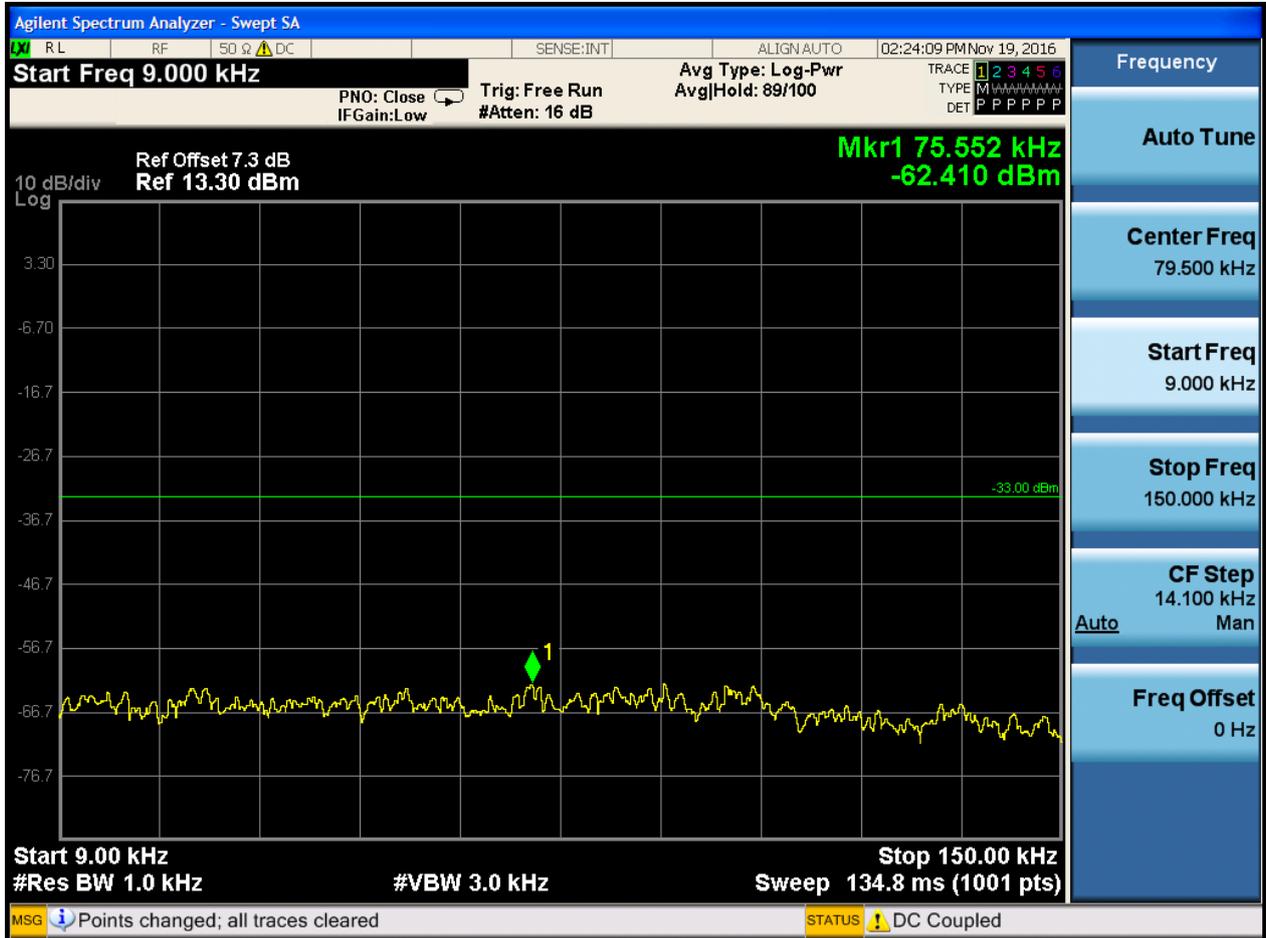
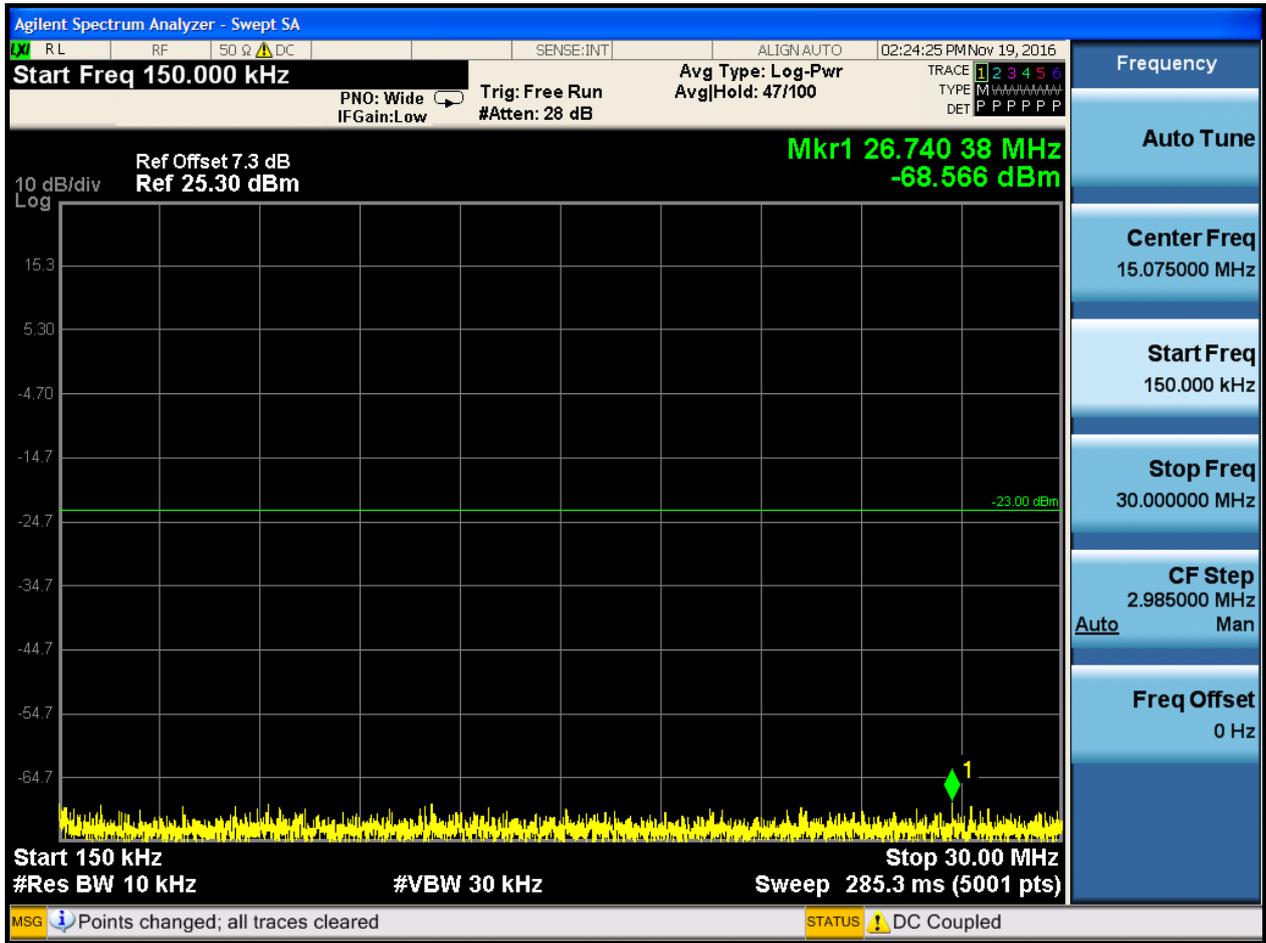


