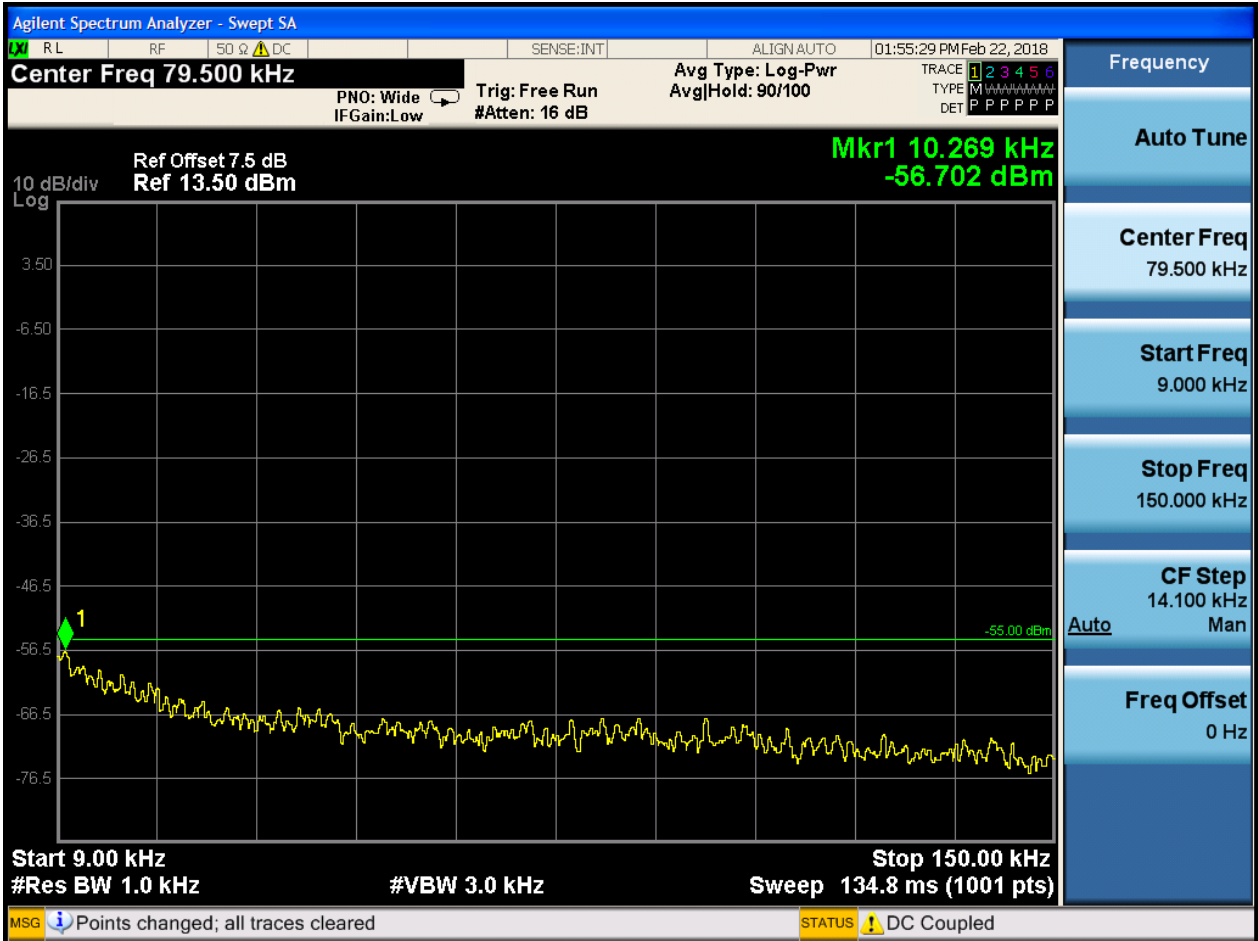
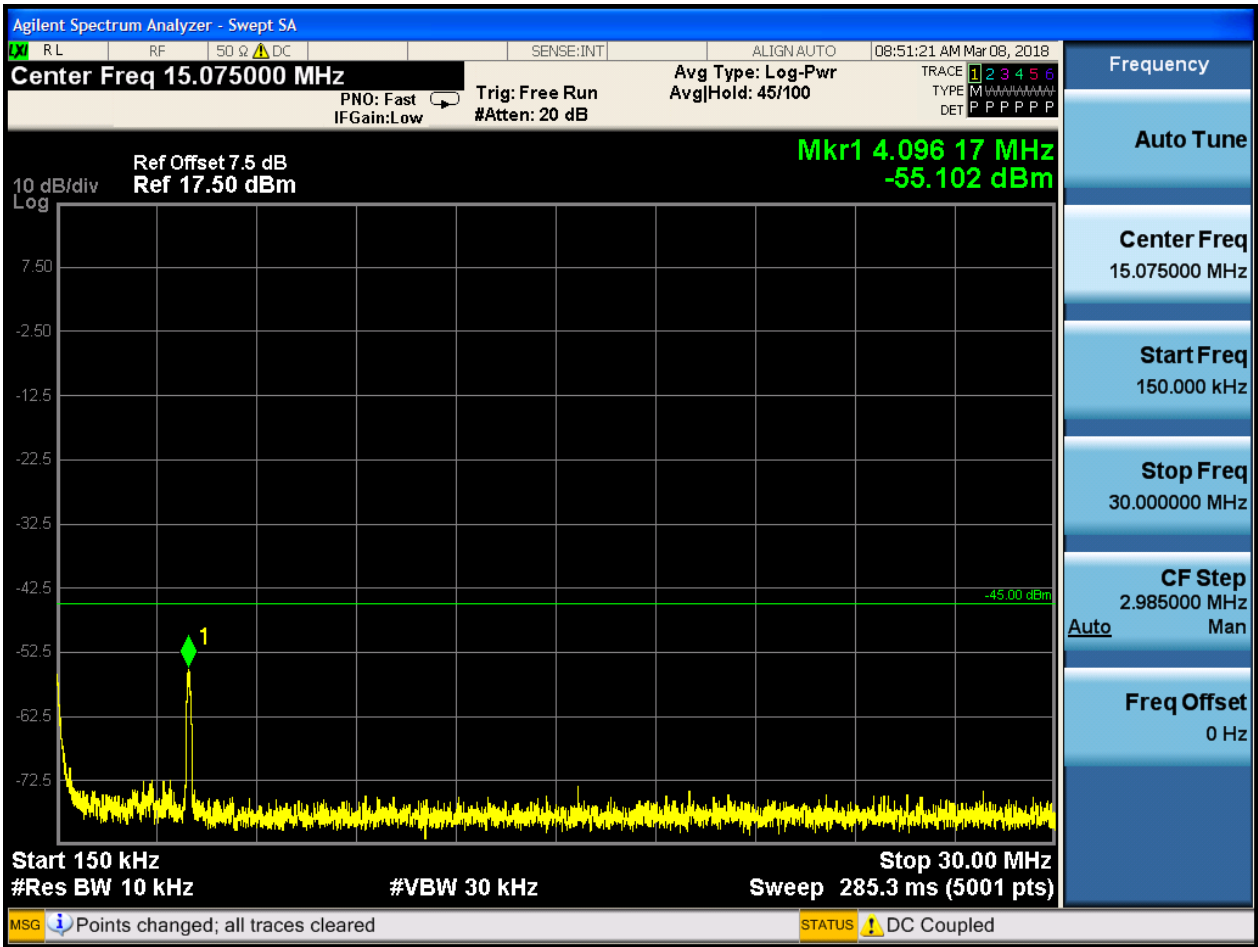


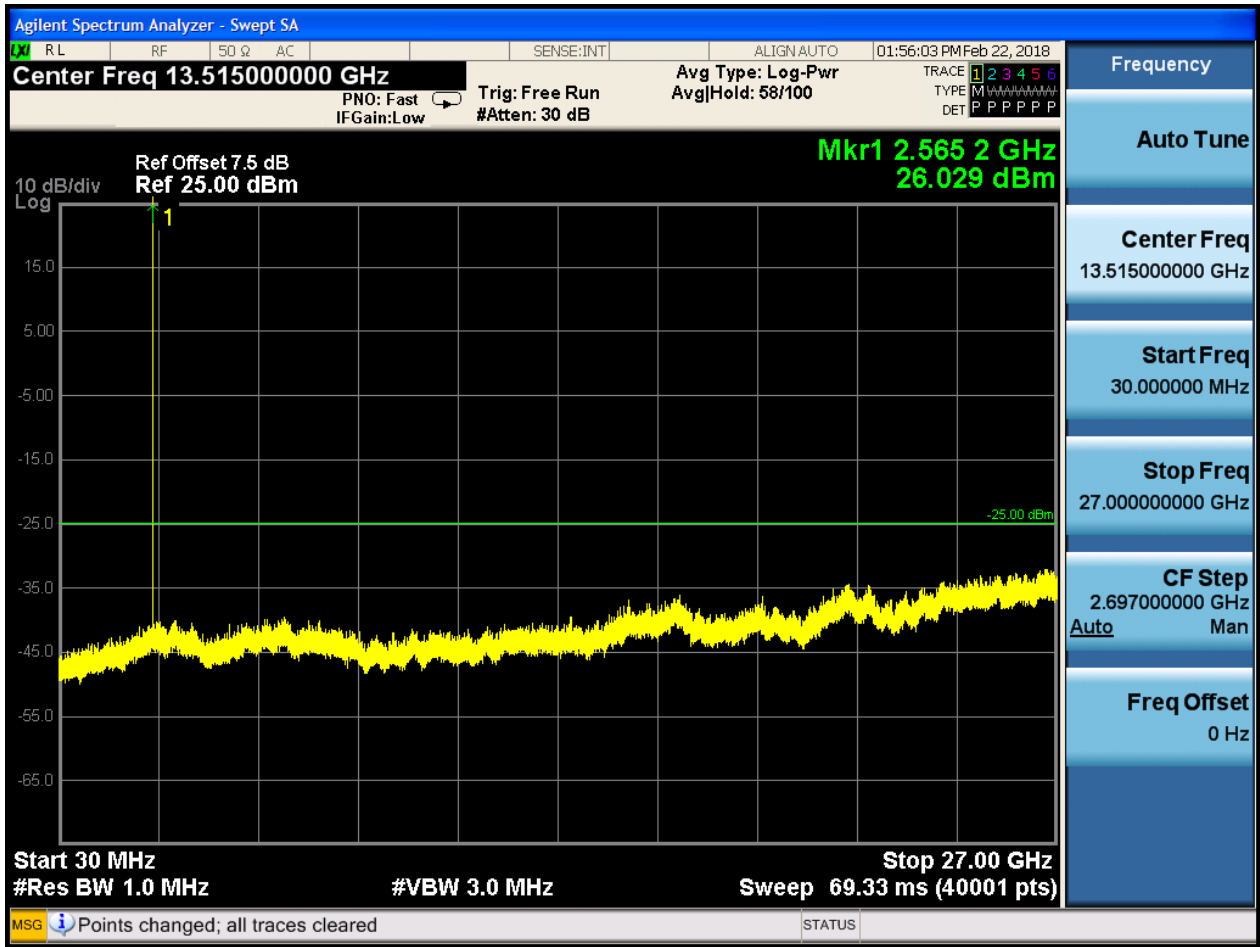


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





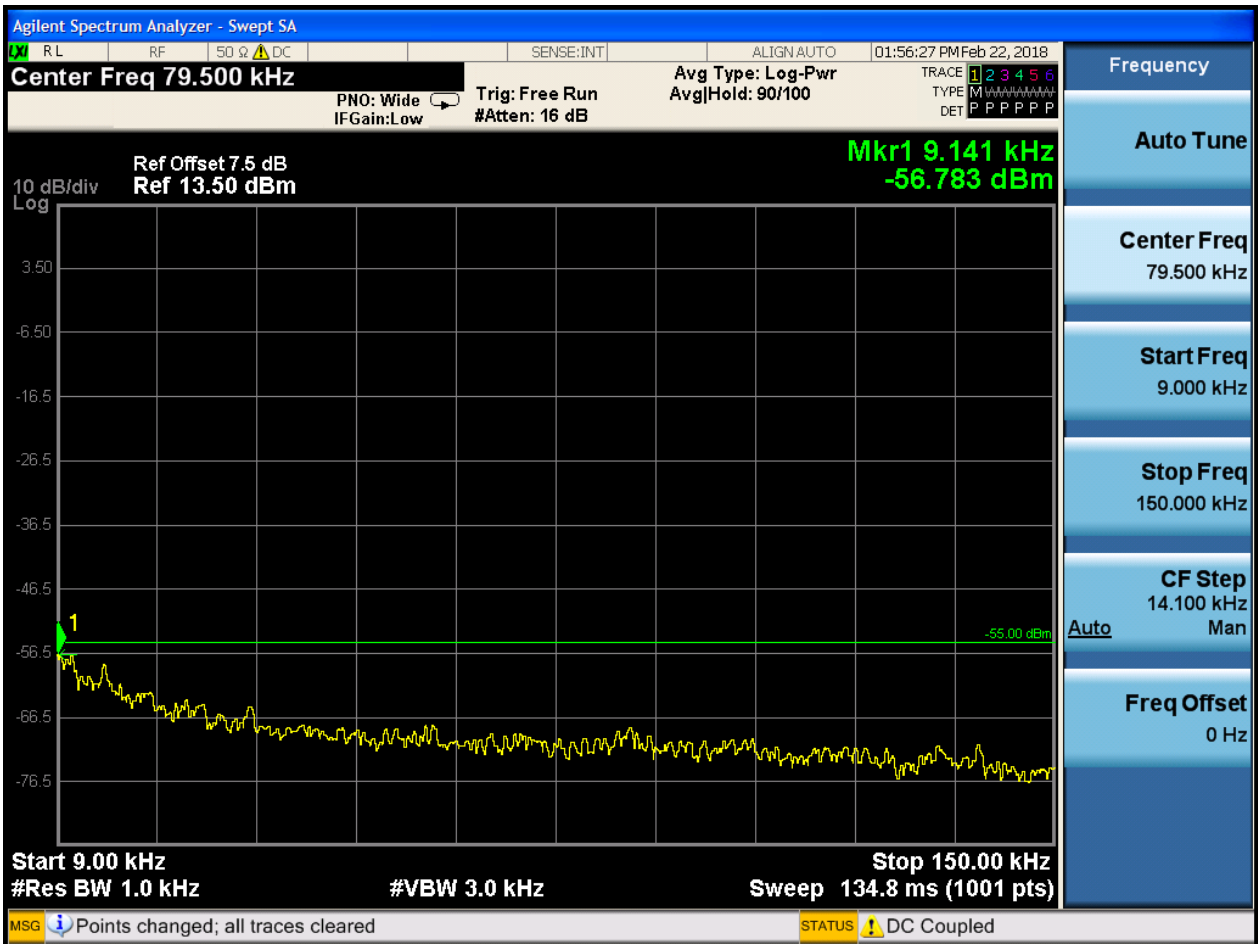


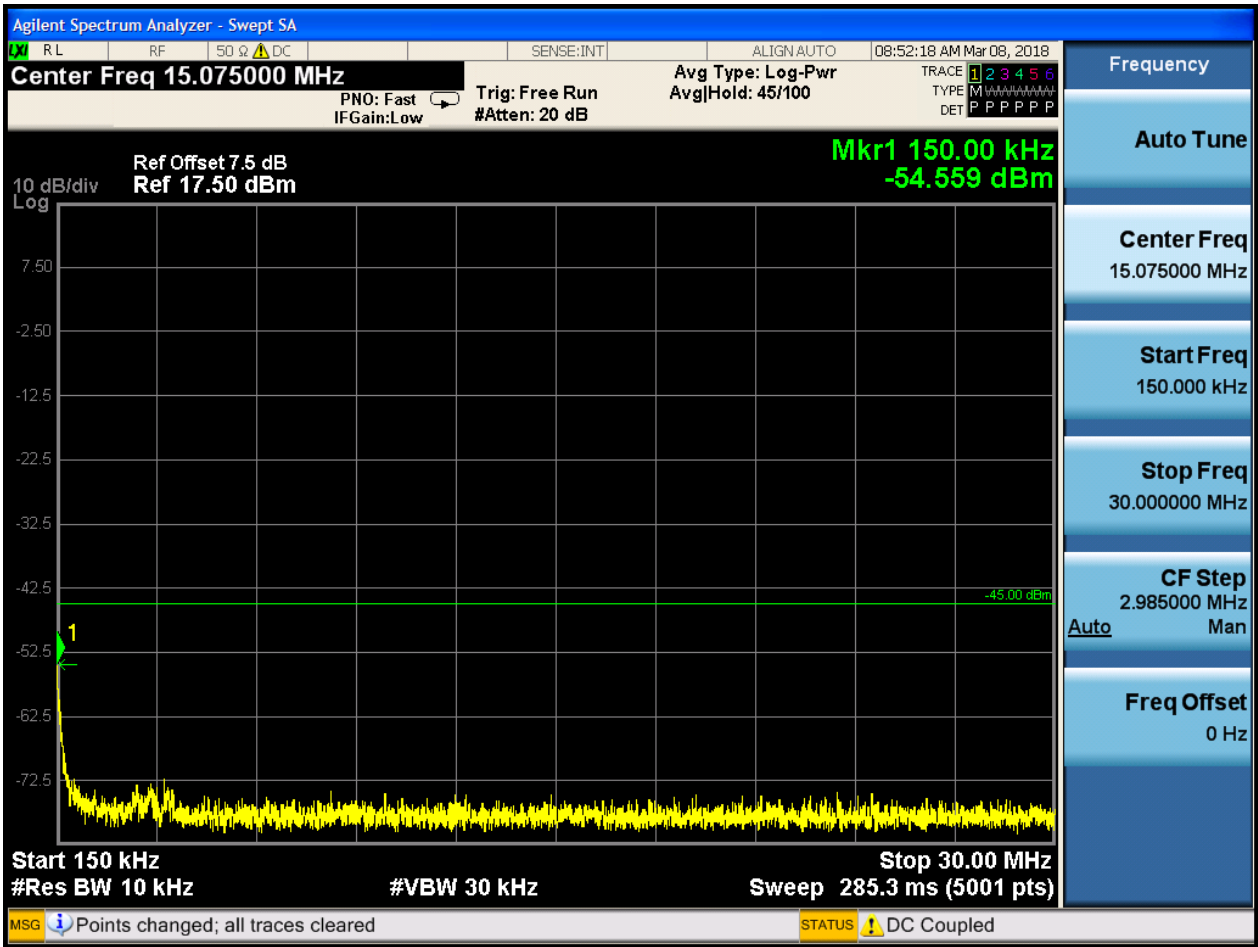


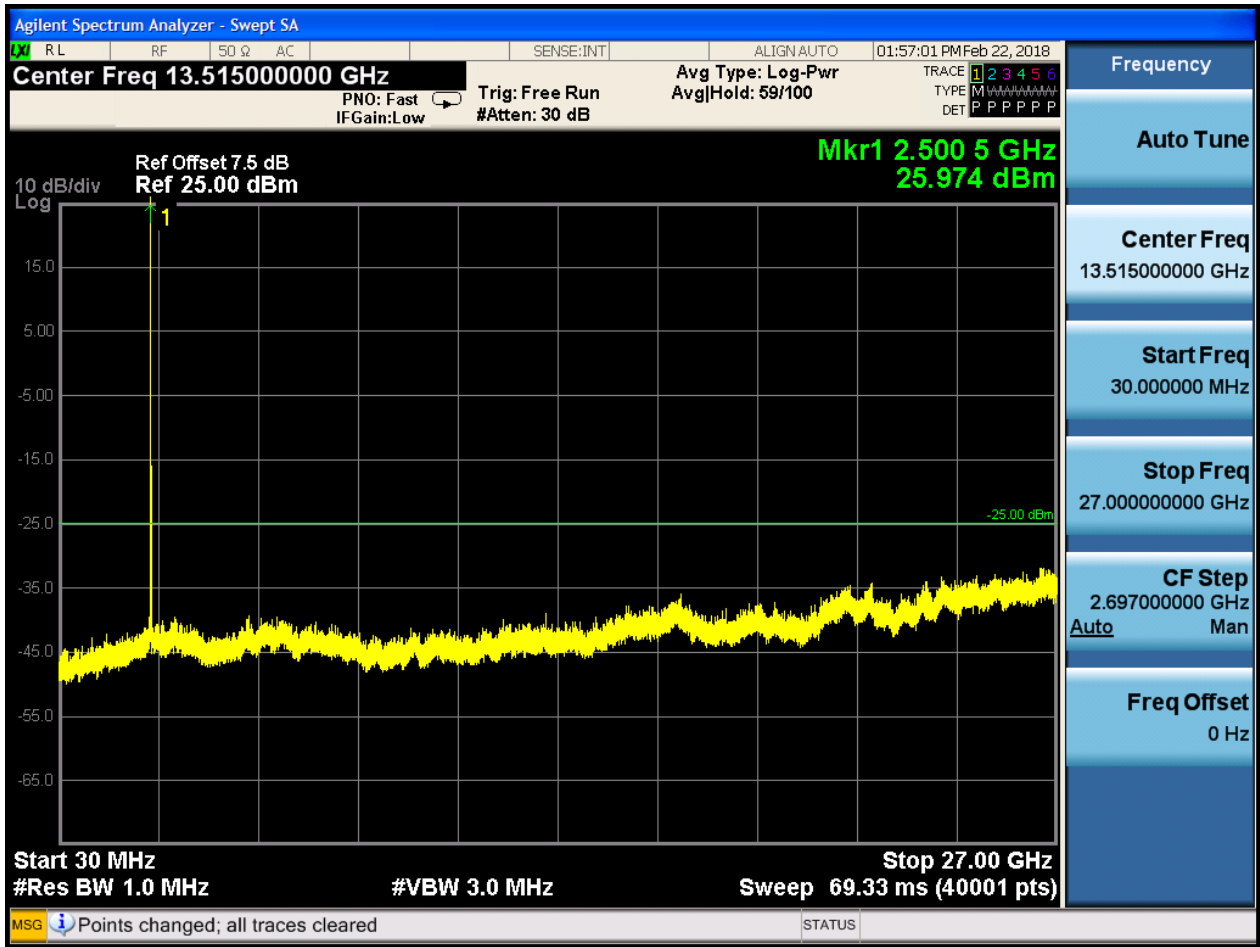
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



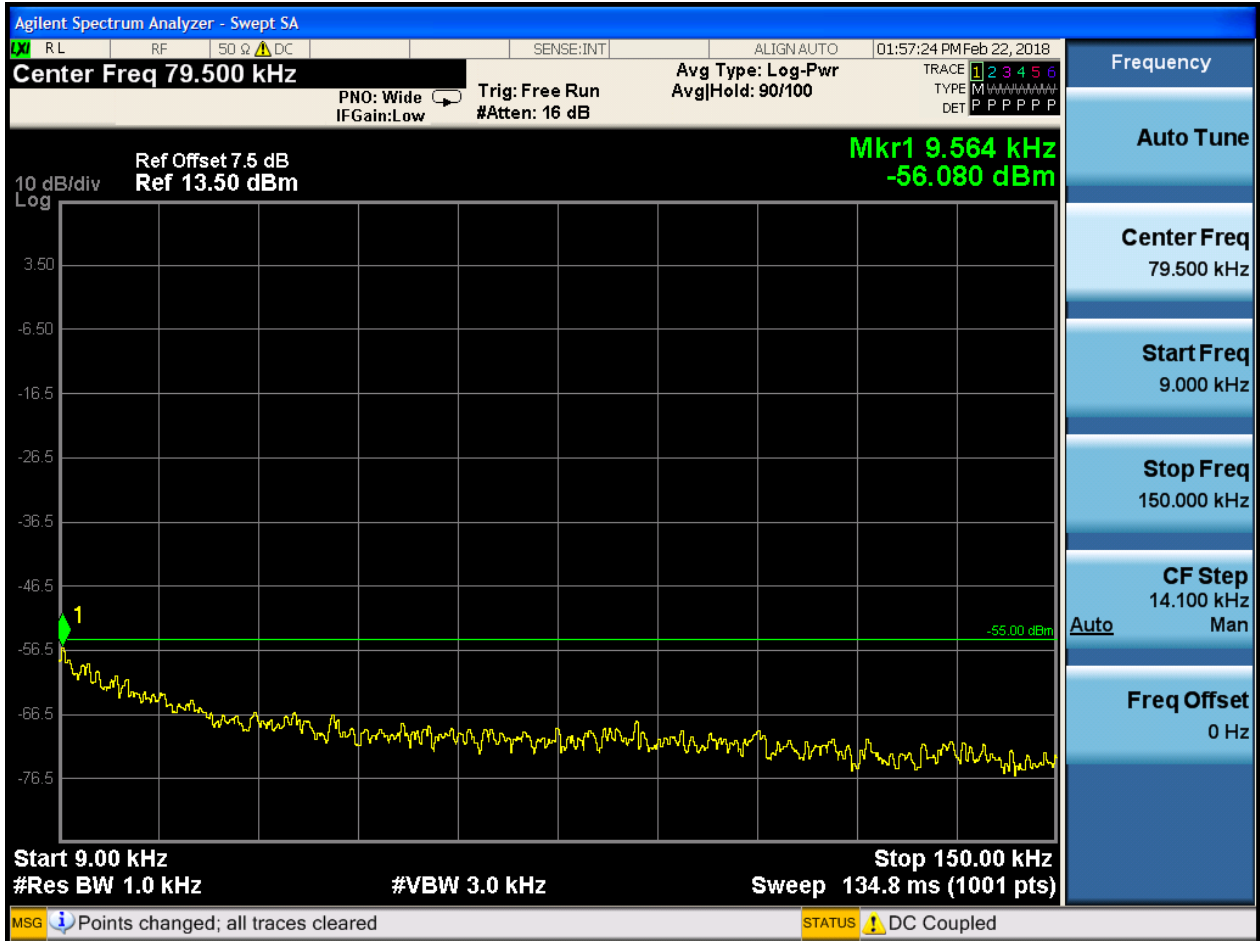


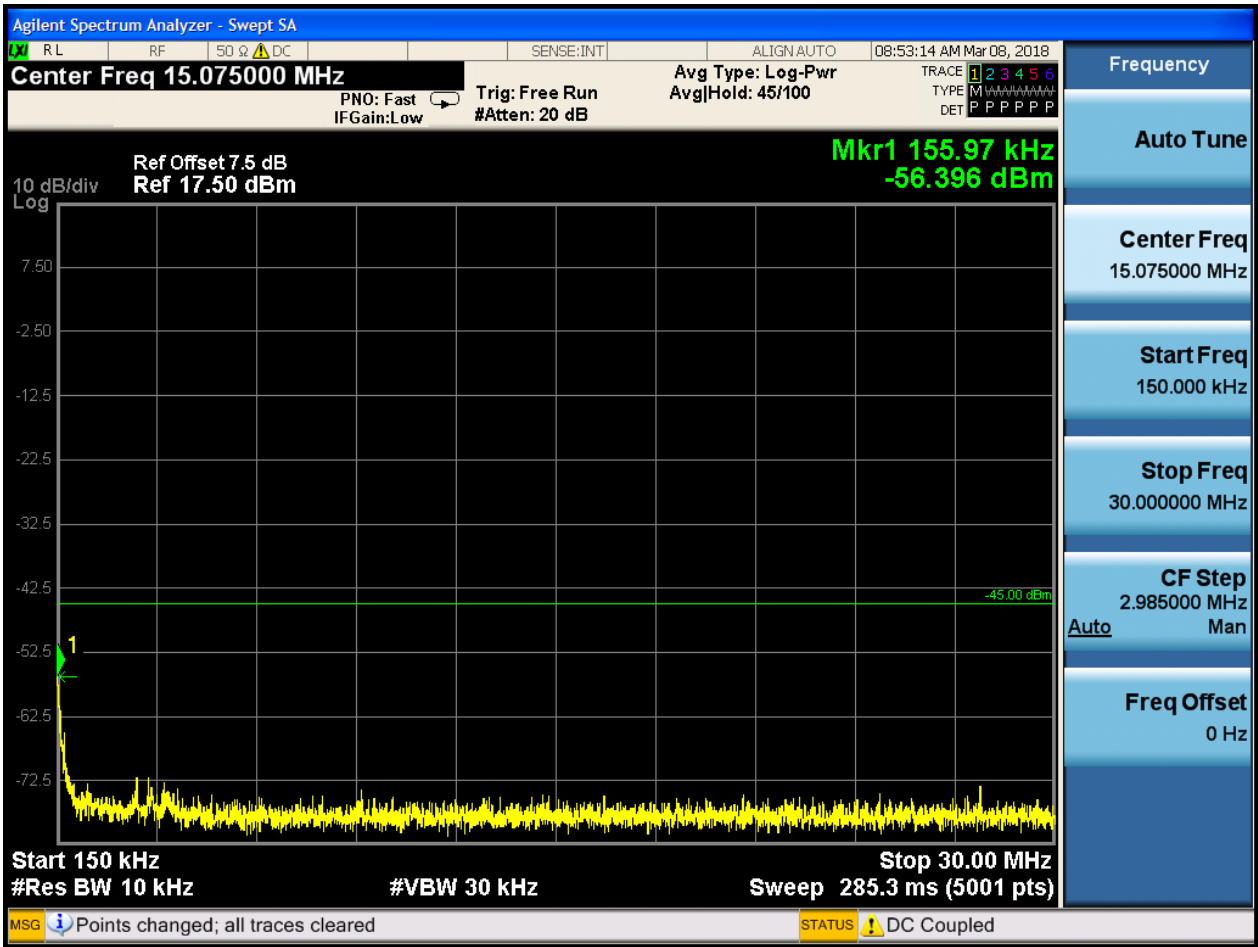




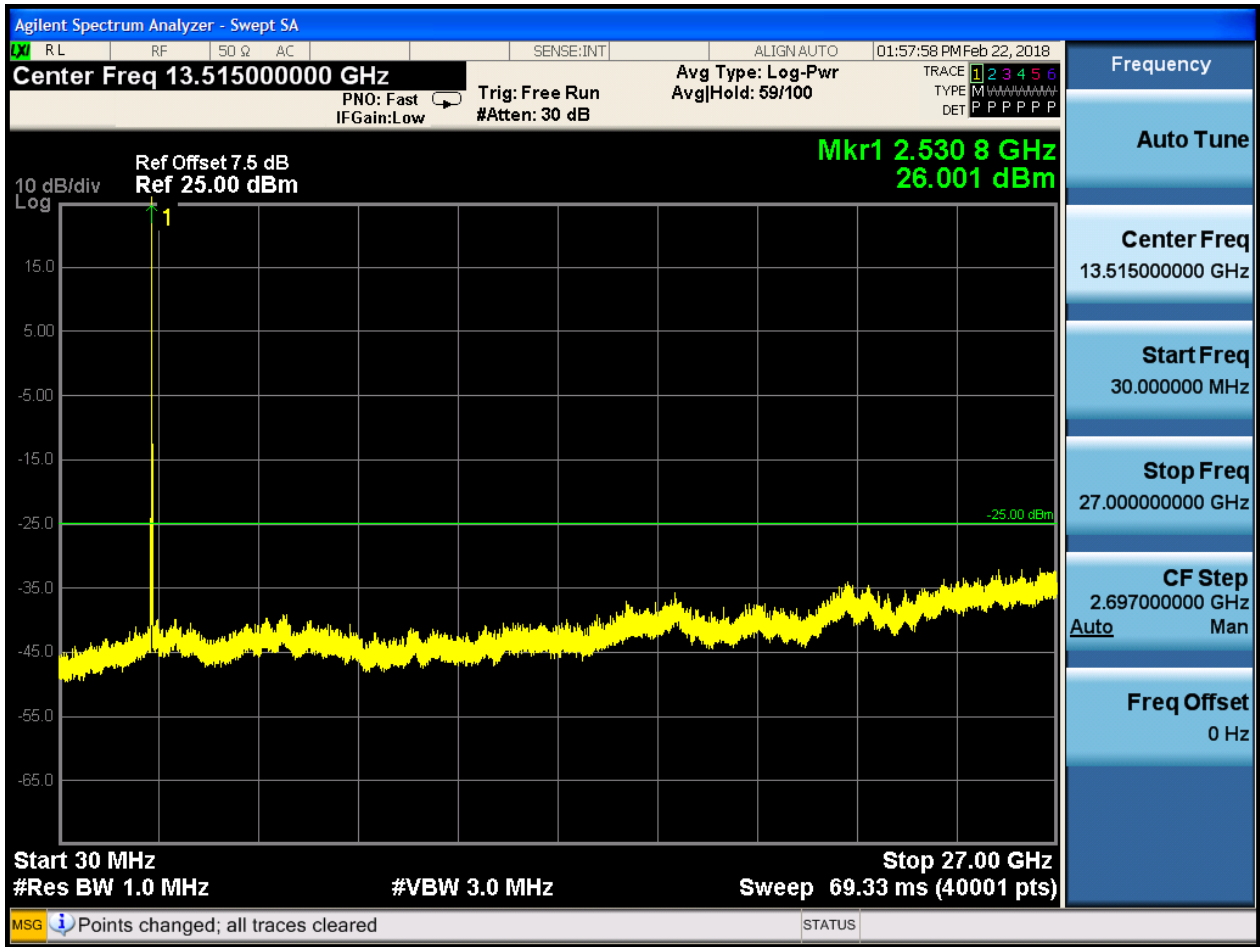
6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0





