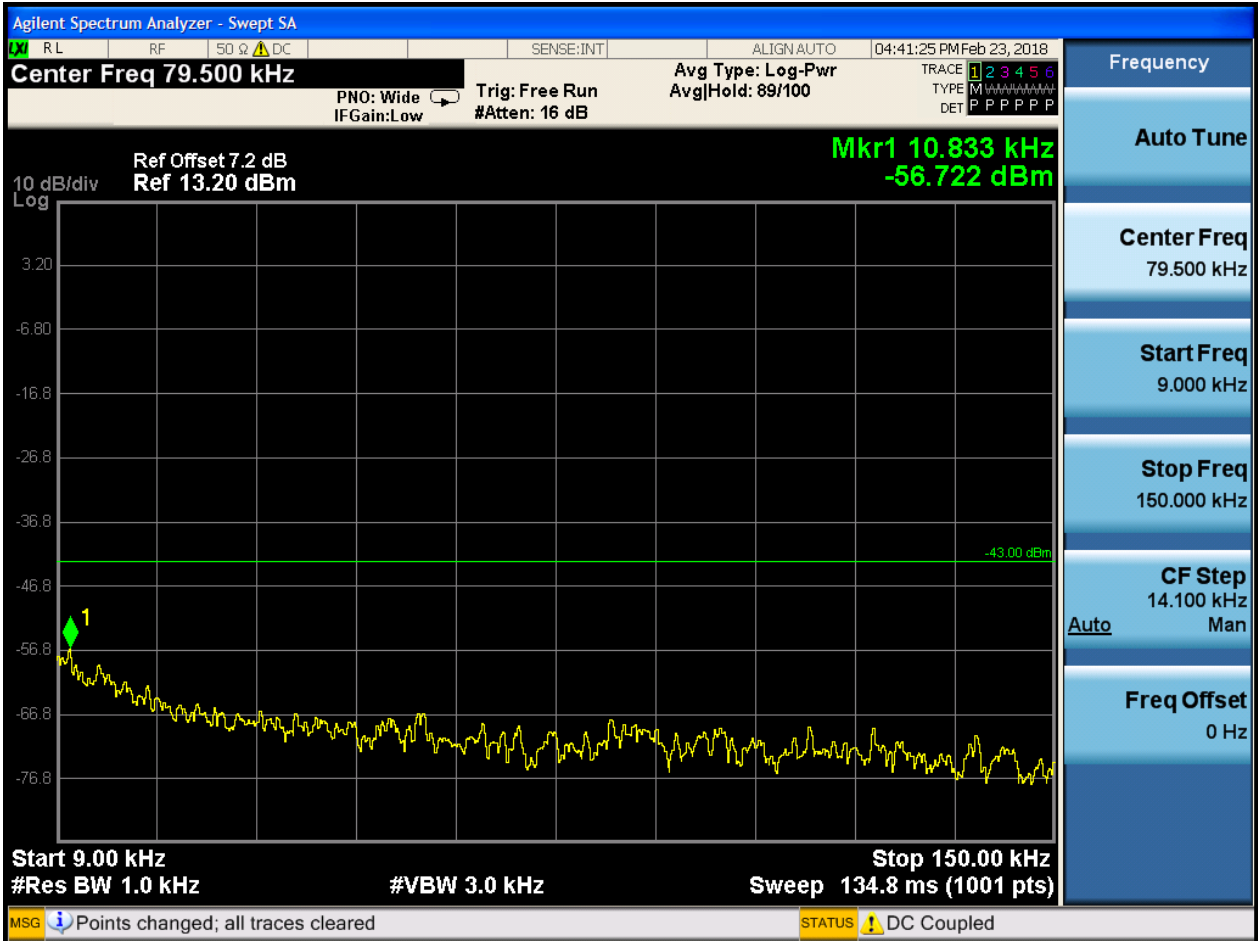
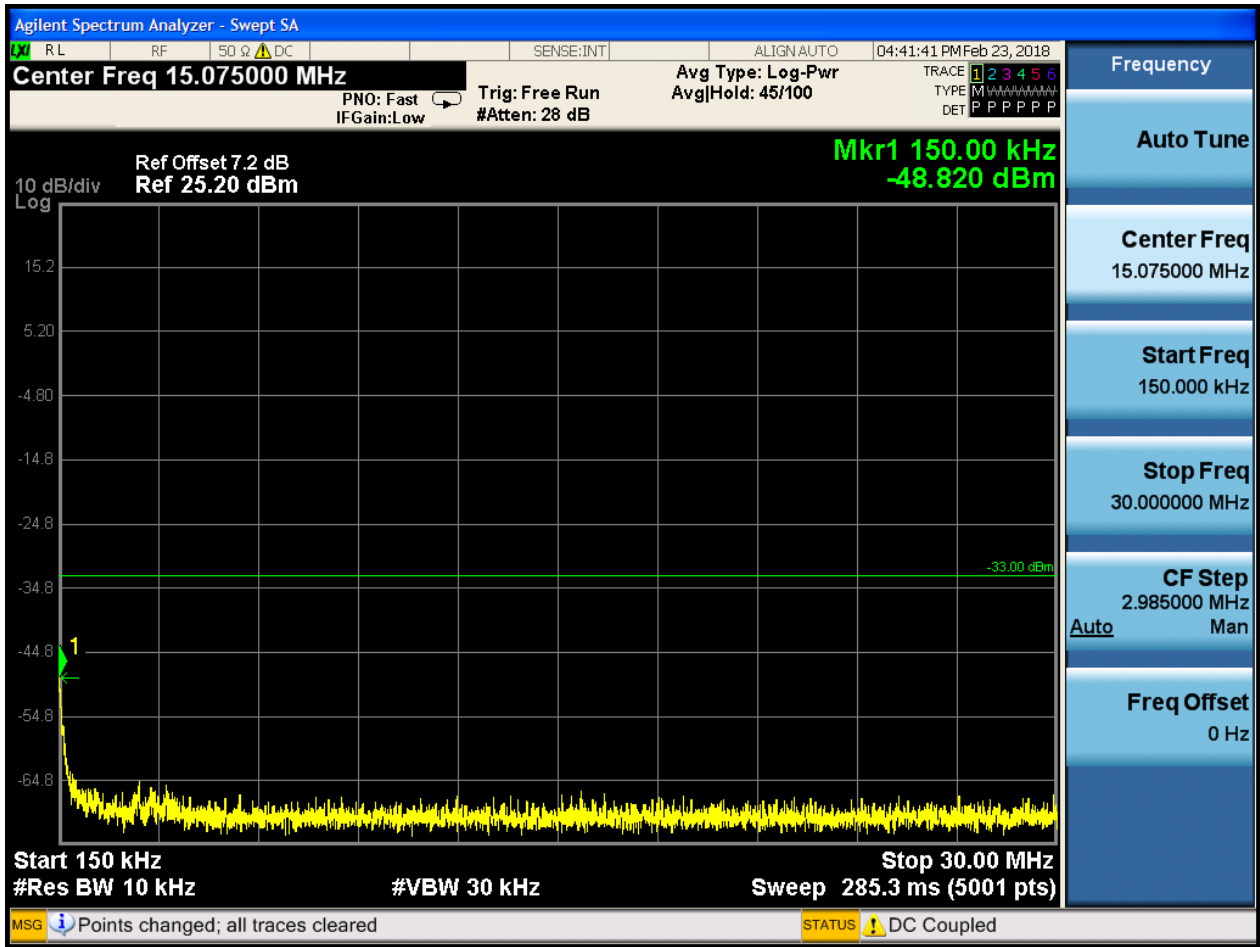


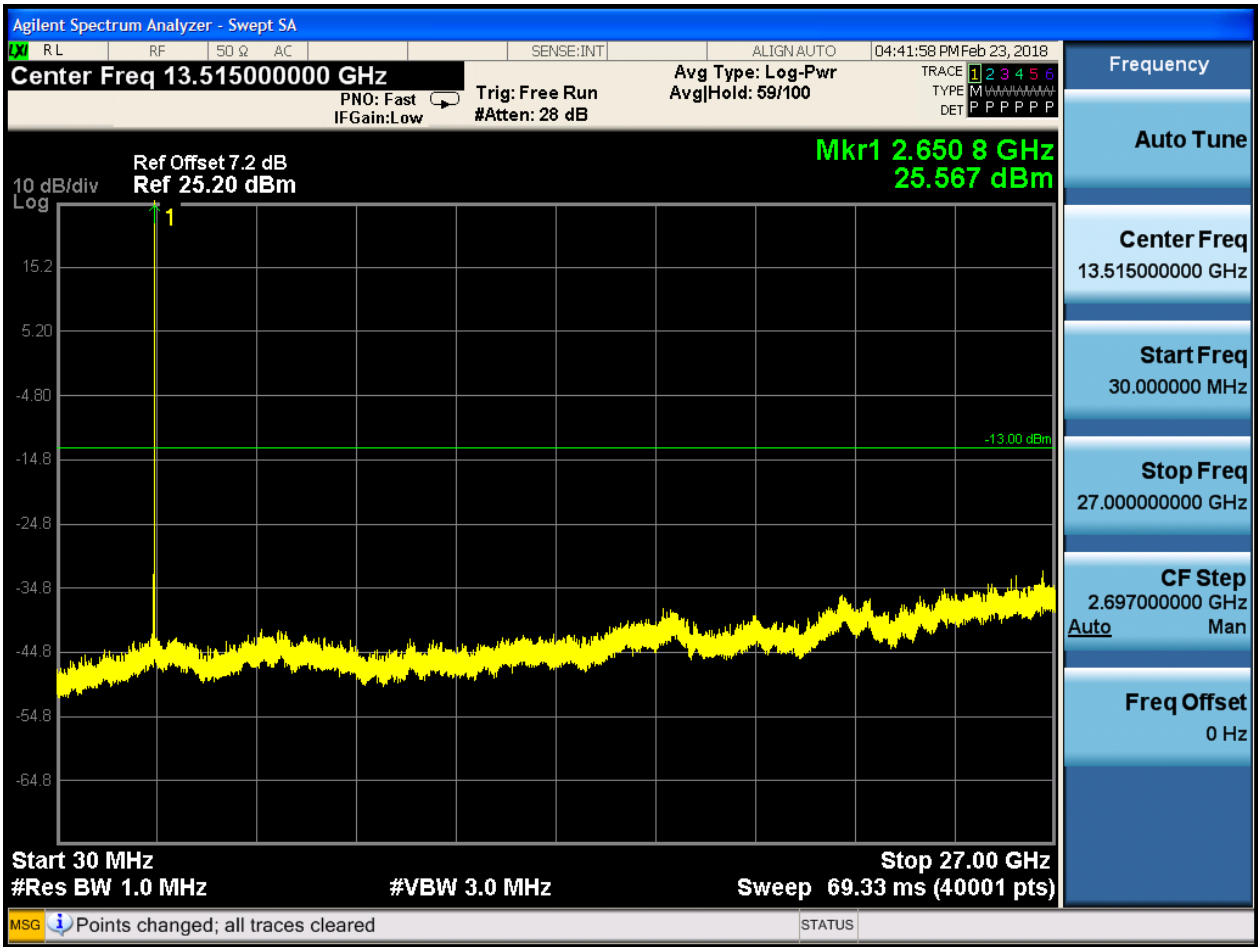


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





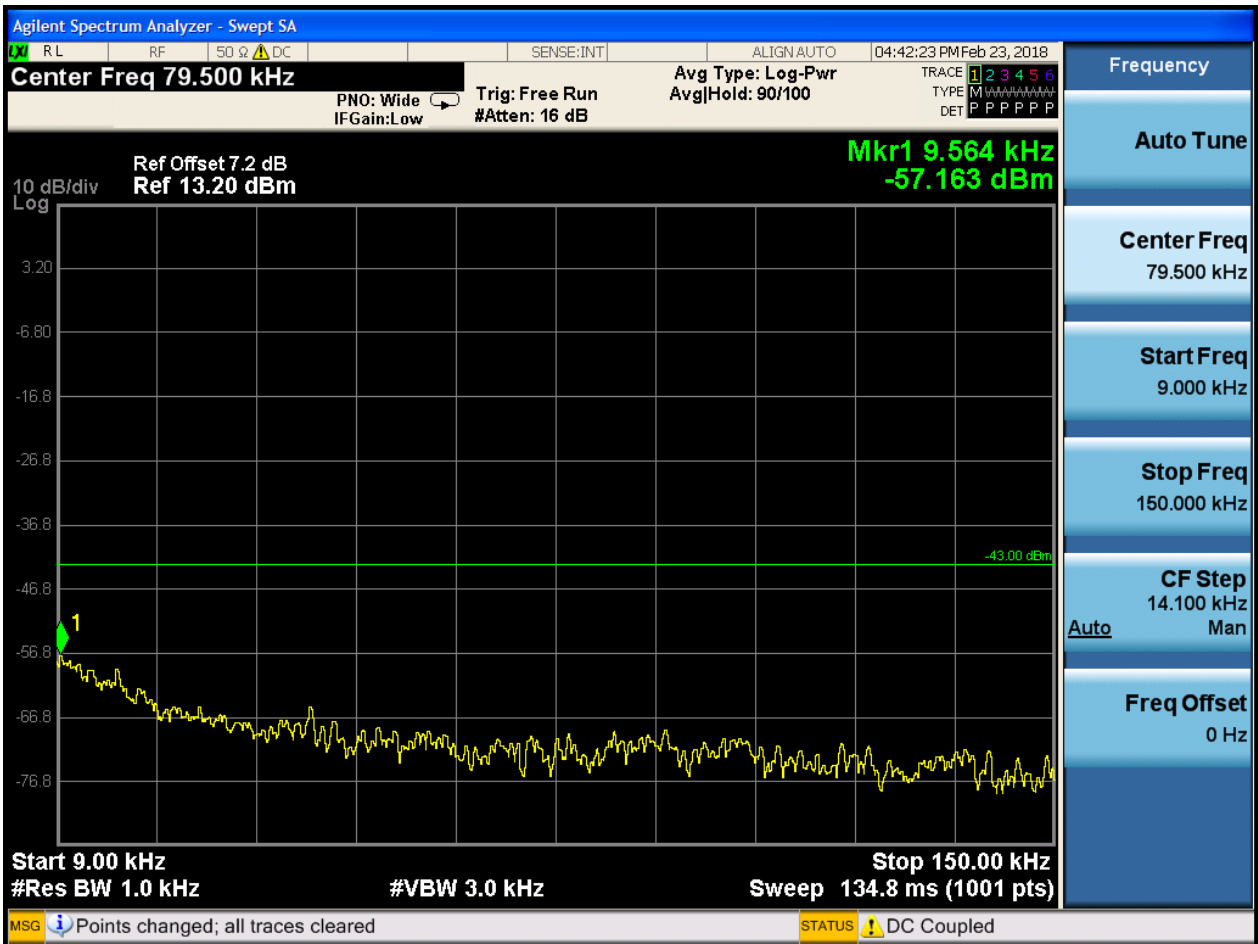


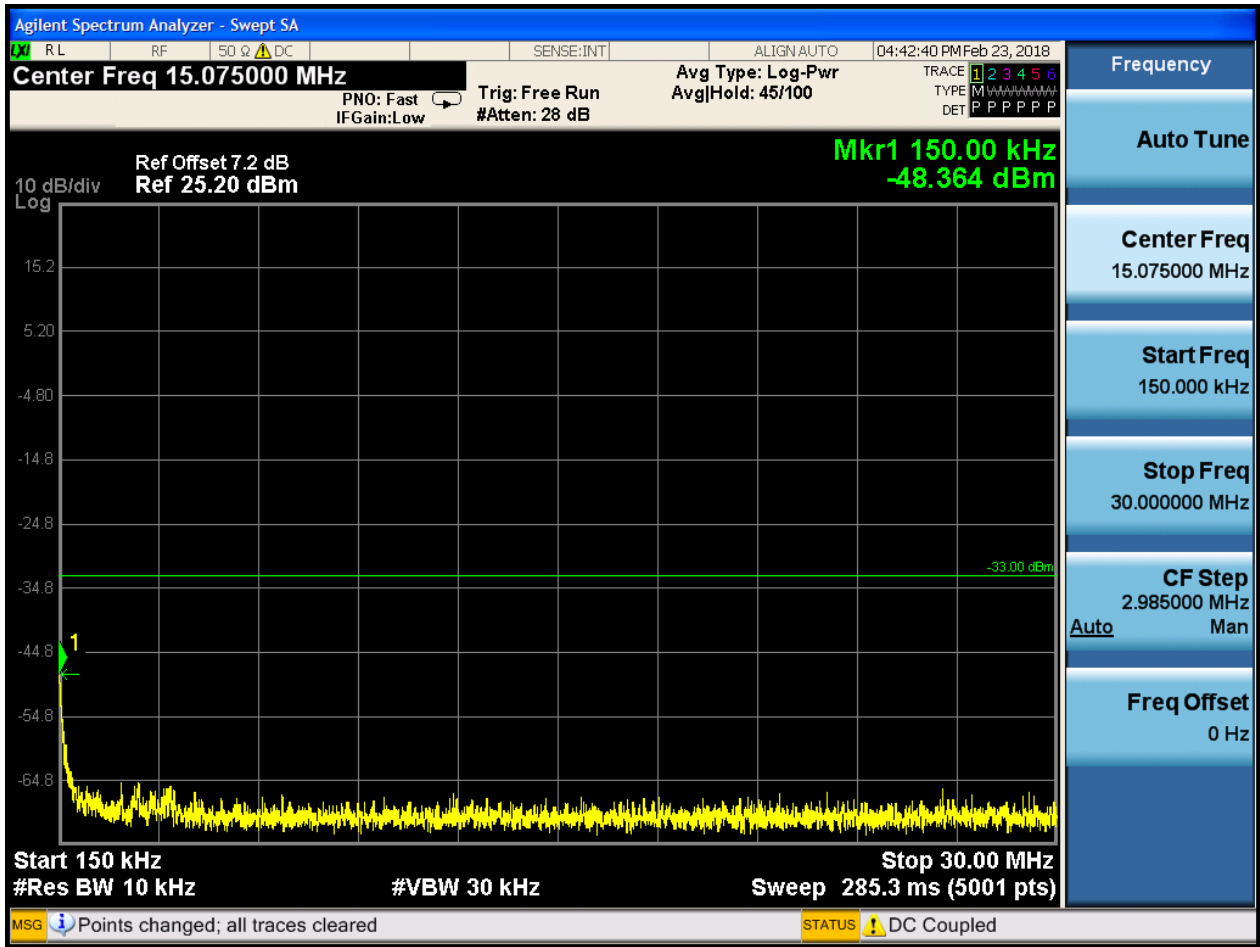


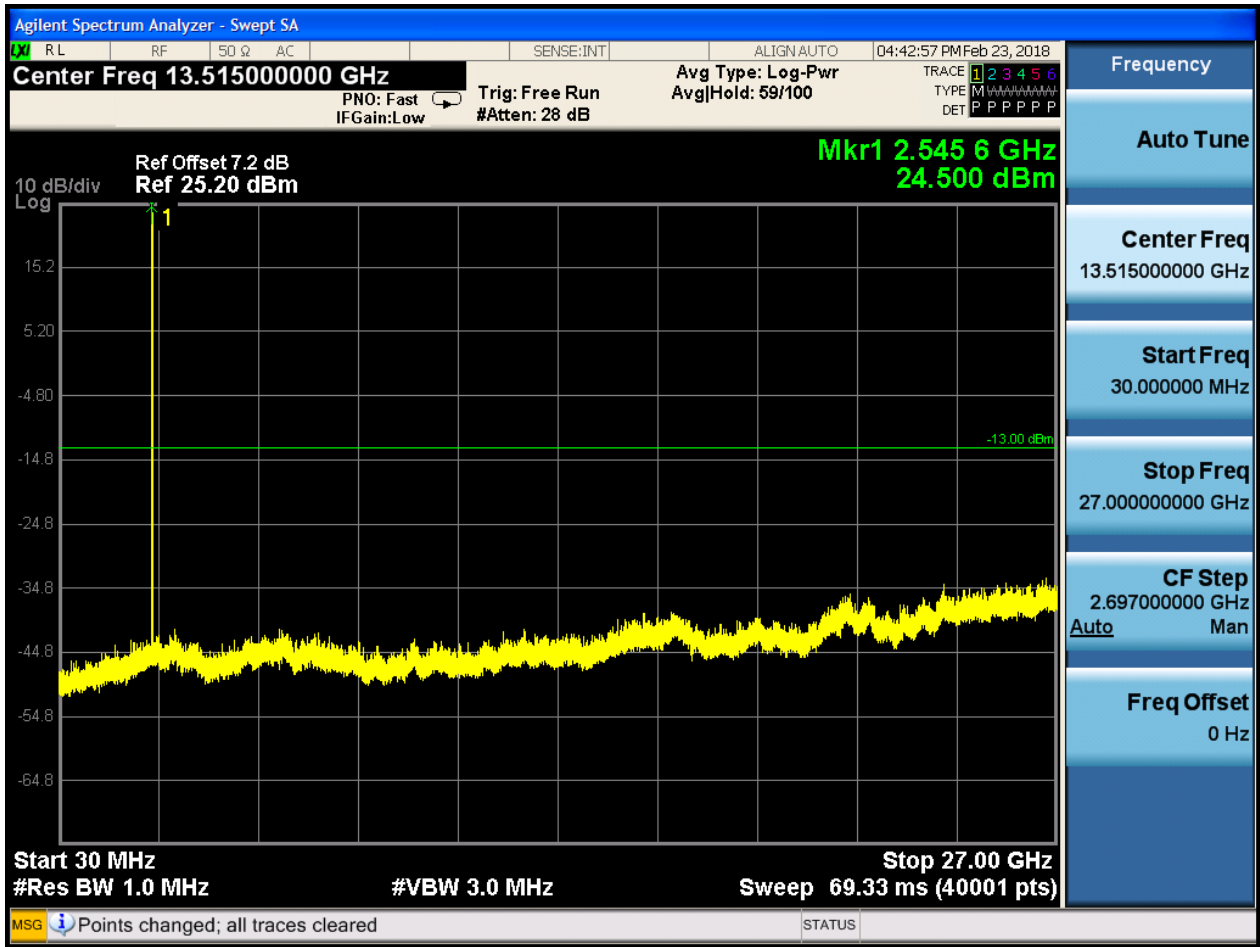
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0





