



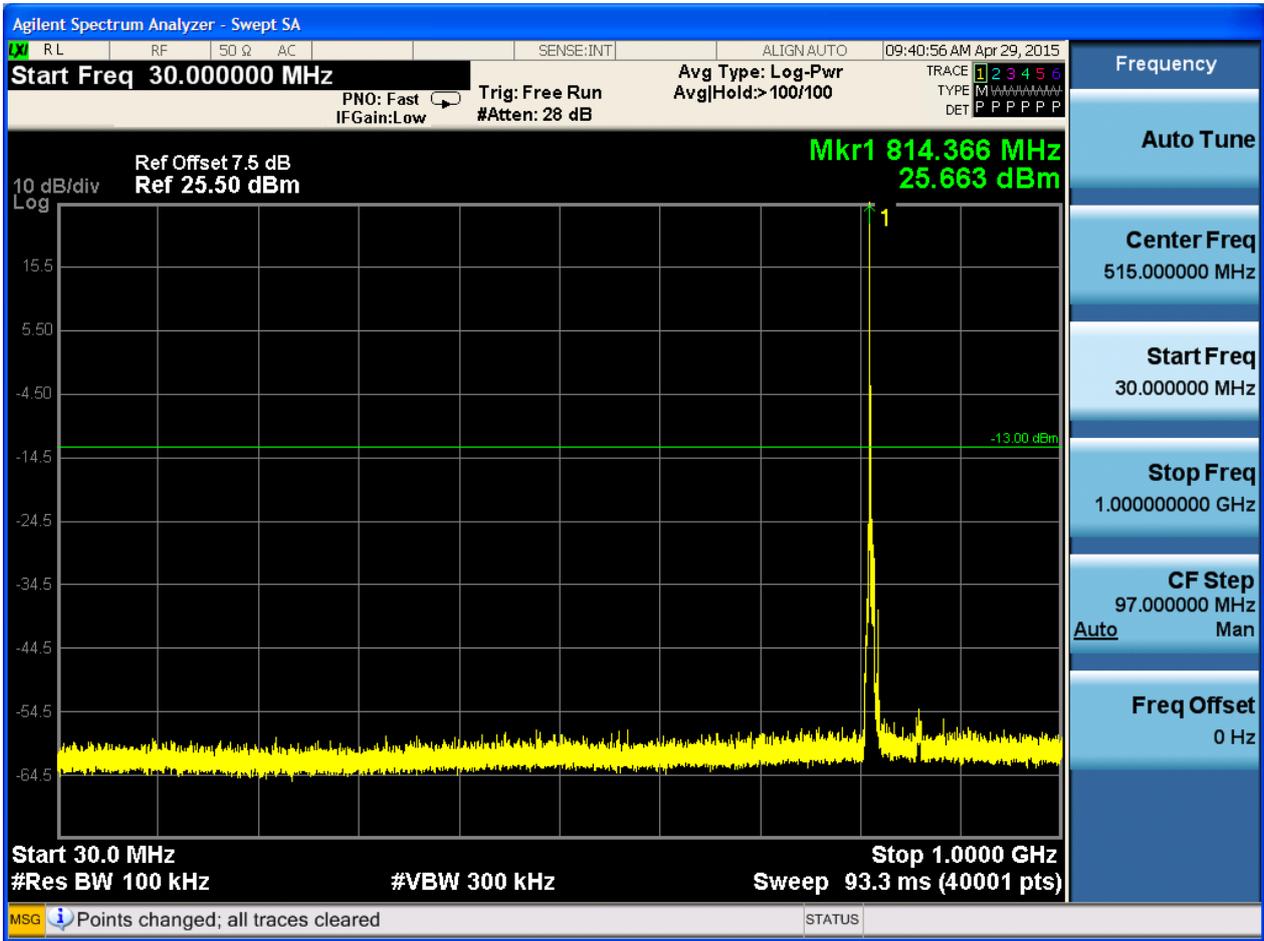
6.1.1.1.3 Test Bandwidth = 5

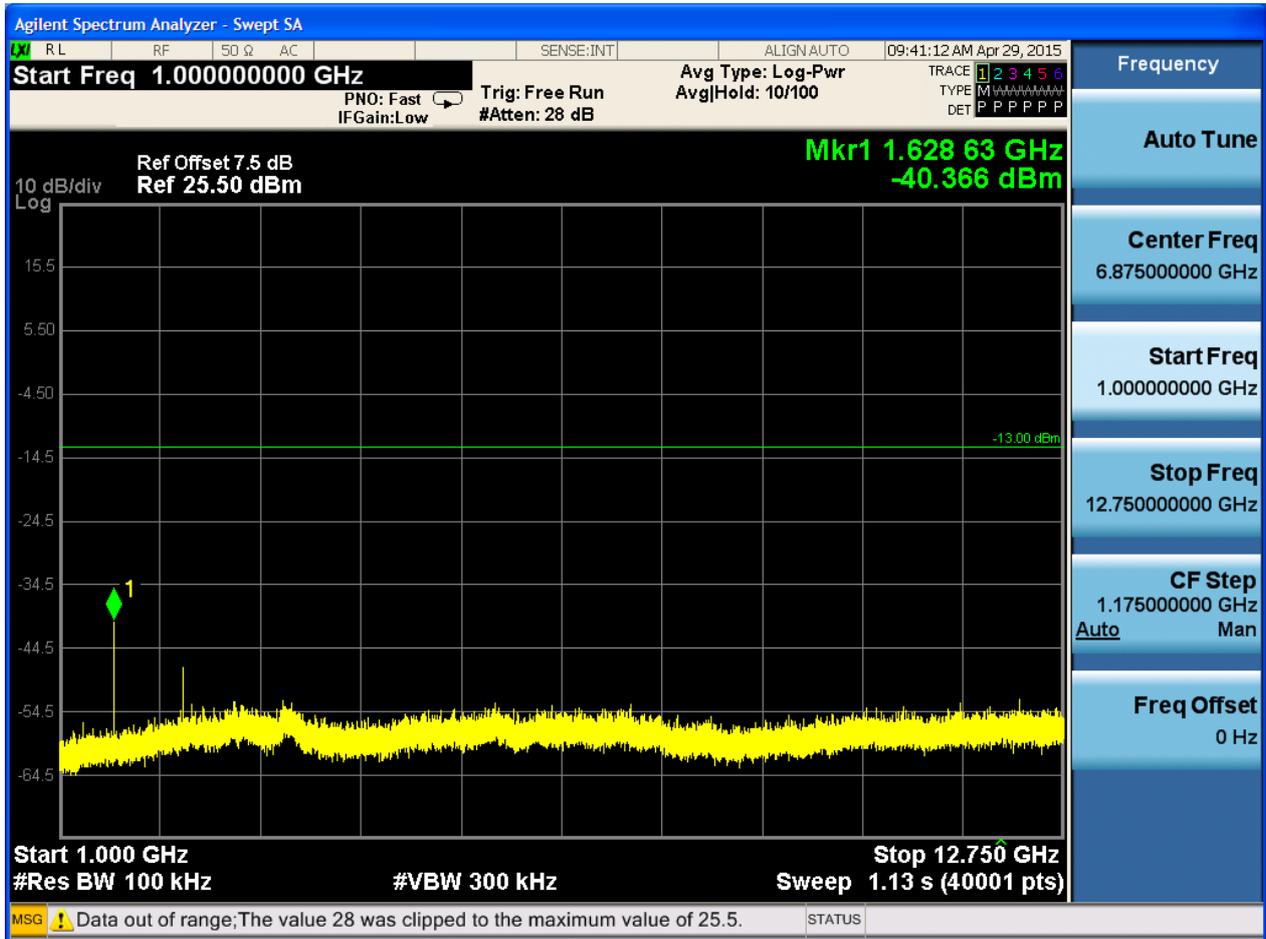
6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





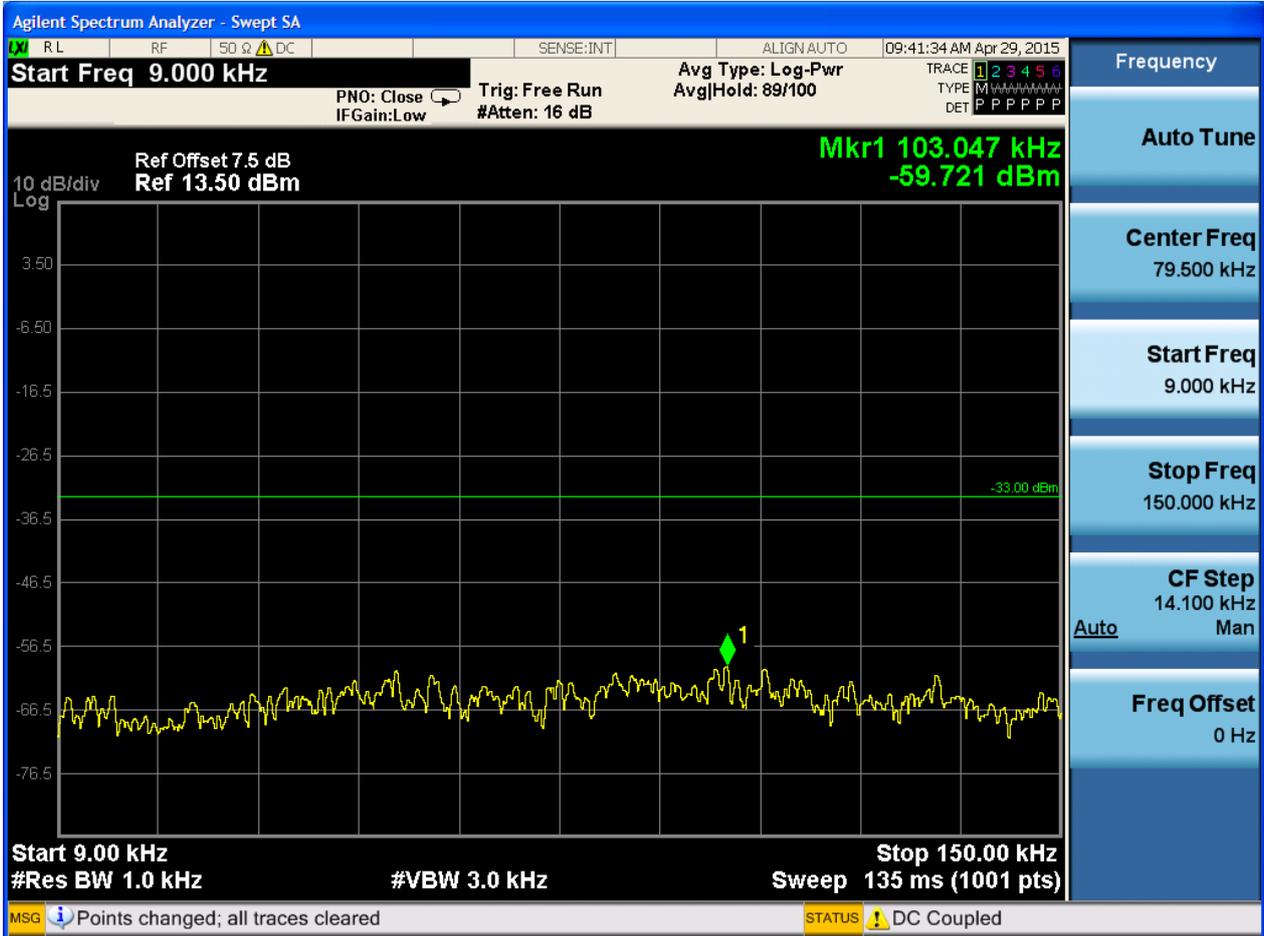


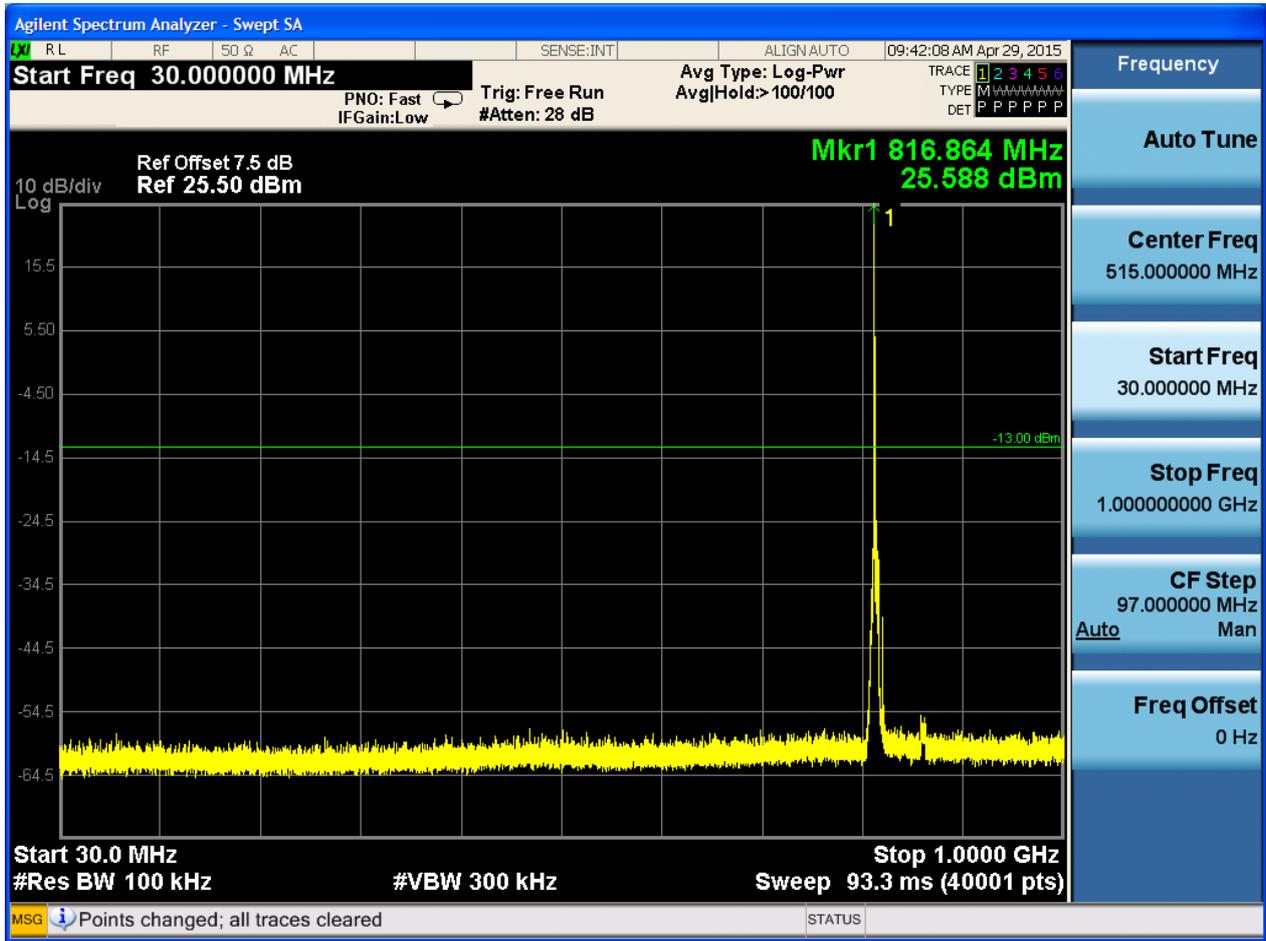


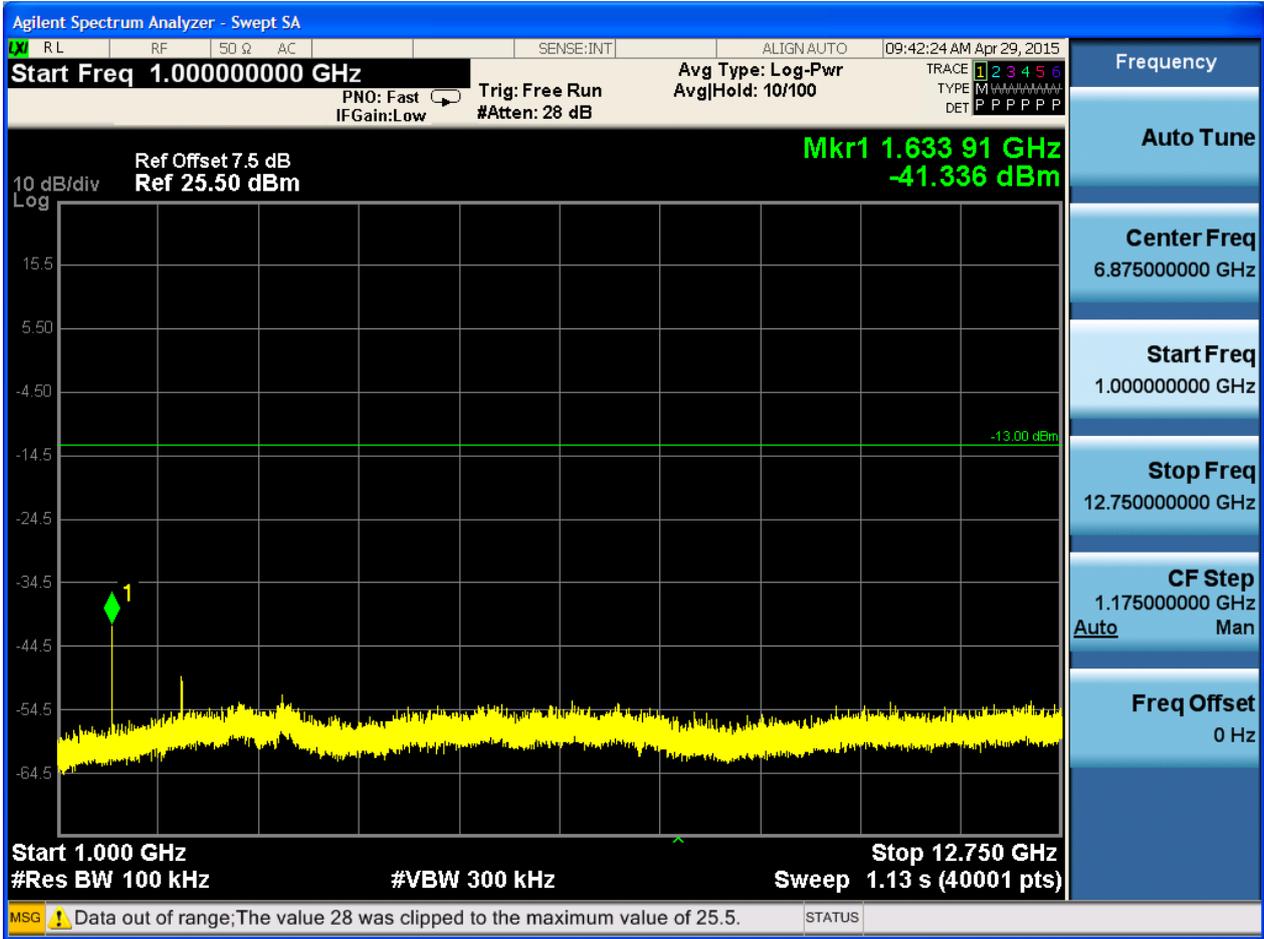


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



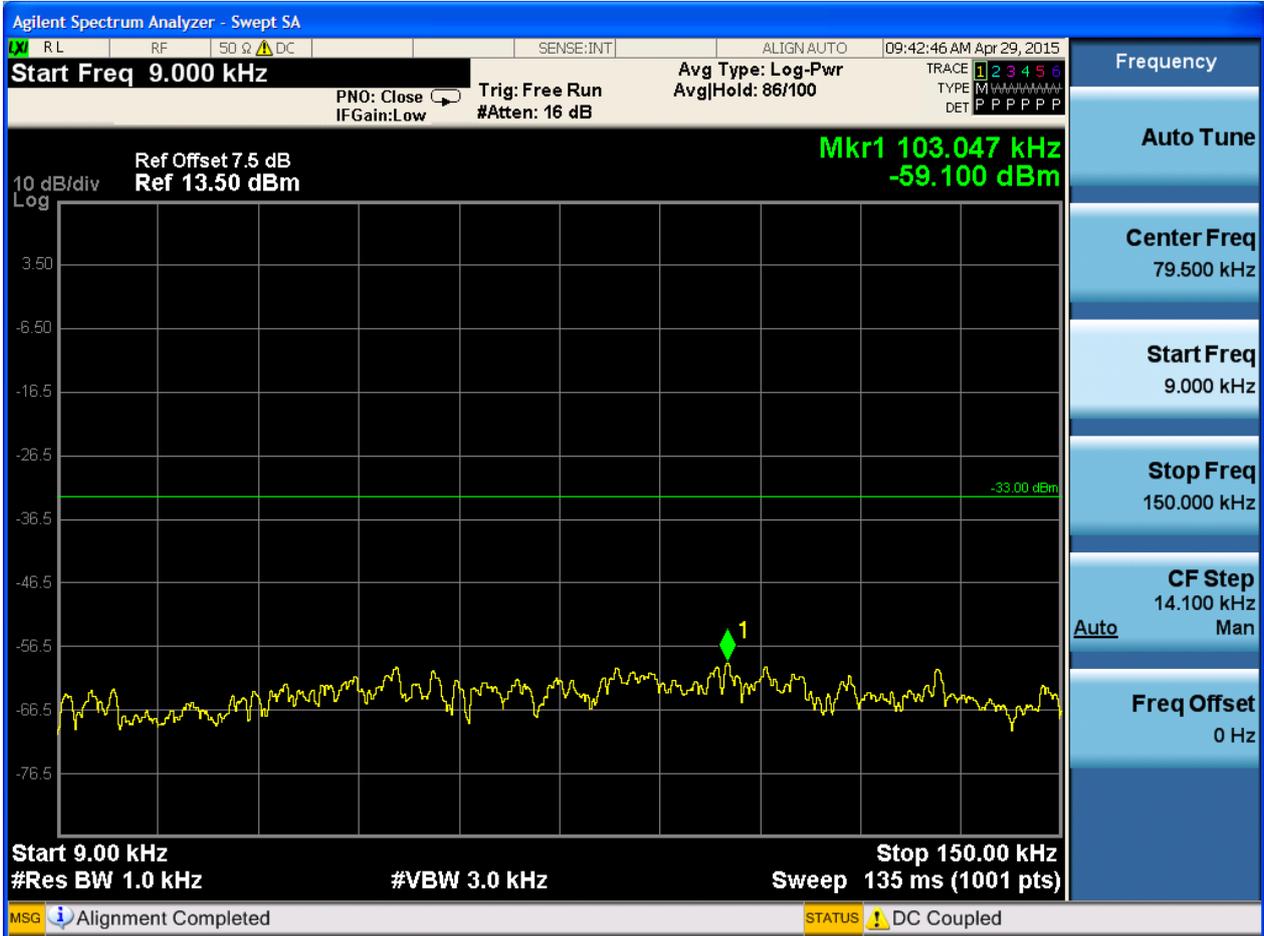




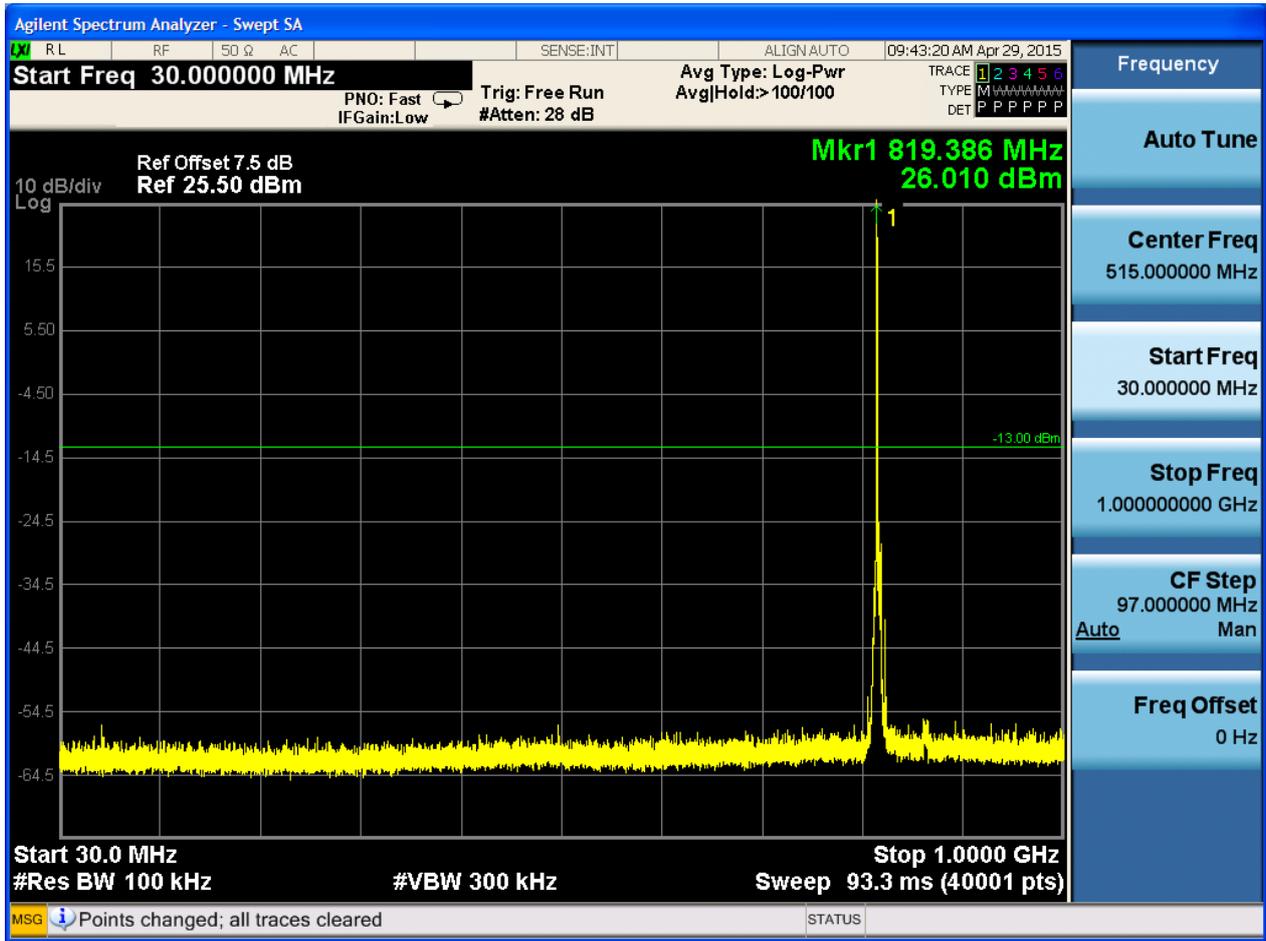


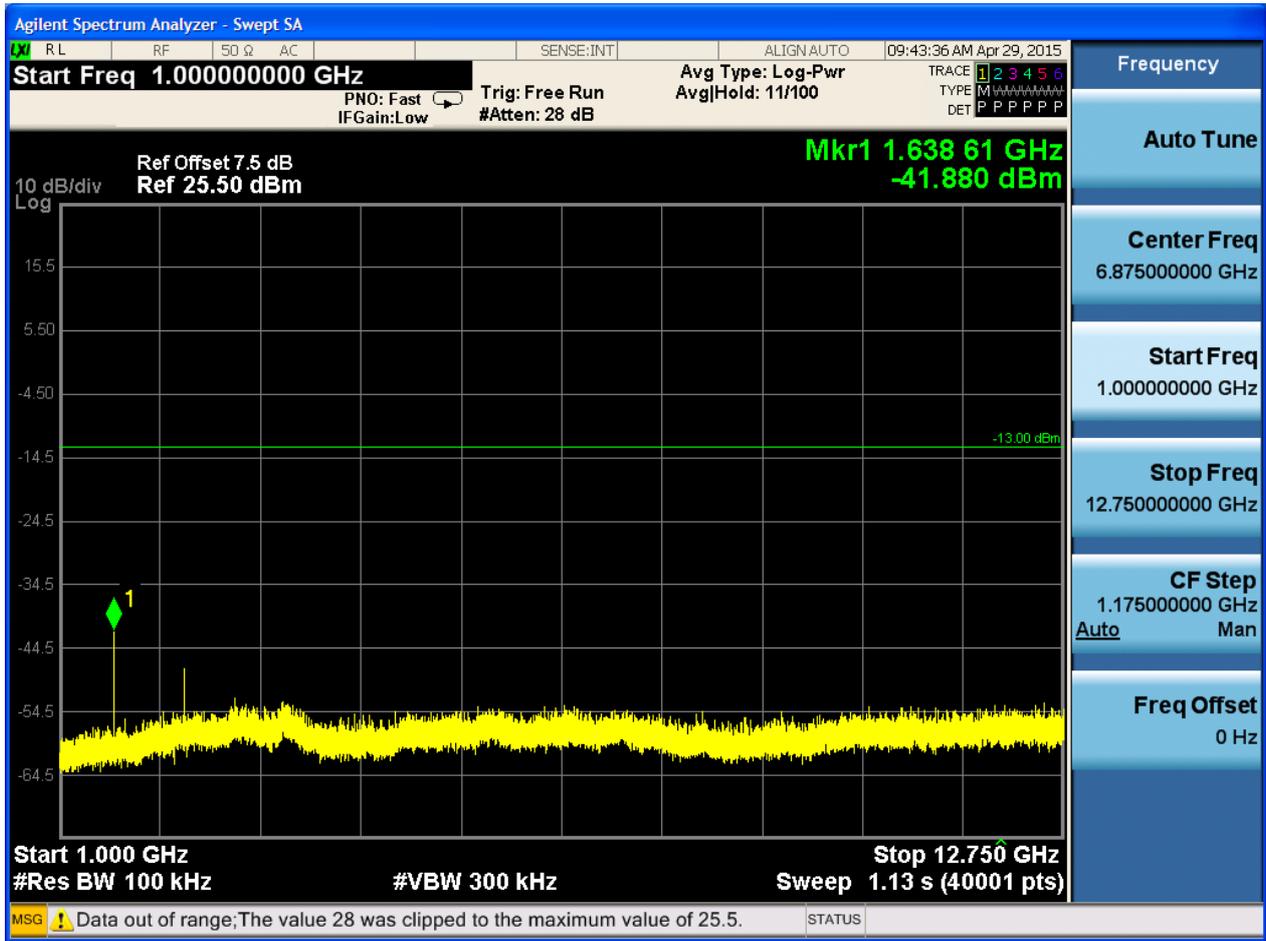
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







