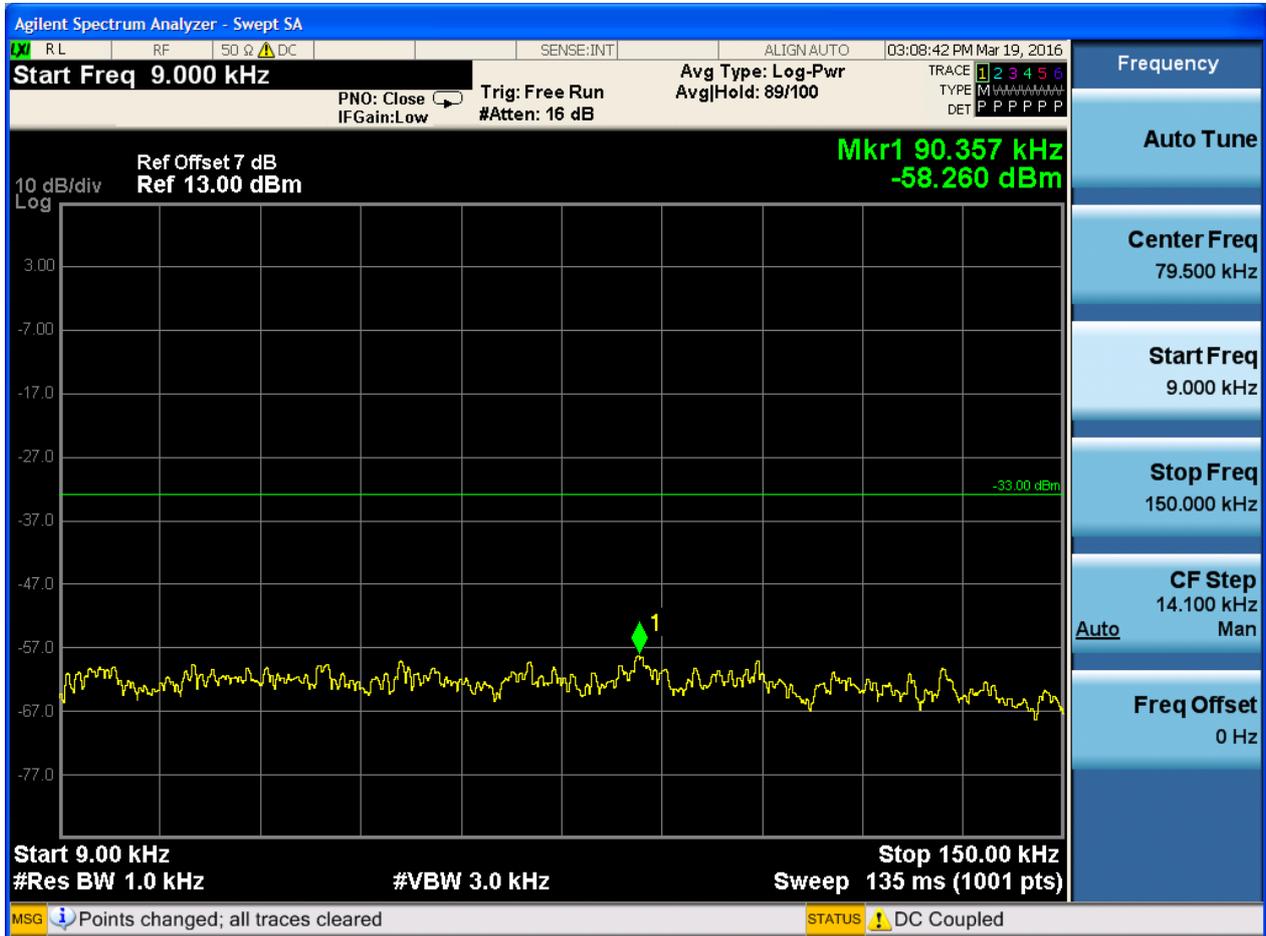
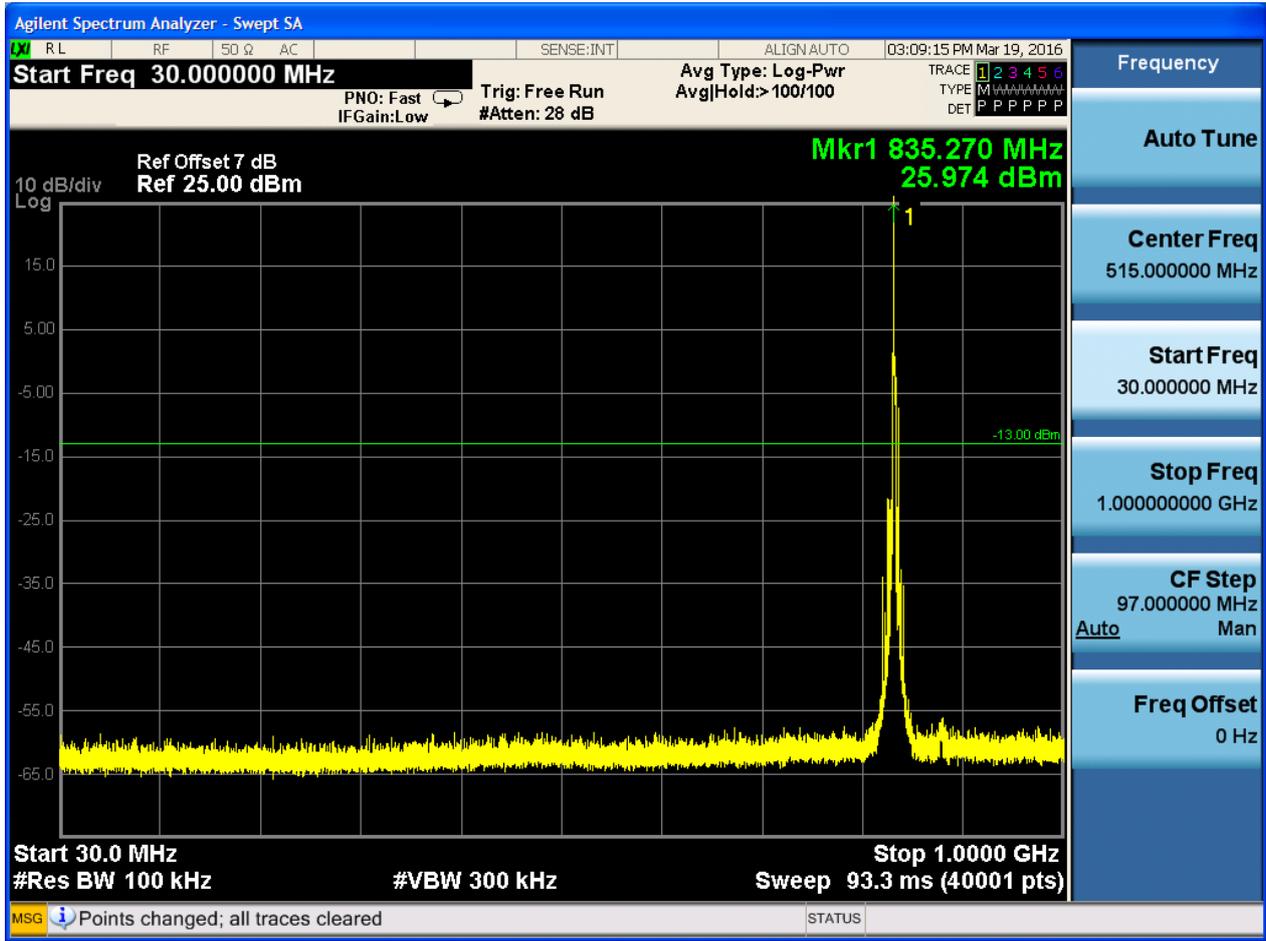