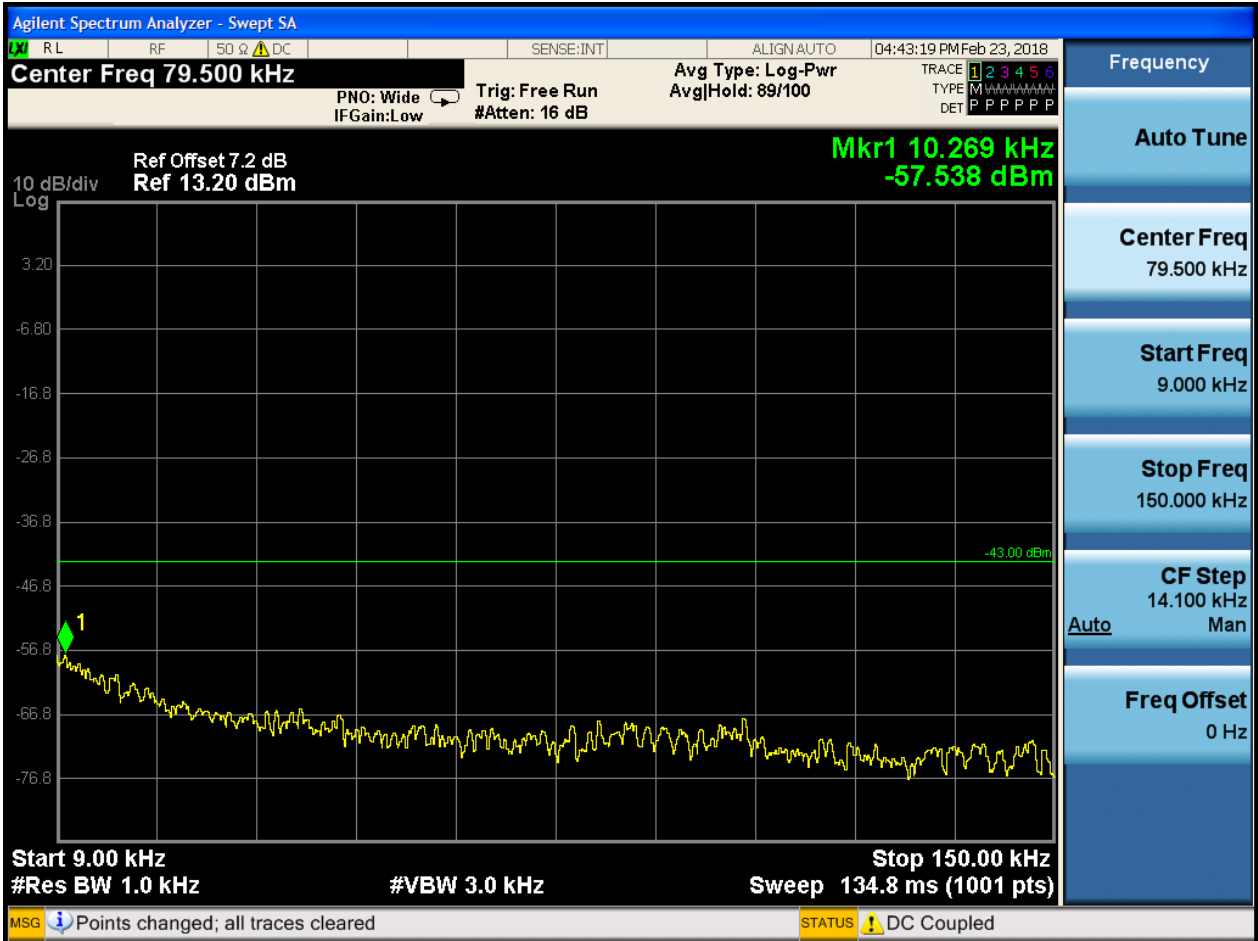




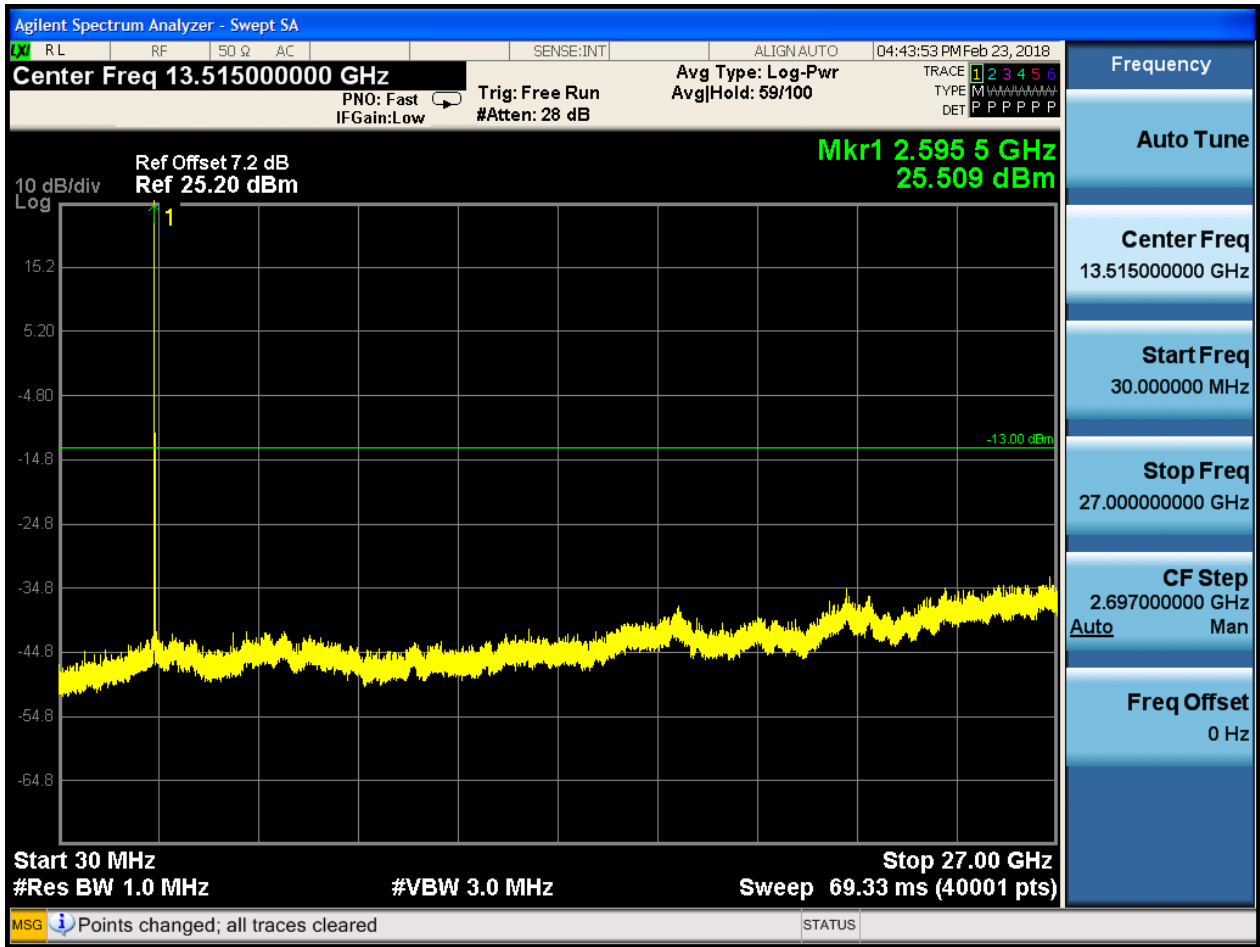


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



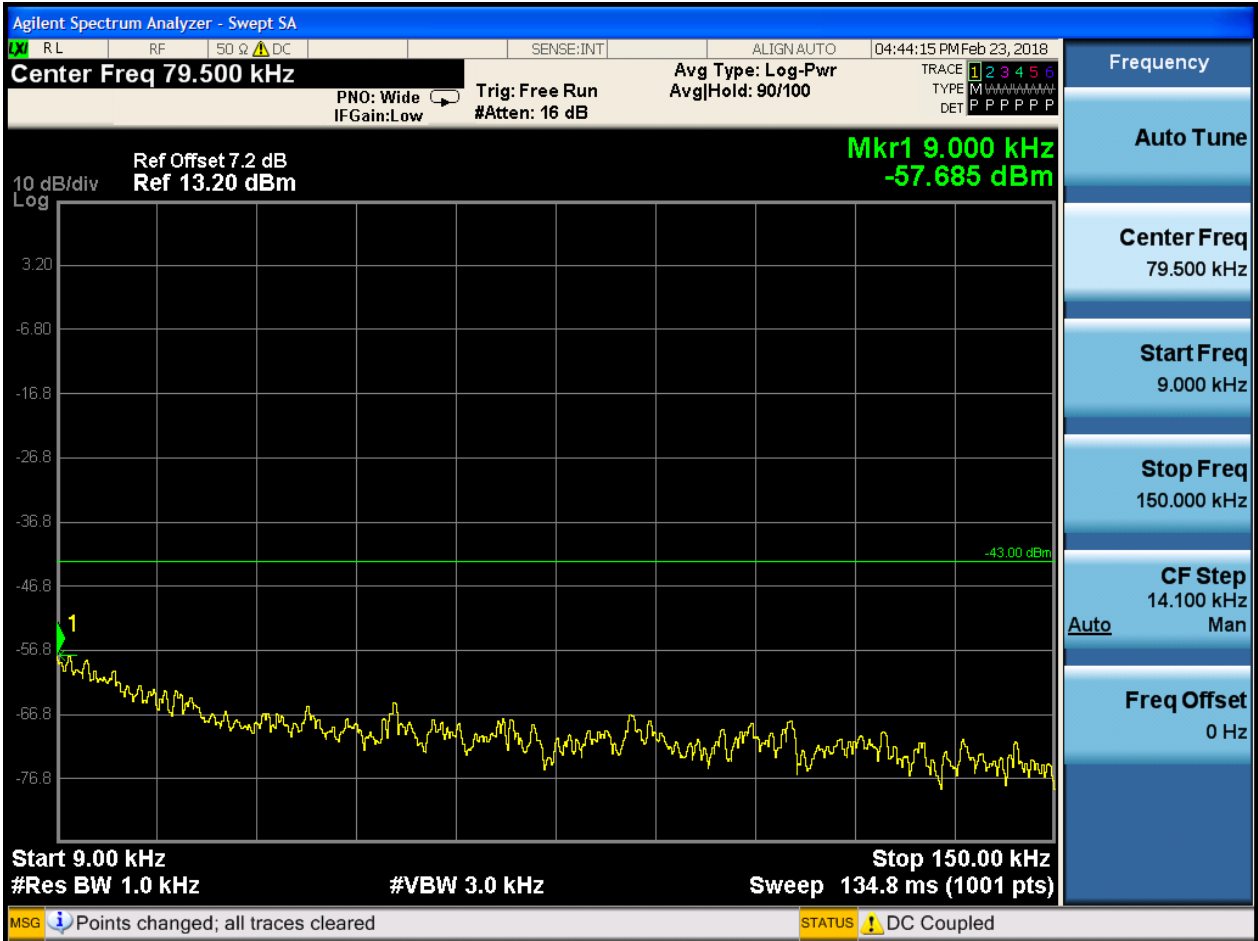


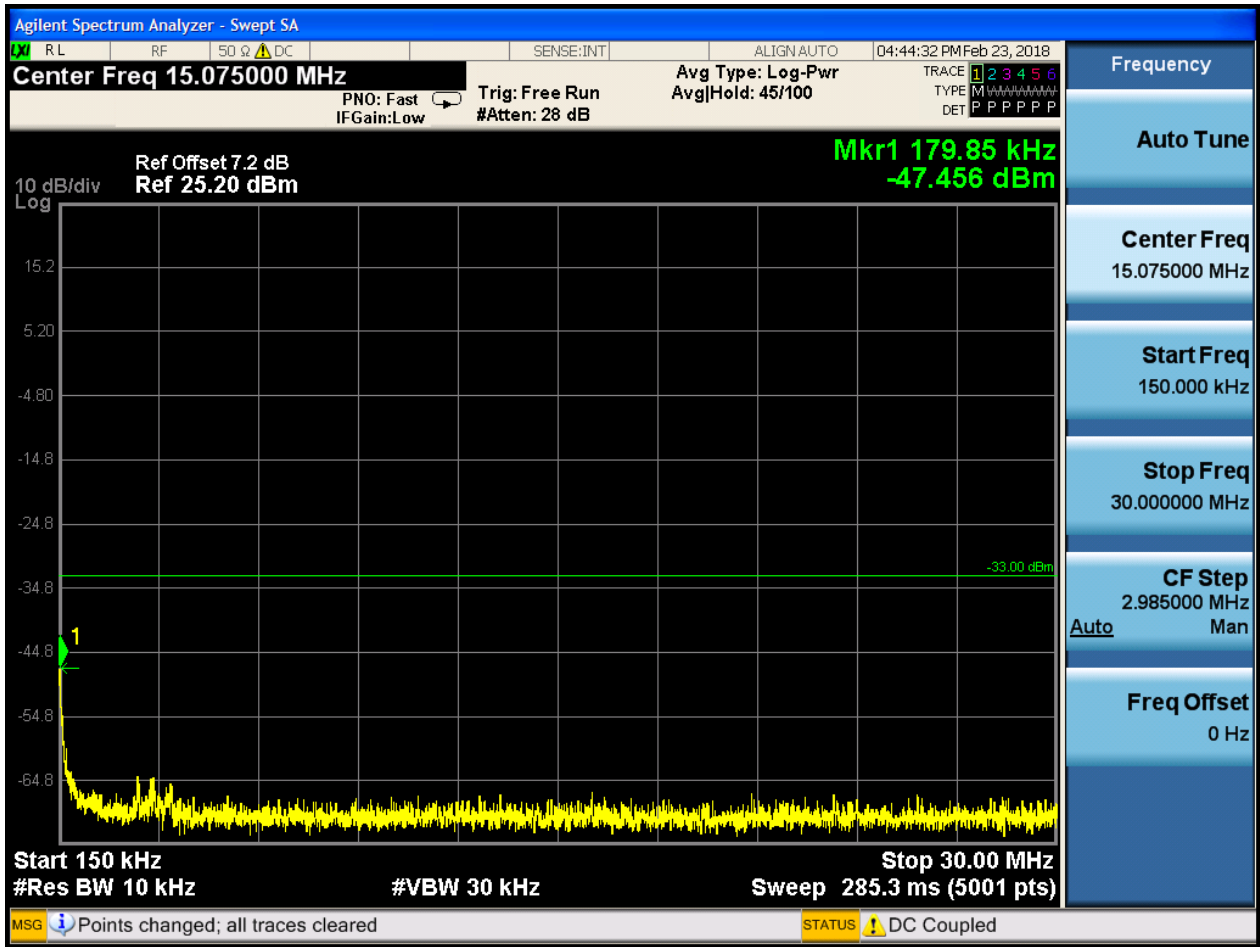


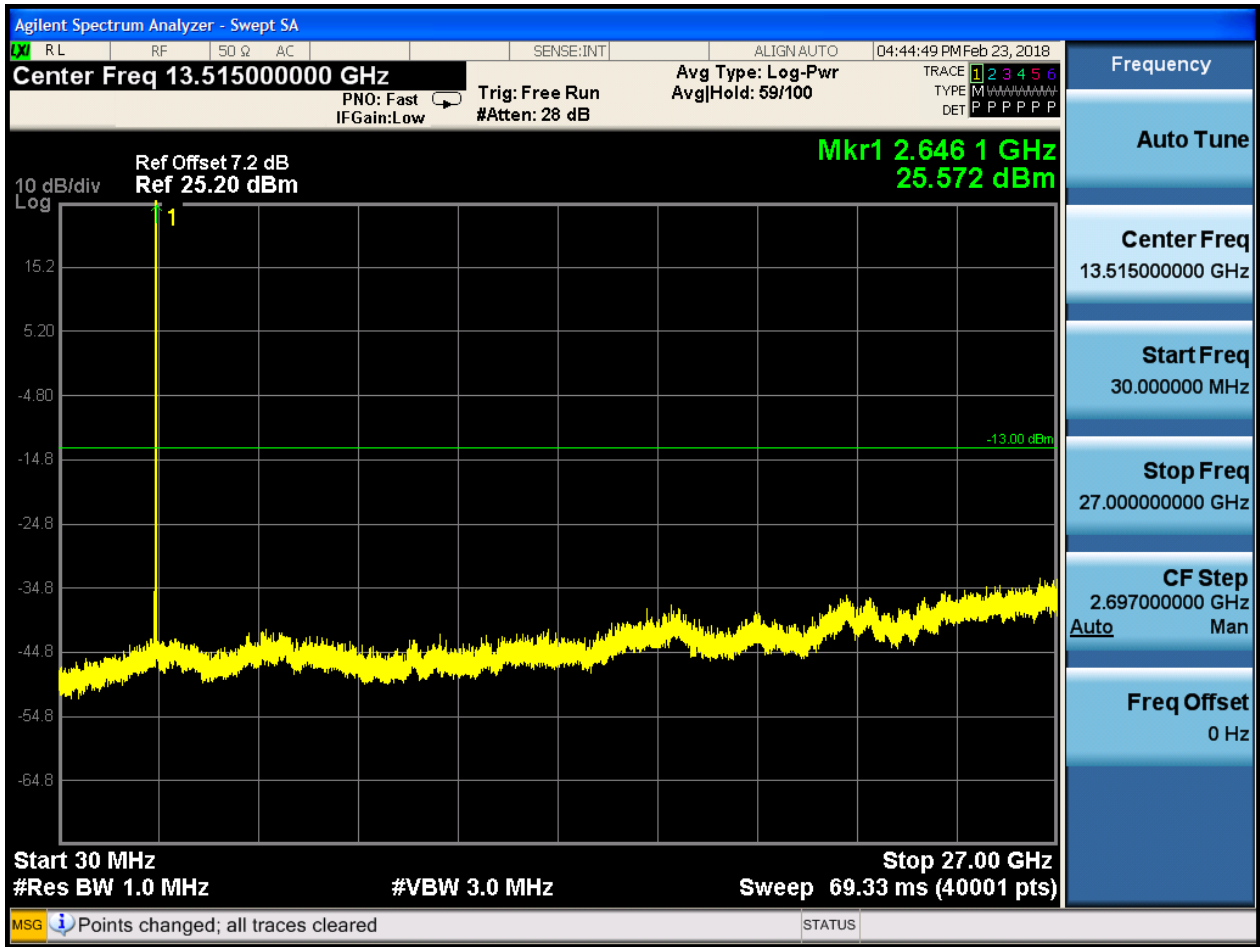


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





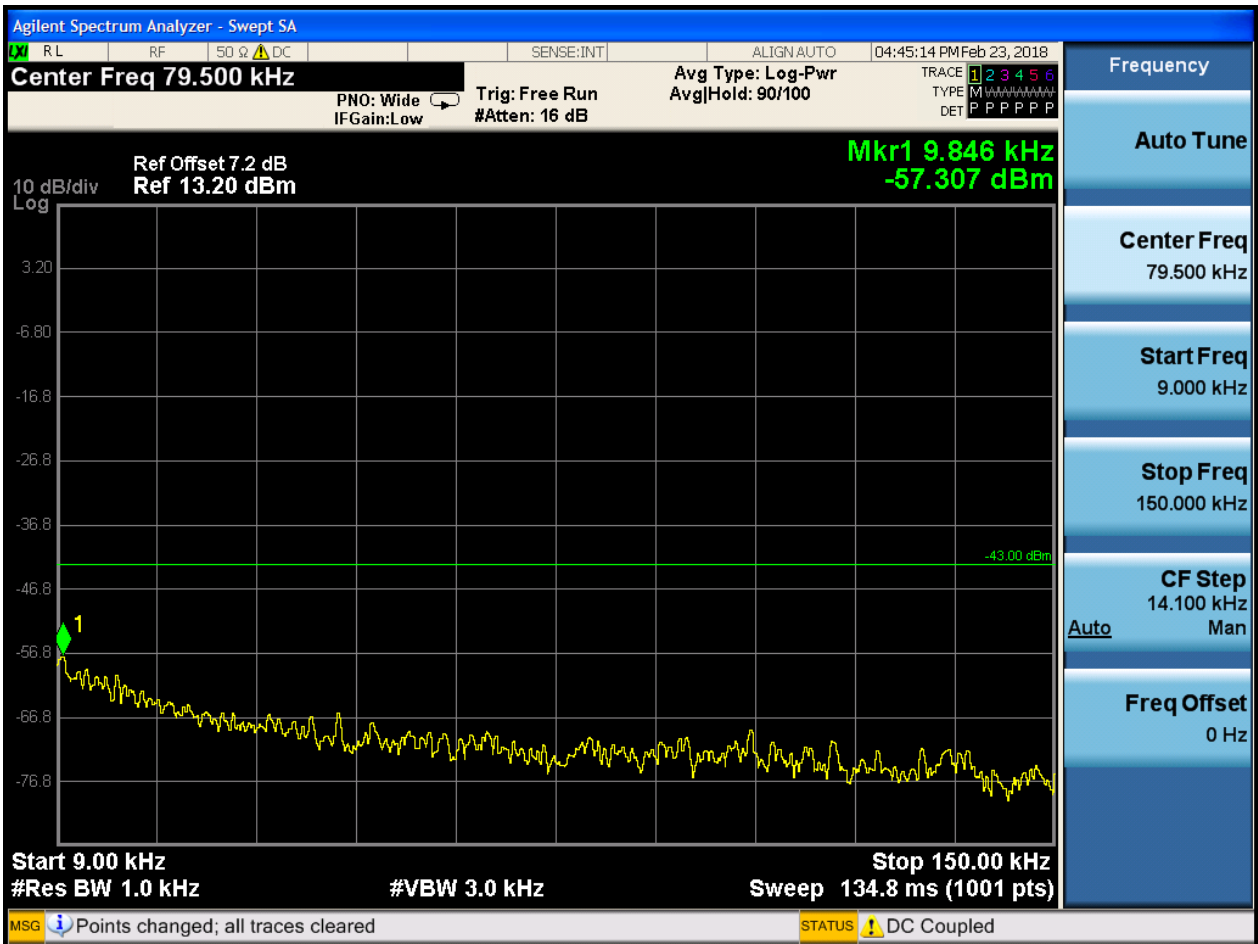


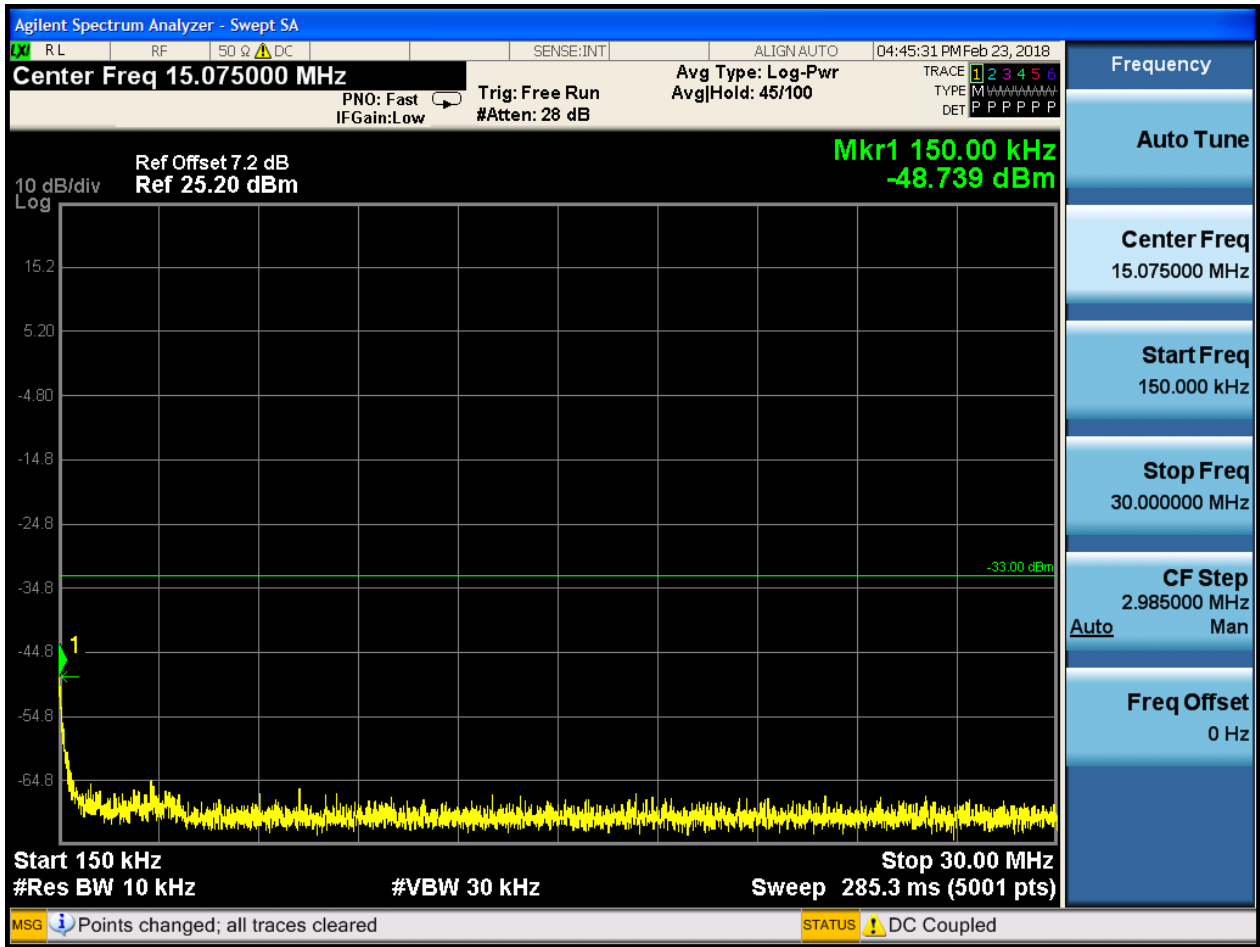


6.1.1.1.3 Test Bandwidth = 15

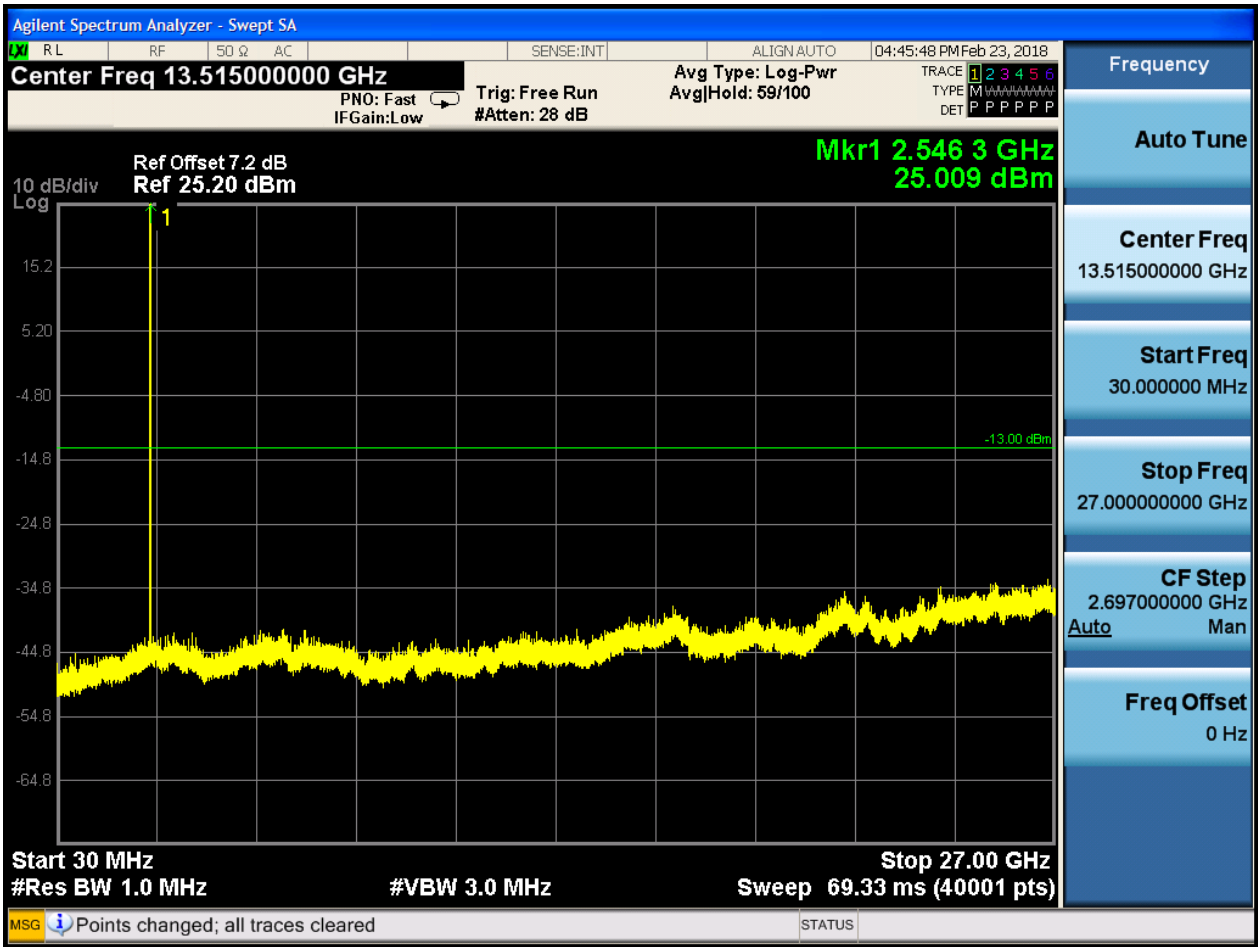
6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





