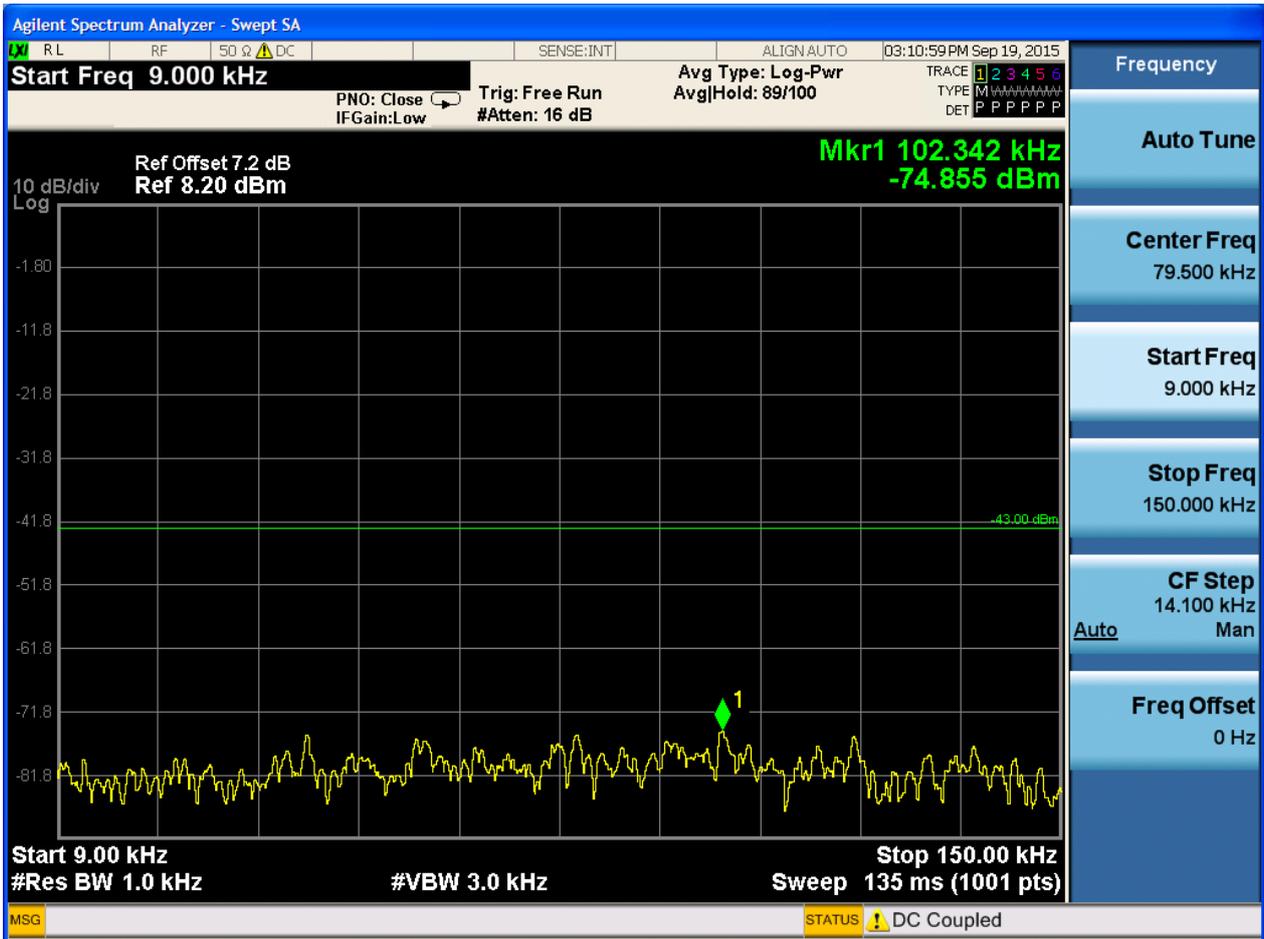


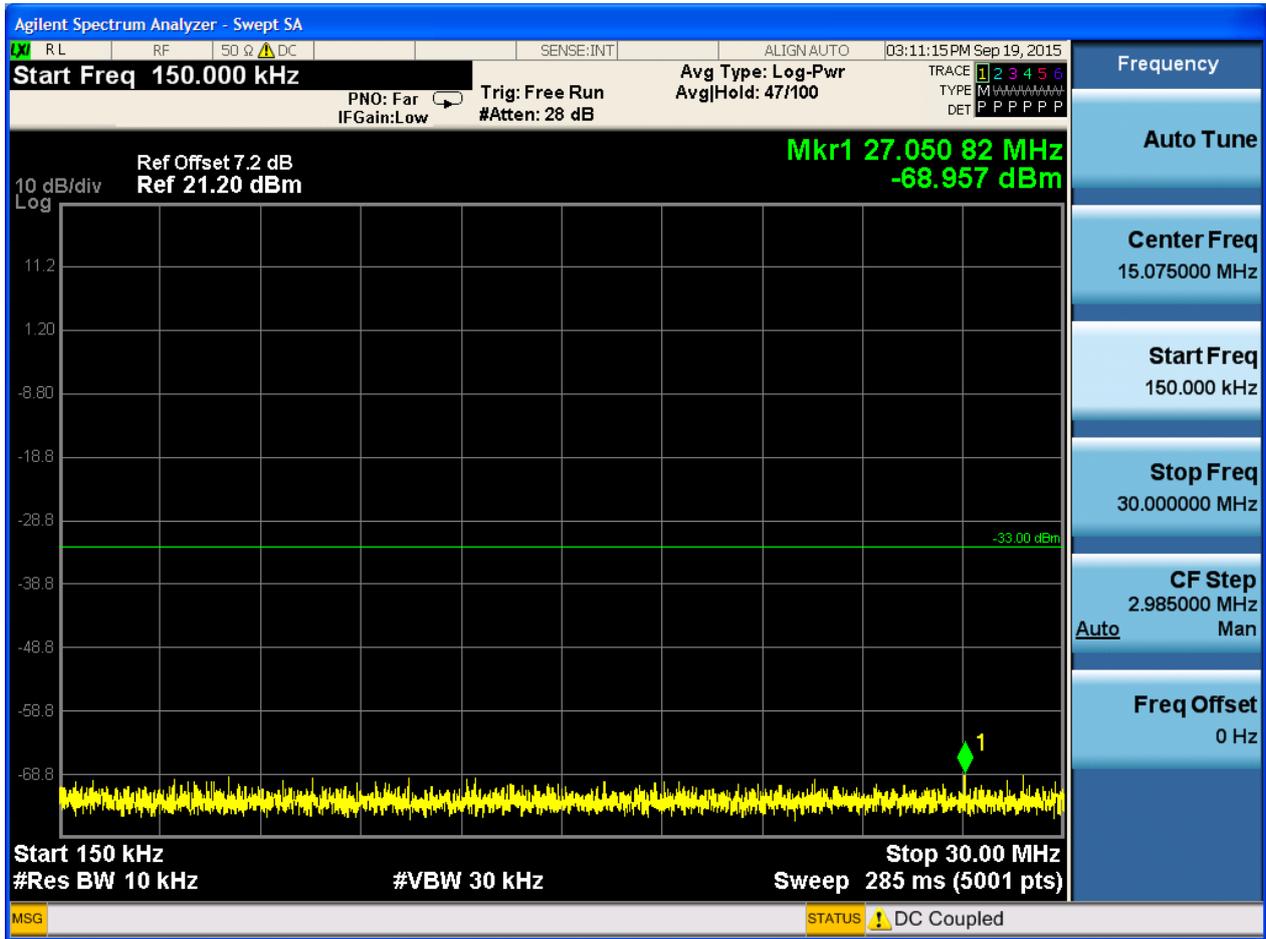


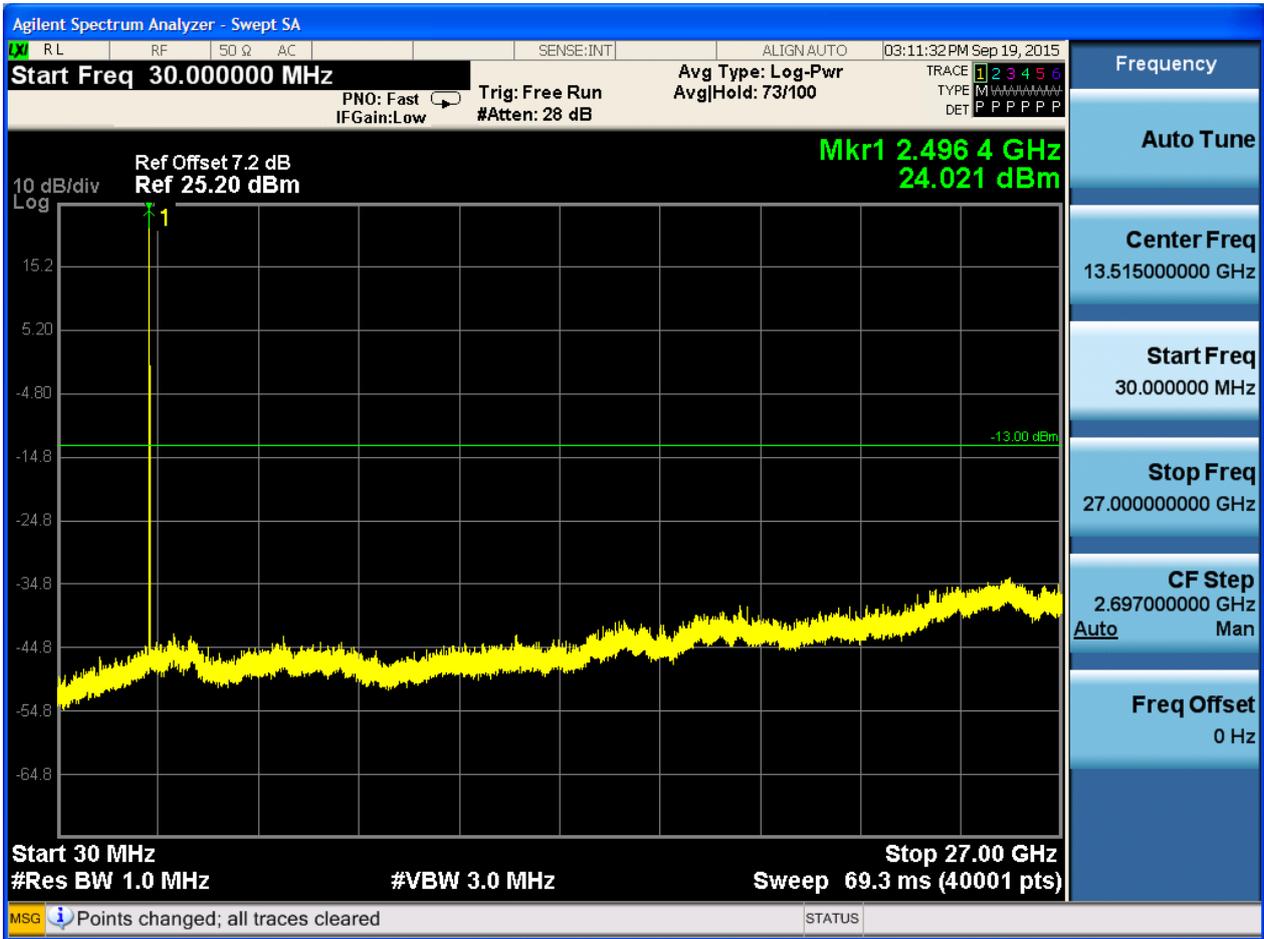
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