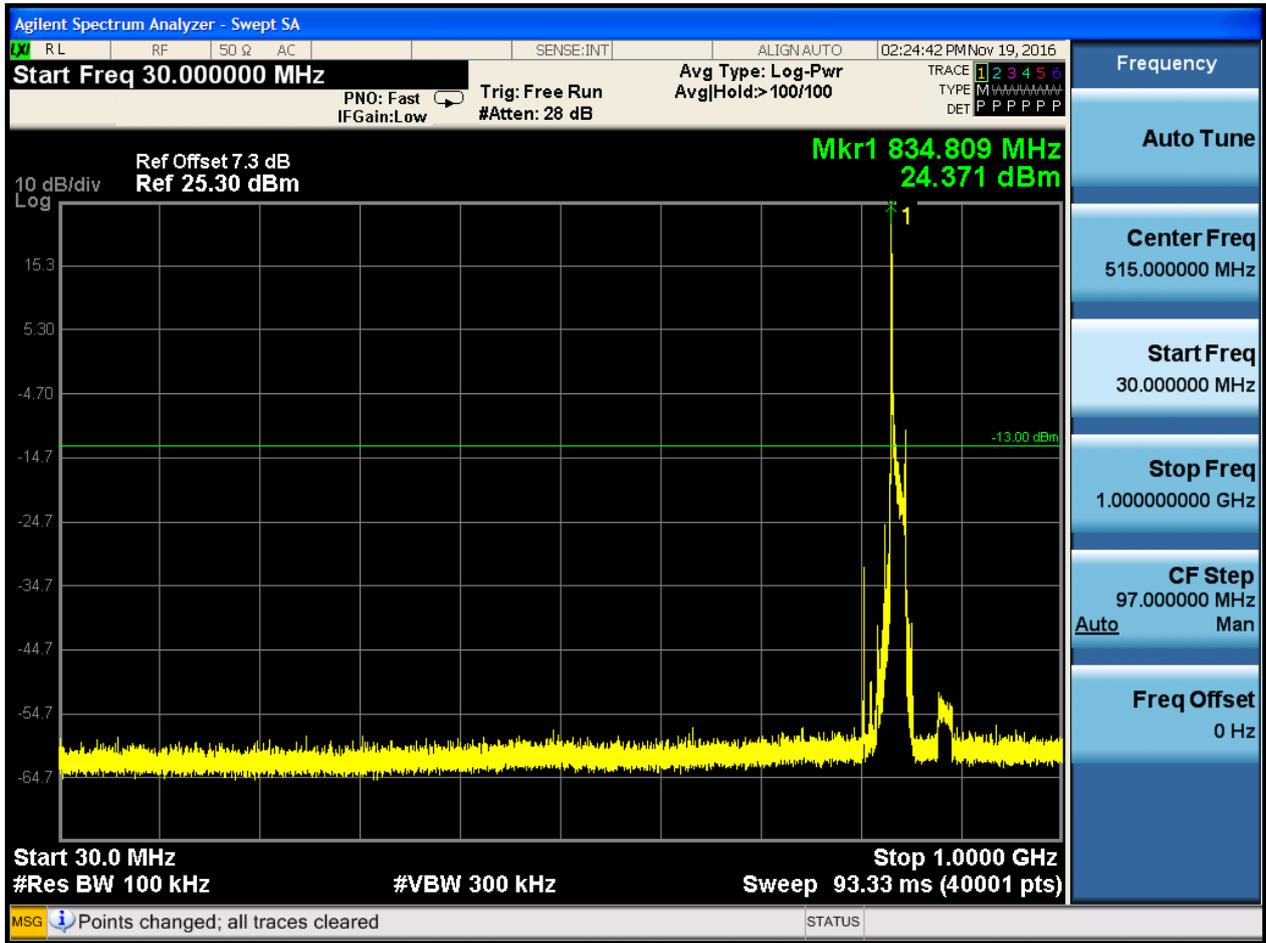


6.1.1.2.5.3 Test Channel = HCH

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, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

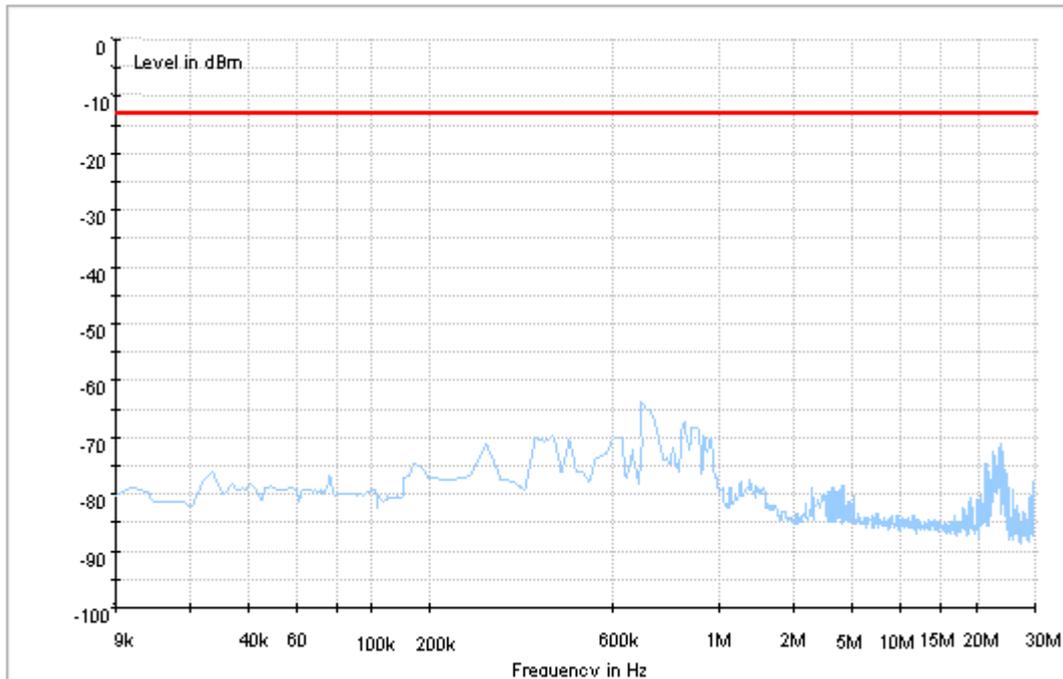
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

