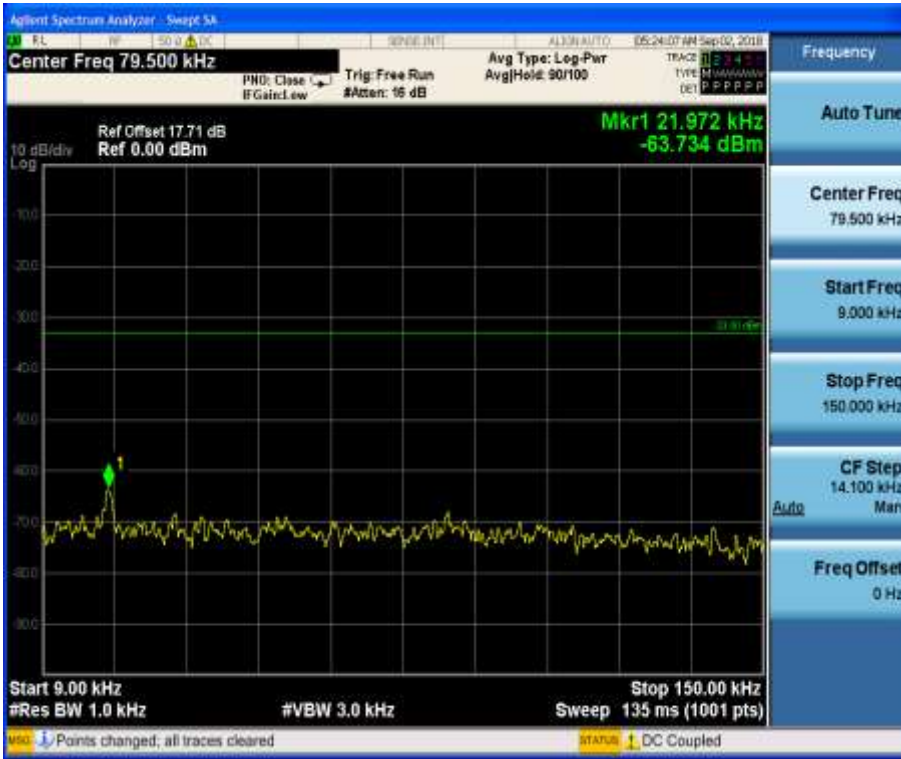
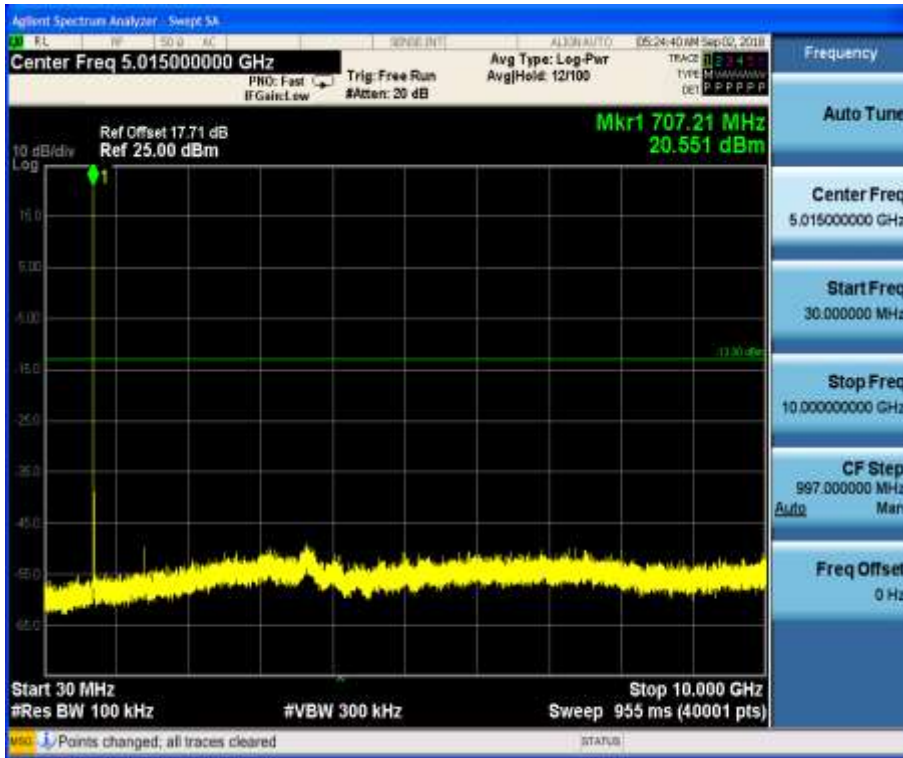


