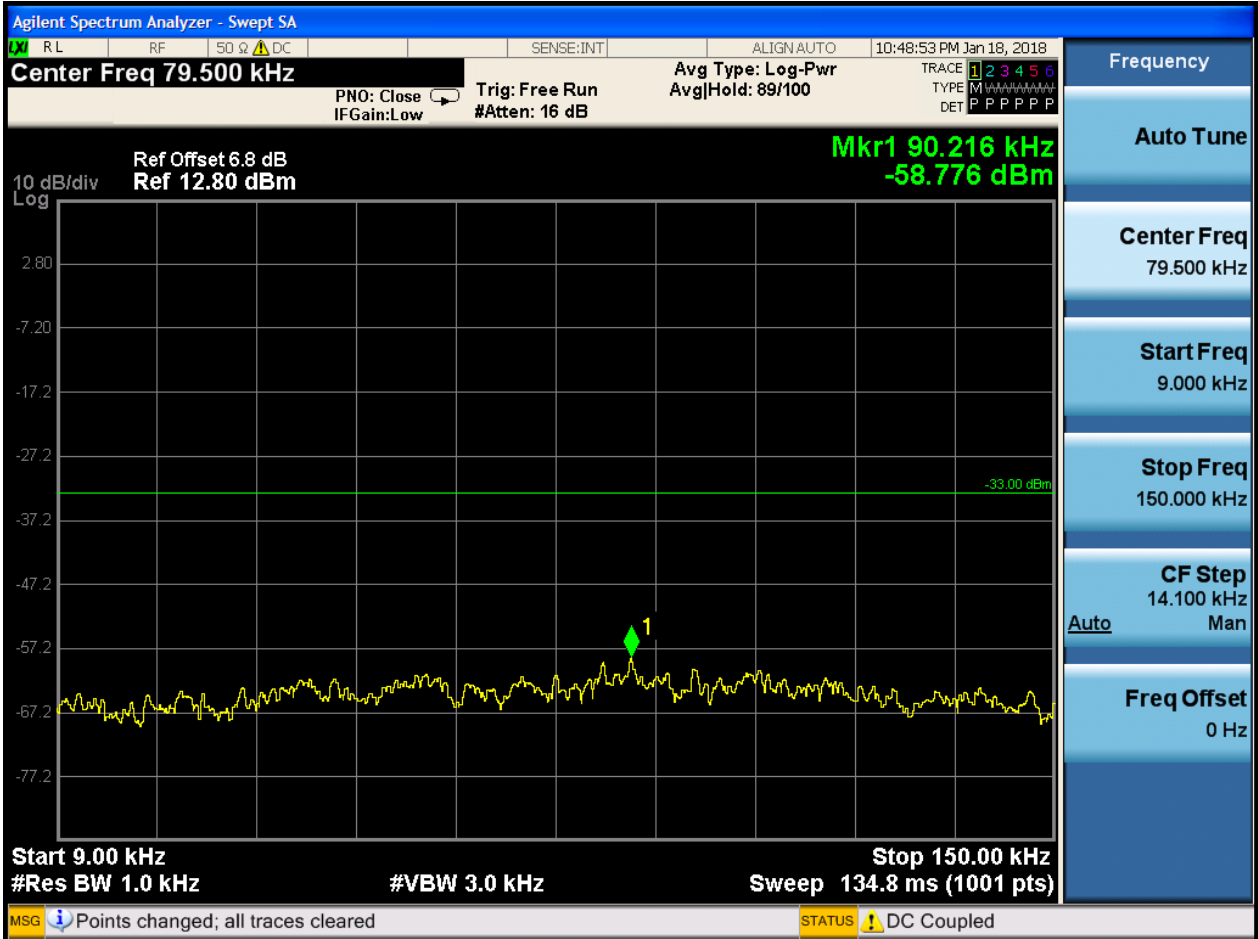
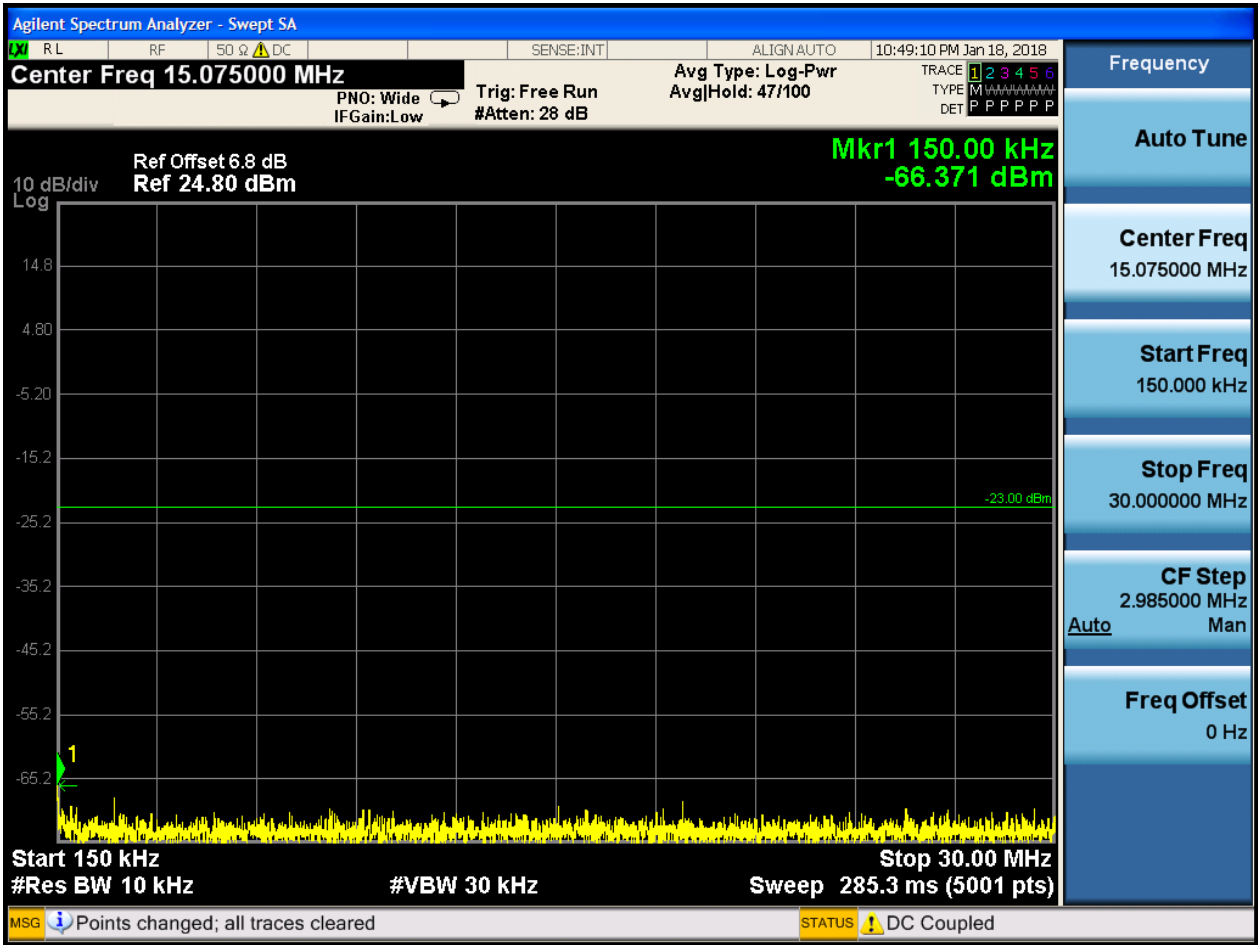


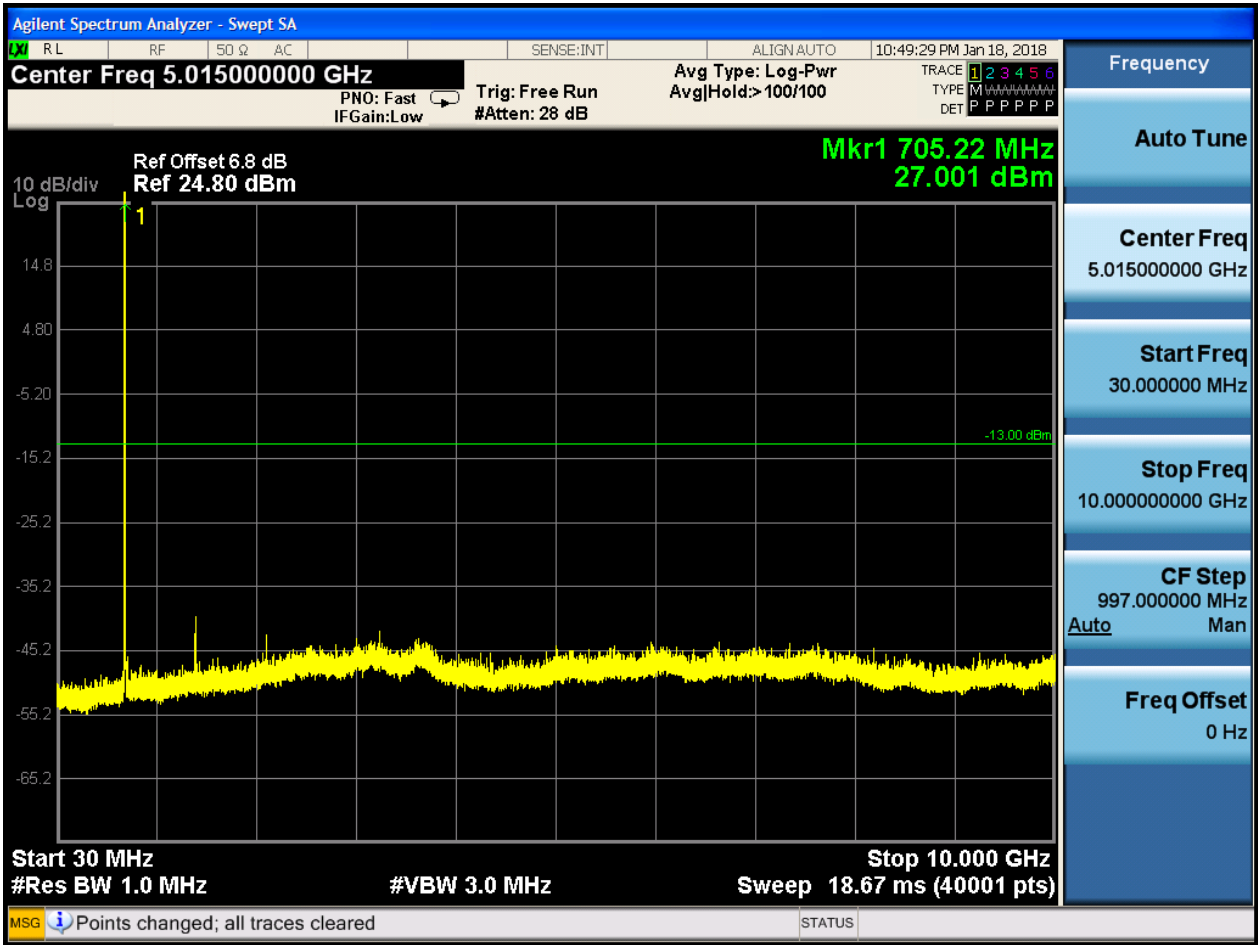


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



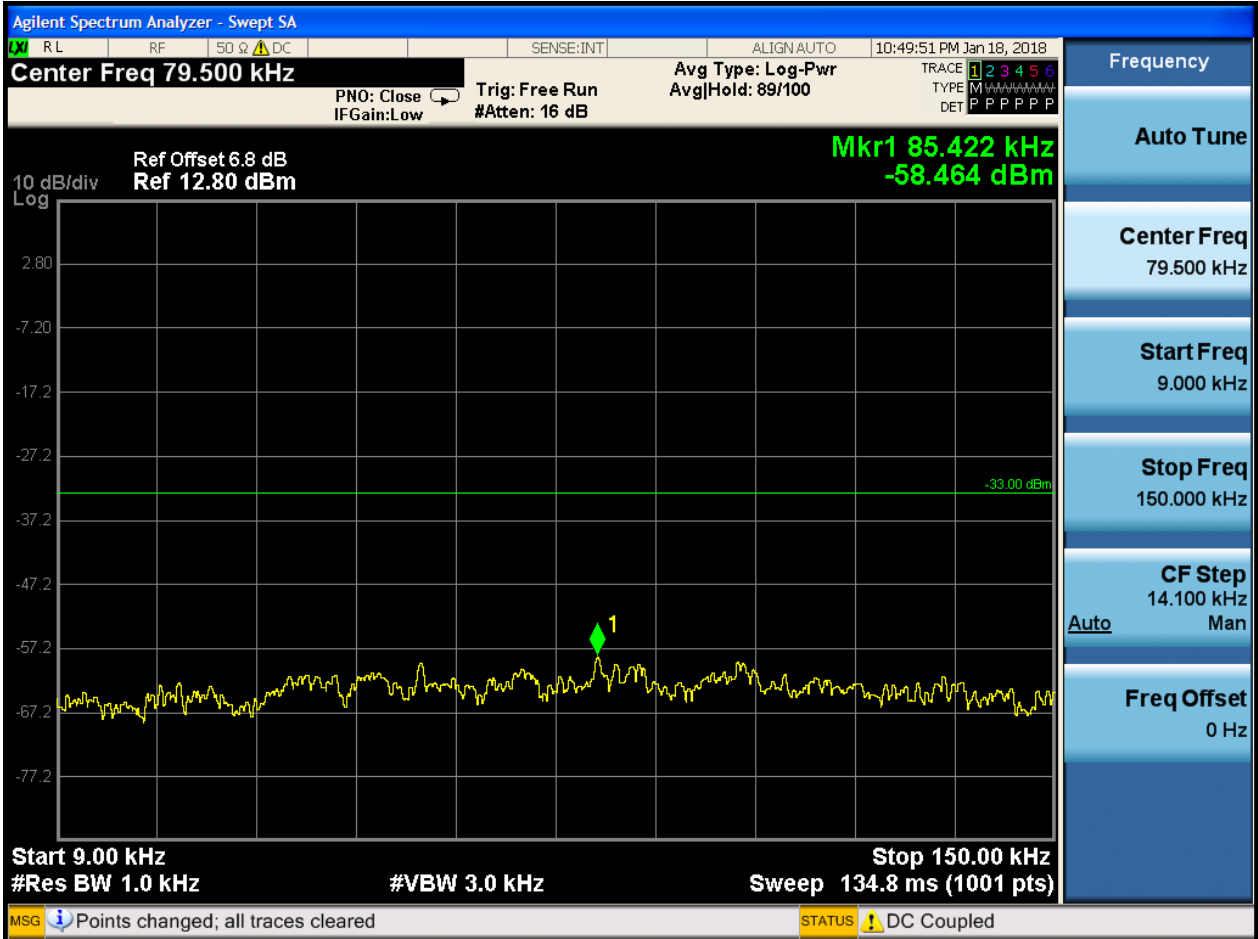




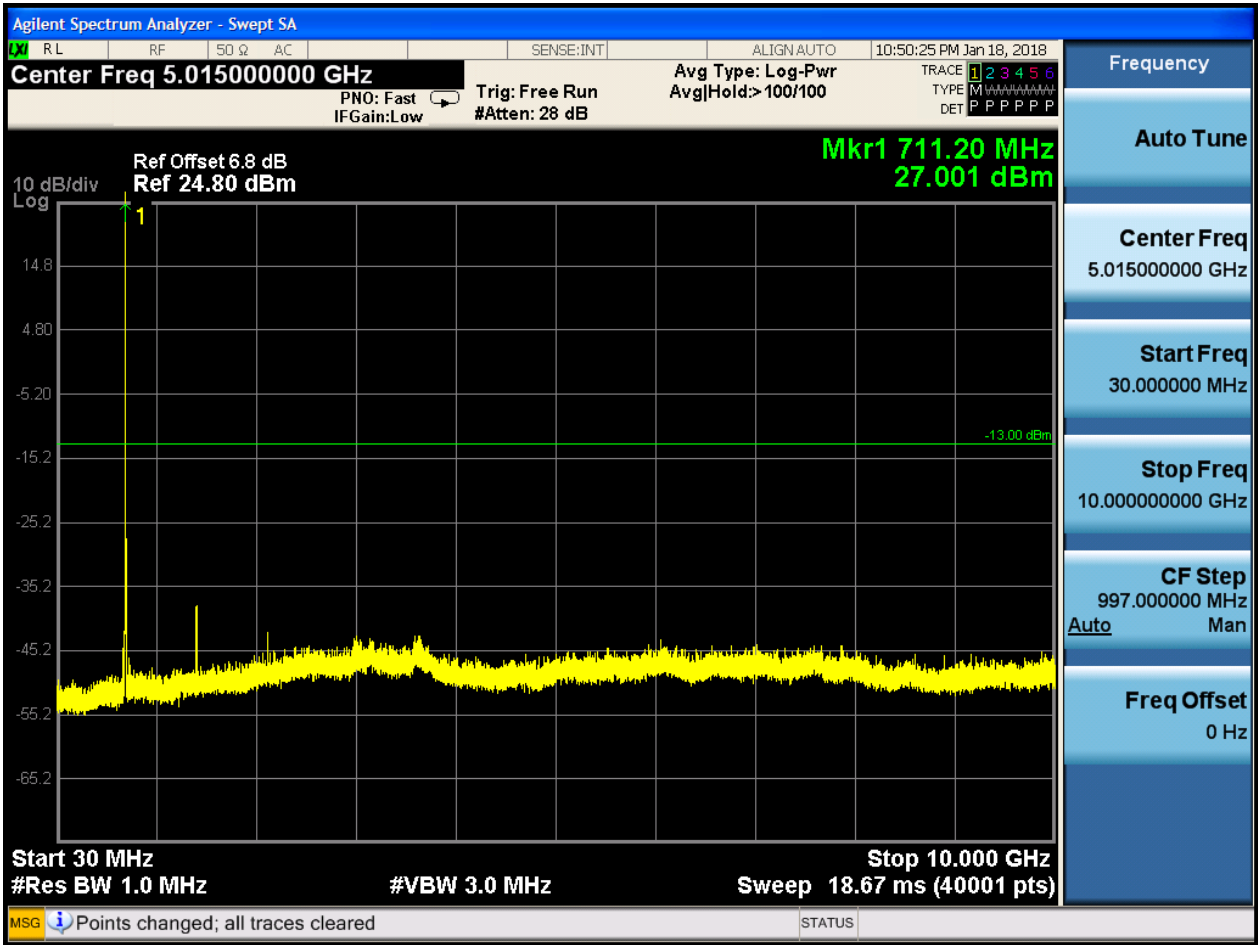


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







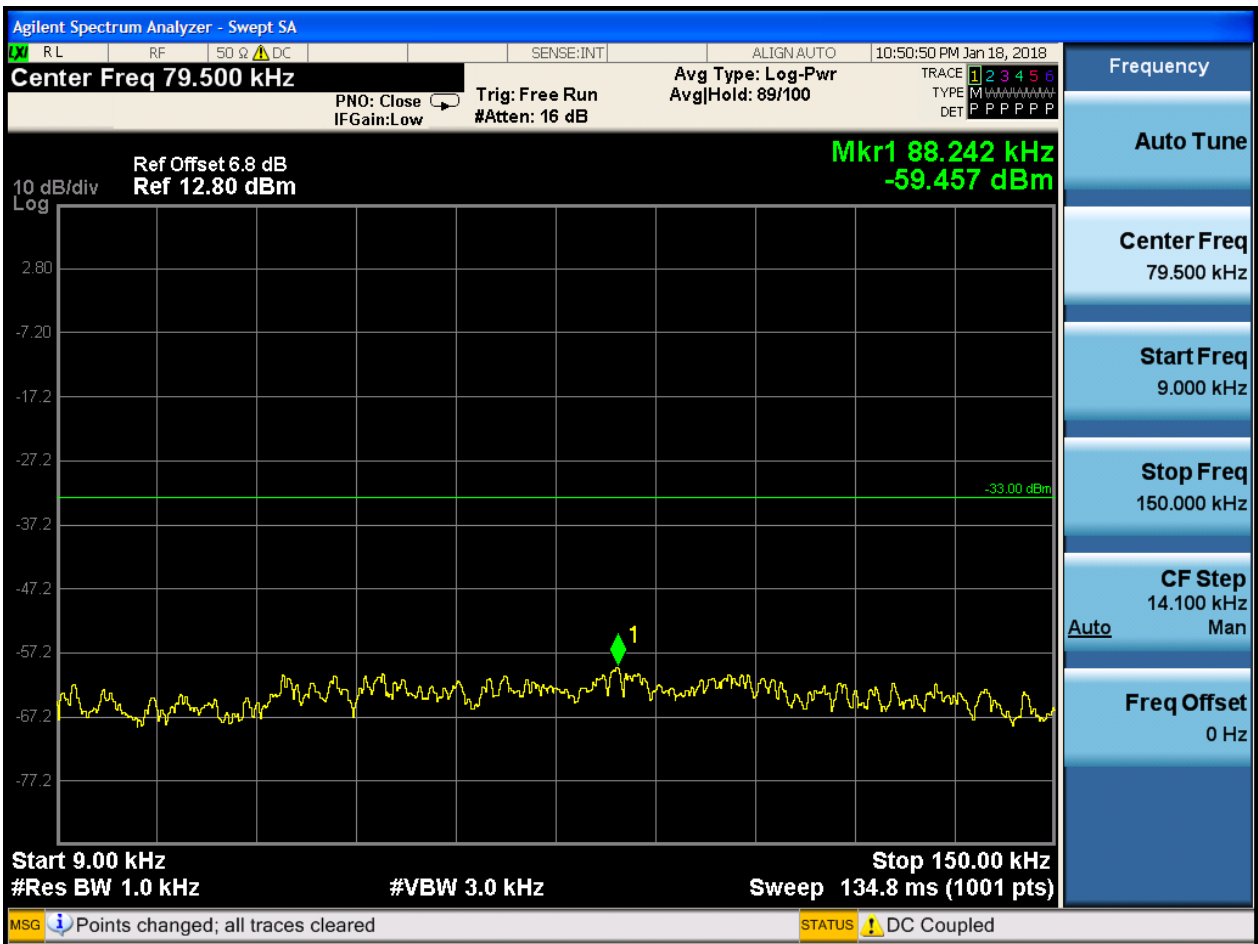


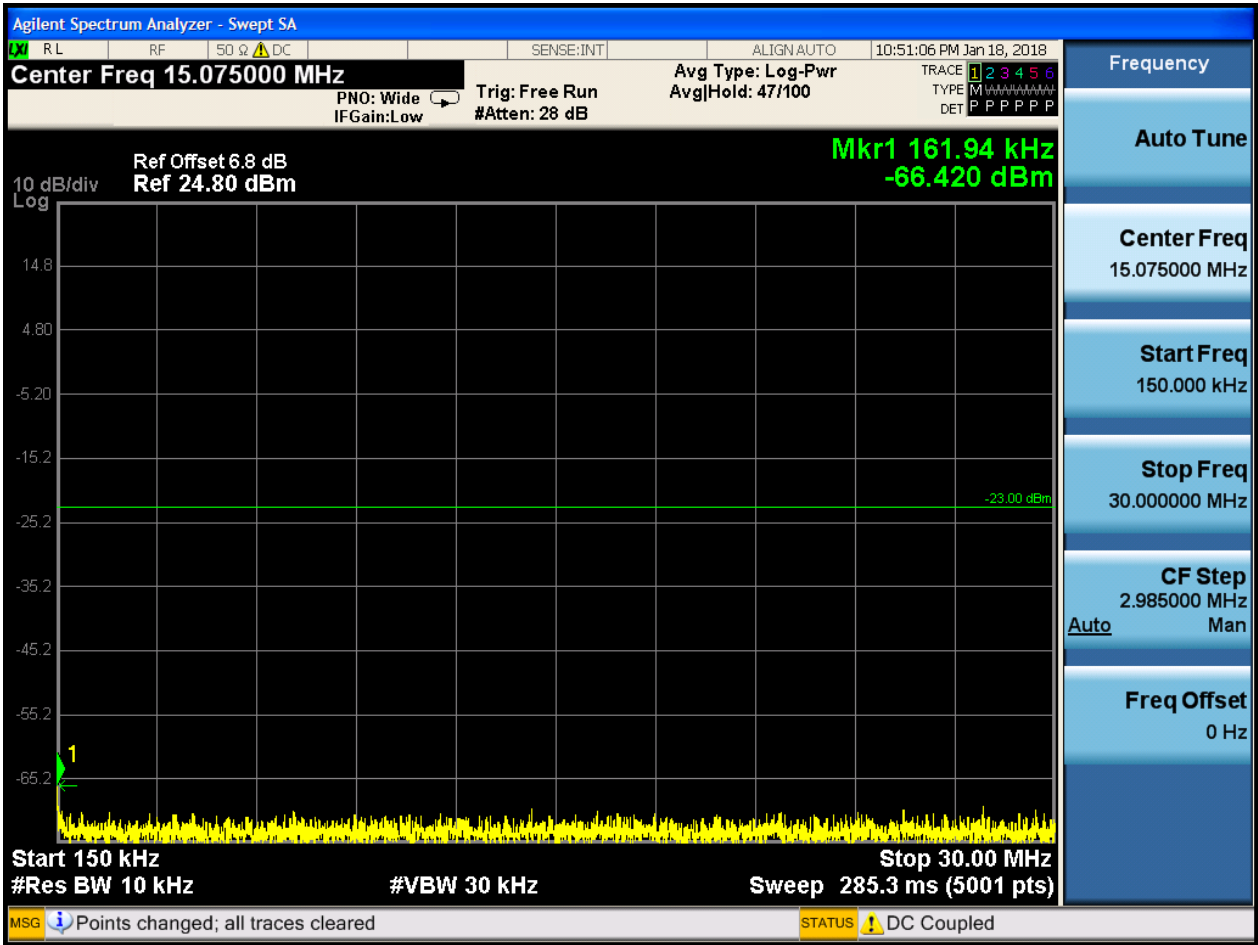


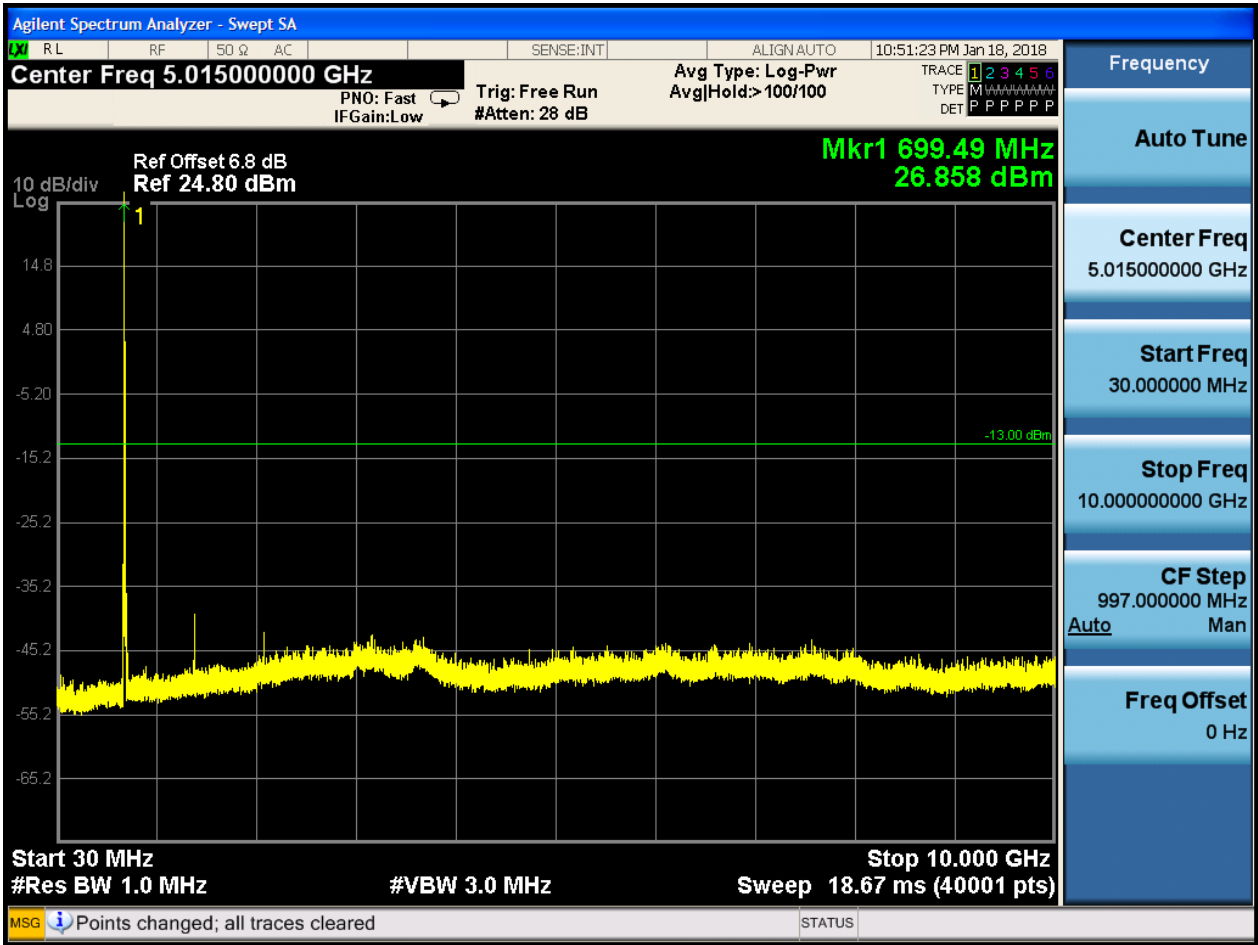
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



