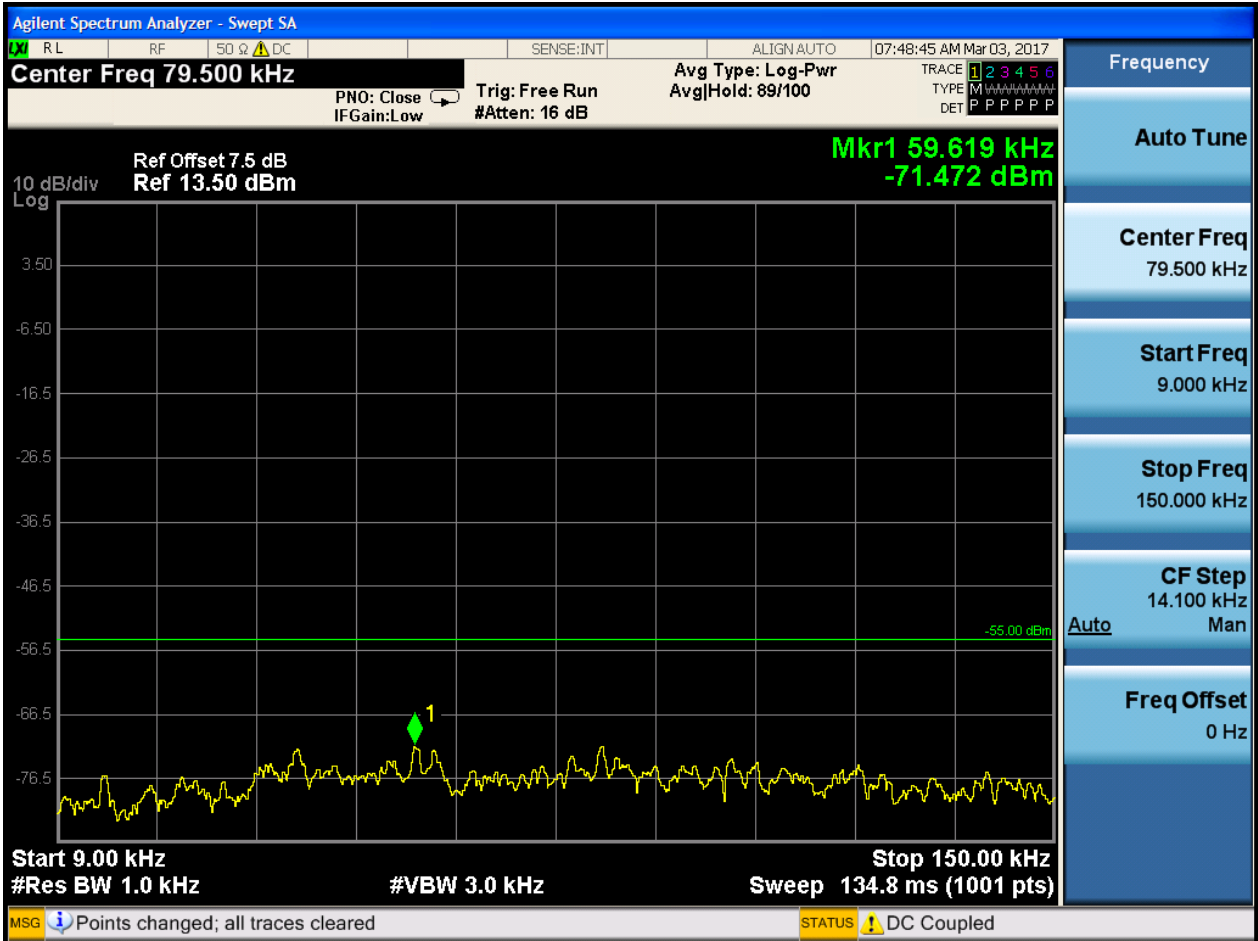
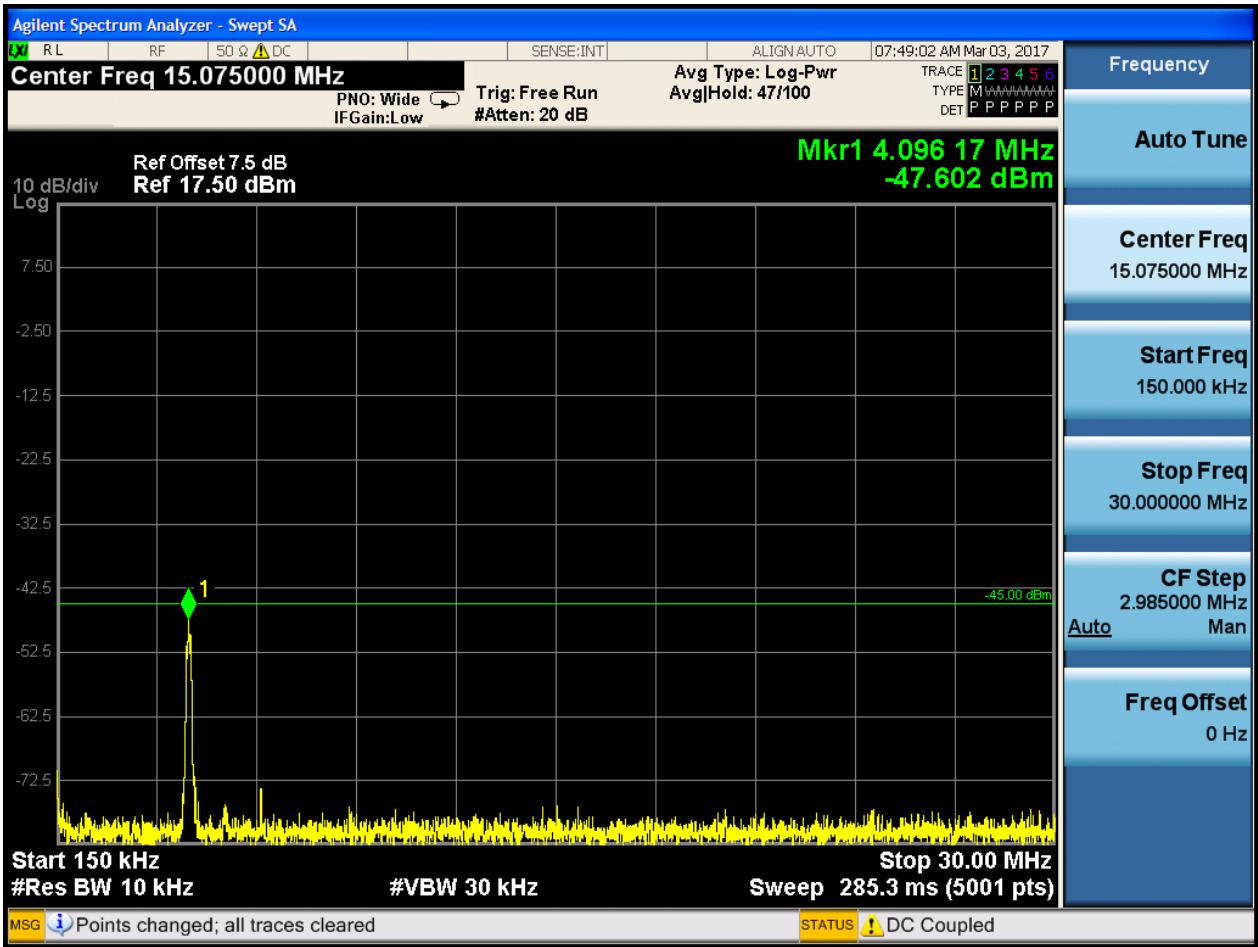


