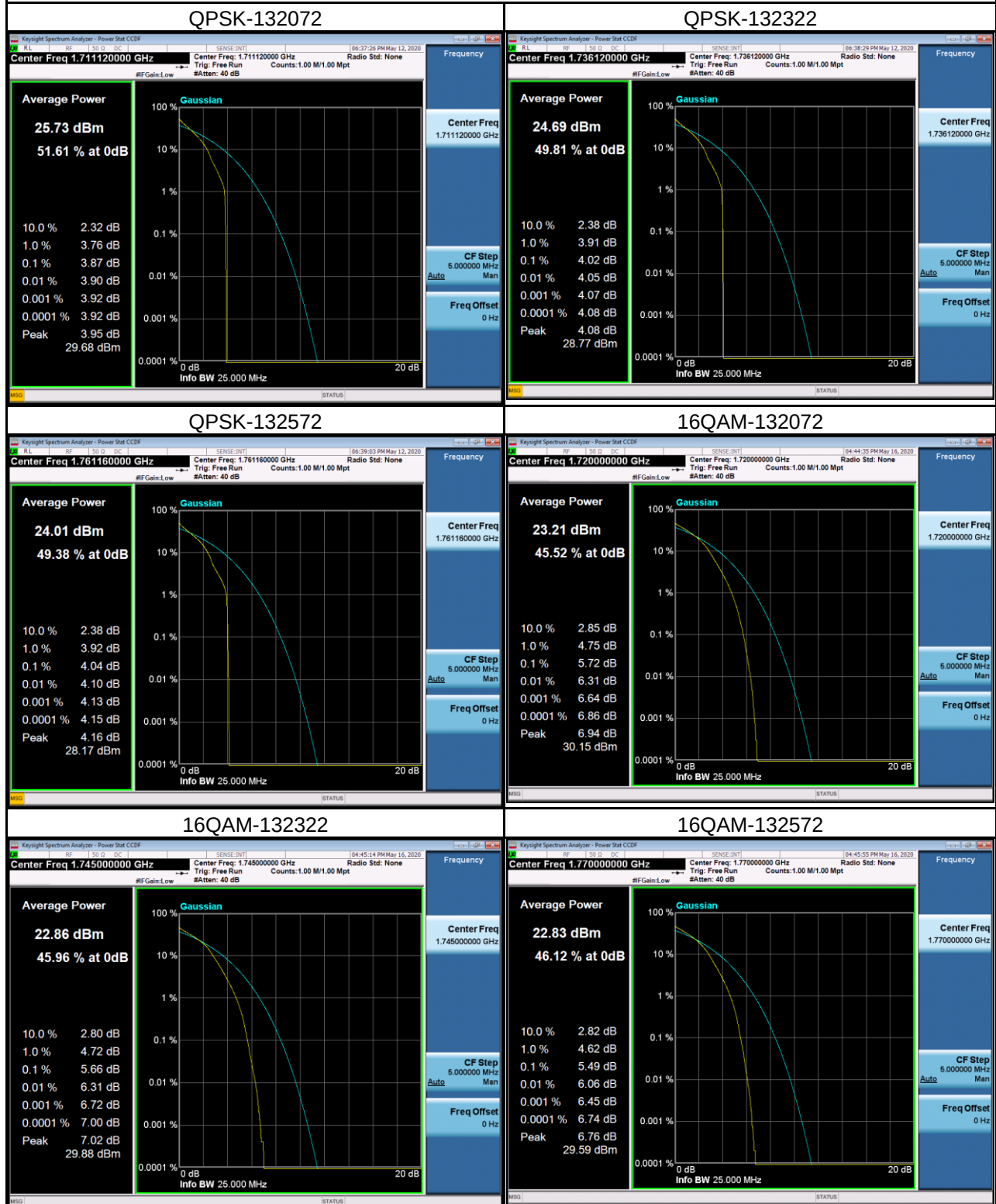
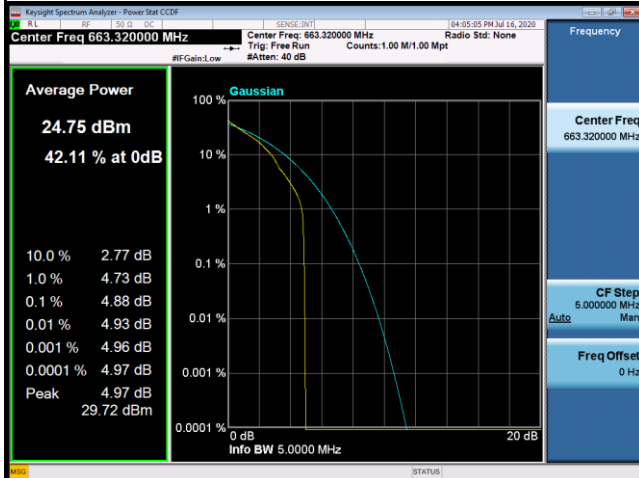


