

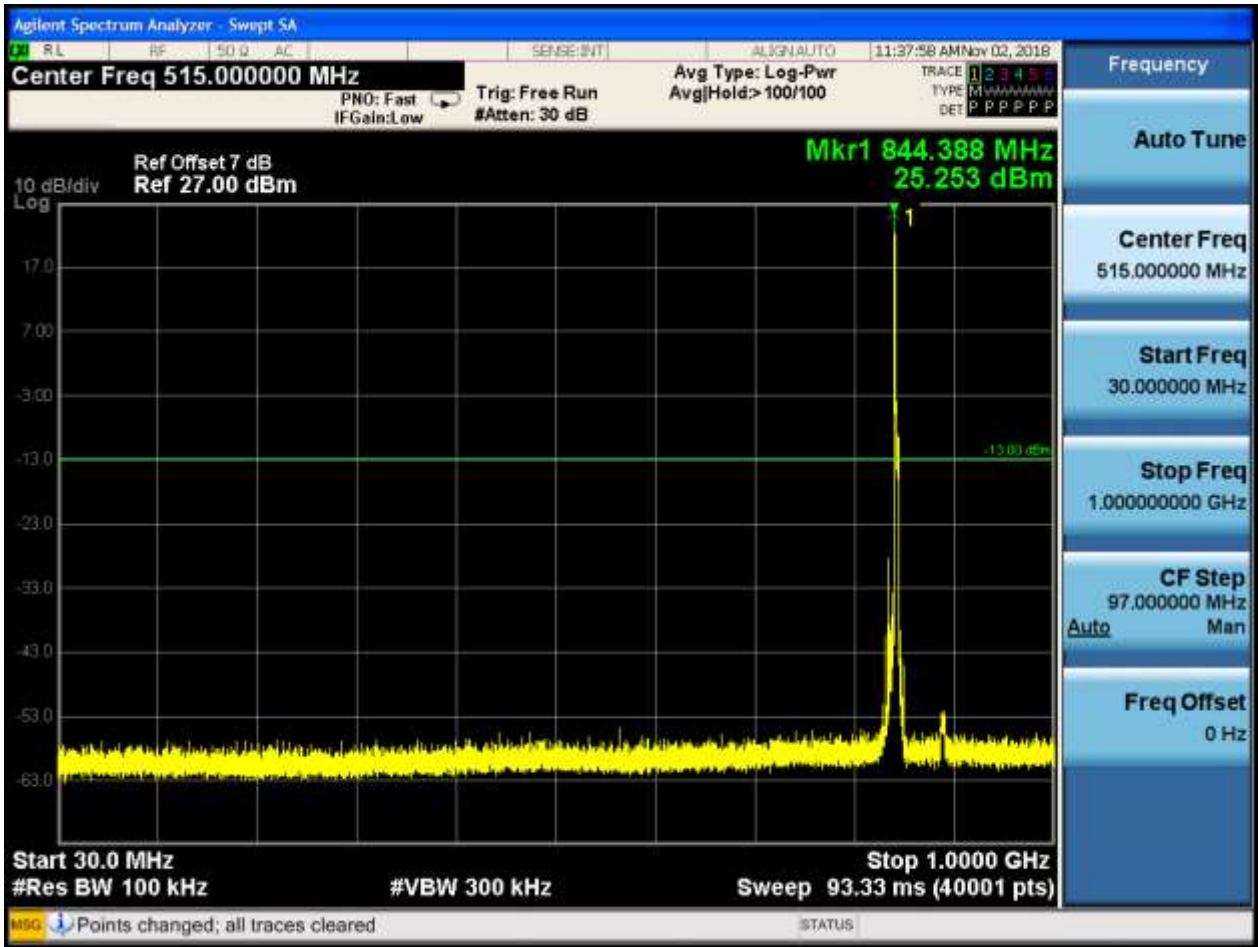


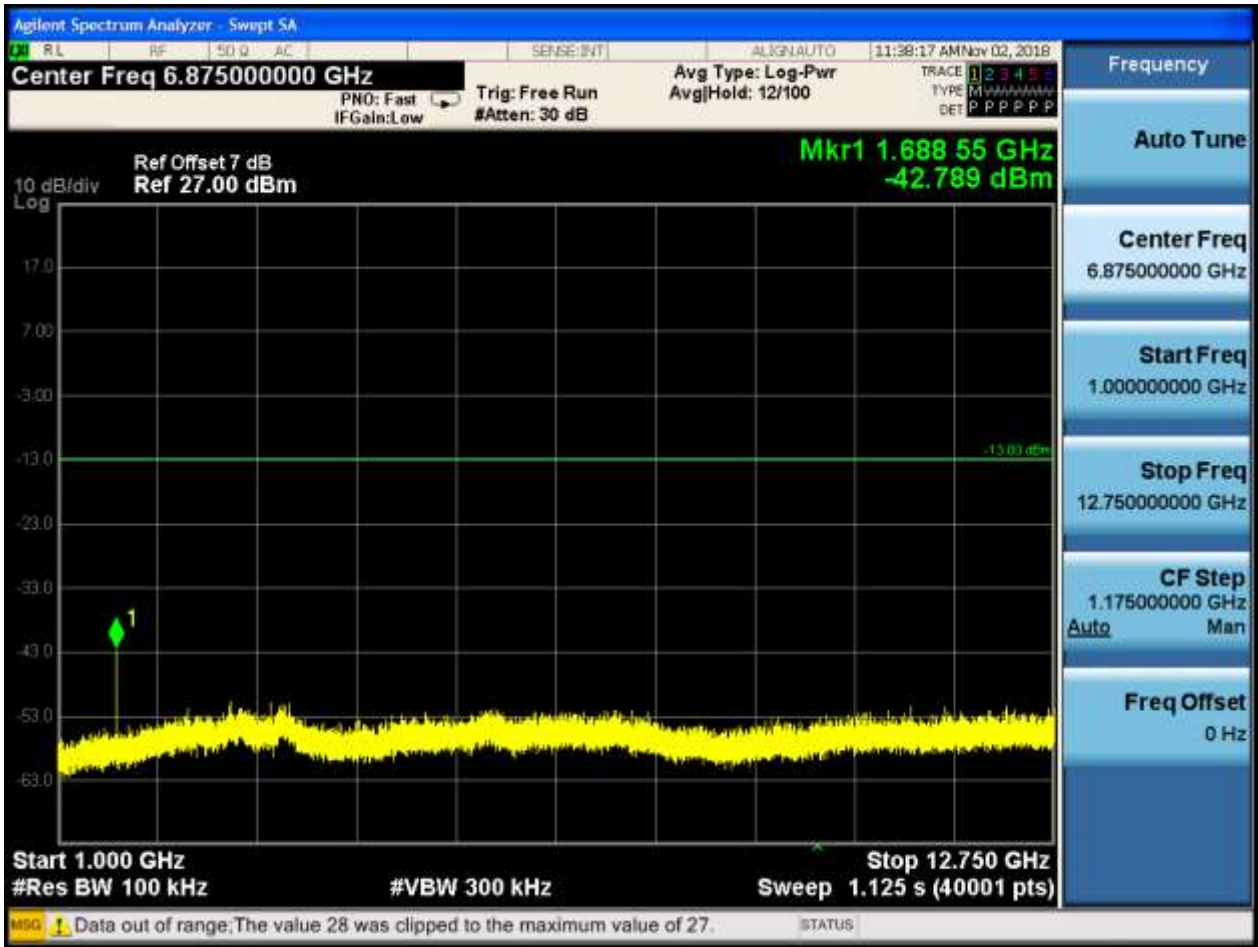
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0