6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0

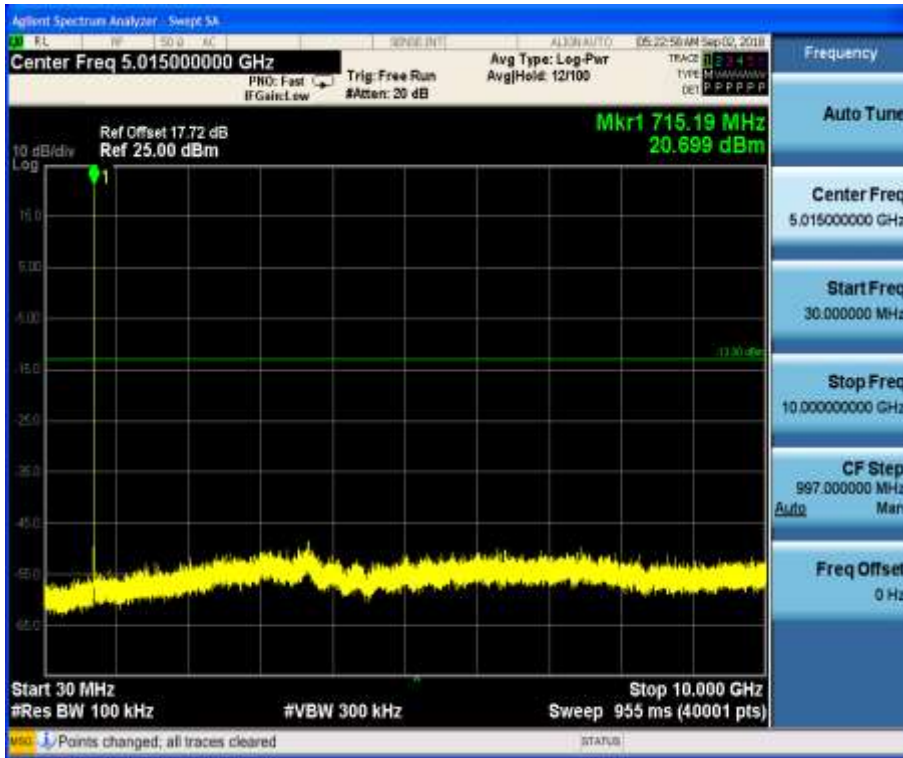




### 6.2.1.2.1.3 Test Channel = HCH

#### 6.2.1.2.1.3.1 Test RB = RB1#0







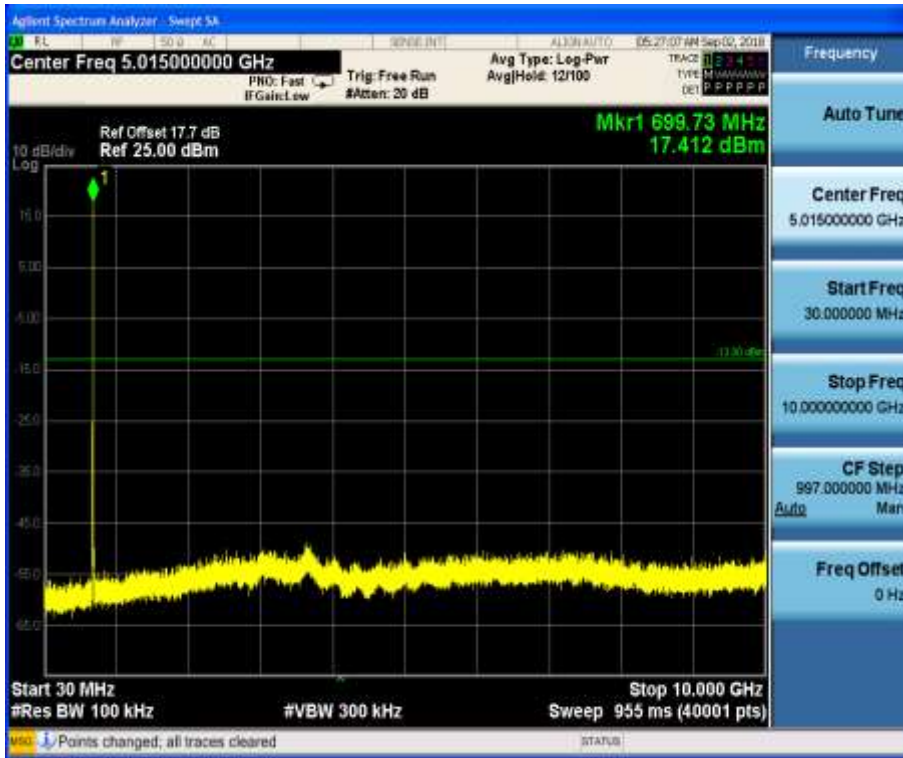


6.2.1.2.2 Test Bandwidth = 3

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0

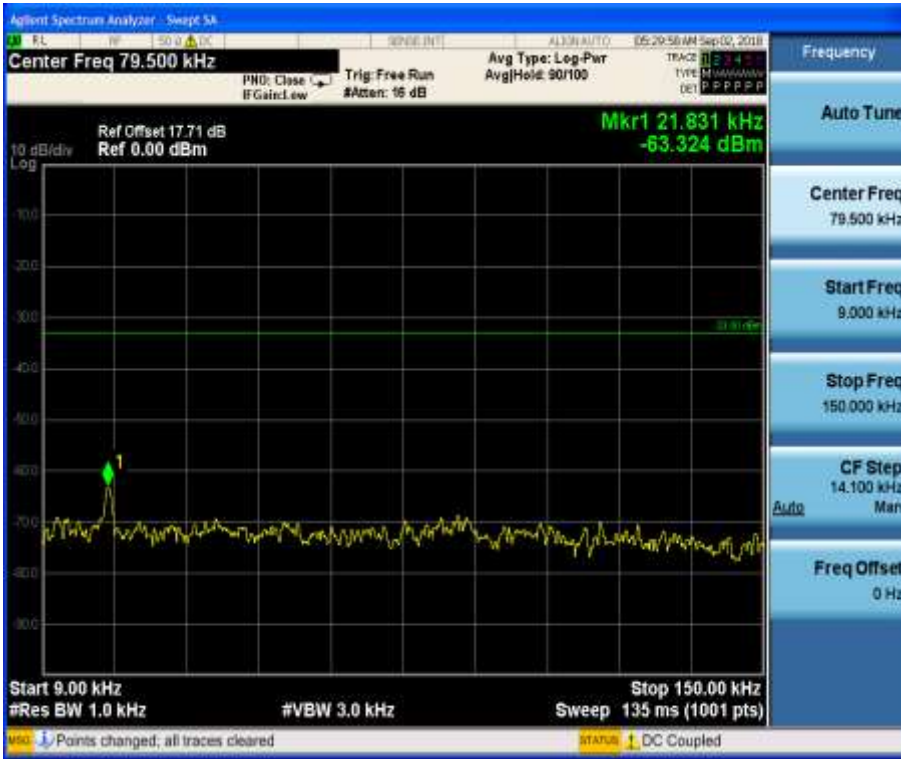




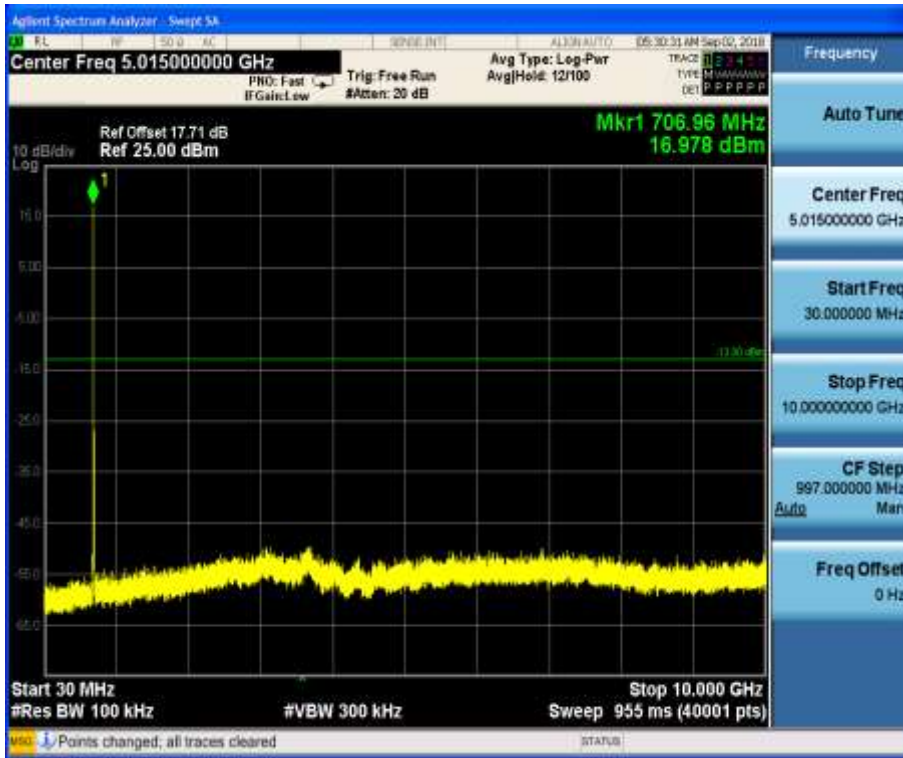


### 6.2.1.2.2.2 Test Channel = MCH

#### 6.2.1.2.2.2.1 Test RB = RB1#0



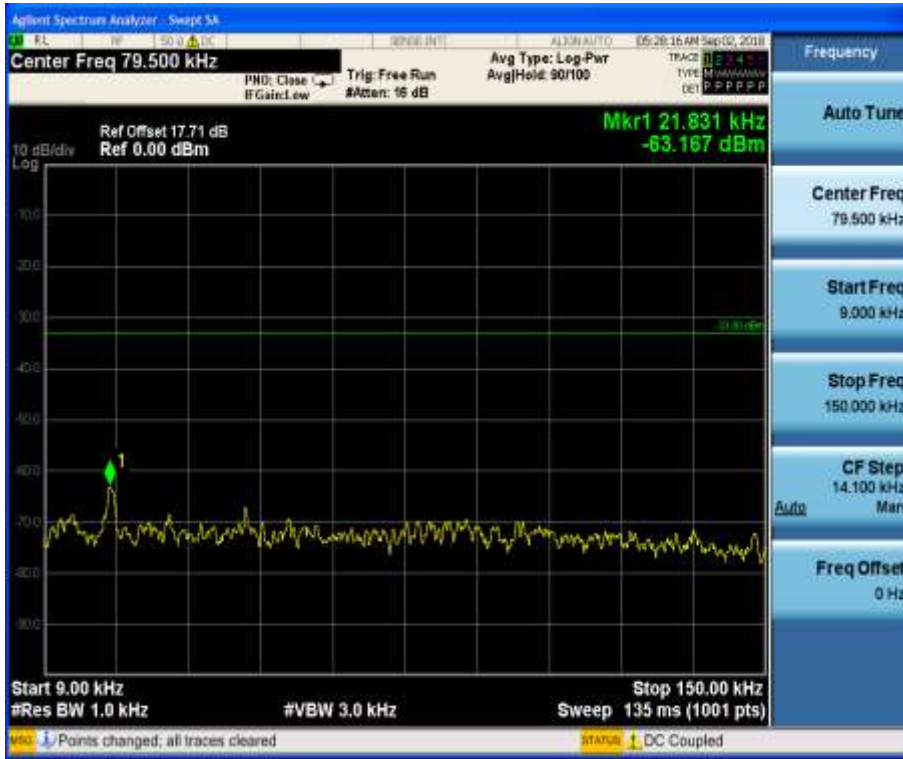


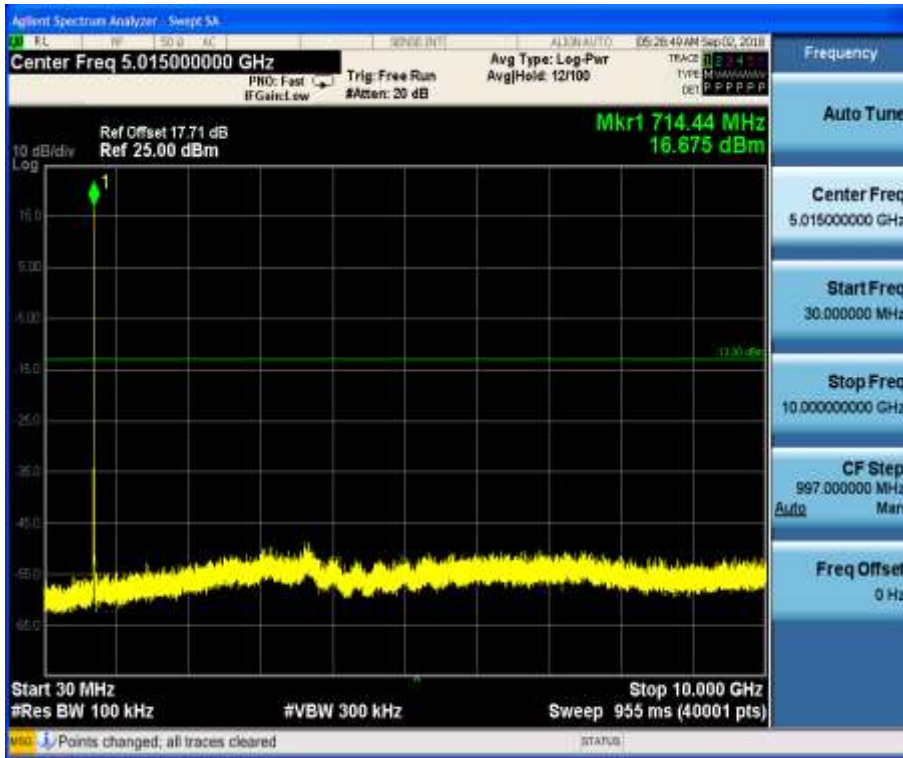




6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0





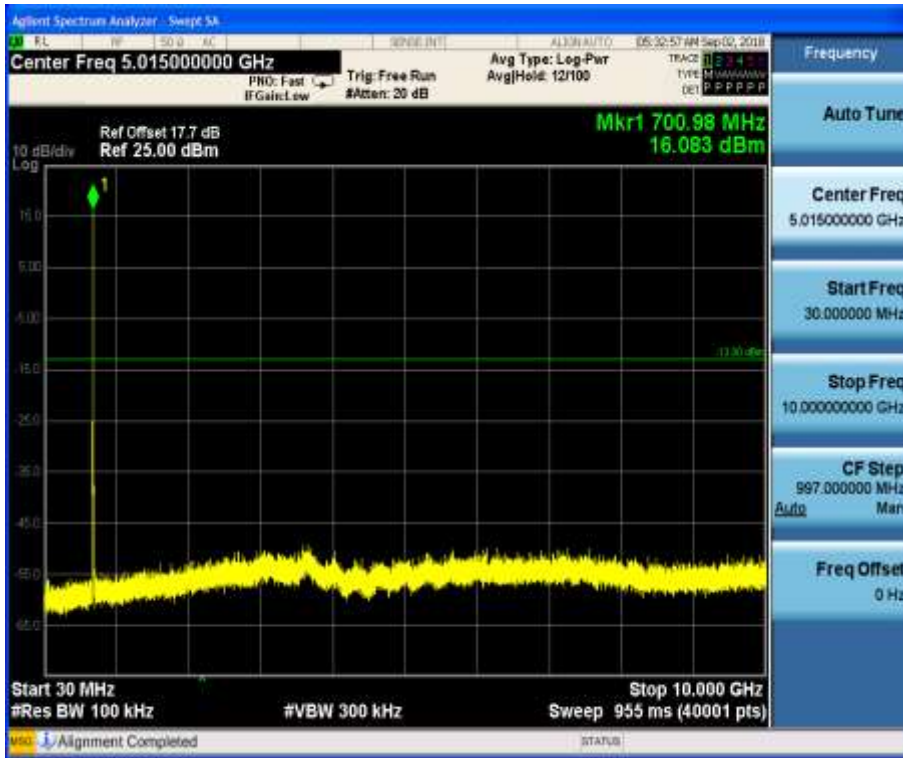