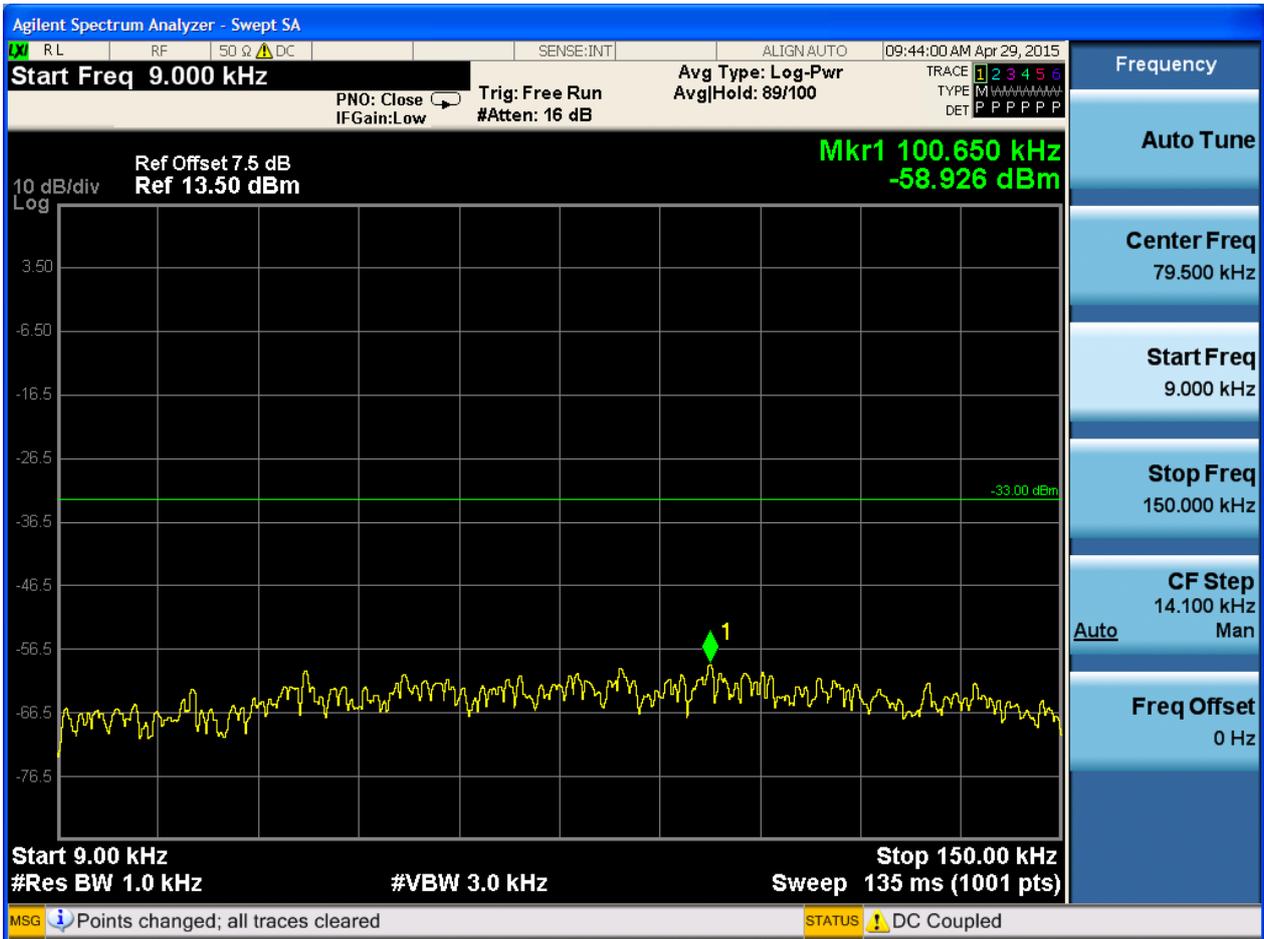




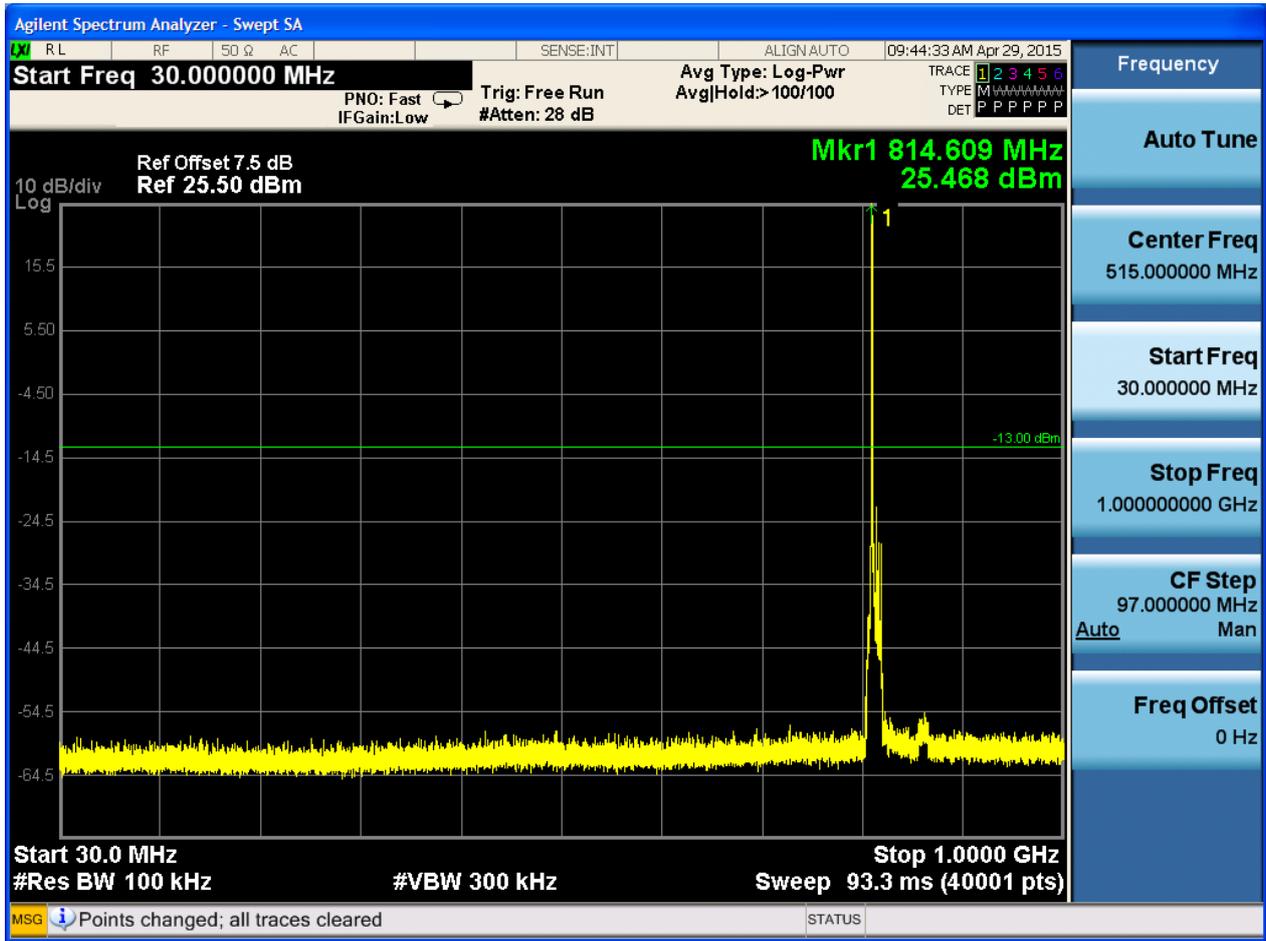
6.1.1.1.4 Test Bandwidth = 10

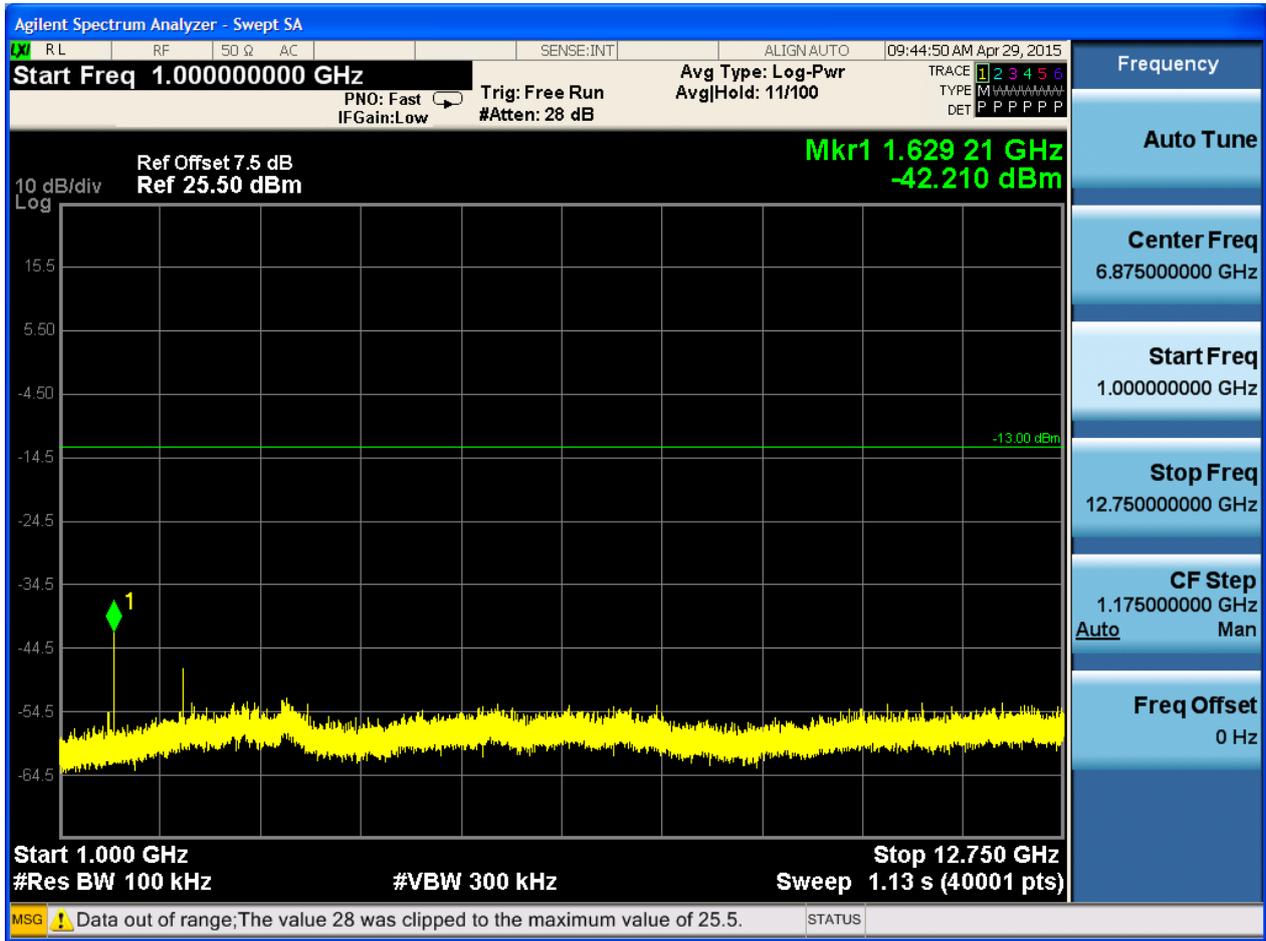
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





