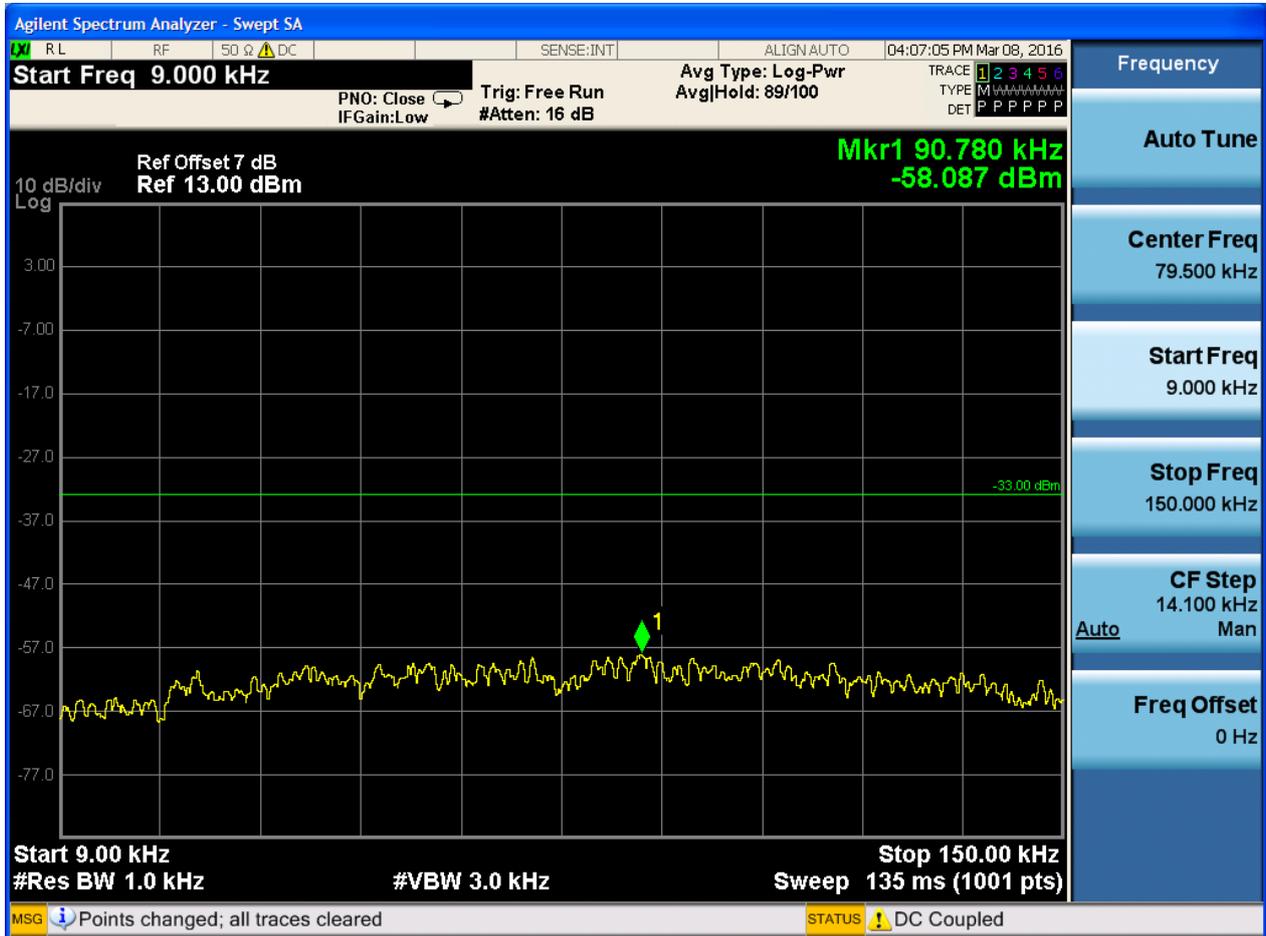


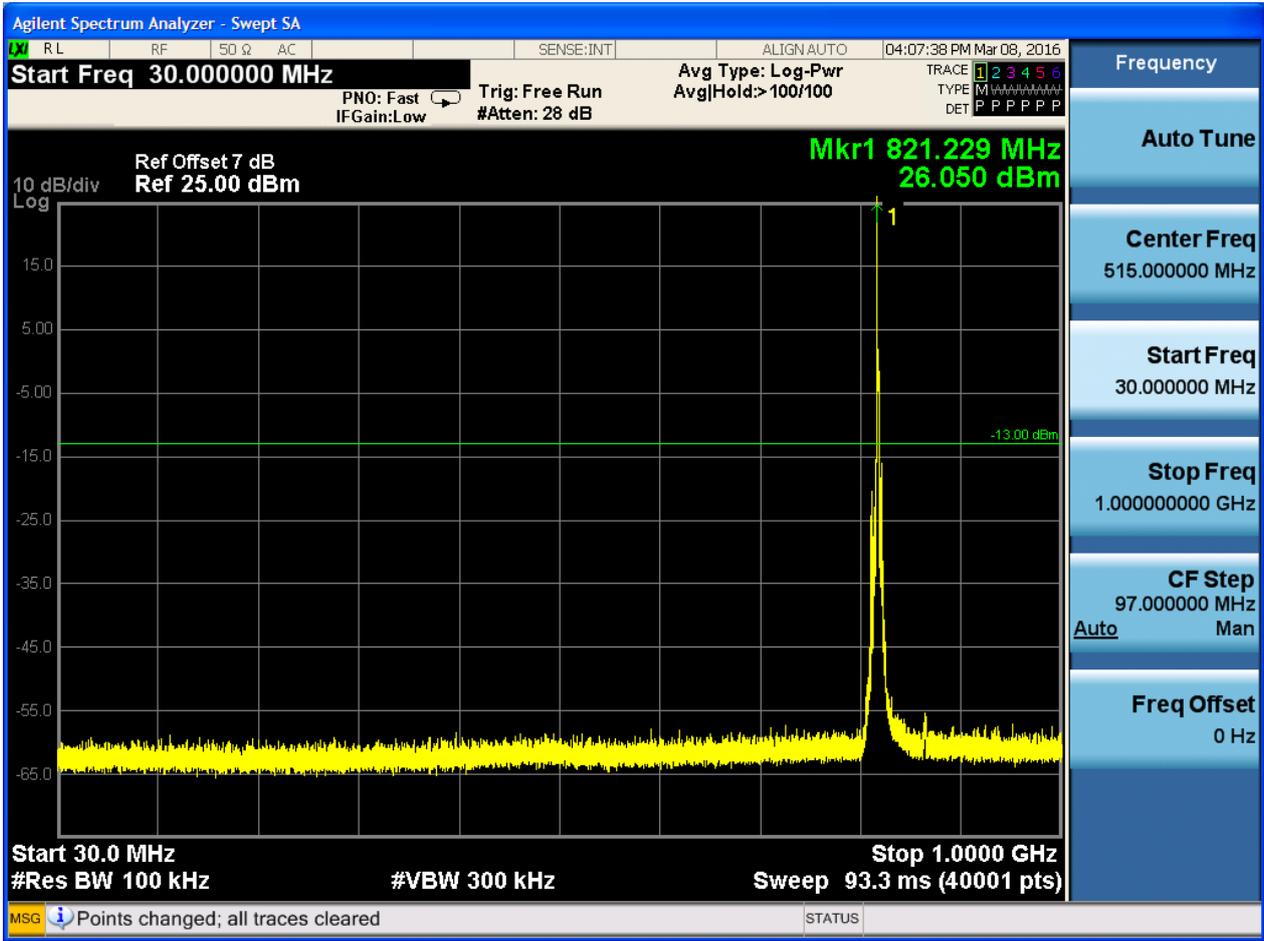


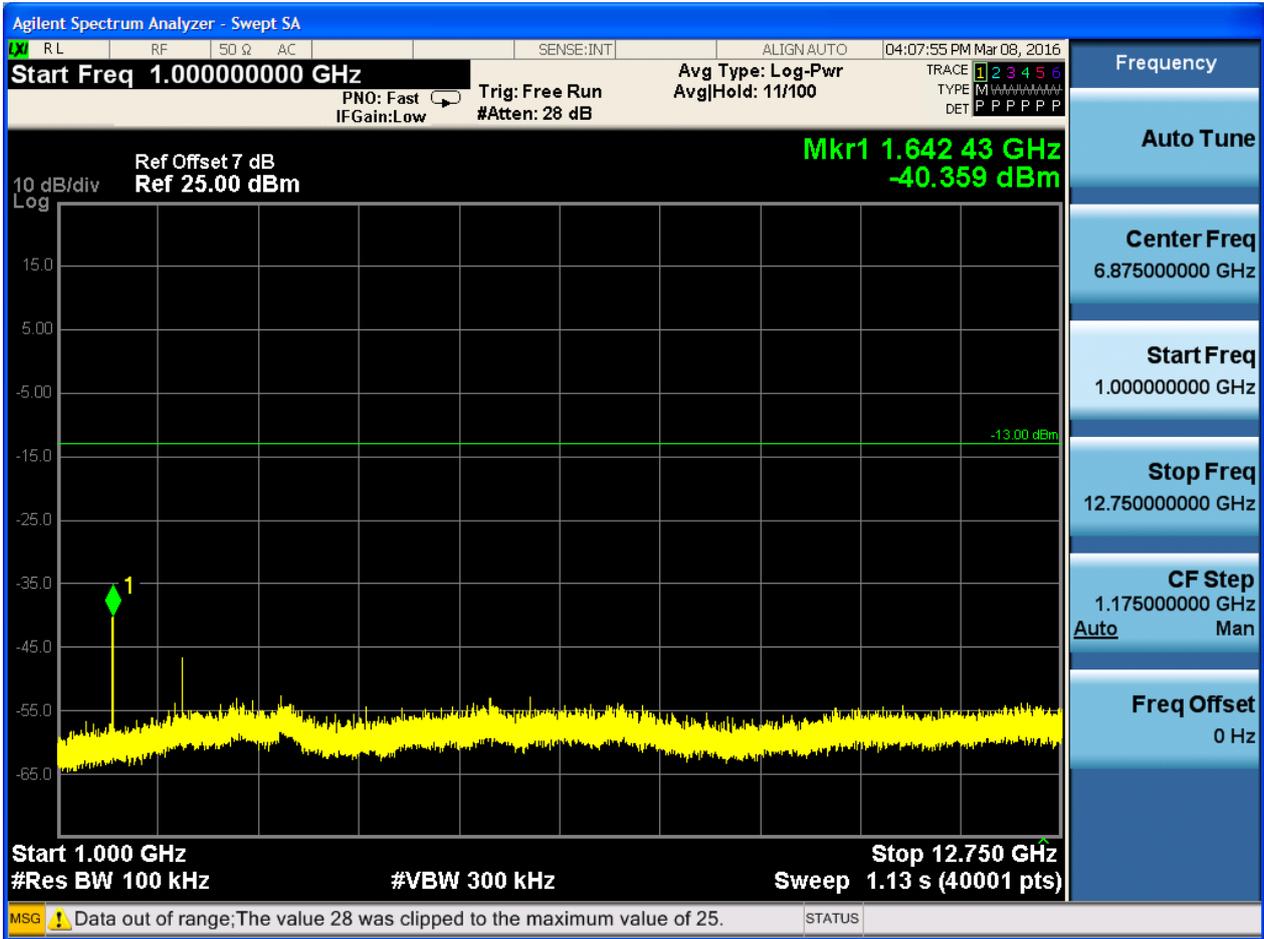
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