6.2.1.2.3 Test Bandwidth = 5

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0



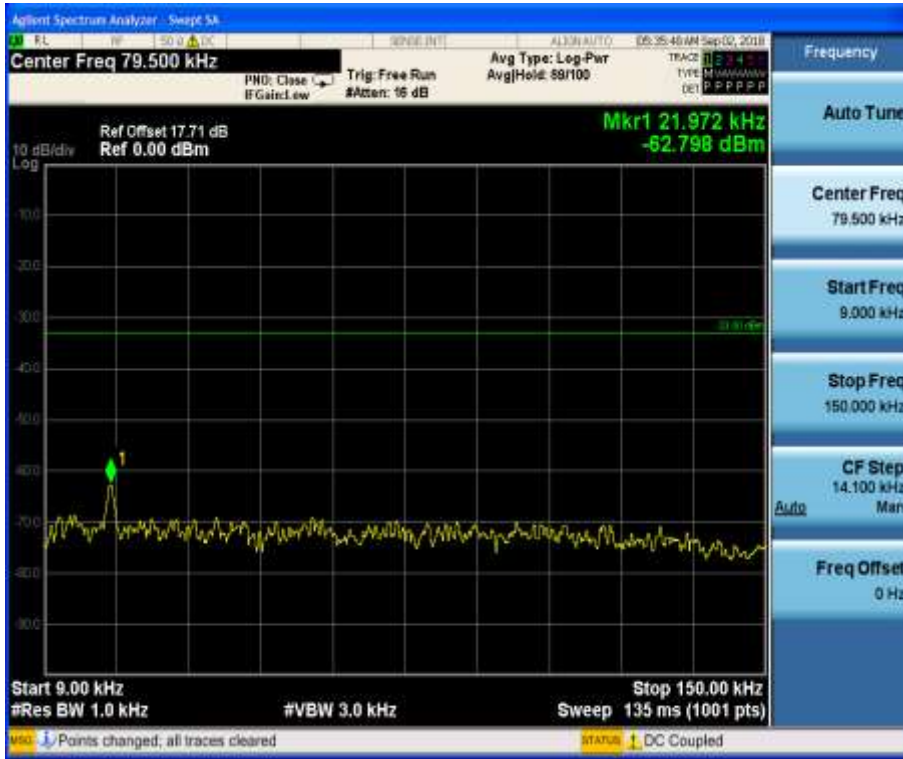


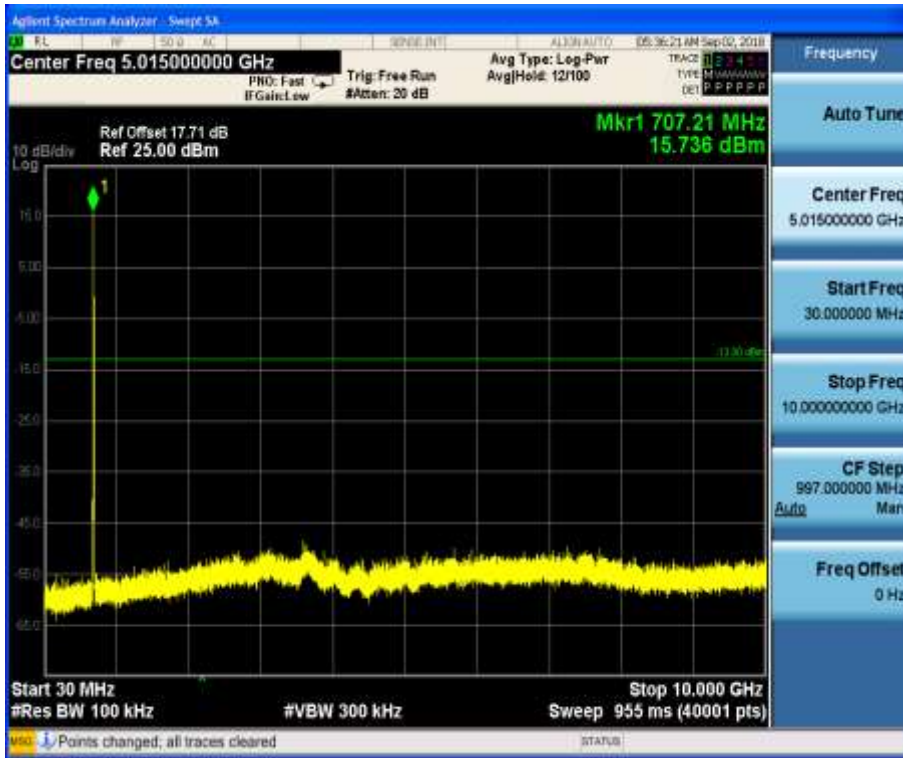




### 6.2.1.2.3.2 Test Channel = MCH

#### 6.2.1.2.3.2.1 Test RB = RB1#0



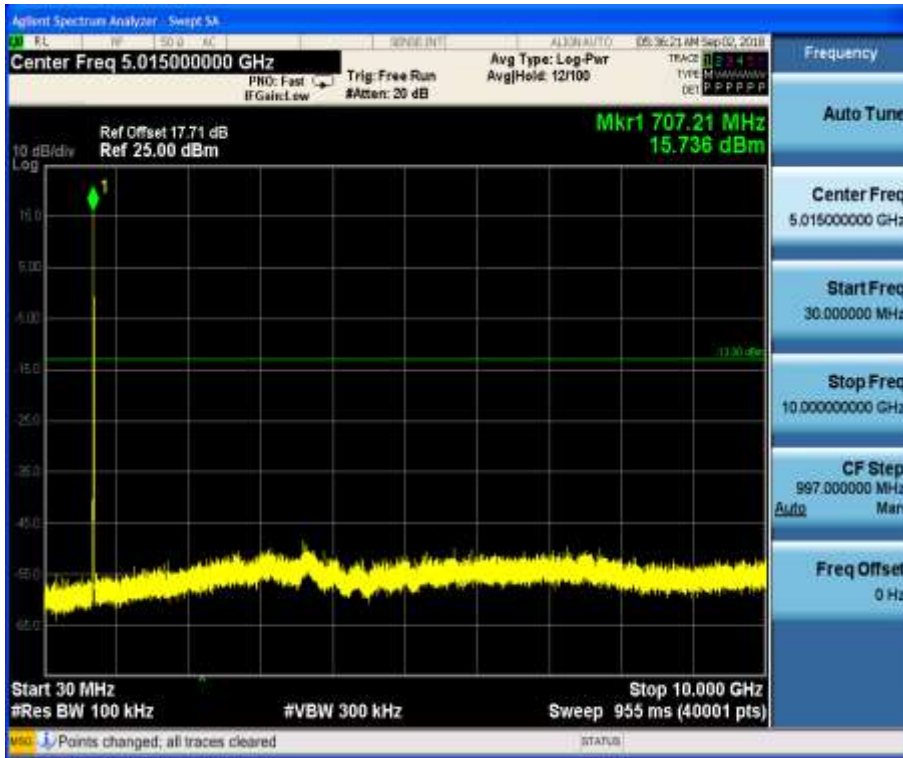




### 6.2.1.2.3.3 Test Channel = HCH

#### 6.2.1.2.3.3.1 Test RB = RB1#0







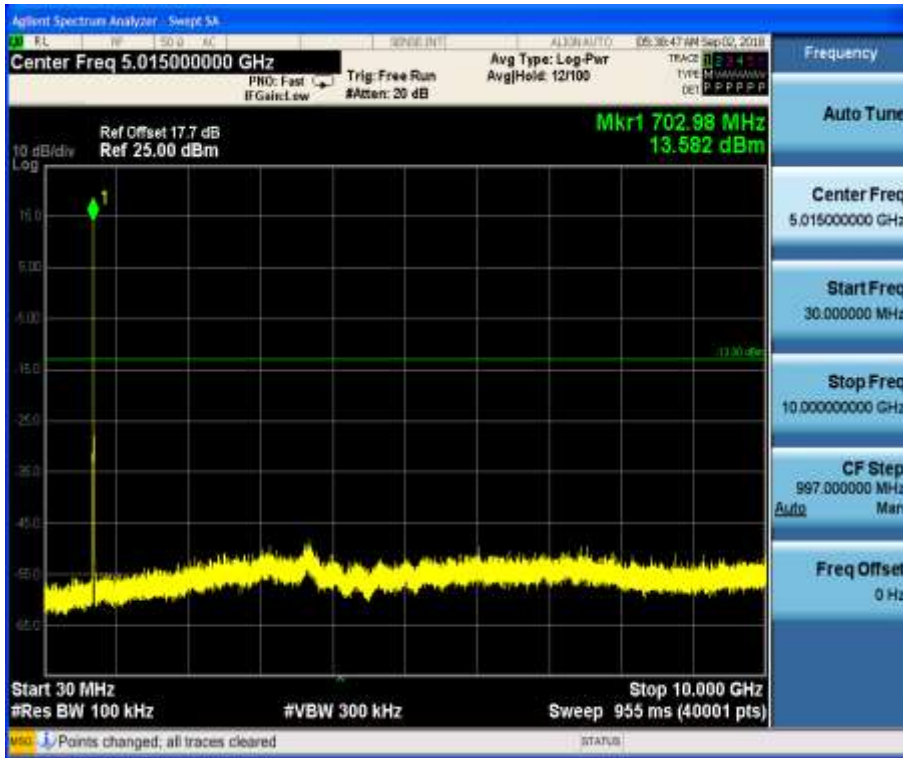
6.2.1.2.4 Test Bandwidth = 10

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0



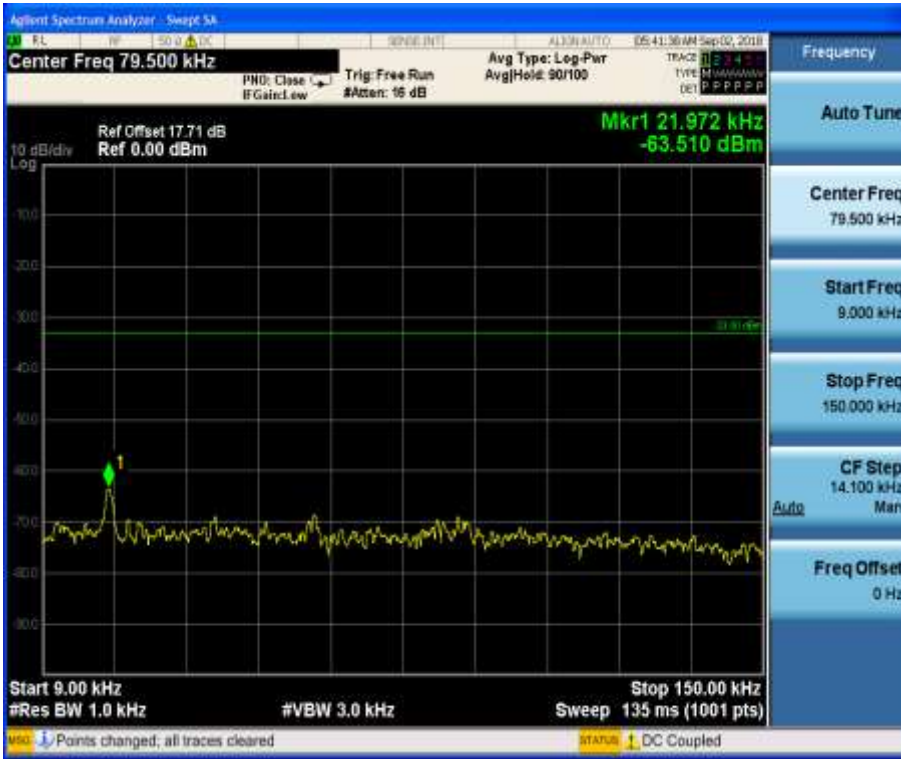


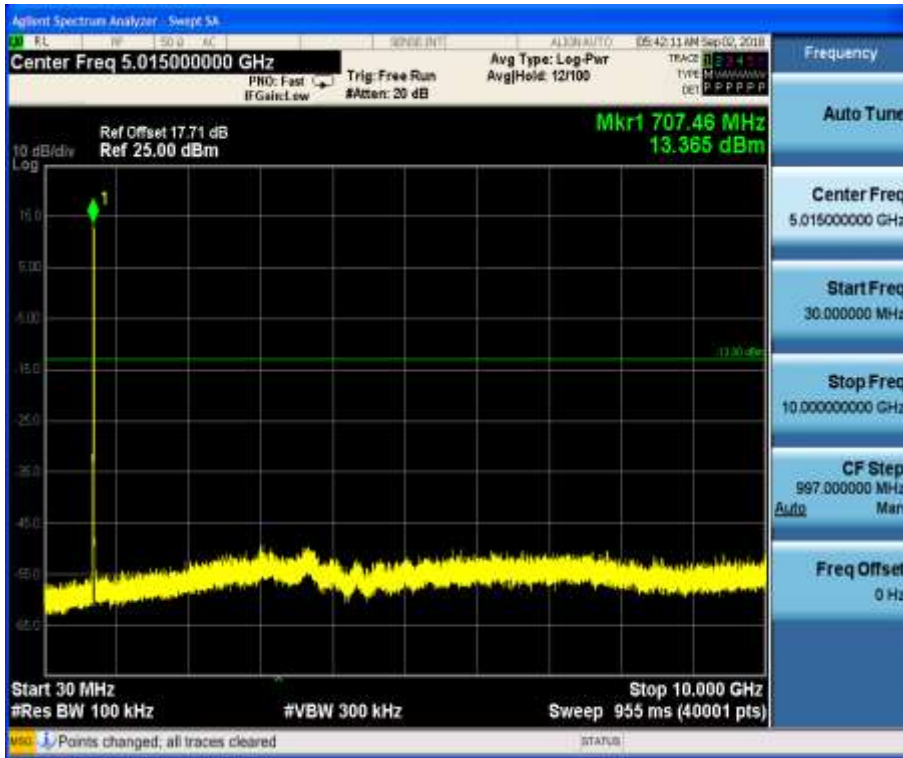




### 6.2.1.2.4.2 Test Channel = MCH

#### 6.2.1.2.4.2.1 Test RB = RB1#0



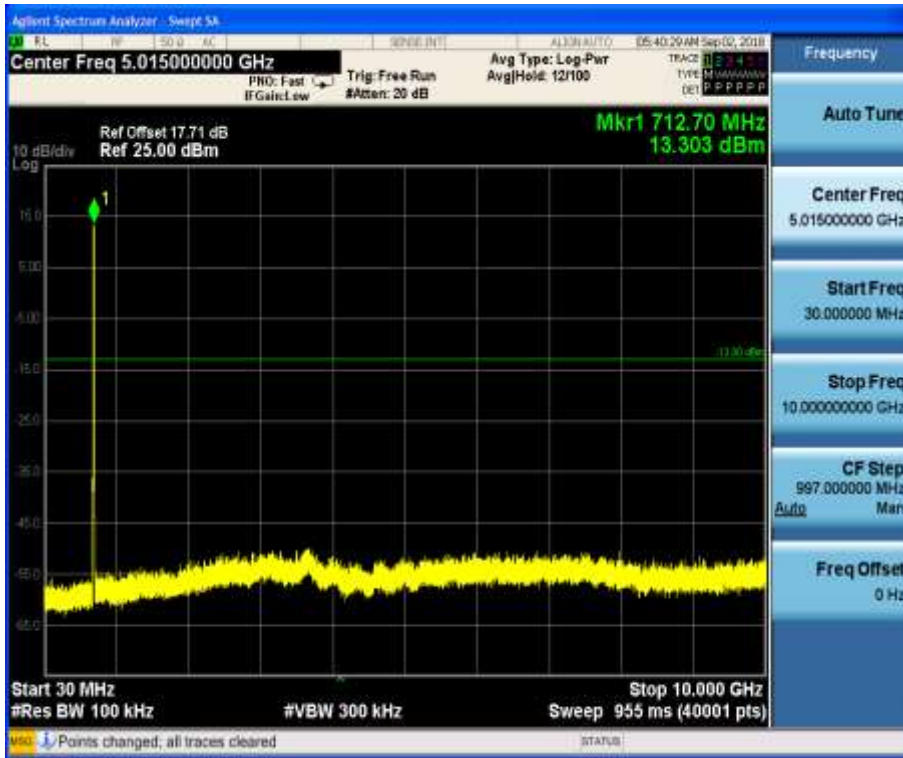




