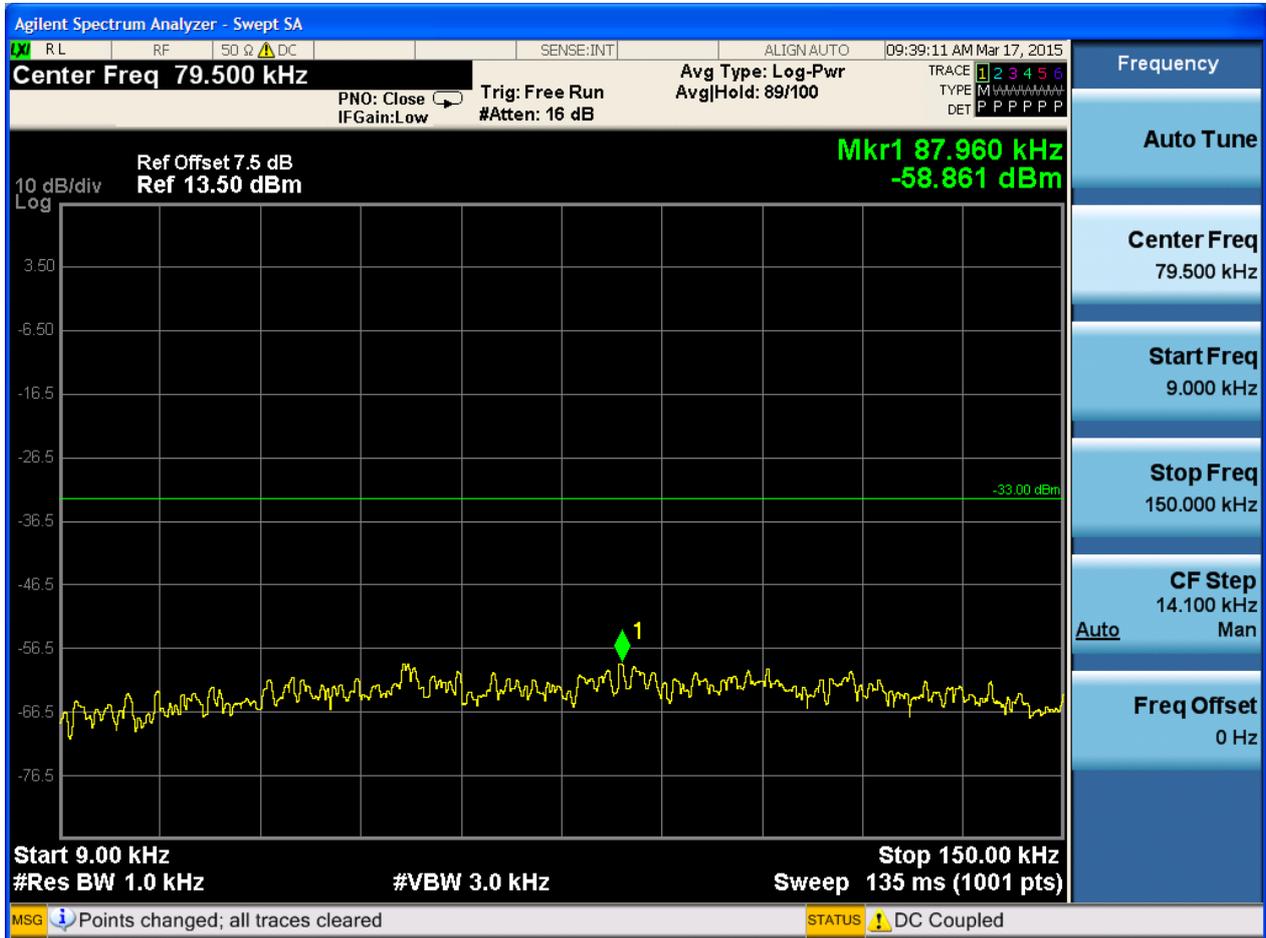


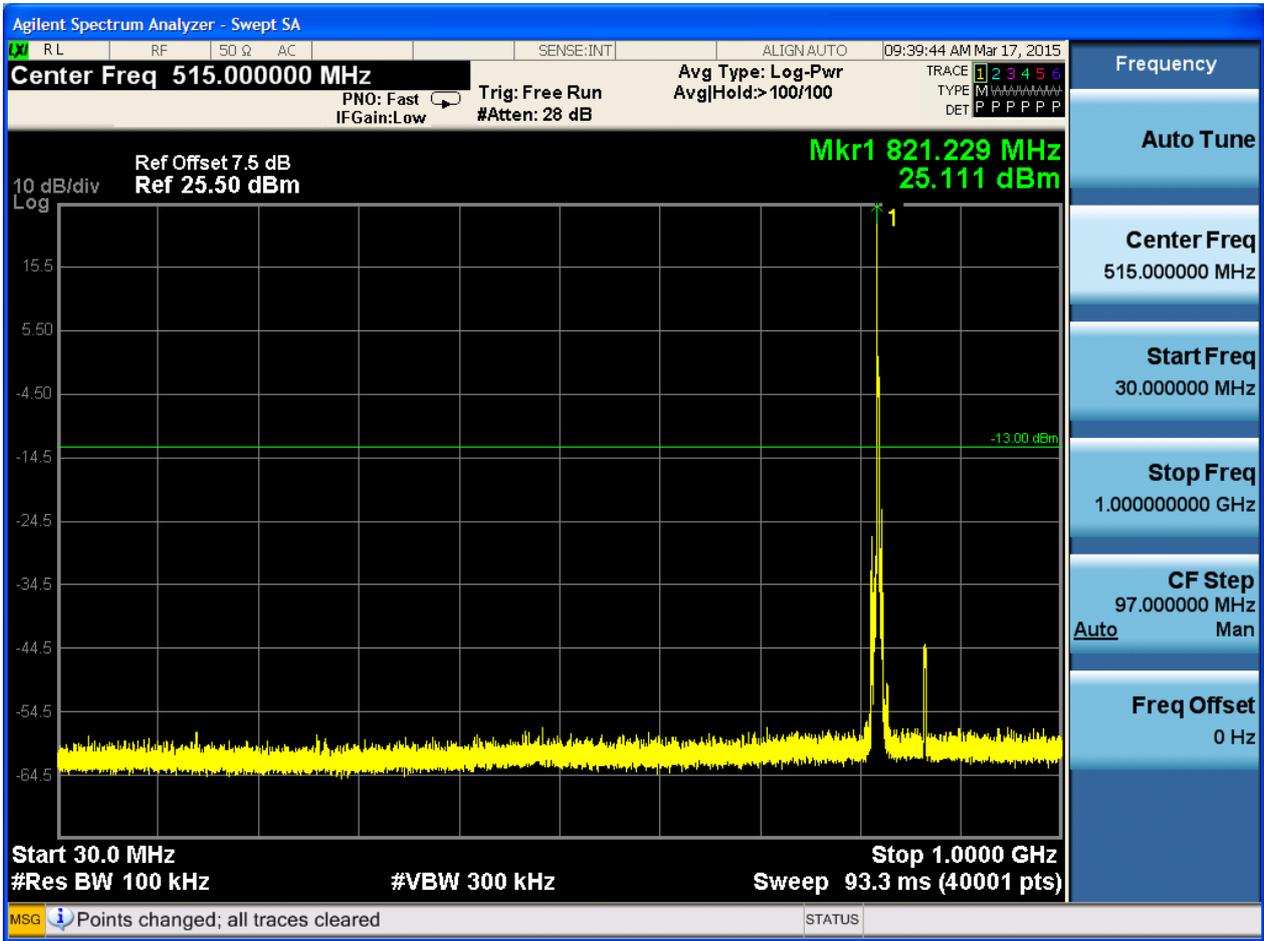


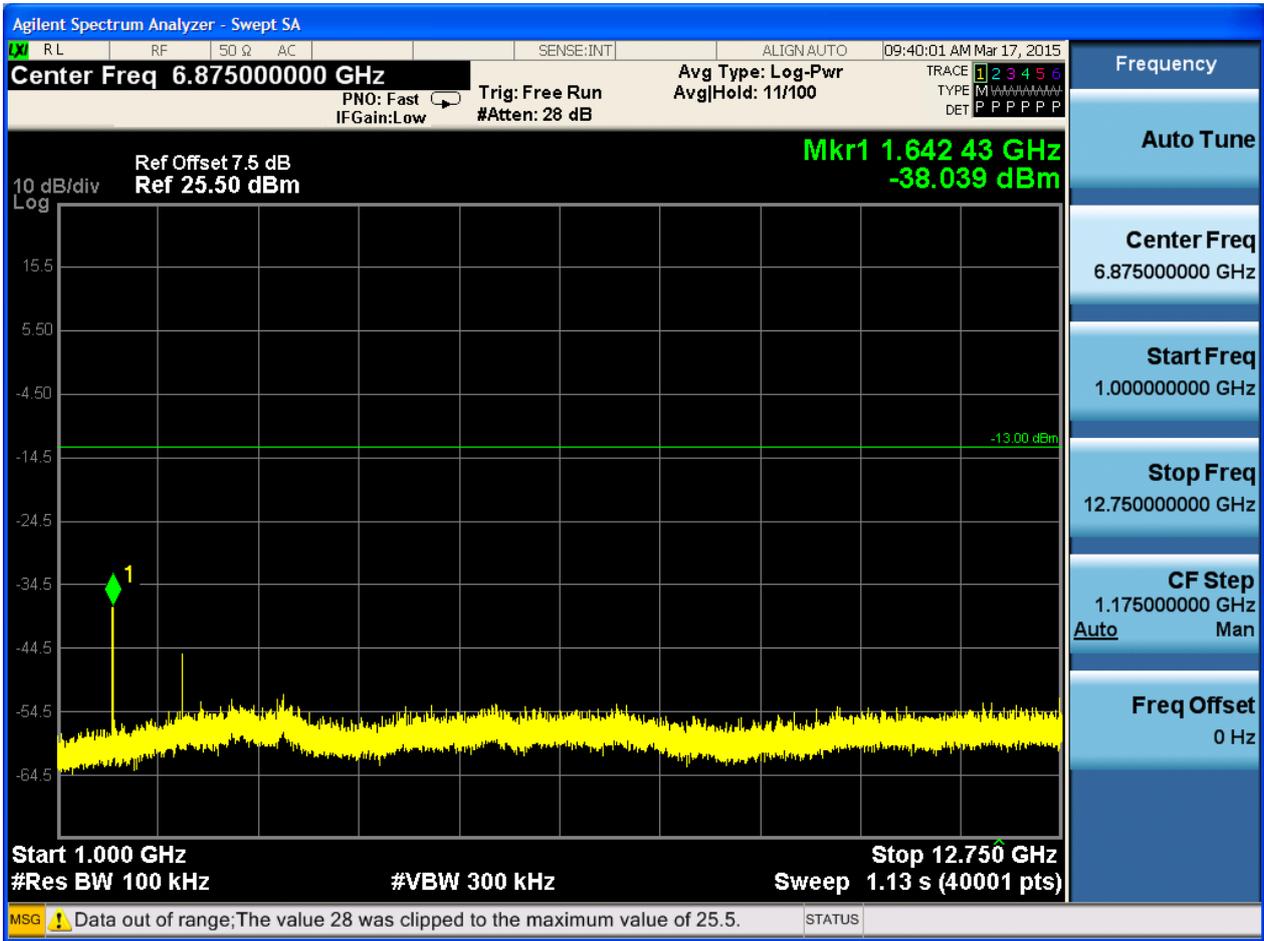
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







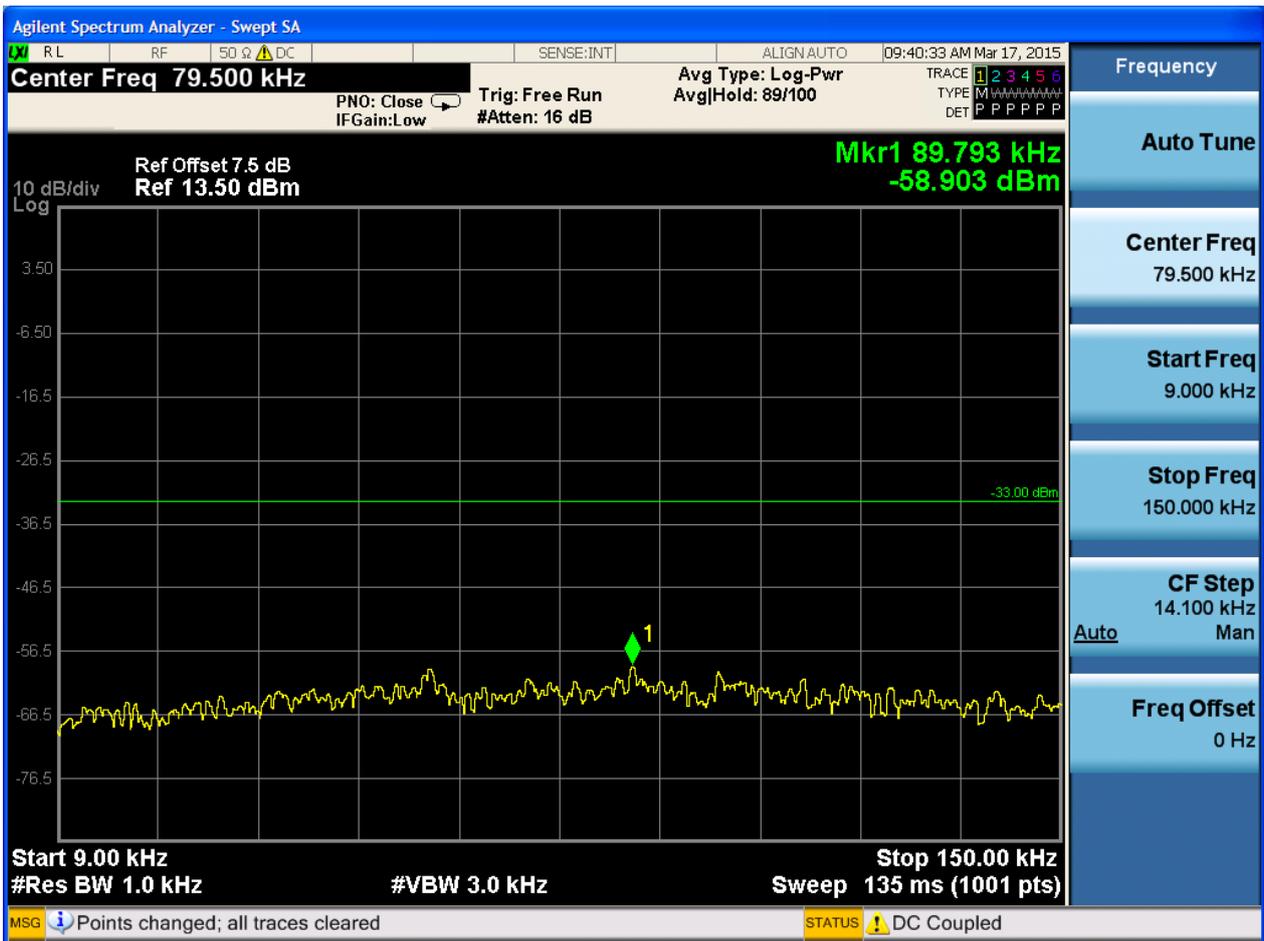




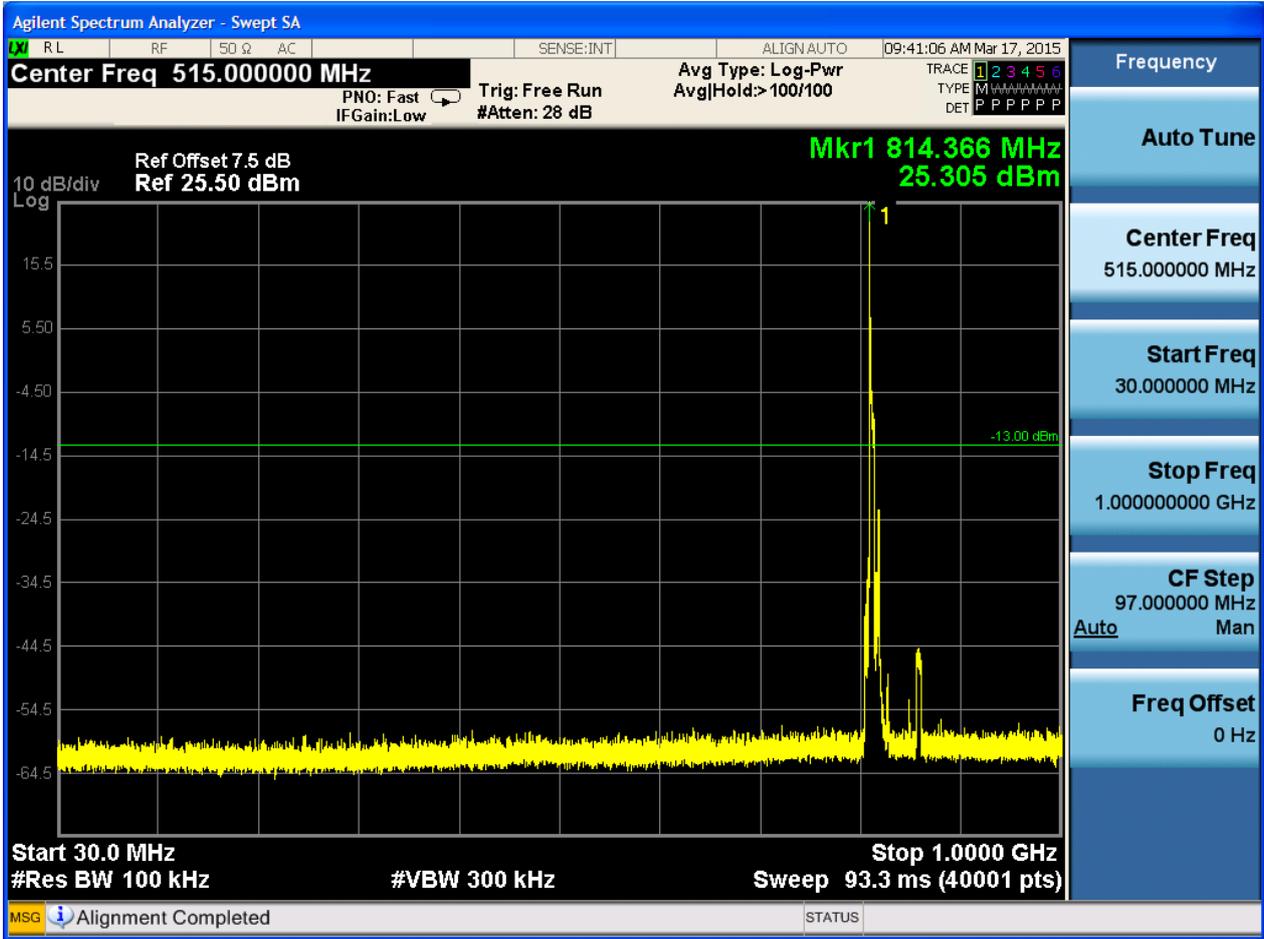
6.1.1.1.3 Test Bandwidth = 5

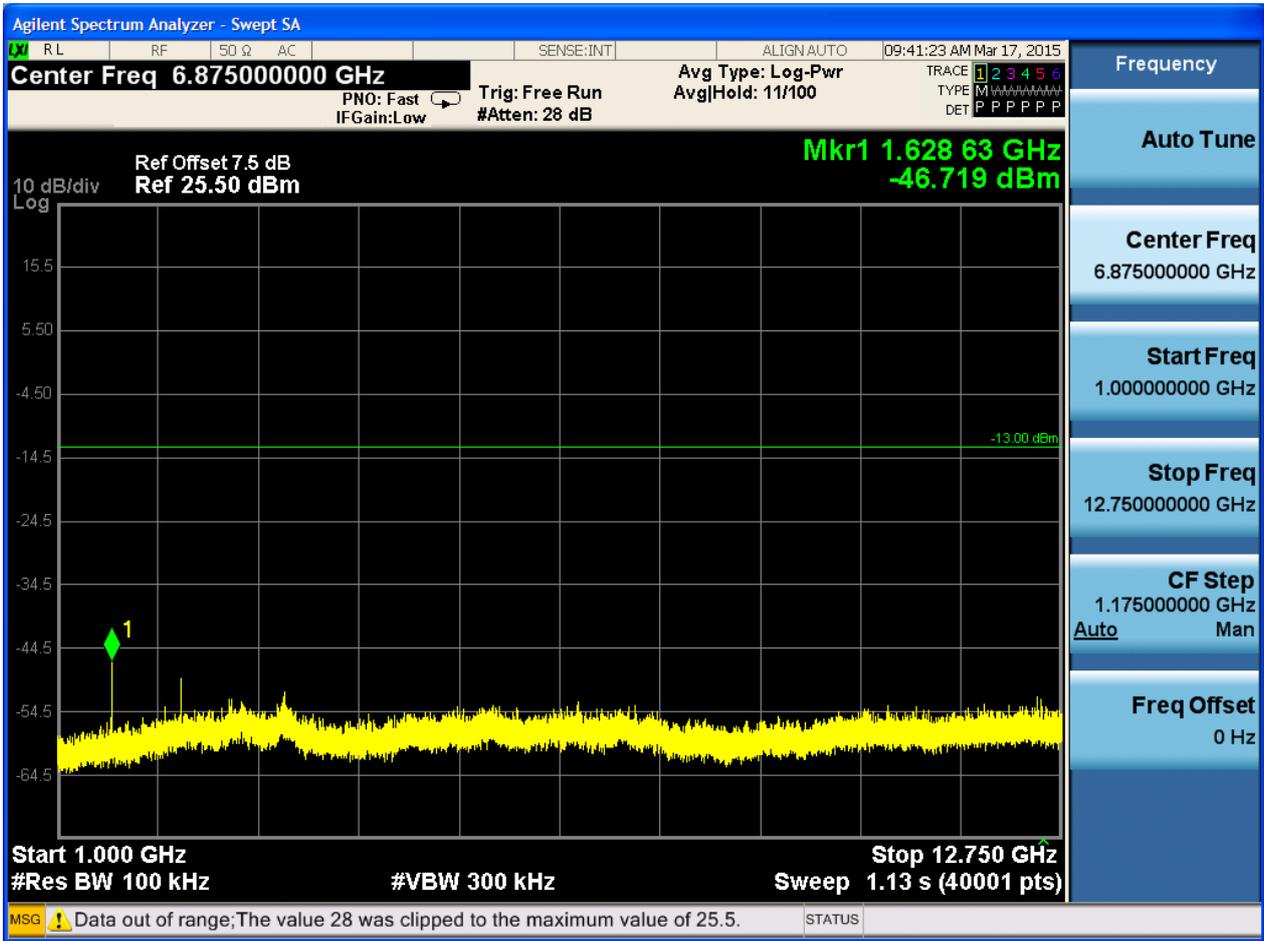
6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