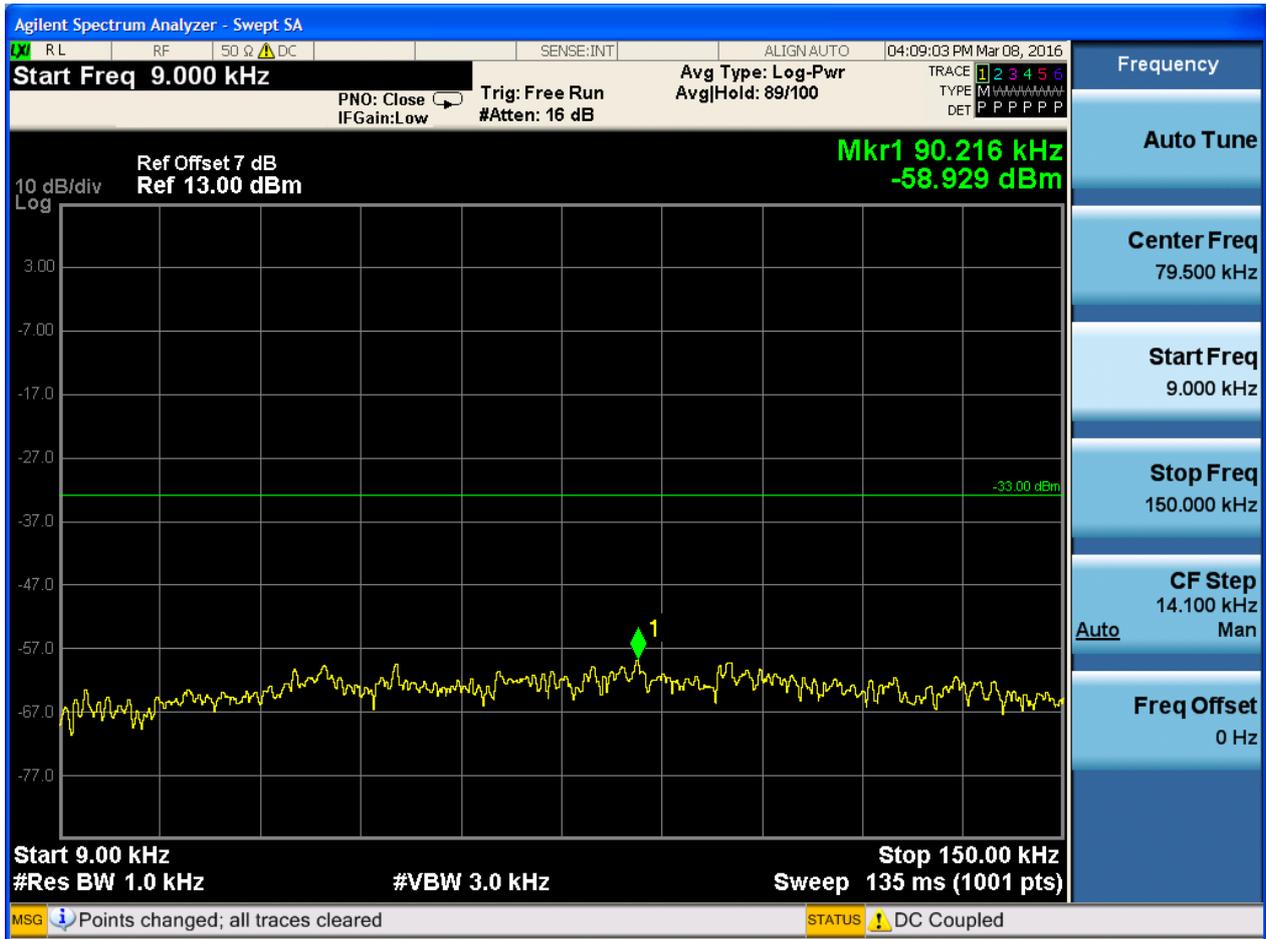


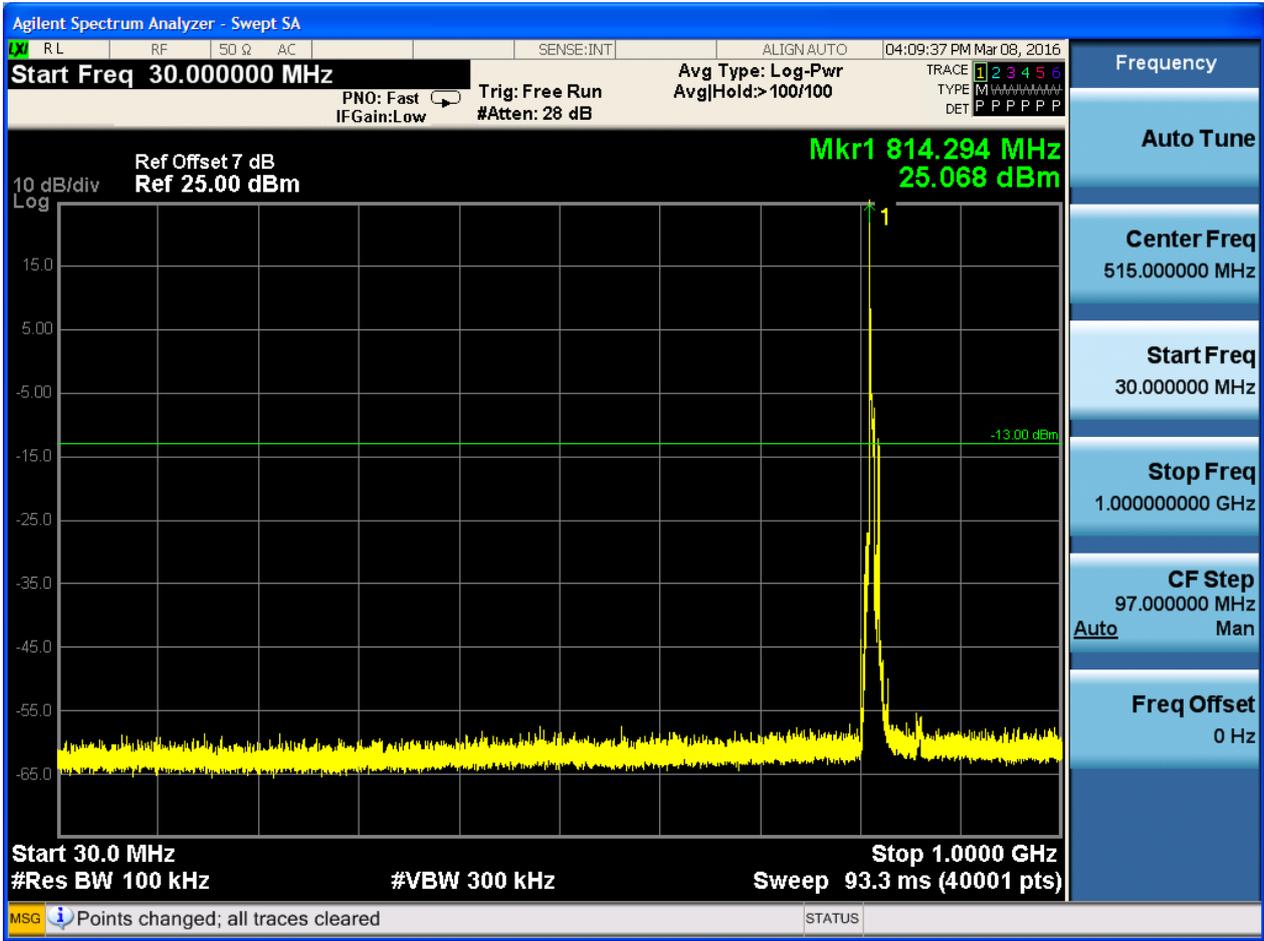


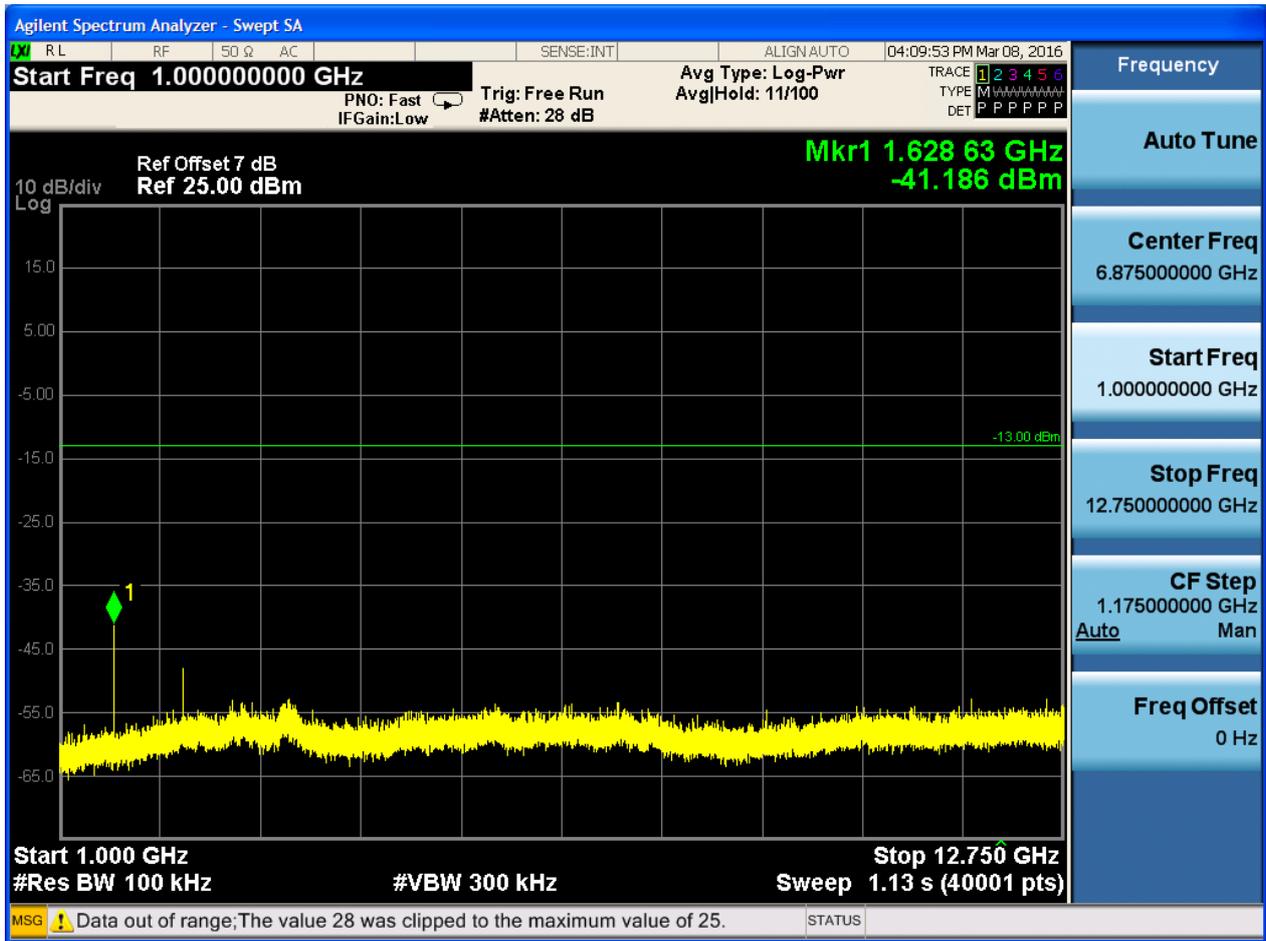
6.1.1.1.3 Test Bandwidth = 5

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



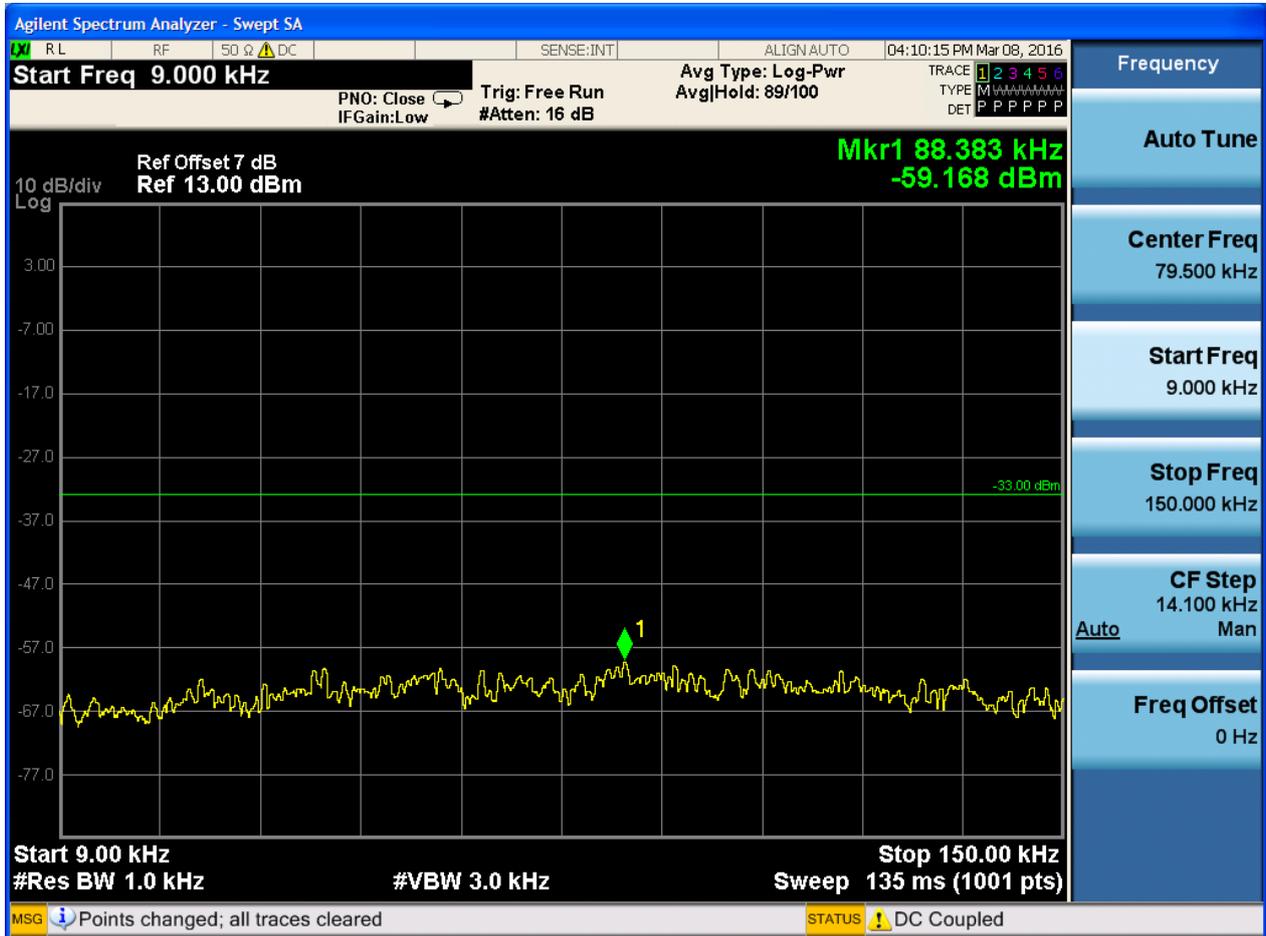


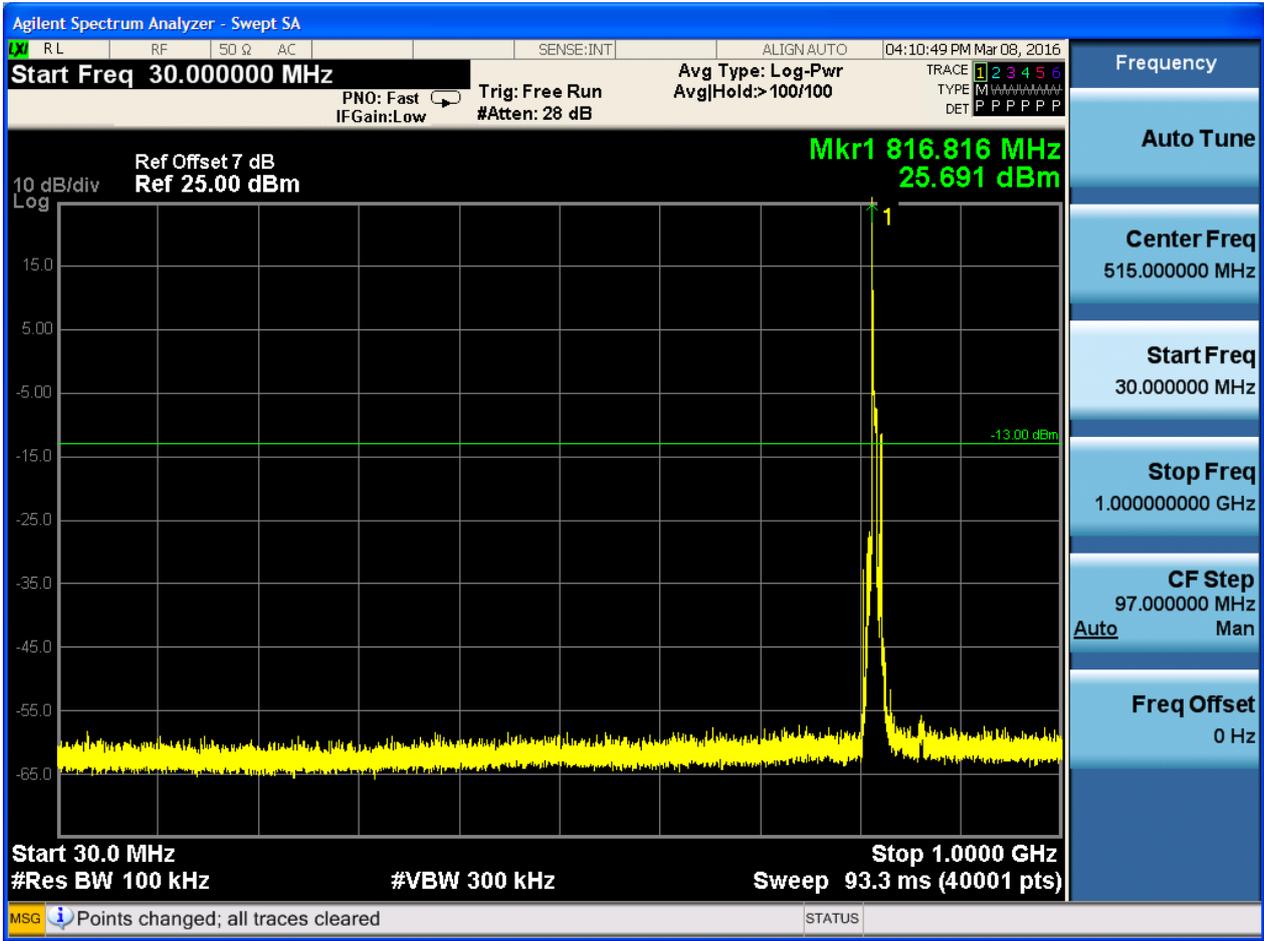


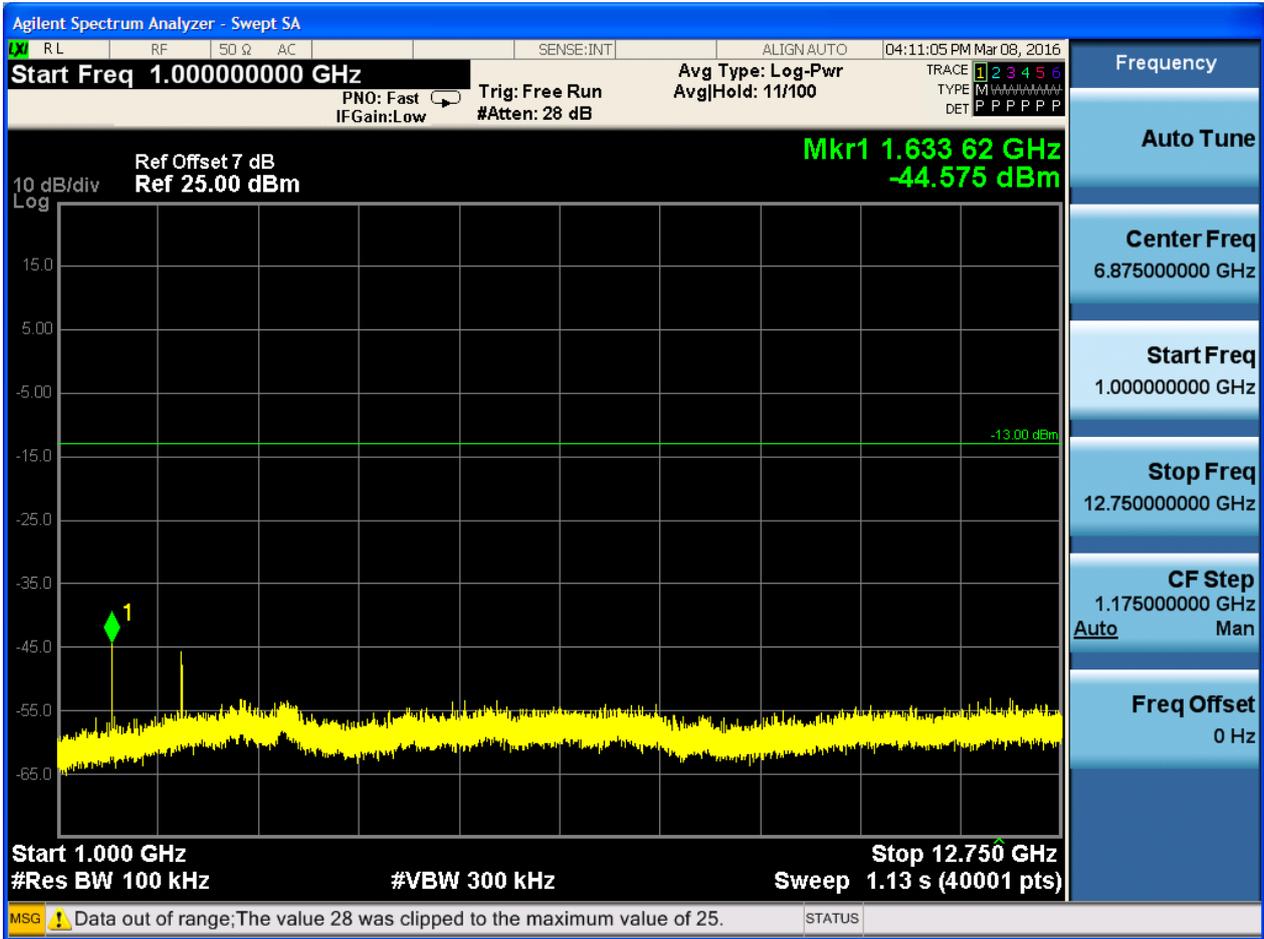


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



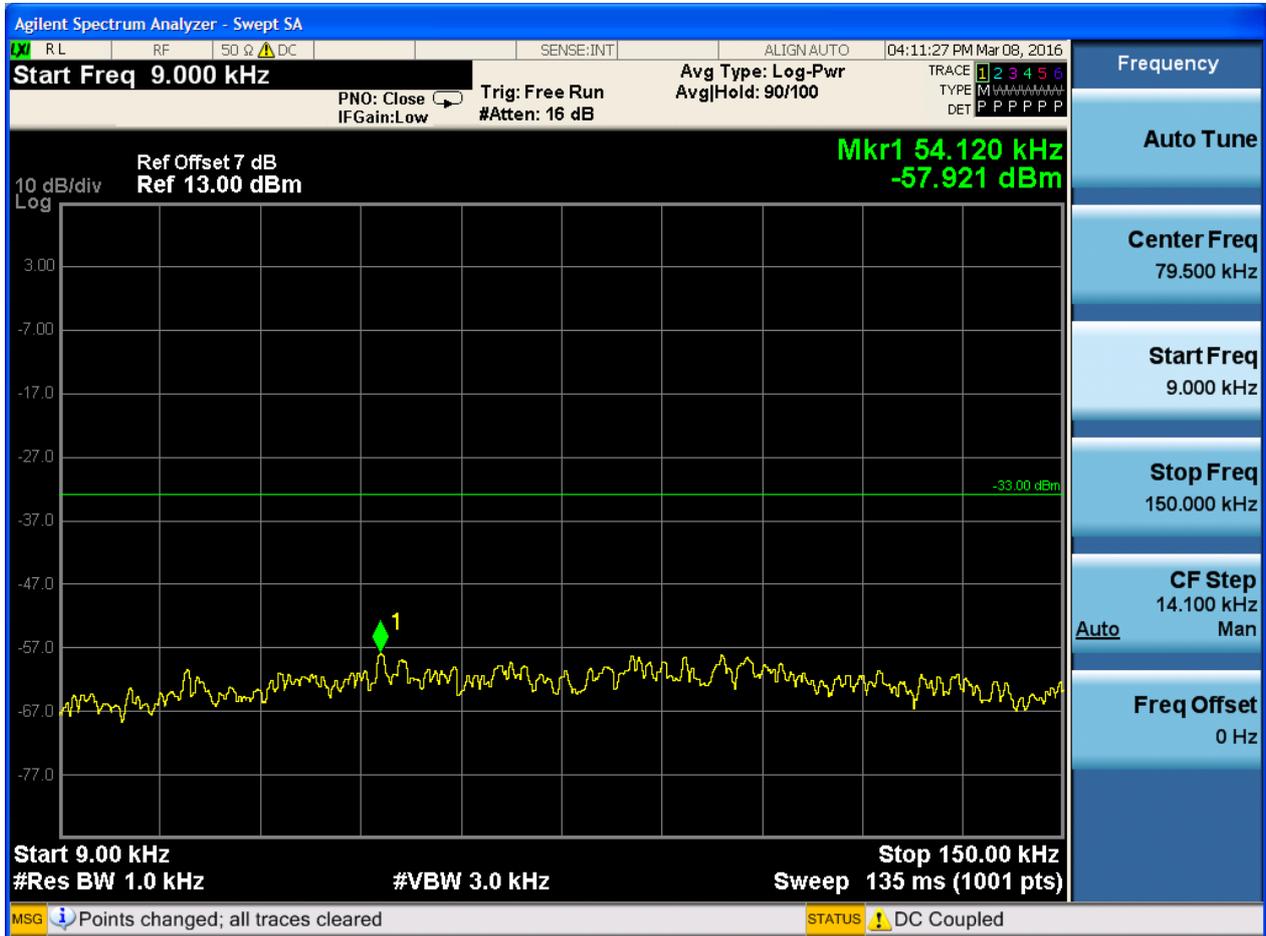


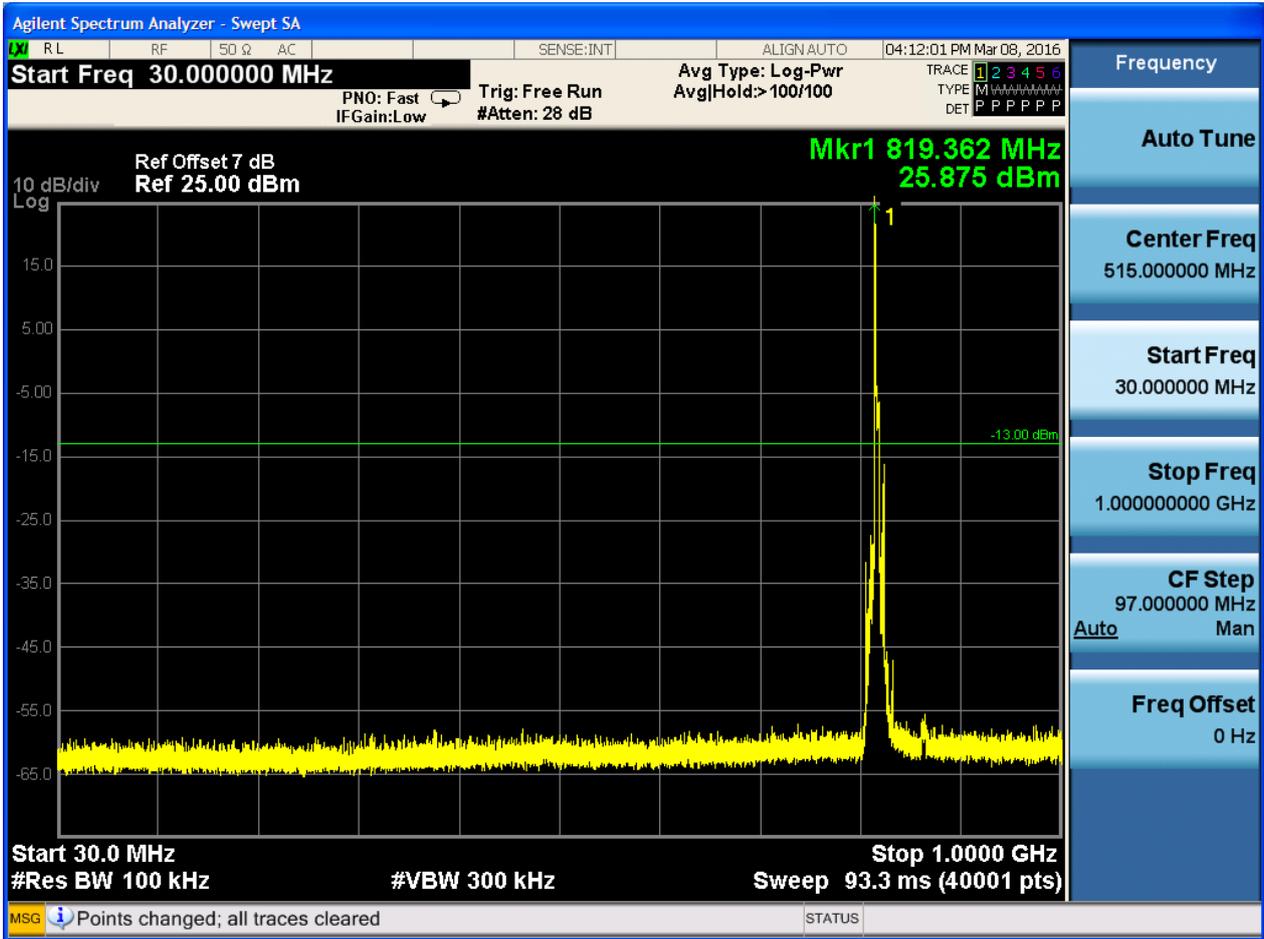


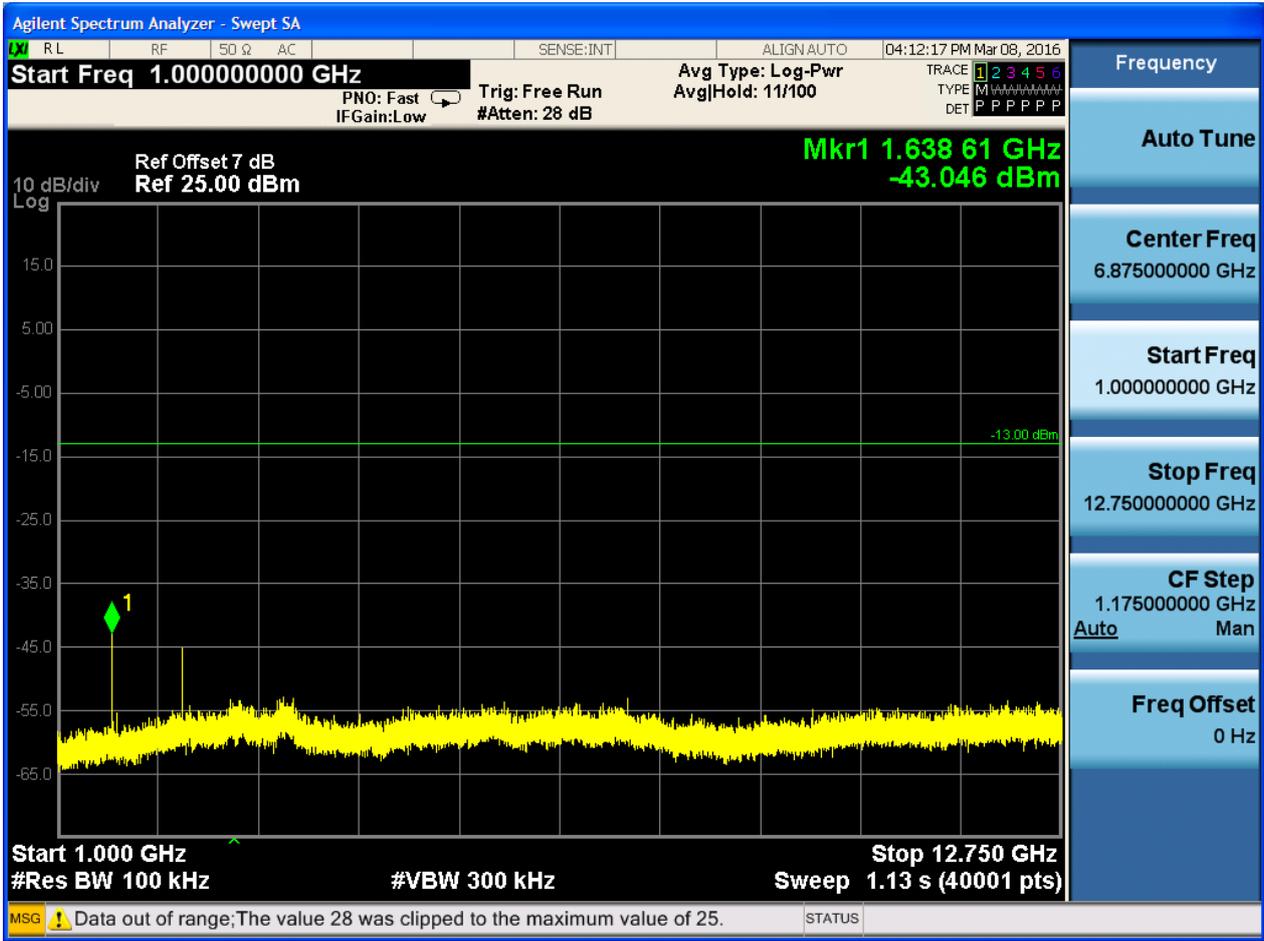