LTE Band 66 _20M

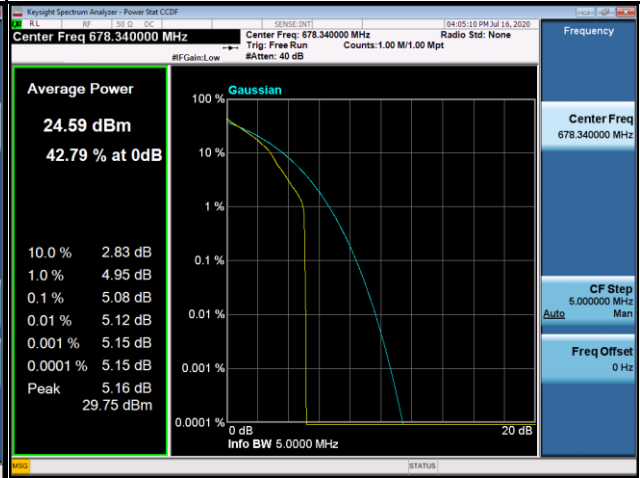


LTE Band 71 _5M

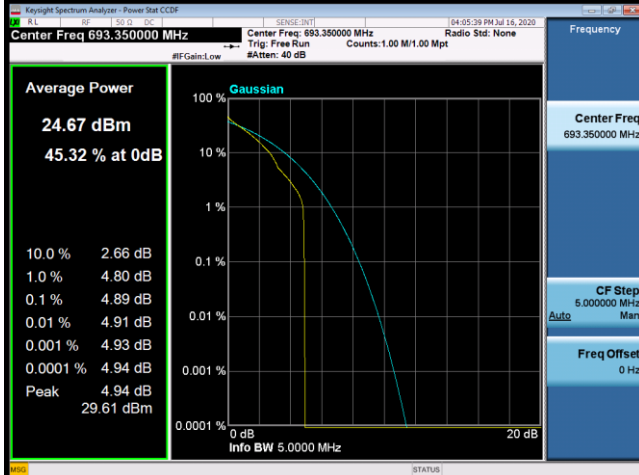
QPSK-133147



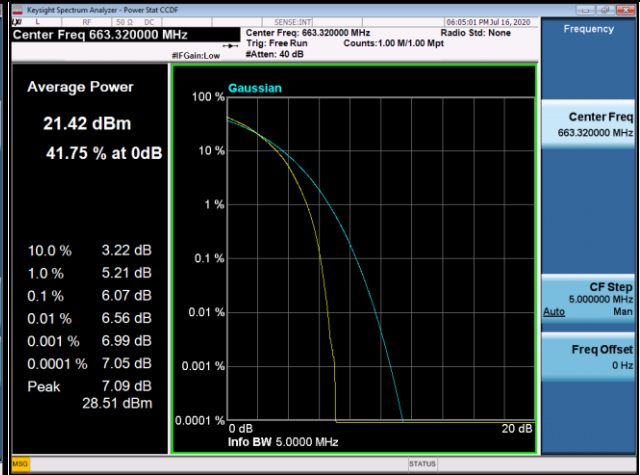
QPSK-133297



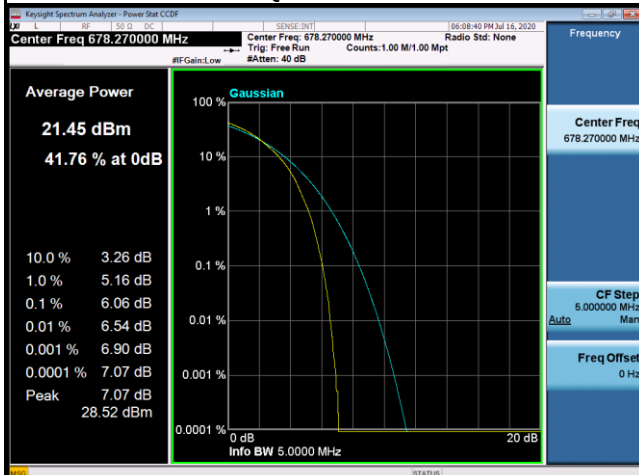
QPSK-133447



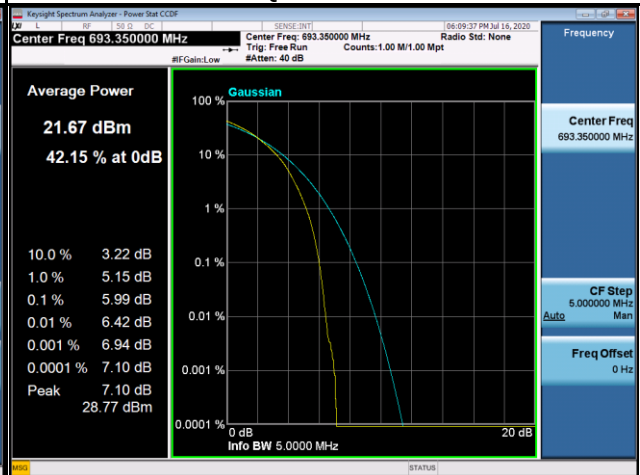
16QAM-133147



16QAM-133297

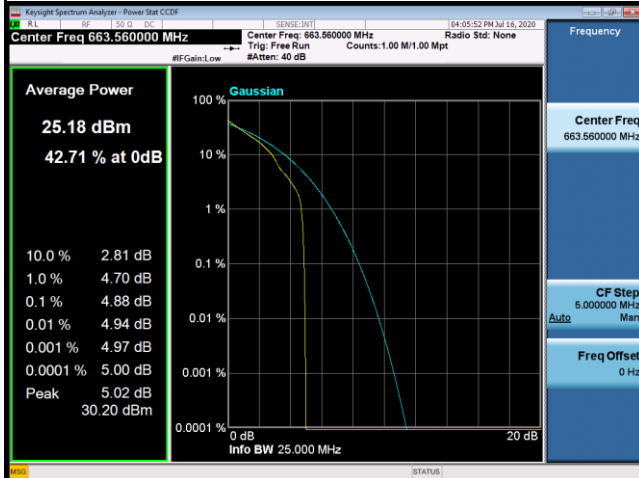


16QAM-133447

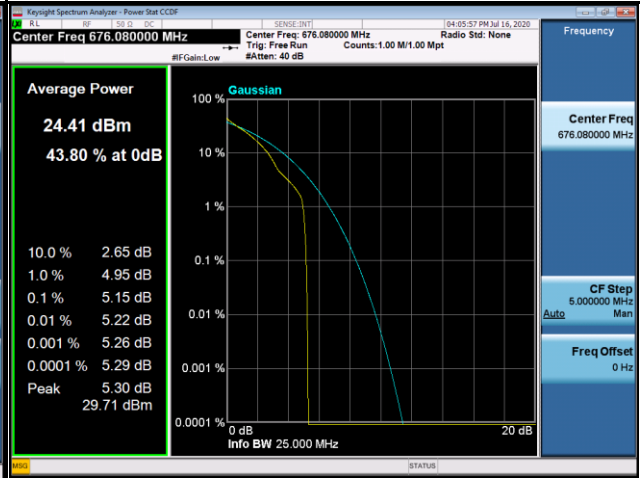


LTE Band 71 _10M

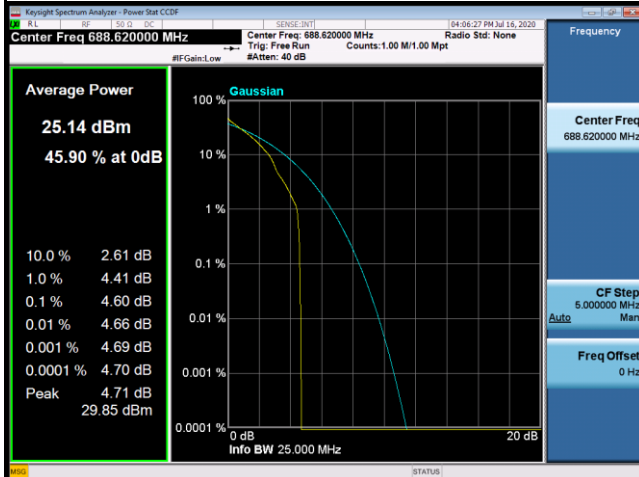
QPSK-133172



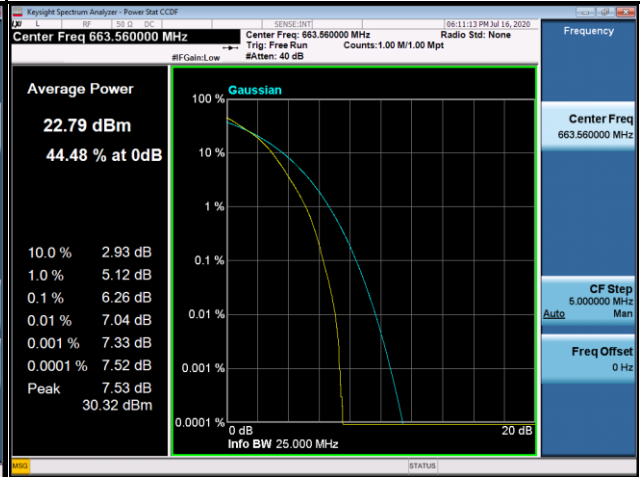
QPSK-133297



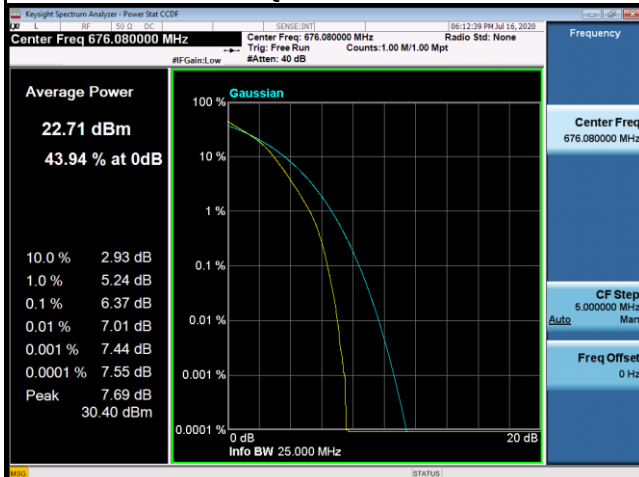
QPSK-133422



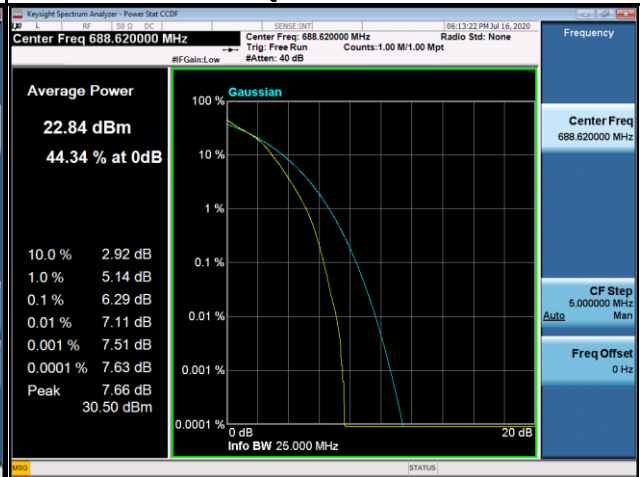
16QAM-133172



16QAM-133297

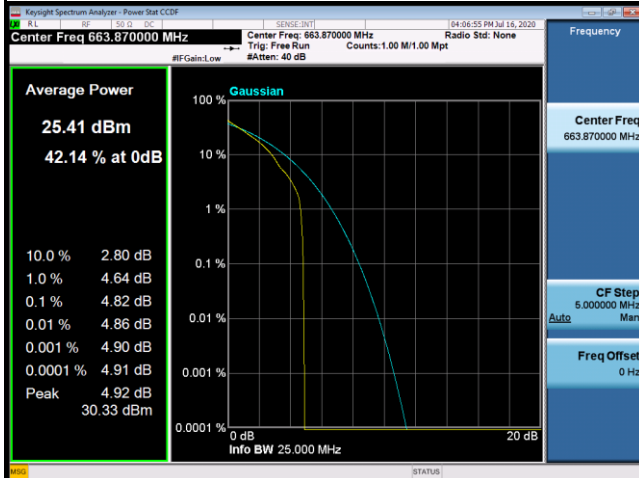


16QAM-133422

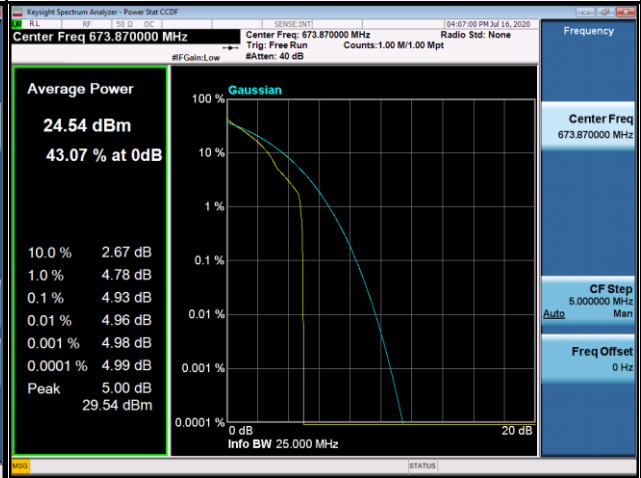


LTE Band 71 _15M

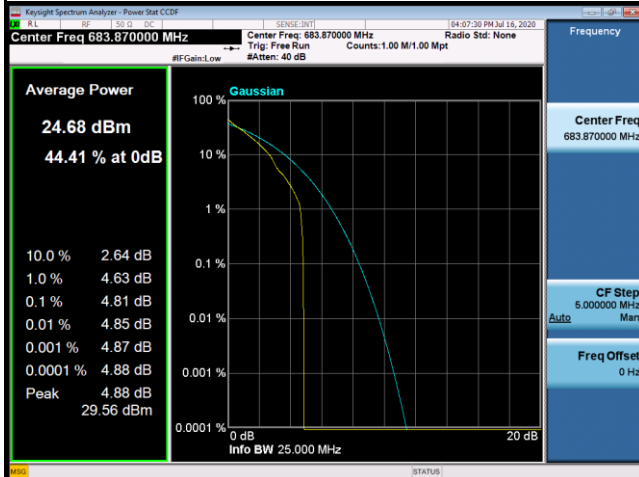
QPSK-133197



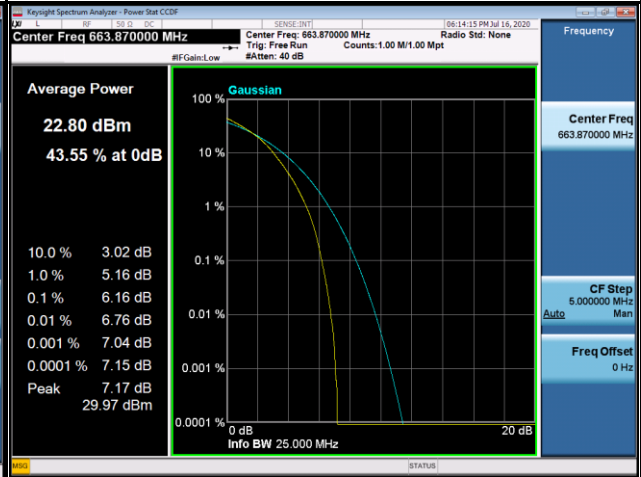
QPSK-133297



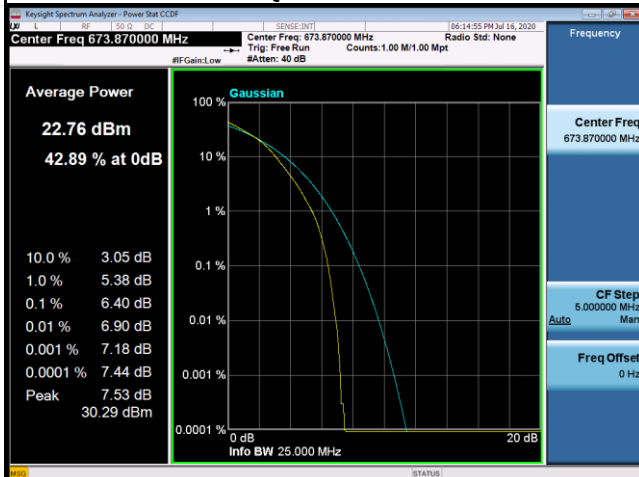
QPSK-133397



