

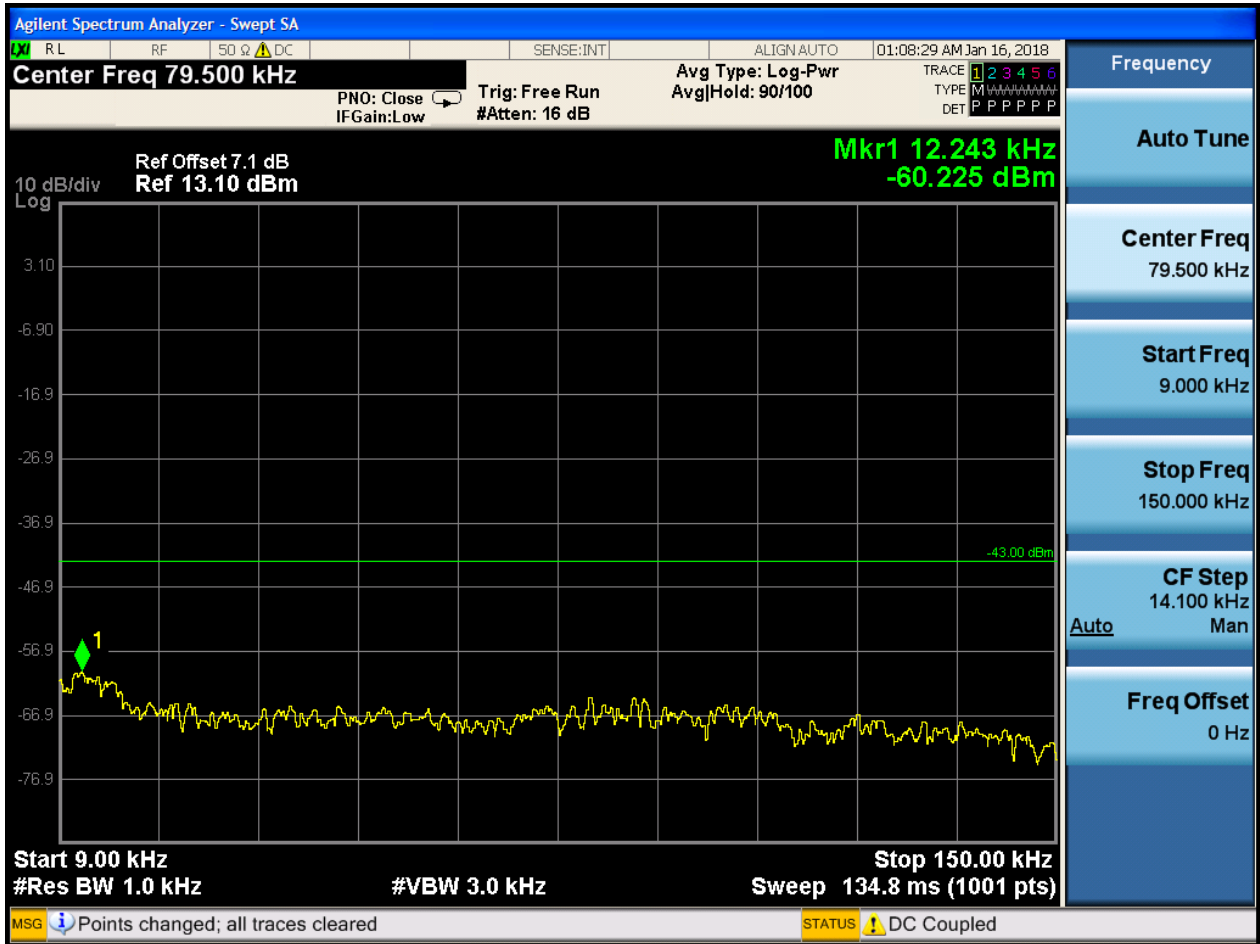


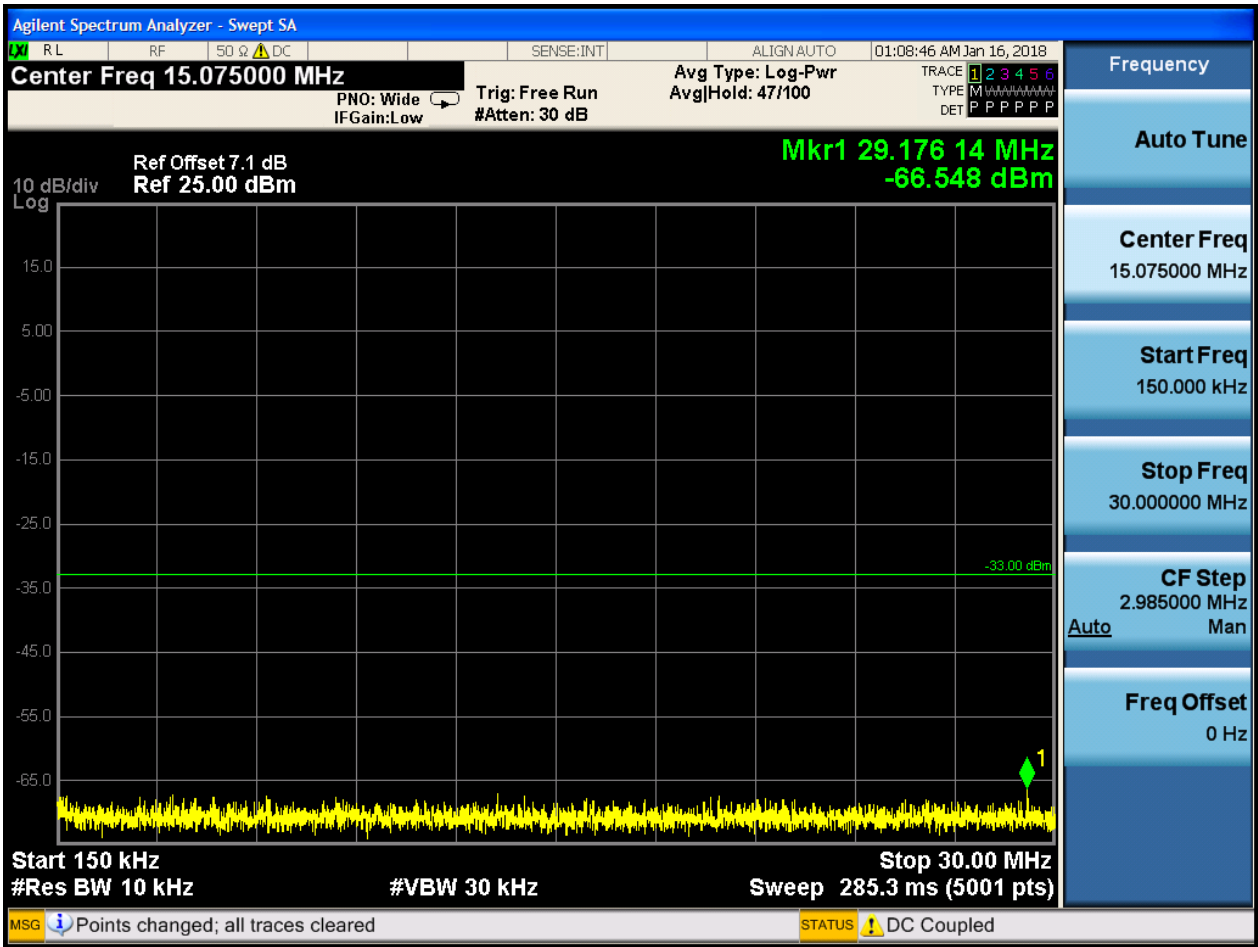
6.1.1.2 Test Mode = LTE/TM2

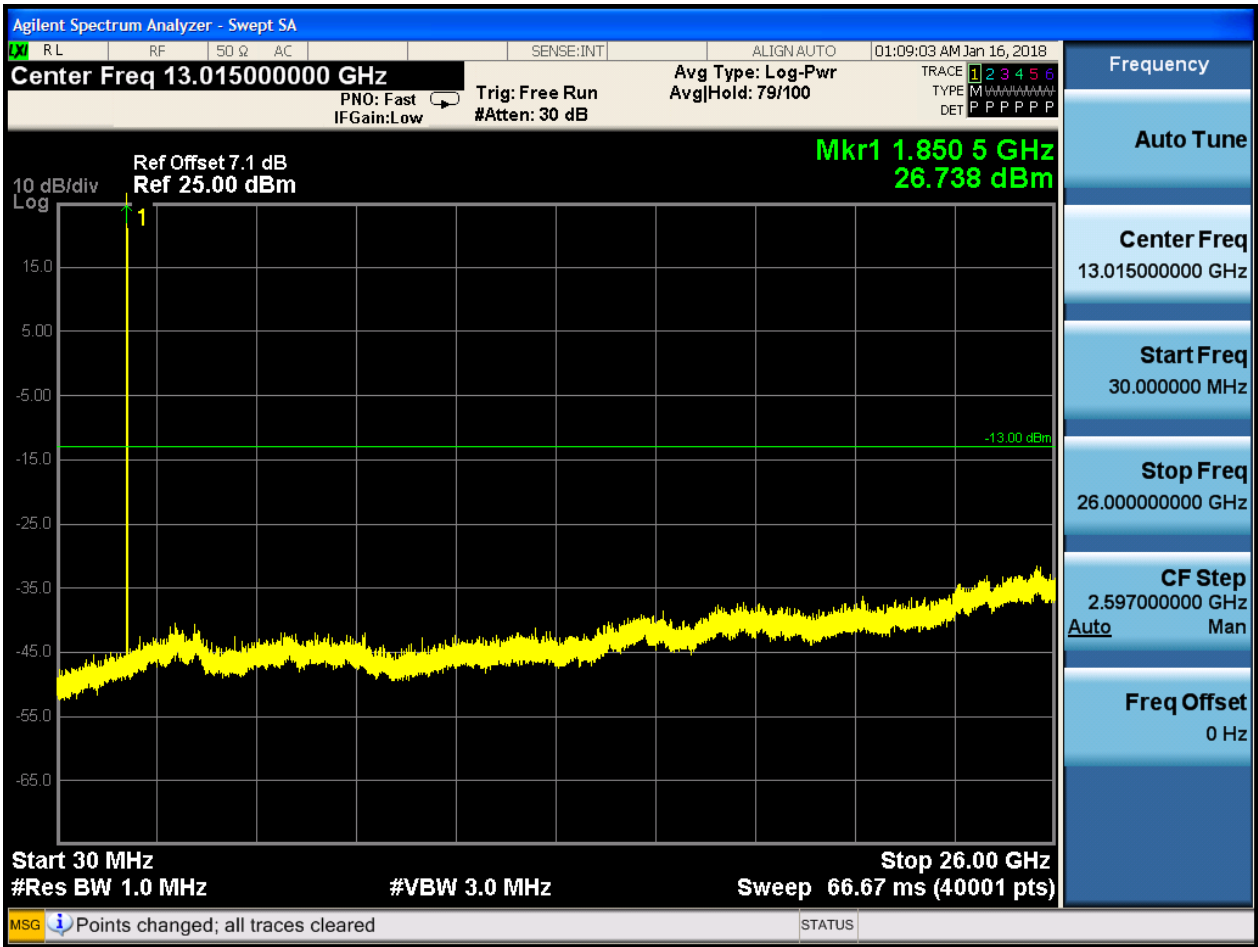
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



