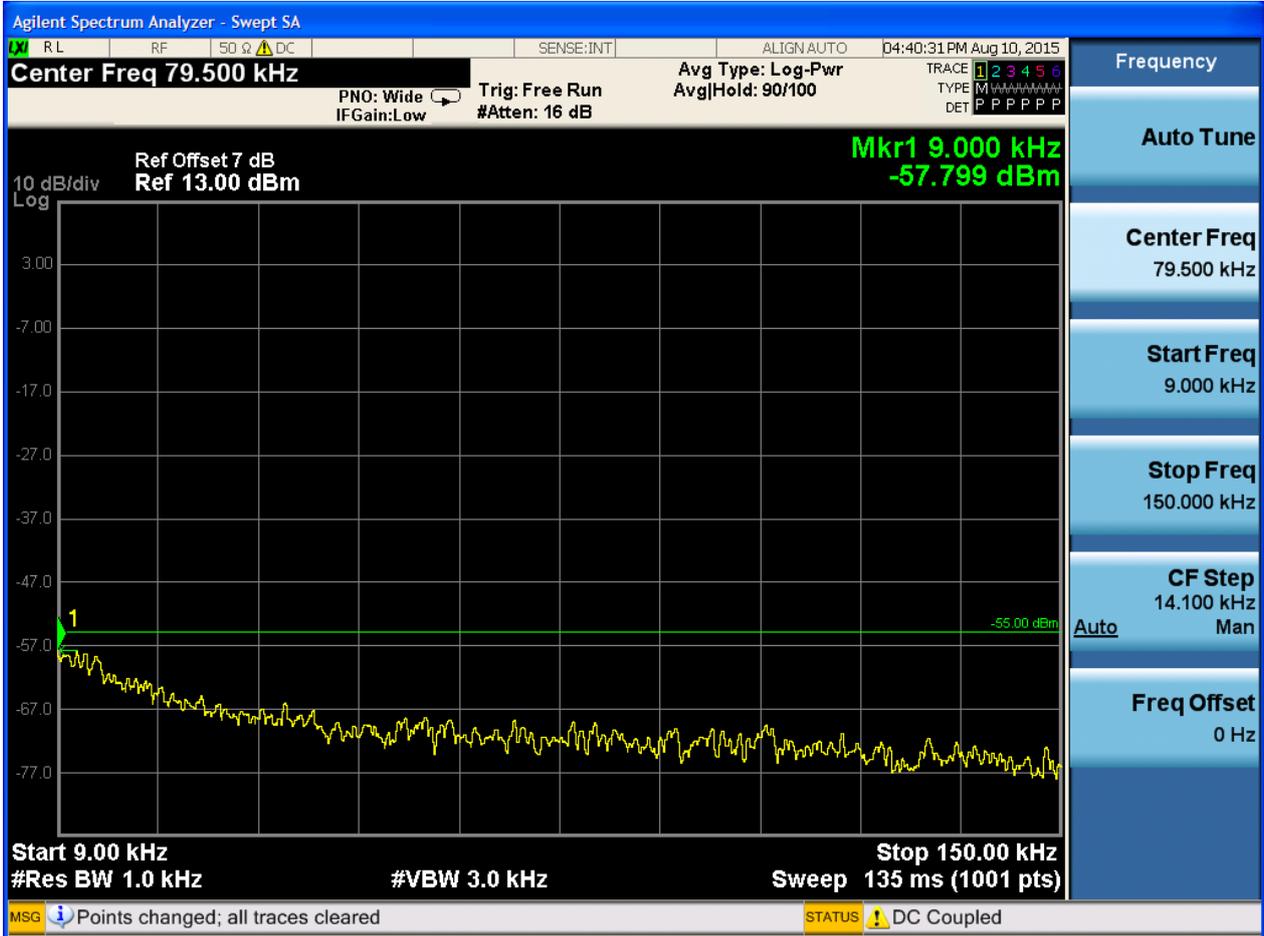


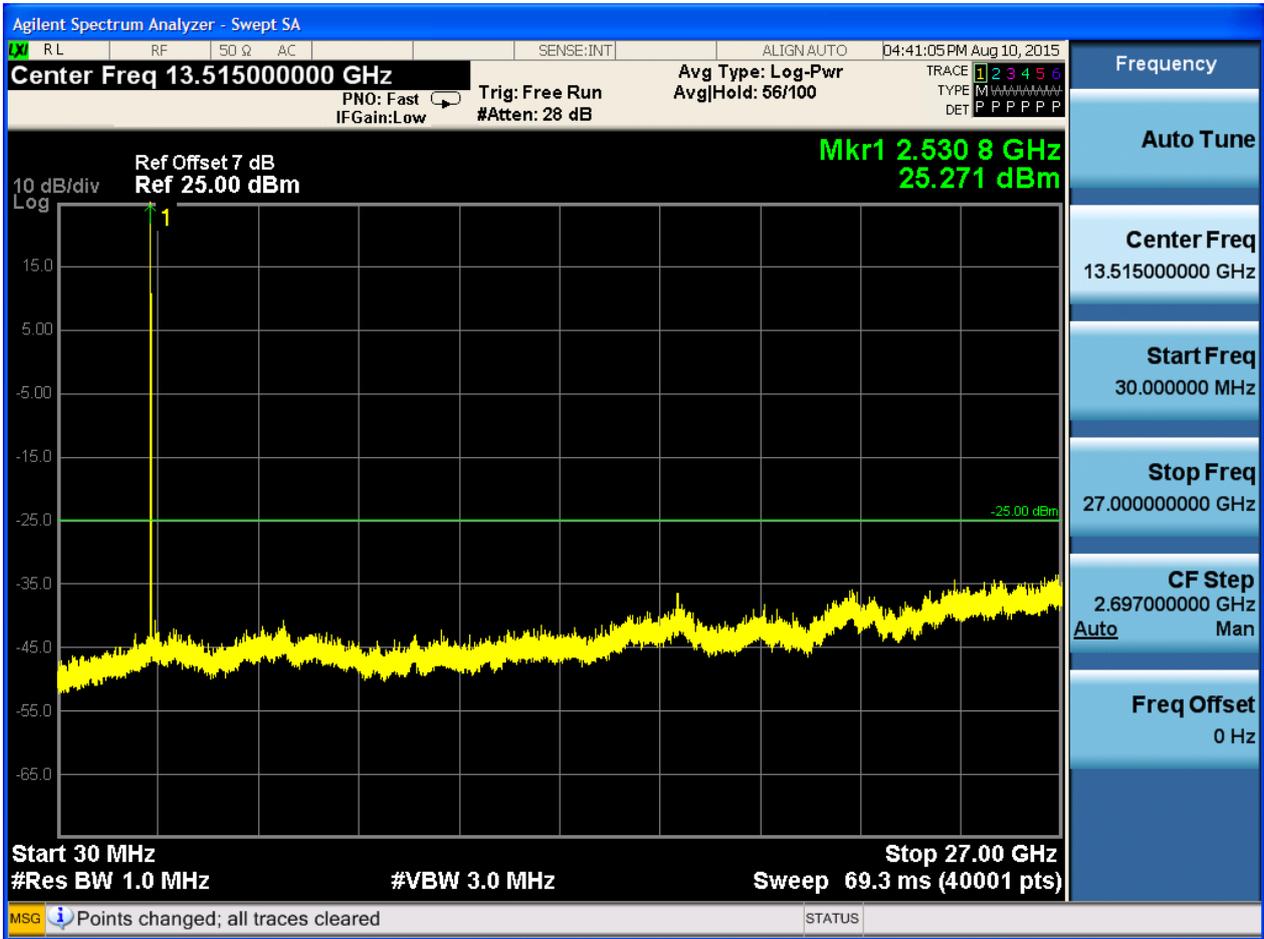


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



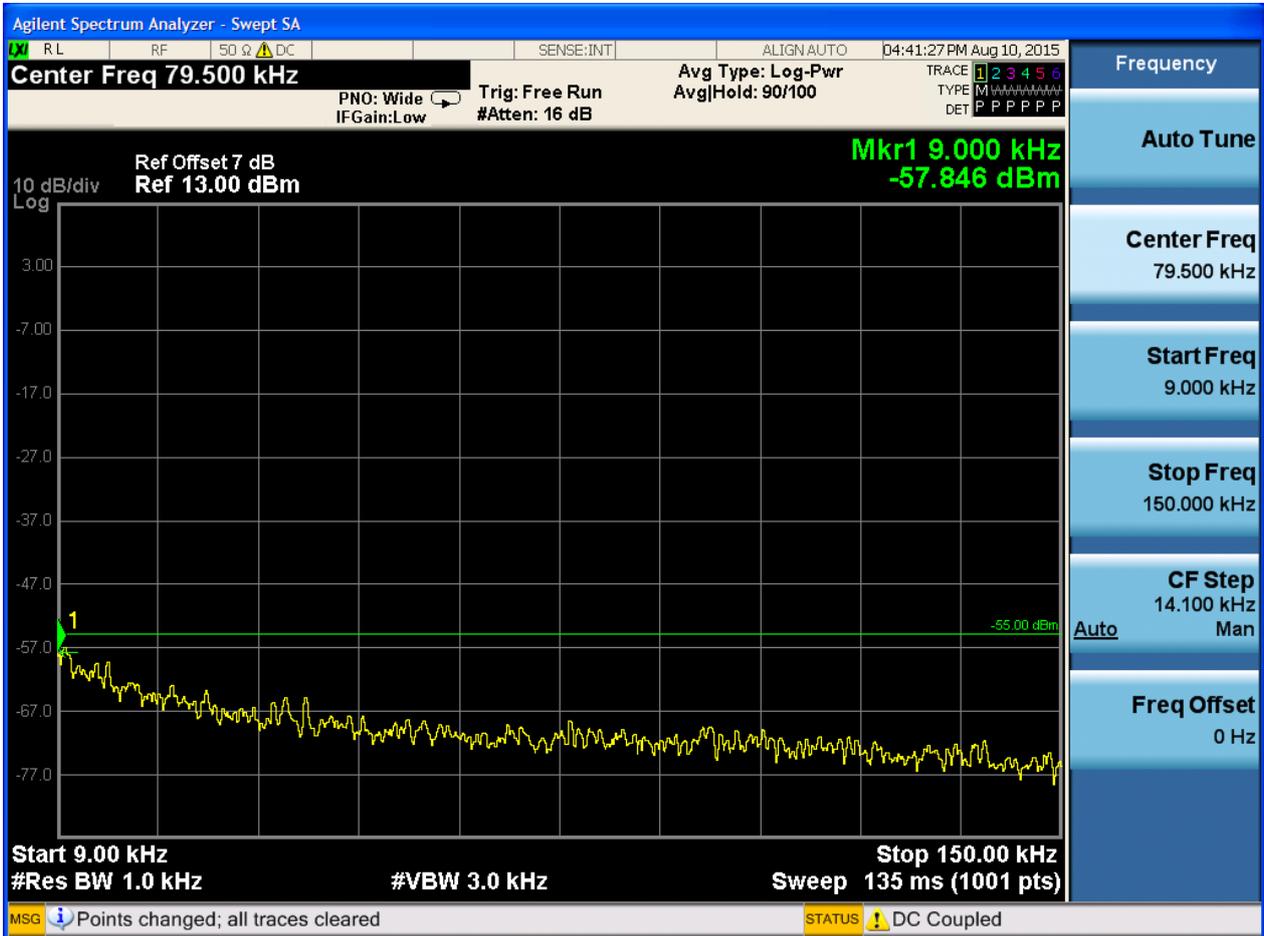


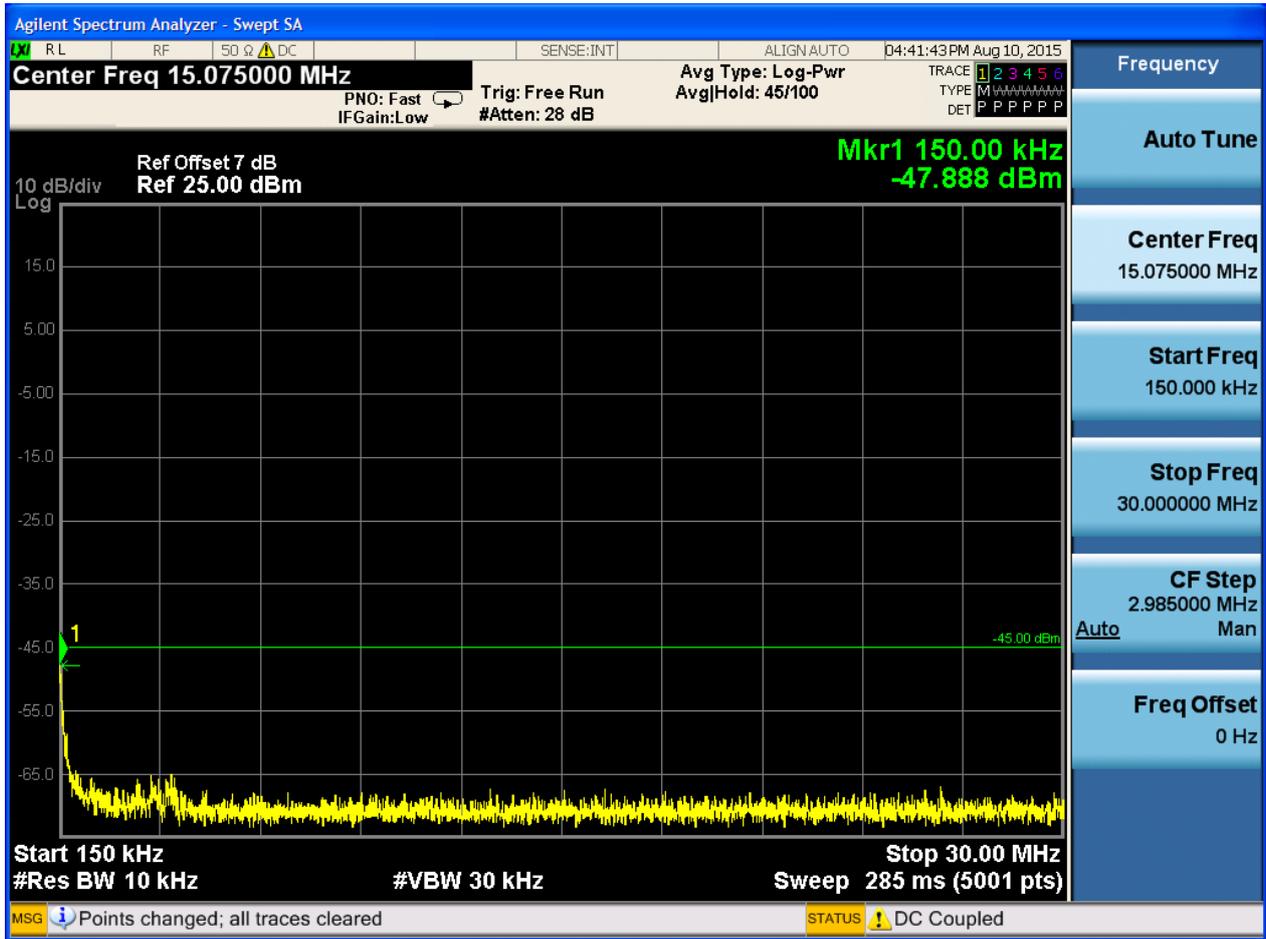


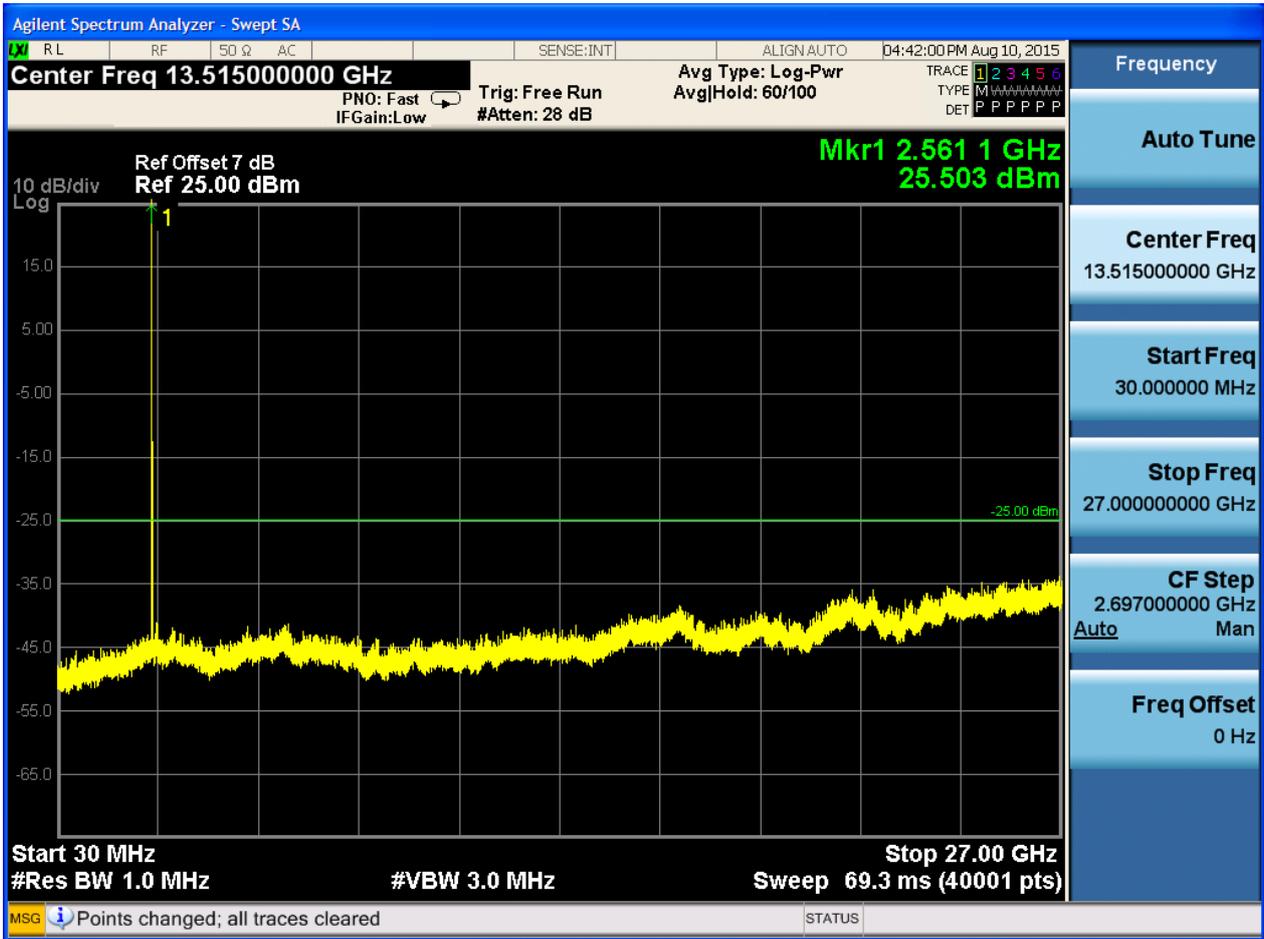


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





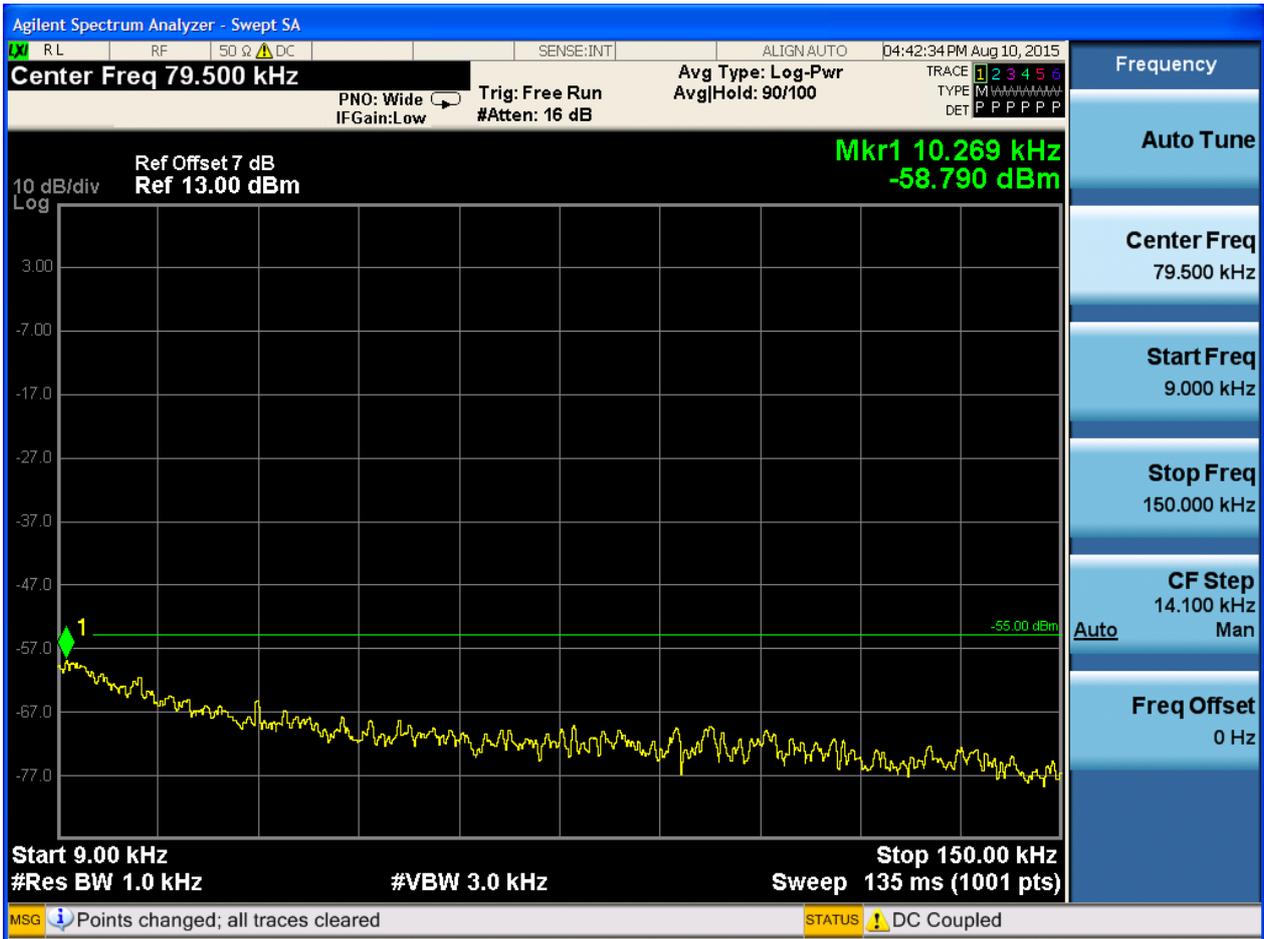




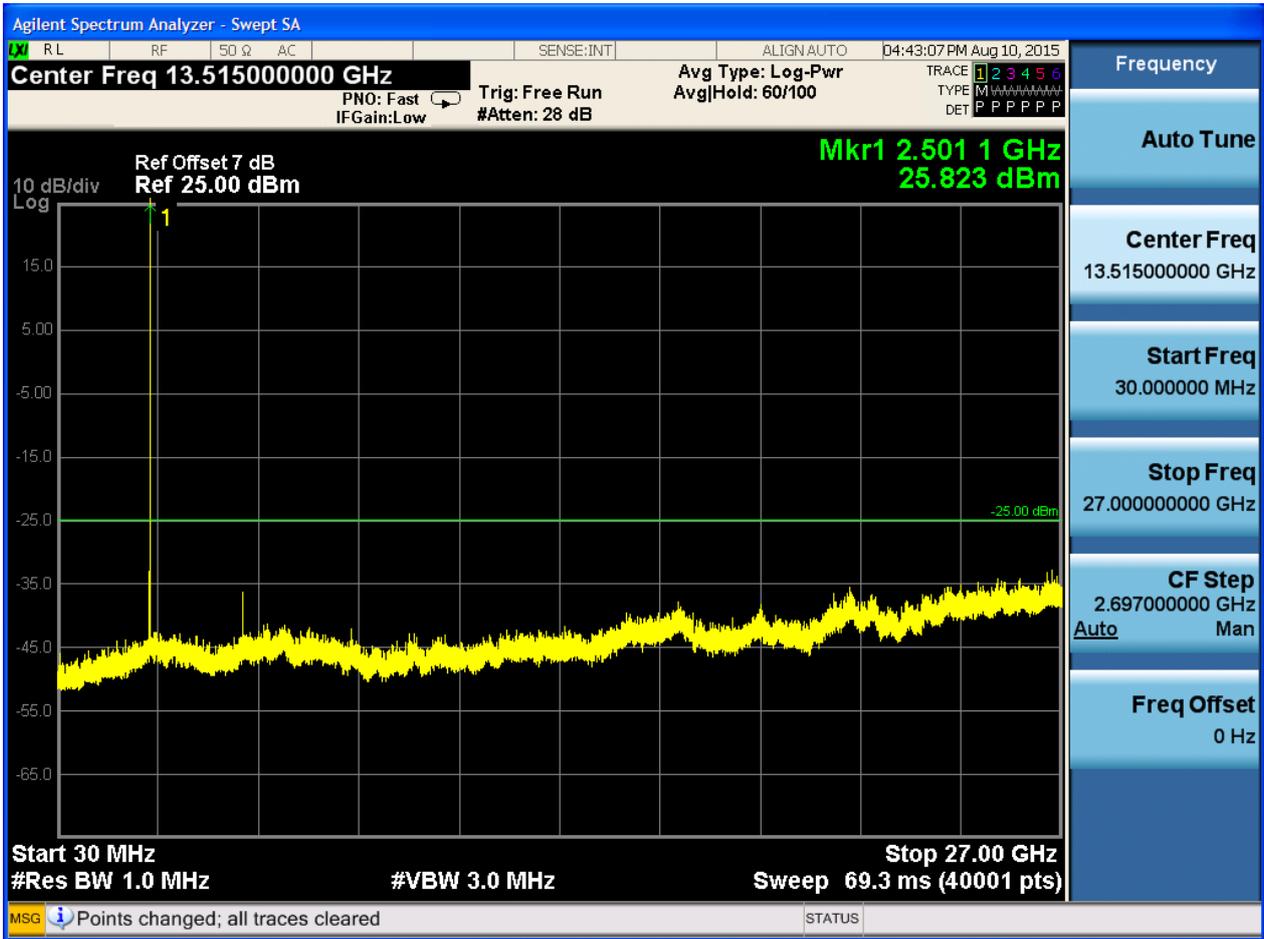
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