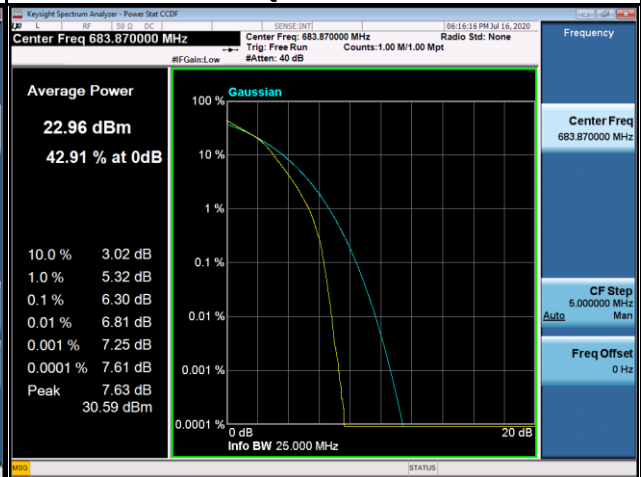
16QAM-133197



16QAM-133297



16QAM-133397



LTE Band 71 _20M



APPENDIX I - FREQUENCY STABILITY

Test Mode	WCDMA Band IV _CH1413
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-2.18	0.001255756	±2.5
-10	-4.69	0.002705939	
0	-5.47	0.003156088	
10	-5.38	0.003102298	
20	-2.96	0.001708381	
30	2.17	0.001253385	
40	2.14	0.001235188	
50	0.30	0.000172424	
Max. Deviation (ppm)	5.38	0.003156088	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	2.89	0.001668013	±2.5
3.80	0.79	0.000455962	
4.20	1.83	0.001056216	
Max. Deviation (ppm)	2.89	0.001668013	

Test Mode: LTE Band 4_CH20175_1.4M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	5.46	0.003151515	± 2.5
-10	3.80	0.002193362	
0	5.46	0.003151515	
10	5.66	0.003266955	
20	-0.46	-0.000265512	
30	2.46	0.001419913	
40	5.27	0.003041847	
50	3.22	0.001858586	
Max. Deviation (ppm)	5.66	0.003266955	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-0.64	-0.000369408	± 2.5
