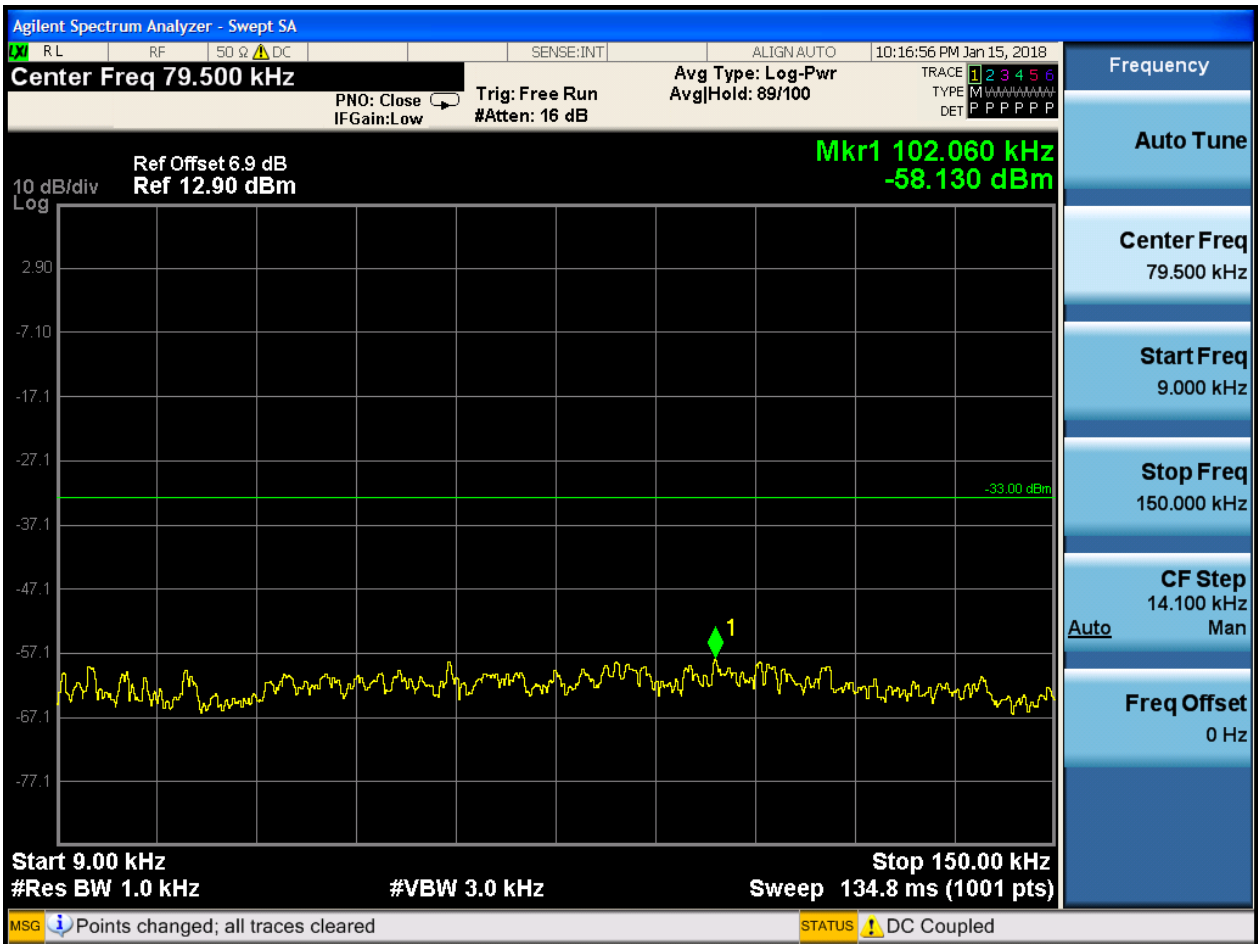


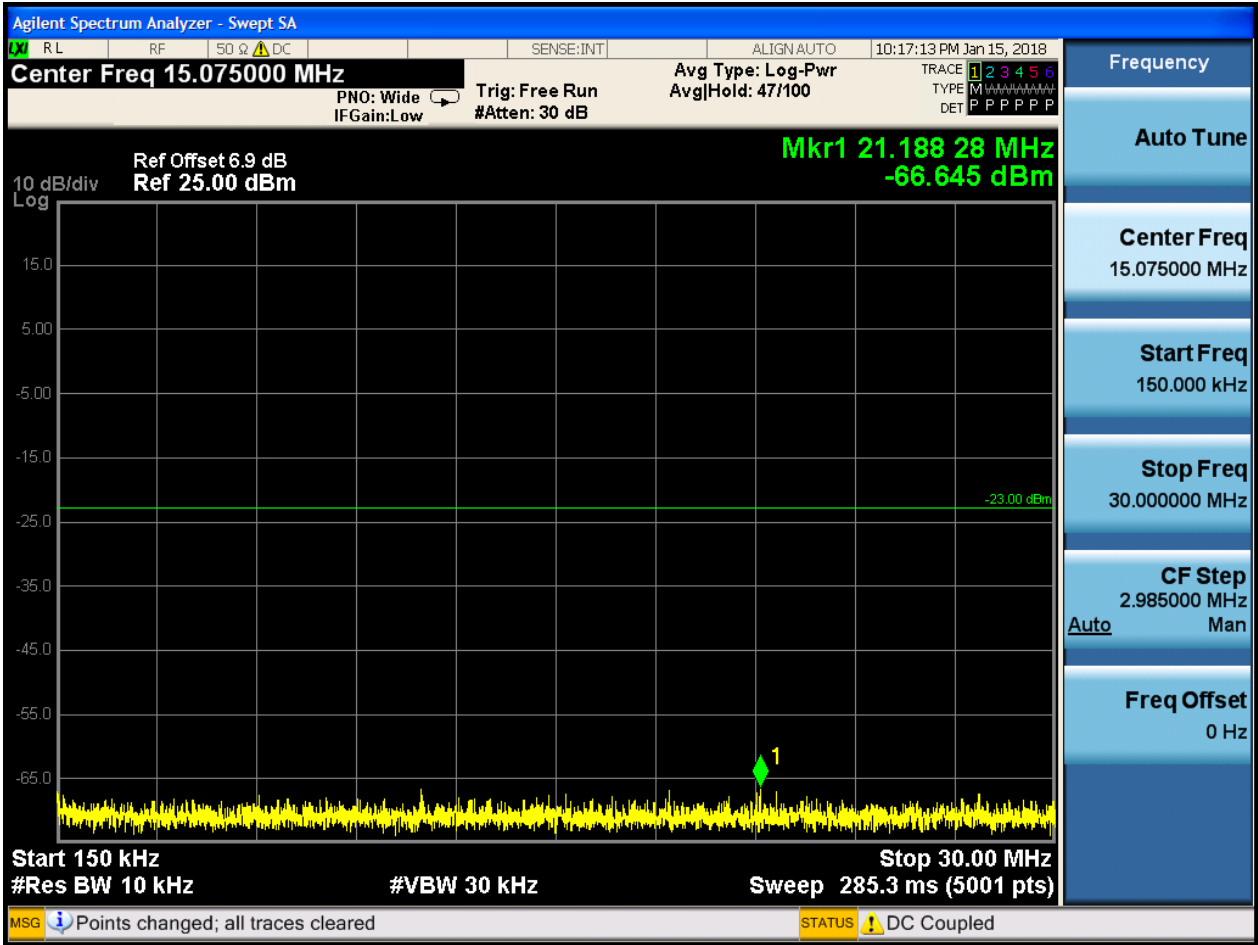


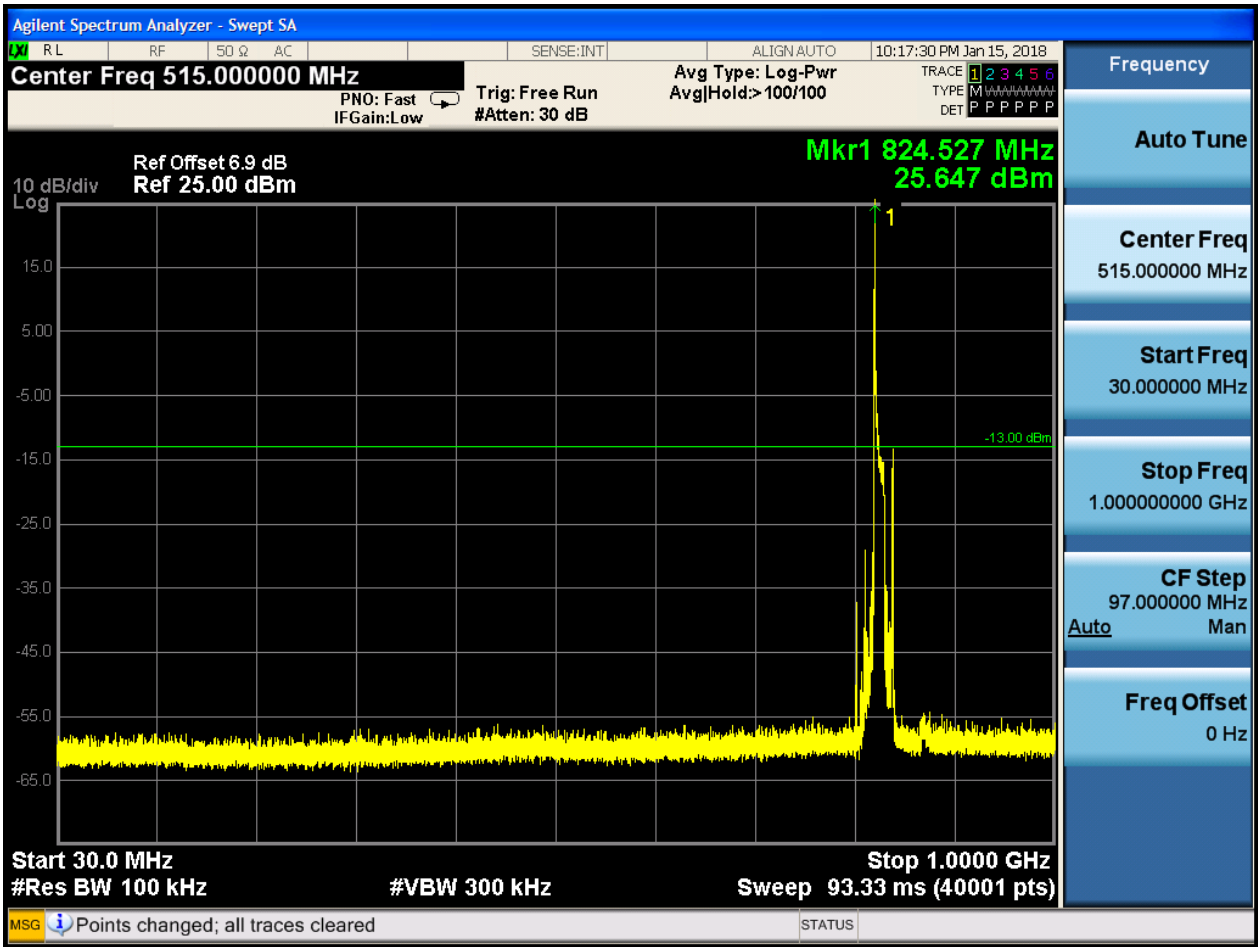
6.1.1.1.4 Test Bandwidth = 10

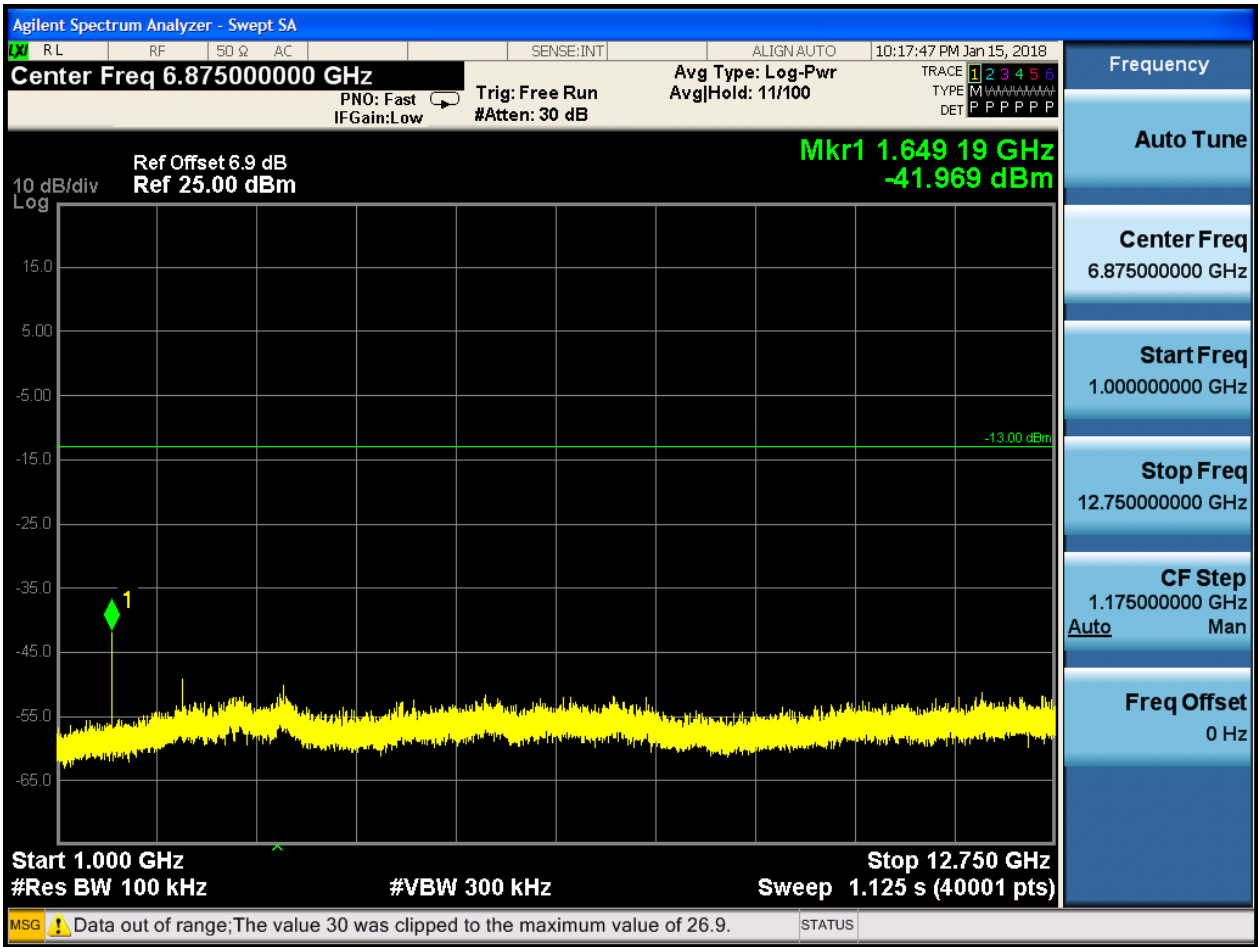
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