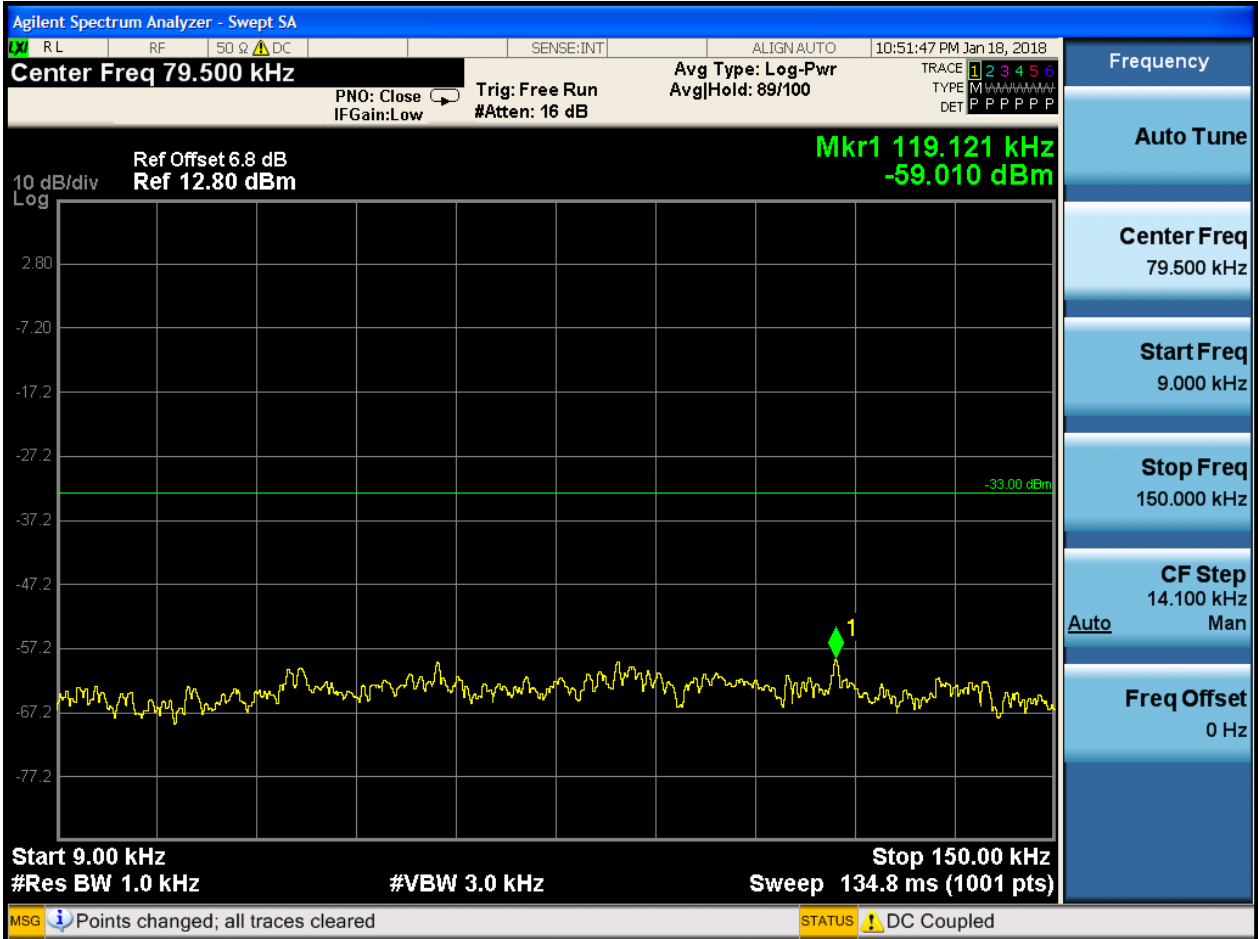


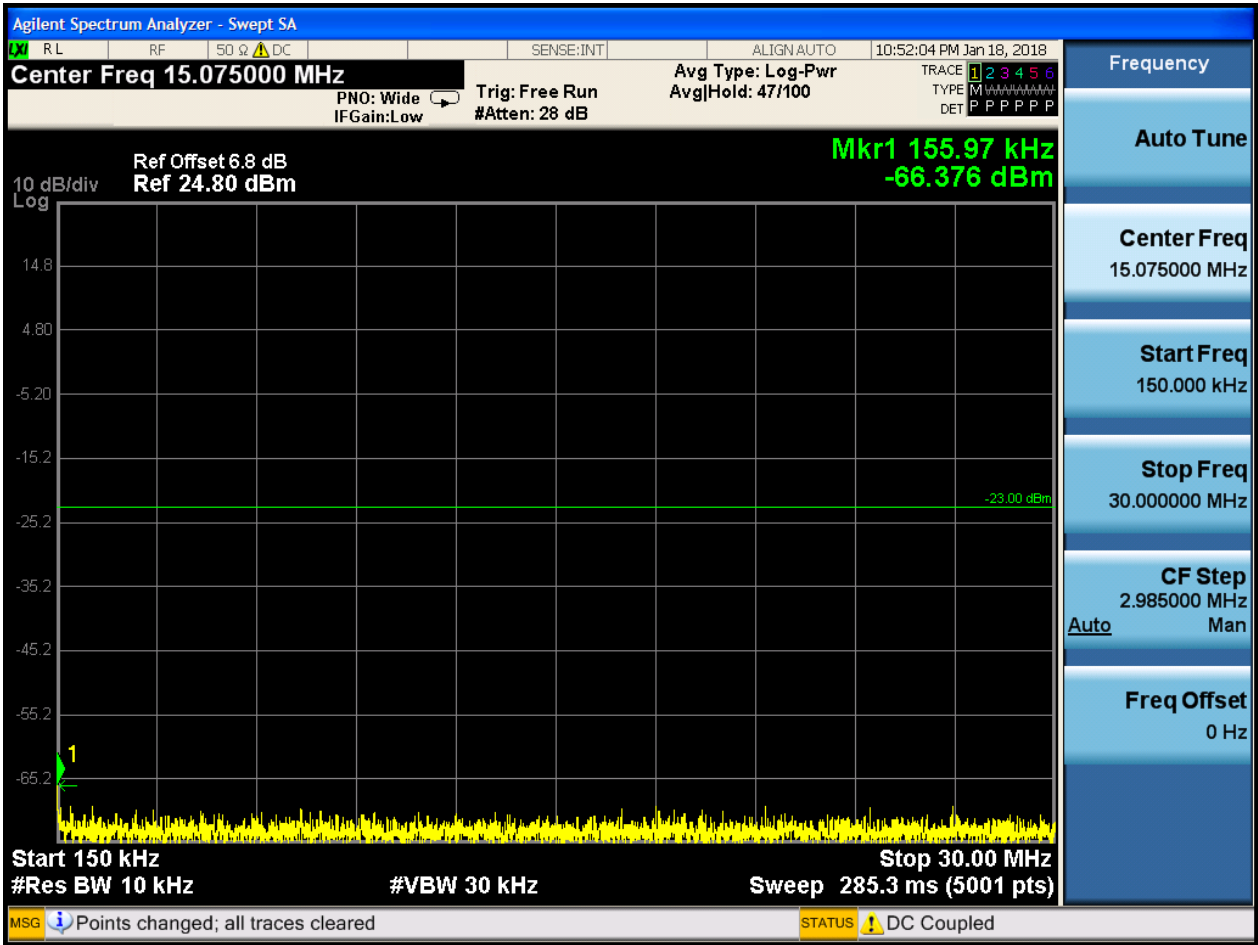


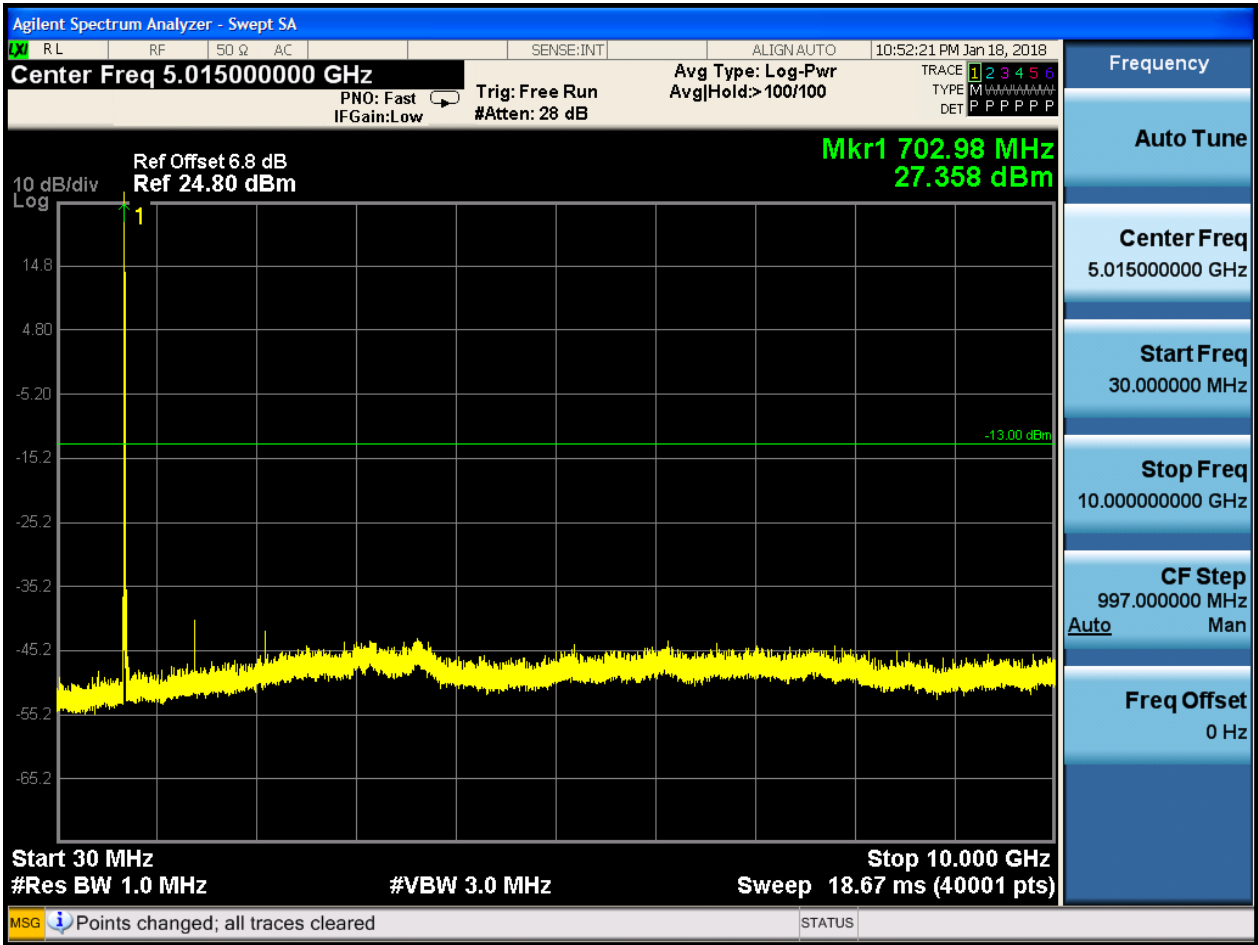


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



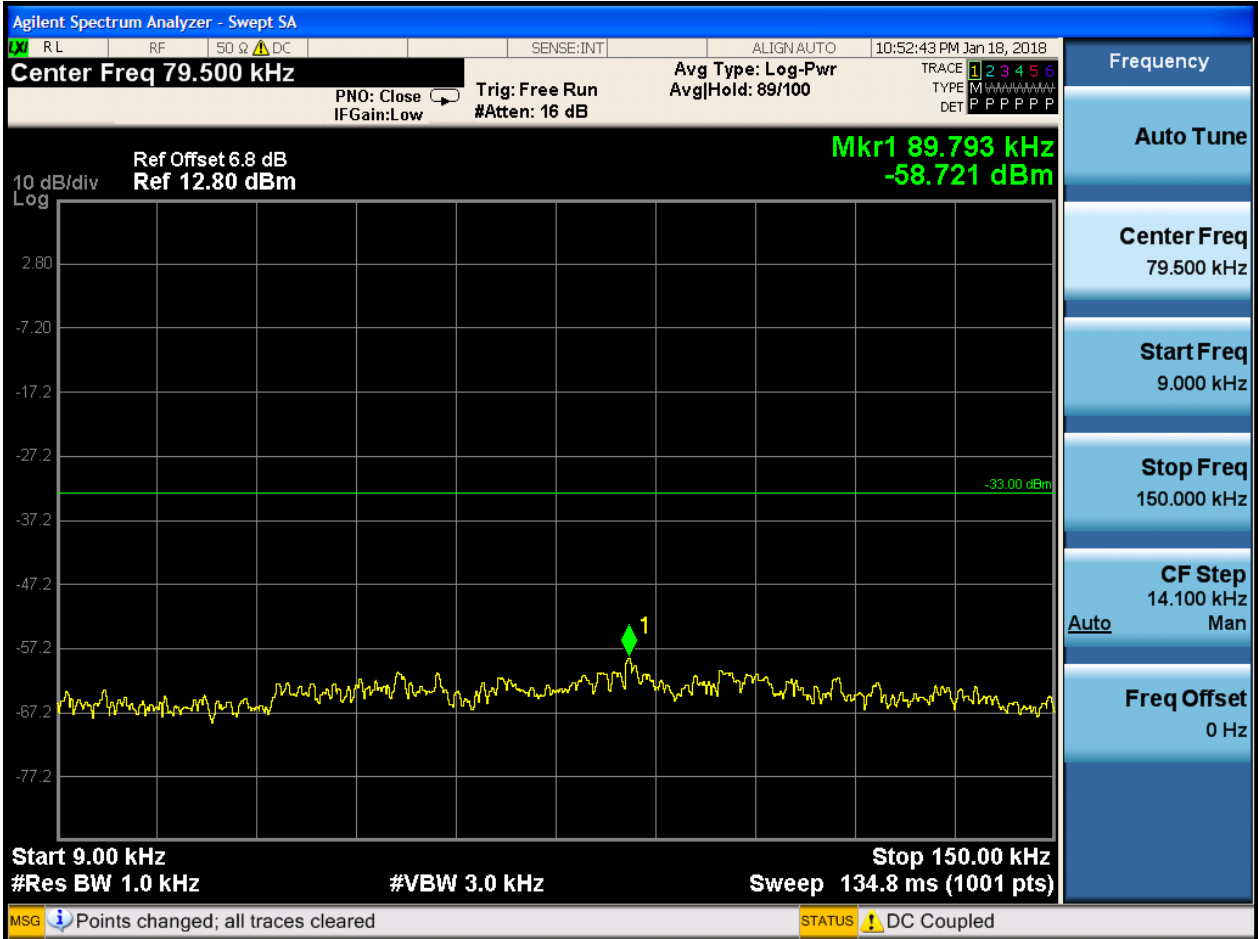


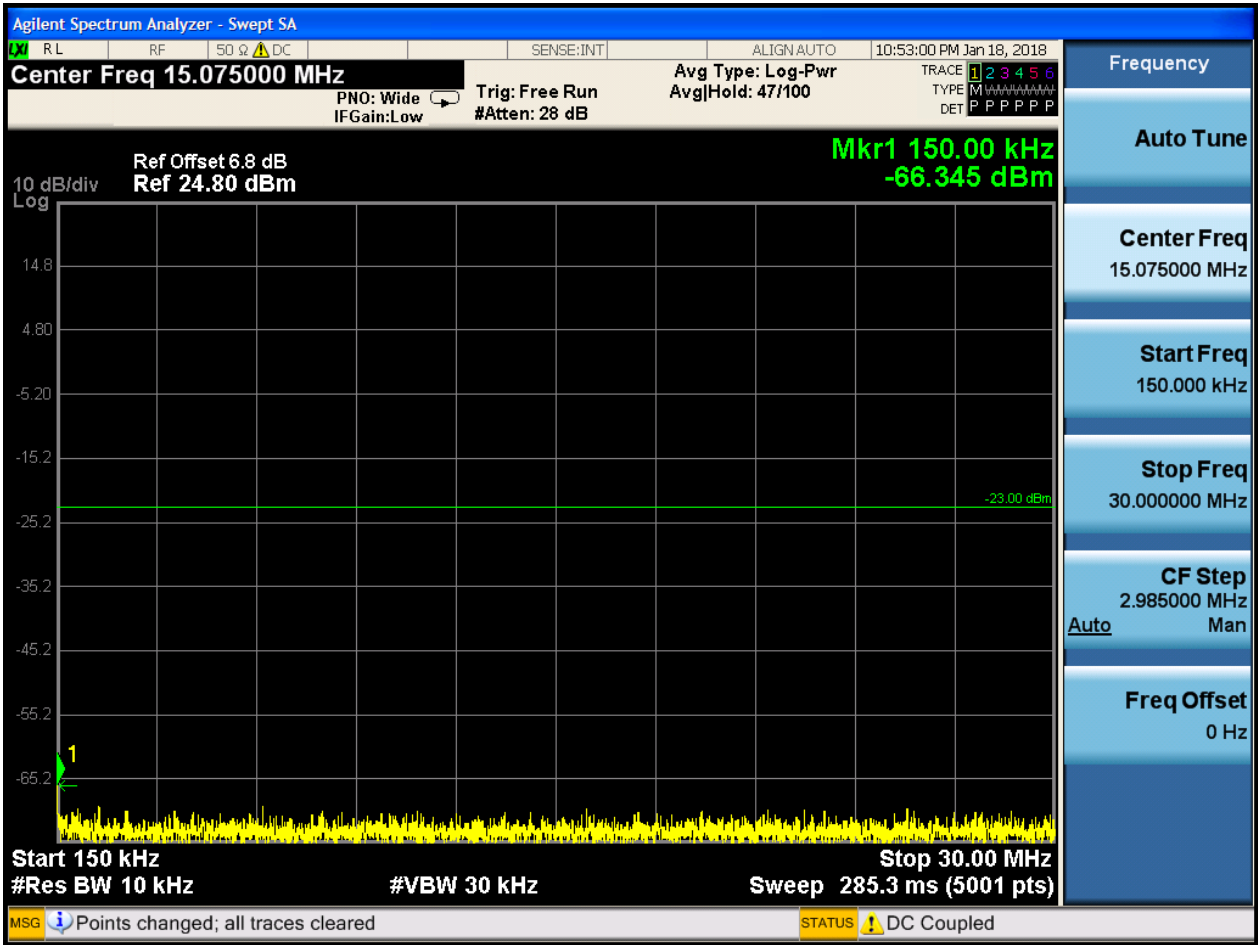




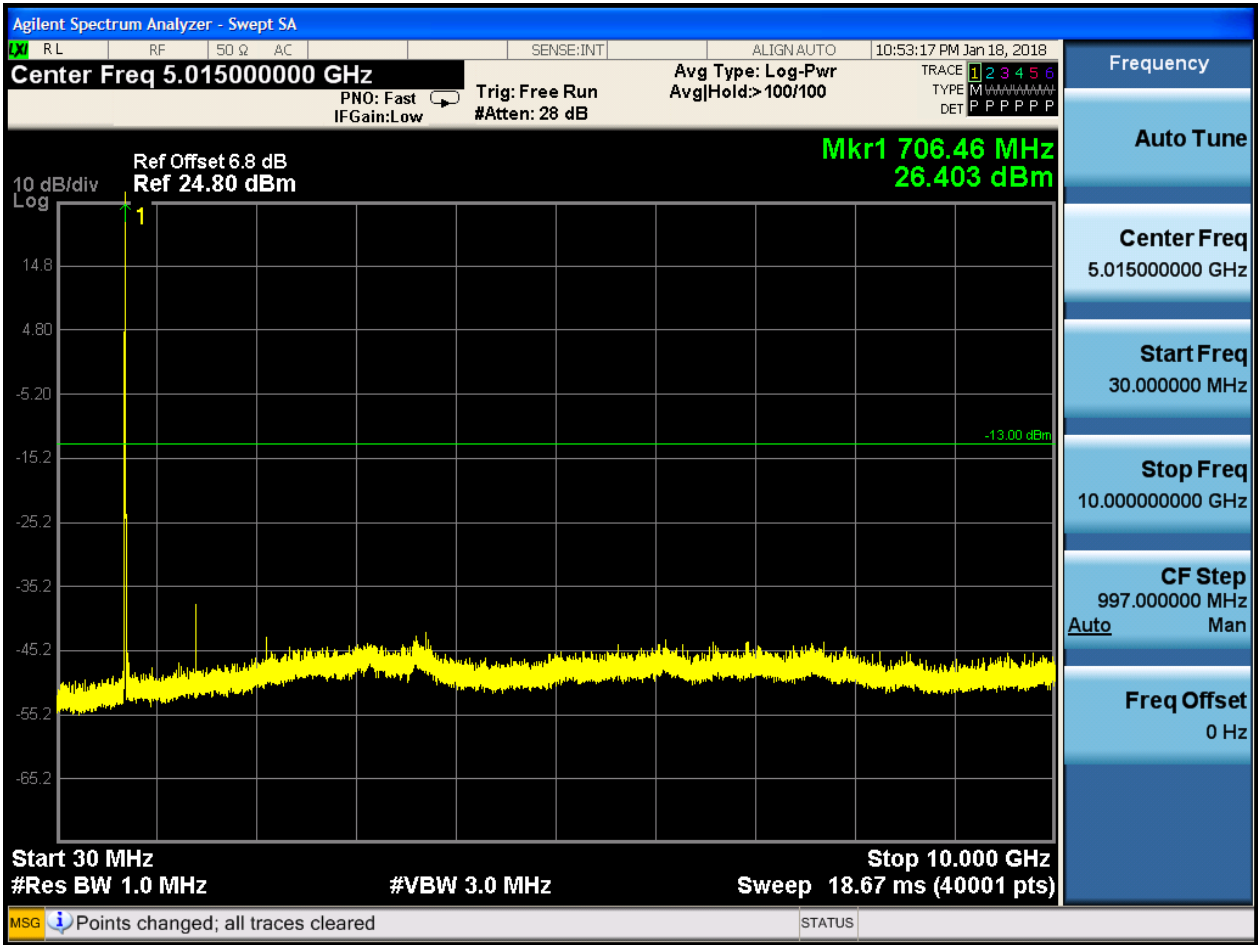
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0