3.80	-3.64	-0.00210101	
4.20	-3.88	-0.002239538	
Max. Deviation (ppm)	-3.88	-0.002239538	

Test Mode: LTE Band 4_CH20175_3M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-3.92	-0.002262626	± 2.5
-10	3.01	0.001737374	
0	0.46	0.000265512	
10	-0.08	-4.6176E-05	
20	2.17	0.001252525	
30	-2.32	-0.001339105	
40	-3.28	-0.001893218	
50	-0.82	-0.000473304	
Max. Deviation (ppm)	-3.92	-0.002262626	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-5.72	-0.003301587	± 2.5
3.80	1.39	0.000802309	
4.20	2.44	0.001408369	
Max. Deviation (ppm)	-5.72	-0.003301587	

Test Mode:	LTE Band 4_CH20175_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	2.78	0.001604618	± 2.5
-10	4.46	0.002574315	
0	-3.03	-0.001748918	
10	-0.94	-0.000542569	
20	-2.13	-0.001229437	
30	-4.98	-0.002874459	
40	-3.77	-0.002176046	
50	-3.39	-0.00195671	
Max. Deviation (ppm)	-4.98	-0.002874459	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	1.26	0.000727273	± 2.5
3.80	4.96	0.002862915	
4.20	1.03	0.000594517	
Max. Deviation (ppm)	4.96	0.002862915	

Test Mode:	LTE Band 4_CH20175_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-4.24	-0.00244733	± 2.5
-10	-0.02	-1.1544E-05	
0	-5.04	-0.002909091	
10	-0.08	-4.6176E-05	
20	4.58	0.002643579	
30	-5.45	-0.003145743	
40	-5.09	-0.002937951	
50	5.87	0.003388167	
Max. Deviation (ppm)	5.87	0.003388167	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-1.98	-0.001142857	± 2.5
3.80	5.16	0.002978355	
4.20	2.02	0.001165945	
Max. Deviation (ppm)	5.16	0.002978355	

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	5.34	0.003082251	± 2.5
-10	5.81	0.003353535	
0	-1.65	-0.000952381	
10	6.00	0.003463203	
20	-0.17	-9.81241E-05	
30	-4.19	-0.00241847	
40	-2.46	-0.001419913	
50	-5.71	-0.003295815	
Max. Deviation (ppm)	6.00	0.003463203	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	5.41	0.003122655	± 2.5
3.80	-1.89	-0.001090909	
4.20	-3.69	-0.00212987	
Max. Deviation (ppm)	5.41	0.003122655	

