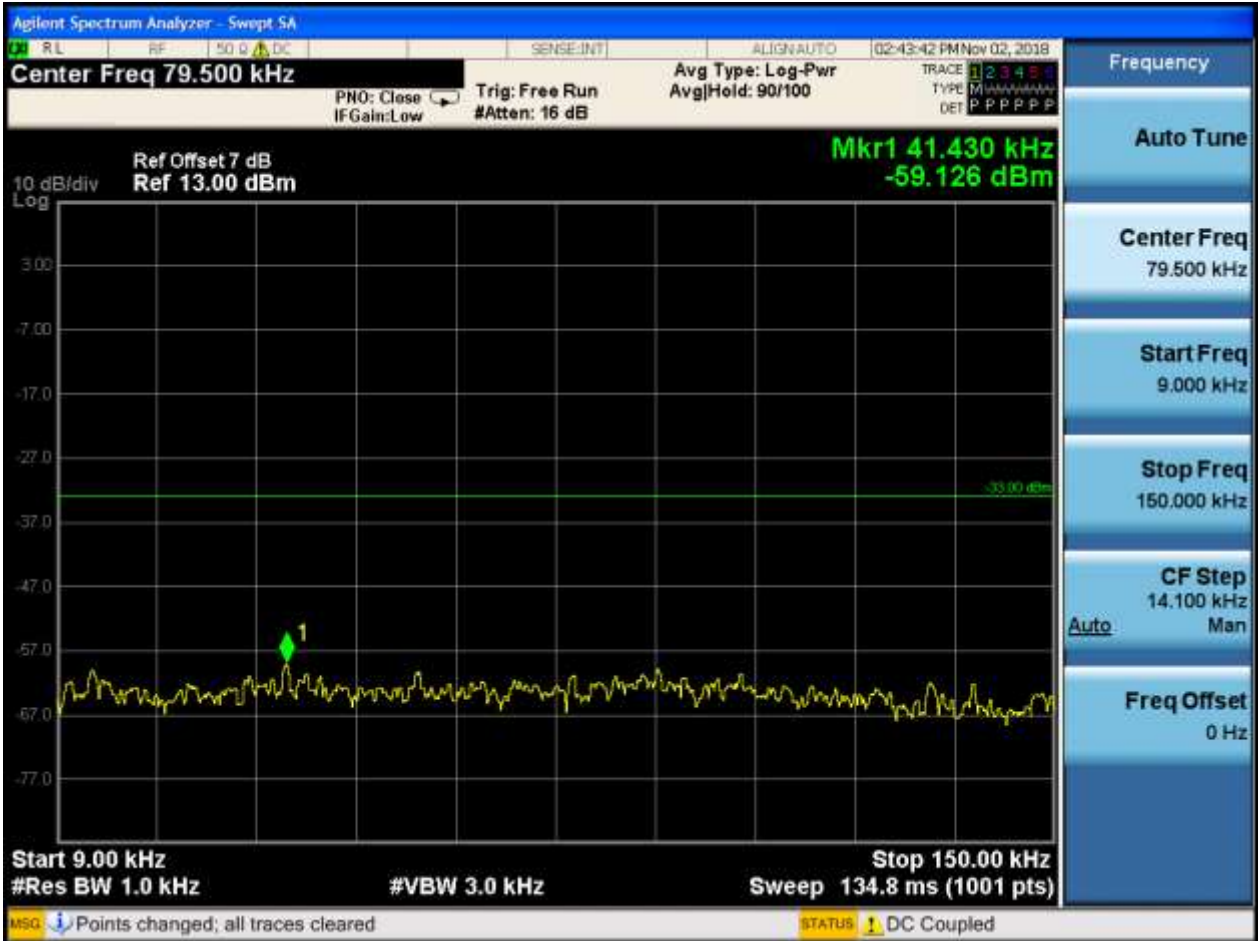
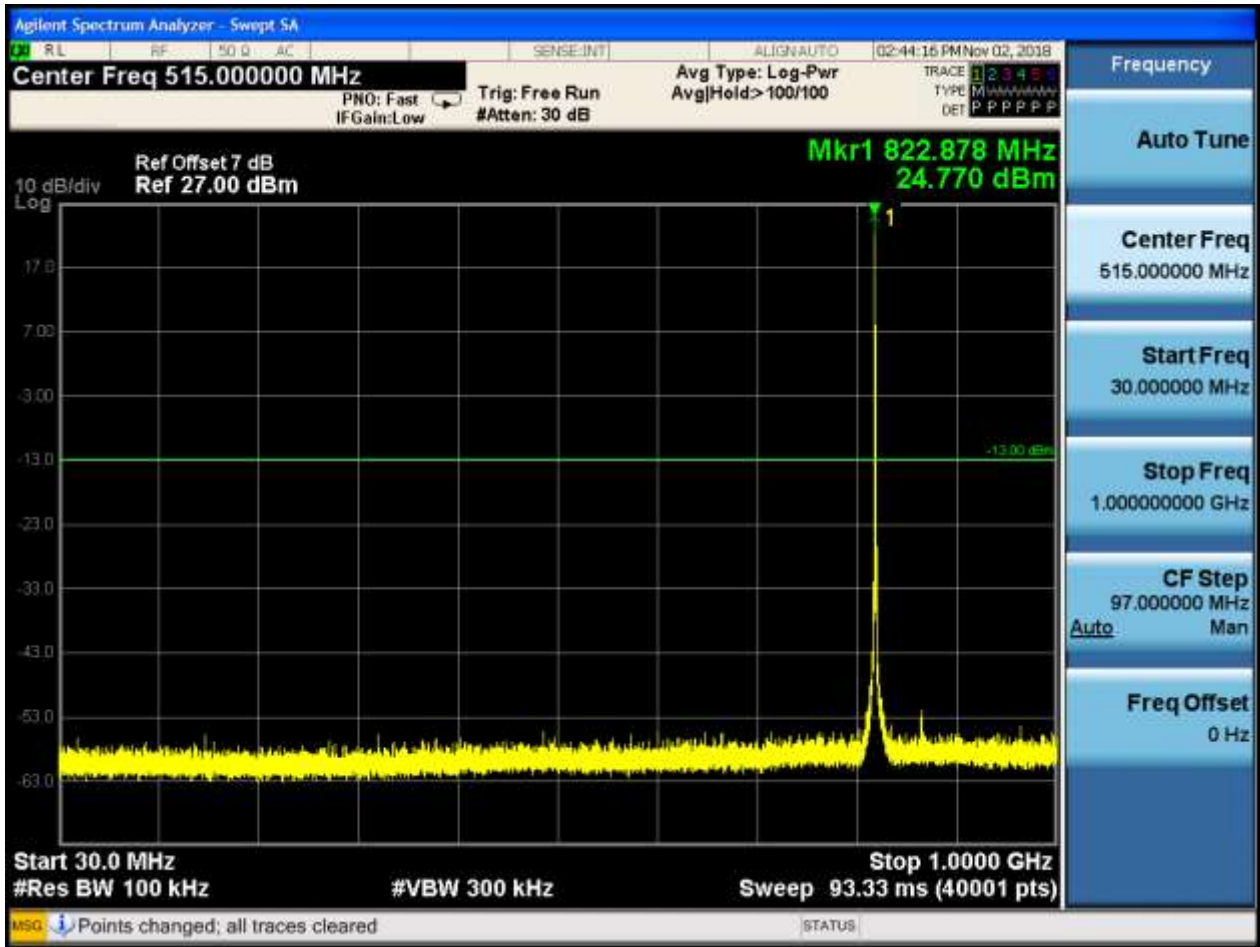


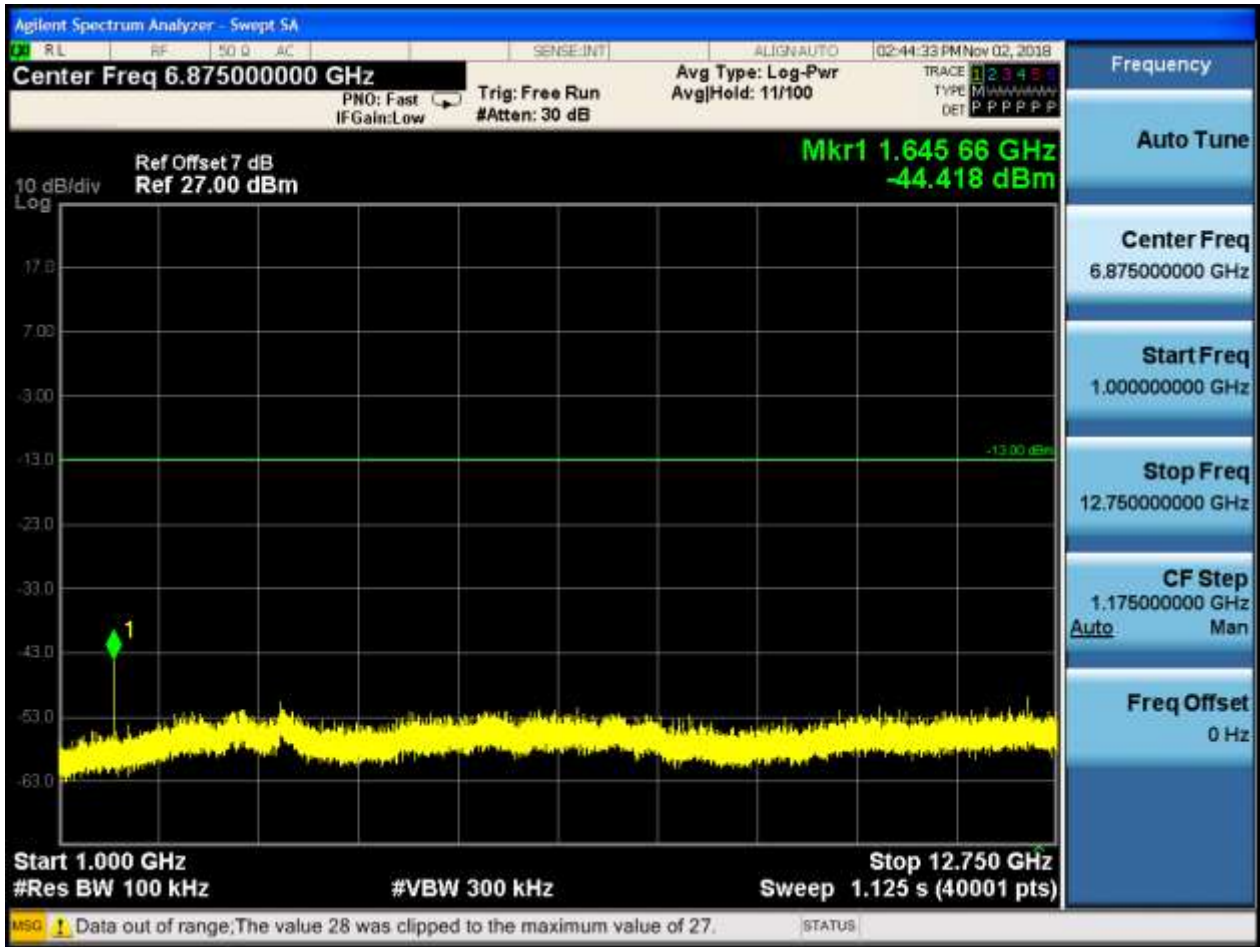
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