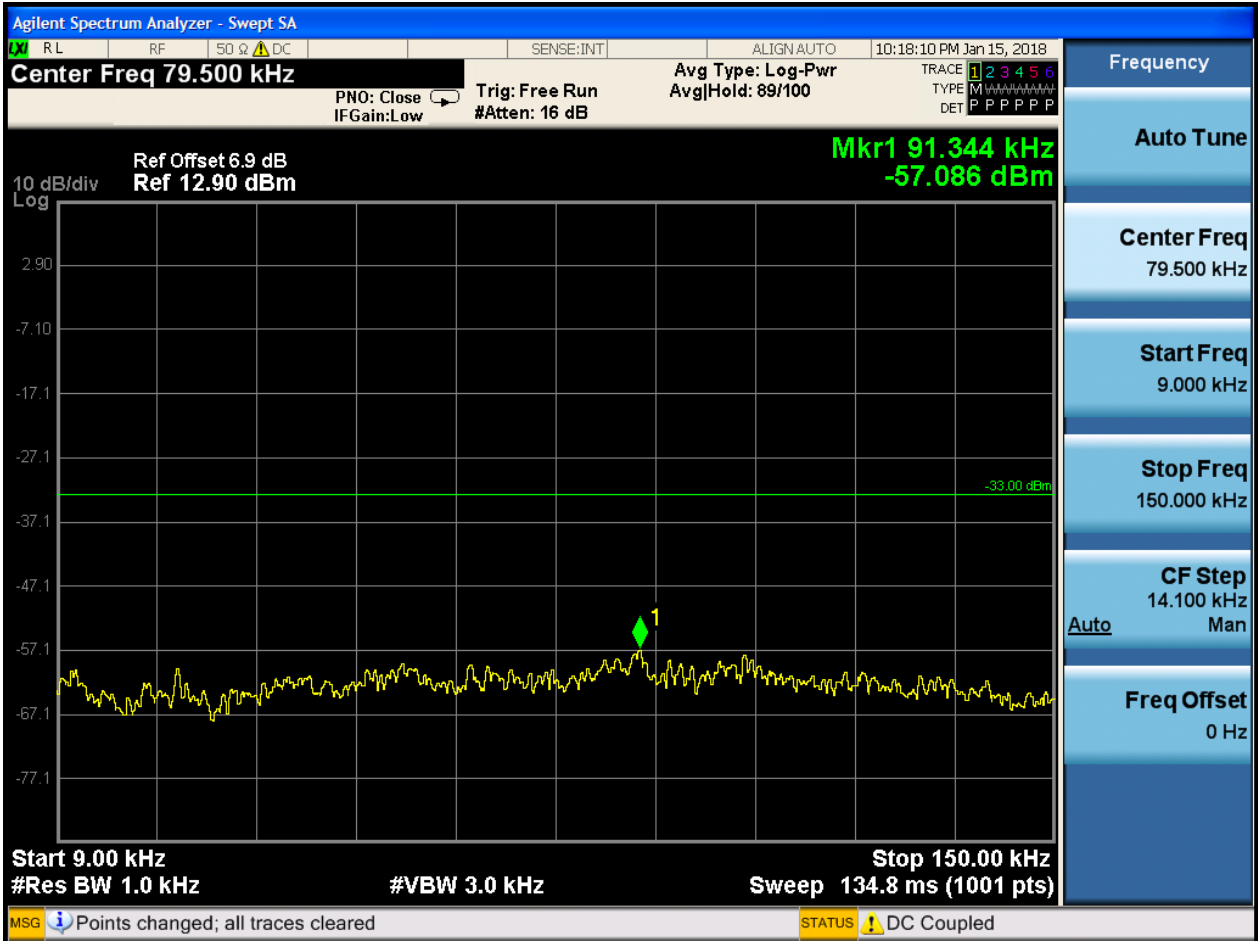


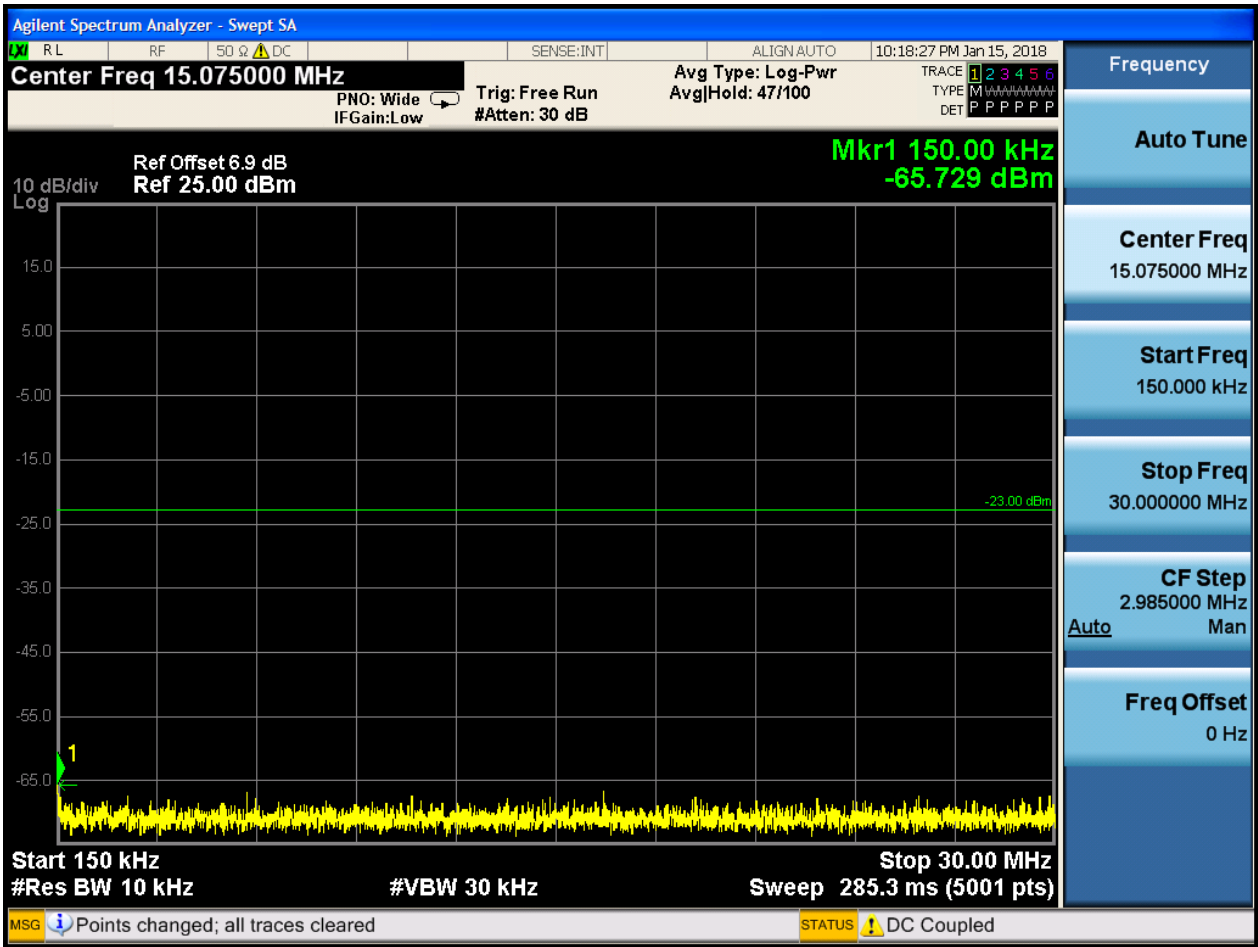




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

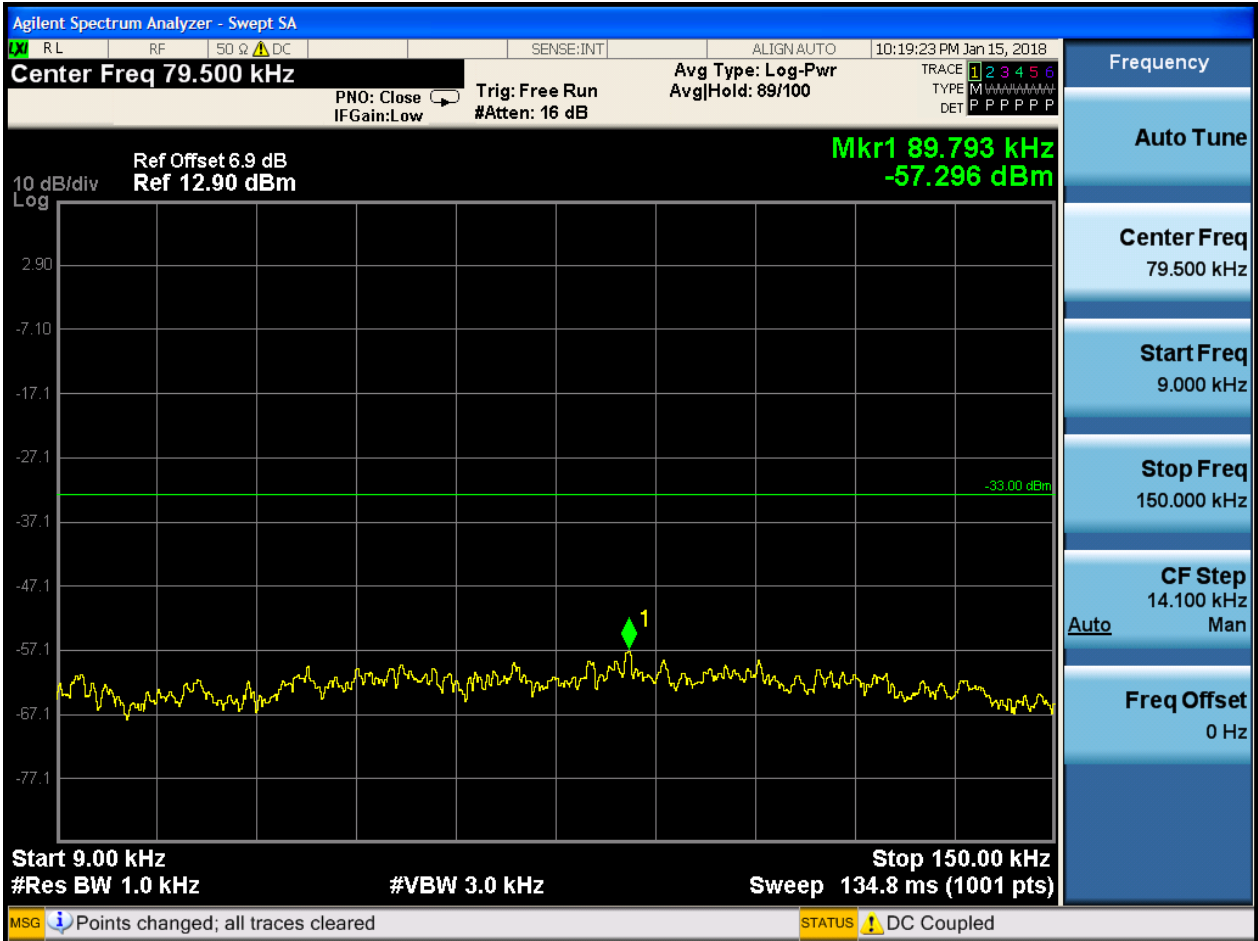


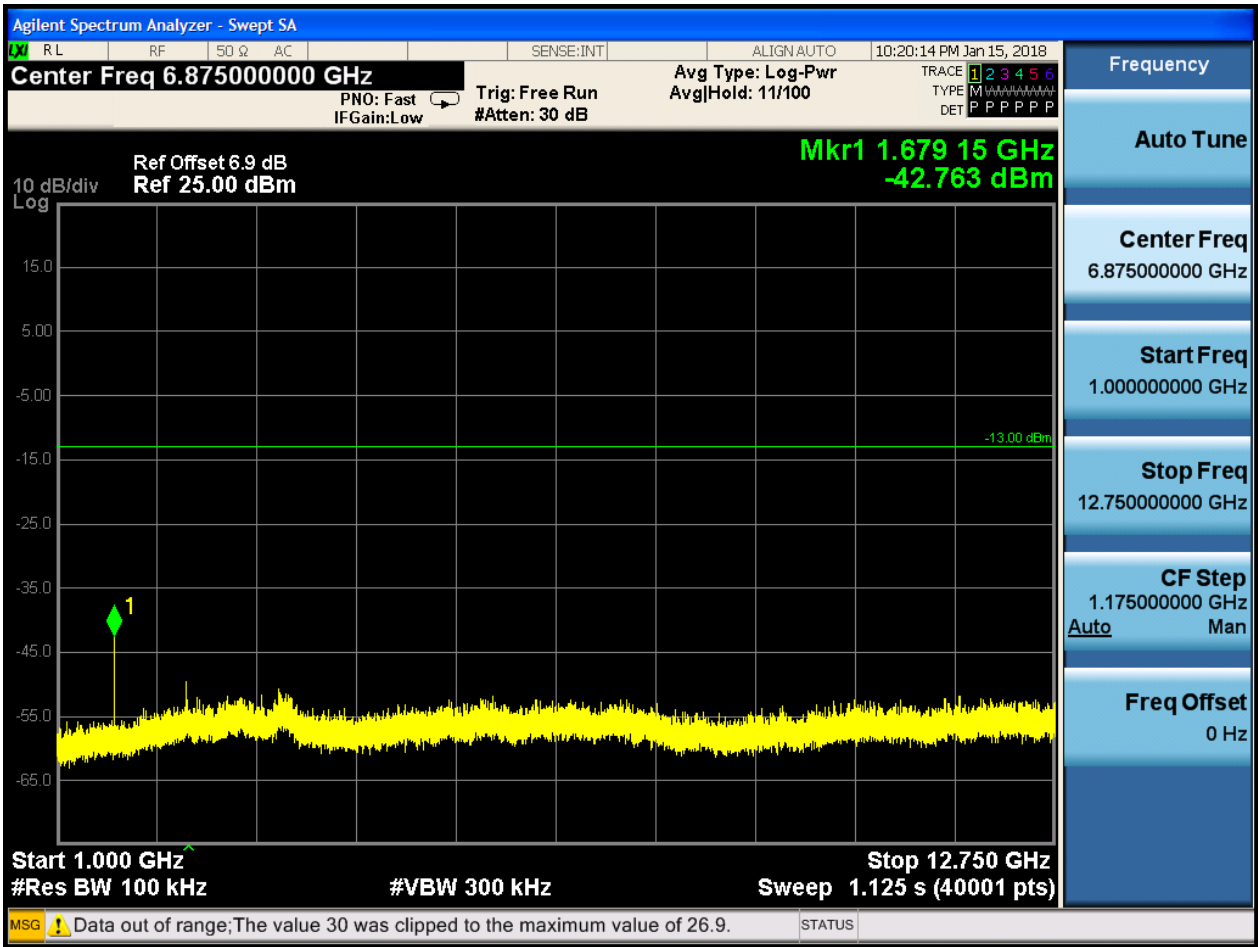




6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





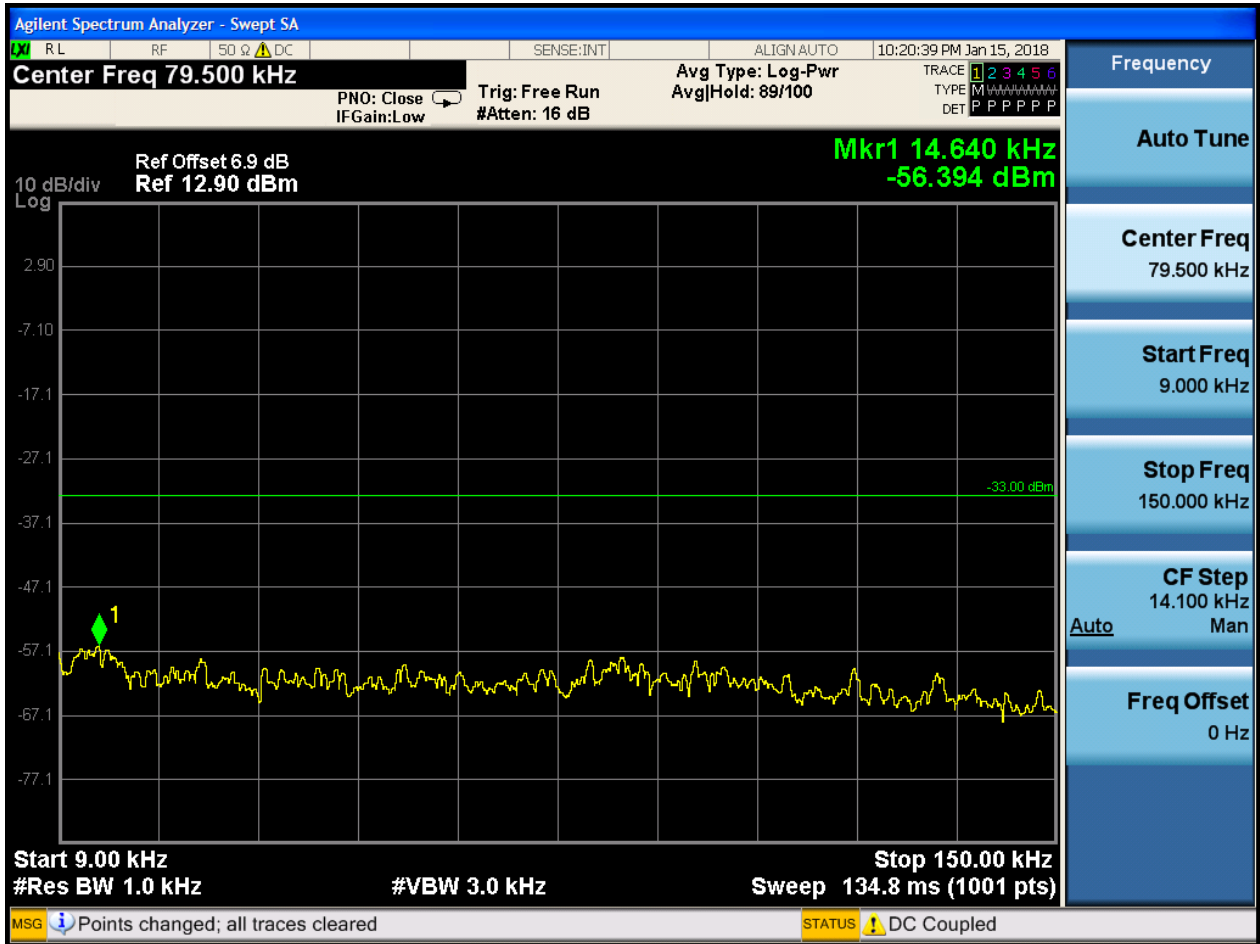


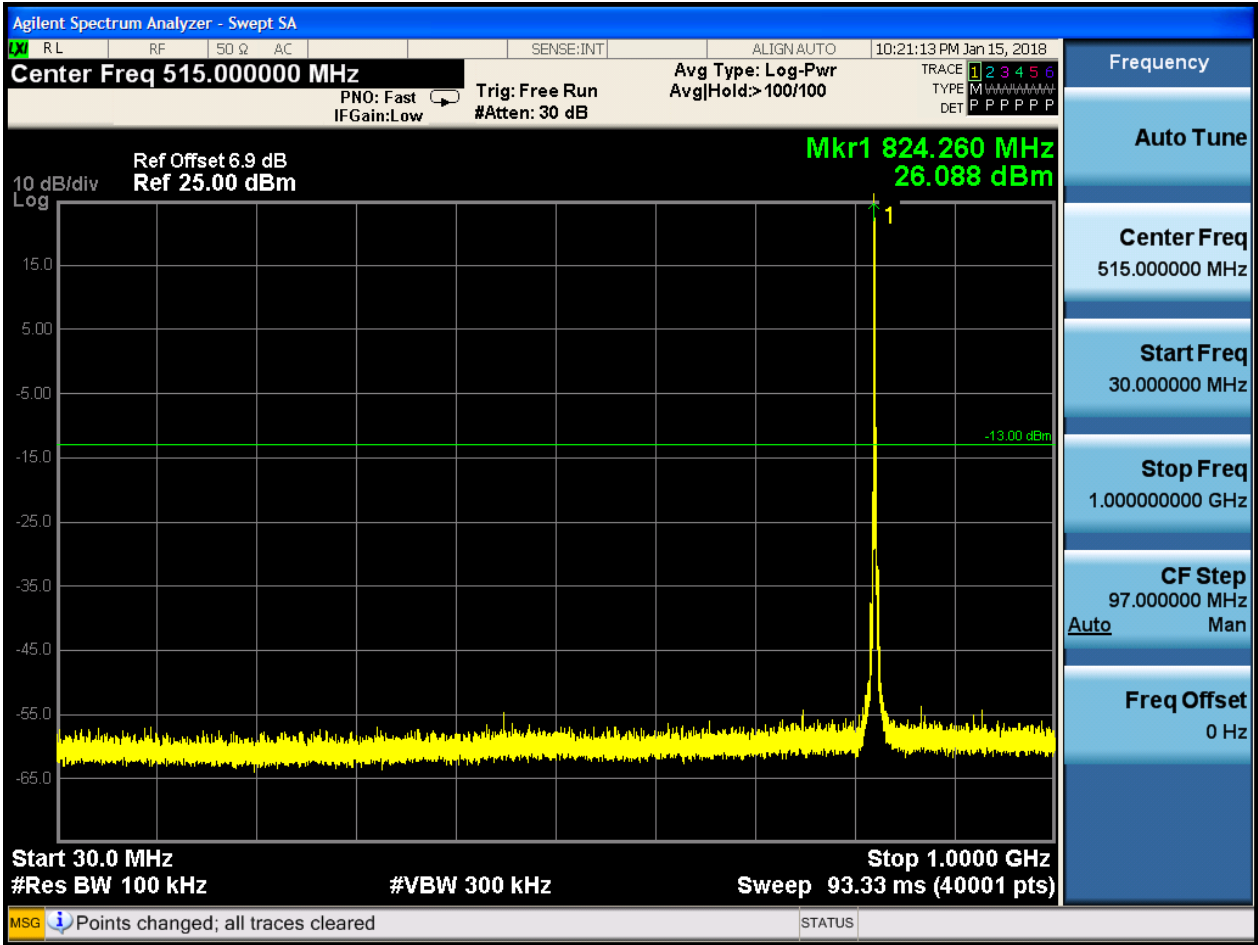
6.1.1.2 Test Mode = LTE/TM2

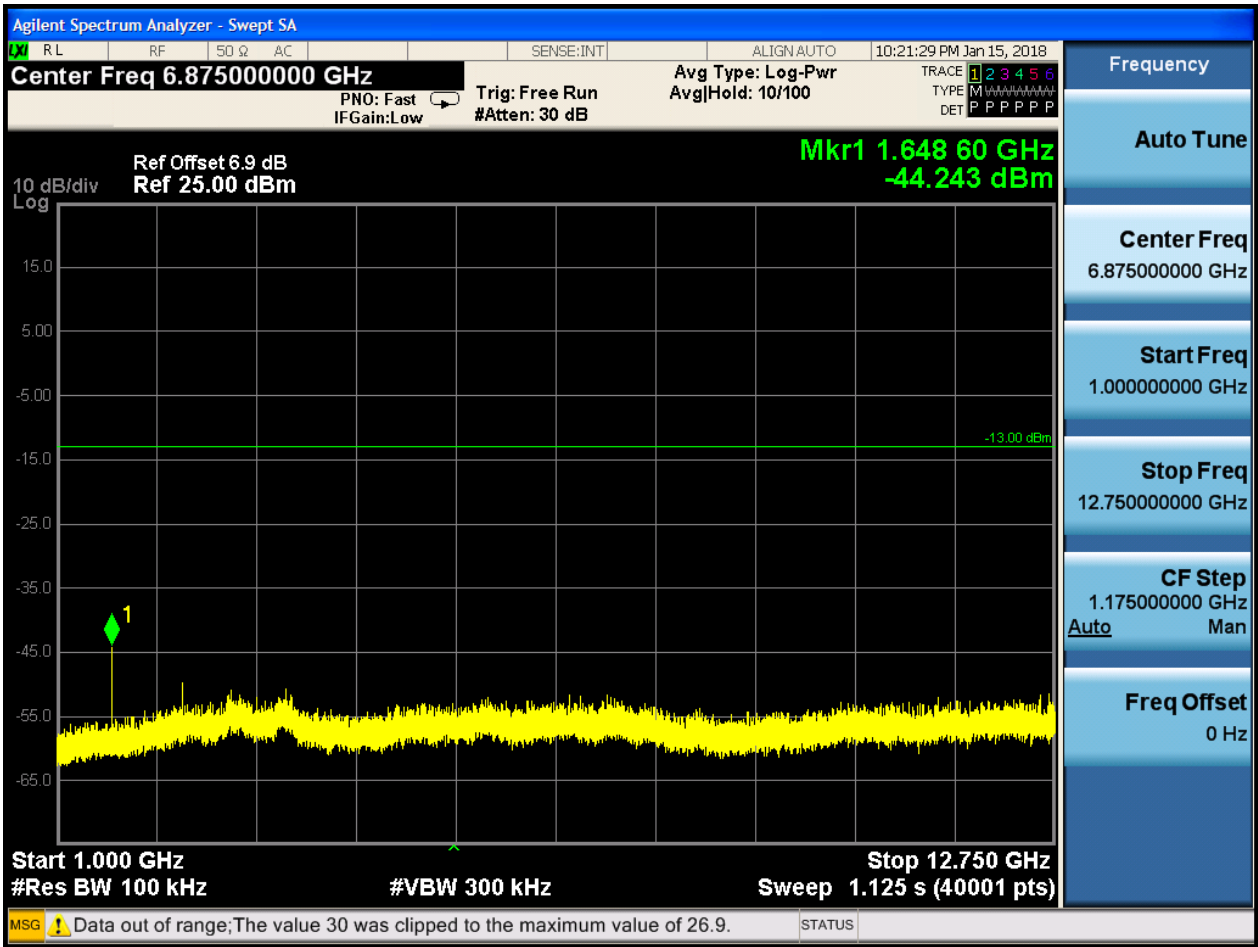
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