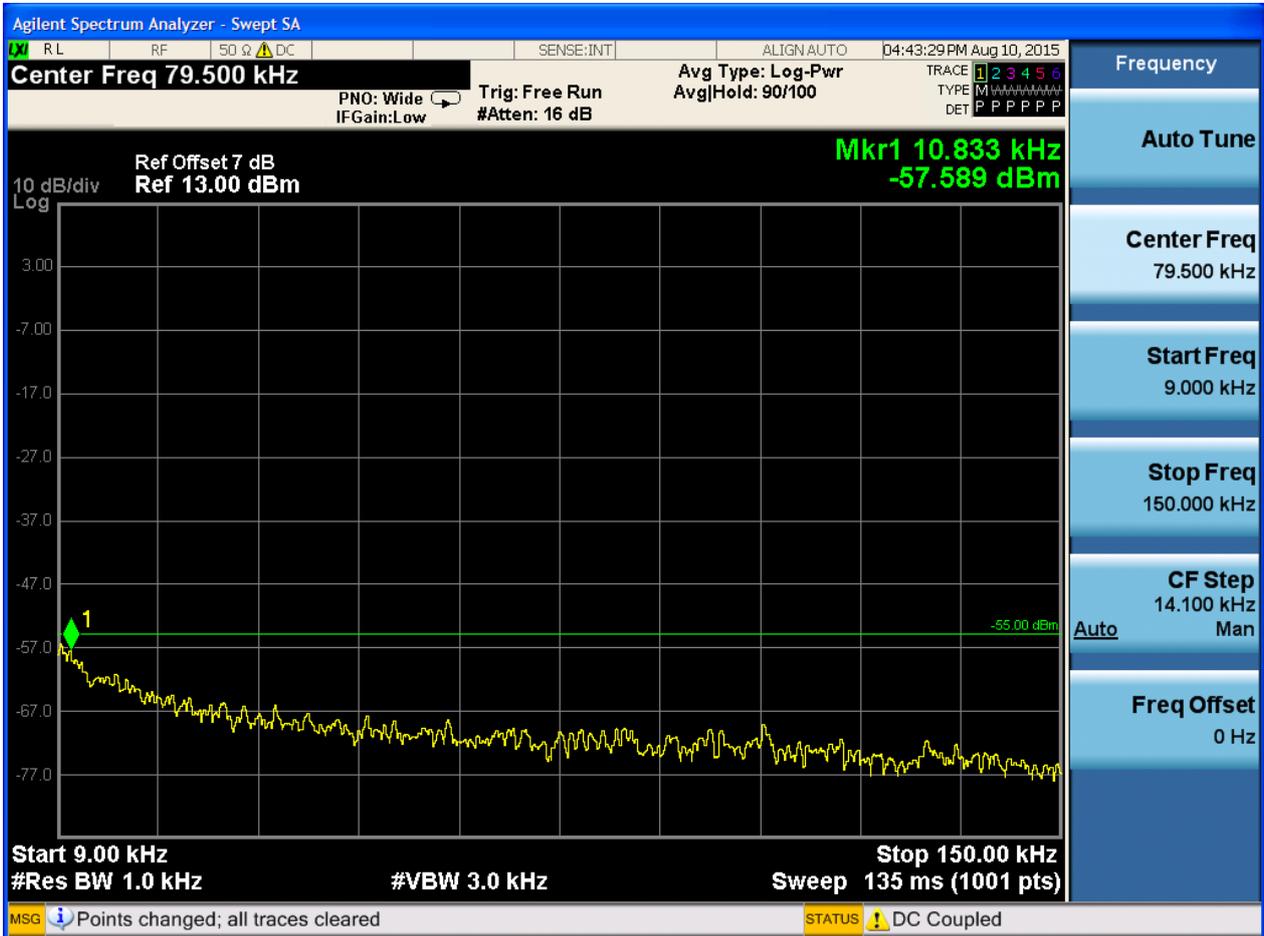


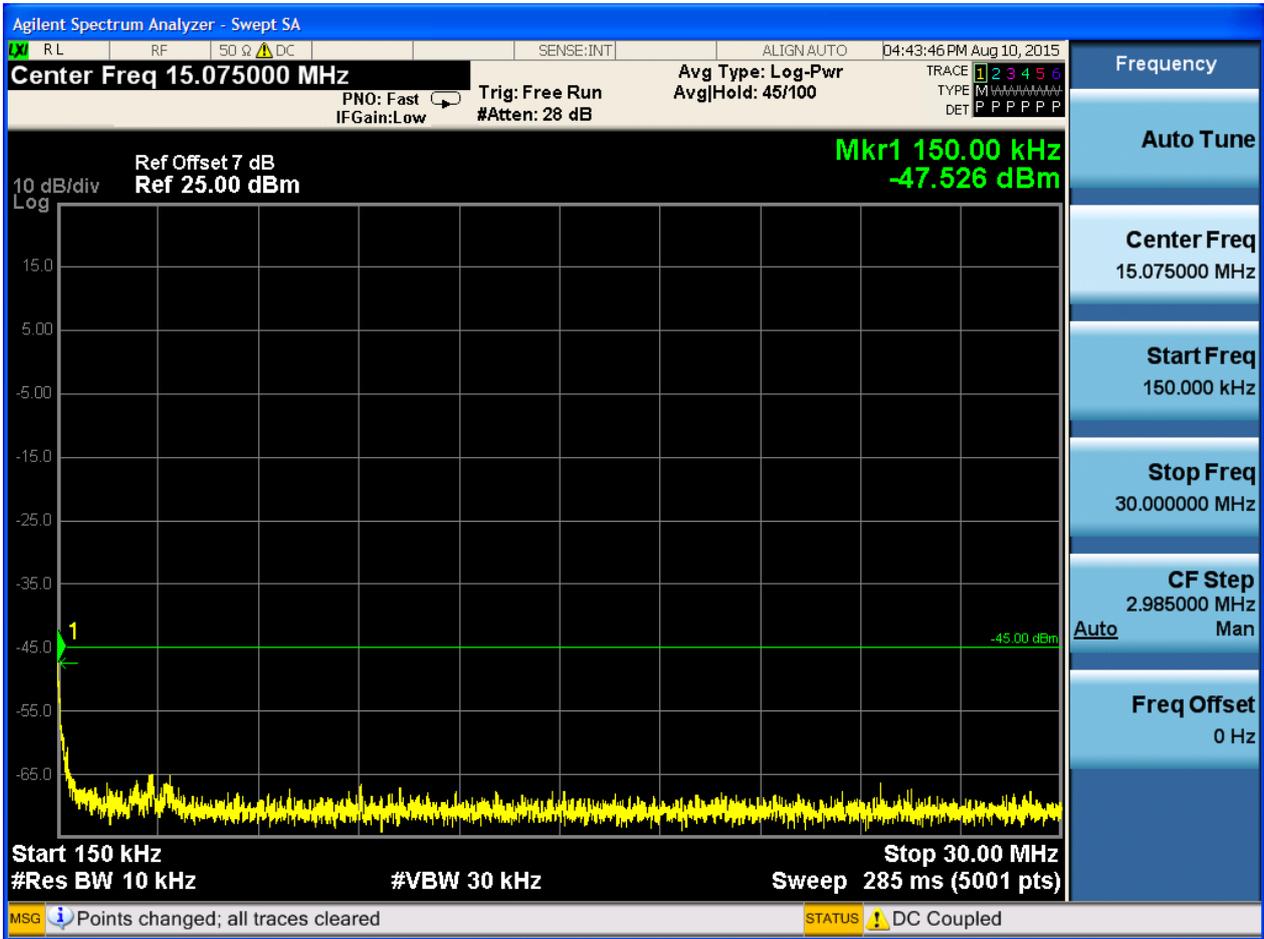


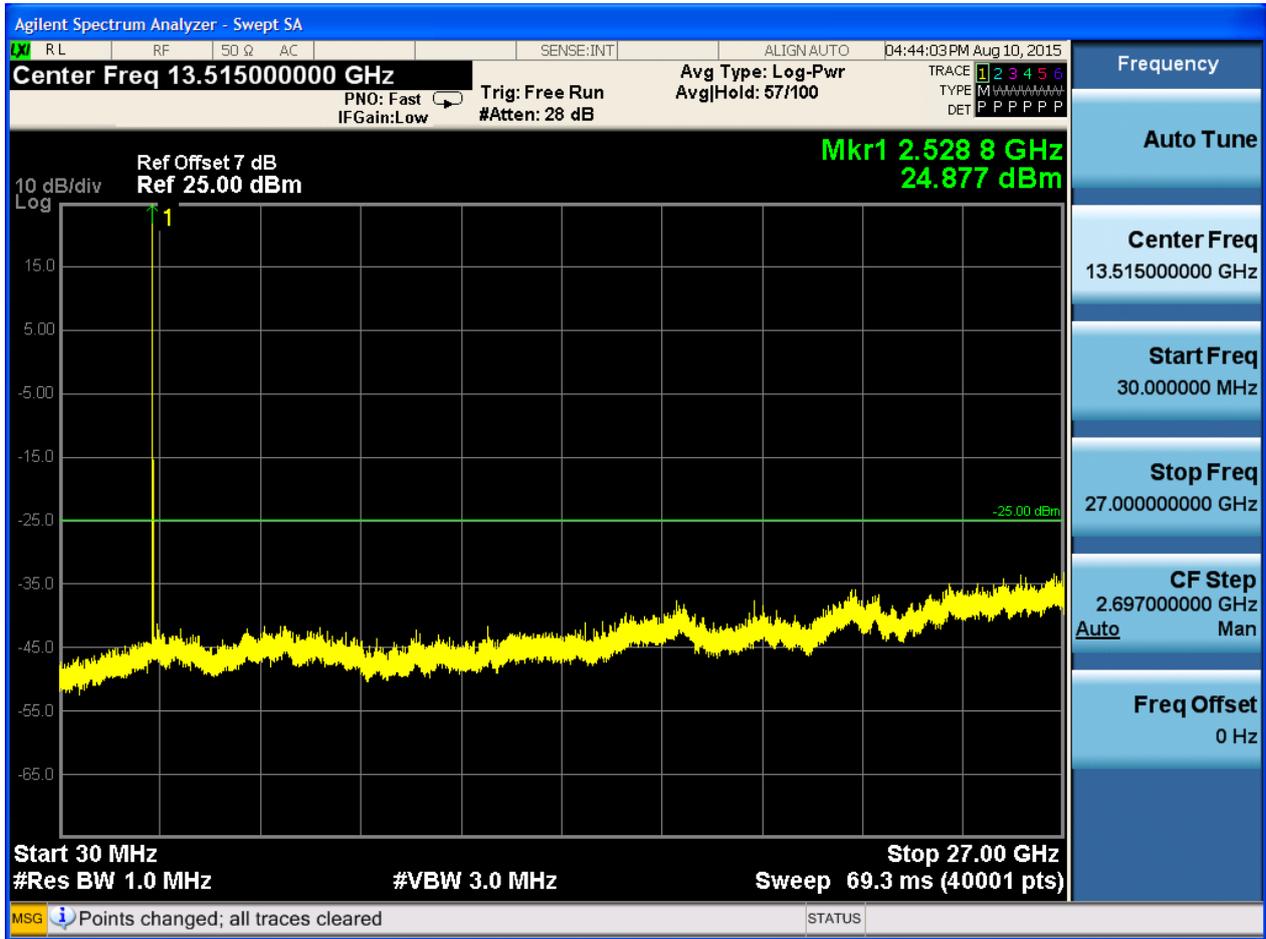


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



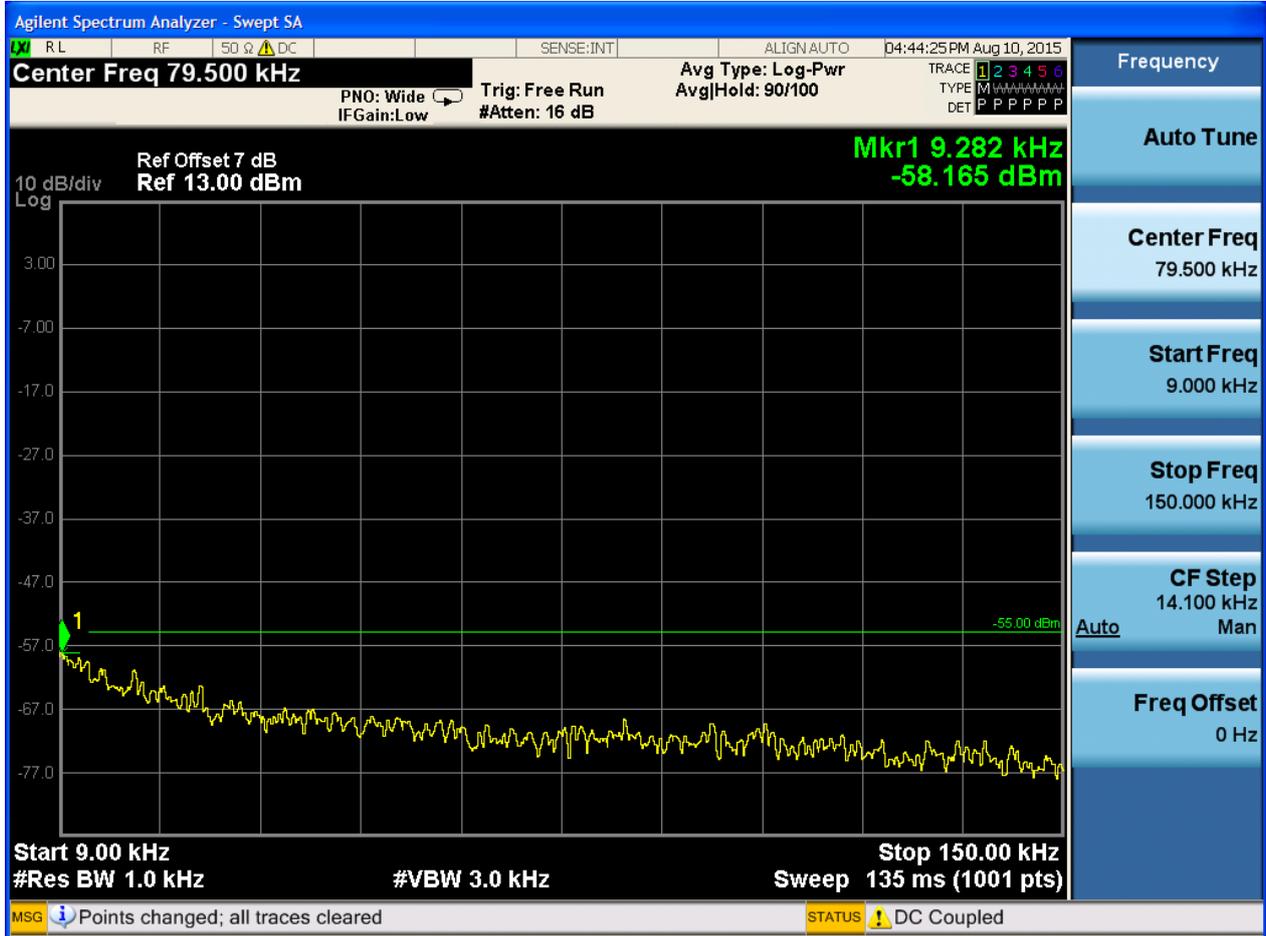


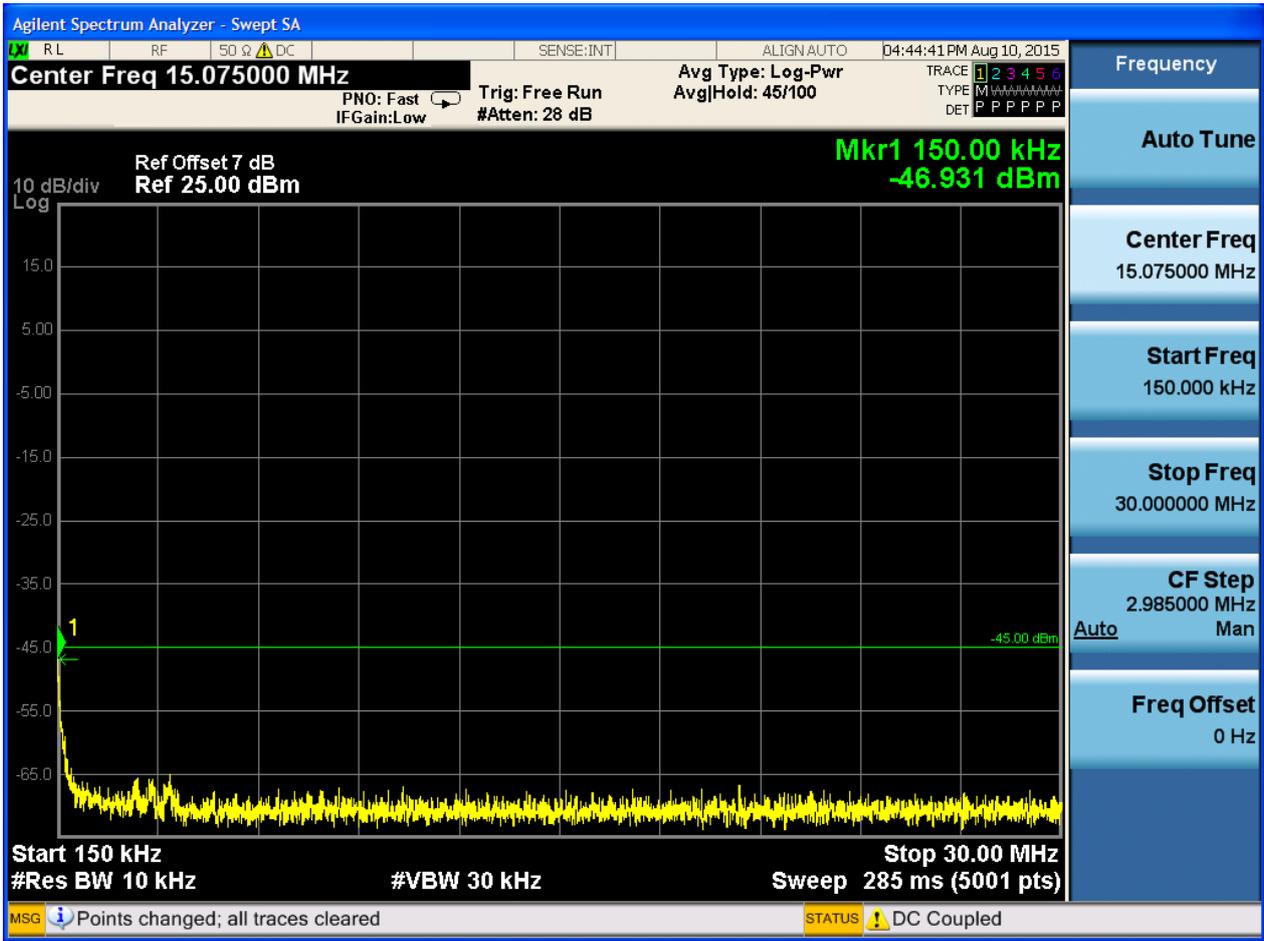


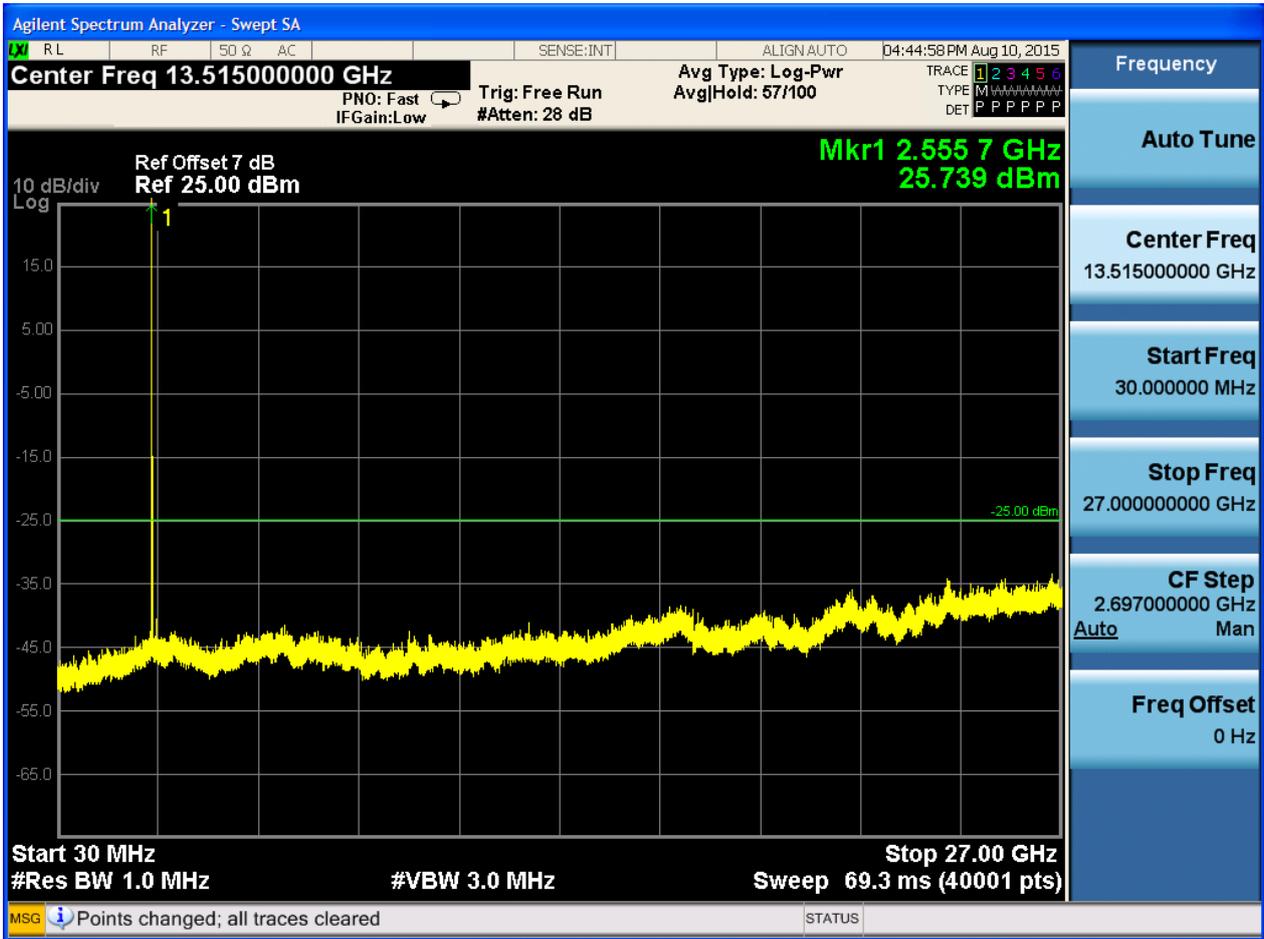


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





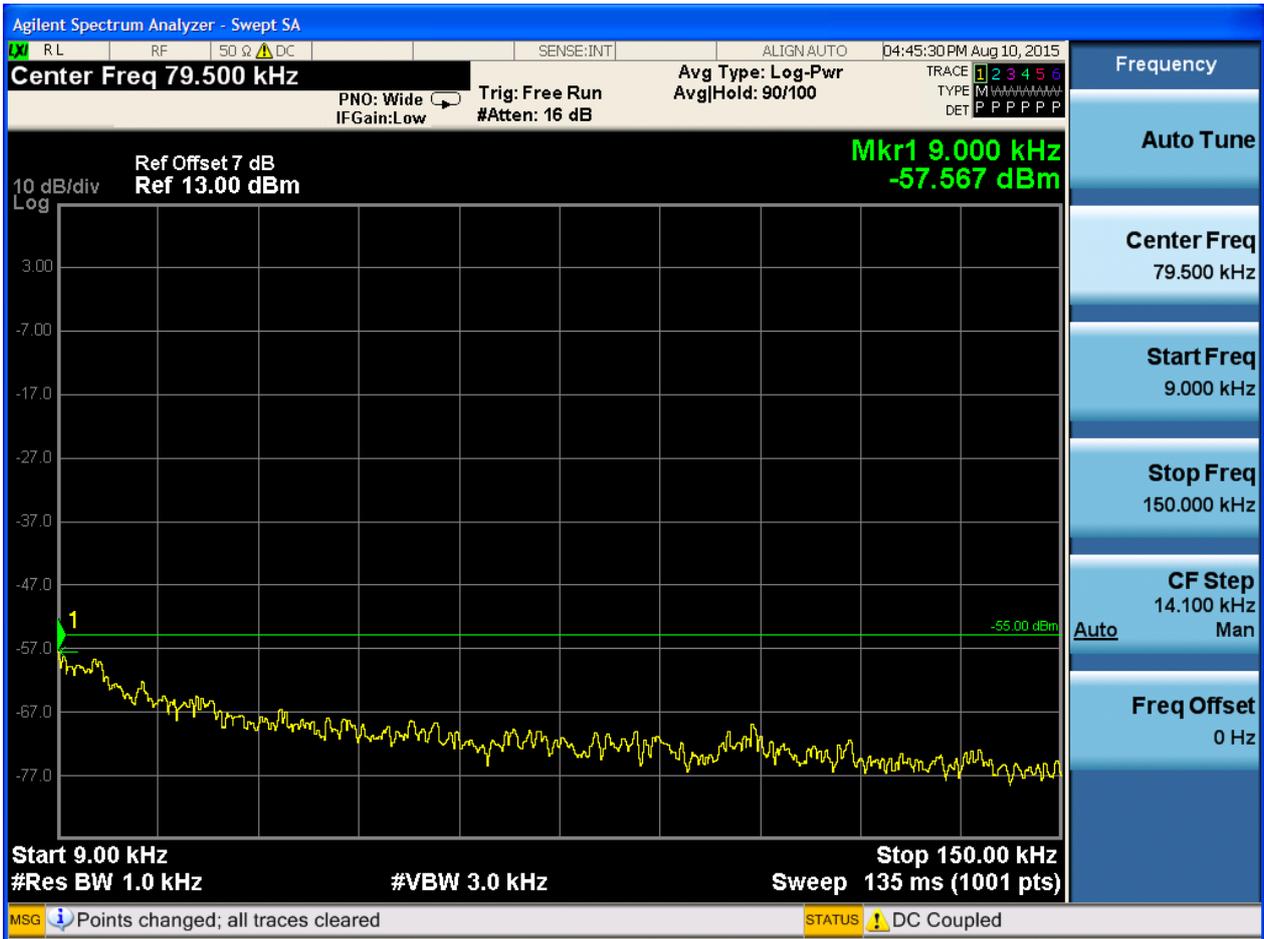




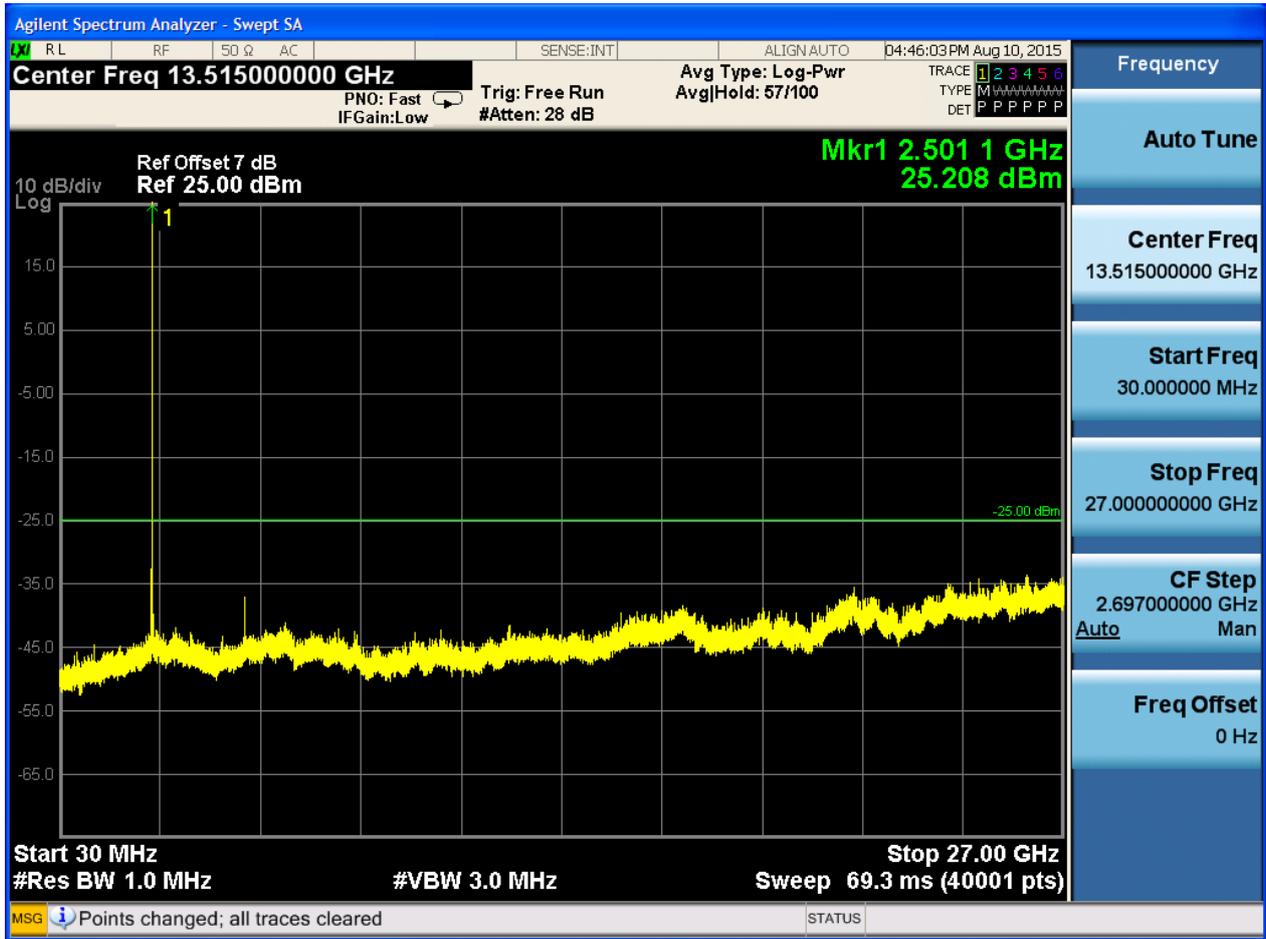
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