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





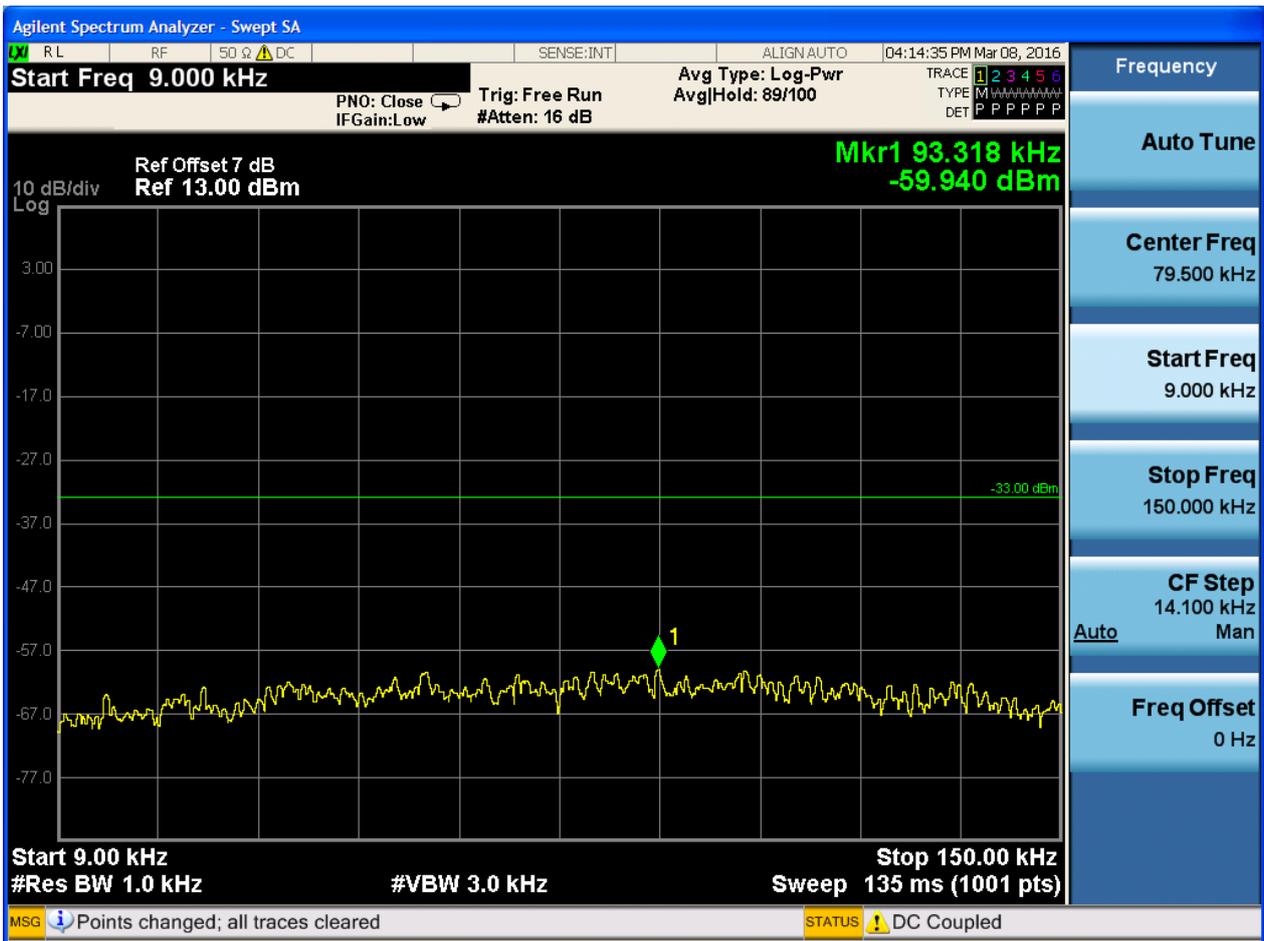


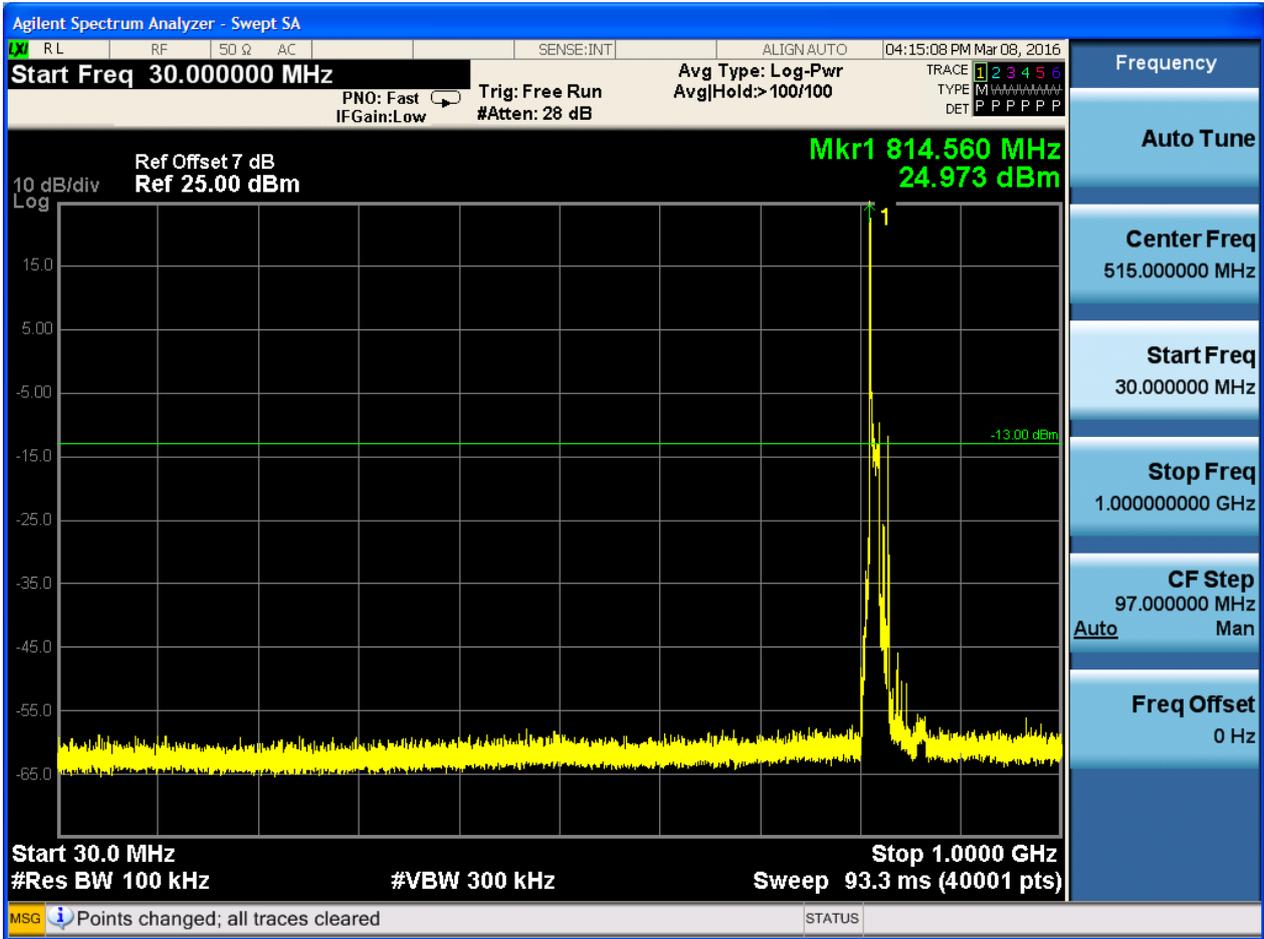


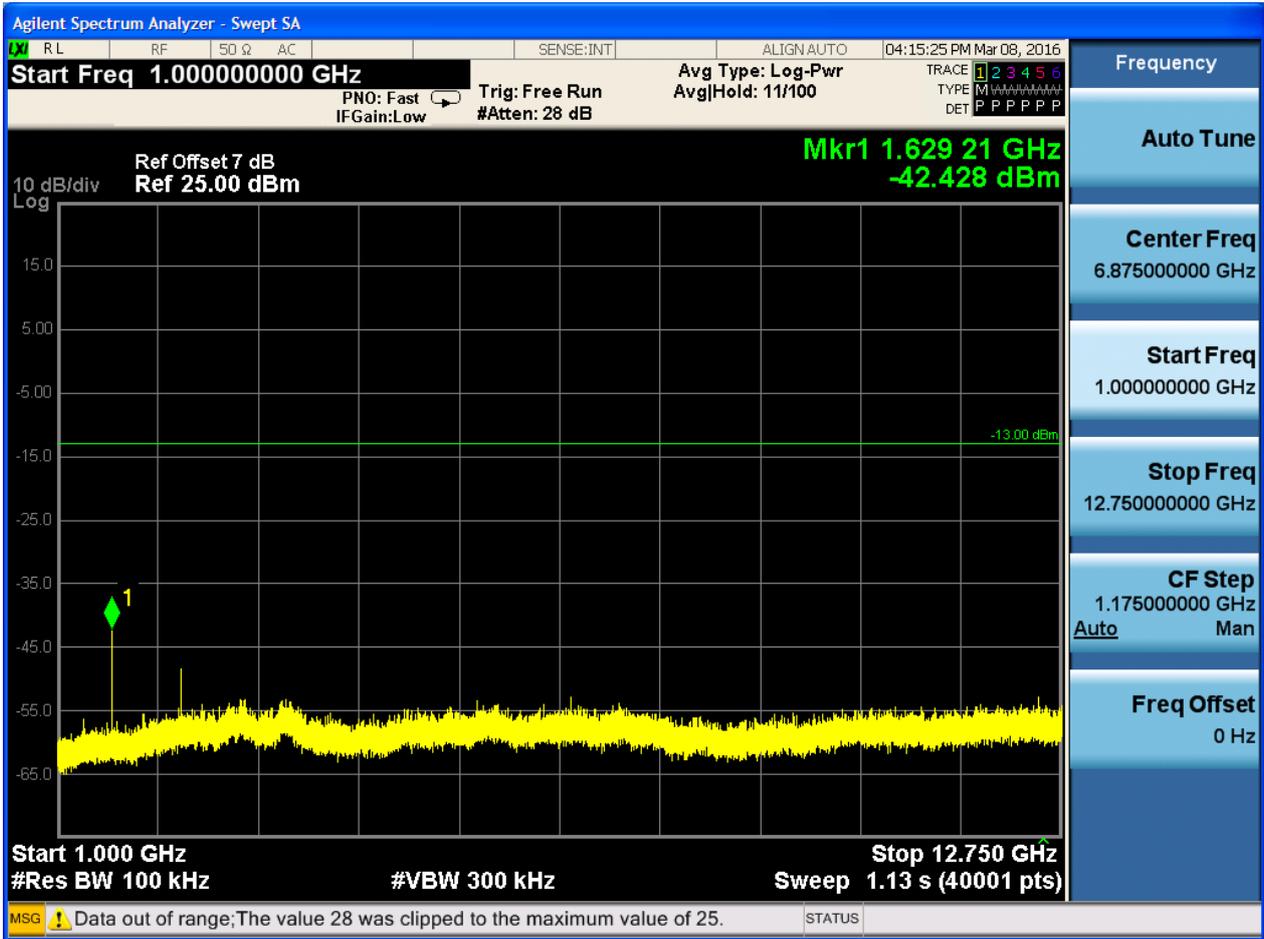
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH/MCH/HCH

6.1.1.1.4.1.1 Test RB = RB1#0







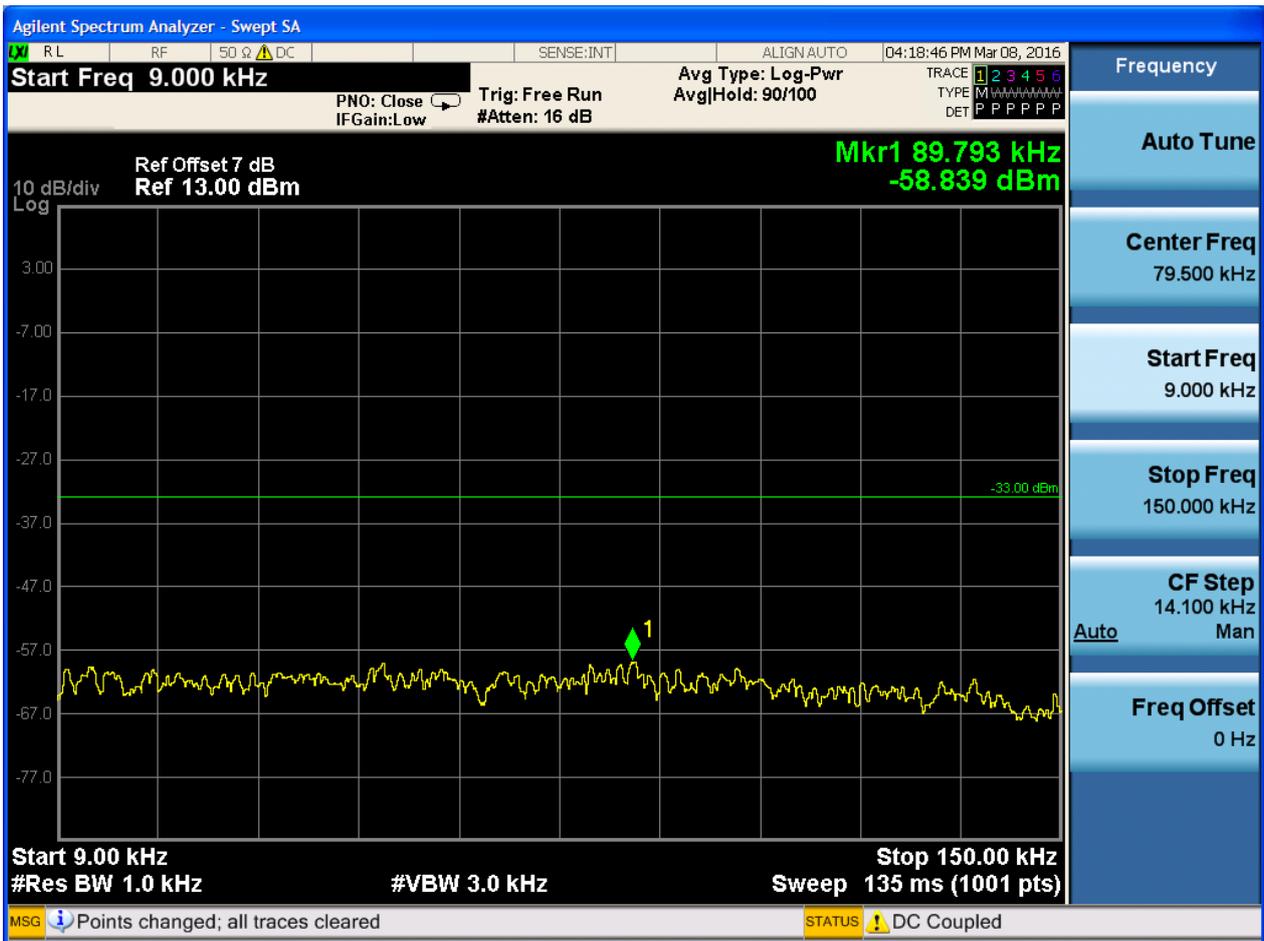


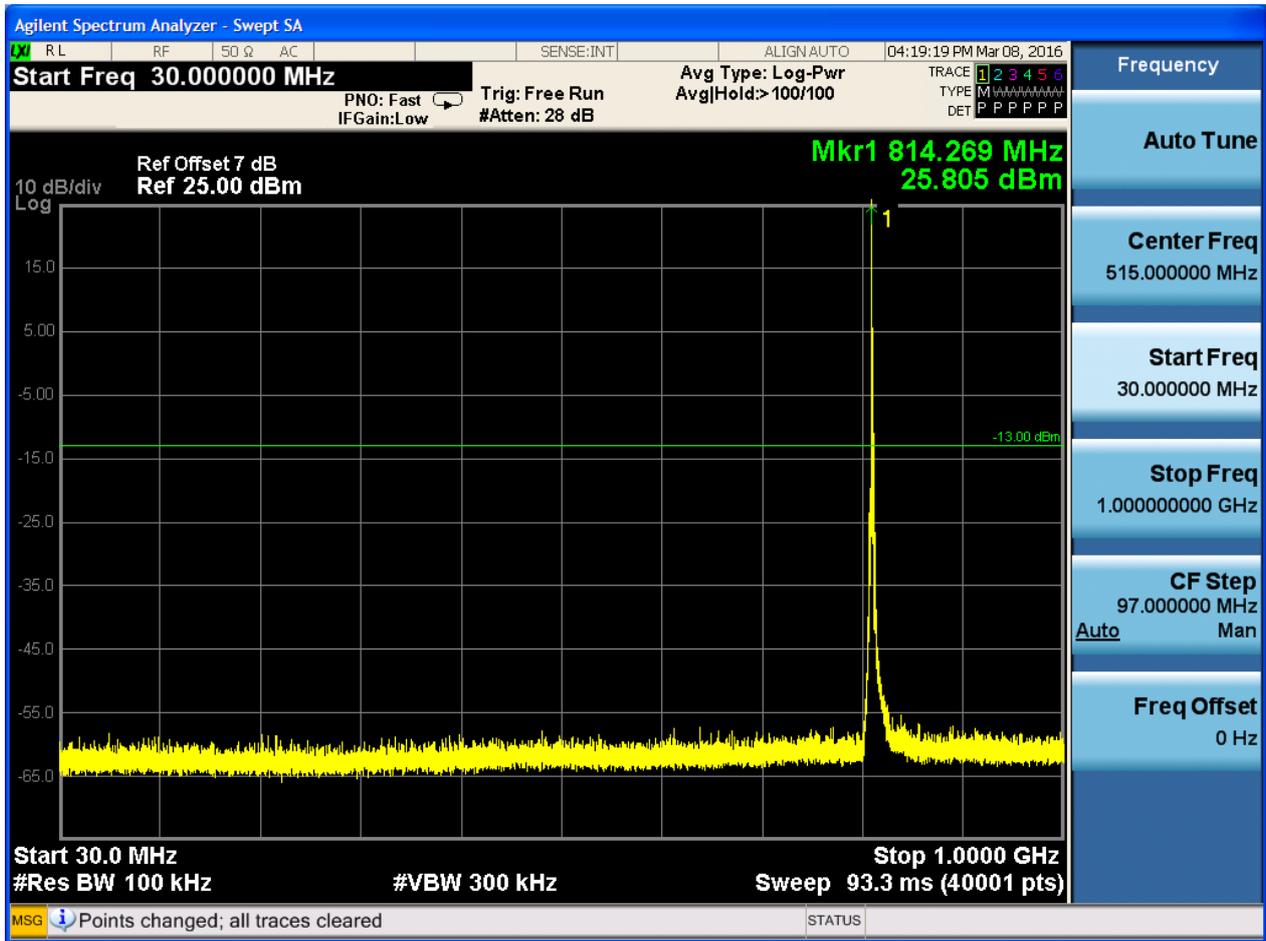
6.1.1.2 Test Mode = LTE/TM2

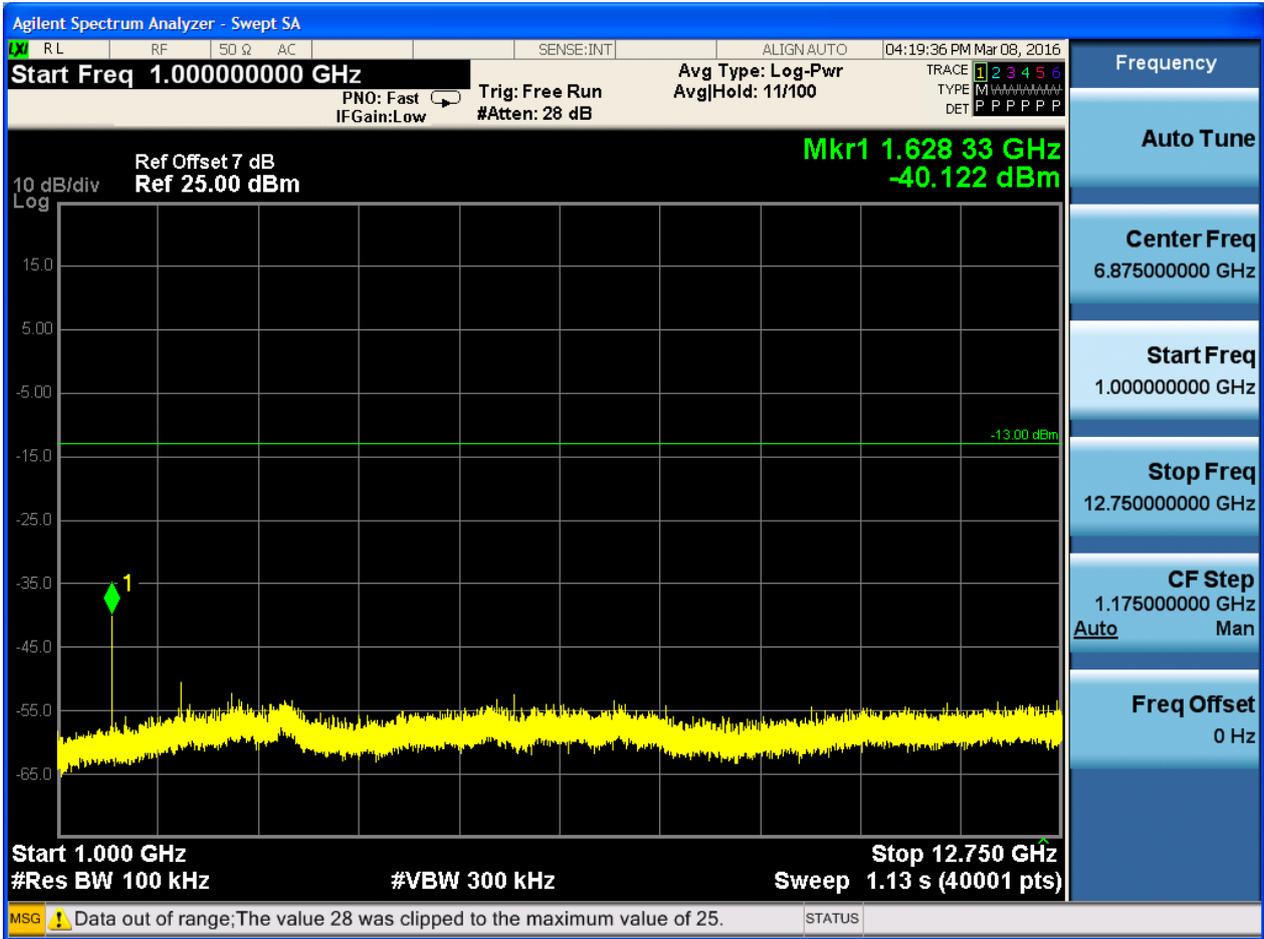
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



