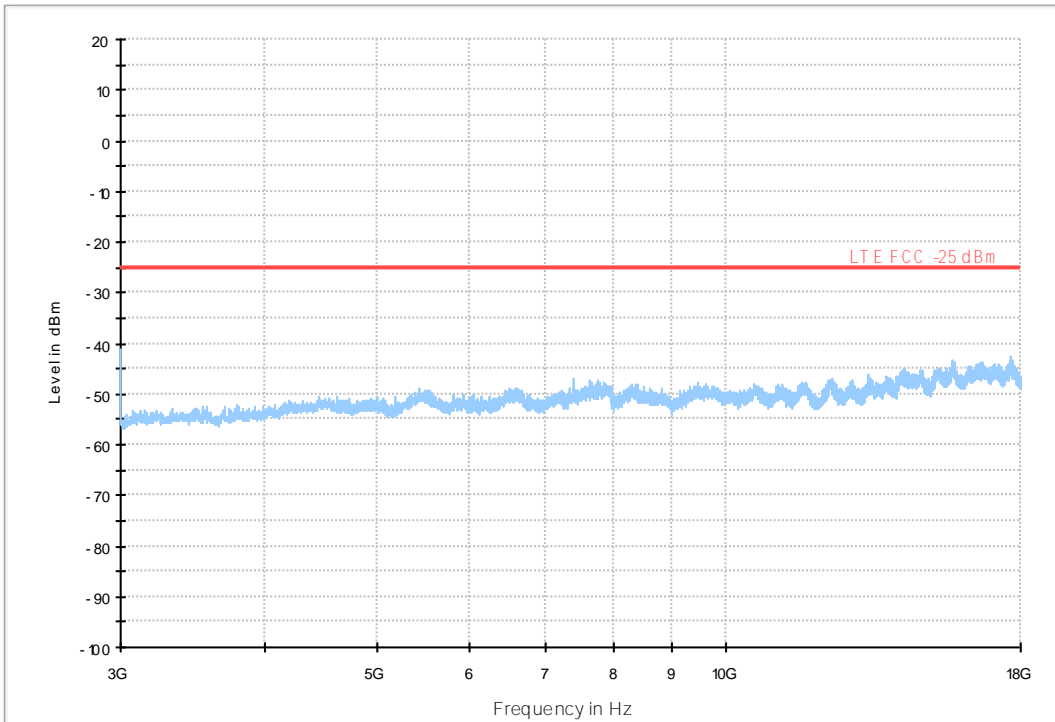
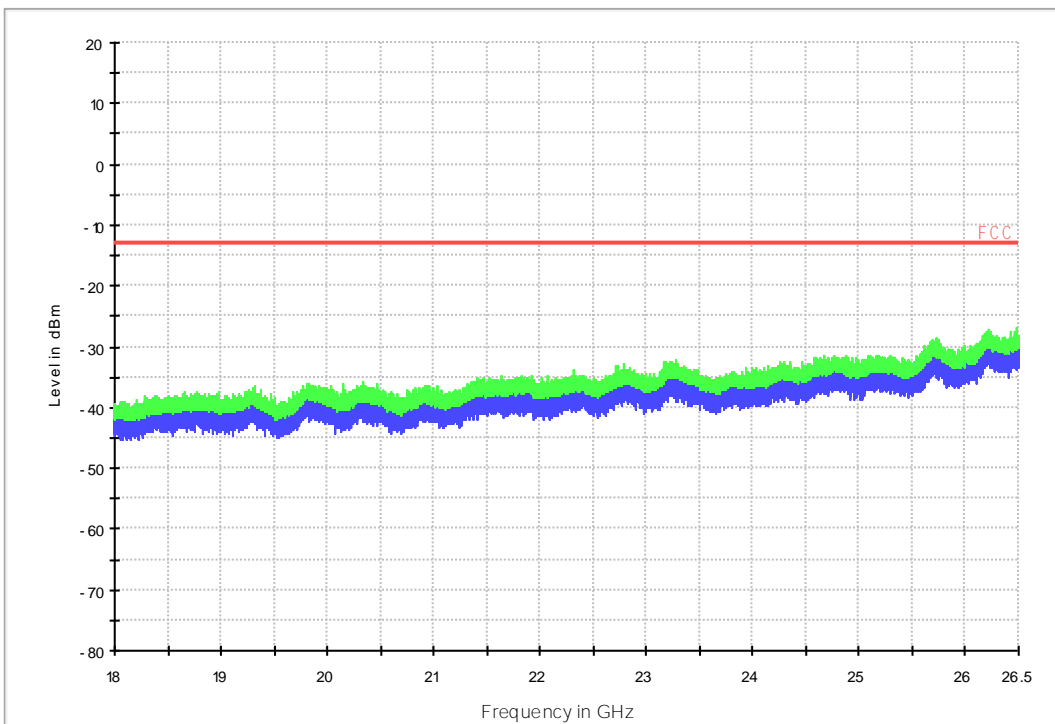


LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit

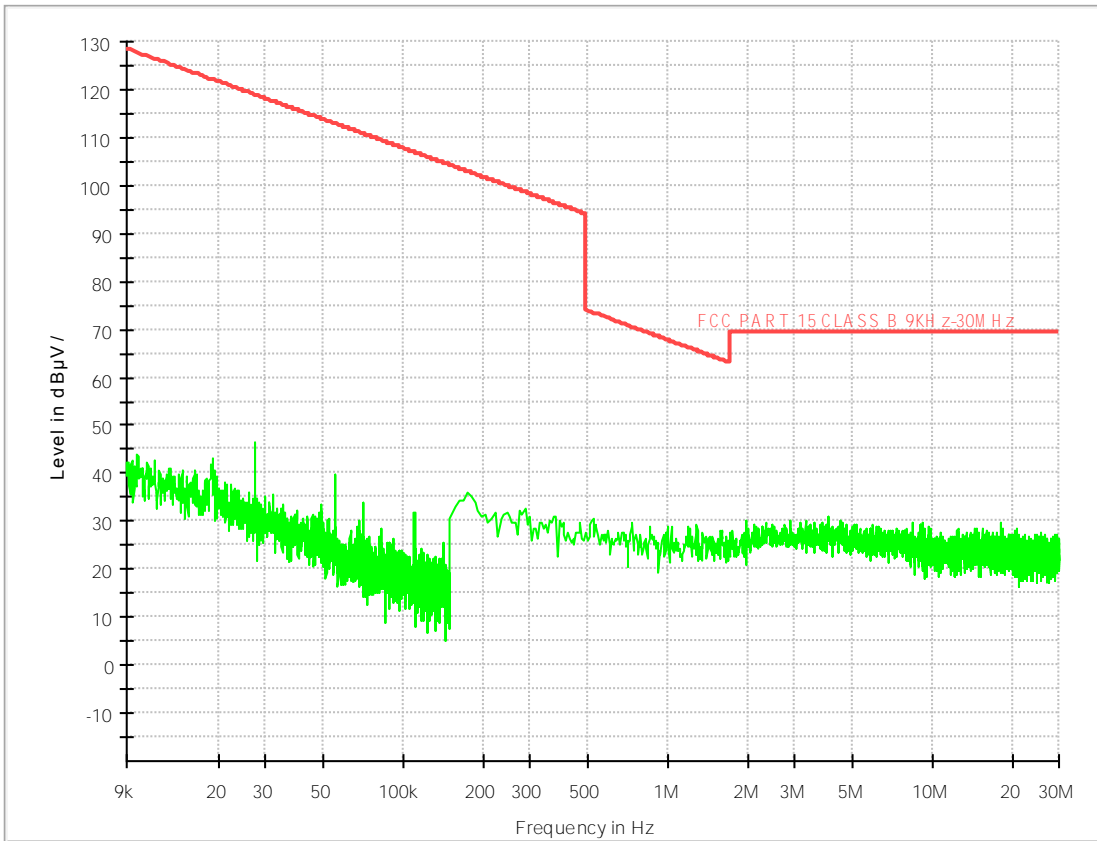


18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

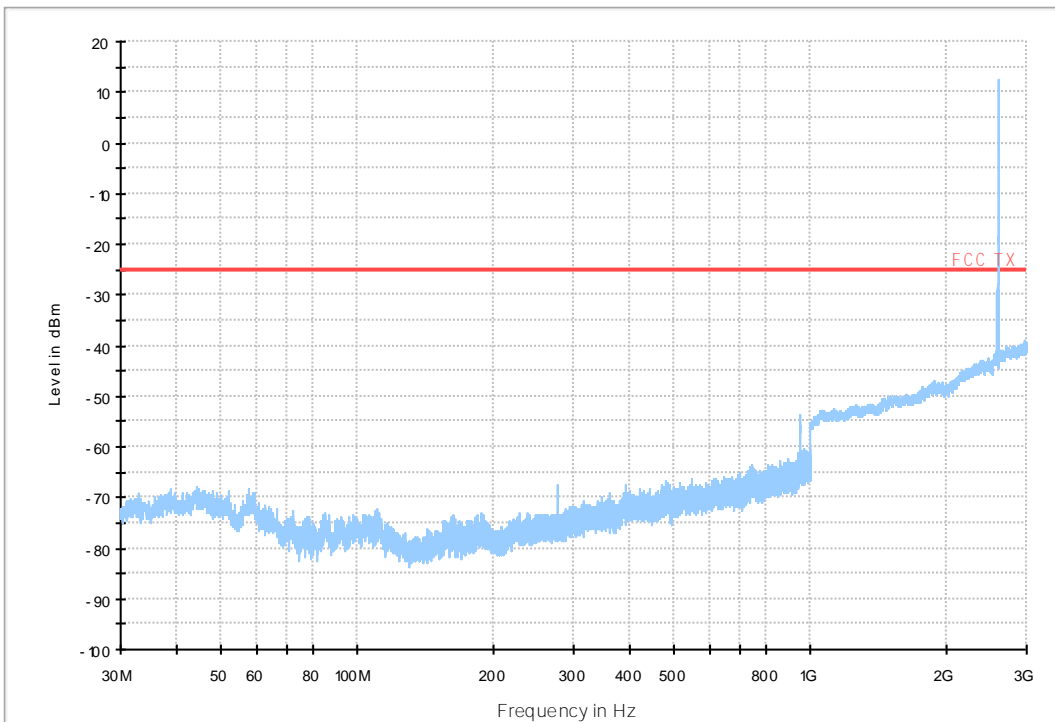


7.1.2 Test Band = BAND41_ANT2

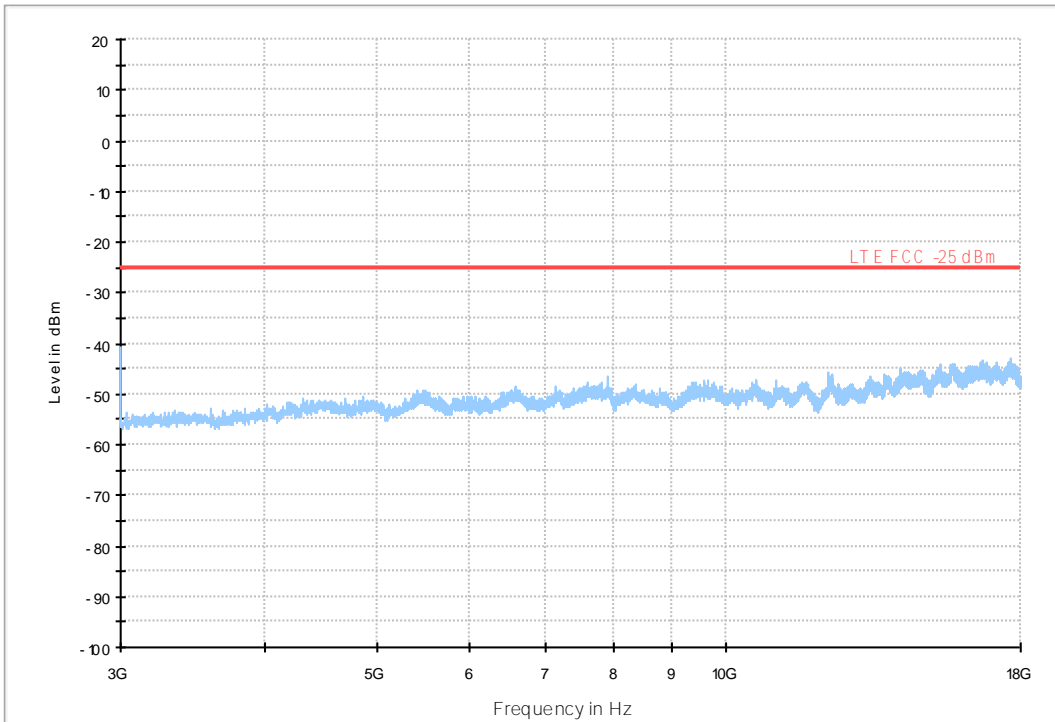
7.1.2.1 Test Bandwidth = 5



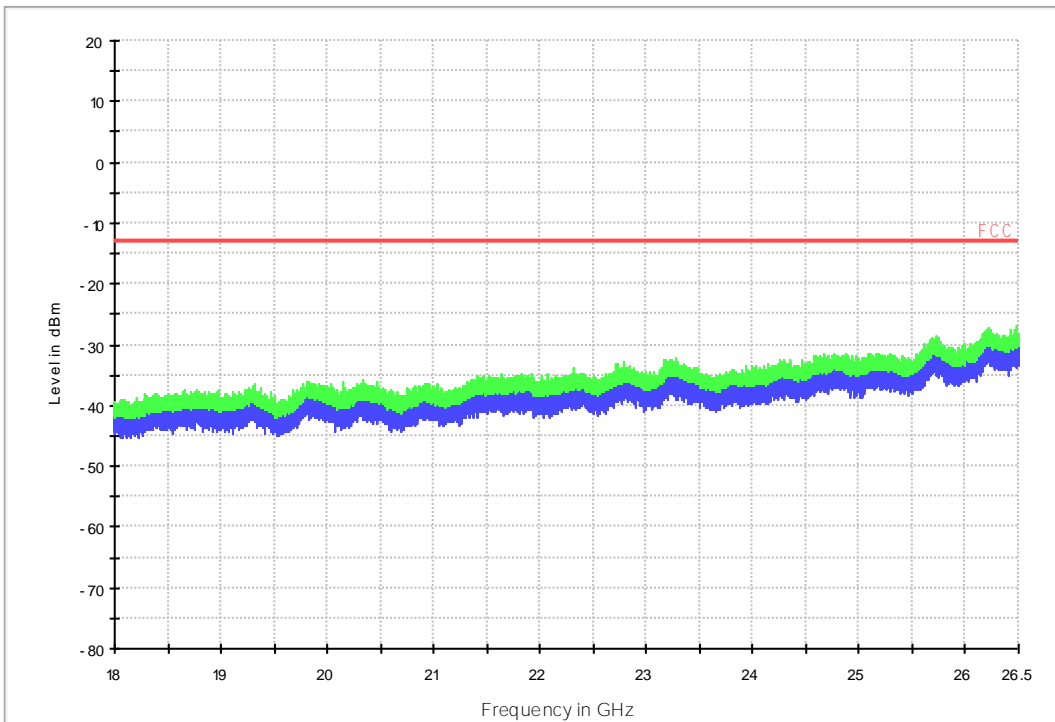
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



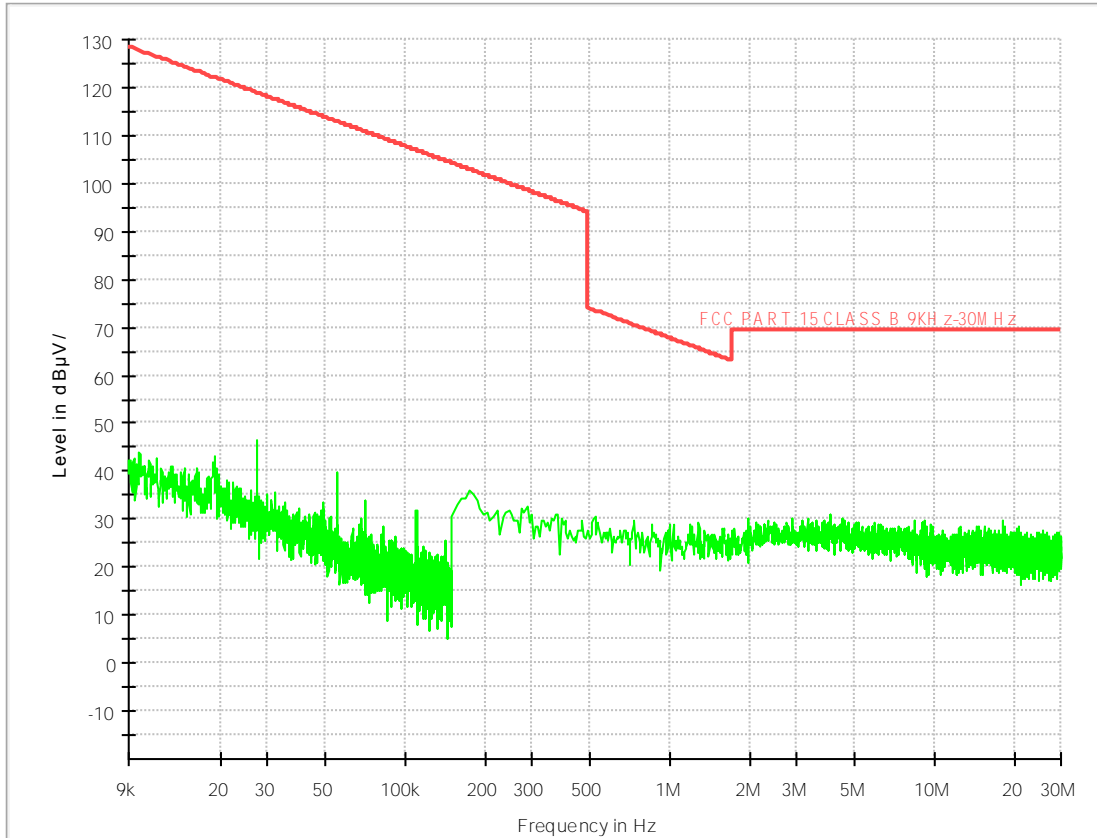
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



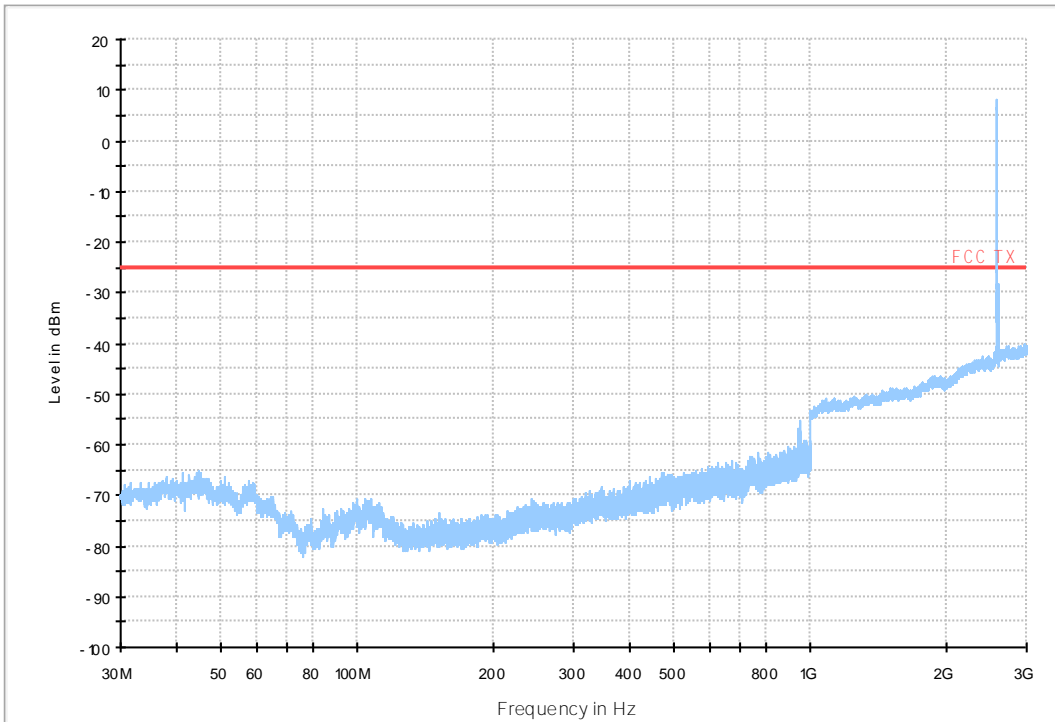
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



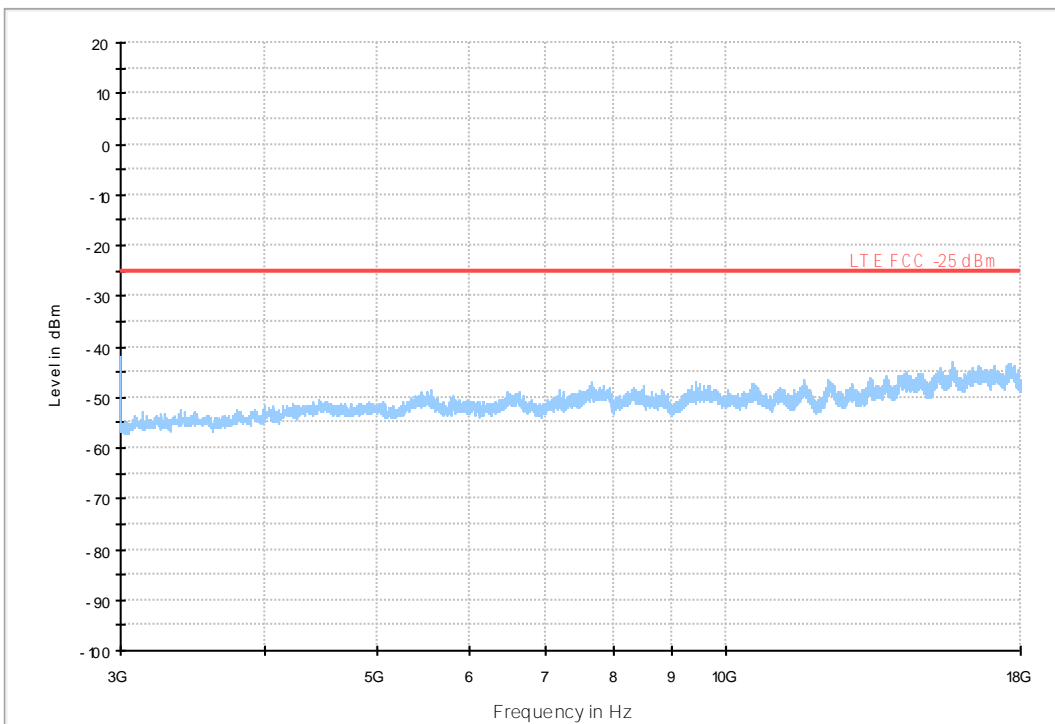
7.1.2.2 Test Bandwidth = 20



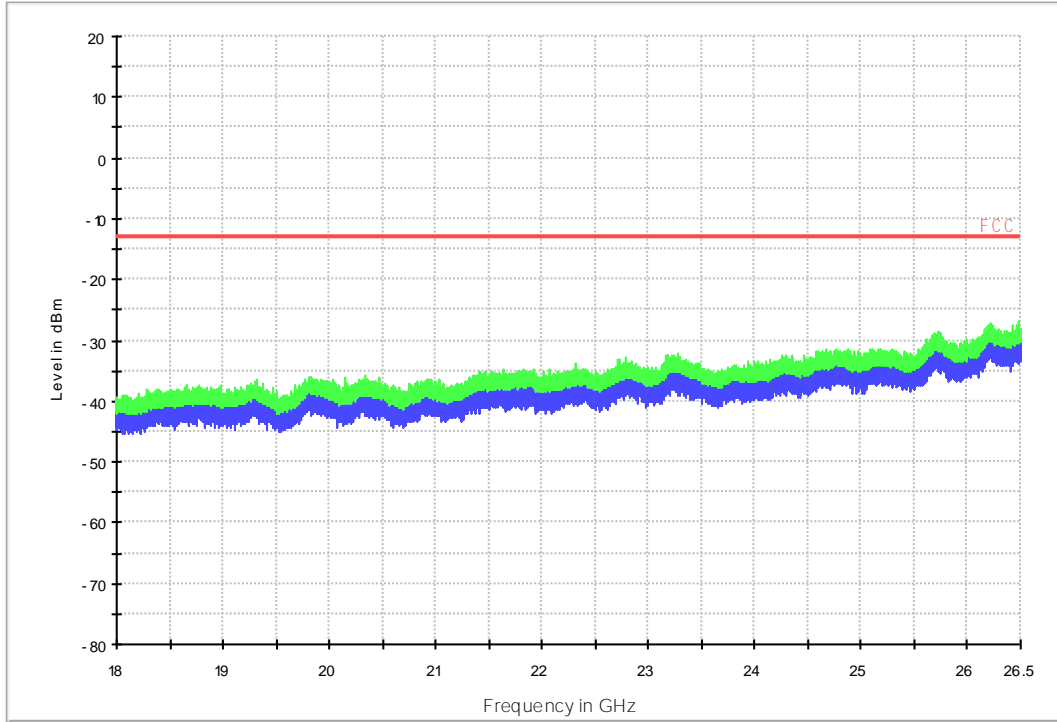
LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE TDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



18G- 26.5G R SE-TX-DIRECT OR ABOVE 1.5G PK



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND41	LTE/TM1	5	LCH	TN	VL	-32.17	-0.01263	PASS
					VN	-30.56	-0.012	PASS
					VH	-28.68	-0.01126	PASS
			MCH	TN	VL	-32.43	-0.01247	PASS
					VN	-28.00	-0.01077	PASS
					VH	-25.16	-0.00968	PASS
			HCH	TN	VL	-49.37	-0.01861	PASS
					VN	-30.67	-0.01156	PASS