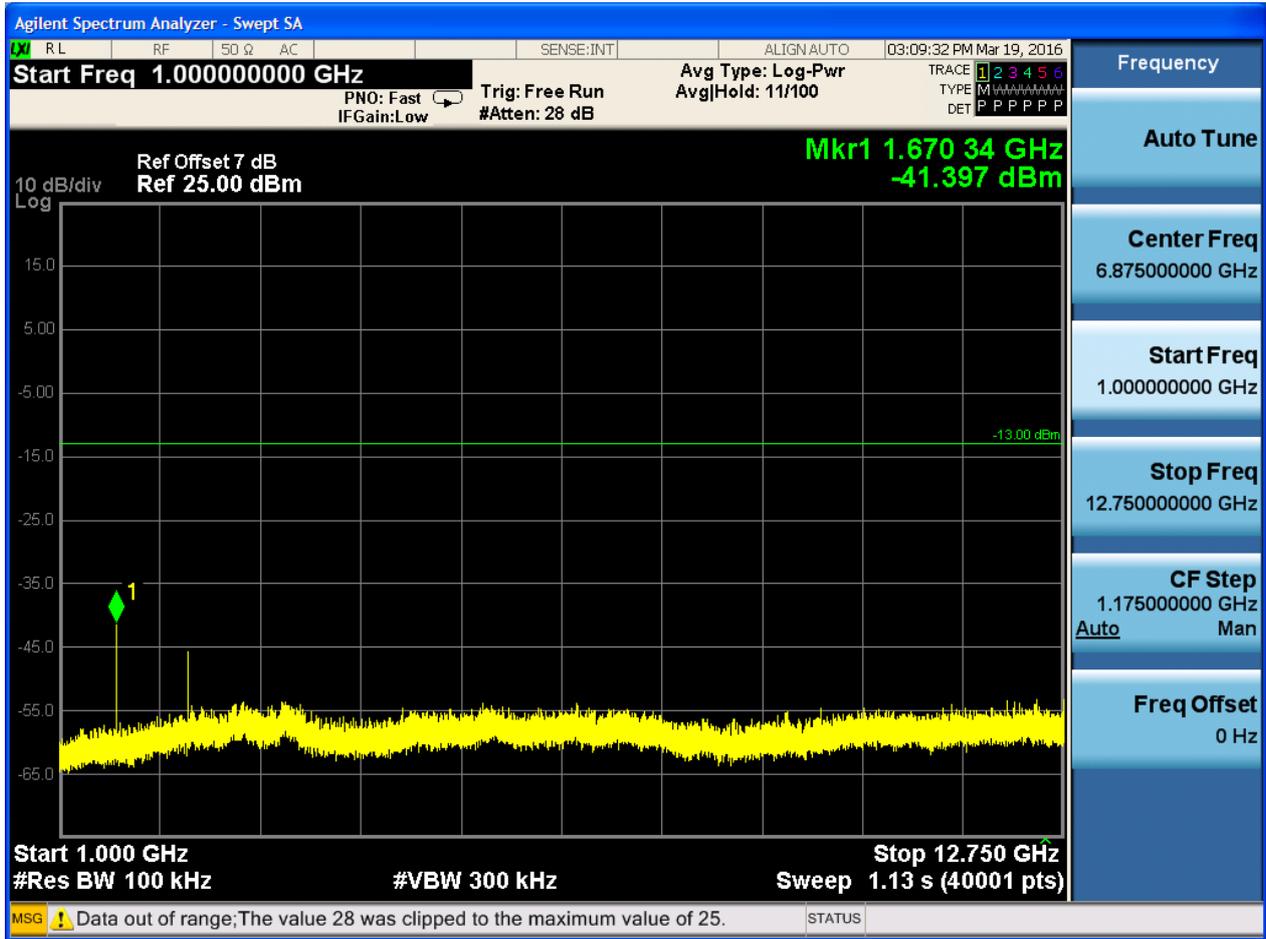


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



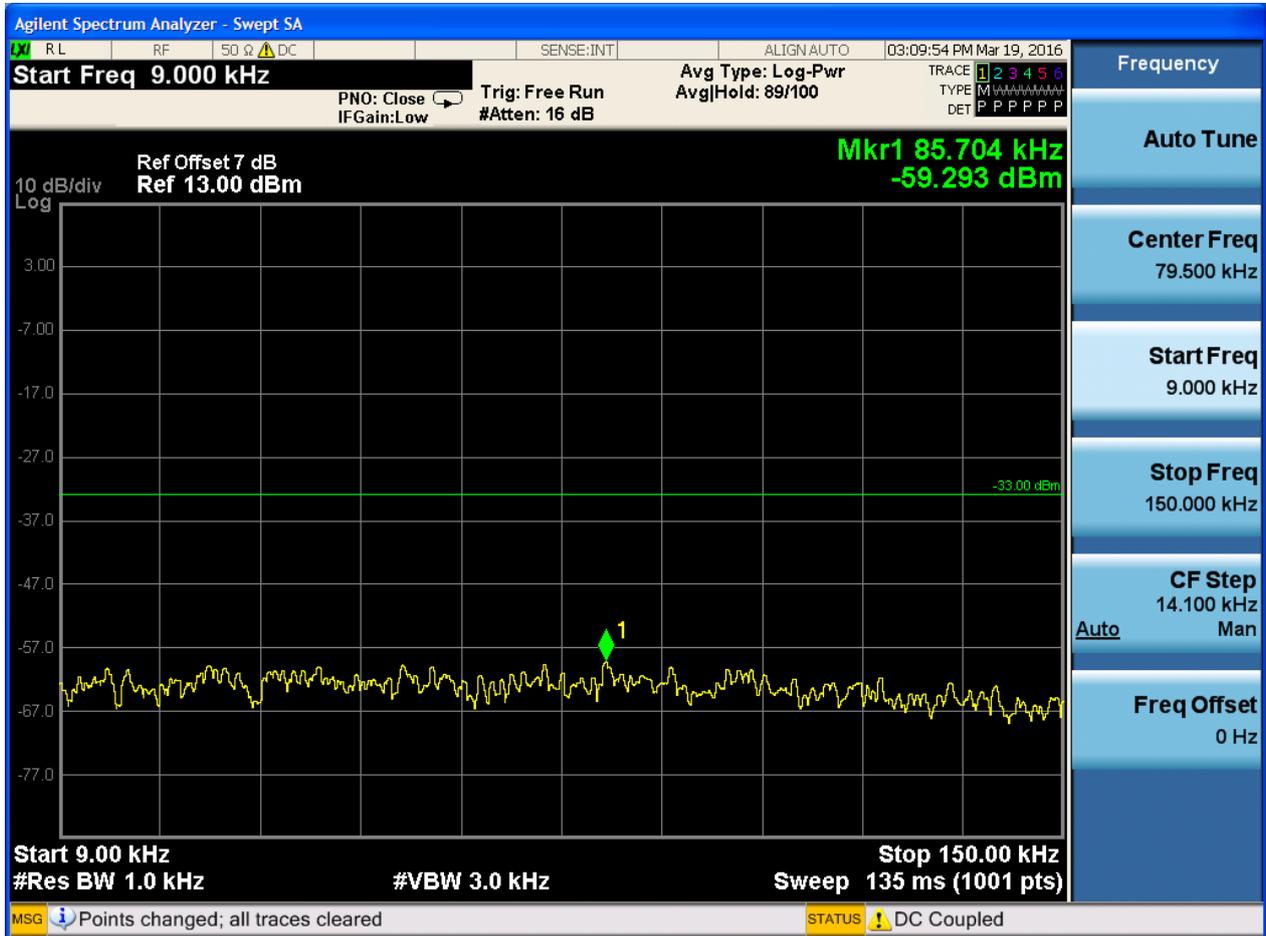


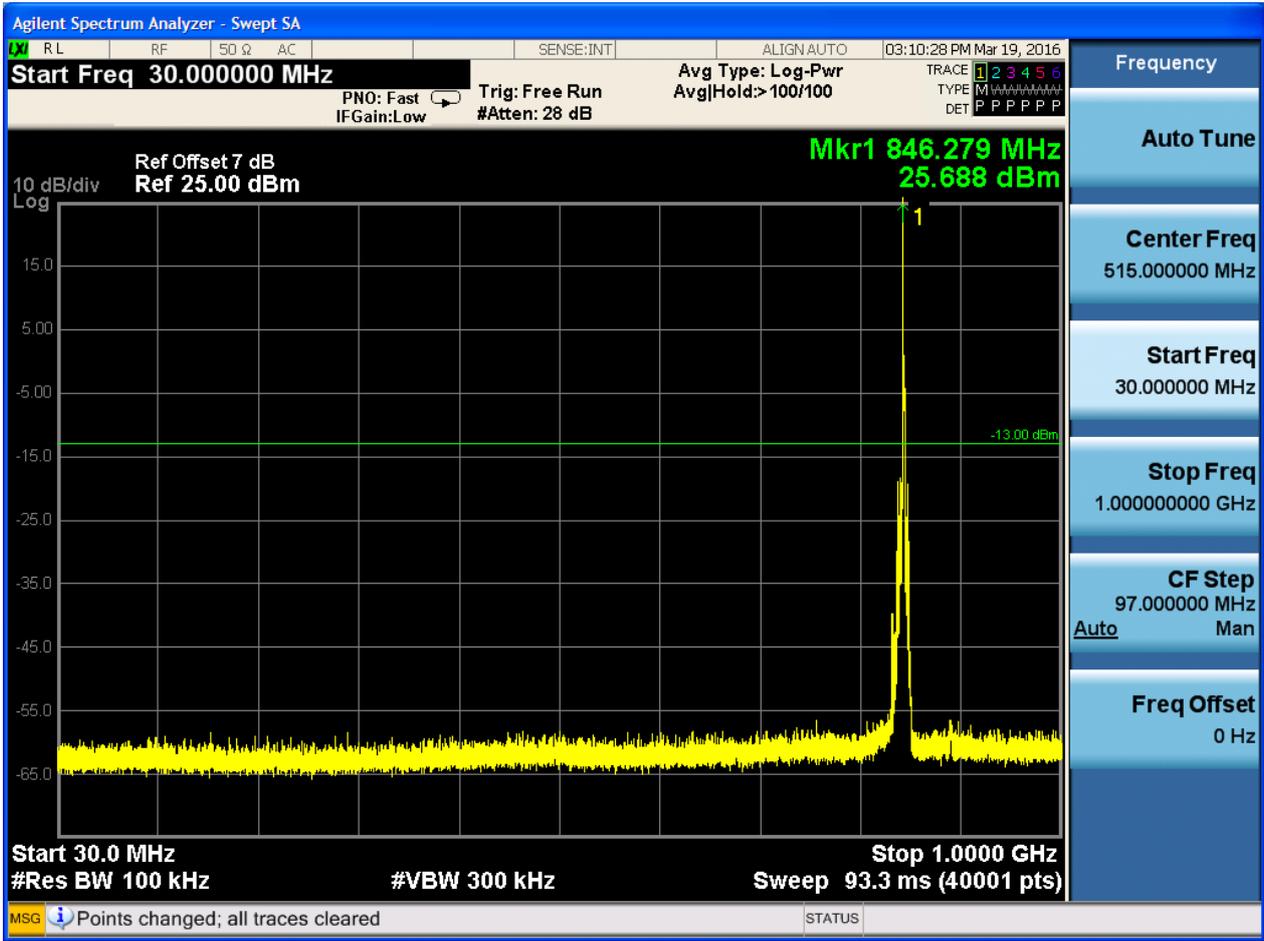


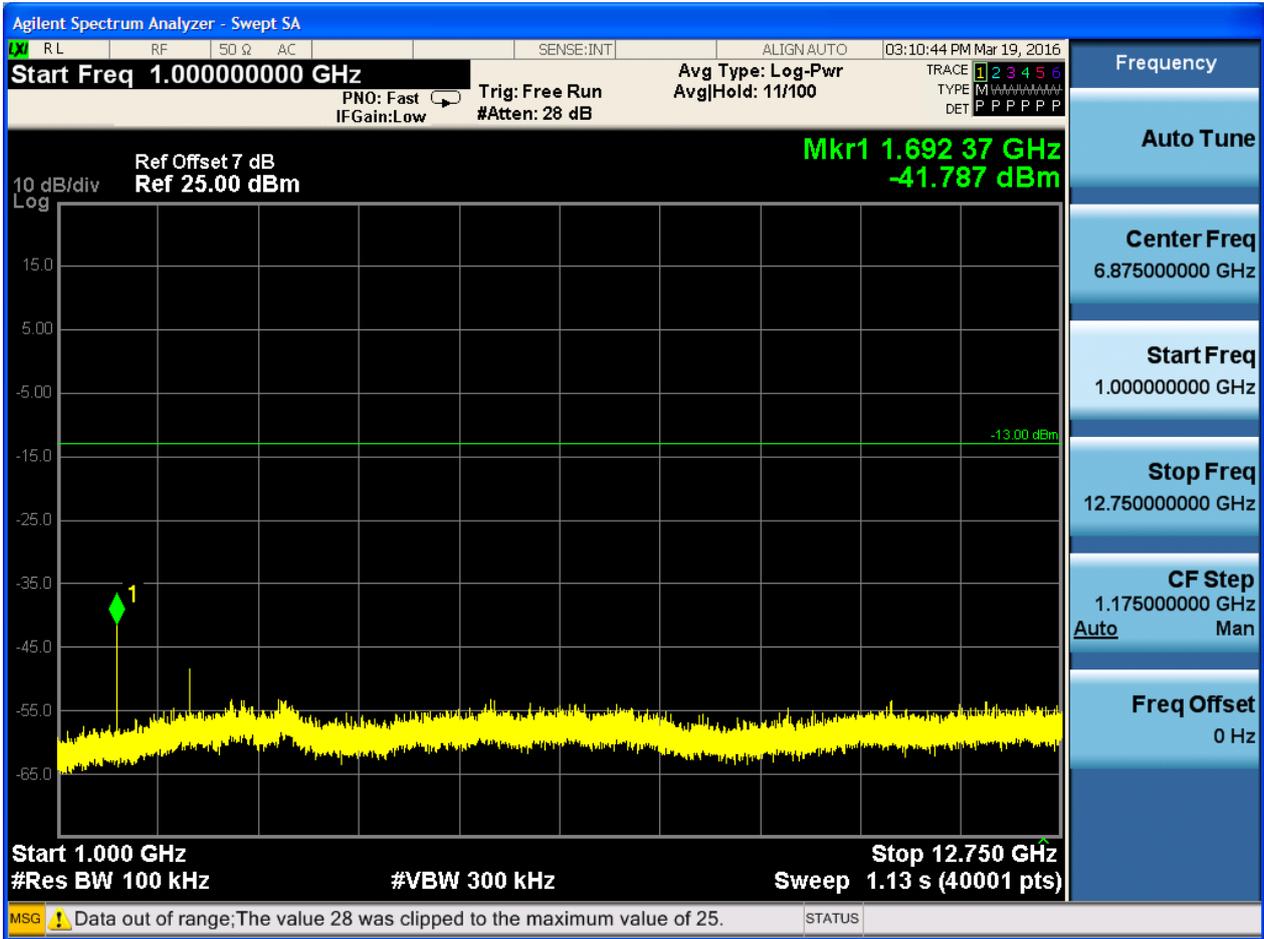


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





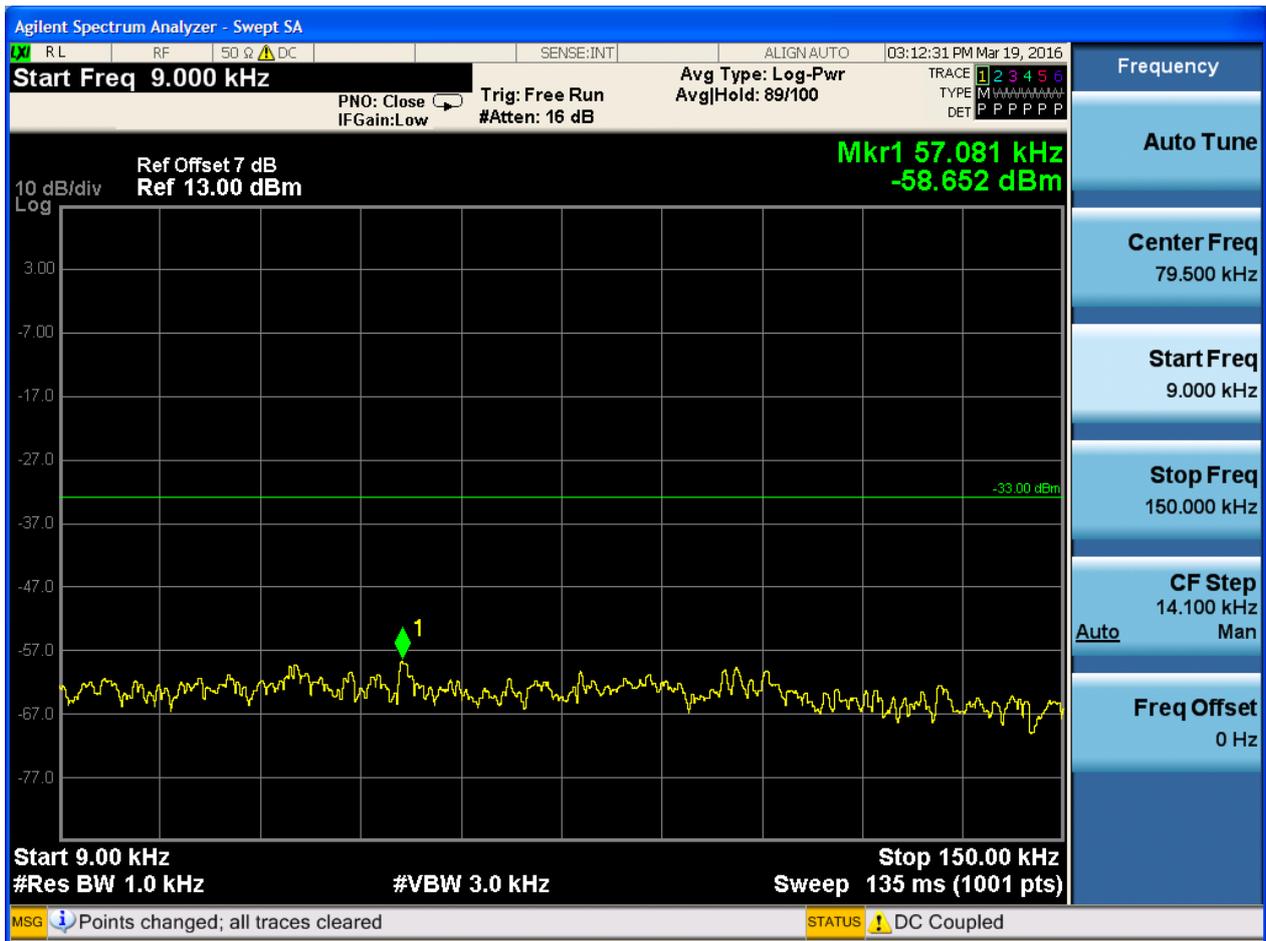