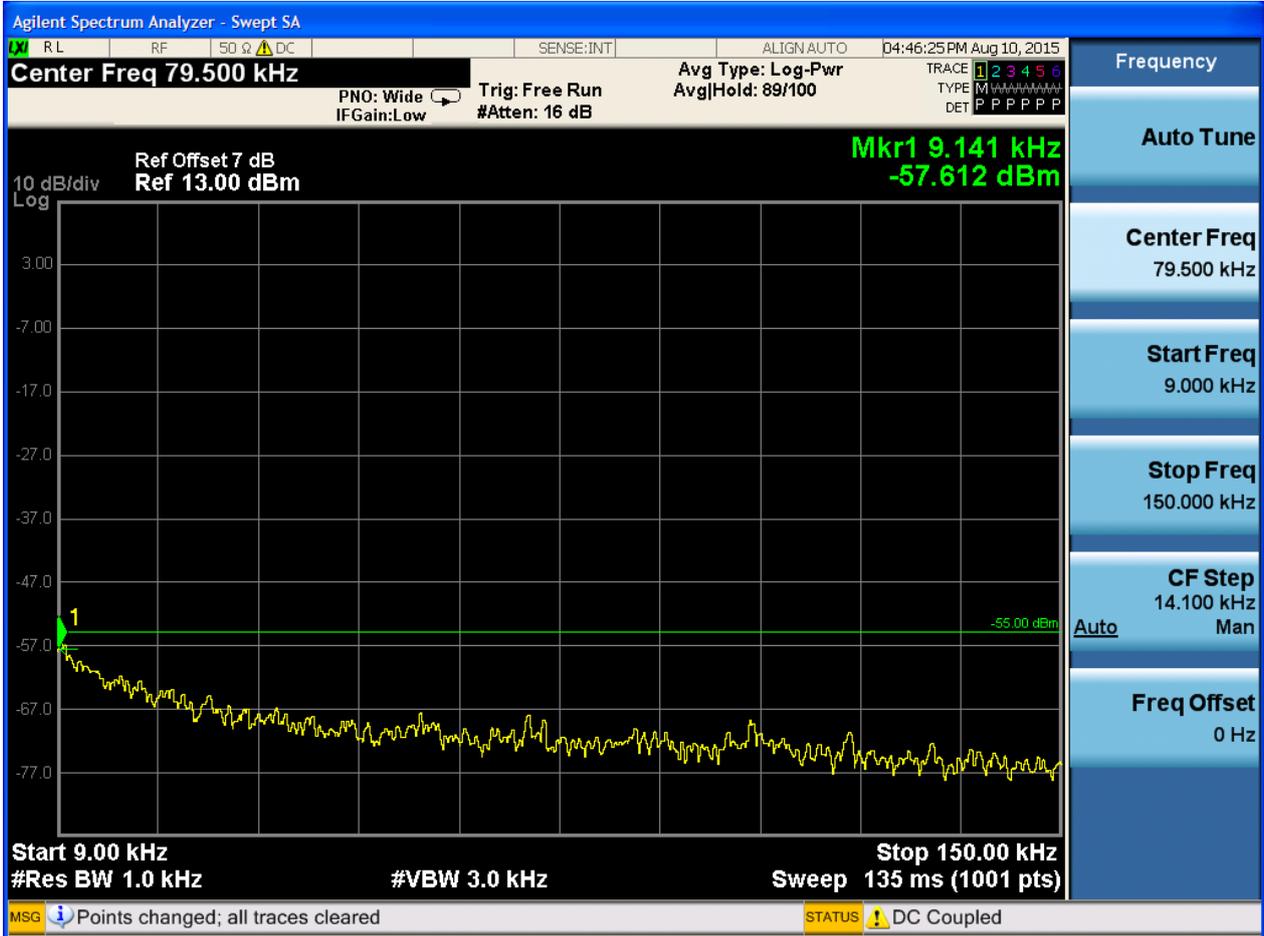


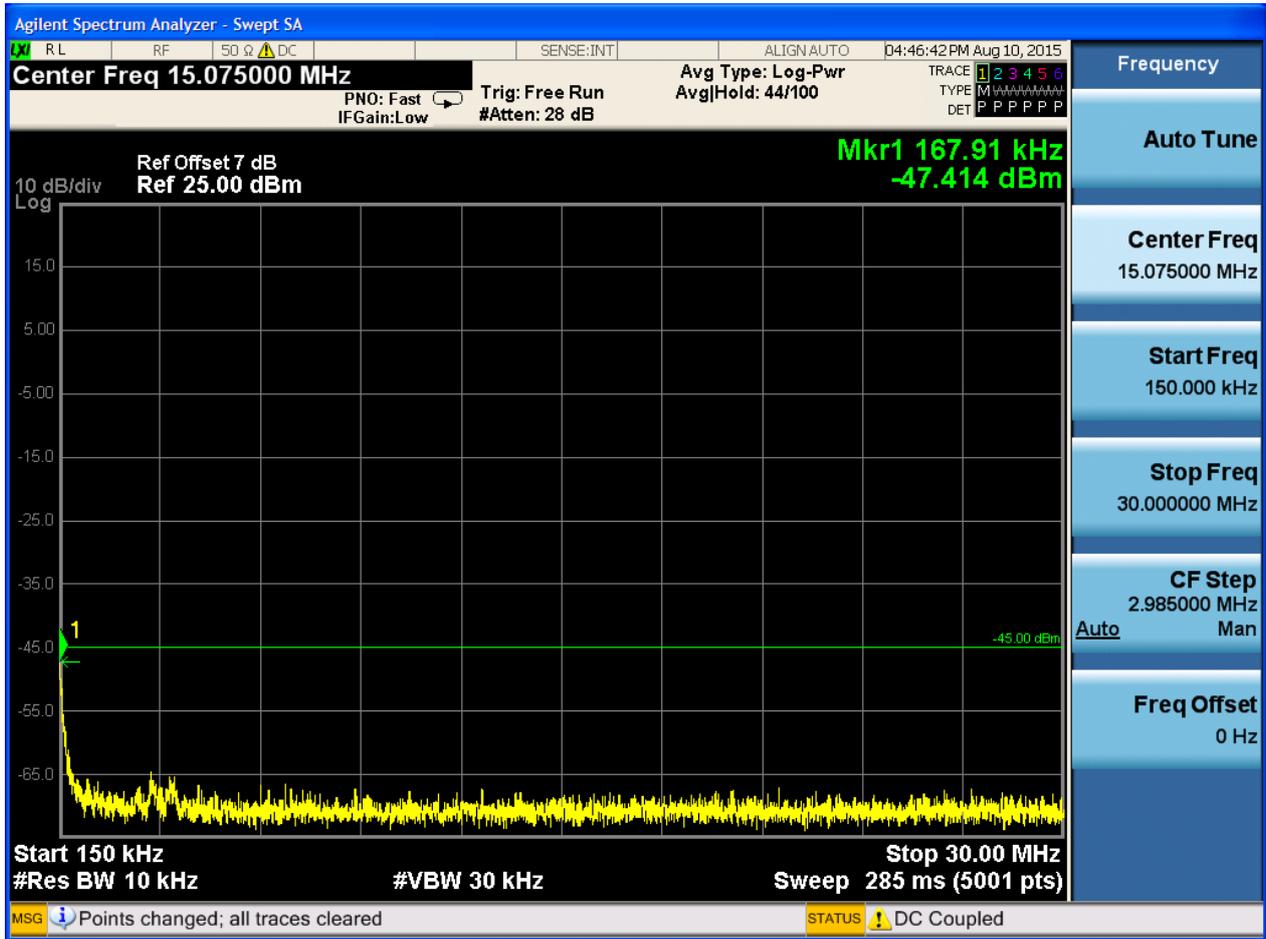


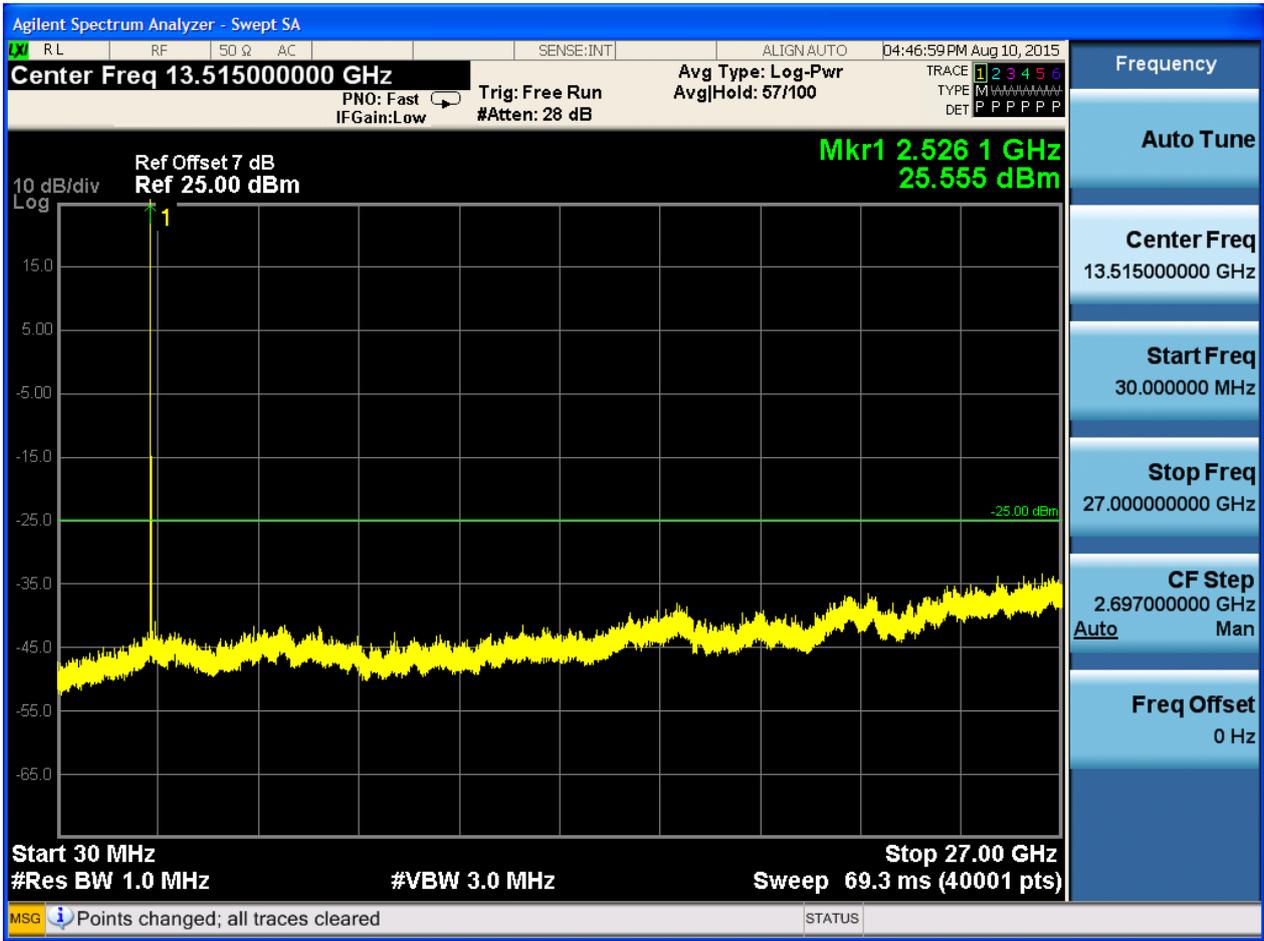


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



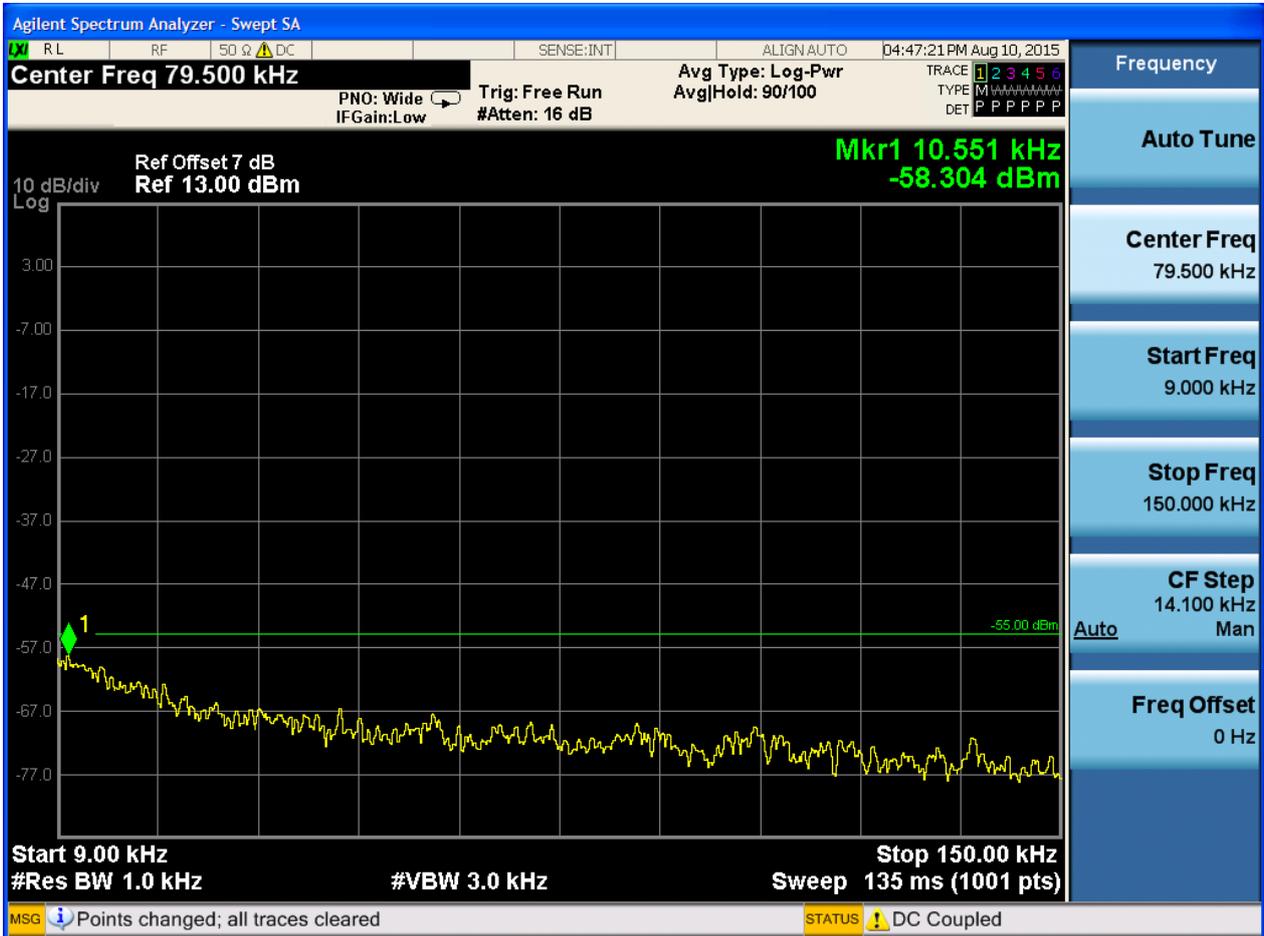




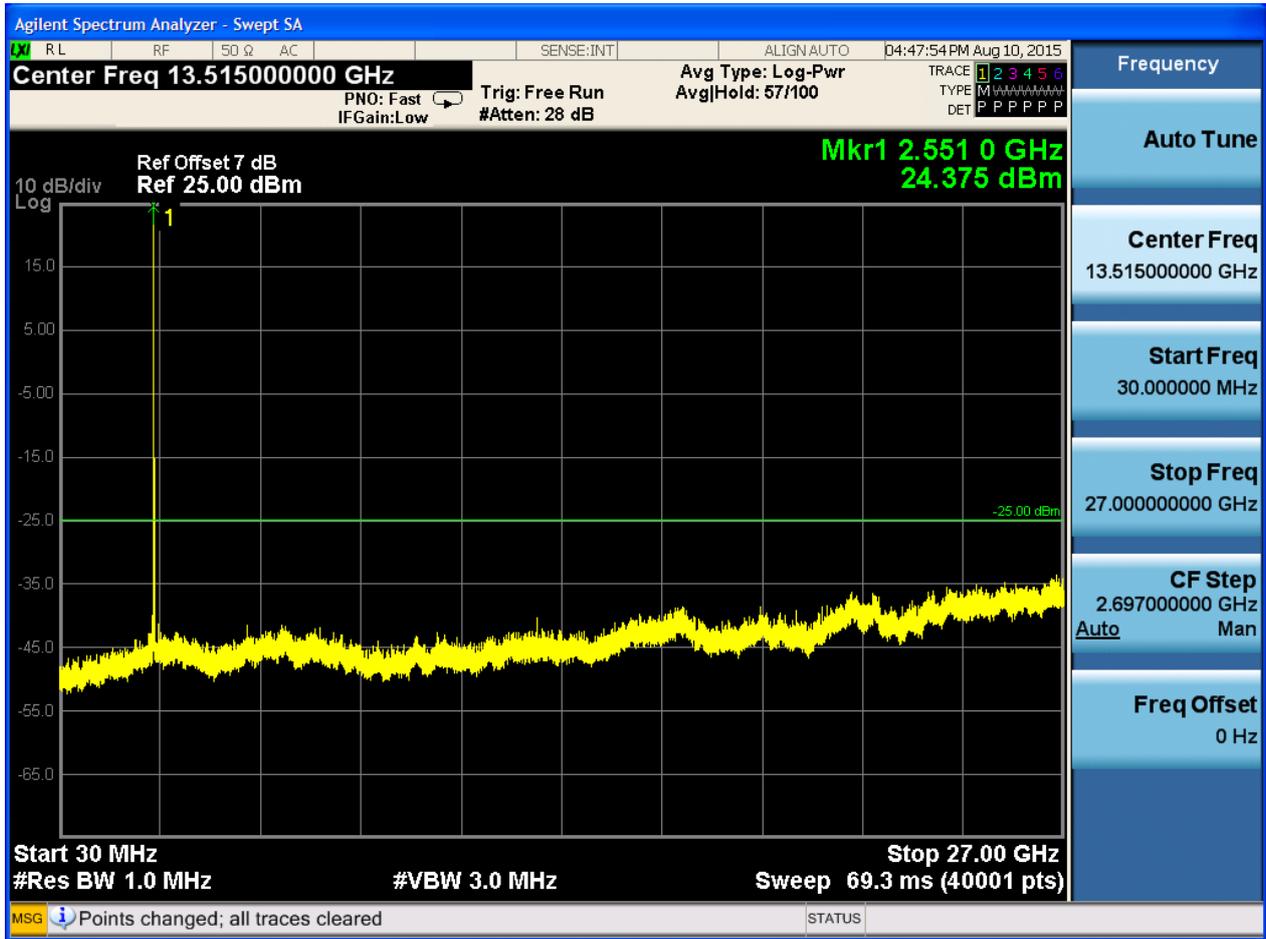


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









6.1.1.2 Test Mode = LTE/TM2

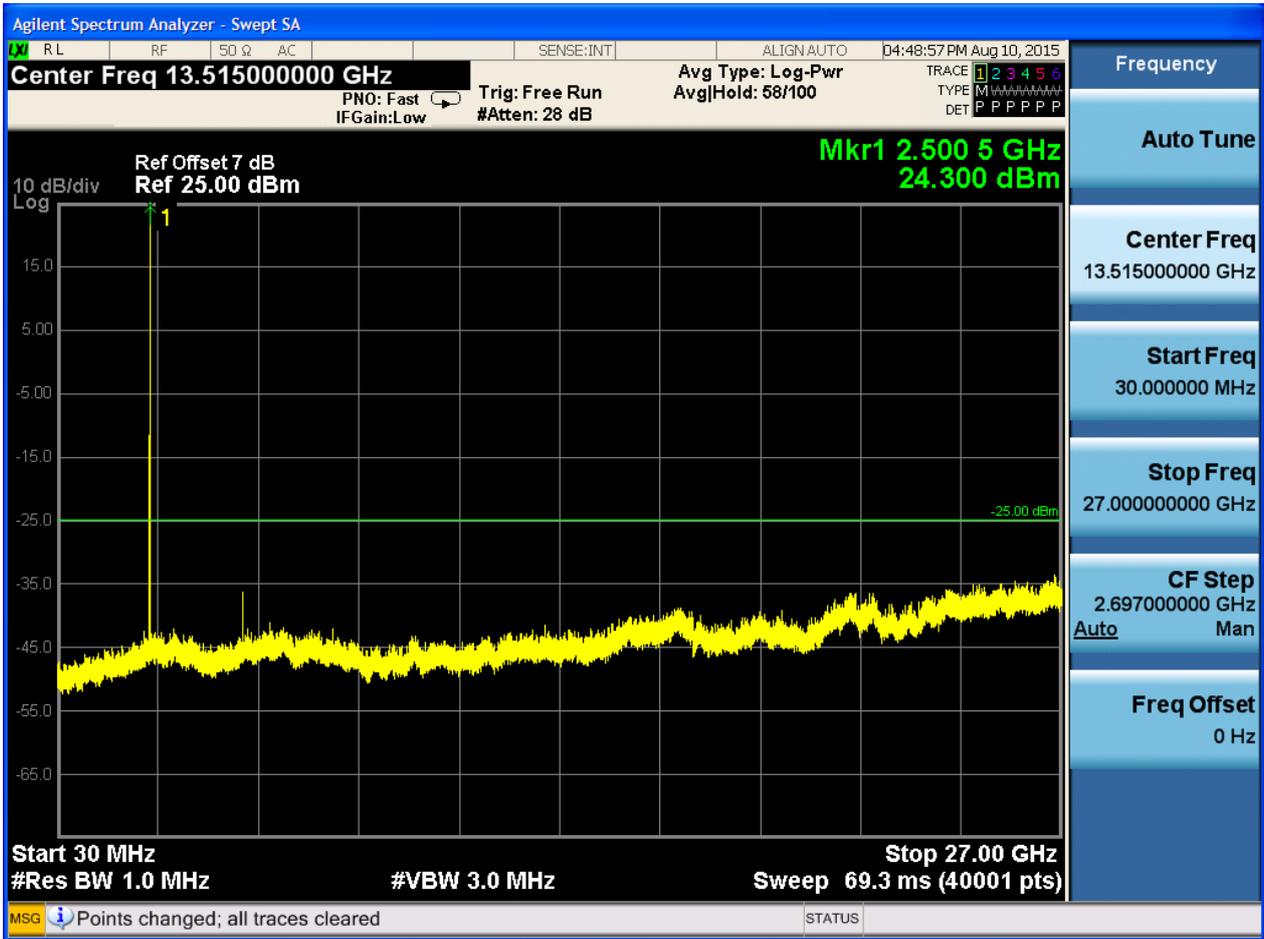
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