					VH	-30.31	-0.01143	PASS
		10	LCH	TN	VL	-27.69	-0.01086	PASS
					VN	-52.74	-0.02068	PASS
					VH	-41.57	-0.0163	PASS
			MCH	TN	VL	-29.63	-0.0114	PASS
					VN	-29.88	-0.01149	PASS
					VH	-29.75	-0.01144	PASS
			HCH	TN	VL	-29.48	-0.01112	PASS
					VN	-33.83	-0.01277	PASS
					VH	-27.15	-0.01025	PASS
		15	LCH	TN	VL	-25.69	-0.01006	PASS
					VN	-26.06	-0.01021	PASS
					VH	-26.52	-0.01039	PASS
			MCH	TN	VL	-31.30	-0.01204	PASS
					VN	-31.74	-0.01221	PASS
					VH	-30.21	-0.01162	PASS
			HCH	TN	VL	4.41	0.00167	PASS
					VN	3.50	0.00132	PASS
					VH	2.25	0.00085	PASS
		20	LCH	TN	VL	-26.02	-0.01018	PASS
					VN	-27.91	-0.01092	PASS
					VH	-24.18	-0.00946	PASS
			MCH	TN	VL	-30.77	-0.01183	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	-32.13	-0.01236	PASS
					VH	-31.86	-0.01225	PASS
					VL	-26.97	-0.0102	PASS
			VN	-38.65	-0.01461	PASS		
			VH	-31.04	-0.01174	PASS		
			VL	-30.33	-0.01191	PASS		
		5	LCH	TN	VN	-24.43	-0.00959	PASS
					VH	-29.75	-0.01168	PASS
					VL	-32.46	-0.01248	PASS
			MCH	TN	VN	-28.28	-0.01088	PASS
					VH	-27.28	-0.01049	PASS
					VL	-51.60	-0.01945	PASS
	HCH		TN	VN	-67.99	-0.02563	PASS	
				VH	-28.05	-0.01057	PASS	
				VL	-30.91	-0.01212	PASS	
	10		LCH	TN	VN	-28.05	-0.011	PASS
					VH	-33.07	-0.01297	PASS
