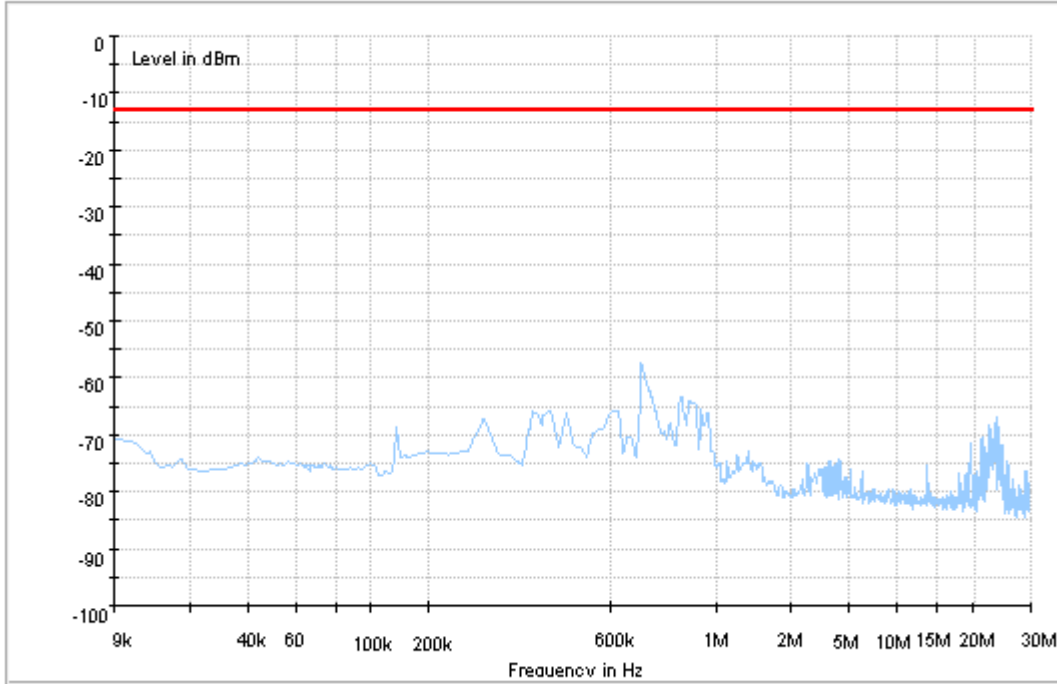
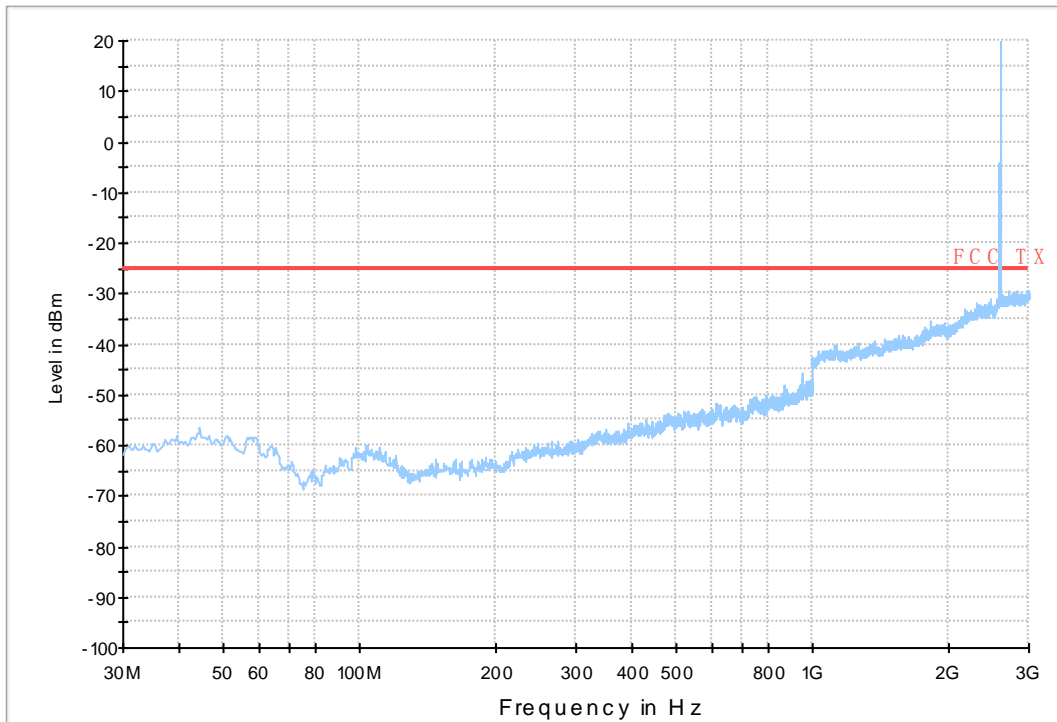


7.1.2 Test Band = BAND41_ANT2

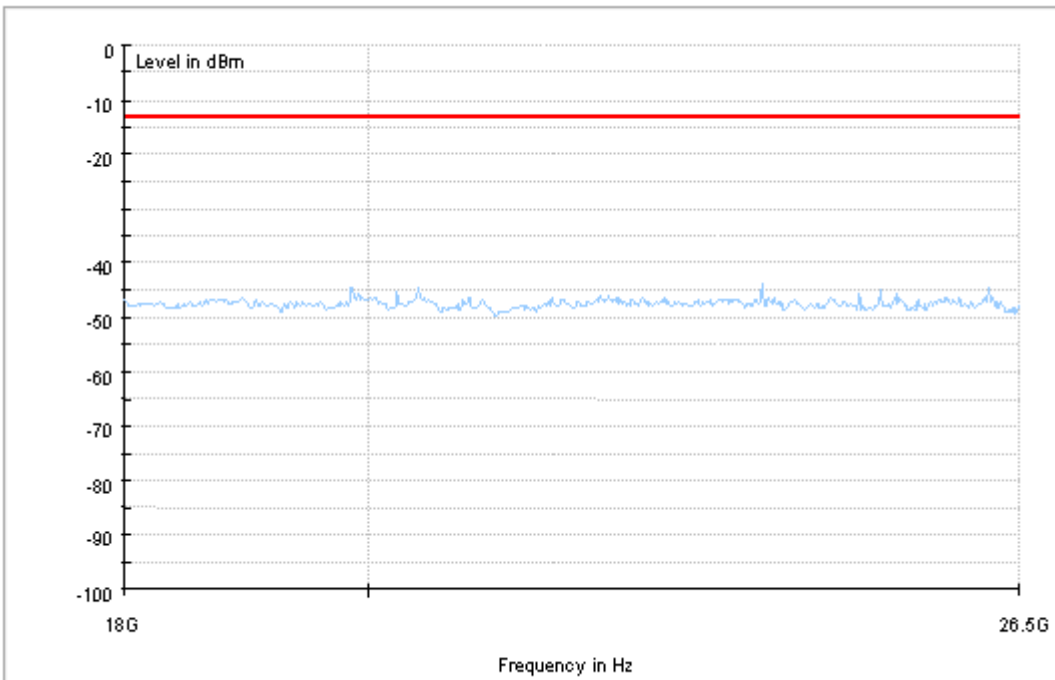
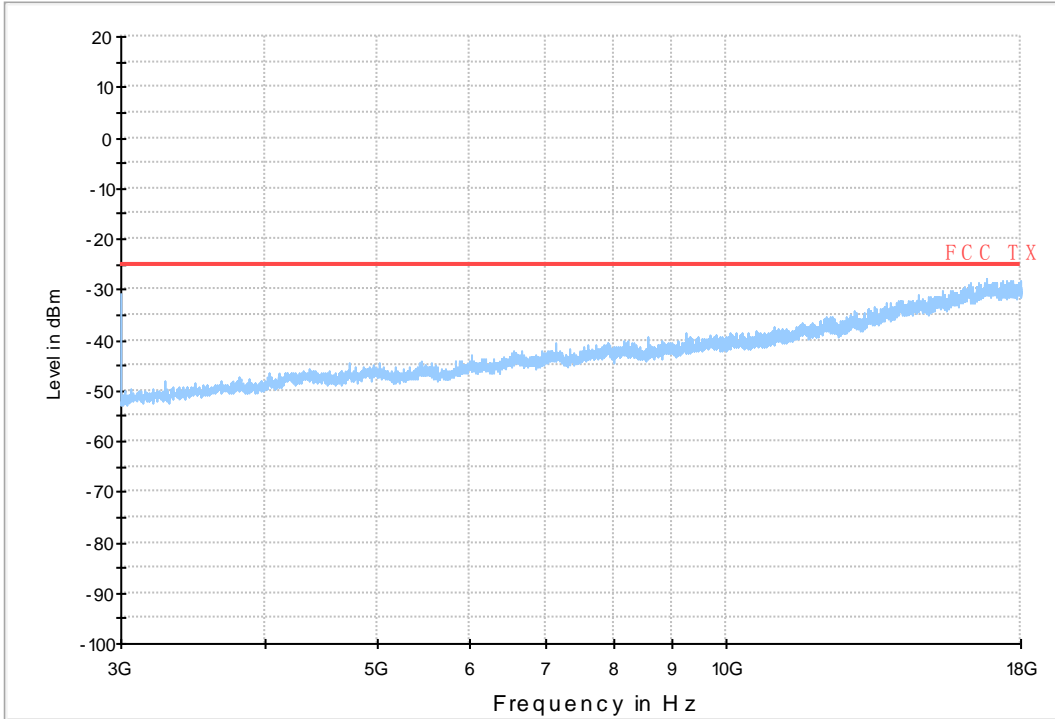
7.1.2.1 Test Bandwidth = 5



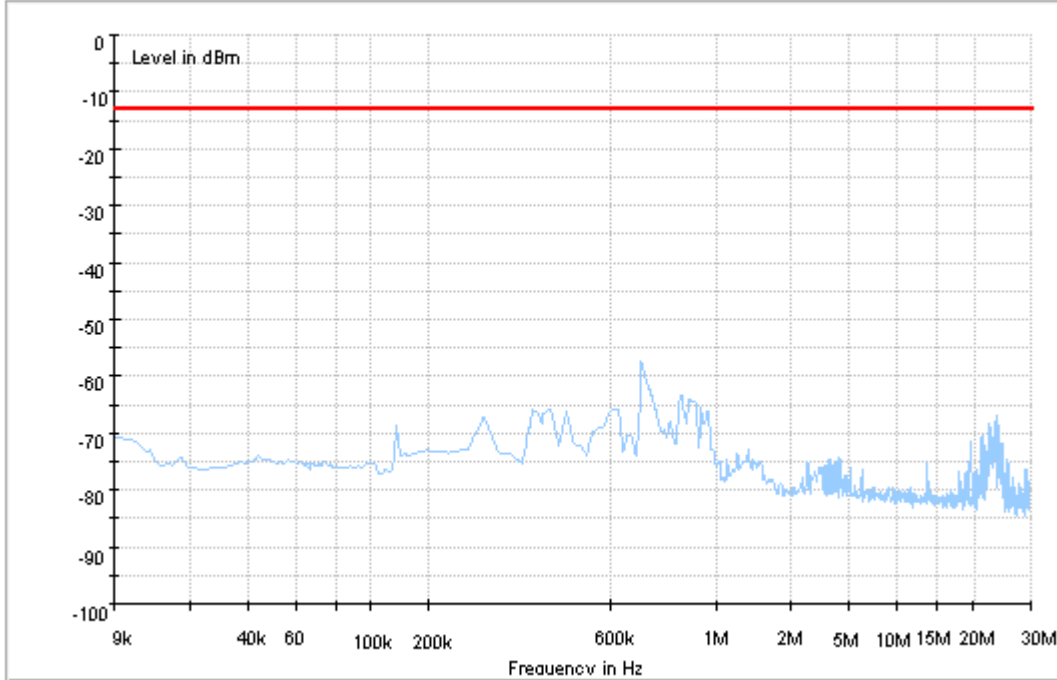
Copy of R SE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



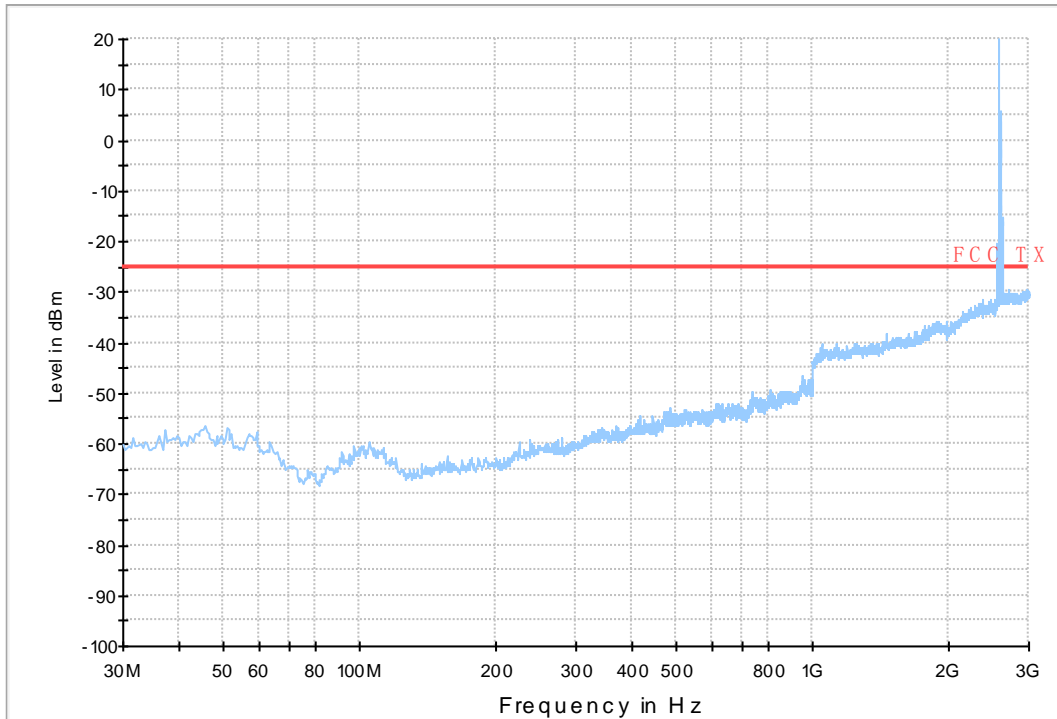
Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_H



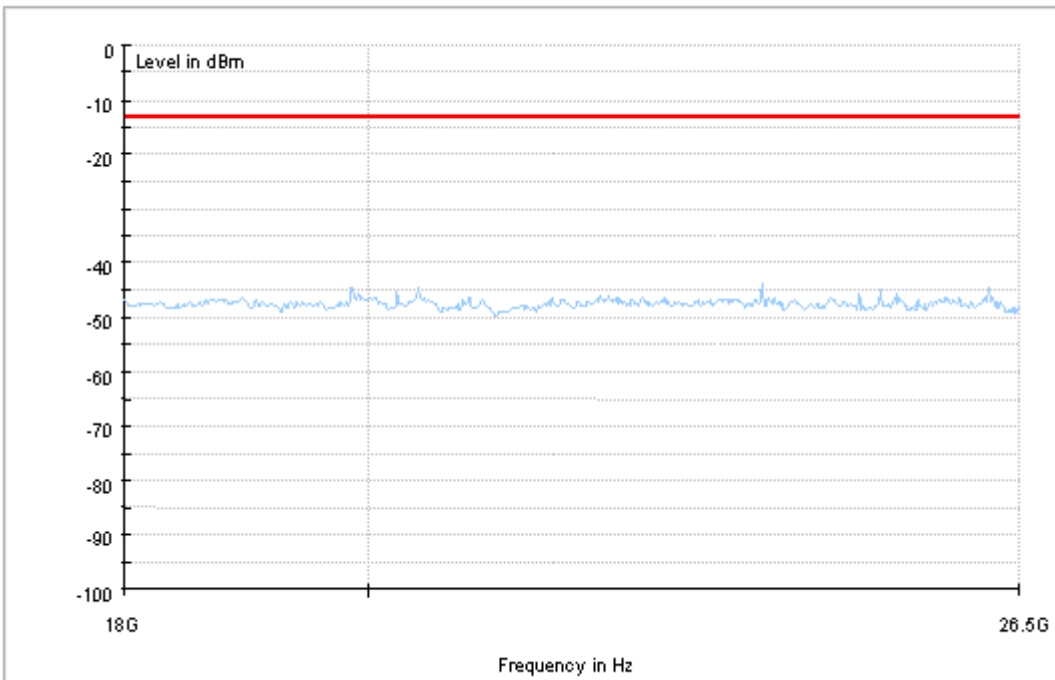
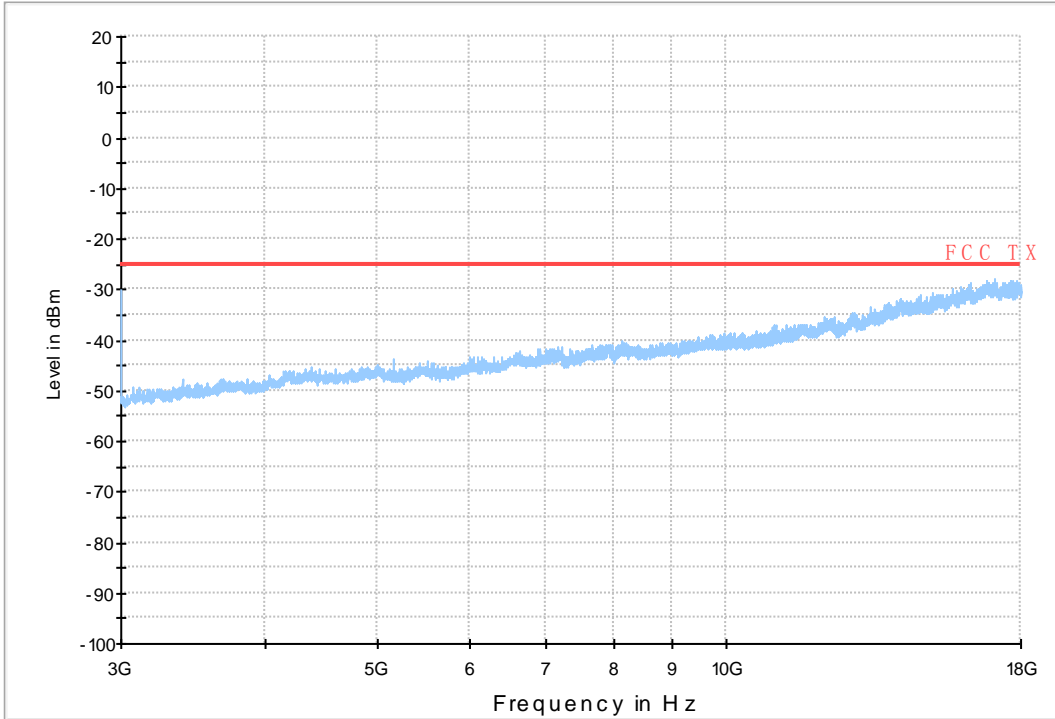
7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G Limit -25_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
BAND41	LTE/TM1	5	LCH	TN	VL	-4.25	-0.00167	PASS
					VN	-0.31	-0.00012	PASS
					VH	-6.51	-0.00256	PASS
			MCH	TN	VL	6.37	0.00248	PASS
					VN	8.64	0.00336	PASS
					VH	0.56	0.00022	PASS
			HCH	TN	VL	2.4	0.00093	PASS
					VN	-16.64	-0.00642	PASS
					VH	-7.15	-0.00276	PASS
		10	LCH	TN	VL	0.93	0.00036	PASS
					VN	0.39	0.00015	PASS
					VH	-3.13	-0.00123	PASS
			MCH	TN	VL	3.52	0.00137	PASS
					VN	0.07	0.00003	PASS
					VH	0.33	0.00013	PASS
			HCH	TN	VL	-0.1	-0.00004	PASS
