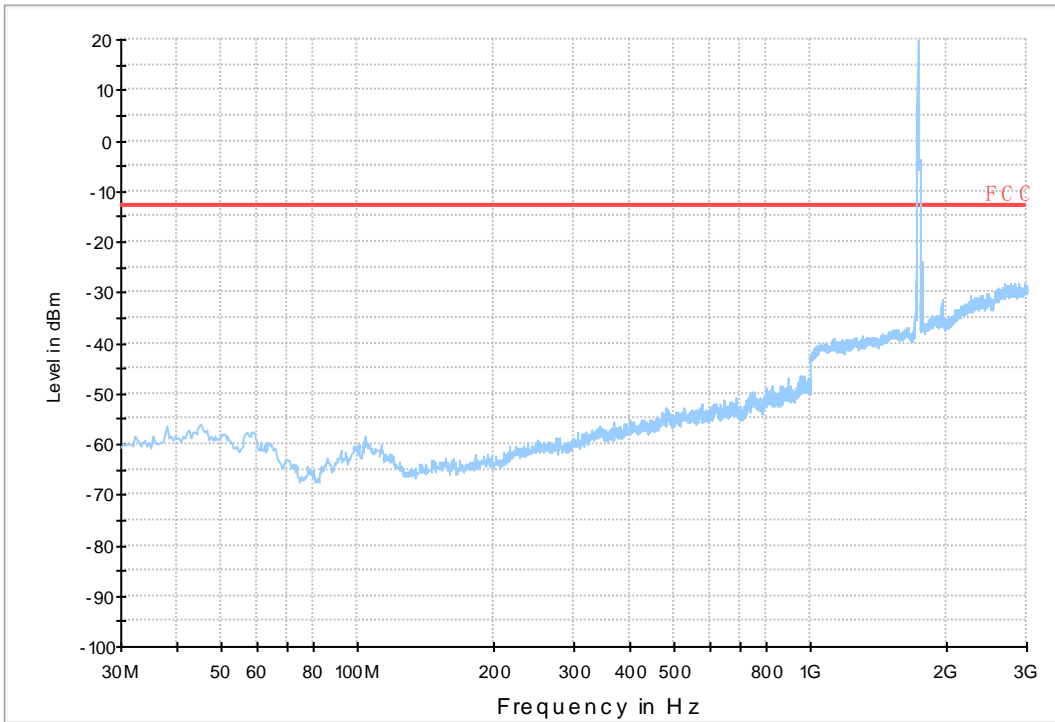
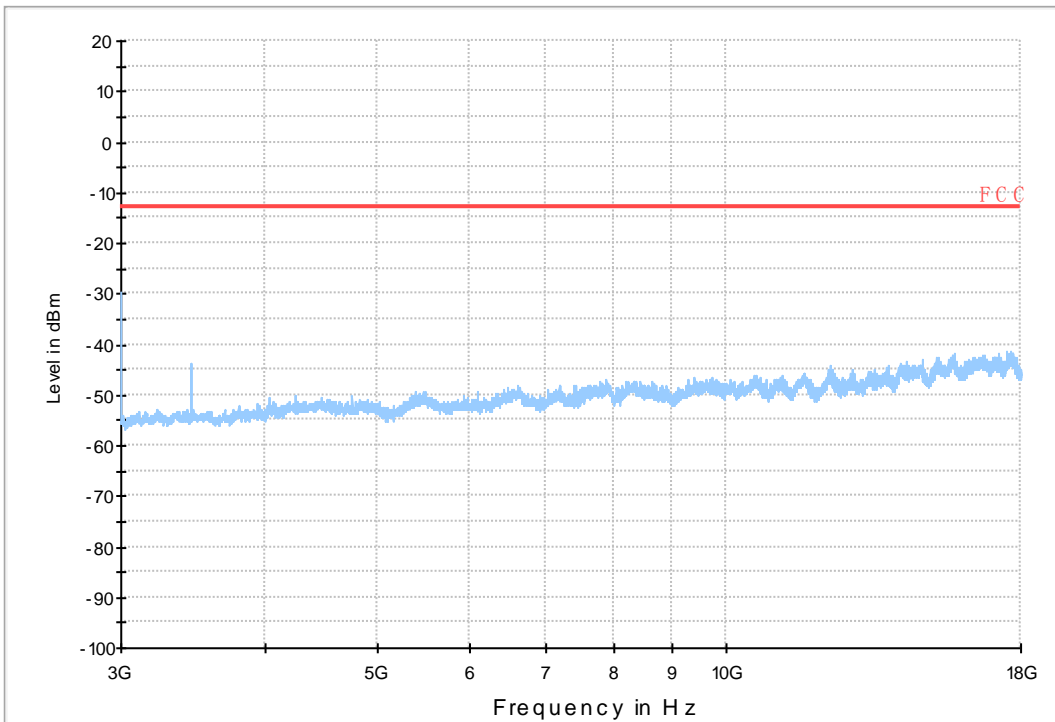


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_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
BAND4	LTE/TM1	1.4	LCH	TN	VL	0.67	0.00039	PASS
					VN	0.90	0.00053	PASS
					VH	3.09	0.00181	PASS
			MCH	TN	VL	-0.90	-0.00052	PASS
					VN	-0.11	-0.00006	PASS
					VH	0.51	0.00029	PASS
			HCH	TN	VL	1.53	0.00087	PASS
					VN	0.69	0.00039	PASS
					VH	0.20	0.00011	PASS
		3	LCH	TN	VL	8.55	0.005	PASS
					VN	7.25	0.00424	PASS
					VH	1.27	0.00074	PASS
			MCH	TN	VL	1.37	0.00079	PASS
					VN	-0.19	-0.00011	PASS
					VH	0.11	0.00006	PASS
			HCH	TN	VL	12.17	0.00694	PASS
					VN	8.88	0.00506	PASS
					VH	-2.29	-0.00131	PASS
		5	LCH	TN	VL	1.29	0.00075	PASS
					VN	1.06	0.00062	PASS
					VH	0.53	0.00031	PASS
			MCH	TN	VL	0.63	0.00036	PASS
					VN	0.27	0.00016	PASS
					VH	0.62	0.00036	PASS
			HCH	TN	VL	-0.40	-0.00023	PASS
					VN	4.32	0.00247	PASS
					VH	1.54	0.00088	PASS
		10	LCH	TN	VL	-7.77	-0.00453	PASS
					VN	-6.85	-0.00399	PASS
					VH	-2.66	-0.00155	PASS
			MCH	TN	VL	0.56	0.00032	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					VN	0.31	0.00018	PASS			
					VH	-0.79	-0.00046	PASS			
			HCH	TN	VL	-0.24	-0.00014	PASS			
					VN	1.40	0.0008	PASS			
						VH	11.33	0.00647	PASS		
						LCH	TN	VL	-2.47	-0.00144	PASS
			VN	4.29	0.0025			PASS			
			VH	0.40	0.00023			PASS			
			15			MCH	TN	VL	-0.26	-0.00015	PASS
								VN	-0.20	-0.00012	PASS
								VH	0.60	0.00035	PASS
								HCH	TN	VL	0.41
						VN	10.83			0.0062	PASS
						VH	0.77	0.00044	PASS		
		20			LCH	TN	VL	3.88	0.00226	PASS	
							VN	-3.35	-0.00195	PASS	
								VH	4.41	0.00256	PASS
								MCH	TN	VL	-0.11
						VN	0.47			0.00027	PASS
									VH	-0.14	-0.00008
			HCH	TN	VL				0.23	0.00013	PASS
								VN	0.67	0.00038	PASS
									VH	0.79	0.00045
					LTE/TM2		1.4		LCH	TN	VL
		VN	0.89	0.00052				PASS			
		VH	-0.01	-0.00001				PASS			
		MCH	TN	VL				-0.21	-0.00012	PASS	