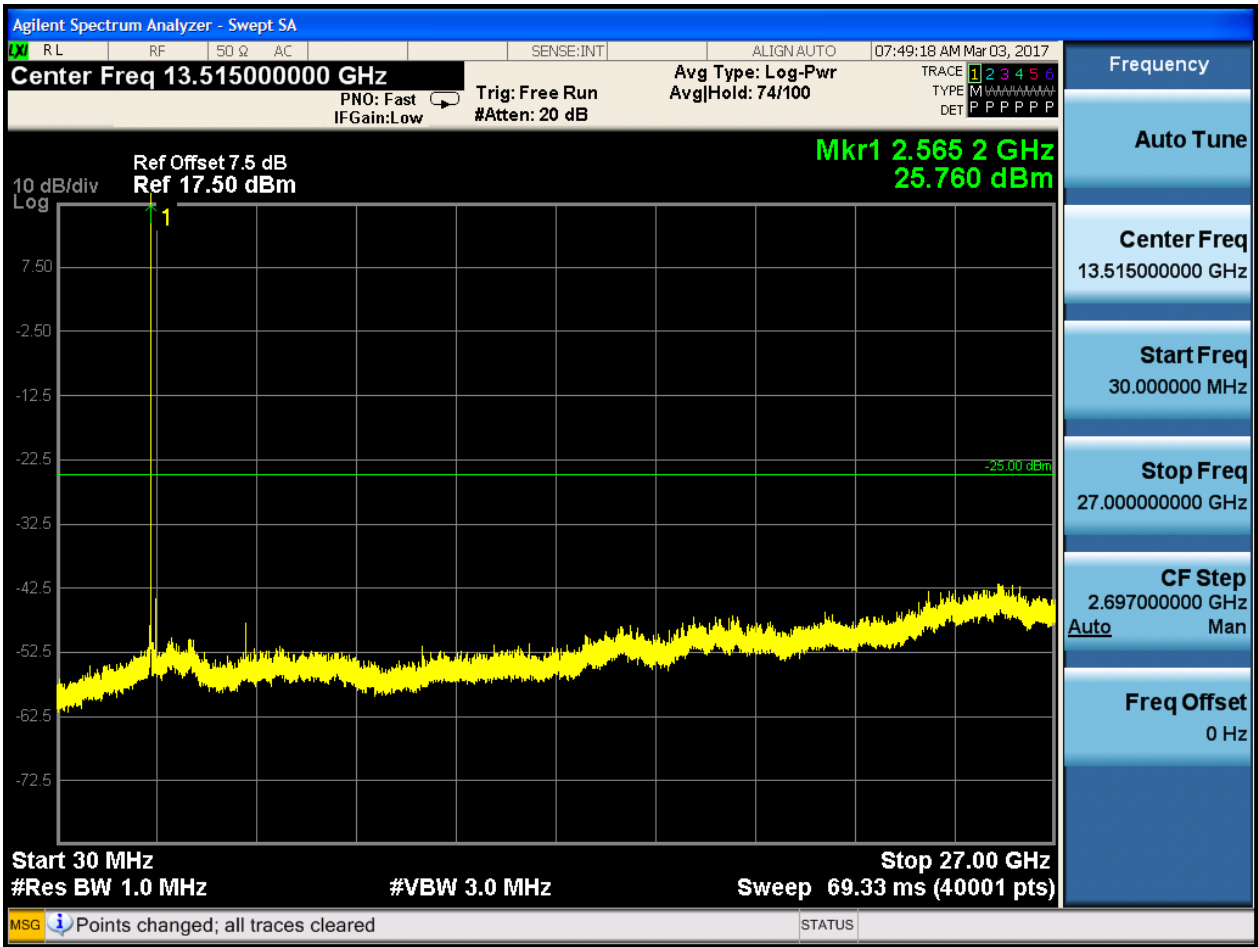


6.1.1.1..1.3 Test Channel = HCH

6.1.1.1..1.3.1 Test RB = RB1#0





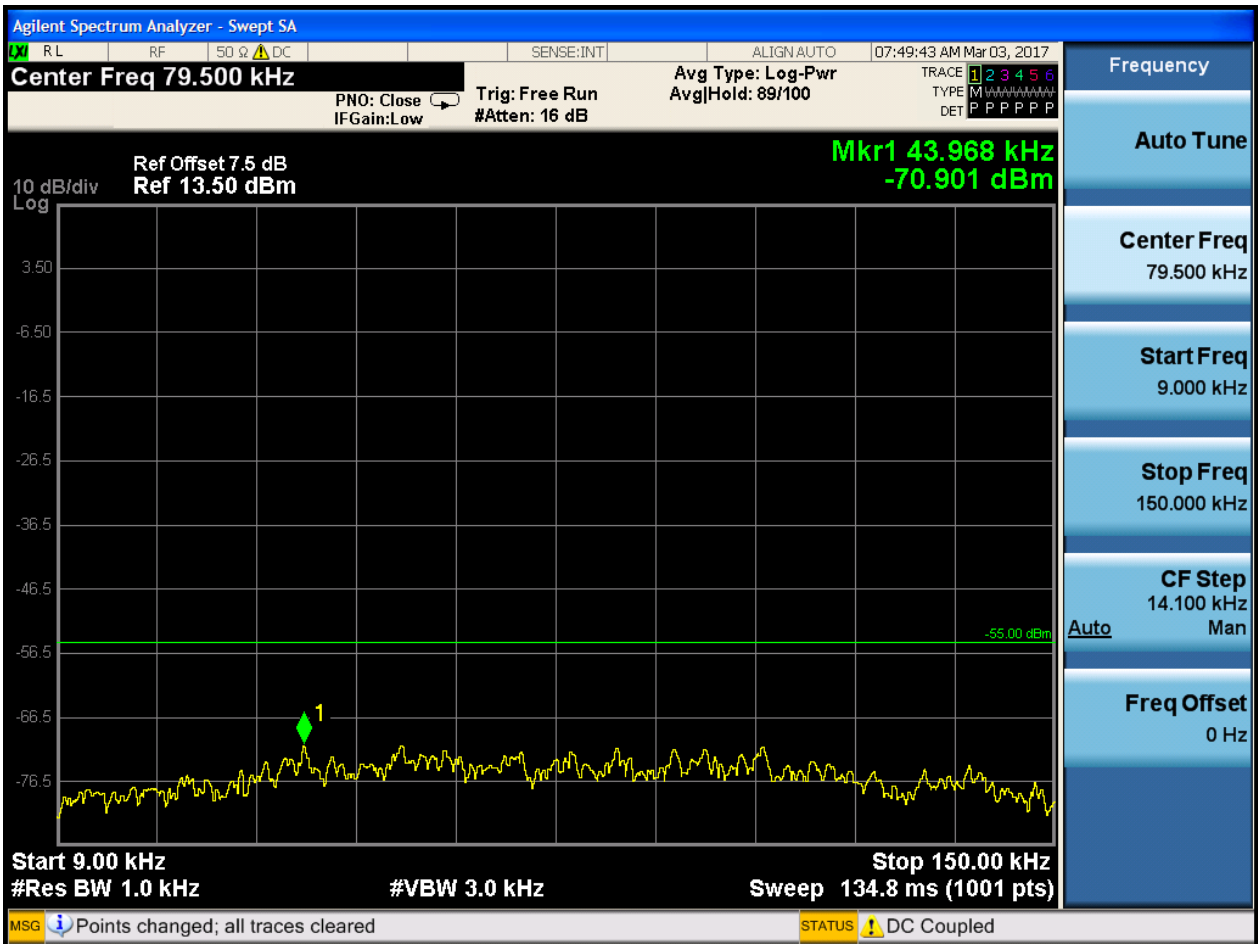


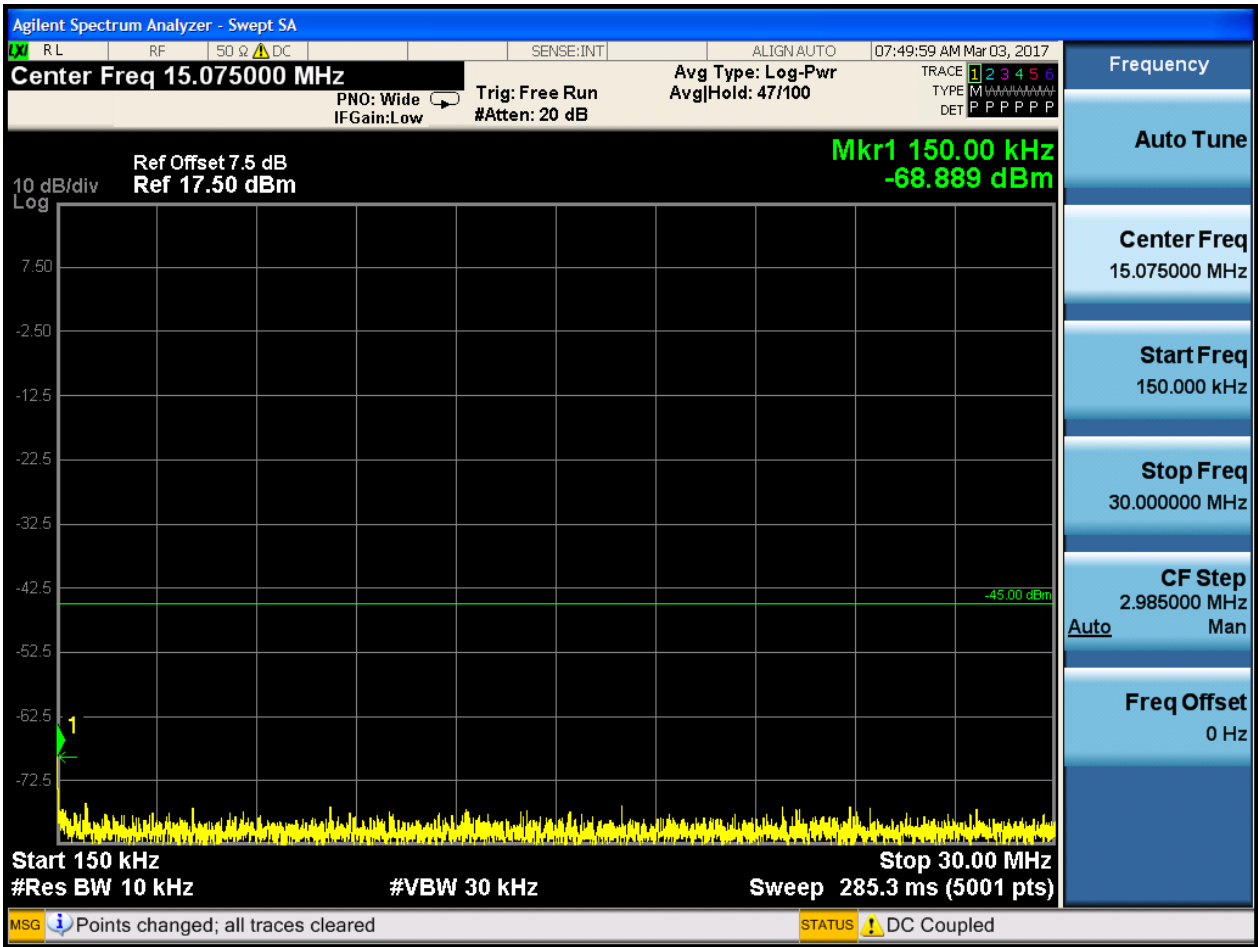


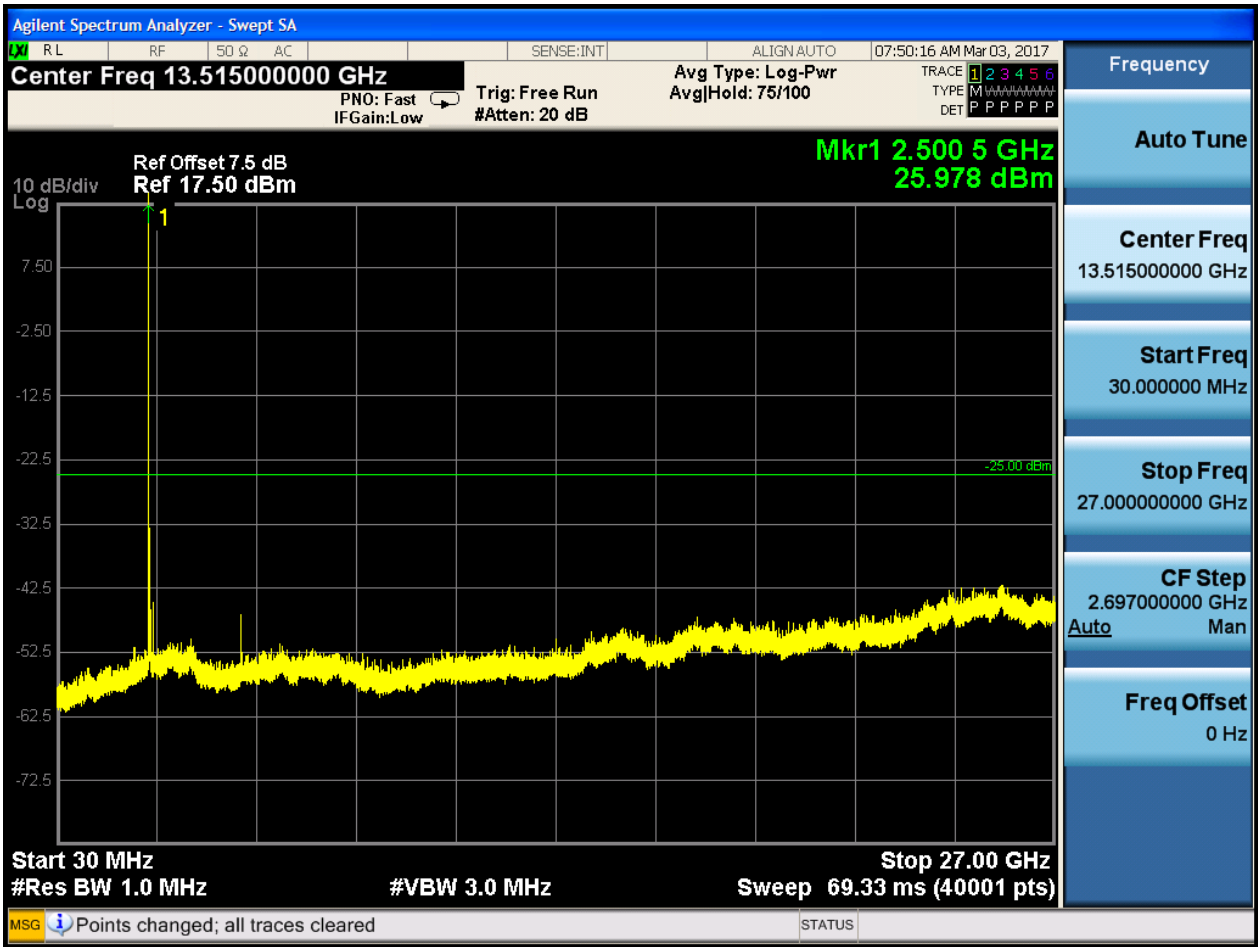
6.1.1.1..2 Test Bandwidth = 10

6.1.1.1..2.1 Test Channel = LCH

6.1.1.1..2.1.1 Test RB = RB1#0



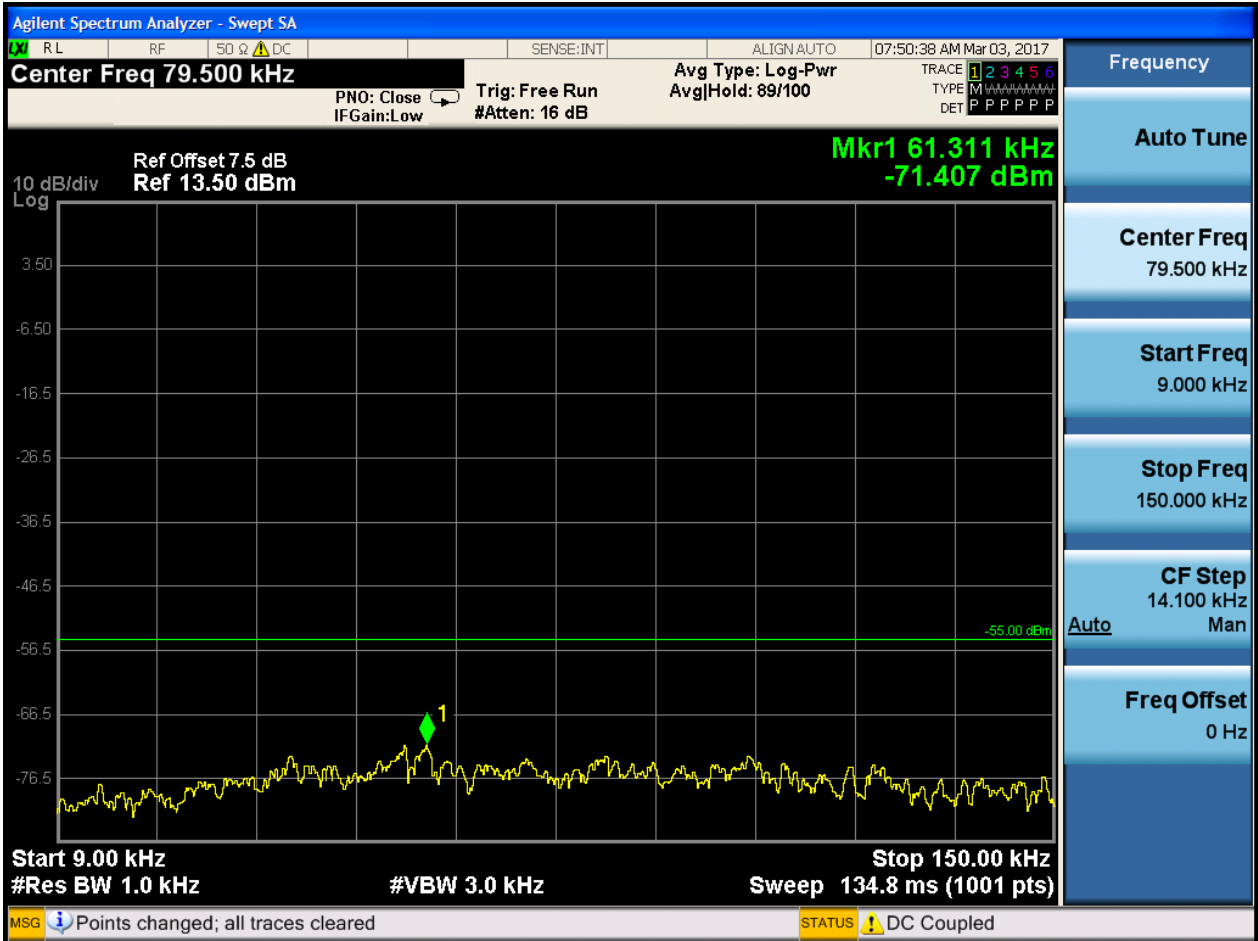


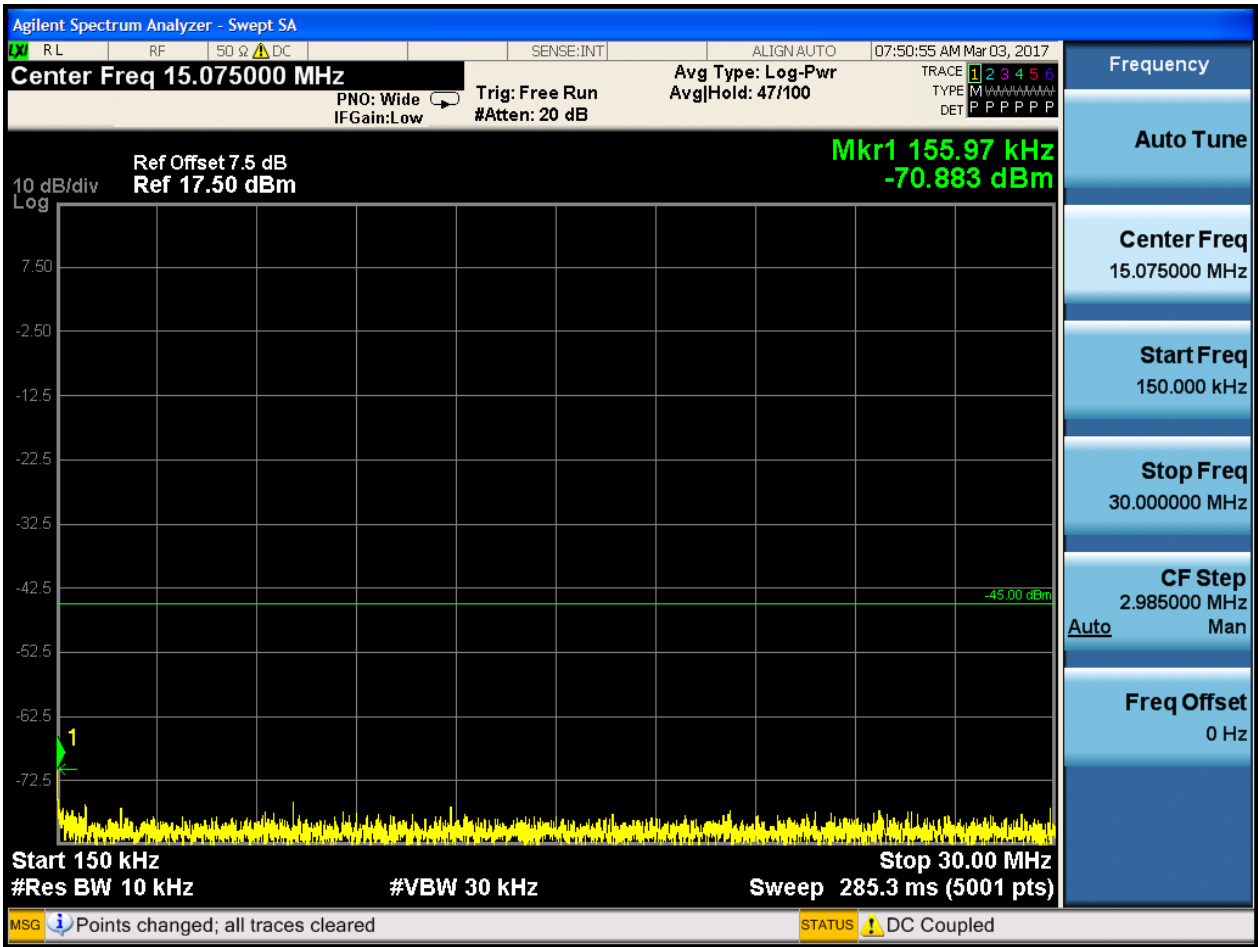




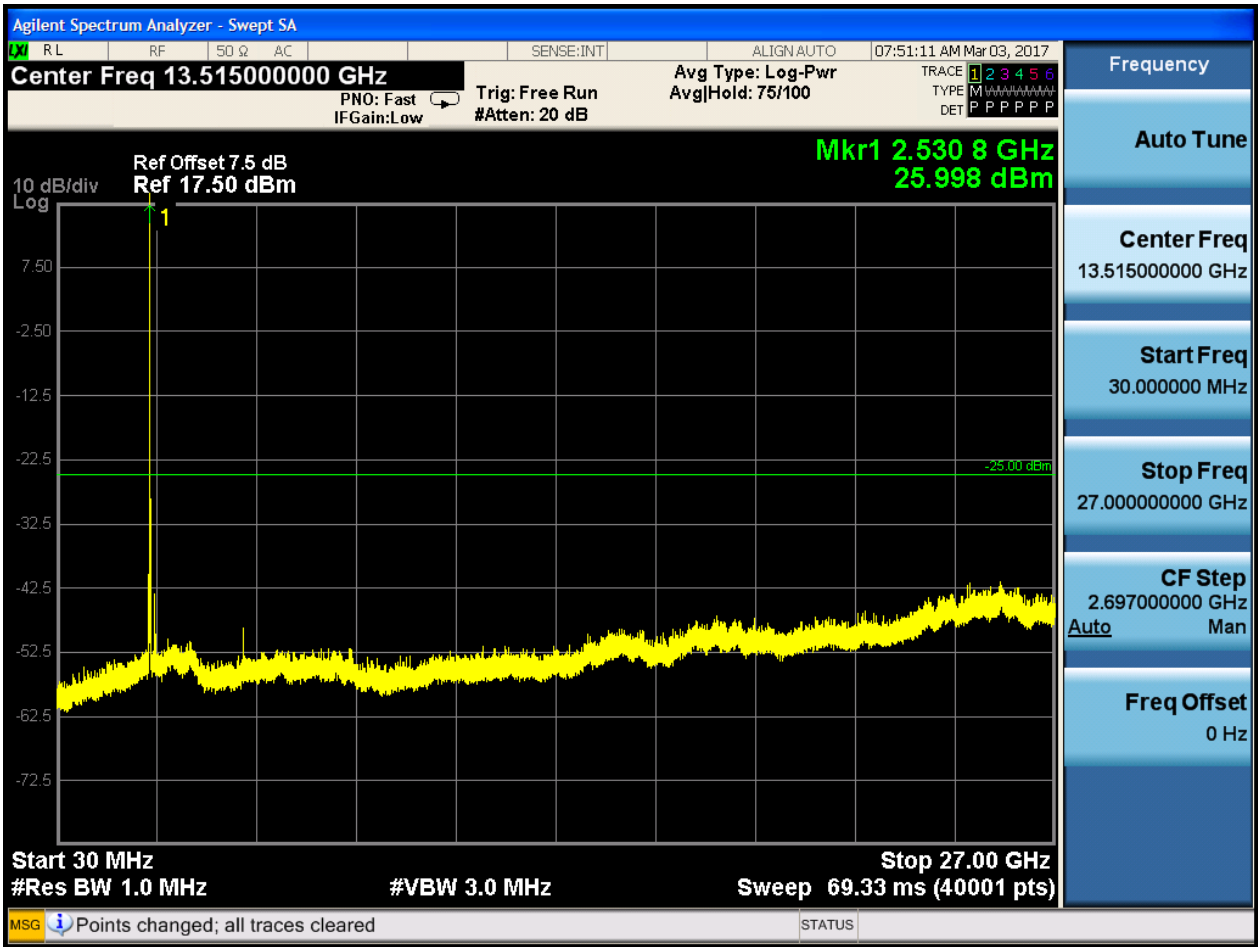
6.1.1.1..2.2 Test Channel = MCH

6.1.1.1..2.2.1 Test RB = RB1#0





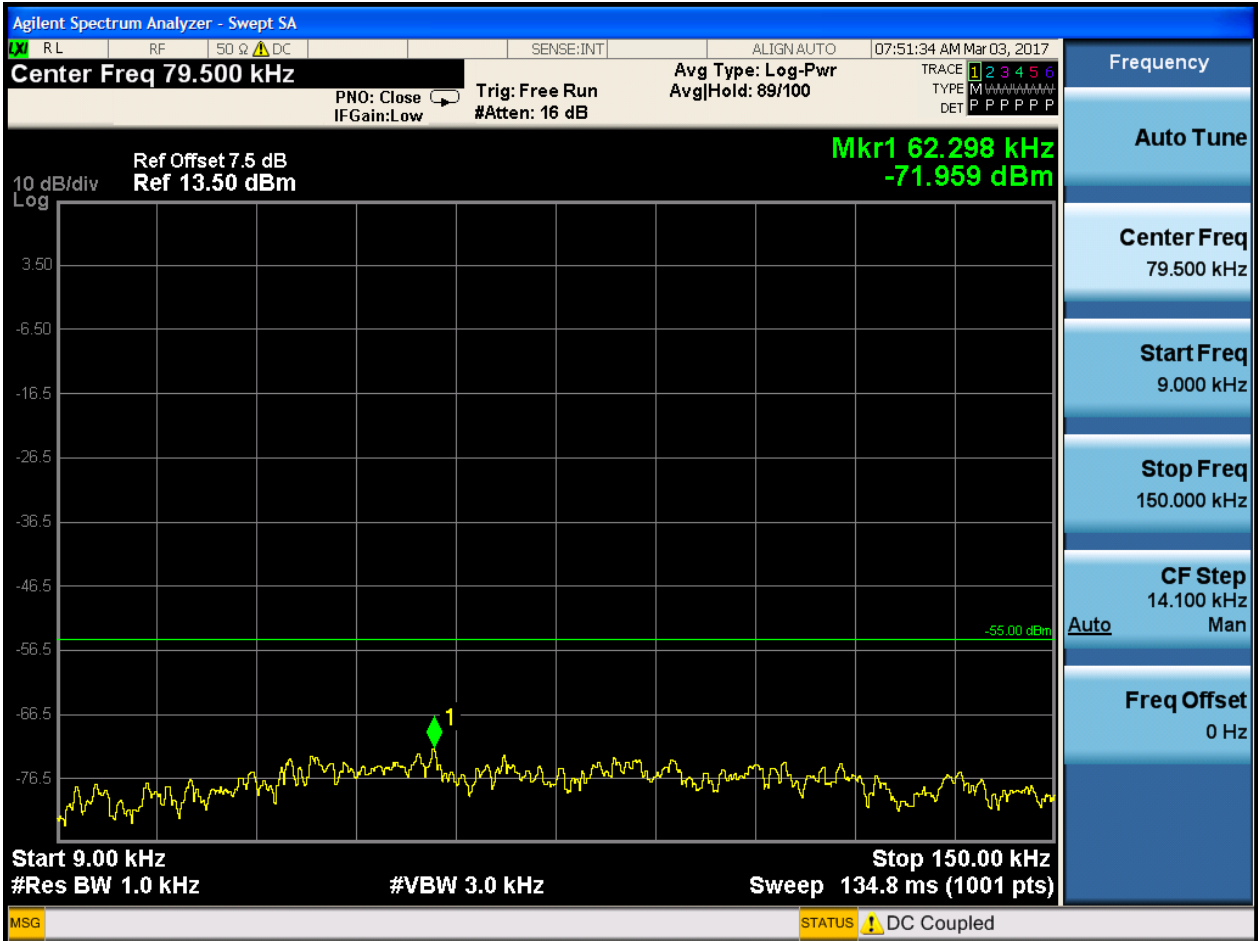


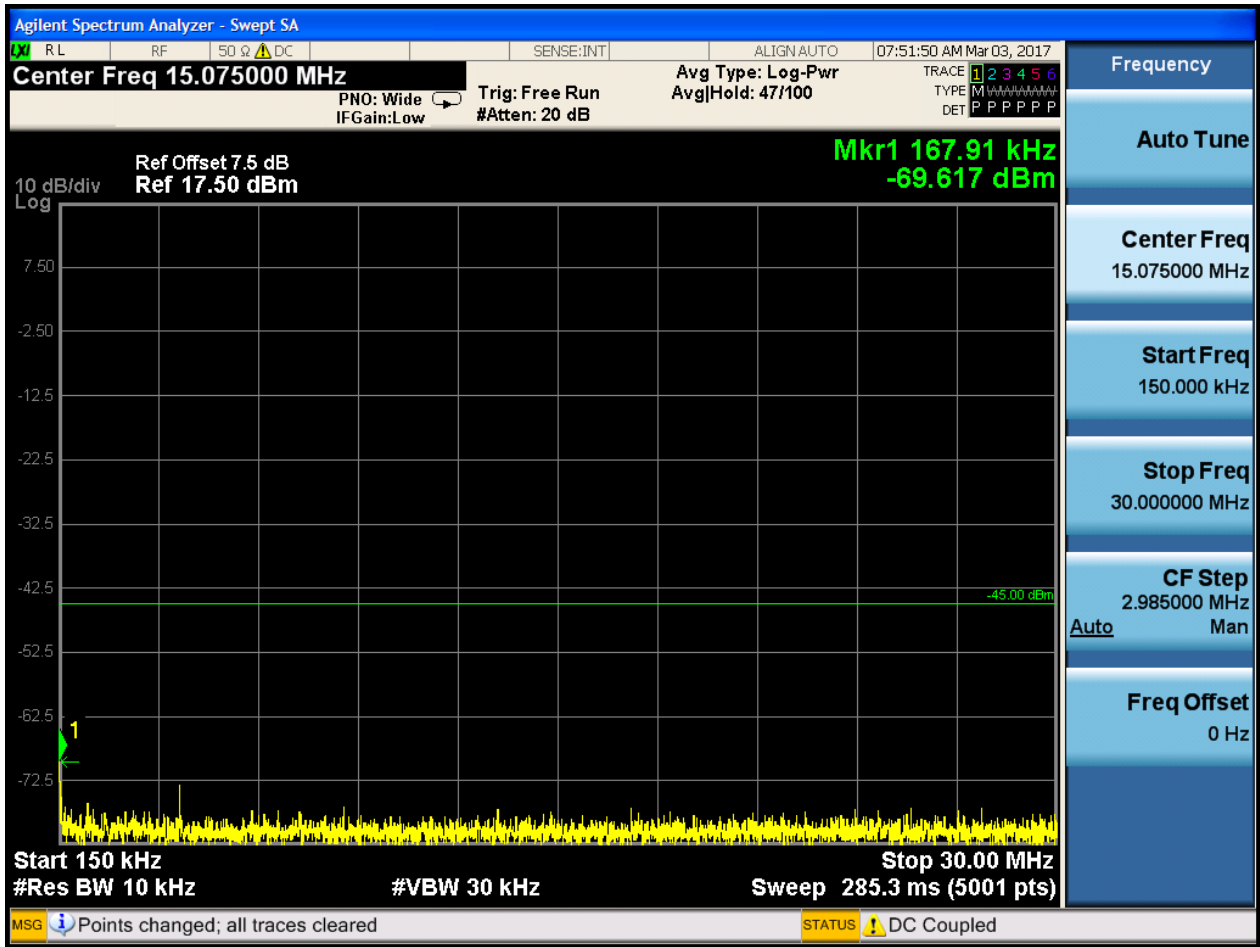


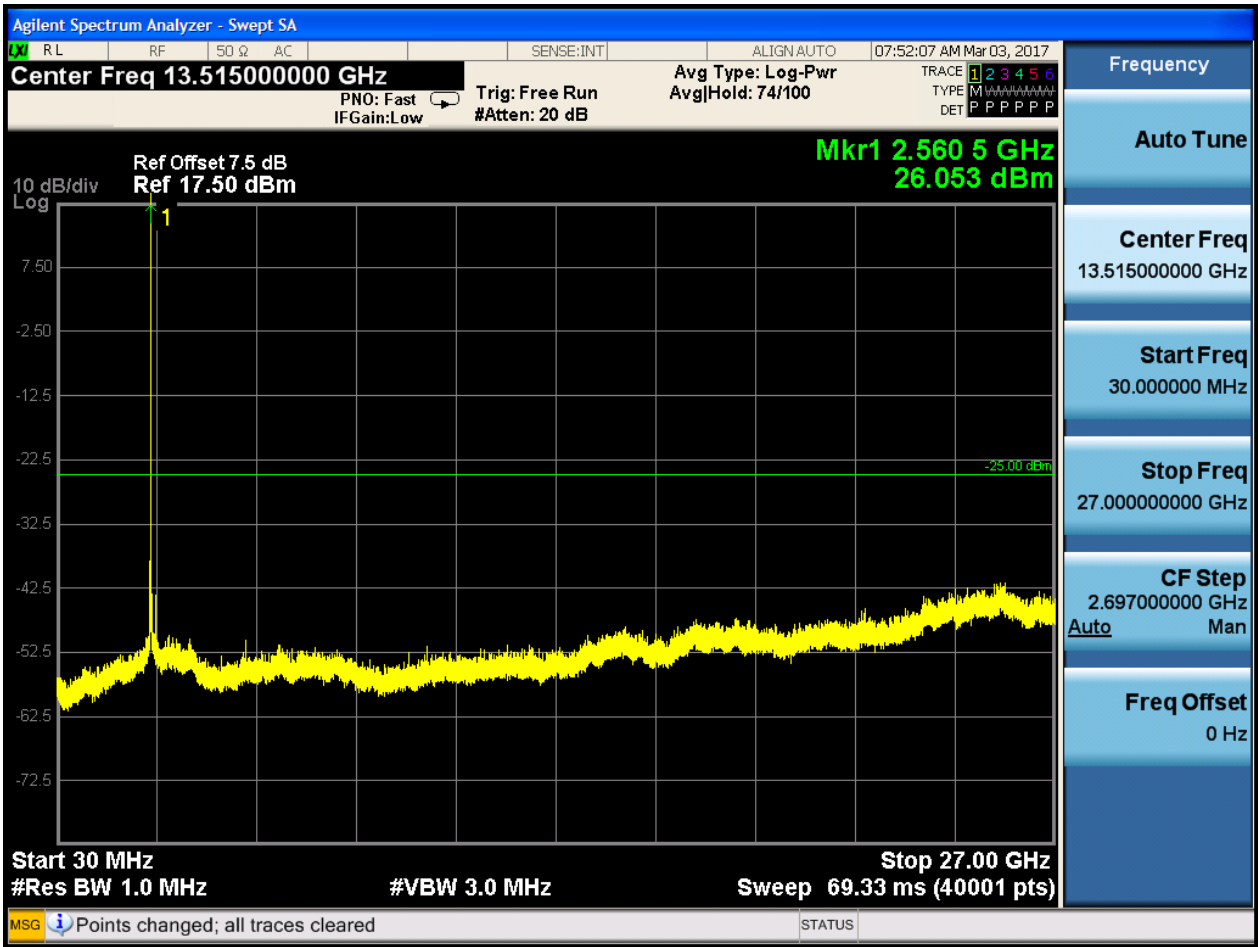


6.1.1.1..2.3 Test Channel = HCH

6.1.1.1..2.3.1 Test RB = RB1#0





