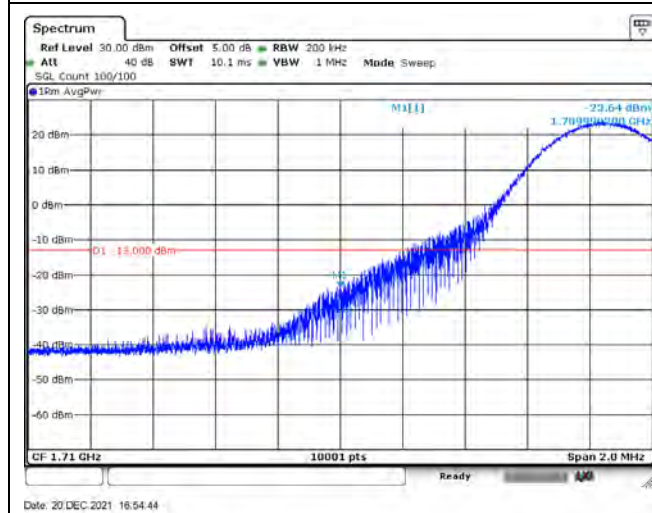
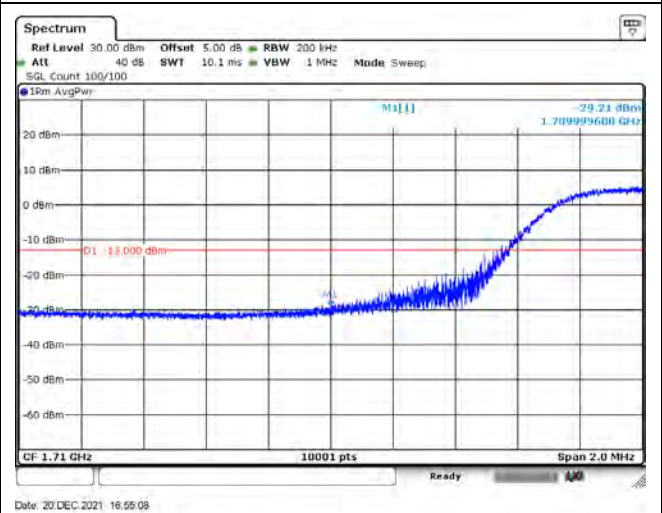