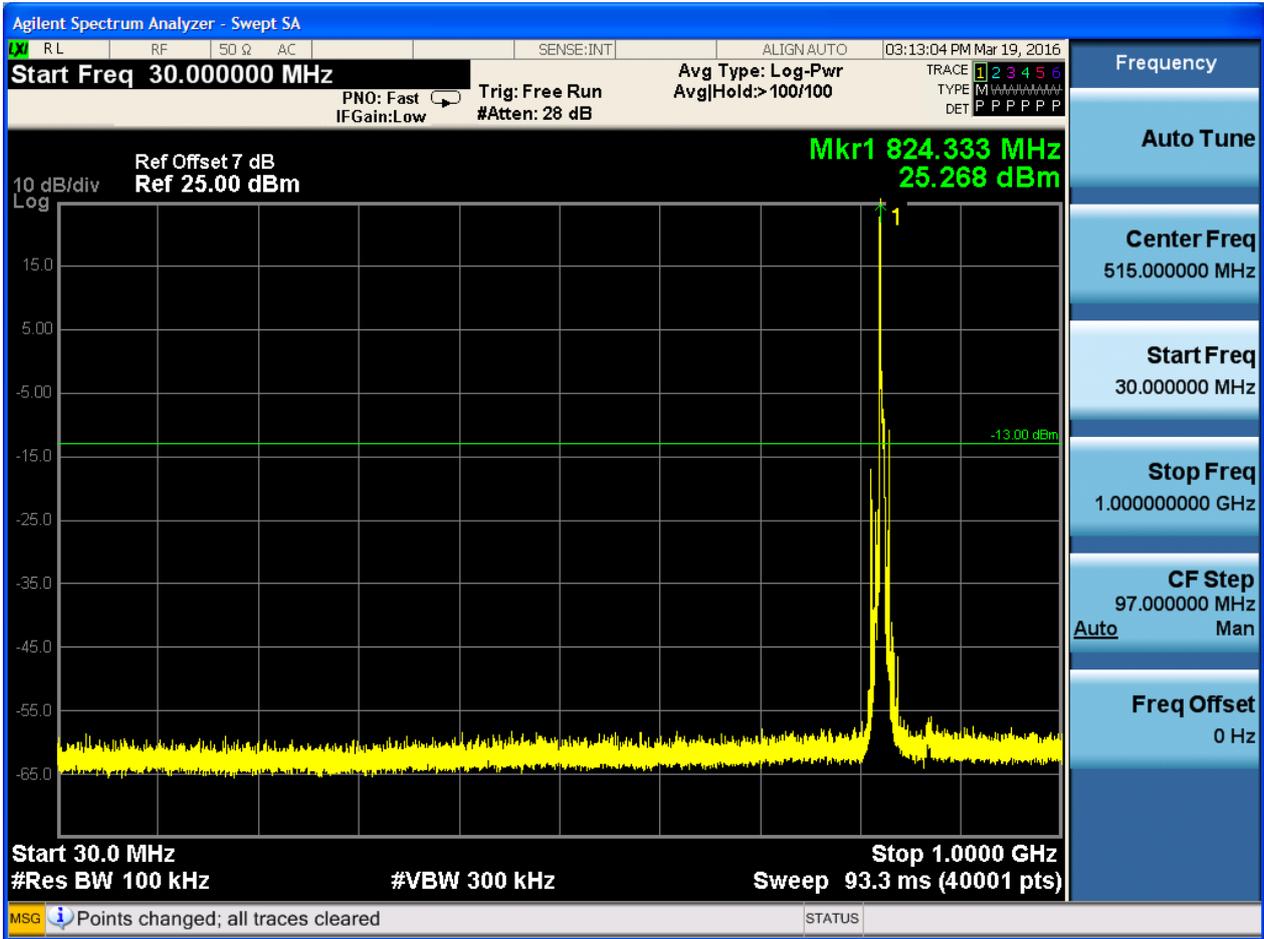


6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

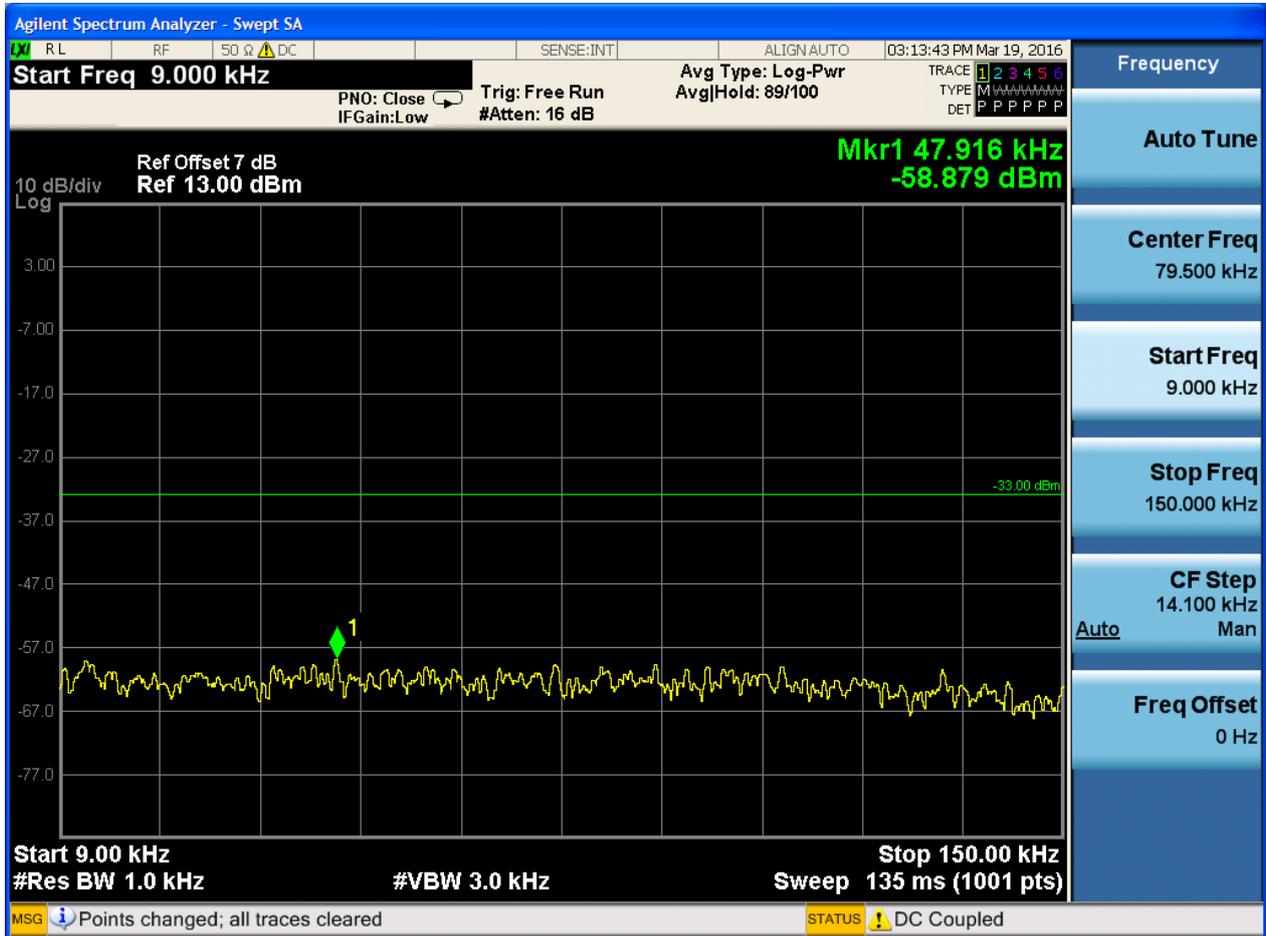


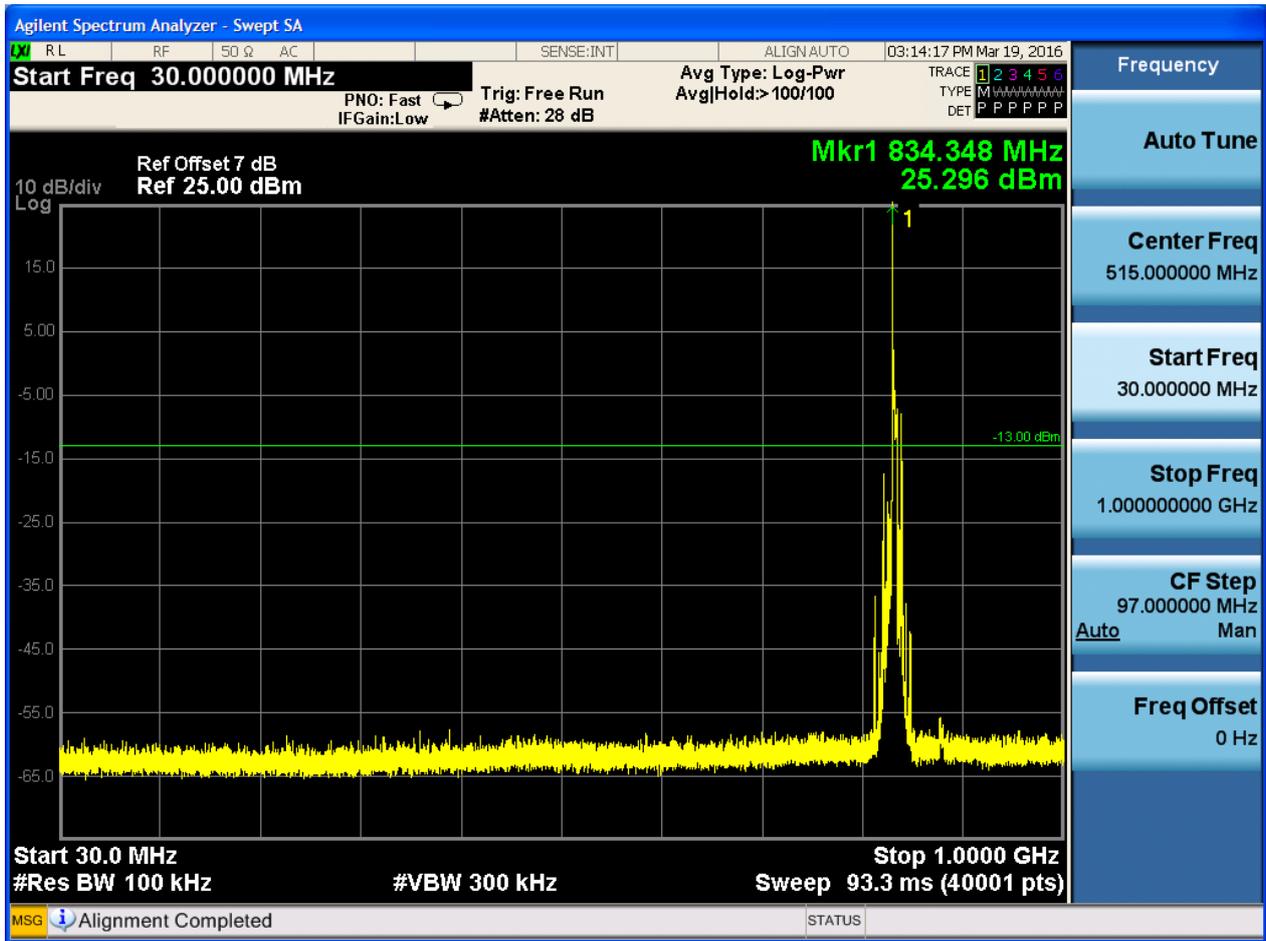


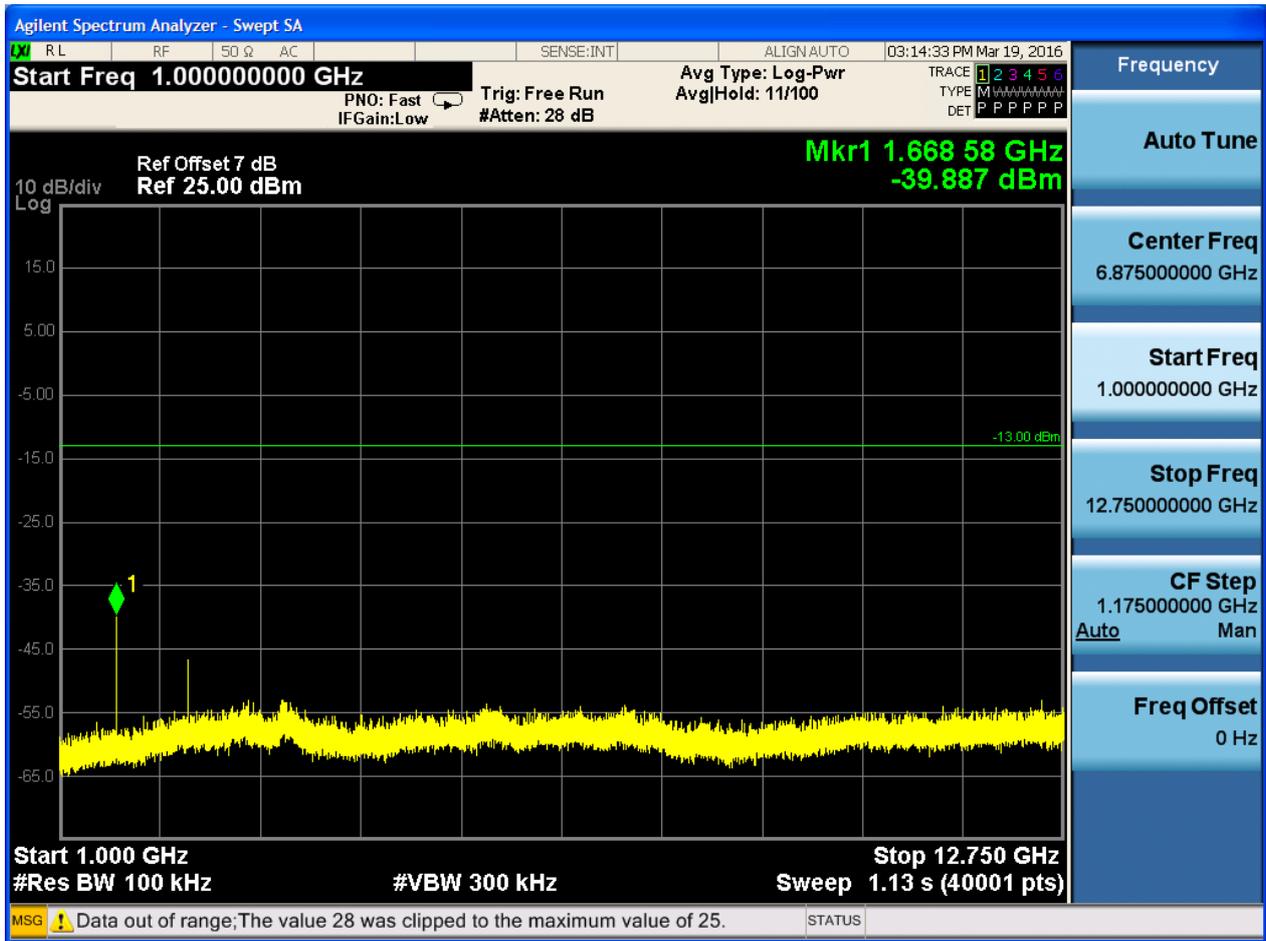


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



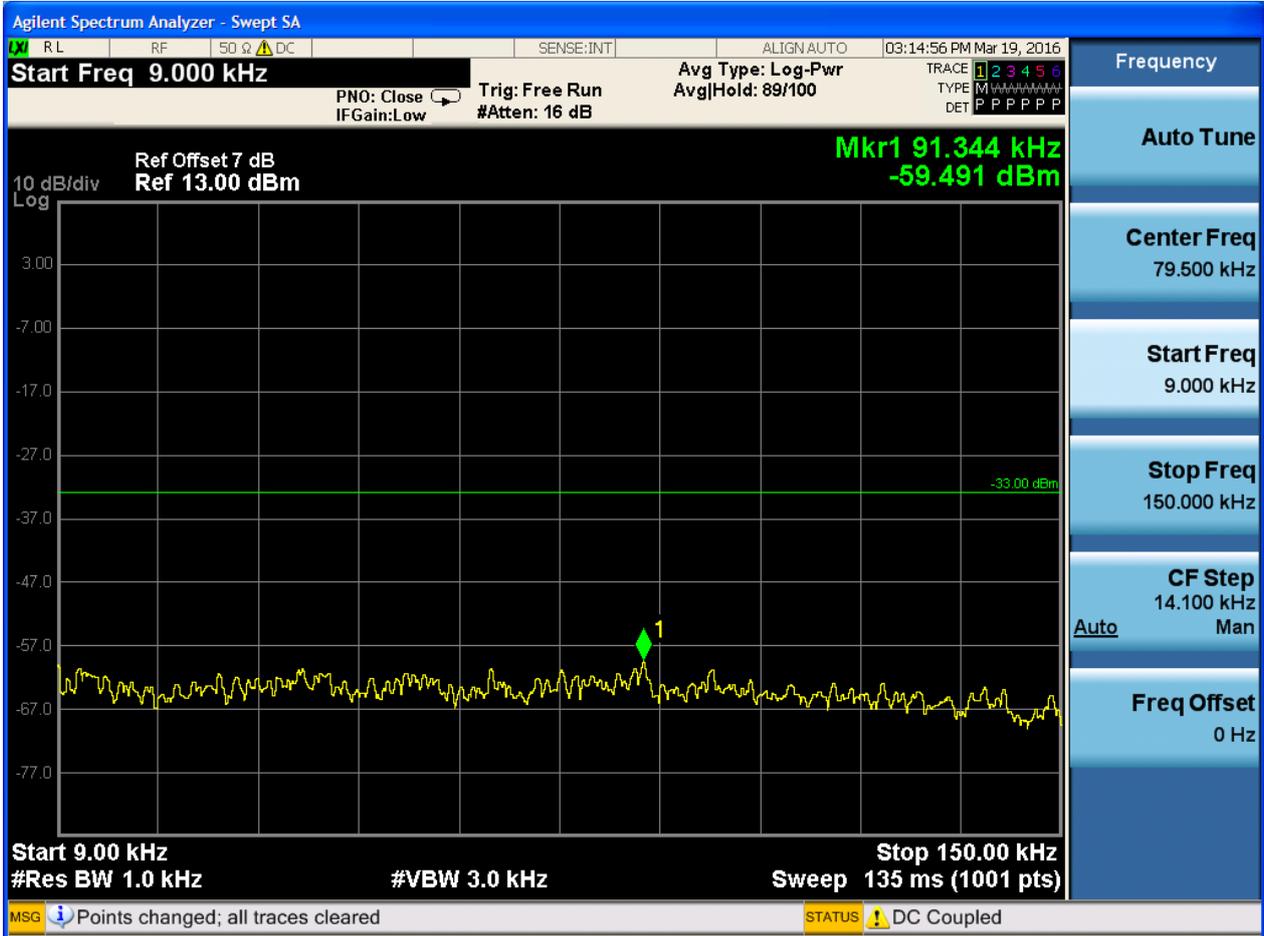