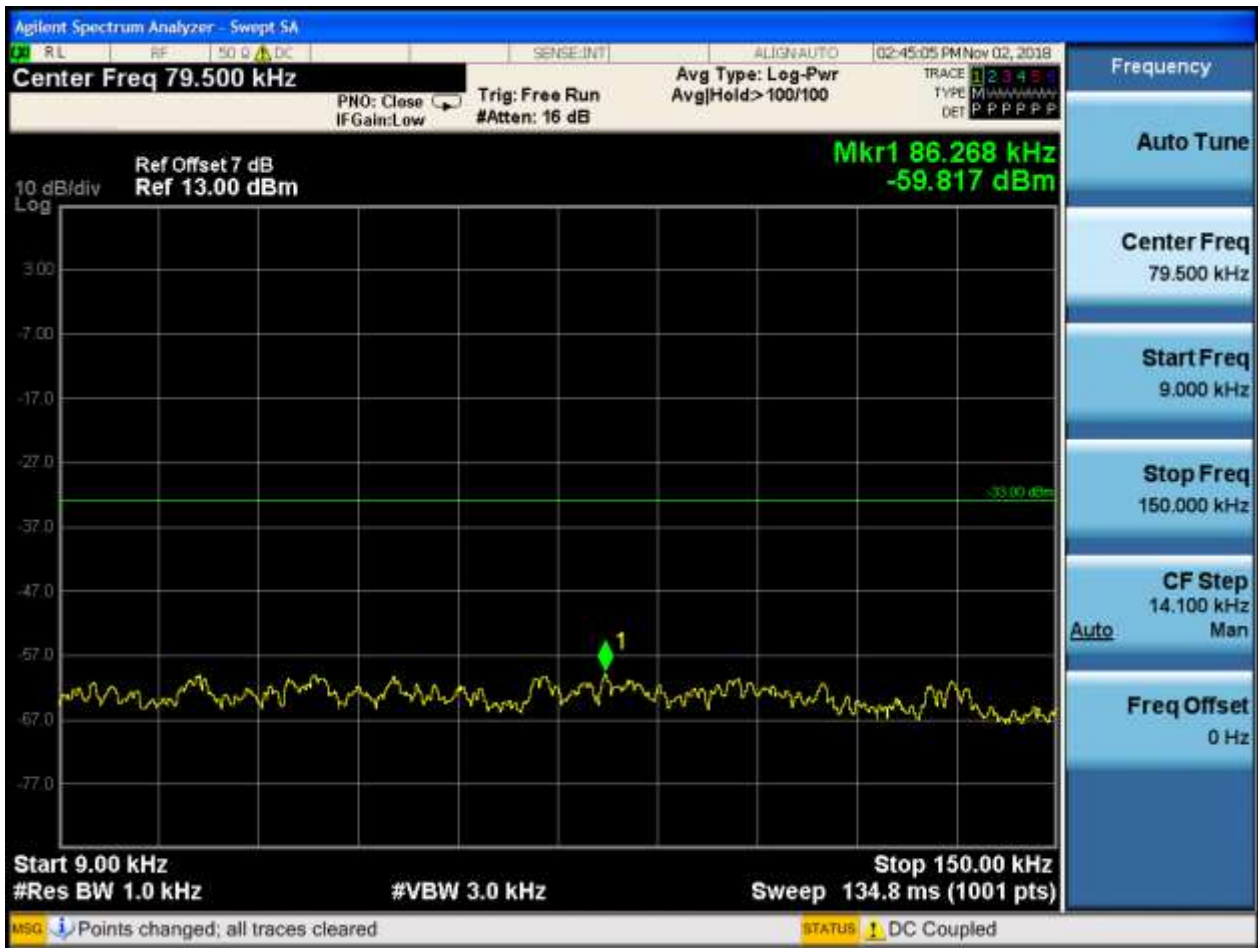




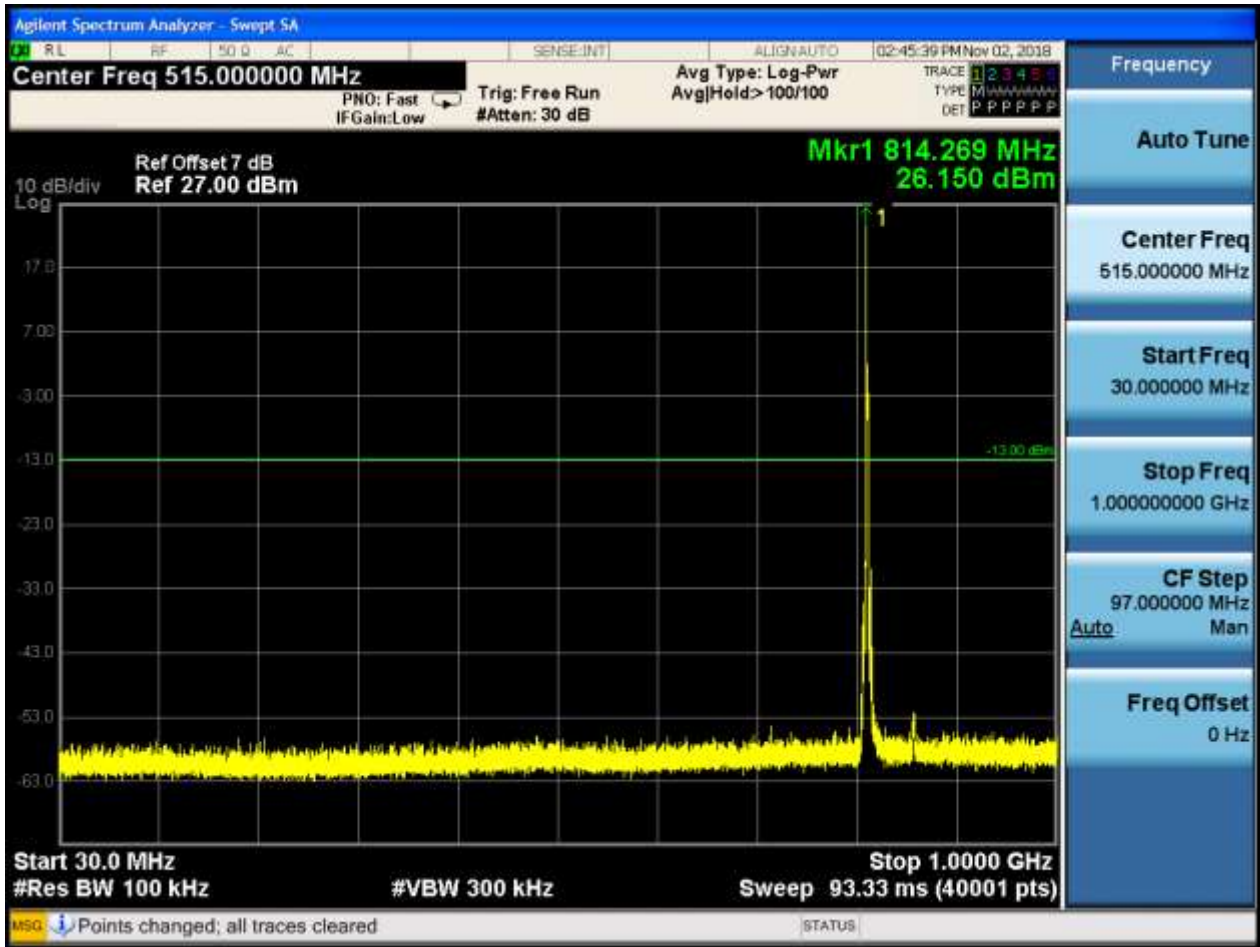
6.1.1.2.2 Test Bandwidth = 3

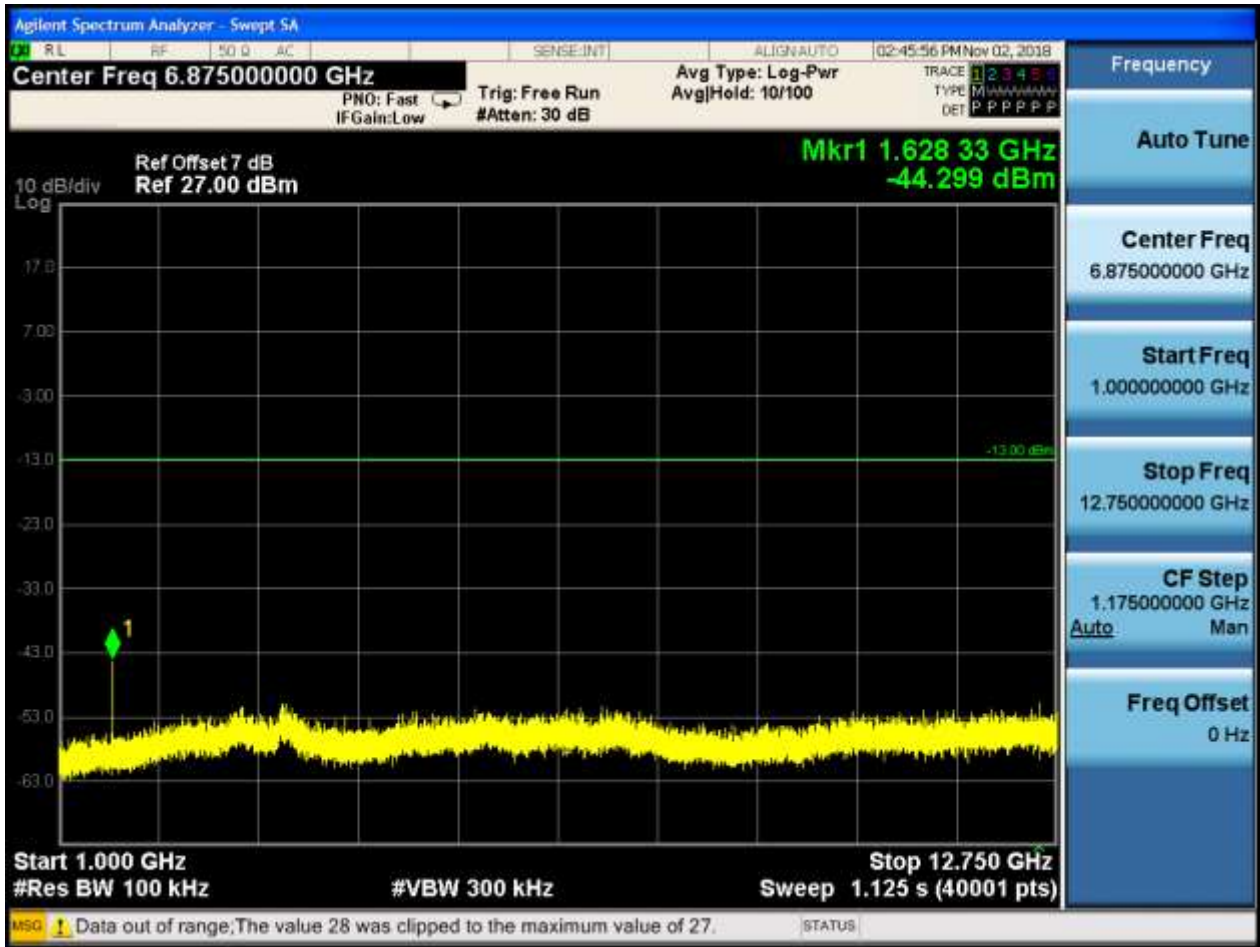
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0









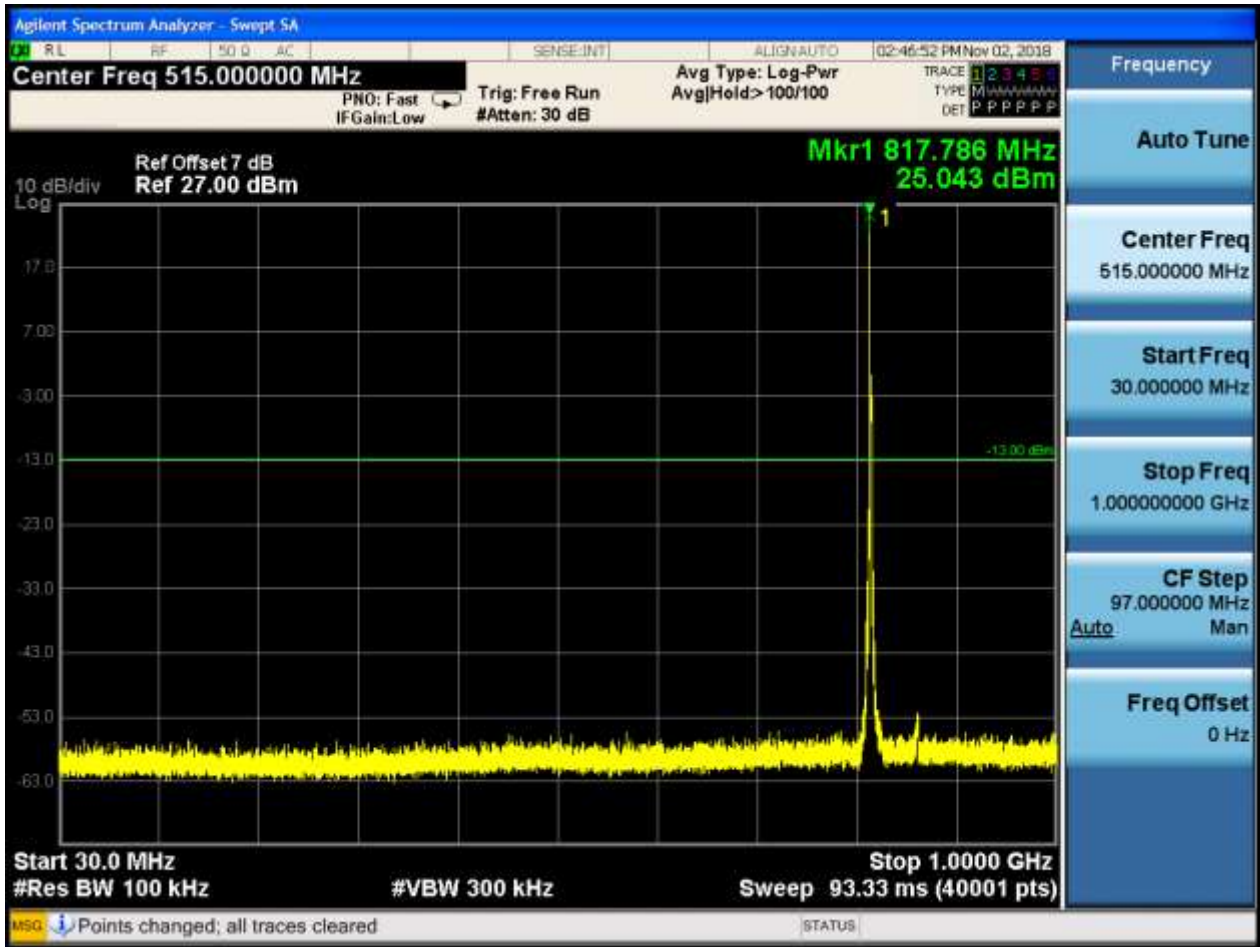


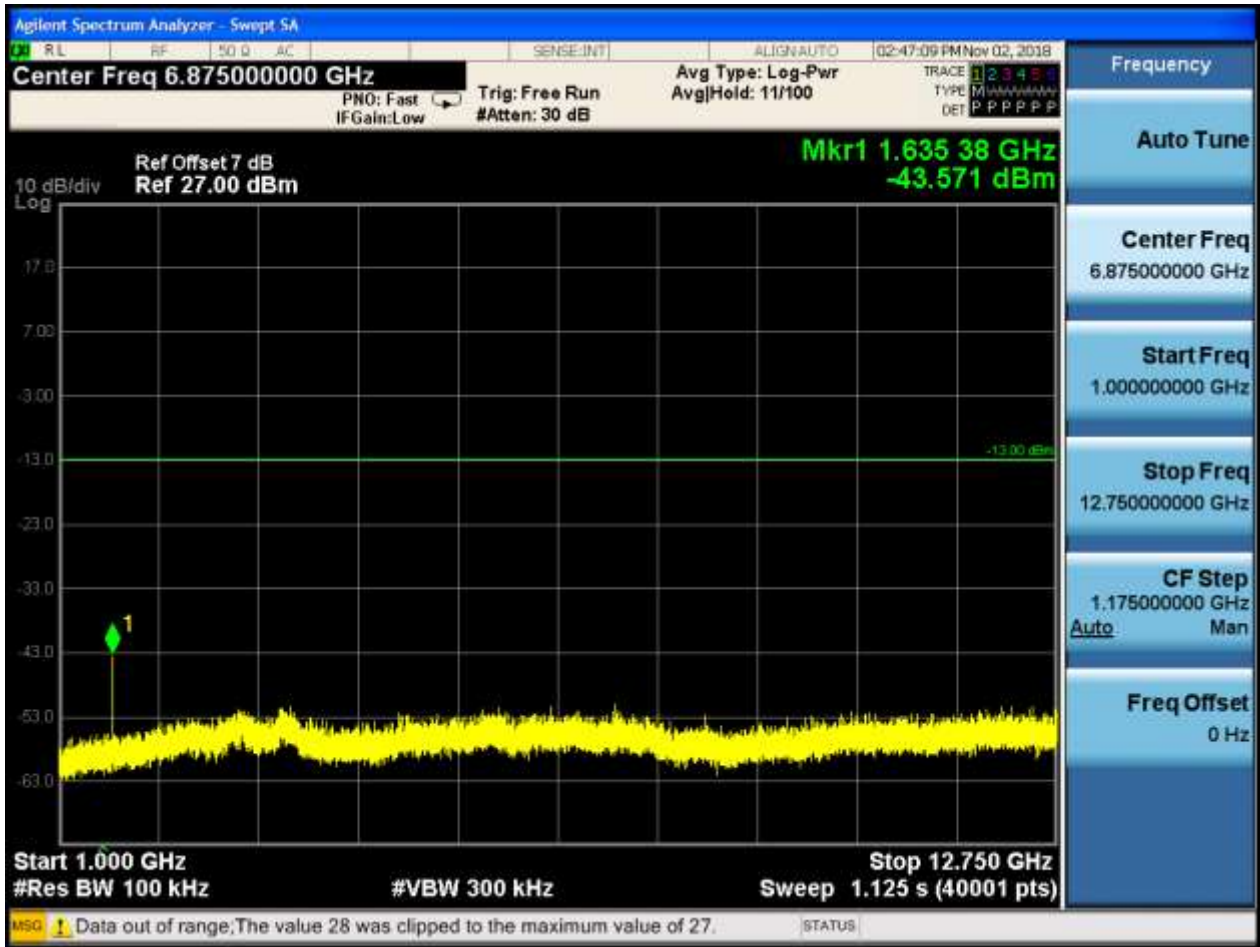
6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