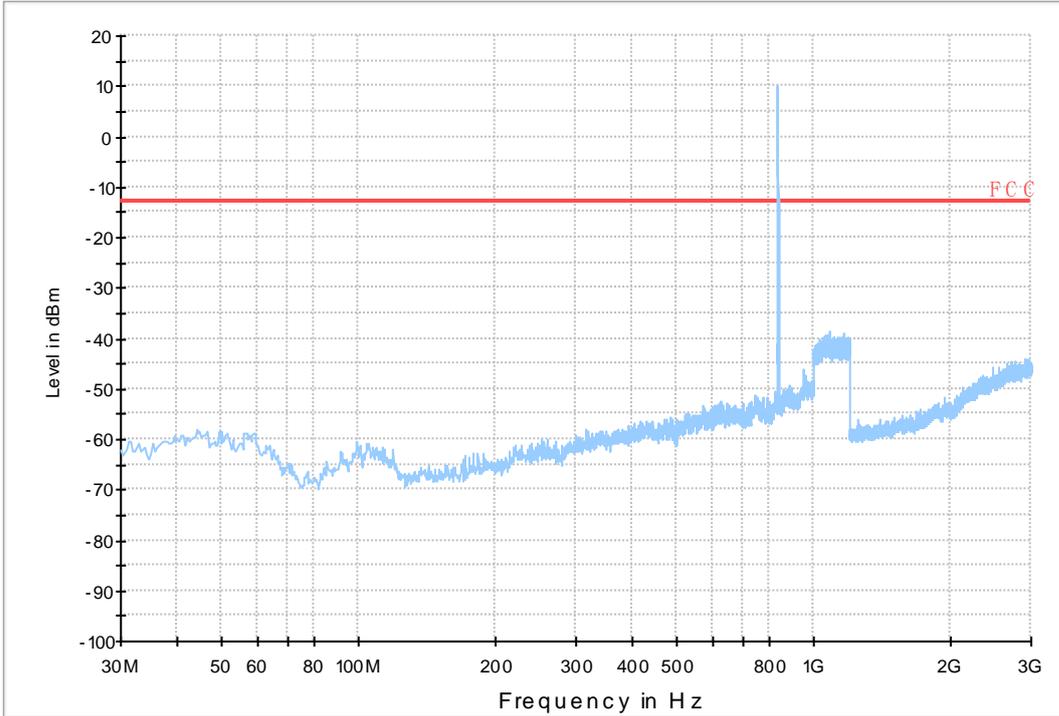
7.1 For LTE

7.1.1 Test Band = BAND26_ANT1

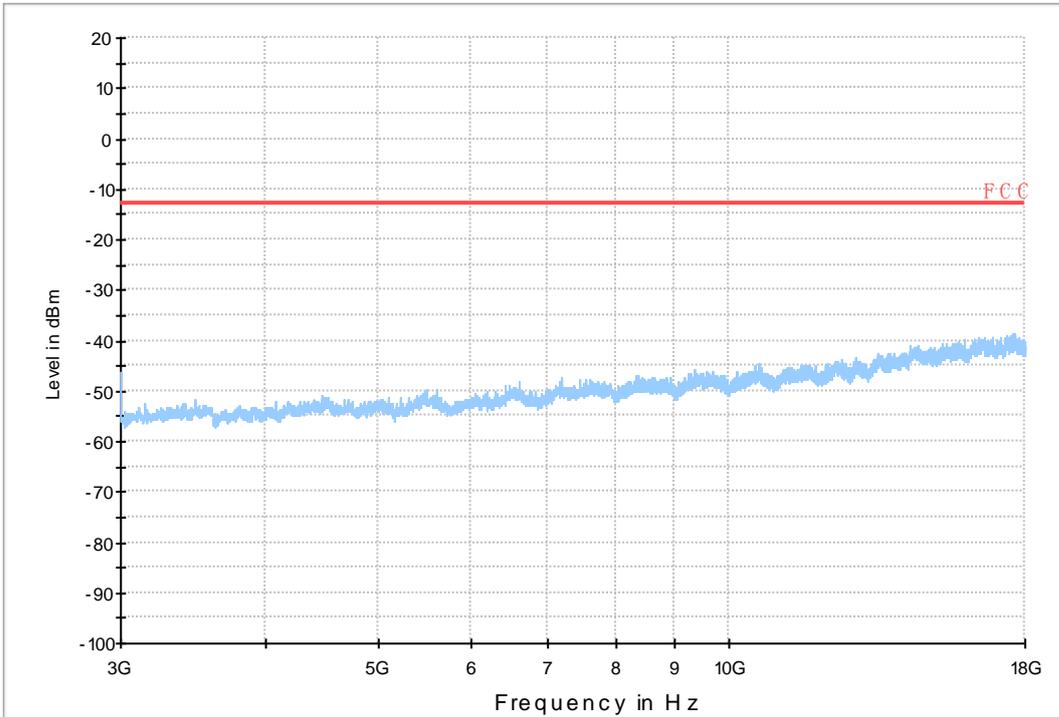
7.1.1.1 Test Bandwidth = 1.4



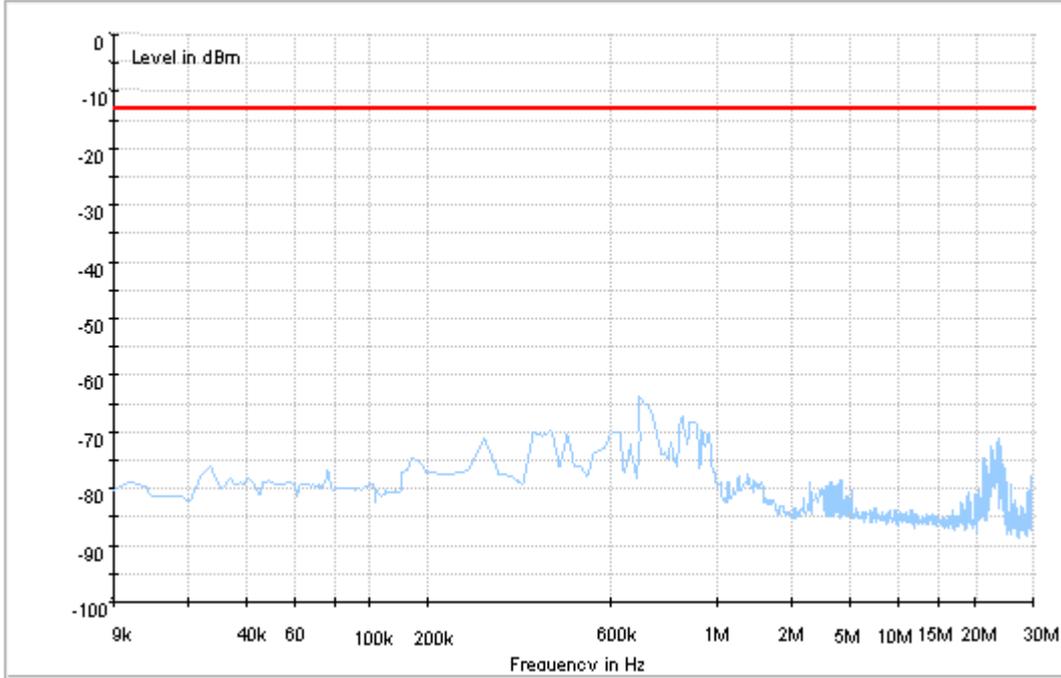
Copy of RSE-TX-DIRECTOR BELOW 1G_L



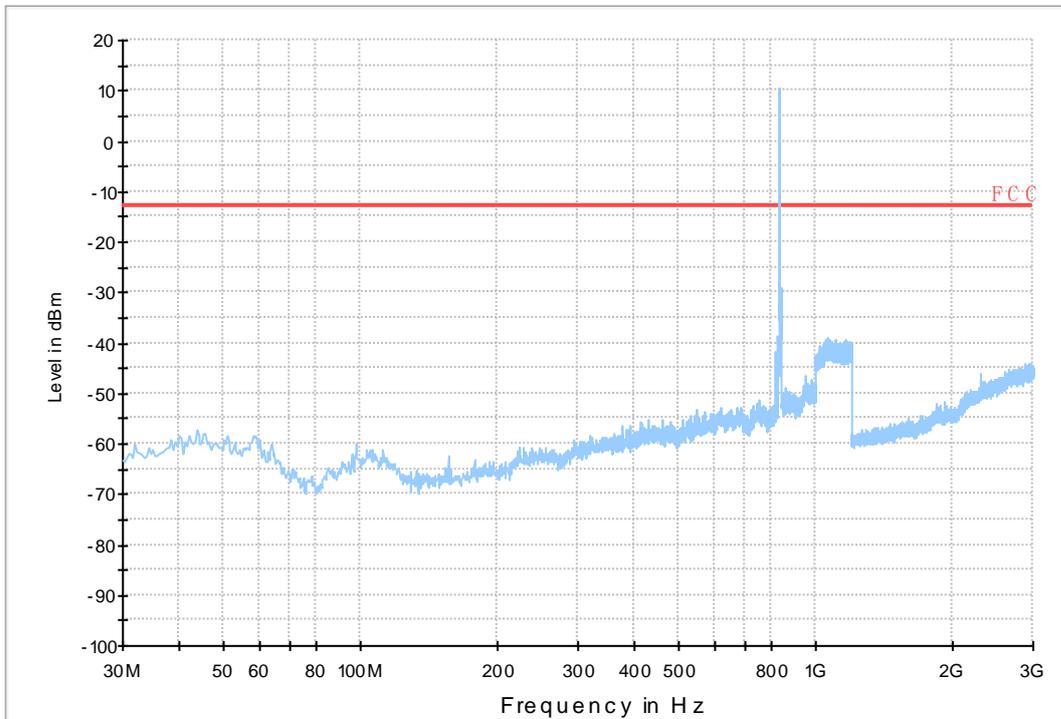
Copy of RSE-TX-DIRECTOR BELOW 1G_H



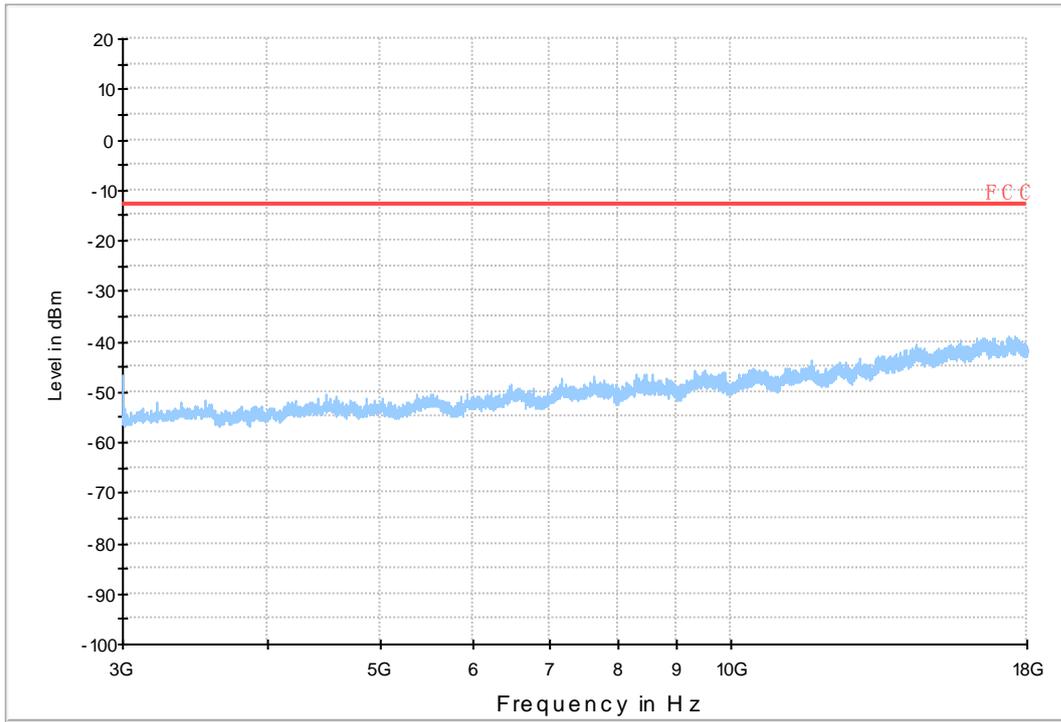
7.1.1.2 Test Bandwidth = 15



Copy of RSE-TX-DIRECTOR BELOW 1G_L

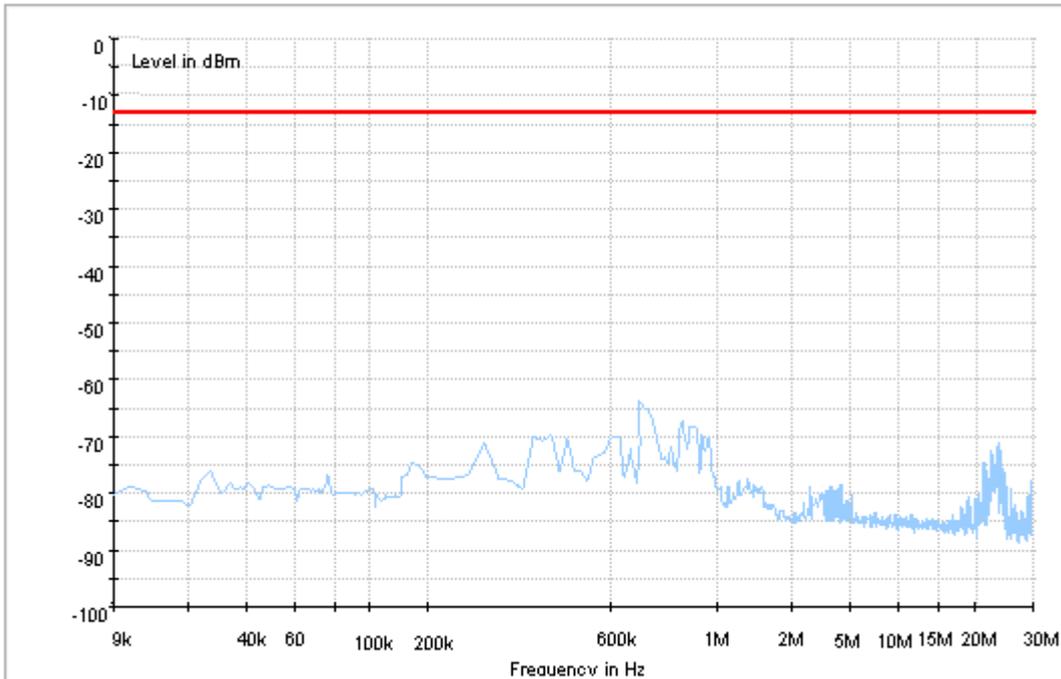


Copy of RSE-TX-DIRECTOR BELOW 1G_H

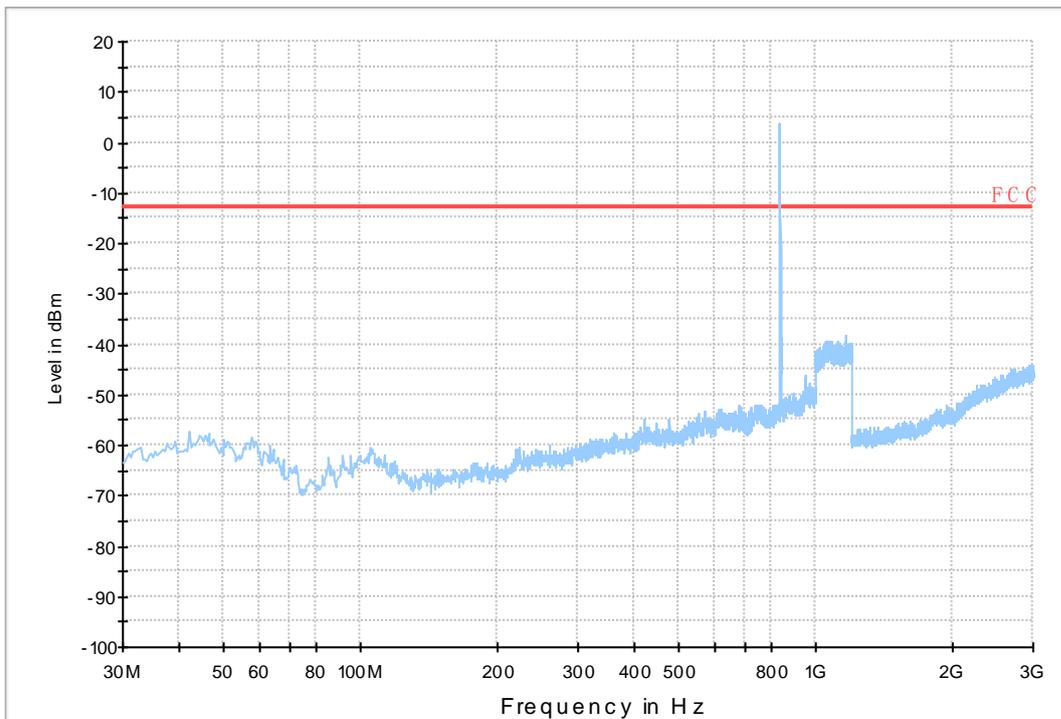


7.1.2 Test Band = BAND26_ANT2

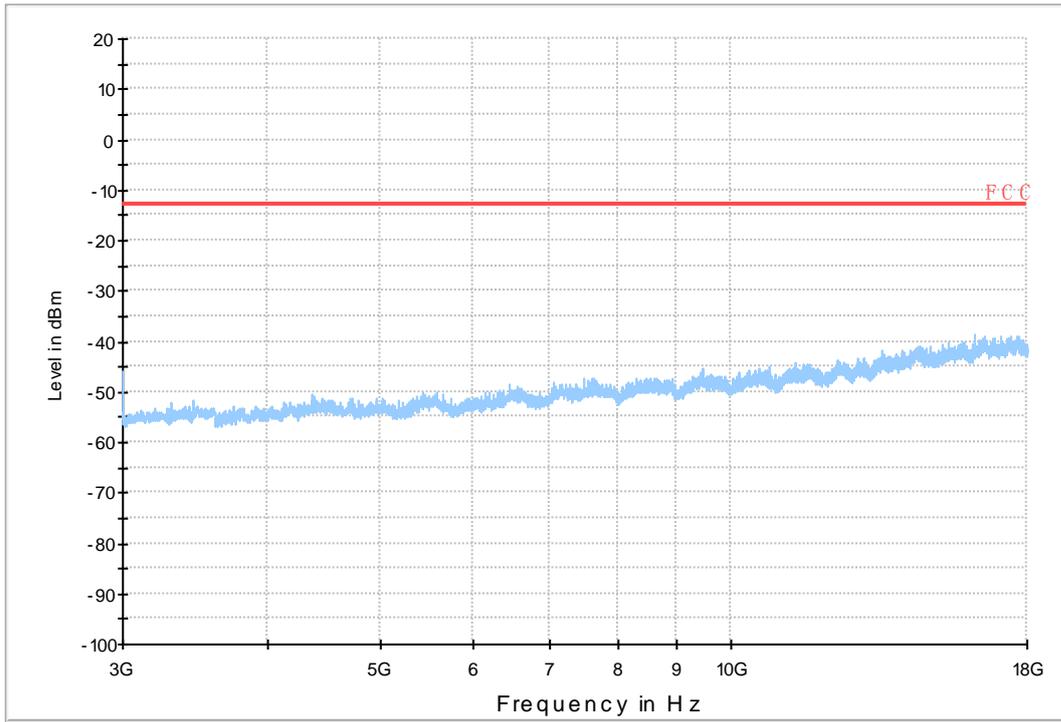
7.1.2.1 Test Bandwidth = 1.4



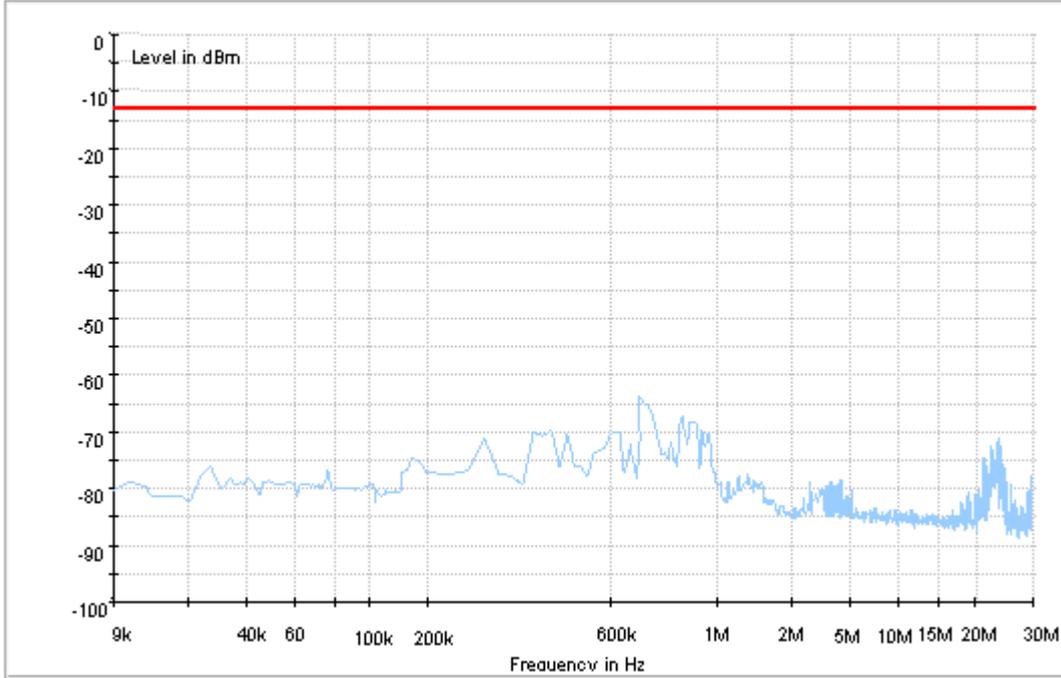
Copy of RSE-TX-DIRECTOR BELOW 1G_L



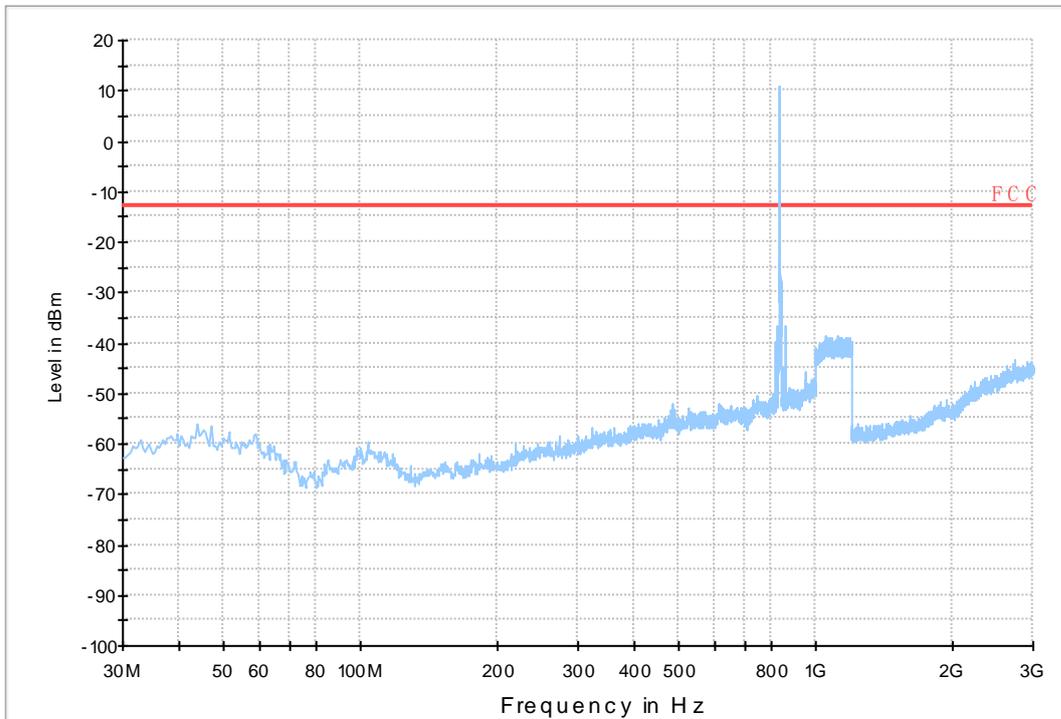
Copy of RSE-TX-DIRECTOR BELOW 1G_H



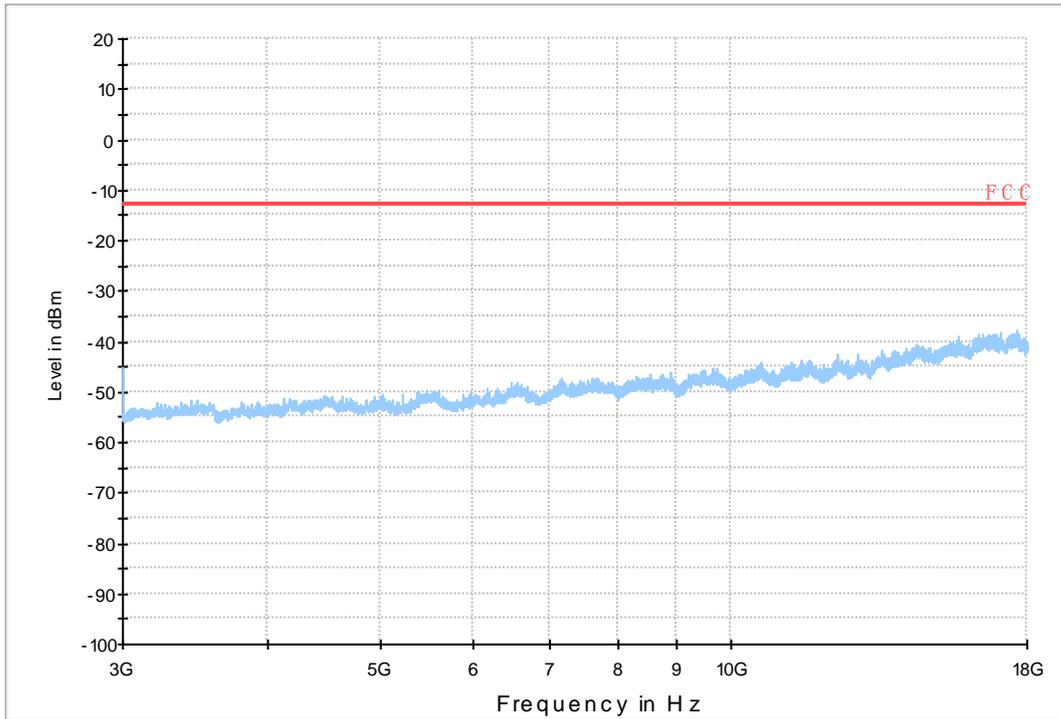
7.1.2.2 Test Bandwidth = 15