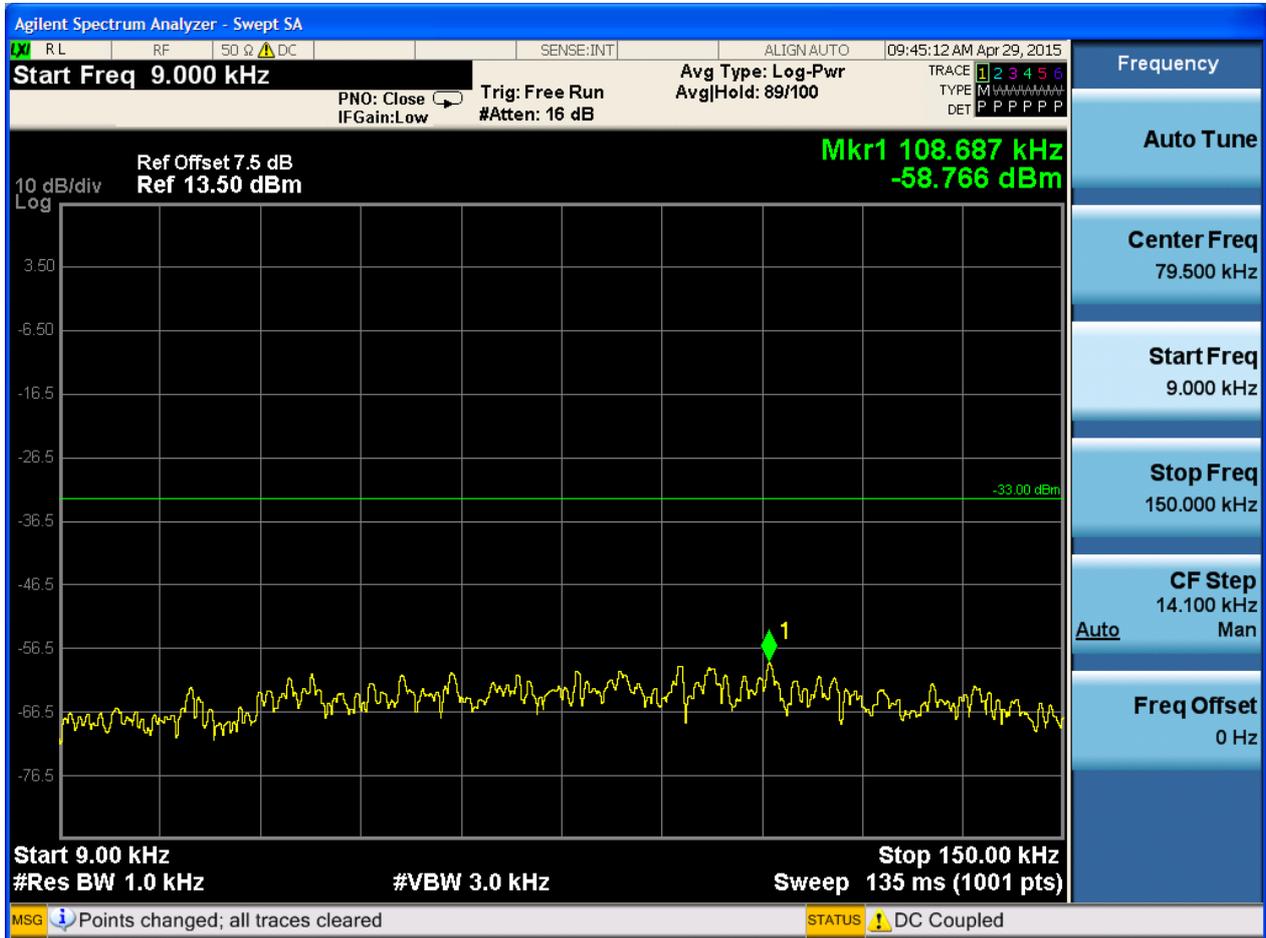


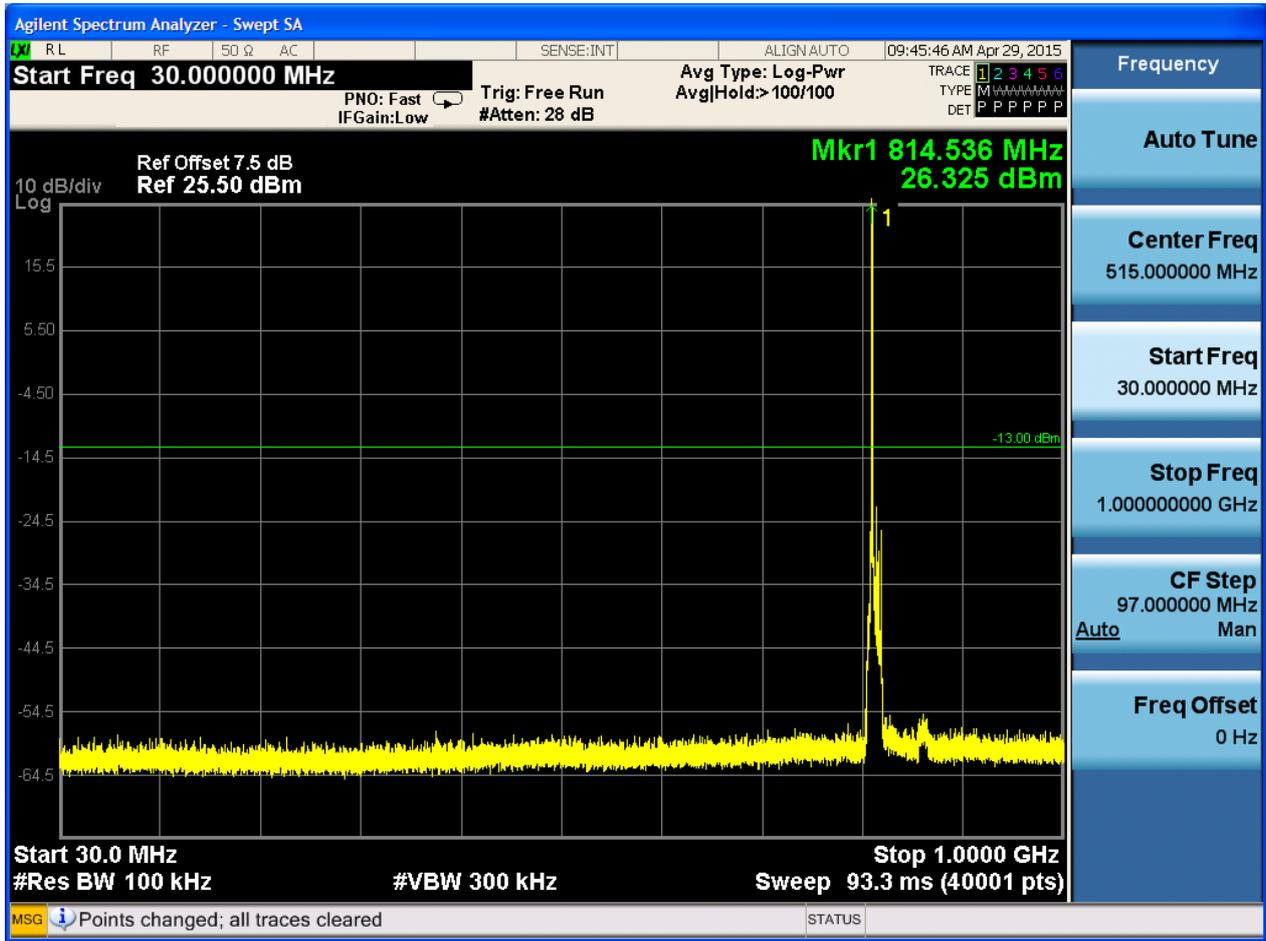


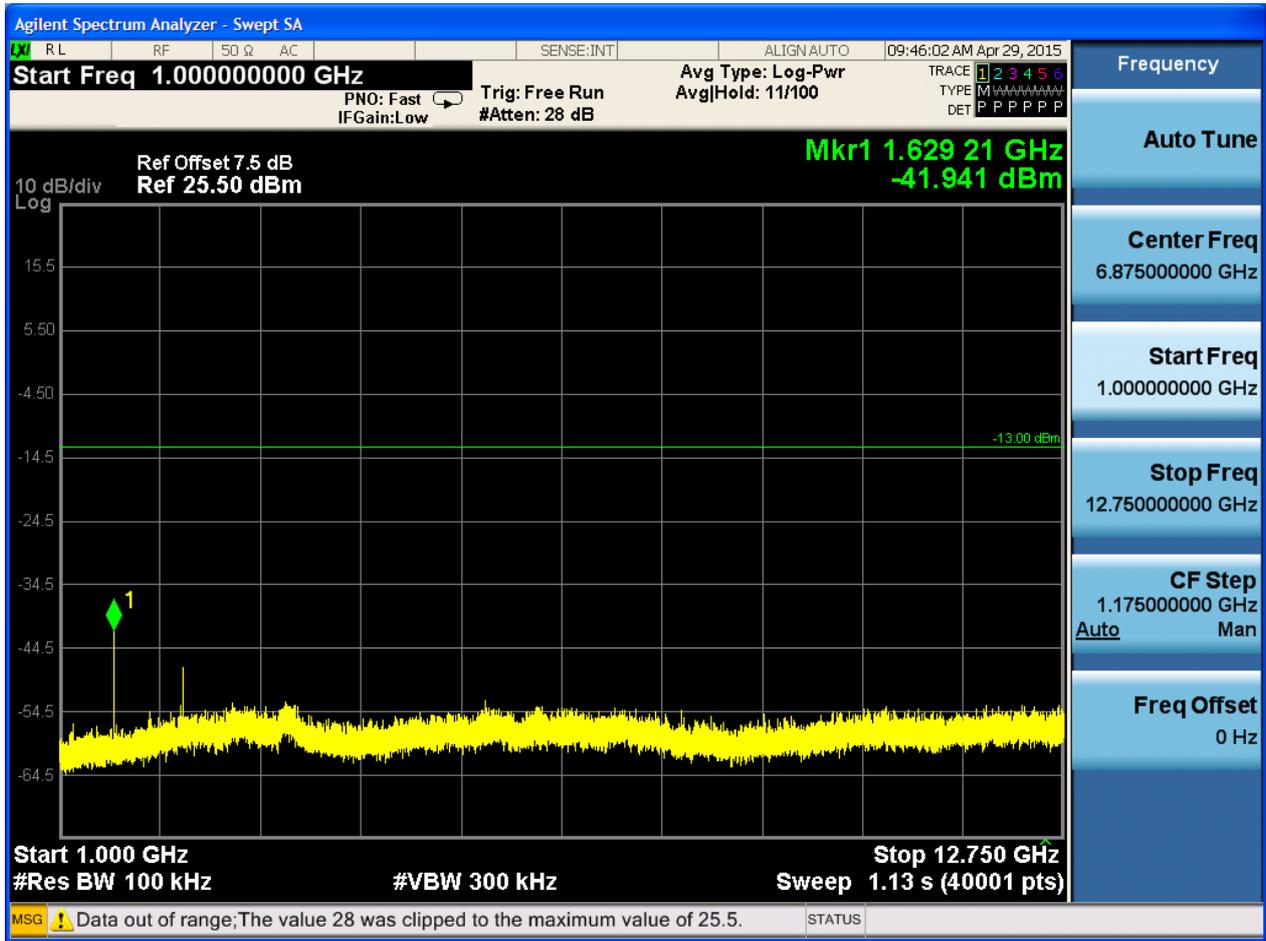


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



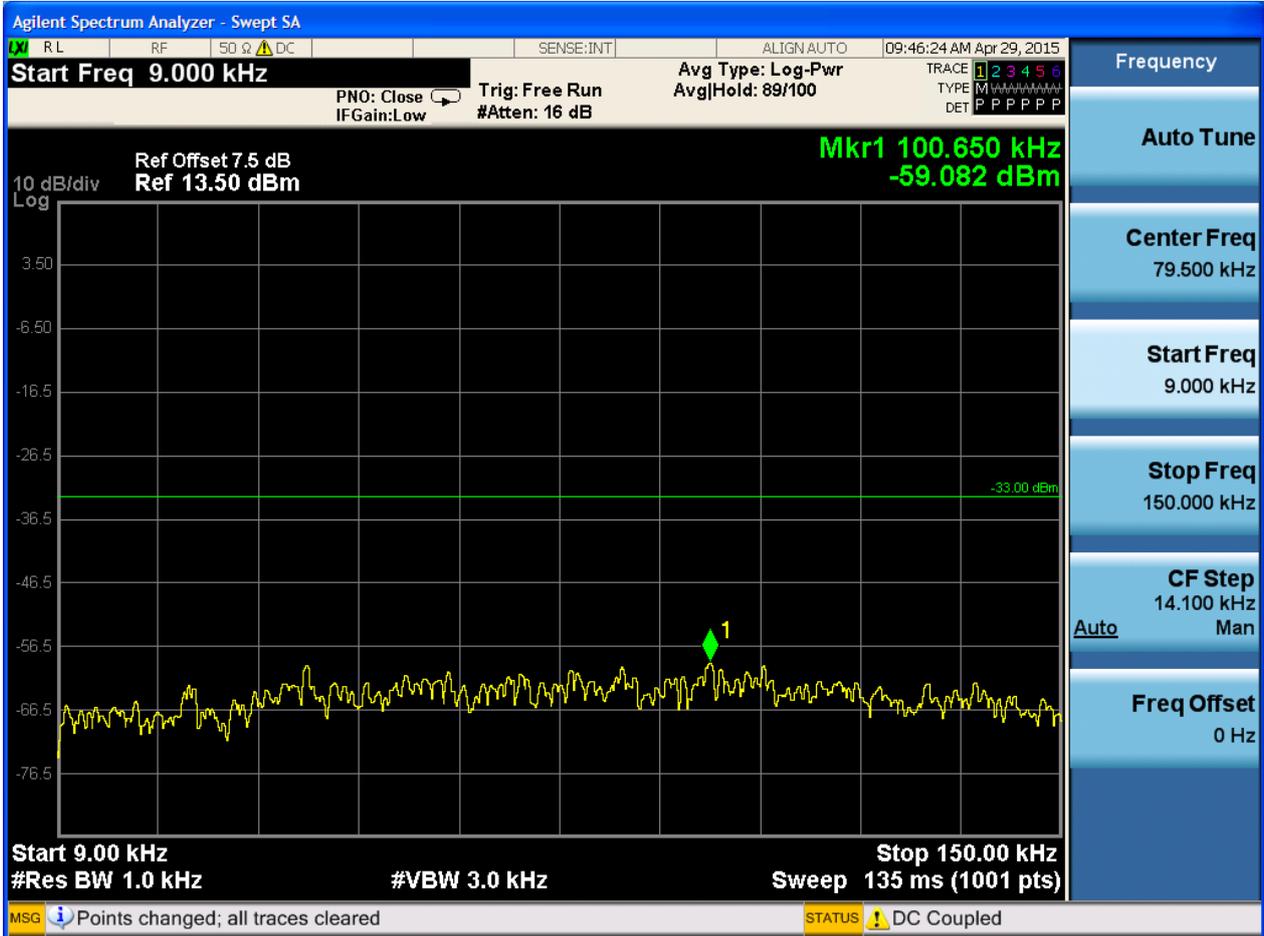


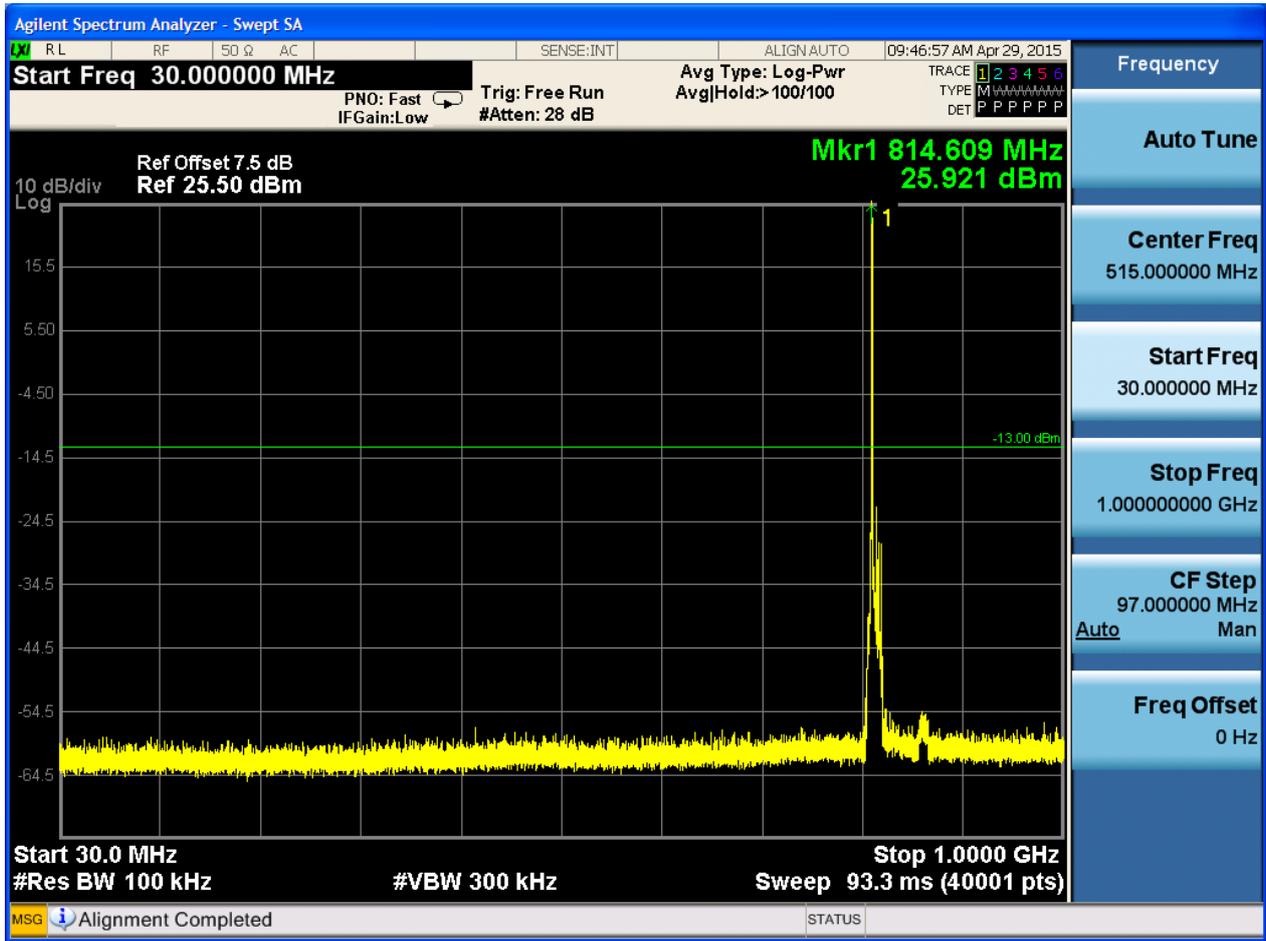


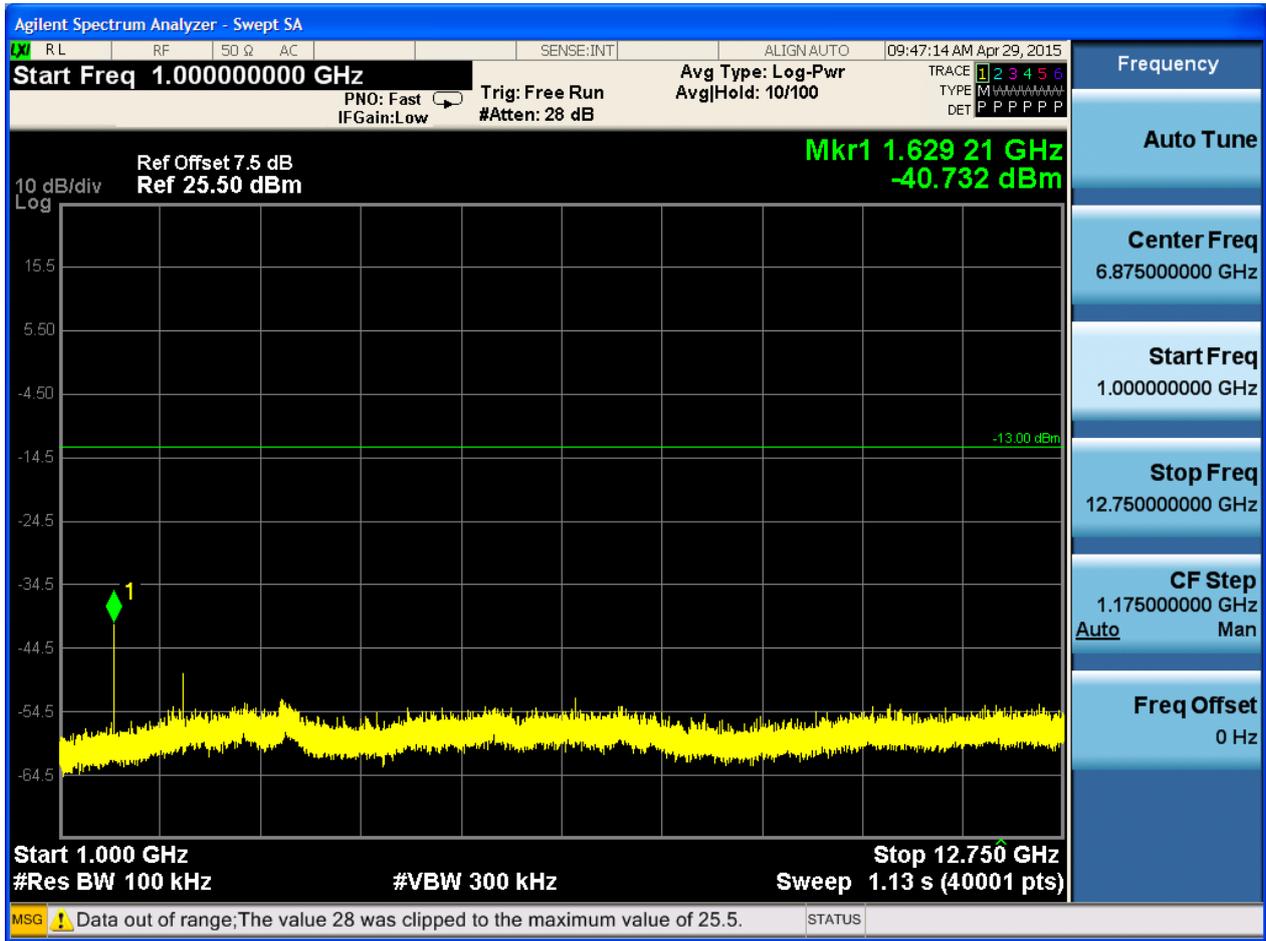


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







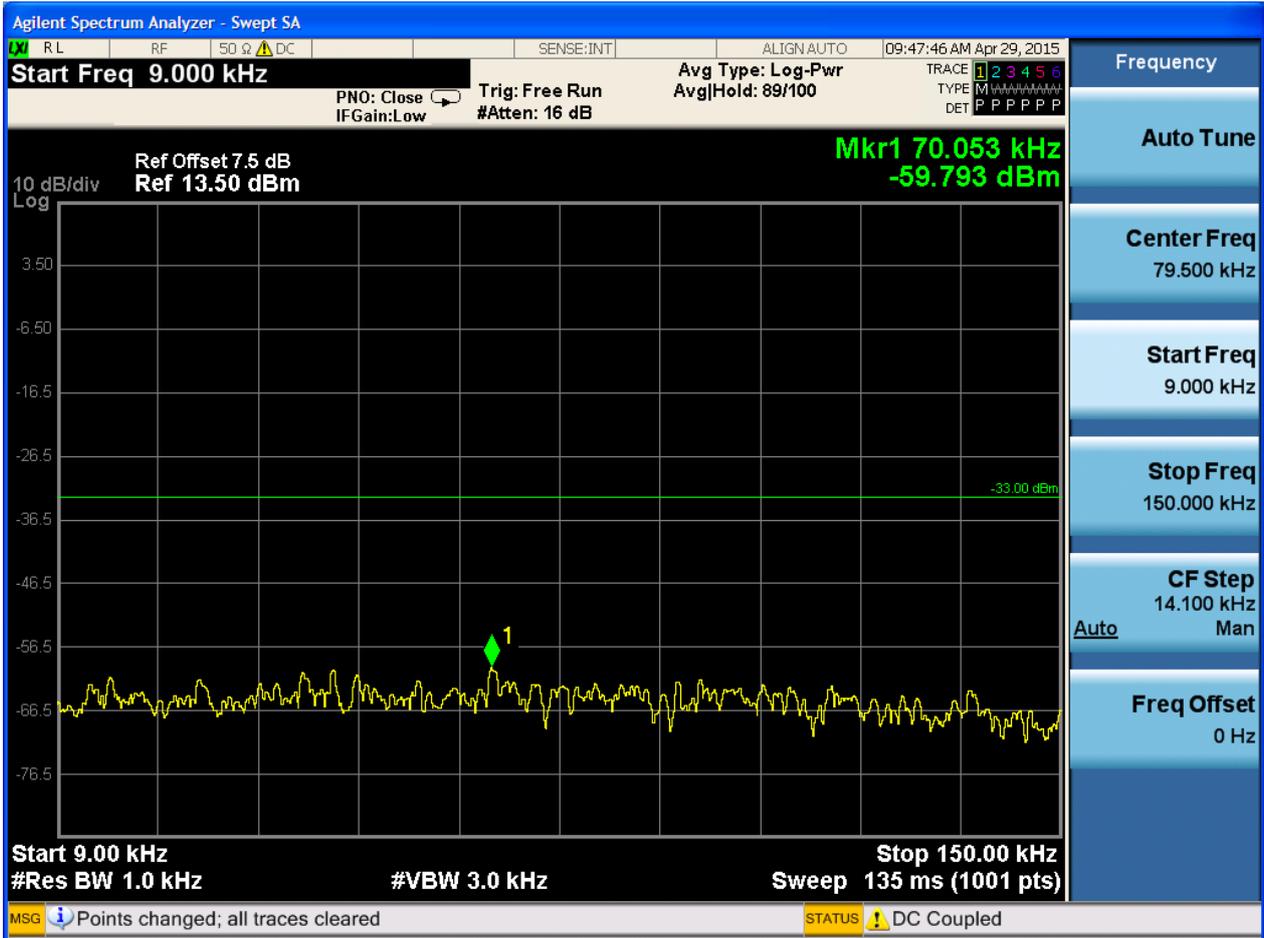


6.1.1.2 Test Mode = LTE/TM2

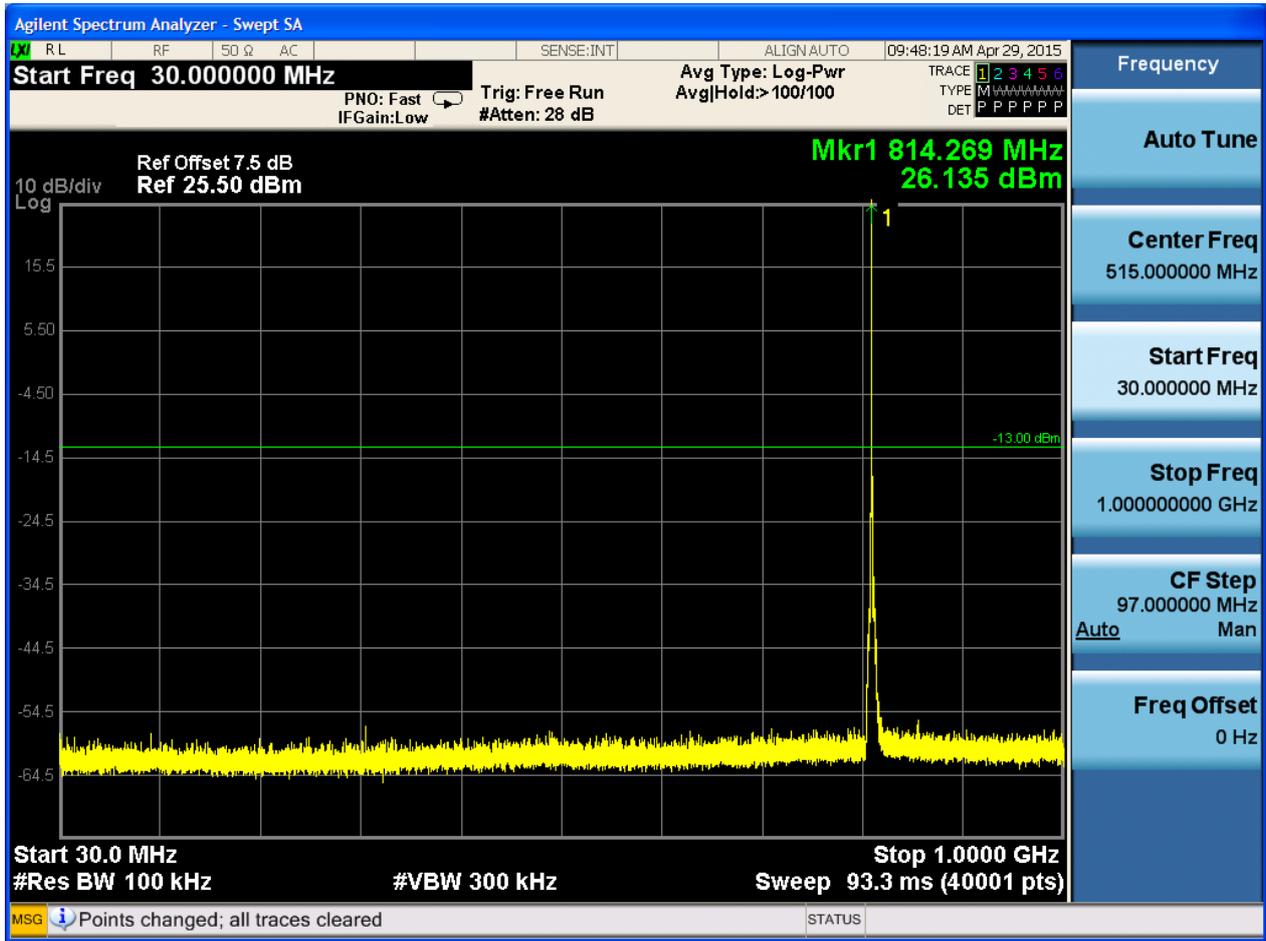
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