6.1.1.2.4 Test Bandwidth = 10

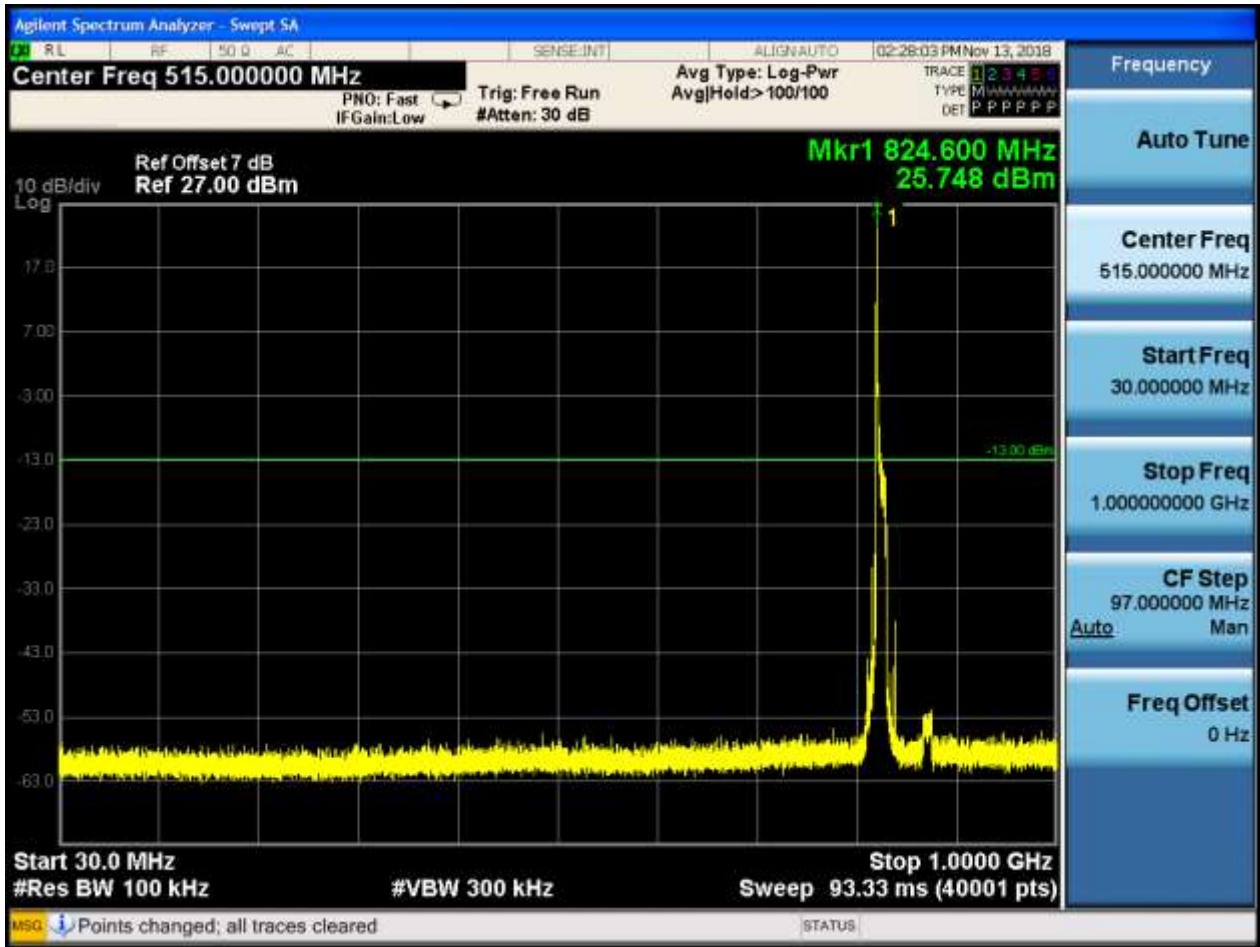
6.1.1.2.4.1 Test Channel = LCH

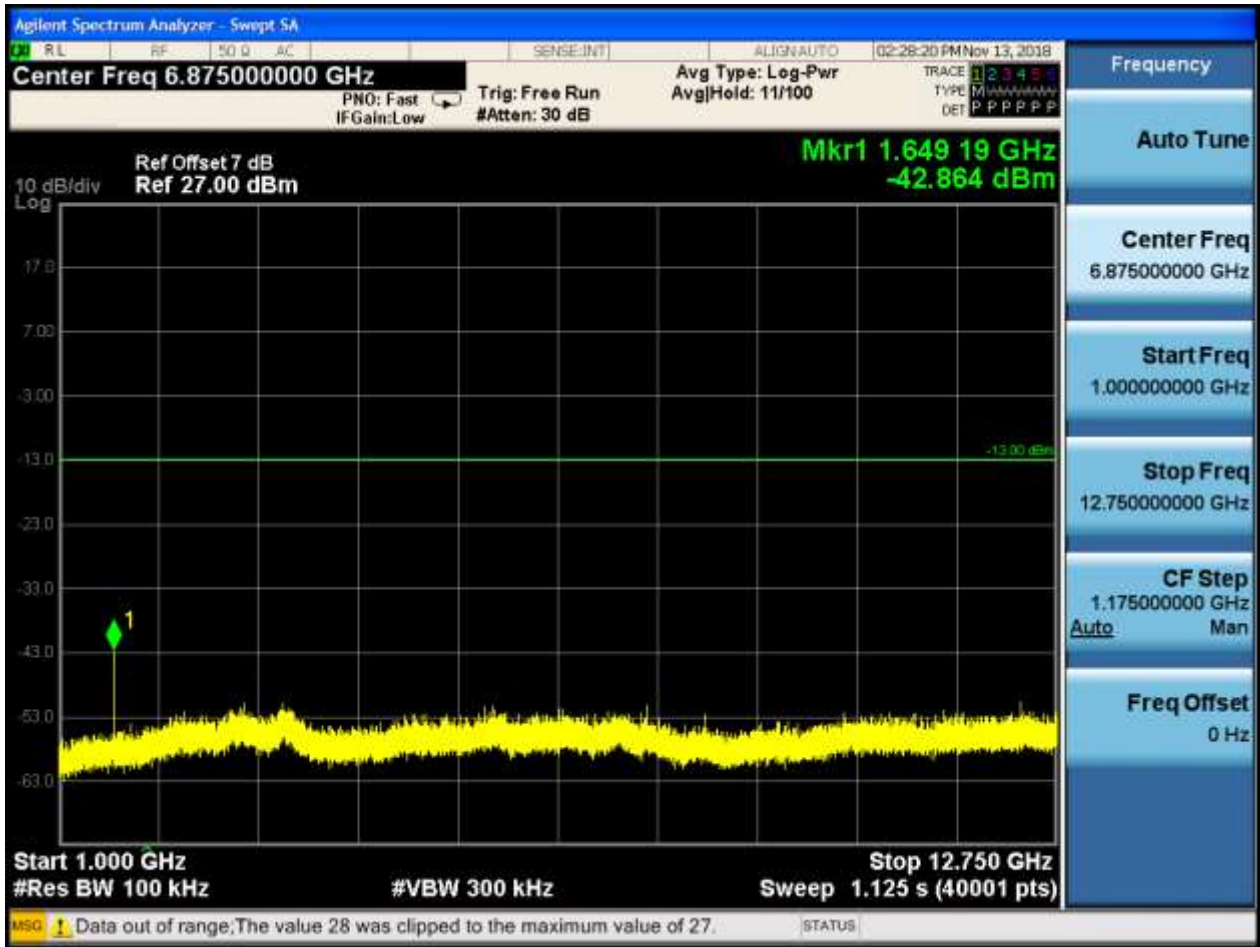
6.1.1.2.4.1.1 Test RB = RB1#0







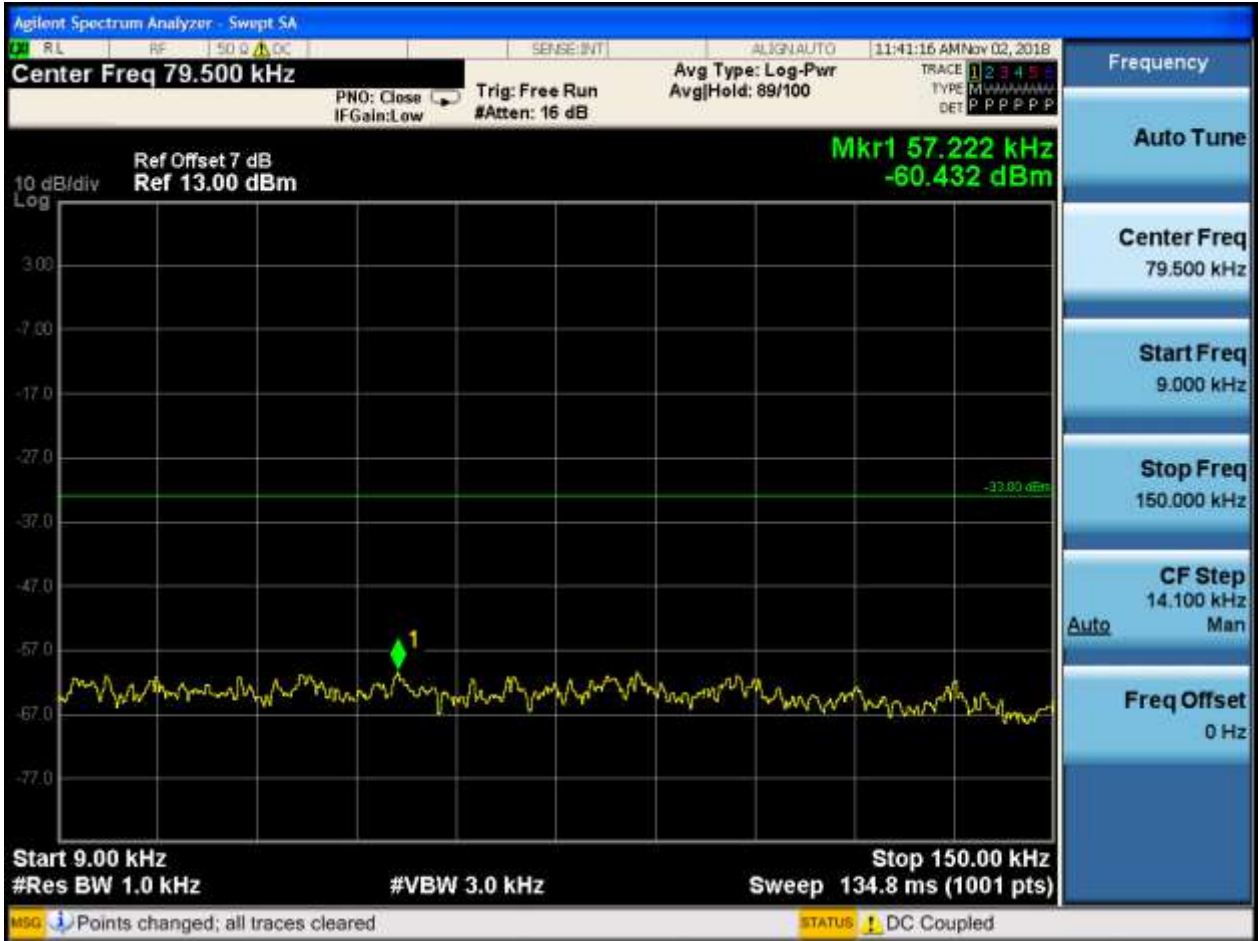