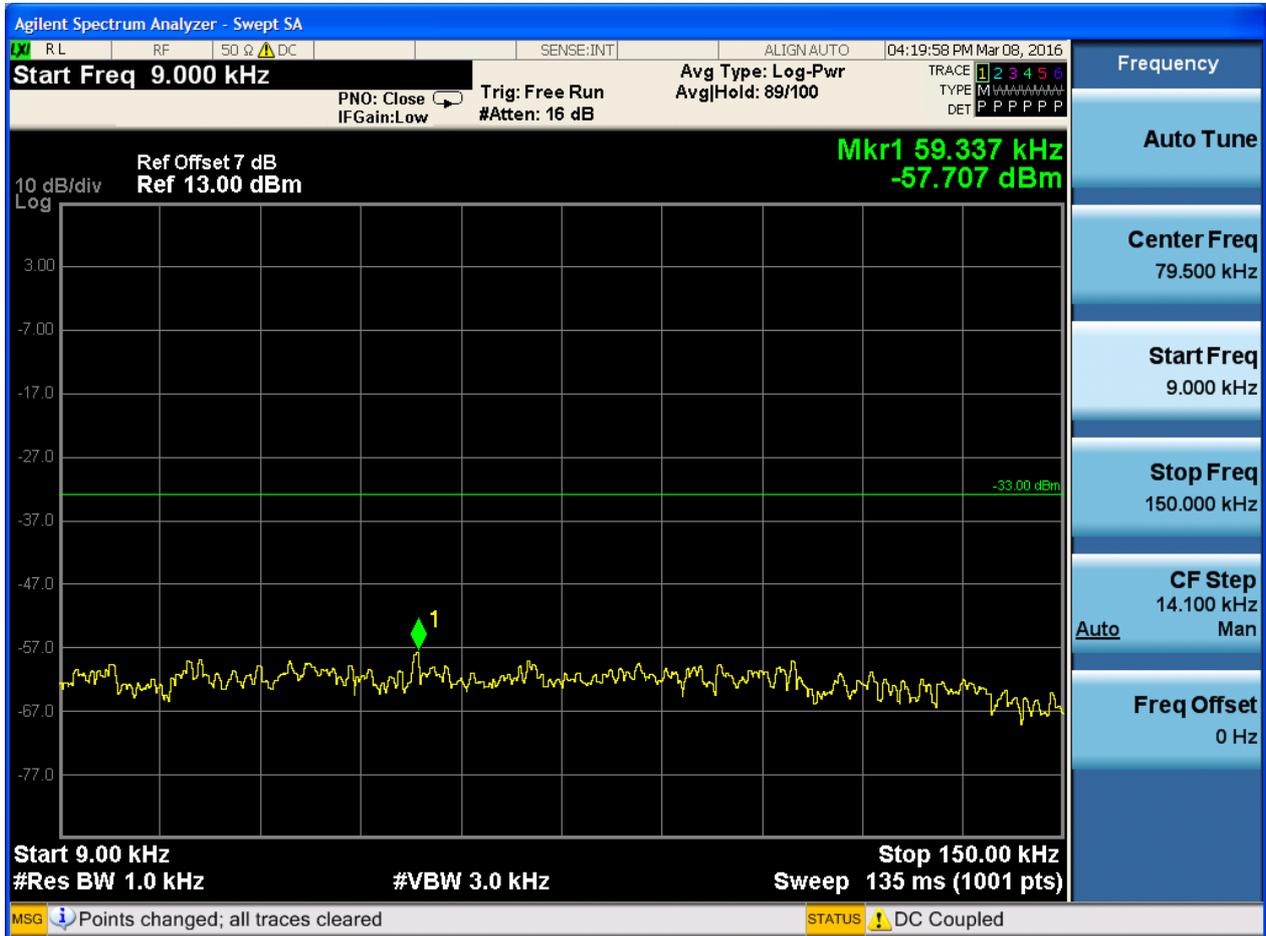


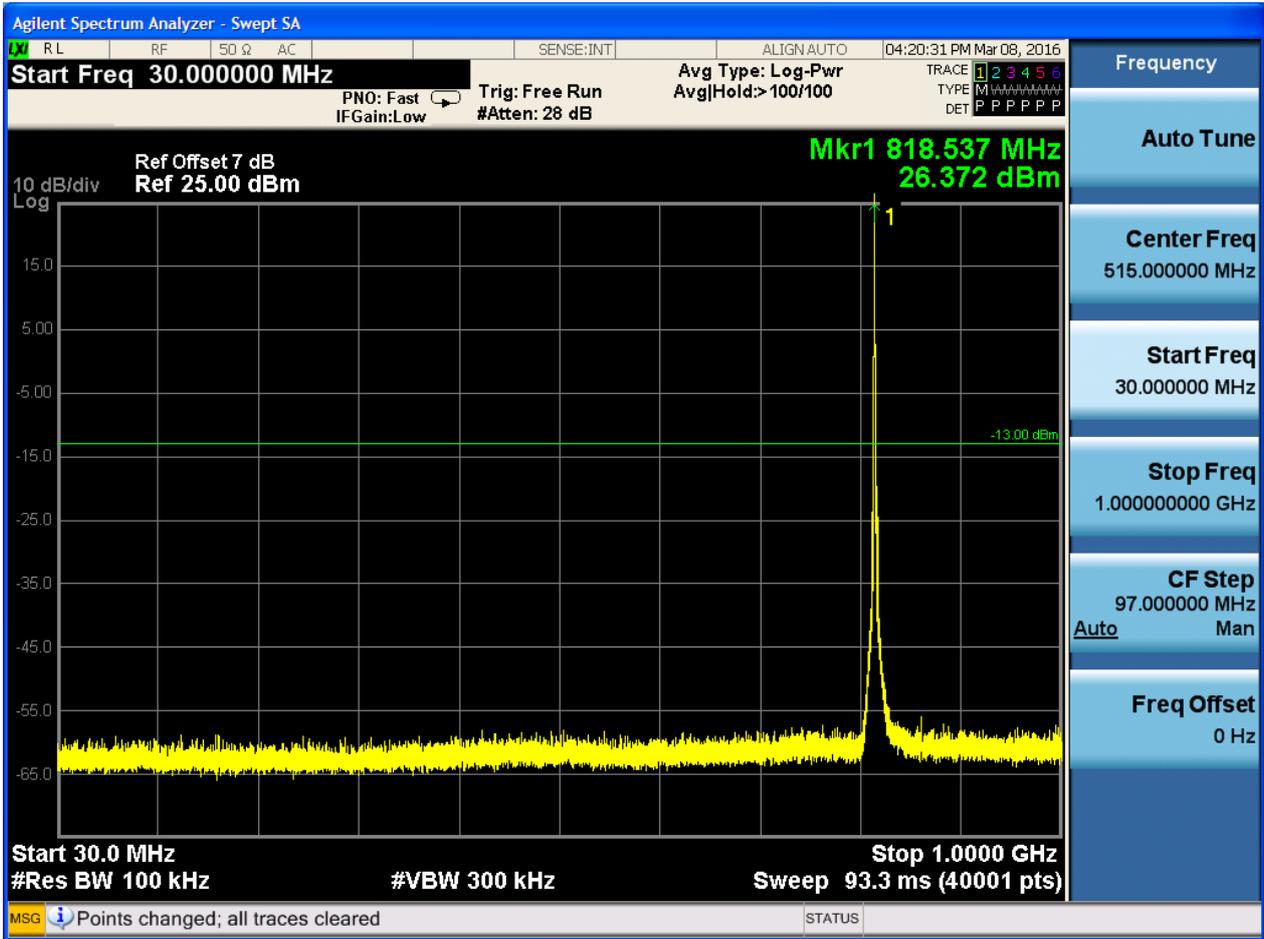


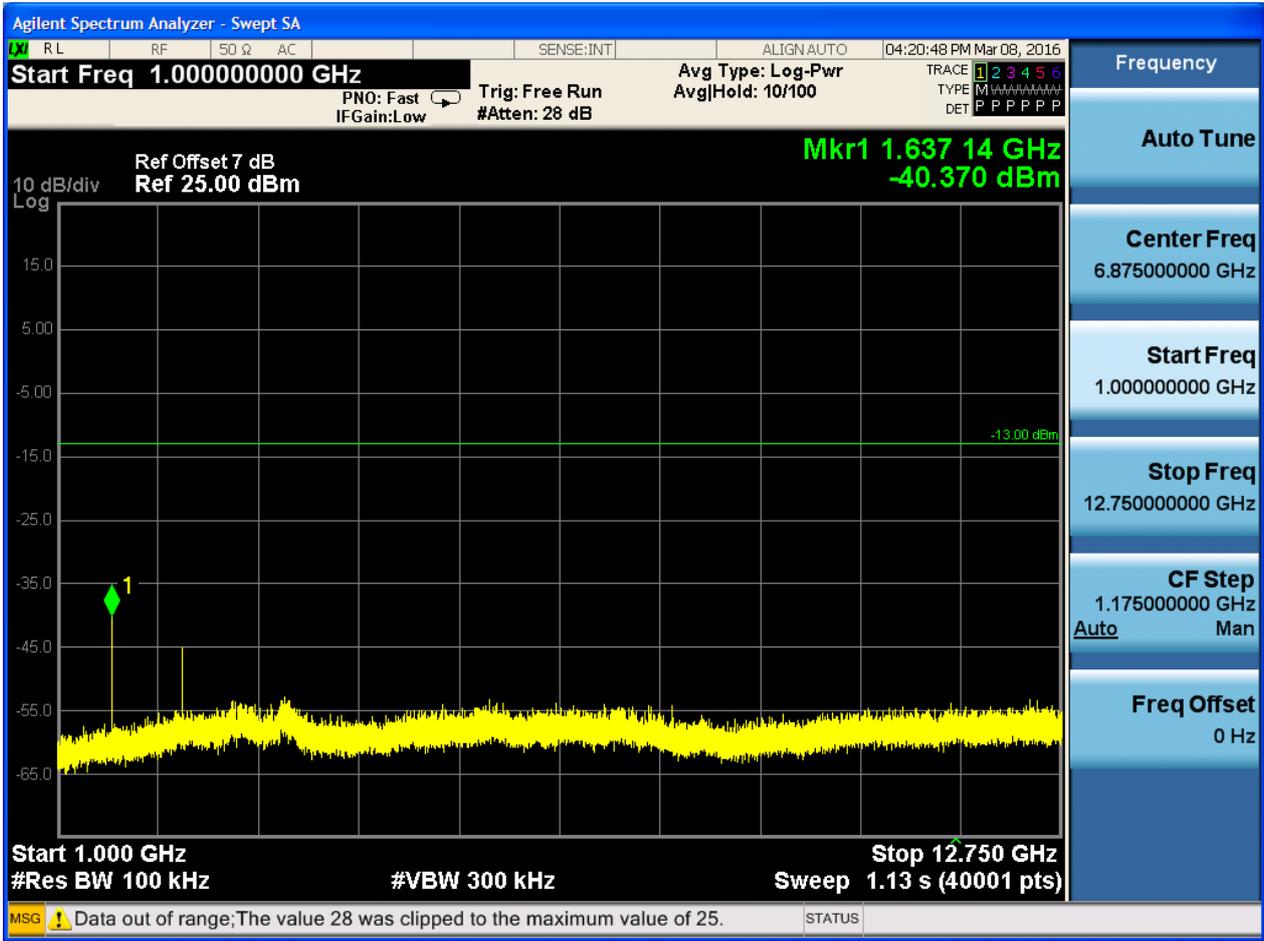


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



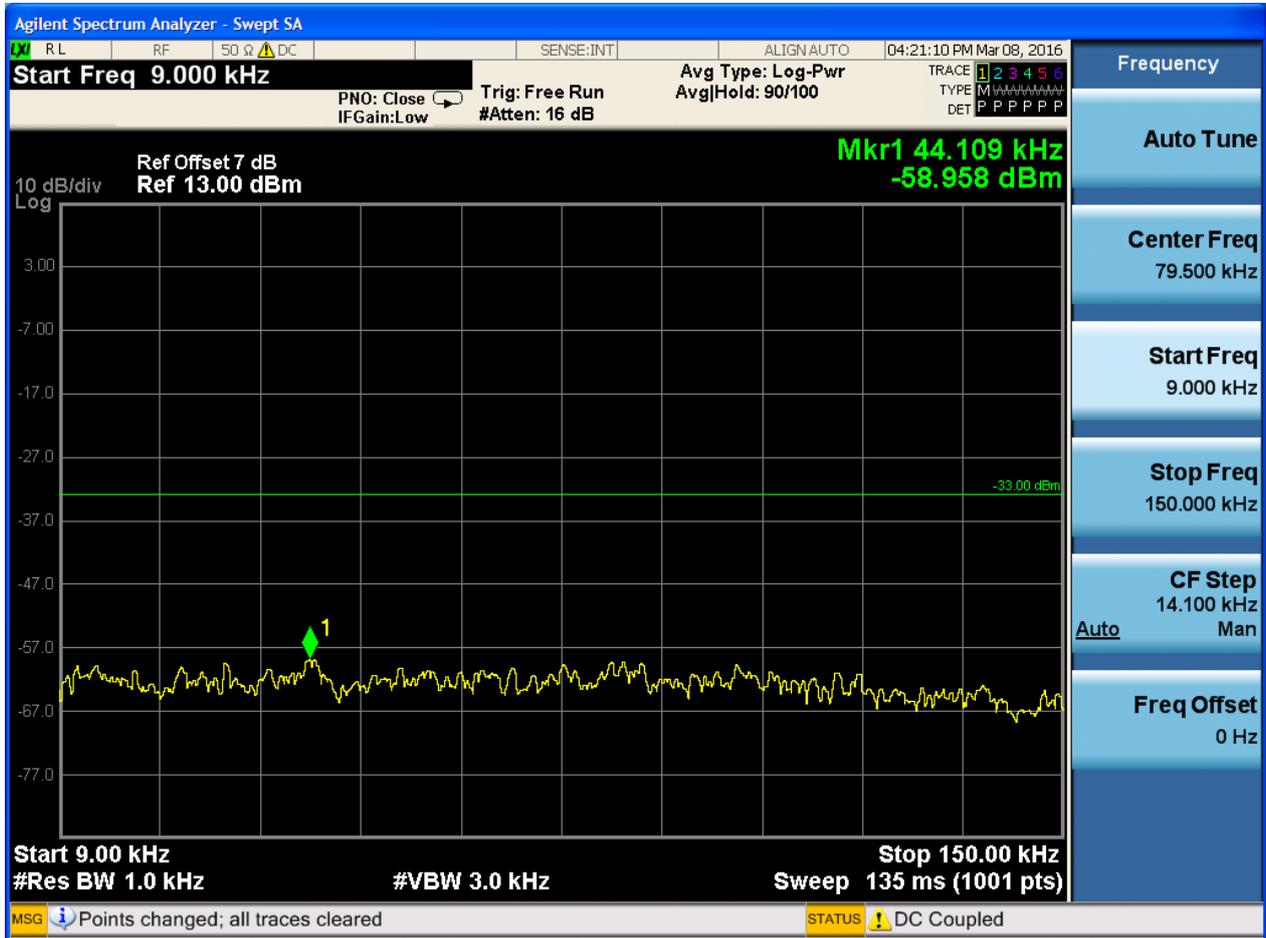


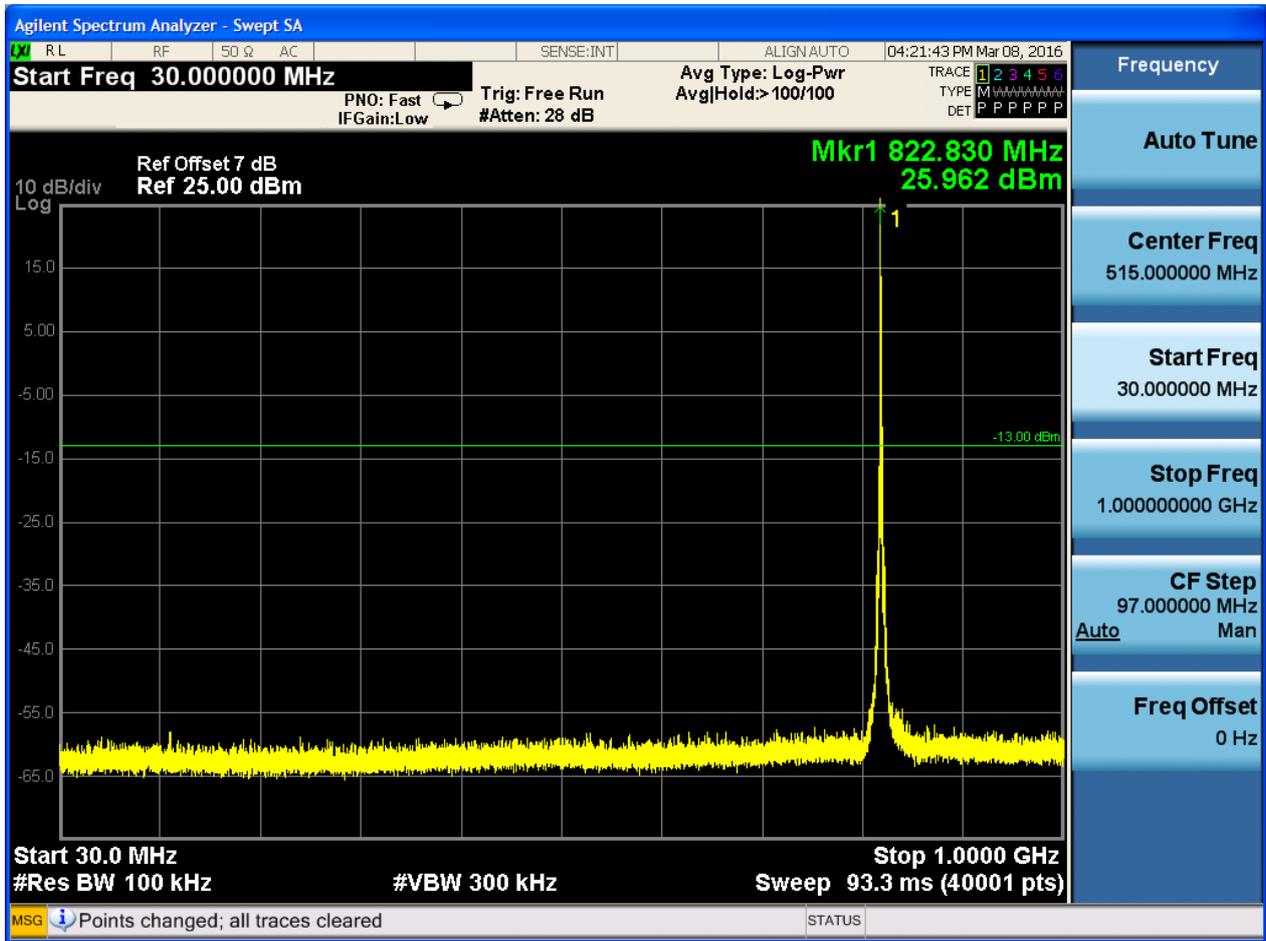


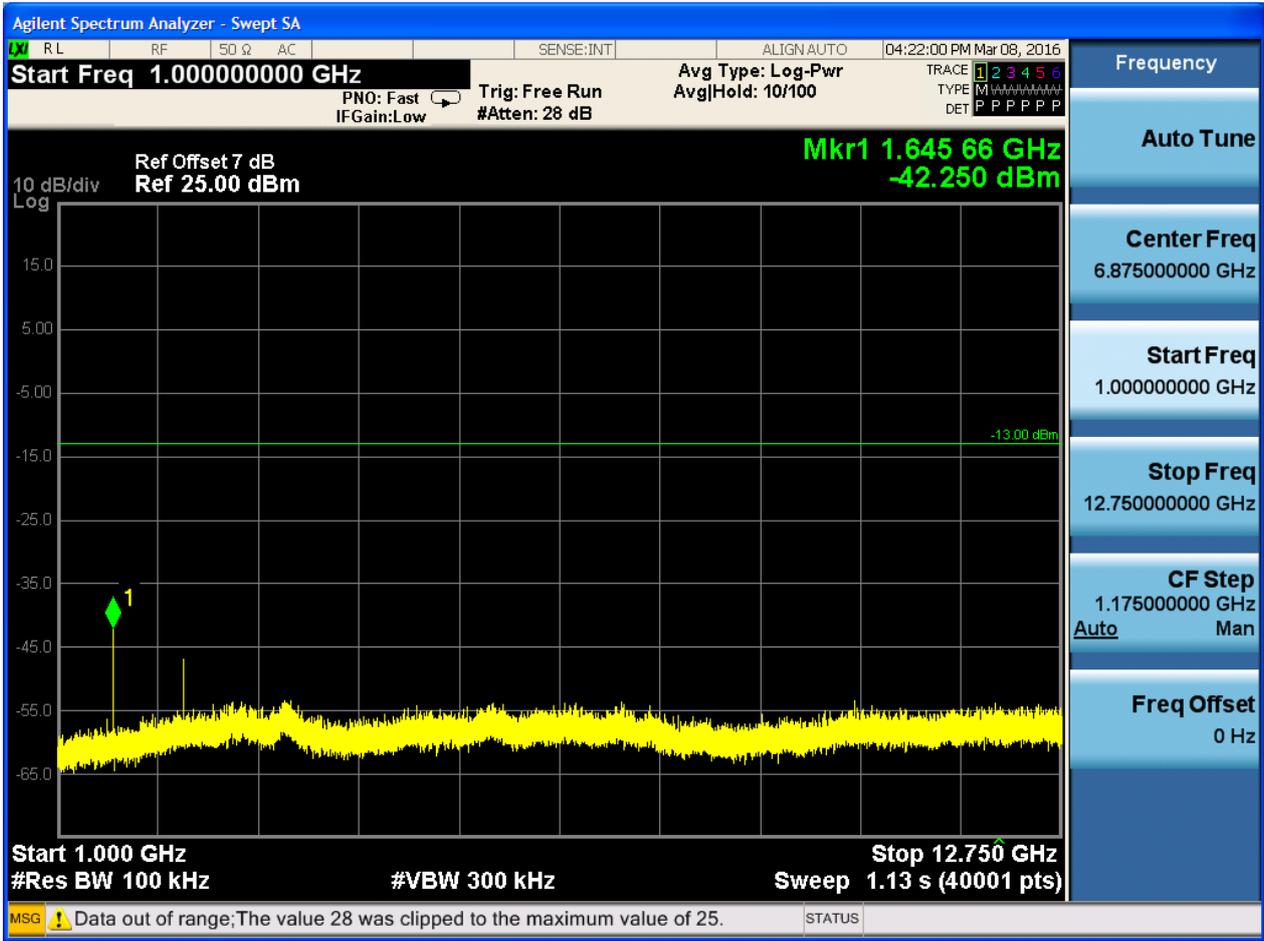


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