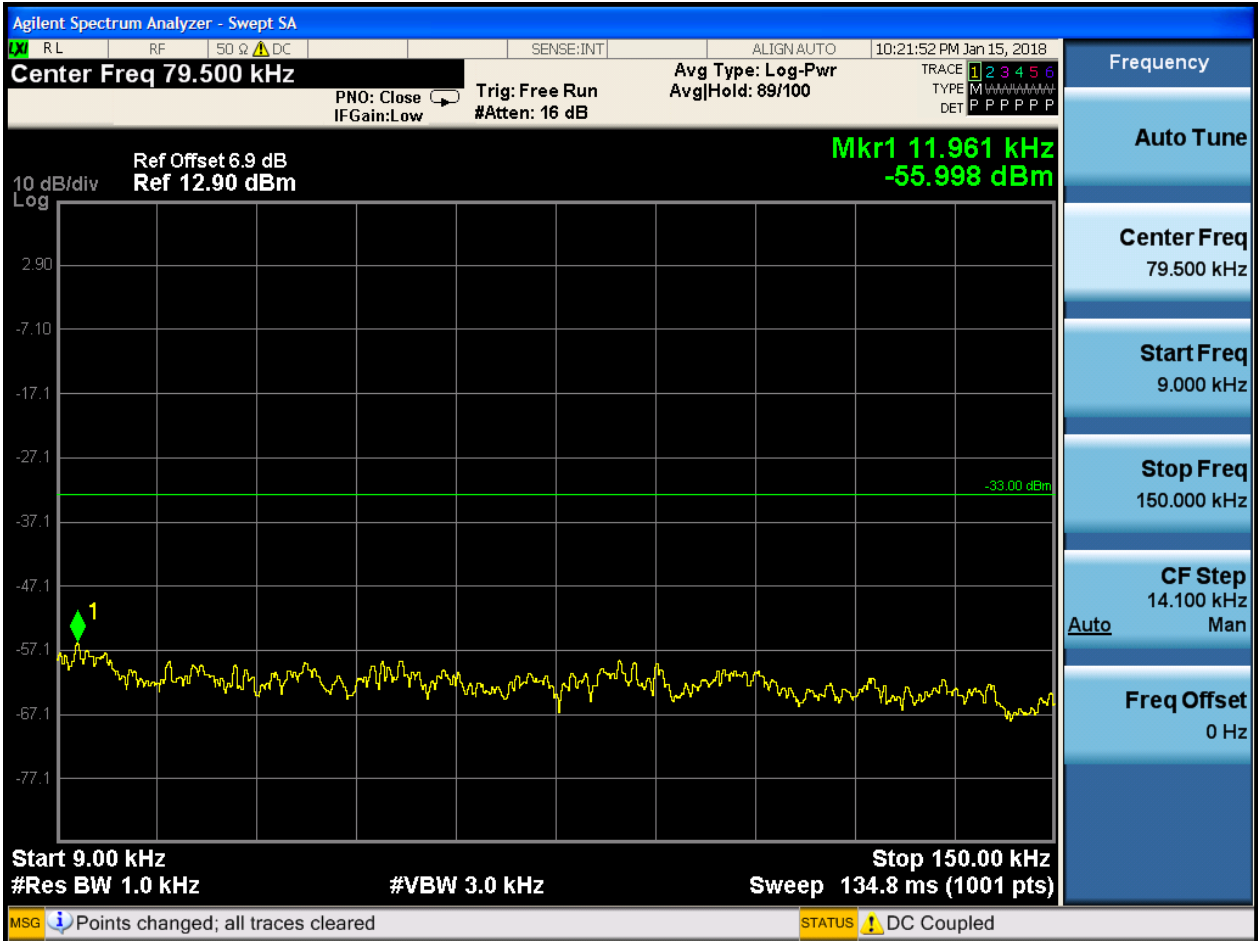


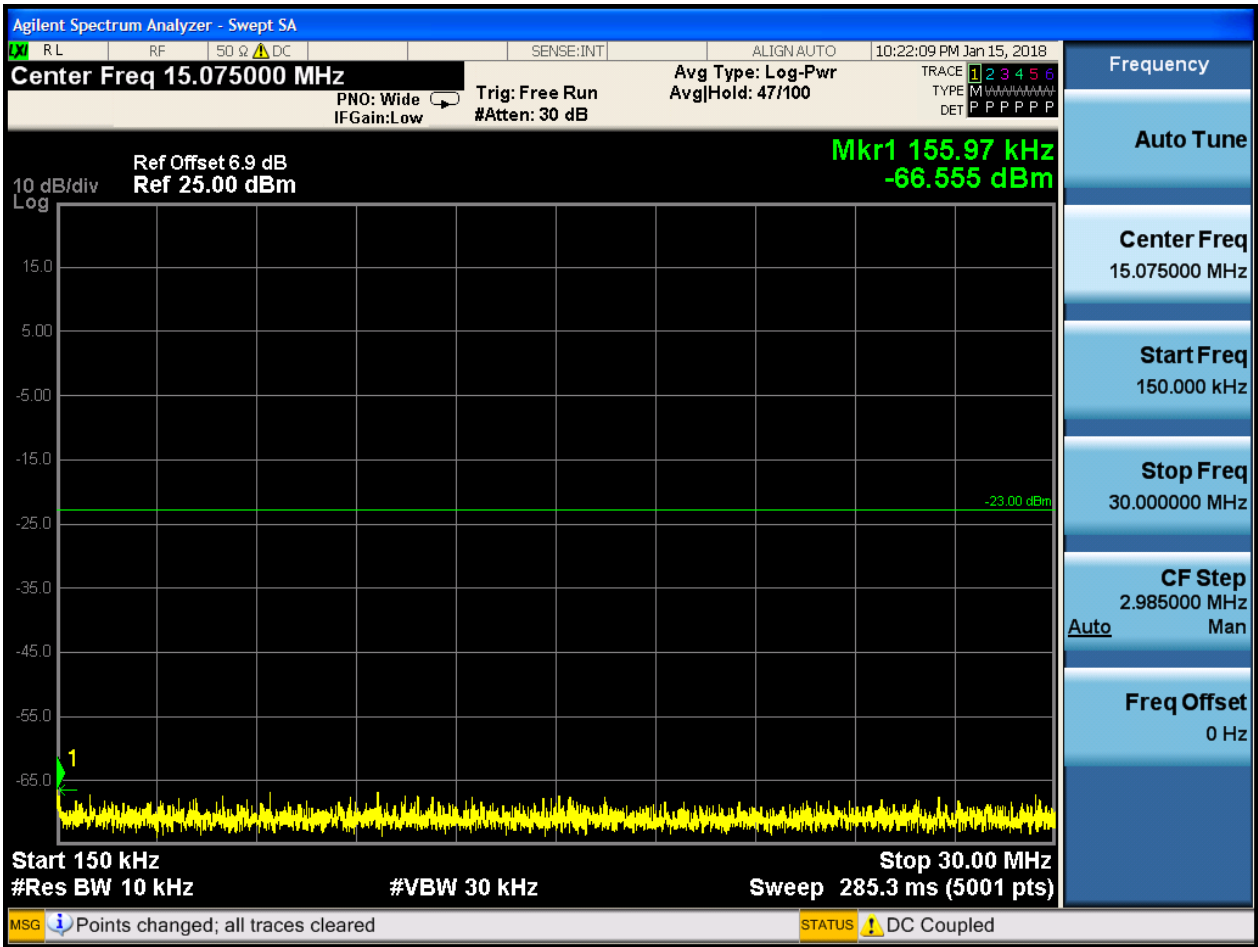


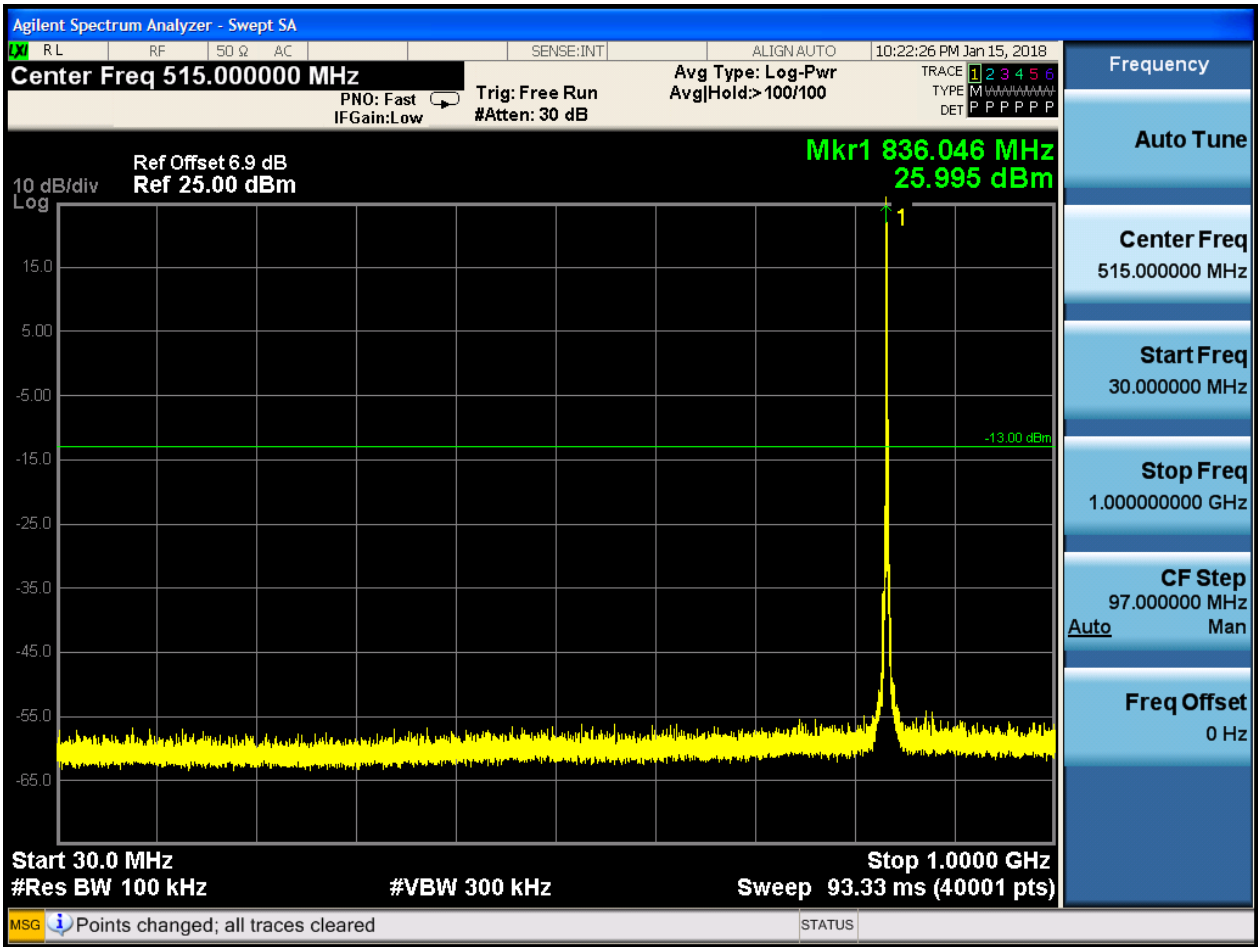


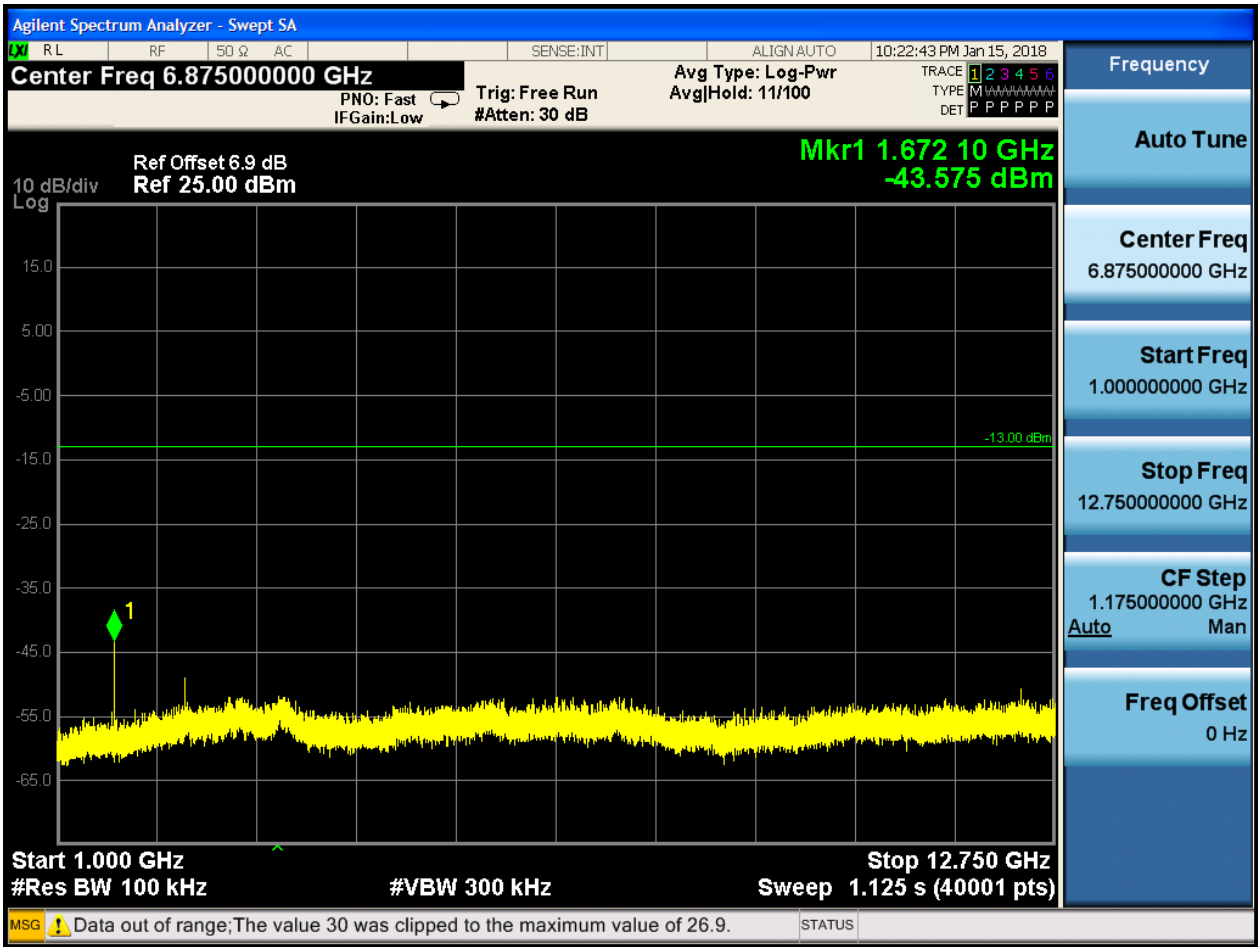
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