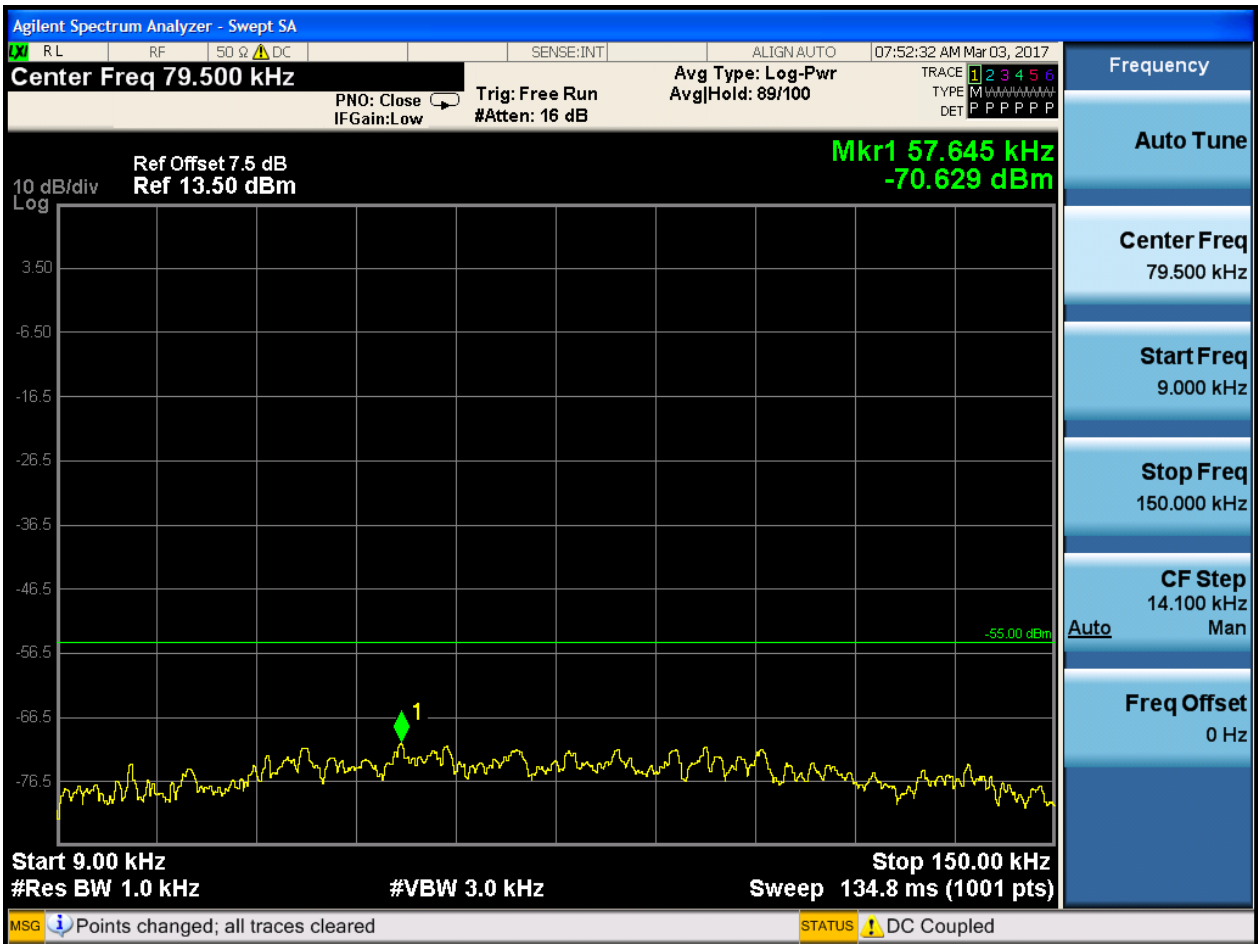


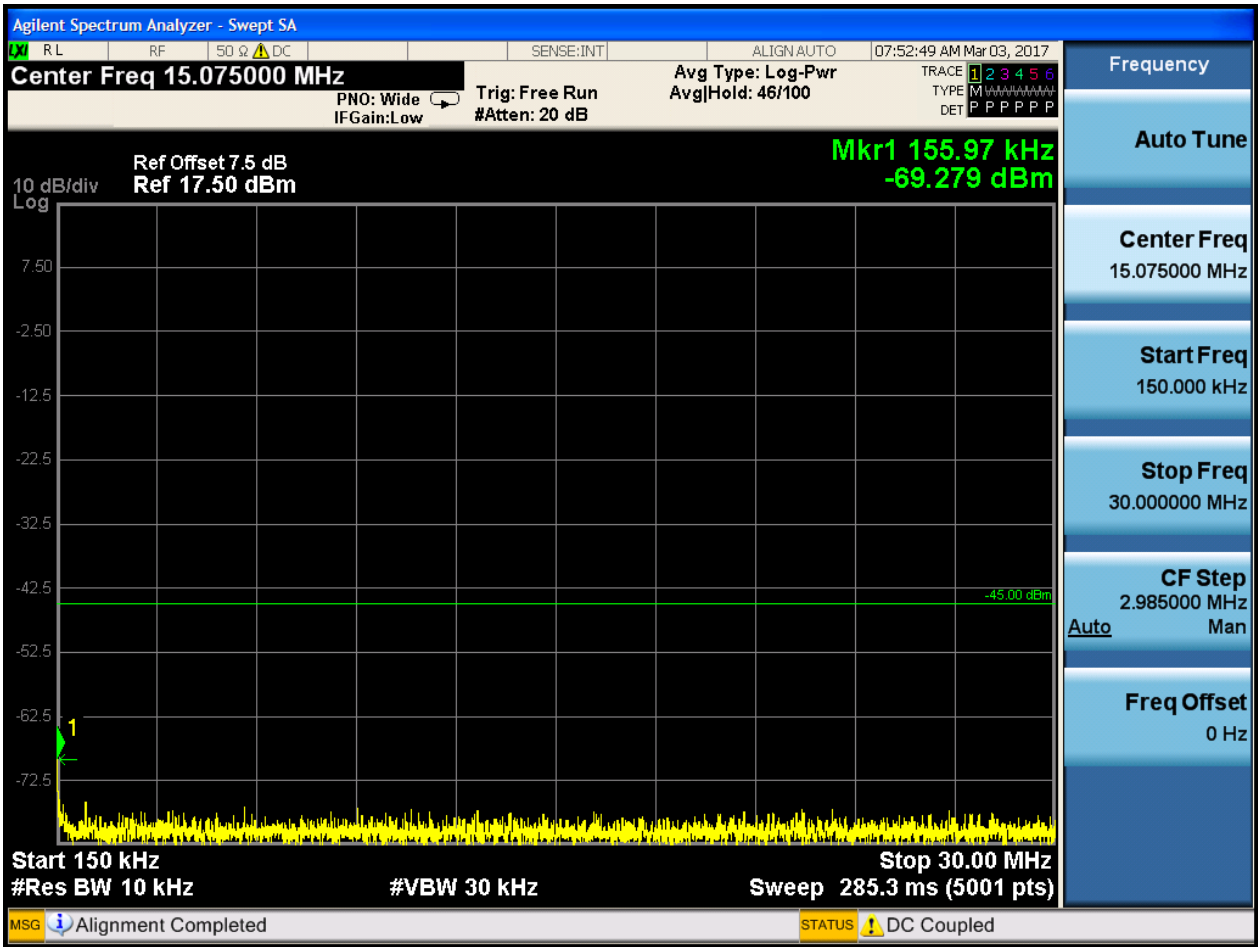


6.1.1.1..3 Test Bandwidth = 15

6.1.1.1..3.1 Test Channel = LCH

6.1.1.1..3.1.1 Test RB = RB1#0



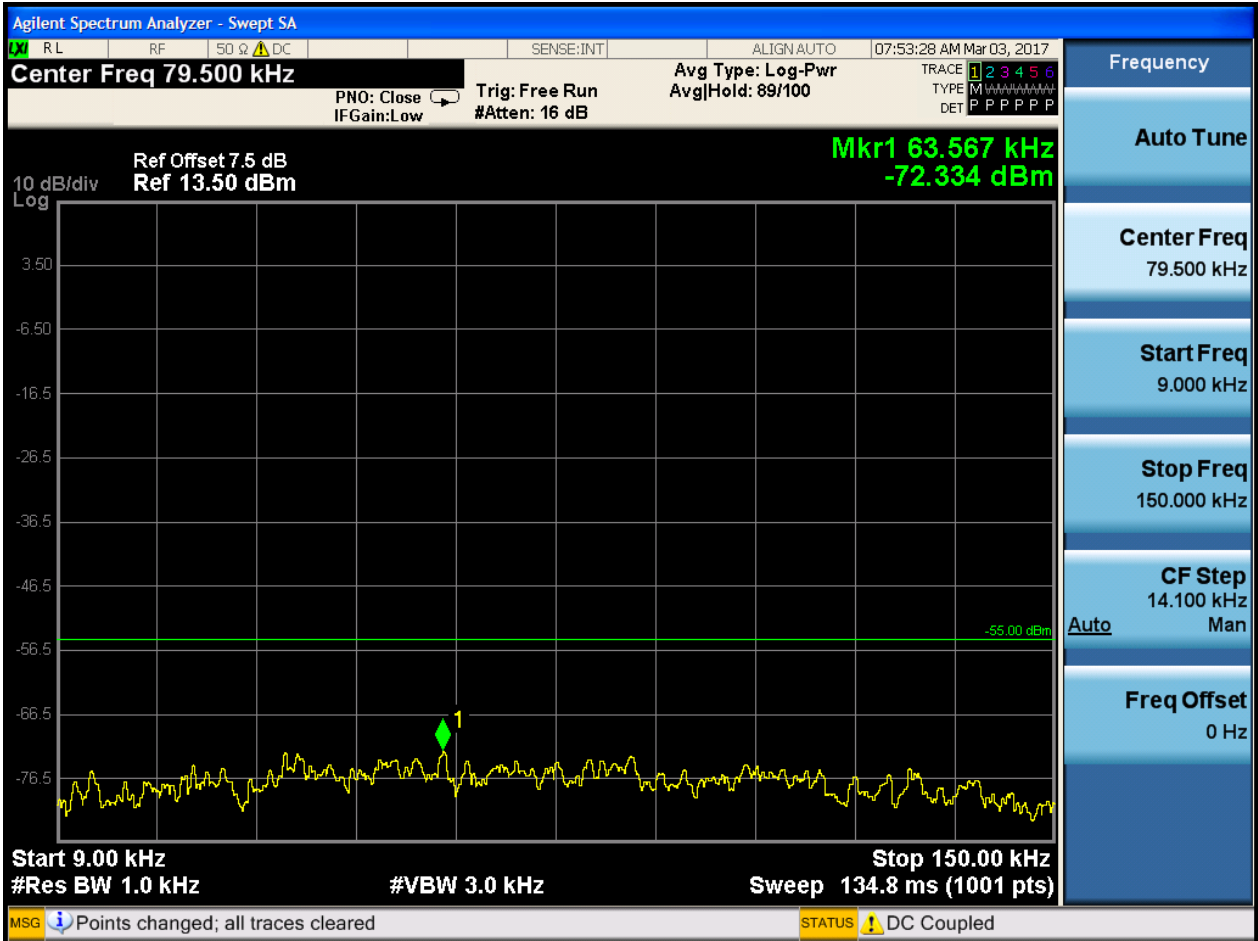




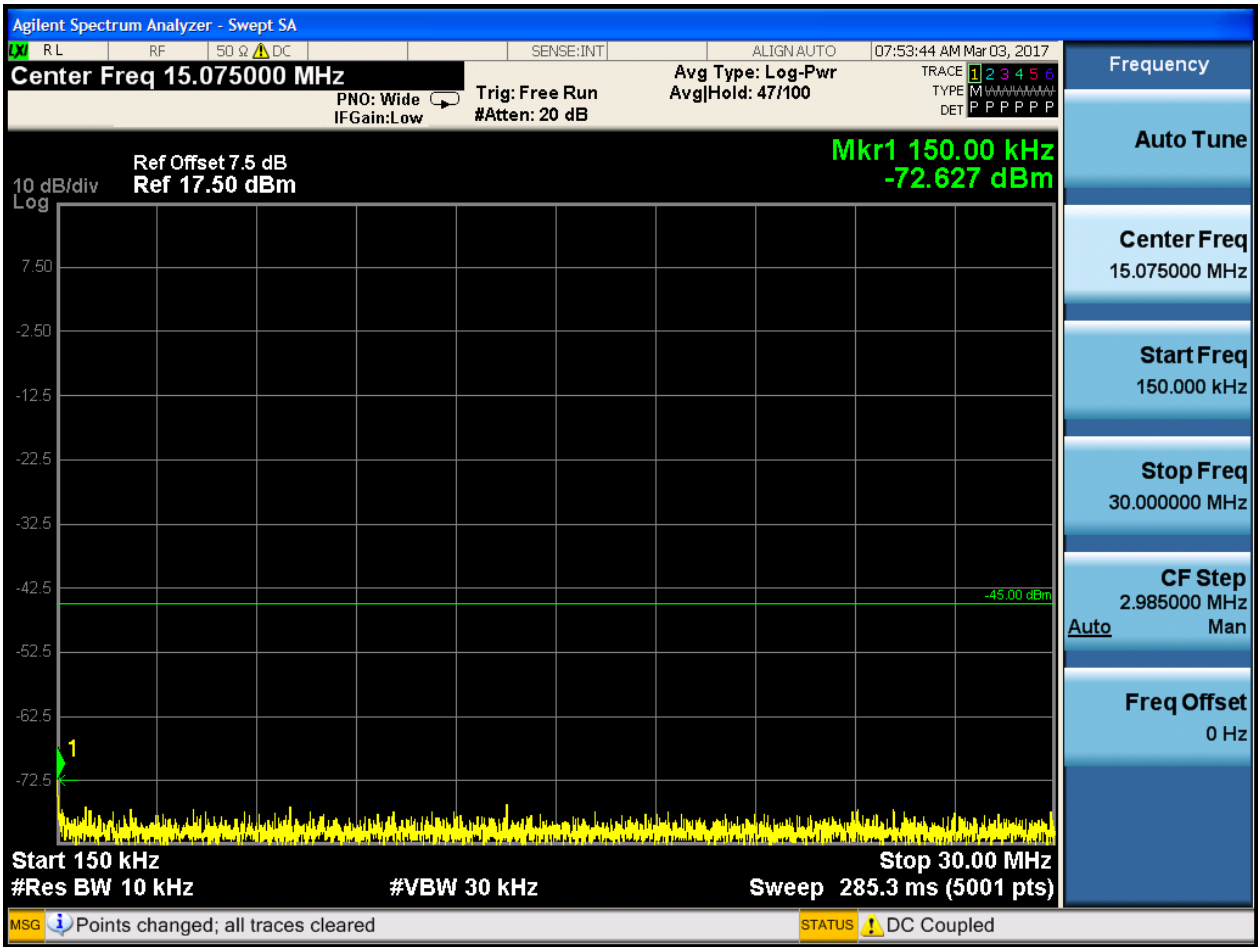


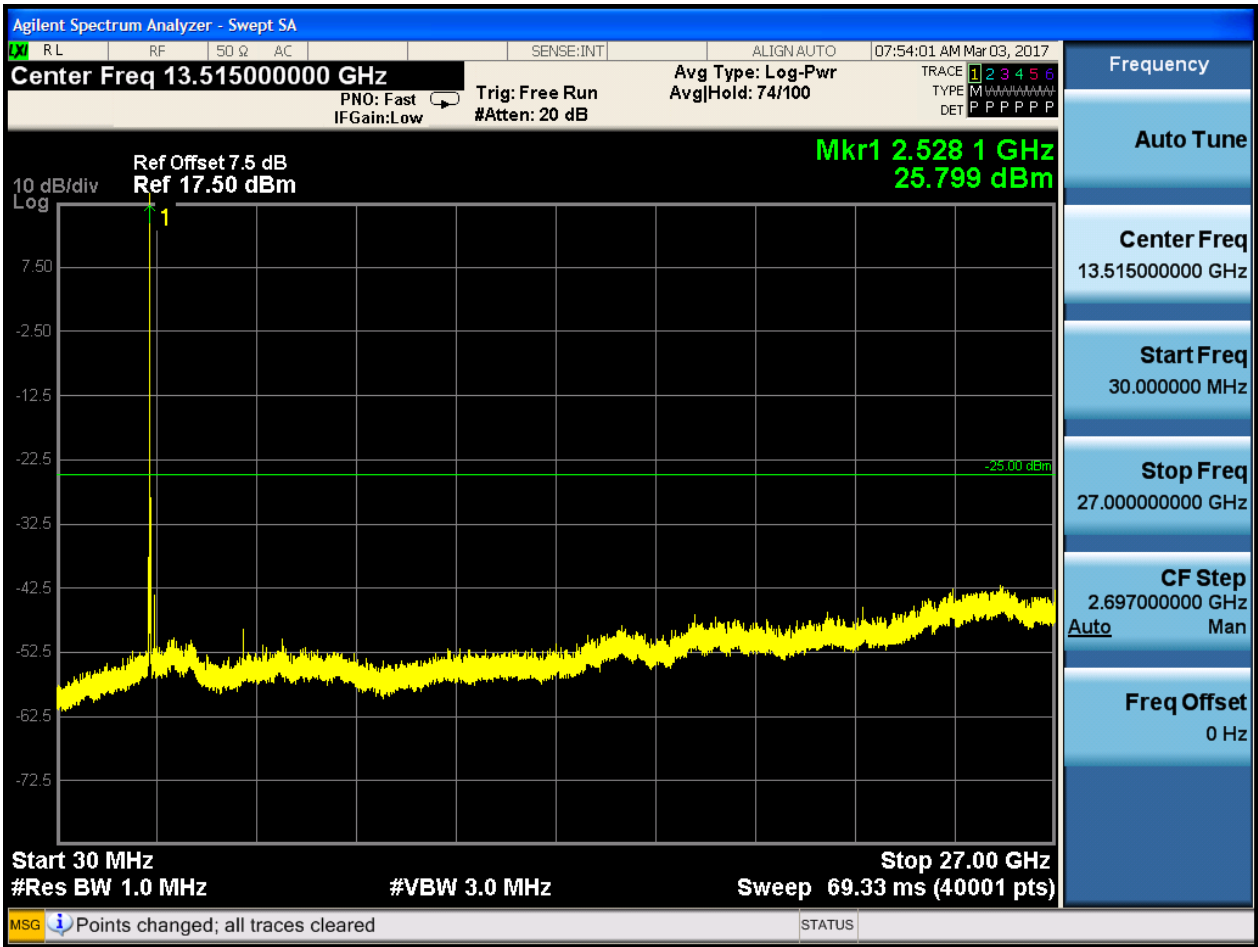
6.1.1.1..3.2 Test Channel = MCH

6.1.1.1..3.2.1 Test RB = RB1#0





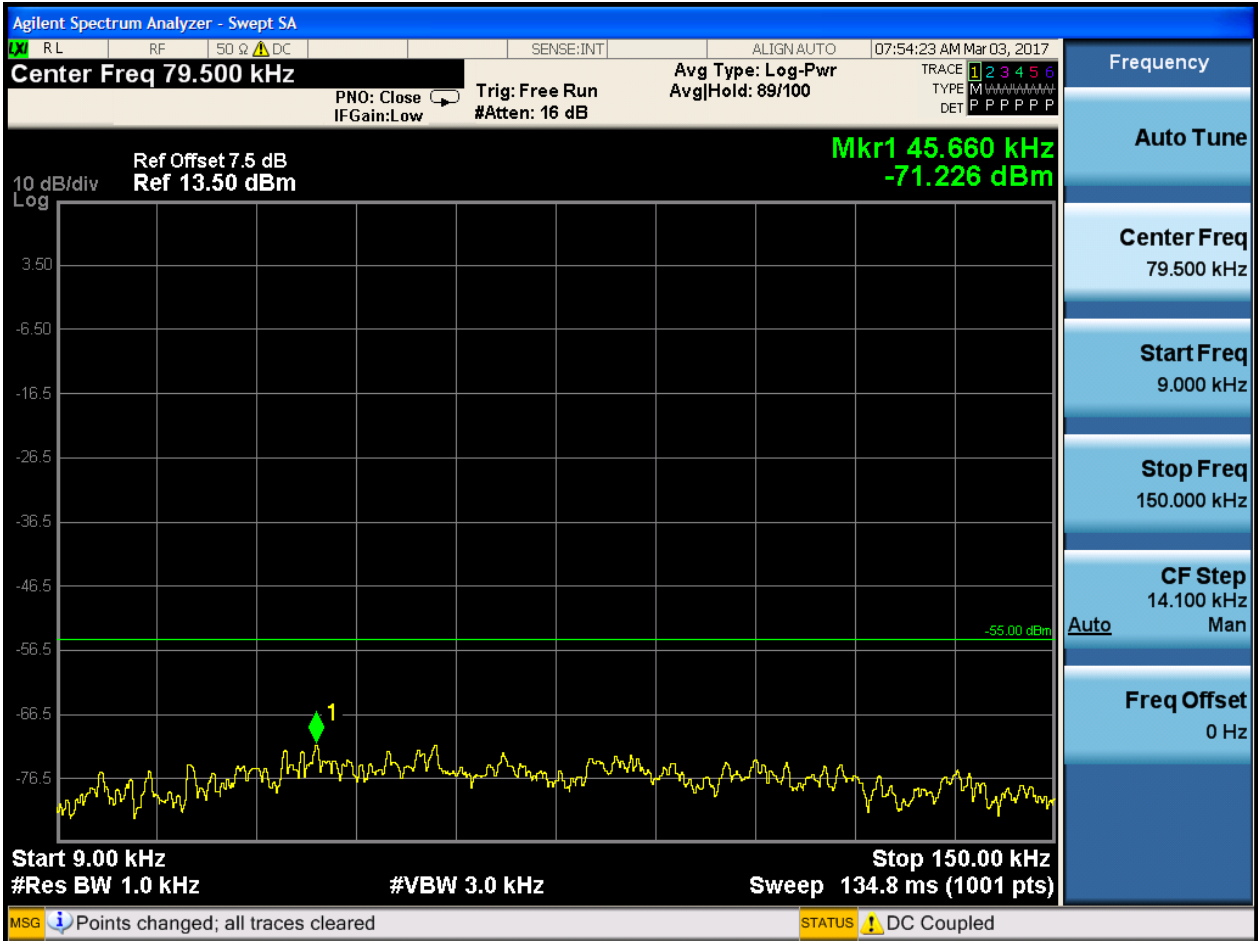


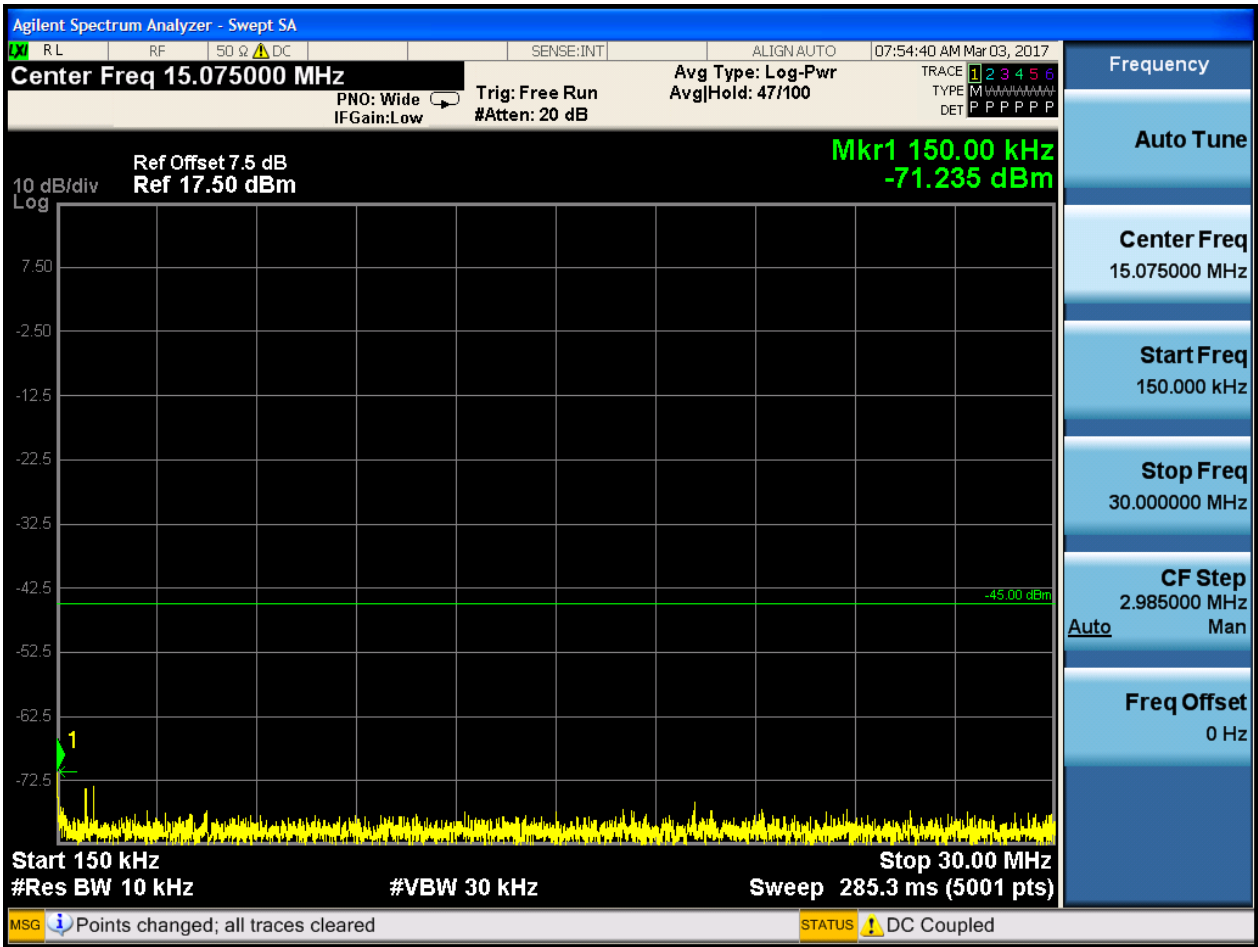


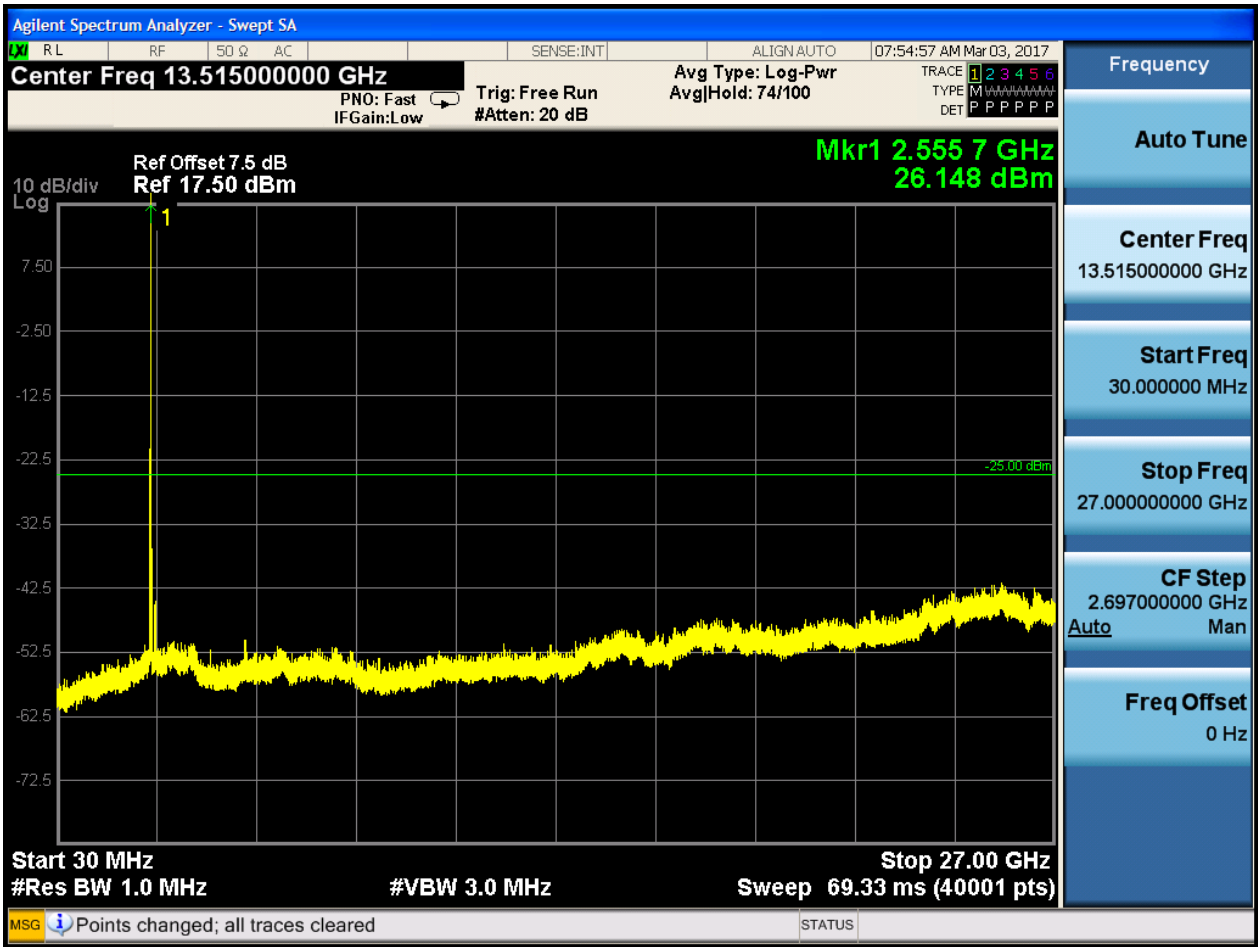


6.1.1.1..3.3 Test Channel = HCH

6.1.1.1..3.3.1 Test RB = RB1#0





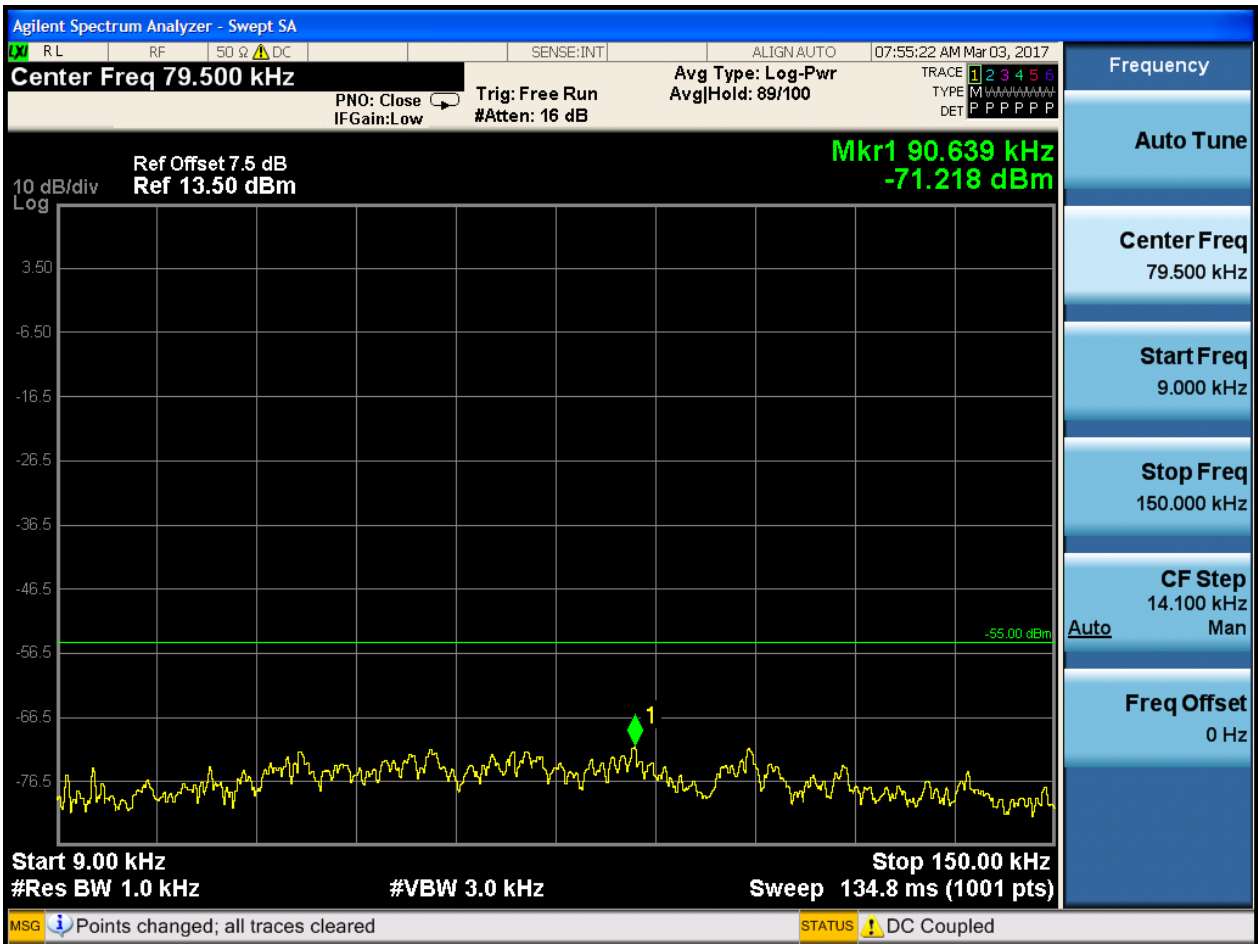


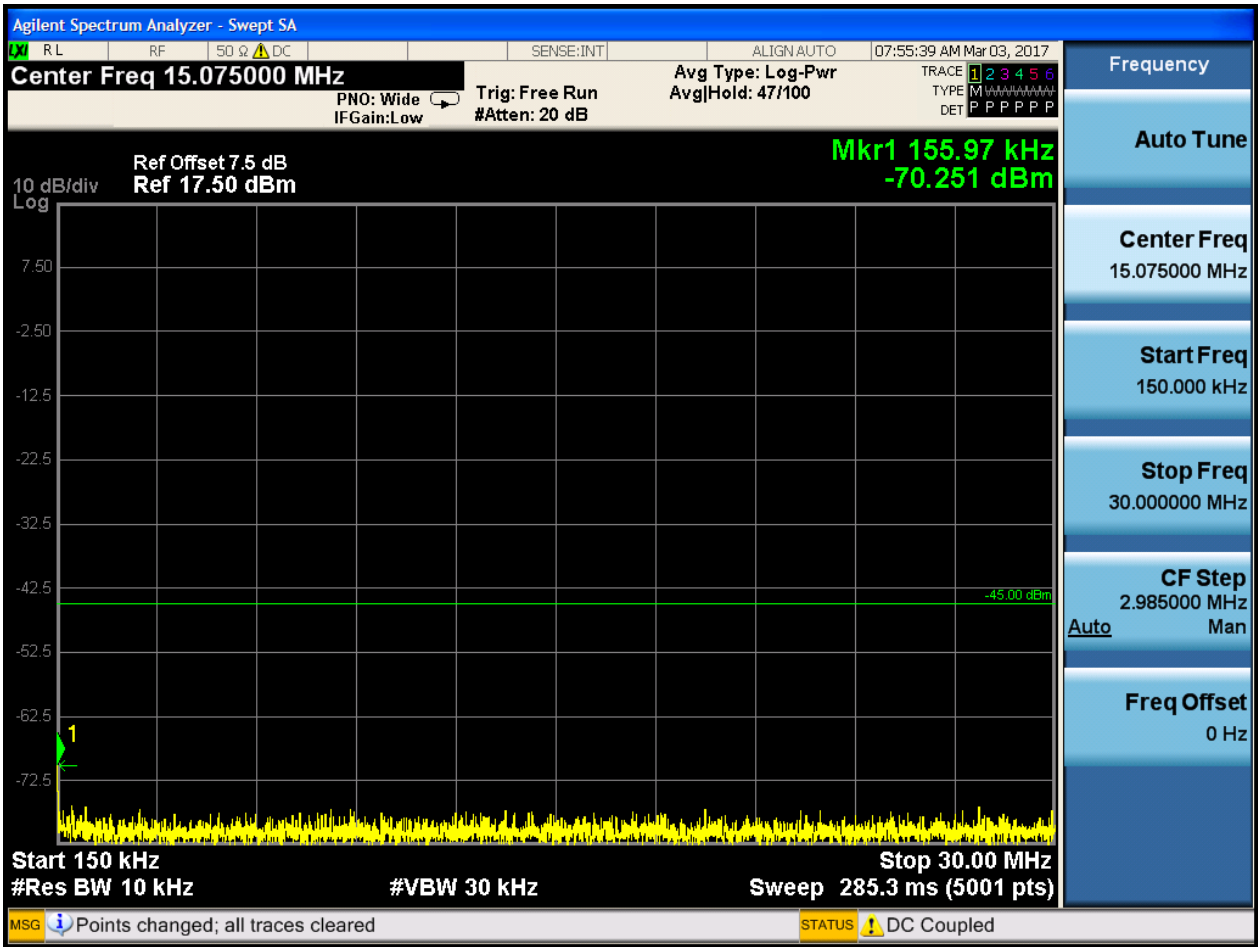


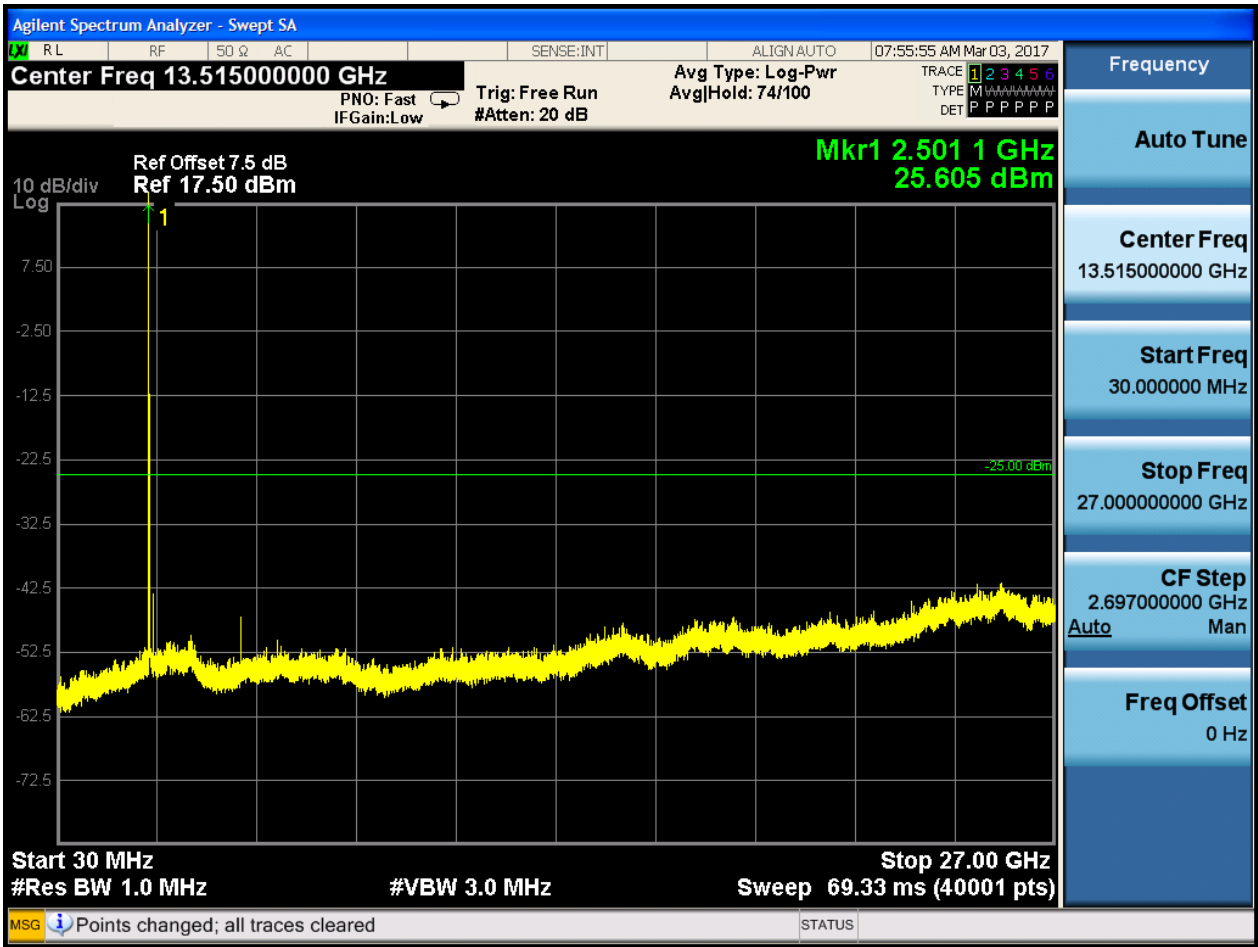
6.1.1.1..4 Test Bandwidth = 20