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of 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	7.92	0.01001	PASS
					VN	10.21	0.01219	PASS
					VH	5.81	0.00706	PASS
			MCH	TN	VL	3.23	0.00357	PASS
					VN	0.72	0.00086	PASS
					VH	-3.71	-0.00444	PASS
			HCH	TN	VL	-112.68	-0.13165	PASS
					VN	3.47	0.00403	PASS
					VH	0.34	0.0004	PASS
		3	LCH	TN	VL	4.63	0.00561	PASS
					VN	1.72	0.00208	PASS
					VH	-1.32	-0.0016	PASS
			MCH	TN	VL	-2.70	-0.00323	PASS
					VN	-7.65	-0.00915	PASS
					VH	7.05	0.00843	PASS
			HCH	TN	VL	-2.07	-0.00244	PASS
					VN	-0.97	-0.00114	PASS
					VH	0.04	0.00005	PASS
		5	LCH	TN	VL	1.96	0.00237	PASS
					VN	1.92	0.00232	PASS
					VH	4.12	0.00498	PASS
			MCH	TN	VL	-0.14	-0.00017	PASS
					VN	-8.07	-0.00965	PASS
					VH	2.88	0.00344	PASS
			HCH	TN	VL	0.06	0.00007	PASS
					VN	-55.68	-0.06578	PASS
					VH	3.13	0.0037	PASS
		10	LCH	TN	VL	3.76	0.00454	PASS
					VN	-4.16	-0.00502	PASS
					VH	5.88	0.00709	PASS
MCH	TN		VL	11.00	0.01315	PASS		