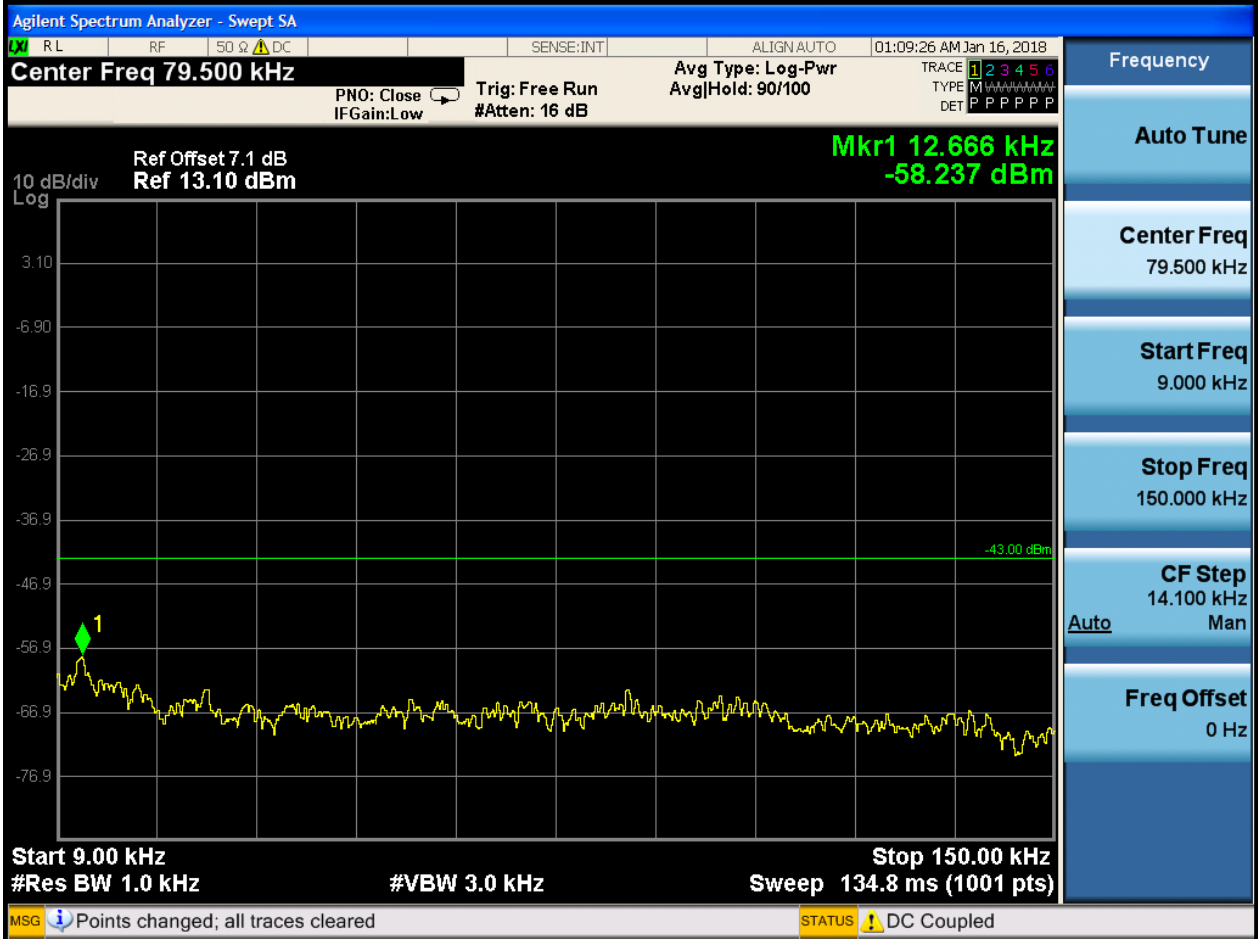


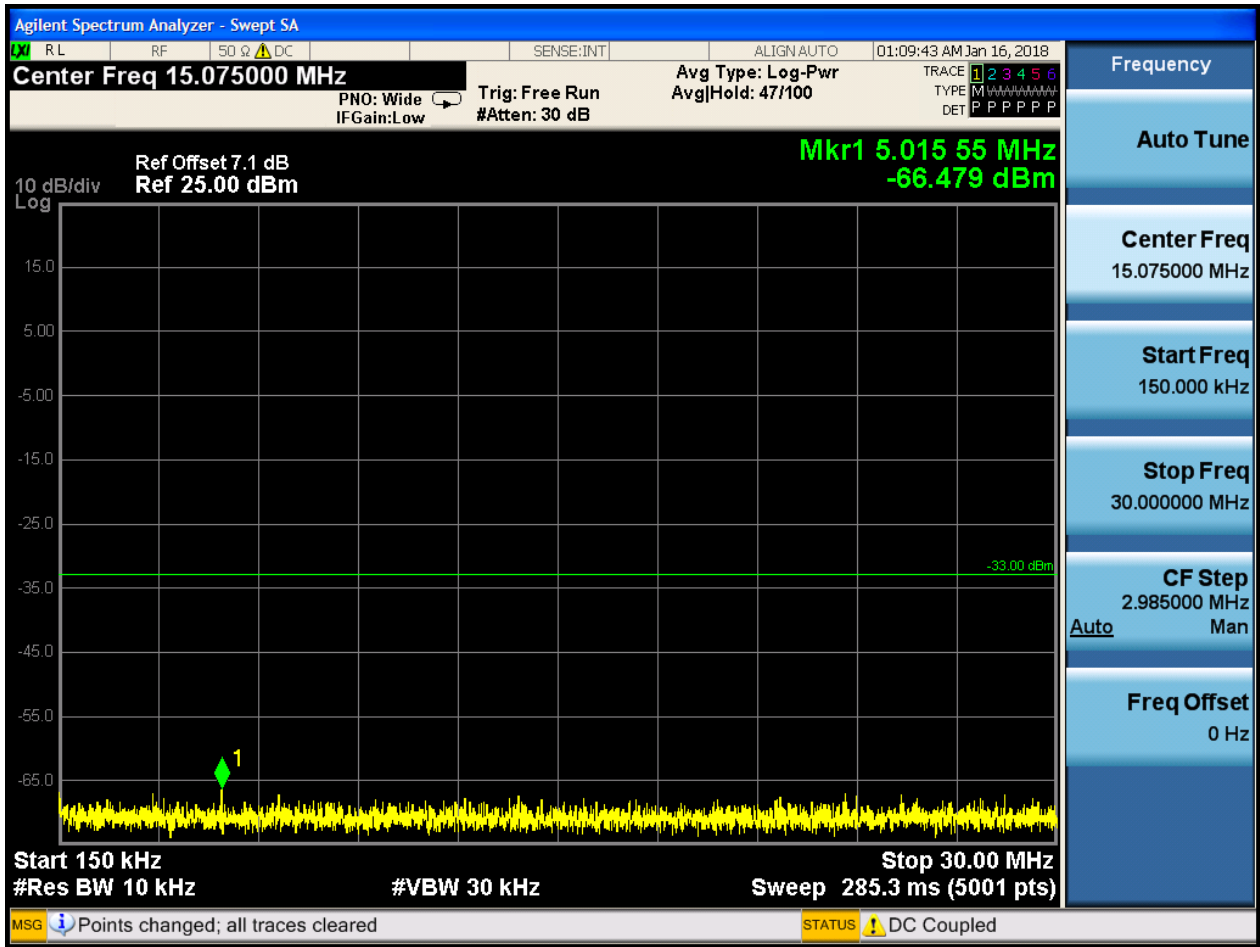


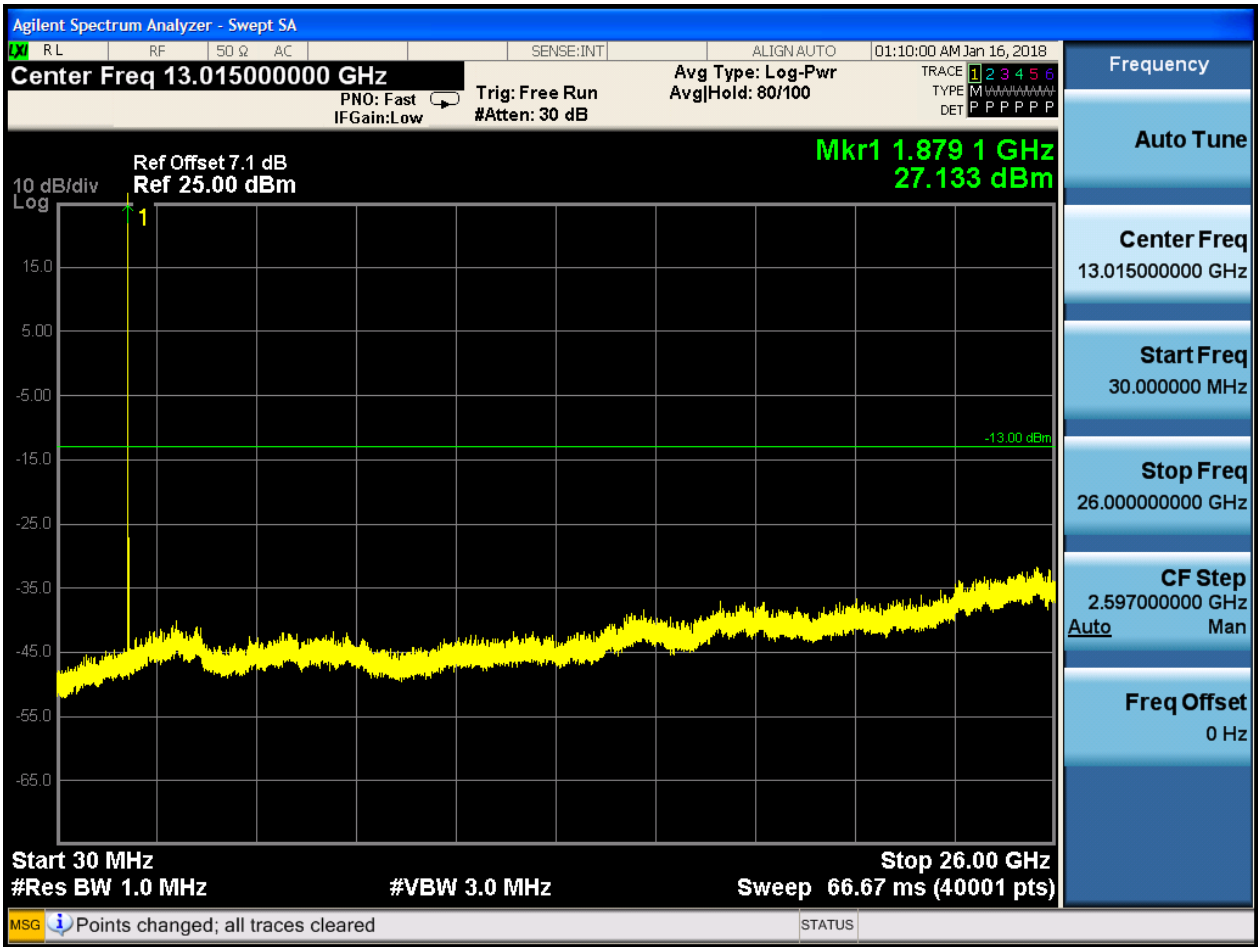


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



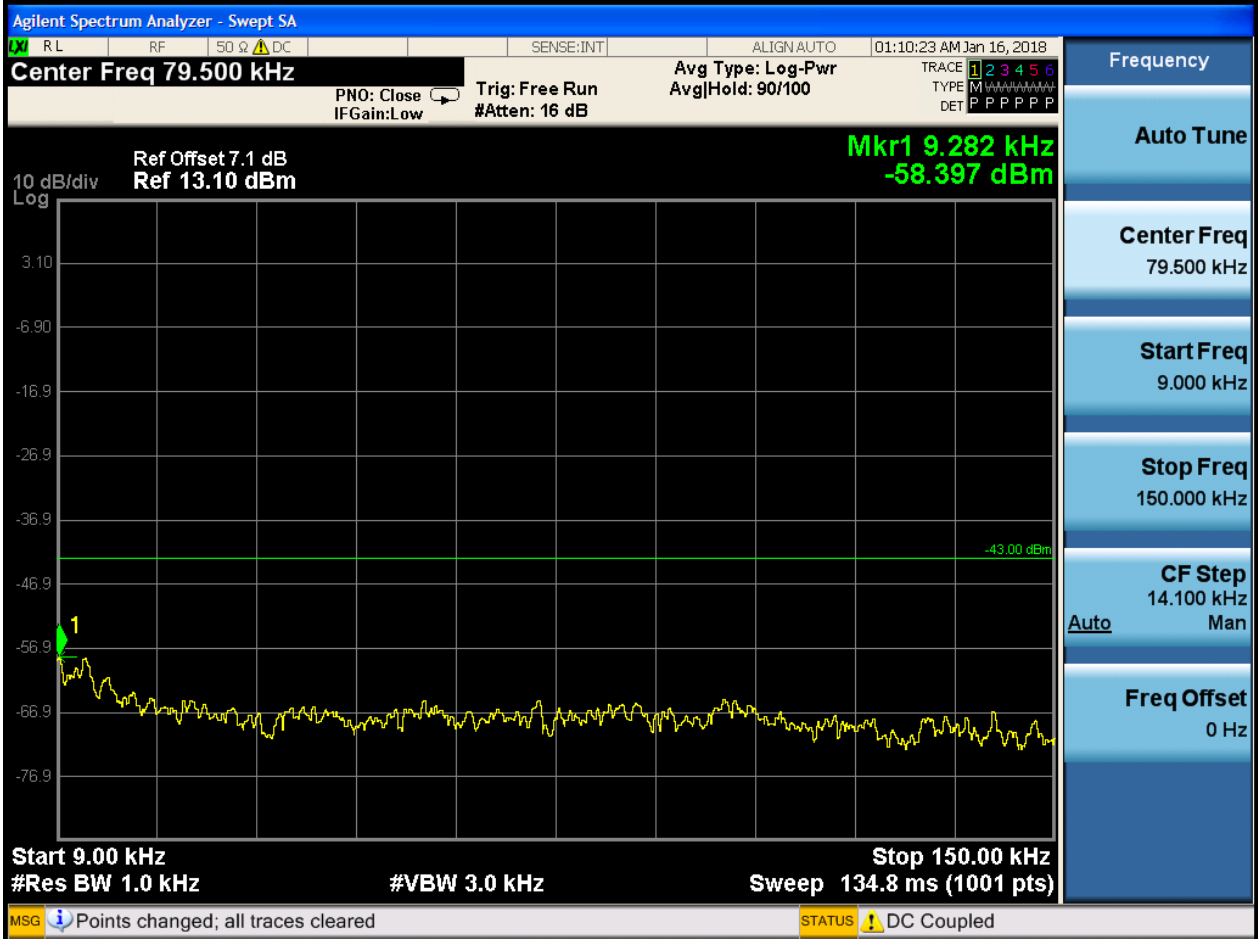


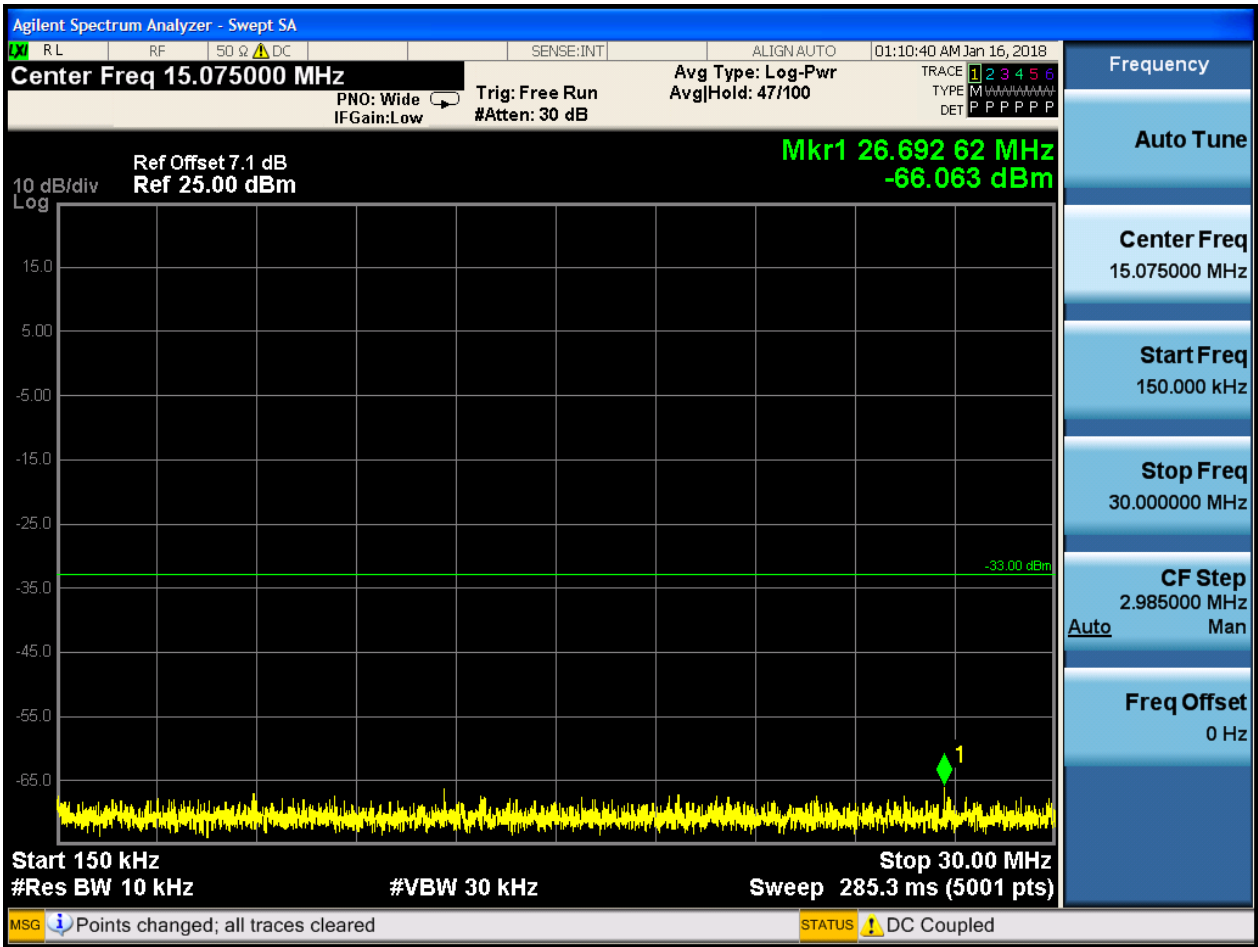


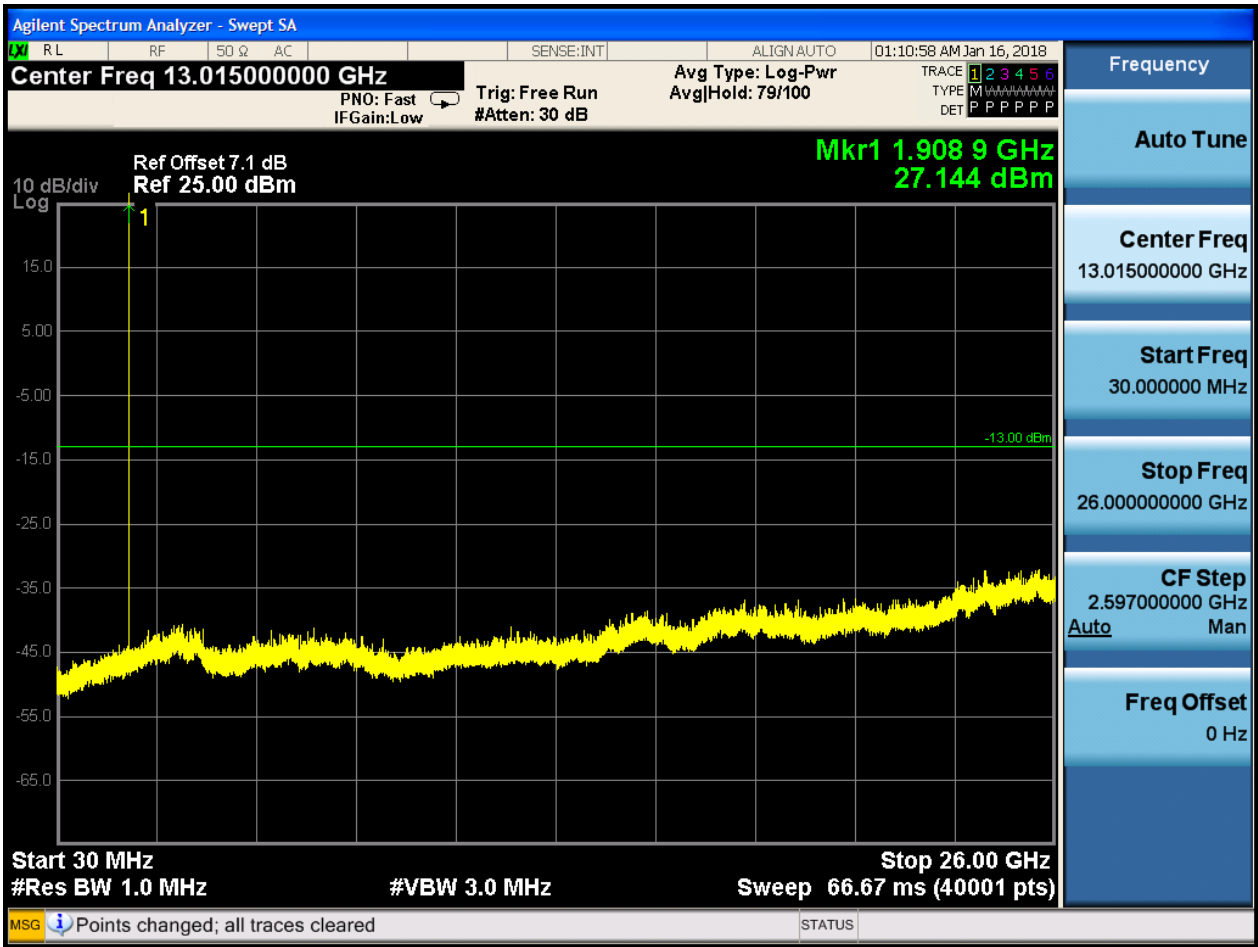


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





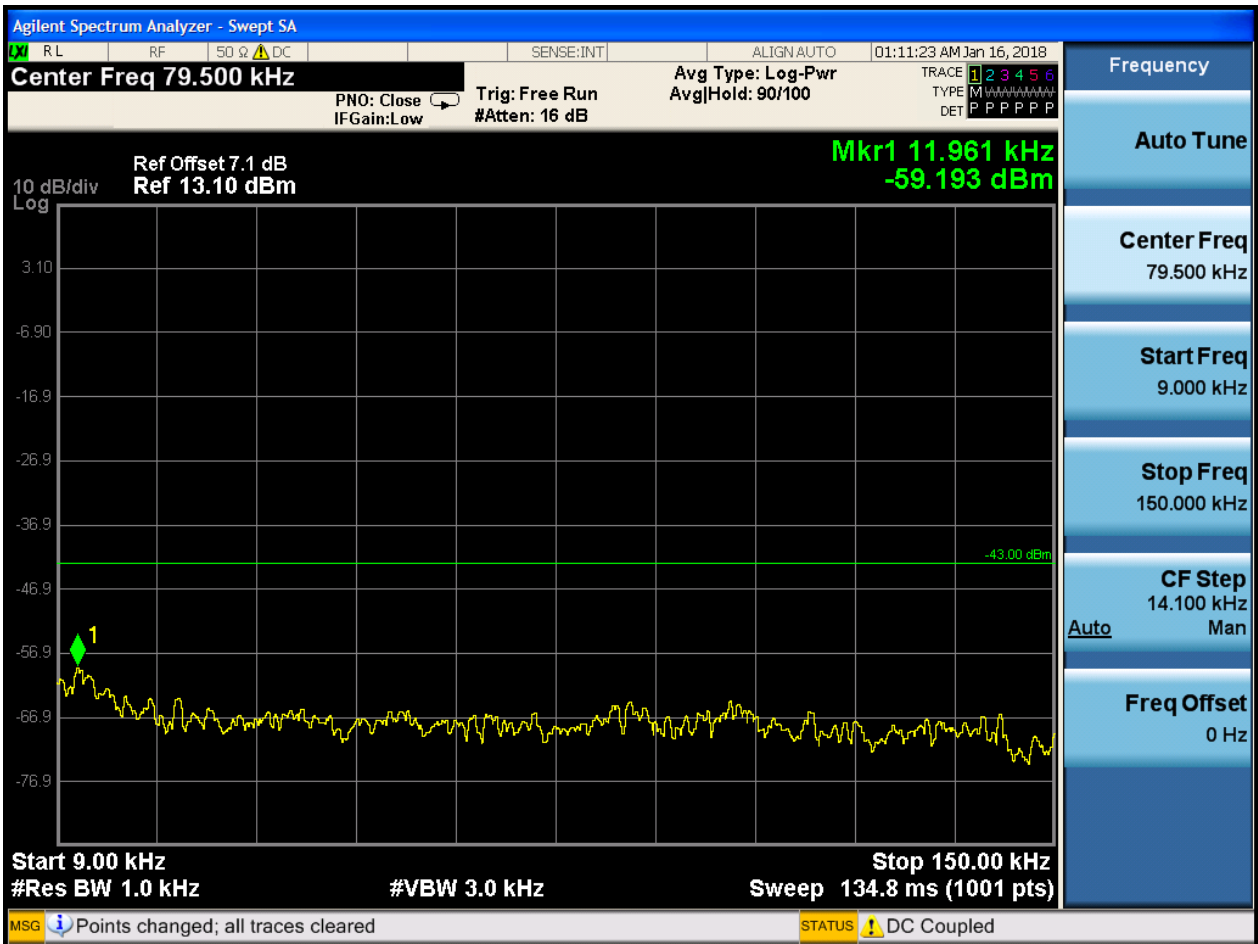


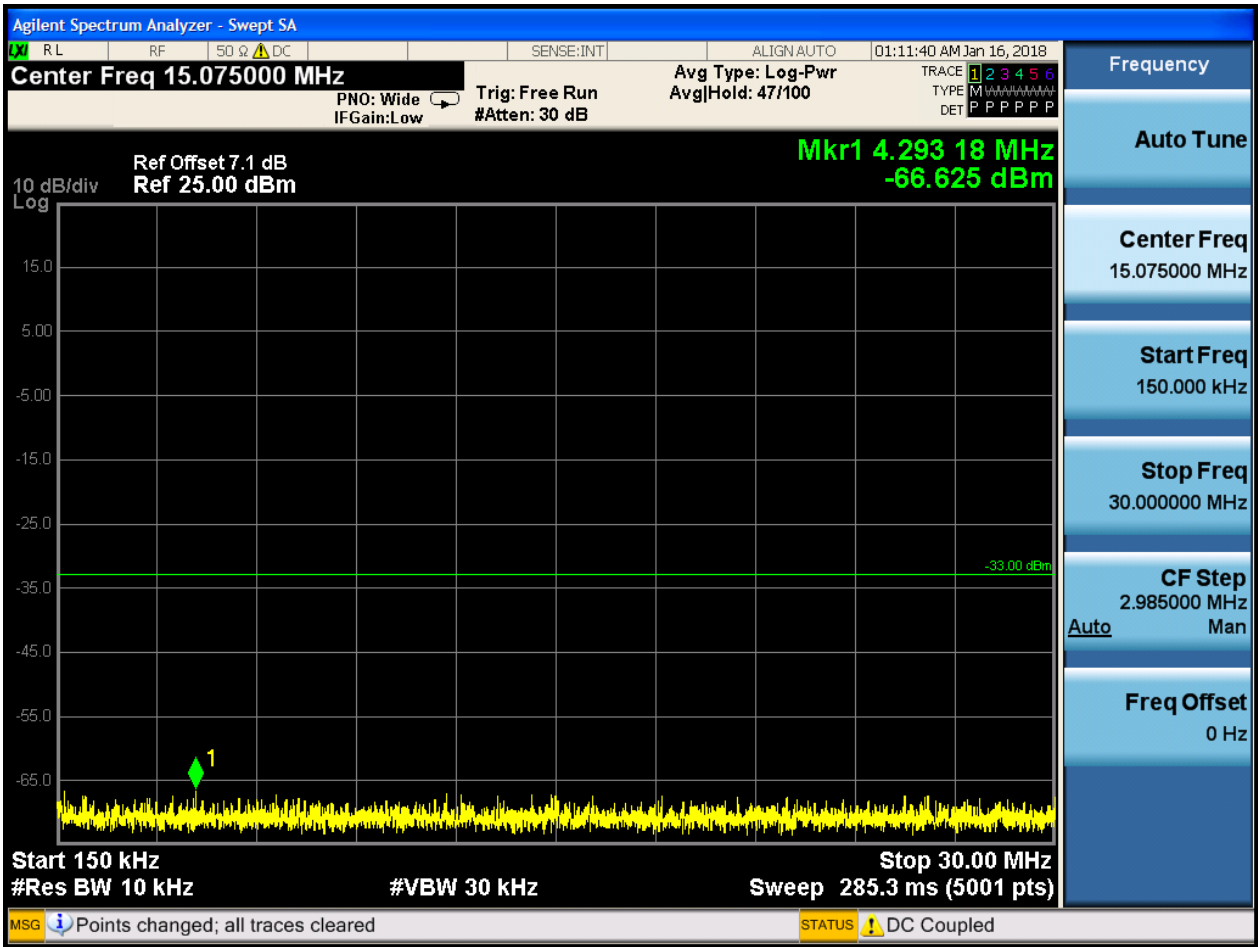


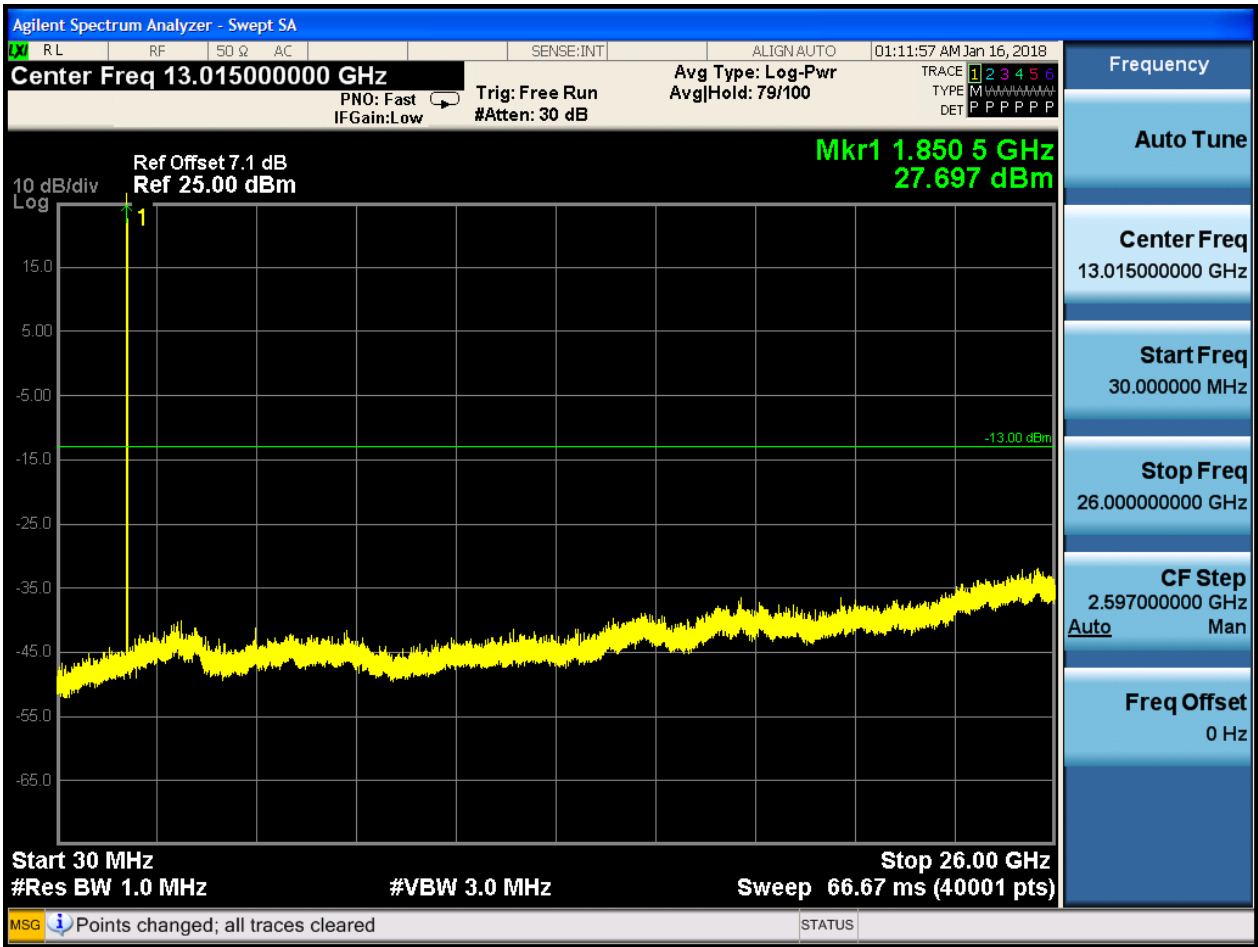
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