					VN	1.69	0.00065	PASS
					VH	-0.4	-0.00015	PASS
		15	LCH	TN	VL	-2.15	-0.00084	PASS
					VN	-0.1	-0.00004	PASS
					VH	-2.75	-0.00108	PASS
			MCH	TN	VL	-1.39	-0.00054	PASS
					VN	-2.12	-0.00082	PASS
					VH	-1.9	-0.00074	PASS
			HCH	TN	VL	0.89	0.00034	PASS
					VN	1.23	0.00048	PASS
					VH	2.36	0.00091	PASS
		20	LCH	TN	VL	0.34	0.00013	PASS
					VN	1.37	0.00054	PASS
					VH	2.69	0.00105	PASS

LTE/TM2	5	MCH	TN	VL	-3.05	-0.00119	PASS	
				VN	-1.82	-0.00071	PASS	
				VH	-0.46	-0.00018	PASS	
		HCH	TN	VL	-2.62	-0.00101	PASS	
				VN	-7.68	-0.00297	PASS	
				VH	-9.87	-0.00382	PASS	
		LCH	TN	VL	0.57	0.00022	PASS	
				VN	-0.34	-0.00013	PASS	
				VH	-3.93	-0.00154	PASS	
		MCH	TN	VL	-1.9	-0.00074	PASS	
				VN	1.47	0.00057	PASS	
				VH	-1.97	-0.00077	PASS	
	HCH	TN	VL	-3.62	-0.0014	PASS		
			VN	-3.69	-0.00142	PASS		
			VH	-0.11	-0.00004	PASS		
	10	LCH	TN	VL	0.67	0.00026	PASS	
				VN	-1.63	-0.00064	PASS	
				VH	-1.72	-0.00067	PASS	
		MCH	TN	VL	0.94	0.00037	PASS	
				VN	4.05	0.00158	PASS	
				VH	1.33	0.00052	PASS	
		HCH	TN	VL	7.78	0.003	PASS	
				VN	0.11	0.00004	PASS	
				VH	-0.69	-0.00027	PASS	
		15	LCH	TN	VL	0.24	0.00009	PASS