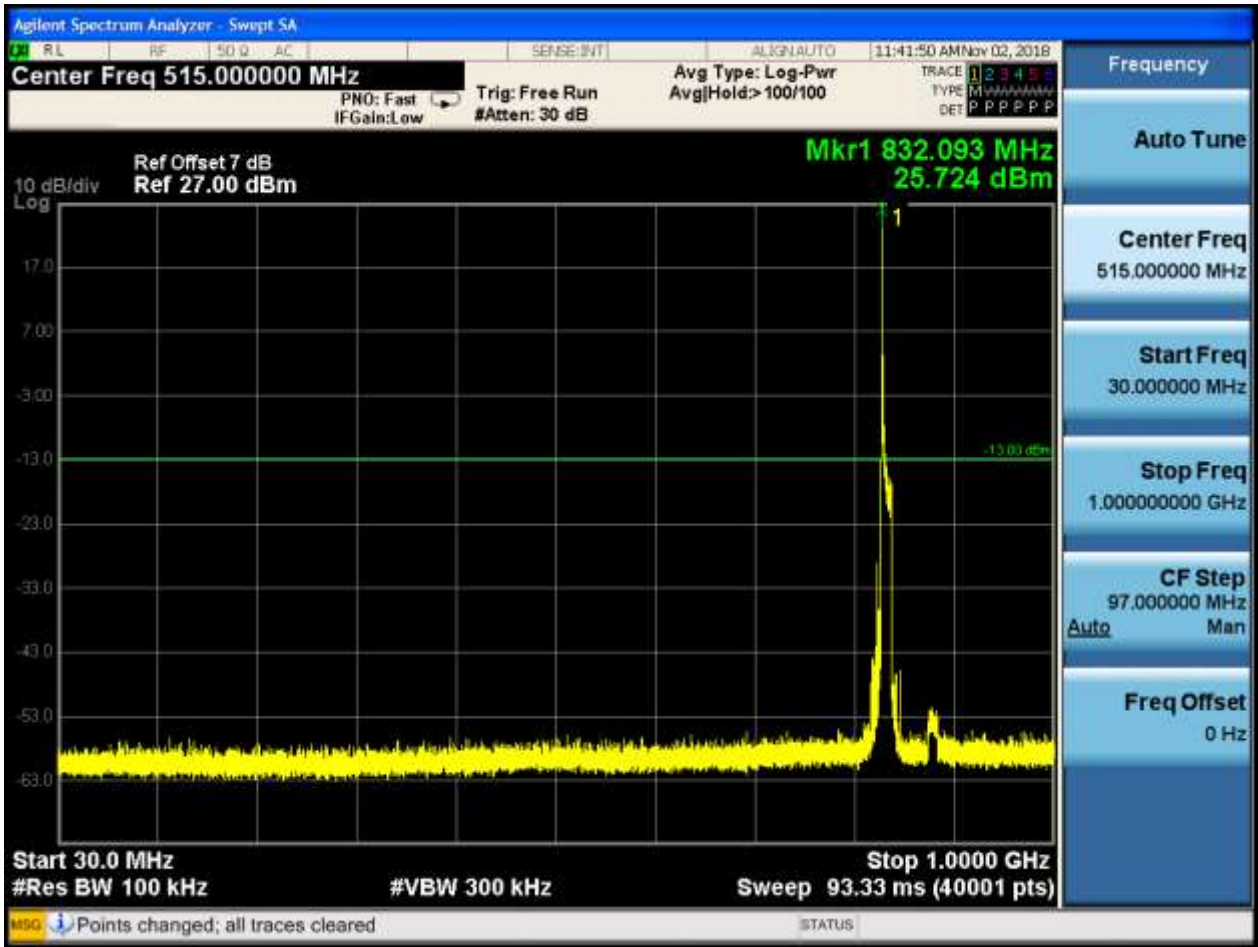


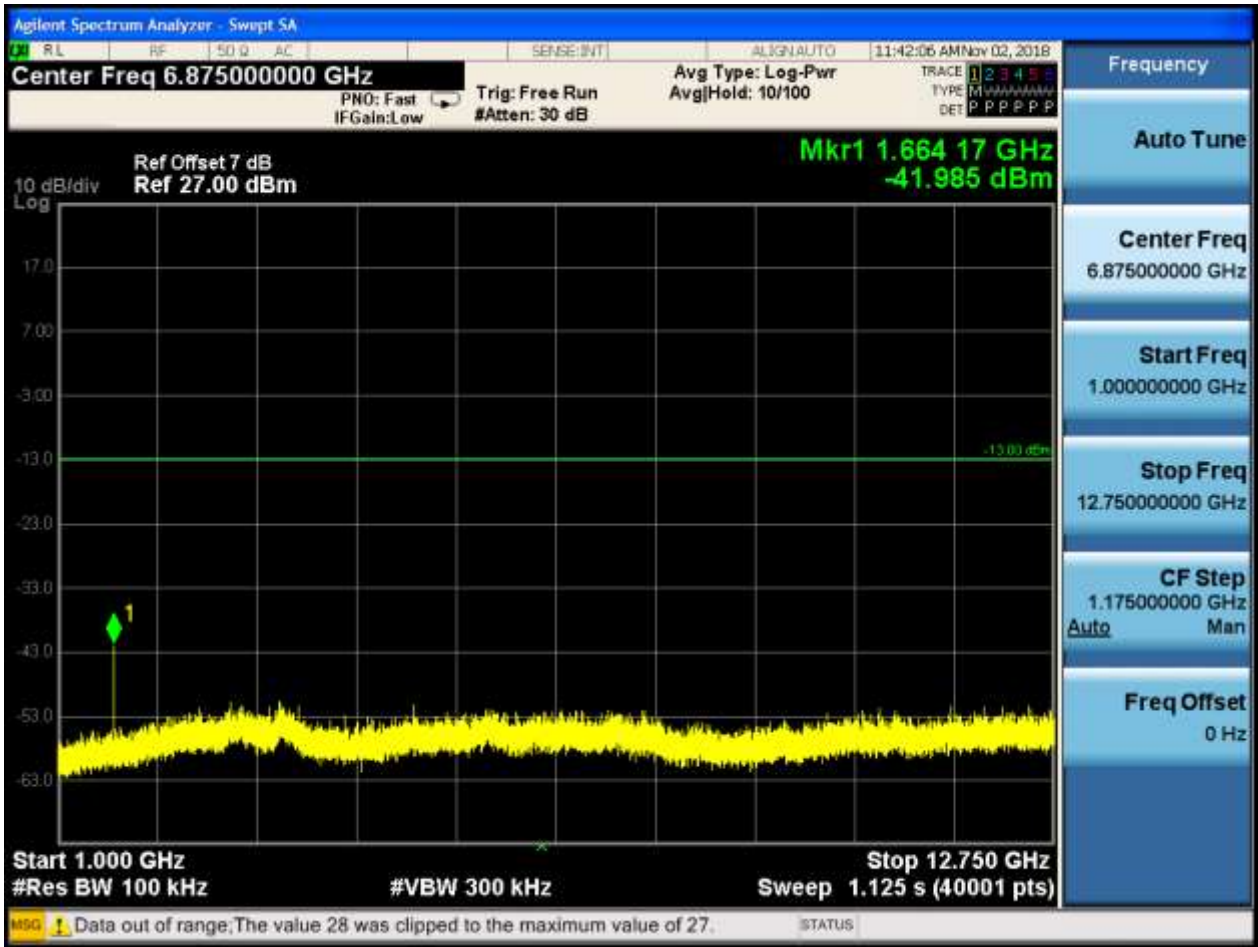
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0











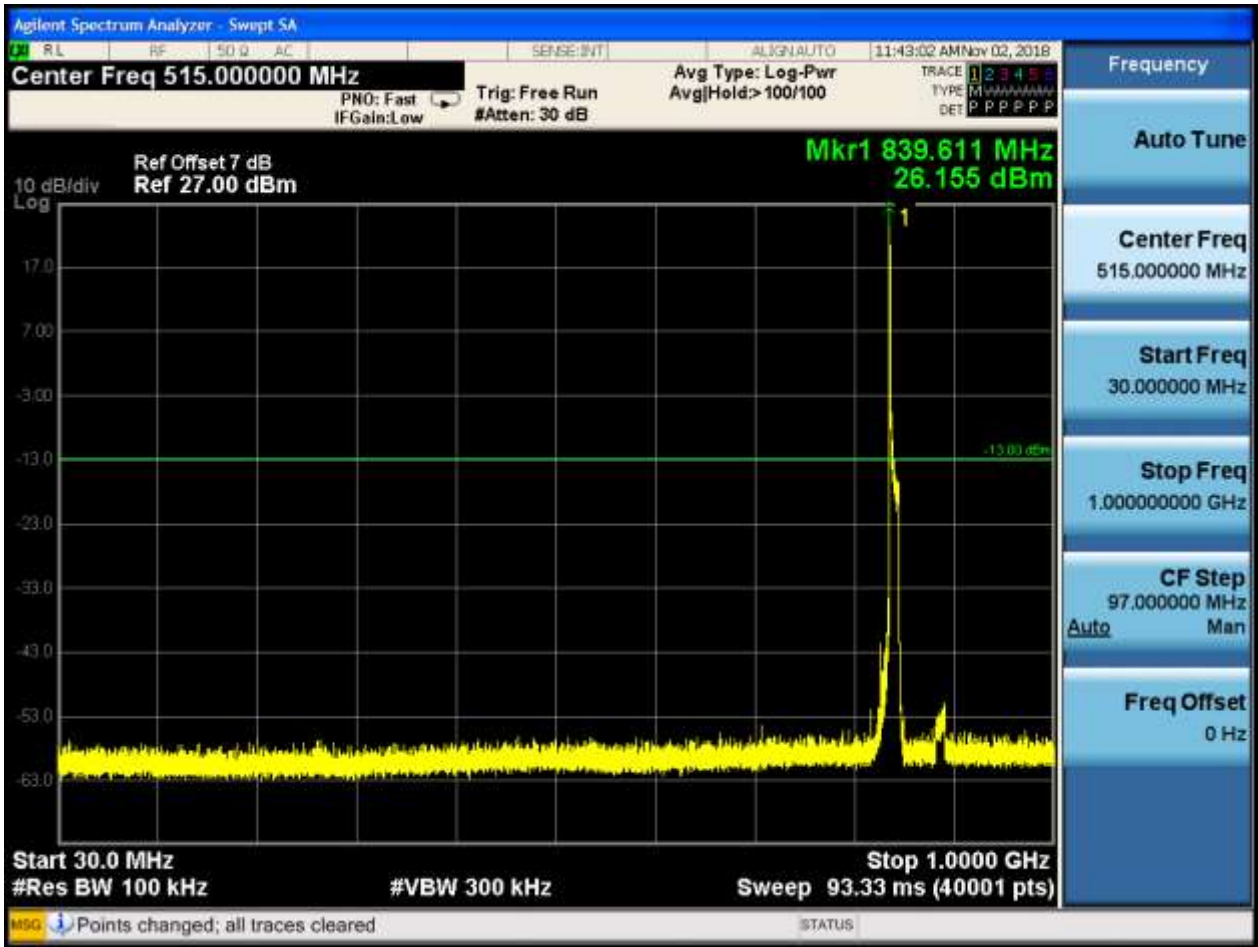
6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0