				VN				-1.67	-0.00096	PASS	
				VH				0.60	0.00035	PASS	
		HCH	TN	VL			-0.29	-0.00017	PASS		
				VN			-1.32	-0.00075	PASS		
				VH			1.37	0.00078	PASS		
		3	LCH	TN	VL	2.47	0.00144	PASS			
					VN	-3.60	-0.0021	PASS			
					VH	11.70	0.00684	PASS			
			MCH	TN	VL	-1.47	-0.00085	PASS			
					VN	-0.96	-0.00055	PASS			
					VH	-0.97	-0.00056	PASS			
		HCH	TN	VL	1.47	0.00084	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-5.22	-0.00298	PASS
					VH	-6.27	-0.00358	PASS
		5	LCH	TN	VL	0.24	0.00014	PASS
					VN	-8.50	-0.00496	PASS
					VH	0.24	0.00014	PASS
			MCH	TN	VL	0.39	0.00023	PASS
					VN	-0.07	-0.00004	PASS
					VH	0.50	0.00029	PASS
			HCH	TN	VL	1.09	0.00062	PASS
					VN	-1.26	-0.00072	PASS
					VH	-11.54	-0.00658	PASS
		10	LCH	TN	VL	-14.61	-0.00852	PASS
					VN	-0.83	-0.00048	PASS
					VH	1.22	0.00071	PASS
			MCH	TN	VL	-0.37	-0.00021	PASS
					VN	-0.36	-0.00021	PASS
					VH	1.12	0.00065	PASS
			HCH	TN	VL	8.33	0.00476	PASS
					VN	8.73	0.00499	PASS
					VH	-2.69	-0.00154	PASS
		15	LCH	TN	VL	5.06	0.00295	PASS
					VN	-4.96	-0.00289	PASS
					VH	3.20	0.00186	PASS
			MCH	TN	VL	-0.39	-0.00023	PASS
					VN	-0.27	-0.00016	PASS
					VH	-0.03	-0.00002	PASS
			HCH	TN	VL	-23.37	-0.01337	PASS
					VN	1.20	0.00069	PASS
					VH	1.60	0.00092	PASS
		20	LCH	TN	VL	-2.20	-0.00128	PASS
					VN	-1.44	-0.00084	PASS
					VH	-1.87	-0.00109	PASS
			MCH	TN	VL	0.04	0.00002	PASS
					VN	0.01	0.00001	PASS
					VH	0.57	0.00033	PASS
			HCH	TN	VL	2.03	0.00116	PASS
					VN	0.60	0.00034	PASS
					VH	0.41	0.00023	PASS



8.1.2 Frequency Error vs. Temperature:

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND4	-30	LTE/TM1	1.4	LCH	VN	4.39	0.00257	PASS
				MCH	VN	2.27	0.00131	PASS
				HCH	VN	-0.24	-0.00014	PASS
			3	LCH	VN	10.90	0.00637	PASS
				MCH	VN	0.10	0.00006	PASS
				HCH	VN	1.43	0.00082	PASS
			5	LCH	VN	5.05	0.00295	PASS
				MCH	VN	0.27	0.00016	PASS
				HCH	VN	-11.97	-0.00683	PASS
			10	LCH	VN	2.29	0.00134	PASS