6.1.1.1..4.1 Test Channel = LCH

6.1.1.1..4.1.1 Test RB = RB1#0





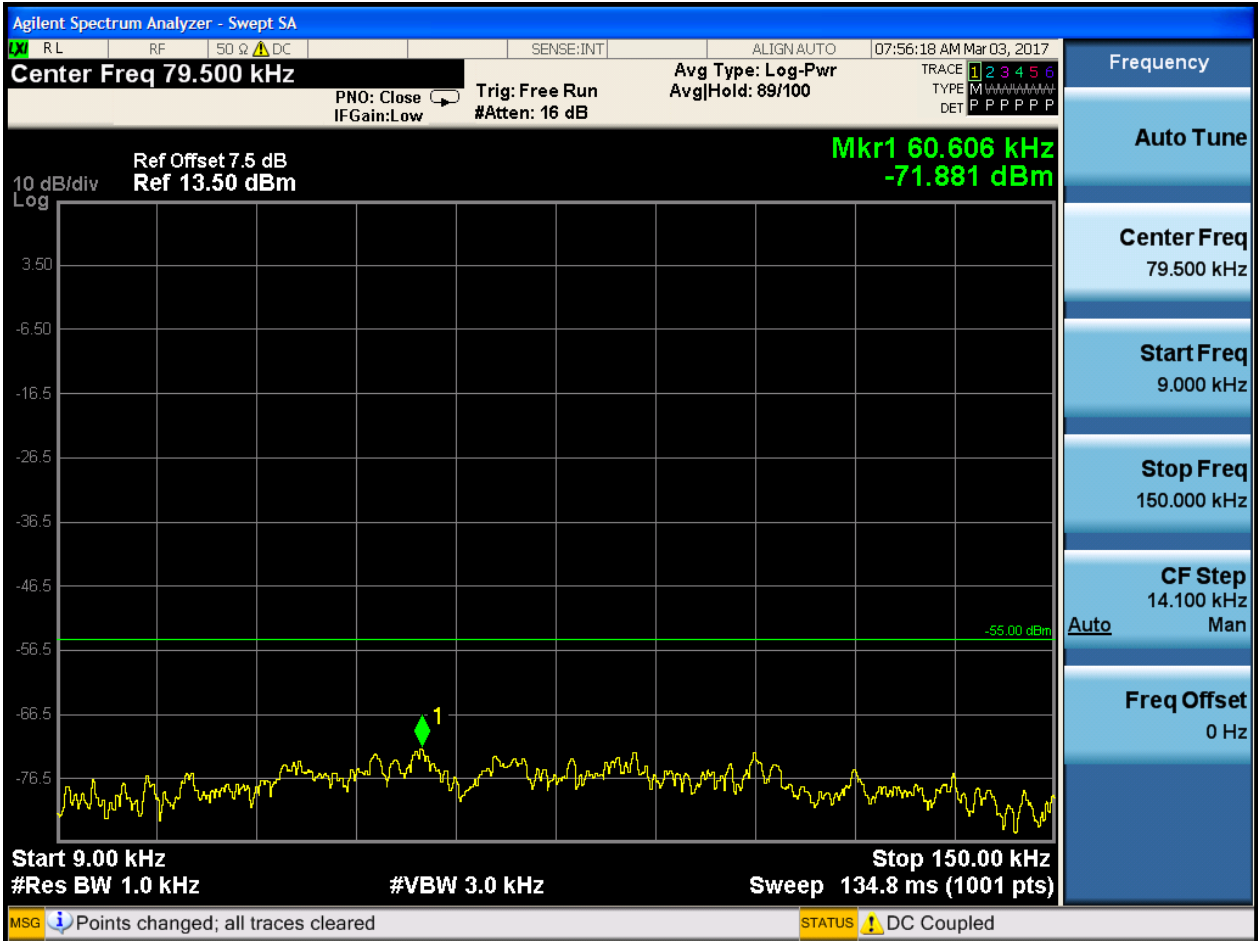


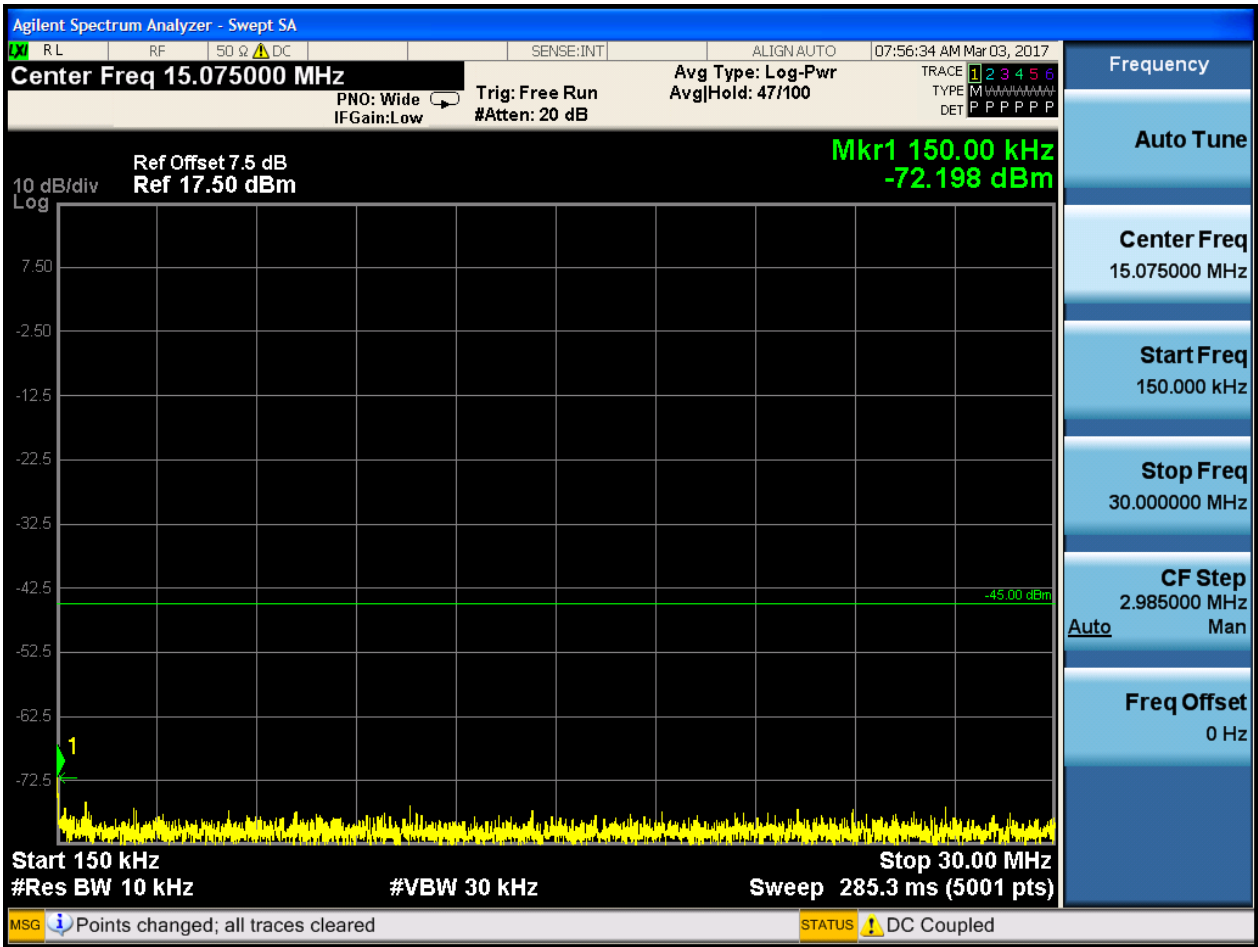


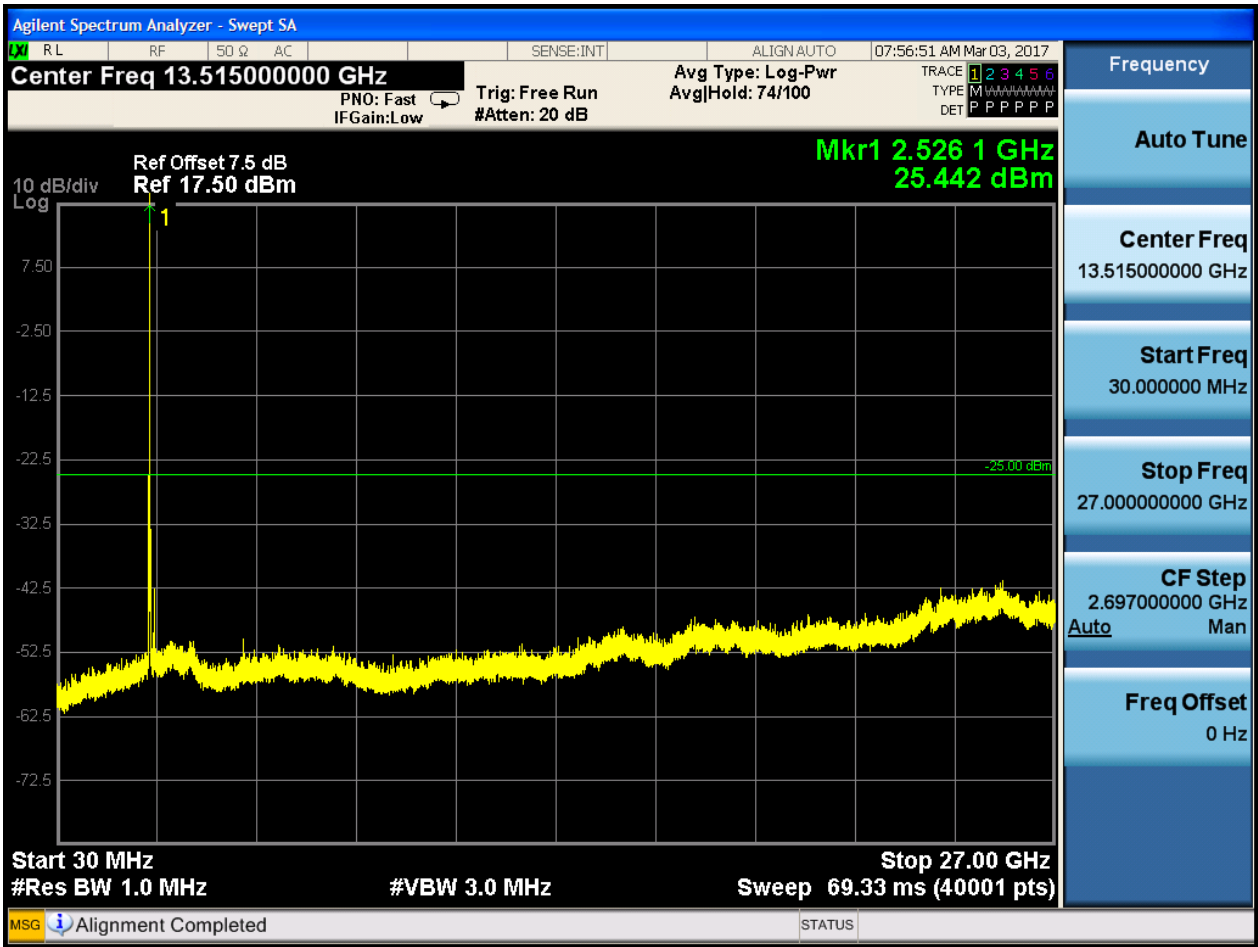


6.1.1.1..4.2 Test Channel = MCH

6.1.1.1..4.2.1 Test RB = RB1#0



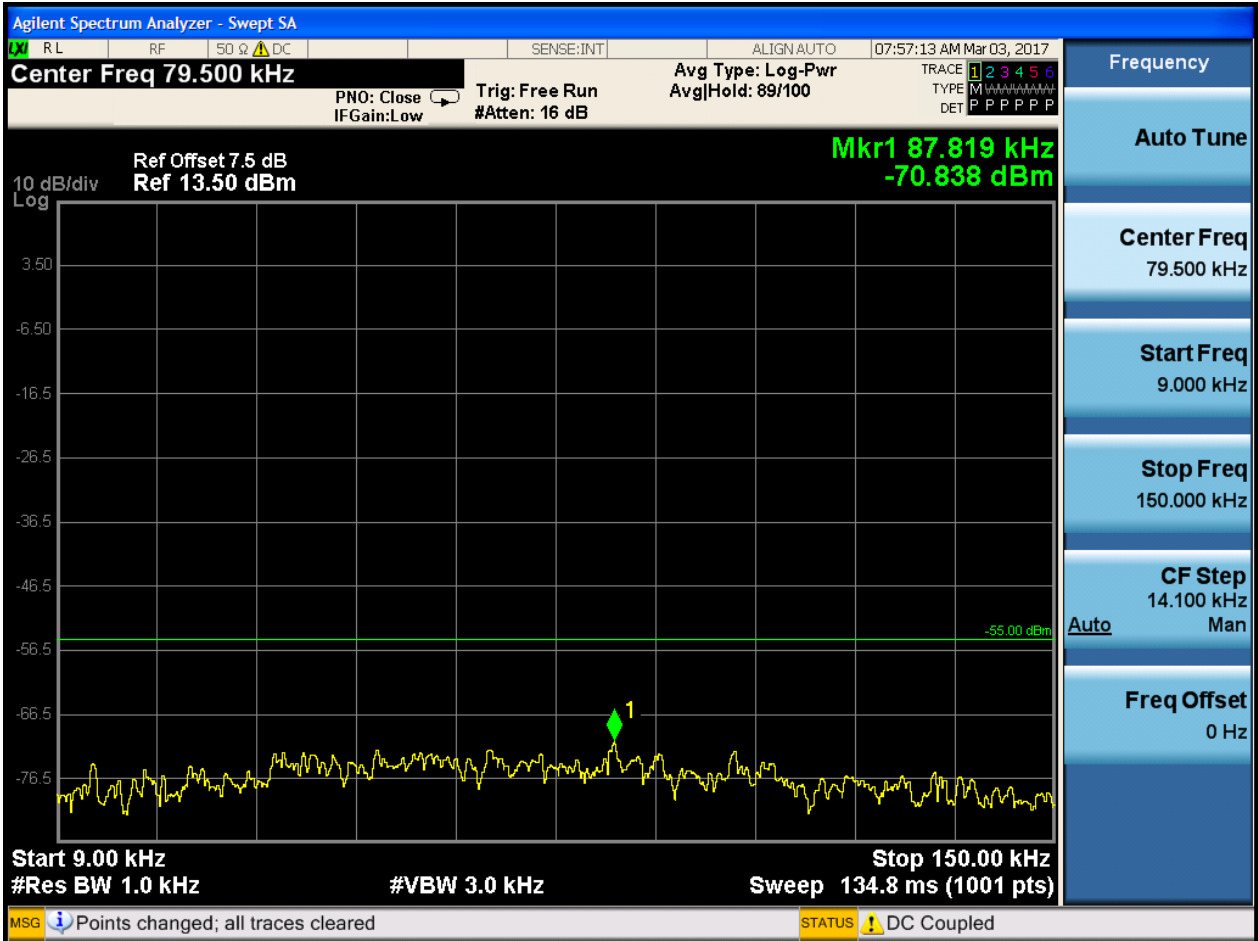


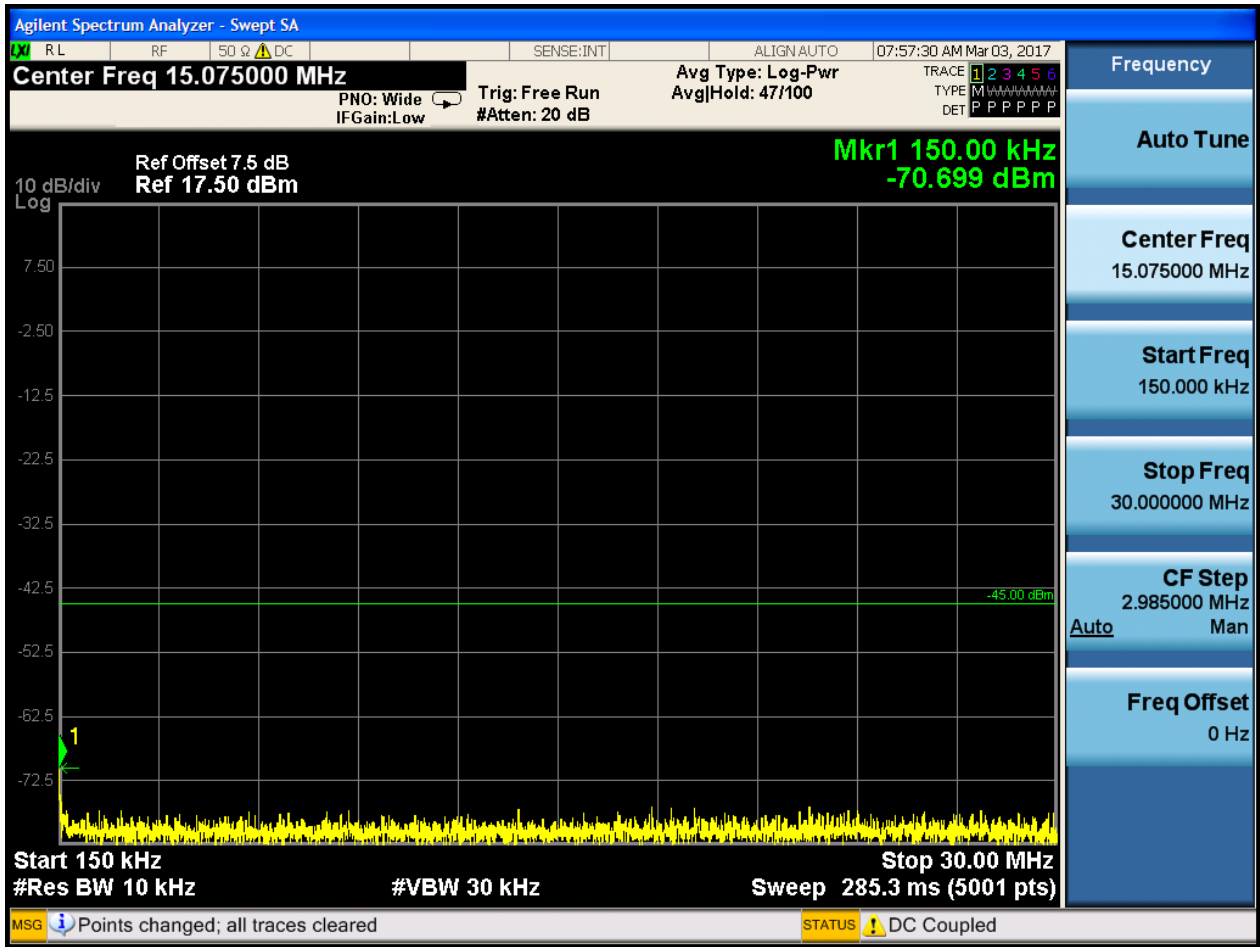


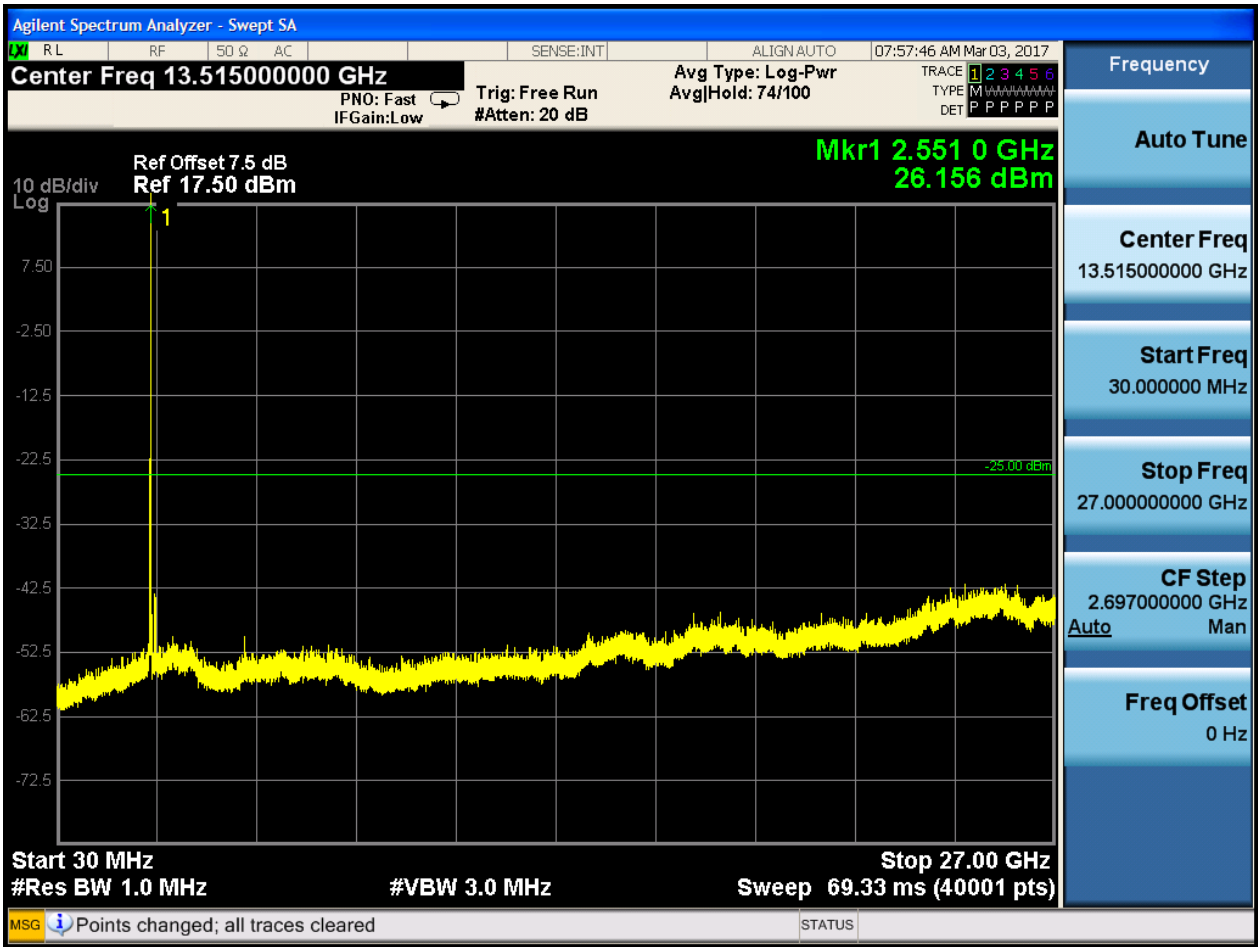


6.1.1.1..4.3 Test Channel = HCH

6.1.1.1..4.3.1 Test RB = RB1#0







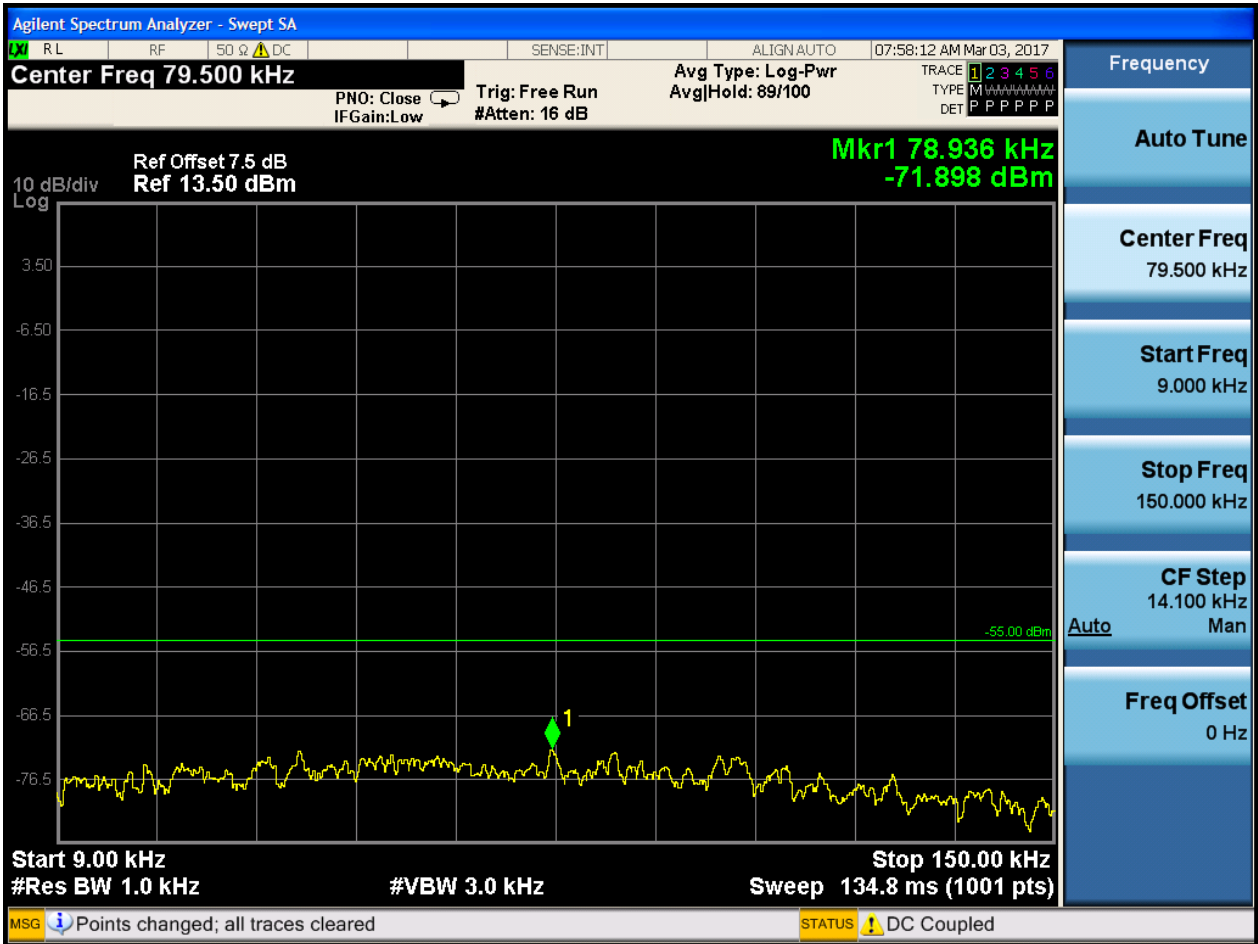


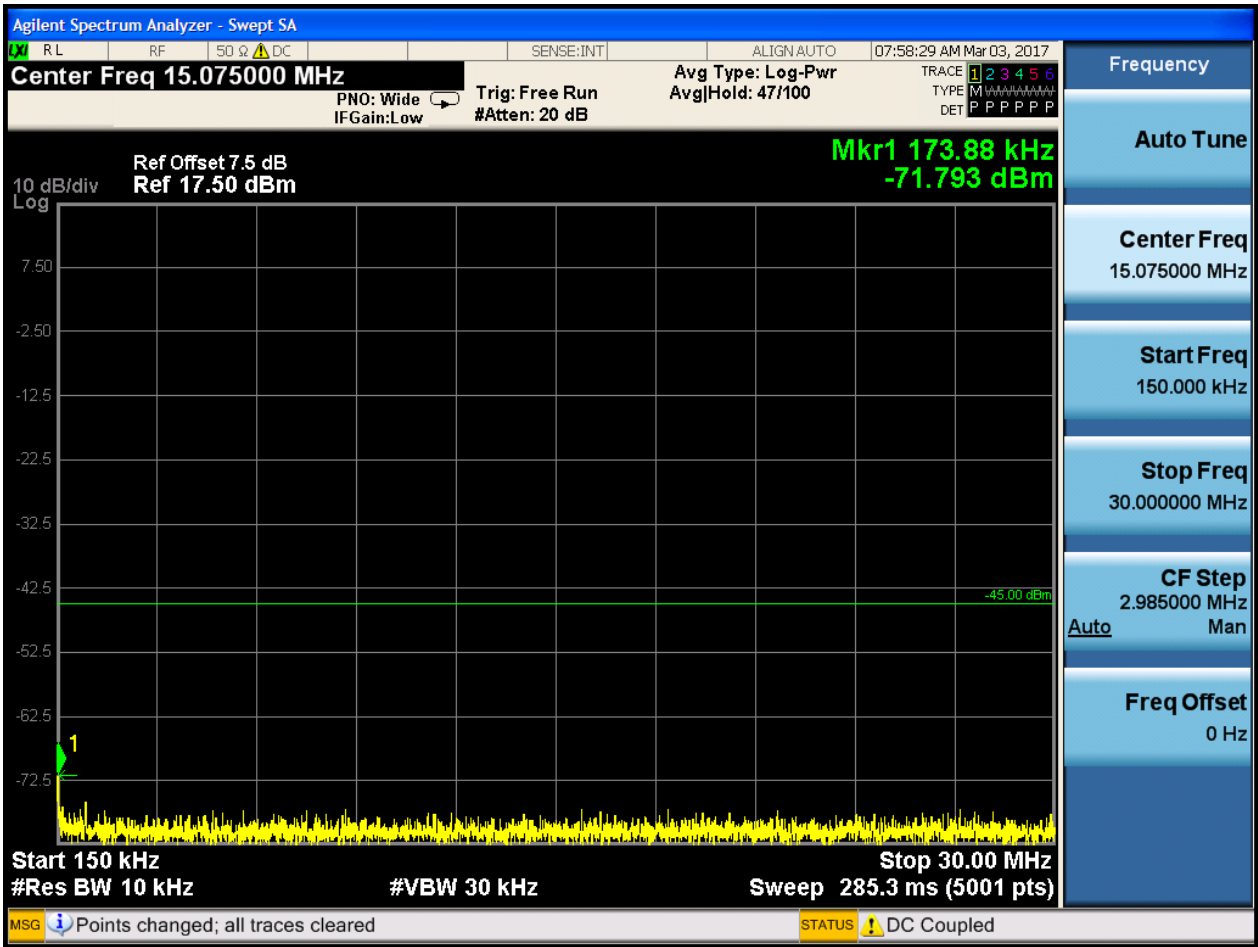
6.1.2.2 Test Mode = LTE/TM2

6.1.2.2.1 Test Bandwidth = 5

6.1.2.2.1.1 Test Channel = LCH

6.1.2.2.1.1.1 Test RB = RB1#0





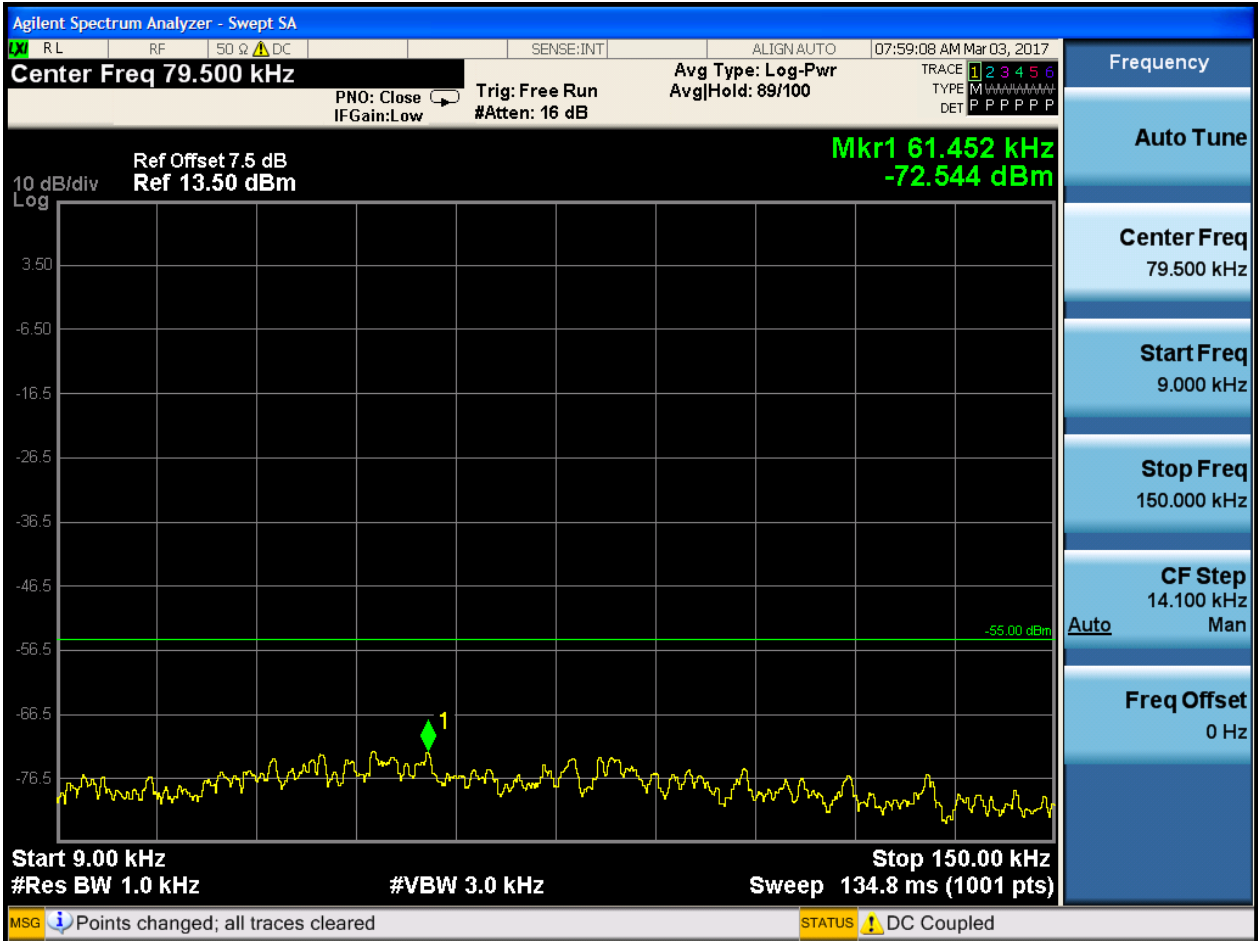