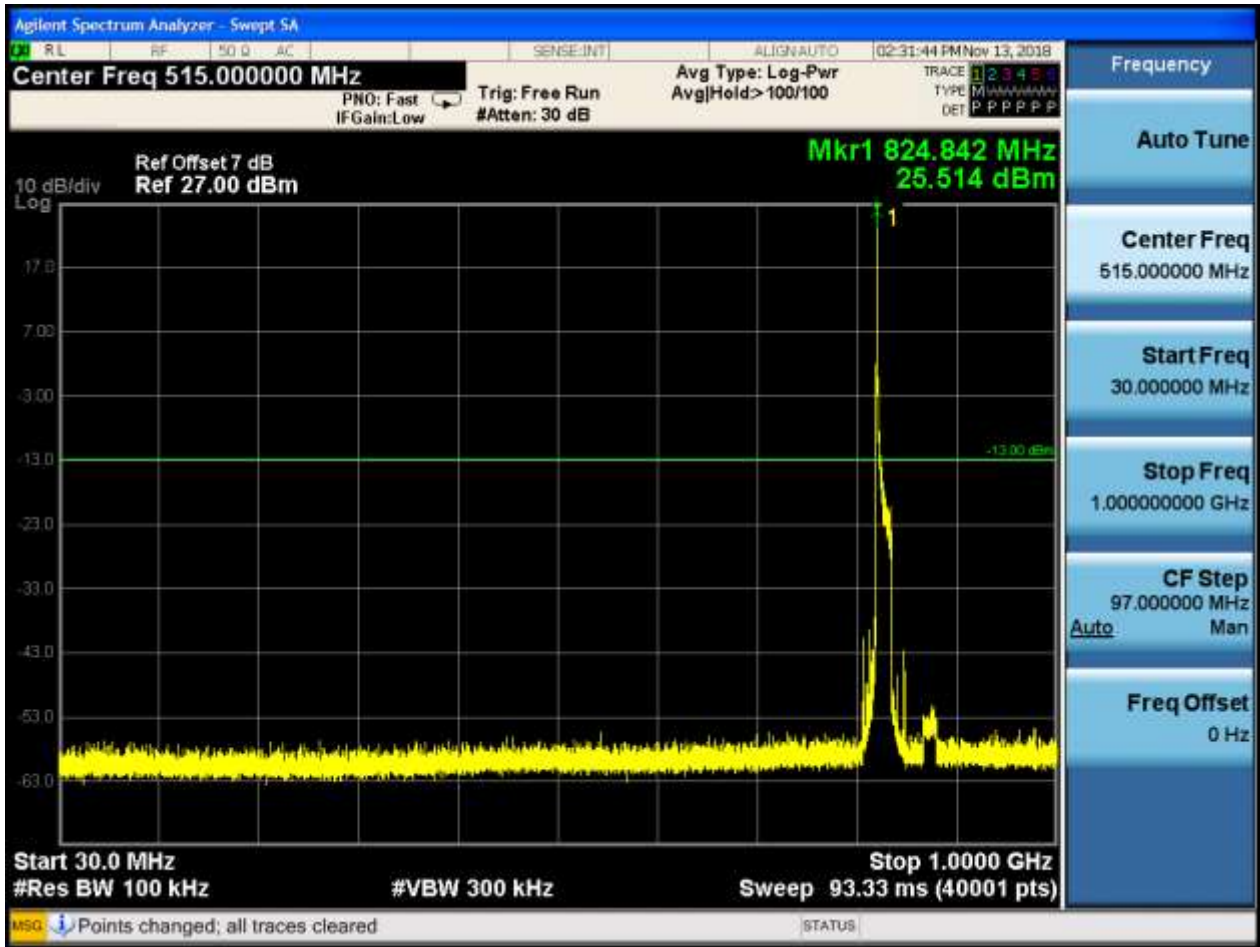
6.1.1.2.5 Test Bandwidth = 15

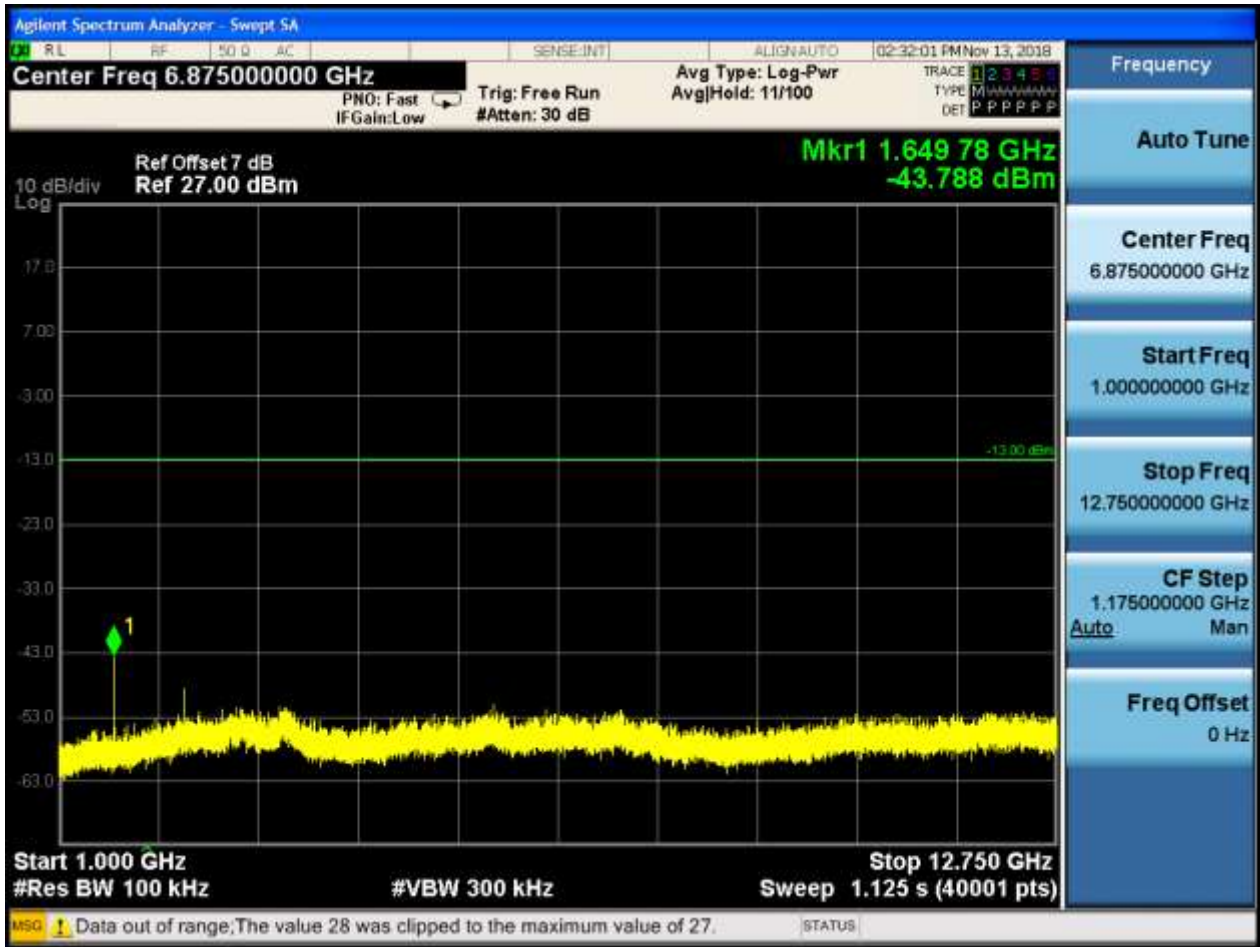
6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0