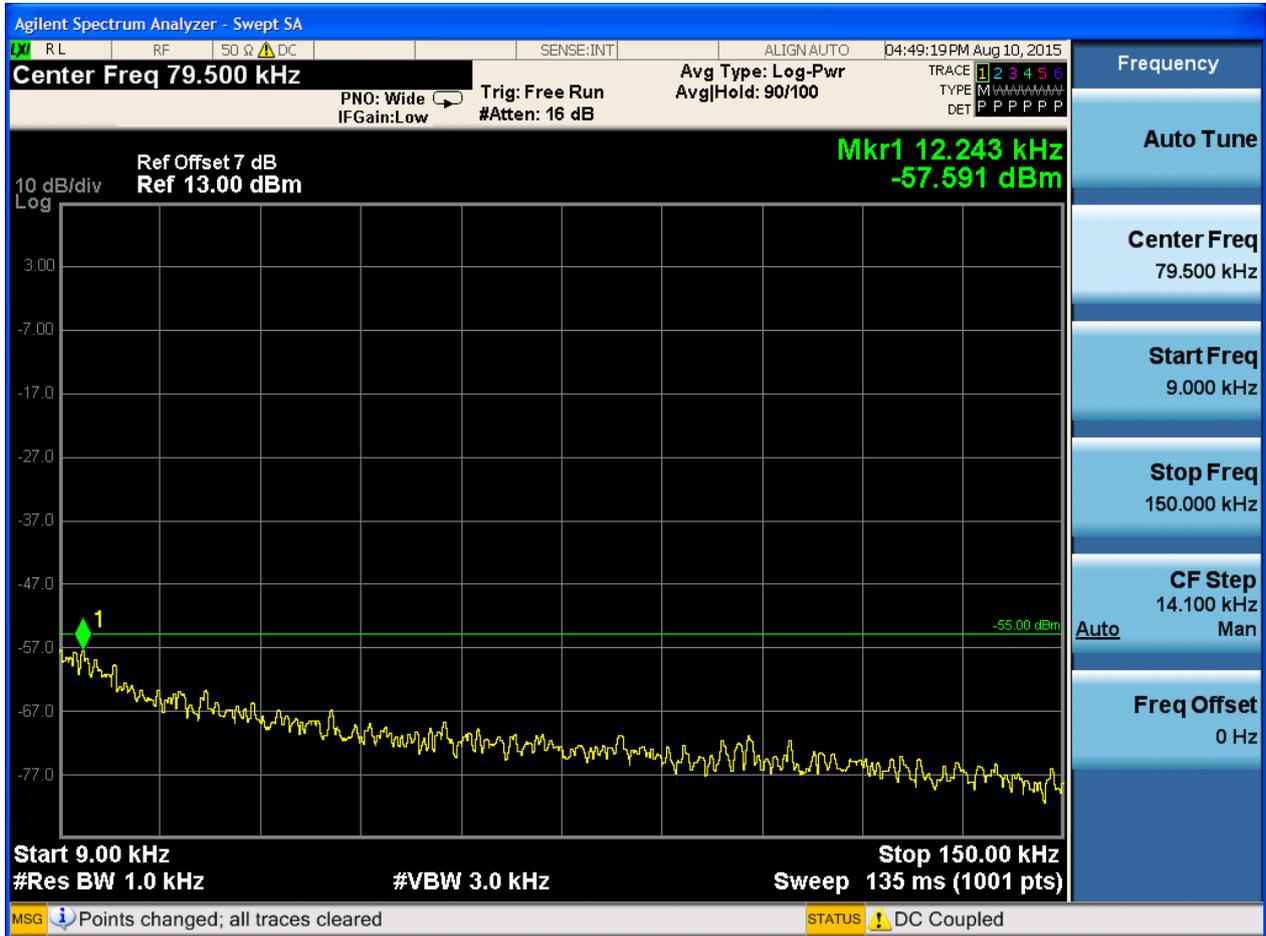


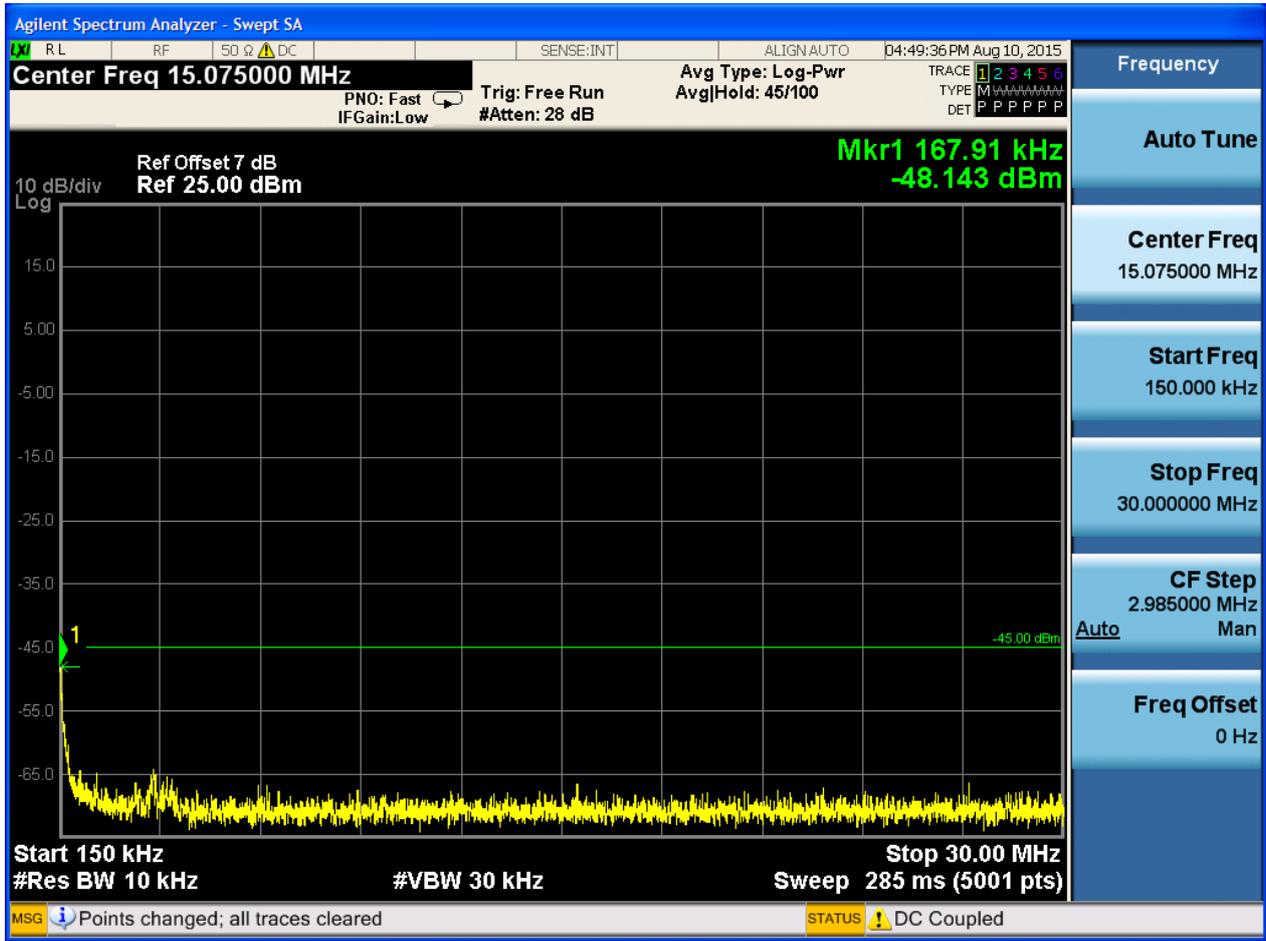


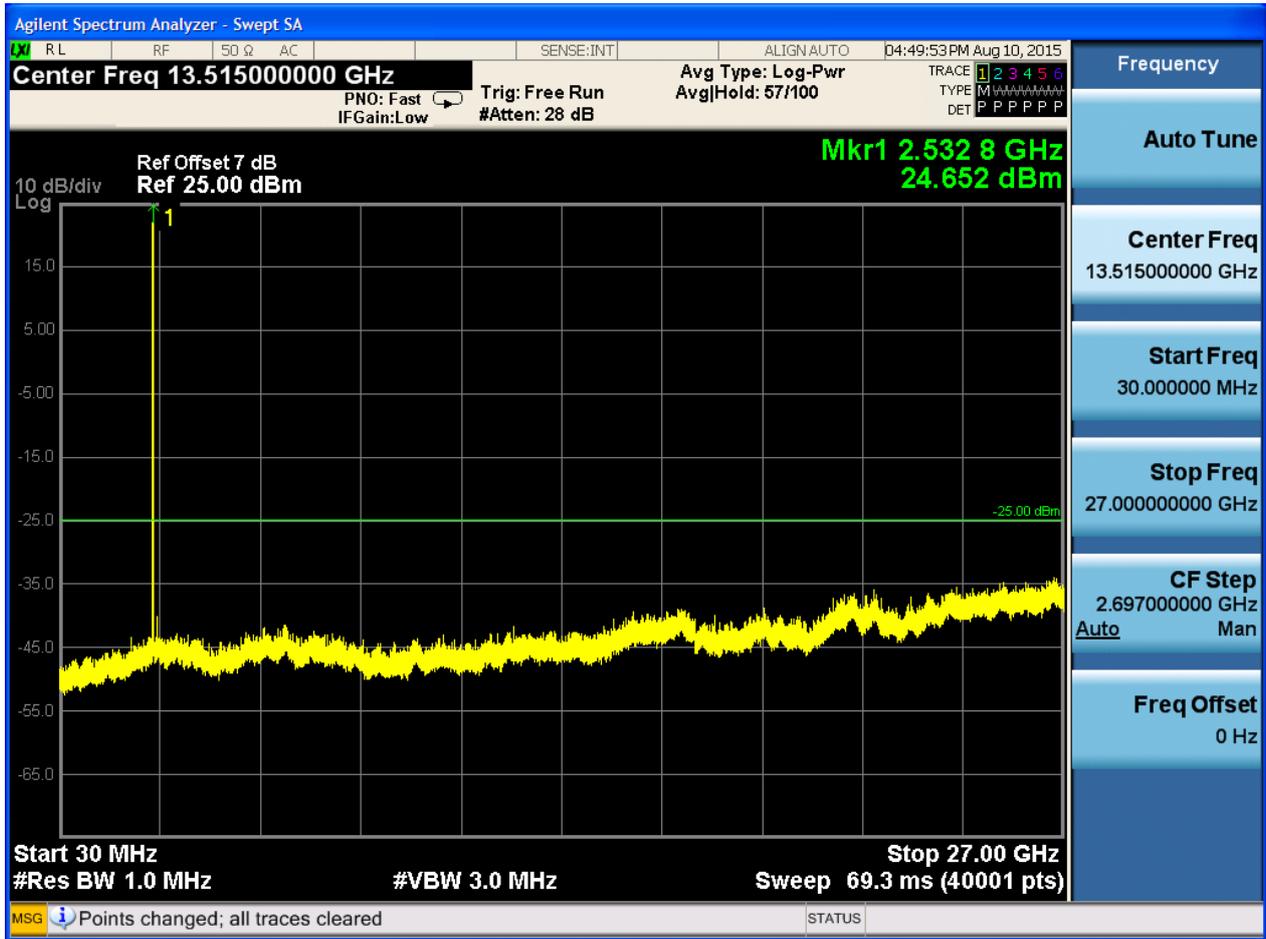


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



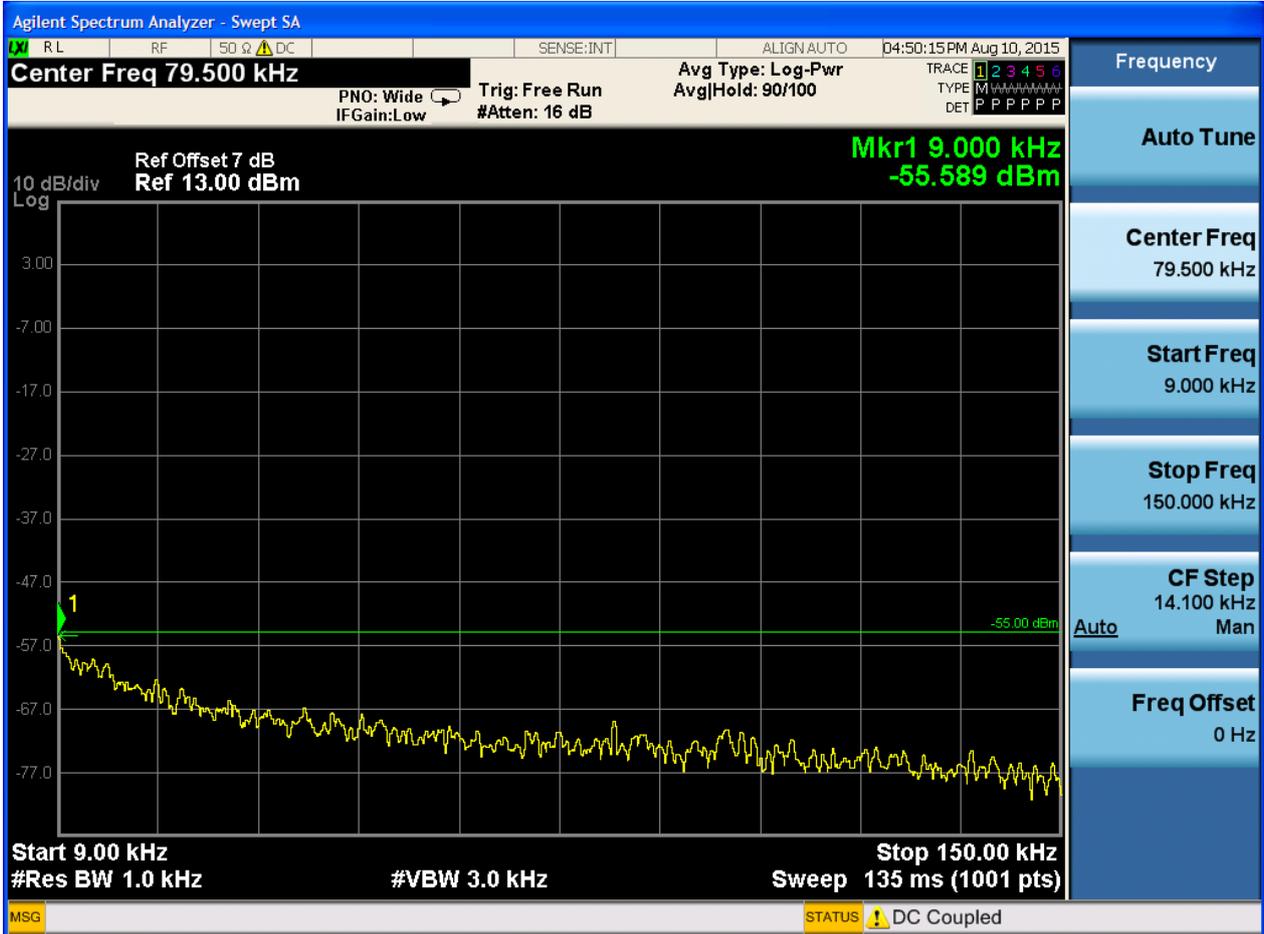


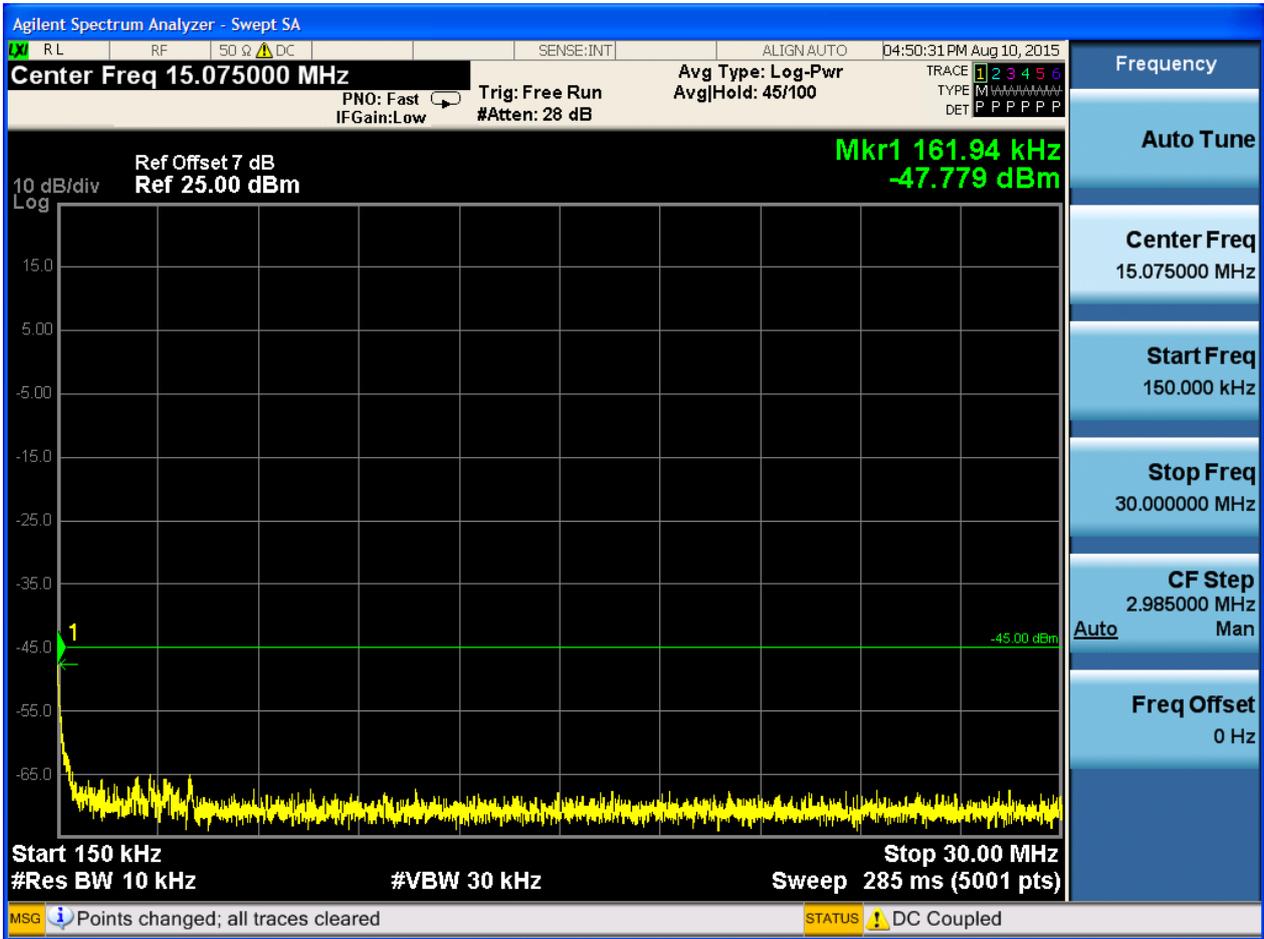


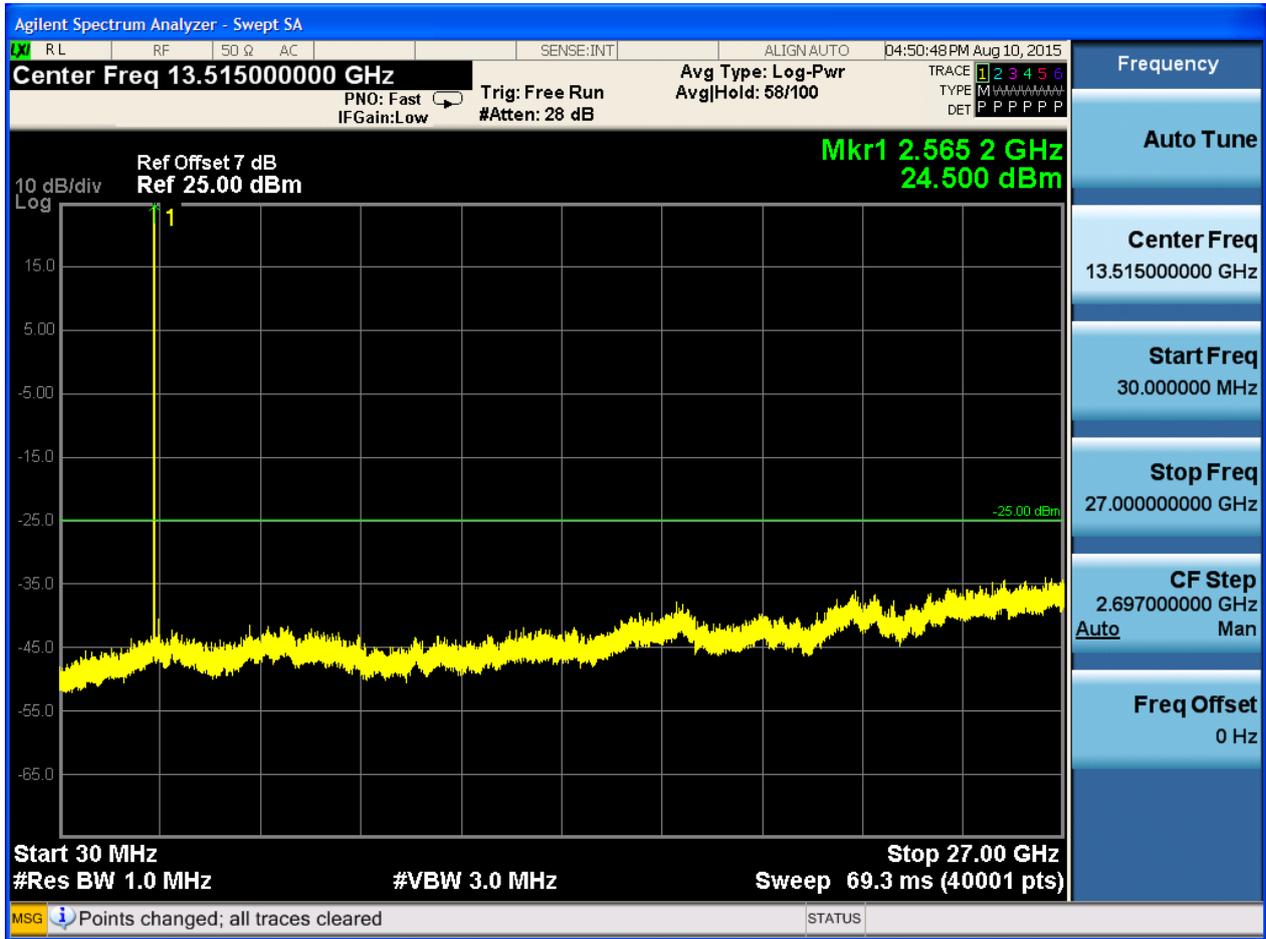


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







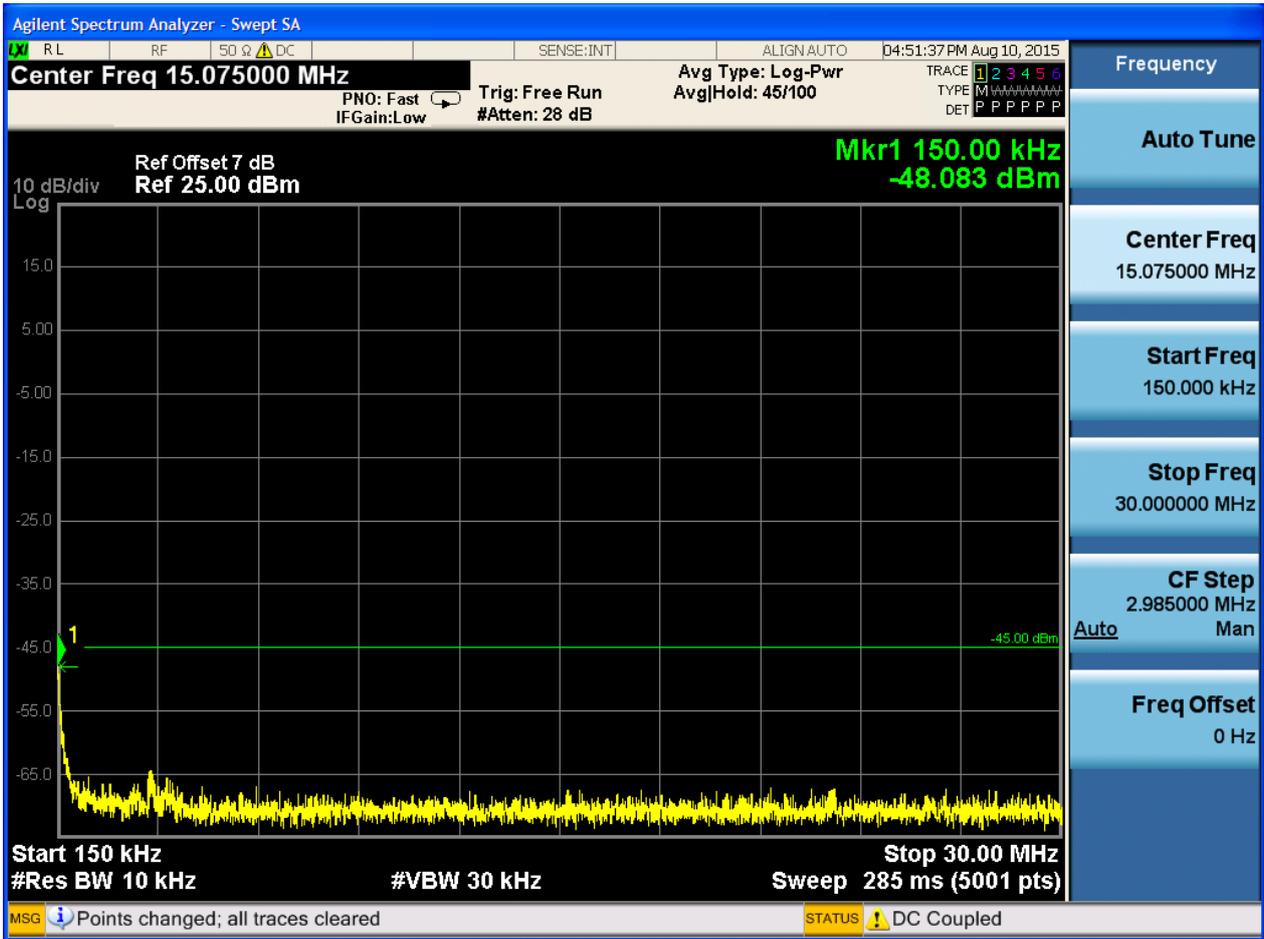


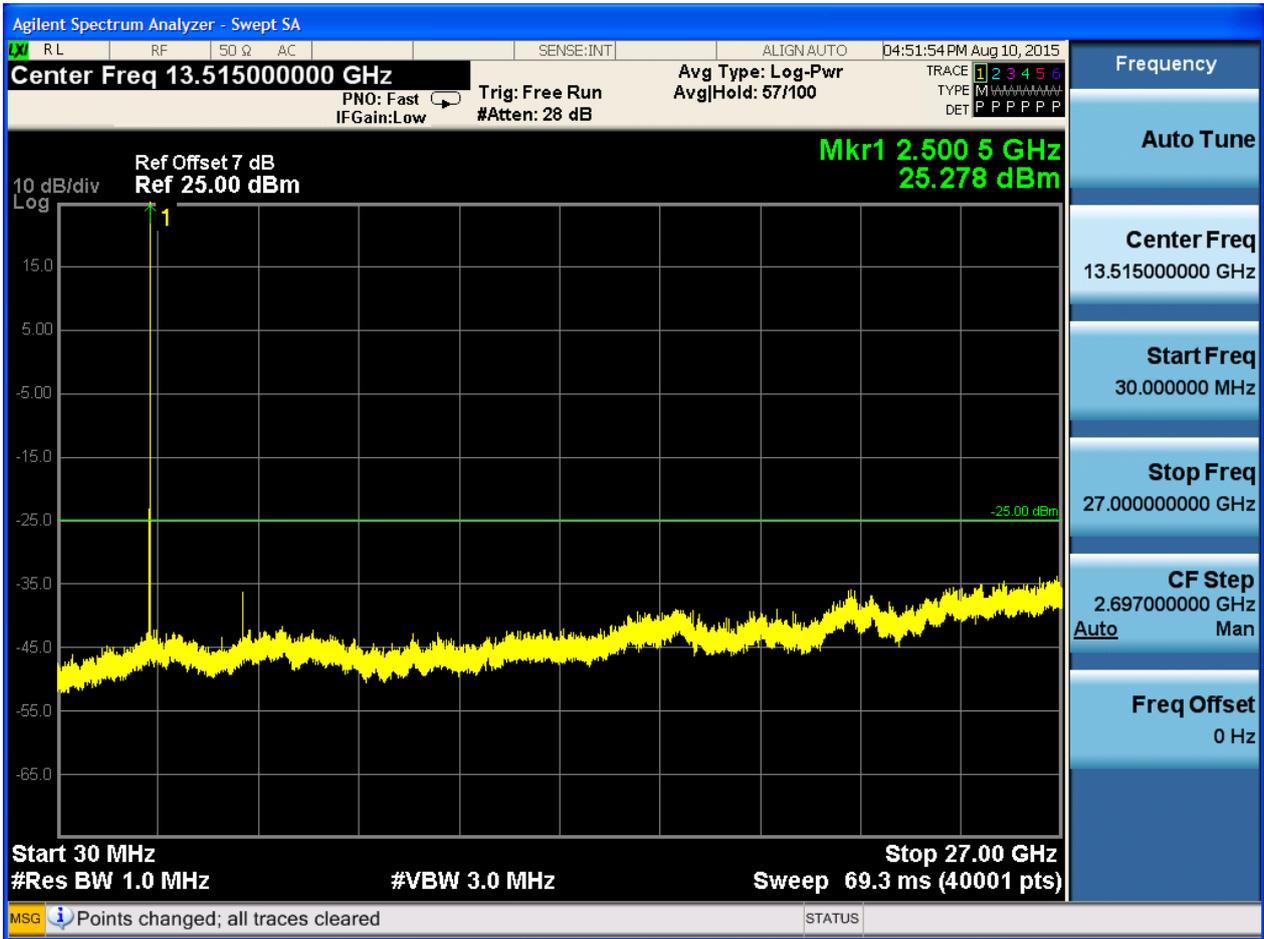
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