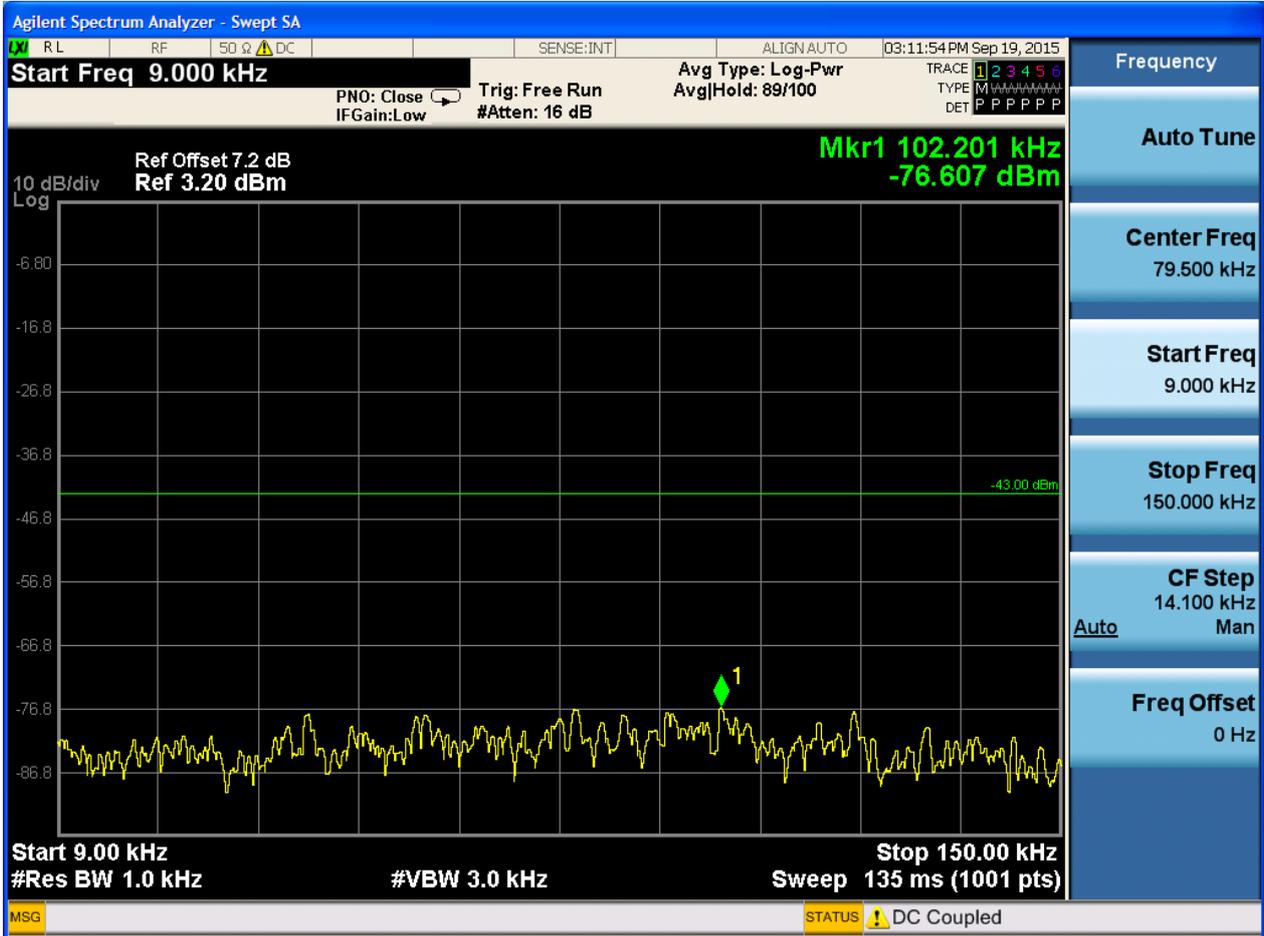


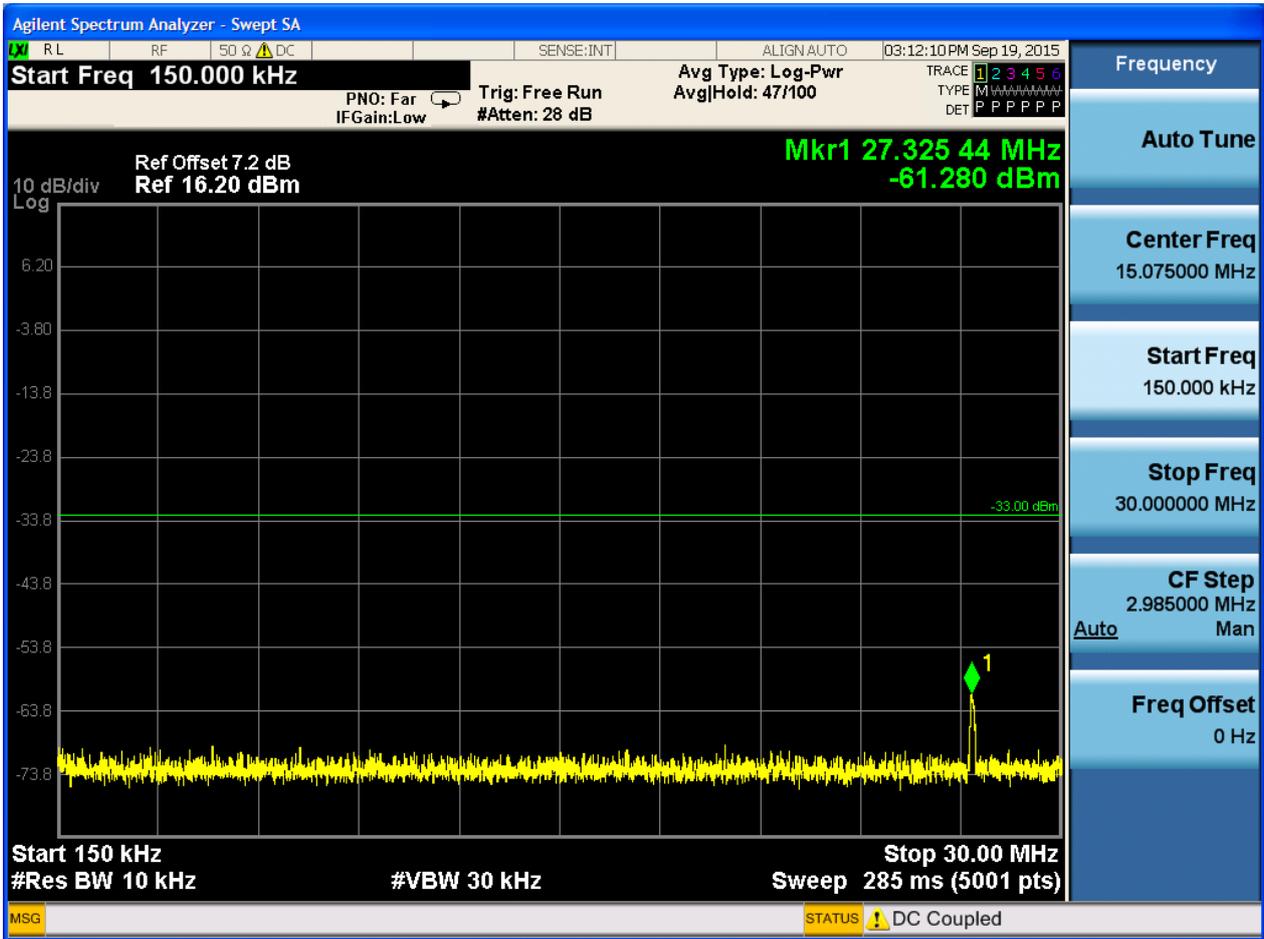


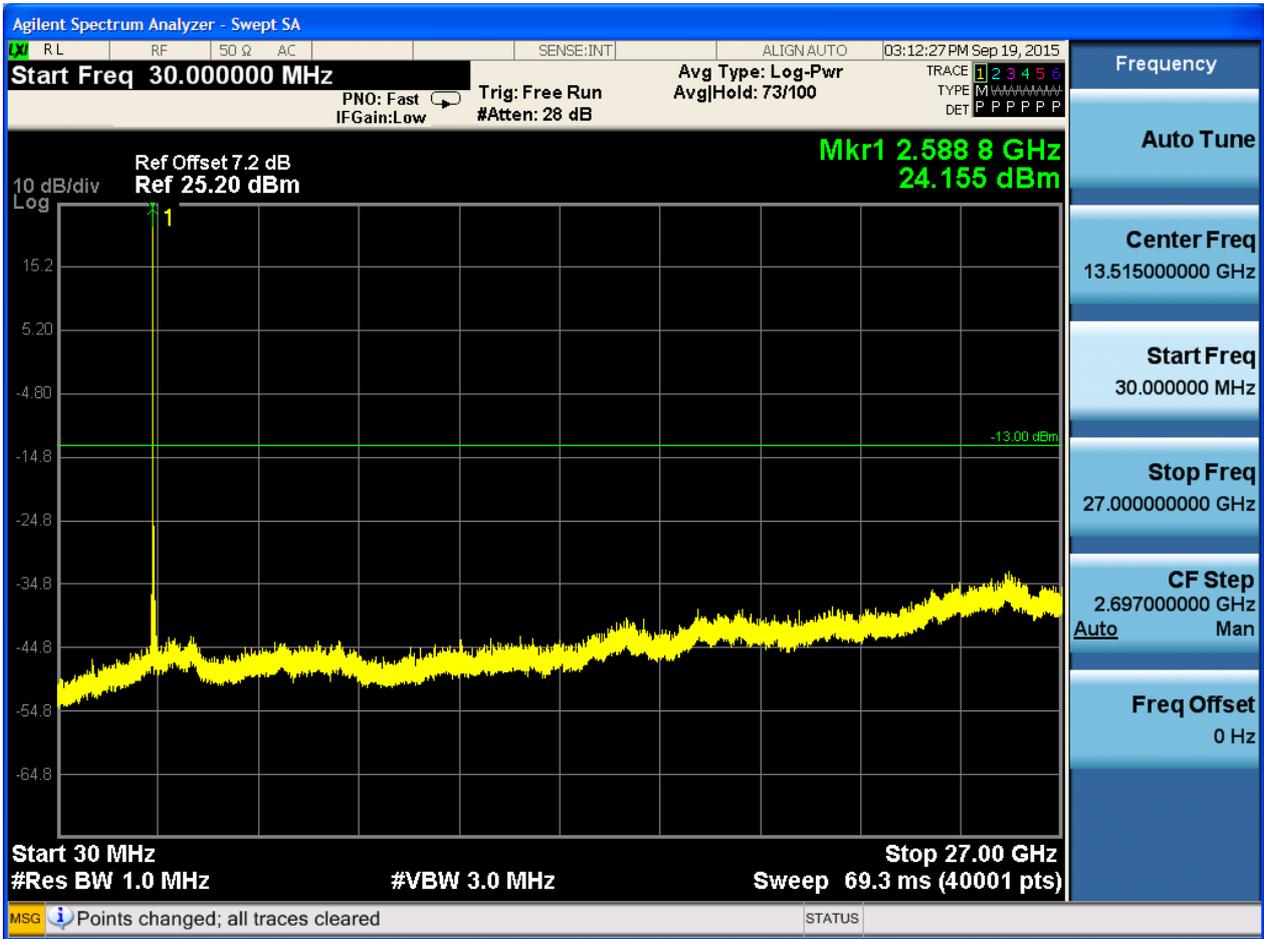


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



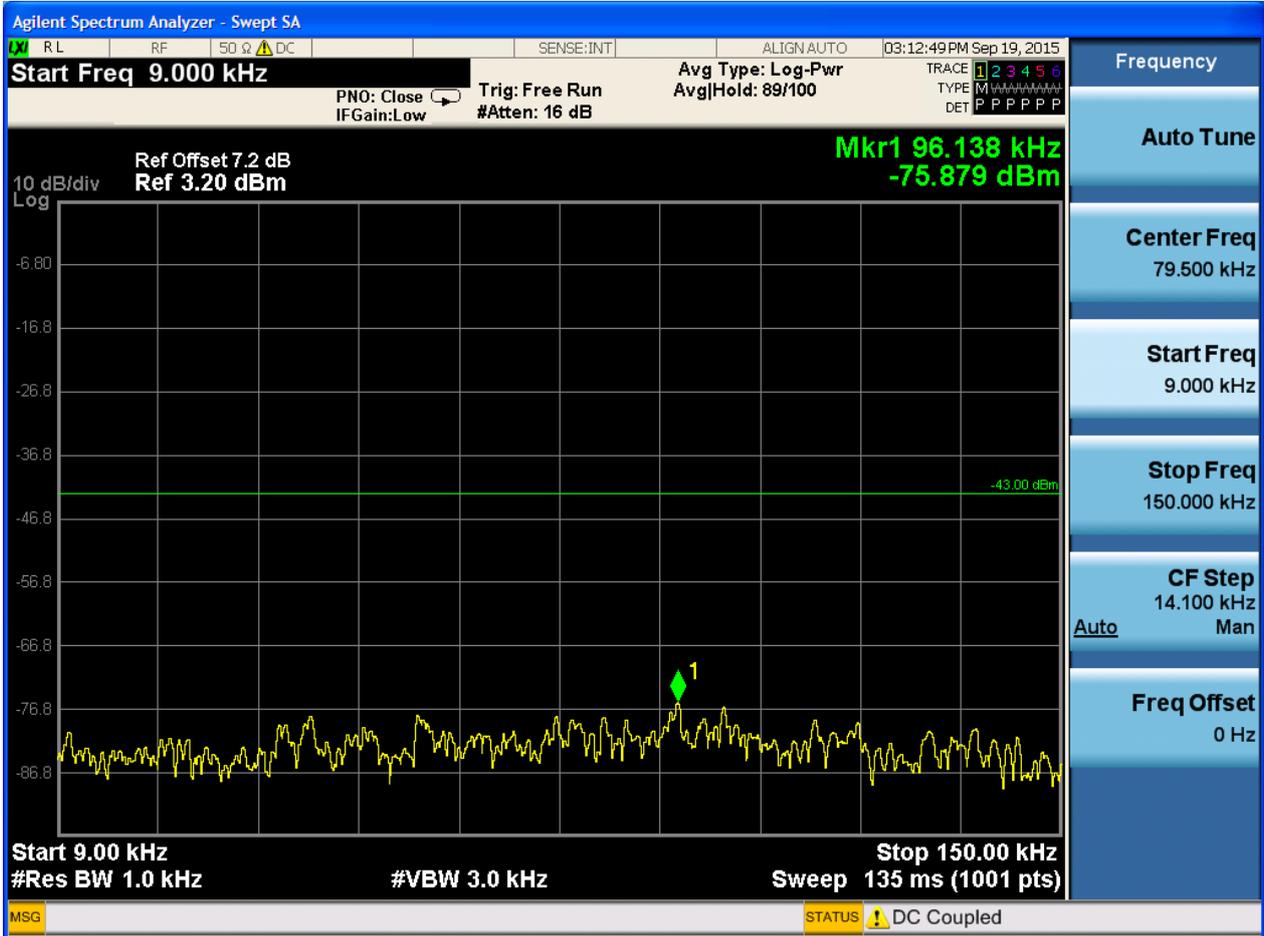






6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0

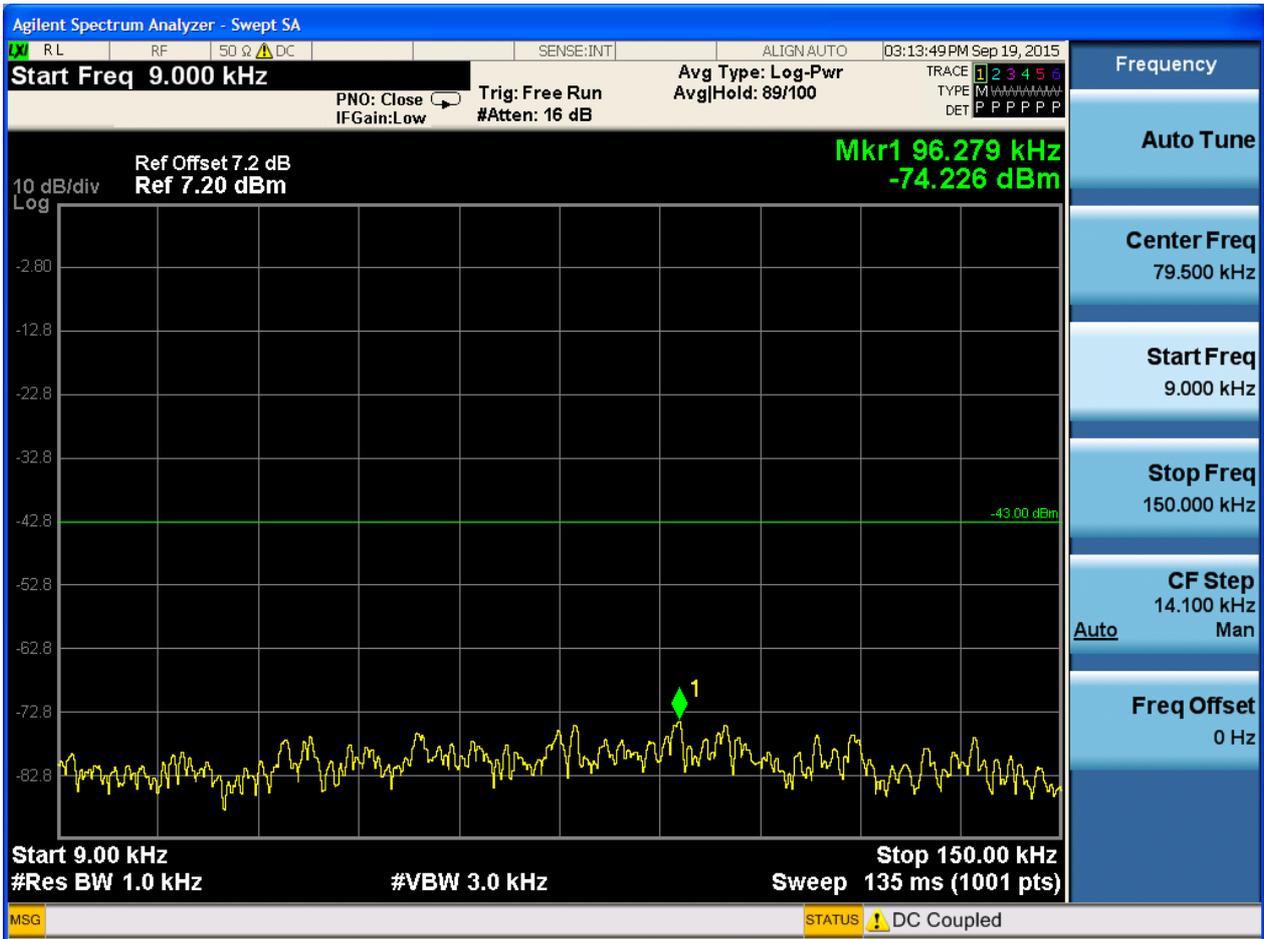


