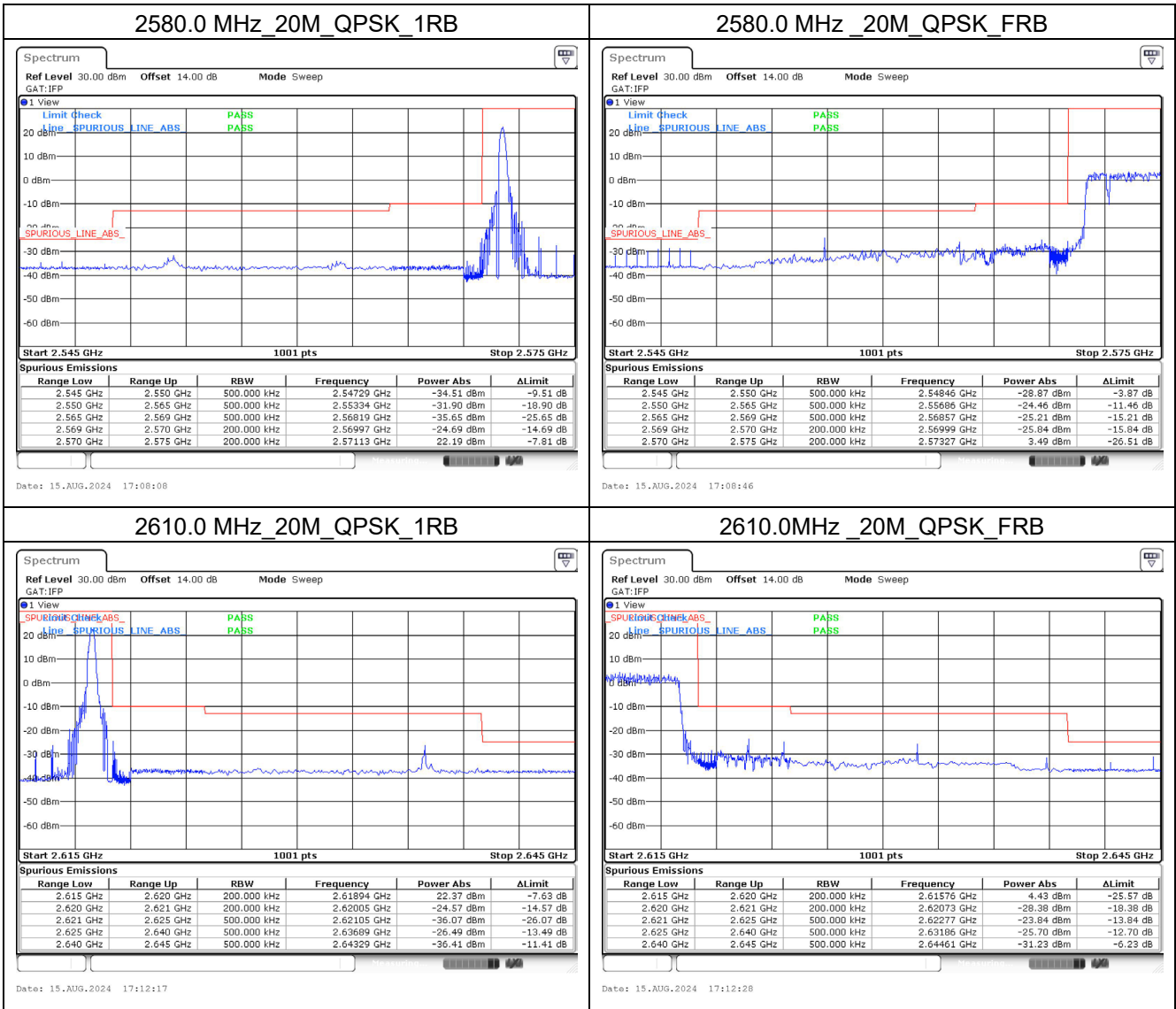
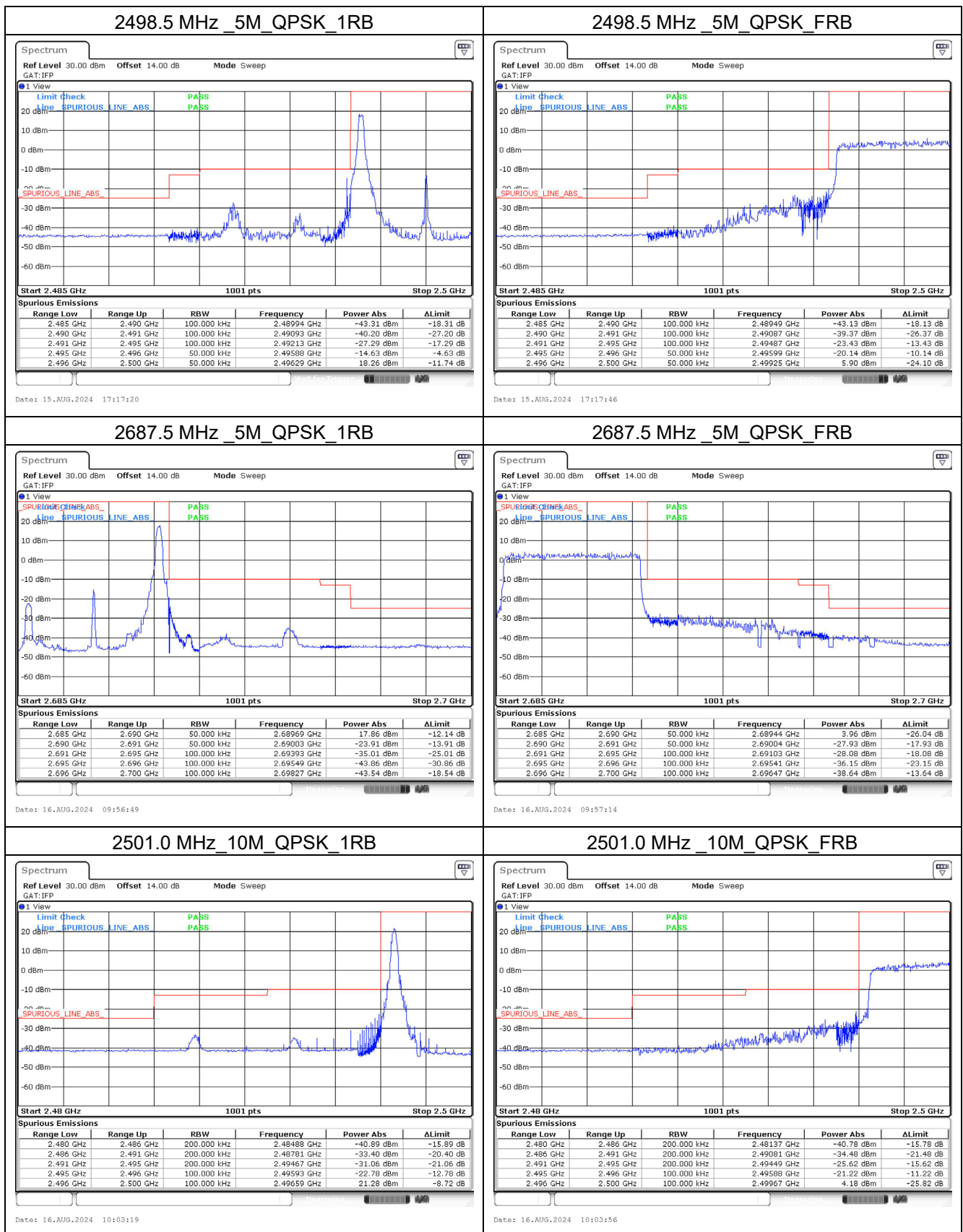
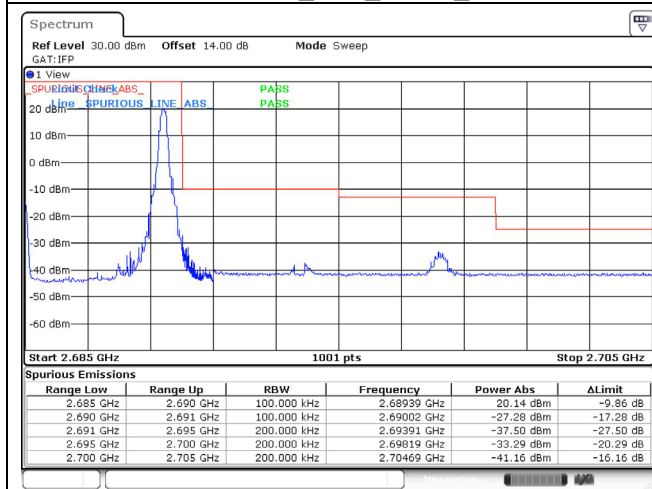