					VL	-31.31	-0.01204	PASS
		MCH	TN	VN	-29.87	-0.01149	PASS	
				VH	-34.78	-0.01338	PASS	
				VL	-27.12	-0.01023	PASS	
		HCH	TN	VN	-52.60	-0.01985	PASS	
				VH	-44.35	-0.01674	PASS	
				VL	-27.45	-0.01075	PASS	
		15	LCH	TN	VN	-27.91	-0.01093	PASS
					VH	-25.45	-0.00997	PASS
					VL	-29.68	-0.01142	PASS
	MCH		TN	VN	-30.21	-0.01162	PASS	
				VH	-31.81	-0.01223	PASS	
				VL	-24.88	-0.0094	PASS	
	HCH		TN	VN	-3.42	-0.00129	PASS	
				VH	-20.13	-0.0076	PASS	
				VL	-24.88	-0.00974	PASS	
	20		LCH	TN	VN	-27.09	-0.0106	PASS
					VH	-27.59	-0.0108	PASS
					VL	-32.82	-0.01262	PASS
		MCH	TN	VN	-29.13	-0.0112	PASS	
				VH	-31.06	-0.01195	PASS	
				VL	-32.29	-0.01221	PASS	
		HCH	TN	VN	-32.13	-0.01236	PASS	
				VH	-31.86	-0.01225	PASS	
				VL	-26.97	-0.0102	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-36.75	-0.01389	PASS
					VH	-30.43	-0.0115	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
BAND41	LTE/TM1	5	LCH	VN	-30	-27.38	-0.01075	PASS
					-20	-32.42	-0.01273	PASS
					-10	-32.11	-0.0126	PASS
					0	-26.08	-0.01024	PASS
					10	-27.95	-0.01097	PASS
					20	-31.03	-0.01218	PASS
					30	-30.43	-0.01195	PASS
					40	-26.69	-0.01048	PASS
			50	-33.89	-0.0133	PASS		
			MCH	VN	-30	-34.35	-0.01321	PASS
					-20	-30.91	-0.01189	PASS