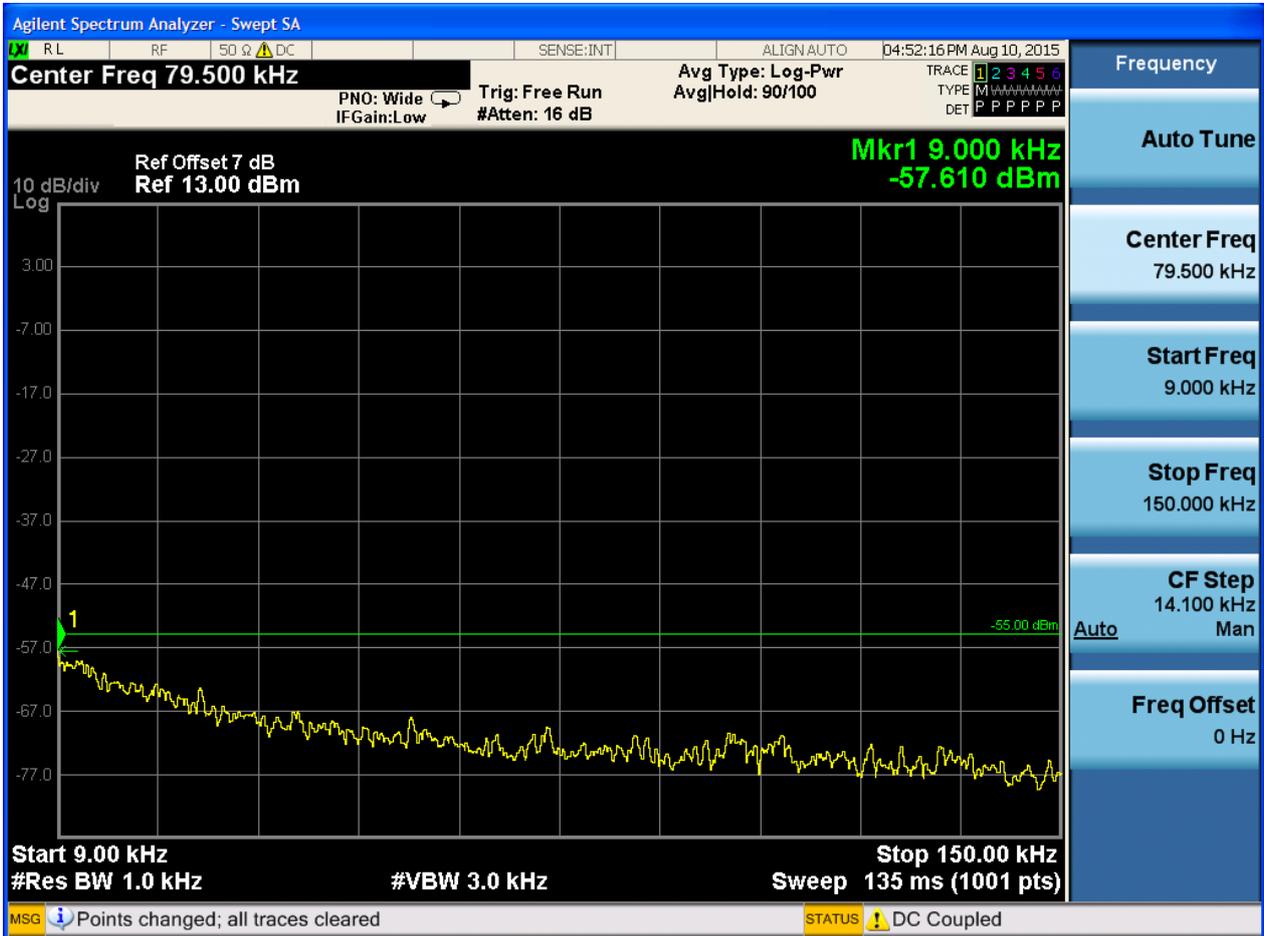




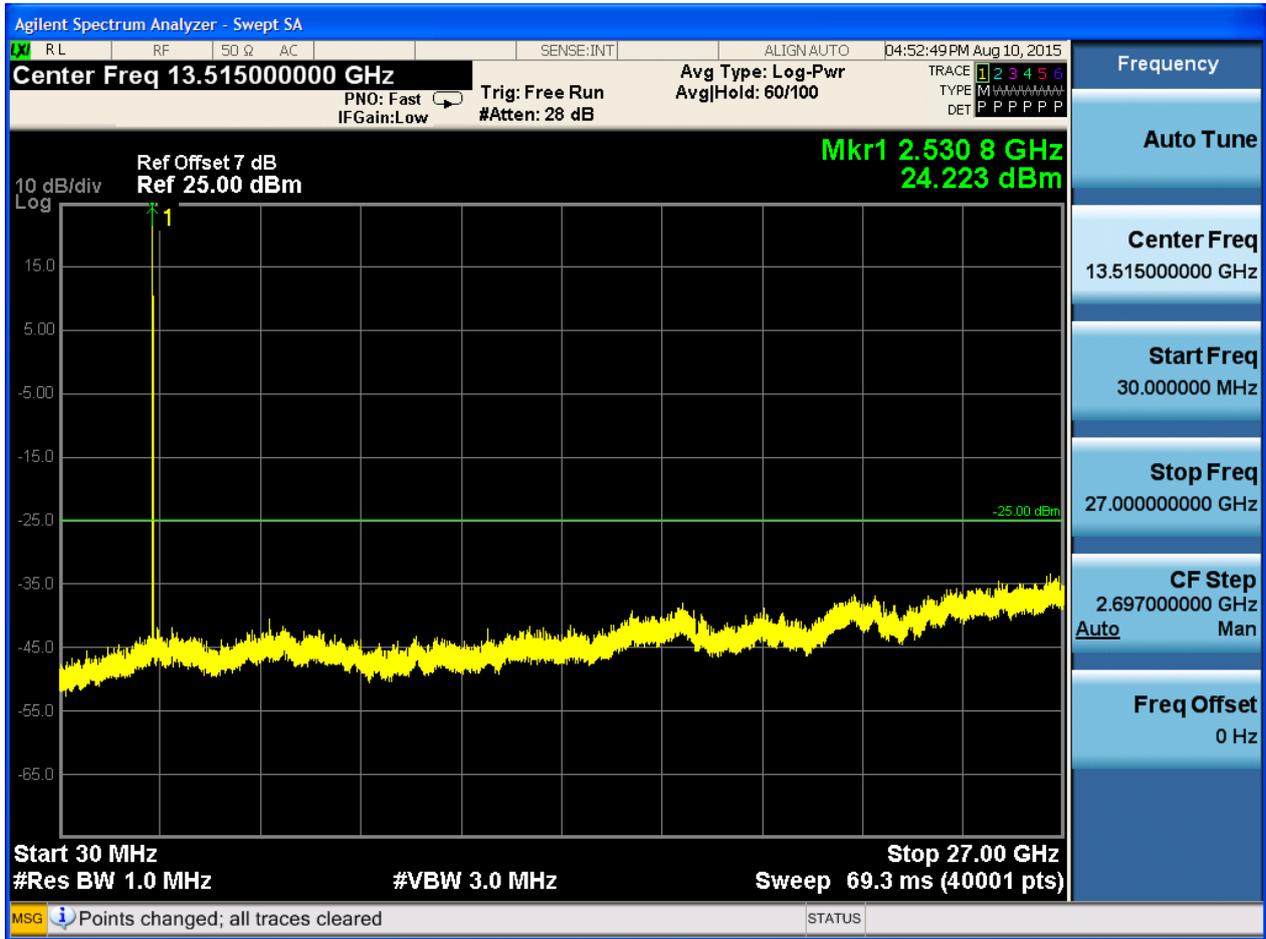


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



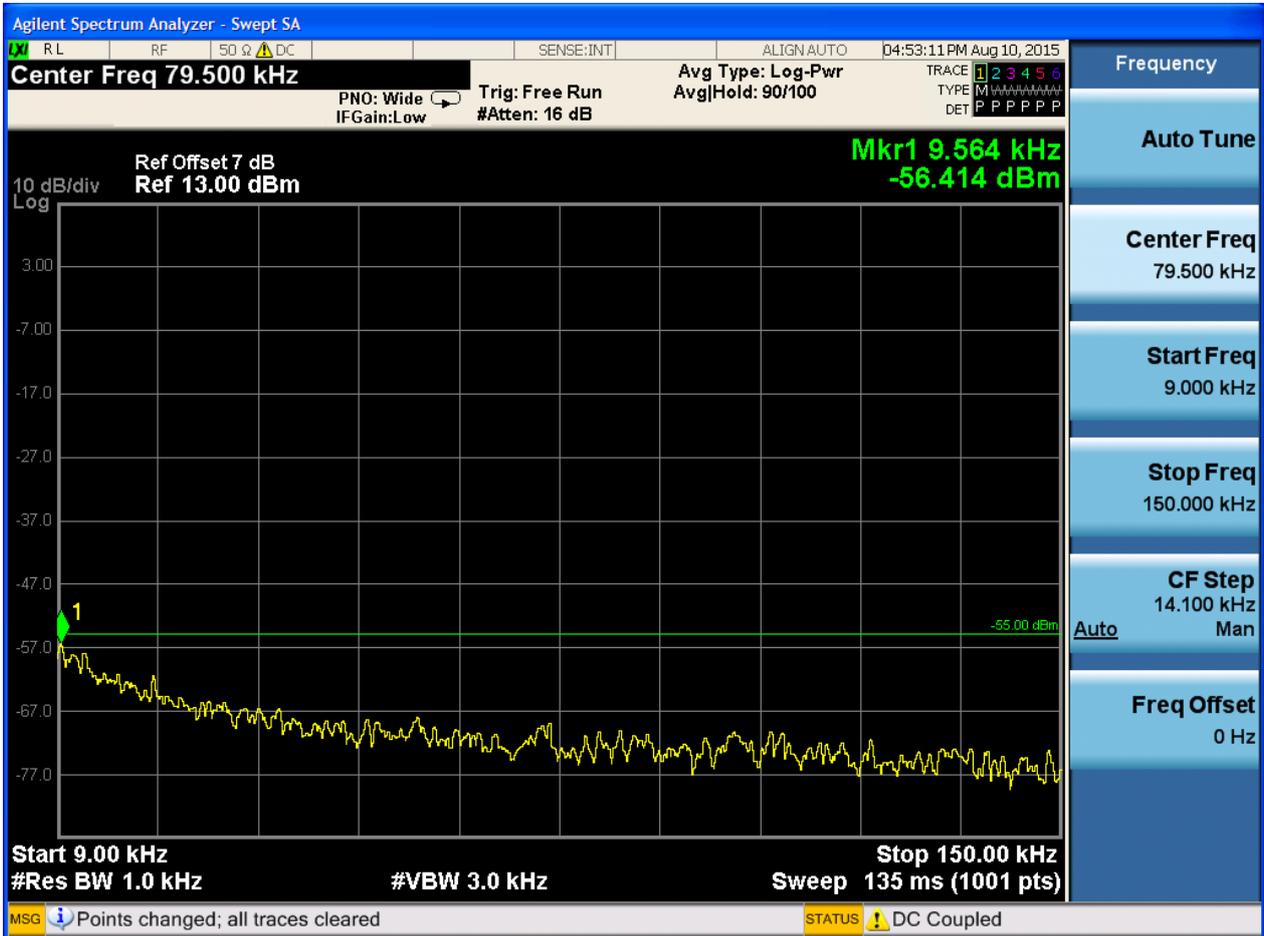


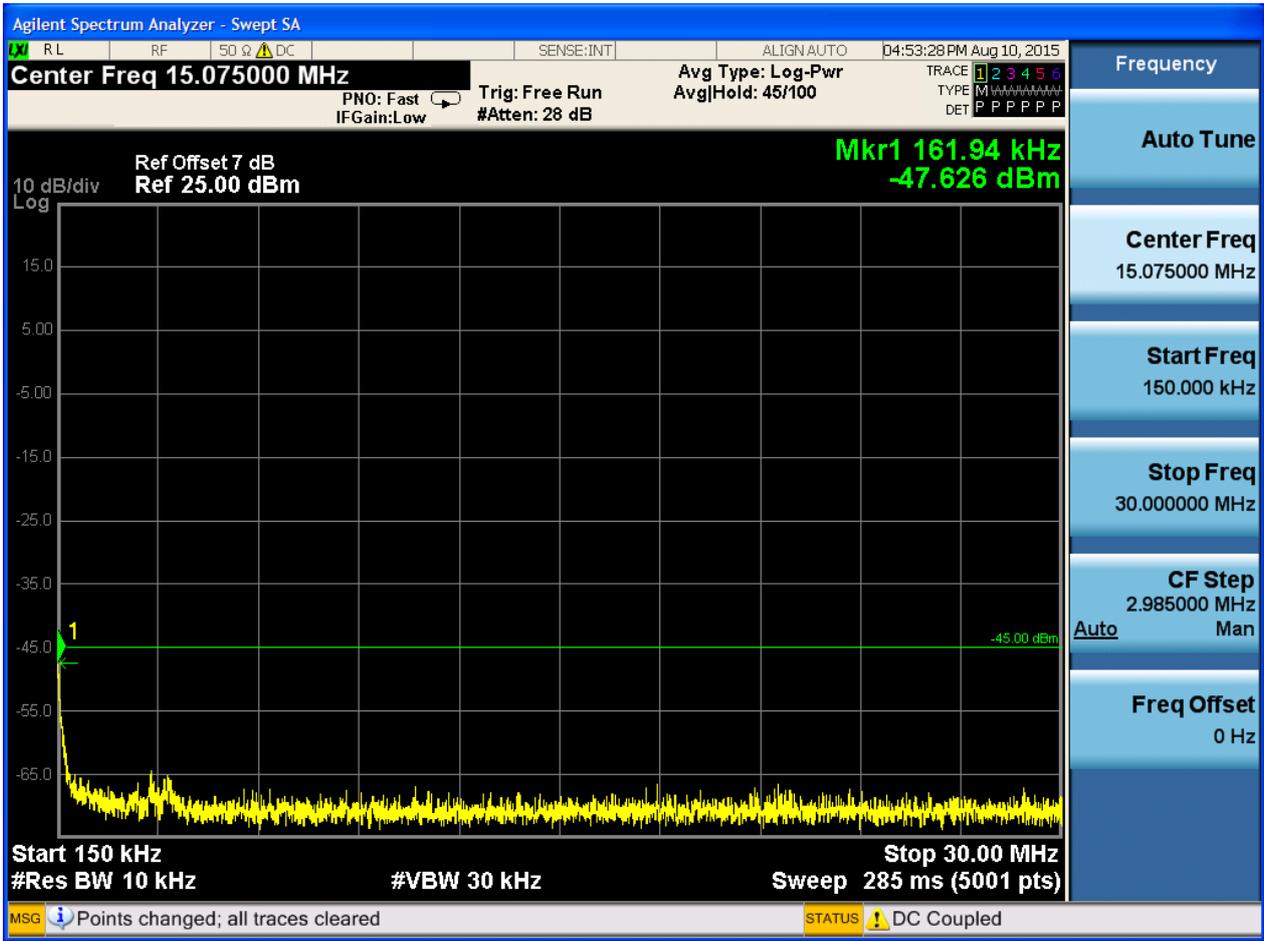


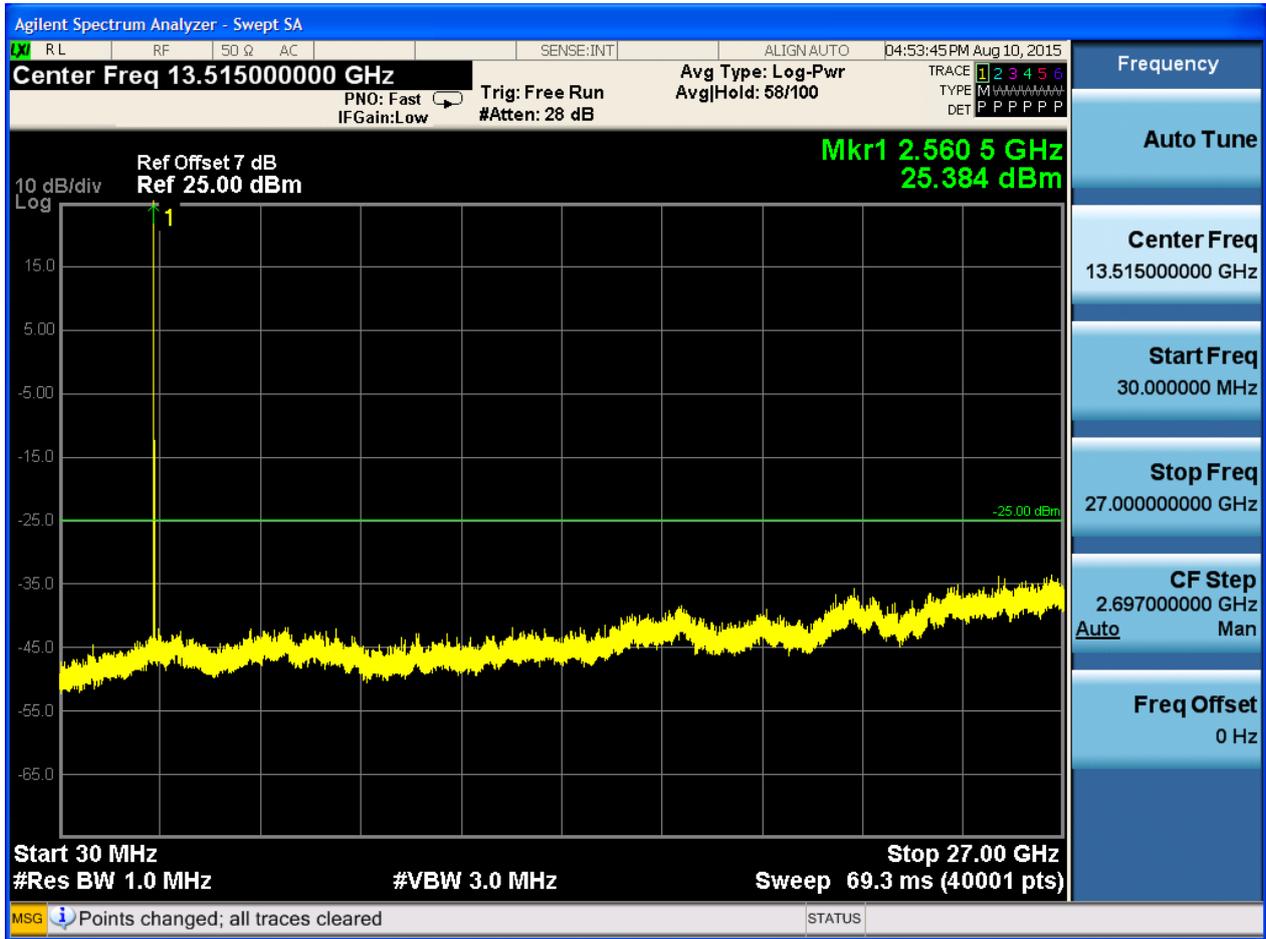


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





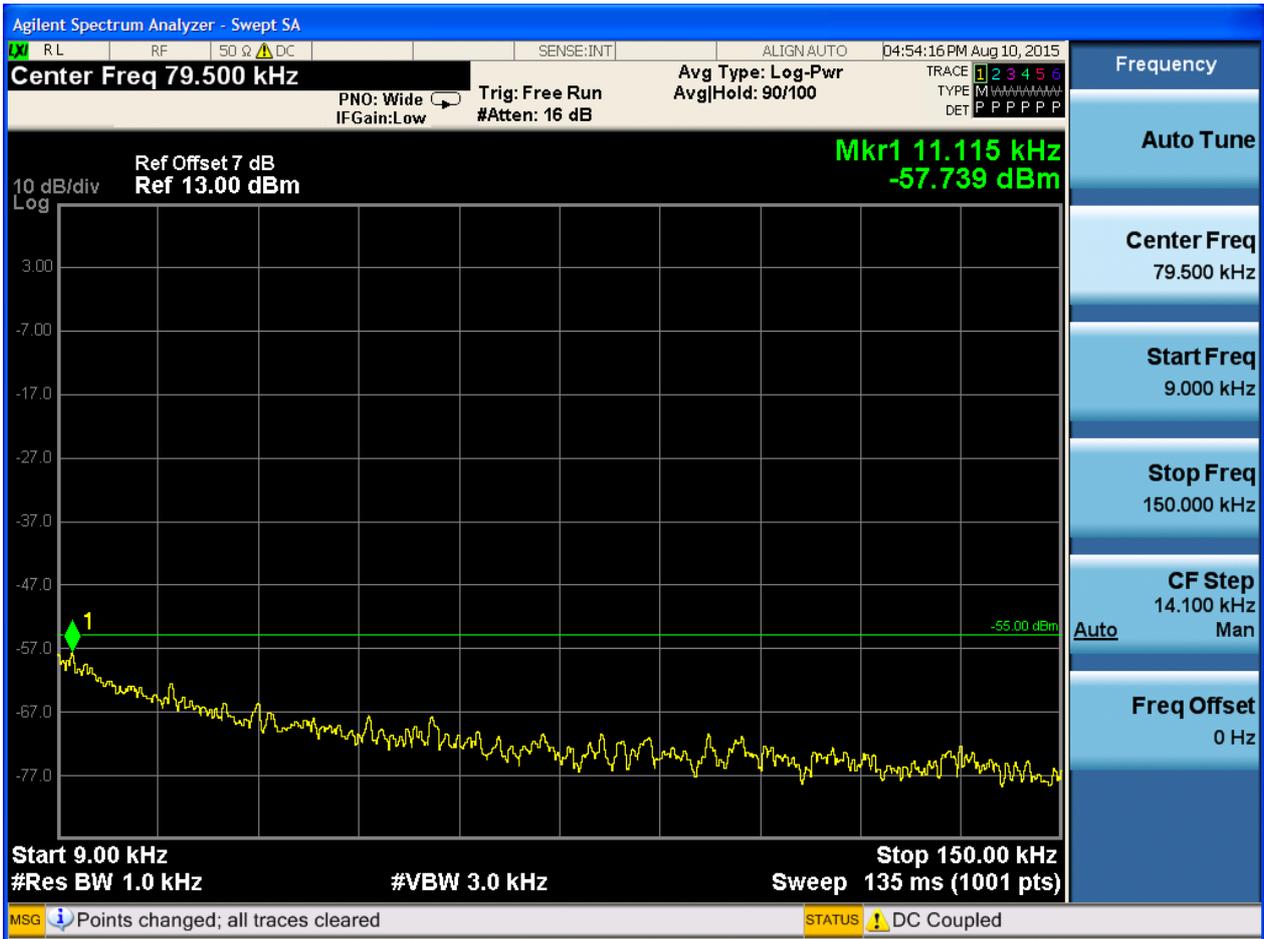


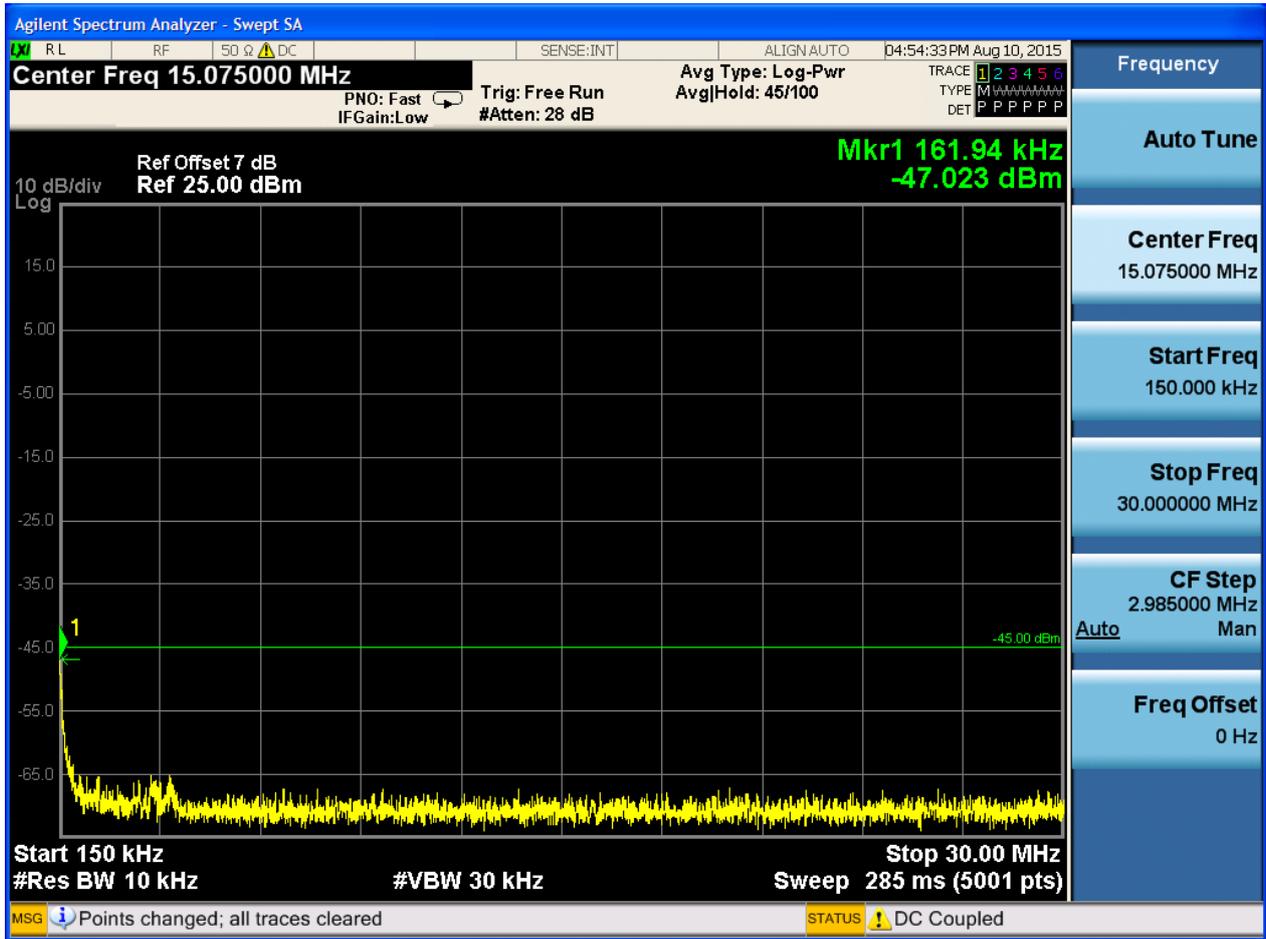


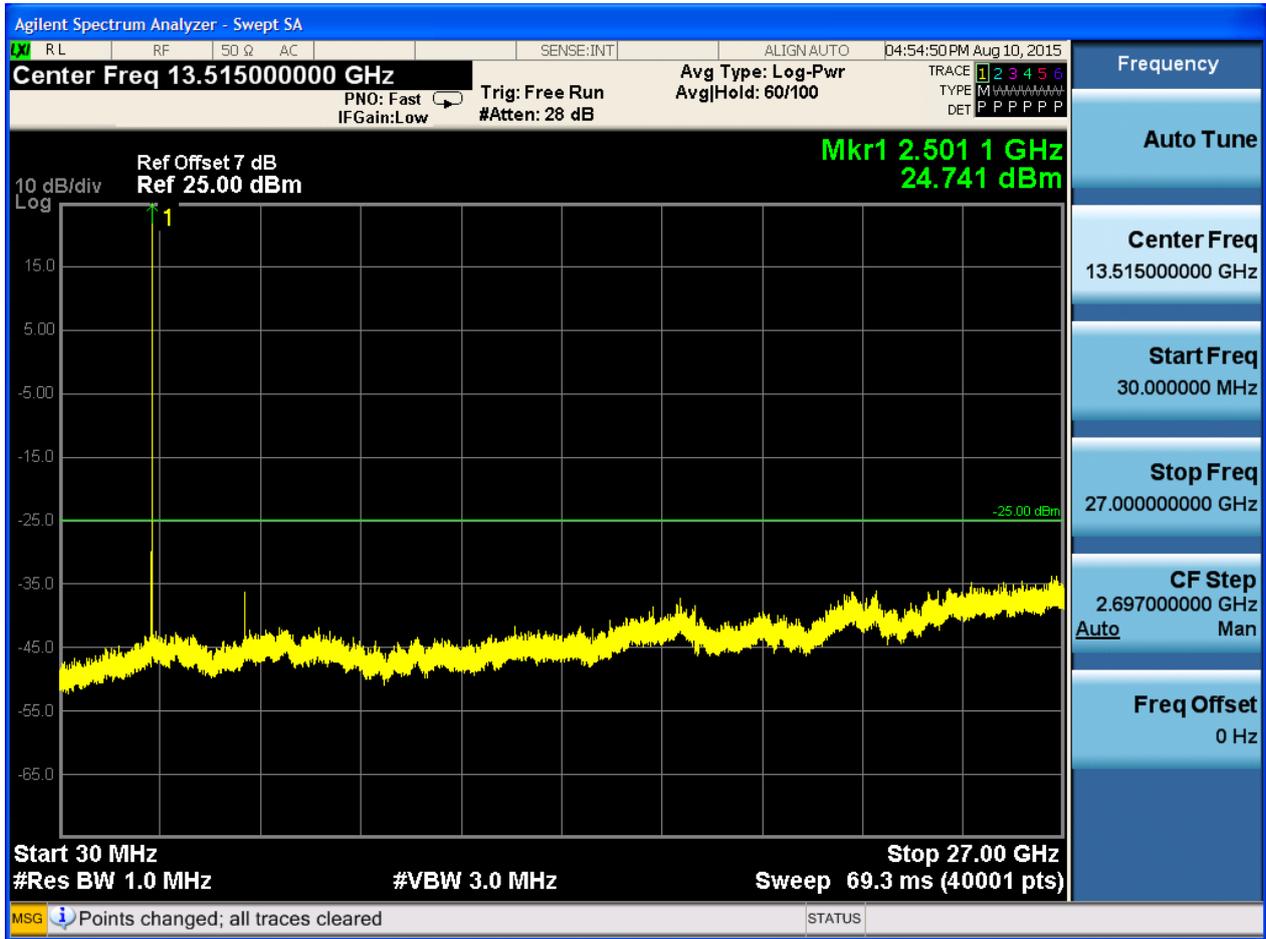
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0