				MCH	VN	0.09	0.00005	PASS
				HCH	VN	-5.24	-0.00299	PASS
			15	LCH	VN	5.97	0.00348	PASS
				MCH	VN	0.43	0.00025	PASS
				HCH	VN	13.85	0.00793	PASS
			20	LCH	VN	-7.60	-0.00442	PASS
				MCH	VN	-0.16	-0.00009	PASS
				HCH	VN	0.19	0.00011	PASS
		LTE/TM2	1.4	LCH	VN	0.66	0.00039	PASS
				MCH	VN	-0.19	-0.00011	PASS
				HCH	VN	-1.90	-0.00108	PASS
			3	LCH	VN	-10.87	-0.00635	PASS
				MCH	VN	-0.84	-0.00048	PASS
				HCH	VN	-1.33	-0.00076	PASS
			5	LCH	VN	-6.69	-0.00391	PASS
				MCH	VN	0.29	0.00017	PASS
				HCH	VN	6.38	0.00364	PASS
			10	LCH	VN	-6.47	-0.00377	PASS
				MCH	VN	-0.76	-0.00044	PASS
				HCH	VN	6.79	0.00388	PASS
			15	LCH	VN	2.96	0.00172	PASS
				MCH	VN	-0.09	-0.00005	PASS
				HCH	VN	-13.18	-0.00754	PASS
			20	LCH	VN	-0.96	-0.00056	PASS
				MCH	VN	-0.30	-0.00017	PASS
				HCH	VN	0.41	0.00023	PASS



	-20	LTE/TM1	1.4	LCH	VN	-0.86	-0.0005	PASS
				MCH	VN	-0.03	-0.00002	PASS
				HCH	VN	-0.54	-0.00031	PASS
			3	LCH	VN	-21.64	-0.01264	PASS
				MCH	VN	0.20	0.00012	PASS
				HCH	VN	15.42	0.00879	PASS
			5	LCH	VN	-11.10	-0.00648	PASS
				MCH	VN	-0.43	-0.00025	PASS
				HCH	VN	-0.69	-0.00039	PASS
		10	LCH	VN	1.36	0.00079	PASS	
			MCH	VN	0.77	0.00044	PASS	
			HCH	VN	2.86	0.00163	PASS	
		15	LCH	VN	3.89	0.00226	PASS	
			MCH	VN	-0.11	-0.00006	PASS	
			HCH	VN	-13.95	-0.00798	PASS	
		20	LCH	VN	0.41	0.00024	PASS	
			MCH	VN	0.47	0.00027	PASS	
			HCH	VN	8.33	0.00477	PASS	
	LTE/TM2	1.4	LCH	VN	0.33	0.00019	PASS	
			MCH	VN	1.16	0.00067	PASS	
			HCH	VN	1.37	0.00078	PASS	
		3	LCH	VN	1.83	0.00107	PASS	
			MCH	VN	1.60	0.00092	PASS	
			HCH	VN	-2.09	-0.00119	PASS	
		5	LCH	VN	5.26	0.00307	PASS	
			MCH	VN	0.90	0.00052	PASS	
			HCH	VN	-8.44	-0.00482	PASS	
		10	LCH	VN	0.93	0.00054	PASS	
			MCH	VN	0.64	0.00037	PASS	
			HCH	VN	6.45	0.00369	PASS	
		15	LCH	VN	3.62	0.00211	PASS	
			MCH	VN	-0.37	-0.00021	PASS	
			HCH	VN	3.92	0.00224	PASS	
		20	LCH	VN	-5.56	-0.00323	PASS	
			MCH	VN	0.63	0.00036	PASS	
			HCH	VN	6.28	0.0036	PASS	
-10	LTE/TM1	1.4	LCH	VN	1.07	0.00063	PASS	