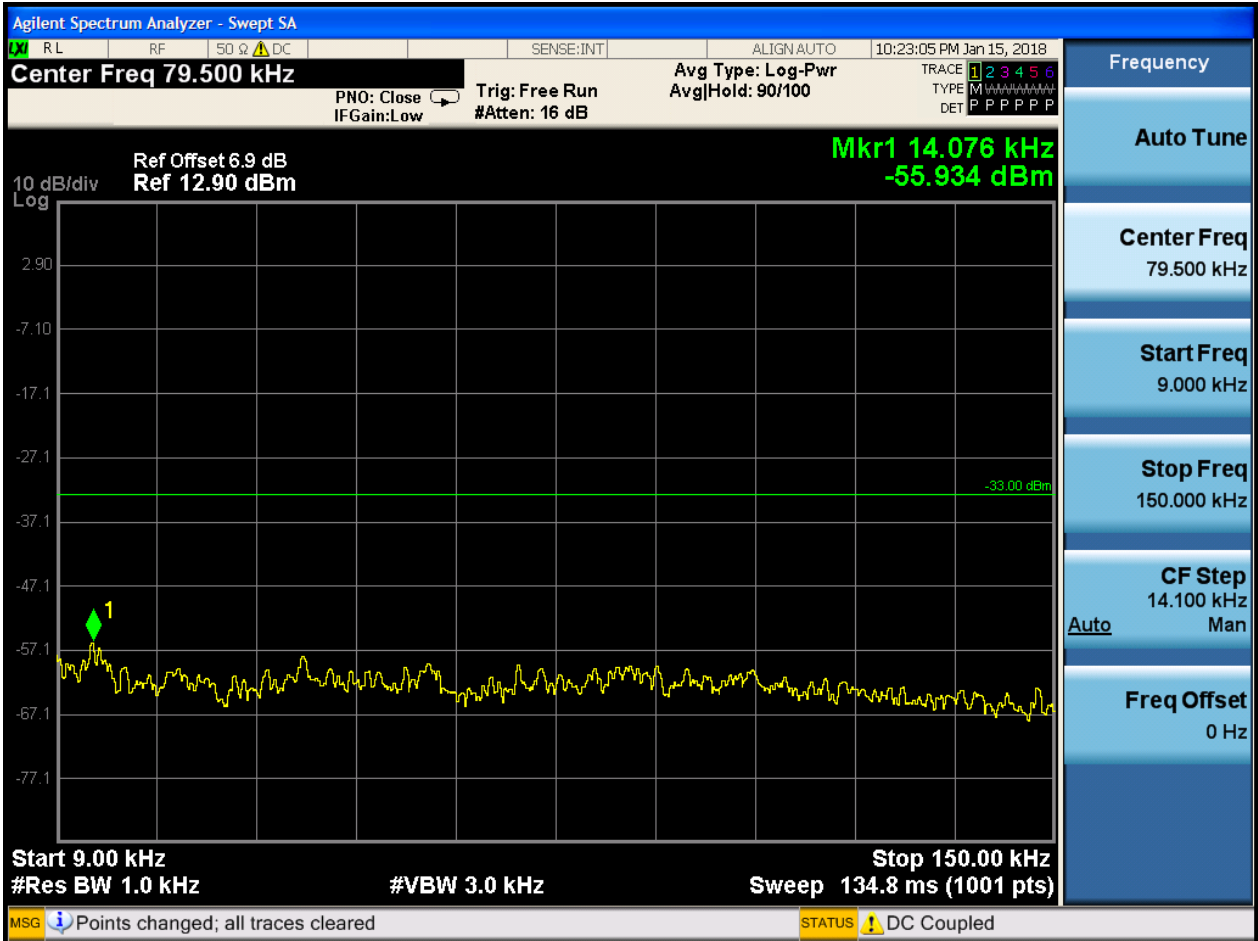


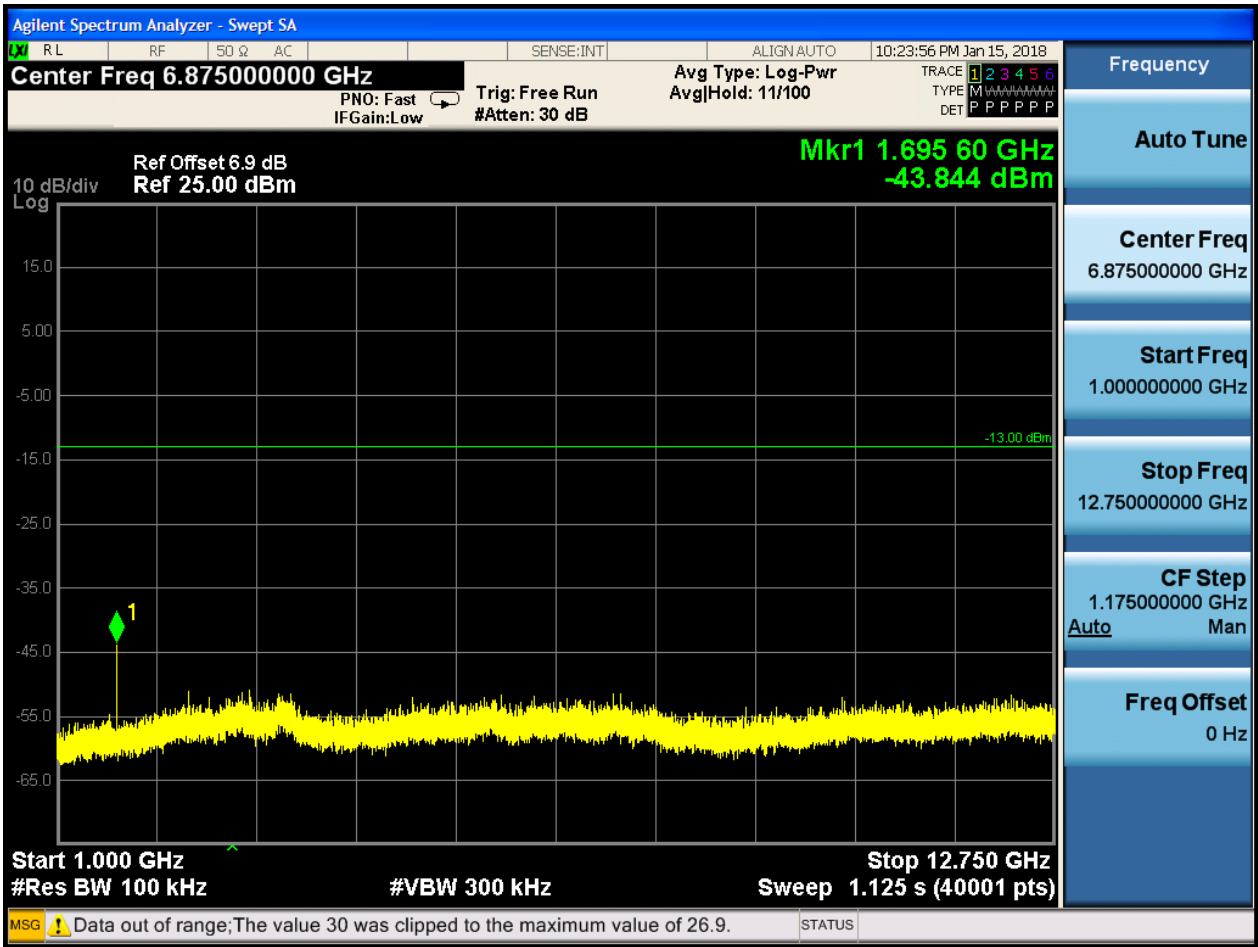




6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



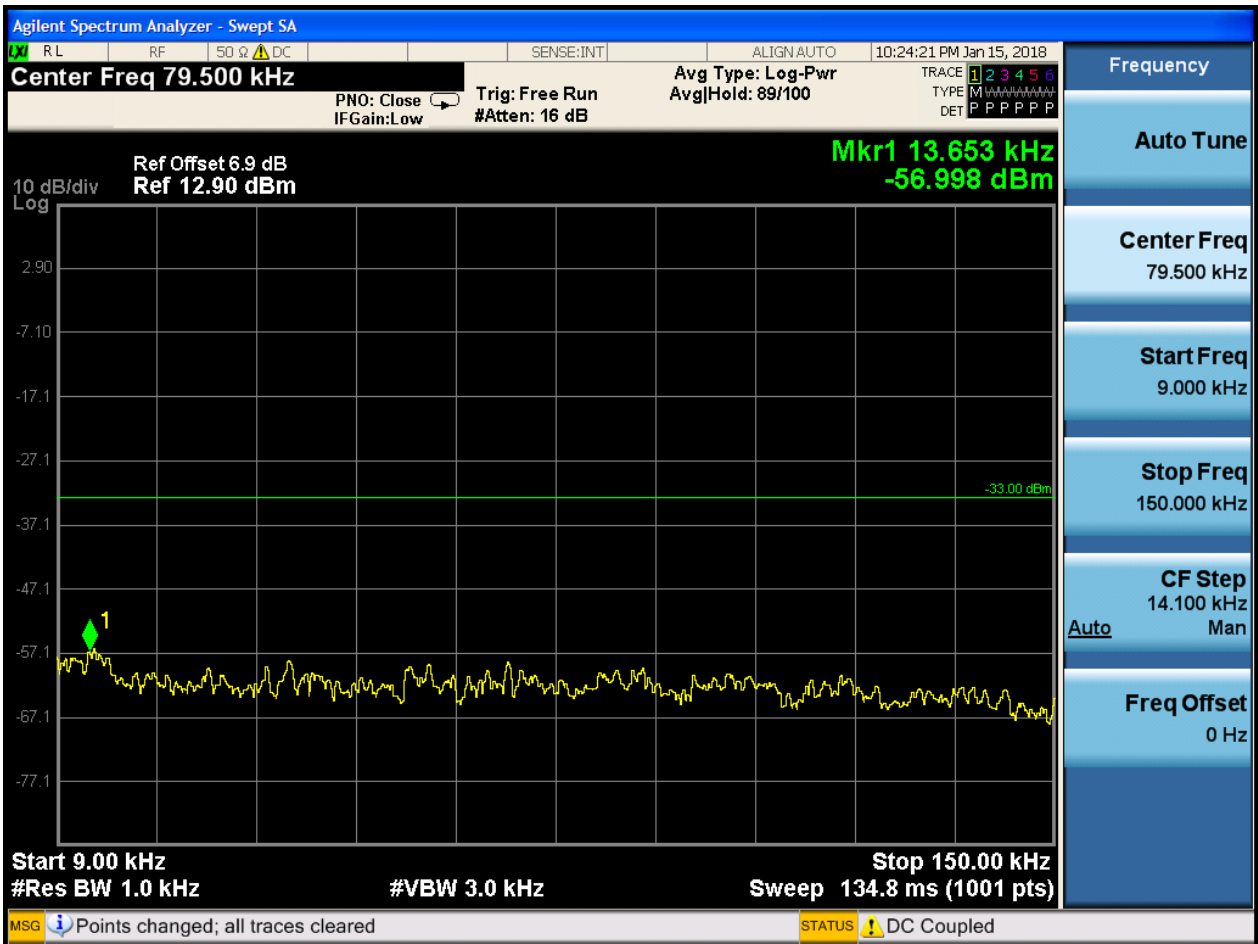


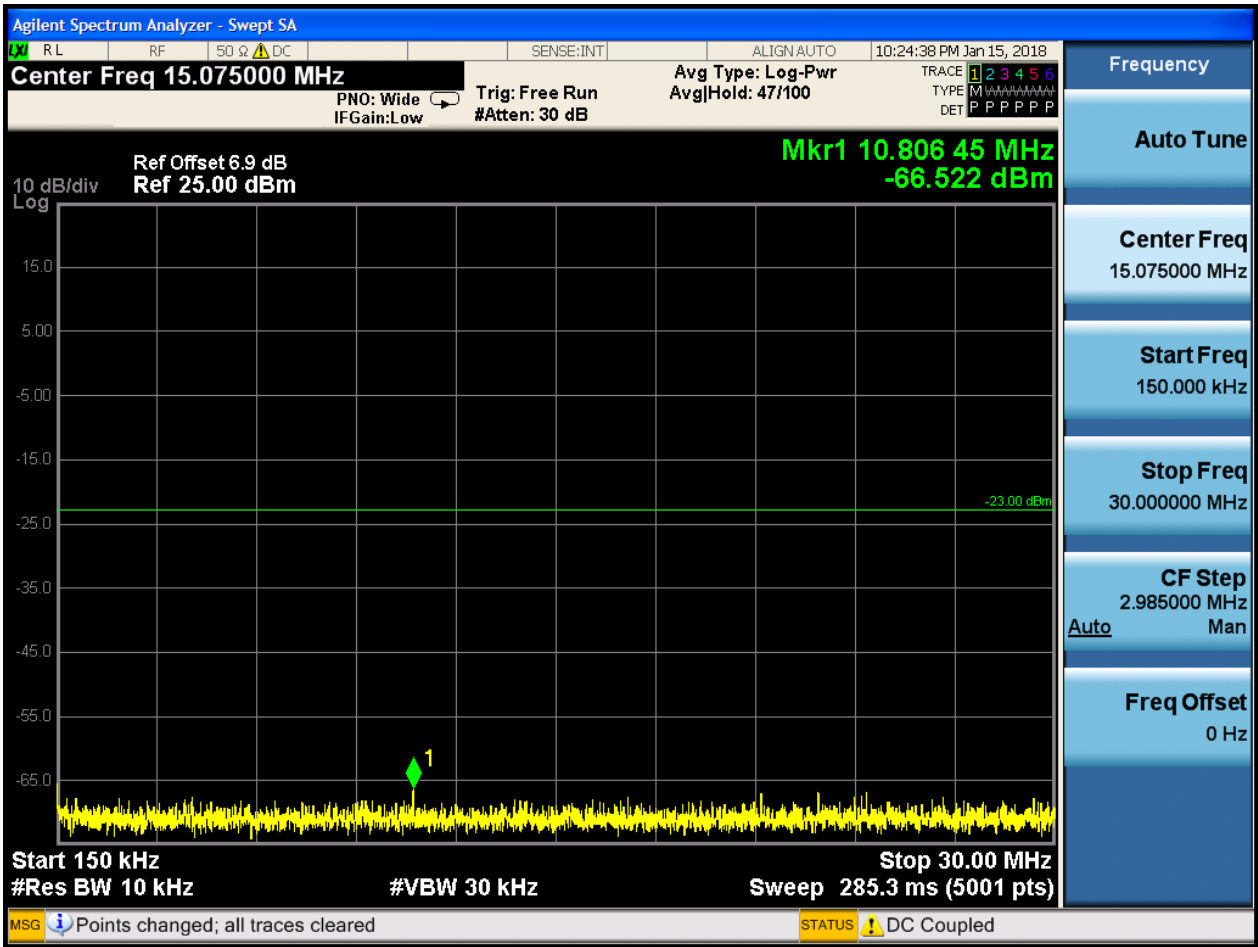


6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

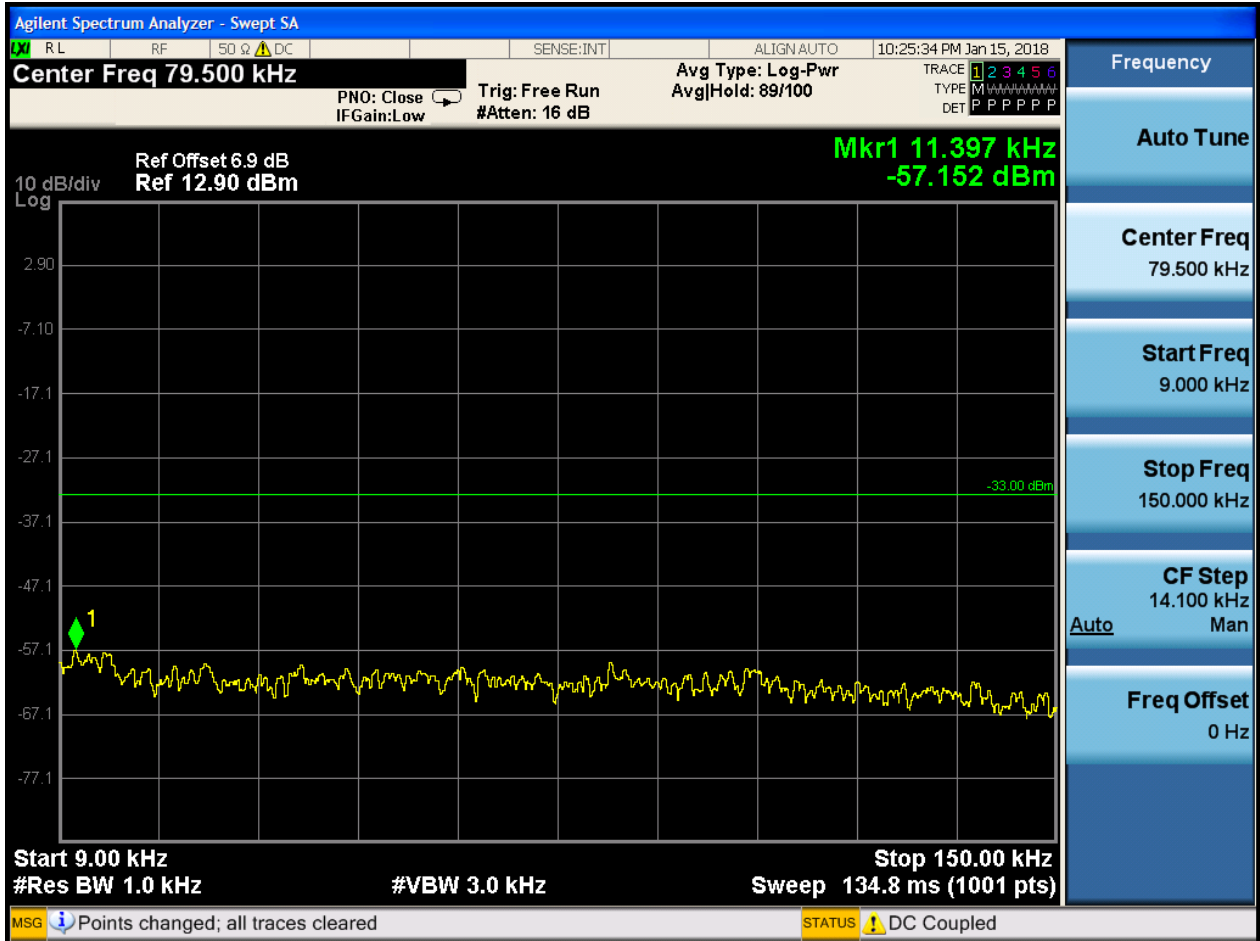


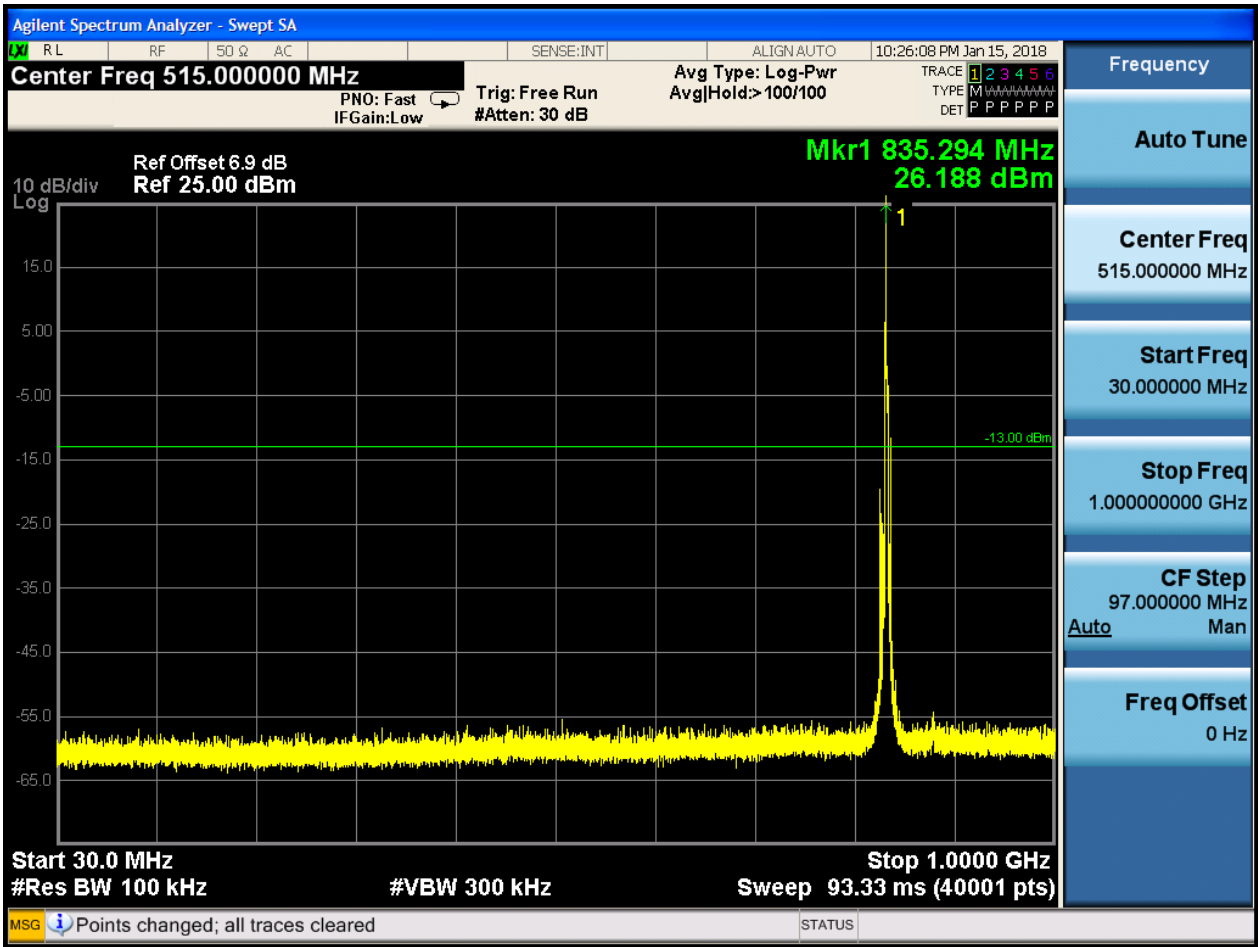


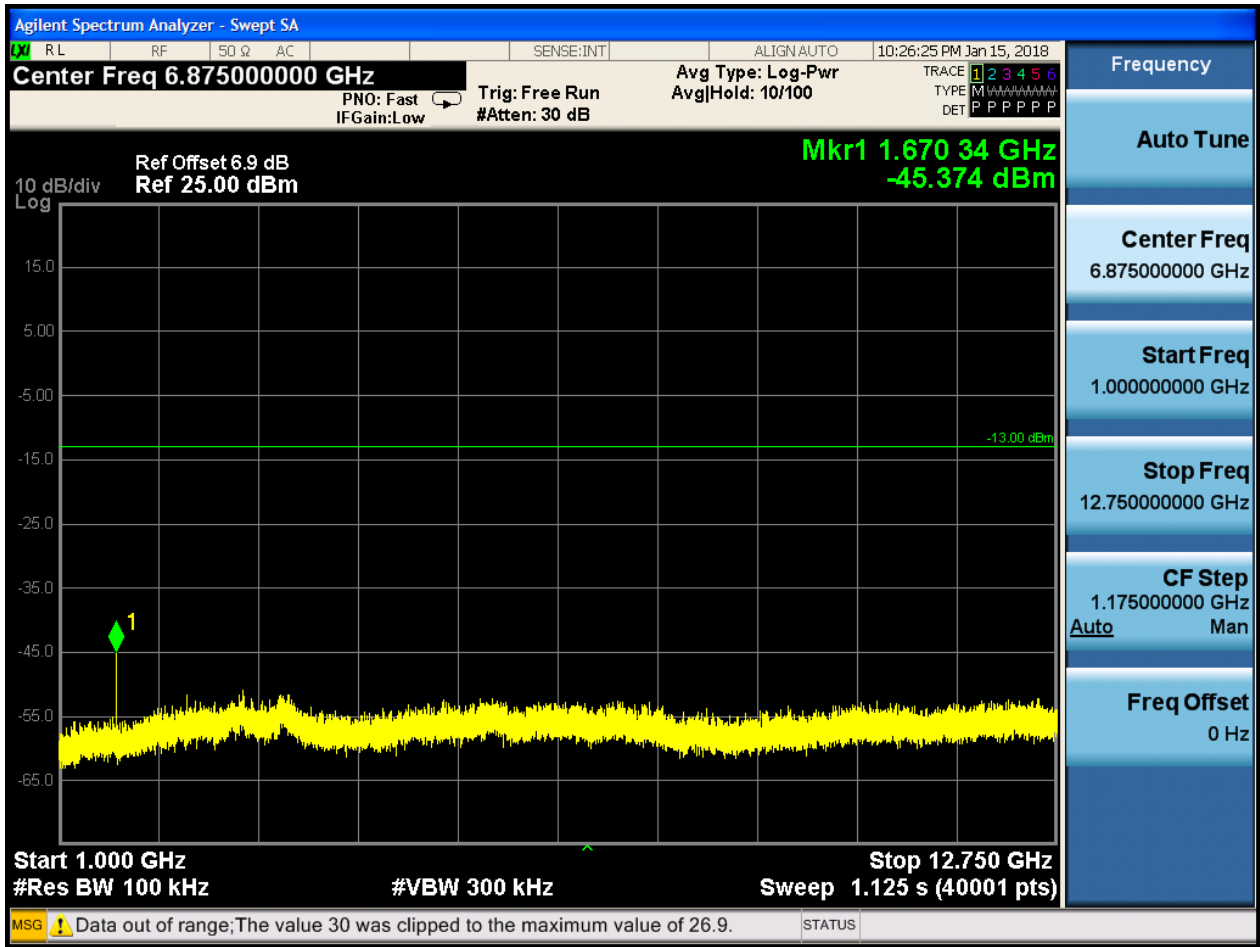


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



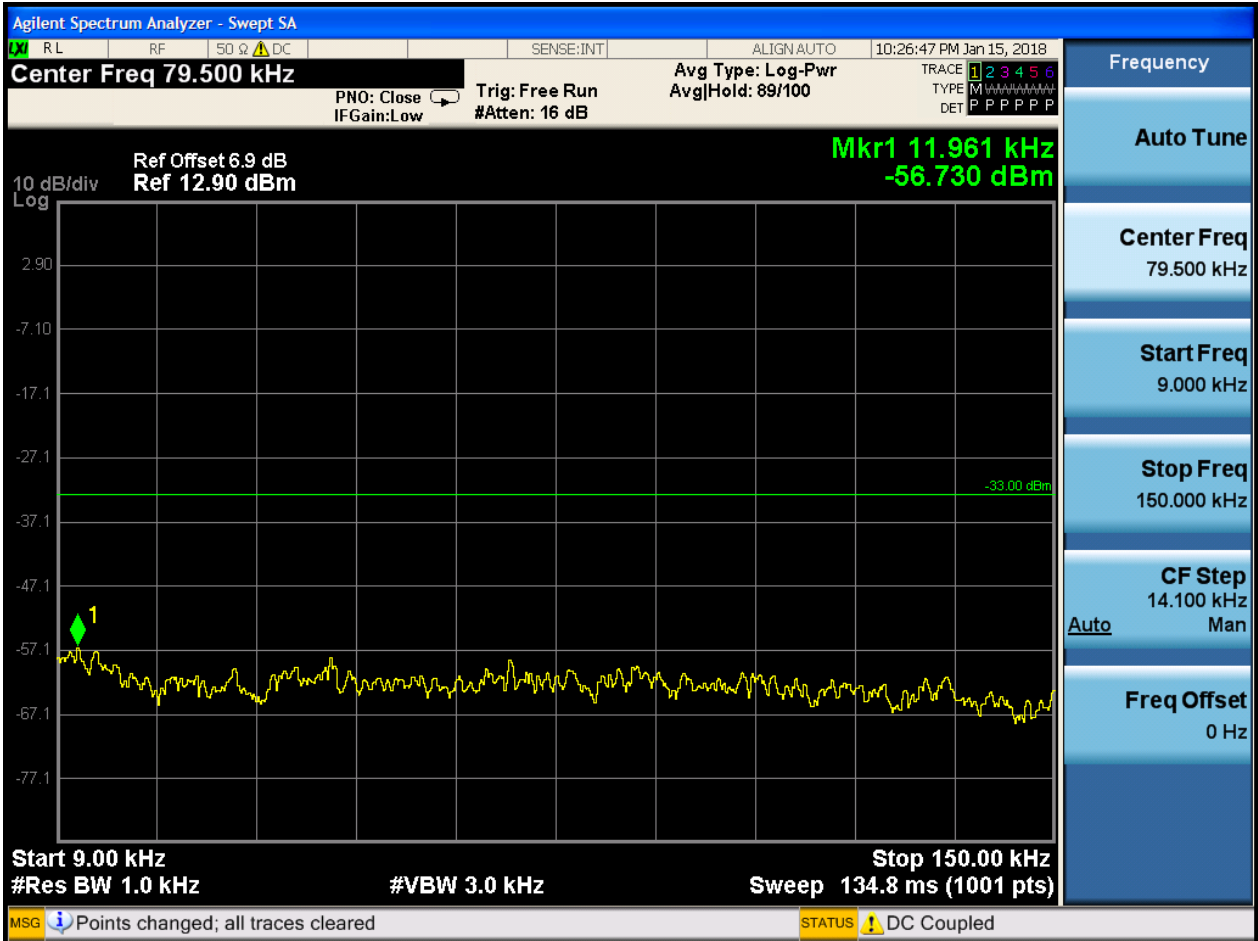


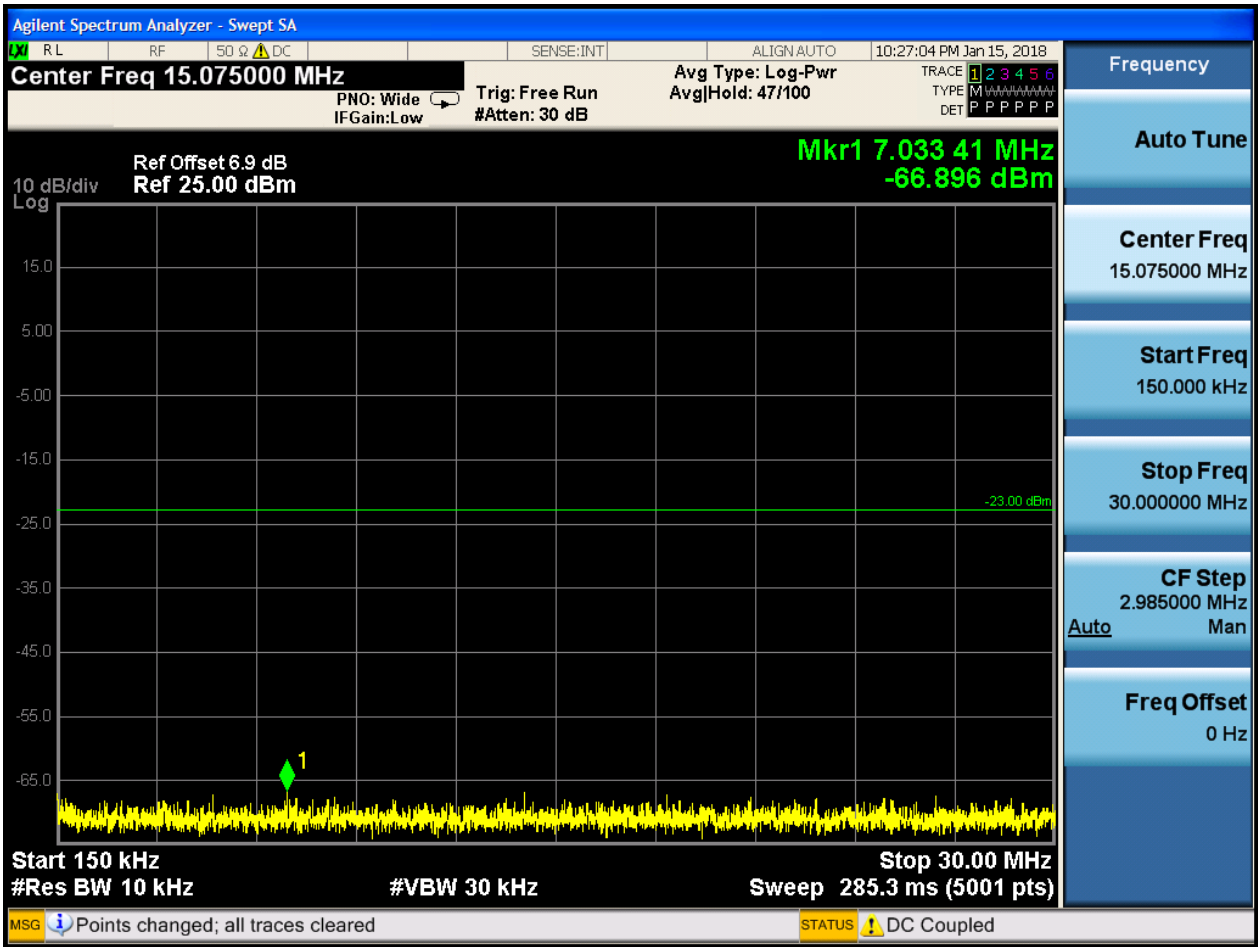


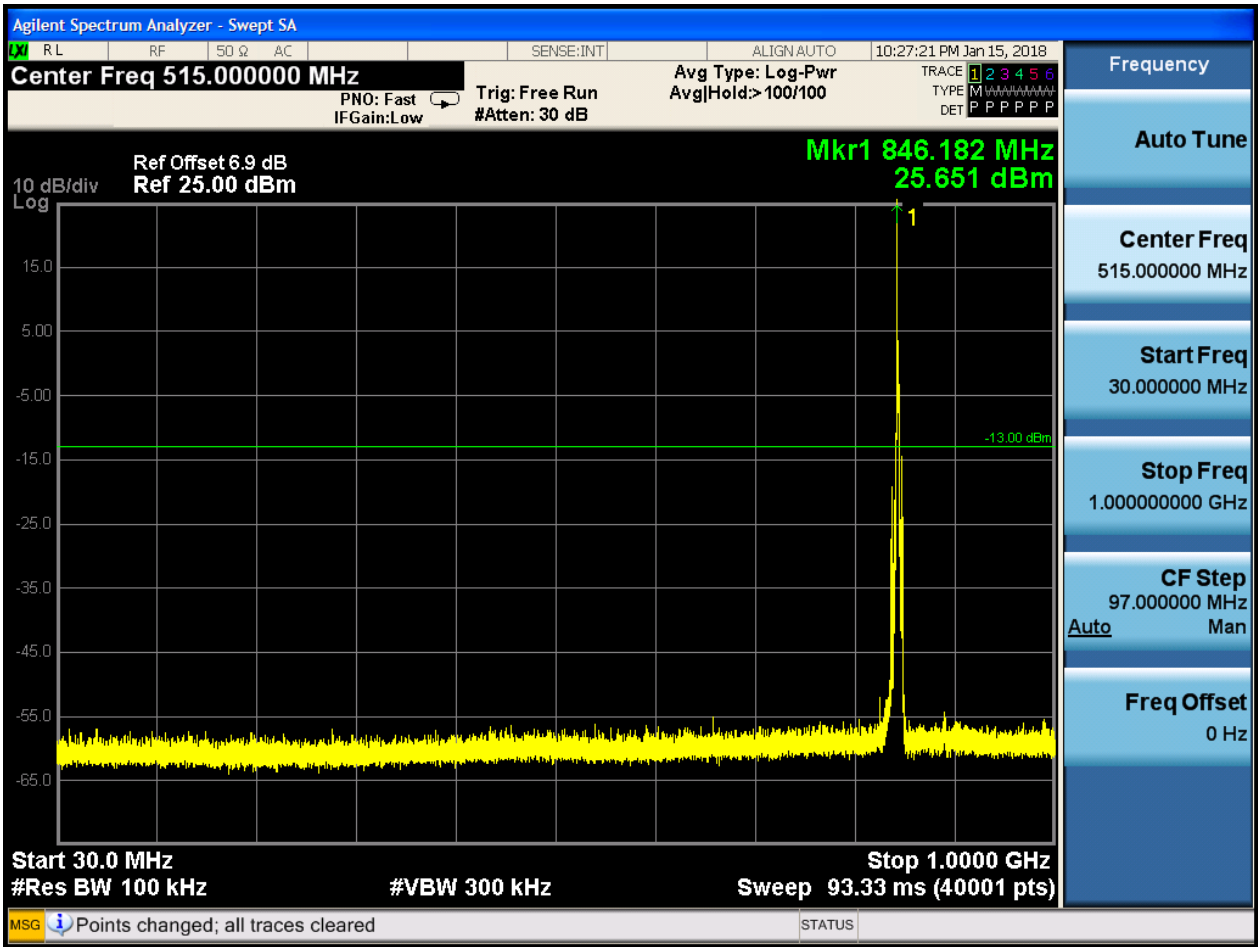


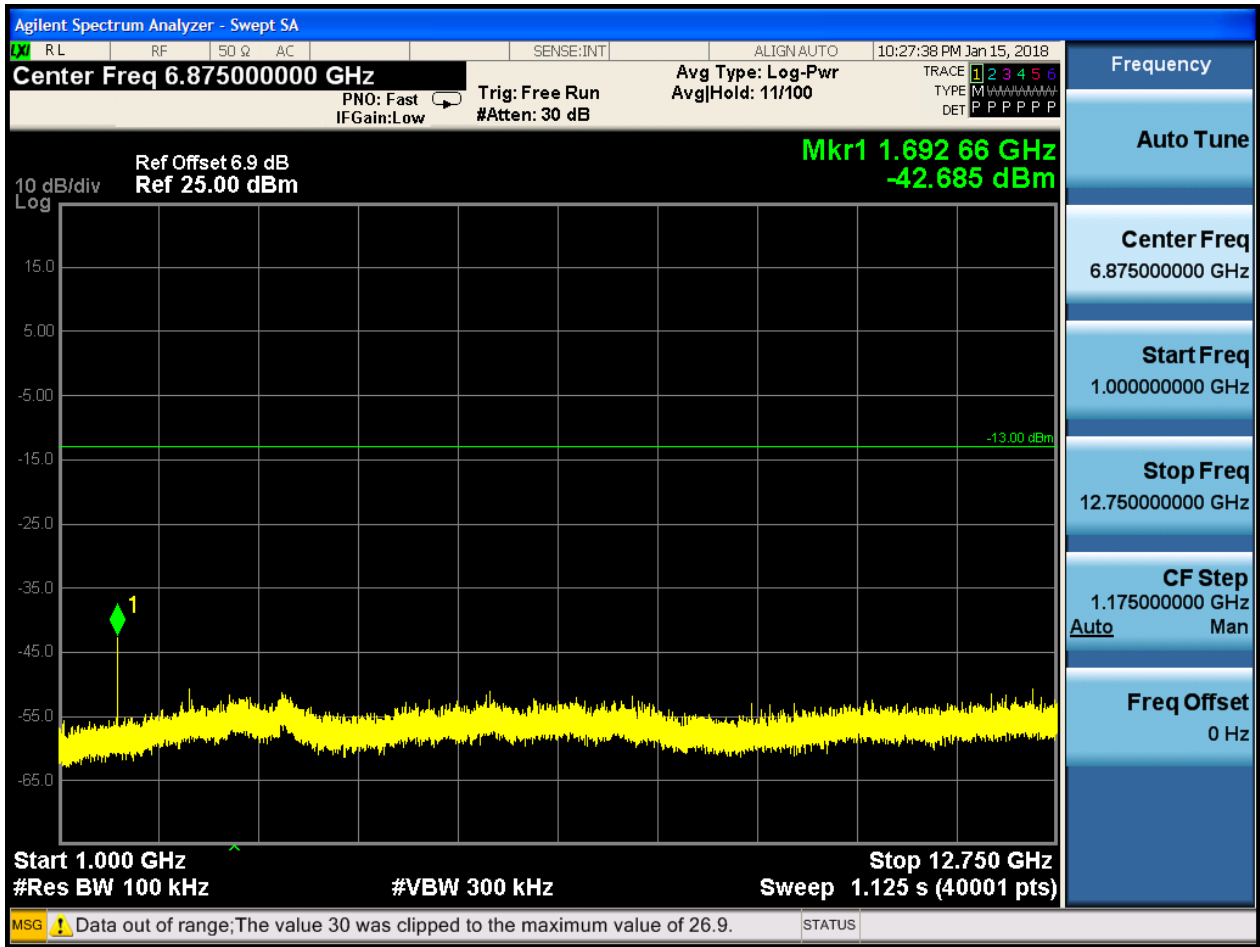
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