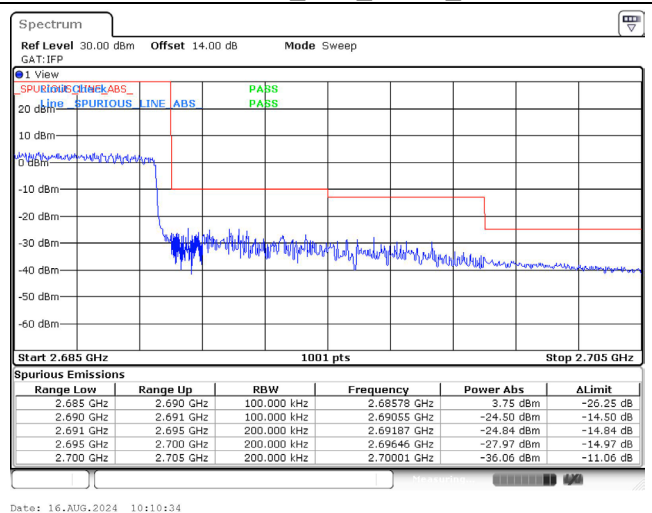
Mode 10: LTE Band 41



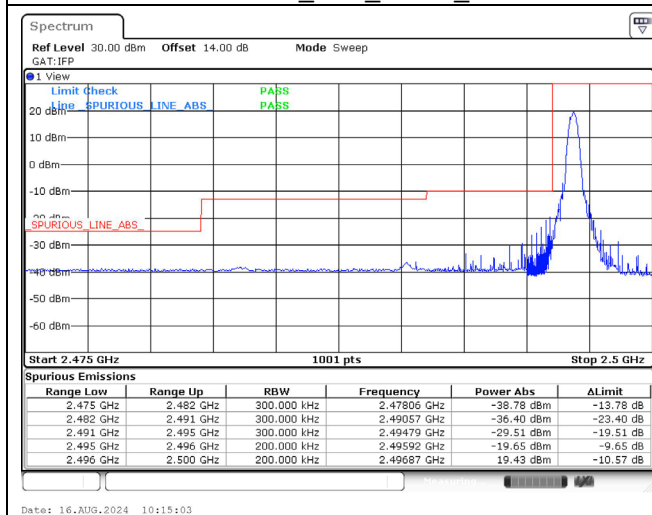
2685.0 MHz_10M_QPSK_1RB



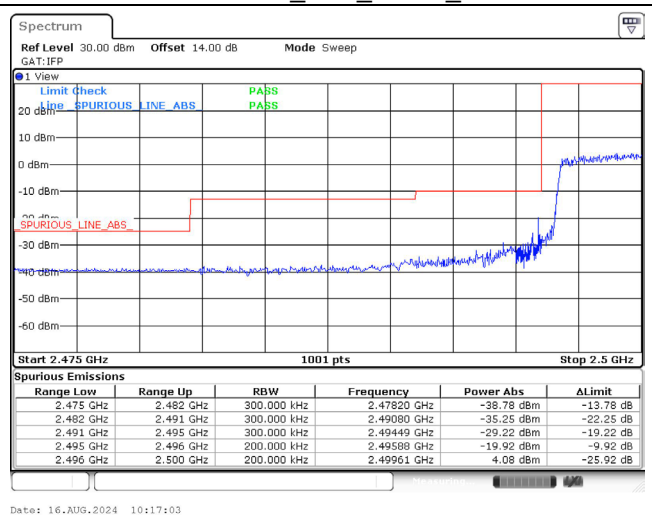
2685.0 MHz_10M_QPSK_FRB



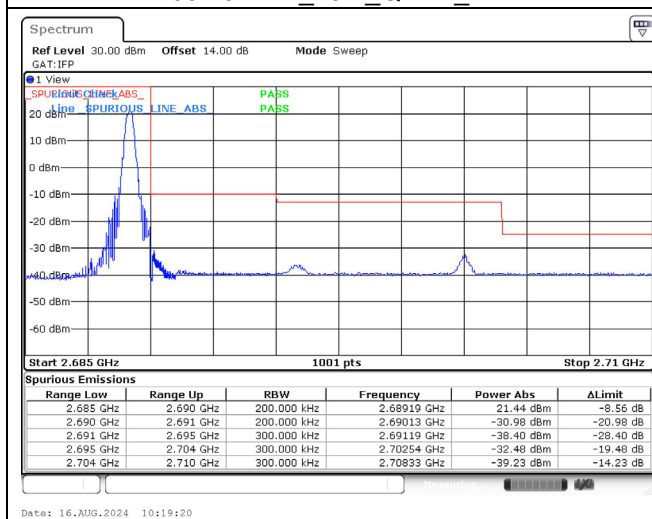
2503.5 MHz_15M_QPSK_1RB



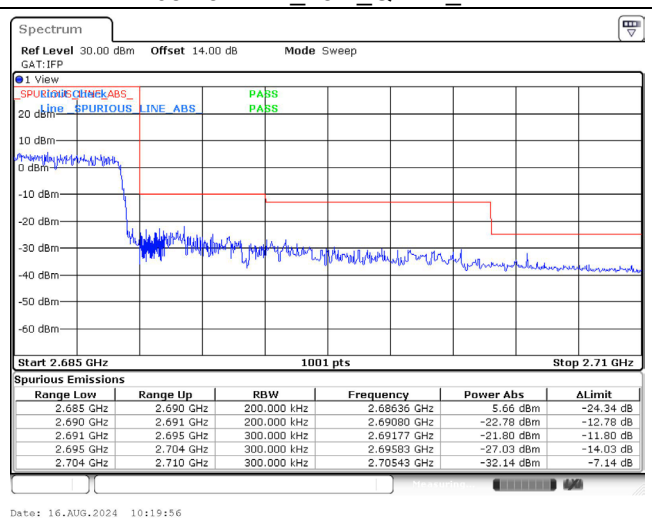
2503.5 MHz_15M_QPSK_FRB

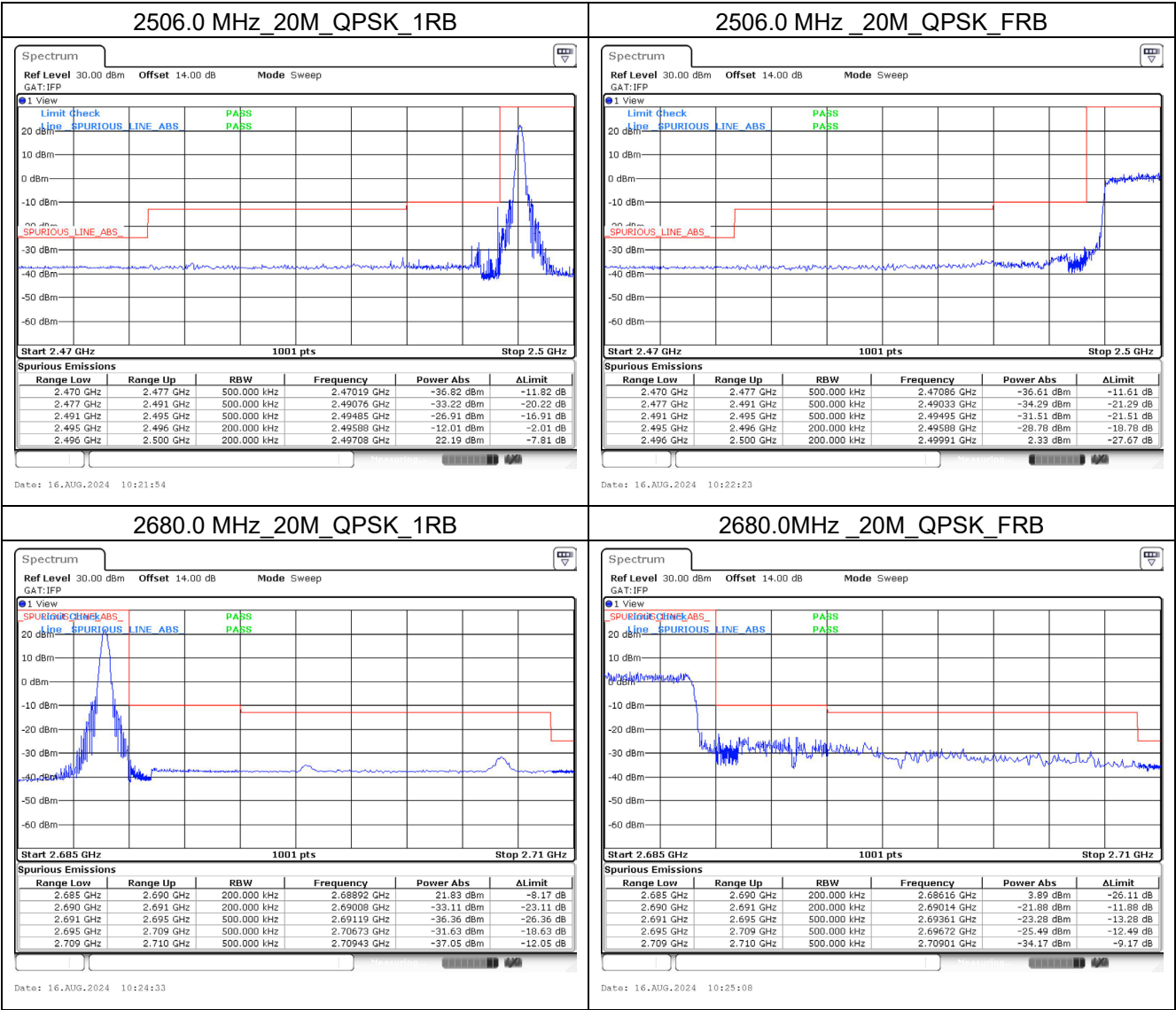


2682.5 MHz_15M_QPSK_1RB



2682.5 MHz_15M_QPSK_FRB





Appendix F. Test Result of Frequency Stability**Mode 1: LTE Band 2****LTE Band 2 / 1.4 MHz / 1850.7 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	1.77	0.0010
12.00	1.60	0.0009
6.00	0.78	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.59	0.0009
-20	0.64	0.0003
-10	1.07	0.0006
0	0.37	0.0002
10	1.08	0.0006
20	1.81	0.0010
30	1.12	0.0006
40	1.45	0.0008
50	1.17	0.0006
60	1.07	0.0006
70	1.68	0.0009

LTE Band 2 / 1.4 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	2.23	0.0012
12.00	2.10	0.0011
6.00	1.34	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.61	0.0014
-20	1.47	0.0008
-10	1.65	0.0009
0	1.93	0.0010
10	1.65	0.0009
20	1.43	0.0008
30	1.93	0.0010
40	1.13	0.0006
50	2.49	0.0013
60	1.26	0.0007
70	2.19	0.0012

LTE Band 2 / 1.4 MHz / 1909.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-5.92	-0.0031
12.00	-5.60	-0.0029
6.00	-5.85	-0.0031