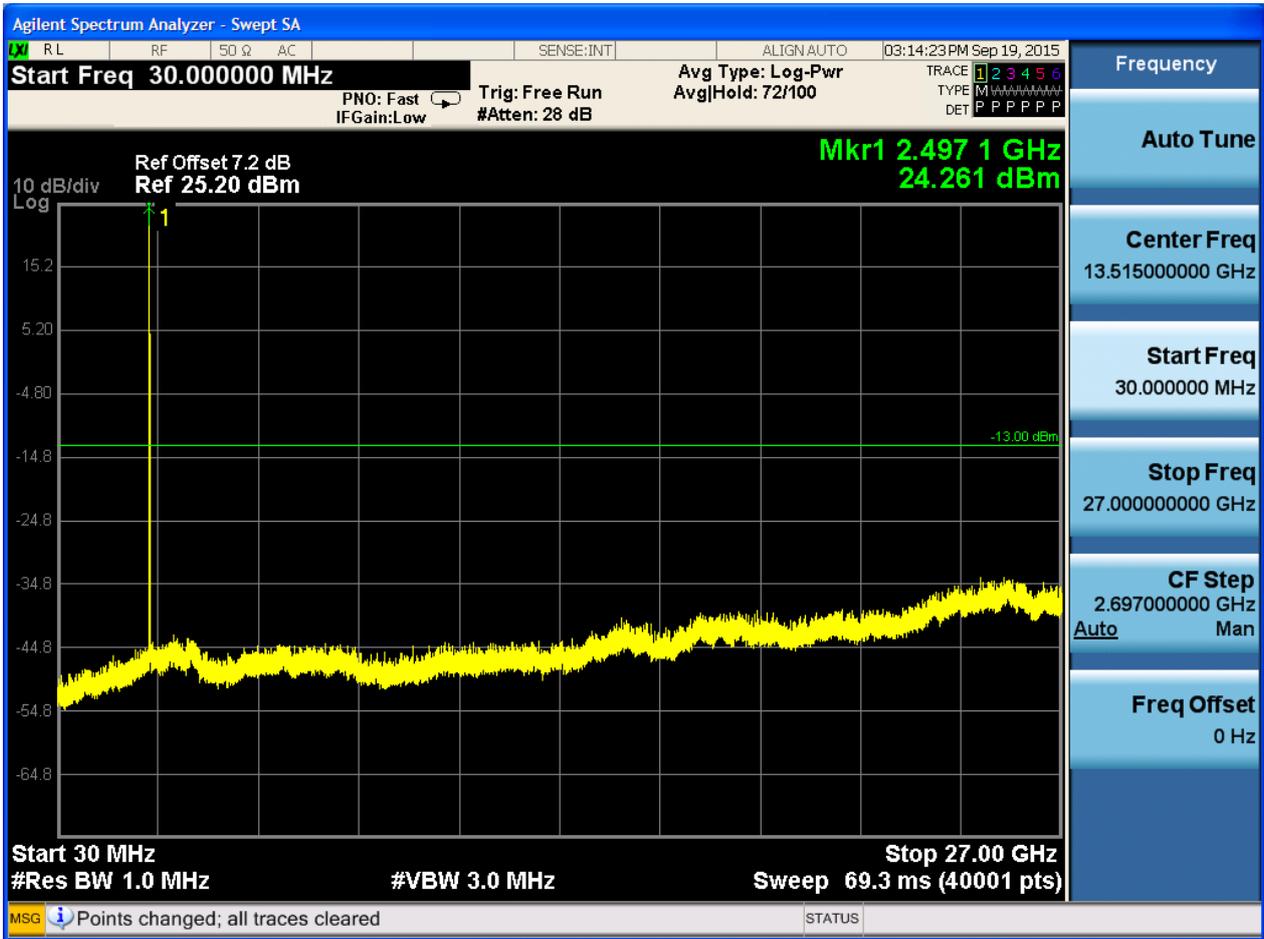


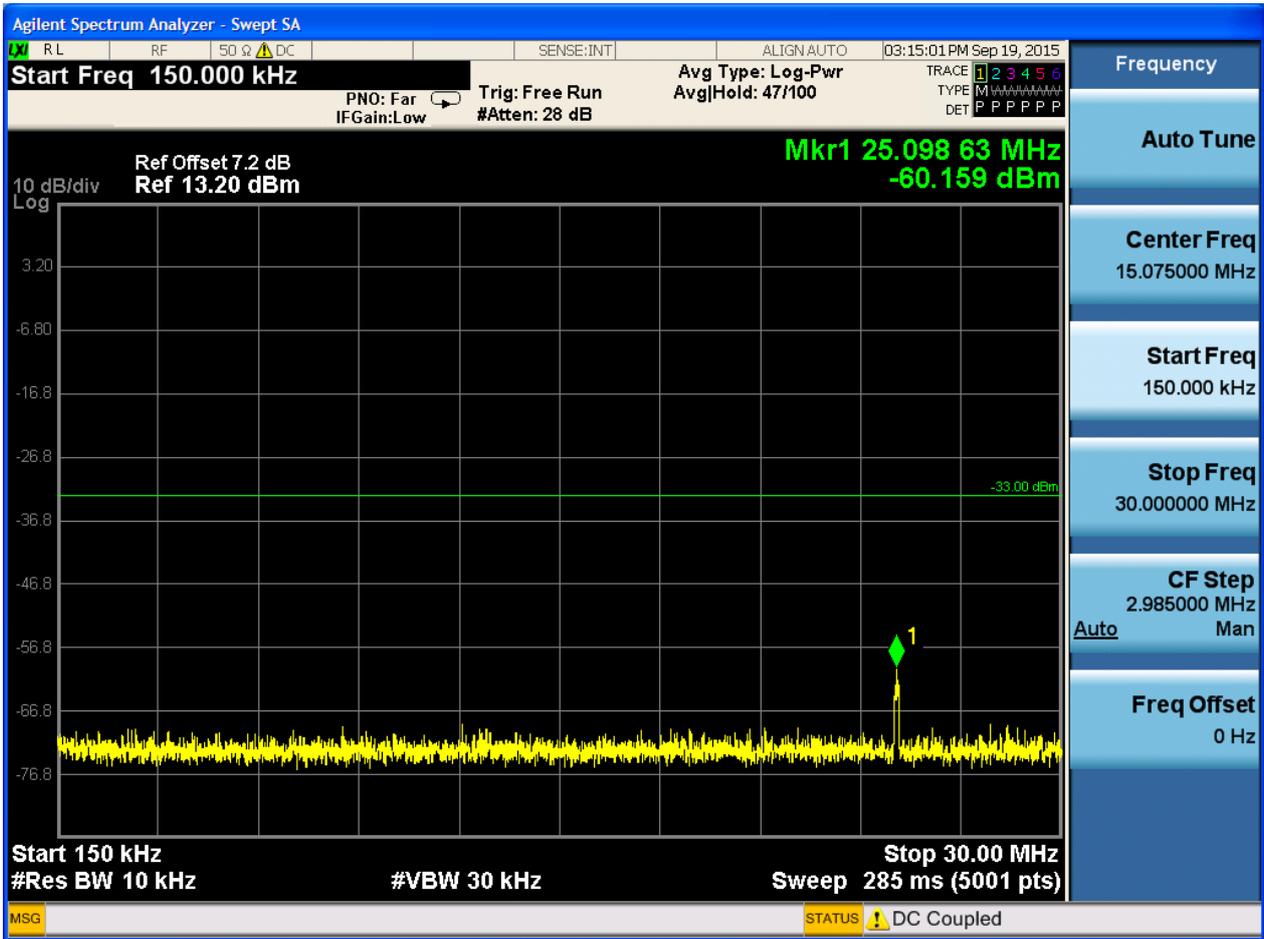
6.1.1.1.3 Test Bandwidth = 15

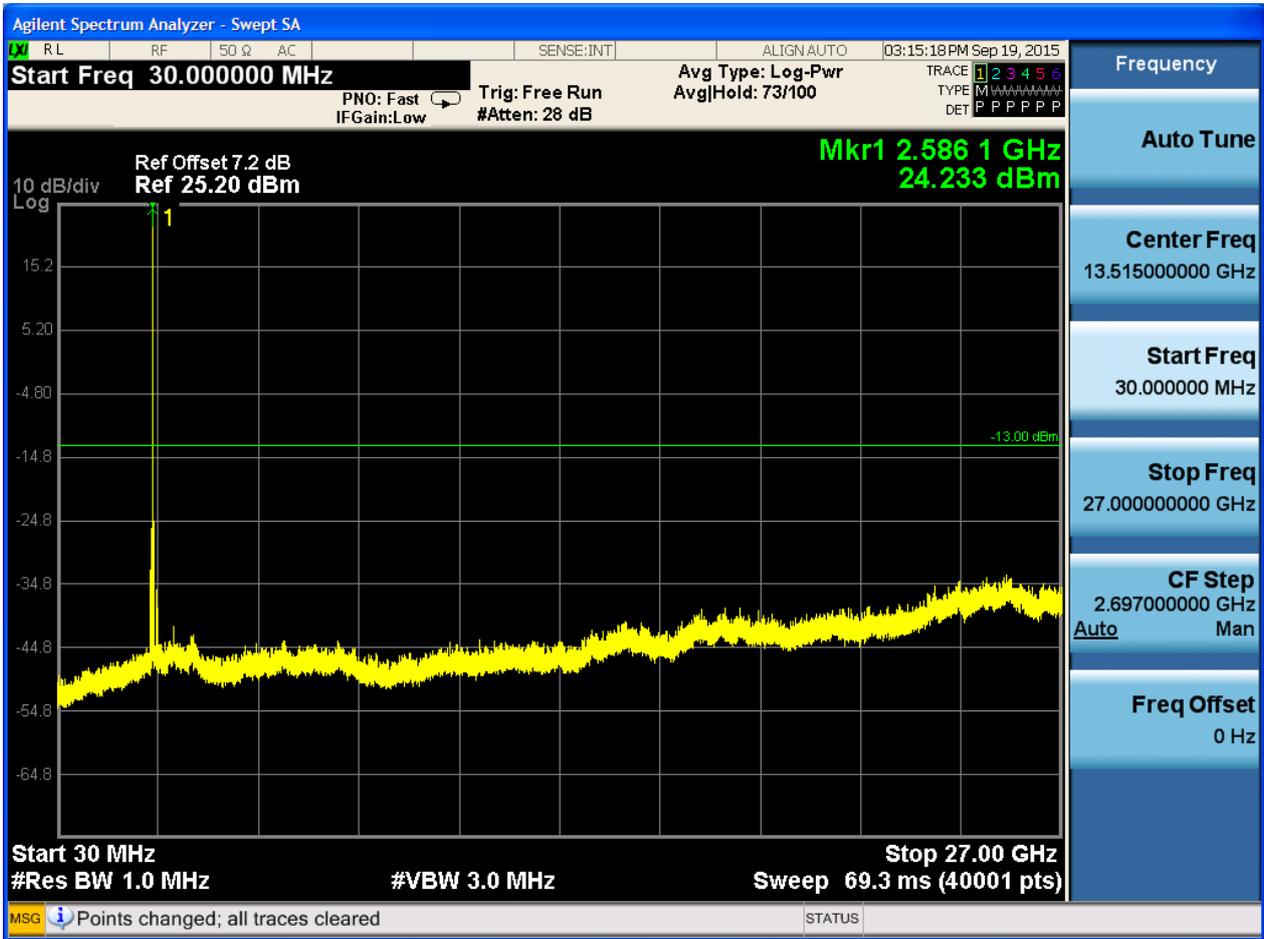
6.1.1.1.3.1 Test Channel = LCH

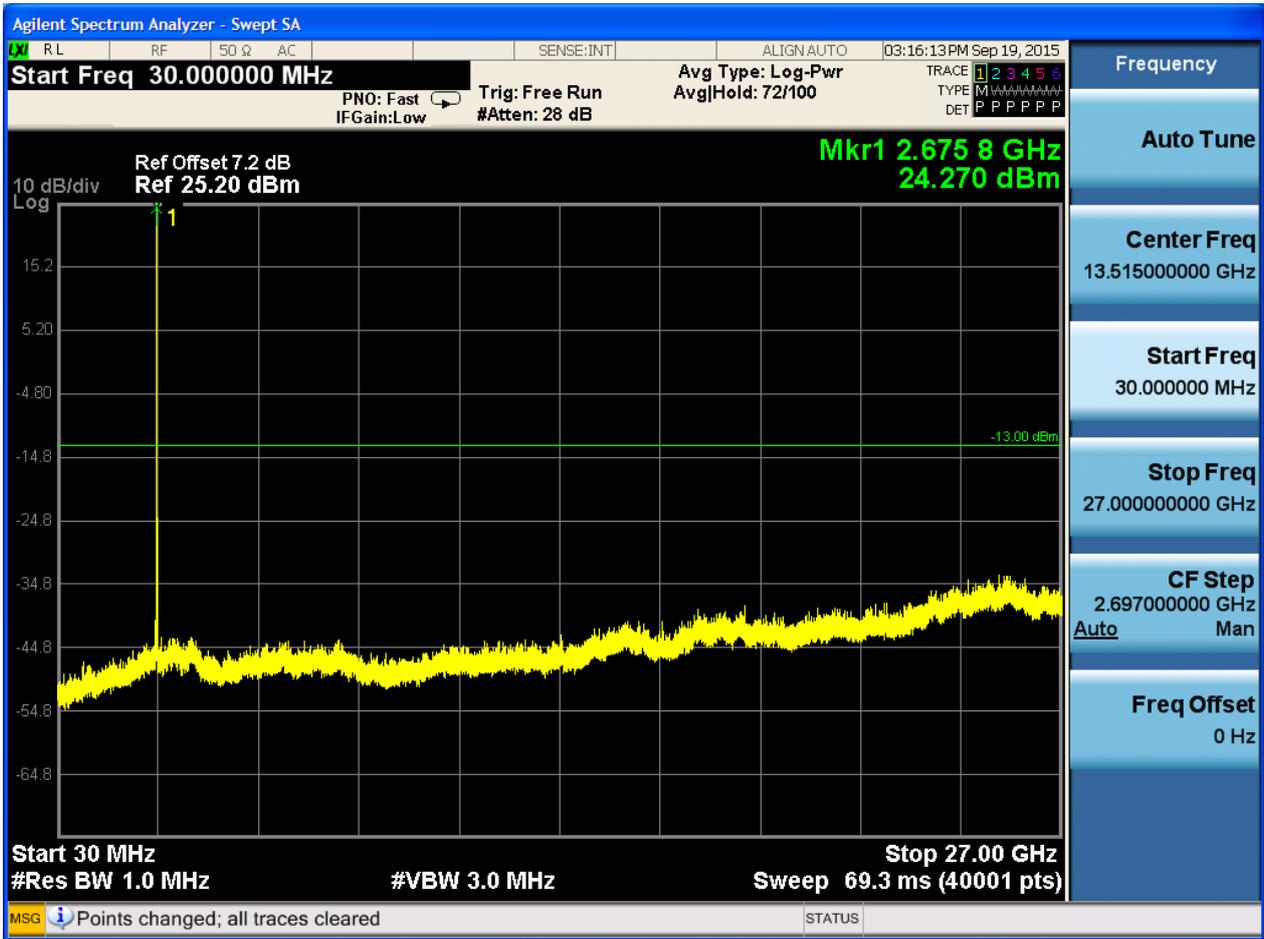
6.1.1.1.3.1.1 Test RB = RB1#0









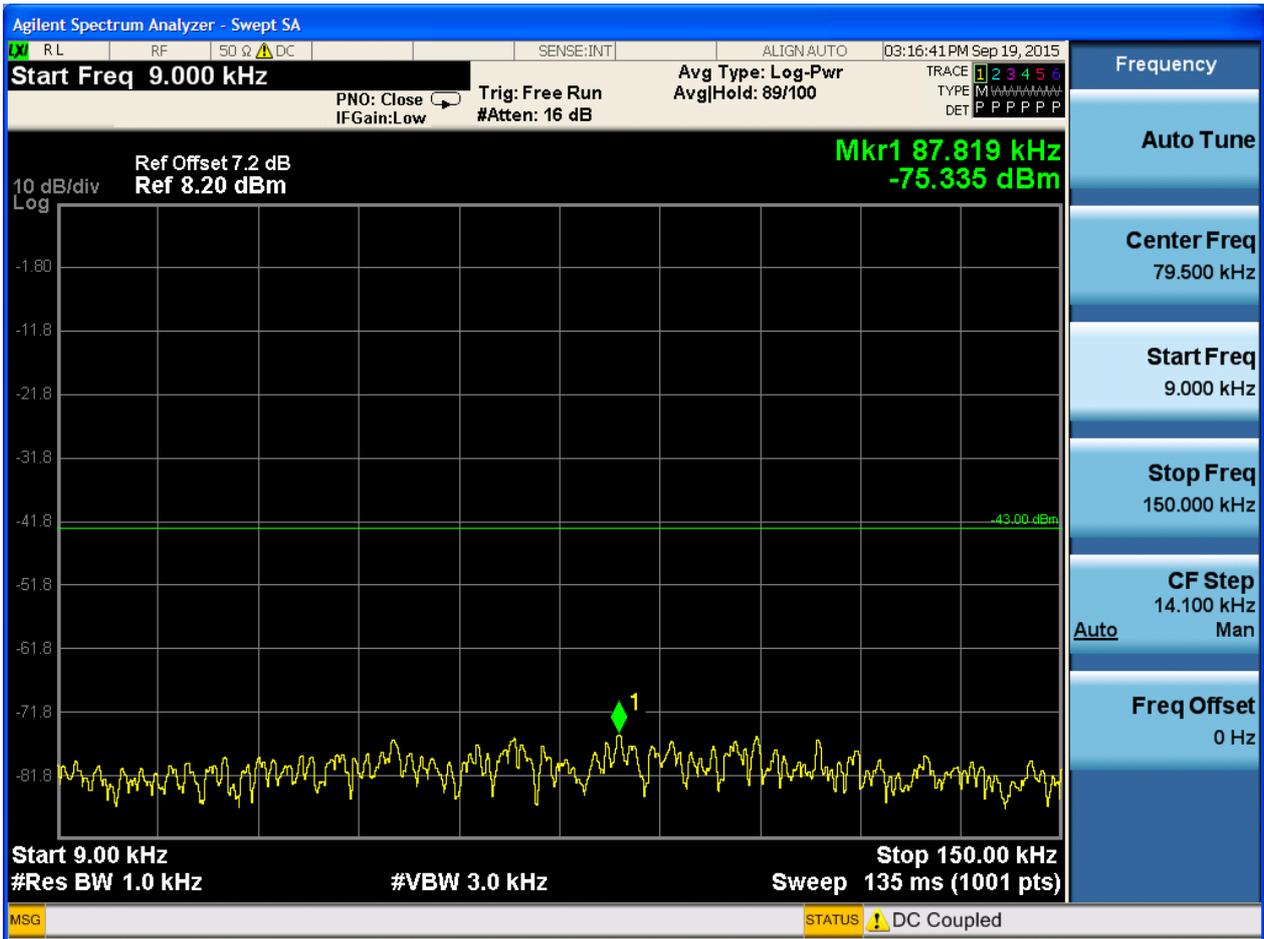


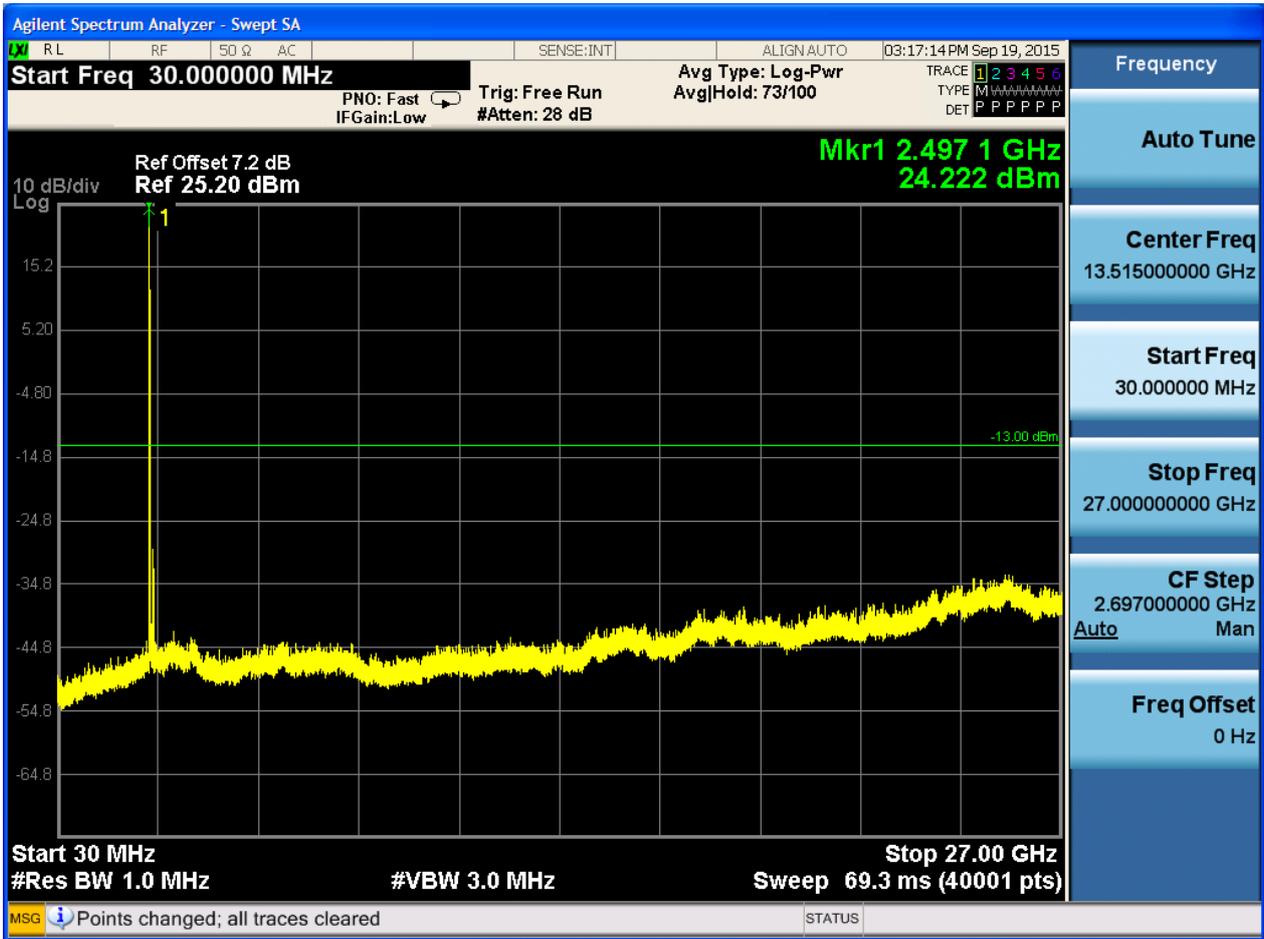