					-10	-26.52	-0.0102	PASS
					0	-28.01	-0.01077	PASS
					10	-29.44	-0.01132	PASS
					20	-27.74	-0.01067	PASS
					30	-31.34	-0.01205	PASS
		40			-31.36	-0.01206	PASS	
		50	-29.54	-0.01136	PASS			
		HCH	VN	-30	-29.50	-0.01112	PASS	
				-20	-59.01	-0.02225	PASS	
				-10	-60.20	-0.0227	PASS	
				0	-31.17	-0.01175	PASS	
				10	-29.18	-0.011	PASS	
				20	-57.44	-0.02166	PASS	
				30	-67.12	-0.0253	PASS	
				40	-34.78	-0.01311	PASS	
		50	-27.39	-0.01033	PASS			
		10	LCH	VN	-30	-45.45	-0.01782	PASS
-20	-28.95				-0.01135	PASS		
-10	-26.16				-0.01026	PASS		
0	-44.30				-0.01737	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-49.68	-0.01948	PASS
					20	-29.15	-0.01143	PASS
					30	-30.93	-0.01213	PASS
					40	-29.81	-0.01169	PASS
					50	-45.86	-0.01798	PASS
			MCH	VN	-30	-30.93	-0.0119	PASS
					-20	-30.57	-0.01176	PASS
					-10	-31.89	-0.01227	PASS
					0	-31.59	-0.01215	PASS
					10	-27.81	-0.0107	PASS
					20	-34.66	-0.01333	PASS
					30	-31.26	-0.01202	PASS
			HCH	VN	-40	-27.91	-0.01073	PASS
					50	-31.20	-0.012	PASS
					-30	-25.08	-0.00946	PASS
					-20	-54.92	-0.02072	PASS
					-10	-45.43	-0.01714	PASS
					0	-47.12	-0.01778	PASS
					10	-40.88	-0.01543	PASS
			15	LCH	VN	20	-29.64	-0.01118
		30				-32.20	-0.01215	PASS
