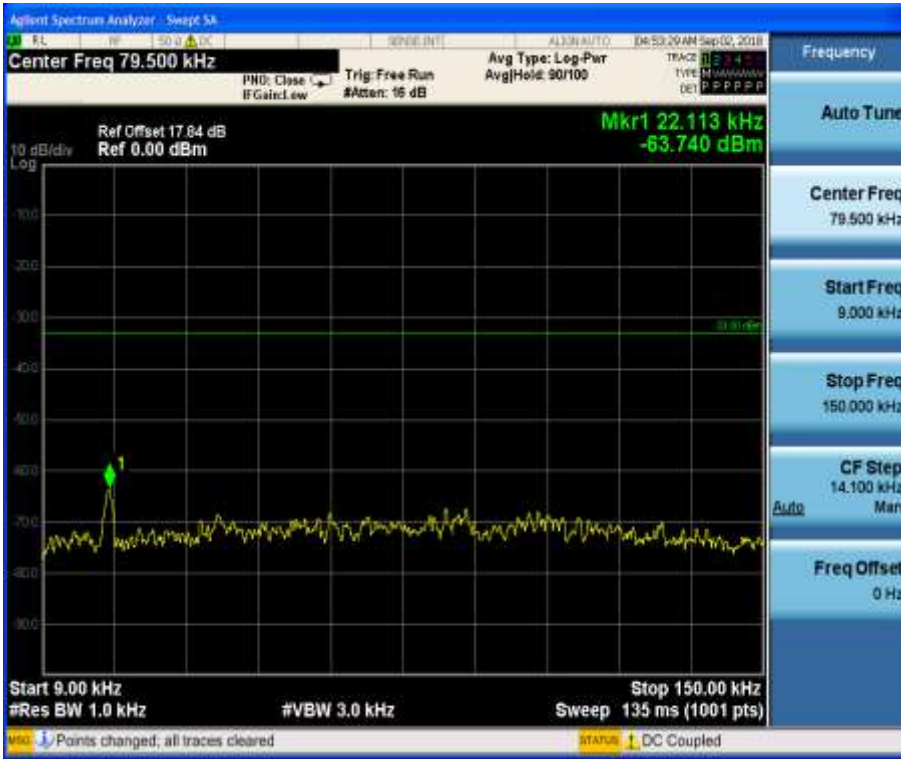
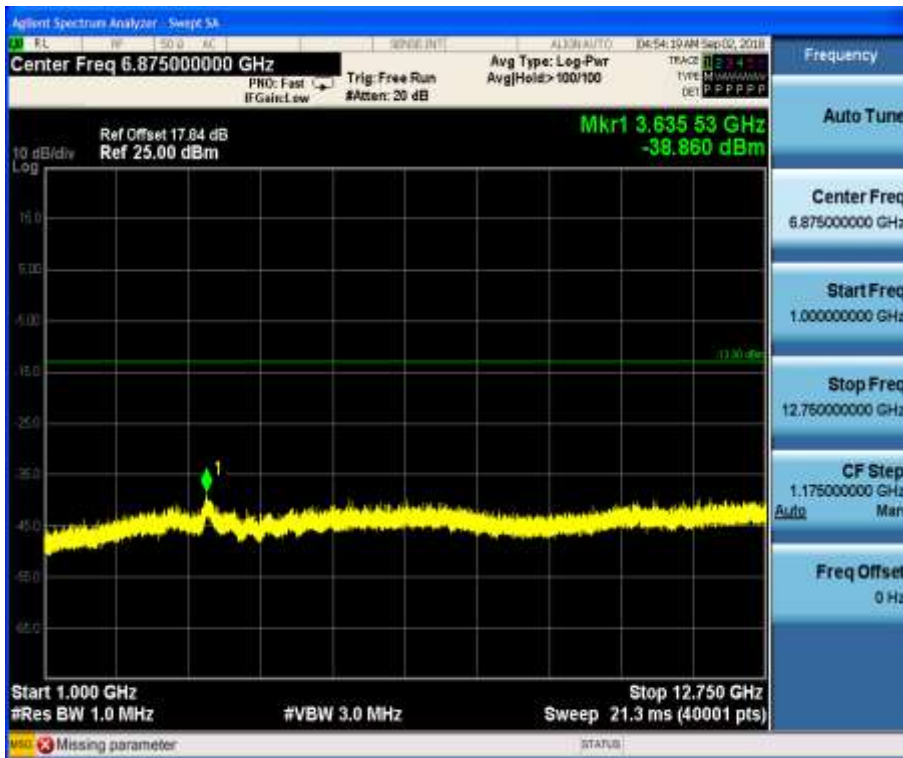
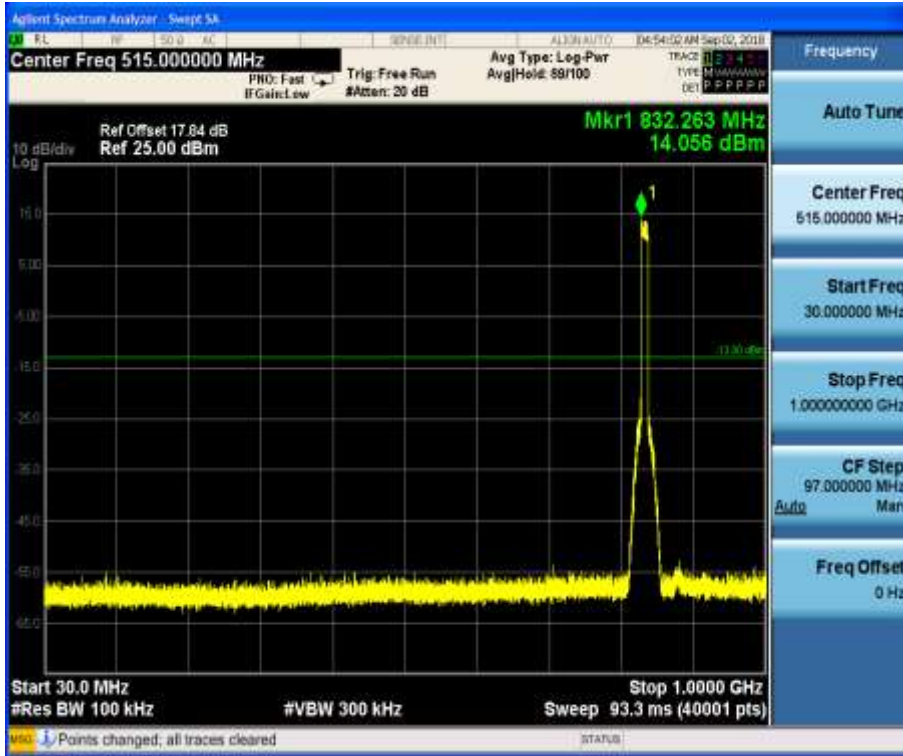