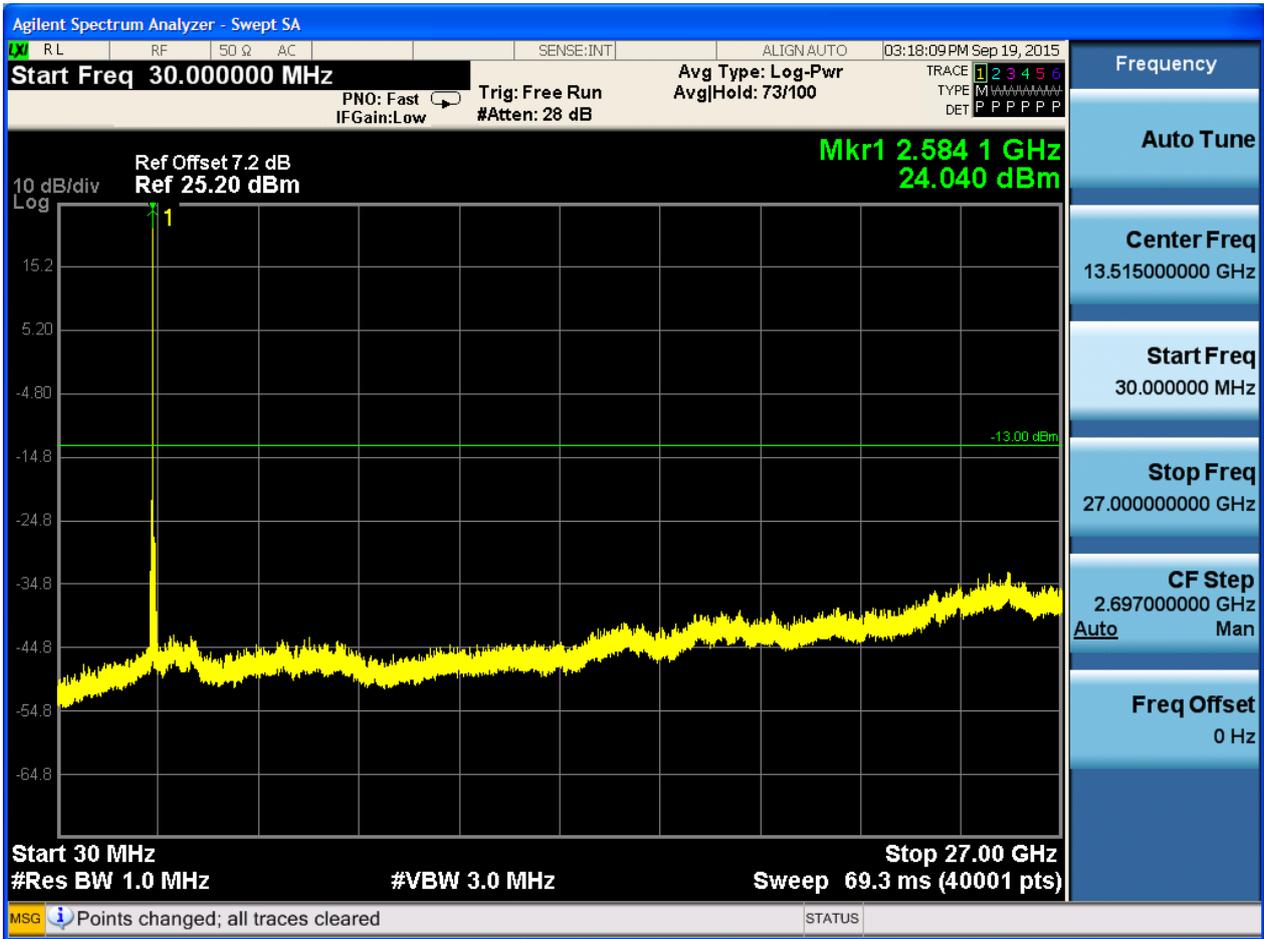
6.1.1.1.4 Test Bandwidth = 20

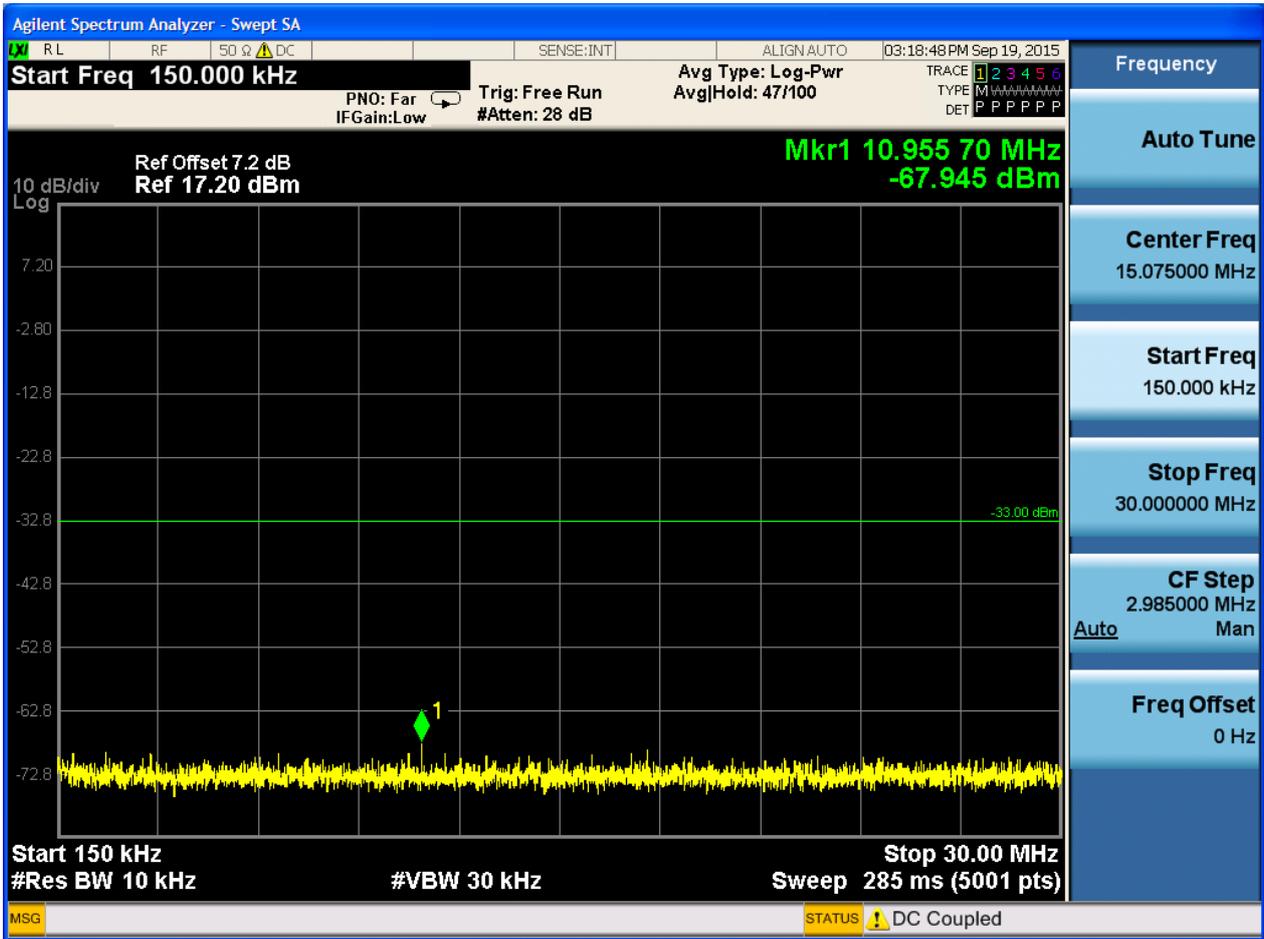
6.1.1.1.4.1 Test Channel = LCH

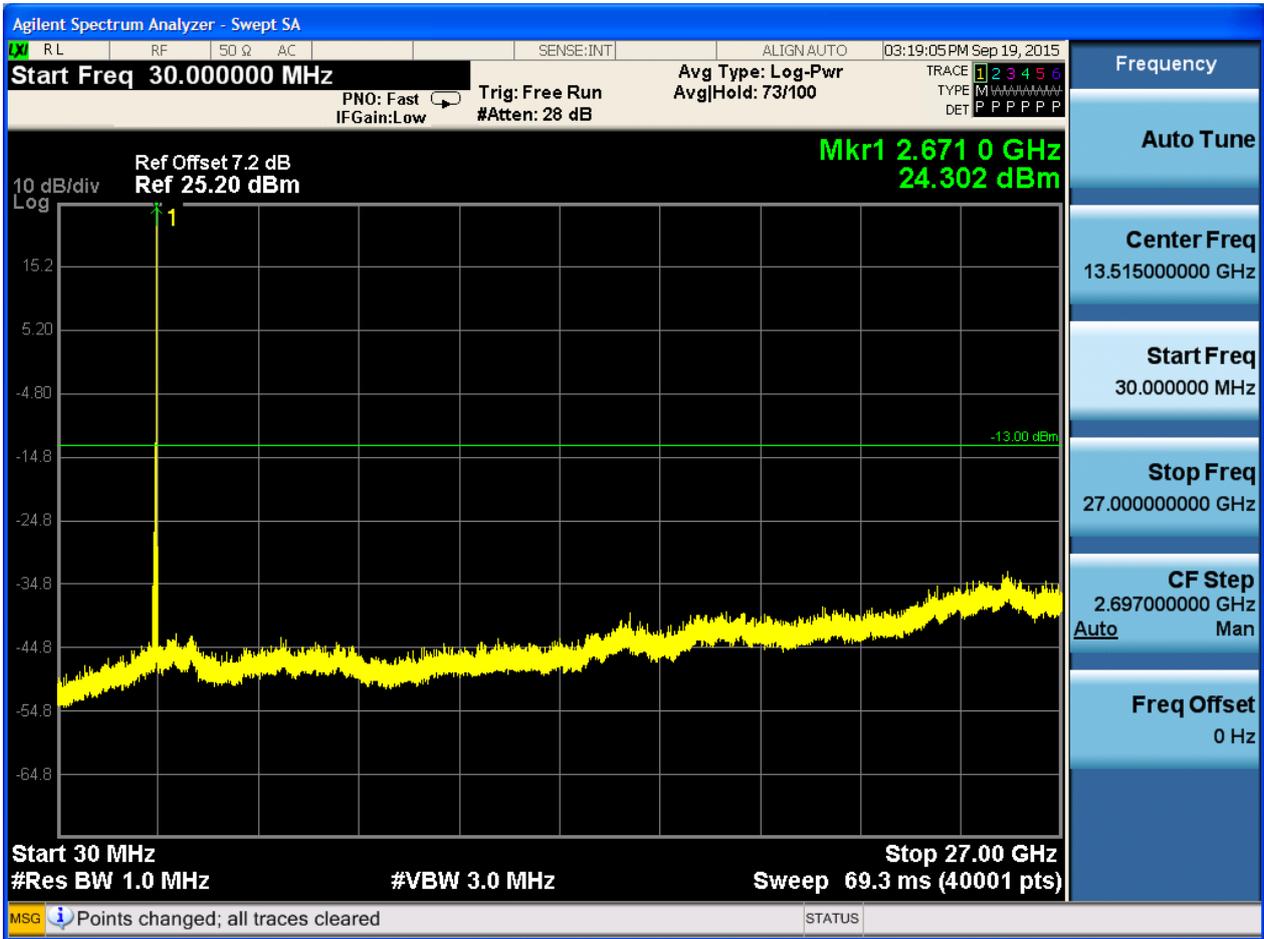
6.1.1.1.4.1.1 Test RB = RB1#0











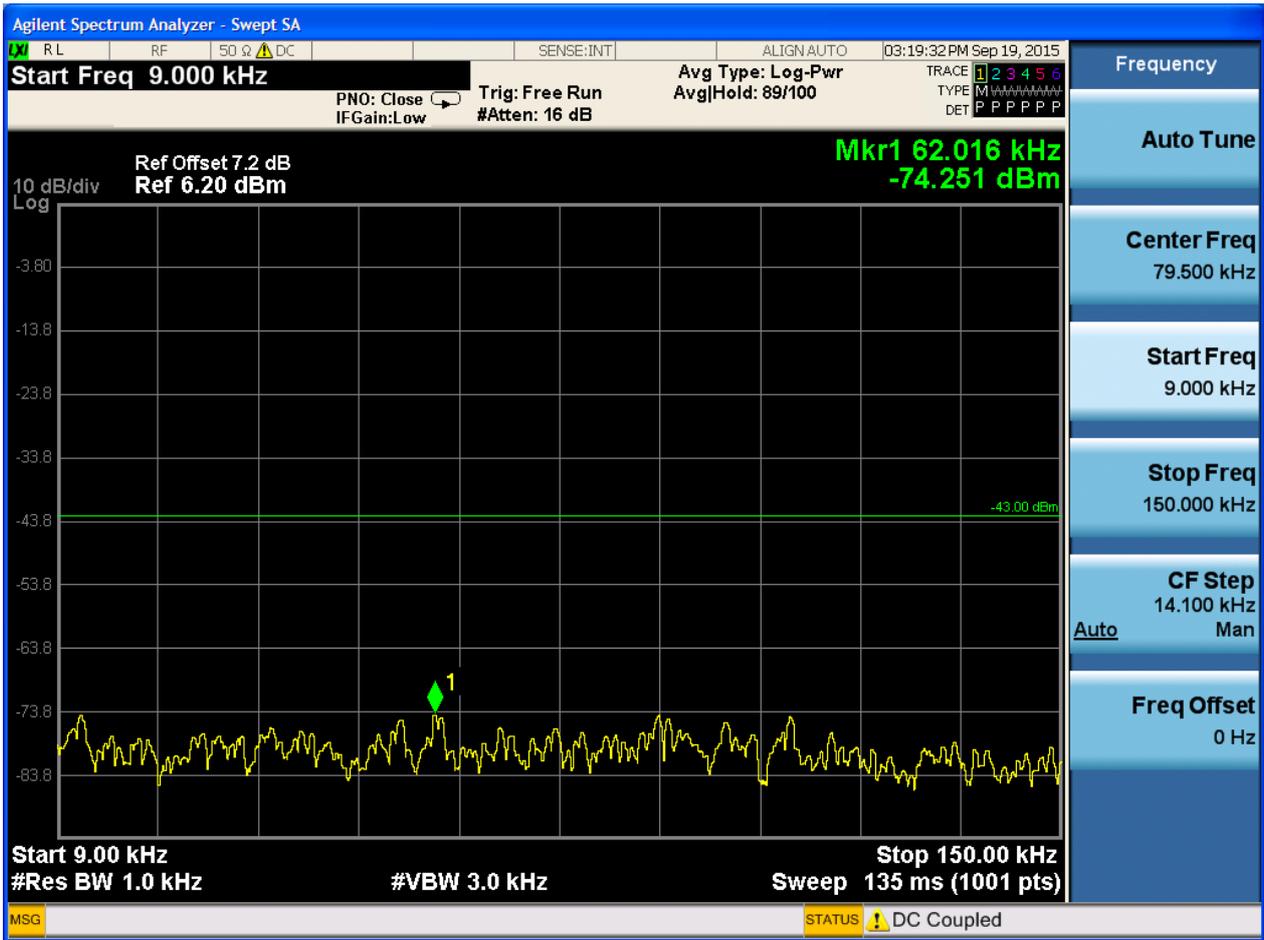


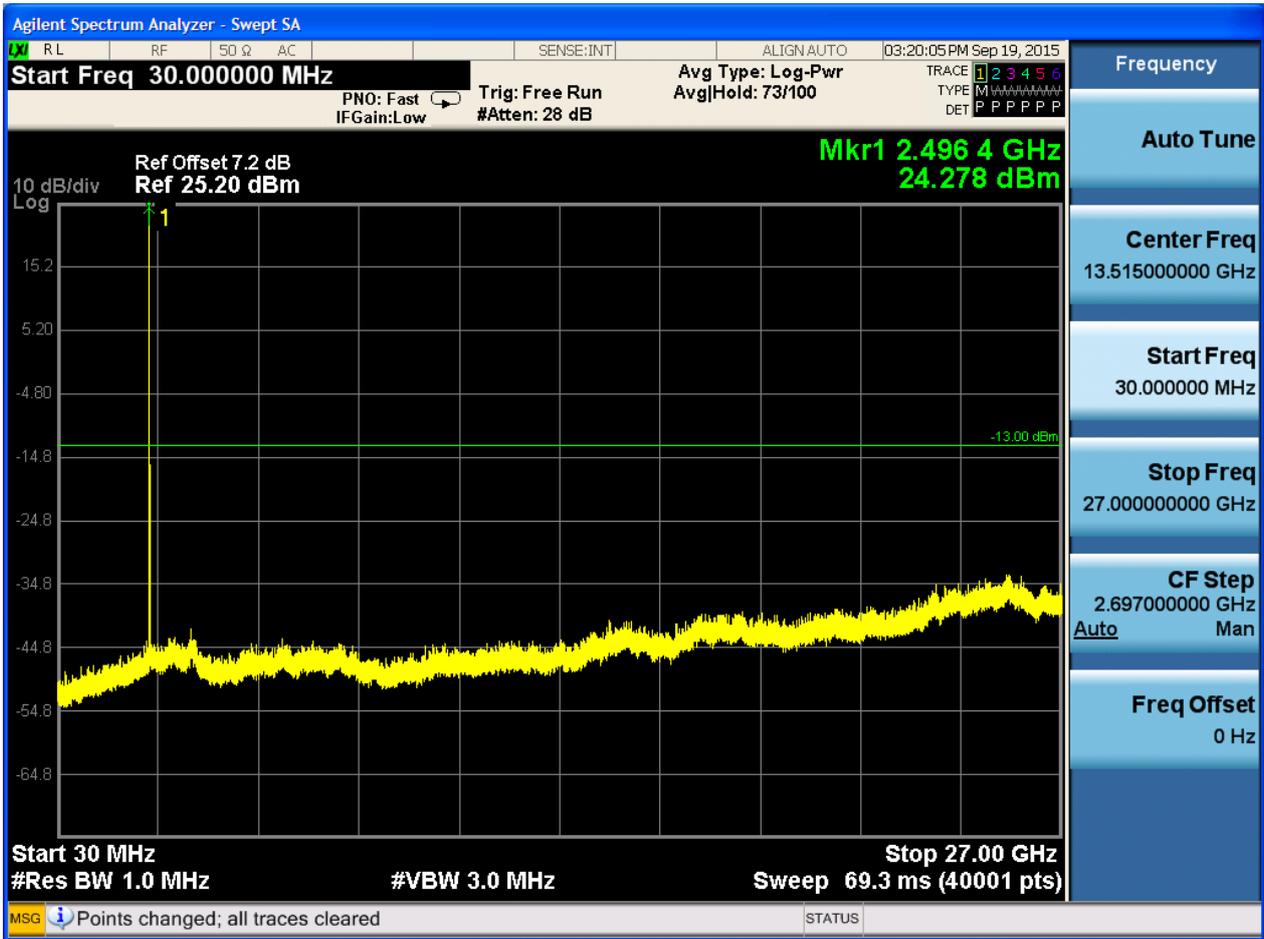
6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

