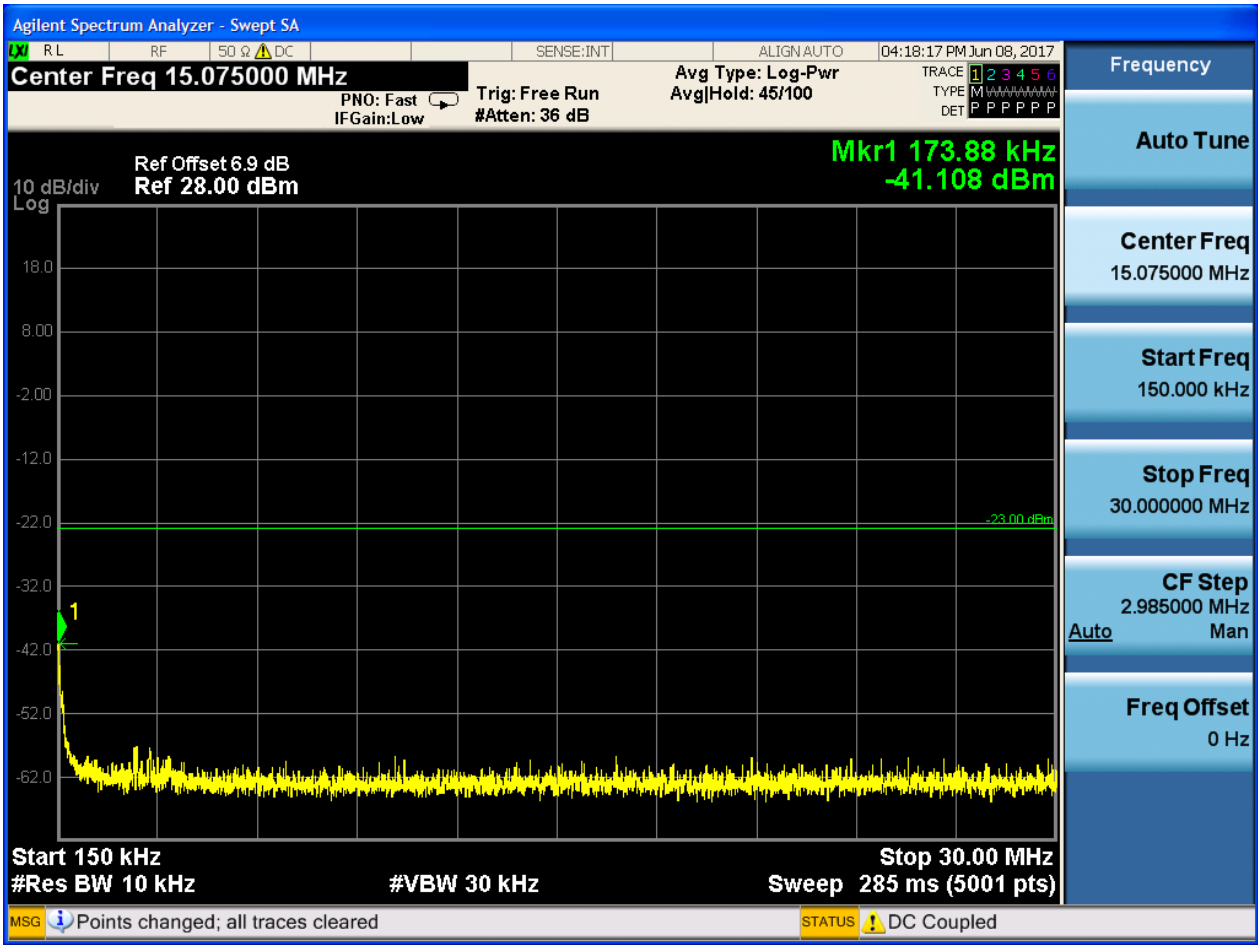


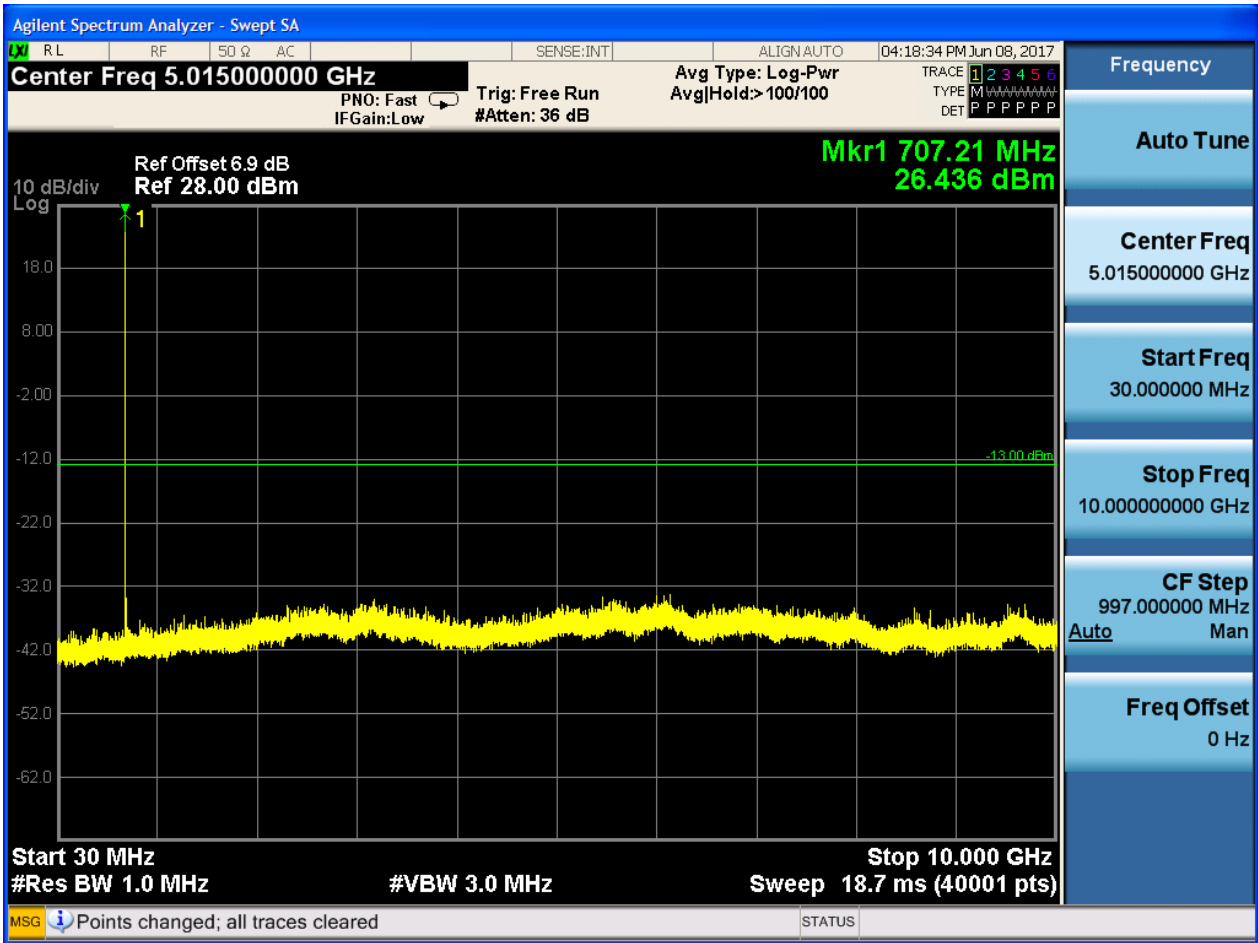


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



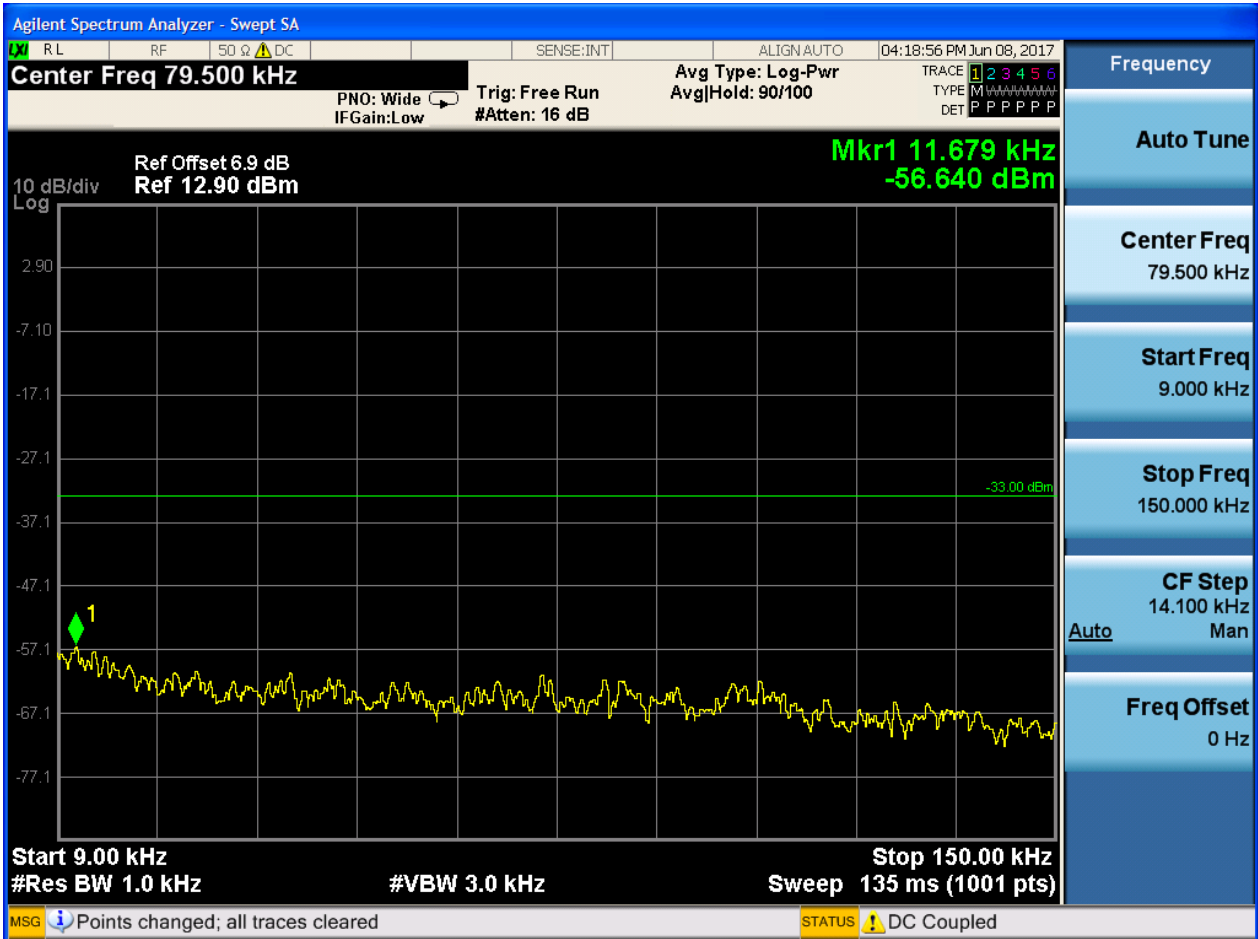


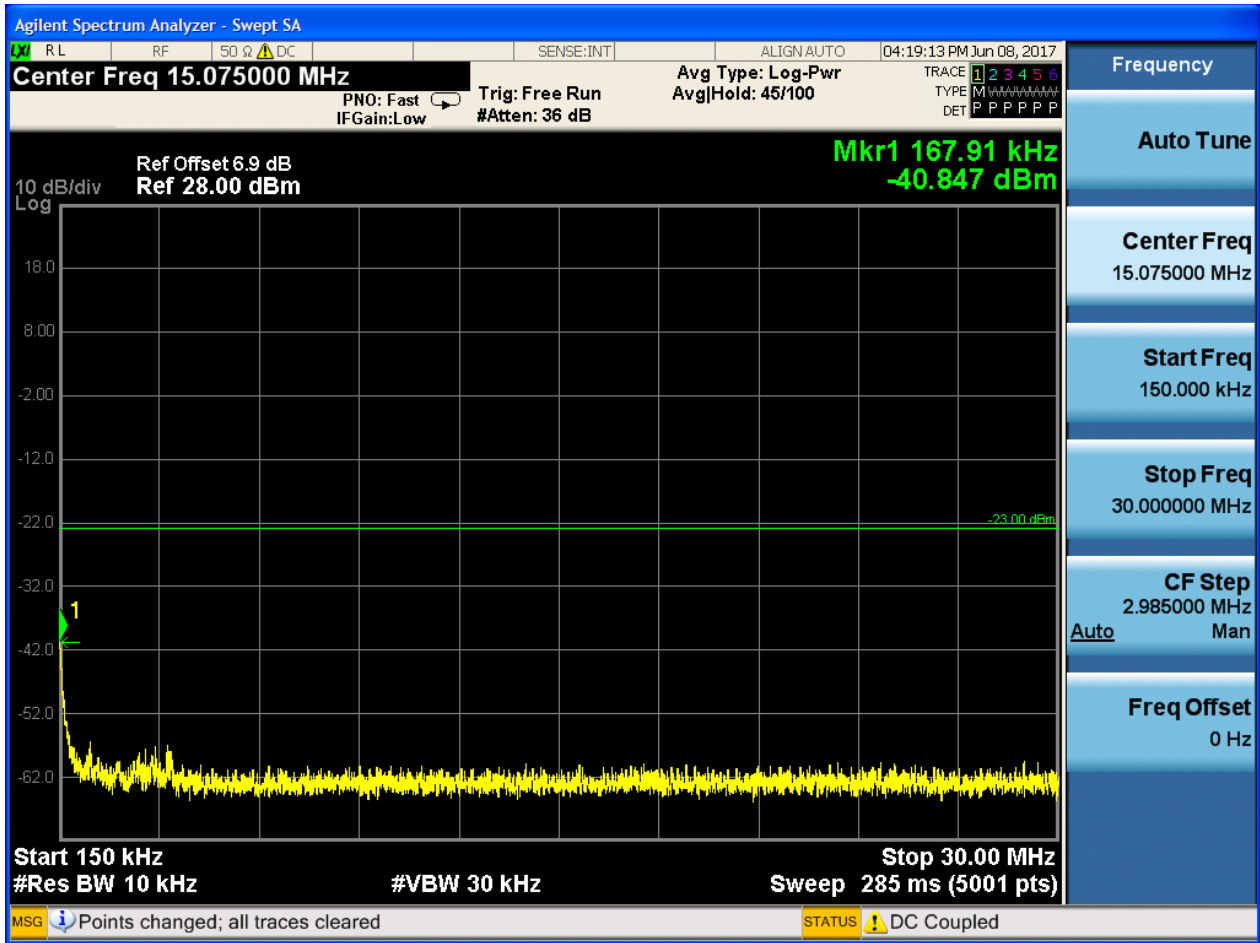


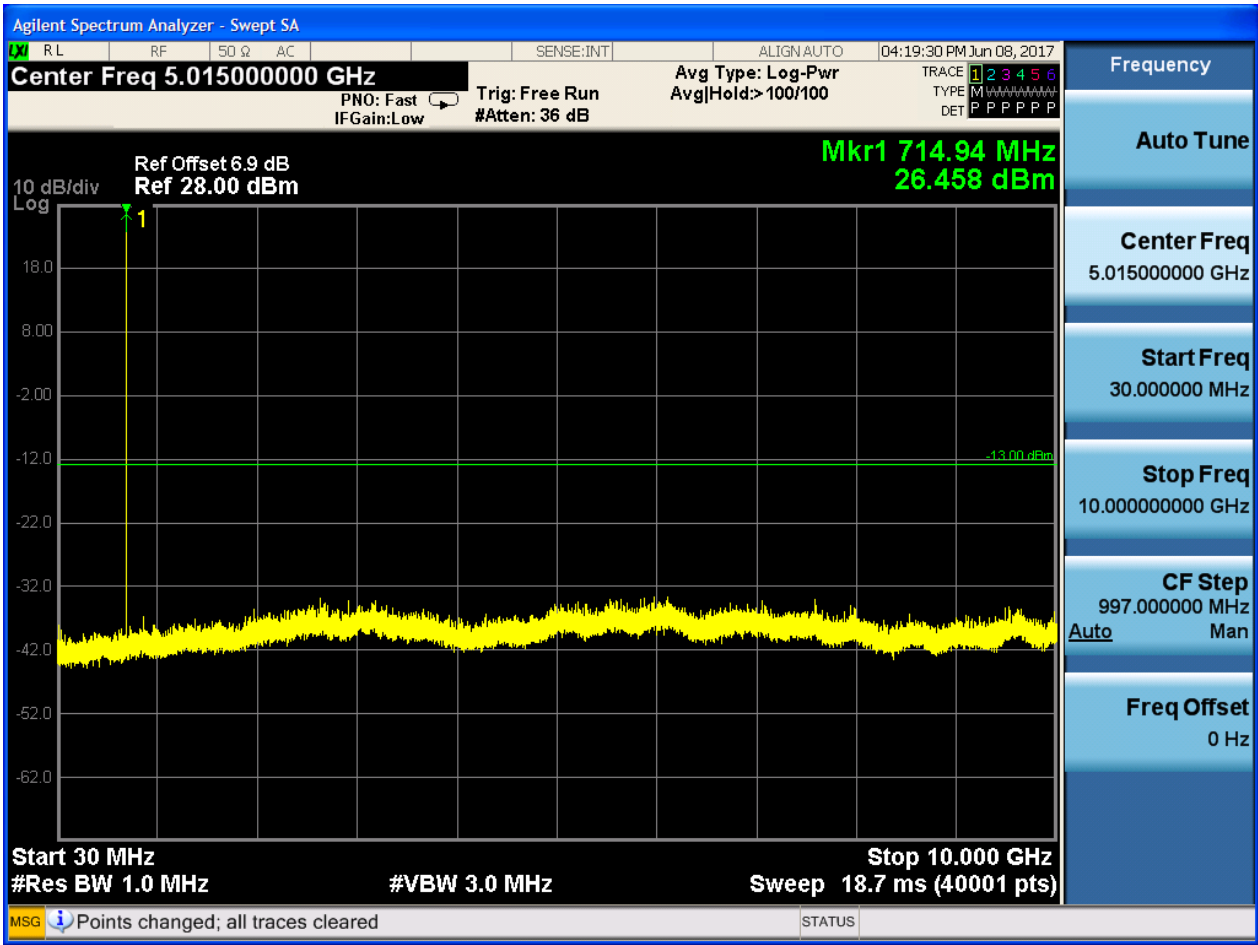