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	-4.52	-0.002608947	± 2.5
-10	-1.06	-0.000611833	
0	0.21	0.000121212	
10	0.39	0.000225108	
20	-0.26	-0.000150072	
30	3.63	0.002095238	
40	3.30	0.001904762	
45	-1.03	-0.000594517	
Max. Deviation (ppm)	-4.52	-0.002608947	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	1.87	0.001079365	± 2.5
3.80	5.28	0.003047619	
4.20	0.23	0.000132756	
Max. Deviation (ppm)	5.28	0.003047619	

Test Mode: LTE Band 7_CH21100_5M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-1.64	-0.000646943	± 2.5
-10	-4.45	-0.001755424	
0	-2.52	-0.000994083	
10	-5.65	-0.002228797	
20	0.84	0.000331361	
30	-5.91	-0.002331361	
40	0.86	0.00033925	
50	-5.63	-0.002220907	
Max. Deviation (ppm)	-5.91	-0.002331361	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-4.72	-0.001861933	± 2.5
3.80	3.48	0.001372781	
4.20	-2.80	-0.001104536	
Max. Deviation (ppm)	-4.72	-0.001861933	

Test Mode: LTE Band 7_CH21100_10M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-1.45	-0.000571992	± 2.5
-10	4.20	0.001656805	
0	-2.09	-0.000824458	
10	0.20	7.88955E-05	
20	-3.23	-0.001274162	
30	-4.48	-0.001767258	
40	-4.70	-0.001854043	
50	0.41	0.000161736	
Max. Deviation (ppm)	-4.70	-0.001854043	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	0.68	0.000268245	± 2.5
3.80	4.09	0.001613412	
4.20	2.05	0.000808679	
Max. Deviation (ppm)	4.09	0.001613412	

Test Mode:	LTE Band 7_CH21100_15M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-3.10	-0.00122288	± 2.5
-10	-2.92	-0.001151874	
0	-1.98	-0.000781065	
10	4.63	0.00182643	
20	3.67	0.001447732	
30	-0.13	-5.12821E-05	
40	2.23	0.000879684	
50	1.20	0.000473373	
Max. Deviation (ppm)	4.63	0.00182643	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-5.55	-0.002189349	± 2.5
3.80	-4.36	-0.001719921	
4.20	3.92	0.001546351	
Max. Deviation (ppm)	-5.55	-0.002189349	

Test Mode:	LTE Band 7_CH21100_20M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	2.49	0.000982249	± 2.5
-10	-5.75	-0.002268245	
0	-4.50	-0.001775148	
10	2.17	0.000856016	
20	3.47	0.001368836	
30	1.16	0.000457594	
40	1.00	0.000394477	
50	2.19	0.000863905	
Max. Deviation (ppm)	-5.75	-0.002268245	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-4.05	-0.001597633	± 2.5
3.80	-5.22	-0.002059172	
4.20	4.60	0.001814596	
Max. Deviation (ppm)	-5.22	-0.002059172	

Test Mode: LTE Band 12_CH23095_1.4M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-2.97	0.00419788	± 2.5
-10	4.61	0.006515901	
0	-4.00	0.00565371	
10	-0.82	0.001159011	
20	2.05	0.002897527	
30	4.39	0.006204947	
40	-0.25	0.000353357	
50	0.64	0.000904594	
Max. Deviation (ppm)	4.61	0.006515901	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	5.74	0.008113074	± 2.5
3.80	4.69	0.006628975	
4.20	3.08	0.004353357	
Max. Deviation (ppm)	-3.27	0.008113074	

Test Mode: LTE Band 12_CH23095_3M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-4.10	0.005795053	± 2.5
-10	4.58	0.006473498	
0	-1.53	0.002162544	
10	0.46	0.000650177	
20	3.60	0.005088339	
30	5.98	0.008452297	
40	2.64	0.003731449	
50	-3.47	0.004904594	
Max. Deviation (ppm)	5.98	0.008452297	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-3.63	0.005130742	± 2.5
3.80	4.83	0.006826855	
4.20	-5.10	0.007208481	
Max. Deviation (ppm)	-5.10	0.007208481	

Test Mode: LTE Band 12_CH23095_5M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-3.02	-0.004268551	± 2.5
-10	1.90	0.002685512	
0	-2.38	-0.003363958	
10	-5.43	-0.007674912	
20	-2.76	-0.00390106	
30	2.60	0.003674912	
40	-4.25	-0.006007067	
50	-2.56	-0.003618375	
Max. Deviation (ppm)	-5.43	-0.007674912	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-5.65	-0.007985866	± 2.5
3.80	-5.52	-0.00780212	
4.20	3.73	0.005272085	
Max. Deviation (ppm)	-5.65	-0.007985866	

Test Mode: LTE Band 12_CH23095_10M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-0.13	-0.000183746	± 2.5
-10	-5.09	-0.007194346	
0	-3.68	-0.005201413	
10	-3.18	-0.0044947	
20	-2.59	-0.003660777	
30	-5.96	-0.008424028	
40	0.62	0.000876325	
50	0.01	1.41343E-05	
Max. Deviation (ppm)	-5.96	-0.008424028	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	5.72	0.008084806	± 2.5
3.80	-3.77	-0.005328622	
4.20	-5.51	-0.007787986	
Max. Deviation (ppm)	5.72	0.008084806	