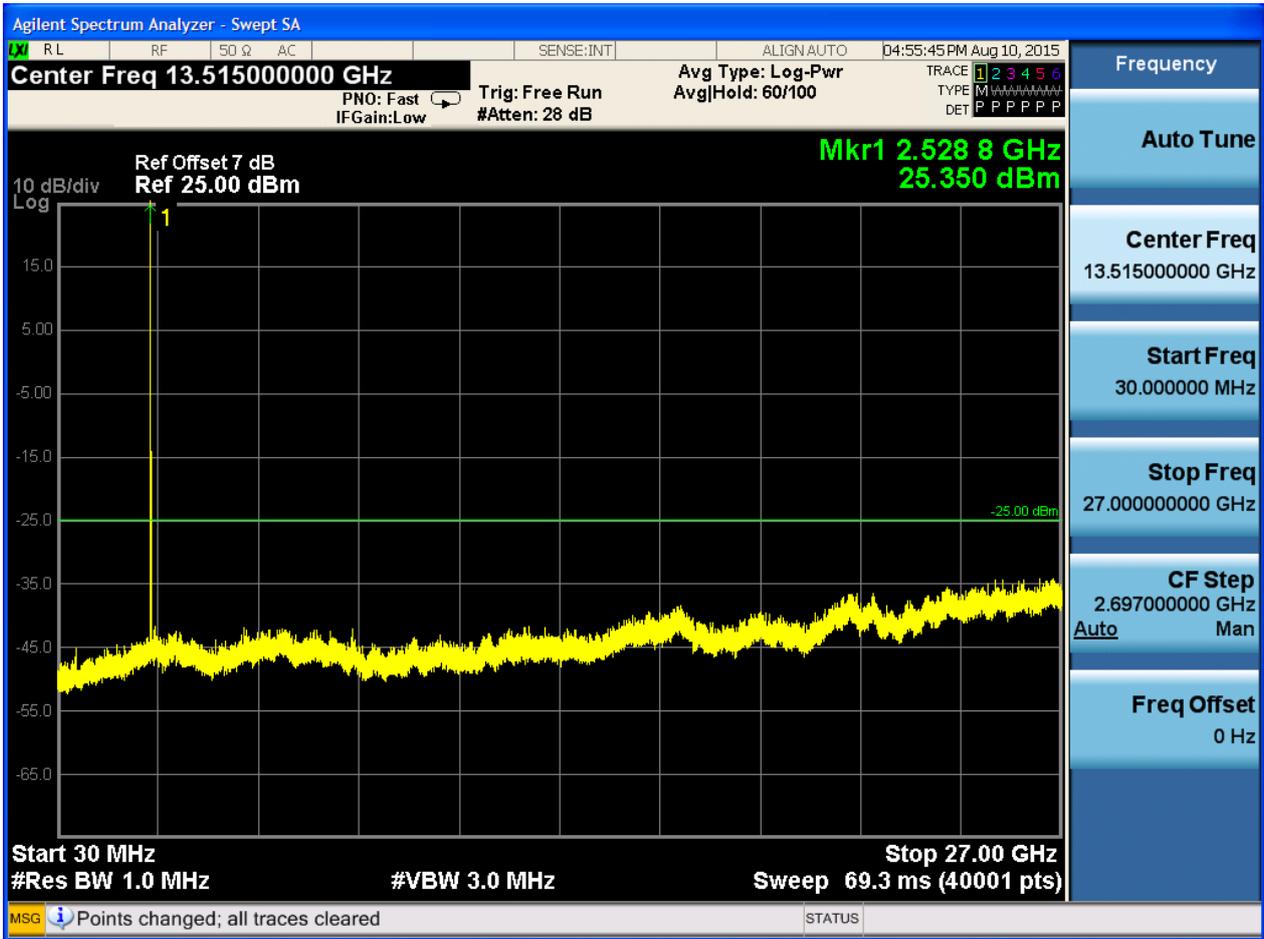


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



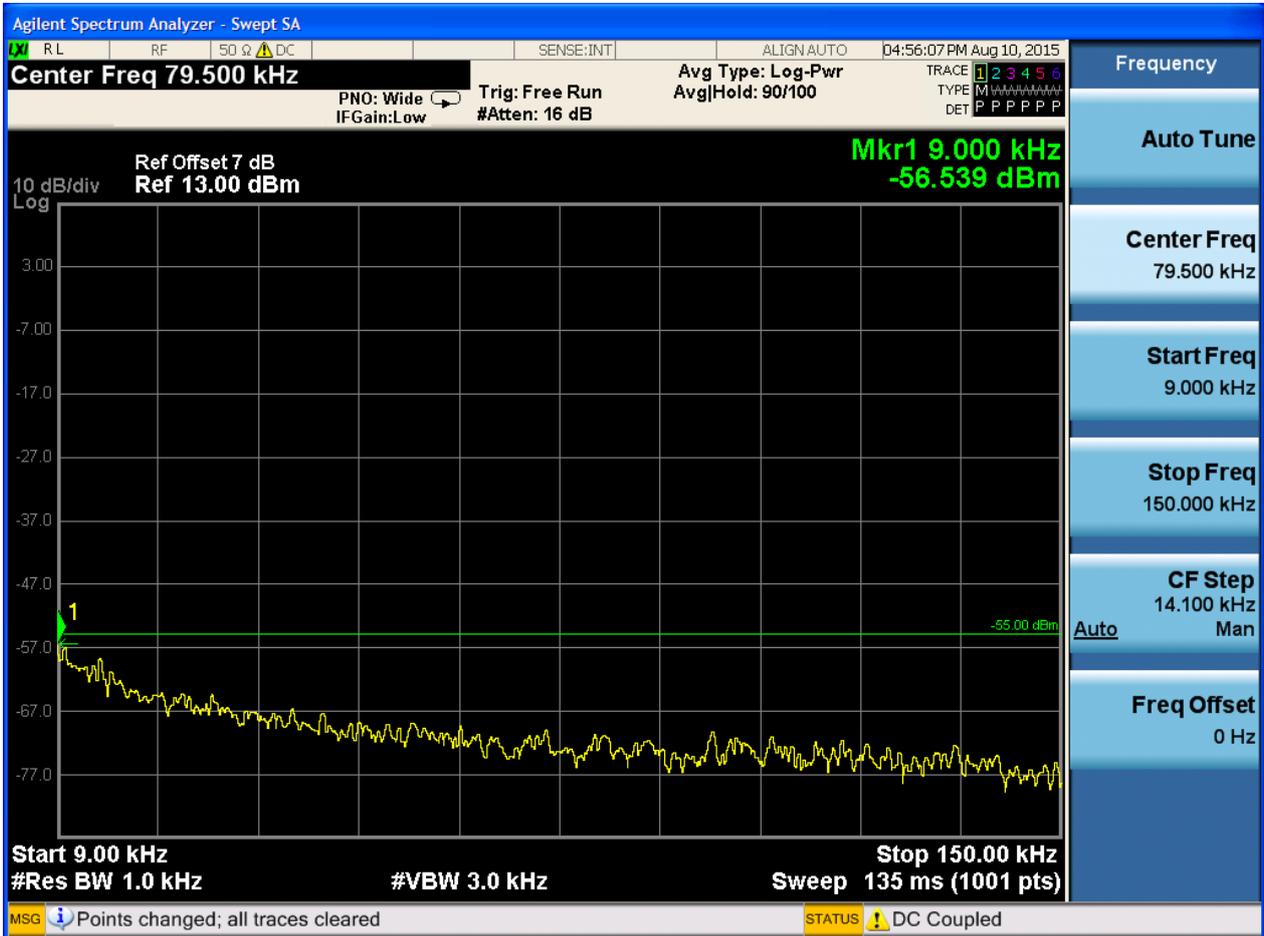


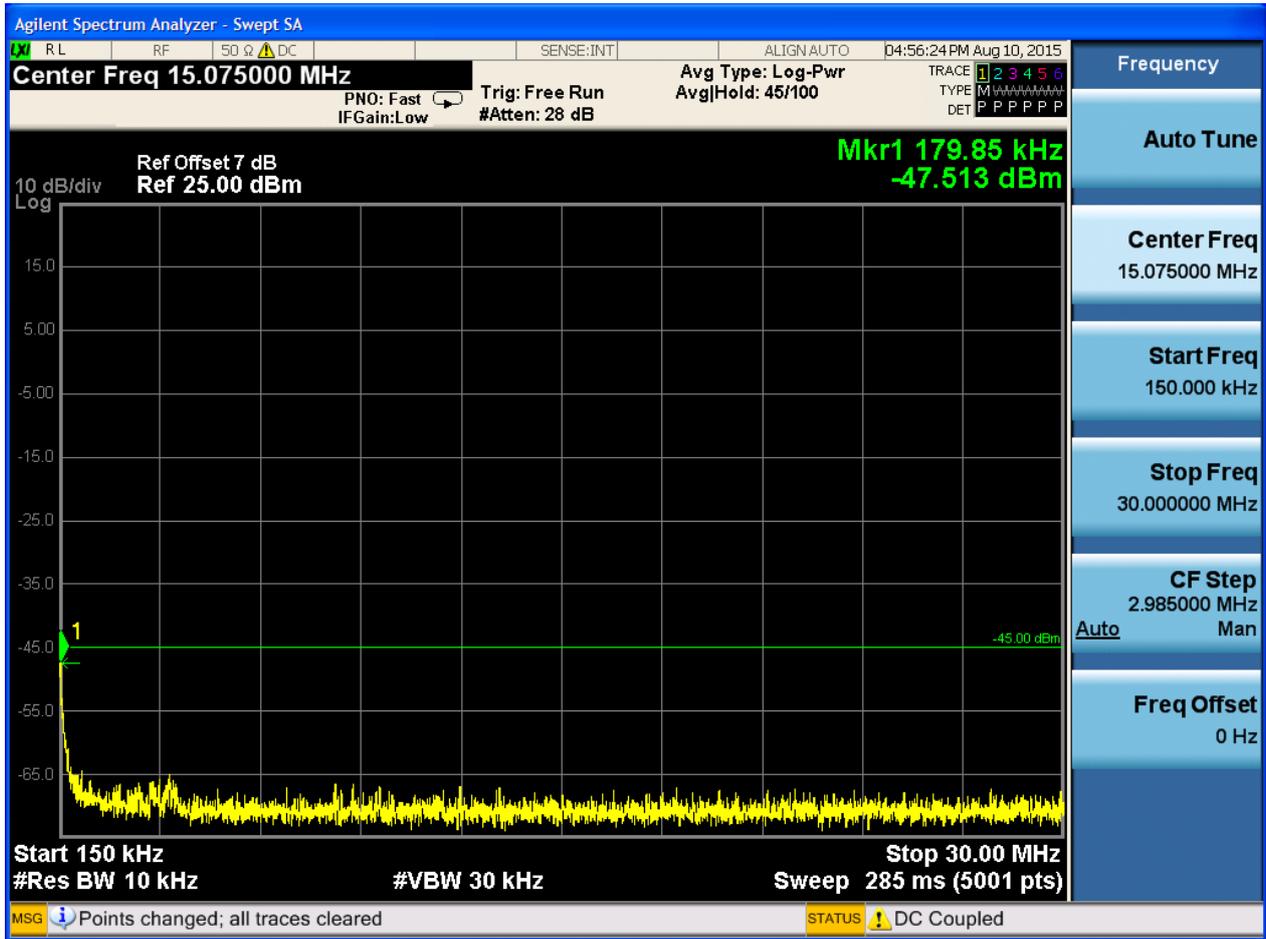


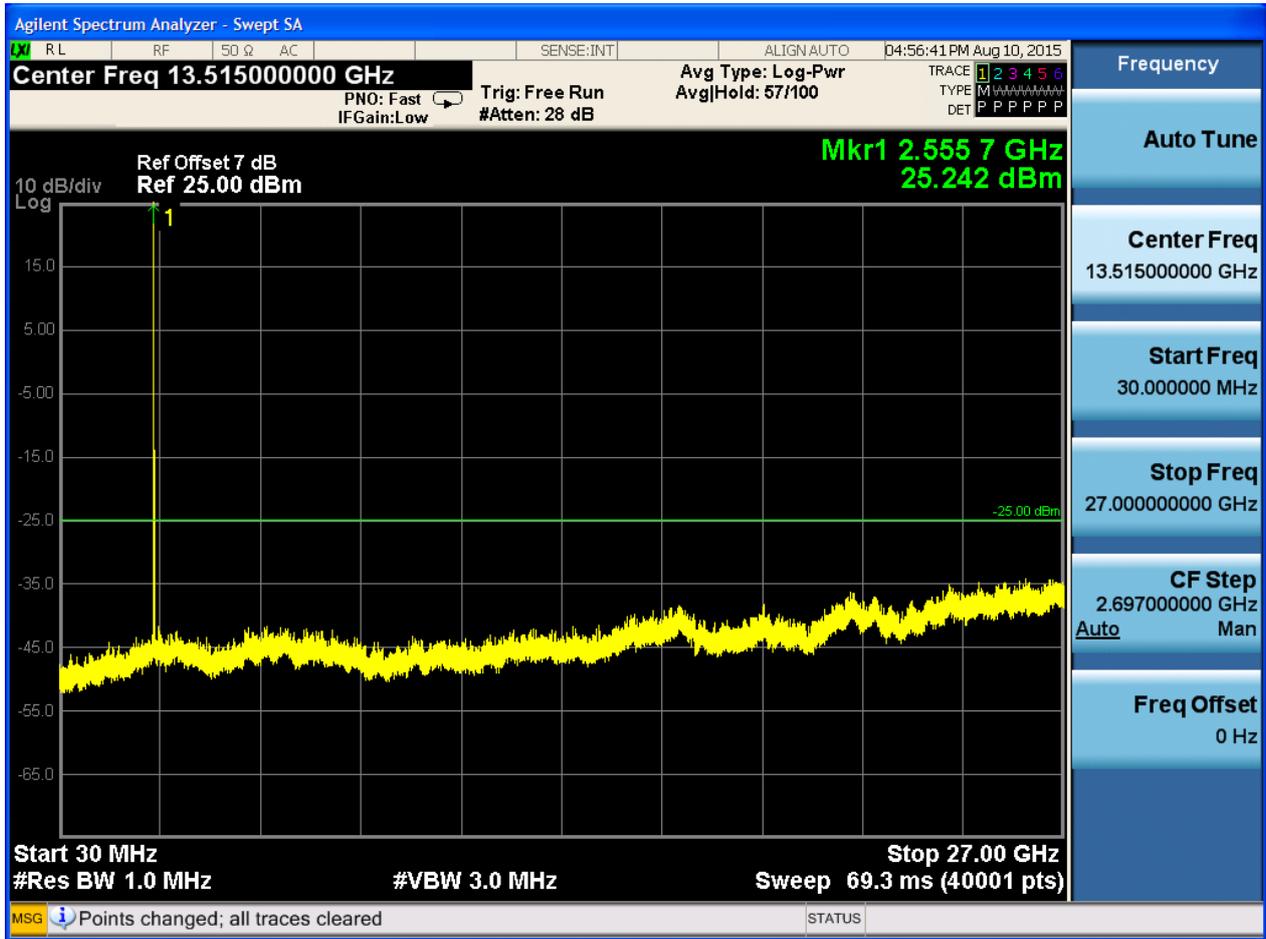


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







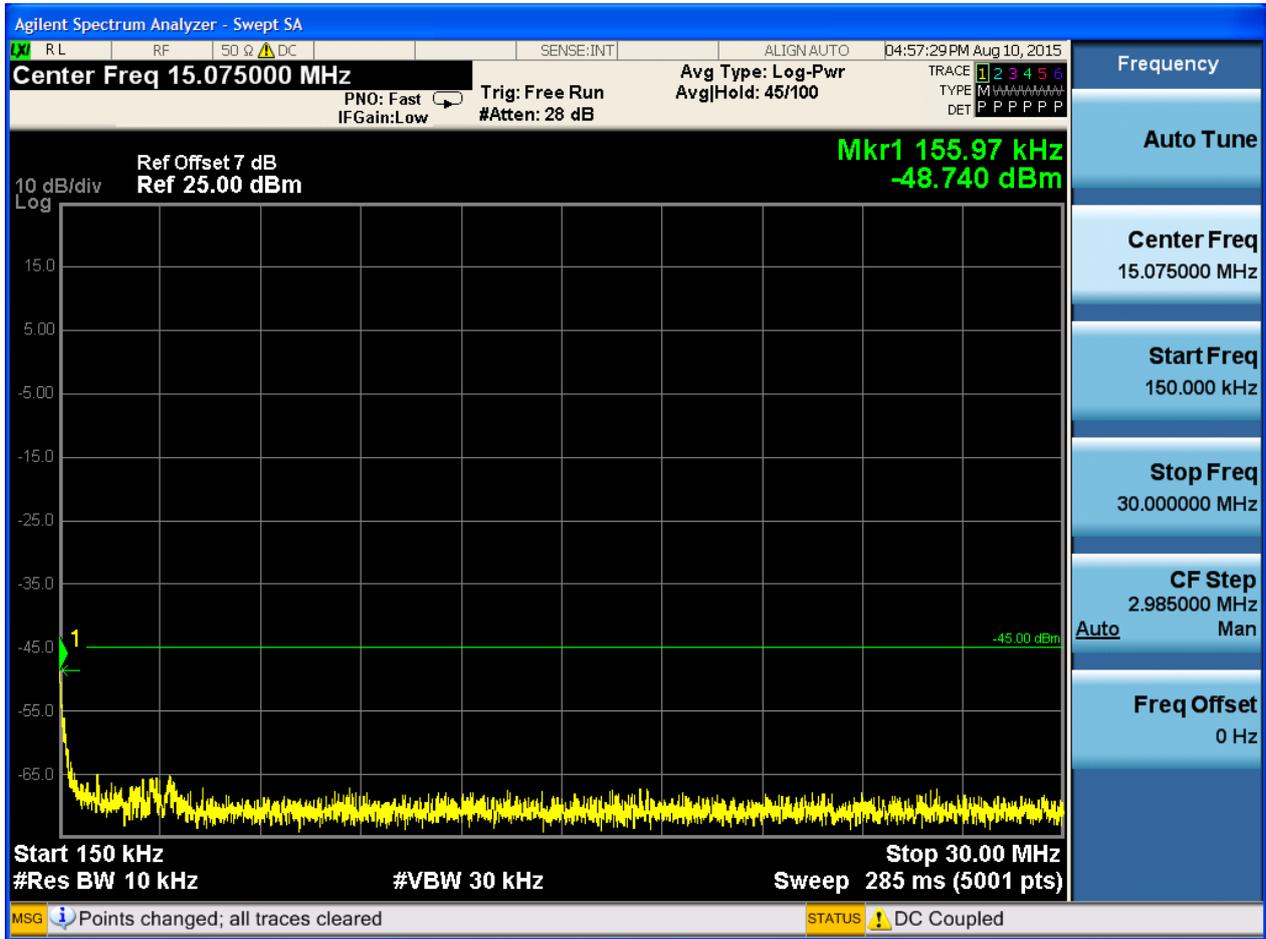


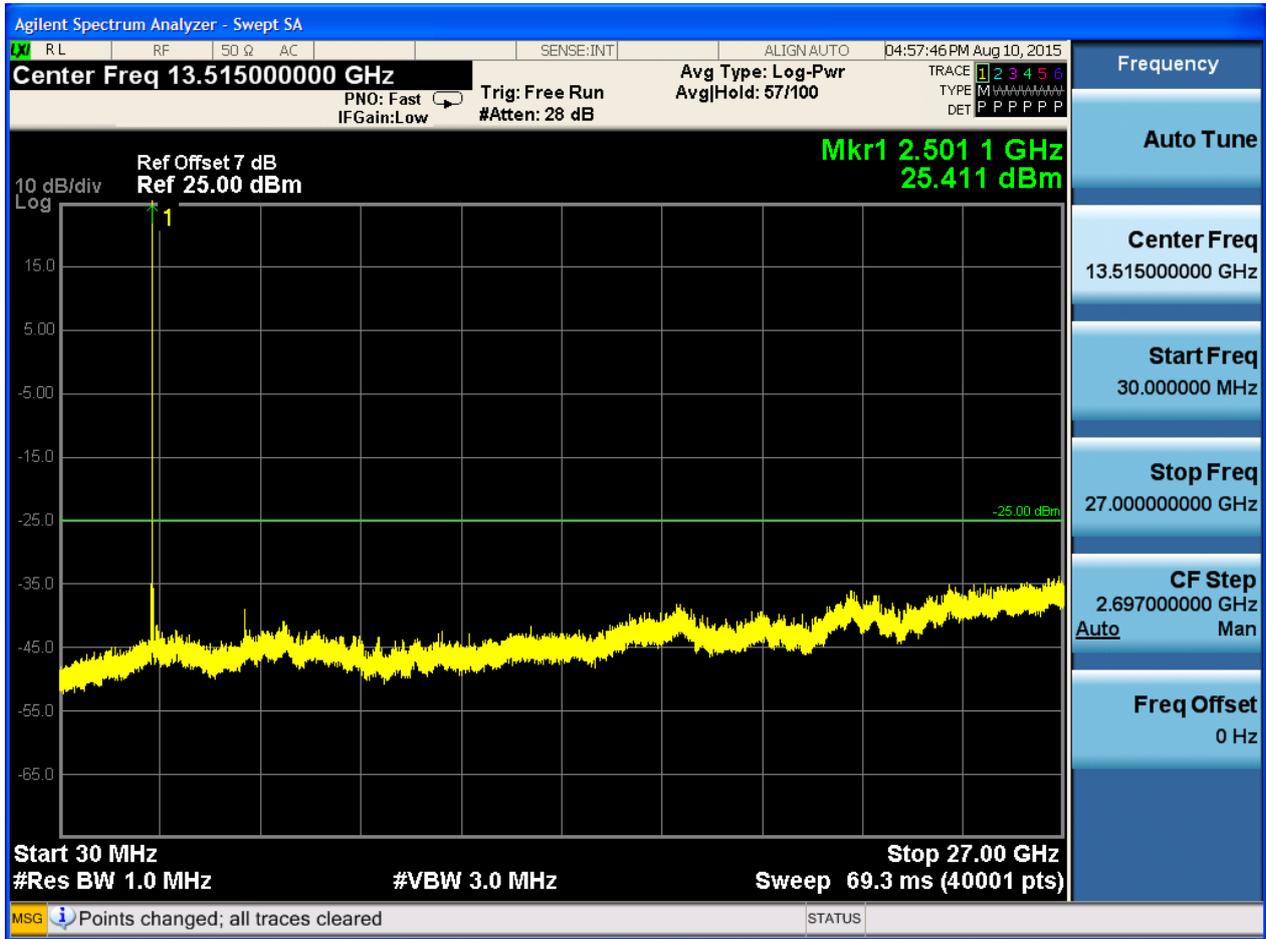
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