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-5.62	-0.0029
-20	-6.33	-0.0033
-10	-6.71	-0.0035
0	-6.08	-0.0032
10	-6.67	-0.0035
20	-5.98	-0.0031
30	-5.79	-0.0030
40	-6.04	-0.0032
50	-6.91	-0.0036
60	-6.79	-0.0036
70	-6.25	-0.0033

LTE Band 2 / 3 MHz / 1851.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	0.31	0.0002
12.00	0.90	0.0005
6.00	0.60	0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.15	0.0001
-20	1.07	0.0006
-10	0.73	0.0004
0	0.82	0.0004
10	-0.28	-0.0002
20	1.13	0.0006
30	0.38	0.0002
40	-0.05	0.0000
50	-0.15	-0.0001
60	4.44	0.0024
70	3.85	0.0021

LTE Band 2 / 3 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	1.96	0.0010
12.00	2.80	0.0015
6.00	2.99	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.34	0.0012
-20	1.57	0.0008
-10	2.53	0.0013
0	0.98	0.0005
10	2.04	0.0011
20	2.40	0.0013
30	1.83	0.0010
40	2.51	0.0013
50	3.38	0.0018
60	-0.70	-0.0004
70	-0.46	-0.0002

LTE Band 2 / 3 MHz / 1908.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.17	-0.0011
12.00	-1.10	-0.0006
6.00	-1.32	-0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.16	-0.0011
-20	-1.11	-0.0006
-10	-2.29	-0.0012
0	-1.16	-0.0006
10	-0.78	-0.0004
20	-1.53	-0.0008
30	-1.10	-0.0006
40	-2.46	-0.0013
50	-1.91	-0.0010
60	3.14	0.0016
70	2.65	0.0014

LTE Band 2 / 5 MHz / 1852.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-5.87	-0.0032
12.00	-5.30	-0.0029
6.00	-5.55	-0.0030

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-5.41	-0.0029
-20	-6.61	-0.0036
-10	-5.63	-0.0030
0	-6.56	-0.0035
10	-5.62	-0.0030
20	-6.13	-0.0033
30	-6.67	-0.0036
40	-6.43	-0.0035
50	-5.98	-0.0032
60	-5.14	-0.0028
70	-5.60	-0.0030

LTE Band 2 / 5 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.41	-0.0008
12.00	-0.10	-0.0001
6.00	0.27	0.0001

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.67	-0.0009
-20	-1.17	-0.0006
-10	-1.13	-0.0006
0	-0.96	-0.0005
10	-0.39	-0.0002
20	-1.07	-0.0006
30	-0.58	-0.0003
40	-1.12	-0.0006
50	-1.62	-0.0009
60	0.09	0.0000
70	-1.37	-0.0007

LTE Band 2 / 5 MHz / 1907.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-4.72	-0.0025
12.00	-5.10	-0.0027
6.00	-6.59	-0.0035

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-5.34	-0.0028
-20	-5.64	-0.0030
-10	-5.84	-0.0031
0	-5.68	-0.0030
10	-5.88	-0.0031
20	-5.31	-0.0028
30	-5.29	-0.0028
40	-5.53	-0.0029
50	-5.93	-0.0031
60	-5.78	-0.0030
70	-6.29	-0.0033

LTE Band 2 / 10 MHz / 1855 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-6.07	-0.0033
12.00	-5.10	-0.0027
6.00	-5.34	-0.0029

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-6.62	-0.0036
-20	-6.24	-0.0034
-10	-5.36	-0.0029
0	-5.44	-0.0029
10	-5.87	-0.0032
20	-4.84	-0.0026
30	-5.78	-0.0031
40	-4.98	-0.0027
50	-5.54	-0.0030
60	2.23	0.0012
70	3.28	0.0018

LTE Band 2 / 10 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.87	-0.0015
12.00	-1.90	-0.0010
6.00	-2.87	-0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.86	-0.0010
-20	-2.66	-0.0014
-10	-2.37	-0.0013
0	-1.84	-0.0010
10	-2.69	-0.0014
20	-1.72	-0.0009
30	-1.98	-0.0011
40	-3.45	-0.0018
50	-2.98	-0.0016
60	-0.05	0.0000
70	-1.02	-0.0005

LTE Band 2 / 10 MHz / 1905 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.03	-0.0011
12.00	-2.10	-0.0011
6.00	-2.74	-0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-3.08	-0.0016
-20	-3.05	-0.0016
-10	-2.48	-0.0013
0	-2.46	-0.0013
10	-2.42	-0.0013
20	-2.20	-0.0012
30	-2.63	-0.0014
40	-2.46	-0.0013
50	-3.01	-0.0016
60	3.11	0.0016
70	2.11	0.0011

LTE Band 2 / 15 MHz / 1857.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-3.30	-0.0018
12.00	-2.40	-0.0013
6.00	-3.12	-0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-3.01	-0.0016
-20	-3.31	-0.0018
-10	-2.86	-0.0015
0	-3.56	-0.0019
10	-4.07	-0.0022
20	-2.63	-0.0014
30	-2.22	-0.0012
40	-2.76	-0.0015
50	-2.24	-0.0012
60	3.10	0.0017
70	3.40	0.0018

LTE Band 2 / 15 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.47	-0.0008
12.00	-0.30	-0.0002
6.00	-1.97	-0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.84	-0.0004
-20	0.10	0.0001
-10	-1.18	-0.0006
0	-1.32	-0.0007
10	-1.38	-0.0007
20	-1.01	-0.0005
30	0.29	0.0002
40	-0.97	-0.0005
50	-0.42	-0.0002
60	-1.75	-0.0009
70	-0.13	-0.0001

LTE Band 2 / 15 MHz / 1902.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-3.87	-0.0020
12.00	-3.70	-0.0019
6.00	-4.22	-0.0022

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-4.89	-0.0026
-20	-3.60	-0.0019
-10	-4.56	-0.0024
0	-4.58	-0.0024
10	-3.96	-0.0021
20	-4.47	-0.0023
30	-4.17	-0.0022
40	-3.80	-0.0020
50	-4.42	-0.0023
60	4.35	0.0023
70	3.35	0.0018

LTE Band 2 / 20 MHz / 1860 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-3.55	-0.0019
12.00	-3.20	-0.0017
6.00	-2.98	-0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-3.67	-0.0020
-20	-4.45	-0.0024
-10	-3.67	-0.0020
0	-2.86	-0.0015
10	-2.46	-0.0013
20	-2.78	-0.0015
30	-3.88	-0.0021
40	-3.71	-0.0020
50	-3.62	-0.0019
60	3.55	0.0019
70	2.42	0.0013