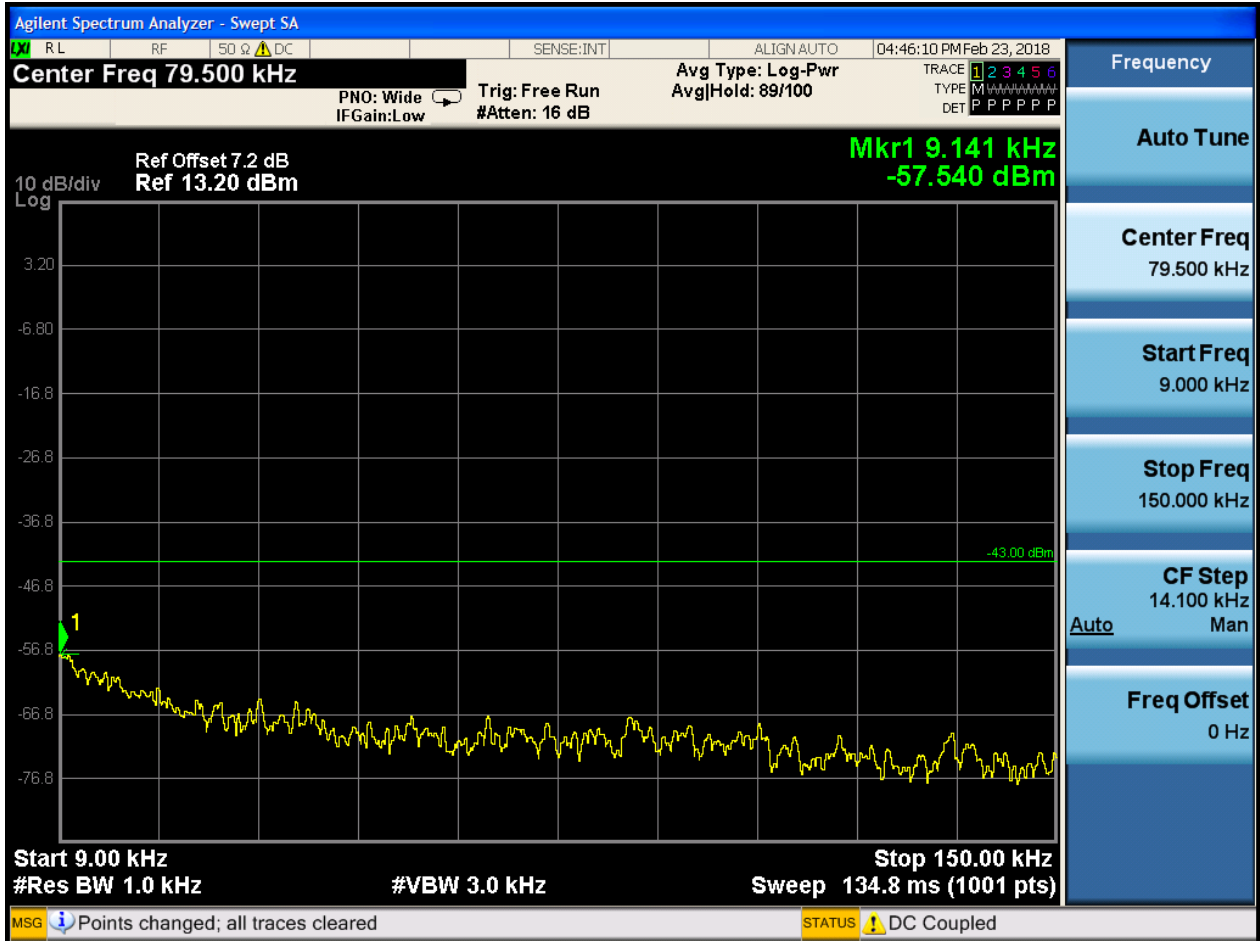


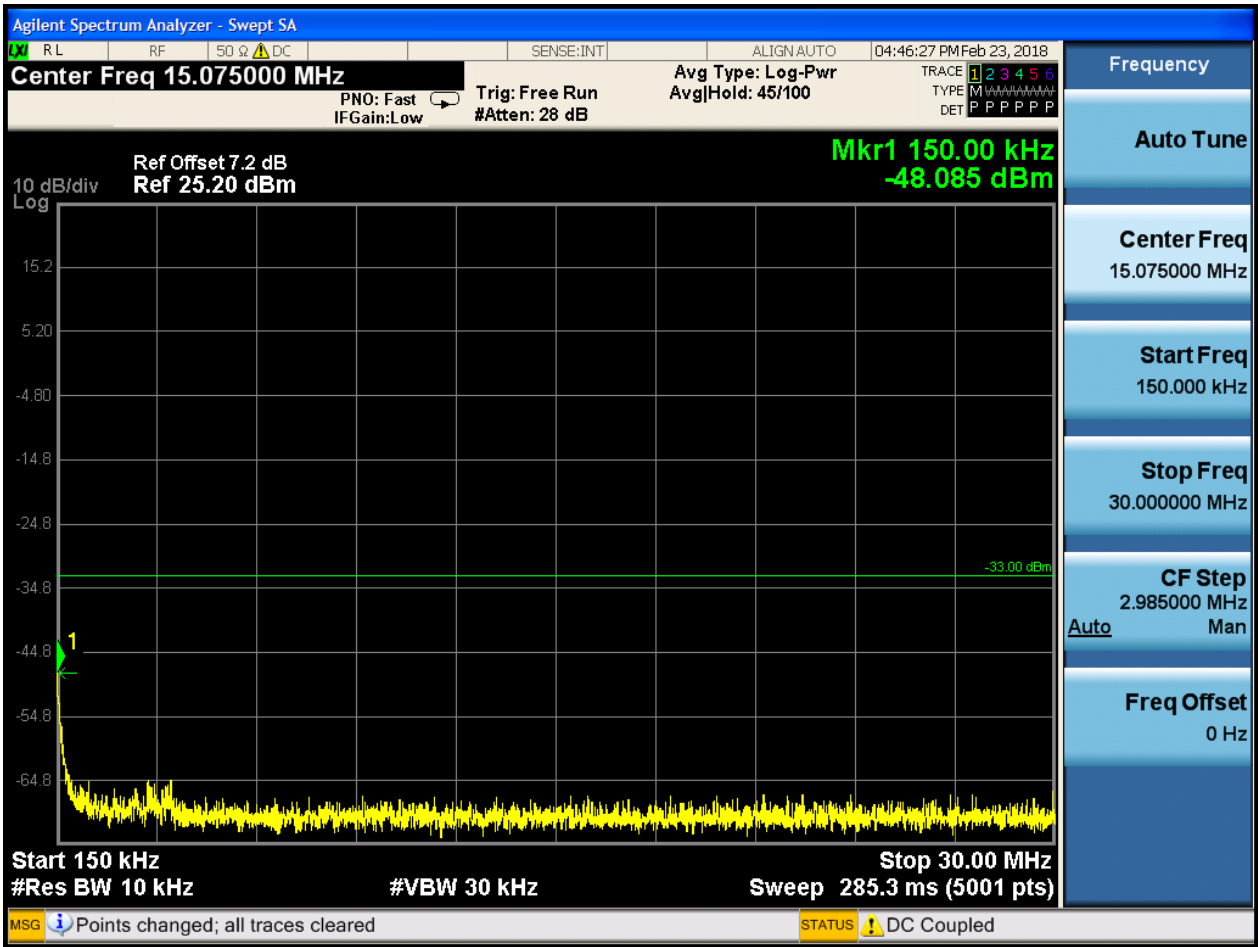


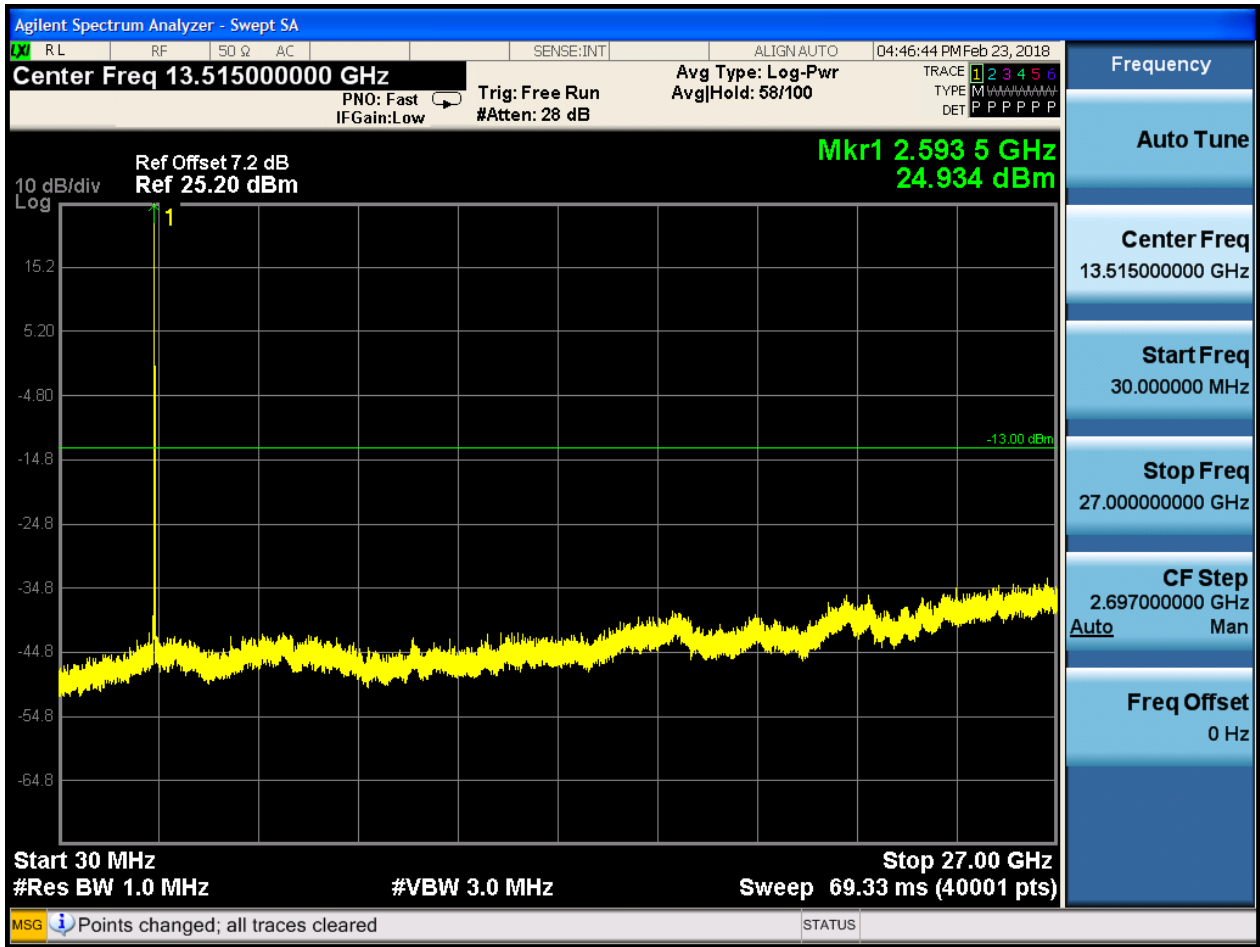


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



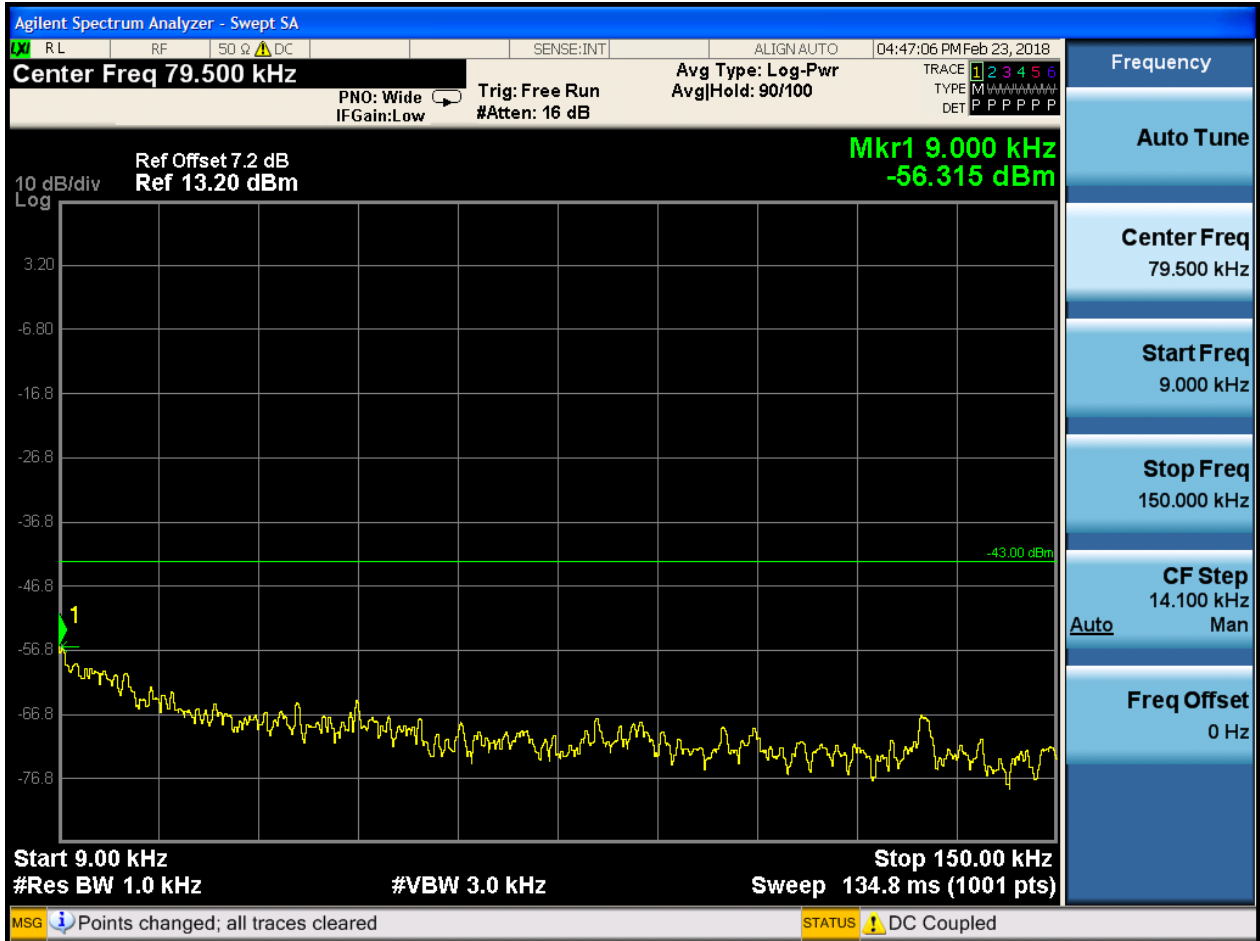






### 6.1.1.1.3.3 Test Channel = HCH

#### 6.1.1.1.3.3.1 Test RB = RB1#0





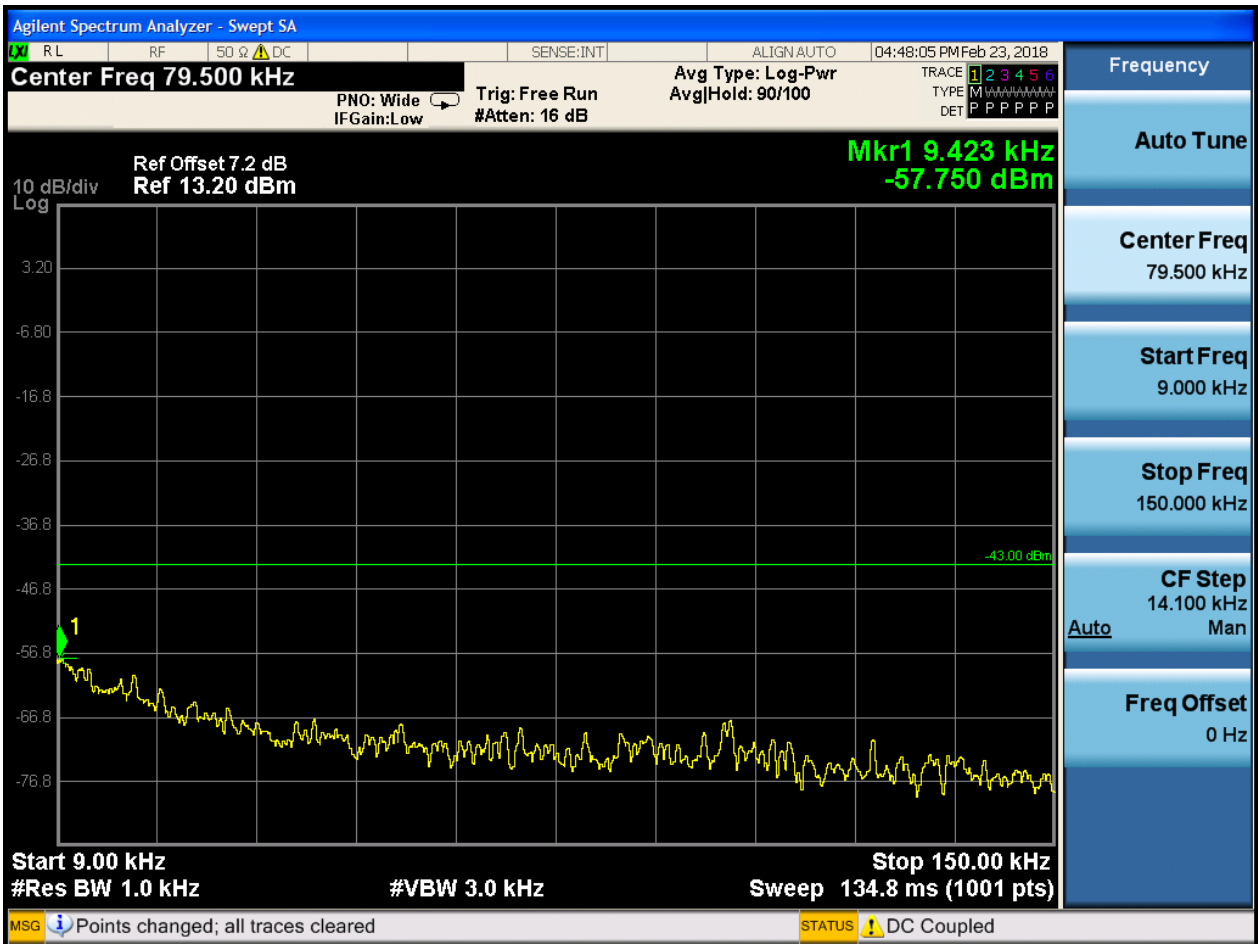




6.1.1.1.4 Test Bandwidth = 20

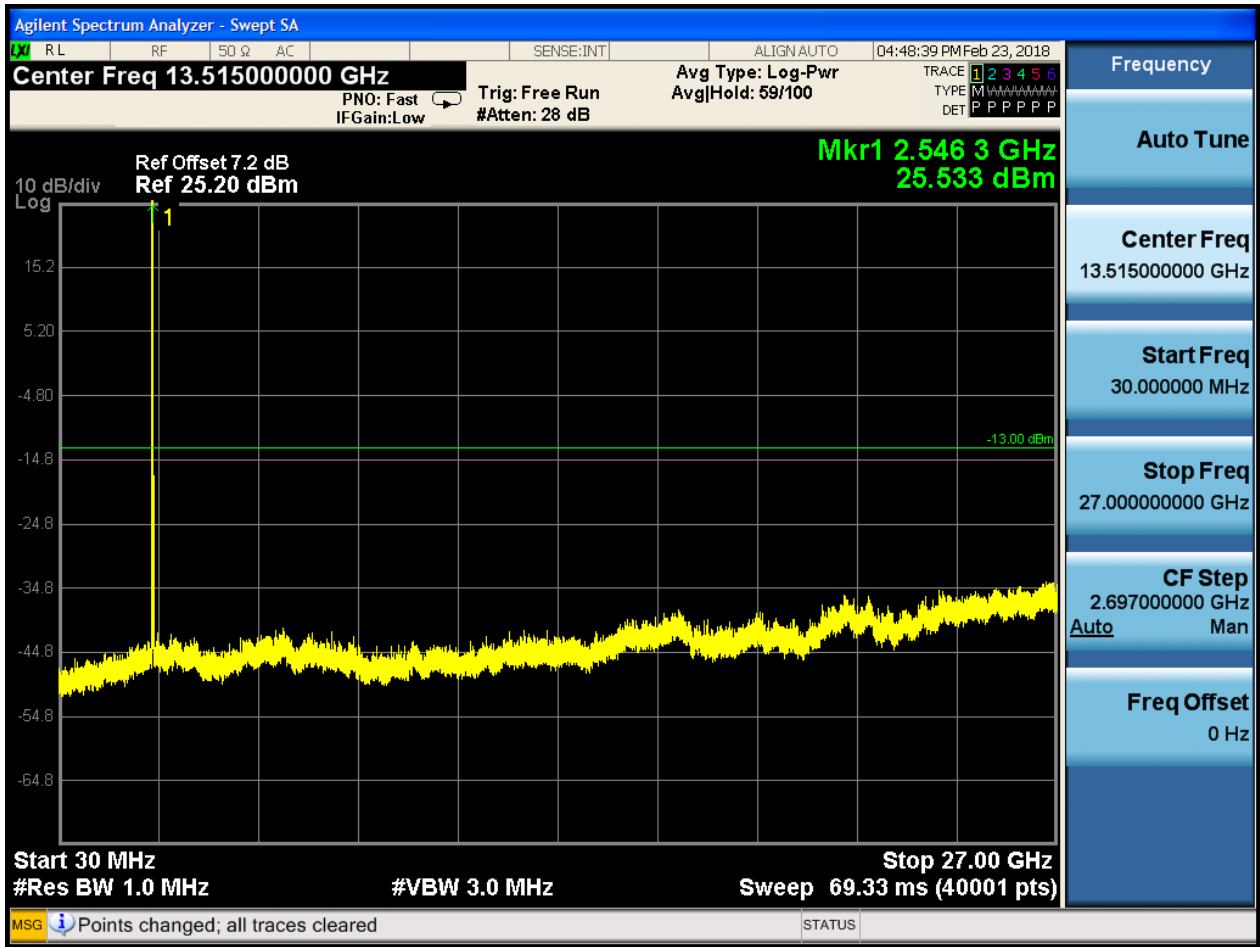
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