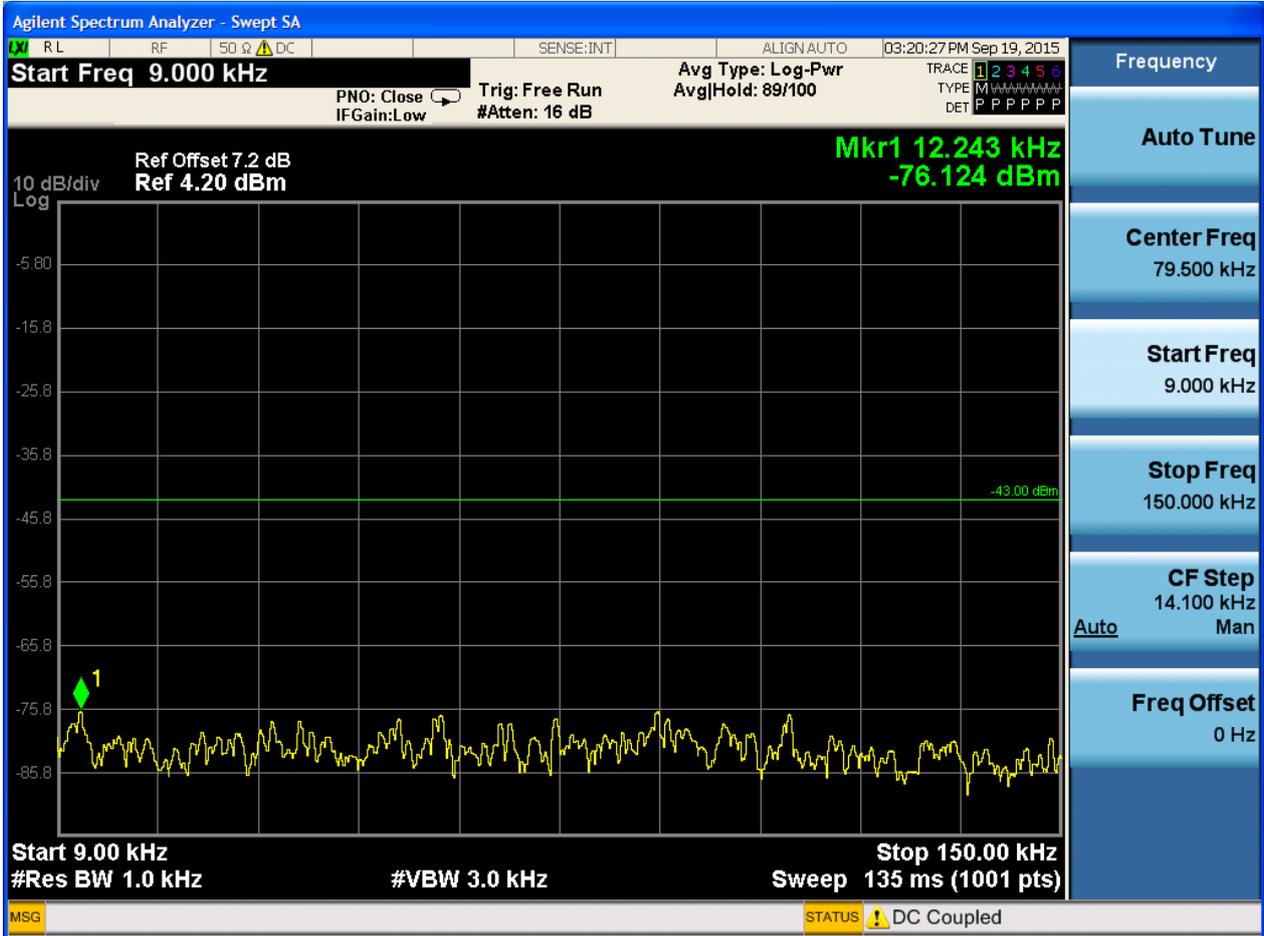


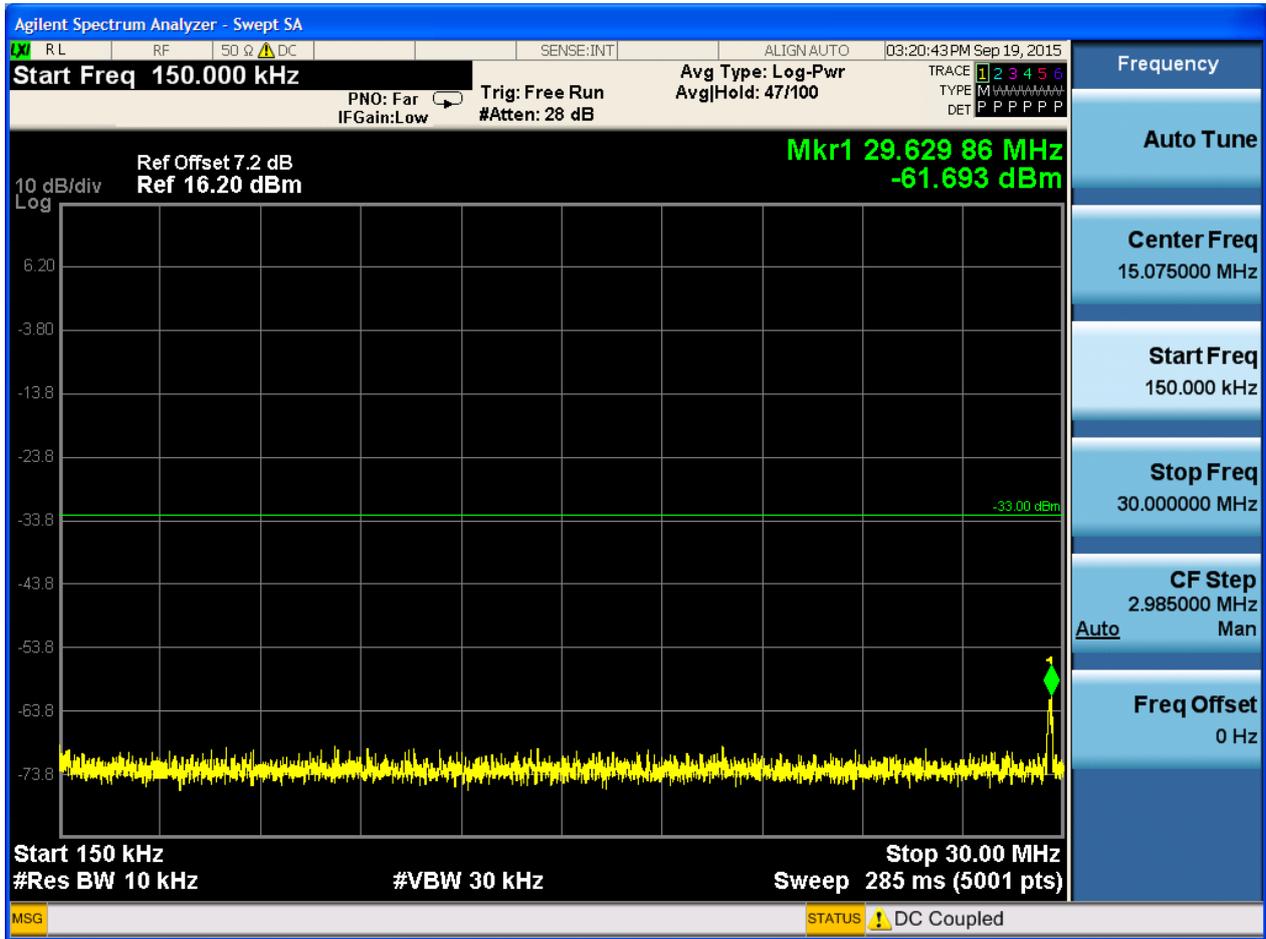


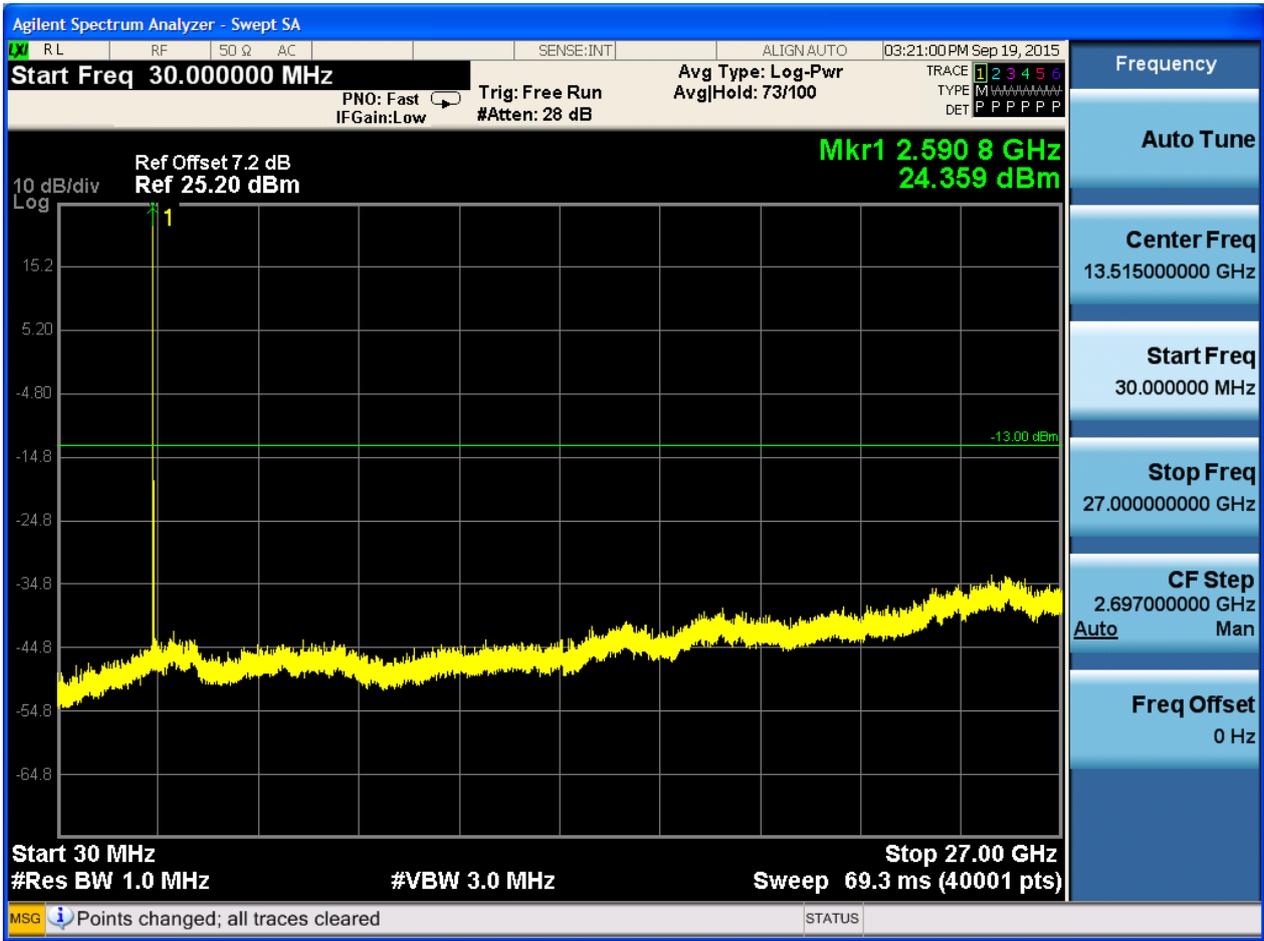


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





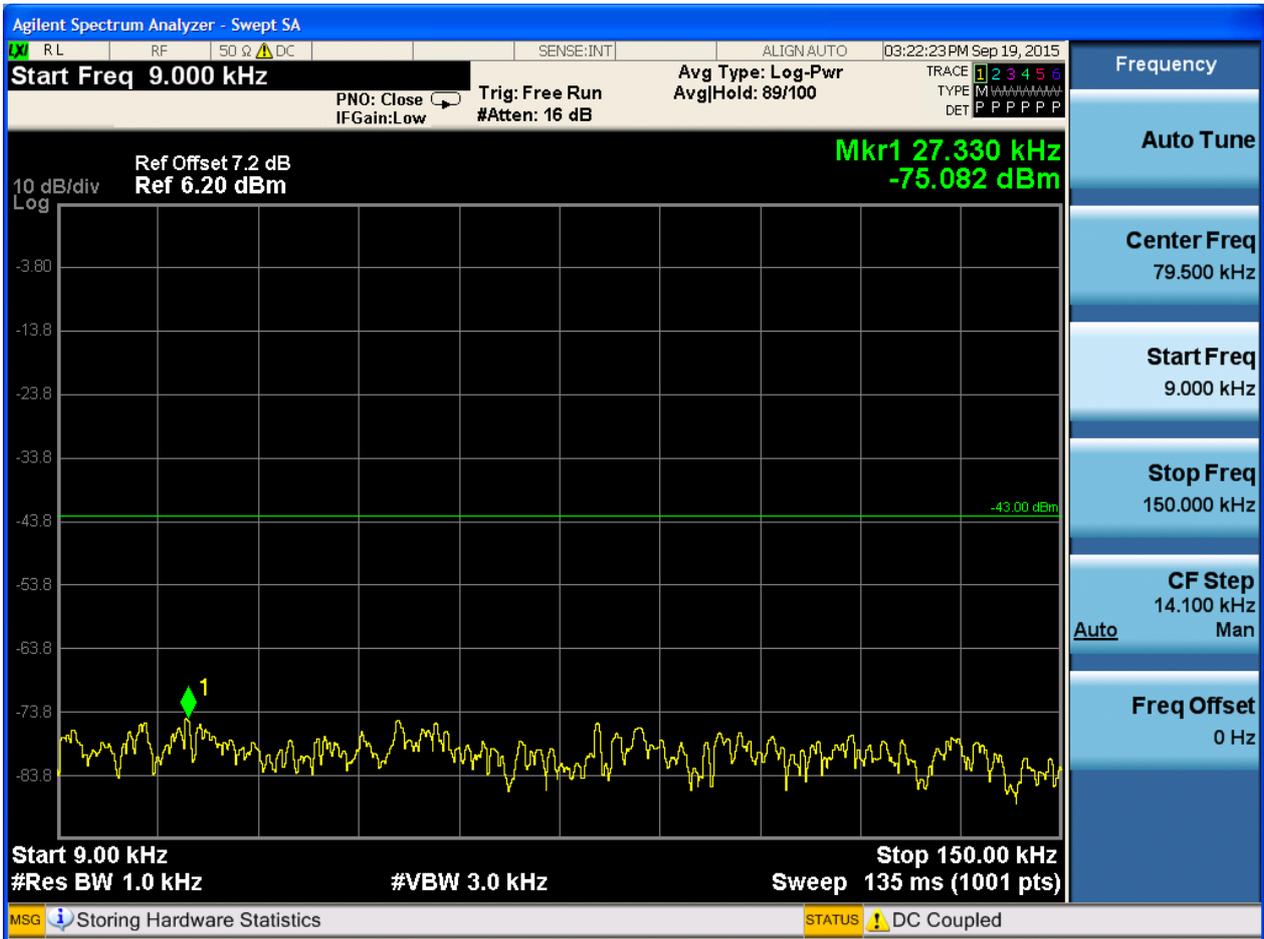


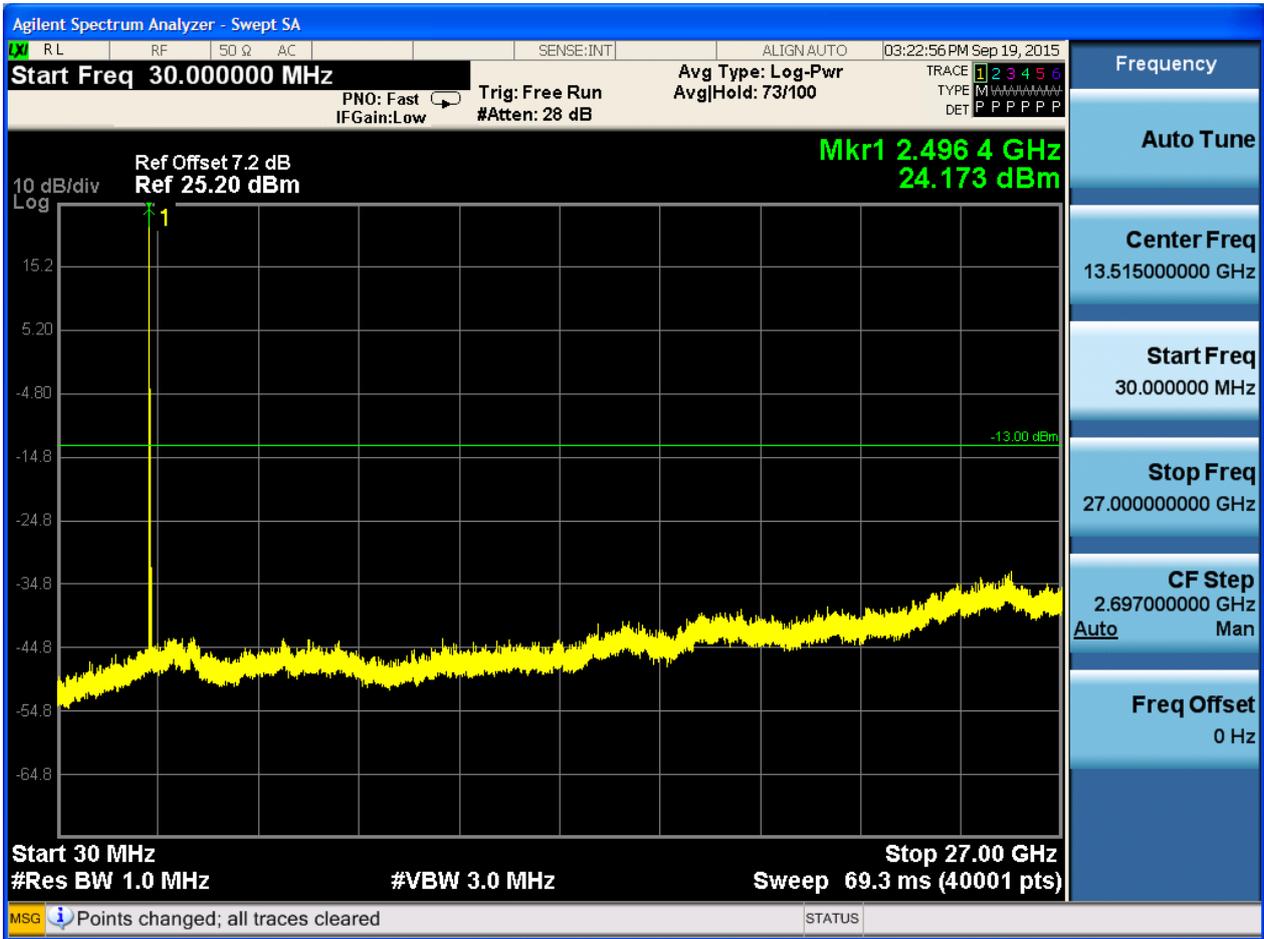


6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

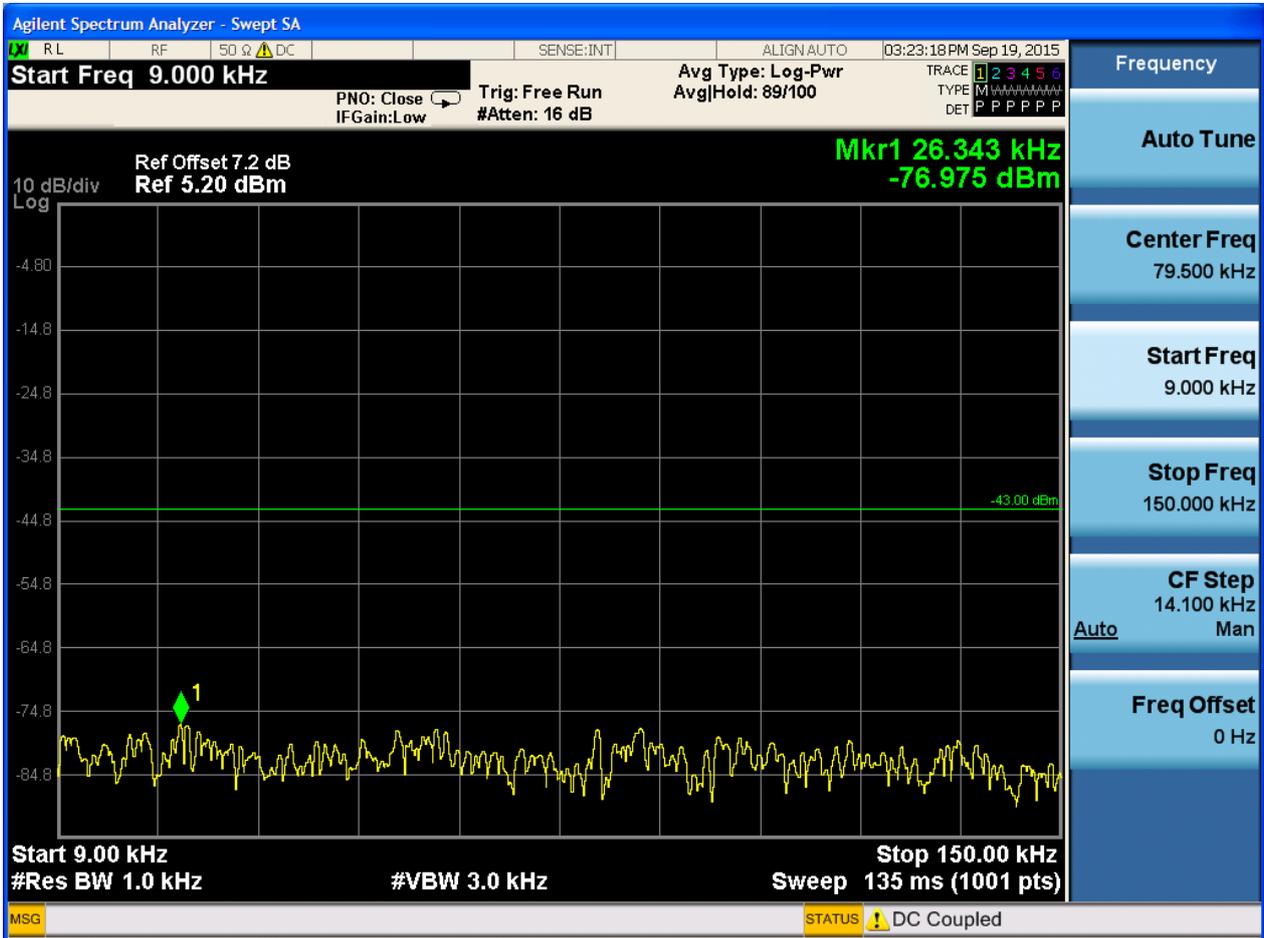


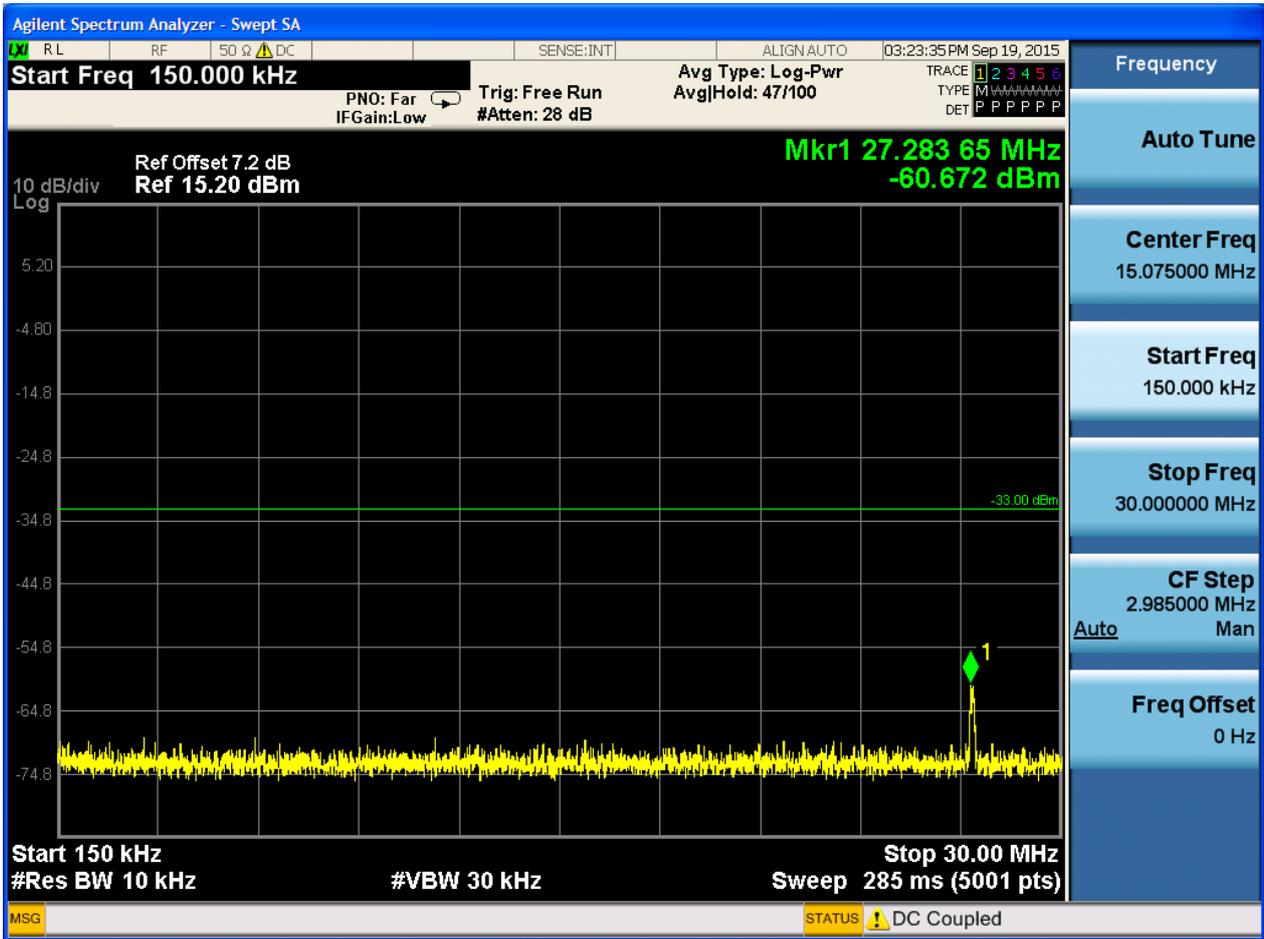