### 6.2.1.2.4.3 Test Channel = HCH

#### 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

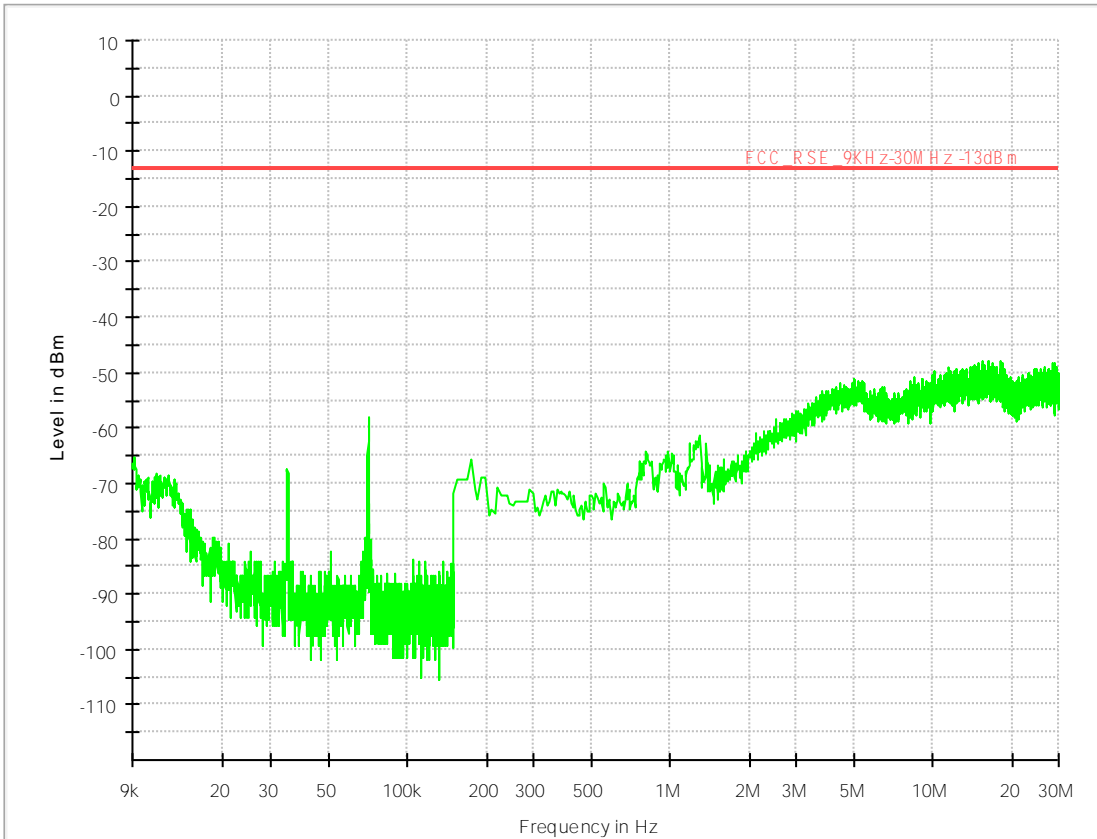
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

### Part I - Test Plots

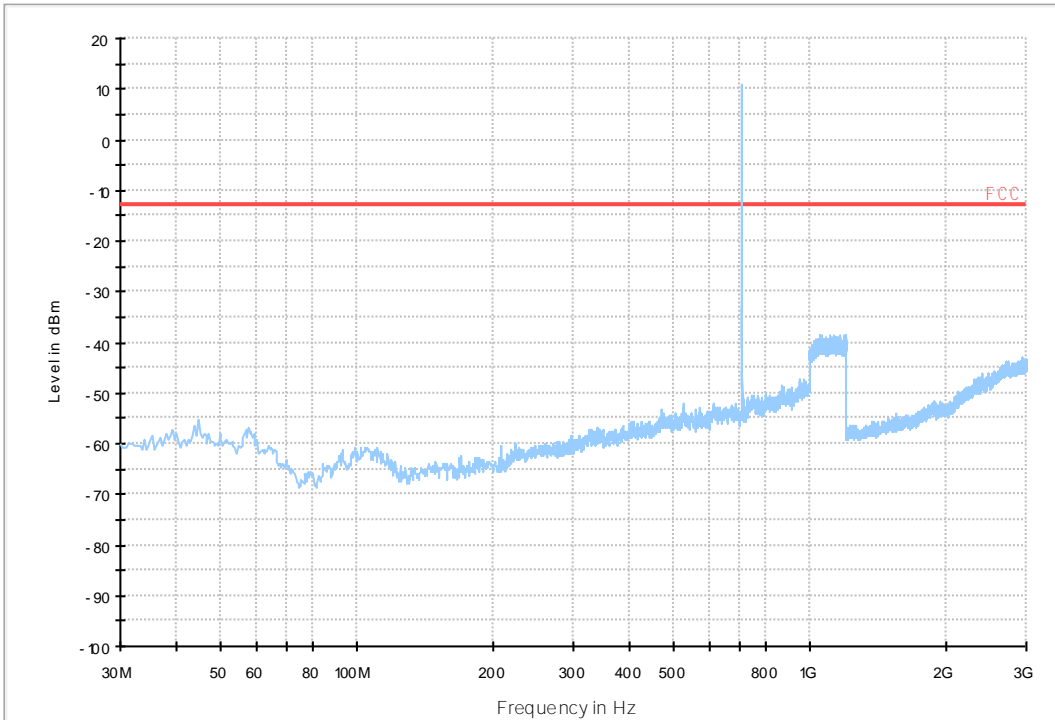
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND12\_ANT1

##### 7.1.1.1 Test Bandwidth = 1.4

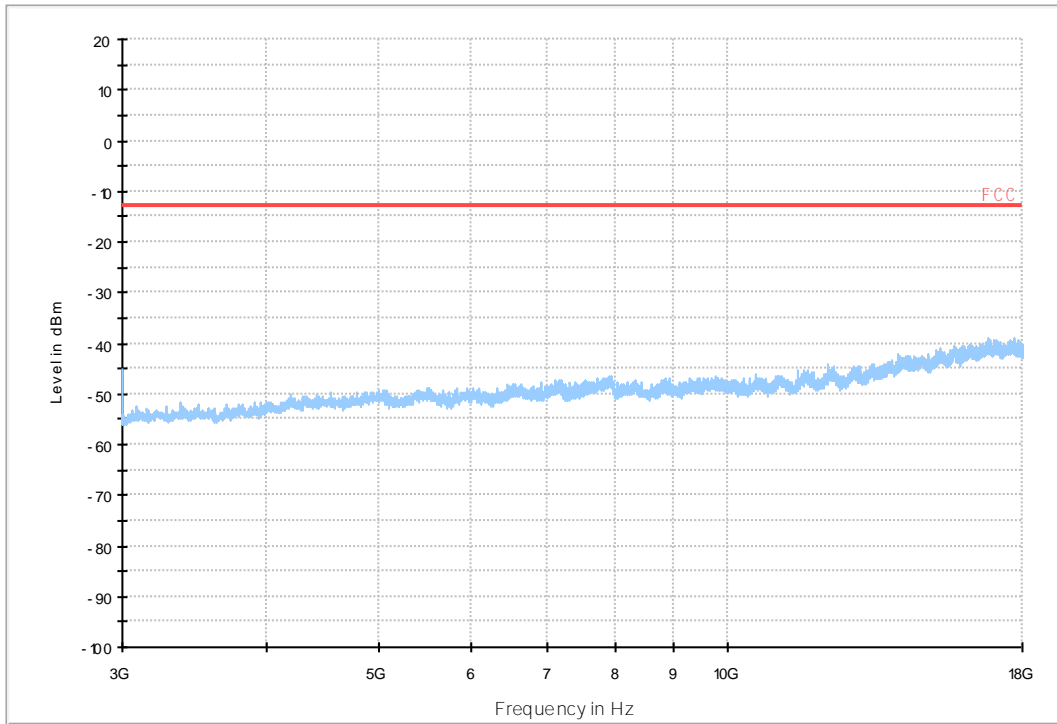


LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L

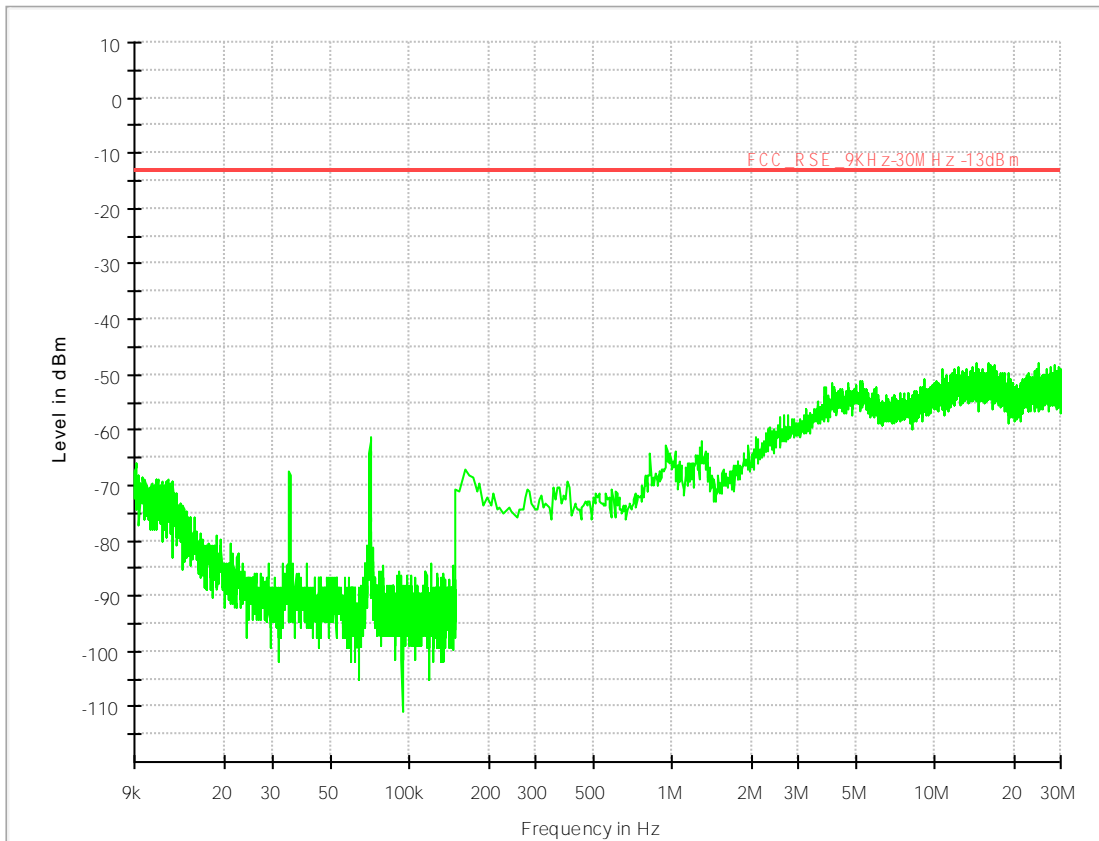




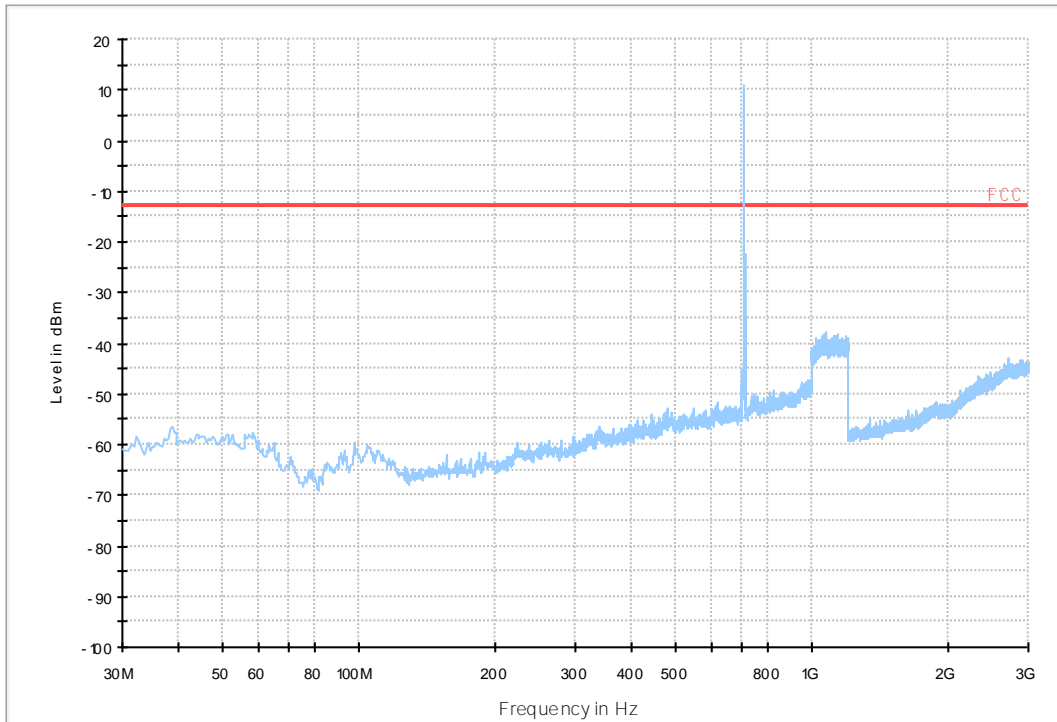
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



