

Test Mode	LTE Band 85_BPSK_CH23230_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-2.89	-0.004087694	± 2.5
-10	2.56	0.003620934	
0	10.84	0.01533239	
10	-11.91	-0.016845827	
20	-8.29	-0.011725601	
30	-12.31	-0.017411598	
40	3.88	0.005487977	
50	5.22	0.00738331	
60	-2.73	-0.003861386	
Max. Deviation (ppm)	-12.31	-0.017411598	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	8.21	0.011612447	± 2.5
3.7	9.10	0.012871287	
3.3	-11.40	-0.01612447	
Max. Deviation (ppm)	-11.4	-0.01612447	

Test Mode	LTE Band 4_QPSK_CH20175_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-12.08	-0.006972583	± 2.5
-10	12.95	0.007474747	
0	-0.75	-0.0004329	
10	-10.43	-0.006020202	
20	5.07	0.002926407	
30	-13.38	-0.007722944	
40	6.88	0.00397114	
50	-1.33	-0.000767677	
60	-14.72	-0.008496392	
Max. Deviation (ppm)	-14.72	-0.008496392	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-13.24	-0.007642136	± 2.5
3.7	0.61	0.000352092	
3.3	-8.49	-0.004900433	
Max. Deviation (ppm)	-13.24	-0.007642136	

Test Mode	LTE Band 4_QPSK_CH20175_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-1.40	-0.000808081	± 2.5
-10	-11.23	-0.006481962	
0	2.55	0.001471861	
10	-10.93	-0.006308802	
20	-2.52	-0.001454545	
30	11.59	0.006689755	
40	-9.51	-0.005489177	
50	-3.99	-0.00230303	
60	-10.06	-0.005806638	
Max. Deviation (ppm)	11.59	0.006689755	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	14.11	0.0081443	± 2.5
3.7	0.91	0.000525253	
3.3	7.33	0.00423088	
Max. Deviation (ppm)	14.11	0.0081443	

Test Mode	LTE Band 12_QPSK_CH23095_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	2.75	0.003886926	± 2.5
-10	11.11	0.01570318	
0	-7.90	0.011166078	
10	-6.30	0.008904594	
20	0.83	0.001173145	
30	0.25	0.000353357	
40	-5.37	0.007590106	
50	-11.38	0.016084806	
60	-8.78	0.012409894	
Max. Deviation (ppm)	-11.38	0.016084806	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-5.11	0.007222615	± 2.5
3.7	10.20	0.014416961	
3.3	10.83	0.01530742	
Max. Deviation (ppm)	10.83	0.01530742	

Test Mode	LTE Band 12_QPSK_CH23095_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-2.62	-0.00370318	± 2.5
-10	6.36	0.008989399	
0	-11.32	-0.016	
10	4.58	0.006473498	
20	-14.06	-0.019872792	
30	1.05	0.001484099	
40	-11.71	-0.016551237	
50	-4.85	-0.006855124	
60	1.33	0.001879859	
Max. Deviation (ppm)	-14.06	-0.019872792	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	9.27	0.013102473	± 2.5
3.7	-8.36	-0.011816254	
3.3	-1.85	-0.002614841	
Max. Deviation (ppm)	9.27	0.013102473	

Test Mode	LTE Band 13_QPSK_CH23230_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-2.52	0.003222506	± 2.5
-10	11.49	0.014693095	
0	-7.54	0.009641944	
10	13.07	0.016713555	
20	-8.75	0.011189258	
30	4.48	0.0057289	
40	-0.13	0.00016624	
50	2.35	0.003005115	
60	-6.02	0.00769821	
Max. Deviation (ppm)	13.07	0.016713555	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-9.17	0.011726343	± 2.5
3.7	-4.48	0.0057289	
3.3	7.04	0.009002558	
Max. Deviation (ppm)	-9.17	0.011726343	

Test Mode	LTE Band 13_QPSK_CH23230_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-0.39	-0.000498721	± 2.5
-10	12.94	0.016547315	
0	8.86	0.011329923	
10	6.61	0.008452685	
20	9.00	0.011508951	
30	0.33	0.000421995	
40	-13.33	-0.017046036	
50	-7.44	-0.009514066	
60	-11.20	-0.014322251	
Max. Deviation (ppm)	-13.33	-0.017046036	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	2.80	0.003580563	± 2.5
3.7	-8.79	-0.011240409	
3.3	2.14	0.002736573	
Max. Deviation (ppm)	-8.79	-0.011240409	