LTE Band 4

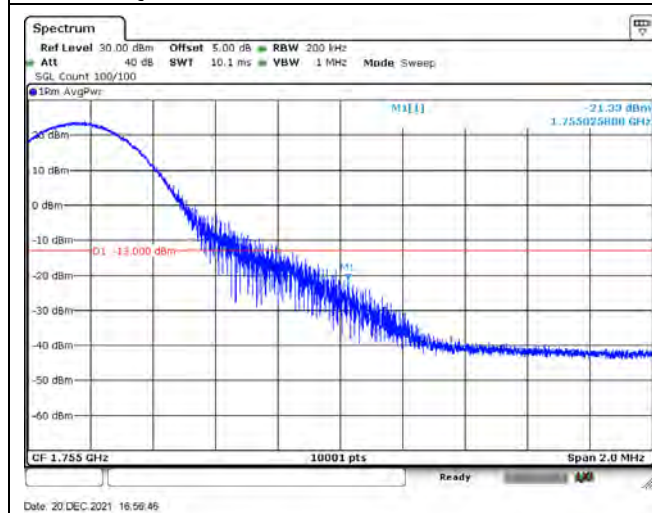
QPSK / CH20025 / 15 MHz / 1RB0



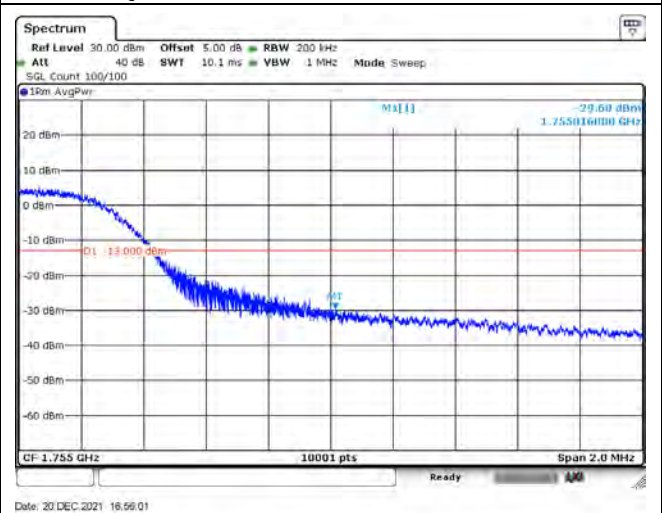
QPSK / CH20025 / 15 MHz / 75RB0



QPSK / CH20325 / 15 MHz / 1RB74

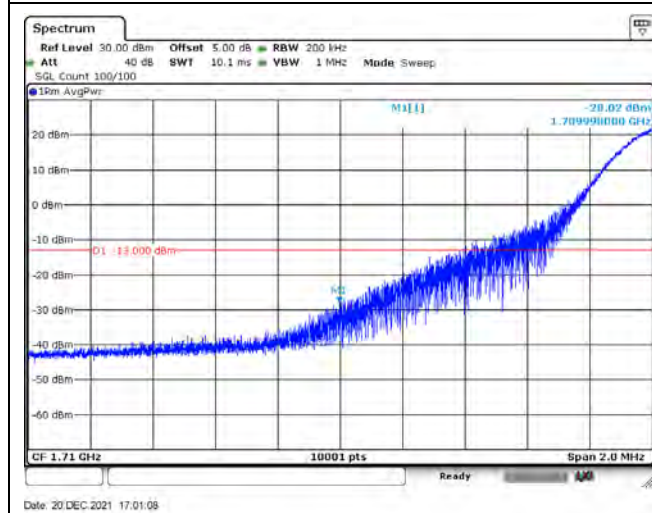


QPSK / CH20325 / 15 MHz / 75RB0

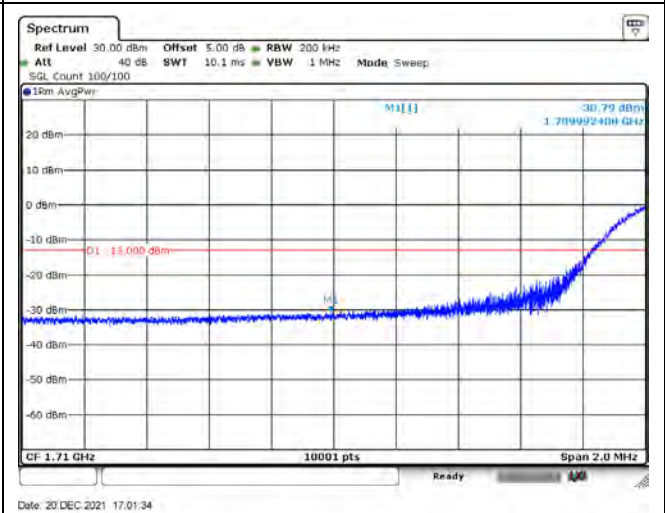


LTE Band 4

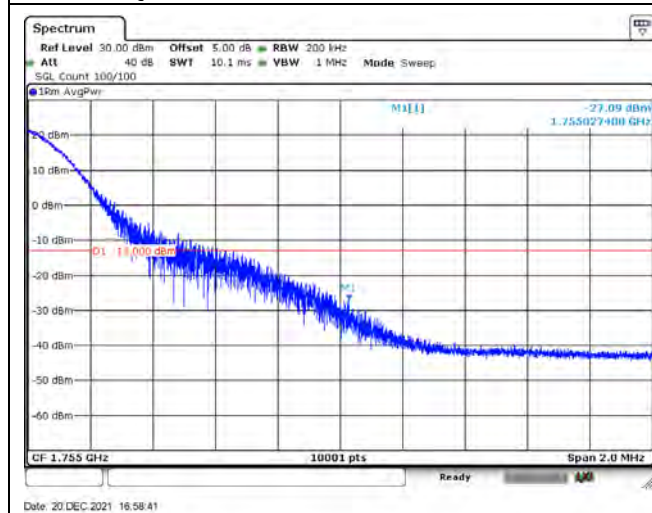
QPSK / CH20050 / 20 MHz / 1RB0



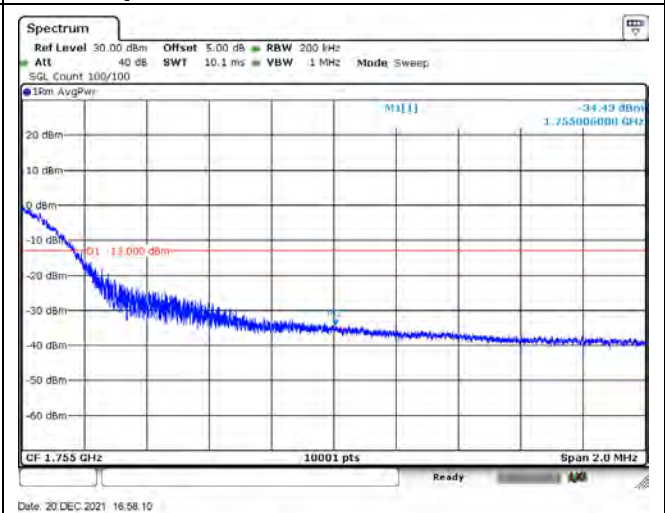
QPSK / CH20050 / 20 MHz / 100RB0



QPSK / CH20300 / 20 MHz / 1RB99



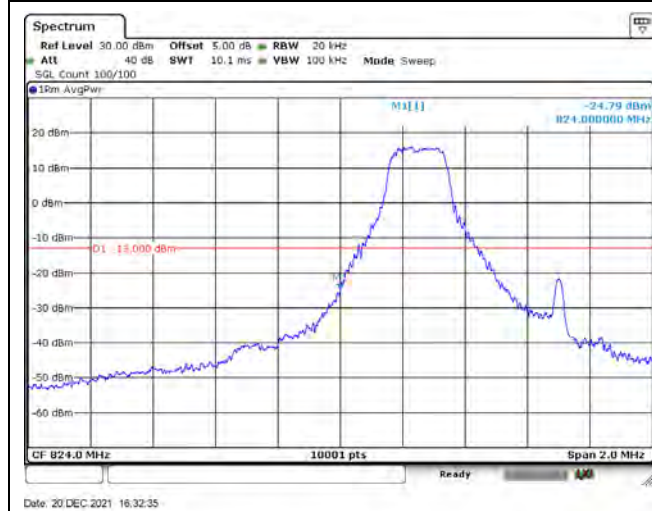
QPSK / CH20300 / 20 MHz / 100RB0



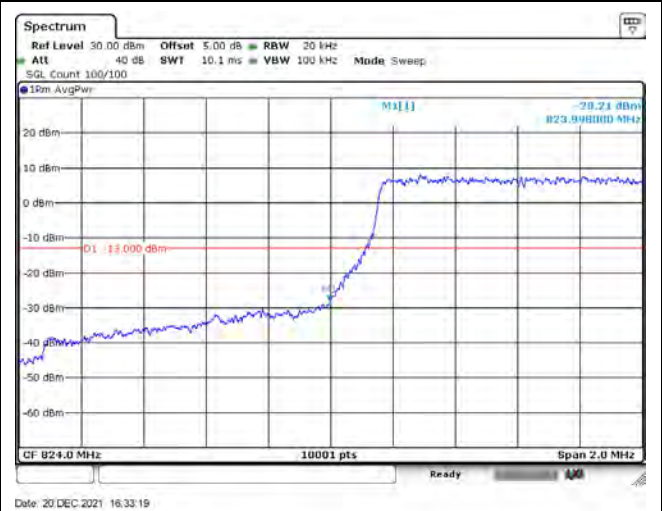
Mode 3: LTE Band 5/26 (Part 22)