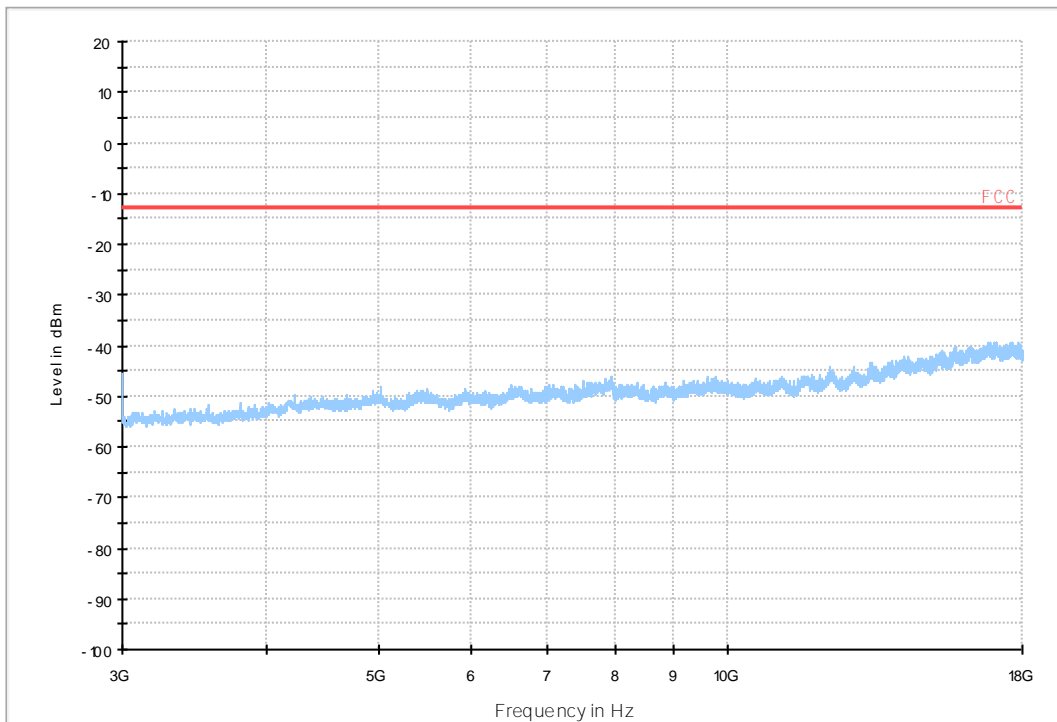
### 7.1.1.2 Test Bandwidth = 5



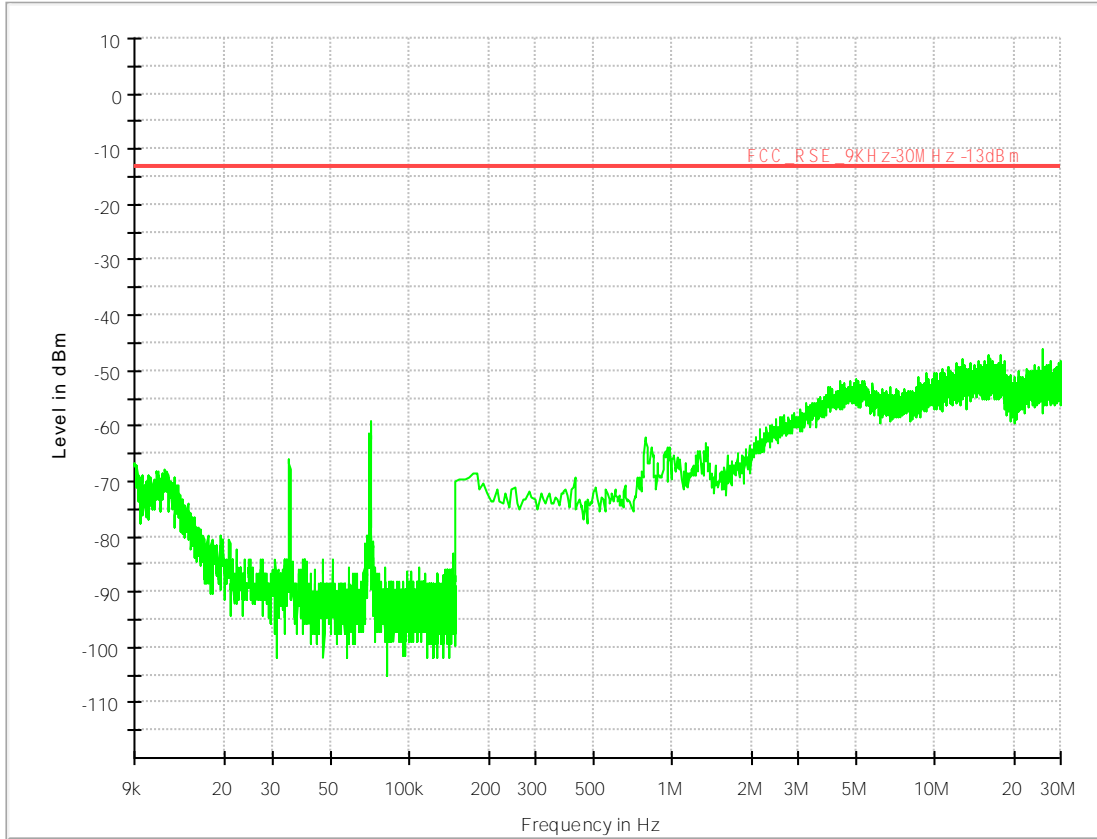
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