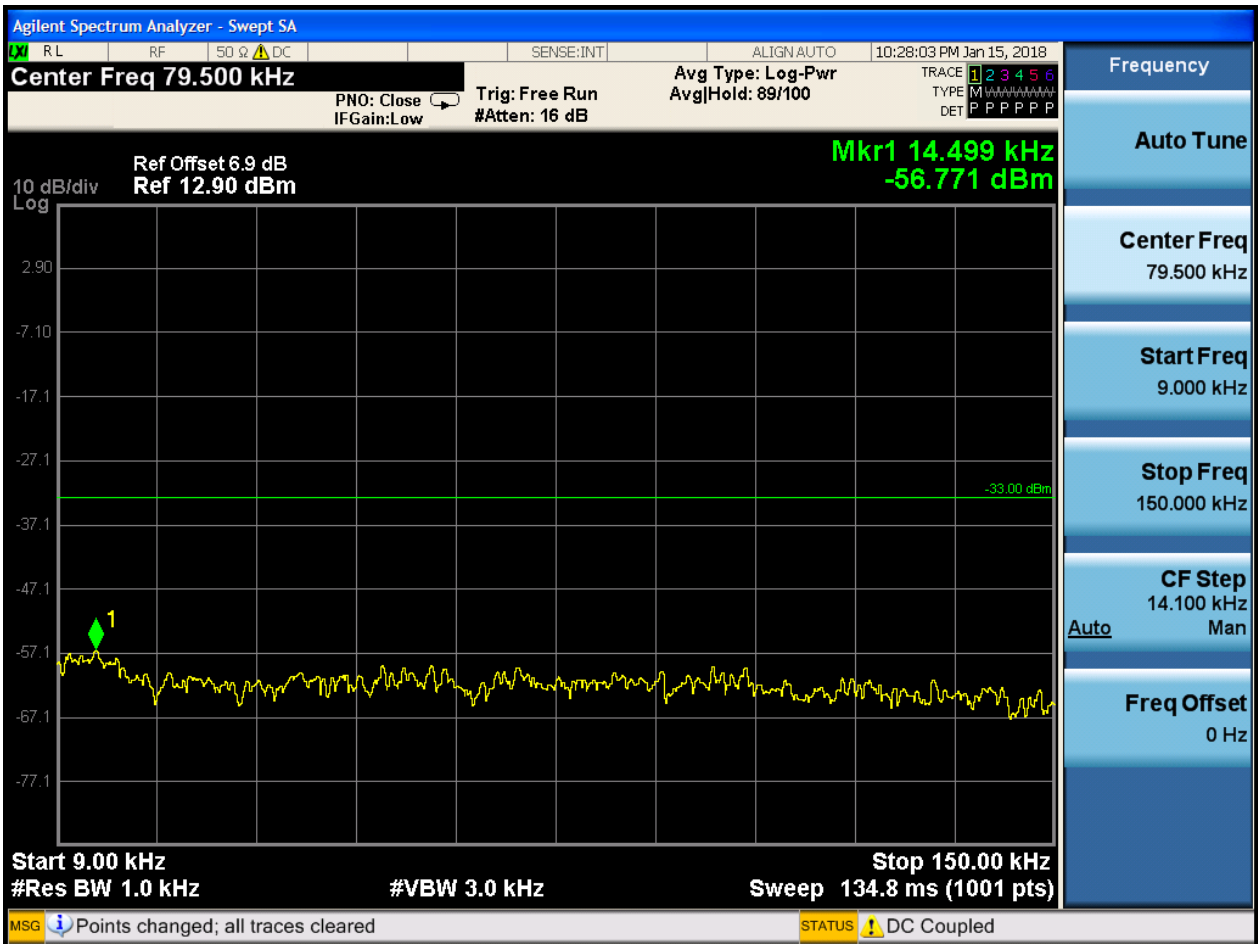


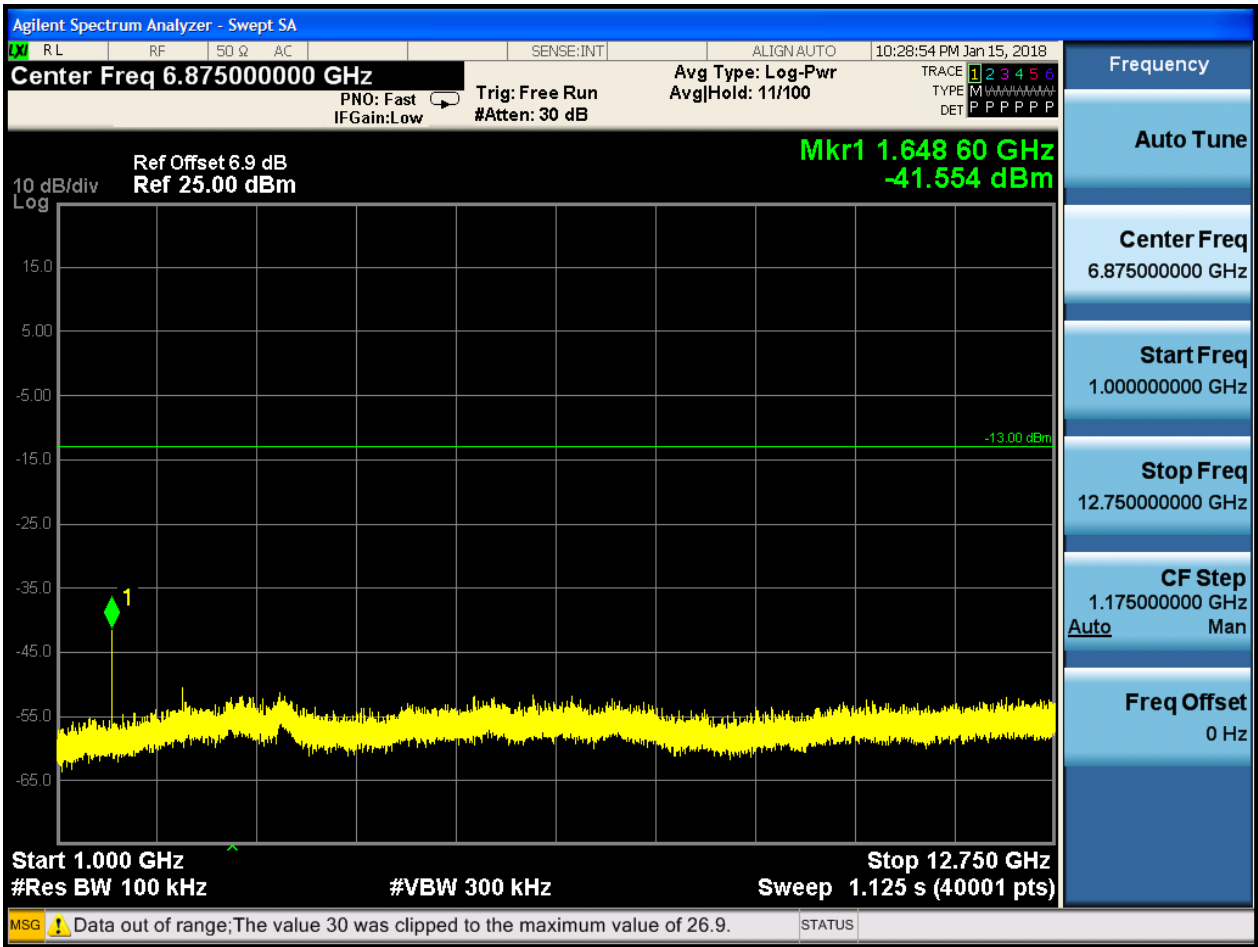


6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

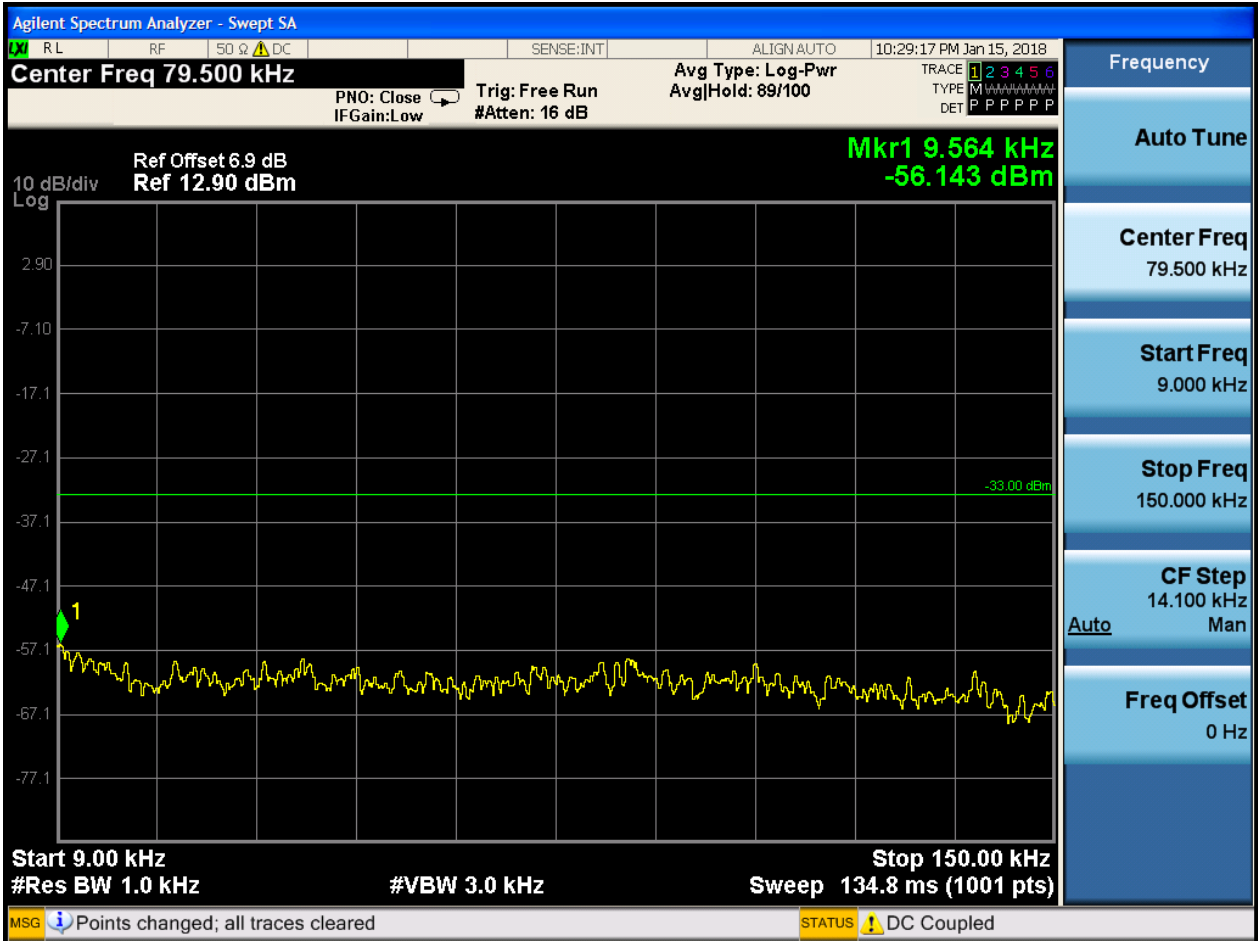






6.1.1.2.3.2 Test Channel = MCH

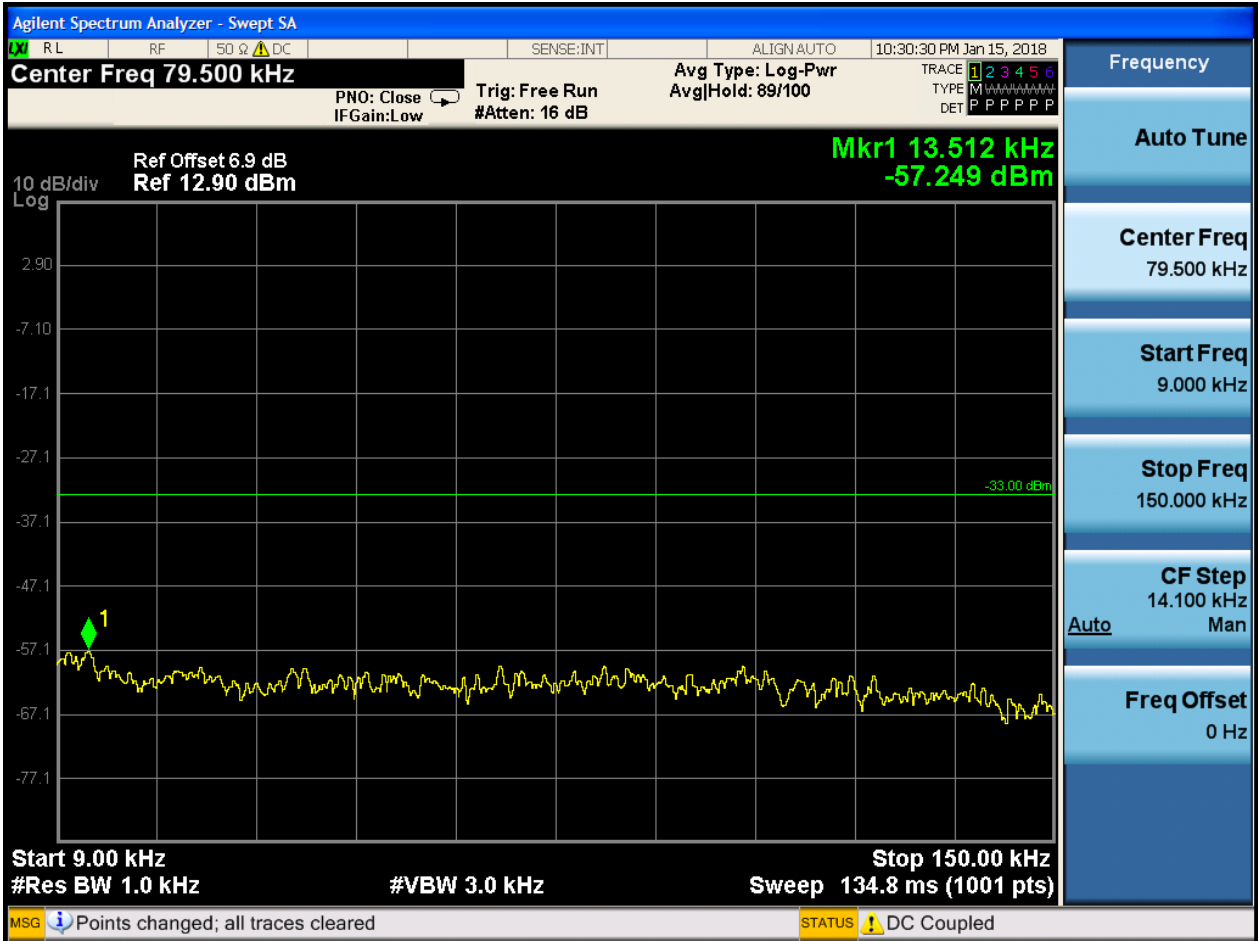
6.1.1.2.3.2.1 Test RB = RB1#0

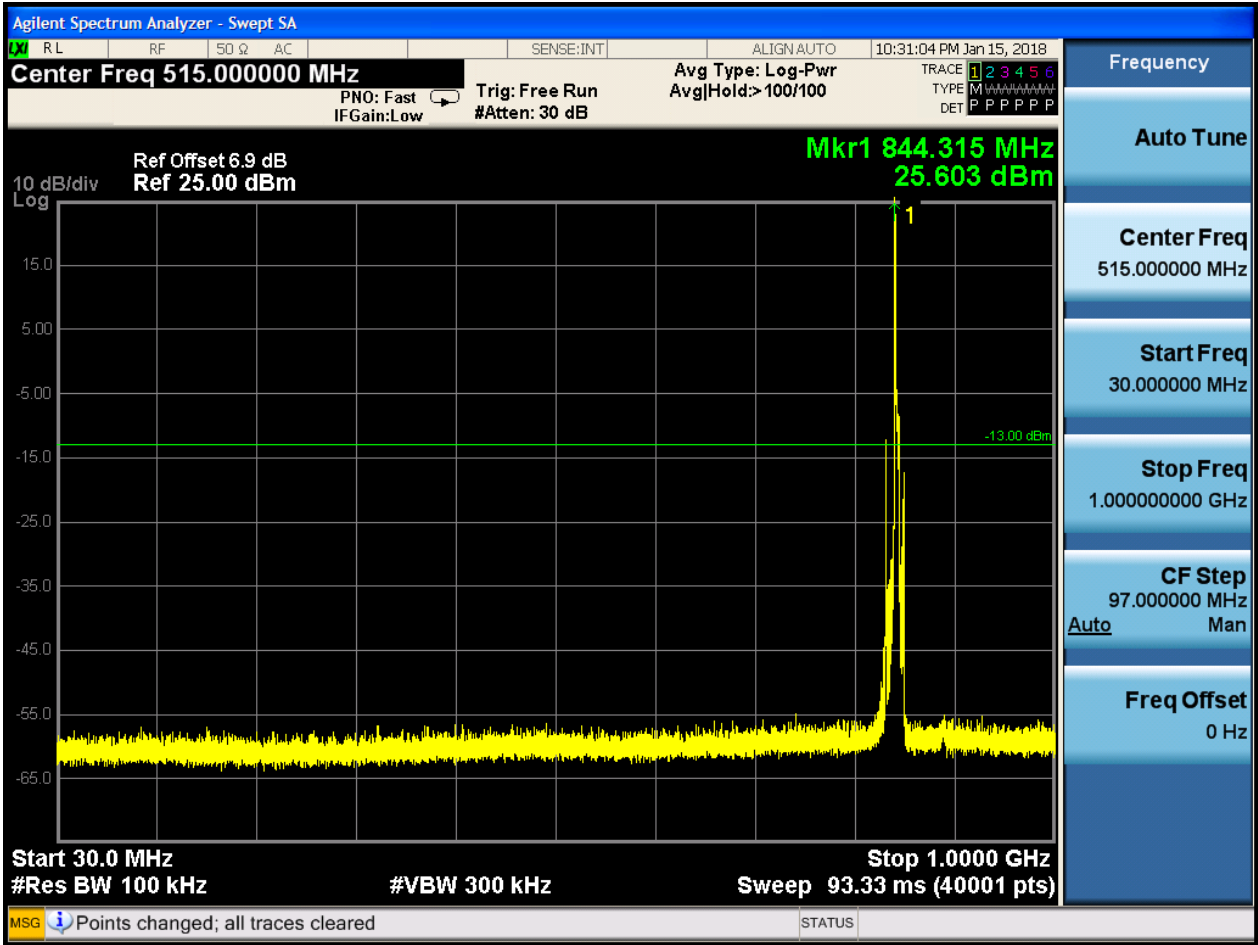


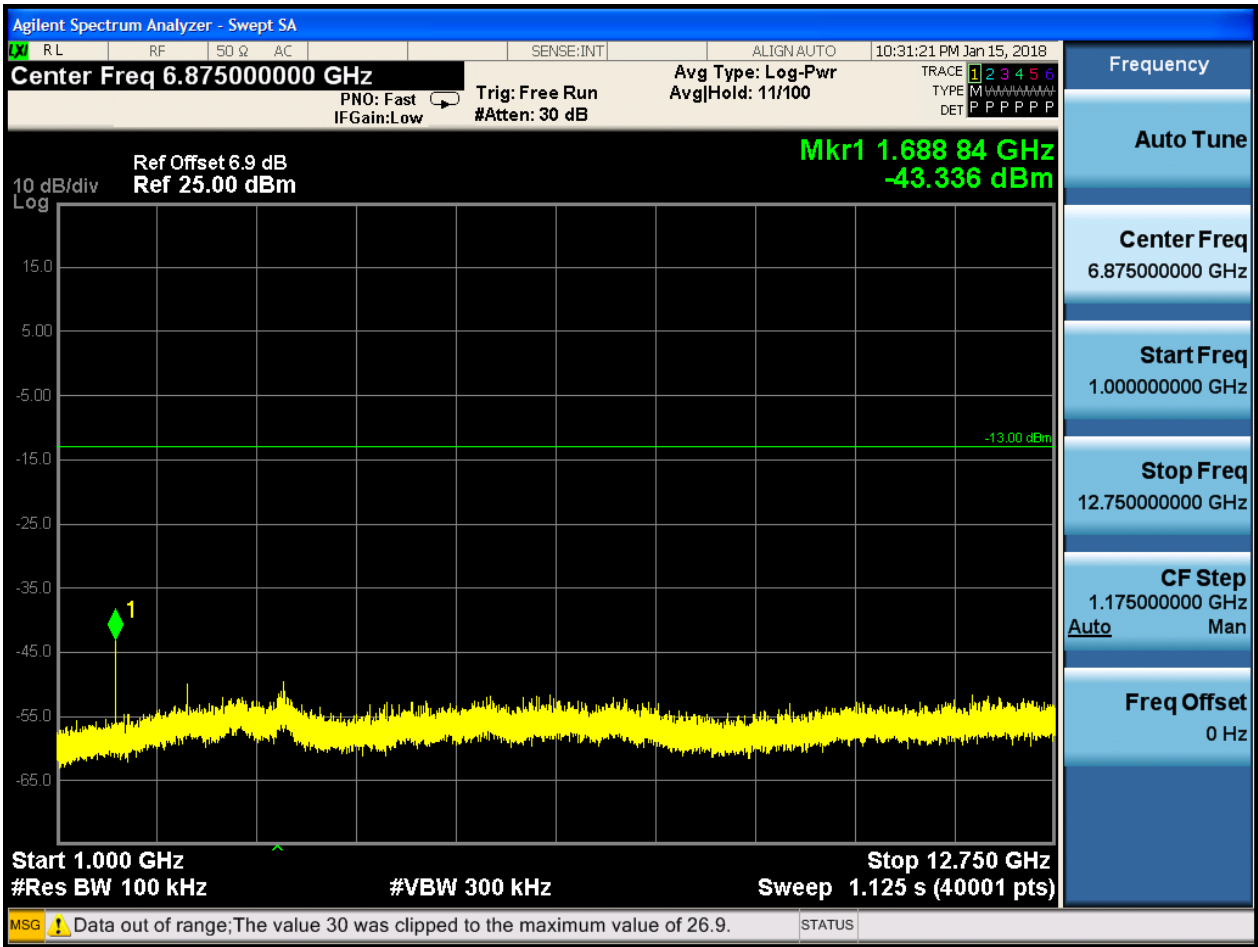


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





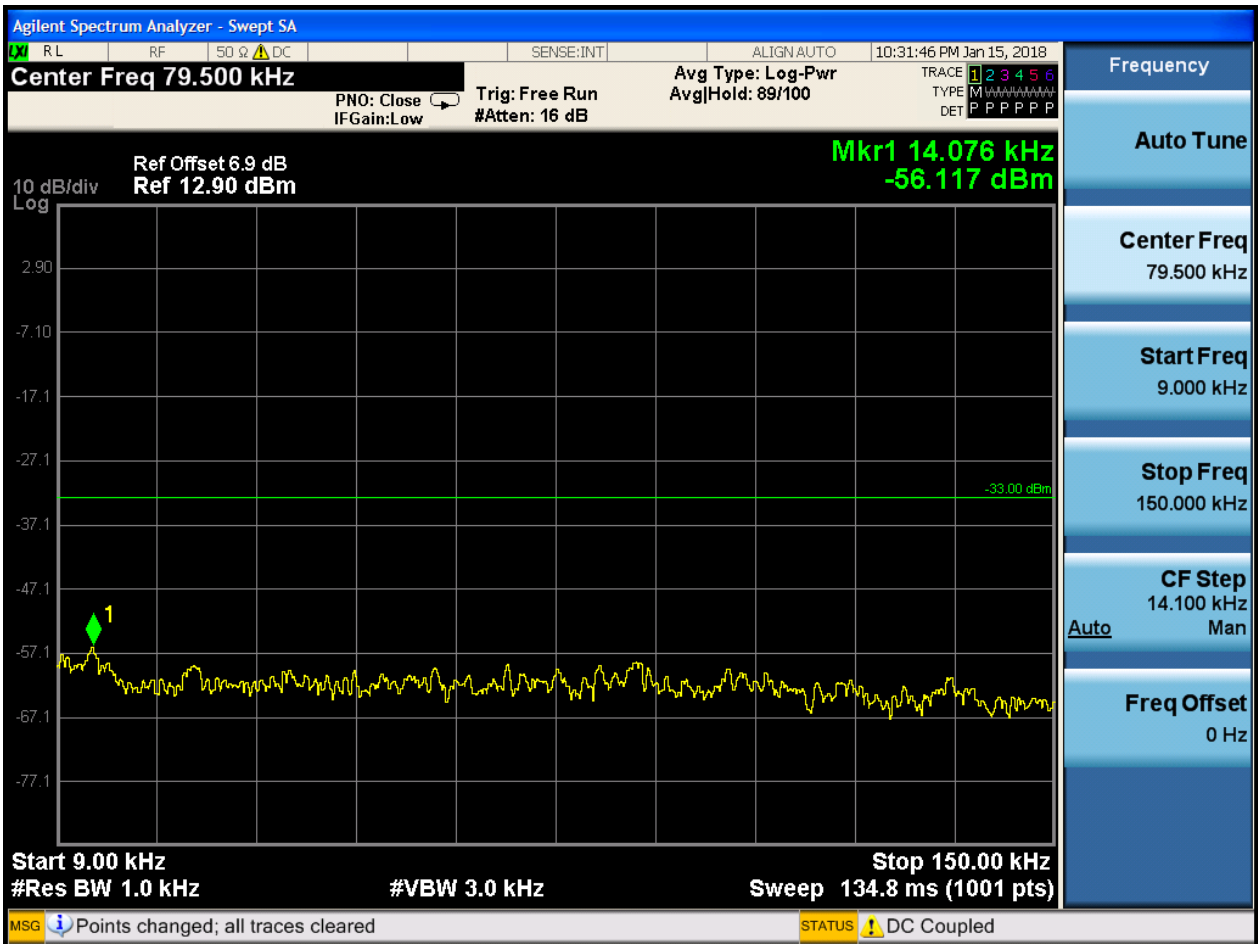


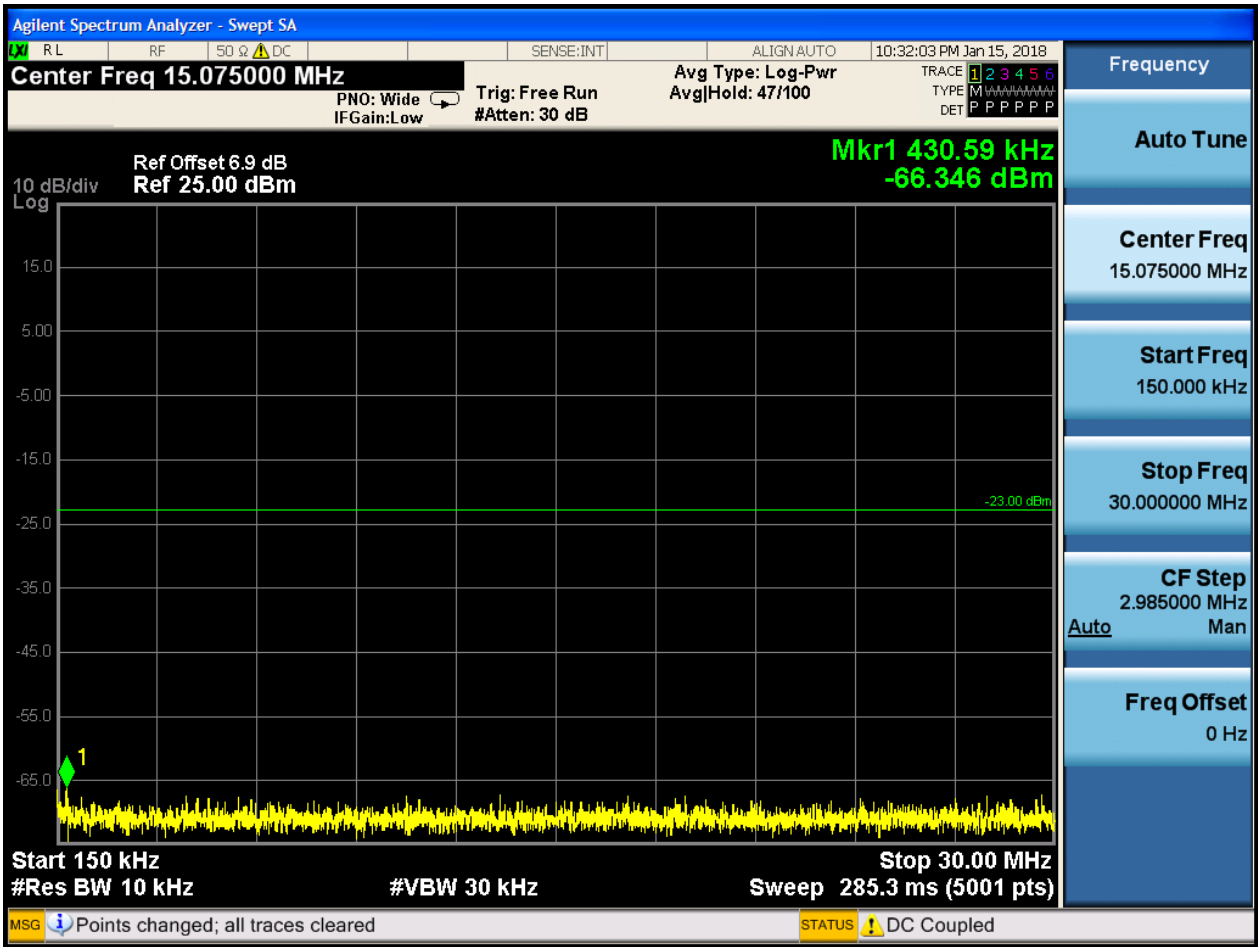