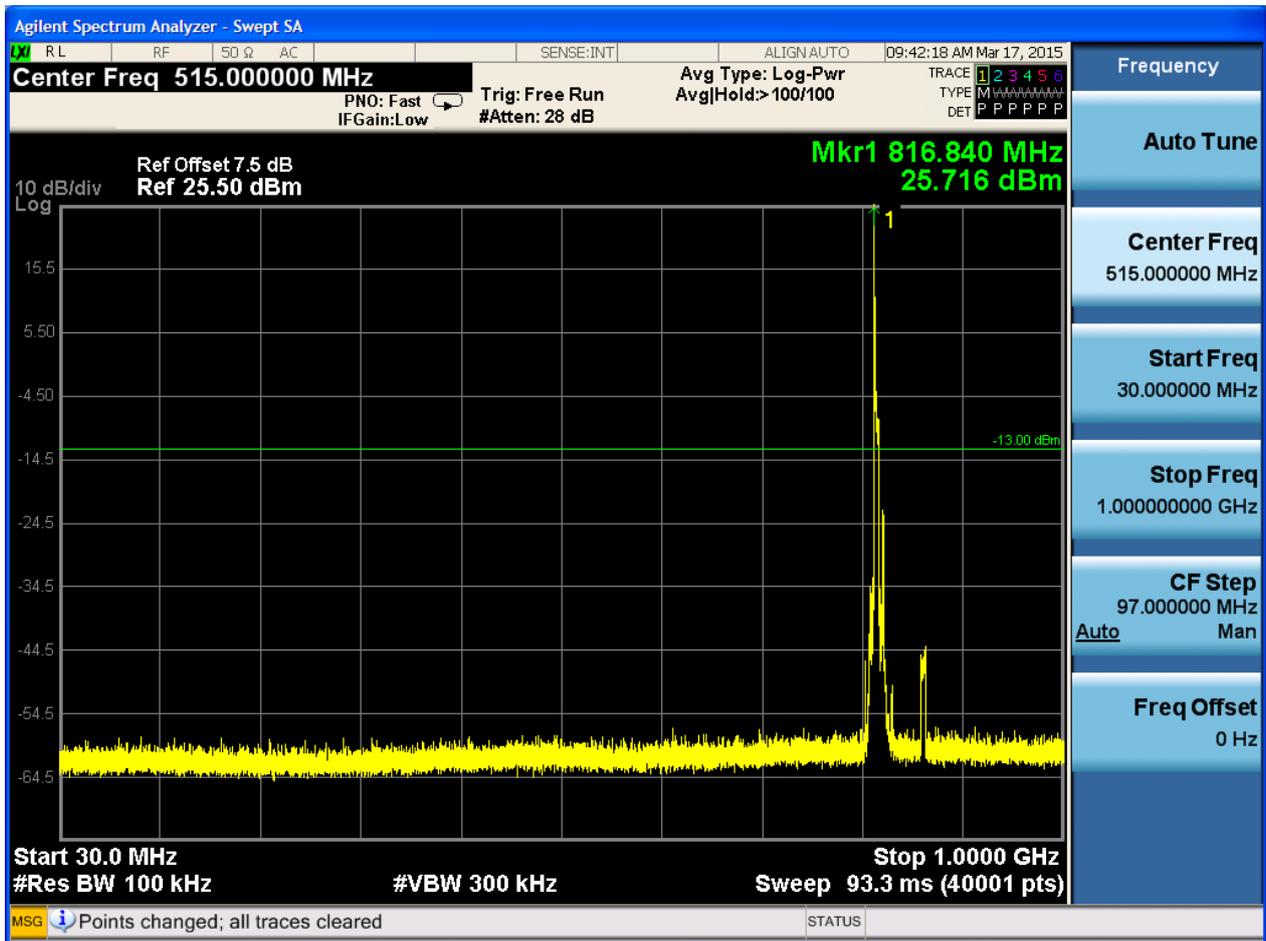


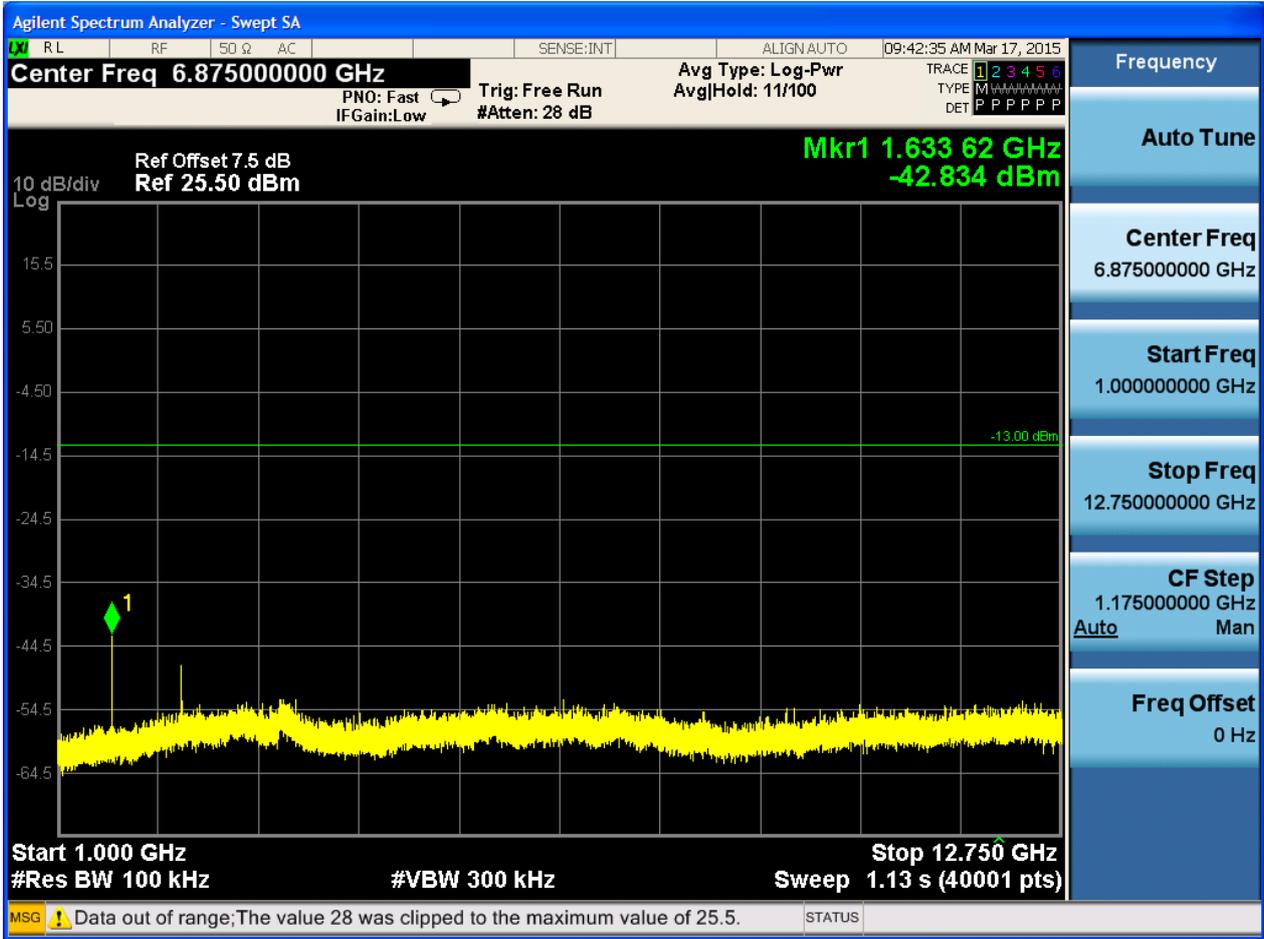




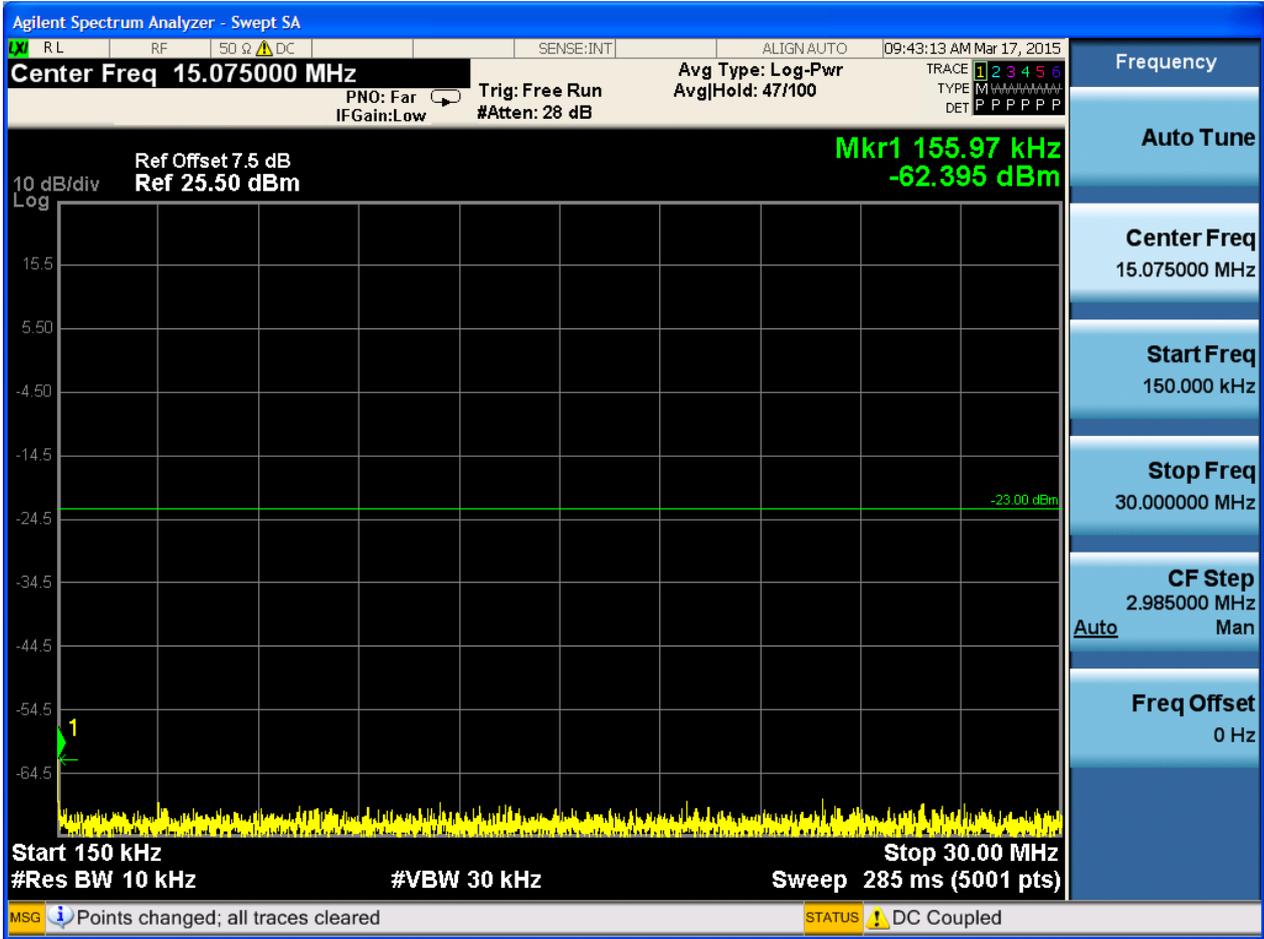


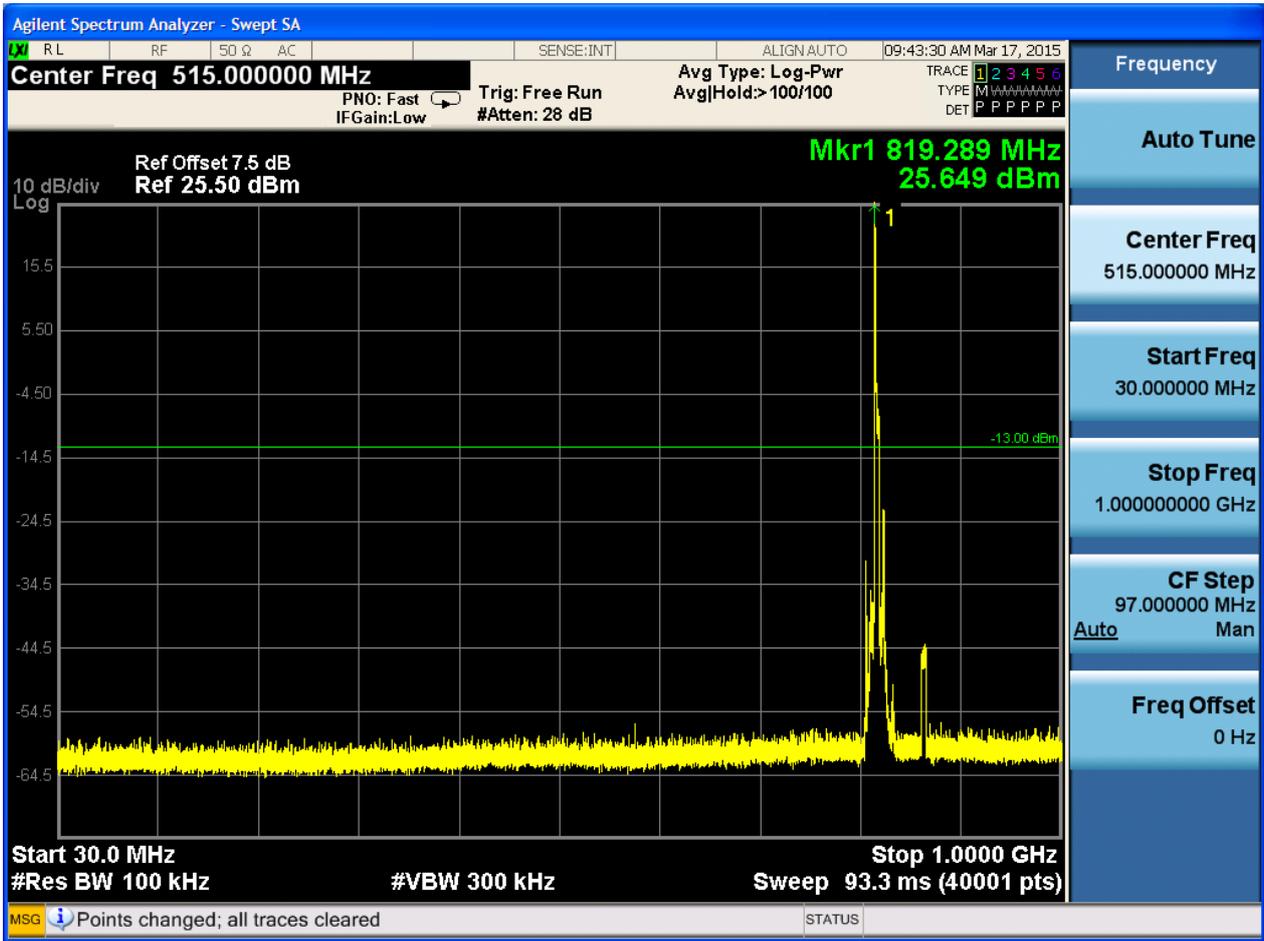


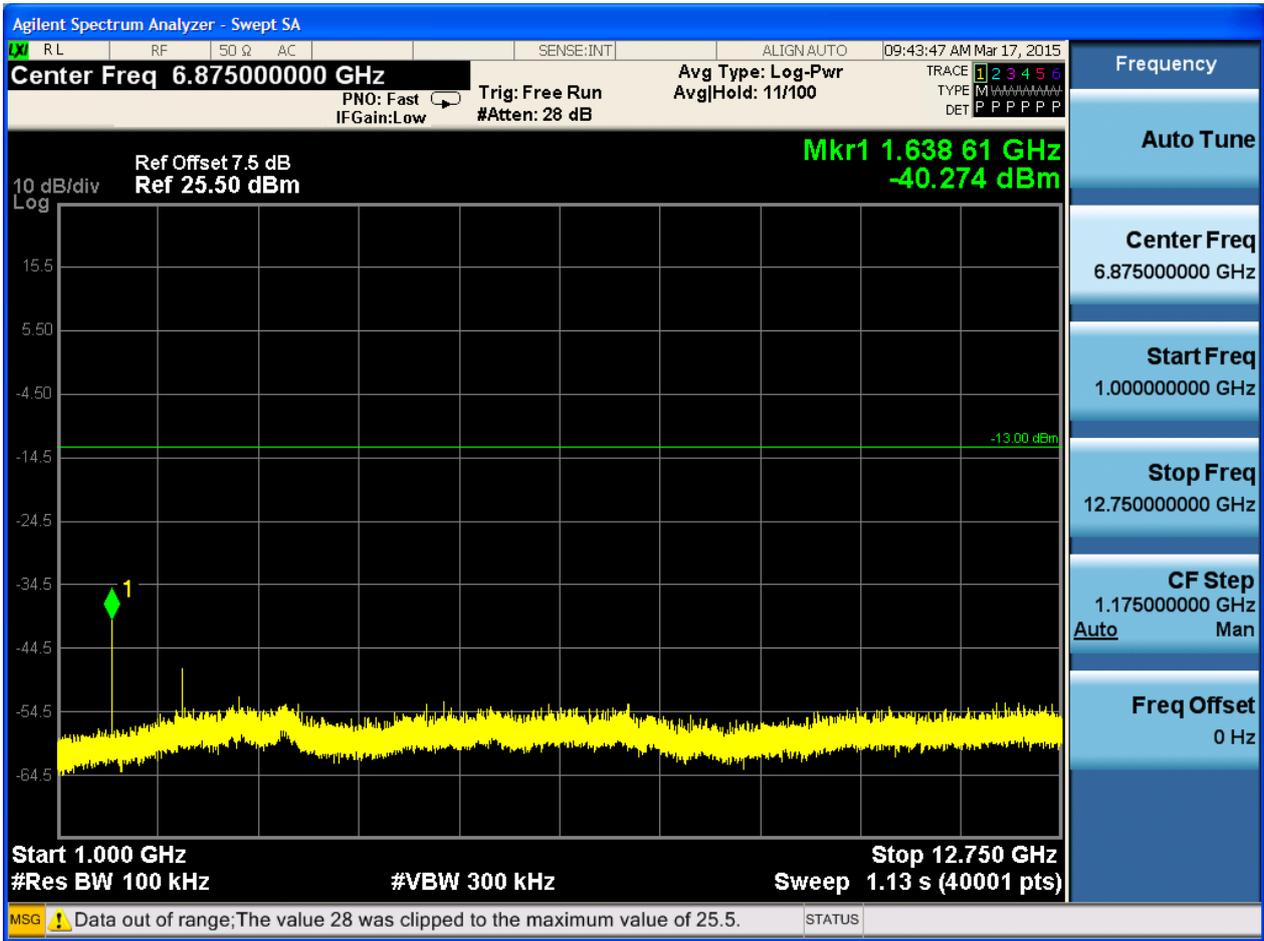








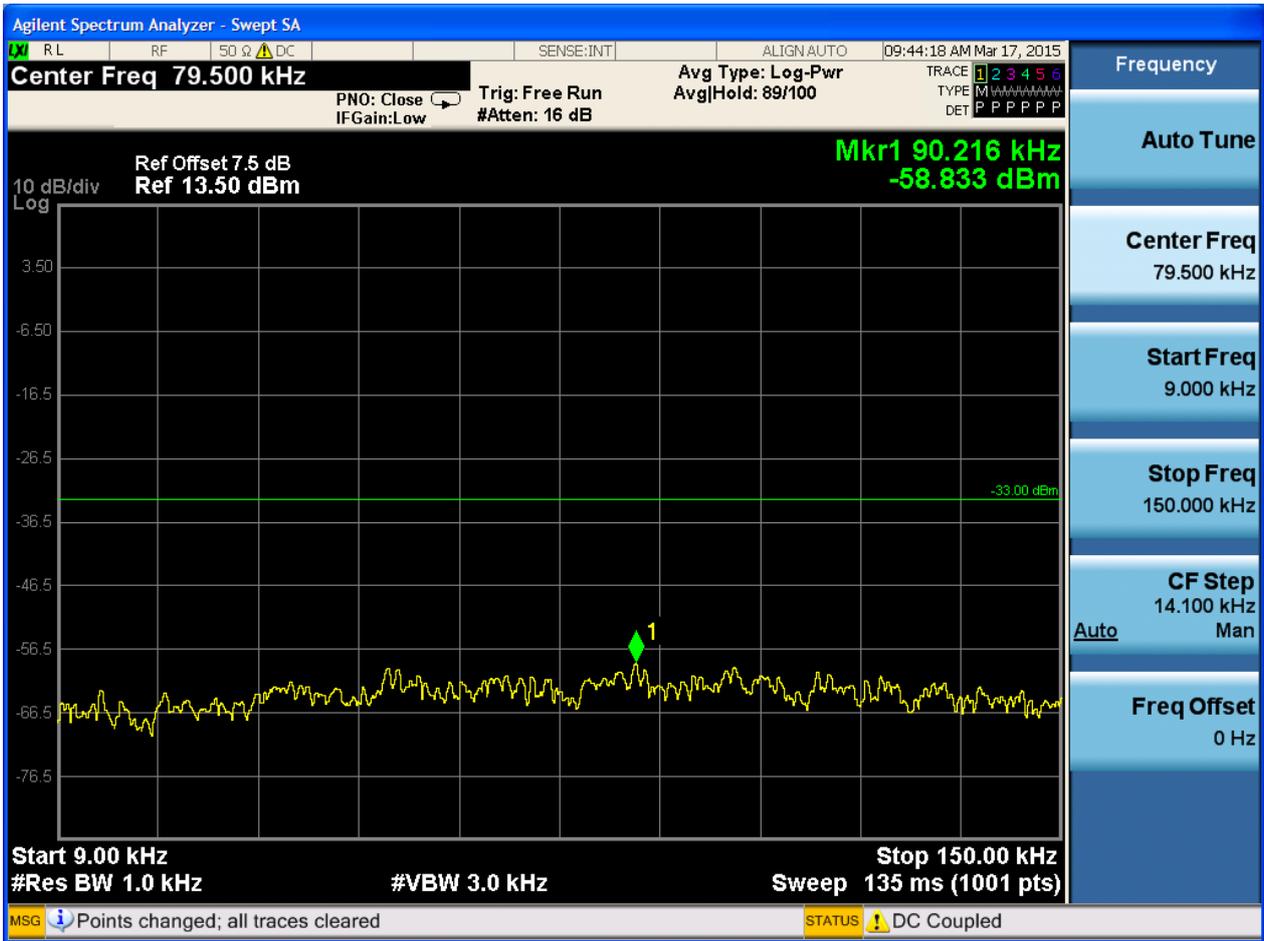


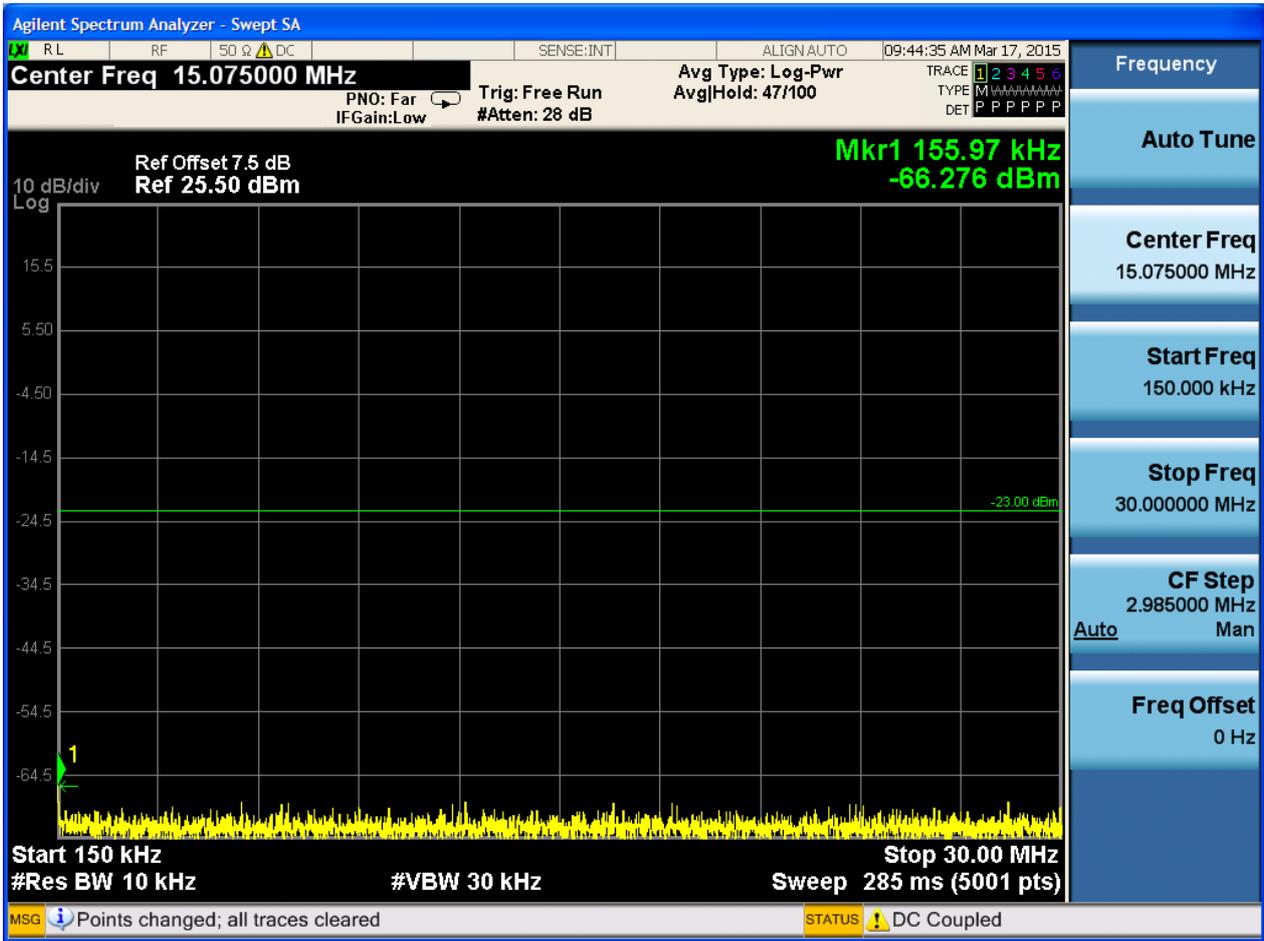


6.1.1.1.4 Test Bandwidth = 10

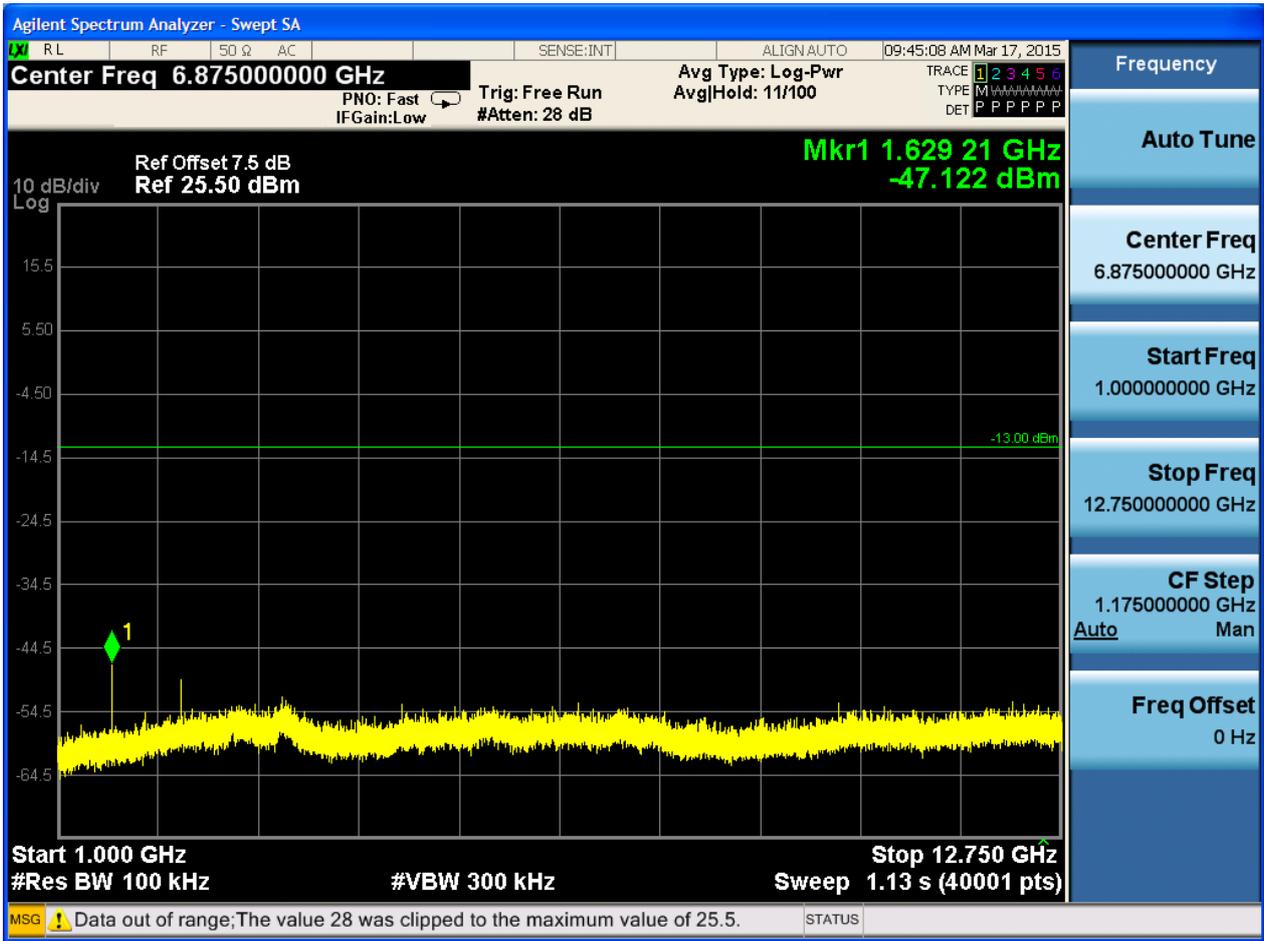