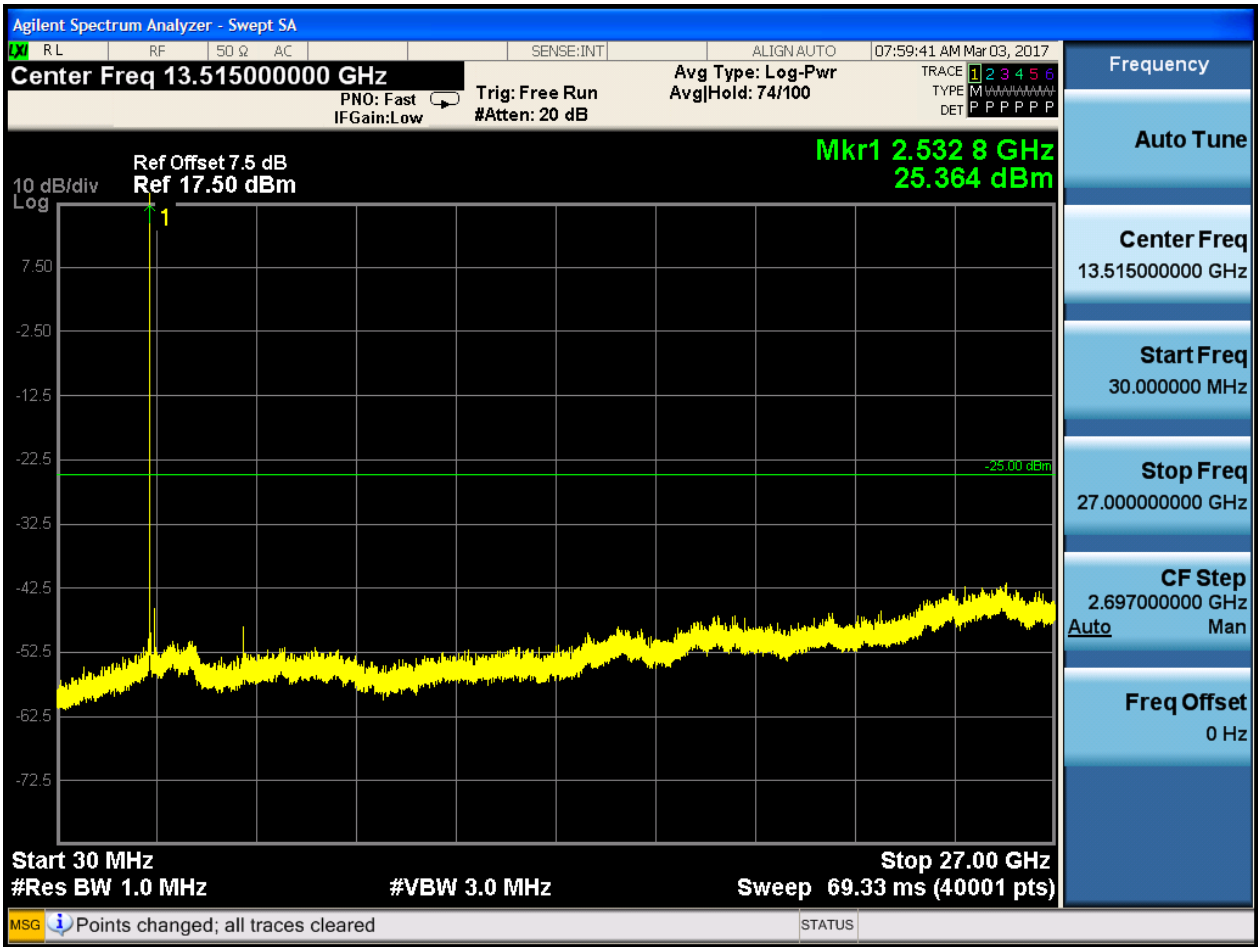


6.1.2.2.1.2 Test Channel = MCH

6.1.2.2.1.2.1 Test RB = RB1#0



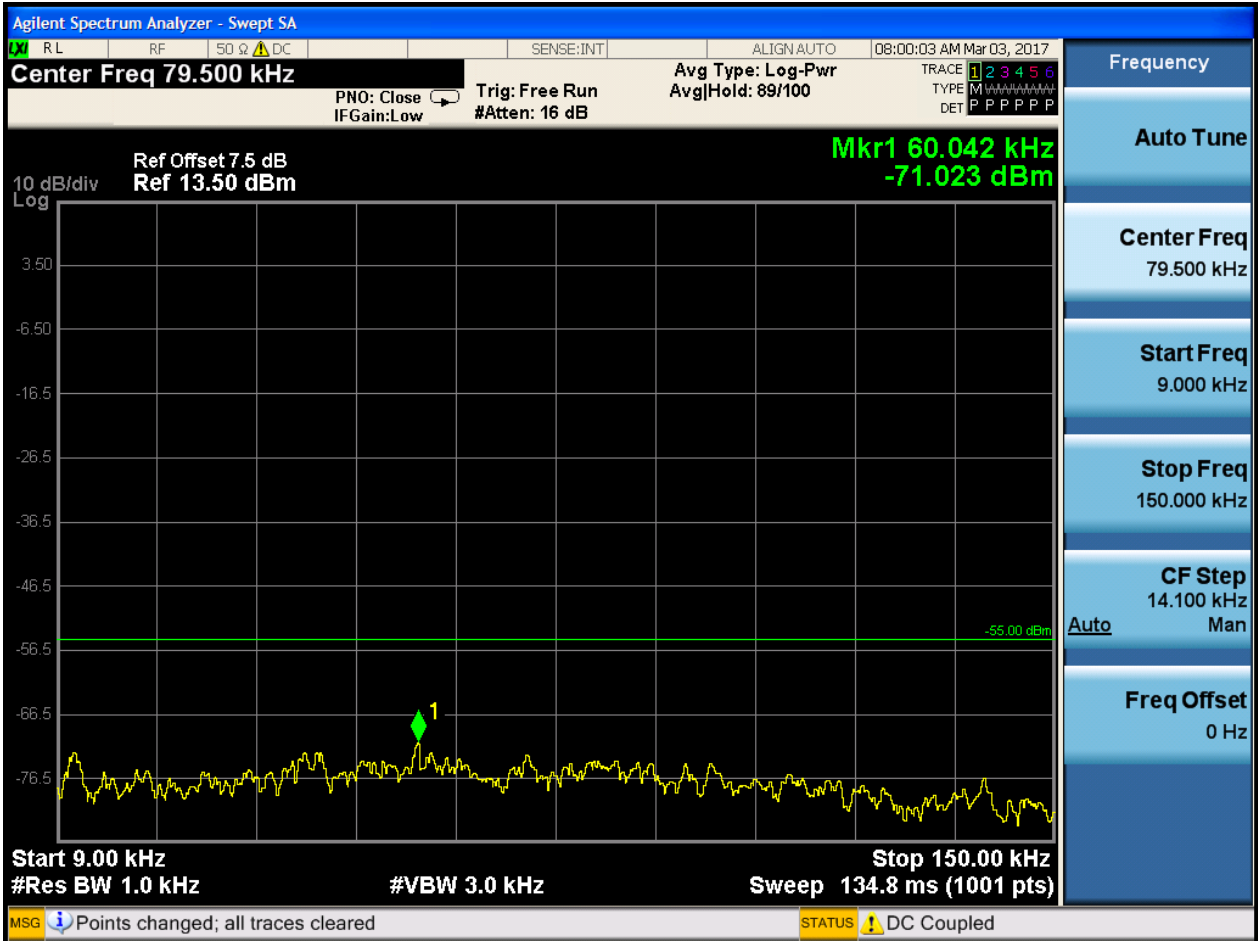


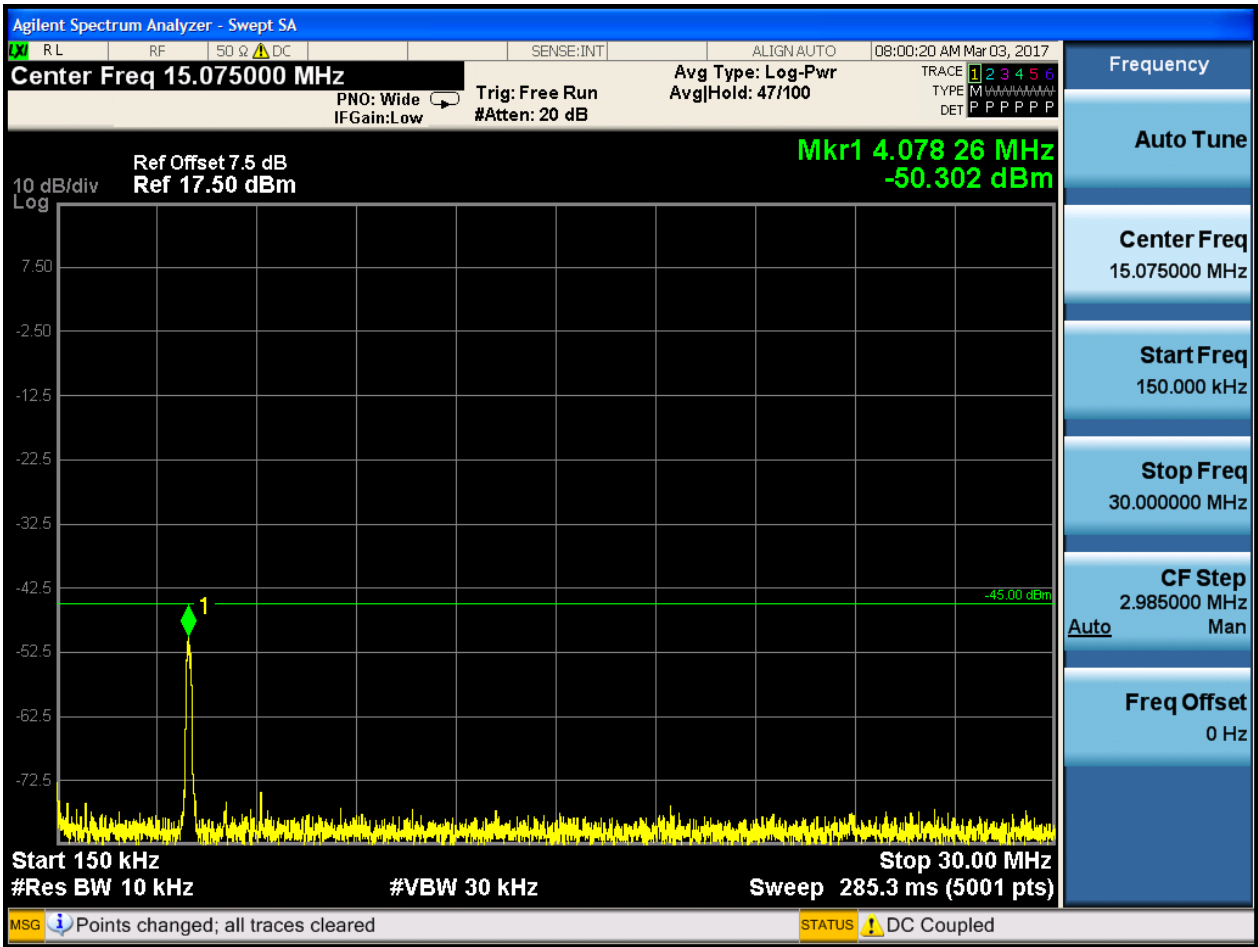


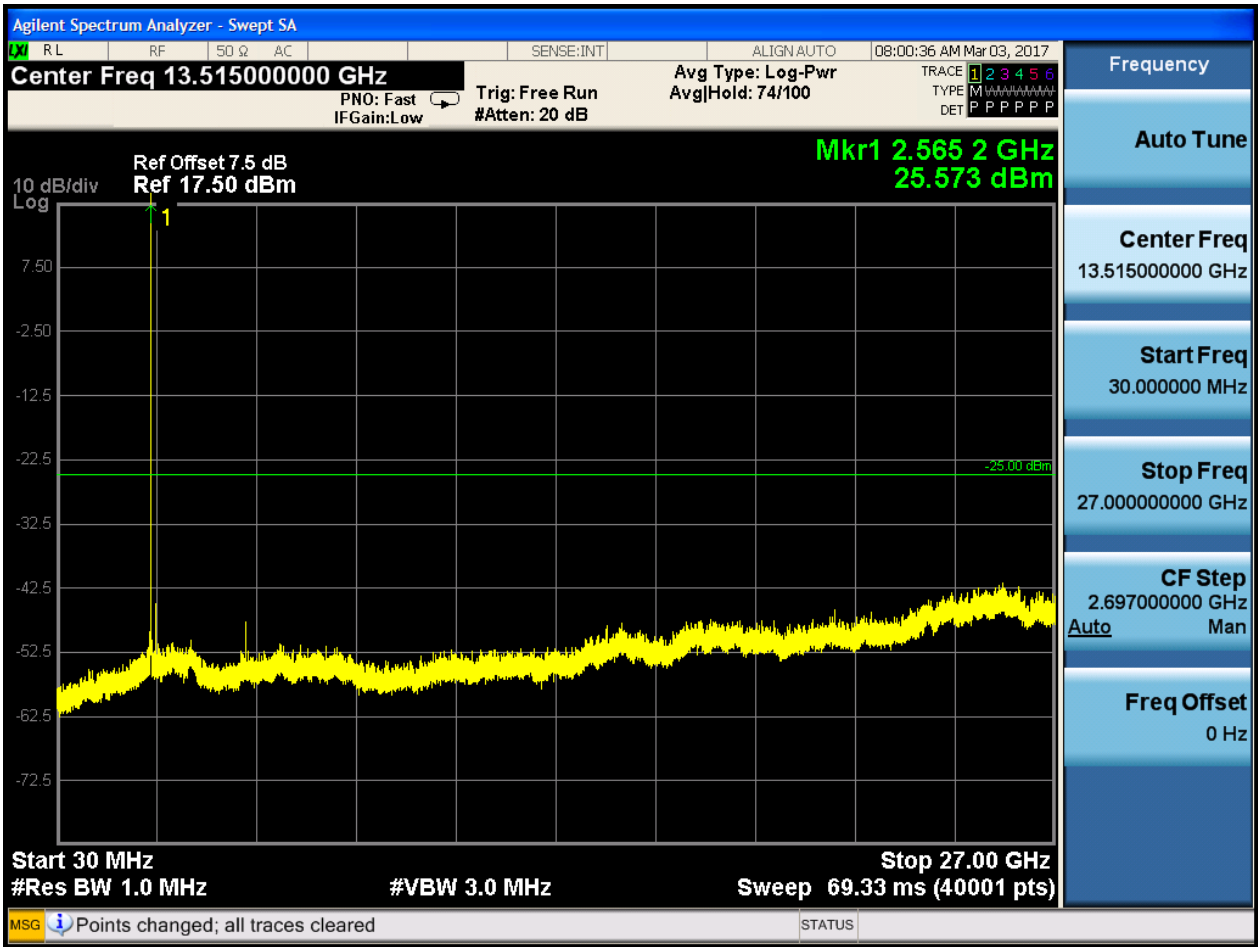


6.1.2.2.1.3 Test Channel = HCH

6.1.2.2.1.3.1 Test RB = RB1#0





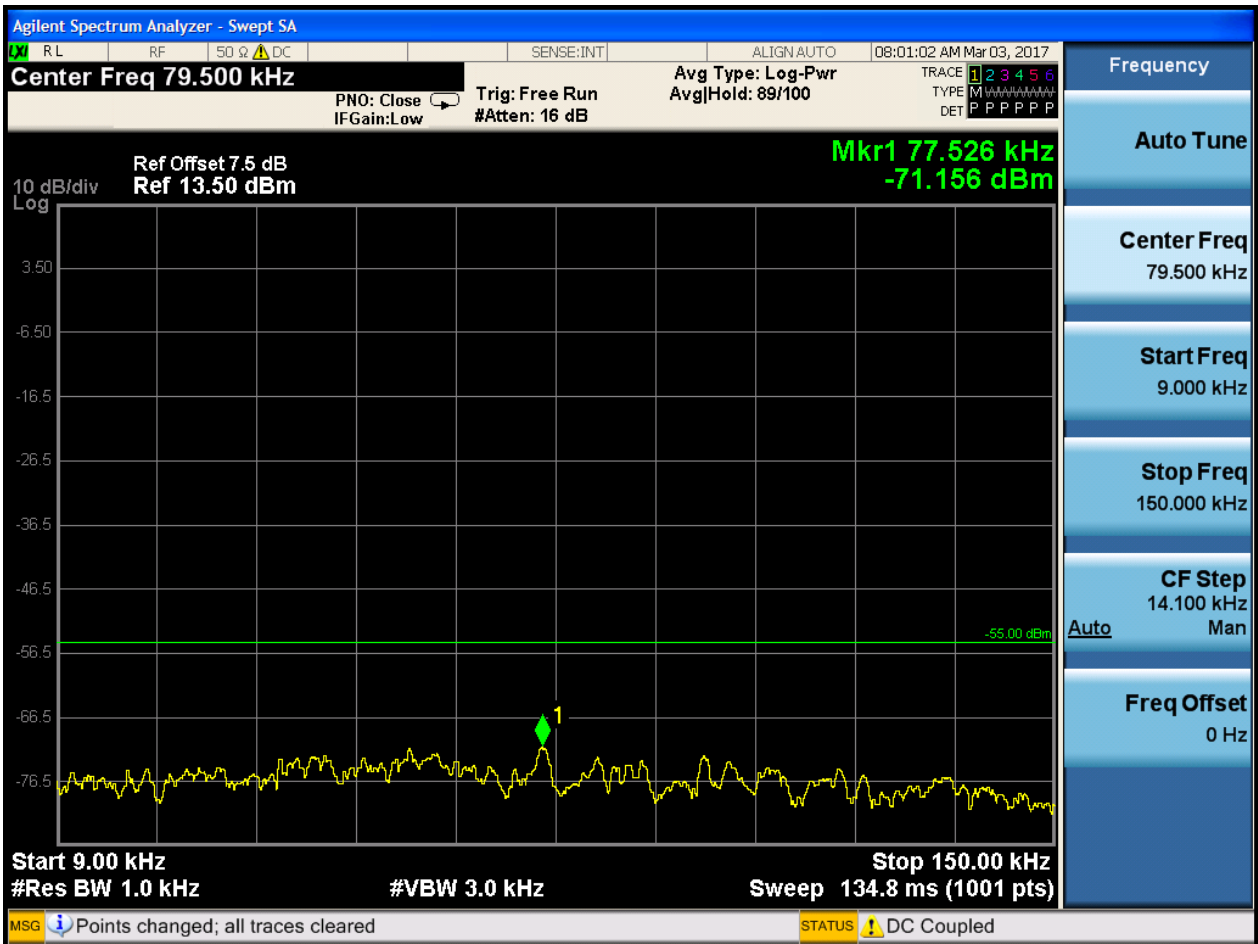




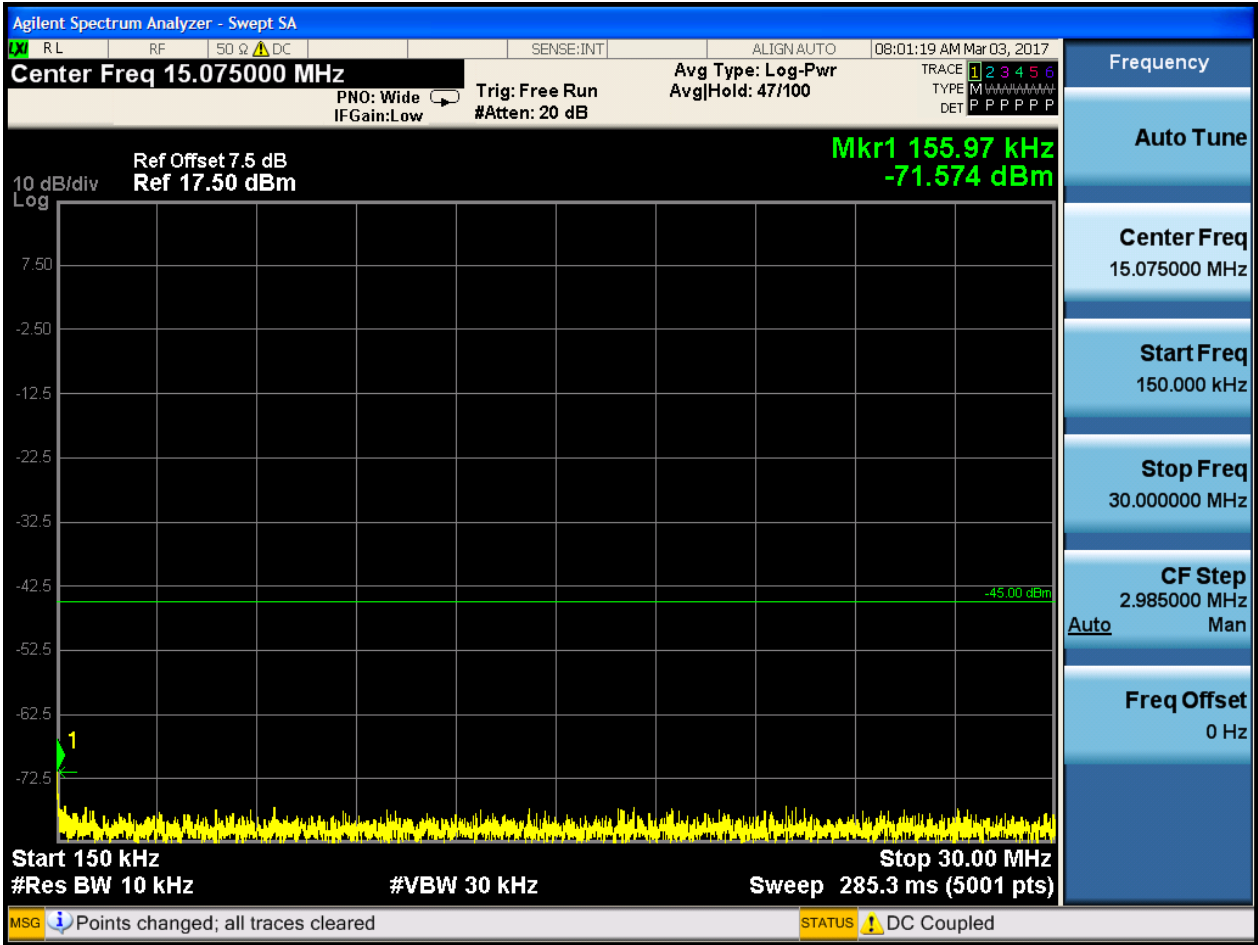
6.1.2.2.2 Test Bandwidth = 10

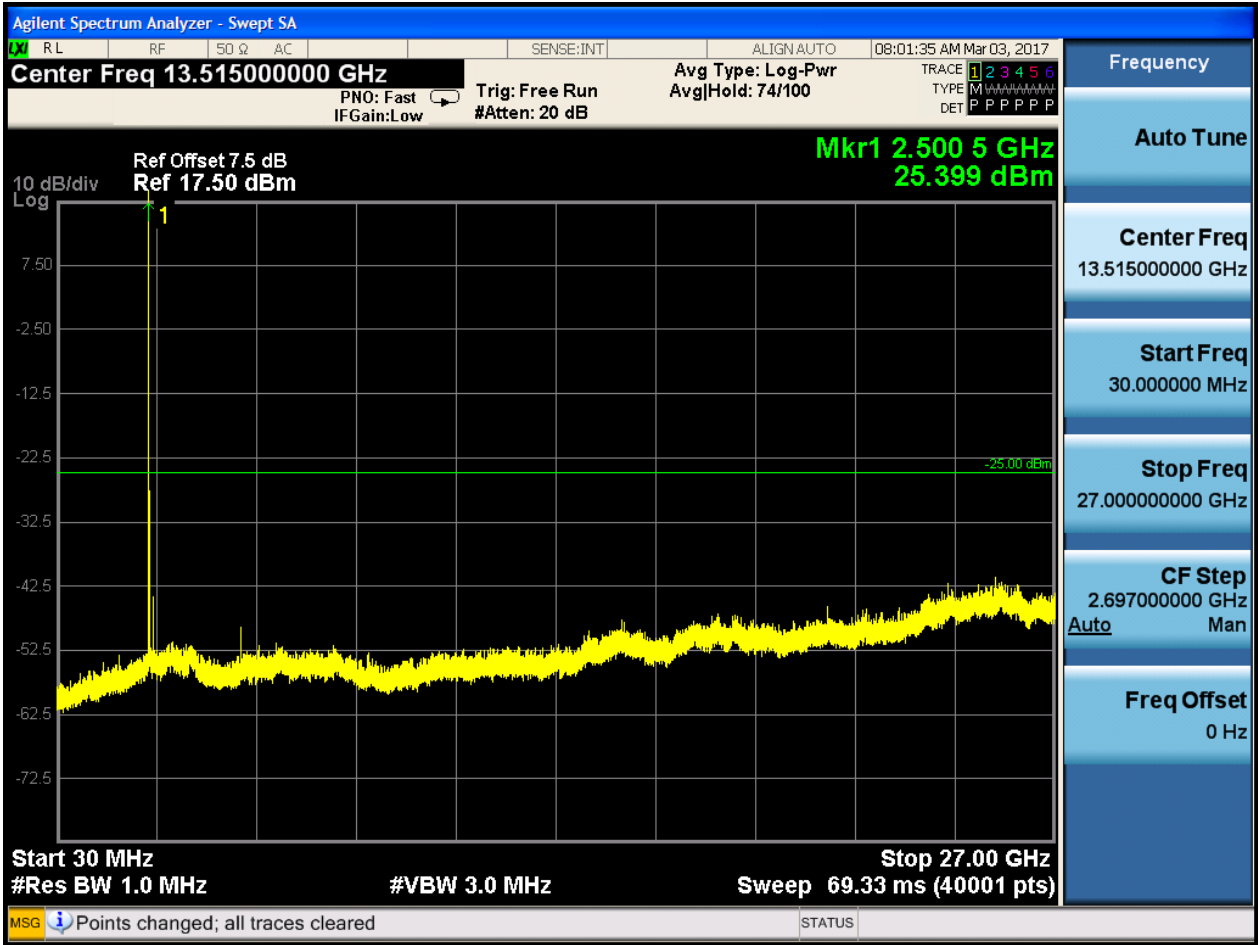
6.1.2.2.2.1 Test Channel = LCH

6.1.2.2.2.1.1 Test RB = RB1#0





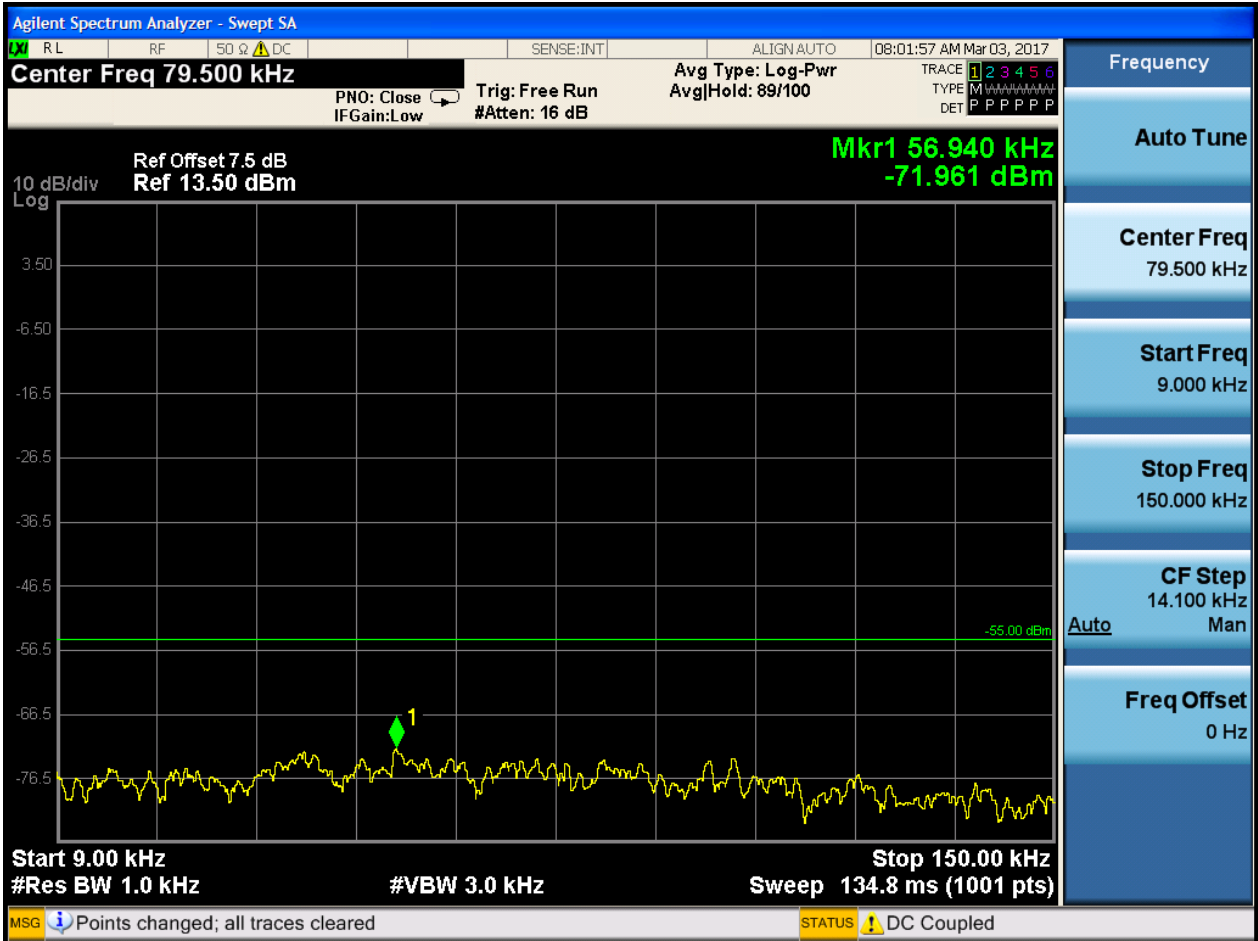


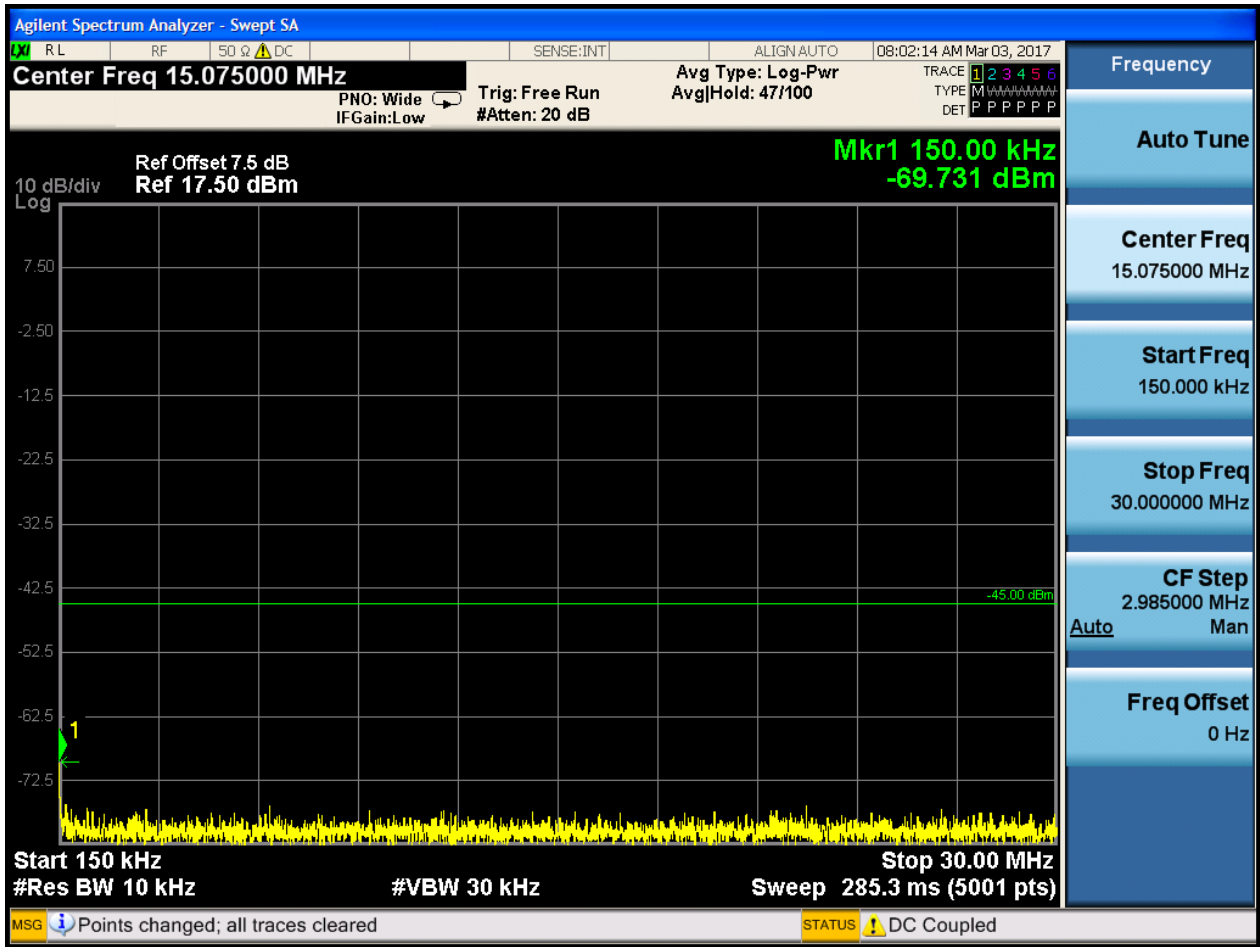


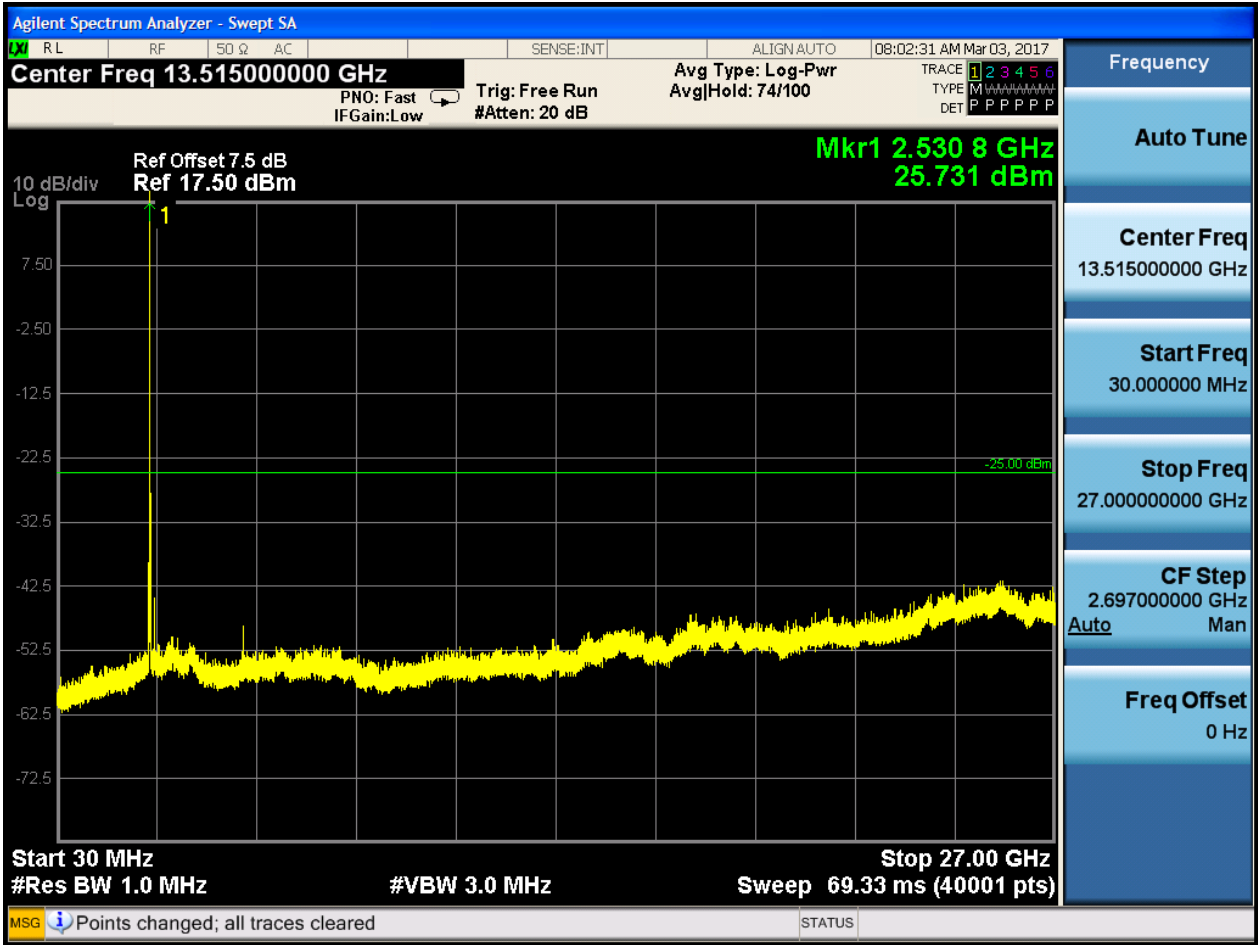


6.1.2.2.2 Test Channel = MCH

6.1.2.2.2.1 Test RB = RB1#0



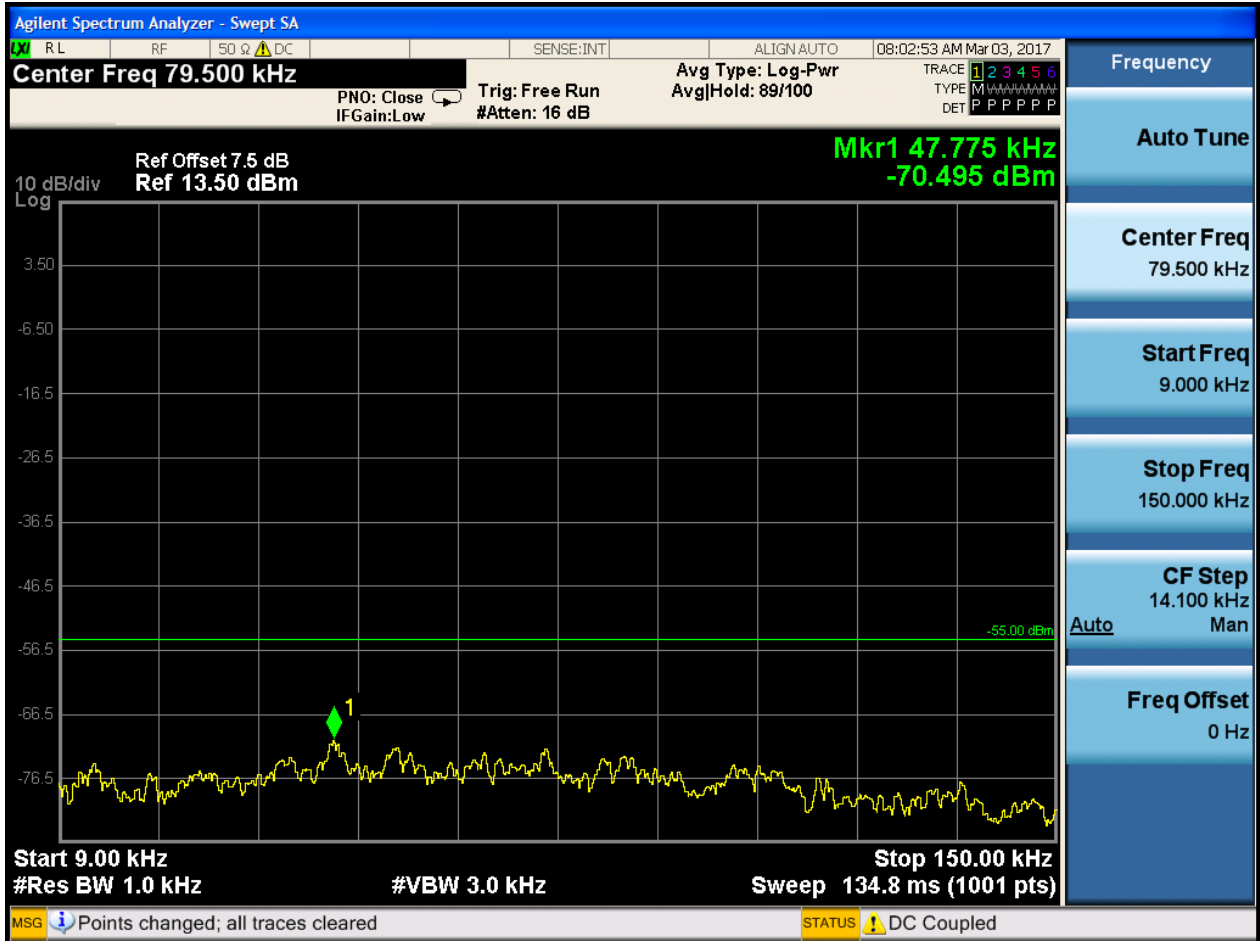