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





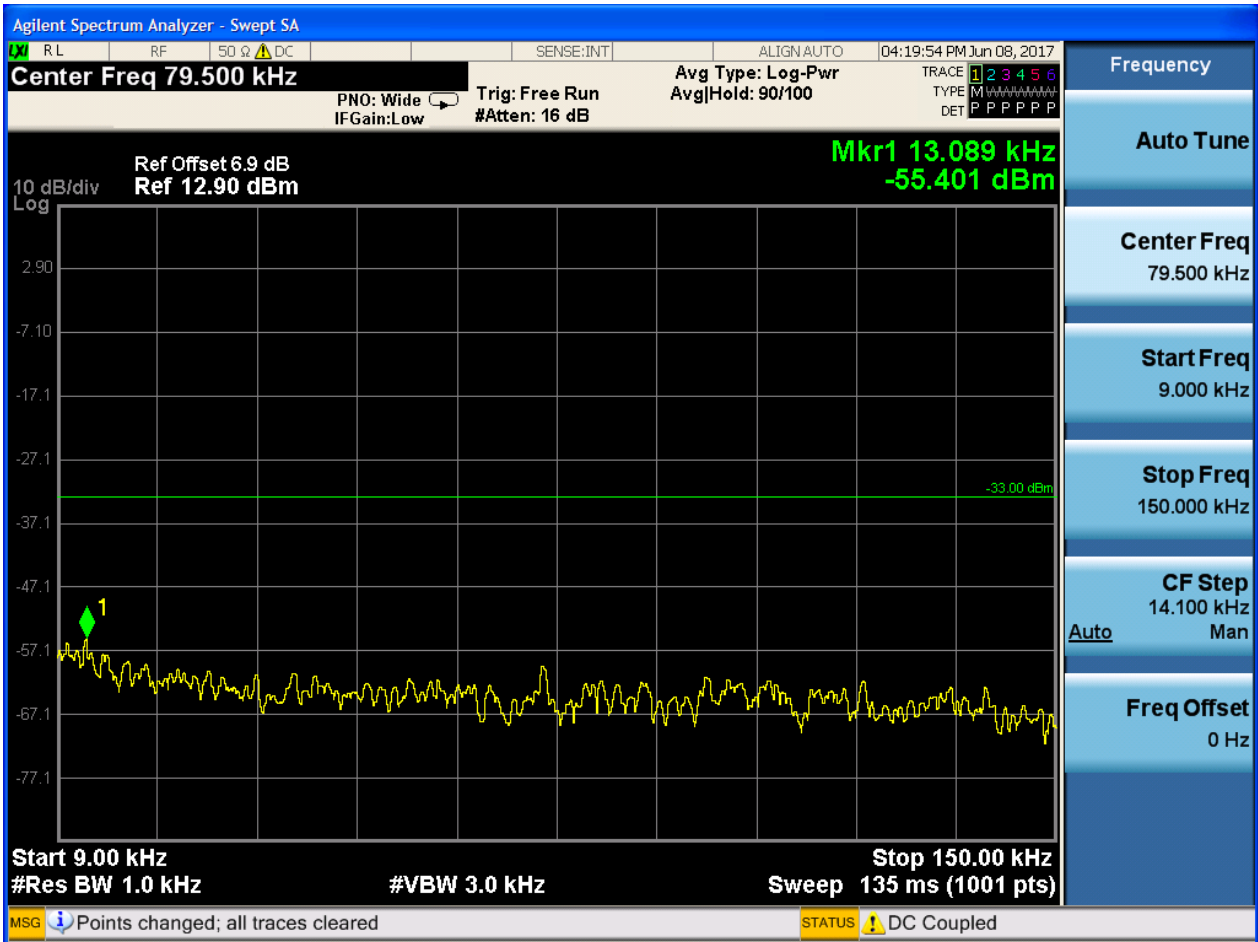


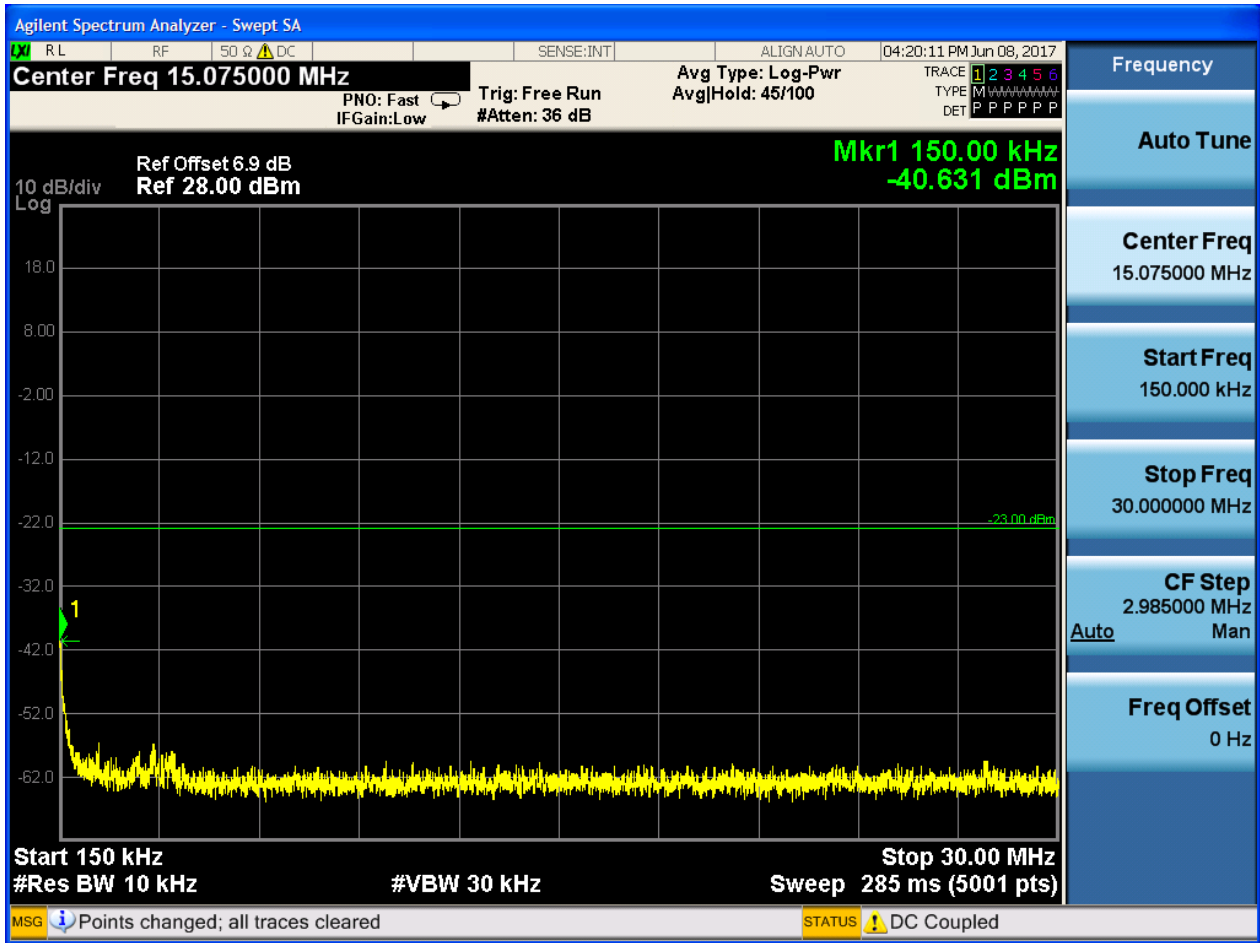


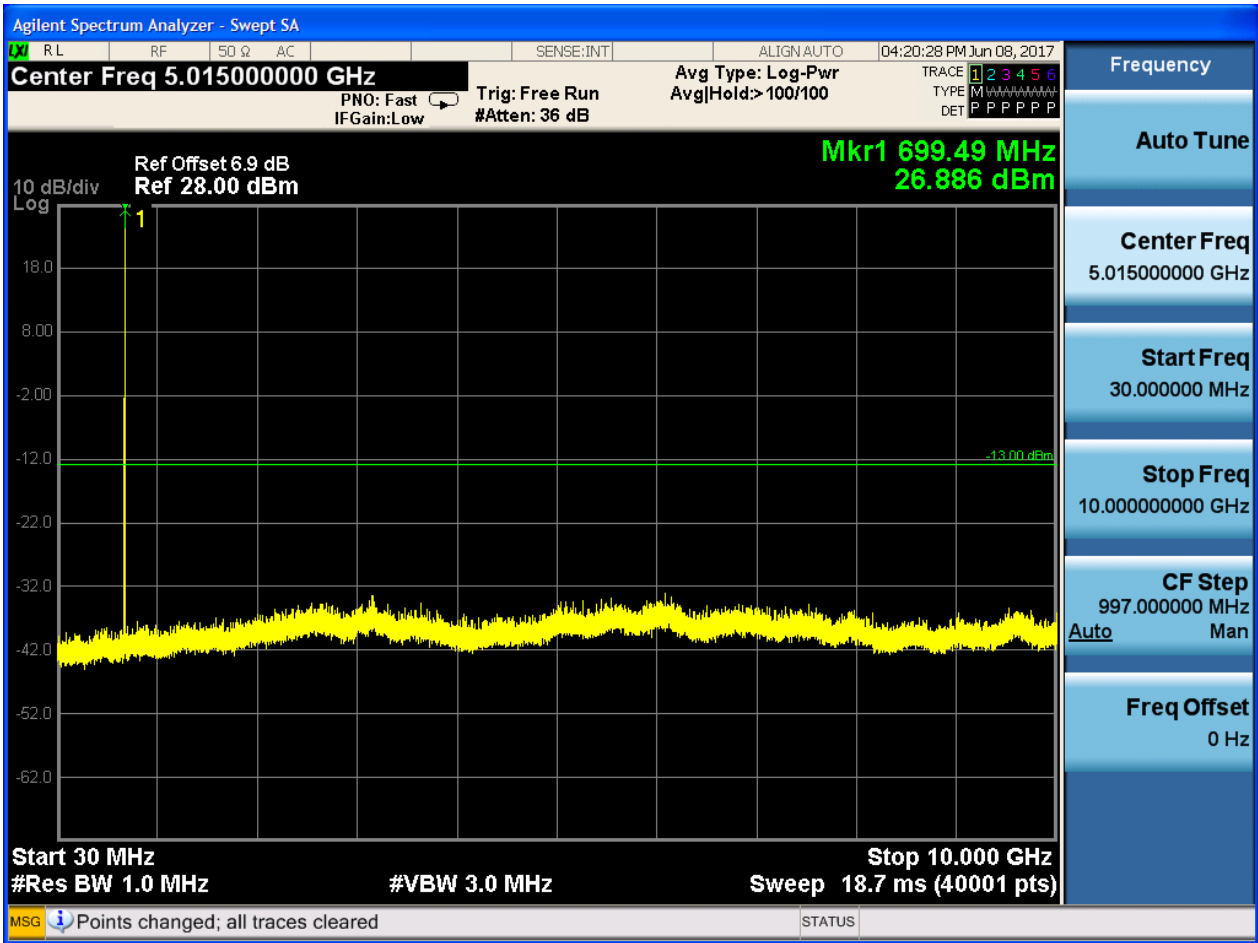
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