			MCH	VN	0.21	0.00012	PASS	
			HCH	VN	-1.20	-0.00068	PASS	
		3	LCH	VN	-5.14	-0.003	PASS	
			MCH	VN	-0.10	-0.00006	PASS	
			HCH	VN	-3.35	-0.00191	PASS	



	0	LTE/TM2	5	LCH	VN	-2.82	-0.00165	PASS	
				MCH	VN	-0.36	-0.00021	PASS	
				HCH	VN	-0.40	-0.00023	PASS	
			10	LCH	VN	-3.71	-0.00216	PASS	
				MCH	VN	-0.60	-0.00035	PASS	
				HCH	VN	0.80	0.00046	PASS	
			15	LCH	VN	0.73	0.00043	PASS	
				MCH	VN	0.13	0.00008	PASS	
				HCH	VN	9.08	0.0052	PASS	
			20	LCH	VN	-2.53	-0.00147	PASS	
				MCH	VN	-0.01	-0.00001	PASS	
				HCH	VN	0.56	0.00032	PASS	
			1.4	1.4	LCH	VN	2.42	0.00141	PASS
					MCH	VN	0.80	0.00046	PASS
					HCH	VN	0.60	0.00034	PASS
				3	LCH	VN	-3.96	-0.00231	PASS
					MCH	VN	-0.26	-0.00015	PASS
					HCH	VN	3.35	0.00191	PASS
	5	LCH		VN	0.59	0.00034	PASS		
		MCH		VN	-0.11	-0.00006	PASS		
		HCH		VN	-0.26	-0.00015	PASS		
	10	LCH		VN	-11.84	-0.0069	PASS		
		MCH		VN	-0.46	-0.00027	PASS		
		HCH		VN	3.49	0.00199	PASS		
	15	LCH		VN	6.07	0.00353	PASS		
		MCH		VN	0.17	0.0001	PASS		
		HCH		VN	3.19	0.00183	PASS		
	20	LCH		VN	3.02	0.00176	PASS		
		MCH		VN	-0.76	-0.00044	PASS		
		HCH		VN	0.83	0.00048	PASS		
	0	LTE/TM1	1.4	LCH	VN	3.35	0.00196	PASS	
				MCH	VN	1.90	0.0011	PASS	
				HCH	VN	-0.90	-0.00051	PASS	
			3	LCH	VN	-16.21	-0.00947	PASS	
				MCH	VN	-0.21	-0.00012	PASS	
				HCH	VN	4.65	0.00265	PASS	
5			LCH	VN	-3.50	-0.00204	PASS		
			MCH	VN	-0.04	-0.00002	PASS		
			HCH	VN	-15.12	-0.00863	PASS		
10			LCH	VN	-0.16	-0.00009	PASS		
			MCH	VN	-1.03	-0.00059	PASS		
			HCH	VN	-1.32	-0.00075	PASS		



	10	LTE/TM2	15	LCH	VN	1.43	0.00083	PASS
				MCH	VN	-0.73	-0.00042	PASS
				HCH	VN	-15.64	-0.00895	PASS
			20	LCH	VN	-8.04	-0.00467	PASS
				MCH	VN	-0.53	-0.00031	PASS
				HCH	VN	0.09	0.00005	PASS
			1.4	LCH	VN	0.20	0.00012	PASS
				MCH	VN	-1.69	-0.00098	PASS
				HCH	VN	-0.77	-0.00044	PASS
			3	LCH	VN	1.63	0.00095	PASS
				MCH	VN	-0.46	-0.00027	PASS
				HCH	VN	3.62	0.00206	PASS
			5	LCH	VN	0.14	0.00008	PASS
				MCH	VN	-0.72	-0.00042	PASS