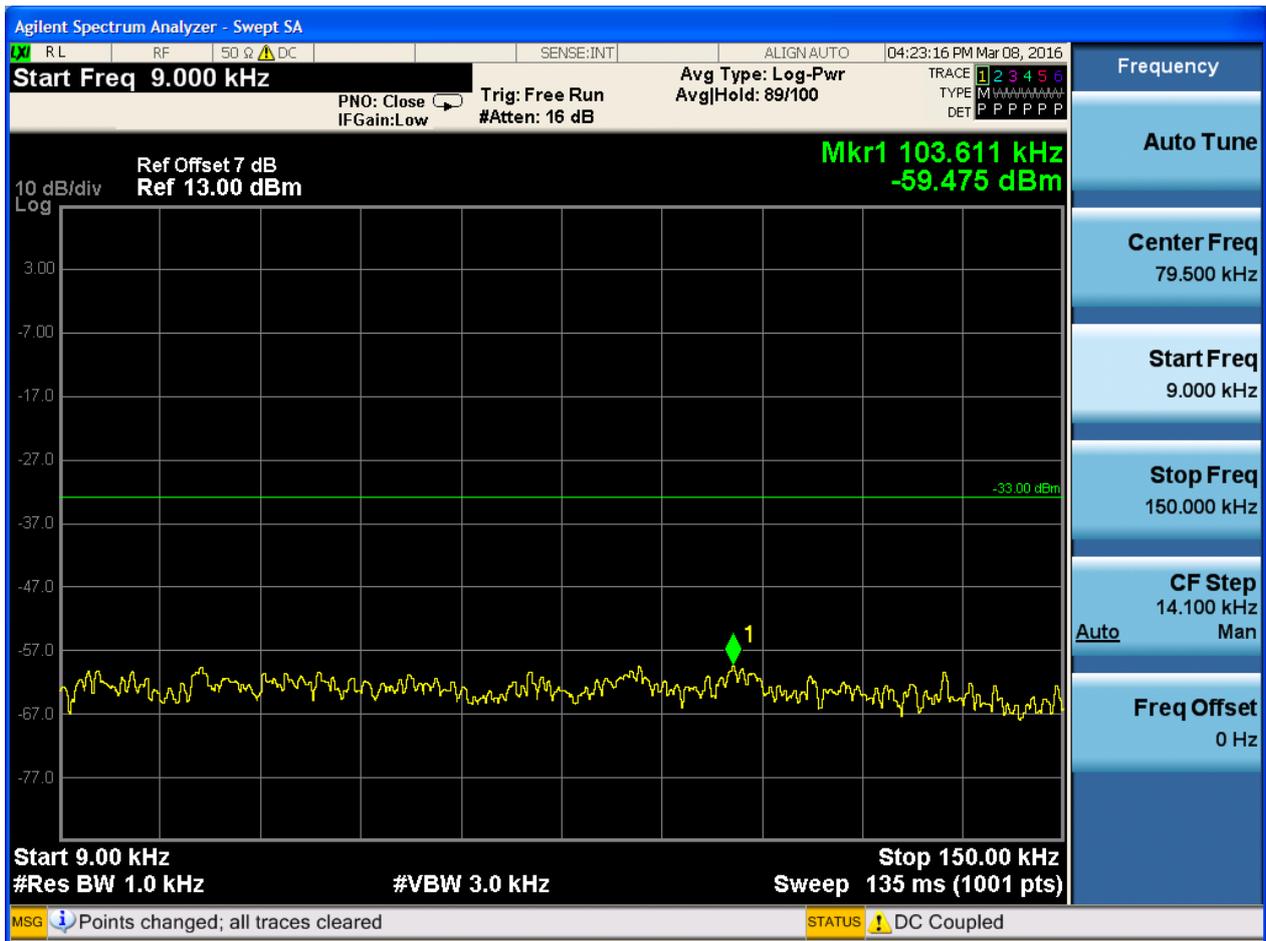


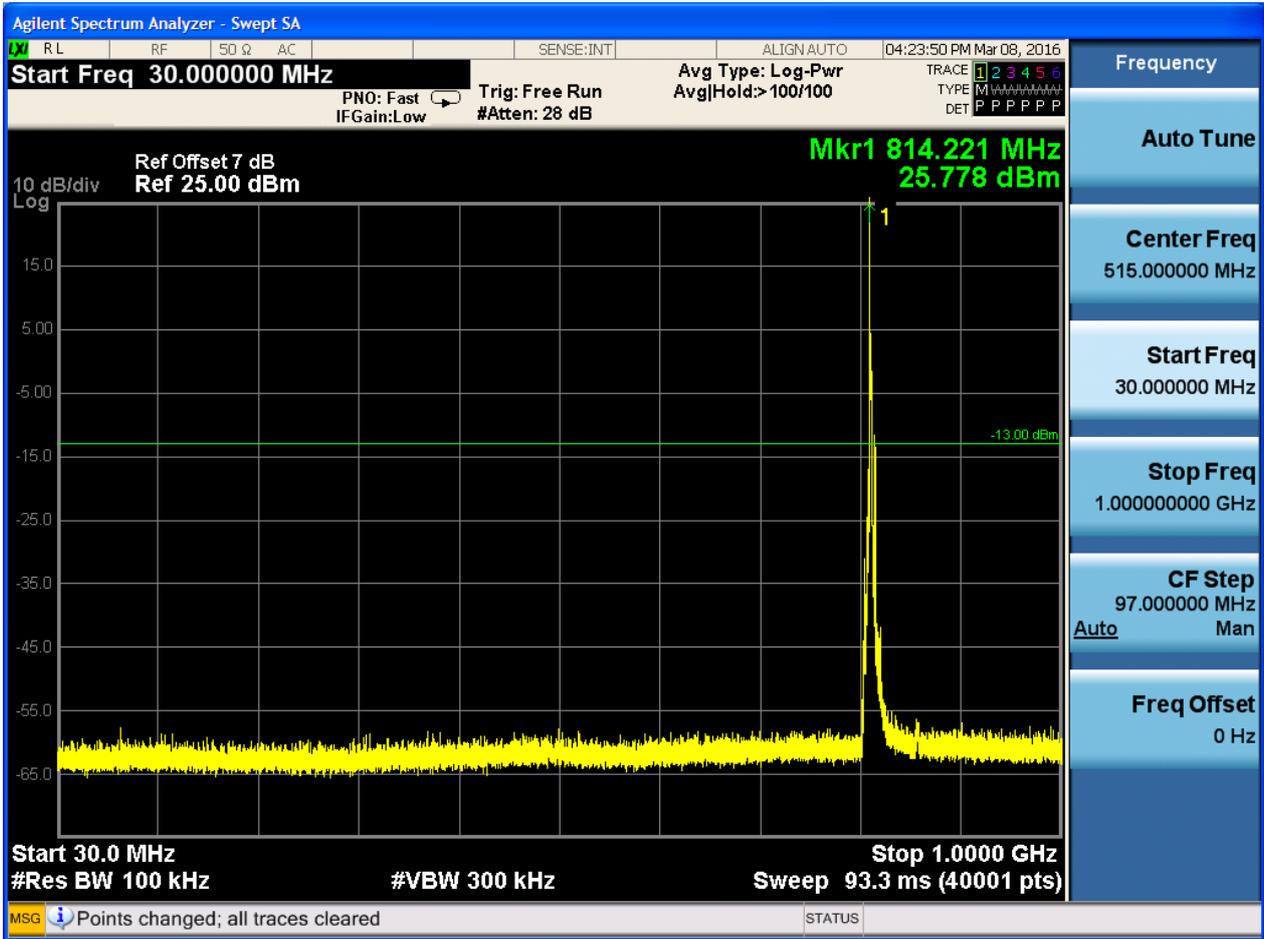


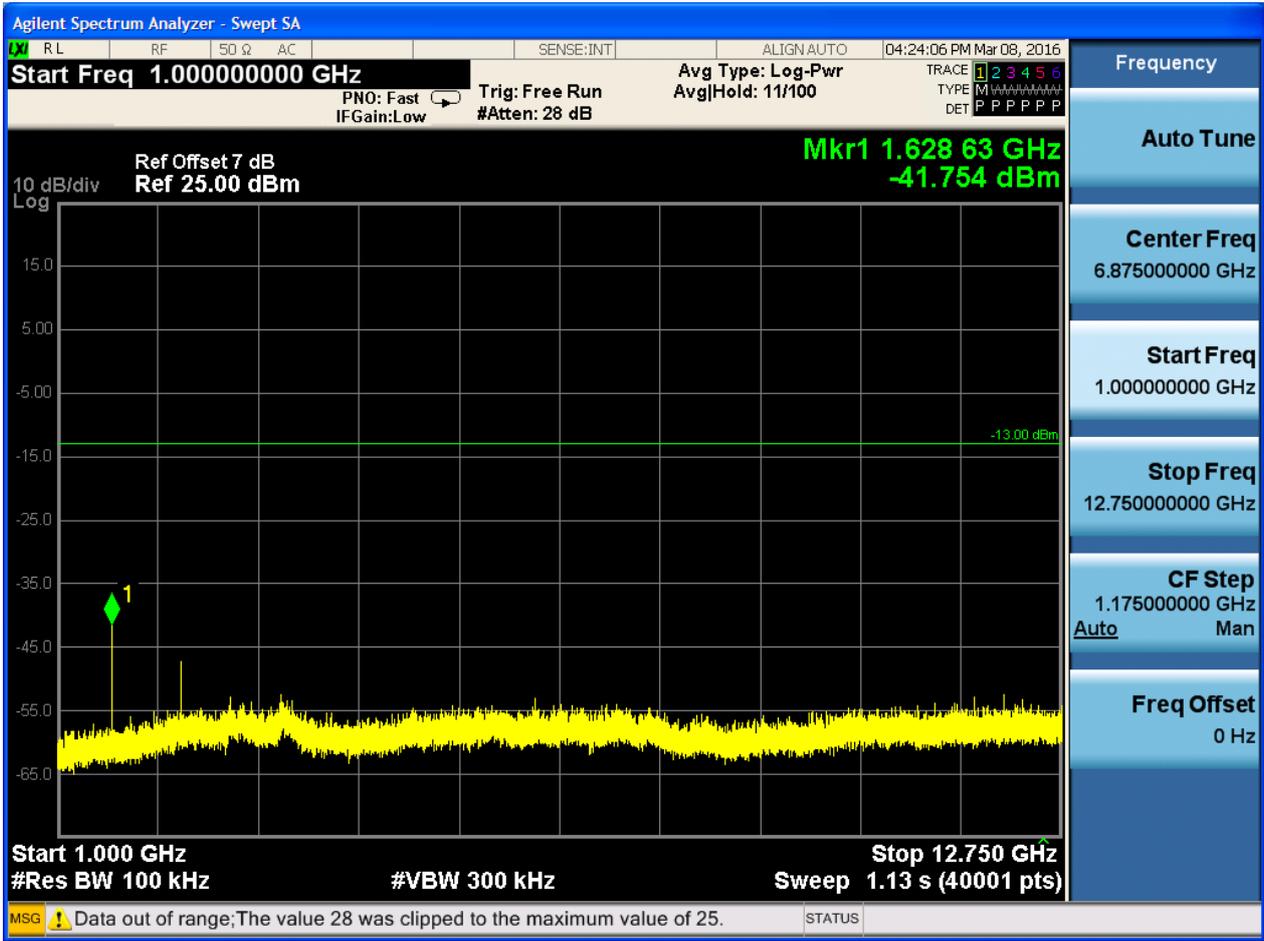
6.1.1.2.2 Test Bandwidth = 3

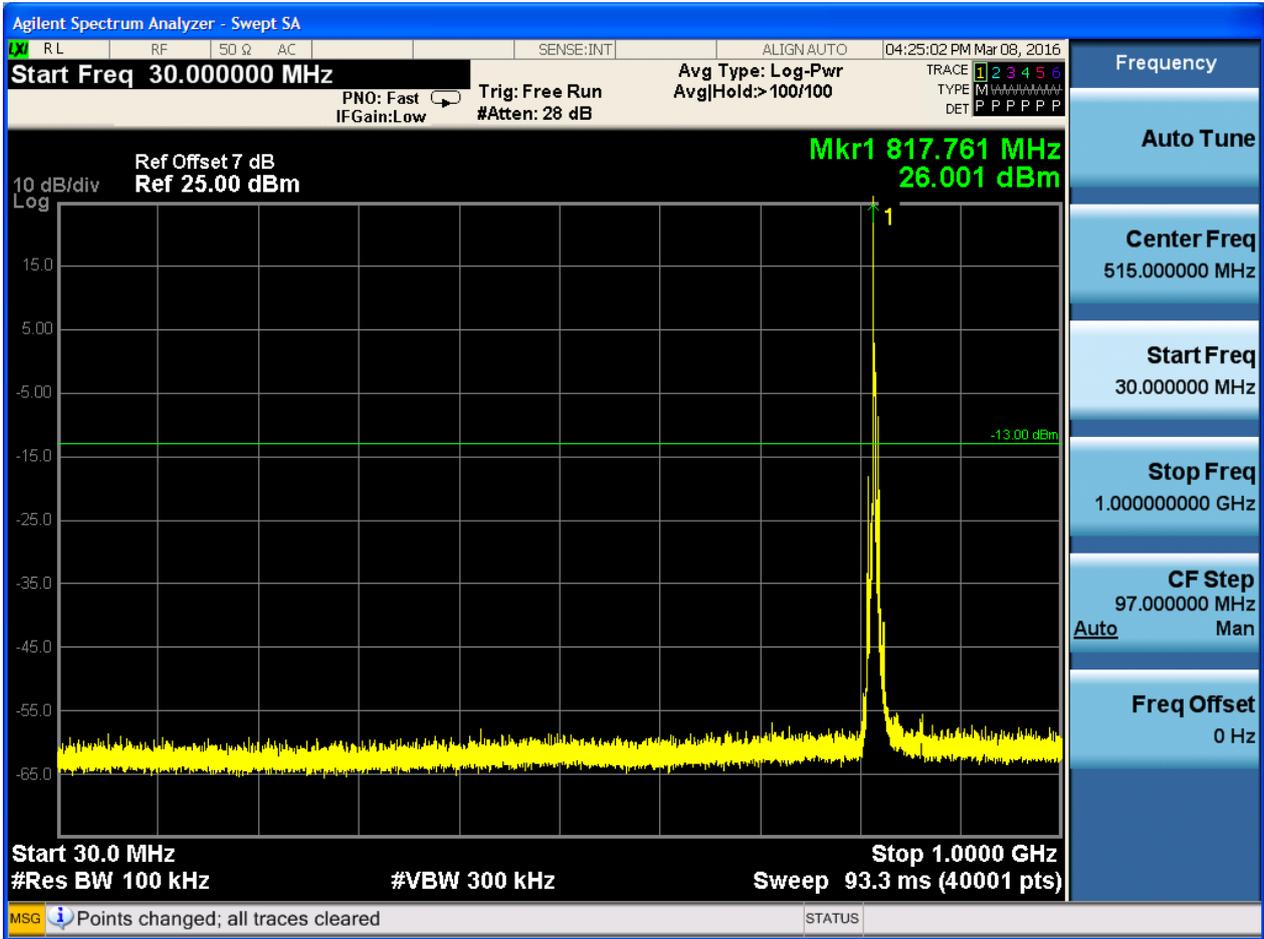
6.1.1.2.2.1 Test Channel = LCH

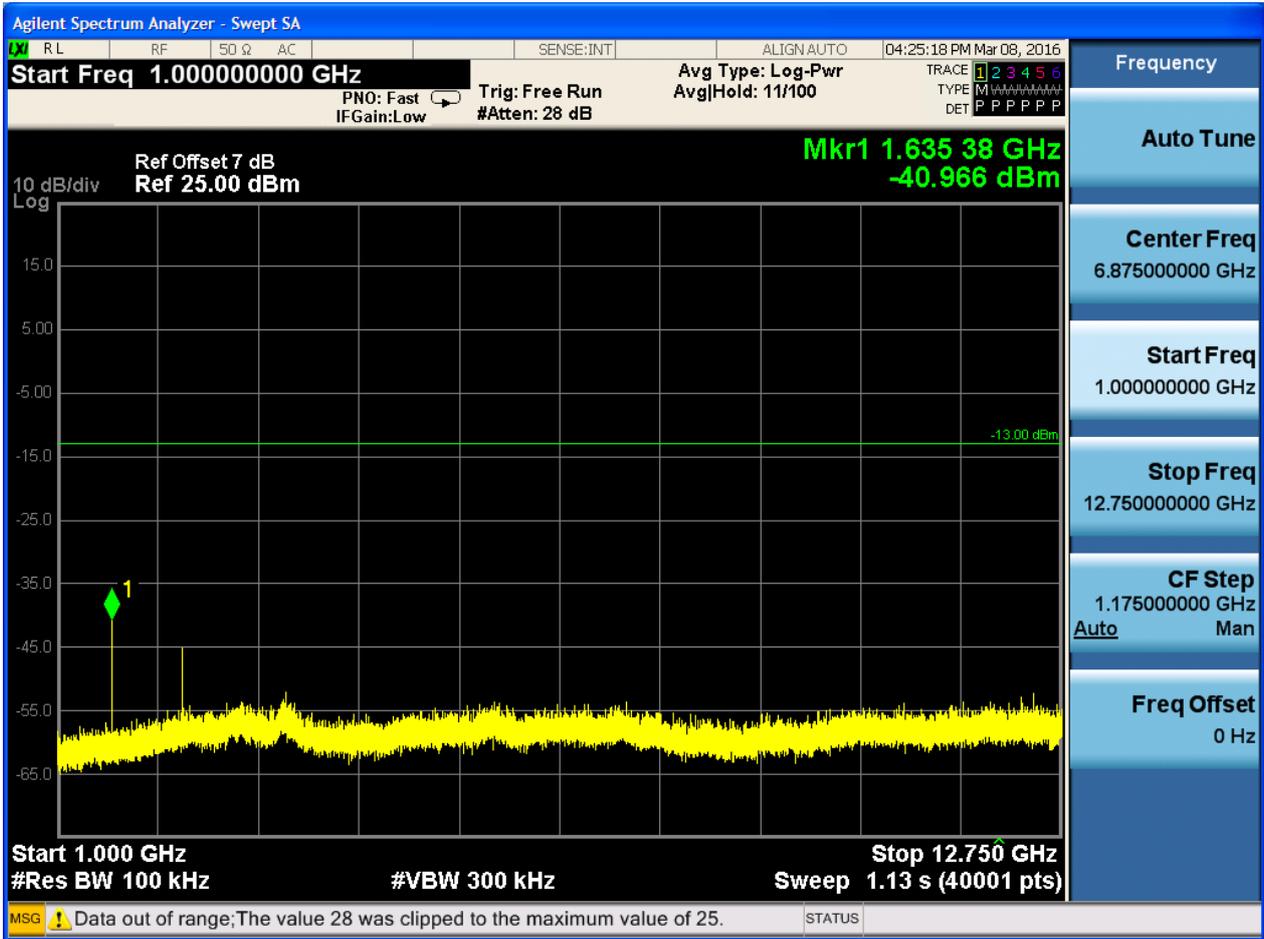
6.1.1.2.2.1.1 Test RB = RB1#0







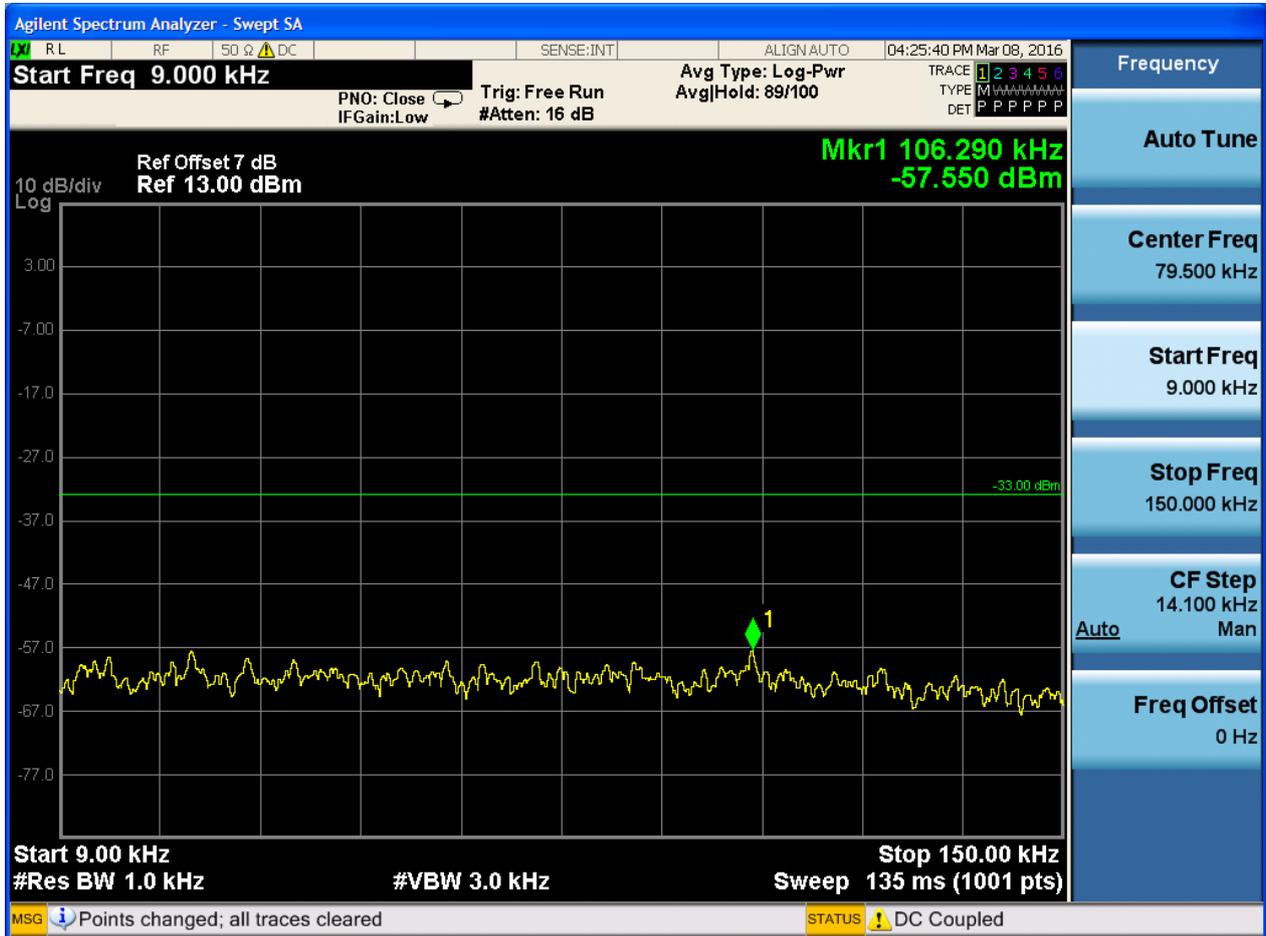


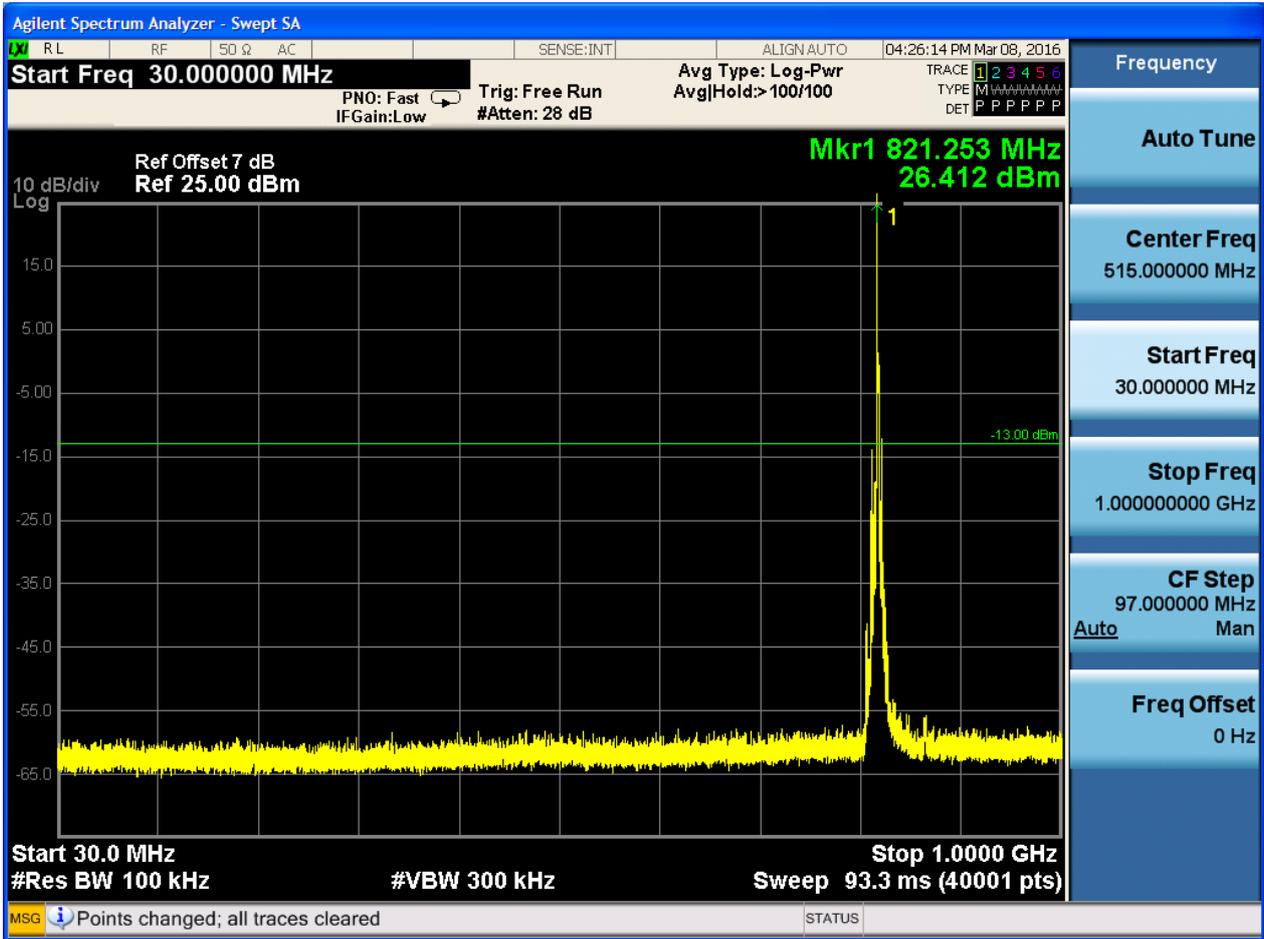