LTE Band 26

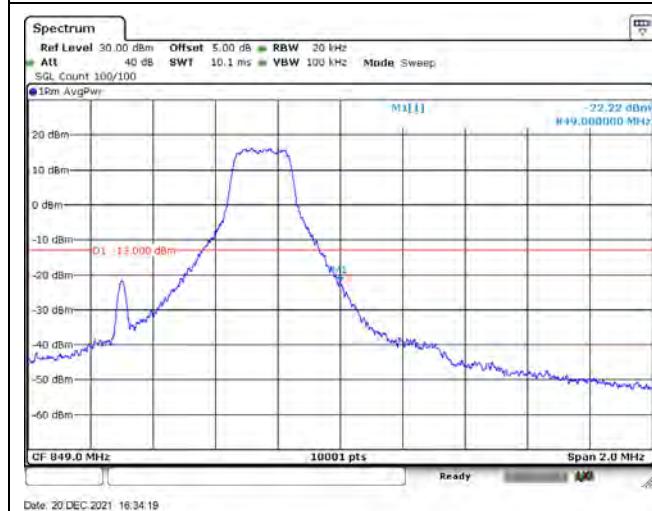
QPSK / CH26797 / 1.4 MHz / 1RB0



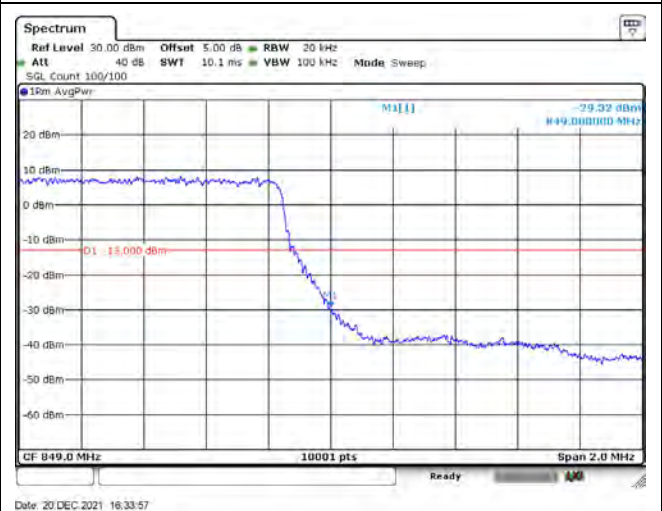
QPSK / CH26797 / 1.4 MHz / 6RB0



QPSK / CH27033 / 1.4 MHz / 1RB5

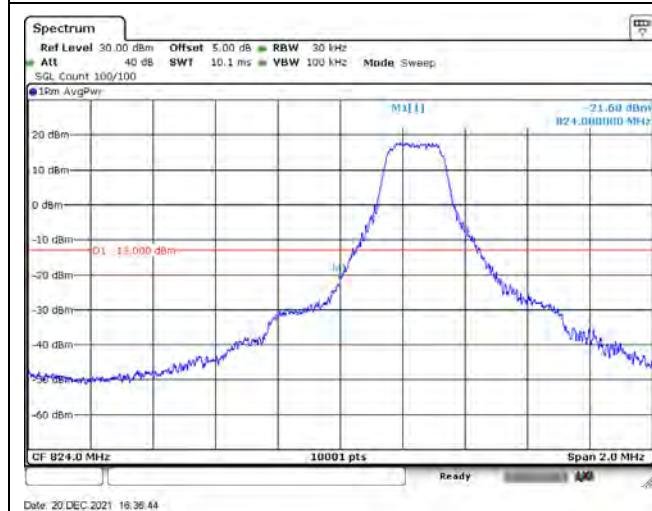


QPSK / CH27033 / 1.4 MHz / 6RB0

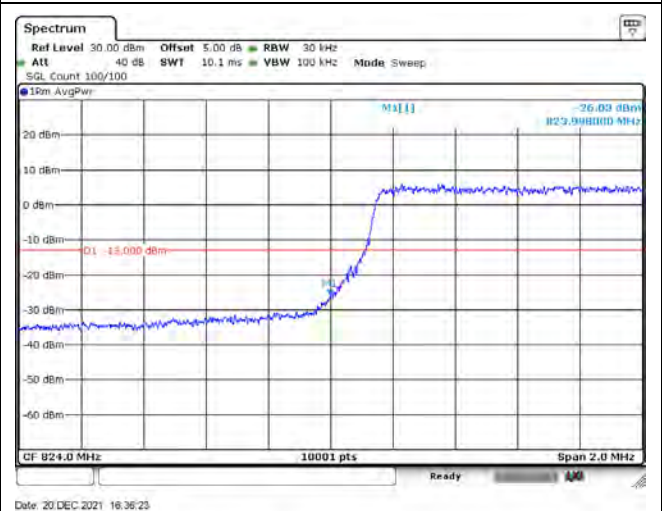


LTE Band 26

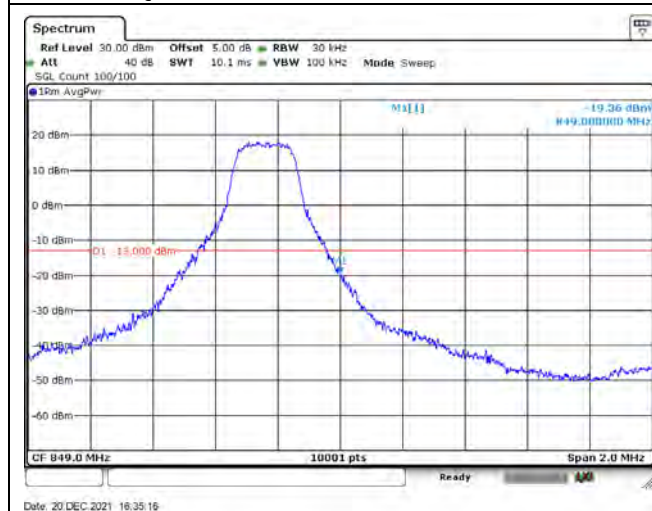
QPSK / CH26805 / 3 MHz / 1RB0



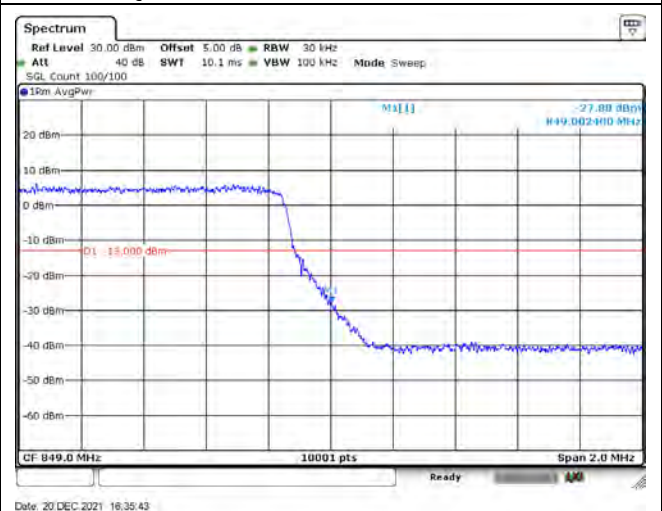
QPSK / CH26805 / 3 MHz / 15RB0



QPSK / CH27025 / 3 MHz / 1RB14

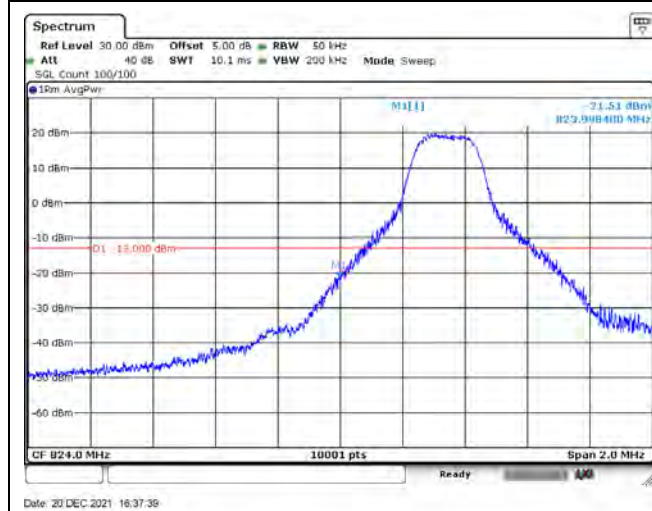


QPSK / CH27025 / 3 MHz / 15RB0

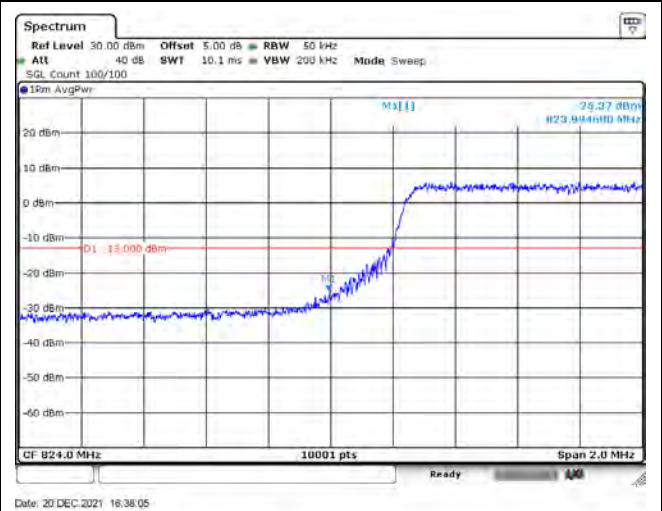


LTE Band 26

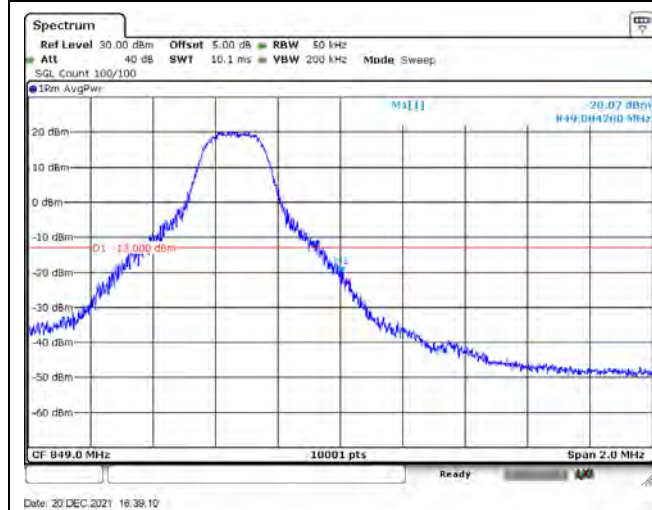
QPSK / CH26815 / 5 MHz / 1RB0