6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

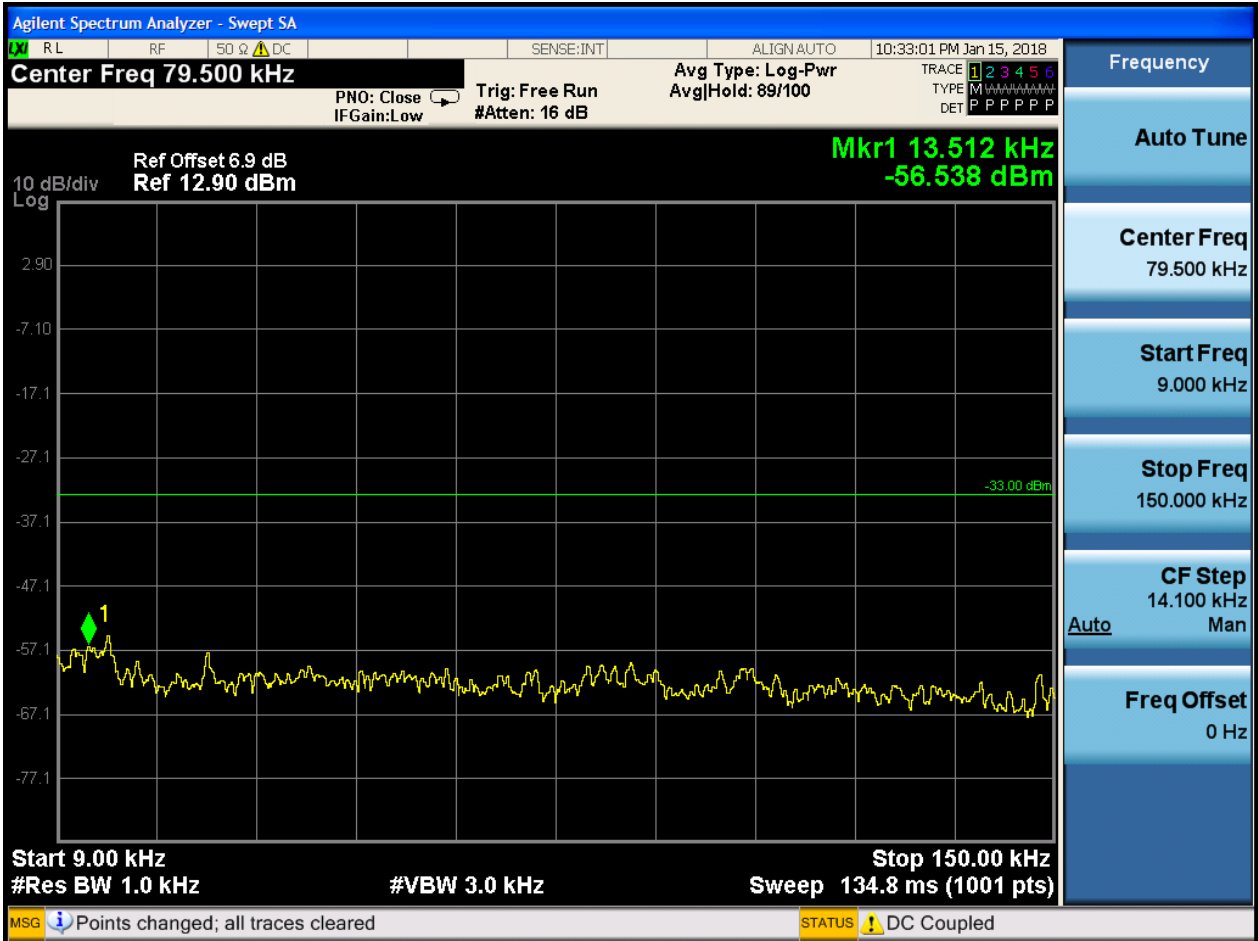


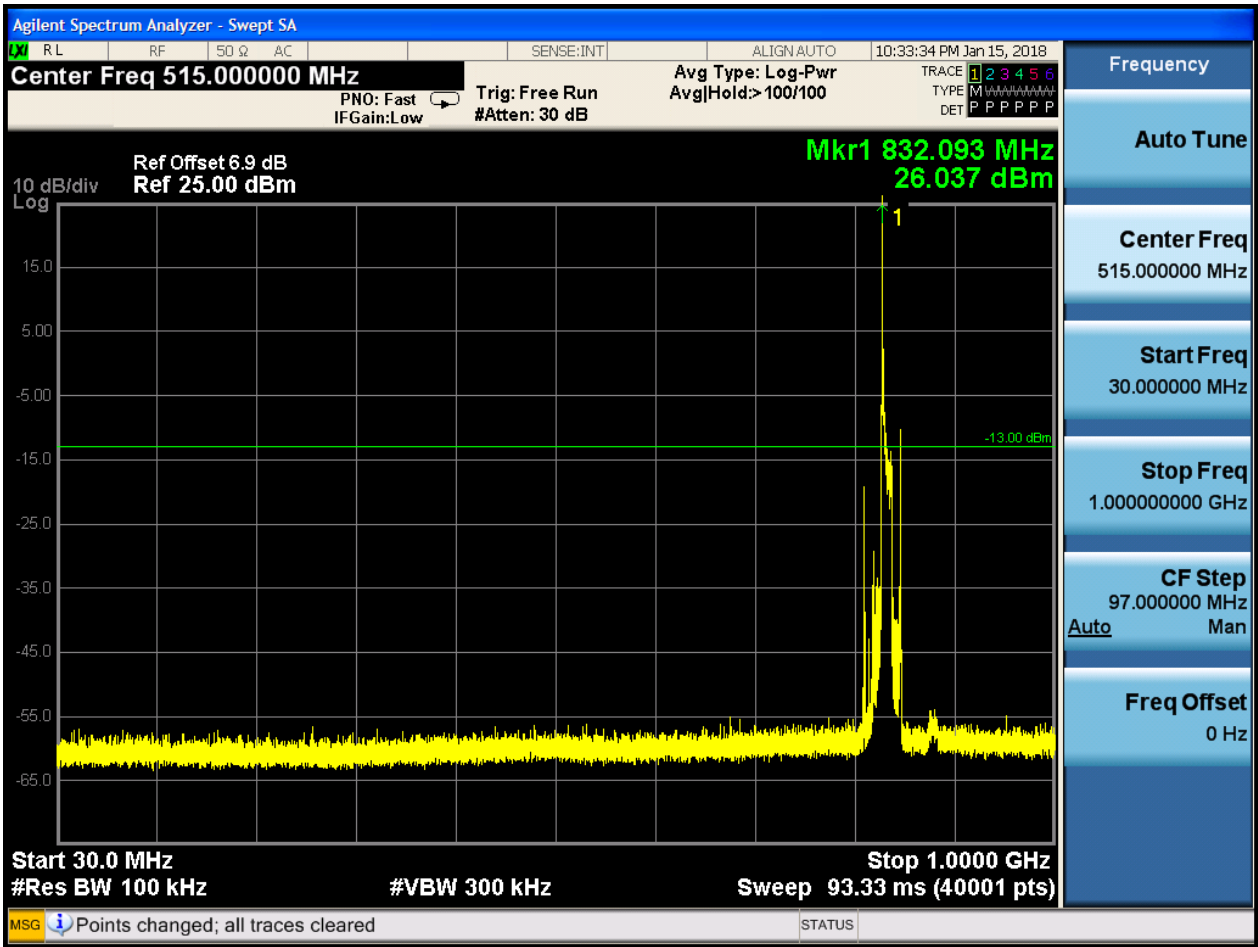


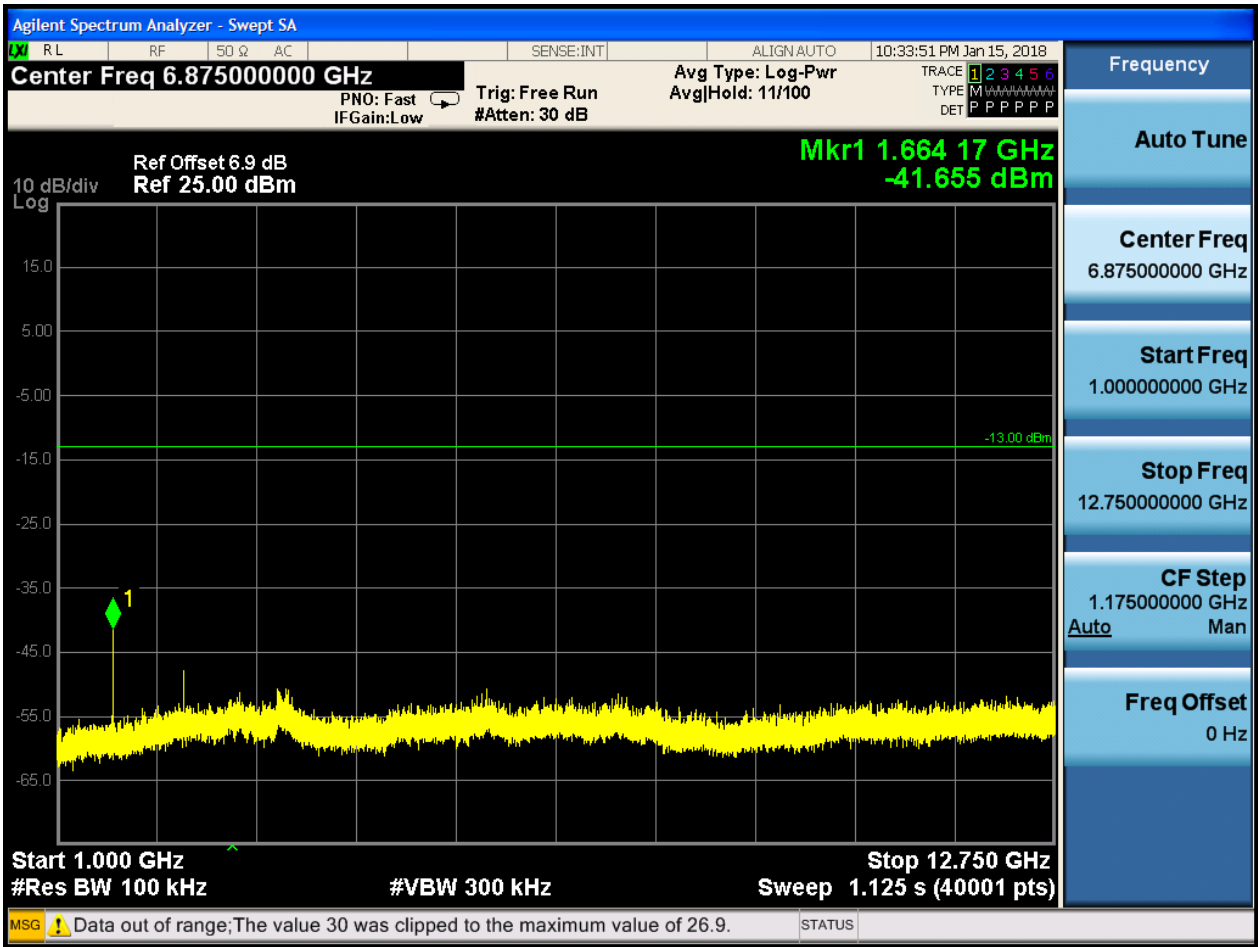


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



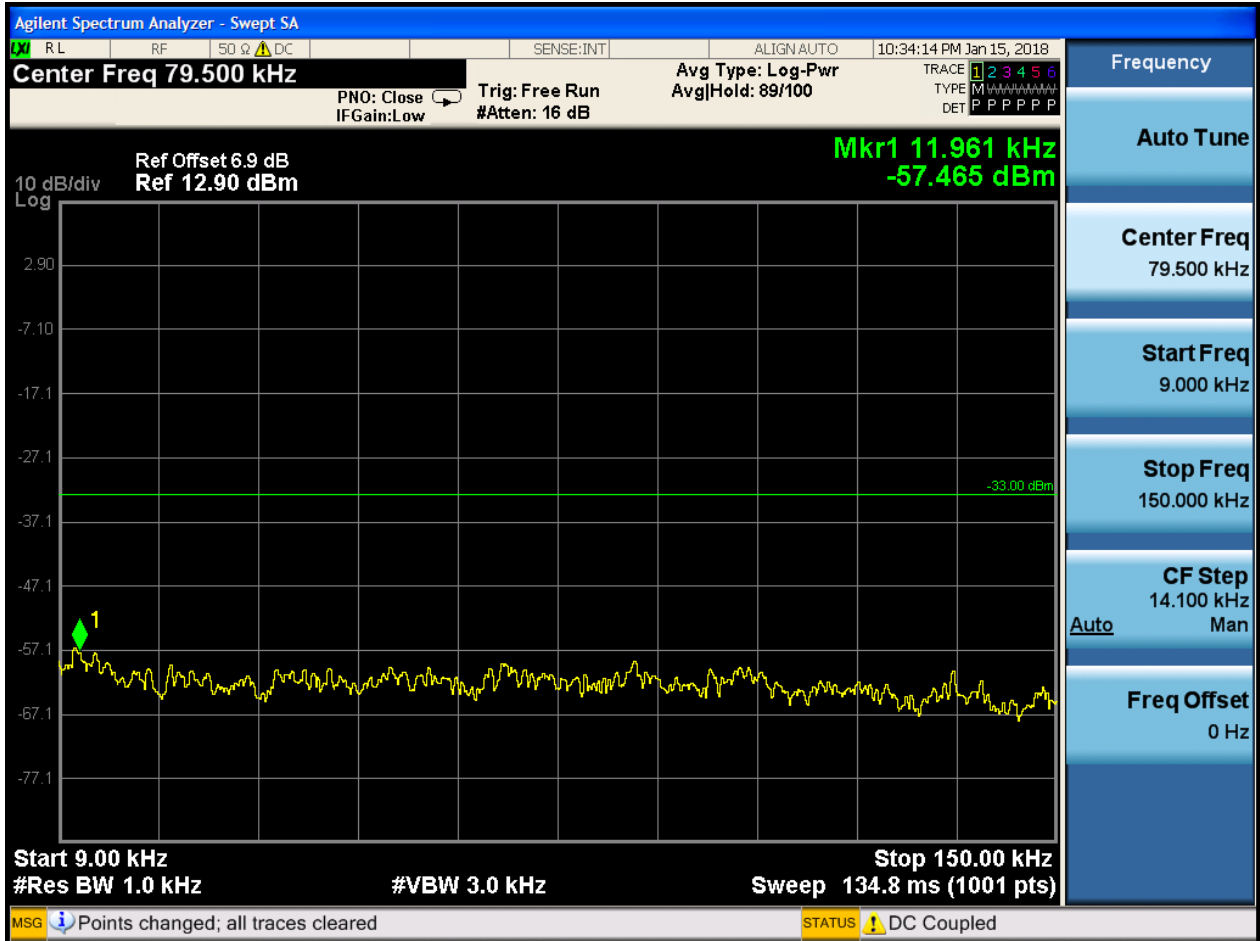


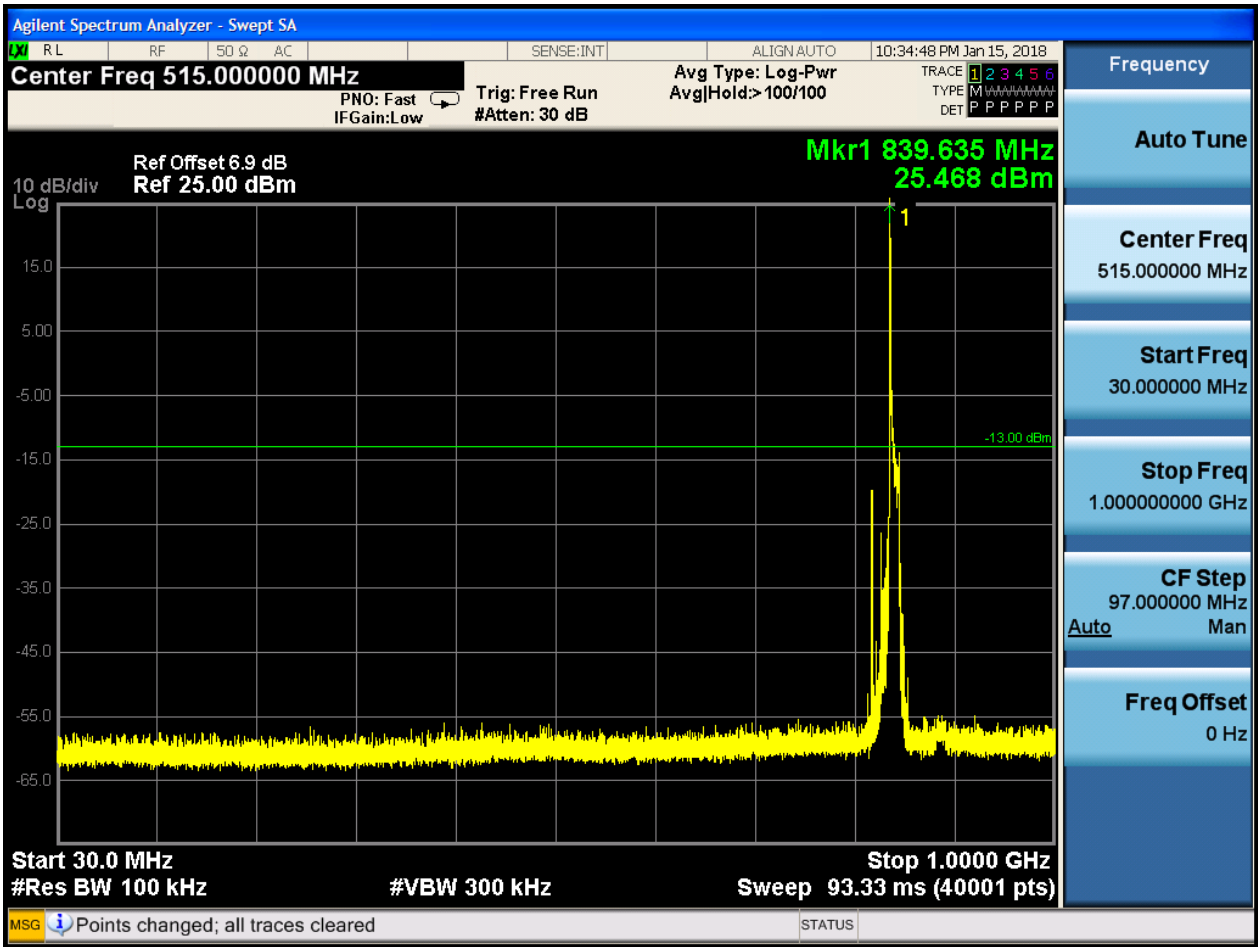


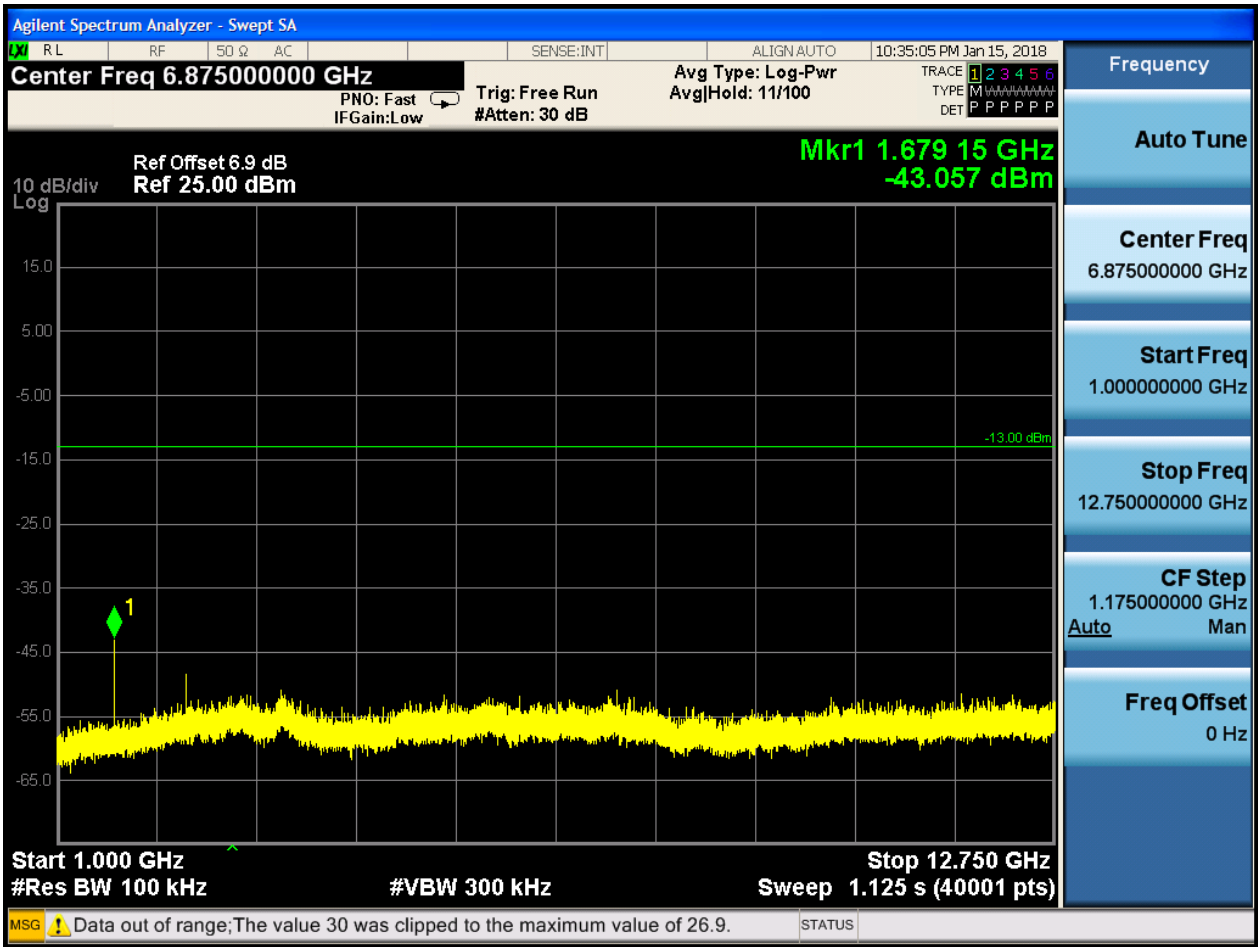


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







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