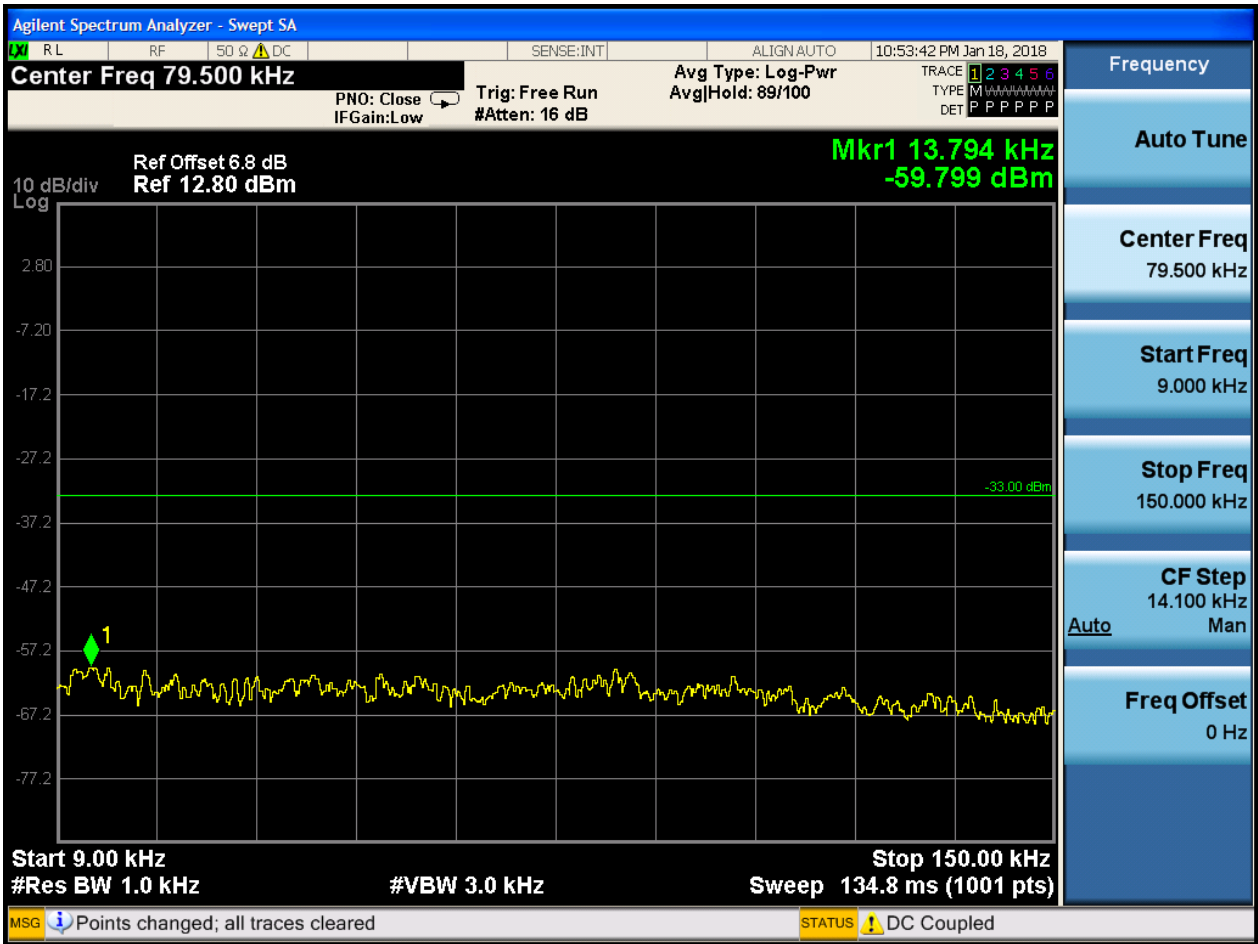


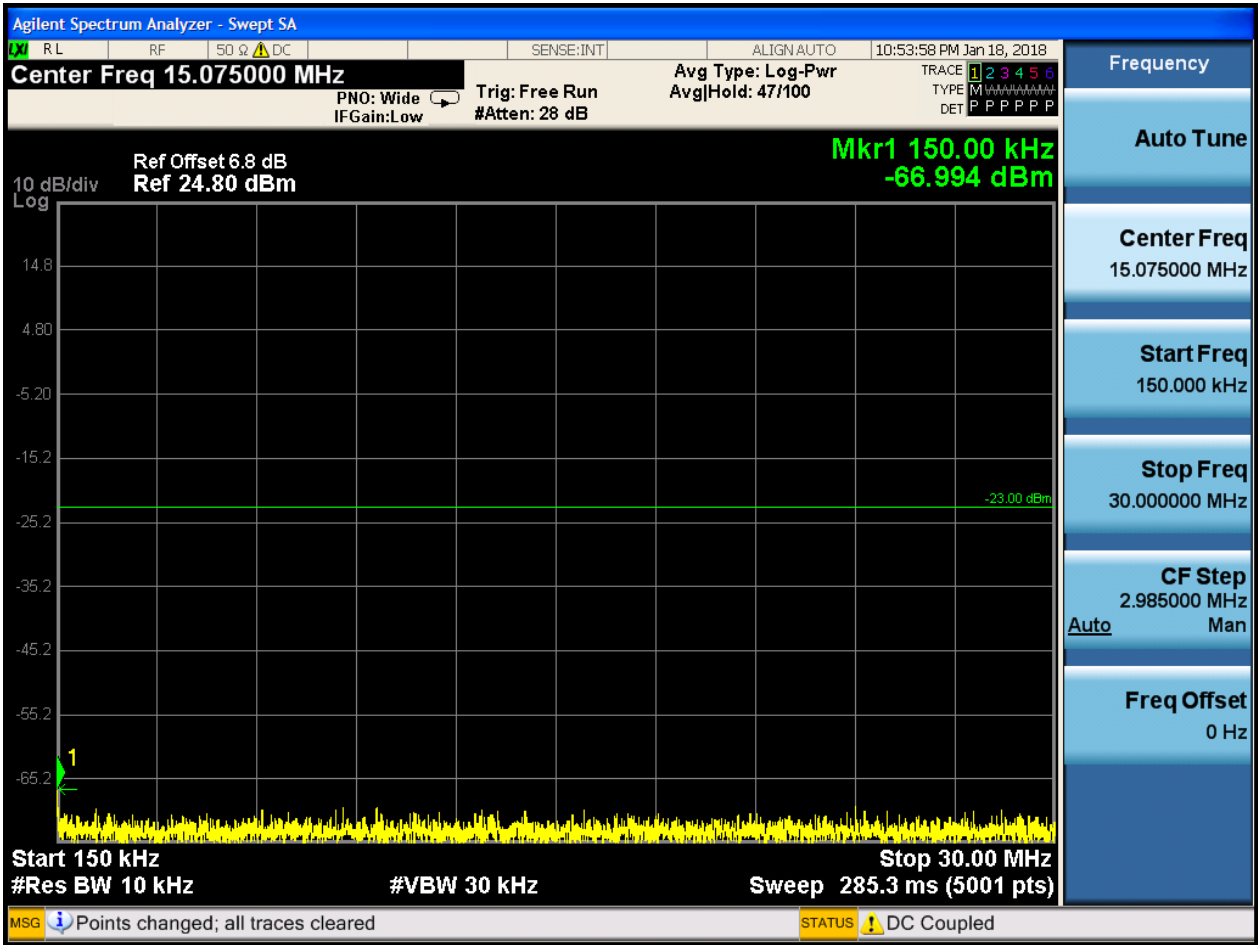
6.1.1.2 Test Mode = LTE/TM2

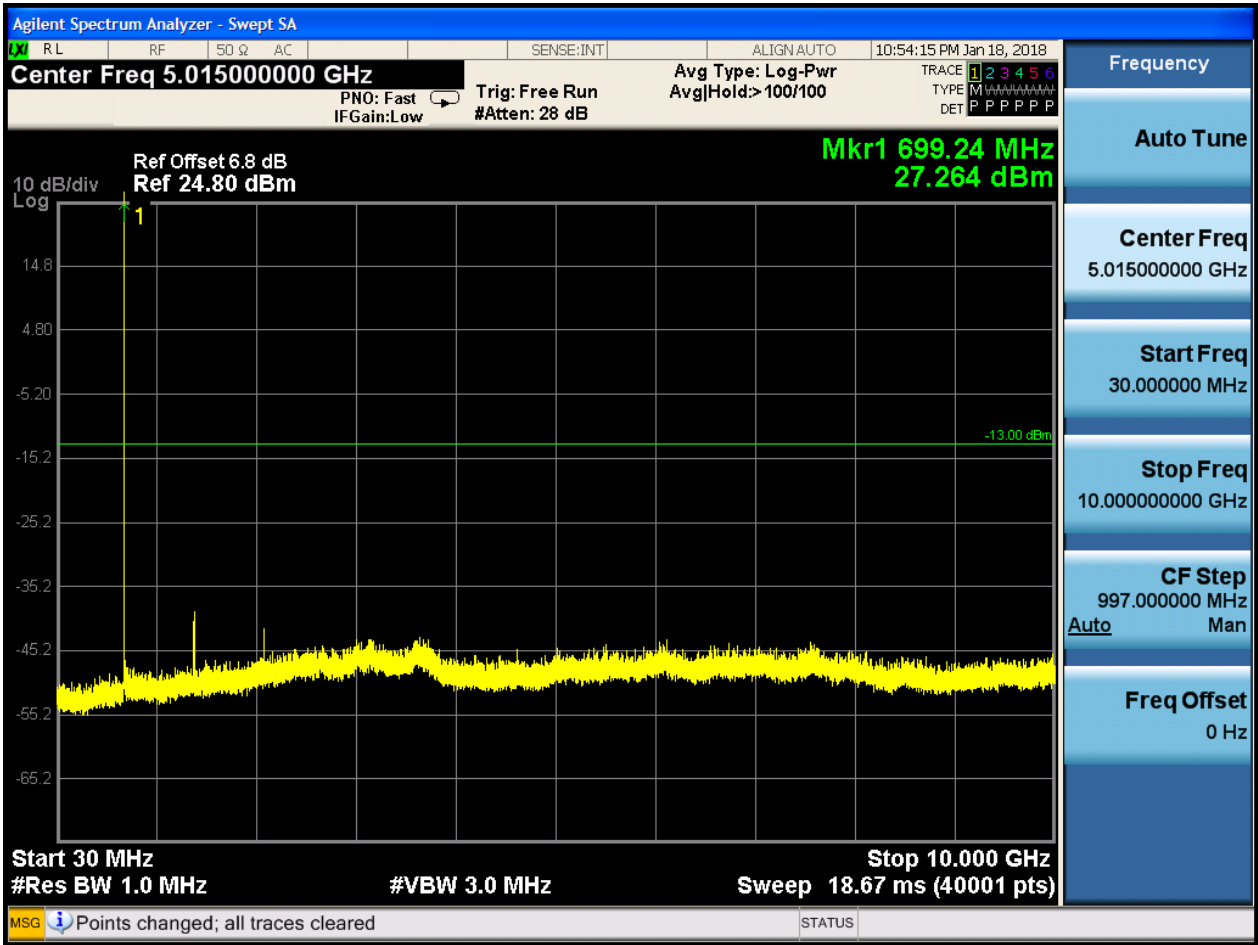
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



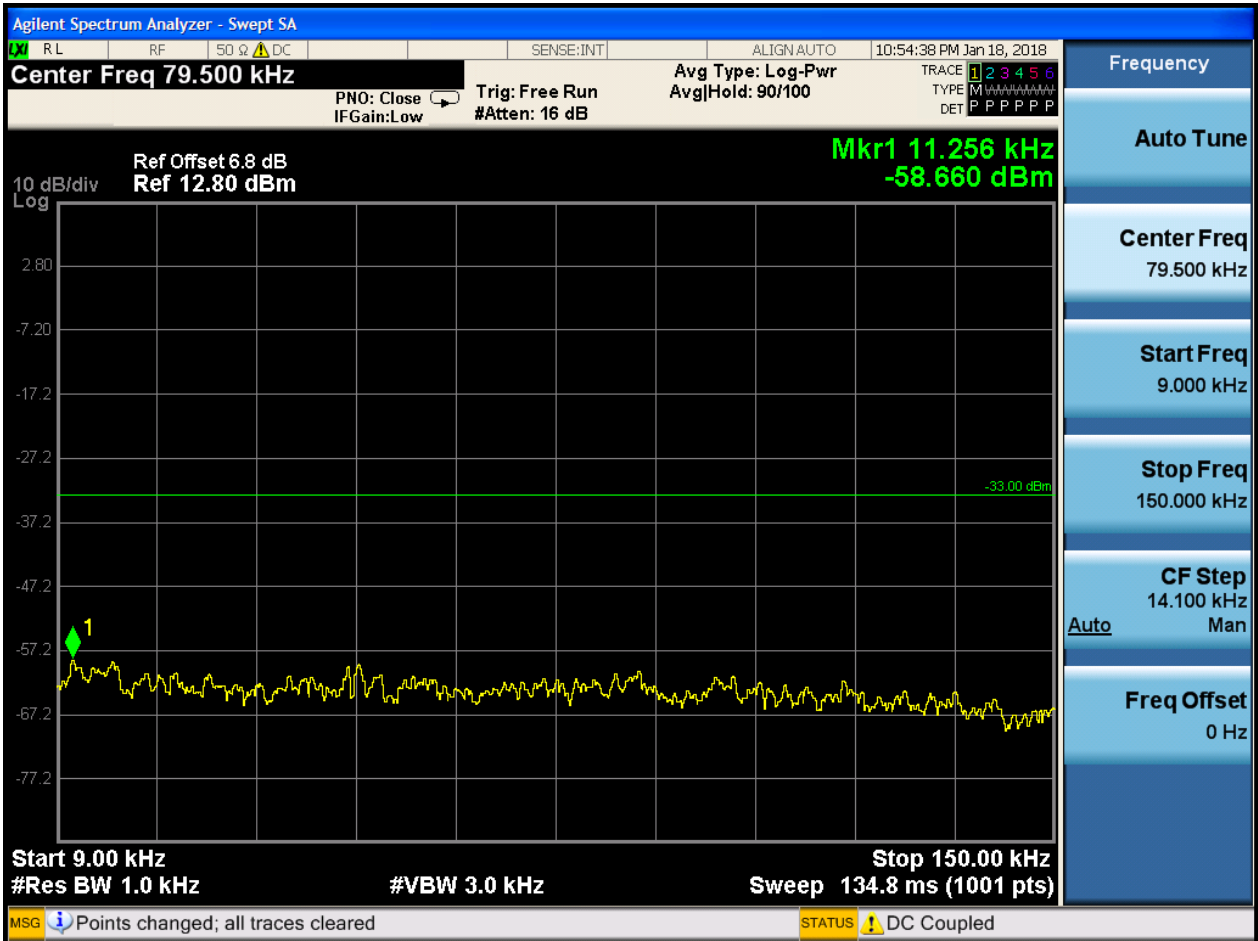




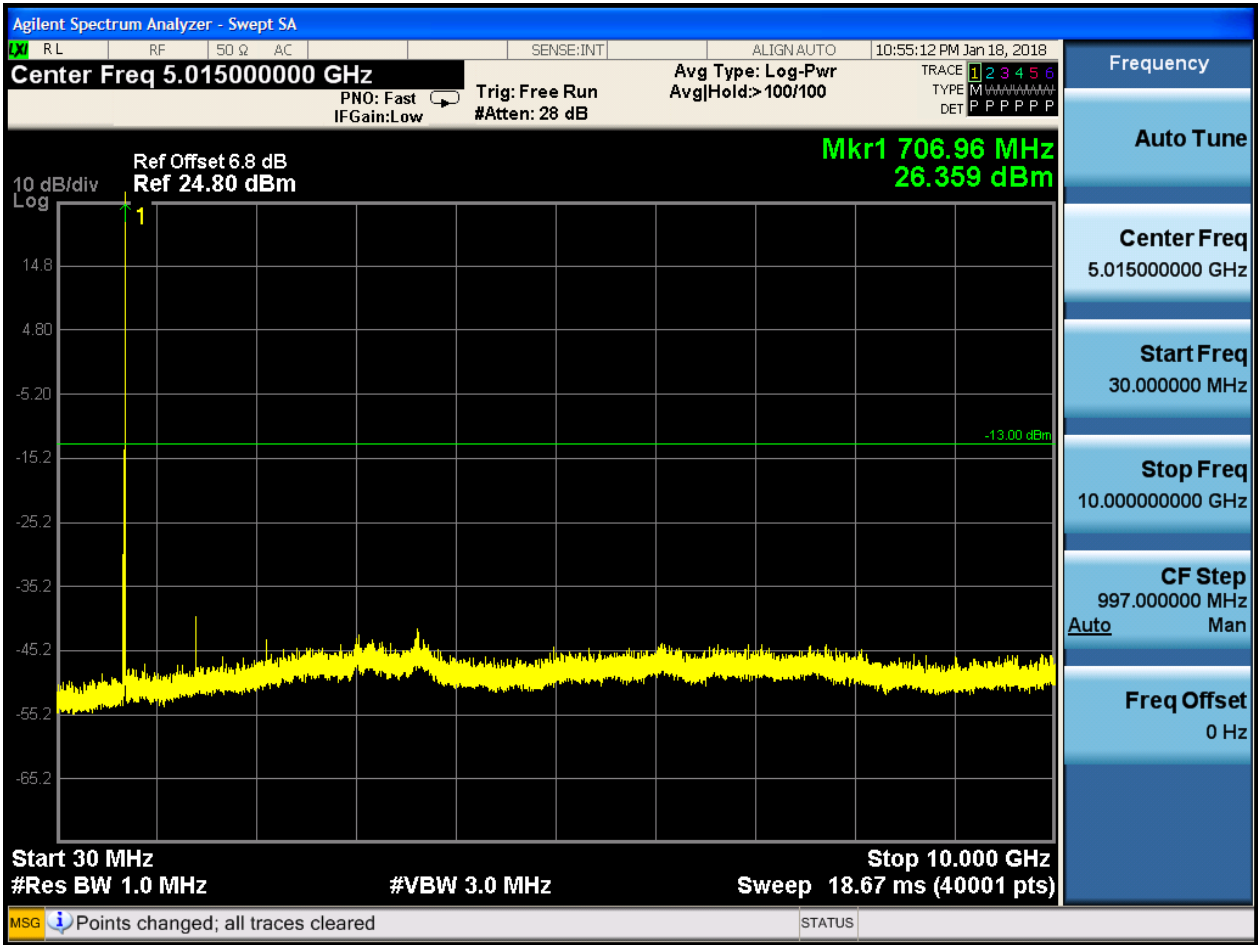


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



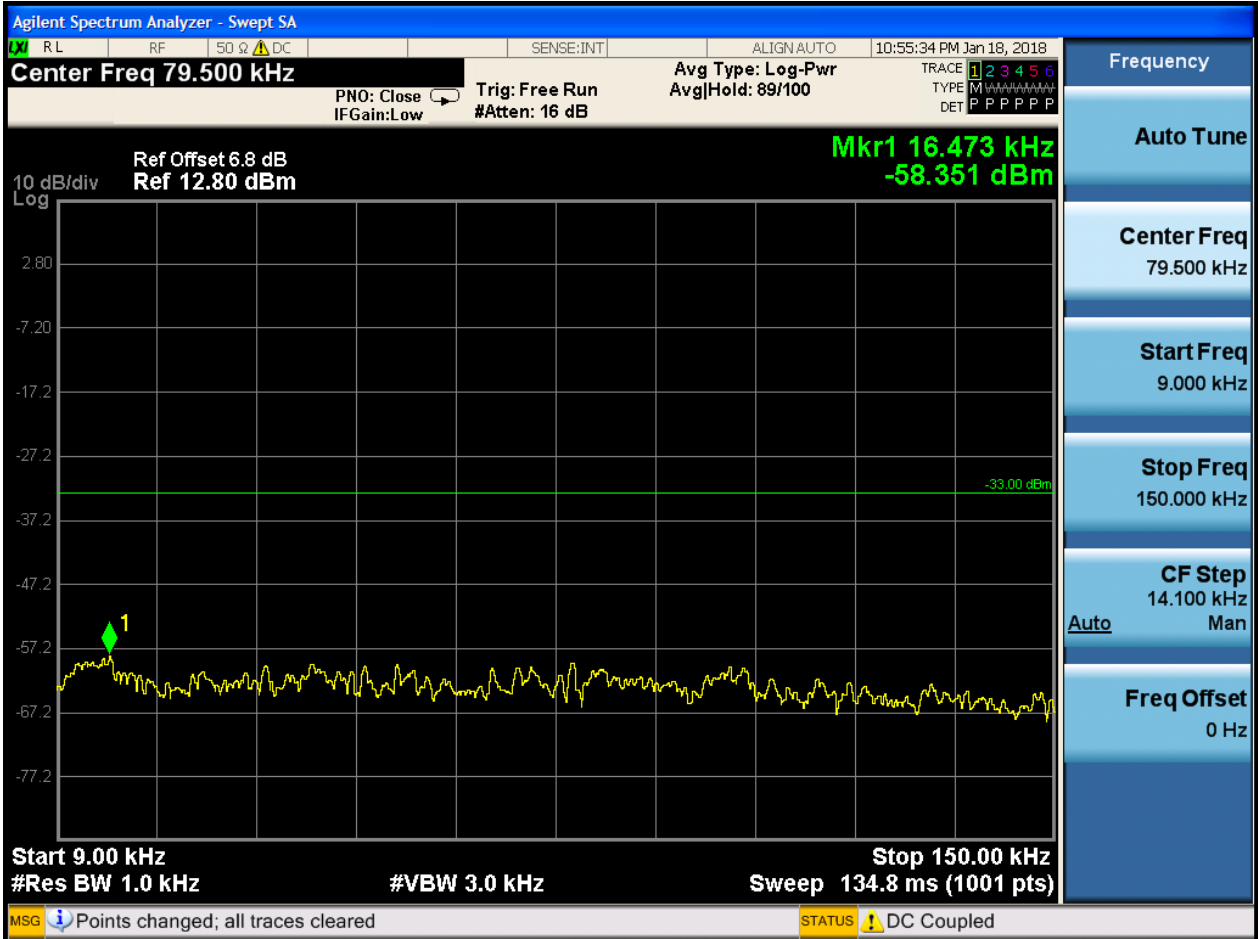




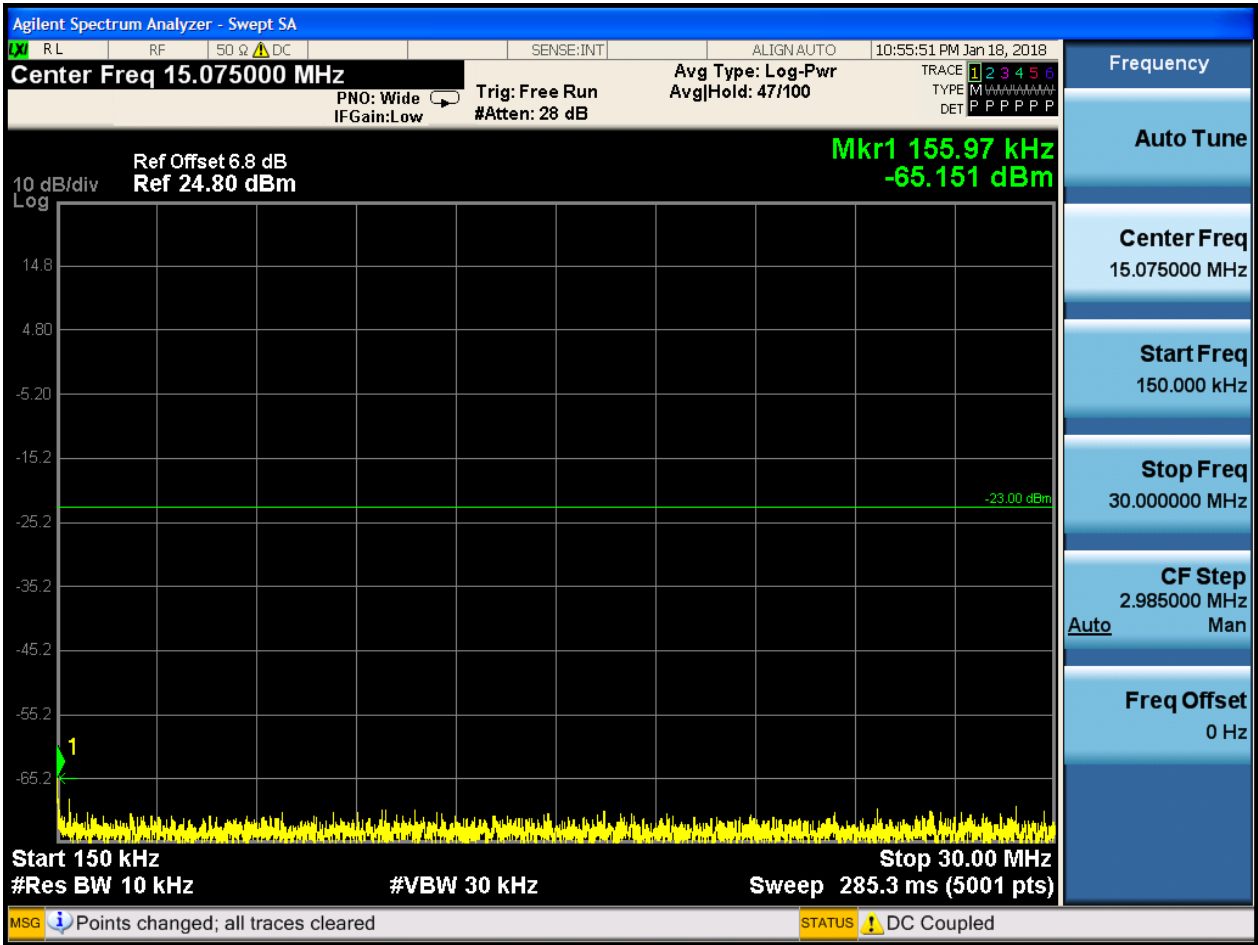


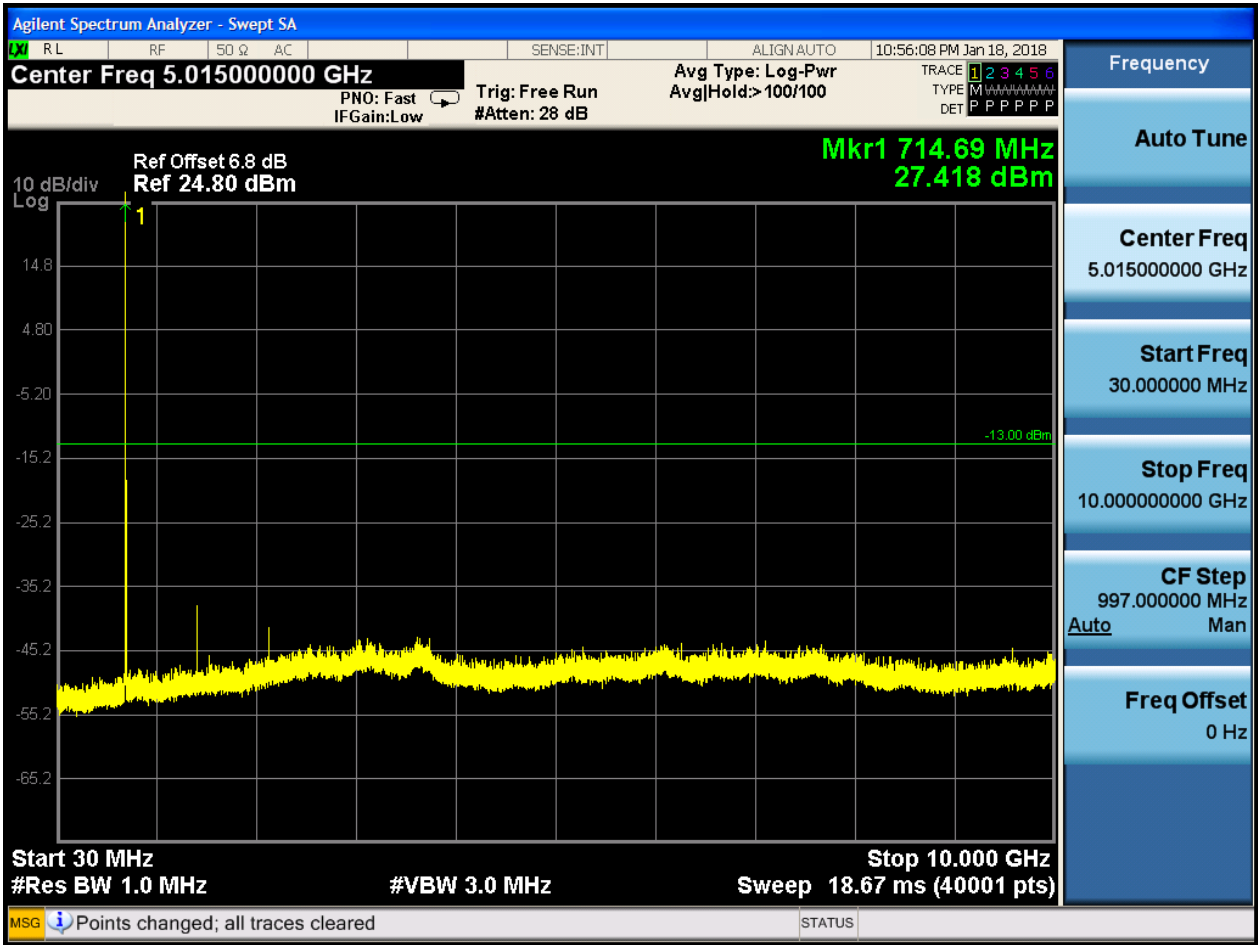
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