					VN	-1.37	-0.00054	PASS
					VH	-0.19	-0.00007	PASS
	MCH		TN	VL	1.73	0.00067	PASS	
				VN	0.06	0.00002	PASS	
				VH	-1.06	-0.00041	PASS	
	HCH		TN	VL	9.28	0.00359	PASS	
				VN	5.71	0.00221	PASS	
				VH	16.84	0.00651	PASS	
	20	LCH	TN	VL	2.9	0.00114	PASS	
				VN	0.46	0.00018	PASS	
				VH	-0.2	-0.00008	PASS	
		MCH	TN	VL	-4.31	-0.00168	PASS	
				VN	-0.89	-0.00035	PASS	
				VH	-1.6	-0.00062	PASS	
		HCH	TN	VL	0.4	0.00015	PASS	
				VN	-5.35	-0.00207	PASS	



					VH	-3.88	-0.0015	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	5.15	0.00202	PASS
					-20	2.13	0.00084	PASS
					-10	-1.24	-0.00049	PASS
					0	0.69	0.00027	PASS
					10	0.77	0.0003	PASS
					20	-1.03	-0.0004	PASS
					30	1.95	0.00077	PASS
					40	3.3	0.0013	PASS
					50	-1.89	-0.00074	PASS
			MCH	VN	-30	2.1	0.00082	PASS
					-20	5.49	0.00214	PASS
					-10	-1.06	-0.00041	PASS
					0	1.77	0.00069	PASS
					10	4.68	0.00182	PASS
					20	-1.13	-0.00044	PASS
					30	0.23	0.00009	PASS
					40	0.41	0.00016	PASS
					50	4.31	0.00168	PASS
		HCH	VN	-30	1.77	0.00068	PASS	
				-20	4.18	0.00161	PASS	
				-10	-2.9	-0.00112	PASS	