6.1.1.1.4.1 Test Channel = LCH/MCH/HCH

6.1.1.1.4.1.1 Test RB = RB1#0









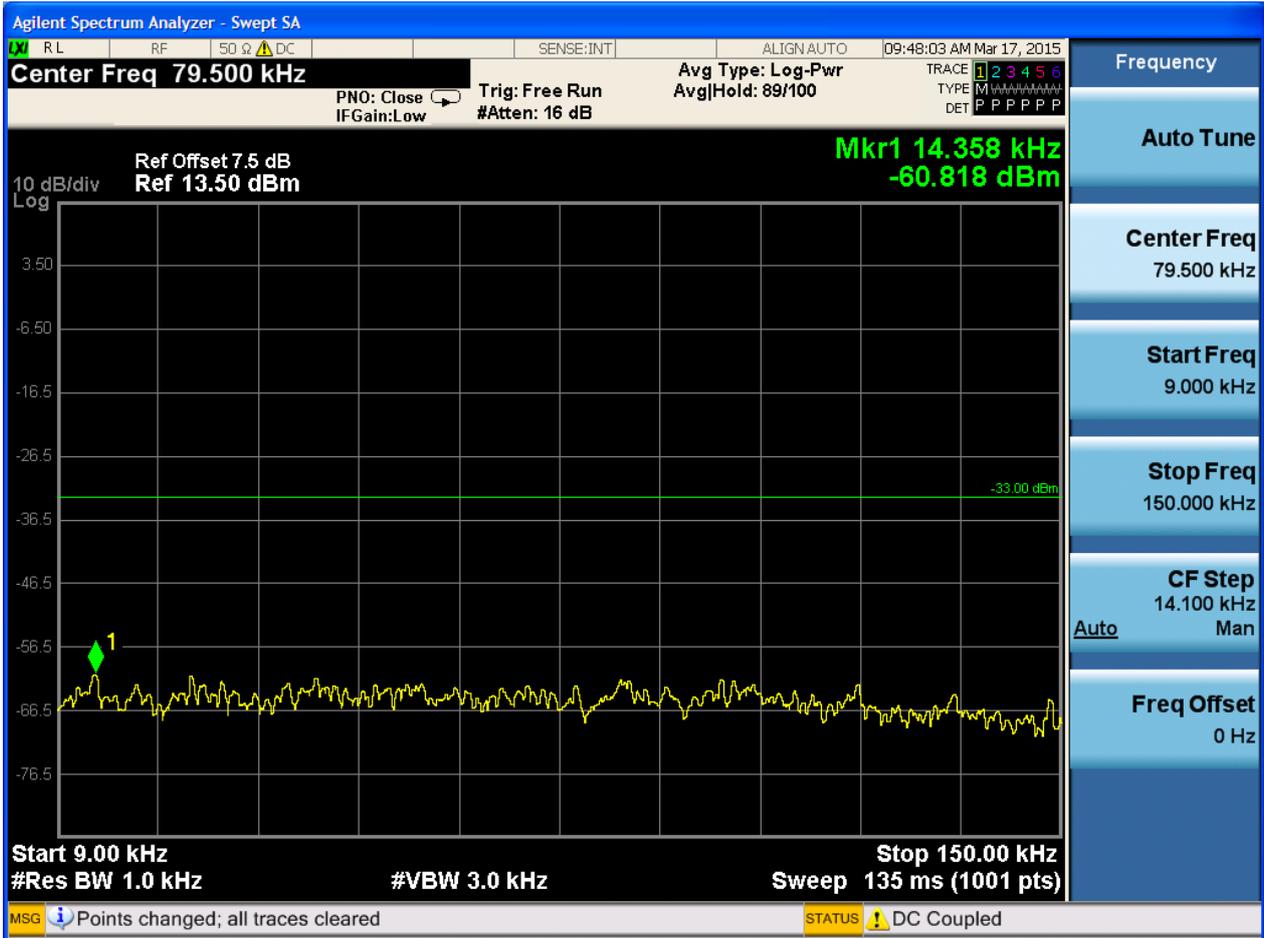


6.1.1.2 Test Mode = LTE/TM2

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



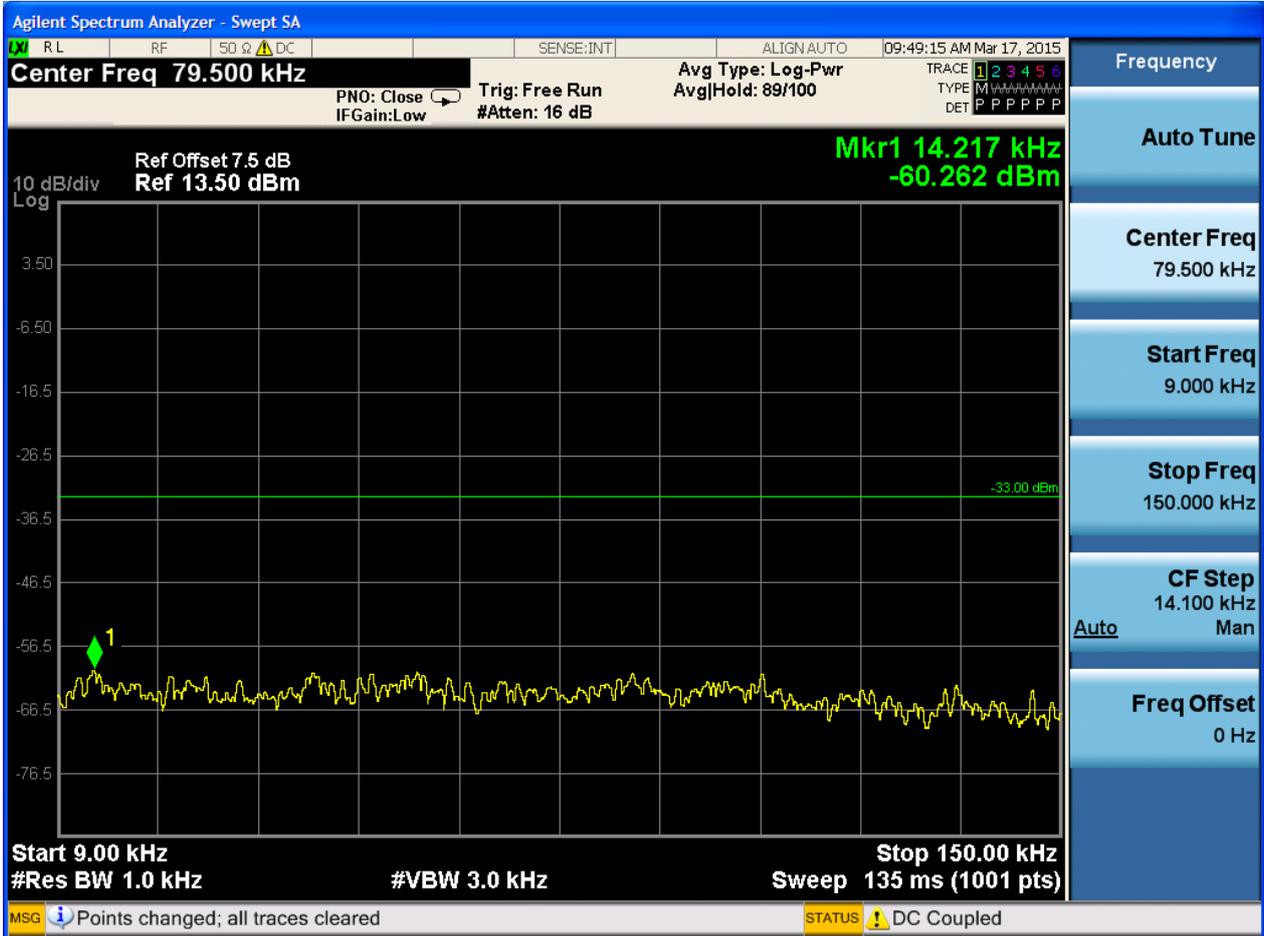




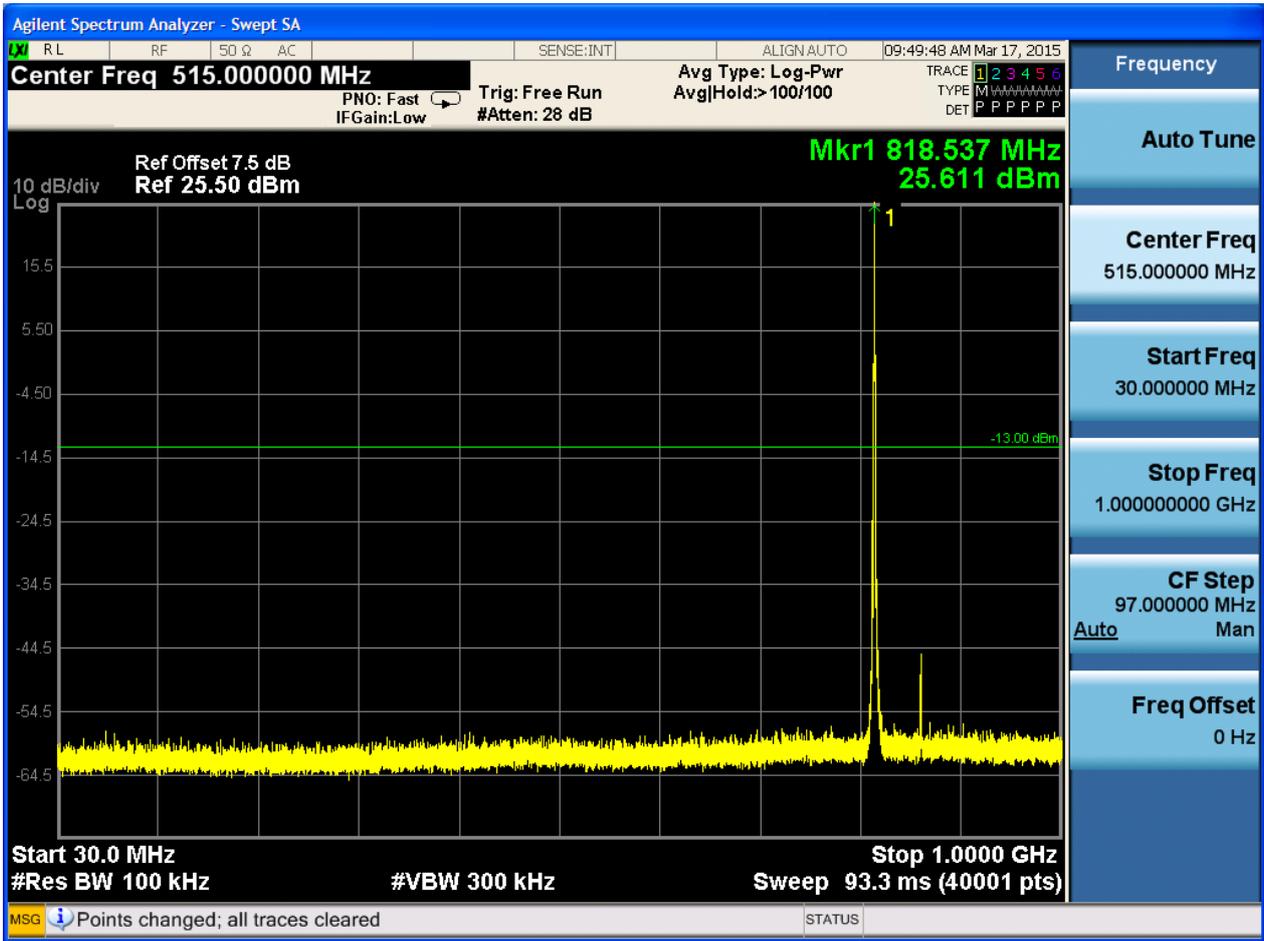


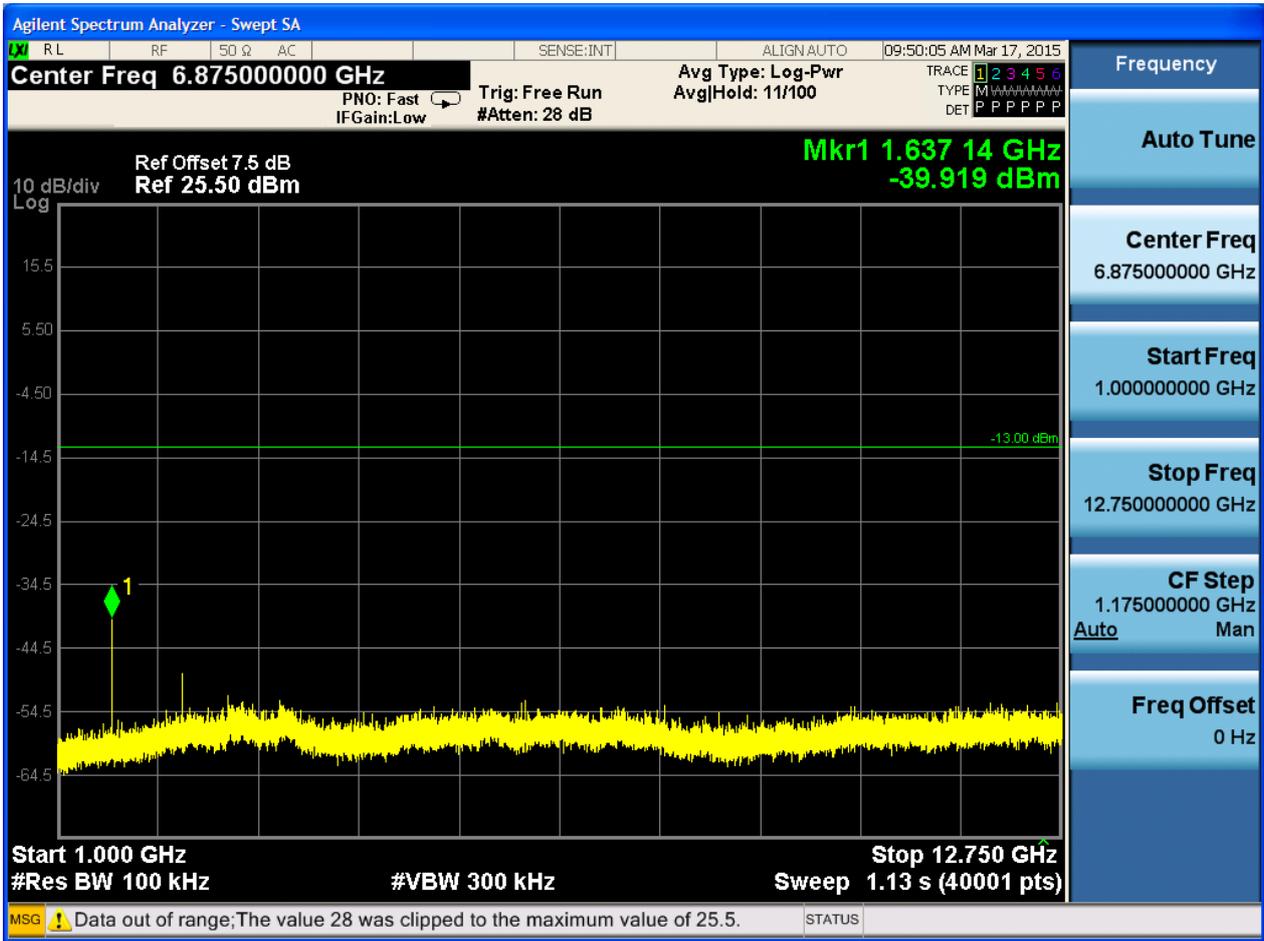
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