		40				-28.28	-0.01067	PASS
		50				-29.44	-0.01111	PASS
		-30				-26.12	-0.01023	PASS
		-20				-22.77	-0.00892	PASS
		-10				-24.28	-0.00951	PASS
		0				-29.50	-0.01156	PASS
		10				-28.92	-0.01133	PASS
		20				-27.54	-0.01079	PASS
		MCH	VN	30	-26.22	-0.01027	PASS	
				40	-28.68	-0.01124	PASS	
				50	-24.78	-0.00971	PASS	
				-30	-31.21	-0.012	PASS	
				-20	-31.50	-0.01212	PASS	
				-10	-29.97	-0.01153	PASS	
				0	-32.11	-0.01235	PASS	
10	-28.55	-0.01098	PASS					
20	-32.49	-0.0125	PASS					
30	-30.74	-0.01182	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	-31.06	-0.01195	PASS		
					50	-31.64	-0.01217	PASS		
			HCH	VN	-30	-27.28	-0.0103	PASS		
					-20	-24.53	-0.00927	PASS		
					-10	-25.32	-0.00956	PASS		
					0	-22.69	-0.00857	PASS		
					10	-23.99	-0.00906	PASS		
					20	-22.30	-0.00842	PASS		
					30	-20.60	-0.00778	PASS		
					40	-21.13	-0.00798	PASS		
		50	-21.46	-0.00811	PASS					
					LCH	VN	-30	-27.32	-0.01069	PASS
							-20	-24.02	-0.0094	PASS
							-10	-25.39	-0.00994	PASS
							0	-27.44	-0.01074	PASS
							10	-28.38	-0.01111	PASS
							20	-28.47	-0.01114	PASS
							30	-26.88	-0.01052	PASS
							40	-24.95	-0.00977	PASS
							50	-24.69	-0.00966	PASS
									20	MCH
		-20	-31.14	-0.01198	PASS					