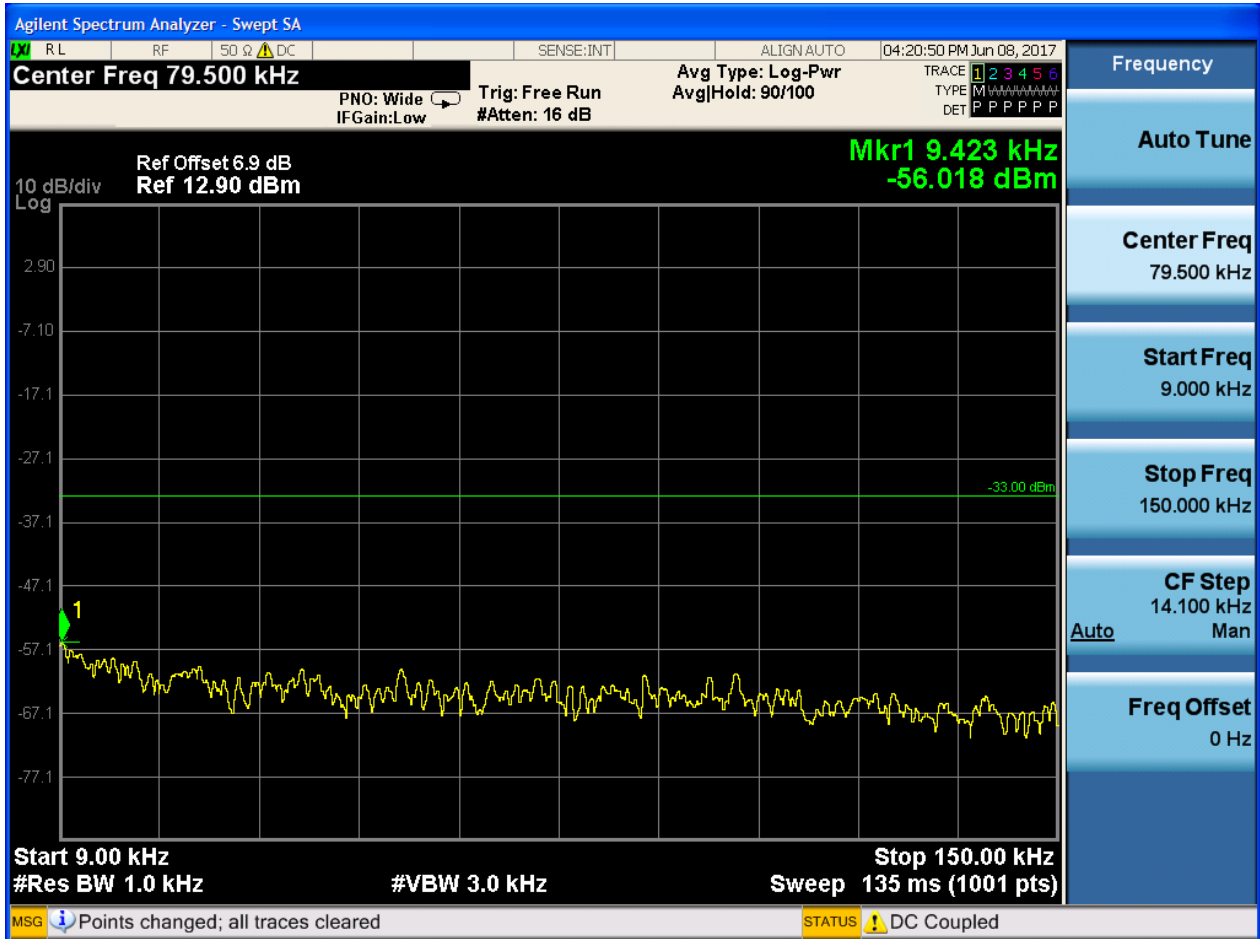


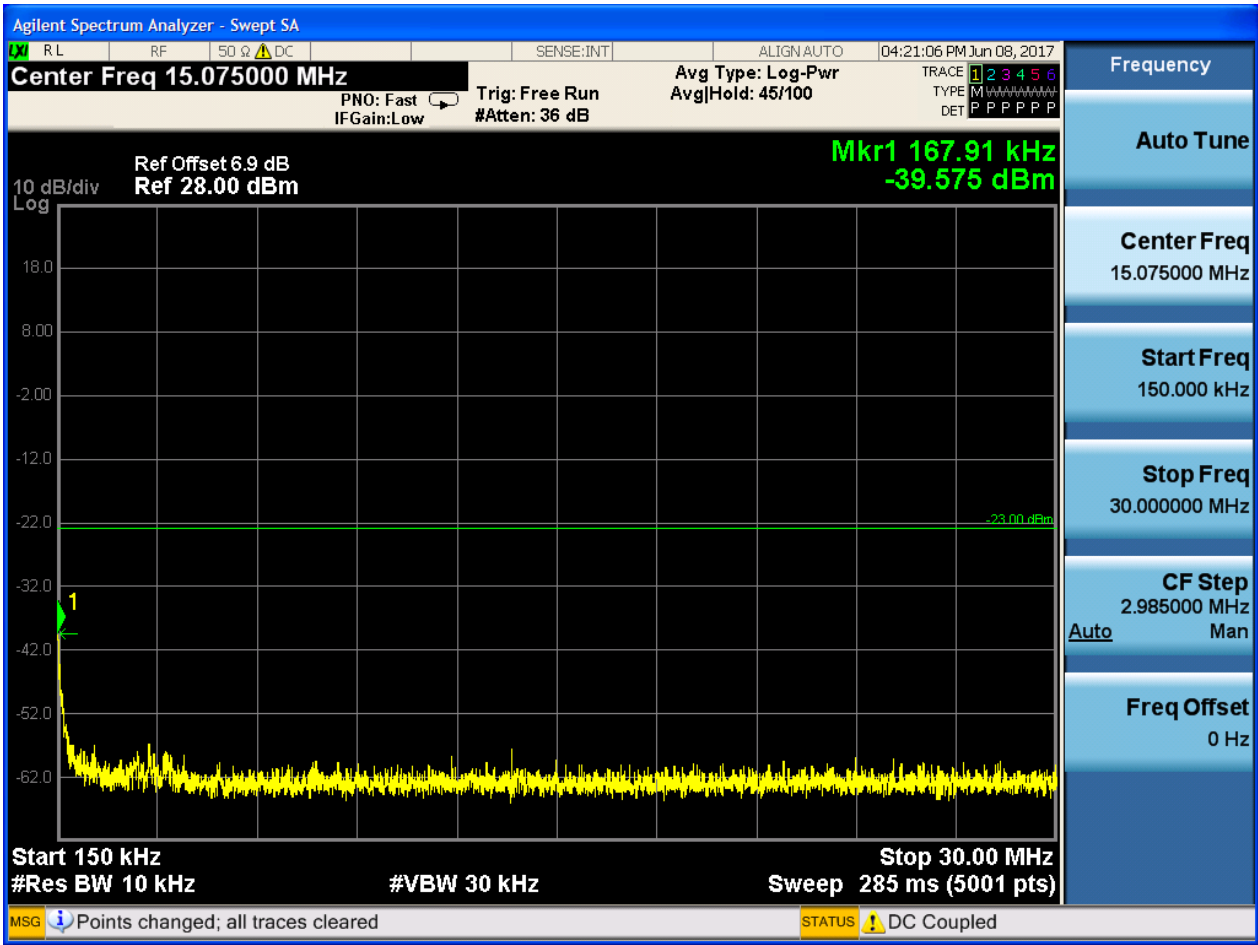


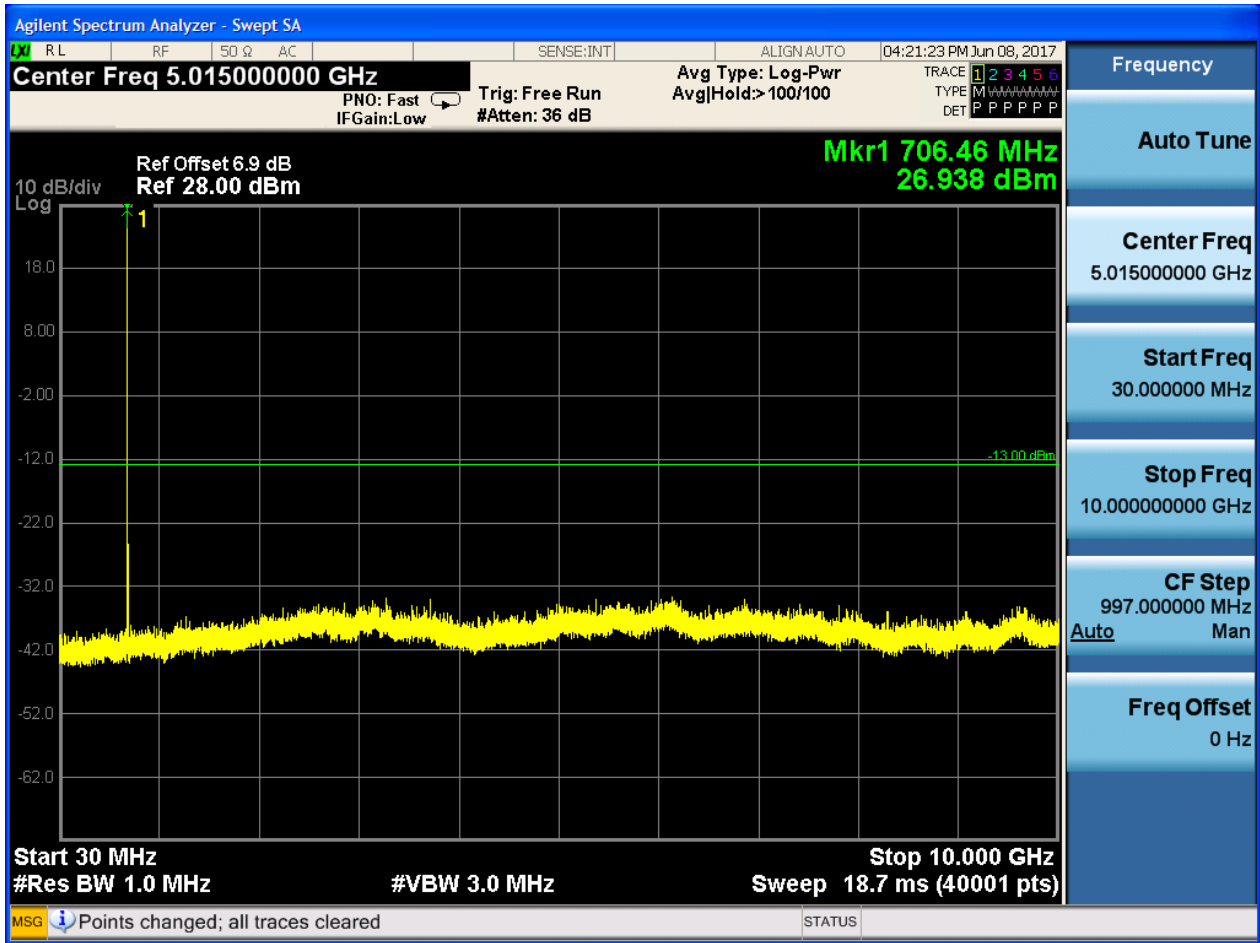


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



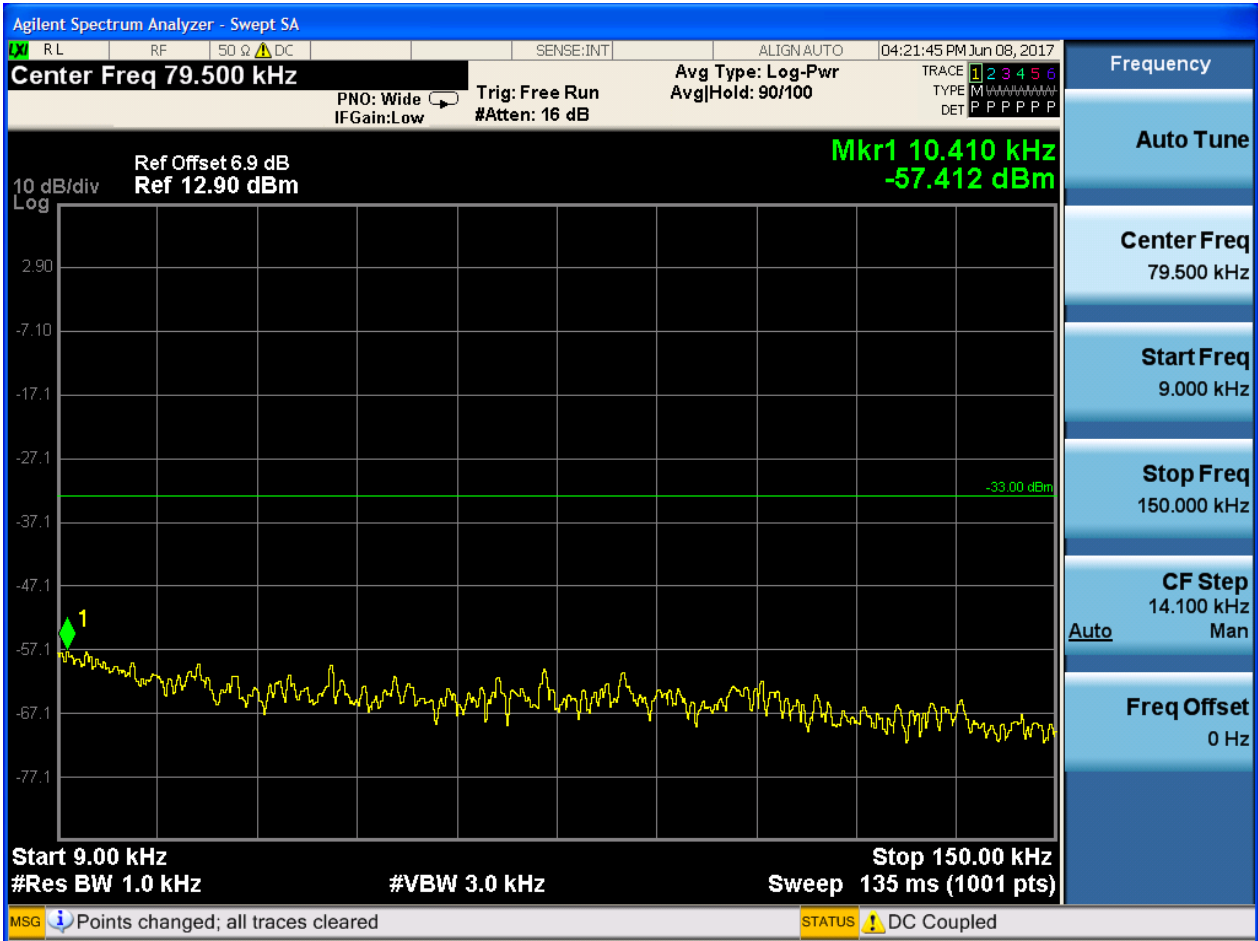


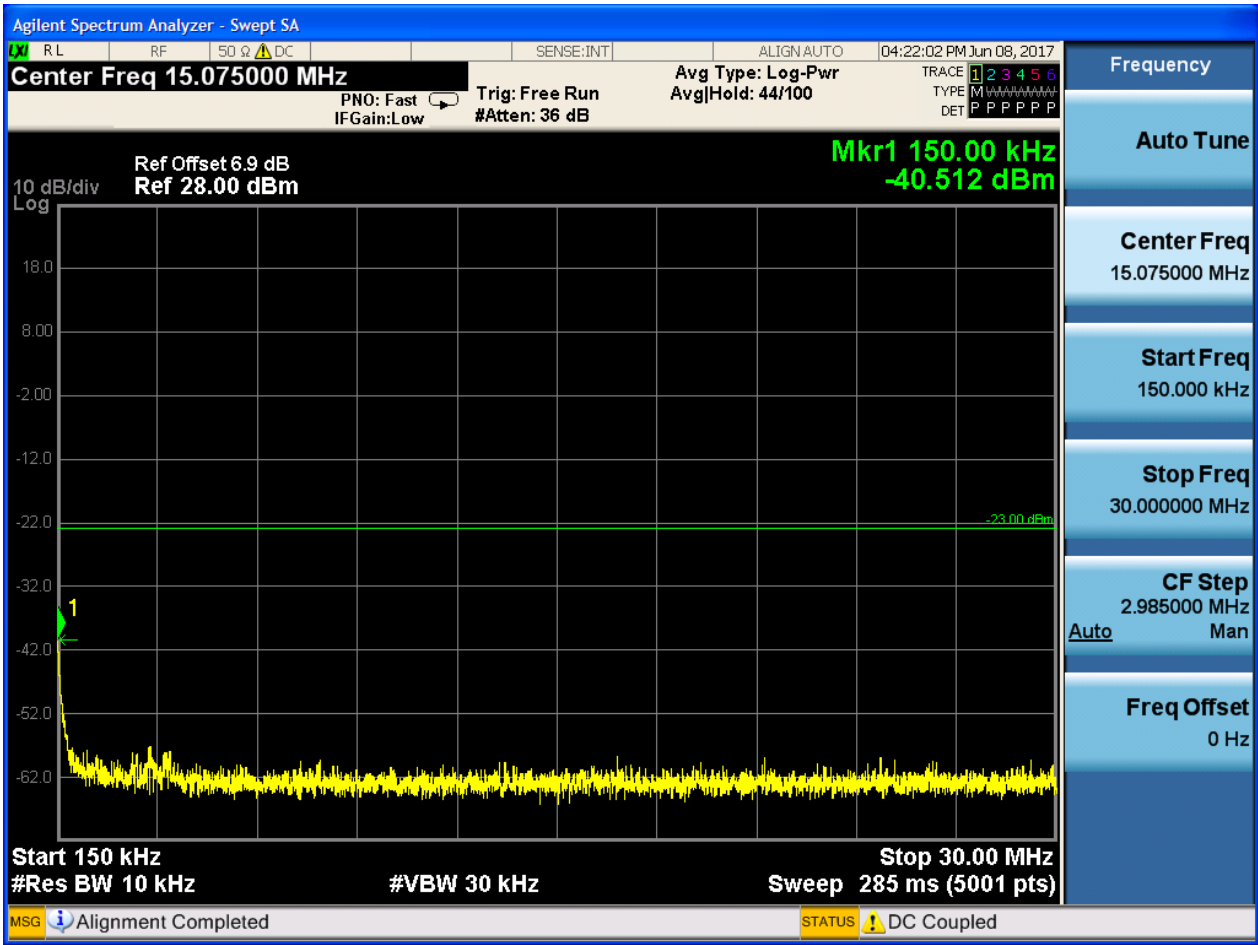