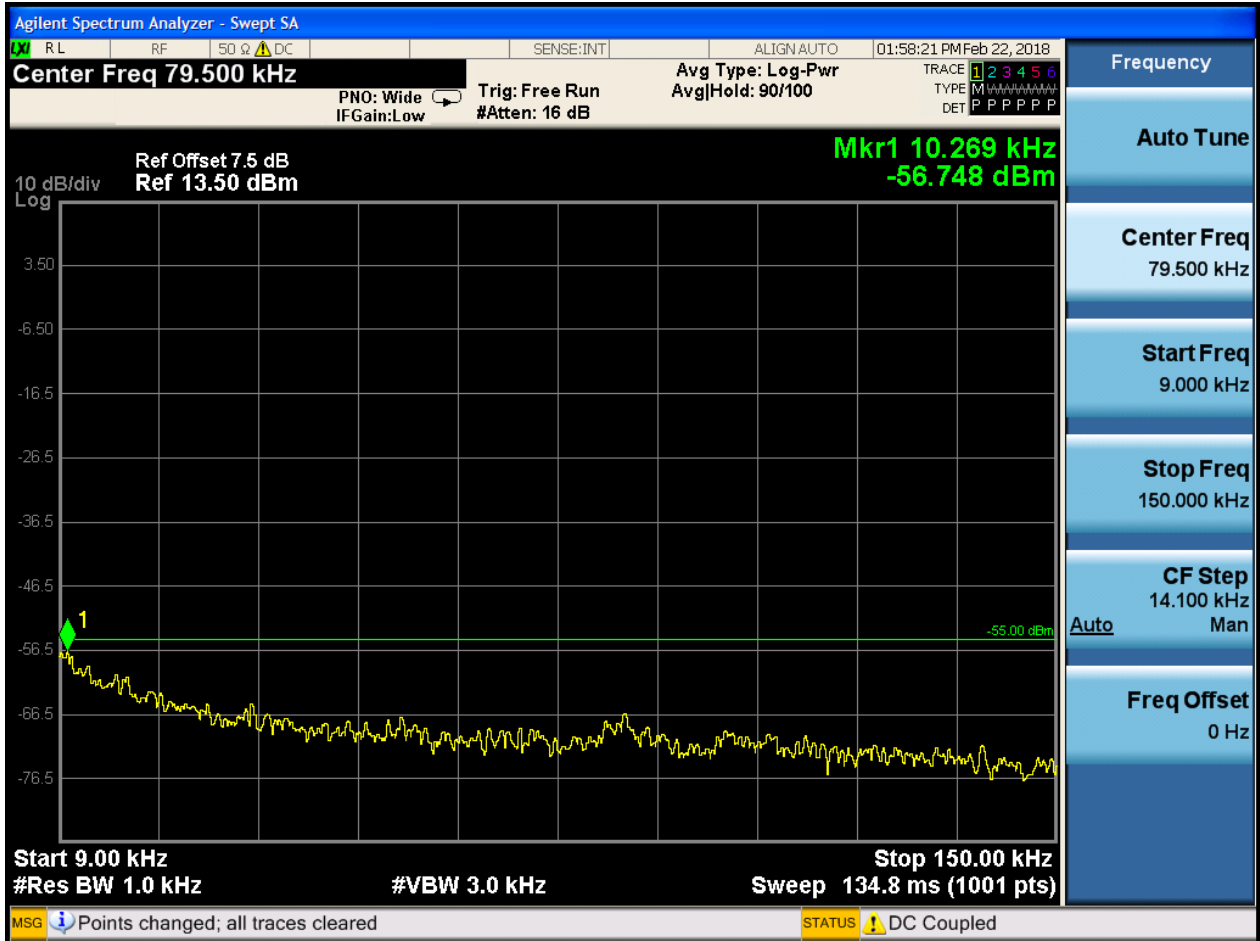


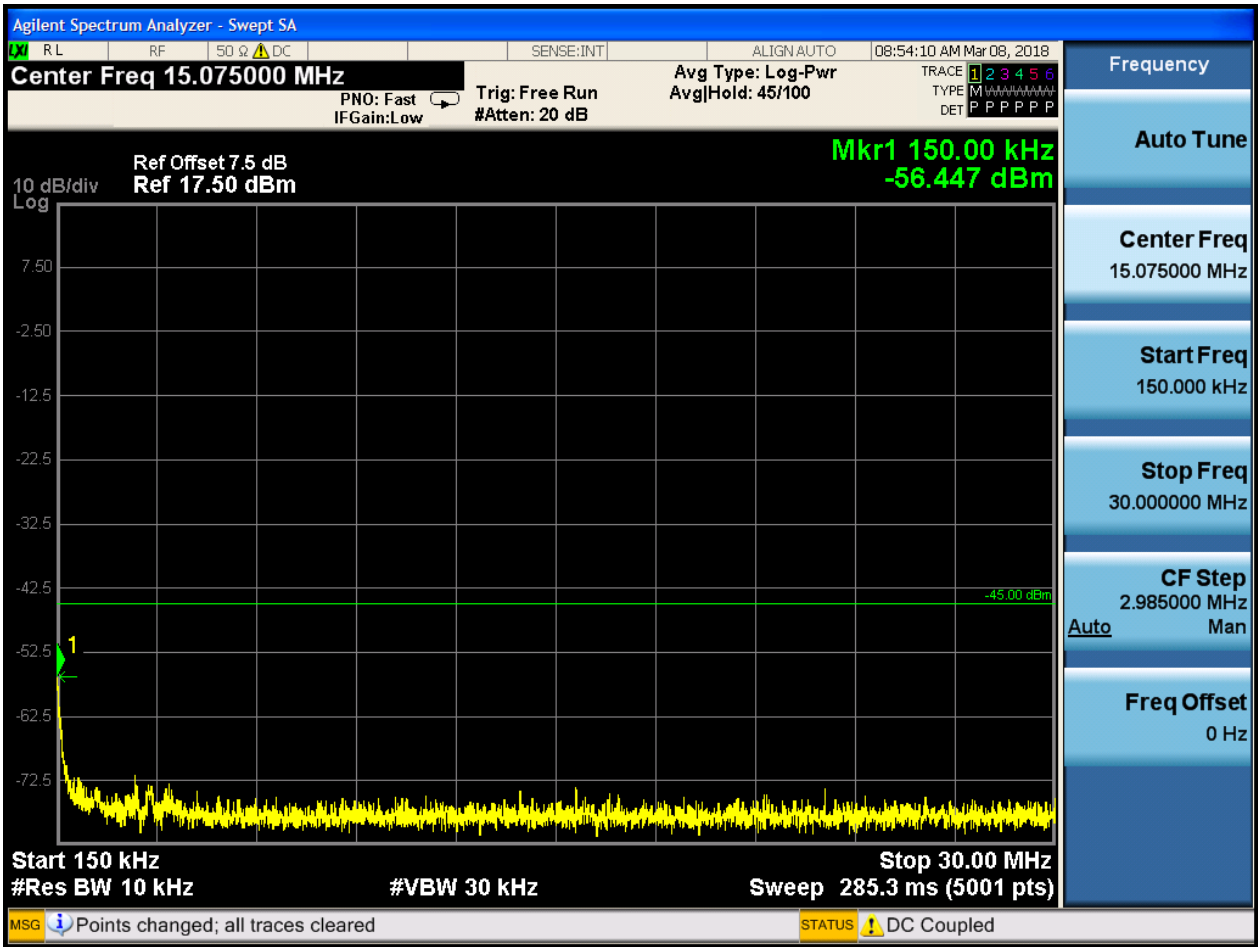


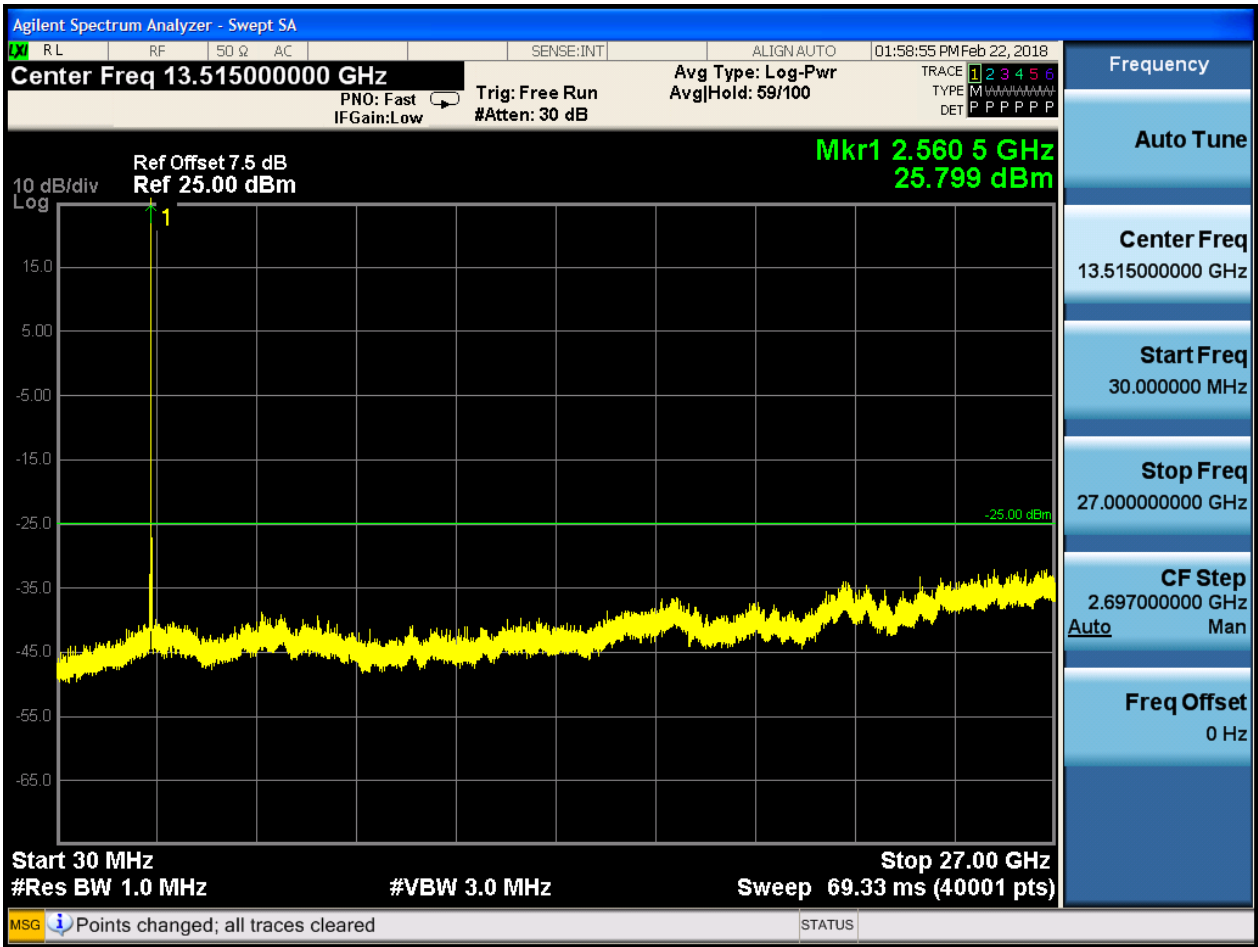


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0







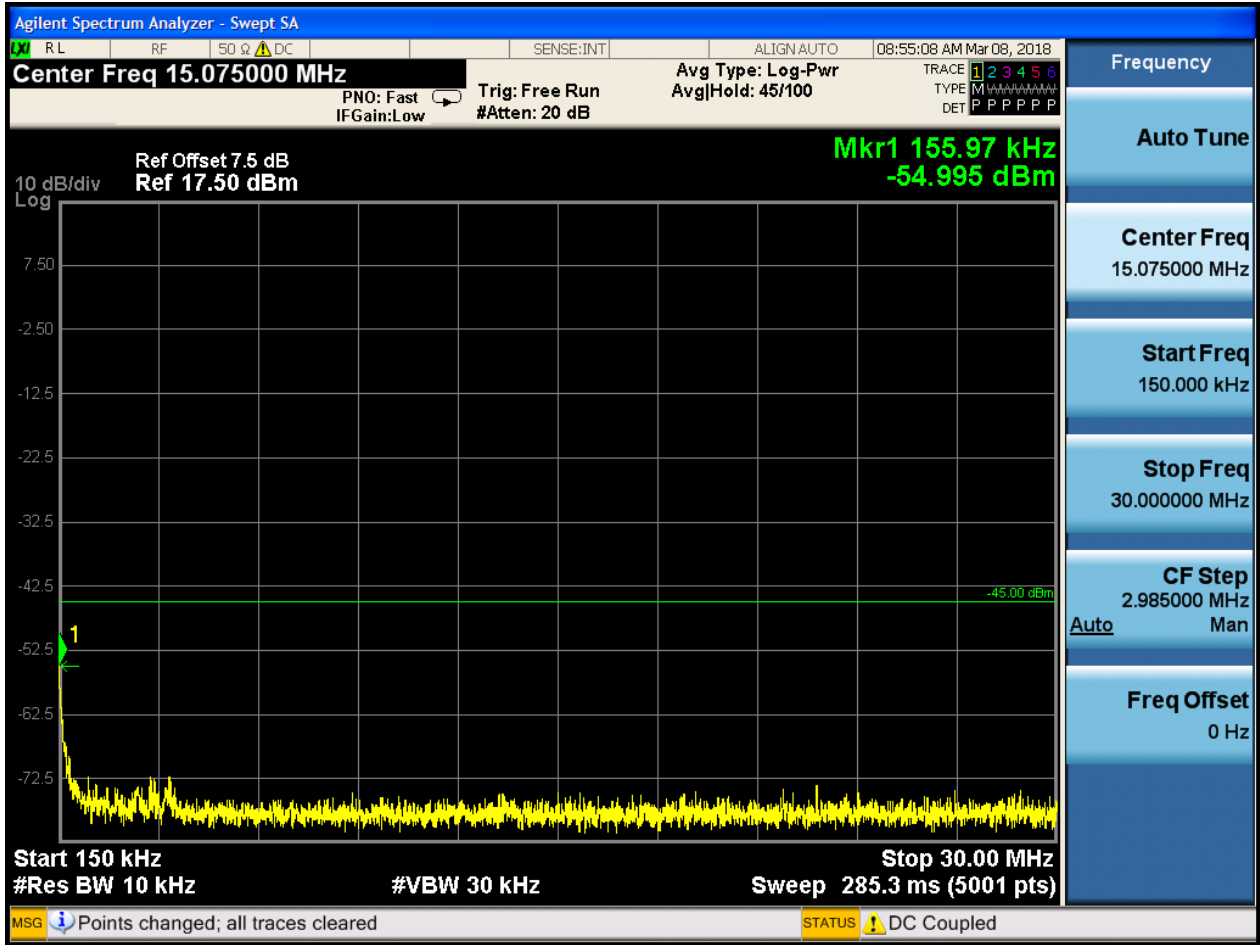


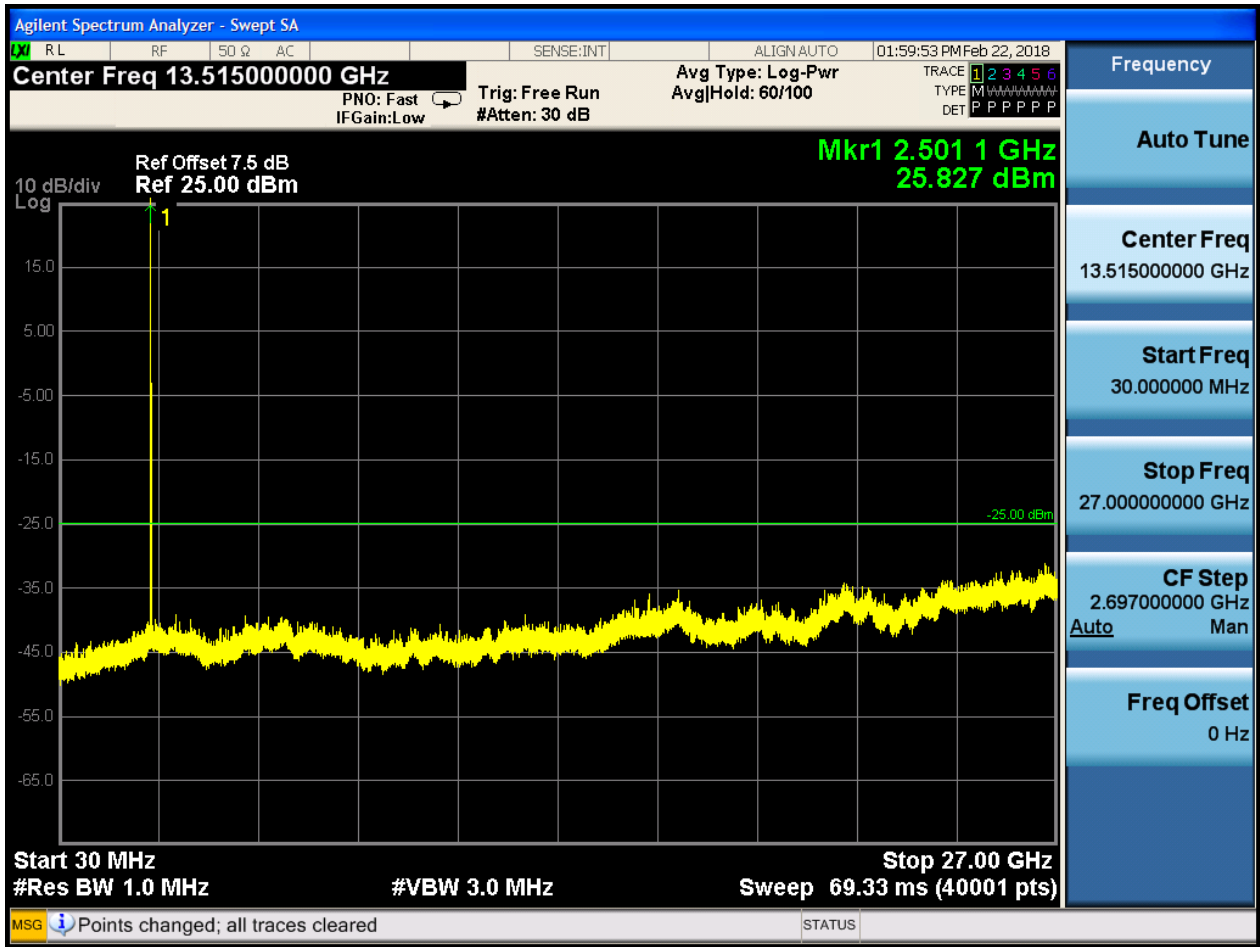
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



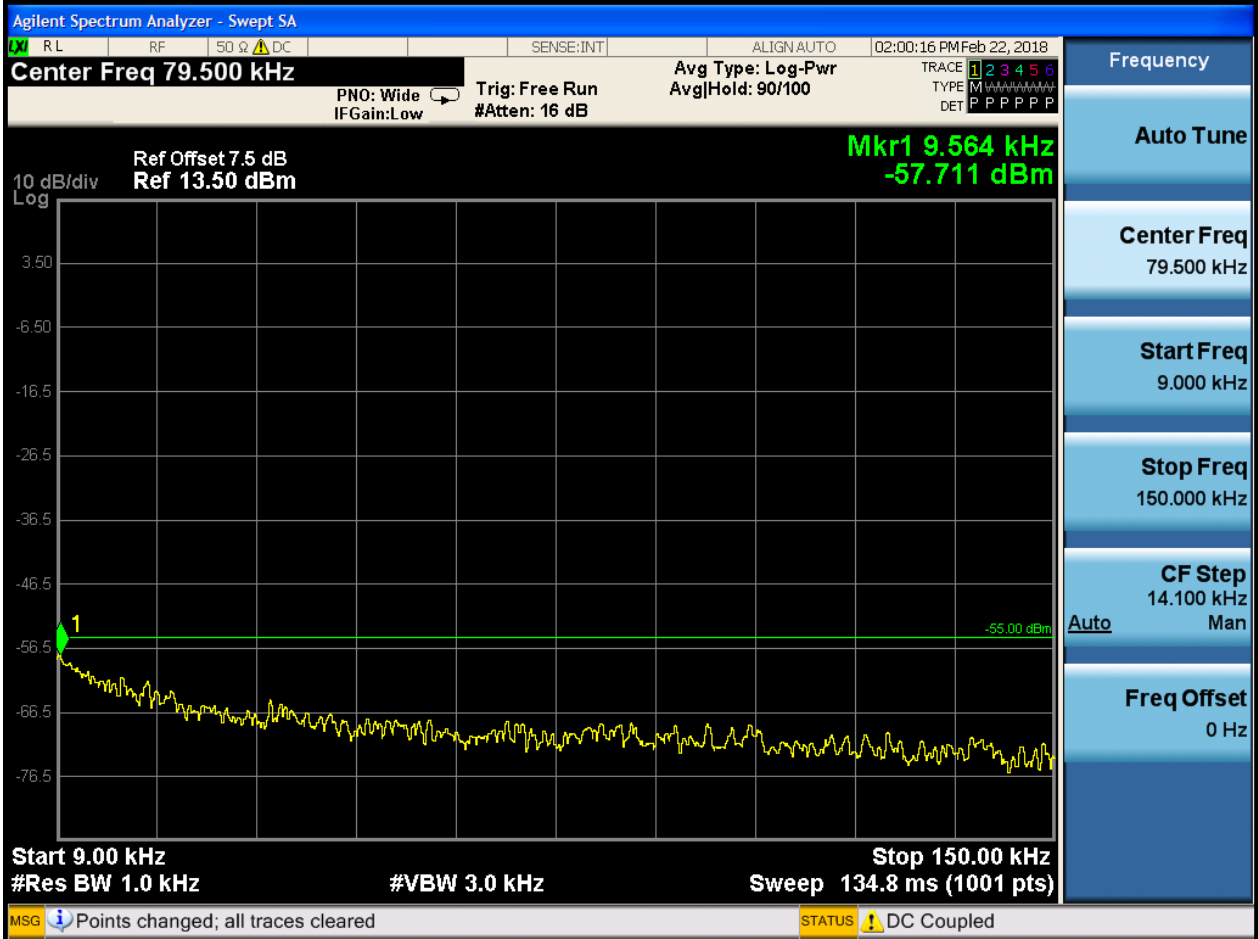




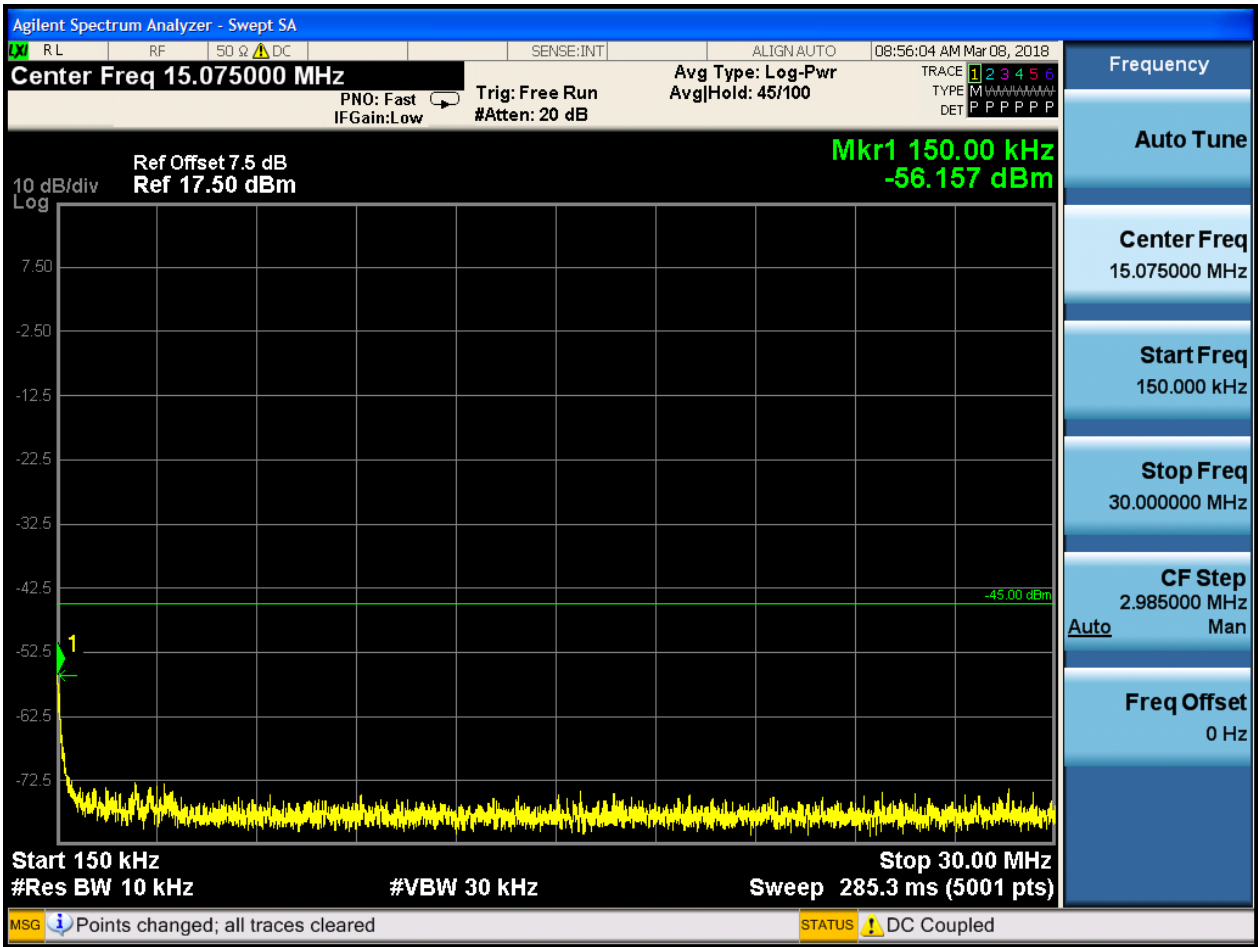


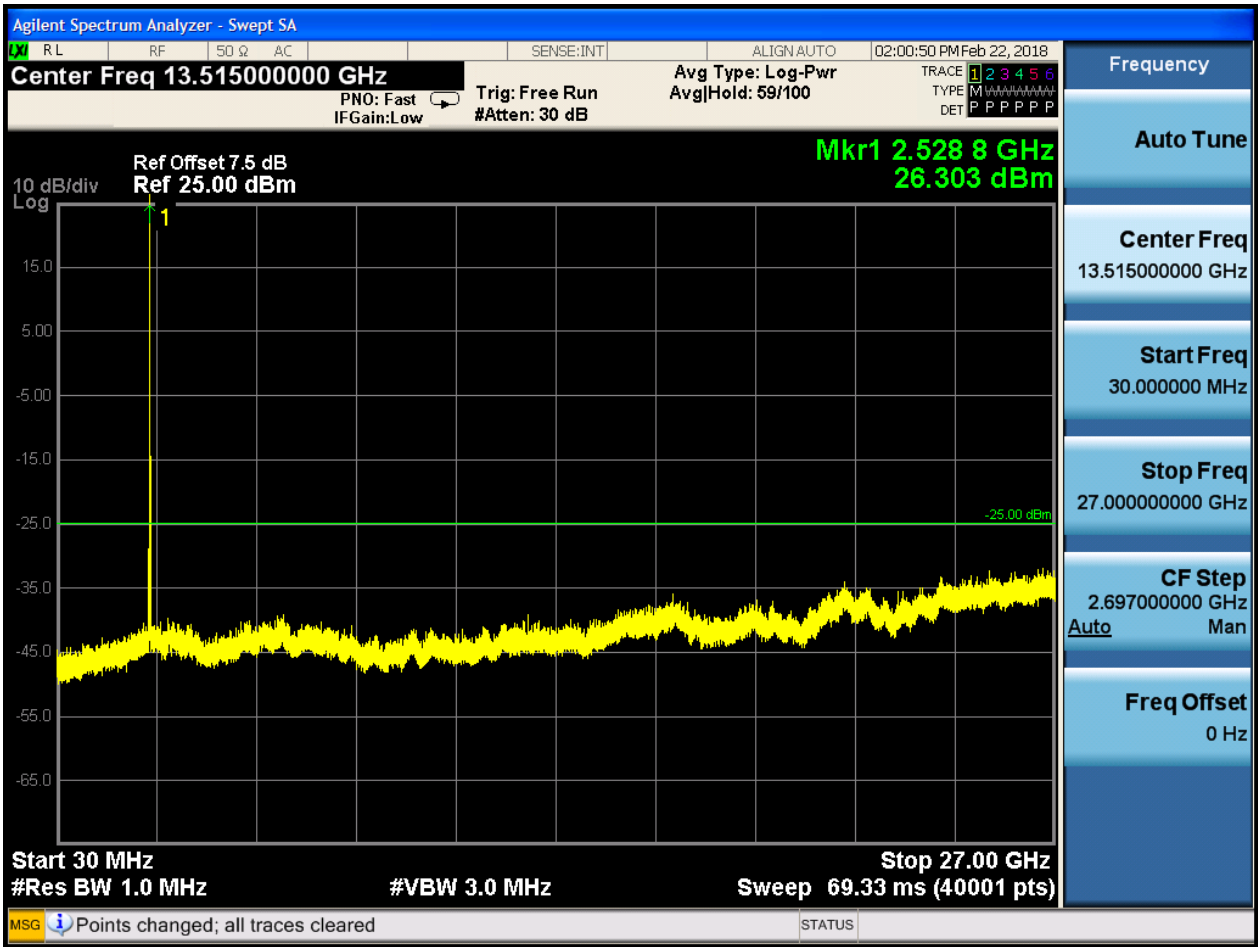
6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0