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

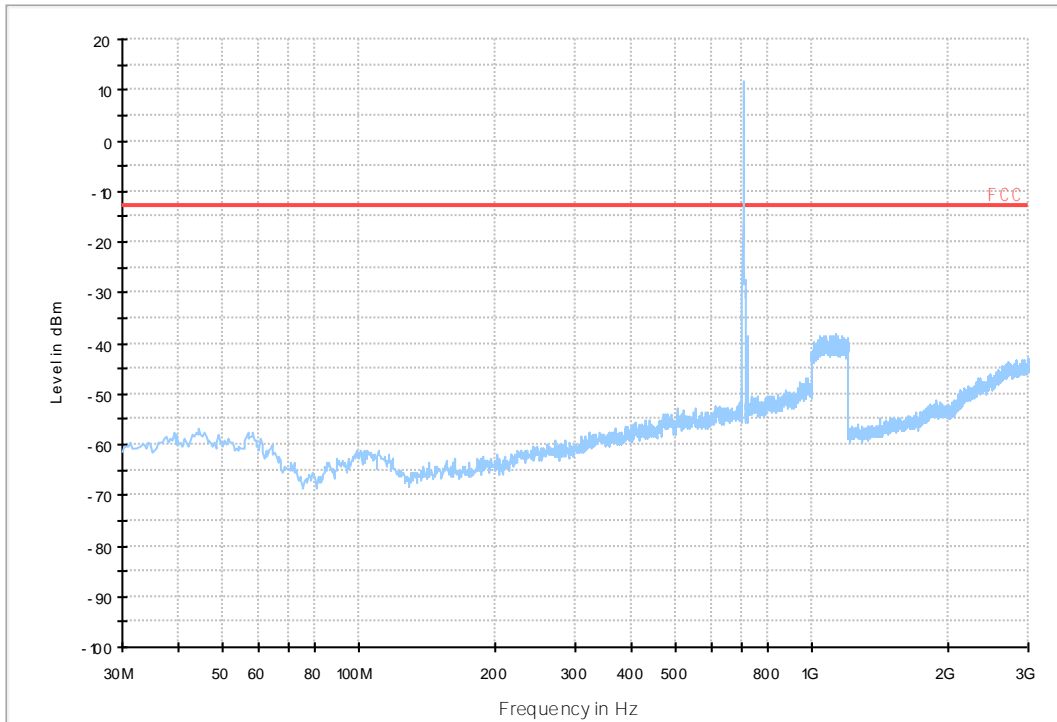


### 7.1.1.3 Test Bandwidth = 10

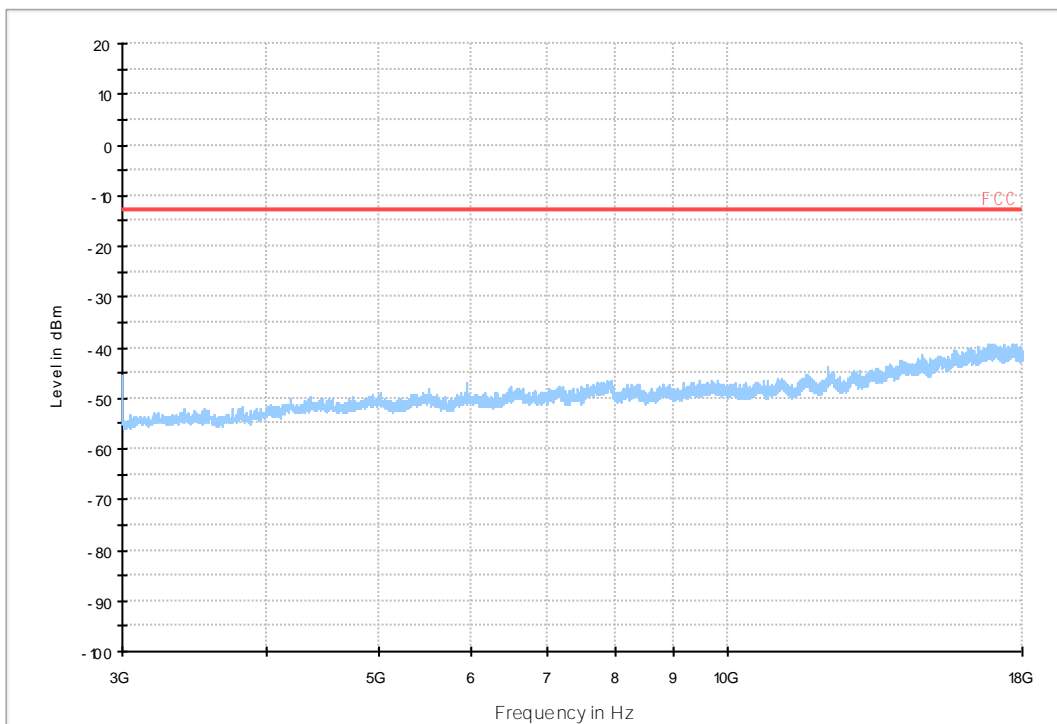




LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



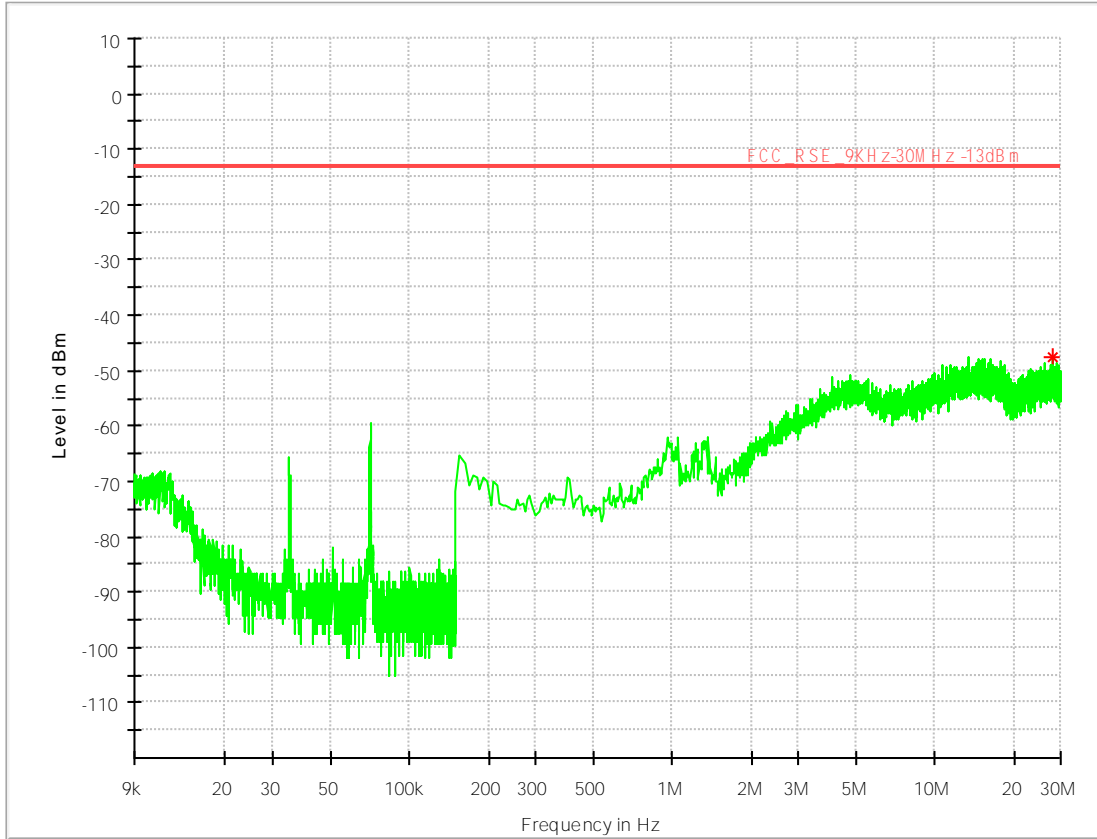
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