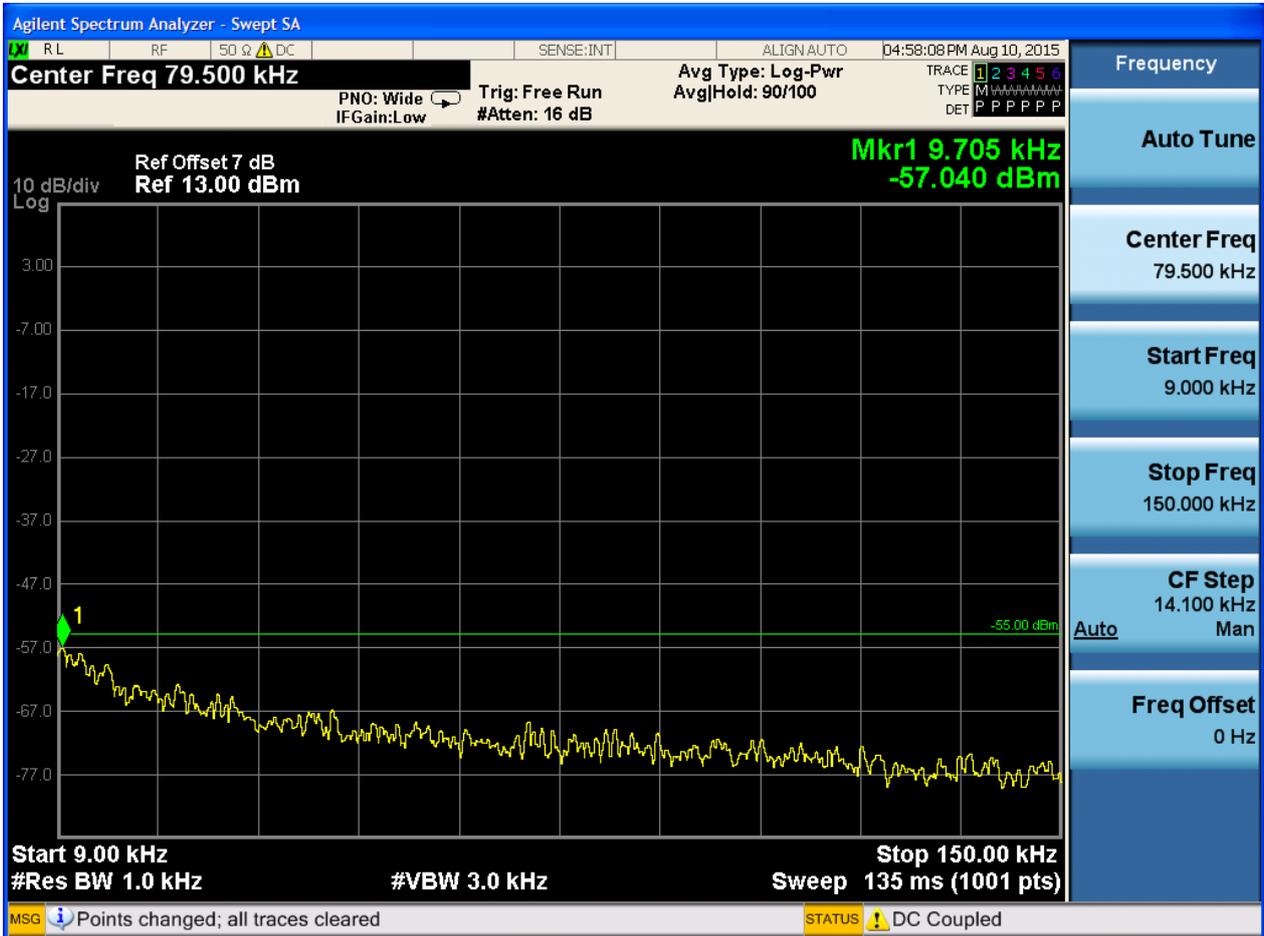


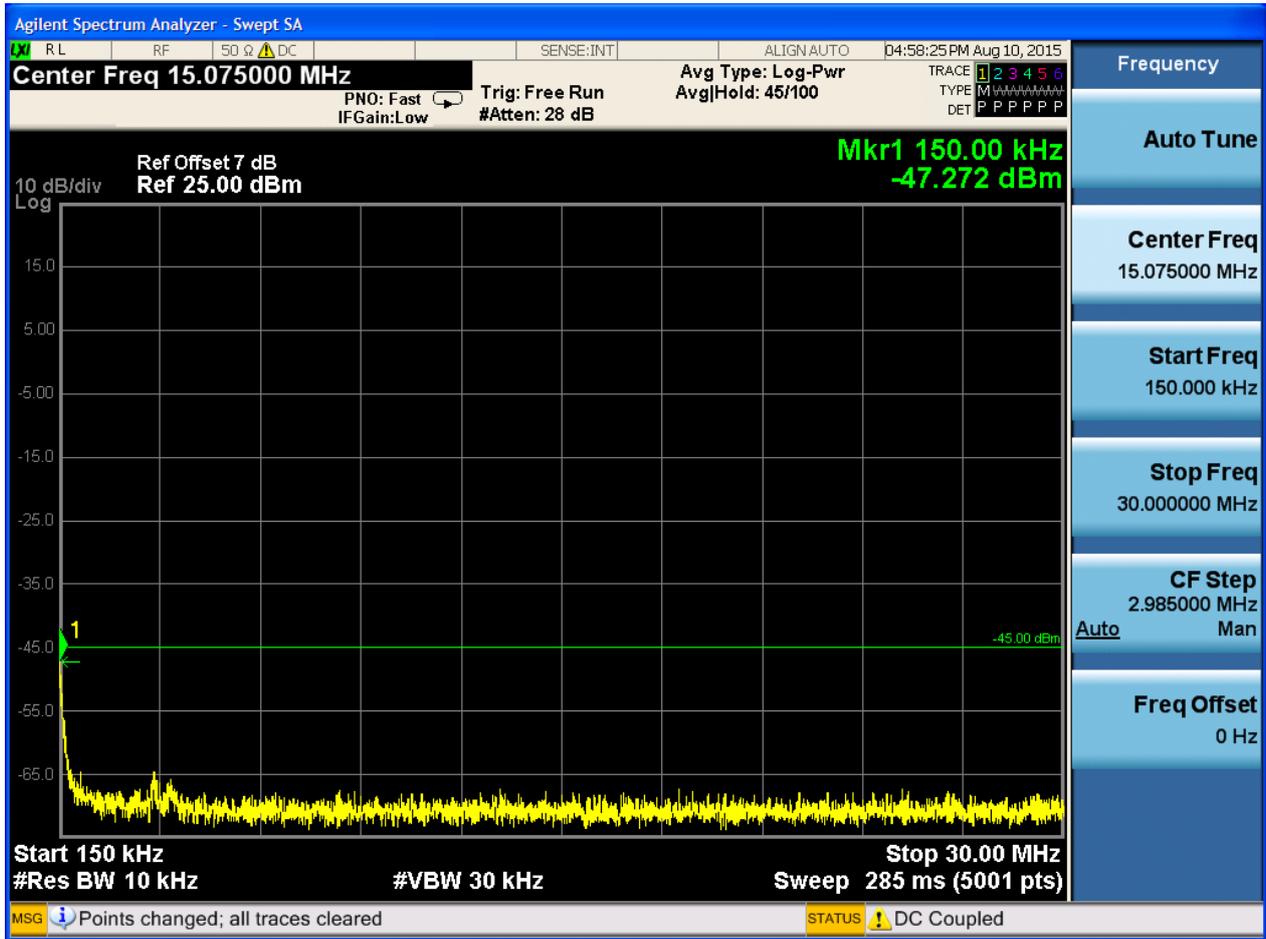


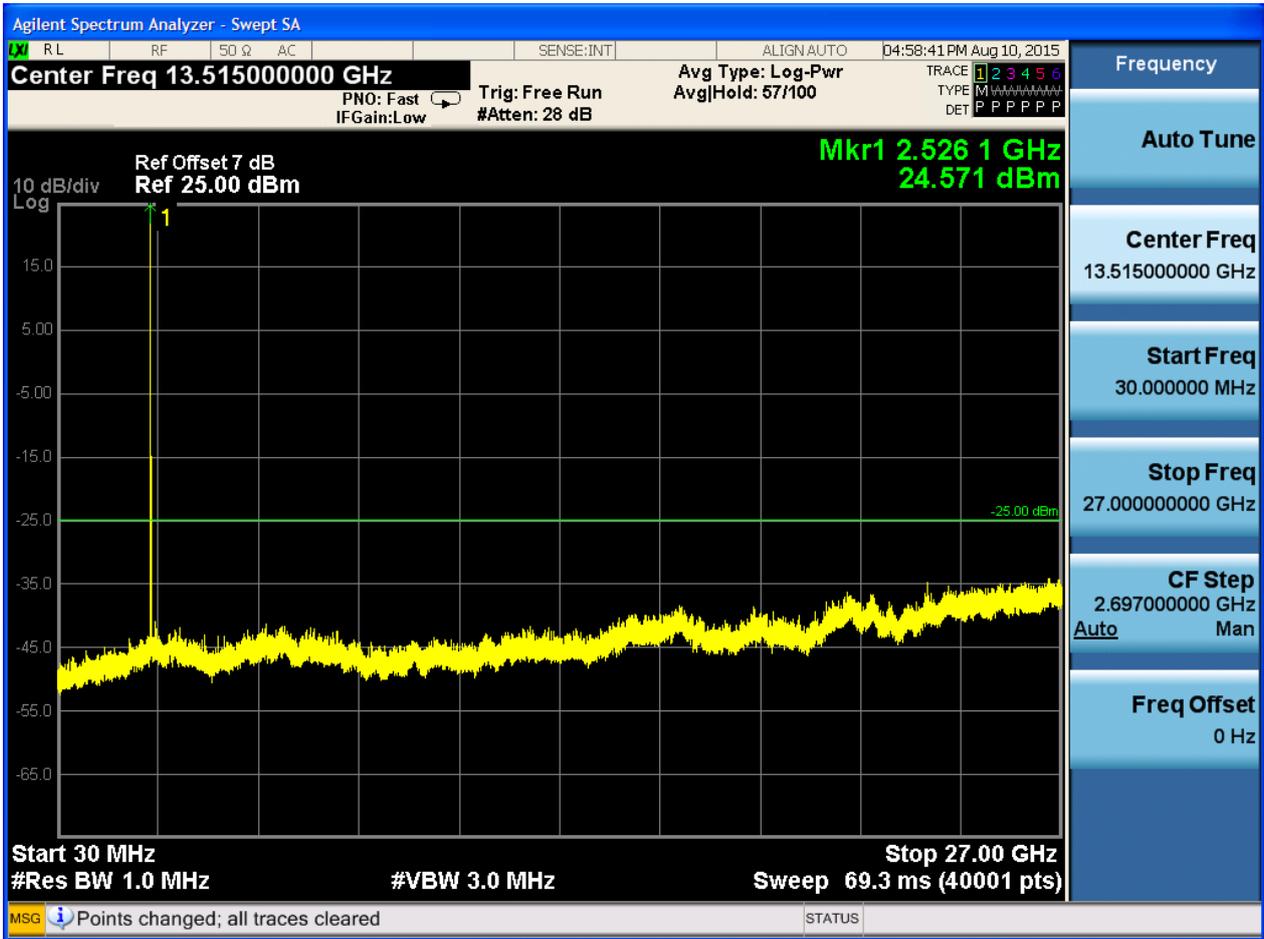


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



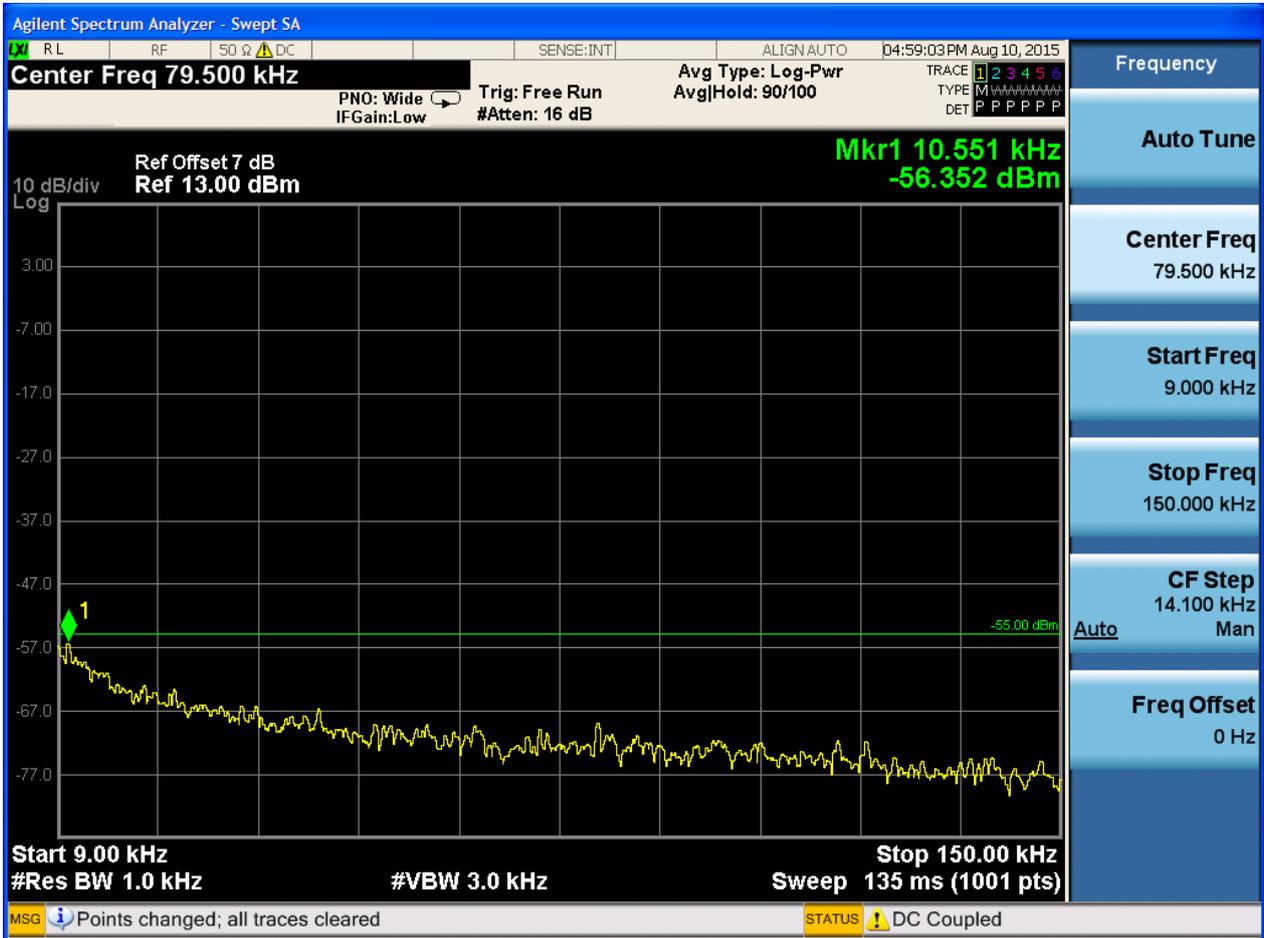


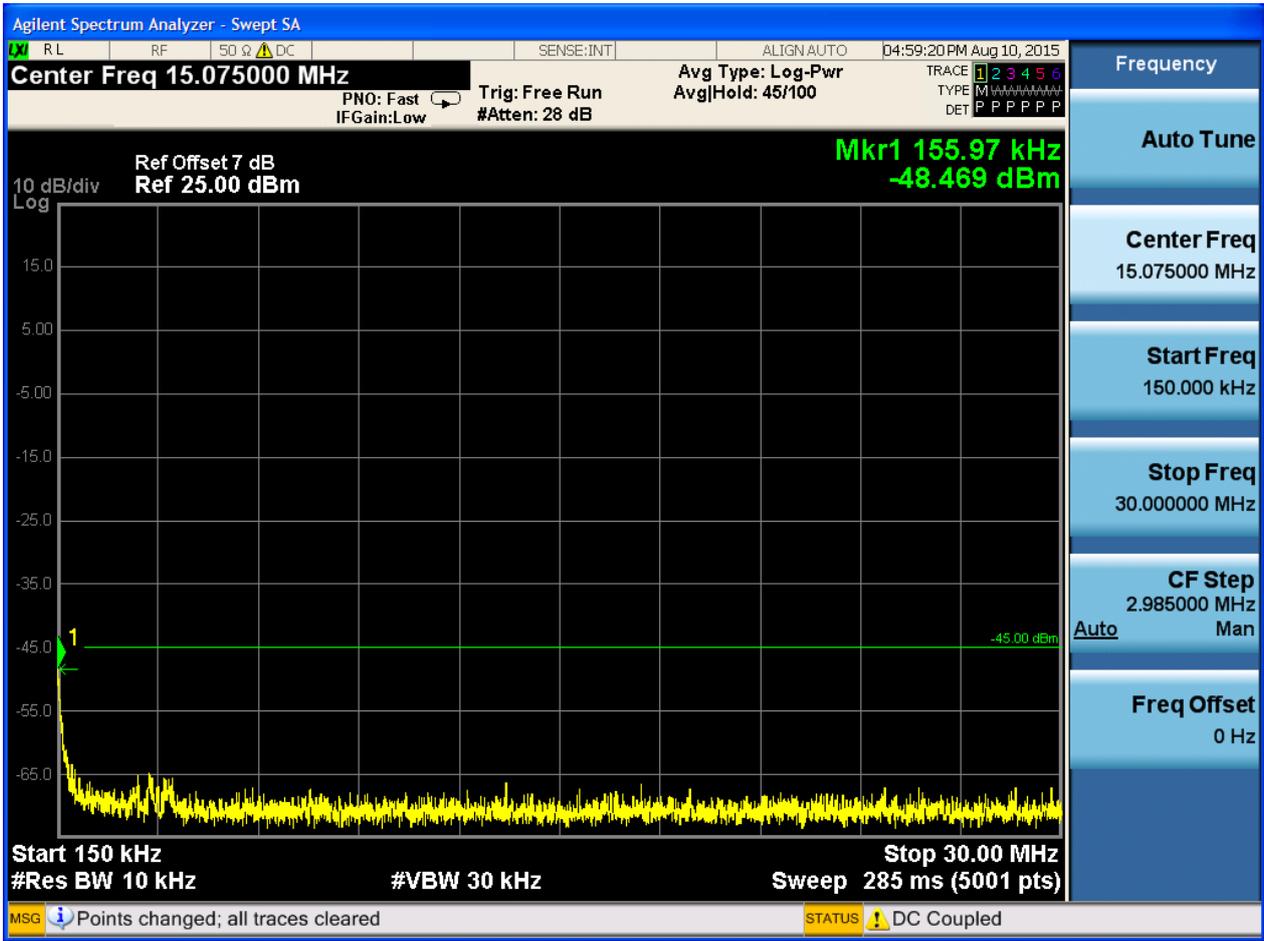


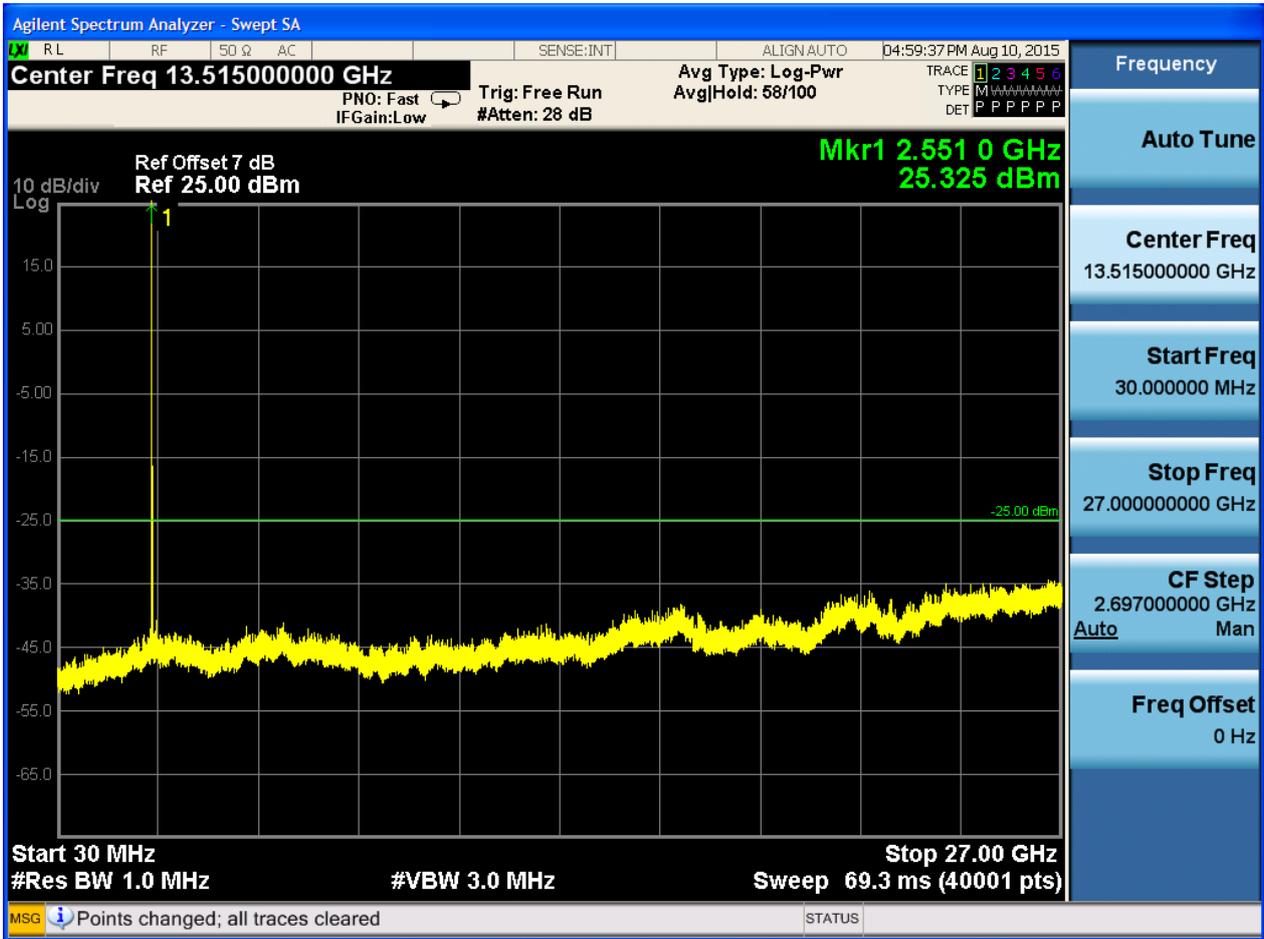


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







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

Note:

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

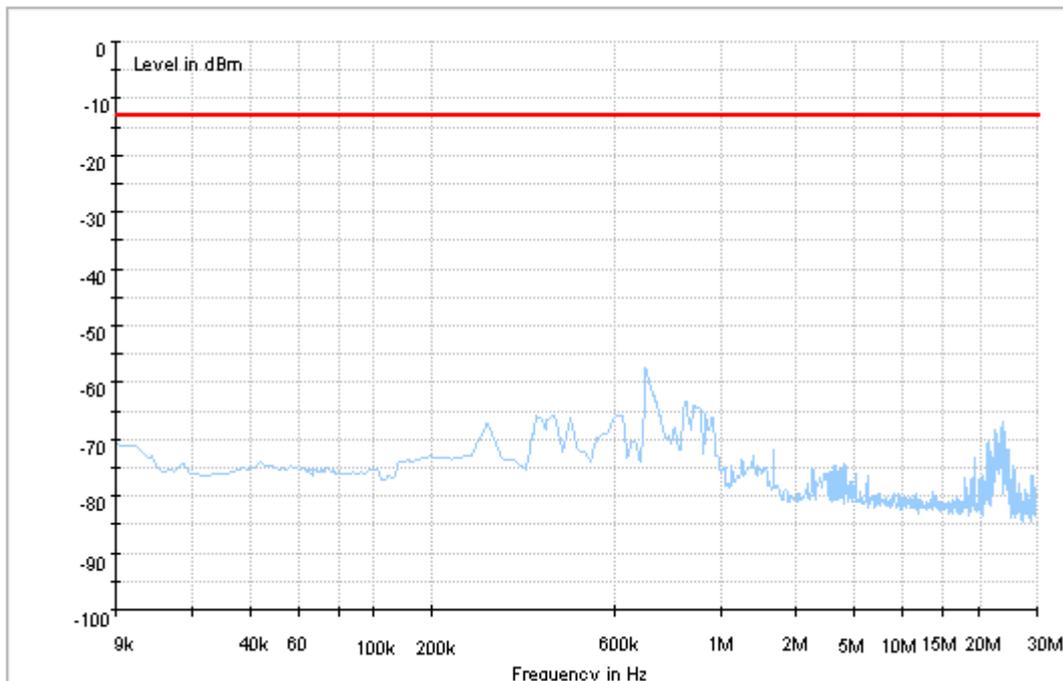
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

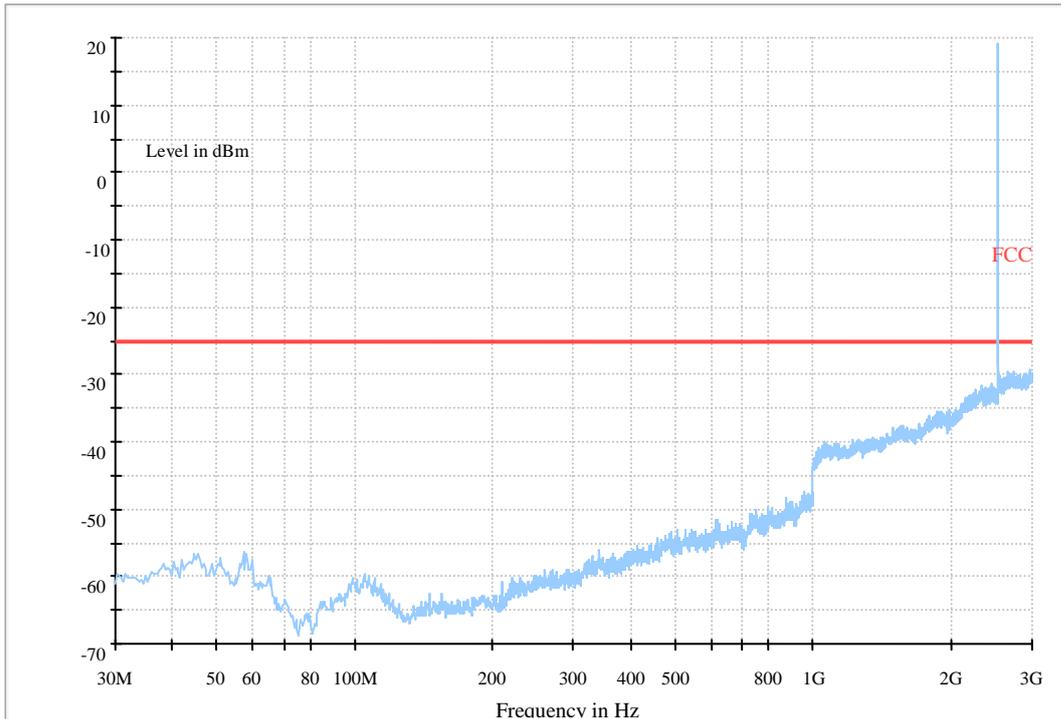
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND7