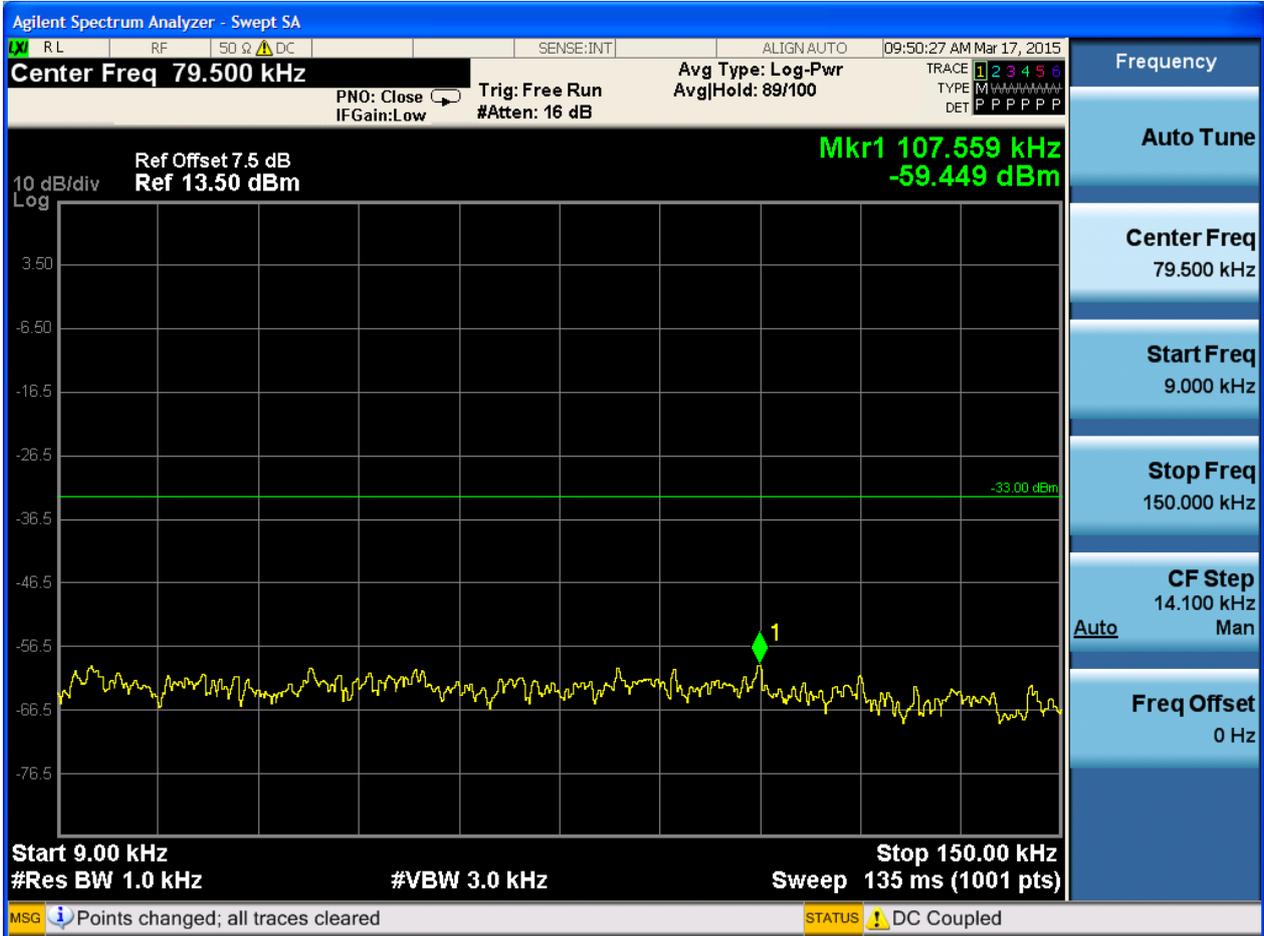


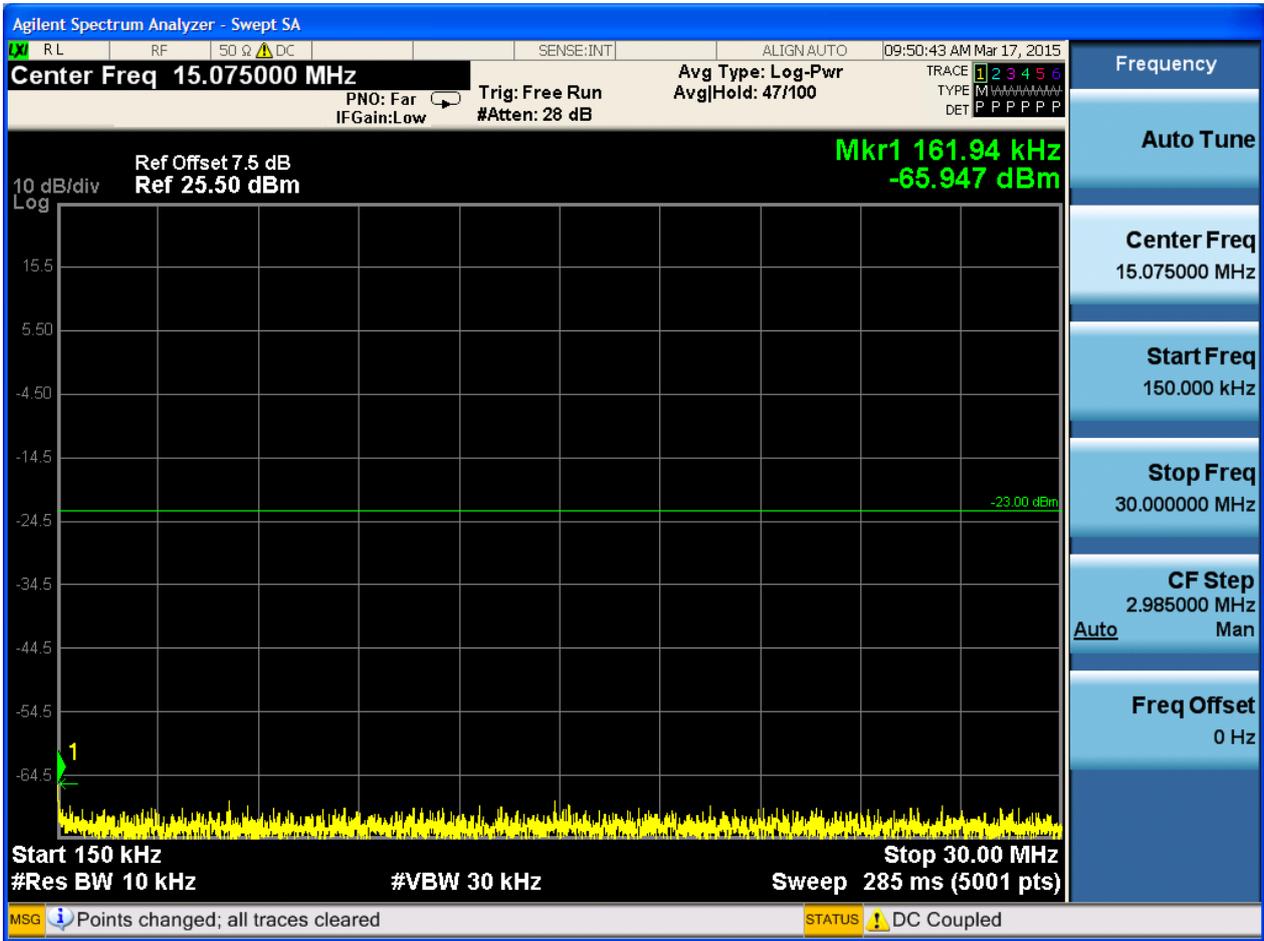


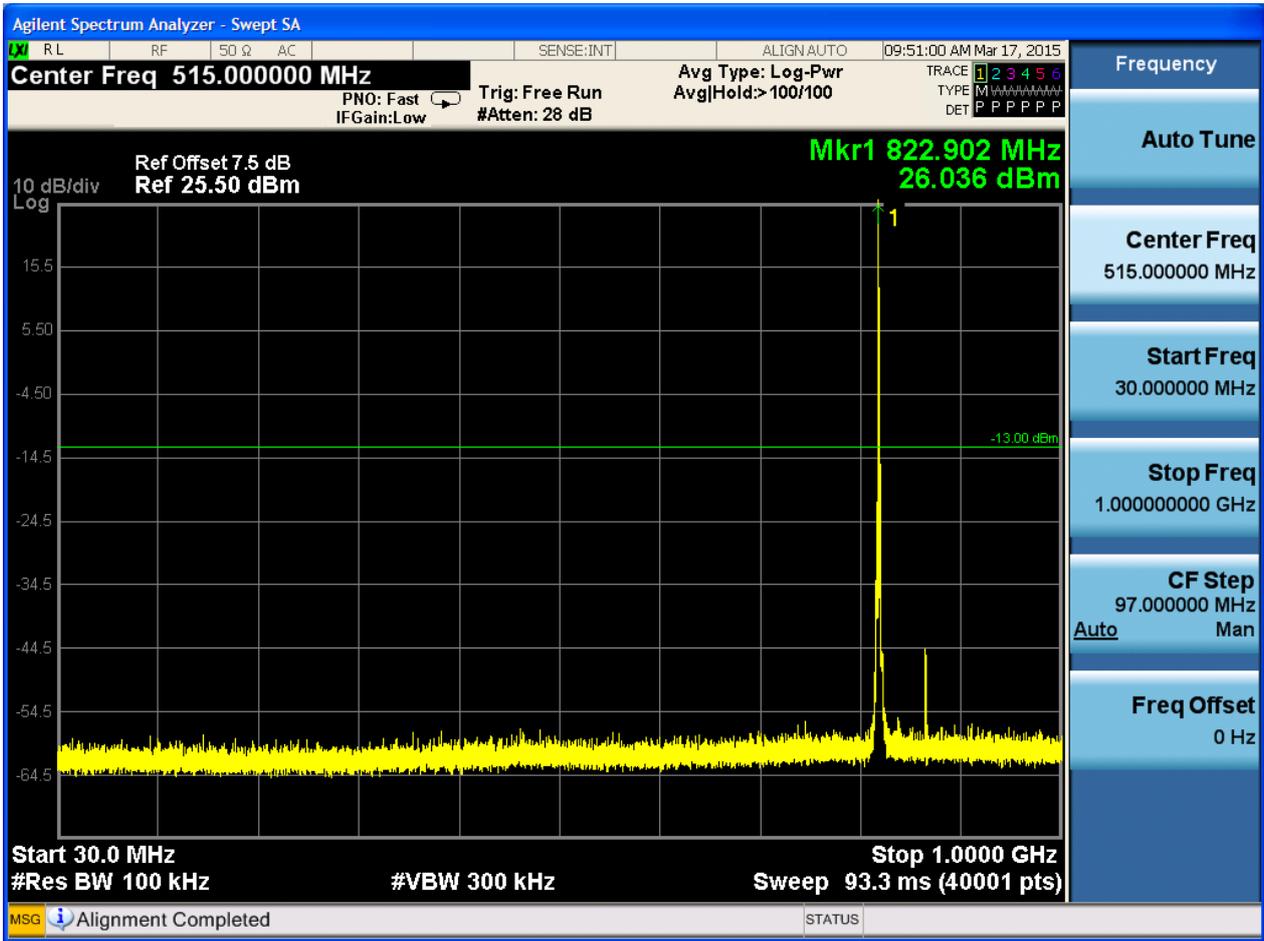


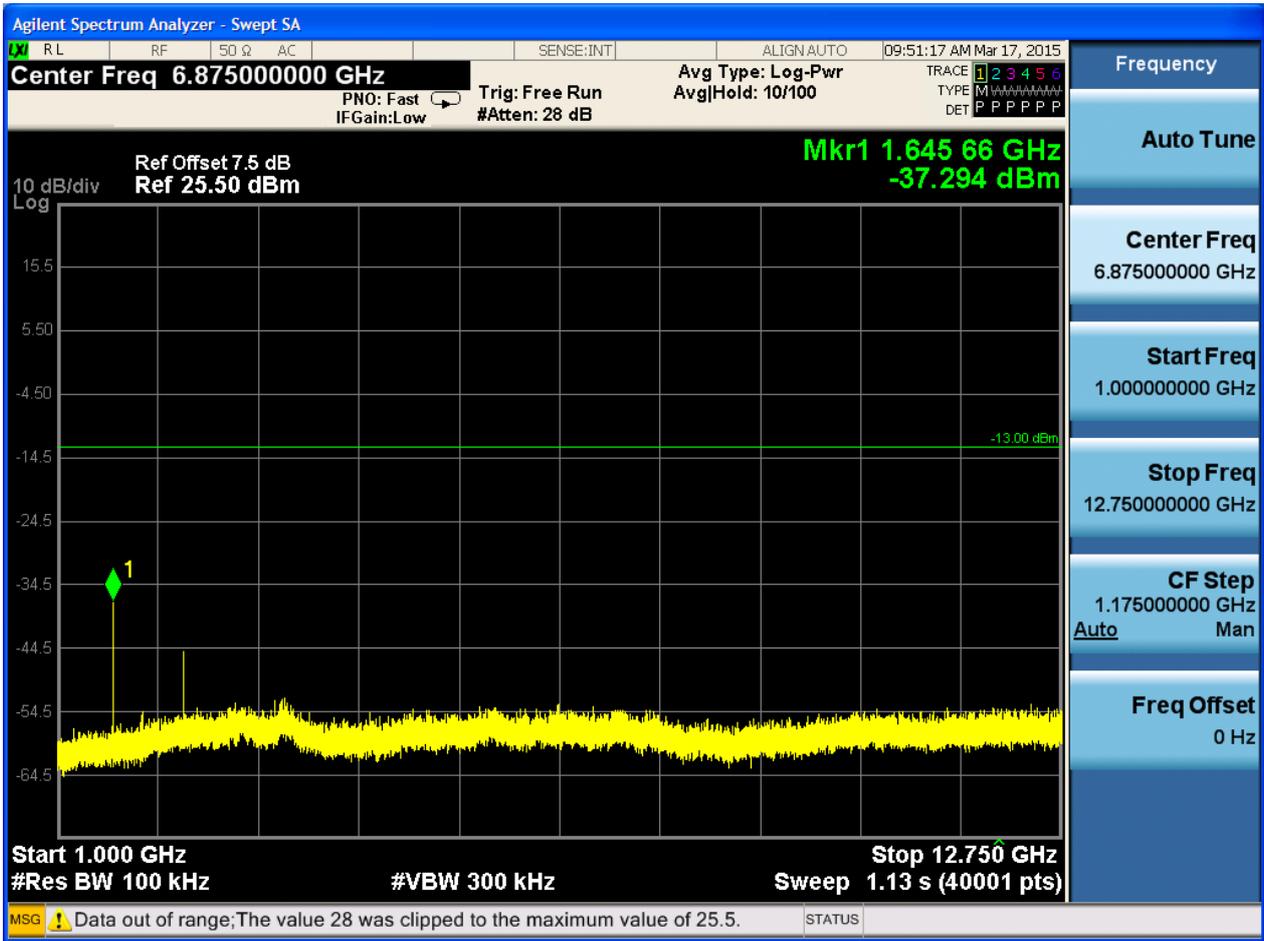
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







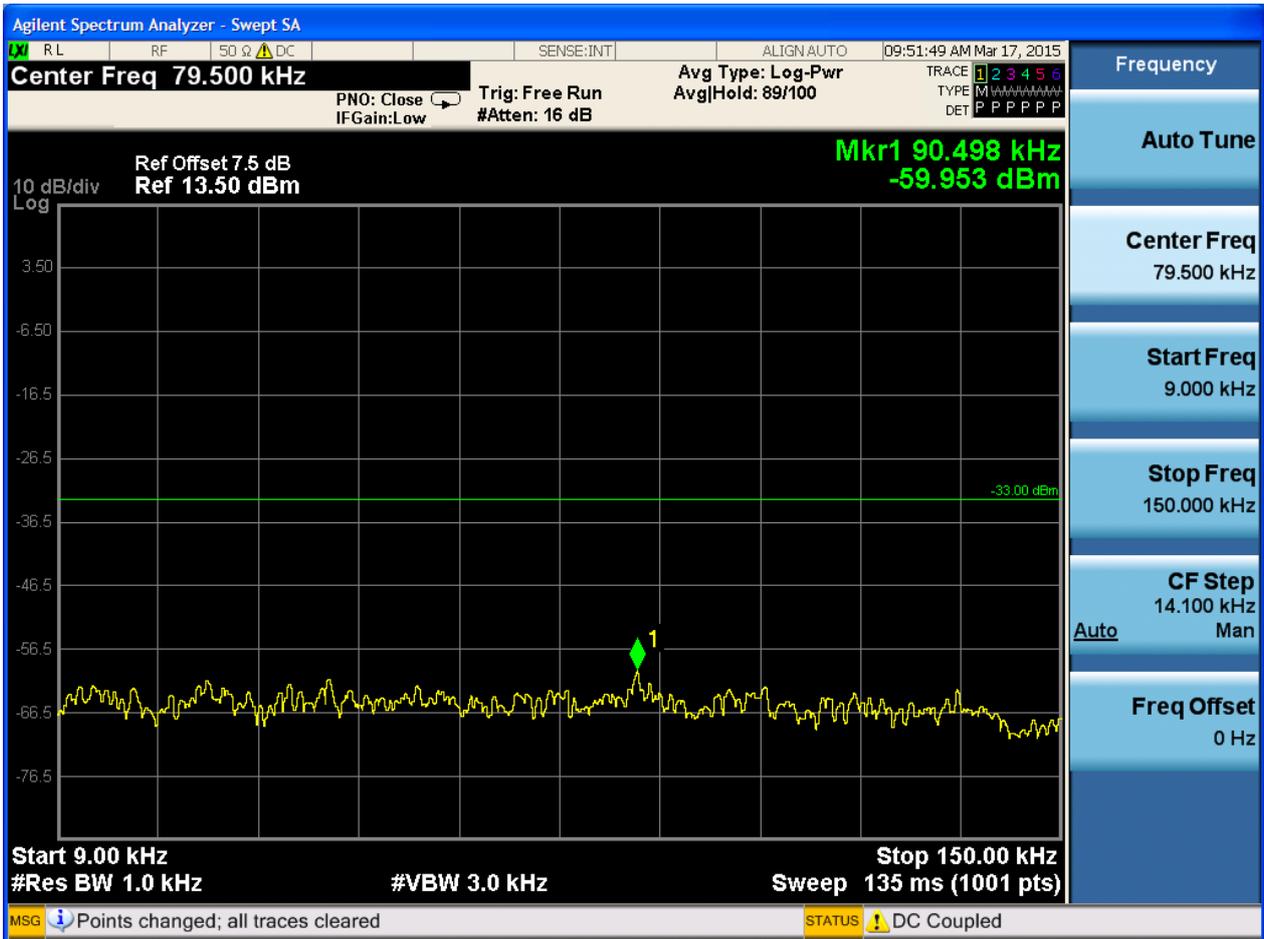


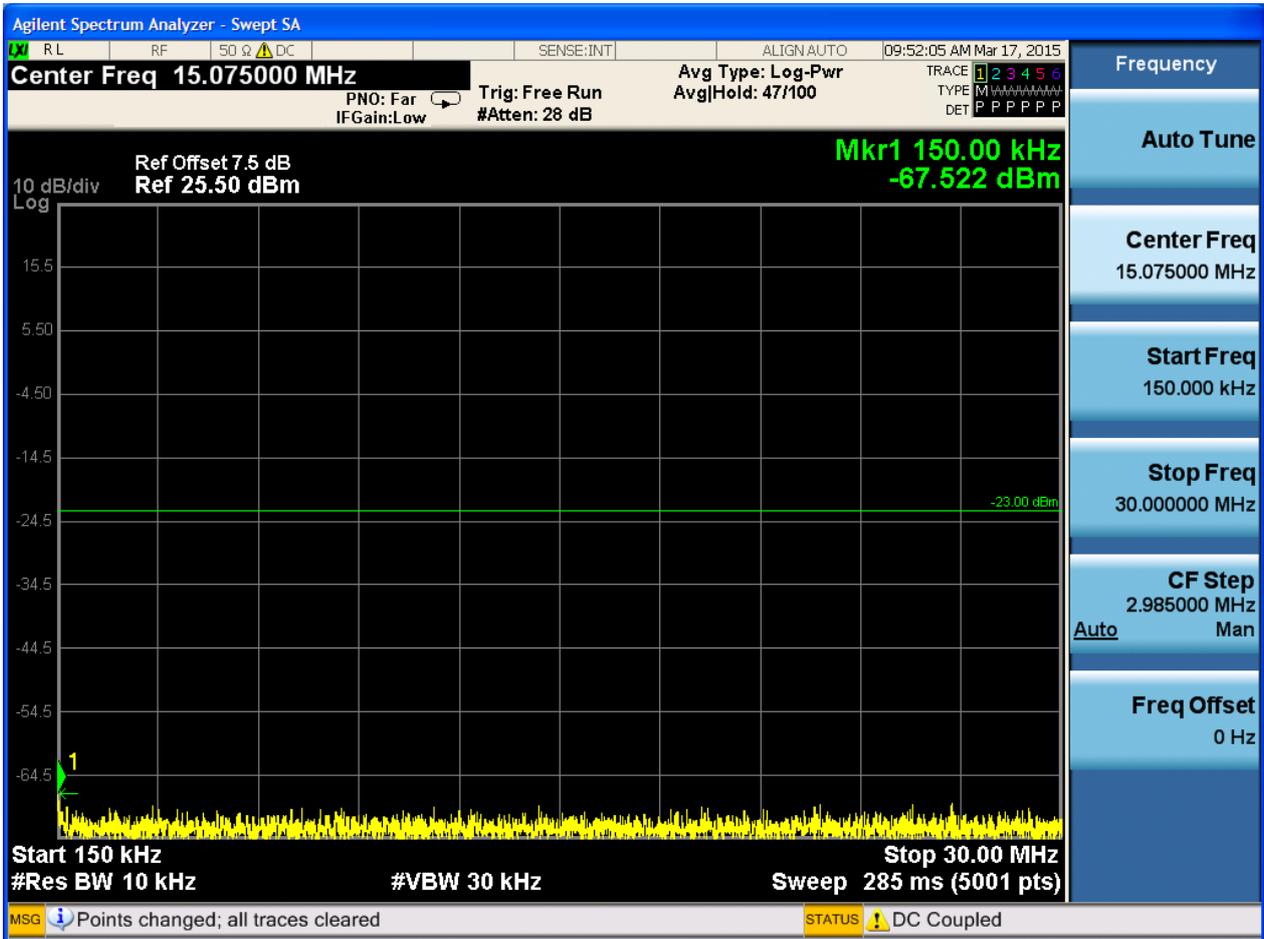


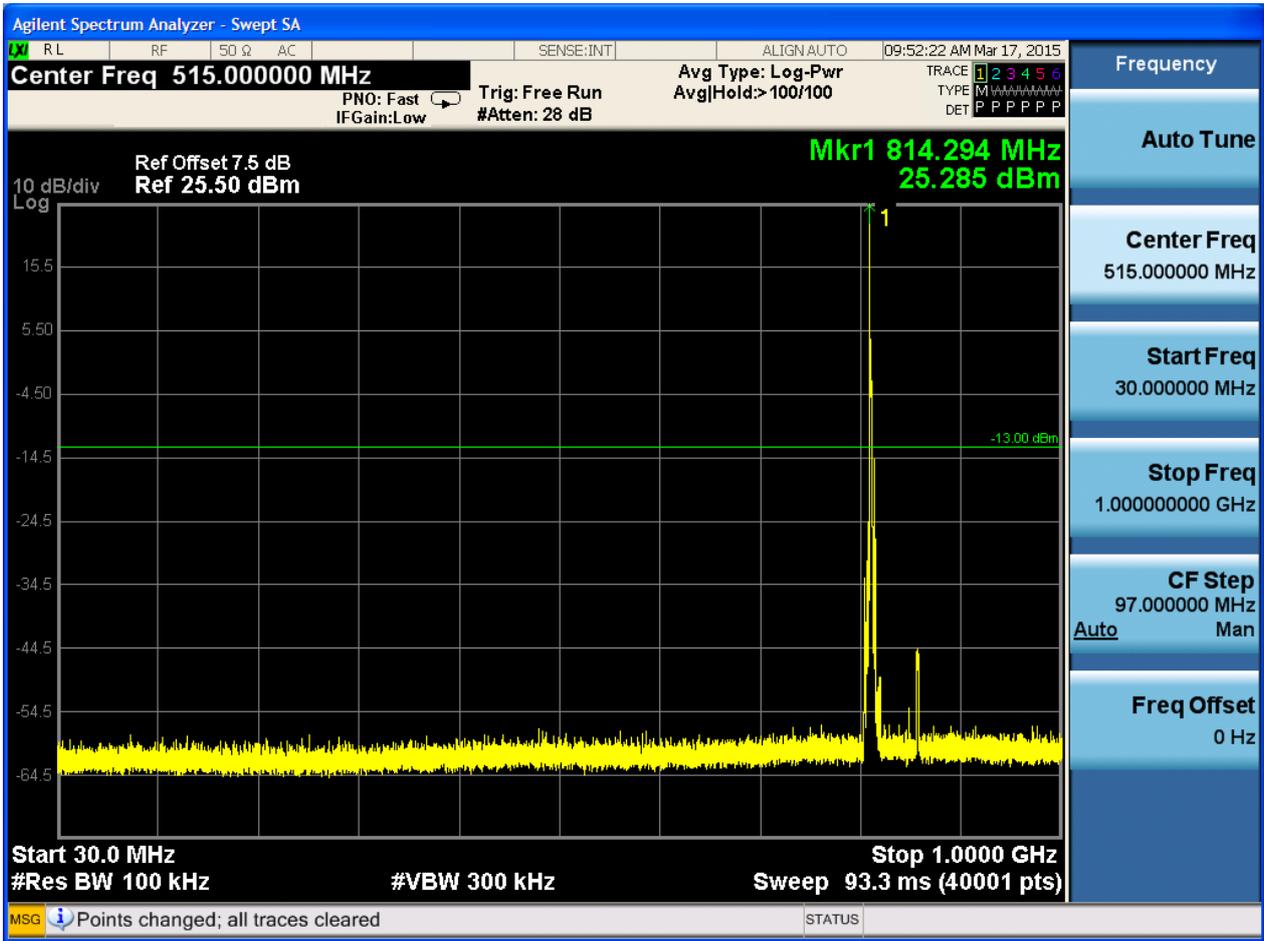
6.1.1.2.2 Test Bandwidth = 3

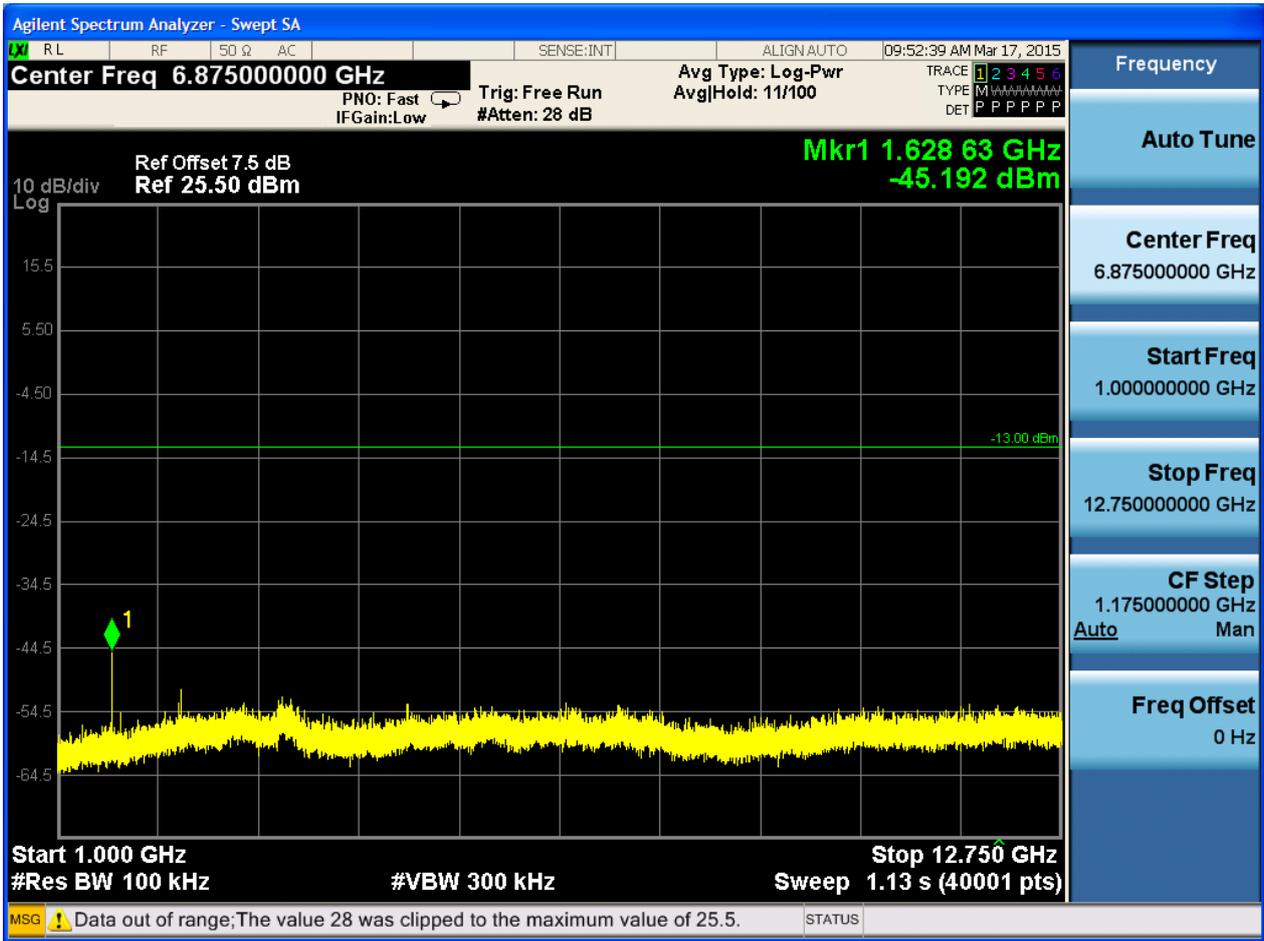
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