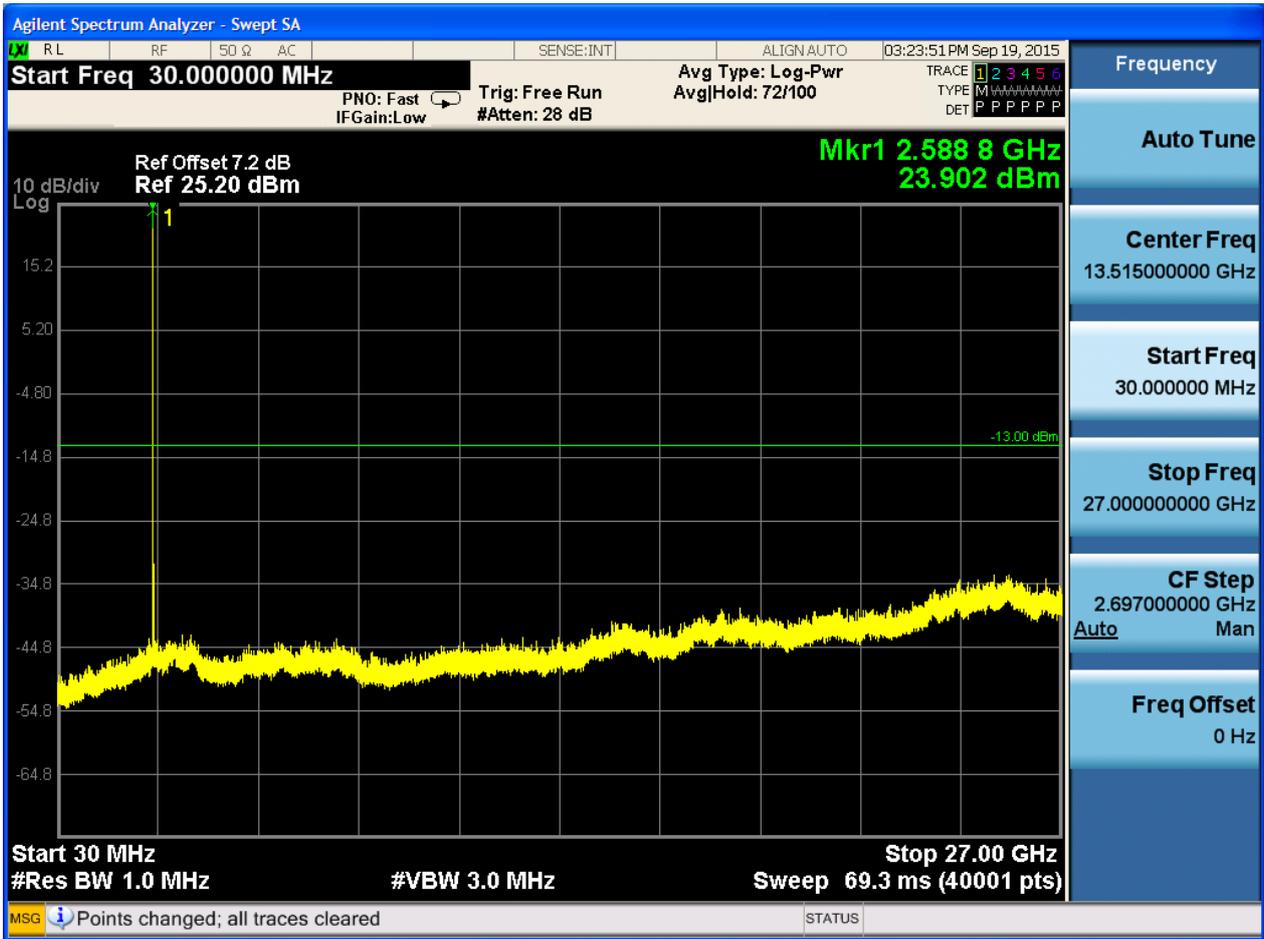


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



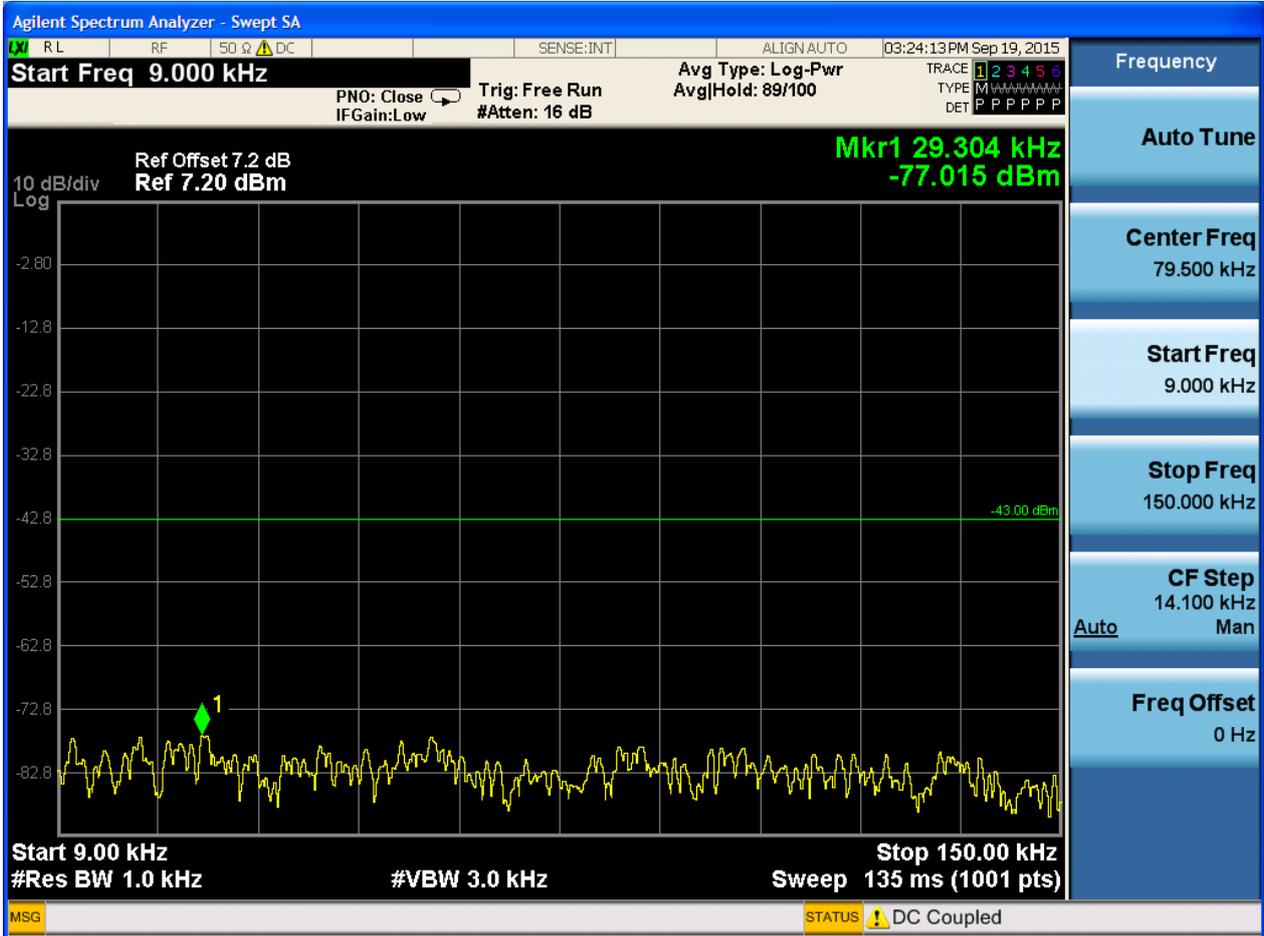


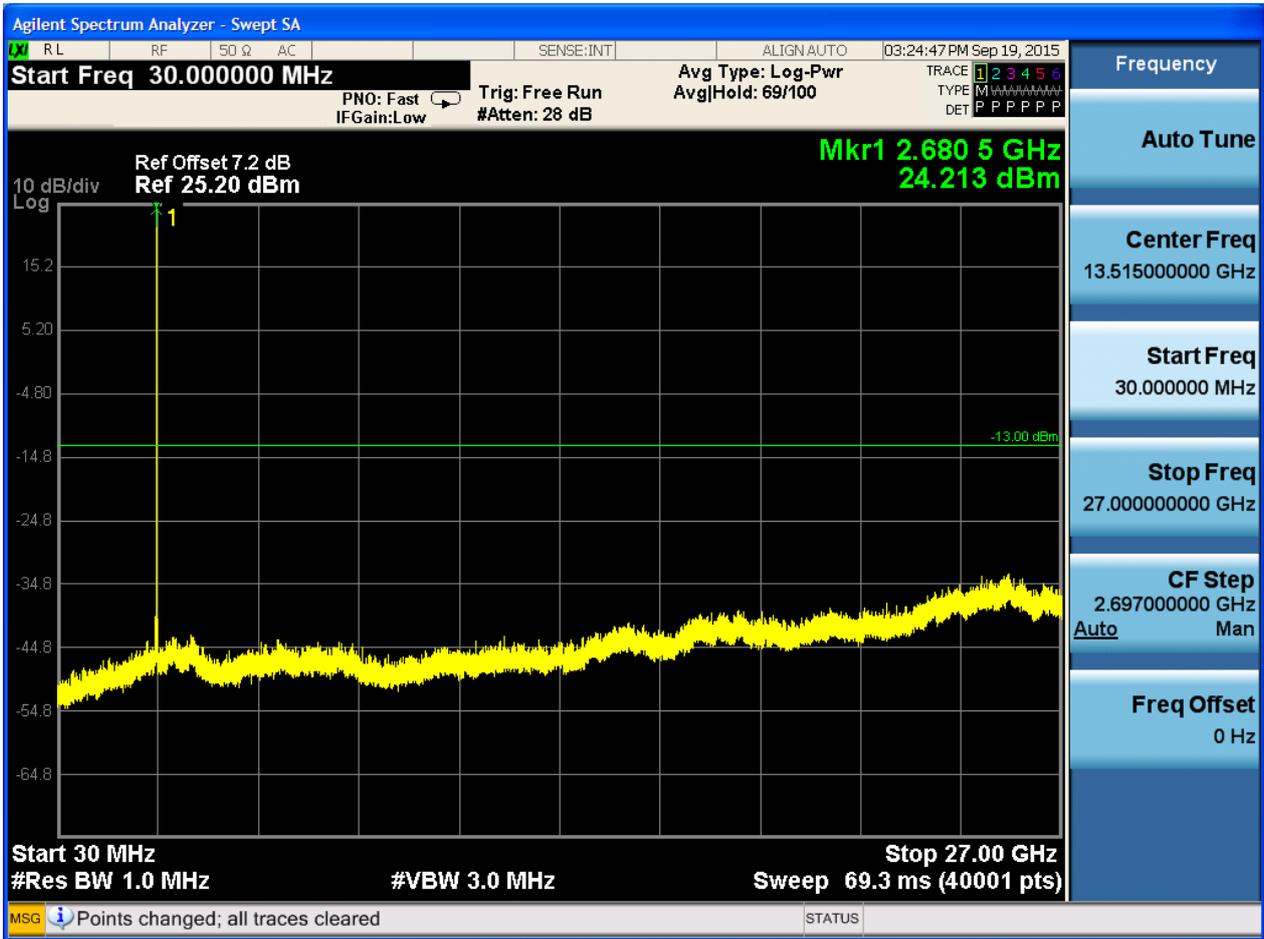




6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



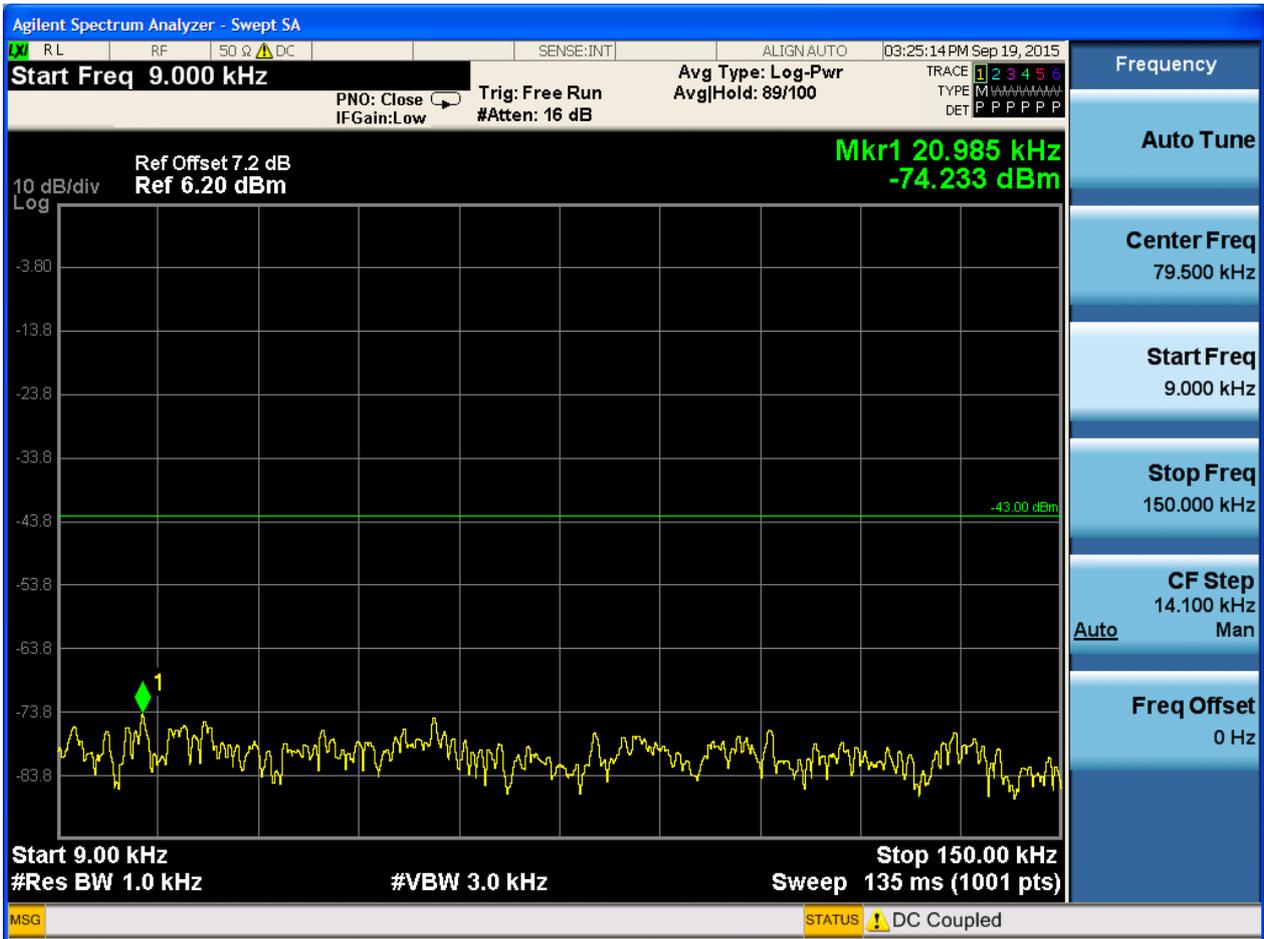


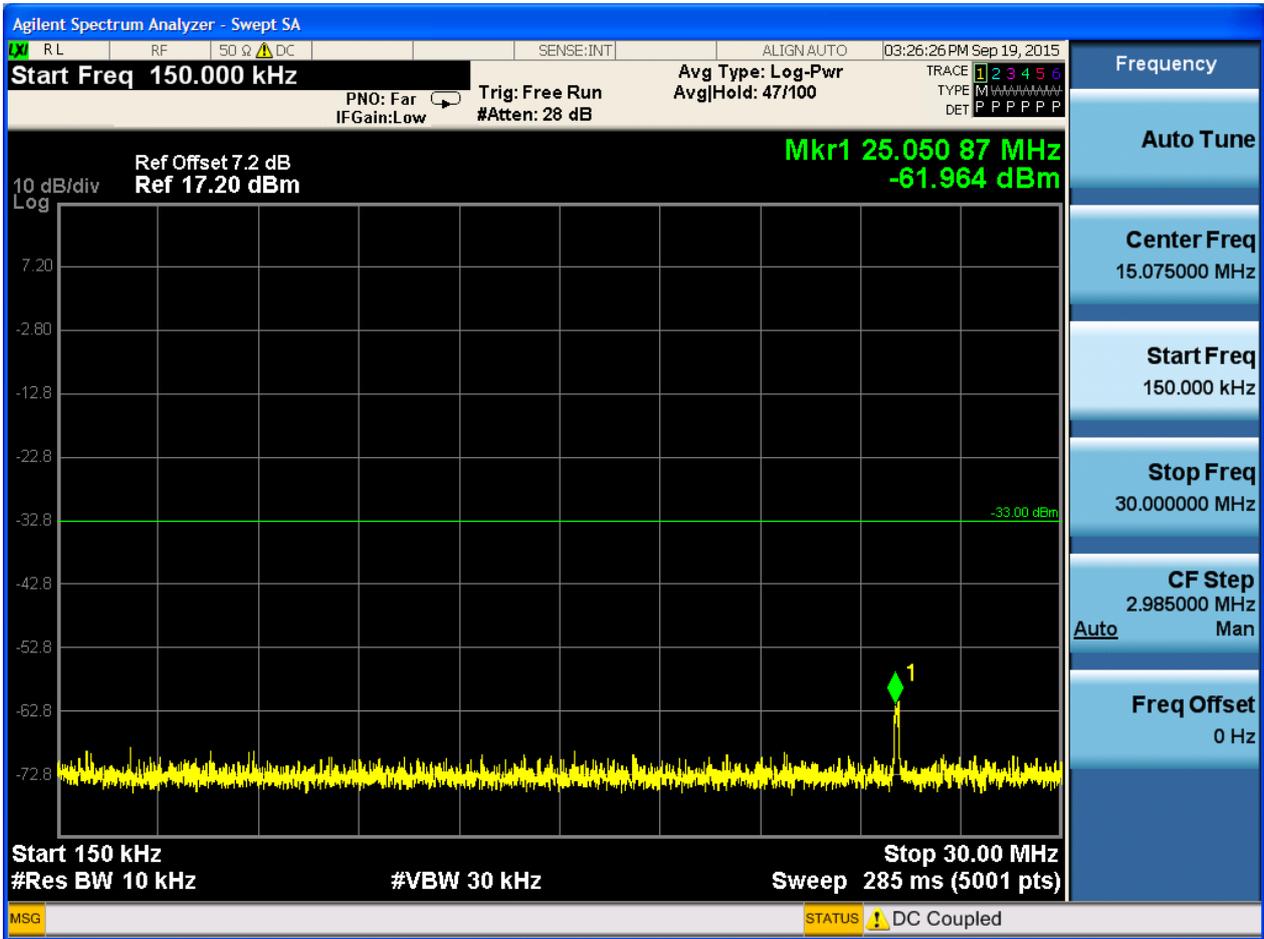


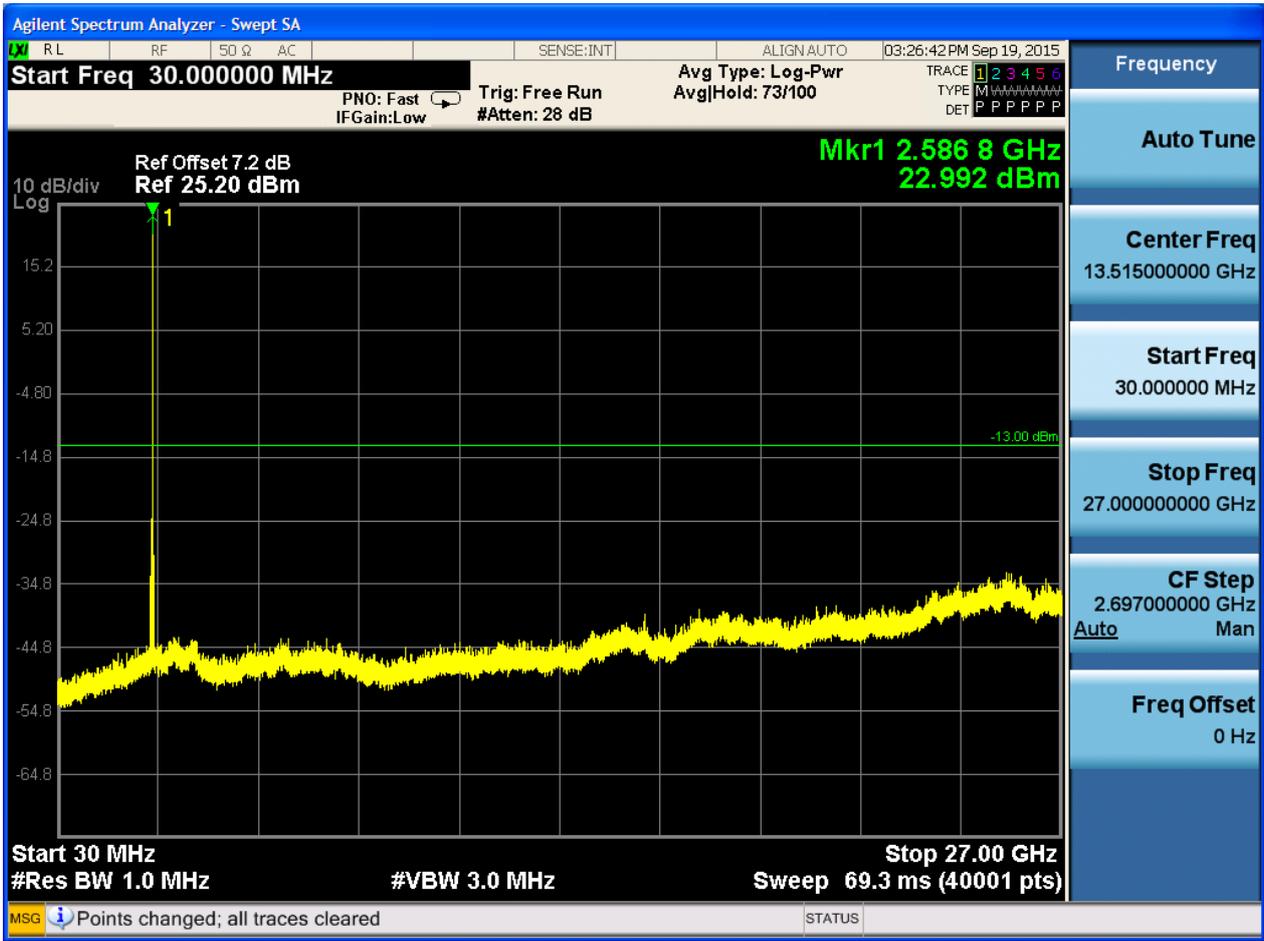
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