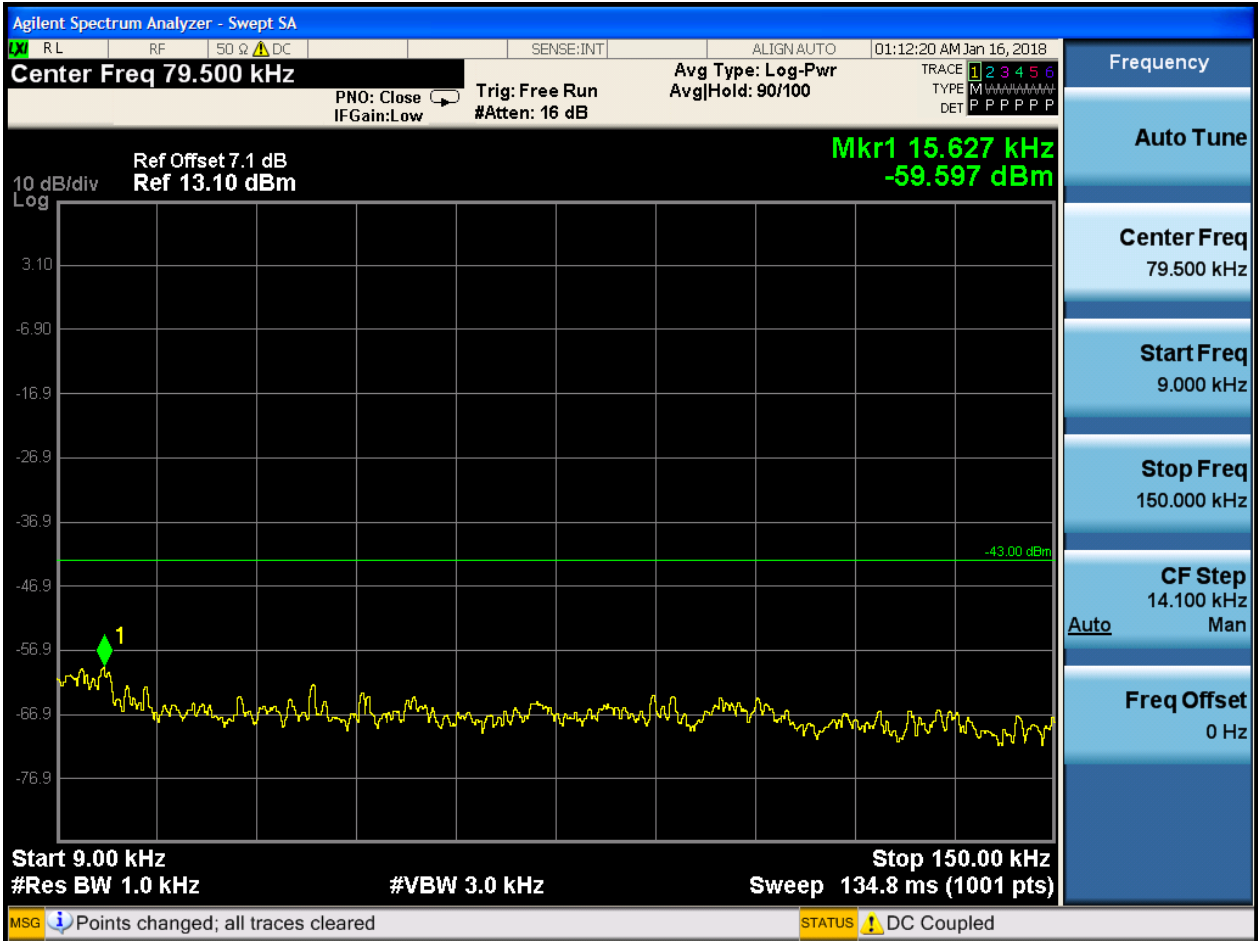


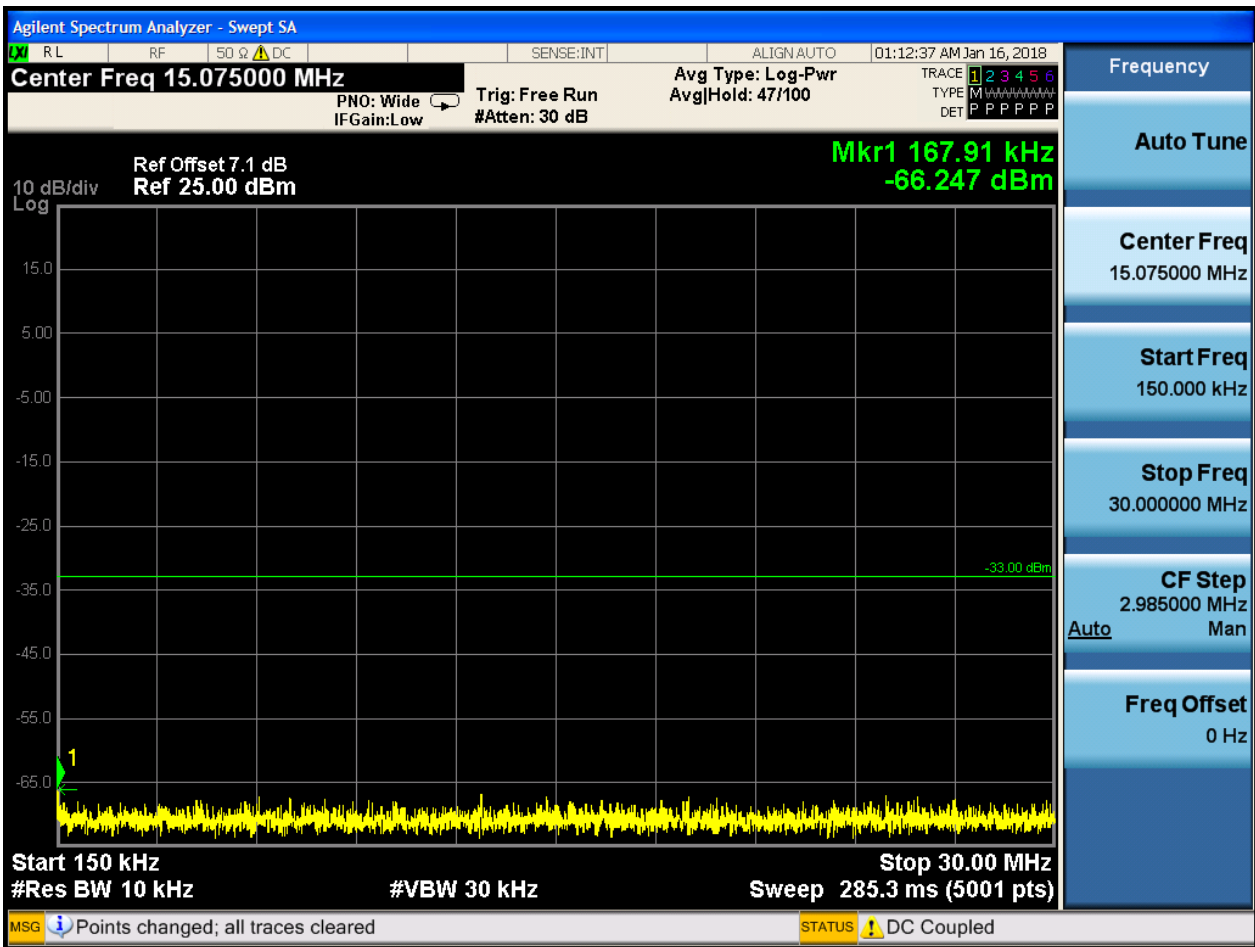




6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0





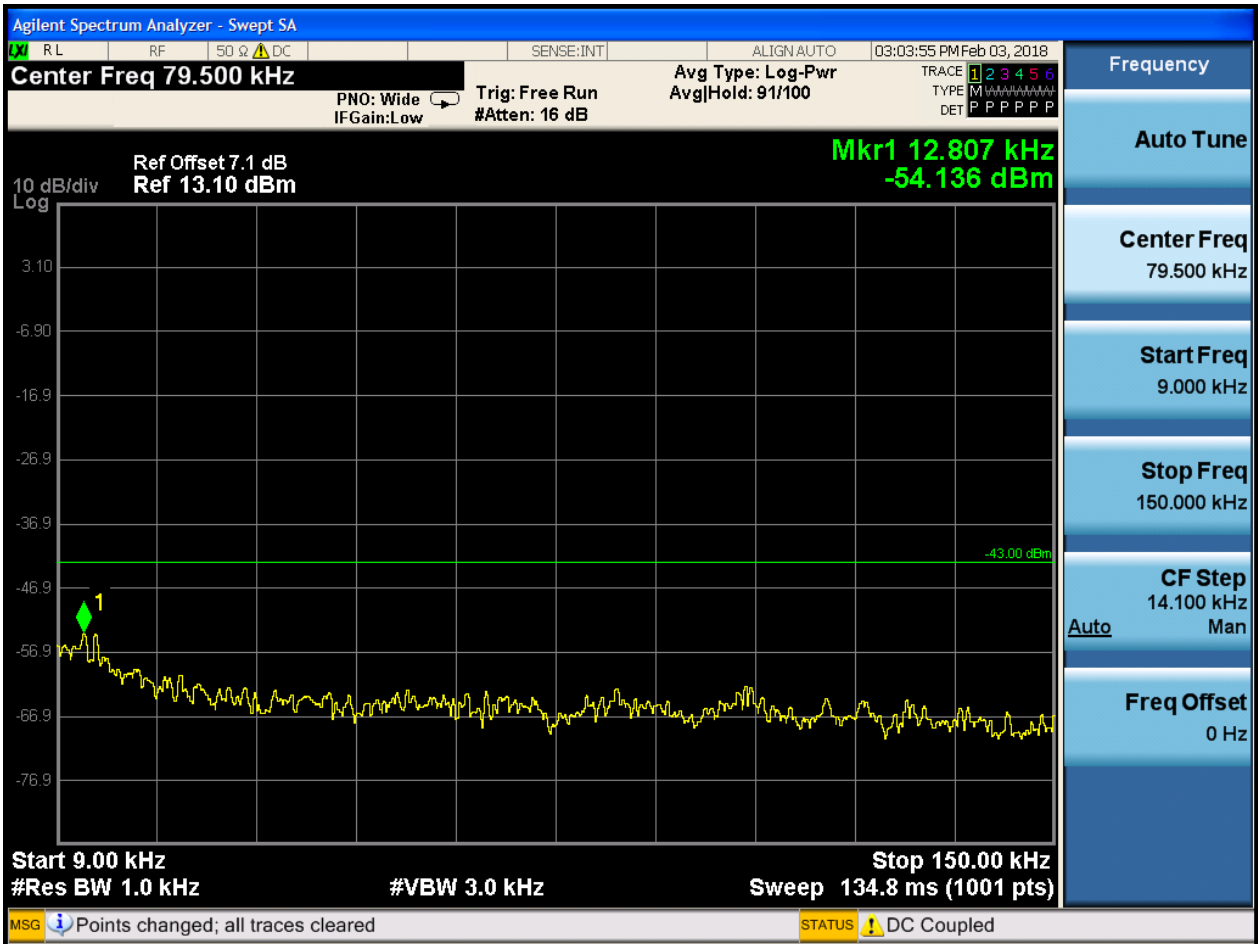


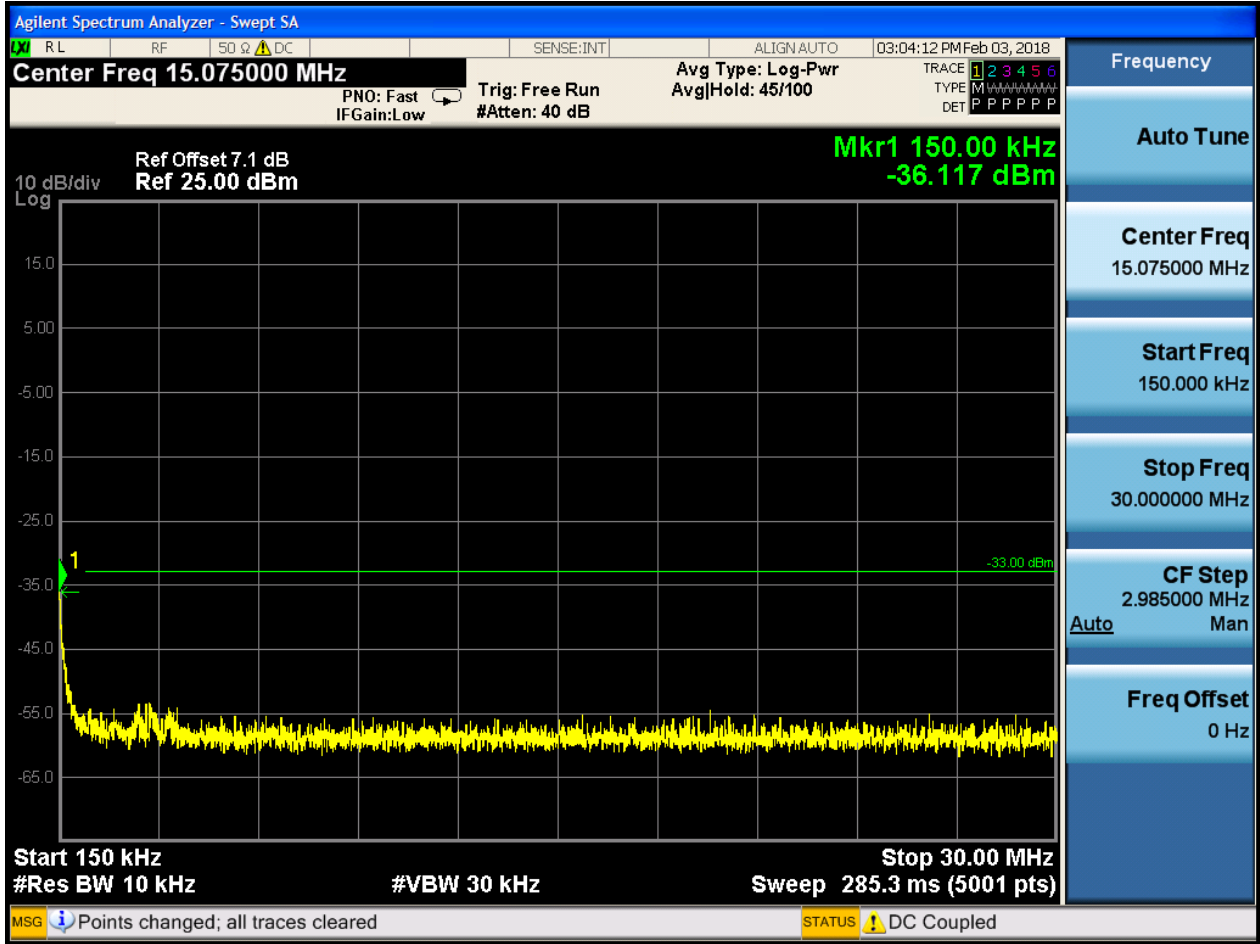


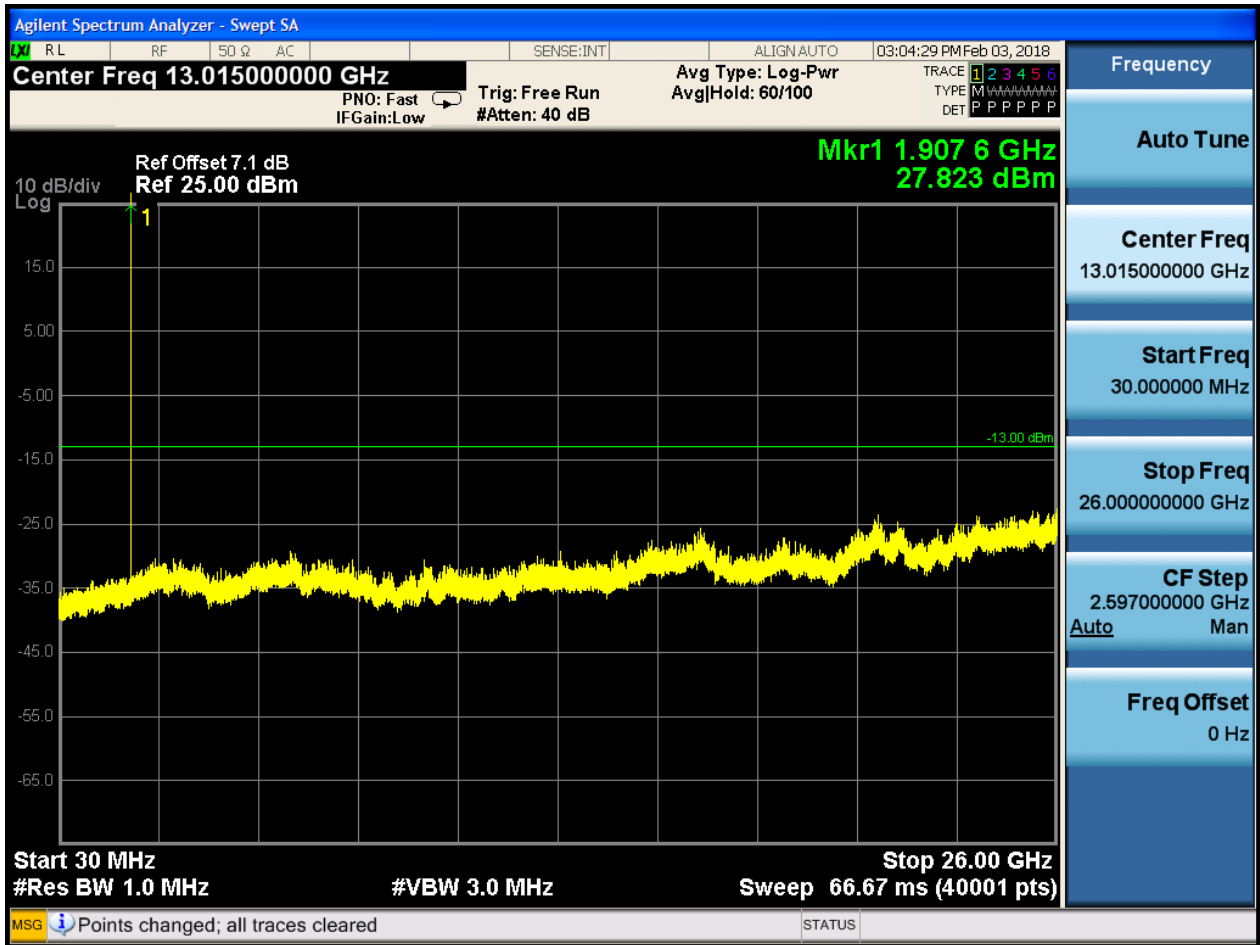


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





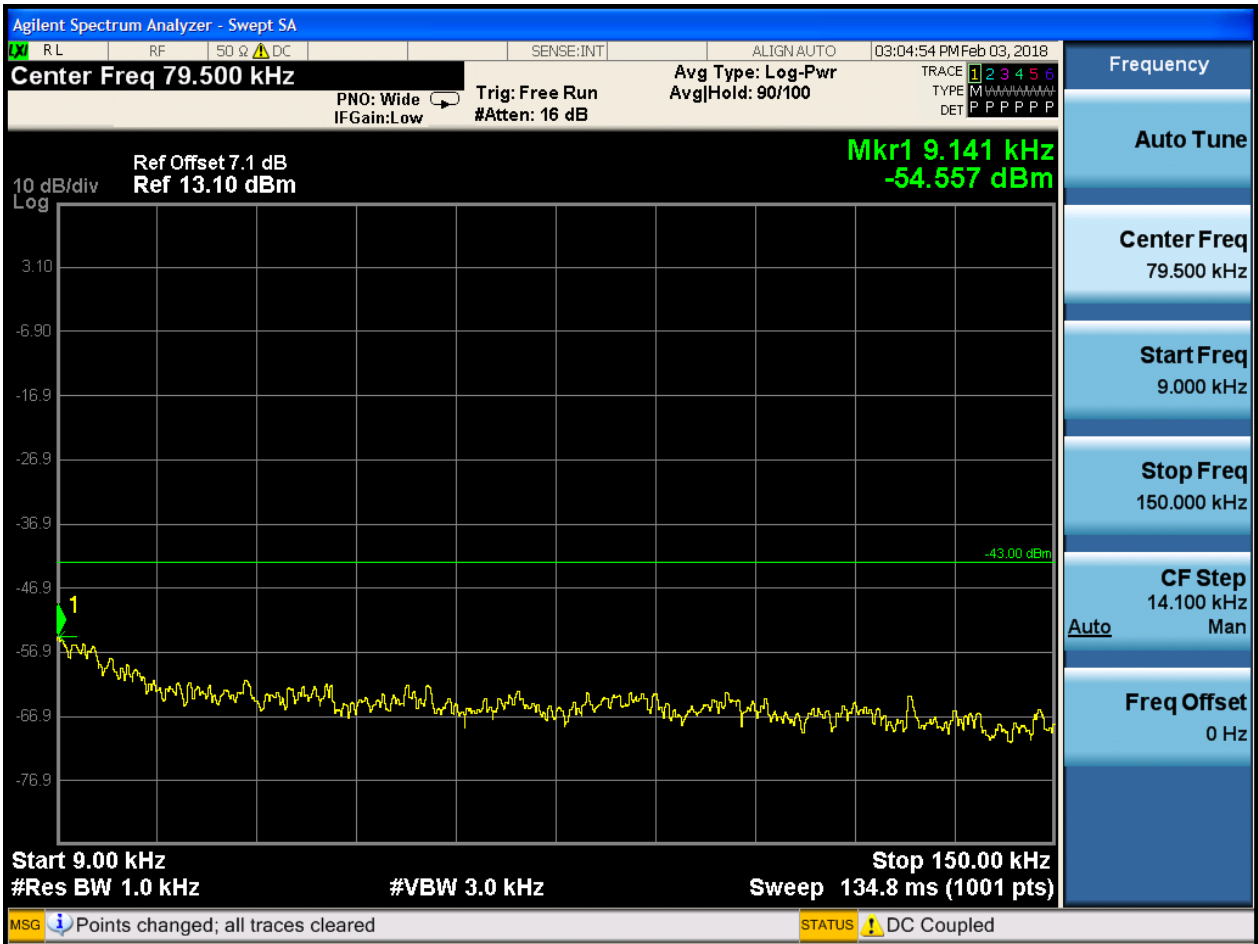


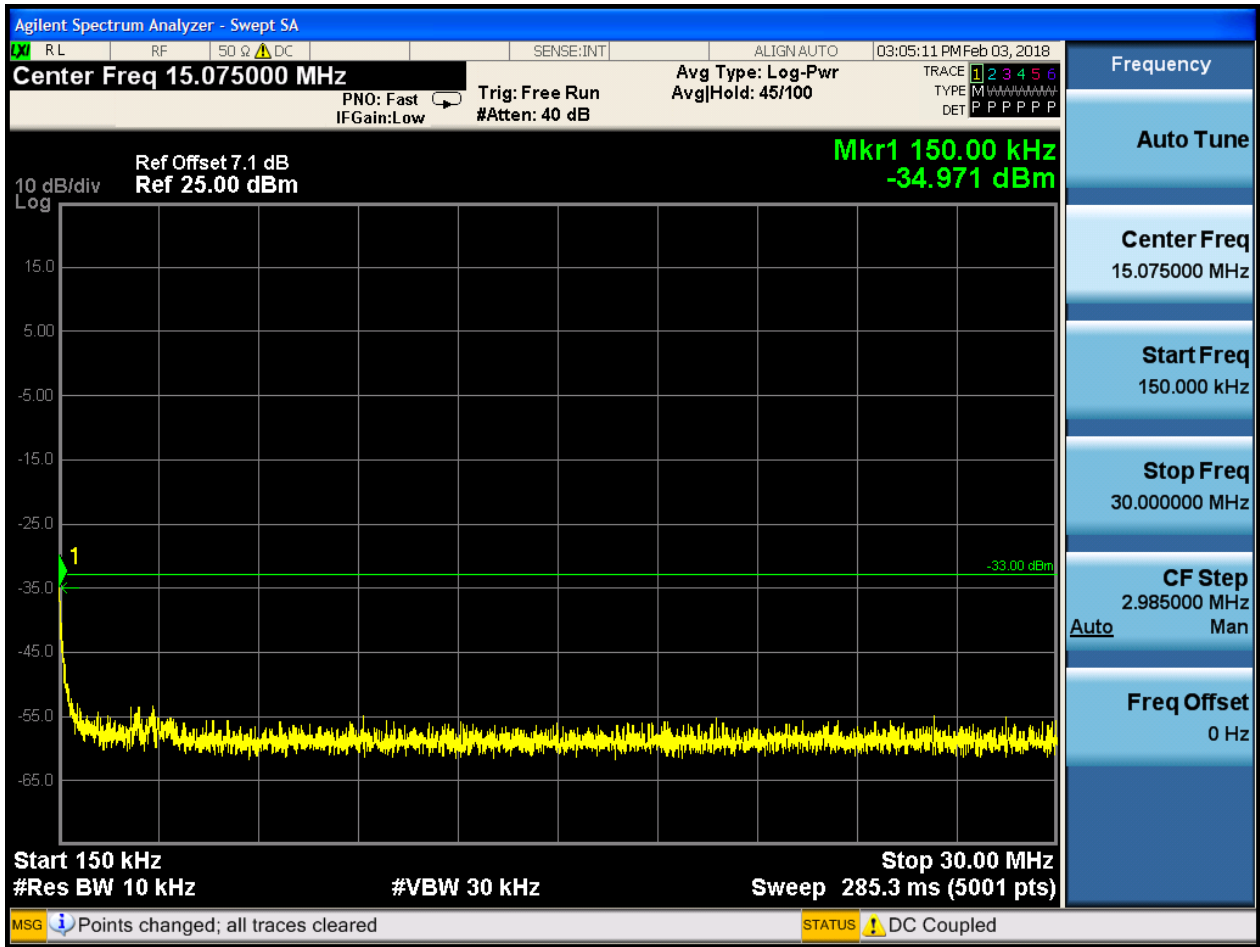


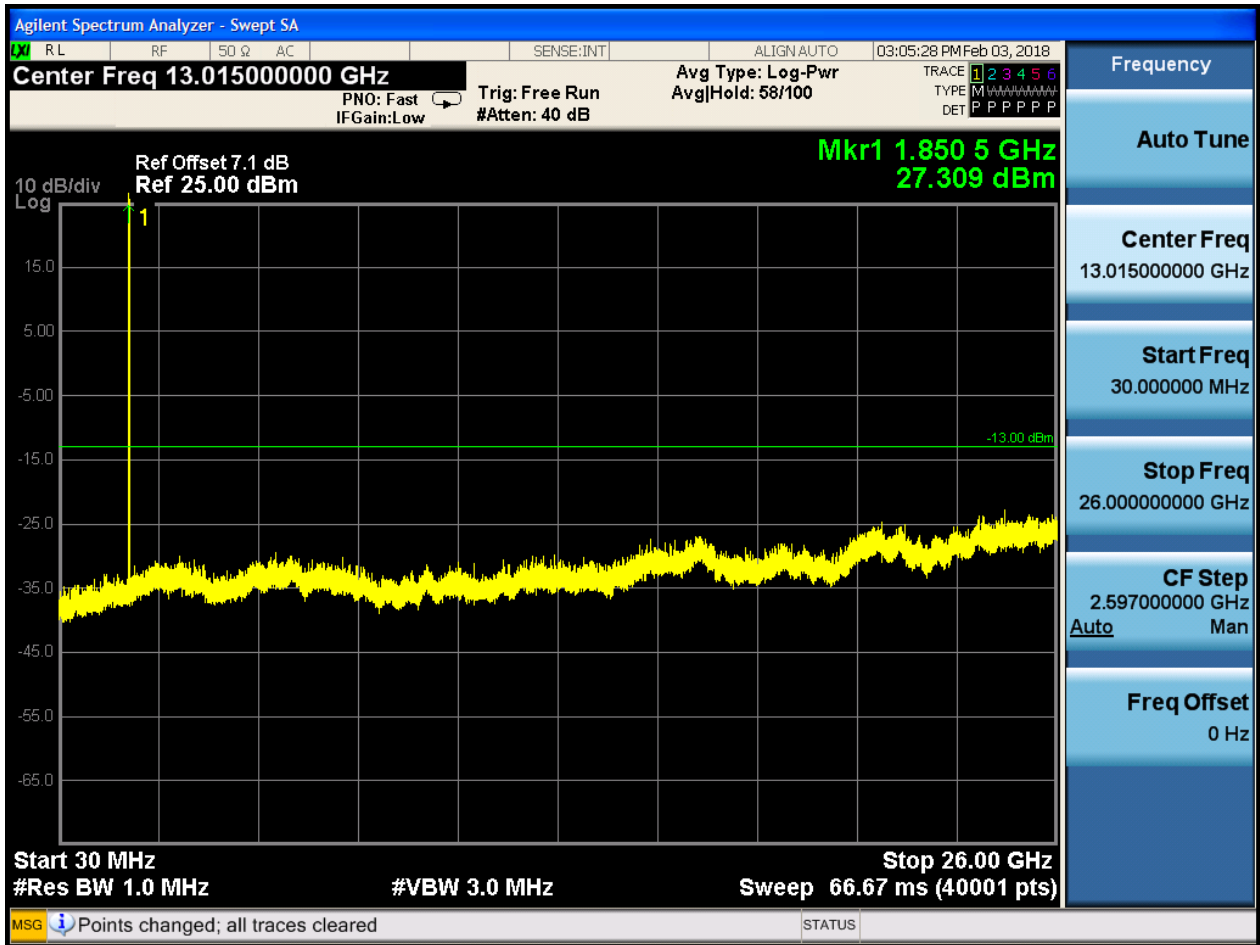
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



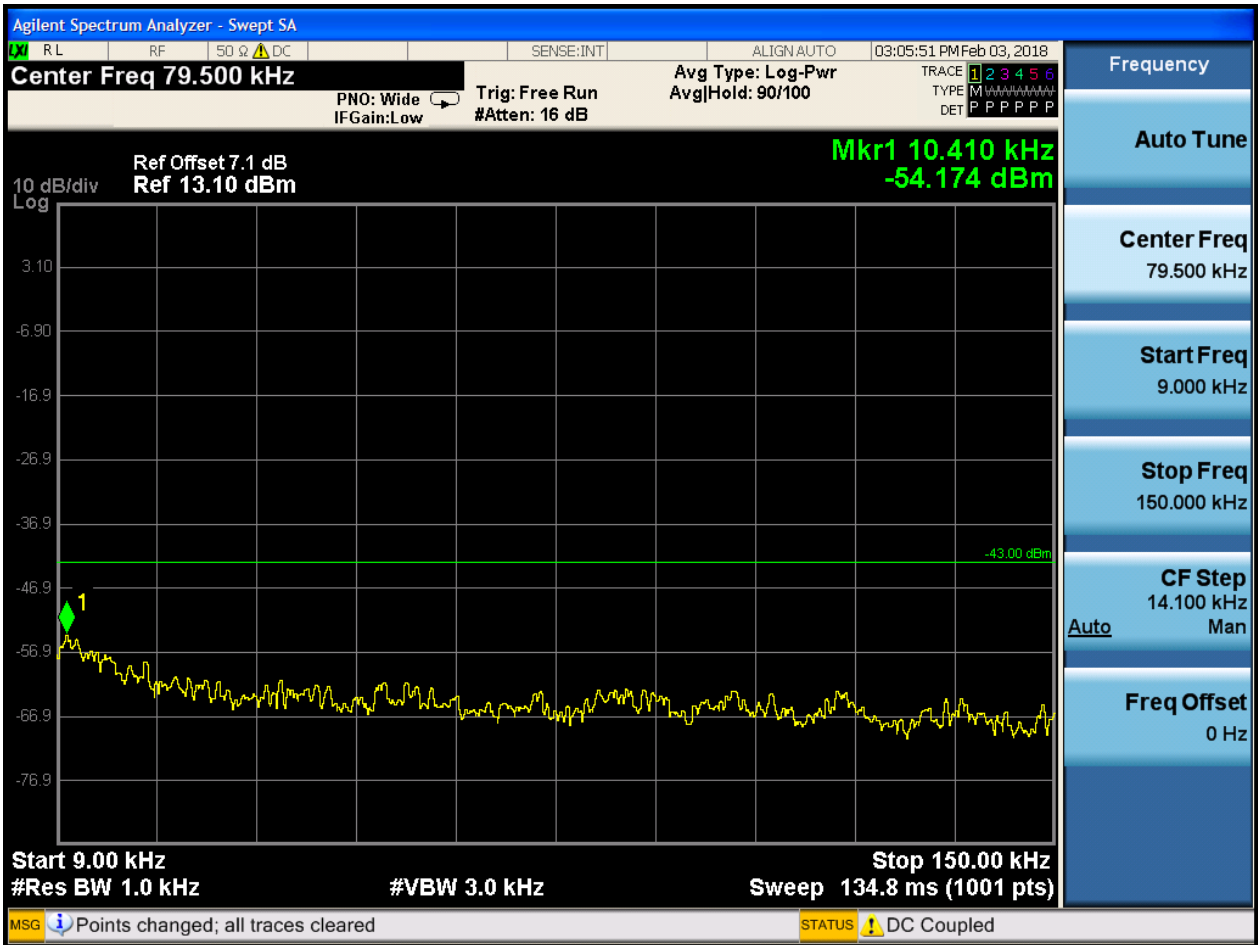




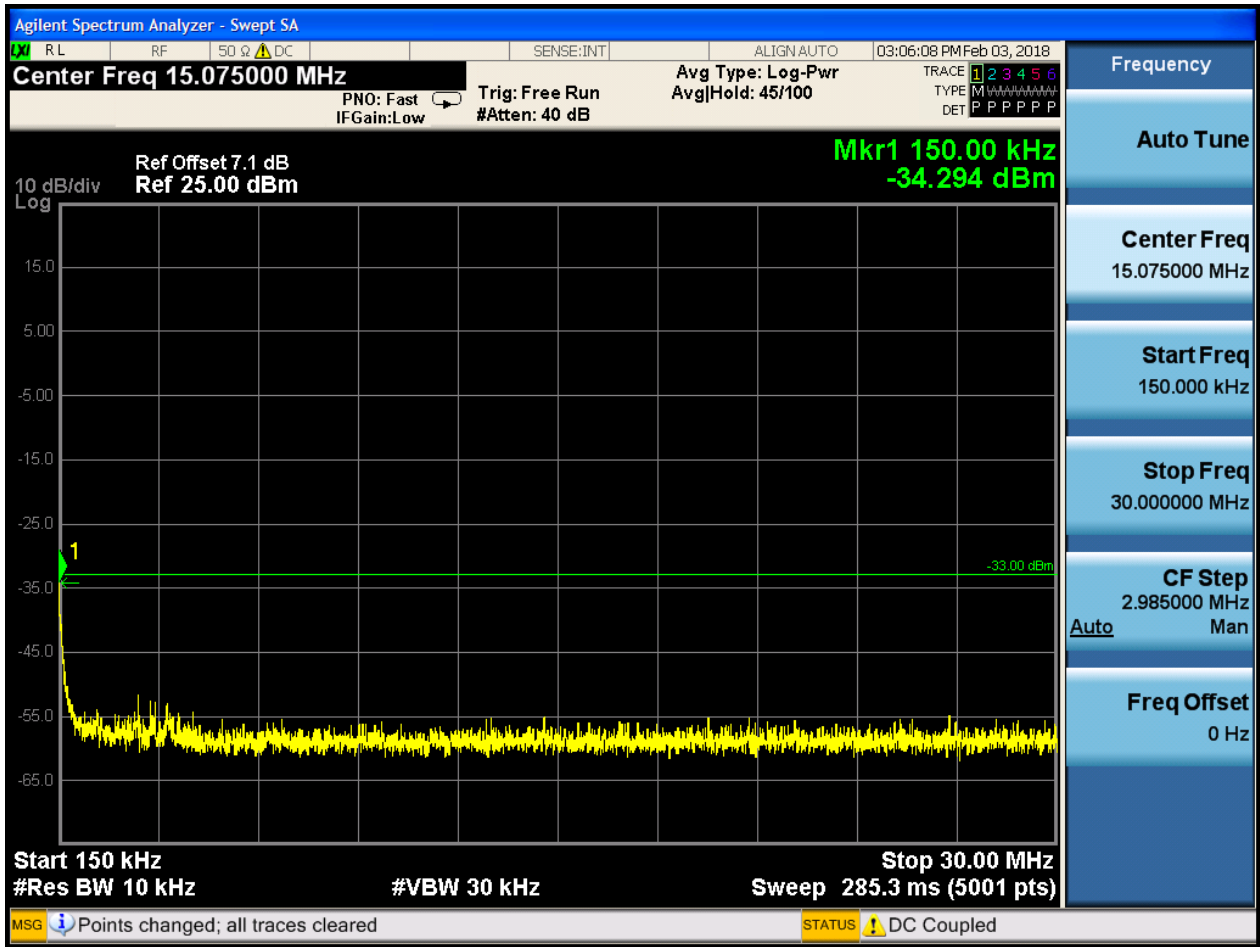


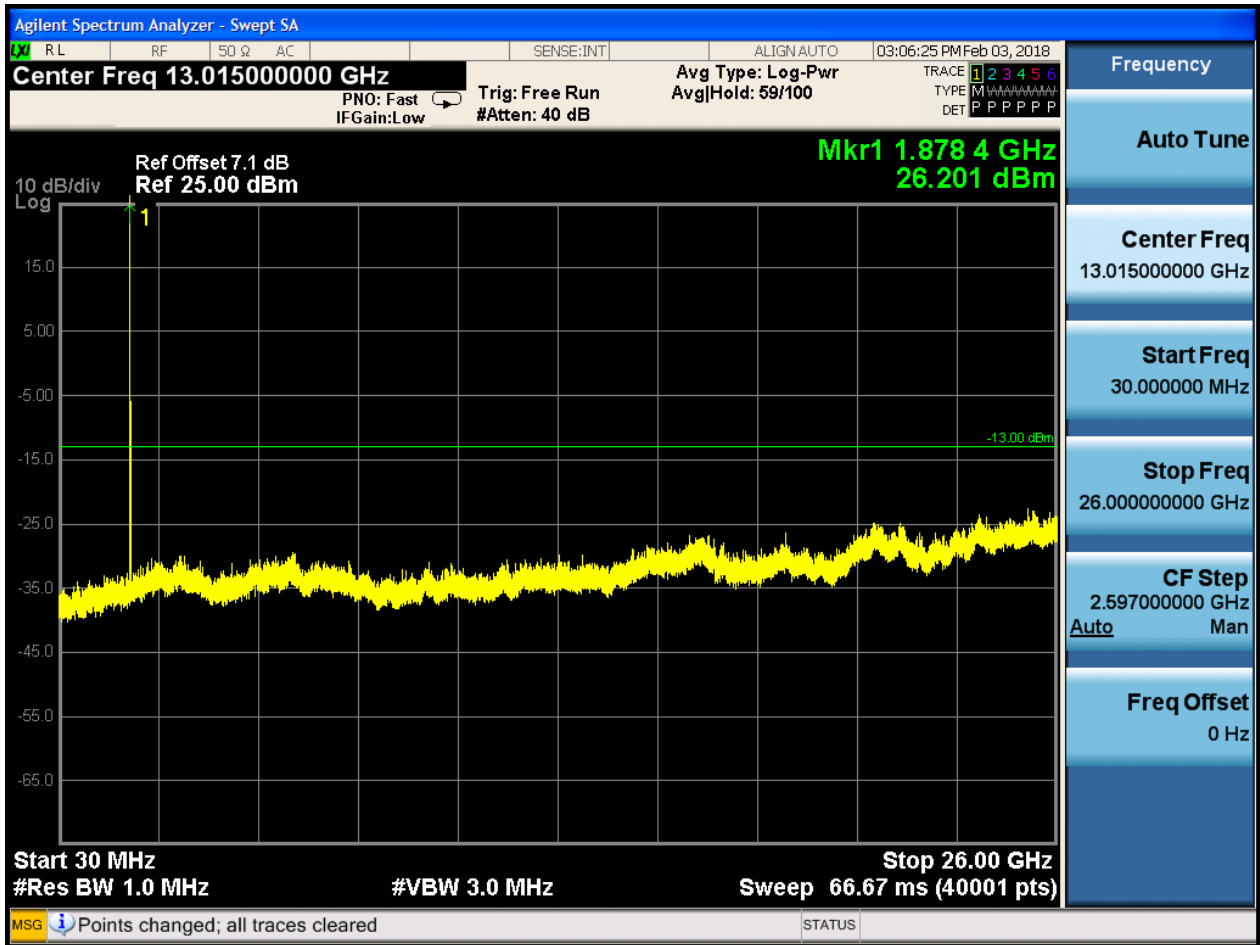
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