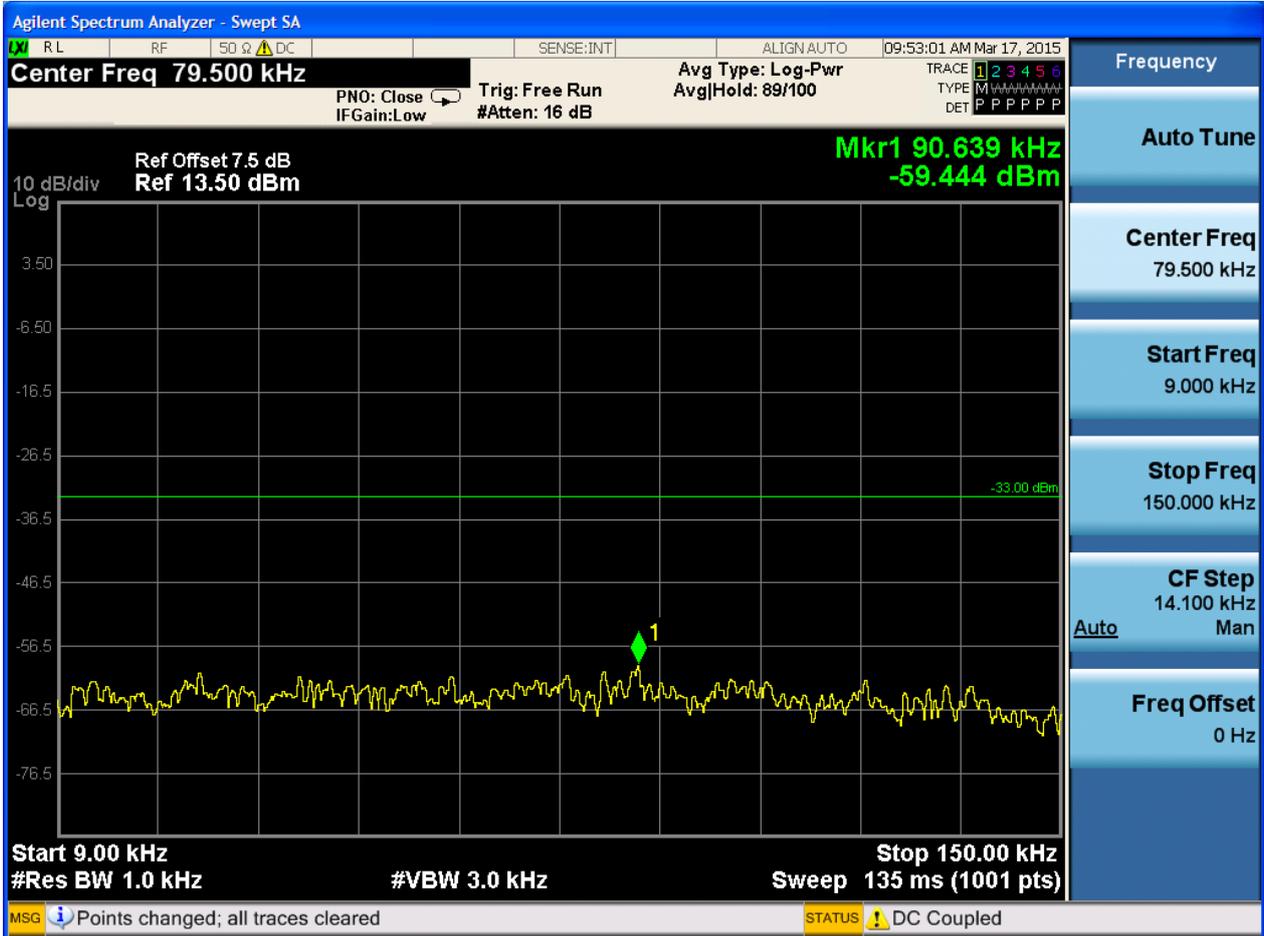


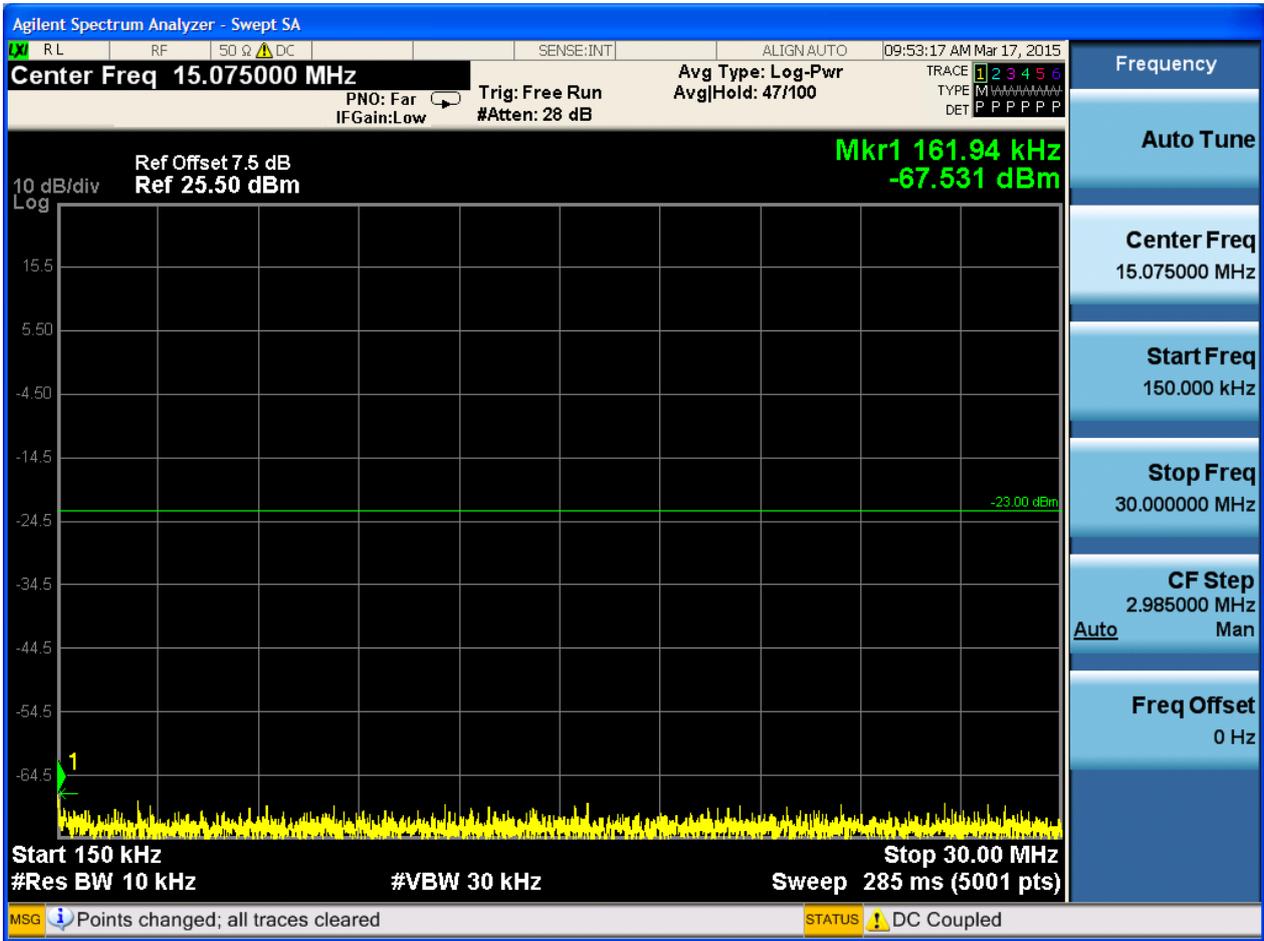


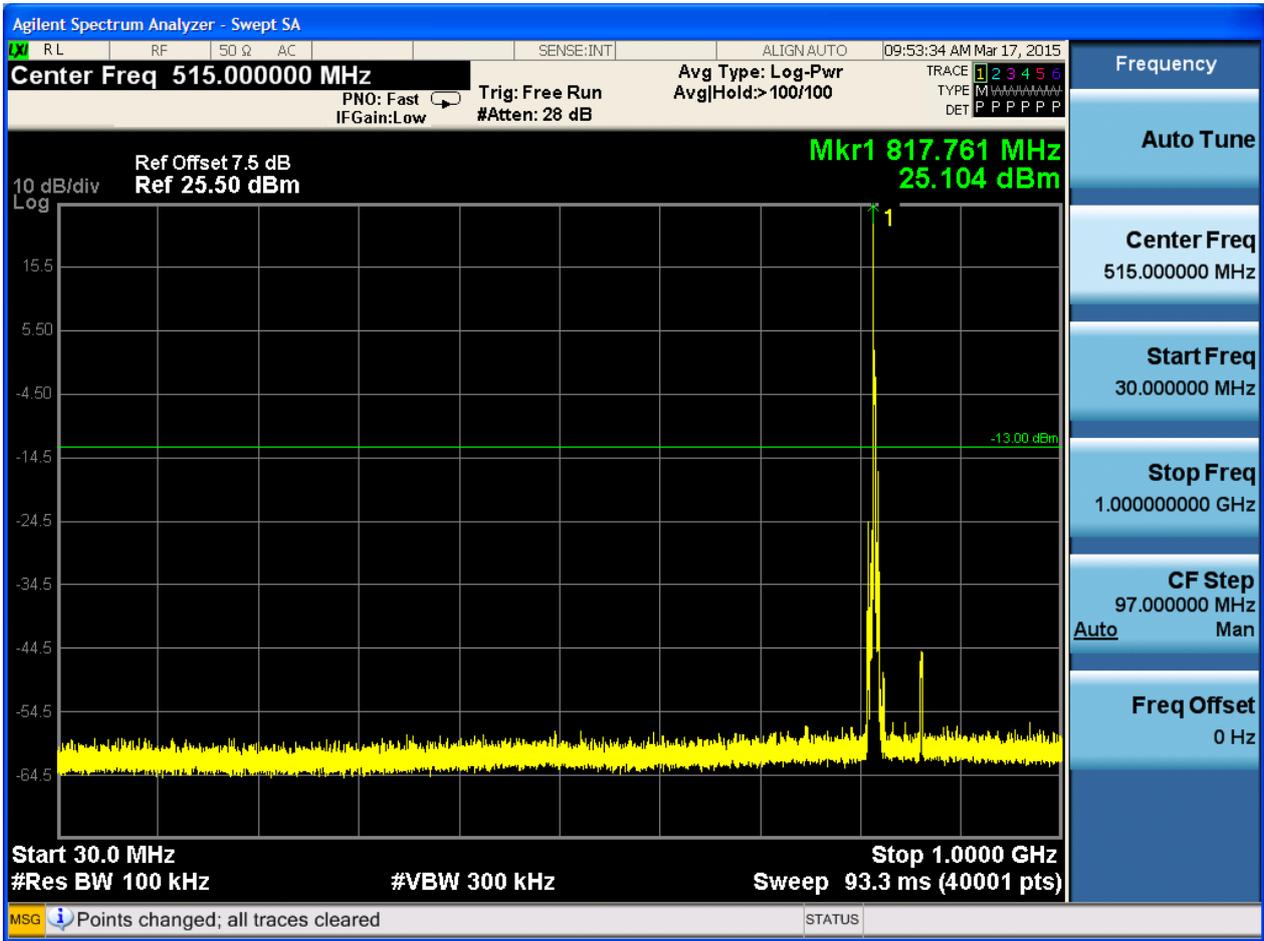


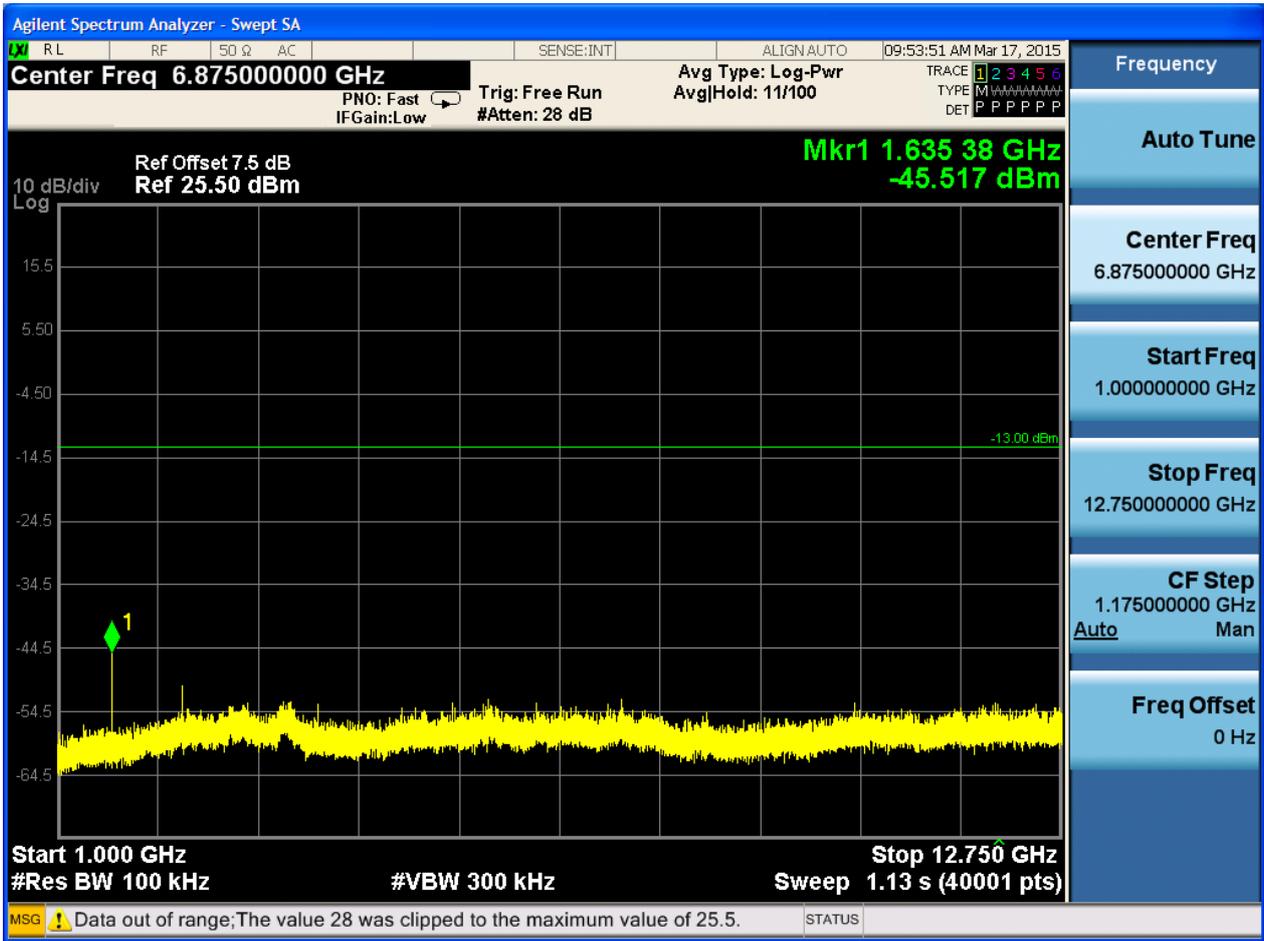
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