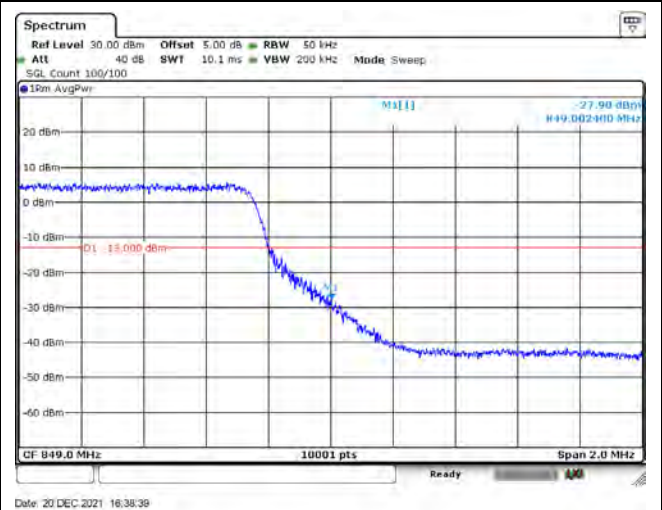
QPSK / CH26815 / 5 MHz / 25RB0



QPSK / CH27015 / 5 MHz / 1RB24

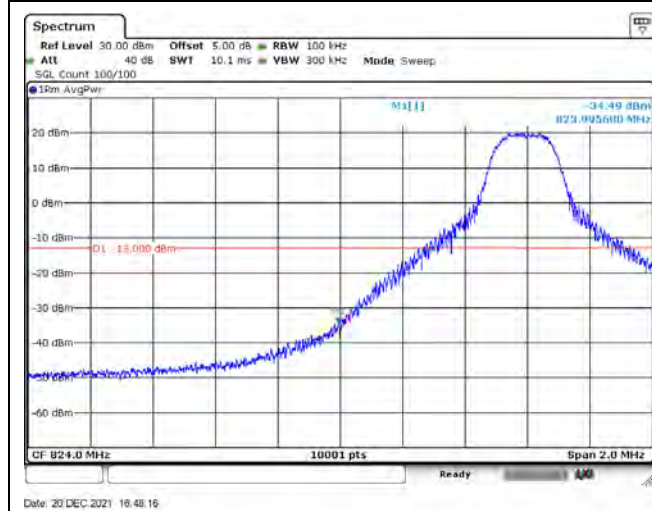


QPSK / CH27015 / 5 MHz / 25RB0

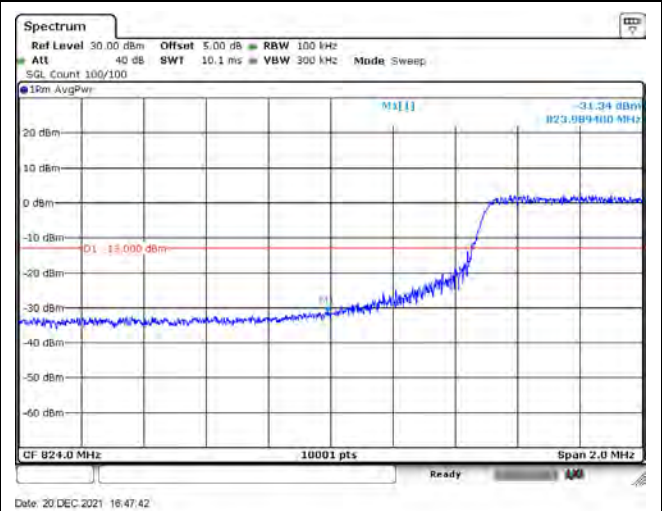


LTE Band 26

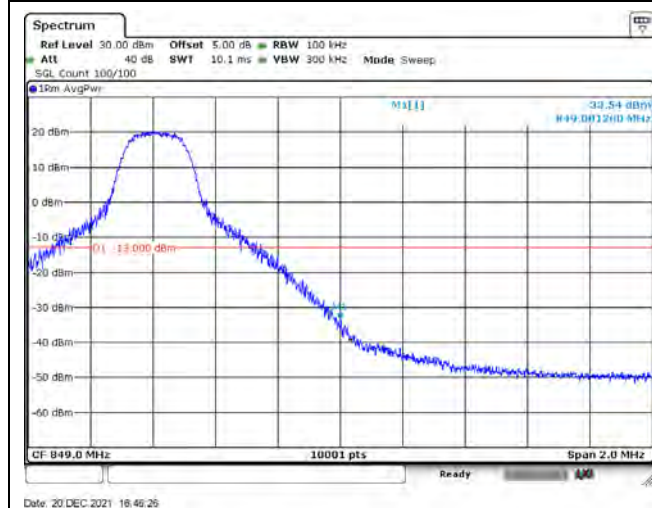
QPSK / CH26840 / 10 MHz / 1RB0



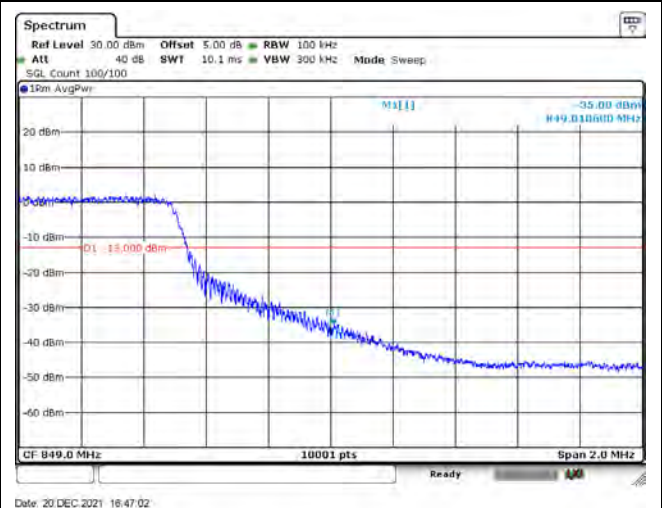
QPSK / CH26840 / 10 MHz / 50RB0



QPSK / CH26990 / 10 MHz / 1RB49

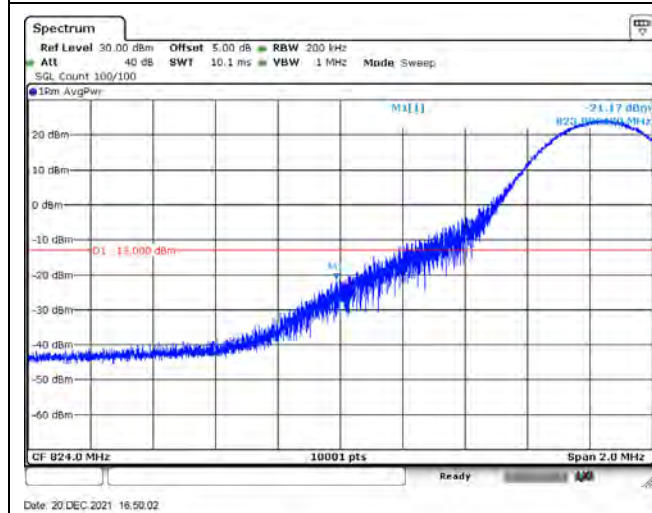


QPSK / CH26990 / 10 MHz / 50RB0

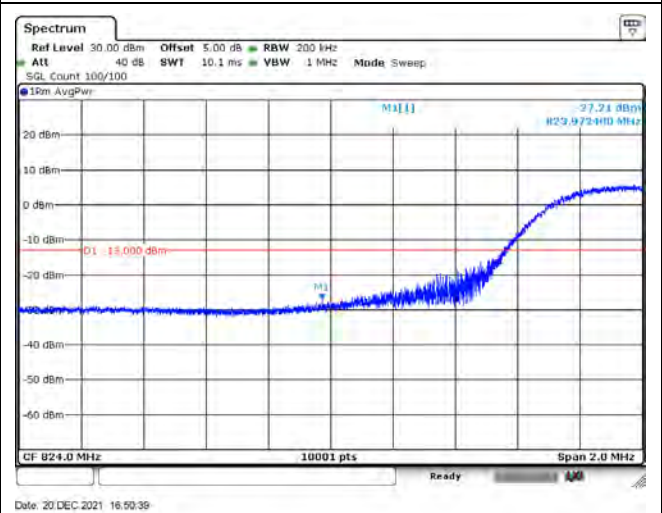


LTE Band 26

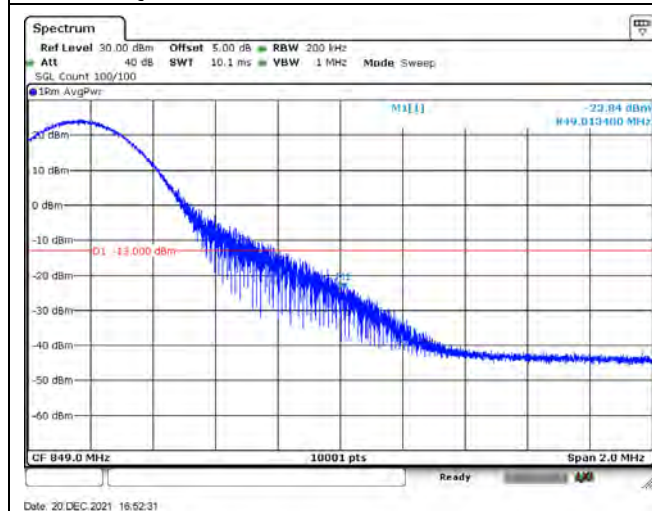
QPSK / CH26865 / 15 MHz / 1RB0



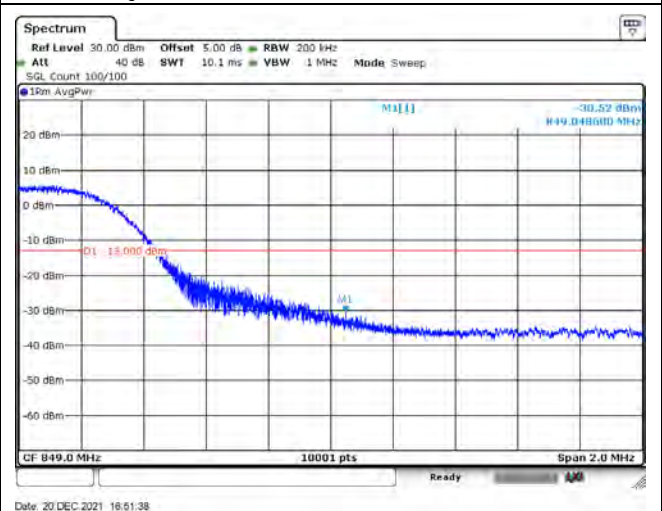
QPSK / CH26865 / 15 MHz / 75RB0