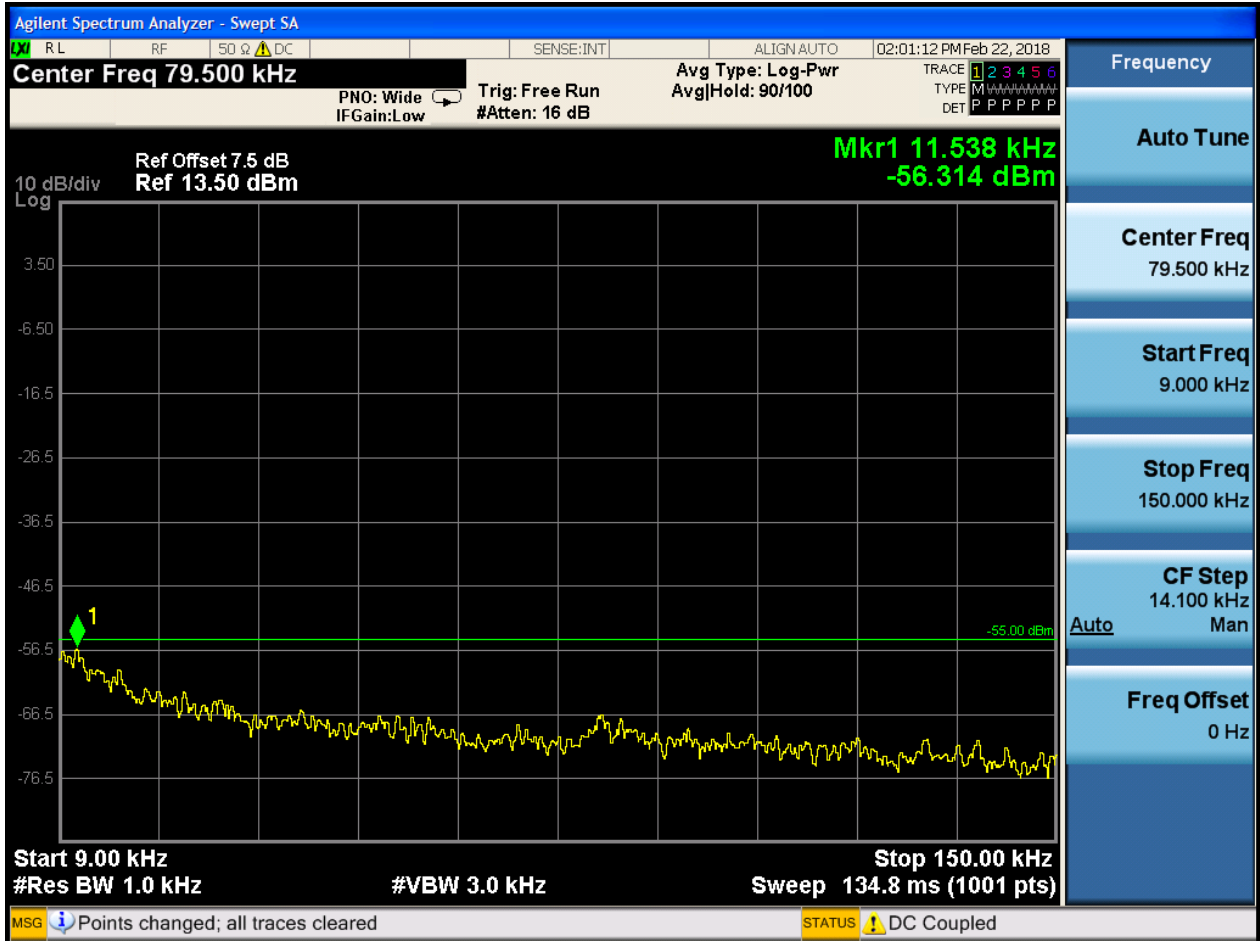


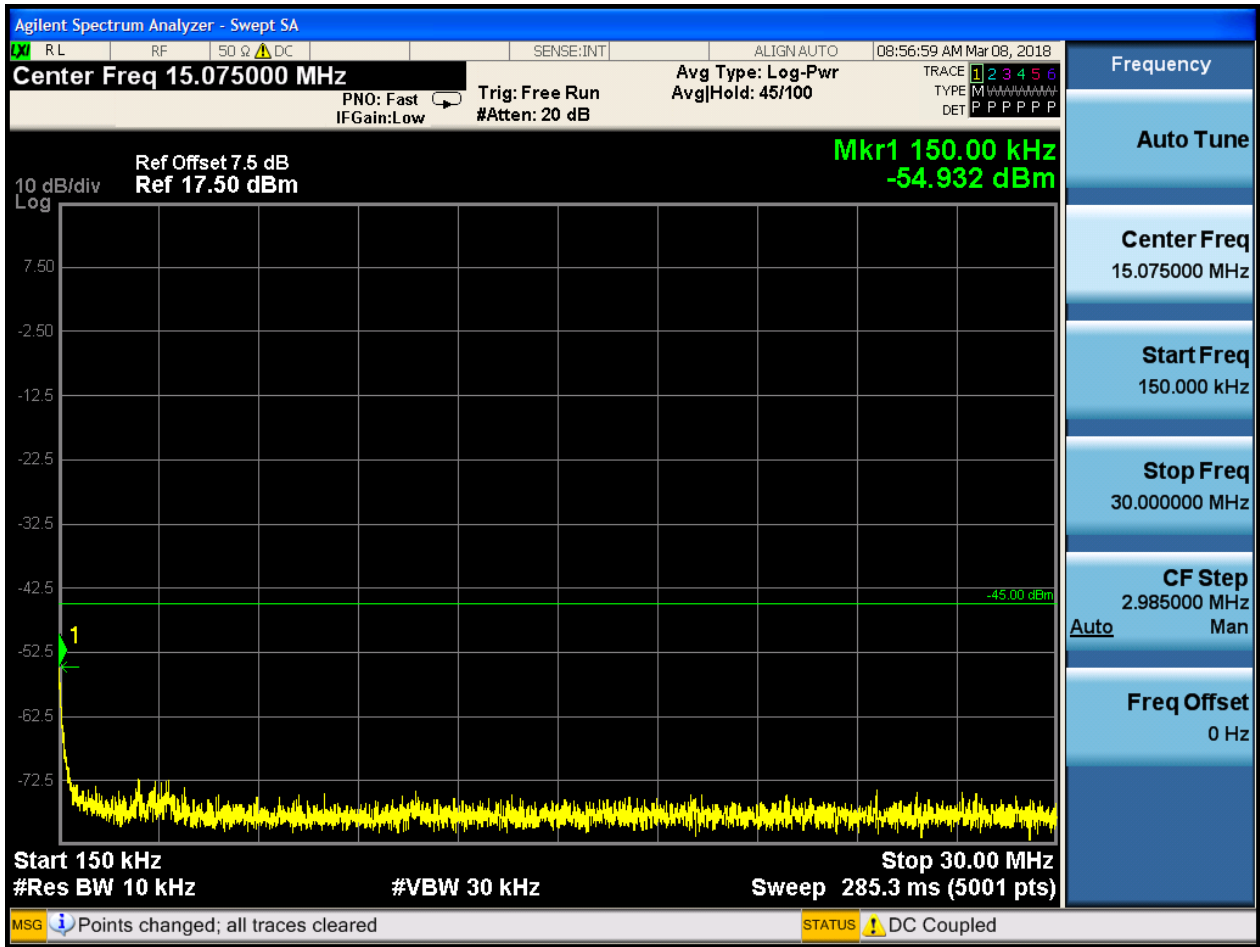


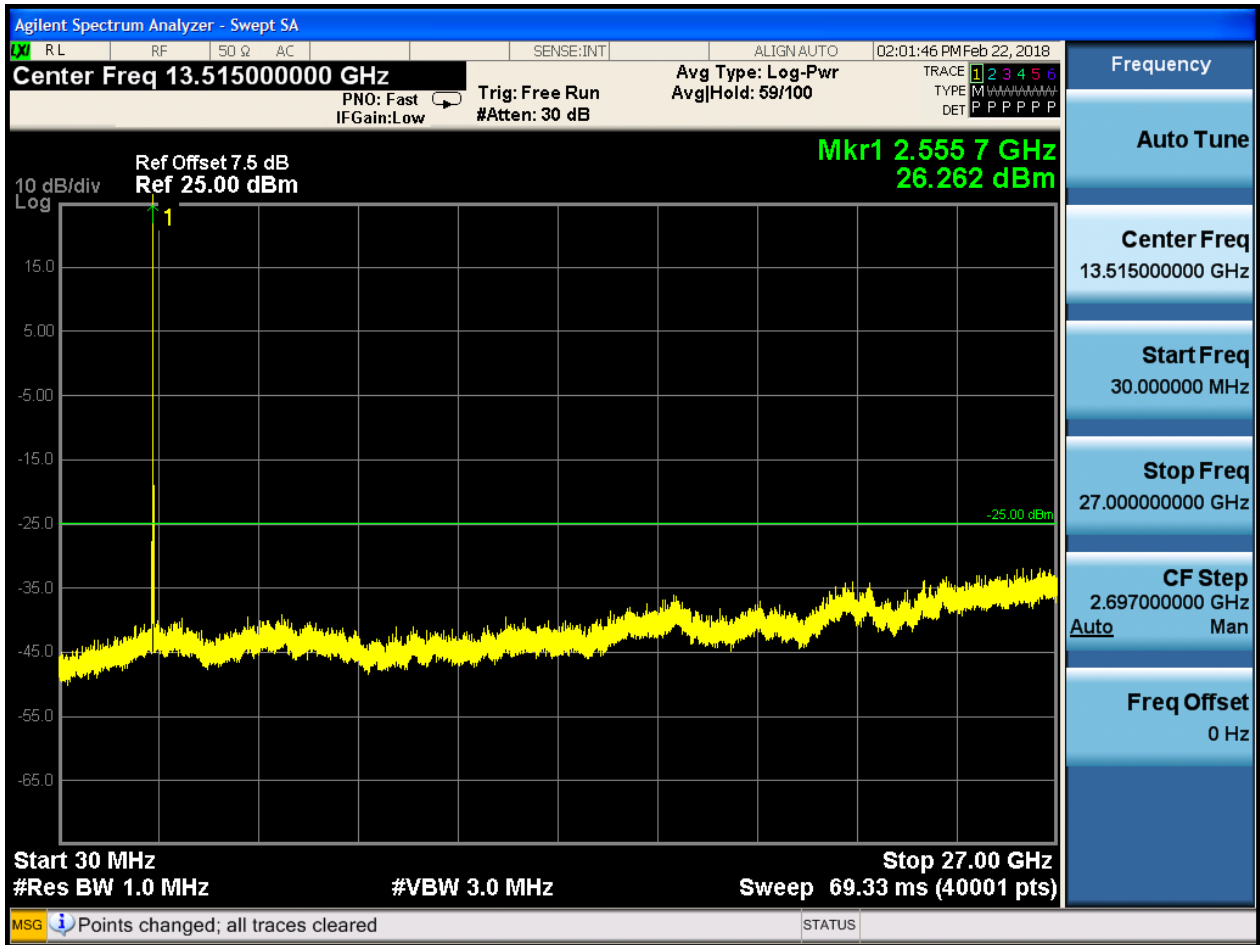


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





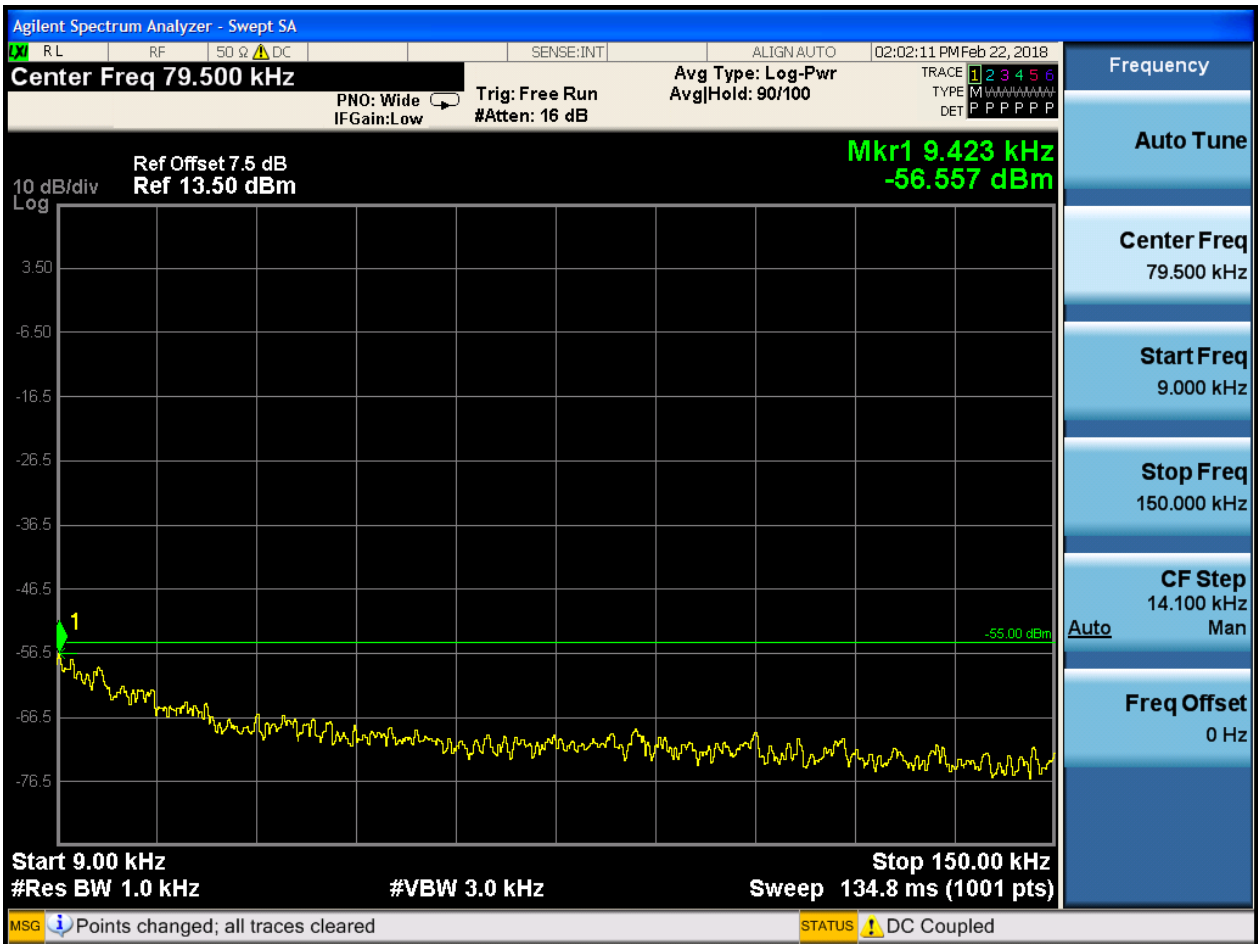


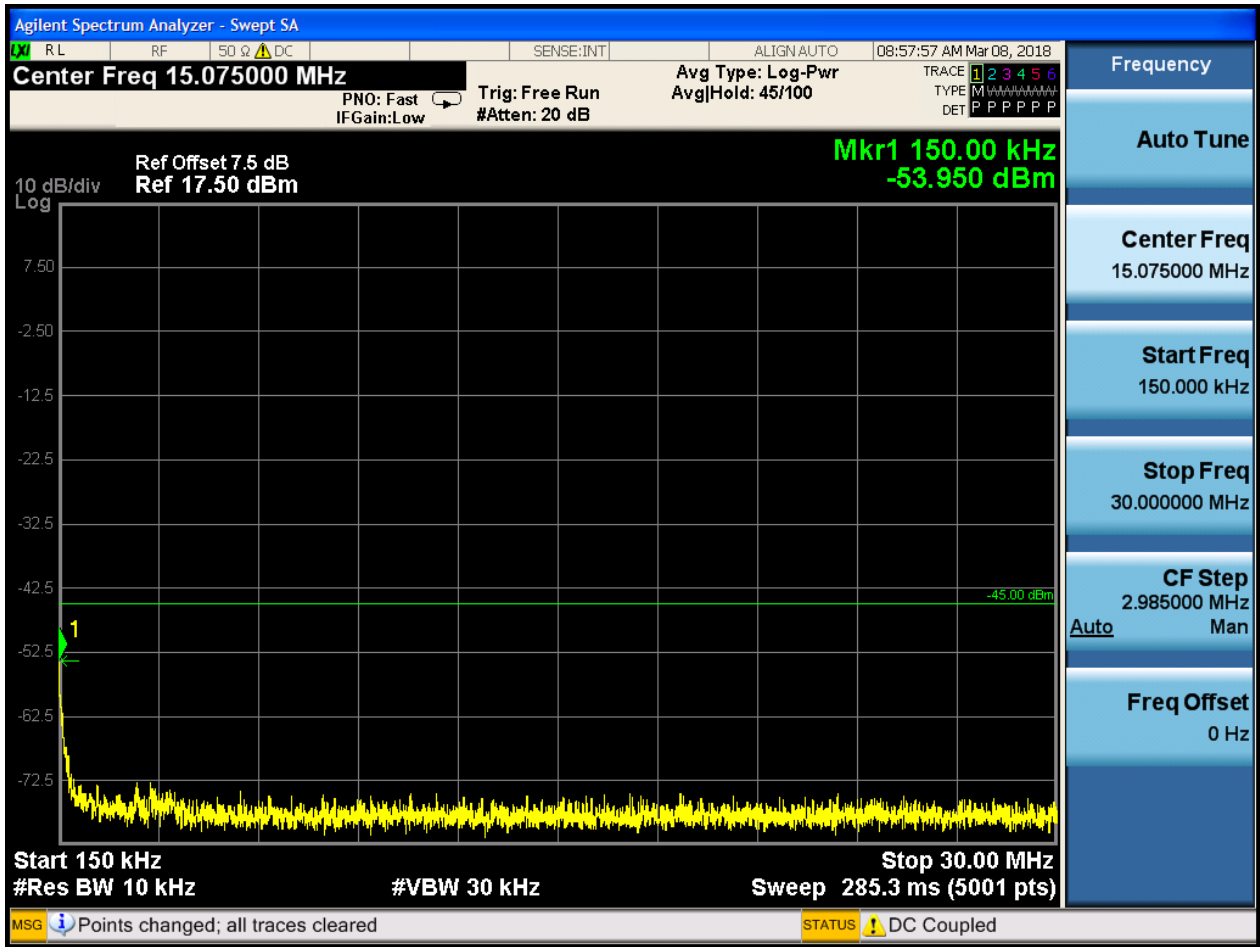


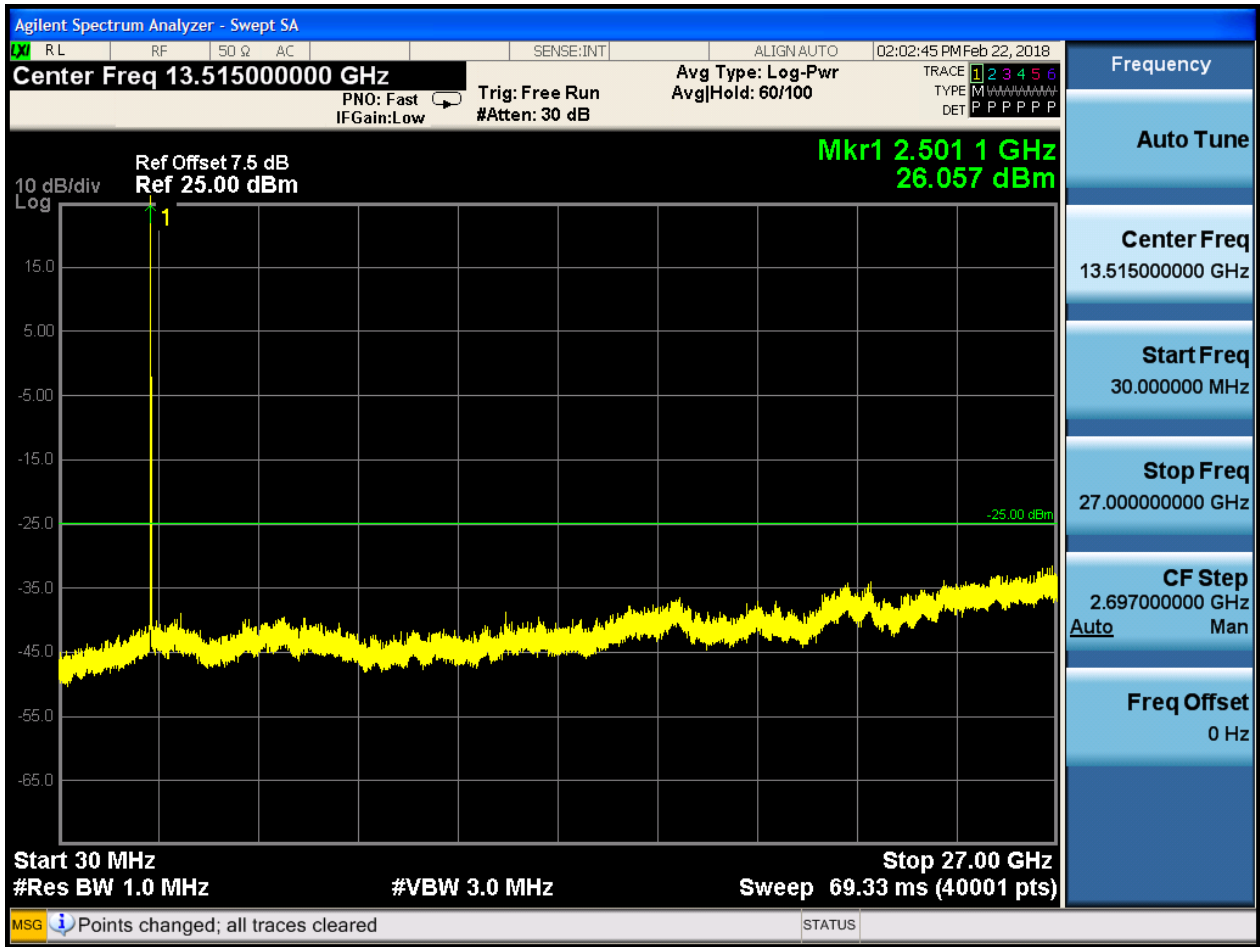
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





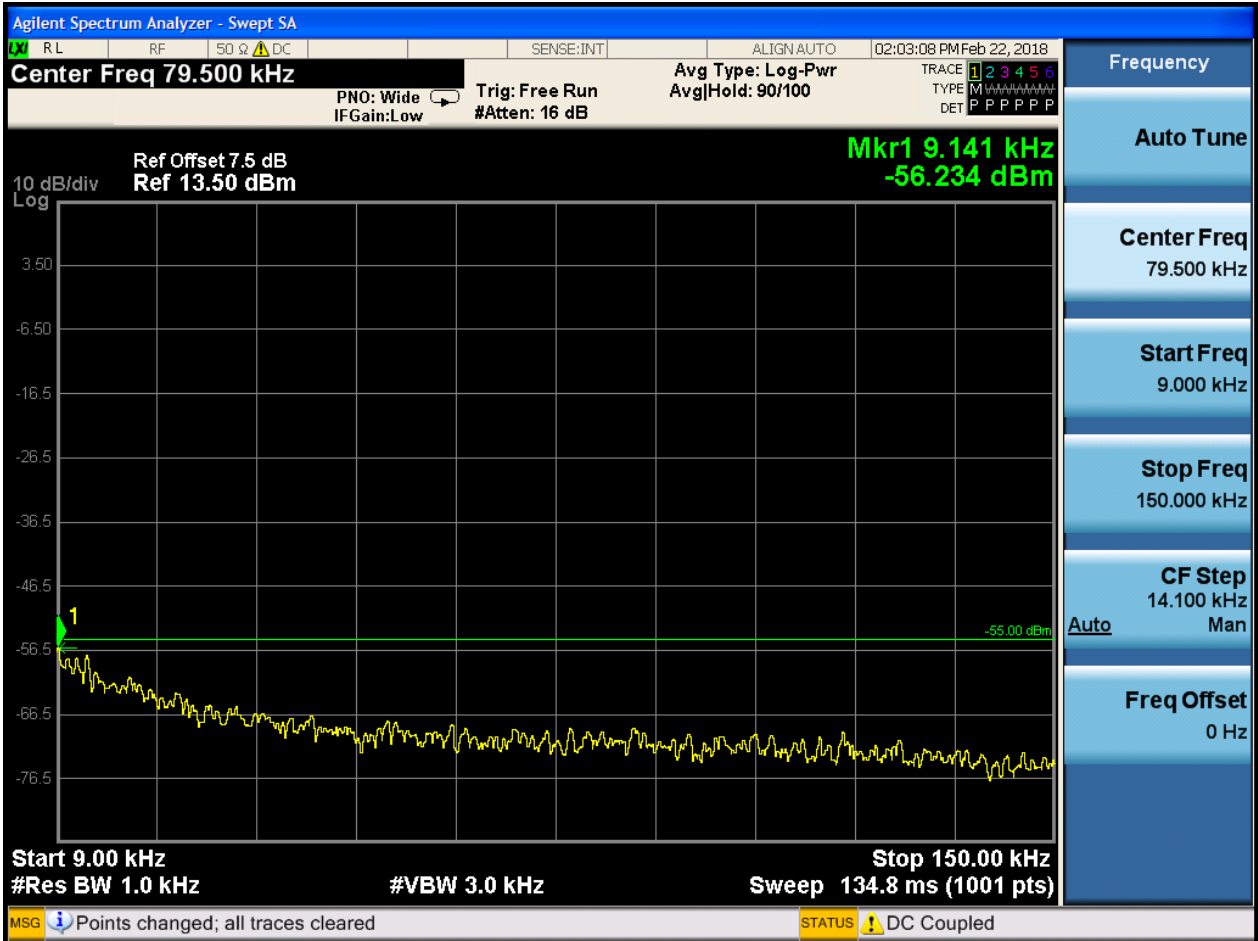


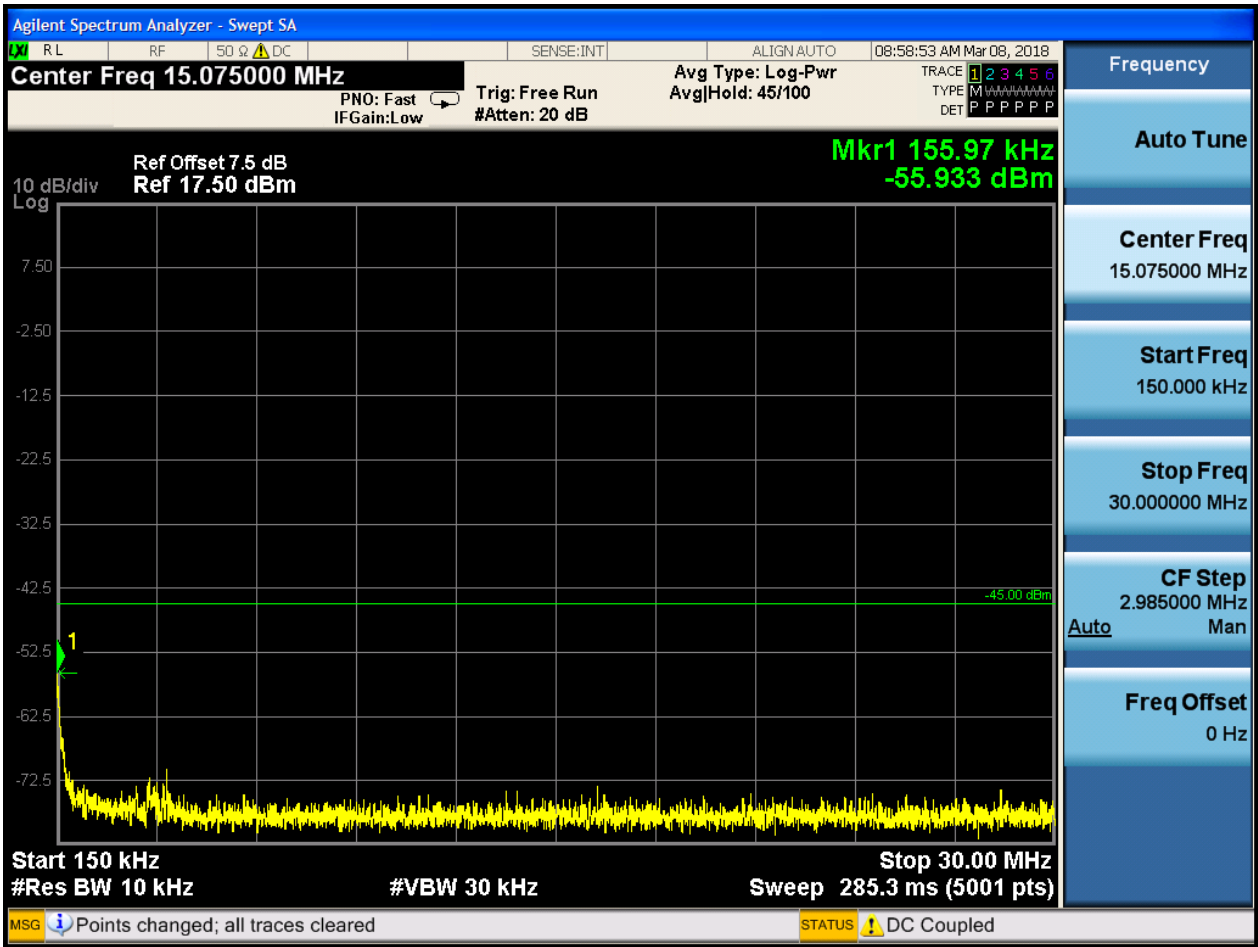


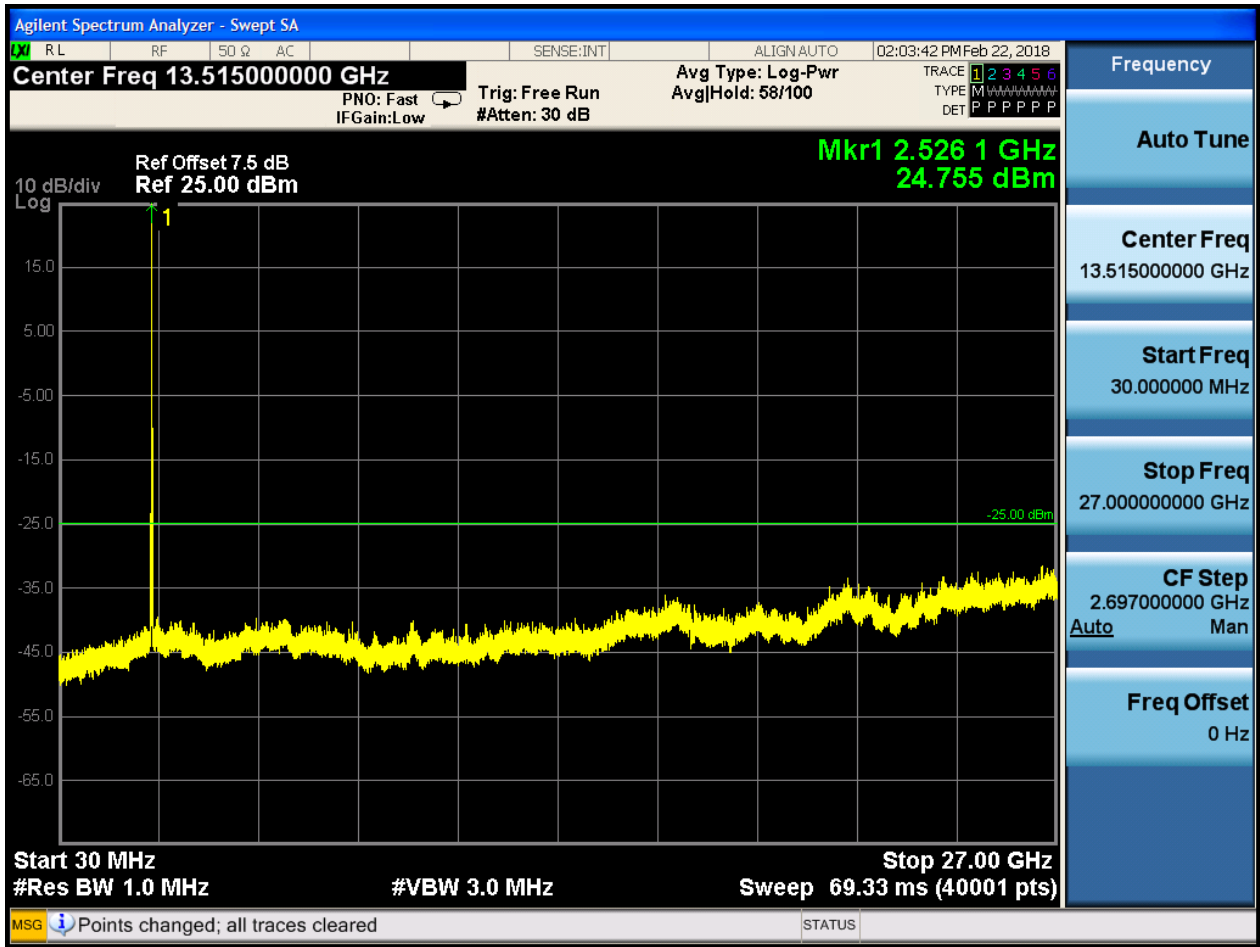


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



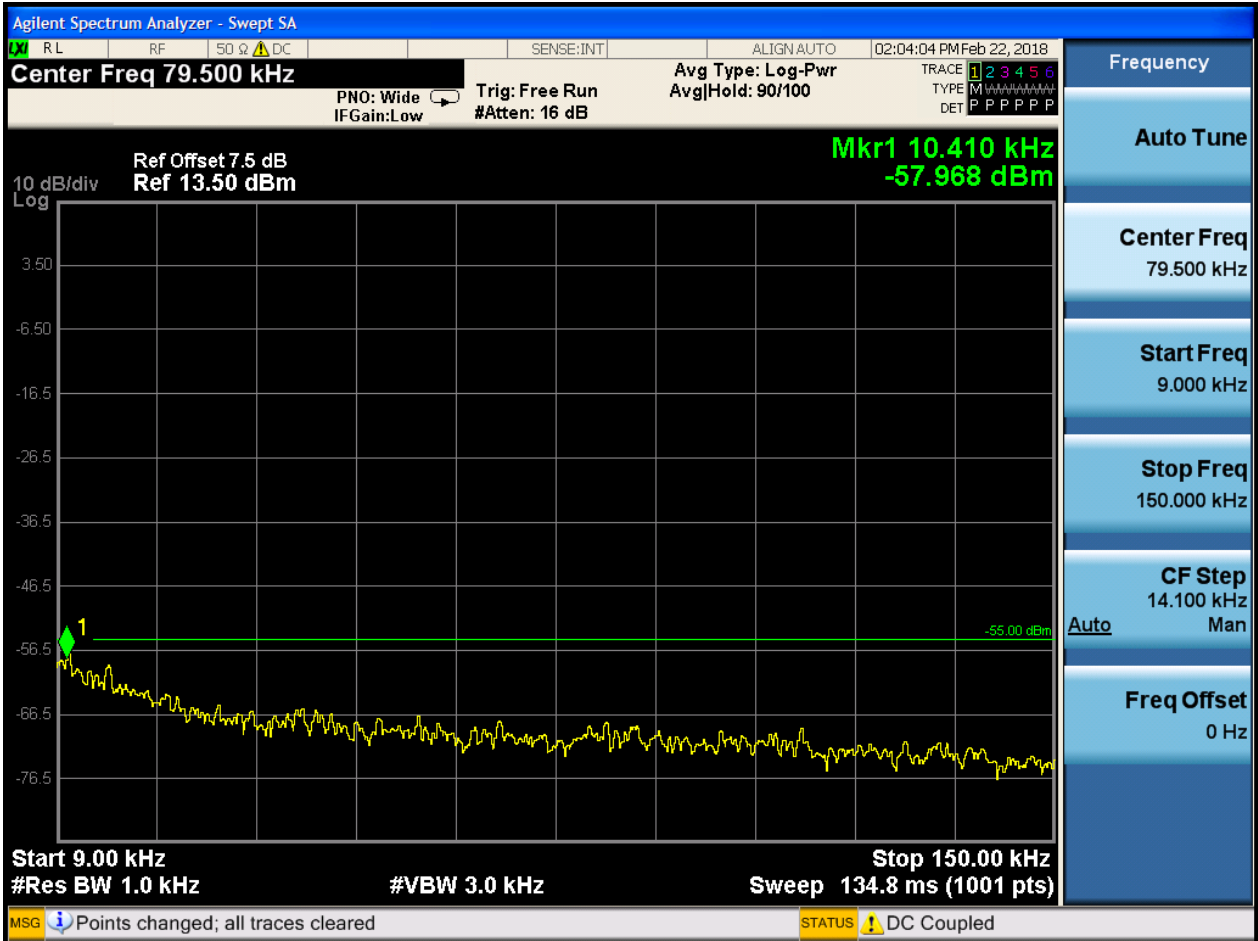


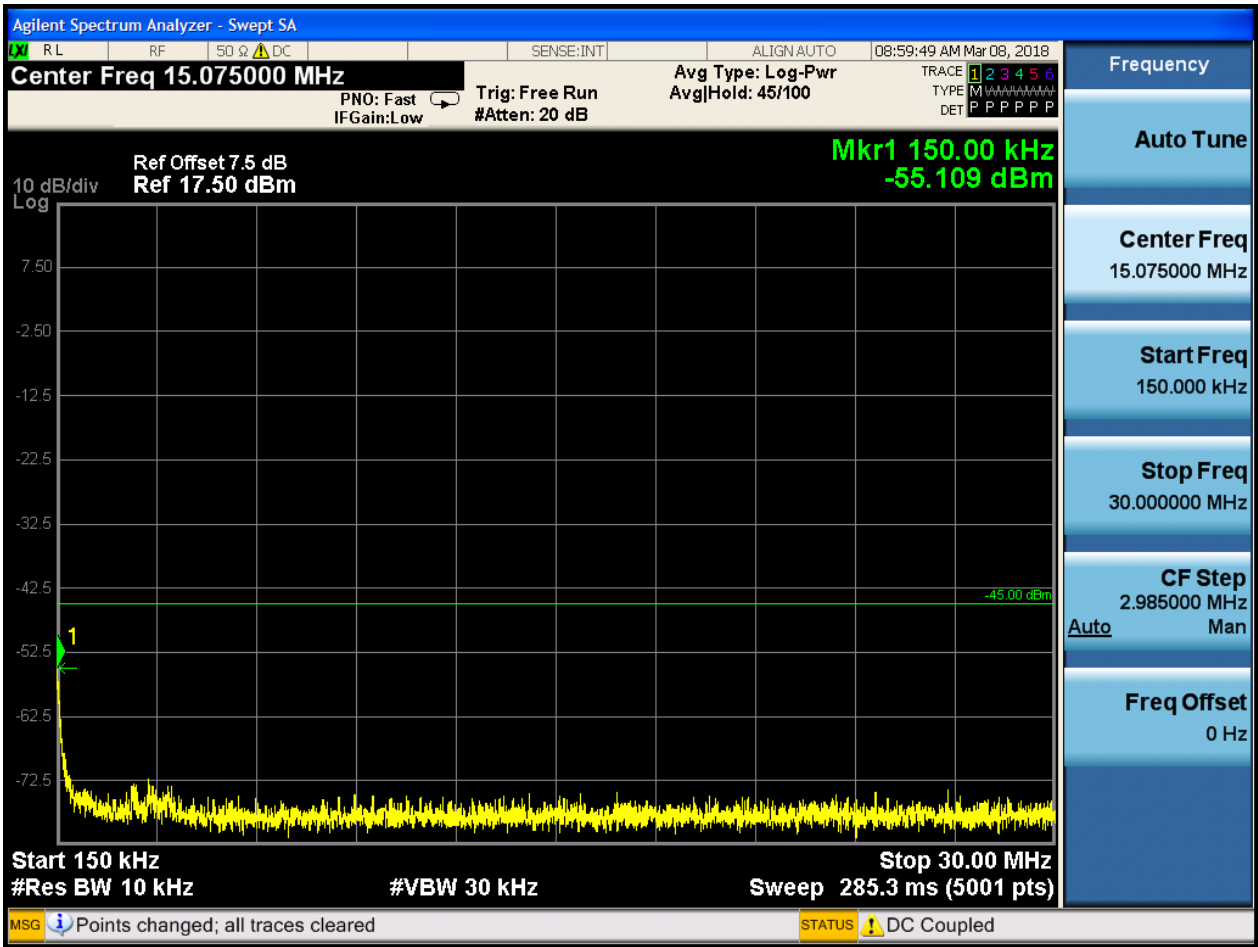


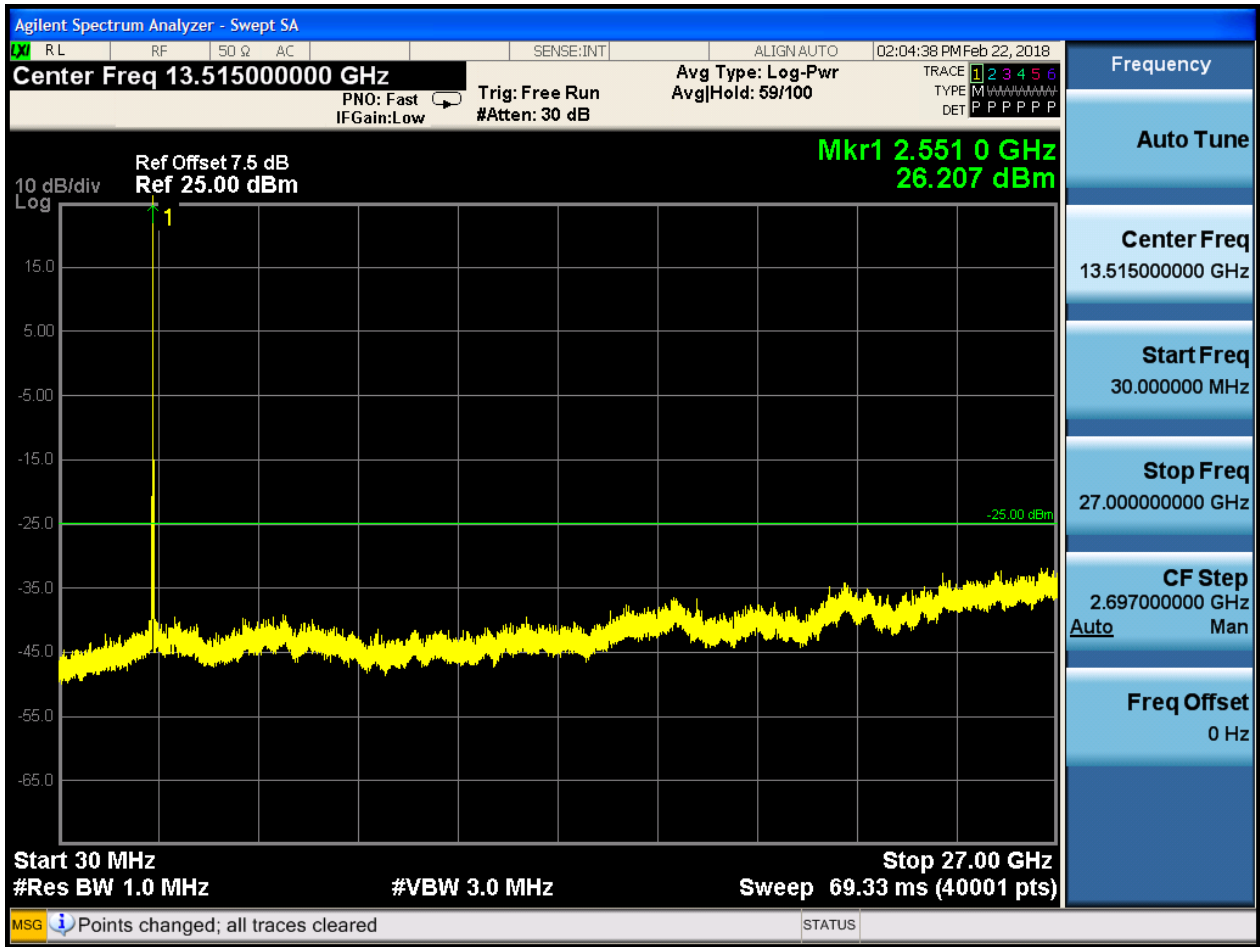


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







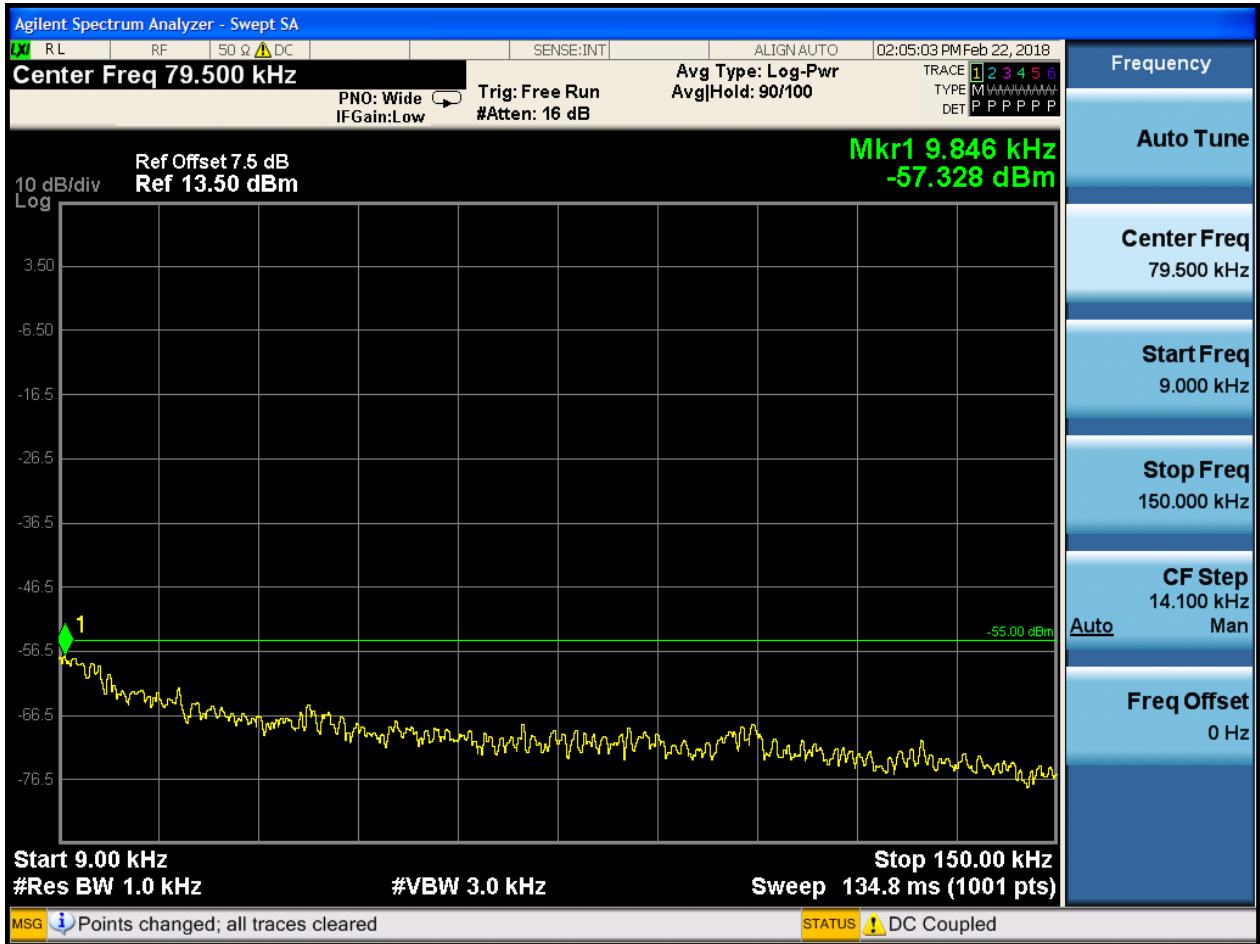


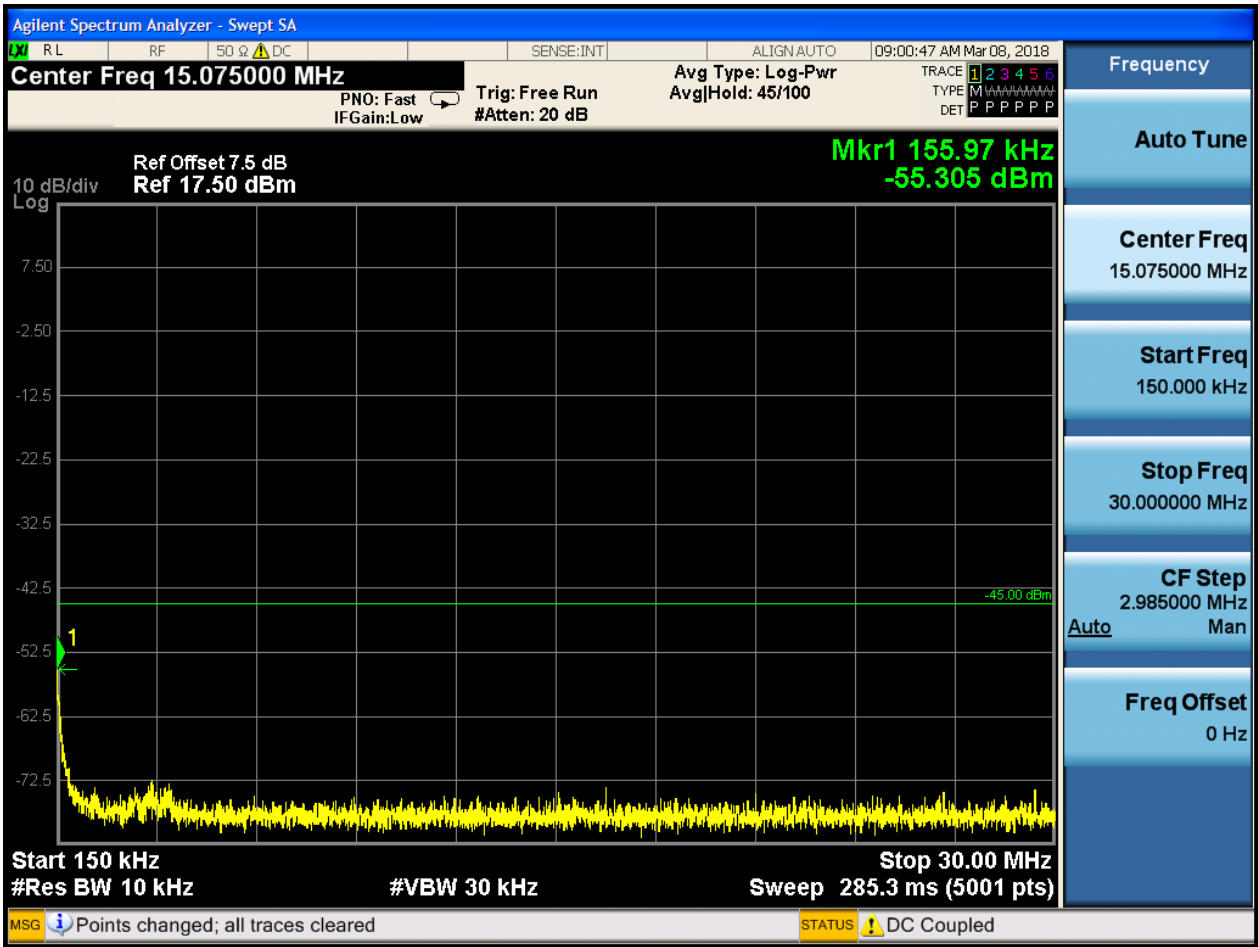
6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