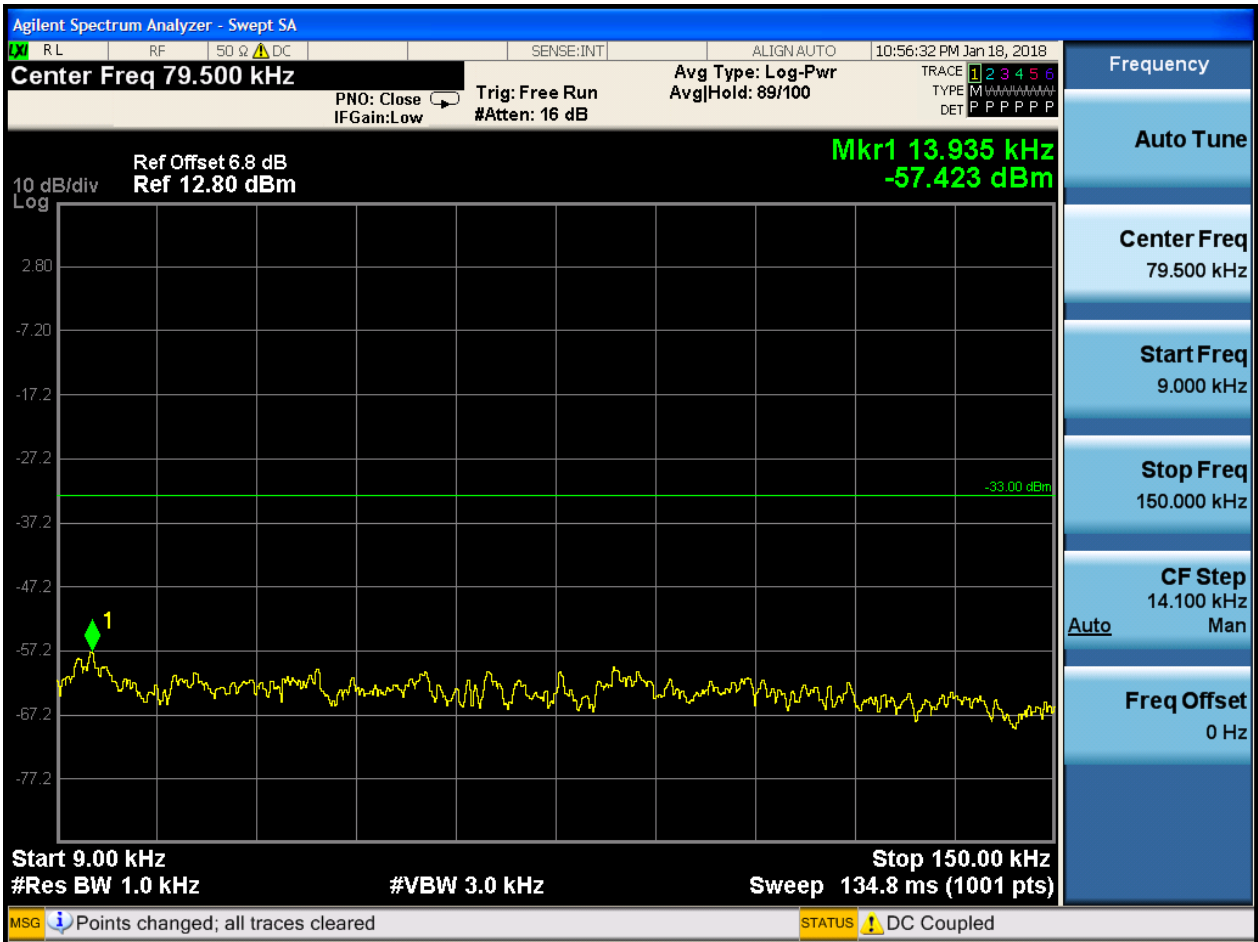




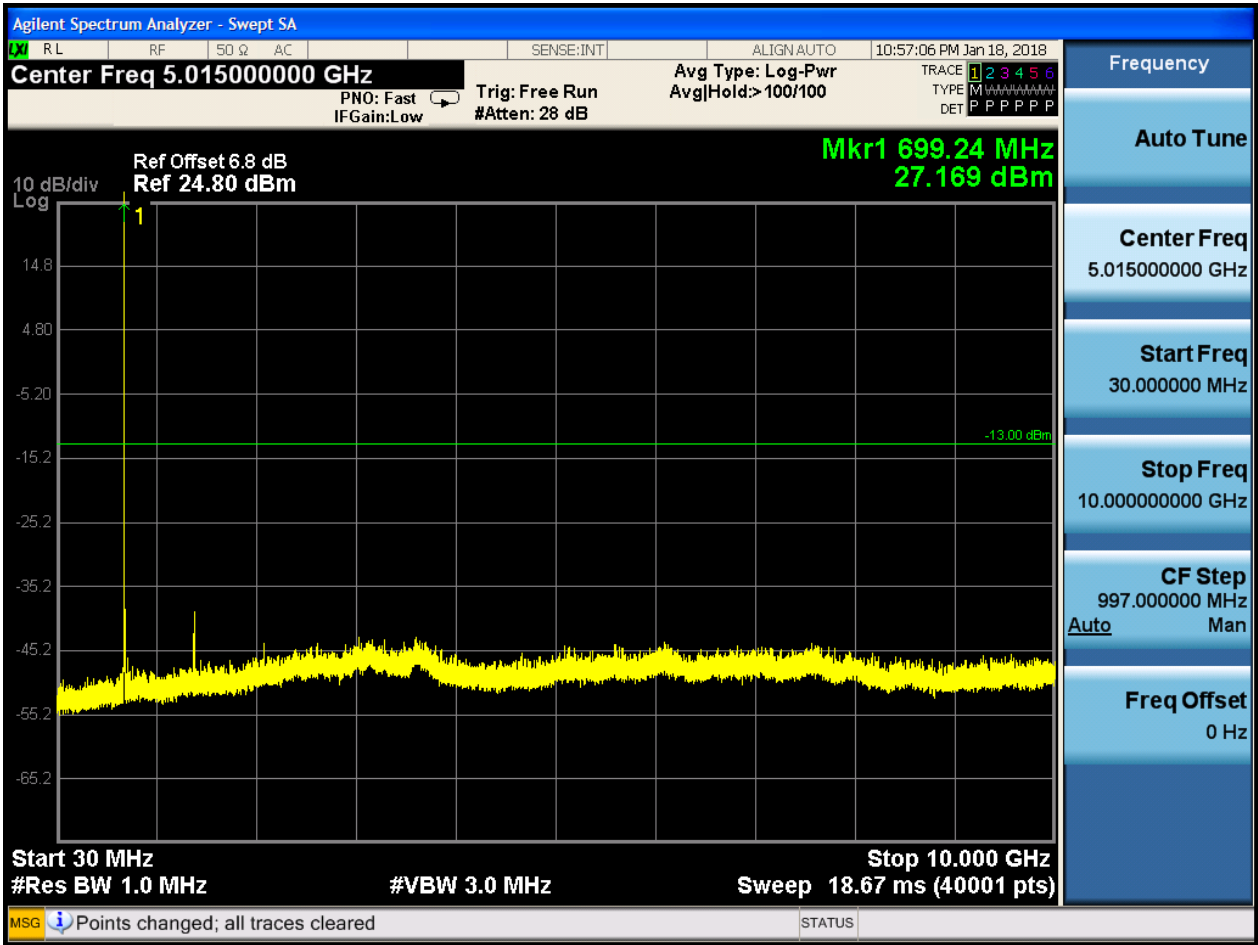
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