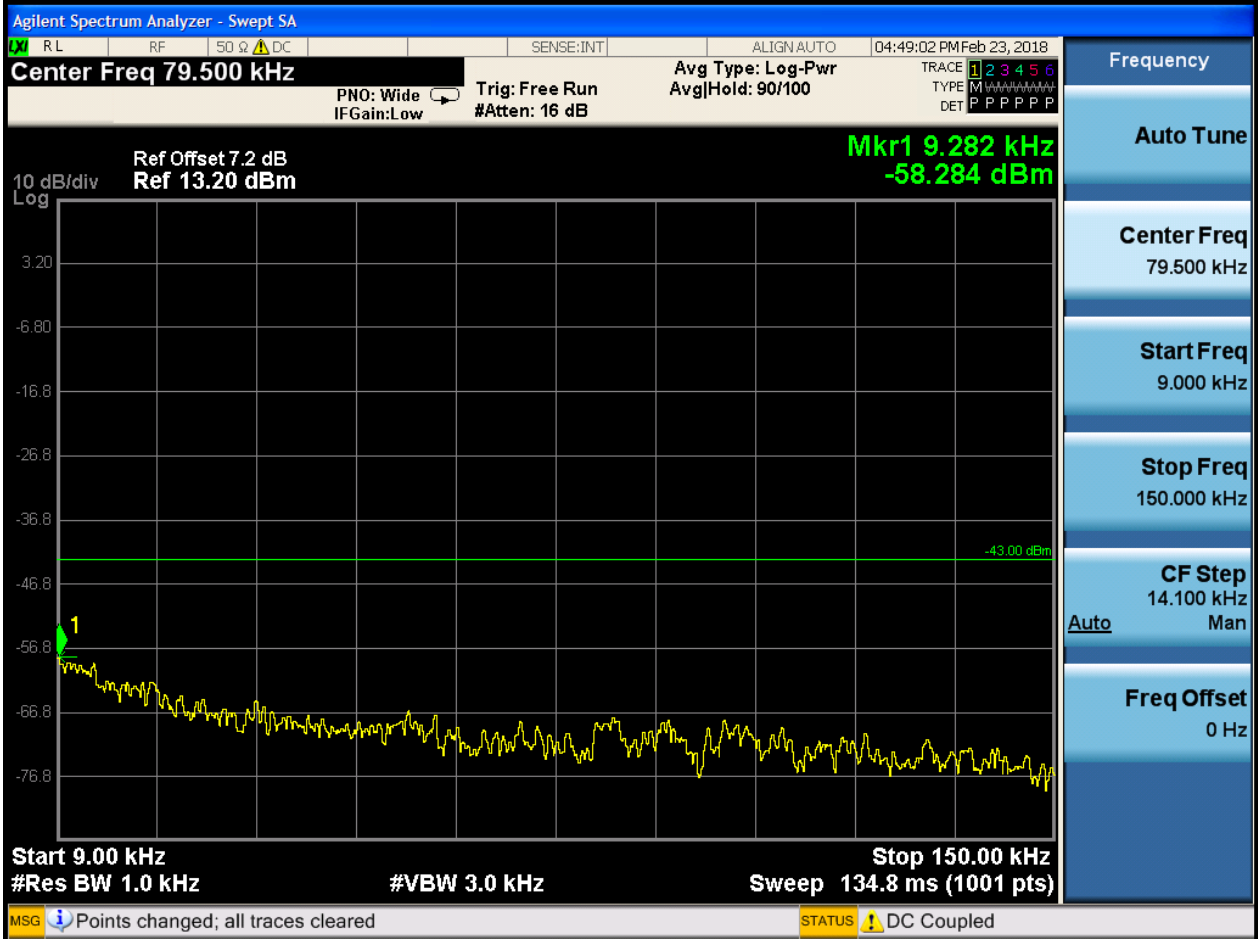


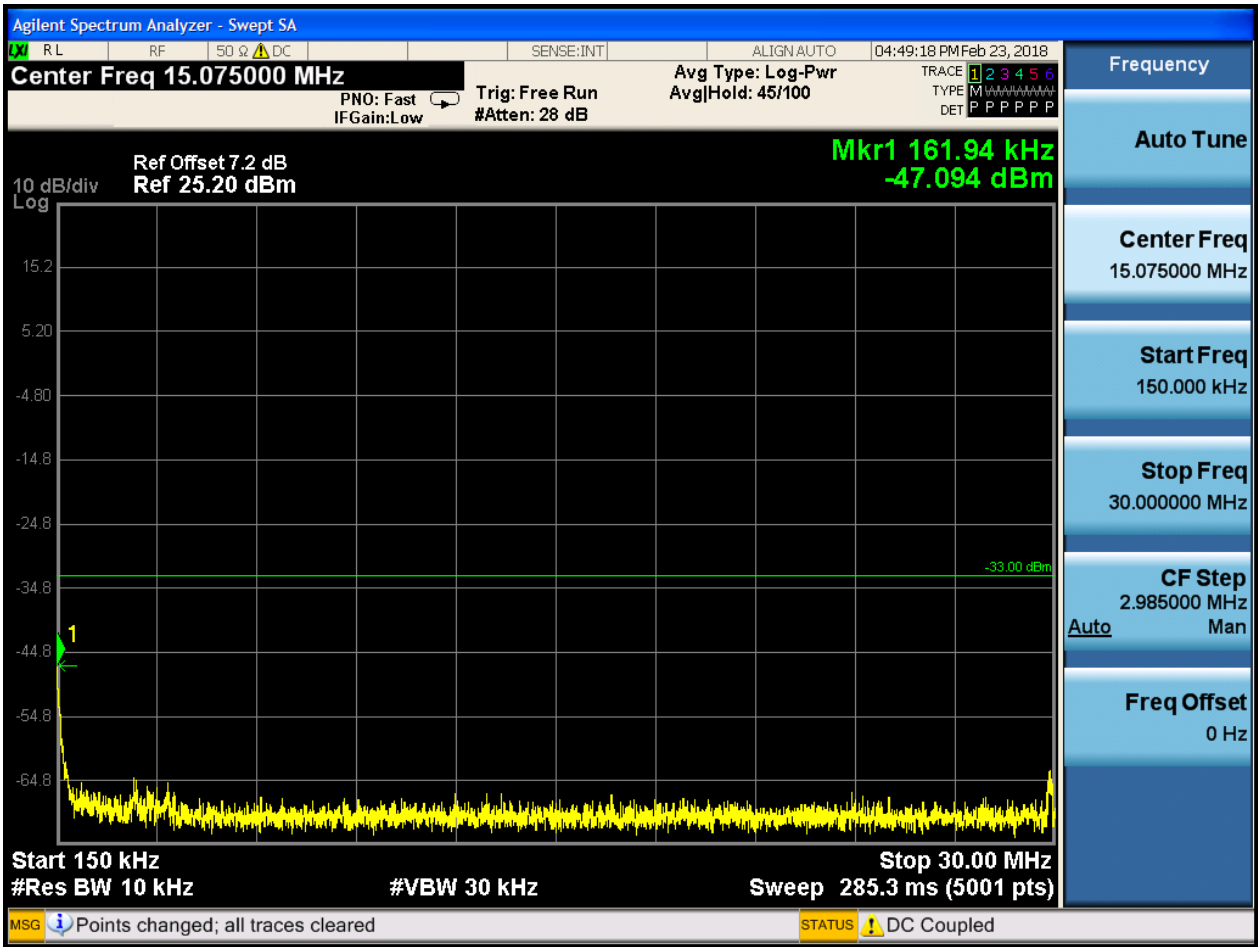




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



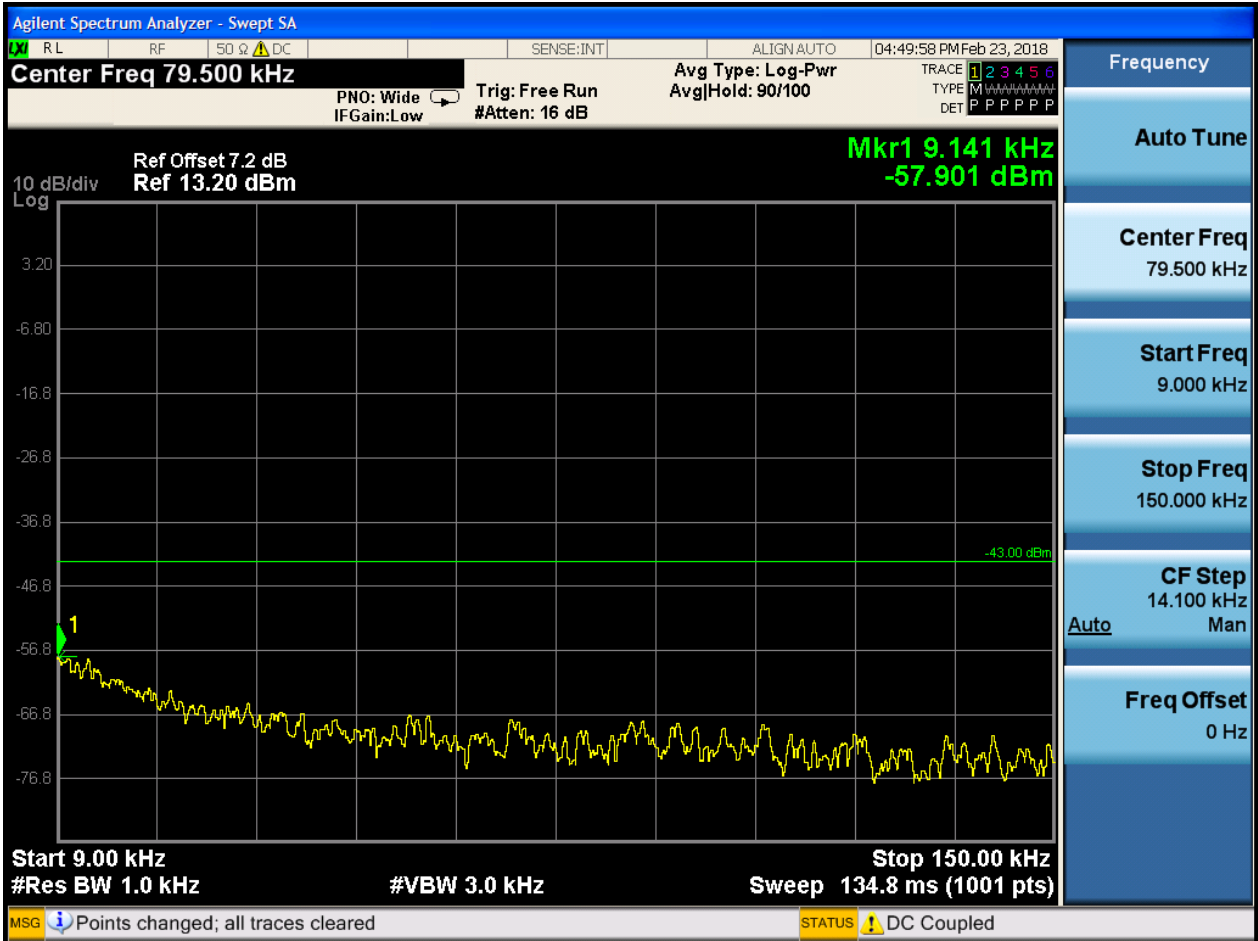




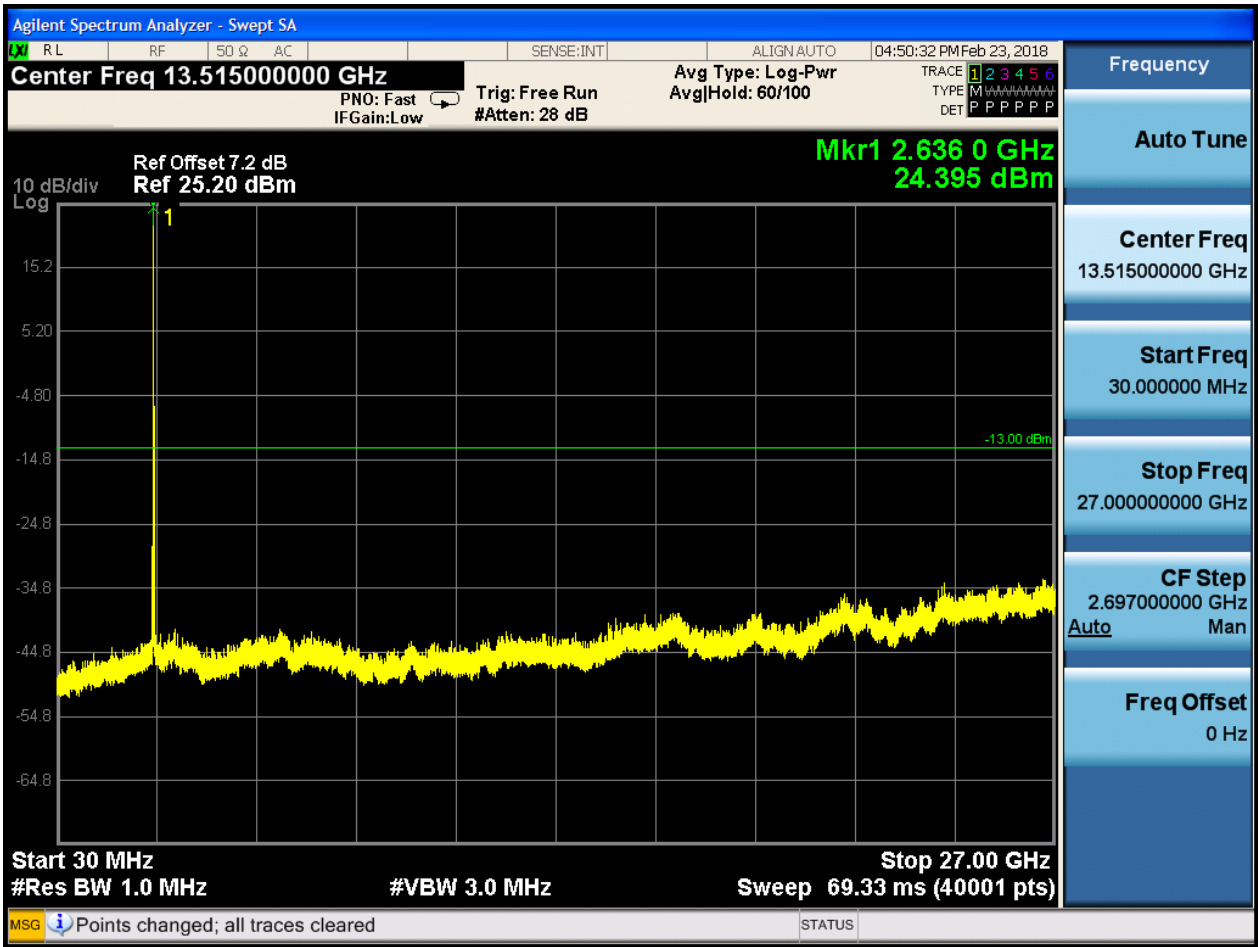


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









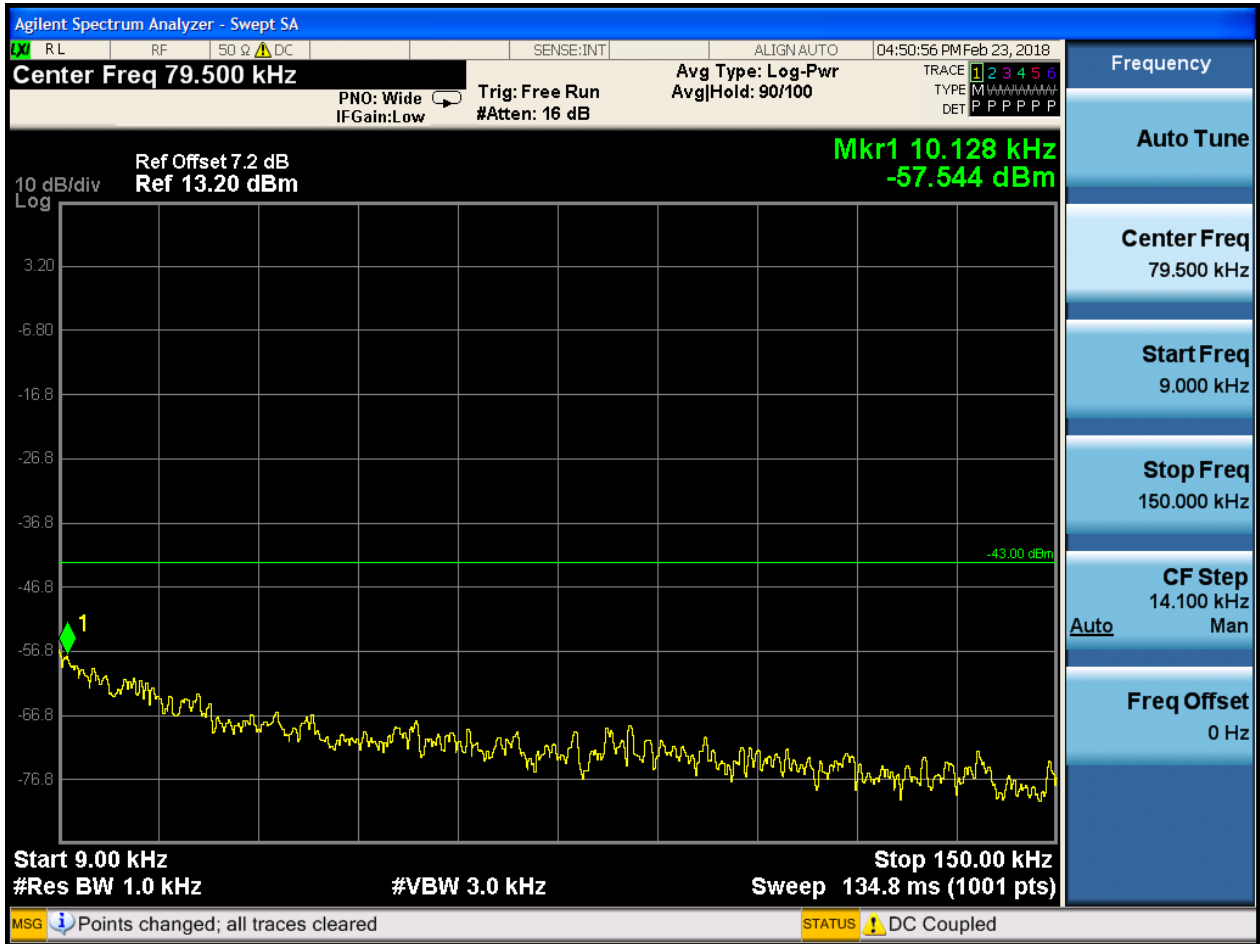


6.1.1.2 Test Mode = LTE/TM2

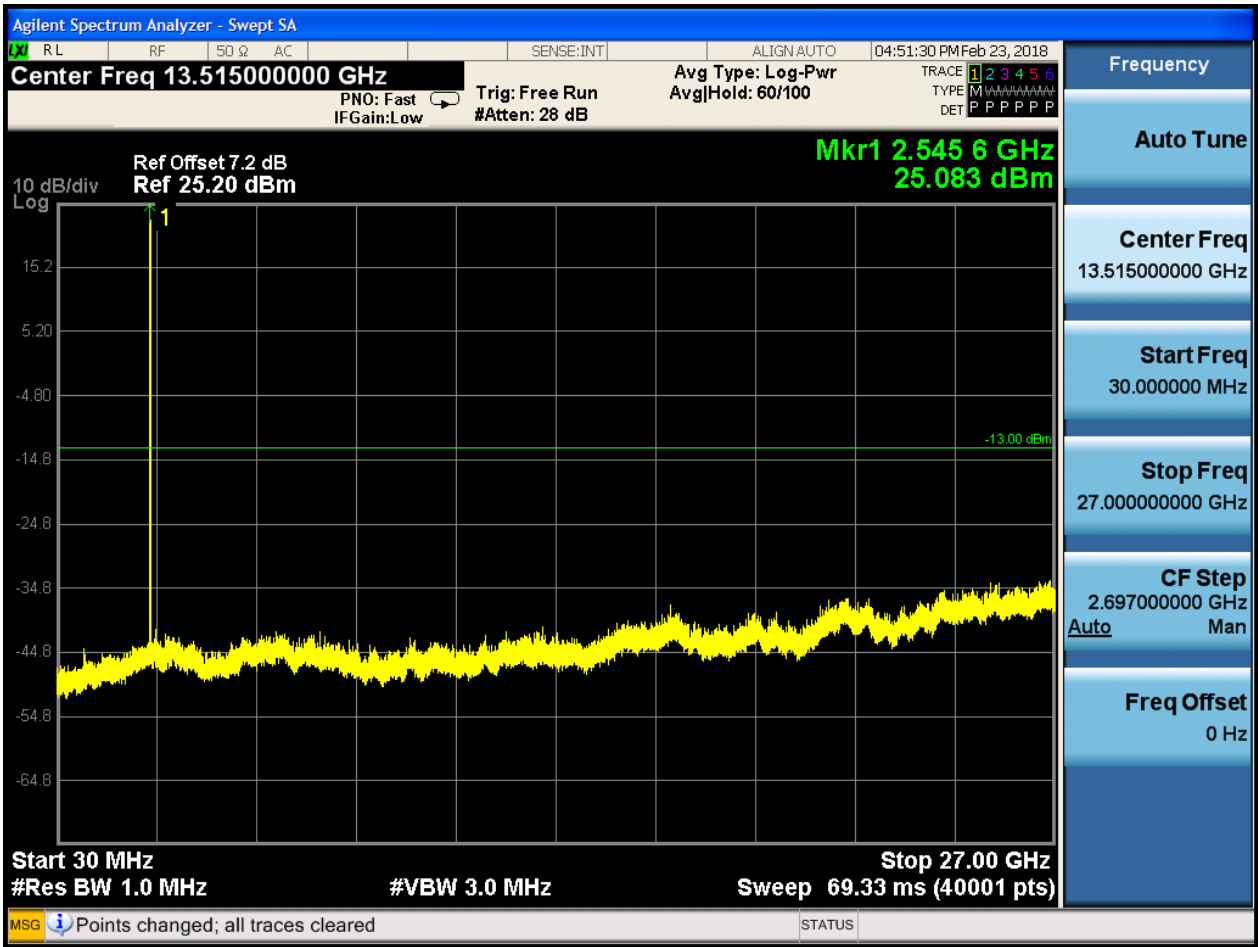
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