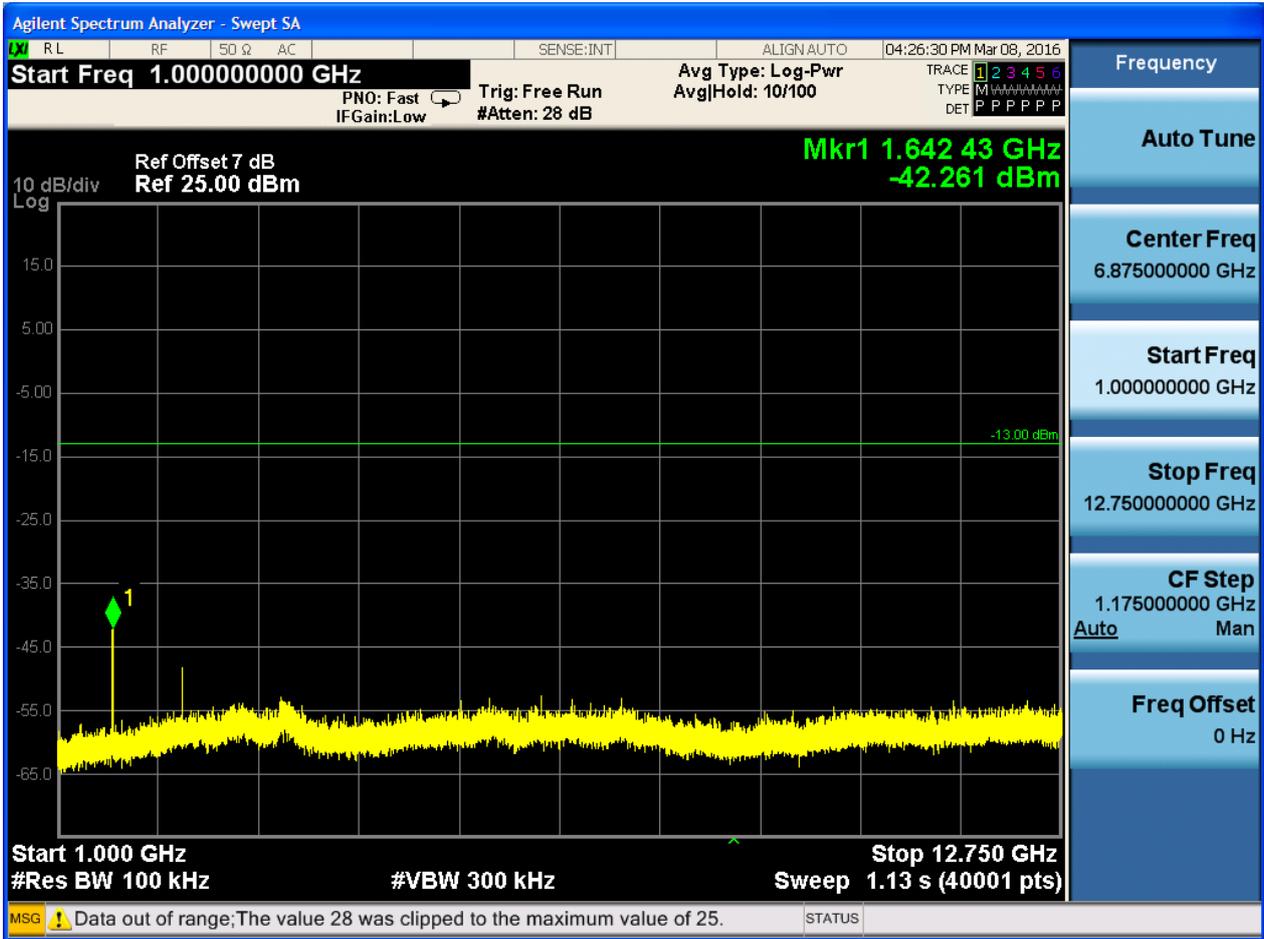


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





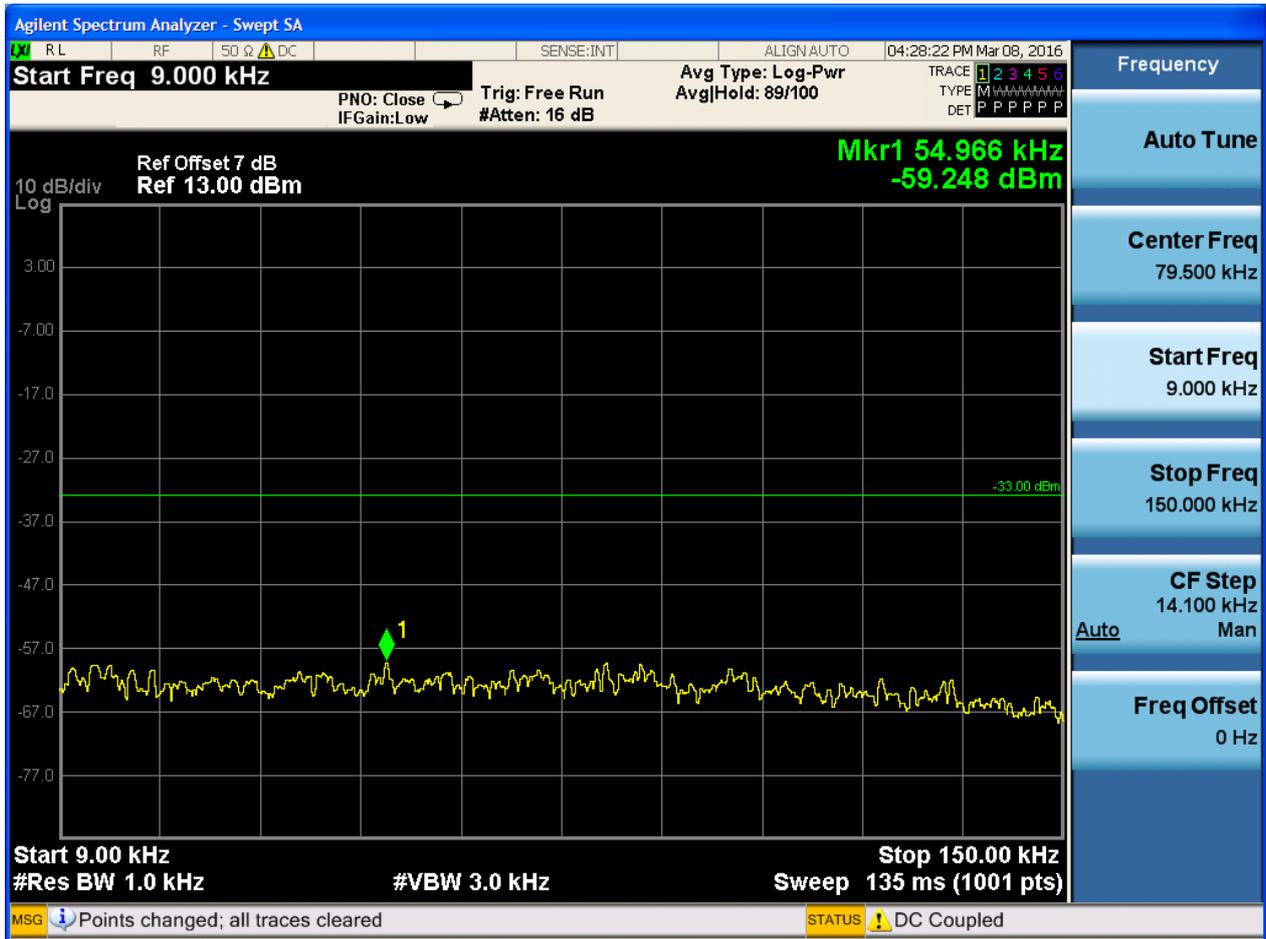


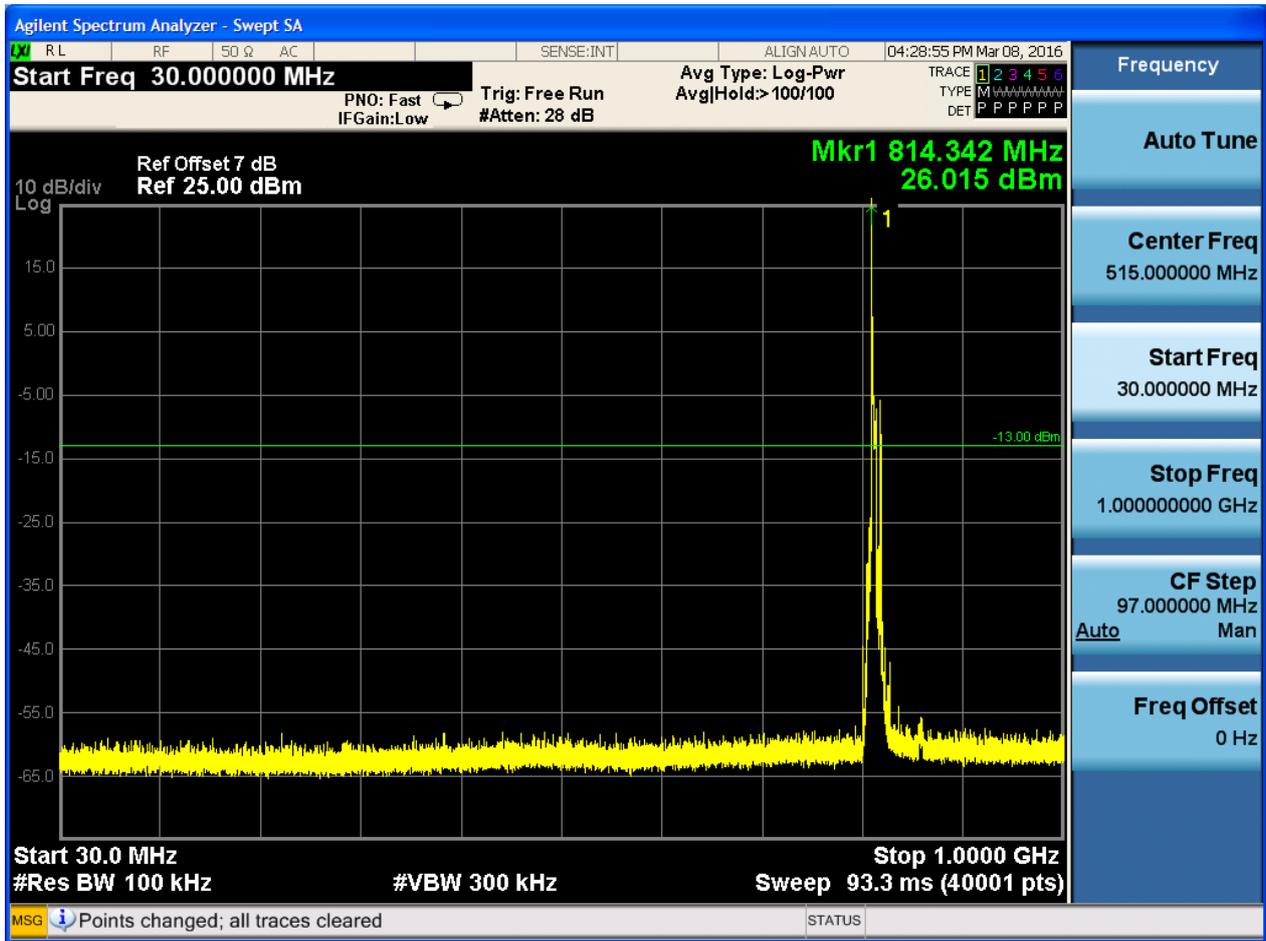


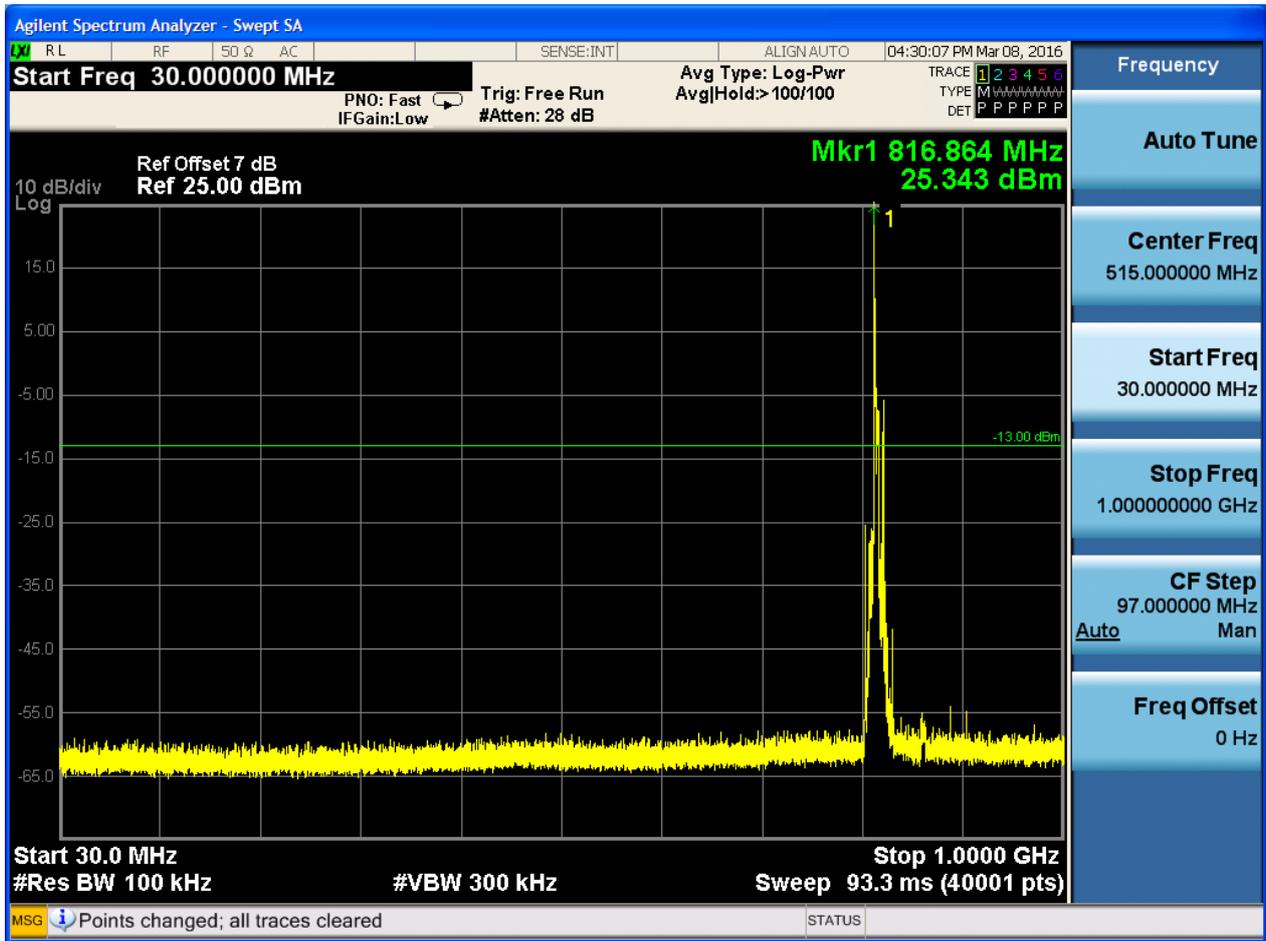
6.1.1.2.3 Test Bandwidth = 5

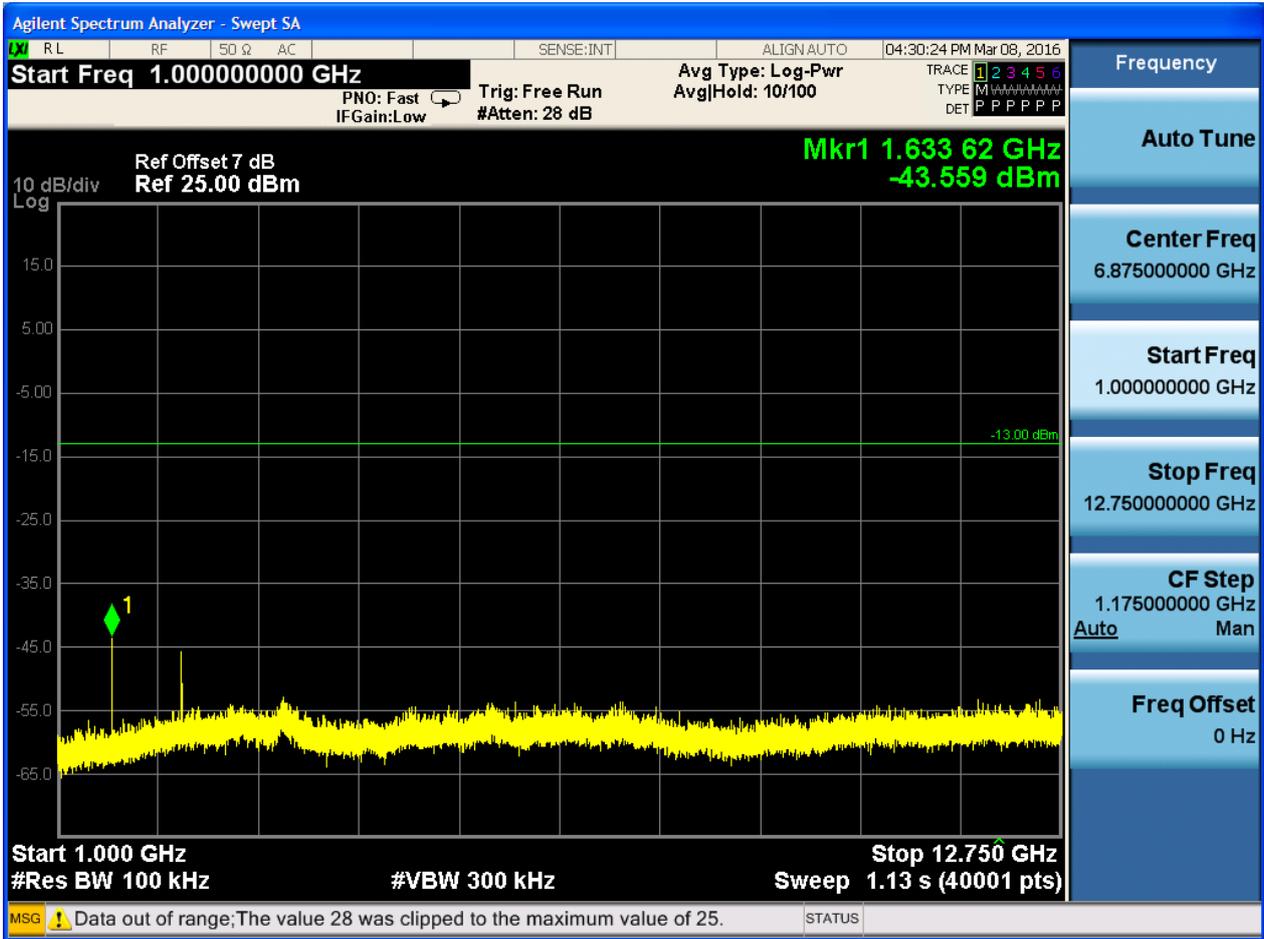
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