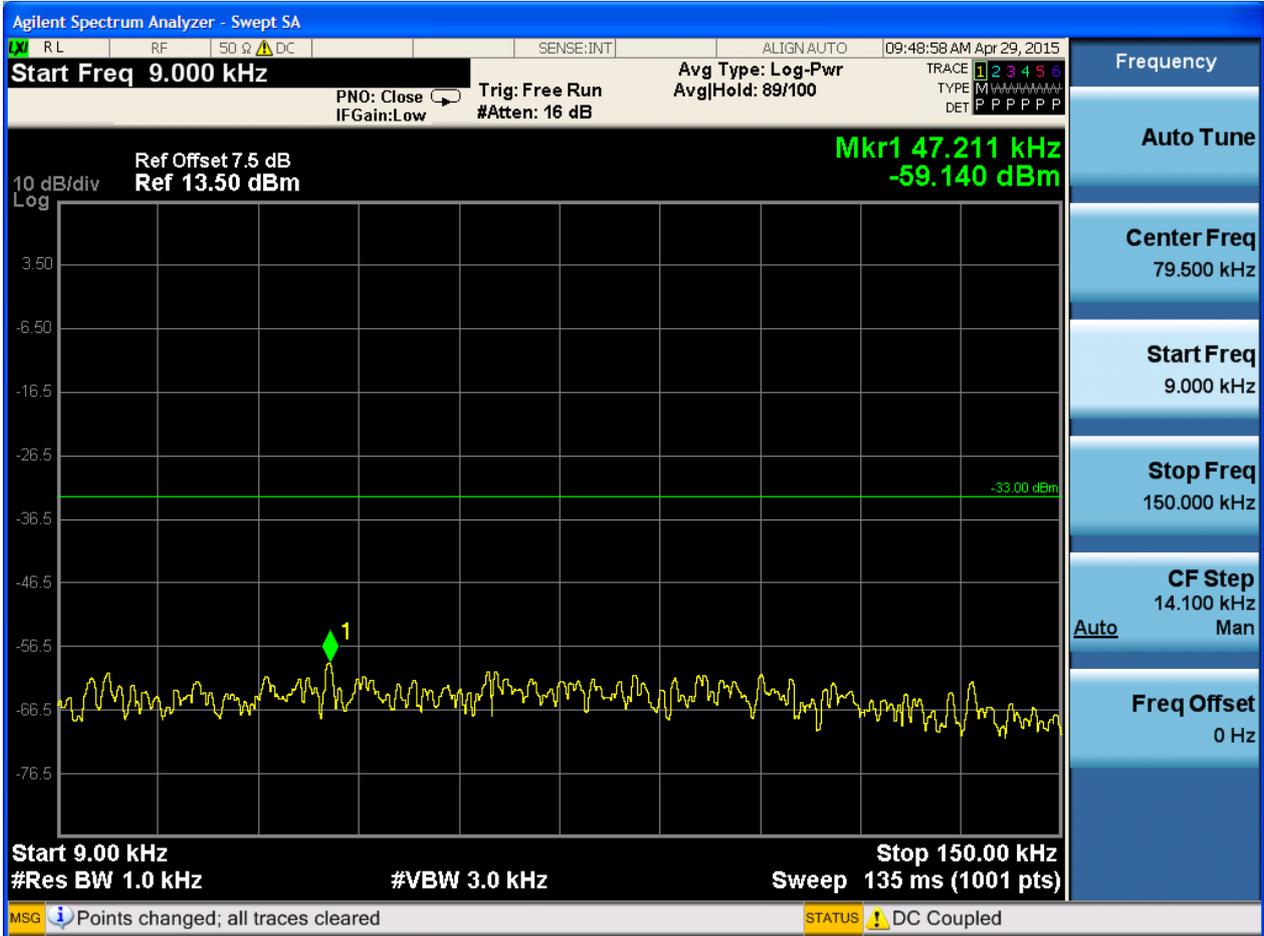


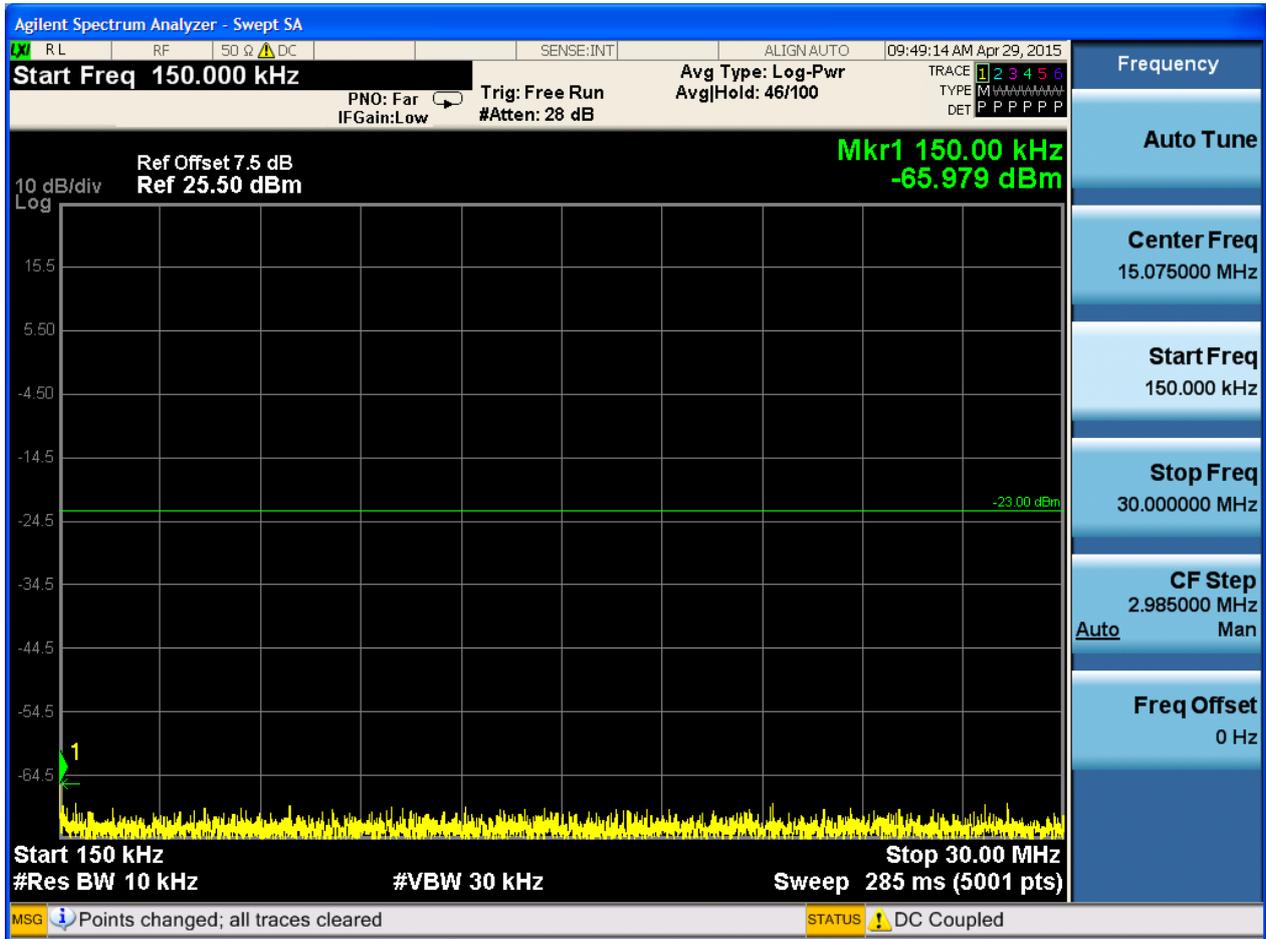


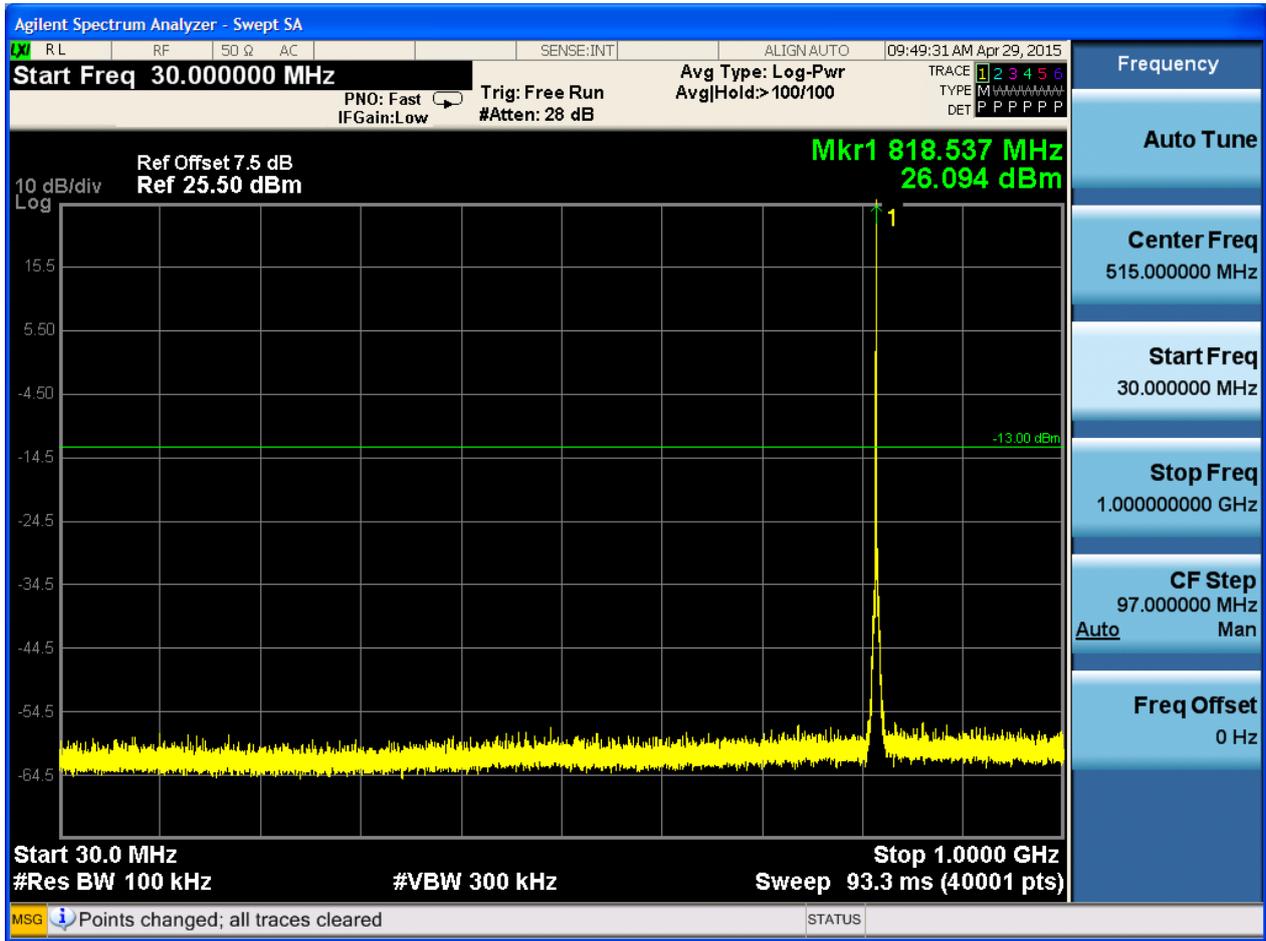


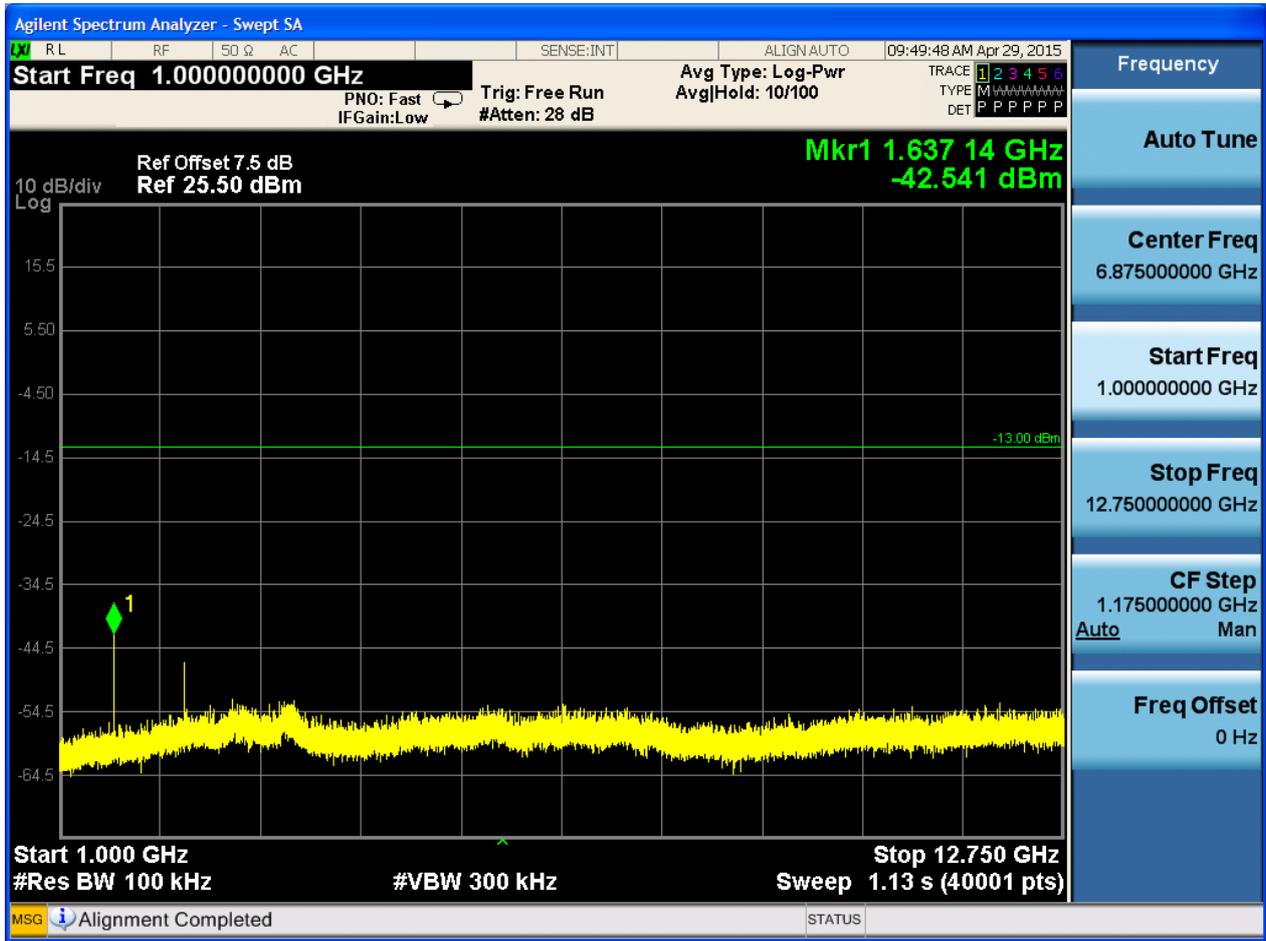
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