6.2.1.1.4.2 Test Channel = MCH

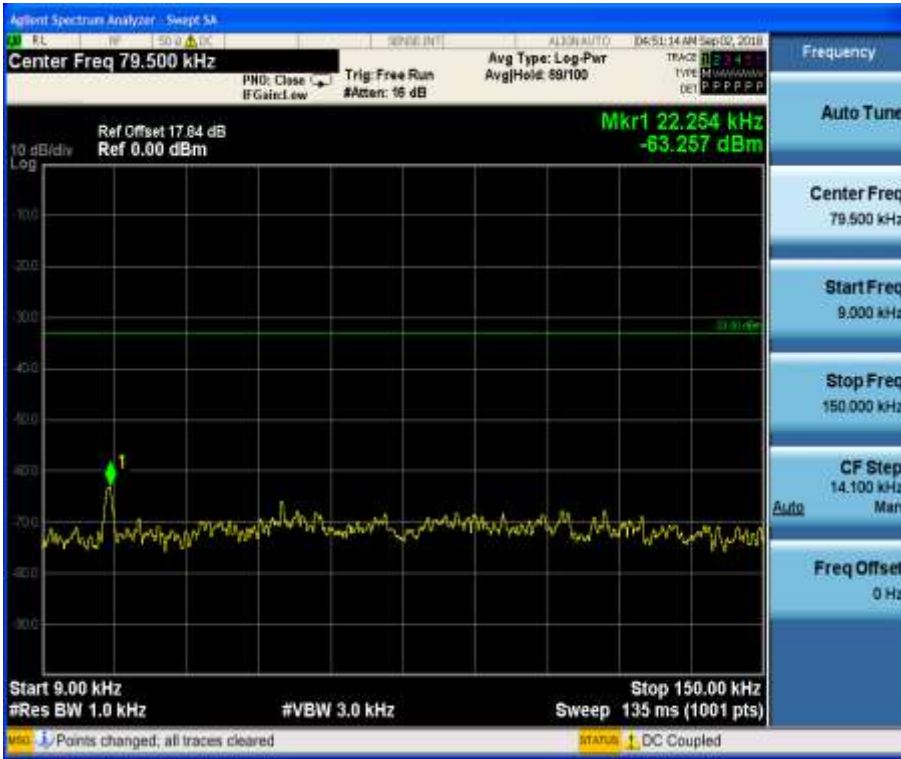
6.2.1.1.4.2.1 Test RB = RB1#0

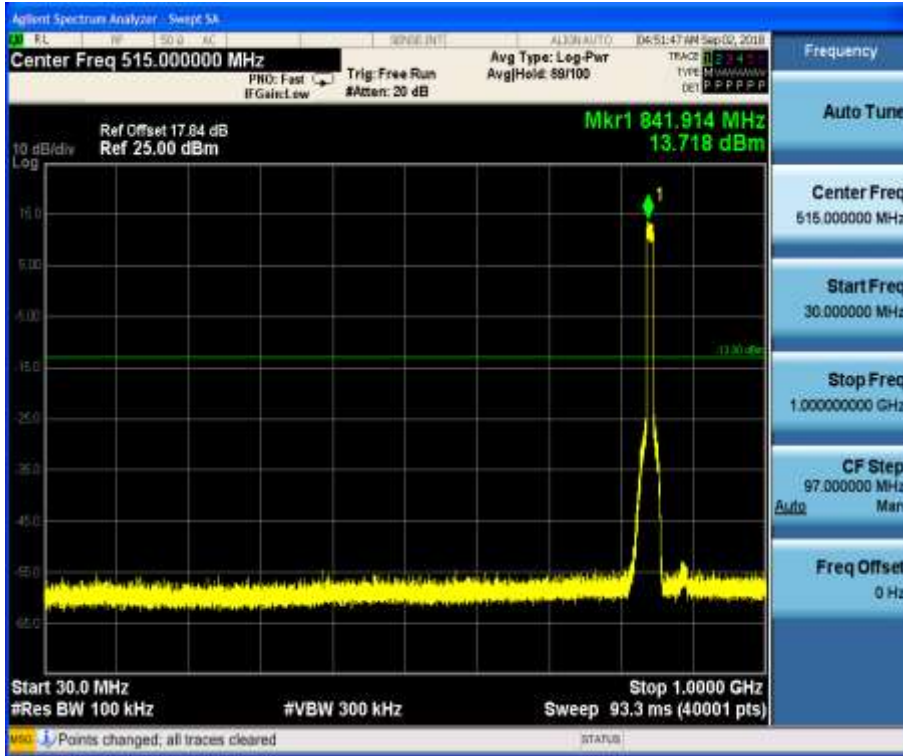




6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0







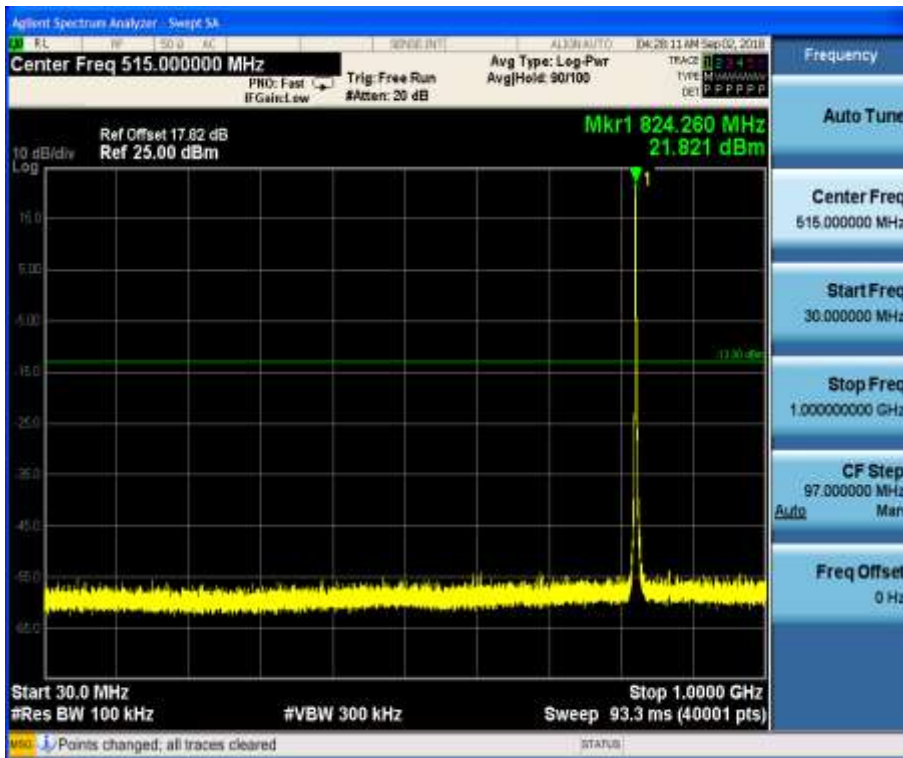
6.2.1.2 Test Mode = LTE/TM2

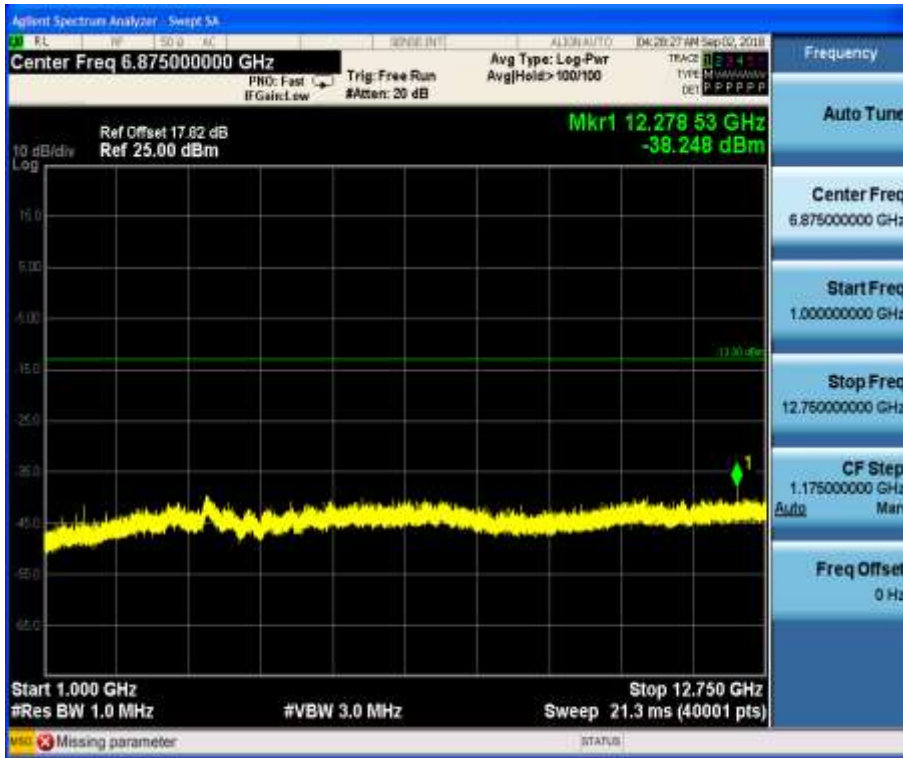
6.2.1.2.1 Test Bandwidth = 1.4

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0





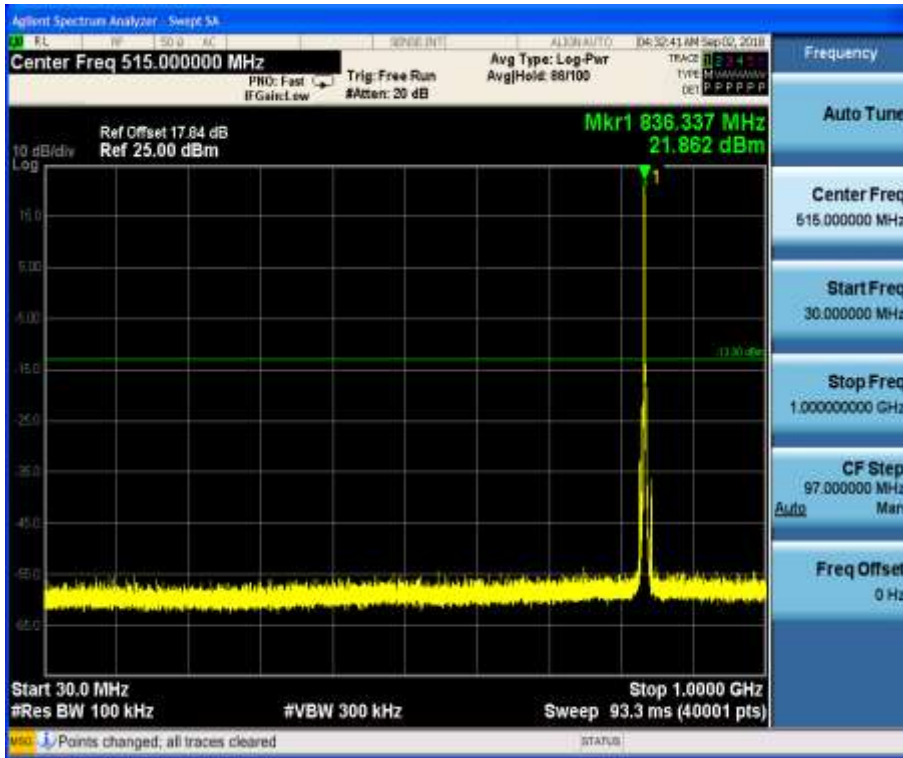




6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0

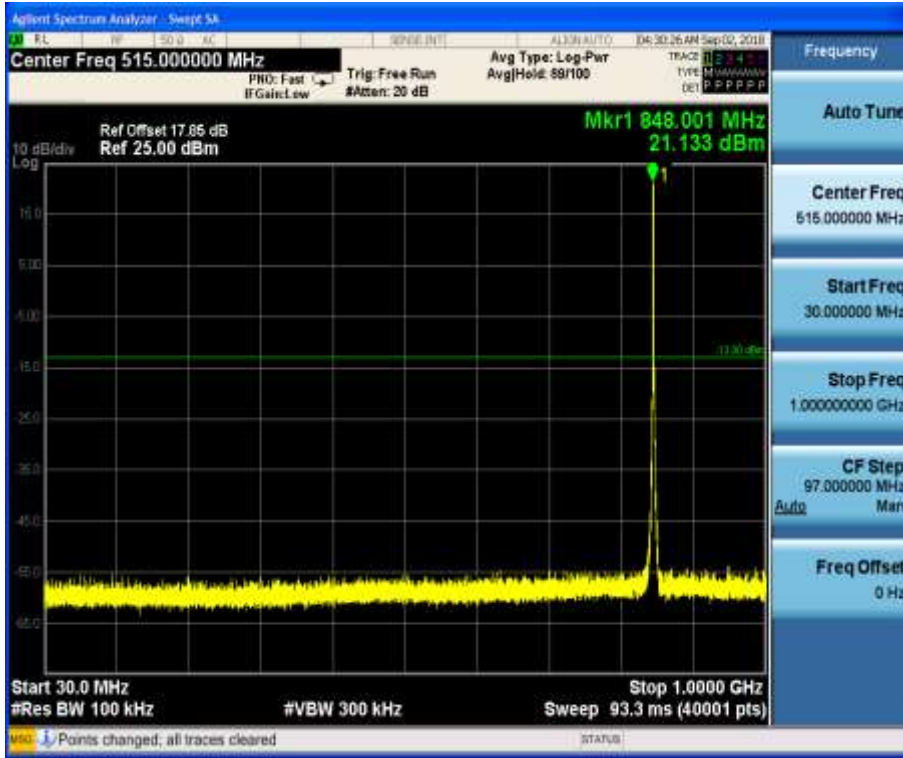




6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0





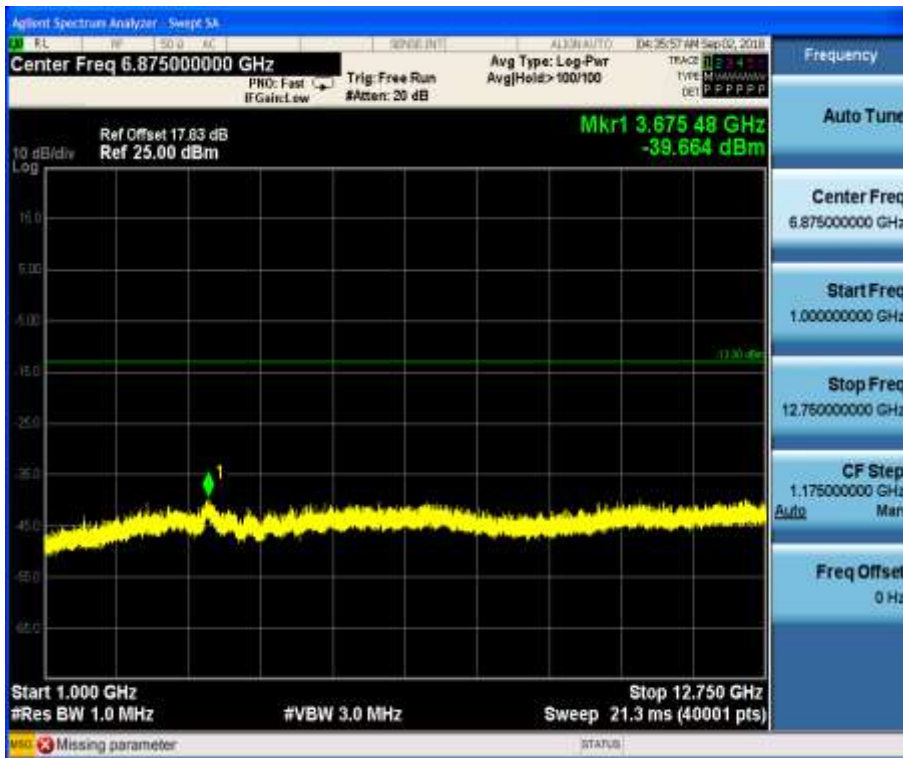
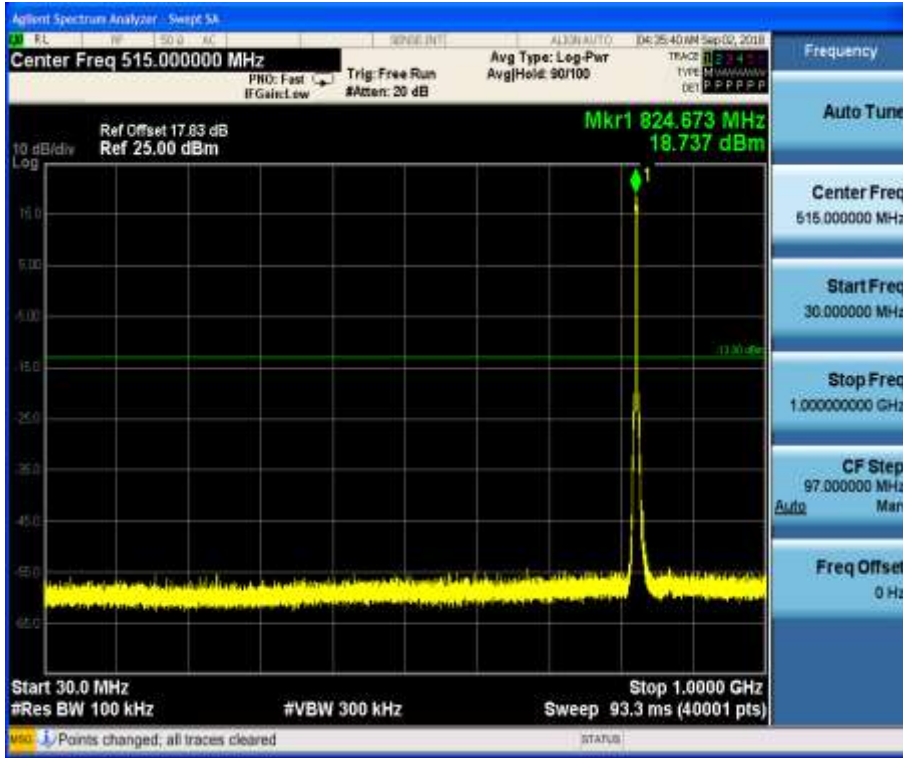