				HCH	VN	-4.95	-0.00282	PASS
			10	LCH	VN	-2.47	-0.00144	PASS
				MCH	VN	-0.01	-0.00001	PASS
				HCH	VN	2.23	0.00127	PASS
	15	LCH	VN	-9.00	-0.00524	PASS		
		MCH	VN	-0.26	-0.00015	PASS		
		HCH	VN	1.20	0.00069	PASS		
	20	LCH	VN	-6.14	-0.00357	PASS		
		MCH	VN	0.00	0	PASS		
		HCH	VN	0.46	0.00026	PASS		
	10	LTE/TM1	1.4	LCH	VN	5.82	0.0034	PASS
				MCH	VN	2.17	0.00125	PASS
				HCH	VN	0.00	0	PASS
			3	LCH	VN	0.53	0.00031	PASS
				MCH	VN	-0.62	-0.00036	PASS
				HCH	VN	1.79	0.00102	PASS
			5	LCH	VN	1.14	0.00067	PASS
				MCH	VN	-0.69	-0.0004	PASS
				HCH	VN	1.43	0.00082	PASS
			10	LCH	VN	1.06	0.00062	PASS
				MCH	VN	-1.10	-0.00063	PASS
				HCH	VN	7.21	0.00412	PASS
15			LCH	VN	3.45	0.00201	PASS	
			MCH	VN	0.24	0.00014	PASS	
			HCH	VN	1.24	0.00071	PASS	
20			LCH	VN	-4.96	-0.00288	PASS	
			MCH	VN	-0.67	-0.00039	PASS	
			HCH	VN	-0.43	-0.00025	PASS	



	20	LTE/TM2	1.4	LCH	VN	4.31	0.00252	PASS
				MCH	VN	-0.24	-0.00014	PASS
				HCH	VN	-0.09	-0.00005	PASS
			3	LCH	VN	1.65	0.00096	PASS
				MCH	VN	0.62	0.00036	PASS
				HCH	VN	4.91	0.0028	PASS
			5	LCH	VN	0.69	0.0004	PASS
				MCH	VN	-0.20	-0.00012	PASS
				HCH	VN	1.95	0.00111	PASS
			10	LCH	VN	-8.73	-0.00509	PASS
				MCH	VN	0.33	0.00019	PASS
				HCH	VN	7.64	0.00437	PASS
			15	LCH	VN	-1.66	-0.00097	PASS
				MCH	VN	-0.57	-0.00033	PASS
				HCH	VN	15.36	0.00879	PASS
			20	LCH	VN	-1.82	-0.00106	PASS
				MCH	VN	-0.27	-0.00016	PASS
				HCH	VN	1.36	0.00078	PASS
	20	LTE/TM1	1.4	LCH	VN	5.64	0.0033	PASS
				MCH	VN	0.27	0.00016	PASS
				HCH	VN	0.56	0.00032	PASS
			3	LCH	VN	27.21	0.0159	PASS
				MCH	VN	-0.21	-0.00012	PASS
				HCH	VN	0.40	0.00023	PASS
			5	LCH	VN	2.99	0.00175	PASS
				MCH	VN	0.06	0.00003	PASS
				HCH	VN	9.17	0.00523	PASS
			10	LCH	VN	-7.15	-0.00417	PASS
				MCH	VN	0.87	0.0005	PASS
				HCH	VN	0.47	0.00027	PASS
			15	LCH	VN	-2.37	-0.00138	PASS
				MCH	VN	-0.94	-0.00054	PASS
				HCH	VN	-13.93	-0.00797	PASS
			20	LCH	VN	-3.50	-0.00203	PASS
				MCH	VN	-1.65	-0.00095	PASS