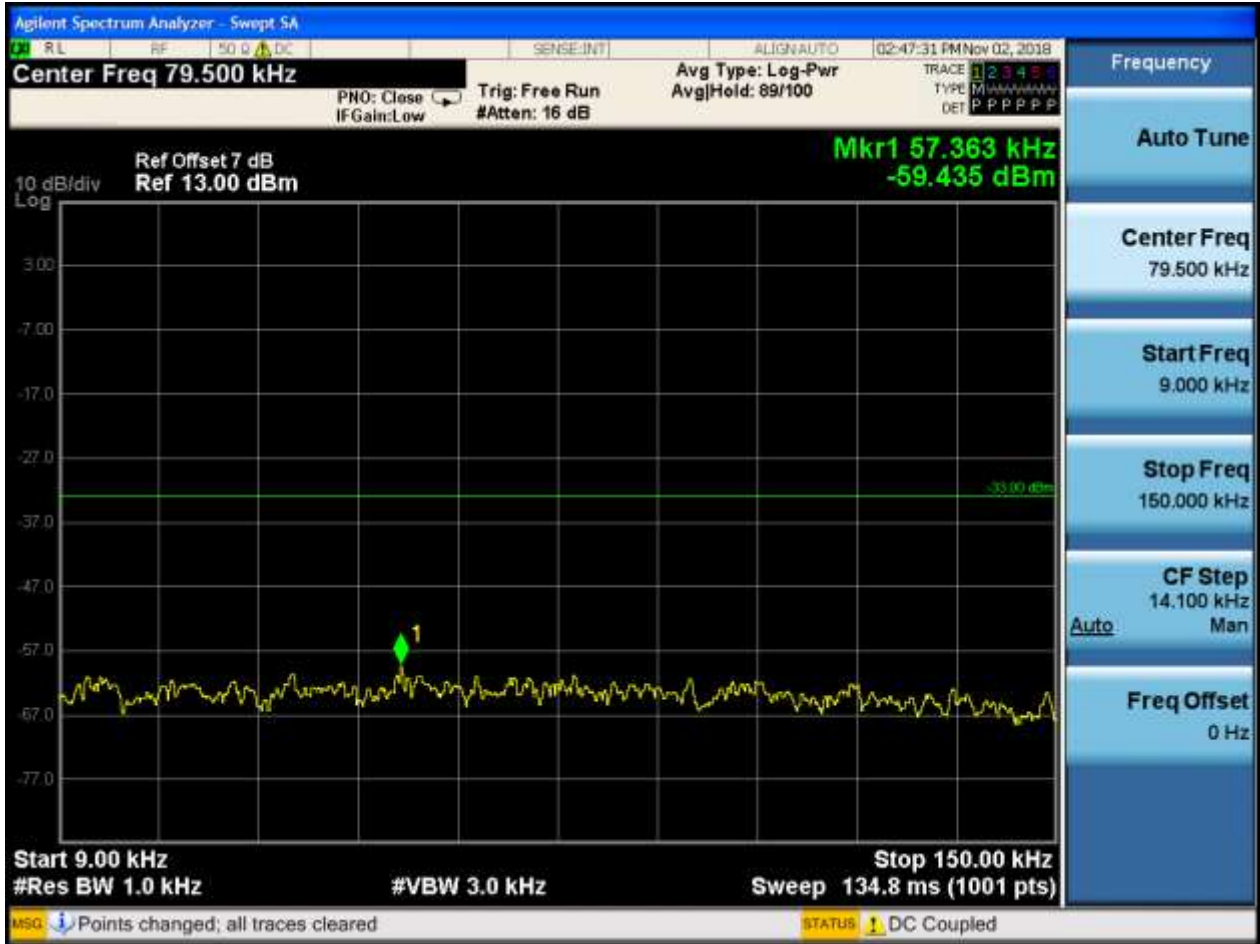




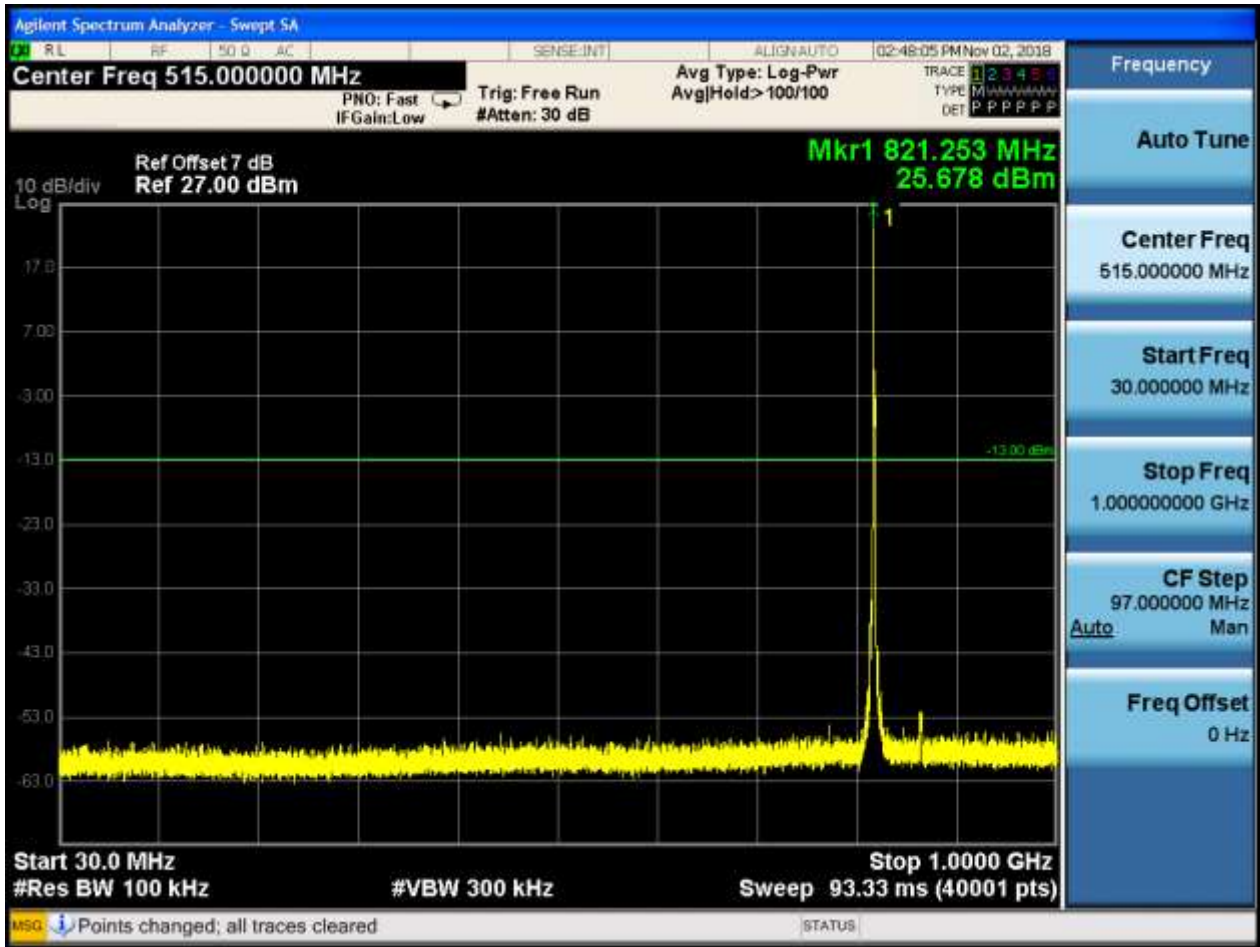


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





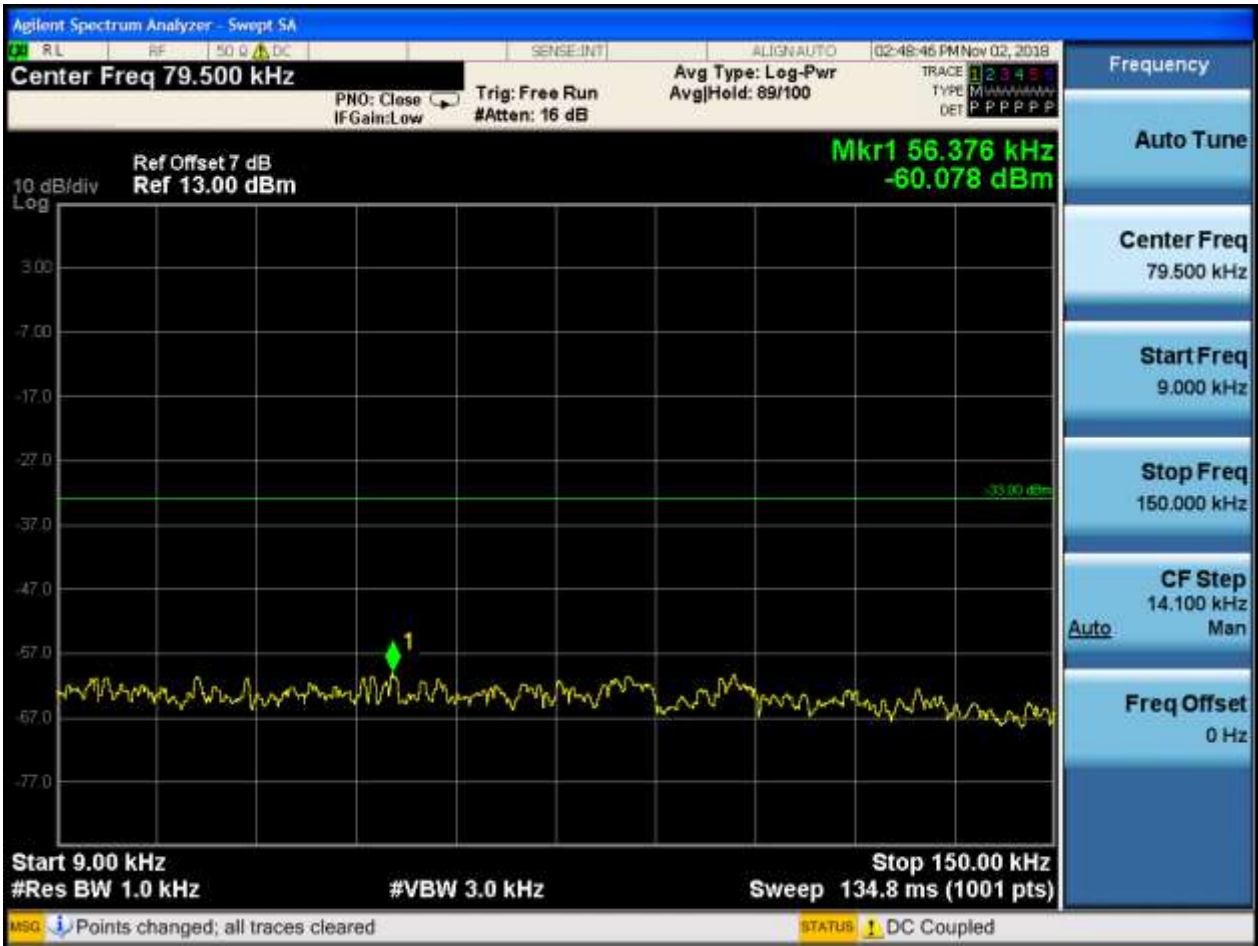




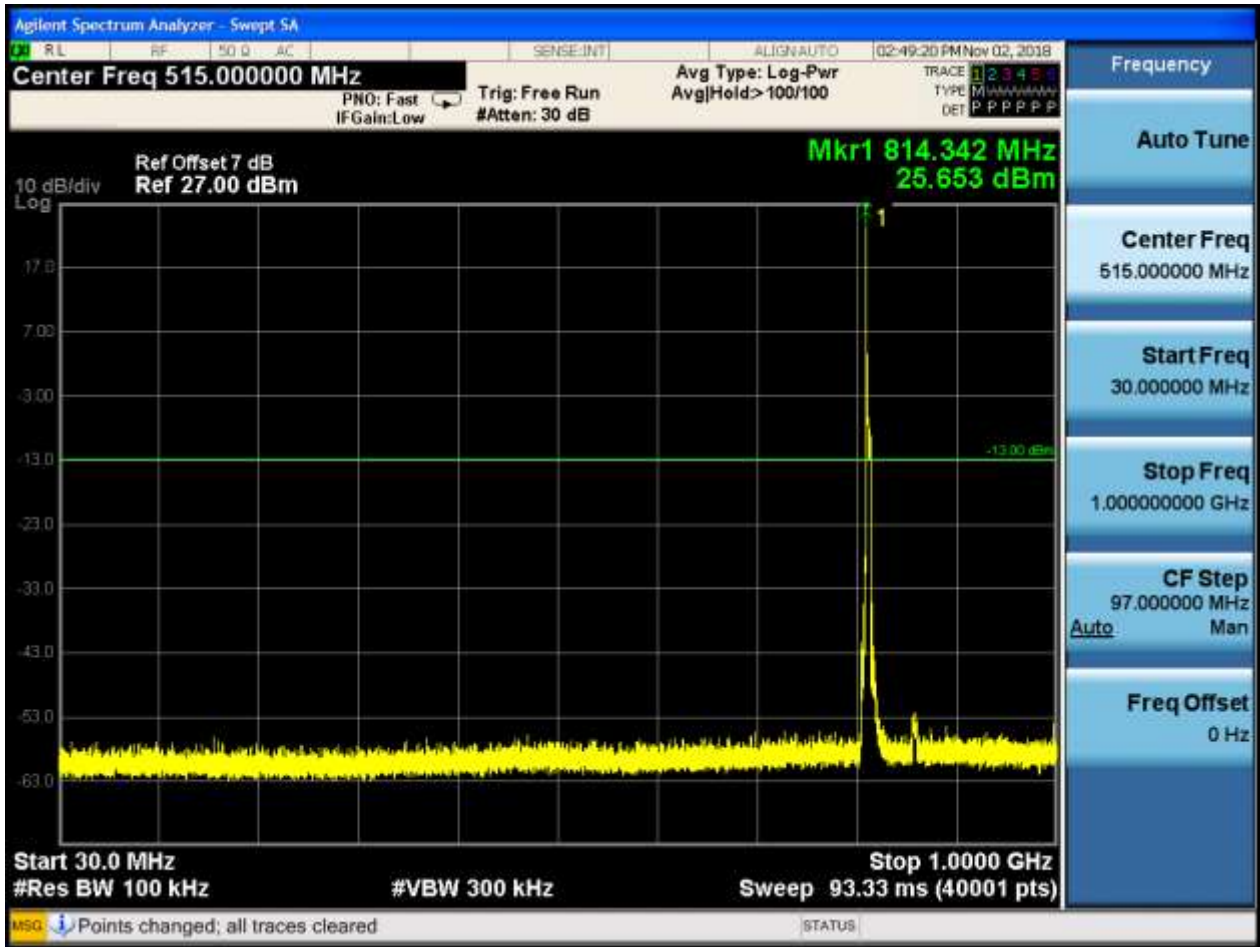
6.1.1.2.3 Test Bandwidth = 5