6.2.1.2.2 Test Bandwidth = 3

6.2.1.2.2.1 Test Channel = LCH

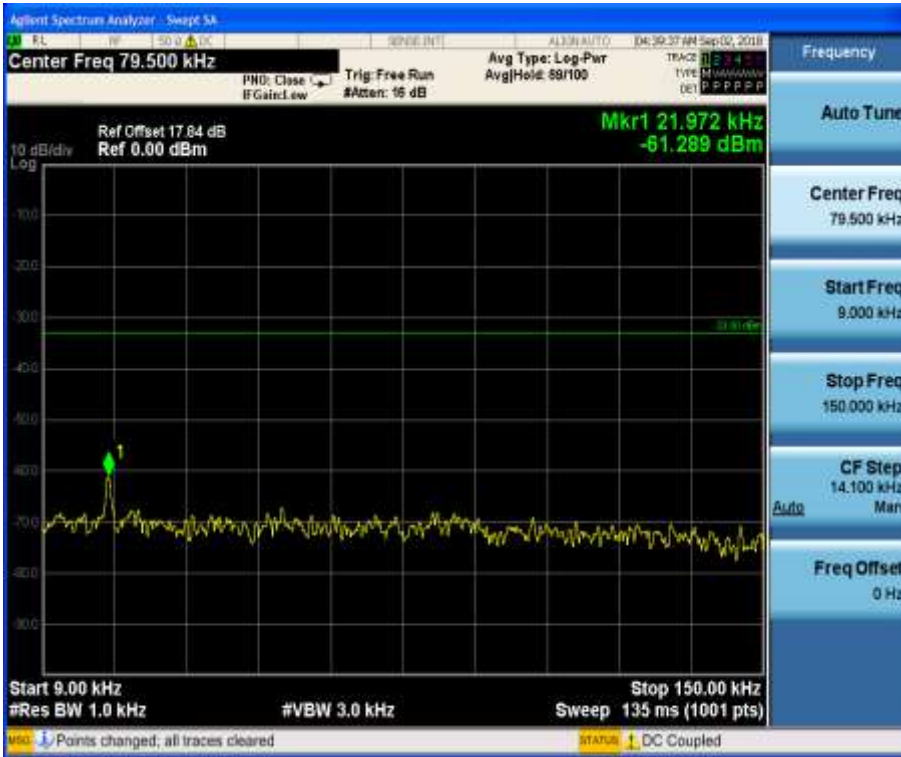
6.2.1.2.2.1.1 Test RB = RB1#0

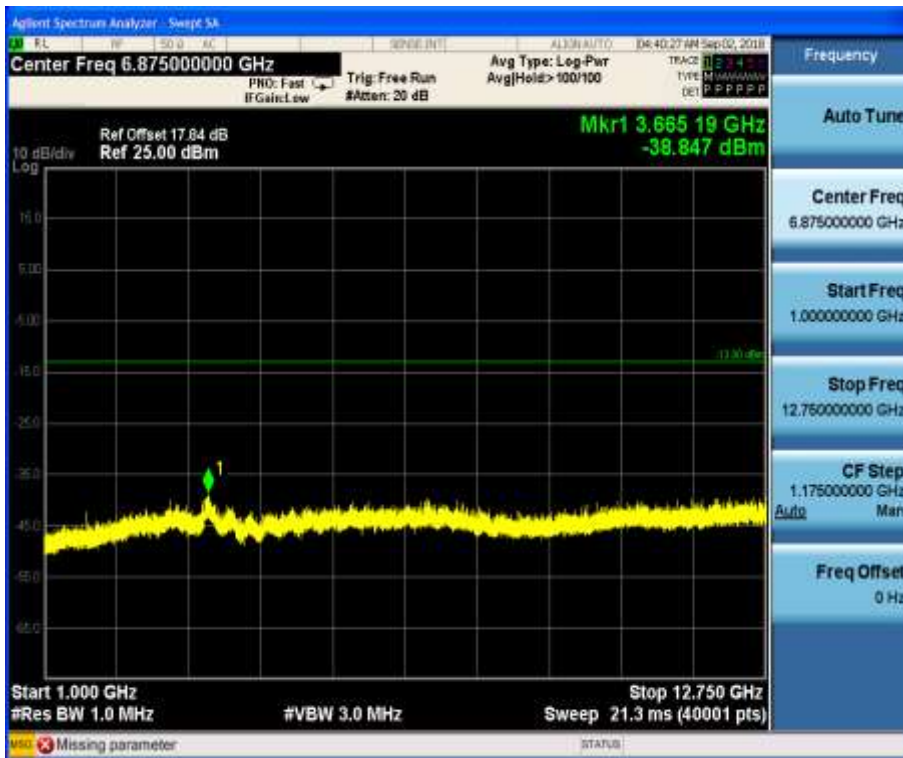
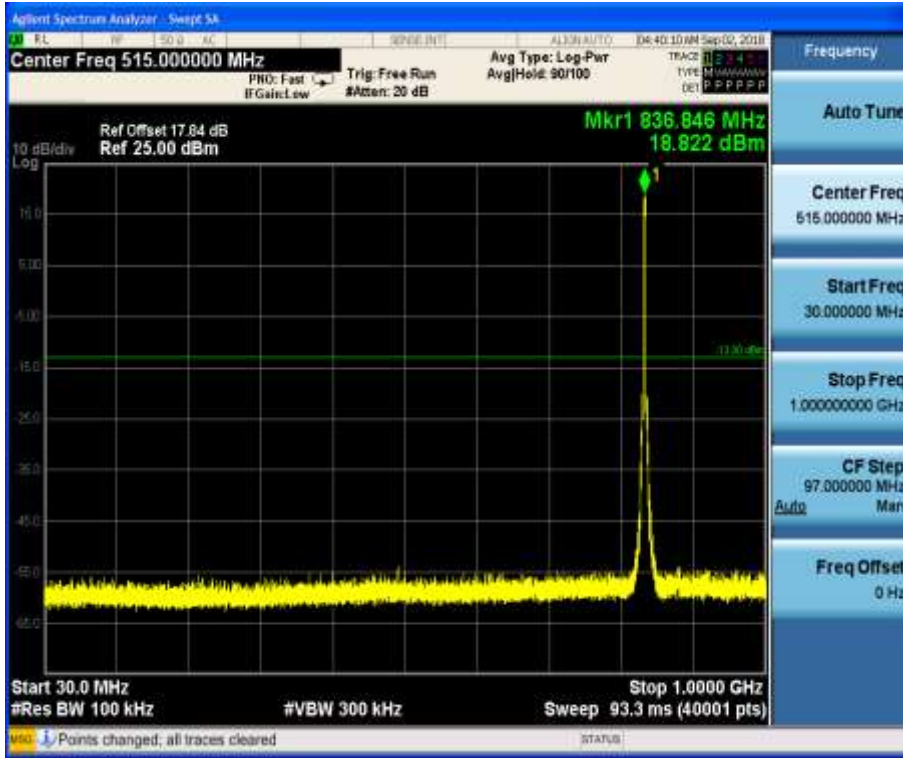




6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.1 Test RB = RB1#0



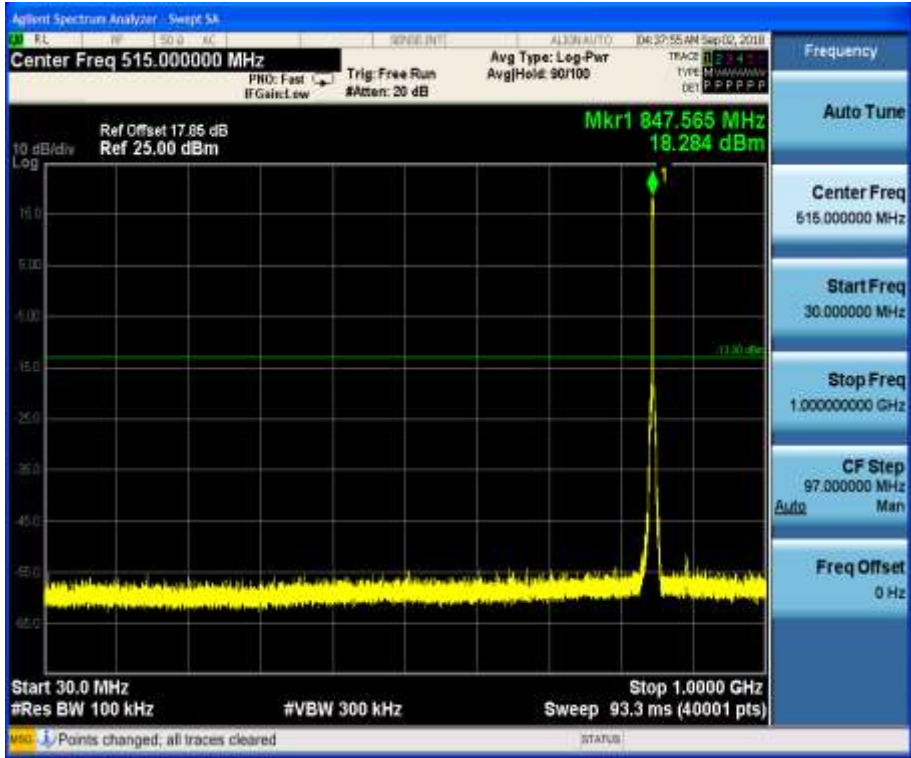




6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0





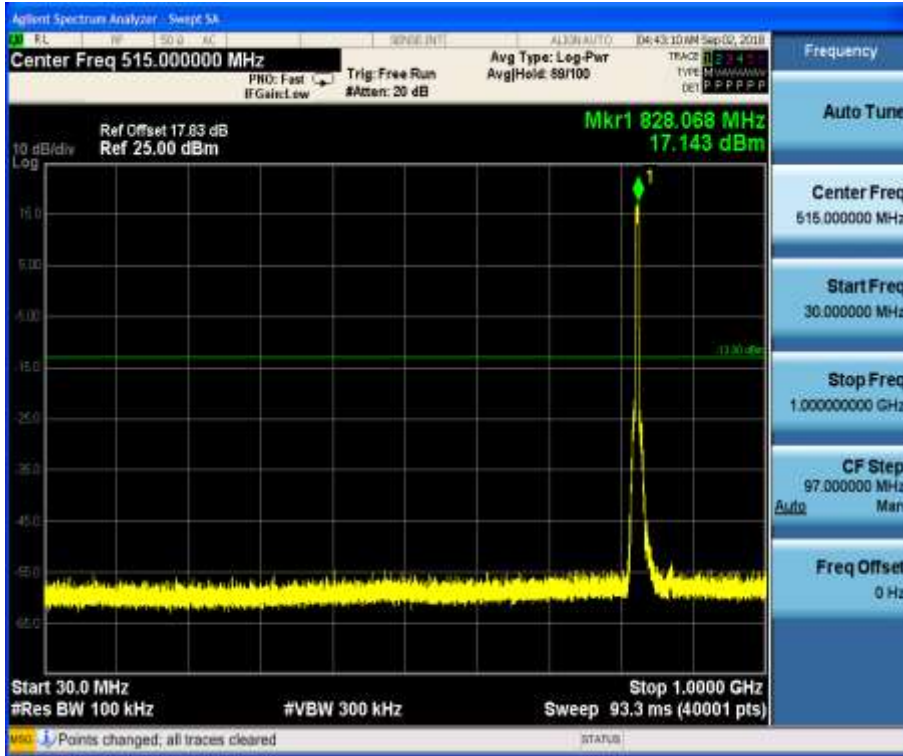


6.2.1.2.3 Test Bandwidth = 5

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0



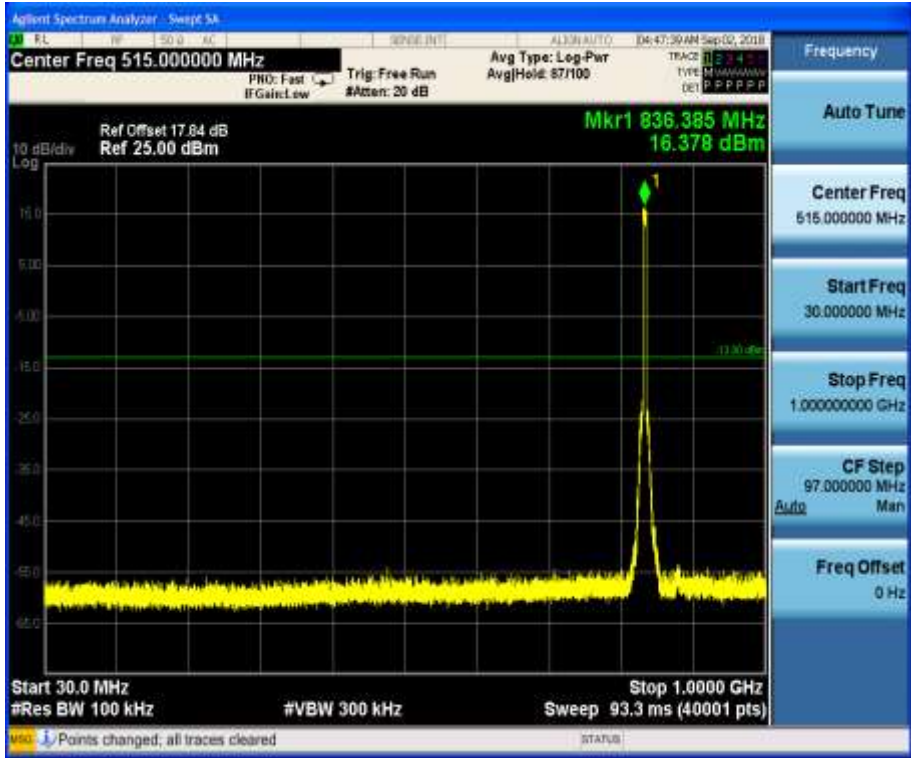




6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0

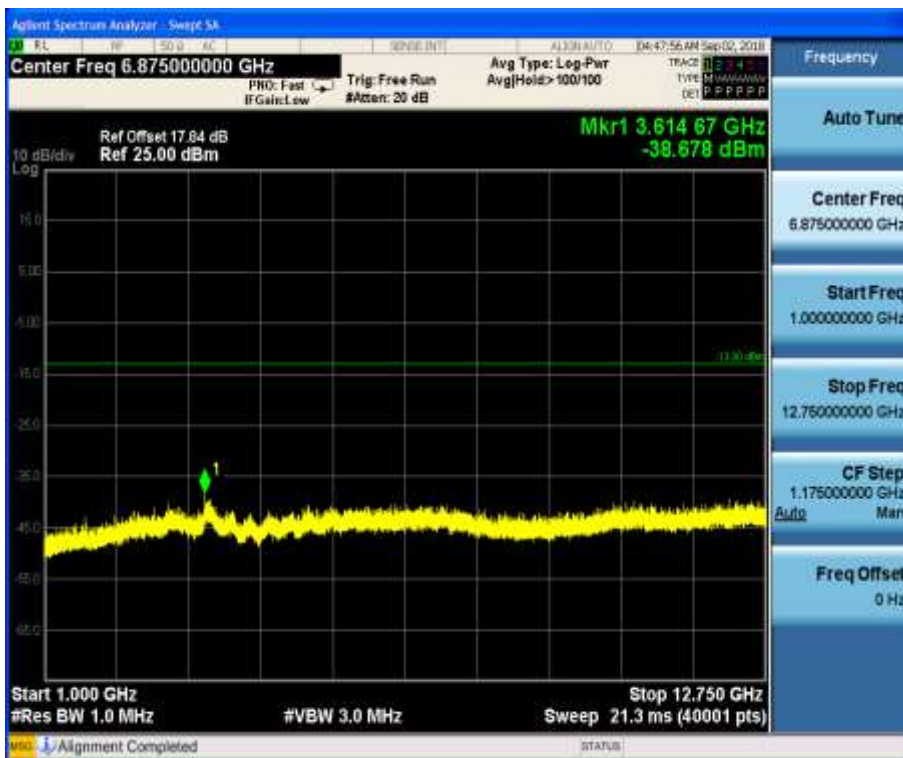
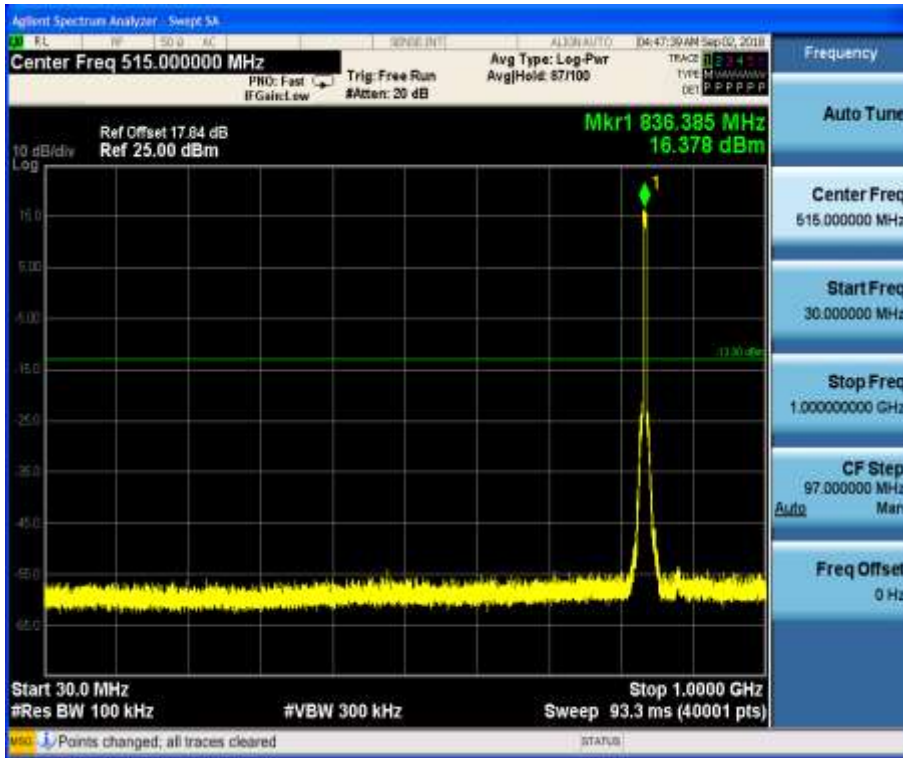