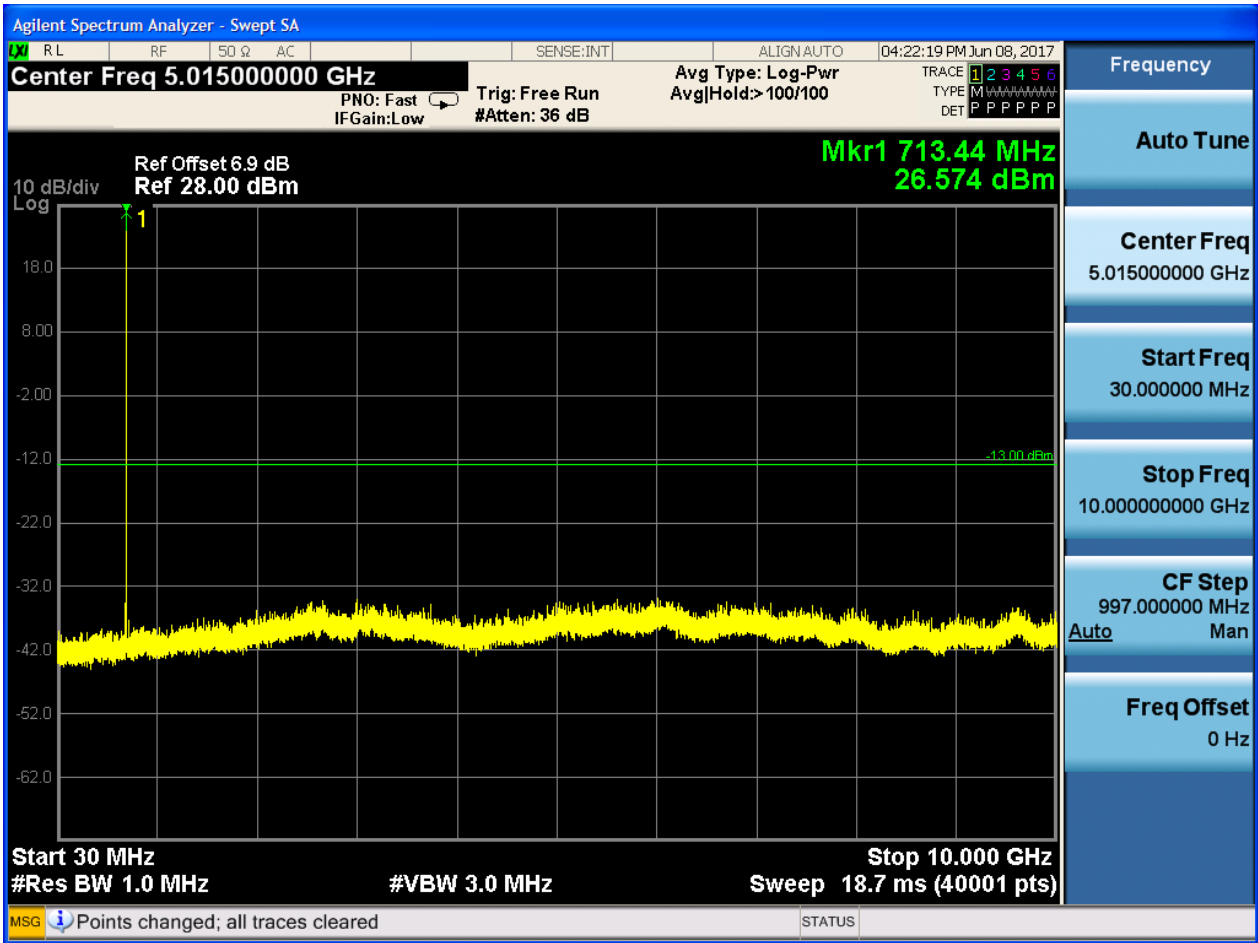


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





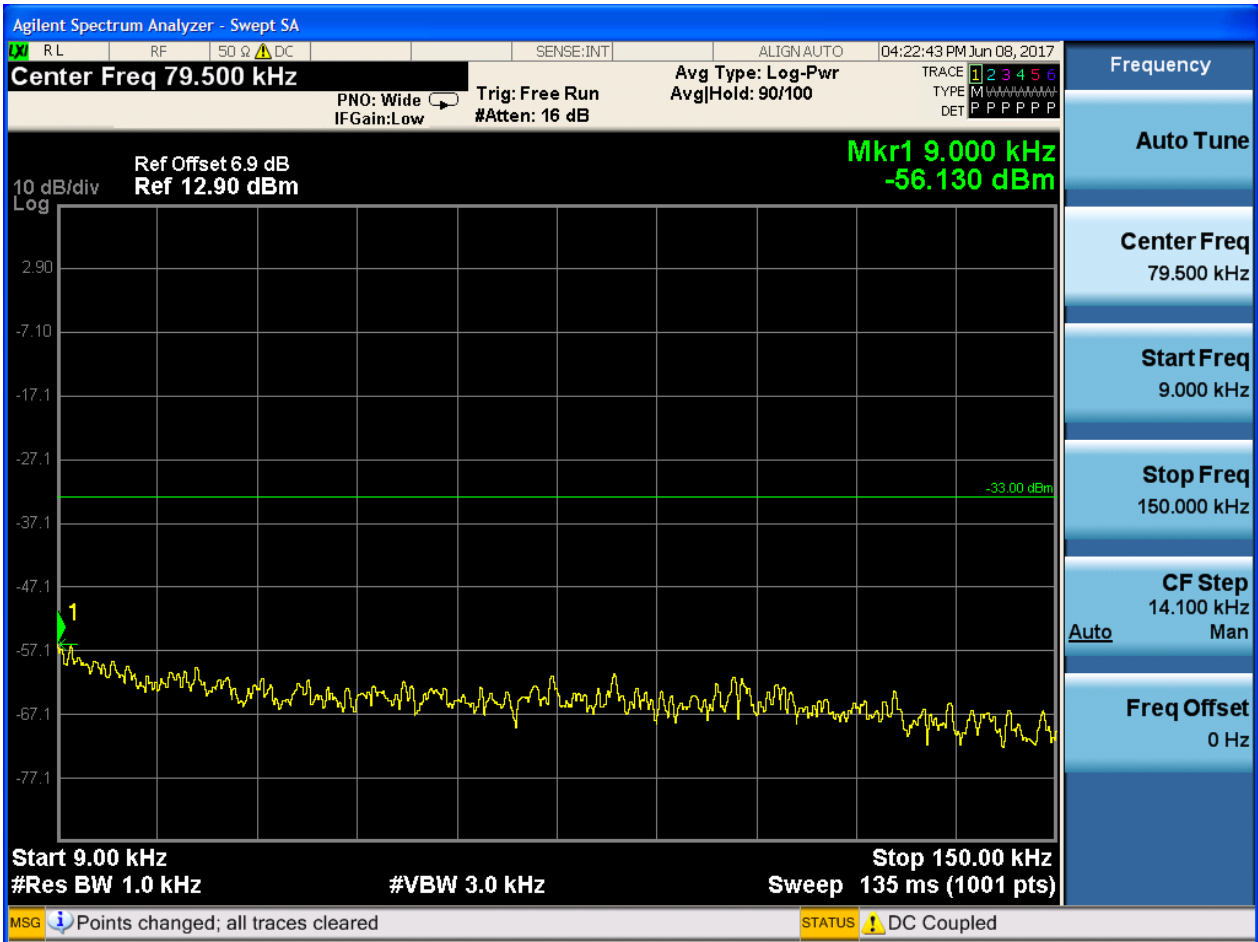


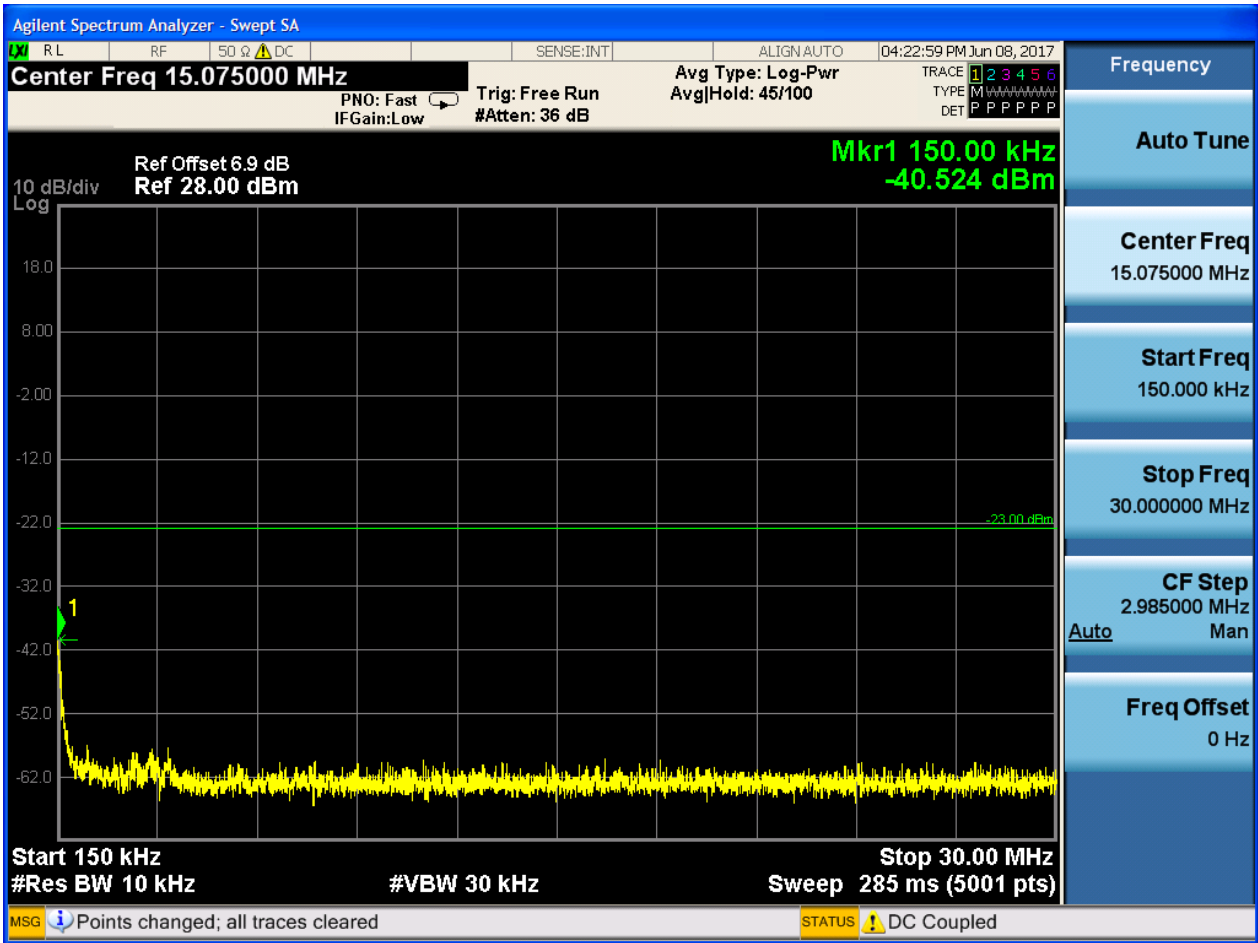


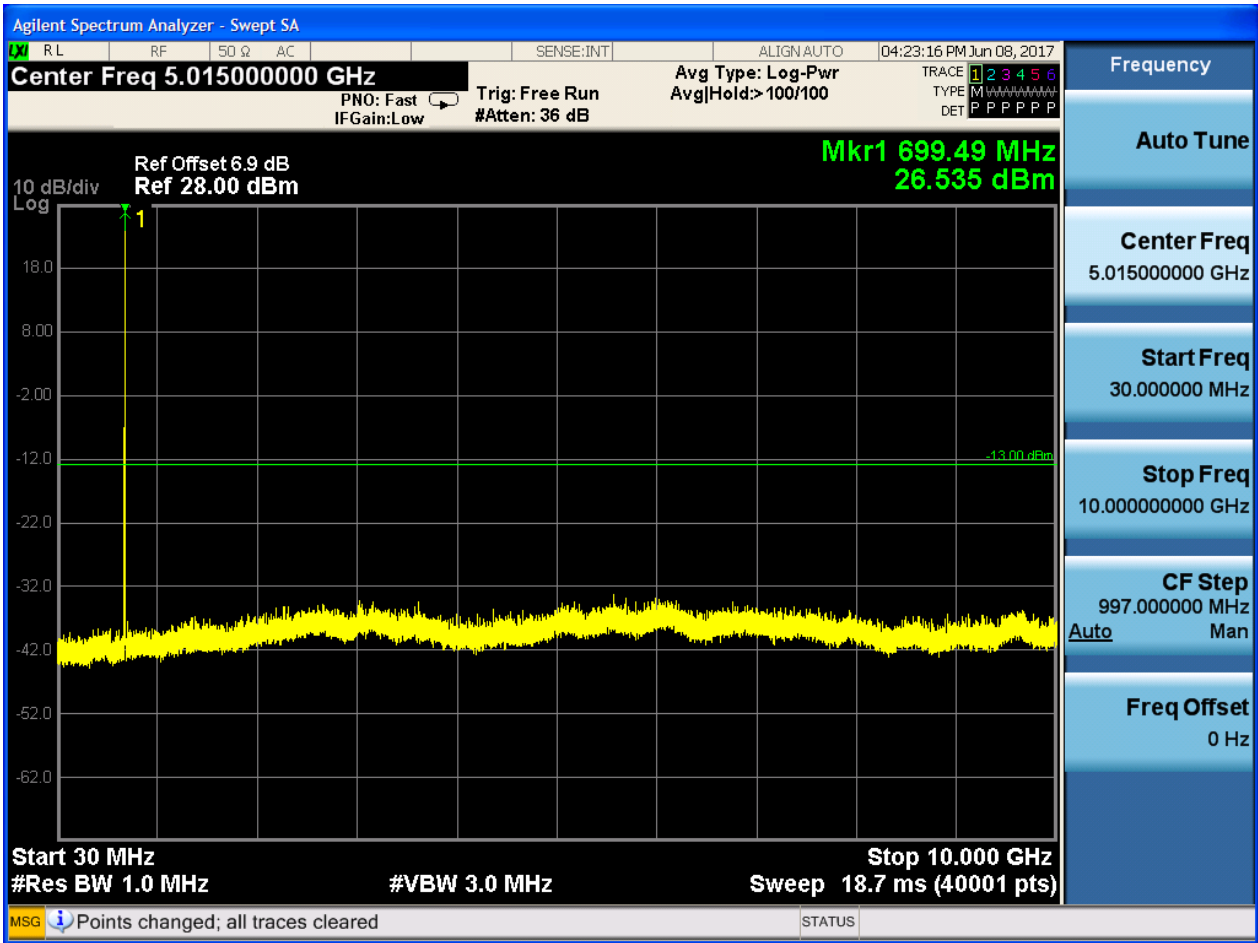
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