				0	1.24	0.00048	PASS	
				10	-4.45	-0.00172	PASS	
				20	3.15	0.00122	PASS	
				30	-1.07	-0.00041	PASS	
				40	0.84	0.00032	PASS	
				50	2.26	0.00087	PASS	
10	LCH	VN	-30	1.23	0.00048	PASS		
			-20	2.8	0.0011	PASS		
			-10	2.33	0.00091	PASS		
			0	2.62	0.00103	PASS		
			10	1.14	0.00045	PASS		
			20	1.36	0.00053	PASS		
			30	-0.39	-0.00015	PASS		

			MCH	VN	40	5.41	0.00212	PASS
					50	0.29	0.00011	PASS
					-30	5.04	0.00196	PASS
					-20	2.57	0.001	PASS
					-10	1.2	0.00047	PASS
					0	4.68	0.00182	PASS
					10	2.46	0.00096	PASS
					20	-0.09	-0.00004	PASS
					30	-1.4	-0.00054	PASS
					40	3.88	0.00151	PASS
			50	3.02	0.00118	PASS		
			HCH	VN	-30	9.9	0.00382	PASS
					-20	0.09	0.00003	PASS
					-10	1.32	0.00051	PASS
					0	3.65	0.00141	PASS
					10	4.09	0.00158	PASS
					20	0.9	0.00035	PASS
					30	2.4	0.00093	PASS
					40	3.45	0.00133	PASS
			50	4.32	0.00167	PASS		
			LCH	VN	-30	1.4	0.00055	PASS
					-20	1.66	0.00065	PASS
					-10	1.06	0.00042	PASS
					0	2.36	0.00092	PASS
					10	-0.76	-0.0003	PASS
					20	1.76	0.00069	PASS
					30	0.56	0.00022	PASS
					40	0.37	0.00014	PASS
					50	1.5	0.00059	PASS