### 6.2.1.2.3.3 Test Channel = HCH

#### 6.2.1.2.3.3.1 Test RB = RB1#0







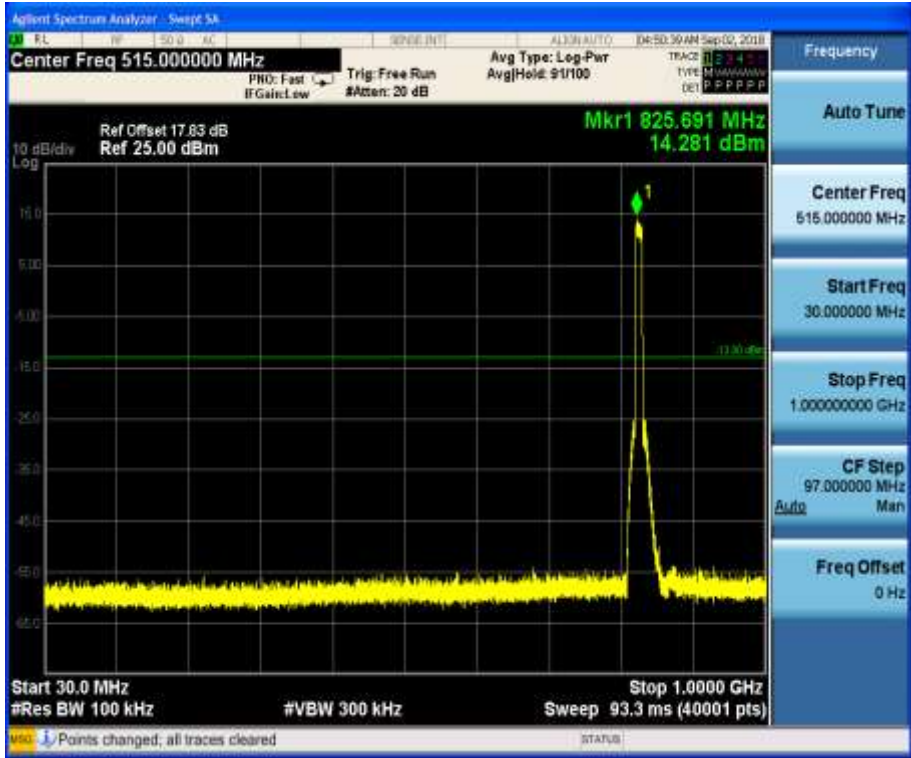


6.2.1.2.4 Test Bandwidth = 10

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

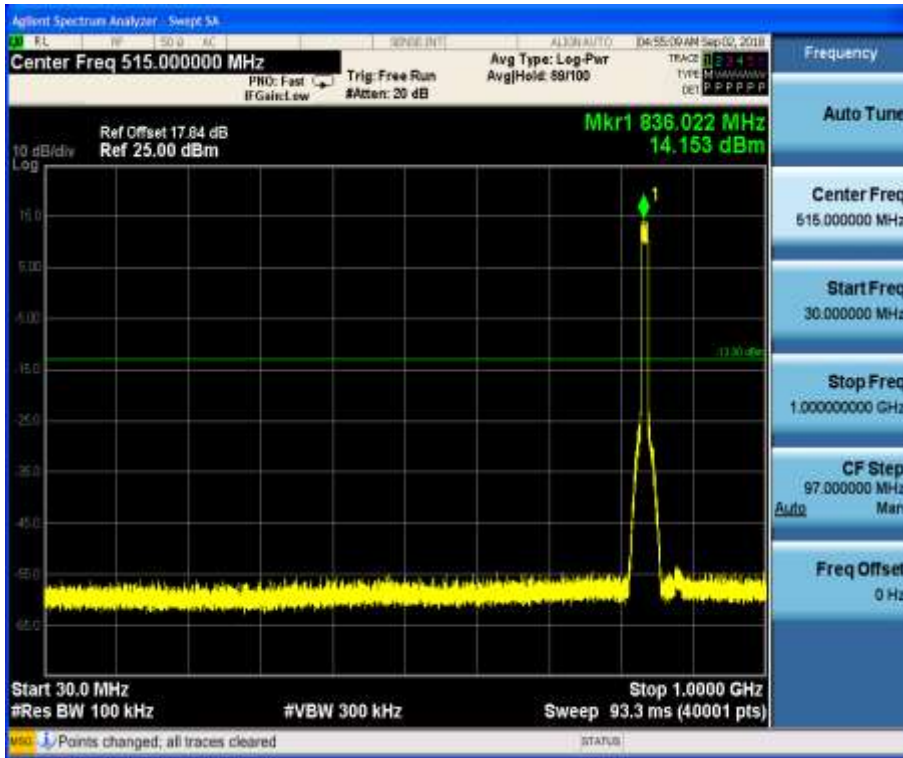




6.2.1.2.4.2 Test Channel = MCH

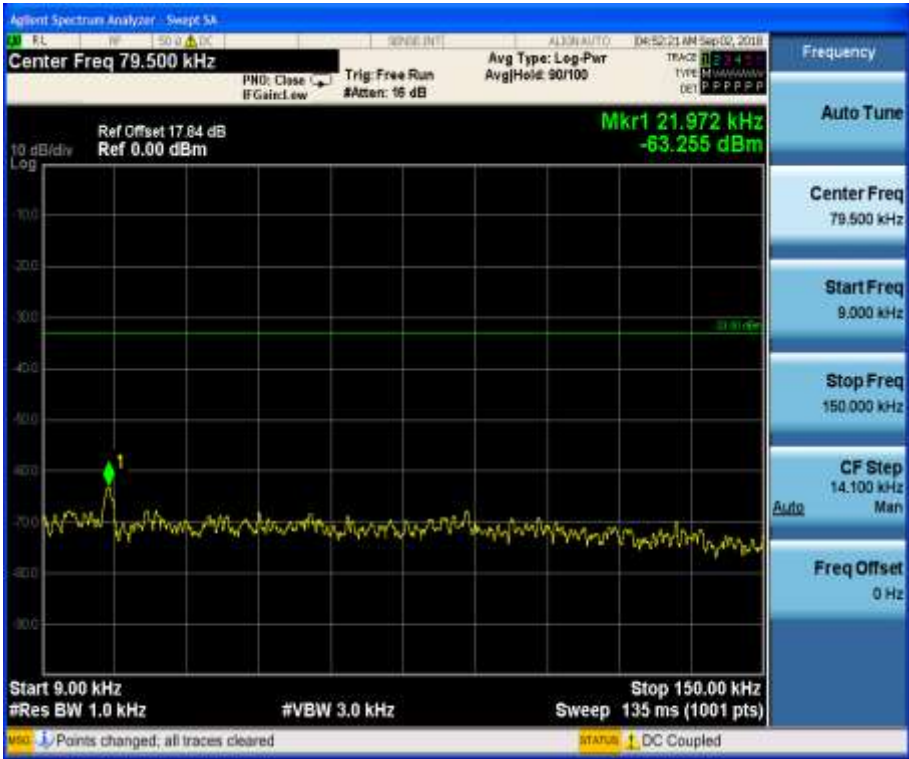
6.2.1.2.4.2.1 Test RB = RB1#0

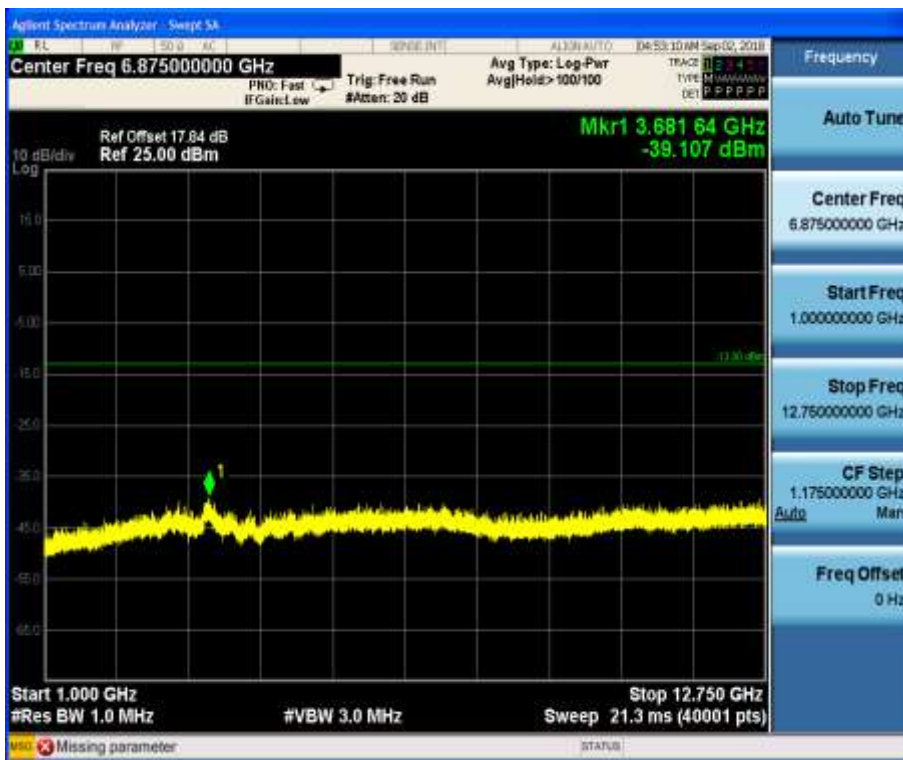
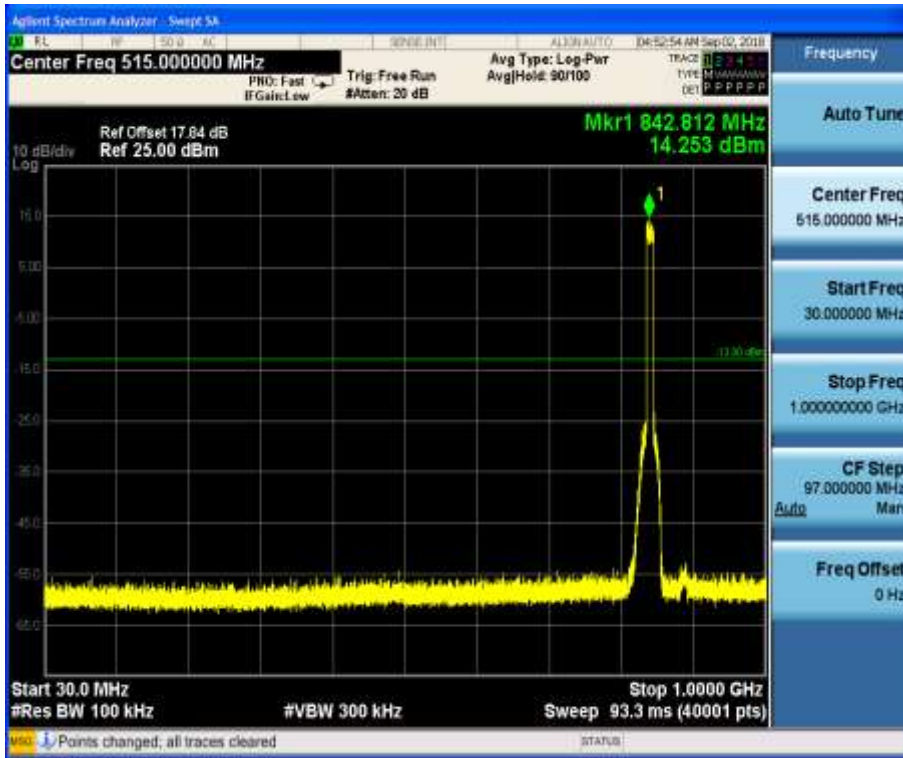




6.2.1.2.4.3 Test Channel = HCH

6.2.1.2.4.3.1 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

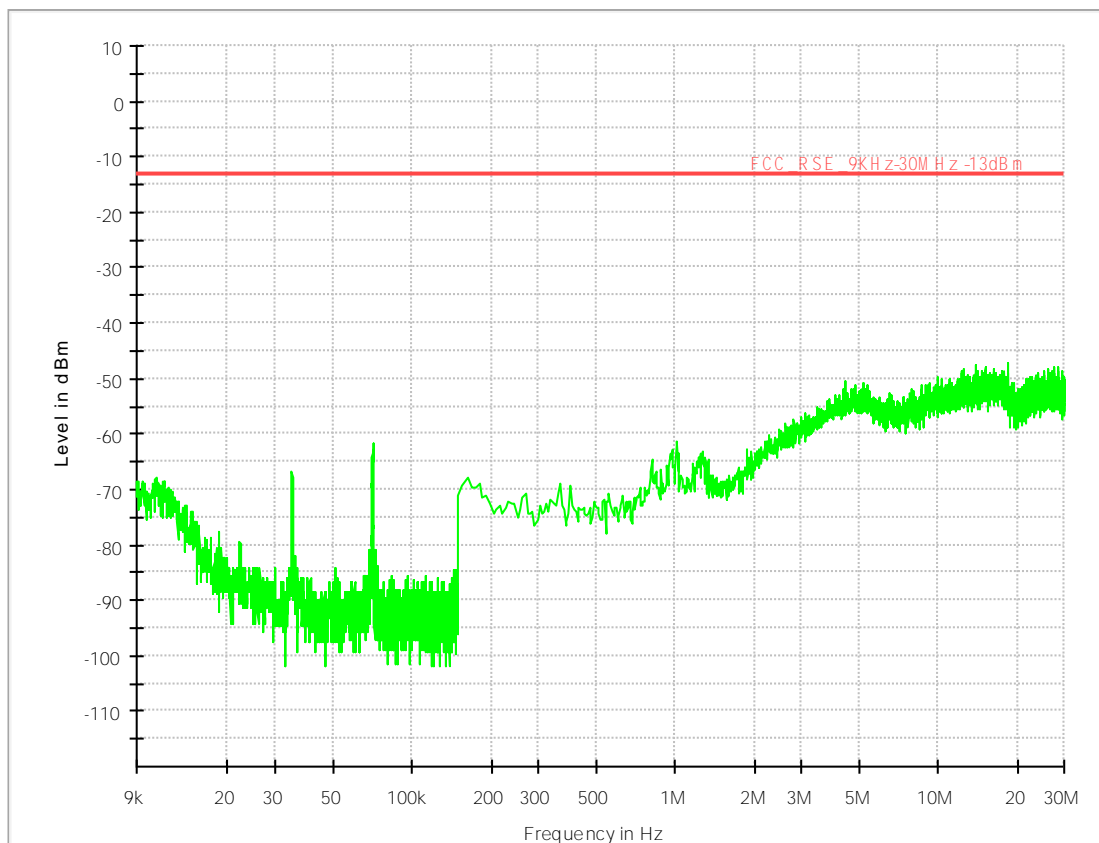
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