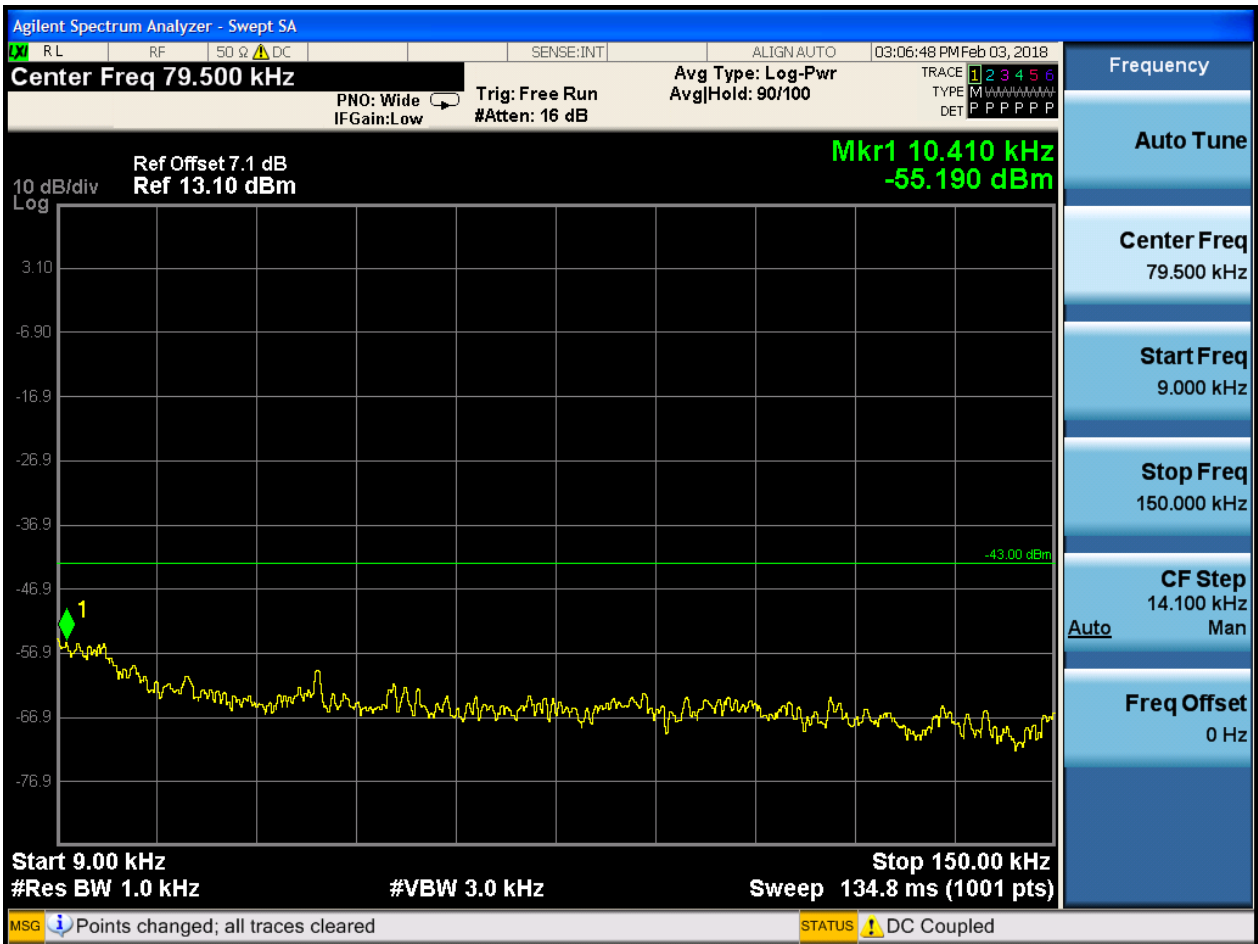


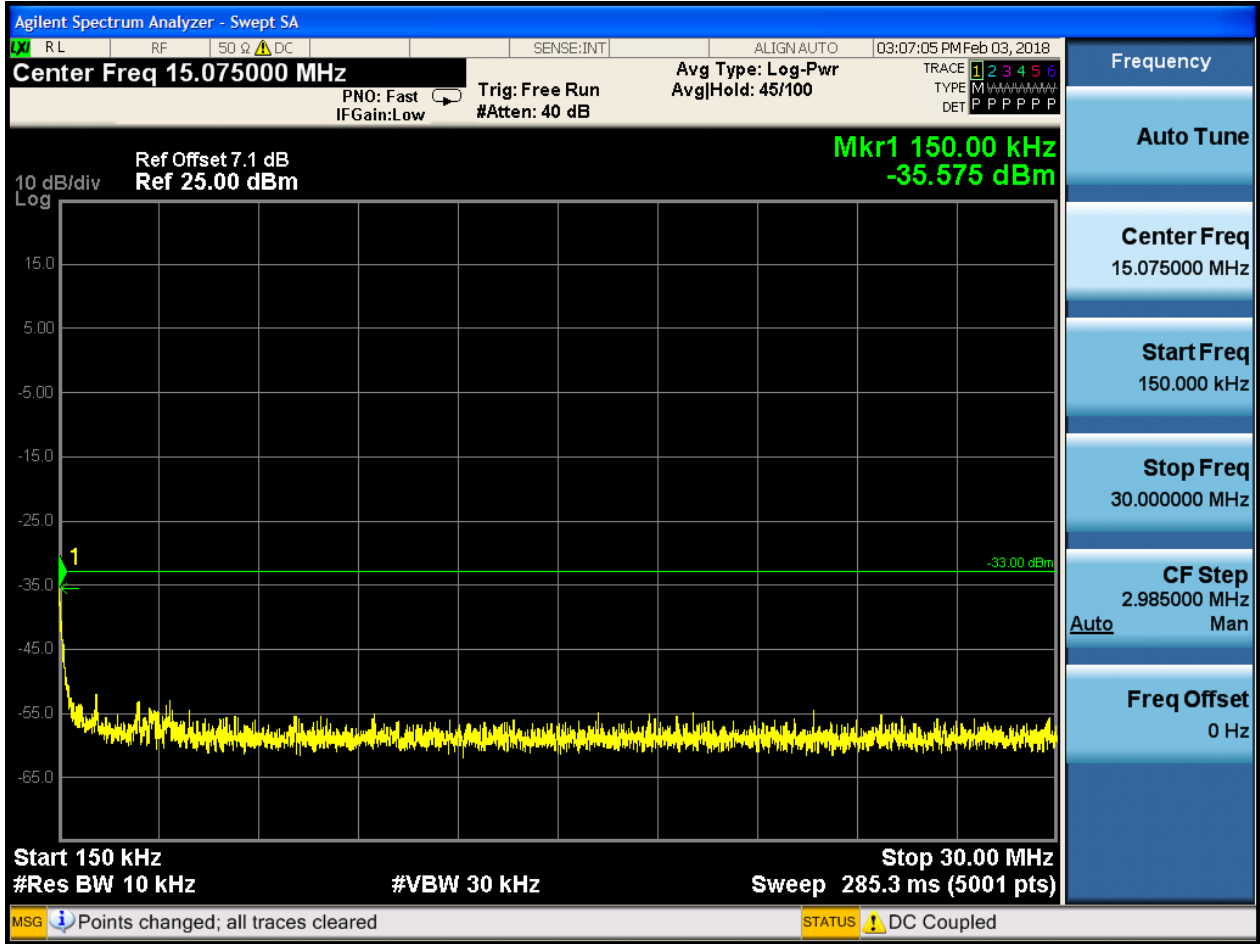


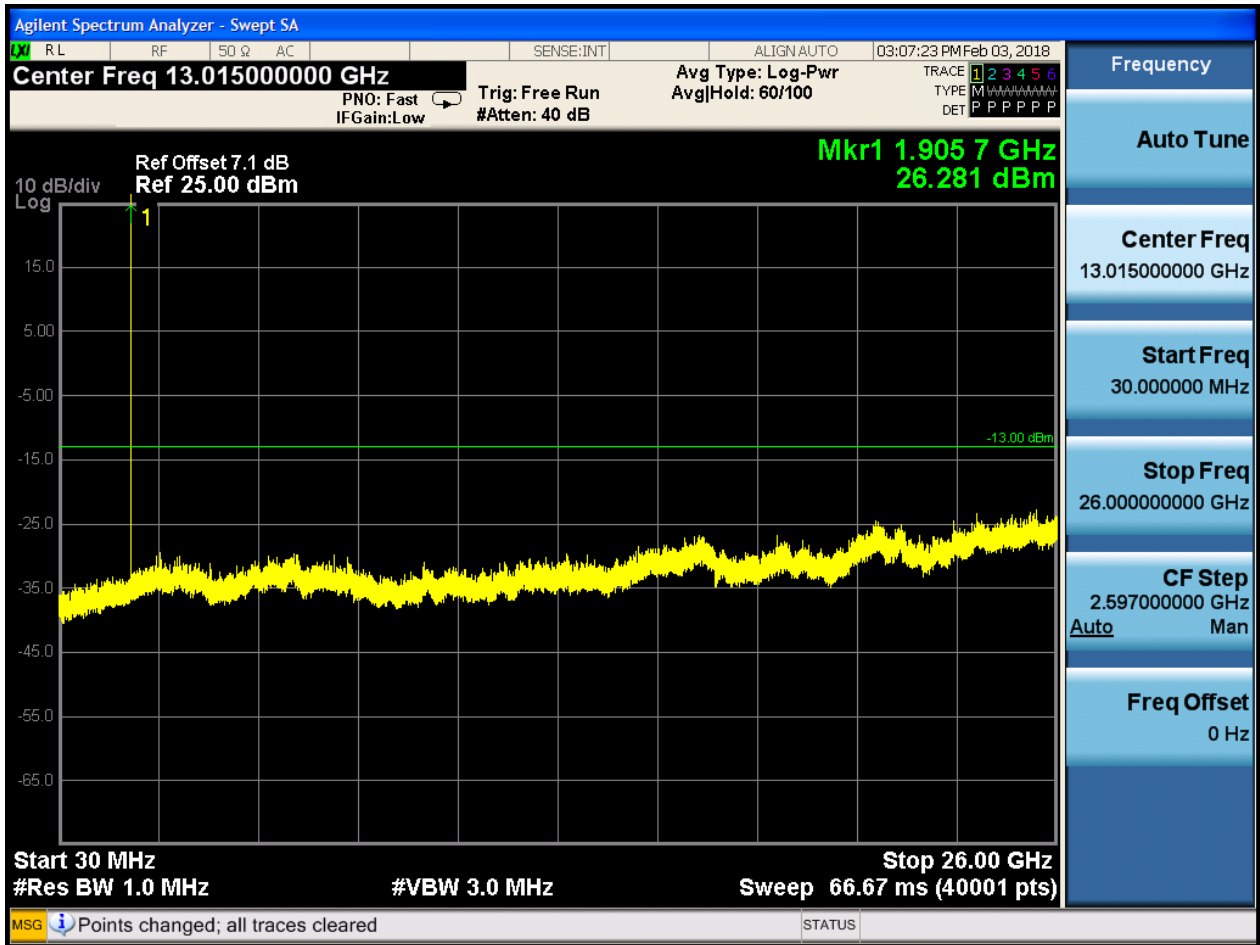


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





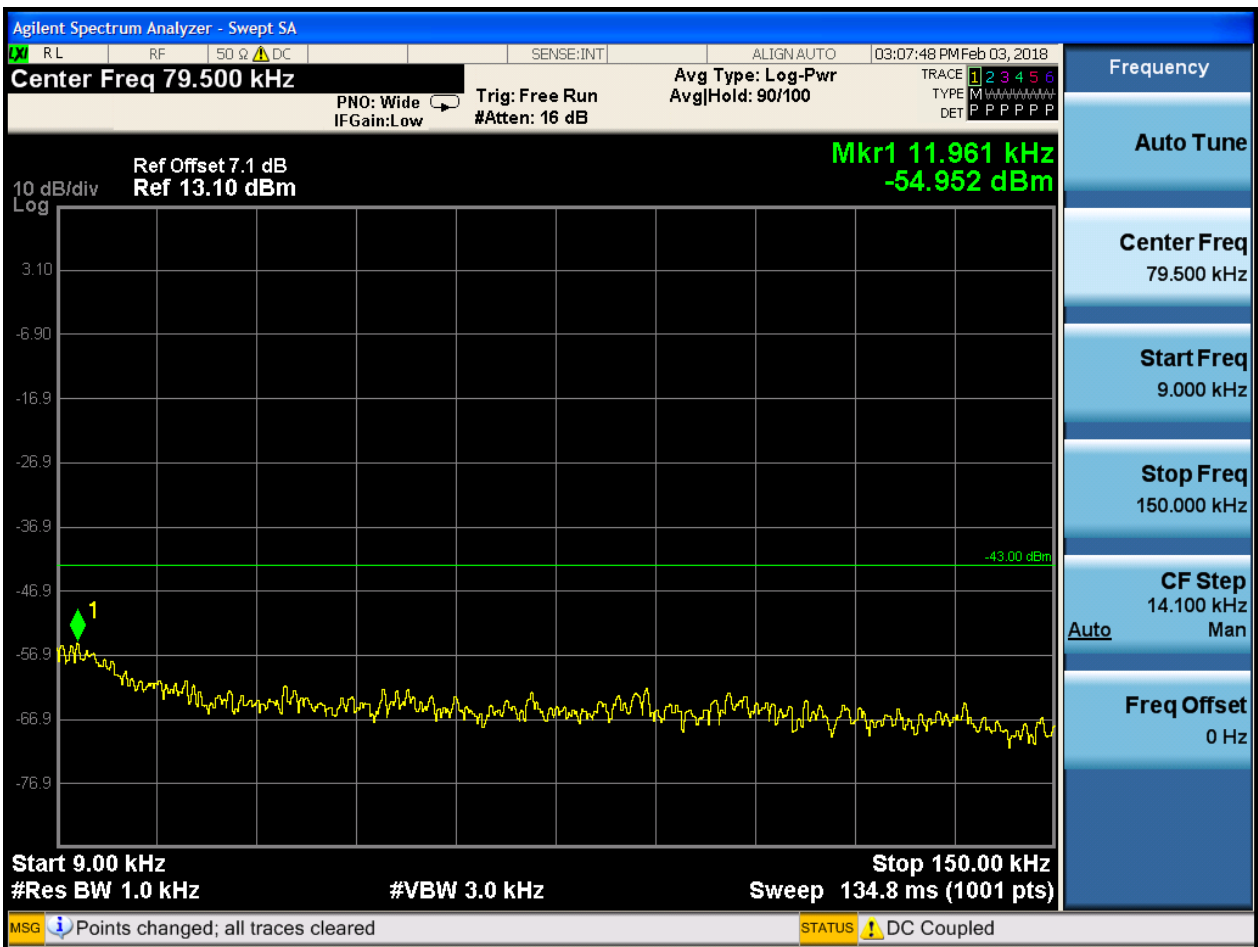


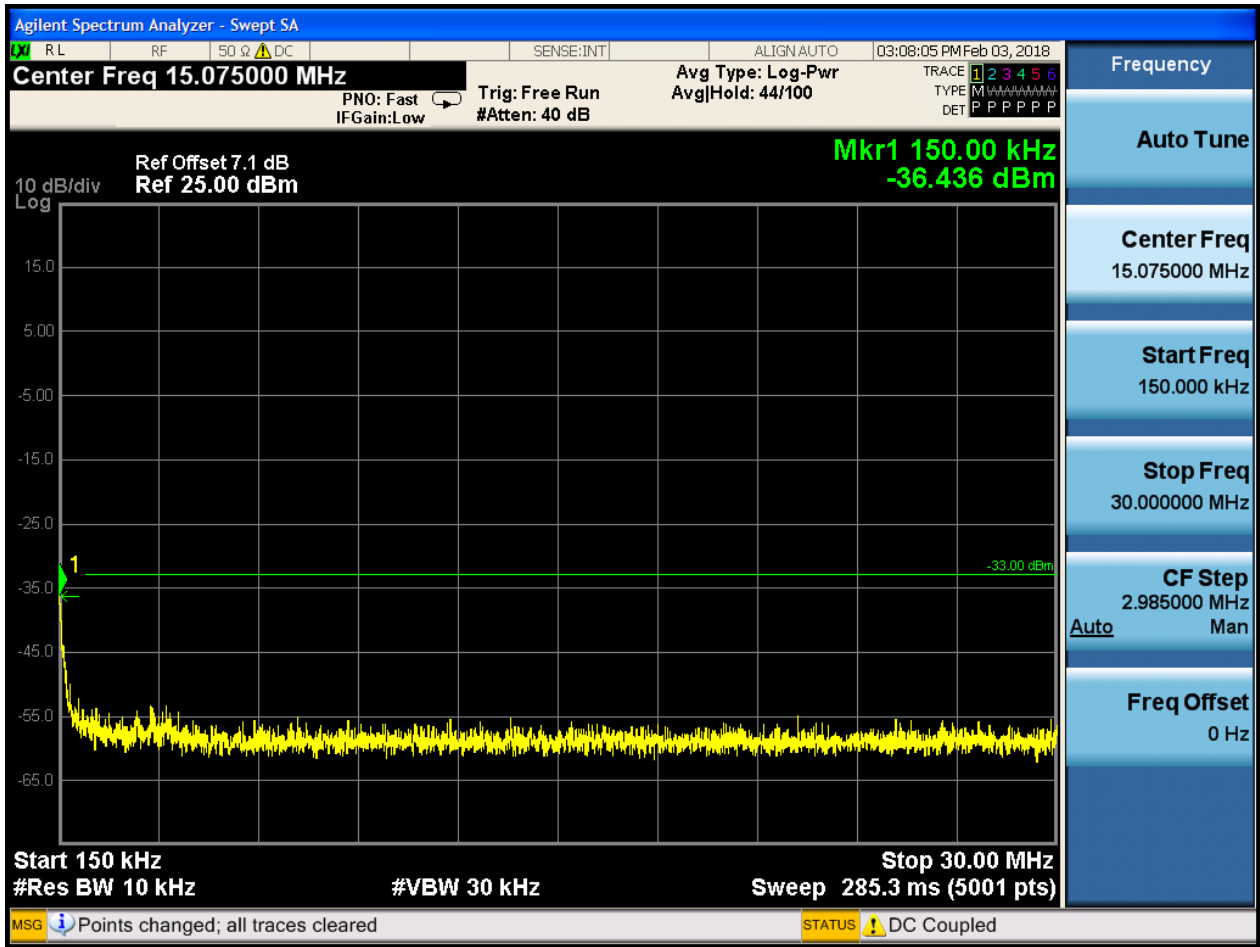


6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





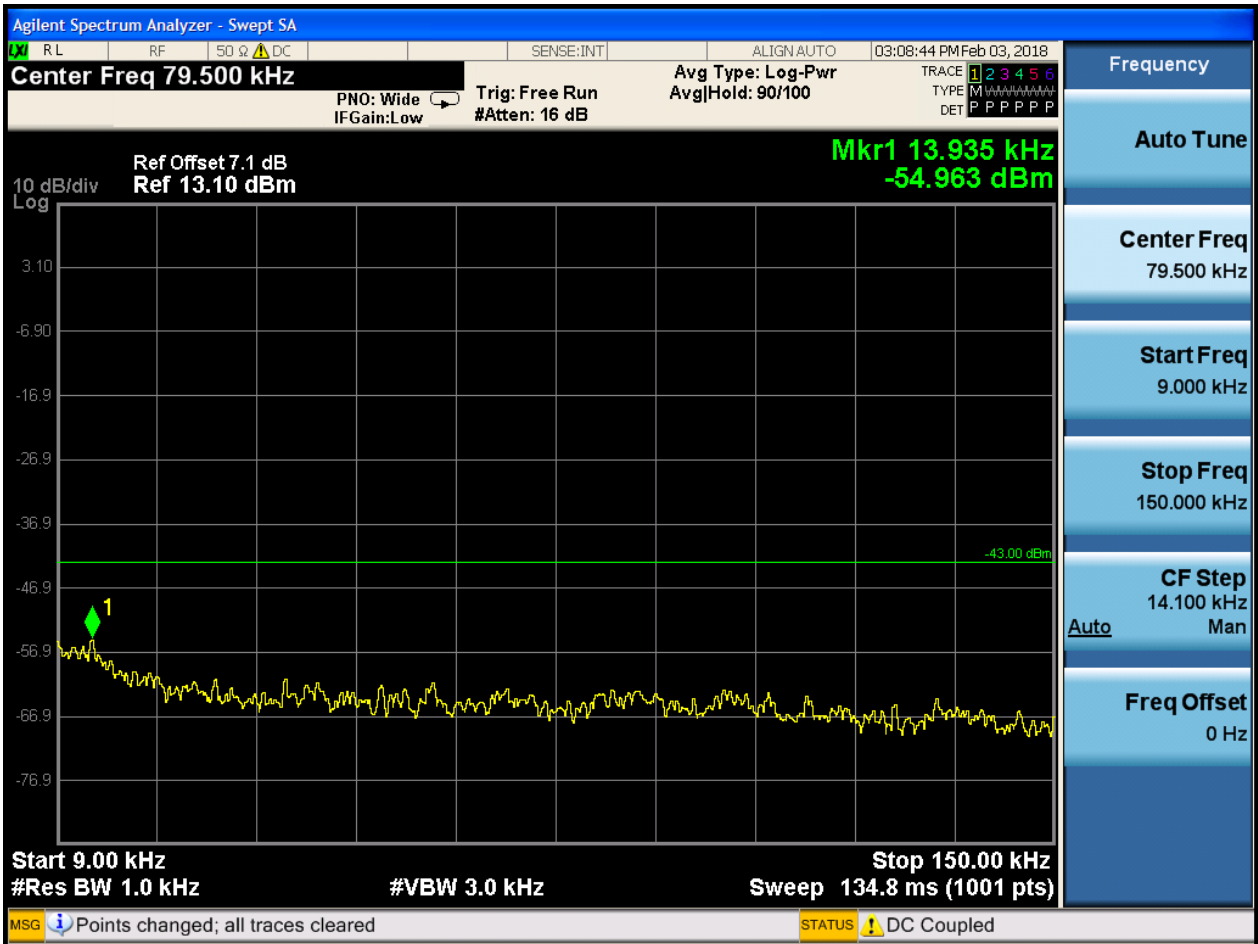


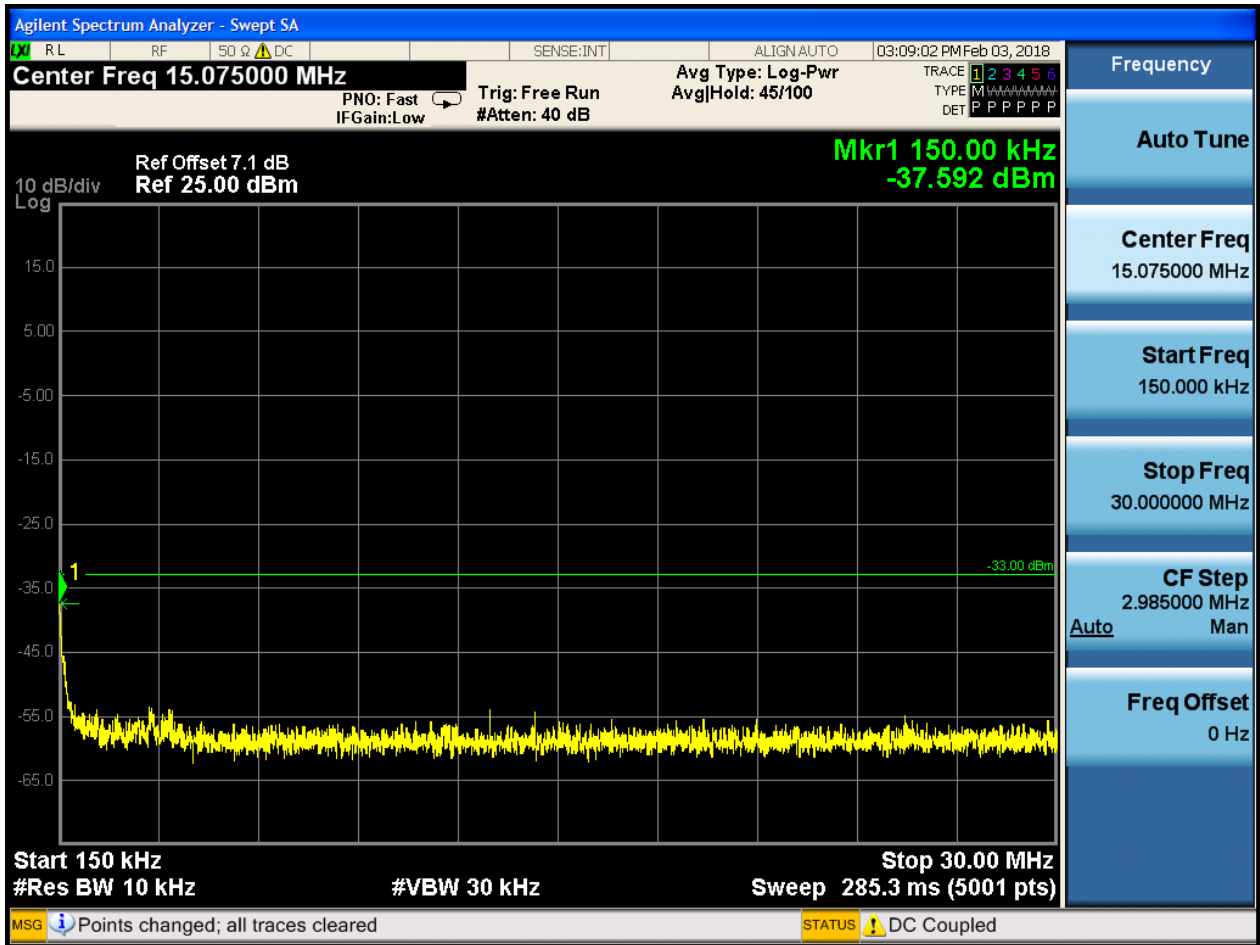




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



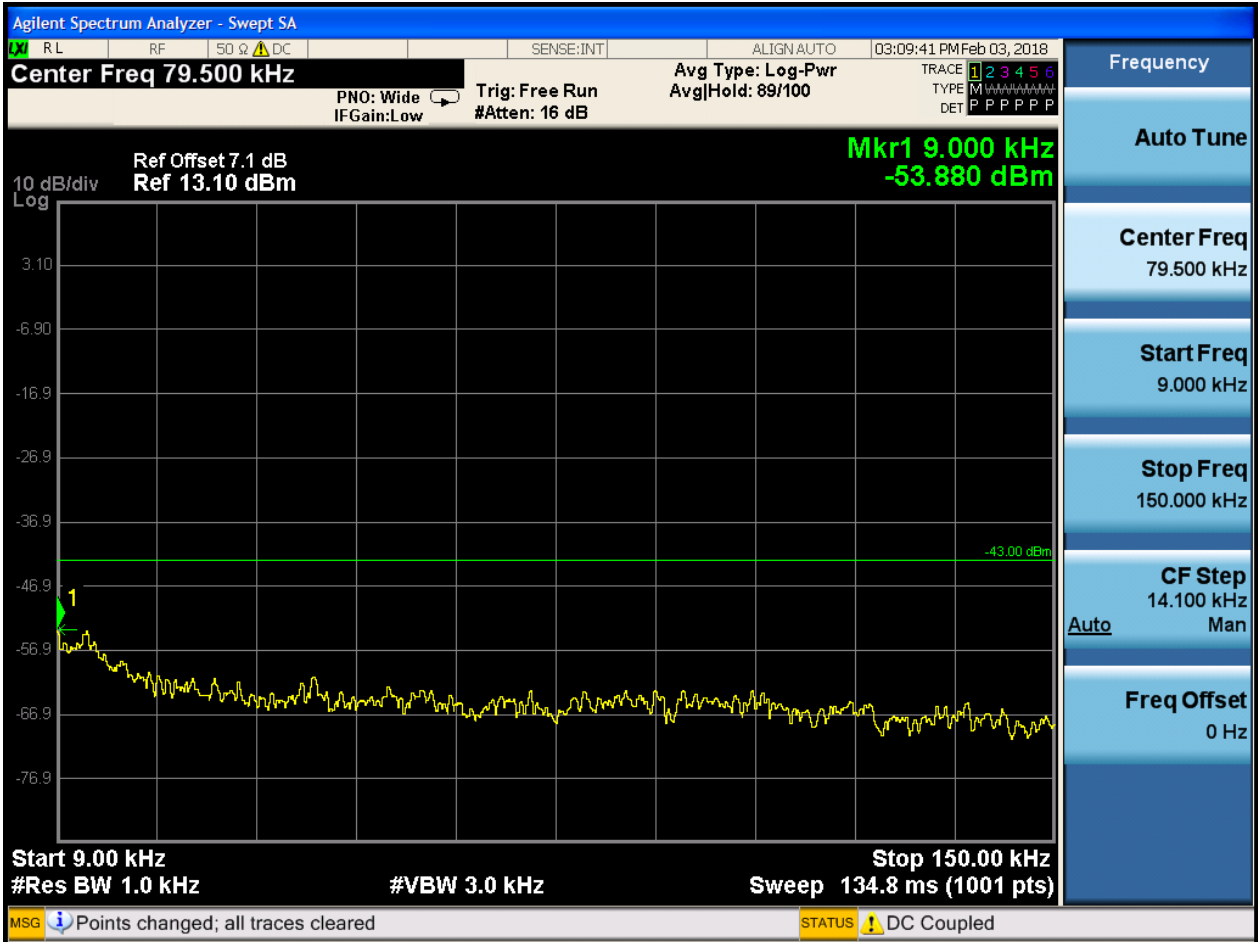


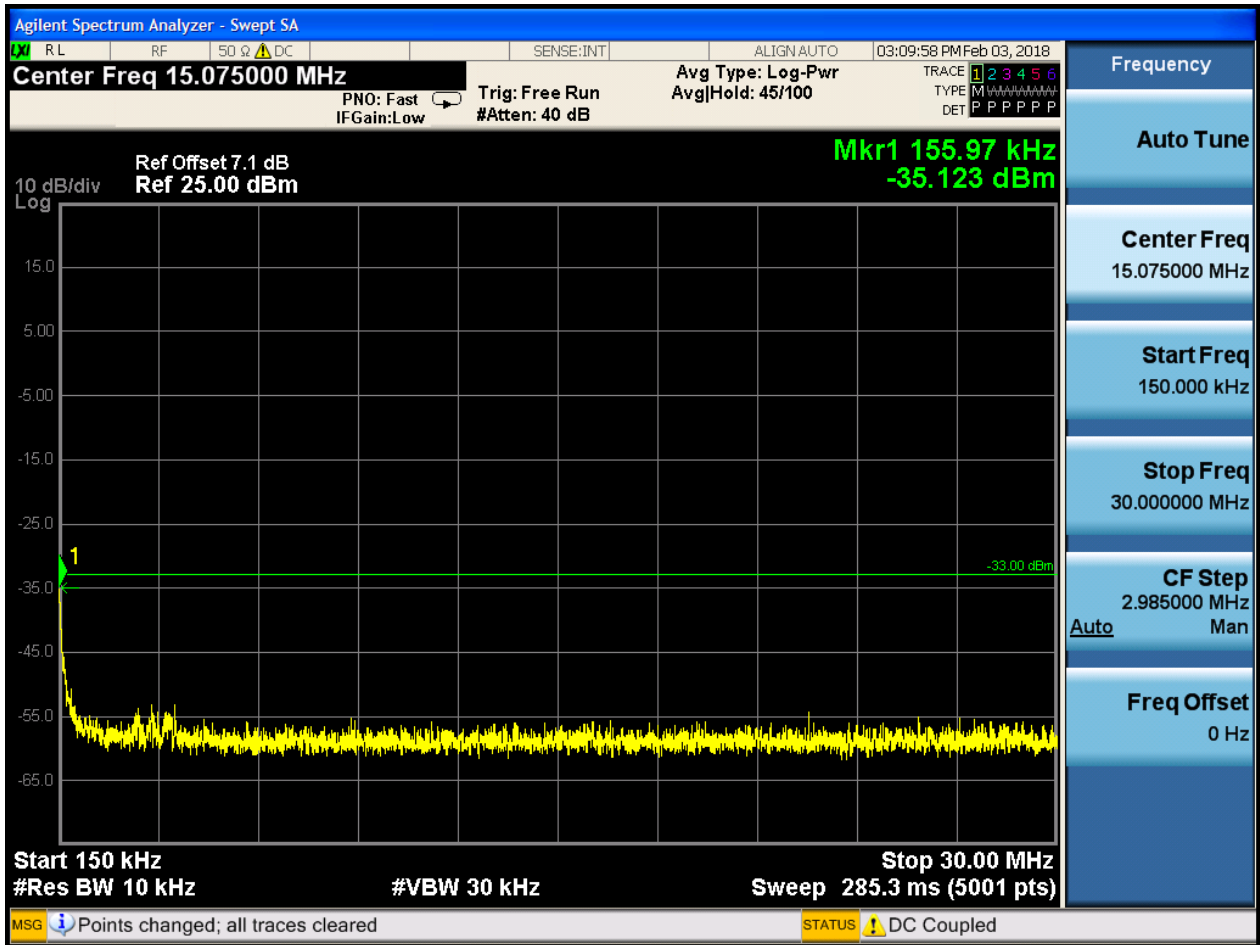


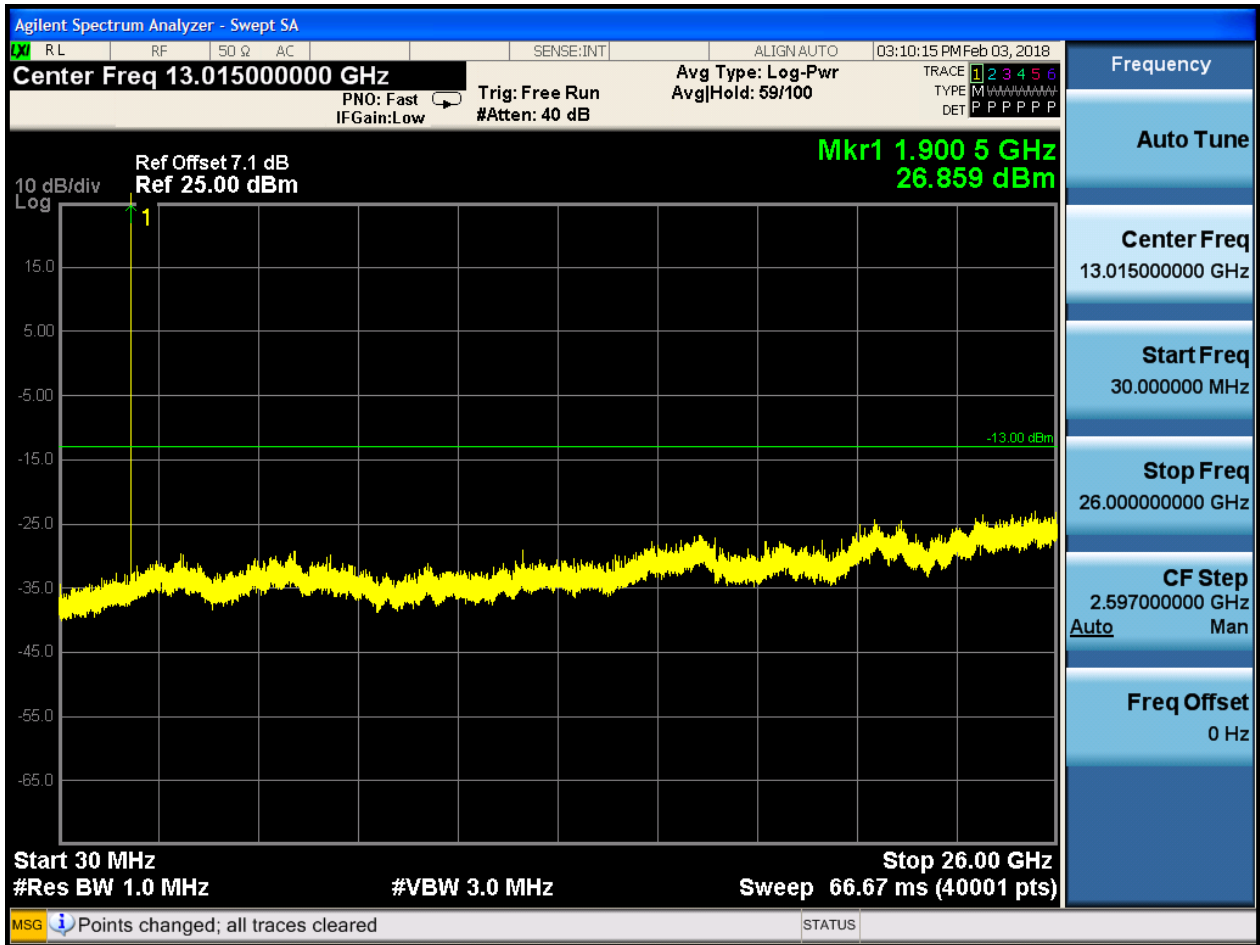


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0





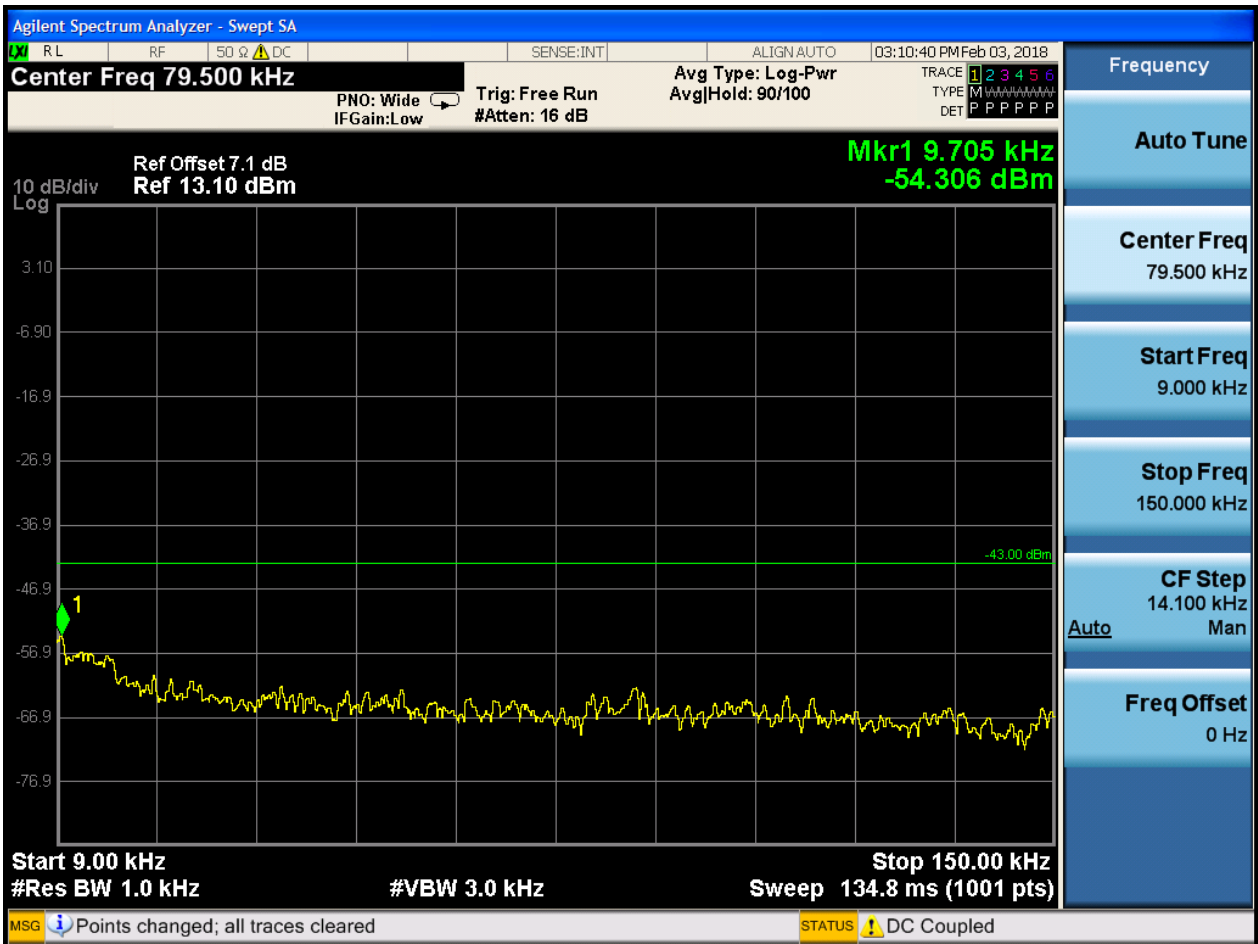


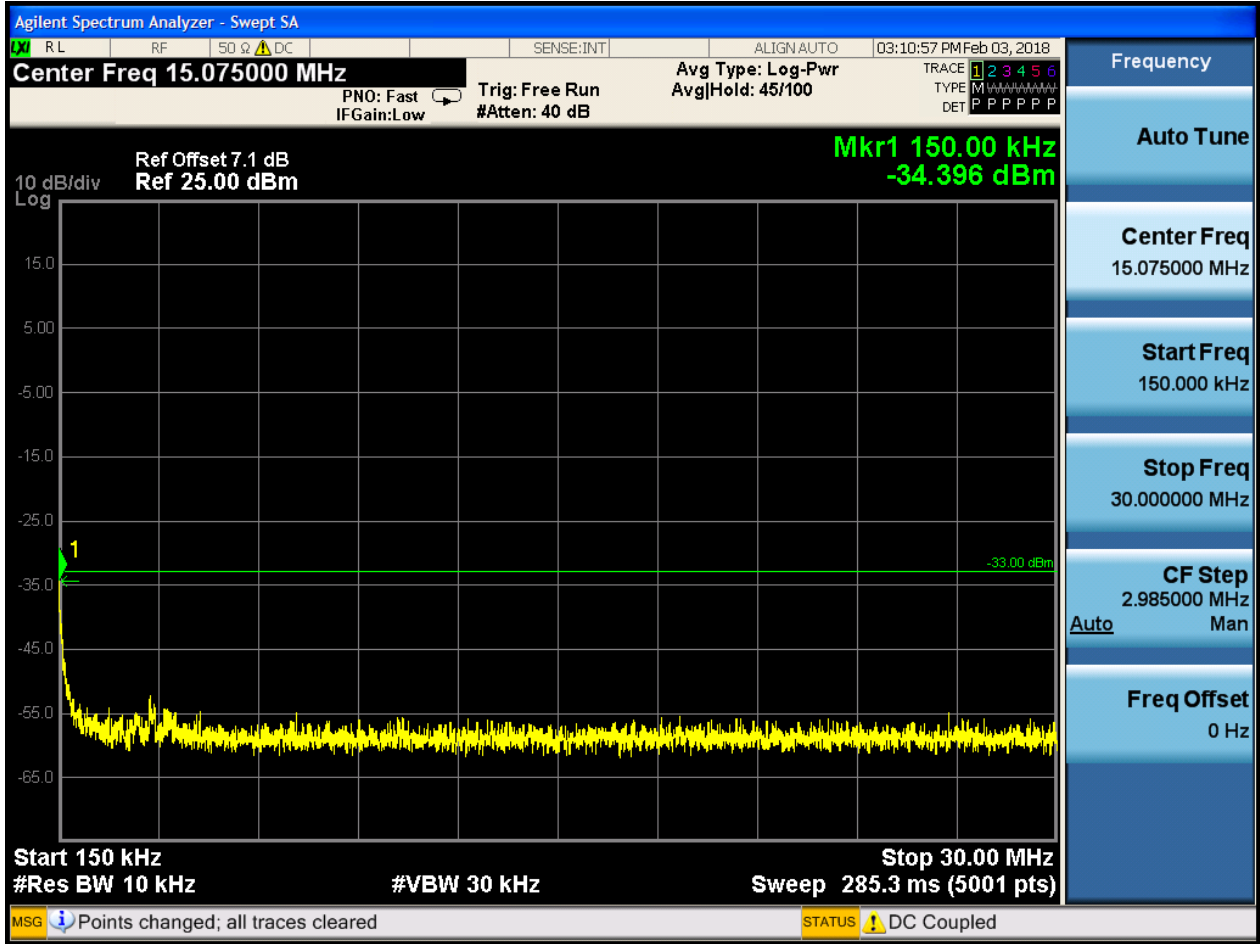


6.1.1.2.5 Test Bandwidth = 15

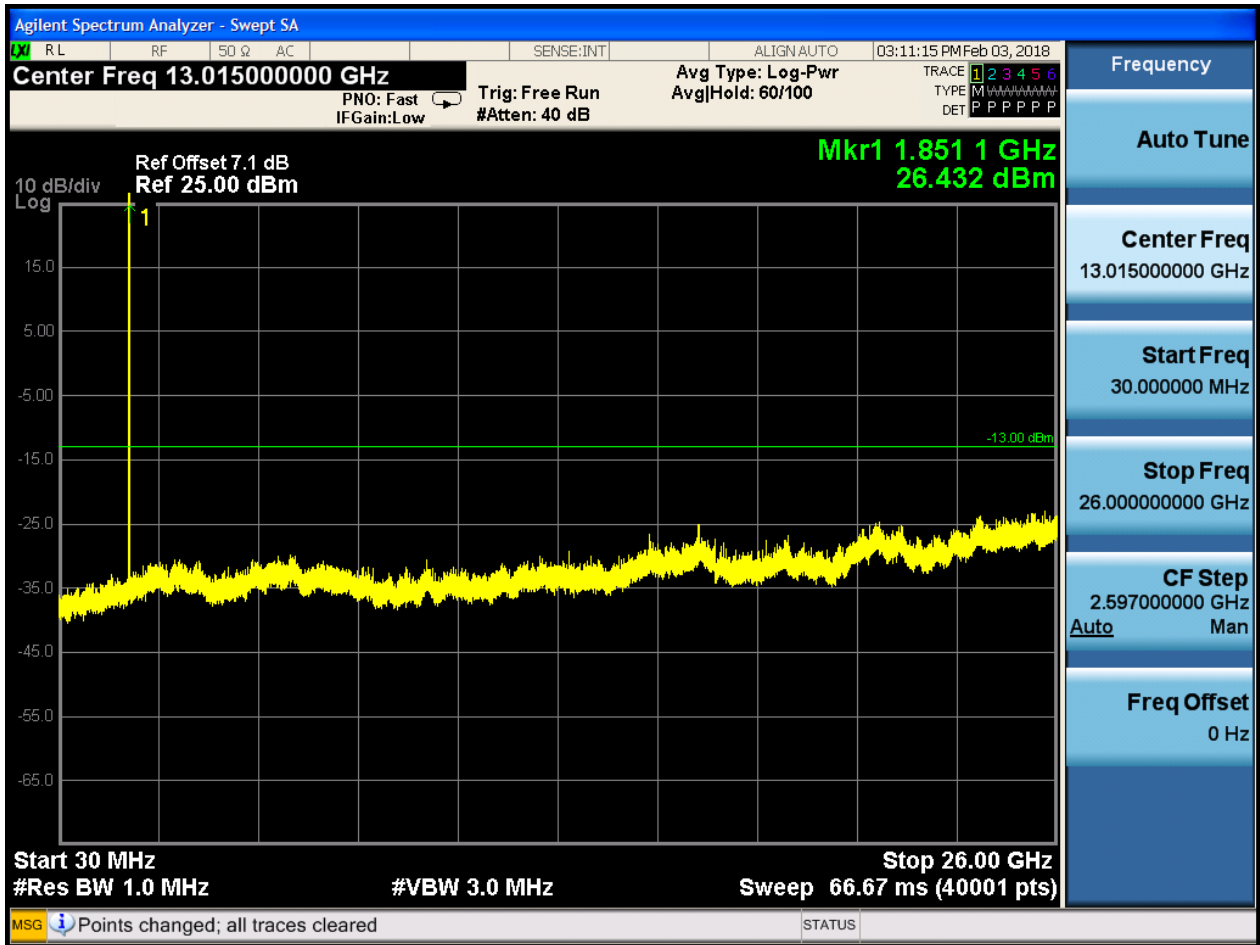
6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0