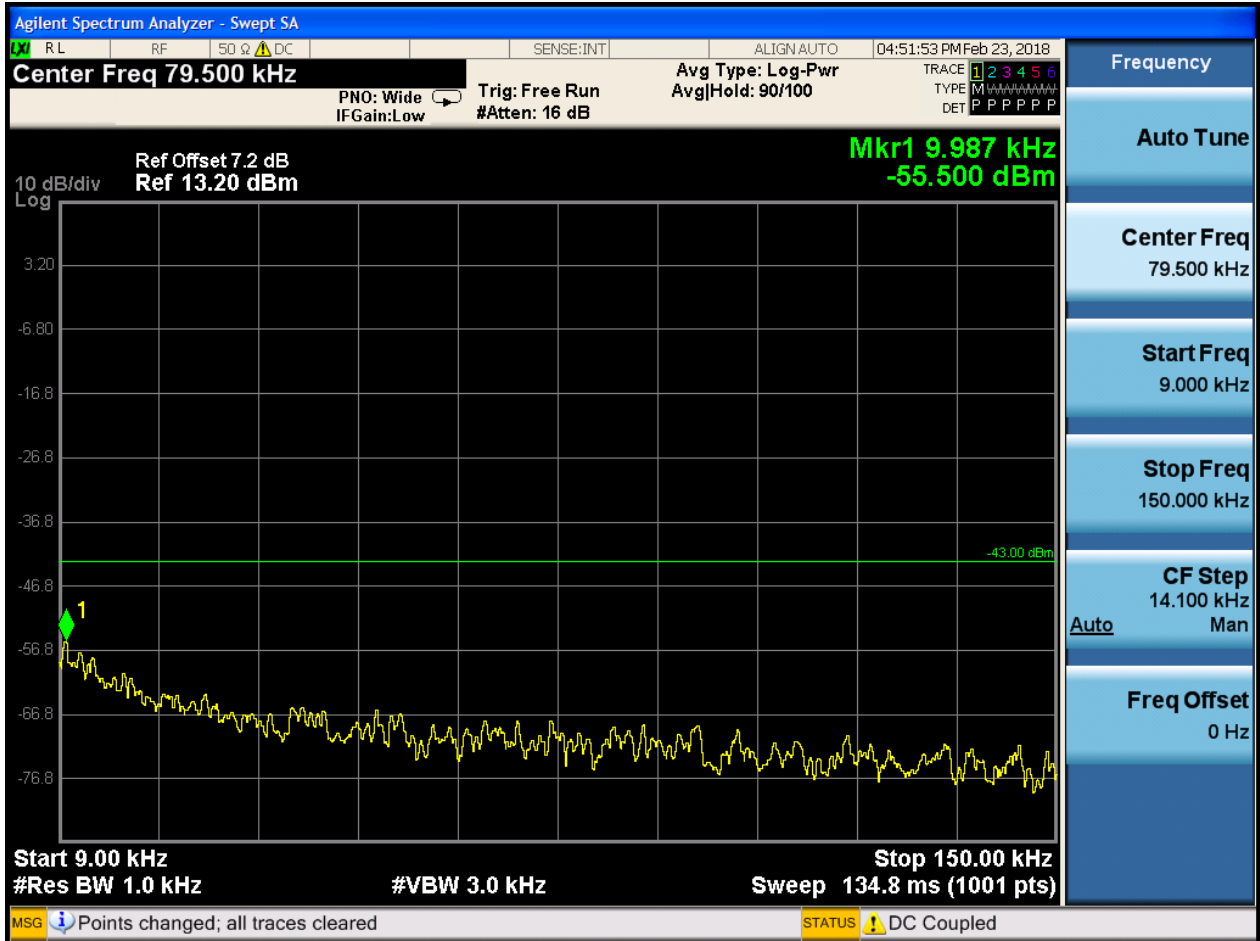




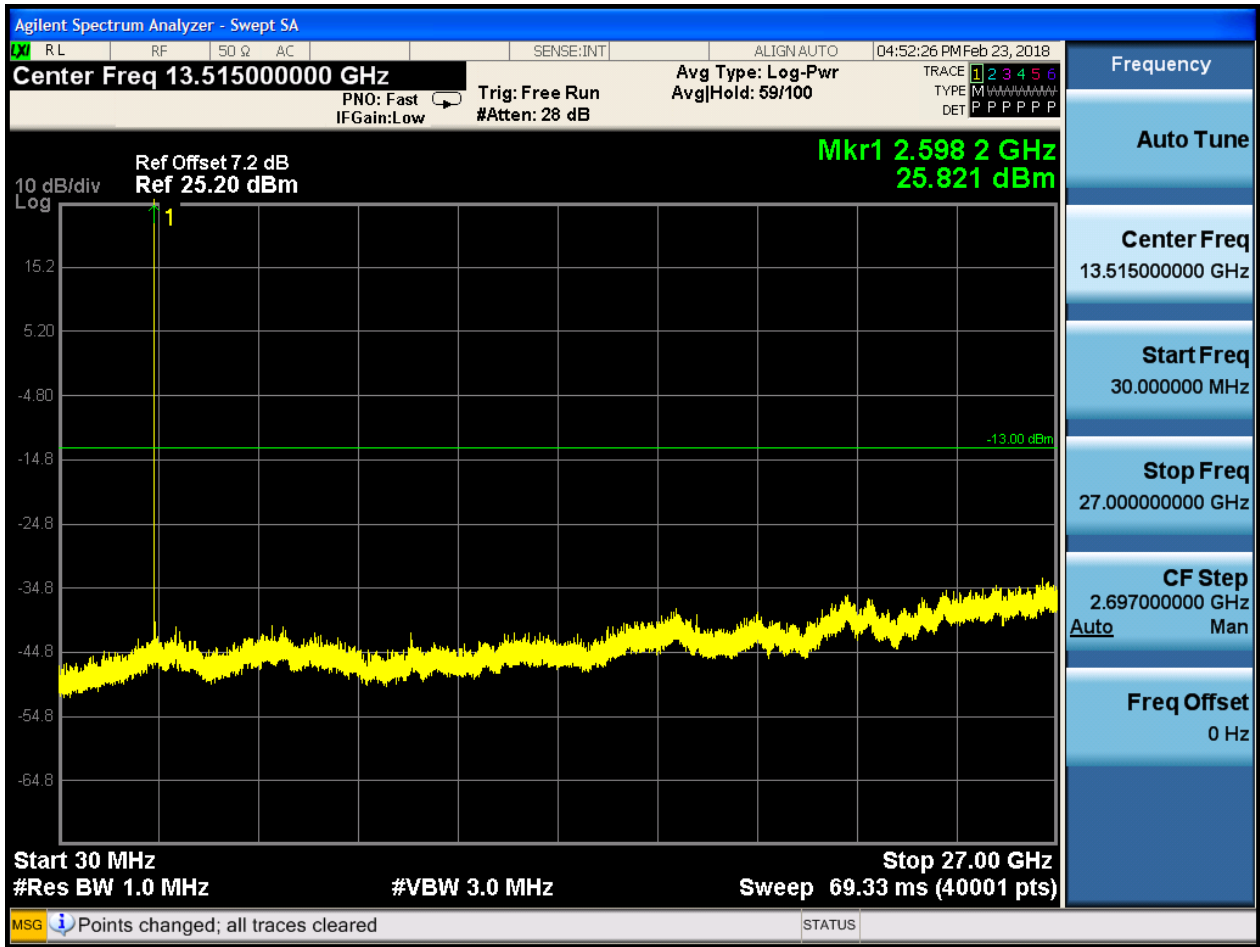


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



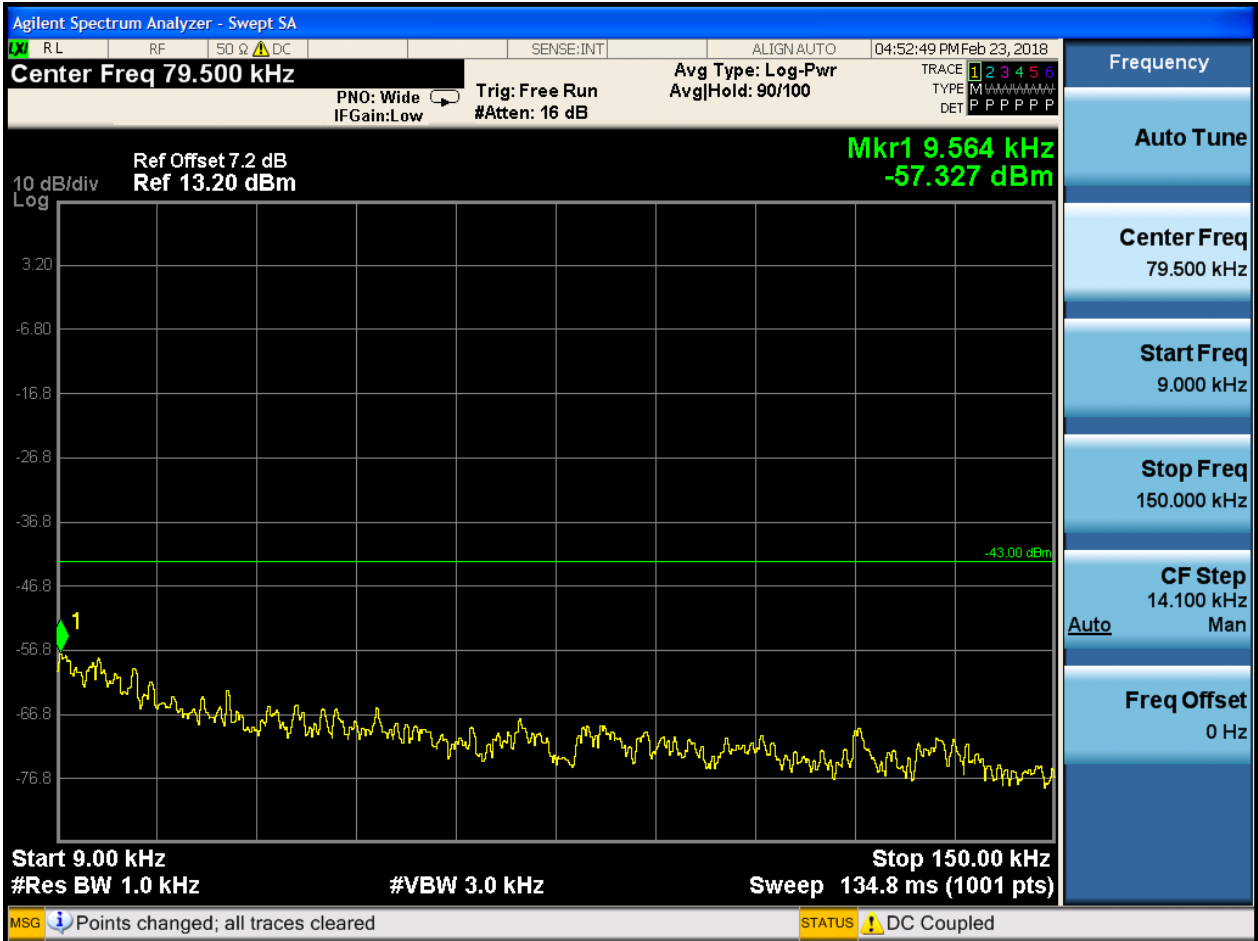


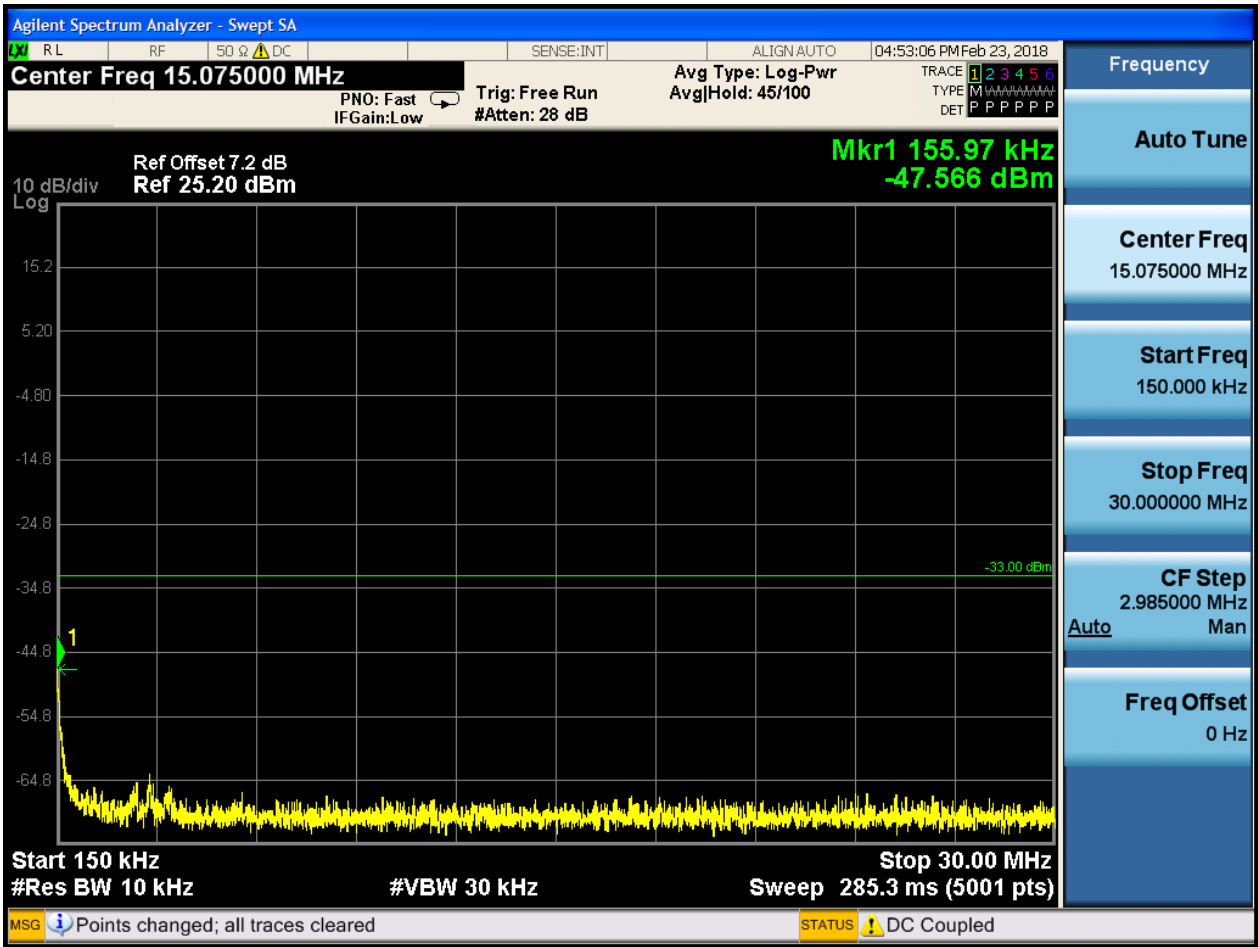




6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







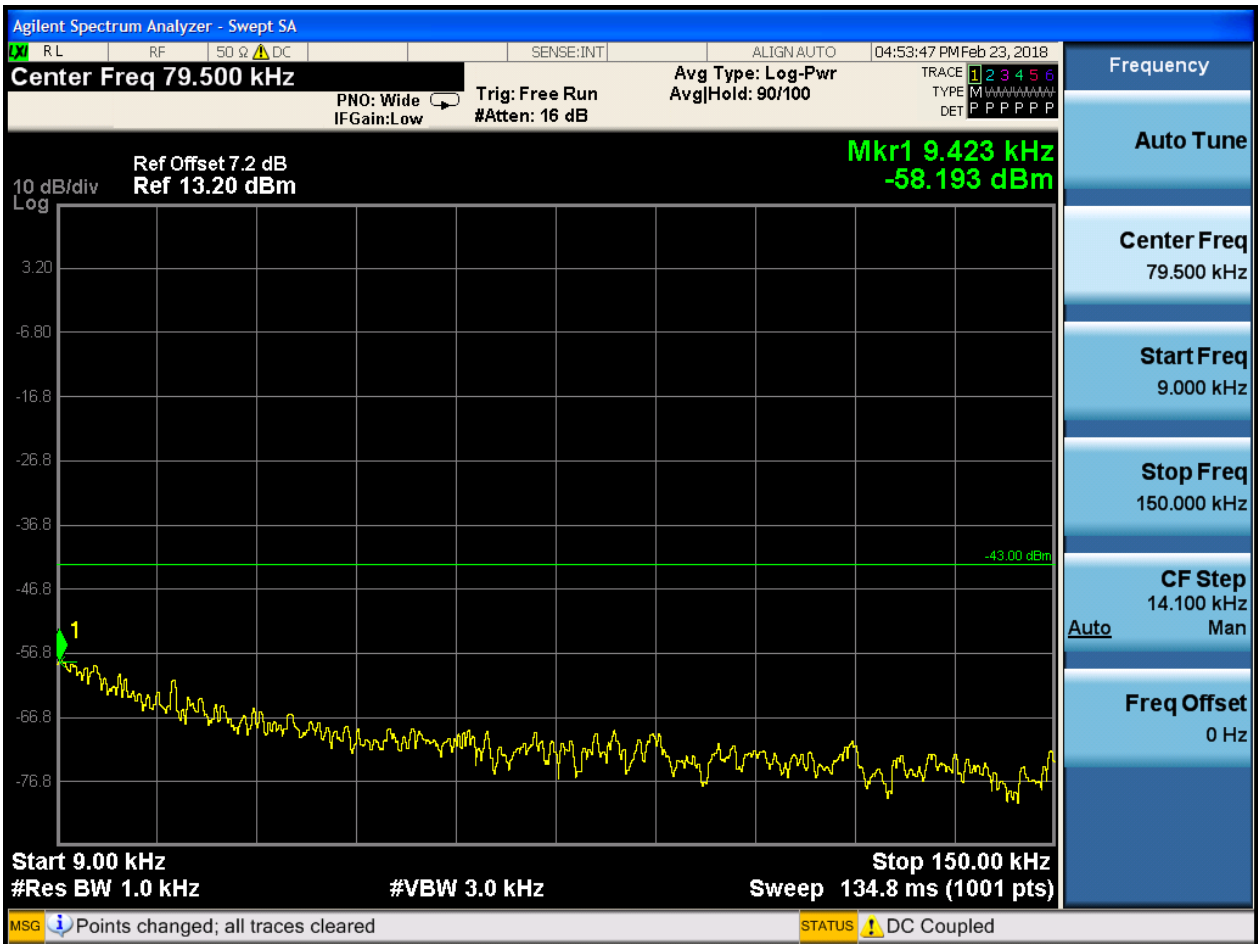


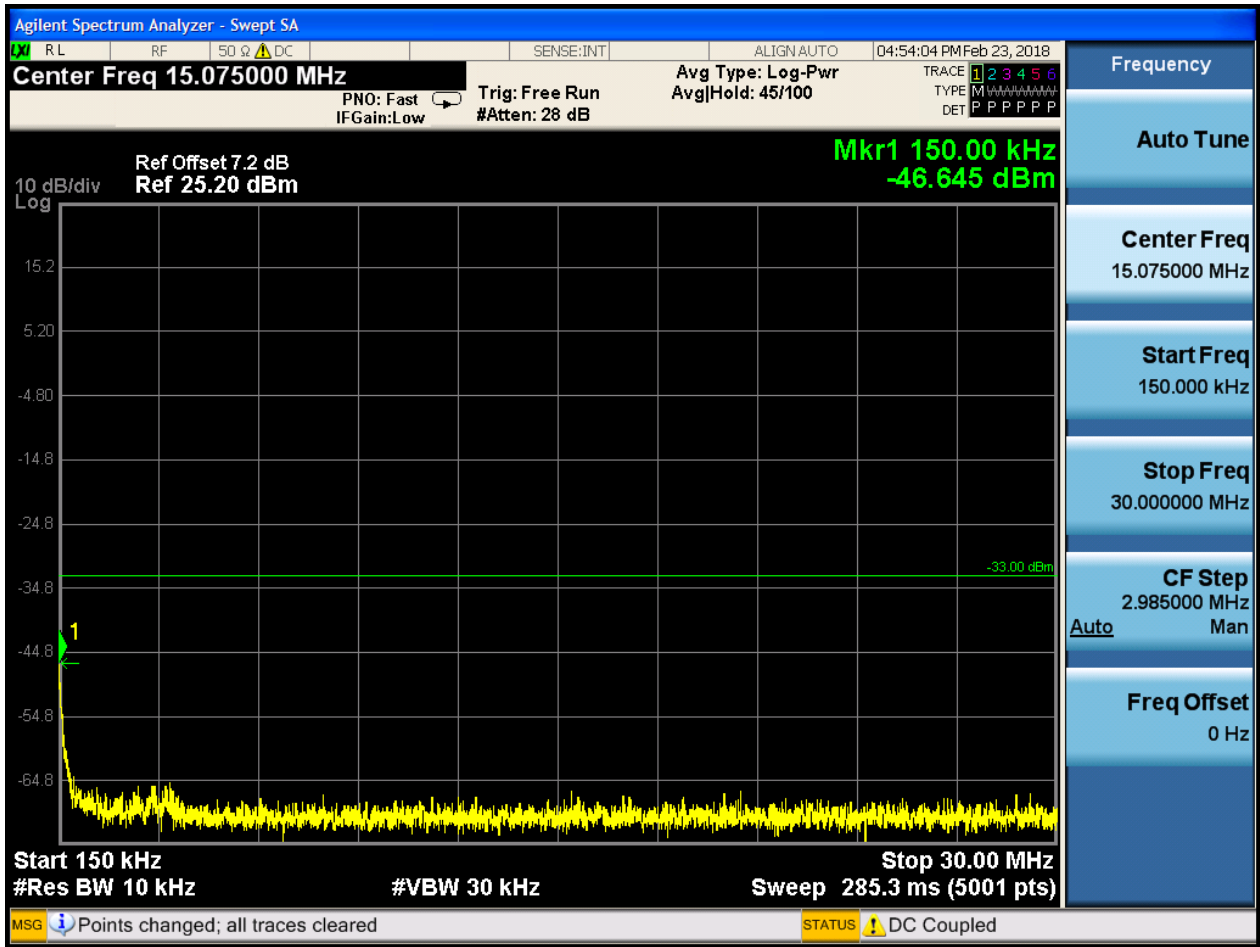


6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



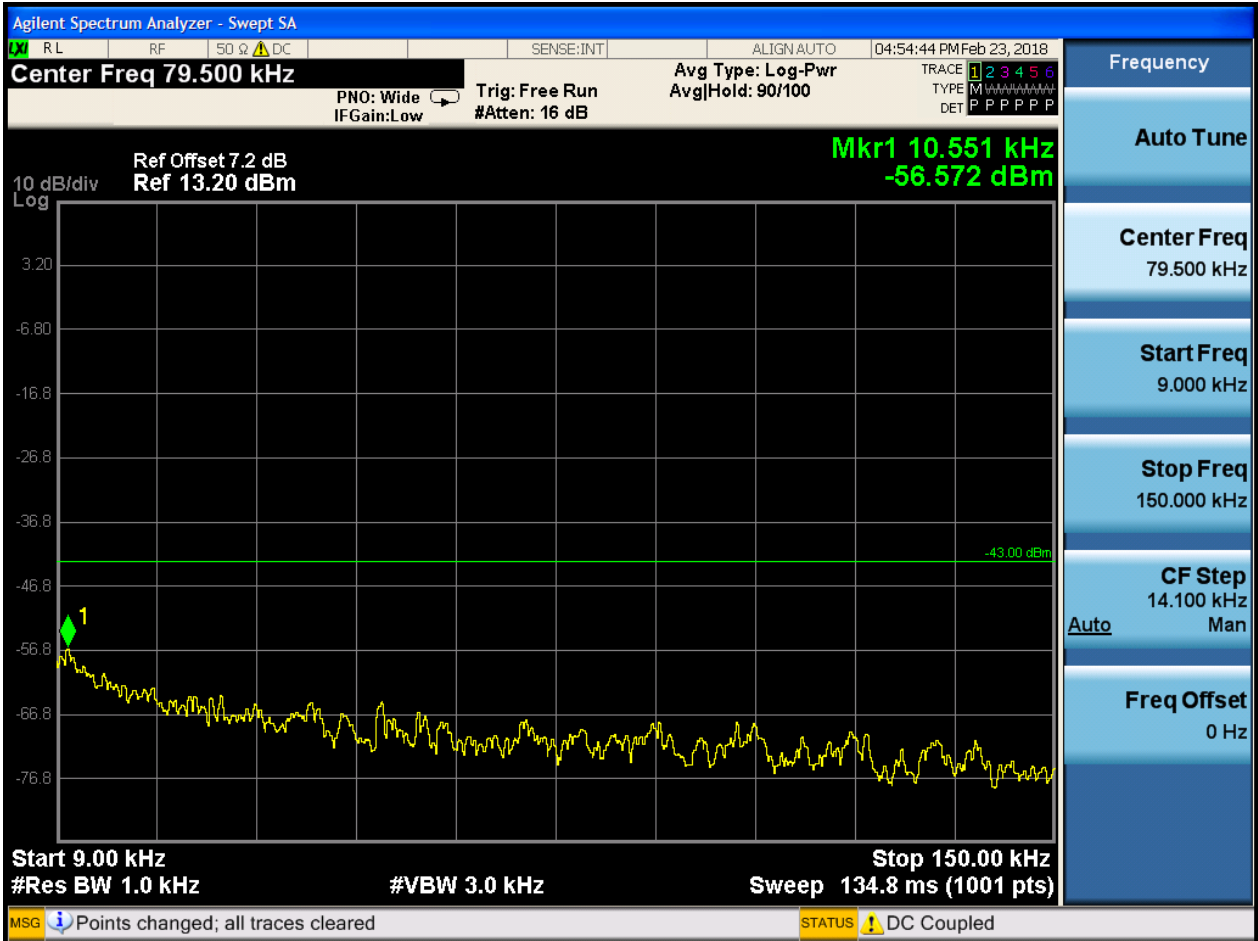




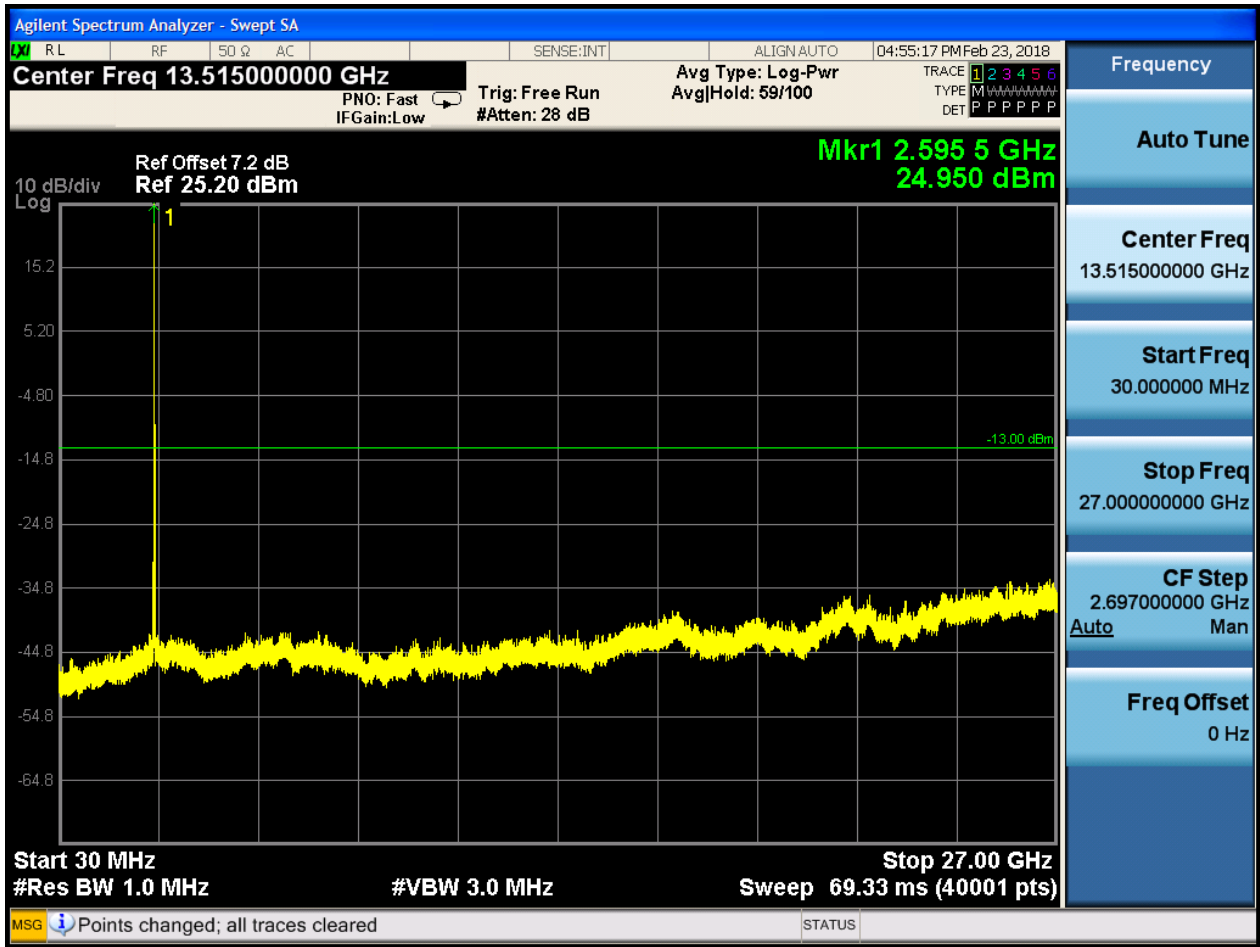


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



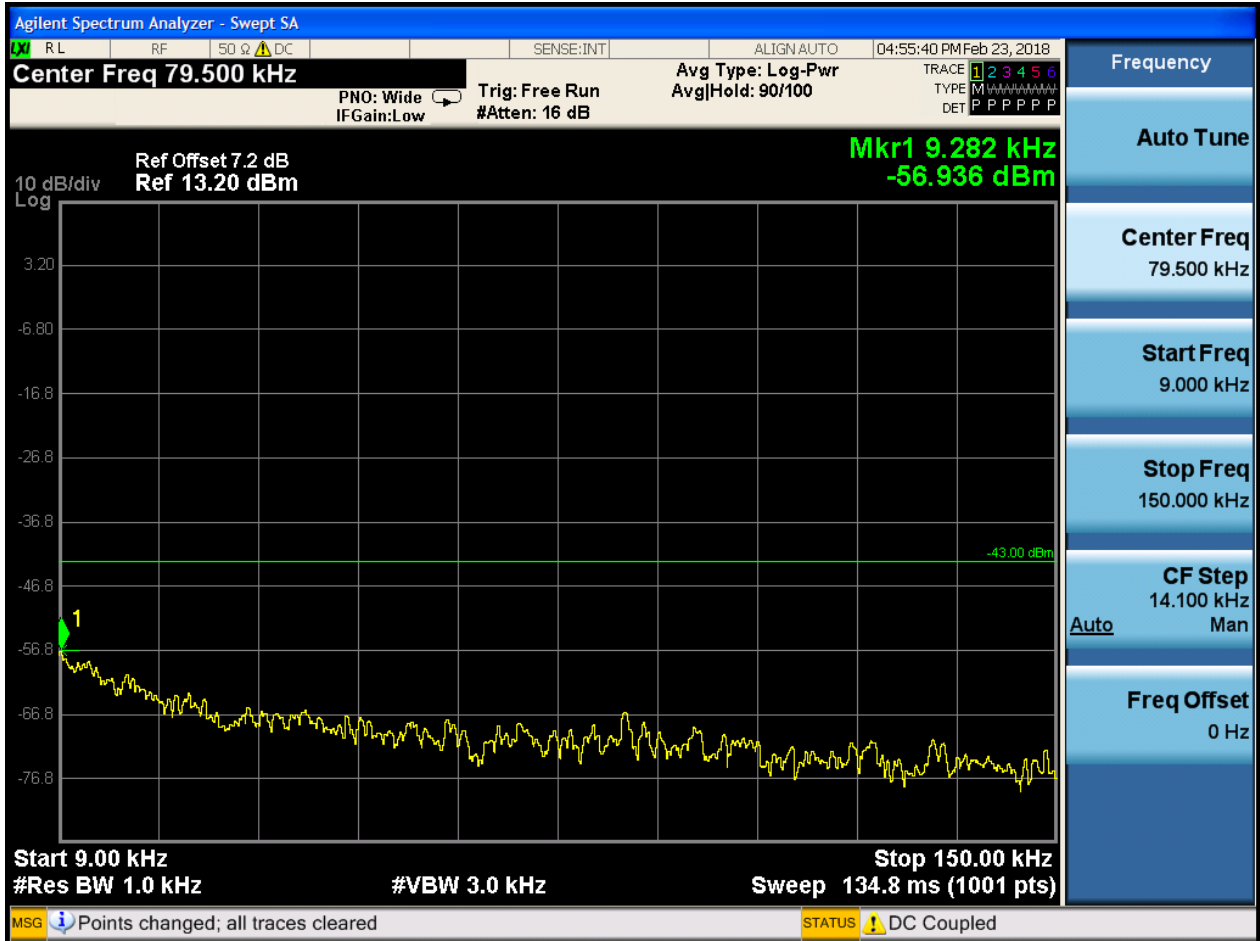






6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







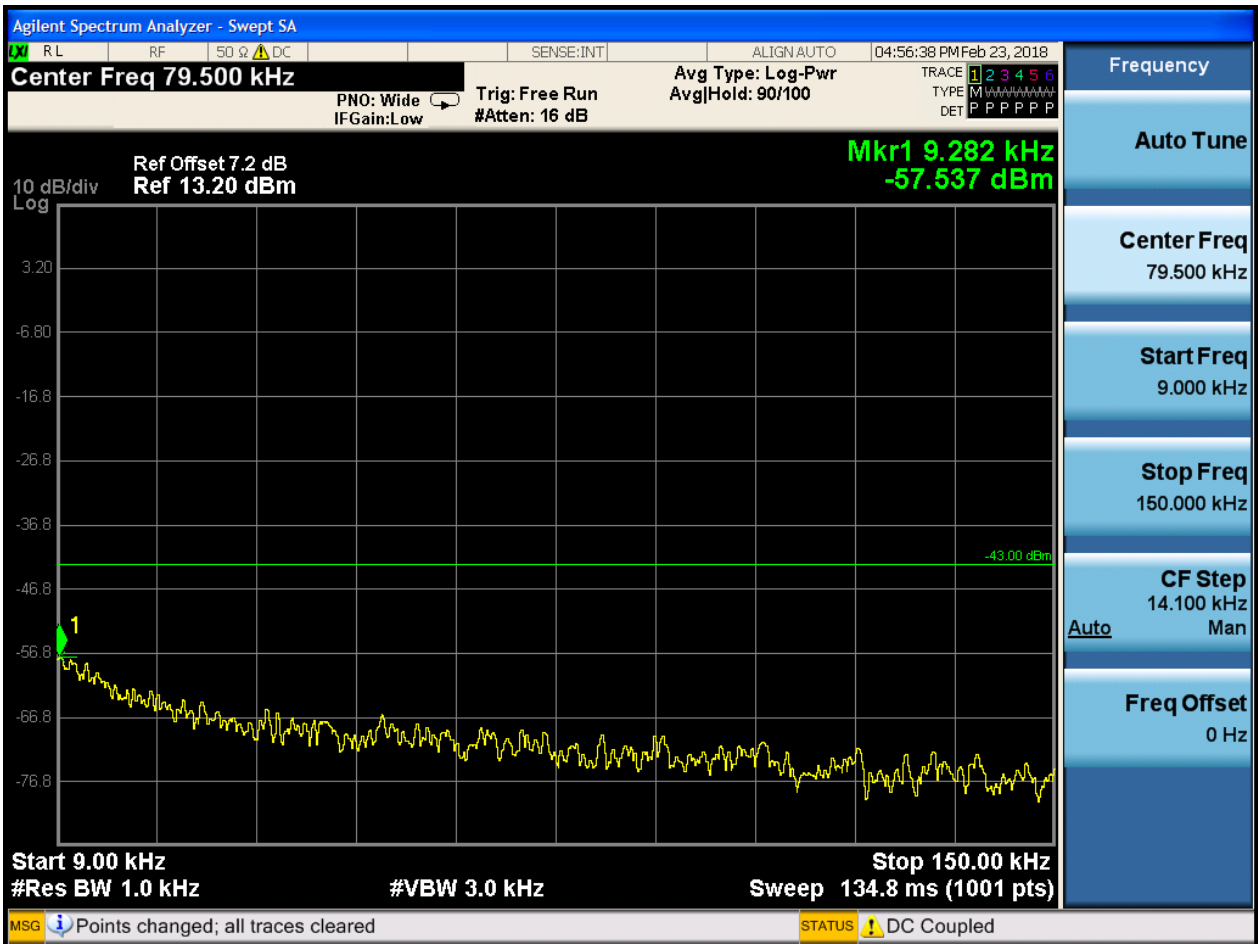




