

Test Mode	LTE Band 4_CH20175_15M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	2.12	0.001223665	± 2.5
-10	-4.42	-0.002551227	
0	-5.62	-0.003243867	
10	3.66	0.002112554	
20	-5.30	-0.003059163	
30	5.95	0.003434343	
40	4.62	0.002666667	
50	1.55	0.000894661	
60	-3.95	-0.002279942	
Max. Deviation (ppm)	5.95	0.003434343	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-5.99	-0.003457431	± 2.5
3.7	1.15	0.000663781	
3.3	5.84	0.003370851	
Max. Deviation (ppm)	-5.99	-0.003457431	

Test Mode	LTE Band 4_CH20175_20M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.33	-0.003076479	± 2.5
-10	1.84	0.001062049	
0	4.59	0.002649351	
10	-1.95	-0.001125541	
20	-5.48	-0.003163059	
30	2.31	0.001333333	
40	-5.19	-0.002995671	
50	-4.86	-0.002805195	
60	-2.71	-0.001564214	
Max. Deviation (ppm)	-5.48	-0.003163059	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-1.91	-0.001102453	± 2.5
3.7	-5.94	-0.003428571	
3.3	-6.44	-0.003717172	
Max. Deviation (ppm)	-6.44	-0.003717172	

Test Mode	LTE Band 12_CH23095_1.4M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.26	0.007434629	± 2.5
-10	5.38	0.00760424	
0	2.33	0.003293286	
10	3.07	0.004339223	
20	-6.59	0.009314488	
30	5.32	0.007519435	
40	-2.85	0.004028269	
50	3.03	0.004282686	
60	1.85	0.002614841	
Max. Deviation (ppm)	-6.59	0.009314488	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-6.43	0.009088339	± 2.5
3.7	-2.73	0.003858657	
3.3	-6.12	0.008650177	
Max. Deviation (ppm)	-6.43	0.009088339	

Test Mode	LTE Band 12_CH23095_3M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	5.60	0.007915194	± 2.5
-10	6.46	0.009130742	
0	-4.73	0.006685512	
10	5.98	0.008452297	
20	-3.66	0.005173145	
30	4.98	0.007038869	
40	5.55	0.007844523	
50	-5.71	0.008070671	
60	3.45	0.004876325	
Max. Deviation (ppm)	6.46	0.009130742	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-4.07	0.00575265	± 2.5
3.7	-2.18	0.003081272	
3.3	1.52	0.00214841	
Max. Deviation (ppm)	-4.07	0.00575265	

Test Mode	LTE Band 12_CH23095_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	2.12	0.002996466	± 2.5
-10	-3.56	-0.005031802	
0	2.15	0.003038869	
10	4.20	0.005936396	
20	-1.63	-0.002303887	
30	-3.09	-0.004367491	
40	3.11	0.00439576	
50	5.86	0.008282686	
60	-4.43	-0.006261484	
Max. Deviation (ppm)	5.86	0.008282686	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-6.62	-0.00935689	± 2.5
3.7	6.83	0.00965371	
3.3	-4.03	-0.005696113	
Max. Deviation (ppm)	6.83	0.00965371	

Test Mode	LTE Band 12_CH23095_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-3.87	-0.005469965	± 2.5
-10	6.99	0.009879859	
0	-5.84	-0.008254417	
10	-3.76	-0.005314488	
20	6.56	0.009272085	
30	2.29	0.003236749	
40	-2.09	-0.002954064	
50	-5.42	-0.007660777	
60	-4.78	-0.006756184	
Max. Deviation (ppm)	6.99	0.009879859	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-3.07	-0.004339223	± 2.5
3.7	1.95	0.002756184	
3.3	-4.17	-0.005893993	
Max. Deviation (ppm)	-4.17	-0.005893993	

Test Mode	LTE Band 13_CH23230_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.86	-0.007493606	± 2.5
-10	4.22	0.005396419	
0	-2.63	-0.003363171	
10	-2.85	-0.003644501	
20	-2.24	-0.00286445	
30	5.03	0.006432225	
40	-1.48	-0.001892583	
50	6.17	0.007890026	
60	6.65	0.008503836	
Max. Deviation (ppm)	6.65	0.008503836	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	5.85	0.007480818	± 2.5
3.7	-6.56	-0.008388747	
3.3	-4.79	-0.00612532	
Max. Deviation (ppm)	-6.56	-0.008388747	

Test Mode	LTE Band 13_CH23230_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	1.57	0.002007673	± 2.5
-10	-1.14	-0.001457801	
0	-1.08	-0.001381074	
10	-4.12	-0.005268542	
20	-2.21	-0.002826087	
30	-4.69	-0.005997442	
40	5.11	0.006534527	
50	3.17	0.004053708	
60	-5.35	-0.006841432	
Max. Deviation (ppm)	-5.35	-0.006841432	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	1.53	0.001956522	± 2.5
3.7	3.85	0.004923274	
3.3	-3.73	-0.004769821	
Max. Deviation (ppm)	3.85	0.004923274	