LTE Band 2 / 20 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-5.49	-0.0029
12.00	-5.10	-0.0027
6.00	-6.16	-0.0033

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-5.64	-0.0030
-20	-5.61	-0.0030
-10	-5.41	-0.0029
0	-5.71	-0.0030
10	-5.59	-0.0030
20	-5.25	-0.0028
30	-6.15	-0.0033
40	-4.45	-0.0024
50	-5.32	-0.0028
60	-0.26	-0.0001
70	-0.89	-0.0005

LTE Band 2 / 20 MHz / 1900 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.57	-0.0008
12.00	-0.30	-0.0002
6.00	-1.40	-0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.29	-0.0002
-20	-0.62	-0.0003
-10	-0.70	-0.0004
0	-0.69	-0.0004
10	-1.90	-0.0010
20	-1.39	-0.0007
30	-0.61	-0.0003
40	-0.78	-0.0004
50	-0.88	-0.0005
60	3.88	0.0020
70	3.48	0.0018

Mode 2: LTE Band 4 / Band 66**LTE Band 4 / 66 / 1.4 MHz / 1710.7 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	0.35	0.0002
12.00	0.40	0.0002
6.00	-0.96	-0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.89	0.0005
-20	0.78	0.0005
-10	-0.41	-0.0002
0	-1.07	-0.0006
10	0.28	0.0002
20	-0.82	-0.0005
30	-0.47	-0.0003
40	-0.64	-0.0004
50	-0.06	0.0000
60	0.28	0.0002
70	0.59	0.0003

LTE Band 4 / 66 / 1.4 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	0.55	0.0003
12.00	1.00	0.0006
6.00	0.40	0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.95	0.0005
-20	0.54	0.0003
-10	0.98	0.0006
0	-0.10	-0.0001
10	1.51	0.0009
20	0.84	0.0005
30	0.08	0.0000
40	0.88	0.0005
50	1.04	0.0006
60	0.65	0.0004
70	0.77	0.0004

LTE Band 4 / 66 / 1.4 MHz / 1779.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.42	-0.0014
12.00	-1.50	-0.0008
6.00	-1.55	-0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.57	-0.0014
-20	-1.72	-0.0010
-10	-1.51	-0.0008
0	-1.80	-0.0010
10	-1.73	-0.0010
20	-2.36	-0.0013
30	-2.57	-0.0014
40	-1.20	-0.0007
50	-3.21	-0.0018
60	-2.53	-0.0014
70	-1.50	-0.0008

LTE Band 4 / 66 / 3 MHz / 1711.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.87	-0.0011
12.00	-1.10	-0.0006
6.00	-1.86	-0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.68	-0.0010
-20	-1.52	-0.0009
-10	-1.91	-0.0011
0	-1.79	-0.0010
10	-1.40	-0.0008
20	-0.82	-0.0005
30	-1.67	-0.0010
40	-2.02	-0.0012
50	-2.35	-0.0014
60	1.20	0.0007
70	1.62	0.0009

LTE Band 4 / 66 / 3 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	2.82	0.0016
12.00	2.80	0.0016
6.00	2.68	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.99	0.0011
-20	2.08	0.0012
-10	2.40	0.0014
0	1.90	0.0011
10	2.23	0.0013
20	2.14	0.0012
30	2.72	0.0016
40	1.92	0.0011
50	2.37	0.0014
60	1.09	0.0006
70	0.80	0.0005

LTE Band 4 / 66 / 3 MHz / 1778.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	1.11	0.0006
12.00	0.90	0.0005
6.00	0.50	0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.01	0.0000
-20	1.03	0.0006
-10	0.17	0.0001
0	0.25	0.0001
10	0.82	0.0005
20	0.12	0.0001
30	0.84	0.0005
40	0.84	0.0005
50	0.59	0.0003
60	1.21	0.0007
70	1.01	0.0006

LTE Band 4 / 66 / 5 MHz / 1712.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	1.39	0.0008
12.00	1.50	0.0009
6.00	0.99	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.04	0.0006
-20	0.63	0.0004
-10	1.03	0.0006
0	1.31	0.0008
10	0.58	0.0003
20	-0.28	-0.0002
30	0.54	0.0003
40	0.20	0.0001
50	1.59	0.0009
60	1.48	0.0009
70	0.22	0.0001

LTE Band 4 / 66 / 5 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.76	-0.0010
12.00	-0.80	-0.0005
6.00	-1.01	-0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.69	-0.0010
-20	-1.66	-0.0010
-10	-0.44	-0.0003
0	-1.48	-0.0008
10	-1.35	-0.0008
20	-1.53	-0.0009
30	-2.37	-0.0014
40	-2.12	-0.0012
50	-0.26	-0.0001
60	-1.42	-0.0008
70	-1.41	-0.0008

LTE Band 4 / 66 / 5 MHz / 1777.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	0.54	0.0003
12.00	0.40	0.0002
6.00	-0.44	-0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.36	-0.0002
-20	0.17	0.0001
-10	0.72	0.0004
0	-0.28	-0.0002
10	-0.40	-0.0002
20	0.52	0.0003
30	0.90	0.0005
40	-0.03	0.0000
50	0.18	0.0001
60	0.53	0.0003
70	-0.47	-0.0003

LTE Band 4 / 66 / 10 MHz / 1715 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	2.49	0.0015
12.00	3.10	0.0018
6.00	2.69	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.56	0.0021
-20	2.92	0.0017
-10	3.23	0.0019
0	2.31	0.0013
10	2.58	0.0015
20	3.34	0.0019
30	1.98	0.0012
40	2.19	0.0013
50	2.34	0.0014
60	2.51	0.0015
70	3.56	0.0021

LTE Band 4 / 66 / 10 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	0.57	0.0003
12.00	0.70	0.0004
6.00	0.22	0.0001

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.27	0.0002
-20	-0.44	-0.0003
-10	0.62	0.0004
0	-0.18	-0.0001
10	0.51	0.0003
20	0.35	0.0002
30	0.90	0.0005
40	0.26	0.0001
50	0.63	0.0004
60	-0.45	-0.0003
70	-0.11	-0.0001

LTE Band 4 / 66 / 10 MHz / 1775 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.11	-0.0006
12.00	-0.50	-0.0003
6.00	-1.35	-0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.58	-0.0003
-20	-0.10	-0.0001
-10	-1.29	-0.0007
0	-1.22	-0.0007
10	-1.39	-0.0008
20	-0.15	-0.0001
30	-0.93	-0.0005
40	-1.18	-0.0007
50	-0.64	-0.0004
60	-1.15	-0.0006
70	-1.75	-0.0010