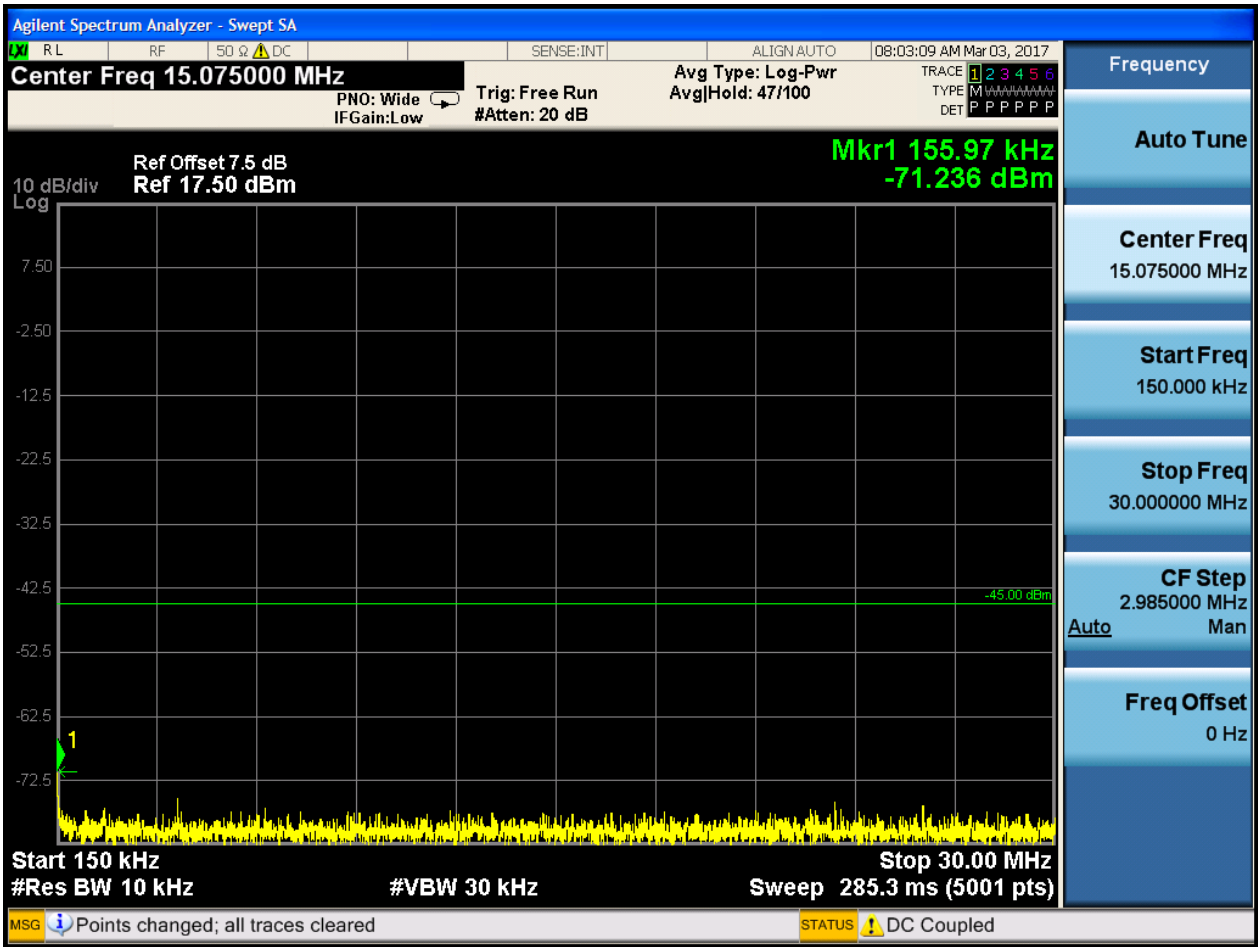


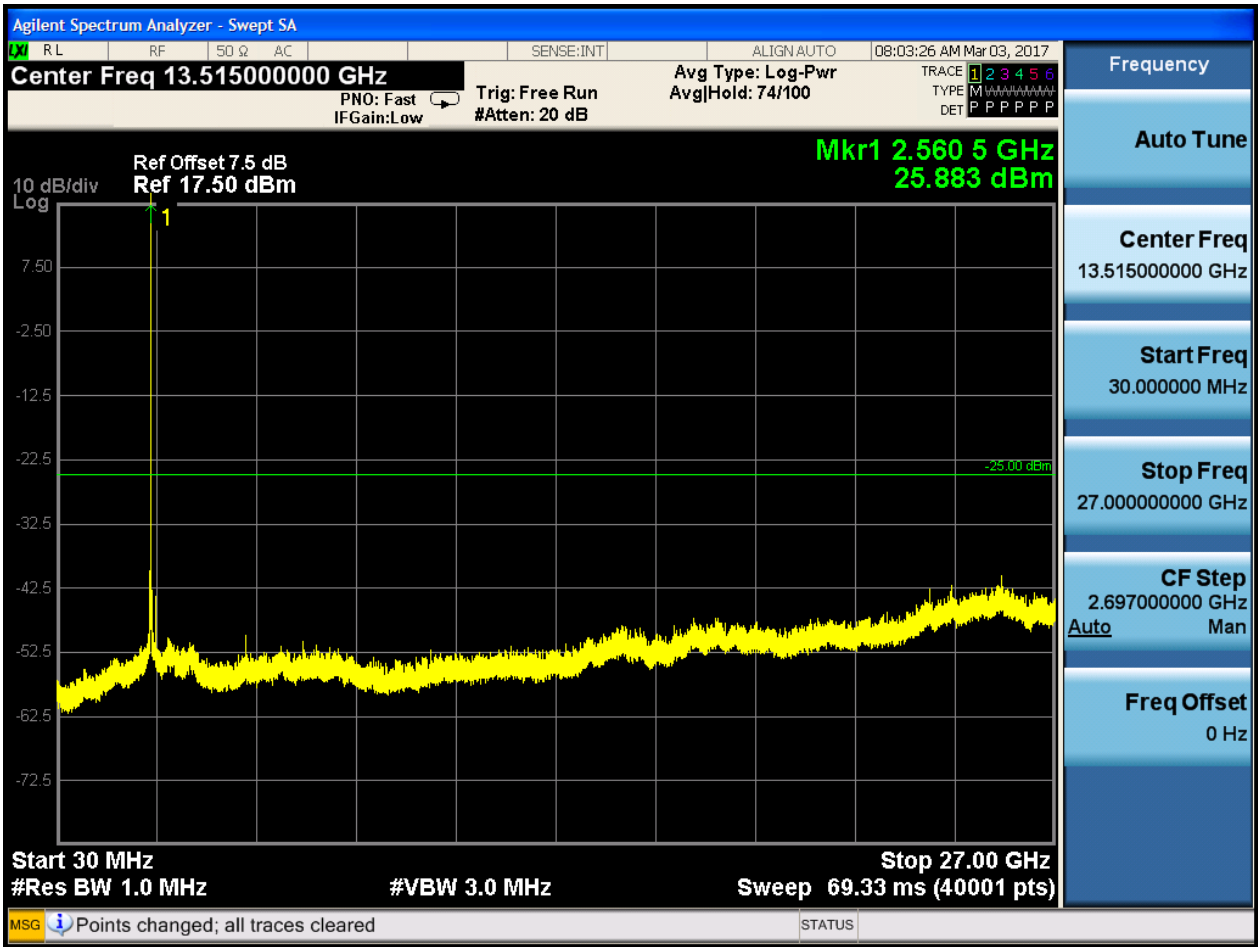


6.1.2.2.2.3 Test Channel = HCH

6.1.2.2.2.3.1 Test RB = RB1#0







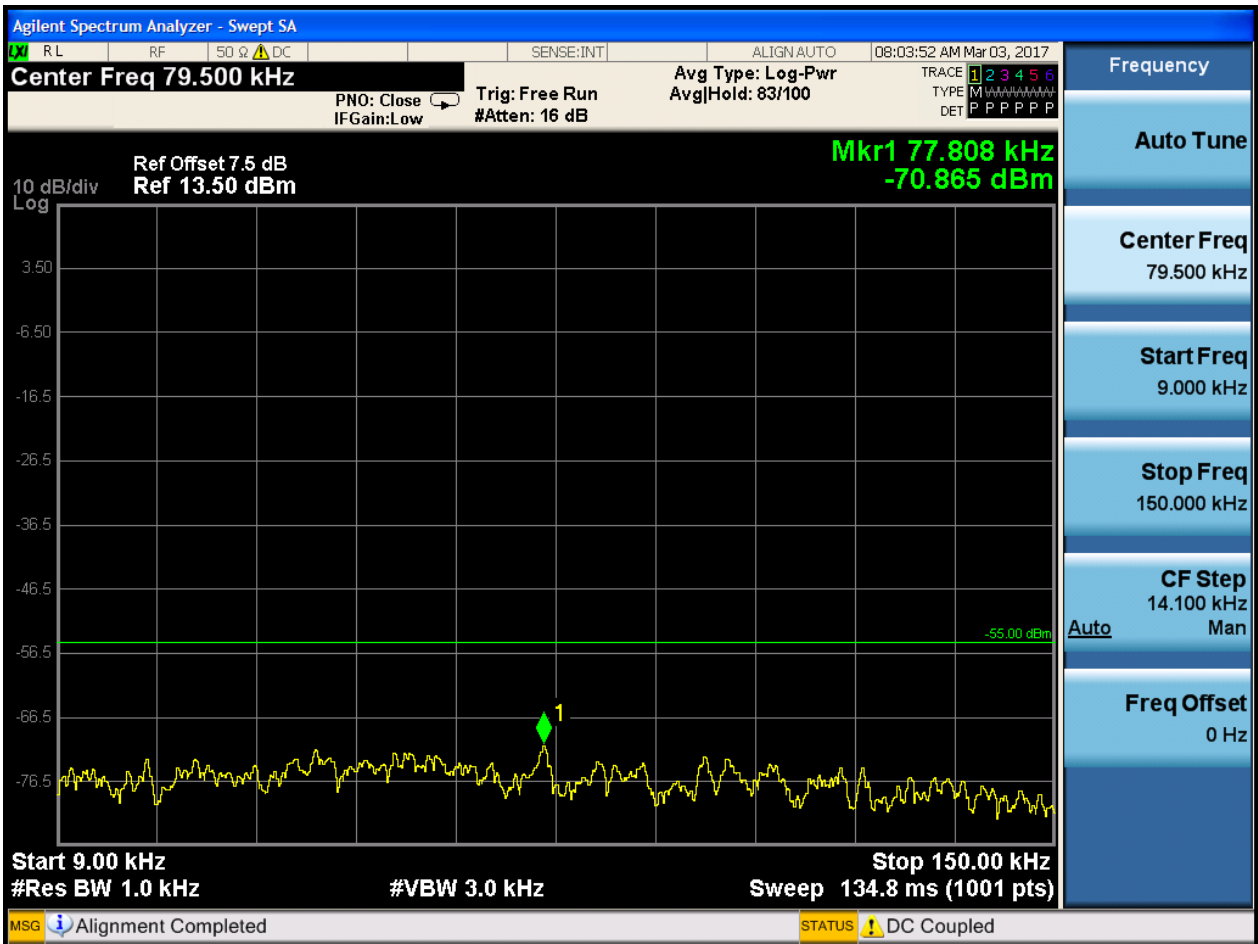


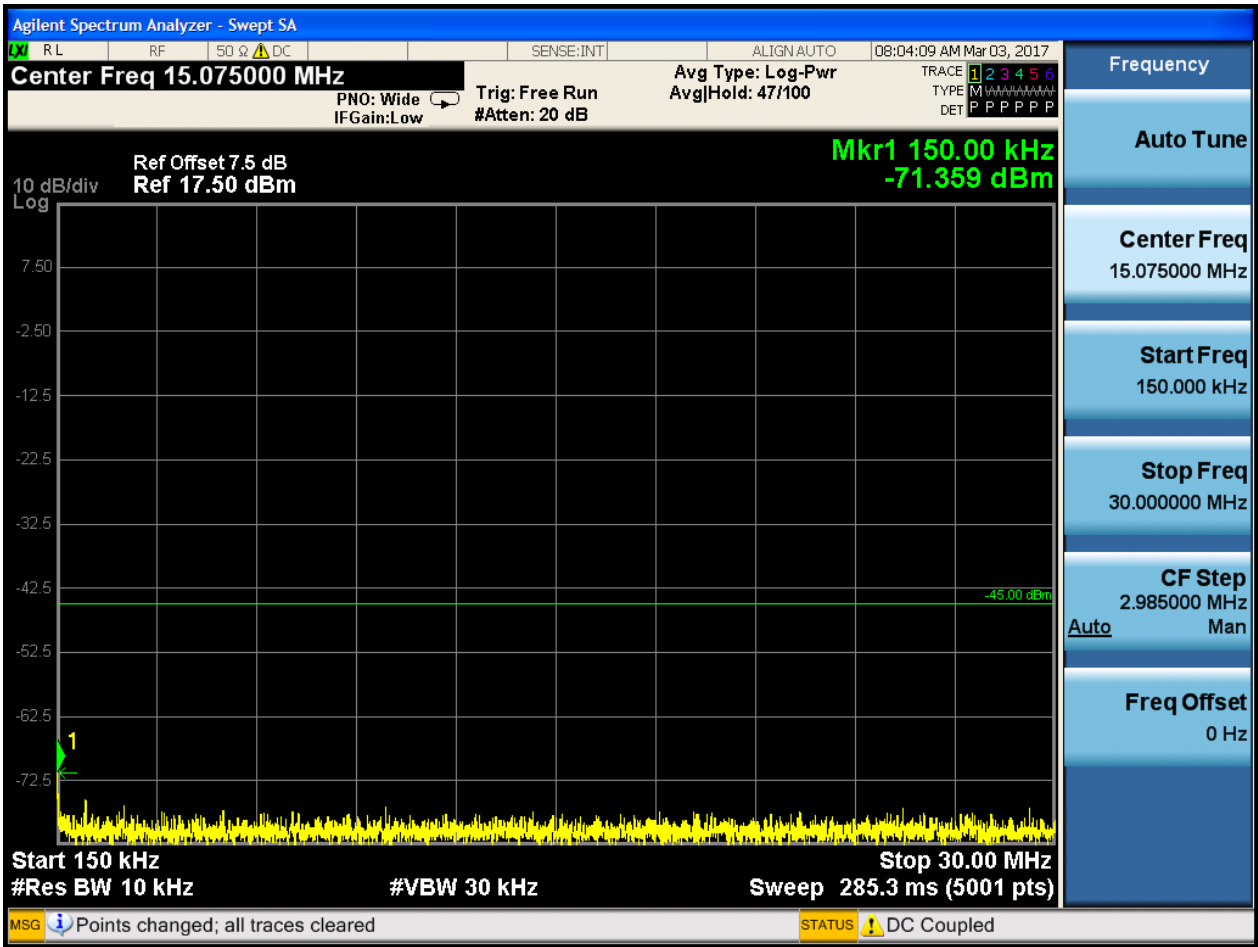


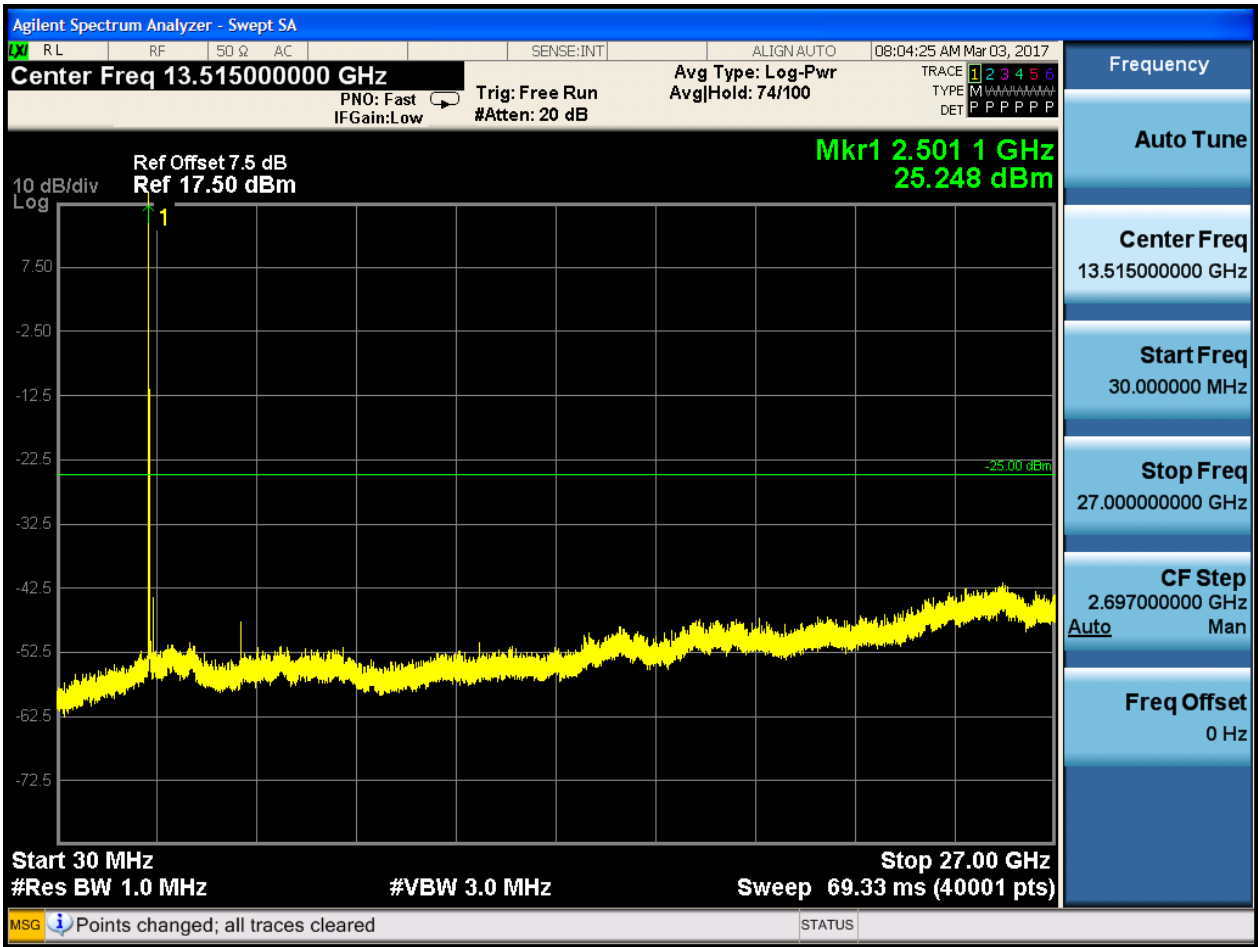
6.1.2.2.3 Test Bandwidth = 15

6.1.2.2.3.1 Test Channel = LCH

6.1.2.2.3.1.1 Test RB = RB1#0



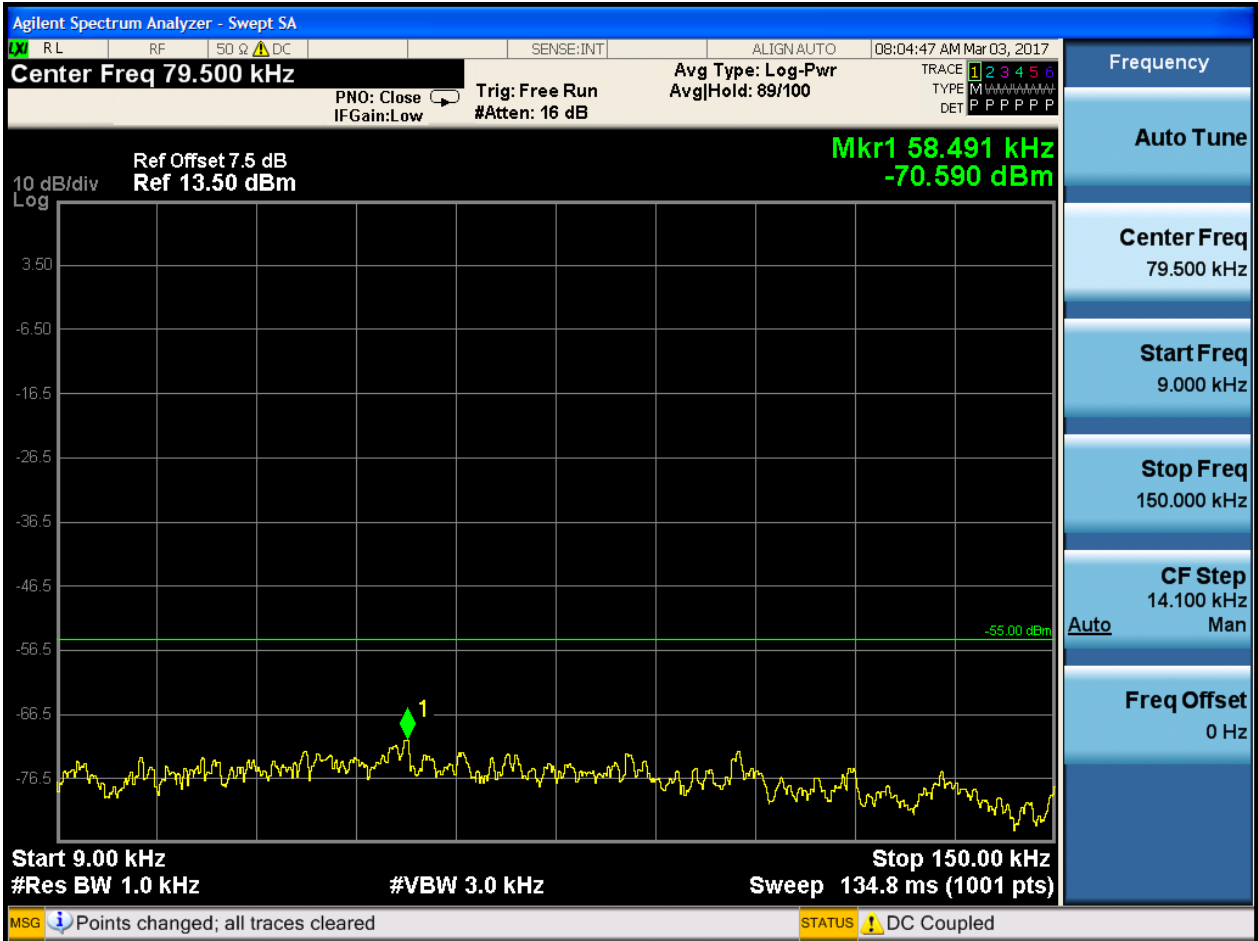


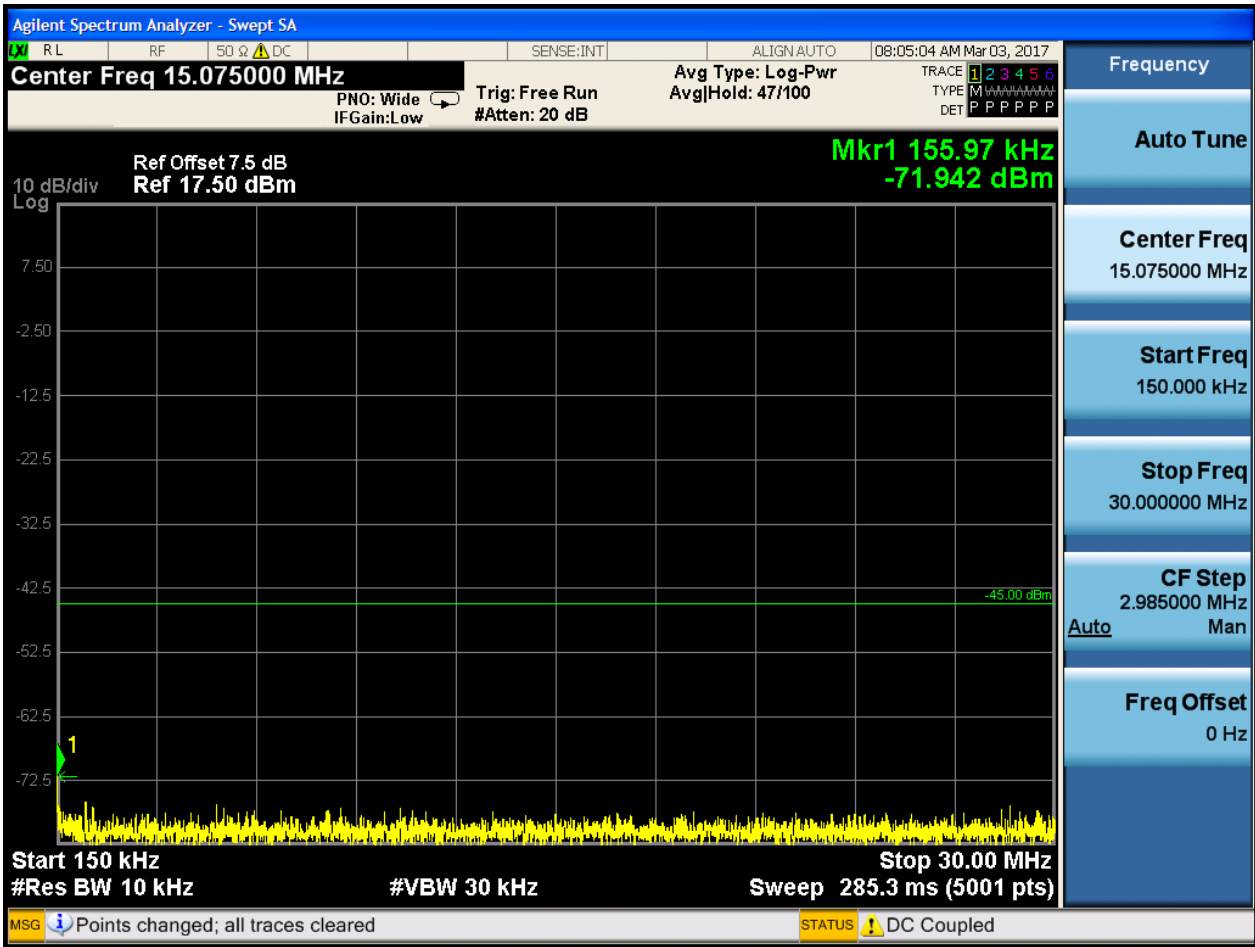


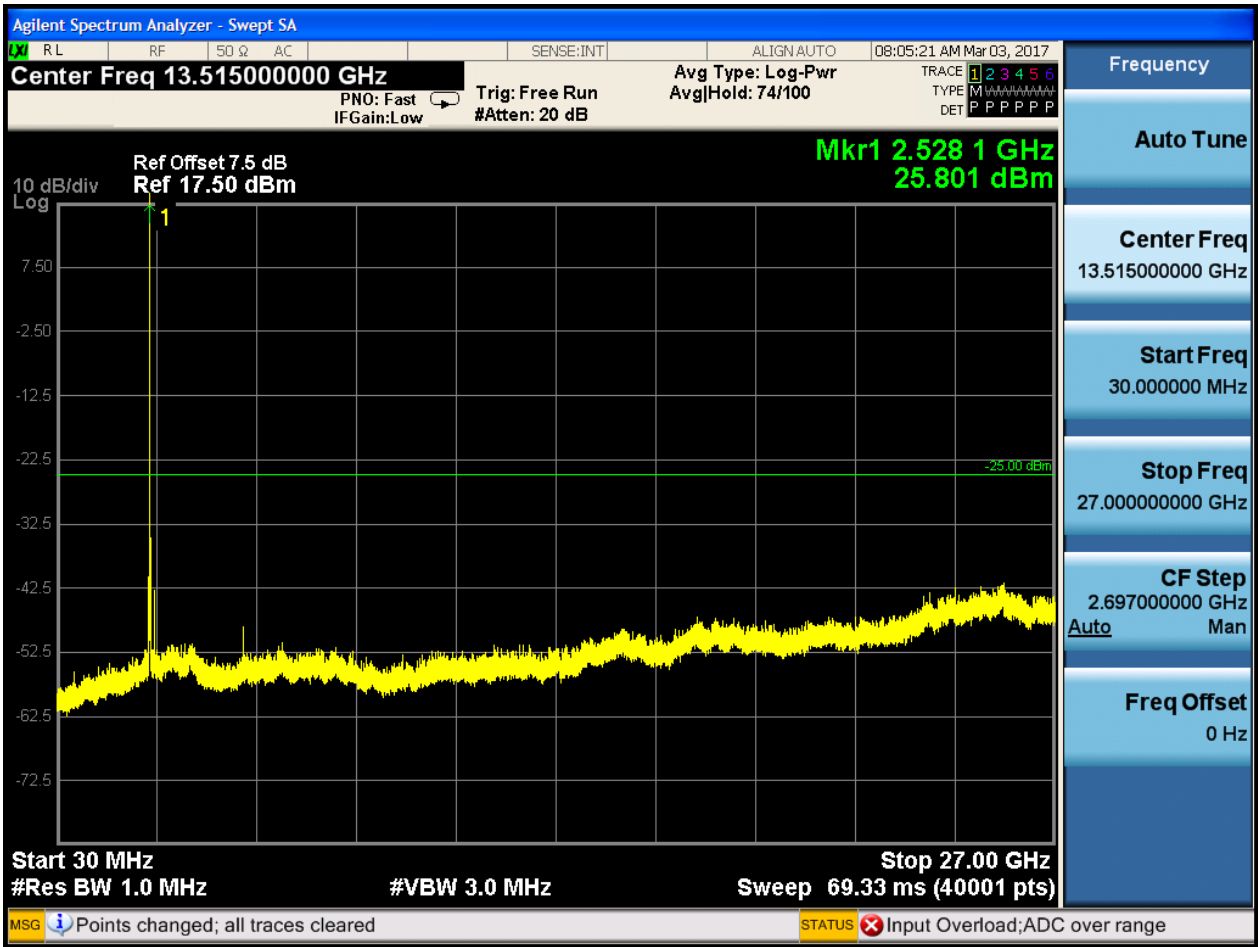


6.1.2.2.3.2 Test Channel = MCH

6.1.2.2.3.2.1 Test RB = RB1#0



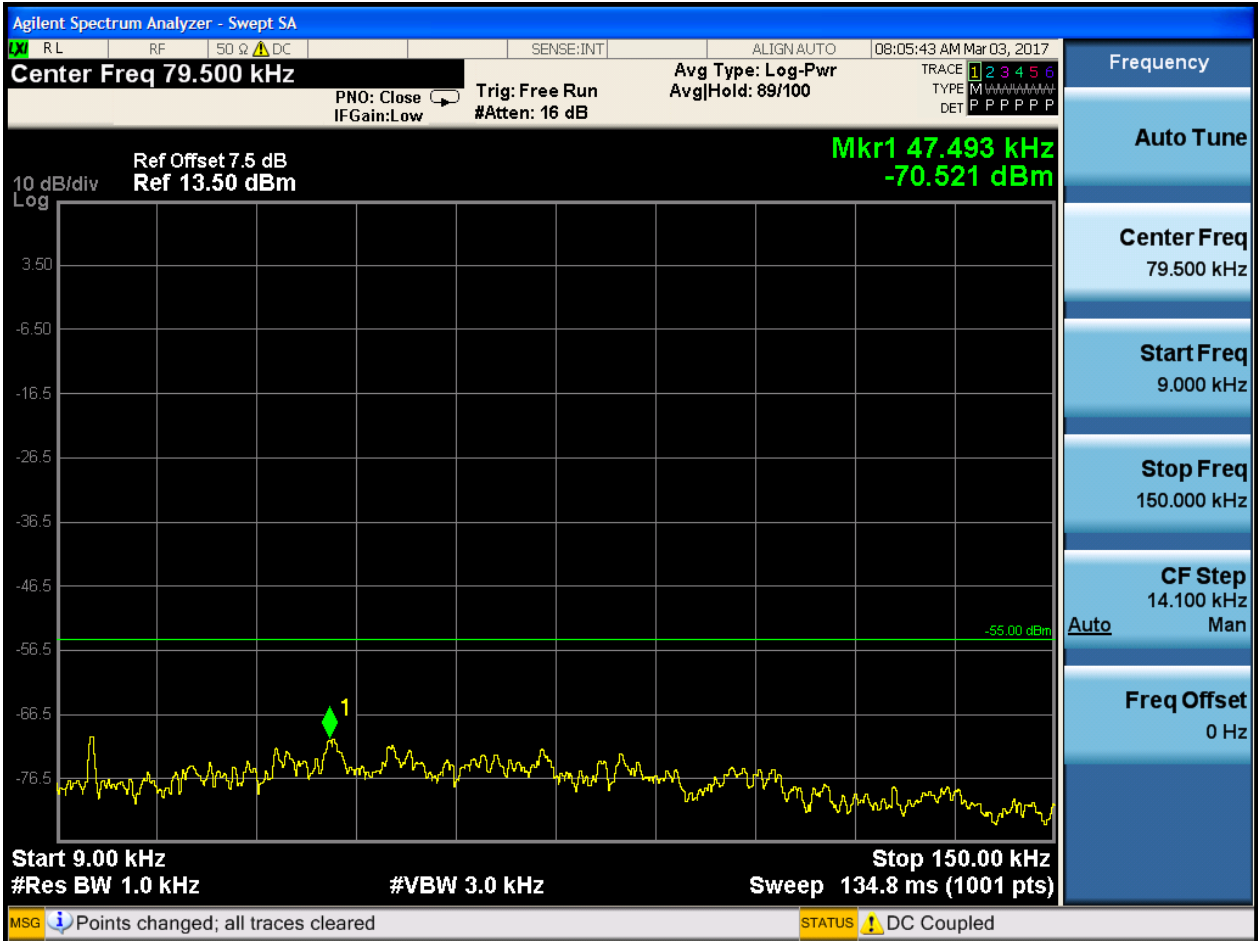


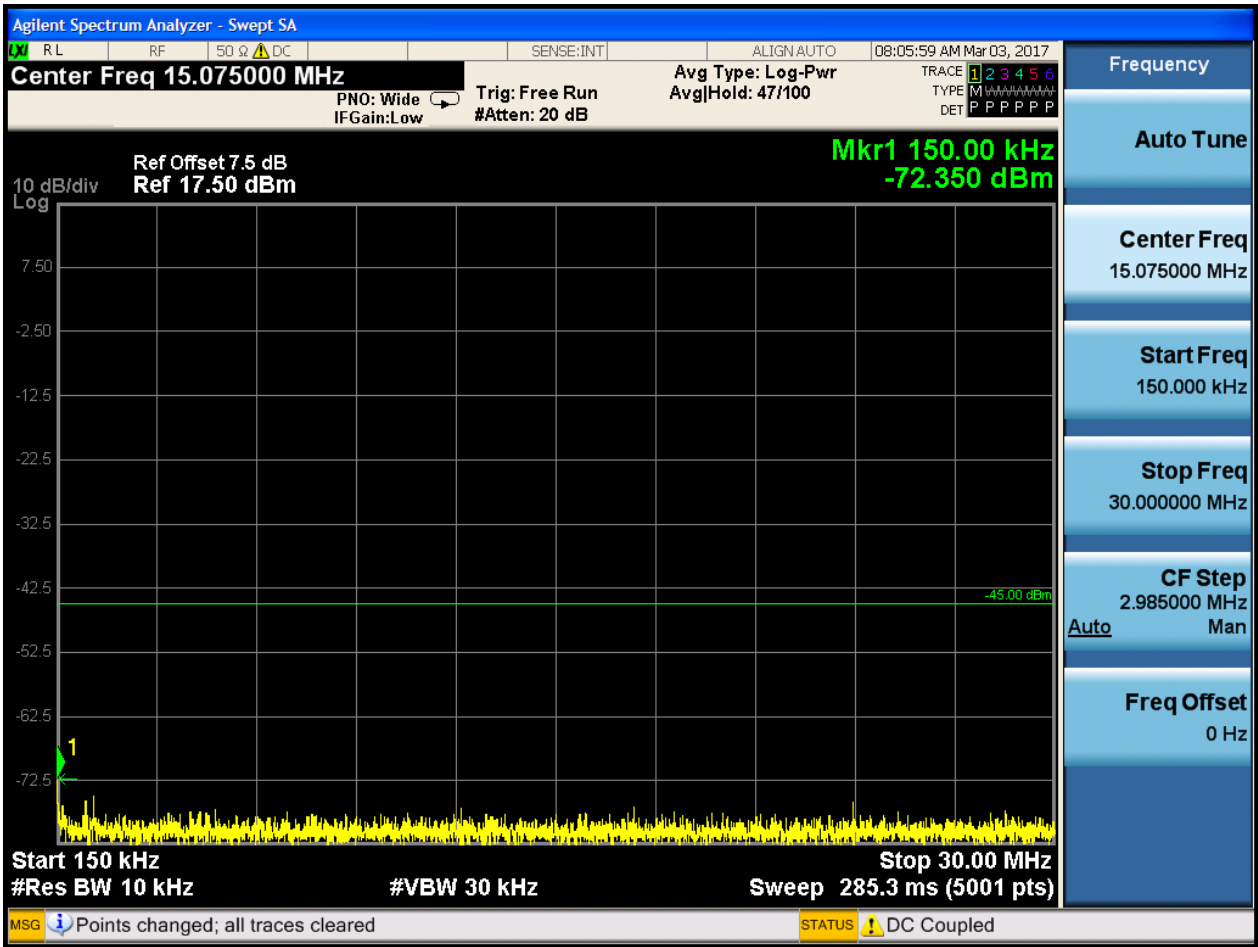




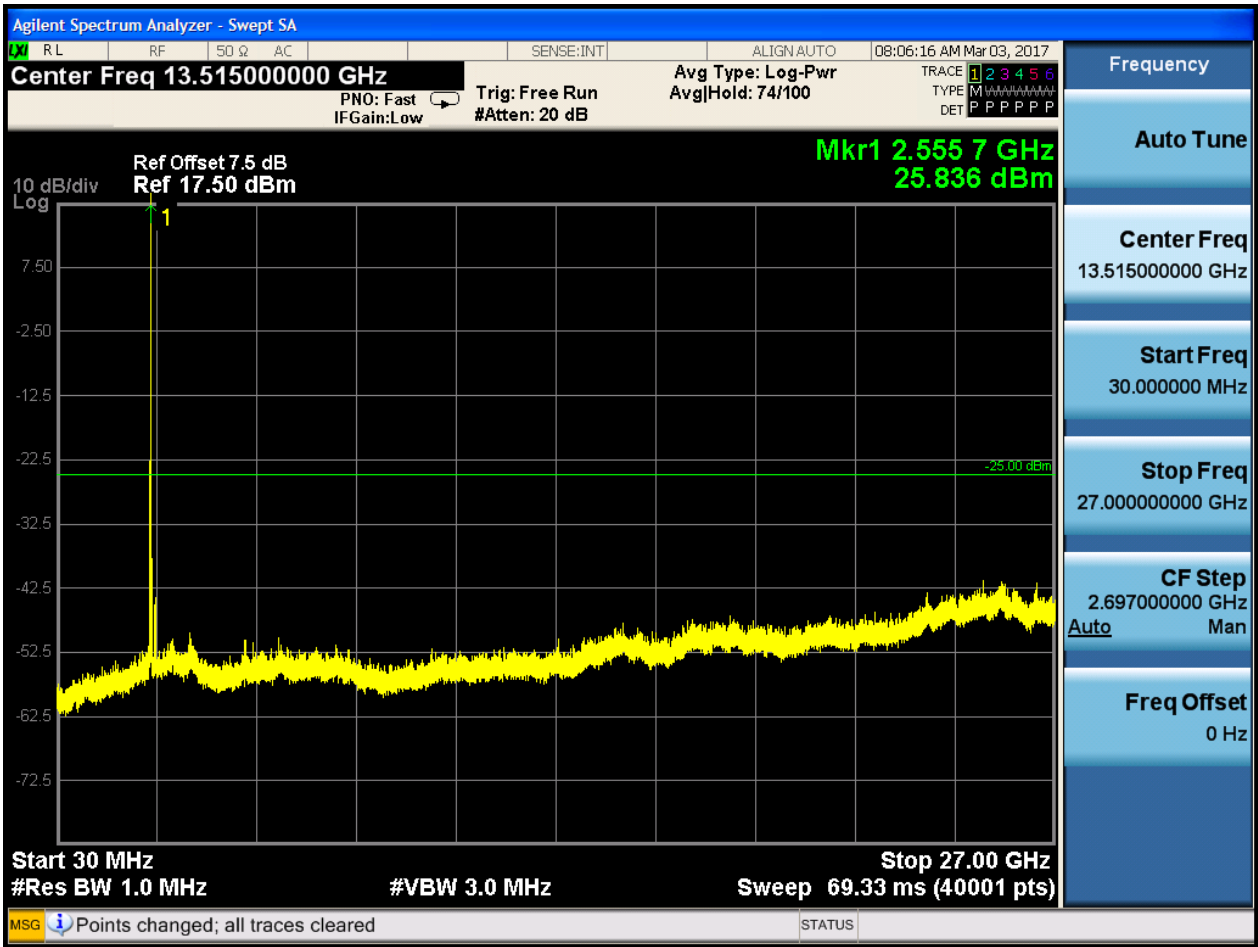
6.1.2.2.3.3 Test Channel = HCH