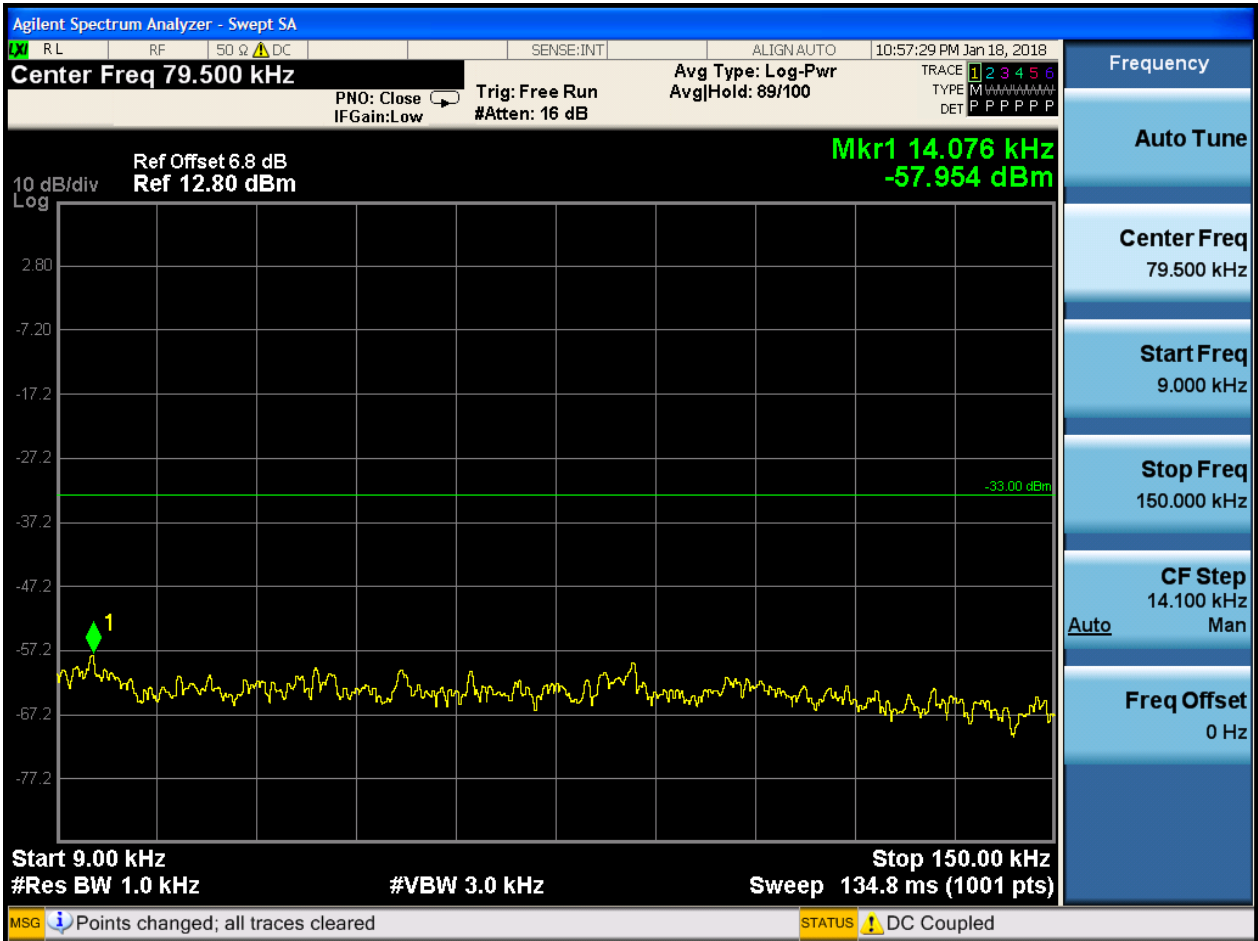


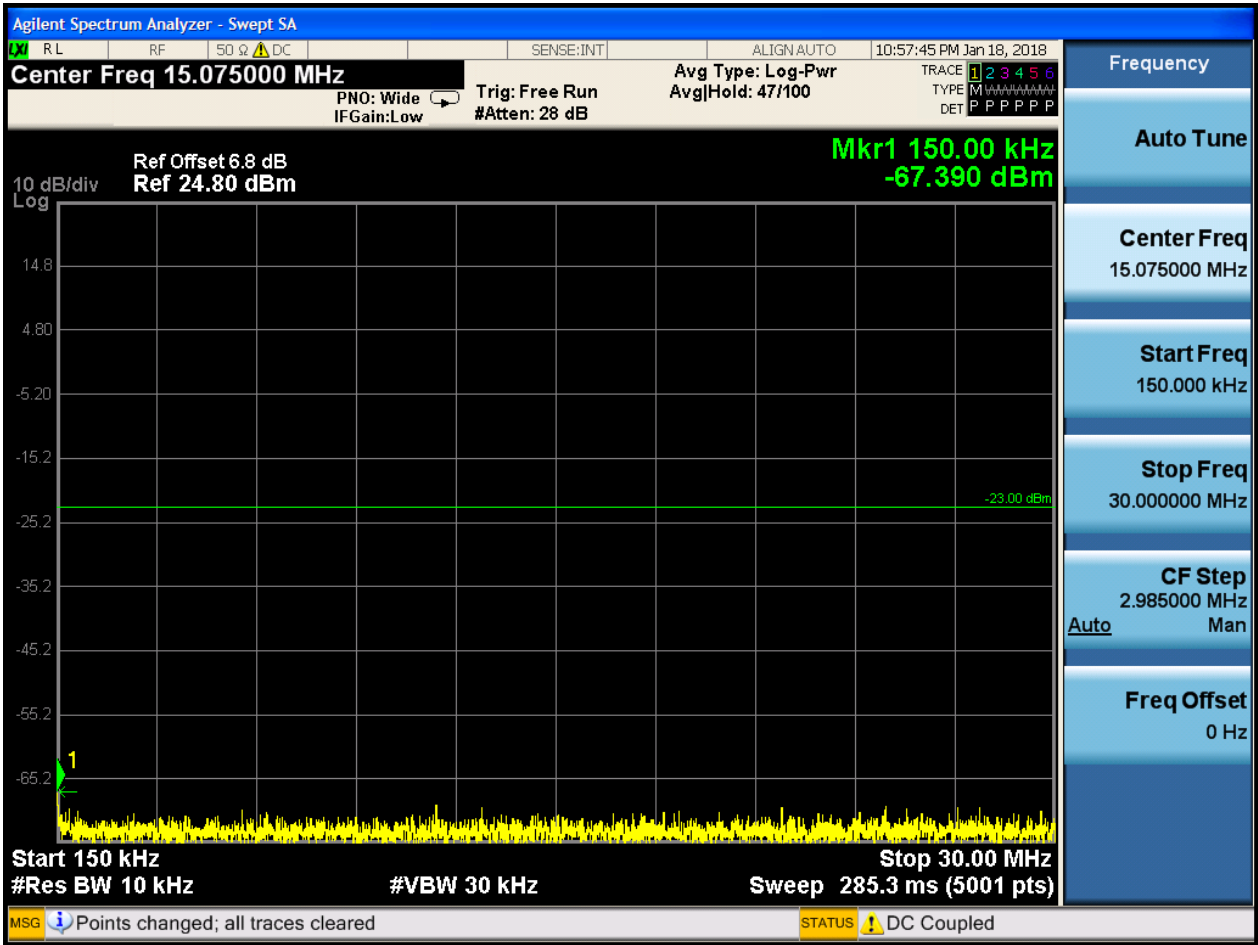


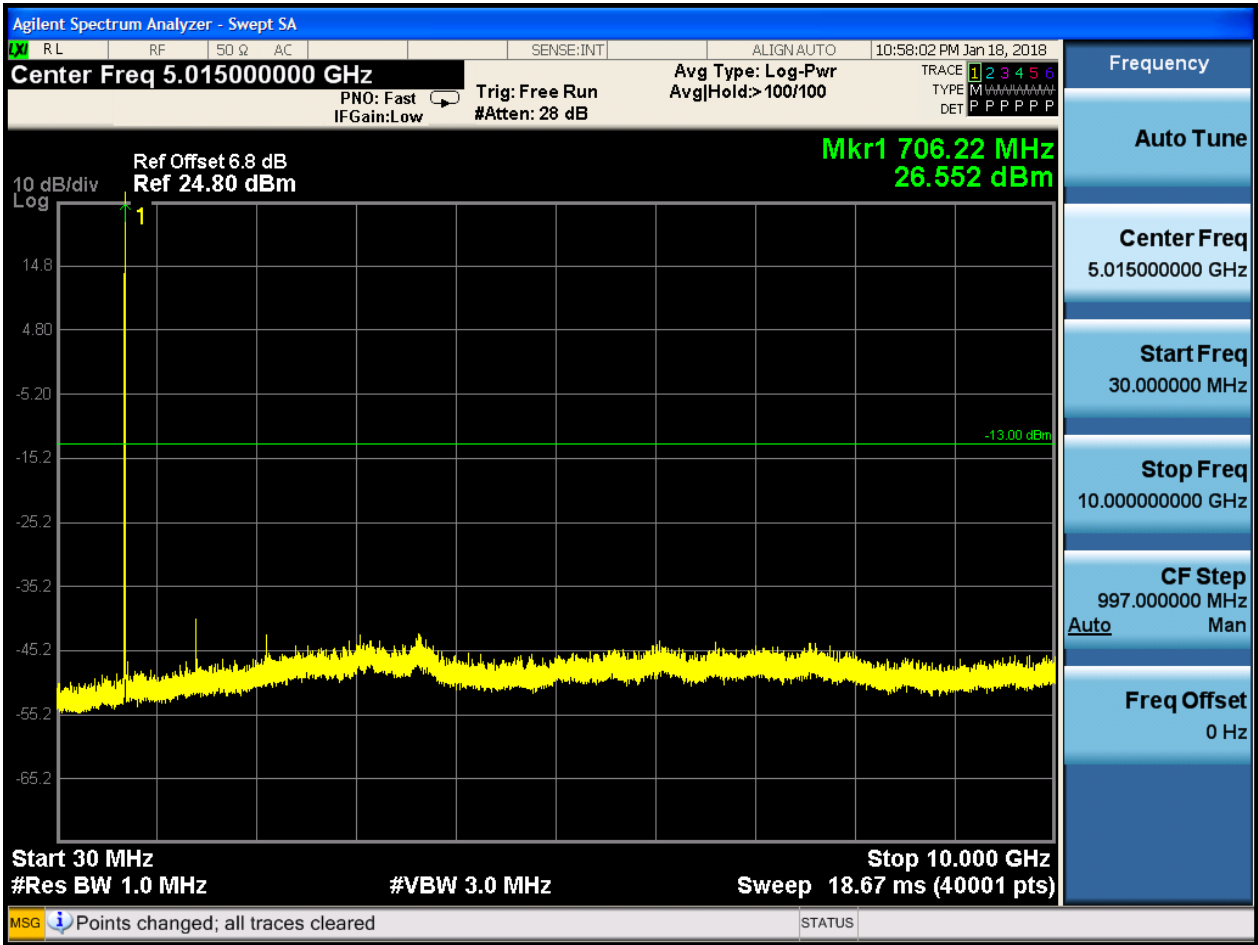


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0





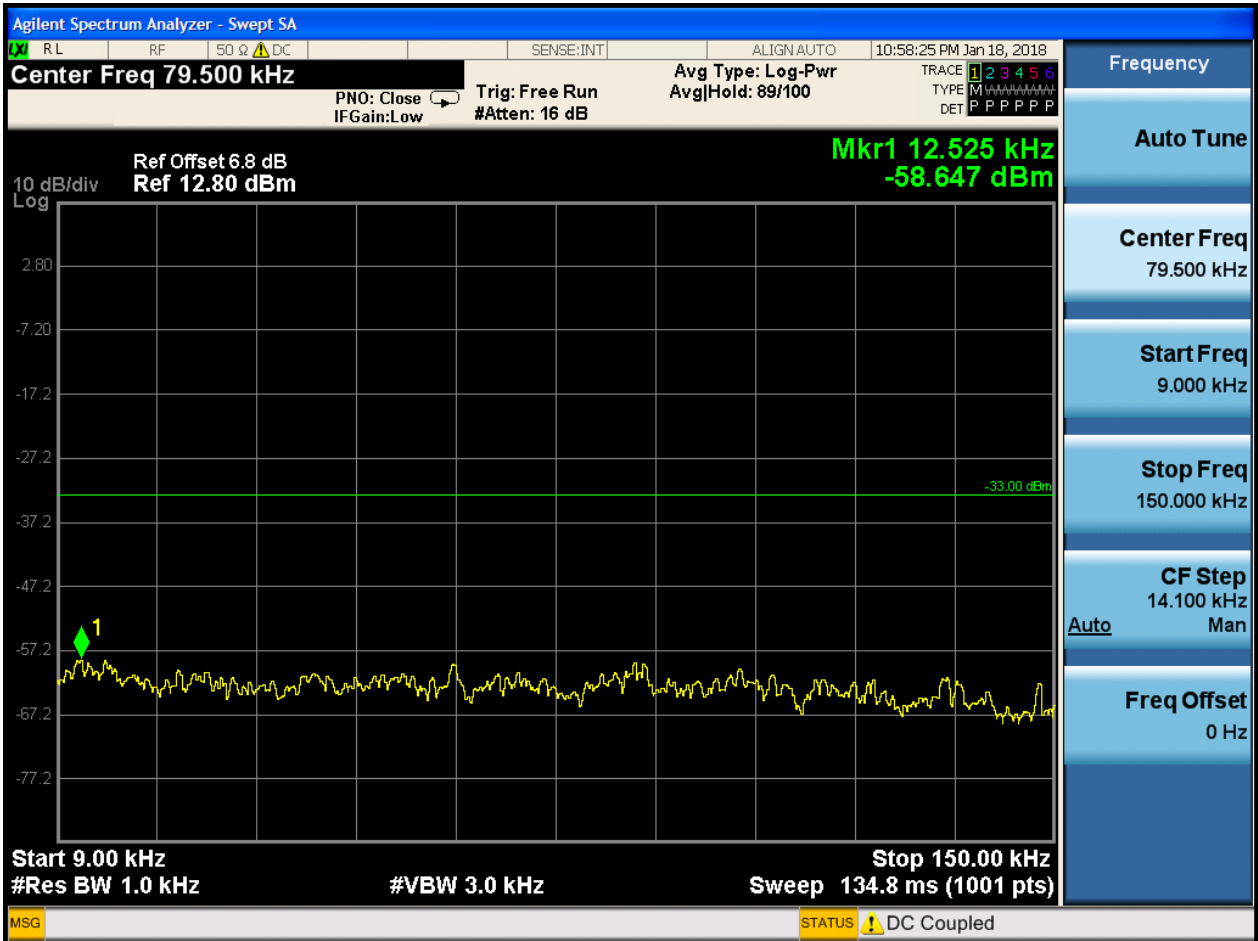


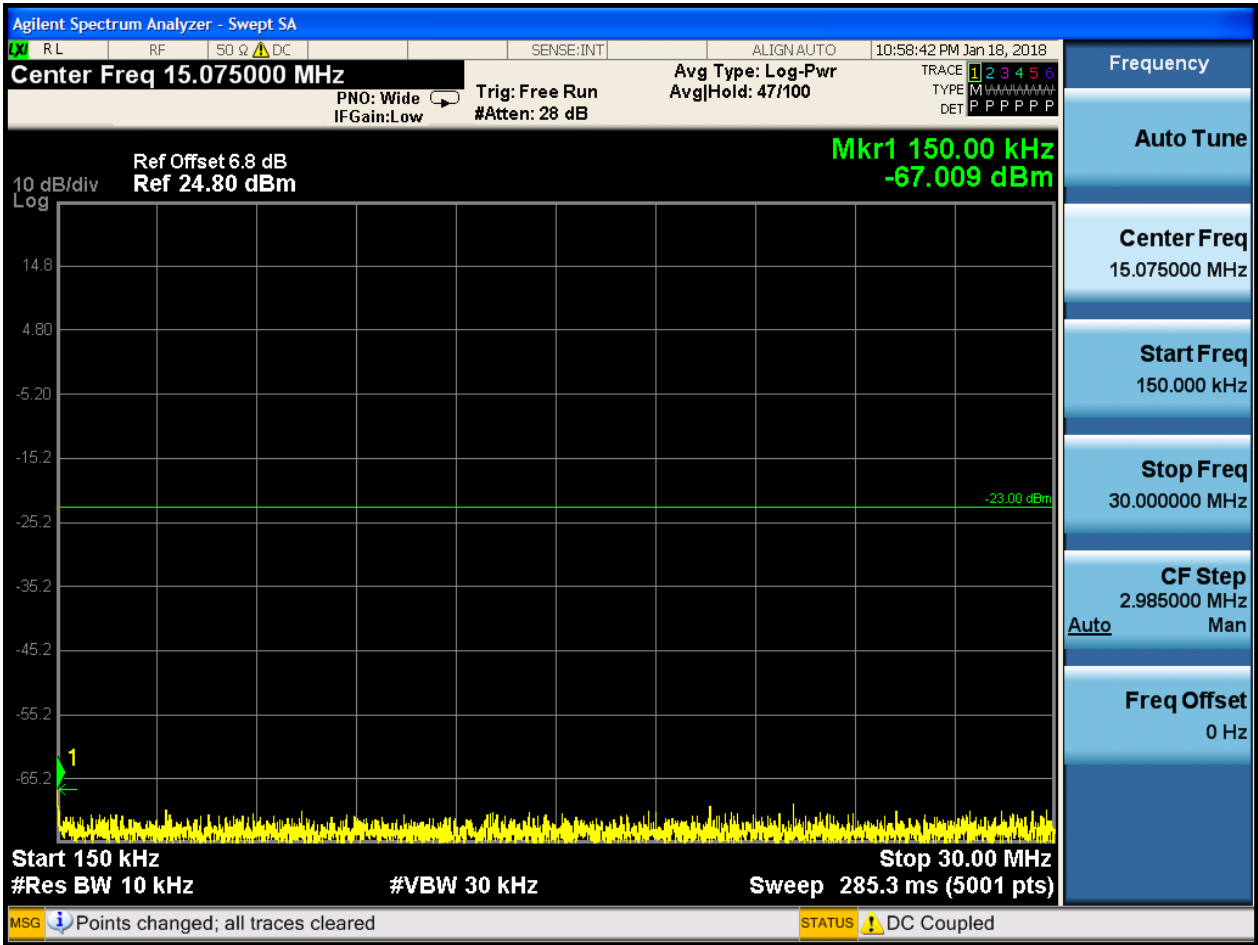


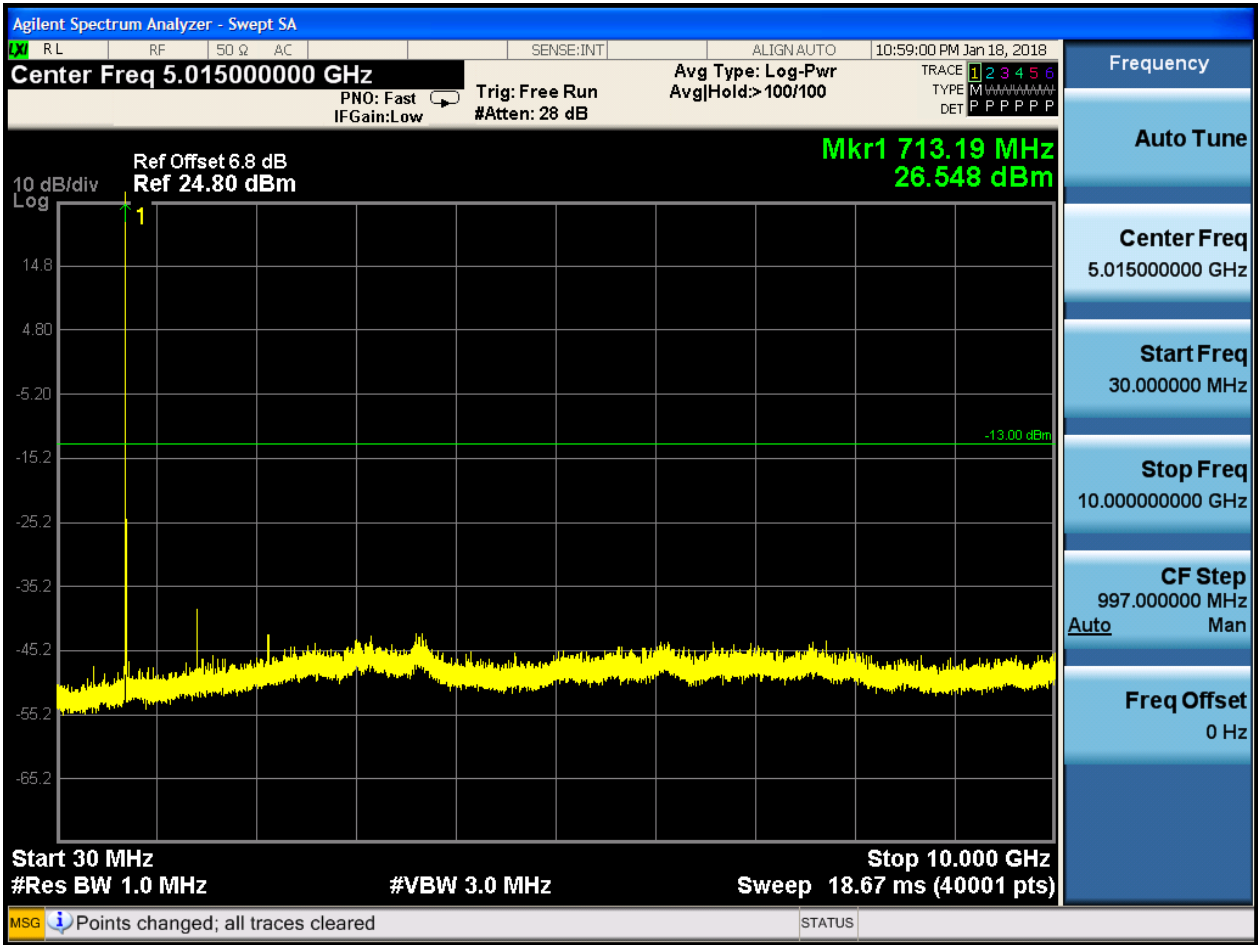


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





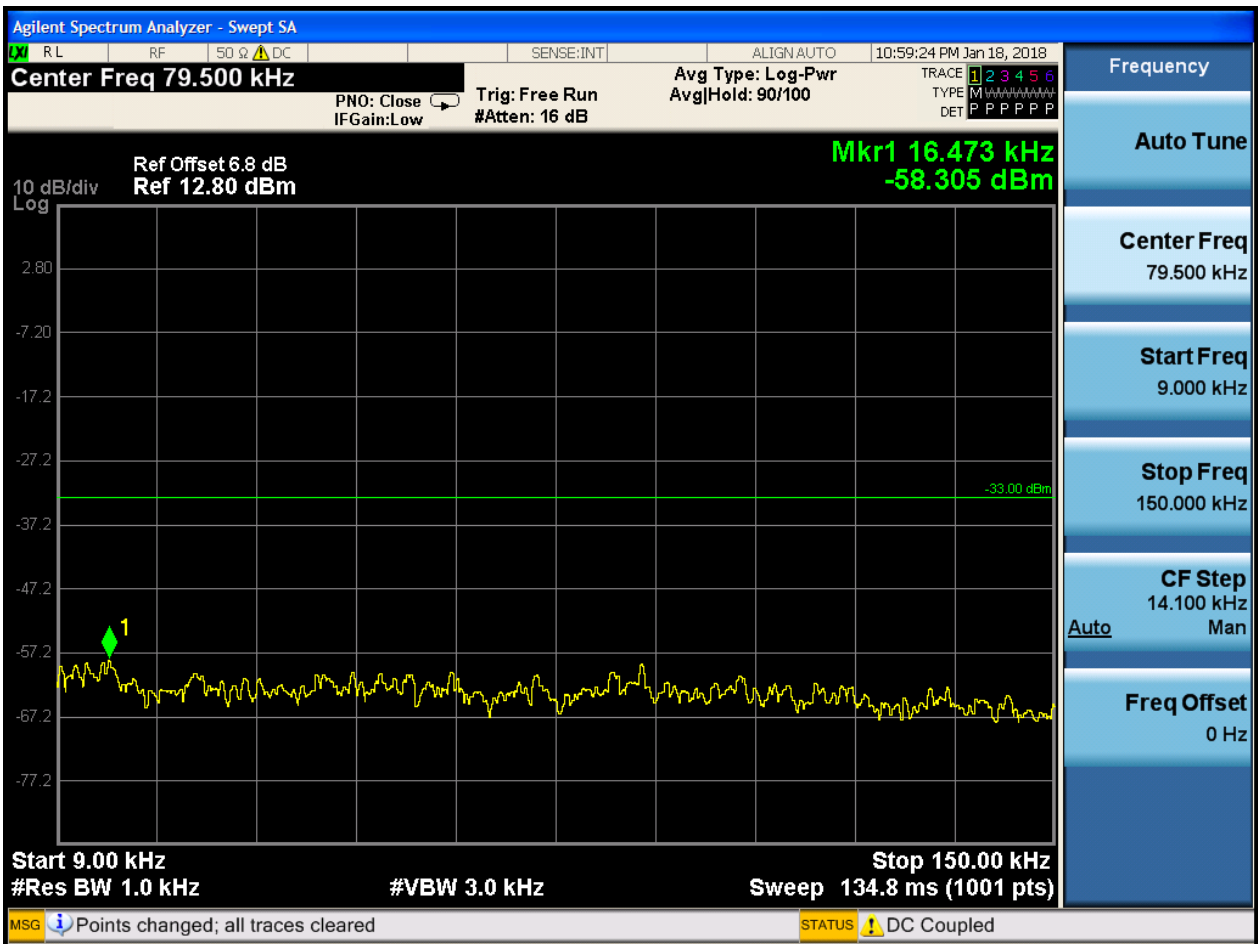


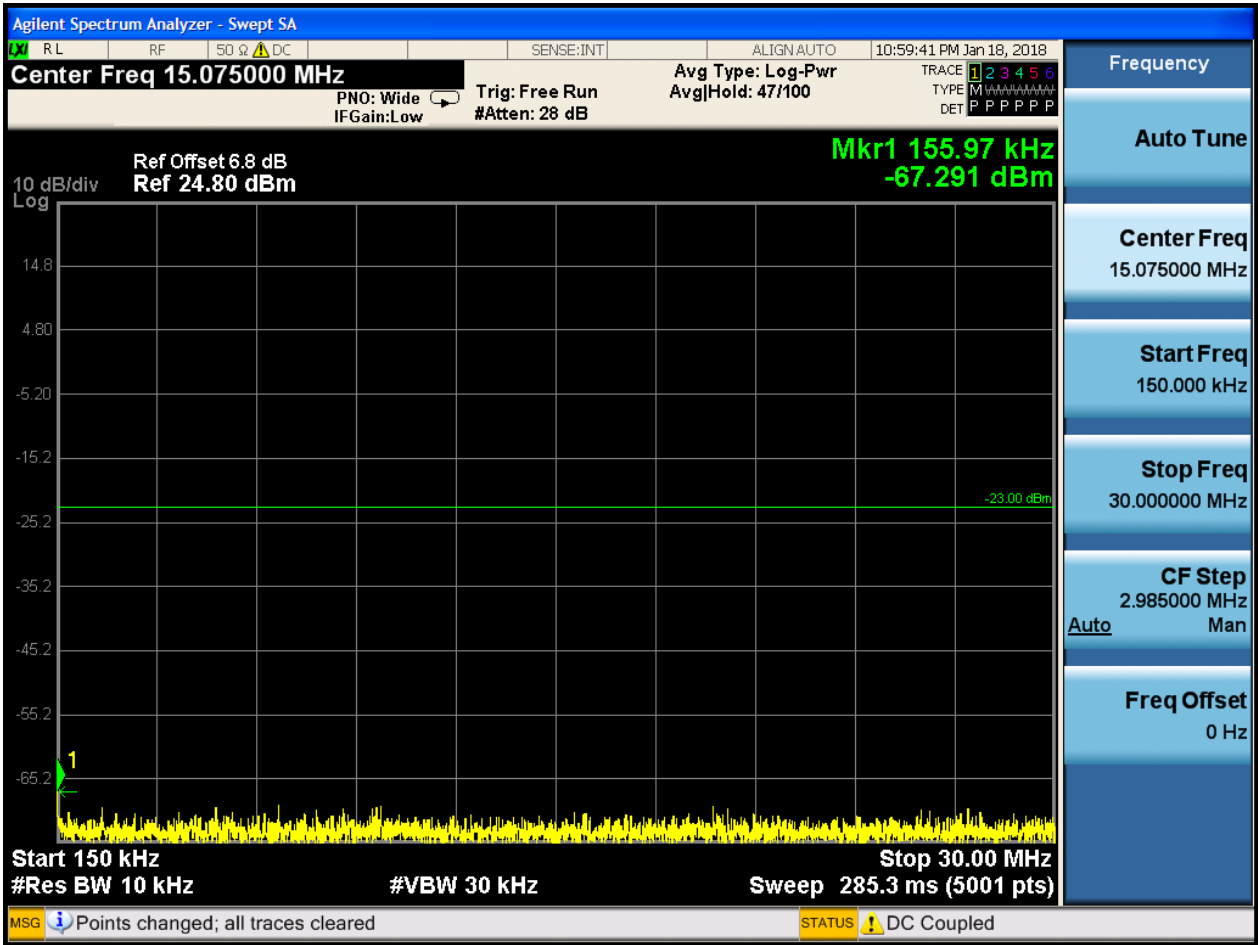


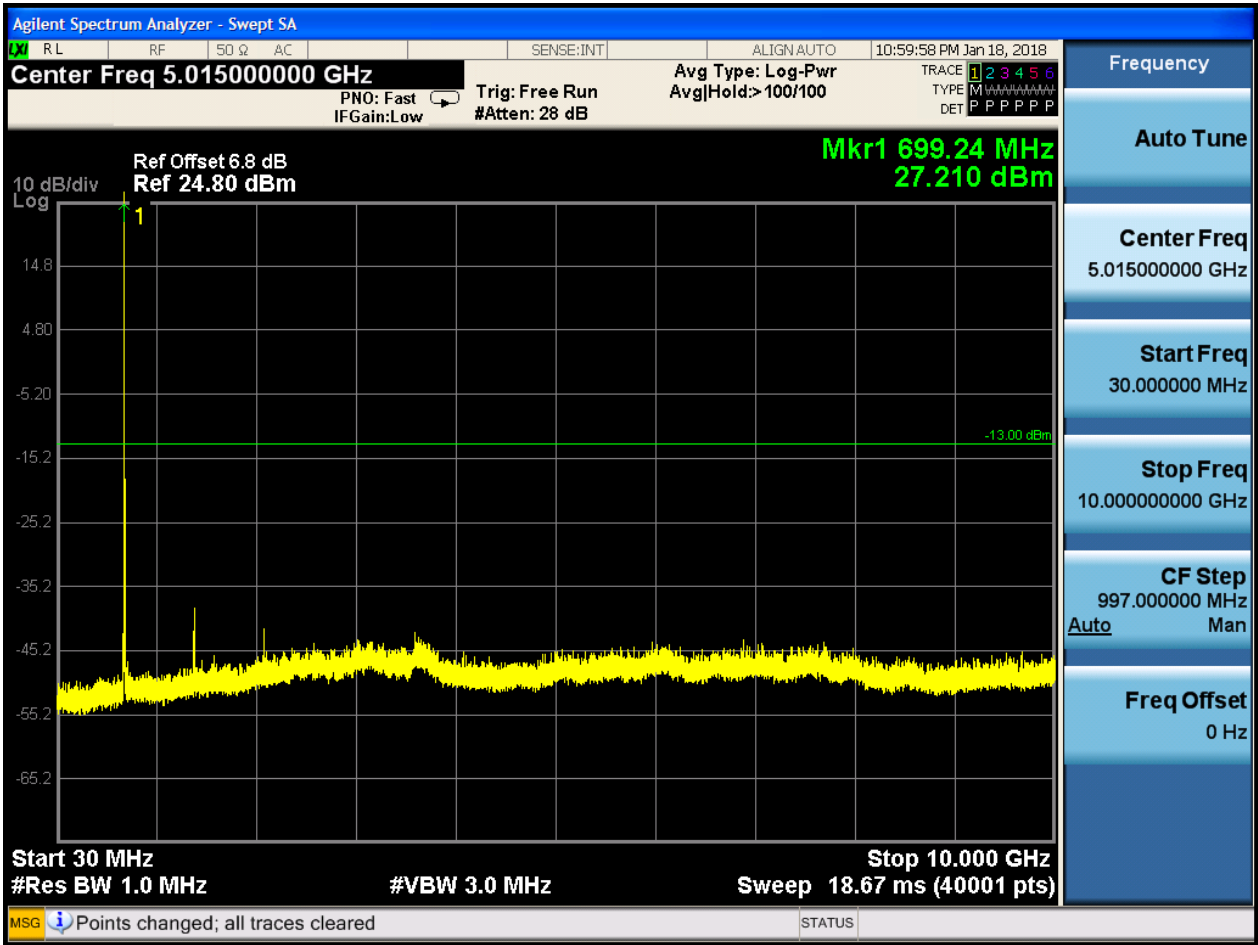
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

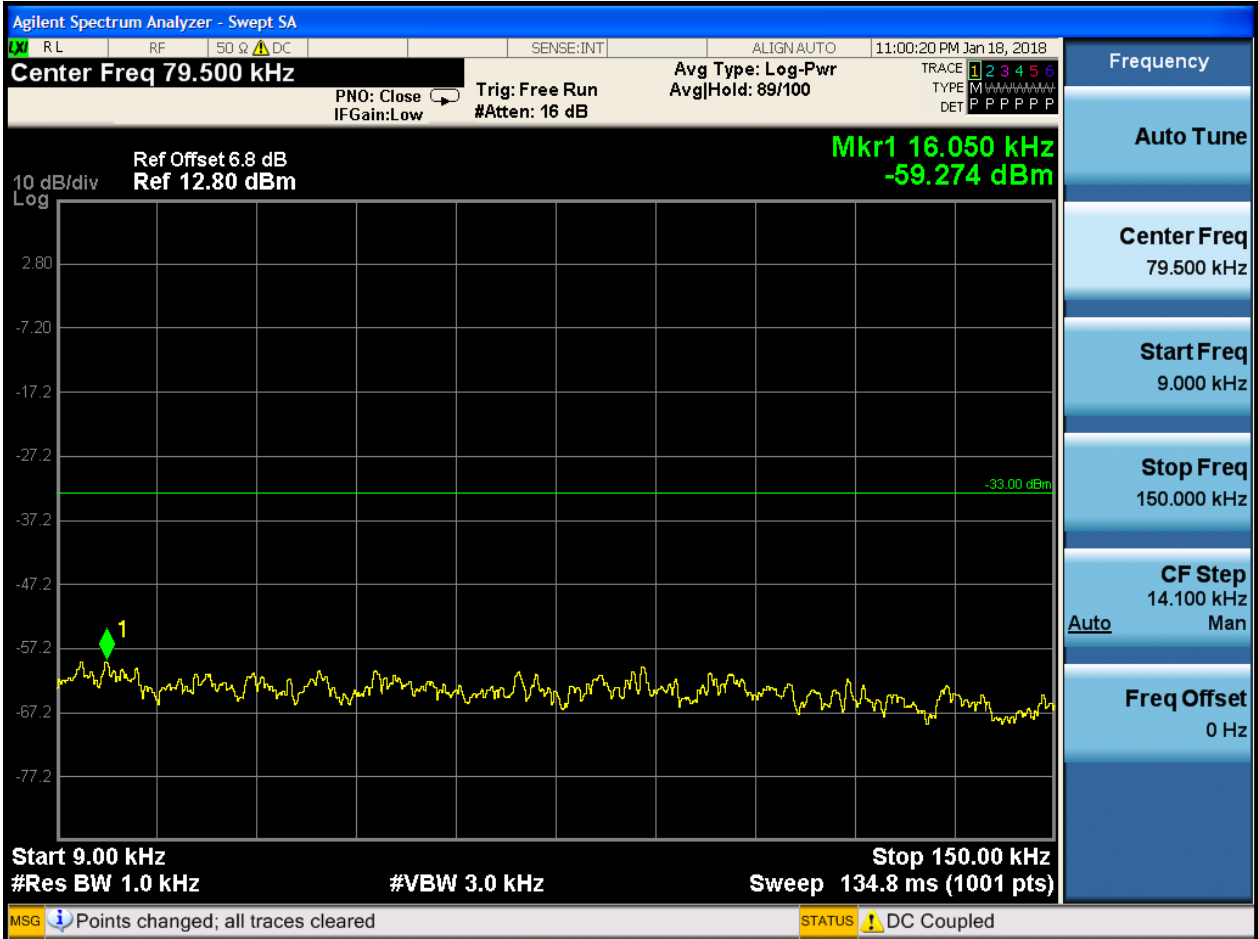






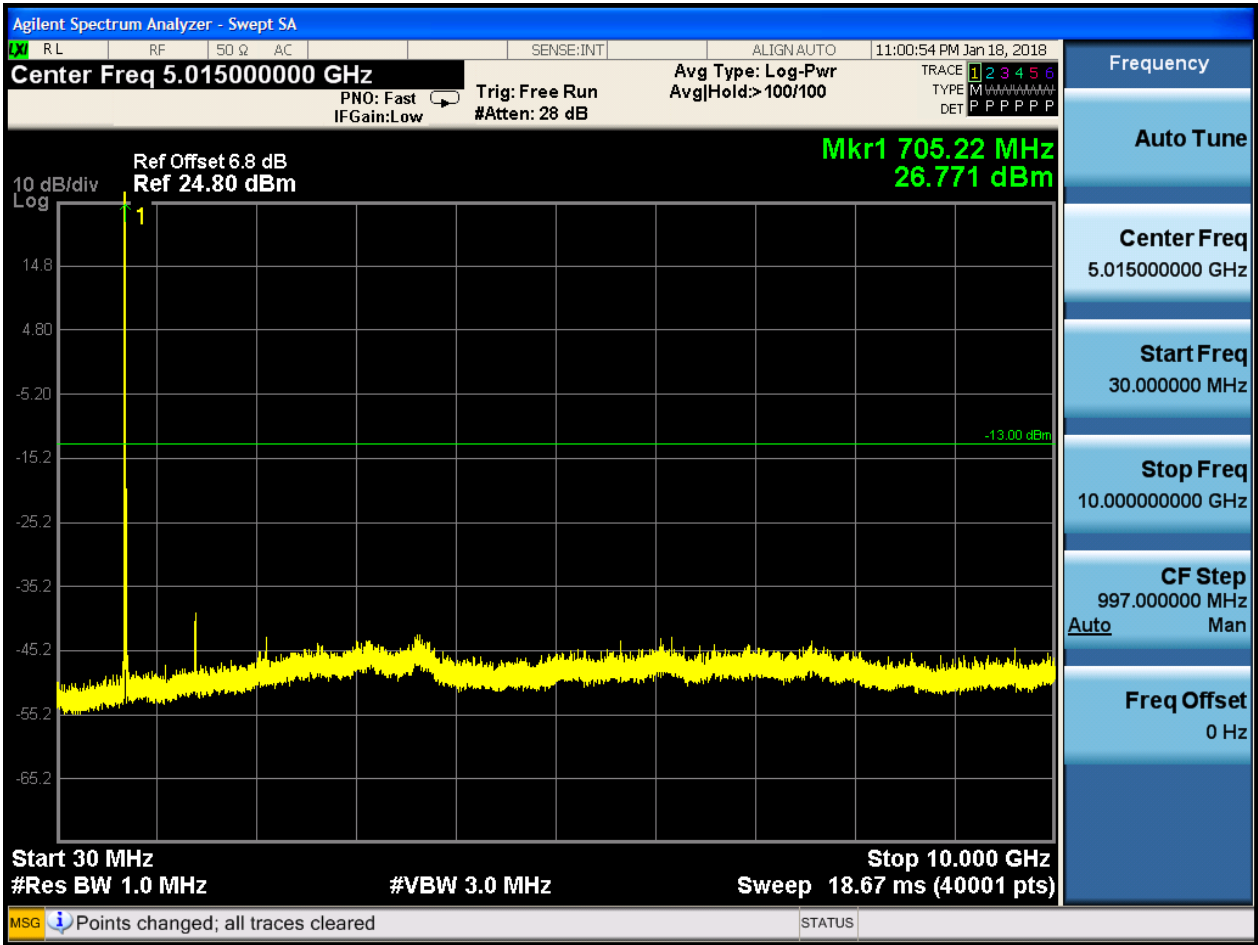
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