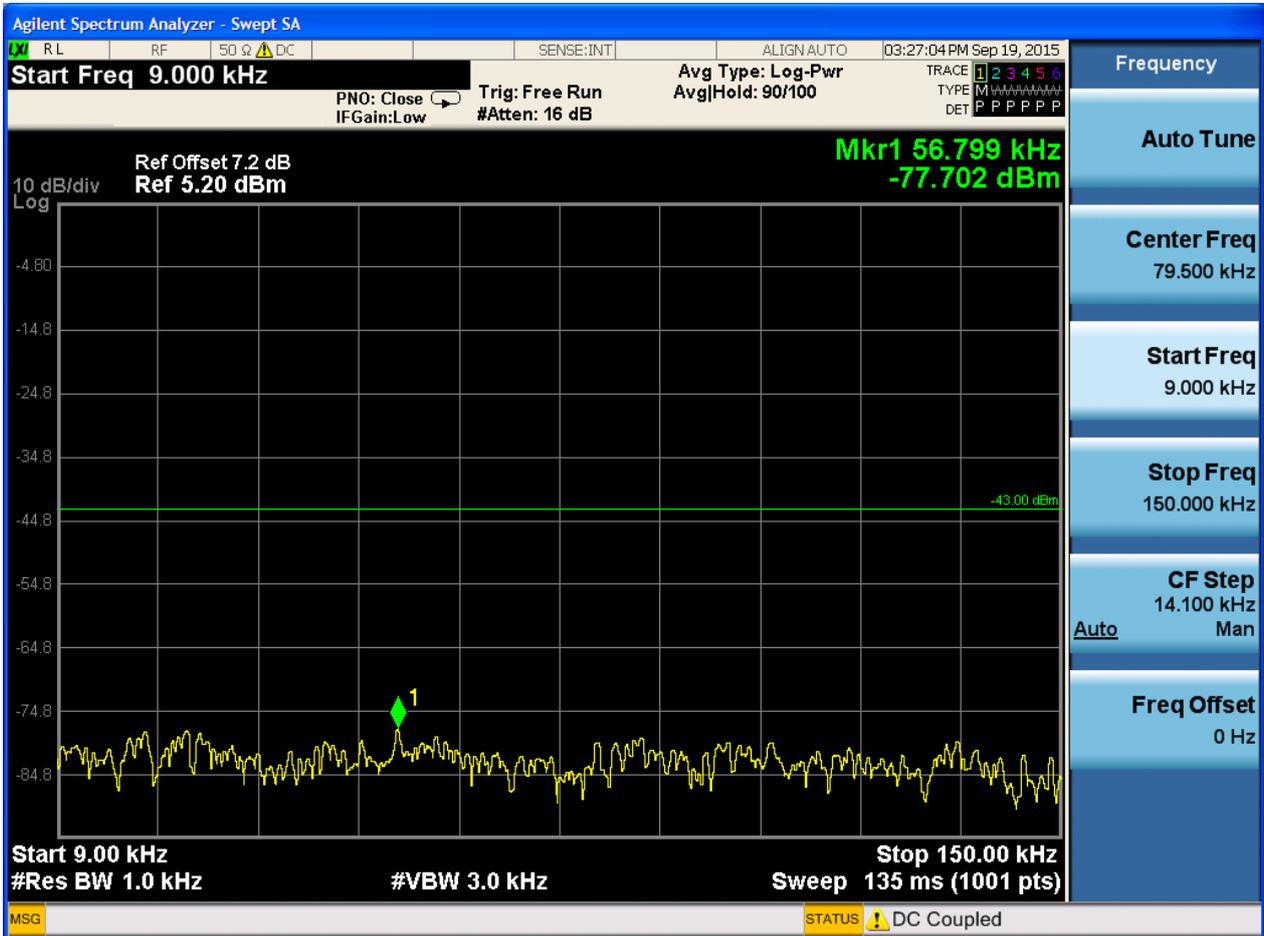


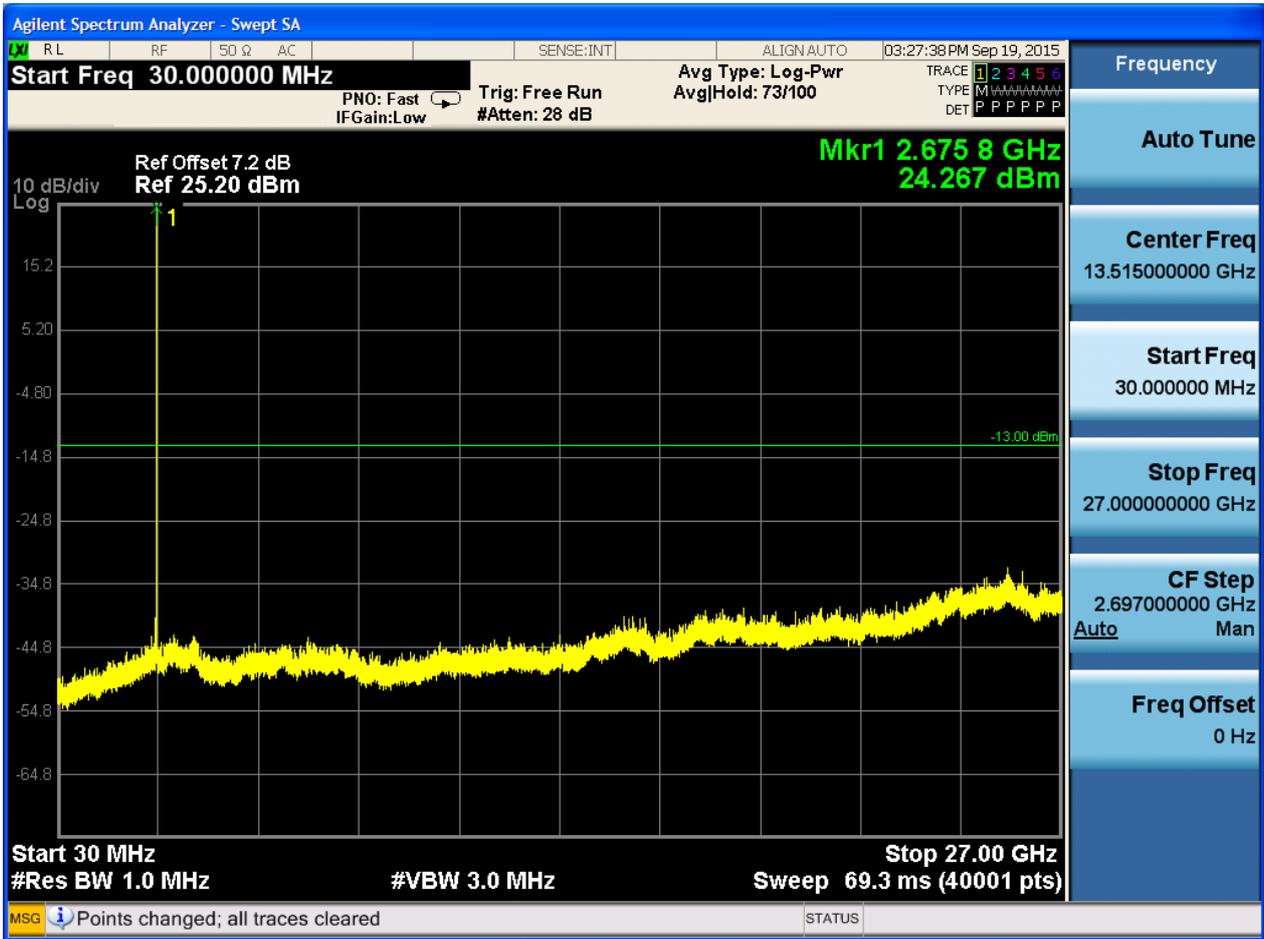




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



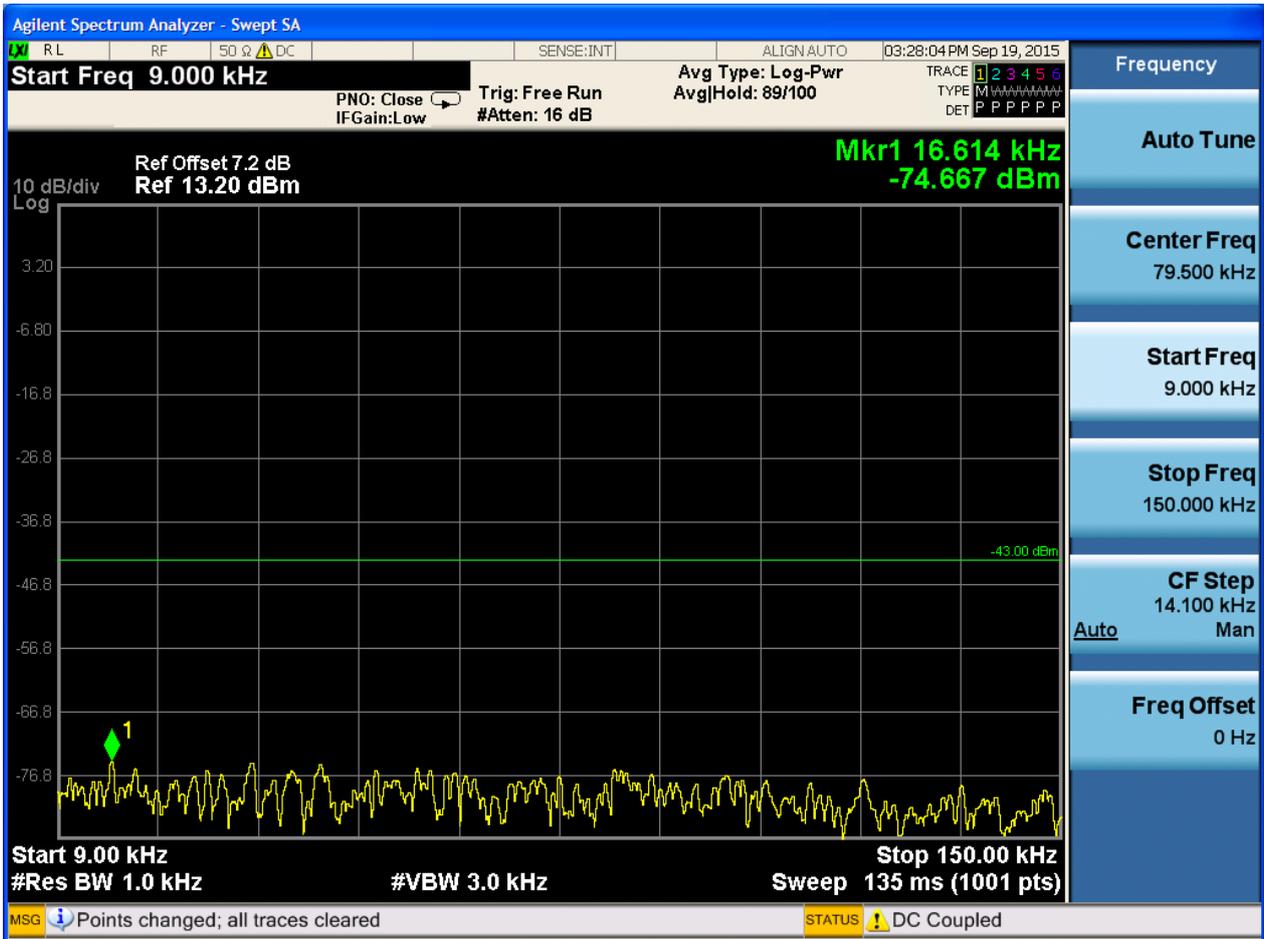


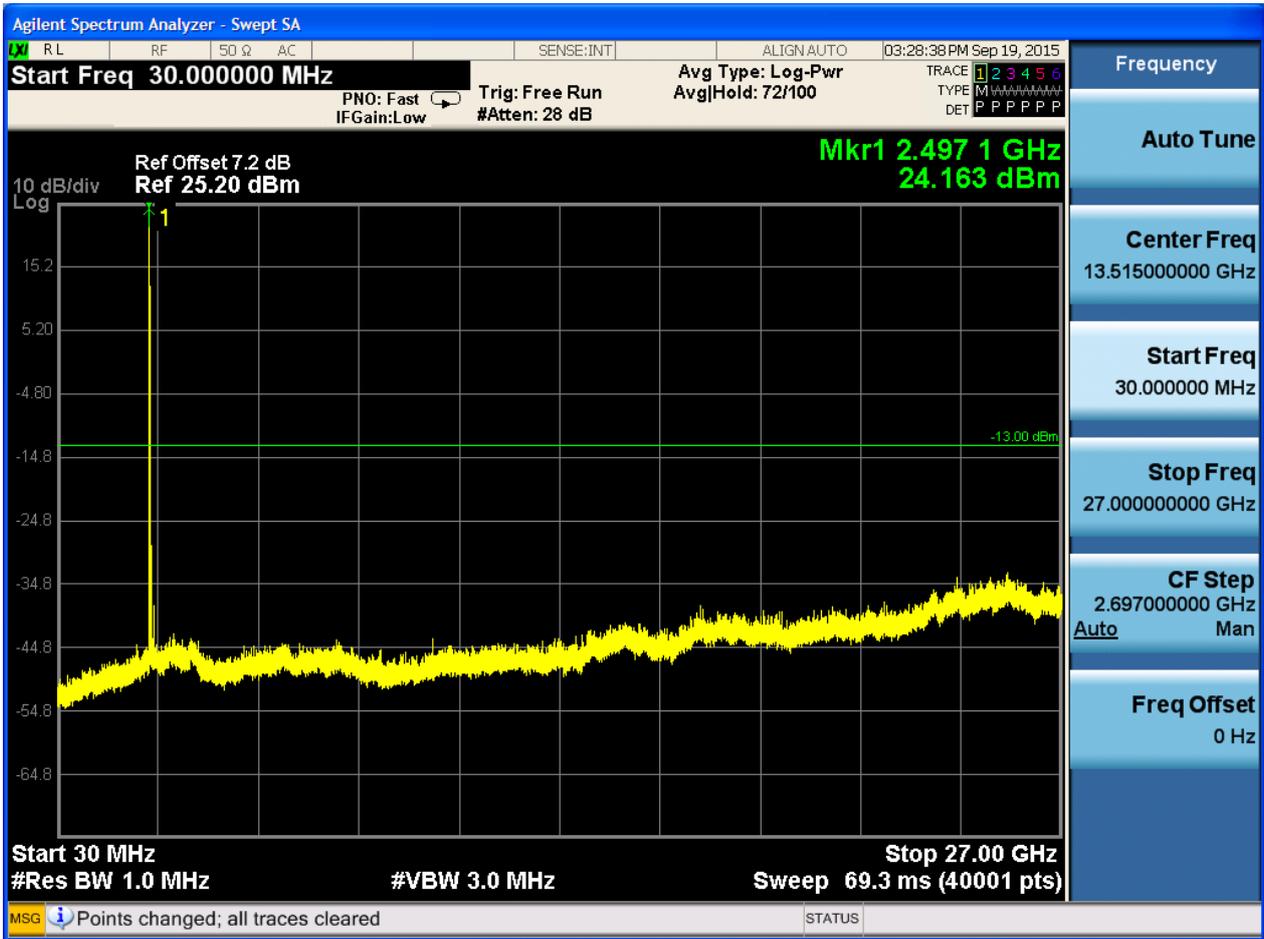


6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

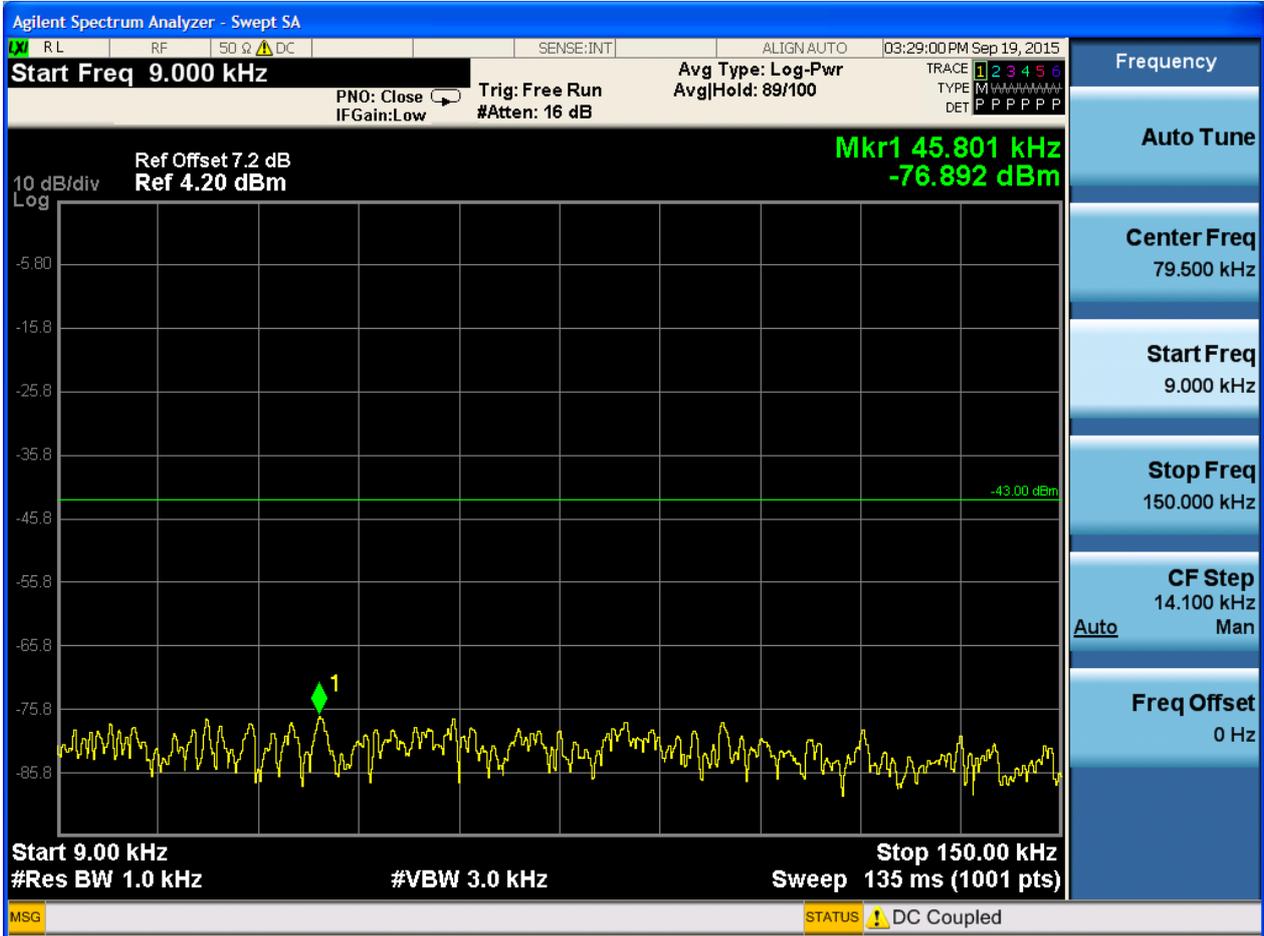


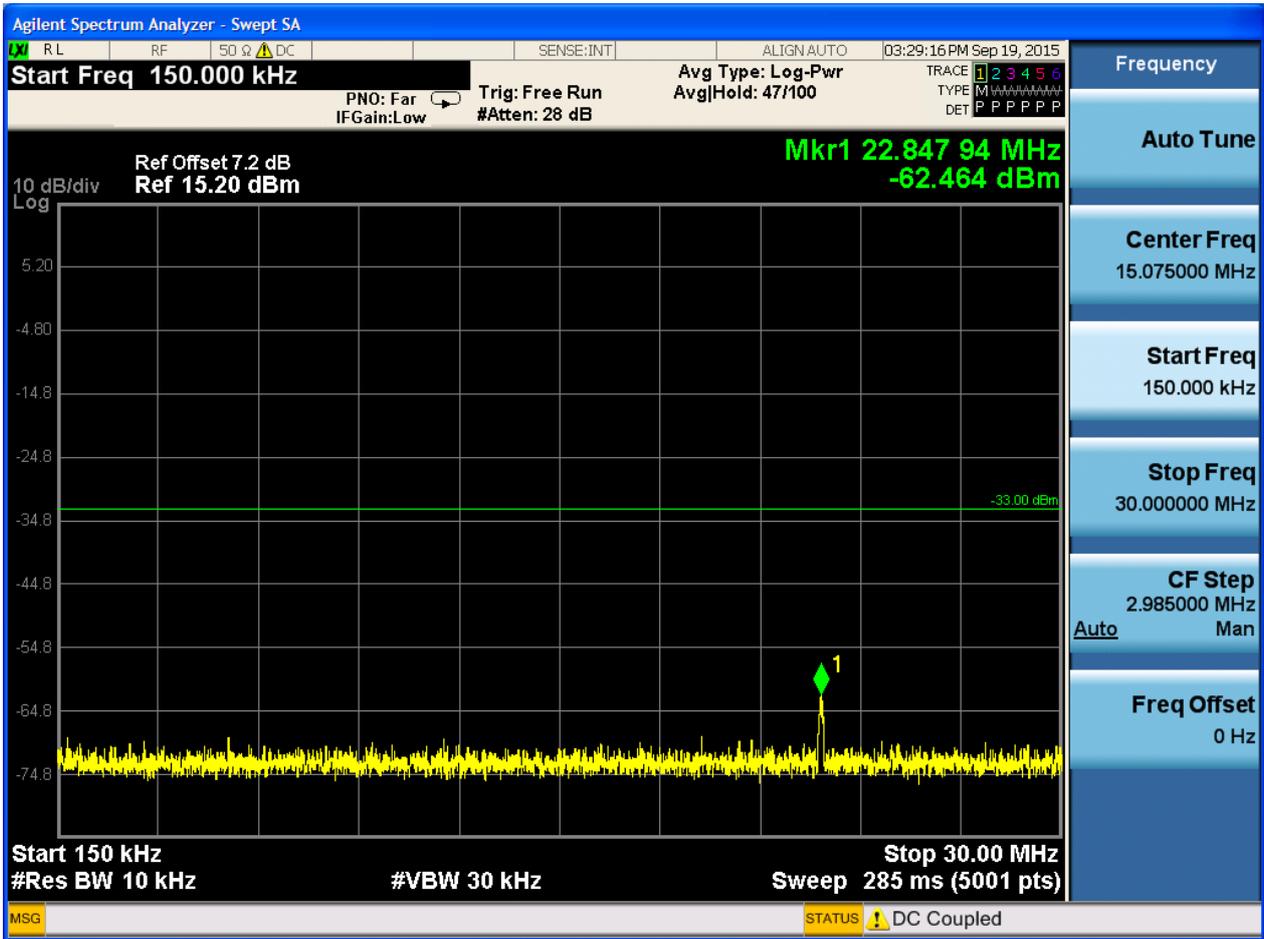


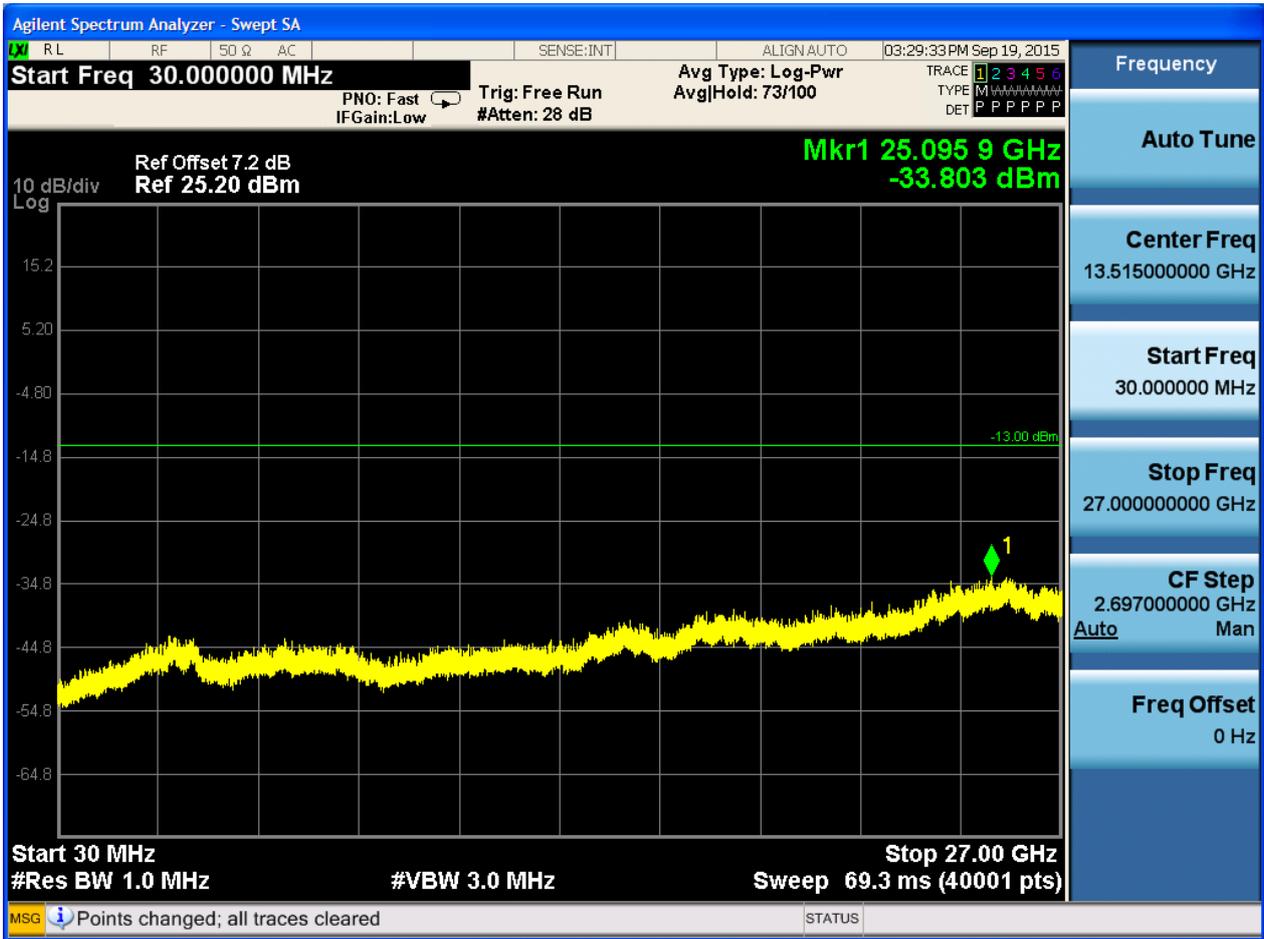


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0







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

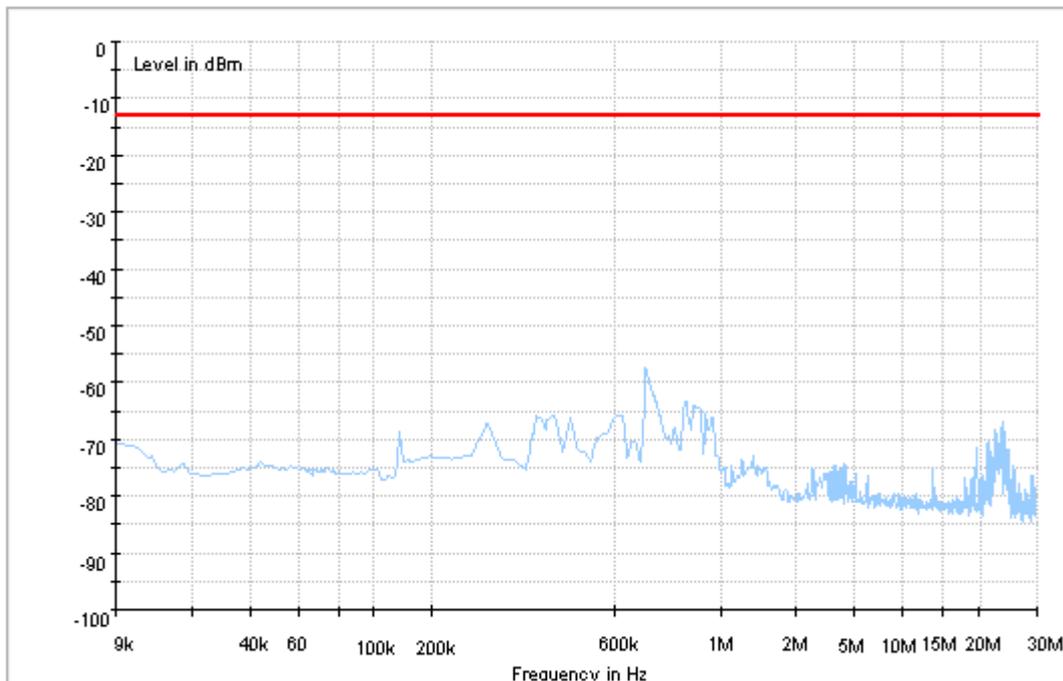
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