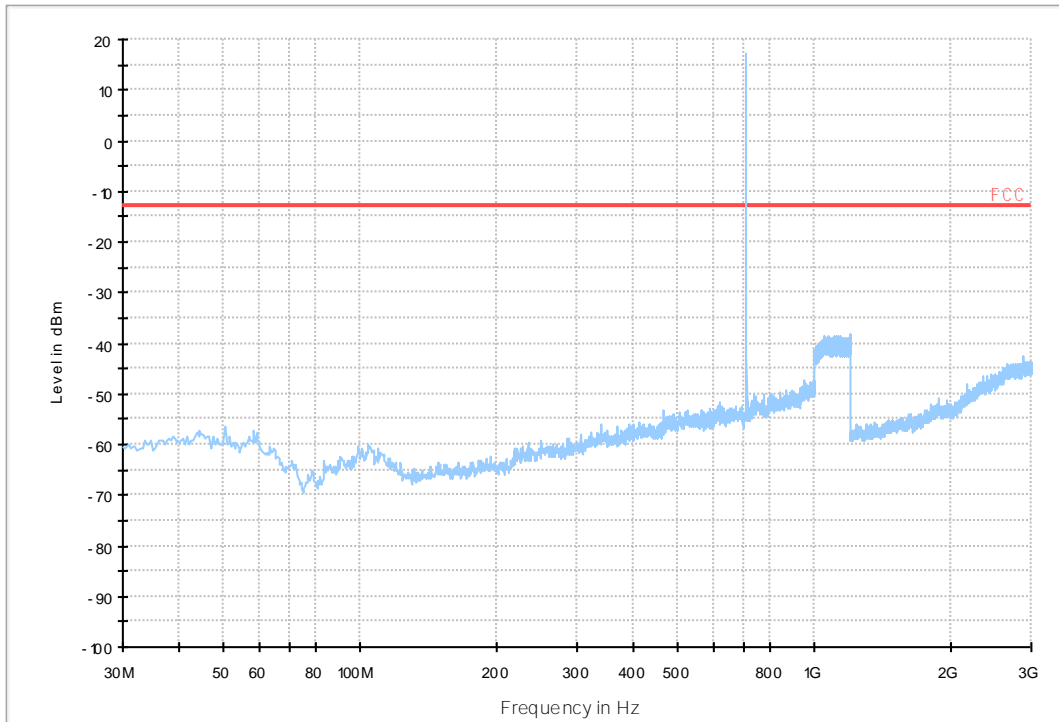


### 7.1.2 Test Band = BAND12\_ANT2

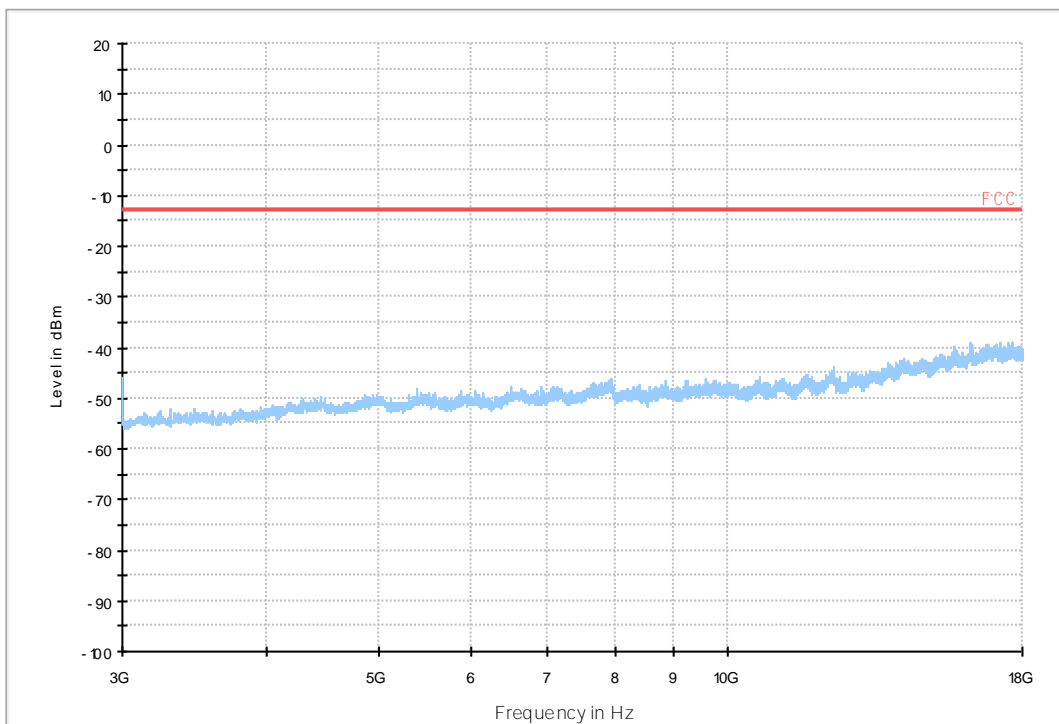
#### 7.1.2.1 Test Bandwidth = 1.4



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

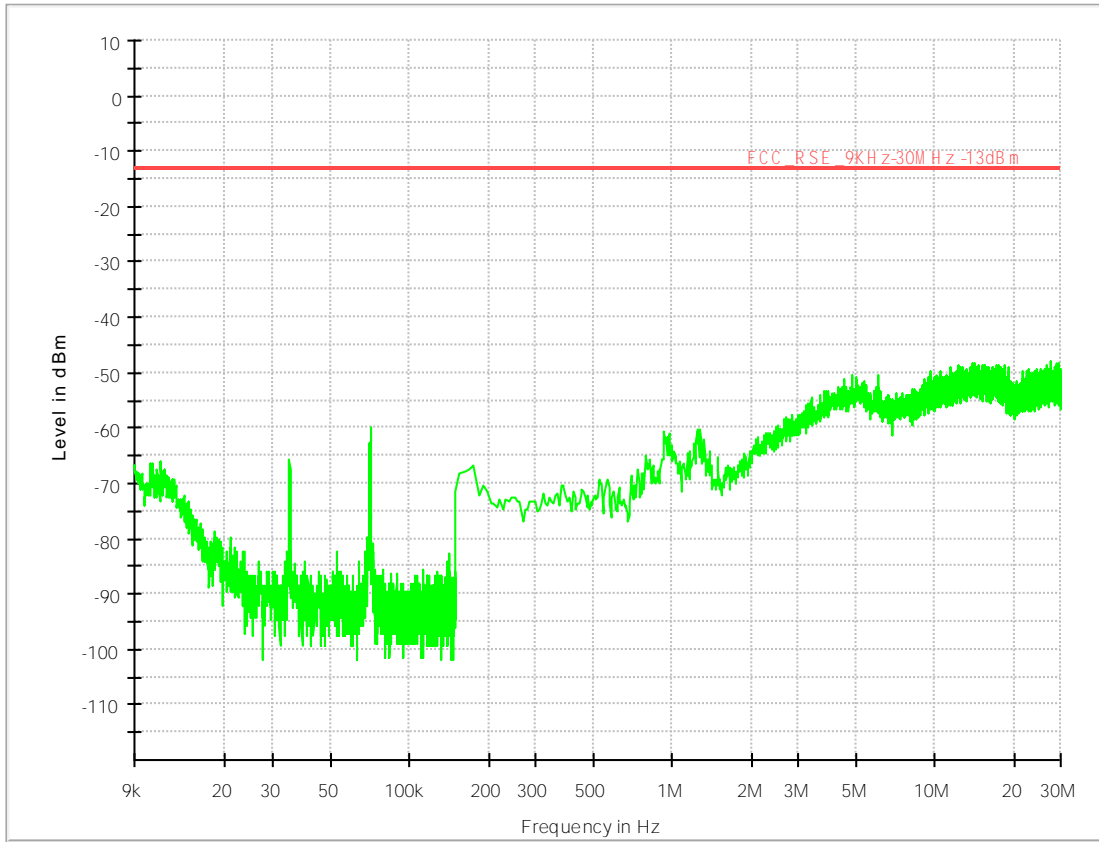


LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H

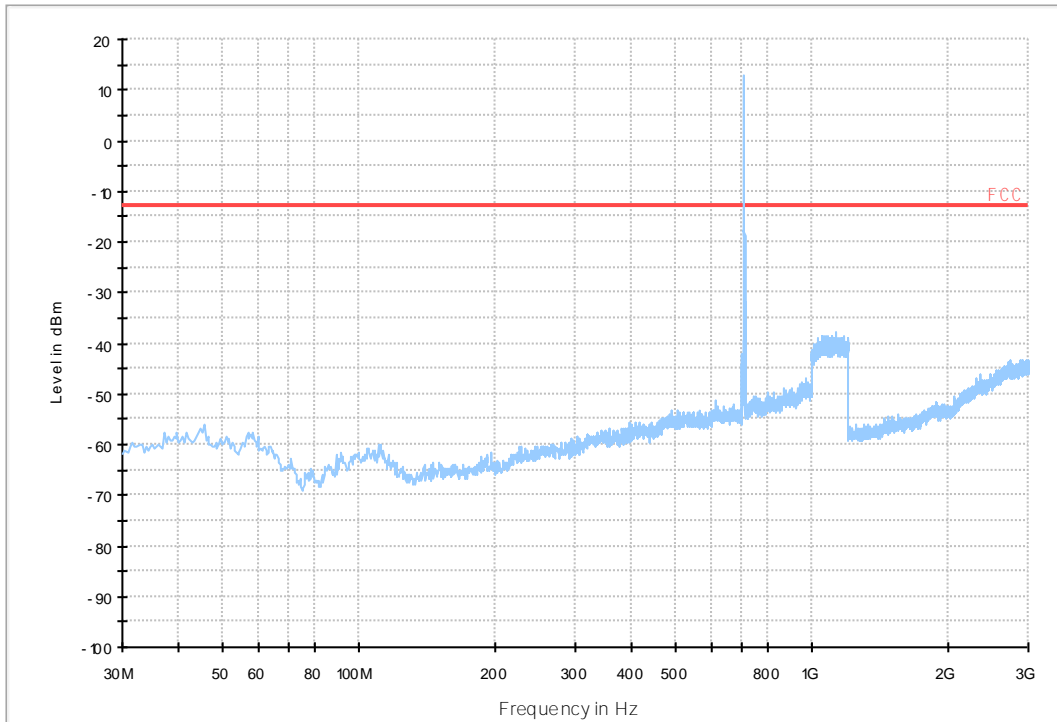




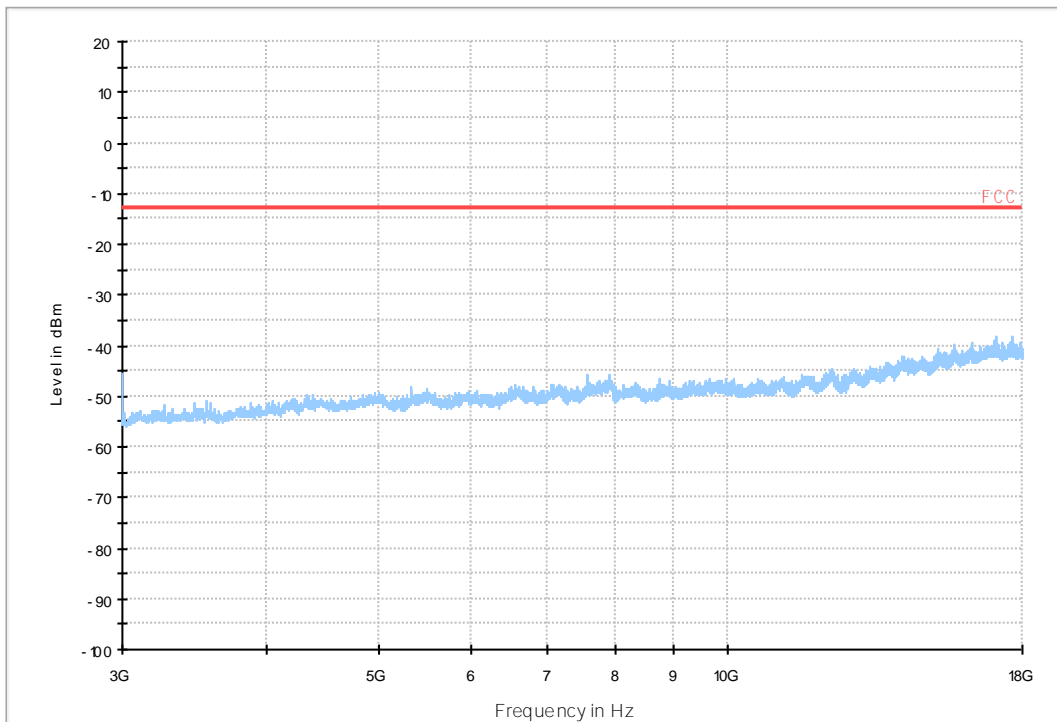
### 7.1.2.2 Test Bandwidth = 5



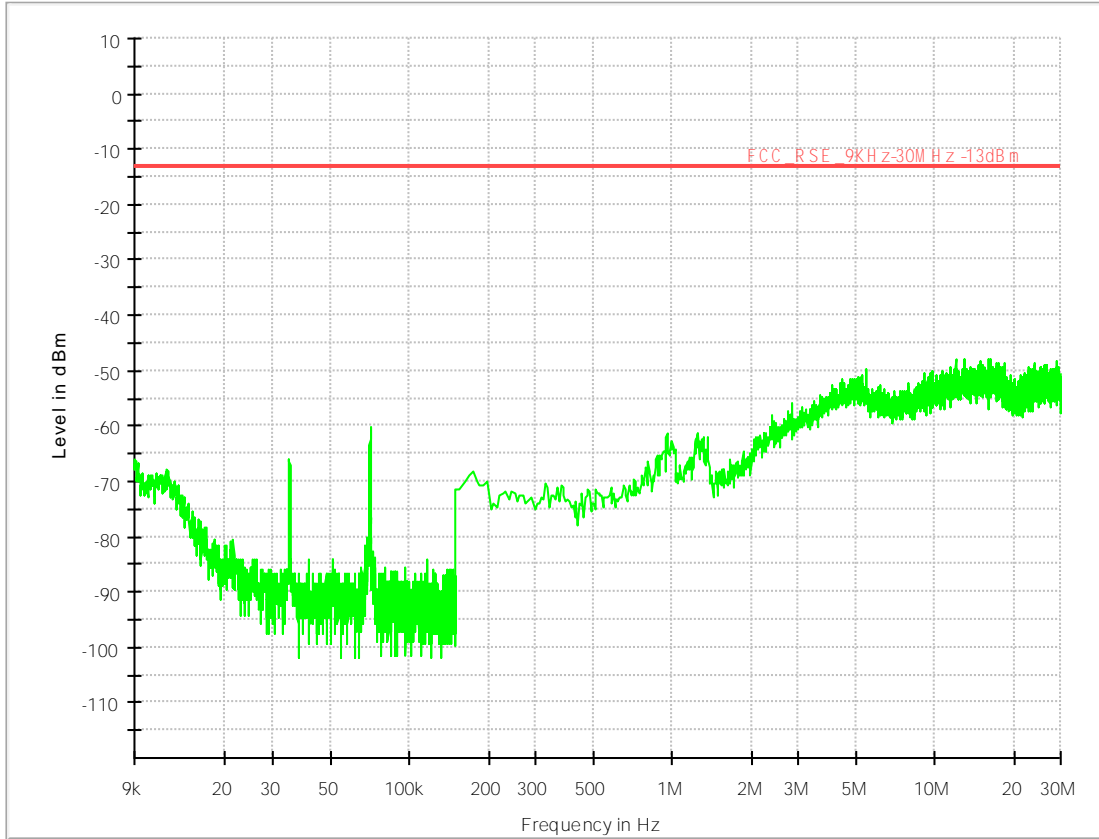
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