QPSK / CH26965 / 15 MHz / 1RB74

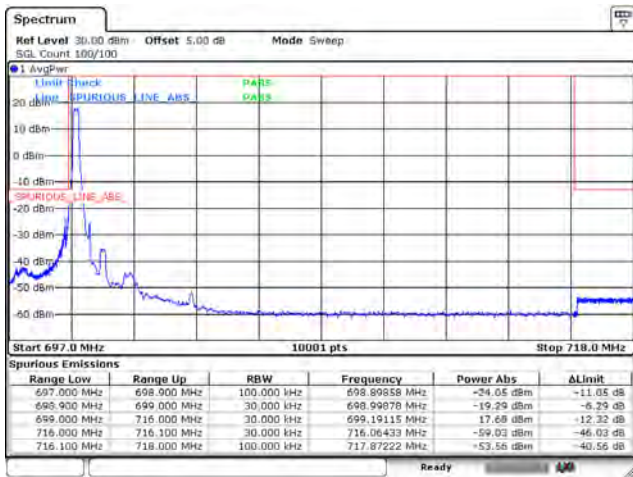


QPSK / CH26965 / 15 MHz / 75RB0

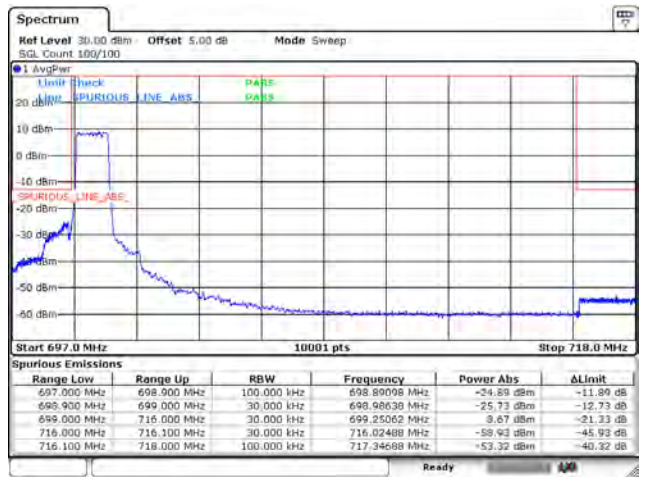


Mode 4: LTE Band 12

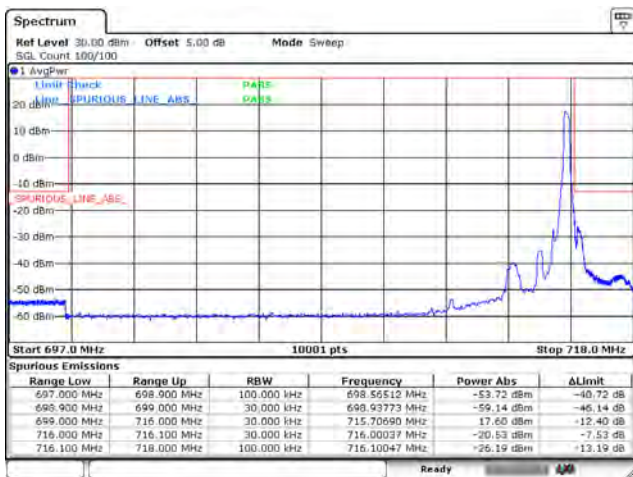
LTE Band 12

QPSK / CH23017 / 1.4 MHz / 1RB0

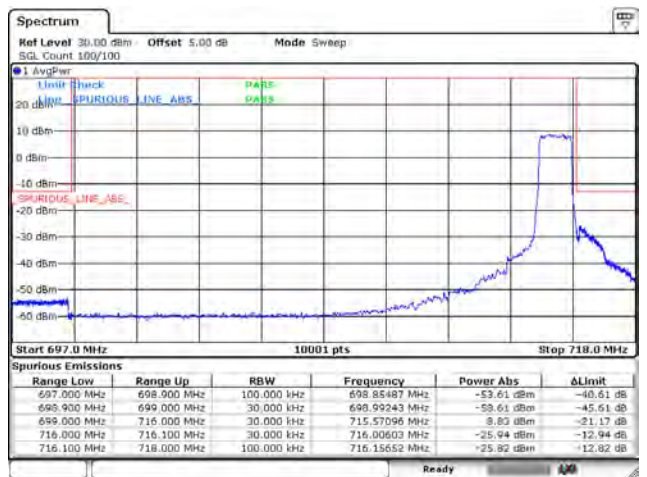
Date: 20 DEC 2021 16:29:54

QPSK / CH23017 / 1.4 MHz / 6RB0

Date: 20 DEC 2021 16:29:40

QPSK / CH23173 / 1.4 MHz / 1RB5

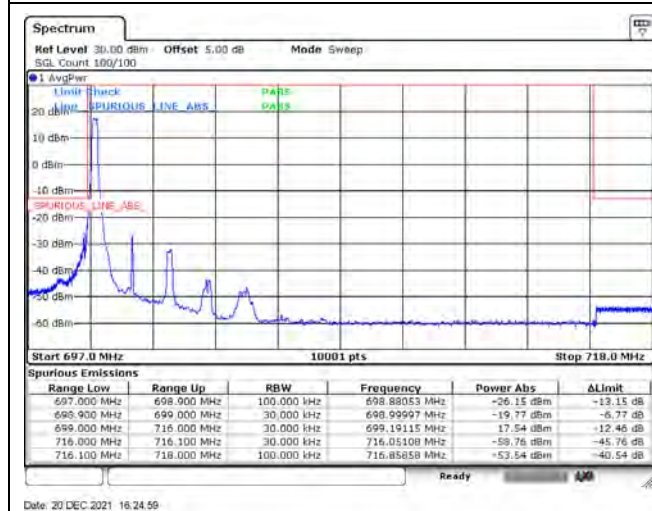
Date: 20 DEC 2021 16:28:53

QPSK / CH23173 / 1.4 MHz / 6RB0

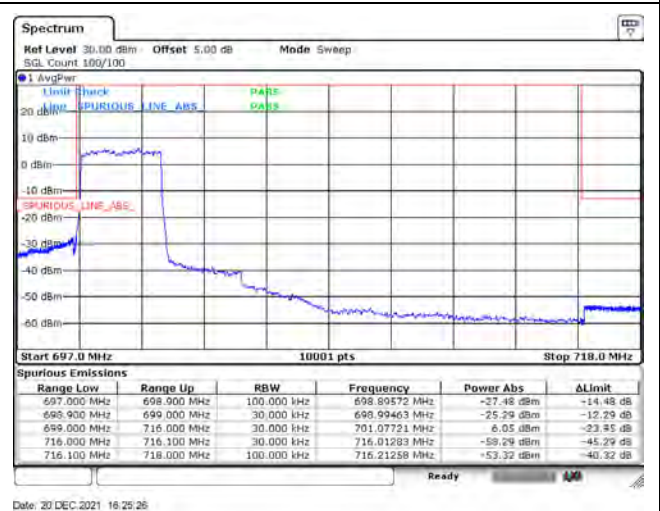
Date: 20 DEC 2021 16:29:18

LTE Band 12

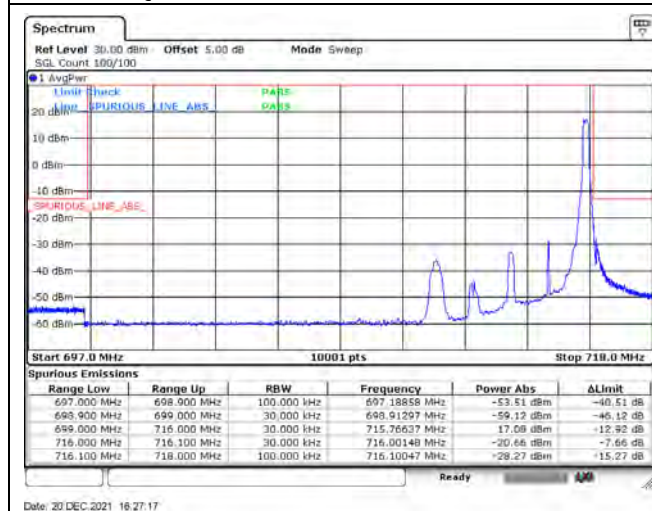
QPSK / CH23025 / 3 MHz / 1RB0



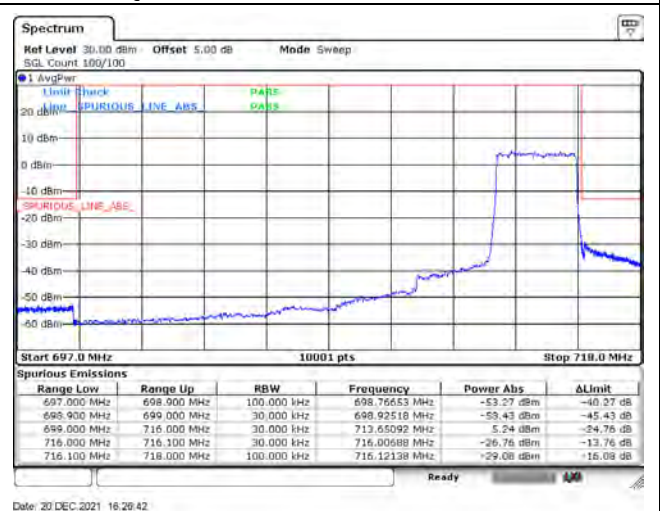