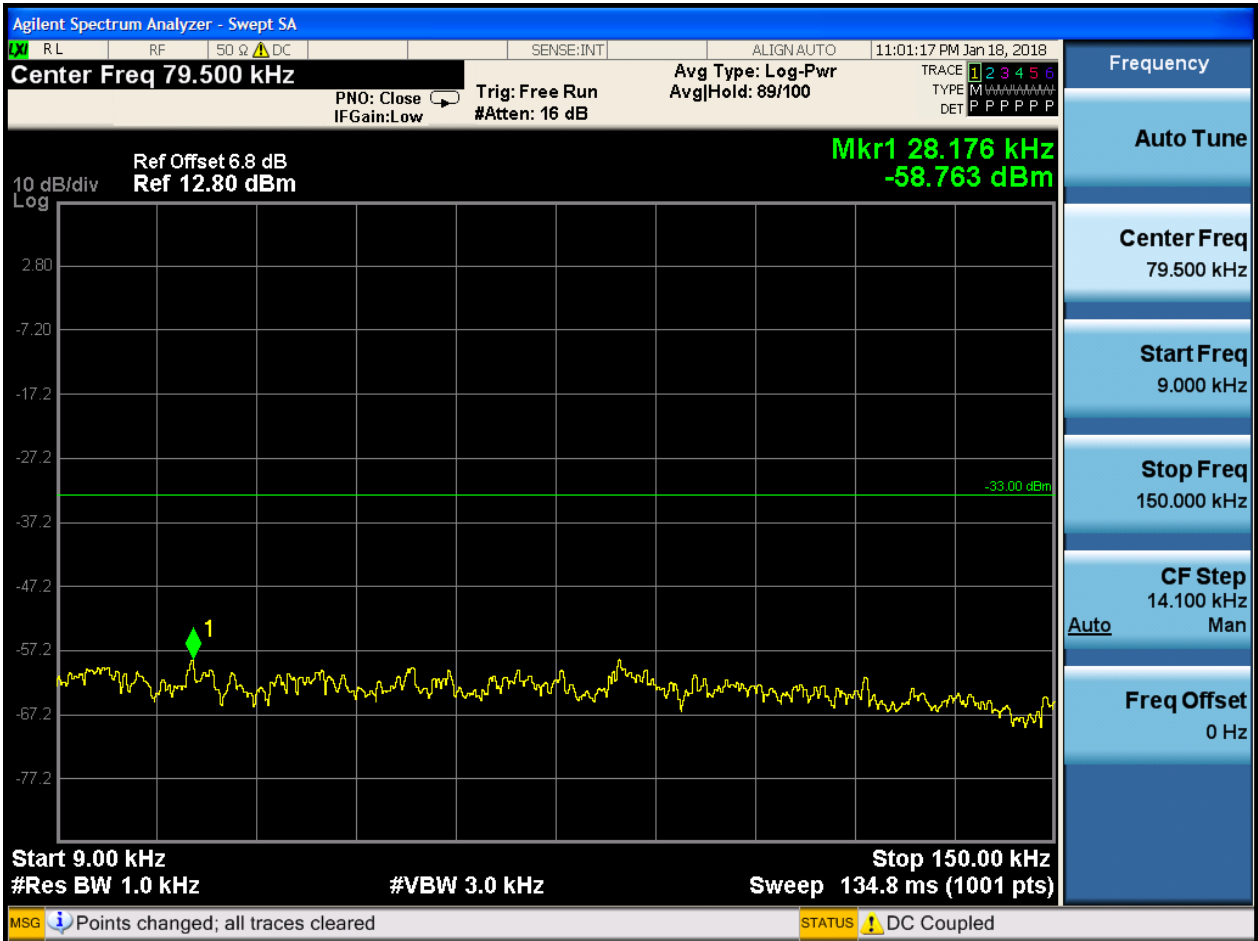


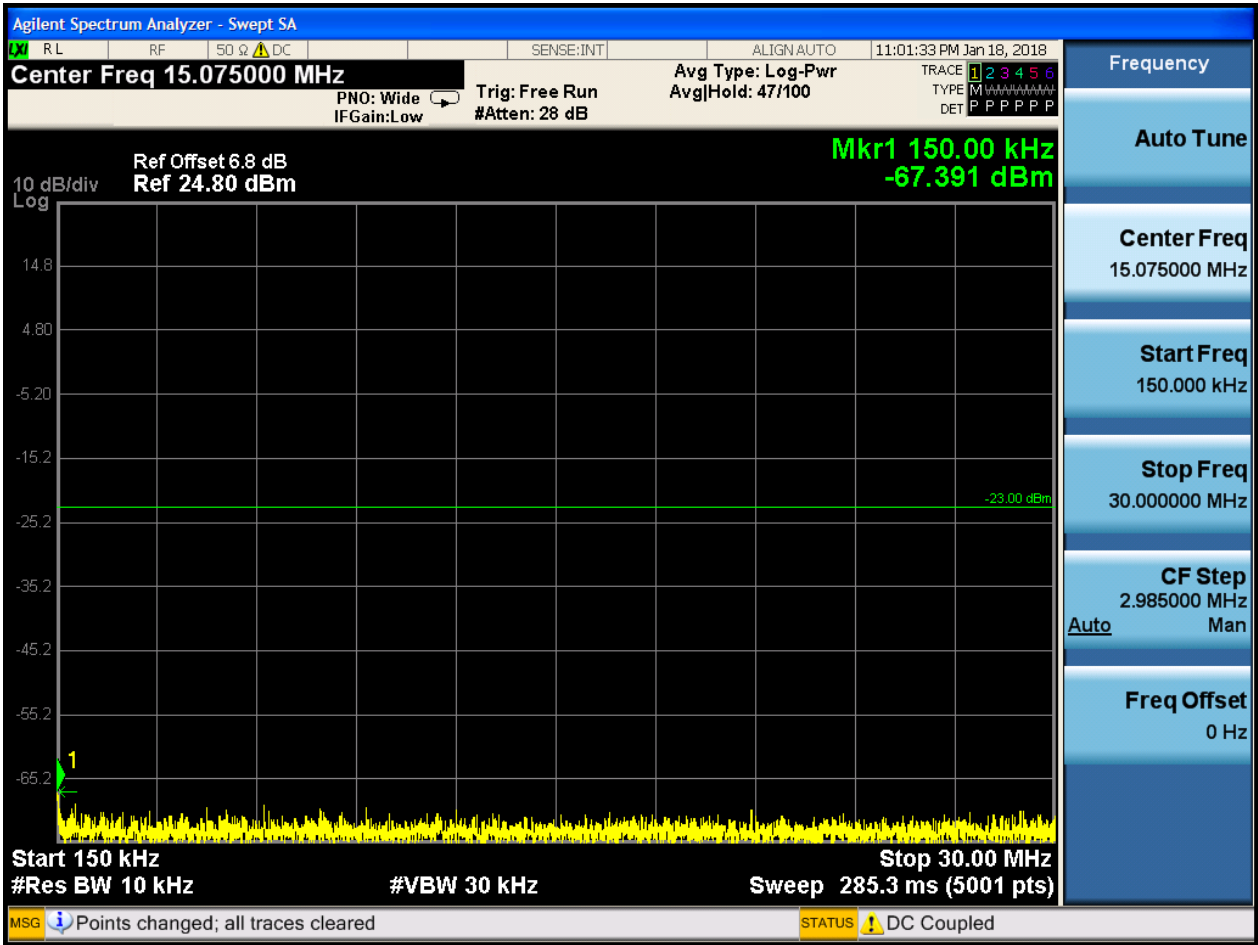


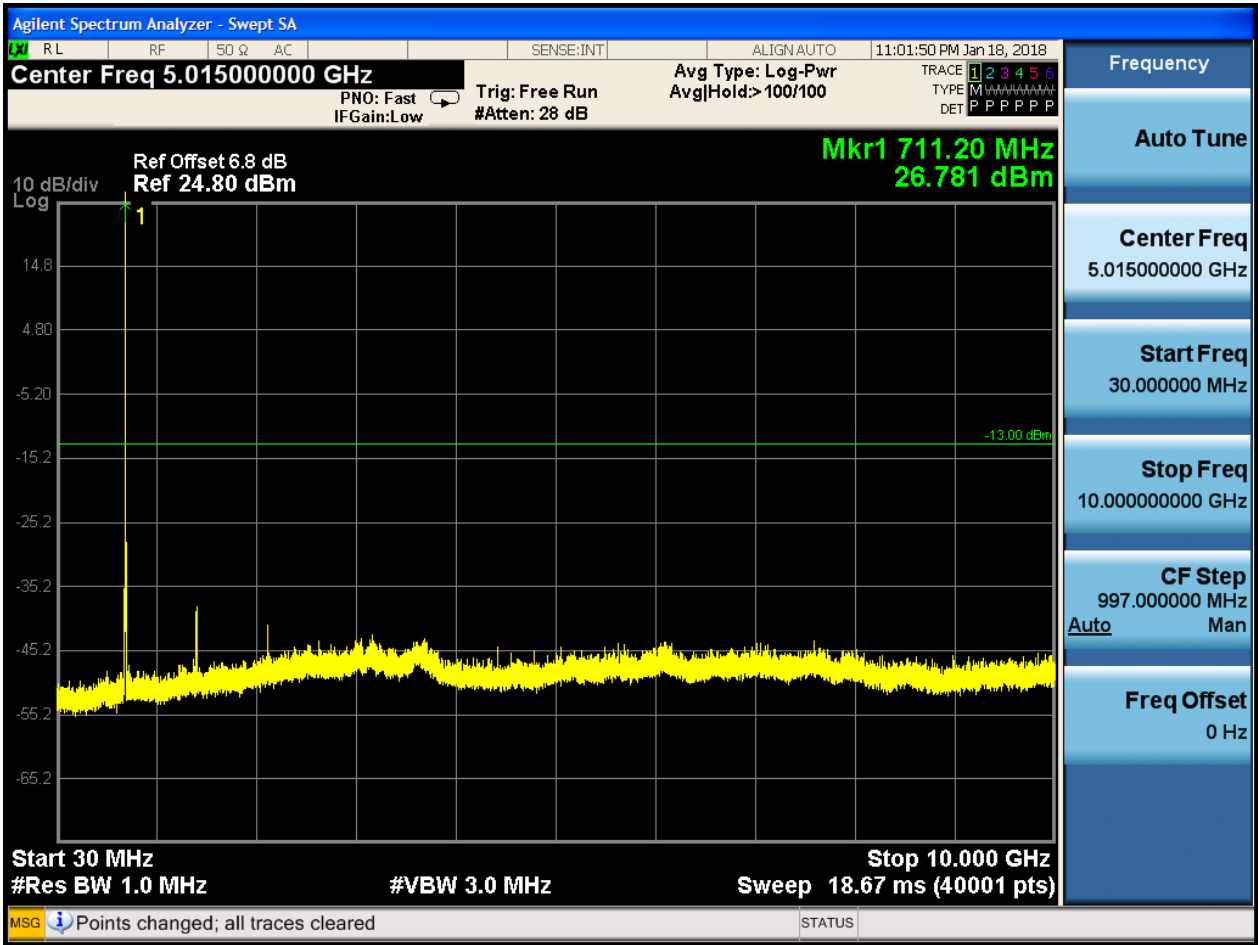


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





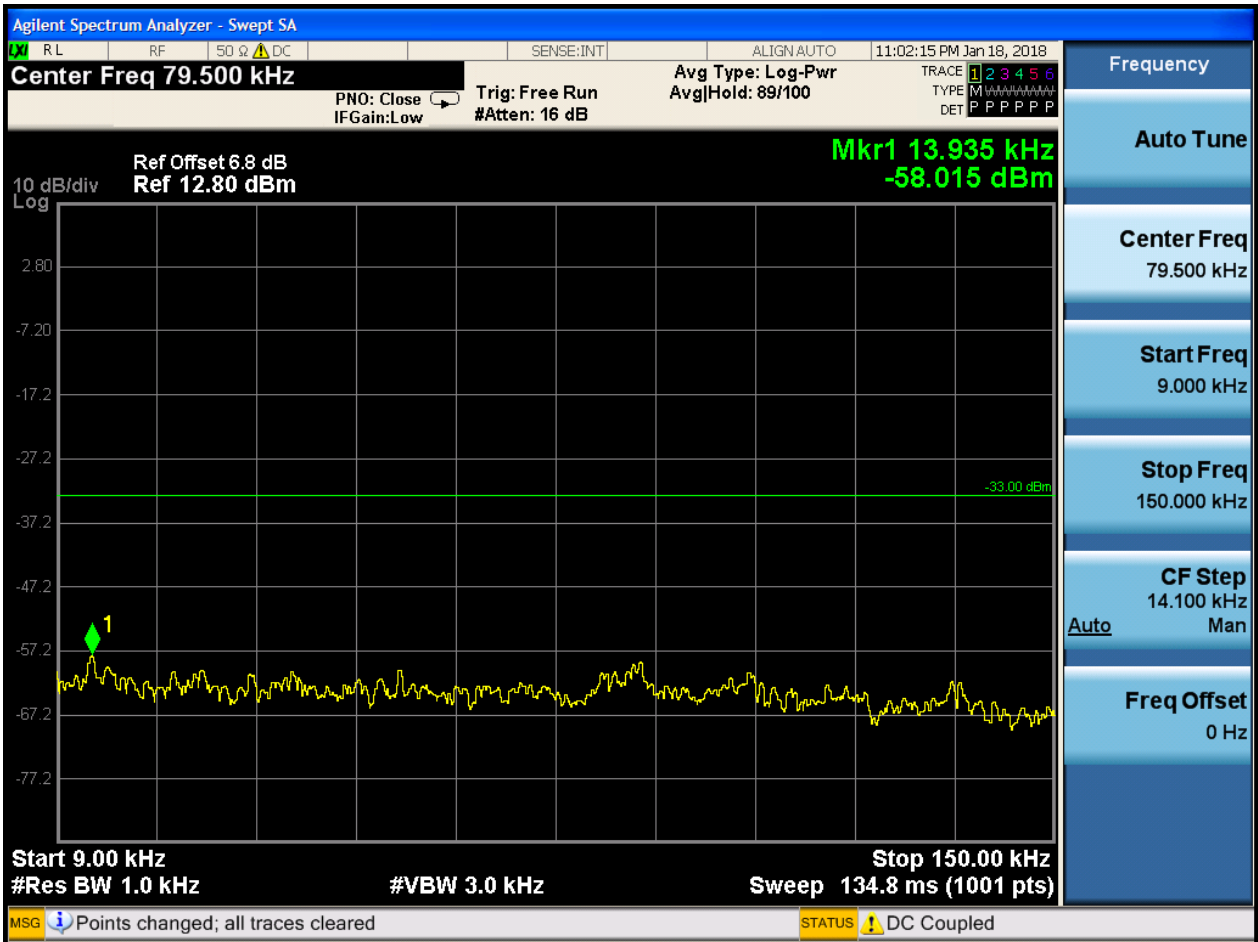




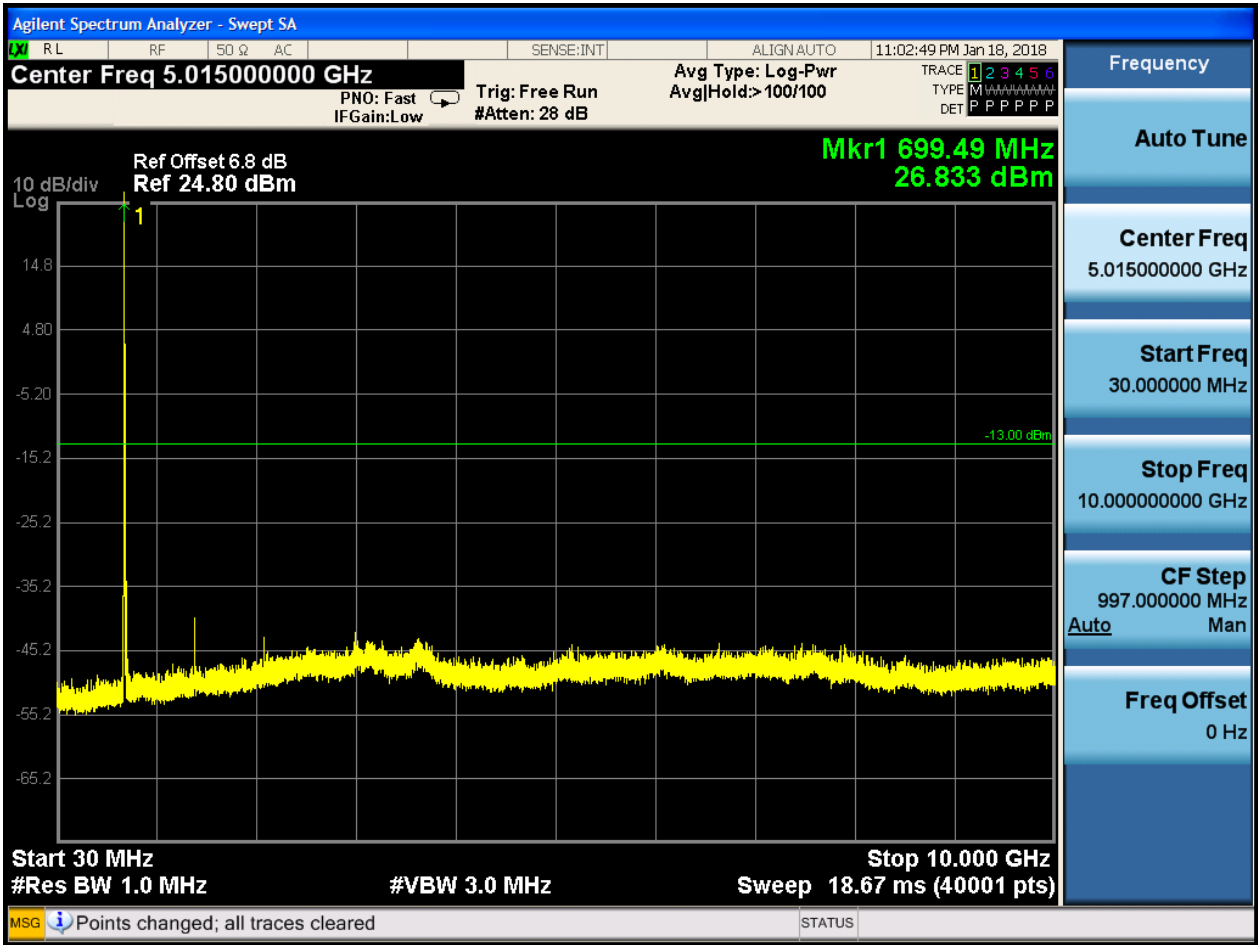
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



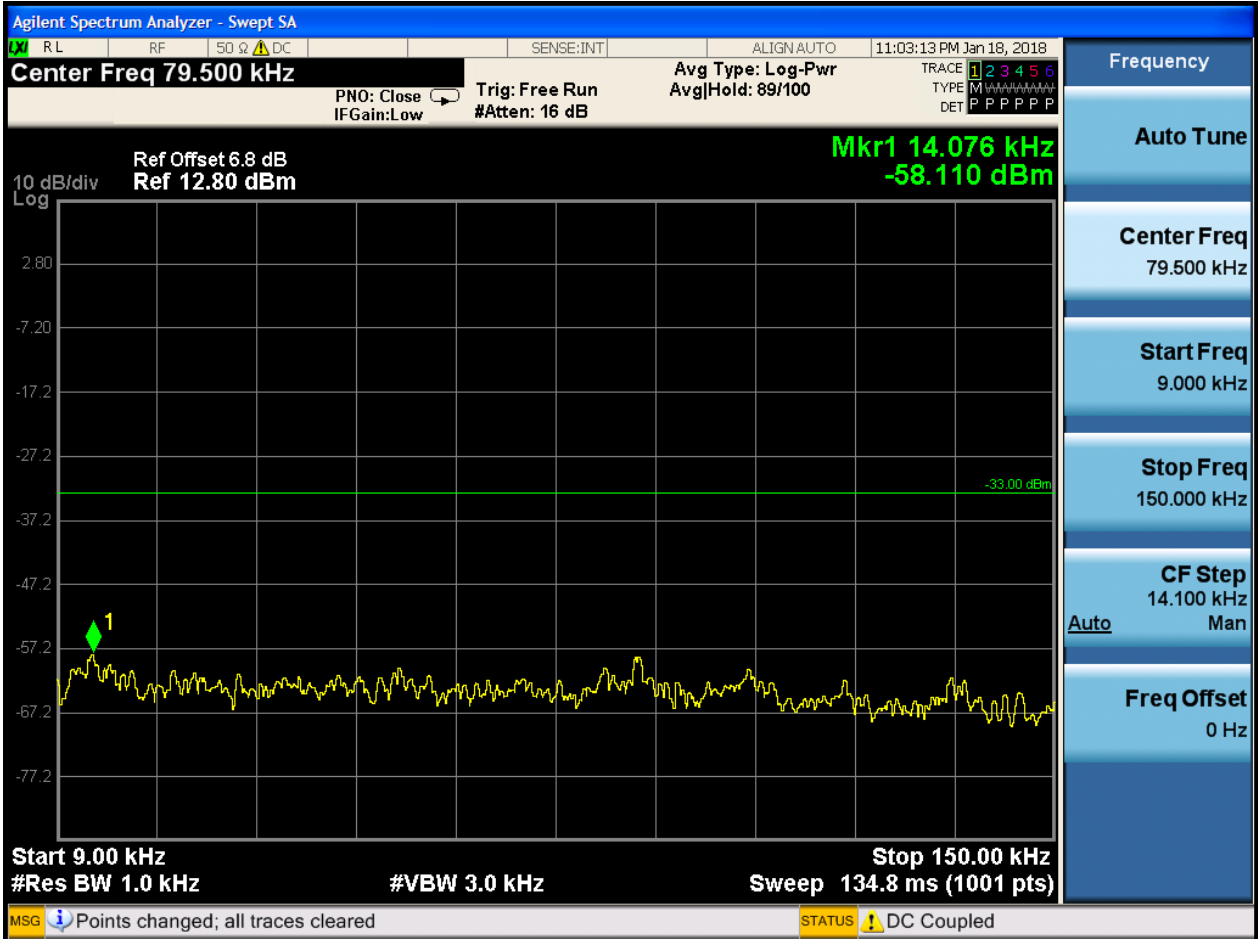




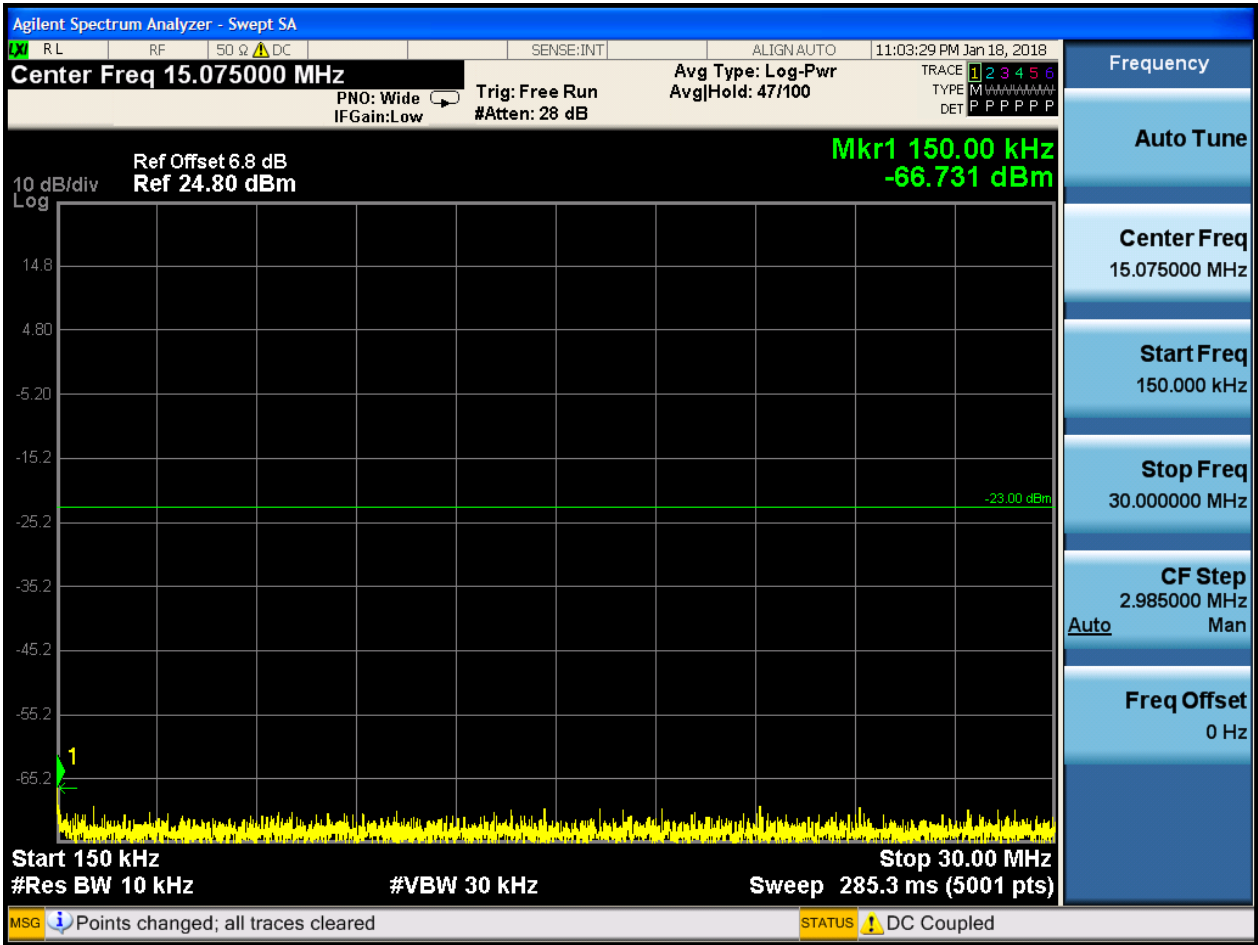


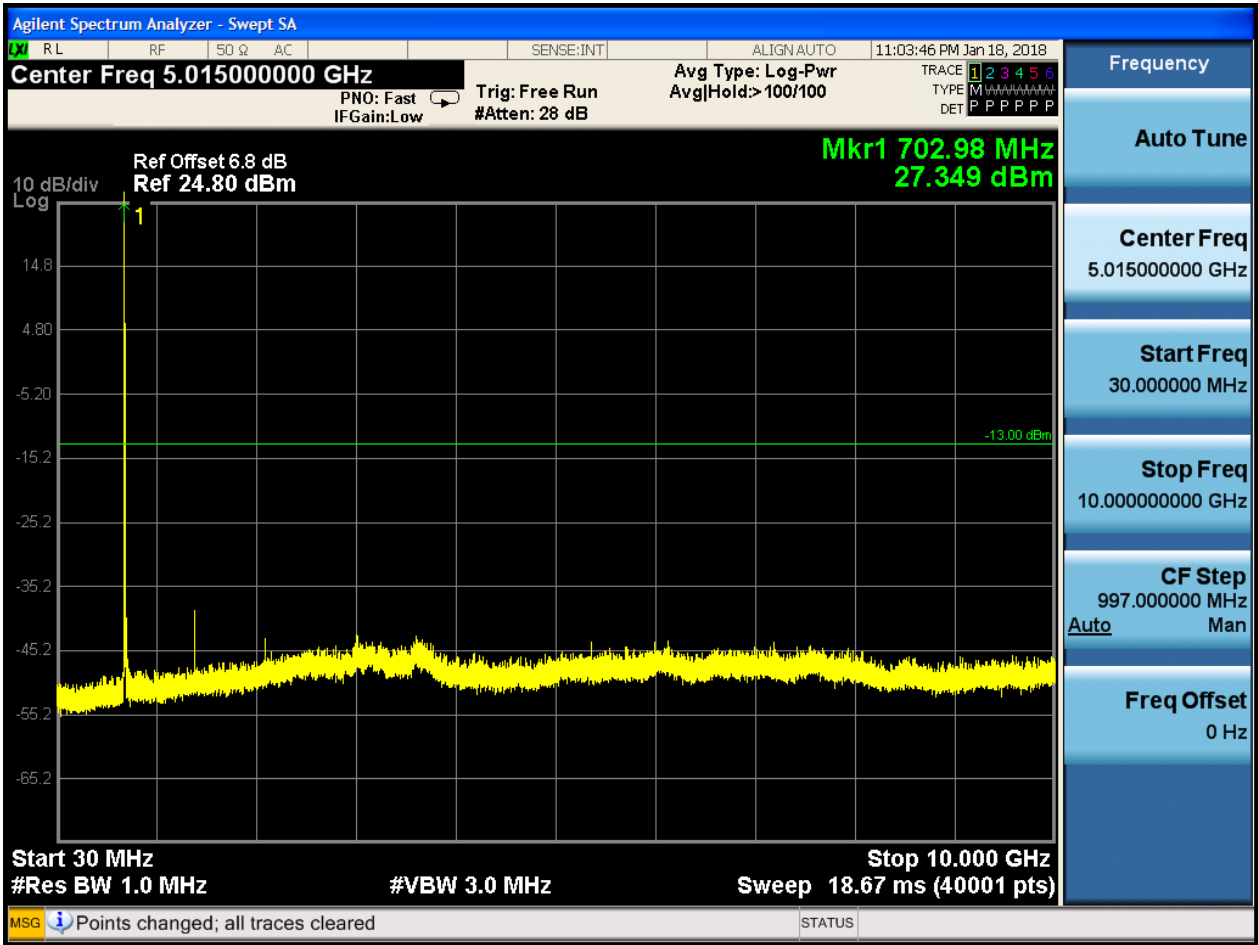
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