				HCH	VN	13.66	0.00783	PASS
20	LTE/TM2	1.4	LCH	VN	-0.76	-0.00044	PASS	
			MCH	VN	2.10	0.00121	PASS	
			HCH	VN	-0.69	-0.00039	PASS	
		3	LCH	VN	2.92	0.00171	PASS	
			MCH	VN	-0.24	-0.00014	PASS	
			HCH	VN	-2.98	-0.0017	PASS	



30	LTE/TM1	5	LCH	VN	0.50	0.00029	PASS
			MCH	VN	0.86	0.0005	PASS
			HCH	VN	0.07	0.00004	PASS
		10	LCH	VN	6.37	0.00371	PASS
			MCH	VN	-0.43	-0.00025	PASS
			HCH	VN	8.25	0.00471	PASS
		15	LCH	VN	0.19	0.00011	PASS
			MCH	VN	-0.09	-0.00005	PASS
			HCH	VN	1.37	0.00078	PASS
		20	LCH	VN	4.78	0.00278	PASS
			MCH	VN	-0.13	-0.00008	PASS
			HCH	VN	0.36	0.00021	PASS
	LTE/TM2	1.4	LCH	VN	-3.52	-0.00206	PASS
			MCH	VN	2.30	0.00133	PASS
			HCH	VN	-0.07	-0.00004	PASS
		3	LCH	VN	1.54	0.0009	PASS
			MCH	VN	-0.31	-0.00018	PASS
			HCH	VN	3.86	0.0022	PASS
		5	LCH	VN	0.73	0.00043	PASS
			MCH	VN	-1.89	-0.00109	PASS
			HCH	VN	1.82	0.00104	PASS
		10	LCH	VN	3.22	0.00188	PASS
			MCH	VN	-0.62	-0.00036	PASS
			HCH	VN	5.36	0.00306	PASS
	15	LCH	VN	4.46	0.0026	PASS	
		MCH	VN	0.56	0.00032	PASS	
		HCH	VN	-3.35	-0.00192	PASS	
	20	LCH	VN	-2.93	-0.0017	PASS	
		MCH	VN	-7.77	-0.00448	PASS	
		HCH	VN	1.16	0.00066	PASS	
	1.4	LCH	VN	-0.06	-0.00004	PASS	
		MCH	VN	0.37	0.00021	PASS	
		HCH	VN	-0.04	-0.00002	PASS	
	3	LCH	VN	2.16	0.00126	PASS	
		MCH	VN	-0.06	-0.00003	PASS	
		HCH	VN	-2.53	-0.00144	PASS	
	5	LCH	VN	0.40	0.00023	PASS	
		MCH	VN	1.42	0.00082	PASS	
		HCH	VN	-1.24	-0.00071	PASS	
10	LCH	VN	1.89	0.0011	PASS		
	MCH	VN	-0.39	-0.00023	PASS		
	HCH	VN	2.42	0.00138	PASS		



	40	LTE/TM1	15	LCH	VN	0.57	0.00033	PASS	
				MCH	VN	-0.60	-0.00035	PASS	
				HCH	VN	0.60	0.00034	PASS	
			20	LCH	VN	1.17	0.00068	PASS	
				MCH	VN	-2.50	-0.00144	PASS	
				HCH	VN	0.07	0.00004	PASS	
			1.4	LCH	VN	3.02	0.00177	PASS	
				MCH	VN	0.30	0.00017	PASS	
				HCH	VN	1.23	0.0007	PASS	
				3	LCH	VN	2.56	0.0015	PASS
					MCH	VN	0.00	0	PASS
					HCH	VN	0.19	0.00011	PASS
	5	LCH		VN	0.31	0.00018	PASS		
		MCH		VN	-0.79	-0.00046	PASS		
		HCH		VN	-0.73	-0.00042	PASS		