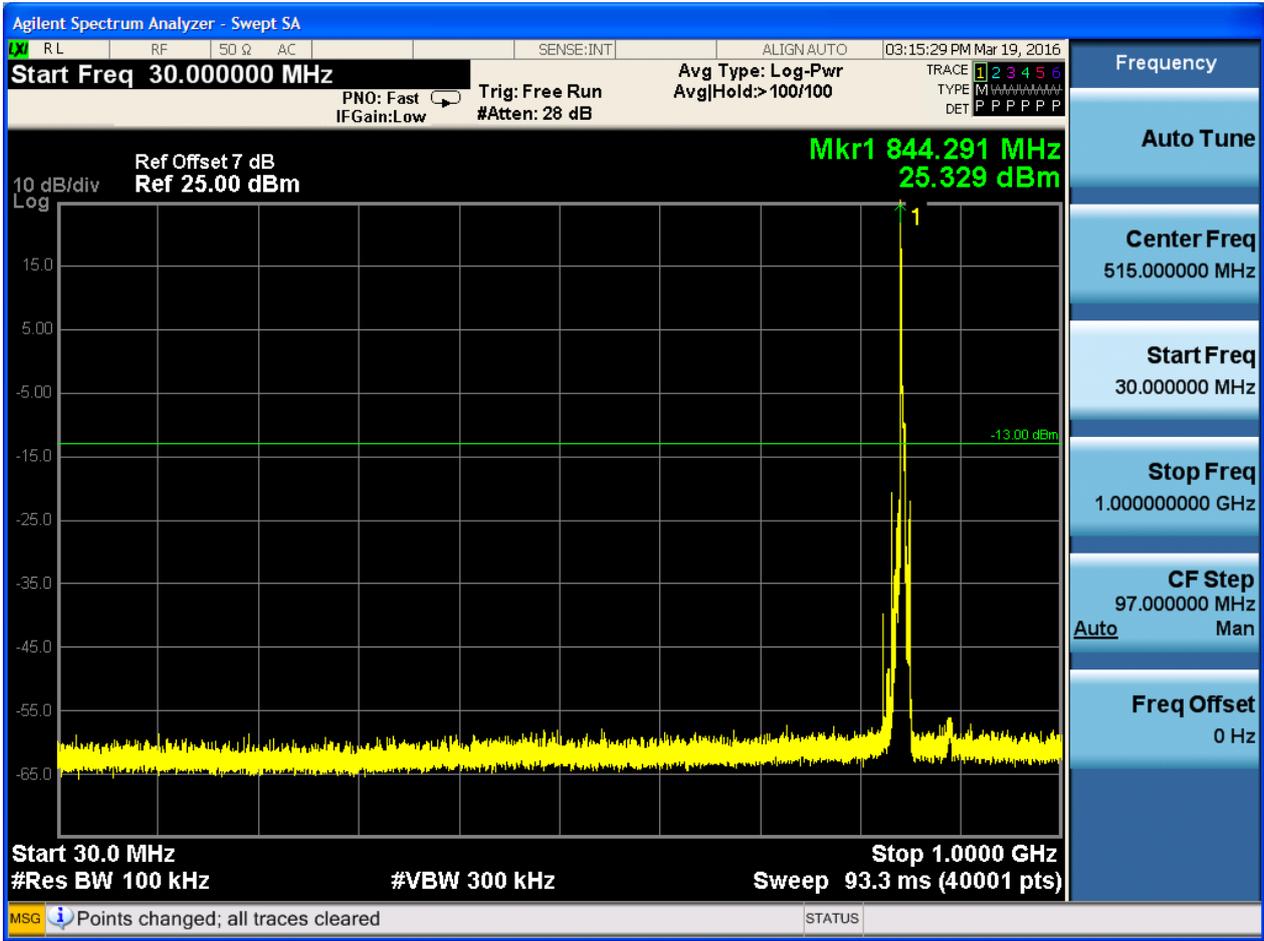


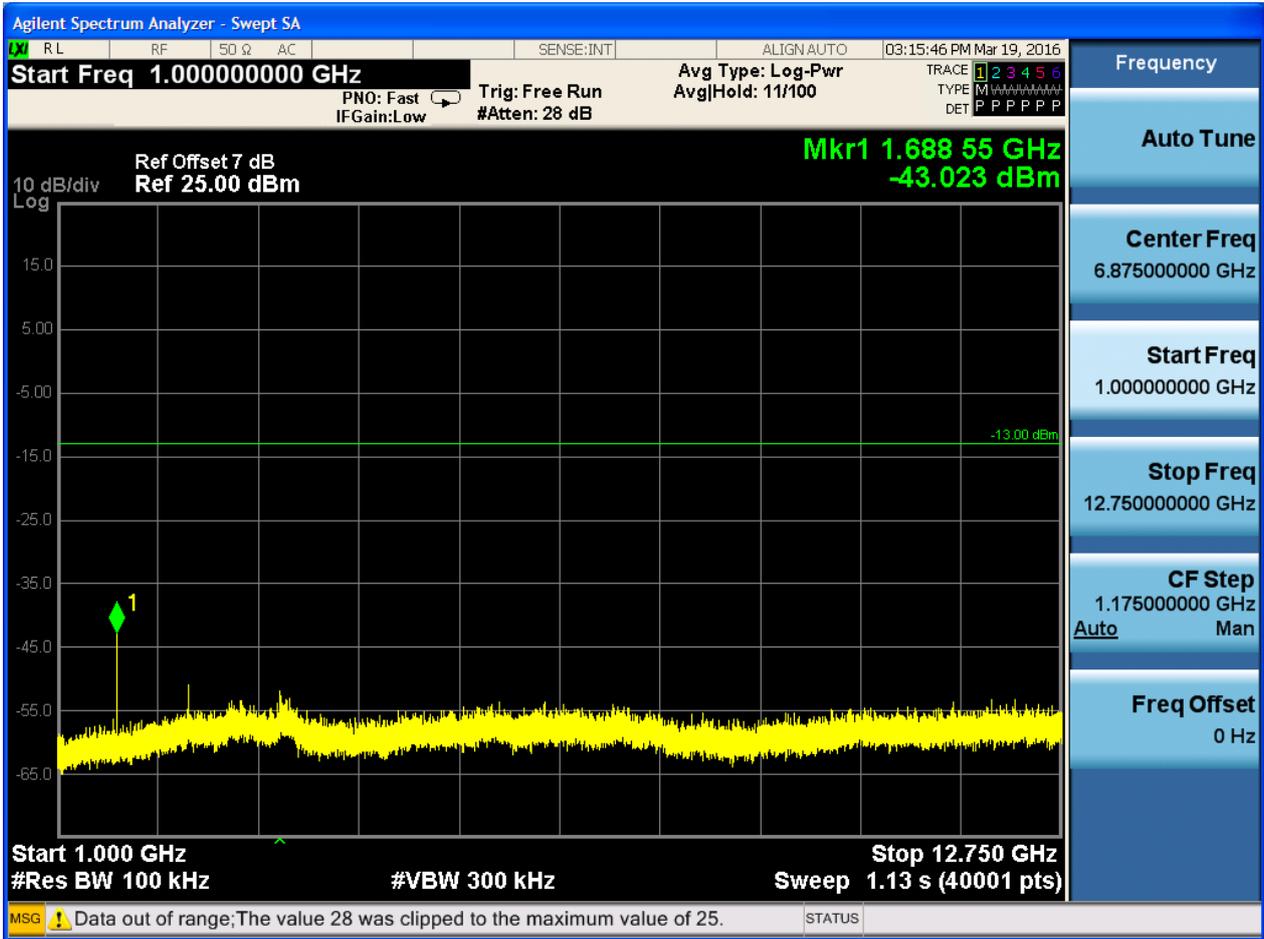


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





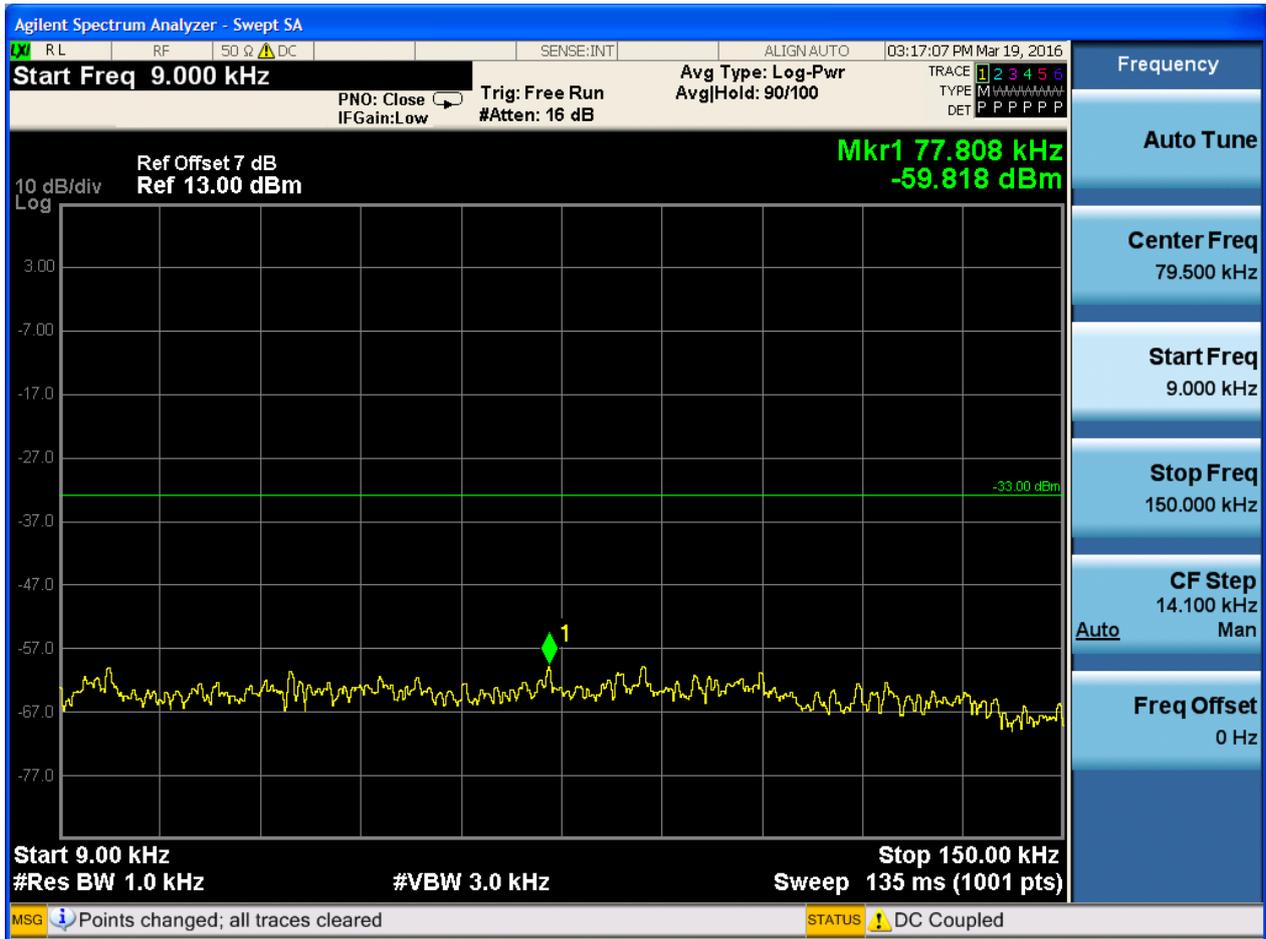


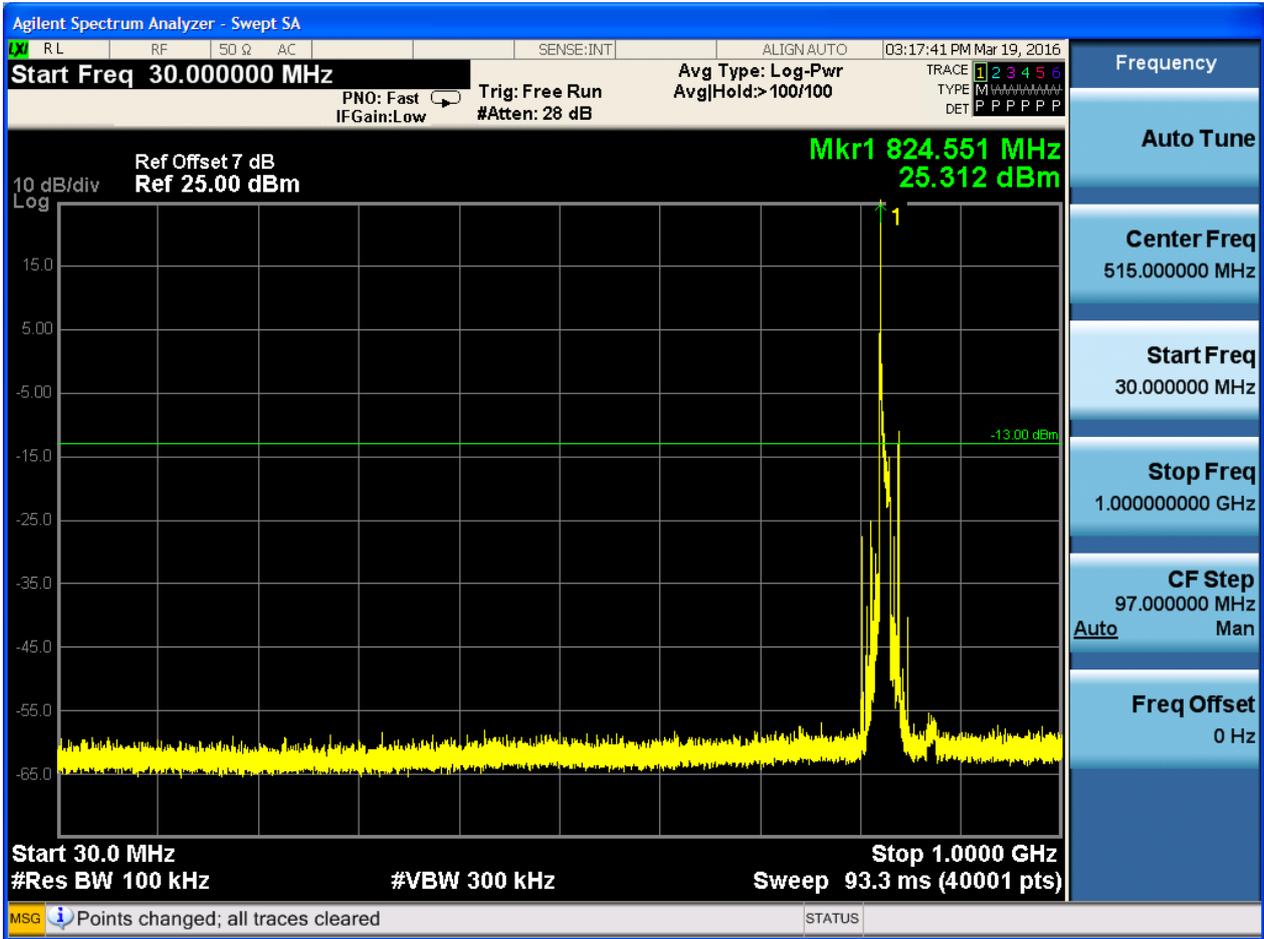


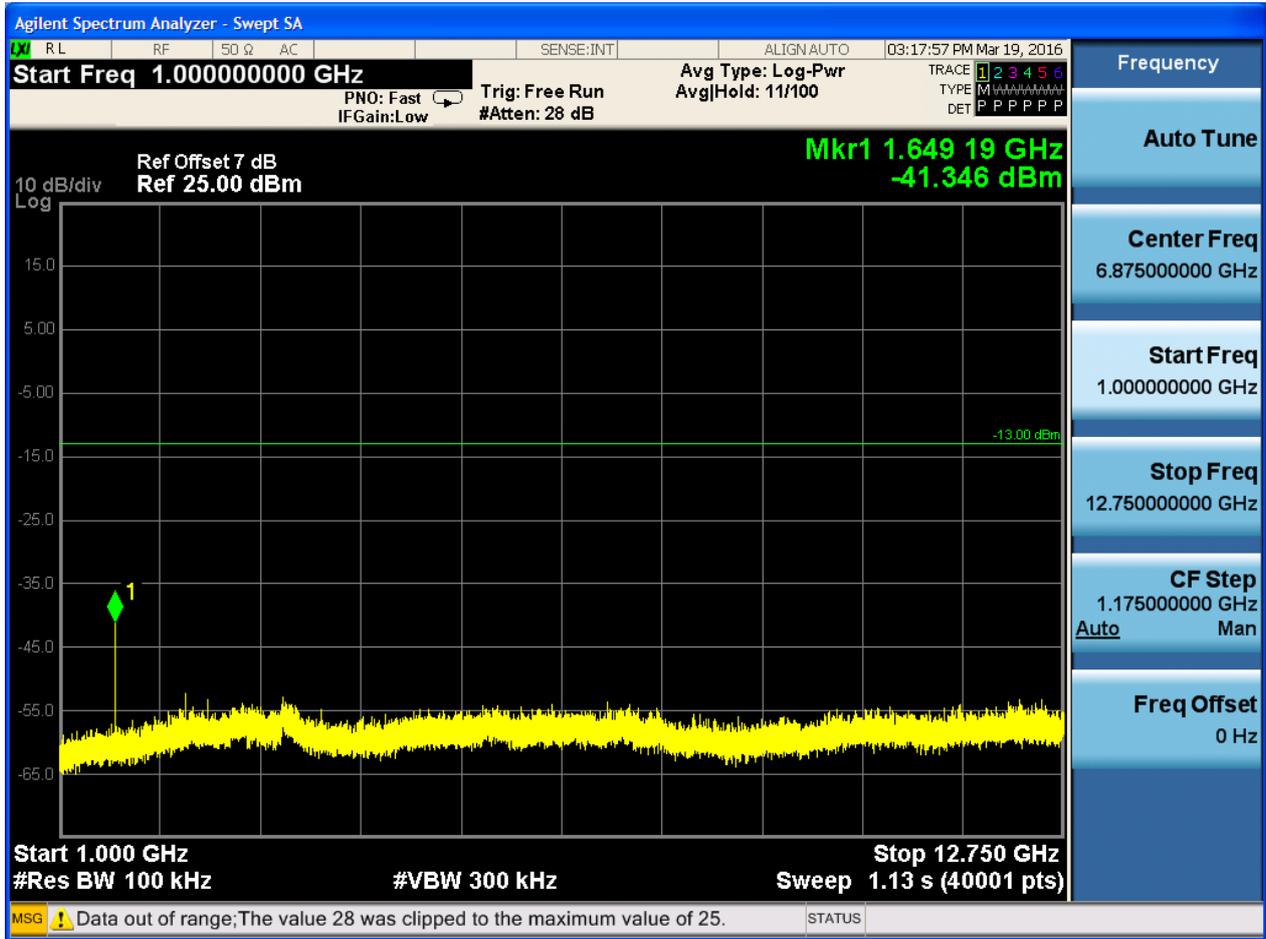
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