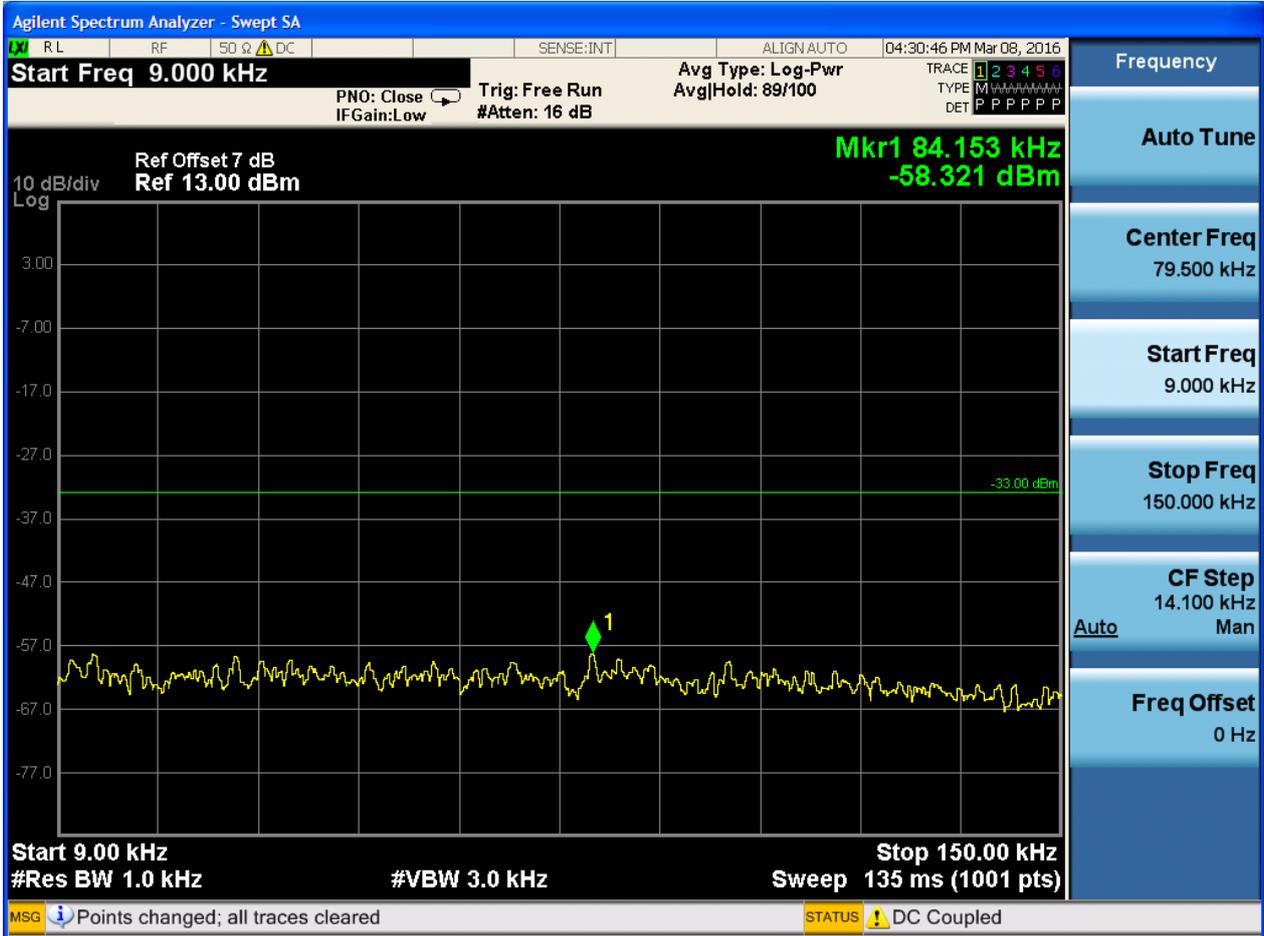


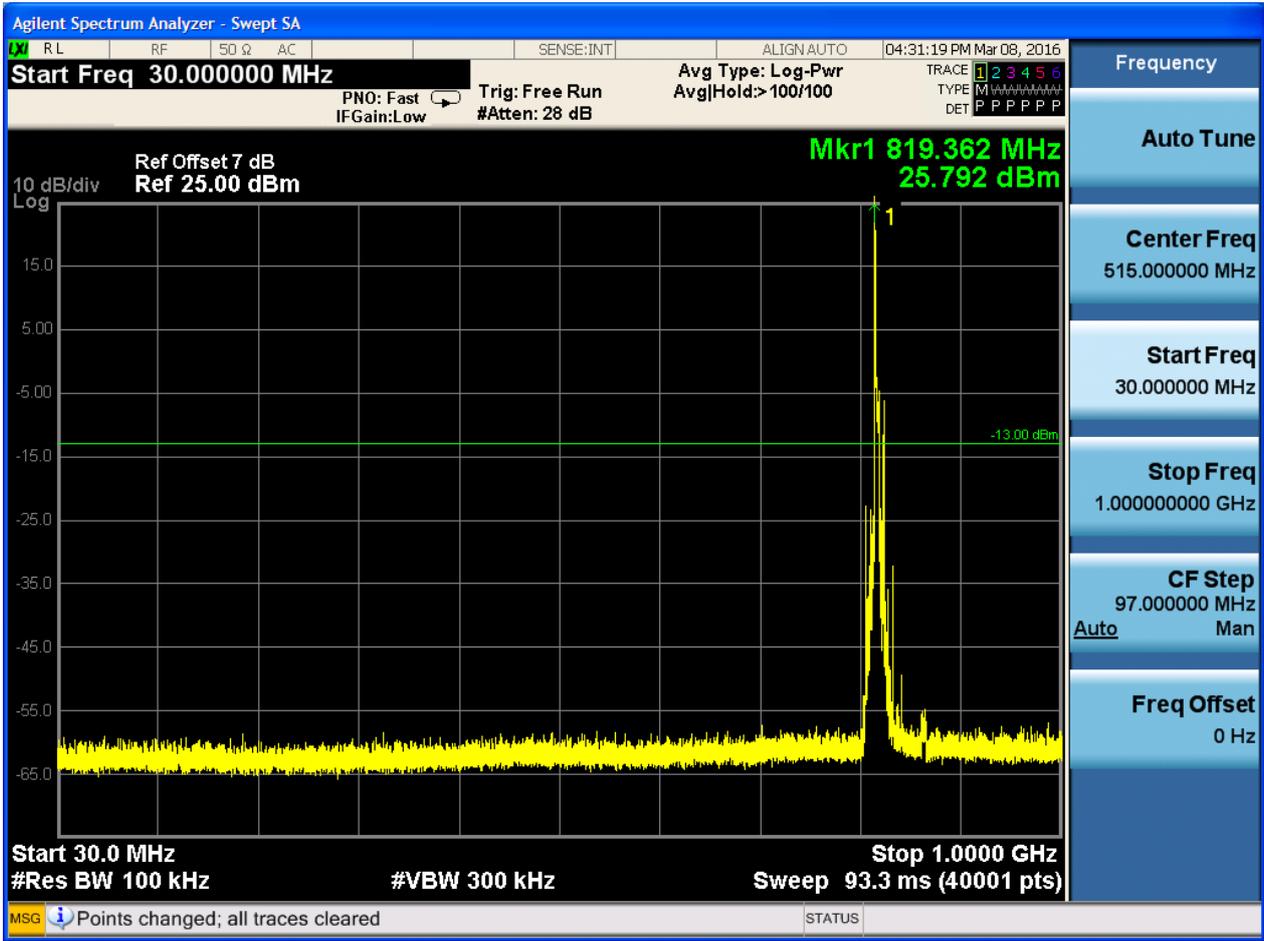


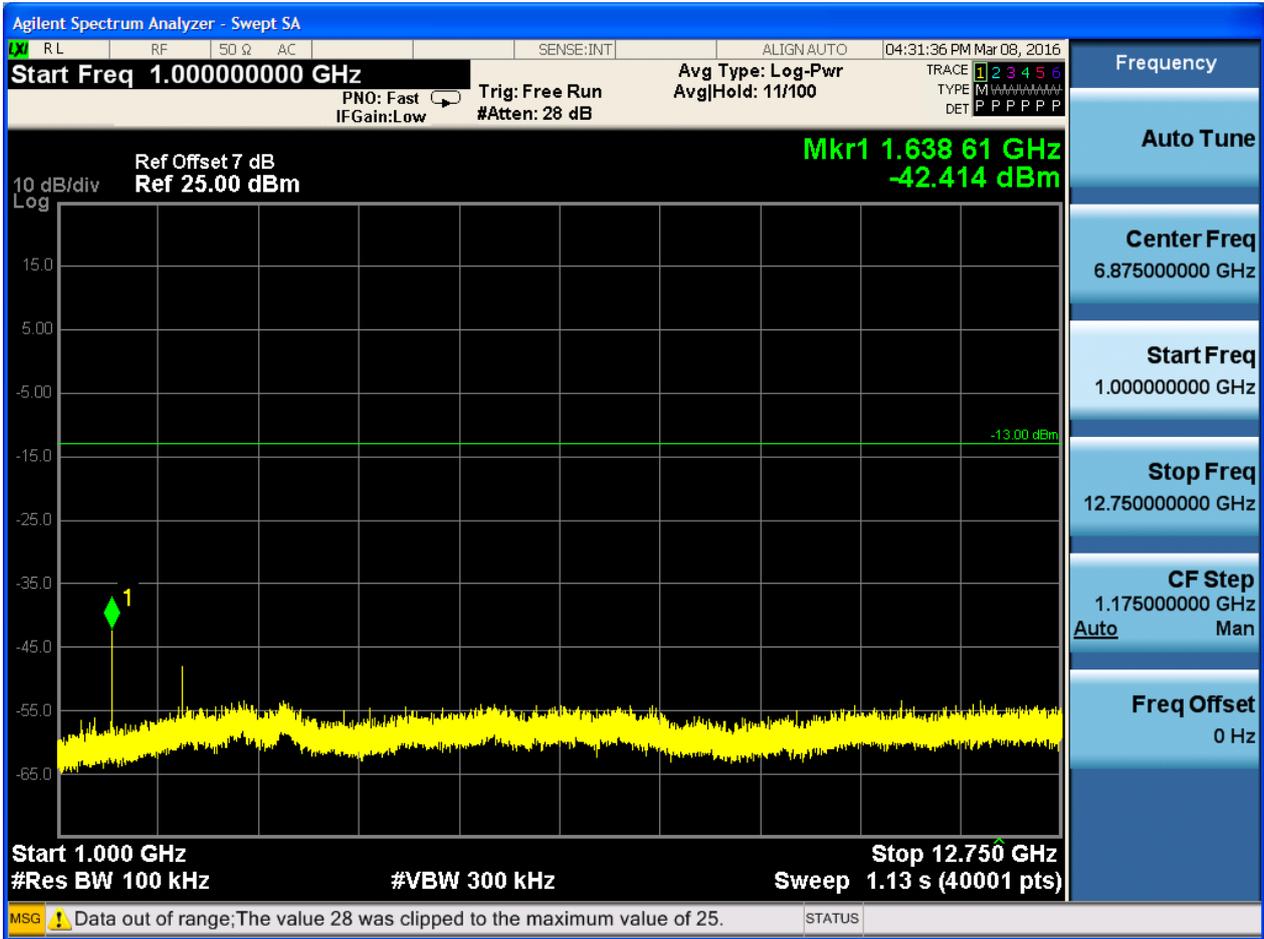


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





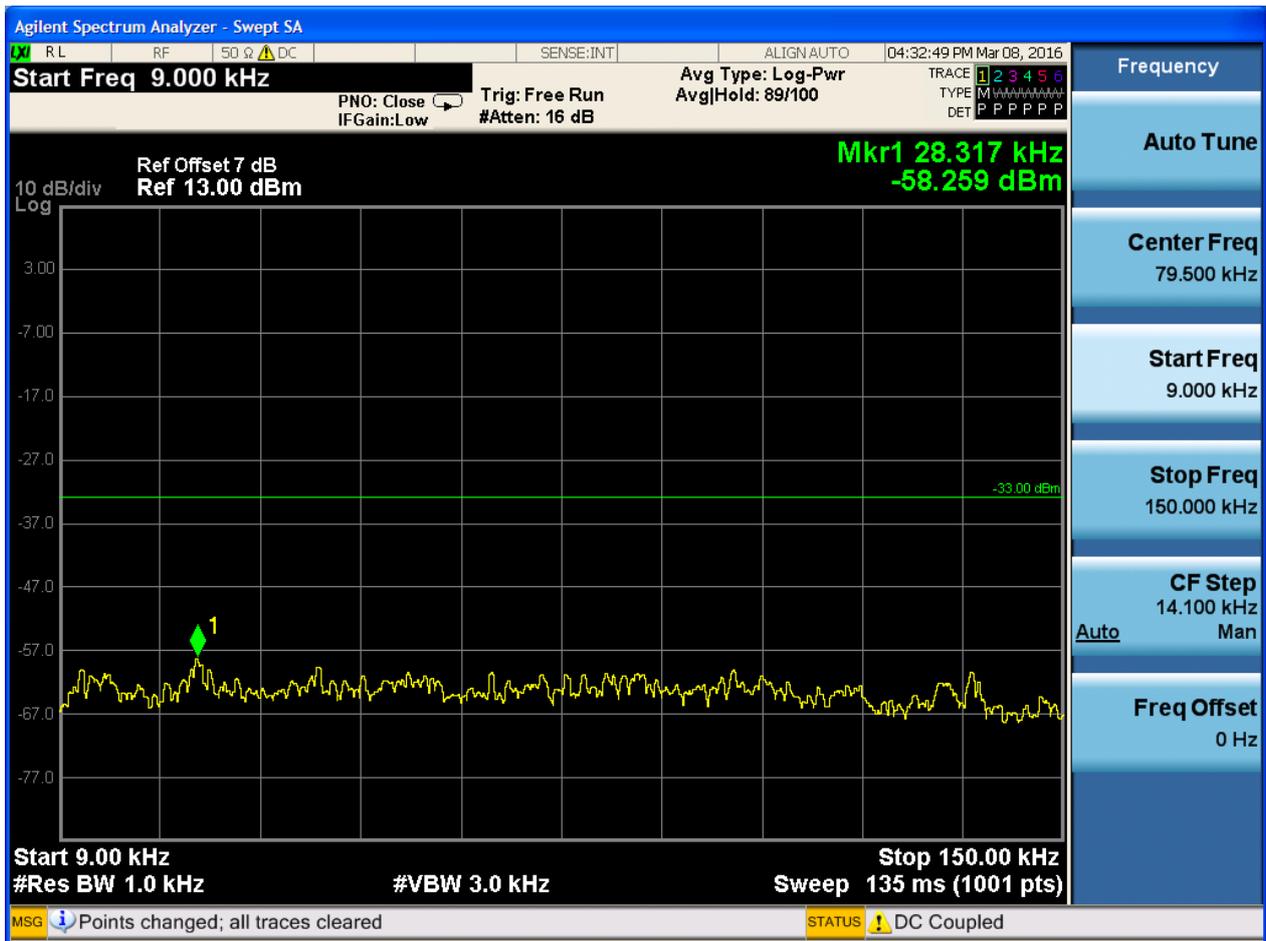


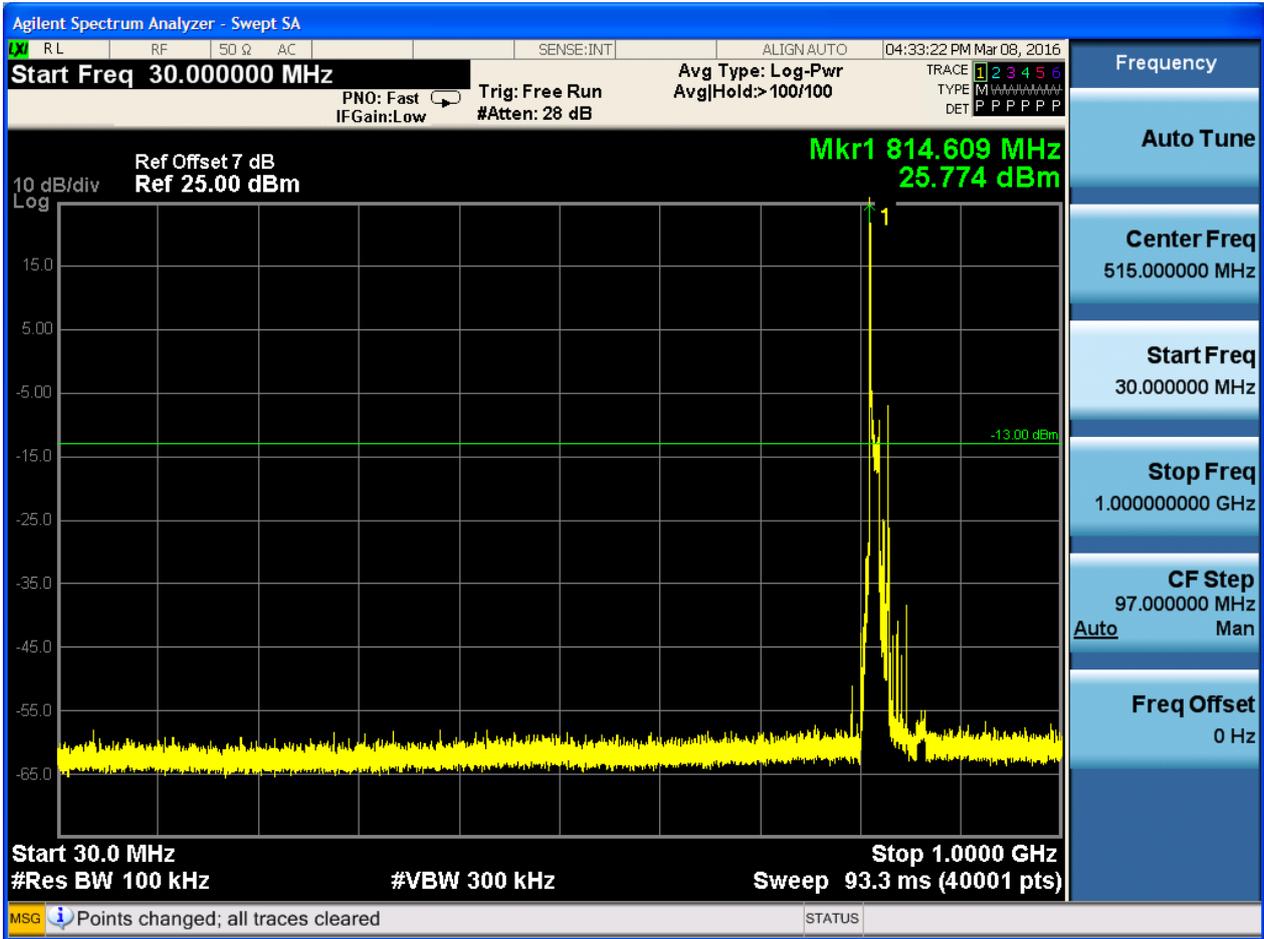


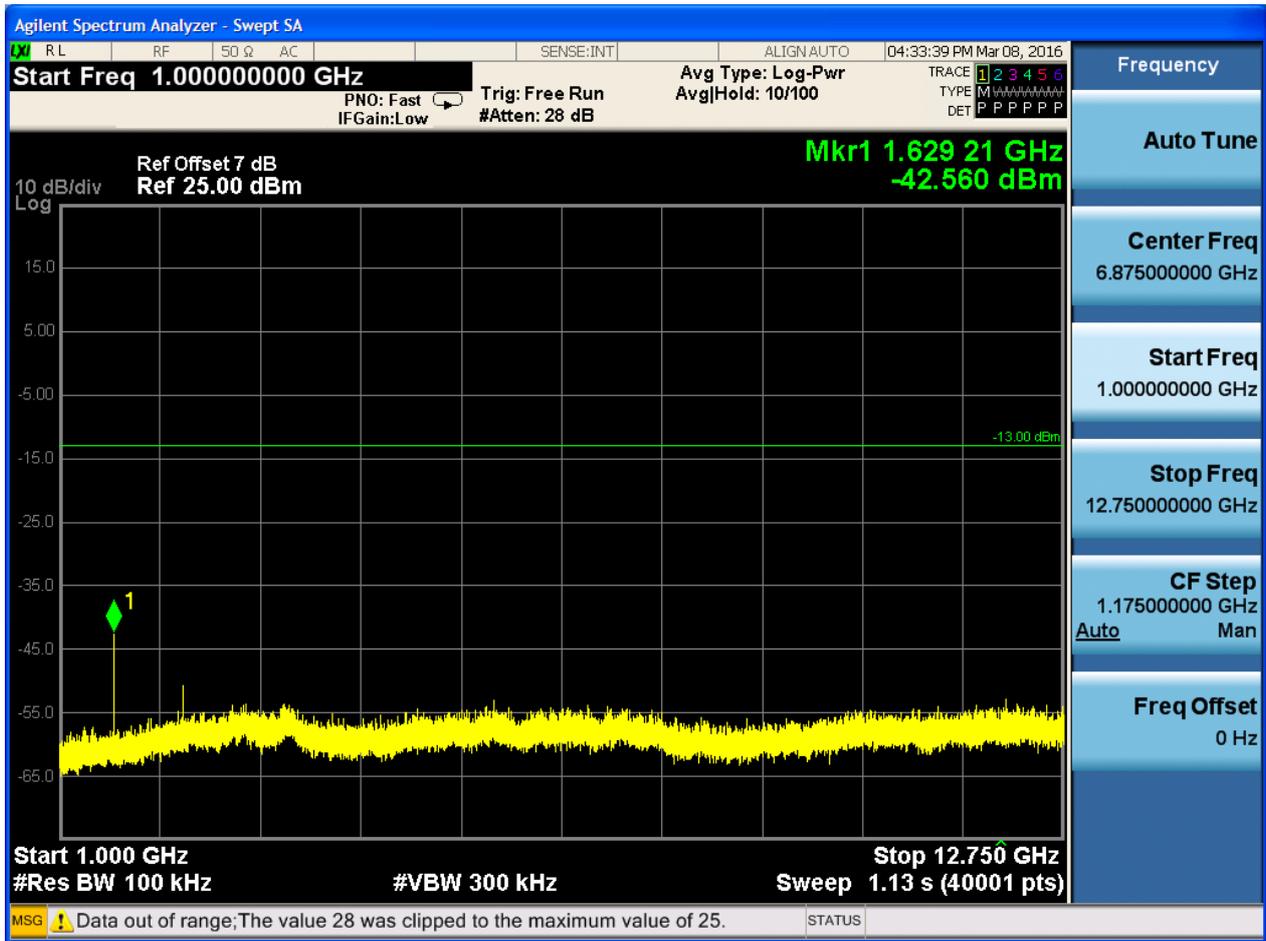
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH/MCH/HCH

6.1.1.2.4.1.1 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

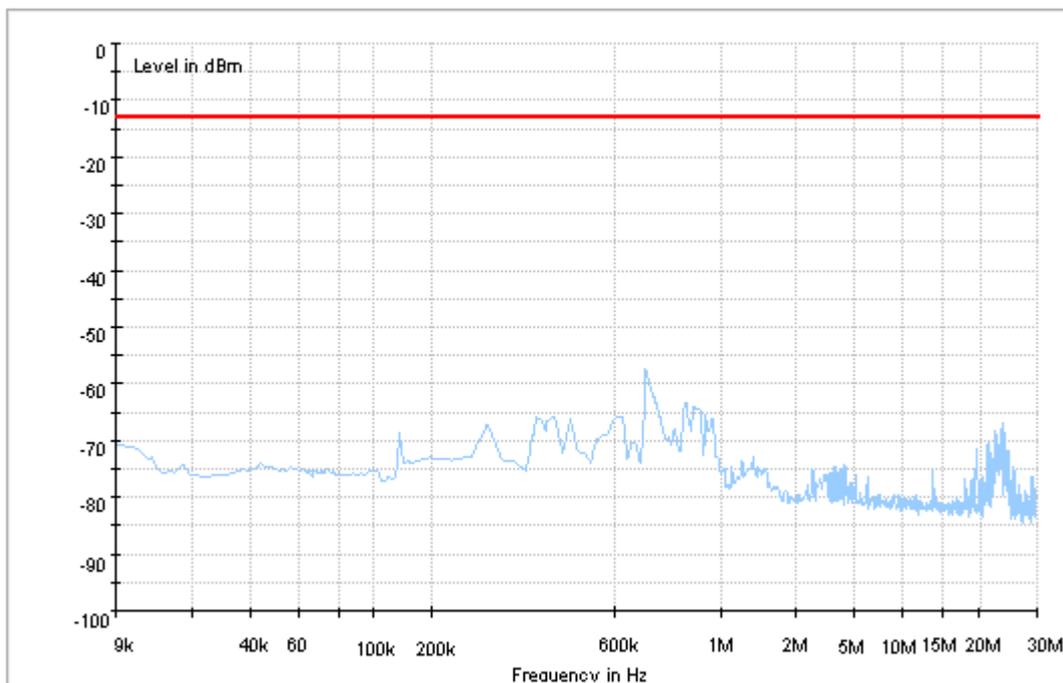
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