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	-5.96	-0.007621483	± 2.5
-10	3.88	0.004961637	
0	0.56	0.000716113	
10	4.53	0.005792839	
20	-1.01	-0.00129156	
30	1.18	0.001508951	
40	-0.02	-2.55754E-05	
50	4.67	0.005971867	
Max. Deviation (ppm)	-5.96	-0.007621483	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-4.29	-0.005485934	± 2.5
3.80	-0.36	-0.000460358	
4.20	-1.19	-0.001521739	
Max. Deviation (ppm)	-4.29	-0.005485934	

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	-4.03	-0.005153453	± 2.5
-10	0.39	0.000498721	
0	-5.96	-0.007621483	
10	0.23	0.000294118	
20	-0.49	-0.000626598	
30	-2.07	-0.002647059	
40	-2.81	-0.00359335	
50	-4.03	-0.005153453	
Max. Deviation (ppm)	-5.96	-0.007621483	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	4.26	0.00544757	± 2.5
3.80	-4.43	-0.005664962	
4.20	-5.05	-0.006457801	
Max. Deviation (ppm)	-5.05	-0.006457801	

Test Mode: LTE Band 17_CH23790_5M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	6.51	0.009169014	± 2.5
-10	-3.54	-0.004985915	
0	5.18	0.007295775	
10	-4.26	-0.006000000	
20	4.58	0.006450704	
30	6.39	0.009000000	
40	-2.25	-0.003169014	
50	0.89	0.001253521	
Max. Deviation (ppm)	6.51	0.009169014	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-3.06	-0.004309859	± 2.5
3.80	-0.16	-0.000225352	
4.20	2.64	0.003718310	
Max. Deviation (ppm)	-3.06	-0.004309859	

Test Mode: LTE Band 17_CH23790_10M

Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	4.69	0.006605634	± 2.5
-10	5.31	0.007478873	
0	3.98	0.005605634	
10	-1.55	-0.002183099	
20	2.26	0.003183099	
30	3.44	0.004845070	
40	-4.59	-0.006464789	
50	3.46	0.0048732390	
Max. Deviation (ppm)	5.31	0.0074788730	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-2.99	-0.004211268	± 2.5
3.80	5.41	0.007619718	
4.20	-5.26	-0.007408451	
Max. Deviation (ppm)	5.41	0.007619718	

Test Mode:	LTE Band 41_CH40620_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-2.62	-0.001010413	± 2.5
-10	0.17	6.55611E-05	
0	-3.14	-0.001210953	
10	2.65	0.001021982	
20	0.11	4.24219E-05	
30	-2.17	-0.000836868	
40	4.67	0.001801003	
50	1.70	0.000655611	
Max. Deviation (ppm)	4.67	0.001801003	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-2.25	-0.000867721	± 2.5
3.80	5.02	0.001935981	
4.20	2.96	0.001141535	
Max. Deviation (ppm)	5.02	0.001935981	

Test Mode:	LTE Band 41_CH40620_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	4.47	0.001723872	± 2.5
-10	-3.52	-0.001357501	
0	4.28	0.001650598	
10	0.04	1.54261E-05	
20	1.63	0.000628616	
30	-2.73	-0.001052835	
40	-1.22	-0.000470497	
50	-4.69	-0.001808716	
Max. Deviation (ppm)	-4.69	-0.001808716	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-4.83	-0.001862707	± 2.5
3.80	4.13	0.00159275	
4.20	4.48	0.001727728	
Max. Deviation (ppm)	-4.83	-0.001862707	

Test Mode:	LTE Band 41_CH40620_15M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	3.53	0.001361	± 2.5
-10	1.18	0.000455	
0	2.26	0.000872	
10	-1.44	-0.00056	
20	3.40	0.001311	
30	-2.17	-0.00084	
40	-0.18	-6.9E-05	
50	-5.62	-0.00217	
Max. Deviation (ppm)	-5.62	-0.00217	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	5.83	0.002248	± 2.5
3.80	-1.03	-0.0004	
4.20	4.60	0.001774	
Max. Deviation (ppm)	5.83	0.002248	

Test Mode:	LTE Band 41_CH40620_20M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-4.86	-0.00187	± 2.5
-10	-1.26	-0.00049	
0	3.54	0.001365	
10	-5.76	-0.00222	
20	-2.19	-0.00084	
30	-3.13	-0.00121	
40	-4.10	-0.00158	
50	4.12	0.001589	
Max. Deviation (ppm)	-5.76	-0.00222	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-3.55	-0.00137	± 2.5
3.80	5.08	0.001959	
4.20	-1.85	-0.00071	
Max. Deviation (ppm)	5.08	0.001959	

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	3.29	0.0047	± 2.5
-10	-4.62	-0.0066	
0	4.52	0.006457143	
10	-1.24	-0.001771429	
20	-2.33	-0.003328571	
30	0.92	0.001314286	
40	1.40	0.002	
50	-1.93	-0.002757143	
Max. Deviation (ppm)	-4.62	-0.0066	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-4.61	-0.006585714	± 2.5
3.80	4.26	0.006085714	
4.20	-4.79	-0.006842857	
Max. Deviation (ppm)	-4.79	-0.006842857	