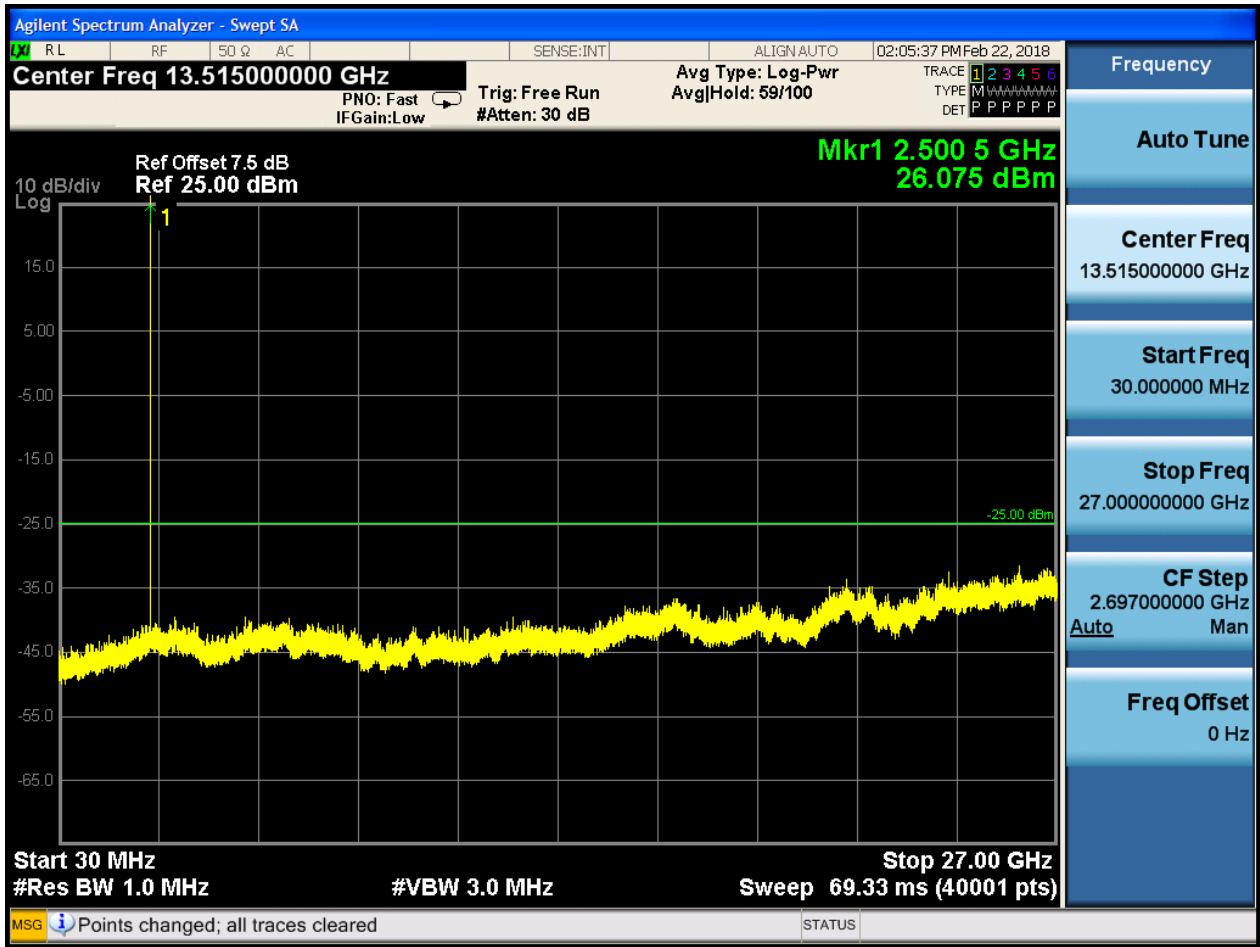
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





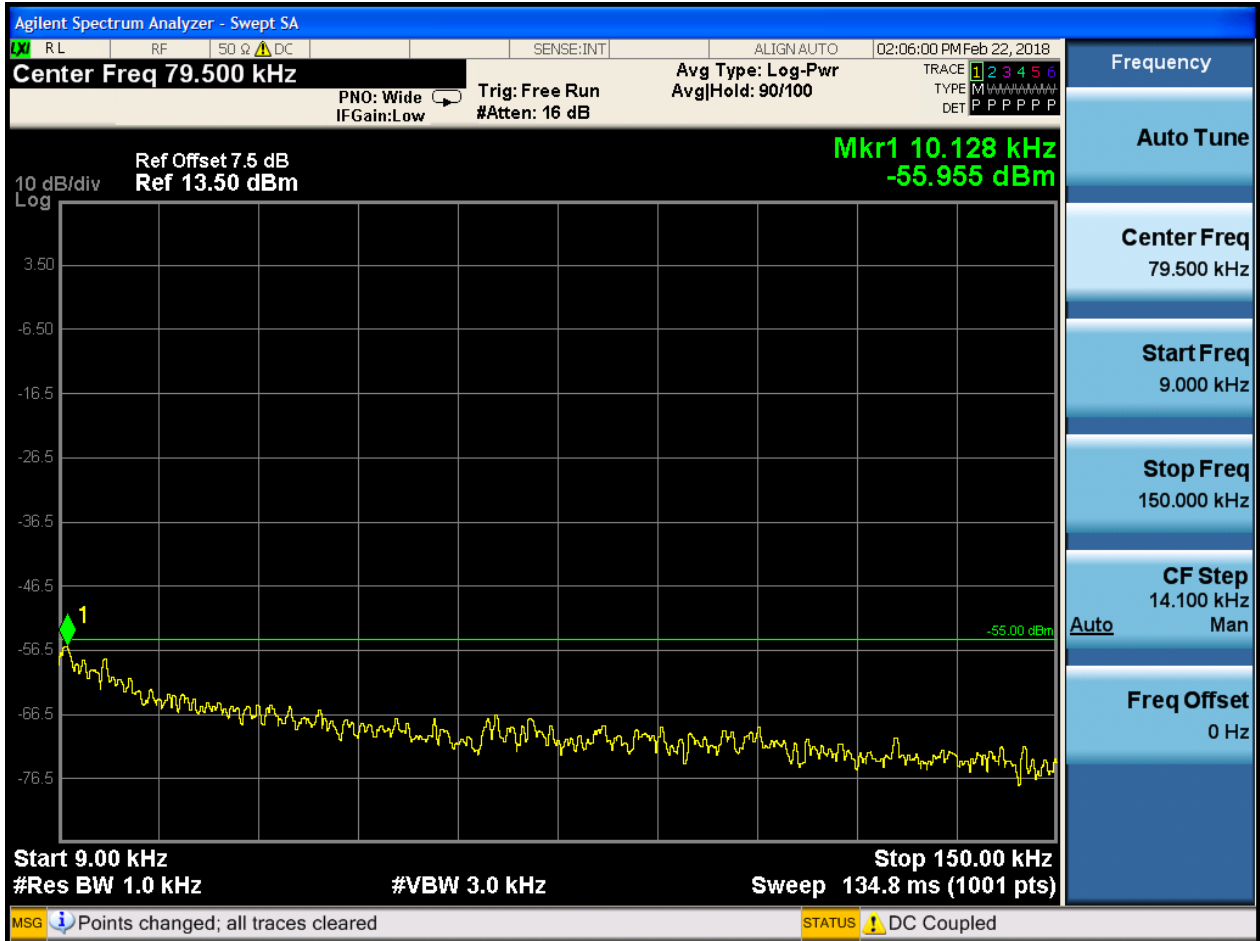


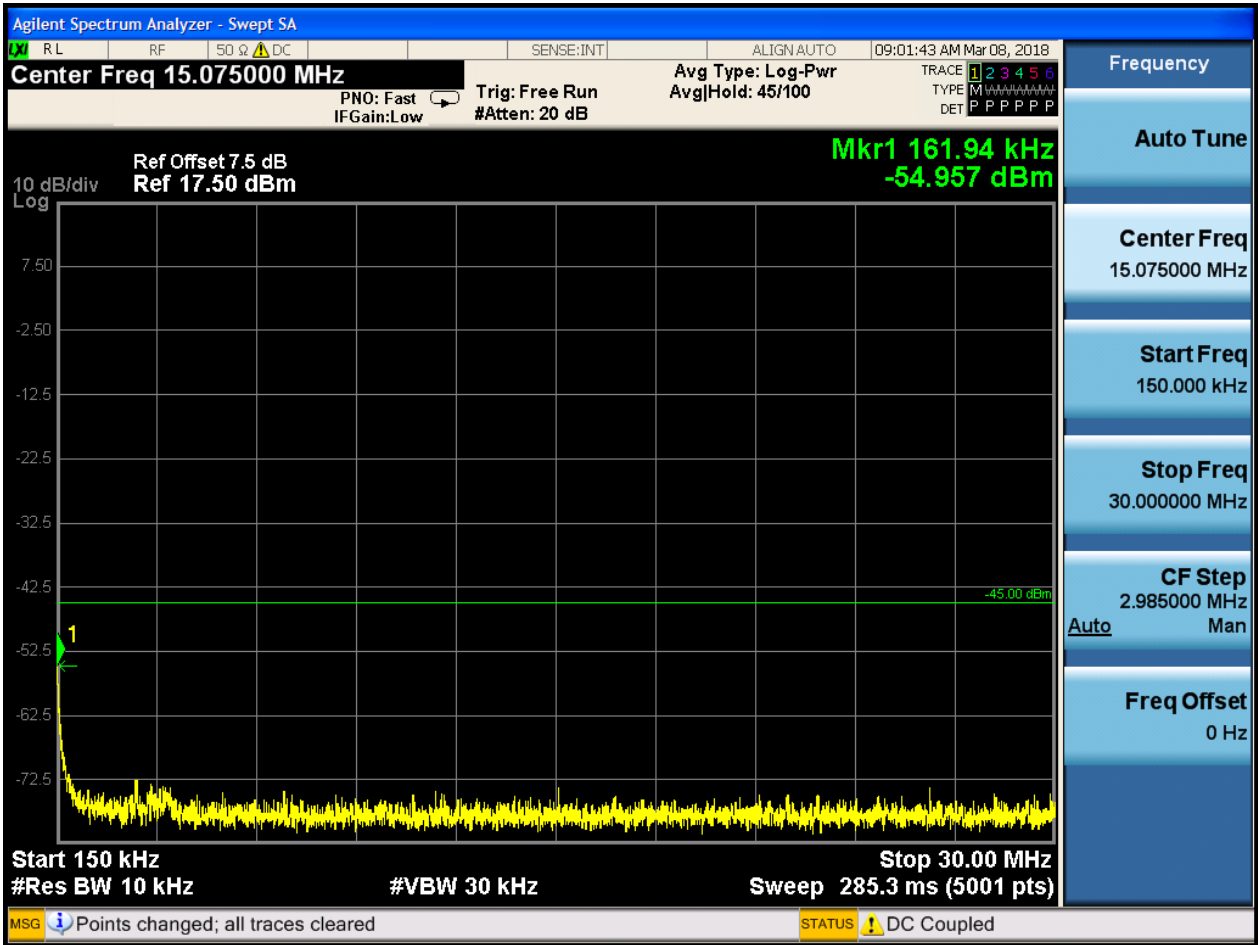


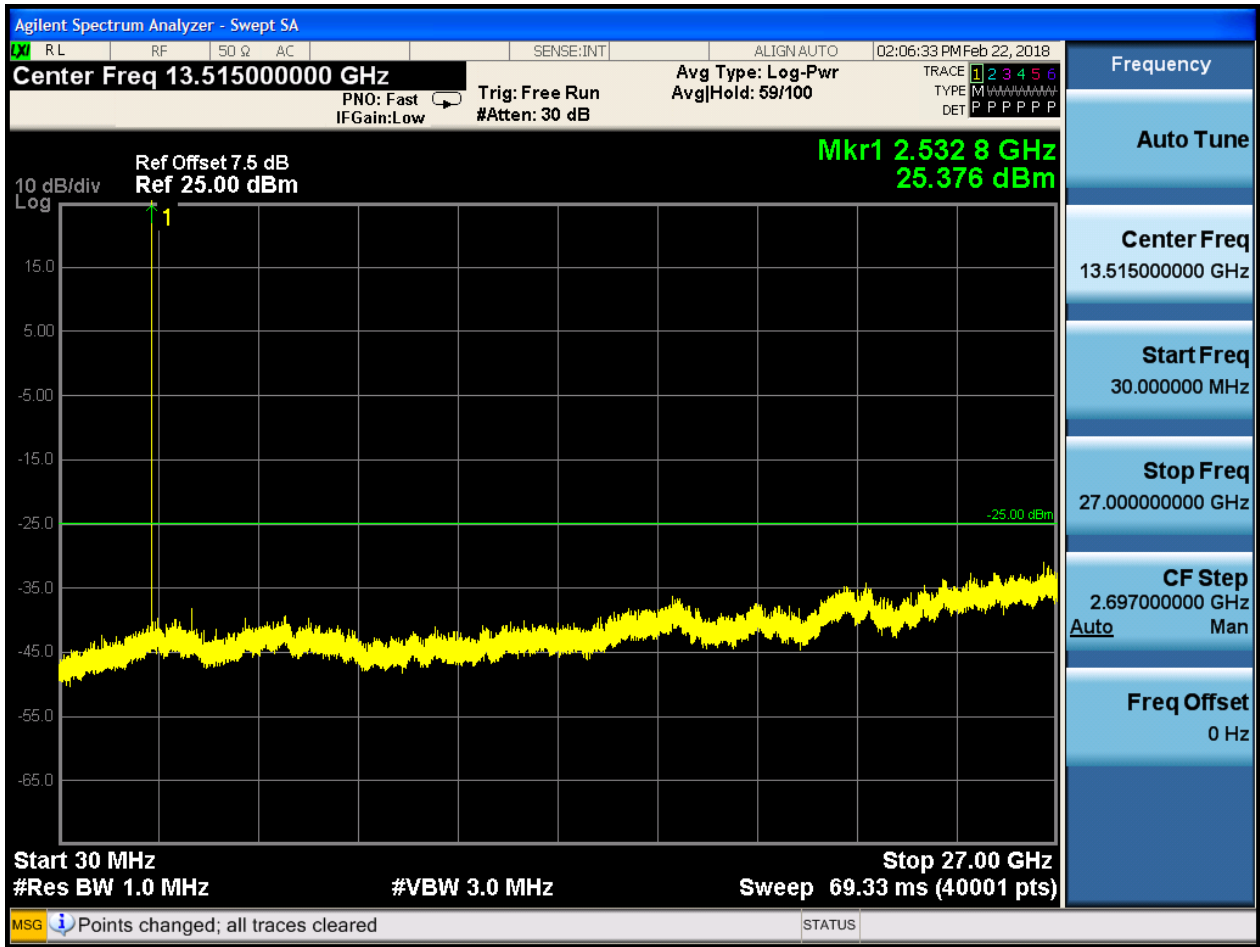


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



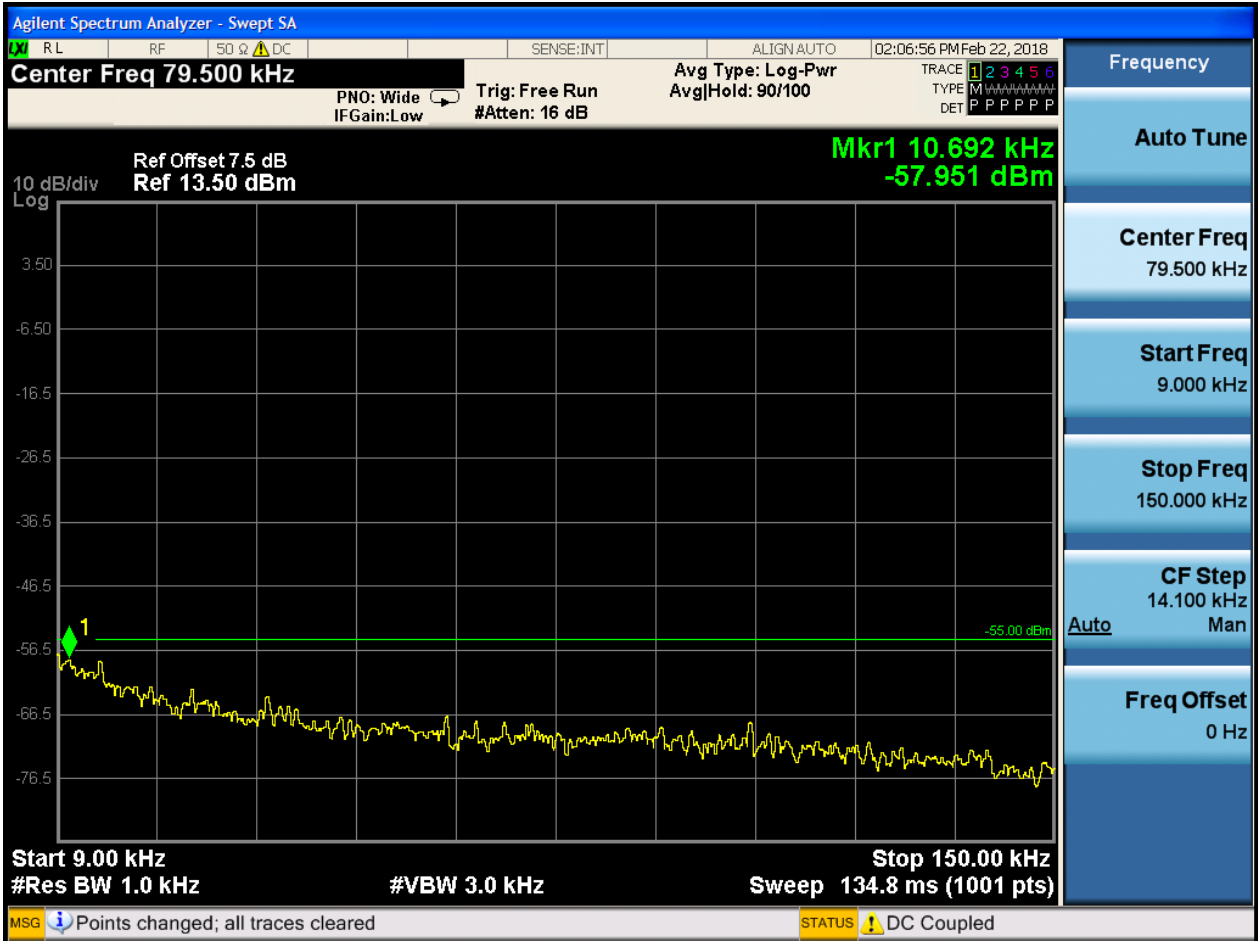


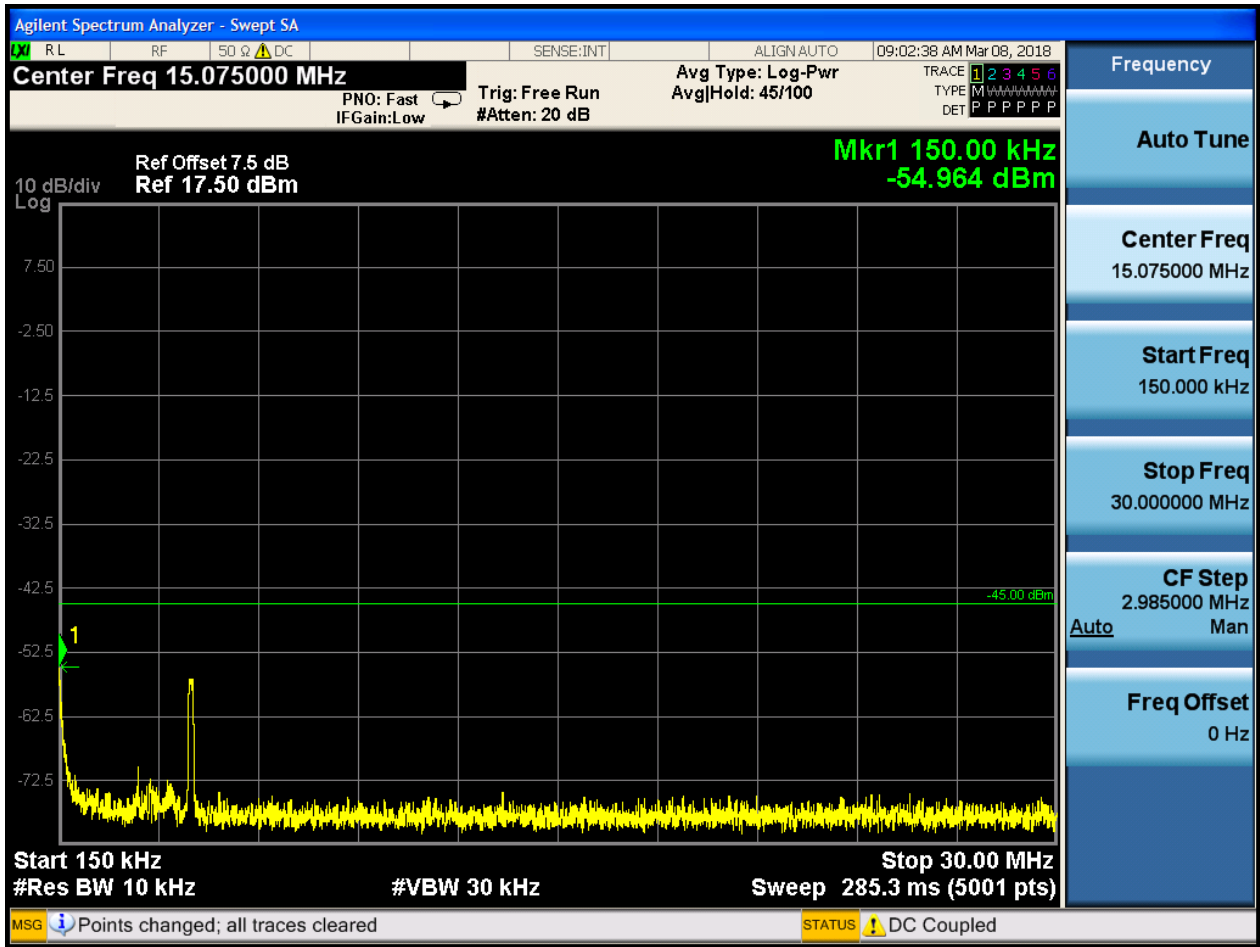


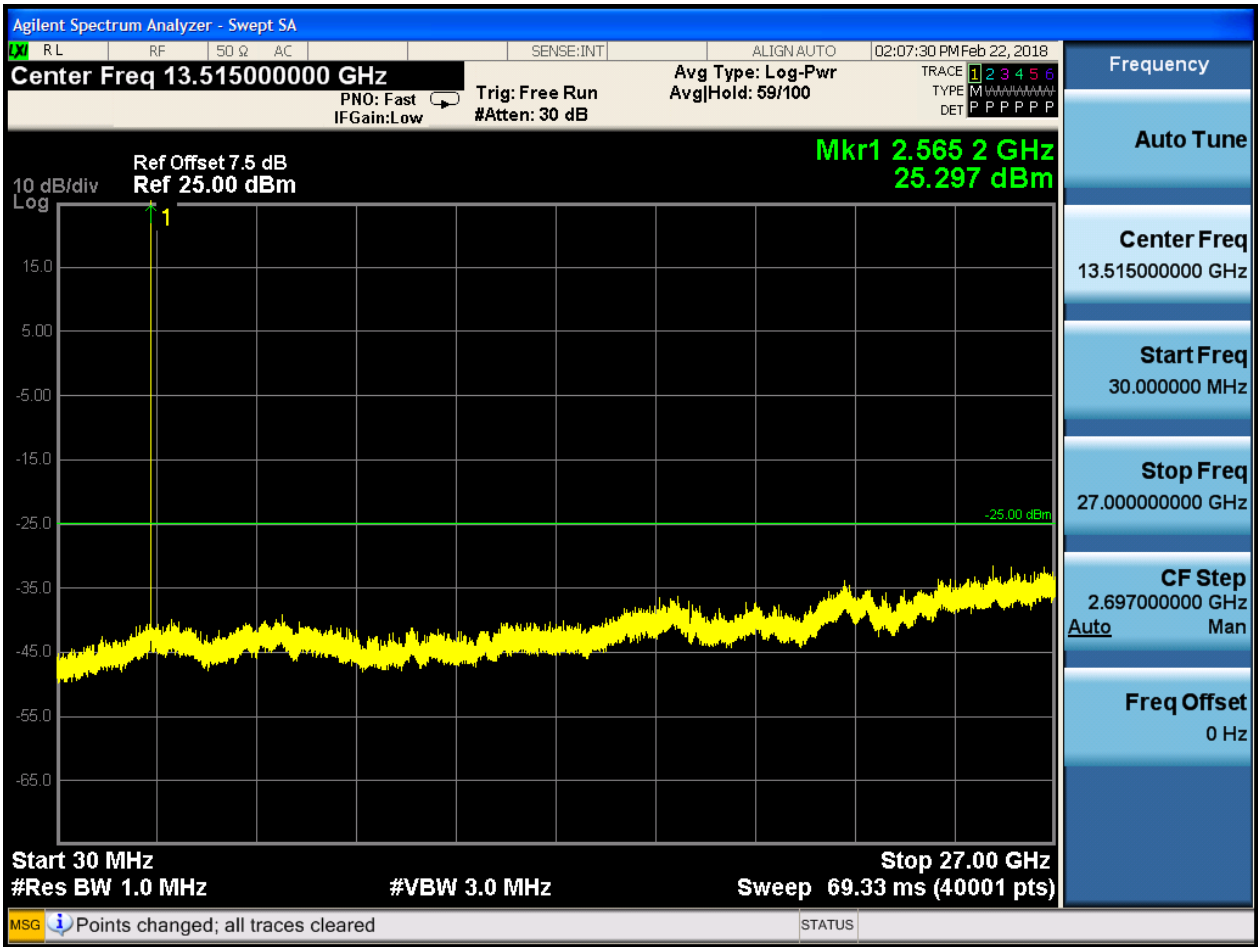


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





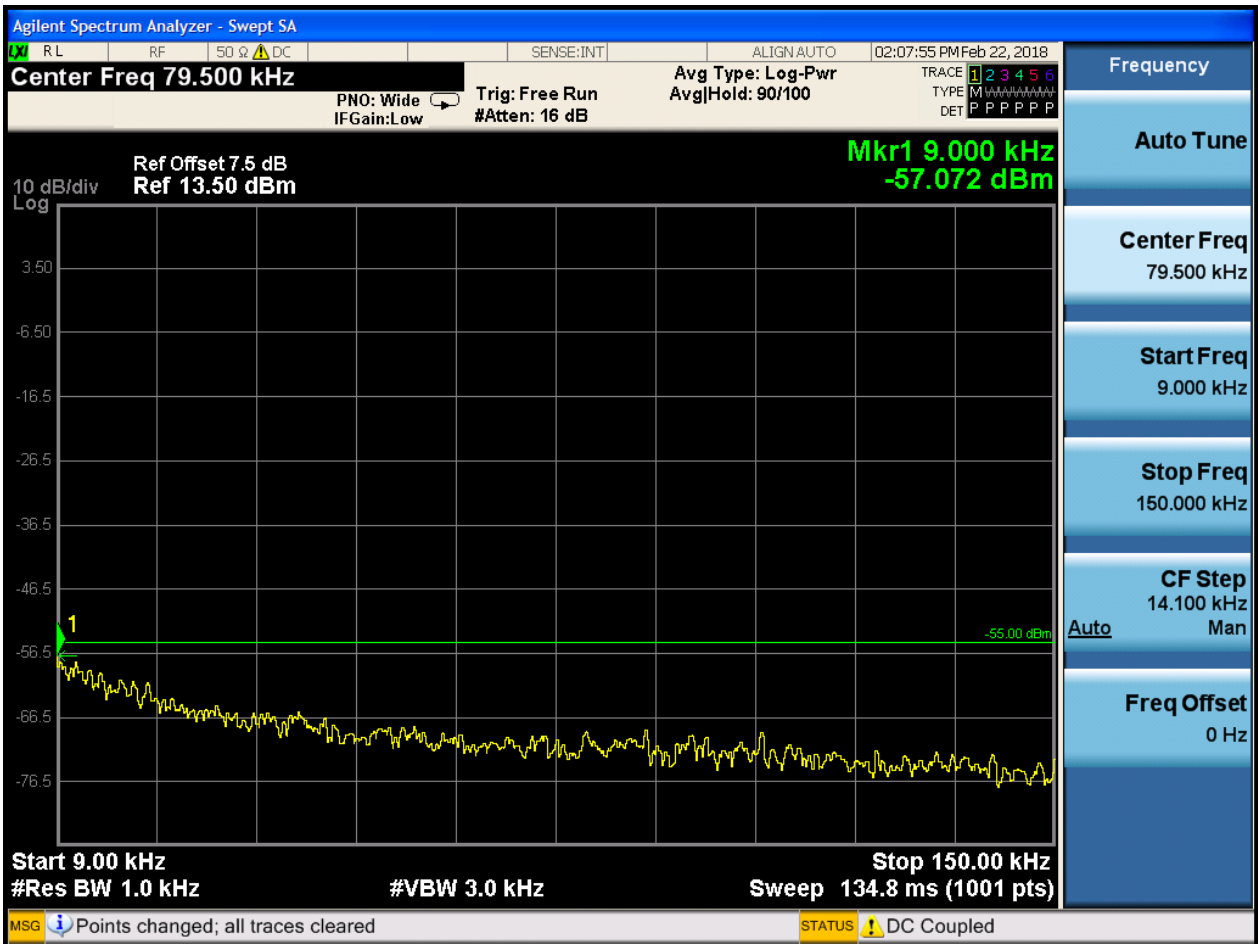




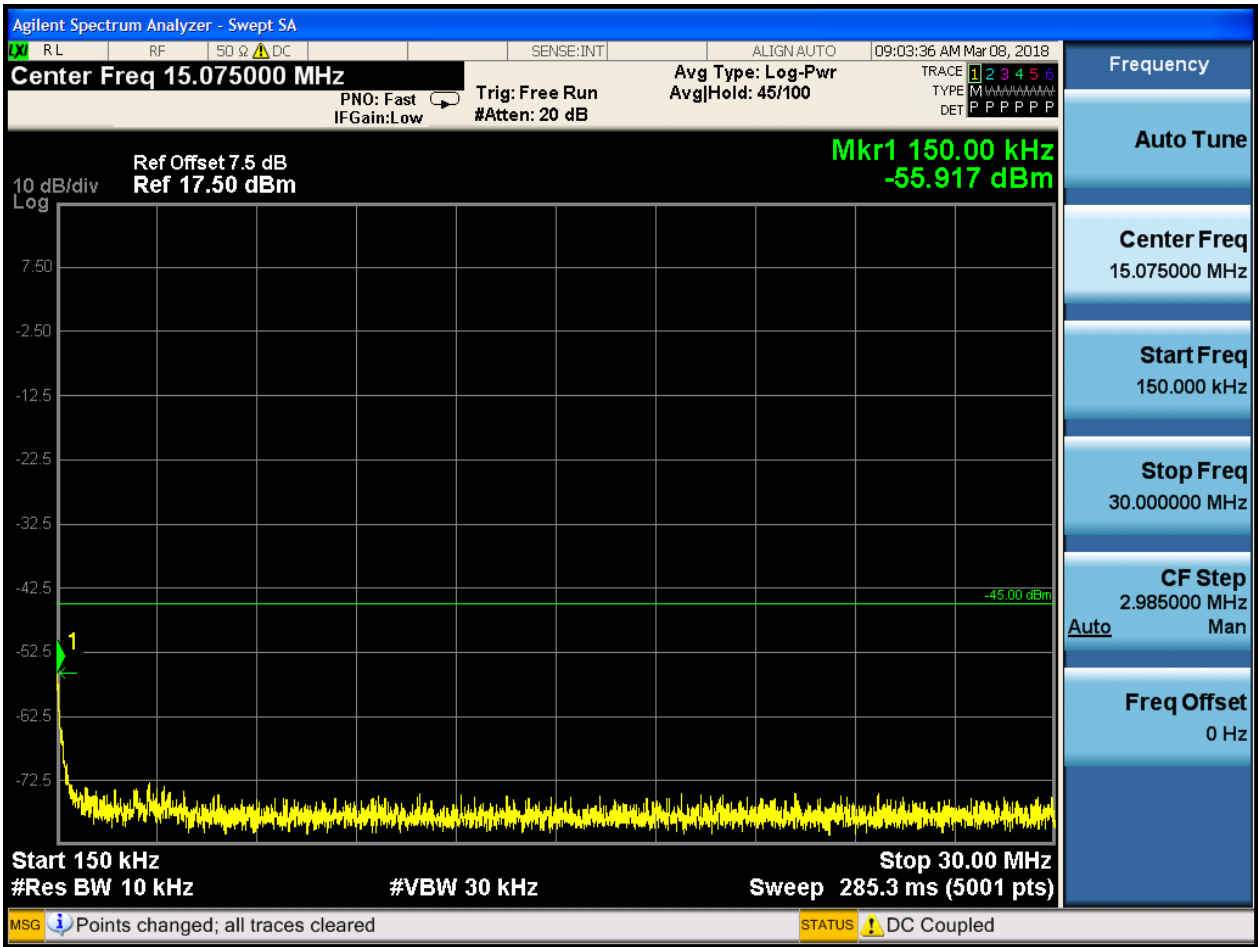
6.1.1.2.2 Test Bandwidth = 10

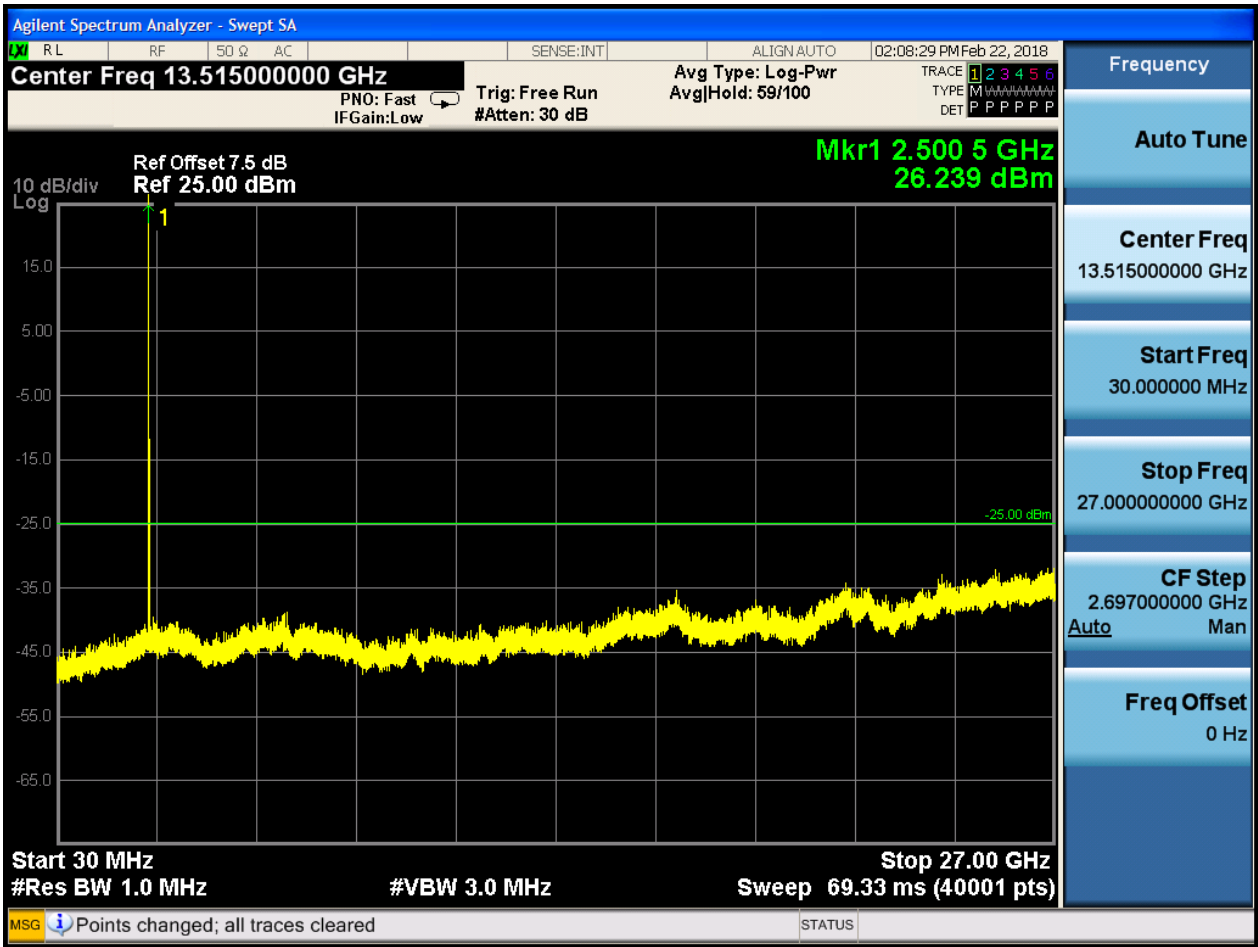
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