LTE Band 4 / 66 / 15 MHz / 1717.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-0.42	-0.0002
12.00	-0.50	-0.0003
6.00	-1.75	-0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.86	-0.0005
-20	-1.11	-0.0006
-10	-0.49	-0.0003
0	-0.76	-0.0004
10	-1.04	-0.0006
20	-0.92	-0.0005
30	-0.42	-0.0002
40	-1.37	-0.0008
50	-0.44	-0.0003
60	1.53	0.0009
70	1.69	0.0010

LTE Band 4 / 66 / 15 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	1.08	0.0006
12.00	2.70	0.0015
6.00	1.73	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.36	0.0014
-20	1.81	0.0010
-10	1.33	0.0008
0	2.27	0.0013
10	1.80	0.0010
20	2.38	0.0014
30	1.90	0.0011
40	1.38	0.0008
50	3.16	0.0018
60	0.56	0.0003
70	1.08	0.0006

LTE Band 4 / 66 / 15 MHz / 1772.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-3.70	-0.0021
12.00	-2.30	-0.0013
6.00	-3.06	-0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.46	-0.0014
-20	-2.55	-0.0014
-10	-3.38	-0.0019
0	-2.32	-0.0013
10	-3.13	-0.0018
20	-3.29	-0.0019
30	-3.06	-0.0017
40	-2.96	-0.0017
50	-1.74	-0.0010
60	0.43	0.0002
70	0.44	0.0002

LTE Band 4 / 66 / 20 MHz / 1720 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-3.59	-0.002087209
12.00	-2.60	-0.0015
6.00	-3.80	-0.0022

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-3.56	-0.0021
-20	-2.08	-0.0012
-10	-3.55	-0.0021
0	-2.44	-0.0014
10	-3.91	-0.0023
20	-3.19	-0.0019
30	-3.13	-0.0018
40	-3.34	-0.0019
50	-3.39	-0.0020
60	2.66	0.0015
70	1.30	0.0008

LTE Band 66 / 20 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	0.92	0.0005
12.00	2.40	0.0014
6.00	2.11	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.98	0.0011
-20	2.44	0.0014
-10	2.76	0.0016
0	2.09	0.0012
10	2.26	0.0013
20	3.25	0.0019
30	2.26	0.0013
40	2.70	0.0015
50	1.51	0.0009
60	1.11	0.0006
70	2.14	0.0012

LTE Band 4 / 66 / 20 MHz / 1770 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	0.47	0.0003
12.00	0.40	0.0002
6.00	0.00	0.0000

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.44	0.0002
-20	0.83	0.0005
-10	0.40	0.0002
0	0.34	0.0002
10	-0.36	-0.0002
20	-0.39	-0.0002
30	-0.21	-0.0001
40	0.07	0.0000
50	-0.46	-0.0003
60	1.38	0.0008
70	0.83	0.0005

Mode 3: LTE Band 5 / Band 26 (Part 22)**LTE Band 5 / 26 / 1.4 MHz / 824.7 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.20	-0.0027
12.00	-0.80	-0.0010
6.00	-1.49	-0.0018

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.91	-0.0011
-20	-2.56	-0.0031
-10	-0.54	-0.0007
0	-0.51	-0.0006
10	-1.24	-0.0015
20	-1.93	-0.0023
30	-1.49	-0.0018
40	-0.87	-0.0011
50	-1.49	-0.0018
60	-1.23	-0.0015
70	-0.90	-0.0011

LTE Band 5 / 26 / 1.4 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.88	-0.0034
12.00	-1.80	-0.0022
6.00	-2.24	-0.0027

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.62	-0.0031
-20	-2.20	-0.0026
-10	-2.51	-0.0030
0	-2.23	-0.0027
10	-2.76	-0.0033
20	-1.98	-0.0024
30	-2.34	-0.0028
40	-3.34	-0.0040
50	-2.43	-0.0029
60	-1.37	-0.0016
70	-2.65	-0.0032

LTE Band 5 / 26 / 1.4 MHz / 848.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	0.01	0.0000
12.00	0.20	0.0002
6.00	-0.72	-0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.78	-0.0009
-20	-0.18	-0.0002
-10	0.86	0.0010
0	-0.04	0.0000
10	0.21	0.0002
20	-0.20	-0.0002
30	-0.14	-0.0002
40	0.12	0.0001
50	0.16	0.0002
60	0.11	0.0001
70	0.40	0.0005

LTE Band 5 / 26 / 3 MHz / 825.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.86	-0.0023
12.00	-0.50	-0.0006
6.00	-1.08	-0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.99	-0.0012
-20	-0.82	-0.0010
-10	-1.31	-0.0016
0	-0.89	-0.0011
10	-0.71	-0.0009
20	-1.17	-0.0014
30	-1.63	-0.0020
40	-0.41	-0.0005
50	-1.36	-0.0016
60	3.54	0.0043
70	2.83	0.0034

LTE Band 5 / 26 / 3 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-0.75	-0.0009
12.00	-0.10	-0.0001
6.00	0.18	0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.04	0.0000
-20	-0.34	-0.0004
-10	-0.63	-0.0008
0	-0.32	-0.0004
10	0.24	0.0003
20	-1.68	-0.0020
30	-1.28	-0.0015
40	-0.56	-0.0007
50	-0.92	-0.0011
60	1.87	0.0022
70	1.57	0.0019

LTE Band 5 / 26 / 3 MHz / 847.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.46	-0.0029
12.00	-2.30	-0.0027
6.00	-3.02	-0.0036

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.48	-0.0029
-20	-1.96	-0.0023
-10	-3.26	-0.0038
0	-2.21	-0.0026
10	-2.01	-0.0024
20	-2.32	-0.0027
30	-2.22	-0.0026
40	-2.40	-0.0028
50	-2.34	-0.0028
60	2.58	0.0030
70	3.18	0.0038

LTE Band 5 / 26 / 5 MHz / 826.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.92	-0.0035
12.00	-2.60	-0.0031
6.00	-2.52	-0.0030

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-3.10	-0.0038
-20	-2.30	-0.0028
-10	-4.08	-0.0049
0	-2.80	-0.0034
10	-4.10	-0.0050
20	-3.21	-0.0039
30	-3.46	-0.0042
40	-2.87	-0.0035
50	-3.23	-0.0039
60	-3.29	-0.0040
70	-2.96	-0.0036

LTE Band 5 / 26 / 5 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.85	-0.0034
12.00	-2.70	-0.0032
6.00	-3.02	-0.0036