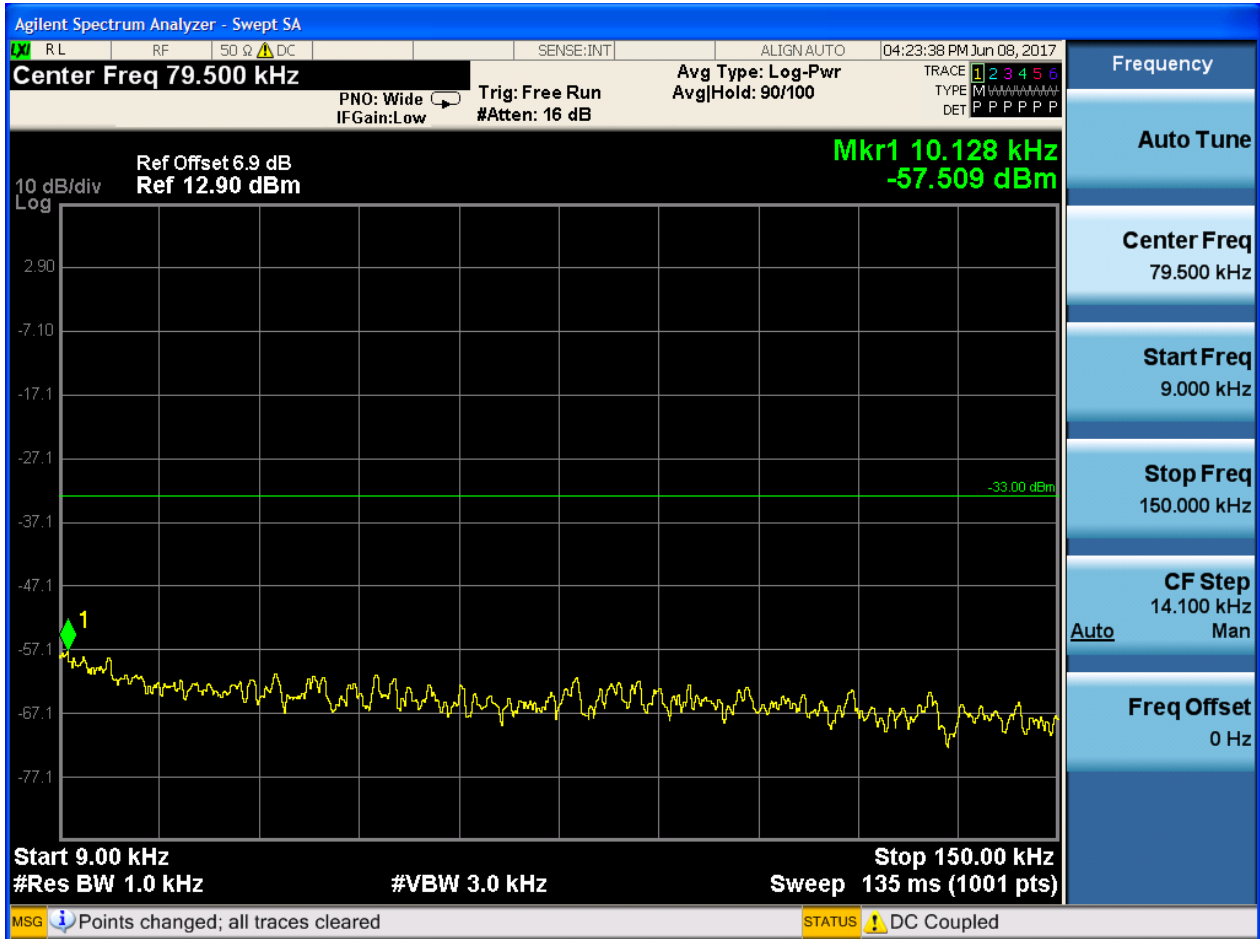


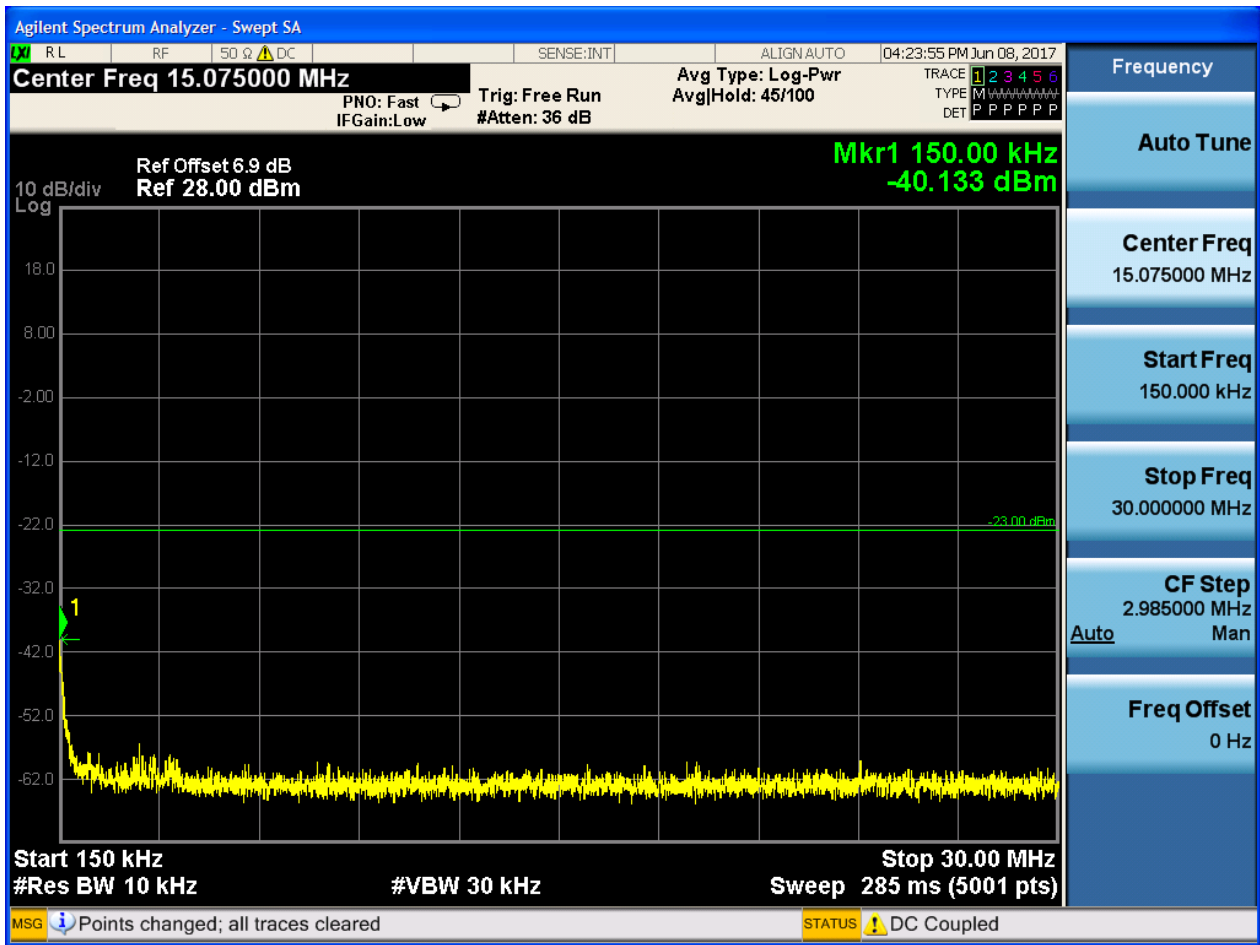


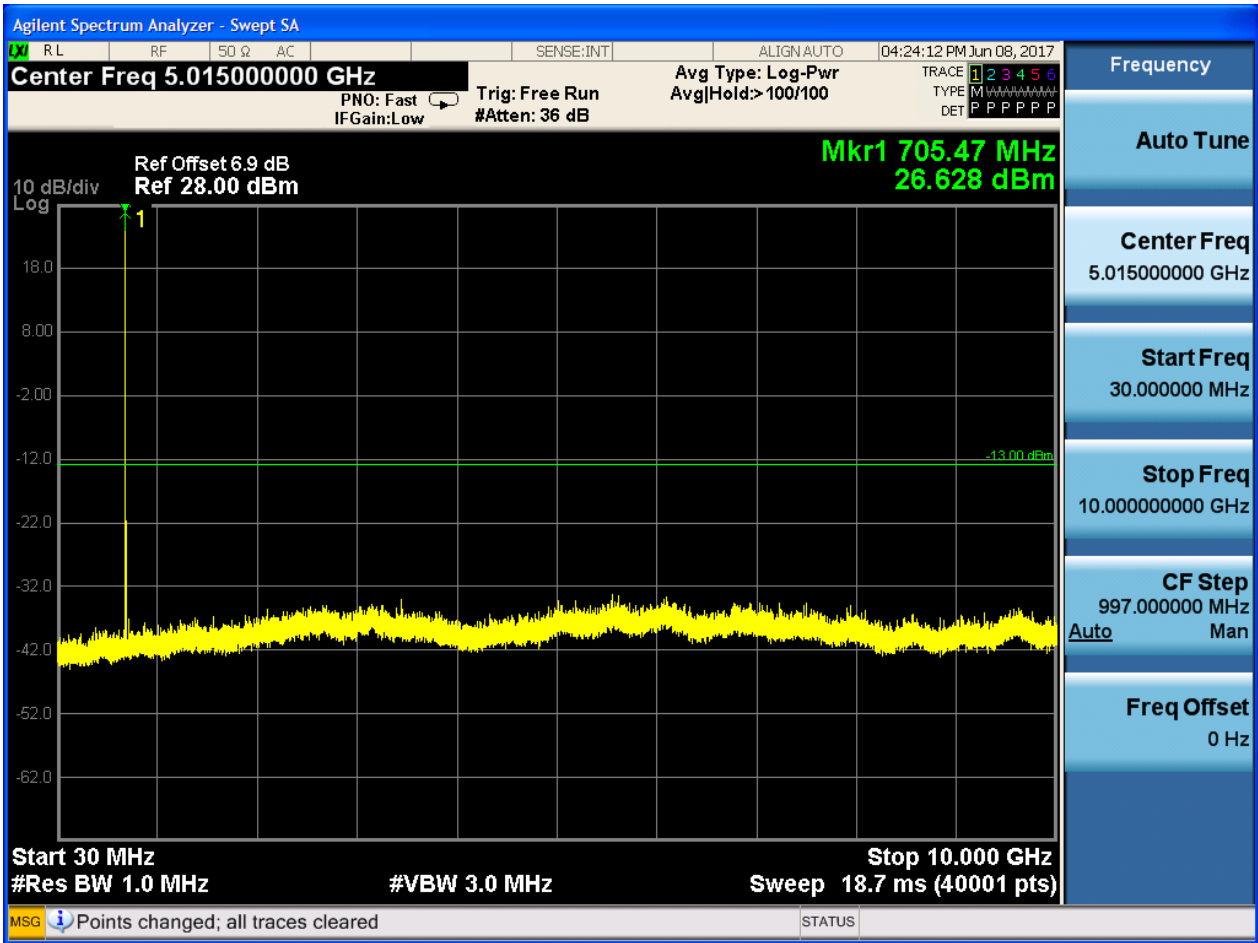


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



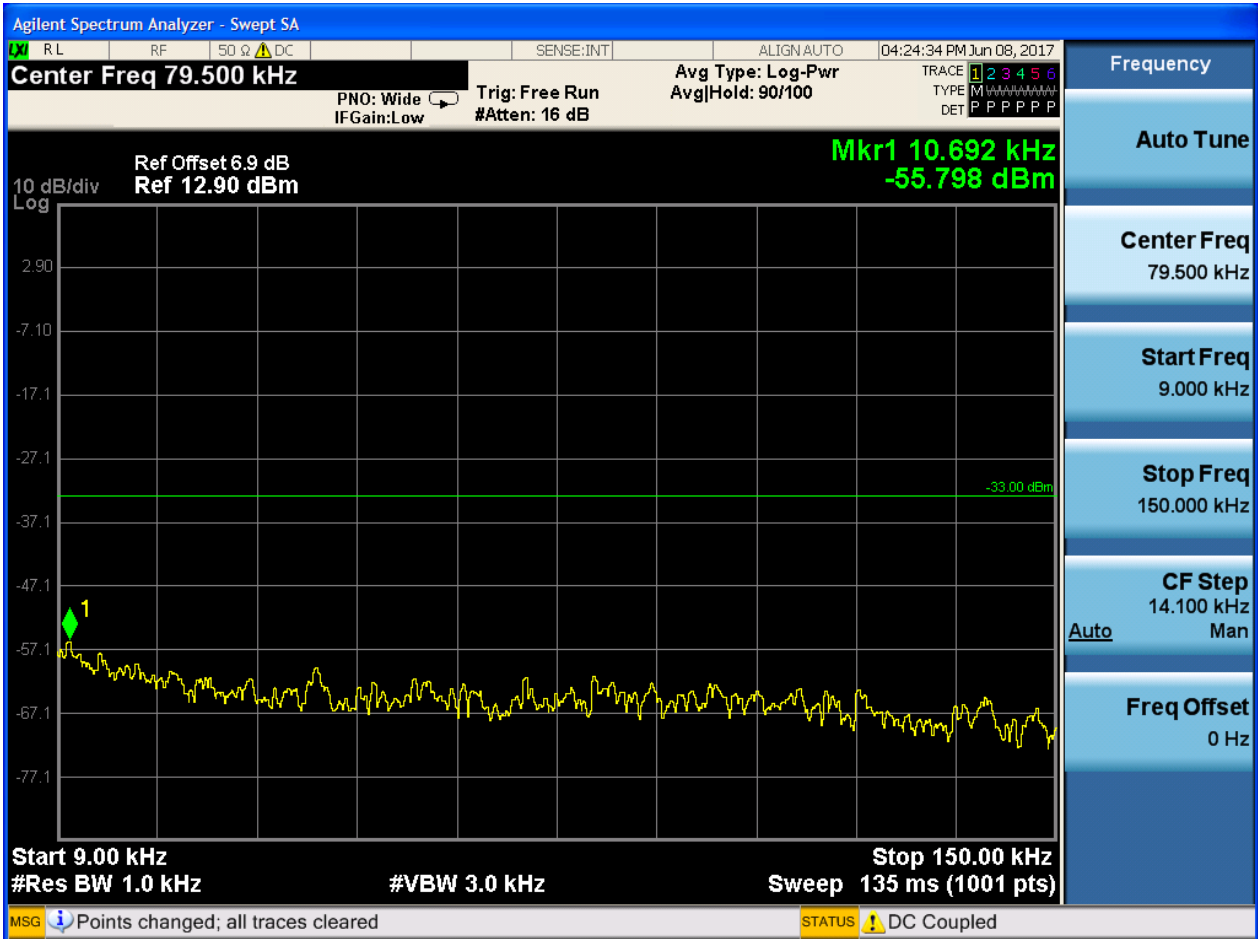


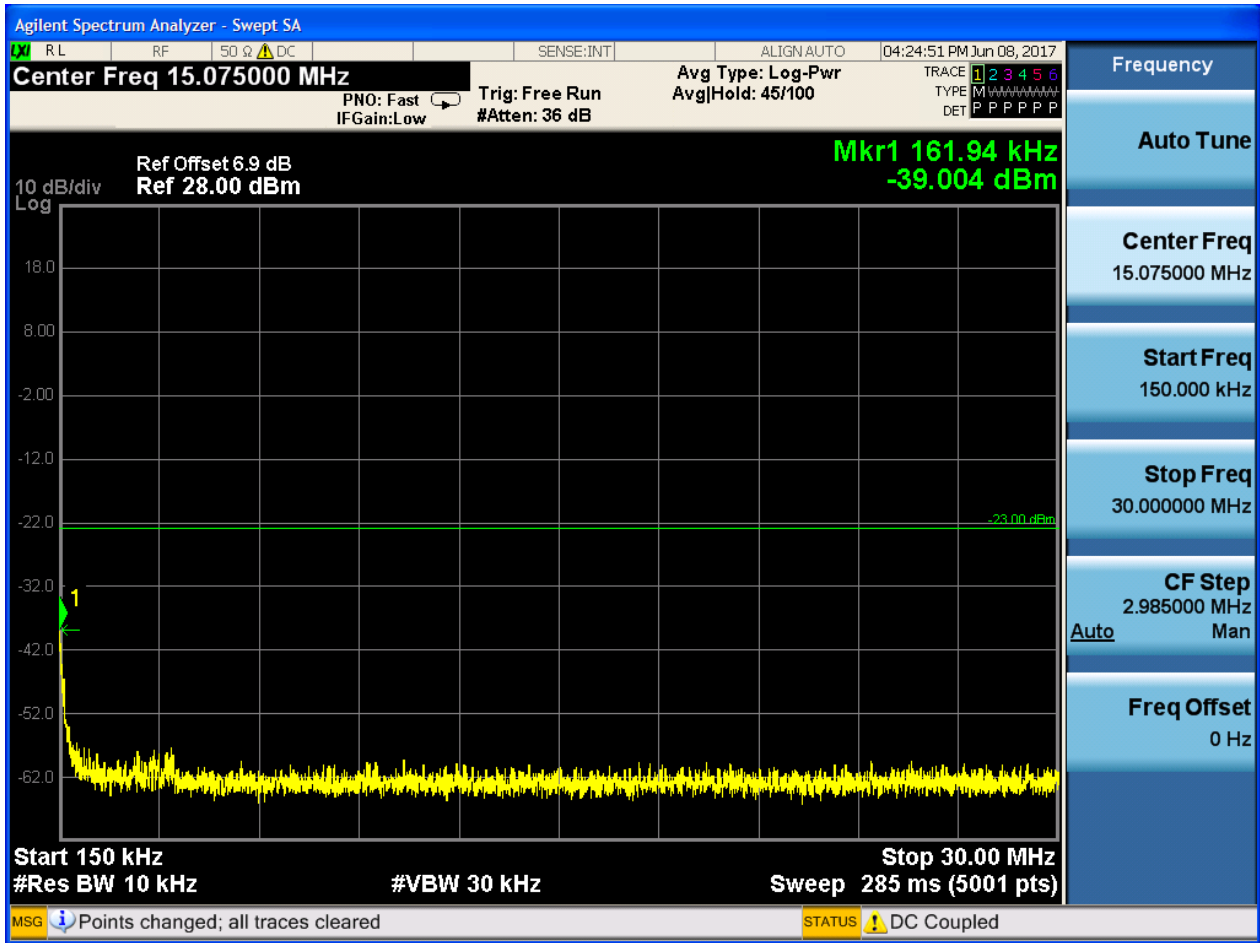