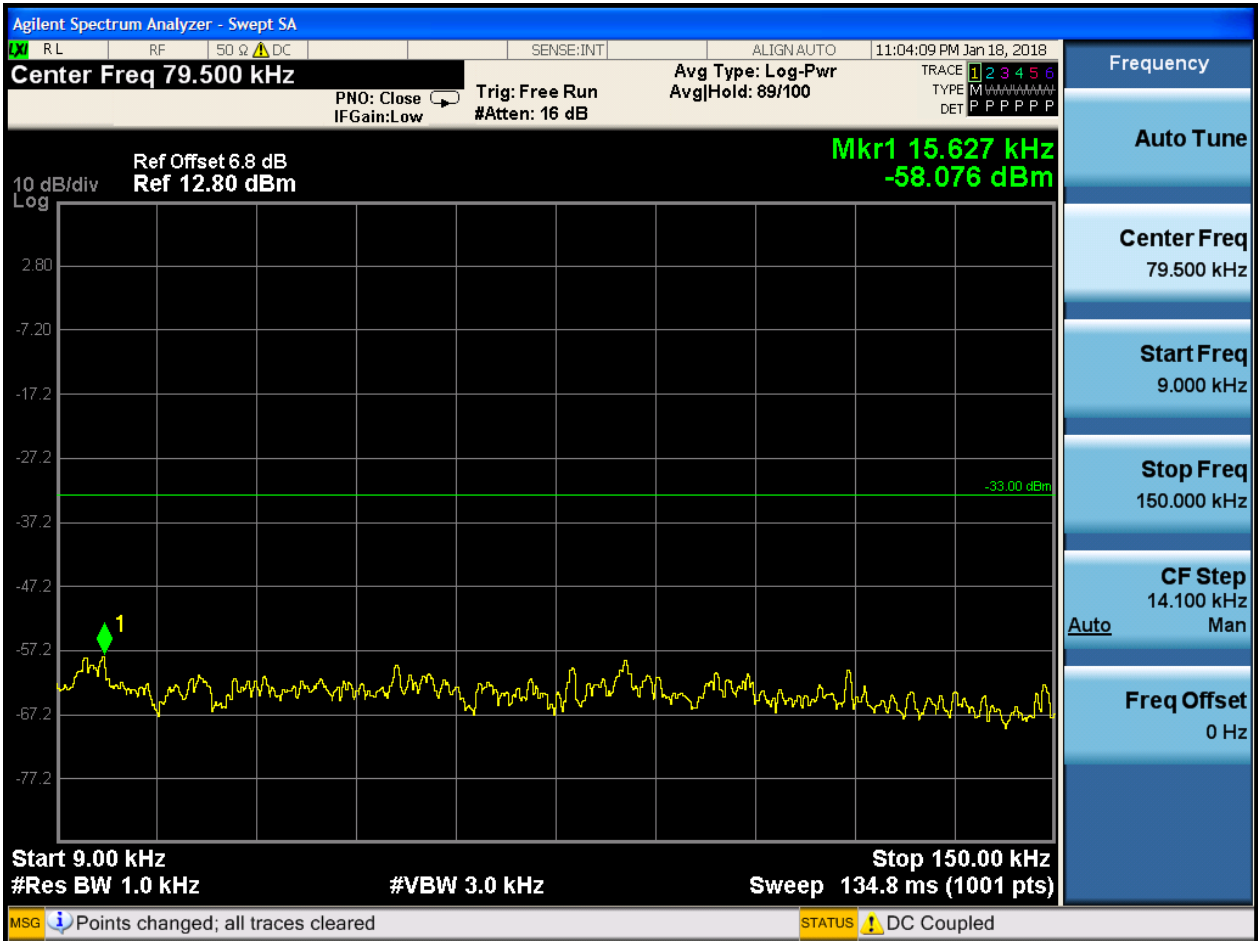


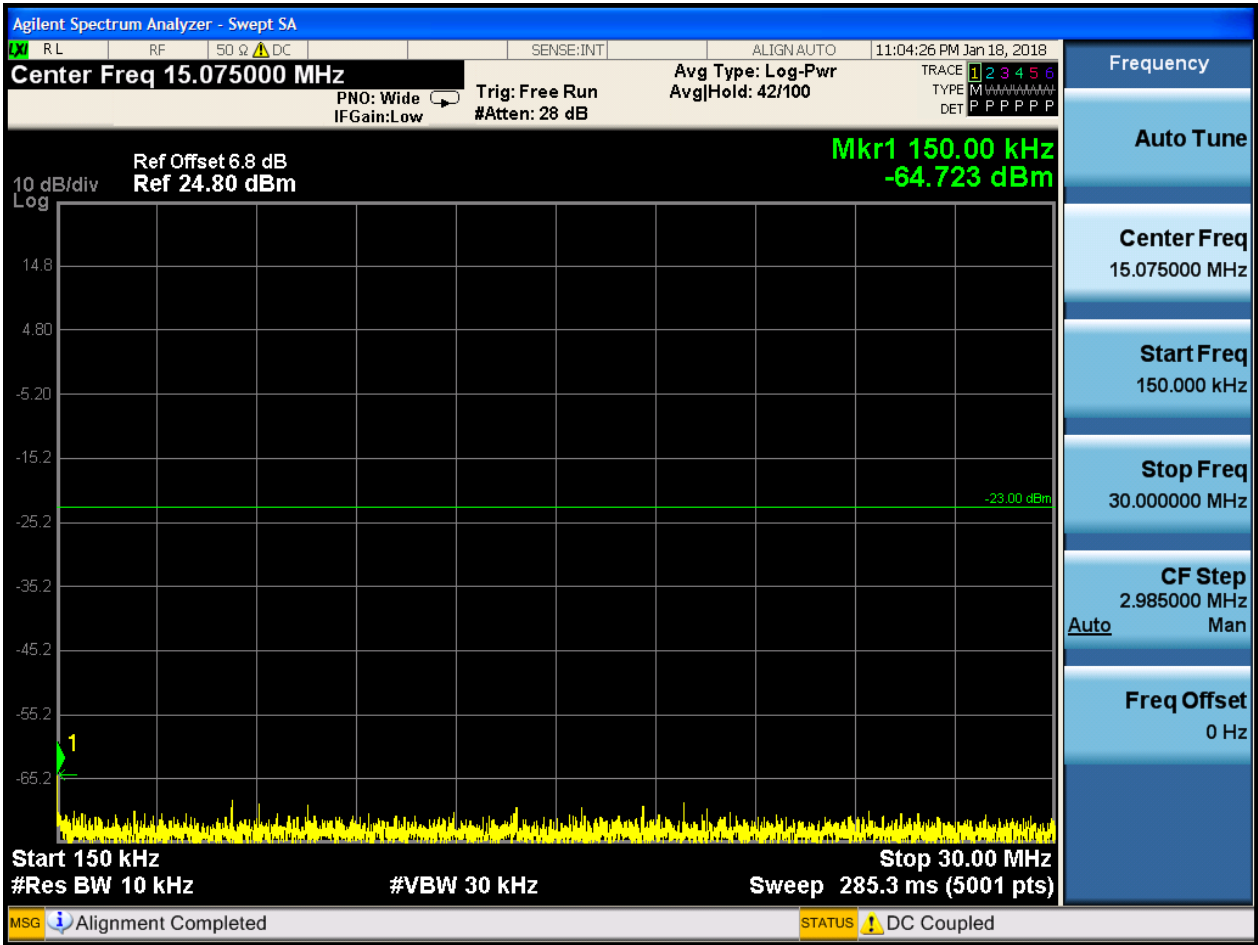


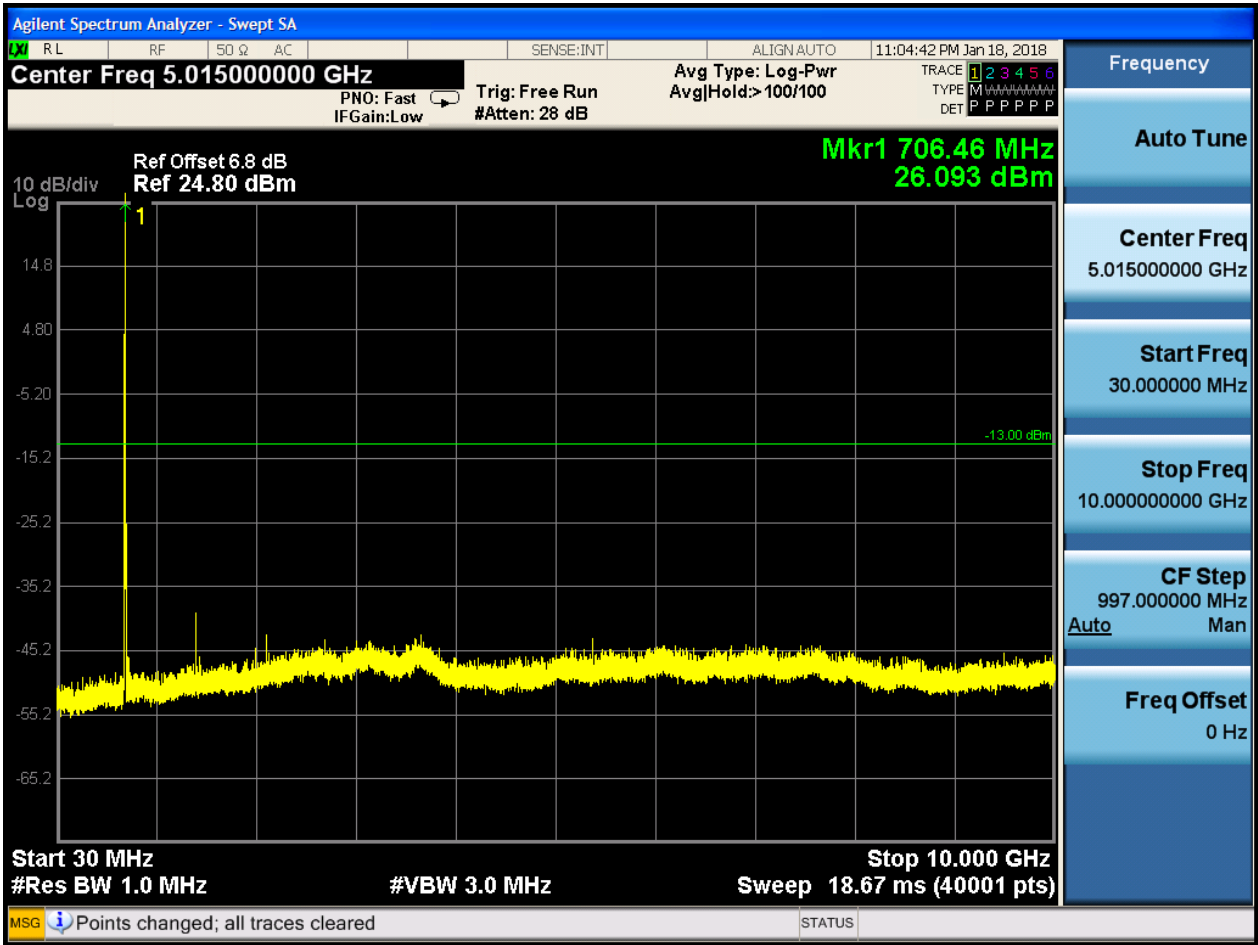


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







## 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

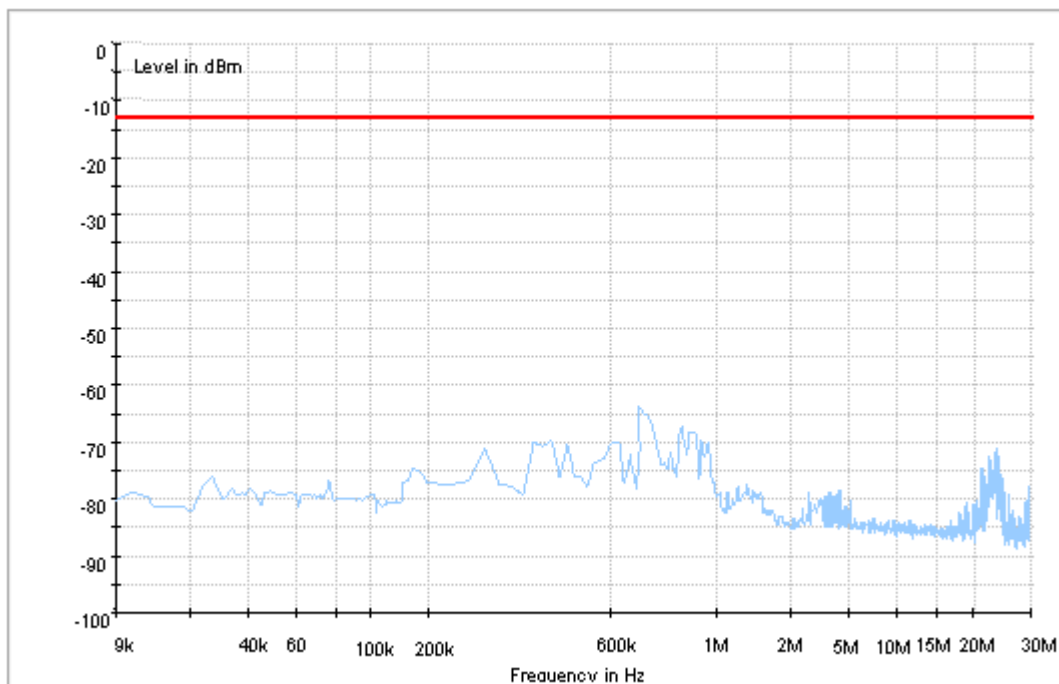
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

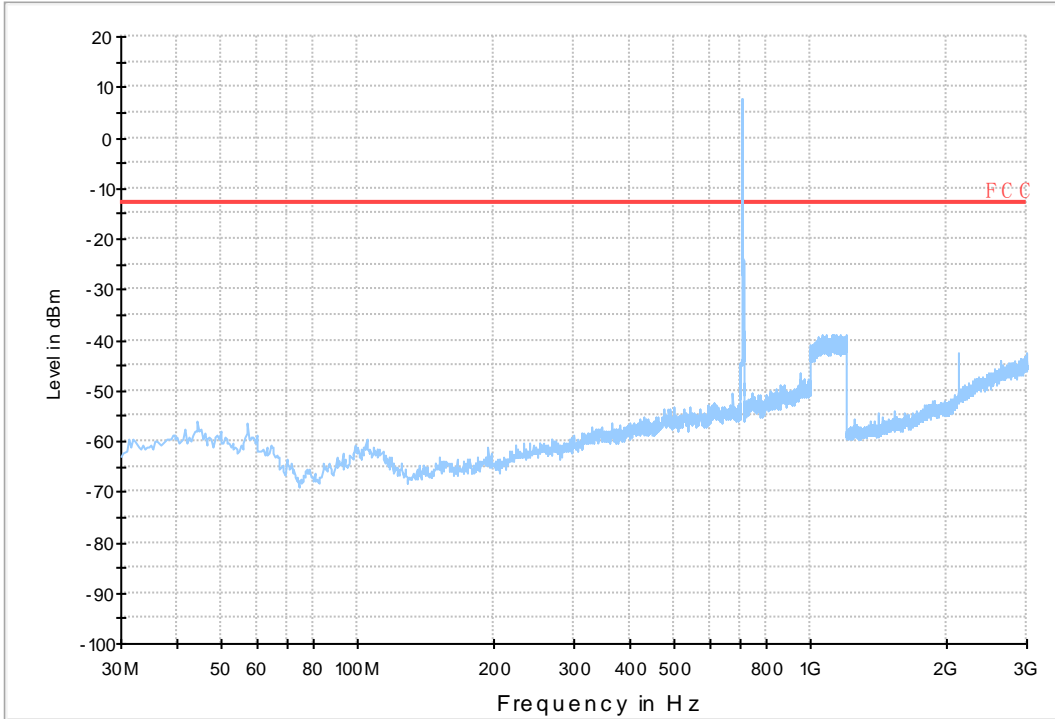
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND12

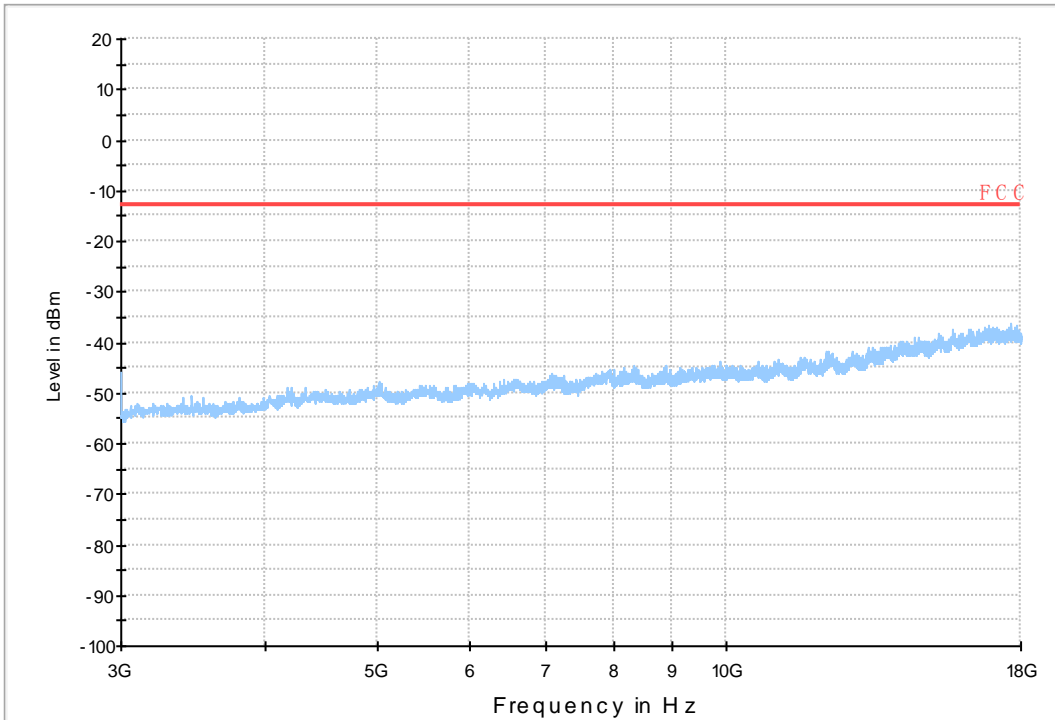
##### 7.1.1.1 Test Bandwidth = 1.4



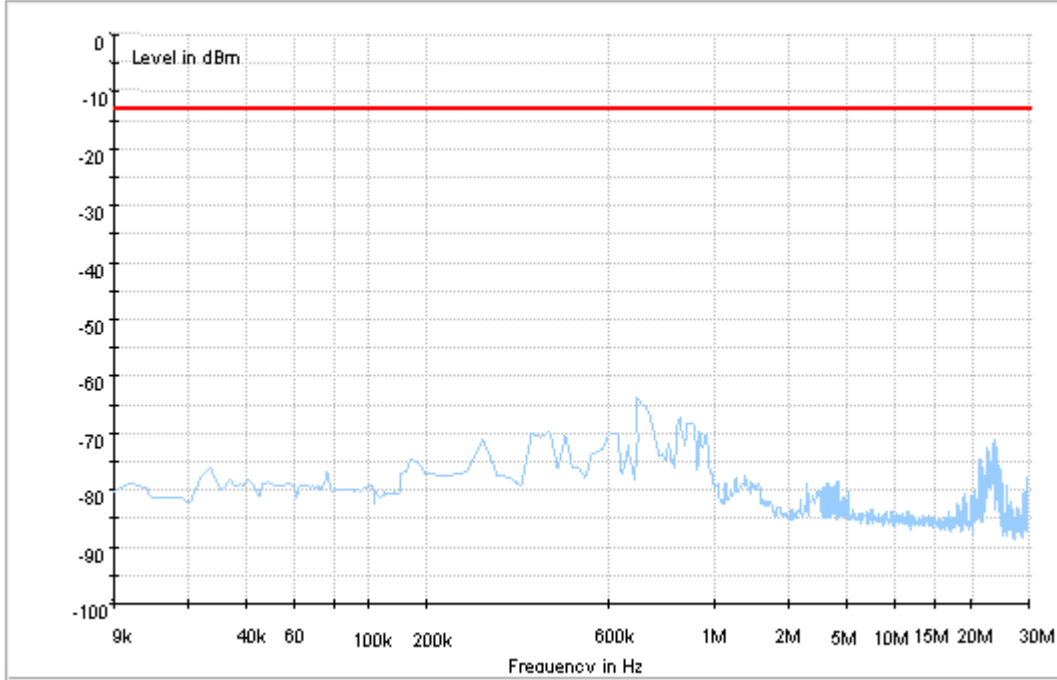
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



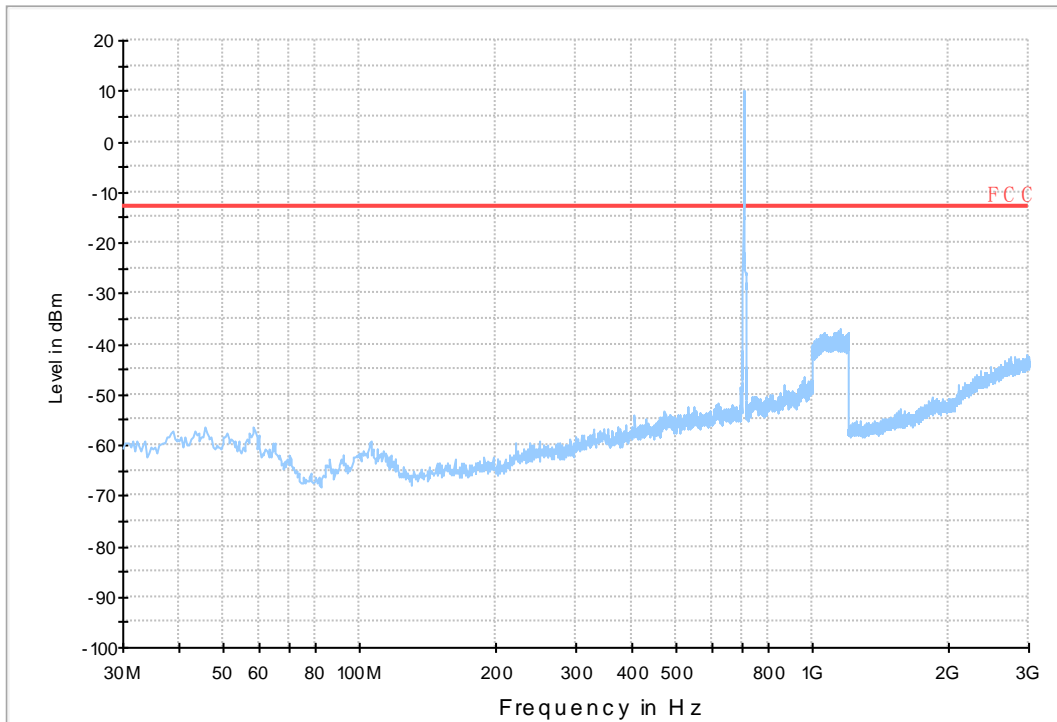
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