		-10	-34.28	-0.01318	PASS					
		0	-33.63	-0.01293	PASS					
		10	-34.02	-0.01308	PASS					
		20	-30.81	-0.01185	PASS					
		30	-31.06	-0.01195	PASS					
		40	-31.86	-0.01225	PASS					
		50	-31.61	-0.01216	PASS					
		HCH	VN	-30	-30.14	-0.0114				PASS
				-20	-34.63	-0.01309	PASS			
				-10	-29.34	-0.01109	PASS			
				0	-29.90	-0.0113	PASS			
				10	-27.78	-0.0105	PASS			
				20	-28.34	-0.01071	PASS			
				30	-28.67	-0.01084	PASS			
				40	-27.34	-0.01034	PASS			
		50	-28.27	-0.01069	PASS					
		LTE/TM2	5	LCH	VN	-30	-31.37	-0.01231	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-29.98	-0.01177	PASS
					-10	-27.64	-0.01085	PASS
					0	-31.60	-0.0124	PASS
					10	-74.32	-0.02917	PASS
					20	-28.82	-0.01131	PASS
					30	-29.88	-0.01173	PASS
					40	-22.23	-0.00873	PASS
					50	-26.48	-0.01039	PASS
			MCH	VN	-30	-28.24	-0.01086	PASS
					-20	-29.14	-0.01121	PASS
					-10	-30.37	-0.01168	PASS
					0	-31.01	-0.01193	PASS
					10	-30.94	-0.0119	PASS
					20	-32.64	-0.01255	PASS
					30	-27.91	-0.01073	PASS
					40	-28.57	-0.01099	PASS
			HCH	VN	-30	-45.29	-0.01707	PASS
					-20	-55.32	-0.02086	PASS
					-10	-66.43	-0.02504	PASS
					0	-29.74	-0.01121	PASS
					10	-27.35	-0.01031	PASS
					20	-32.97	-0.01243	PASS
					30	-62.07	-0.0234	PASS