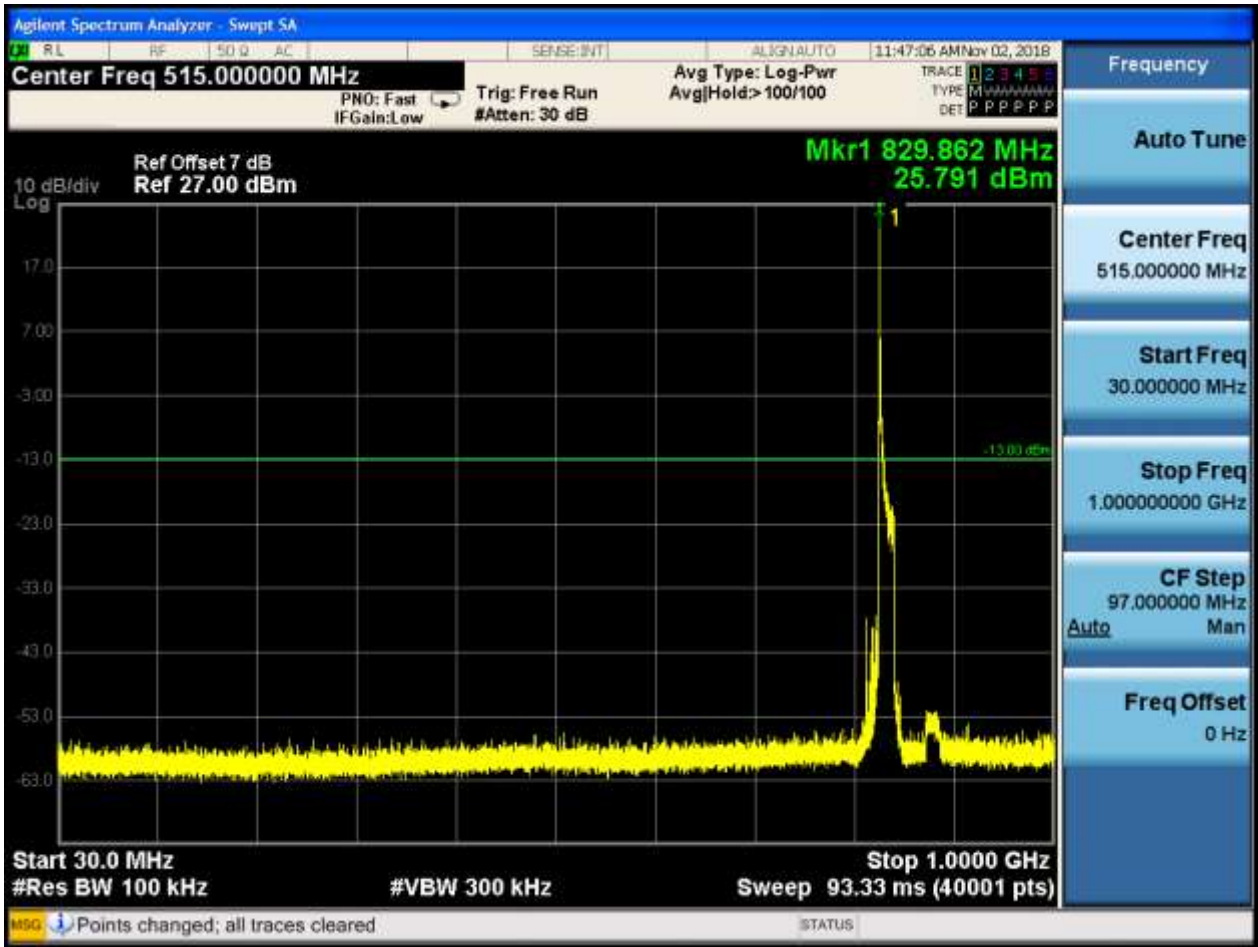
6.1.1.2.5.2 Test Channel = MCH

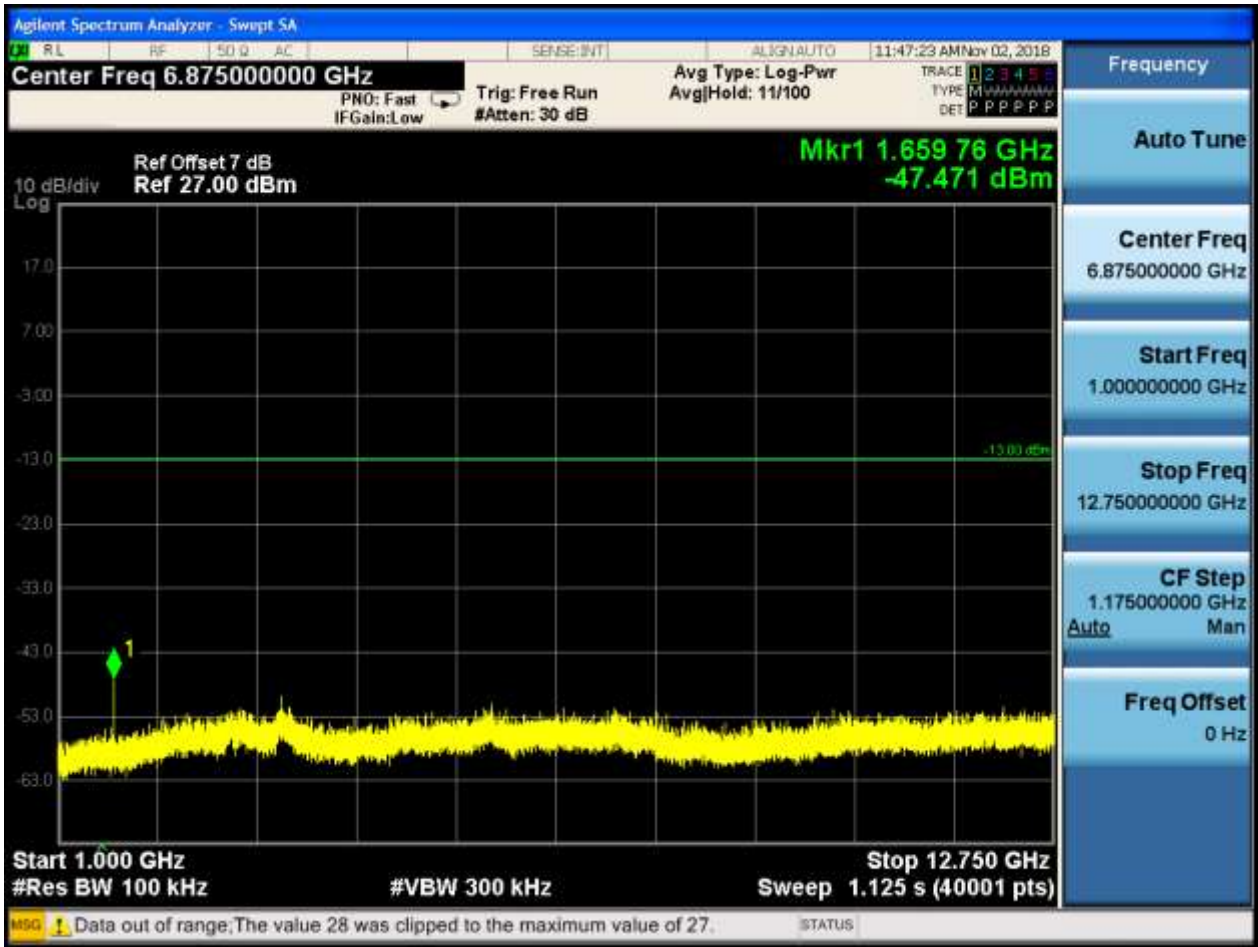
6.1.1.2.5.2.1 Test RB = RB1#0











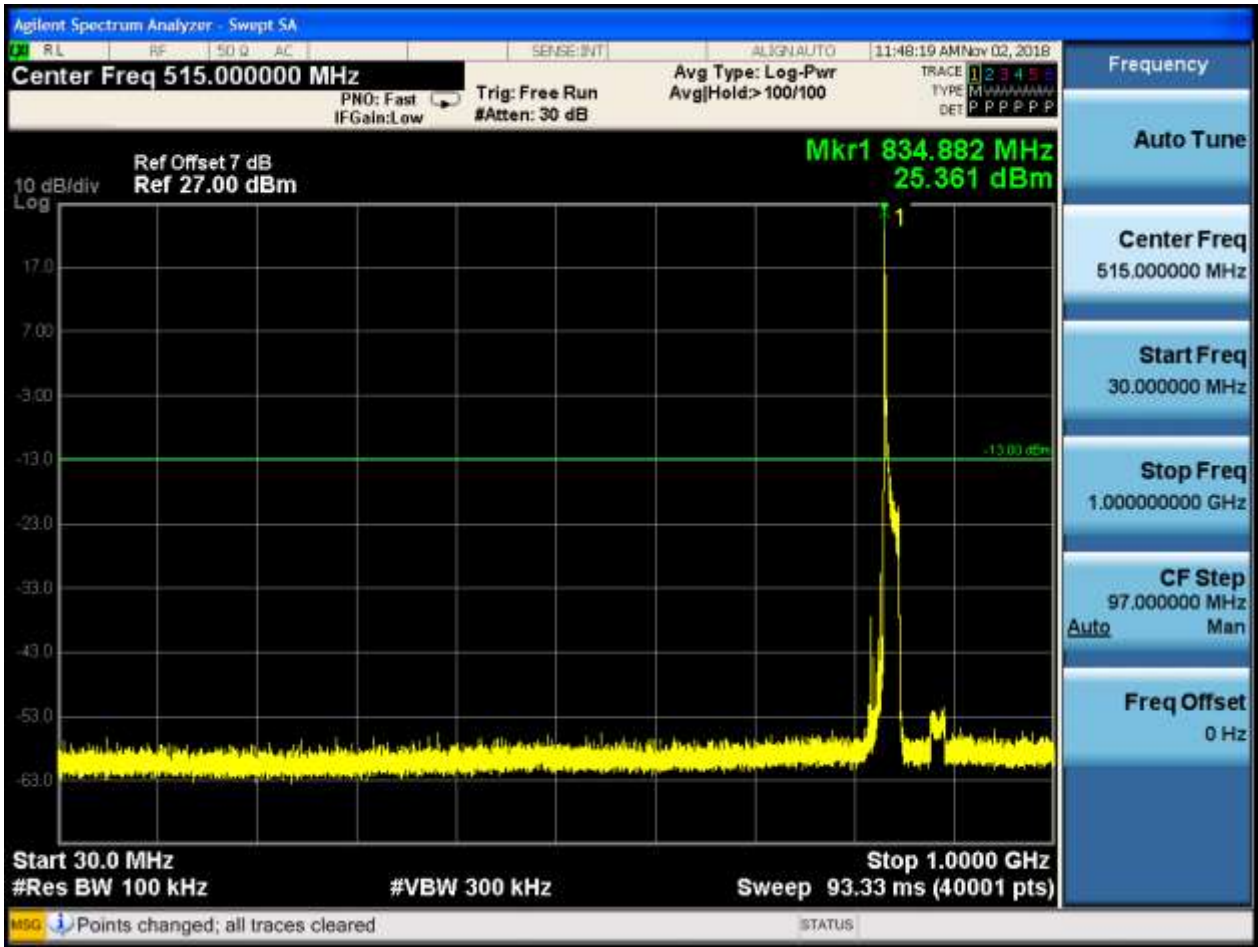


6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 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