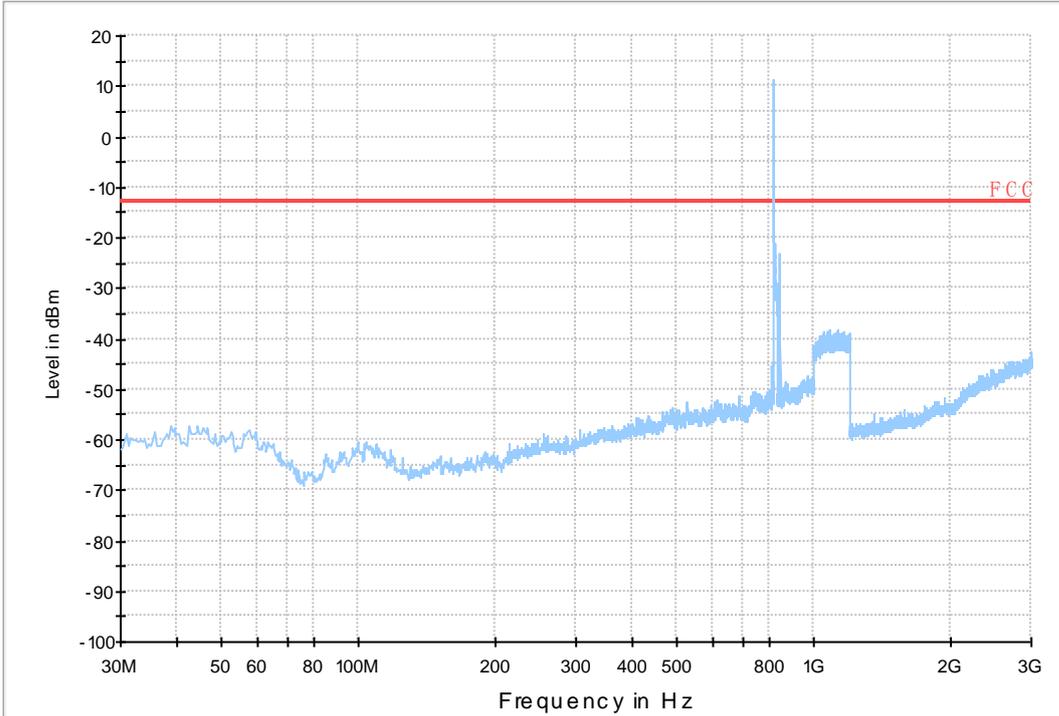
7.1 For LTE

7.1.1 Test Band = BAND26

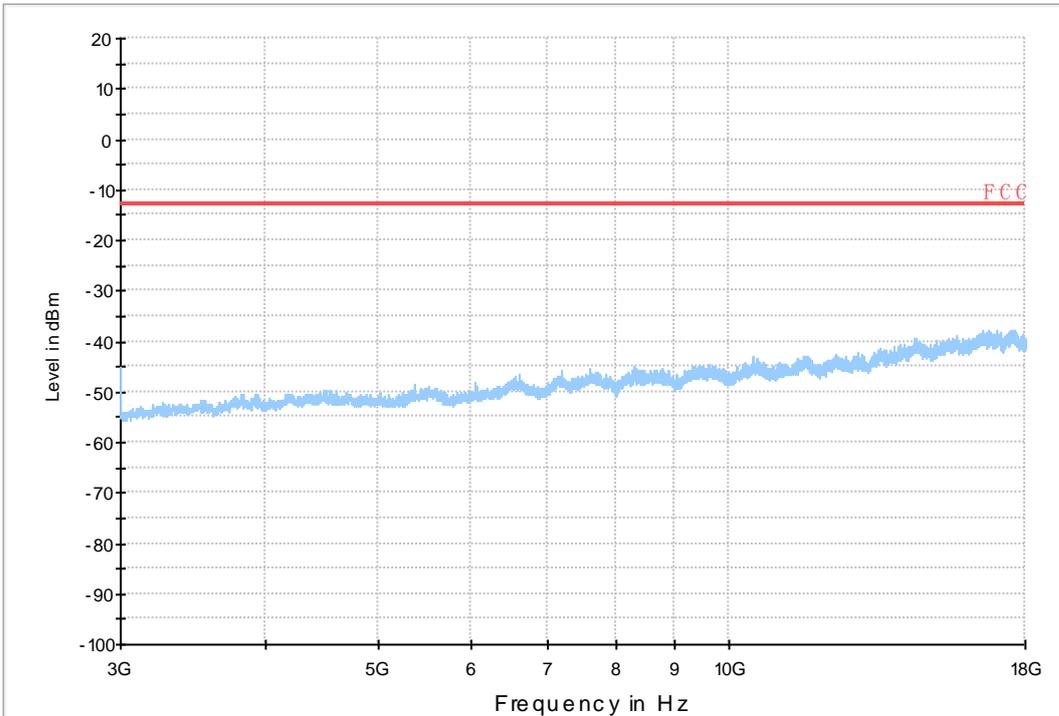
7.1.1.1 Test Bandwidth = 1.4



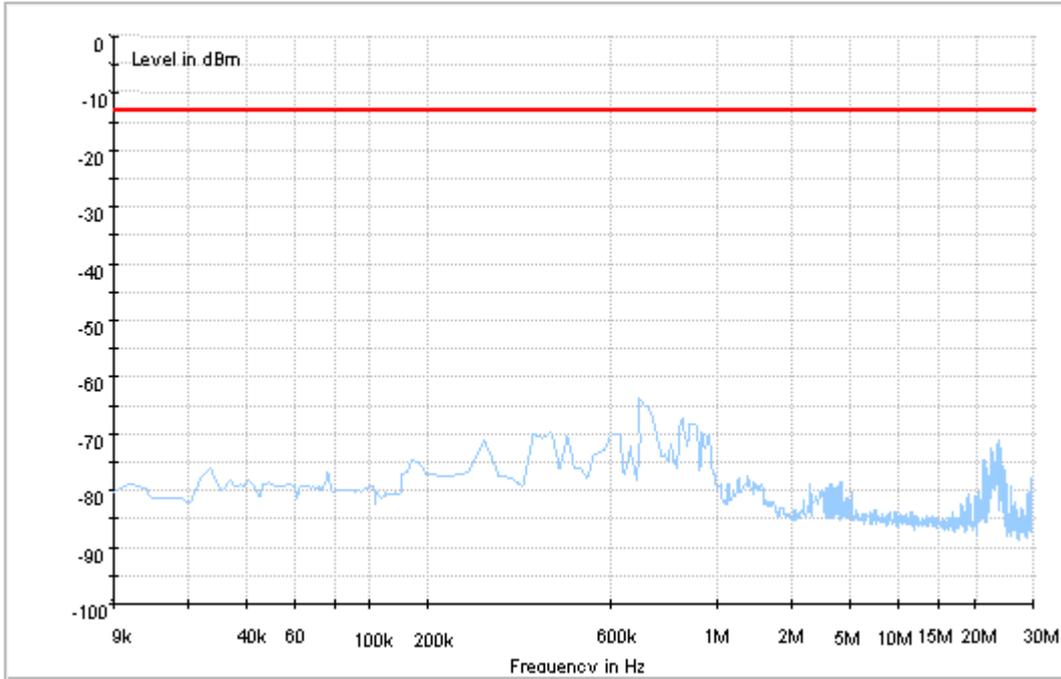
Copy of RSE-TX-DIRECTOR BELOW 1G_L



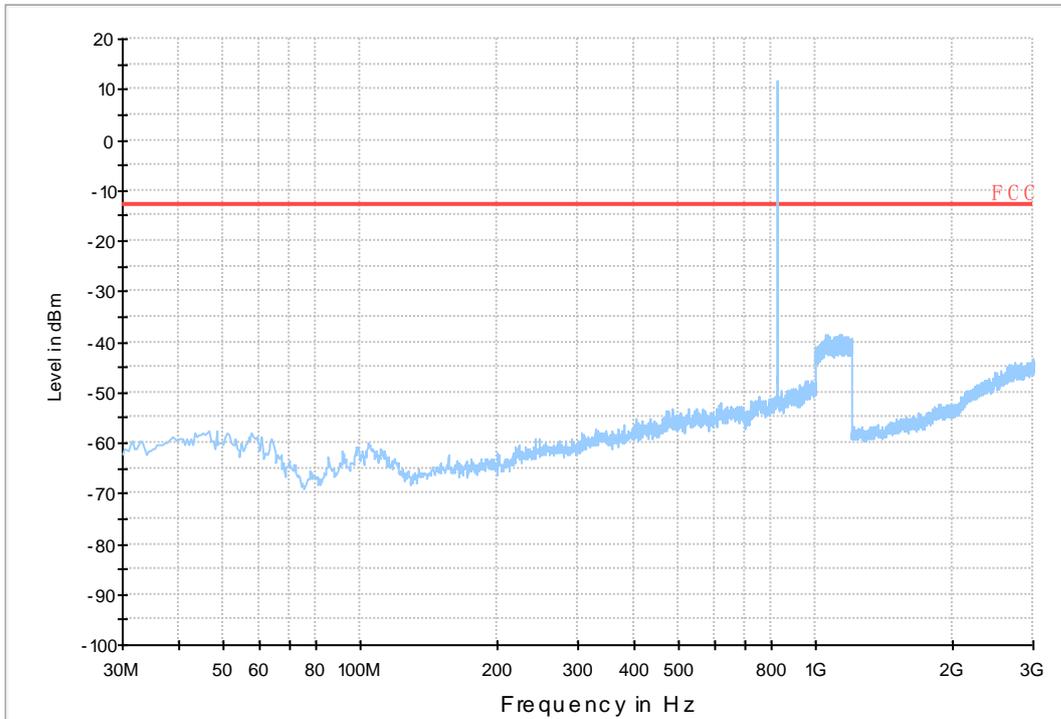
Copy of RSE-TX-DIRECTOR BELOW 1G_H



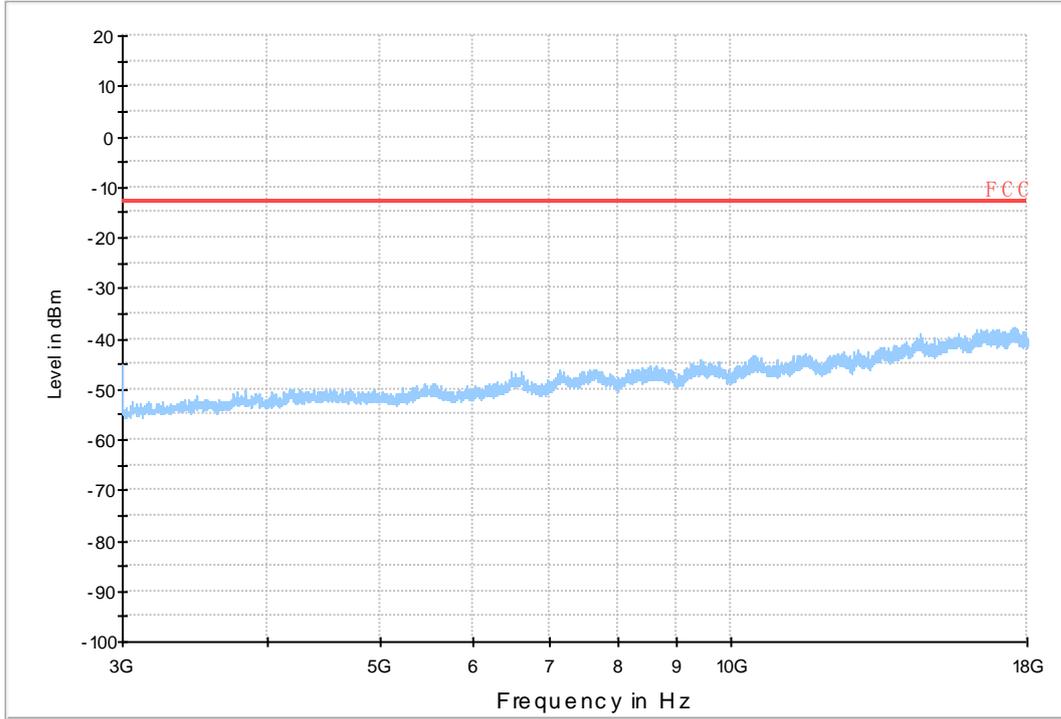
7.1.1.3 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H





8Appendix_H: Frequency Stability

8.1 For LTE
8.1.1 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	-0.17	-0.00021	PASS
					VN	0.92	0.00113	PASS
					VH	-3.1	-0.00381	PASS
			MCH	TN	VL	0.94	0.00115	PASS
					VN	0.69	0.00084	PASS
					VH	0.24	0.00029	PASS
			HCH	TN	VL	0.01	0.00001	PASS
					VN	-0.21	-0.00026	PASS
					VH	-0.33	-0.0004	PASS
		3	LCH	TN	VL	-5.66	-0.00694	PASS
					VN	17.38	0.02131	PASS
					VH	1.29	0.00158	PASS
			MCH	TN	VL	3.48	0.00425	PASS
					VN	2.35	0.00287	PASS
					VH	0.62	0.00076	PASS
			HCH	TN	VL	0.92	0.00112	PASS
					VN	-0.8	-0.00097	PASS
					VH	-1.89	-0.0023	PASS
		5	LCH	TN	VL	5.32	0.00652	PASS
					VN	-4.68	-0.00573	PASS
					VH	-2.12	-0.0026	PASS
			MCH	TN	VL	-1.73	-0.00211	PASS
					VN	-0.56	-0.00068	PASS
					VH	1.04	0.00127	PASS
	HCH		TN	VL	-0.6	-0.00073	PASS	
				VN	5.08	0.00618	PASS	
				VH	-3.15	-0.00383	PASS	
	10	LCH/MCH /HCH	TN	VL	8.85	0.01081	PASS	
				VN	5.11	0.00624	PASS	
				VH	2.9	0.00354	PASS	
LTE/TM2	1.4	LCH	TN	VL	0.23	0.00028	PASS	
				VN	3.32	0.00408	PASS	
				VH	-4.01	-0.00492	PASS	
		MCH	TN	VL	0.3	0.00037	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	0.33	0.0004	PASS
					VH	1.04	0.00127	PASS
					VL	1.19	0.00145	PASS
					VN	0.94	0.00114	PASS
					VH	1.27	0.00154	PASS
					VN	0.94	0.00114	PASS
		3	LCH	TN	VL	2.73	0.00335	PASS
					VN	-3.55	-0.00435	PASS
					VH	9.2	0.01128	PASS
					VL	3.98	0.00486	PASS
					VN	-1.79	-0.00219	PASS
					VH	-0.06	-0.00007	PASS
			HCH	TN	VL	10.03	0.01219	PASS
					VN	-2.02	-0.00246	PASS
					VH	-1.16	-0.00141	PASS
					VL	1.53	0.00187	PASS
					VN	5.16	0.00632	PASS
					VH	2.5	0.00306	PASS
		5	MCH	TN	VL	0.6	0.00073	PASS
					VN	1.5	0.00183	PASS
					VH	5.85	0.00714	PASS
			HCH	TN	VL	-3.75	-0.00456	PASS
					VN	-0.43	-0.00052	PASS
					VH	3.12	0.0038	PASS
VL	0.43				0.00053	PASS		
VN	1.92				0.00234	PASS		
VH	1				0.00122	PASS		
10	LCH/MCH /HCH	TN	VL	0.43	0.00053	PASS		
			VN	1.92	0.00234	PASS		
			VH	1	0.00122	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	-2.07	-0.00254	PASS
					-20	-0.39	-0.00048	PASS
					-10	-0.93	-0.00114	PASS
					0	-0.29	-0.00036	PASS
					10	4.23	0.00519	PASS
					20	2.36	0.0029	PASS
					30	-3.79	-0.00465	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	1.44	0.00177	PASS	
					50	-1.44	-0.00177	PASS	
			MCH	VN	-30	-0.17	-0.00021	PASS	
					-20	0.13	0.00016	PASS	
					-10	1.2	0.00147	PASS	
					0	-0.11	-0.00013	PASS	
					10	-0.63	-0.00077	PASS	
					20	0.01	0.00001	PASS	
					30	0.04	0.00005	PASS	
					40	0.43	0.00053	PASS	
					50	-0.1	-0.00012	PASS	
					HCH	VN	-30	0.03	0.00004
			-20	-0.19			-0.00023	PASS	
			-10	-0.21			-0.00026	PASS	
			0	0.19			0.00023	PASS	
			10	0.23			0.00028	PASS	
			20	-0.29			-0.00035	PASS	
			30	0.59			0.00072	PASS	
		40	0.27	0.00033			PASS		
		3		LCH	VN	-30	-1.97	-0.00242	PASS
						-20	-6.74	-0.00826	PASS
						-10	-5.87	-0.0072	PASS
						0	3.52	0.00432	PASS
						10	2.19	0.00269	PASS
						20	3.46	0.00424	PASS
						30	5.16	0.00633	PASS
						40	6.42	0.00787	PASS
						50	2	0.00245	PASS
				MCH	VN	-30	4.13	0.00504	PASS
						-20	0.29	0.00035	PASS
						-10	1.9	0.00232	PASS
						0	3.78	0.00462	PASS
						10	-2.89	-0.00353	PASS
						20	-7.3	-0.00891	PASS
						30	-1.89	-0.00231	PASS
						40	3.76	0.00459	PASS
50	7.65					0.00934	PASS		
HCH	VN	-30	-2.32	-0.00282	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	2.55	0.0031	PASS
					-10	-4.26	-0.00518	PASS
					0	-2.55	-0.0031	PASS
					10	-5.58	-0.00678	PASS
					20	-4.18	-0.00508	PASS
					30	-3.38	-0.00411	PASS
					40	6.28	0.00764	PASS
					50	1.69	0.00205	PASS
		5	LCH	VN	-30	-1.02	-0.00125	PASS
					-20	-1.93	-0.00236	PASS
					-10	-6.04	-0.0074	PASS
					0	0.37	0.00045	PASS
					10	2.62	0.00321	PASS
					20	0.51	0.00062	PASS
					30	-1.46	-0.00179	PASS
					40	-1.1	-0.00135	PASS
			MCH	VN	-30	0.66	0.00081	PASS
					-20	6.52	0.00796	PASS
					-10	-0.5	-0.00061	PASS
					0	0.84	0.00103	PASS
					10	0.76	0.00093	PASS
					20	-0.24	-0.00029	PASS
					30	-6.17	-0.00753	PASS
					40	-2.43	-0.00297	PASS
			HCH	VN	-30	-5.97	-0.00727	PASS
					-20	-2.46	-0.00299	PASS
					-10	0.69	0.00084	PASS
					0	-2.05	-0.0025	PASS
					10	-4.63	-0.00564	PASS
					20	4.53	0.00551	PASS
					30	-2.75	-0.00335	PASS
					40	-7.14	-0.00869	PASS
		10	LCH/MCH /HCH	VN	-30	6.37	0.00778	PASS
					-20	2	0.00244	PASS
					-10	-0.03	-0.00004	PASS
					0	-1.03	-0.00126	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
					10	4.41	0.00538	PASS				
					20	3.18	0.00388	PASS				
					30	1.66	0.00203	PASS				
					40	2.47	0.00302	PASS				
					50	0.79	0.00096	PASS				
					LTE/TM2	1.4	LCH	VN	-30	0.99	0.00122	PASS
									-20	5.84	0.00717	PASS
									-10	3.45	0.00423	PASS
									0	2.19	0.00269	PASS
									10	2.66	0.00327	PASS
									20	1.26	0.00155	PASS
									30	0.87	0.00107	PASS
									40	2.19	0.00269	PASS
									50	2.07	0.00254	PASS
							MCH	VN	-30	3.13	0.00382	PASS
	-20	2.12	0.00259	PASS								
	-10	2.6	0.00317	PASS								
	0	3.12	0.00381	PASS								
	10	2.27	0.00277	PASS								
	20	1.66	0.00203	PASS								
	30	1.8	0.0022	PASS								
	40	1.97	0.00241	PASS								
	50	0.92	0.00112	PASS								
	HCH	VN	-30	0.74	0.0009	PASS						
			-20	0.37	0.00045	PASS						
			-10	0.66	0.0008	PASS						
			0	0.11	0.00013	PASS						
			10	0.79	0.00096	PASS						
			20	-0.74	-0.0009	PASS						
			30	0.46	0.00056	PASS						
			40	0.51	0.00062	PASS						
			50	0.99	0.0012	PASS						
	3	LCH	VN	-30	3.98	0.00488	PASS					
-20				6.21	0.00761	PASS						
-10				-0.57	-0.0007	PASS						
0				5.78	0.00709	PASS						
10				3.99	0.00489	PASS						
20				1.79	0.00219	PASS						
30				-5.38	-0.0066	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	4.08	0.005	PASS
					50	1.23	0.00151	PASS
			MCH	VN	-30	4.73	0.00578	PASS
					-20	-2.57	-0.00314	PASS
					-10	-2.52	-0.00308	PASS
					0	3.32	0.00405	PASS
					10	2.07	0.00253	PASS
					20	-1.97	-0.00241	PASS
					30	6.37	0.00778	PASS
					40	-3.12	-0.00381	PASS
					50	-6.59	-0.00805	PASS
					HCH	VN	-30	2.99
			-20	-1.97			-0.0024	PASS
			-10	0.89			0.00108	PASS
			0	-0.47			-0.00057	PASS
			10	2.93			0.00356	PASS
			20	3.42			0.00416	PASS
			30	4.32			0.00525	PASS
			40	1.1			0.00134	PASS
			5	LCH	VN	-30	0.27	0.00033
		-20				0.49	0.0006	PASS
		-10				-0.73	-0.00089	PASS
		0				0.8	0.00098	PASS
		10				-4.66	-0.00571	PASS
		20				-1.77	-0.00217	PASS
		30				7.35	0.009	PASS
		40				-2.33	-0.00285	PASS
		50				0.4	0.00049	PASS
		MCH				VN	-30	-3.33
				-20	-3.05		-0.00372	PASS
				-10	2.68		0.00327	PASS
				0	-5.06		-0.00618	PASS
				10	-3.09		-0.00377	PASS
				20	4.15		0.00507	PASS
				30	1.26		0.00154	PASS
				40	0.37		0.00045	PASS
				50	-5.04		-0.00615	PASS
				HCH	VN		-30	-1.14



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-2.23	-0.00271	PASS
					-10	-0.74	-0.0009	PASS
					0	-2.5	-0.00304	PASS
					10	-0.34	-0.00041	PASS
					20	1.76	0.00214	PASS
					30	-0.13	-0.00016	PASS
					40	-1.6	-0.00195	PASS
					50	1.73	0.00211	PASS
		10	LCH/MCH /HCH	VN	-30	-0.2	-0.00024	PASS
					-20	-1.92	-0.00234	PASS
					-10	0.8	0.00098	PASS
					0	-0.89	-0.00109	PASS
					10	-0.6	-0.00073	PASS
					20	-2.39	-0.00292	PASS
					30	-0.5	-0.00061	PASS
					40	-5.97	-0.00729	PASS
					50	-0.33	-0.0004	PASS

END