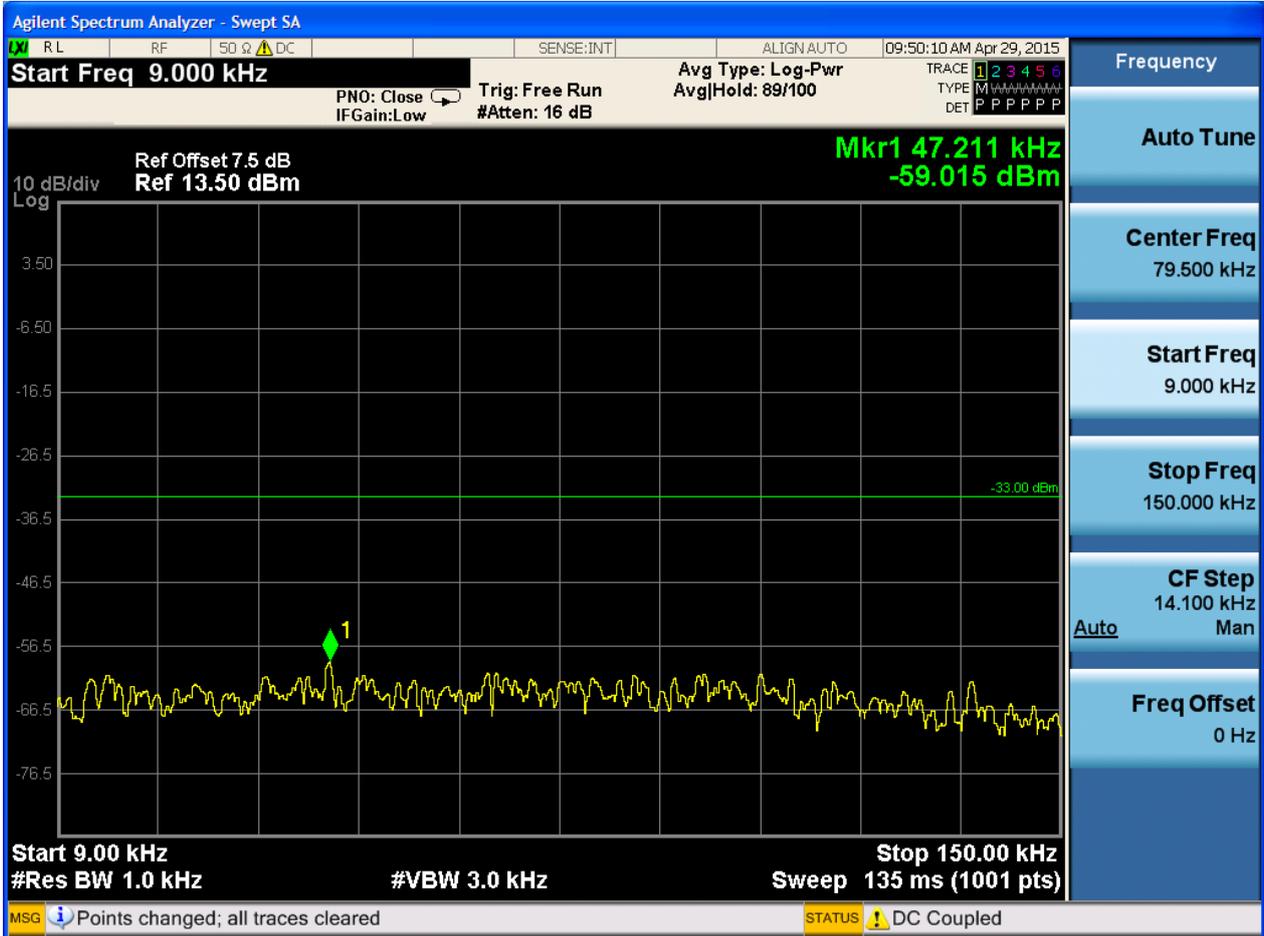


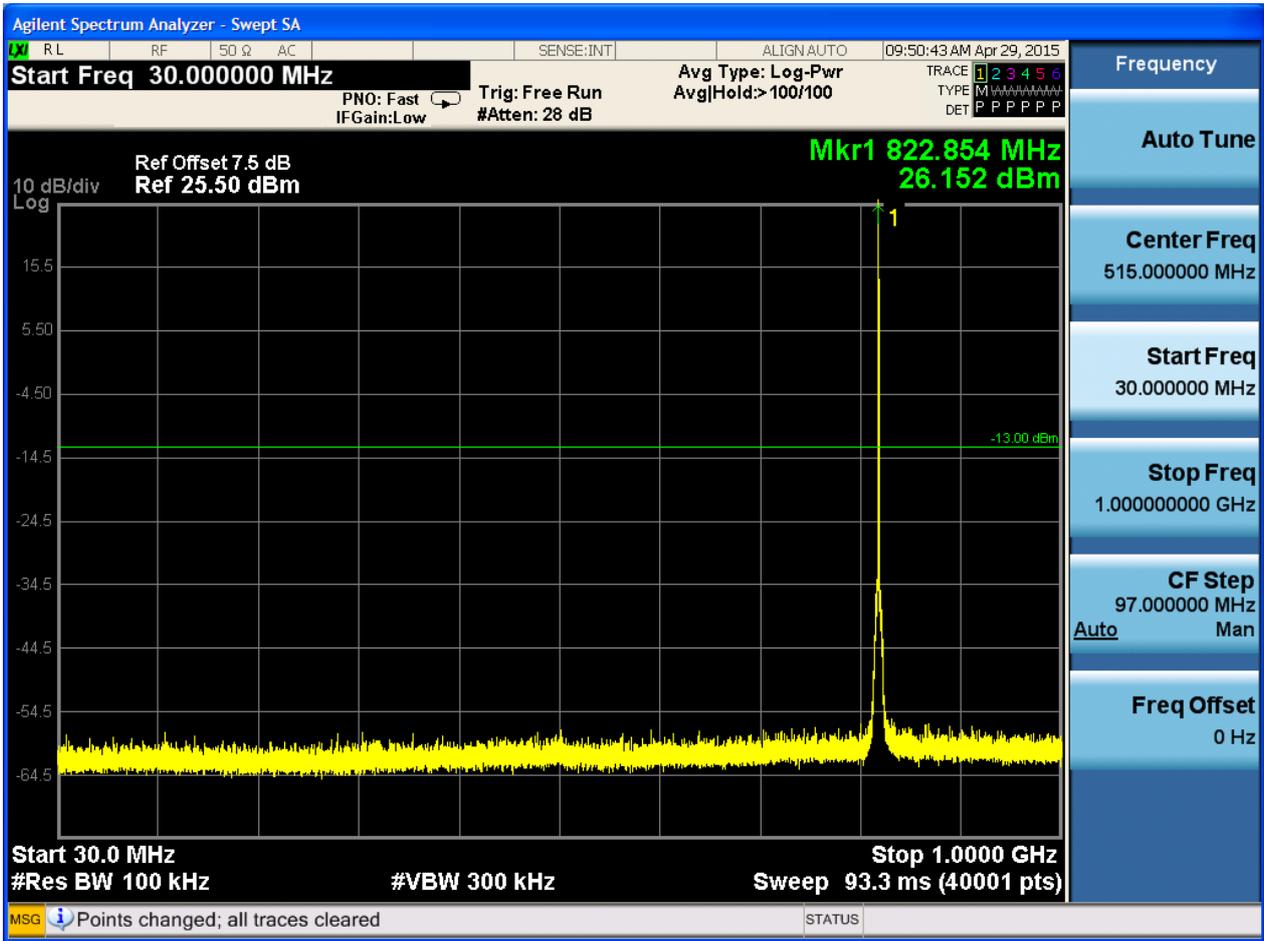


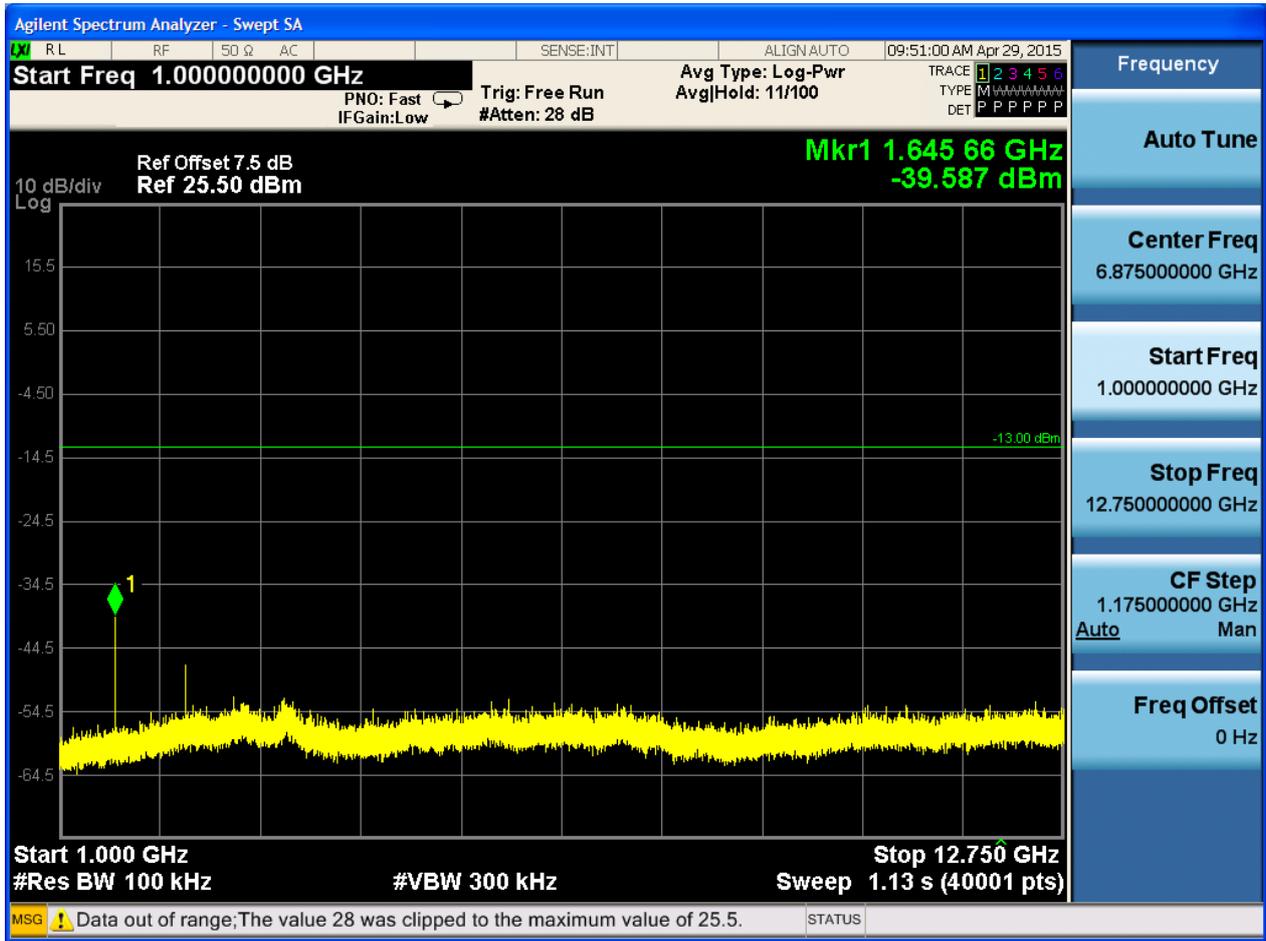


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





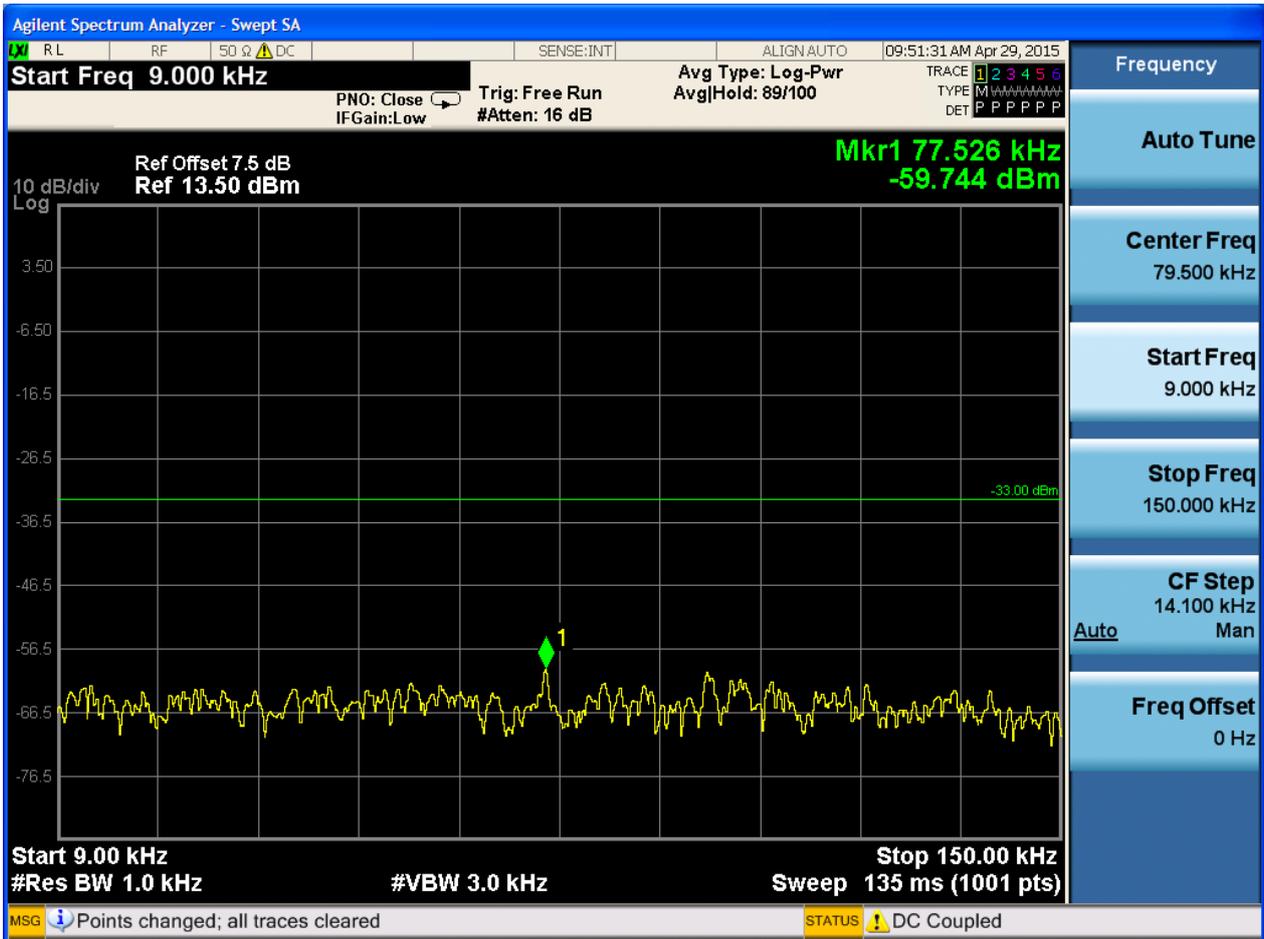


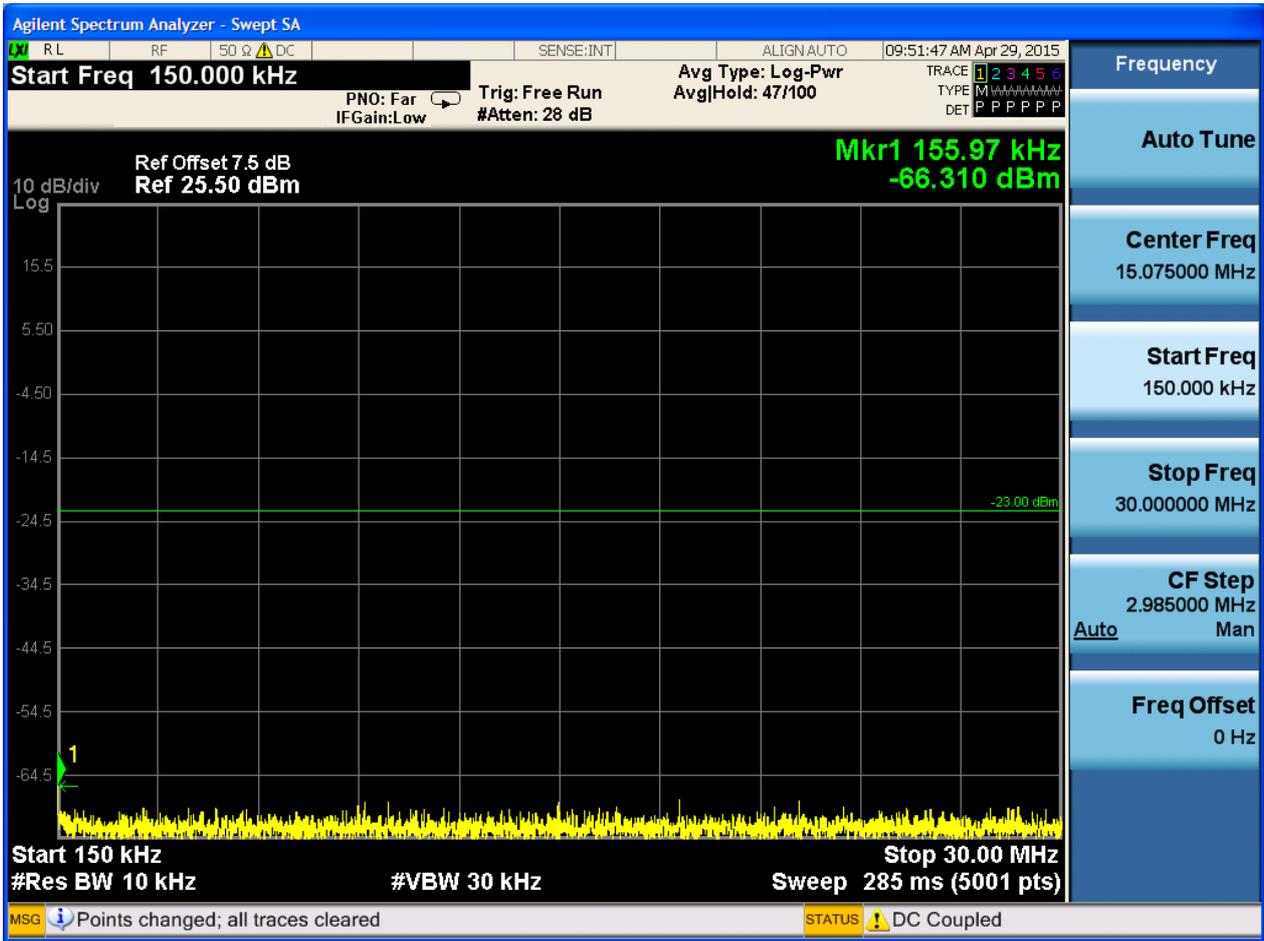


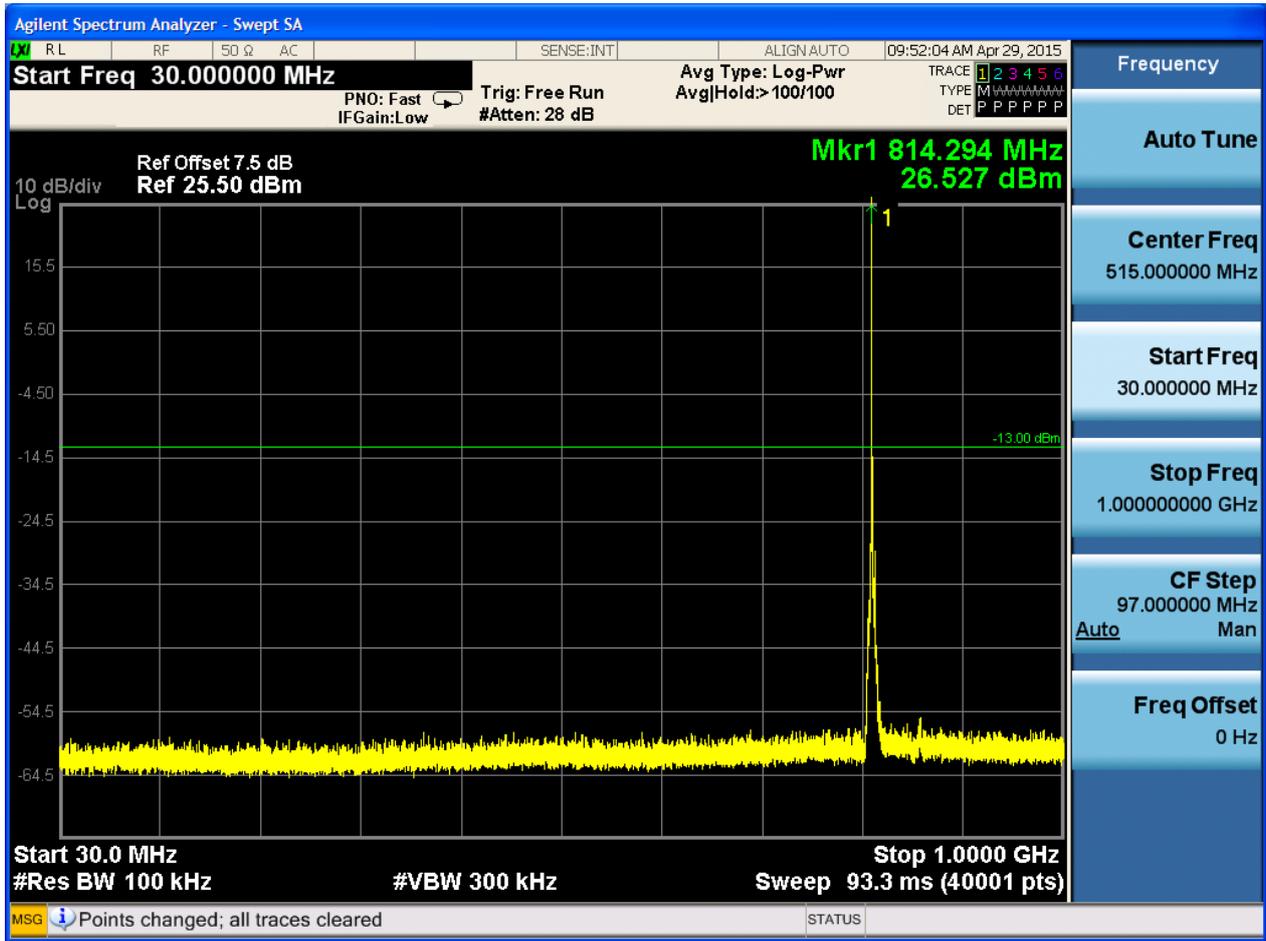
6.1.1.2.2 Test Bandwidth = 3

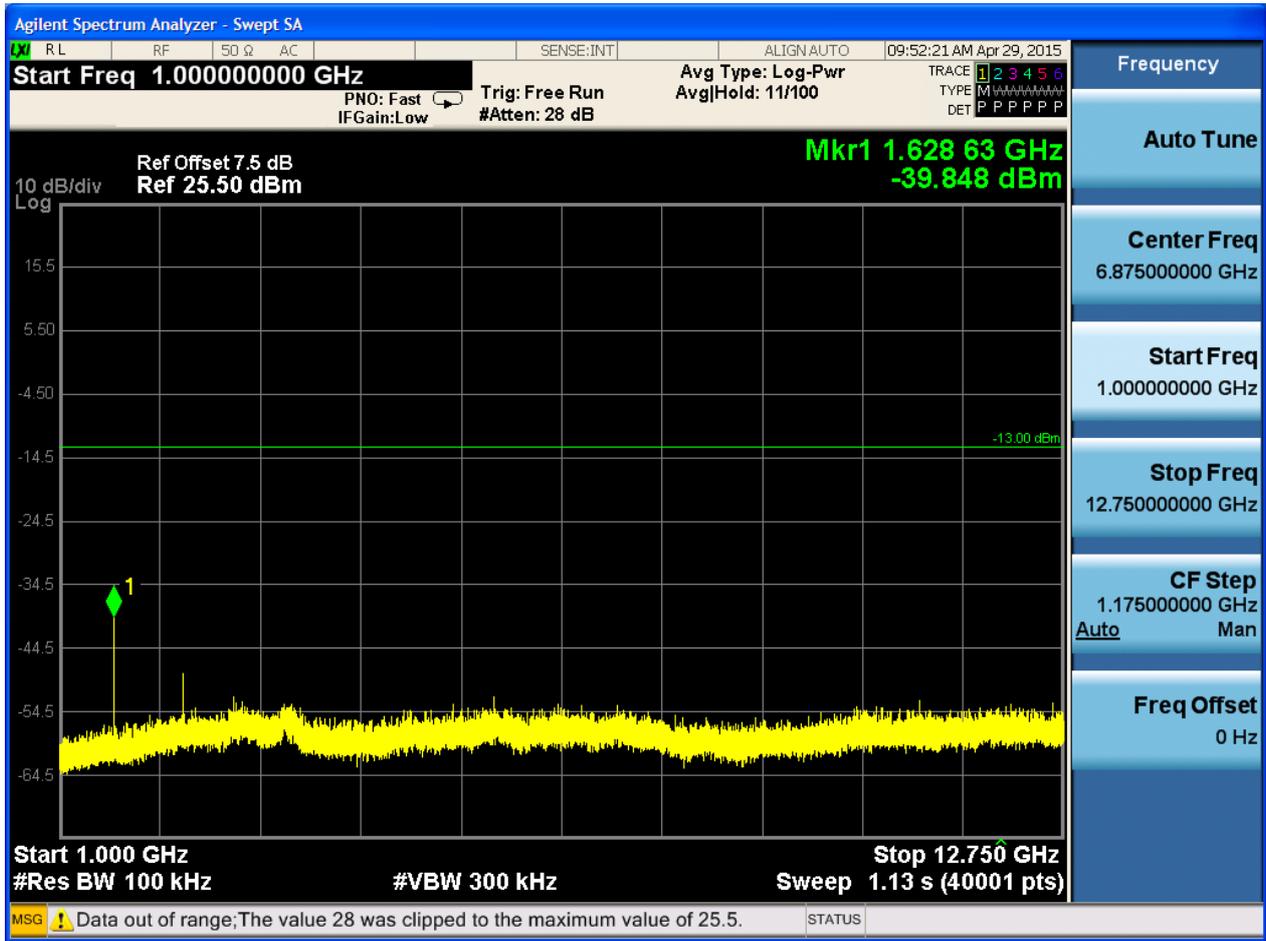
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