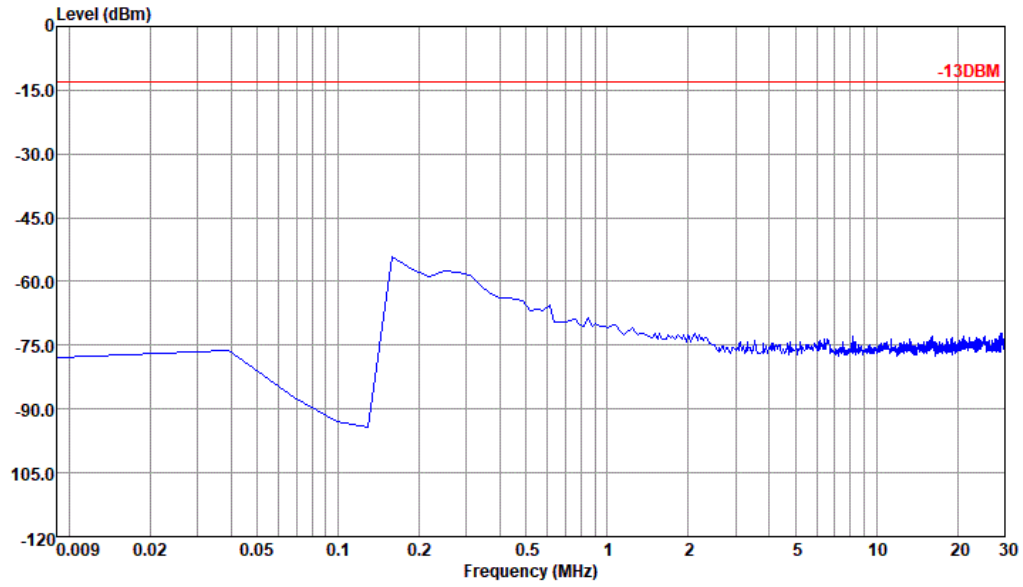
##### 7.1.1 Test Band = BAND26

##### 7.1.1.1 Test Bandwidth = 1.4



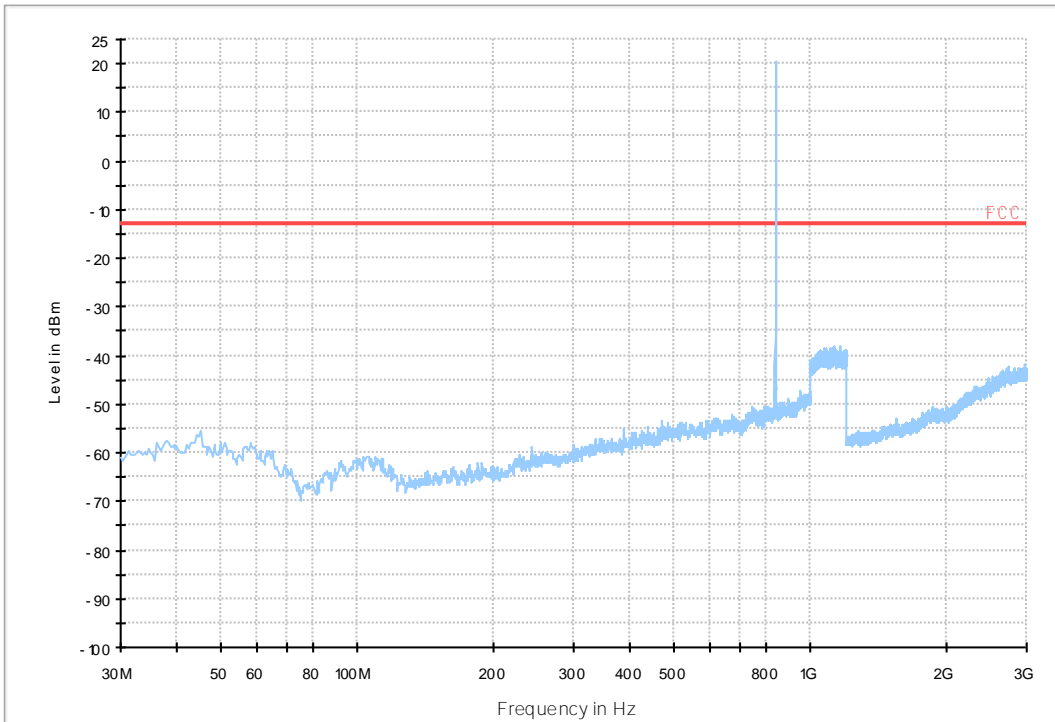


Data: 21

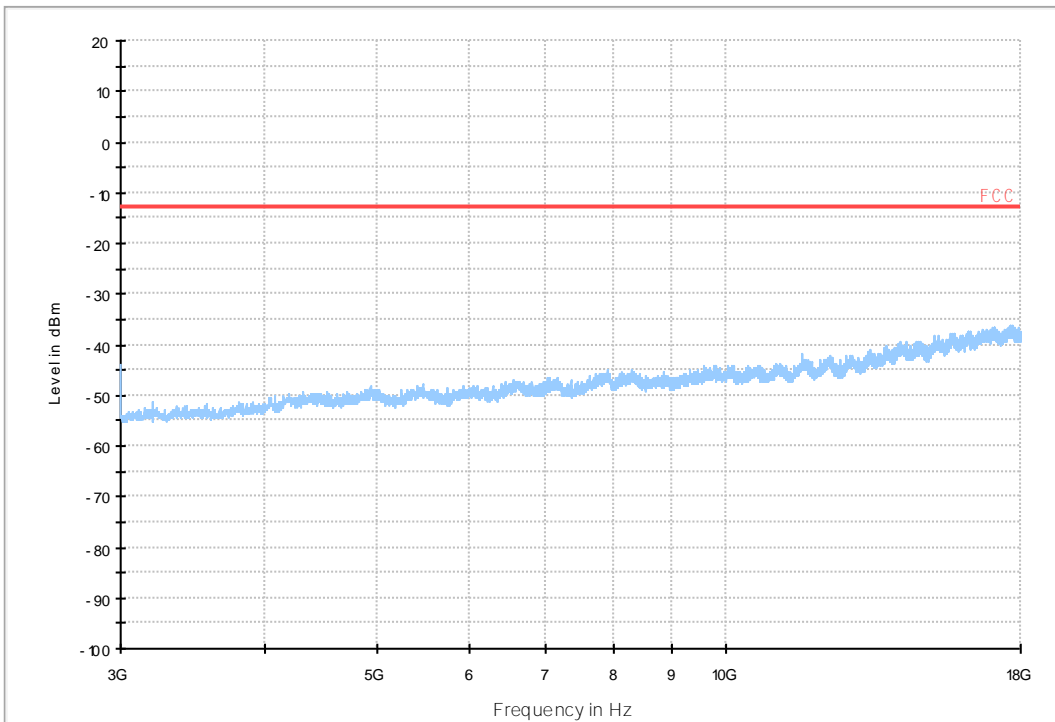




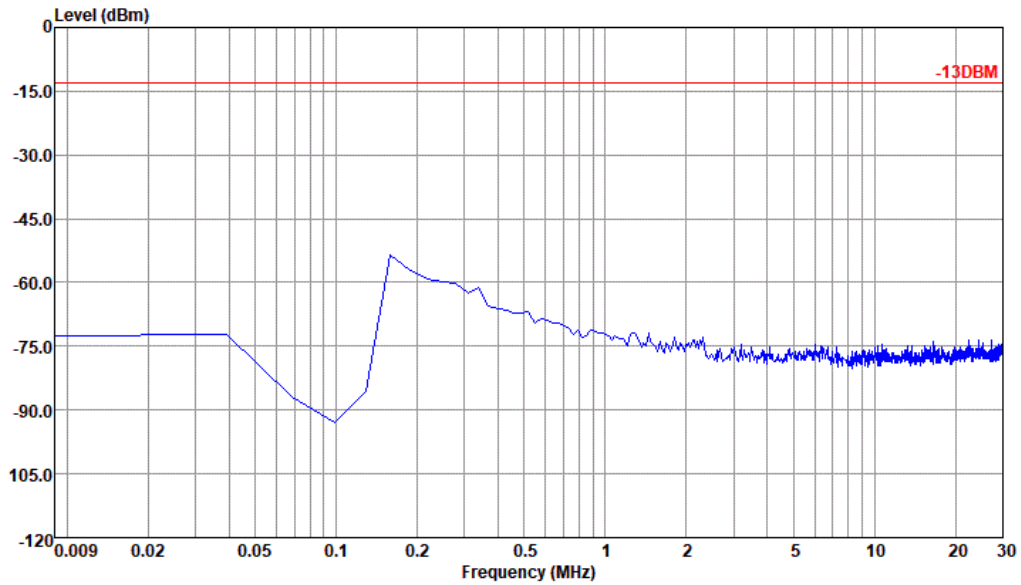
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H

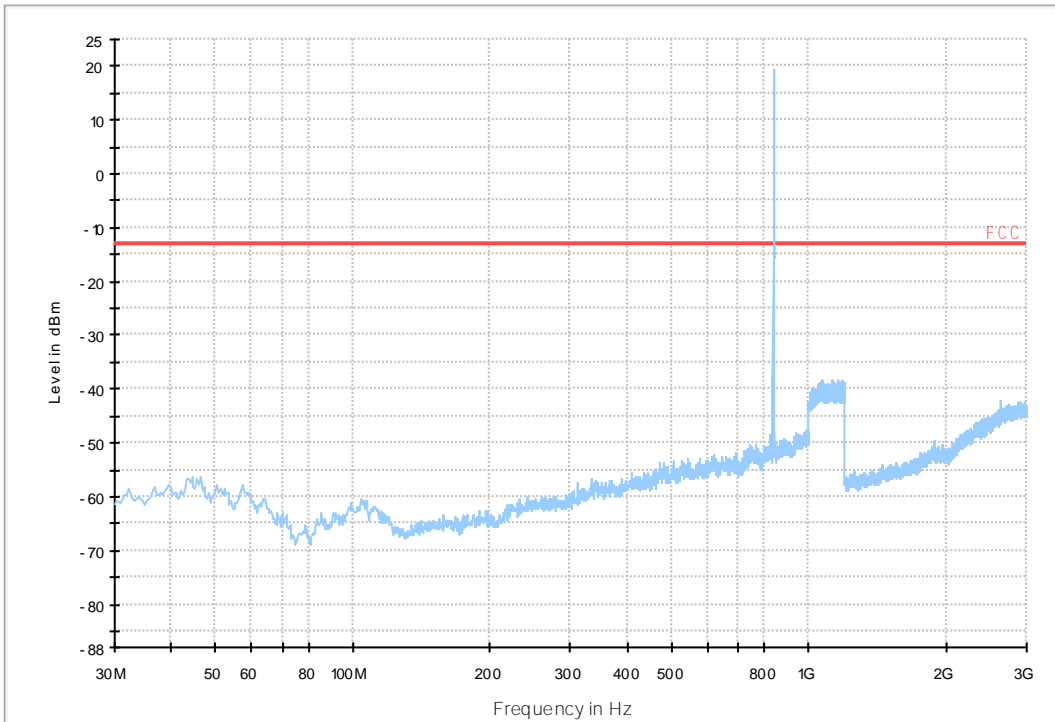


### 7.1.1.2 Test Bandwidth = 5

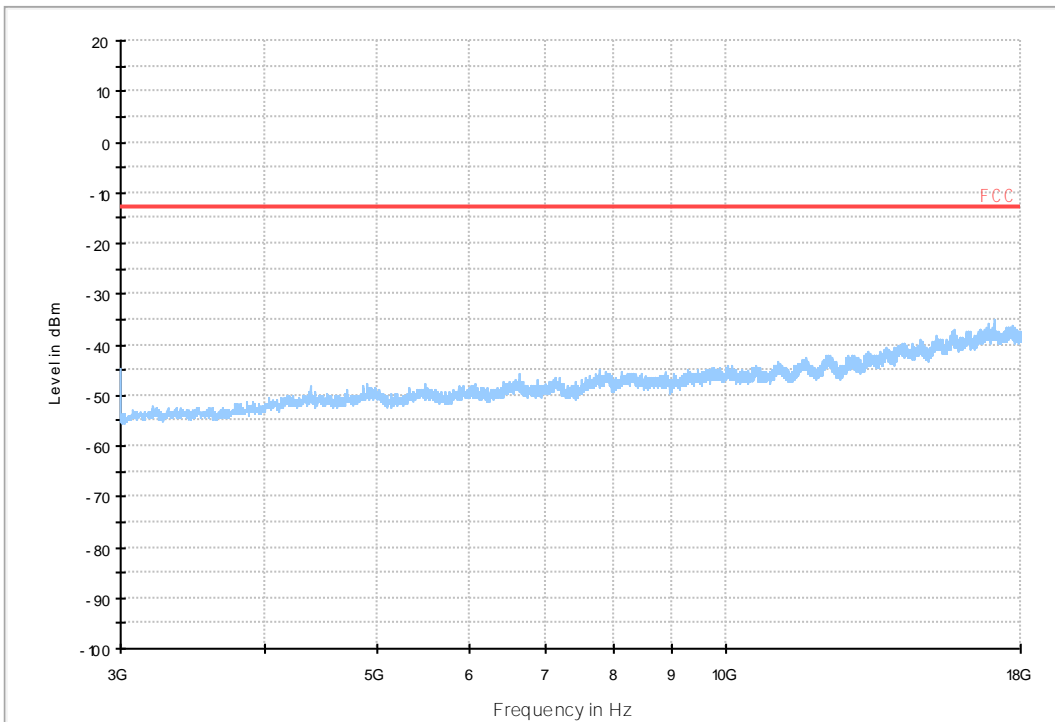




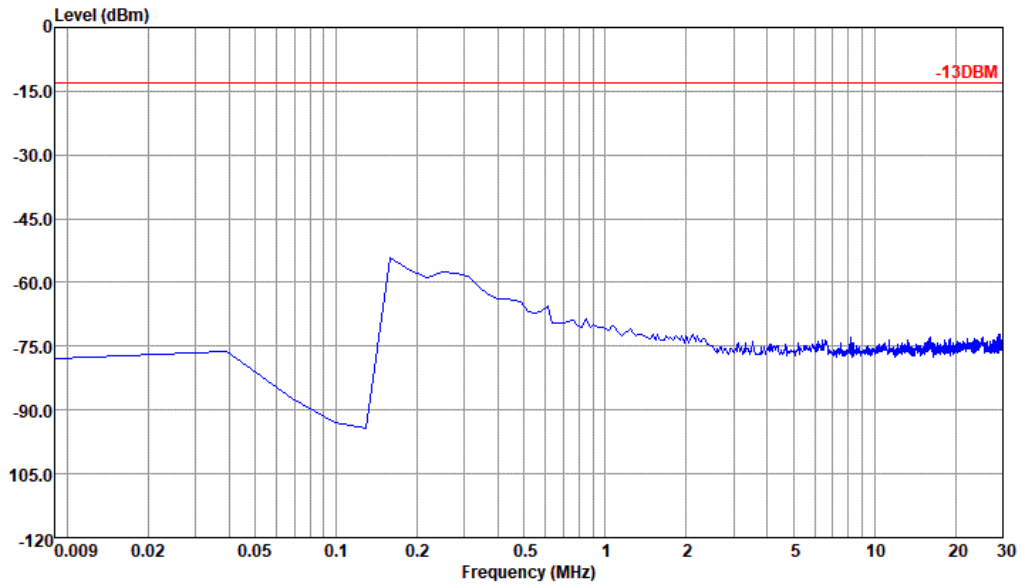
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H