					40	-26.16	-0.00986	PASS
		10	LCH	VN	-30	-55.85	-0.0219	PASS
					-20	-36.72	-0.0144	PASS
					-10	-44.99	-0.01764	PASS
					0	-46.95	-0.01841	PASS
					10	-55.33	-0.0217	PASS
					20	-62.77	-0.02462	PASS
					30	-38.60	-0.01514	PASS
					40	-46.91	-0.0184	PASS
			50	-28.58	-0.01121	PASS		
			MCH	VN	-30	-28.08	-0.0108	PASS
					-20	-32.66	-0.01256	PASS
					-10	-29.41	-0.01131	PASS
0	-32.64	-0.01255			PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-31.59	-0.01215	PASS
					20	-35.39	-0.01361	PASS
					30	-31.49	-0.01211	PASS
					40	-29.50	-0.01135	PASS
					50	-29.07	-0.01118	PASS
			HCH	VN	-30	-29.43	-0.01111	PASS
					-20	-28.84	-0.01088	PASS
					-10	-31.04	-0.01171	PASS
					0	-29.44	-0.01111	PASS
					10	-28.14	-0.01062	PASS
					20	-26.89	-0.01015	PASS
					30	-30.54	-0.01152	PASS
					40	-43.27	-0.01633	PASS
					50	-52.21	-0.0197	PASS
					LCH	VN	-30	-28.20
		-20	-24.06	-0.00943			PASS	
		-10	-22.03	-0.00863			PASS	
		0	-26.58	-0.01041			PASS	
		10	-28.64	-0.01122			PASS	
		20	-23.35	-0.00915			PASS	
		30	-25.48	-0.00998			PASS	
		40	-24.66	-0.00966			PASS	
		MCH	VN	50	-22.33	-0.00875	PASS	
				-30	-33.36	-0.01283	PASS	
				-20	-33.06	-0.01272	PASS	
				-10	-30.91	-0.01189	PASS	
				0	-32.54	-0.01252	PASS	