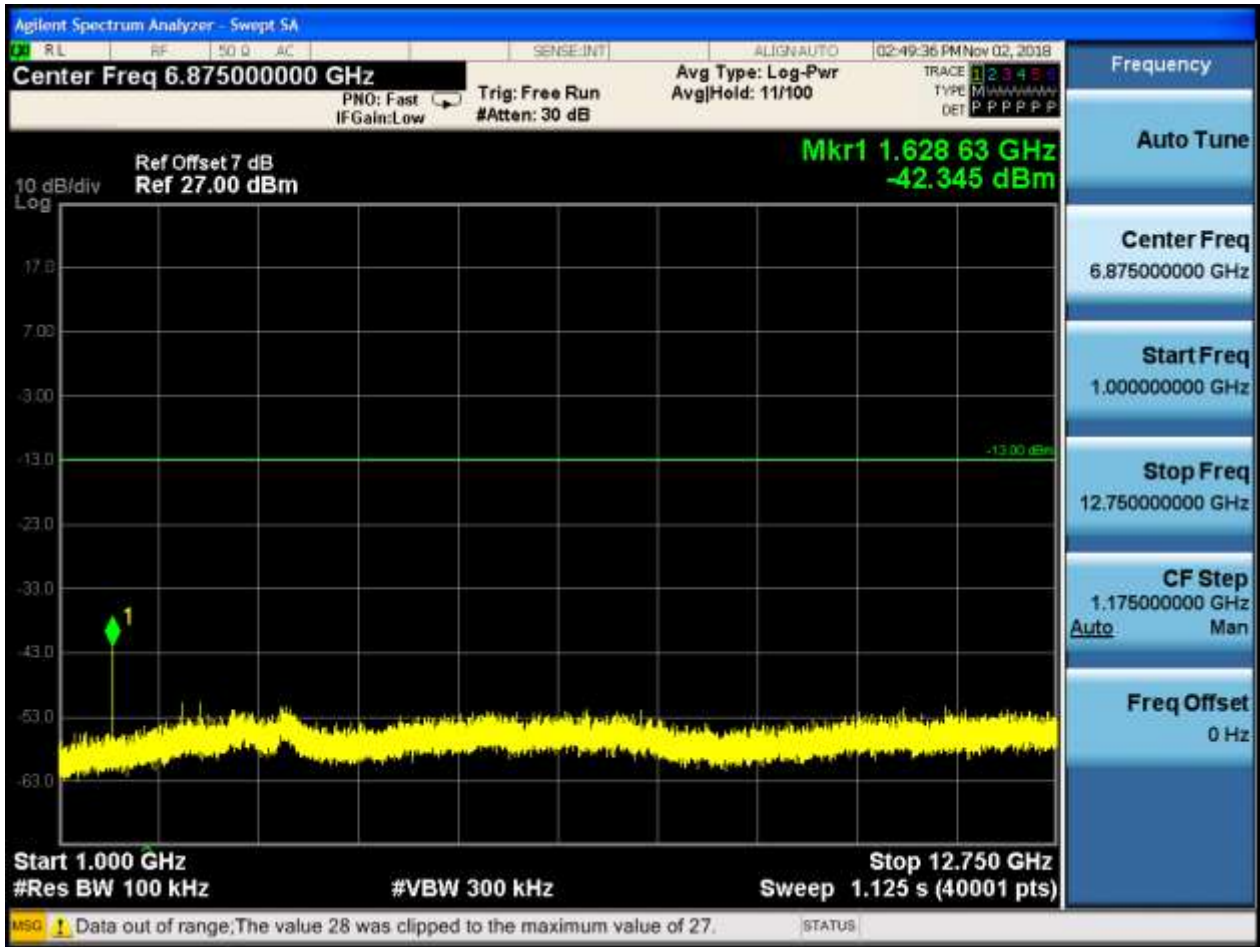
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0







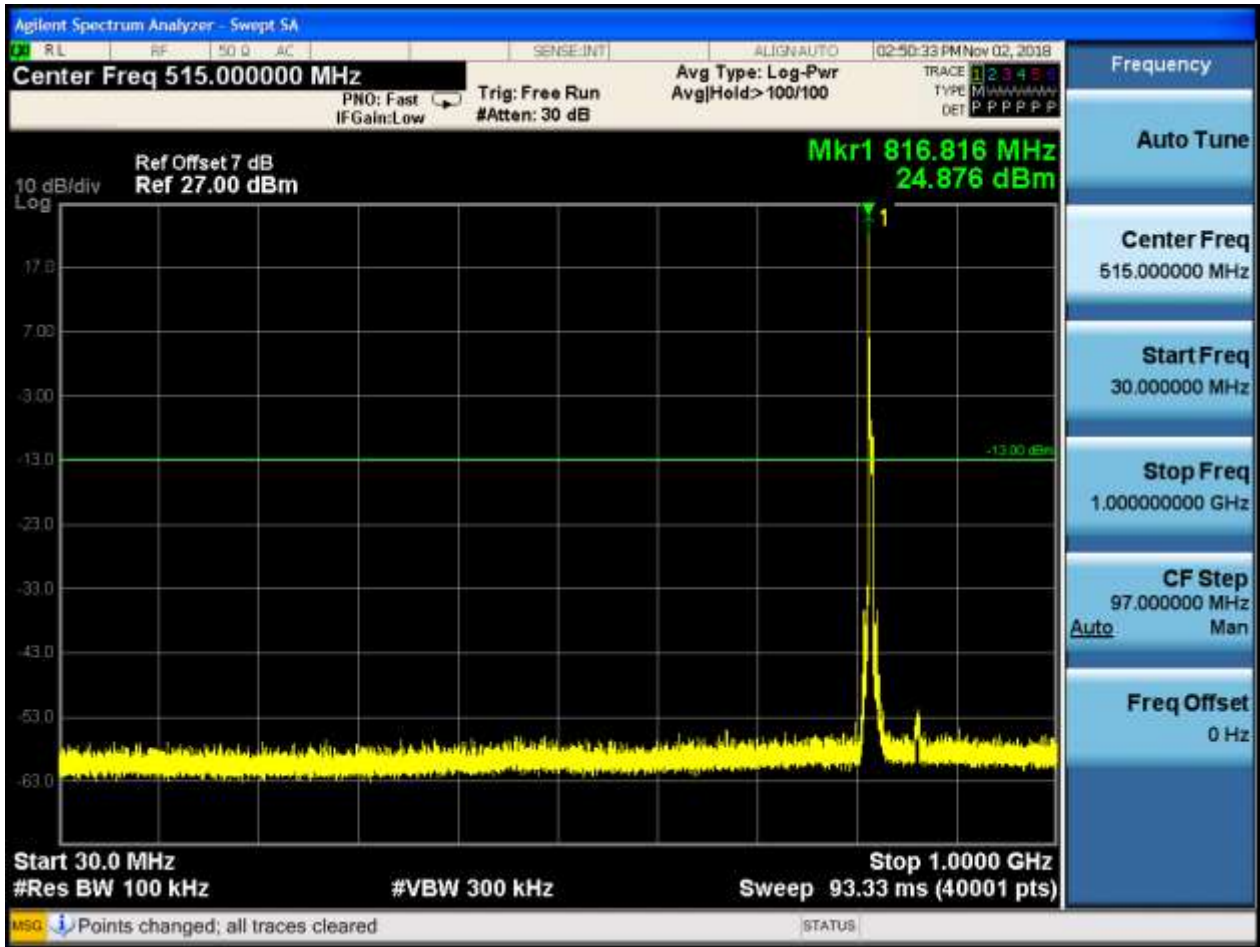


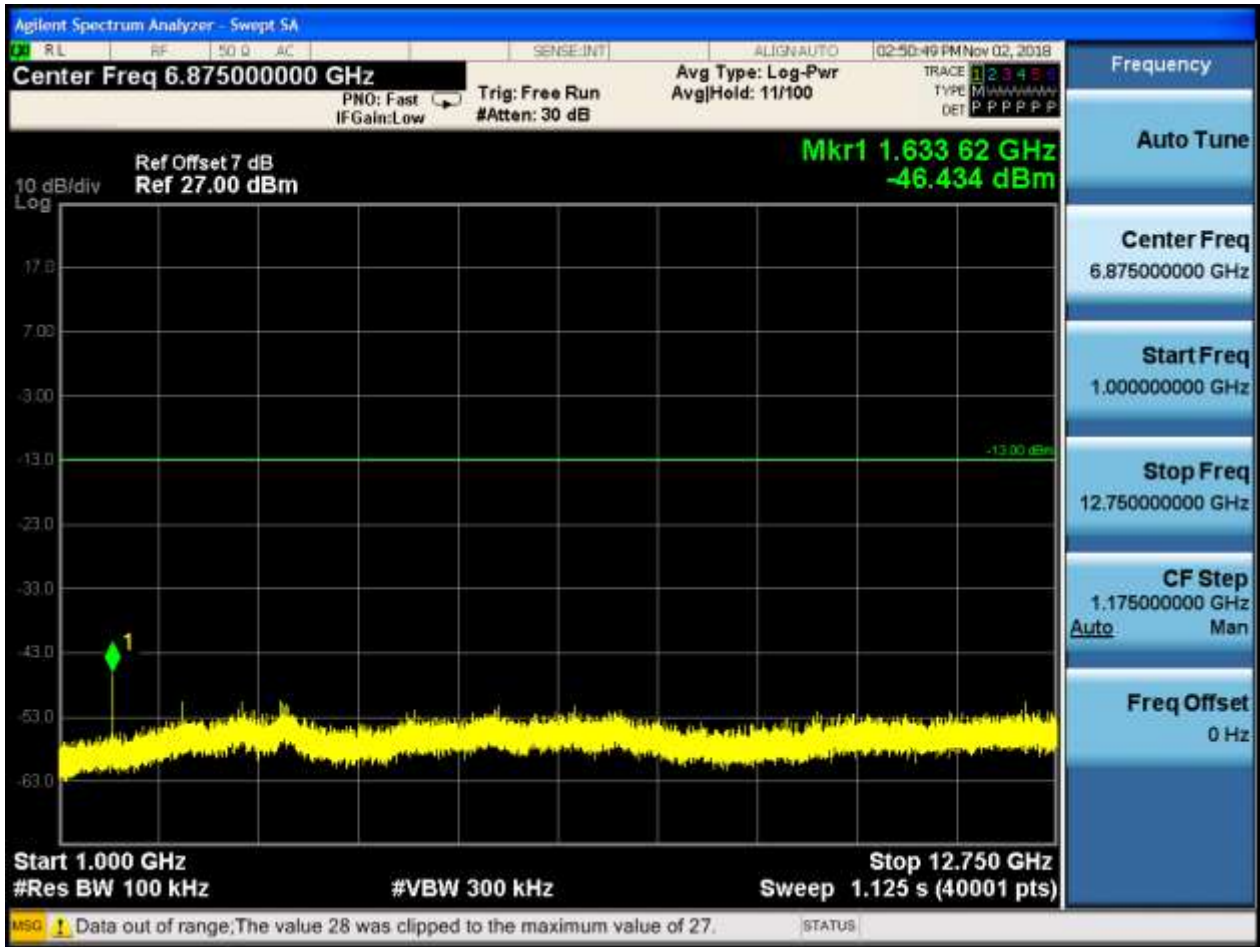
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0