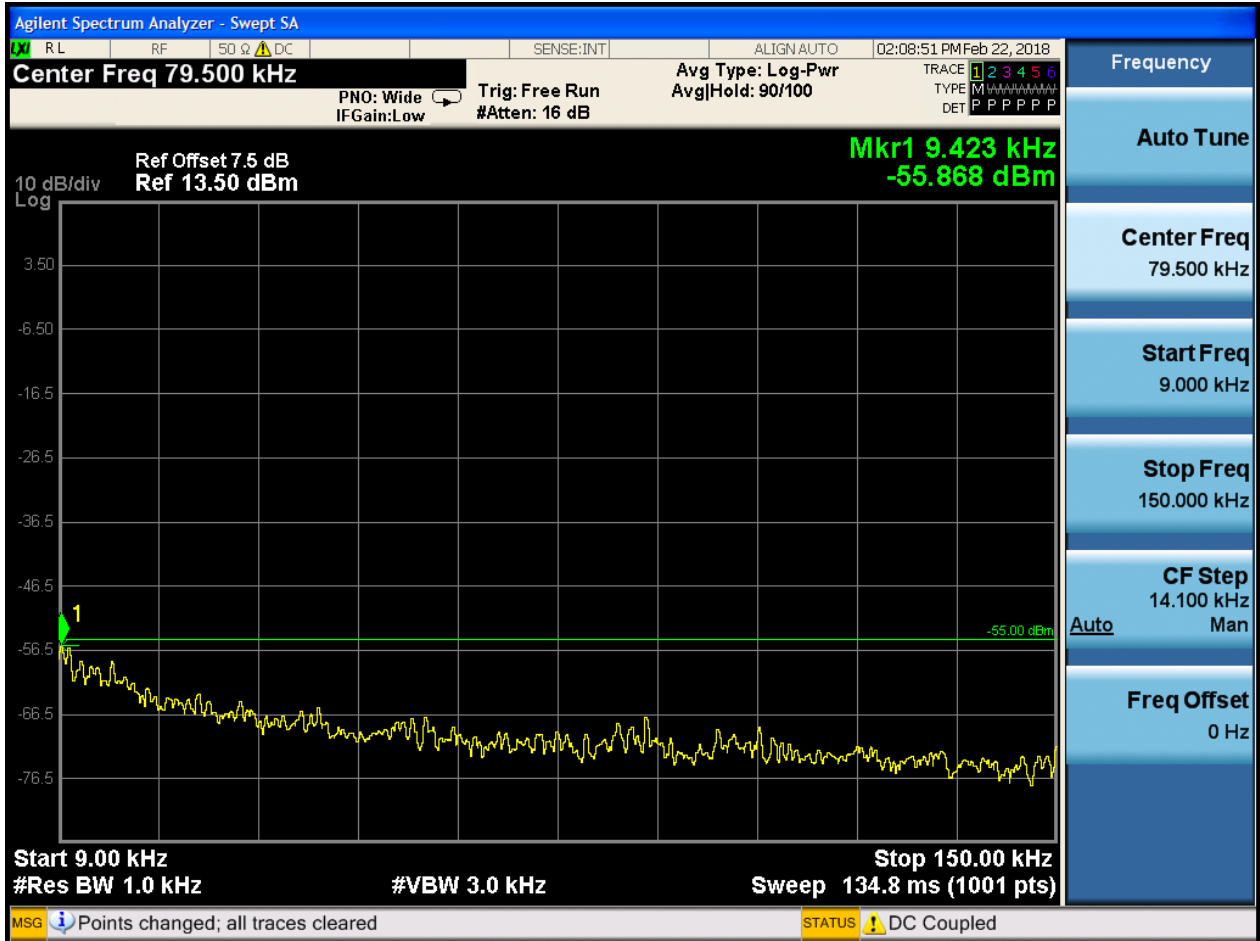


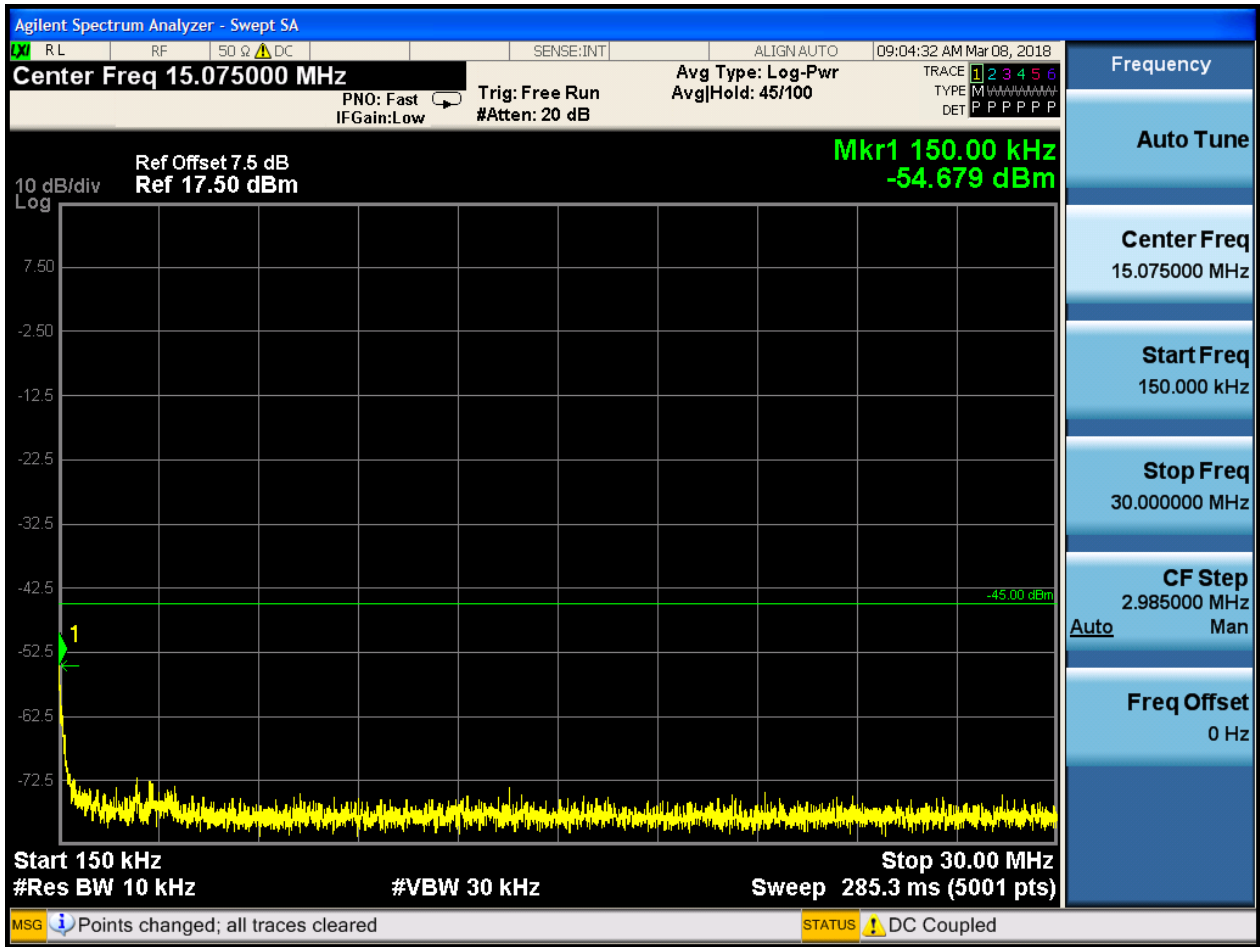


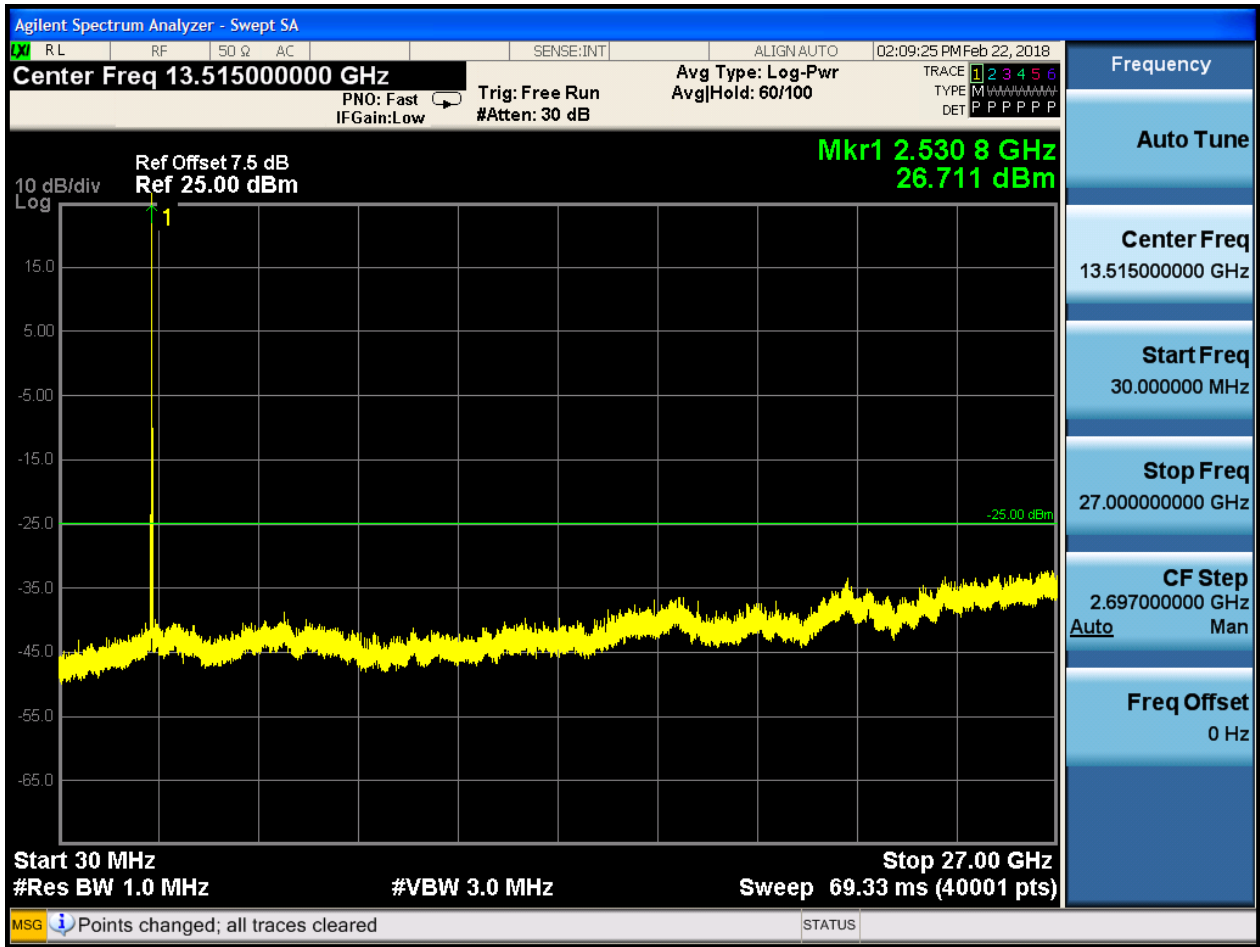


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



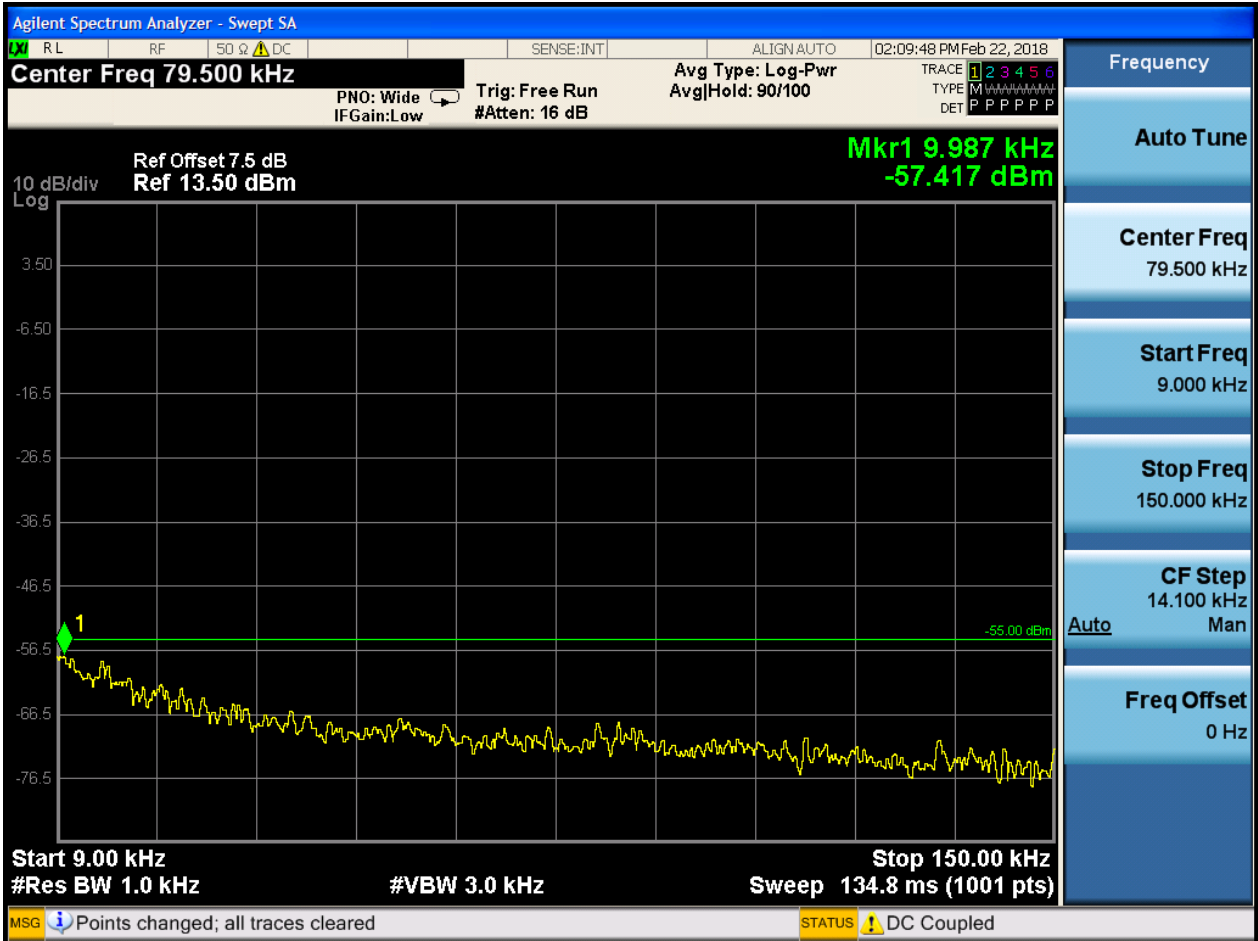




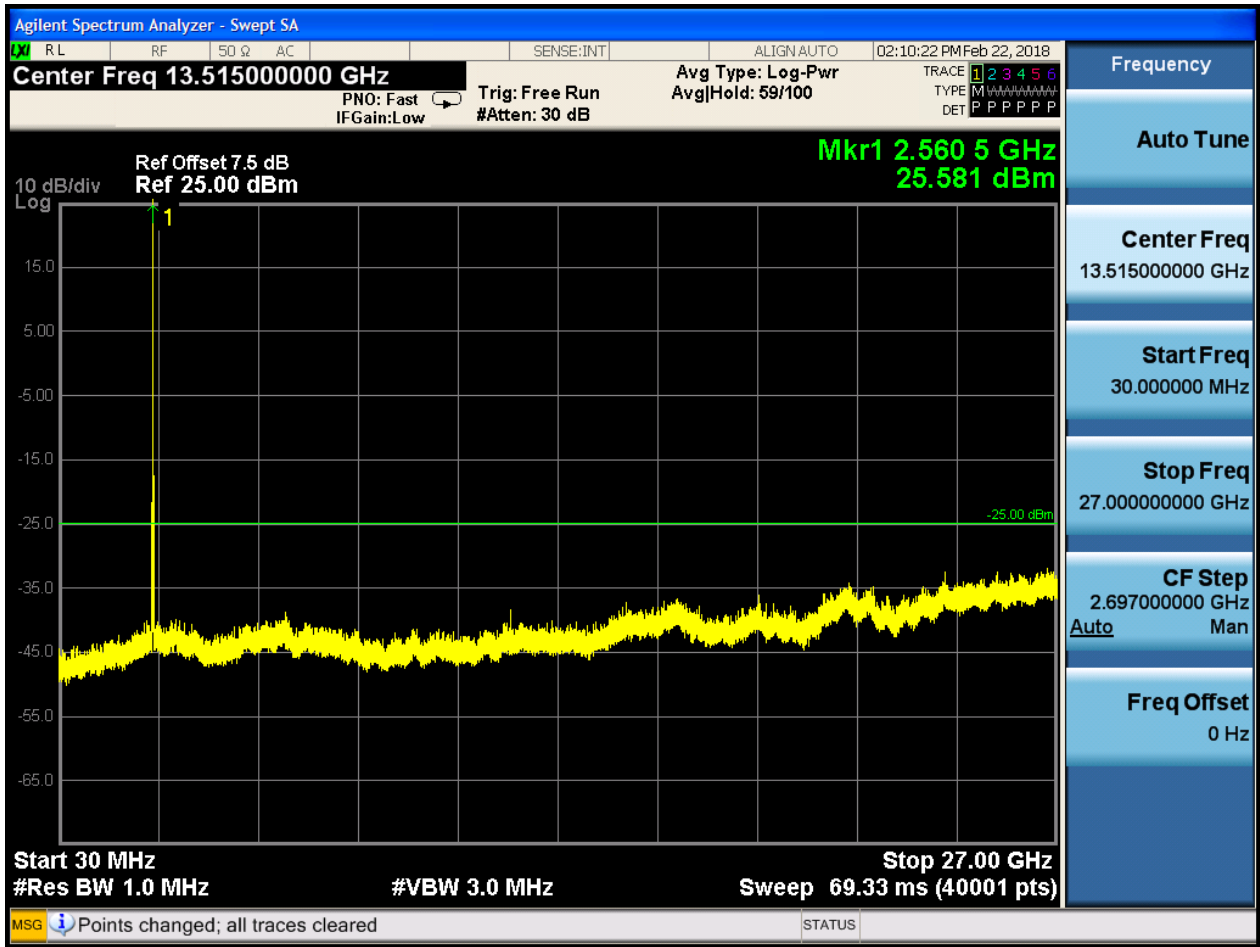


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







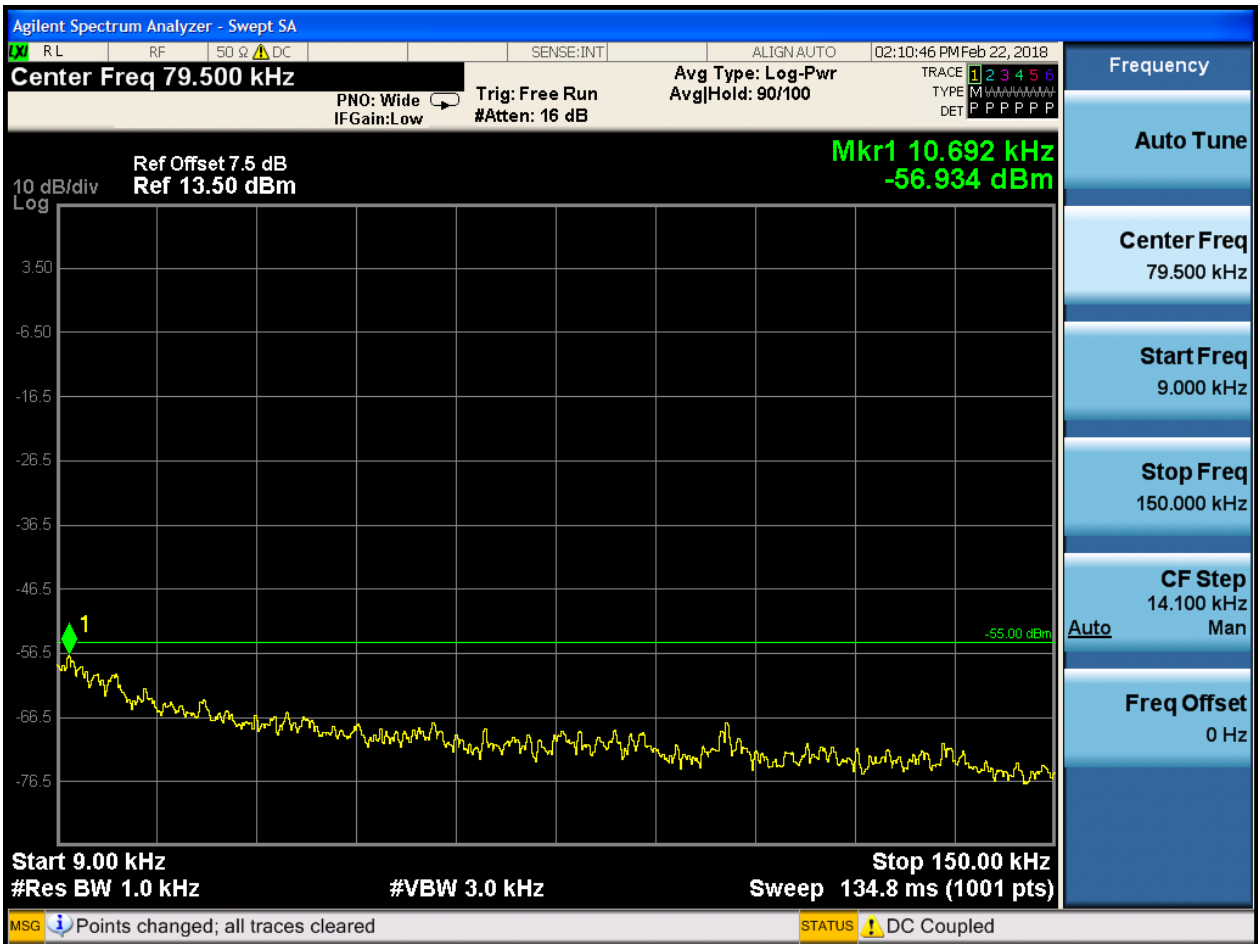


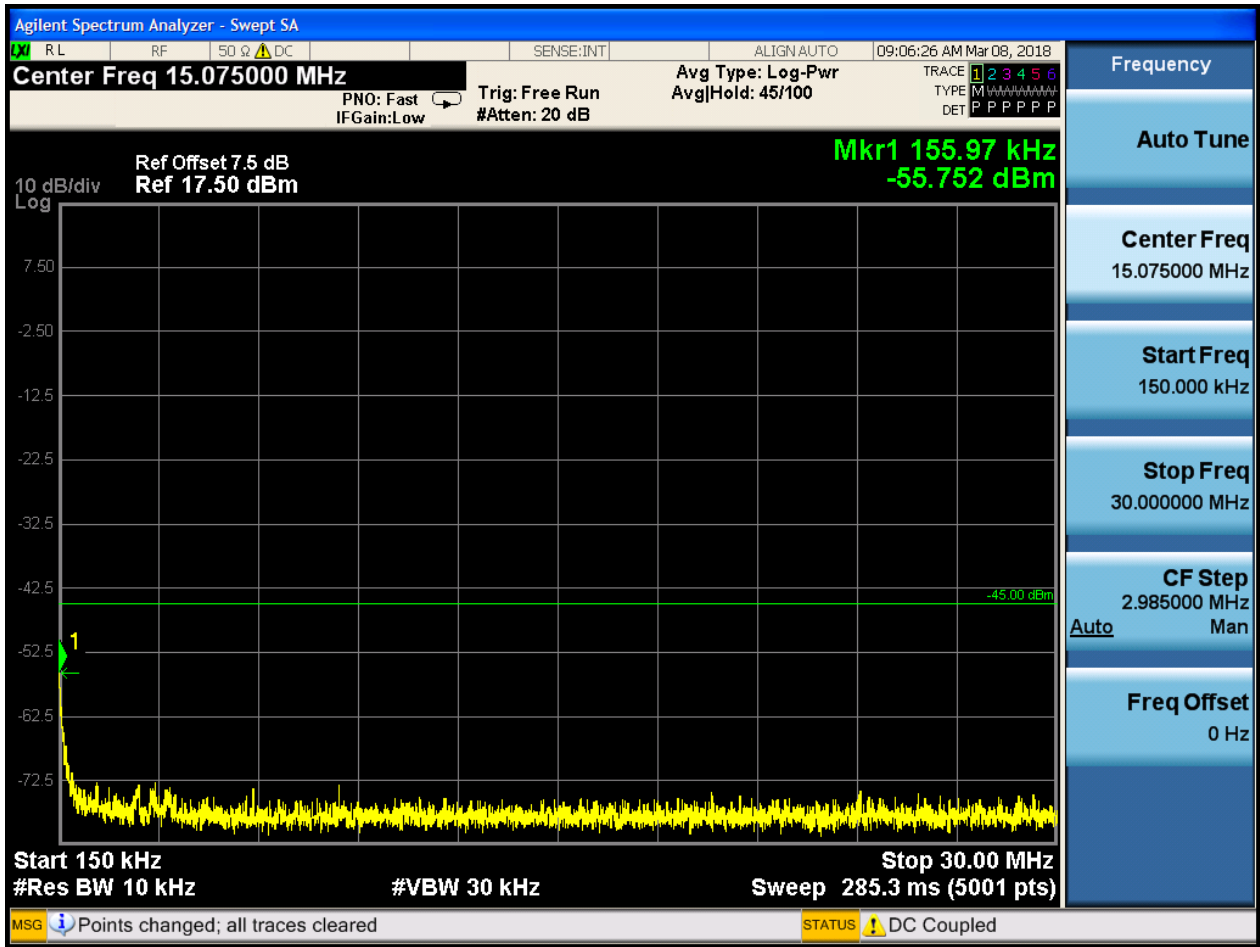


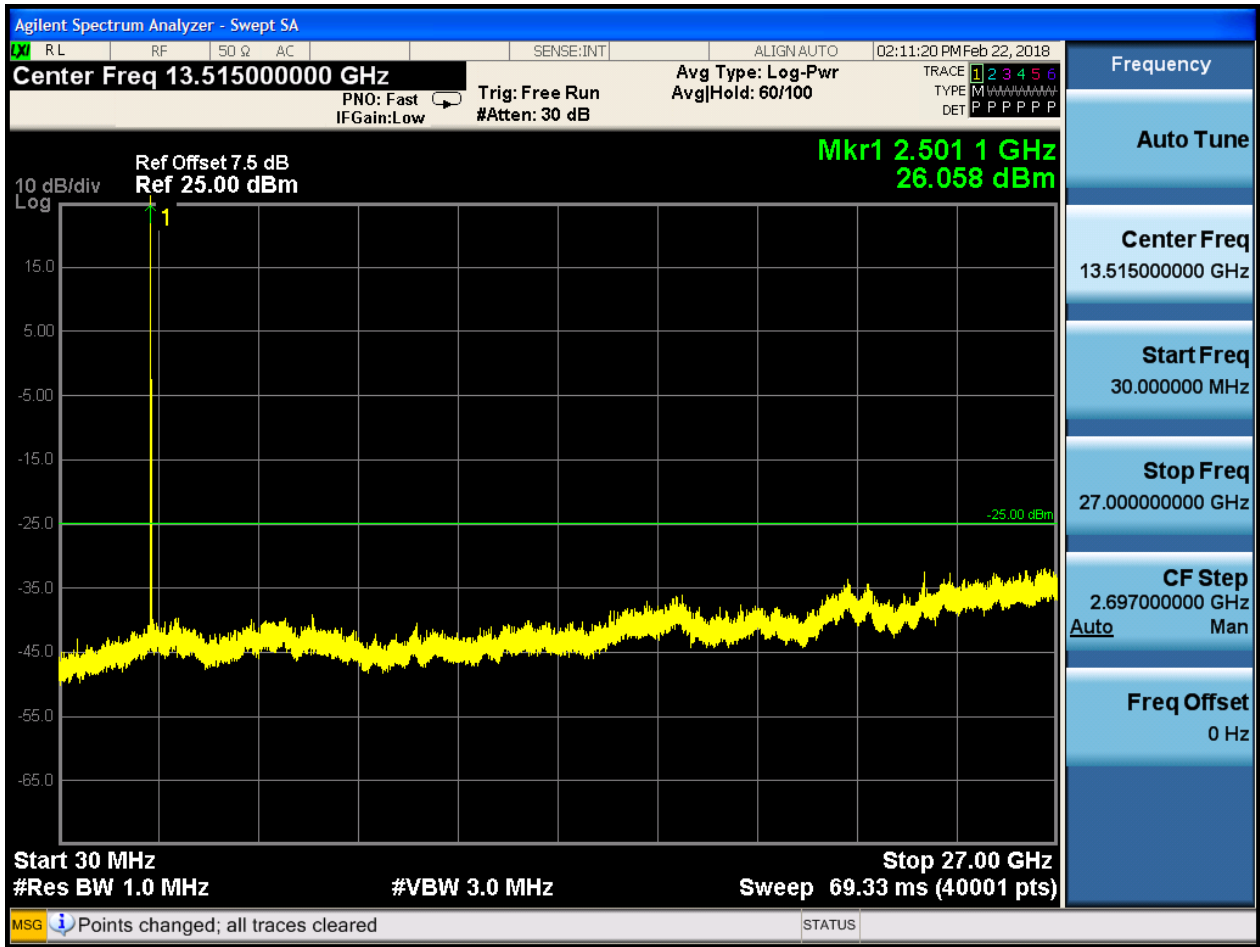
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