					MCH	VN	-30	1.97
			-20	1.5			0.00058	PASS
			-10	-0.43			-0.00017	PASS
			0	2.7			0.00105	PASS
			10	-2.12			-0.00082	PASS
			20	1.59			0.00062	PASS
			30	0.72			0.00028	PASS
			40	0.74			0.00029	PASS
			50	1.54	0.0006	PASS		
			HCH	VN	-30	0.62	0.00024	PASS
					-20	6.18	0.00239	PASS
					-10	1.17	0.00045	PASS

					0	2.46	0.00095	PASS		
					10	2.29	0.00089	PASS		
					20	-1.5	-0.00058	PASS		
					30	2.76	0.00107	PASS		
					40	-1.69	-0.00065	PASS		
					50	1.65	0.00064	PASS		
					LCH	VN	-30	-32.59	-0.01276	PASS
							-20	-29.2	-0.01143	PASS
							-10	-40.68	-0.01592	PASS
							0	-32.11	-0.01257	PASS
							10	-39.37	-0.01541	PASS
							20	-33.47	-0.0131	PASS
							30	-29.15	-0.01141	PASS
							40	-33.96	-0.01329	PASS
					MCH	VN	50	-29.53	-0.01156	PASS
							-30	1.49	0.00058	PASS
	-20	-1.32	-0.00051	PASS						
	-10	2.9	0.00113	PASS						
	0	0.79	0.00031	PASS						
	10	-3.36	-0.00131	PASS						
	20	0.2	0.00008	PASS						
	30	0.67	0.00026	PASS						
	HCH	VN	40	0.23	0.00009	PASS				
			50	-0.37	-0.00014	PASS				
			-30	4.68	0.00181	PASS				
			-20	1.73	0.00067	PASS				
			-10	-1.32	-0.00051	PASS				