QPSK / CH23025 / 3 MHz / 15RB0



QPSK / CH23165 / 3 MHz / 1RB14

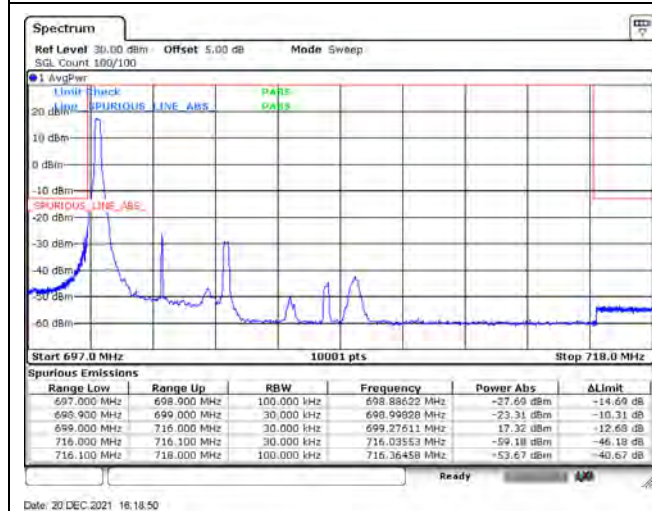


QPSK / CH23165 / 3 MHz / 15RB0

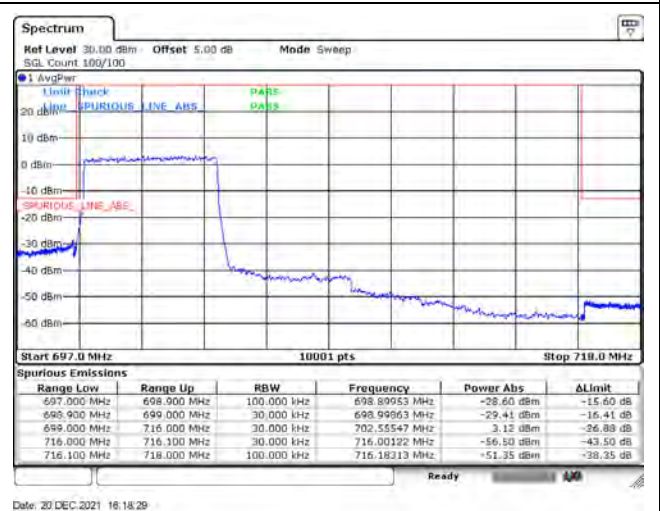


LTE Band 12

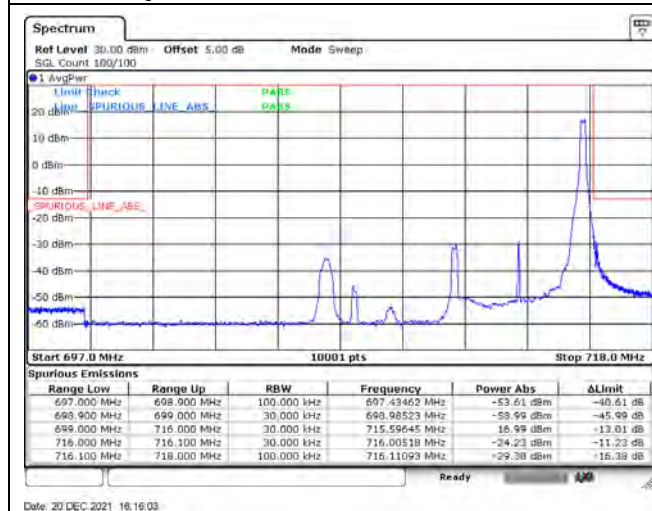
QPSK / CH23035 / 5 MHz / 1RB0



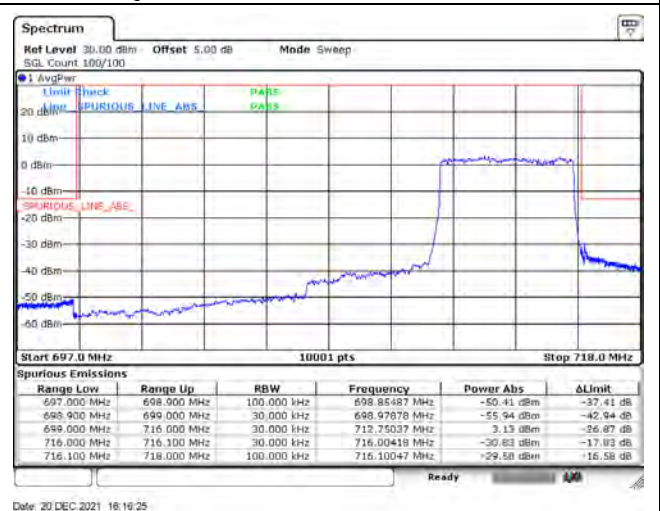
QPSK / CH23035 / 5 MHz / 25RB0



QPSK / CH23155 / 5 MHz / 1RB24

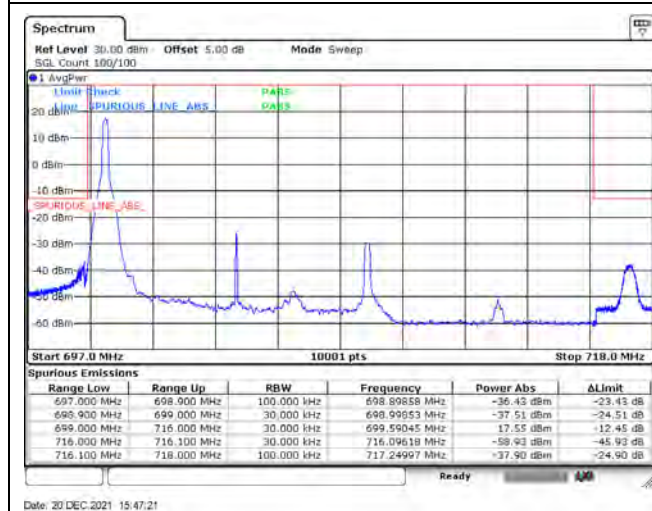


QPSK / CH23155 / 5 MHz / 25RB0

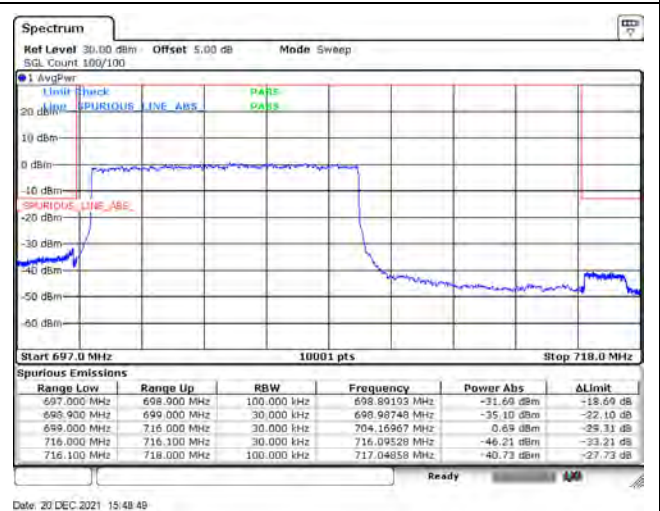


LTE Band 12

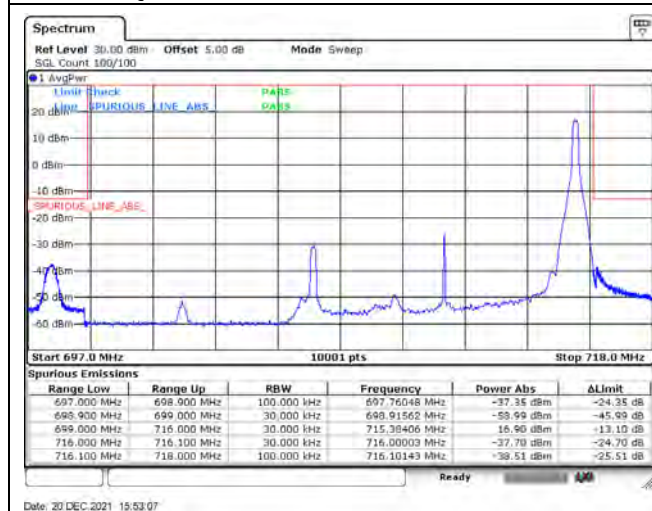
QPSK / CH23060 / 10 MHz / 1RB0



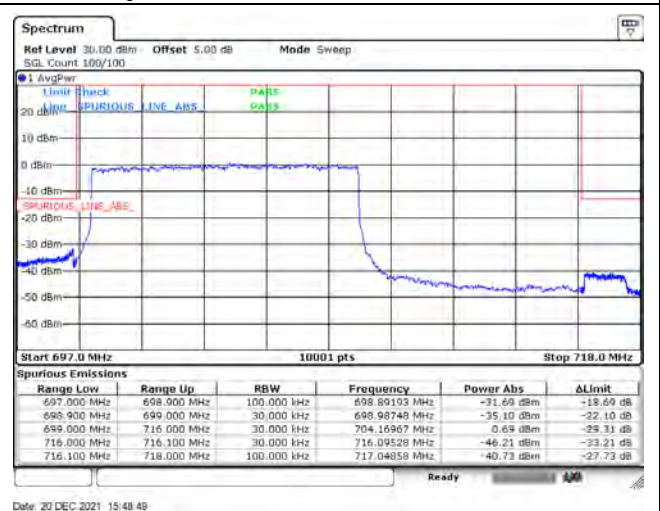
QPSK / CH23060 / 10 MHz / 50RB0



QPSK / CH23130 / 10 MHz / 1RB49