				10	-29.37	-0.0113	PASS	
				20	-31.10	-0.01196	PASS	
				30	-29.71	-0.01143	PASS	
		HCH	VN	40	-33.02	-0.0127	PASS	
				50	-30.91	-0.01189	PASS	
				-30	-16.44	-0.00621	PASS	
				-20	-22.29	-0.00842	PASS	
				-10	-18.57	-0.00701	PASS	
				0	-21.23	-0.00802	PASS	
10	-26.25			-0.00992	PASS			
20	-22.53	-0.00851	PASS					
30	-45.68	-0.01725	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-37.95	-0.01433	PASS
					50	-27.69	-0.01046	PASS
		20	LCH	VN	-30	-27.19	-0.01064	PASS
					-20	-25.53	-0.00999	PASS
					-10	-22.95	-0.00898	PASS
					0	-24.55	-0.00961	PASS
					10	-24.43	-0.00956	PASS
					20	-26.28	-0.01029	PASS
					30	-25.88	-0.01013	PASS
					40	-24.46	-0.00957	PASS
					50	-25.73	-0.01007	PASS
			MCH	VN	-30	-30.67	-0.0118	PASS
					-20	-32.17	-0.01237	PASS
					-10	-30.24	-0.01163	PASS
					0	-31.00	-0.01192	PASS
					10	-31.09	-0.01196	PASS
					20	-29.94	-0.01152	PASS
					30	-31.64	-0.01217	PASS
					40	-33.04	-0.01271	PASS
					50	-32.84	-0.01263	PASS
		HCH	VN	-30	-29.41	-0.01112	PASS	
				-20	-26.39	-0.00998	PASS	
				-10	-28.17	-0.01065	PASS	
				0	-27.04	-0.01022	PASS	
				10	-25.91	-0.0098	PASS	
				20	-26.48	-0.01001	PASS	
				30	-28.88	-0.01092	PASS	
				40	-27.82	-0.01052	PASS	
		50	-25.46	-0.00963	PASS			

END