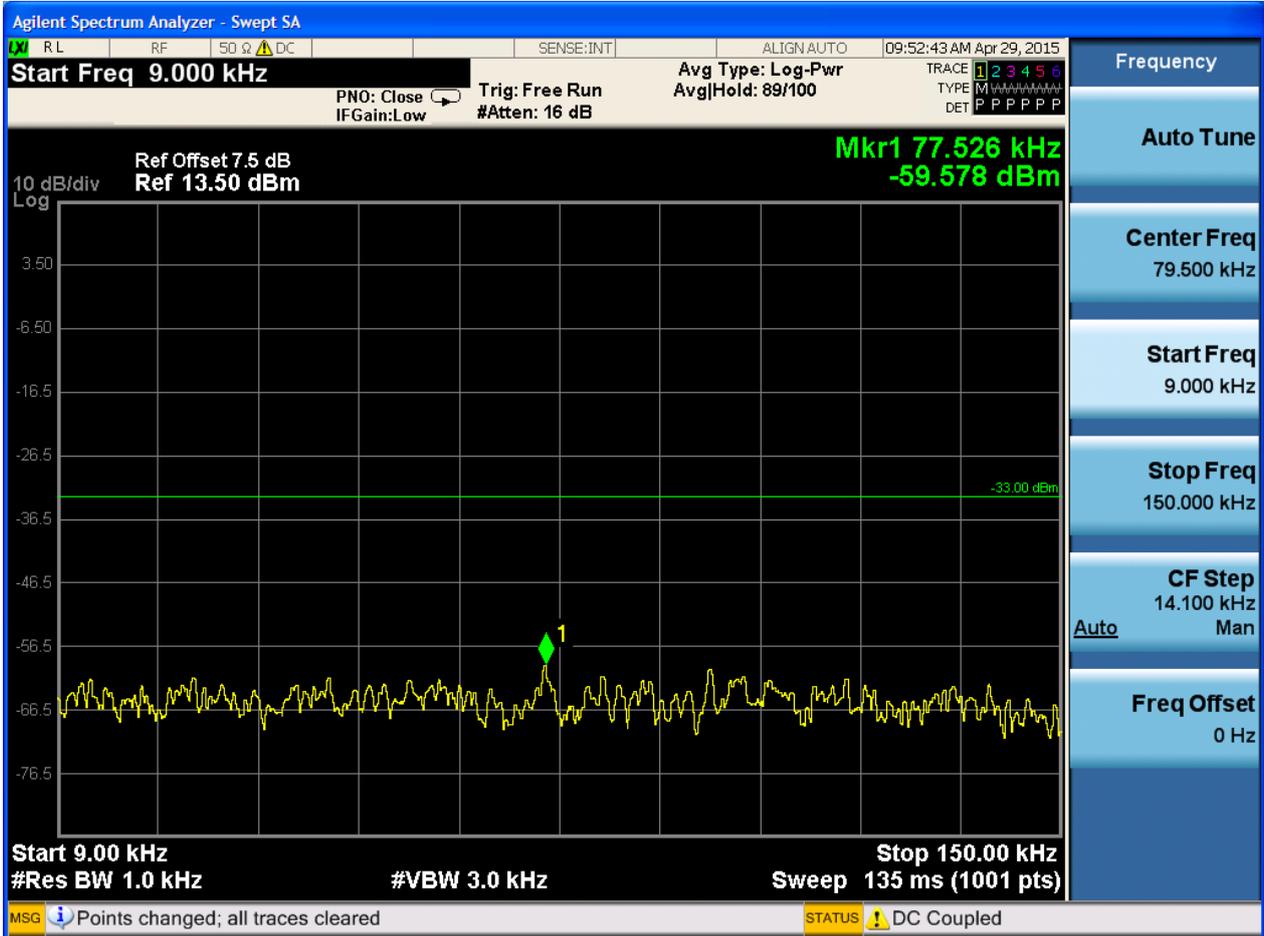


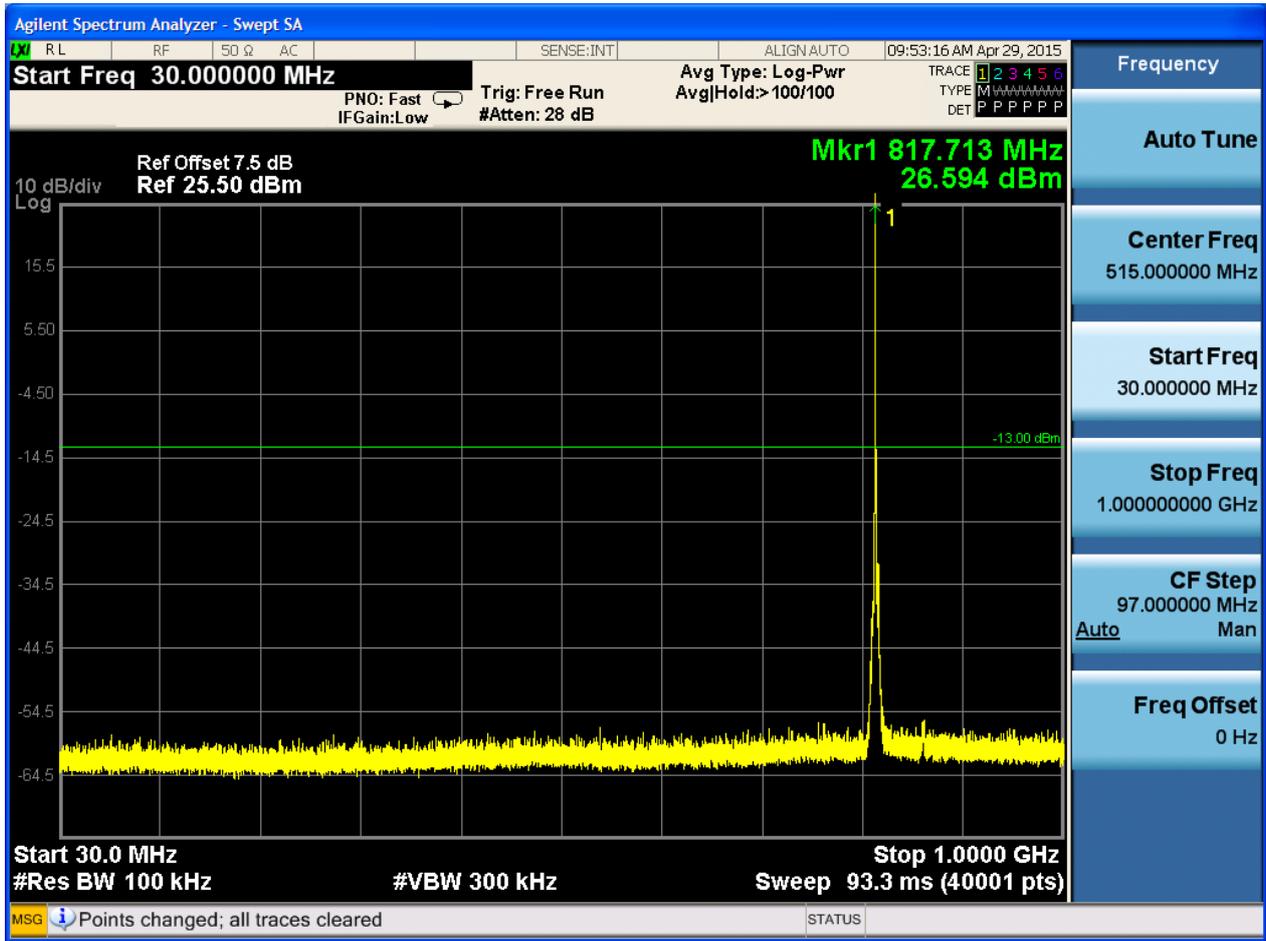


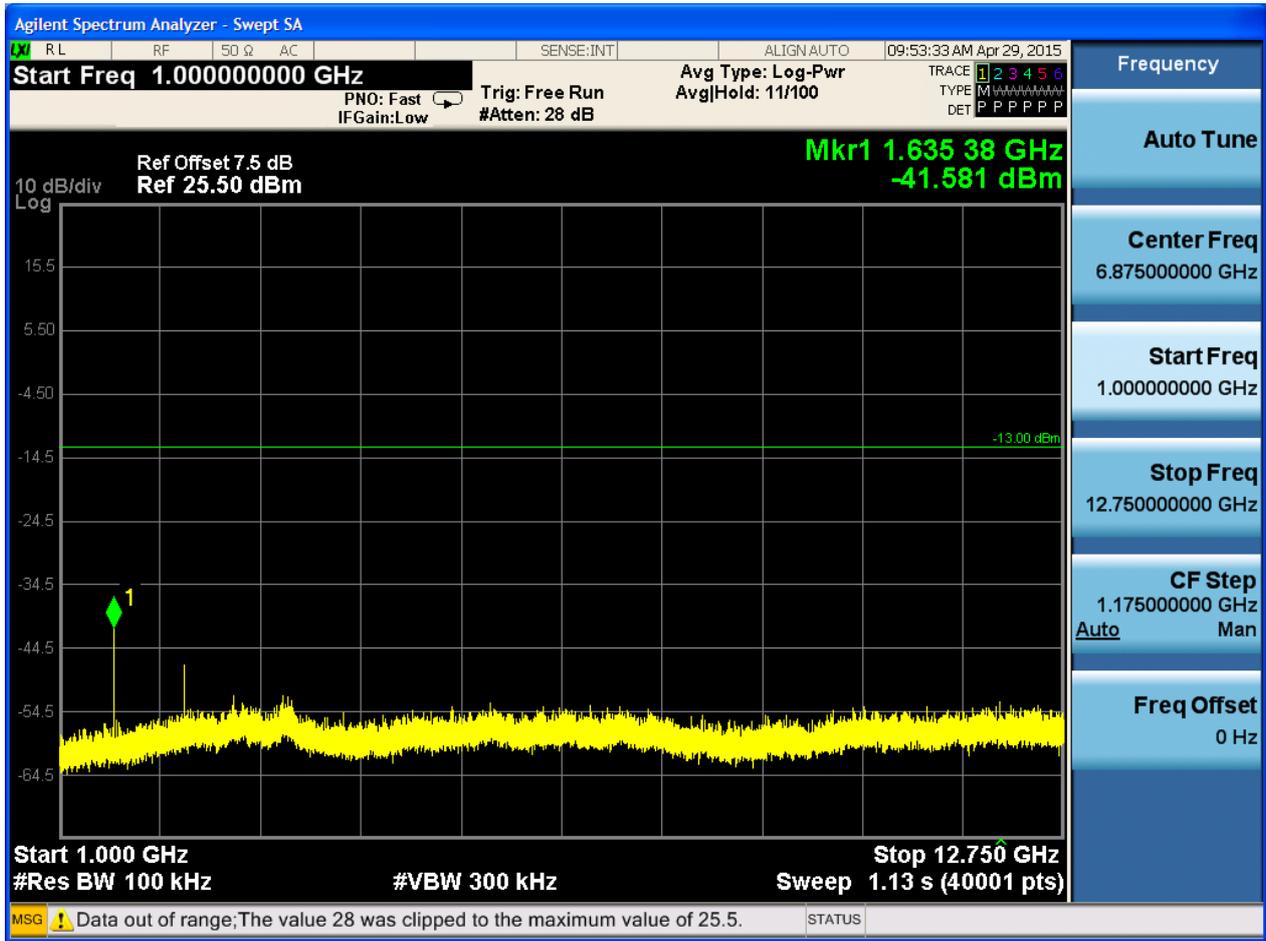


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



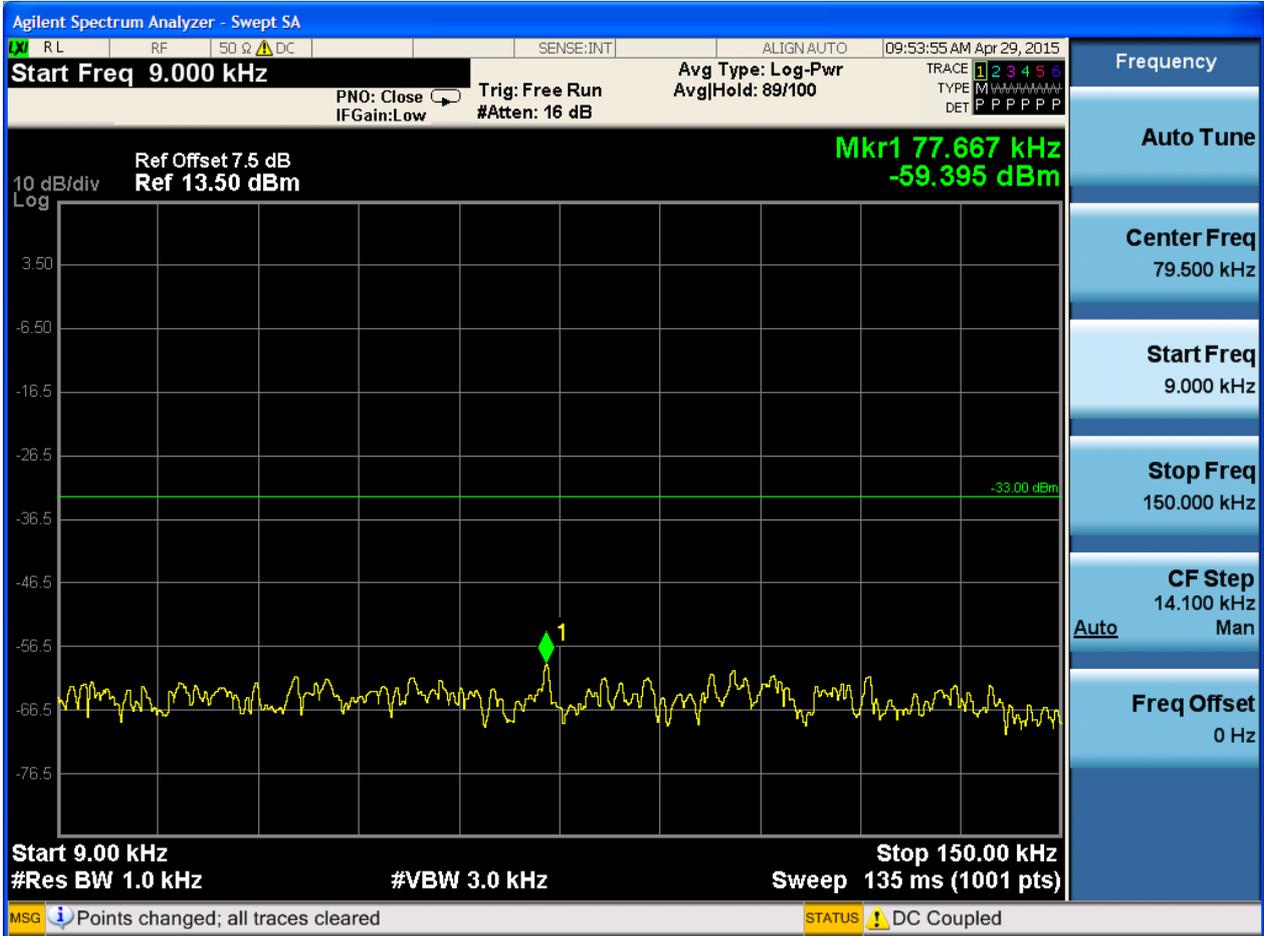




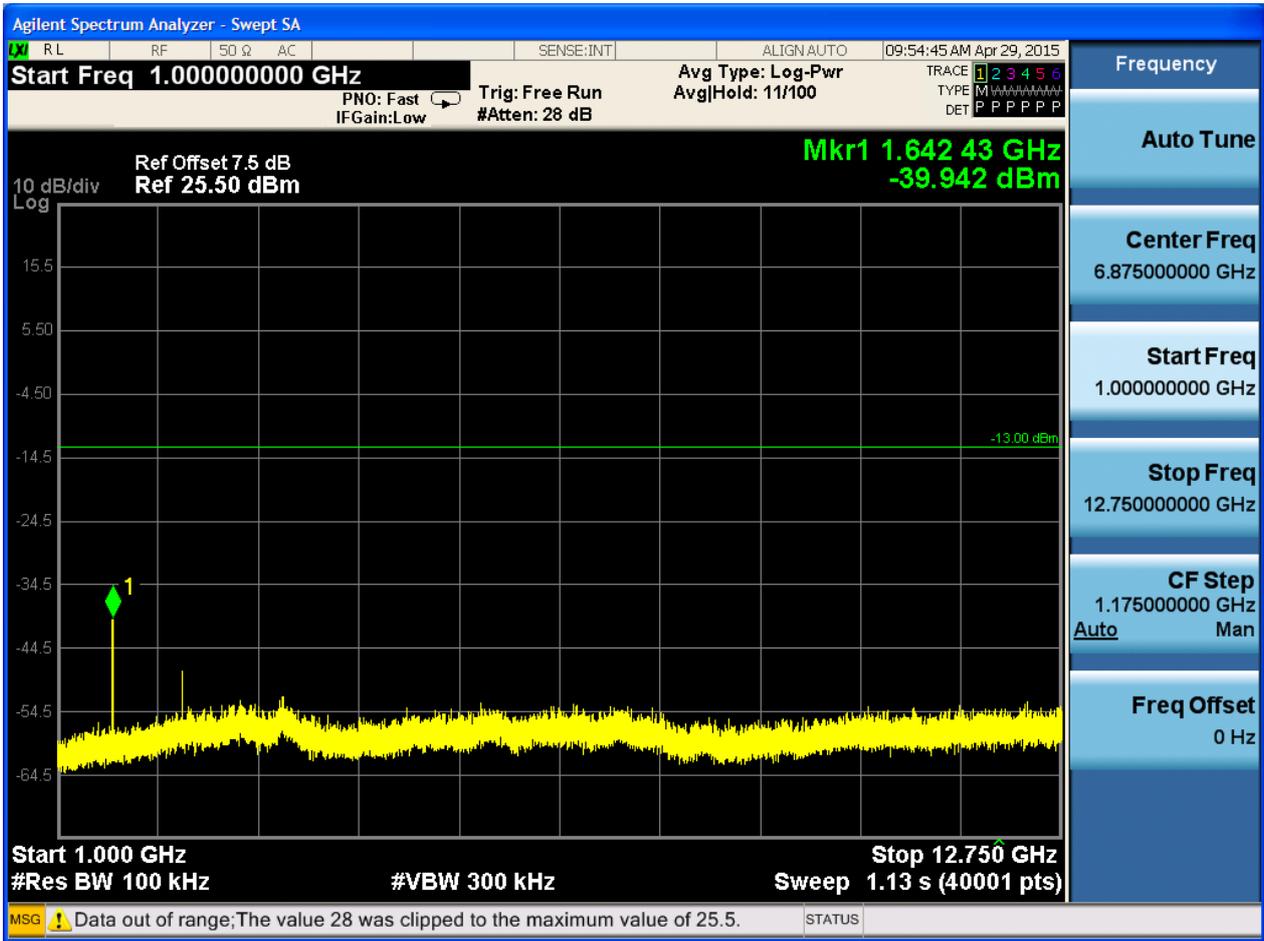


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





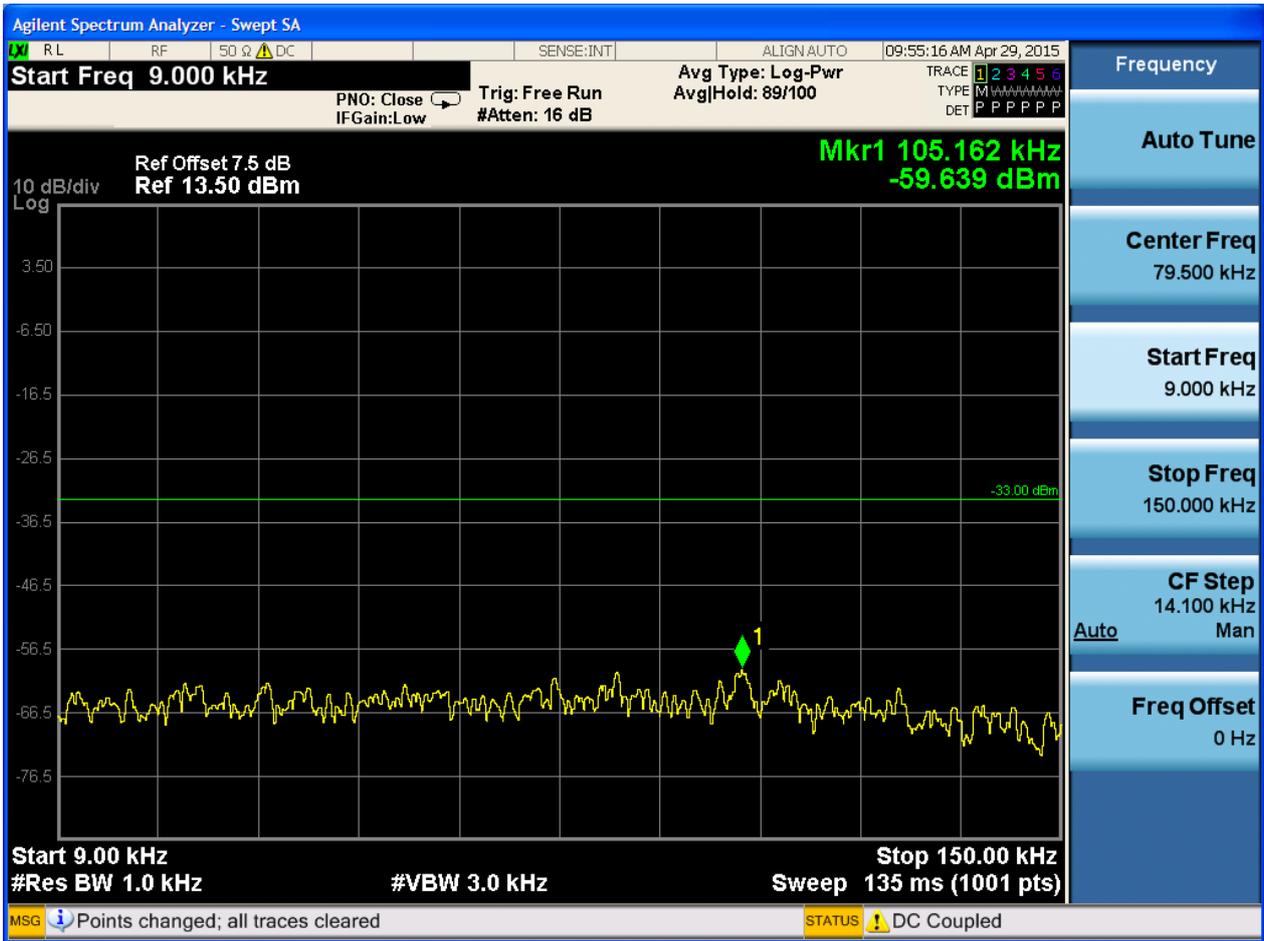




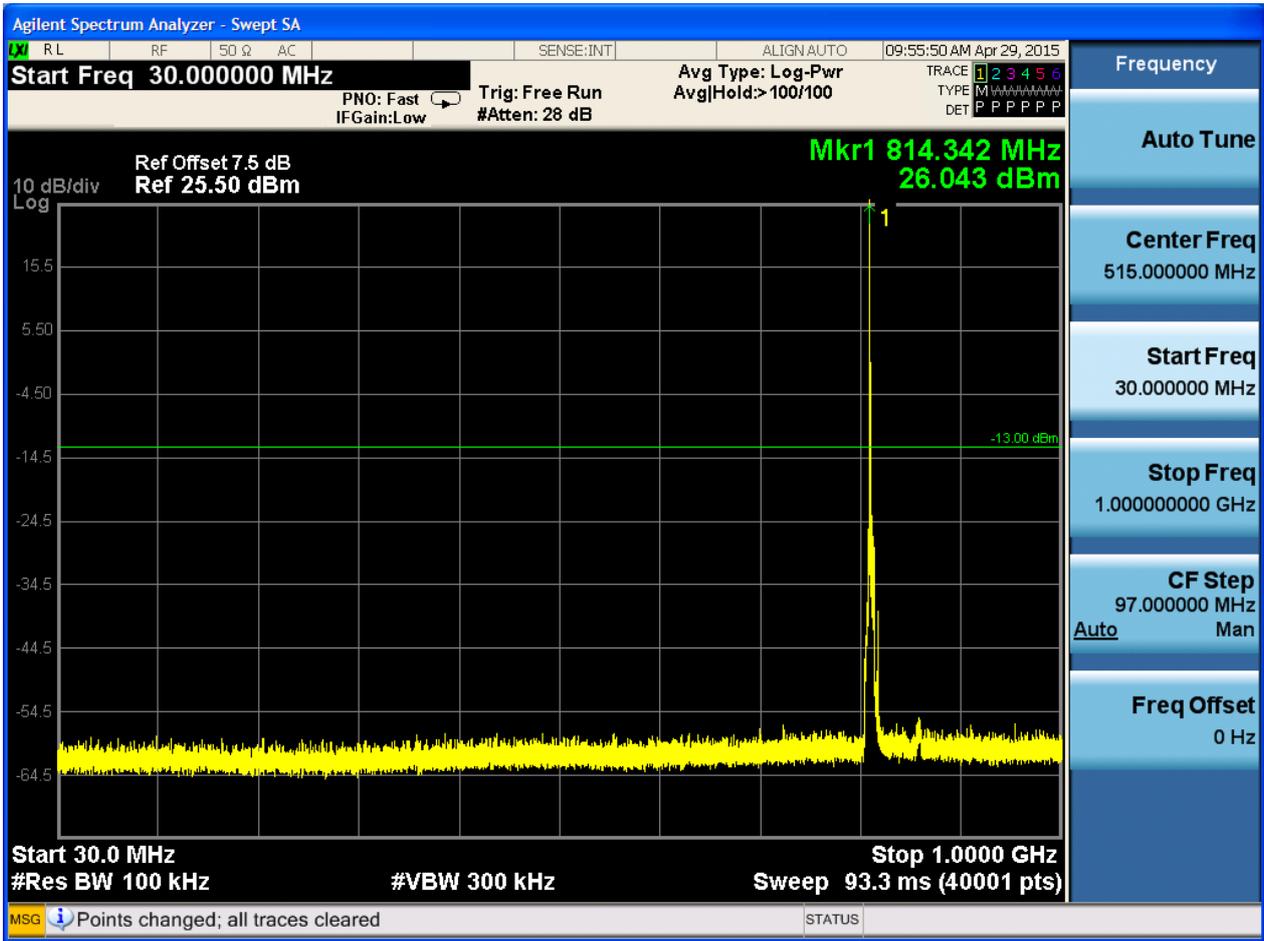
6.1.1.2.3 Test Bandwidth = 5

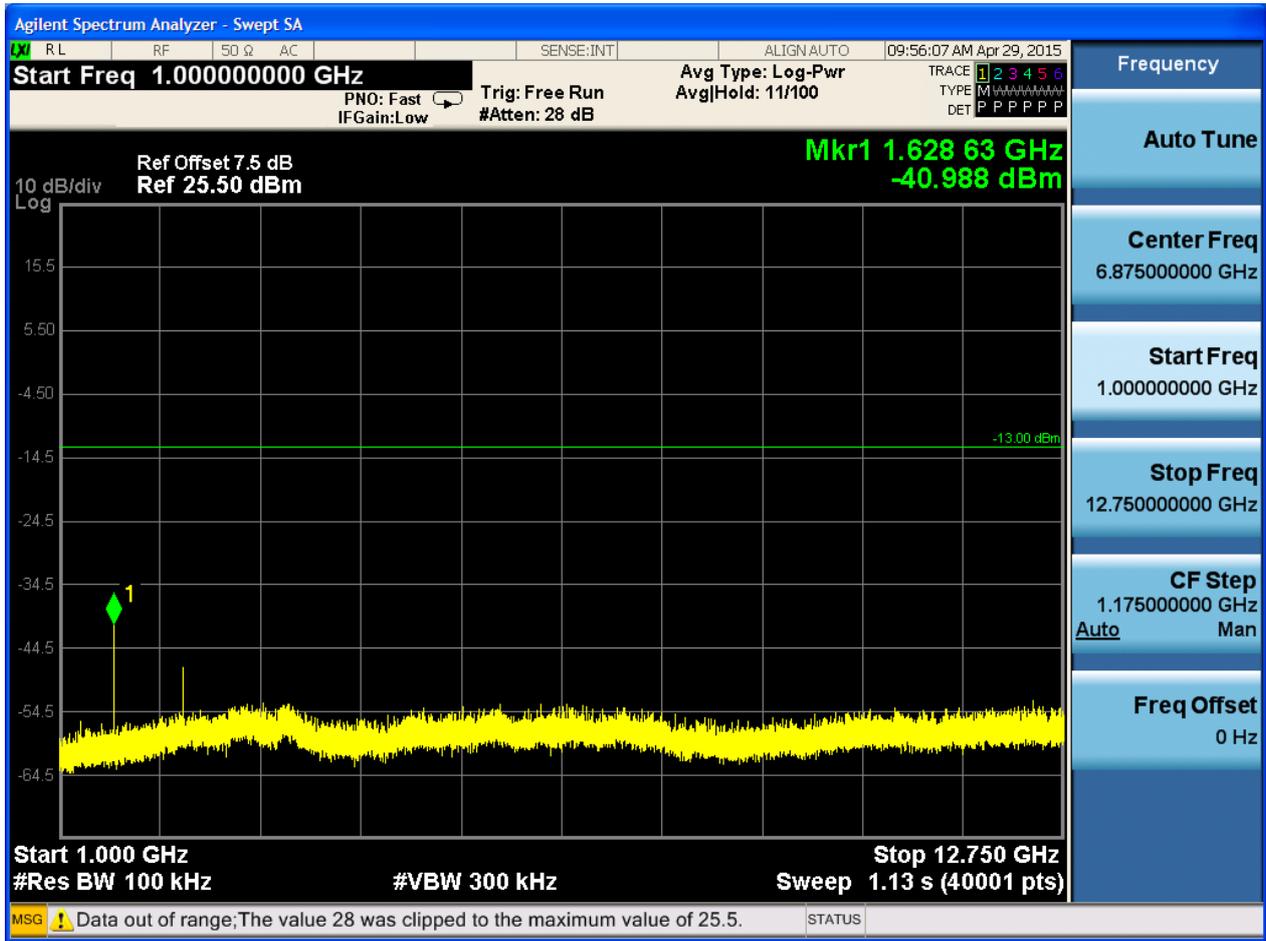
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