Test Mode	LTE Band 66_CH132322_1.4M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-1.24	-0.000710602	± 2.5
-10	4.34	0.002487106	
0	3.04	0.00174212	
10	3.69	0.002114613	
20	-6.23	-0.003570201	
30	5.38	0.003083095	
40	3.87	0.002217765	
50	-4.38	-0.002510029	
60	-5.93	-0.003398281	
Max. Deviation (ppm)	-6.23	-0.003570201	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-2.88	-0.00165043	± 2.5
3.7	-6.35	-0.003638968	
3.3	-3.32	-0.001902579	
Max. Deviation (ppm)	-6.35	-0.003638968	

Test Mode	LTE Band 66_CH132322_3M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	3.83	0.002194842	± 2.5
-10	7.34	0.004206304	
0	3.62	0.002074499	
10	6.68	0.00382808	
20	7.14	0.004091691	
30	2.06	0.001180516	
40	-1.63	-0.000934097	
50	-5.64	-0.003232092	
60	4.67	0.002676218	
Max. Deviation (ppm)	7.34	0.004206304	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-3.25	-0.001862464	± 2.5
3.7	-5.64	-0.003232092	
3.3	4.22	0.002418338	
Max. Deviation (ppm)	-5.64	-0.003232092	

Test Mode	LTE Band 66_CH132322_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	6.23	0.003570201	± 2.5
-10	1.86	0.001065903	
0	-6.21	-0.003558739	
10	3.01	0.001724928	
20	-2.33	-0.001335244	
30	-4.39	-0.002515759	
40	2.92	0.001673352	
50	-5.39	-0.003088825	
60	-6.52	-0.00373639	
Max. Deviation (ppm)	-6.52	-0.00373639	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-1.68	-0.000962751	± 2.5
3.7	5.87	0.003363897	
3.3	3.35	0.001919771	
Max. Deviation (ppm)	5.87	0.003363897	

Test Mode	LTE Band 66_CH132322_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	6.95	0.003982808	± 2.5
-10	7.13	0.00408596	
0	3.52	0.002017192	
10	-1.12	-0.000641834	
20	-2.95	-0.001690544	
30	0.91	0.00052149	
40	-2.81	-0.001610315	
50	1.54	0.000882521	
60	1.13	0.000647564	
Max. Deviation (ppm)	7.13	0.00408596	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-4.16	-0.002383954	± 2.5
3.7	2.84	0.001627507	
3.3	6.20	0.003553009	
Max. Deviation (ppm)	6.2	0.003553009	

Test Mode	LTE Band 66_CH132322_15M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-2.69	-0.001541547	± 2.5
-10	-4.11	-0.002355301	
0	-1.11	-0.000636103	
10	-2.40	-0.001375358	
20	-6.41	-0.003673352	
30	-3.37	-0.001931232	
40	-5.39	-0.003088825	
50	-6.57	-0.003765043	
60	3.04	0.00174212	
Max. Deviation (ppm)	-6.57	-0.003765043	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-5.89	-0.003375358	± 2.5
3.7	5.46	0.00312894	
3.3	4.26	0.002441261	
Max. Deviation (ppm)	-5.89	-0.003375358	

Test Mode	LTE Band 66_CH132322_20M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	5.47	0.00313467	± 2.5
-10	6.66	0.003816619	
0	-4.94	-0.002830946	
10	-5.93	-0.003398281	
20	2.16	0.001237822	
30	-2.50	-0.001432665	
40	5.12	0.002934097	
50	3.09	0.001770774	
60	2.46	0.001409742	
Max. Deviation (ppm)	6.66	0.003816619	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-2.43	-0.00139255	± 2.5
3.7	-2.46	-0.001409742	
3.3	-5.71	-0.003272206	
Max. Deviation (ppm)	-5.71	-0.003272206	

Test Mode	LTE Band 85_CH134092_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	6.10	0.008628006	± 2.5
-10	5.87	0.008302687	
0	-5.18	-0.007326733	
10	-4.78	-0.006760962	
20	-0.53	-0.000749646	
30	-3.91	-0.00553041	
40	-1.41	-0.001994342	
50	-3.41	-0.004823197	
60	-2.27	-0.00321075	
Max. Deviation (ppm)	6.1	0.008628006	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	-6.38	-0.009024045	± 2.5
3.7	3.46	0.004893918	
3.3	1.55	0.002192362	
Max. Deviation (ppm)	-6.38	-0.009024045	

Test Mode	LTE Band 85_CH134092_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.36	-0.00758133	± 2.5
-10	2.63	0.003719943	
0	2.51	0.003550212	
10	-2.39	-0.003380481	
20	-3.44	-0.004865629	
30	3.97	0.005615276	
40	-2.11	-0.002984441	
50	1.58	0.002234795	
60	-3.42	-0.004837341	
Max. Deviation (ppm)	-5.36	-0.00758133	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
4.2	4.15	0.005869873	± 2.5
3.7	4.38	0.006195191	
3.3	-2.96	-0.004186704	
Max. Deviation (ppm)	4.38	0.006195191	

End of Test Report