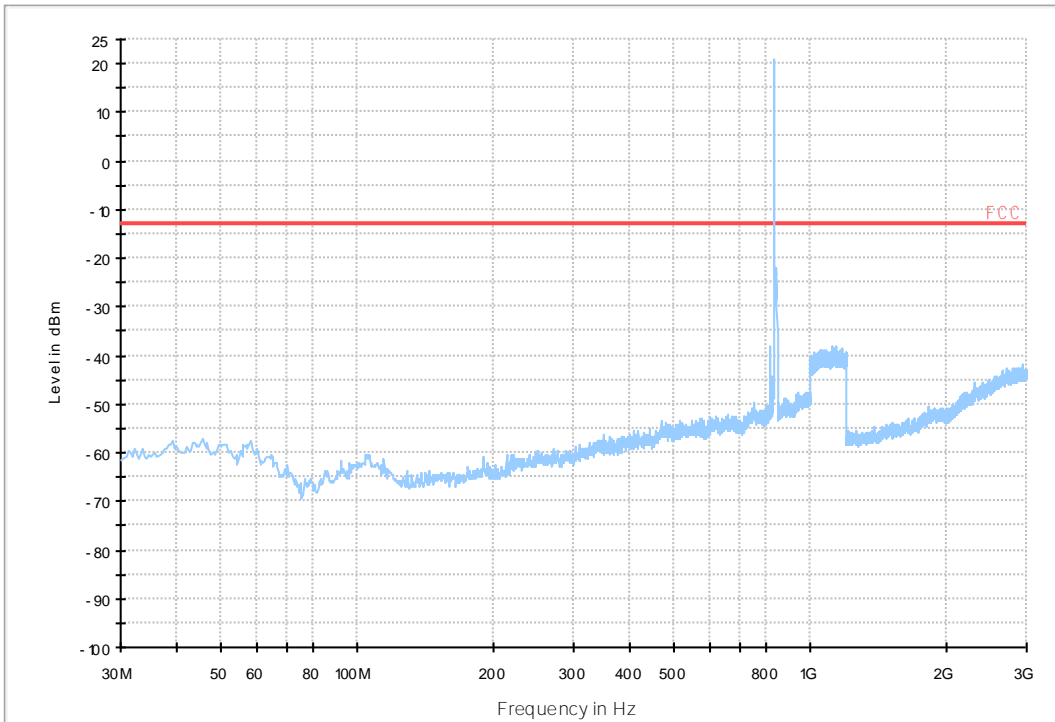


### 7.1.1.3 Test Bandwidth = 15

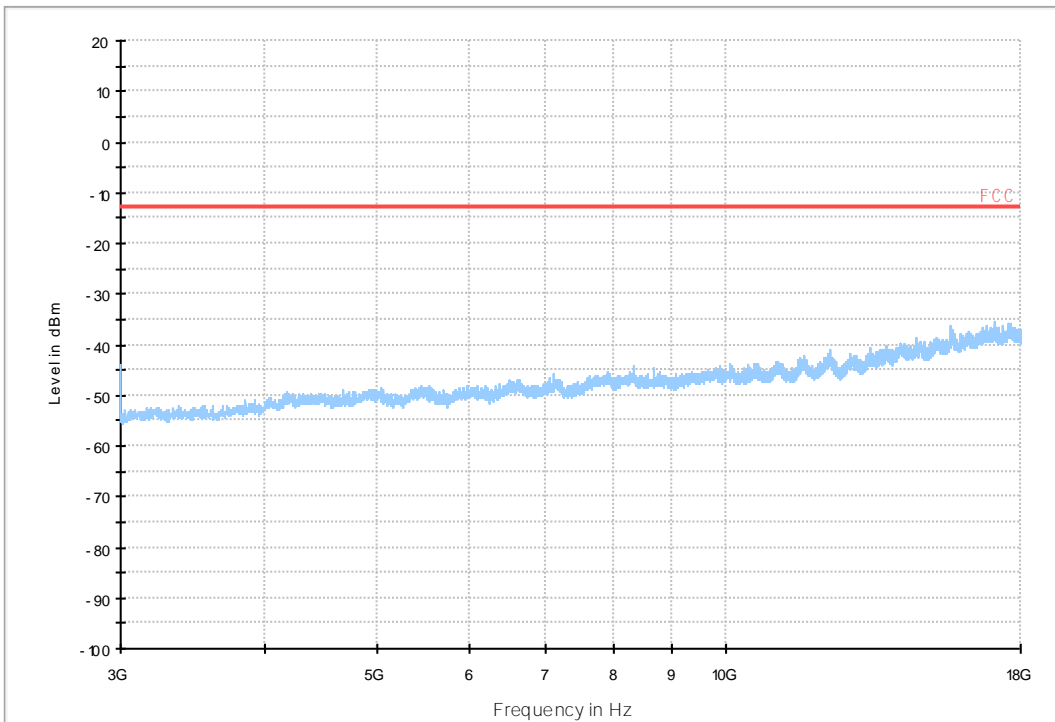




LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



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	9.28	0.01125	PASS
					VN	-5.68	-0.00689	PASS
					VH	-8.04	-0.00975	PASS
			MCH	TN	VL	4.18	0.005	PASS
					VN	-2.15	-0.00257	PASS
					VH	-5.35	-0.0064	PASS
			HCH	TN	VL	-2.43	-0.00286	PASS
					VN	-4.58	-0.0054	PASS
					VH	6.77	0.00798	PASS
		3	LCH	TN	VL	-2.09	-0.00253	PASS
					VN	2.92	0.00354	PASS
					VH	4.88	0.00591	PASS
			MCH	TN	VL	-2.69	-0.00322	PASS
					VN	-8.68	-0.01038	PASS
					VH	0.73	0.00087	PASS
			HCH	TN	VL	-10.89	-0.01285	PASS
					VN	-8.15	-0.00962	PASS
					VH	-3.02	-0.00356	PASS
		5	LCH	TN	VL	-2.52	-0.00305	PASS
					VN	1.52	0.00184	PASS
					VH	0.41	0.0005	PASS
			MCH	TN	VL	5.91	0.00707	PASS
					VN	-0.79	-0.00094	PASS
					VH	4.91	0.00587	PASS
			HCH	TN	VL	-1.24	-0.00146	PASS
					VN	-2.66	-0.00314	PASS
					VH	-0.77	-0.00091	PASS
10	LCH	TN	VL	-0.59	-0.00071	PASS		
			VN	1.99	0.0024	PASS		
			VH	-0.9	-0.00109	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	-0.27	-0.00032	PASS	
					VN	-1.13	-0.00135	PASS	
					VH	4.05	0.00484	PASS	
			HCH	TN	VL	2.13	0.00252	PASS	
					VN	2.68	0.00318	PASS	
					VH	1.04	0.00123	PASS	
		15	LCH	TN	VL	-0.2	-0.00024	PASS	
					VN	2.8	0.00337	PASS	
					VH	-0.43	-0.00052	PASS	
			MCH	TN	VL	2.05	0.00245	PASS	
					VN	1.57	0.00188	PASS	
					VH	-0.46	-0.00055	PASS	
		HCH	TN	VL	2.15	0.00255	PASS		
				VN	-5.19	-0.00617	PASS		
				VH	3.05	0.00362	PASS		
		LTE/TM2	1.4	LCH	TN	VL	16.15	0.01958	PASS
						VN	17.22	0.02088	PASS
						VH	1.04	0.00126	PASS
	MCH			TN	VL	-4.49	-0.00537	PASS	
					VN	16.14	0.01929	PASS	
					VH	-9.08	-0.01085	PASS	
	HCH			TN	VL	-1.17	-0.00138	PASS	
					VN	1.07	0.00126	PASS	
					VH	-12.87	-0.01517	PASS	
	3		LCH	TN	VL	-2.16	-0.00262	PASS	
					VN	15.42	0.01868	PASS	
					VH	-3.25	-0.00394	PASS	
			MCH	TN	VL	2.96	0.00354	PASS	
					VN	-2.99	-0.00357	PASS	
					VH	2.76	0.0033	PASS	
	HCH		TN	VL	-1.43	-0.00169	PASS		
				VN	-3.49	-0.00412	PASS		
				VH	11.79	0.01391	PASS		
	5	LCH	TN	VL	-1.12	-0.00136	PASS		
				VN	-0.46	-0.00056	PASS		
				VH	0.73	0.00088	PASS		
		MCH	TN	VL	2.86	0.00342	PASS		
	VN	6.79	0.00812	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	HCH	TN	VH	-1.07	-0.00128	PASS
					VL	1.86	0.0022	PASS
					VN	1.75	0.00207	PASS
			VH	-2.49	-0.00294	PASS		
			LCH	TN	VL	2.05	0.00245	PASS
					VN	1.57	0.00188	PASS
		VH			-0.46	-0.00055	PASS	
		MCH	TN	VL	9.11	0.01089	PASS	
				VN	-7.08	-0.00846	PASS	
				VH	-1.3	-0.00155	PASS	
		HCH	TN	VL	-0.03	-0.00004	PASS	
				VN	1.24	0.00147	PASS	
				VH	0.29	0.00034	PASS	
		15	LCH	TN	VL	-0.62	-0.00075	PASS
					VN	-1.66	-0.002	PASS
					VH	1.14	0.00137	PASS
			MCH	TN	VL	1.87	0.00224	PASS
					VN	0.66	0.00079	PASS
					VH	2.73	0.00326	PASS
			HCH	TN	VL	-4.39	-0.00522	PASS
					VN	-11.67	-0.01387	PASS
VH	-13.26				-0.01576	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	11.1	0.01346	PASS
					-20	-9.6	-0.01164	PASS
					-10	4.71	0.00571	PASS
					0	7.38	0.00895	PASS
					10	4.33	0.00525	PASS
					20	-8.84	-0.01072	PASS
					30	4.61	0.00559	PASS
					40	5.45	0.00661	PASS
					50	-5.51	-0.00668	PASS
			MCH	VN	-30	-1.32	-0.00158	PASS
					-20	-10.8	-0.01291	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-1.14	-0.00136	PASS
					0	3.56	0.00426	PASS
					10	1.09	0.0013	PASS
					20	-23.03	-0.02753	PASS
					30	16.12	0.01927	PASS
					40	7.94	0.00949	PASS
					50	10.11	0.01209	PASS
			HCH	VN	-30	1.5	0.00177	PASS
					-20	10.27	0.01211	PASS
					-10	-1.26	-0.00149	PASS
					0	3.81	0.00449	PASS
					10	10.23	0.01206	PASS
					20	11.09	0.01307	PASS
					30	-6.87	-0.0081	PASS
		3	LCH	VN	40	2.6	0.00306	PASS
					50	-6.95	-0.00819	PASS
					-30	-6.82	-0.00826	PASS
					-20	-6.07	-0.00735	PASS
					-10	-0.3	-0.00036	PASS
					0	11.03	0.01336	PASS
					10	-6.87	-0.00832	PASS
			MCH	VN	20	0.82	0.00099	PASS
					30	-7.1	-0.0086	PASS
					40	-3.5	-0.00424	PASS
					50	1.7	0.00206	PASS
					-30	-4.21	-0.00503	PASS
					-20	0.63	0.00075	PASS
					-10	1.69	0.00202	PASS
		HCH	VN	0	2.59	0.0031	PASS	
				10	4.06	0.00485	PASS	
				20	0.93	0.00111	PASS	
				30	0.77	0.00092	PASS	
				40	-1.4	-0.00167	PASS	
				50	3.48	0.00416	PASS	
				-30	3.82	0.00451	PASS	
		-20	3.5	0.00413	PASS			
		-10	-0.21	-0.00025	PASS			
		0	-1.7	-0.00201	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-1.36	-0.0016	PASS		
					20	5.29	0.00624	PASS		
					30	7.17	0.00846	PASS		
					40	2.56	0.00302	PASS		
					50	0.79	0.00093	PASS		
		5	LCH	VN	-30	0.01	0.00001	PASS		
					-20	-2.02	-0.00244	PASS		
					-10	-0.86	-0.00104	PASS		
					0	-0.5	-0.0006	PASS		
					10	1.06	0.00128	PASS		
					20	-1.65	-0.002	PASS		
					30	-1.76	-0.00213	PASS		
					40	-5.09	-0.00616	PASS		
					50	-2.76	-0.00334	PASS		
					MCH	VN	-30	6.69	0.008	PASS
							-20	-27.92	-0.03338	PASS
							-10	5.31	0.00635	PASS
							0	1.53	0.00183	PASS
							10	7.28	0.0087	PASS
							20	5.88	0.00703	PASS
		30	7.12	0.00851			PASS			
		40	5.95	0.00711			PASS			
		HCH	VN	50	35.86	0.04287	PASS			
				-30	-1.39	-0.00164	PASS			
				-20	-3.6	-0.00425	PASS			
				-10	0.33	0.00039	PASS			
				0	-3.86	-0.00456	PASS			
				10	-2.93	-0.00346	PASS			
				20	2.53	0.00299	PASS			
				30	5.04	0.00595	PASS			
10	LCH	VN	40	4.99	0.00589	PASS				
			50	-1.03	-0.00122	PASS				
			-30	3.16	0.00381	PASS				
			-20	0.66	0.0008	PASS				
			-10	1.04	0.00125	PASS				
			0	0.8	0.00097	PASS				
			10	-1.42	-0.00171	PASS				
20	2.89	0.00349	PASS							