			0	-2.33	-0.0009	PASS				
			10	1	0.00039	PASS				
			20	2.03	0.00079	PASS				
	LTE/TM2	5	LCH	VN	30	-0.09	-0.00003	PASS		
					40	-2.79	-0.00108	PASS		
50					0.17	0.00007	PASS			
-30					0.8	0.00031	PASS			
-20					1.75	0.00069	PASS			
-10					2.32	0.00091	PASS			
0					-1.63	-0.00064	PASS			
10					0.17	0.00007	PASS			
20	2.19	0.00086	PASS							
30	-1.34	-0.00053	PASS							
40	-1.86	-0.00073	PASS							

				50	1.02	0.0004	PASS		
			MCH	VN	-30	-1.04	-0.0004	PASS	
					-20	3.55	0.00138	PASS	
					-10	0.04	0.00002	PASS	
					0	4.06	0.00158	PASS	
					10	0.13	0.00005	PASS	
					20	-5.51	-0.00214	PASS	
					30	-0.29	-0.00011	PASS	
					40	-0.94	-0.00037	PASS	
					50	6.9	0.00268	PASS	
			HCH	VN	-30	1.83	0.00071	PASS	
					-20	1.75	0.00068	PASS	
					-10	4.31	0.00166	PASS	
					0	2.4	0.00093	PASS	
					10	-1.57	-0.00061	PASS	
					20	2.05	0.00079	PASS	
					30	-0.46	-0.00018	PASS	
					40	3.18	0.00123	PASS	
					50	-2.72	-0.00105	PASS	
		10	LCH	VN	-30	0.76	0.0003	PASS	
						-20	-0.47	-0.00018	PASS
						-10	4.89	0.00192	PASS
						0	3.96	0.00155	PASS
						10	1.67	0.00065	PASS
						20	2.98	0.00117	PASS