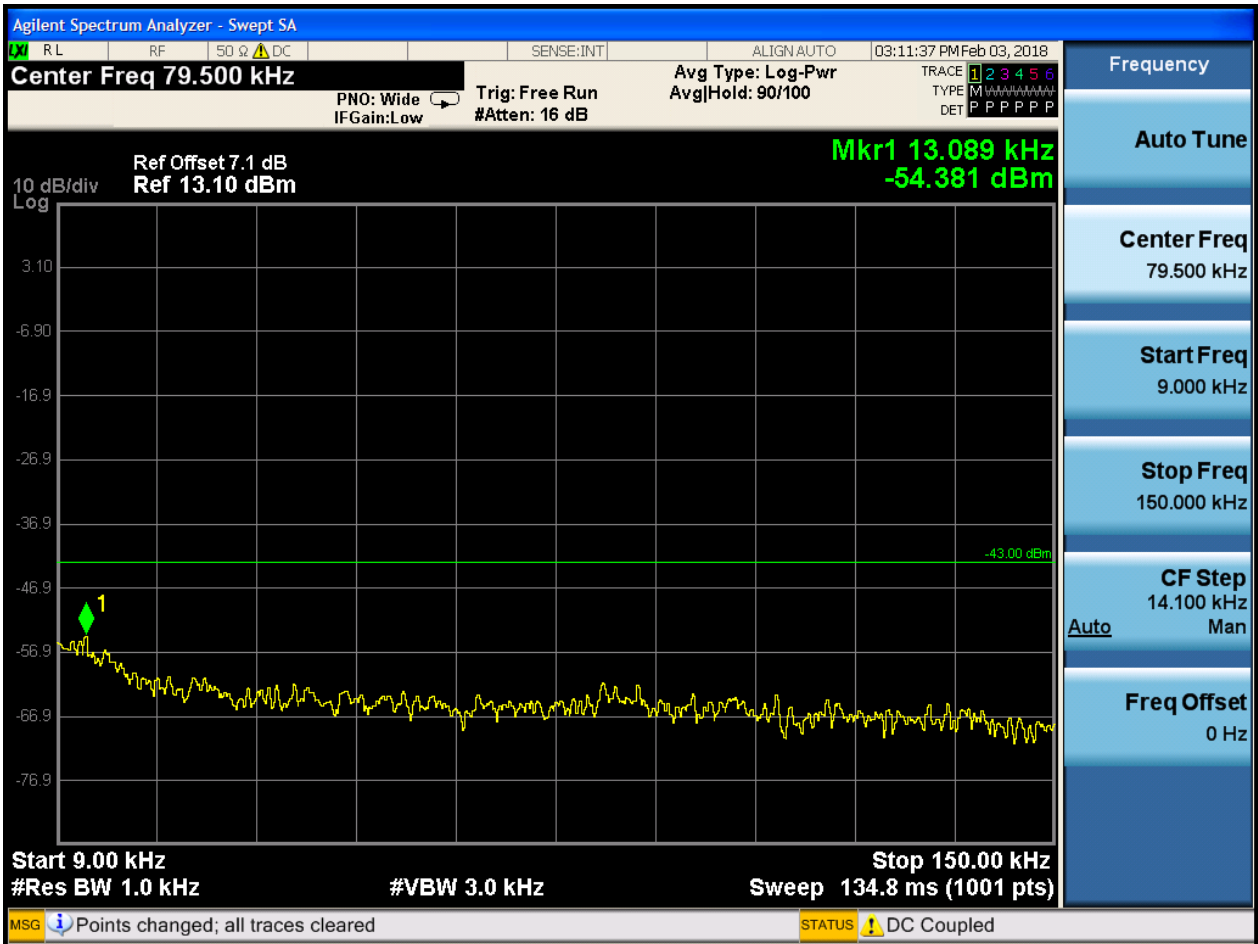


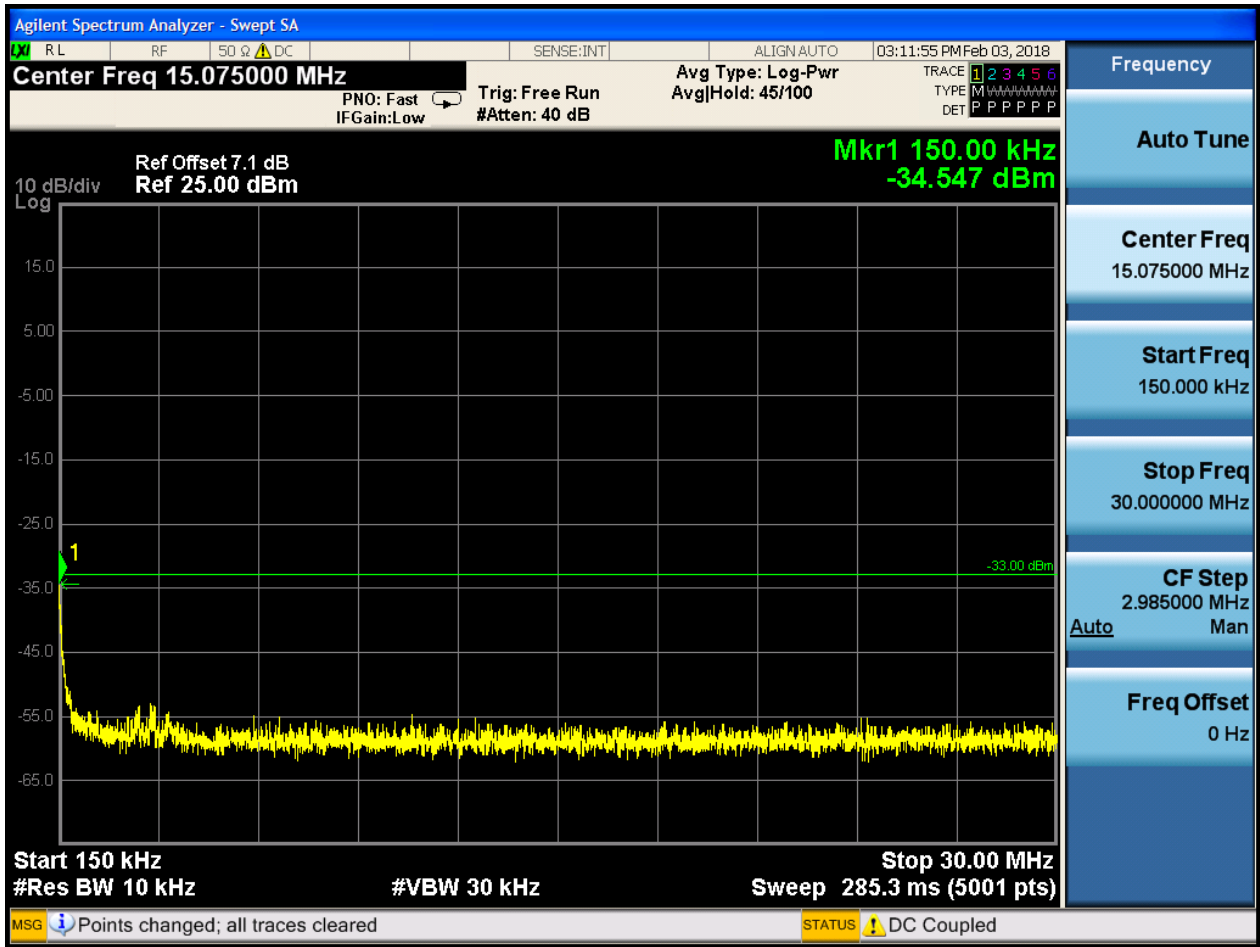


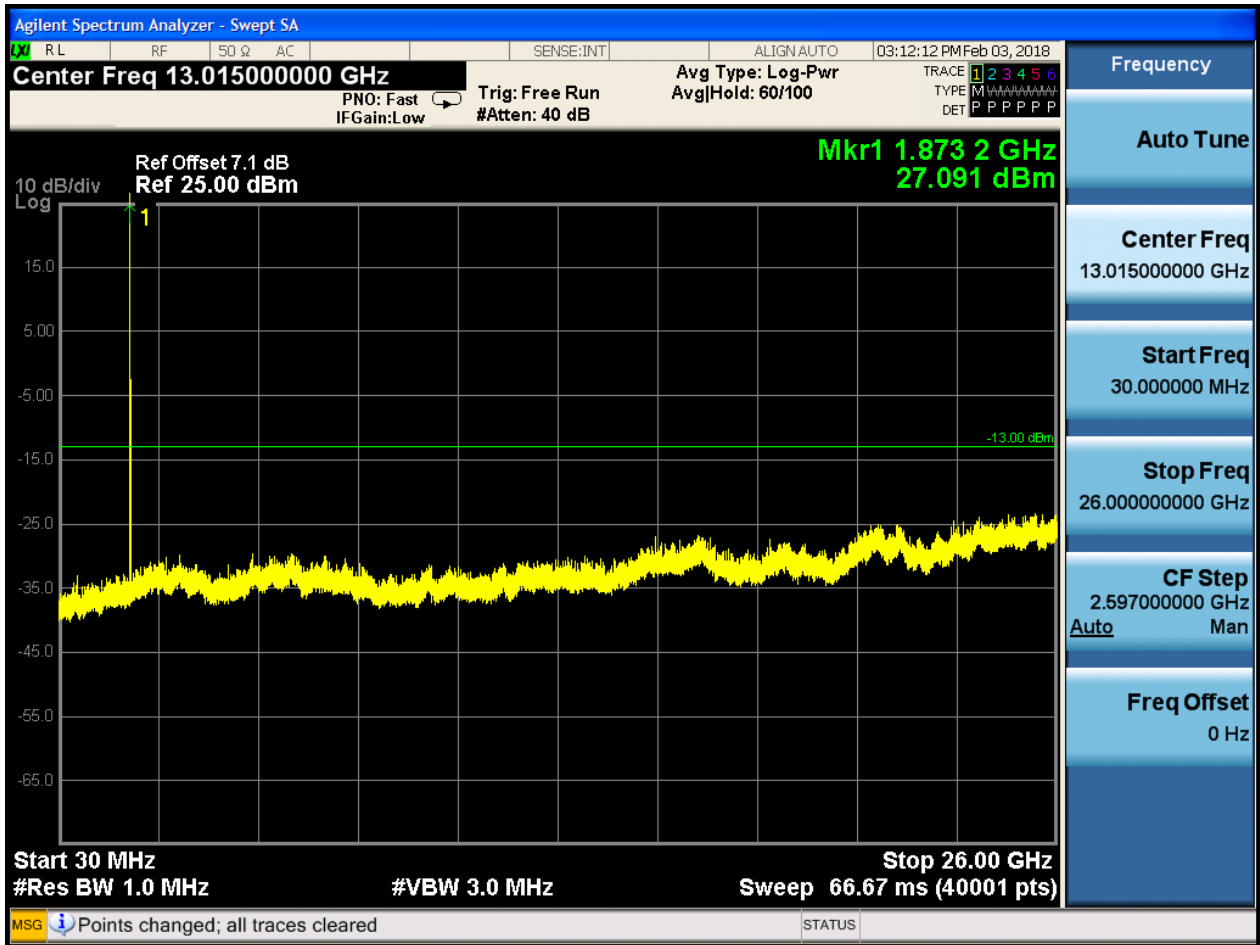


6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0



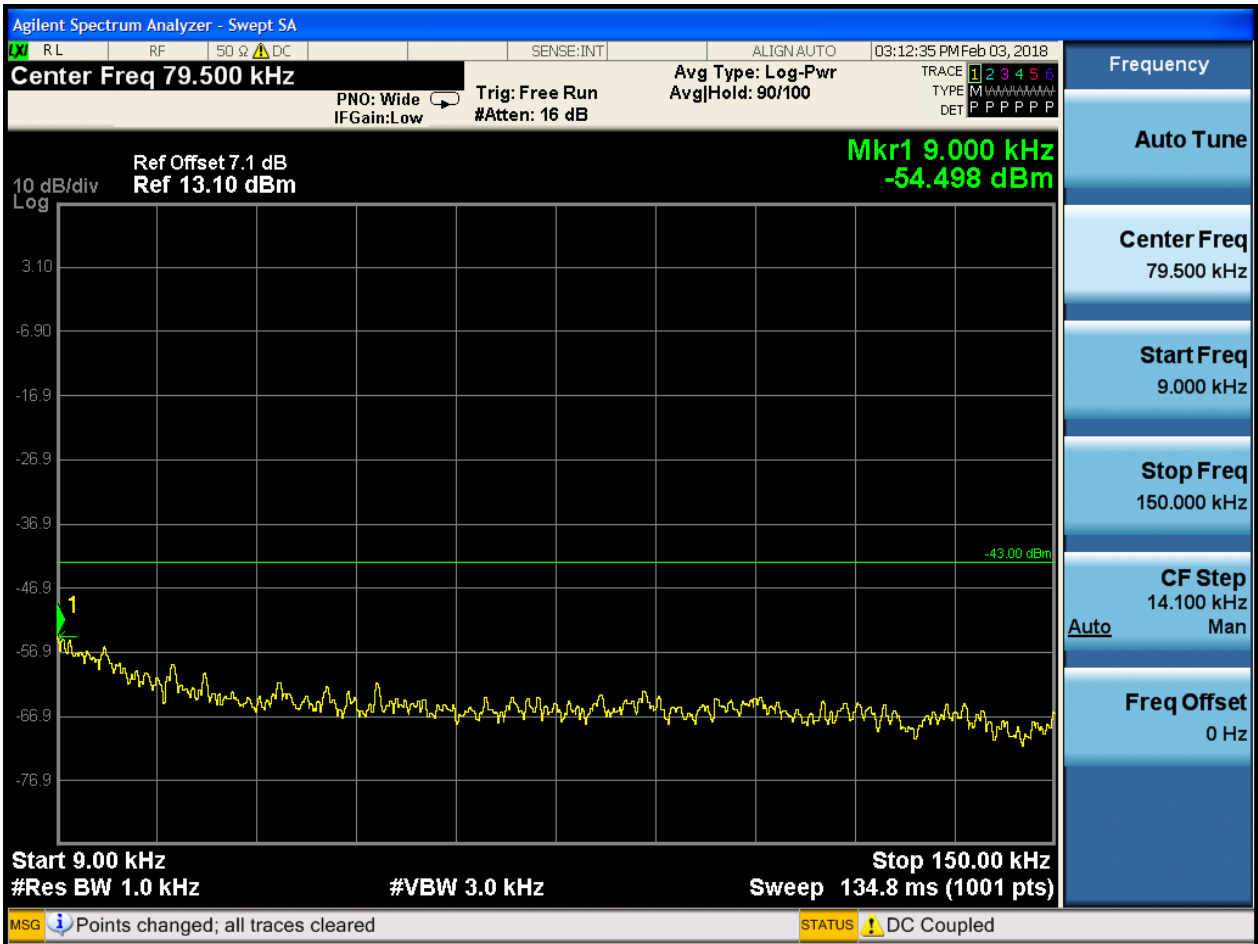


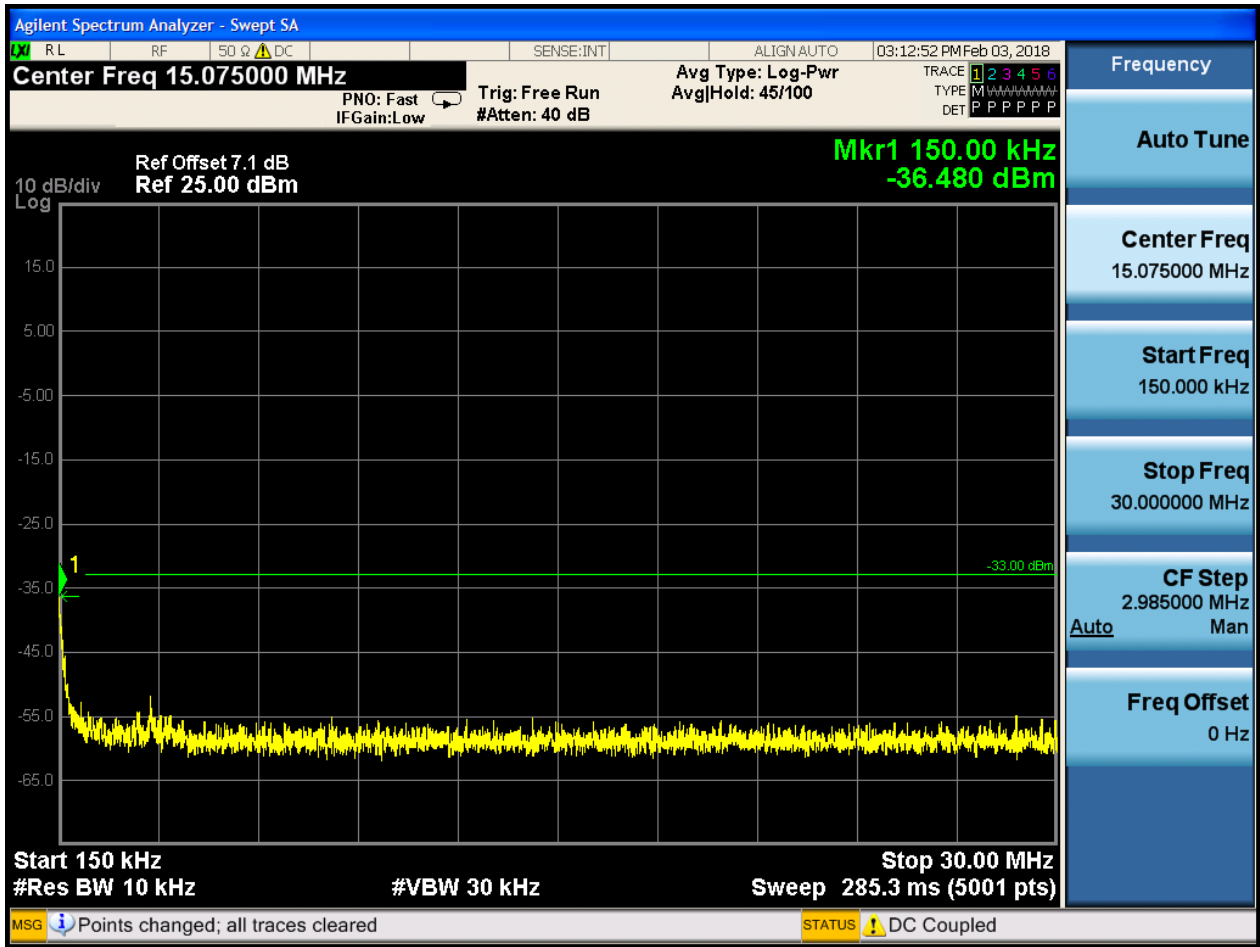


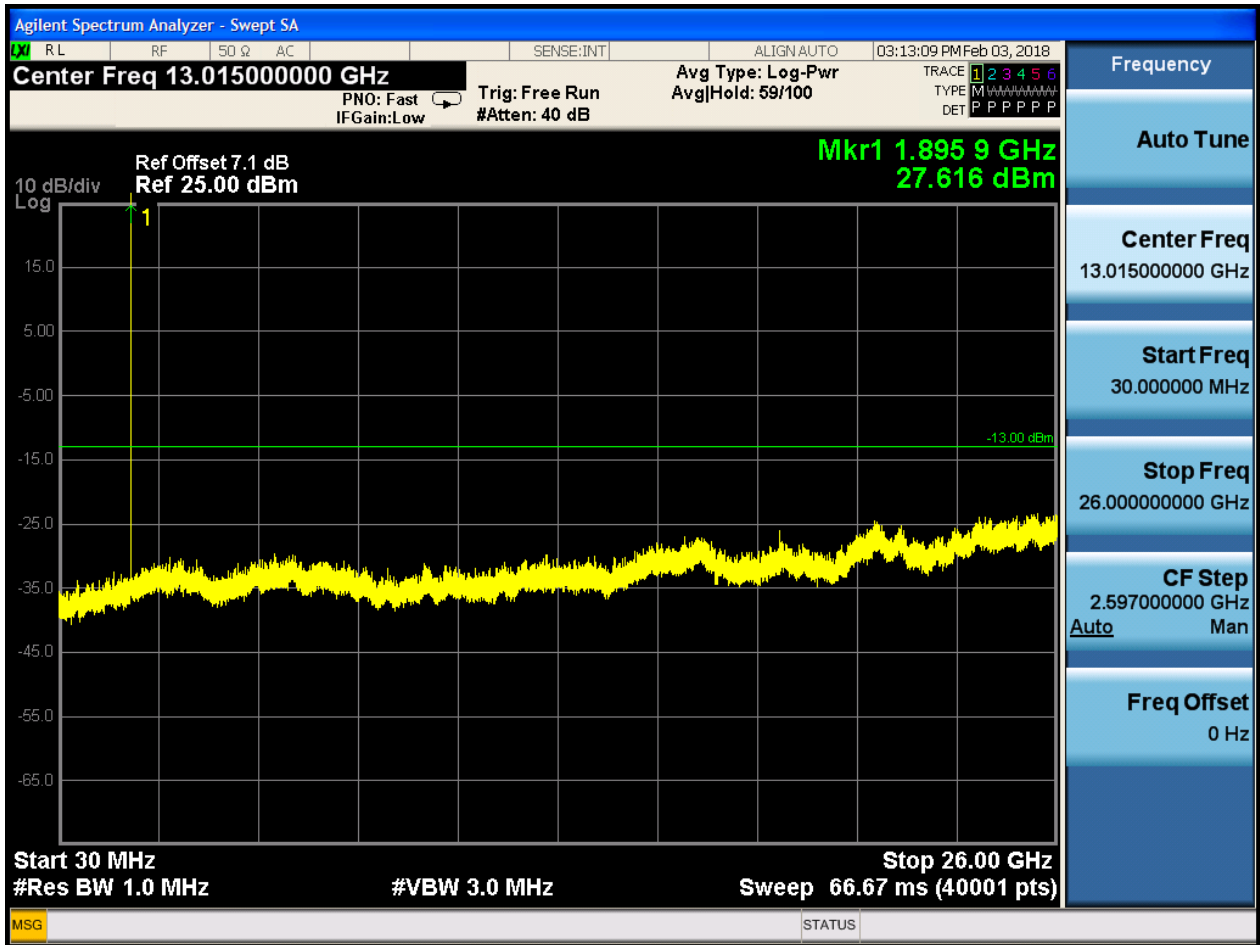


6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0





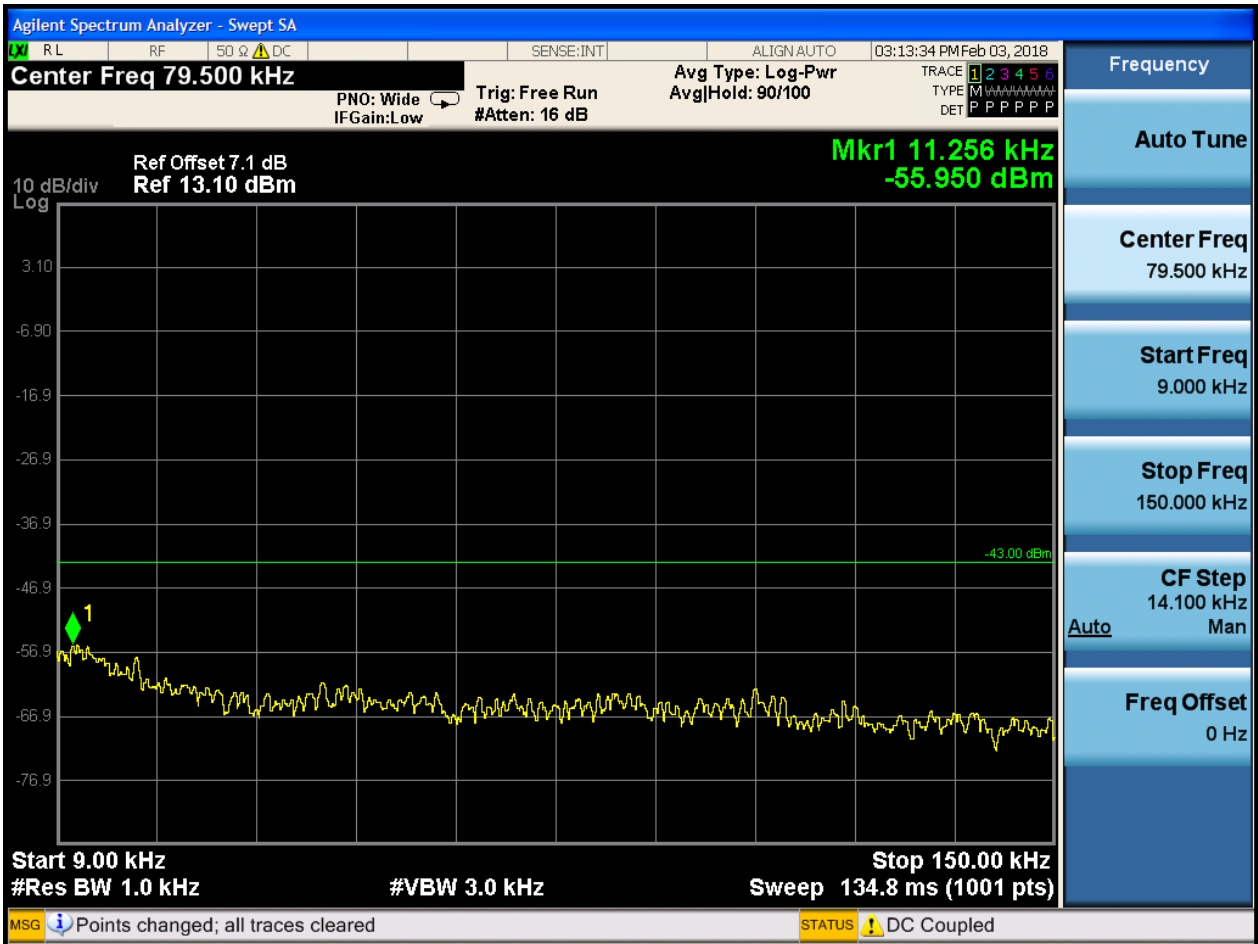




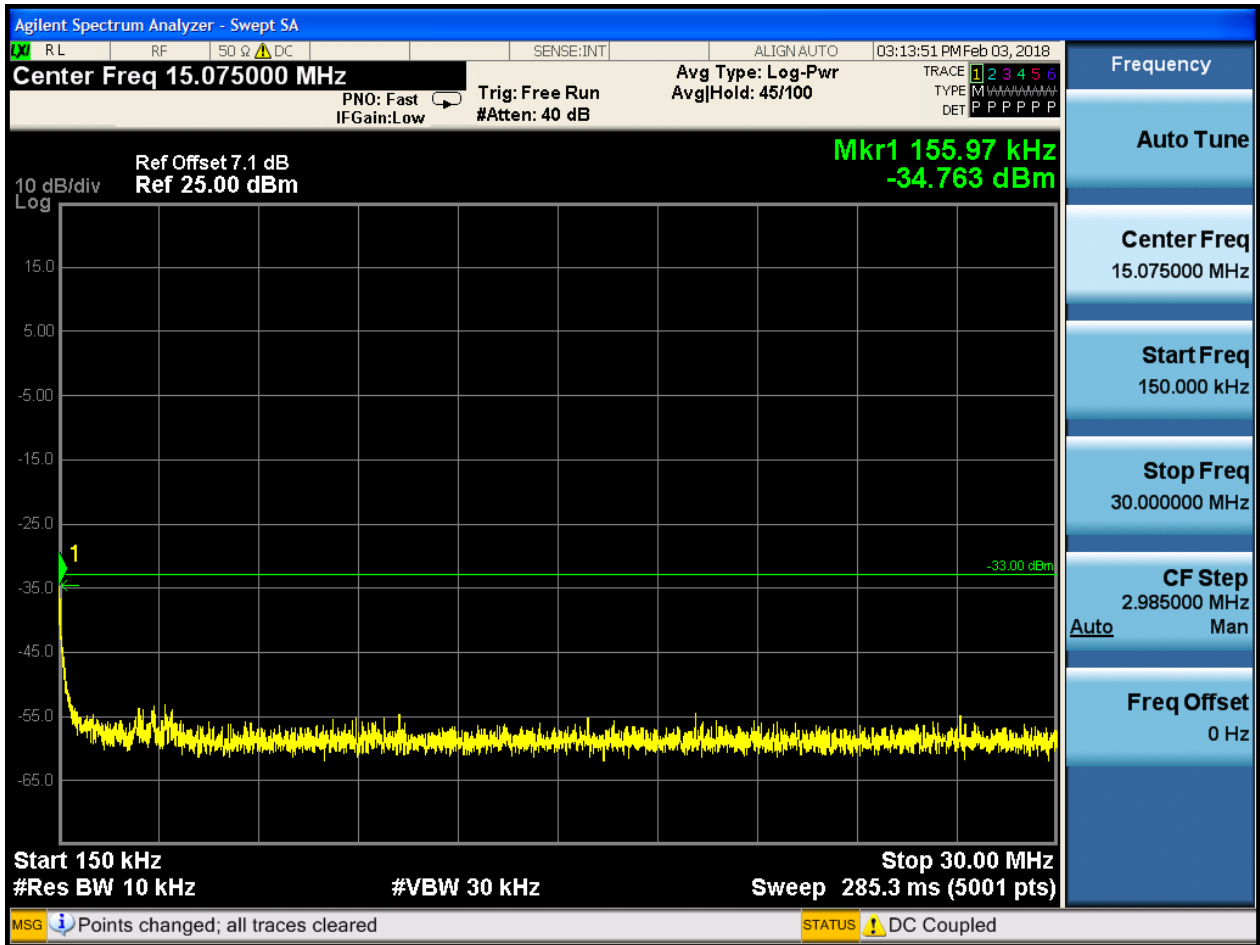
6.1.1.2.6 Test Bandwidth = 20

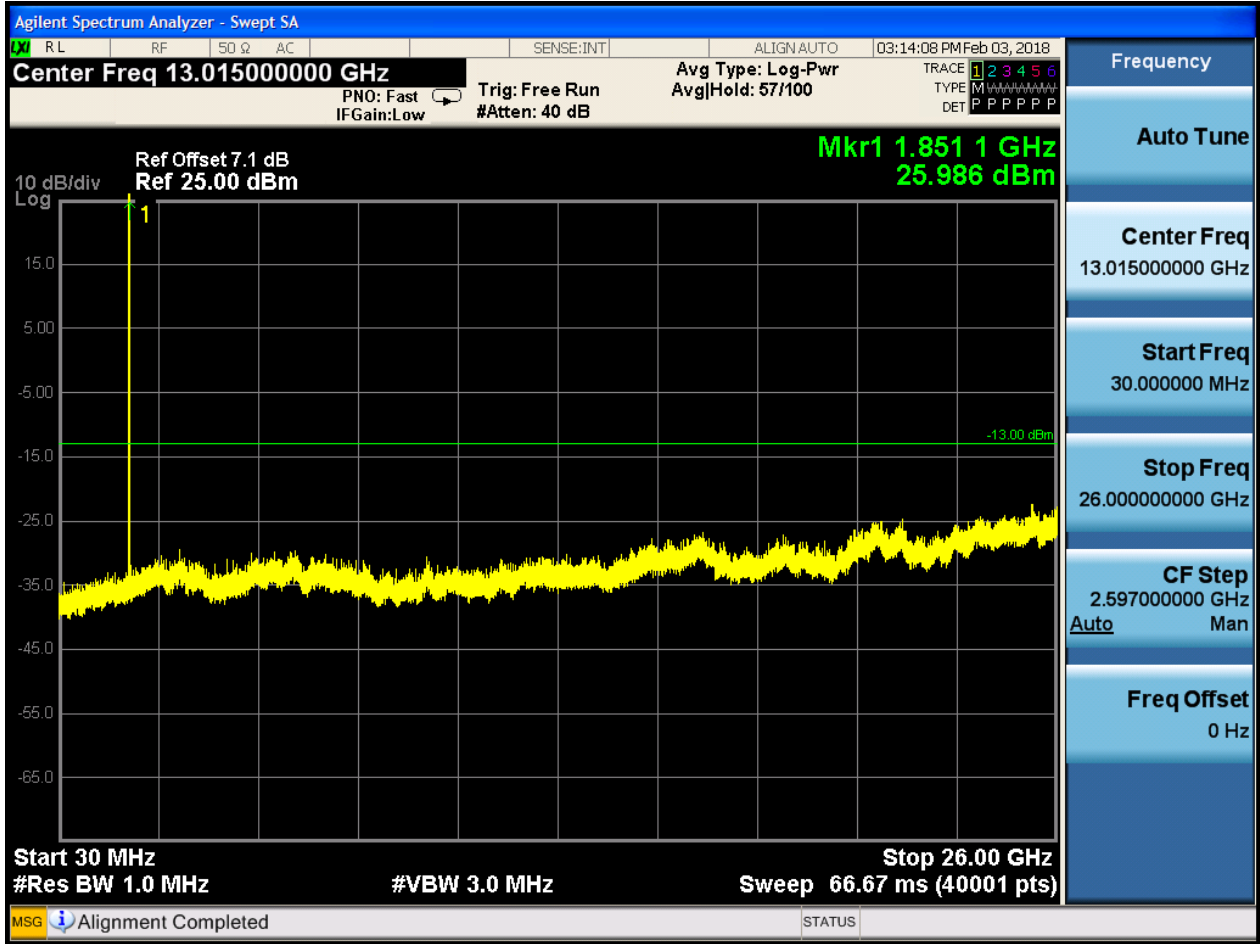
6.1.1.2.6.1 Test Channel = LCH

6.1.1.2.6.1.1 Test RB = RB1#0





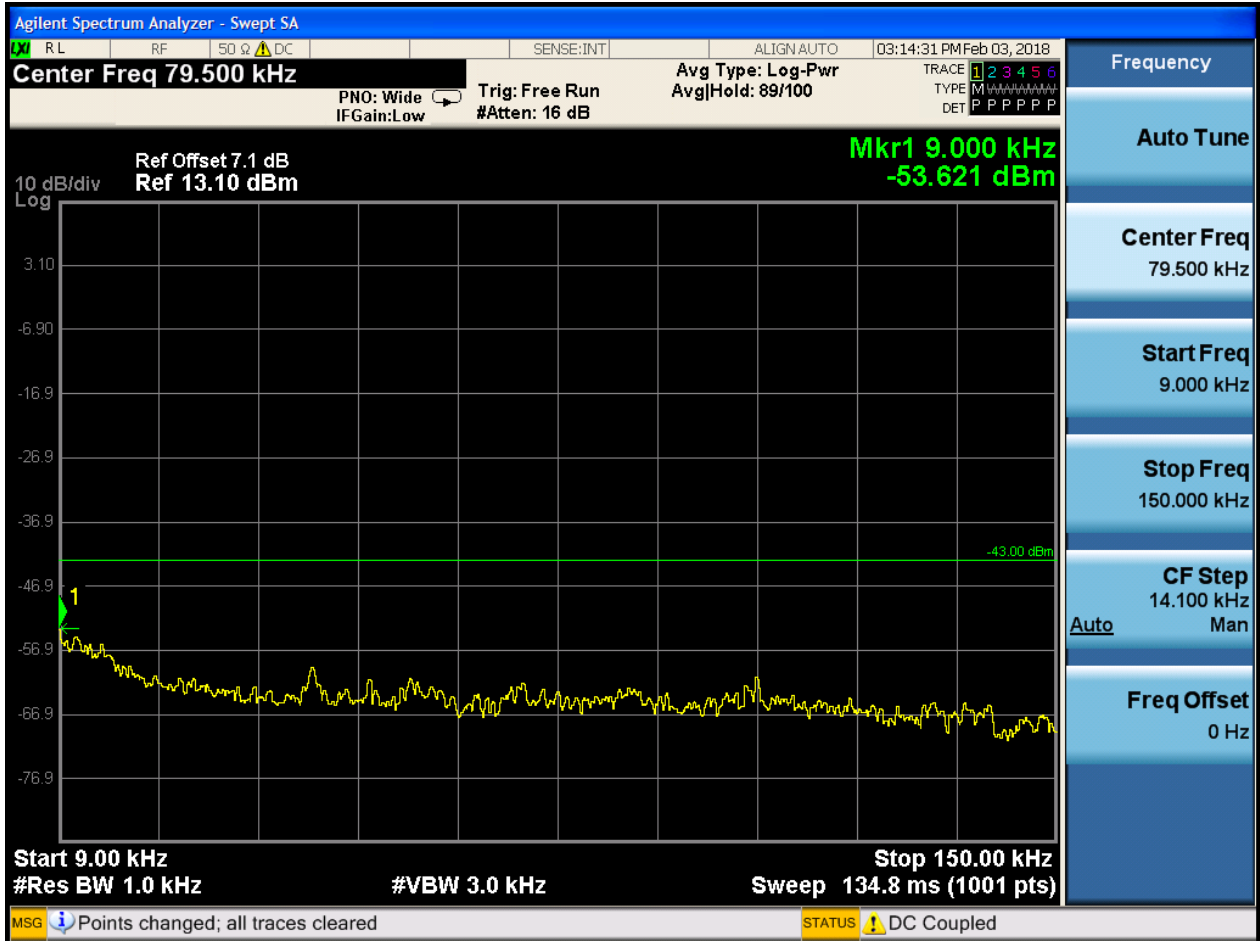


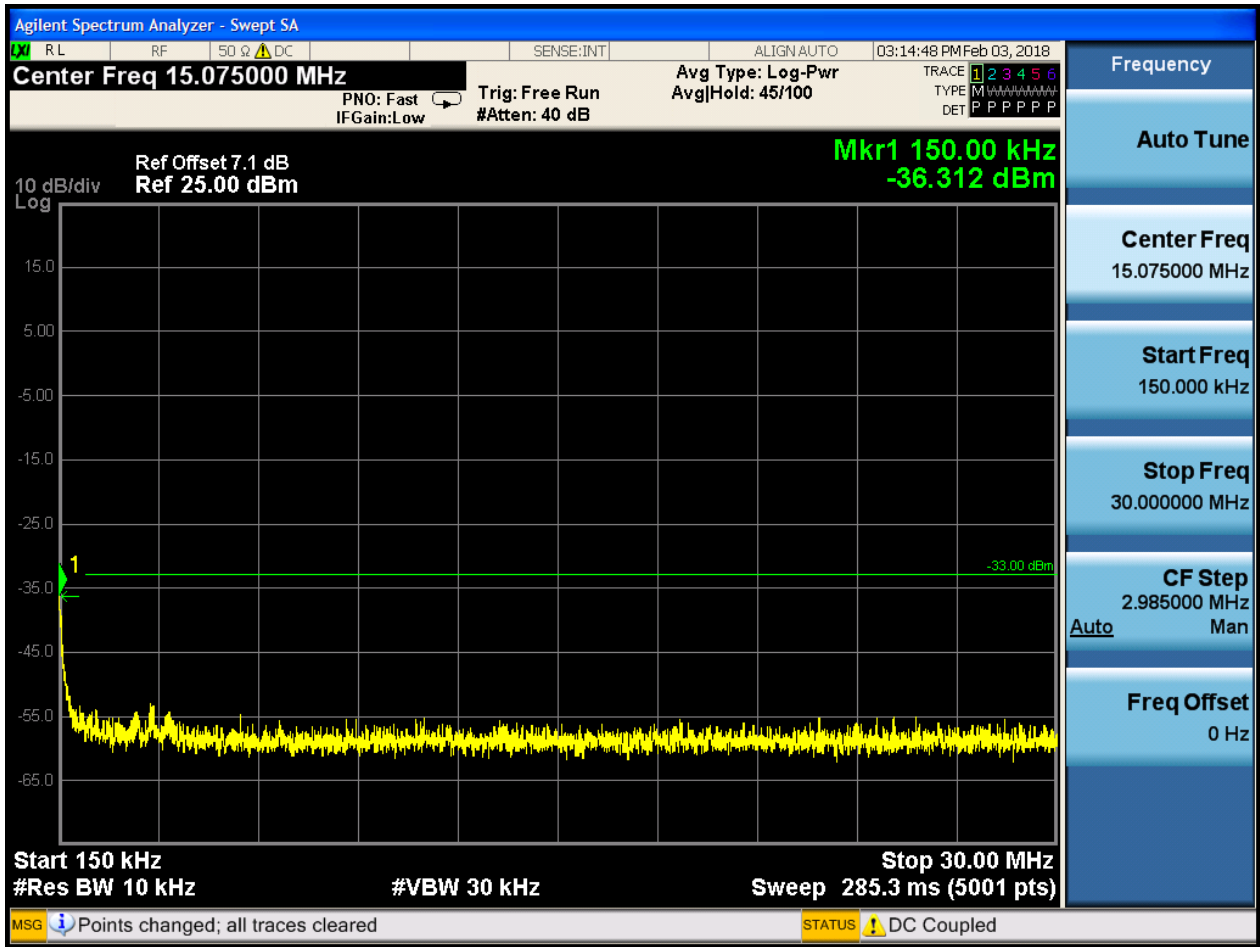