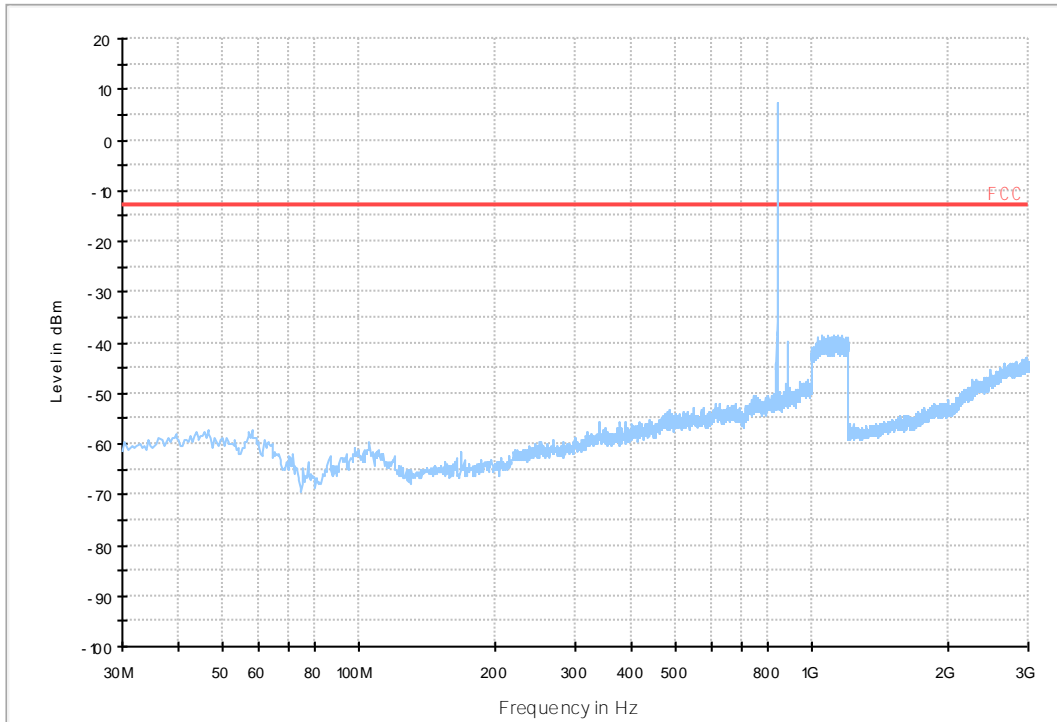
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND5\_ANT1

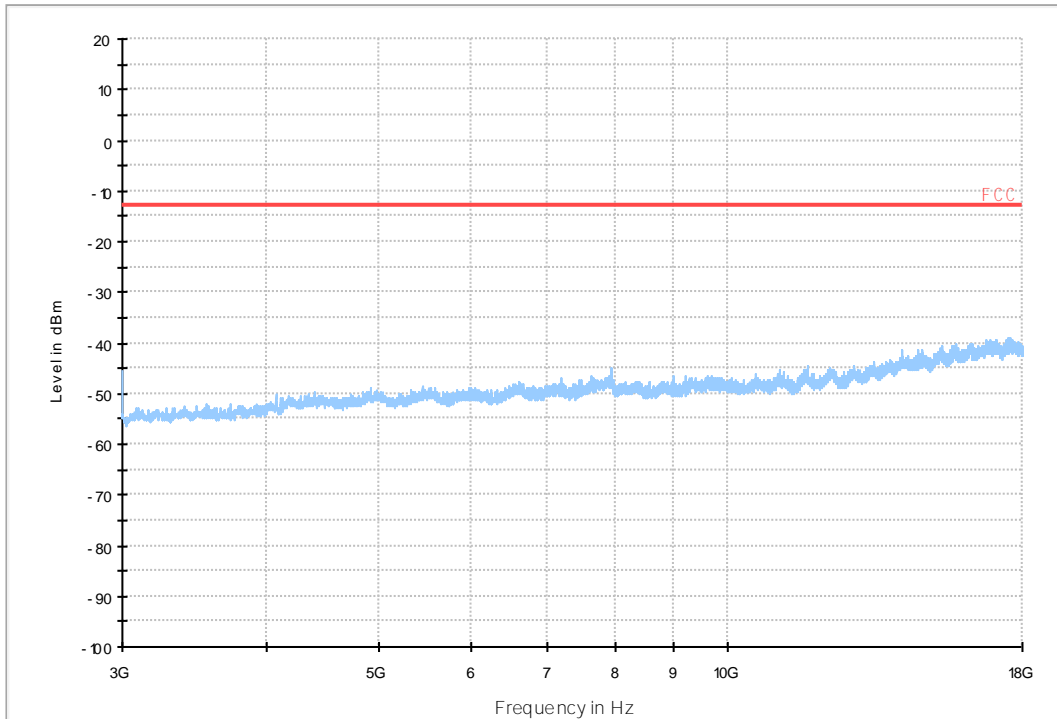
##### 7.1.1.1 Test Bandwidth = 1.4



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



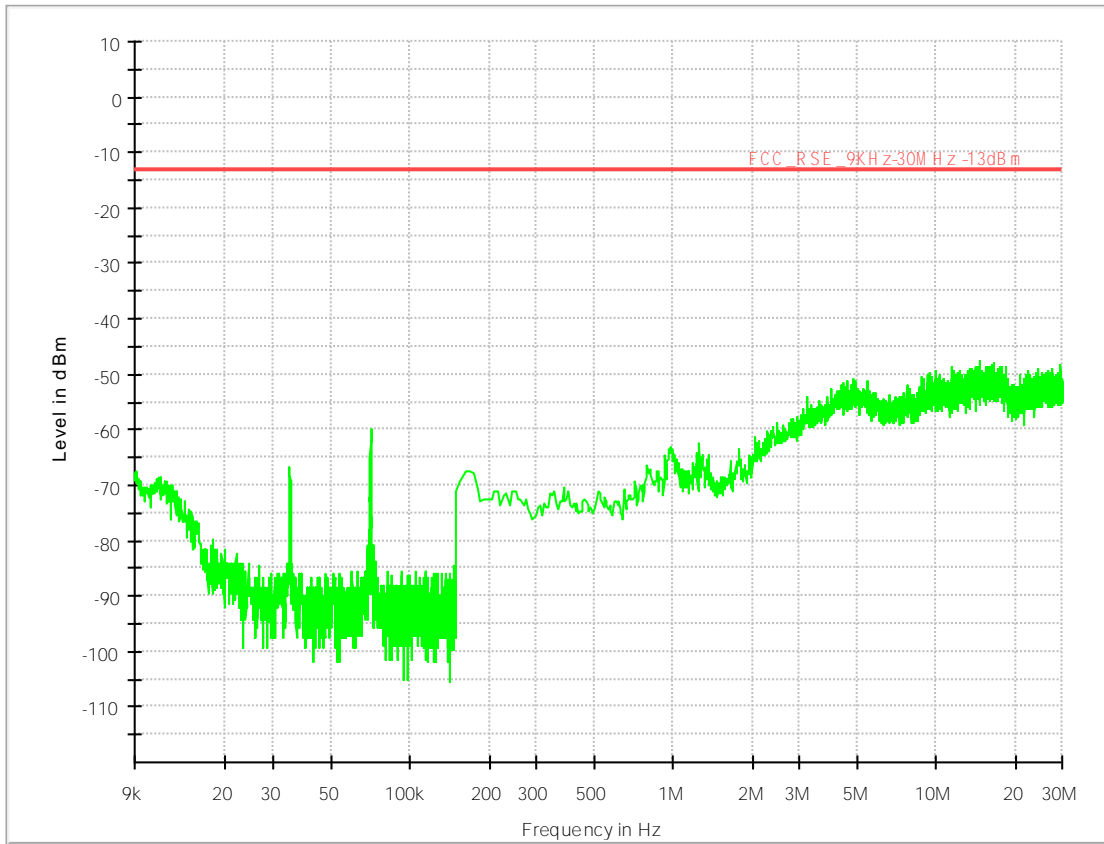
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H





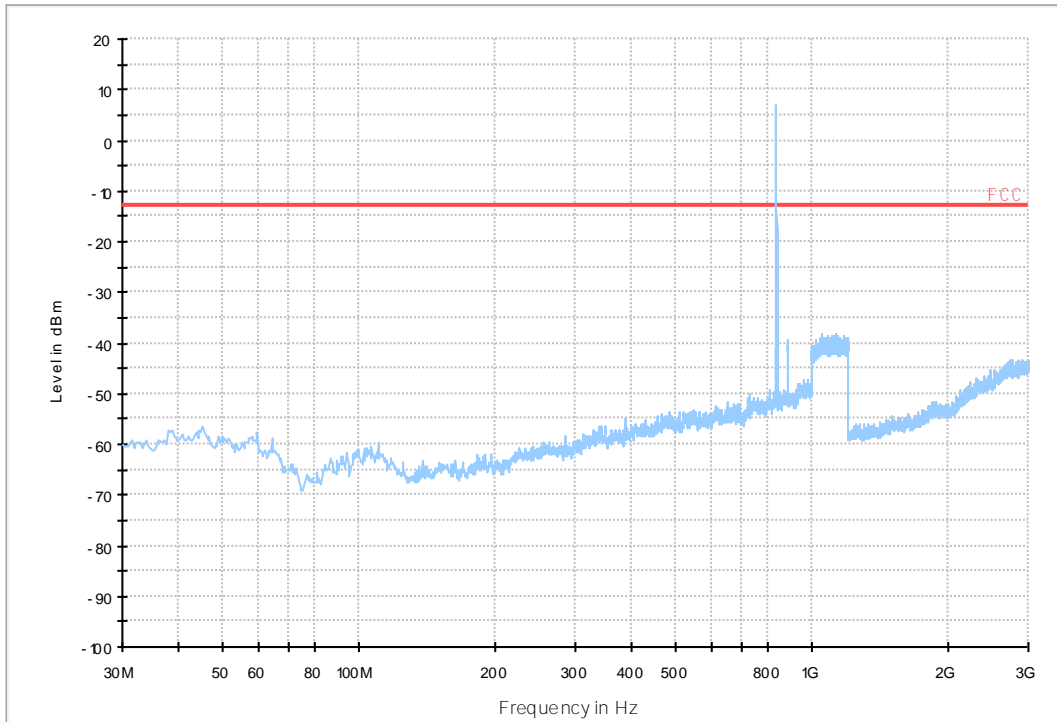


### 7.1.1.2 Test Bandwidth = 5

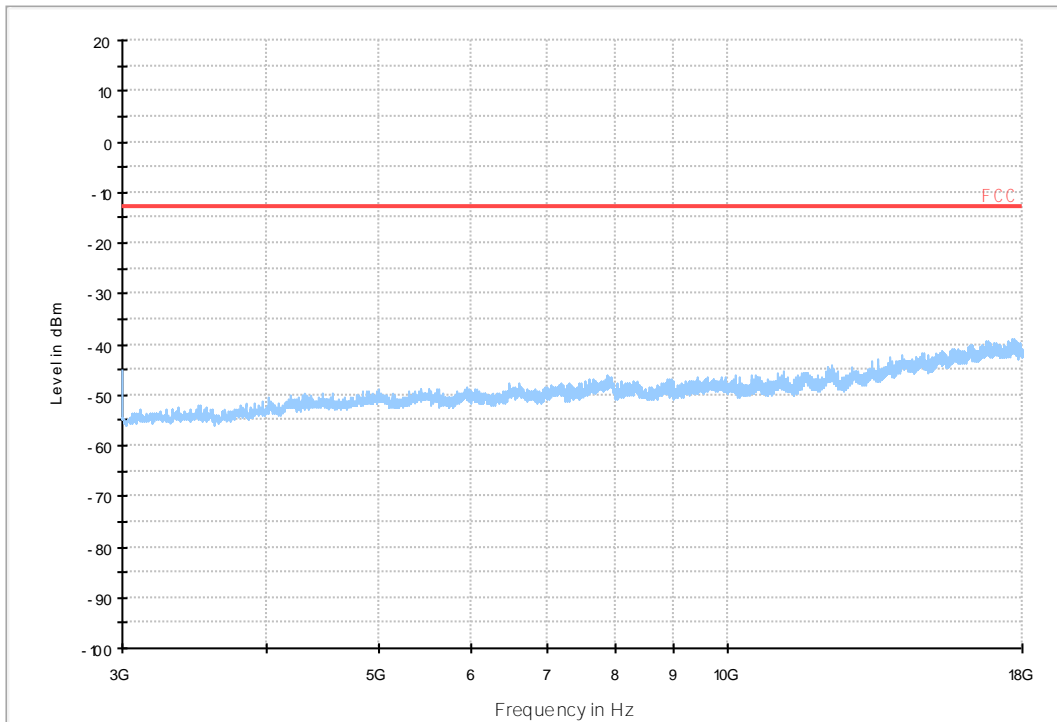




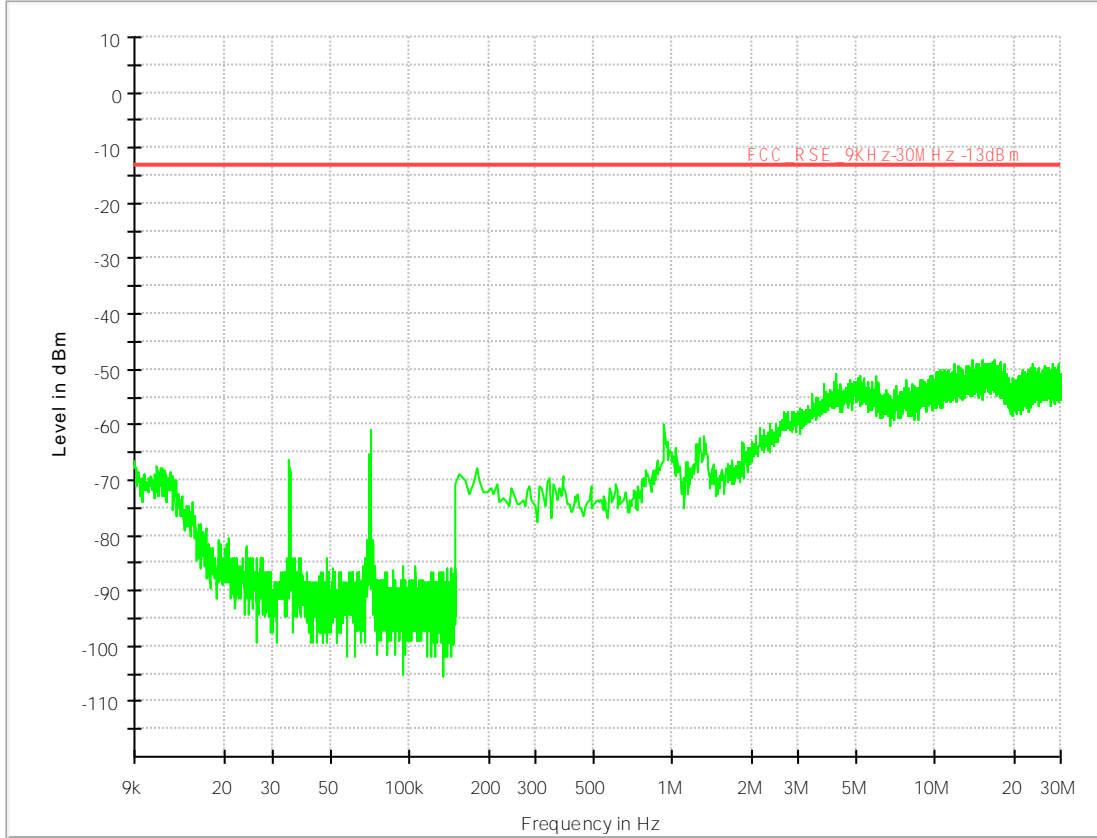
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