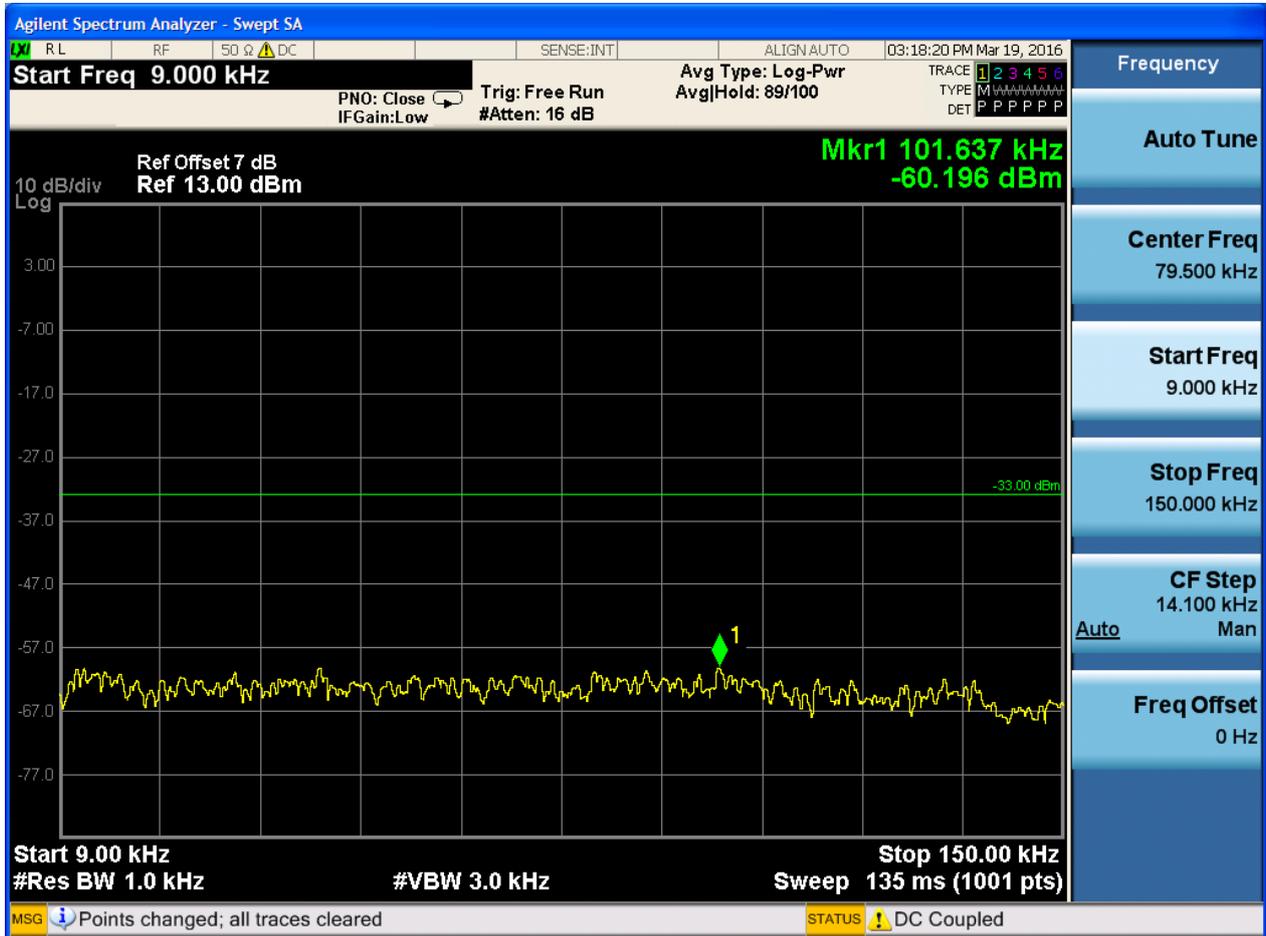


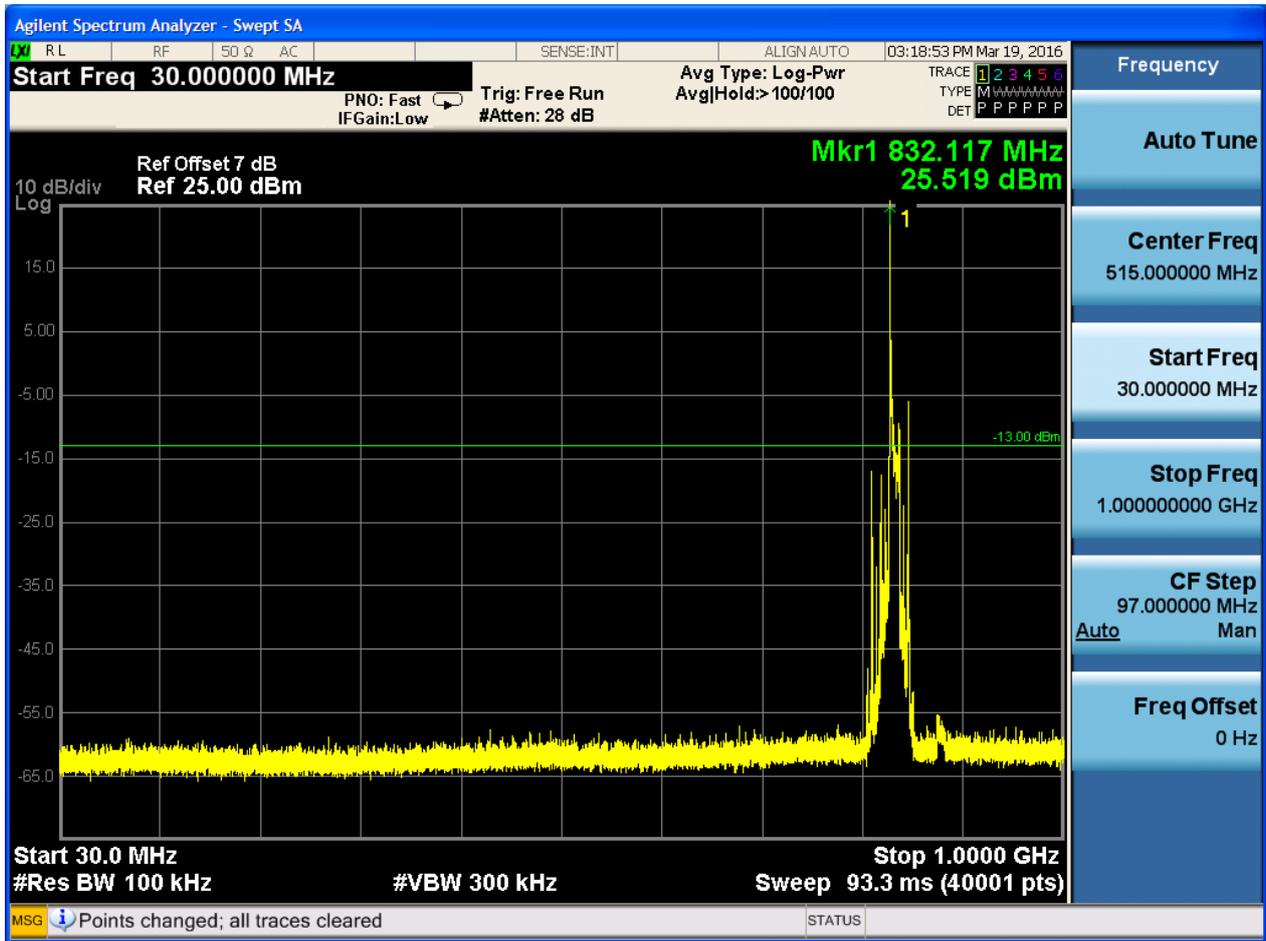


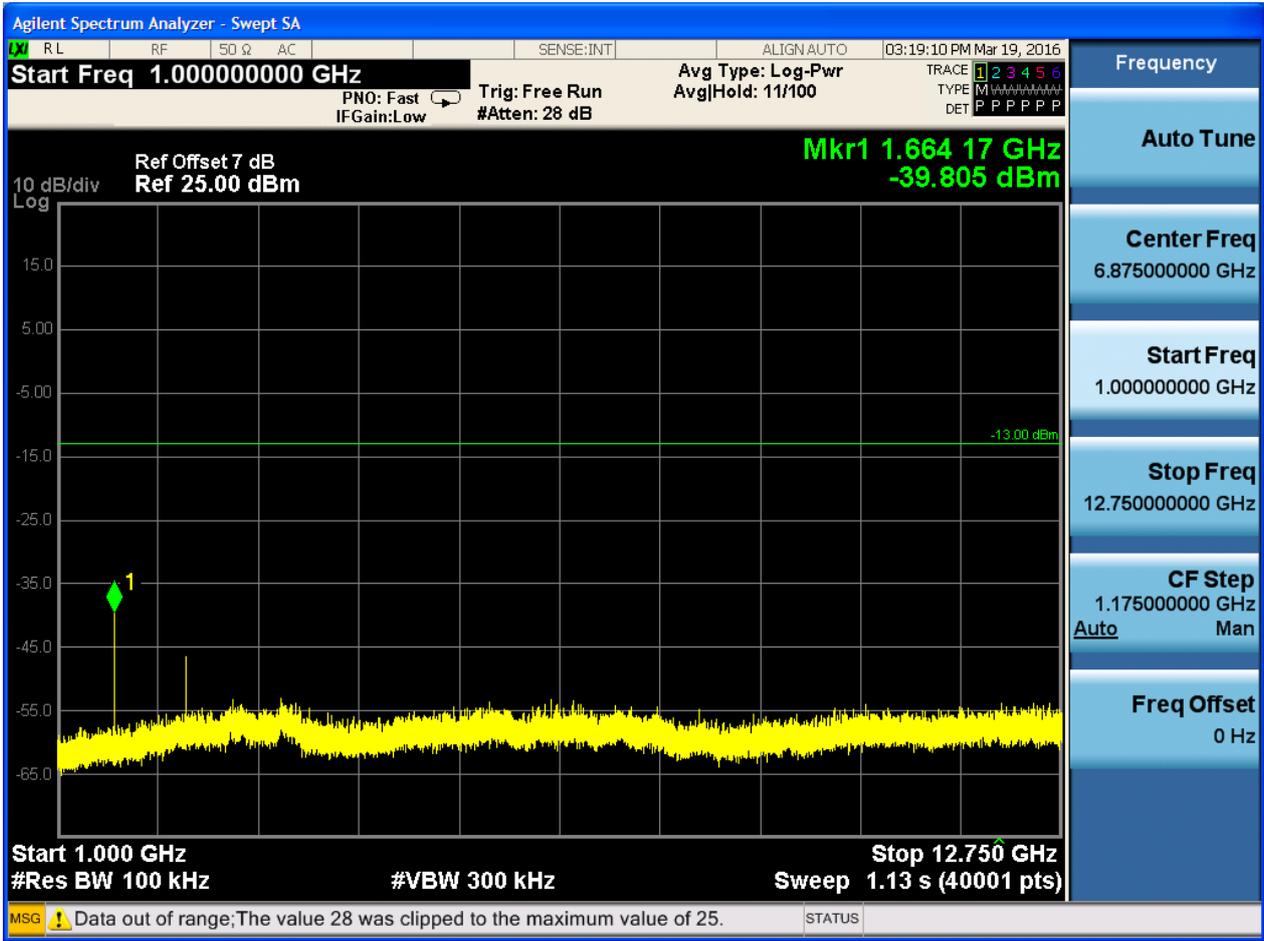


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



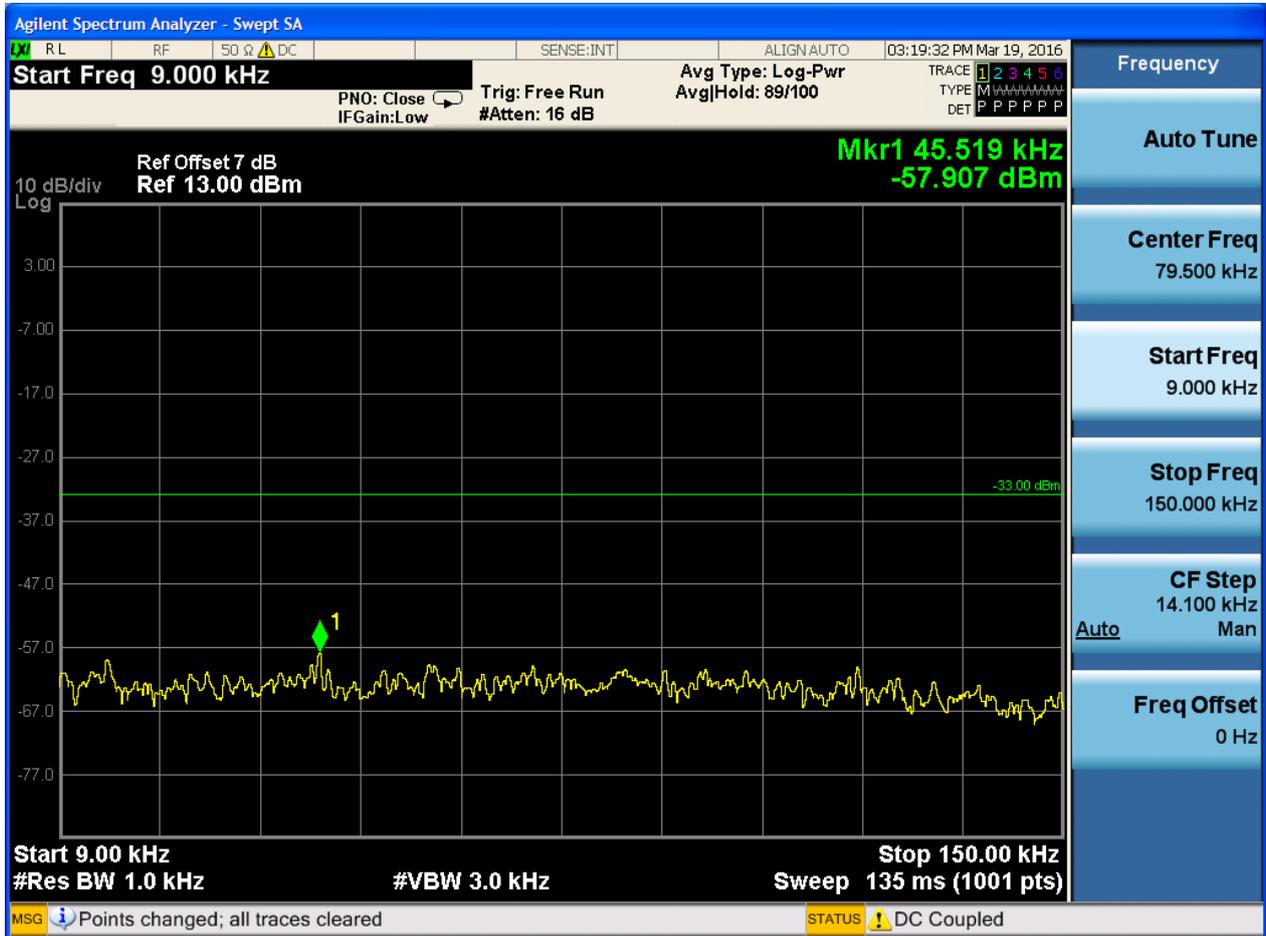


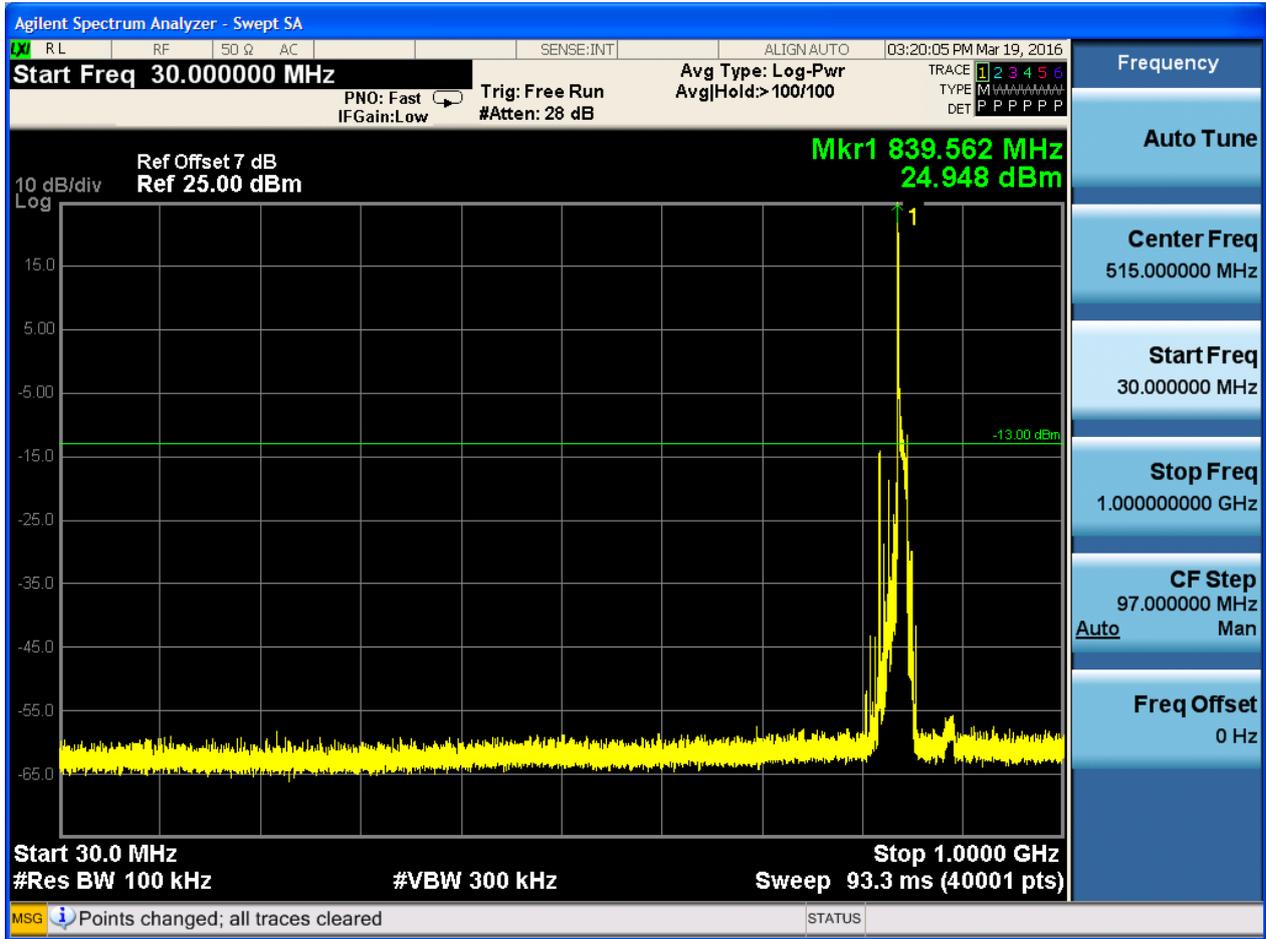


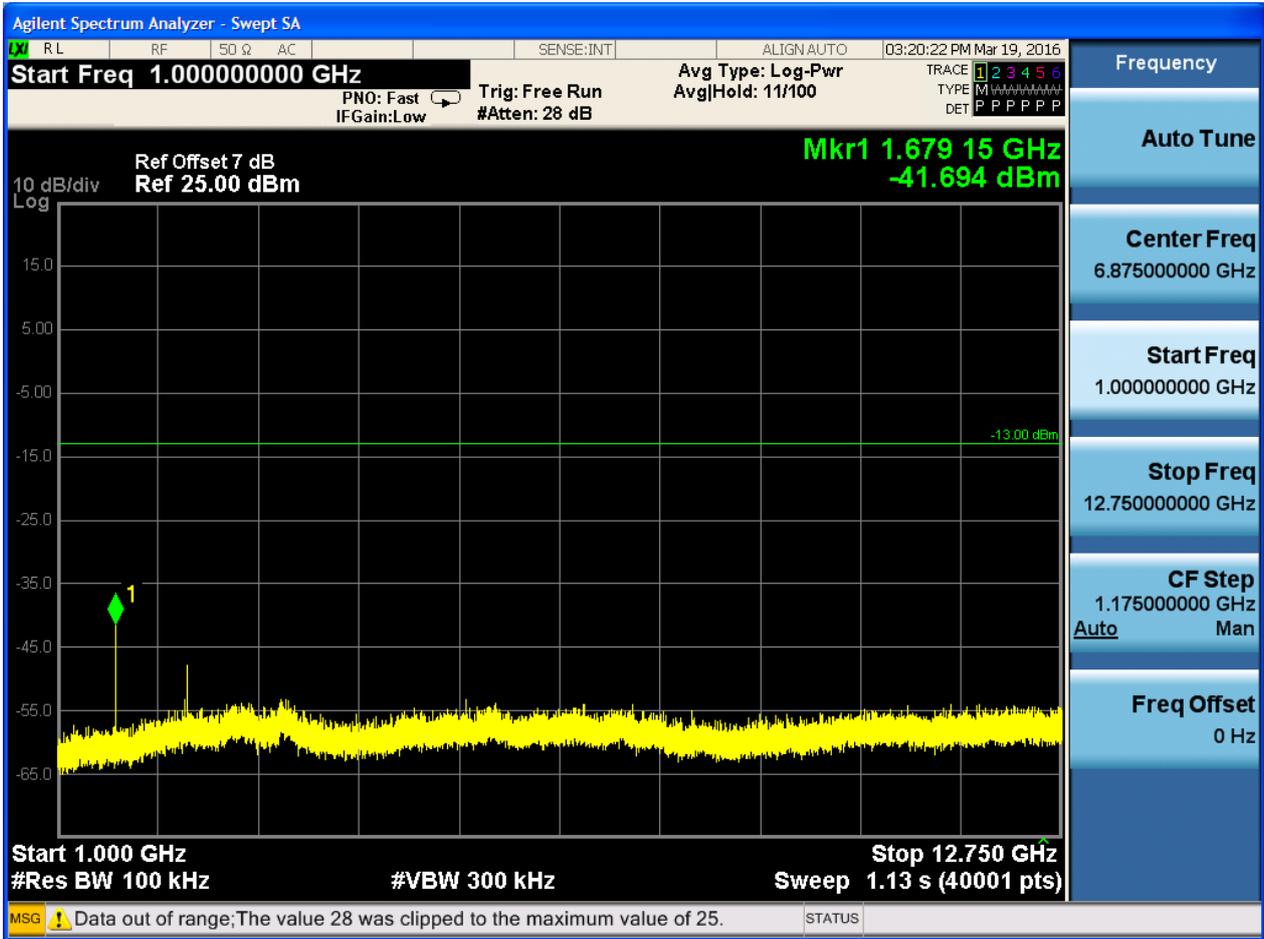