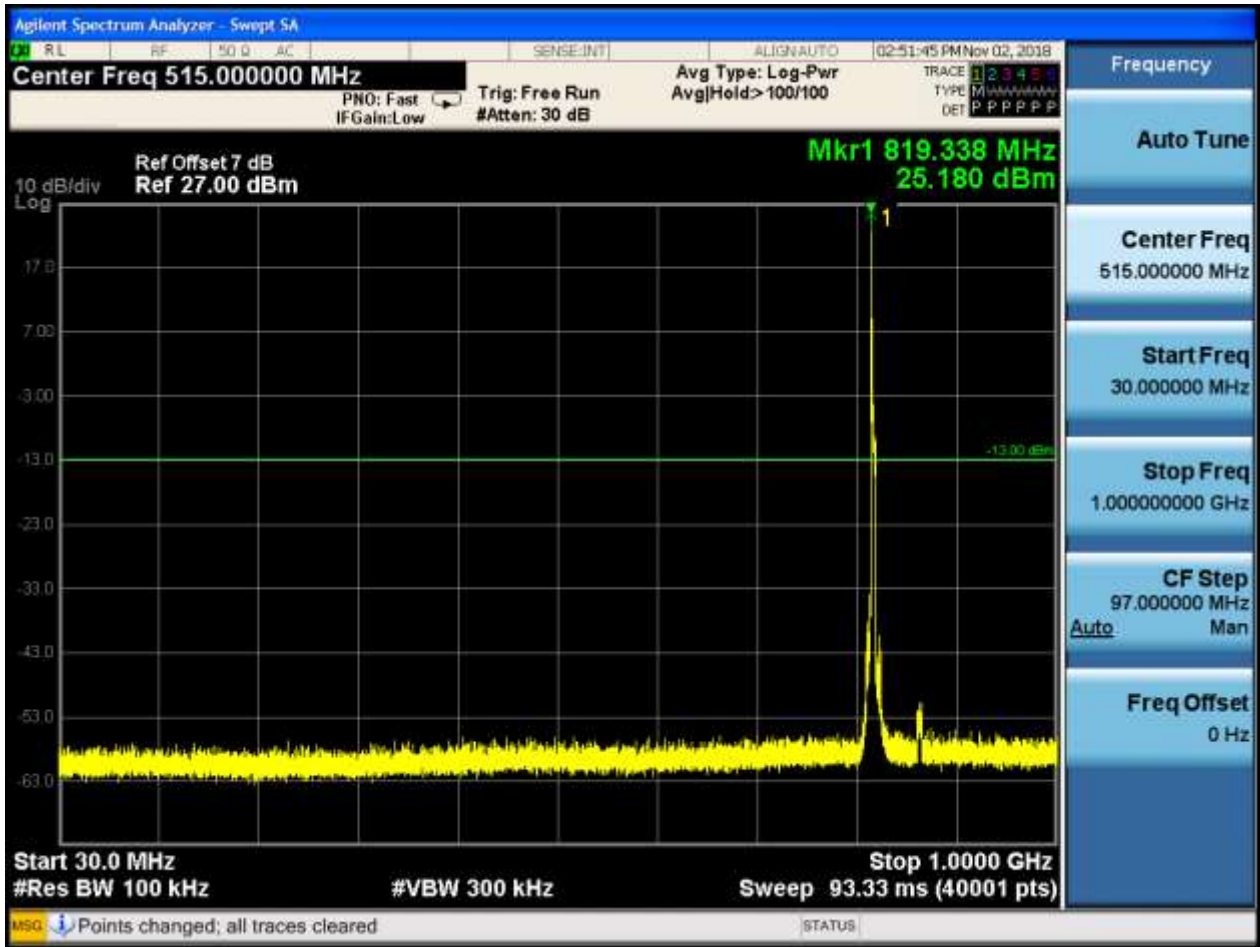


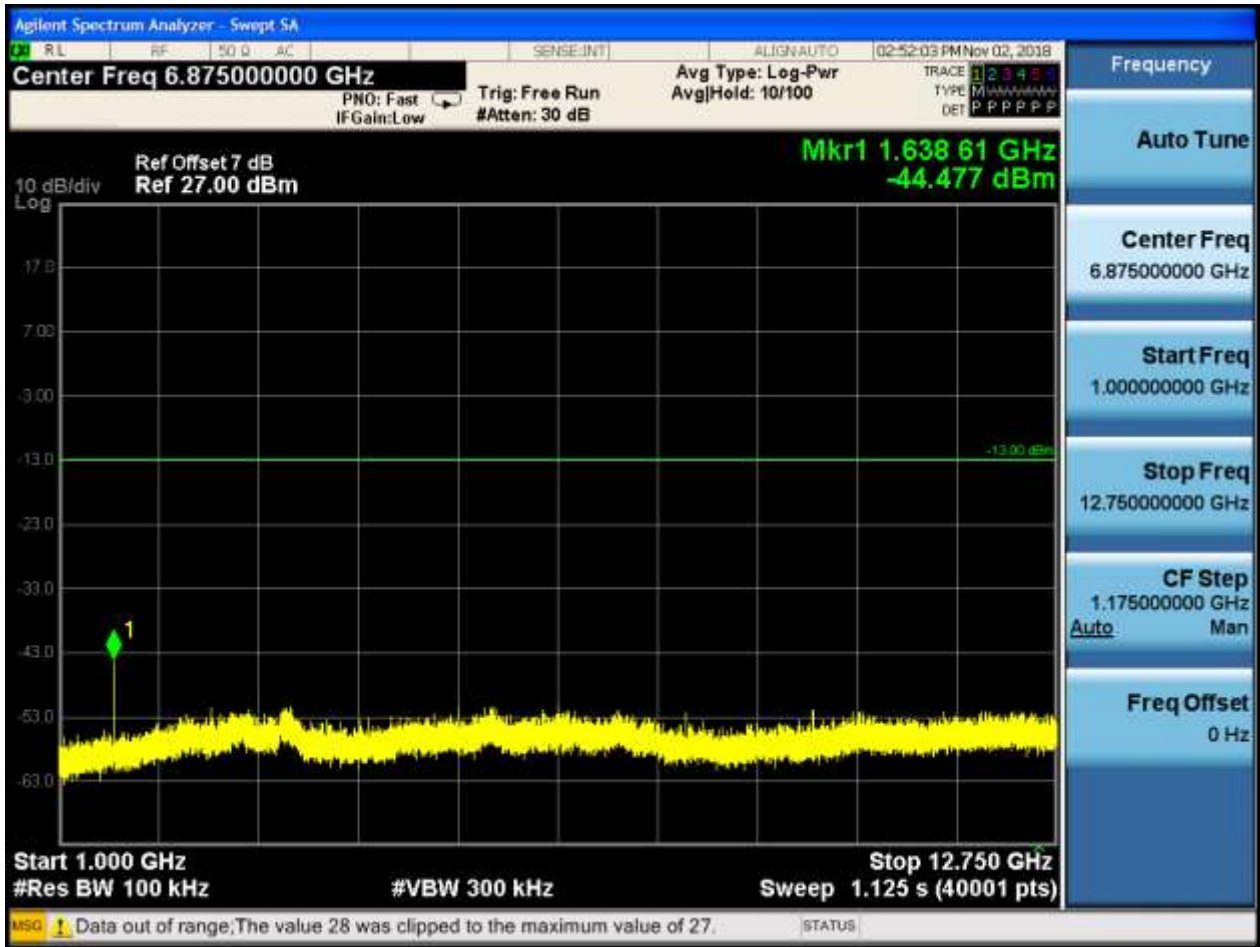
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





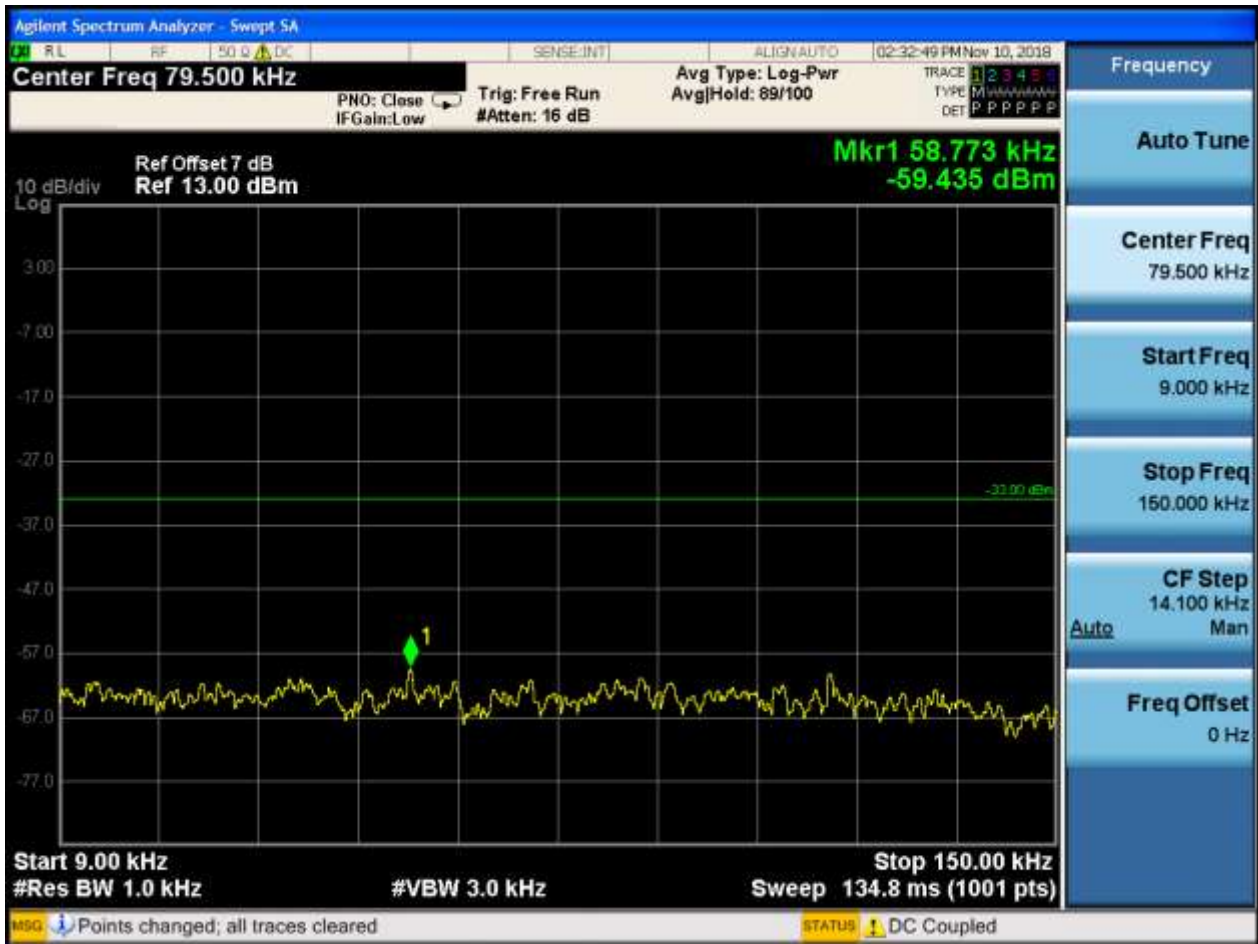




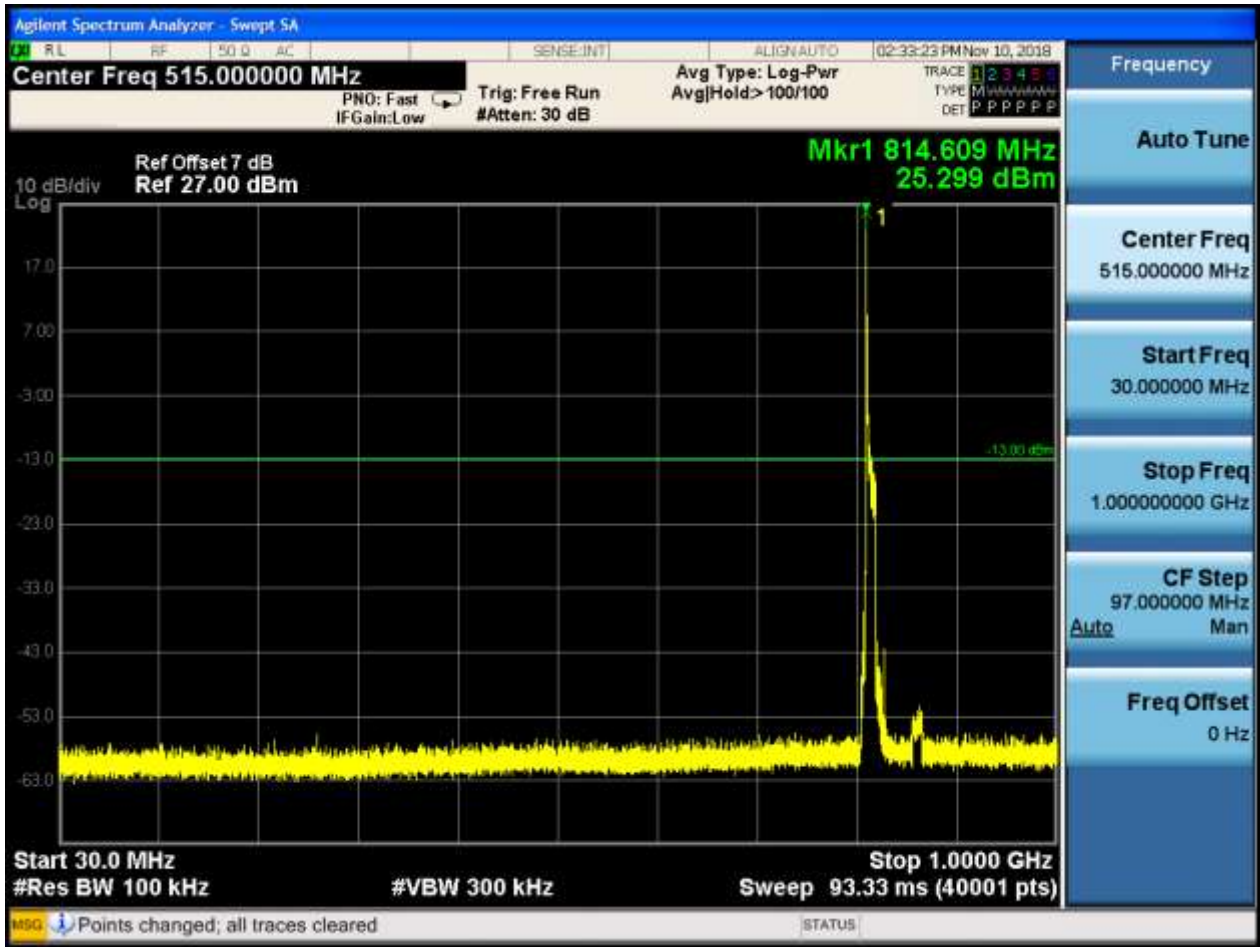
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0