6.1.2.2.3.3.1 Test RB = RB1#0









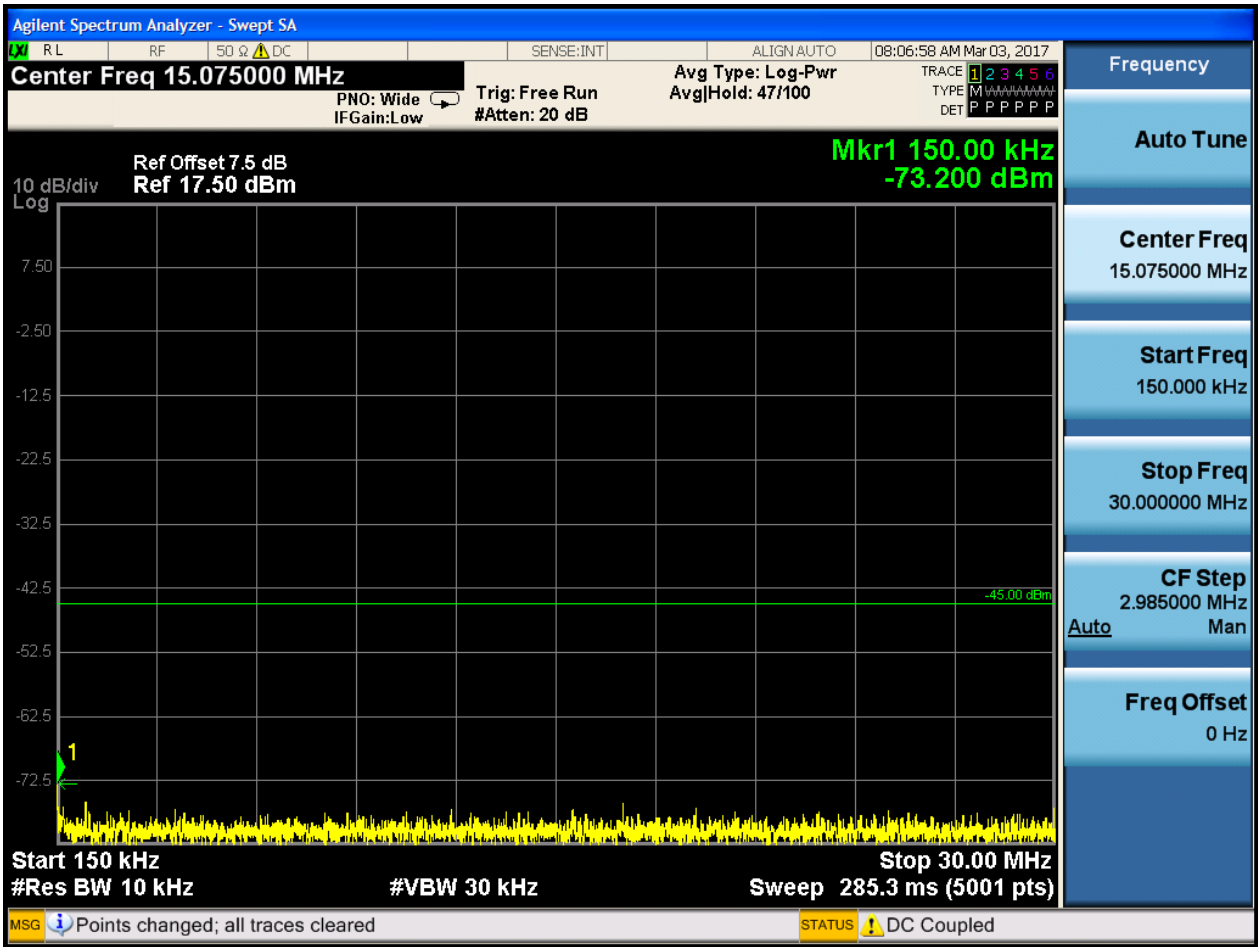


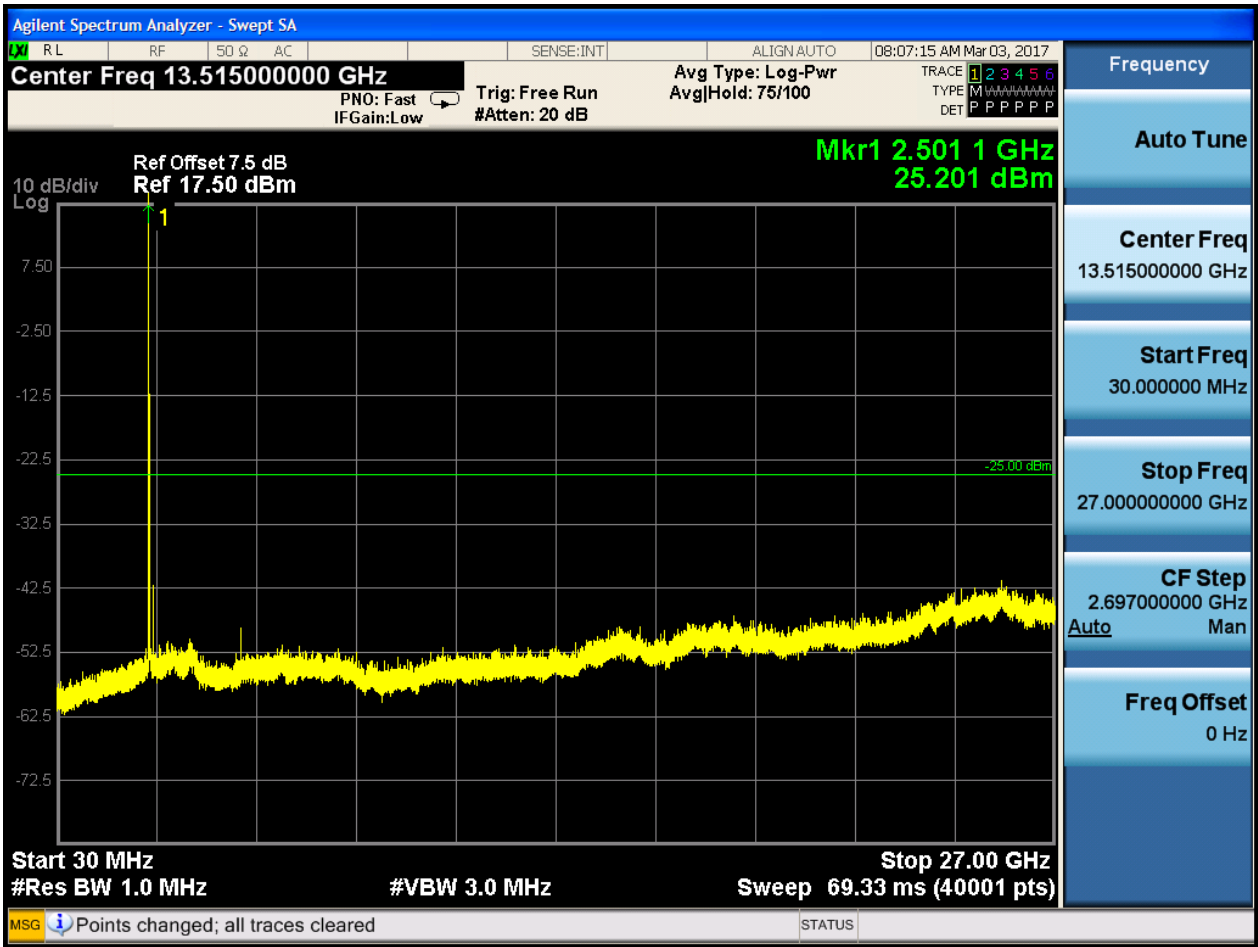
6.1.2.2.4 Test Bandwidth = 20

6.1.2.2.4.1 Test Channel = LCH

6.1.2.2.4.1.1 Test RB = RB1#0



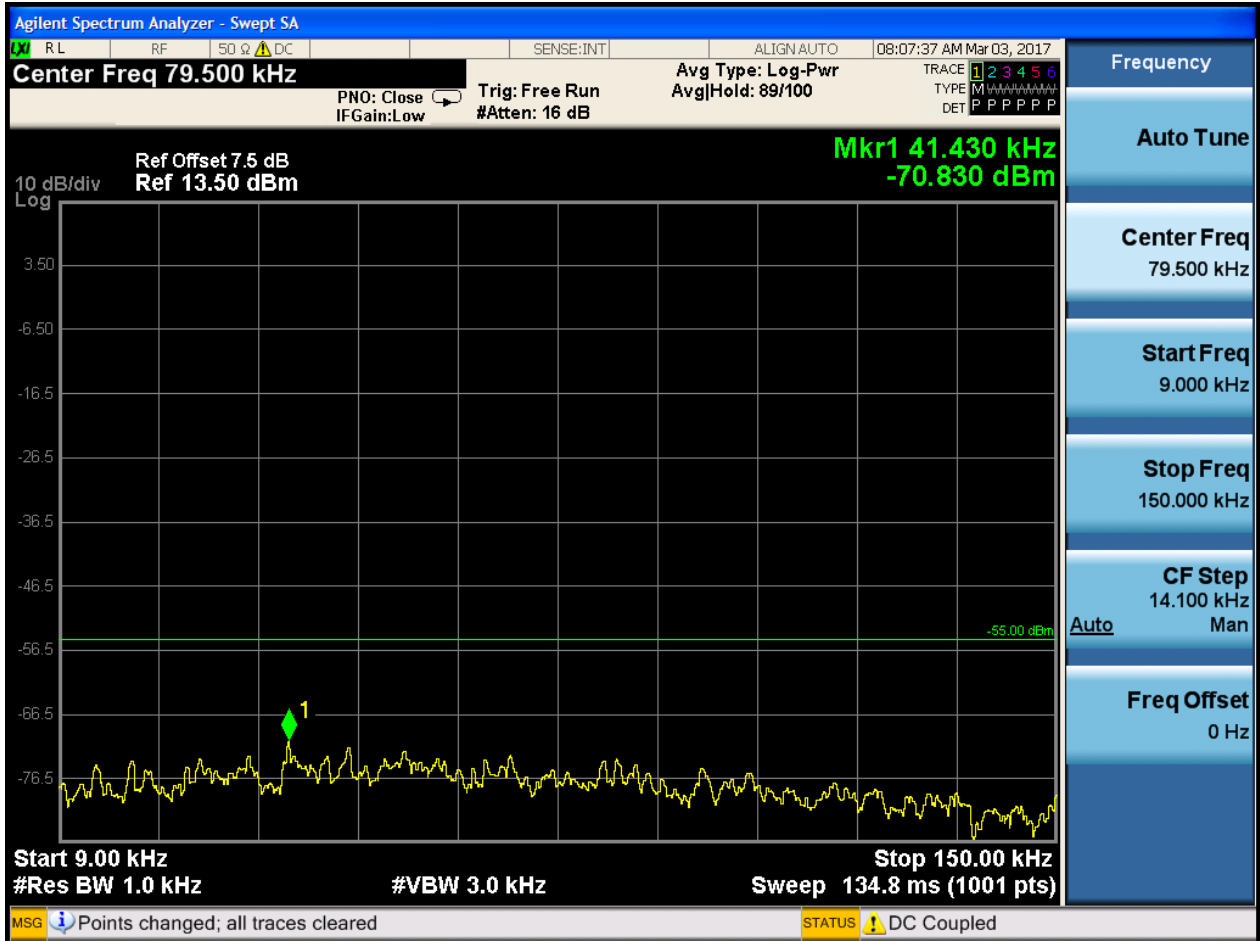


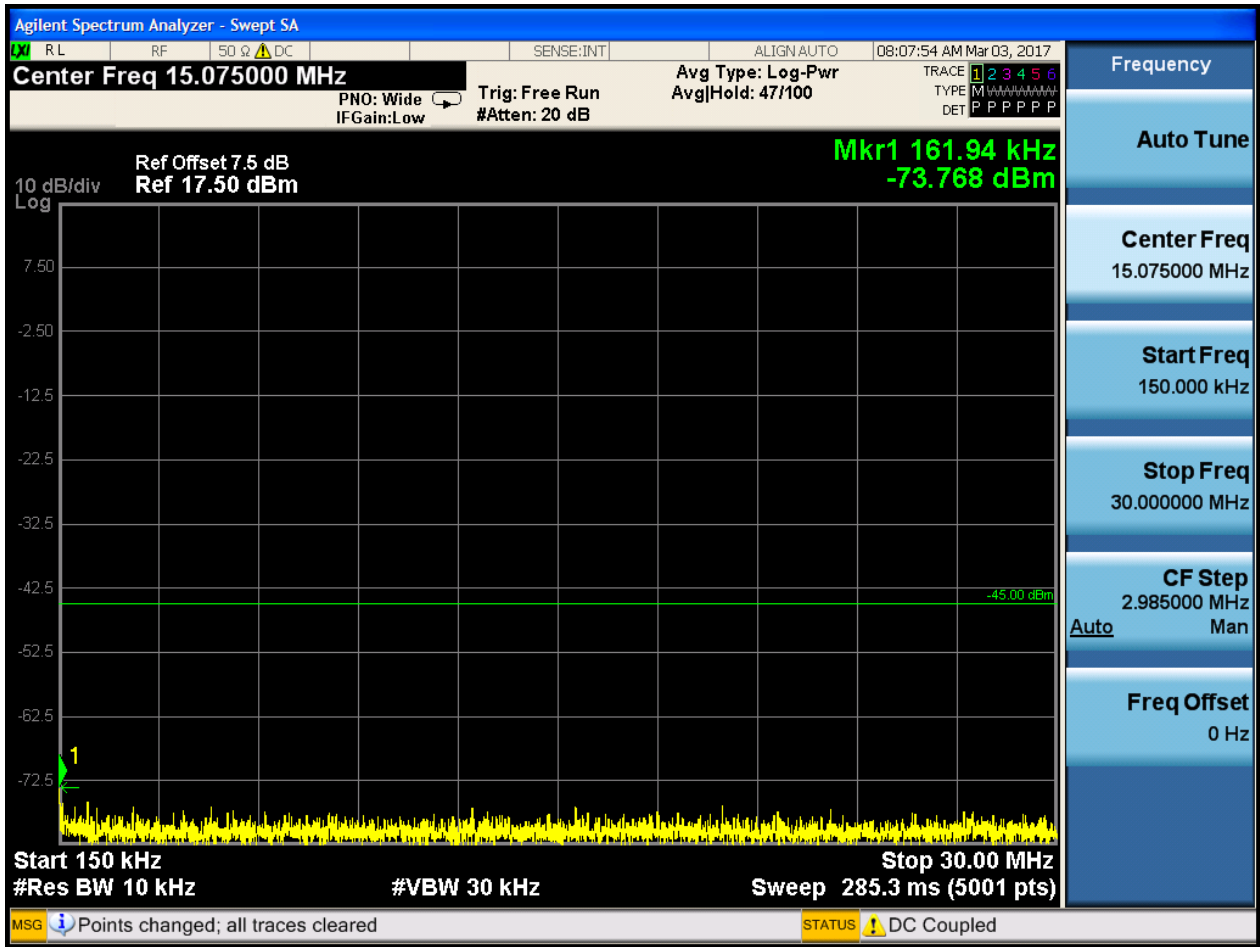


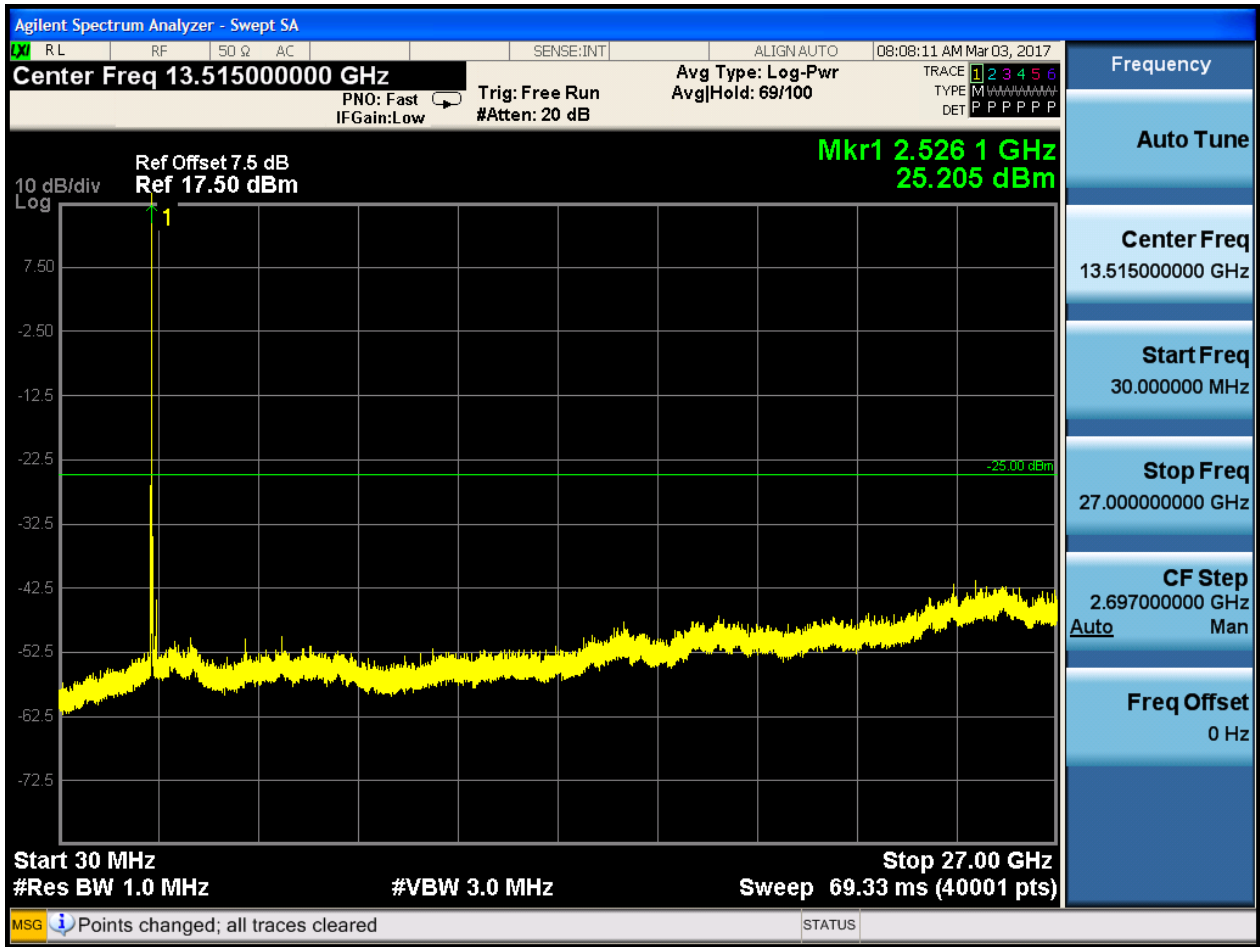


6.1.2.2.4.2 Test Channel = MCH

6.1.2.2.4.2.1 Test RB = RB1#0



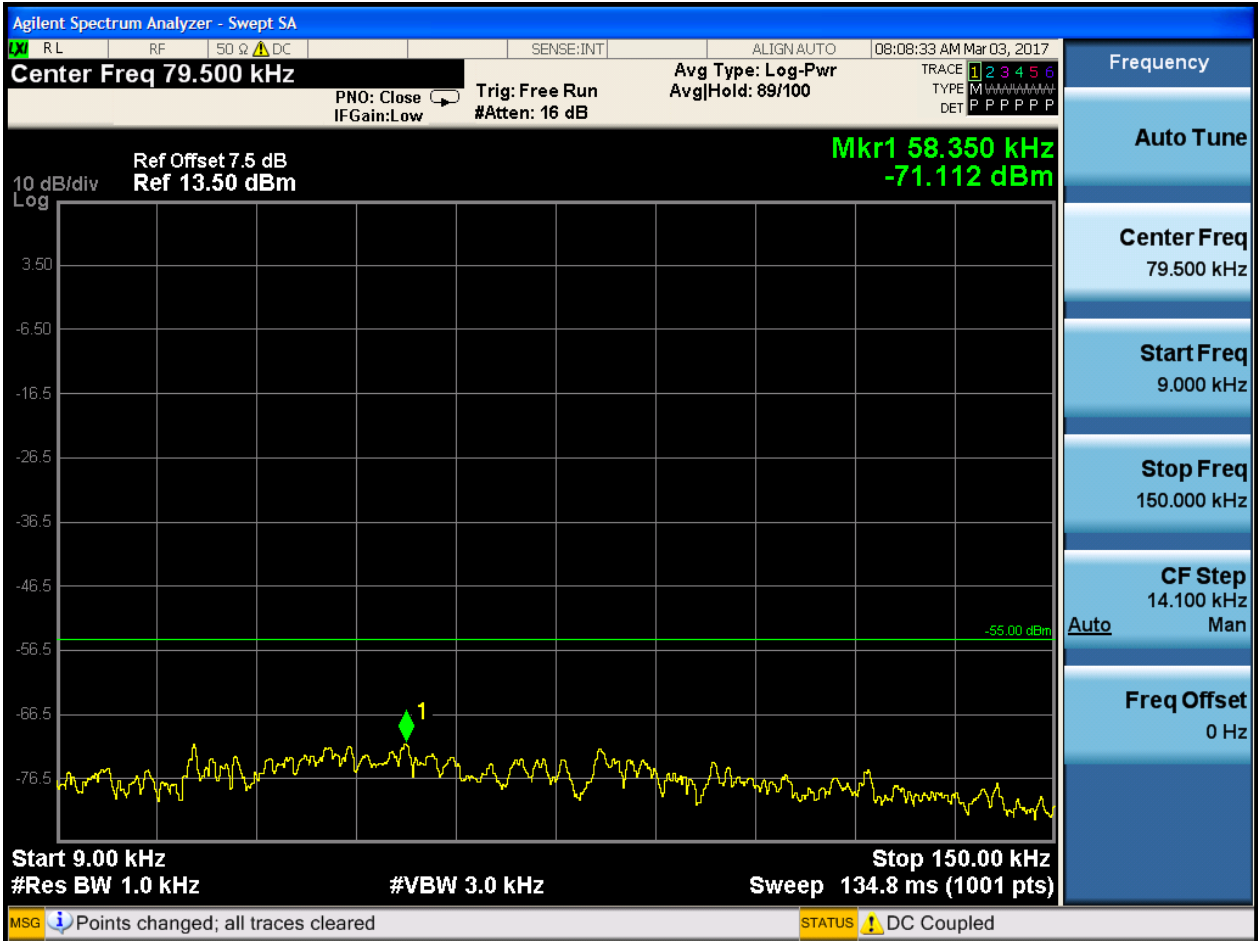




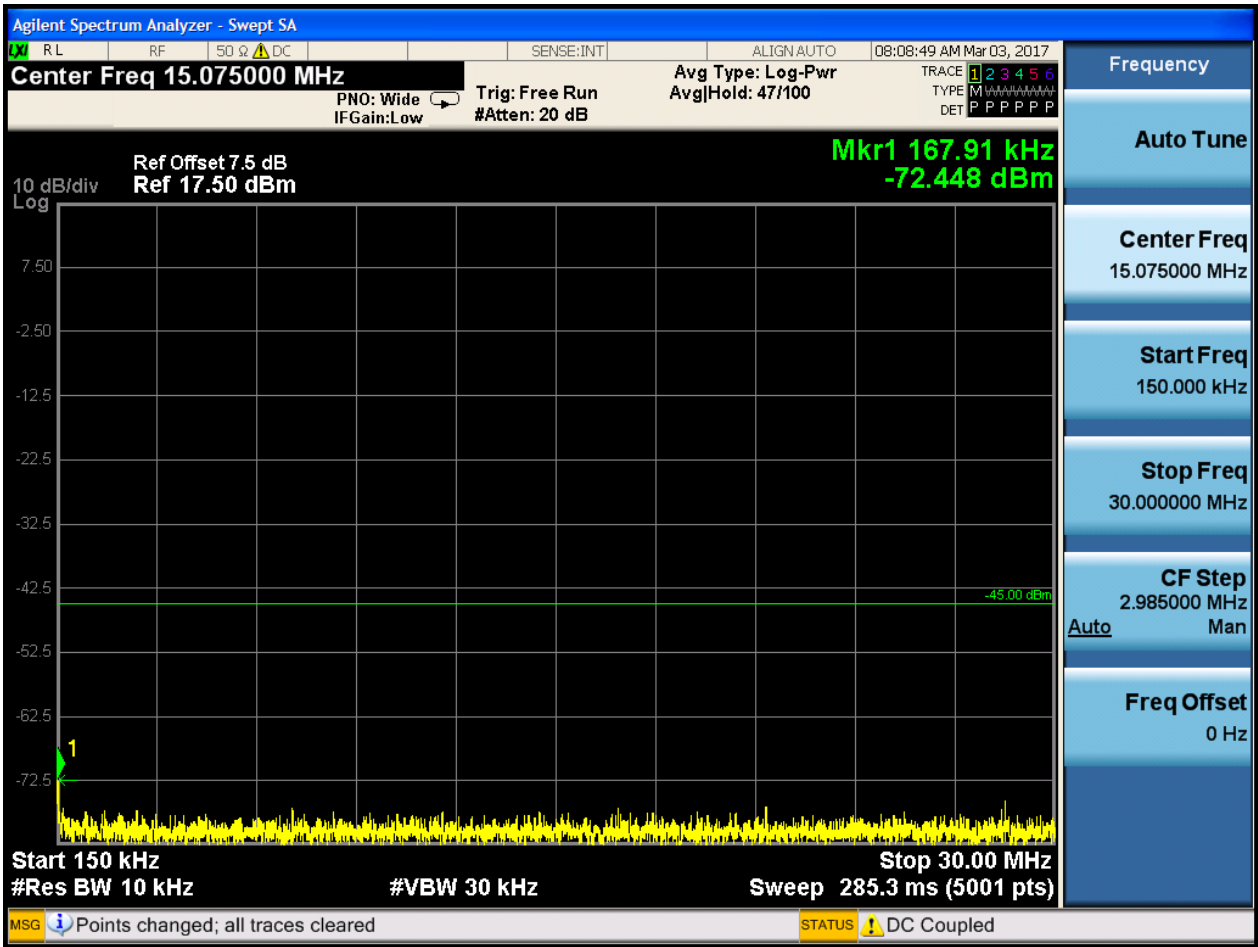


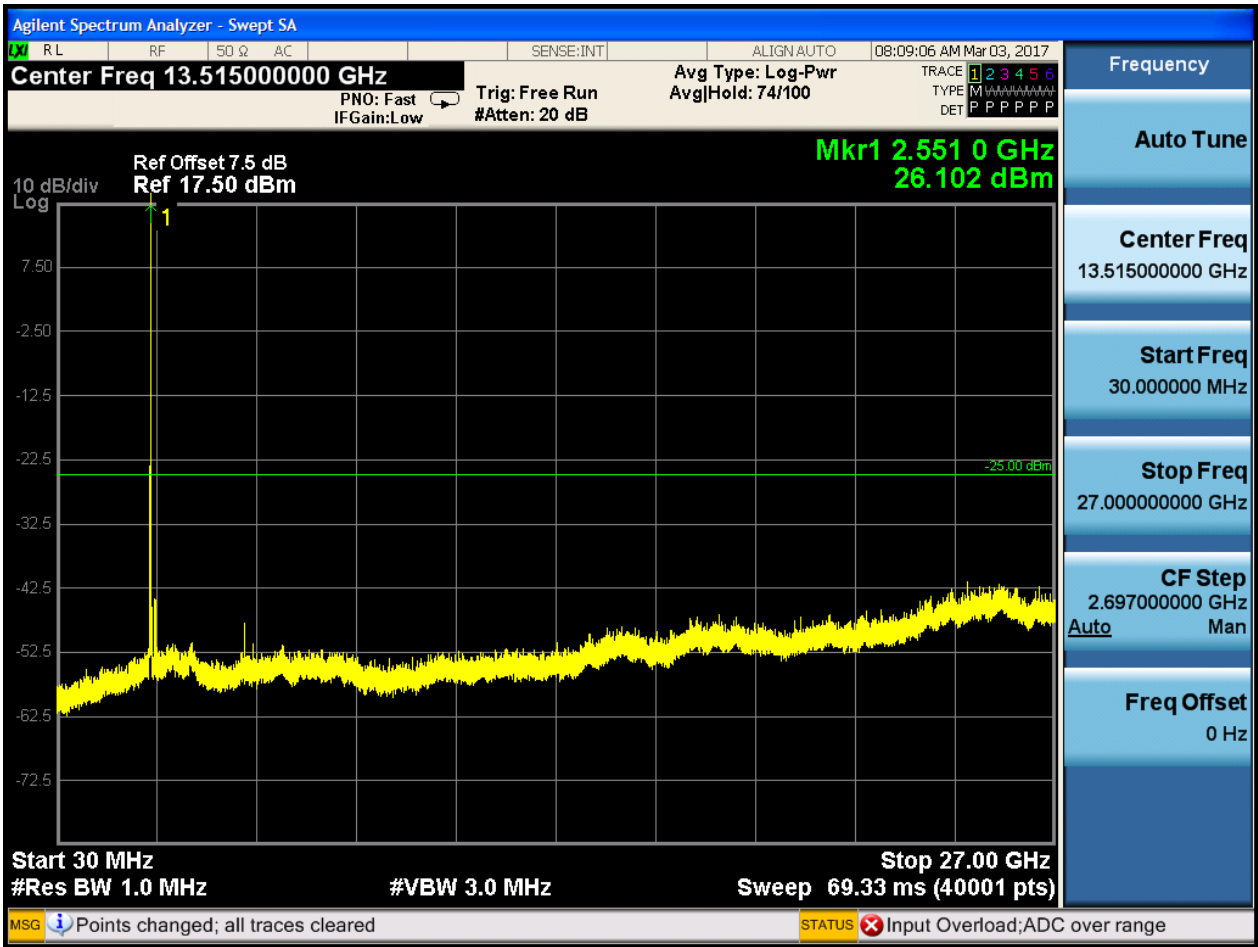
6.1.2.2.4.3 Test Channel = HCH

6.1.2.2.4.3.1 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

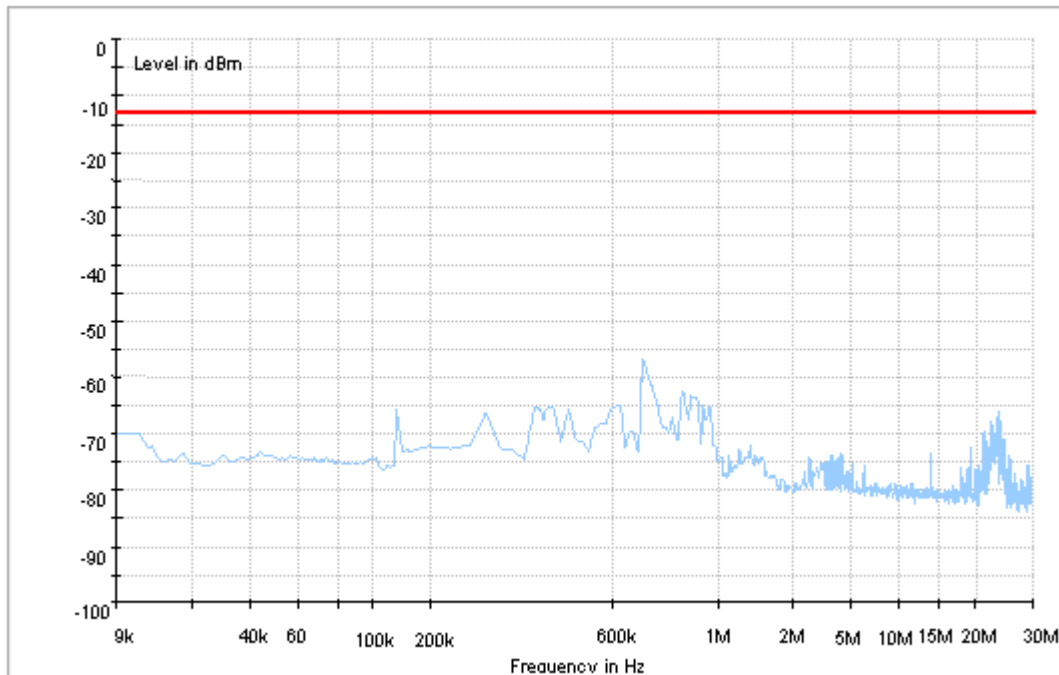
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