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0





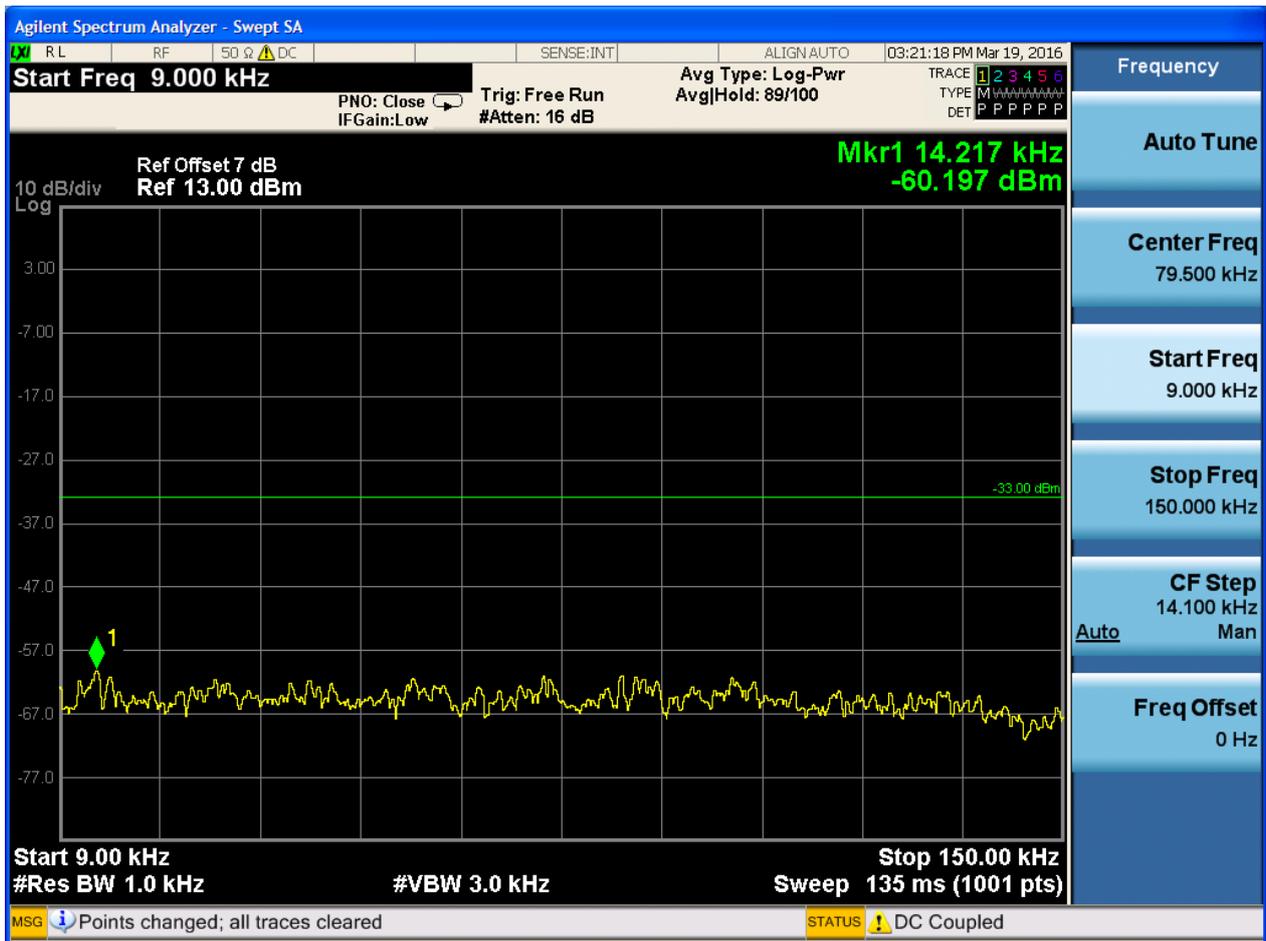


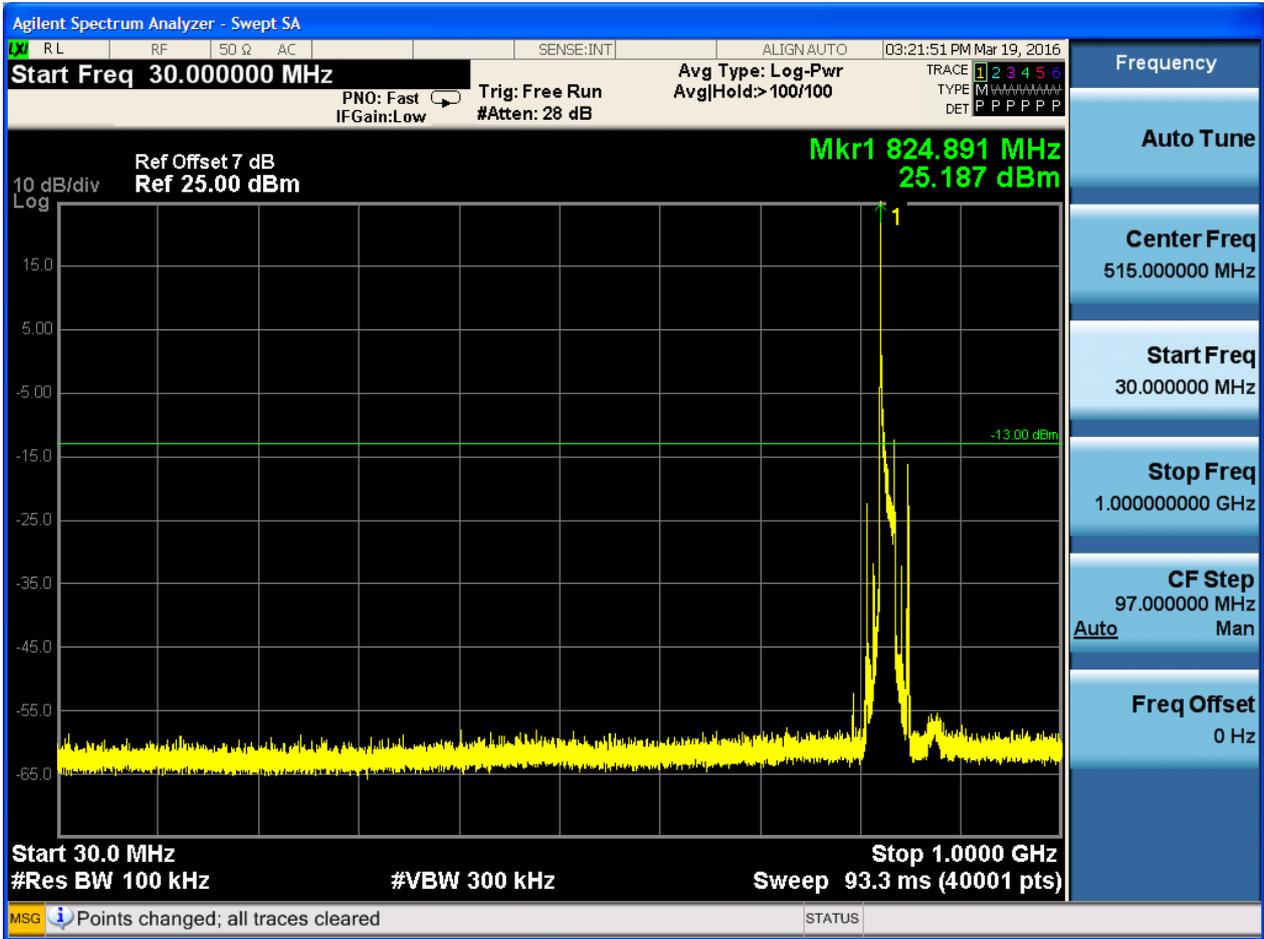


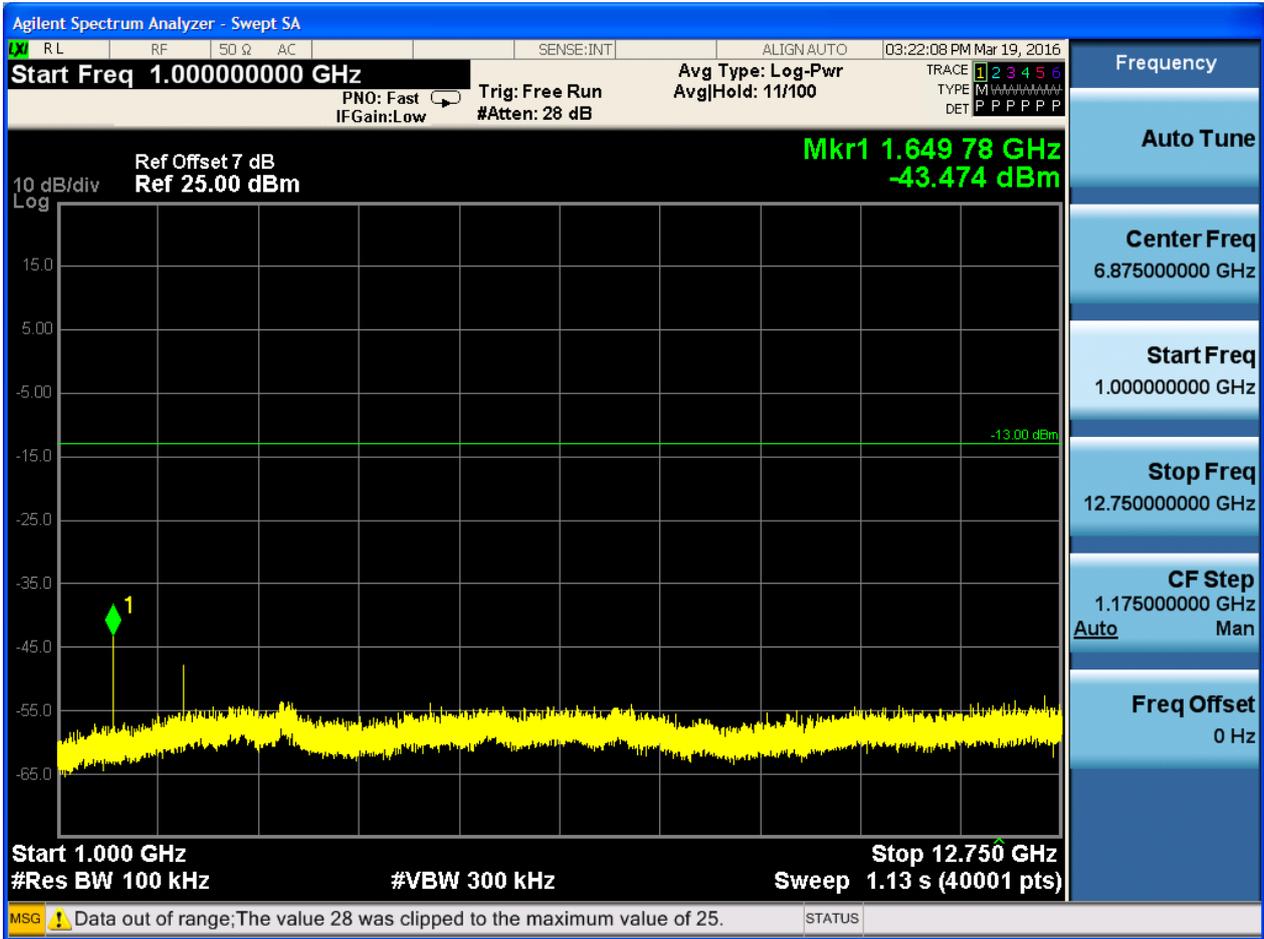
6.1.1.2.5 Test Bandwidth = 15

6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0



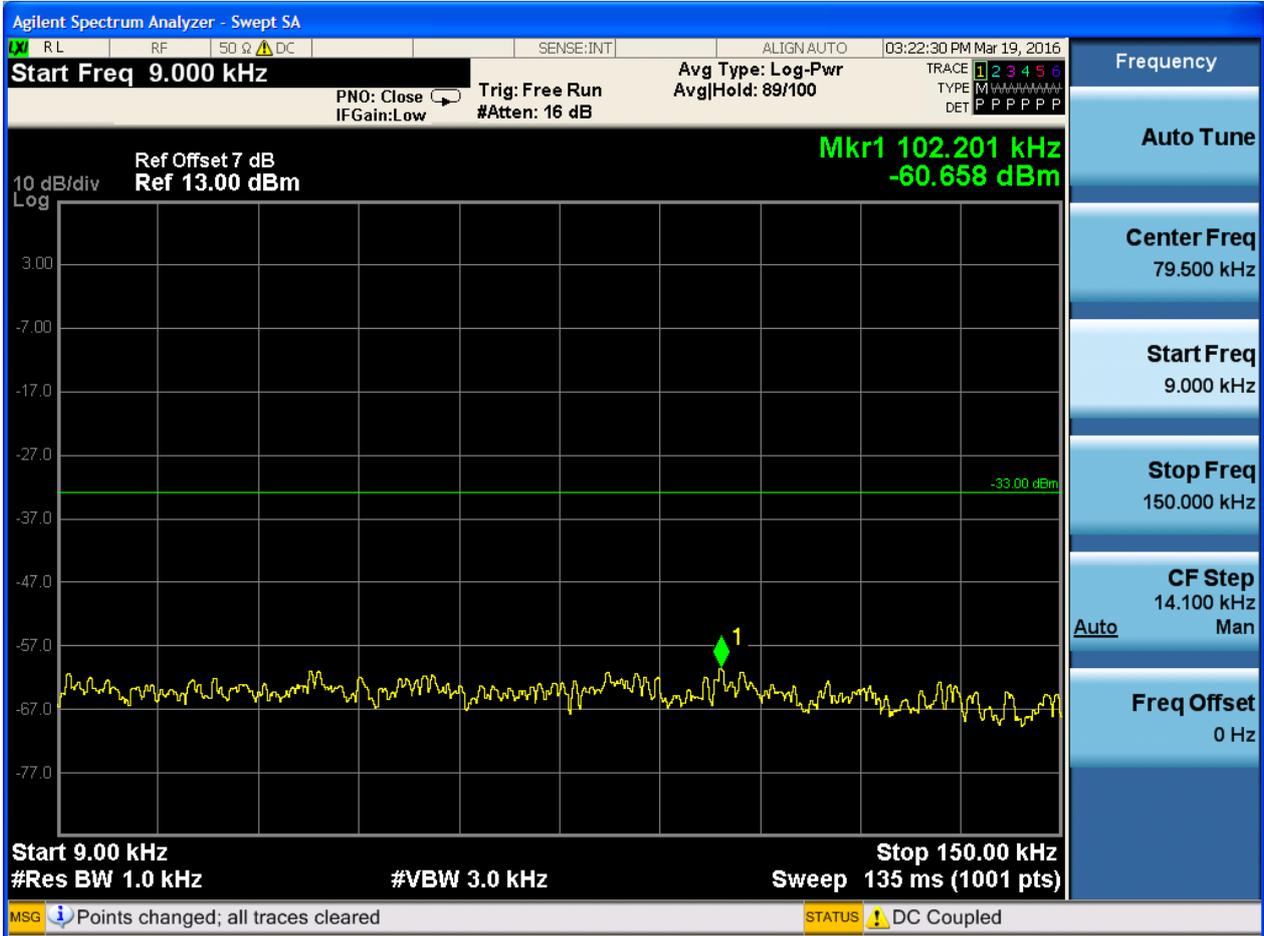


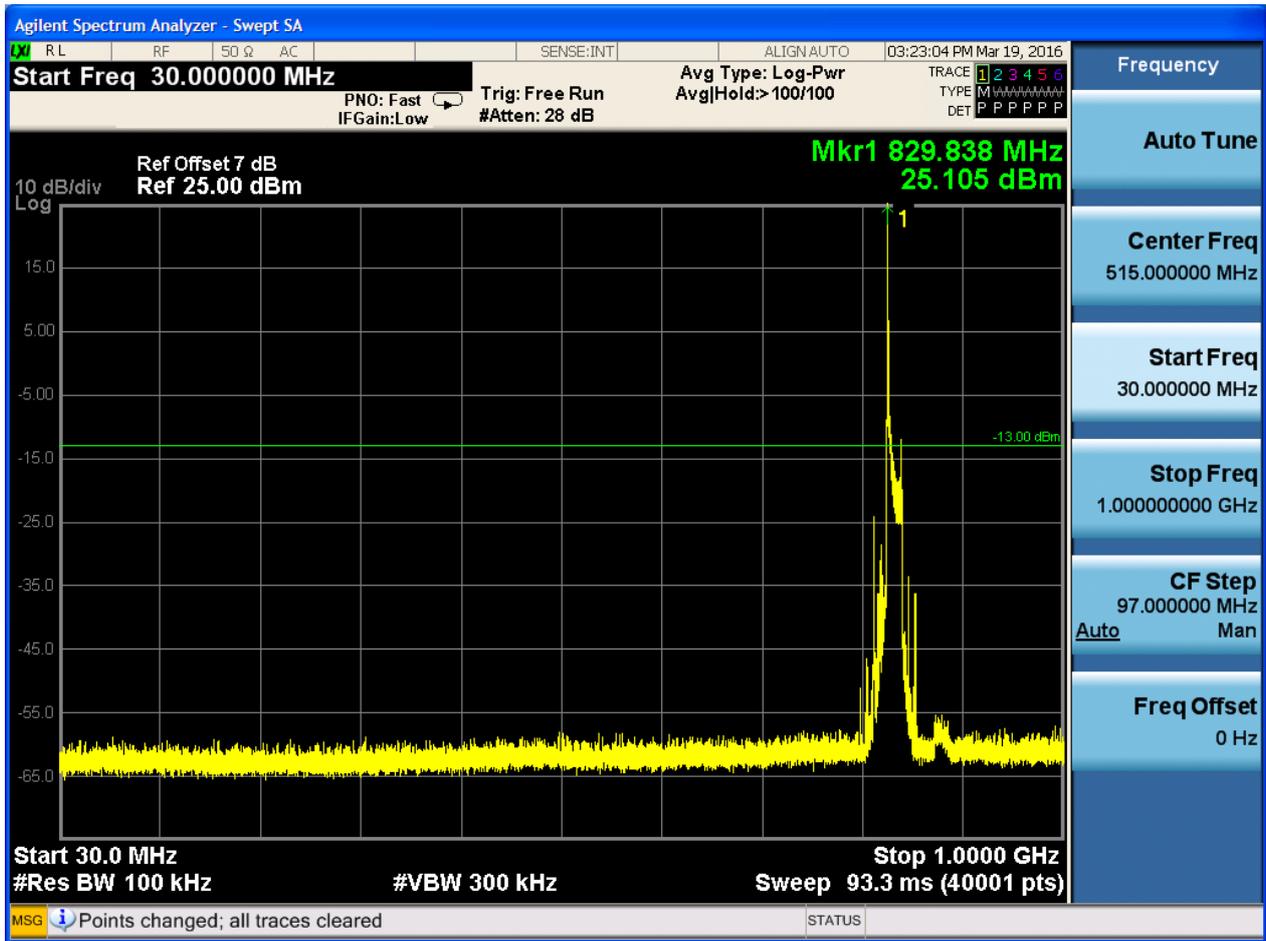