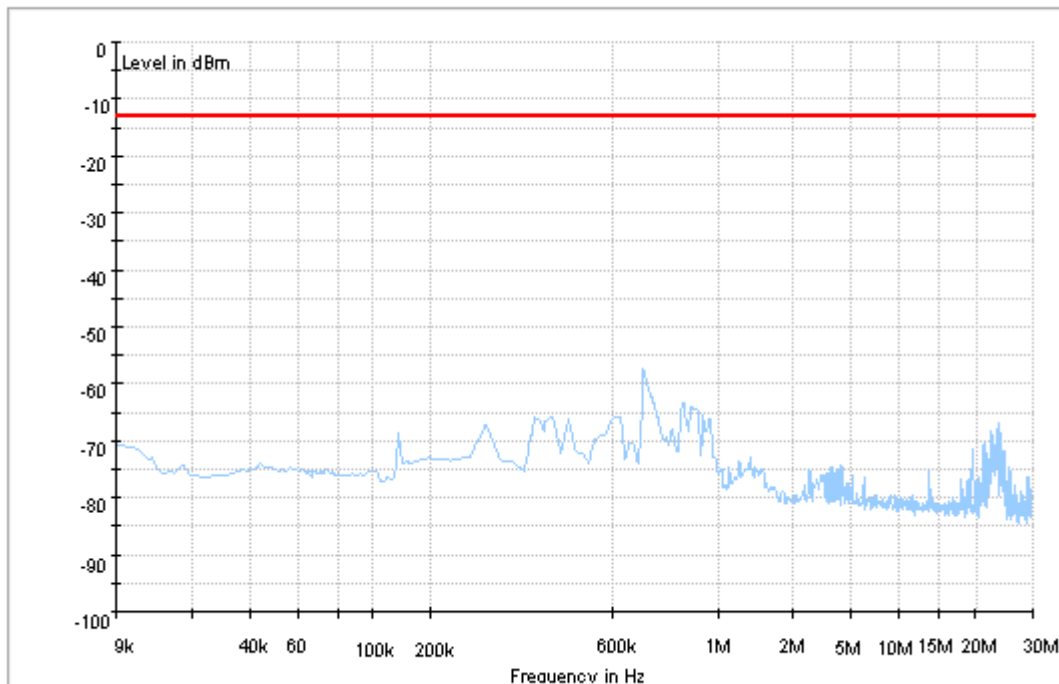
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

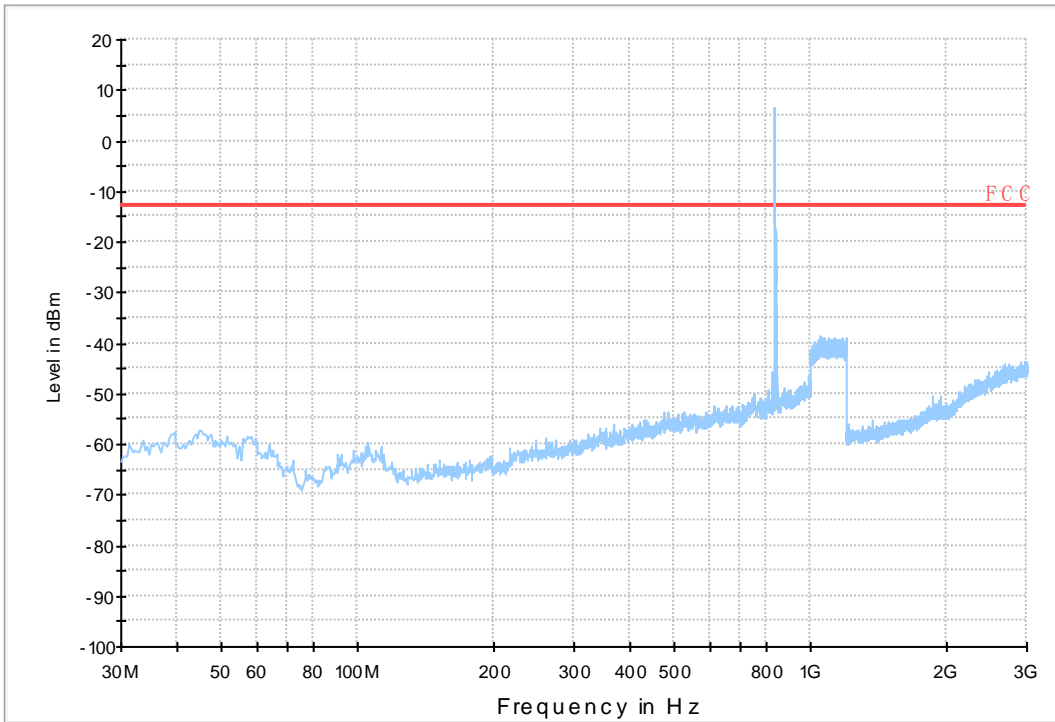
7.1 For LTE

7.1.1 Test Band = BAND5_ANT1

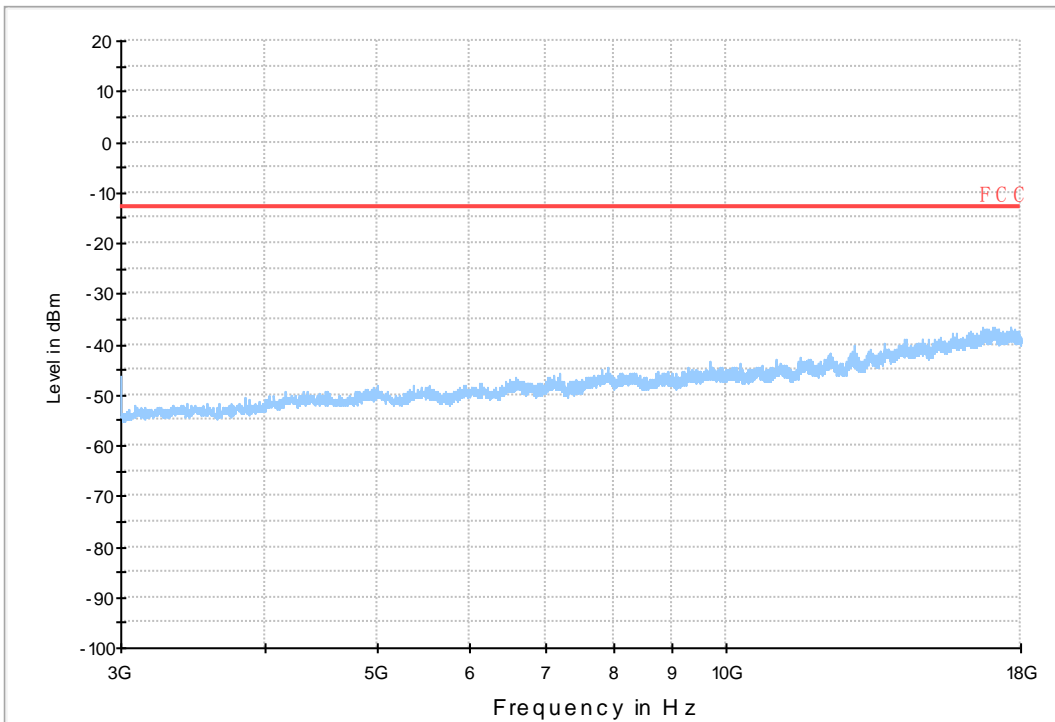
7.1.1.1 Test Bandwidth = 1.4



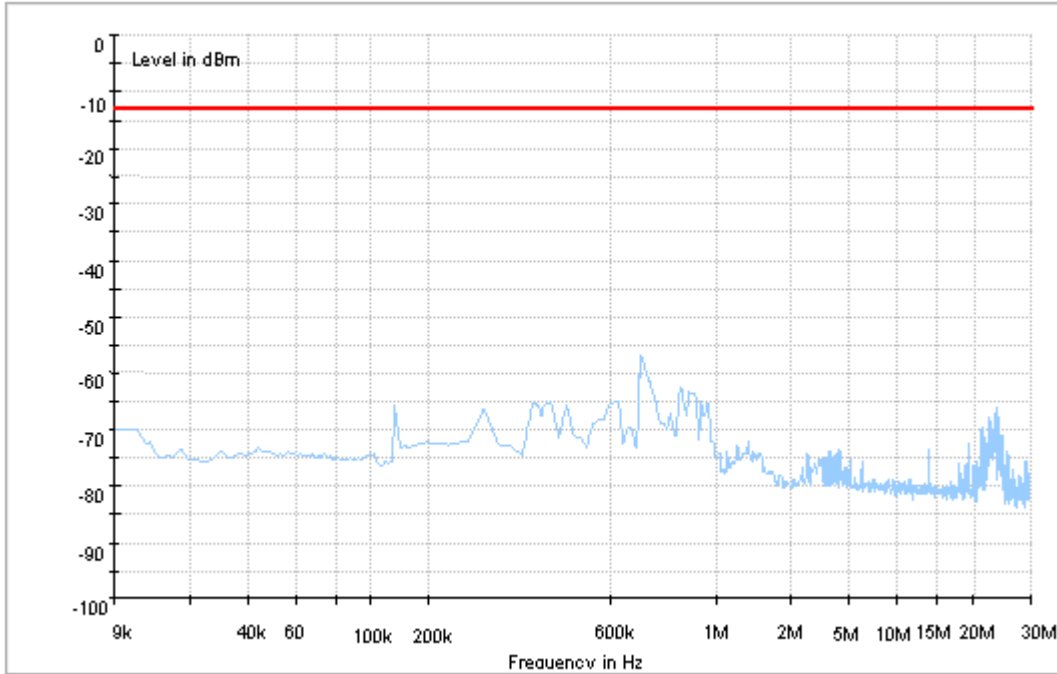
Copy of RSE-TX-DIRECTOR BELOW 1G_L



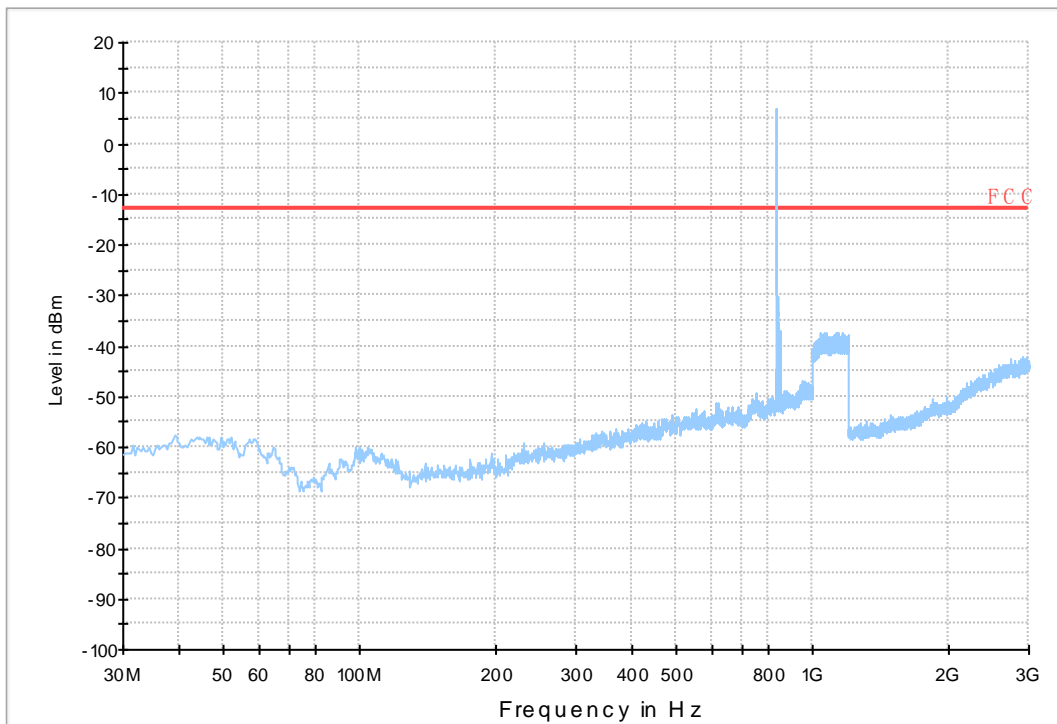
Copy of RSE-TX-DIRECTOR BELOW 1G_H



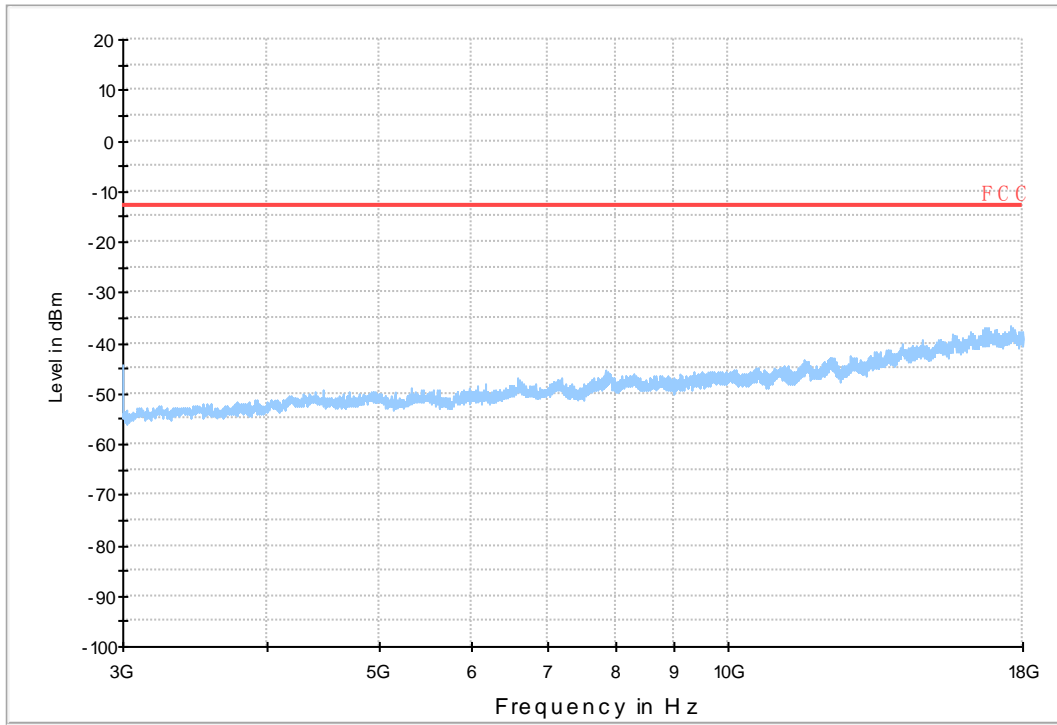
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