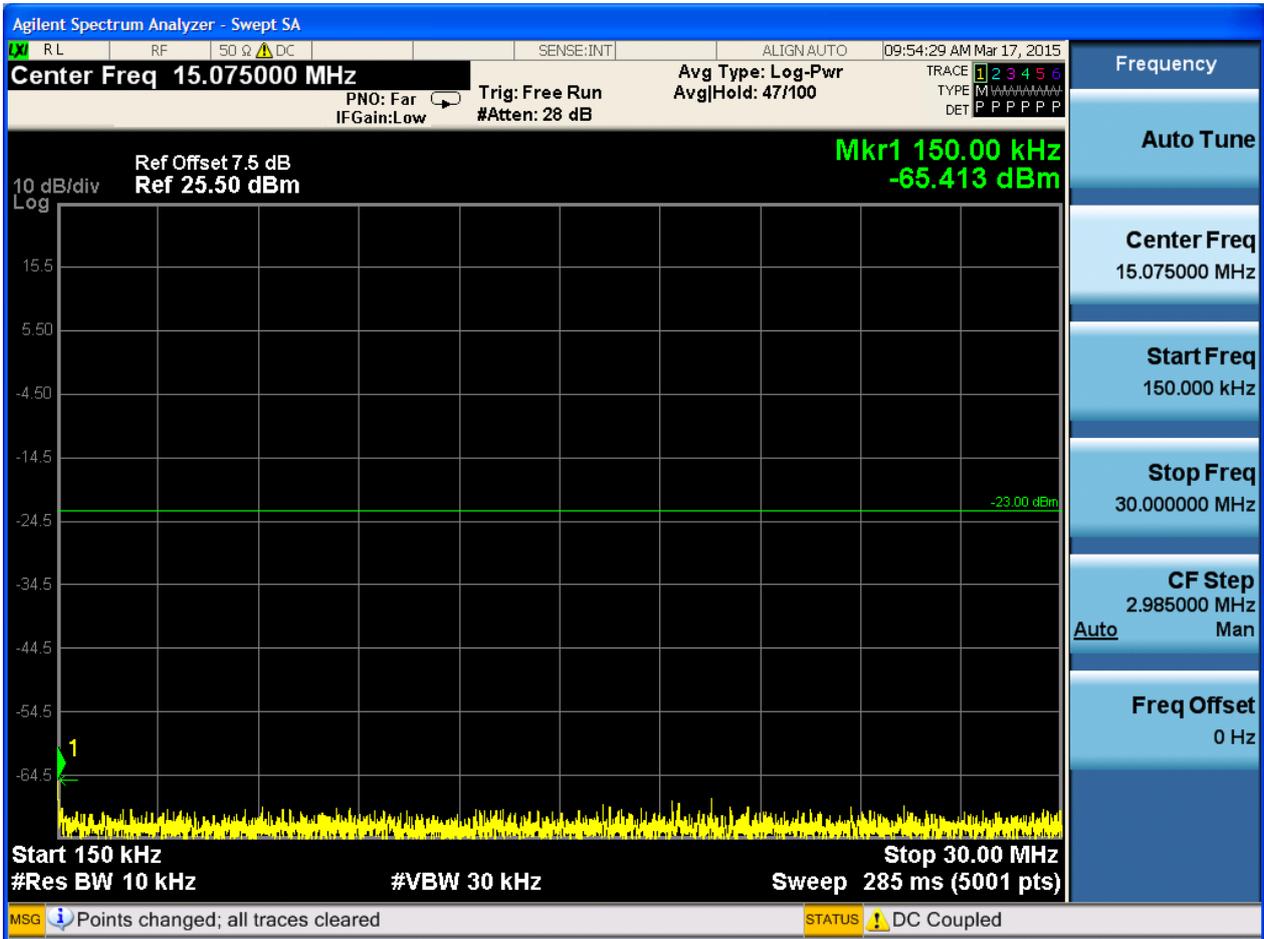


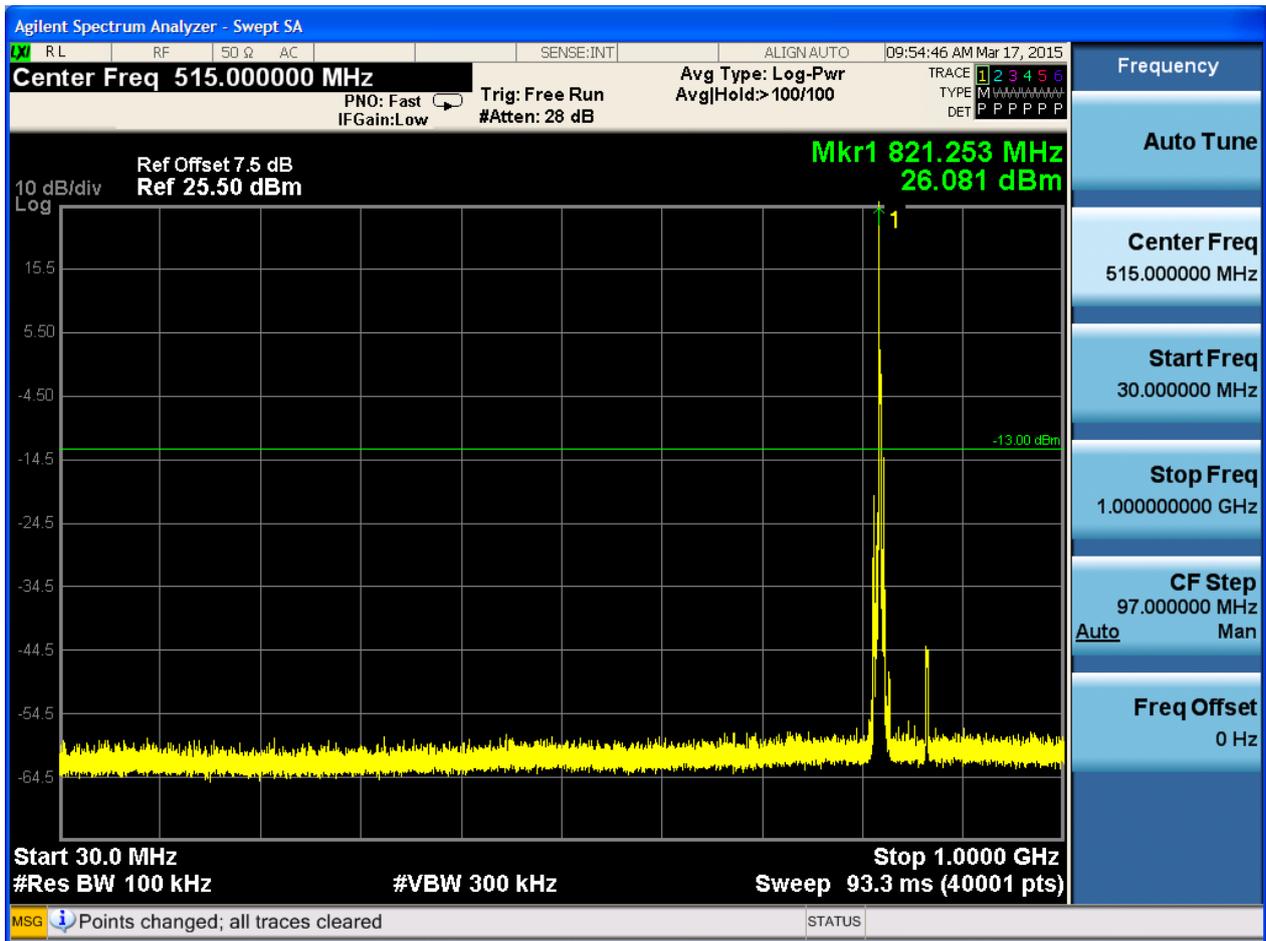


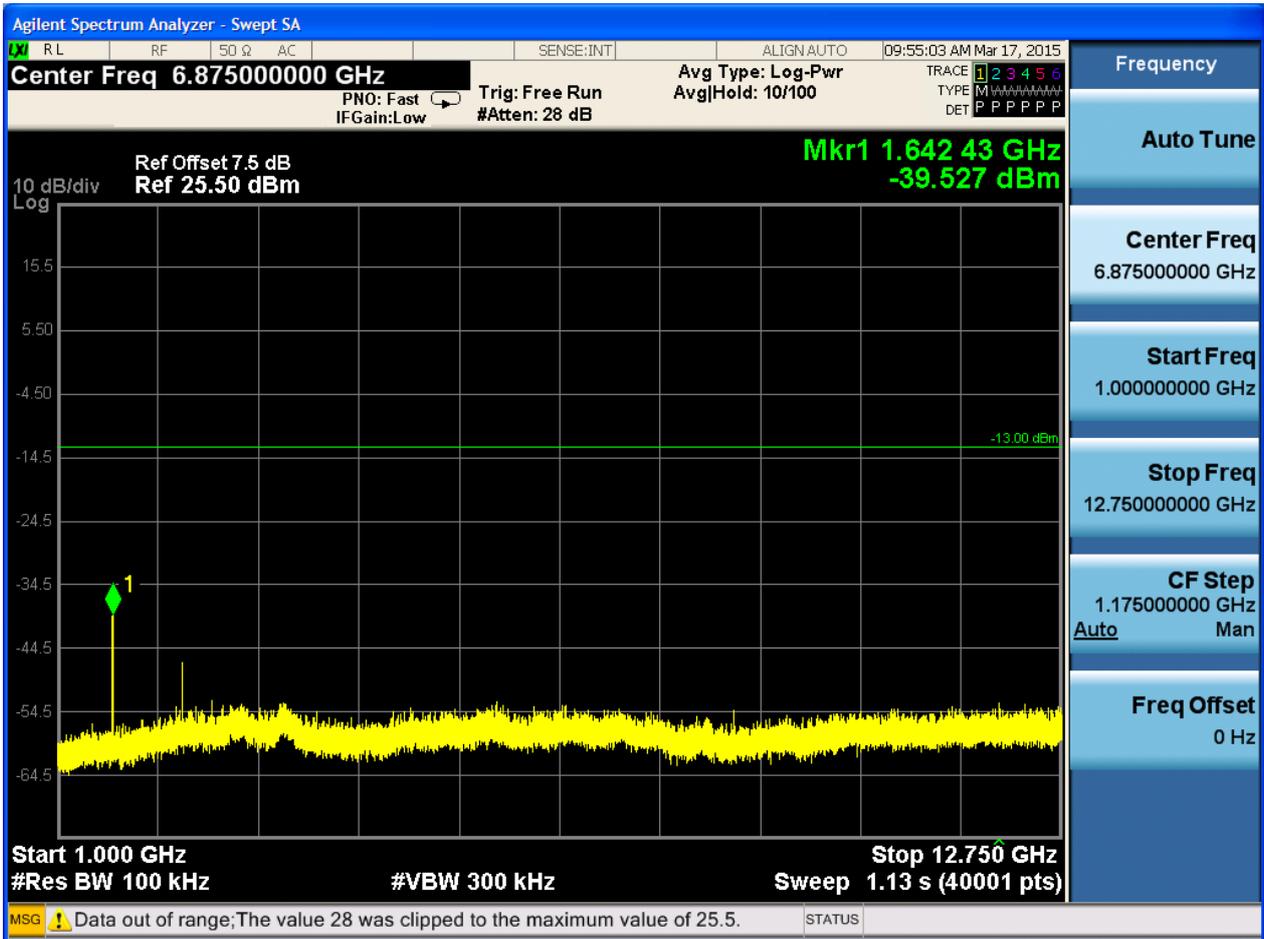










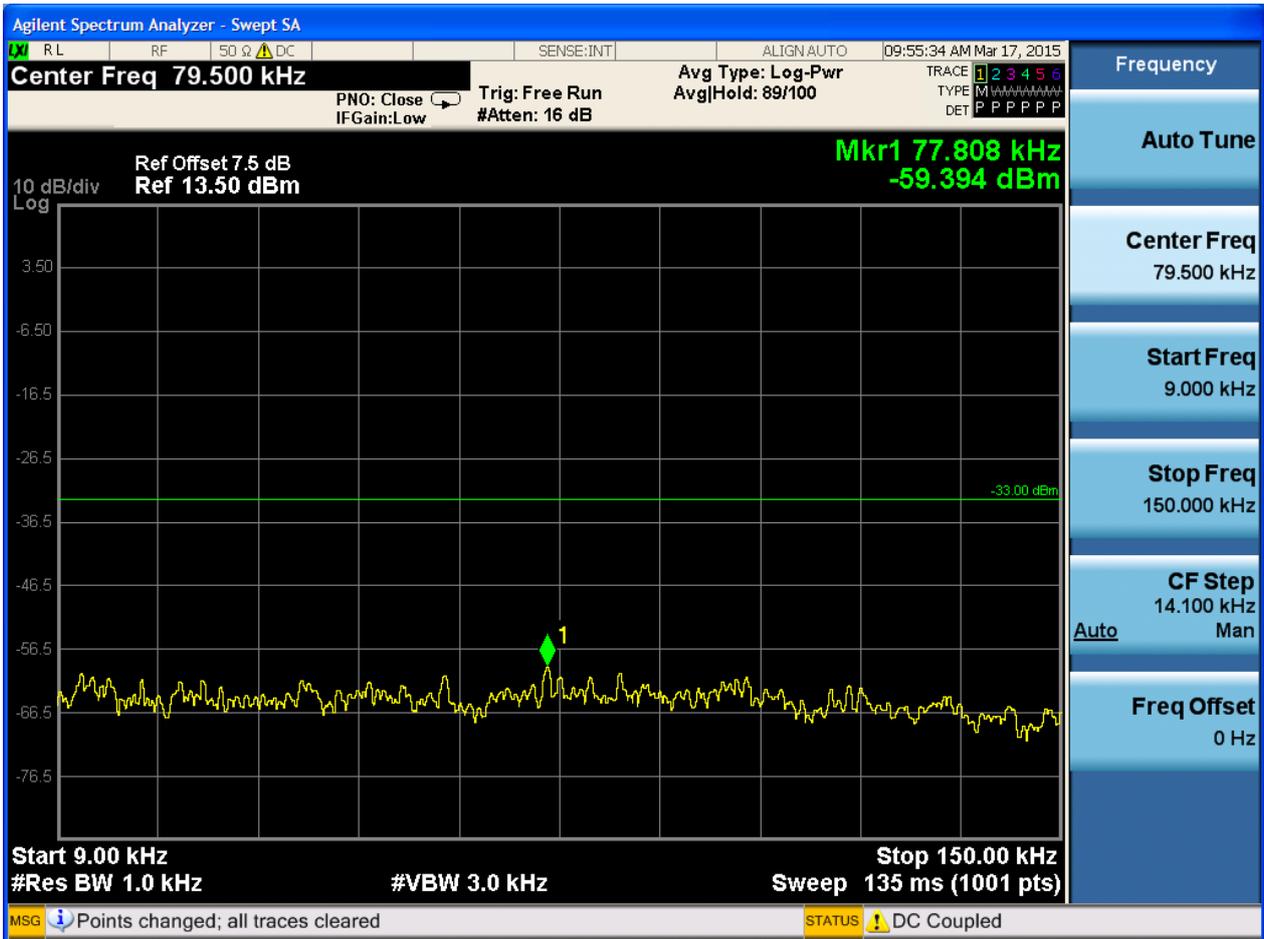


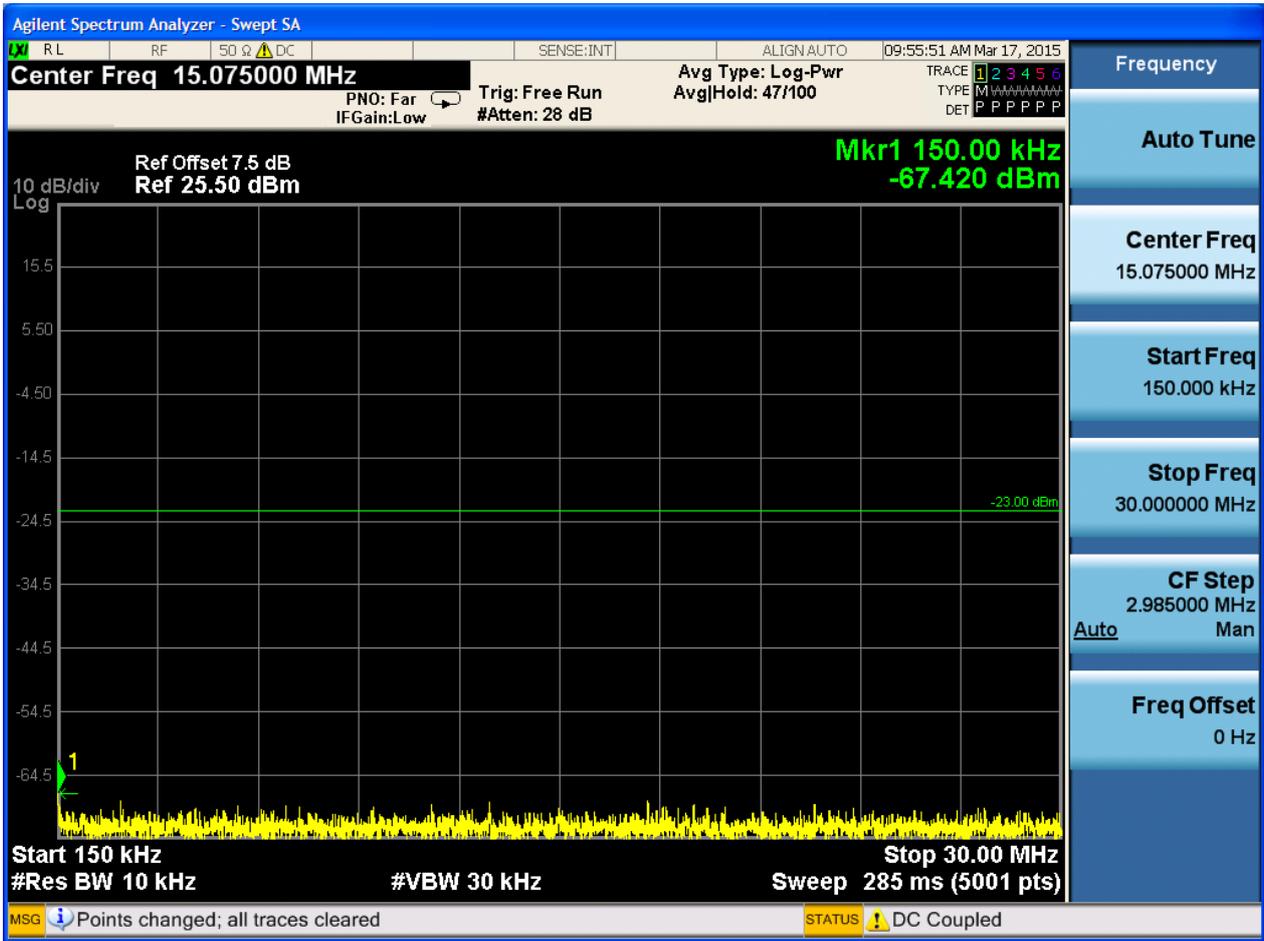


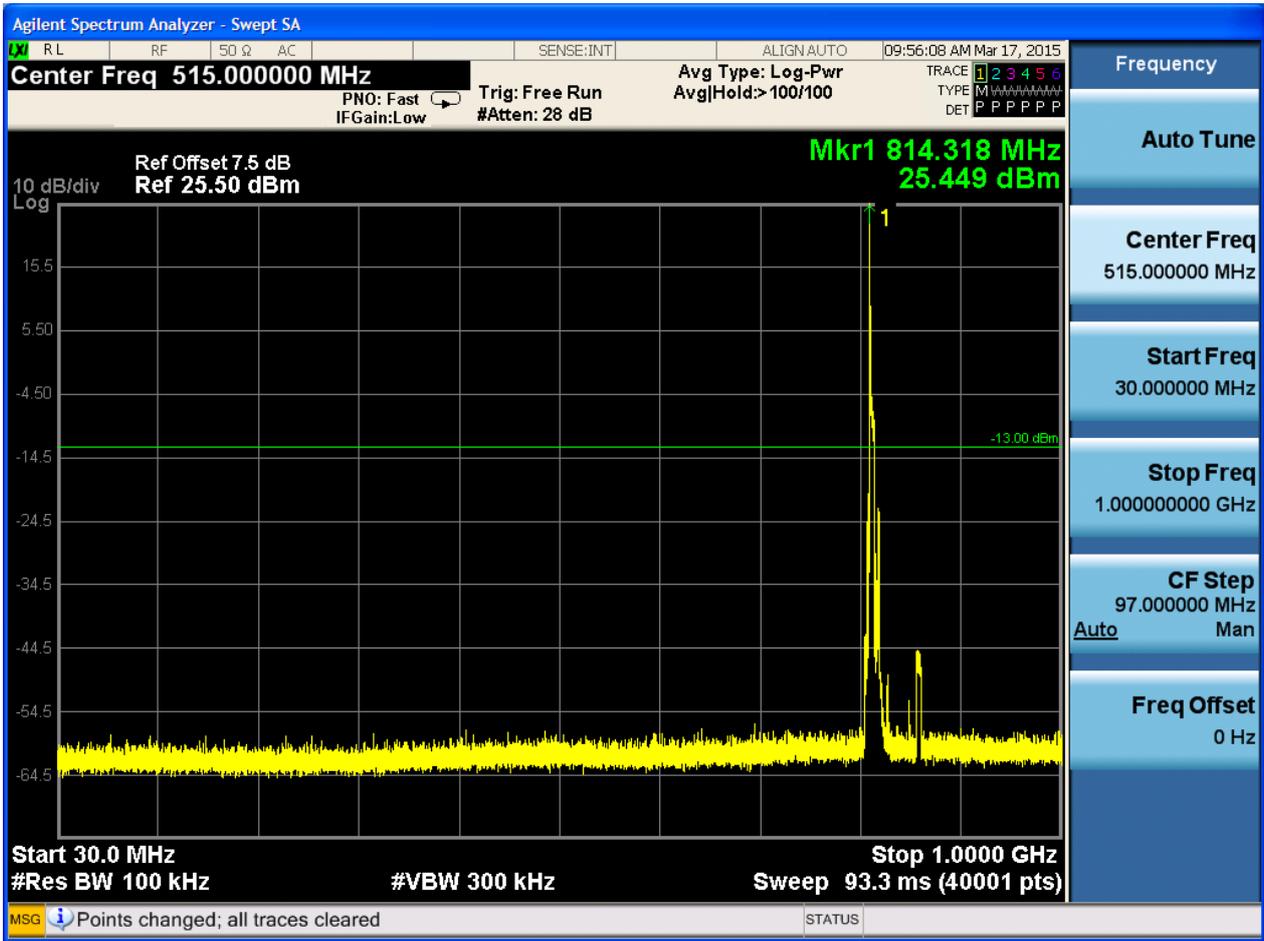
6.1.1.2.3 Test Bandwidth = 5

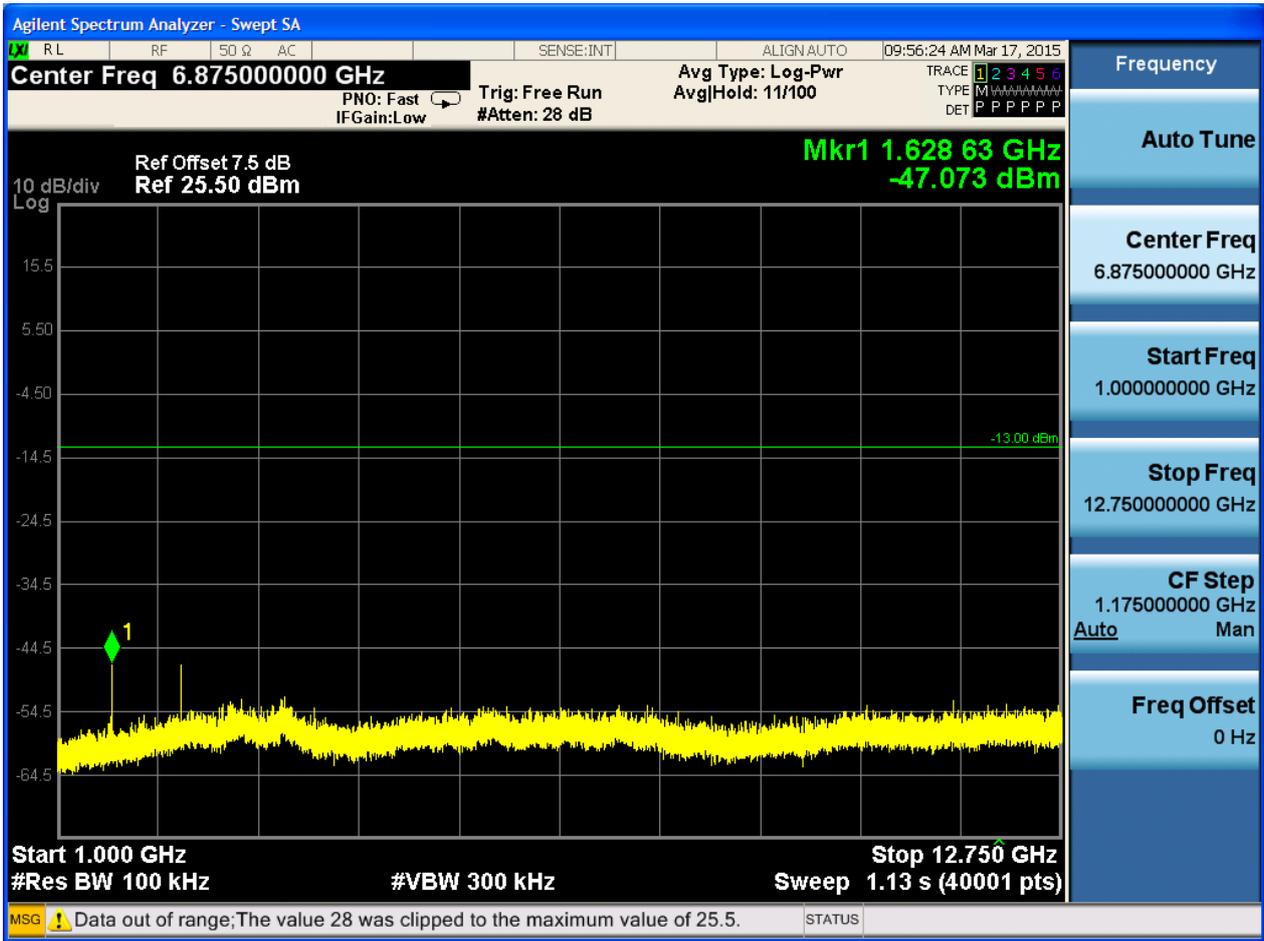
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