6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



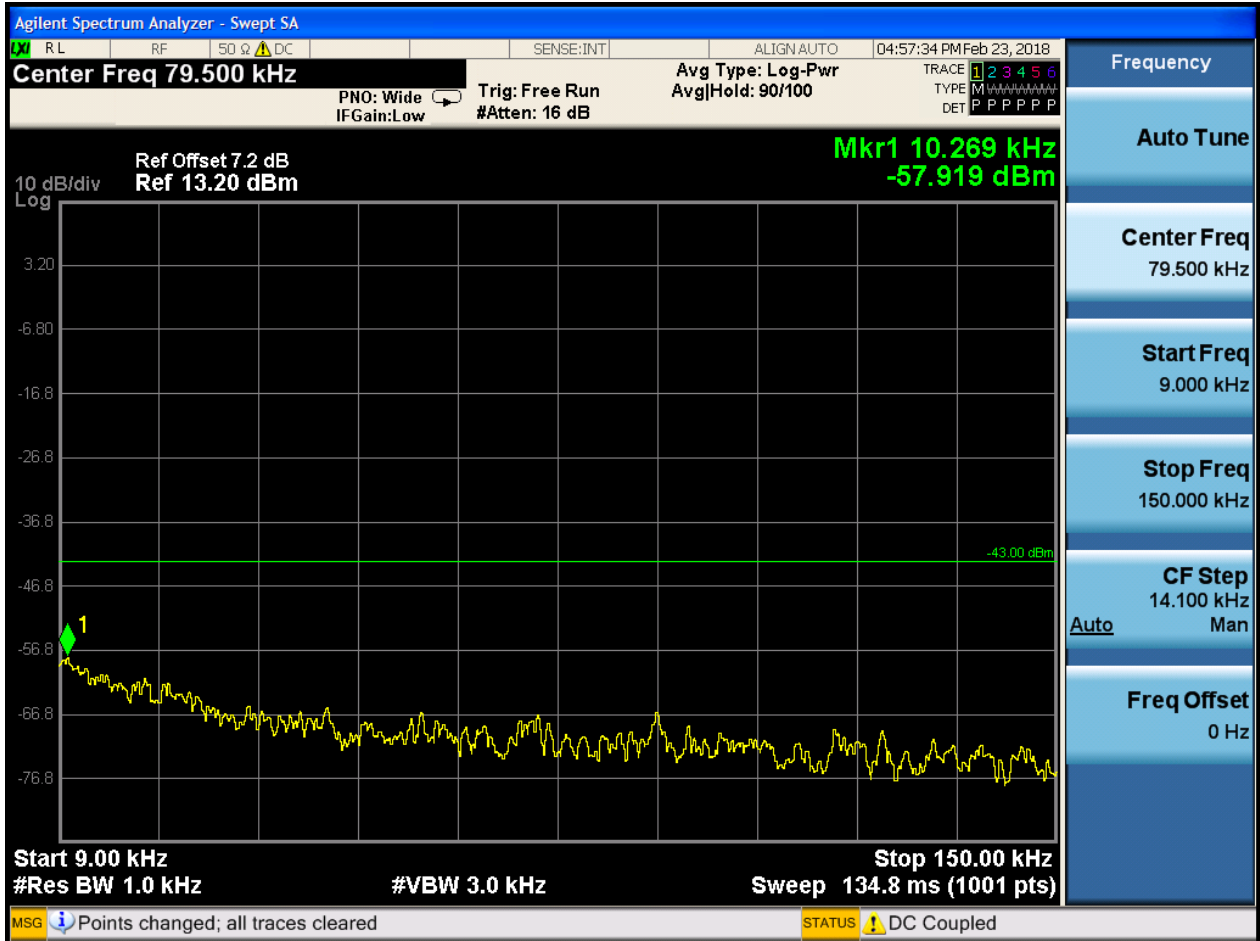


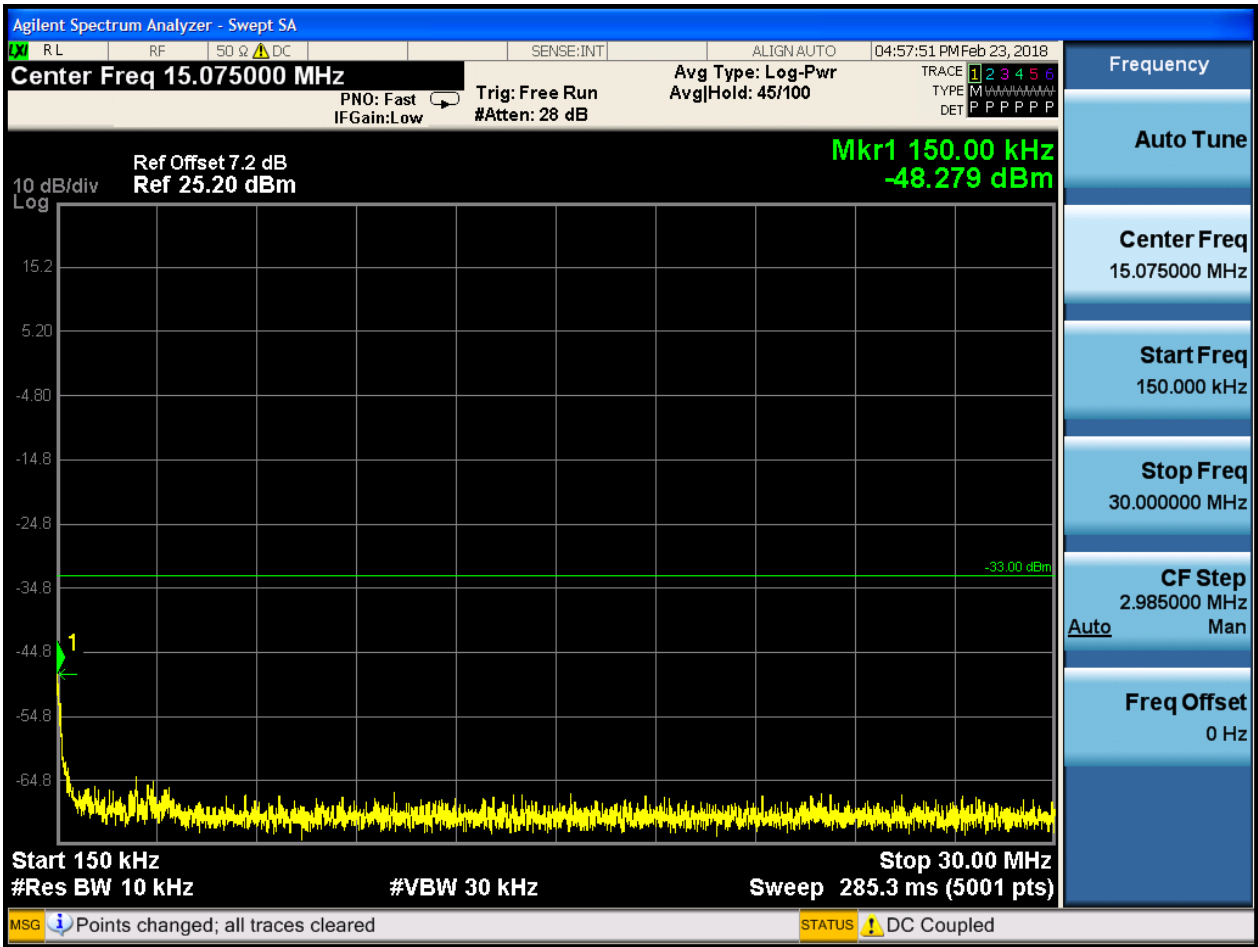




### 6.1.1.2.3.2 Test Channel = MCH

#### 6.1.1.2.3.2.1 Test RB = RB1#0





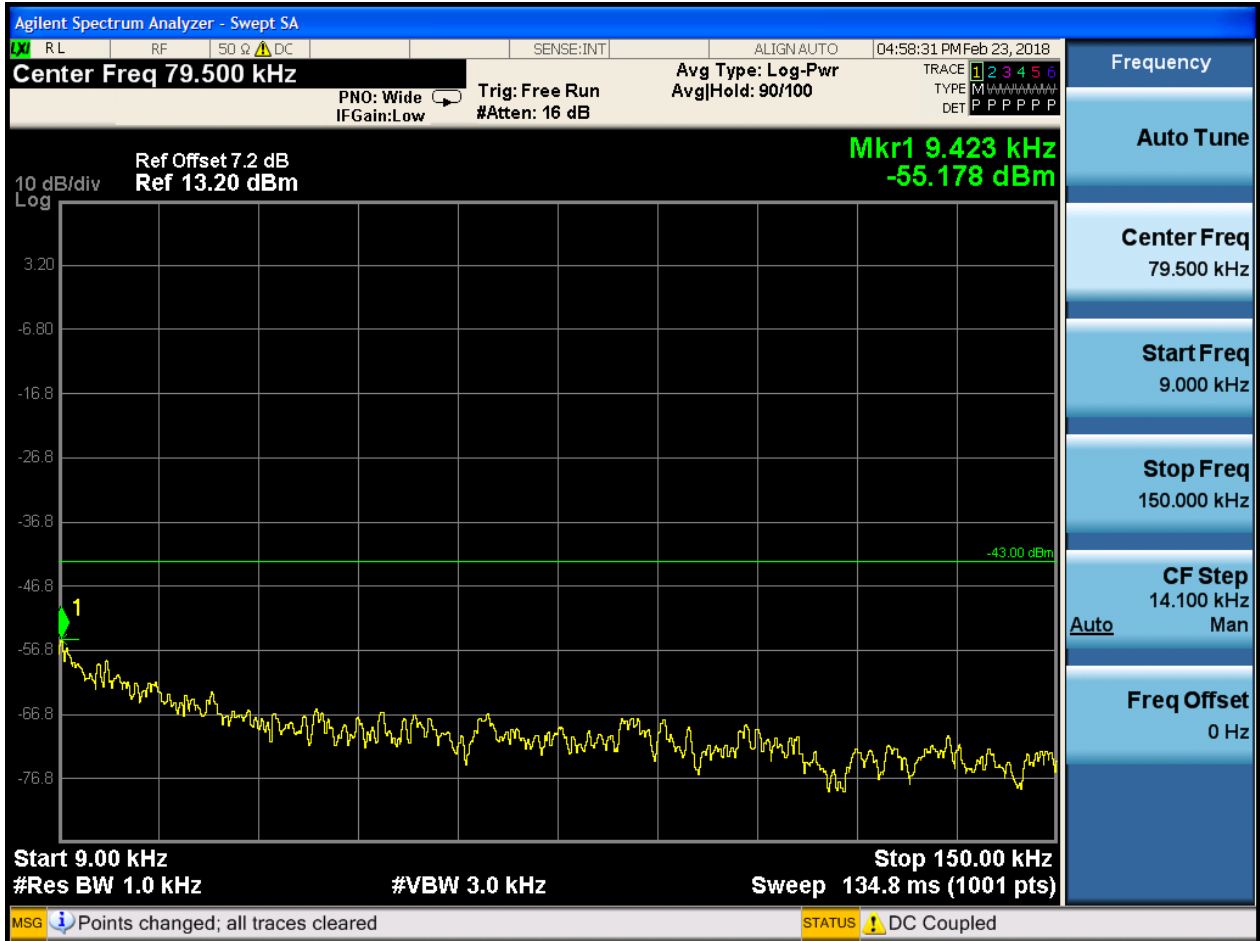






6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





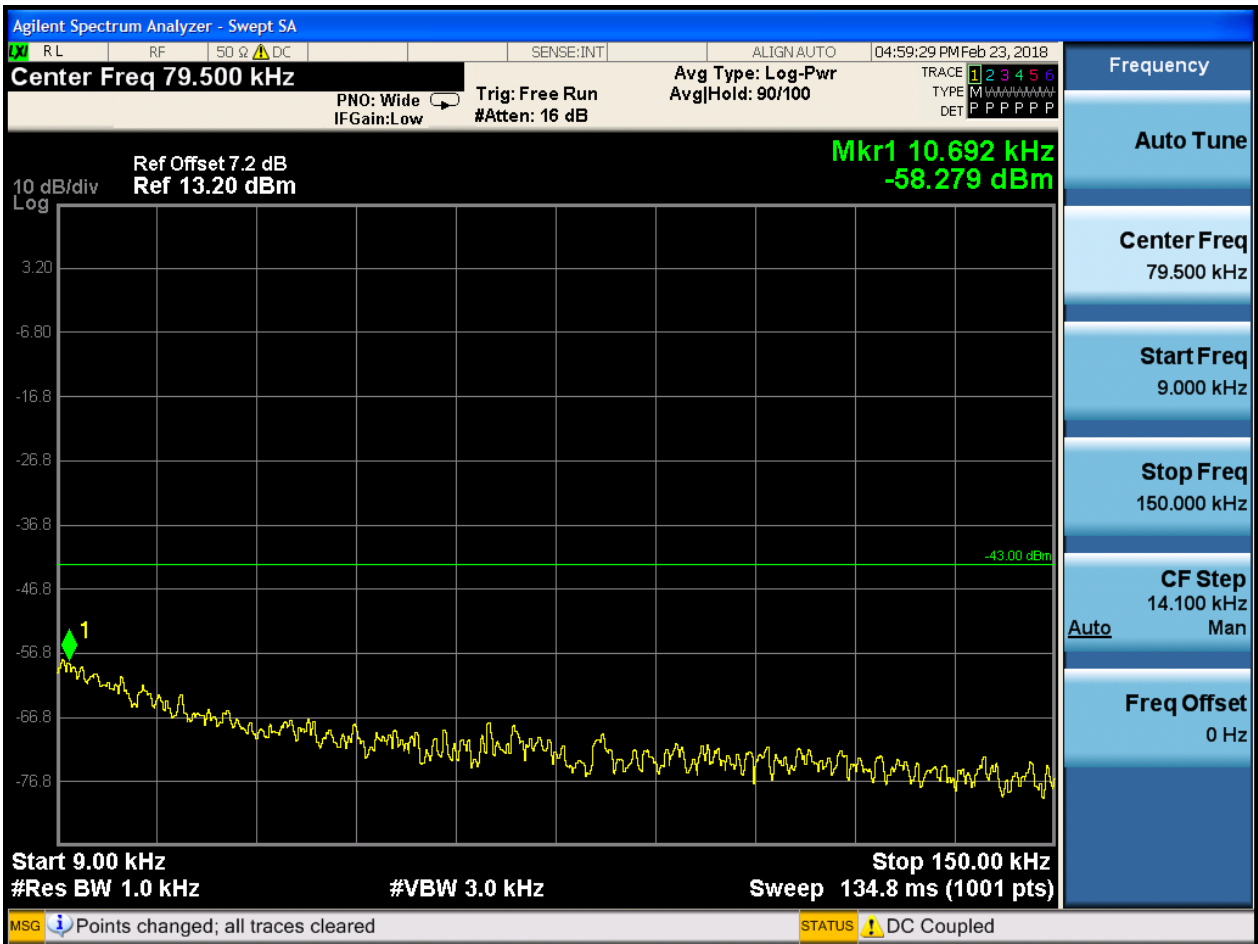


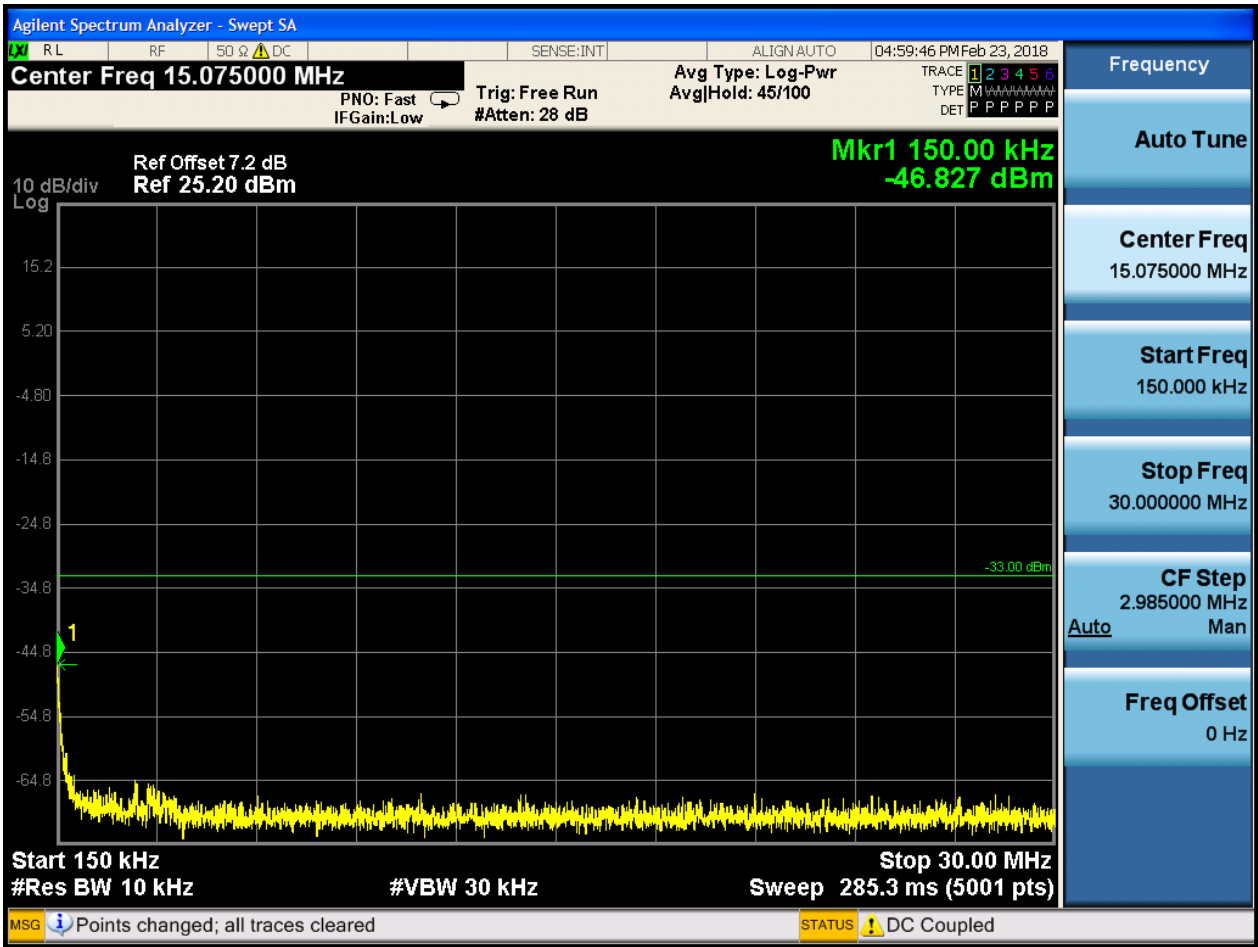


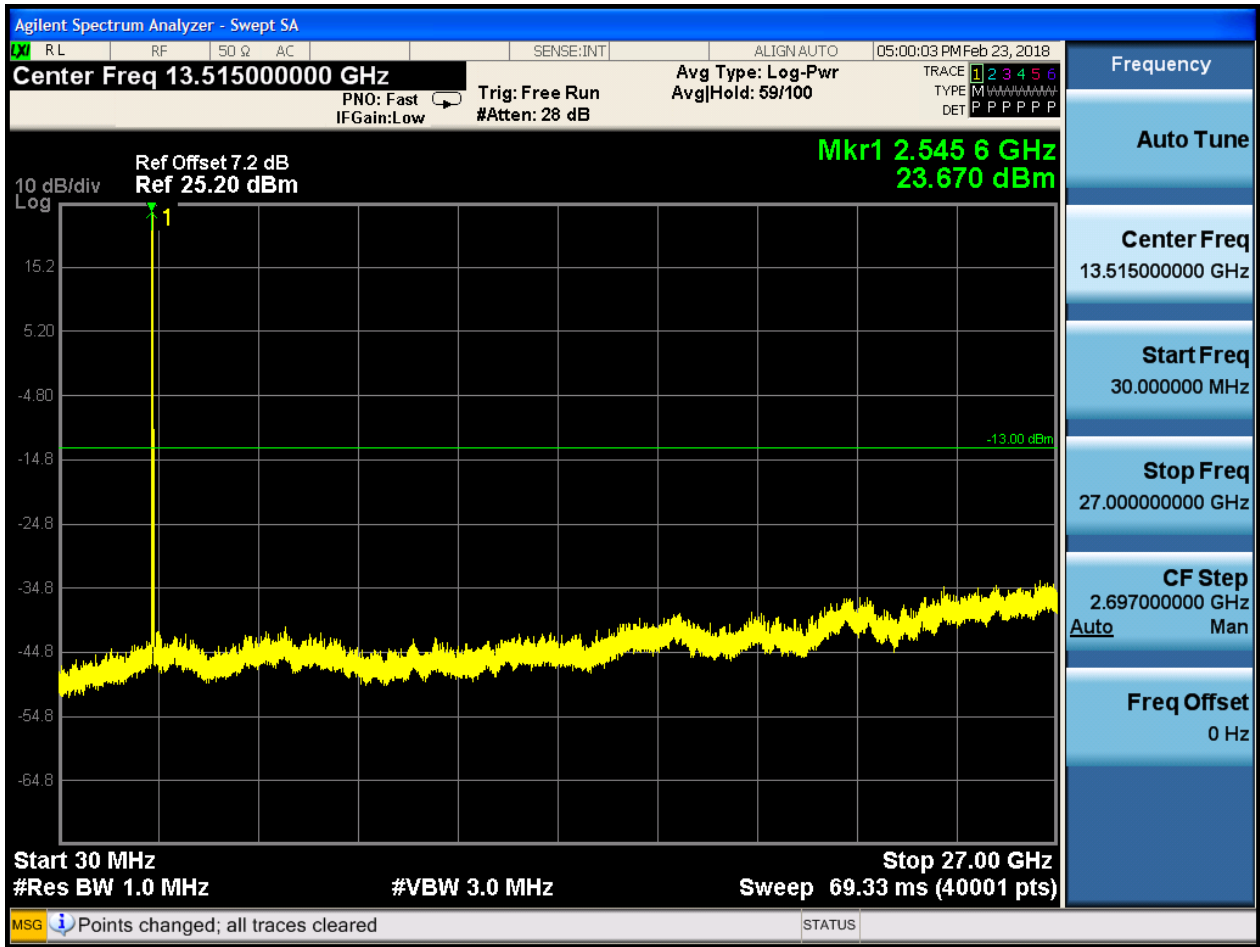
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



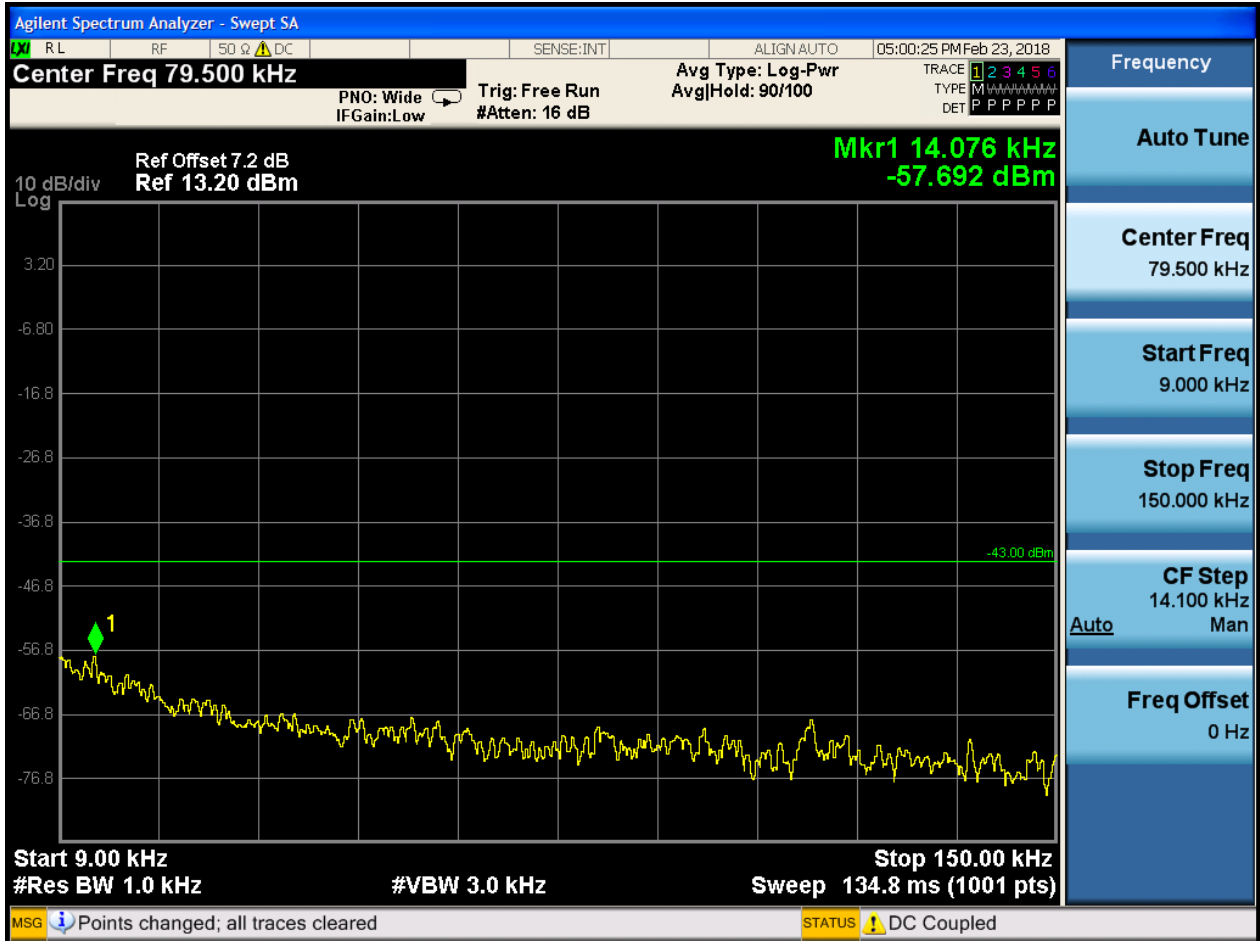


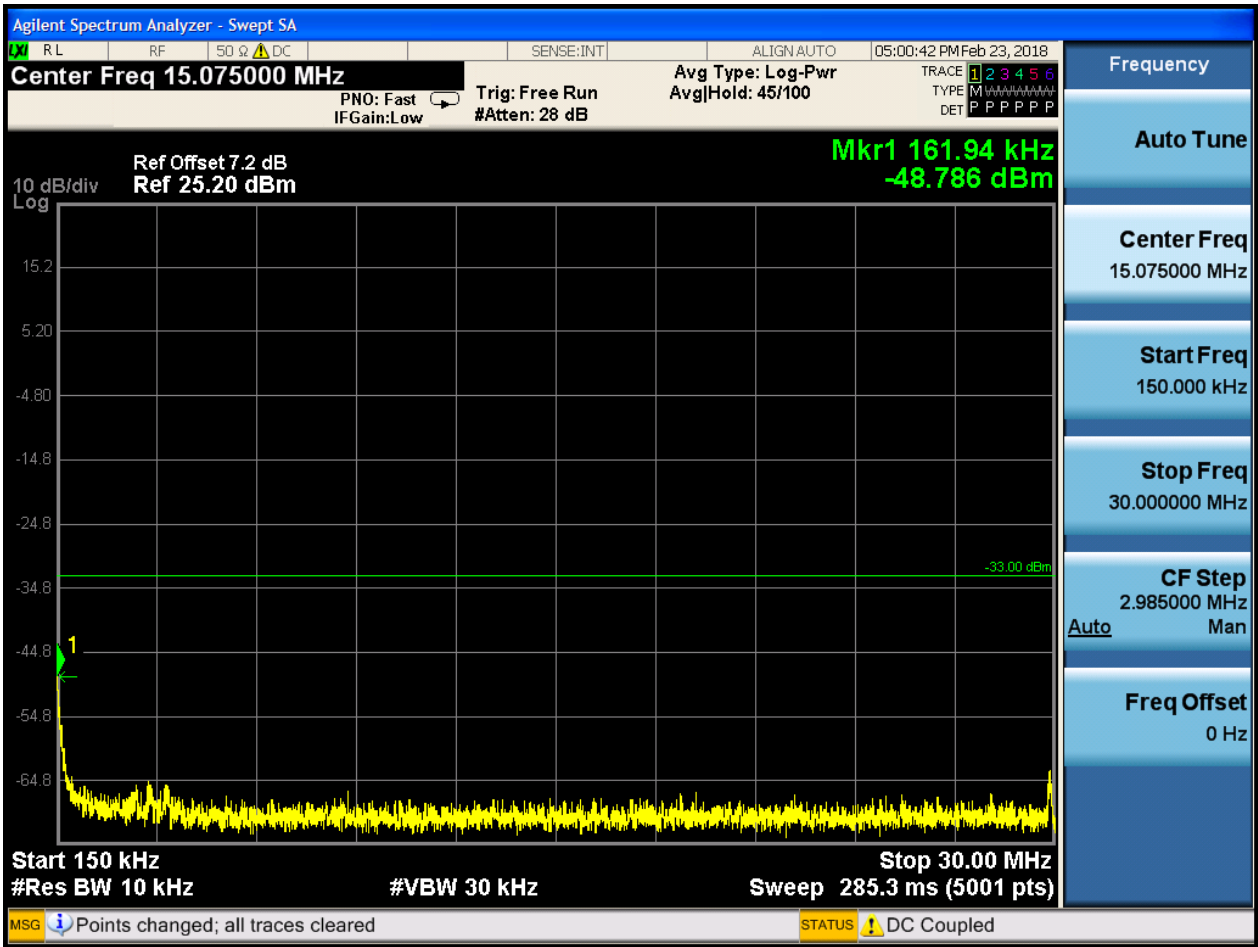




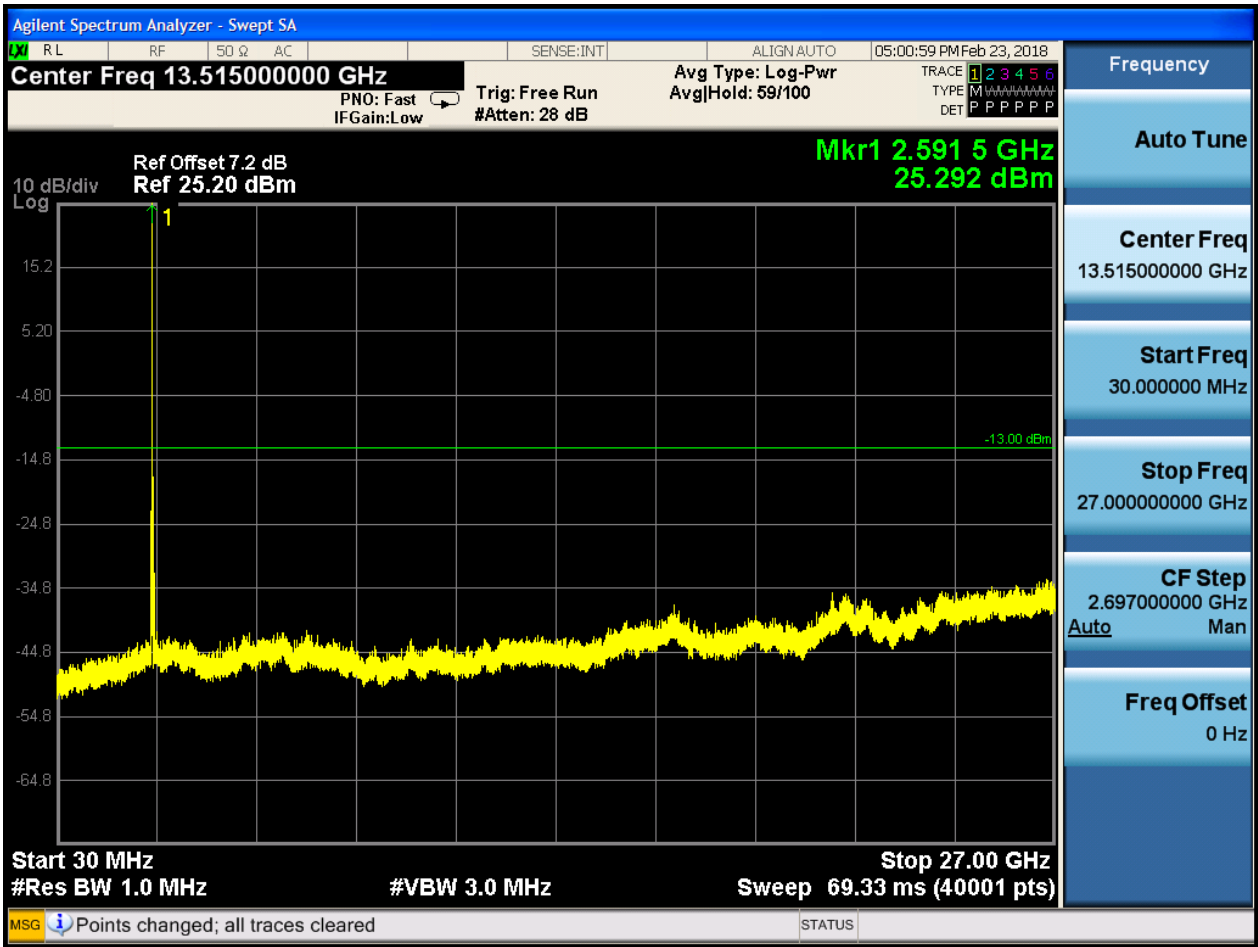
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