						30	1.56	0.00061	PASS
						40	0.13	0.00005	PASS
						50	-1.32	-0.00052	PASS
				MCH	VN	-30	3.53	0.00137	PASS
						-20	3.83	0.00149	PASS
						-10	2.09	0.00081	PASS
						0	4.31	0.00168	PASS
						10	2.68	0.00104	PASS
						20	3.28	0.00128	PASS
						30	2.36	0.00092	PASS
						40	5.18	0.00202	PASS
						50	1.29	0.0005	PASS
			HCH	VN	-30	-1.33	-0.00051	PASS	
					-20	2.12	0.00082	PASS	
					-10	4.01	0.00155	PASS	
					0	5.11	0.00197	PASS	

					10	-3.53	-0.00136	PASS			
					20	1.47	0.00057	PASS			
					30	3.38	0.00131	PASS			
					40	3.38	0.00131	PASS			
					50	1.85	0.00071	PASS			
		15	LCH	VN	-30	1.82	0.00071	PASS			
								-20	1.44	0.00056	PASS
								-10	-0.23	-0.00009	PASS
								0	0.34	0.00013	PASS
								10	-1.86	-0.00073	PASS
								20	0.29	0.00011	PASS
				MCH	VN	30	-0.6	-0.00024	PASS		
								40	2.43	0.00095	PASS
								50	-1.27	-0.0005	PASS
								-30	2.59	0.00101	PASS
								-20	-0.62	-0.00024	PASS
								-10	-0.17	-0.00007	PASS
				HCH	VN	0	3.53	0.00137	PASS		
								10	3.92	0.00153	PASS
								20	4.41	0.00172	PASS
								30	-1.79	-0.0007	PASS