			VN	16.09	0.01923	PASS		
			VH	15.13	0.01809	PASS		
HCH	TN		VL	7.85	0.0093	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	8.53	0.01011	PASS		
					VH	4.16	0.00493	PASS		
					VL	1.44	0.00173	PASS		
			LCH	TN	VN	6.84	0.00823	PASS		
					VH	1.62	0.00195	PASS		
					VL	4.46	0.00533	PASS		
		MCH	TN	VN	10.80	0.01291	PASS			
				VH	10.59	0.01266	PASS			
				VL	1.19	0.00141	PASS			
		HCH	TN	VN	-1.10	-0.00131	PASS			
				VH	0.00	0	PASS			
				VL	17.45	0.02117	PASS			
		LTE/TM2	1.4	LCH	TN	VN	-4.24	-0.00518	PASS	
						VH	-6.47	-0.00786	PASS	
						VL	-5.36	-0.0064	PASS	
	MCH					TN	VN	-0.13	-0.00016	PASS
							VH	7.78	0.0093	PASS
							VL	-12.20	-0.01438	PASS
	HCH			TN	VN	-1.26	-0.00149	PASS		
					VH	-6.87	-0.0081	PASS		
					VL	3.08	0.00373	PASS		
	3			LCH	TN	VN	-3.55	-0.0043	PASS	
						VH	11.92	0.01444	PASS	
						VL	0.69	0.00082	PASS	
			MCH	TN	VN	-8.41	-0.01005	PASS		
					VH	-6.15	-0.00735	PASS		
					VL	2.37	0.0028	PASS		