	10	LCH	VN	-4.25	-0.00248	PASS			
		MCH	VN	0.46	0.00027	PASS			
		HCH	VN	2.98	0.0017	PASS			
	15	LCH	VN	-1.50	-0.00087	PASS			
		MCH	VN	0.09	0.00005	PASS			
		HCH	VN	0.92	0.00053	PASS			
	20	LCH	VN	3.03	0.00176	PASS			
		MCH	VN	-0.36	-0.00021	PASS			
		HCH	VN	0.29	0.00017	PASS			
	LTE/TM2	1.4	LCH	VN	1.27	0.00074	PASS		
			MCH	VN	-0.36	-0.00021	PASS		
			HCH	VN	-1.43	-0.00082	PASS		
		3	LCH	VN	20.38	0.01191	PASS		
			MCH	VN	-1.26	-0.00073	PASS		
			HCH	VN	9.40	0.00536	PASS		
		5	LCH	VN	-0.03	-0.00002	PASS		
			MCH	VN	1.26	0.00073	PASS		
			HCH	VN	-1.59	-0.00091	PASS		
		10	LCH	VN	-1.36	-0.00079	PASS		
			MCH	VN	0.51	0.00029	PASS		
			HCH	VN	7.70	0.0044	PASS		
		15	LCH	VN	-3.38	-0.00197	PASS		
			MCH	VN	-0.20	-0.00012	PASS		
			HCH	VN	-22.53	-0.01289	PASS		
		20	LCH	VN	-3.05	-0.00177	PASS		
			MCH	VN	-1.90	-0.0011	PASS		
			HCH	VN	-0.34	-0.00019	PASS		



50	LTE/TM1	1.4	LCH	VN	1.52	0.00089	PASS
			MCH	VN	-0.96	-0.00055	PASS
			HCH	VN	-0.26	-0.00015	PASS
		3	LCH	VN	-18.54	-0.01083	PASS
			MCH	VN	-0.17	-0.0001	PASS
			HCH	VN	5.74	0.00327	PASS
		5	LCH	VN	-11.69	-0.00683	PASS
			MCH	VN	1.04	0.0006	PASS
			HCH	VN	-4.39	-0.0025	PASS
		10	LCH	VN	-3.10	-0.00181	PASS
			MCH	VN	0.17	0.0001	PASS
			HCH	VN	-2.86	-0.00163	PASS
		15	LCH	VN	-2.43	-0.00141	PASS
			MCH	VN	0.29	0.00017	PASS
			HCH	VN	-6.69	-0.00383	PASS
		20	LCH	VN	-2.76	-0.0016	PASS
			MCH	VN	-0.20	-0.00012	PASS
			HCH	VN	1.12	0.00064	PASS
	LTE/TM2	1.4	LCH	VN	-1.85	-0.00108	PASS
			MCH	VN	-0.20	-0.00012	PASS
			HCH	VN	0.06	0.00003	PASS
		3	LCH	VN	-6.87	-0.00401	PASS
			MCH	VN	0.79	0.00046	PASS
			HCH	VN	-4.28	-0.00244	PASS
		5	LCH	VN	4.12	0.00241	PASS
			MCH	VN	-0.07	-0.00004	PASS
			HCH	VN	-0.16	-0.00009	PASS
		10	LCH	VN	10.04	0.00585	PASS
			MCH	VN	1.47	0.00085	PASS
			HCH	VN	2.93	0.00167	PASS
		15	LCH	VN	2.50	0.00146	PASS
			MCH	VN	-0.34	-0.0002	PASS
			HCH	VN	1.30	0.00074	PASS
		20	LCH	VN	3.43	0.00199	PASS
			MCH	VN	0.60	0.00035	PASS
			HCH	VN	-5.45	-0.00312	PASS

END