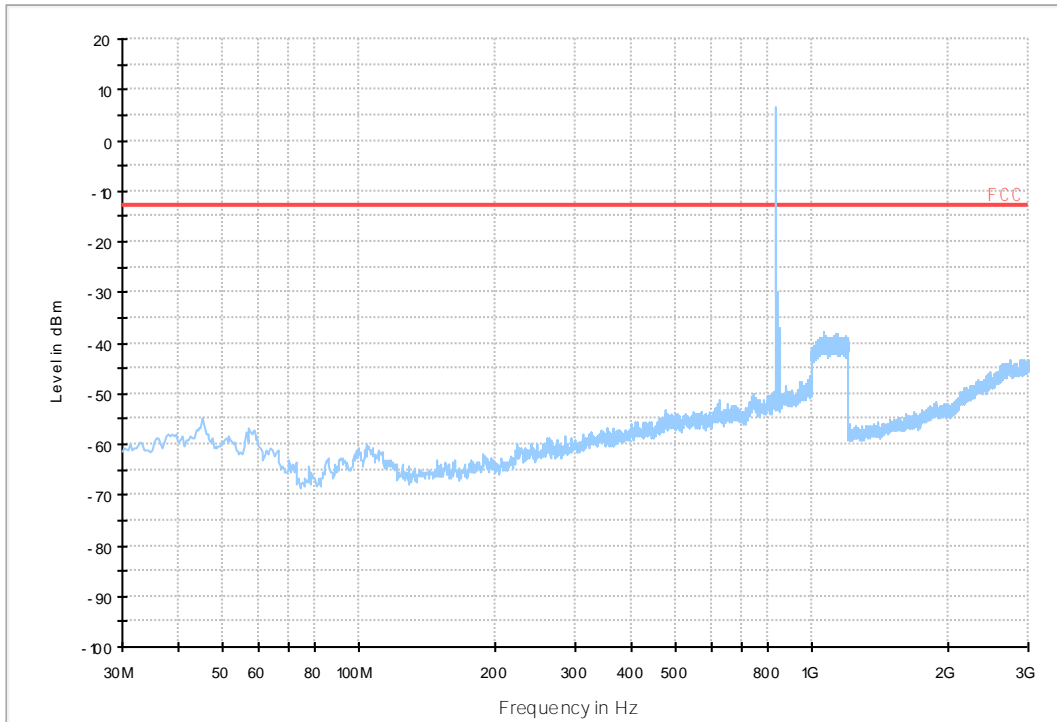
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



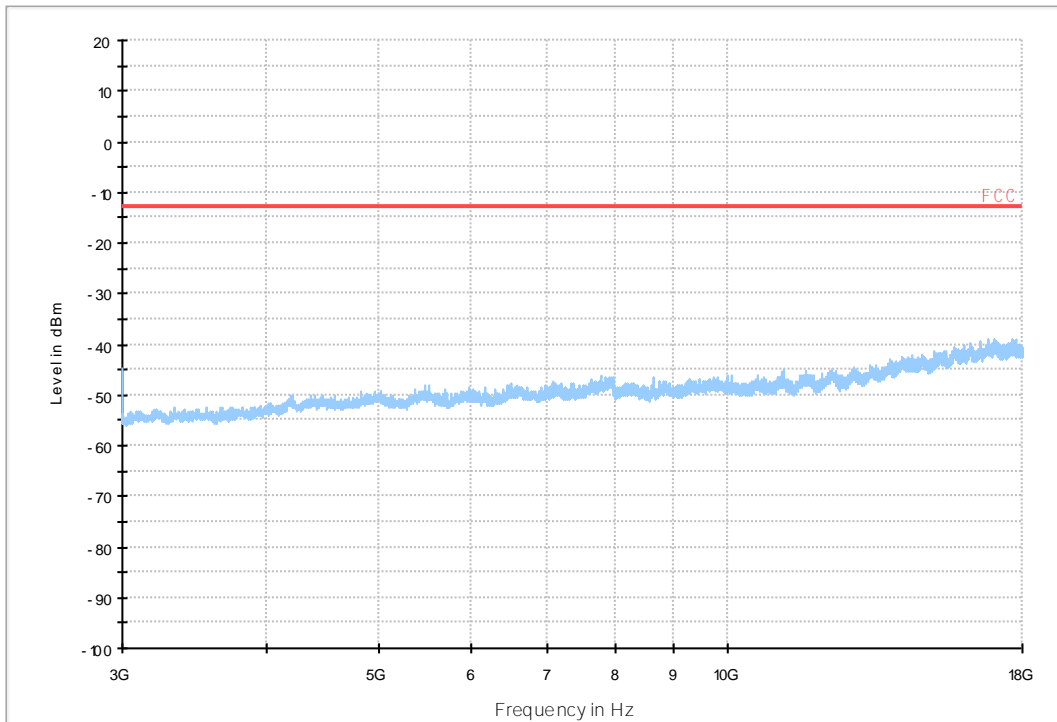
### 7.1.1.3 Test Bandwidth = 10



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



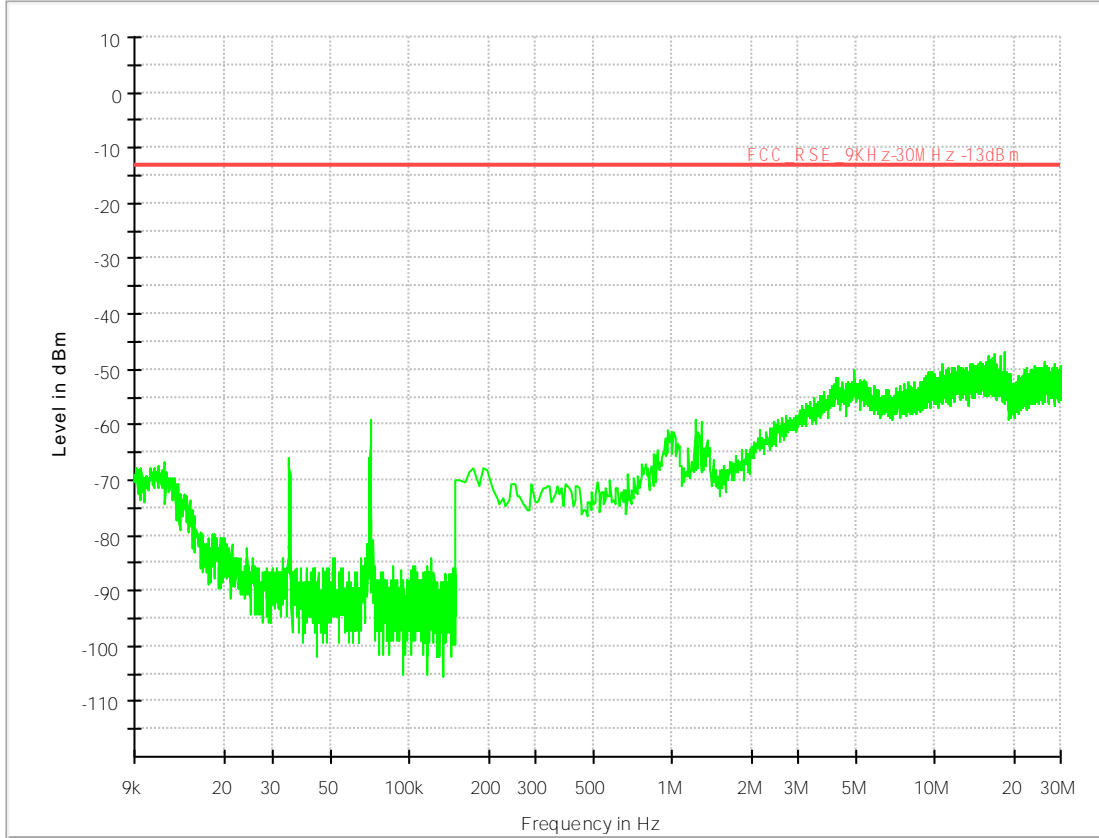
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H