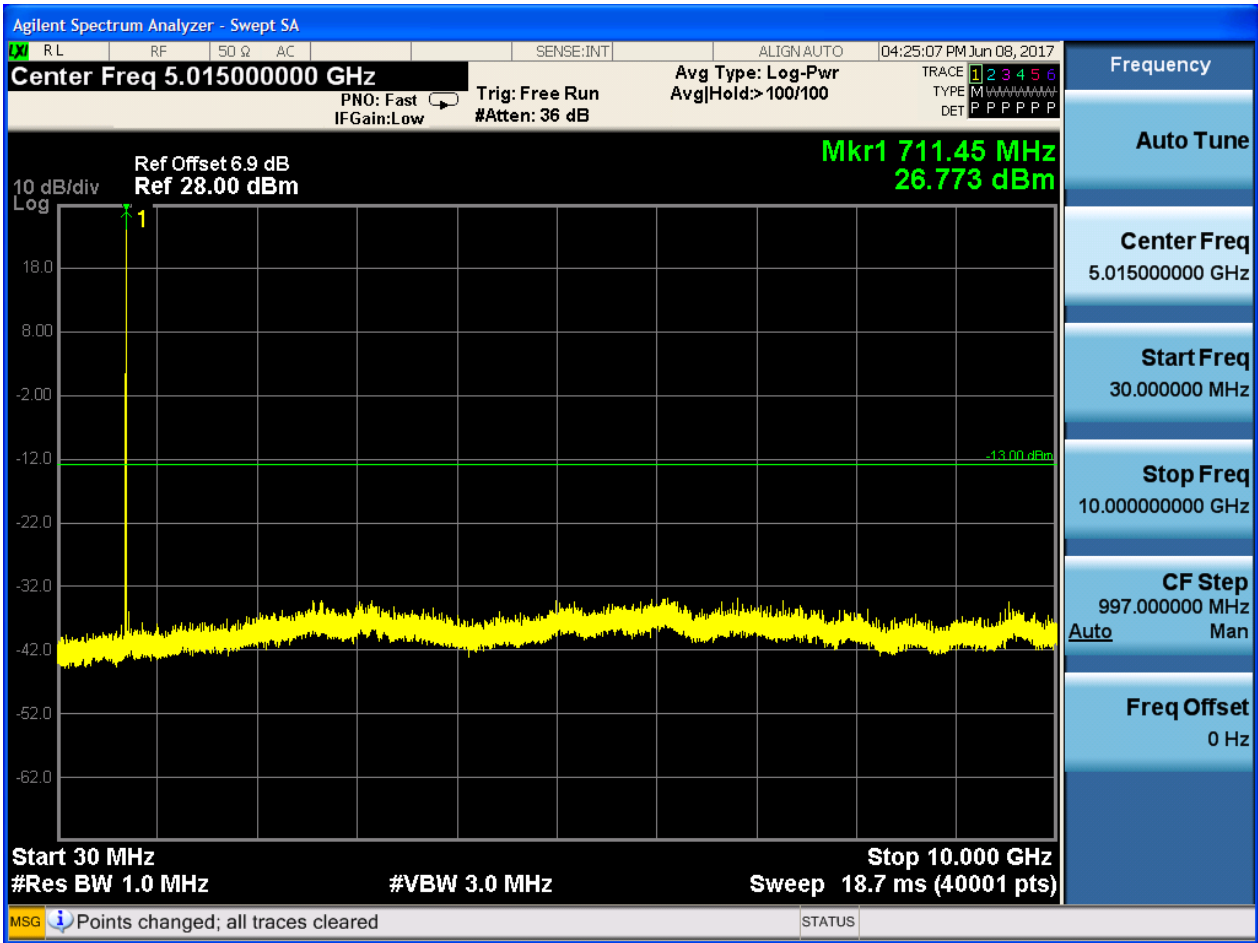


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





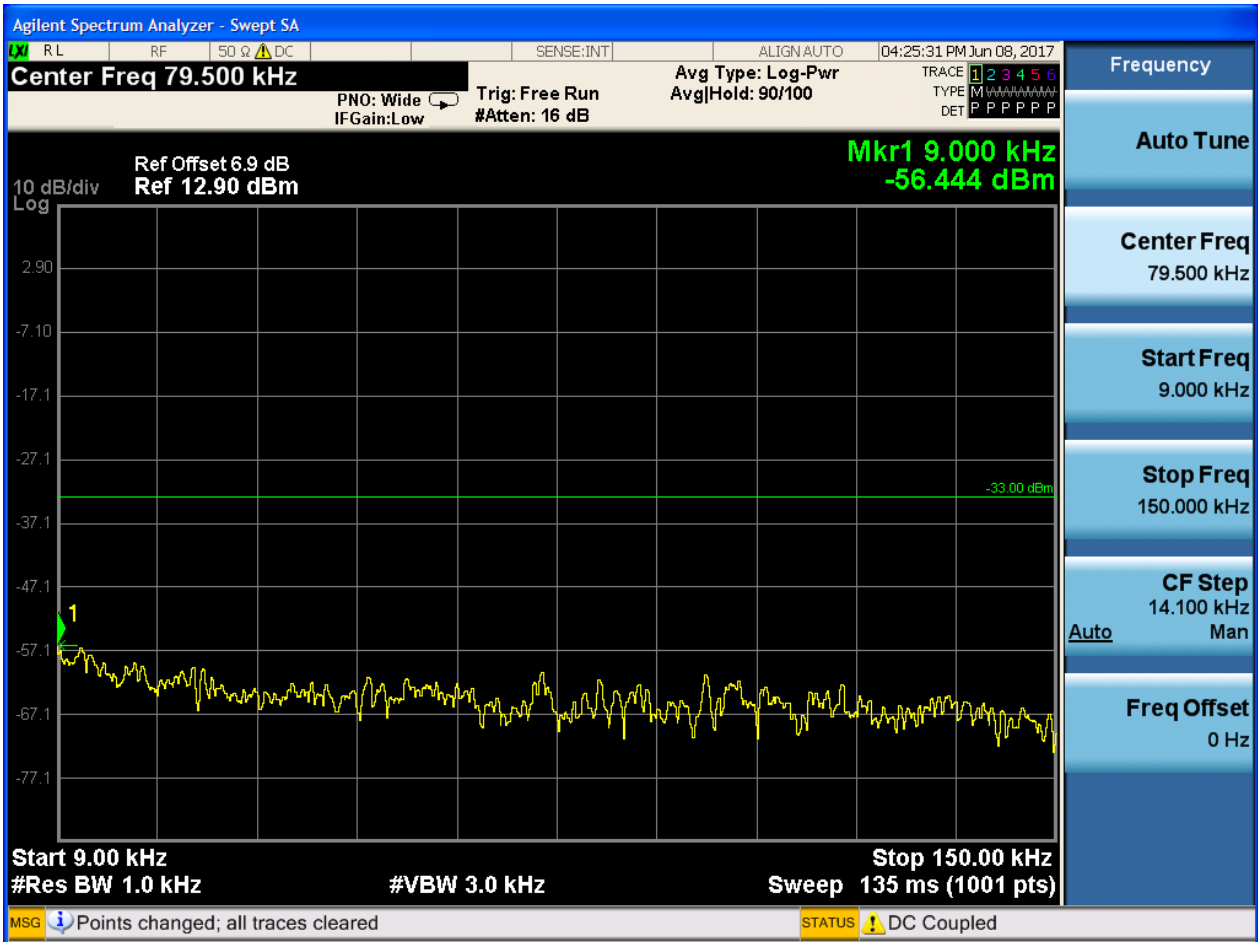


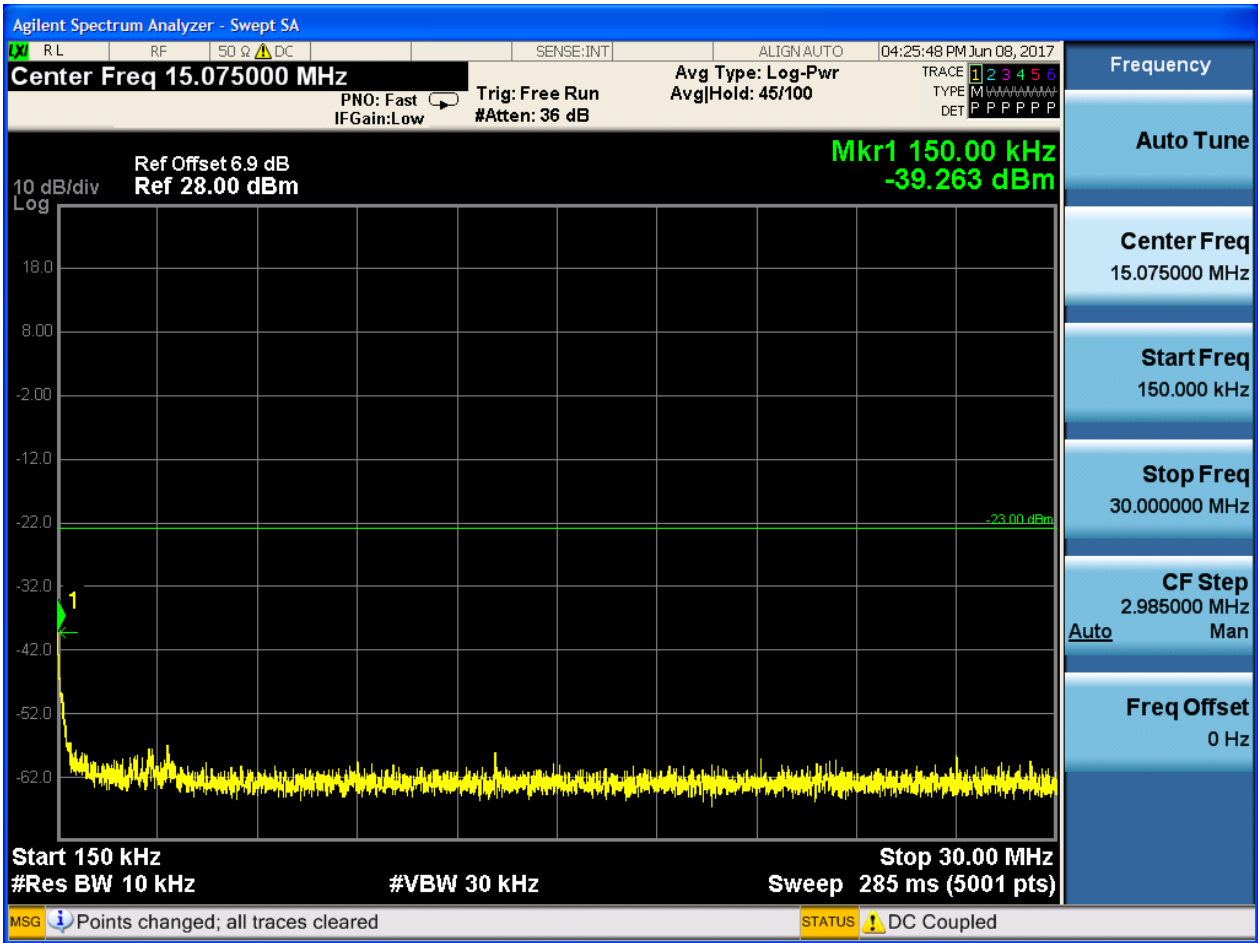


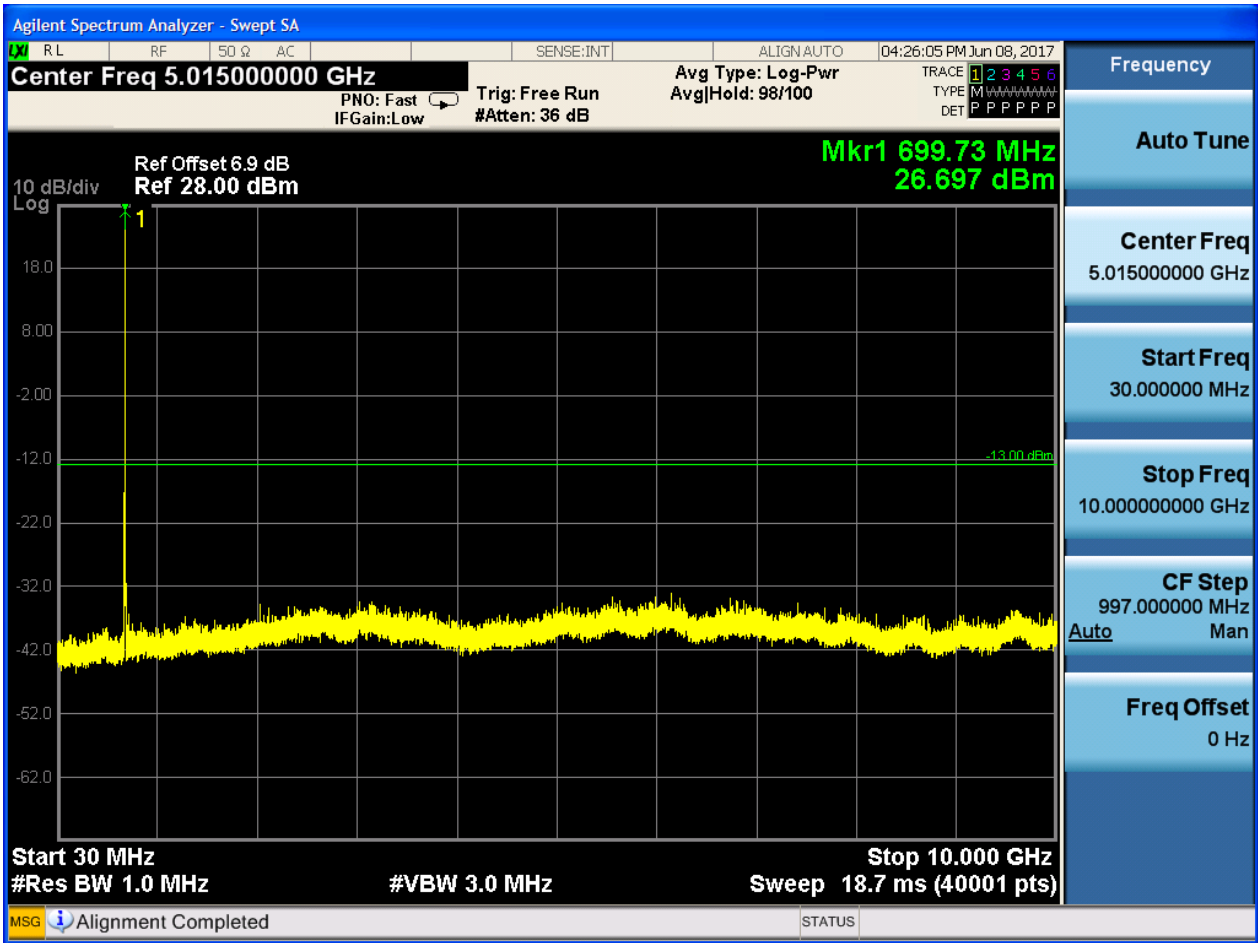
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