	HCH		TN	VN	2.56	0.00302	PASS			
				VH	-2.90	-0.00342	PASS			
				VL	5.15	0.00623	PASS			
	5		LCH	TN	VN	-3.22	-0.0039	PASS		
					VH	-2.23	-0.0027	PASS		
					VL	11.92	0.01425	PASS		
		MCH	TN	VN	0.89	0.00106	PASS			
				VH	1.39	0.00166	PASS			
				VL	1.80	0.00213	PASS			
		HCH	TN	VN	-0.10	-0.00012	PASS			
				VH	6.02	0.00711	PASS			
				VL	-1.40	-0.00169	PASS			
	10	LCH	TN	VL	-1.40	-0.00169	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	0.21	0.00025	PASS
					VH	-7.85	-0.00947	PASS
					VL	10.06	0.01203	PASS
			MCH	TN	VN	17.97	0.02148	PASS
					VH	2.70	0.00323	PASS
					VL	-1.16	-0.00137	PASS
			HCH	TN	VN	-4.92	-0.00583	PASS
					VH	-1.30	-0.00154	PASS
					VL	9.18	0.01104	PASS
		15	LCH	TN	VN	-0.19	-0.00023	PASS
					VH	-2.83	-0.0034	PASS
					VL	8.47	0.01013	PASS
			MCH	TN	VN	13.00	0.01554	PASS
					VH	2.19	0.00262	PASS
					VL	36.65	0.04355	PASS
			HCH	TN	VN	13.06	0.01552	PASS
					VH	5.69	0.00676	PASS
					VL			