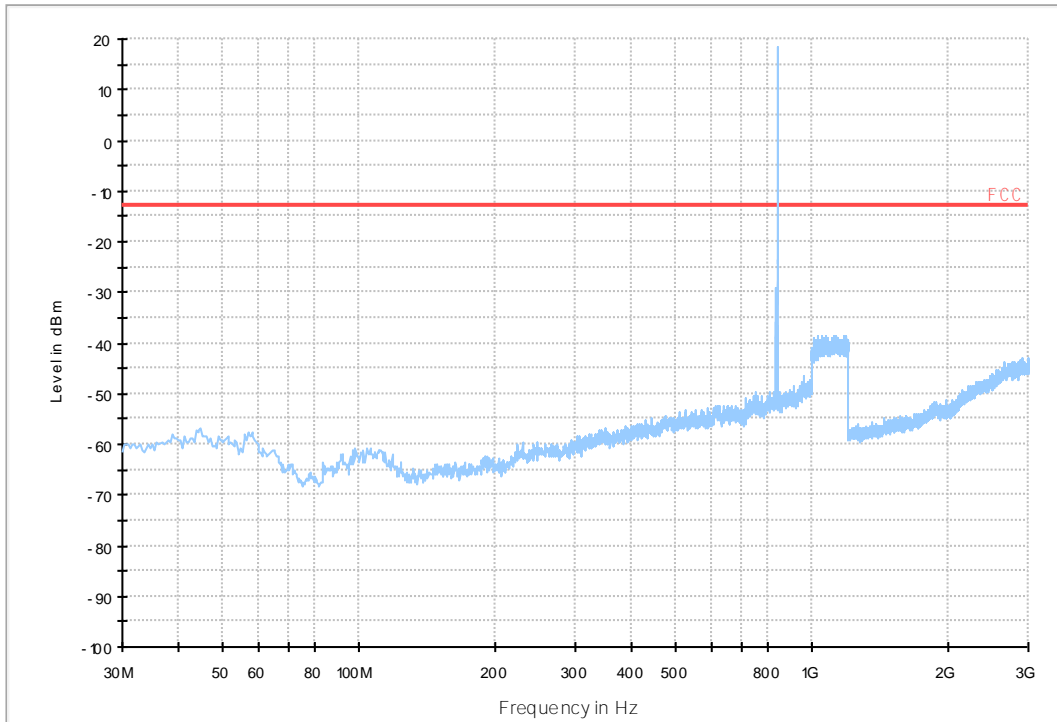
### 7.1.2 Test Band = BAND5\_ANT2

#### 7.1.2.1 Test Bandwidth = 1.4

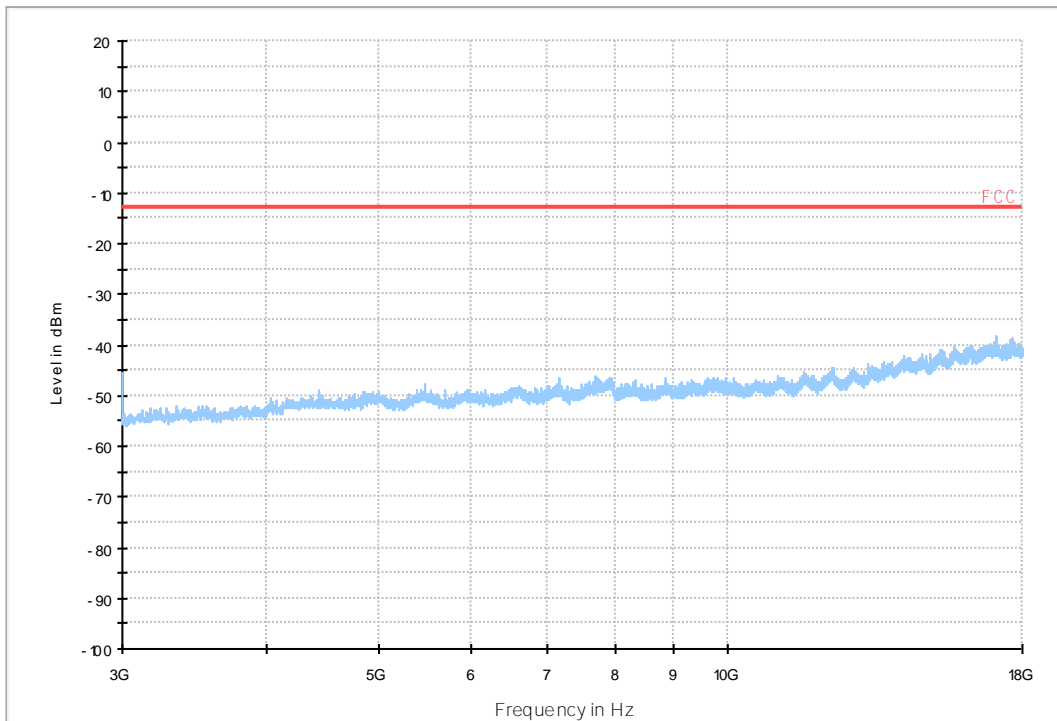




LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L

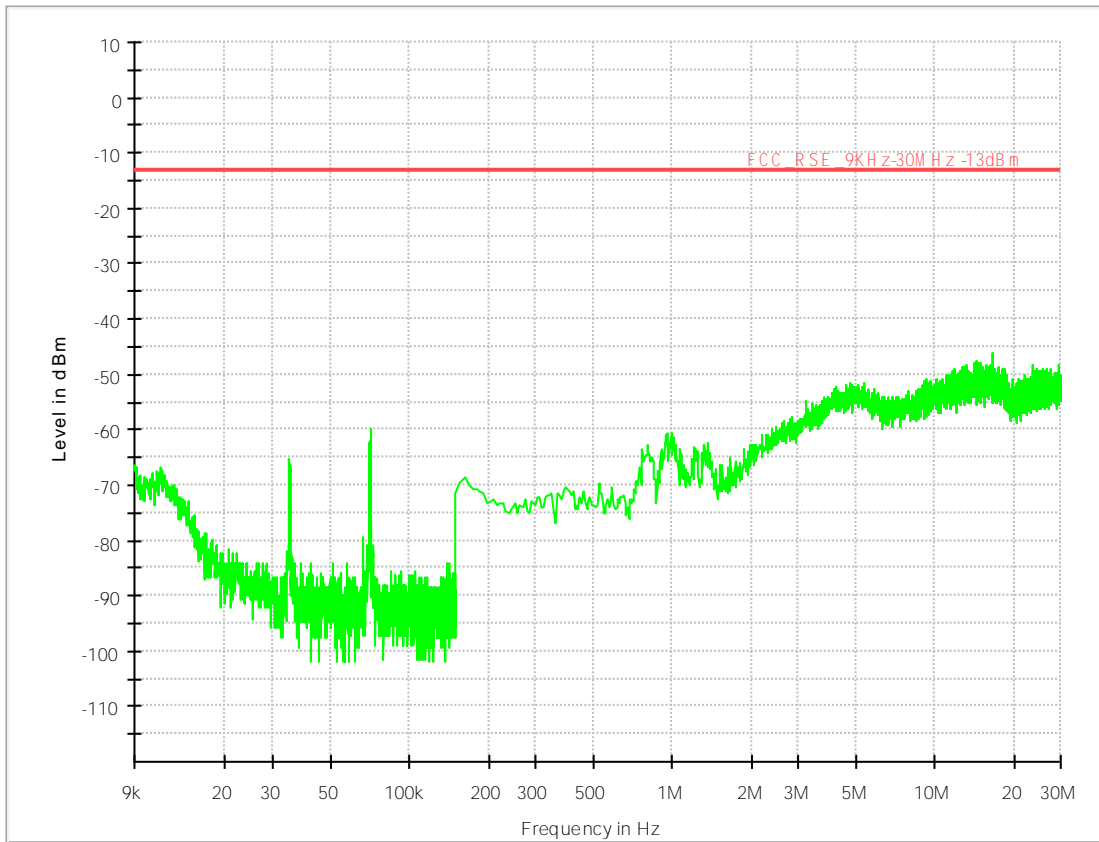


LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H

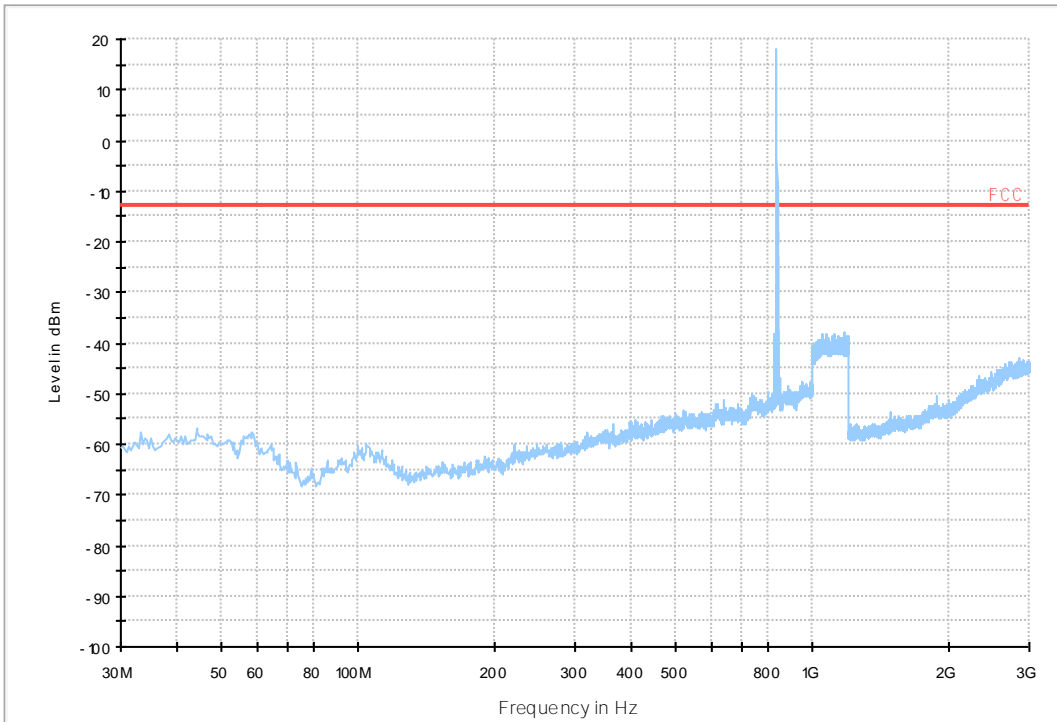




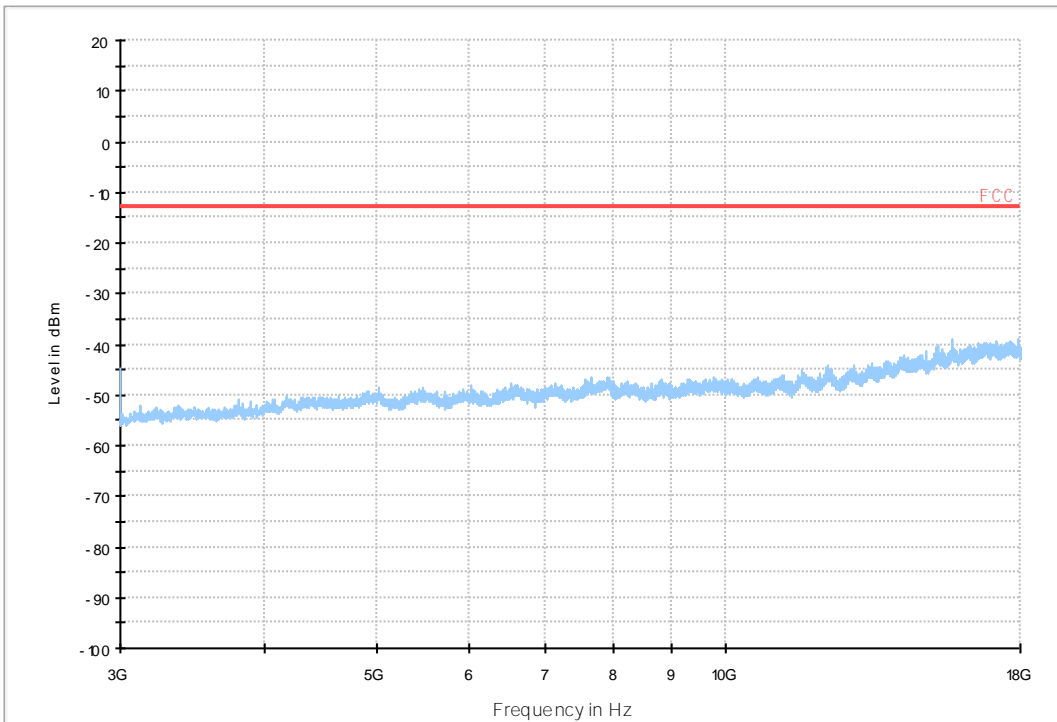
### 7.1.2.2 Test Bandwidth = 5



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



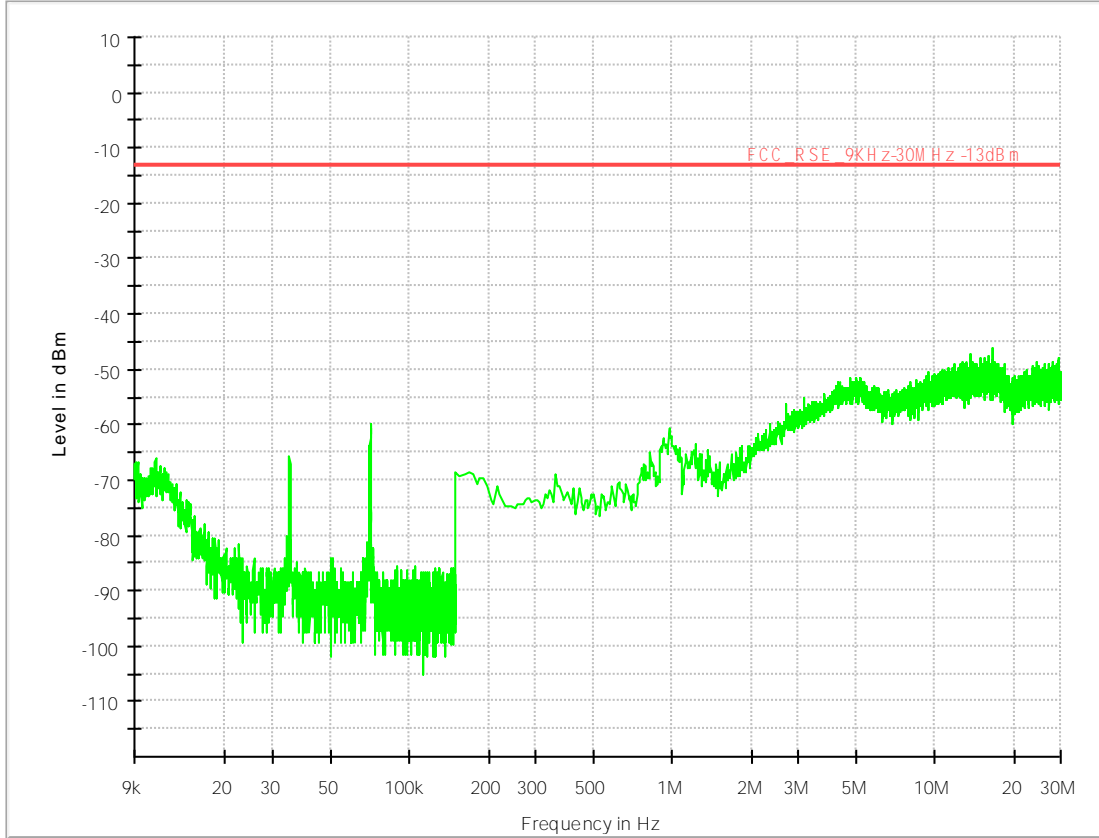
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