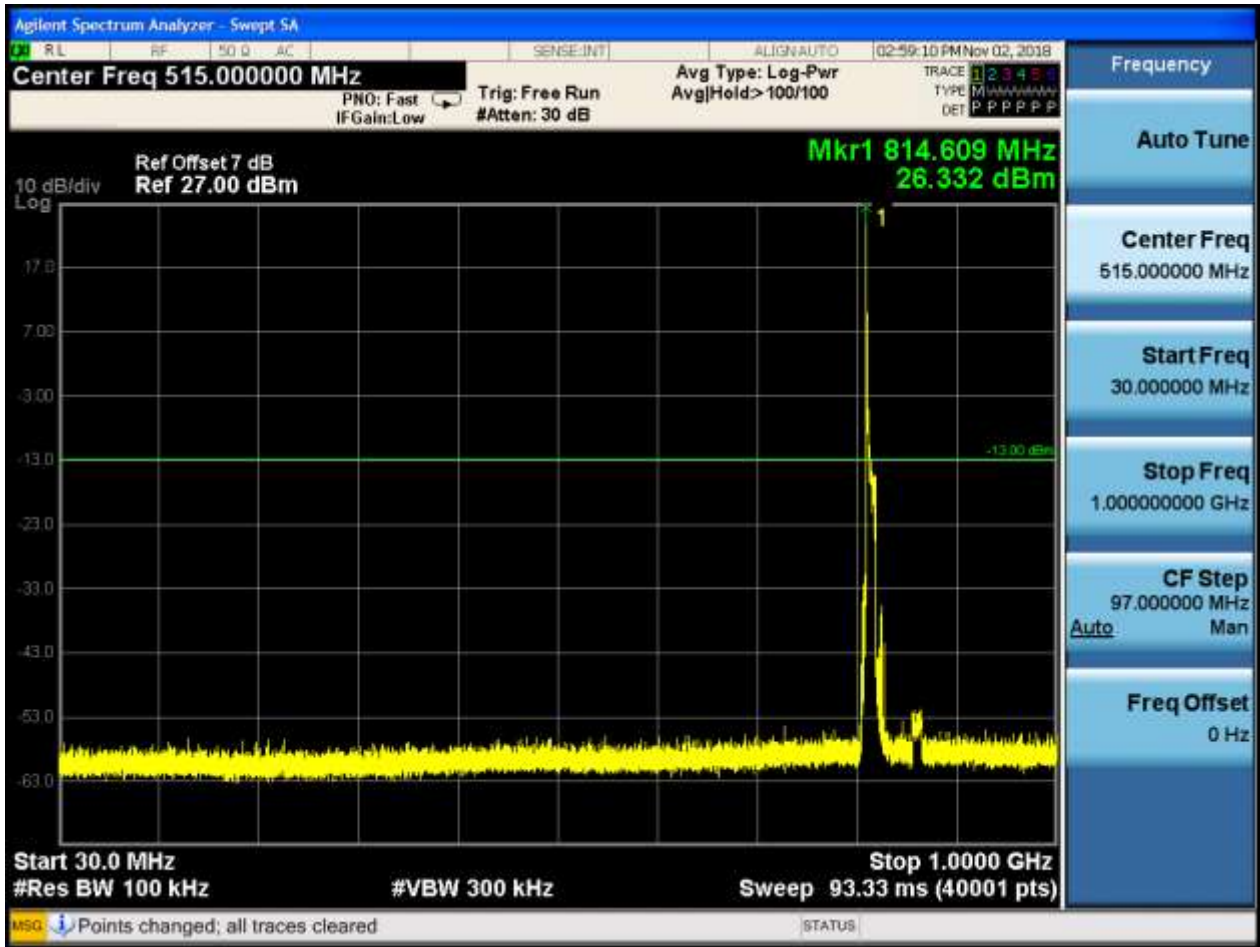


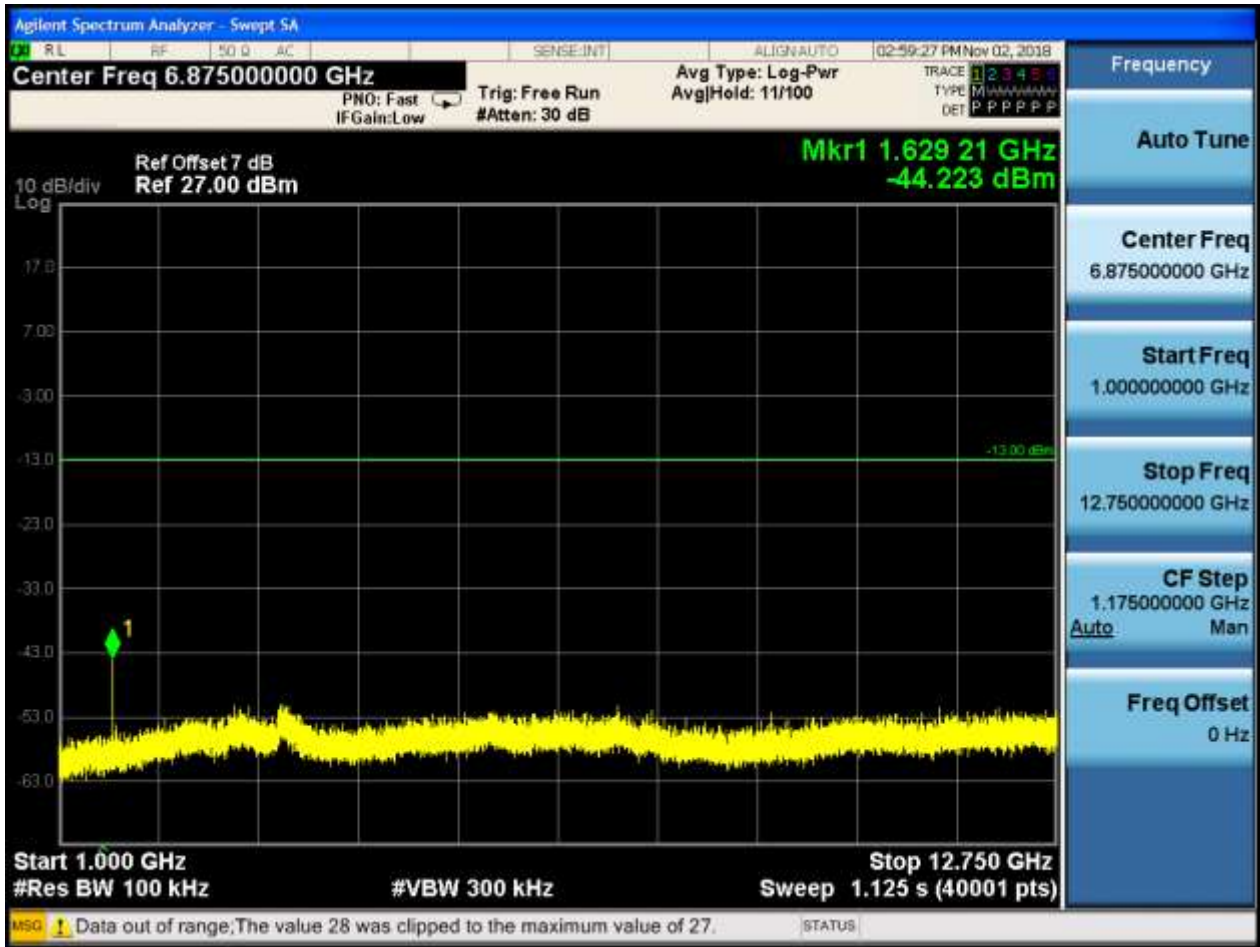
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0