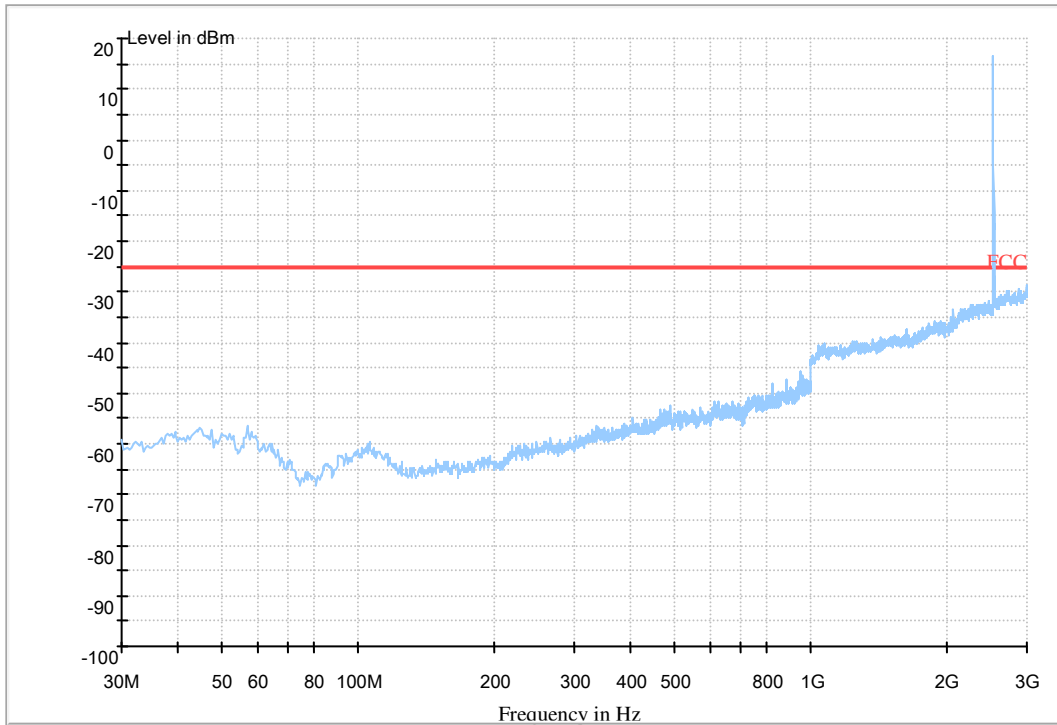
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND7

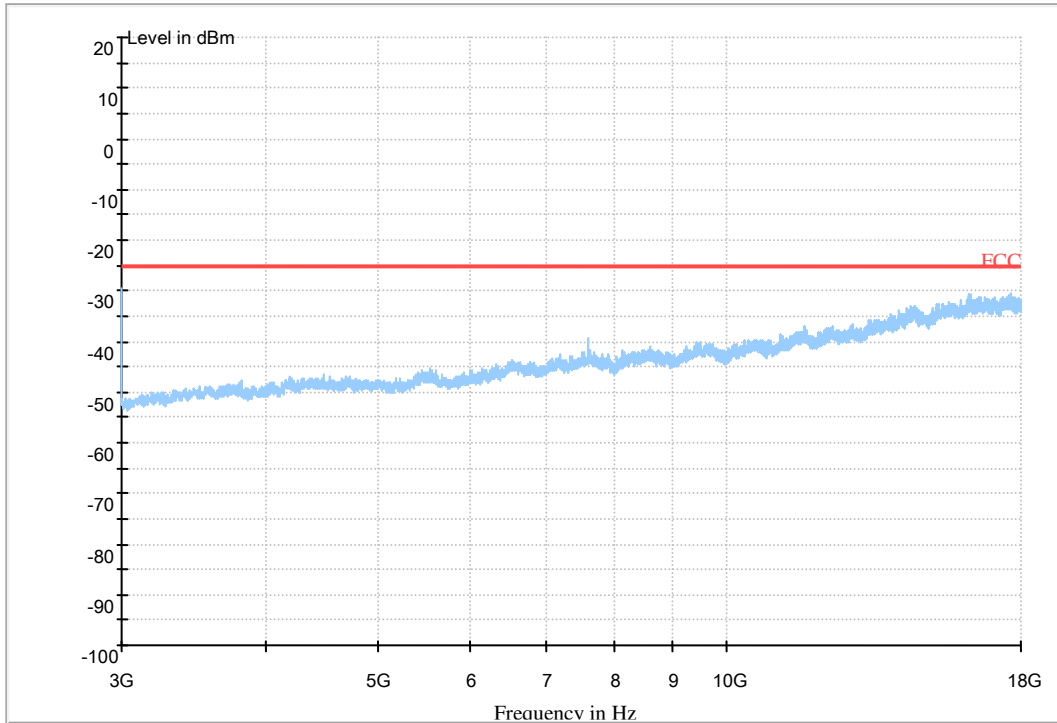
##### 7.1.1.1 Test Bandwidth = 5

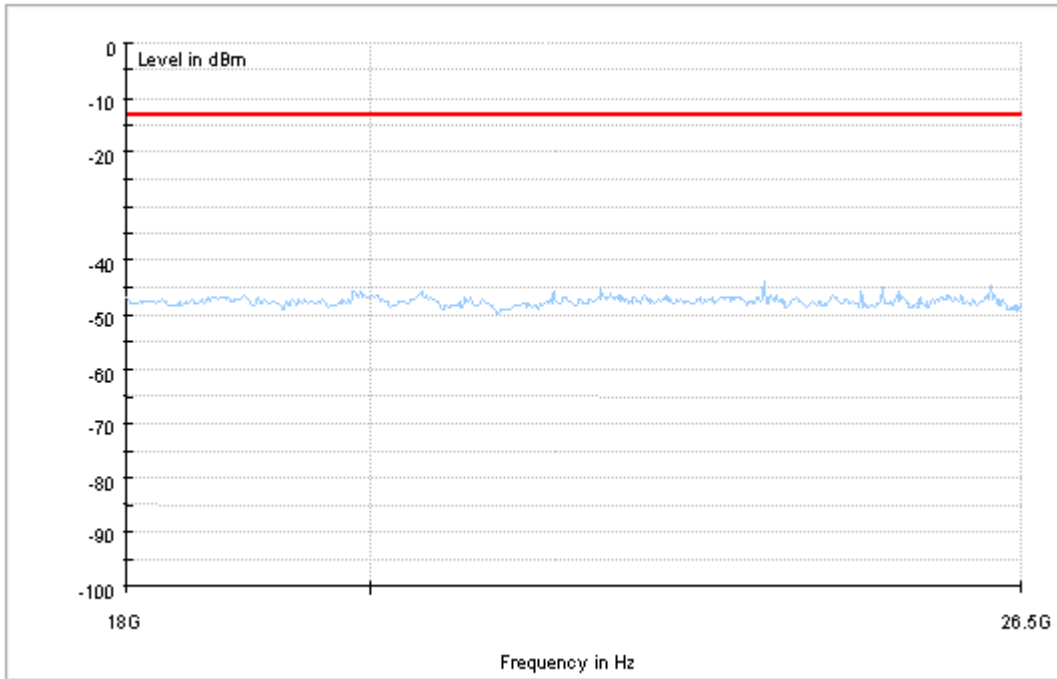


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L

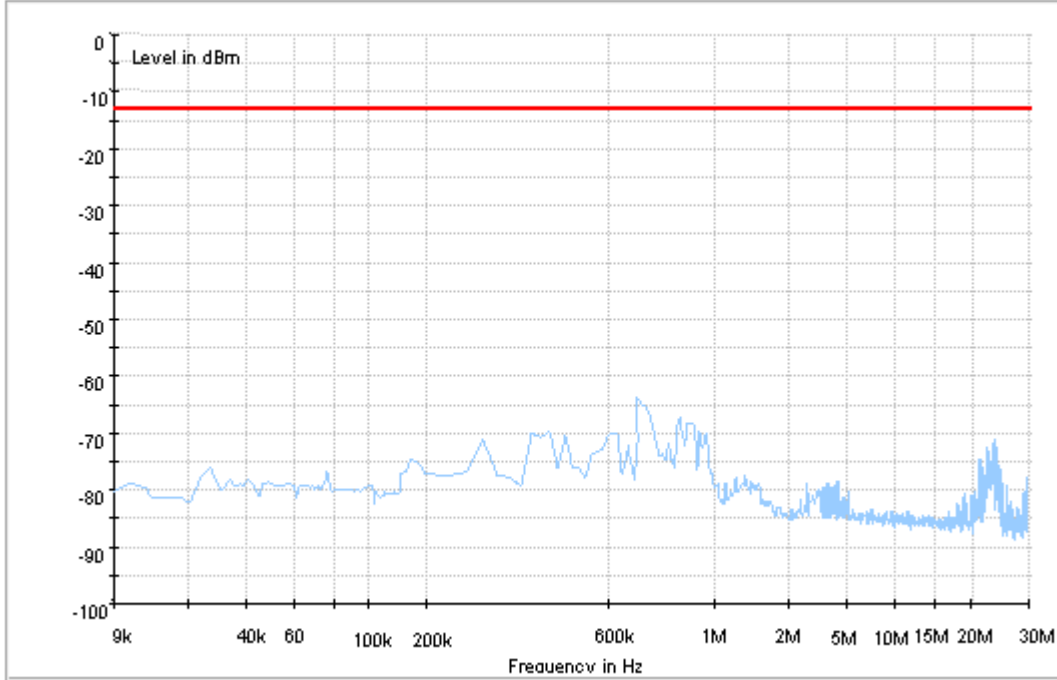


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

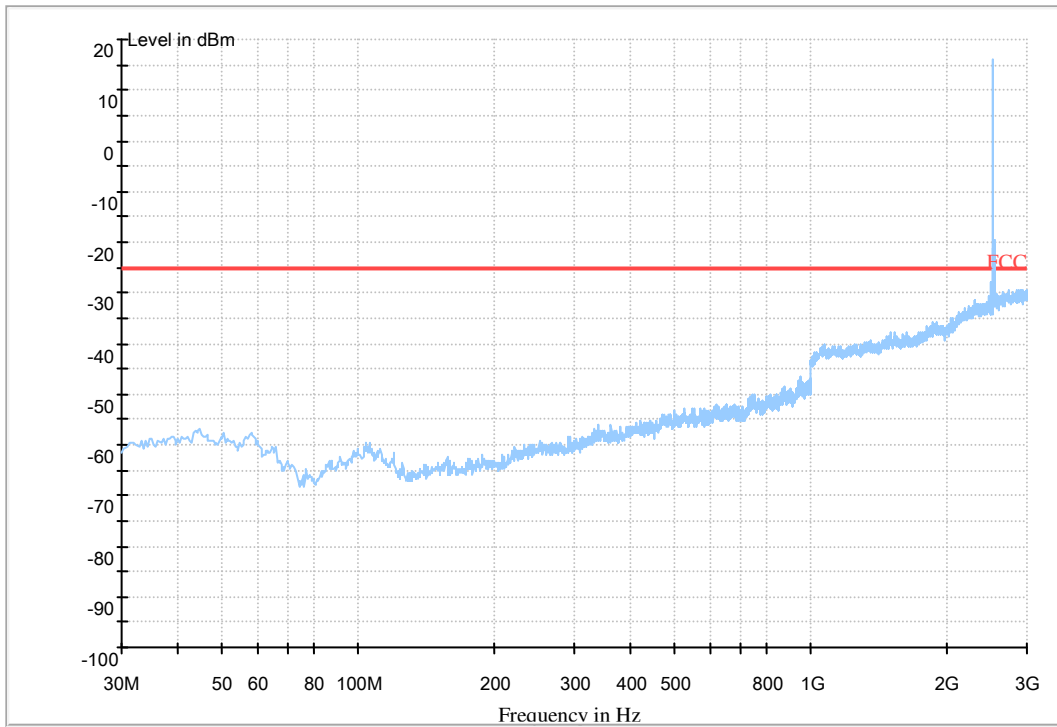




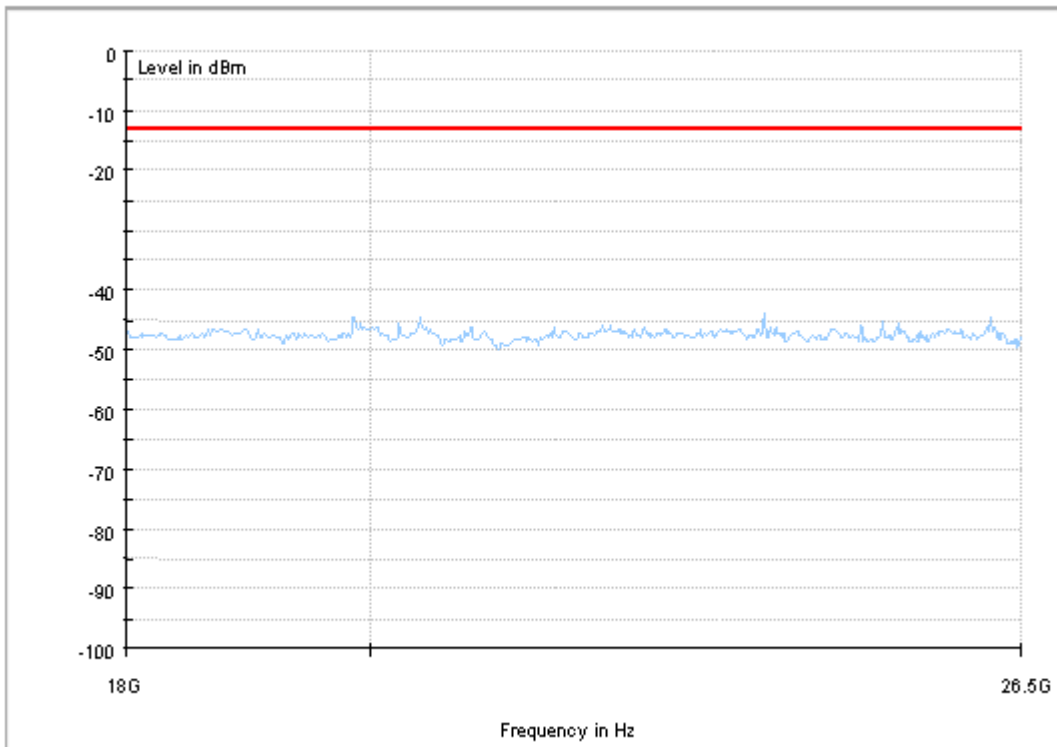
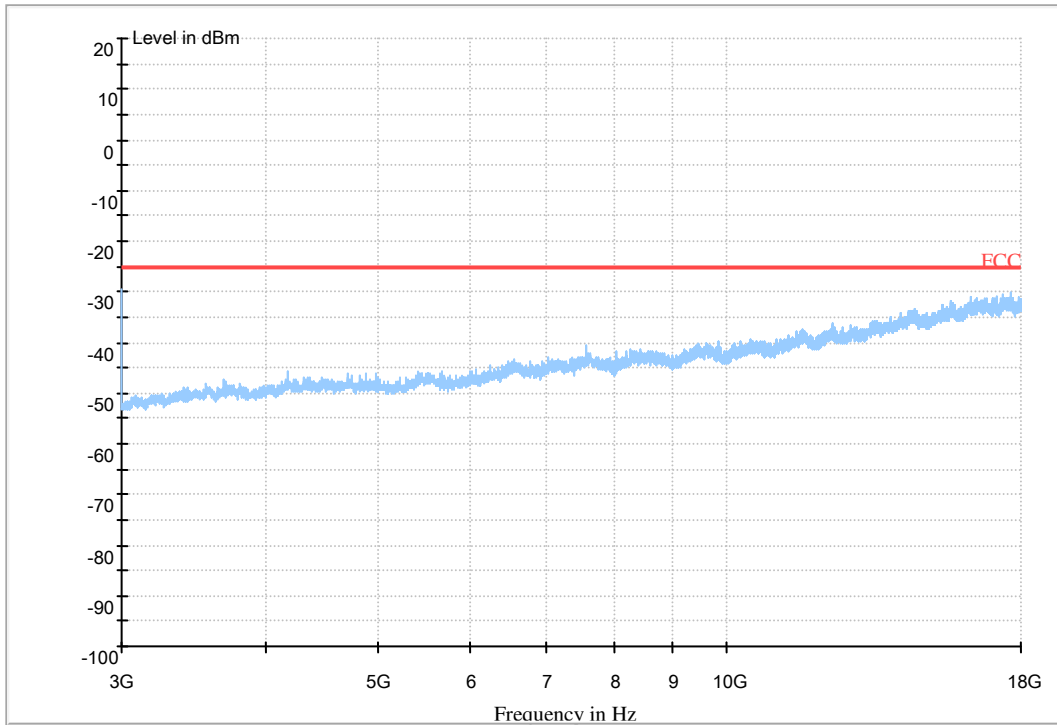
### 7.1.1.2 Test Bandwidth = 20



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	-0.47	-0.00019	PASS
					VN	0.27	0.00011	PASS
					VH	1.89	0.00076	PASS
			MCH	TN	VL	-0.92	-0.00036	PASS
					VN	-2.42	-0.00095	PASS
					VH	-3.62	-0.00143	PASS
			HCH	TN	VL	-0.92	-0.00036	PASS
					VN	2.10	0.00082	PASS
					VH	0.90	0.00035	PASS
		10	LCH	TN	VL	-3.39	-0.00135	PASS
					VN	-3.26	-0.0013	PASS
					VH	-2.57	-0.00103	PASS
			MCH	TN	VL	-3.12	-0.00123	PASS
					VN	-3.05	-0.0012	PASS
					VH	-3.91	-0.00154	PASS
			HCH	TN	VL	-3.98	-0.00155	PASS
					VN	-2.43	-0.00095	PASS
					VH	-3.38	-0.00132	PASS
		15	LCH	TN	VL	0.50	0.0002	PASS
					VN	0.87	0.00035	PASS
					VH	0.24	0.0001	PASS
			MCH	TN	VL	-1.54	-0.00061	PASS
					VN	-3.28	-0.00129	PASS
					VH	-3.22	-0.00127	PASS
			HCH	TN	VL	1.72	0.00067	PASS
					VN	1.14	0.00044	PASS
					VH	1.56	0.00061	PASS
20	LCH	TN	VL	0.60	0.00024	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VN	1.93	0.00077	PASS
					VH	1.96	0.00078	PASS
					VL	-1.83	-0.00072	PASS
					VN	-4.25	-0.00168	PASS
					VH	-2.80	-0.0011	PASS
					VH	-2.80	-0.0011	PASS
			HCH	TN	VL	-0.21	-0.00008	PASS
					VN	1.75	0.00068	PASS
					VH	1.03	0.0004	PASS
					VH	1.03	0.0004	PASS
					VH	1.03	0.0004	PASS
					VH	1.03	0.0004	PASS
	LTE/TM2	5	LCH	TN	VL	1.10	0.00044	PASS
					VN	1.16	0.00046	PASS
					VH	1.83	0.00073	PASS
					VL	-2.40	-0.00095	PASS
					VN	-3.85	-0.00152	PASS
					VH	-2.68	-0.00106	PASS
					VL	-1.54	-0.0006	PASS
					VN	1.04	0.00041	PASS
					VH	-2.59	-0.00101	PASS
			MCH	TN	VL	-3.53	-0.00141	PASS
					VN	-4.53	-0.00181	PASS
					VH	-2.90	-0.00116	PASS
					VL	-2.46	-0.00097	PASS
					VN	-4.12	-0.00163	PASS
					VH	-4.29	-0.00169	PASS
					VL	-4.05	-0.00158	PASS
					VN	-4.13	-0.00161	PASS
					VH	-5.24	-0.00204	PASS
		HCH	TN	VL	-3.53	-0.00141	PASS	
				VN	-4.53	-0.00181	PASS	
				VH	-2.90	-0.00116	PASS	
				VL	-2.46	-0.00097	PASS	
				VN	-4.12	-0.00163	PASS	
				VH	-4.29	-0.00169	PASS	
				VL	-4.05	-0.00158	PASS	
				VN	-4.13	-0.00161	PASS	
				VH	-5.24	-0.00204	PASS	
		10	LCH	TN	VL	1.14	0.00045	PASS
					VN	1.04	0.00041	PASS
					VH	0.69	0.00028	PASS
VL					-5.89	-0.00232	PASS	
VN					-2.68	-0.00106	PASS	
VH					-4.56	-0.0018	PASS	
MCH			TN	VL	1.54	0.0006	PASS	
				VN	1.16	0.00045	PASS	
				VH	1.83	0.00071	PASS	
	VL			3.36	0.00134	PASS		
	VN			1.27	0.00051	PASS		
	VH			2.20	0.00088	PASS		
HCH	TN	VL	-3.96	-0.00156	PASS			
		VN	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			
15	LCH	TN	VL	1.14	0.00045	PASS		
			VN	1.04	0.00041	PASS		
			VH	0.69	0.00028	PASS		
			VL	-5.89	-0.00232	PASS		
			VN	-2.68	-0.00106	PASS		
			VH	-4.56	-0.0018	PASS		
	MCH	TN	VL	1.54	0.0006	PASS		
			VN	1.16	0.00045	PASS		
			VH	1.83	0.00071	PASS		
			VL	3.36	0.00134	PASS		
			VN	1.27	0.00051	PASS		
			VH	2.20	0.00088	PASS		
HCH	TN	VL	-3.96	-0.00156	PASS			
		VN	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			
20	LCH	TN	VL	1.14	0.00045	PASS		
			VN	1.04	0.00041	PASS		
			VH	0.69	0.00028	PASS		
			VL	-5.89	-0.00232	PASS		
			VN	-2.68	-0.00106	PASS		
			VH	-4.56	-0.0018	PASS		
	MCH	TN	VL	1.54	0.0006	PASS		
			VN	1.16	0.00045	PASS		
			VH	1.83	0.00071	PASS		
			VL	3.36	0.00134	PASS		
			VN	1.27	0.00051	PASS		
			VH	2.20	0.00088	PASS		
HCH	TN	VL	-3.96	-0.00156	PASS			
		VN	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			
		VH	-3.96	-0.00156	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-2.72	-0.00107	PASS
					VH	-2.63	-0.00104	PASS
			HCH	TN	VL	0.20	0.00008	PASS
					VN	0.56	0.00022	PASS
					VH	1.52	0.00059	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	1.12	0.00045	PASS
					-20	3.25	0.0013	PASS
					-10	2.65	0.00106	PASS
					0	1.95	0.00078	PASS
					10	1.40	0.00056	PASS
					20	-0.10	-0.00004	PASS
					30	0.63	0.00025	PASS
					40	1.90	0.00076	PASS
			50	0.26	0.0001	PASS		
			MCH	VN	-30	-2.50	-0.00099	PASS
					-20	-2.92	-0.00115	PASS
					-10	-3.81	-0.0015	PASS
					0	-3.42	-0.00135	PASS
					10	-5.05	-0.00199	PASS
					20	-3.19	-0.00126	PASS
					30	-2.29	-0.0009	PASS
					40	-4.45	-0.00176	PASS
			50	-1.50	-0.00059	PASS		
			HCH	VN	-30	0.17	0.00007	PASS
					-20	-1.32	-0.00051	PASS
					-10	0.07	0.00003	PASS
					0	-0.36	-0.00014	PASS
					10	-0.49	-0.00019	PASS
					20	-1.72	-0.00067	PASS
		30			-2.52	-0.00098	PASS	
		40			0.17	0.00007	PASS	
		50	-2.36	-0.00092	PASS			
		10	LCH	VN	-30	-3.33	-0.00133	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-2.52	-0.00101	PASS	
					-10	-3.73	-0.00149	PASS	
					0	-1.00	-0.0004	PASS	
					10	-3.30	-0.00132	PASS	
					20	-3.89	-0.00155	PASS	
					30	-2.59	-0.00103	PASS	
					40	-2.06	-0.00082	PASS	
					50	-3.09	-0.00123	PASS	
			MCH	VN	-30	-2.73	-0.00108	PASS	
					-20	-3.56	-0.0014	PASS	
					-10	-4.21	-0.00166	PASS	
					0	-4.03	-0.00159	PASS	
					10	-3.86	-0.00152	PASS	
					20	-2.86	-0.00113	PASS	
					30	-2.25	-0.00089	PASS	
					40	-2.37	-0.00093	PASS	
			HCH	VN	-30	-4.15	-0.00162	PASS	
					-20	-3.89	-0.00152	PASS	
					-10	-3.23	-0.00126	PASS	
					0	-3.78	-0.00147	PASS	
					10	-2.63	-0.00103	PASS	
					20	-3.00	-0.00117	PASS	
					30	-2.30	-0.0009	PASS	
					40	-4.91	-0.00191	PASS	
			15	LCH	VN	-30	-0.26	-0.0001	PASS
						-20	0.44	0.00018	PASS
						-10	0.67	0.00027	PASS
						0	-0.76	-0.0003	PASS
		10				1.75	0.0007	PASS	
		20				3.15	0.00126	PASS	
		30				0.49	0.0002	PASS	
		40				0.79	0.00032	PASS	
		50		0.06	0.00002	PASS			
		MCH		VN	-30	-3.56	-0.0014	PASS	
					-20	-3.95	-0.00156	PASS	
					-10	-1.99	-0.00079	PASS	
			0		-3.48	-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	-3.08	-0.00121	PASS
					20	-3.92	-0.00155	PASS
					30	-4.01	-0.00158	PASS
					40	-3.36	-0.00133	PASS
					50	-2.20	-0.00087	PASS
			HCH	VN	-30	2.56	0.001	PASS
					-20	1.20	0.00047	PASS
					-10	1.72	0.00067	PASS
					0	1.83	0.00071	PASS
					10	2.35	0.00092	PASS
					20	0.59	0.00023	PASS
					30	1.50	0.00059	PASS
					40	1.10	0.00043	PASS
					50	2.47	0.00096	PASS
					LCH	VN	-30	1.52
			-20	-0.13			-0.00005	PASS
			-10	0.99			0.00039	PASS
			0	3.76			0.0015	PASS
			10	1.95			0.00078	PASS
			20	1.89			0.00075	PASS
		30	0.83	0.00033			PASS	
		40	1.86	0.00074			PASS	
		MCH	VN	50	0.82	0.00033	PASS	
				-30	-2.95	-0.00116	PASS	
				-20	-2.52	-0.00099	PASS	
				-10	-3.72	-0.00147	PASS	
				0	-1.63	-0.00064	PASS	
				10	-2.78	-0.0011	PASS	
				20	-3.66	-0.00144	PASS	
				30	-3.15	-0.00124	PASS	
		HCH	VN	40	-3.48	-0.00137	PASS	
				50	-2.32	-0.00092	PASS	
				-30	1.22	0.00048	PASS	
				-20	1.42	0.00055	PASS	
				-10	-0.01	0	PASS	
				0	0.56	0.00022	PASS	
				10	0.64	0.00025	PASS	
		20	0.01	0	PASS			
		30	0.54	0.00021	PASS			
		20						

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	LCH	VN	40	-1.02	-0.0004	PASS
					50	-0.53	-0.00021	PASS
					-30	0.37	0.00015	PASS
					-20	3.16	0.00126	PASS
					-10	1.93	0.00077	PASS
					0	-1.47	-0.00059	PASS
					10	0.20	0.00008	PASS
					20	0.97	0.00039	PASS
					30	2.88	0.00115	PASS
			40	0.92	0.00037	PASS		
			50	-0.54	-0.00022	PASS		
			MCH	VN	-30	-2.82	-0.00111	PASS
					-20	-1.92	-0.00076	PASS
					-10	-4.51	-0.00178	PASS
					0	-2.99	-0.00118	PASS
					10	-3.95	-0.00156	PASS
					20	-4.25	-0.00168	PASS
					30	-2.62	-0.00103	PASS
		40			-1.63	-0.00064	PASS	
		50			-5.56	-0.00219	PASS	
		HCH	VN	-30	0.07	0.00003	PASS	
				-20	-0.51	-0.0002	PASS	
				-10	1.40	0.00055	PASS	
				0	0.64	0.00025	PASS	
				10	0.63	0.00025	PASS	
				20	-0.10	-0.00004	PASS	
				30	-1.16	-0.00045	PASS	
				40	-0.59	-0.00023	PASS	
				50	0.23	0.00009	PASS	
		10	LCH	VN	-30	-3.40	-0.00136	PASS
					-20	-2.35	-0.00094	PASS
					-10	-3.22	-0.00129	PASS
0	-1.65				-0.00066	PASS		
10	-3.05				-0.00122	PASS		
20	-2.75				-0.0011	PASS		
30	-3.91				-0.00156	PASS		
40	-3.18				-0.00127	PASS		
50	-3.30				-0.00132	PASS		
MCH	VN		-30	-1.96	-0.00077	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15			-20	-1.89	-0.00075	PASS
					-10	-3.65	-0.00144	PASS
					0	-2.60	-0.00103	PASS
					10	-2.12	-0.00084	PASS
					20	-4.12	-0.00163	PASS
					30	-2.29	-0.0009	PASS
					40	-3.63	-0.00143	PASS
					50	-3.52	-0.00139	PASS
			HCH	VN	-30	-4.52	-0.00176	PASS
					-20	-3.25	-0.00127	PASS
					-10	-2.50	-0.00097	PASS
					0	-3.09	-0.0012	PASS
					10	-4.39	-0.00171	PASS
					20	-4.26	-0.00166	PASS
					30	-3.49	-0.00136	PASS
					40	-2.76	-0.00108	PASS
			LCH	VN	-30	-0.40	-0.00016	PASS
					-20	0.90	0.00036	PASS
					-10	1.10	0.00044	PASS
					0	-0.04	-0.00002	PASS
					10	1.17	0.00047	PASS
					20	-1.07	-0.00043	PASS
					30	-0.07	-0.00003	PASS
					40	1.36	0.00054	PASS
			MCH	VN	-30	-3.25	-0.00128	PASS
					-20	-3.92	-0.00155	PASS
					-10	-2.60	-0.00103	PASS
					0	-3.56	-0.0014	PASS
		10			-3.15	-0.00124	PASS	
		20			-4.09	-0.00161	PASS	
		30			-3.79	-0.0015	PASS	
		40			-4.22	-0.00166	PASS	
		HCH	VN	-30	2.80	0.00109	PASS	
				-20	1.42	0.00055	PASS	
				-10	2.25	0.00088	PASS	
				0	2.78	0.00108	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	0.87	0.00034	PASS			
					20	2.73	0.00107	PASS			
					30	2.00	0.00078	PASS			
					40	1.46	0.00057	PASS			
					50	1.90	0.00074	PASS			
					20	LCH	VN	-30	2.05	0.00082	PASS
								-20	3.08	0.00123	PASS
								-10	1.26	0.0005	PASS
								0	1.26	0.0005	PASS
								10	1.10	0.00044	PASS
		20	2.43	0.00097				PASS			
		30	2.47	0.00098				PASS			
		40	1.43	0.00057				PASS			
		50	2.86	0.00114				PASS			
		20	MCH	VN				-30	-3.60	-0.00142	PASS
					-20	-3.72	-0.00147	PASS			
					-10	-3.08	-0.00121	PASS			
					0	-3.22	-0.00127	PASS			
					10	-4.13	-0.00163	PASS			
					20	-3.86	-0.00152	PASS			
					30	-3.72	-0.00147	PASS			
					40	-4.36	-0.00172	PASS			
					50	-2.96	-0.00117	PASS			
					20	HCH	VN	-30	1.37	0.00054	PASS
		-20	1.04	0.00041				PASS			
		-10	1.09	0.00043				PASS			
		0	-1.06	-0.00041				PASS			
		10	-0.76	-0.0003				PASS			
		20	2.30	0.0009				PASS			
		30	0.40	0.00016				PASS			
		40	1.10	0.00043				PASS			
		50	0.66	0.00026	PASS						

END