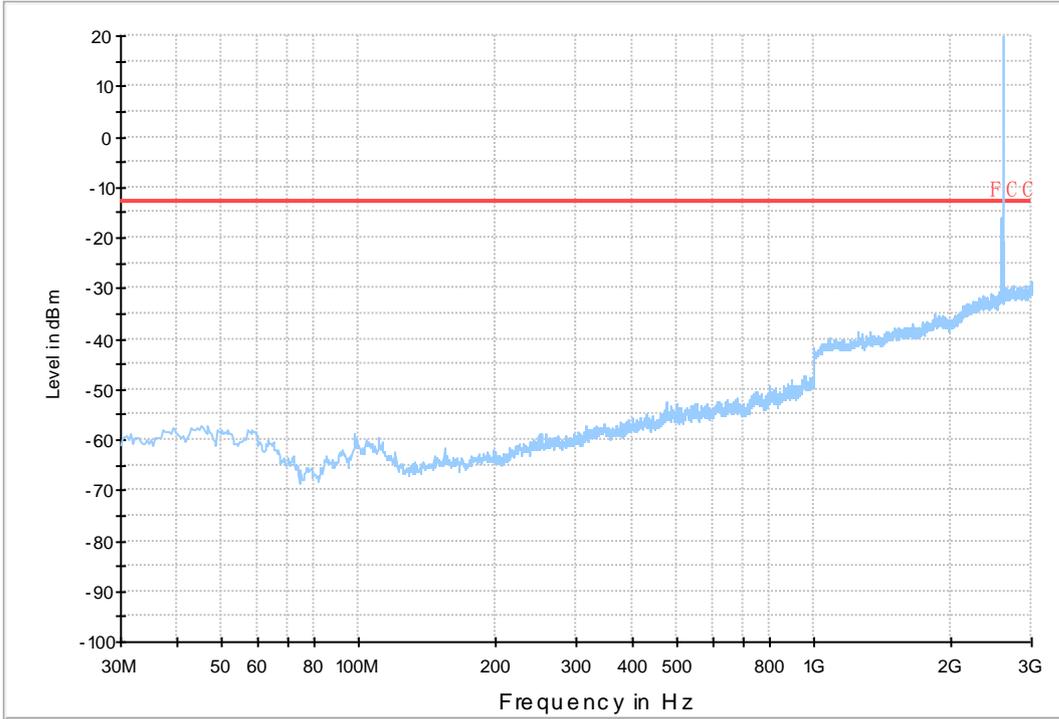
7.1 For LTE

7.1.1 Test Band = BAND41

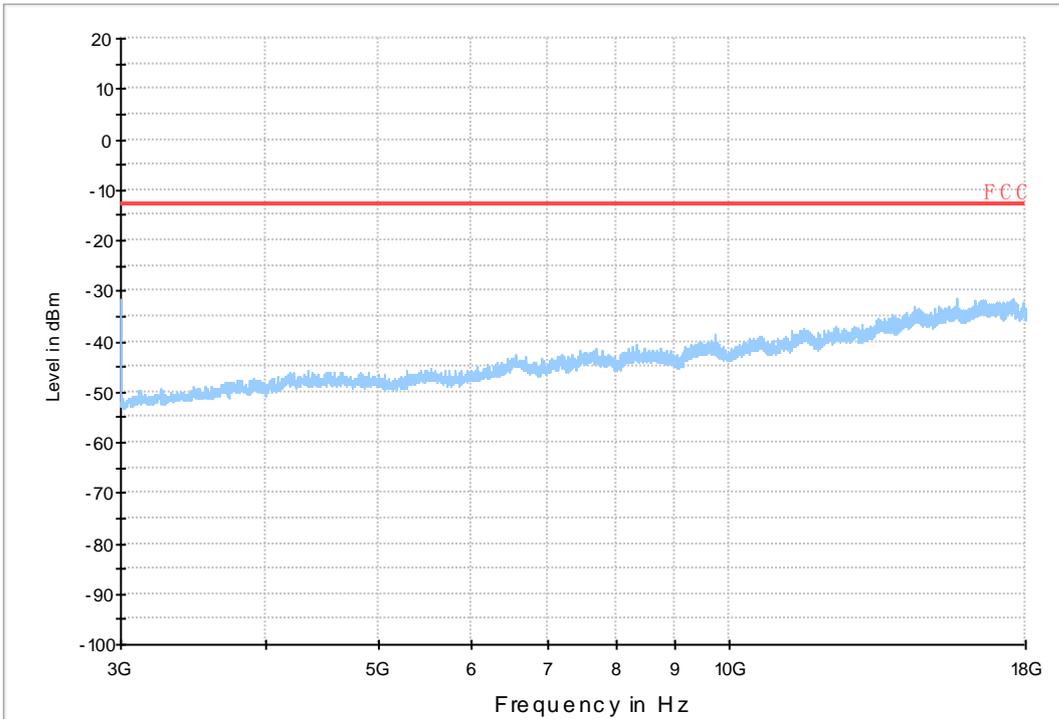
7.1.1.1 Test Bandwidth = 5

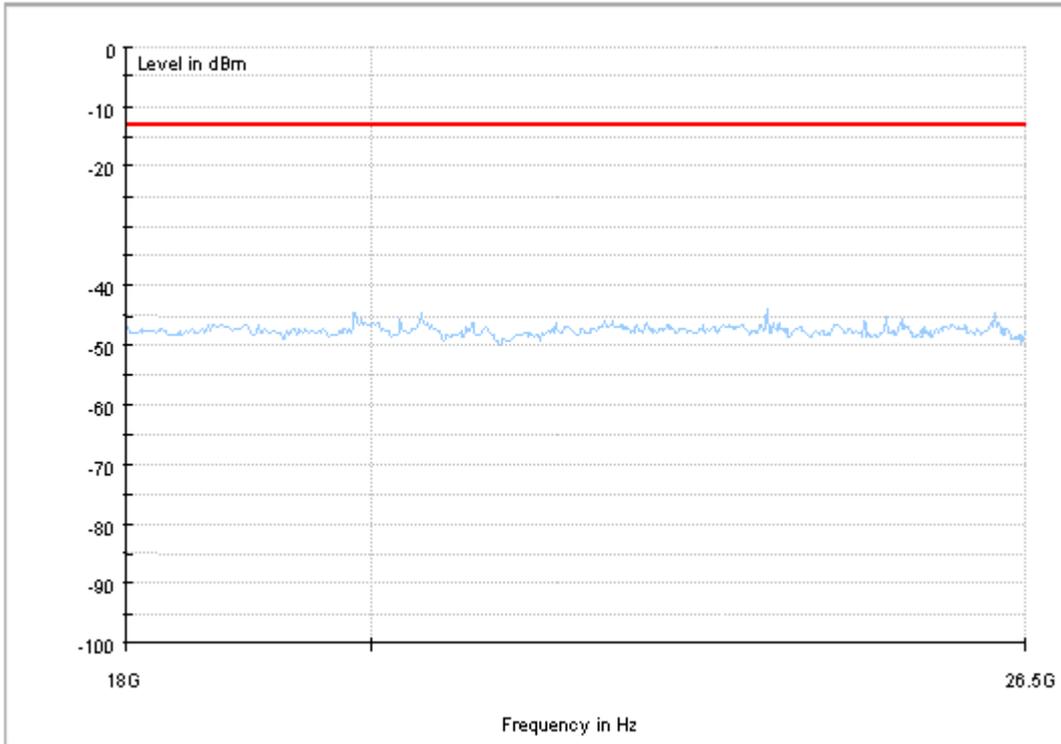


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

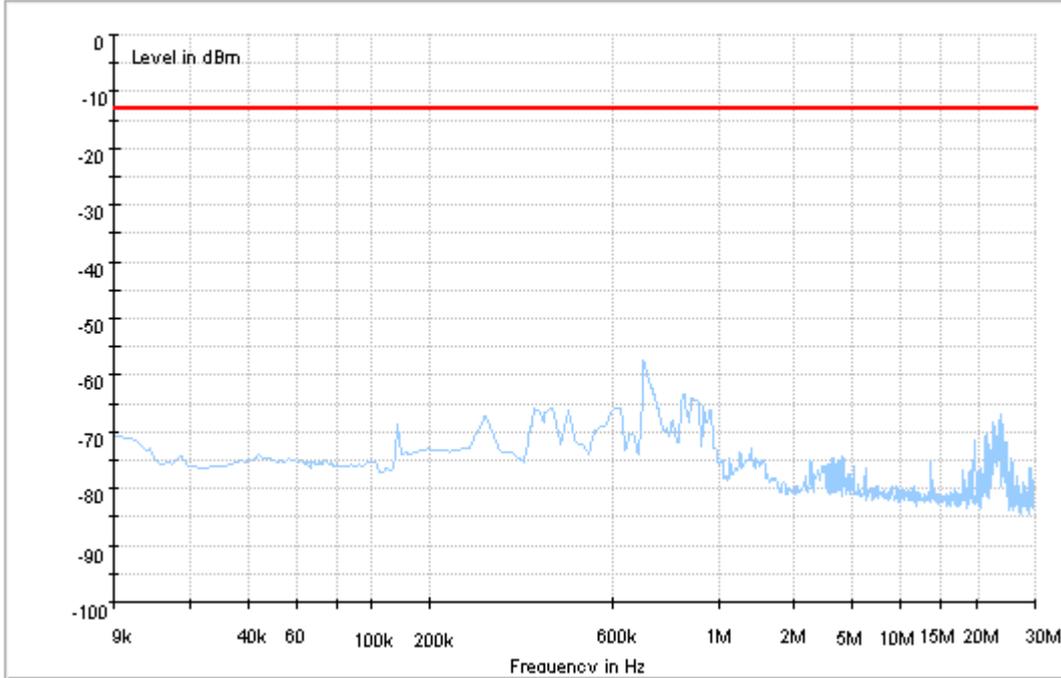


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

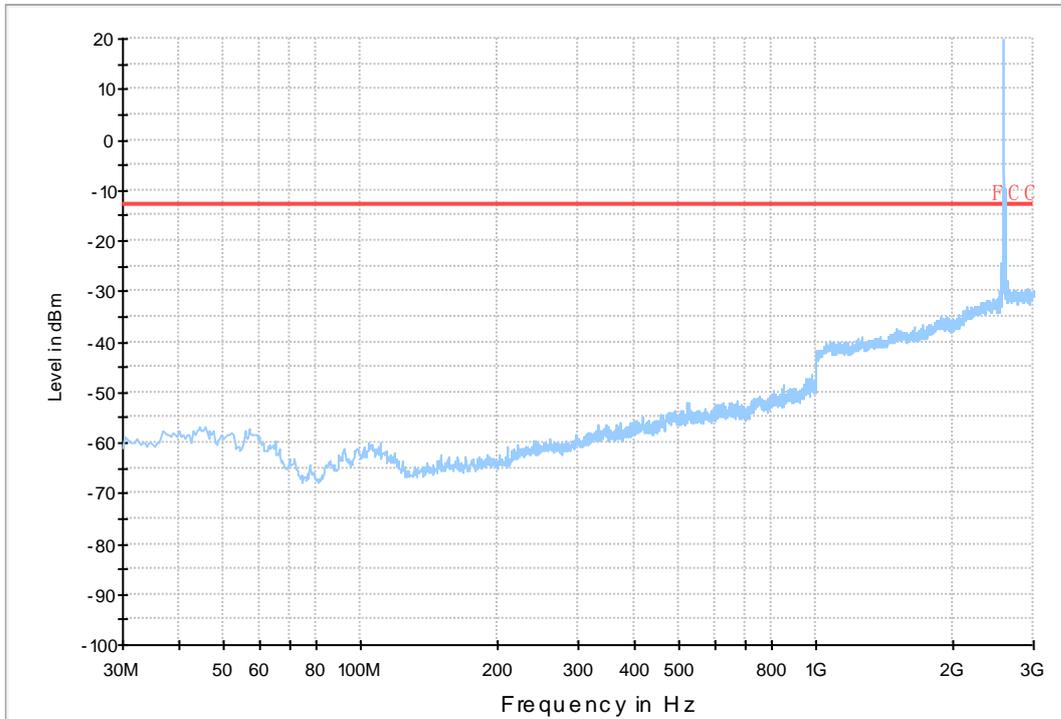




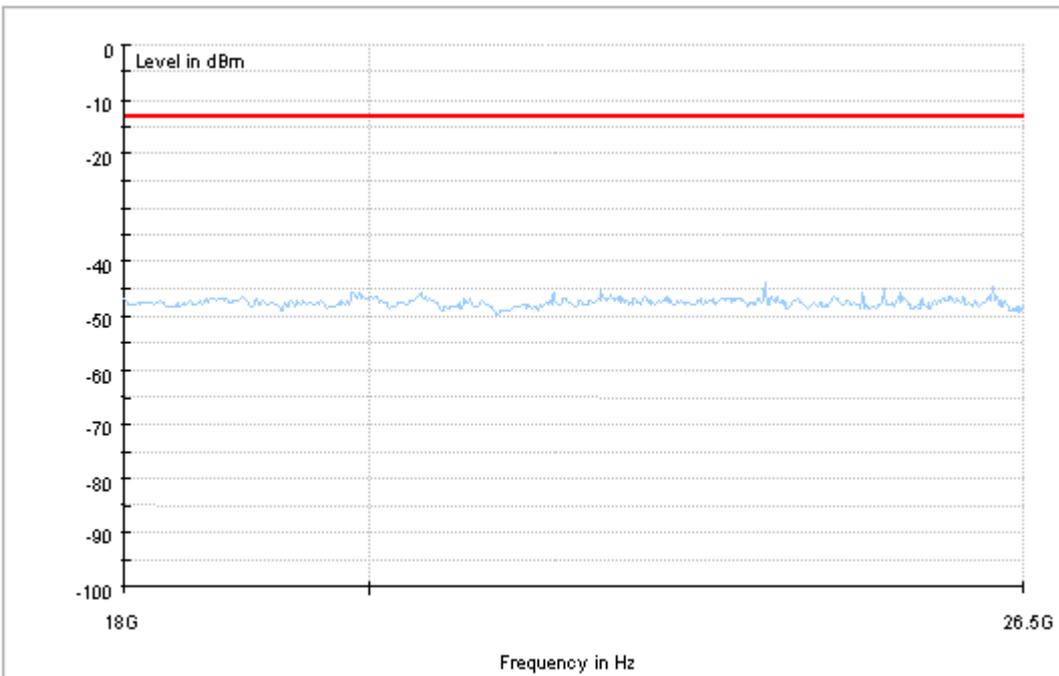
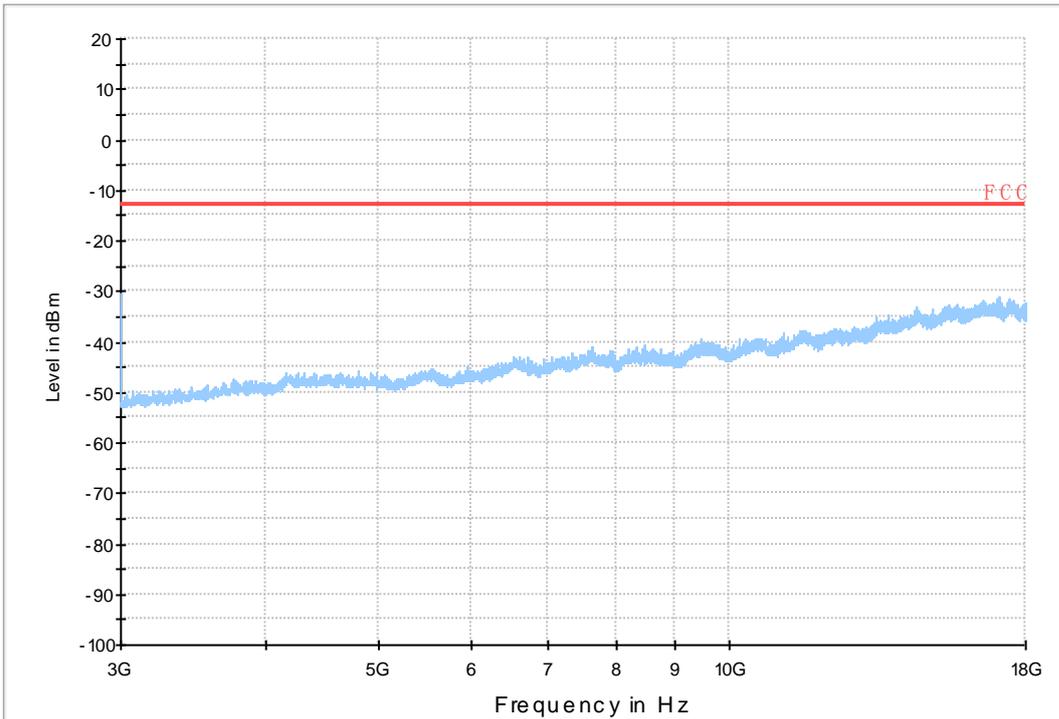
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_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
BAND41	LTE/TM1	5	LCH	TN	VL	-40.8	-0.01595	PASS
					VN	-56.85	-0.02223	PASS
					VH	-59.44	-0.02324	PASS
			MCH	TN	VL	-52.61	-0.0202	PASS
					VN	-47.09	-0.01808	PASS
					VH	-44.98	-0.01727	PASS
			HCH	TN	VL	-8.35	-0.00315	PASS
					VN	-37.74	-0.01423	PASS
					VH	-26.76	-0.01009	PASS
		10	LCH	TN	VL	-18.84	-0.00736	PASS
					VN	-22.83	-0.00892	PASS
					VH	-9.88	-0.00386	PASS
			MCH	TN	VL	-6.18	-0.00237	PASS
					VN	-16.82	-0.00646	PASS
					VH	-8.47	-0.00325	PASS
			HCH	TN	VL	-7.38	-0.00278	PASS
					VN	-6.28	-0.00237	PASS
					VH	-2.83	-0.00107	PASS
		15	LCH	TN	VL	-2.96	-0.00116	PASS
					VN	-8.61	-0.00336	PASS
					VH	-6.09	-0.00238	PASS
			MCH	TN	VL	0.04	0.00002	PASS
					VN	-0.82	-0.00031	PASS
					VH	-4.55	-0.00175	PASS
			HCH	TN	VL	1.22	0.00046	PASS
					VN	5.78	0.00218	PASS
					VH	-4.85	-0.00183	PASS
		20	LCH	TN	VL	-4.03	-0.00157	PASS
					VN	1.19	0.00046	PASS
					VH	-9.24	-0.0036	PASS
MCH	TN		VL	0.97	0.00037	PASS		
			VN	3.28	0.00126	PASS		
			VH	0.92	0.00035	PASS		
HCH	TN		VL	7.08	0.00268	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
	LTE/TM2				VN	8.15	0.00308	PASS	
					VH	8.44	0.00319	PASS	
		5	LCH	TN	VL	-18.31	-0.00716	PASS	
					VN	2.5	0.00098	PASS	
					VH	1.4	0.00055	PASS	
					VL	-45.33	-0.0174	PASS	
			MCH	TN	VN	-6.92	-0.00266	PASS	
					VH	-16.98	-0.00652	PASS	
					VL	-36.74	-0.01385	PASS	
					VN	-12.86	-0.00485	PASS	
			HCH	TN	VH	-35.31	-0.01331	PASS	
					VL	1.39	0.00054	PASS	
					VN	-0.24	-0.00009	PASS	
					VH	4.08	0.00159	PASS	
		10	LCH	TN	VL	-7.6	-0.00292	PASS	
					VN	-11.54	-0.00443	PASS	
					VH	-10.03	-0.00385	PASS	
					VL	7.67	0.00289	PASS	
			MCH	TN	VN	11.62	0.00438	PASS	
					VH	3.98	0.0015	PASS	
					VL	5.34	0.00208	PASS	
					VN	-1.49	-0.00058	PASS	
			15	LCH	TN	VH	1.19	0.00046	PASS
						VL	4.88	0.00187	PASS
						VN	1.1	0.00042	PASS
				MCH	TN	VH	-1.86	-0.00071	PASS
		VL				3.12	0.00118	PASS	
		VN				2.43	0.00092	PASS	
		20	LCH	TN	VH	6.12	0.00231	PASS	
					VL	-3.3	-0.00129	PASS	
					VN	-3.36	-0.00131	PASS	
			MCH	TN	VH	2.13	0.00083	PASS	
					VL	9.47	0.00364	PASS	
					VN	3.71	0.00142	PASS	
		HCH	TN	VH	7.22	0.00277	PASS		
				VL	9.96	0.00377	PASS		
				VN	15.75	0.00595	PASS		
		VH	15.35	0.0058	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
BAND41	LTE/TM1	5	LCH	VN	-30	29.45	0.01152	PASS
					-20	30.43	0.0119	PASS
					-10	13.06	0.00511	PASS
					0	4.38	0.00171	PASS
					10	33.65	0.01316	PASS
					20	31.31	0.01224	PASS
					30	4.72	0.00185	PASS
					40	-24.15	-0.00944	PASS
			50	1.46	0.00057	PASS		
			MCH	VN	-30	0.09	0.00003	PASS
					-20	12.46	0.00478	PASS
					-10	13.95	0.00536	PASS
					0	-12.83	-0.00493	PASS
					10	15.21	0.00584	PASS
					20	-3.58	-0.00137	PASS
					30	2.4	0.00092	PASS
					40	21.57	0.00828	PASS
			50	20.94	0.00804	PASS		
			HCH	VN	-30	37.42	0.01411	PASS
					-20	31.61	0.01192	PASS
					-10	-1.73	-0.00065	PASS
					0	-1.97	-0.00074	PASS
					10	38.51	0.01452	PASS
					20	3.58	0.00135	PASS
		30			11.52	0.00434	PASS	
		40			17.61	0.00664	PASS	
		50	-9.98	-0.00376	PASS			
		10	LCH	VN	-30	-2.37	-0.00093	PASS
					-20	10.8	0.00422	PASS
					-10	5.58	0.00218	PASS
					0	8.96	0.0035	PASS
					10	6.18	0.00241	PASS
20	1.16				0.00045	PASS		
30	-4.81				-0.00188	PASS		
40	-2.2				-0.00086	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	50	0.19	0.00007	PASS
					-30	1.16	0.00045	PASS
					-20	10.34	0.00397	PASS
					-10	13.72	0.00527	PASS
					0	-0.57	-0.00022	PASS
					10	-12.07	-0.00463	PASS
					20	2.66	0.00102	PASS
					30	2.03	0.00078	PASS
					40	5.34	0.00205	PASS
					50	3.16	0.00121	PASS
			HCH	VN	-30	8.11	0.00306	PASS
					-20	-4.72	-0.00178	PASS
					-10	4.78	0.0018	PASS
					0	-4.16	-0.00157	PASS
					10	10.09	0.00381	PASS
					20	8.94	0.00337	PASS
					30	10.43	0.00394	PASS
					40	7.27	0.00274	PASS
					50	9.63	0.00363	PASS
					15	LCH	VN	-30
		-20	1.92	0.00075				PASS
		-10	1.97	0.00077				PASS
		0	4.42	0.00172				PASS
		10	0.39	0.00015				PASS
		20	-2.46	-0.00096				PASS
		30	-0.1	-0.00004				PASS
		40	-1.76	-0.00069				PASS
		50	0.79	0.00031				PASS
		MCH	VN	-30				-2.42
				-20		0.2	0.00008	PASS
				-10		-1.86	-0.00071	PASS
				0		-0.04	-0.00002	PASS
				10		-3.32	-0.00127	PASS
				20		0.93	0.00036	PASS
				30		2.62	0.00101	PASS
				40		1.16	0.00045	PASS
		HCH	VN	-30		5.69	0.00215	PASS
				-20		5.87	0.00222	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict					
					-10	2.78	0.00105	PASS					
					0	2.36	0.00089	PASS					
					10	2.25	0.00085	PASS					
					20	3.83	0.00145	PASS					
					30	2.63	0.00099	PASS					
					40	9.07	0.00343	PASS					
					50	5.84	0.00221	PASS					
					LCH	VN				-30	-2.09	-0.00081	PASS
										-20	-2.9	-0.00113	PASS
										-10	-4.36	-0.0017	PASS
		0	-5.14	-0.002						PASS			
		10	-5.48	-0.00214						PASS			
		20	-6.81	-0.00265						PASS			
		30	-2.78	-0.00108						PASS			
		40	-4.72	-0.00184						PASS			
		50	-1.75	-0.00068						PASS			
		MCH	VN	20								-30	-1.32
					-20	-1.65	-0.00063	PASS					
					-10	2.12	0.00081	PASS					
					0	2.6	0.001	PASS					
	10				-0.07	-0.00003	PASS						
	20				4.59	0.00176	PASS						
	30				1.65	0.00063	PASS						
	40				1.75	0.00067	PASS						
	50				5.85	0.00225	PASS						
	HCH				VN	20			-30			10.97	0.00415
		-20	15.39	0.00582					PASS				
		-10	11.6	0.00439					PASS				
		0	15.66	0.00592					PASS				
		10	13.79	0.00521					PASS				
		20	11.32	0.00428					PASS				
		30	14.79	0.00559					PASS				
		40	12.99	0.00491					PASS				
		50	20.27	0.00766					PASS				
		LTE/TM2	5	LCH					VN		-30	18.14	0.00709
	-20				34.68	0.01356	PASS						
	-10				10.47	0.00409	PASS						
	0				15.51	0.00606	PASS						
	10				38.51	0.01506	PASS						

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	40.14	0.0157	PASS
					30	4.15	0.00162	PASS
					40	8.61	0.00337	PASS
					50	34.42	0.01346	PASS
			MCH	VN	-30	21.13	0.00811	PASS
					-20	26.91	0.01033	PASS
					-10	20.56	0.00789	PASS
					0	21.93	0.00842	PASS
					10	32.1	0.01232	PASS
					20	12.02	0.00461	PASS
					30	-2.1	-0.00081	PASS
					40	29.48	0.01132	PASS
			HCH	VN	50	14.83	0.00569	PASS
					-30	45.38	0.01711	PASS
					-20	26.41	0.00996	PASS
					-10	19.17	0.00723	PASS
		0			9.77	0.00368	PASS	
		10			23.26	0.00877	PASS	
		20			22.85	0.00861	PASS	
		30			34.88	0.01315	PASS	
		10	LCH	VN	40	40.05	0.0151	PASS
					50	28.17	0.01062	PASS
					-30	22.43	0.00876	PASS
					-20	17.01	0.00664	PASS
					-10	23.79	0.00929	PASS
					0	14.23	0.00556	PASS
					10	21.09	0.00824	PASS
					20	6.47	0.00253	PASS
			MCH	VN	30	9.07	0.00354	PASS
					40	8.44	0.0033	PASS
					50	14.25	0.00557	PASS
					-30	2.68	0.00103	PASS
-20	9.97				0.00383	PASS		
-10	9				0.00345	PASS		
0	12.1				0.00464	PASS		
10	8.65				0.00332	PASS		
20	9.34	0.00359	PASS					
30	12.26	0.00471	PASS					
40	9.44	0.00362	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
			HCH	VN	50	8.75	0.00336	PASS			
					-30	10.7	0.00404	PASS			
					-20	11.96	0.00451	PASS			
					-10	10.16	0.00383	PASS			
					0	9.23	0.00348	PASS			
					10	20.4	0.0077	PASS			
					20	17.74	0.00669	PASS			
					30	12.95	0.00489	PASS			
					40	3.43	0.00129	PASS			
					50	17.8	0.00672	PASS			
			15	LCH	VN	-30	6.92	0.0027	PASS		
						-20	6.62	0.00258	PASS		
						-10	9.86	0.00385	PASS		
						0	7.3	0.00285	PASS		
						10	2.6	0.00101	PASS		
						20	6.75	0.00263	PASS		
						30	-1.13	-0.00044	PASS		
						40	2.19	0.00085	PASS		
				50	7.37	0.00288	PASS				
				MCH	VN	-30	4.52	0.00174	PASS		
						-20	2.47	0.00095	PASS		
						-10	4.31	0.00165	PASS		
						0	0.97	0.00037	PASS		
						10	7.6	0.00292	PASS		
						20	2.26	0.00087	PASS		
						30	5.31	0.00204	PASS		
						40	6.35	0.00244	PASS		
				HCH	VN	-30	7.82	0.00295	PASS		
						-20	7.52	0.00284	PASS		
						-10	7.78	0.00294	PASS		
						0	4.56	0.00172	PASS		
						10	10.8	0.00408	PASS		
						20	5.22	0.00197	PASS		
						30	0.09	0.00003	PASS		
						40	9.07	0.00343	PASS		
					20	LCH	VN	-30	0.93	0.00036	PASS
								-20	3.52	0.00137	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					-10	4.36	0.0017	PASS			
					0	2	0.00078	PASS			
					10	0.47	0.00018	PASS			
					20	-1.69	-0.00066	PASS			
					30	-0.56	-0.00022	PASS			
					40	-3.35	-0.00131	PASS			
					50	-2.45	-0.00096	PASS			
			MCH	VN	-30	3.45	0.00132	PASS			
					-20	4.73	0.00182	PASS			
					-10	4.96	0.0019	PASS			
					0	3.99	0.00153	PASS			
					10	4.38	0.00168	PASS			
					20	5.19	0.00199	PASS			
					30	5.08	0.00195	PASS			
					40	4.71	0.00181	PASS			
			HCH	VN	-30	13.86	0.00524	PASS			
					-20	13.2	0.00499	PASS			
					-10	14.35	0.00543	PASS			
					0	17.54	0.00663	PASS			
					10	13.25	0.00501	PASS			
					20	10.07	0.00381	PASS			
					30	9.21	0.00348	PASS			
					40	6.85	0.00259	PASS			
								50	16.52	0.00625	PASS

END