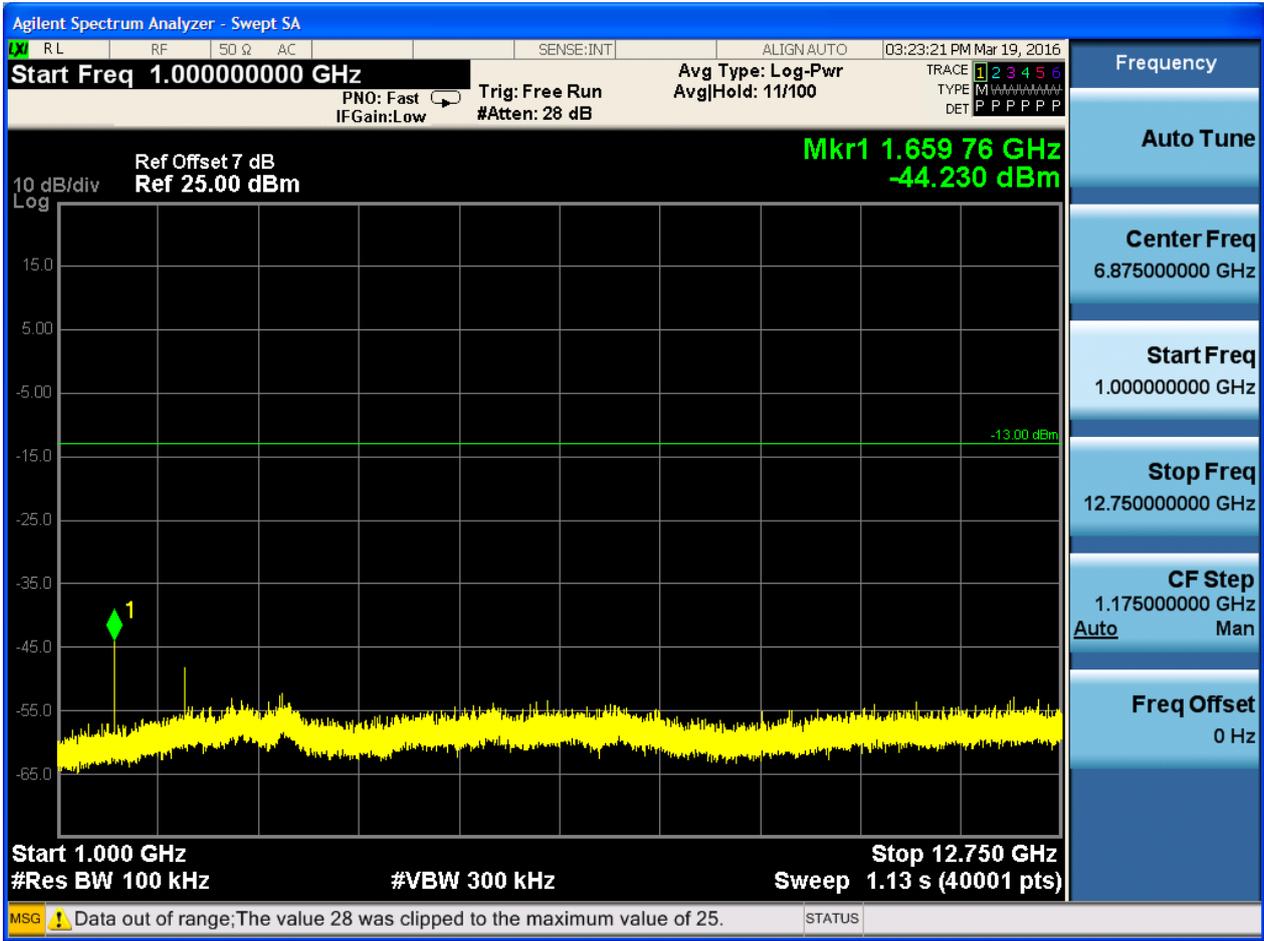


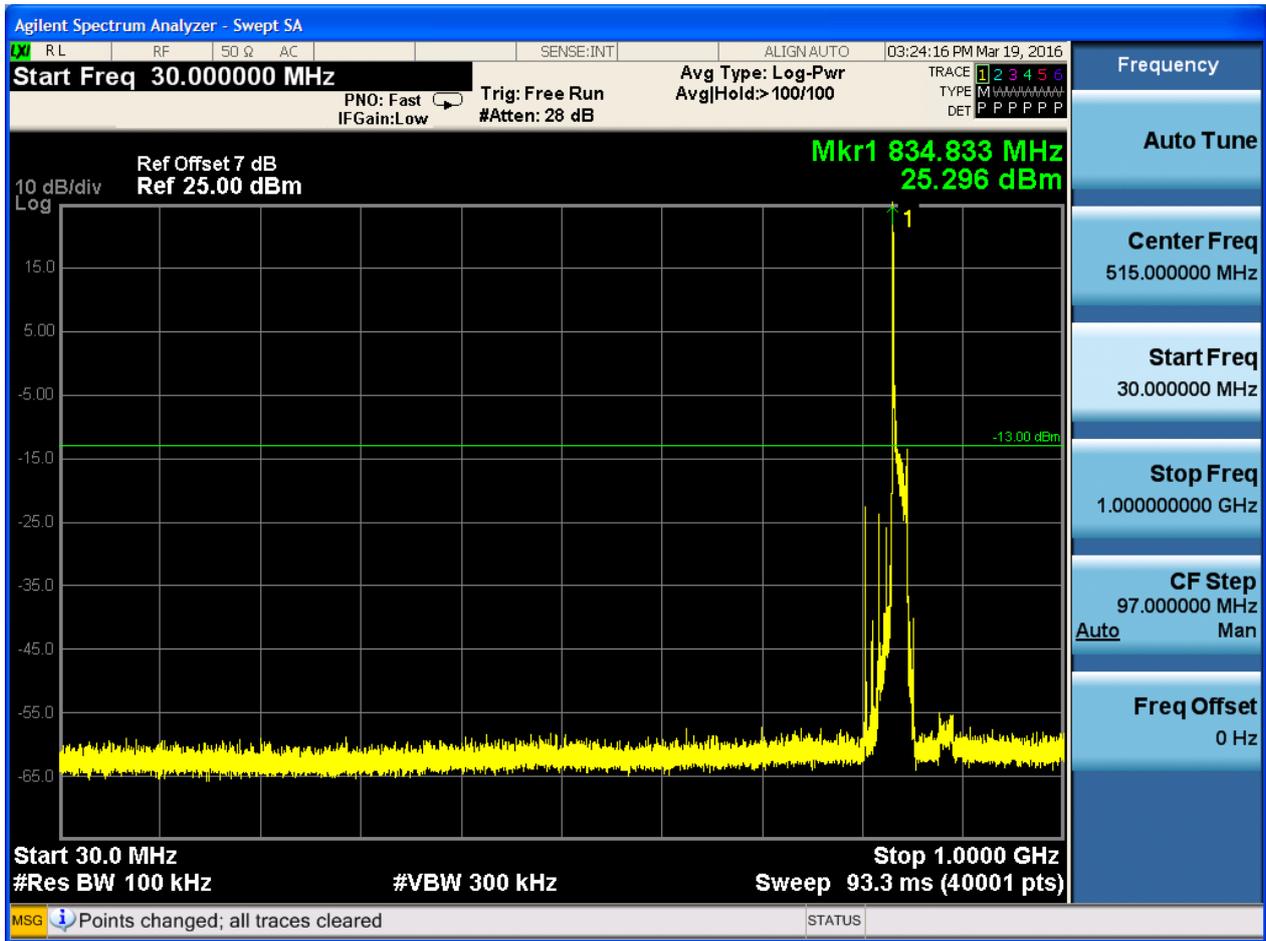
6.1.1.2.5.2 Test Channel = MCH

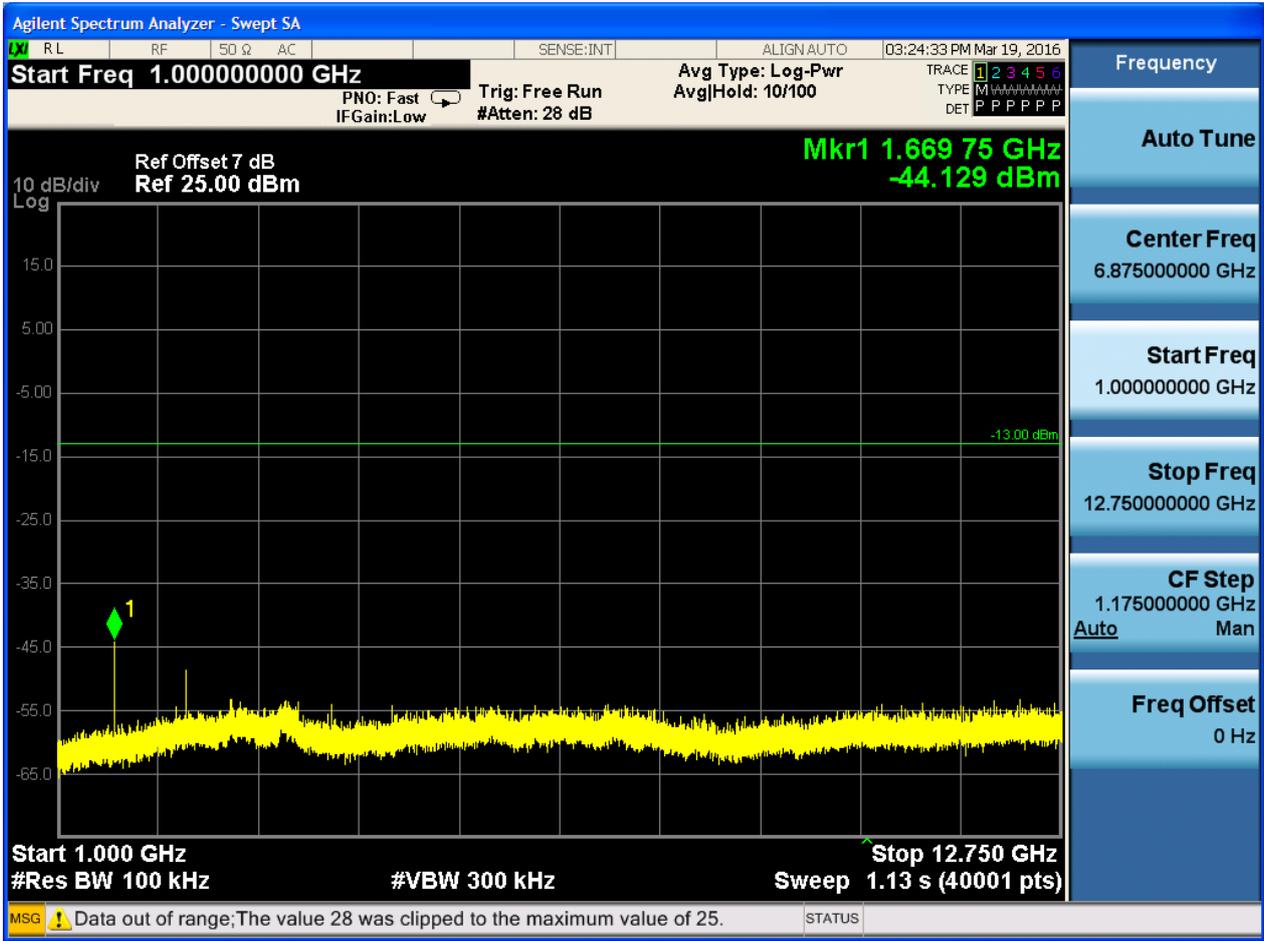
6.1.1.2.5.2.1 Test RB = RB1#0











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

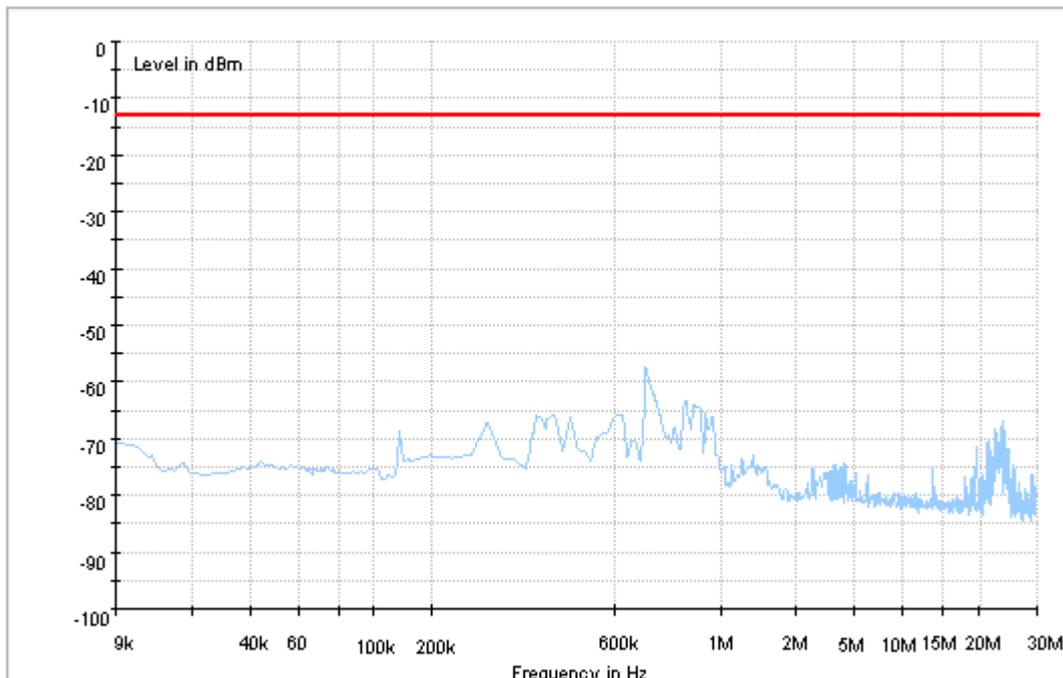
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