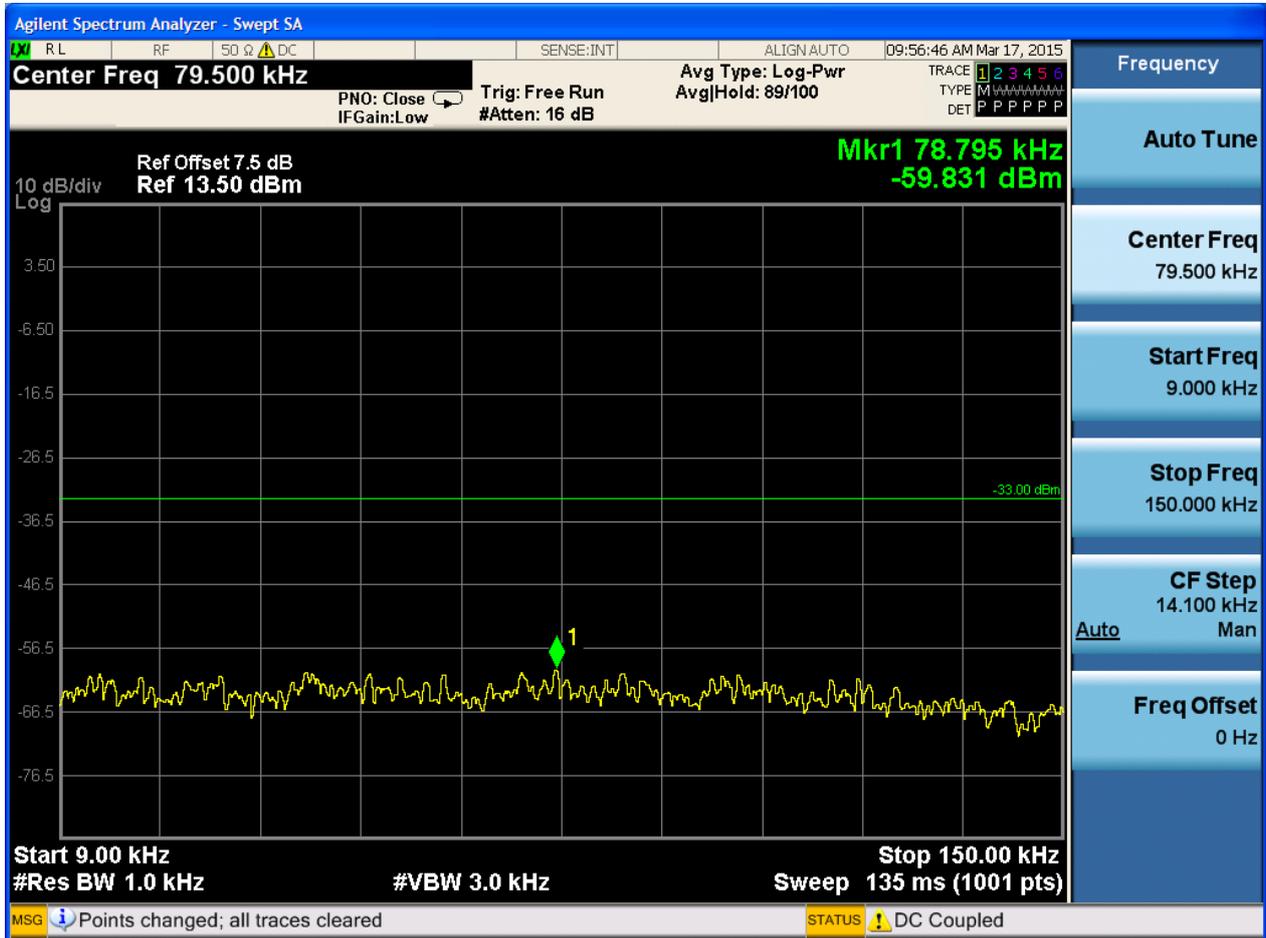




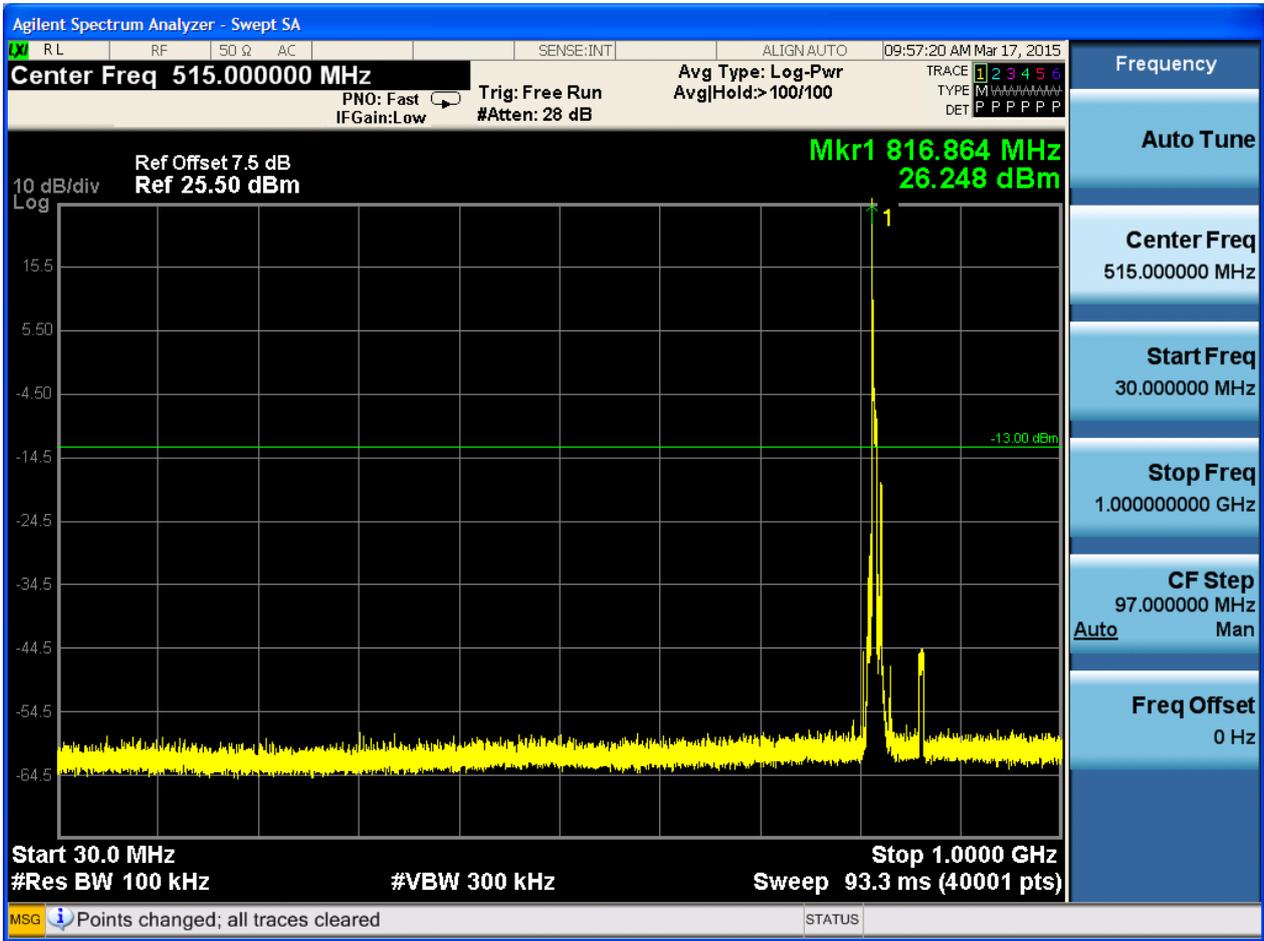


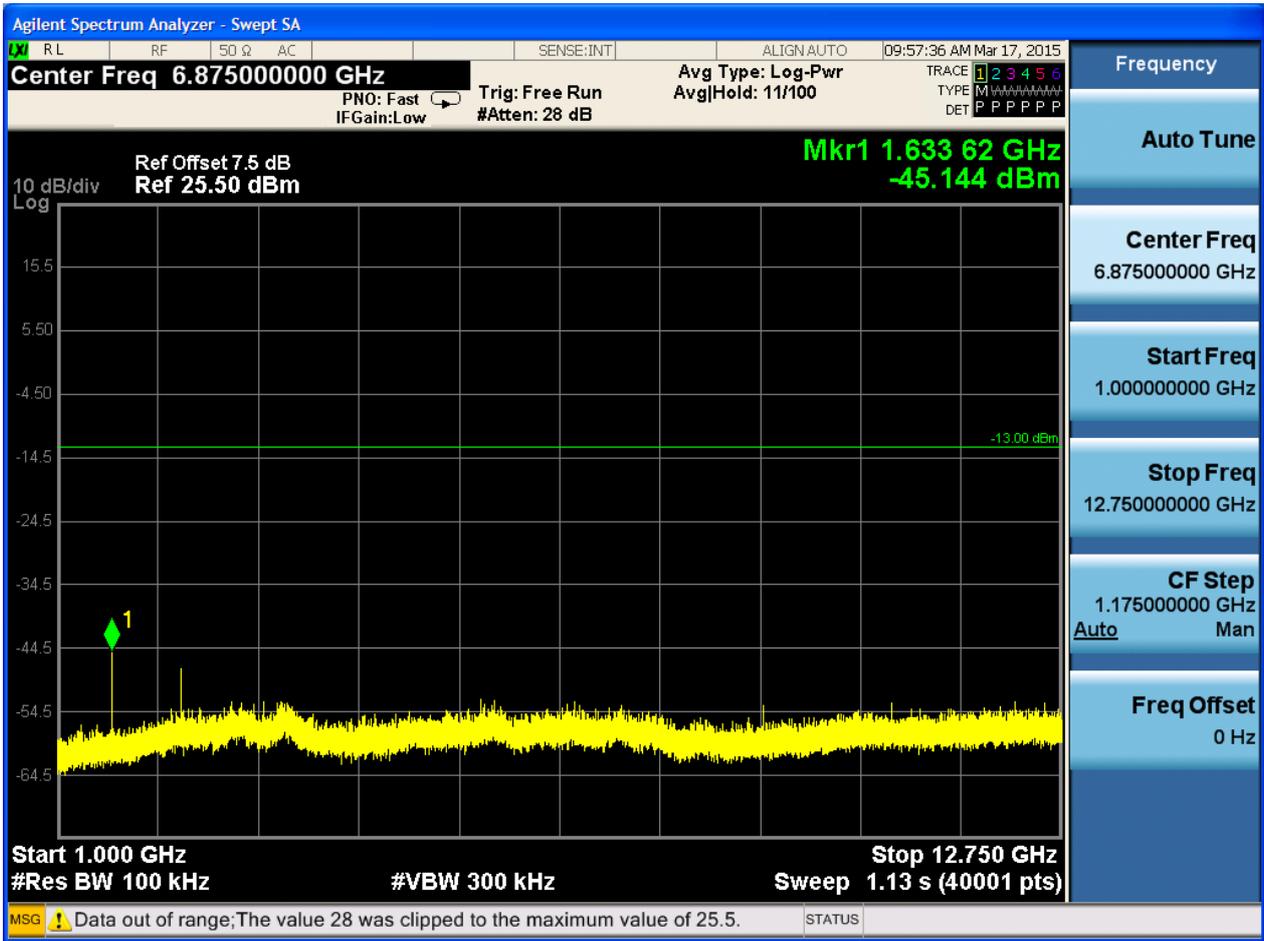
### 6.1.1.2.3.2 Test Channel = MCH

#### 6.1.1.2.3.2.1 Test RB = RB1#0





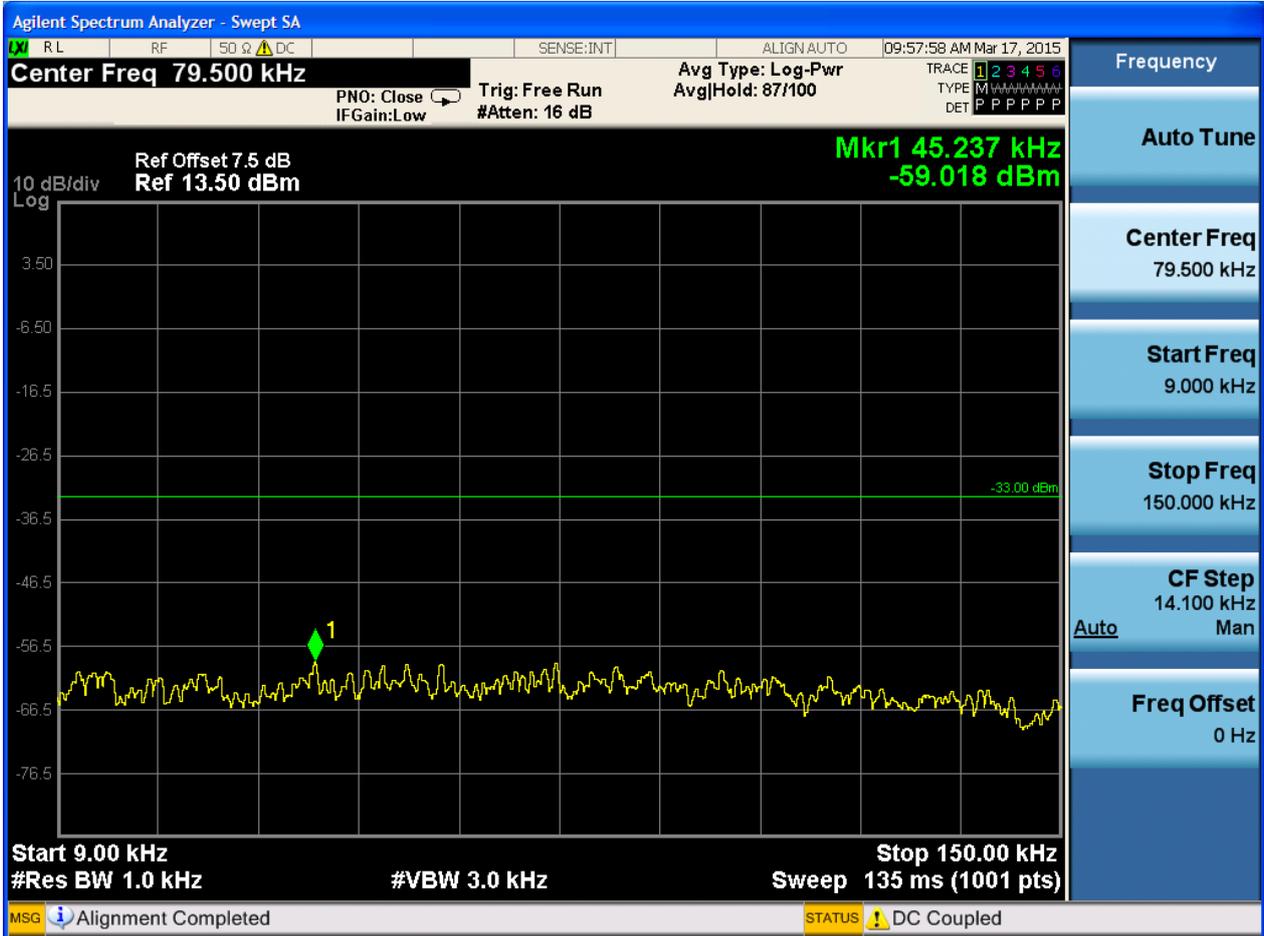




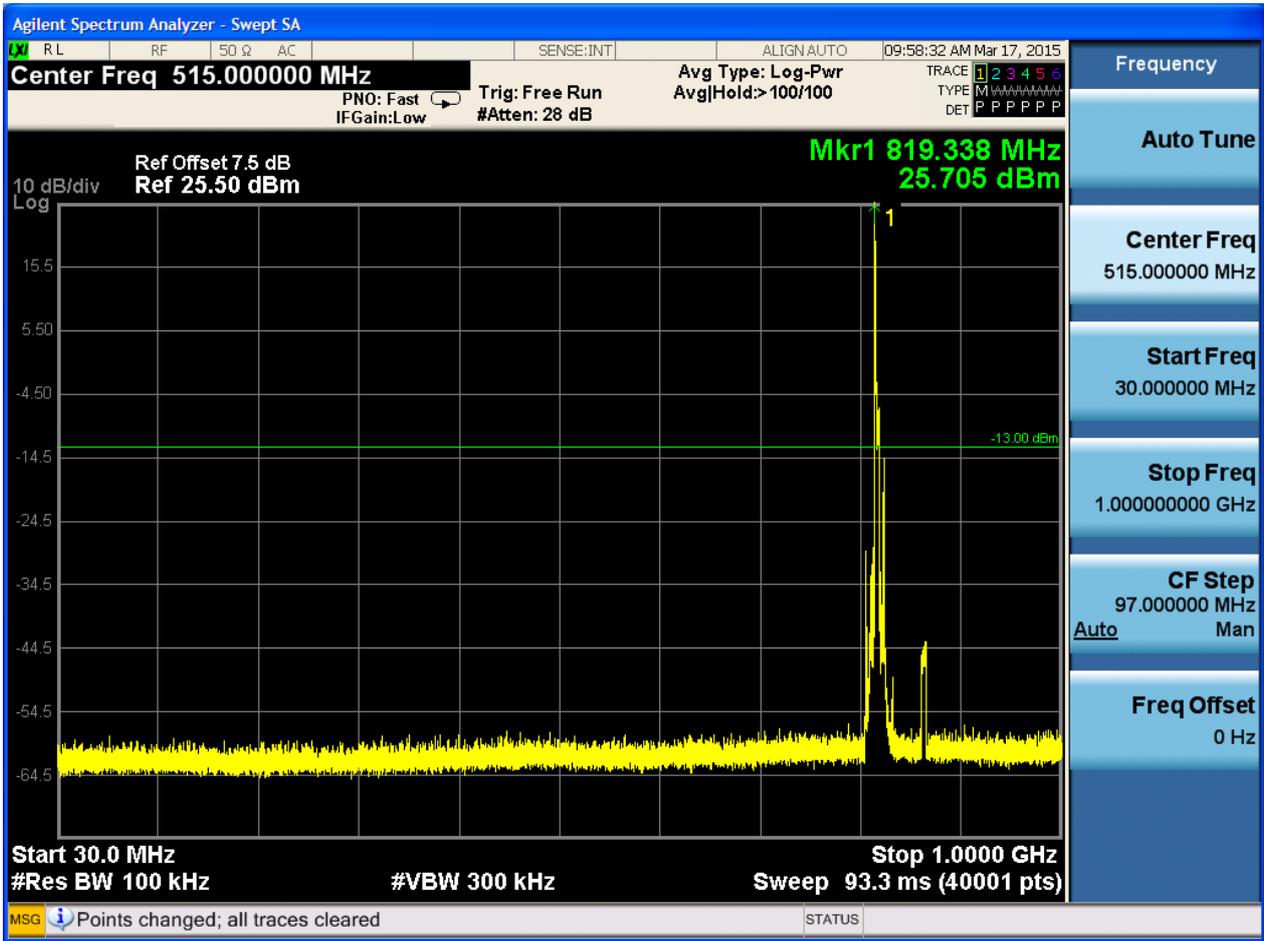


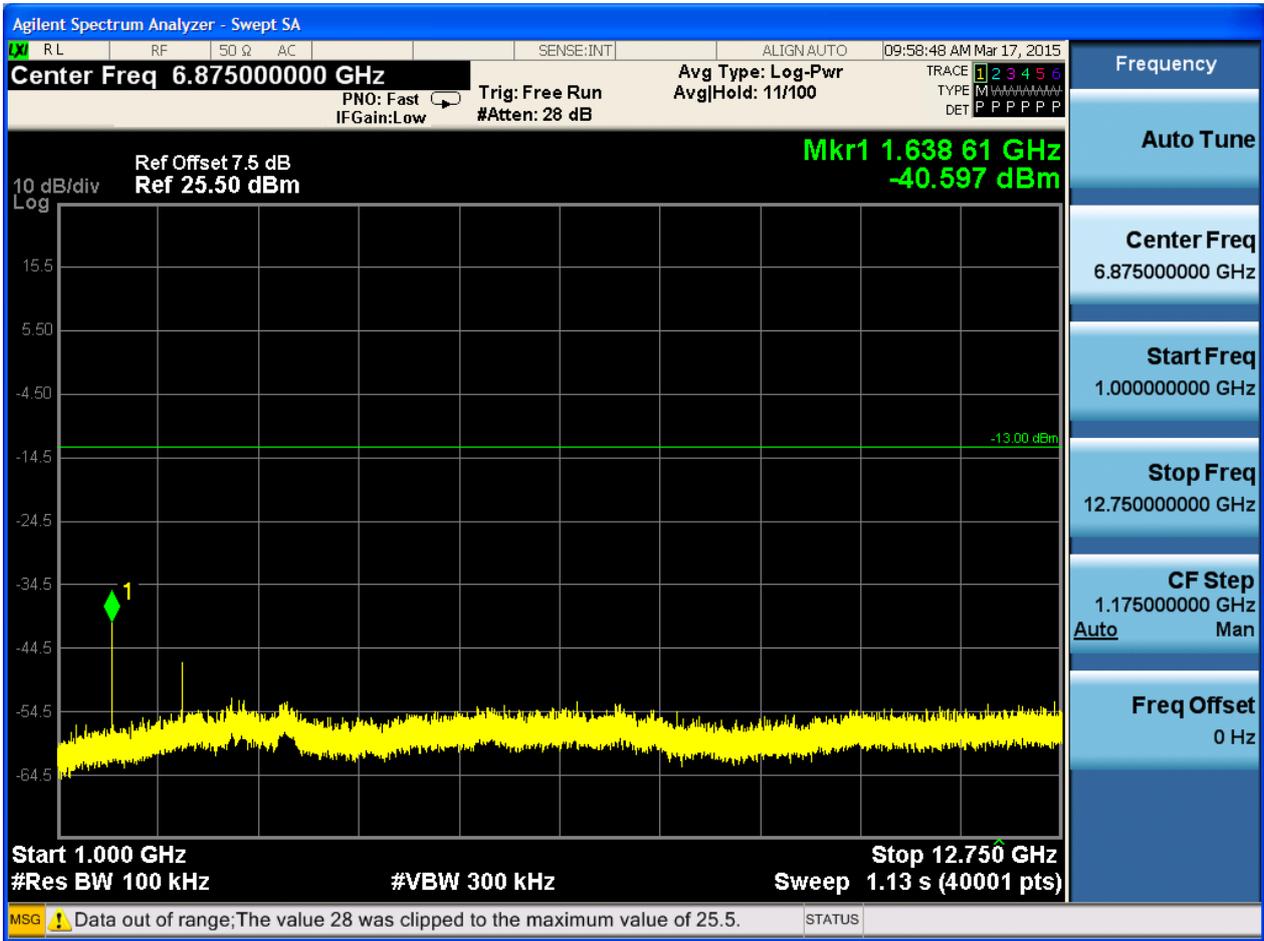
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







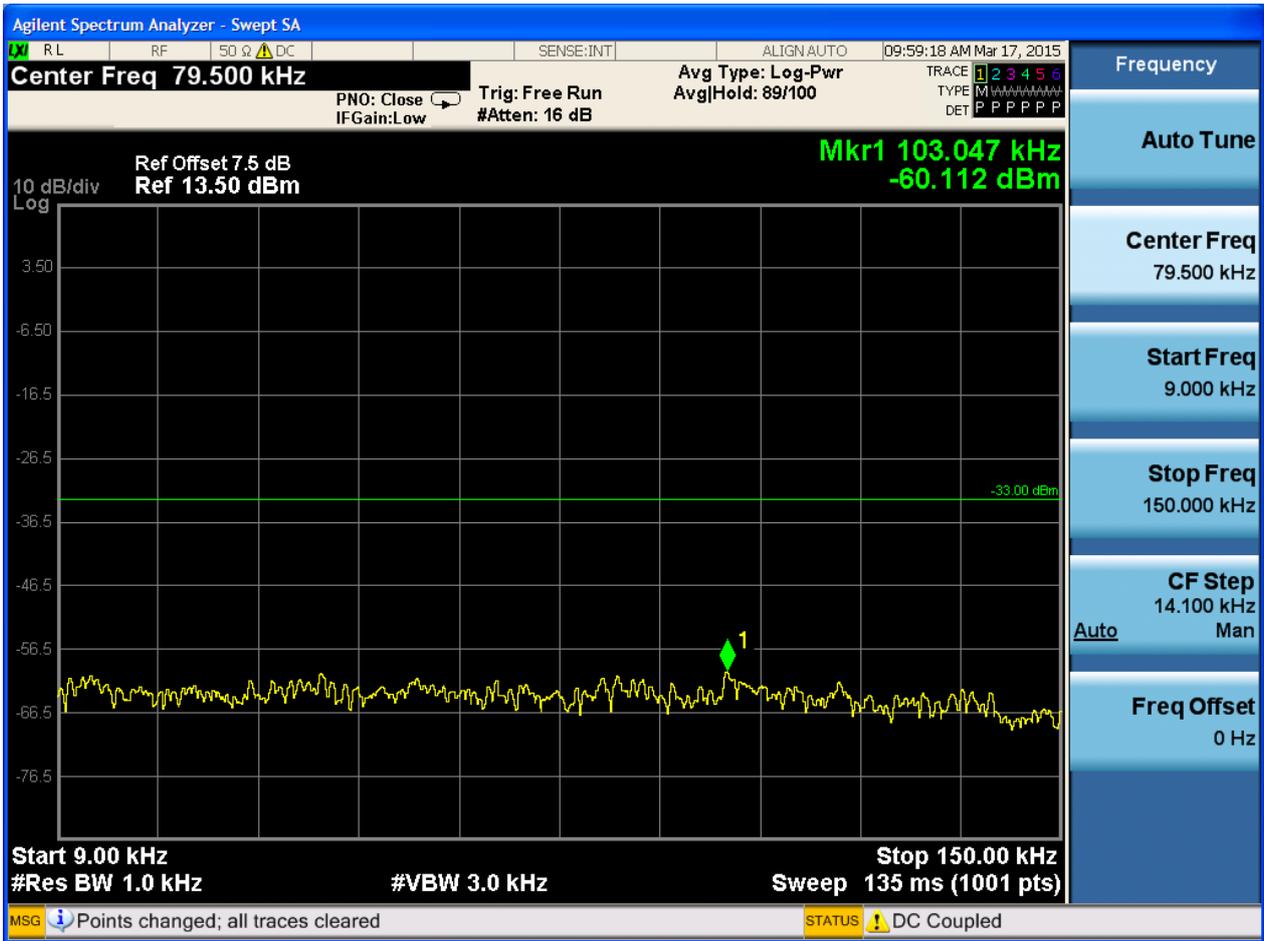




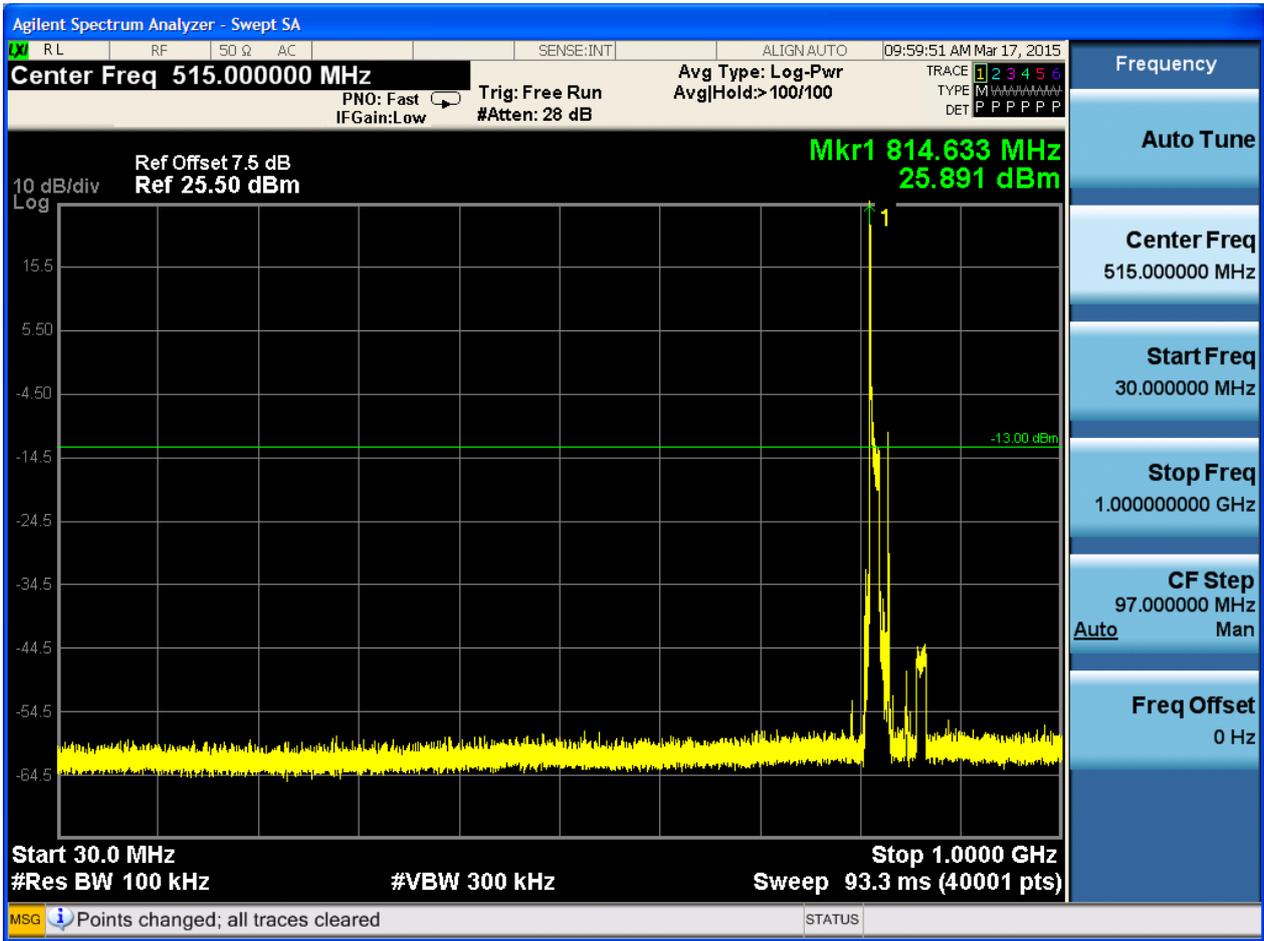
6.1.1.2.4 Test Bandwidth = 10

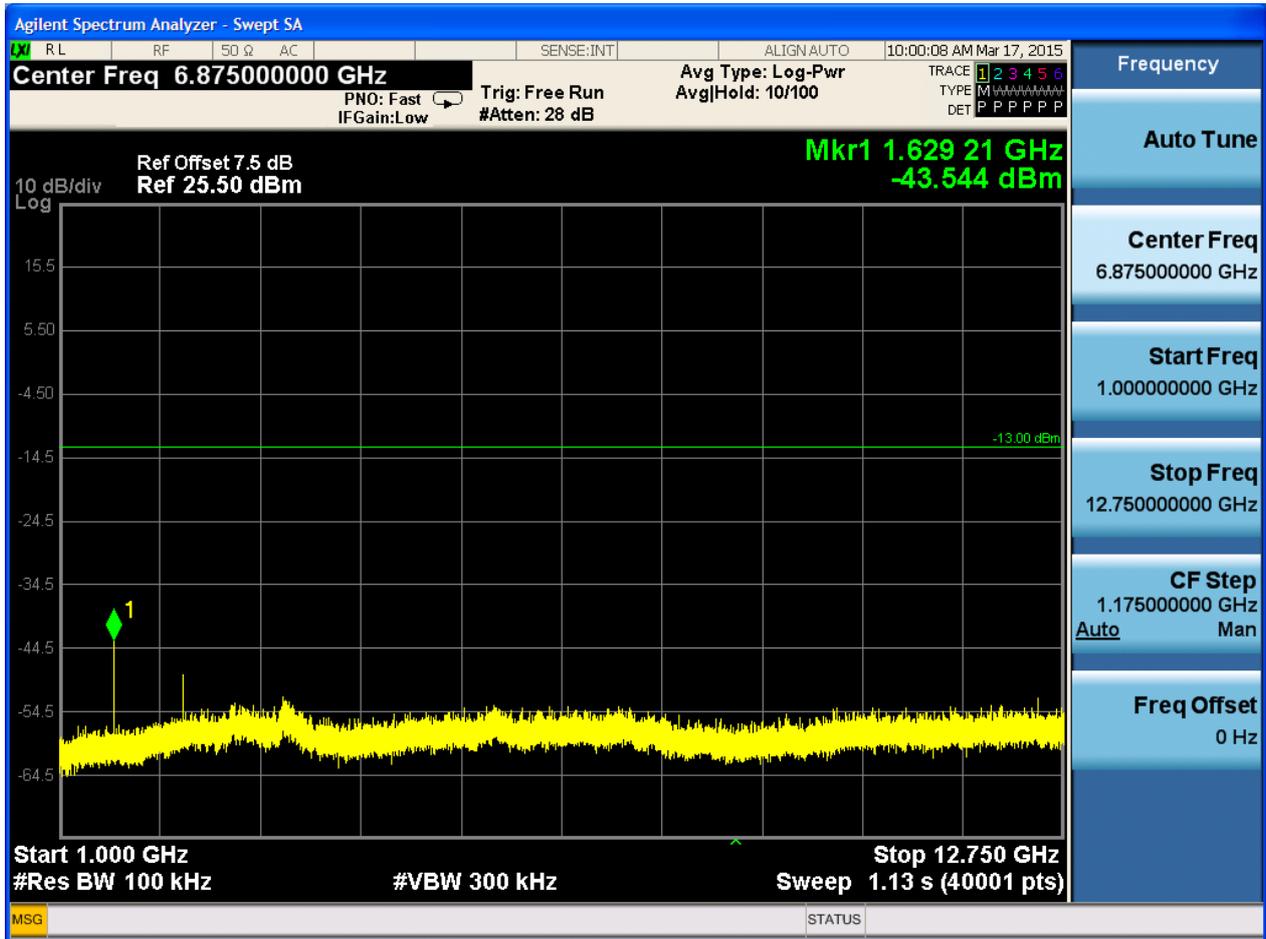
6.1.1.2.4.1 Test Channel = LCH/MCH/HCH

6.1.1.2.4.1.1 Test RB = RB1#0









## 7Appendix\_G: Field Strength of Spurious Radiation

Note:

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

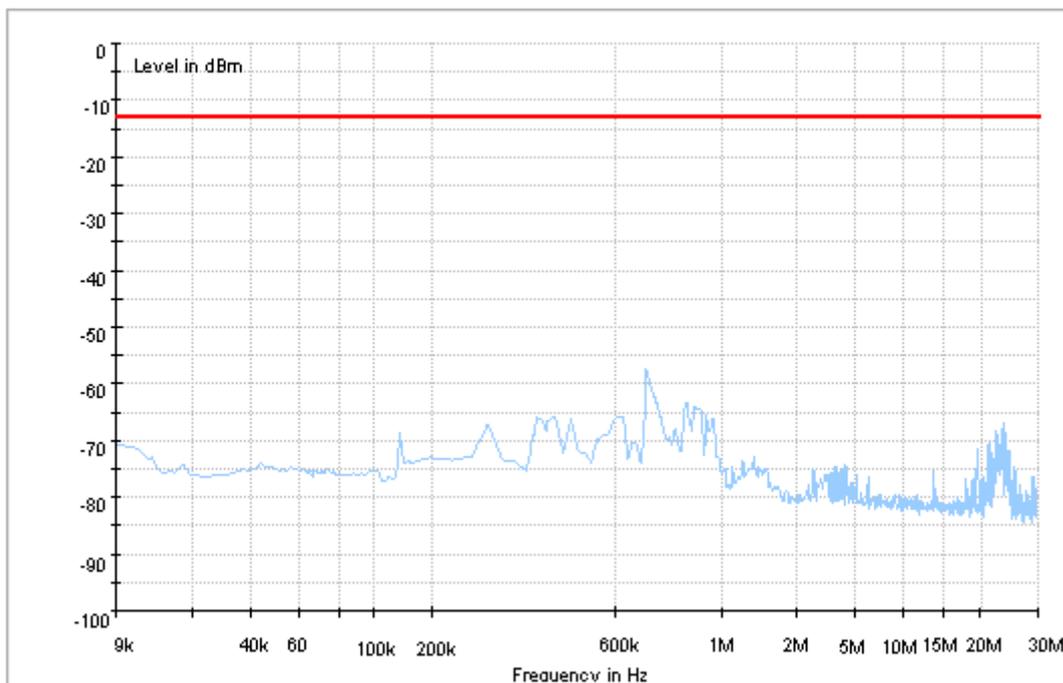
We tested all modes, but the data presented below is the worst case.

### Part I - Test Plots

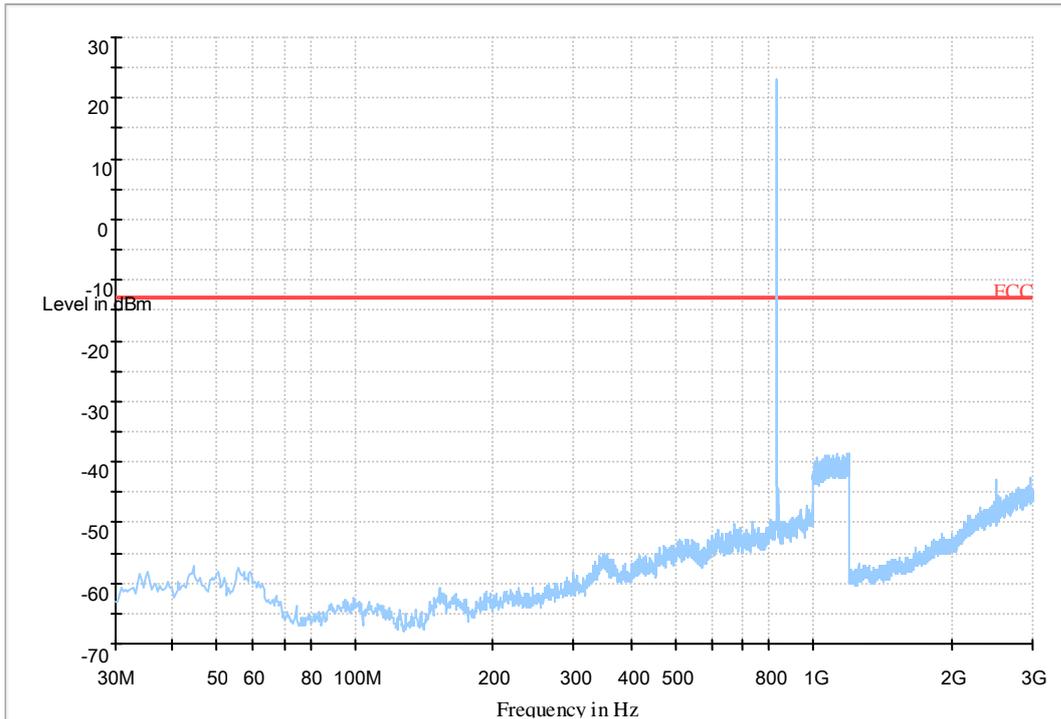
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND26