								40	4.32	0.00168	PASS
								50	0.73	0.00028	PASS
		20	LCH	VN	-30	-0.56	-0.00022	PASS			
								-20	4.12	0.00159	PASS
								-10	0.56	0.00022	PASS
								0	-1.72	-0.00066	PASS
								10	0.21	0.00008	PASS
								20	-0.34	-0.00013	PASS
								30	-2.42	-0.00094	PASS
								40	1.2	0.00046	PASS
								50	1.44	0.00056	PASS
								-30	-103.08	-0.04034	PASS
					-20	-102.78	-0.04023	PASS			
					-10	-98.45	-0.03853	PASS			
					0	-102.32	-0.04005	PASS			
					10	-107.49	-0.04207	PASS			
					20	-100.01	-0.03914	PASS			
					30	-99.46	-0.03893	PASS			
					40	-101.24	-0.03962	PASS			
					50	-109.53	-0.04287	PASS			

			MCH	VN	-30	0.31	0.00012	PASS
					-20	-2.75	-0.00107	PASS
					-10	1.24	0.00048	PASS
					0	0.07	0.00003	PASS
					10	0.31	0.00012	PASS
					20	1.02	0.0004	PASS
					30	-0.92	-0.00036	PASS
					40	1.02	0.0004	PASS
			HCH	VN	50	-1.69	-0.00066	PASS
					-30	0.04	0.00002	PASS
					-20	1.1	0.00043	PASS
					-10	1.29	0.0005	PASS
					0	-0.99	-0.00038	PASS
					10	-1.13	-0.00044	PASS
					20	0.94	0.00036	PASS
					30	-0.23	-0.00009	PASS
40	-0.36	-0.00014	PASS					
50	-2.17	-0.00084	PASS					

END