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	5.03	0.00601	PASS
					-20	6.92	0.00888	PASS
					-10	4.81	0.00583	PASS
					0	-11.13	-0.0135	PASS
					10	-48.29	-0.05855	PASS
					20	-1.90	-0.0023	PASS
					30	0.07	0.00008	PASS
					40	11.14	0.01351	PASS
			MCH	VN	50	6.92	0.00839	PASS
					-30	-0.82	-0.00098	PASS
					-20	-12.10	-0.01447	PASS
					-10	-7.90	-0.00944	PASS
					0	-17.01	-0.02033	PASS
					10	1.24	0.00148	PASS
20	6.31	0.00754	PASS					
30	-8.25	-0.00986	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	12.16	0.01454	PASS
					50	16.35	0.01955	PASS
			HCH	VN	-30	3.00	0.00354	PASS
					-20	-16.34	-0.01926	PASS
					-10	1.16	0.00137	PASS
					0	-4.81	-0.00567	PASS
					10	-13.63	-0.01607	PASS
					20	3.49	0.00411	PASS
					30	-9.34	-0.01101	PASS
					40	70.10	0.08264	PASS
		50	7.02	0.00828	PASS			
		3	LCH	VN	-30	7.67	0.00929	PASS
					-20	9.48	0.01148	PASS
					-10	2.80	0.00339	PASS
					0	-1.09	-0.00132	PASS
					10	0.99	0.0012	PASS
					20	1.66	0.00201	PASS
					30	1.14	0.00138	PASS
					40	5.94	0.0072	PASS
			50	3.79	0.00459	PASS		
			MCH	VN	-30	-2.05	-0.00245	PASS
					-20	1.66	0.00198	PASS
					-10	-4.01	-0.00479	PASS
					0	3.08	0.00368	PASS
					10	-4.61	-0.00551	PASS
					20	-9.23	-0.01103	PASS
					30	2.42	0.00289	PASS
					40	-7.98	-0.00954	PASS
			50	-4.41	-0.00527	PASS		
			HCH	VN	-30	5.05	0.00596	PASS
					-20	5.94	0.00701	PASS
					-10	2.35	0.00277	PASS
					0	4.35	0.00513	PASS
					10	4.82	0.00569	PASS
					20	1.17	0.00138	PASS
					30	1.36	0.0016	PASS
					40	3.43	0.00405	PASS
			50	2.17	0.00256	PASS		
			5	LCH	VN	-30	6.55	0.00792