Test Mode	LTE Band 66_QPSK_CH132322_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	9.86	0.00565043	± 2.5
-10	-12.95	-0.007421203	
0	-10.42	-0.005971347	
10	7.75	0.004441261	
20	2.07	0.001186246	
30	-4.30	-0.002464183	
40	-11.65	-0.006676218	
50	-12.52	-0.007174785	
60	-6.56	-0.003759312	
Max. Deviation (ppm)	-12.95	-0.007421203	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	9.16	0.005249284	± 2.5
3.7	-5.58	-0.003197708	
3.3	-1.11	-0.000636103	
Max. Deviation (ppm)	9.16	0.005249284	

Test Mode	LTE Band 66_QPSK_CH132322_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-2.93	-0.001679083	± 2.5
-10	2.77	0.001587393	
0	-5.29	-0.003031519	
10	-1.63	-0.000934097	
20	1.54	0.000882521	
30	3.73	0.002137536	
40	-2.72	-0.001558739	
50	10.12	0.005799427	
60	5.87	0.003363897	
Max. Deviation (ppm)	10.12	0.005799427	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-4.88	-0.002796562	± 2.5
3.7	-6.80	-0.003896848	
3.3	-6.35	-0.003638968	
Max. Deviation (ppm)	-6.8	-0.003896848	

Test Mode	LTE Band 71_QPSK_CH23095_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-13.07	-0.019206466	± 2.5
-10	-6.50	-0.0095518	
0	3.15	0.004628949	
10	2.38	0.003497428	
20	5.43	0.007979427	
30	-11.78	-0.017310801	
40	-2.48	-0.003644379	
50	-13.08	-0.019221161	
60	-6.10	-0.008963997	
Max. Deviation (ppm)	-13.08	-0.019221161	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-12.22	-0.017957384	± 2.5
3.7	9.44	0.013872153	
3.3	-9.83	-0.014445261	
Max. Deviation (ppm)	-12.22	-0.017957384	

Test Mode	LTE Band 71_QPSK_CH23095_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	1.77	0.002601029	± 2.5
-10	-2.62	-0.00385011	
0	-1.31	-0.001925055	
10	-9.80	-0.014401176	
20	-8.43	-0.01238795	
30	-7.38	-0.010844967	
40	-0.68	-0.000999265	
50	6.15	0.009037472	
60	-10.18	-0.014959589	
Max. Deviation (ppm)	-10.18	-0.014959589	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-6.20	-0.009110948	± 2.5
3.7	9.41	0.013828068	
3.3	1.82	0.002674504	
Max. Deviation (ppm)	9.41	0.013828068	

Test Mode	LTE Band 85_QPSK_CH23230_3.75KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	3.46	0.004893918	± 2.5
-10	8.57	0.012121641	
0	-3.51	-0.004964639	
10	-3.79	-0.005360679	
20	11.90	0.016831683	
30	-11.12	-0.01572843	
40	2.10	0.002970297	
50	11.94	0.01688826	
60	5.25	0.007425743	
Max. Deviation (ppm)	11.94	0.01688826	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	8.57	0.012121641	± 2.5
3.7	9.89	0.013988685	
3.3	8.21	0.011612447	
Max. Deviation (ppm)	9.89	0.013988685	

Test Mode	LTE Band 85_QPSK_CH23230_15KHz
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-11.55	-0.016336634	± 2.5
-10	9.37	0.013253182	
0	9.23	0.013055163	
10	-12.76	-0.018048091	
20	-6.87	-0.009717115	
30	-8.56	-0.012107496	
40	10.34	0.014625177	
50	-13.18	-0.01864215	
60	3.74	0.005289958	
Max. Deviation (ppm)	-13.18	-0.01864215	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	7.37	0.010424328	± 2.5
3.7	7.66	0.010834512	
3.3	7.46	0.010551627	
Max. Deviation (ppm)	7.66	0.010834512	

End of Test Report