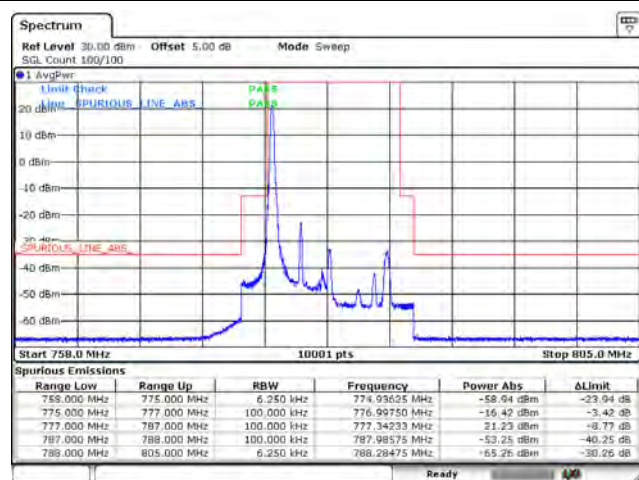
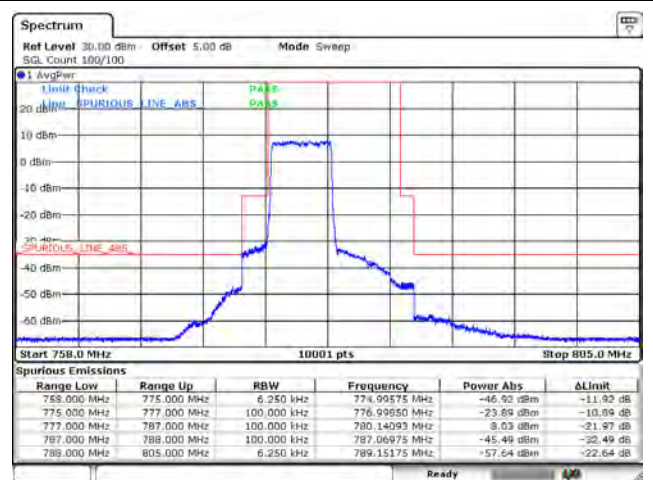
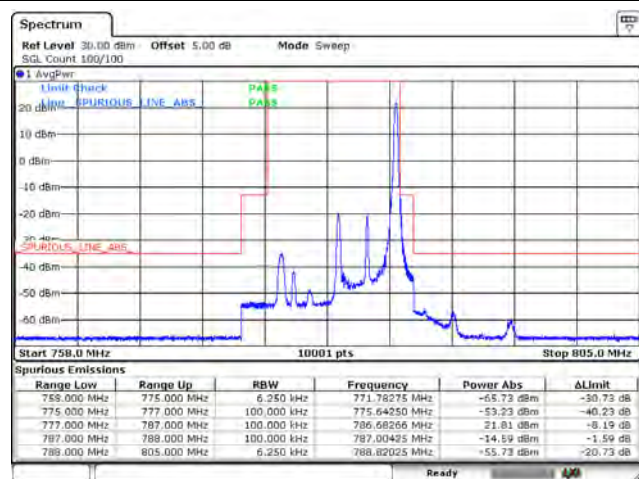
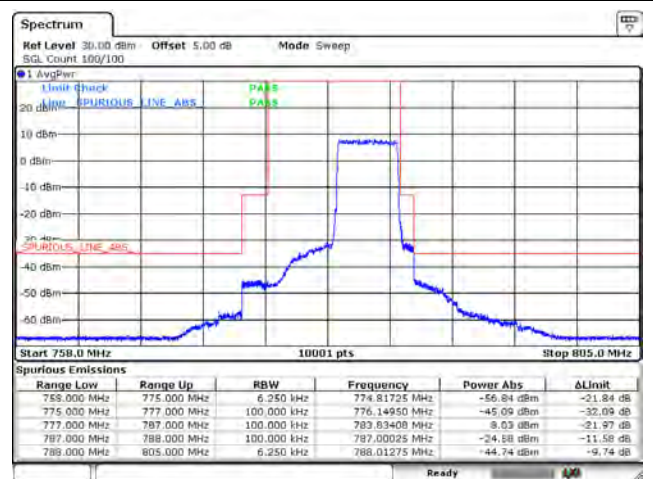


QPSK / CH23130 / 10 MHz / 50RB0



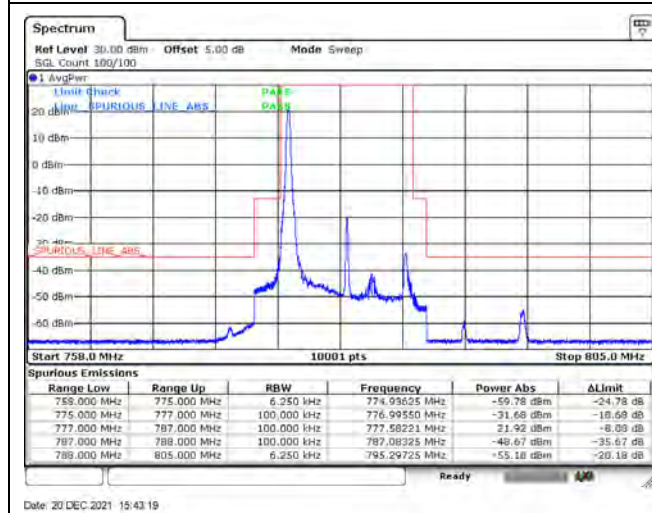
Mode 5: LTE Band 13

LTE Band 13

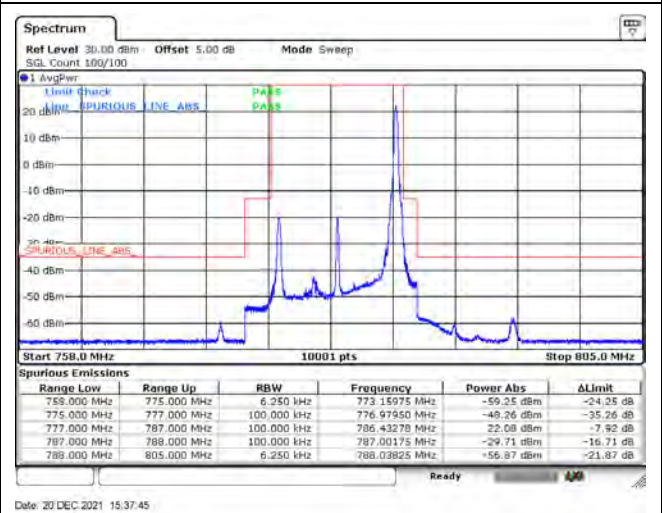
QPSK / CH23205 / 5 MHz / 1RB0**QPSK / CH23205 / 5 MHz / 25RB0****QPSK / CH23255 / 5 MHz / 1RB24****QPSK / CH23255 / 5 MHz / 25RB0**

LTE Band 13

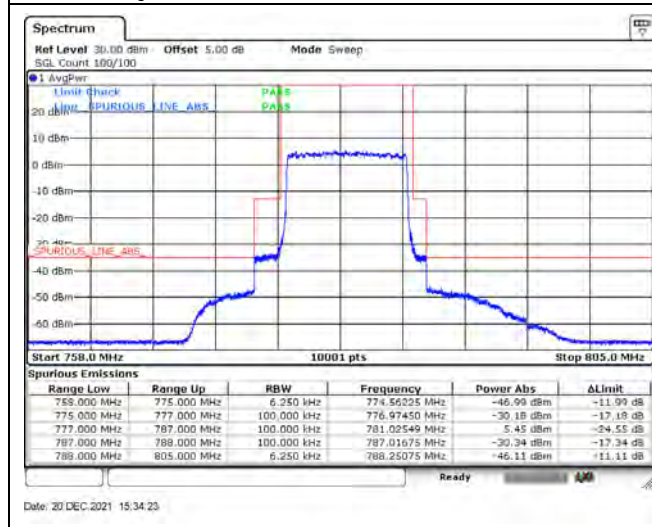
QPSK / CH23230 / 10 MHz / 1RB0



QPSK / CH23230 / 10 MHz / 1RB49



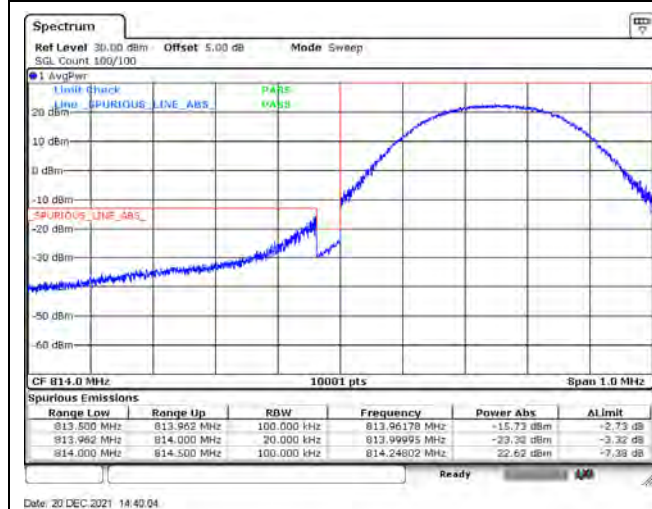
QPSK / CH23230 / 10 MHz / 50RB0



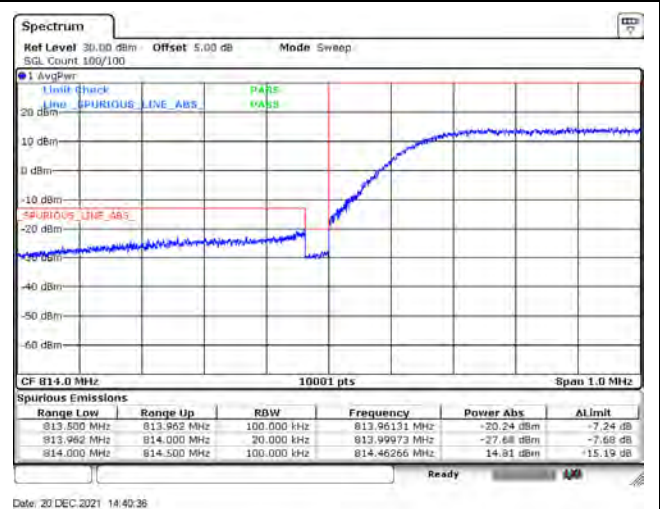
Mode 6: LTE Band 26 (Part 90)