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	5.84	0.00707	PASS	
					-10	3.20	0.00387	PASS	
					0	2.35	0.00284	PASS	
					10	2.66	0.00322	PASS	
					20	0.77	0.00093	PASS	
					30	3.78	0.00457	PASS	
					40	0.64	0.00077	PASS	
					50	-0.87	-0.00105	PASS	
			MCH	VN	-30	1.29	0.00154	PASS	
					-20	4.02	0.00481	PASS	
					-10	1.52	0.00182	PASS	
					0	9.33	0.01115	PASS	
					10	6.45	0.00771	PASS	
					20	-0.99	-0.00118	PASS	
					30	-1.00	-0.0012	PASS	
					40	5.88	0.00703	PASS	
			HCH	VN	-30	8.75	0.01034	PASS	
					-20	1.23	0.00145	PASS	
					-10	1.32	0.00156	PASS	
					0	4.28	0.00506	PASS	
					10	-4.75	-0.00561	PASS	
					20	-0.43	-0.00051	PASS	
					30	0.49	0.00058	PASS	
					40	2.96	0.0035	PASS	
			10	LCH	VN	-30	2.12	0.00256	PASS
						-20	4.18	0.00504	PASS
						-10	7.01	0.00846	PASS
						0	-0.86	-0.00104	PASS
		10				5.87	0.00708	PASS	
		20				9.91	0.01195	PASS	
		30				9.63	0.01162	PASS	
		40				6.14	0.00741	PASS	
		50		11.79	0.01422	PASS			
		MCH		VN	-30	27.44	0.0328	PASS	
					-20	-3.06	-0.00366	PASS	
					-10	-11.74	-0.01403	PASS	
			0		6.37	0.00762	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict								
					10	-7.11	-0.0085	PASS								
					20	12.39	0.01481	PASS								
					30	6.11	0.0073	PASS								
					40	3.39	0.00405	PASS								
					50	-10.97	-0.01311	PASS								
			HCH	VN				-30	-1.89	-0.00224	PASS					
								-20	-1.34	-0.00159	PASS					
								-10	6.17	0.00731	PASS					
								0	-5.31	-0.00629	PASS					
								10	-1.19	-0.00141	PASS					
								20	0.40	0.00047	PASS					
								30	0.97	0.00115	PASS					
								40	0.89	0.00105	PASS					
								50	0.92	0.00109	PASS					
								LCH	VN				-30	-2.15	-0.00259	PASS
													-20	1.04	0.00125	PASS
													-10	0.73	0.00088	PASS
													0	-7.38	-0.00888	PASS
													10	2.95	0.00355	PASS
													20	-9.30	-0.01118	PASS
		30	14.53	0.01747	PASS											
		40	13.09	0.01574	PASS											
		50	1.26	0.00152	PASS											
		MCH	VN				-30						1.83	0.00219	PASS	
							-20	0.30	0.00036	PASS						
							-10	1.39	0.00166	PASS						
							0	-9.08	-0.01085	PASS						
							10	-0.89	-0.00106	PASS						
							20	5.36	0.00641	PASS						
							30	7.07	0.00845	PASS						
							40	-2.56	-0.00306	PASS						
							50	1.63	0.00195	PASS						
		HCH	VN				-30	6.08	0.00723	PASS						
							-20	1.96	0.00233	PASS						
							-10	-0.31	-0.00037	PASS						
							0	-2.13	-0.00253	PASS						
							10	-1.65	-0.00196	PASS						
							20	1.46	0.00173	PASS						
							30	0.84	0.001	PASS						
				15			-30	-2.15	-0.00259	PASS						
-20	1.04						0.00125	PASS								
-10	0.73						0.00088	PASS								
0	-7.38						-0.00888	PASS								
10	2.95						0.00355	PASS								
20	-9.30						-0.01118	PASS								
30	14.53						0.01747	PASS								
40	13.09						0.01574	PASS								
50	1.26						0.00152	PASS								
-30	1.83						0.00219	PASS								
-20	0.30	0.00036	PASS													
-10	1.39	0.00166	PASS													
0	-9.08	-0.01085	PASS													
10	-0.89	-0.00106	PASS													
20	5.36	0.00641	PASS													
30	7.07	0.00845	PASS													
40	-2.56	-0.00306	PASS													
50	1.63	0.00195	PASS													
-30	6.08	0.00723	PASS													
-20	1.96	0.00233	PASS													
-10	-0.31	-0.00037	PASS													
0	-2.13	-0.00253	PASS													
10	-1.65	-0.00196	PASS													
20	1.46	0.00173	PASS													
30	0.84	0.001	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	40	-0.43	-0.00051	PASS
					50	-1.02	-0.00121	PASS
					-30	12.09	0.01466	PASS
					-20	-2.92	-0.00354	PASS
					-10	0.33	0.0004	PASS
					0	4.18	0.00507	PASS
					10	28.57	0.03464	PASS
					20	-8.07	-0.00979	PASS
					30	-6.31	-0.00765	PASS
					40	8.48	0.01028	PASS
			50	-6.18	-0.00749	PASS		
			MCH	VN	-30	12.92	0.01545	PASS
					-20	-15.18	-0.01815	PASS
					-10	15.18	0.01815	PASS
					0	-3.79	-0.00453	PASS
					10	4.33	0.00518	PASS
					20	-3.81	-0.00455	PASS
					30	0.90	0.00108	PASS
		40			15.59	0.01864	PASS	
		HCH	VN	50	8.84	0.01057	PASS	
				-30	-12.39	-0.01461	PASS	
				-20	-0.90	-0.00106	PASS	
				-10	8.21	0.00968	PASS	
				0	-3.85	-0.00454	PASS	
				10	25.88	0.03051	PASS	
				20	4.05	0.00477	PASS	
		3	LCH	VN	30	-3.16	-0.00373	PASS
					40	1.12	0.00132	PASS
					50	-9.64	-0.01136	PASS
					-30	-1.72	-0.00208	PASS
					-20	10.19	0.01234	PASS
					-10	8.25	0.00999	PASS
					0	6.15	0.00745	PASS
10	-1.26				-0.00153	PASS		
20	-5.19				-0.00629	PASS		
30	8.71				0.01055	PASS		
MCH	VN	40	-4.32	-0.00523	PASS			
		50	-3.62	-0.00439	PASS			
			MCH	VN	-30	-0.56	-0.00067	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-20	5.44	0.0065	PASS		
					-10	8.74	0.01045	PASS		
					0	0.26	0.00031	PASS		
					10	6.29	0.00752	PASS		
					20	-3.93	-0.0047	PASS		
					30	4.45	0.00532	PASS		
					40	-7.11	-0.0085	PASS		
					50	-0.92	-0.0011	PASS		
			HCH	VN	-30	1.70	0.00201	PASS		
					-20	1.65	0.00195	PASS		
					-10	-1.47	-0.00173	PASS		
					0	2.57	0.00303	PASS		
					10	-0.74	-0.00087	PASS		
					20	-0.69	-0.00081	PASS		
					30	-4.03	-0.00476	PASS		
					40	0.57	0.00067	PASS		
			LCH	VN	-30	-1.07	-0.00129	PASS		
					-20	-2.15	-0.0026	PASS		
					-10	3.55	0.0043	PASS		
					0	0.03	0.00004	PASS		
		10			6.75	0.00817	PASS			
		20			6.21	0.00751	PASS			
		30			2.20	0.00266	PASS			
		40			5.55	0.00672	PASS			
		MCH	VN	-30	-2.09	-0.0025	PASS			
				-20	-9.38	-0.01121	PASS			
				-10	2.45	0.00293	PASS			
				0	3.39	0.00405	PASS			
				10	-0.07	-0.00008	PASS			
				20	-0.41	-0.00049	PASS			
				30	0.79	0.00094	PASS			
				40	-1.12	-0.00134	PASS			
		HCH	VN	-30	3.09	0.00365	PASS			
				-20	2.32	0.00274	PASS			
				-10	-2.70	-0.00319	PASS			
				0	2.95	0.00348	PASS			
		5								



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-0.59	-0.0007	PASS		
					20	-8.04	-0.0095	PASS		
					30	0.44	0.00052	PASS		
					40	0.89	0.00105	PASS		
					50	-1.44	-0.0017	PASS		
		10	LCH	VN	-30	1.80	0.00217	PASS		
					-20	5.91	0.00713	PASS		
					-10	2.86	0.00345	PASS		
					0	-1.09	-0.00131	PASS		
					10	3.99	0.00481	PASS		
					20	0.83	0.001	PASS		
					30	10.79	0.01302	PASS		
					40	2.45	0.00296	PASS		
					50	-7.95	-0.00959	PASS		
					MCH	VN	-30	4.56	0.00545	PASS
							-20	6.01	0.00718	PASS
							-10	-9.31	-0.01113	PASS
							0	0.17	0.0002	PASS
			10	2.06			0.00246	PASS		
			20	-3.81			-0.00455	PASS		
			30	1.17			0.0014	PASS		
			40	0.09			0.00011	PASS		
			50	6.24			0.00746	PASS		
			HCH	VN			-30	-3.99	-0.00473	PASS
					-20	1.44	0.00171	PASS		
					-10	-0.16	-0.00019	PASS		
					0	-0.56	-0.00066	PASS		
					10	-0.83	-0.00098	PASS		
		20			-2.25	-0.00267	PASS			
		30			-2.16	-0.00256	PASS			
		15	LCH	VN	-30	1.96	0.00236	PASS		
					-20	1.02	0.00123	PASS		
					-10	-3.20	-0.00385	PASS		
0	0.44				0.00053	PASS				
10	-0.29				-0.00035	PASS				
20	1.52				0.00183	PASS				
30	-5.04				-0.00606	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-0.66	-0.00079	PASS
					50	3.76	0.00452	PASS
			MCH	VN	-30	-4.88	-0.00583	PASS
					-20	-1.72	-0.00206	PASS
					-10	3.19	0.00381	PASS
					0	1.60	0.00191	PASS
					10	1.09	0.0013	PASS
					20	0.40	0.00048	PASS
					30	-7.15	-0.00855	PASS
					40	0.94	0.00112	PASS
					50	-4.31	-0.00516	PASS
					HCH	VN	-30	2.76
			-20	-0.39			-0.00046	PASS
			-10	0.87			0.00103	PASS
			0	2.54			0.00305	PASS
			10	1.77			0.00208	PASS
			20	-0.03			-0.00004	PASS
			30	1.91			0.00227	PASS
			40	-1.26			-0.00124	PASS
			50	1.87	0.0022	PASS		

END