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					30	1.23	0.00148	PASS		
					40	2.36	0.00285	PASS		
					50	-0.34	-0.00041	PASS		
			MCH	VN	-30	2.79	0.00334	PASS		
					-20	0.49	0.00059	PASS		
					-10	3.29	0.00393	PASS		
					0	6.44	0.0077	PASS		
					10	19.24	0.023	PASS		
					20	0.2	0.00024	PASS		
					30	1.36	0.00163	PASS		
					40	1.37	0.00164	PASS		
					50	0.16	0.00019	PASS		
					HCH	VN	-30	1.14	0.00135	PASS
							-20	3.25	0.00385	PASS
			-10	3.2			0.00379	PASS		
			0	4.51			0.00534	PASS		
			10	-1.76			-0.00209	PASS		
			20	-2.89			-0.00342	PASS		
			30	1.2			0.00142	PASS		
			40	-7.07			-0.00838	PASS		
			15	LCH	VN	50	0.01	0.00001	PASS	
						-30	-0.47	-0.00057	PASS	
						-20	3.79	0.00456	PASS	
						-10	0.74	0.00089	PASS	
						0	0.24	0.00029	PASS	
						10	-0.37	-0.00044	PASS	
						20	6.04	0.00726	PASS	
						30	0.19	0.00023	PASS	
						40	-0.09	-0.00011	PASS	
				MCH	VN	50	3.65	0.00439	PASS	
						-30	2.6	0.00311	PASS	
						-20	1.29	0.00154	PASS	
-10	0.43	0.00051				PASS				
0	0.77	0.00092				PASS				
10	3.05	0.00365				PASS				
20	2.33	0.00279				PASS				
30	-0.34	-0.00041				PASS				
40	4.69	0.00561				PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
			HCH	VN	50	-0.47	-0.00056	PASS		
					-30	-1.65	-0.00196	PASS		
					-20	-18.38	-0.02184	PASS		
					-10	-10.61	-0.01261	PASS		
					0	-3.75	-0.00446	PASS		
					10	-13.83	-0.01643	PASS		
					20	-13	-0.01545	PASS		
					30	3.69	0.00439	PASS		
					40	5.58	0.00663	PASS		
					50	-1.32	-0.00157	PASS		
	LTE/TM2		1.4	LCH	VN	-30	-5.38	-0.00652	PASS	
						-20	-15.84	-0.01921	PASS	
						-10	-7.62	-0.00924	PASS	
						0	2.79	0.00338	PASS	
						10	13.42	0.01627	PASS	
						20	1.42	0.00172	PASS	
						30	-9.28	-0.01125	PASS	
						40	-1.72	-0.00209	PASS	
						50	-11.07	-0.01342	PASS	
									MCH	VN
		-20	10.77	0.01288	PASS					
		-10	5.18	0.00619	PASS					
		0	-10.51	-0.01256	PASS					
		10	-11.39	-0.01362	PASS					
		20	-12.12	-0.01449	PASS					
		30	-12.04	-0.01439	PASS					
		40	-1.69	-0.00202	PASS					
					HCH	VN	50	17.41	0.02081	PASS
							-30	-20.44	-0.0241	PASS
							-20	0.44	0.00052	PASS
							-10	-6.02	-0.0071	PASS
							0	3.83	0.00451	PASS
							10	-8.37	-0.00987	PASS
20	5.62						0.00663	PASS		
30	-2.72	-0.00321	PASS							
40	-5.69	-0.00671	PASS							
50	4.61	0.00543	PASS							
3		LCH	VN	-30	-2.35	-0.00284	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict						
					-20	-2.55	-0.00309	PASS						
					-10	-2.83	-0.00342	PASS						
					0	-1.22	-0.00148	PASS						
					10	-2.37	-0.00287	PASS						
					20	-2.39	-0.0029	PASS						
					30	-4.61	-0.00558	PASS						
					40	-2.69	-0.00326	PASS						
			50	-3.1	-0.00376	PASS								
			MCH	VN				-30	5.12	0.00612	PASS			
								-20	-3.23	-0.00386	PASS			
								-10	2.47	0.00295	PASS			
								0	1.36	0.00163	PASS			
								10	3.3	0.00395	PASS			
								20	-0.29	-0.00035	PASS			
								30	-2.39	-0.00286	PASS			
			40	2.59		0.0031	PASS							
			50	-0.62		-0.00074	PASS							
			HCH	VN					-30	-0.53	-0.00063	PASS		
									-20	-1.59	-0.00188	PASS		
									-10	-1.52	-0.00179	PASS		
									0	8	0.00944	PASS		
		10							4.45	0.00525	PASS			
		20							3.58	0.00422	PASS			
		30							-5.44	-0.00642	PASS			
		40	-9.26	-0.01093			PASS							
		50	-0.89	-0.00105			PASS							
		5					LCH	VN	-30	-1.63	-0.00197	PASS		
									-20	-2.42	-0.00293	PASS		
									-10	-6.68	-0.00808	PASS		
					0				-2.79	-0.00338	PASS			
					10				-2.35	-0.00284	PASS			
					20				-2.55	-0.00309	PASS			
					30				-2.83	-0.00342	PASS			
					40		-1.22	-0.00148	PASS					
					50		-2.37	-0.00287	PASS					
					MCH		VN				-30	2.79	0.00334	PASS
											-20	-31.96	-0.03821	PASS
											-10	-5.29	-0.00632	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-1.99	-0.00238	PASS
					10	-5.58	-0.00667	PASS
					20	-1.27	-0.00152	PASS
					30	-5.34	-0.00638	PASS
					40	-10.49	-0.01254	PASS
					50	-6.68	-0.00799	PASS
			HCH	VN	-30	2.33	0.00275	PASS
					-20	-0.19	-0.00022	PASS
					-10	-0.82	-0.00097	PASS
					0	-0.99	-0.00117	PASS
					10	0.82	0.00097	PASS
					20	2.05	0.00242	PASS
					30	-1.92	-0.00227	PASS
					40	0.86	0.00102	PASS
					50	-0.3	-0.00035	PASS
		10	LCH	VN	-30	-3.43	-0.00414	PASS
					-20	-3.22	-0.00388	PASS
					-10	0.06	0.00007	PASS
					0	2.55	0.00308	PASS
					10	2.36	0.00285	PASS
					20	2.12	0.00256	PASS
					30	-1.04	-0.00125	PASS
					40	1.23	0.00148	PASS
			MCH	VN	-30	-0.97	-0.00116	PASS
					-20	-2.5	-0.00299	PASS
					-10	-6.37	-0.00762	PASS
					0	-3.68	-0.0044	PASS
					10	-3.93	-0.0047	PASS
					20	-2.4	-0.00287	PASS
					30	-5.01	-0.00599	PASS
HCH	VN	-30	0.33	0.00039	PASS			
		-20	-0.5	-0.00059	PASS			
		-10	-0.14	-0.00017	PASS			
		0	1.59	0.00188	PASS			
		10	0.13	0.00015	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	0.63	0.00075	PASS		
					30	-1.57	-0.00186	PASS		
					40	-0.9	-0.00107	PASS		
					50	-1.9	-0.00225	PASS		
		15	LCH	VN	-30	0.21	0.00025	PASS		
					-20	-1.52	-0.00183	PASS		
					-10	0.39	0.00047	PASS		
					0	-0.31	-0.00037	PASS		
					10	-2.26	-0.00272	PASS		
					20	0.62	0.00075	PASS		
					30	1.65	0.00198	PASS		
					40	0.69	0.00083	PASS		
					50	0.19	0.00023	PASS		
					MCH	VN	-30	1.09	0.0013	PASS
							-20	1	0.0012	PASS
							-10	-1.86	-0.00222	PASS
		0	-2.33	-0.00279			PASS			
		10	-2.46	-0.00294			PASS			
		20	0.39	0.00047			PASS			
		30	0.13	0.00016			PASS			
		40	-3	-0.00359			PASS			
		HCH	VN	-30	1.87	0.00222	PASS			
				-20	-5.92	-0.00704	PASS			
				-10	-3.42	-0.00406	PASS			
				0	-1.37	-0.00163	PASS			
				10	3.3	0.00392	PASS			
				20	7.8	0.00927	PASS			
				30	-0.2	-0.00024	PASS			
40	8.54			0.01015	PASS					
50	9.73	0.01156	PASS							

END