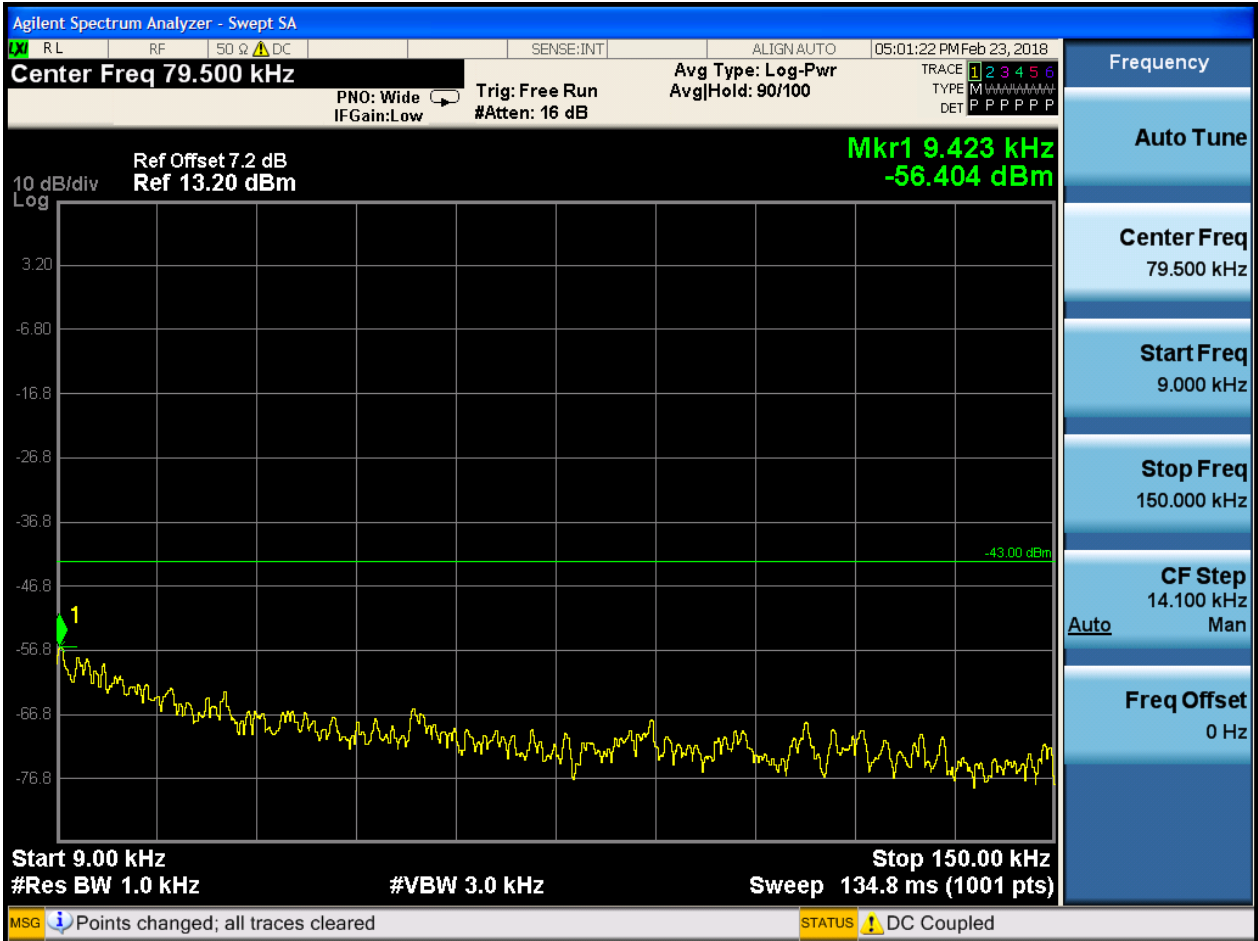


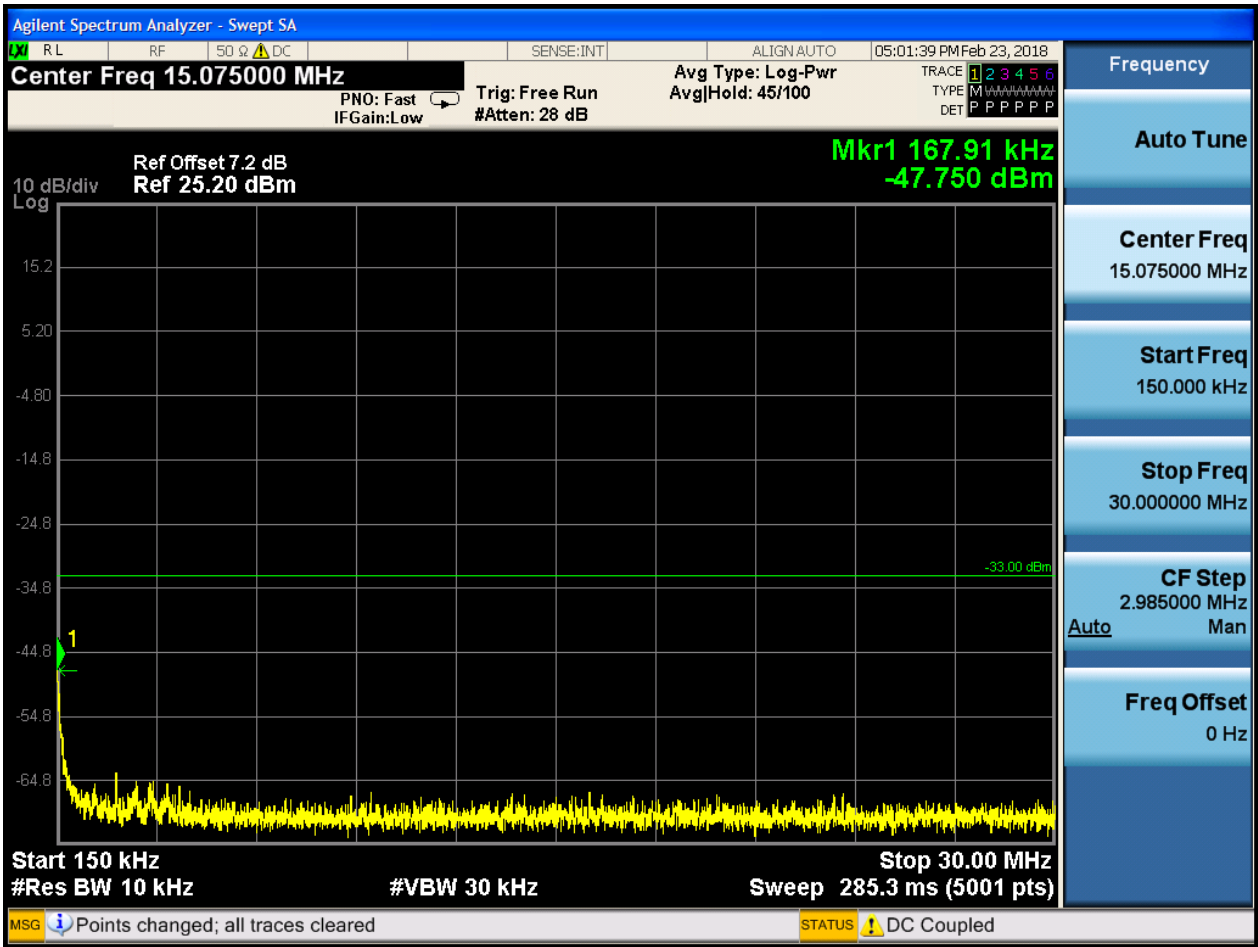




6.1.1.2.4.3 Test Channel = HCH

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

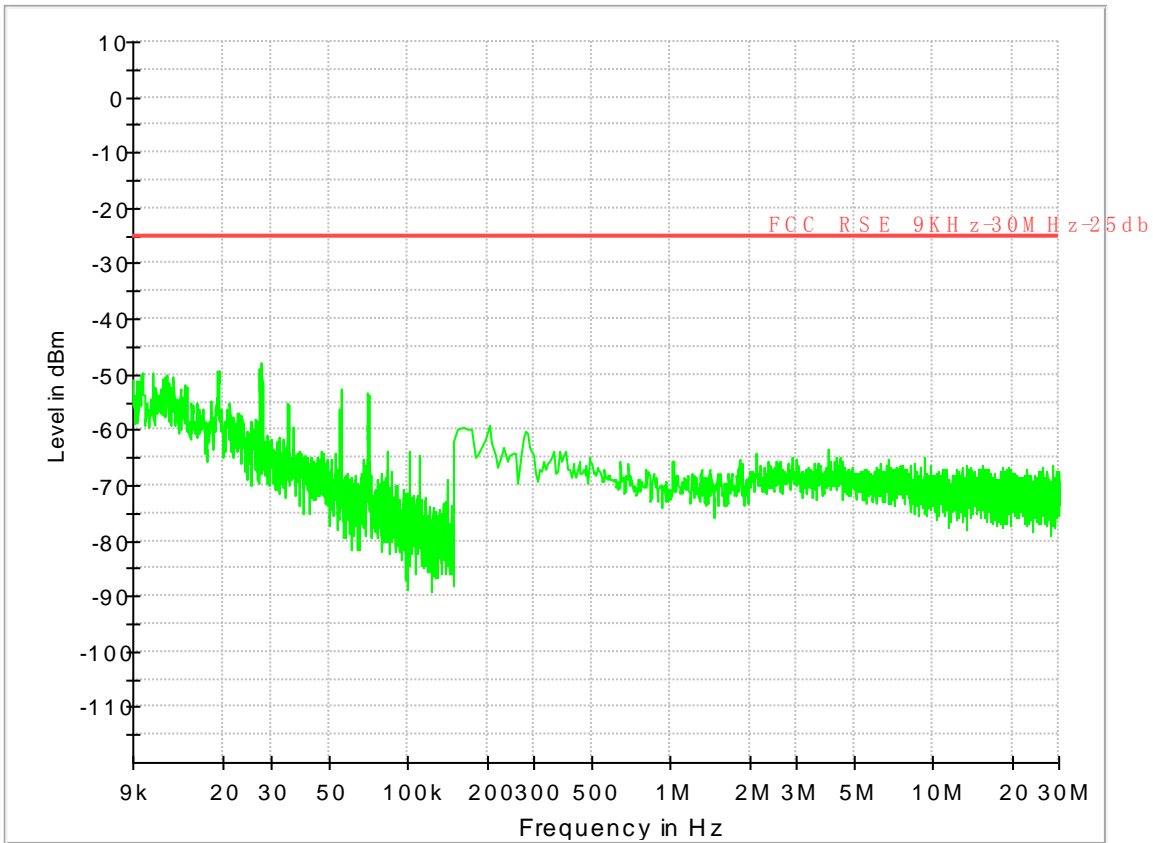
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

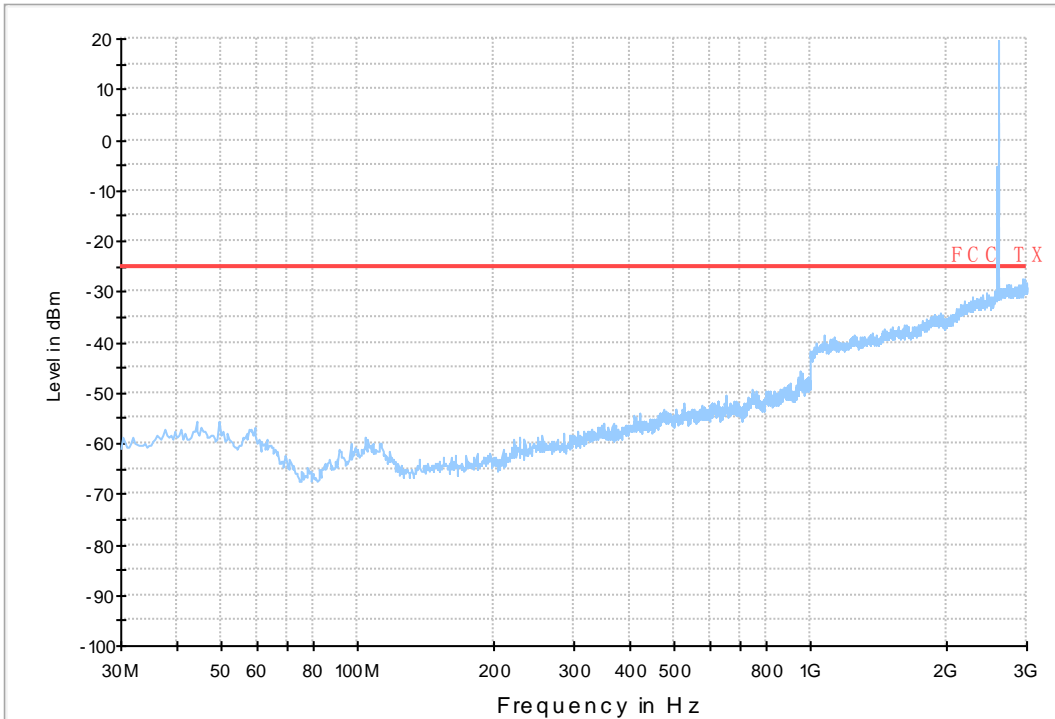
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND41\_ANT1

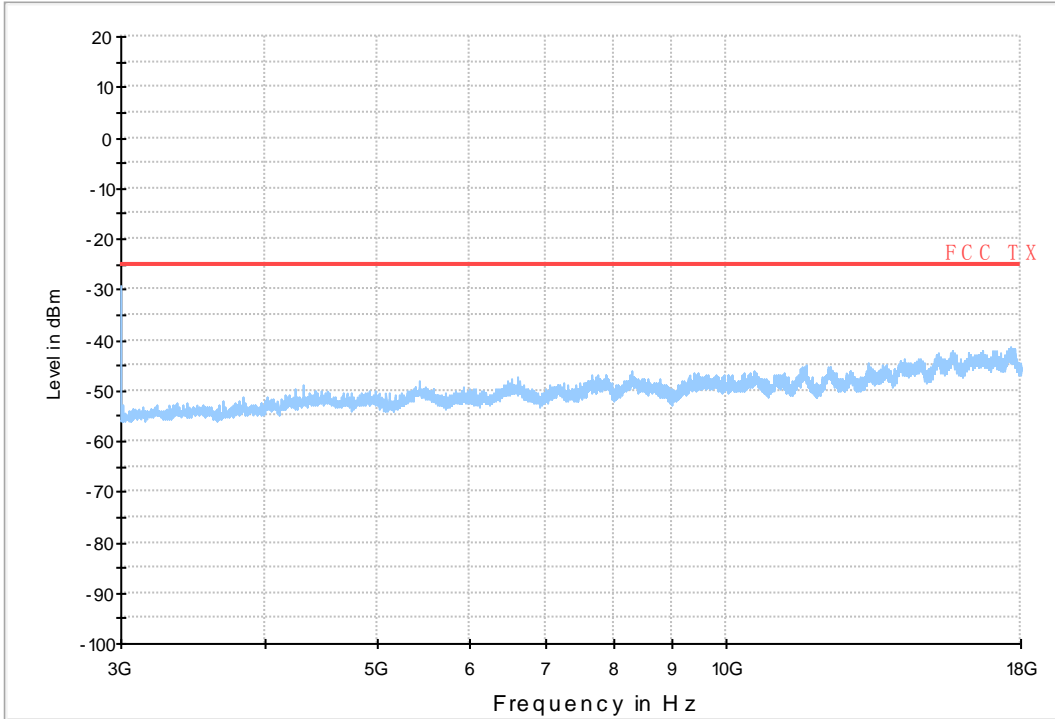
##### 7.1.1.1 Test Bandwidth = 5



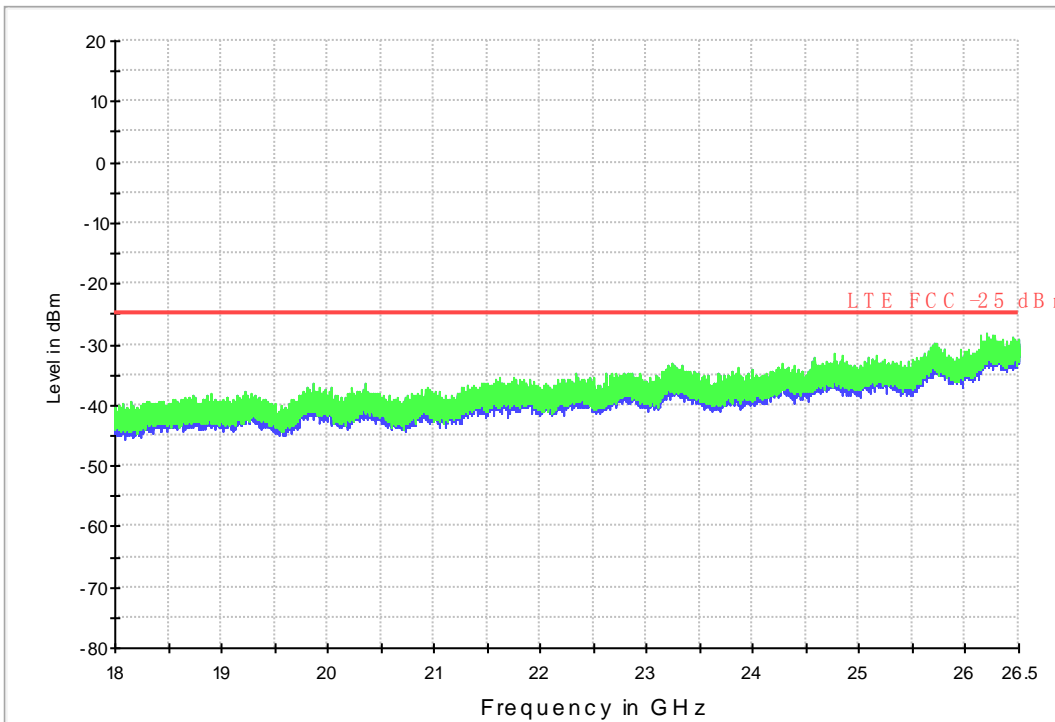
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



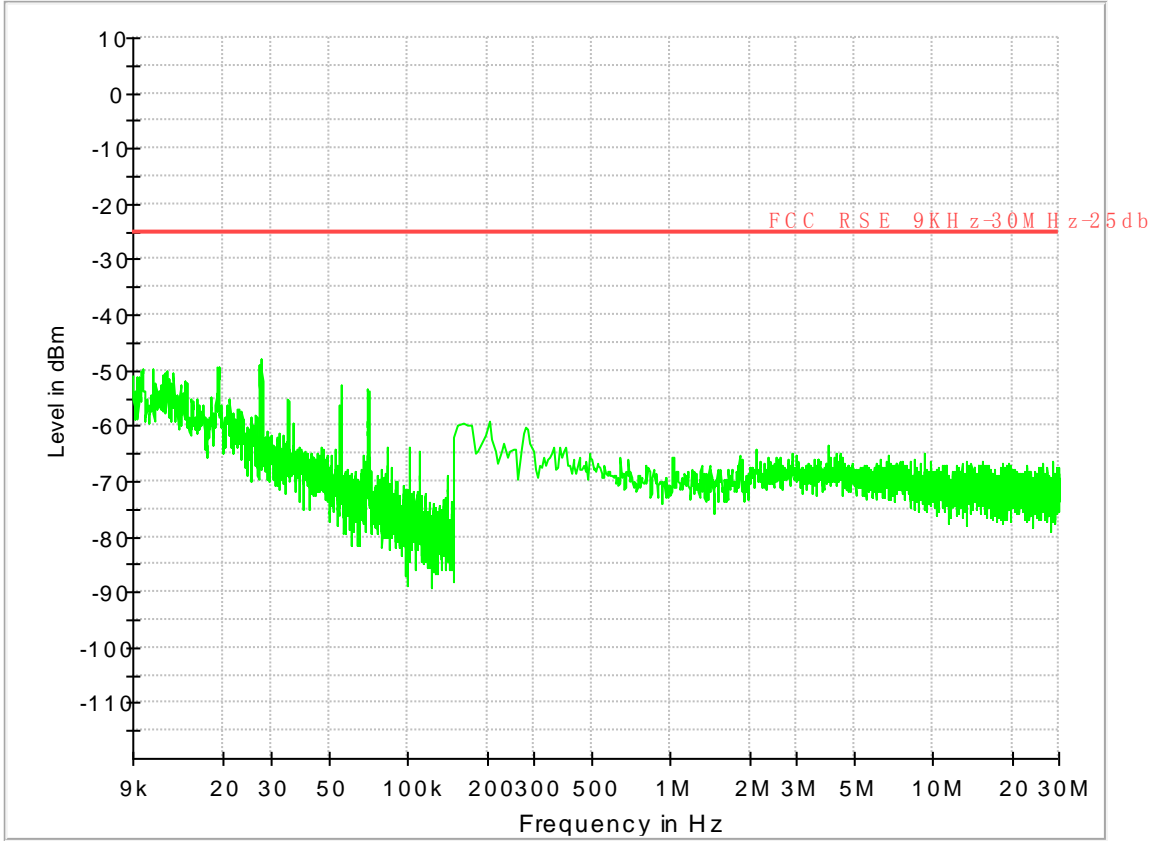
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H



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

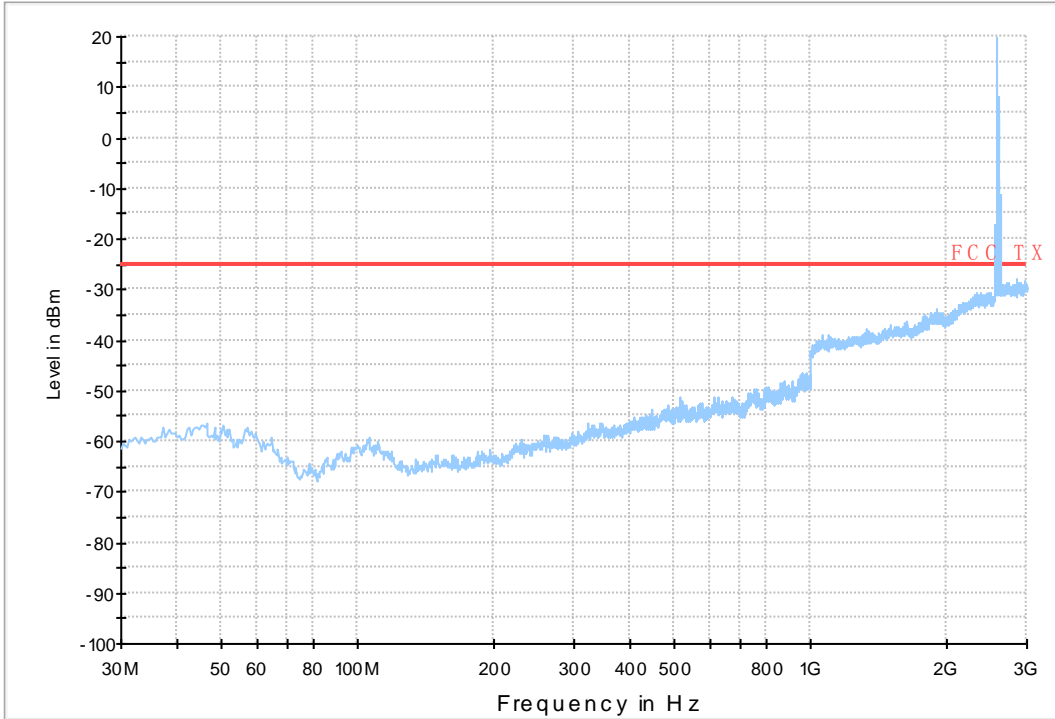


### 7.1.1.2 Test Bandwidth = 20

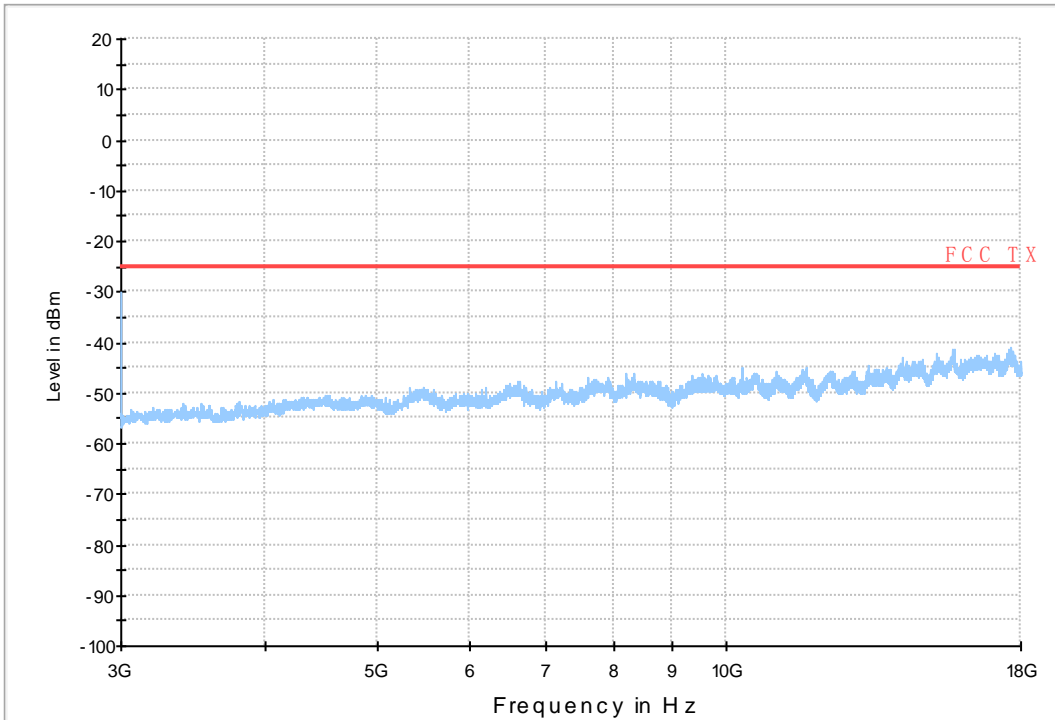




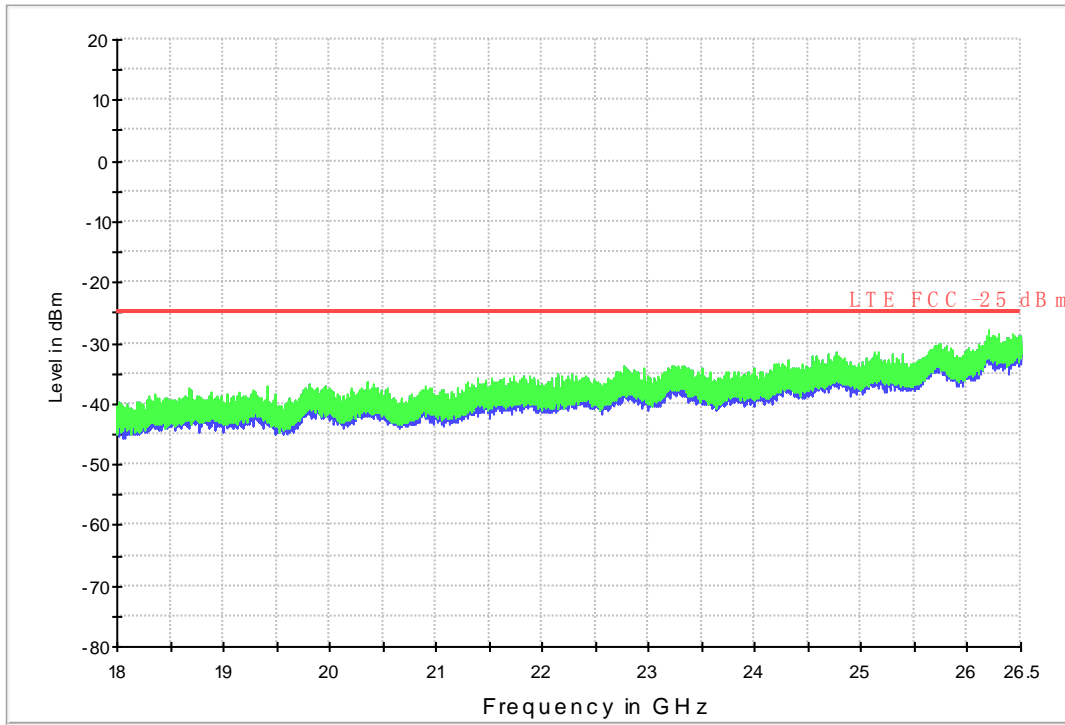
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