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-3.10	-0.0037
-20	-3.19	-0.0038
-10	-4.09	-0.0049
0	-2.88	-0.0034
10	-2.29	-0.0027
20	-3.28	-0.0039
30	-3.98	-0.0048
40	-2.61	-0.0031
50	-2.79	-0.0033
60	-3.86	-0.0046
70	-2.41	-0.0029

LTE Band 5 / 26 / 5 MHz / 846.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	0.49	0.0006
12.00	1.10	0.0013
6.00	0.58	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.31	0.0015
-20	0.60	0.0007
-10	0.54	0.0006
0	0.53	0.0006
10	0.47	0.0006
20	0.64	0.0008
30	0.69	0.0008
40	-0.24	-0.0003
50	1.04	0.0012
60	0.68	0.0008
70	0.71	0.0008

LTE Band 5 / 26 / 10 MHz / 829 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	0.39	0.0005
12.00	1.10	0.0013
6.00	0.91	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.19	0.0002
-20	0.14	0.0002
-10	0.20	0.0002
0	0.36	0.0004
10	0.48	0.0006
20	0.72	0.0009
30	0.94	0.0011
40	0.39	0.0005
50	0.46	0.0006
60	1.59	0.0019
70	0.18	0.0002

LTE Band 5 / 26 / 10 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.92	-0.0035
12.00	-2.20	-0.0026
6.00	-2.85	-0.0034

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-3.42	-0.0041
-20	-2.52	-0.0030
-10	-1.92	-0.0023
0	-3.10	-0.0037
10	-2.50	-0.0030
20	-3.16	-0.0038
30	-3.04	-0.0036
40	-2.96	-0.0035
50	-1.82	-0.0022
60	-2.73	-0.0033
70	-3.04	-0.0036

LTE Band 5 / 26 / 10 MHz / 844 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.06	-0.0024
12.00	-1.50	-0.0018
6.00	-1.81	-0.0021

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.23	-0.0015
-20	-1.60	-0.0019
-10	-1.94	-0.0023
0	-1.53	-0.0018
10	-3.08	-0.0036
20	-2.82	-0.0033
30	-1.77	-0.0021
40	-1.36	-0.0016
50	-2.50	-0.0030
60	-1.70	-0.0020
70	-1.99	-0.0024

LTE Band 5 / 26 / 15 MHz / 831.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.69	-0.0032
12.00	-2.20	-0.0026
6.00	-2.66	-0.0032

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.93	-0.0023
-20	-2.15	-0.0026
-10	-3.41	-0.0041
0	-3.09	-0.0037
10	-3.41	-0.0041
20	-2.02	-0.0024
30	-2.38	-0.0029
40	-2.69	-0.0032
50	1.62	0.0019
60	3.12	0.0038
70	1.91	0.0023

LTE Band 5 / 26 / 15 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.06	-0.0025
12.00	-1.50	-0.0018
6.00	-1.38	-0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.02	-0.0012
-20	-1.66	-0.0020
-10	-1.18	-0.0014
0	-1.92	-0.0023
10	-1.35	-0.0016
20	-2.31	-0.0028
30	-2.05	-0.0025
40	-2.87	-0.0034
50	-3.06	-0.0037
60	4.14	0.0049
70	4.20	0.0050

LTE Band 5 / 26 / 15 MHz / 841.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.49	-0.0018
12.00	-0.80	-0.0010
6.00	-1.77	-0.0021

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.30	-0.0015
-20	-1.09	-0.0013
-10	-1.26	-0.0015
0	-0.33	-0.0004
10	-1.35	-0.0016
20	-1.60	-0.0019
30	-1.39	-0.0017
40	-1.68	-0.0020
50	-0.83	-0.0010
60	4.54	0.0054
70	4.55	0.0054

Mode 4: LTE Band 7**LTE Band 7 / 5 MHz / 2502.5 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-5.52	-0.0022
12.00	-4.60	-0.0018
6.00	-4.13	-0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-6.19	-0.0025
-20	-5.15	-0.0021
-10	-5.41	-0.0022
0	-5.37	-0.0021
10	-5.96	-0.0024
20	-6.04	-0.0024
30	-5.14	-0.0021
40	-4.98	-0.0020
50	-5.19	-0.0021
60	-5.67	-0.0023
70	-4.21	-0.0017

LTE Band 7 / 5 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.85	-0.0007
12.00	-2.30	-0.0009
6.00	-2.91	-0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.88	-0.0011
-20	-2.84	-0.0011
-10	-3.20	-0.0013
0	-3.22	-0.0013
10	-2.59	-0.0010
20	-2.24	-0.0009
30	-3.77	-0.0015
40	-2.80	-0.0011
50	-2.83	-0.0011
60	-3.18	-0.0013
70	-1.91	-0.0008

LTE Band 7 / 5 MHz / 2567.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.24	-0.0009
12.00	-1.20	-0.0005
6.00	-1.83	-0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.81	-0.0011
-20	-1.69	-0.0007
-10	-1.13	-0.0004
0	-0.96	-0.0004
10	-1.41	-0.0005
20	-1.19	-0.0005
30	-1.88	-0.0007
40	-1.16	-0.0005
50	-1.58	-0.0006
60	-1.75	-0.0007
70	-1.61	-0.0006

LTE Band 7 / 10 MHz / 2502.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.98	-0.0012
12.00	-2.20	-0.0009
6.00	-2.25	-0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.25	-0.0009
-20	-2.18	-0.0009
-10	-3.55	-0.0014
0	-2.90	-0.0012
10	-2.65	-0.0011
20	-2.98	-0.0012
30	-2.30	-0.0009
40	-3.12	-0.0012
50	-2.06	-0.0008
60	3.99	0.0016
70	3.10	0.0012

LTE Band 7 / 10 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.83	-0.0007
12.00	-1.00	-0.0004
6.00	-1.91	-0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.64	-0.0006
-20	-1.05	-0.0004
-10	-1.10	-0.0004
0	-0.82	-0.0003
10	-1.47	-0.0006
20	-1.34	-0.0005
30	-1.54	-0.0006
40	-1.22	-0.0005
50	-1.55	-0.0006
60	0.86	0.0003
70	2.04	0.0008

LTE Band 7 / 10 MHz / 2567.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	0.11	0.0000
12.00	-0.30	-0.0001
6.00	-0.75	-0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.30	-0.0005
-20	-0.60	-0.0002
-10	-1.69	-0.0007
0	-1.16	-0.0005
10	-0.46	-0.0002
20	0.39	0.0002
30	-1.08	-0.0004
40	-0.74	-0.0003
50	-0.85	-0.0003
60	3.06	0.0012
70	3.95	0.0015