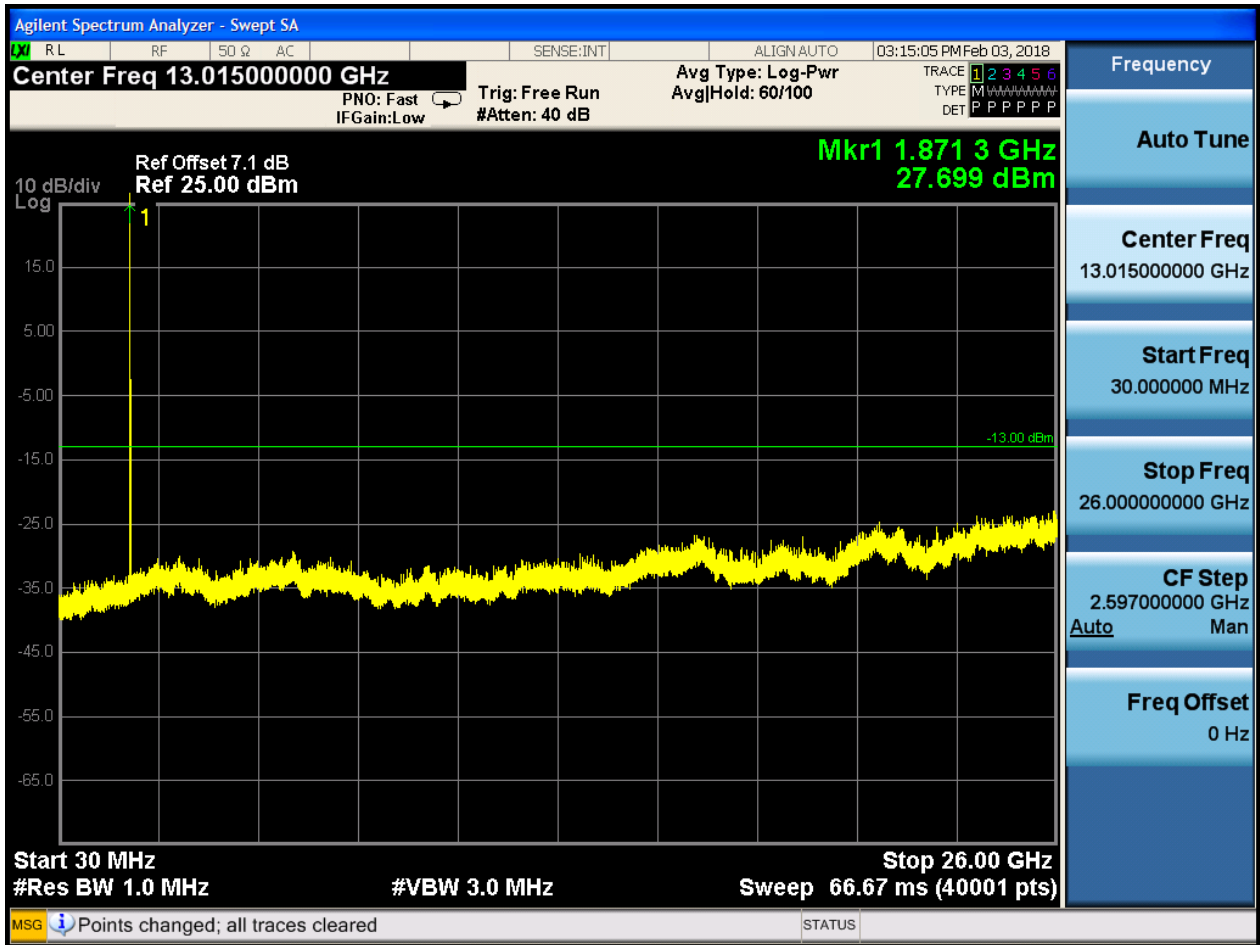


6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0



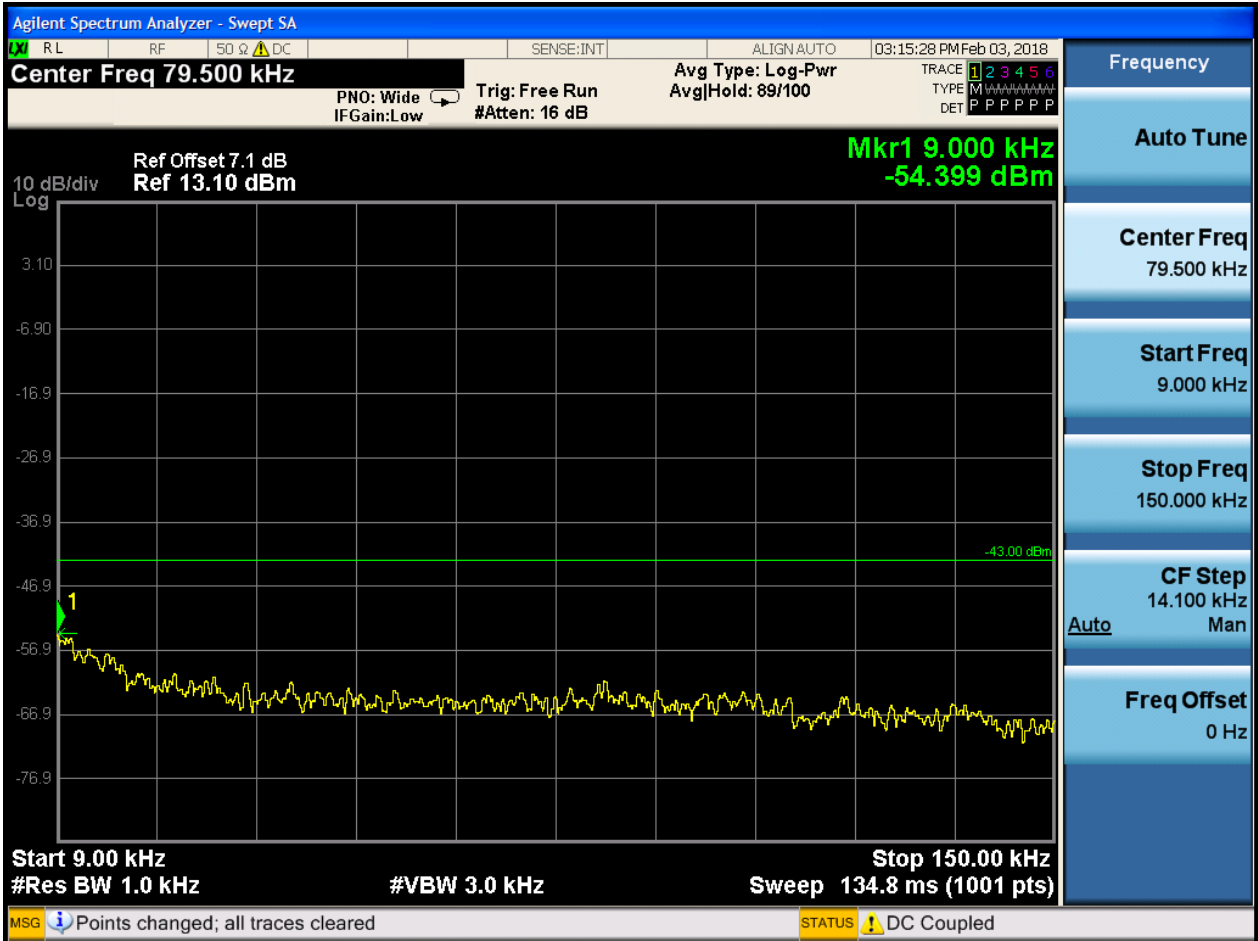


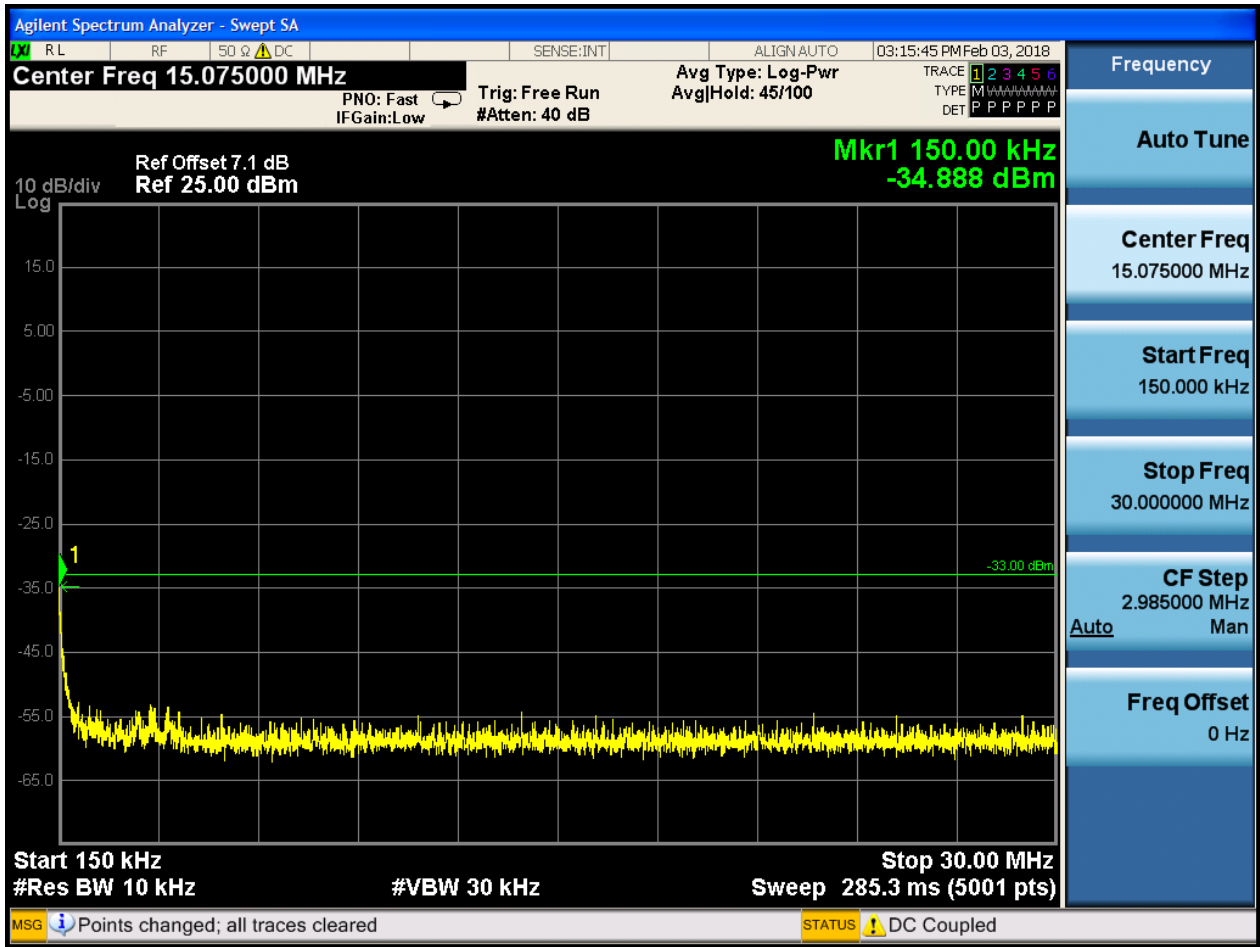


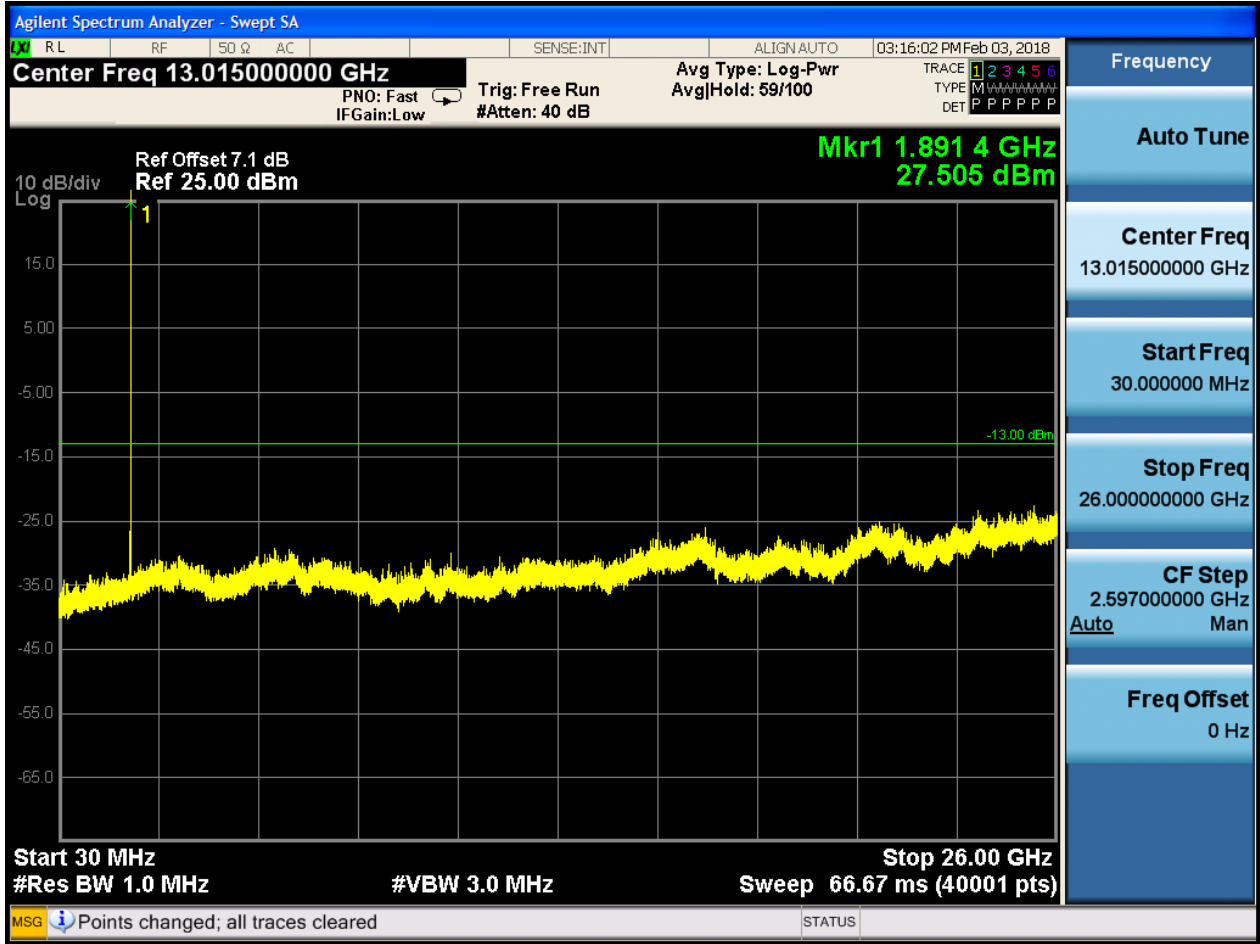


6.1.1.2.6.3 Test Channel = HCH

6.1.1.2.6.3.1 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, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

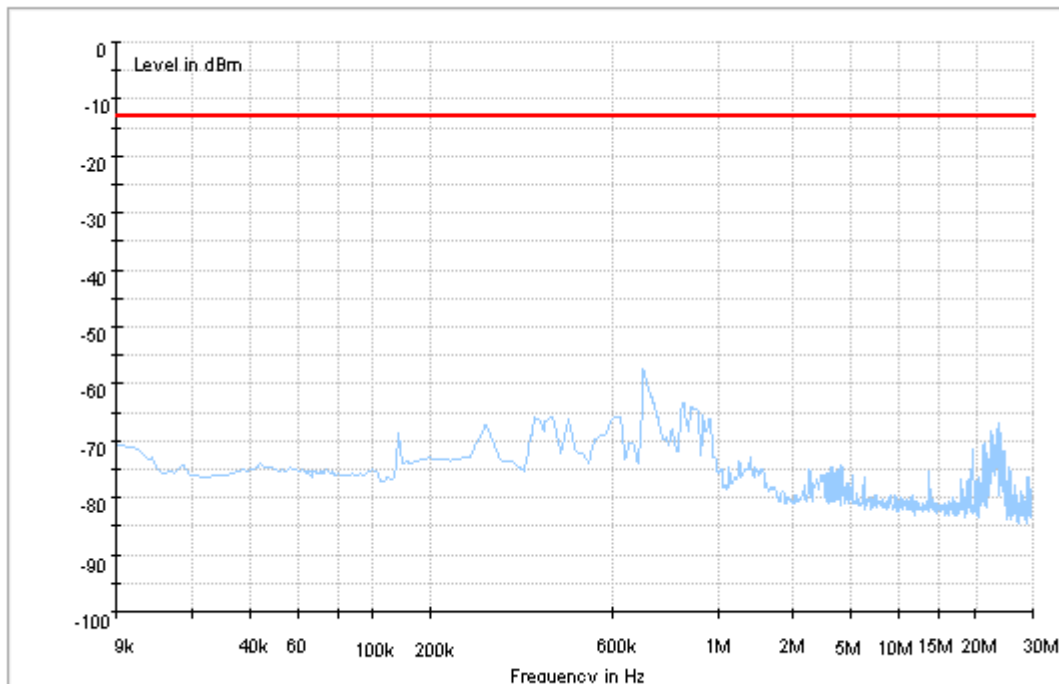
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

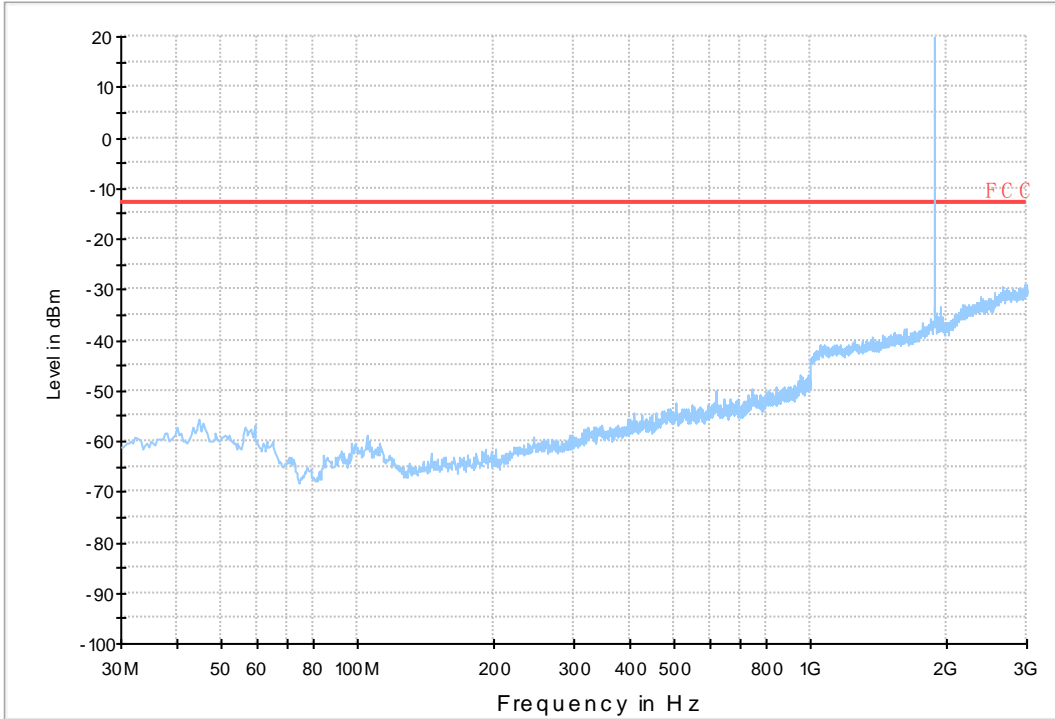
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND2\_ANT1

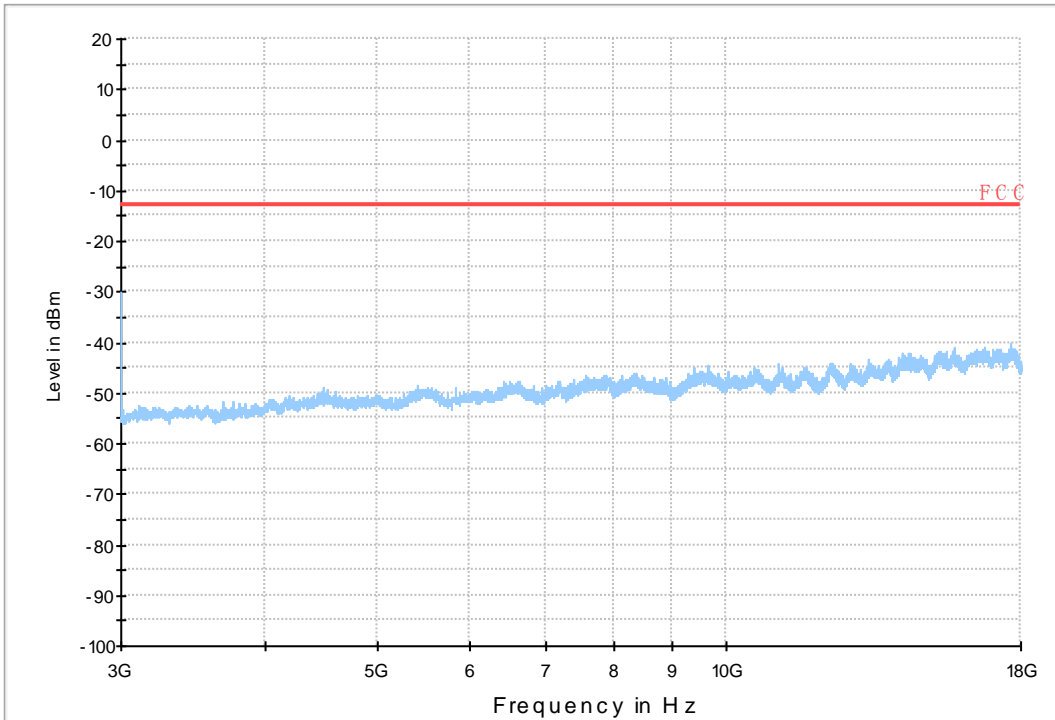
##### 7.1.1.1 Test Bandwidth = 1.4

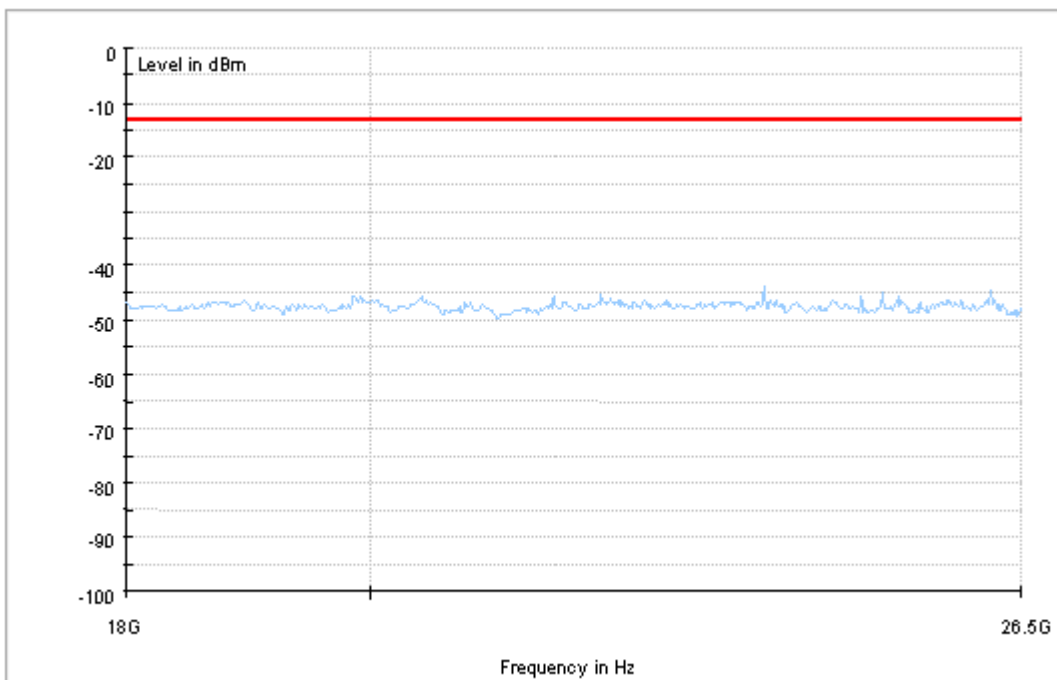