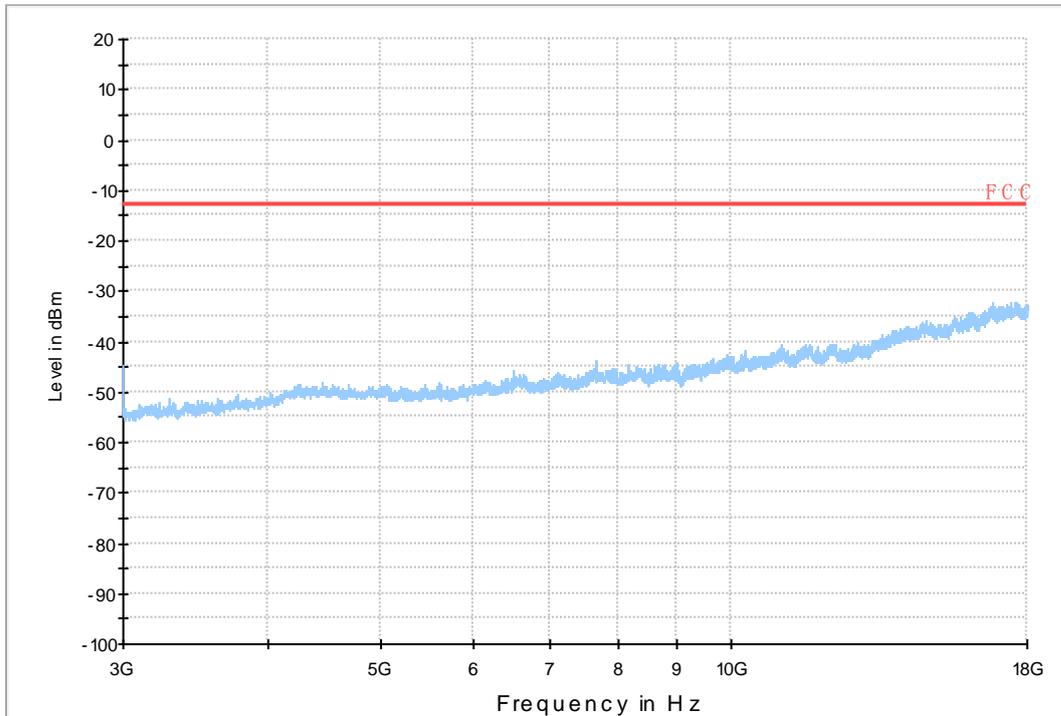
##### 7.1.1.1 Test Bandwidth = 1.4



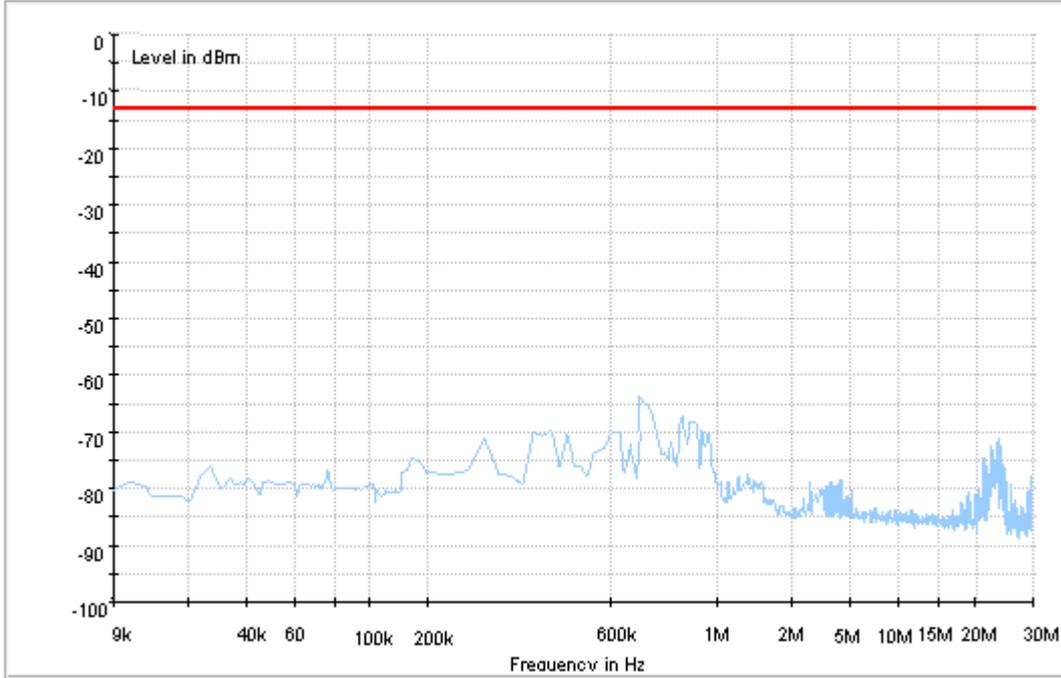
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



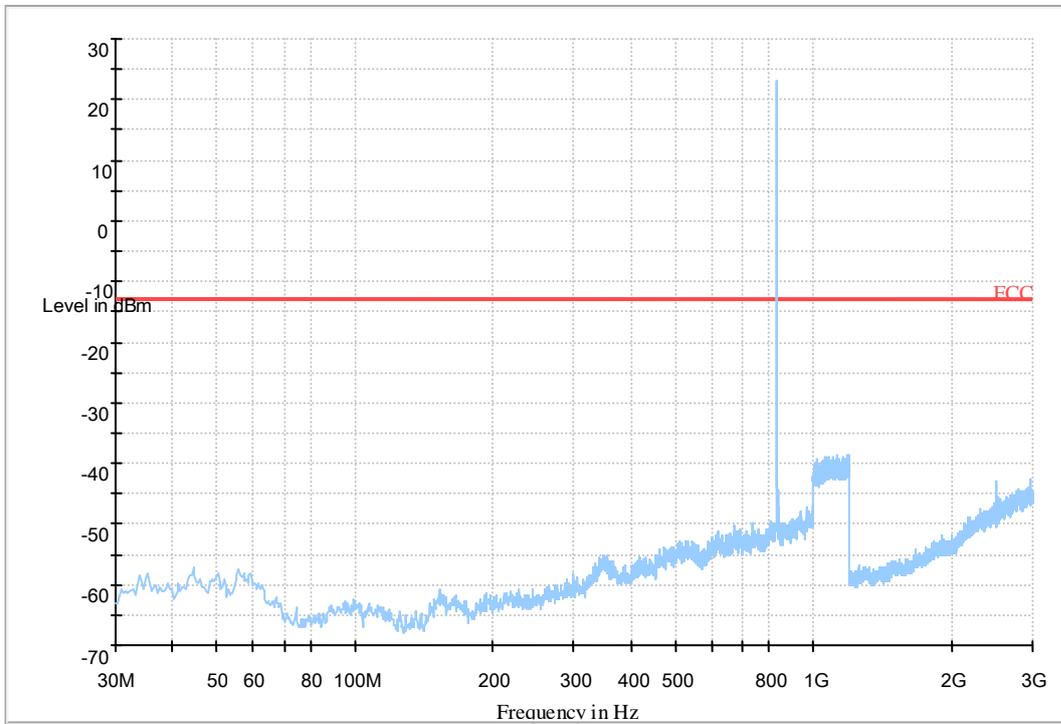
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



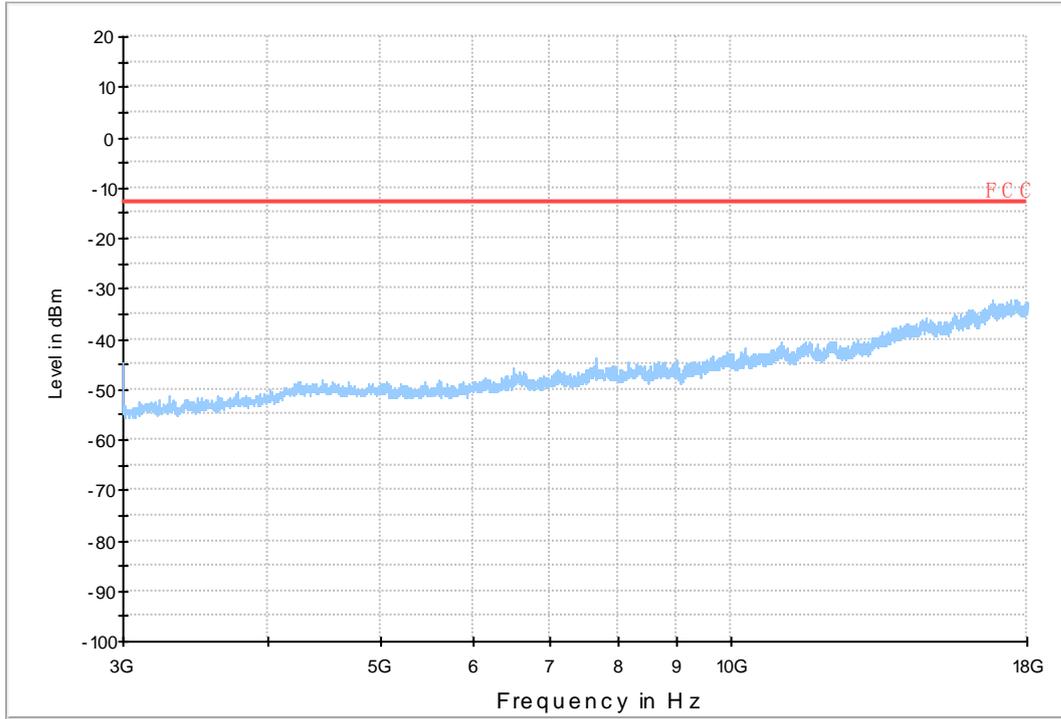
### 7.1.1.2 Test Bandwidth = 5



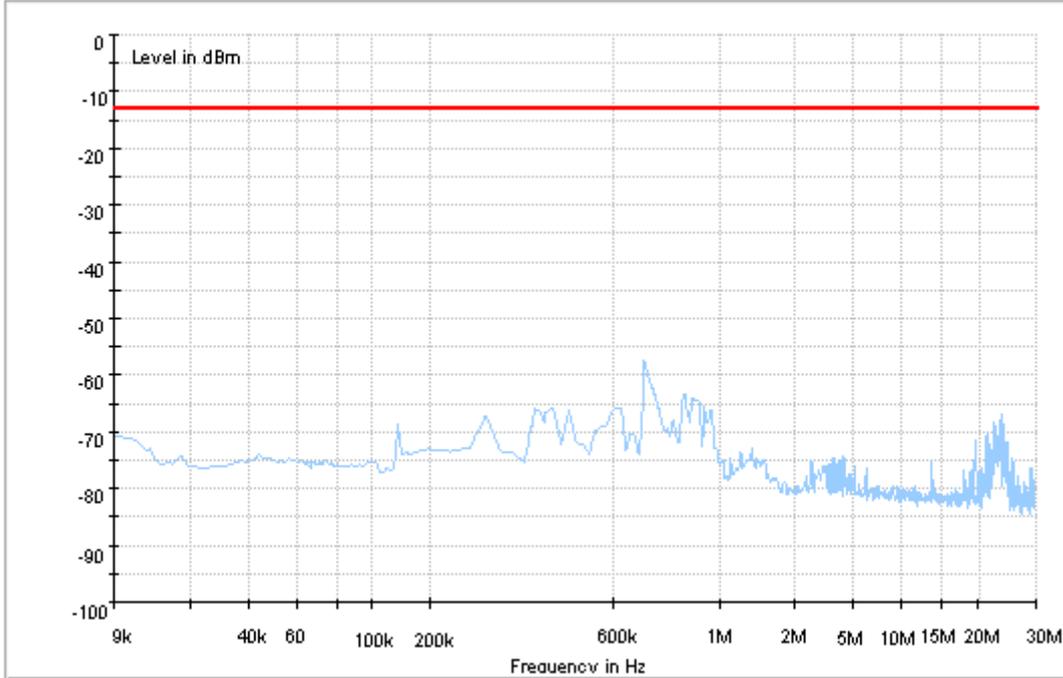
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



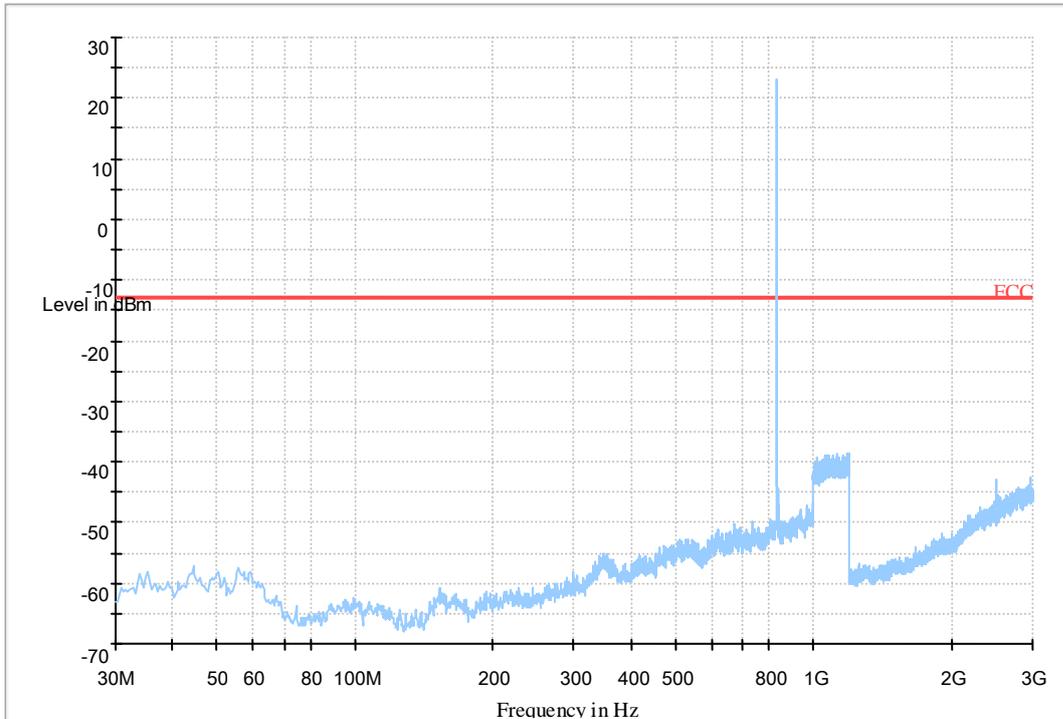
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



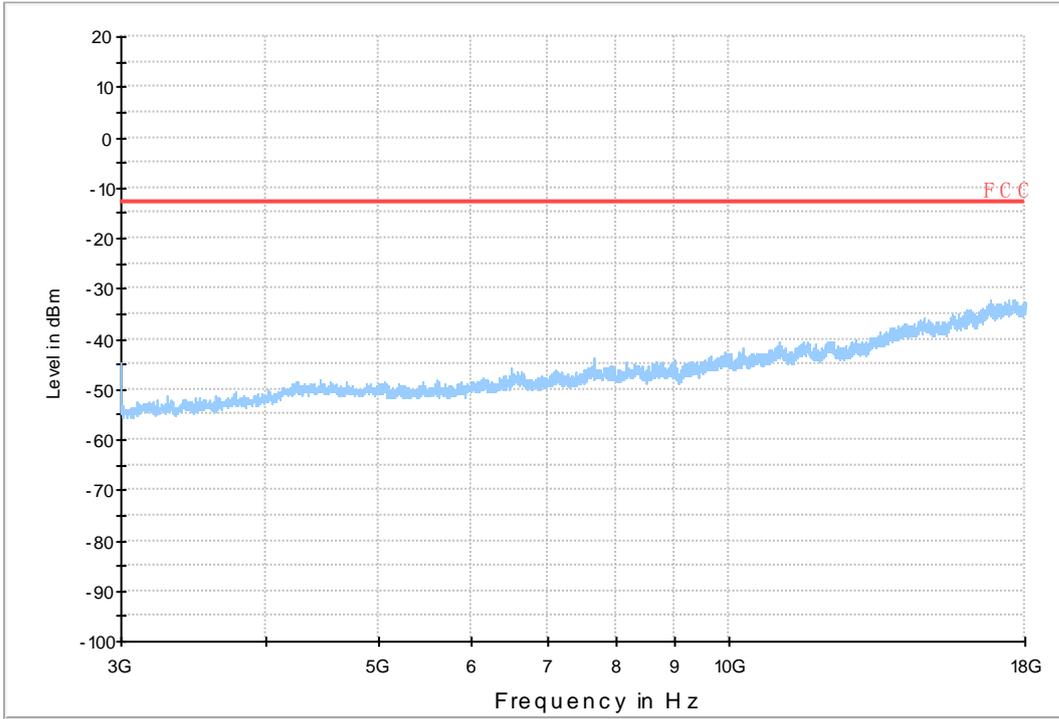
### 7.1.1.3 Test Bandwidth = 10



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	-1.06	-0.0013	PASS
					VN	1.16	0.00142	PASS
					VH	0.6	0.00074	PASS
			MCH	TN	VL	6.61	0.00807	PASS
					VN	9.36	0.01143	PASS
					VH	-3.38	-0.00413	PASS
			HCH	TN	VL	0.01	0.00001	PASS
					VN	-5.42	-0.00658	PASS
					VH	0.67	0.00081	PASS
		3	LCH	TN	VL	1.24	0.00152	PASS
					VN	-0.92	-0.00113	PASS
					VH	4.06	0.00498	PASS
			MCH	TN	VL	2.6	0.00317	PASS
					VN	-1.16	-0.00142	PASS
					VH	0.76	0.00093	PASS
			HCH	TN	VL	3.2	0.00389	PASS
					VN	-0.86	-0.00105	PASS
					VH	-1.13	-0.00137	PASS
		5	LCH	TN	VL	3.99	0.00489	PASS
					VN	3.32	0.00407	PASS
					VH	2.57	0.00315	PASS
			MCH	TN	VL	-1.39	-0.0017	PASS
					VN	1.27	0.00155	PASS
					VH	0.6	0.00073	PASS
			HCH	TN	VL	1.24	0.00151	PASS
					VN	-0.1	-0.00012	PASS
					VH	2.75	0.00335	PASS
		10	LCH/ MCH/ HCH	TN	VL	0.31	0.00038	PASS
					VN	0.37	0.00045	PASS
					VH	0.27	0.00033	PASS

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	TN	VL	-0.24	-0.00029	PASS
					VN	-0.24	-0.00029	PASS
					VH	-1.16	-0.00142	PASS
			MCH	TN	VL	-1.66	-0.00203	PASS
					VN	2	0.00244	PASS
					VH	-2.39	-0.00292	PASS
			HCH	TN	VL	-6.97	-0.00847	PASS
					VN	-0.11	-0.00013	PASS
					VH	0.07	0.00009	PASS
		3	LCH	TN	VL	-0.49	-0.0006	PASS
					VN	2.09	0.00256	PASS
					VH	-1.65	-0.00202	PASS
			MCH	TN	VL	-3.05	-0.00372	PASS
					VN	-3.23	-0.00394	PASS
					VH	0.16	0.0002	PASS
			HCH	TN	VL	2.65	0.00322	PASS
					VN	4.59	0.00558	PASS
					VH	4.45	0.00541	PASS
		5	LCH	TN	VL	1.1	0.00135	PASS
					VN	1.19	0.00146	PASS
					VH	1.52	0.00186	PASS
			MCH	TN	VL	-0.69	-0.00084	PASS
					VN	0.92	0.00112	PASS
					VH	3.53	0.00431	PASS
			HCH	TN	VL	-0.06	-0.00007	PASS
					VN	0.06	0.00007	PASS
					VH	2.36	0.00287	PASS
		10	LCH/ MCH/ HCH	TN	VL	-1.13	-0.00138	PASS
					VN	2.86	0.00349	PASS
					VH	0.24	0.00029	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	-0.19	-0.00023	PASS
					-20	-0.73	-0.0009	PASS
					-10	-1.16	-0.00142	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					0	-3.76	-0.00462	PASS	
					10	-10.04	-0.01232	PASS	
					20	-1.37	-0.00168	PASS	
					30	-6.72	-0.00825	PASS	
					40	-1.7	-0.00209	PASS	
					50	-1.73	-0.00212	PASS	
			MCH	VN	-30	0.87	0.00106	PASS	
					-20	-5.15	-0.00629	PASS	
					-10	3.92	0.00479	PASS	
					0	1.92	0.00234	PASS	
					10	4.09	0.00499	PASS	
					20	1.85	0.00226	PASS	
					30	5.11	0.00624	PASS	
					40	-5.66	-0.00691	PASS	
			HCH	VN	-30	-4.35	-0.00528	PASS	
					-20	-1.59	-0.00193	PASS	
					-10	7.45	0.00905	PASS	
					0	-0.34	-0.00041	PASS	
					10	-1.82	-0.00221	PASS	
					20	-3.92	-0.00476	PASS	
					30	1.65	0.002	PASS	
					40	2.27	0.00276	PASS	
			3	LCH	VN	-30	3	0.00368	PASS
						-20	0.23	0.00028	PASS
						-10	-1.83	-0.00224	PASS
						0	0.07	0.00009	PASS
						10	5.91	0.00725	PASS
						20	-2.99	-0.00367	PASS
						30	3.02	0.0037	PASS
						40	-0.36	-0.00044	PASS
						50	2.57	0.00315	PASS
						MCH	VN	-30	-0.19
			-20	-1.34	-0.00164			PASS	
			-10	0.51	0.00062			PASS	
			0	3.83	0.00468			PASS	
			10	0.86	0.00105			PASS	
20	5.99	0.00731	PASS						

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	-0.49	-0.0006	PASS		
					40	2.05	0.0025	PASS		
					50	0.89	0.00109	PASS		
			HCH	VN	-30	1.54	0.00187	PASS		
					-20	3.46	0.00421	PASS		
					-10	2.47	0.003	PASS		
					0	1.06	0.00129	PASS		
					10	1.95	0.00237	PASS		
					20	-2.55	-0.0031	PASS		
					30	4.21	0.00512	PASS		
					40	1.5	0.00182	PASS		
					50	-1.75	-0.00213	PASS		
					LCH	VN	-30	0.87	0.00107	PASS
							-20	0.21	0.00026	PASS
							-10	-0.5	-0.00061	PASS
		0	-0.67	-0.00082			PASS			
		10	2.33	0.00285			PASS			
		20	0.51	0.00062			PASS			
		30	0.94	0.00115			PASS			
		40	-0.76	-0.00093			PASS			
		50	-0.2	-0.00024			PASS			
		MCH	VN	-30	-1.54	-0.00188	PASS			
				-20	0.63	0.00077	PASS			
				-10	-3.6	-0.0044	PASS			
				0	-2.02	-0.00247	PASS			
				10	-4.19	-0.00512	PASS			
				20	1.17	0.00143	PASS			
				30	-2.62	-0.0032	PASS			
				40	2.6	0.00317	PASS			
				50	-0.56	-0.00068	PASS			
		HCH	VN	-30	-0.77	-0.00094	PASS			
				-20	-2.16	-0.00263	PASS			
				-10	-1.5	-0.00183	PASS			
				0	1.03	0.00125	PASS			
				10	0.37	0.00045	PASS			
				20	-1.77	-0.00215	PASS			
				30	-1.7	-0.00207	PASS			
				40	-2.75	-0.00335	PASS			
				50	-2.29	-0.00279	PASS			
		5								

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		10	LCH/ MCH/ HCH	VN	-30	0.31	0.00038	PASS	
					-20	0.94	0.00115	PASS	
					-10	-0.77	-0.00094	PASS	
					0	2.78	0.00339	PASS	
					10	-2.75	-0.00336	PASS	
					20	1.03	0.00126	PASS	
					30	3.36	0.0041	PASS	
					40	3.86	0.00471	PASS	
					50	2.39	0.00292	PASS	
	LTE/TM2		1.4	LCH	VN	-30	1.23	0.00151	PASS
						-20	-8.38	-0.01029	PASS
						-10	0.41	0.0005	PASS
						0	-0.17	-0.00021	PASS
						10	-2.15	-0.00264	PASS
						20	0.26	0.00032	PASS
						30	0.21	0.00026	PASS
						40	-4.16	-0.00511	PASS
						50	-0.31	-0.00038	PASS
				MCH	VN	-30	-2.89	-0.00353	PASS
						-20	-2.57	-0.00314	PASS
						-10	3.63	0.00443	PASS
						0	-2.12	-0.00259	PASS
						10	-6.61	-0.00807	PASS
						20	0.84	0.00103	PASS
						30	-5.04	-0.00615	PASS
						40	-5.88	-0.00718	PASS
						50	2.22	0.00271	PASS
		HCH	VN	-30	-3.92	-0.00476	PASS		
				-20	3.48	0.00423	PASS		
				-10	2.79	0.00339	PASS		
				0	-0.11	-0.00013	PASS		
				10	-9.47	-0.0115	PASS		
				20	-3.86	-0.00469	PASS		
30				4.96	0.00602	PASS			
40				0.3	0.00036	PASS			
50				-6.28	-0.00763	PASS			
3	LCH	VN	-30	0.27	0.00033	PASS			
			-20	-1.16	-0.00142	PASS			
			-10	2.72	0.00334	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					0	3.5	0.00429	PASS			
					10	-0.24	-0.00029	PASS			
					20	1.17	0.00143	PASS			
					30	1.14	0.0014	PASS			
					40	1.77	0.00217	PASS			
					50	0.04	0.00005	PASS			
			MCH	VN	-30	-1.65	-0.00201	PASS			
					-20	6.45	0.00788	PASS			
					-10	0.06	0.00007	PASS			
					0	0.77	0.00094	PASS			
					10	3.12	0.00381	PASS			
					20	-0.03	-0.00004	PASS			
					30	-0.97	-0.00118	PASS			
					40	-1.46	-0.00178	PASS			
			HCH	VN	-30	-3.2	-0.00389	PASS			
					-20	2.23	0.00271	PASS			
					-10	2.47	0.003	PASS			
					0	2.32	0.00282	PASS			
					10	1.9	0.00231	PASS			
					20	-1.62	-0.00197	PASS			
					30	-0.64	-0.00078	PASS			
					40	-0.44	-0.00053	PASS			
			5			LCH	VN	-30	-1.97	-0.00241	PASS
								-20	-4.58	-0.00561	PASS
								-10	1.7	0.00208	PASS
								0	1.65	0.00202	PASS
								10	1.3	0.00159	PASS
								20	1.32	0.00162	PASS
								30	0.09	0.00011	PASS
						40	2.16	0.00265	PASS		
						50	5.56	0.00681	PASS		
						MCH	VN	-30	-2	-0.00244	PASS
								-20	-1.22	-0.00149	PASS
								-10	2.45	0.00299	PASS
								0	0.27	0.00033	PASS
								10	-1.43	-0.00175	PASS
			20	-0.17	-0.00021			PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	1.59	0.00194	PASS
					40	5.26	0.00642	PASS
					50	2.45	0.00299	PASS
			HCH	VN	-30	1.26	0.00153	PASS
					-20	-0.09	-0.00011	PASS
					-10	4.21	0.00512	PASS
					0	0.64	0.00078	PASS
					10	1.99	0.00242	PASS
					20	-3.52	-0.00428	PASS
					30	3.38	0.00411	PASS
		40	1.85	0.00225	PASS			
		50	-0.27	-0.00033	PASS			
		10	LCH/ MCH/ HCH	VN	-30	-0.19	-0.00023	PASS
					-20	0.04	0.00005	PASS
					-10	-3.83	-0.00468	PASS
					0	0.56	0.00068	PASS
					10	0.43	0.00053	PASS
					20	-3.19	-0.00389	PASS
					30	0.07	0.00009	PASS
					40	-5.55	-0.00678	PASS
50	1.65				0.00201	PASS		

END