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	3.47	0.004957143	± 2.5
-10	5.87	0.008385714	
0	-3.68	-0.00525714	
10	0.82	0.001171429	
20	0.02	2.85714E-05	
30	1.16	0.001657143	
40	0.60	0.000857143	
50	-5.99	-0.00855714	
Max. Deviation (ppm)	-5.99	-0.00855714	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	5.85	0.008357143	± 2.5
3.80	4.33	0.006185714	
4.20	2.40	0.003428571	
Max. Deviation (ppm)	5.85	0.008357143	

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	5.79	0.008271429	± 2.5
-10	5.10	0.007285714	
0	2.02	0.002885714	
10	0.99	0.001414286	
20	-4.94	-0.007057143	
30	4.81	0.006871429	
40	3.31	0.004728571	
50	-3.63	-0.005185714	
Max. Deviation (ppm)	5.79	0.008271429	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-3.67	-0.005242857	± 2.5
3.80	-2.27	-0.003242857	
4.20	-0.84	-0.0012	
Max. Deviation (ppm)	-3.67	-0.005242857	

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	-5.36	-0.007657143	± 2.5
-10	-4.78	-0.006828571	
0	1.73	0.002471429	
10	-0.03	-4.28571E-05	
20	0.15	0.000214286	
30	-3.22	-0.0046	
40	1.53	0.002185714	
50	-3.62	-0.005171429	
Max. Deviation (ppm)	-5.36	-0.007657143	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	4.35	0.006214286	± 2.5
3.80	4.29	0.006128571	
4.20	2.17	0.0031	
Max. Deviation (ppm)	4.35	0.006214286	

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	5.82	0.008314	± 2.5
-10	-4.80	-0.00686	
0	-2.38	-0.0034	
10	5.75	0.008214	
20	-3.51	-0.00501	
30	1.21	0.001729	
40	4.96	0.007086	
50	5.08	0.007257	
Max. Deviation (ppm)	5.82	0.008314	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-4.82	-0.00689	± 2.5
3.80	3.36	0.0048	
4.20	3.32	0.004743	
Max. Deviation (ppm)	-4.82	-0.00689	

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	3.23	0.004614	± 2.5
-10	2.15	0.003071	
0	1.65	0.002357	
10	-5.99	-0.00856	
20	5.05	0.007214	
30	4.67	0.006671	
40	5.07	0.007243	
50	5.61	0.008014	
Max. Deviation (ppm)	-5.99	-0.00856	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-1.85	-0.00264	± 2.5
3.80	-1.99	-0.00284	
4.20	3.66	0.005229	
Max. Deviation (ppm)	3.66	0.005229	

Test Mode:	LTE Band 71_CH133297_5M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	0.52	0.000764144	± 2.5
-10	2.16	0.003174137	
0	1.65	0.002424688	
10	6.36	0.009346069	
20	-5.40	-0.007935342	
30	0.21	0.000308597	
40	-5.41	-0.007950037	
50	1.93	0.00283615	
Max. Deviation (ppm)	6.36	0.009346069	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-1.20	-0.001763409	± 2.5
3.80	4.47	0.006568699	
4.20	3.62	0.005319618	
Max. Deviation (ppm)	4.47	0.006568699	

Test Mode:	LTE Band 71_CH133297_10M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	0.13	0.000191036	± 2.5
-10	0.66	0.000969875	
0	-3.25	-0.0047759	
10	-5.45	-0.008008817	
20	-6.51	-0.009566495	
30	-2.48	-0.003644379	
40	5.57	0.008185158	
50	4.04	0.005936811	
Max. Deviation (ppm)	-6.51	-0.009566495	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-3.18	-0.004673035	± 2.5
3.80	5.32	0.007817781	
4.20	1.47	0.002160176	
Max. Deviation (ppm)	5.32	0.007817781	

Test Mode:	LTE Band 71_CH133297_15M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-5.50	-0.00808	± 2.5
-10	4.76	0.006995	
0	-4.64	-0.00682	
10	6.98	0.010257	
20	0.65	0.000955	
30	3.17	0.004658	
40	-0.45	-0.00066	
50	-3.69	-0.00542	
Max. Deviation (ppm)	6.98	0.010257	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-4.94	-0.00726	± 2.5
3.80	-4.97	-0.0073	
4.20	1.50	0.002204	
Max. Deviation (ppm)	-4.97	-0.0073	

Test Mode:	LTE Band 71_133322_20M
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Temperature vs. Frequency Stability

Temperature(°C)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
-20	-6.05	-0.00889	± 2.5
-10	-6.42	-0.00943	
0	0.86	0.001264	
10	-4.20	-0.00617	
20	3.14	0.004614	
30	3.12	0.004585	
40	4.28	0.006289	
50	5.60	0.008229	
Max. Deviation (ppm)	-6.42	-0.00943	

Voltage vs. Frequency Stability

Voltage(Volts)	Frequency Error (Hz)	Frequency Error (ppm)	Limit(ppm)
3.55	-5.09	-0.00748	± 2.5
3.80	-2.69	-0.00395	
4.20	6.81	0.010007	
Max. Deviation (ppm)	6.81	0.010007	

End of Test Report