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L

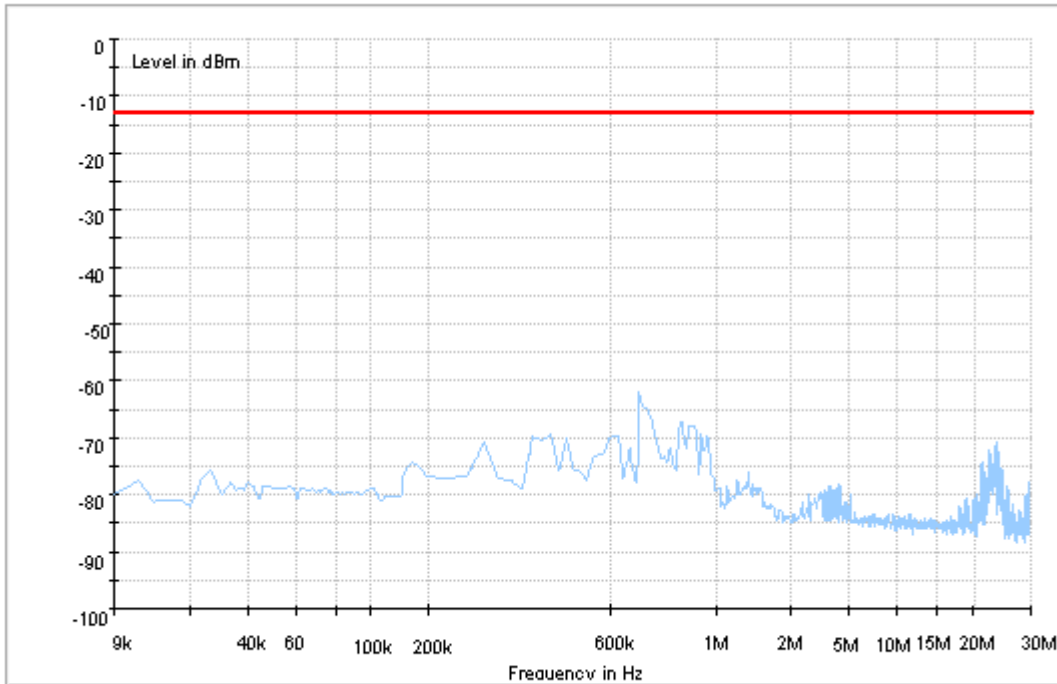


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

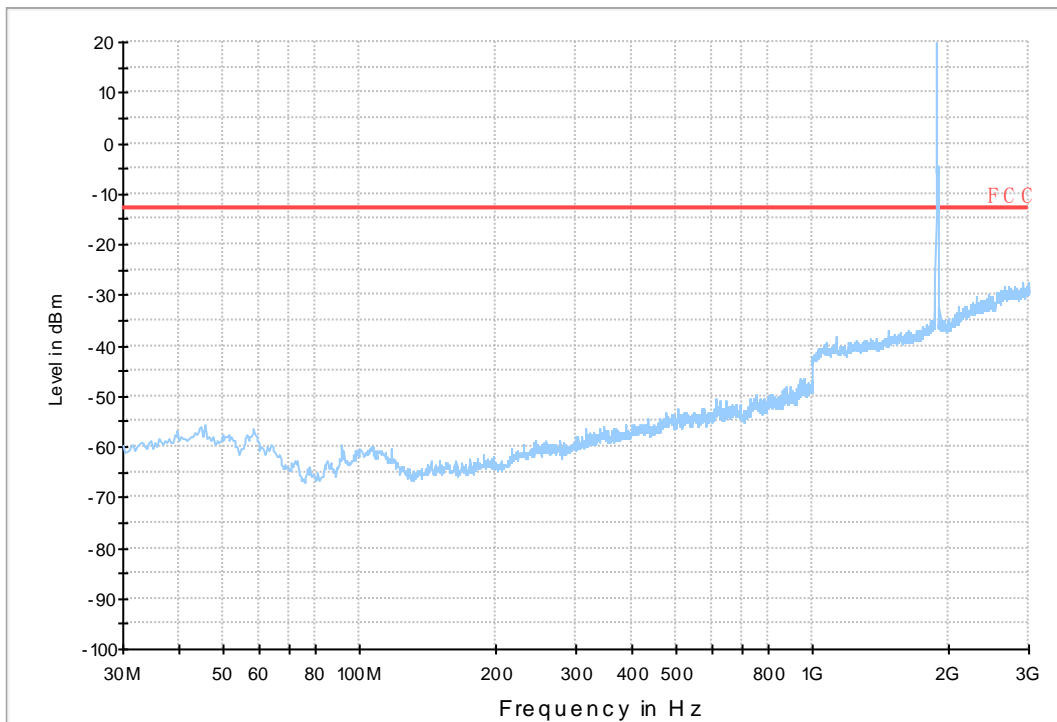




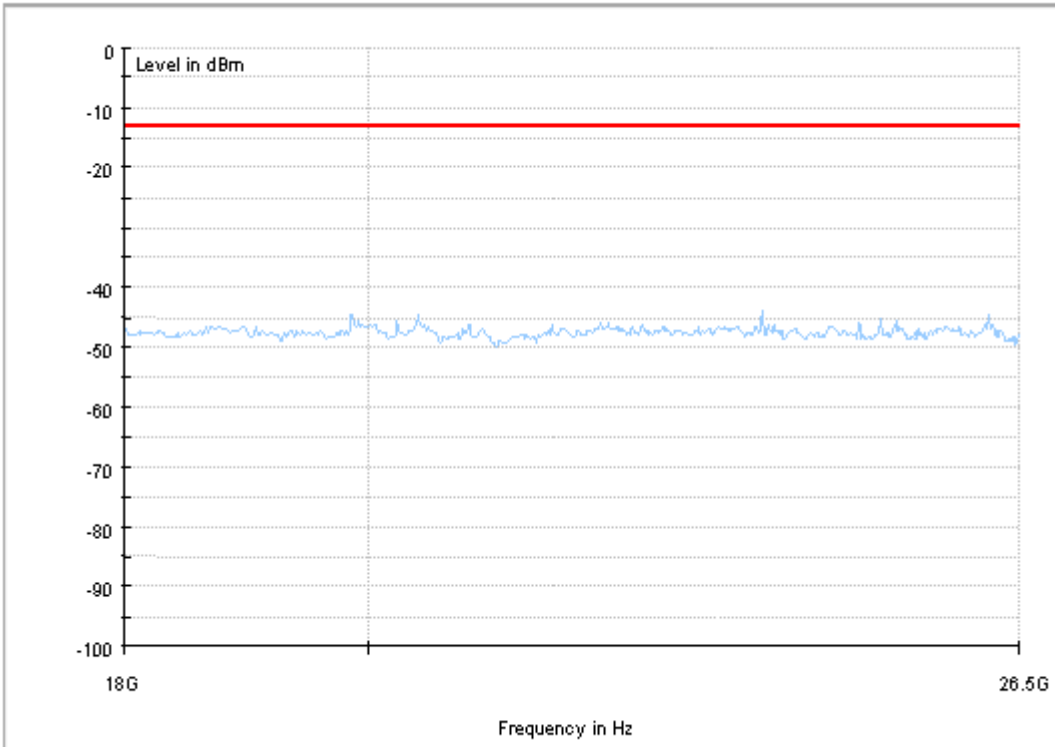
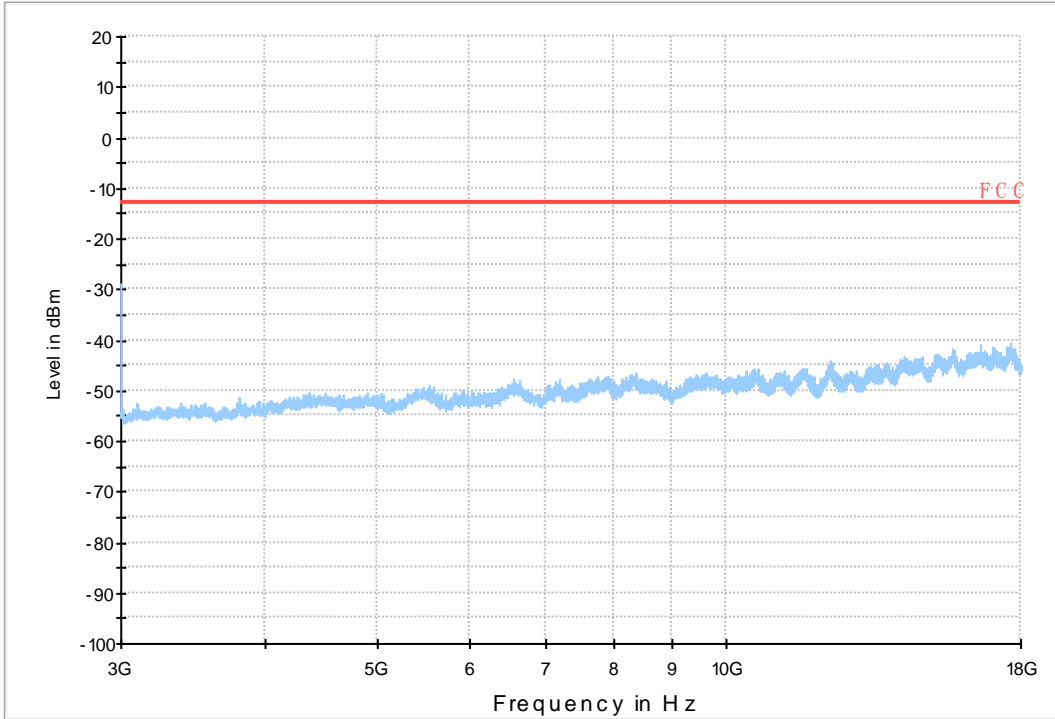
### 7.1.1.2 Test Bandwidth = 20



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

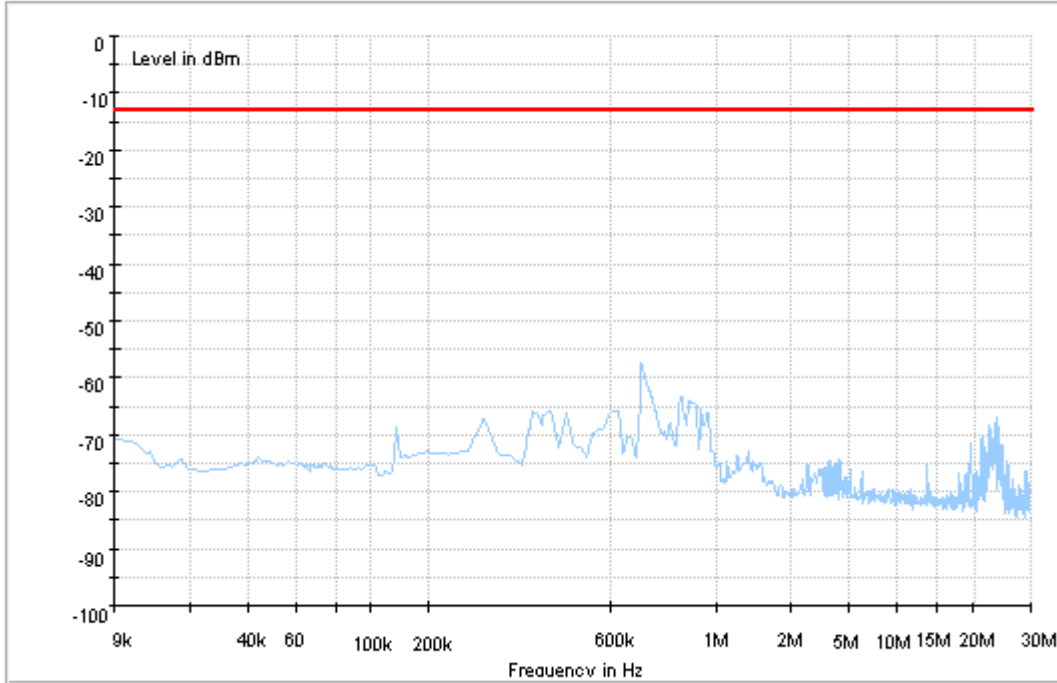


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H

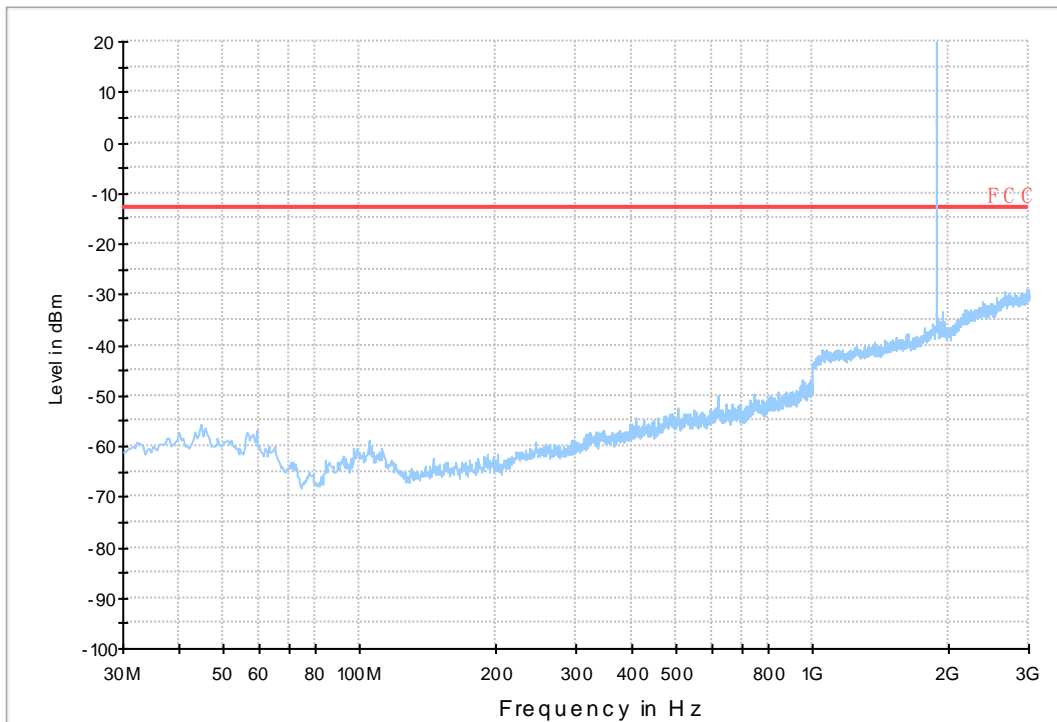


### 7.1.2 Test Band = BAND2\_ANT2

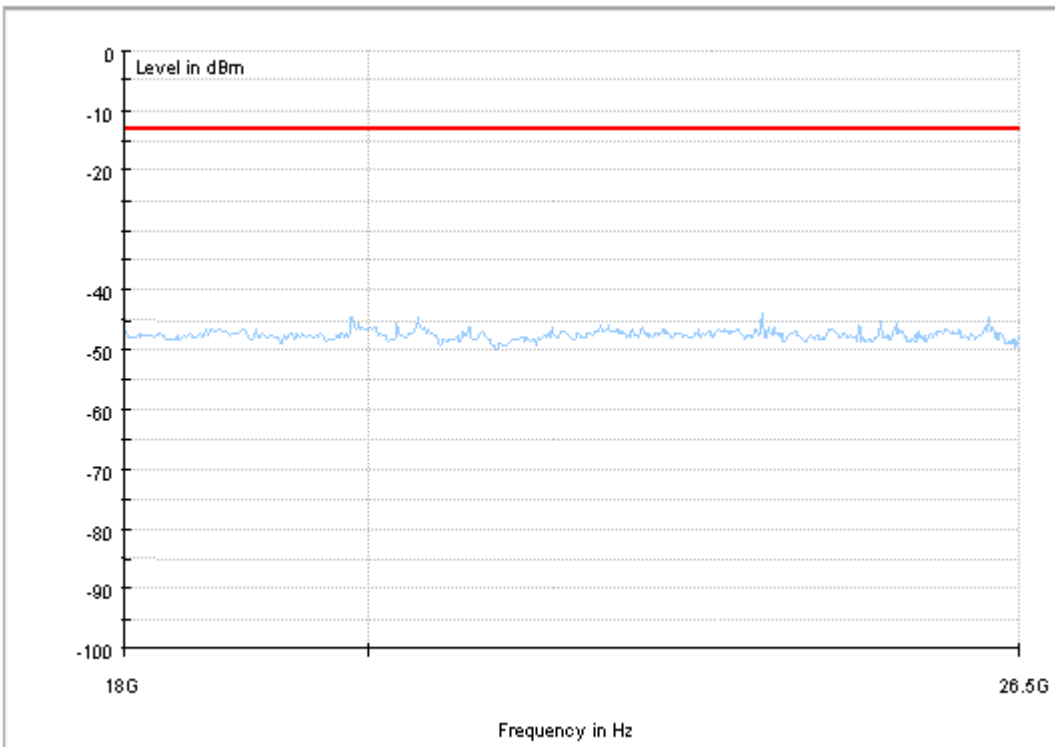
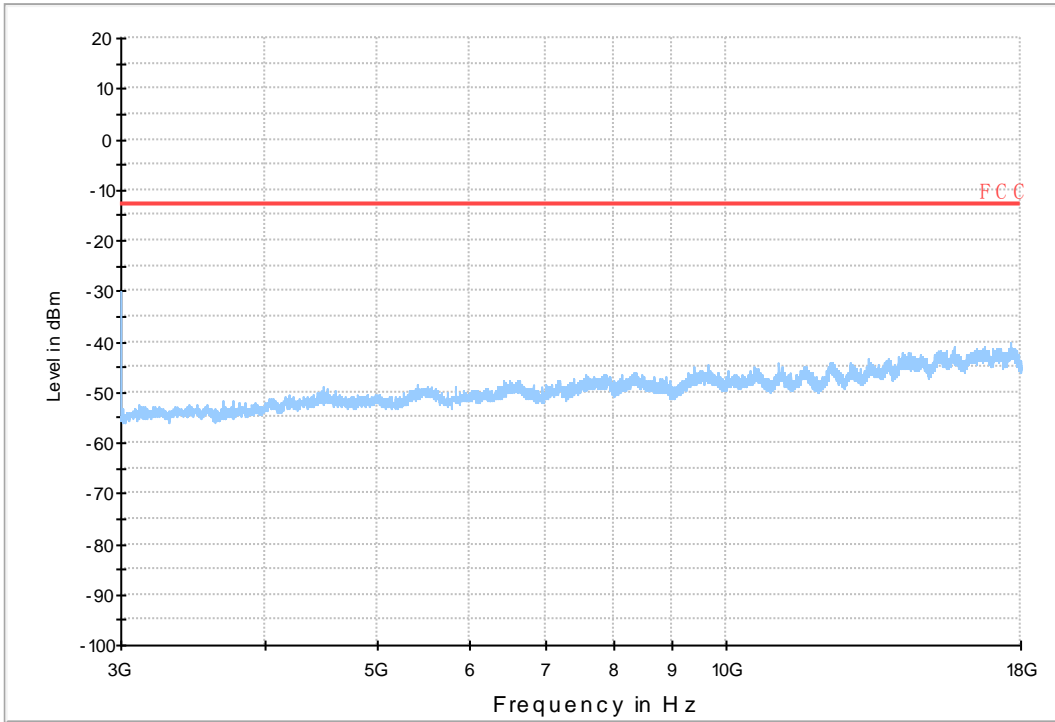
#### 7.1.2.1 Test Bandwidth = 1.4