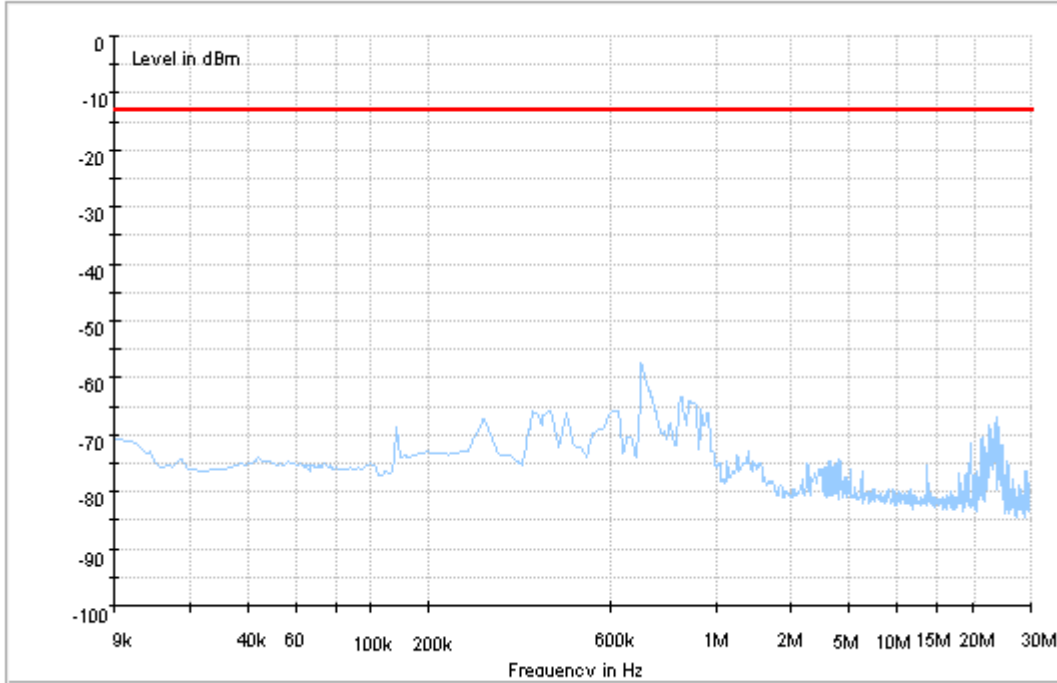


Copy of RSE-TX-DIRECTOR BELOW 1G_H

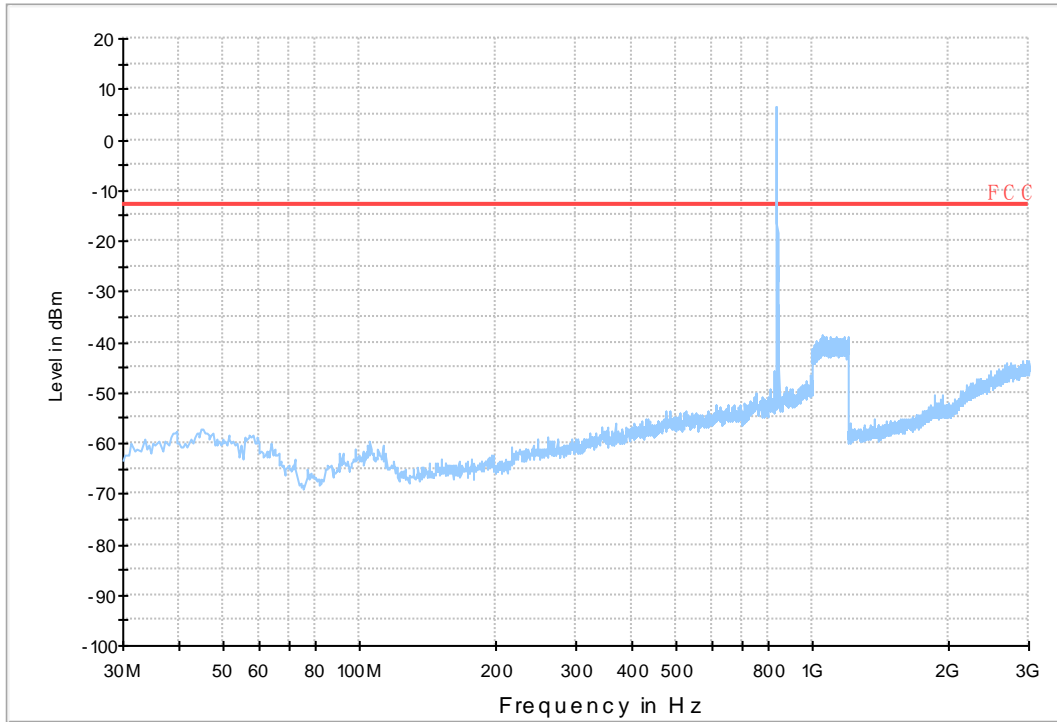


7.1.2 Test Band = BAND5_ANT2

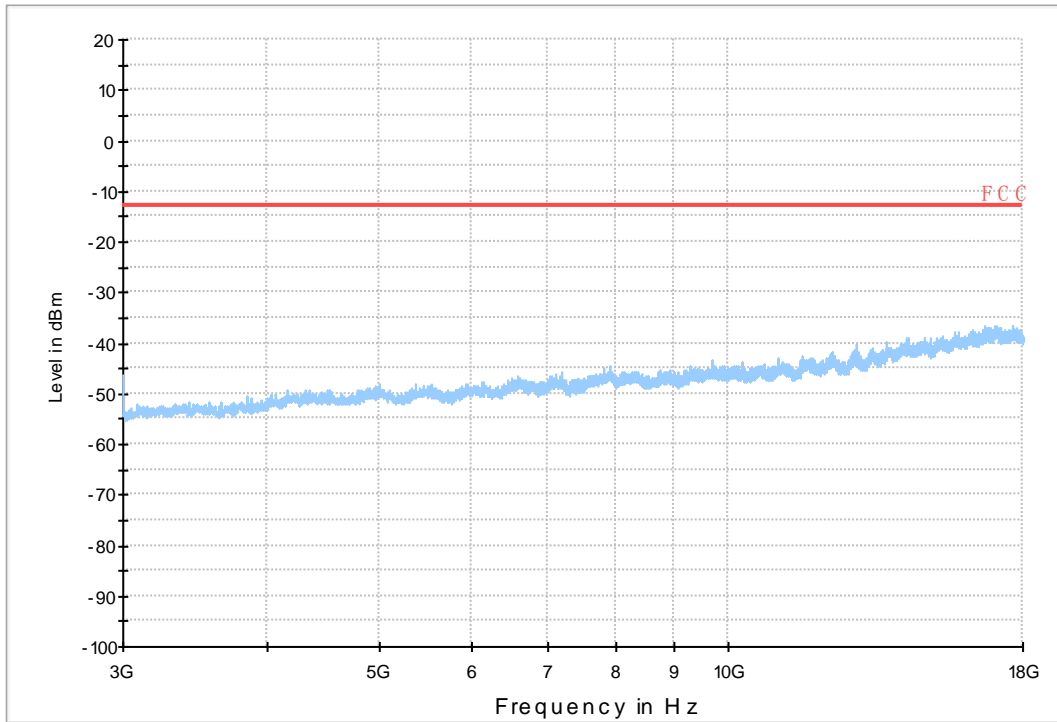
7.1.1.3 Test Bandwidth = 1.4



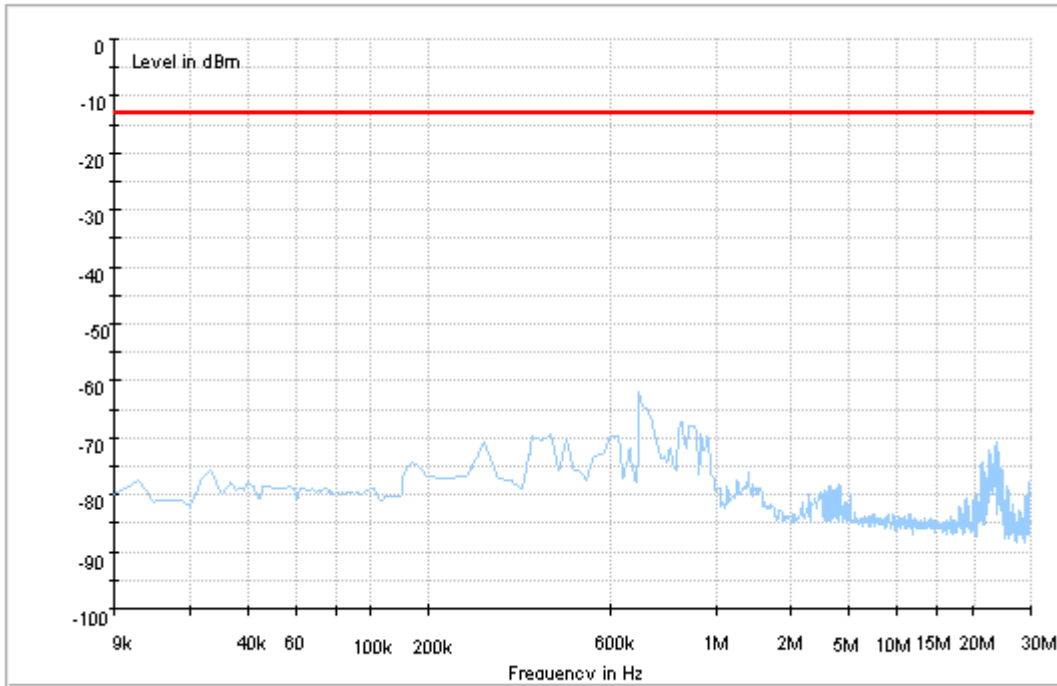
Copy of RSE-TX-DIRECTOR BELOW 1G_L



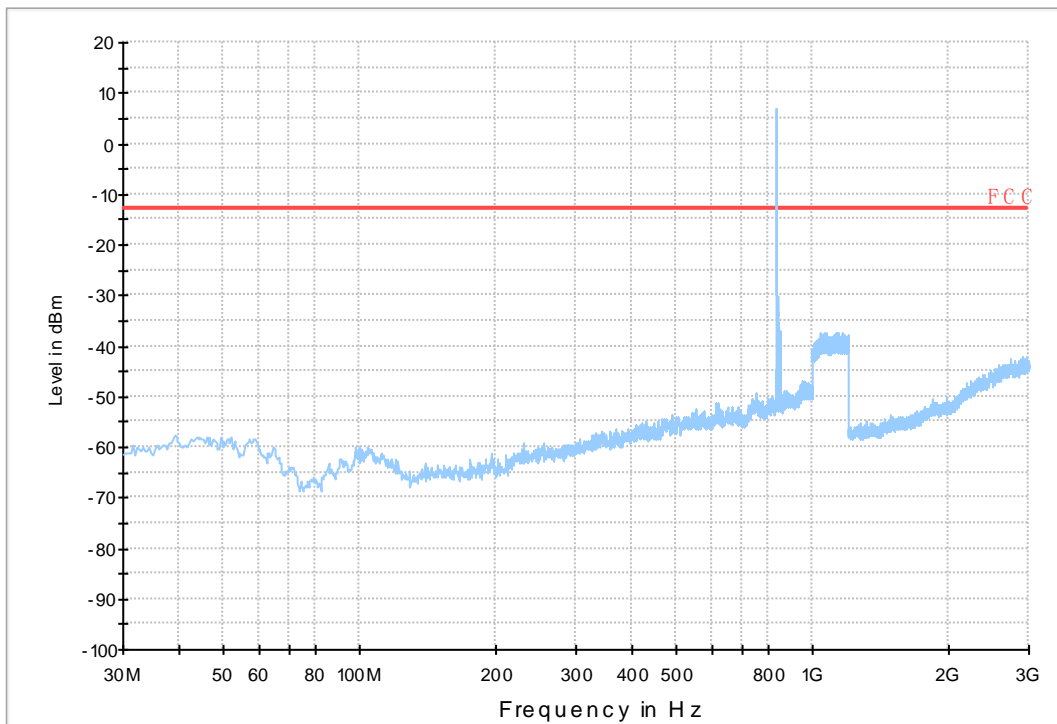
Copy of RSE-TX-DIRECTOR BELOW 1G_H



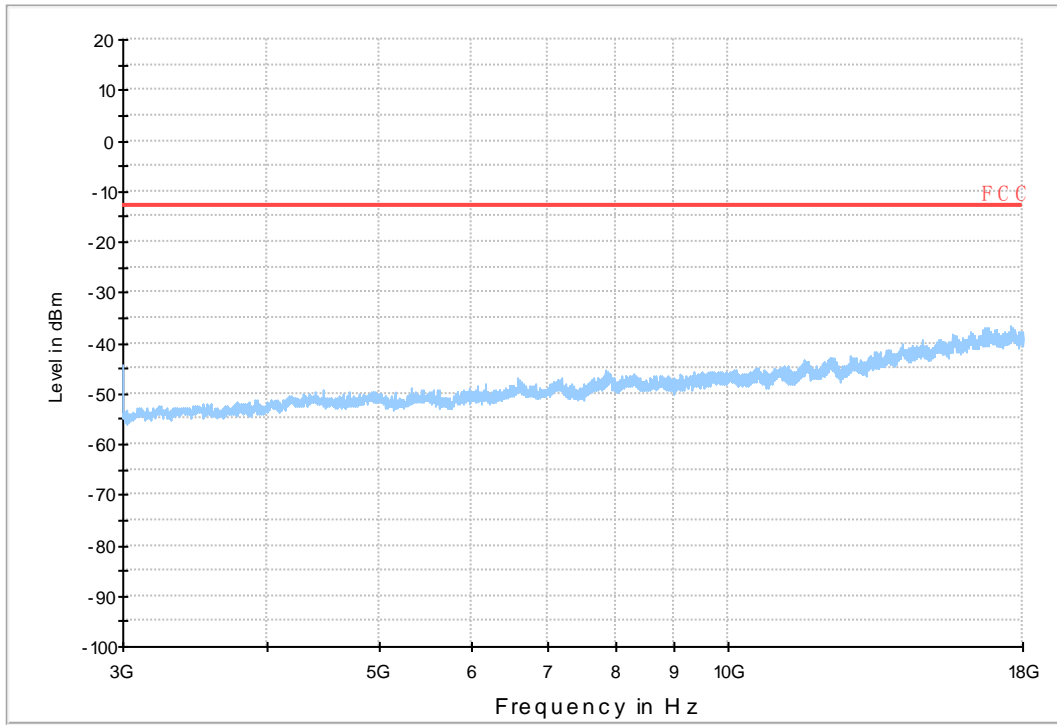
7.1.1.3 Test Bandwidth = 10



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
BAND5	LTE/TM1	1.4	LCH	TN	VL	9.21	0.01117	PASS
					VN	-3.81	-0.00462	PASS
					VH	8.13	0.00986	PASS
			MCH	TN	VL	-5.65	-0.00675	PASS
					VN	-0.97	-0.00116	PASS
					VH	8.37	0.01001	PASS
			HCH	TN	VL	9.10	0.01073	PASS
					VN	-4.36	-0.00514	PASS
					VH	14.69	0.01732	PASS
		3	LCH	TN	VL	3.48	0.00422	PASS
					VN	-0.62	-0.00075	PASS
					VH	1.17	0.00142	PASS
			MCH	TN	VL	-2.45	-0.00293	PASS
					VN	5.26	0.00629	PASS
					VH	-10.10	-0.01207	PASS
			HCH	TN	VL	-0.94	-0.00111	PASS
					VN	-1.82	-0.00215	PASS
					VH	0.69	0.00081	PASS
		5	LCH	TN	VL	-9.66	-0.01169	PASS
					VN	-9.40	-0.01137	PASS
					VH	-9.38	-0.01135	PASS
			MCH	TN	VL	-6.54	-0.00782	PASS
					VN	2.65	0.00317	PASS
					VH	1.63	0.00195	PASS
			HCH	TN	VL	0.46	0.00054	PASS
					VN	-1.29	-0.00152	PASS
					VH	-0.94	-0.00111	PASS
		10	LCH	TN	VL	1.33	0.0016	PASS
					VN	-0.60	-0.00072	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VH	-0.79	-0.00095	PASS
					VL	-0.94	-0.00112	PASS
					VN	0.40	0.00048	PASS
			VH	2.09	0.0025	PASS		
			HCH	TN	VL	-2.16	-0.00256	PASS
					VN	-1.85	-0.00219	PASS
		VH			9.57	0.01134	PASS	
		1.4	LCH	TN	VL	2.60	0.00315	PASS
					VN	-3.82	-0.00463	PASS
					VH	-0.73	-0.00089	PASS
			MCH	TN	VL	2.49	0.00298	PASS
					VN	-12.59	-0.01505	PASS
					VH	1.46	0.00175	PASS
		HCH	TN	VL	-4.62	-0.00545	PASS	
				VN	9.33	0.011	PASS	
				VH	-4.53	-0.00534	PASS	
		3	LCH	TN	VL	1.36	0.00165	PASS
					VN	-0.66	-0.0008	PASS
	VH				0.23	0.00028	PASS	
	MCH		TN	VL	1.22	0.00146	PASS	
				VN	5.38	0.00643	PASS	
				VH	-2.20	-0.00263	PASS	
	HCH		TN	VL	0.49	0.00058	PASS	
				VN	0.20	0.00024	PASS	
				VH	-8.81	-0.0104	PASS	
	5	LCH	TN	VL	1.76	0.00213	PASS	
				VN	-0.97	-0.00117	PASS	
				VH	-2.72	-0.00329	PASS	
		MCH	TN	VL	0.41	0.00049	PASS	
				VN	-3.48	-0.00416	PASS	
				VH	7.01	0.00838	PASS	
	HCH	TN	VL	0.37	0.00044	PASS		
			VN	-0.21	-0.00025	PASS		
			VH	-0.34	-0.0004	PASS		
	10	LCH	TN	VL	0.69	0.00083	PASS	
				VN	3.06	0.00369	PASS	
				VH	1.95	0.00235	PASS	
		MCH	TN	VL	1.12	0.00134	PASS	
				VN	3.19	0.00381	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-1.37	-0.00164	PASS
			HCH	TN	VL	9.78	0.01159	PASS
					VN	0.19	0.00023	PASS
					VH	-2.65	-0.00314	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
BAND5	LTE/TM1	1.4	LCH	VN	-30	8.51	0.01032	PASS
					-20	-1.16	-0.00141	PASS
					-10	4.12	0.005	PASS
					0	2.15	0.00261	PASS
					10	7.87	0.00954	PASS
					20	-2.69	-0.00326	PASS
					30	3.95	0.00479	PASS
			40	-0.83	-0.00101	PASS		
			50	3.18	0.00386	PASS		
			MCH	VN	-30	3.40	0.00406	PASS
					-20	11.19	0.01338	PASS
					-10	-7.98	-0.00954	PASS
					0	1.62	0.00194	PASS
					10	16.64	0.01989	PASS
		20			-9.60	-0.01148	PASS	
		30			0.46	0.00055	PASS	
		40	-8.08	-0.00966	PASS			
		50	-10.96	-0.0131	PASS			
		HCH	VN	-30	-11.46	-0.01351	PASS	
				-20	-18.44	-0.02174	PASS	
				-10	9.53	0.01123	PASS	
				0	-34.22	-0.04034	PASS	
				10	3.22	0.0038	PASS	
				20	28.52	0.03362	PASS	
				30	4.26	0.00502	PASS	
		40	10.11	0.01192	PASS			
		50	9.41	0.01109	PASS			
		3	LCH	VN	-30	3.45	0.00418	PASS
-20	1.77				0.00214	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	4.79	0.0058	PASS		
					0	4.79	0.0058	PASS		
					10	-3.82	-0.00463	PASS		
					20	-0.90	-0.00109	PASS		
					30	1.75	0.00212	PASS		
					40	2.46	0.00298	PASS		
					50	0.87	0.00105	PASS		
			MCH	VN	-30	-3.68	-0.0044	PASS		
					-20	5.51	0.00659	PASS		
					-10	-3.05	-0.00365	PASS		
					0	-0.17	-0.0002	PASS		
					10	0.31	0.00037	PASS		
					20	-2.13	-0.00255	PASS		
					30	0.13	0.00016	PASS		
			HCH	VN	-30	2.63	0.0031	PASS		
					-20	3.30	0.00389	PASS		
					-10	0.39	0.00046	PASS		
					0	4.03	0.00476	PASS		
					10	-3.55	-0.00419	PASS		
					20	-1.17	-0.00138	PASS		
		30			-2.07	-0.00244	PASS			
		5	LCH	VN	40	0.26	0.00031	PASS		
					50	2.57	0.00303	PASS		
					-30	2.89	0.0035	PASS		
					-20	0.76	0.00092	PASS		
					-10	-1.02	-0.00123	PASS		
					0	0.64	0.00077	PASS		
					10	1.57	0.0019	PASS		
			MCH	VN	20	1.03	0.00125	PASS		
					30	3.08	0.00373	PASS		
					40	-0.10	-0.00012	PASS		
							50	-0.10	-0.00012	PASS
							-30	-10.04	-0.012	PASS
							-20	-2.69	-0.00322	PASS
							-10	-3.26	-0.0039	PASS
							0	-5.59	-0.00668	PASS
		10	-2.56	-0.00306	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	2.70	0.00323	PASS		
					30	10.64	0.01272	PASS		
					40	2.75	0.00329	PASS		
					50	14.93	0.01785	PASS		
			HCH	VN	-30	0.90	0.00106	PASS		
					-20	-0.01	-0.00001	PASS		
					-10	1.19	0.00141	PASS		
					0	-0.31	-0.00037	PASS		
					10	-1.50	-0.00177	PASS		
					20	-1.46	-0.00172	PASS		
					30	-1.40	-0.00165	PASS		
					40	-0.23	-0.00027	PASS		
					50	0.51	0.0006	PASS		
					LCH	VN	-30	3.09	0.00373	PASS
							-20	2.12	0.00256	PASS
							-10	1.47	0.00177	PASS
			0	2.25			0.00271	PASS		
			10	0.79			0.00095	PASS		
			20	-0.83			-0.001	PASS		
			30	-1.06			-0.00128	PASS		
		40	-0.92	-0.00111			PASS			
		MCH	VN	-30	4.02	0.00481	PASS			
				-20	4.25	0.00508	PASS			
				-10	1.62	0.00194	PASS			
				0	6.95	0.00831	PASS			
				10	-1.63	-0.00195	PASS			
				20	1.12	0.00134	PASS			
				30	-4.21	-0.00503	PASS			
				40	-1.37	-0.00164	PASS			
		HCH	VN	-30	12.09	0.01432	PASS			
				-20	-0.87	-0.00103	PASS			
				-10	-2.36	-0.0028	PASS			
				0	-1.72	-0.00204	PASS			
				10	-1.99	-0.00236	PASS			
				20	0.17	0.0002	PASS			
				30	-1.57	-0.00186	PASS			
				40	-1.32	-0.00156	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	50	-2.23	-0.00264	PASS
					-30	8.64	0.01048	PASS
					-20	6.19	0.00751	PASS
					-10	2.06	0.0025	PASS
					0	-0.13	-0.00016	PASS
					10	0.69	0.00084	PASS
					20	1.06	0.00129	PASS
					30	0.29	0.00035	PASS
					40	1.70	0.00206	PASS
			50	-1.19	-0.00144	PASS		
			MCH	VN	-30	-6.24	-0.00746	PASS
					-20	-1.47	-0.00176	PASS
					-10	15.74	0.01882	PASS
					0	-9.38	-0.01121	PASS
					10	-9.63	-0.01151	PASS
					20	-13.52	-0.01616	PASS
					30	-2.22	-0.00265	PASS
					40	-8.40	-0.01004	PASS
					50	-0.07	-0.00008	PASS
			HCH	VN	-30	11.94	0.01408	PASS
					-20	-23.05	-0.02717	PASS
					-10	-8.88	-0.01047	PASS
					0	9.20	0.01085	PASS
					10	-4.73	-0.00558	PASS
		20			12.00	0.01415	PASS	
		30			-1.40	-0.00165	PASS	
		40			8.47	0.00998	PASS	
		50			-7.84	-0.00924	PASS	
		3	LCH	VN	-30	3.72	0.00451	PASS
					-20	2.93	0.00355	PASS
					-10	1.20	0.00145	PASS
					0	-1.26	-0.00153	PASS
					10	-0.40	-0.00048	PASS
					20	2.90	0.00351	PASS
					30	0.64	0.00078	PASS
					40	2.49	0.00302	PASS
					50	-0.59	-0.00071	PASS
			MCH	VN	-30	-2.70	-0.00323	PASS
					-20	1.36	0.00163	PASS