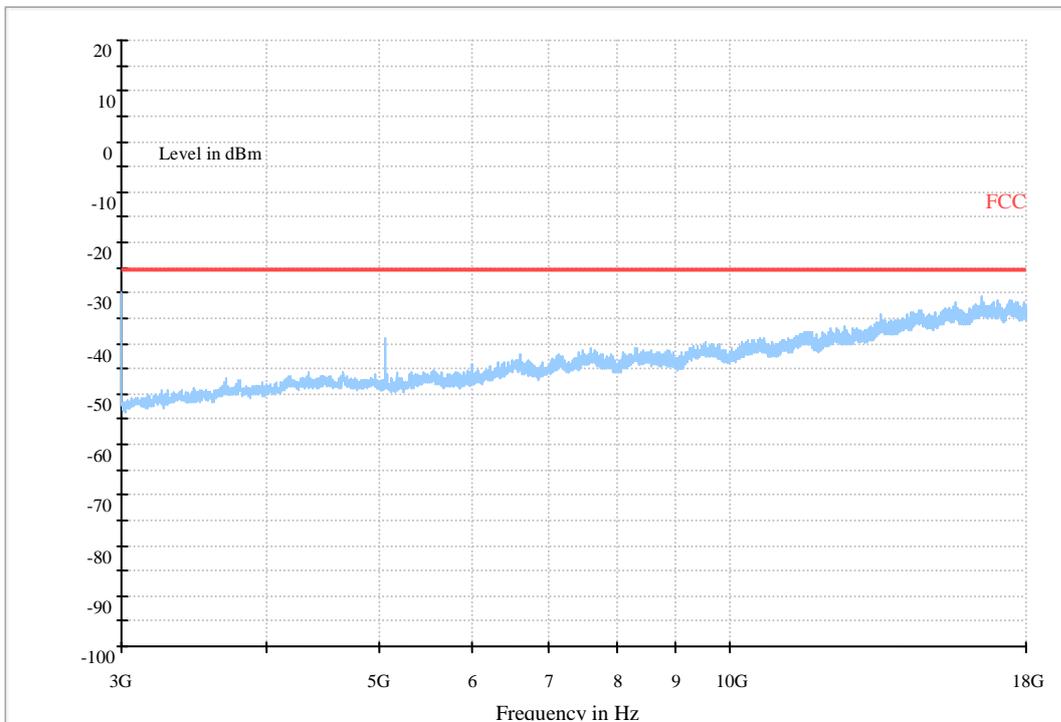
##### 7.1.1.1 Test Bandwidth = 5

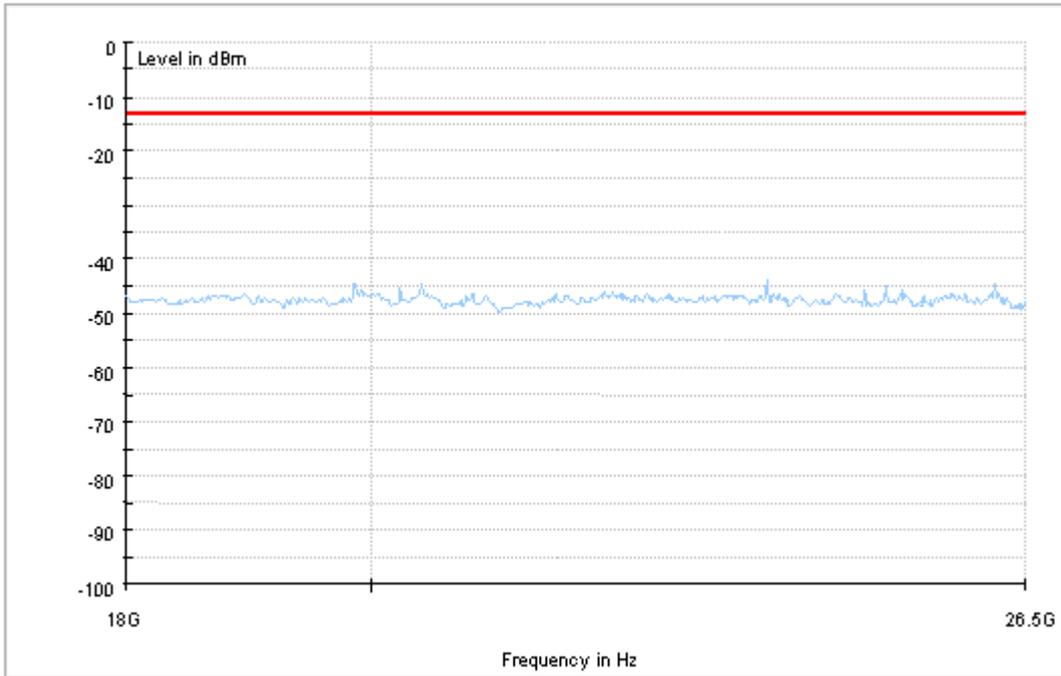


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L

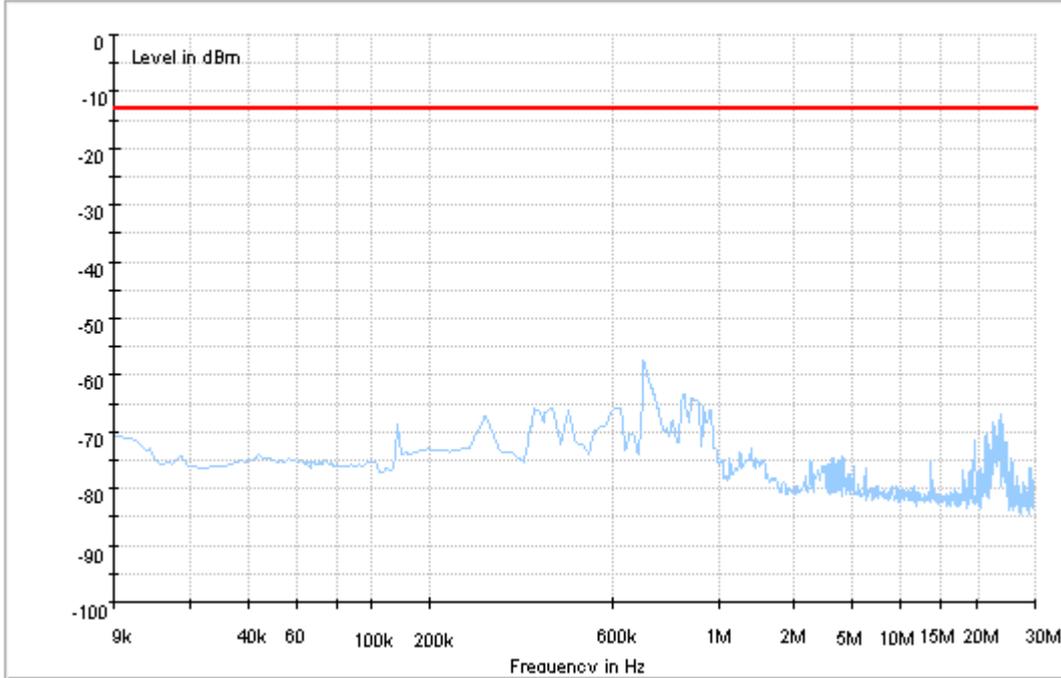


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

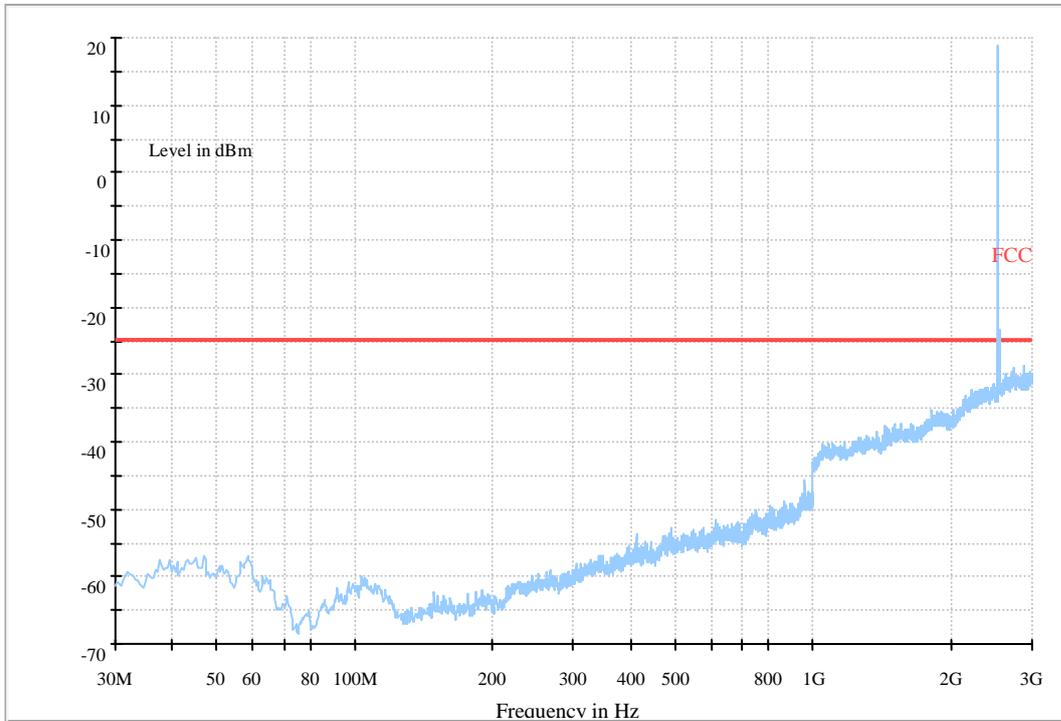




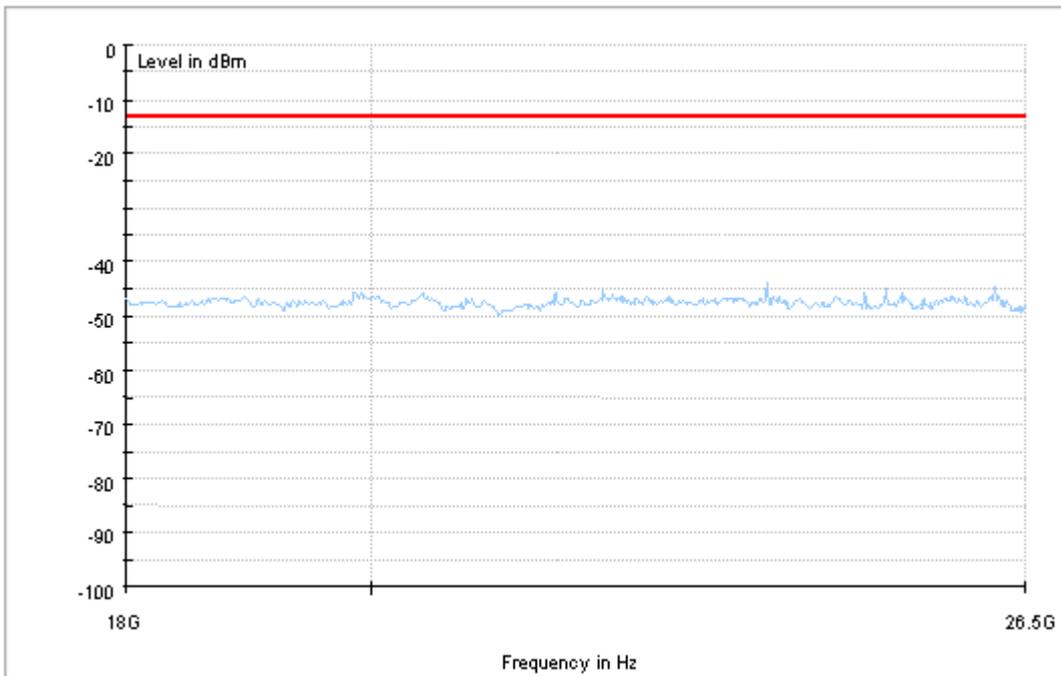
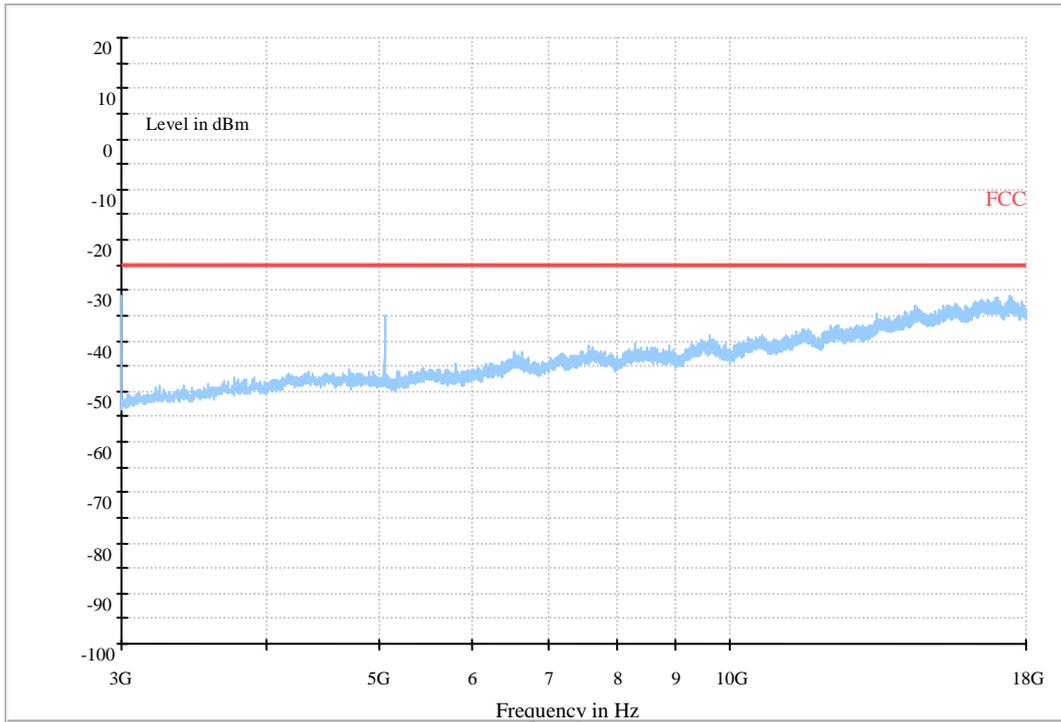
### 7.1.1.2 Test Bandwidth = 20



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
BAND7	LTE/TM1	5	LCH	TN	VL	3.16	0.00126	PASS
					VN	0.26	0.0001	PASS
					VH	-0.36	-0.00014	PASS
			MCH	TN	VL	1.86	0.00073	PASS
					VN	-6.9	-0.00272	PASS
					VH	-0.54	-0.00021	PASS
			HCH	TN	VL	-14.26	-0.00555	PASS
					VN	-24.79	-0.00966	PASS
					VH	-17.45	-0.0068	PASS
		10	LCH	TN	VL	-2.79	-0.00111	PASS
					VN	-2.35	-0.00094	PASS
					VH	-3.99	-0.00159	PASS
			MCH	TN	VL	-3.85	-0.00152	PASS
					VN	-1.44	-0.00057	PASS
					VH	-0.17	-0.00007	PASS
			HCH	TN	VL	-15.44	-0.00602	PASS
					VN	-20.44	-0.00797	PASS
					VH	-24.46	-0.00954	PASS
		15	LCH	TN	VL	-3.56	-0.00142	PASS
					VN	-6.85	-0.00273	PASS
					VH	-2.89	-0.00115	PASS
			MCH	TN	VL	-3.3	-0.0013	PASS
					VN	-3.58	-0.00141	PASS
					VH	-5.46	-0.00215	PASS
HCH	TN		VL	0.57	0.00022	PASS		
			VN	0.47	0.00018	PASS		
			VH	1.27	0.0005	PASS		
20	LCH	TN	VL	1.7	0.00068	PASS		
			VN	0.86	0.00034	PASS		
			VH	2.86	0.00114	PASS		
	MCH	TN	VL	-5.31	-0.00209	PASS		
			VN	-2.99	-0.00118	PASS		
			VH	-3.33	-0.00131	PASS		
HCH	TN	VL	38.97	0.01522	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	33.2	0.01297	PASS	
					VH	26.54	0.01037	PASS	
		5	LCH	TN	VL	0.9	0.00036	PASS	
					VN	0.82	0.00033	PASS	
					VH	2.4	0.00096	PASS	
					VL	-2	-0.00079	PASS	
			MCH	TN	VN	-4.84	-0.00191	PASS	
					VH	-0.87	-0.00034	PASS	
					VL	-23.17	-0.00902	PASS	
					VN	-26.22	-0.01021	PASS	
			HCH	TN	VH	-25.59	-0.00997	PASS	
					VL	-2.83	-0.00113	PASS	
					VN	-4.55	-0.00182	PASS	
					VH	0.17	0.00007	PASS	
		10	LCH	TN	VL	-1.83	-0.00072	PASS	
					VN	-3.52	-0.00139	PASS	
					VH	-1.24	-0.00049	PASS	
					VL	-189.09	-0.07372	PASS	
			MCH	TN	VN	-192.56	-0.07507	PASS	
					VH	-185.34	-0.07226	PASS	
					VL	1	0.0004	PASS	
					VN	-0.36	-0.00014	PASS	
			15	LCH	TN	VH	-0.96	-0.00038	PASS
						VL	-1.69	-0.00067	PASS
						VN	-0.01	0	PASS
				MCH	TN	VH	-3.1	-0.00122	PASS
		VL				-0.21	-0.00008	PASS	
		VN				0.16	0.00006	PASS	
		20	HCH	TN	VH	-0.53	-0.00021	PASS	
					VL	-0.93	-0.00037	PASS	
					VN	-1.75	-0.0007	PASS	
			LCH	TN	VH	1.66	0.00066	PASS	
					VL	-4.42	-0.00174	PASS	
					VN	-1.97	-0.00078	PASS	
		MCH	TN	VH	-1.14	-0.00045	PASS		
				VL	123.83	0.04837	PASS		
				VN	105.46	0.0412	PASS		
		HCH	TN	VH	96.96	0.03787	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
BAND7	LTE/TM1	5	LCH	VN	-30	3.16	0.00126	PASS
					-20	2.8	0.00112	PASS
					-10	2.57	0.00103	PASS
					0	1.39	0.00056	PASS
					10	1.7	0.00068	PASS
					20	0.56	0.00022	PASS
					30	0.57	0.00023	PASS
					40	1.93	0.00077	PASS
			50	1.04	0.00042	PASS		
			MCH	VN	-30	-2.95	-0.00116	PASS
					-20	-1.79	-0.00071	PASS
					-10	-2.06	-0.00081	PASS
					0	-3.49	-0.00138	PASS
					10	-0.51	-0.0002	PASS
					20	-4.65	-0.00183	PASS
					30	-3.89	-0.00153	PASS
					40	-5.09	-0.00201	PASS
			50	-3.52	-0.00139	PASS		
			HCH	VN	-30	-1.56	-0.00061	PASS
					-20	2.13	0.00083	PASS
					-10	-0.47	-0.00018	PASS
					0	1.89	0.00074	PASS
					10	0	0	PASS
					20	-1.02	-0.0004	PASS
		30			1.06	0.00041	PASS	
		40			1.83	0.00071	PASS	
		50	1.1	0.00043	PASS			
10	LCH	VN	-30	-3.49	-0.00139	PASS		
			-20	-1.96	-0.00078	PASS		
			-10	-1.72	-0.00069	PASS		
			0	-3.43	-0.00137	PASS		
			10	-2.83	-0.00113	PASS		
			20	-3.89	-0.00155	PASS		
			30	-1.79	-0.00071	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-2.52	-0.00101	PASS
					50	-4.03	-0.00161	PASS
			MCH	VN	-30	-2.53	-0.001	PASS
					-20	-2.95	-0.00116	PASS
					-10	-2.27	-0.0009	PASS
					0	-4.59	-0.00181	PASS
					10	-3.53	-0.00139	PASS
					20	-1.6	-0.00063	PASS
					30	-2.95	-0.00116	PASS
					40	-2.37	-0.00093	PASS
					50	0.21	0.00008	PASS
					HCH	VN	-30	-2.19
			-20	-1.29			-0.0005	PASS
			-10	-2.49			-0.00097	PASS
			0	-1.69			-0.00066	PASS
			10	-2.68			-0.00104	PASS
			20	-1.86			-0.00073	PASS
			30	-1.03			-0.0004	PASS
			40	-4.85			-0.00189	PASS
			15	LCH	VN	-30	39.35	0.01569
		-20				26.85	0.01071	PASS
		-10				11.62	0.00463	PASS
		0				-0.86	-0.00034	PASS
		10				-13.92	-0.00555	PASS
		20				-25.43	-0.01014	PASS
		30				-32.14	-0.01282	PASS
		40				-38.14	-0.01521	PASS
		50				-37.04	-0.01477	PASS
		MCH				VN	-30	-2.57
				-20	-3.73		-0.00147	PASS
				-10	-1.82		-0.00072	PASS
				0	-1.75		-0.00069	PASS
				10	-3.73		-0.00147	PASS
				20	-2.46		-0.00097	PASS
				30	-2.23		-0.00088	PASS
				40	-4.11		-0.00162	PASS
		HCH		VN	-30	5.04	0.00197	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					-20	3.52	0.00137	PASS			
					-10	3.02	0.00118	PASS			
					0	1.99	0.00078	PASS			
					10	3.3	0.00129	PASS			
					20	3.58	0.0014	PASS			
					30	2.26	0.00088	PASS			
					40	3.28	0.00128	PASS			
					50	1.9	0.00074	PASS			
		20	LCH	VN	-30	0.29	0.00012	PASS			
					-20	2.25	0.0009	PASS			
					-10	3.69	0.00147	PASS			
					0	3.13	0.00125	PASS			
					10	3.4	0.00135	PASS			
					20	3.98	0.00159	PASS			
					30	6.17	0.00246	PASS			
					40	3.56	0.00142	PASS			
					50	3.03	0.00121	PASS			
					20	MCH	VN	-30	-3.5	-0.00138	PASS
								-20	-1.89	-0.00075	PASS
								-10	-1.87	-0.00074	PASS
		0	-2.2	-0.00087				PASS			
		10	-2.68	-0.00106				PASS			
		20	-1.26	-0.0005				PASS			
		30	-1.37	-0.00054				PASS			
		40	-4.69	-0.00185				PASS			
		20	HCH	VN	-30	1.24	0.00048	PASS			
					-20	0.16	0.00006	PASS			
					-10	0.44	0.00017	PASS			
					0	-0.49	-0.00019	PASS			
					10	0.29	0.00011	PASS			
					20	-1.2	-0.00047	PASS			
					30	-0.86	-0.00034	PASS			
	40				-0.01	0	PASS				
	50	0.5	0.0002	PASS							
	LTE/TM2	5	LCH	VN	-30	2.19	0.00088	PASS			
					-20	3.49	0.00139	PASS			
					-10	3.56	0.00142	PASS			
					0	0.57	0.00023	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	2.29	0.00092	PASS
					20	4.66	0.00186	PASS
					30	2.75	0.0011	PASS
					40	2.37	0.00095	PASS
					50	4.82	0.00193	PASS
			MCH	VN	-30	-4.95	-0.00195	PASS
					-20	-0.82	-0.00032	PASS
					-10	-2.13	-0.00084	PASS
					0	-4.36	-0.00172	PASS
					10	-2.86	-0.00113	PASS
					20	-3.99	-0.00157	PASS
					30	-2.78	-0.0011	PASS
					40	-2.76	-0.00109	PASS
					50	-2.92	-0.00115	PASS
					HCH	VN	-30	-0.66
			-20	0.5			0.00019	PASS
			-10	1.97			0.00077	PASS
			0	-1.16			-0.00045	PASS
			10	1.07			0.00042	PASS
			20	2.3			0.0009	PASS
		30	2.4	0.00093			PASS	
		40	0.6	0.00023			PASS	
		10	LCH	VN	-30	-3.1	-0.00124	PASS
					-20	-2.45	-0.00098	PASS
					-10	-5.16	-0.00206	PASS
					0	-3.09	-0.00123	PASS
					10	-2.96	-0.00118	PASS
					20	-4.36	-0.00174	PASS
					30	-3.6	-0.00144	PASS
					40	-3.81	-0.00152	PASS
					50	-3.49	-0.00139	PASS
					MCH	VN	-30	-2.68
			-20	-2.36			-0.00093	PASS
			-10	-4.15			-0.00164	PASS
			0	-1.77			-0.0007	PASS
			10	-2.92			-0.00115	PASS
			20	-3.29			-0.0013	PASS
			30	-4.33			-0.00171	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-4.11	-0.00162	PASS
					50	-0.37	-0.00015	PASS
			HCH	VN	-30	-2.19	-0.00085	PASS
					-20	-3.48	-0.00136	PASS
					-10	-4.21	-0.00164	PASS
					0	-4.13	-0.00161	PASS
					10	-4.78	-0.00186	PASS
					20	-4.82	-0.00188	PASS
					30	-3.88	-0.00151	PASS
					40	-3.32	-0.00129	PASS
					50	-2.73	-0.00106	PASS
					15	LCH	VN	-30
		-20	75.14	0.02997				PASS
		-10	63.63	0.02538				PASS
		0	55.23	0.02203				PASS
		10	42.97	0.01714				PASS
		20	32.04	0.01278				PASS
		30	21.11	0.00842				PASS
		40	12.99	0.00518				PASS
		MCH	VN	-30		-2.6	-0.00103	PASS
				-20		-2.53	-0.001	PASS
				-10		-2.65	-0.00105	PASS
				0		-2.33	-0.00092	PASS
				10		-2.22	-0.00088	PASS
				20		-2.76	-0.00109	PASS
				30		-3.98	-0.00157	PASS
				40		-1.56	-0.00062	PASS
		HCH	VN	-30		1.13	0.00044	PASS
				-20		2.7	0.00105	PASS
				-10	2.85	0.00111	PASS	
				0	2.86	0.00112	PASS	
				10	0.19	0.00007	PASS	
				20	1.13	0.00044	PASS	
				30	2.55	0.001	PASS	
				40	2.89	0.00113	PASS	
		50	2.99	0.00117	PASS			
		20	LCH	VN	-30	1.54	0.00061	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	1.4	0.00056	PASS
					-10	4.39	0.00175	PASS
					0	1.75	0.0007	PASS
					10	2.6	0.00104	PASS
					20	3.05	0.00122	PASS
					30	0.83	0.00033	PASS
					40	3.52	0.0014	PASS
					50	1.6	0.00064	PASS
			MCH	VN	-30	-4.88	-0.00193	PASS
			MCH	VN	-20	-4.25	-0.00168	PASS
			MCH	VN	-10	-3.38	-0.00133	PASS
			MCH	VN	0	-1.6	-0.00063	PASS
			MCH	VN	10	-3.28	-0.00129	PASS
			MCH	VN	20	-2.07	-0.00082	PASS
			MCH	VN	30	-0.92	-0.00036	PASS
			MCH	VN	40	-3.16	-0.00125	PASS
			MCH	VN	50	-4.69	-0.00185	PASS
			HCH	VN	-30	2.02	0.00079	PASS
			HCH	VN	-20	0.73	0.00029	PASS
			HCH	VN	-10	3.45	0.00135	PASS
			HCH	VN	0	1.97	0.00077	PASS
			HCH	VN	10	1.39	0.00054	PASS
			HCH	VN	20	-0.21	-0.00008	PASS
			HCH	VN	30	3.71	0.00145	PASS
			HCH	VN	40	2.15	0.00084	PASS
			HCH	VN	50	1.34	0.00052	PASS

END