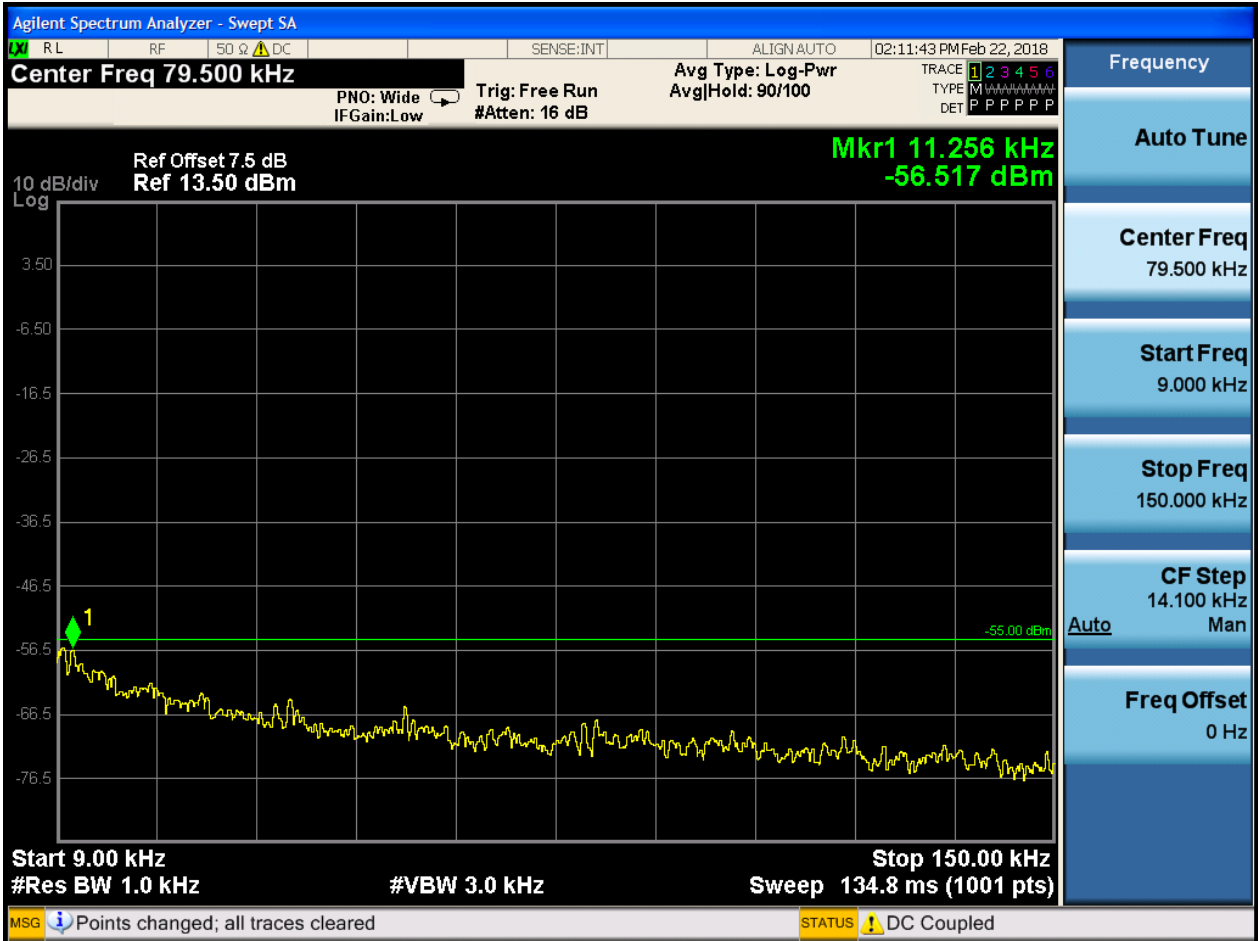


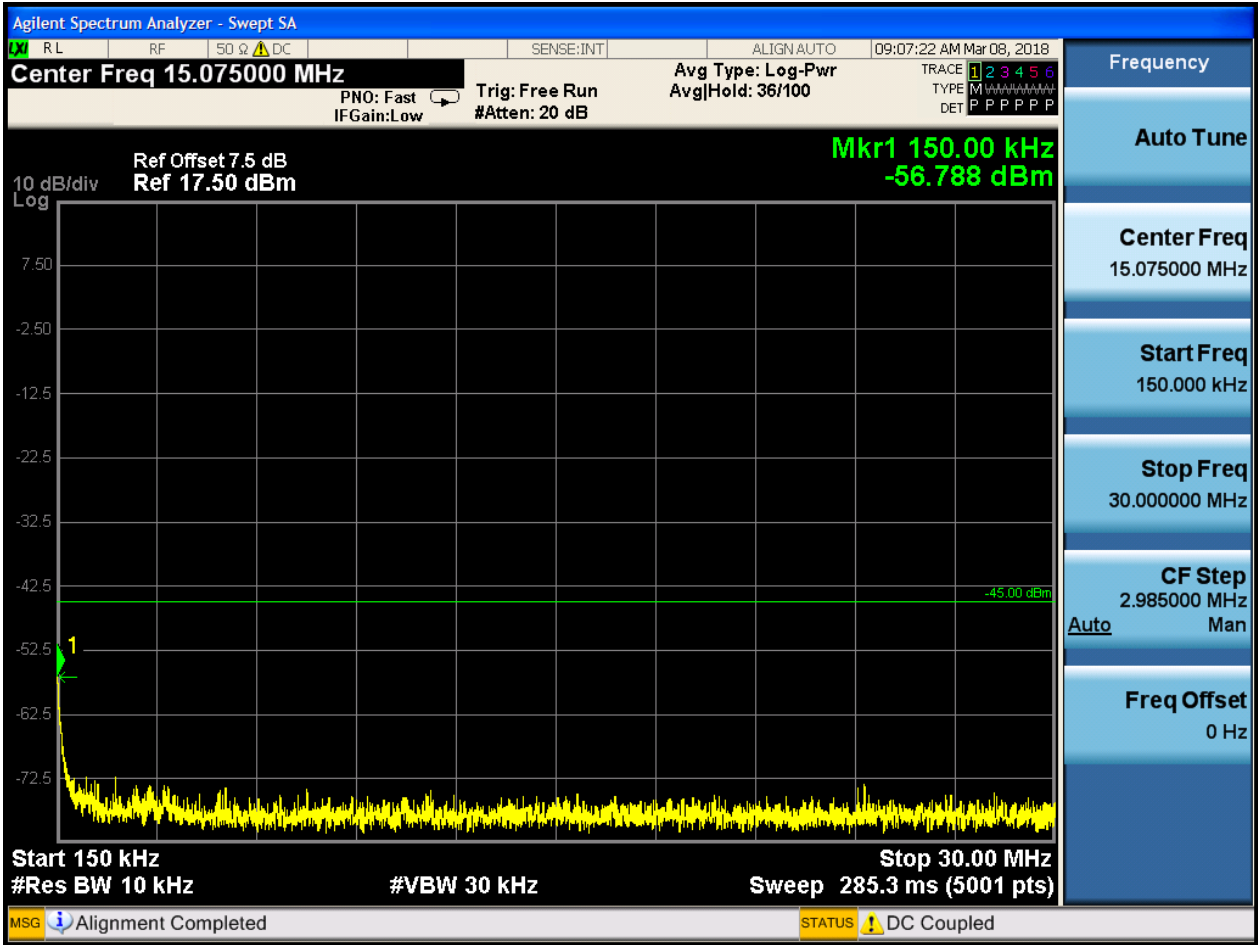


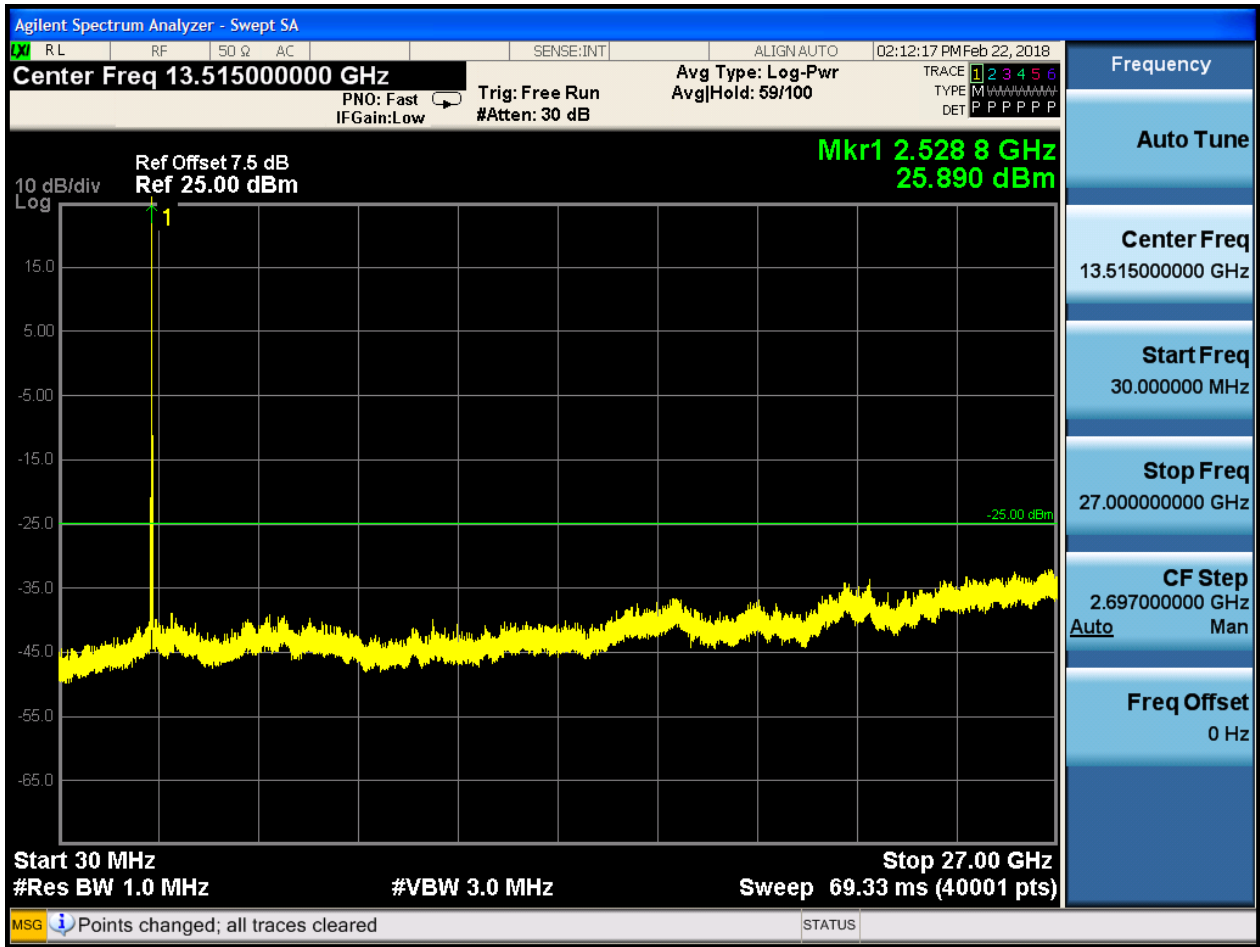


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



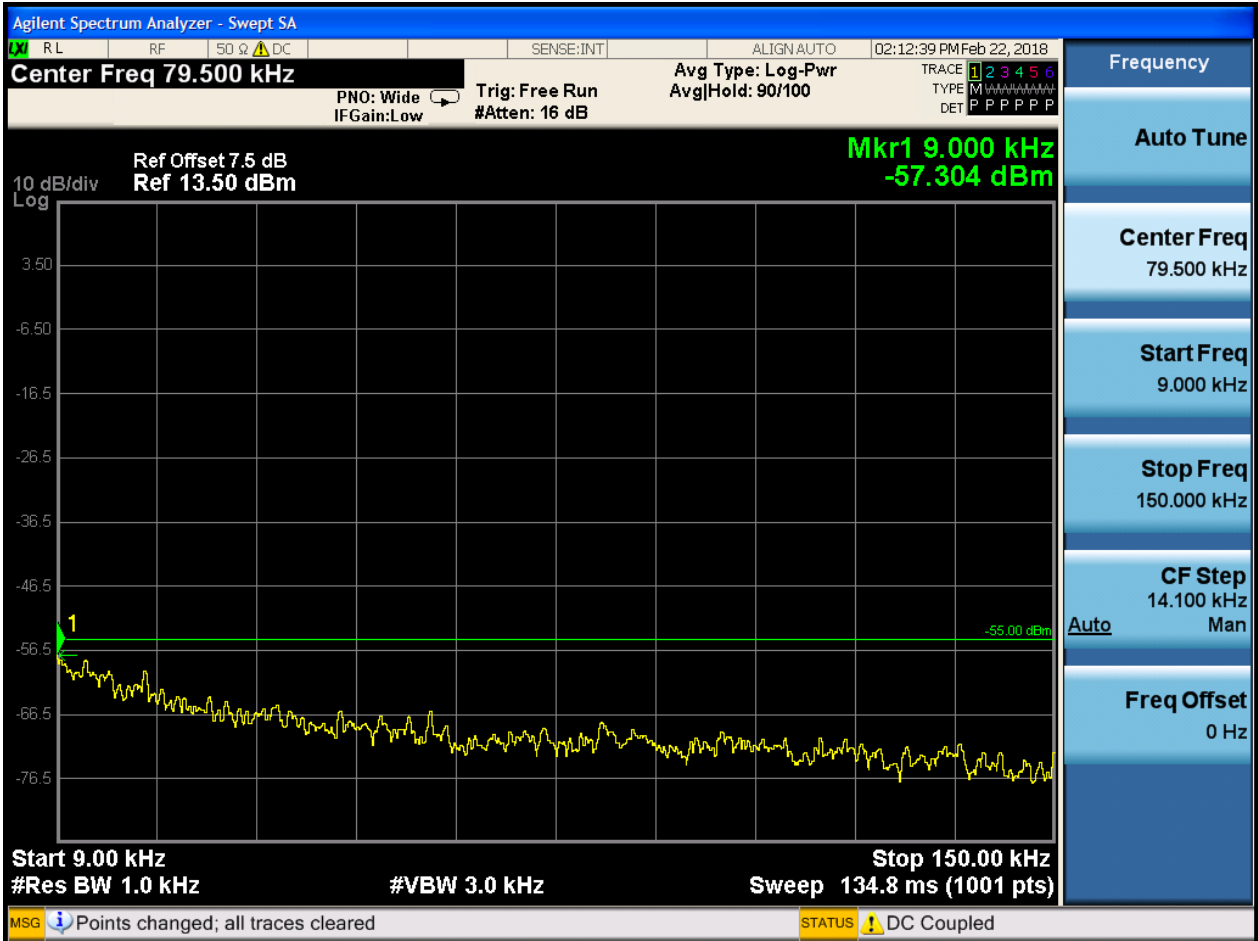


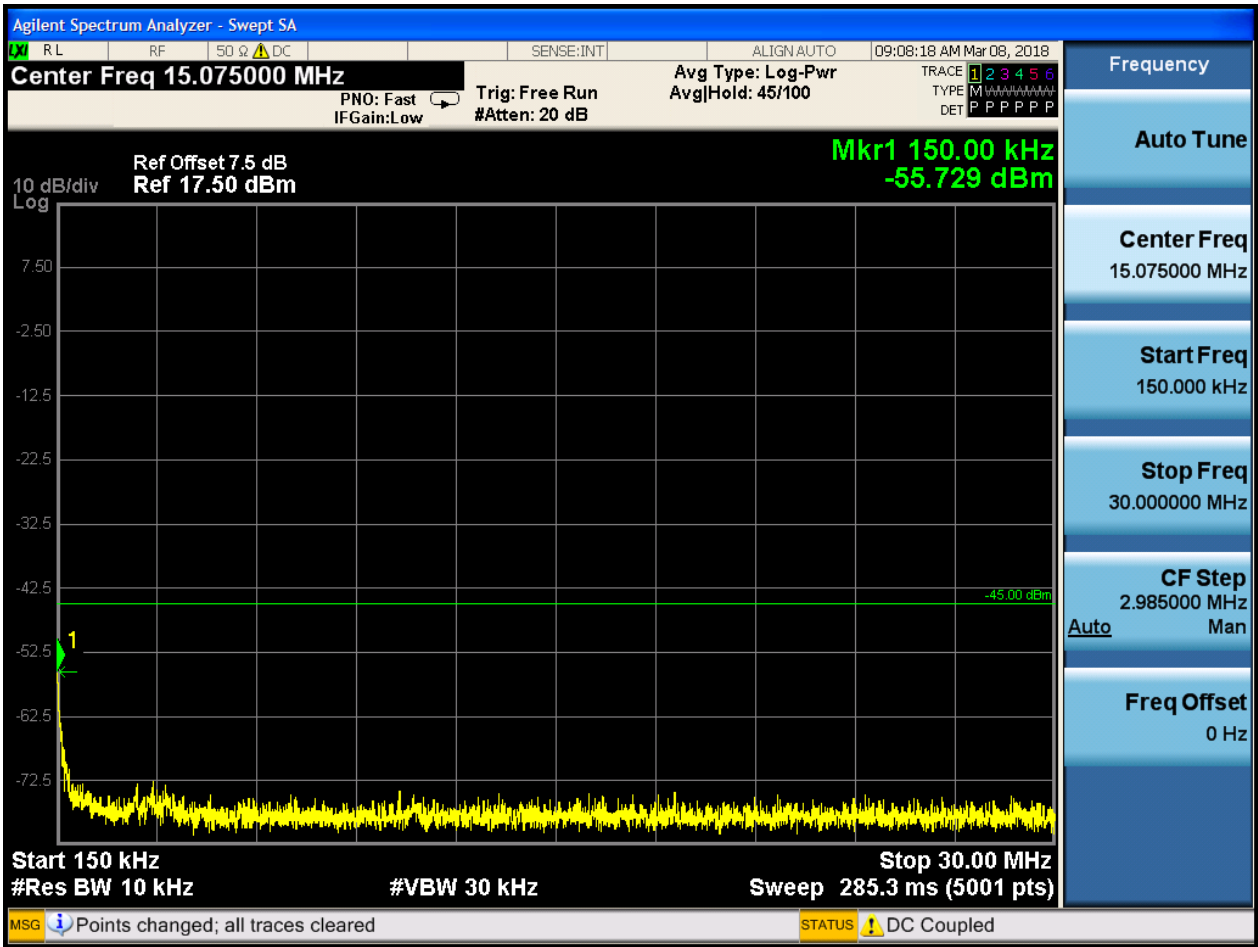




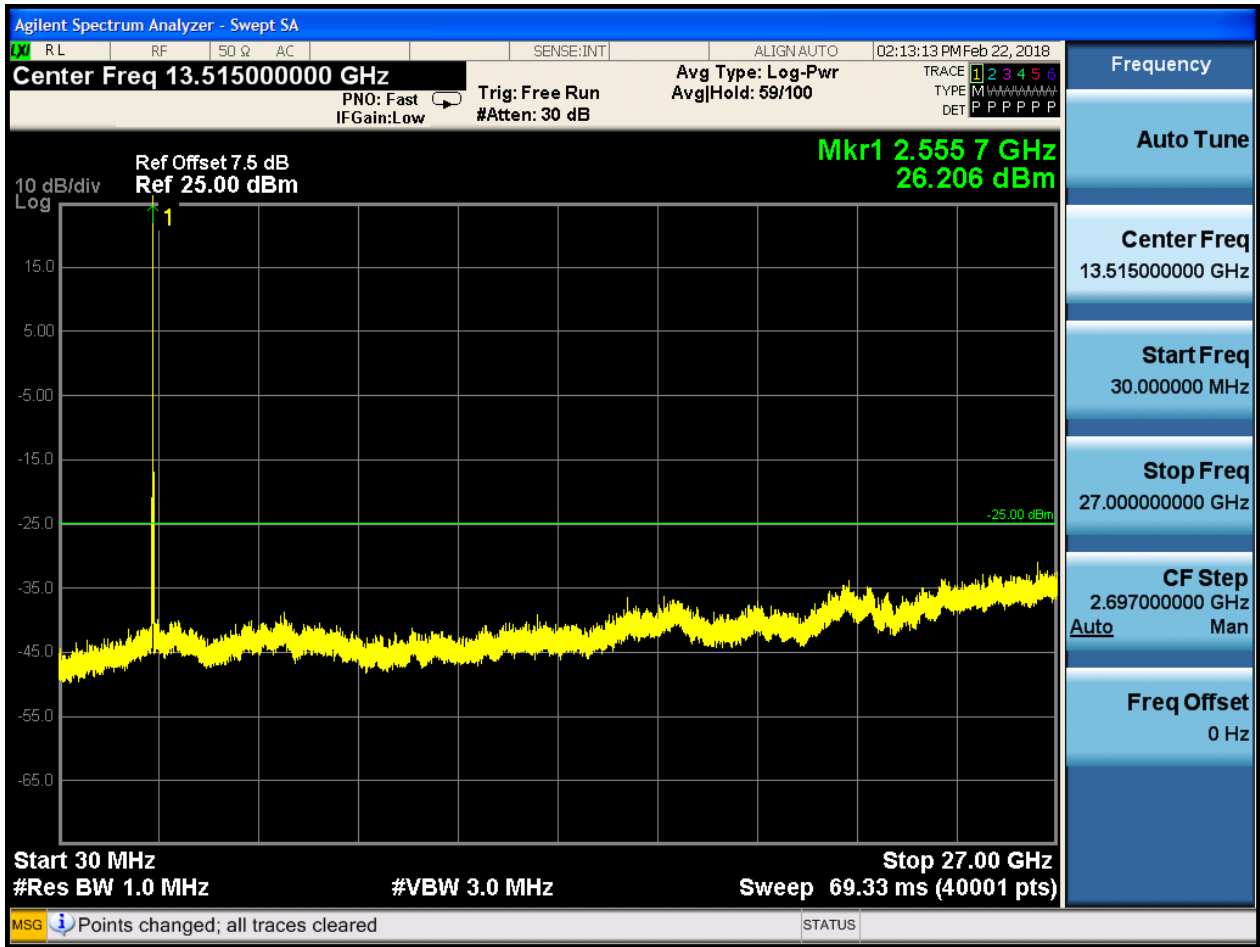
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0







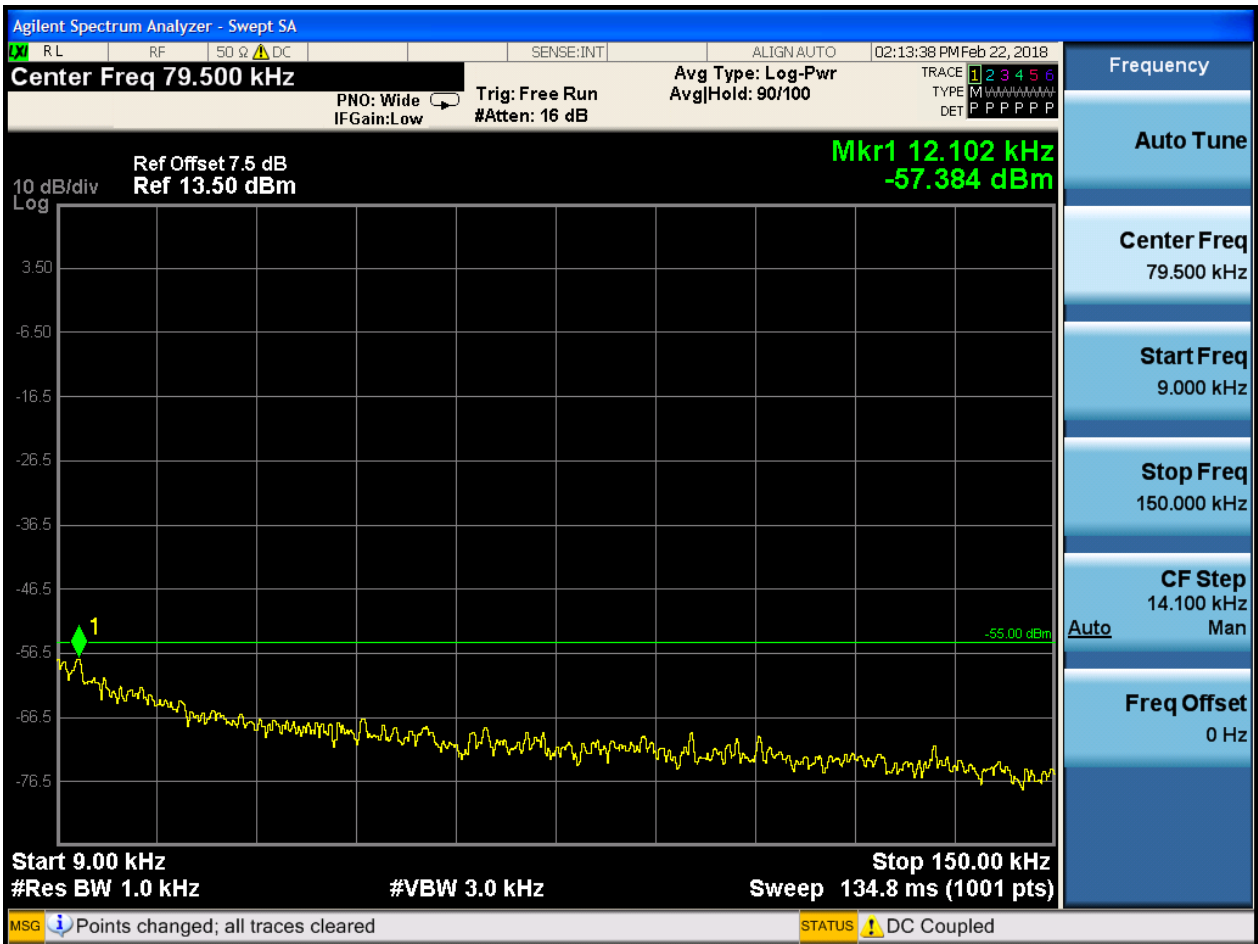


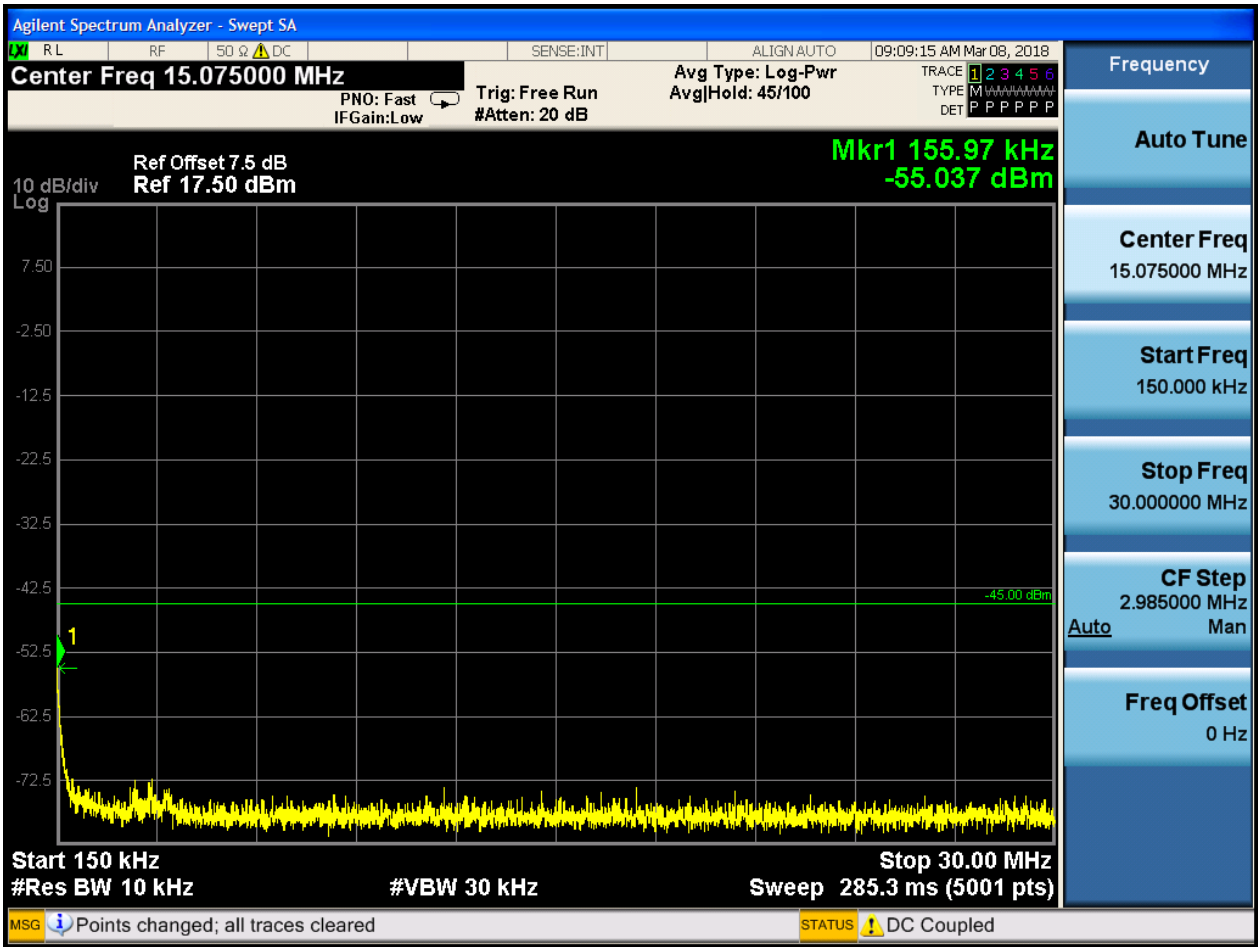


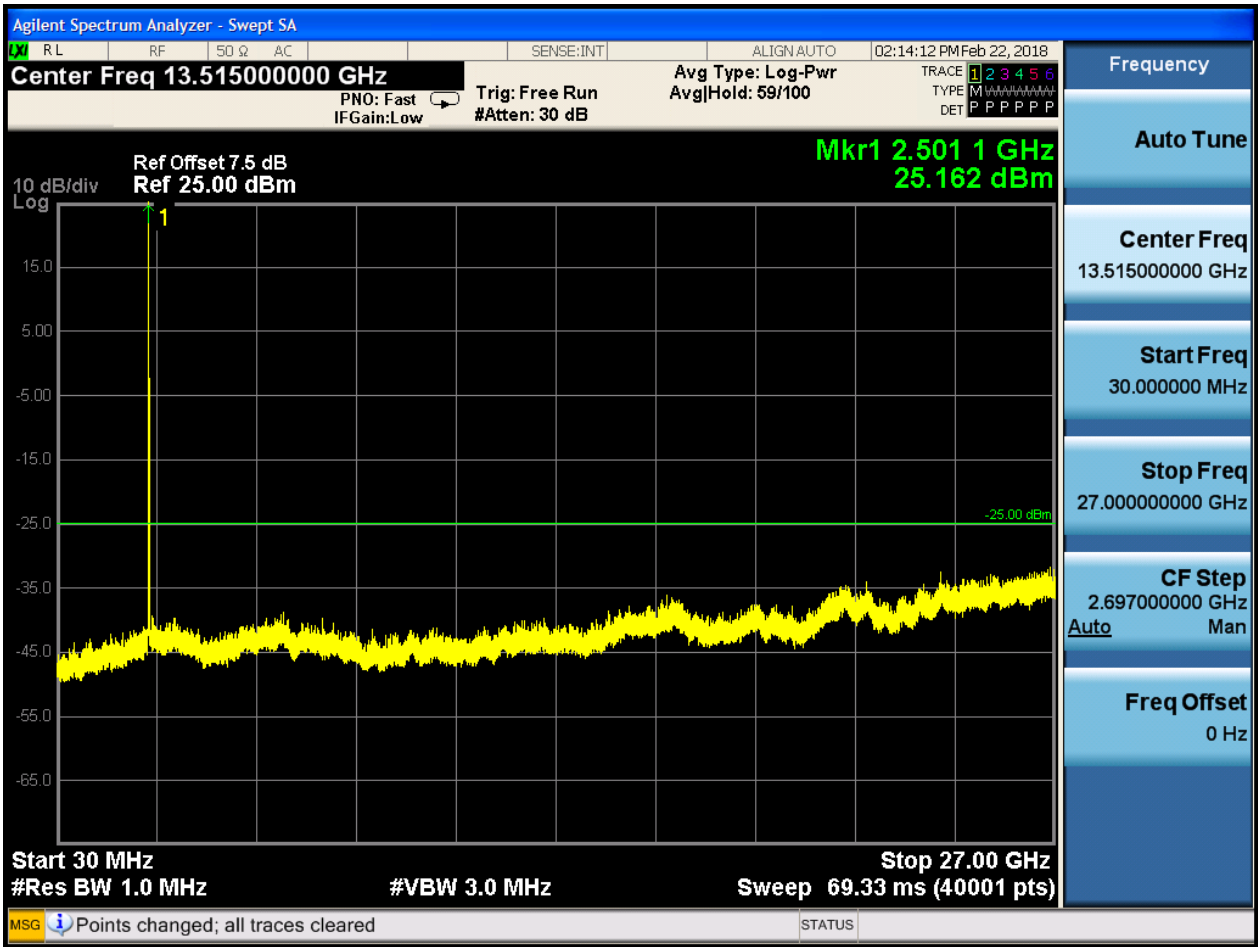
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