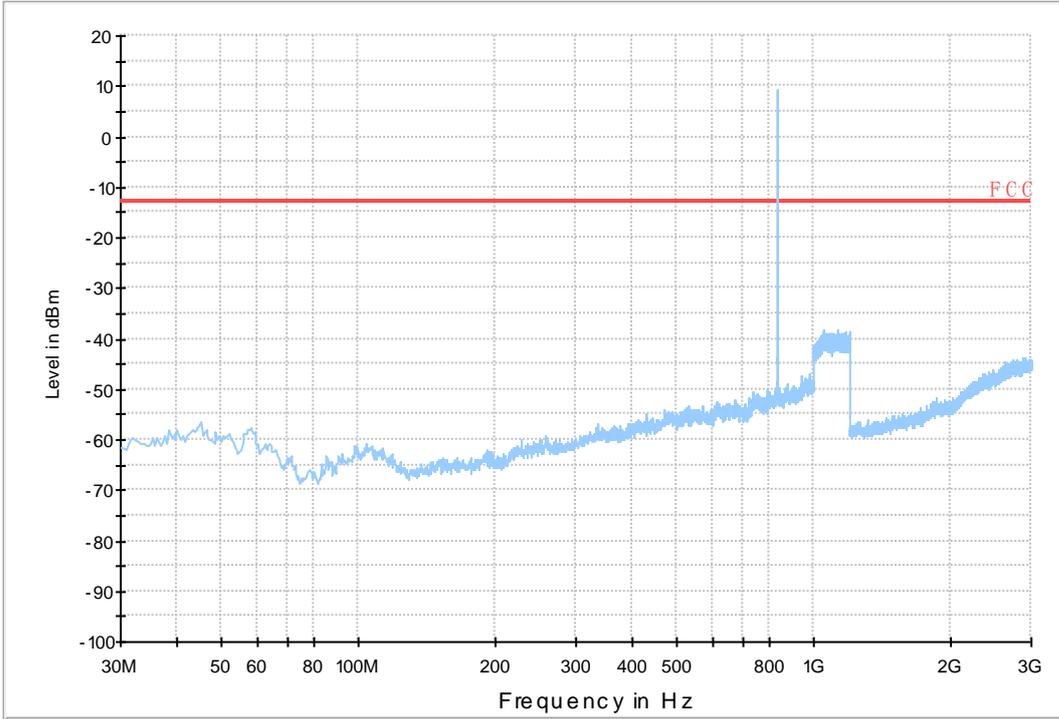
7.1 For LTE

7.1.1 Test Band = BAND26

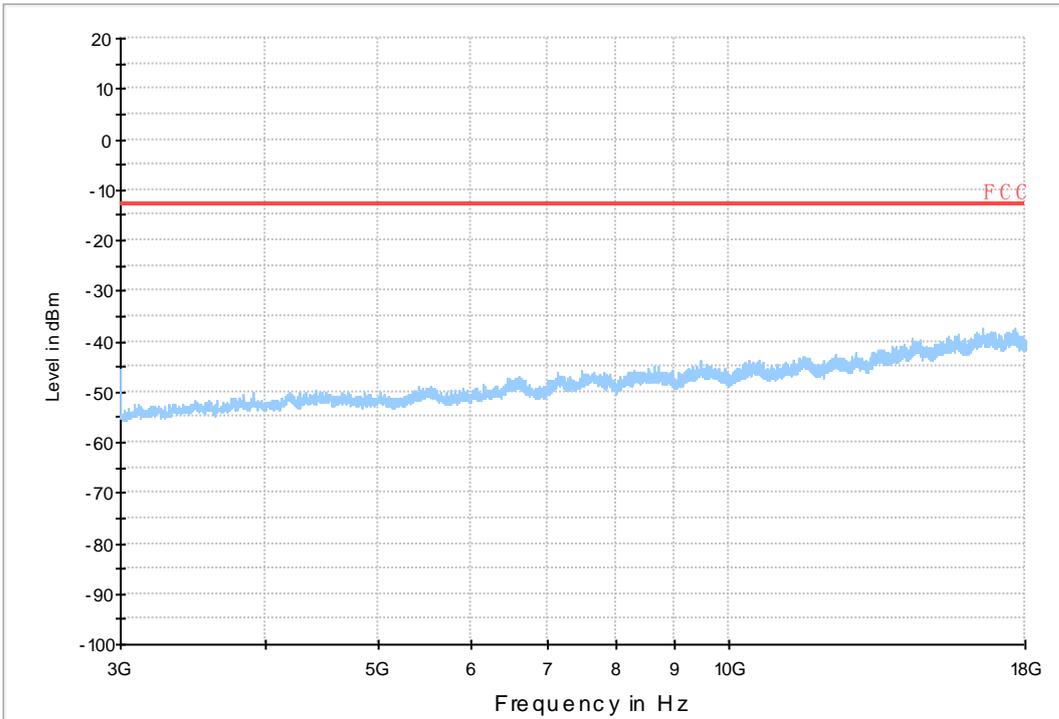
7.1.1.1 Test Bandwidth = 1.4



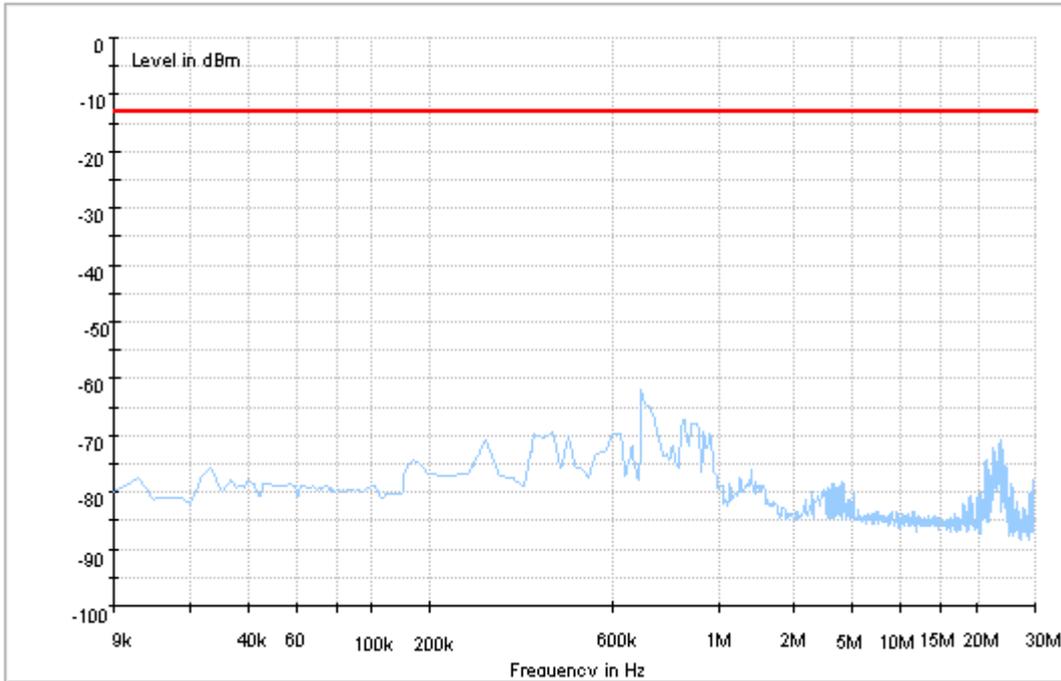
Copy of RSE-TX-DIRECTOR BELOW 1G_L



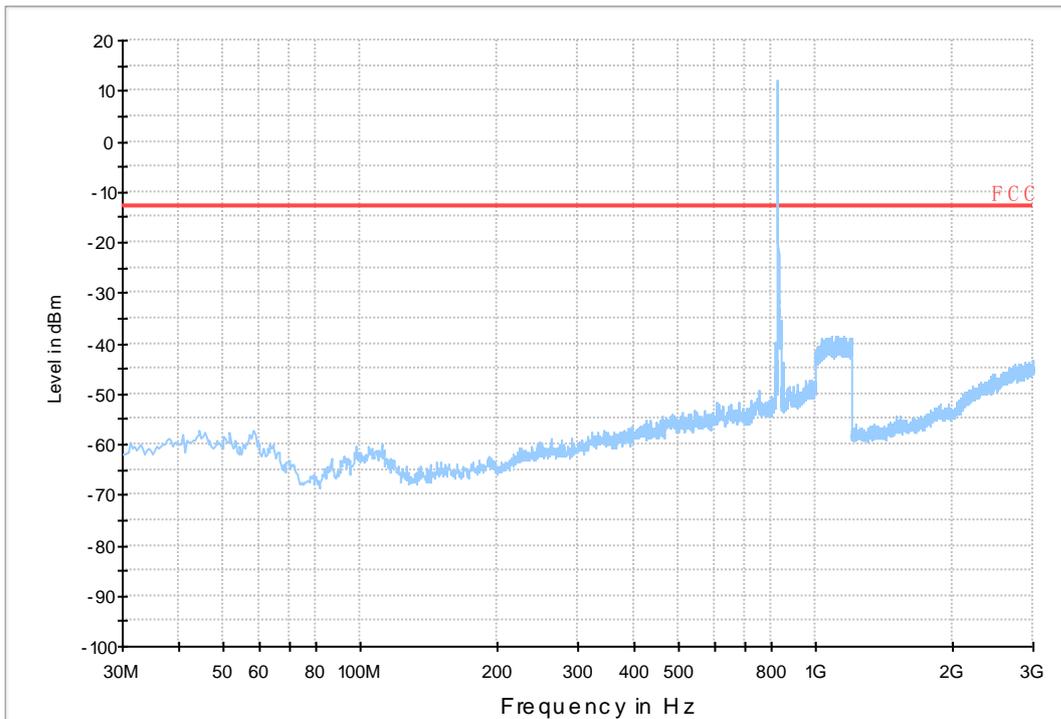
Copy of RSE-TX-DIRECTOR BELOW 1G_H



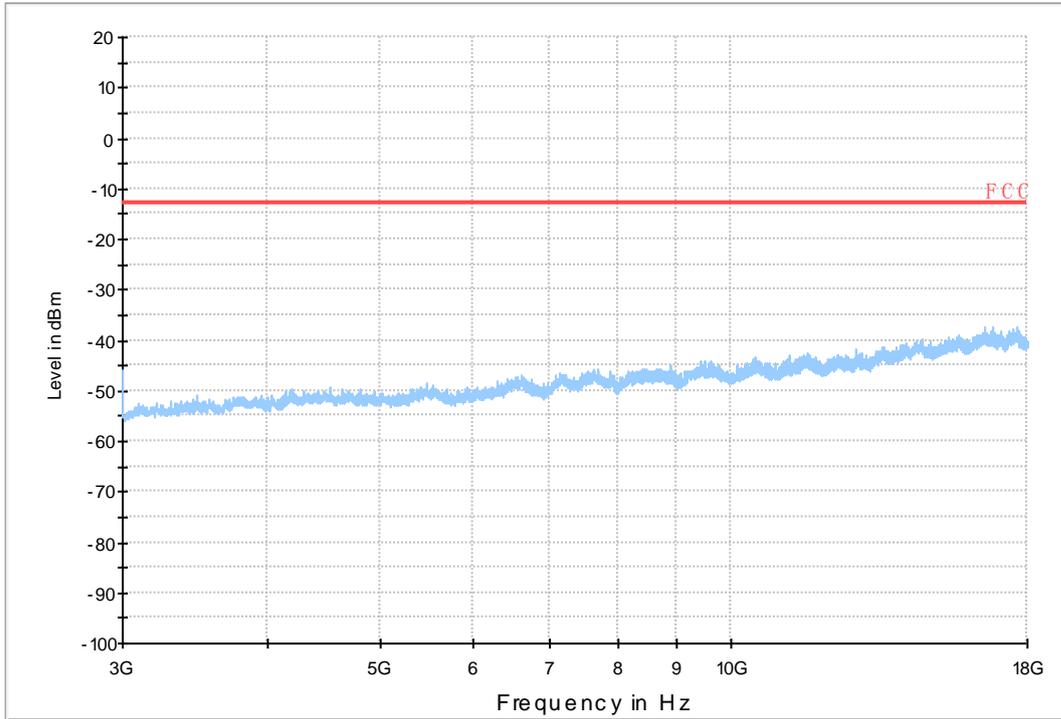
7.1.1.3 Test Bandwidth = 15



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H





8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND26	LTE/TM1	1.4	LCH	TN	VL	0.74	0.0009	PASS
					VN	-2.32	-0.00281	PASS
					VH	7.21	0.00874	PASS
			MCH	TN	VL	1.66	0.00198	PASS
					VN	1.92	0.0023	PASS
					VH	0.57	0.00068	PASS
			HCH	TN	VL	1.2	0.00141	PASS
					VN	0.57	0.00067	PASS
					VH	1	0.00118	PASS
		3	LCH	TN	VL	27.65	0.03349	PASS
					VN	-3.76	-0.00455	PASS
					VH	-21.83	-0.02644	PASS
			MCH	TN	VL	-0.93	-0.00111	PASS
					VN	-6.57	-0.00785	PASS
					VH	11.6	0.01387	PASS
			HCH	TN	VL	0.54	0.00064	PASS
					VN	-2.76	-0.00326	PASS
					VH	0.9	0.00106	PASS
		5	LCH	TN	VL	13.02	0.01575	PASS
					VN	25.59	0.03096	PASS
					VH	29.57	0.03578	PASS
			MCH	TN	VL	-6.27	-0.0075	PASS
					VN	3.36	0.00402	PASS
					VH	-9.27	-0.01108	PASS
			HCH	TN	VL	12.69	0.01499	PASS
					VN	1.23	0.00145	PASS
					VH	16.58	0.01959	PASS
		10	LCH	TN	VL	-24.4	-0.02943	PASS
					VN	-41.6	-0.05018	PASS
					VH	6.74	0.00813	PASS
			MCH	TN	VL	-29.98	-0.03584	PASS
					VN	-70.67	-0.08448	PASS
					VH	85.77	0.10253	PASS
			HCH	TN	VL	4.88	0.00578	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
		15	LCH/MCH /HCH	TN	VN	5.15	0.0061	PASS		
					VH	9.98	0.01182	PASS		
					VL	-1.89	-0.00227	PASS		
					VN	7.51	0.00903	PASS		
					VH	-23	-0.02766	PASS		
			LTE/TM2	1.4	LCH	TN	VL	0.59	0.00072	PASS
							VN	0.99	0.0012	PASS
							VH	0.89	0.00108	PASS
					MCH	TN	VL	1.02	0.00122	PASS
							VN	0.51	0.00061	PASS
							VH	1.62	0.00194	PASS
					HCH	TN	VL	0.64	0.00075	PASS
							VN	1.16	0.00137	PASS
							VH	1.33	0.00157	PASS
				3	LCH	TN	VL	11.12	0.01347	PASS
	VN						-26.18	-0.03171	PASS	
	VH						-15.61	-0.01891	PASS	
	MCH				TN	VL	4.41	0.00527	PASS	
						VN	-2.02	-0.00241	PASS	
						VH	-1.17	-0.0014	PASS	
	HCH	TN	VL	0.92	0.00109	PASS				
			VN	-17.77	-0.02097	PASS				
			VH	7.42	0.00876	PASS				
	5	LCH	TN	VL	-17.15	-0.02075	PASS			
				VN	30.21	0.03655	PASS			
				VH	-2.26	-0.00273	PASS			
		MCH	TN	VL	-6.28	-0.00751	PASS			
				VN	-2.5	-0.00299	PASS			
				VH	-4.26	-0.00509	PASS			
		HCH	TN	VL	4.73	0.00559	PASS			
				VN	-18.78	-0.02219	PASS			
				VH	4.45	0.00526	PASS			
	10	LCH	TN	VL	-6.78	-0.00818	PASS			
				VN	-0.99	-0.00119	PASS			
				VH	4.73	0.00571	PASS			
		MCH	TN	VL	-0.97	-0.00116	PASS			
				VN	-8.84	-0.01057	PASS			
				VH	59.7	0.07137	PASS			
	HCH	TN	VL	-2.85	-0.00338	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-3.05	-0.00361	PASS
					VH	-2.09	-0.00248	PASS
		15	LCH/MCH /HCH	TN	VL	-24.25	-0.02916	PASS
					VN	-38.25	-0.046	PASS
					VH	-7.37	-0.00886	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
BAND26	LTE/TM1	1.4	LCH	VN	-30	0.63	0.00076	PASS
					-20	4.79	0.00581	PASS
					-10	1.07	0.0013	PASS
					0	11.86	0.01438	PASS
					10	-0.01	-0.00001	PASS
					20	3.66	0.00444	PASS
					30	0.03	0.00004	PASS
					40	-3.48	-0.00422	PASS
			50	0.64	0.00078	PASS		
			MCH	VN	-30	0.92	0.0011	PASS
					-20	0.17	0.0002	PASS
					-10	0.7	0.00084	PASS
					0	-0.14	-0.00017	PASS
					10	1.07	0.00128	PASS
					20	0.2	0.00024	PASS
					30	0.34	0.00041	PASS
					40	0.51	0.00061	PASS
			HCH	VN	-30	1.04	0.00123	PASS
					-20	1.06	0.00125	PASS
					-10	-7.2	-0.00849	PASS
					0	0.79	0.00093	PASS
					10	0.16	0.00019	PASS
					20	-0.47	-0.00055	PASS
					30	0.83	0.00098	PASS
		40			0.1	0.00012	PASS	
		50	-19.1	-0.02252	PASS			
		3	LCH	VN	-30	-20.96	-0.02539	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-6.12	-0.00741	PASS
					-10	-5.58	-0.00676	PASS
					0	7.45	0.00902	PASS
					10	-6.58	-0.00797	PASS
					20	-5.58	-0.00676	PASS
					30	-1.14	-0.00138	PASS
					40	-3.76	-0.00455	PASS
			50	-36.31	-0.04399	PASS		
			MCH	VN	-30	15.19	0.01816	PASS
					-20	0.96	0.00115	PASS
					-10	-3.15	-0.00377	PASS
					0	0.19	0.00023	PASS
					10	-0.39	-0.00047	PASS
					20	-4.31	-0.00515	PASS
					30	-1.62	-0.00194	PASS
			40	9	0.01076	PASS		
			50	0.99	0.00118	PASS		
			HCH	VN	-30	13.52	0.01595	PASS
					-20	1.63	0.00192	PASS
					-10	0.03	0.00004	PASS
					0	2.39	0.00282	PASS
		10			7.28	0.00859	PASS	
		20			-1.54	-0.00182	PASS	
		30			15.44	0.01822	PASS	
		40	-4.99	-0.00589	PASS			
		50	-8.48	-0.01001	PASS			
		5	LCH	VN	-30	16.49	0.01995	PASS
					-20	1.12	0.00136	PASS
					-10	8.04	0.00973	PASS
					0	22.24	0.02691	PASS
					10	-16.04	-0.01941	PASS
					20	9.1	0.01101	PASS
					30	29.48	0.03567	PASS
			40	18.98	0.02296	PASS		
			50	3.93	0.00475	PASS		
			MCH	VN	-30	1.34	0.0016	PASS
					-20	0.44	0.00053	PASS
					-10	-3.69	-0.00441	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-0.17	-0.0002	PASS
					10	2.02	0.00241	PASS
					20	0.34	0.00041	PASS
					30	-5.18	-0.00619	PASS
					40	-4.28	-0.00512	PASS
					50	0.74	0.00088	PASS
			HCH	VN	-30	0.8	0.00095	PASS
					-20	-15.55	-0.01837	PASS
					-10	-1.83	-0.00216	PASS
					0	-5.58	-0.00659	PASS
					10	12.73	0.01504	PASS
					20	-3.13	-0.0037	PASS
					30	2.88	0.0034	PASS
					40	-2.05	-0.00242	PASS
					50	-9.48	-0.0112	PASS
		10	LCH	VN	-30	3.42	0.00413	PASS
					-20	10.13	0.01222	PASS
					-10	17.67	0.02131	PASS
					0	17.4	0.02099	PASS
					10	14.18	0.0171	PASS
					20	-13.09	-0.01579	PASS
					30	4.94	0.00596	PASS
					40	-1.82	-0.0022	PASS
					50	-15.59	-0.01881	PASS
			MCH	VN	-30	-21.06	-0.02518	PASS
					-20	-44.96	-0.05375	PASS
					-10	1.14	0.00136	PASS
					0	-11.93	-0.01426	PASS
					10	47.39	0.05665	PASS
					20	12.29	0.01469	PASS
		30			-35	-0.04184	PASS	
		40			-19.15	-0.02289	PASS	
		HCH	VN	-30	-3.06	-0.00363	PASS	
				-20	-0.41	-0.00049	PASS	
				-10	3.52	0.00417	PASS	
				0	-8.2	-0.00972	PASS	
				10	-3.59	-0.00425	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					20	0.54	0.00064	PASS	
					30	2.46	0.00291	PASS	
					40	-2.85	-0.00338	PASS	
					50	-2.15	-0.00255	PASS	
		15	LCH/MCH /HCH	VN	-30	-84.11	-0.10115	PASS	
					-20	-1.1	-0.00132	PASS	
					-10	-29.53	-0.03551	PASS	
					0	31.59	0.03799	PASS	
					10	-17.34	-0.02085	PASS	
					20	-3.76	-0.00452	PASS	
					30	-20.63	-0.02481	PASS	
					40	-35.32	-0.04248	PASS	
					50	16.19	0.01947	PASS	
		LTE/TM2	1.4	LCH	VN	-30	1.16	0.00141	PASS
						-20	-3.42	-0.00415	PASS
	-10					0.84	0.00102	PASS	
	0					-1.97	-0.00239	PASS	
	10					-5.88	-0.00713	PASS	
	20					-1.73	-0.0021	PASS	
	30					2.29	0.00278	PASS	
	40					6.28	0.00761	PASS	
	50					0.92	0.00112	PASS	
	MCH			VN	-30	0.1	0.00012	PASS	
					-20	-0.13	-0.00016	PASS	
					-10	0.01	0.00001	PASS	
					0	-0.3	-0.00036	PASS	
					10	0.3	0.00036	PASS	
					20	0.59	0.00071	PASS	
					30	0.56	0.00067	PASS	
					40	-0.4	-0.00048	PASS	
					50	0.29	0.00035	PASS	
	HCH	VN	-30	-0.17	-0.0002	PASS			
			-20	0.26	0.00031	PASS			
-10			-0.73	-0.00086	PASS				
0			-0.54	-0.00064	PASS				
10			-0.54	-0.00064	PASS				
20			-0.26	-0.00031	PASS				
30	2.73	0.00322	PASS						

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	0.6	0.00071	PASS
					50	0.7	0.00083	PASS
		3	LCH	VN	-30	-10.69	-0.01295	PASS
					-20	6.71	0.00813	PASS
					-10	16.18	0.0196	PASS
					0	7.87	0.00953	PASS
					10	-63.06	-0.07639	PASS
					20	0.63	0.00076	PASS
					30	-14.08	-0.01706	PASS
					40	-28.21	-0.03417	PASS
					50	8.54	0.01035	PASS
					MCH	VN	-30	-0.64
			-20	-3			-0.00359	PASS
			-10	-4.55			-0.00544	PASS
			0	-2.35			-0.00281	PASS
			10	-0.62			-0.00074	PASS
			20	-4.51			-0.00539	PASS
			30	1.1			0.00132	PASS
			40	-2.35			-0.00281	PASS
			HCH	VN	-30	-4.42	-0.00522	PASS
		-20			7.54	0.0089	PASS	
		-10			1.22	0.00144	PASS	
		0			-19.58	-0.0231	PASS	
		10			-21.7	-0.0256	PASS	
		20			9.3	0.01097	PASS	
		30			-15.65	-0.01847	PASS	
		40			-8.28	-0.00977	PASS	
		5	LCH	VN	50	0.41	0.00048	PASS
					-30	-25.09	-0.03036	PASS
					-20	7.7	0.00932	PASS
					-10	8.84	0.0107	PASS
					0	13.26	0.01604	PASS
10	11.13				0.01347	PASS		
20	17.08				0.02067	PASS		
30	2.02				0.00244	PASS		
40	-1.49				-0.0018	PASS		
50	-4.06				-0.00491	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	-1.07	-0.00128	PASS	
					-20	1.44	0.00172	PASS	
					-10	-0.14	-0.00017	PASS	
					0	-0.14	-0.00017	PASS	
					10	-11.09	-0.01326	PASS	
					20	-0.64	-0.00077	PASS	
					30	4.01	0.00479	PASS	
					40	0.73	0.00087	PASS	
			50	0.11	0.00013	PASS			
			HCH	VN	-30	0.2	0.00024	PASS	
					-20	-0.03	-0.00004	PASS	
					-10	3.68	0.00435	PASS	
					0	-0.51	-0.0006	PASS	
					10	1.63	0.00193	PASS	
					20	20.3	0.02398	PASS	
					30	-15.96	-0.01885	PASS	
					40	2.12	0.0025	PASS	
			50	1.79	0.00211	PASS			
			10	LCH	VN	-30	13.02	0.01571	PASS
						-20	19.98	0.0241	PASS
		-10				6.14	0.00741	PASS	
		0				-62.67	-0.0756	PASS	
		10				-3.5	-0.00422	PASS	
		20				6.08	0.00733	PASS	
		30				7.42	0.00895	PASS	
		40				-10.57	-0.01275	PASS	
		50		-1.56	-0.00188	PASS			
		MCH		VN	-30	14.69	0.01756	PASS	
					-20	27.01	0.03229	PASS	
					-10	83.97	0.10038	PASS	
					0	29.04	0.03472	PASS	
					10	-6.22	-0.00744	PASS	
					20	25.11	0.03002	PASS	
					30	92.38	0.11044	PASS	
					40	48.59	0.05809	PASS	
		50		62.86	0.07515	PASS			
		HCH		VN	-30	3.53	0.00418	PASS	
					-20	-0.16	-0.00019	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-3.2	-0.00379	PASS
					0	2.22	0.00263	PASS
					10	2.36	0.0028	PASS
					20	1.56	0.00185	PASS
					30	-2.32	-0.00275	PASS
					40	2.45	0.0029	PASS
					50	0.06	0.00007	PASS
		15	LCH/MCH /HCH	VN	-30	16.99	0.02043	PASS
					-20	-5.66	-0.00681	PASS
					-10	19.84	0.02386	PASS
					0	-0.76	-0.00091	PASS
					10	-21.17	-0.02546	PASS
					20	11.84	0.01424	PASS
					30	20.7	0.02489	PASS
					40	-28.42	-0.03418	PASS
					50	16.28	0.01958	PASS

END