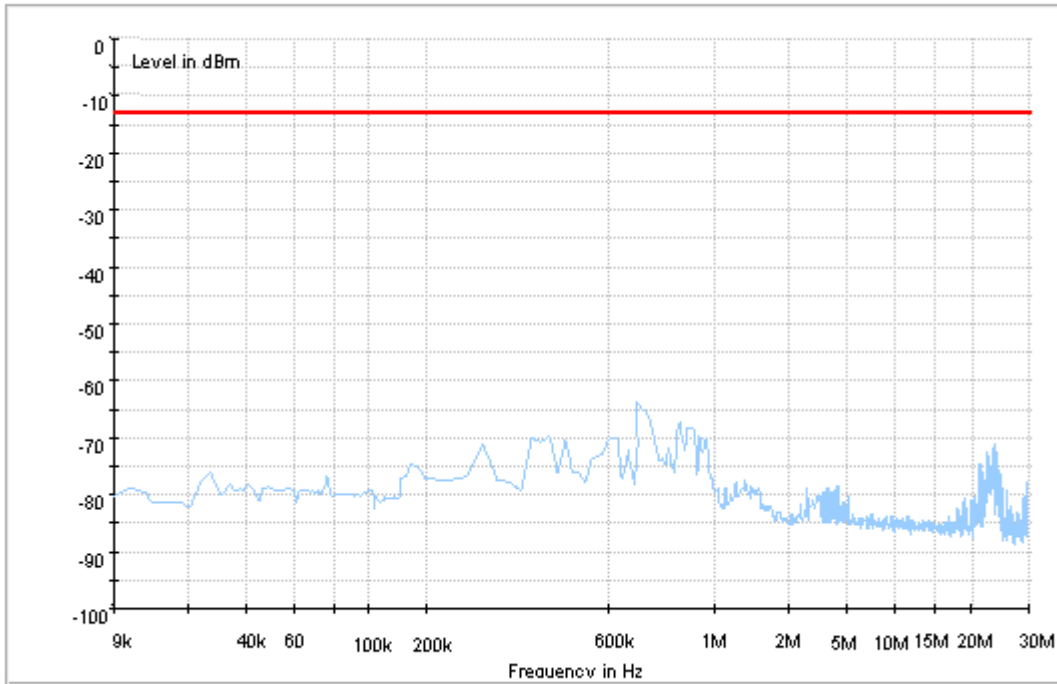
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L



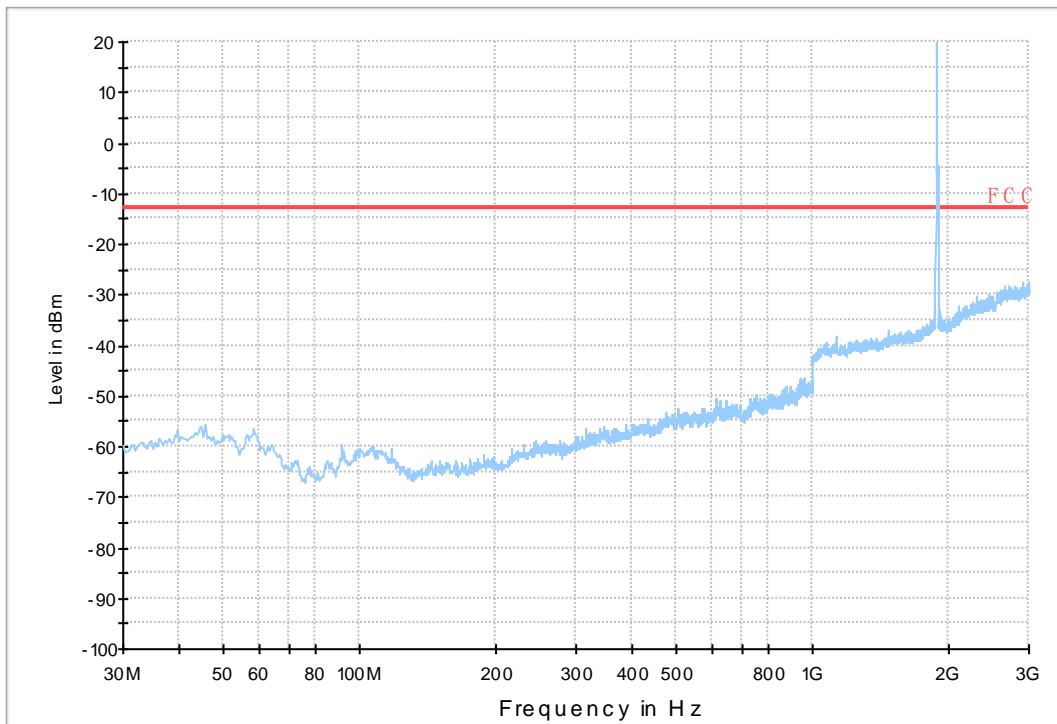
Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_H



### 7.1.2.2 Test Bandwidth = 20

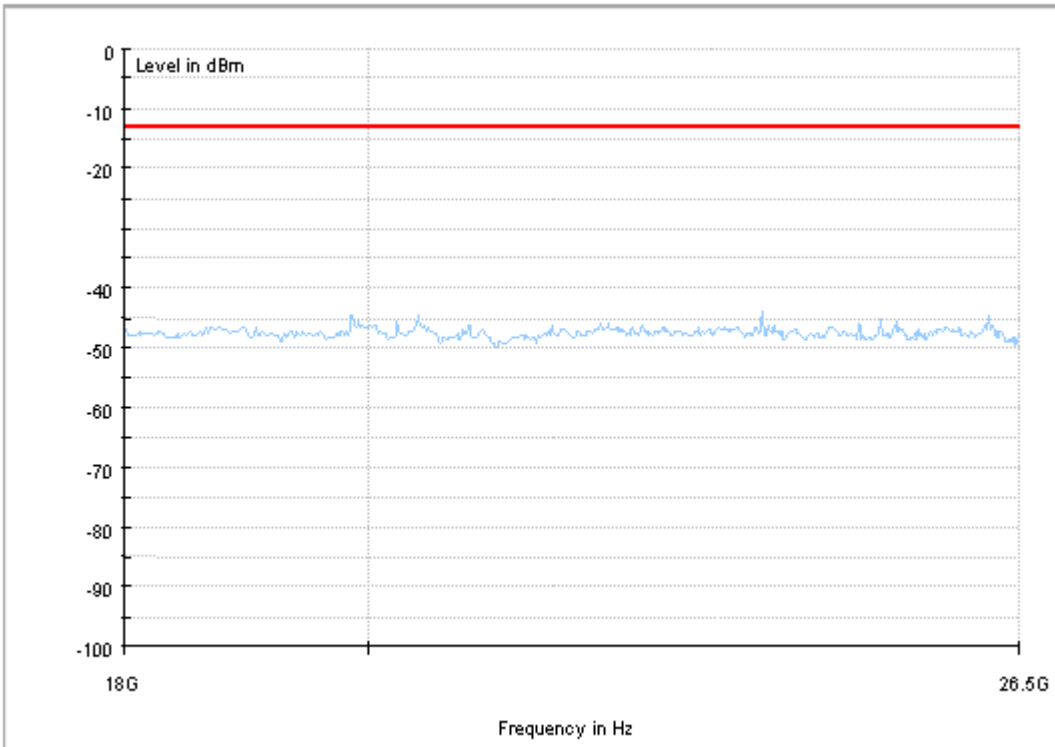
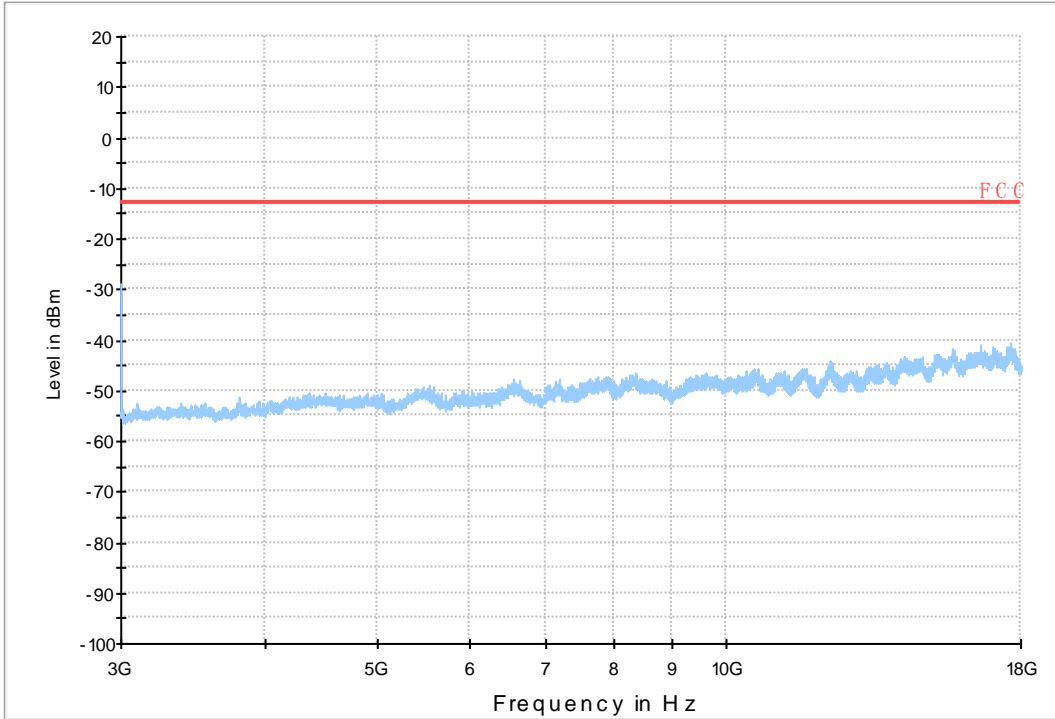


Copy of RSE-TX-DIRECTOR ABOVE 1.5G\_L





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



## 8Appendix\_H: Frequency Stability

### 7.1 For LTE

#### 7.1.1 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
BAND2	LTE/TM1	1.4	LCH	TN	VL	-16.87	-0.00912	PASS
					VN	-22.77	-0.0123	PASS
					VH	-10.19	-0.00551	PASS
			MCH	TN	VL	-11.26	-0.00599	PASS
					VN	-15.71	-0.00836	PASS
					VH	5.95	0.00316	PASS
			HCH	TN	VL	-9.36	-0.0049	PASS
					VN	-23.27	-0.01219	PASS
					VH	-1.86	-0.00097	PASS
		3	LCH	TN	VL	-6.98	-0.00377	PASS
					VN	-16.16	-0.00873	PASS
					VH	-14.19	-0.00766	PASS
			MCH	TN	VL	-16.64	-0.00885	PASS
					VN	-6.39	-0.0034	PASS
					VH	-7.11	-0.00378	PASS
			HCH	TN	VL	-3.38	-0.00177	PASS
					VN	-9.50	-0.00498	PASS
					VH	-5.01	-0.00263	PASS
		5	LCH	TN	VL	-13.79	-0.00744	PASS
					VN	-21.57	-0.01164	PASS
					VH	-2.66	-0.00144	PASS
			MCH	TN	VL	-5.79	-0.00308	PASS
					VN	-30.31	-0.01612	PASS
					VH	-2.83	-0.00151	PASS
HCH	TN		VL	-5.01	-0.00263	PASS		
			VN	-33.20	-0.0174	PASS		
			VH	-6.18	-0.00324	PASS		
10	LCH	TN	VL	-0.69	-0.00037	PASS		
			VN	-1.80	-0.00097	PASS		
			VH	-0.36	-0.00019	PASS		
		MCH	TN	VL	-3.98	-0.00212	PASS	
				VN	-2.93	-0.00156	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
			HCH	TN	VH	-1.44	-0.00077	PASS		
					VL	-0.80	-0.00042	PASS		
					VN	-2.49	-0.00131	PASS		
					VH	-1.97	-0.00103	PASS		
			15	LCH	TN	VL	-0.07	-0.00004	PASS	
						VN	-2.39	-0.00129	PASS	
						VH	-3.33	-0.00179	PASS	
				MCH	TN	VL	-3.03	-0.00161	PASS	
						VN	-3.69	-0.00196	PASS	
						VH	-2.76	-0.00147	PASS	
			HCH	TN	VL	-4.81	-0.00253	PASS		
					VN	-5.79	-0.00304	PASS		
		VH			-5.19	-0.00273	PASS			
		LCH		TN	VL	-0.57	-0.00031	PASS		
					VN	-0.70	-0.00038	PASS		
					VH	-0.04	-0.00002	PASS		
		20	MCH	TN	VL	-8.94	-0.00476	PASS		
					VN	11.06	0.00588	PASS		
					VH	-5.97	-0.00318	PASS		
			HCH	TN	VL	12.10	0.00637	PASS		
					VN	1.52	0.0008	PASS		
					VH	2.73	0.00144	PASS		
		LTE/TM2	1.4	LCH	TN	VL	-10.29	-0.00556	PASS	
						VN	-7.50	-0.00405	PASS	
						VH	1.00	0.00054	PASS	
				MCH	TN	VL	-7.80	-0.00415	PASS	
						VN	-15.44	-0.00821	PASS	
						VH	5.28	0.00281	PASS	
				HCH	TN	VL	-2.10	-0.0011	PASS	
						VN	-7.51	-0.00393	PASS	
						VH	-20.93	-0.01096	PASS	
				3	LCH	TN	VL	3.18	0.00172	PASS
							VN	0.89	0.00048	PASS
							VH	-2.68	-0.00145	PASS
			MCH		TN	VL	-4.55	-0.00242	PASS	
						VN	-3.30	-0.00176	PASS	
						VH	-7.34	-0.0039	PASS	
			HCH	TN	VL	-3.53	-0.00185	PASS		
					VN	-1.06	-0.00056	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					VH	-1.40	-0.00073	PASS			
					5	LCH	TN	VL	-20.37	-0.011	PASS
								VN	-5.55	-0.003	PASS
		VH	-0.97	-0.00052				PASS			
		MCH	TN	VL		-26.49	-0.01409	PASS			
				VN		-26.15	-0.01391	PASS			
				VH		-32.77	-0.01743	PASS			
		HCH	TN	VL	-3.88	-0.00203	PASS				
				VN	-2.65	-0.00139	PASS				
				VH	-21.72	-0.01139	PASS				
		10	LCH	TN	VL	-1.46	-0.00079	PASS			
					VN	0.70	0.00038	PASS			
					VH	-0.41	-0.00022	PASS			
			MCH	TN	VL	-2.96	-0.00157	PASS			
					VN	-4.01	-0.00213	PASS			
					VH	-1.22	-0.00065	PASS			
			HCH	TN	VL	-2.10	-0.0011	PASS			
					VN	-1.99	-0.00104	PASS			
					VH	-1.42	-0.00075	PASS			
		15	LCH	TN	VL	-1.96	-0.00106	PASS			
					VN	-3.00	-0.00162	PASS			
					VH	-0.76	-0.00041	PASS			
			MCH	TN	VL	-1.70	-0.0009	PASS			
					VN	-1.46	-0.00078	PASS			
					VH	-1.90	-0.00101	PASS			
			HCH	TN	VL	-3.50	-0.00184	PASS			
					VN	-3.10	-0.00163	PASS			
					VH	-2.99	-0.00157	PASS			
		20	LCH	TN	VL	1.67	0.0009	PASS			
					VN	-0.51	-0.00027	PASS			
					VH	-0.64	-0.00034	PASS			
			MCH	TN	VL	-2.99	-0.00159	PASS			
					VN	-1.52	-0.00081	PASS			
					VH	-1.06	-0.00056	PASS			
			HCH	TN	VL	-1.17	-0.00062	PASS			
					VN	-0.94	-0.00049	PASS			
					VH	0.37	0.00019	PASS			

## 7.1.2 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
BAND2	LTE/TM1	1.4	LCH	VN	-30	10.81	0.00584	PASS
					-20	1.85	0.001	PASS
					-10	-9.97	-0.00539	PASS
					0	-0.84	-0.00045	PASS
					10	5.64	0.00305	PASS
					20	-0.44	-0.00024	PASS
					30	-1.95	-0.00105	PASS
					40	-0.80	-0.00043	PASS
					50	-2.29	-0.00124	PASS
			MCH	VN	-30	0.72	0.00038	PASS
					-20	-24.55	-0.01306	PASS
					-10	9.60	0.00511	PASS
					0	6.28	0.00334	PASS
					10	-4.12	-0.00219	PASS
					20	-8.84	-0.0047	PASS
					30	-9.94	-0.00529	PASS
					40	4.43	0.00236	PASS
					50	-3.63	-0.00193	PASS
		HCH	VN	-30	7.97	0.00417	PASS	
				-20	52.39	0.02744	PASS	
				-10	7.35	0.00385	PASS	
				0	-8.04	-0.00421	PASS	
				10	-12.96	-0.00679	PASS	
				20	4.99	0.00261	PASS	
				30	5.79	0.00303	PASS	
				40	9.21	0.00482	PASS	
				50	-16.22	-0.0085	PASS	
		3	LCH	VN	-30	-4.12	-0.00223	PASS
					-20	-4.39	-0.00237	PASS
					-10	-2.03	-0.0011	PASS
0	-6.11				-0.0033	PASS		
10	0.83				0.00045	PASS		
20	0.74				0.0004	PASS		
30	-6.92				-0.00374	PASS		
40	-5.35				-0.00289	PASS		
50	0.74				0.0004	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	-30	-11.39	-0.00606	PASS
					-20	-0.69	-0.00037	PASS
					-10	-1.27	-0.00068	PASS
					0	-1.26	-0.00067	PASS
					10	-0.96	-0.00051	PASS
					20	-3.69	-0.00196	PASS
					30	-3.95	-0.0021	PASS
					40	-7.68	-0.00409	PASS
					50	-2.13	-0.00113	PASS
			HCH	VN	-30	-4.41	-0.00231	PASS
					-20	-1.00	-0.00052	PASS
					-10	0.01	0.00001	PASS
					0	0.37	0.00019	PASS
					10	-17.60	-0.00922	PASS
					20	-2.33	-0.00122	PASS
					30	-7.57	-0.00397	PASS
					40	-1.63	-0.00085	PASS
					50	-6.12	-0.00321	PASS
		5	LCH	VN	-30	-1.03	-0.00056	PASS
					-20	-1.99	-0.00107	PASS
					-10	-19.47	-0.01051	PASS
					0	-1.02	-0.00055	PASS
					10	-26.84	-0.01449	PASS
					20	-4.73	-0.00255	PASS
					30	-1.27	-0.00069	PASS
					40	-4.72	-0.00255	PASS
					50	1.06	0.00057	PASS
			MCH	VN	-30	-1.57	-0.00084	PASS
					-20	-0.49	-0.00026	PASS
					-10	-34.58	-0.01839	PASS
					0	-14.23	-0.00757	PASS
					10	-1.47	-0.00078	PASS
					20	-1.09	-0.00058	PASS
					30	-1.59	-0.00085	PASS
					40	-13.69	-0.00728	PASS
					50	-0.27	-0.00014	PASS
		HCH	VN	-30	-17.81	-0.00934	PASS	
				-20	-2.32	-0.00122	PASS	
				-10	-2.23	-0.00117	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					0	-23.00	-0.01206	PASS		
					10	-1.76	-0.00092	PASS		
					20	-3.25	-0.0017	PASS		
					30	-11.67	-0.00612	PASS		
					40	-4.42	-0.00232	PASS		
					50	-21.69	-0.01137	PASS		
		10	LCH	VN	-30	1.50	0.00081	PASS		
					-20	-0.47	-0.00025	PASS		
					-10	-0.11	-0.00006	PASS		
					0	1.27	0.00068	PASS		
					10	2.07	0.00112	PASS		
					20	1.09	0.00059	PASS		
					30	0.44	0.00024	PASS		
					40	1.22	0.00066	PASS		
					50	-1.43	-0.00077	PASS		
					MCH	VN	-30	-1.92	-0.00102	PASS
							-20	-1.56	-0.00083	PASS
							-10	-2.63	-0.0014	PASS
			0	-1.83			-0.00097	PASS		
			10	-0.49			-0.00026	PASS		
			20	0.24			0.00013	PASS		
			HCH	VN	30	-3.22	-0.00171	PASS		
					40	-1.34	-0.00071	PASS		
					50	-2.12	-0.00113	PASS		
					-30	0.50	0.00026	PASS		
					-20	-1.32	-0.00069	PASS		
					-10	-3.12	-0.00164	PASS		
			15	LCH	VN	0	0.23	0.00012	PASS	
						10	-1.52	-0.0008	PASS	
						20	0.89	0.00047	PASS	
		30				-0.97	-0.00051	PASS		
		40				1.82	0.00096	PASS		
		50				0.59	0.00031	PASS		
		-30				-0.94	-0.00051	PASS		
		-20				-1.76	-0.00095	PASS		
		-10				-0.92	-0.0005	PASS		
		0				-1.40	-0.00075	PASS		
		10	-2.00	-0.00108	PASS					
		20	-2.90	-0.00156	PASS					

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	-2.72	-0.00146	PASS		
					40	-3.76	-0.00202	PASS		
					50	-1.33	-0.00072	PASS		
			MCH	VN	-30	-3.39	-0.0018	PASS		
					-20	-3.38	-0.0018	PASS		
					-10	-2.33	-0.00124	PASS		
					0	-1.82	-0.00097	PASS		
					10	-1.73	-0.00092	PASS		
					20	-0.60	-0.00032	PASS		
					30	-2.95	-0.00157	PASS		
					40	-1.83	-0.00097	PASS		
					50	-0.82	-0.00044	PASS		
					HCH	VN	-30	-2.76	-0.00145	PASS
			-20	-4.28			-0.00225	PASS		
			-10	-3.03			-0.00159	PASS		
			0	-3.78			-0.00199	PASS		
			10	-3.69			-0.00194	PASS		
			20	-2.73			-0.00143	PASS		
			30	-2.53			-0.00133	PASS		
			40	-2.60			-0.00137	PASS		
			20		LCH	VN	-30	1.23	0.00066	PASS
							-20	-0.19	-0.0001	PASS
							-10	-1.00	-0.00054	PASS
							0	0.26	0.00014	PASS
							10	0.39	0.00021	PASS
							20	1.06	0.00057	PASS
							30	0.37	0.0002	PASS
							40	1.72	0.00092	PASS
					50	1.10	0.00059	PASS		
					MCH	VN	-30	-1.23	-0.00065	PASS
							-20	-2.06	-0.0011	PASS
							-10	-1.24	-0.00066	PASS
							0	-3.03	-0.00161	PASS
							10	-0.94	-0.0005	PASS
							20	-5.62	-0.00299	PASS
			30	-5.82			-0.0031	PASS		
40	-7.45	-0.00396	PASS							
50	-4.42	-0.00235	PASS							



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	-30	0.47	0.00025	PASS
					-20	-1.12	-0.00059	PASS
					-10	-1.07	-0.00056	PASS
					0	-0.49	-0.00026	PASS
					10	-0.07	-0.00004	PASS
					20	1.27	0.00067	PASS
					30	-0.63	-0.00033	PASS
					40	1.04	0.00055	PASS
					50	-0.92	-0.00048	PASS
			LCH	VN	-30	5.61	0.00303	PASS
					-20	0.41	0.00022	PASS
					-10	-86.87	-0.04694	PASS
					0	1.02	0.00055	PASS
					10	3.66	0.00198	PASS
					20	0.14	0.00008	PASS
					30	-0.50	-0.00027	PASS
					40	-26.21	-0.01416	PASS
					50	0.87	0.00047	PASS
	MCH	VN	-30	-5.66	-0.00301	PASS		
			-20	-7.48	-0.00398	PASS		
			-10	-6.57	-0.00349	PASS		
			0	3.15	0.00168	PASS		
			10	-1.87	-0.00099	PASS		
			20	-0.24	-0.00013	PASS		
			30	-10.97	-0.00584	PASS		
			40	4.92	0.00262	PASS		
			50	2.52	0.00134	PASS		
	HCH	VN	-30	-21.44	-0.01123	PASS		
			-20	-2.73	-0.00143	PASS		
			-10	-37.71	-0.01975	PASS		
			0	-13.63	-0.00714	PASS		
			10	4.52	0.00237	PASS		
			20	-0.51	-0.00027	PASS		
			30	4.15	0.00217	PASS		
			40	-8.96	-0.00469	PASS		
			50	2.03	0.00106	PASS		
	3	LCH	VN	-30	-2.33	-0.00126	PASS	
				-20	-6.82	-0.00368	PASS	
				-10	2.19	0.00118	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					0	1.50	0.00081	PASS	
					10	-8.45	-0.00456	PASS	
					20	-3.35	-0.00181	PASS	
					30	4.59	0.00248	PASS	
					40	-6.32	-0.00341	PASS	
					50	3.22	0.00174	PASS	
			MCH	VN	-30	-3.36	-0.00179	PASS	
					-20	-25.63	-0.01363	PASS	
					-10	-38.82	-0.02065	PASS	
					0	-0.97	-0.00052	PASS	
					10	-30.11	-0.01602	PASS	
					20	-5.21	-0.00277	PASS	
					30	-7.57	-0.00403	PASS	
					40	-0.90	-0.00048	PASS	
			HCH	VN	50	-3.26	-0.00173	PASS	
					-30	-1.90	-0.001	PASS	
					-20	-2.98	-0.00156	PASS	
					-10	-3.26	-0.00171	PASS	
					0	-6.64	-0.00348	PASS	
					10	1.76	0.00092	PASS	
					20	-2.92	-0.00153	PASS	
					30	0.67	0.00035	PASS	
			5	LCH	VN	40	-3.68	-0.00193	PASS
						50	2.09	0.0011	PASS
						-30	-15.78	-0.00852	PASS
						-20	-13.07	-0.00706	PASS
						-10	1.36	0.00073	PASS
						0	-5.14	-0.00277	PASS
						10	-27.27	-0.01472	PASS
						20	-7.30	-0.00394	PASS
						30	-1.53	-0.00083	PASS
						40	-1.23	-0.00066	PASS
			MCH	VN	50	-23.50	-0.01269	PASS	
					-30	-0.84	-0.00045	PASS	
					-20	-3.45	-0.00184	PASS	
					-10	-2.33	-0.00124	PASS	
0	-23.05	-0.01226			PASS				
10	-1.23	-0.00065			PASS				
					20	-36.92	-0.01964	PASS	