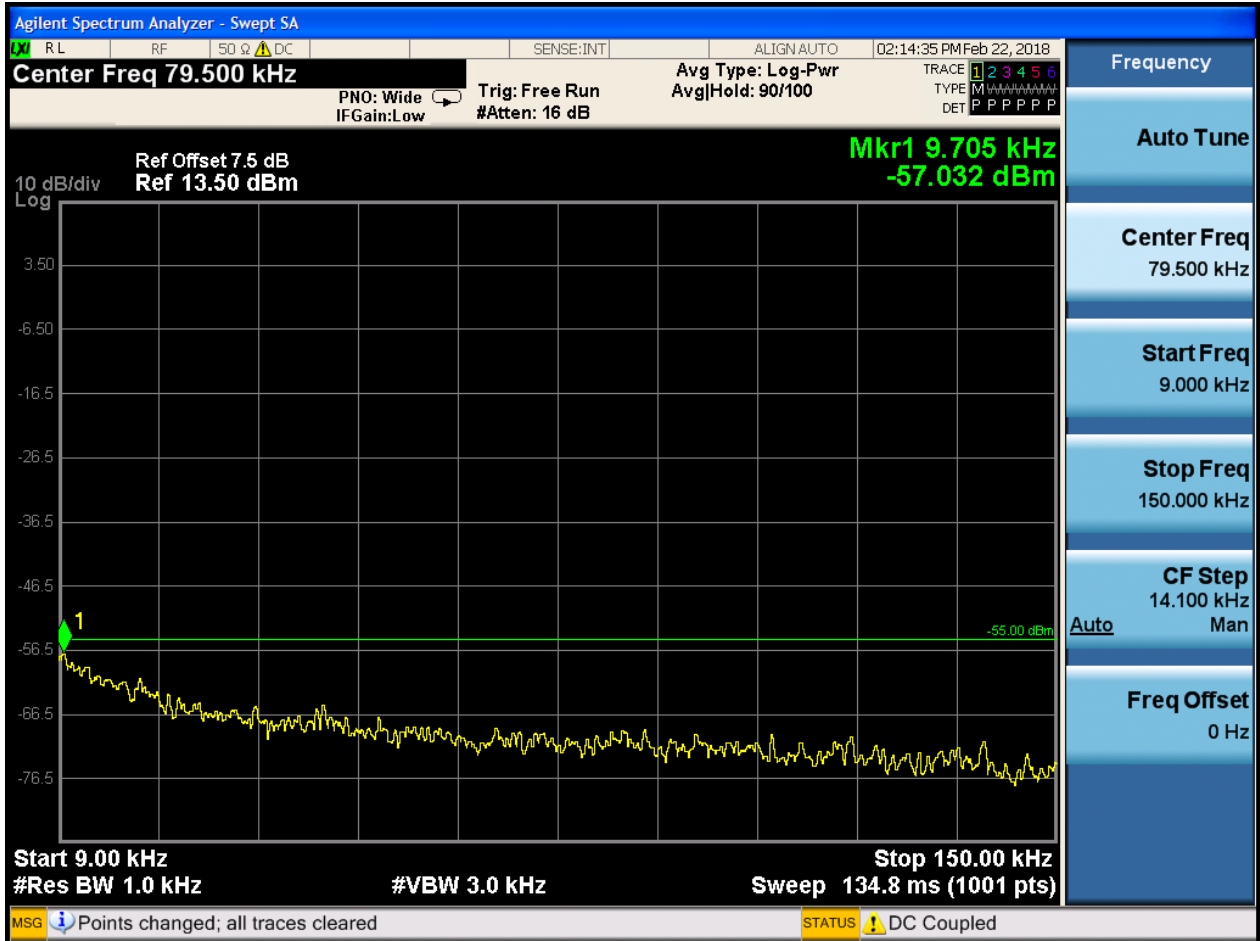


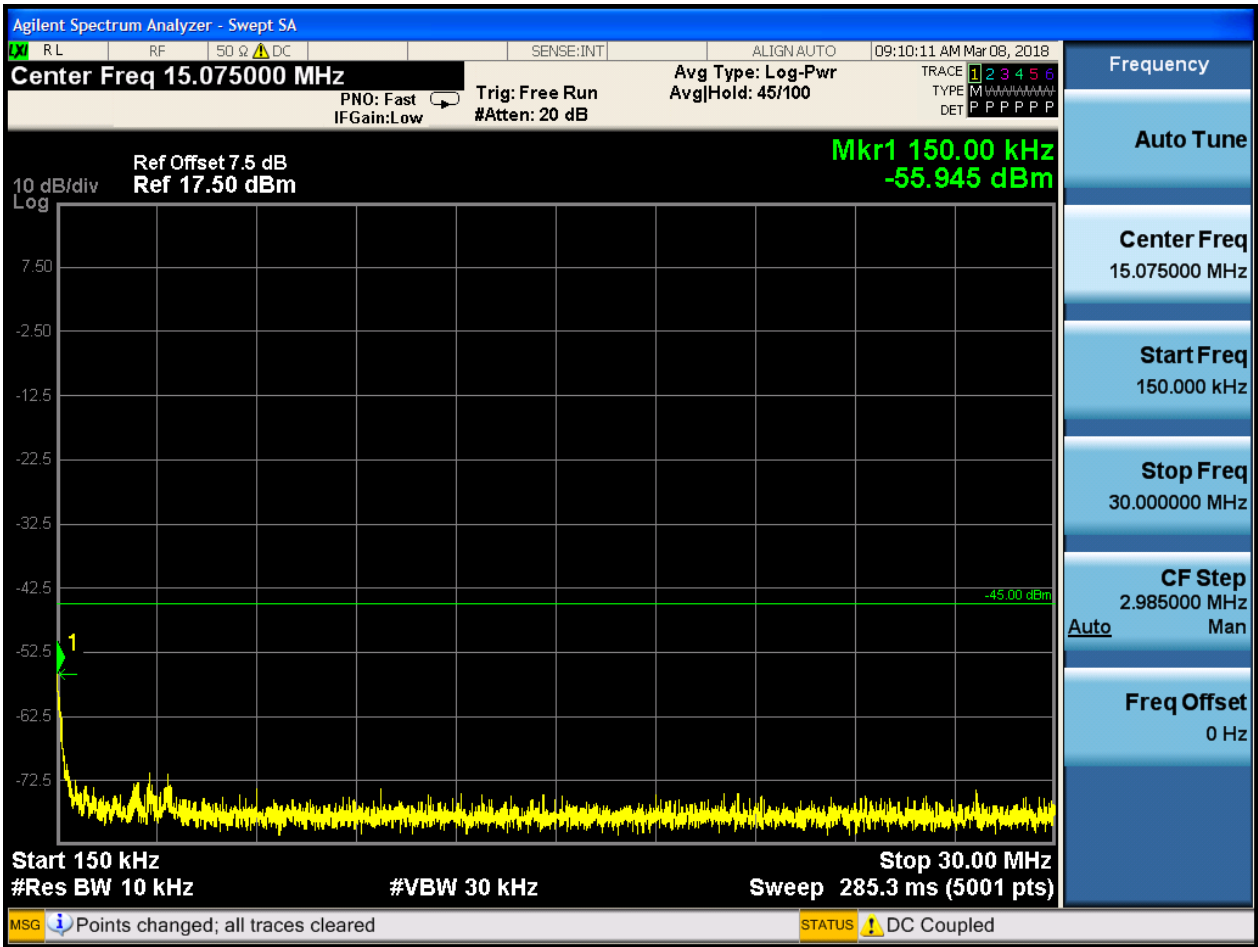


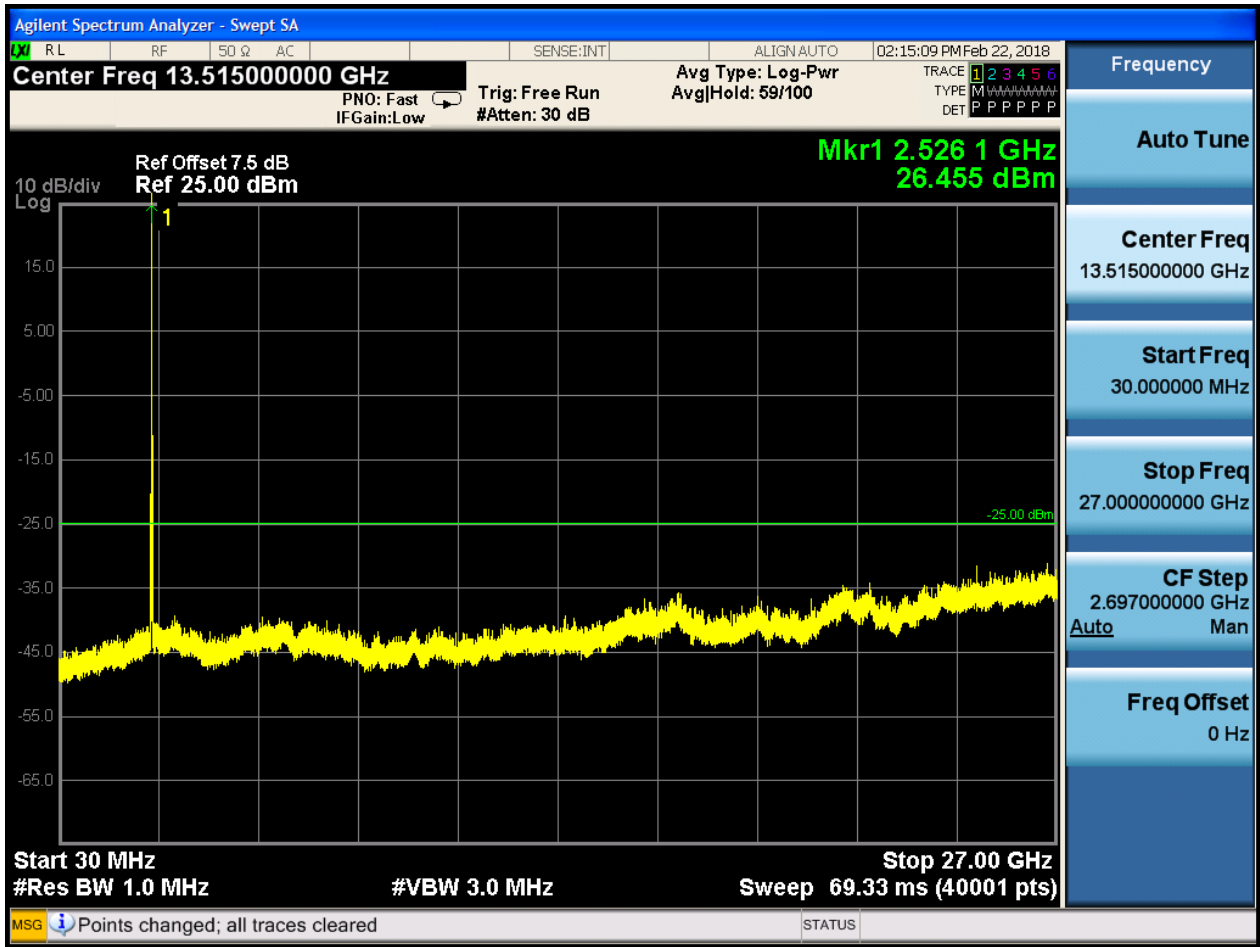


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



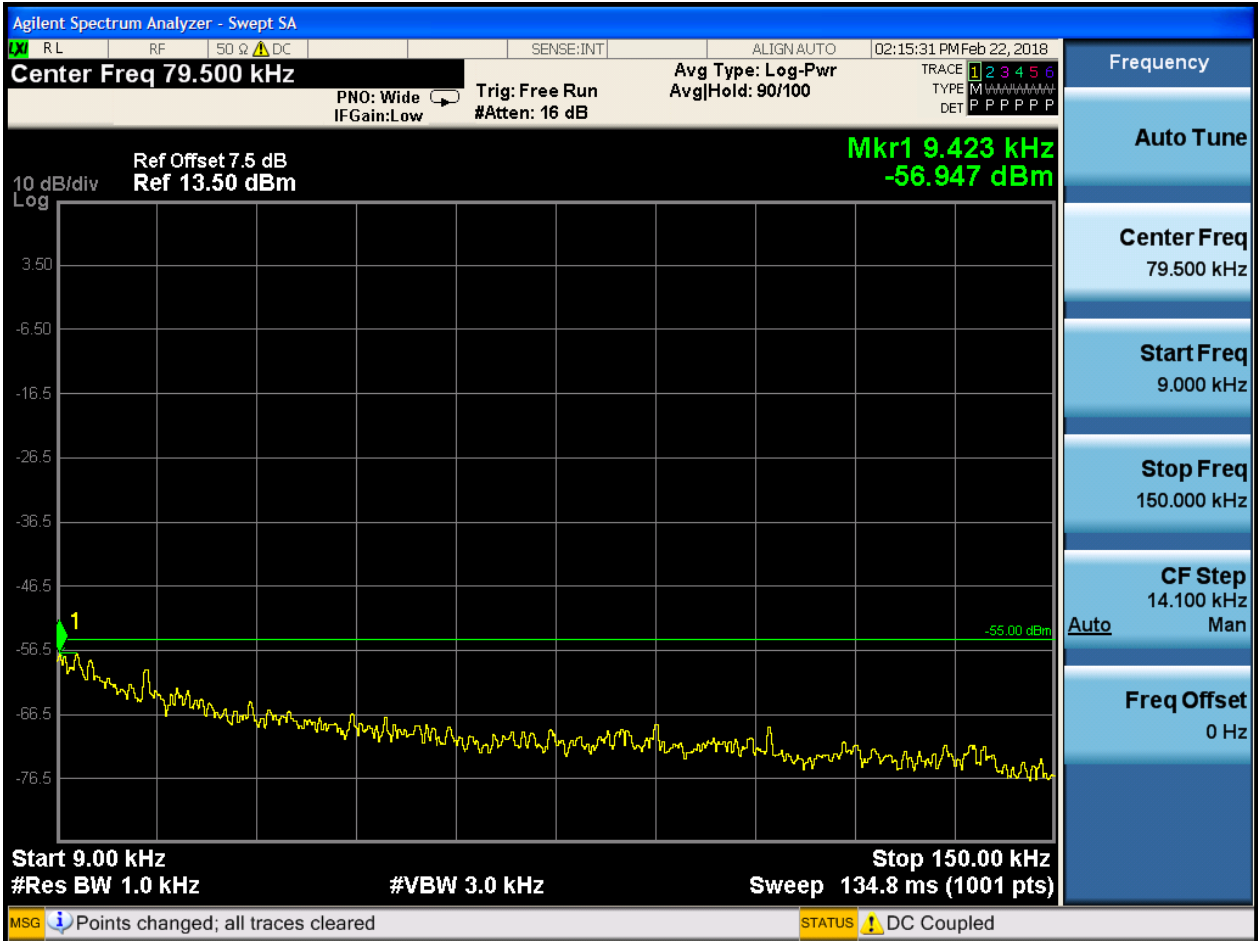




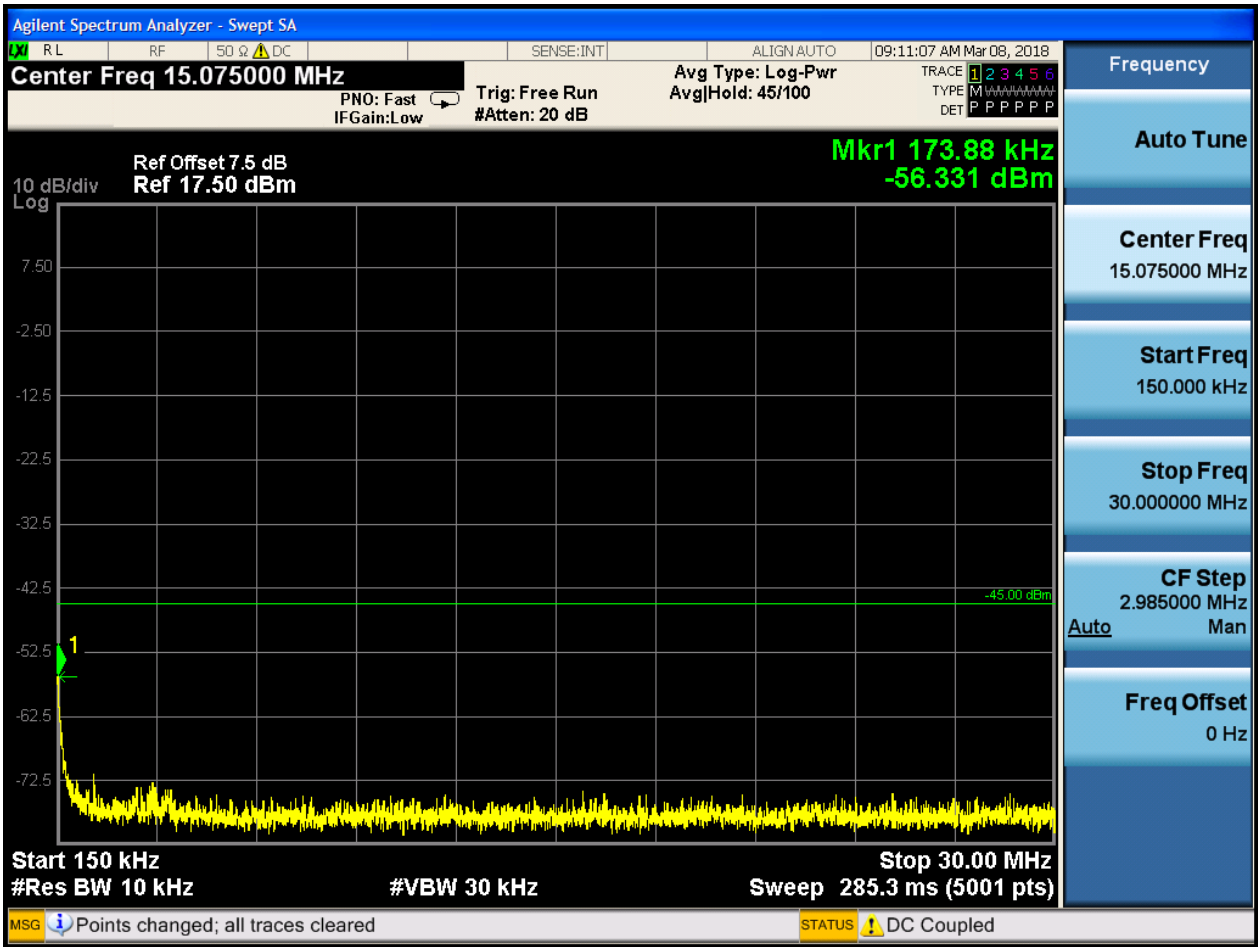


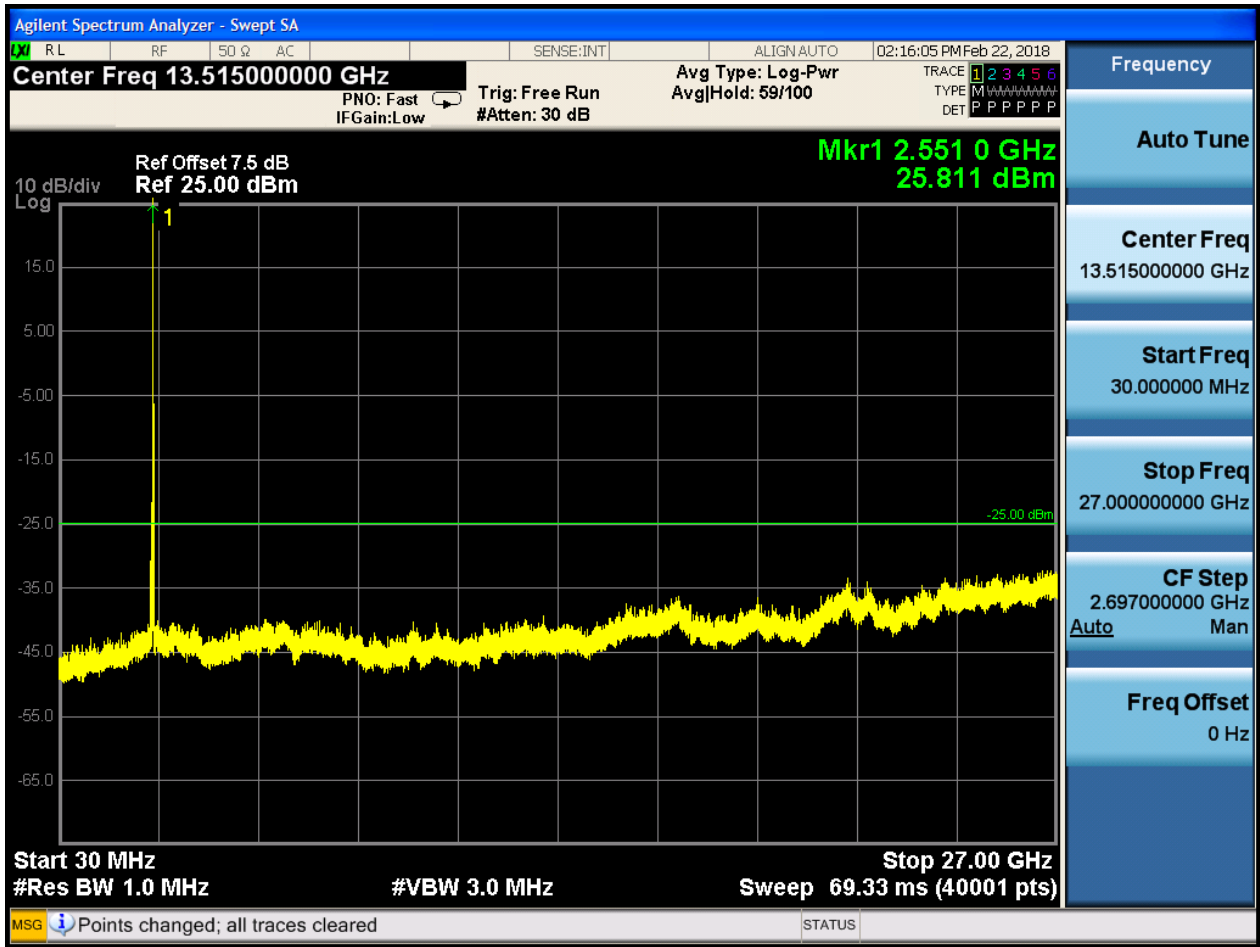
6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0











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

Note: 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

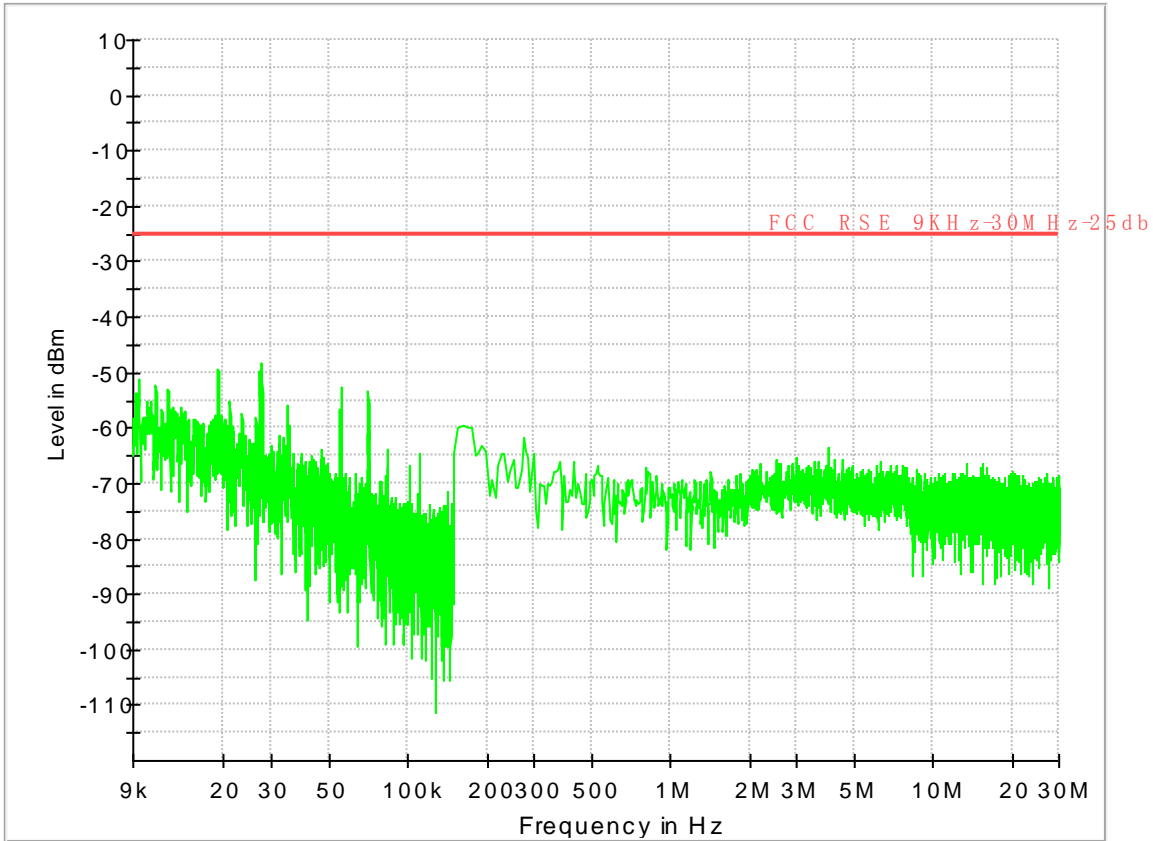
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

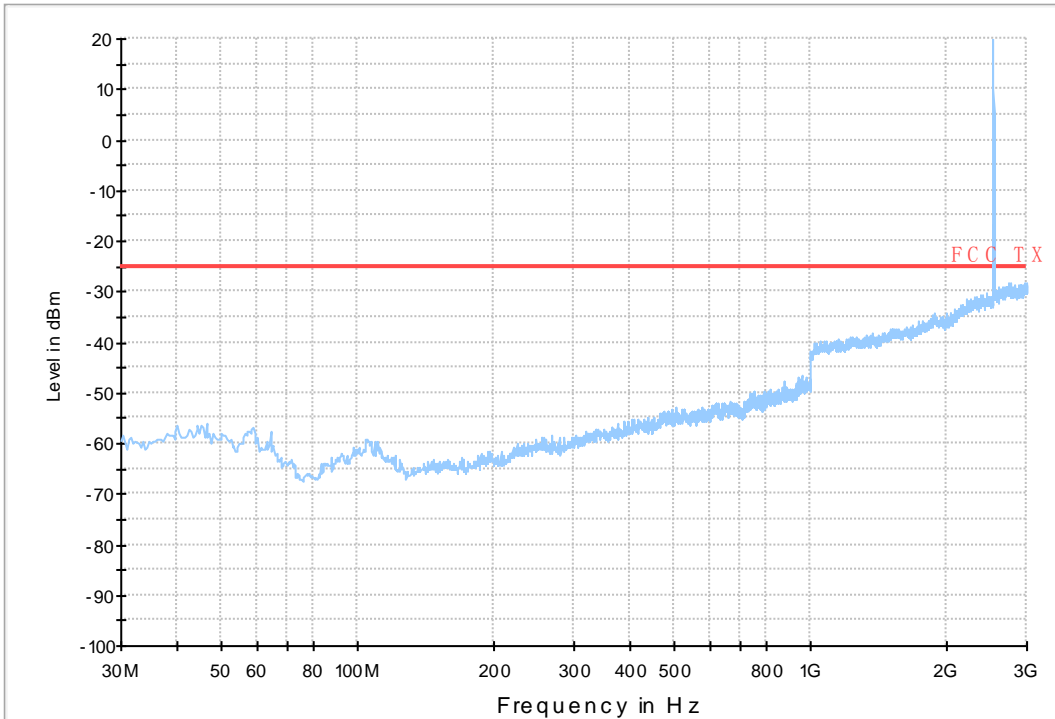
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND7\_ANT1

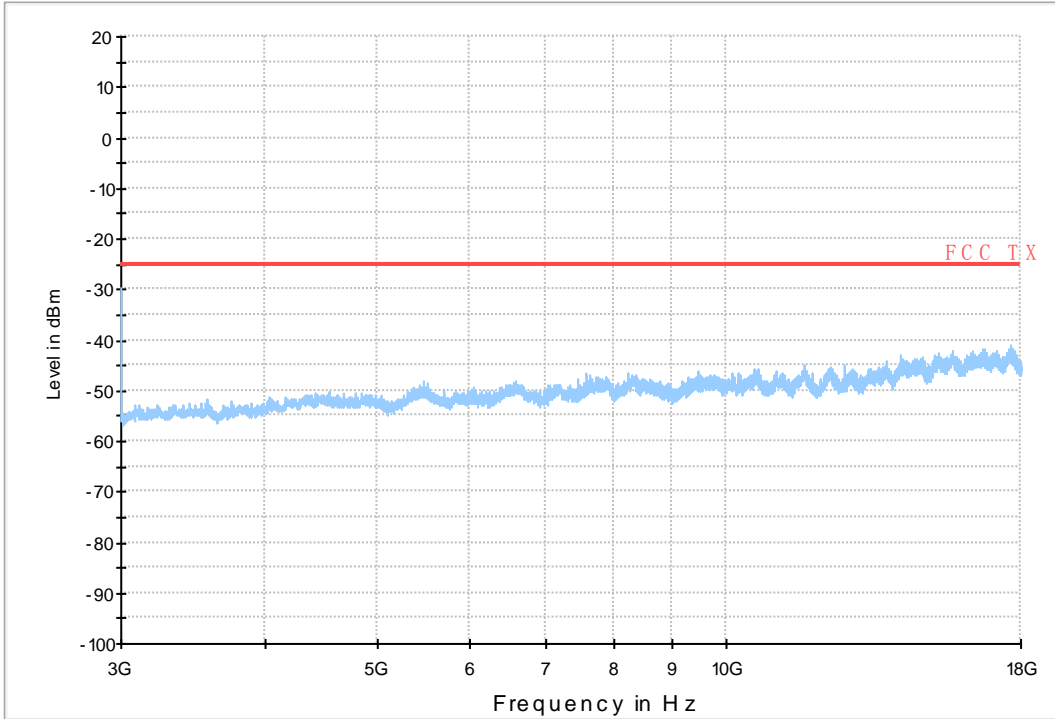
##### 7.1.1.1 Test Bandwidth = 5



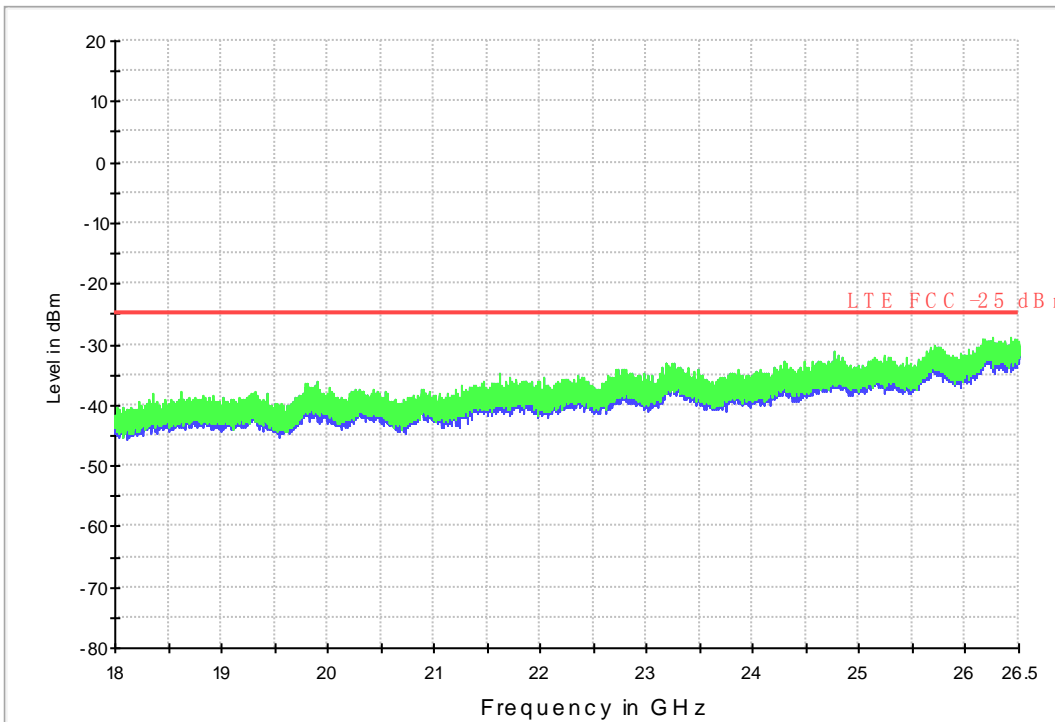
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



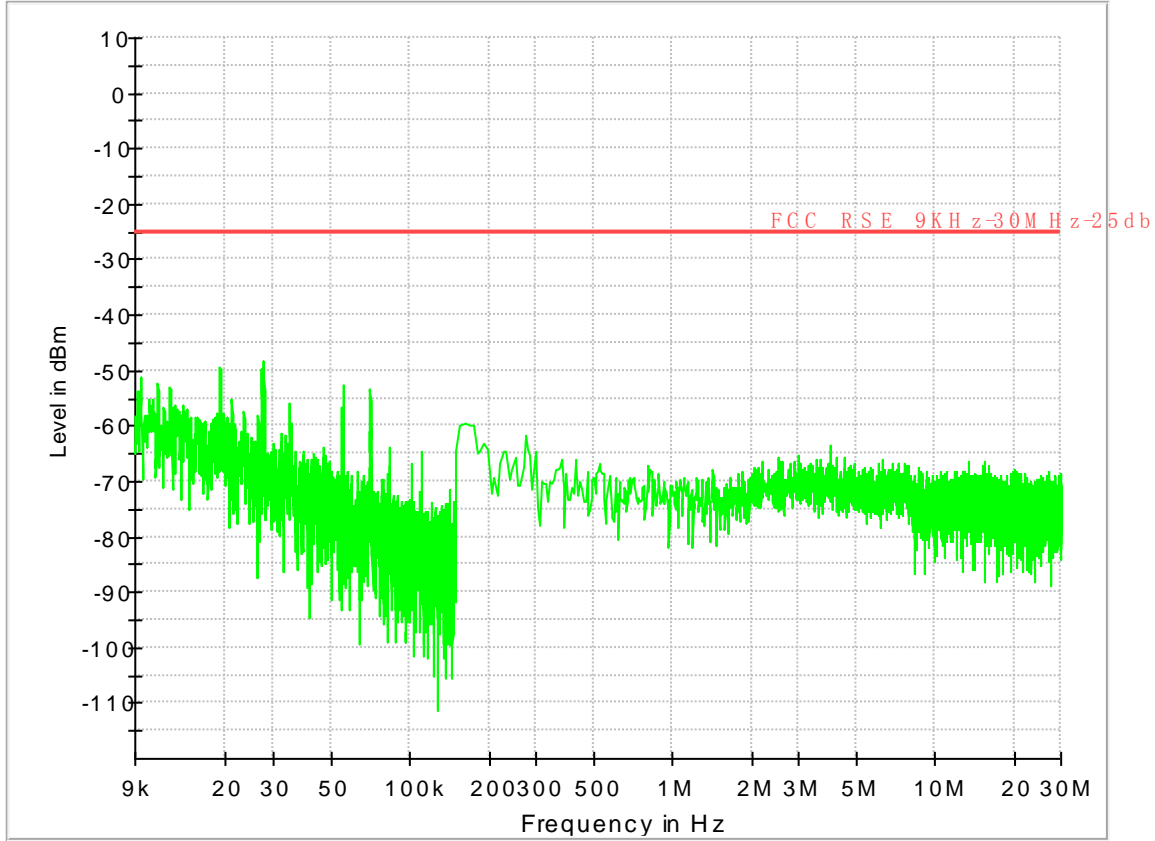
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H



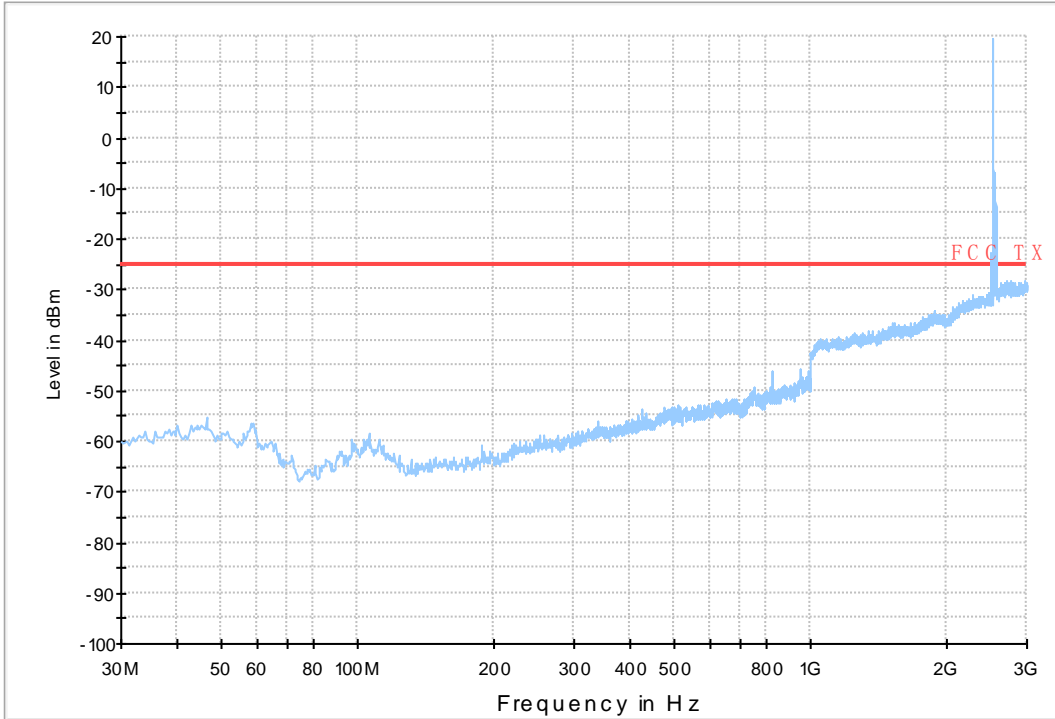
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



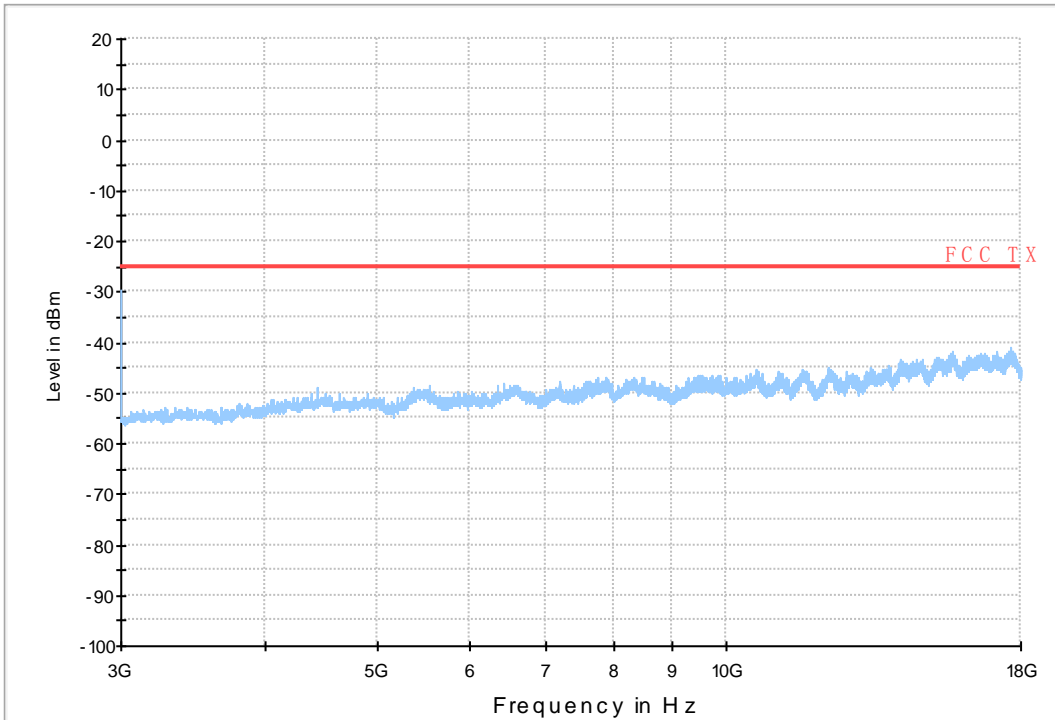
### 7.1.1.2 Test Bandwidth = 20



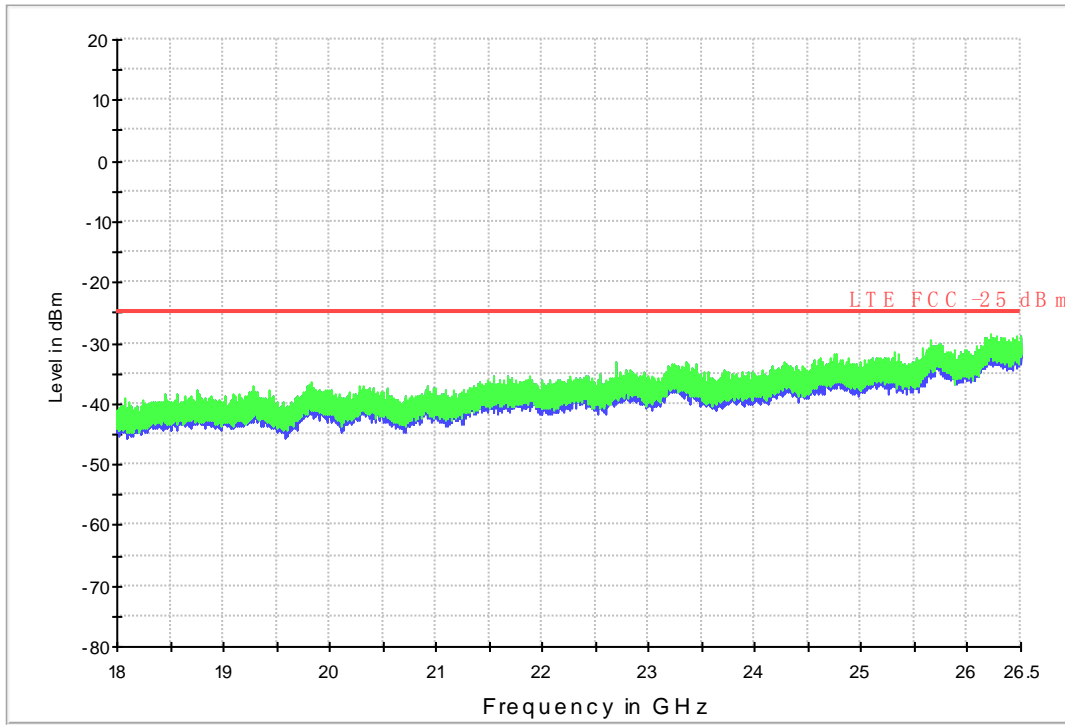
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H