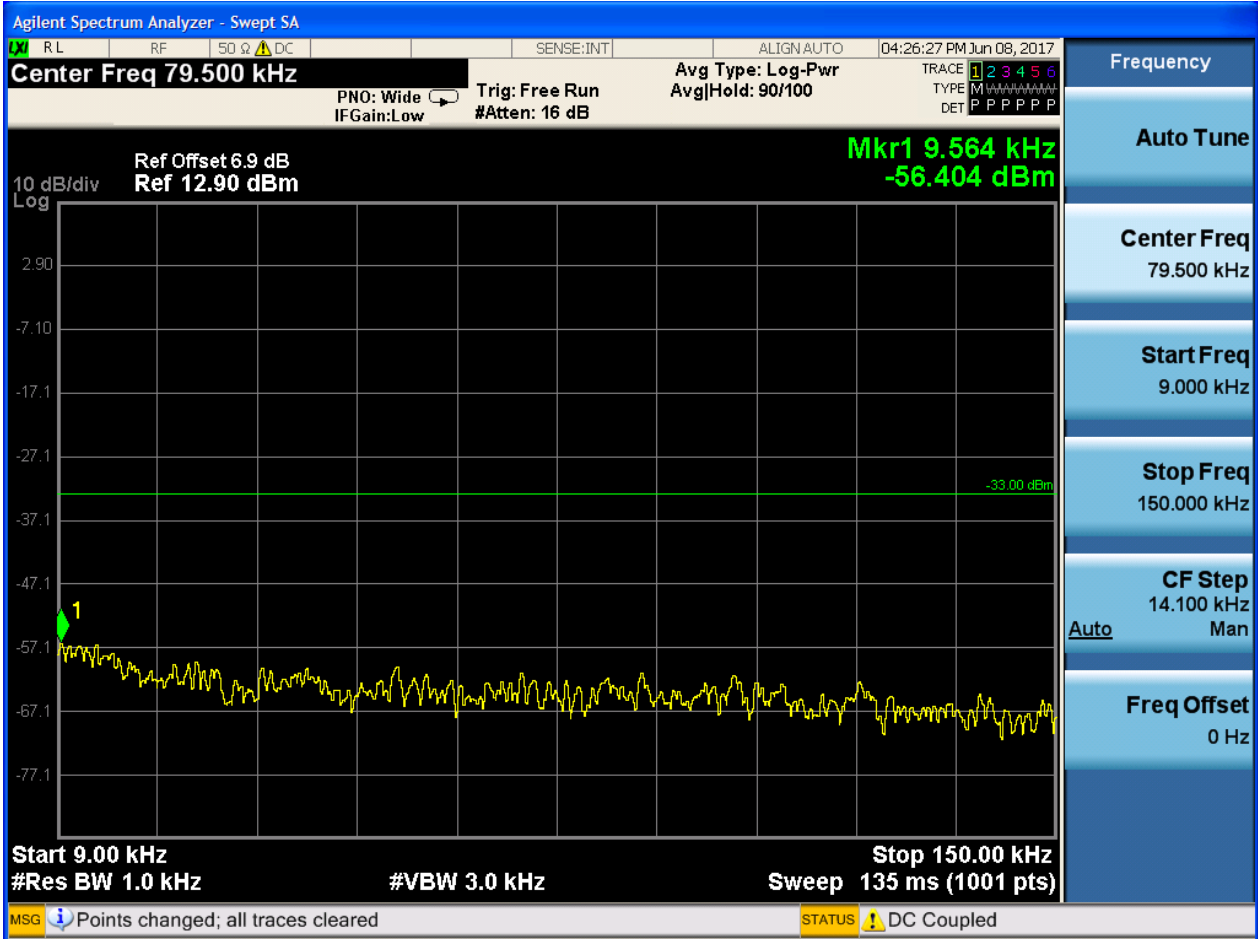


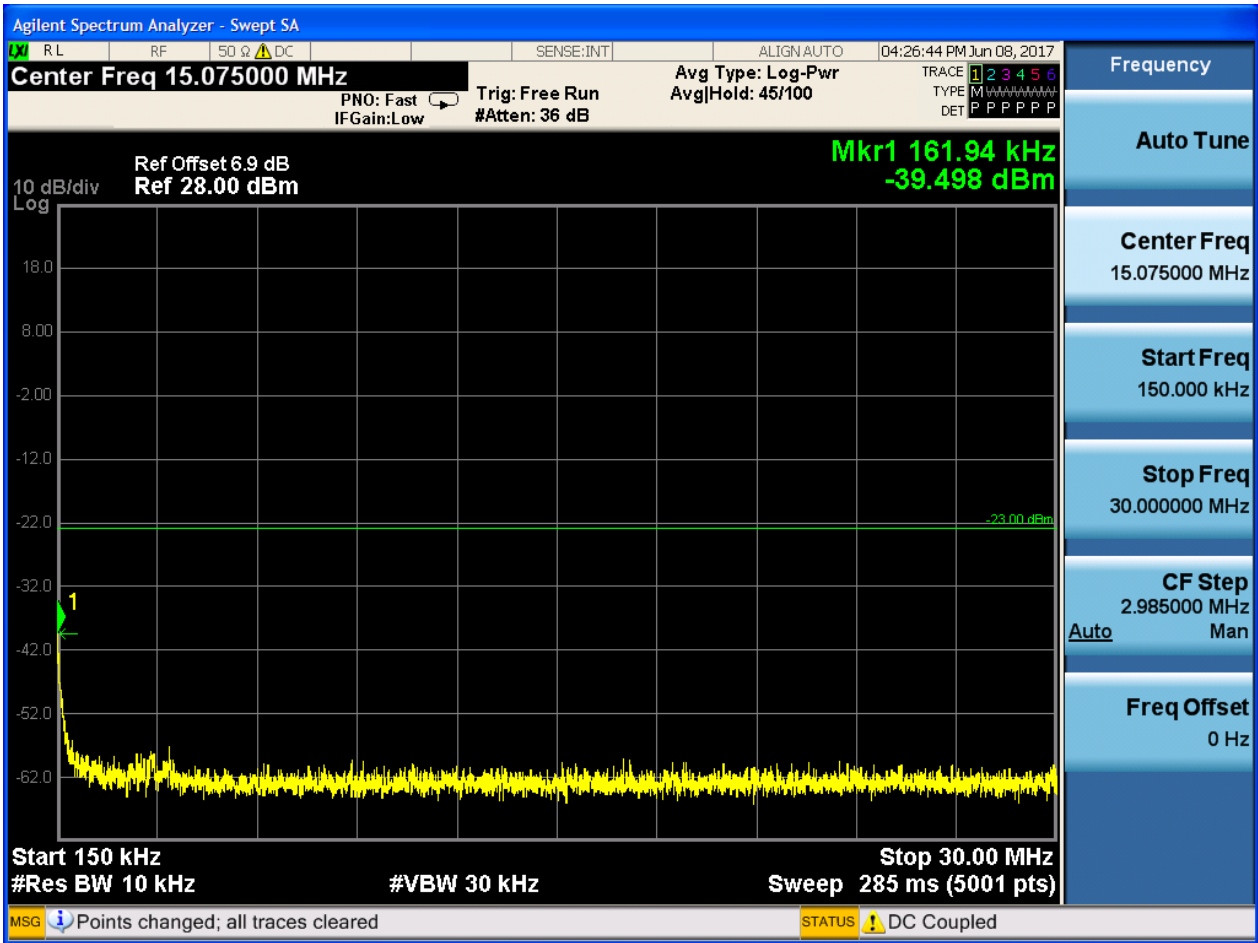


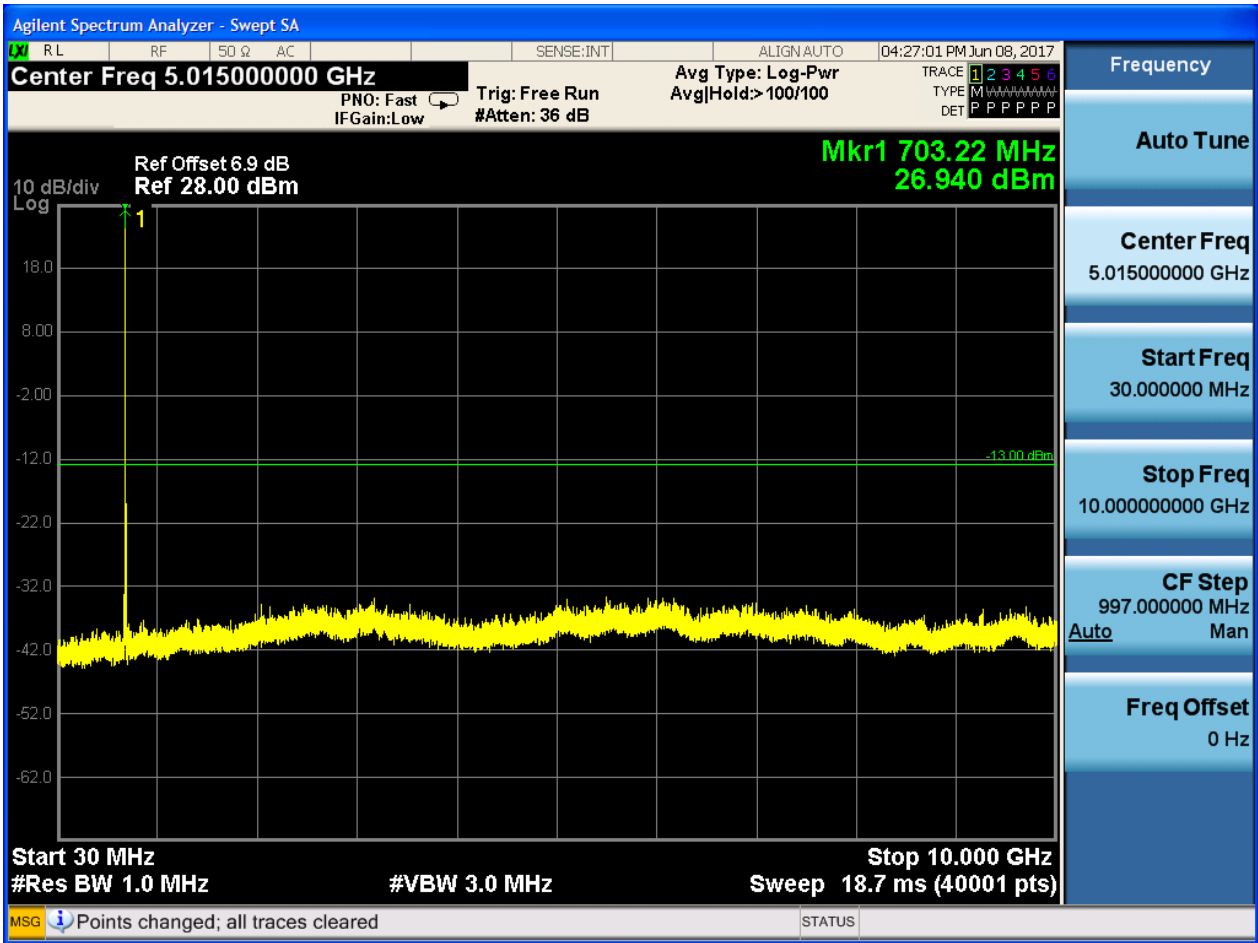


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



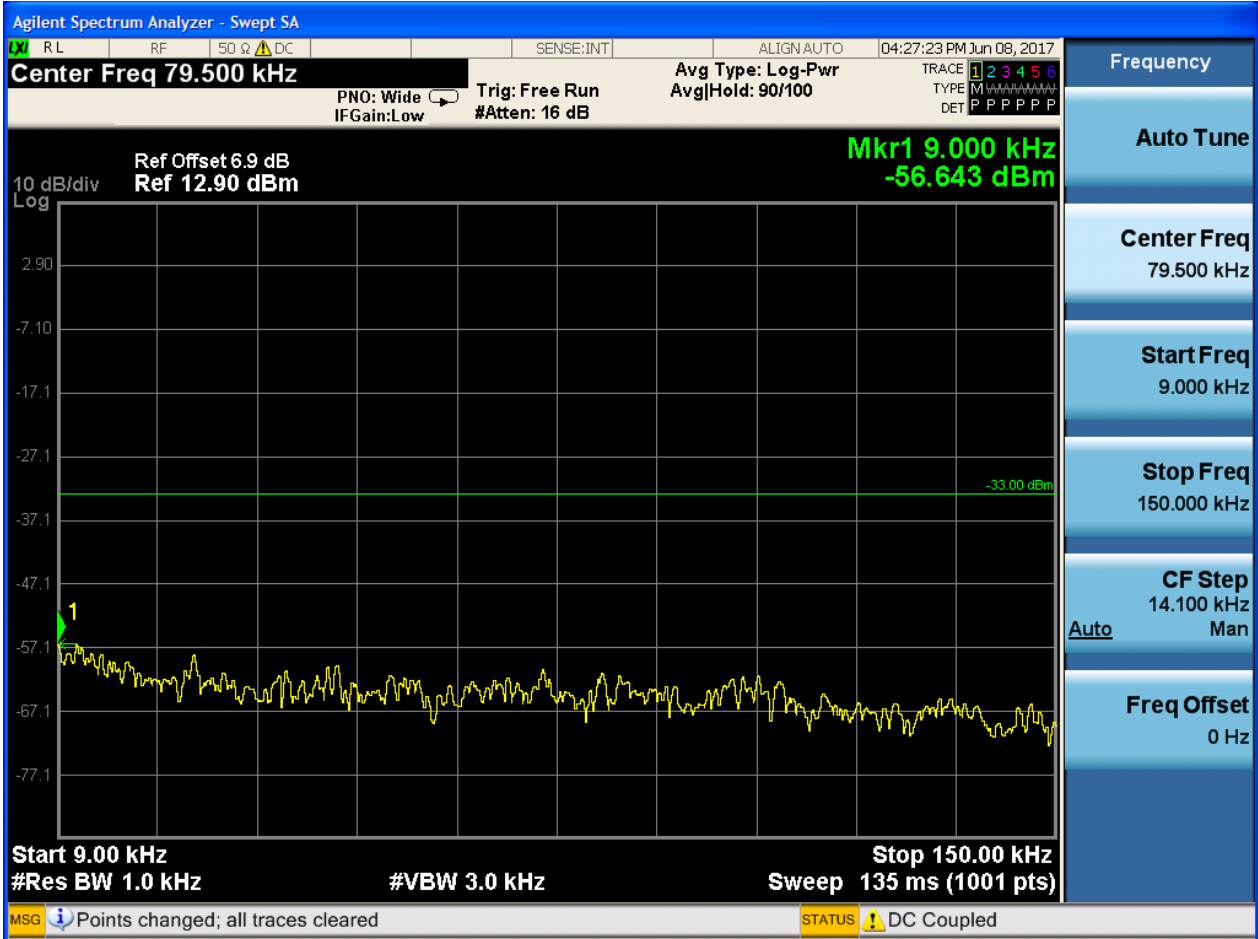


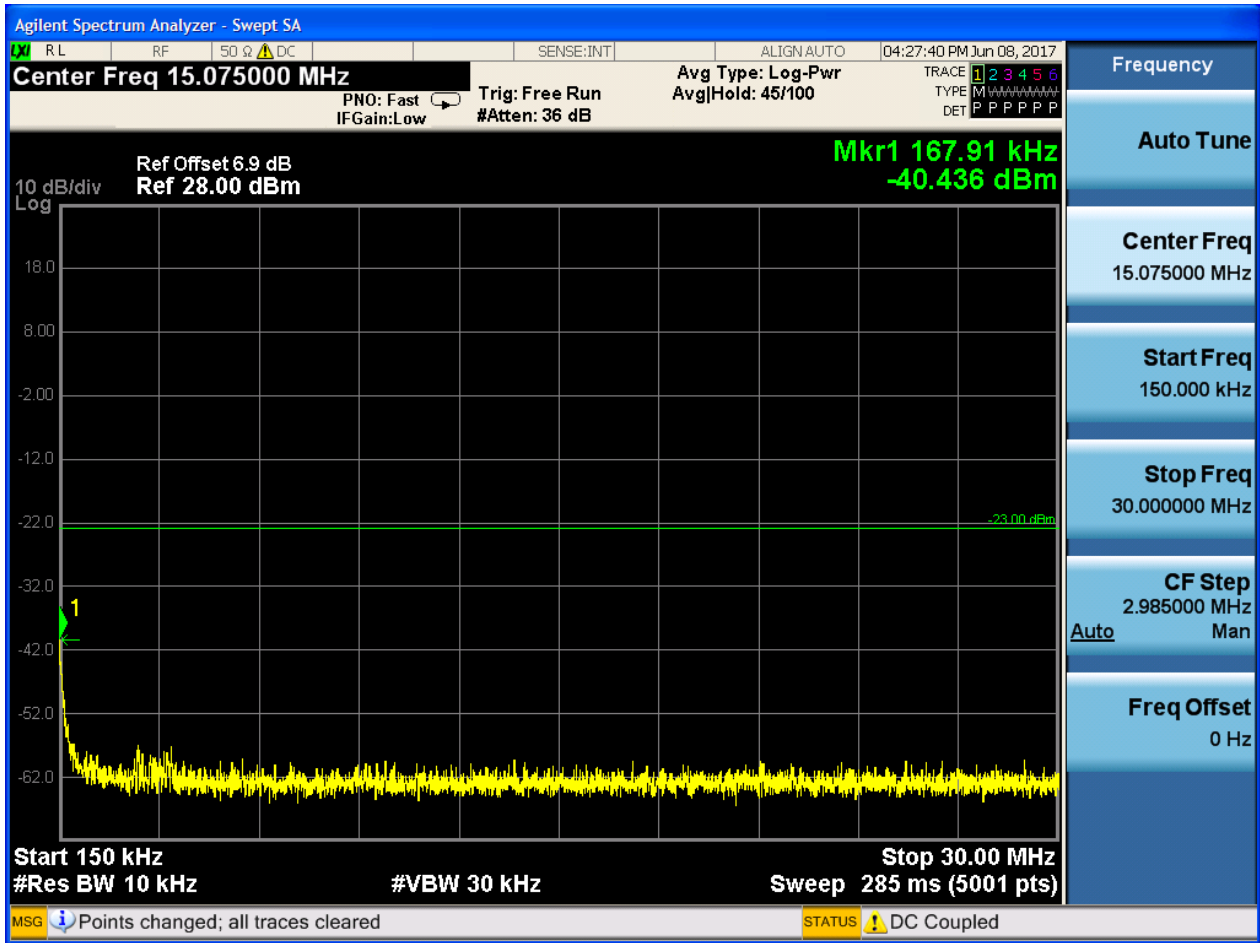


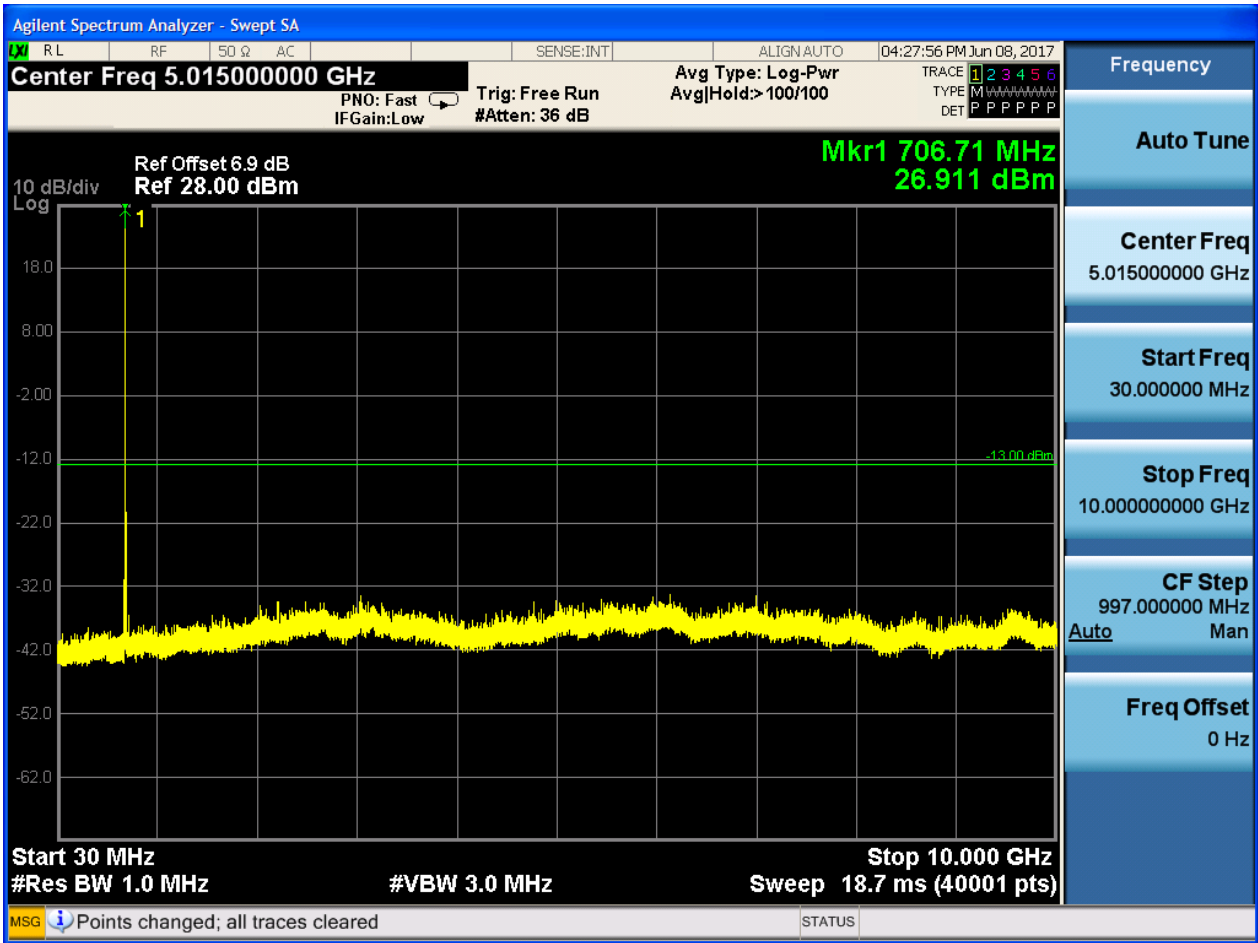


6.1.1.2.4.3 Test Channel = HCH

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

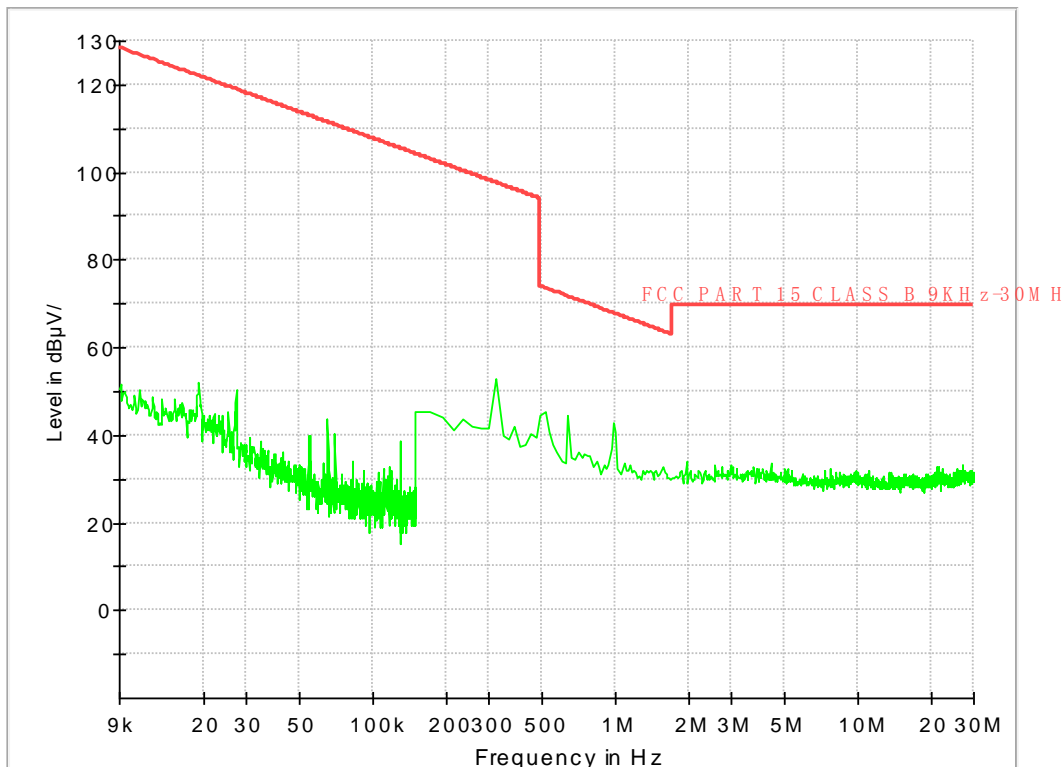
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