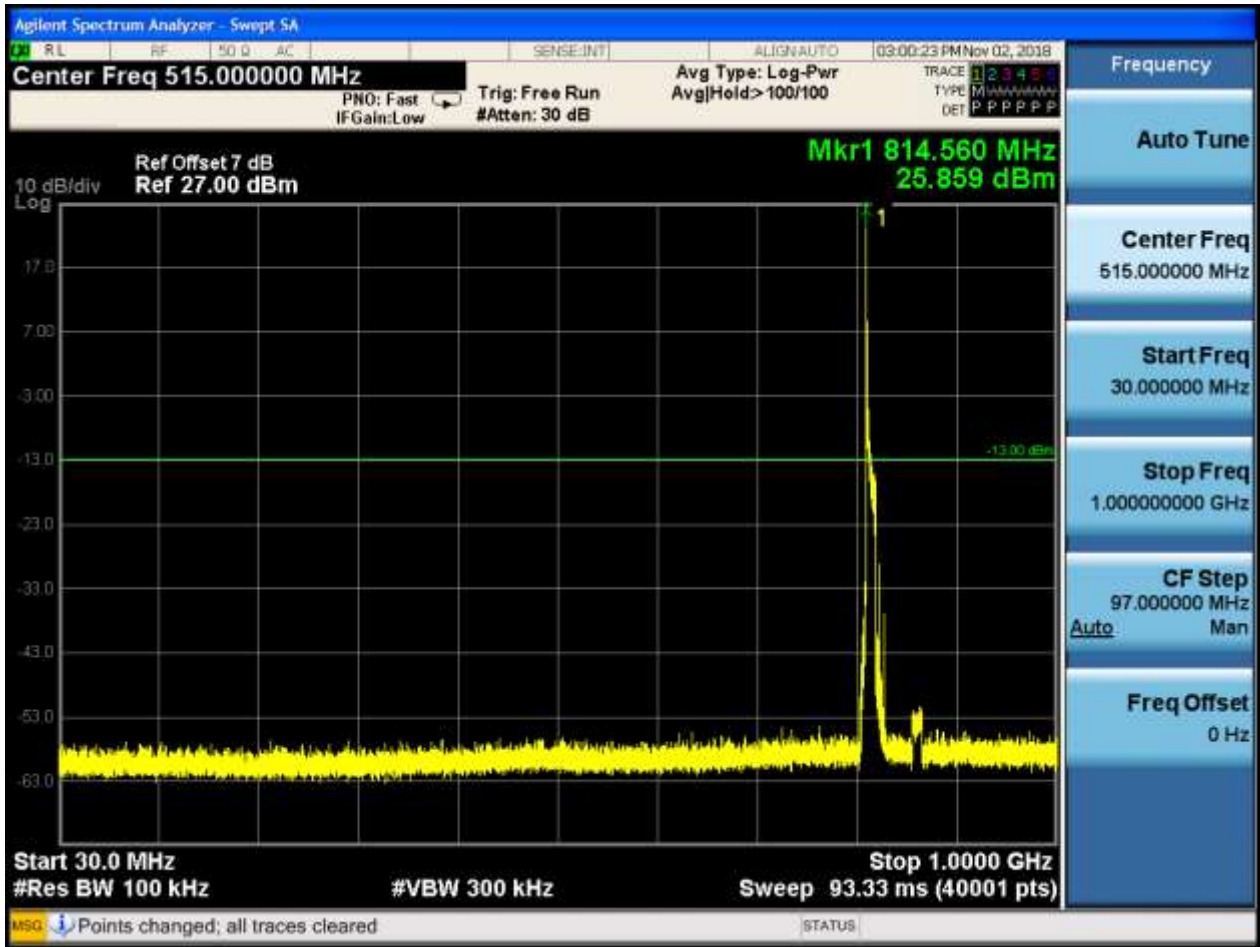


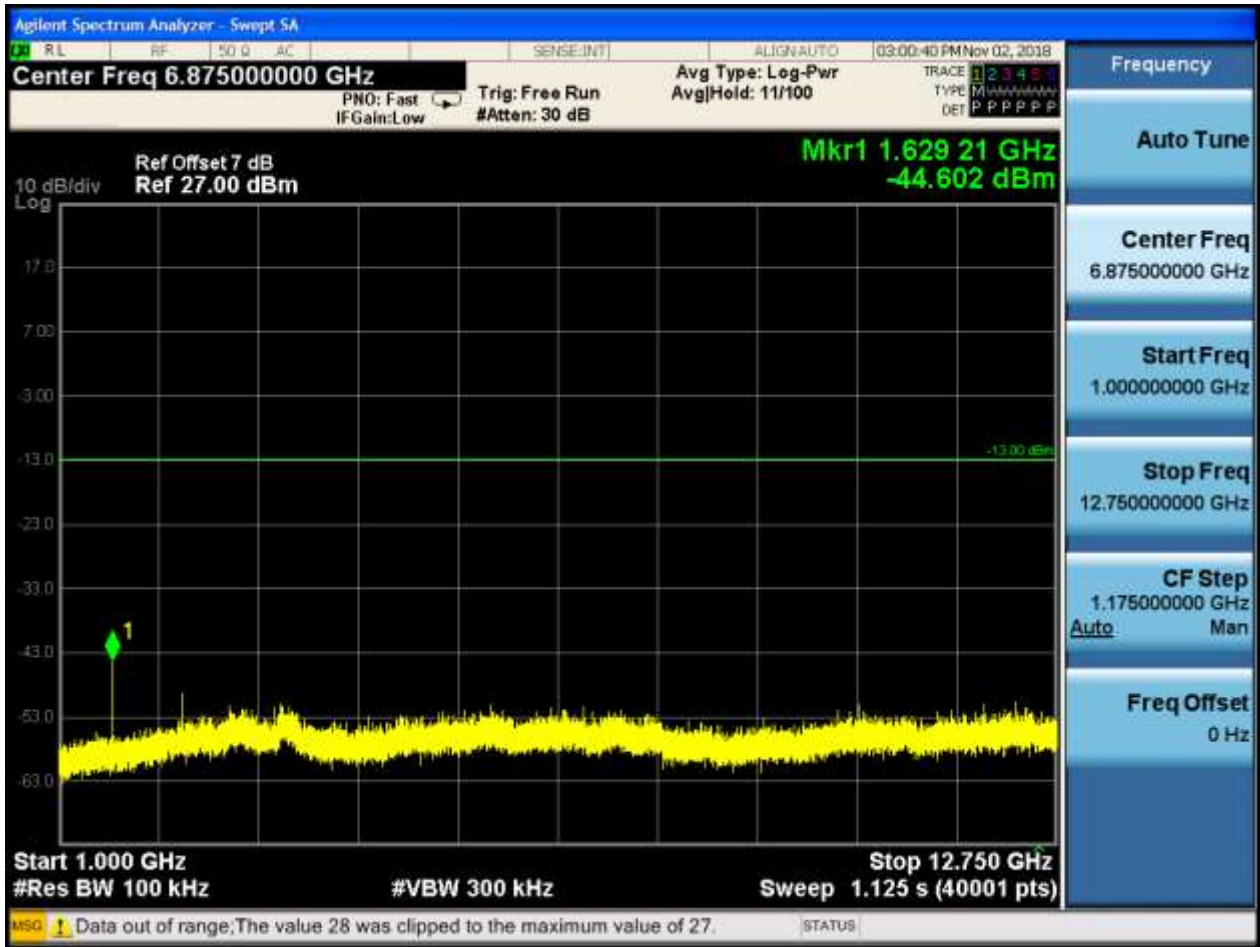
6.1.1.2.4.3 Test Channel = HCH

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

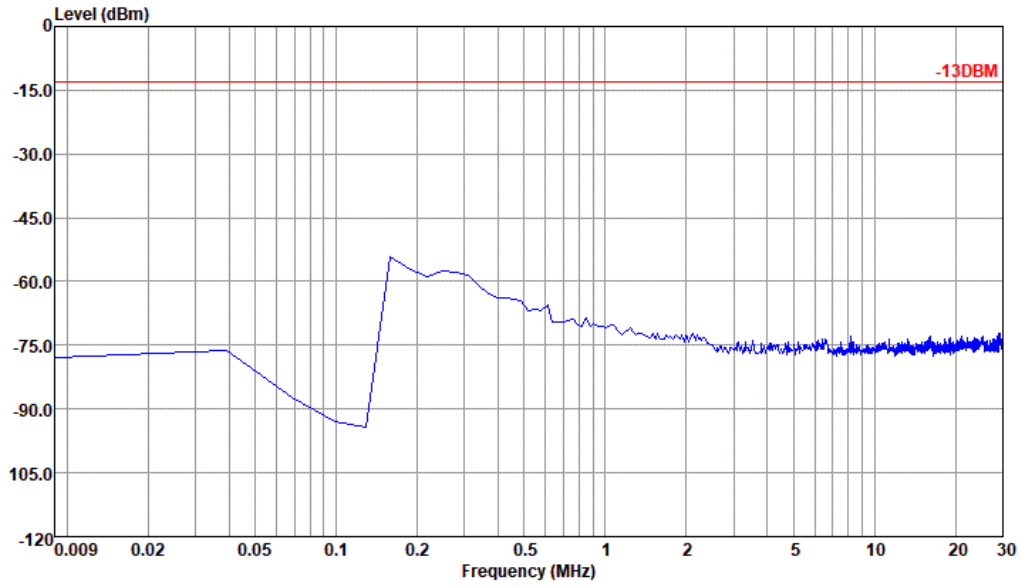
7.1 For LTE

7.1.1 Test Band = BAND26

7.1.1.1 Test Bandwidth = 1.4

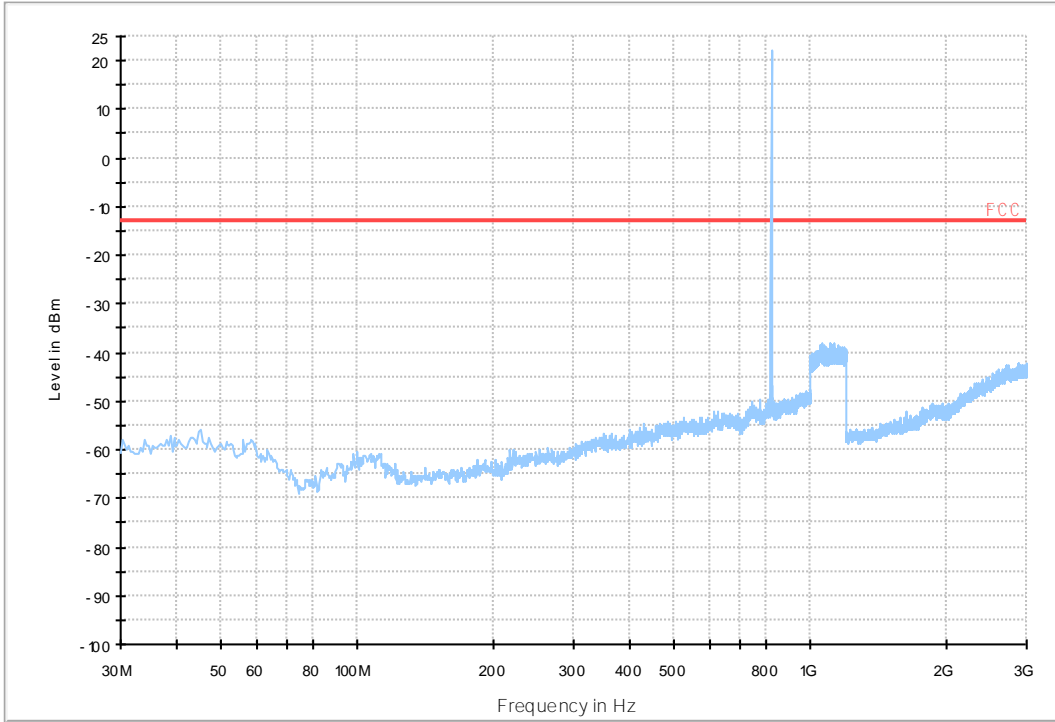


Data: 21

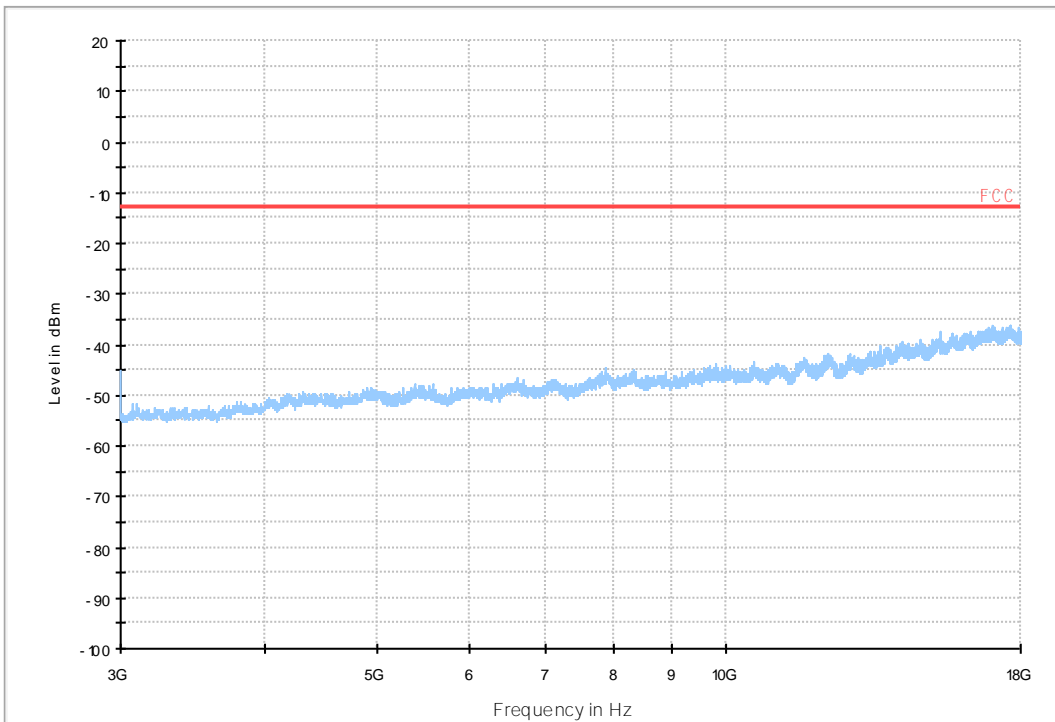




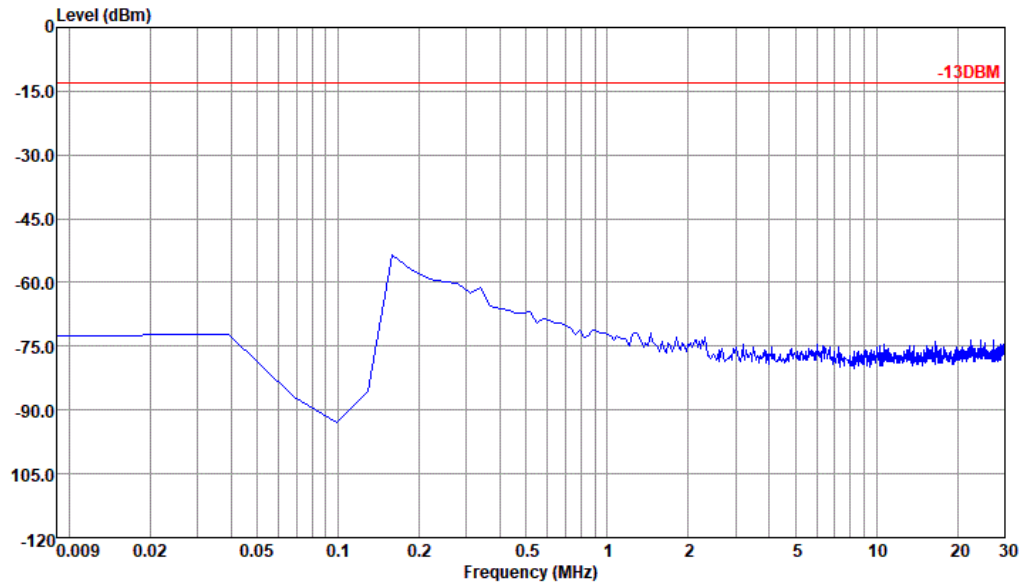
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



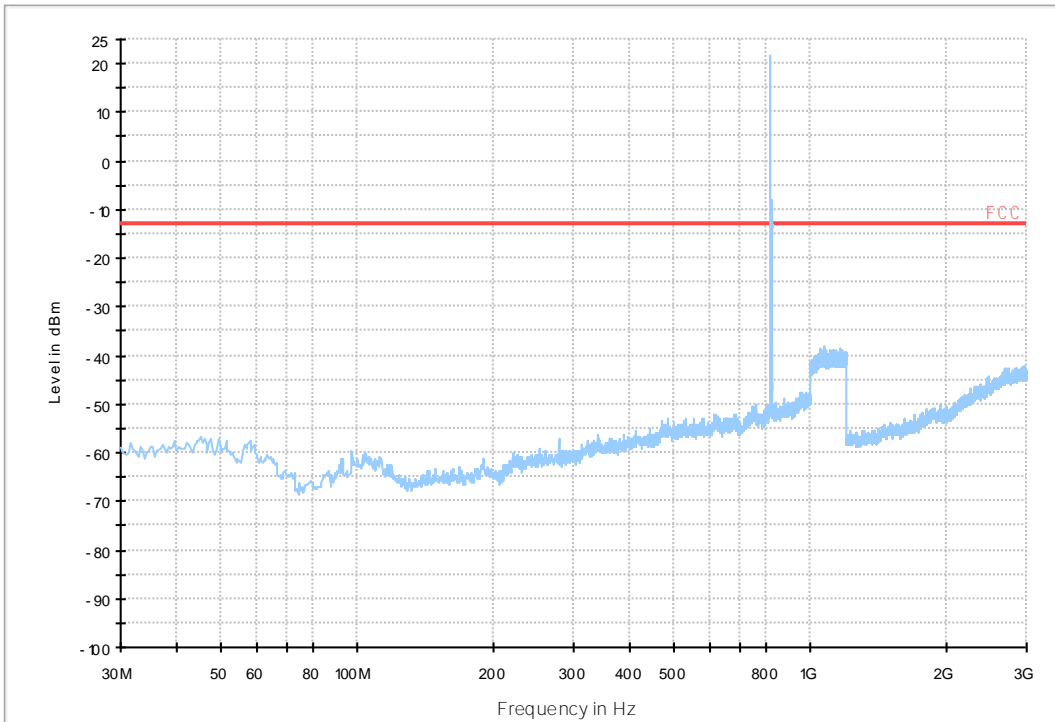
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



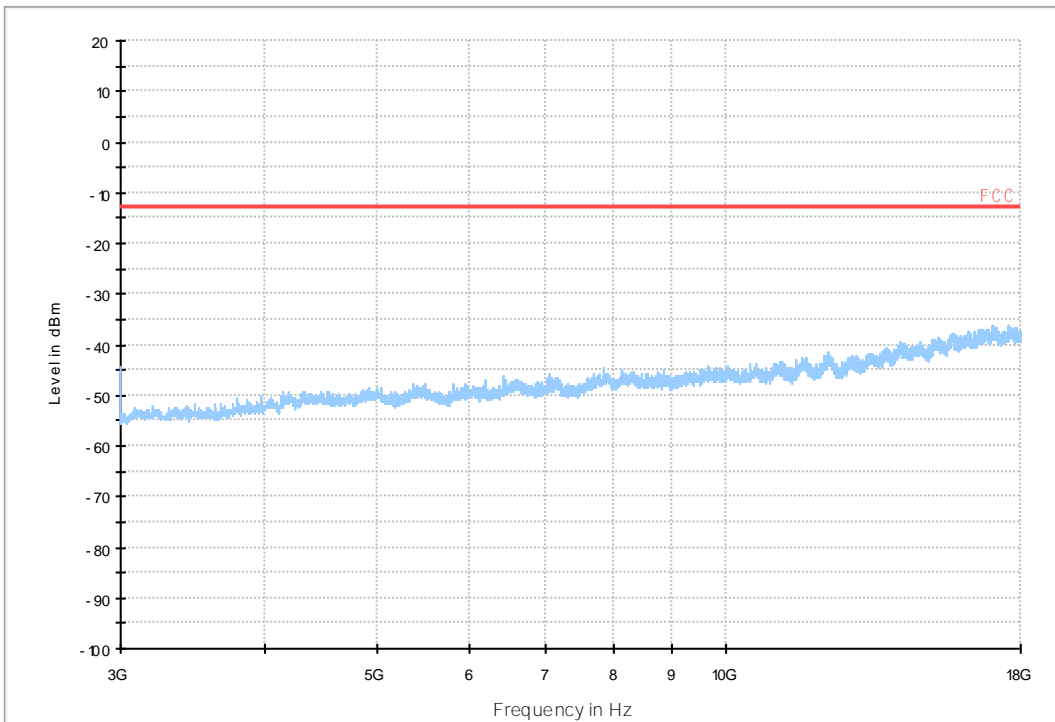
7.1.1.2 Test Bandwidth = 5



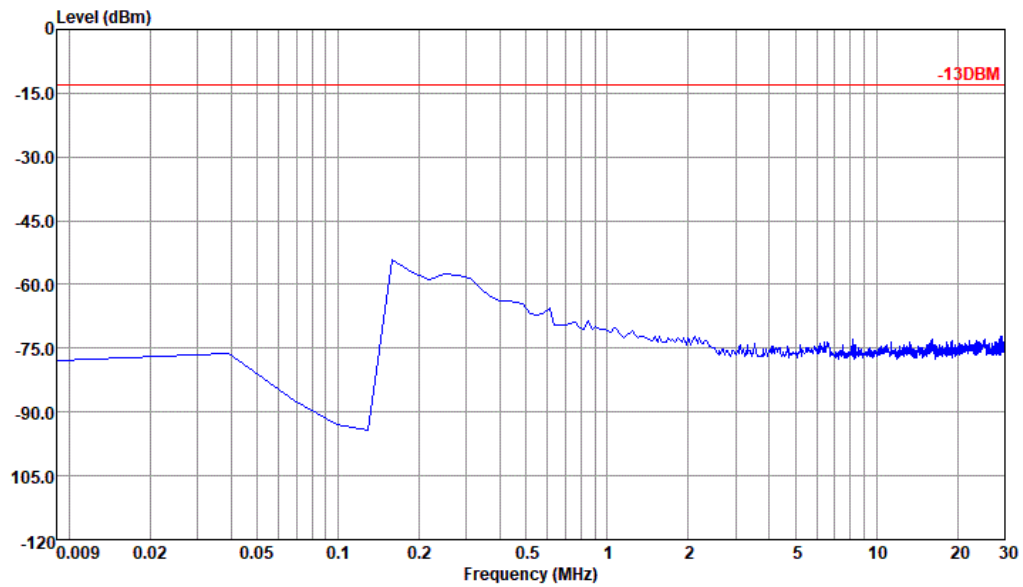
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



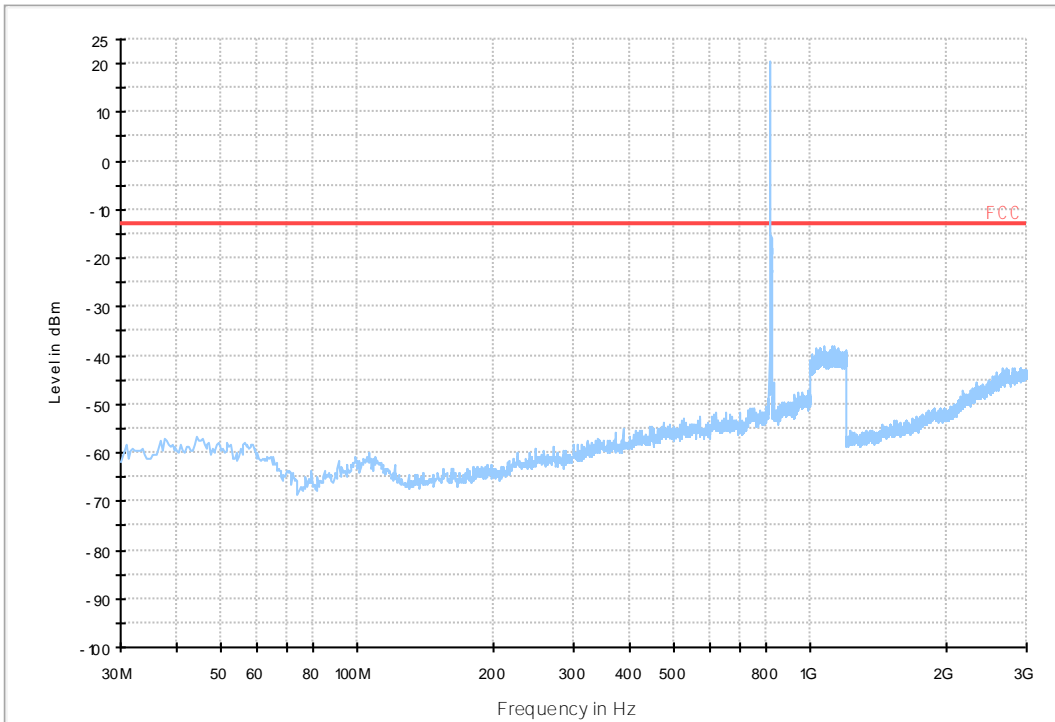
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