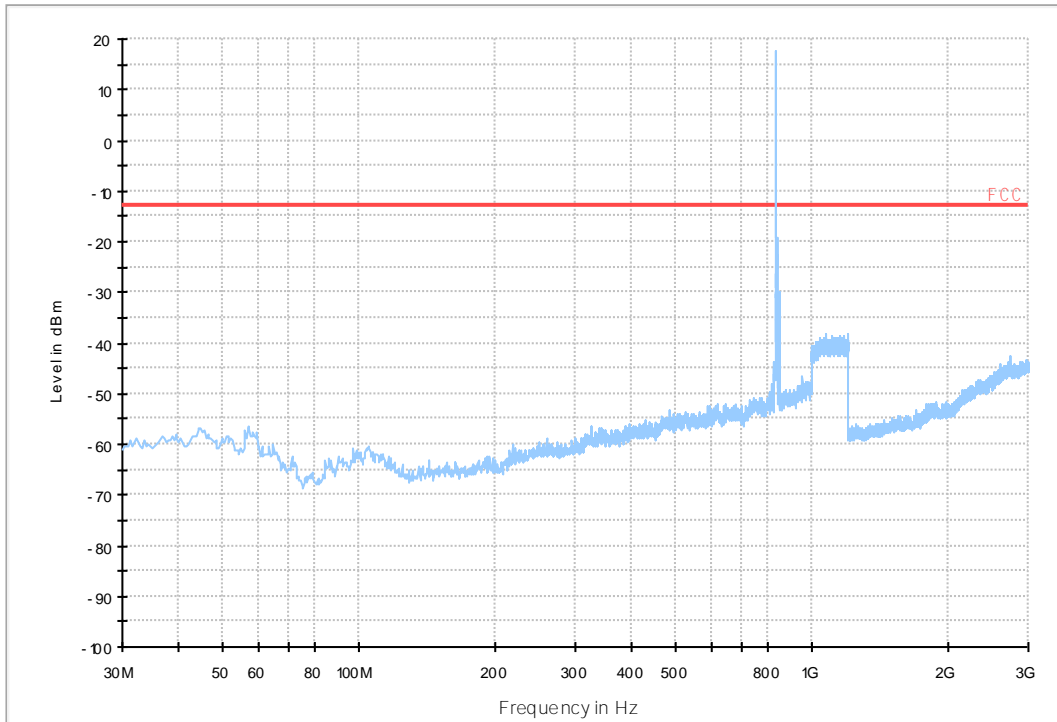




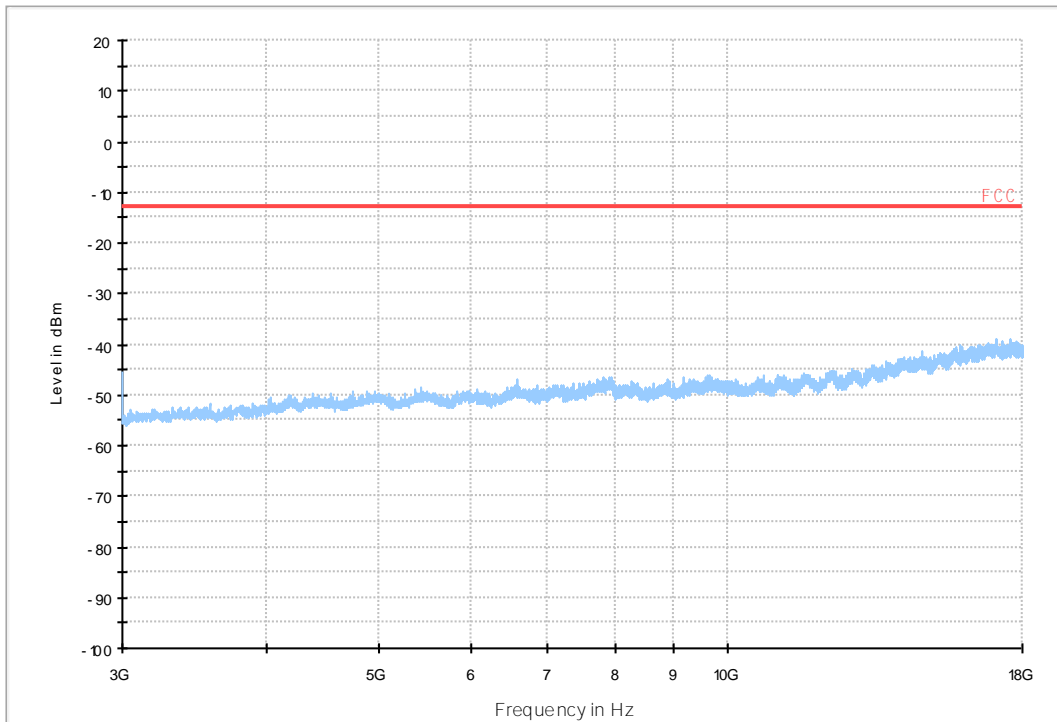
### 7.1.2.3 Test Bandwidth = 10



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
BAND5	LTE/TM1	1.4	LCH	TN	VL	7.81059	0.00947	PASS
					VN	0.18597	0.00023	PASS
					VH	-0.05722	-0.00007	PASS
			MCH	TN	VL	2.27451	0.00272	PASS
					VN	-1.21593	-0.00145	PASS
					VH	-8.76904	-0.01048	PASS
			HCH	TN	VL	-8.35419	-0.00985	PASS
					VN	15.62119	0.01841	PASS
					VH	3.14712	0.00371	PASS
		3	LCH	TN	VL	5.14984	0.00624	PASS
					VN	3.36170	0.00407	PASS
					VH	-0.87261	-0.00106	PASS
			MCH	TN	VL	3.56197	0.00426	PASS
					VN	-0.72956	-0.00087	PASS
					VH	-8.95500	-0.01071	PASS
			HCH	TN	VL	1.65939	0.00196	PASS
					VN	-1.65939	-0.00196	PASS
					VH	-4.22001	-0.00498	PASS
		5	LCH	TN	VL	1.18732	0.00144	PASS
					VN	-2.51770	-0.00305	PASS
					VH	0.20027	0.00024	PASS
			MCH	TN	VL	1.33038	0.00159	PASS
					VN	2.74658	0.00328	PASS
					VH	-4.66347	-0.00557	PASS
			HCH	TN	VL	-0.98705	-0.00117	PASS
					VN	0.95844	0.00113	PASS
					VH	2.91824	0.00345	PASS
		10	LCH	TN	VL	0.02861	0.00003	PASS
					VN	2.11716	0.00255	PASS
					VH	1.61648	0.00195	PASS
			MCH	TN	VL	0.54359	0.00065	PASS
					VN	0.90122	0.00108	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	HCH	TN	VH	0.07153	0.00009	PASS
					VL	1.55926	0.00185	PASS
					VN	-5.95093	-0.00705	PASS
					VH	2.30312	0.00273	PASS
			LCH	TN	VL	3.54767	0.00430	PASS
					VN	-8.81195	-0.01069	PASS
					VH	-4.10557	-0.00498	PASS
					VL	0.55790	0.00067	PASS
			MCH	TN	VN	11.77311	0.01407	PASS
					VH	22.38750	0.02676	PASS
					VL	12.60281	0.01486	PASS
					VN	7.91073	0.00933	PASS
		HCH	TN	VH	2.80380	0.00331	PASS	
				VL	-3.86238	-0.00468	PASS	
				VN	1.64509	0.00199	PASS	
				VH	-2.53200	-0.00307	PASS	
		3	LCH	TN	VL	1.98841	0.00238	PASS
					VN	-0.87261	-0.00104	PASS
					VH	-2.86102	-0.00342	PASS
					VL	0.62943	0.00074	PASS
			MCH	TN	VN	1.00136	0.00118	PASS
					VH	-0.07153	-0.00008	PASS
					VL	-3.27587	-0.00396	PASS
					VN	1.84536	0.00223	PASS
			HCH	TN	VH	-2.97546	-0.00360	PASS
					VL	-5.16415	-0.00617	PASS
					VN	0.48637	0.00058	PASS
					VH	6.23703	0.00746	PASS
		5	LCH	TN	VL	0.84400	0.00100	PASS
					VN	-0.12875	-0.00015	PASS
					VH	-1.85966	-0.00220	PASS
					VL	-1.75953	-0.00212	PASS
			MCH	TN	VN	2.10285	0.00254	PASS
					VH	-0.31471	-0.00038	PASS
					VL	3.33309	0.00398	PASS
					VN	-0.38624	-0.00046	PASS
			HCH	TN	VH	3.74794	0.00448	PASS
					VL	-0.05722	-0.00007	PASS
					VN	2.10285	0.00254	PASS
					VH	-0.31471	-0.00038	PASS
		10	LCH	TN	VL	3.33309	0.00398	PASS
					VN	-0.38624	-0.00046	PASS
					VH	3.74794	0.00448	PASS
					VL	-0.05722	-0.00007	PASS
			MCH	TN	VN	-0.38624	-0.00046	PASS
					VH	3.74794	0.00448	PASS
					VL	-0.05722	-0.00007	PASS
					VN	2.10285	0.00254	PASS
HCH	TN		VH	-0.31471	-0.00038	PASS		
			VL	3.33309	0.00398	PASS		
			VN	-0.38624	-0.00046	PASS		
			VH	3.74794	0.00448	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-0.11444	-0.00014	PASS
					VH	-1.57356	-0.00186	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	1.30177	0.00158	PASS
					-20	6.13689	0.00744	PASS
					-10	12.07352	0.01464	PASS
					0	-5.13554	-0.00623	PASS
					10	-0.11444	-0.00014	PASS
					20	0.18597	0.00023	PASS
					30	-7.25269	-0.00879	PASS
					40	-4.17709	-0.00506	PASS
					50	-12.57420	-0.01525	PASS
			MCH	VN	-30	9.05514	0.01083	PASS
					-20	-3.87669	-0.00463	PASS
					-10	-0.41485	-0.00050	PASS
					0	1.21593	0.00145	PASS
					10	-7.02381	-0.00840	PASS
					20	-1.21593	-0.00145	PASS
					30	-11.18660	-0.01337	PASS
					40	-12.24518	-0.01464	PASS
					50	-9.49860	-0.01136	PASS
			HCH	VN	-30	7.53880	0.00889	PASS
					-20	3.74794	0.00442	PASS
					-10	0.01431	0.00002	PASS
					0	-24.37592	-0.02874	PASS
					10	-66.96224	-0.07894	PASS
					20	15.62119	0.01841	PASS
30	-1.61648	-0.00191			PASS			
40	4.03404	0.00476			PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					50	-10.2424 6	-0.01207	PASS
		3	LCH	VN	-30	-0.67234	-0.00081	PASS
					-20	-1.75953	-0.00213	PASS
					-10	7.16686	0.00868	PASS
					0	-3.03268	-0.00367	PASS
					10	5.77927	0.00700	PASS
					20	3.36170	0.00407	PASS
					30	-0.74387	-0.00090	PASS
					40	8.59737	0.01041	PASS
					50	-2.61784	-0.00317	PASS
			MCH	VN	-30	-3.00407	-0.00359	PASS
					-20	-2.20299	-0.00263	PASS
					-10	0.61512	0.00074	PASS
					0	3.63350	0.00434	PASS
					10	7.13825	0.00853	PASS
					20	-0.72956	-0.00087	PASS
					30	4.23431	0.00506	PASS
					40	-1.77383	-0.00212	PASS
			50	5.02109	0.00600	PASS		
			HCH	VN	-30	0.51498	0.00061	PASS
					-20	-2.00272	-0.00236	PASS
					-10	-1.37329	-0.00162	PASS
					0	-0.17166	-0.00020	PASS
					10	-0.88692	-0.00105	PASS
					20	-1.65939	-0.00196	PASS
		30			-2.76089	-0.00326	PASS	
		40			-2.31743	-0.00273	PASS	
		50	1.40190	0.00165	PASS			
		5	LCH	VN	-30	14.56261	0.01762	PASS
					-20	0.04292	0.00005	PASS
					-10	5.12123	0.00620	PASS
					0	5.83649	0.00706	PASS
					10	3.07560	0.00372	PASS
					20	-2.51770	-0.00305	PASS
					30	1.81675	0.00220	PASS
					40	7.22408	0.00874	PASS
					50	-2.11716	-0.00256	PASS
			MCH	VN	-30	1.33038	0.00159	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	-6.79493	-0.00812	PASS		
					-10	-3.04699	-0.00364	PASS		
					0	-7.18117	-0.00858	PASS		
					10	1.31607	0.00157	PASS		
					20	2.74658	0.00328	PASS		
					30	-4.43459	-0.00530	PASS		
					40	1.41621	0.00169	PASS		
					50	3.43323	0.00410	PASS		
			HCH	VN	-30	0.77248	0.00091	PASS		
					-20	0.01431	0.00002	PASS		
					-10	-1.38760	-0.00164	PASS		
					0	0.81539	0.00096	PASS		
					10	-1.01566	-0.00120	PASS		
					20	0.95844	0.00113	PASS		
					30	0.68665	0.00081	PASS		
					40	0.68665	0.00081	PASS		
		50	1.57356	0.00186	PASS					
					LCH	VN	-30	-0.40054	-0.00048	PASS
							-20	1.90258	0.00230	PASS
							-10	2.30312	0.00278	PASS
							0	2.57492	0.00311	PASS
							10	1.65939	0.00200	PASS
							20	2.11716	0.00255	PASS
							30	-0.48637	-0.00059	PASS
							40	1.38760	0.00167	PASS
				50	0.81539	0.00098	PASS			
				MCH	VN	-30	1.84536	0.00221	PASS	
						-20	1.95980	0.00234	PASS	
						-10	-3.61919	-0.00433	PASS	
						0	-1.70231	-0.00204	PASS	
						10	5.63621	0.00674	PASS	
						20	0.90122	0.00108	PASS	
						30	-0.51498	-0.00062	PASS	
		40	0.28610			0.00034	PASS			
		50	0.07153	0.00009	PASS					
		HCH	VN	-30	-3.37601	-0.00400	PASS			
				-20	0.95844	0.00114	PASS			
				-10	-2.41756	-0.00286	PASS			
				0	-2.54631	-0.00302	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			10	1.70231	0.00202	PASS
					20	-5.95093	-0.00705	PASS
					30	0.60081	0.00071	PASS
					40	8.91209	0.01056	PASS
					50	-3.11851	-0.00369	PASS
			LCH	VN	-30	-3.41892	-0.00415	PASS
					-20	0.00000	0.00000	PASS
					-10	-13.31806	-0.01615	PASS
					0	2.97546	0.00361	PASS
					10	-9.95636	-0.01207	PASS
					20	-8.81195	-0.01069	PASS
					30	-1.07288	-0.00130	PASS
					40	5.19276	0.00630	PASS
					50	6.95229	0.00843	PASS
					MCH	VN	-30	4.19140
		-20	5.16415	0.00617			PASS	
		-10	18.18180	0.02174			PASS	
		0	-30.46989	-0.03643			PASS	
		10	-5.89371	-0.00705			PASS	
		HCH	VN	20	11.77311	0.01407	PASS	
				30	12.51698	0.01496	PASS	
				40	-7.53880	-0.00901	PASS	
				50	3.11851	0.00373	PASS	
				-30	-8.38280	-0.00988	PASS	
				-20	-12.04491	-0.01420	PASS	
				-10	10.25677	0.01209	PASS	
				0	-8.95500	-0.01056	PASS	
		3	LCH	VN	10	-0.04292	-0.00005	PASS
					20	7.91073	0.00933	PASS
					30	-7.33852	-0.00865	PASS
					40	5.62191	0.00663	PASS
					50	11.07216	0.01305	PASS
-30	10.09941				0.01223	PASS		
-20	11.55853				0.01400	PASS		
-10	8.28266				0.01003	PASS		
0	-5.07832				-0.00615	PASS		





Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	1.21593	0.00147	PASS			
					20	1.64509	0.00199	PASS			
					30	6.30856	0.00764	PASS			
					40	9.12666	0.01106	PASS			
					50	9.24110	0.01119	PASS			
			MCH	VN	-30	0.42915	0.00051	PASS			
					-20	0.24319	0.00029	PASS			
					-10	3.80516	0.00455	PASS			
					0	-1.94550	-0.00233	PASS			
					10	-2.58923	-0.00310	PASS			
					20	-0.87261	-0.00104	PASS			
					30	2.18868	0.00262	PASS			
					40	-6.66618	-0.00797	PASS			
			HCH	VN	50	13.38959	0.01601	PASS			
					-30	0.05722	0.00007	PASS			
					-20	-0.42915	-0.00051	PASS			
					-10	-1.53065	-0.00181	PASS			
					0	-1.55926	-0.00184	PASS			
					10	0.44346	0.00052	PASS			
					20	1.00136	0.00118	PASS			
					30	-2.23160	-0.00263	PASS			
			5	LCH	VN	40	0.68665	0.00081	PASS		
						50	-0.08583	-0.00010	PASS		
						-30	2.70367	0.00327	PASS		
						-20	11.61575	0.01405	PASS		
						-10	-5.85079	-0.00708	PASS		
						0	6.96659	0.00843	PASS		
						10	4.89235	0.00592	PASS		
						20	1.84536	0.00223	PASS		
				MCH	VN	30	3.43323	0.00415	PASS		
						40	3.53336	0.00428	PASS		
						50	-3.39031	-0.00410	PASS		
						-30	-0.04292	-0.00005	PASS		
						-20	14.47678	0.01731	PASS		
								-10	1.17302	0.00140	PASS
								0	2.57492	0.00308	PASS
10	7.53880	0.00901						PASS			
20	0.48637	0.00058						PASS			
30	0.98705	0.00118						PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	5.59330	0.00669	PASS		
					50	-0.71526	-0.00086	PASS		
			HCH	VN	-30	-0.94414	-0.00112	PASS		
					-20	-0.57220	-0.00068	PASS		
					-10	0.68665	0.00081	PASS		
					0	1.70231	0.00201	PASS		
					10	1.54495	0.00183	PASS		
					20	-0.12875	-0.00015	PASS		
					30	1.85966	0.00220	PASS		
					40	1.07288	0.00127	PASS		
					50	-0.77248	-0.00091	PASS		
					0	LCH	VN	-30	0.91553	0.00110
			-20	-0.81539				-0.00098	PASS	
			-10	0.91553				0.00110	PASS	
			0	1.20163				0.00145	PASS	
		10	2.14577	0.00259				PASS		
		20	2.10285	0.00254				PASS		
		30	-0.54359	-0.00066				PASS		
		40	0.51498	0.00062				PASS		
		50	0.45776	0.00055				PASS		
		MCH	VN	-30				-0.91553	-0.00109	PASS
				-20				-33.51688	-0.04007	PASS
				-10				-2.33173	-0.00279	PASS
				0				0.52929	0.00063	PASS
				10				-1.13010	-0.00135	PASS
				20				-0.38624	-0.00046	PASS
				30	-0.08583	-0.00010	PASS			
				40	-2.67506	-0.00320	PASS			
		50	-0.18597	-0.00022	PASS					
		HCH	VN	-30	-2.28882	-0.00271	PASS			
				-20	-1.25885	-0.00149	PASS			
				-10	-2.86102	-0.00339	PASS			
				0	-0.44346	-0.00053	PASS			
				10	0.74387	0.00088	PASS			
				20	-0.11444	-0.00014	PASS			
				30	-5.23567	-0.00620	PASS			
				40	-3.04699	-0.00361	PASS			
		50	-2.80380	-0.00332	PASS					



---

END