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

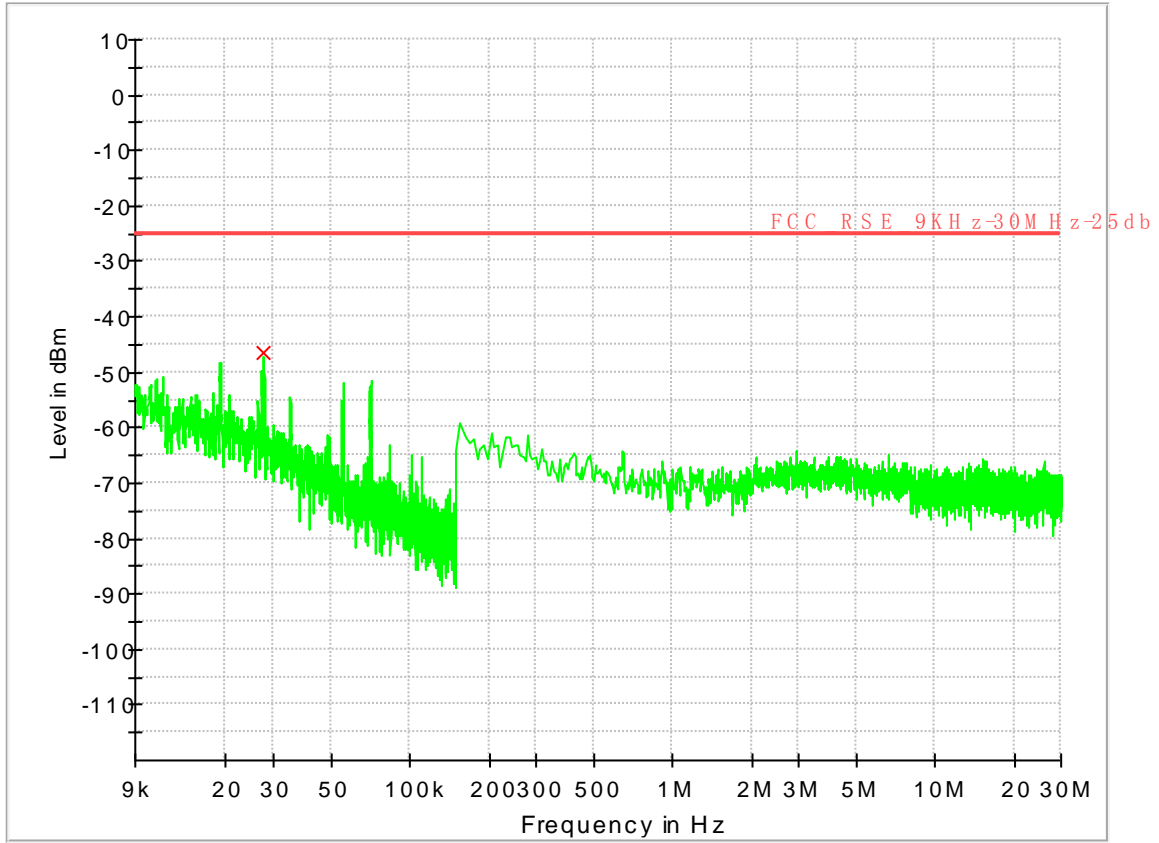


18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

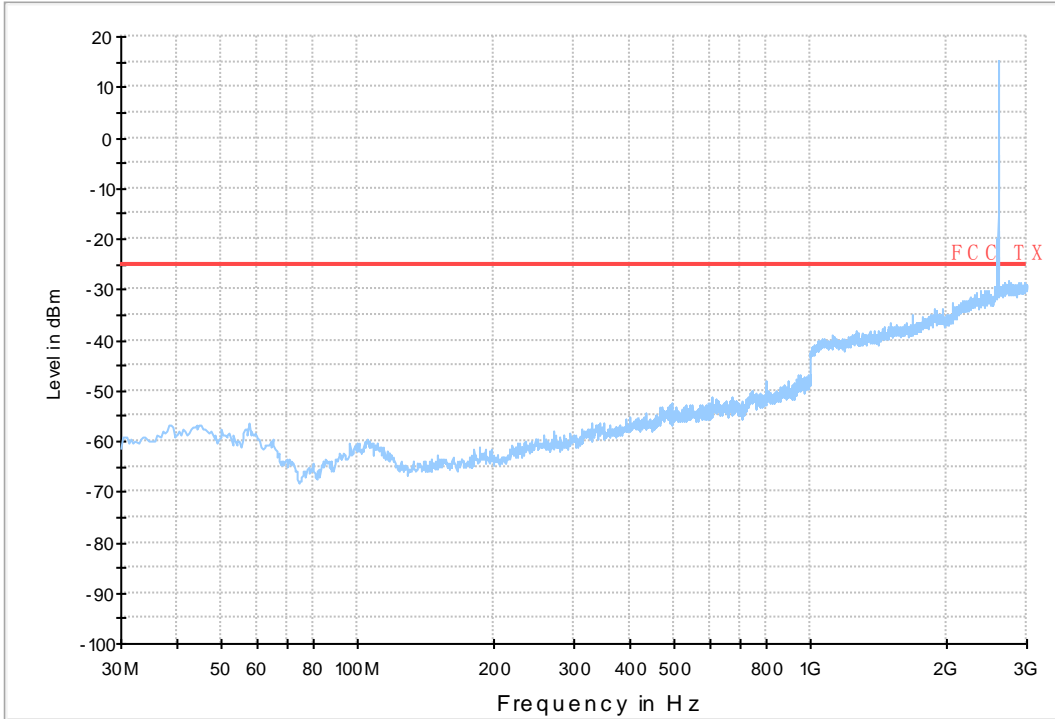


### 7.1.2 Test Band = BAND41\_ANT2

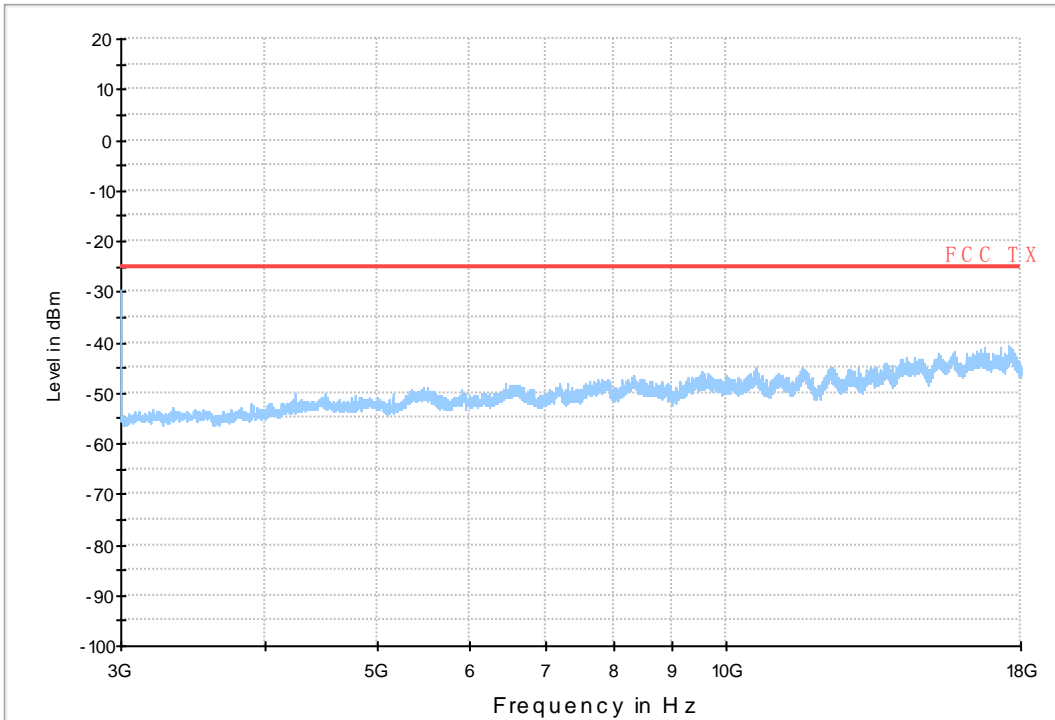
#### 7.1.2.1 Test Bandwidth = 5



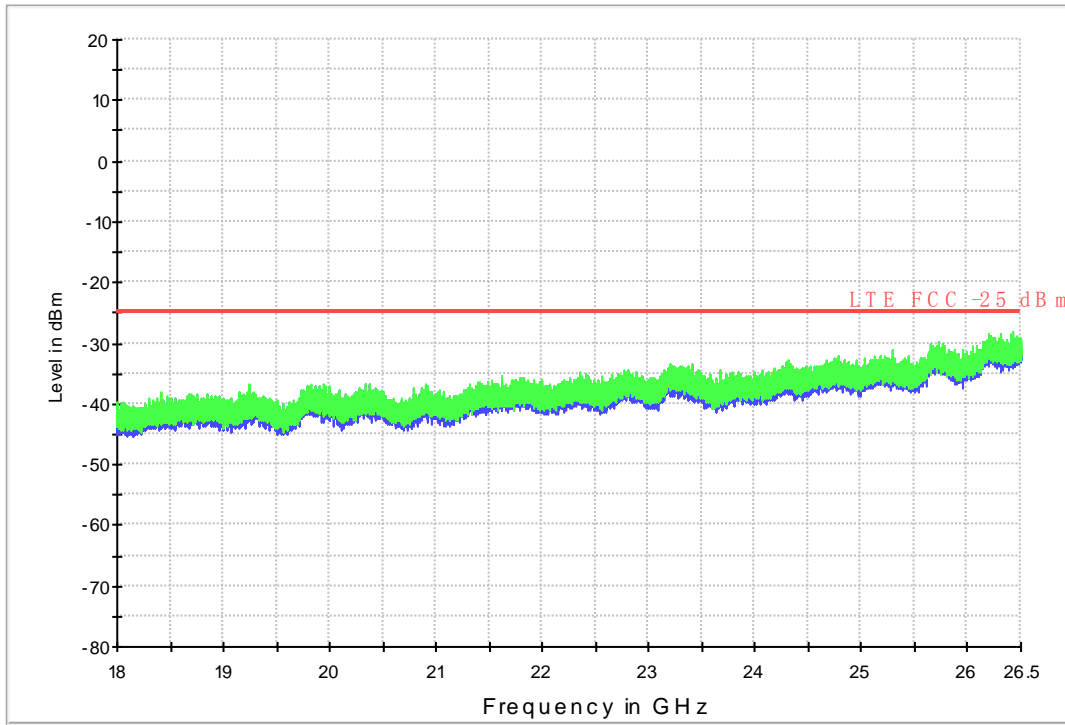
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



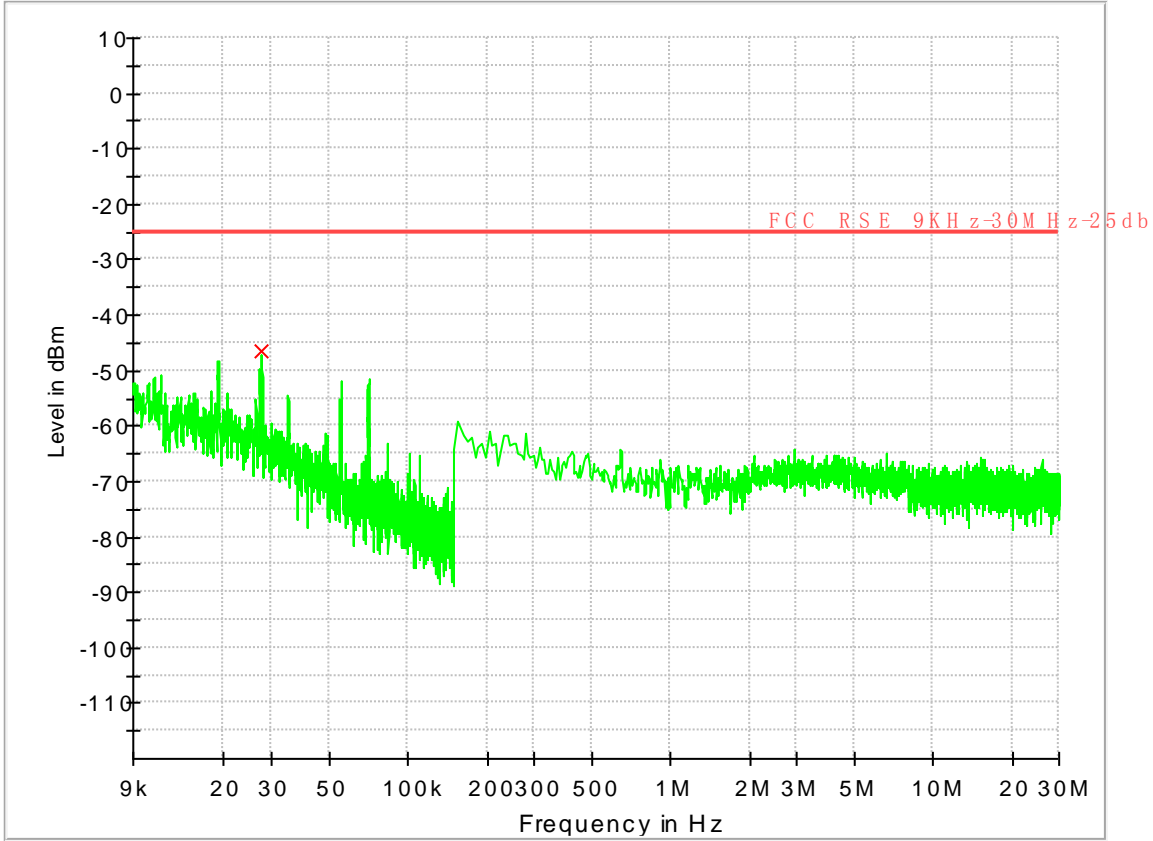
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_H



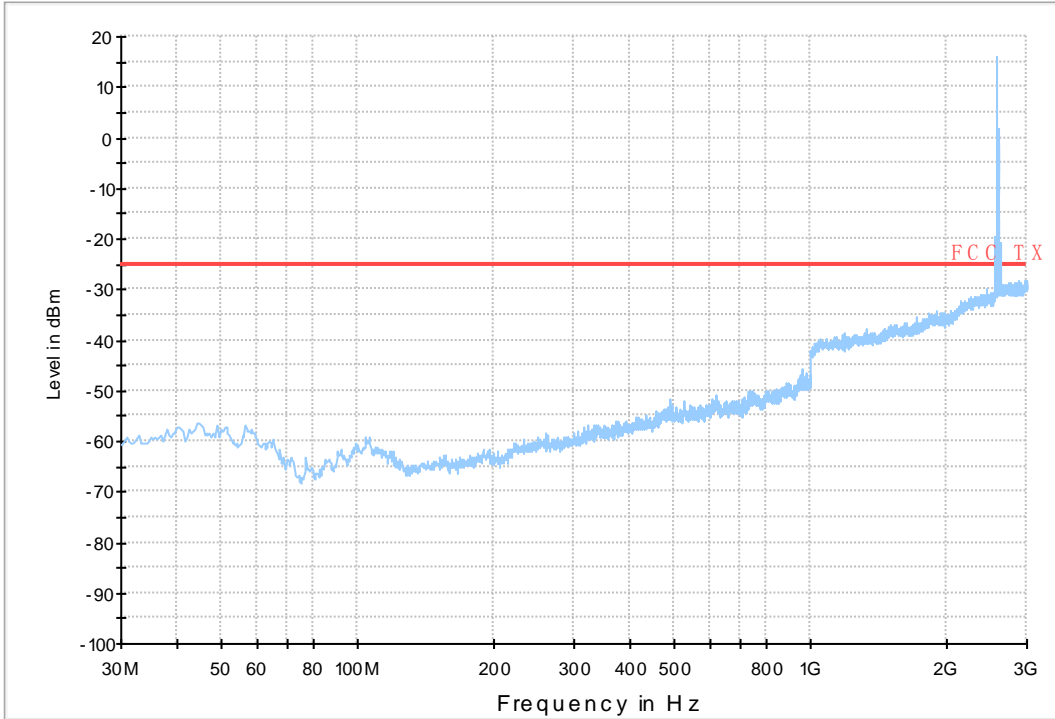
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



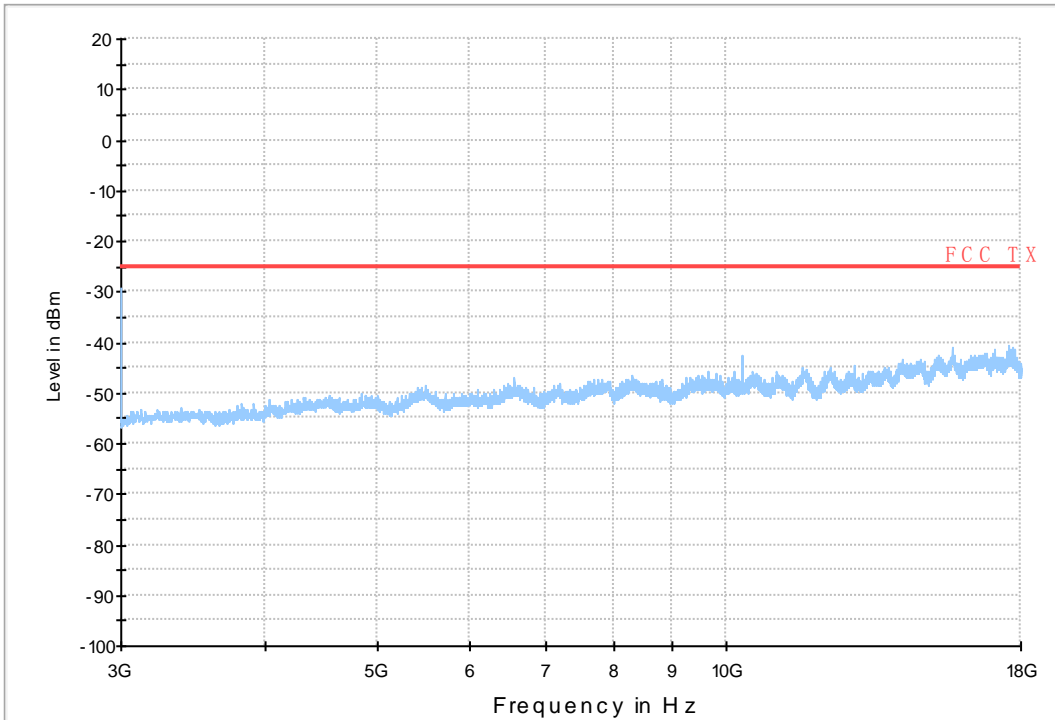
### 7.1.2.2 Test Bandwidth = 20



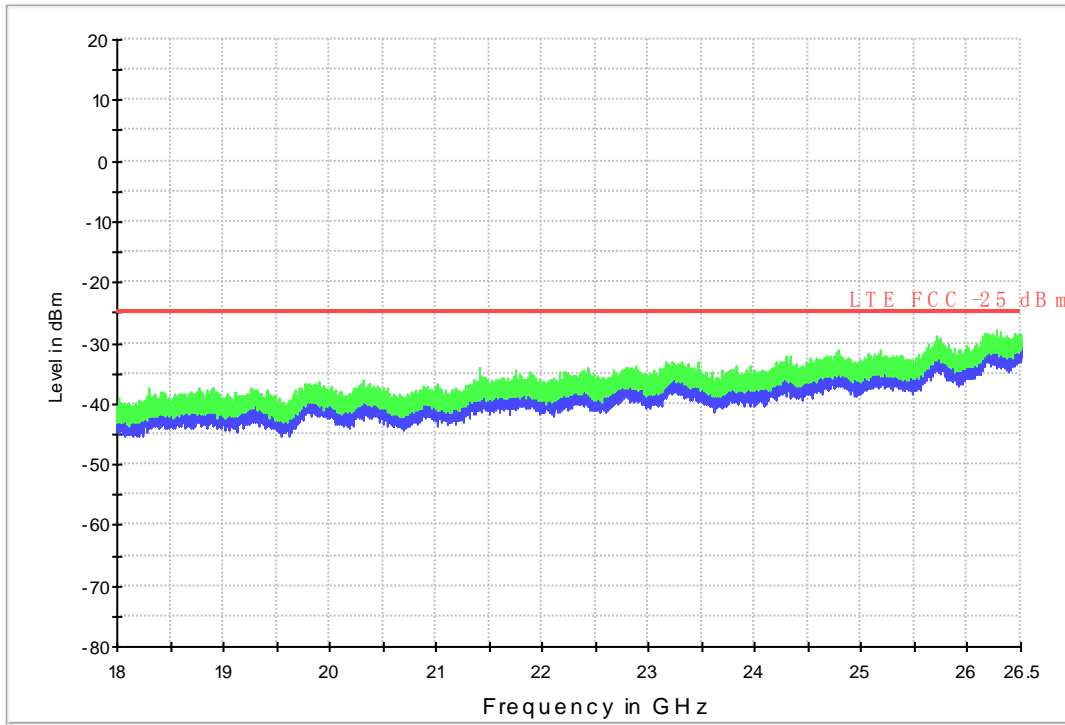
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25\_L



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
BAND41	LTE/TM1	5	LCH	TN	VL	1.54	0.0006	PASS
					VN	-1.34	-0.00053	PASS
					VH	0.64	0.00025	PASS
			MCH	TN	VL	-1.00	-0.00038	PASS
					VN	-1.27	-0.00049	PASS
					VH	-1.23	-0.00047	PASS
			HCH	TN	VL	-10.76	-0.00406	PASS
					VN	-10.47	-0.00395	PASS
					VH	-8.33	-0.00314	PASS
		10	LCH	TN	VL	4.02	0.00158	PASS
					VN	-12.59	-0.00494	PASS
					VH	-13.70	-0.00537	PASS
			MCH	TN	VL	-3.43	-0.00132	PASS
					VN	-3.09	-0.00119	PASS
					VH	-3.99	-0.00153	PASS
			HCH	TN	VL	-9.04	-0.00341	PASS
					VN	-6.34	-0.00239	PASS
					VH	-9.61	-0.00363	PASS
		15	LCH	TN	VL	0.76	0.0003	PASS
					VN	-0.77	-0.0003	PASS
					VH	2.26	0.00089	PASS
			MCH	TN	VL	-5.54	-0.00213	PASS
					VN	-3.40	-0.00131	PASS
					VH	-5.66	-0.00218	PASS
			HCH	TN	VL	-8.35	-0.00315	PASS
					VN	-7.45	-0.00281	PASS
					VH	-7.62	-0.00288	PASS
		20	LCH	TN	VL	1.34	0.00052	PASS
					VN	-0.30	-0.00012	PASS
					VH	0.70	0.00027	PASS
			MCH	TN	VL	-2.39	-0.00092	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	-1.39	-0.00053	PASS
					VH	-3.56	-0.00137	PASS
					VL	-10.80	-0.00408	PASS
			VN	-6.31	-0.00239	PASS		
			VH	-6.71	-0.00254	PASS		
			VL	-6.22	-0.00244	PASS		
		5	LCH	TN	VN	0.10	0.00004	PASS
					VH	-0.44	-0.00017	PASS
					VL	1.19	0.00046	PASS
			MCH	TN	VN	0.33	0.00013	PASS
					VH	-0.50	-0.00019	PASS
					VL	-10.71	-0.00404	PASS
	10	HCH	TN	VN	-8.57	-0.00323	PASS	
				VH	-6.92	-0.00261	PASS	
				VL	-8.77	-0.00344	PASS	
		LCH	TN	VN	0.86	0.00034	PASS	
				VH	-6.77	-0.00265	PASS	
				VL	-3.22	-0.00124	PASS	
	15	MCH	TN	VN	-0.51	-0.0002	PASS	
				VH	-3.39	-0.0013	PASS	
				VL	-7.65	-0.00289	PASS	
		HCH	TN	VN	-8.88	-0.00335	PASS	
				VH	-9.24	-0.00349	PASS	
				VL	-2.23	-0.00087	PASS	
	20	5	LCH	TN	VN	-1.39	-0.00054	PASS
					VH	0.63	0.00025	PASS
					VL	-1.70	-0.00065	PASS
			MCH	TN	VN	-4.76	-0.00183	PASS
					VH	-5.91	-0.00227	PASS
					VL	-8.50	-0.00321	PASS
		10	HCH	TN	VN	-7.51	-0.00284	PASS
					VH	-7.50	-0.00283	PASS
					VL	1.23	0.00048	PASS
			LCH	TN	VN	0.82	0.00032	PASS
					VH	-1.22	-0.00048	PASS
					VL	12.53	0.00482	PASS
	MCH	TN	VN	-12.56	-0.00483	PASS		
			VH	-5.11	-0.00197	PASS		
			VL	-6.84	-0.00259	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-5.78	-0.00219	PASS
					VH	-7.65	-0.00289	PASS

## 8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND41	LTE/TM1	5	LCH	VN	-30	-4.13	-0.00162	PASS
					-20	-3.16	-0.00124	PASS
					-10	-0.03	-0.00001	PASS
					0	-4.46	-0.00175	PASS
					10	-3.42	-0.00134	PASS
					20	-2.65	-0.00104	PASS
					30	-2.68	-0.00105	PASS
					40	-4.32	-0.0017	PASS
			50	-6.88	-0.0027	PASS		
			MCH	VN	-30	-4.23	-0.00163	PASS
					-20	-4.41	-0.0017	PASS
					-10	-2.27	-0.00087	PASS
					0	-4.52	-0.00174	PASS
					10	-8.31	-0.0032	PASS
					20	-3.88	-0.00149	PASS
					30	-0.13	-0.00005	PASS
		40			-4.81	-0.00185	PASS	
		HCH	VN	-30	-12.79	-0.00482	PASS	
				-20	-7.64	-0.00288	PASS	
				-10	-7.78	-0.00293	PASS	
				0	-8.05	-0.00303	PASS	
				10	-5.35	-0.00202	PASS	
				20	-7.14	-0.00269	PASS	
				30	-11.93	-0.0045	PASS	
				40	-6.57	-0.00248	PASS	
		10	LCH	VN	-30	-14.46	-0.00567	PASS
					-20	-10.59	-0.00415	PASS
					-10	-11.04	-0.00433	PASS
0	-11.12				-0.00436	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					10	-9.71	-0.00381	PASS	
					20	-37.51	-0.01471	PASS	
					30	-20.46	-0.00802	PASS	
					40	-9.80	-0.00384	PASS	
					50	-1.22	-0.00048	PASS	
			MCH	VN	-30	-1.40	-0.00054	PASS	
					-20	-4.49	-0.00173	PASS	
					-10	-3.32	-0.00128	PASS	
					0	-2.06	-0.00079	PASS	
					10	-2.49	-0.00096	PASS	
			HCH	VN	20	-14.88	-0.00572	PASS	
					30	-1.19	-0.00046	PASS	
					40	-4.31	-0.00166	PASS	
					50	-3.39	-0.0013	PASS	
					-30	-8.25	-0.00311	PASS	
			15	LCH	VN	-20	-5.98	-0.00226	PASS
						-10	-10.39	-0.00392	PASS
						0	-8.08	-0.00305	PASS
						10	-9.24	-0.00349	PASS
						20	-3.62	-0.00137	PASS
		30				-1.17	-0.00044	PASS	
		40				-1.30	-0.00049	PASS	
		50				-0.94	-0.00035	PASS	
		-30				3.13	0.00123	PASS	
		-20				0.66	0.00026	PASS	
		MCH		VN	-10	1.10	0.00043	PASS	
					0	-0.44	-0.00017	PASS	
					10	-2.52	-0.00099	PASS	
					20	-0.46	-0.00018	PASS	
					30	-2.06	-0.00081	PASS	
					40	-1.93	-0.00076	PASS	
					50	-0.96	-0.00038	PASS	
					-30	-7.60	-0.00292	PASS	
					-20	-5.84	-0.00225	PASS	
					-10	-14.61	-0.00562	PASS	
		0	-2.76	-0.00106	PASS				
		10	-9.84	-0.00378	PASS				
		20	-5.95	-0.00229	PASS				
		30	-3.66	-0.00141	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-6.78	-0.00261	PASS
					50	-2.73	-0.00105	PASS
					HCH	VN	-30	-7.61
			-20	-8.84			-0.00334	PASS
			-10	-6.48			-0.00245	PASS
			0	-5.69			-0.00215	PASS
			10	-5.78			-0.00218	PASS
			20	-5.51			-0.00208	PASS
			30	-4.63			-0.00175	PASS
			40	-1.09			-0.00041	PASS
			50	-1.90			-0.00072	PASS
			LCH	VN	-30	4.98	0.00195	PASS
					-20	1.44	0.00056	PASS
					-10	-0.59	-0.00023	PASS
					0	-0.96	-0.00038	PASS
		10			-2.82	-0.0011	PASS	
		20			-0.37	-0.00014	PASS	
		30			-2.88	-0.00113	PASS	
		40			-1.86	-0.00073	PASS	
		50			-2.93	-0.00115	PASS	
		MCH	VN	-30	-5.81	-0.00223	PASS	
				-20	-3.43	-0.00132	PASS	
				-10	-0.82	-0.00032	PASS	
				0	-2.89	-0.00111	PASS	
				10	0.49	0.00019	PASS	
				20	-8.67	-0.00333	PASS	
				30	-0.59	-0.00023	PASS	
				40	0.06	0.00002	PASS	
				50	-1.63	-0.00063	PASS	
		HCH	VN	-30	-5.08	-0.00192	PASS	
				-20	-9.93	-0.00375	PASS	
				-10	-5.11	-0.00193	PASS	
				0	-6.71	-0.00254	PASS	
10	-6.14			-0.00232	PASS			
20	-9.30			-0.00352	PASS			
30	-3.82			-0.00144	PASS			
40	-8.55			-0.00323	PASS			
50	-3.09			-0.00117	PASS			
LTE/TM2	5	LCH	VN	-30	-2.63	-0.00103	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		10			-20	1.43	0.00056	PASS	
					-10	0.94	0.00037	PASS	
					0	-0.26	-0.0001	PASS	
					10	2.33	0.00091	PASS	
					20	0.59	0.00023	PASS	
					30	1.36	0.00053	PASS	
					40	1.29	0.00051	PASS	
					50	-4.26	-0.00167	PASS	
			MCH	VN	-30	-1.79	-0.00069	PASS	
					-20	-2.33	-0.0009	PASS	
					-10	-3.40	-0.00131	PASS	
					0	-3.12	-0.0012	PASS	
					10	-5.54	-0.00213	PASS	
					20	-5.72	-0.0022	PASS	
					30	1.32	0.00051	PASS	
					40	-5.52	-0.00212	PASS	
			HCH	VN	-30	-10.13	-0.00382	PASS	
					-20	-7.02	-0.00265	PASS	
					-10	-6.92	-0.00261	PASS	
					0	-8.70	-0.00328	PASS	
					10	-4.51	-0.0017	PASS	
					20	-5.98	-0.00225	PASS	
					30	-9.58	-0.00361	PASS	
					40	-2.83	-0.00107	PASS	
			10	LCH	VN	-30	-15.16	-0.00595	PASS
						-20	-12.57	-0.00493	PASS
						-10	-5.08	-0.00199	PASS
						0	-2.16	-0.00085	PASS
		10				-10.94	-0.00429	PASS	
		20				-5.64	-0.00221	PASS	
		30				-4.22	-0.00165	PASS	
		40				-8.01	-0.00314	PASS	
		50		-12.46	-0.00489	PASS			
		MCH		VN	-30	2.22	0.00085	PASS	
					-20	-1.29	-0.0005	PASS	
					-10	-8.53	-0.00328	PASS	
			0		-2.98	-0.00115	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-15.76	-0.00606	PASS
					20	-4.18	-0.00161	PASS
					30	0.82	0.00032	PASS
					40	-2.86	-0.0011	PASS
					50	-0.89	-0.00034	PASS
			HCH	VN	-30	-10.37	-0.00391	PASS
					-20	-4.35	-0.00164	PASS
					-10	-4.71	-0.00178	PASS
					0	-6.37	-0.0024	PASS
					10	-3.18	-0.0012	PASS
					20	-8.93	-0.00337	PASS
					30	-2.69	-0.00102	PASS
					40	-6.57	-0.00248	PASS
					50	-4.62	-0.00174	PASS
					LCH	VN	-30	0.99
		-20	-0.60	-0.00024			PASS	
		-10	2.39	0.00094			PASS	
		0	-3.48	-0.00136			PASS	
		10	-3.65	-0.00143			PASS	
		20	-3.89	-0.00152			PASS	
		30	-1.04	-0.00041			PASS	
		40	-2.00	-0.00078			PASS	
		MCH	VN	50	-18.87	-0.00739	PASS	
				-30	-3.88	-0.00149	PASS	
				-20	-2.55	-0.00098	PASS	
				-10	-2.49	-0.00096	PASS	
				0	-1.43	-0.00055	PASS	
				10	-3.85	-0.00148	PASS	
				20	-2.56	-0.00098	PASS	
				30	-2.69	-0.00103	PASS	
		HCH	VN	40	3.38	0.0013	PASS	
				50	-0.06	-0.00002	PASS	
				-30	-9.06	-0.00342	PASS	
-20	-7.37			-0.00278	PASS			
-10	-9.81			-0.00371	PASS			
0	-7.31			-0.00276	PASS			
10	-5.99			-0.00226	PASS			
20	-7.20	-0.00272	PASS					
30	-2.98	-0.00113	PASS					
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Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-5.34	-0.00202	PASS
					50	-5.64	-0.00213	PASS
		20	LCH	VN	-30	3.33	0.0013	PASS
					-20	1.49	0.00058	PASS
					-10	0.63	0.00025	PASS
					0	-0.46	-0.00018	PASS
					10	2.09	0.00082	PASS
					20	-1.73	-0.00068	PASS
					30	-0.19	-0.00007	PASS
					40	-2.03	-0.00079	PASS
					50	-0.69	-0.00027	PASS
			MCH	VN	-30	-4.78	-0.00184	PASS
					-20	-4.38	-0.00168	PASS
					-10	-3.72	-0.00143	PASS
					0	-0.36	-0.00014	PASS
					10	-4.01	-0.00154	PASS
					20	-3.16	-0.00122	PASS
					30	1.44	0.00055	PASS
					40	-0.66	-0.00025	PASS
					50	0.11	0.00004	PASS
		HCH	VN	-30	-8.13	-0.00307	PASS	
				-20	-5.94	-0.00225	PASS	
				-10	-4.99	-0.00189	PASS	
				0	-5.49	-0.00208	PASS	
				10	-6.94	-0.00262	PASS	
				20	-3.71	-0.0014	PASS	
				30	-1.34	-0.00051	PASS	
				40	0.19	0.00007	PASS	
				50	-3.82	-0.00144	PASS	

END