### 7.1.1.2 Test Bandwidth = 10

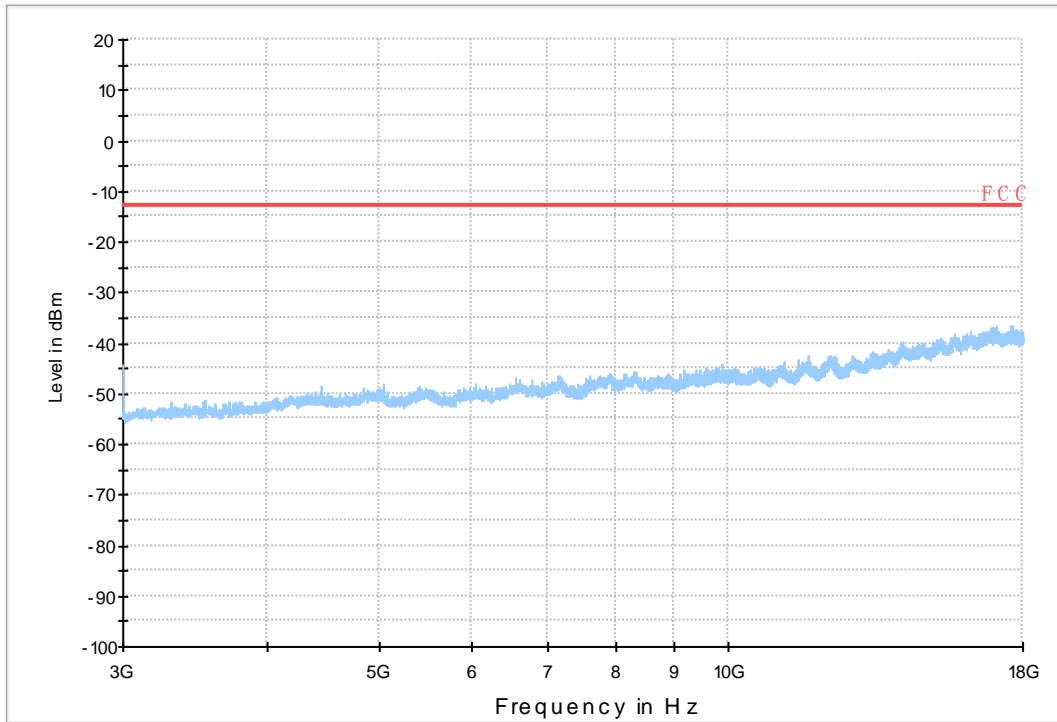


Copy of RSE-TX-DIRECTOR BELOW 1G\_L



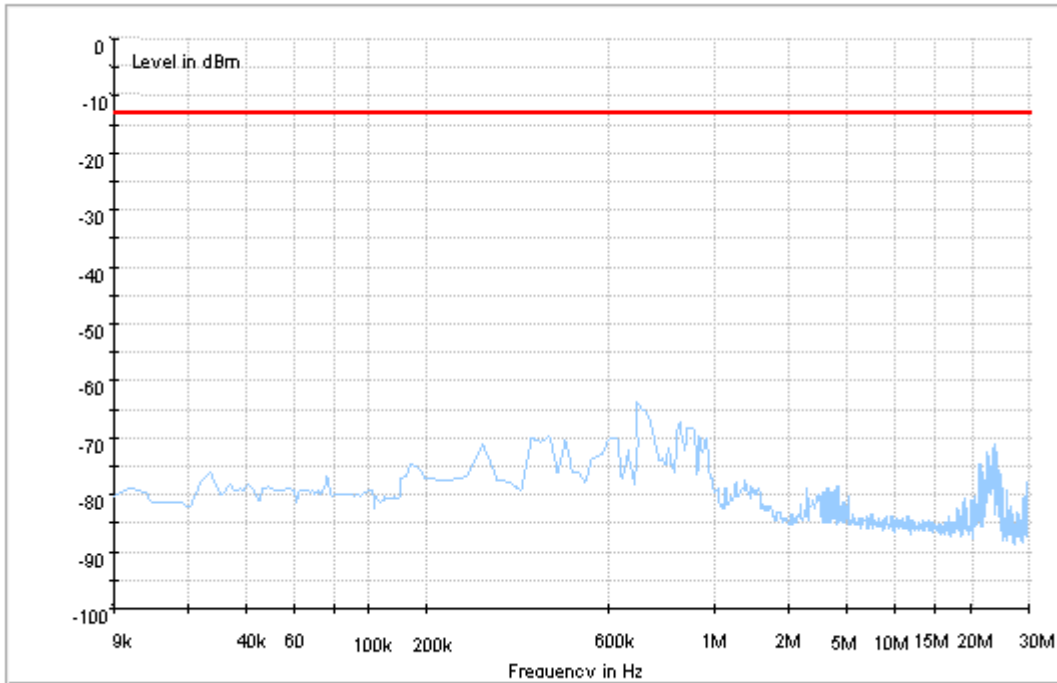


Copy of RSE-TX-DIRECTOR BELOW 1G\_H

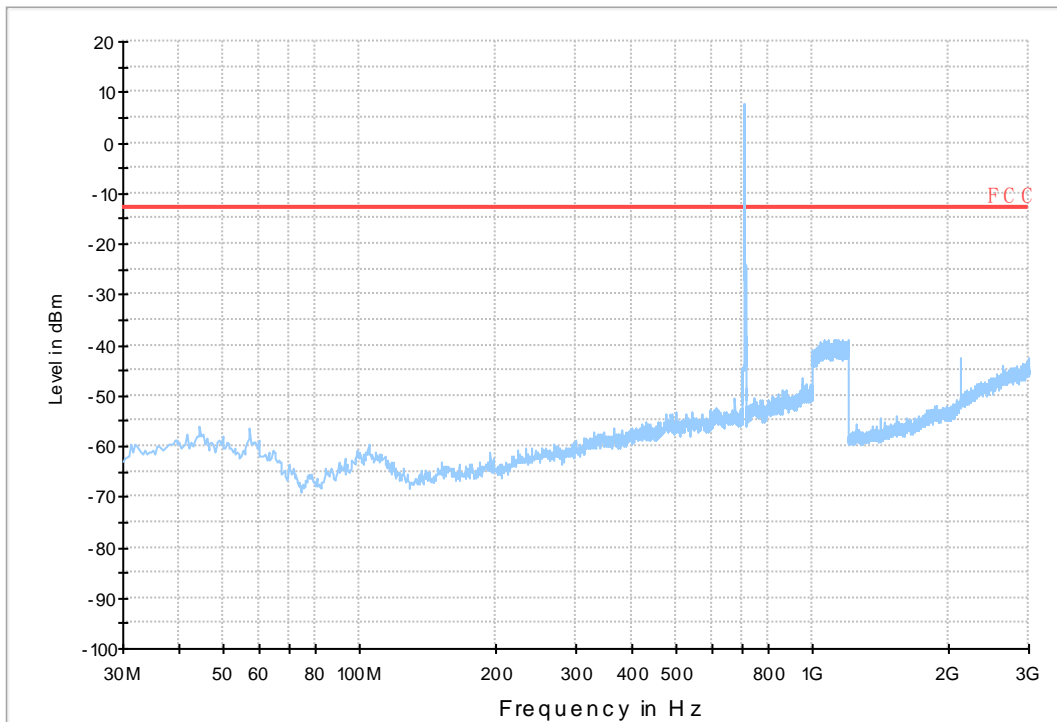


### 7.1.2 Test Band = BAND12\_ANT2

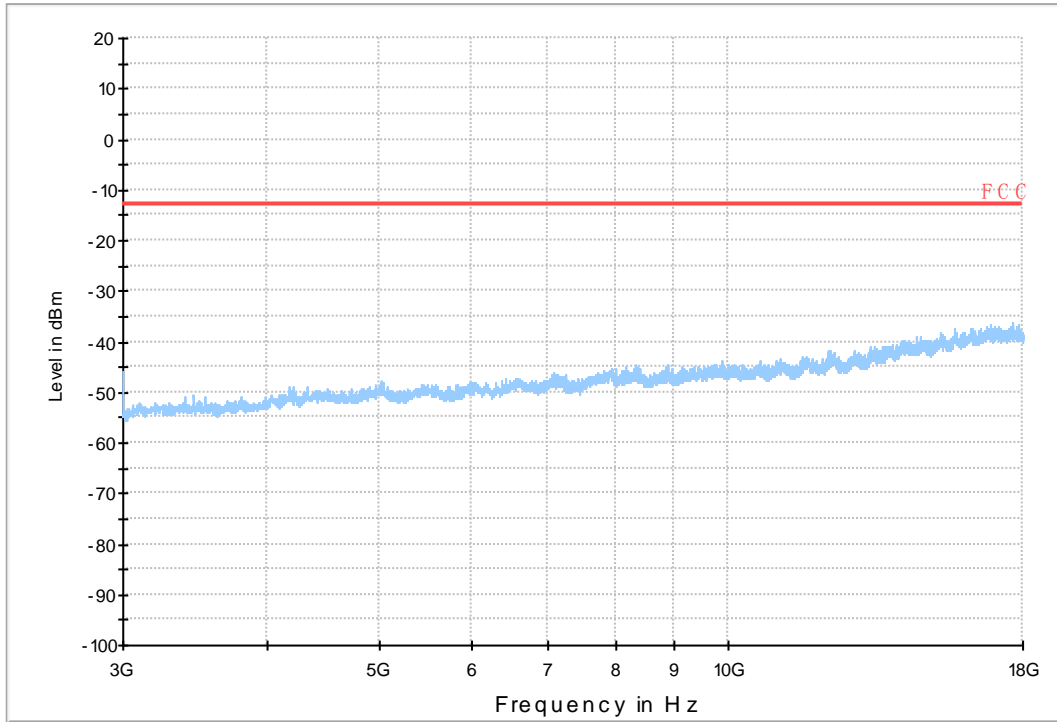
#### 7.1.2.1 Test Bandwidth = 1.4



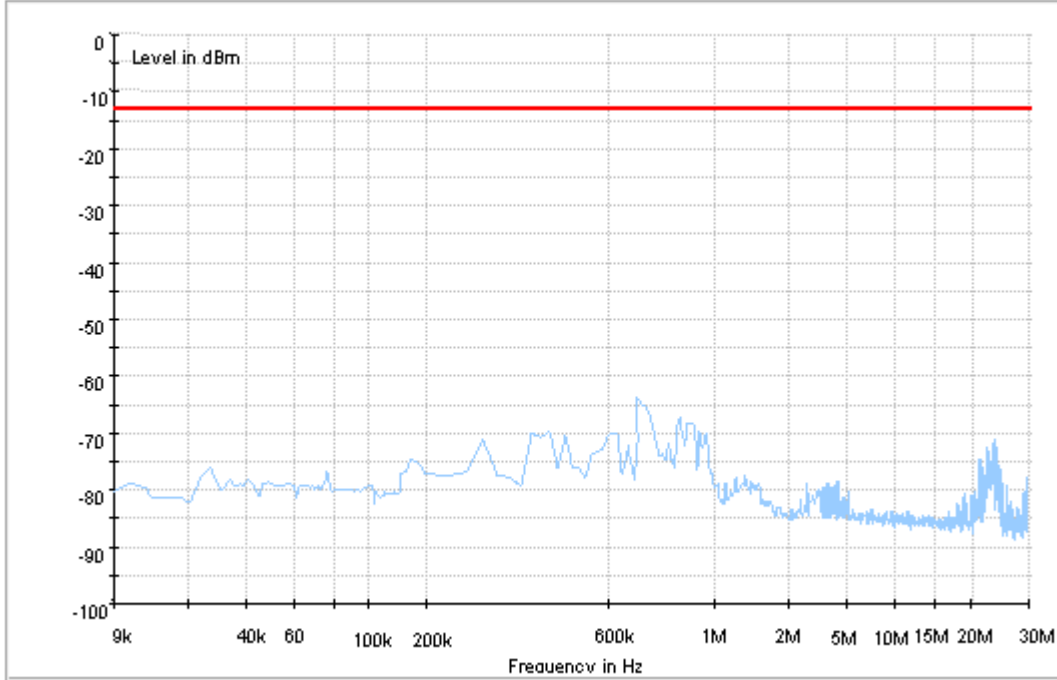
Copy of RSE-TX-DIRECTOR BELOW 1G\_L



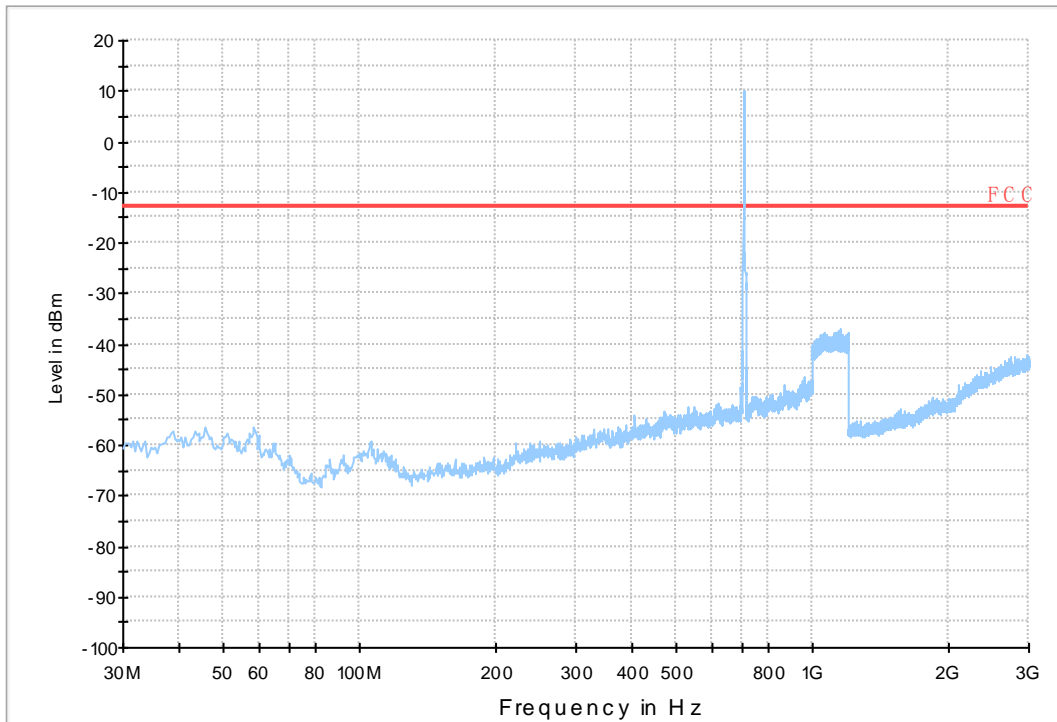
Copy of RSE-TX-DIRECTOR BELOW 1G\_H



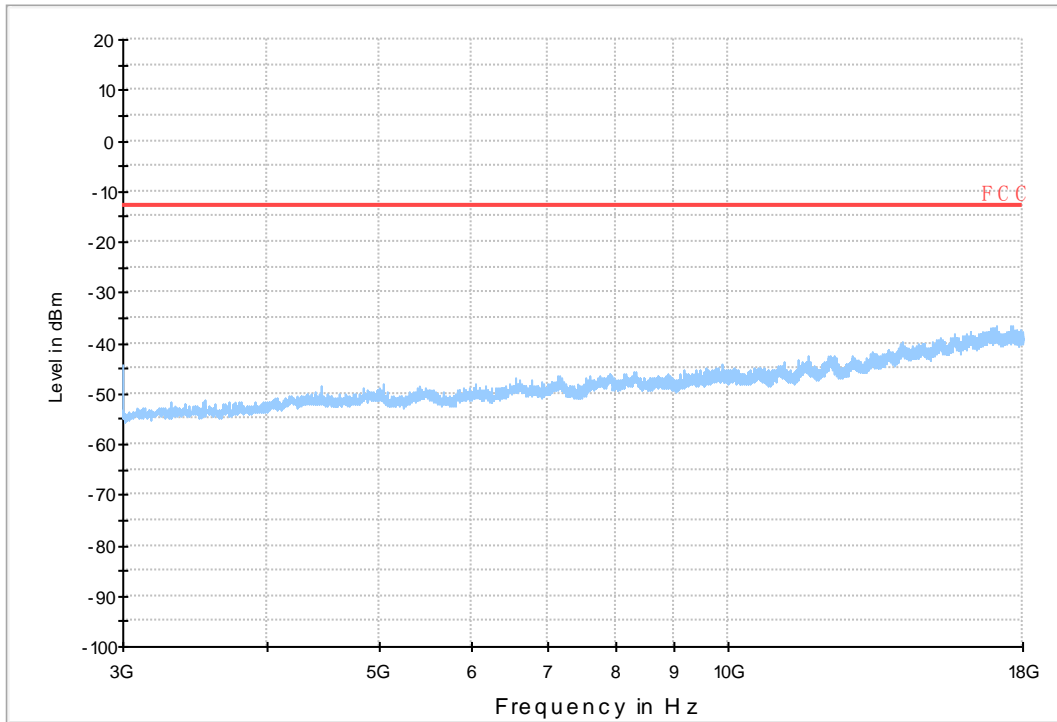
### 7.1.1.3 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G\_L



Copy of RSE-TX-DIRECTOR BELOW 1G\_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
BAND12	LTE/TM1	1.4	LCH	TN	VL	3.83	0.00547	PASS
					VN	5.09	0.00727	PASS
					VH	-0.24	-0.00034	PASS
			MCH	TN	VL	-13.46	-0.01902	PASS
					VN	7.51	0.01061	PASS
					VH	26.81	0.03789	PASS
			HCH	TN	VL	-0.77	-0.00108	PASS
					VN	6.02	0.00842	PASS
					VH	-2.68	-0.00375	PASS
		3	LCH	TN	VL	1.62	0.00231	PASS
					VN	1.03	0.00147	PASS
					VH	0.53	0.00076	PASS
			MCH	TN	VL	-2.03	-0.00287	PASS
					VN	-1.43	-0.00202	PASS
					VH	4.88	0.0069	PASS
			HCH	TN	VL	0.11	0.00015	PASS
					VN	-1.75	-0.00245	PASS
					VH	1.67	0.00234	PASS
		5	LCH	TN	VL	3.46	0.00493	PASS
					VN	-1.03	-0.00147	PASS
					VH	-1.95	-0.00278	PASS
			MCH	TN	VL	-1.82	-0.00257	PASS
					VN	-0.29	-0.00041	PASS
					VH	-0.69	-0.00098	PASS
			HCH	TN	VL	-1.17	-0.00164	PASS
					VN	-2.88	-0.00404	PASS
					VH	2.36	0.00331	PASS
10	LCH	TN	VL	0.92	0.00131	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	-1.24	-0.00176	PASS	
					VH	-0.93	-0.00132	PASS	
					VL	-1.87	-0.00264	PASS	
			VN	-0.39	-0.00055	PASS			
			VH	-0.83	-0.00117	PASS			
			VL	-2.27	-0.00319	PASS			
		HCH	TN	VN	-2.40	-0.00338	PASS		
				VH	-2.03	-0.00286	PASS		
				VL	-2.36	-0.00337	PASS		
		LTE/TM2	1.4	LCH	TN	VN	-7.65	-0.01093	PASS
						VH	0.04	0.00006	PASS
						VL	-1.22	-0.00172	PASS
	MCH			TN	VN	-8.34	-0.01179	PASS	
					VH	5.21	0.00736	PASS	
					VL	-1.42	-0.00199	PASS	
	HCH			TN	VN	-0.16	-0.00022	PASS	
					VH	-12.75	-0.01782	PASS	
					VL	-3.98	-0.00568	PASS	
	3		LCH	TN	VN	-3.99	-0.0057	PASS	
					VH	1.97	0.00281	PASS	
					VL	4.06	0.00574	PASS	
			MCH	TN	VN	0.14	0.0002	PASS	
					VH	-0.31	-0.00044	PASS	
					VL	-2.22	-0.00311	PASS	
			HCH	TN	VN	-2.29	-0.00321	PASS	
					VH	0.86	0.0012	PASS	
					VL	0.39	0.00056	PASS	
	5	LCH	TN	VN	3.38	0.00482	PASS		
				VH	2.96	0.00422	PASS		
				VL	-1.56	-0.0022	PASS		
		MCH	TN	VN	-1.60	-0.00226	PASS		
				VH	-0.37	-0.00052	PASS		
				VL	-2.56	-0.00359	PASS		
		HCH	TN	VN	0.92	0.00129	PASS		
				VH	-0.66	-0.00093	PASS		
				VL	-0.93	-0.00132	PASS		
		10	LCH	TN	VN	-1.19	-0.00169	PASS	
					VH	-4.66	-0.00662	PASS	
					VL	0.13	0.00018	PASS	
	MCH		TN	VN	-1.24	-0.00176	PASS		
				VH	-0.93	-0.00132	PASS		
				VL	-1.87	-0.00264	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	1.32	0.00187	PASS
					VH	0.23	0.00033	PASS
			HCH	TN	VL	-4.23	-0.00595	PASS
					VN	-0.67	-0.00094	PASS
					VH	-2.43	-0.00342	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
BAND12	LTE/TM1	1.4	LCH	VN	-30	-1.44	-0.00206	PASS
					-20	-13.48	-0.01927	PASS
					-10	6.39	0.00913	PASS
					0	-10.33	-0.01476	PASS
					10	-4.69	-0.0067	PASS
					20	10.89	0.01556	PASS
					30	2.57	0.00367	PASS
					40	-5.34	-0.00763	PASS
			50	3.93	0.00562	PASS		
			MCH	VN	-30	14.95	0.02113	PASS
					-20	-5.65	-0.00799	PASS
					-10	-2.47	-0.00349	PASS
					0	-0.29	-0.00041	PASS
					10	2.05	0.0029	PASS
					20	-6.05	-0.00855	PASS
					30	-15.31	-0.02164	PASS
					40	6.92	0.00978	PASS
			HCH	VN	-30	-0.59	-0.00082	PASS
					-20	-0.83	-0.00116	PASS
					-10	4.66	0.00651	PASS
					0	7.85	0.01097	PASS
					10	0.89	0.00124	PASS
					20	11.86	0.01658	PASS
					30	2.98	0.00417	PASS
		40			0.83	0.00116	PASS	
		50	12.72	0.01778	PASS			
		3	LCH	VN	-30	-1.62	-0.00231	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		5			-20	1.29	0.00184	PASS	
					-10	5.46	0.00779	PASS	
					0	-0.31	-0.00044	PASS	
					10	2.68	0.00383	PASS	
					20	1.26	0.0018	PASS	
					30	0.30	0.00043	PASS	
					40	-10.16	-0.0145	PASS	
					50	1.46	0.00208	PASS	
			MCH	VN	-30	1.52	0.00215	PASS	
					-20	3.65	0.00516	PASS	
					-10	4.25	0.00601	PASS	
					0	0.40	0.00057	PASS	
					10	-2.05	-0.0029	PASS	
					20	-1.33	-0.00188	PASS	
					30	3.46	0.00489	PASS	
					40	-1.19	-0.00168	PASS	
			HCH	VN	-30	-1.34	-0.00188	PASS	
					-20	-1.65	-0.00231	PASS	
					-10	-1.27	-0.00178	PASS	
					0	3.83	0.00536	PASS	
					10	-7.08	-0.00991	PASS	
					20	2.16	0.00302	PASS	
					30	-6.11	-0.00855	PASS	
					40	-4.29	-0.006	PASS	
			5	LCH	VN	-30	1.04	0.00148	PASS
						-20	-0.34	-0.00048	PASS
						-10	-0.20	-0.00029	PASS
						0	0.06	0.00009	PASS
		10				0.00	0	PASS	
		20				0.41	0.00058	PASS	
		30				-0.59	-0.00084	PASS	
		40				0.97	0.00138	PASS	
		50		-1.37	-0.00195	PASS			
		MCH		VN	-30	-0.90	-0.00127	PASS	
					-20	2.19	0.0031	PASS	
					-10	-0.20	-0.00028	PASS	
			0		0.57	0.00081	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	0.62	0.00088	PASS		
					20	-2.40	-0.00339	PASS		
					30	-1.00	-0.00141	PASS		
					40	0.97	0.00137	PASS		
					50	1.46	0.00206	PASS		
			HCH	VN	-30	0.84	0.00118	PASS		
					-20	-0.43	-0.0006	PASS		
					-10	-1.19	-0.00167	PASS		
					0	1.86	0.00261	PASS		
					10	-0.04	-0.00006	PASS		
					20	-2.70	-0.00378	PASS		
					30	3.10	0.00434	PASS		
					40	0.63	0.00088	PASS		
					50	2.45	0.00343	PASS		
					LCH	VN	-30	0.62	0.00088	PASS
							-20	-1.33	-0.00189	PASS
							-10	-1.49	-0.00212	PASS
							0	-1.80	-0.00256	PASS
							10	0.40	0.00057	PASS
							20	0.31	0.00044	PASS
		30	-2.17	-0.00308			PASS			
		40	2.05	0.00291			PASS			
		50	-3.28	-0.00466			PASS			
		MCH	VN	-30			-0.39	-0.00055	PASS	
				-20	0.41	0.00058	PASS			
				-10	0.56	0.00079	PASS			
				0	-2.79	-0.00394	PASS			
				10	1.27	0.0018	PASS			
				20	-0.96	-0.00136	PASS			
				30	-0.47	-0.00066	PASS			
				40	-0.79	-0.00112	PASS			
				50	-0.34	-0.00048	PASS			
				HCH	VN	-30	-1.03	-0.00145	PASS	
		-20	-4.92			-0.00692	PASS			
		-10	-1.56			-0.00219	PASS			
		0	-3.36			-0.00473	PASS			
		10	-0.09			-0.00013	PASS			
		20	-1.83			-0.00257	PASS			
		30	-5.31			-0.00747	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	LCH	VN	40	-2.75	-0.00387	PASS
					50	-5.35	-0.00752	PASS
					-30	-5.72	-0.00817	PASS
					-20	3.93	0.00562	PASS
					-10	0.53	0.00076	PASS
					0	-0.39	-0.00056	PASS
					10	-3.66	-0.00523	PASS
					20	-10.31	-0.01473	PASS
					30	-12.55	-0.01794	PASS
					40	8.11	0.01159	PASS
			50	4.06	0.0058	PASS		
			MCH	VN	-30	10.67	0.01508	PASS
					-20	-14.46	-0.02044	PASS
					-10	4.88	0.0069	PASS
					0	4.69	0.00663	PASS
					10	0.41	0.00058	PASS
					20	-2.63	-0.00372	PASS
					30	1.86	0.00263	PASS
					40	12.55	0.01774	PASS
					50	2.16	0.00305	PASS
		HCH			VN	-30	5.91	0.00826
			-20	-2.20		-0.00308	PASS	
			-10	-11.82		-0.01652	PASS	
			0	-6.04		-0.00844	PASS	
			10	-2.05		-0.00287	PASS	
			20	6.11		0.00854	PASS	
			30	5.38		0.00752	PASS	
			40	-13.23		-0.0185	PASS	
			50	-11.56		-0.01616	PASS	
			3	LCH		VN	-30	-2.60
		-20			6.64		0.00948	PASS
		-10			2.76		0.00394	PASS
		0			-8.98		-0.01282	PASS
		10			3.15		0.0045	PASS
		20			4.72		0.00674	PASS
		30			-0.27		-0.00039	PASS
		40			8.13		0.01161	PASS
		50			-3.06		-0.00437	PASS
		MCH			VN		-30	-3.49