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



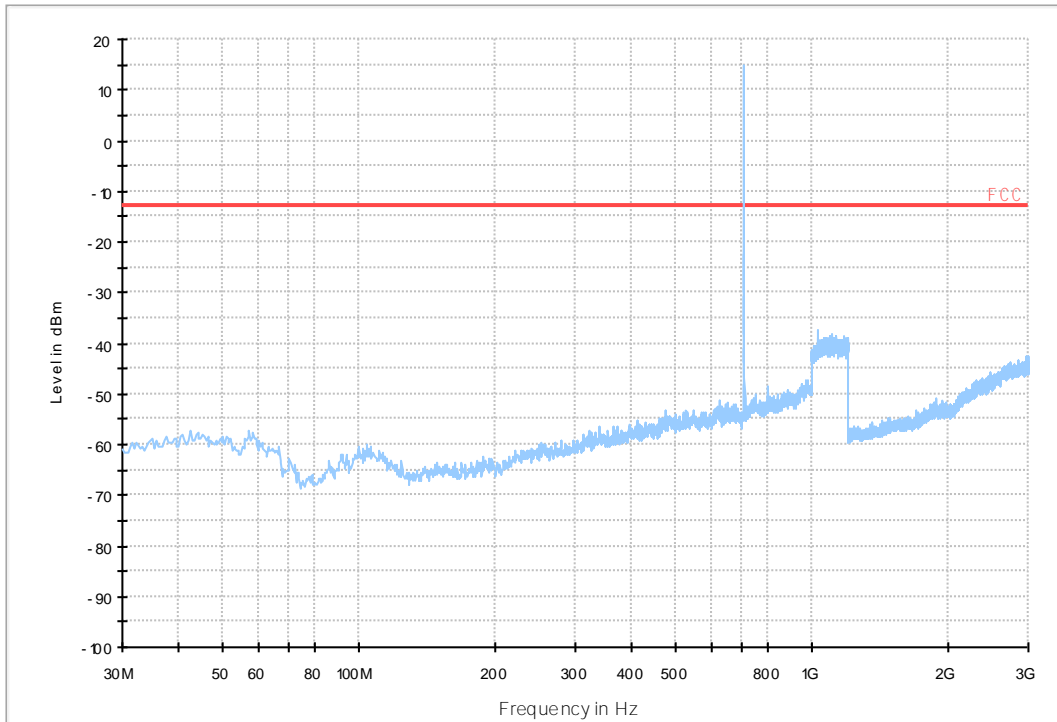
### 7.1.2.3 Test Bandwidth = 10



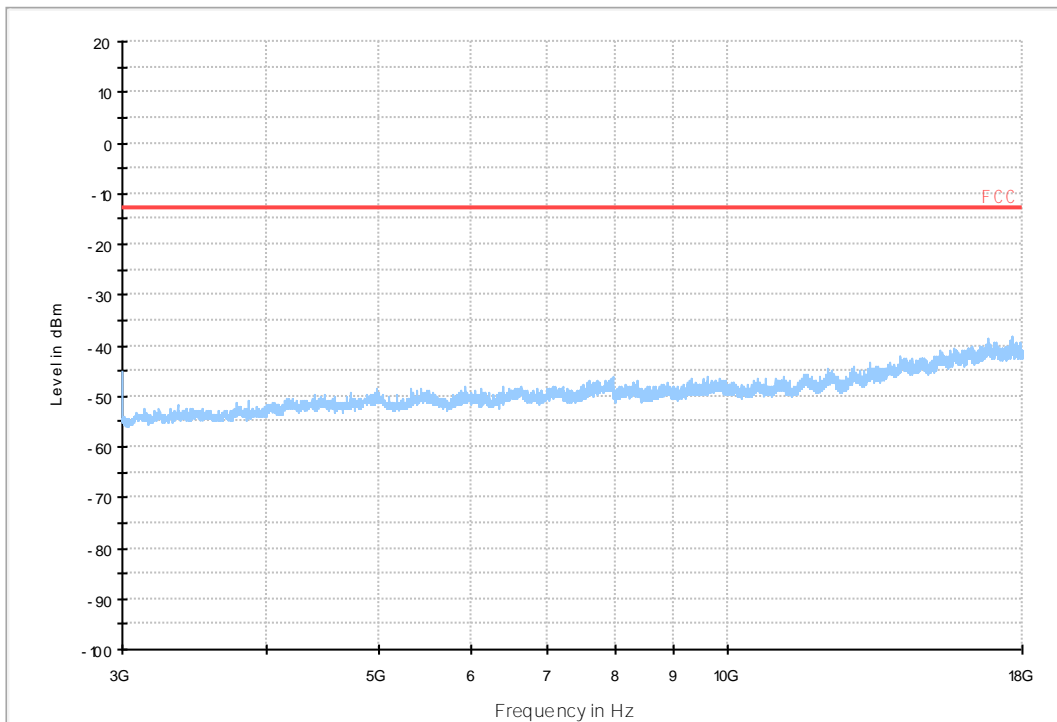




LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



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
BAND1 2	LTE/TM1	1.4	LCH	TN	VL	-9.42707	-0.01347	PASS
					VN	3.46184	0.00495	PASS
					VH	-16.36505	-0.02339	PASS
			MCH	TN	VL	4.83513	0.00683	PASS
					VN	3.07560	0.00435	PASS
					VH	-2.88963	-0.00408	PASS
			HCH	TN	VL	6.70910	0.00938	PASS
					VN	8.12531	0.01136	PASS
					VH	9.42707	0.01318	PASS
		3	LCH	TN	VL	-3.76225	-0.00537	PASS
					VN	2.01702	0.00288	PASS
					VH	2.44618	0.00349	PASS
			MCH	TN	VL	-1.07288	-0.00152	PASS
					VN	-3.20435	-0.00453	PASS
					VH	1.88827	0.00267	PASS
			HCH	TN	VL	1.85966	0.00260	PASS
					VN	-2.50339	-0.00350	PASS
					VH	4.43459	0.00621	PASS
		5	LCH	TN	VL	0.20027	0.00029	PASS
					VN	0.64373	0.00092	PASS
					VH	-1.73092	-0.00247	PASS
			MCH	TN	VL	-1.04427	-0.00148	PASS
					VN	4.94957	0.00700	PASS
					VH	-4.93527	-0.00698	PASS
			HCH	TN	VL	3.27587	0.00459	PASS
					VN	2.77519	0.00389	PASS
					VH	2.37465	0.00333	PASS
10	LCH	TN	VL	-2.36034	-0.00335	PASS		
			VN	1.60217	0.00228	PASS		
			VH	2.34604	0.00333	PASS		
	MCH	TN	VL	-1.90258	-0.00269	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
	LTE/TM2				VN	2.81811	0.00398	PASS	
					VH	-0.05722	-0.00008	PASS	
			HCH	TN	VL	2.14577	0.00302	PASS	
					VN	-0.01431	-0.00002	PASS	
			VH	0.32902	0.00046	PASS			
			1.4	LCH	TN	VL	-4.49181	-0.00642	PASS
		VN				-14.70566	-0.02102	PASS	
		VH				-12.35962	-0.01766	PASS	
		MCH		TN	VL	10.38551	0.01468	PASS	
					VN	-7.42436	-0.01049	PASS	
					VH	-1.47343	-0.00208	PASS	
		HCH		TN	VL	-2.11716	-0.00296	PASS	
					VN	5.59330	0.00782	PASS	
					VH	2.21729	0.00310	PASS	
		3		LCH	TN	VL	3.83377	0.00547	PASS
						VN	1.45912	0.00208	PASS
						VH	5.37872	0.00768	PASS
			MCH	TN	VL	3.91960	0.00554	PASS	
					VN	2.21729	0.00313	PASS	
					VH	7.65324	0.01082	PASS	
			HCH	TN	VL	0.85831	0.00120	PASS	
					VN	-1.53065	-0.00214	PASS	
					VH	1.77383	0.00248	PASS	
		5	LCH	TN	VL	1.38760	0.00198	PASS	
					VN	-3.74794	-0.00534	PASS	
					VH	-7.76768	-0.01107	PASS	
			MCH	TN	VL	-3.29018	-0.00465	PASS	
					VN	1.18732	0.00168	PASS	
					VH	7.05242	0.00997	PASS	
			HCH	TN	VL	-2.51770	-0.00353	PASS	
					VN	2.54631	0.00357	PASS	
					VH	2.24590	0.00315	PASS	
		10	LCH	TN	VL	1.41621	0.00201	PASS	
					VN	-0.91553	-0.00130	PASS	
					VH	-0.08583	-0.00012	PASS	
			MCH	TN	VL	0.55790	0.00079	PASS	
					VN	-2.26021	-0.00319	PASS	
					VH	-1.70231	-0.00241	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	0.01431	0.00002	PASS
					VN	-0.58651	-0.00082	PASS
					VH	-1.08719	-0.00153	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/TM 1	1.4	LCH	VN	-30	-0.95844	-0.00137	PASS
					-20	2.21729	0.00317	PASS
					-10	-1.02997	-0.00147	PASS
					0	4.94957	0.00707	PASS
					10	3.50475	0.00501	PASS
					20	3.46184	0.00495	PASS
					30	5.92232	0.00846	PASS
					40	-3.67641	-0.00525	PASS
					50	2.54631	0.00364	PASS
			MCH	VN	-30	-12.71725	-0.01797	PASS
					-20	2.31743	0.00328	PASS
					-10	0.25749	0.00036	PASS
					0	-2.94685	-0.00417	PASS
					10	6.43730	0.00910	PASS
					20	3.07560	0.00435	PASS
					30	-17.45224	-0.02467	PASS
					40	-0.28610	-0.00040	PASS
			HCH	VN	-30	3.91960	0.00548	PASS
					-20	-11.18660	-0.01564	PASS
					-10	-2.68936	-0.00376	PASS
					0	-5.52177	-0.00772	PASS
					10	8.25405	0.01154	PASS
					20	8.12531	0.01136	PASS
					30	-1.05858	-0.00148	PASS
40	-5.93662	-0.00830			PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		3	LCH	VN	50	1.84536	0.00258	PASS
					-30	-5.32150	-0.00760	PASS
					-20	-1.23024	-0.00176	PASS
					-10	-3.13282	-0.00447	PASS
					0	-2.27451	-0.00325	PASS
					10	-1.33038	-0.00190	PASS
					20	2.01702	0.00288	PASS
					30	-0.55790	-0.00080	PASS
					40	1.15871	0.00165	PASS
			50	4.73499	0.00676	PASS		
			MCH	VN	-30	-0.25749	-0.00036	PASS
					-20	1.02997	0.00146	PASS
					-10	-0.68665	-0.00097	PASS
					0	-1.81675	-0.00257	PASS
					10	-9.26971	-0.01310	PASS
					20	-3.20435	-0.00453	PASS
					30	-4.82082	-0.00681	PASS
					40	5.96523	0.00843	PASS
		50	-7.48158	-0.01057	PASS			
		HCH	VN	-30	1.10149	0.00154	PASS	
				-20	7.52449	0.01053	PASS	
				-10	-0.15736	-0.00022	PASS	
				0	0.30041	0.00042	PASS	
				10	-2.50339	-0.00350	PASS	
				20	-2.50339	-0.00350	PASS	
				30	0.91553	0.00128	PASS	
				40	7.72476	0.01081	PASS	
		50	-5.43594	-0.00761	PASS			
		5	LCH	VN	-30	-2.84672	-0.00406	PASS
					-20	4.73499	0.00675	PASS
					-10	4.30584	0.00614	PASS
					0	-7.76768	-0.01107	PASS
					10	-0.31471	-0.00045	PASS
					20	0.64373	0.00092	PASS
					30	-3.07560	-0.00438	PASS
					40	-7.35283	-0.01048	PASS
					50	-1.54495	-0.00220	PASS
			MCH	VN	-30	2.30312	0.00326	PASS
					-20	-1.18732	-0.00168	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	-0.90122	-0.00127	PASS		
					0	1.47343	0.00208	PASS		
					10	-1.54495	-0.00218	PASS		
					20	4.94957	0.00700	PASS		
					30	1.67370	0.00237	PASS		
					40	0.45776	0.00065	PASS		
					50	-1.60217	-0.00226	PASS		
			HCH	VN	-30	3.29018	0.00461	PASS		
					-20	-0.50068	-0.00070	PASS		
					-10	5.26428	0.00738	PASS		
					0	0.52929	0.00074	PASS		
					10	-2.51770	-0.00353	PASS		
					20	2.77519	0.00389	PASS		
					30	-1.78814	-0.00251	PASS		
		LCH	VN	40	5.65052	0.00792	PASS			
				50	-0.14305	-0.00020	PASS			
				-30	3.30448	0.00469	PASS			
				-20	0.70095	0.00100	PASS			
				-10	1.40190	0.00199	PASS			
				0	-0.70095	-0.00100	PASS			
				10	-0.15736	-0.00022	PASS			
		10	MCH	VN	20	1.60217	0.00228	PASS		
					30	2.10285	0.00299	PASS		
					40	3.91960	0.00557	PASS		
					50	3.97682	0.00565	PASS		
					-30	0.14305	0.00020	PASS		
					-20	2.13146	0.00301	PASS		
					-10	0.75817	0.00107	PASS		
			HCH	VN	0	0.47207	0.00067	PASS		
					10	1.08719	0.00154	PASS		
					20	2.81811	0.00398	PASS		
					30	1.53065	0.00216	PASS		
					40	-0.67234	-0.00095	PASS		
					50	-0.51498	-0.00073	PASS		
					-30	-0.77248	-0.00109	PASS		
							-20	-0.17166	-0.00024	PASS
							-10	0.50068	0.00070	PASS
							0	3.14712	0.00443	PASS
							10	1.95980	0.00276	PASS





Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM 2	1.4			20	-0.01431	-0.00002	PASS
					30	2.47478	0.00348	PASS
					40	0.38624	0.00054	PASS
					50	-0.75817	-0.00107	PASS
			LCH	VN	-30	6.68049	0.00955	PASS
					-20	-9.91344	-0.01417	PASS
					-10	6.27994	0.00898	PASS
					0	-17.12322	-0.02447	PASS
					10	-7.19547	-0.01028	PASS
					20	-14.70566	-0.02102	PASS
					30	-2.30312	-0.00329	PASS
					40	5.85079	0.00836	PASS
					50	0.34332	0.00049	PASS
					MCH	VN	-30	1.57356
	-20	10.19955	0.01442	PASS				
	-10	4.29153	0.00607	PASS				
	0	1.74522	0.00247	PASS				
	10	-4.39167	-0.00621	PASS				
	20	-7.42436	-0.01049	PASS				
	HCH	VN	30	-0.27180	-0.00038	PASS		
			40	1.35899	0.00192	PASS		
			50	5.63621	0.00797	PASS		
			-30	9.49860	0.01328	PASS		
			-20	-11.73019	-0.01640	PASS		
			-10	1.70231	0.00238	PASS		
			0	-2.37465	-0.00332	PASS		
			10	-2.54631	-0.00356	PASS		
	3	LCH	VN	20	5.59330	0.00782	PASS	
				30	0.64373	0.00090	PASS	
				40	23.70358	0.03314	PASS	
50				11.50131	0.01608	PASS		
-30				-1.70231	-0.00243	PASS		
-20				9.57012	0.01366	PASS		
					-10	-2.57492	-0.00368	PASS
					0	1.57356	0.00225	PASS
					10	1.18732	0.00169	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					20	1.45912	0.00208	PASS	
					30	5.03540	0.00719	PASS	
					40	-0.31471	-0.00045	PASS	
					50	-3.63350	-0.00519	PASS	
			MCH	VN	-30	-5.86510	-0.00829	PASS	
					-20	-1.61648	-0.00228	PASS	
					-10	3.20435	0.00453	PASS	
					0	3.64780	0.00516	PASS	
					10	-1.95980	-0.00277	PASS	
					20	2.21729	0.00313	PASS	
					30	9.18388	0.01298	PASS	
					40	-3.07560	-0.00435	PASS	
			HCH	VN	50	-3.91960	-0.00554	PASS	
					-30	-0.81539	-0.00114	PASS	
					-20	2.30312	0.00322	PASS	
					-10	1.13010	0.00158	PASS	
					0	-2.27451	-0.00318	PASS	
					10	-2.20299	-0.00308	PASS	
					20	-1.53065	-0.00214	PASS	
					30	4.42028	0.00619	PASS	
			5	LCH	VN	40	3.77655	0.00529	PASS
						50	-1.45912	-0.00204	PASS
						-30	-1.95980	-0.00279	PASS
						-20	4.11987	0.00587	PASS
						-10	-5.80788	-0.00828	PASS
						0	-1.24455	-0.00177	PASS
						10	3.07560	0.00438	PASS
						20	-3.74794	-0.00534	PASS
				MCH	VN	30	5.02109	0.00716	PASS
						40	-3.86238	-0.00551	PASS
						50	-1.44482	-0.00206	PASS
						-30	5.73635	0.00811	PASS
						-20	2.14577	0.00303	PASS
						-10	-1.71661	-0.00243	PASS
						0	2.61784	0.00370	PASS
						10	-1.02997	-0.00146	PASS
			20	1.18732	0.00168	PASS			
			30	-2.86102	-0.00404	PASS			
			40	-1.77383	-0.00251	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					50	0.57220	0.00081	PASS	
			HCH	VN	-30	-1.30177	-0.00182	PASS	
					-20	-3.17573	-0.00445	PASS	
					-10	1.13010	0.00158	PASS	
					0	0.07153	0.00010	PASS	
					10	5.79357	0.00812	PASS	
					20	2.54631	0.00357	PASS	
					30	2.67506	0.00375	PASS	
					40	0.41485	0.00058	PASS	
					50	-2.27451	-0.00319	PASS	
					LCH	VN	-30	-1.65939	-0.00236
			-20	0.80109			0.00114	PASS	
			-10	4.40597			0.00626	PASS	
			0	-0.84400			-0.00120	PASS	
			10	-3.08990			-0.00439	PASS	
			20	-0.91553			-0.00130	PASS	
			30	-0.72956			-0.00104	PASS	
			40	2.37465			0.00337	PASS	
			50	-0.28610			-0.00041	PASS	
		10	MCH	VN	-30	0.80109	0.00113	PASS	
						-20	-1.53065	-0.00216	PASS
						-10	0.05722	0.00008	PASS
						0	-0.64373	-0.00091	PASS
						10	1.24455	0.00176	PASS
						20	-2.26021	-0.00319	PASS
						30	-0.65804	-0.00093	PASS
						40	4.74930	0.00671	PASS
						50	0.38624	0.00055	PASS
			HCH	VN	-30	0.35763	0.00050	PASS	
					-20	0.55790	0.00078	PASS	
					-10	-2.96116	-0.00416	PASS	
					0	-0.90122	-0.00127	PASS	
					10	-1.45912	-0.00205	PASS	
					20	-0.58651	-0.00082	PASS	
					30	-0.37193	-0.00052	PASS	
					40	-2.18868	-0.00308	PASS	
					50	-1.14441	-0.00161	PASS	

END