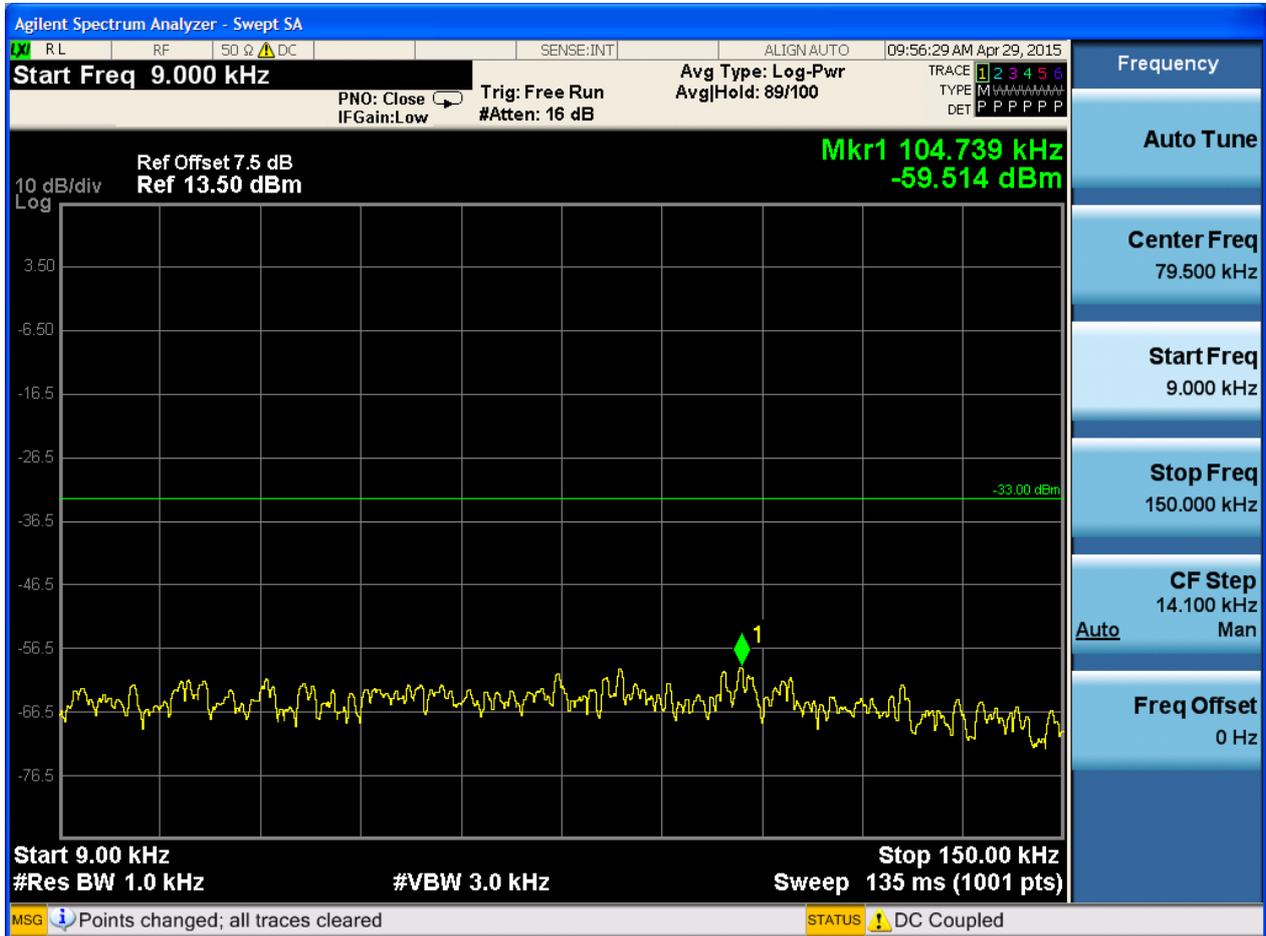


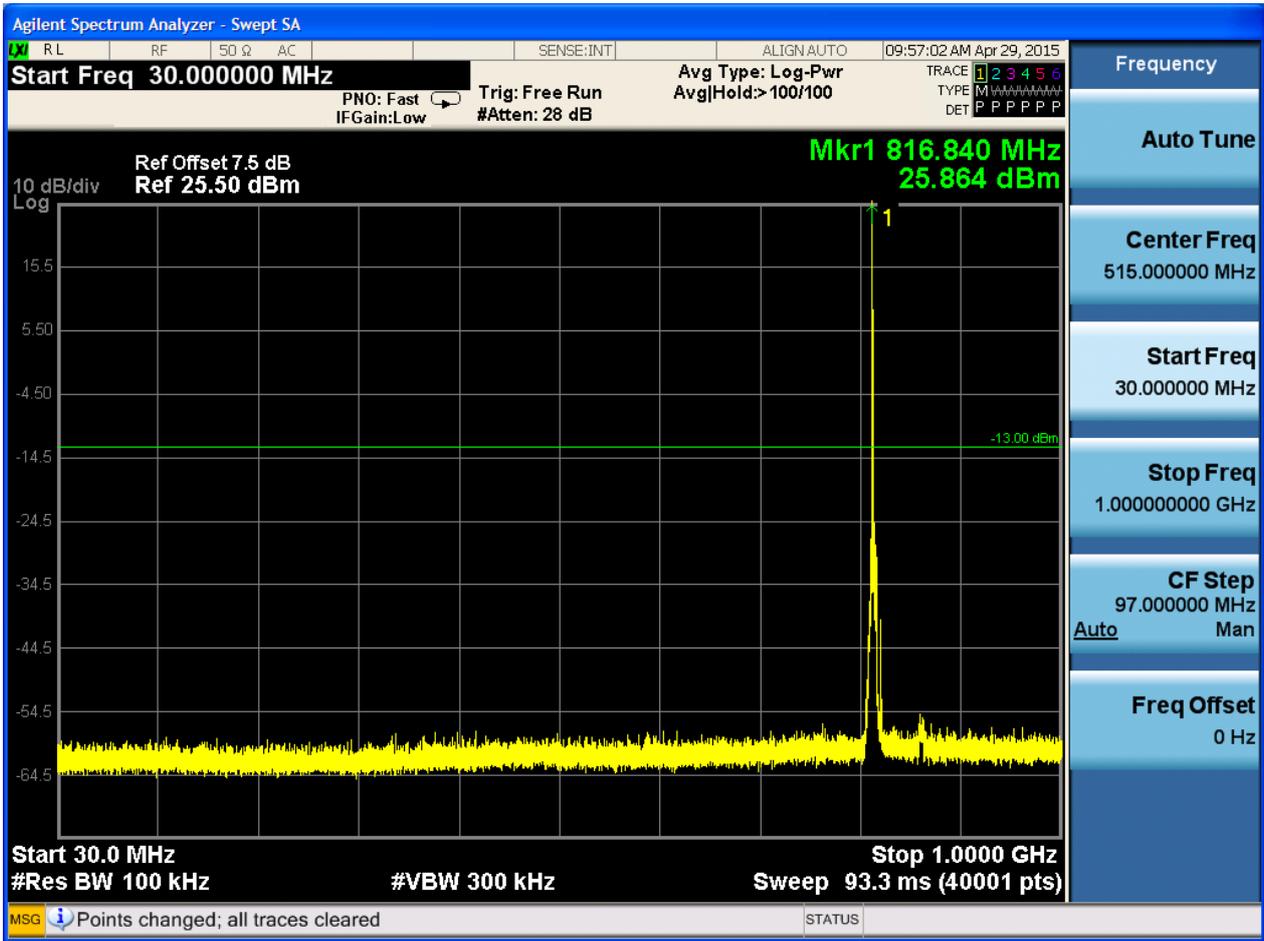


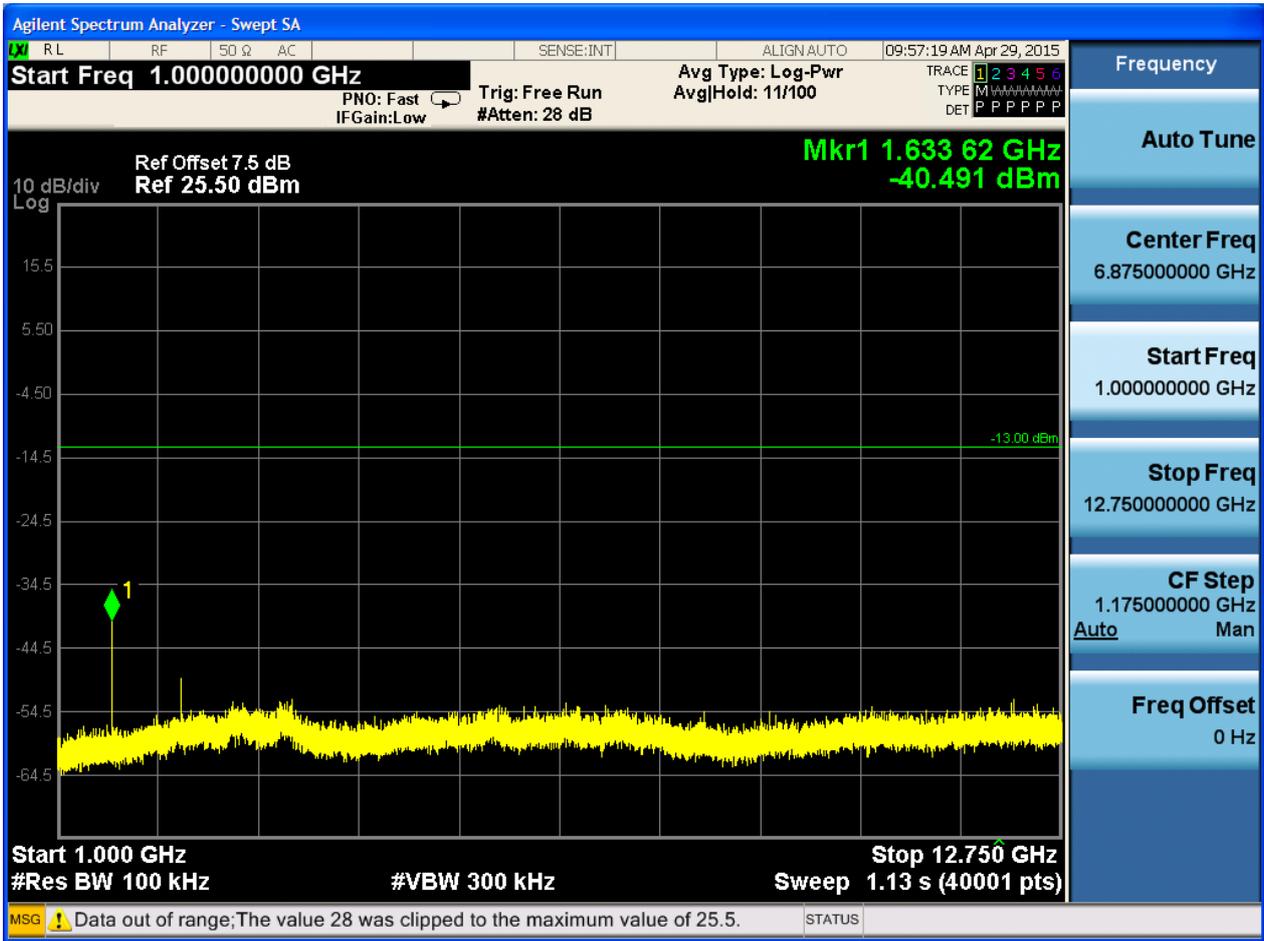


6.1.1.2.3.2 Test Channel = MCH

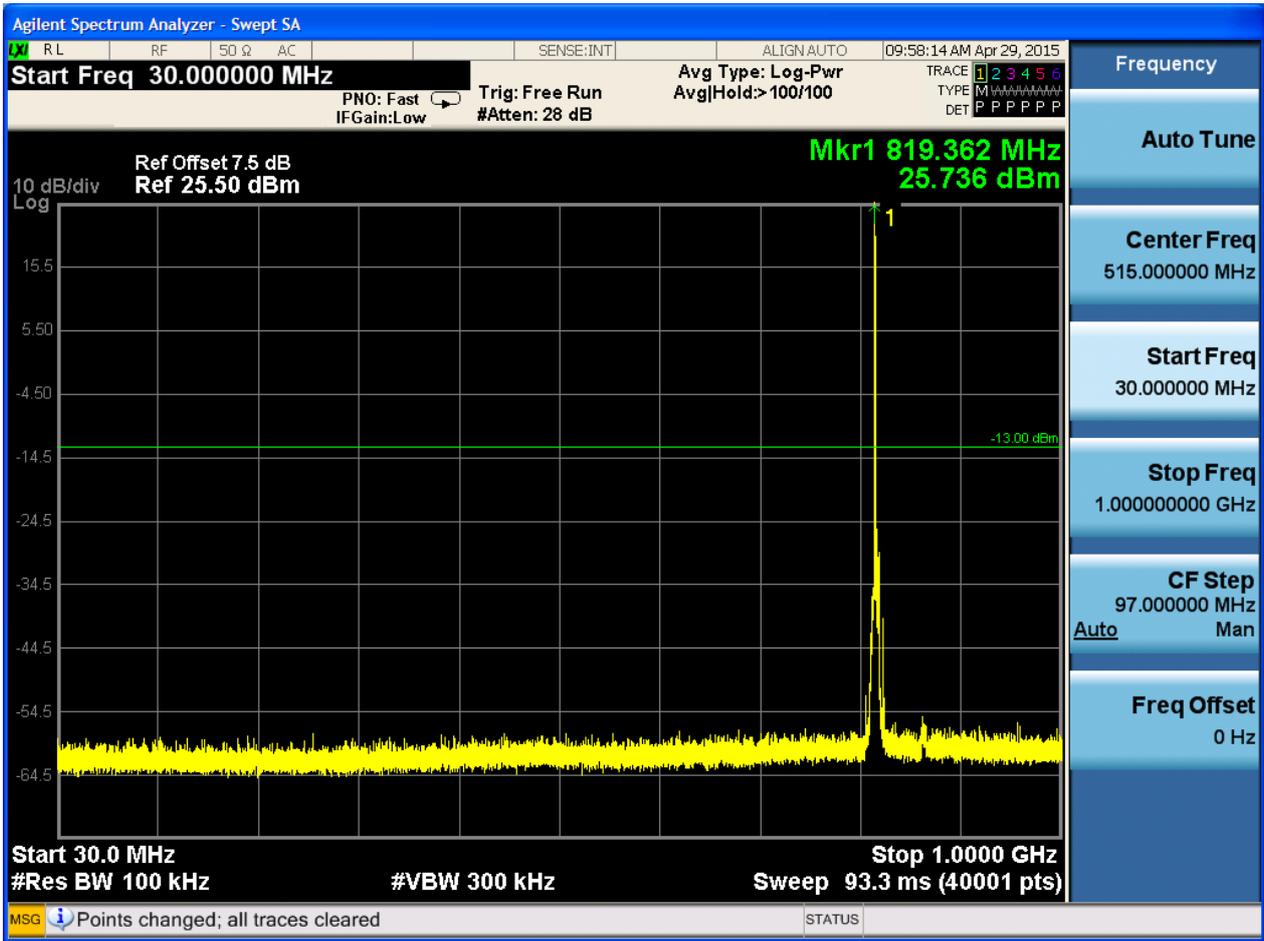
6.1.1.2.3.2.1 Test RB = RB1#0

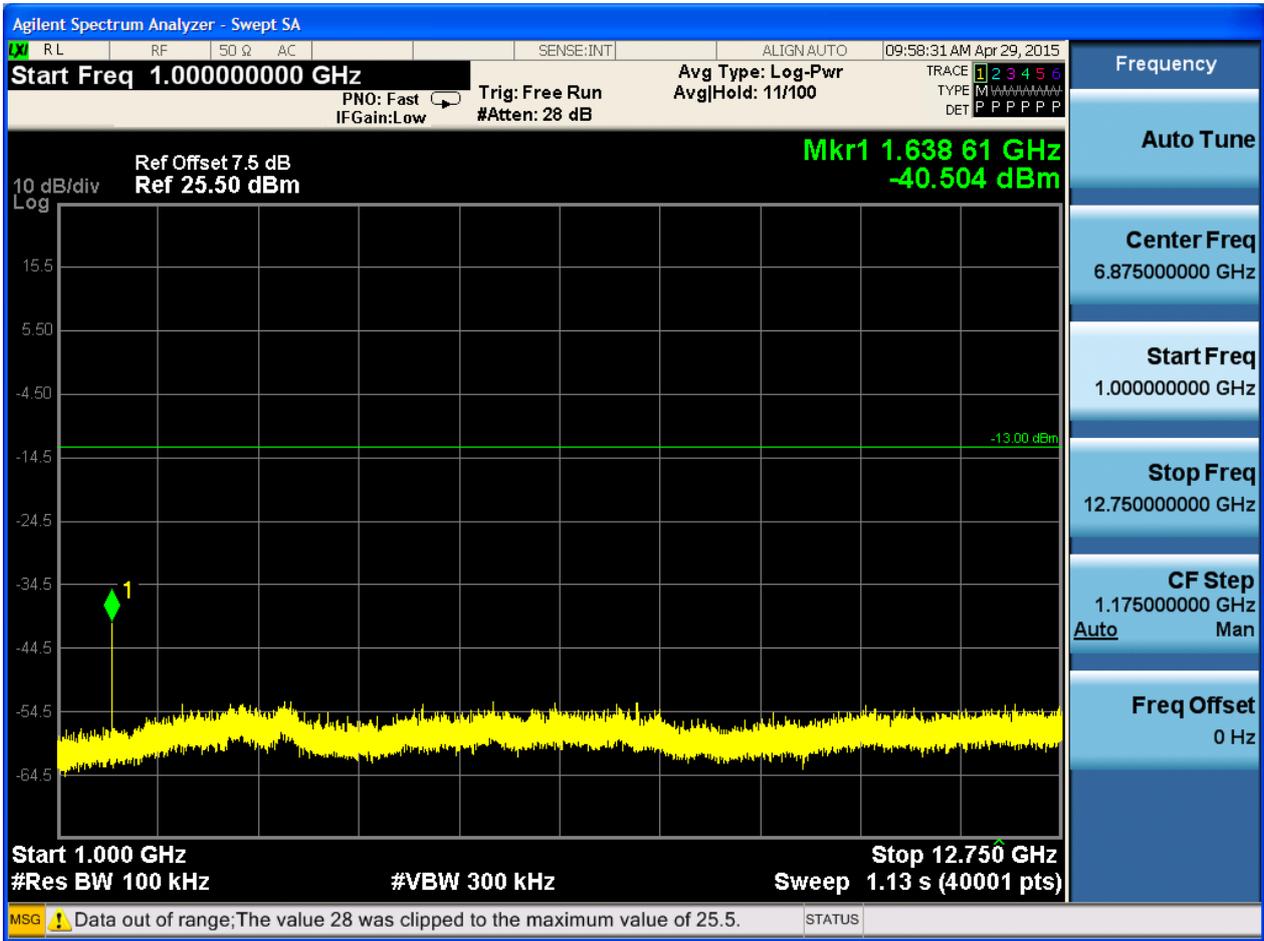


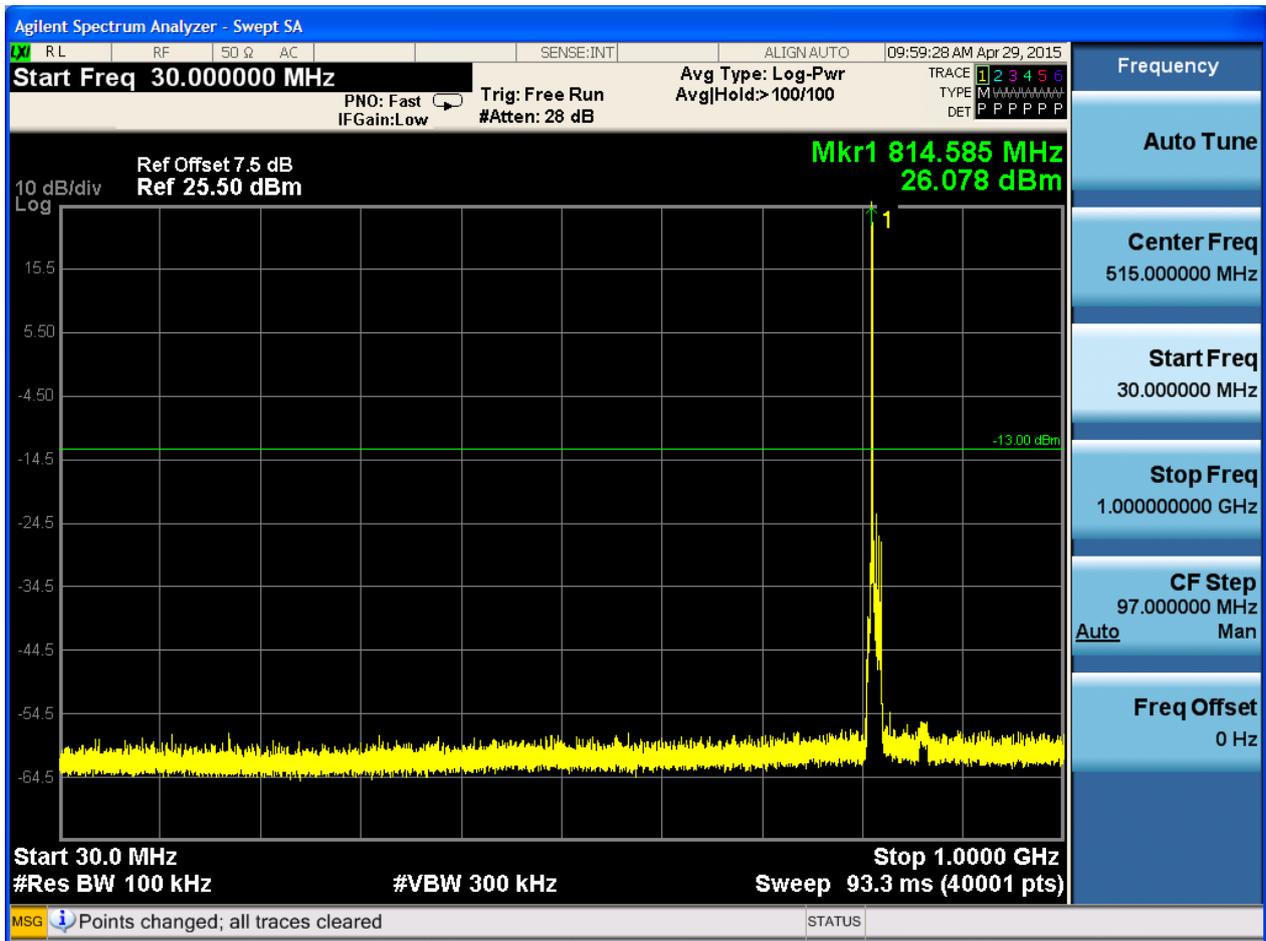


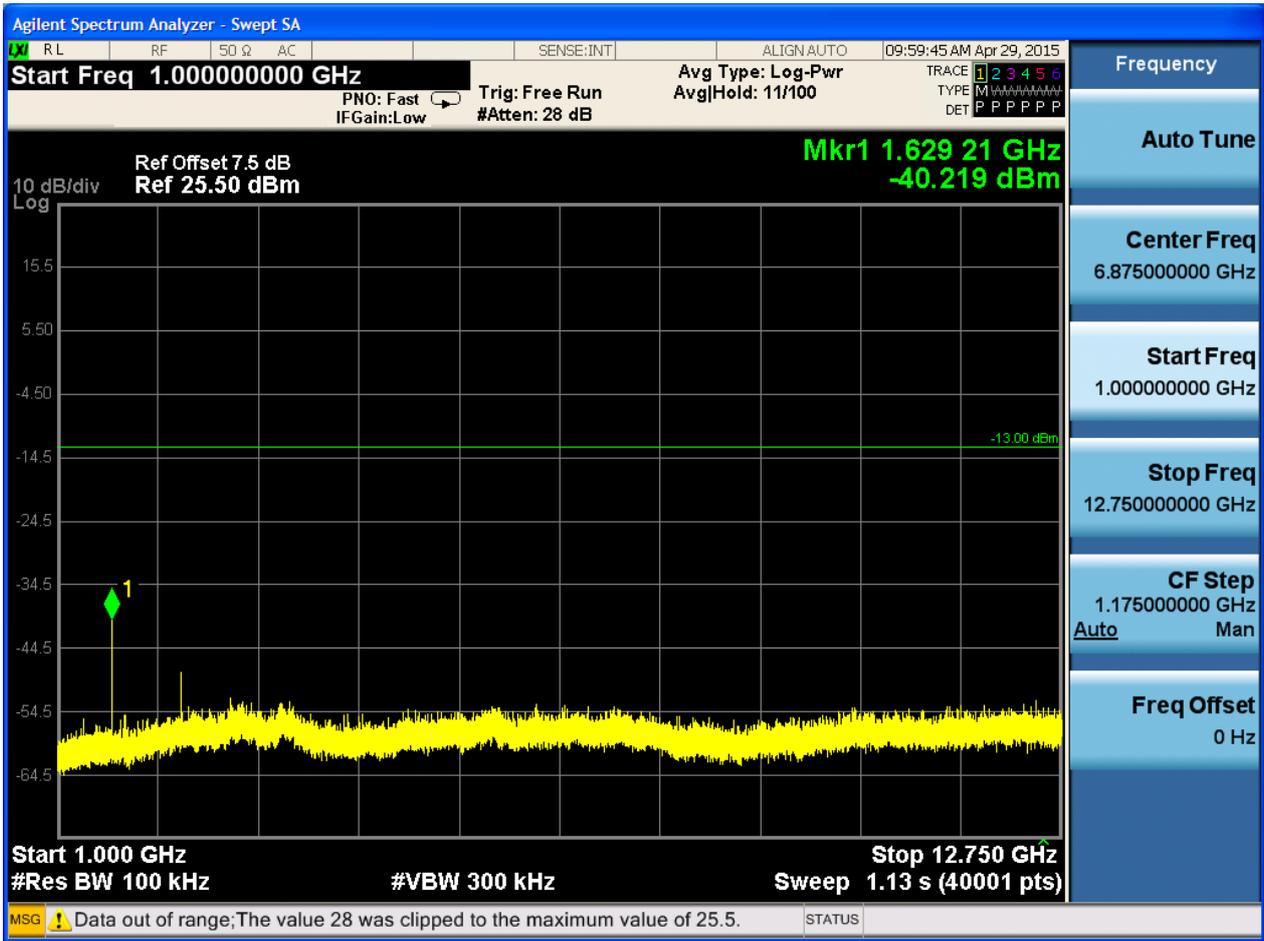


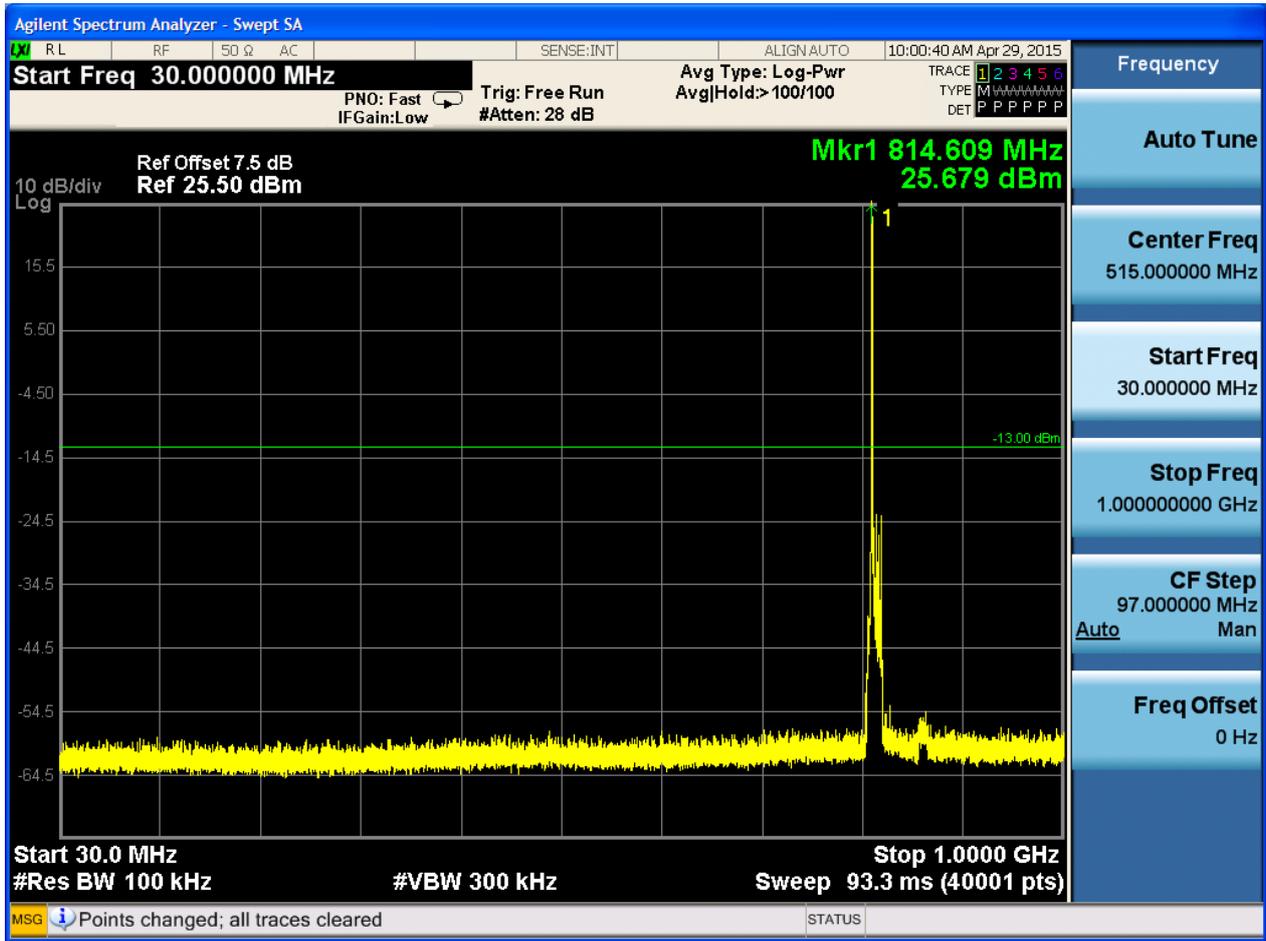


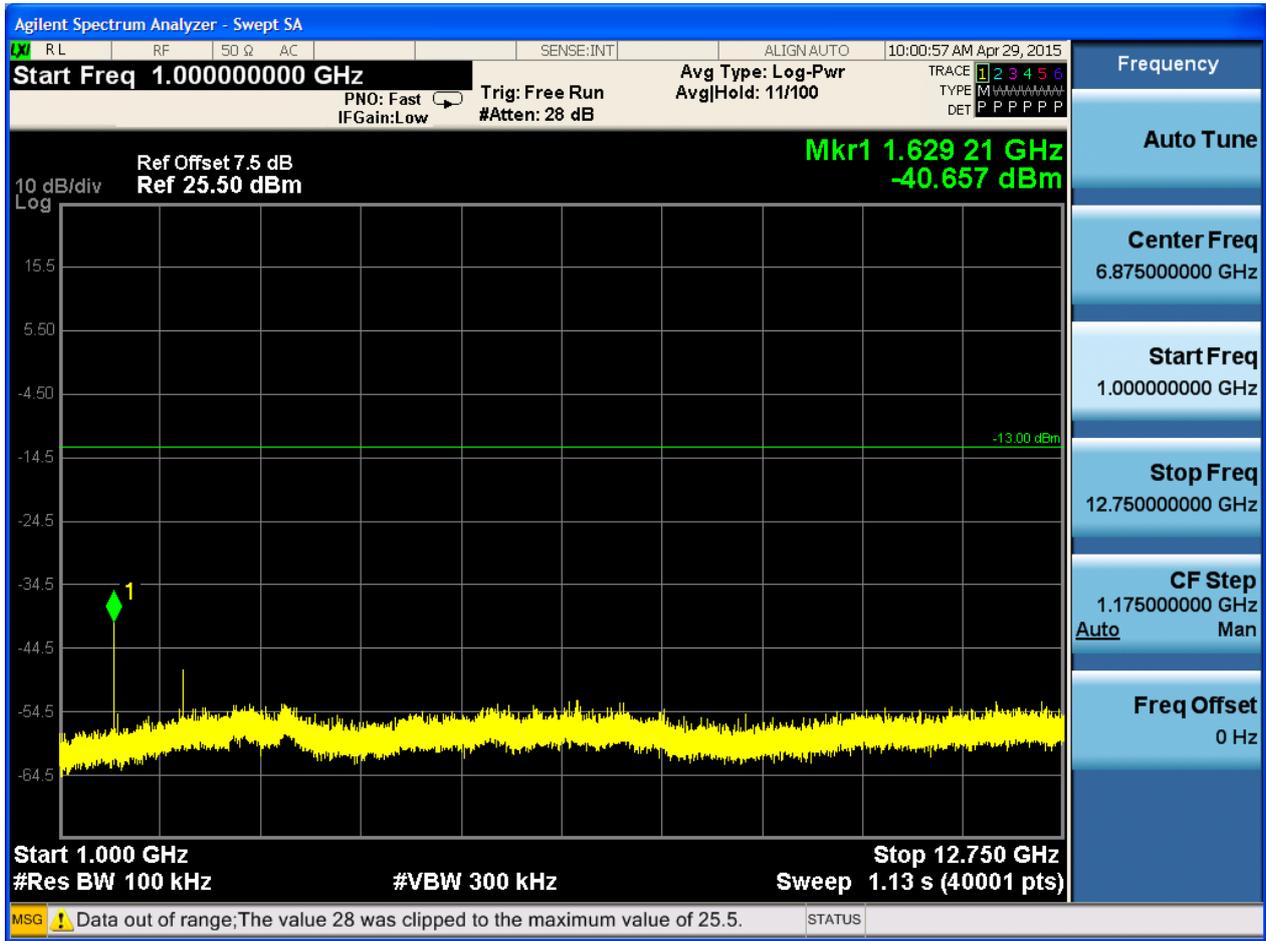








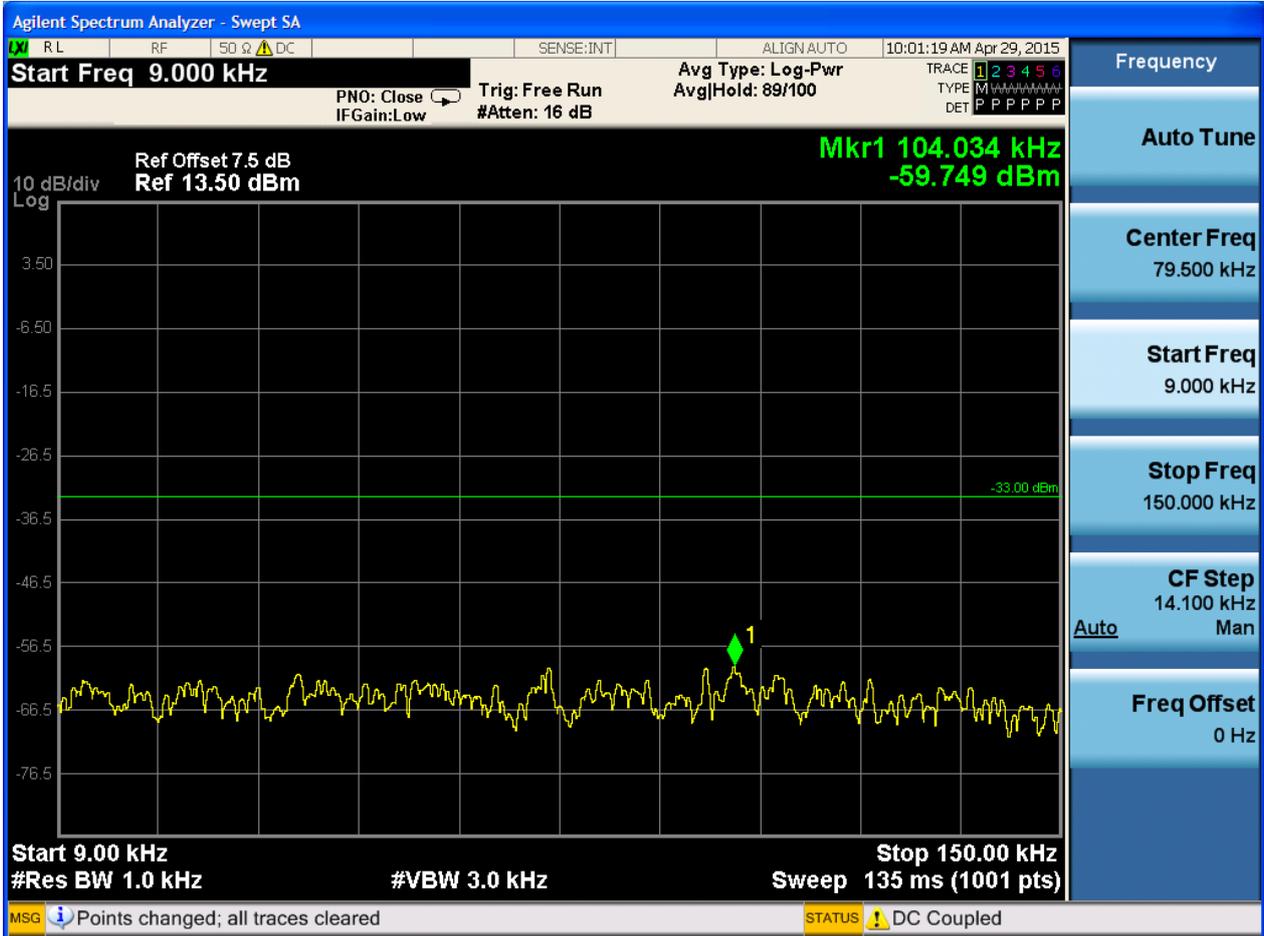




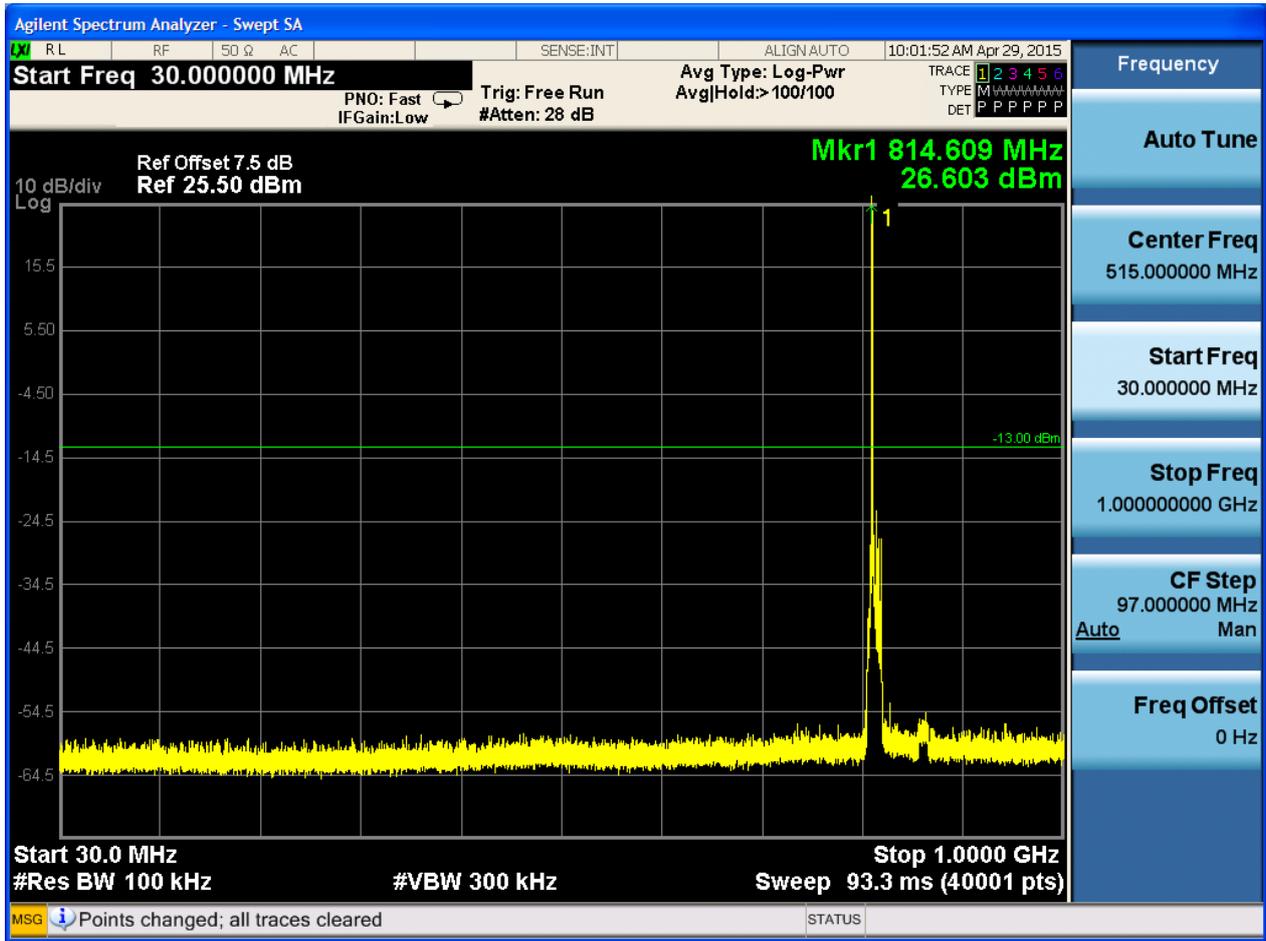


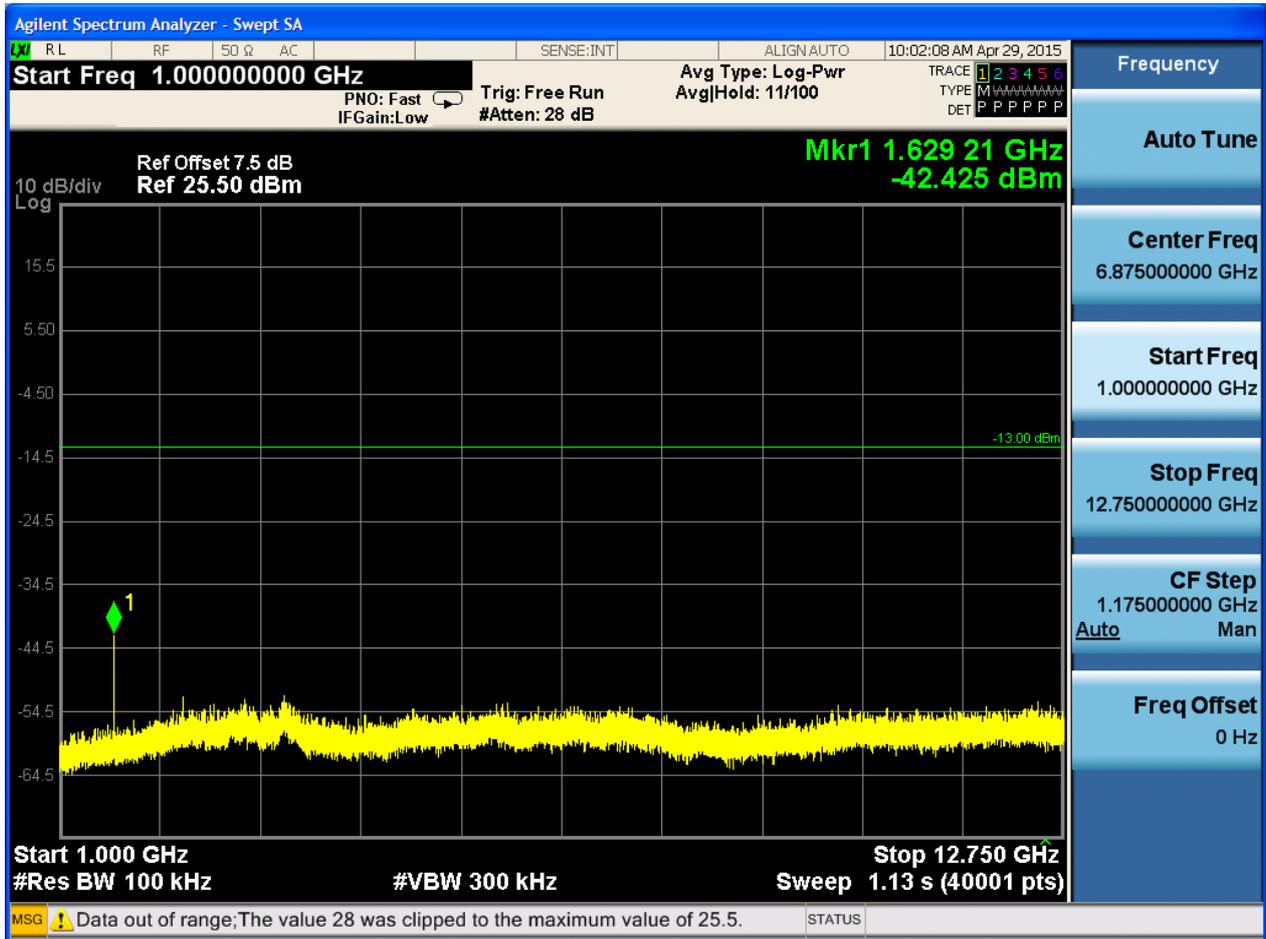
6.1.1.2.4.3 Test Channel = HCH

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

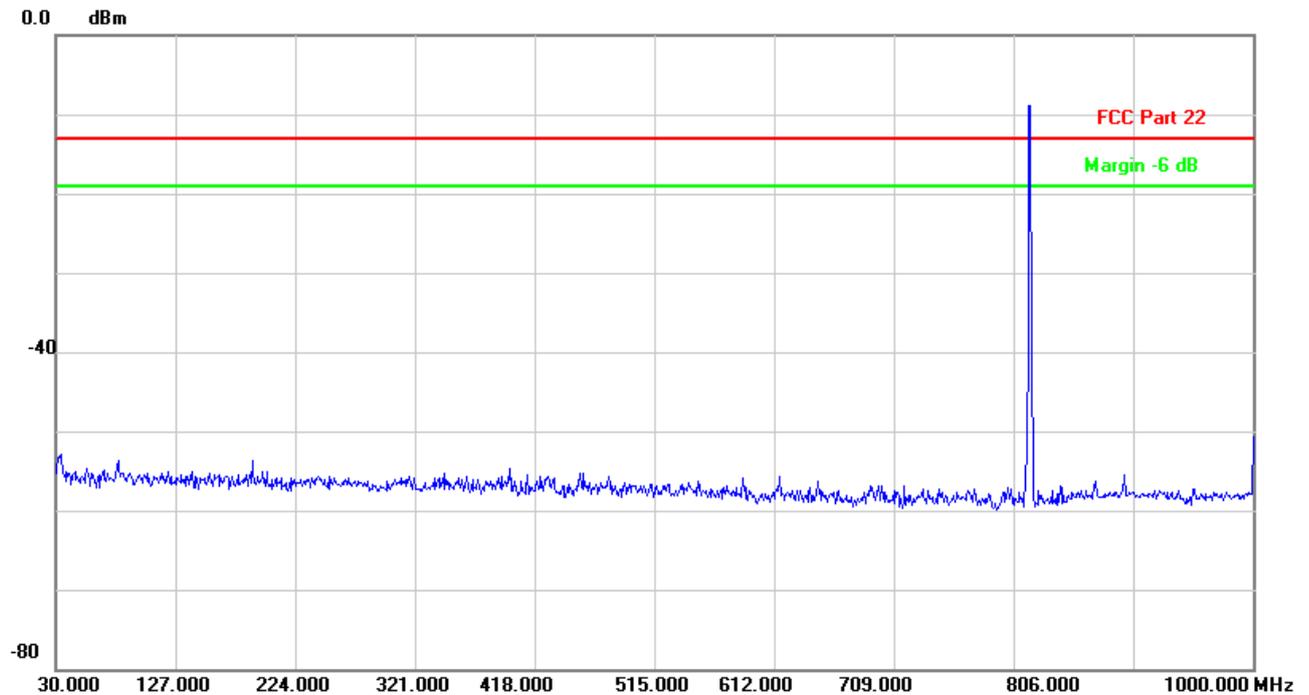
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