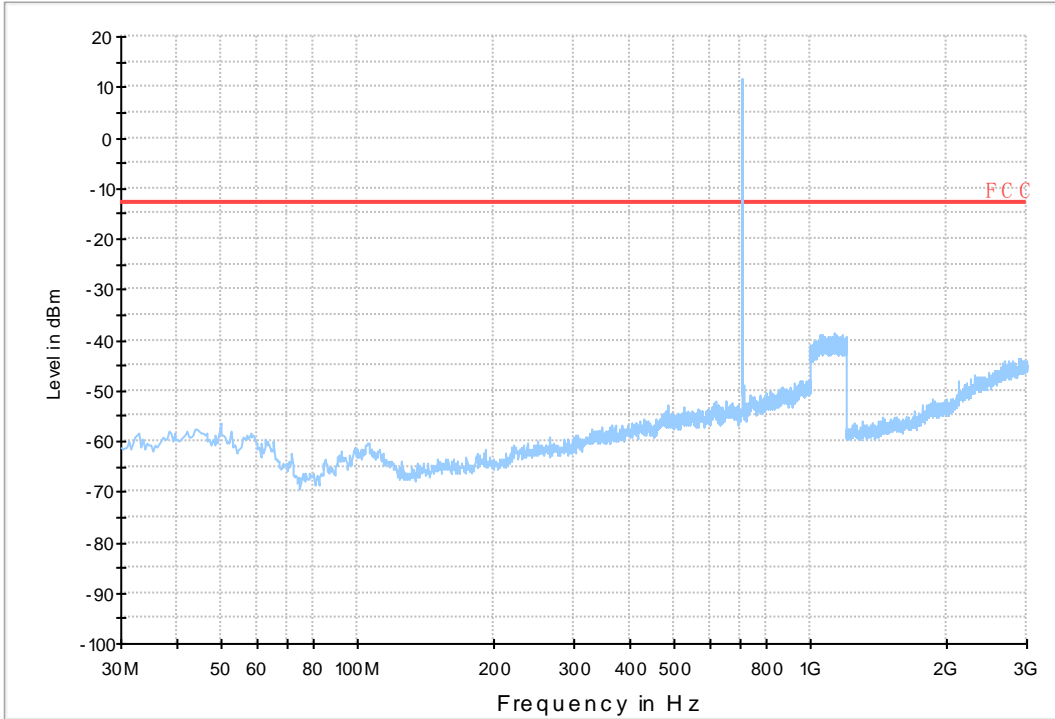
7.1 For LTE

7.1.1 Test Band = BAND12_Ant1

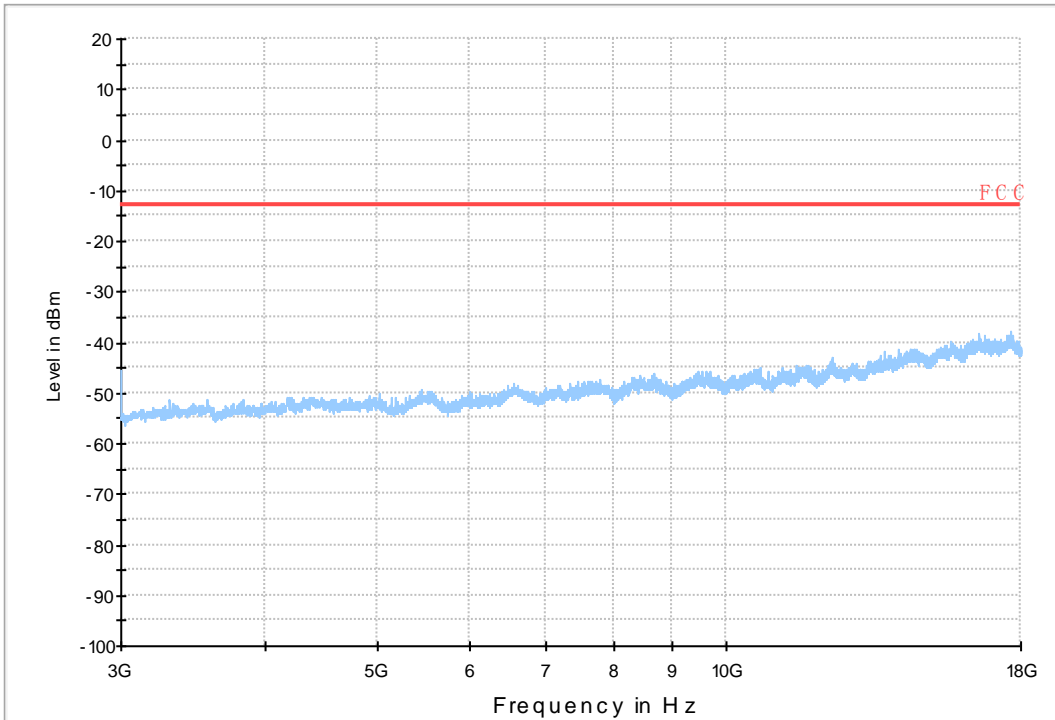
7.1.1.1 Test Bandwidth = 1.4



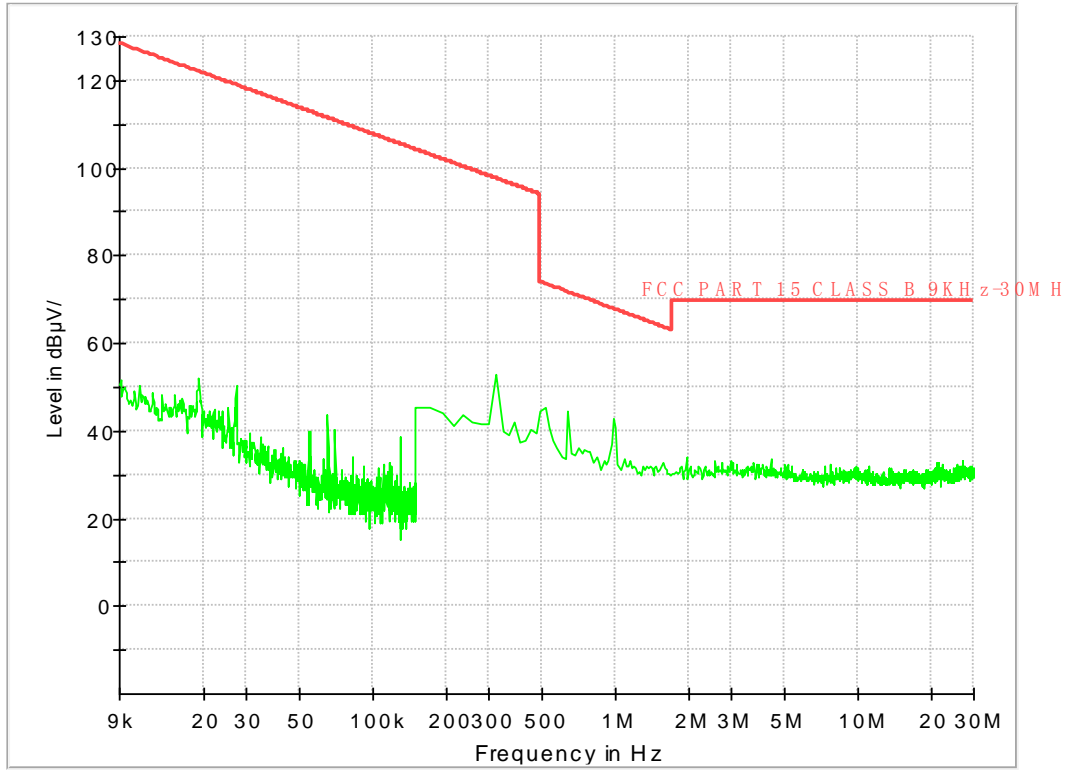
Copy of RSE-TX-DIRECTOR BELOW 1G_L



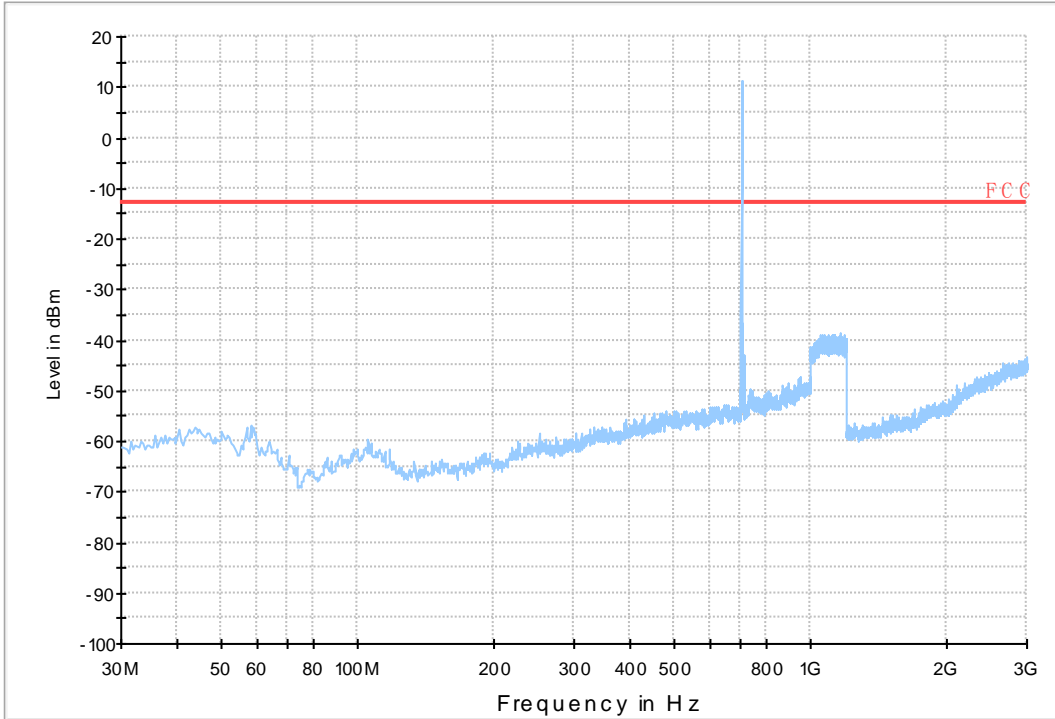
Copy of RSE-TX-DIRECTOR BELOW 1G_H



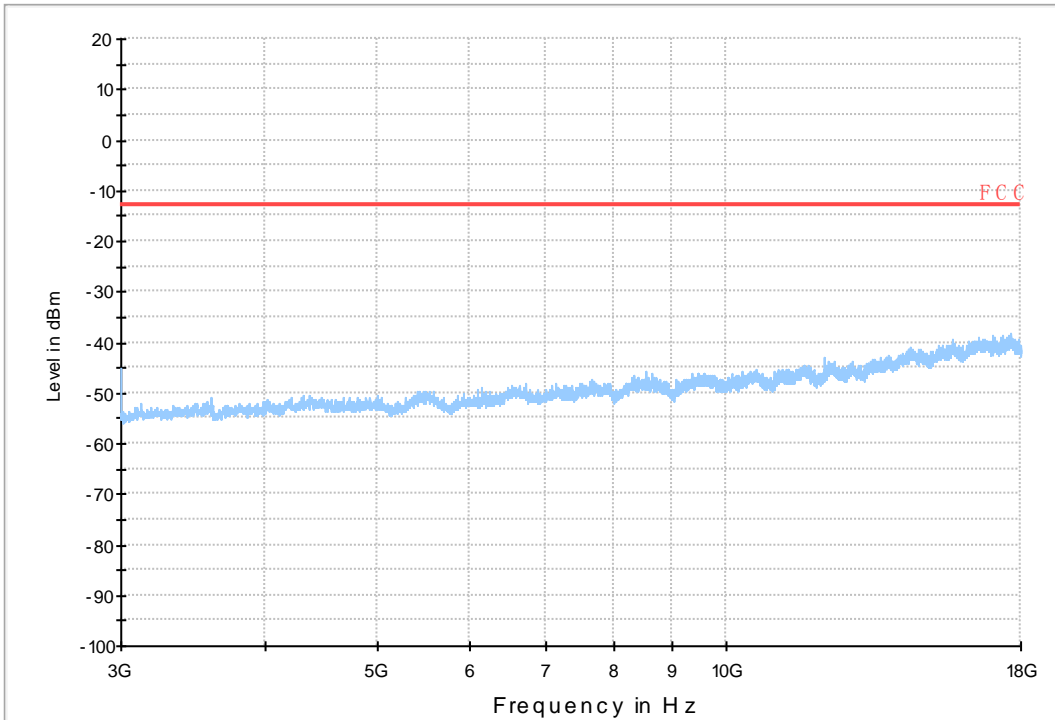
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H





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
BAND12	LTE/TM1	1.4	LCH	TN	VL	-0.83	-0.00119	PASS
					VN	-1.63	-0.00233	PASS
					VH	-1.04	-0.00149	PASS
			MCH	TN	VL	-1.27	-0.0018	PASS
					VN	-0.23	-0.00033	PASS
					VH	-1.09	-0.00154	PASS
			HCH	TN	VL	0.24	0.00034	PASS
					VN	0.16	0.00022	PASS
					VH	-0.57	-0.0008	PASS
		3	LCH	TN	VL	0.62	0.00089	PASS
					VN	-0.17	-0.00024	PASS
					VH	0.83	0.00118	PASS
			MCH	TN	VL	-1.53	-0.00216	PASS
					VN	-2.73	-0.00386	PASS
					VH	-0.49	-0.00069	PASS
			HCH	TN	VL	0.07	0.0001	PASS
					VN	-1.06	-0.00148	PASS
					VH	0.80	0.00112	PASS
		5	LCH	TN	VL	-0.17	-0.00024	PASS
					VN	-0.74	-0.00105	PASS
					VH	-0.11	-0.00016	PASS
			MCH	TN	VL	-2.22	-0.00314	PASS
					VN	-2.23	-0.00315	PASS
					VH	-2.03	-0.00287	PASS
			HCH	TN	VL	0.06	0.00008	PASS
					VN	1.24	0.00174	PASS
					VH	-0.96	-0.00135	PASS
		10	LCH	TN	VL	0.26	0.00037	PASS
					VN	-1.00	-0.00142	PASS
					VH	-0.69	-0.00098	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			MCH	TN	VL	-0.92	-0.0013	PASS	
					VN	-1.85	-0.00261	PASS	
					VH	-1.53	-0.00216	PASS	
			HCH	TN	VL	-1.83	-0.00257	PASS	
					VN	-1.20	-0.00169	PASS	
					VH	-2.32	-0.00326	PASS	
		1.4	LCH	TN	VL	-1.90	-0.00272	PASS	
					VN	-1.06	-0.00151	PASS	
					VH	-2.50	-0.00357	PASS	
			MCH	TN	VL	-0.27	-0.00038	PASS	
					VN	0.49	0.00069	PASS	
					VH	-0.39	-0.00055	PASS	
			HCH	TN	VL	-1.27	-0.00178	PASS	
					VN	-0.29	-0.00041	PASS	
					VH	-0.96	-0.00134	PASS	
			3	LCH	TN	VL	-1.03	-0.00147	PASS
						VN	-1.46	-0.00208	PASS
						VH	-1.39	-0.00198	PASS
	MCH	TN		VL	-1.76	-0.00249	PASS		
				VN	-2.66	-0.00376	PASS		
				VH	-2.73	-0.00386	PASS		
	HCH	TN		VL	-1.10	-0.00154	PASS		
				VN	-0.04	-0.00006	PASS		
				VH	-1.06	-0.00148	PASS		
	5	LCH	TN	VL	-0.64	-0.00091	PASS		
				VN	-0.43	-0.00061	PASS		
				VH	-0.62	-0.00088	PASS		
		MCH	TN	VL	-1.22	-0.00172	PASS		
				VN	0.10	0.00014	PASS		
				VH	-0.99	-0.0014	PASS		
		HCH	TN	VL	-0.54	-0.00076	PASS		
				VN	-0.17	-0.00024	PASS		
				VH	-0.59	-0.00083	PASS		
	10	LCH	TN	VL	0.34	0.00048	PASS		
				VN	-0.50	-0.00071	PASS		
				VH	-0.69	-0.00098	PASS		
		MCH	TN	VL	-1.00	-0.00141	PASS		
				VN	-0.70	-0.00099	PASS		
				VH	-0.92	-0.0013	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	-2.20	-0.00309	PASS
					VN	-1.44	-0.00203	PASS
					VH	-1.67	-0.00235	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
BAND12	LTE/TM1	1.4	LCH	VN	-30	-1.23	-0.00176	PASS
					-20	0.06	0.00009	PASS
					-10	-0.56	-0.0008	PASS
					0	-0.23	-0.00033	PASS
					10	-1.83	-0.00262	PASS
					20	-0.51	-0.00073	PASS
					30	0.09	0.00013	PASS
					40	-0.16	-0.00023	PASS
					50	-1.06	-0.00151	PASS
			MCH	VN	-30	-0.07	-0.0001	PASS
					-20	0.09	0.00013	PASS
					-10	-0.50	-0.00071	PASS
					0	-0.54	-0.00076	PASS
					10	-0.70	-0.00099	PASS
					20	0.44	0.00062	PASS
					30	-0.80	-0.00113	PASS
					40	0.01	0.00001	PASS
					50	-0.79	-0.00112	PASS
		HCH	VN	-30	-1.63	-0.00228	PASS	
				-20	-1.06	-0.00148	PASS	
				-10	-0.33	-0.00046	PASS	
				0	0.86	0.0012	PASS	
				10	-1.23	-0.00172	PASS	
				20	-0.54	-0.00075	PASS	
				30	-0.49	-0.00069	PASS	
				40	-0.80	-0.00112	PASS	
				50	-0.69	-0.00096	PASS	
3	LCH	VN	-30	0.30	0.00043	PASS		
			-20	0.76	0.00108	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					-10	-0.69	-0.00099	PASS			
					0	-0.47	-0.00067	PASS			
					10	-1.90	-0.00271	PASS			
					20	-0.41	-0.00059	PASS			
					30	-0.69	-0.00099	PASS			
					40	0.64	0.00091	PASS			
					50	-1.06	-0.00151	PASS			
			MCH	VN				-30	0.14	0.0002	PASS
								-20	-0.62	-0.00088	PASS
								-10	-0.49	-0.00069	PASS
								0	-1.04	-0.00147	PASS
								10	-0.37	-0.00052	PASS
								20	-0.82	-0.00116	PASS
								30	-1.03	-0.00146	PASS
			HCH	VN				40	-0.94	-0.00133	PASS
								50	-0.41	-0.00058	PASS
								-30	-1.32	-0.00185	PASS
								-20	-0.26	-0.00036	PASS
								-10	-0.33	-0.00046	PASS
								0	-0.44	-0.00062	PASS
		10						-0.63	-0.00088	PASS	
		LCH	VN	5			20	-0.11	-0.00015	PASS	
							30	0.10	0.00014	PASS	
							40	-0.21	-0.00029	PASS	
							50	0.26	0.00036	PASS	
							-30	-0.17	-0.00024	PASS	
							-20	-1.36	-0.00194	PASS	
							-10	0.19	0.00027	PASS	
		MCH	VN	5			0	-0.13	-0.00019	PASS	
							10	-0.47	-0.00067	PASS	
							20	-1.09	-0.00155	PASS	
							30	-0.66	-0.00094	PASS	
							40	-0.13	-0.00019	PASS	
							50	-0.10	-0.00014	PASS	
							-30	-1.24	-0.00175	PASS	
							-20	-1.06	-0.0015	PASS	
							-10	-1.70	-0.0024	PASS	
							0	-1.33	-0.00188	PASS	
							10	-0.87	-0.00123	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-1.62	-0.00229	PASS		
					30	-0.82	-0.00116	PASS		
					40	-0.21	-0.0003	PASS		
					50	0.01	0.00001	PASS		
			HCH	VN	-30	-0.59	-0.00083	PASS		
					-20	-1.12	-0.00157	PASS		
					-10	-0.59	-0.00083	PASS		
					0	-1.56	-0.00219	PASS		
					10	-0.76	-0.00107	PASS		
					20	-1.43	-0.002	PASS		
					30	-0.27	-0.00038	PASS		
					40	-0.72	-0.00101	PASS		
					50	-0.67	-0.00094	PASS		
					LCH	VN	-30	-0.69	-0.00098	PASS
							-20	-0.82	-0.00116	PASS
							-10	-1.09	-0.00155	PASS
		0	-0.94	-0.00134			PASS			
		10	0.04	0.00006			PASS			
		20	-0.30	-0.00043			PASS			
		30	-0.97	-0.00138			PASS			
		40	-0.31	-0.00044			PASS			
		MCH	VN	-30	-1.22	-0.00172	PASS			
				-20	-1.22	-0.00172	PASS			
				-10	-0.97	-0.00137	PASS			
				0	-0.47	-0.00066	PASS			
				10	-0.64	-0.0009	PASS			
				20	-0.46	-0.00065	PASS			
				30	-0.27	-0.00038	PASS			
				40	-0.21	-0.0003	PASS			
		HCH	VN	-30	-3.58	-0.00504	PASS			
				-20	-3.02	-0.00425	PASS			
				-10	-4.18	-0.00588	PASS			
				0	-3.50	-0.00492	PASS			
				10	-3.35	-0.00471	PASS			
				20	-3.78	-0.00532	PASS			
				30	-3.76	-0.00529	PASS			
				40	-3.00	-0.00422	PASS			
		10					-30	-0.69	-0.00098	PASS
							-20	-0.82	-0.00116	PASS
							-10	-1.09	-0.00155	PASS
0	-0.94						-0.00134	PASS		
10	0.04						0.00006	PASS		
20	-0.30						-0.00043	PASS		
30	-0.97						-0.00138	PASS		
40	-0.31						-0.00044	PASS		
							-30	-1.22	-0.00172	PASS
							-20	-1.22	-0.00172	PASS
							-10	-0.97	-0.00137	PASS
							0	-0.47	-0.00066	PASS
							10	-0.64	-0.0009	PASS
							20	-0.46	-0.00065	PASS
							30	-0.27	-0.00038	PASS
							40	-0.21	-0.0003	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	LCH	VN	50	-3.71	-0.00522	PASS
					-30	0.03	0.00004	PASS
					-20	-0.03	-0.00004	PASS
					-10	-0.90	-0.00129	PASS
					0	-0.63	-0.0009	PASS
					10	0.30	0.00043	PASS
					20	-1.02	-0.00146	PASS
					30	-0.49	-0.0007	PASS
					40	0.14	0.0002	PASS
			50	-1.33	-0.0019	PASS		
			MCH	VN	-30	-1.09	-0.00154	PASS
					-20	0.06	0.00008	PASS
					-10	0.11	0.00016	PASS
					0	-0.79	-0.00112	PASS
					10	-0.04	-0.00006	PASS
					20	-1.32	-0.00187	PASS
					30	0.04	0.00006	PASS
					40	-0.16	-0.00023	PASS
		50			-0.31	-0.00044	PASS	
		HCH	VN	-30	-1.29	-0.0018	PASS	
				-20	-0.47	-0.00066	PASS	
				-10	-0.57	-0.0008	PASS	
				0	-0.76	-0.00106	PASS	
				10	-1.03	-0.00144	PASS	
				20	-1.03	-0.00144	PASS	
				30	-0.46	-0.00064	PASS	
				40	0.31	0.00043	PASS	
				50	-0.34	-0.00048	PASS	
		3	LCH	VN	-30	-0.20	-0.00029	PASS
					-20	-0.87	-0.00124	PASS
					-10	-1.54	-0.0022	PASS
					0	-1.59	-0.00227	PASS
					10	-1.33	-0.0019	PASS
					20	-1.34	-0.00191	PASS
					30	-1.26	-0.0018	PASS
					40	-0.03	-0.00004	PASS
50	-1.63				-0.00233	PASS		
MCH	VN		-30	-1.30	-0.00184	PASS		
			-20	-0.57	-0.00081	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-0.83	-0.00117	PASS
					0	-1.02	-0.00144	PASS
					10	0.51	0.00072	PASS
					20	-0.29	-0.00041	PASS
					30	-0.57	-0.00081	PASS
					40	-0.76	-0.00107	PASS
					50	-0.70	-0.00099	PASS
			HCH	VN	-30	-0.66	-0.00092	PASS
					-20	-0.03	-0.00004	PASS
					-10	-0.54	-0.00076	PASS
					0	-1.02	-0.00143	PASS
					10	0.16	0.00022	PASS
					20	-1.62	-0.00227	PASS
					30	-0.37	-0.00052	PASS
					40	-0.84	-0.00118	PASS
		5	LCH	VN	-30	-0.49	-0.0007	PASS
					-20	-0.67	-0.00096	PASS
					-10	0.54	0.00077	PASS
					0	-1.07	-0.00153	PASS
					10	-1.40	-0.002	PASS
					20	-1.16	-0.00165	PASS
					30	-1.02	-0.00145	PASS
					40	-1.60	-0.00228	PASS
			MCH	VN	-30	-1.22	-0.00172	PASS
					-20	-1.04	-0.00147	PASS
					-10	-0.46	-0.00065	PASS
					0	-0.74	-0.00105	PASS
					10	-1.96	-0.00277	PASS
					20	-2.13	-0.00301	PASS
					30	-0.99	-0.0014	PASS
		HCH	VN	-30	-0.40	-0.00056	PASS	
				-20	-1.19	-0.00167	PASS	
				-10	-1.10	-0.00154	PASS	
				0	-0.90	-0.00126	PASS	
				10	-1.27	-0.00178	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					20	-0.72	-0.00101	PASS			
					30	-1.37	-0.00192	PASS			
					40	-0.82	-0.00115	PASS			
					50	-1.33	-0.00186	PASS			
		10		LCH	VN	-30	-0.09	-0.00013	PASS		
						-20	-0.04	-0.00006	PASS		
						-10	-0.62	-0.00088	PASS		
						0	-0.31	-0.00044	PASS		
						10	-0.54	-0.00077	PASS		
						20	-0.77	-0.00109	PASS		
						30	-0.80	-0.00114	PASS		
						40	-0.06	-0.00009	PASS		
						50	-0.90	-0.00128	PASS		
						MCH	VN	-30	-1.19	-0.00168	PASS
								-20	-0.43	-0.00061	PASS
								-10	-1.07	-0.00151	PASS
								0	-0.89	-0.00126	PASS
								10	-1.00	-0.00141	PASS
								20	-0.87	-0.00123	PASS
								30	-0.59	-0.00083	PASS
				40	-0.73			-0.00103	PASS		
				HCH	VN	-30	-1.52	-0.00214	PASS		
						-20	-1.34	-0.00188	PASS		
						-10	-2.00	-0.00281	PASS		
						0	-2.17	-0.00305	PASS		
						10	-2.12	-0.00298	PASS		
						20	-1.69	-0.00238	PASS		
						30	-0.99	-0.00139	PASS		
						40	-2.16	-0.00304	PASS		
				50	-1.60	-0.00225	PASS				

END