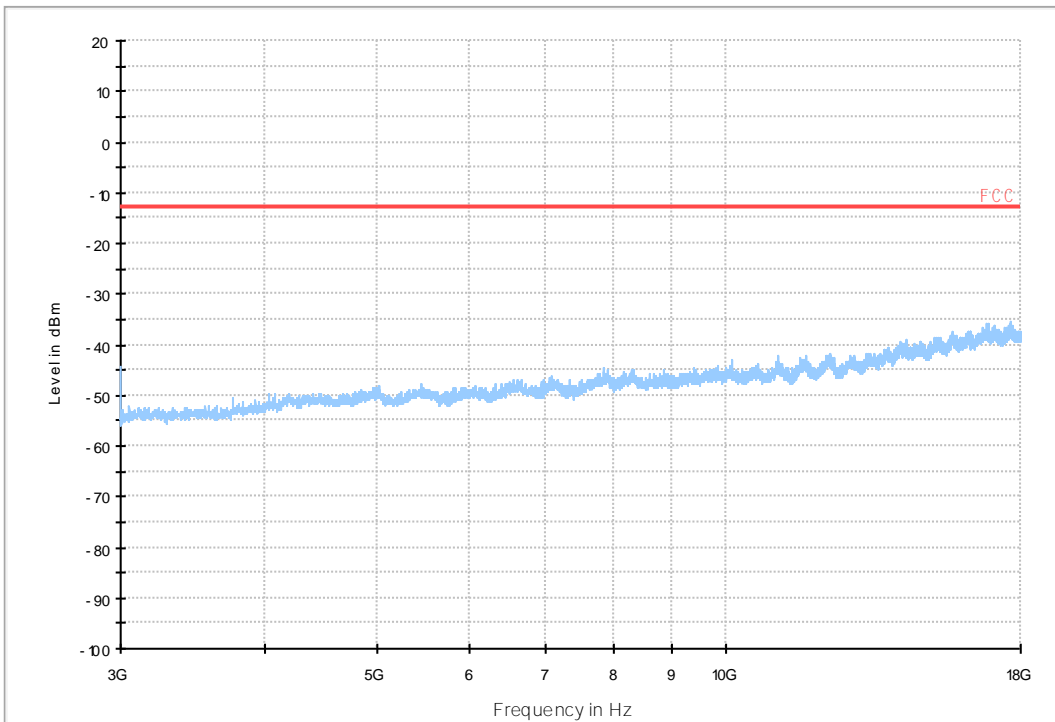
7.1.1.3 Test Bandwidth = 10



LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD 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
BAND26	LTE/TM1	1.4	LCH	TN	VL	-16.26	-0.01996	PASS
					VN	20.5	0.02516	PASS
					VH	0.89	0.00109	PASS
			MCH	TN	VL	4.95	0.00604	PASS
					VN	-8.55	-0.01044	PASS
					VH	11.2	0.01368	PASS
			HCH	TN	VL	15.61	0.01896	PASS
					VN	3.83	0.00465	PASS
					VH	12.02	0.0146	PASS
		3	LCH	TN	VL	-4.36	-0.00535	PASS
					VN	6.87	0.00842	PASS
					VH	-2.17	-0.00266	PASS
			MCH	TN	VL	-1.29	-0.00158	PASS
					VN	-9.11	-0.01112	PASS
					VH	-1.32	-0.00161	PASS
			HCH	TN	VL	-0.86	-0.00105	PASS
					VN	-1.4	-0.0017	PASS
					VH	0.43	0.00052	PASS
		5	LCH	TN	VL	-5.12	-0.00627	PASS
					VN	0.73	0.00089	PASS
					VH	-0.83	-0.00102	PASS
			MCH	TN	VL	-3.26	-0.00398	PASS
					VN	1.62	0.00198	PASS
					VH	-0.62	-0.00076	PASS
			HCH	TN	VL	1.57	0.00191	PASS
					VN	4.98	0.00606	PASS
					VH	-2.9	-0.00353	PASS
10	LCH	TN	VL	-1.33	-0.00162	PASS		
			VN	3.28	0.004	PASS		
			VH	1.46	0.00178	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
			MCH	TN	VL	-1.82	-0.00222	PASS		
					VN	0.64	0.00078	PASS		
					VH	0.8	0.00098	PASS		
			HCH	TN	VL	2.49	0.00304	PASS		
					VN	-3.03	-0.0037	PASS		
					VH	0.72	0.00088	PASS		
		LTE/TM2	1.4	LCH	TN	VL	19.81	0.02432	PASS	
						VN	-4.52	-0.00555	PASS	
						VH	-3.88	-0.00476	PASS	
				MCH	TN	VL	-7.72	-0.00943	PASS	
						VN	-2.39	-0.00292	PASS	
						VH	7.18	0.00877	PASS	
				HCH	TN	VL	12.67	0.01539	PASS	
						VN	-7.22	-0.00877	PASS	
						VH	2.16	0.00262	PASS	
				3	LCH	TN	VL	-7.47	-0.00916	PASS
							VN	-1.72	-0.00211	PASS
							VH	-7.74	-0.00949	PASS
	MCH		TN		VL	3.68	0.00449	PASS		
					VN	2.29	0.0028	PASS		
					VH	-3.66	-0.00447	PASS		
	HCH		TN	VL	1.97	0.0024	PASS			
				VN	-1.8	-0.00219	PASS			
				VH	2.93	0.00356	PASS			
	5	LCH	TN	VL	3.82	0.00468	PASS			
				VN	-0.73	-0.00089	PASS			
				VH	0.36	0.00044	PASS			
		MCH	TN	VL	-0.53	-0.00065	PASS			
				VN	-2.22	-0.00271	PASS			
				VH	3.03	0.0037	PASS			
		HCH	TN	VL	-0.19	-0.00023	PASS			
				VN	-2	-0.00243	PASS			
				VH	3.08	0.00375	PASS			
	10	LCH	TN	VL	3.33	0.00407	PASS			
				VN	0.16	0.0002	PASS			
				VH	0.11	0.00013	PASS			
MCH		TN	VL	0.47	0.00057	PASS				
			VN	-0.73	-0.00089	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-3.26	-0.00398	PASS
			HCH	TN	VL	-0.84	-0.00103	PASS
					VN	4.68	0.00571	PASS
					VH	2.26	0.00276	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
BAND26	LTE/TM1	1.4	LCH	VN	-30	10.64	0.01306	PASS
					-20	-0.21	-0.00026	PASS
					-10	3.95	0.00485	PASS
					0	0.6	0.00074	PASS
					10	11.74	0.01441	PASS
					20	-8.83	-0.01084	PASS
					30	11.07	0.01359	PASS
					40	7.57	0.00929	PASS
					50	-0.72	-0.00088	PASS
			MCH	VN	-30	-5.76	-0.00703	PASS
					-20	4.63	0.00565	PASS
					-10	-7.81	-0.00954	PASS
					0	-12.26	-0.01497	PASS
					10	0.06	0.00007	PASS
					20	9.71	0.01186	PASS
					30	9.94	0.01214	PASS
					40	7.94	0.00969	PASS
					50	10.07	0.0123	PASS
		HCH	VN	-30	-10.34	-0.01256	PASS	
				-20	13.75	0.0167	PASS	
				-10	10.61	0.01289	PASS	
				0	2.29	0.00278	PASS	
				10	3.65	0.00443	PASS	
				20	-1	-0.00121	PASS	
				30	-22.23	-0.027	PASS	
				40	-5.52	-0.0067	PASS	
				50	5.92	0.00719	PASS	
3	LCH	VN	-30	-0.31	-0.00038	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	5.09	0.00624	PASS
					-10	-8.01	-0.00982	PASS
					0	0.83	0.00102	PASS
					10	3.6	0.00441	PASS
					20	-0.96	-0.00118	PASS
					30	7.15	0.00877	PASS
					40	-8.05	-0.00987	PASS
					50	0.99	0.00121	PASS
			MCH	VN	-30	-4.12	-0.00503	PASS
					-20	4.98	0.00608	PASS
					-10	-0.29	-0.00035	PASS
					0	5.29	0.00646	PASS
					10	8.07	0.00985	PASS
					20	-0.84	-0.00103	PASS
					30	3.99	0.00487	PASS
					40	10.23	0.01249	PASS
			HCH	VN	-30	-1.34	-0.00163	PASS
					-20	-5.04	-0.00613	PASS
					-10	0.79	0.00096	PASS
					0	1.69	0.00205	PASS
					10	-5.29	-0.00643	PASS
					20	1.24	0.00151	PASS
					30	2	0.00243	PASS
					40	-6.97	-0.00847	PASS
		5	LCH	VN	-30	1.72	0.00211	PASS
					-20	1.99	0.00244	PASS
					-10	-1.02	-0.00125	PASS
					0	1.95	0.00239	PASS
					10	2.72	0.00333	PASS
					20	2.6	0.00318	PASS
					30	0.31	0.00038	PASS
					40	9.46	0.01159	PASS
			50	-0.23	-0.00028	PASS		
			MCH	VN	-30	-1.59	-0.00194	PASS
					-20	-3.26	-0.00398	PASS
					-10	-0.49	-0.0006	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	3.76	0.00459	PASS
					10	0.41	0.0005	PASS
					20	1.67	0.00204	PASS
					30	4.69	0.00573	PASS
					40	0.06	0.00007	PASS
					50	4.31	0.00526	PASS
			HCH	VN	-30	1.12	0.00136	PASS
					-20	-3.53	-0.0043	PASS
					-10	-0.67	-0.00082	PASS
					0	-3.85	-0.00469	PASS
					10	-1.04	-0.00127	PASS
					20	-0.53	-0.00065	PASS
					30	7.6	0.00925	PASS
					40	-1.22	-0.00149	PASS
					50	-3.13	-0.00381	PASS
		10	LCH	VN	-30	0.39	0.00048	PASS
					-20	-0.84	-0.00103	PASS
					-10	3.12	0.00381	PASS
					0	0.54	0.00066	PASS
					10	-0.33	-0.0004	PASS
					20	2.2	0.00269	PASS
					30	-0.69	-0.00084	PASS
					40	-0.1	-0.00012	PASS
			MCH	VN	-30	2.16	0.00264	PASS
					-20	-0.73	-0.00089	PASS
					-10	-0.29	-0.00035	PASS
					0	-0.6	-0.00073	PASS
					10	0.83	0.00101	PASS
					20	3.38	0.00413	PASS
					30	-0.17	-0.00021	PASS
		HCH	VN	-30	0.82	0.001	PASS	
				-20	2.56	0.00313	PASS	
				-10	-1.02	-0.00125	PASS	
				0	2.5	0.00305	PASS	
				10	-1.56	-0.0019	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	20	-0.64	-0.00078	PASS	
					30	-0.13	-0.00016	PASS	
					40	0.26	0.00032	PASS	
					50	0.57	0.0007	PASS	
			MCH	VN	-30	18.83	0.02311	PASS	
					-20	-9.1	-0.01117	PASS	
					-10	-5.56	-0.00682	PASS	
					0	21.14	0.02595	PASS	
					10	2.8	0.00344	PASS	
					20	-1.52	-0.00187	PASS	
					30	3.28	0.00403	PASS	
					40	5.99	0.00735	PASS	
					50	-2.05	-0.00252	PASS	
					HCH	VN	-30	4.92	0.00601
		-20					-6.44	-0.00786	PASS
		-10					-0.4	-0.00049	PASS
		0	-6.18	-0.00755			PASS		
		3	LCH	VN	10	5.44	0.00664	PASS	
					20	0.7	0.00085	PASS	
					30	-6.77	-0.00827	PASS	
					40	-6.05	-0.00739	PASS	
					50	7.51	0.00917	PASS	
					-30	2.3	0.00279	PASS	
					-20	-1.22	-0.00148	PASS	
					-10	-8.41	-0.01021	PASS	
					0	-9.71	-0.01179	PASS	
					10	3.06	0.00372	PASS	
		20	-0.19	-0.00023	PASS				
		30	4.39	0.00533	PASS				
		40	6.9	0.00838	PASS				
50	-4.39	-0.00533	PASS						
-30	-3.26	-0.004	PASS						
-20	2.37	0.00291	PASS						
-10	-0.94	-0.00115	PASS						
0	1.07	0.00131	PASS						
10	-2.25	-0.00276	PASS						
20	-5.29	-0.00649	PASS						
30	0.92	0.00113	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-1.47	-0.0018	PASS
					50	-2.78	-0.00341	PASS
			MCH	VN	-30	3.69	0.00451	PASS
					-20	-0.8	-0.00098	PASS
					-10	1.8	0.0022	PASS
					0	3.45	0.00421	PASS
					10	-1.26	-0.00154	PASS
					20	-5.02	-0.00613	PASS
					30	-1.34	-0.00164	PASS
					40	1.33	0.00162	PASS
					50	2.89	0.00353	PASS
					HCH	VN	-30	-4.22
			-20	2.83			0.00344	PASS
			-10	1.29			0.00157	PASS
			0	1.14			0.00139	PASS
			10	2.17			0.00264	PASS
			20	0.33			0.0004	PASS
			30	7.55			0.00918	PASS
			40	-3.26			-0.00396	PASS
			50	3.5	0.00426	PASS		
		5	LCH	VN	-30	-3.28	-0.00402	PASS
					-20	2.85	0.00349	PASS
					-10	12.36	0.01514	PASS
					0	-1.63	-0.002	PASS
					10	3.82	0.00468	PASS
					20	6.31	0.00773	PASS
					30	-4.84	-0.00593	PASS
					40	-2.17	-0.00266	PASS
			50	4.99	0.00611	PASS		
			MCH	VN	-30	3.39	0.00414	PASS
					-20	-2.88	-0.00352	PASS
					-10	0.77	0.00094	PASS
					0	-0.92	-0.00112	PASS
10	0.33	0.0004			PASS			
20	2.15	0.00263	PASS					
30	0.51	0.00062	PASS					
40	3.58	0.00437	PASS					
50	0.84	0.00103	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	-0.00057	PASS	
					-20	0.13	0.00016	PASS	
					-10	1.12	0.00136	PASS	
					0	0.46	0.00056	PASS	
					10	0.73	0.00089	PASS	
					20	-0.73	-0.00089	PASS	
					30	-6.18	-0.00752	PASS	
					40	0.03	0.00004	PASS	
			50	4.16	0.00506	PASS			
			10	LCH	VN	-30	0.33	0.0004	PASS
						-20	1.92	0.00234	PASS
						-10	-1.63	-0.00199	PASS
						0	-0.86	-0.00105	PASS
						10	-0.7	-0.00085	PASS
						20	-1.89	-0.00231	PASS
						30	1.06	0.00129	PASS
		40				1.97	0.00241	PASS	
		10	MCH	VN	-30	-1.85	-0.00226	PASS	
					-20	1.02	0.00125	PASS	
					-10	-1.1	-0.00134	PASS	
					0	2.78	0.00339	PASS	
					10	2.45	0.00299	PASS	
					20	-1.63	-0.00199	PASS	
					30	-0.03	-0.00004	PASS	
					40	-1.79	-0.00219	PASS	
		10	HCH	VN	-30	2.17	0.00265	PASS	
					-20	4.73	0.00578	PASS	
					-10	4.33	0.00529	PASS	
					0	2.6	0.00317	PASS	
					10	-1.63	-0.00199	PASS	
					20	-2.29	-0.0028	PASS	
					30	-1.33	-0.00162	PASS	
40	1.89				0.00231	PASS			
					50	-0.24	-0.00029	PASS	

END