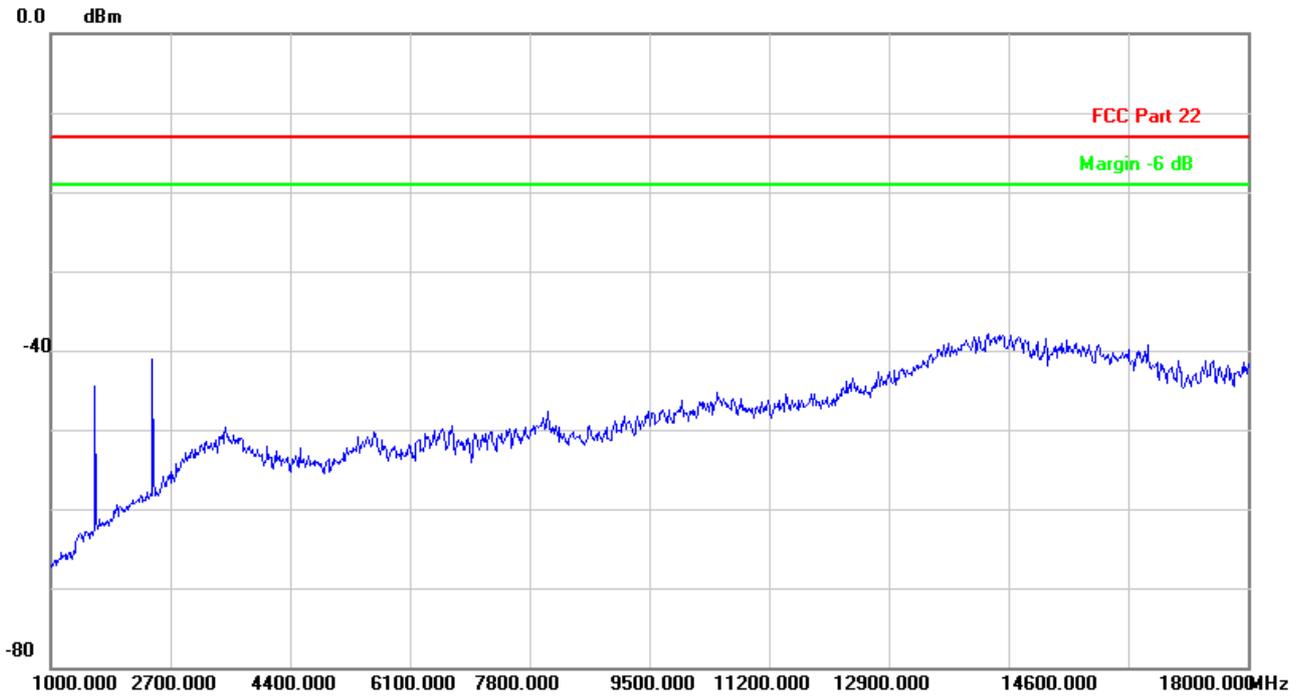
Part I - Test Plots

7.1 For LTE

7.1.1 Test Band = BAND26

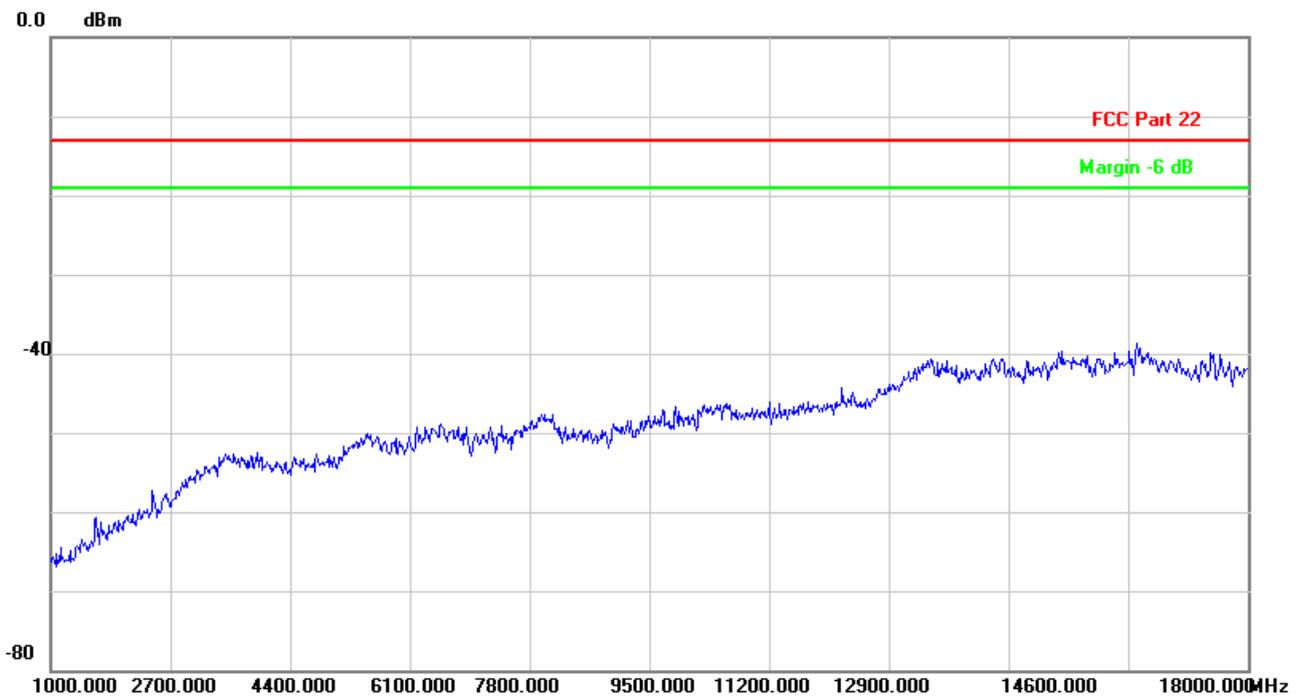
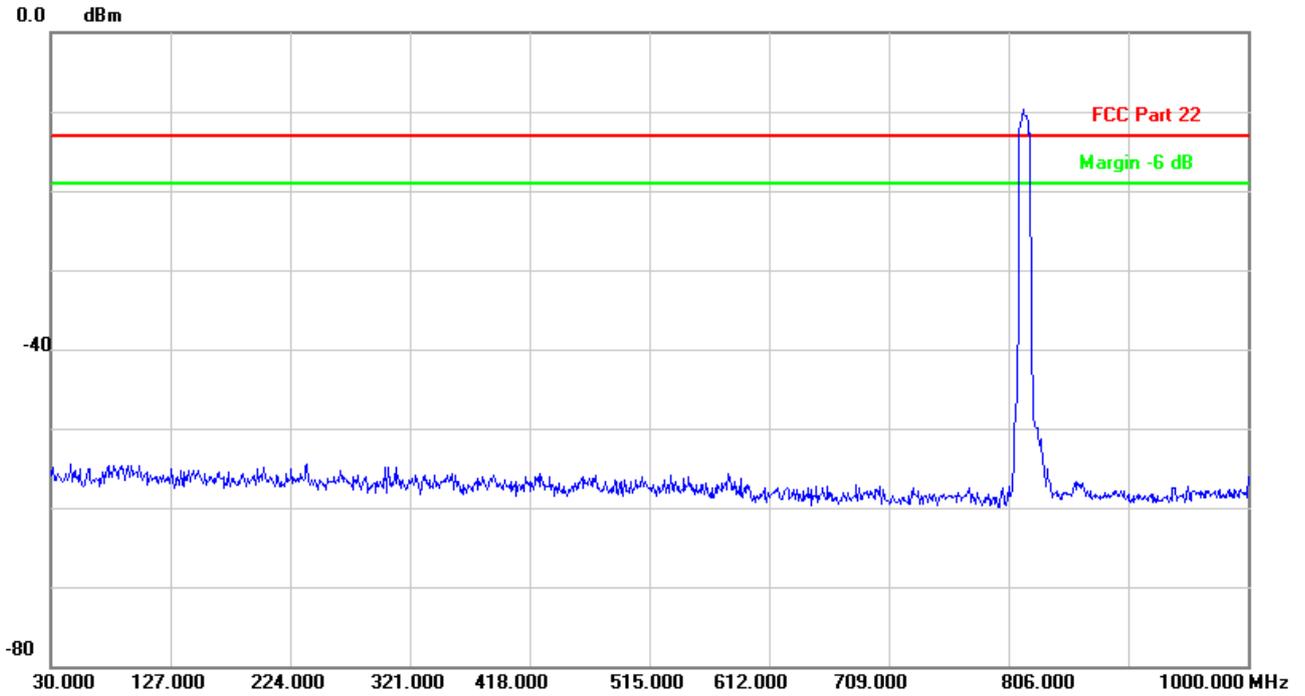
7.1.1.1 Test Bandwidth = 1.4







7.1.1.3 Test Bandwidth = 10





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
BAND26	LTE/TM1	1.4	LCH	TN	VL	0.03	0.00004	PASS
					VN	-2.6	-0.00319	PASS
					VH	0.34	0.00042	PASS
			MCH	TN	VL	-0.03	-0.00004	PASS
					VN	-1.6	-0.00195	PASS
					VH	0.27	0.00033	PASS
			HCH	TN	VL	1.97	0.00239	PASS
					VN	-1.42	-0.00172	PASS
					VH	5.75	0.00698	PASS
		3	LCH	TN	VL	-0.3	-0.00037	PASS
					VN	0.27	0.00033	PASS
					VH	-0.56	-0.00069	PASS
			MCH	TN	VL	-3.23	-0.00394	PASS
					VN	-0.29	-0.00035	PASS
					VH	-2.46	-0.003	PASS
			HCH	TN	VL	0.33	0.0004	PASS
					VN	2.57	0.00312	PASS
					VH	1.02	0.00124	PASS
		5	LCH	TN	VL	1.02	0.00125	PASS
					VN	-0.11	-0.00013	PASS
					VH	0.9	0.0011	PASS
			MCH	TN	VL	-0.34	-0.00042	PASS
					VN	-1.52	-0.00186	PASS
					VH	-2.42	-0.00295	PASS
			HCH	TN	VL	-0.6	-0.00073	PASS
					VN	0.6	0.00073	PASS
					VH	-1.8	-0.00219	PASS
10	LCH	TN	VL	-1.09	-0.00133	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VN	-0.39	-0.00048	PASS
					VH	-1.69	-0.00206	PASS
					VL	-1.32	-0.00161	PASS
					VN	-0.97	-0.00118	PASS
					VH	-1.09	-0.00133	PASS
					VH	-1.09	-0.00133	PASS
			HCH	TN	VL	0	0	PASS
					VN	0.53	0.00065	PASS
					VH	0.17	0.00021	PASS
					VH	0.17	0.00021	PASS
					VH	0.17	0.00021	PASS
					VH	0.17	0.00021	PASS
	LTE/TM2	1.4	LCH	TN	VL	-0.44	-0.00054	PASS
					VN	1.47	0.0018	PASS
					VH	-1.02	-0.00125	PASS
					VH	-1.02	-0.00125	PASS
					VH	-1.02	-0.00125	PASS
					VH	-1.02	-0.00125	PASS
					VH	-1.02	-0.00125	PASS
					VH	-1.02	-0.00125	PASS
					VH	-1.02	-0.00125	PASS
			MCH	TN	VL	-2.68	-0.00327	PASS
					VN	0.3	0.00037	PASS
					VH	-0.72	-0.00088	PASS
					VH	-0.72	-0.00088	PASS
					VH	-0.72	-0.00088	PASS
					VH	-0.72	-0.00088	PASS
			HCH	TN	VL	-0.79	-0.00096	PASS
					VN	-0.29	-0.00035	PASS
					VH	-1.56	-0.00189	PASS
		VH			-1.56	-0.00189	PASS	
		VH			-1.56	-0.00189	PASS	
		VH			-1.56	-0.00189	PASS	
		3	LCH	TN	VL	-1.62	-0.00199	PASS
					VN	2.37	0.00291	PASS
					VH	-0.27	-0.00033	PASS
			MCH	TN	VL	1.3	0.00159	PASS
					VN	-0.23	-0.00028	PASS
					VH	1.36	0.00166	PASS
					VH	1.36	0.00166	PASS
					VH	1.36	0.00166	PASS
					VH	1.36	0.00166	PASS
HCH		TN	VL	-1.57	-0.00191	PASS		
			VN	-1.79	-0.00218	PASS		
			VH	-0.31	-0.00038	PASS		
			VH	-0.31	-0.00038	PASS		
			VH	-0.31	-0.00038	PASS		
			VH	-0.31	-0.00038	PASS		
5	LCH	TN	VL	0.96	0.00118	PASS		
			VN	0.47	0.00058	PASS		
			VH	-0.37	-0.00045	PASS		
			VH	-0.37	-0.00045	PASS		
			VH	-0.37	-0.00045	PASS		
			VH	-0.37	-0.00045	PASS		
	MCH	TN	VL	0.41	0.0005	PASS		
			VN	-4.38	-0.00535	PASS		
			VH	-1.32	-0.00161	PASS		
			VH	-1.32	-0.00161	PASS		
			VH	-1.32	-0.00161	PASS		
			VH	-1.32	-0.00161	PASS		
HCH	TN	VL	-0.89	-0.00108	PASS			
		VN	-0.36	-0.00044	PASS			
		VH	-0.56	-0.00068	PASS			
		VH	-0.56	-0.00068	PASS			
		VH	-0.56	-0.00068	PASS			
		VH	-0.56	-0.00068	PASS			
10	LCH	TN	VL	-1.47	-0.00179	PASS		
			VN	-0.93	-0.00114	PASS		
			VH	-1.36	-0.00166	PASS		
	MCH	TN	VL	-0.7	-0.00085	PASS		
			VH	-1.36	-0.00166	PASS		
			VH	-1.36	-0.00166	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					VN	-2.37	-0.00289	PASS	
					VH	-0.34	-0.00042	PASS	
			HCH		TN	VL	-1.02	-0.00125	PASS
			VN		-1.29	-0.00158	PASS		
			VH		-2.59	-0.00316	PASS		

8.1.2 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
BAND26	LTE/TM1	1.4	LCH	VN	-30	-5.69	-0.00698	PASS
					-20	-5.39	-0.00662	PASS
					-10	0.41	0.0005	PASS
					0	-4.12	-0.00506	PASS
					10	-3.3	-0.00405	PASS
					20	1.62	0.00199	PASS
					30	0.92	0.00113	PASS
					40	-0.16	-0.0002	PASS
					50	-6.44	-0.0079	PASS
			MCH	VN	-30	-0.94	-0.00115	PASS
					-20	-6.04	-0.00737	PASS
					-10	-2.06	-0.00252	PASS
					0	-1.17	-0.00143	PASS
					10	1.82	0.00222	PASS
					20	2.32	0.00283	PASS
					30	-4.28	-0.00523	PASS
					40	-1.03	-0.00126	PASS
					50	-6.18	-0.00755	PASS
			HCH	VN	-30	1.27	0.00154	PASS
					-20	-4.35	-0.00528	PASS
					-10	-1.7	-0.00206	PASS
					0	-2.69	-0.00327	PASS
					10	3.08	0.00374	PASS
					20	-6.88	-0.00836	PASS
					30	-3.09	-0.00375	PASS
					40	-0.64	-0.00078	PASS
					50	-0.53	-0.00064	PASS
		3	LCH	VN	-30	-0.87	-0.00107	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	0.9	0.0011	PASS	
					-10	-2.25	-0.00276	PASS	
					0	-0.74	-0.00091	PASS	
					10	-2.49	-0.00305	PASS	
					20	-3.42	-0.00419	PASS	
					30	-4.18	-0.00513	PASS	
					40	1.9	0.00233	PASS	
					50	-2.73	-0.00335	PASS	
			MCH	VN	-30	1.24	0.00151	PASS	
					-20	-2.55	-0.00311	PASS	
					-10	0.34	0.00042	PASS	
					0	-3.68	-0.00449	PASS	
					10	-3.32	-0.00405	PASS	
					20	1.56	0.0019	PASS	
					30	-2.07	-0.00253	PASS	
					40	1.43	0.00175	PASS	
			HCH	VN	-30	-1.29	-0.00157	PASS	
					-20	0.46	0.00056	PASS	
					-10	-2.46	-0.00299	PASS	
					0	0.74	0.0009	PASS	
					10	-2.42	-0.00294	PASS	
					20	0.62	0.00075	PASS	
					30	-0.63	-0.00077	PASS	
					40	0.6	0.00073	PASS	
			5	LCH	VN	-30	-1.97	-0.00241	PASS
						-20	0.69	0.00085	PASS
						-10	-1.89	-0.00231	PASS
						0	-0.92	-0.00113	PASS
		10				-0.62	-0.00076	PASS	
		20				-0.63	-0.00077	PASS	
		30				-0.07	-0.00009	PASS	
		40				0.64	0.00078	PASS	
		50		0.31	0.00038	PASS			
		MCH		VN	-30	-1.76	-0.00215	PASS	
					-20	-1.1	-0.00134	PASS	
					-10	-1.44	-0.00176	PASS	
			0		-1.95	-0.00238	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-0.93	-0.00114	PASS
					20	-0.56	-0.00068	PASS
					30	-0.29	-0.00035	PASS
					40	-2.19	-0.00267	PASS
					50	1.57	0.00192	PASS
			HCH	VN	-30	0.3	0.00037	PASS
					-20	1.33	0.00162	PASS
					-10	0.29	0.00035	PASS
					0	-1.16	-0.00141	PASS
					10	0.93	0.00113	PASS
					20	-1.16	-0.00141	PASS
					30	-0.63	-0.00077	PASS
					40	-1.34	-0.00163	PASS
					50	0.19	0.00023	PASS
					LCH	VN	-30	0.82
		-20	-0.63	-0.00077			PASS	
		-10	-0.69	-0.00084			PASS	
		0	-0.14	-0.00017			PASS	
		10	-0.53	-0.00065			PASS	
		20	-0.73	-0.00089			PASS	
		30	0.94	0.00115			PASS	
		40	-1.57	-0.00192			PASS	
		50	0.24	0.00029			PASS	
		MCH	VN	-30			-0.86	-0.00105
				-20	-0.44	-0.00054	PASS	
				-10	0.46	0.00056	PASS	
				0	0.37	0.00045	PASS	
				10	-0.5	-0.00061	PASS	
				20	-0.34	-0.00042	PASS	
				30	-0.24	-0.00029	PASS	
				40	-0.57	-0.0007	PASS	
		HCH	VN	50	0.37	0.00045	PASS	
				-30	0.16	0.0002	PASS	
				-20	-0.56	-0.00068	PASS	
				-10	0.76	0.00093	PASS	
				0	-0.44	-0.00054	PASS	
10	-0.59			-0.00072	PASS			
20	-0.9			-0.0011	PASS			
30	1	0.00122	PASS					
10								



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	VN	40	-0.21	-0.00026	PASS
					50	0.19	0.00023	PASS
					-30	-6.9	-0.00847	PASS
					-20	1.53	0.00188	PASS
					-10	0.7	0.00086	PASS
					0	0.77	0.00095	PASS
					10	-0.21	-0.00026	PASS
					20	-2.09	-0.00257	PASS
					30	-3.09	-0.00379	PASS
			40	-2.75	-0.00338	PASS		
			50	-1.29	-0.00158	PASS		
			MCH	VN	-30	-2.95	-0.0036	PASS
					-20	-0.43	-0.00053	PASS
					-10	-0.7	-0.00085	PASS
					0	-3.16	-0.00386	PASS
					10	0.89	0.00109	PASS
					20	-3.66	-0.00447	PASS
					30	-4.65	-0.00568	PASS
		40			0.16	0.0002	PASS	
		50			0.99	0.00121	PASS	
		HCH	VN	-30	1.57	0.00191	PASS	
				-20	-1.73	-0.0021	PASS	
				-10	-1.02	-0.00124	PASS	
				0	-1.56	-0.00189	PASS	
				10	0.47	0.00057	PASS	
				20	-4.75	-0.00577	PASS	
				30	1.32	0.0016	PASS	
				40	-0.73	-0.00089	PASS	
				50	5.29	0.00643	PASS	
		3	LCH	VN	-30	1.72	0.00211	PASS
					-20	4.19	0.00514	PASS
					-10	-1.2	-0.00147	PASS
					0	1.19	0.00146	PASS
10	-0.53				-0.00065	PASS		
20	-2.29				-0.00281	PASS		
30	-2.68				-0.00329	PASS		
40	-0.74				-0.00091	PASS		
50	-2.43				-0.00298	PASS		
MCH	VN		-30	1.43	0.00175	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-0.73	-0.00089	PASS
					-10	-1.7	-0.00208	PASS
					0	-0.29	-0.00035	PASS
					10	-3.05	-0.00372	PASS
					20	0.03	0.00004	PASS
					30	1.83	0.00223	PASS
					40	-0.72	-0.00088	PASS
					50	0.19	0.00023	PASS
			HCH	VN	-30	-1.65	-0.00201	PASS
					-20	-0.16	-0.00019	PASS
					-10	1.89	0.0023	PASS
					0	1.63	0.00198	PASS
					10	1.23	0.0015	PASS
					20	0.93	0.00113	PASS
					30	2.39	0.00291	PASS
					40	0.99	0.0012	PASS
		LCH	VN	-30	0.69	0.00085	PASS	
				-20	1.13	0.00138	PASS	
				-10	1.53	0.00187	PASS	
				0	0.87	0.00107	PASS	
				10	0.6	0.00073	PASS	
				20	-0.7	-0.00086	PASS	
				30	1.59	0.00195	PASS	
				40	0.9	0.0011	PASS	
		MCH	VN	-30	-3.69	-0.00451	PASS	
				-20	-0.27	-0.00033	PASS	
				-10	-1.47	-0.00179	PASS	
				0	-1.86	-0.00227	PASS	
				10	-1.63	-0.00199	PASS	
				20	-1.47	-0.00179	PASS	
				30	-3.18	-0.00388	PASS	
				40	0.43	0.00053	PASS	
		HCH	VN	-30	-0.73	-0.00089	PASS	
				-20	1.67	0.00203	PASS	
				-10	-0.8	-0.00097	PASS	
				0	1.36	0.00166	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-0.67	-0.00082	PASS		
					20	-3.23	-0.00393	PASS		
					30	1.36	0.00166	PASS		
					40	0.34	0.00041	PASS		
					50	-2.32	-0.00282	PASS		
		10	LCH	VN	-30	-0.72	-0.00088	PASS		
					-20	-0.86	-0.00105	PASS		
					-10	-1.29	-0.00158	PASS		
					0	-3.05	-0.00372	PASS		
					10	-1.27	-0.00155	PASS		
					20	-1.46	-0.00178	PASS		
					30	-2.53	-0.00309	PASS		
					40	-1.59	-0.00194	PASS		
					50	-0.01	-0.00001	PASS		
					MCH	VN	-30	0.14	0.00017	PASS
							-20	0.06	0.00007	PASS
							-10	0.06	0.00007	PASS
							0	-1.03	-0.00126	PASS
							10	-1.29	-0.00158	PASS
							20	0.21	0.00026	PASS
			30	-1.52			-0.00186	PASS		
			40	-0.83			-0.00101	PASS		
			HCH	VN	-30	-0.41	-0.0005	PASS		
					-20	-0.6	-0.00073	PASS		
					-10	-0.17	-0.00021	PASS		
					0	-0.66	-0.00081	PASS		
					10	-1.52	-0.00186	PASS		
					20	-2.03	-0.00248	PASS		
					30	-1.47	-0.00179	PASS		
					40	-1.67	-0.00204	PASS		
			50	0.4	0.00049	PASS				

END