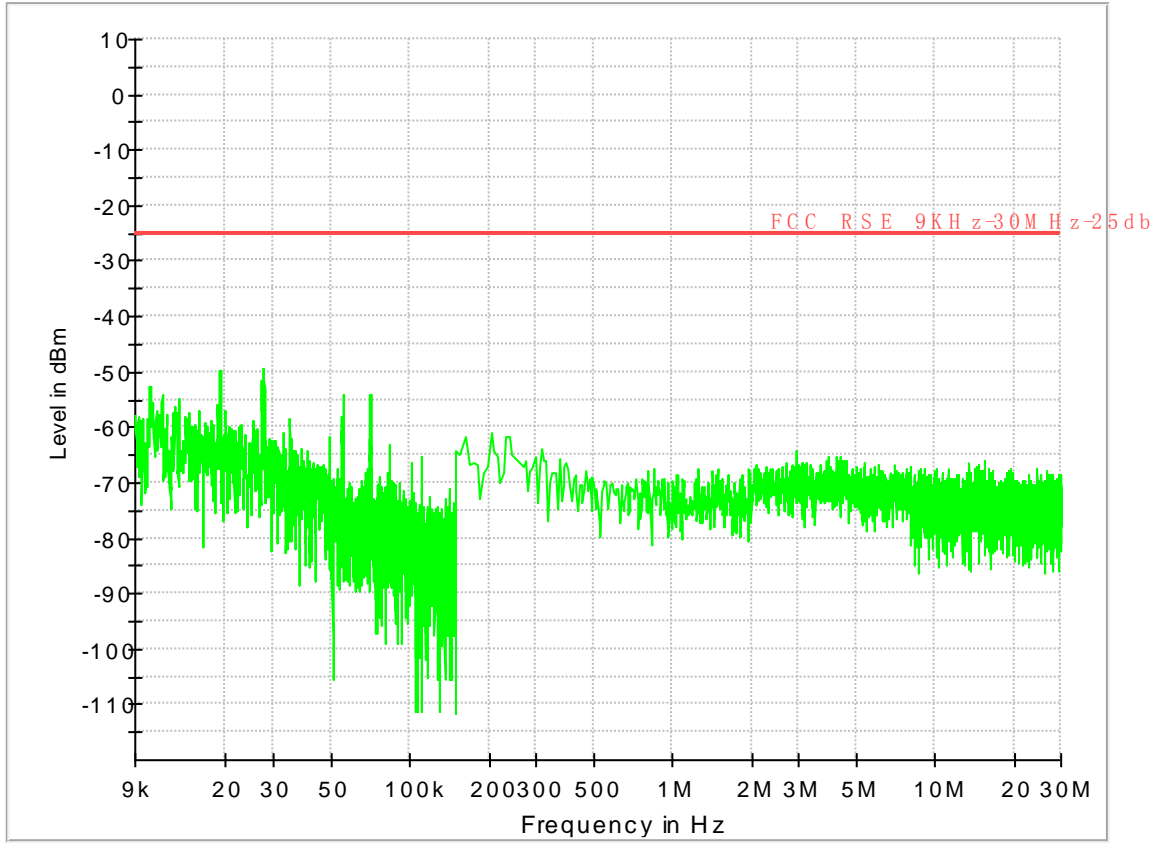
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



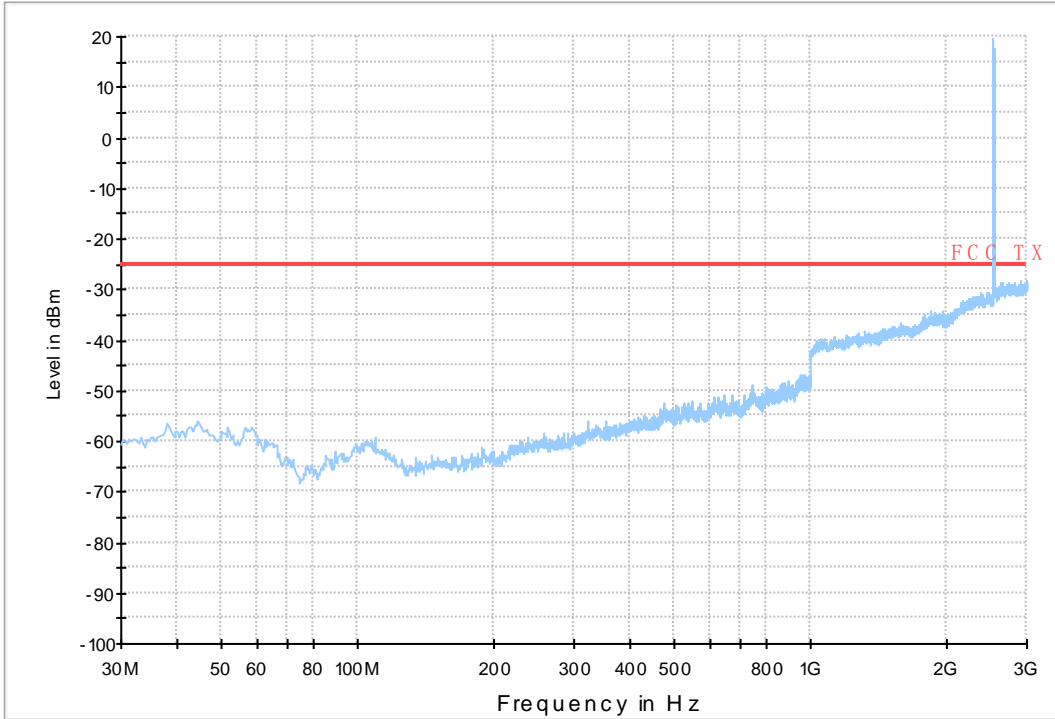


### 7.1.2 Test Band = BAND7\_ANT2

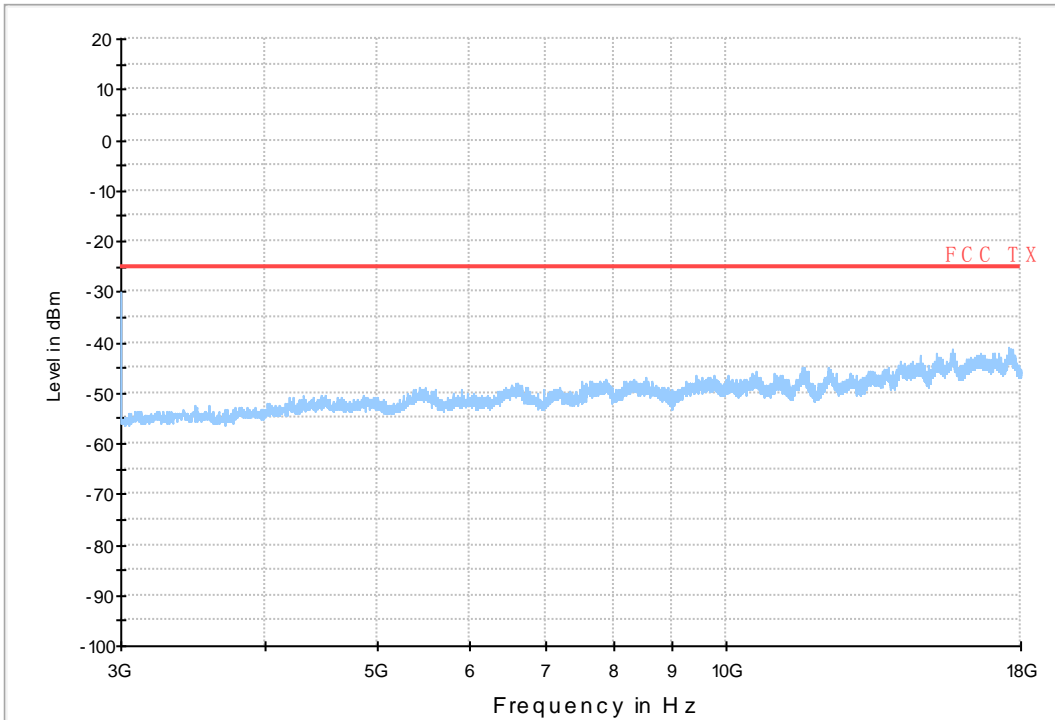
#### 7.1.2.1 Test Bandwidth = 5



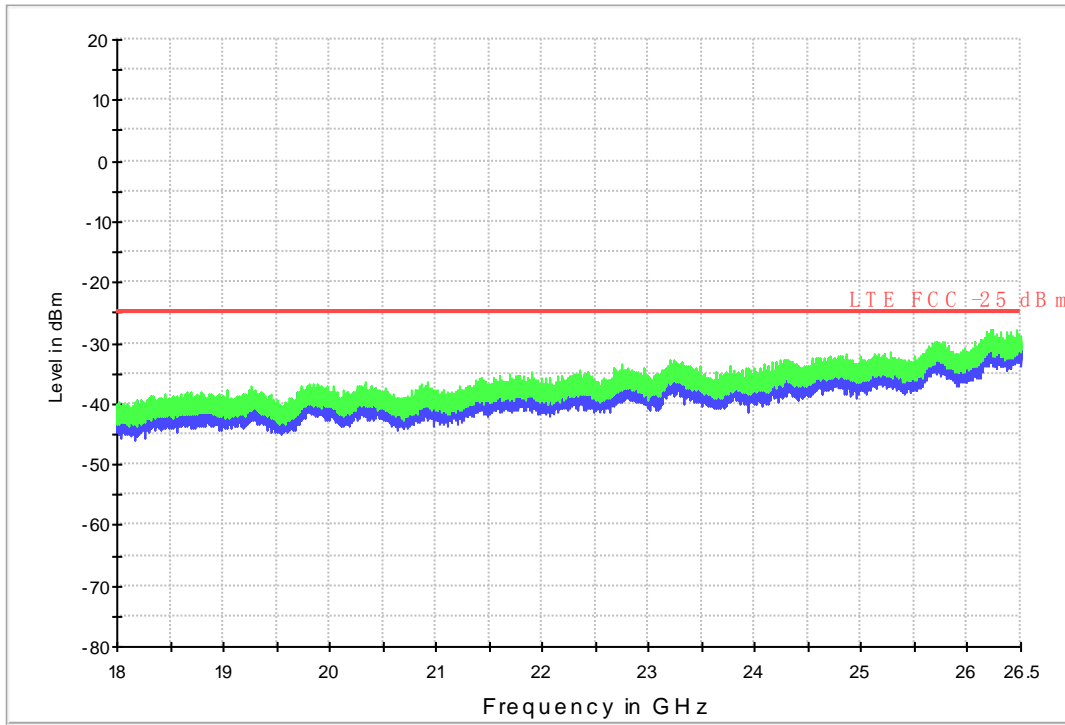
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



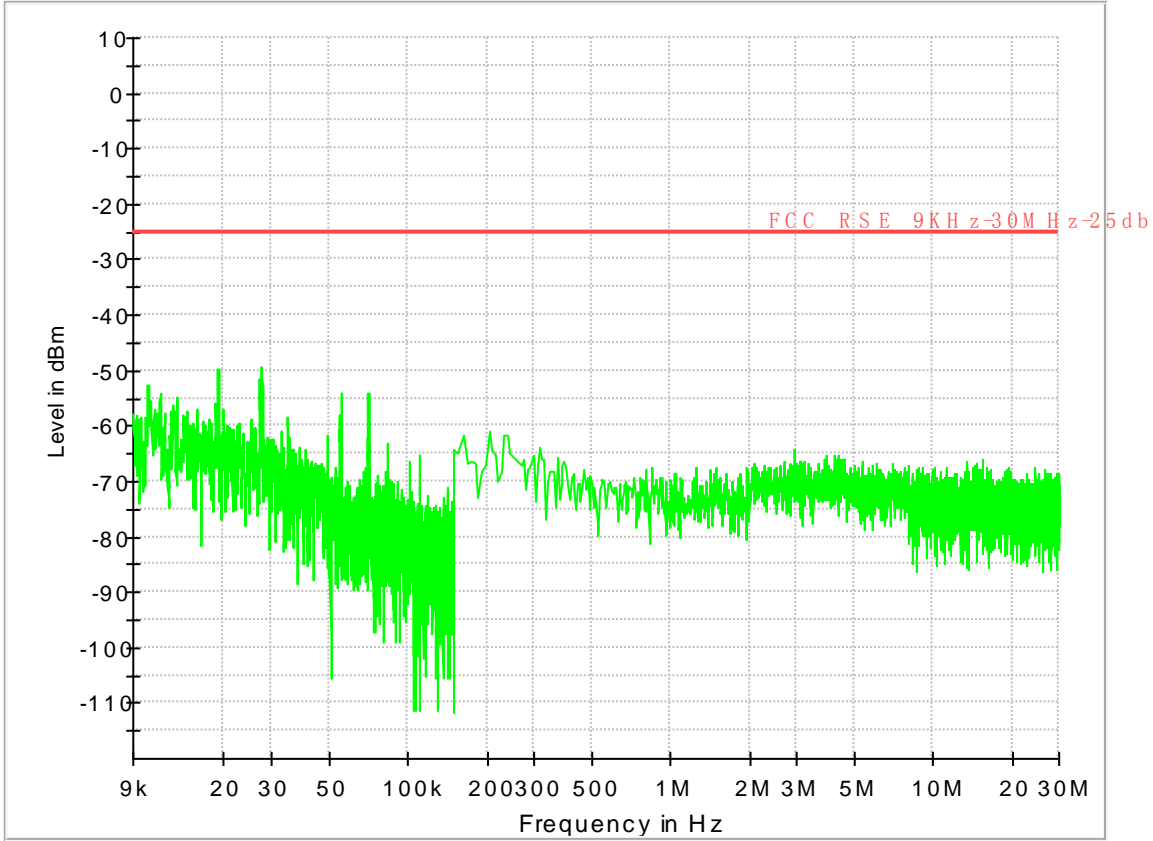
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H



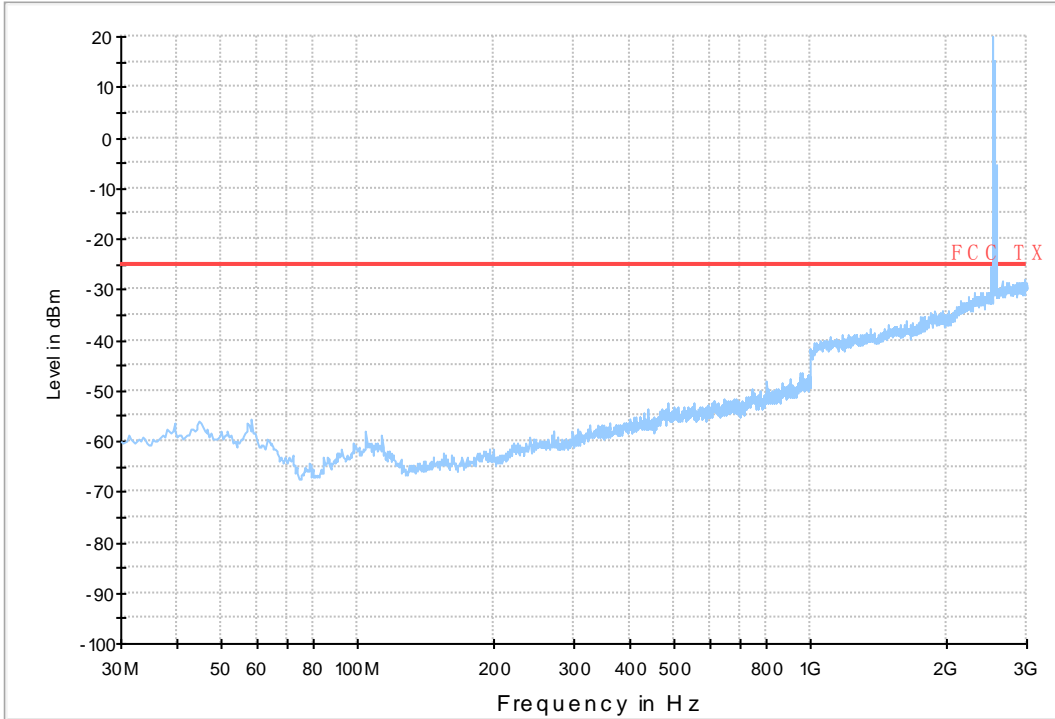
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



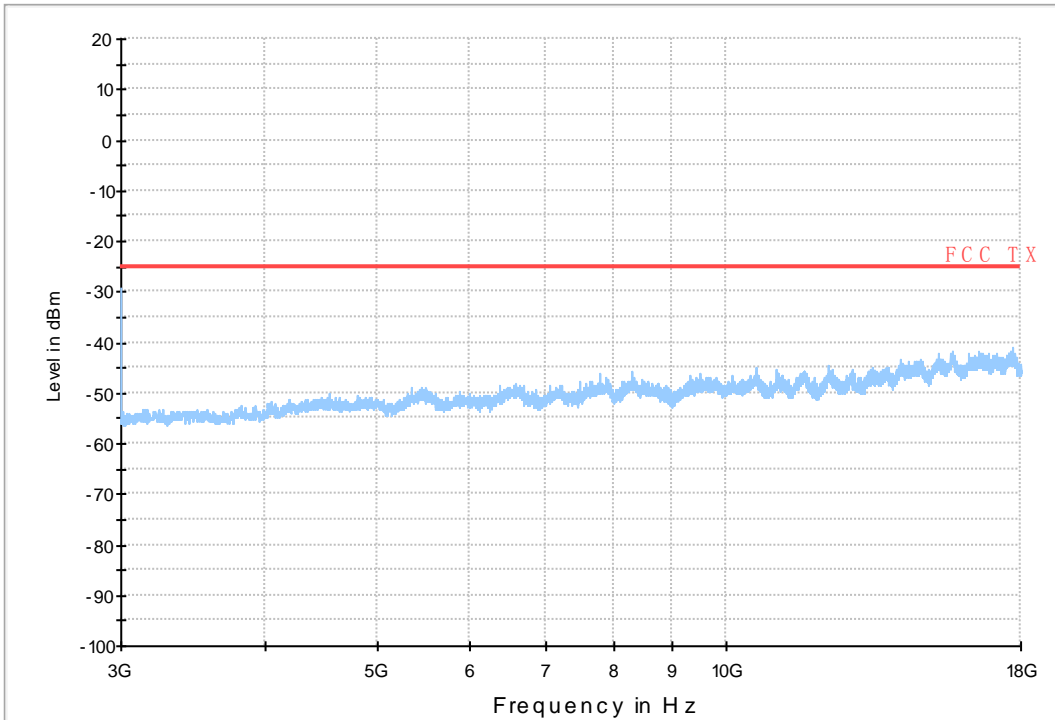
### 7.1.2.2 Test Bandwidth = 20



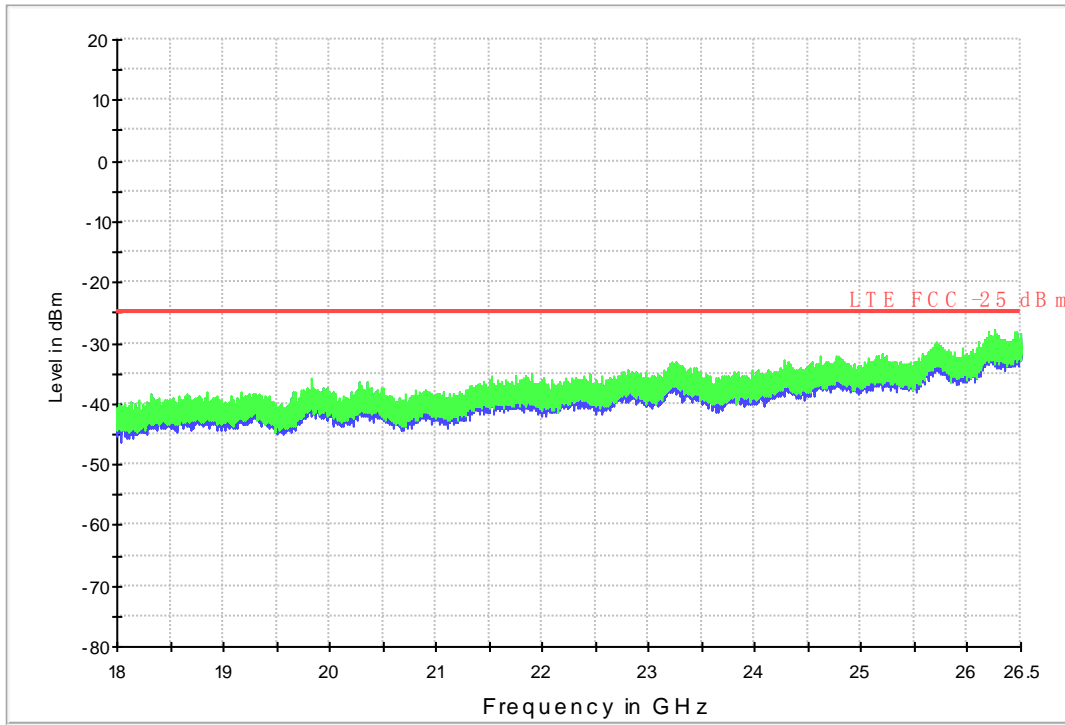
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H



18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK





## 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	-2.68	-0.00107	PASS
					VN	0.89	0.00036	PASS
					VH	-3.96	-0.00158	PASS
			MCH	TN	VL	-3.81	-0.0015	PASS
					VN	-1.53	-0.0006	PASS
					VH	-5.04	-0.00199	PASS
			HCH	TN	VL	-2.27	-0.00088	PASS
					VN	-5.52	-0.00215	PASS
					VH	-2.07	-0.00081	PASS
		10	LCH	TN	VL	-0.94	-0.00038	PASS
					VN	-3.42	-0.00137	PASS
					VH	-1.62	-0.00065	PASS
			MCH	TN	VL	-6.09	-0.0024	PASS
					VN	-2.02	-0.0008	PASS
					VH	-2.36	-0.00093	PASS
			HCH	TN	VL	-12.17	-0.00474	PASS
					VN	-12.99	-0.00506	PASS
					VH	-4.35	-0.0017	PASS
		15	LCH	TN	VL	-1.10	-0.00044	PASS
					VN	-5.68	-0.00227	PASS
					VH	-3.60	-0.00144	PASS
			MCH	TN	VL	-4.62	-0.00182	PASS
					VN	-4.13	-0.00163	PASS
					VH	-1.30	-0.00051	PASS
HCH	TN		VL	-4.08	-0.00159	PASS		
			VN	-1.02	-0.0004	PASS		
			VH	-5.79	-0.00226	PASS		
20	LCH	TN	VL	-0.62	-0.00025	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	-2.37	-0.00094	PASS		
					VH	-0.27	-0.00011	PASS		
					MCH	TN	VL	-2.02	-0.0008	PASS
							VN	-5.97	-0.00236	PASS
					VH		VH	-4.71	-0.00186	PASS
							VL	-5.52	-0.00216	PASS
			HCH	TN	VN	-1.87	-0.00073	PASS		
					VH	-3.99	-0.00156	PASS		
					LCH	TN	VL	-2.12	-0.00085	PASS
							VN	-2.53	-0.00101	PASS
							VH	-2.13	-0.00085	PASS
					MCH	TN	VL	-3.89	-0.00153	PASS
	VN	-1.70	-0.00067	PASS						
	VH	0.33	0.00013	PASS						
	HCH	TN	VL	-2.23	-0.00087	PASS				
			VN	-2.56	-0.001	PASS				
			VH	-2.57	-0.001	PASS				
	10	LCH	TN	VL	-2.22	-0.00089	PASS			
				VN	2.35	0.00094	PASS			
				VH	-0.59	-0.00024	PASS			
		MCH	TN	VL	-0.10	-0.00004	PASS			
				VN	0.34	0.00013	PASS			
				VH	1.32	0.00052	PASS			
		HCH	TN	VL	-10.59	-0.00413	PASS			
				VN	-0.01	0	PASS			
				VH	-1.17	-0.00046	PASS			
	15	LCH	TN	VL	-1.76	-0.0007	PASS			
				VN	-1.46	-0.00058	PASS			
				VH	-2.09	-0.00083	PASS			
		MCH	TN	VL	-3.20	-0.00126	PASS			
				VN	-2.42	-0.00095	PASS			
				VH	-3.59	-0.00142	PASS			
		HCH	TN	VL	-0.79	-0.00031	PASS			
				VN	-0.04	-0.00002	PASS			
				VH	-0.87	-0.00034	PASS			
	20	LCH	TN	VL	0.72	0.00029	PASS			
				VN	-0.33	-0.00013	PASS			
				VH	-2.30	-0.00092	PASS			
		MCH	TN	VL	-2.43	-0.00096	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-0.57	-0.00022	PASS
					VH	-2.02	-0.0008	PASS
			HCH	TN	VL	-3.12	-0.00122	PASS
					VN	-4.89	-0.00191	PASS
					VH	-0.77	-0.0003	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	-5.94	-0.00237	PASS
					-20	-9.46	-0.00378	PASS
					-10	-5.35	-0.00214	PASS
					0	-7.80	-0.00312	PASS
					10	-5.78	-0.00231	PASS
					20	-2.99	-0.00119	PASS
					30	-5.76	-0.0023	PASS
					40	-2.93	-0.00117	PASS
			50	-5.11	-0.00204	PASS		
			MCH	VN	-30	-4.59	-0.00181	PASS
					-20	-4.26	-0.00168	PASS
					-10	-5.54	-0.00219	PASS
					0	-3.69	-0.00146	PASS
					10	-4.73	-0.00187	PASS
					20	-1.22	-0.00048	PASS
					30	-2.95	-0.00116	PASS
					40	-1.97	-0.00078	PASS
			50	-3.26	-0.00129	PASS		
			HCH	VN	-30	-6.45	-0.00251	PASS
					-20	-2.92	-0.00114	PASS
					-10	-2.65	-0.00103	PASS
					0	-3.59	-0.0014	PASS
					10	-2.19	-0.00085	PASS
					20	-4.36	-0.0017	PASS
		30			-1.14	-0.00044	PASS	
		40			-4.23	-0.00165	PASS	
		50	-4.92	-0.00192	PASS			
10	LCH	VN	-30	-2.06	-0.00082	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	0.94	0.00038	PASS	
					-10	-0.63	-0.00025	PASS	
					0	-2.47	-0.00099	PASS	
					10	-1.49	-0.00059	PASS	
					20	-1.02	-0.00041	PASS	
					30	-2.70	-0.00108	PASS	
					40	0.10	0.00004	PASS	
					50	-2.12	-0.00085	PASS	
			MCH	VN	-30	0.07	0.00003	PASS	
					-20	0.79	0.00031	PASS	
					-10	1.23	0.00049	PASS	
					0	-4.15	-0.00164	PASS	
					10	-3.92	-0.00155	PASS	
					20	1.02	0.0004	PASS	
					30	-2.66	-0.00105	PASS	
					40	-4.51	-0.00178	PASS	
			HCH	VN	-30	-0.41	-0.00016	PASS	
					-20	-1.72	-0.00067	PASS	
					-10	-6.28	-0.00245	PASS	
					0	-2.17	-0.00085	PASS	
					10	-0.16	-0.00006	PASS	
					20	-5.65	-0.0022	PASS	
					30	-1.73	-0.00067	PASS	
					40	-4.21	-0.00164	PASS	
			15	LCH	VN	-30	-0.83	-0.00033	PASS
						-20	-1.36	-0.00054	PASS
						-10	-4.41	-0.00176	PASS
						0	-1.34	-0.00053	PASS
		10				0.59	0.00024	PASS	
		20				2.37	0.00095	PASS	
		30				0.50	0.0002	PASS	
		40				-0.09	-0.00004	PASS	
		50		0.84	0.00033	PASS			
		MCH		VN	-30	-1.52	-0.0006	PASS	
					-20	-1.87	-0.00074	PASS	
					-10	-4.28	-0.00169	PASS	
			0		-3.26	-0.00129	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-2.62	-0.00103	PASS		
					20	-3.42	-0.00135	PASS		
					30	0.94	0.00037	PASS		
					40	-2.42	-0.00095	PASS		
					50	-1.75	-0.00069	PASS		
			HCH	VN	-30	-1.40	-0.00055	PASS		
					-20	-0.27	-0.00011	PASS		
					-10	-3.16	-0.00123	PASS		
					0	-1.16	-0.00045	PASS		
					10	1.46	0.00057	PASS		
					20	-2.83	-0.0011	PASS		
					30	-1.29	-0.0005	PASS		
					40	-1.70	-0.00066	PASS		
					50	-0.46	-0.00018	PASS		
					LCH	VN	-30	-0.11	-0.00004	PASS
							-20	-1.42	-0.00057	PASS
							-10	-0.50	-0.0002	PASS
							0	-1.04	-0.00041	PASS
							10	0.90	0.00036	PASS
							20	0.33	0.00013	PASS
		30	-1.34	-0.00053			PASS			
		40	-0.59	-0.00024			PASS			
		50	0.39	0.00016			PASS			
		MCH	VN	-30			-0.82	-0.00032	PASS	
				-20	-1.39	-0.00055	PASS			
				-10	-3.15	-0.00124	PASS			
				0	-2.05	-0.00081	PASS			
				10	-1.63	-0.00064	PASS			
				20	-1.20	-0.00047	PASS			
				30	-3.45	-0.00136	PASS			
				40	-2.25	-0.00089	PASS			
				50	-3.12	-0.00123	PASS			
		HCH	VN	-30	-2.32	-0.00091	PASS			
				-20	-3.10	-0.00121	PASS			
				-10	0.00	0	PASS			
				0	0.34	0.00013	PASS			
				10	-1.63	-0.00064	PASS			
				20	-3.08	-0.0012	PASS			
				30	-0.04	-0.00002	PASS			
		20					-30	-0.11	-0.00004	PASS
-20	-1.42						-0.00057	PASS		
-10	-0.50						-0.0002	PASS		
0	-1.04						-0.00041	PASS		
10	0.90						0.00036	PASS		
20	0.33						0.00013	PASS		
30	-1.34						-0.00053	PASS		
40	-0.59						-0.00024	PASS		
50	0.39						0.00016	PASS		
-30	-0.82						-0.00032	PASS		
-20	-1.39	-0.00055	PASS							
-10	-3.15	-0.00124	PASS							
0	-2.05	-0.00081	PASS							
10	-1.63	-0.00064	PASS							
20	-1.20	-0.00047	PASS							
30	-3.45	-0.00136	PASS							
40	-2.25	-0.00089	PASS							
50	-3.12	-0.00123	PASS							
-30	-2.32	-0.00091	PASS							
-20	-3.10	-0.00121	PASS							
-10	0.00	0	PASS							
0	0.34	0.00013	PASS							
10	-1.63	-0.00064	PASS							
20	-3.08	-0.0012	PASS							
30	-0.04	-0.00002	PASS							



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	0.34	0.00013	PASS
					50	-0.06	-0.00002	PASS
					-30	0.24	0.0001	PASS
					-20	-1.87	-0.00075	PASS
					-10	-1.13	-0.00045	PASS
					0	-1.66	-0.00066	PASS
					10	0.47	0.00019	PASS
					20	-1.24	-0.0005	PASS
					30	1.04	0.00042	PASS
					40	-1.34	-0.00054	PASS
			50	-2.86	-0.00114	PASS		
			MCH	VN	-30	-0.60	-0.00024	PASS
					-20	-2.80	-0.0011	PASS
					-10	-4.12	-0.00163	PASS
					0	0.92	0.00036	PASS
					10	-5.28	-0.00208	PASS
					20	1.12	0.00044	PASS
					30	-4.01	-0.00158	PASS
					40	-0.62	-0.00024	PASS
					50	0.47	0.00019	PASS
		HCH			VN	-30	-4.48	-0.00174
			-20	-3.23		-0.00126	PASS	
			-10	-3.26		-0.00127	PASS	
			0	2.80		0.00109	PASS	
			10	-0.43		-0.00017	PASS	
			20	4.15		0.00162	PASS	
			30	0.70		0.00027	PASS	
			40	-1.62		-0.00063	PASS	
			50	-3.55		-0.00138	PASS	
			10	LCH		VN	-30	-0.86
		-20			-1.47		-0.00059	PASS
		-10			4.38		0.00175	PASS
		0			2.56		0.00102	PASS
		10			-0.44		-0.00018	PASS
		20			-1.19		-0.00048	PASS
		30			-2.02		-0.00081	PASS
		40			-2.60		-0.00104	PASS
		50			-1.33		-0.00053	PASS
		MCH			VN		-30	-1.83

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	0.01	0	PASS		
					-10	-2.55	-0.00101	PASS		
					0	-2.06	-0.00081	PASS		
					10	-3.13	-0.00123	PASS		
					20	-1.52	-0.0006	PASS		
					30	-0.34	-0.00013	PASS		
					40	-1.04	-0.00041	PASS		
					50	-0.17	-0.00007	PASS		
			HCH	VN	-30	-14.59	-0.00569	PASS		
					-20	-2.98	-0.00116	PASS		
					-10	1.07	0.00042	PASS		
					0	-2.36	-0.00092	PASS		
					10	-2.33	-0.00091	PASS		
					20	3.88	0.00151	PASS		
					30	-20.44	-0.00797	PASS		
					40	-0.36	-0.00014	PASS		
			LCH	VN	-30	-2.56	-0.00102	PASS		
					-20	-1.79	-0.00071	PASS		
					-10	-3.56	-0.00142	PASS		
					0	1.36	0.00054	PASS		
					10	-2.25	-0.0009	PASS		
					20	1.34	0.00053	PASS		
					30	-1.54	-0.00061	PASS		
					40	1.44	0.00057	PASS		
			MCH	VN	-30	-2.10	-0.00083	PASS		
					-20	-1.63	-0.00064	PASS		
					-10	-1.30	-0.00051	PASS		
					0	-2.70	-0.00107	PASS		
		10			-1.73	-0.00068	PASS			
		20			-1.32	-0.00052	PASS			
		30			-0.06	-0.00002	PASS			
		40			-0.37	-0.00015	PASS			
		HCH	VN	-30	0.53	0.00021	PASS			
				-20	-1.13	-0.00044	PASS			
				-10	-0.57	-0.00022	PASS			
				0	-2.35	-0.00092	PASS			
		15					-30	-2.10	-0.00083	PASS
							-20	-1.63	-0.00064	PASS
							-10	-1.30	-0.00051	PASS
							0	-2.70	-0.00107	PASS
10	-1.73						-0.00068	PASS		
20	-1.32						-0.00052	PASS		
30	-0.06						-0.00002	PASS		
40	-0.37						-0.00015	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	-1.65	-0.00064	PASS			
					20	-0.36	-0.00014	PASS			
					30	-1.00	-0.00039	PASS			
					40	-0.84	-0.00033	PASS			
					50	0.36	0.00014	PASS			
					20	LCH	VN	-30	-0.39	-0.00016	PASS
								-20	0.44	0.00018	PASS
								-10	0.54	0.00022	PASS
								0	0.03	0.00001	PASS
								10	-0.53	-0.00021	PASS
		20	-1.47	-0.00059				PASS			
		30	-2.59	-0.00103				PASS			
		40	-0.84	-0.00033				PASS			
		50	2.03	0.00081				PASS			
		20	MCH	VN				-30	-3.26	-0.00129	PASS
					-20	-3.82	-0.00151	PASS			
					-10	-2.20	-0.00087	PASS			
					0	0.31	0.00012	PASS			
					10	-2.27	-0.0009	PASS			
					20	-0.83	-0.00033	PASS			
					30	0.07	0.00003	PASS			
					40	-1.16	-0.00046	PASS			
					50	-0.41	-0.00016	PASS			
					20	HCH	VN	-30	-1.75	-0.00068	PASS
		-20	-0.80	-0.00031				PASS			
		-10	-2.57	-0.001				PASS			
		0	1.22	0.00048				PASS			
		10	0.20	0.00008				PASS			
		20	-1.46	-0.00057				PASS			
		30	-1.63	-0.00064				PASS			
		40	0.36	0.00014				PASS			
		50	1.66	0.00065	PASS						

END