LTE Band 7 / 15 MHz / 2507.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.83	-0.0011
12.00	-2.00	-0.0008
6.00	-2.39	-0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.14	-0.0009
-20	-2.67	-0.0011
-10	-2.61	-0.0010
0	-3.09	-0.0012
10	-2.56	-0.0010
20	-3.34	-0.0013
30	-2.34	-0.0009
40	-2.30	-0.0009
50	-2.69	-0.0011
60	3.36	0.0013
70	4.68	0.0019

LTE Band 7 / 15 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.59	-0.0010
12.00	-2.60	-0.0010
6.00	-2.76	-0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.77	-0.0011
-20	-4.22	-0.0017
-10	-3.22	-0.0013
0	-3.26	-0.0013
10	-2.55	-0.0010
20	-2.69	-0.0011
30	-3.46	-0.0014
40	-2.51	-0.0010
50	-2.28	-0.0009
60	3.14	0.0012
70	1.95	0.0008

LTE Band 7 / 15 MHz / 2562.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-3.74	-0.0015
12.00	-2.30	-0.0009
6.00	-2.85	-0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.59	-0.0010
-20	-2.90	-0.0011
-10	-2.11	-0.0008
0	-2.18	-0.0009
10	-2.98	-0.0012
20	-2.86	-0.0011
30	-2.55	-0.0010
40	-2.80	-0.0011
50	-2.58	-0.0010
60	2.24	0.0009
70	3.31	0.0013

LTE Band 7 / 20 MHz / 2510 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-3.40	-0.0014
12.00	-2.30	-0.0009
6.00	-2.05	-0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.39	-0.0010
-20	-3.42	-0.0014
-10	-3.57	-0.0014
0	-2.60	-0.0010
10	-1.86	-0.0007
20	-2.62	-0.0010
30	-2.88	-0.0011
40	-2.34	-0.0009
50	-2.21	-0.0009
60	3.91	0.0016
70	3.24	0.0013

LTE Band 7 / 20 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.98	-0.0008
12.00	-1.10	-0.0004
6.00	-1.69	-0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.80	-0.0003
-20	-1.10	-0.0004
-10	-1.32	-0.0005
0	-1.75	-0.0007
10	-1.87	-0.0007
20	-1.73	-0.0007
30	-2.35	-0.0009
40	-2.07	-0.0008
50	-1.94	-0.0008
60	1.79	0.0007
70	2.93	0.0012

LTE Band 7 / 20 MHz / 2560 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.20	-0.0005
12.00	-0.90	-0.0004
6.00	-1.68	-0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.83	-0.0003
-20	-1.44	-0.0006
-10	-1.31	-0.0005
0	-1.87	-0.0007
10	-1.85	-0.0007
20	-0.77	-0.0003
30	-1.20	-0.0005
40	-0.34	-0.0001
50	-0.83	-0.0003
60	4.19	0.0016
70	2.96	0.0012

Mode 5: LTE Band 8**LTE Band 8 / 1.4 MHz / 898.2 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.10	-0.0023
12.00	-2.60	-0.0029
6.00	-2.66	-0.0030

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.33	-0.0026
-20	-2.17	-0.0024
-10	-3.03	-0.0034
0	-3.33	-0.0037
10	-2.10	-0.0023
20	-3.46	-0.0039
30	-4.03	-0.0045
40	-3.29	-0.0037
50	-3.26	-0.0036
60	-3.29	-0.0037
70	-3.23	-0.0036

LTE Band 8 / 1.4 MHz / 899 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.22	-0.0025
12.00	-2.70	-0.0030
6.00	-2.50	-0.0028

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-2.80	-0.0031
-20	-3.27	-0.0036
-10	-3.00	-0.0033
0	-2.36	-0.0026
10	-4.00	-0.0044
20	-3.69	-0.0041
30	-3.36	-0.0037
40	-3.38	-0.0038
50	-2.80	-0.0031
60	-3.59	-0.0040
70	-3.43	-0.0038

LTE Band 8 / 1.4 MHz / 899.8 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-5.14	-0.0057
12.00	-5.10	-0.0057
6.00	-6.23	-0.0069

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-5.97	-0.0066
-20	-5.36	-0.0060
-10	-5.13	-0.0057
0	-5.69	-0.0063
10	-5.86	-0.0065
20	-6.26	-0.0070
30	-4.76	-0.0053
40	-6.13	-0.0068
50	-5.95	-0.0066
60	-4.43	-0.0049
70	-6.15	-0.0068

LTE Band 8 / 3 MHz / 899 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-1.52	-0.0017
12.00	-1.20	-0.0013
6.00	-1.54	-0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.98	-0.0011
-20	-2.06	-0.0023
-10	-1.82	-0.0020
0	-2.15	-0.0024
10	-1.84	-0.0020
20	-2.03	-0.0023
30	-1.94	-0.0022
40	-1.78	-0.0020
50	-2.22	-0.0025
60	1.63	0.0018
70	1.62	0.0018

Mode 6: LTE Band 12**LTE Band 12 / 1.4 MHz / 699.7 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-3.22	-0.0046
12.00	-1.50	-0.0021
6.00	-1.94	-0.0028

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.59	-0.0023
-20	-1.89	-0.0027
-10	-1.20	-0.0017
0	-2.27	-0.0032
10	-1.78	-0.0025
20	-2.34	-0.0033
30	-1.60	-0.0023
40	-2.13	-0.0030
50	-2.83	-0.0040
60	-1.99	-0.0028
70	-1.63	-0.0023

LTE Band 12 / 1.4 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-3.14	-0.0044
12.00	-1.80	-0.0025
6.00	-2.67	-0.0038

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.06	-0.0015
-20	-2.78	-0.0039
-10	-3.13	-0.0044
0	-2.26	-0.0032
10	-2.44	-0.0034
20	-3.39	-0.0048
30	-2.00	-0.0028
40	-1.44	-0.0020
50	-2.09	-0.0030
60	-1.01	-0.0014
70	-2.84	-0.0040

LTE Band 12 / 1.4 MHz / 715.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
32.00	-2.03	-0.0028
12.00	-1.00	-0.0014
6.00	-0.96	-0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-1.14	-0.0016
-20	-2.16	-0.0030
-10	-1.69	-0.0024
0	-1.75	-0.0024
10	-1.77	-0.0025
20	-2.26	-0.0032
30	-1.62	-0.0023
40	-1.83	-0.0026
50	-0.64	-0.0009
60	-1.41	-0.0020
70	-1.76	-0.0025