LTE Band 26

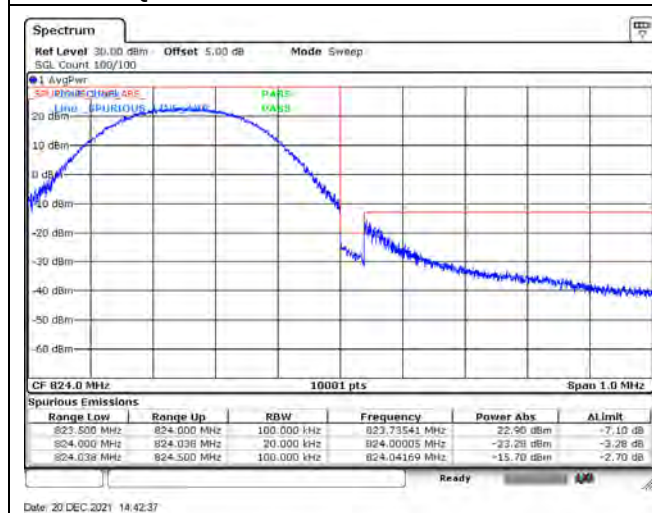
QPSK / CH26697 / 1.4 MHz / 1RB0



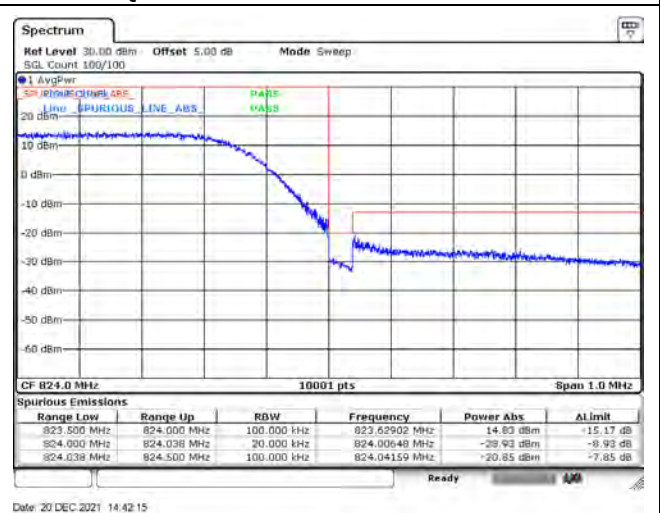
QPSK / CH26697 / 1.4 MHz / 6RB0



QPSK / CH26783 / 1.4 MHz / 1RB5

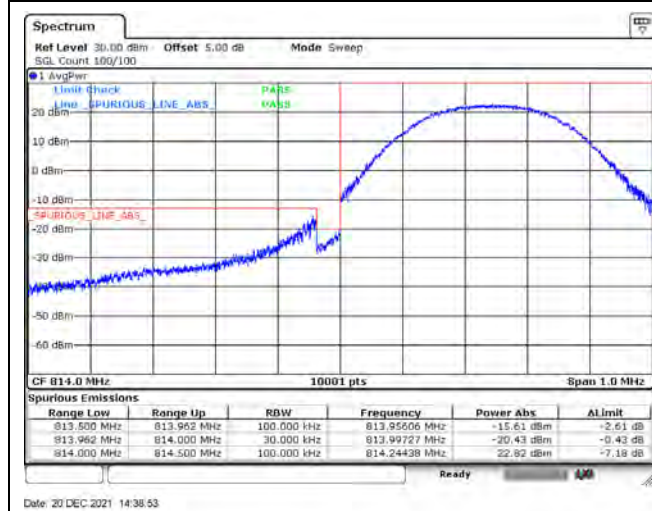


QPSK / CH26783 / 1.4 MHz / 6RB0



LTE Band 26

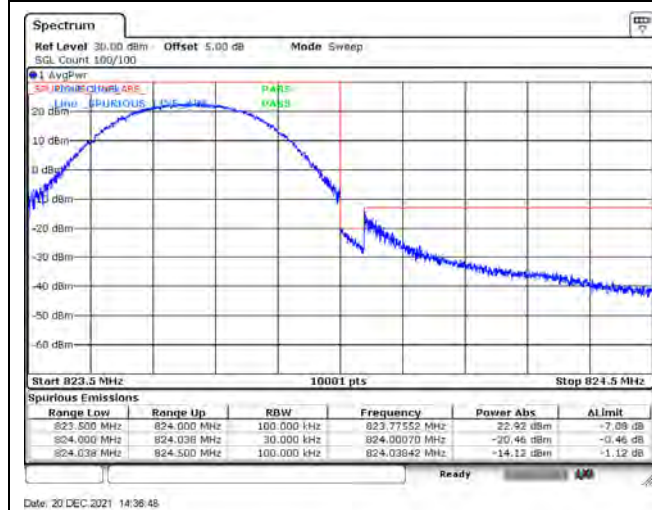
QPSK / CH26705 / 3 MHz / 1RB0



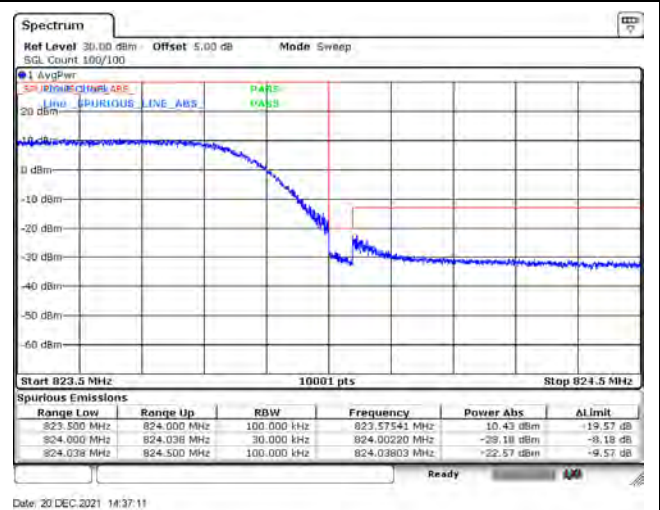
QPSK / CH26705 / 3 MHz / 15RB0



QPSK / CH26775 / 3 MHz / 1RB14

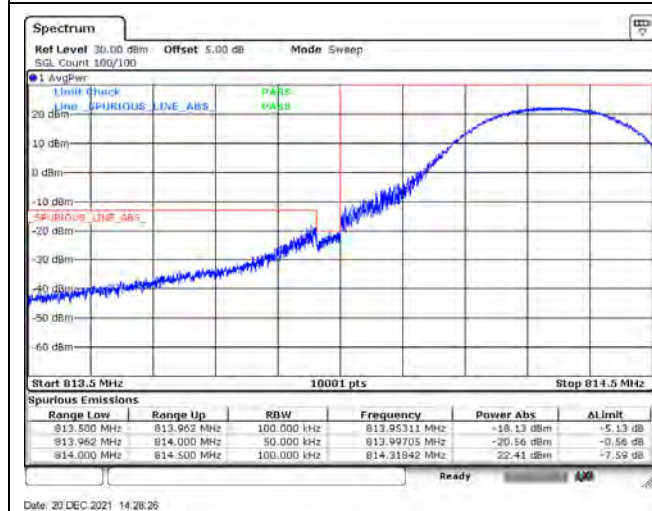


QPSK / CH26775 / 3 MHz / 15RB0

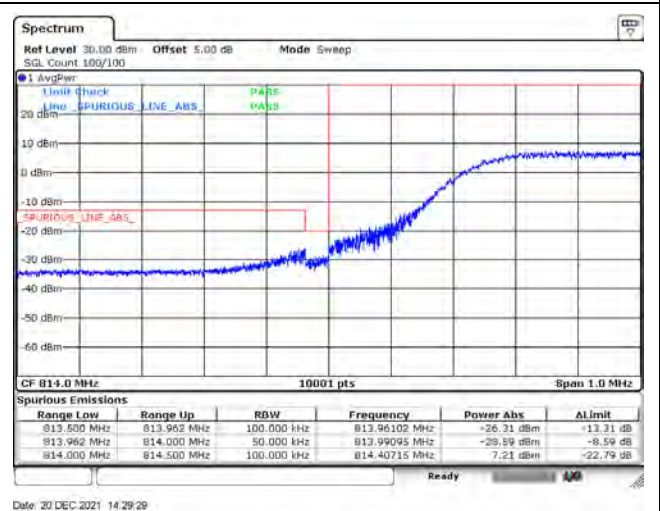


LTE Band 26

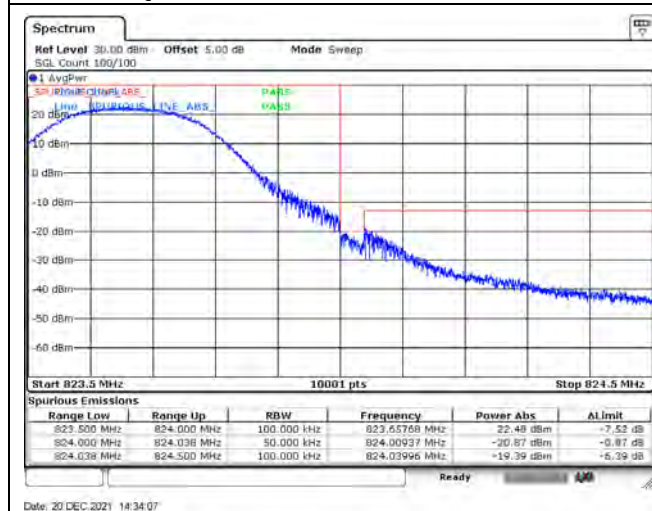
QPSK / CH26715 / 5 MHz / 1RB0



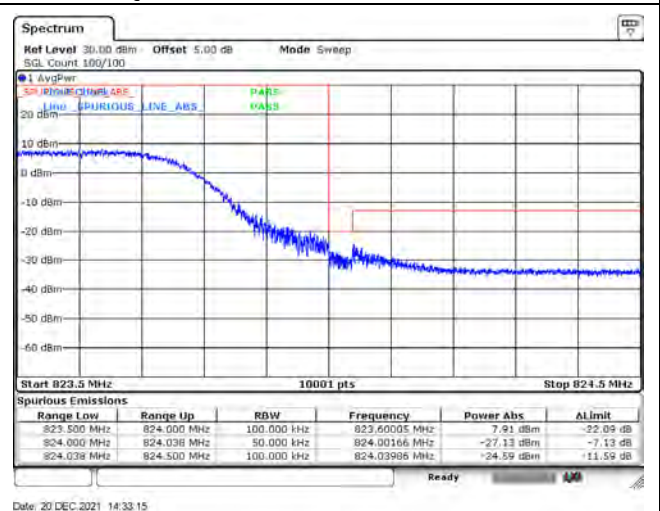
QPSK / CH26715 / 5 MHz / 25RB0



QPSK / CH26765 / 5 MHz / 1RB24

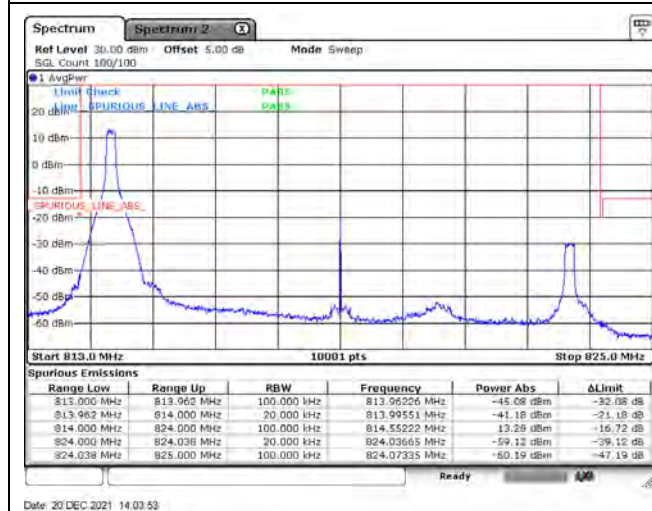


QPSK / CH26765 / 5 MHz / 25RB0

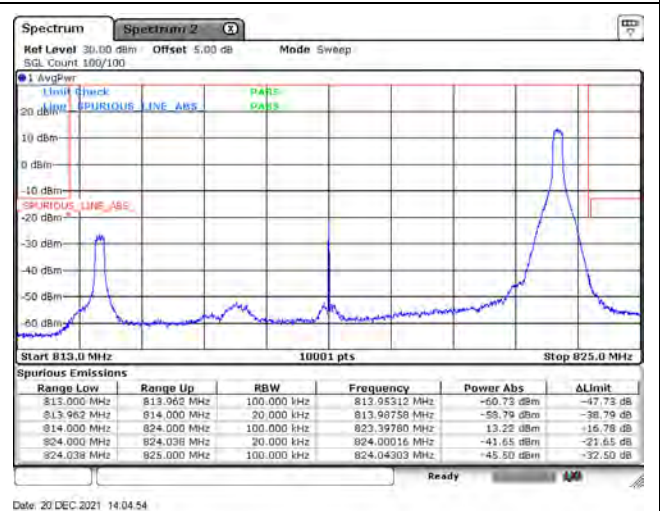


LTE Band 26

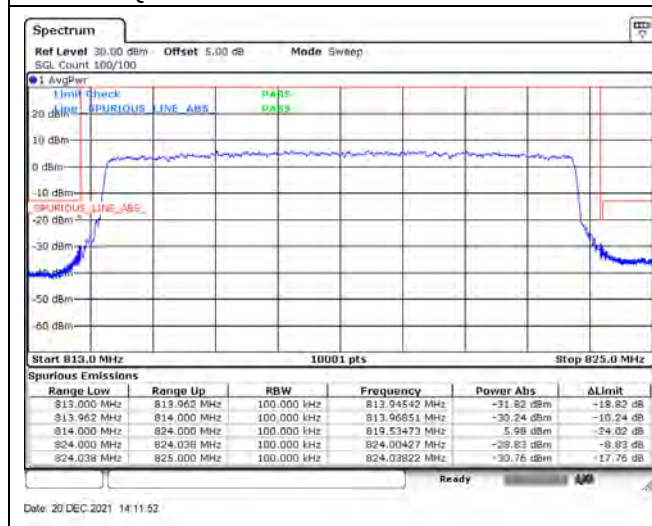
QPSK / CH26740 / 10 MHz / 1RB0



QPSK / CH26740 / 10 MHz / 1RB49

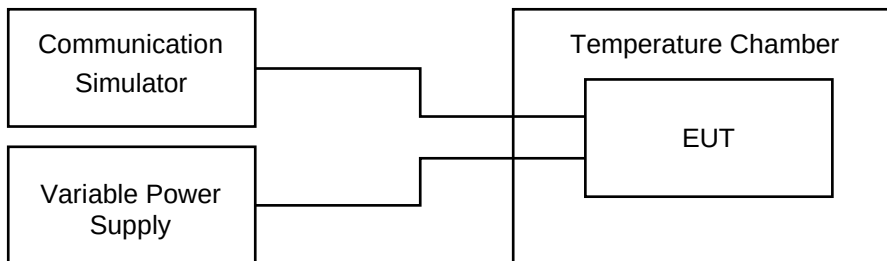


QPSK / CH26740 / 10 MHz / 50RB0



8. Frequency Stability

8.1. Test Setup



8.2. Test Procedure

Frequency Stability under Temperature Variations:

The EUT under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a communication simulator. The EUT was placed inside the temperature chamber. Set the EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Frequency Stability under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC or DC power supply to power the EUT and set the voltage to rated voltage. Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

8.3. Test Methodology and Reference Procedures

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI C63.26-2015

8.4. Test Result of Frequency Stability

Mode 1: LTE Band 2/25

LTE Band 25 / 1.4 MHz / 1850.7 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.62	0.0009
14.20	2.05	0.0011
10.20	2.38	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.70	0.0009
-30	2.22	0.0012
-20	0.99	0.0005
-10	1.47	0.0008
0	0.63	0.0003
10	1.06	0.0006
20	1.59	0.0009
30	1.67	0.0009
40	1.63	0.0009
50	1.59	0.0009
60	1.23	0.0007
70	1.21	0.0007
85	1.25	0.0007

LTE Band 25 / 1.4 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.80	0.0004
14.20	1.88	0.0010
10.20	0.86	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.03	0.0005
-30	0.89	0.0005
-20	1.73	0.0009
-10	1.66	0.0009
0	2.05	0.0011
10	0.66	0.0004
20	1.67	0.0009
30	1.06	0.0006
40	1.54	0.0008
50	2.31	0.0012
60	1.37	0.0007
70	0.83	0.0004
85	1.49	0.0008

LTE Band 25 / 1.4 MHz / 1914.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.21	0.0006
14.20	1.94	0.0010
10.20	1.61	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.02	0.0011
-30	1.61	0.0008
-20	1.66	0.0009
-10	0.97	0.0005
0	1.32	0.0007
10	1.13	0.0006
20	1.86	0.0010
30	2.03	0.0011
40	2.21	0.0012
50	1.28	0.0007
60	1.99	0.0010
70	2.25	0.0012
85	2.12	0.0011

LTE Band 25 / 3 MHz / 1851.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.08	0.0011
14.20	2.02	0.0011
10.20	1.86	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.37	0.0007
-30	1.70	0.0009
-20	1.93	0.0010
-10	1.71	0.0009
0	0.72	0.0004
10	1.43	0.0008
20	1.61	0.0009
30	2.19	0.0012
40	0.73	0.0004
50	1.91	0.0010
60	1.60	0.0009
70	1.40	0.0008
85	1.52	0.0008

LTE Band 25 / 3 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.45	0.0008
14.20	1.78	0.0009
10.20	0.74	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.78	0.0004
-30	1.22	0.0006
-20	1.50	0.0008
-10	1.72	0.0009
0	1.19	0.0006
10	0.38	0.0002
20	0.83	0.0004
30	1.35	0.0007
40	0.70	0.0004
50	1.56	0.0008
60	0.86	0.0005
70	1.23	0.0007
85	0.21	0.0001

LTE Band 25 / 3 MHz / 1913.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.52	0.0008
14.20	1.93	0.0010
10.20	1.84	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.47	0.0008
-30	0.93	0.0005
-20	0.77	0.0004
-10	0.88	0.0005
0	1.13	0.0006
10	0.91	0.0005
20	1.19	0.0006
30	1.41	0.0007
40	1.40	0.0007
50	1.81	0.0009
60	0.73	0.0004
70	1.35	0.0007
85	1.03	0.0005

LTE Band 25 / 5 MHz / 1852.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.66	0.0009
14.20	2.22	0.0012
10.20	1.56	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.95	0.0011
-30	1.91	0.0010
-20	0.82	0.0004
-10	2.36	0.0013
0	1.01	0.0005
10	2.22	0.0012
20	1.40	0.0008
30	2.45	0.0013
40	1.41	0.0008
50	1.63	0.0009
60	1.19	0.0006
70	1.75	0.0009
85	0.91	0.0005

LTE Band 25 / 5 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.58	0.0003
14.20	1.62	0.0009
10.20	0.86	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.88	0.0005
-30	0.43	0.0002
-20	0.22	0.0001
-10	0.84	0.0004
0	1.09	0.0006
10	1.61	0.0009
20	1.34	0.0007
30	1.15	0.0006
40	0.28	0.0001
50	2.02	0.0011
60	1.93	0.0010
70	0.43	0.0002
85	1.62	0.0009

LTE Band 25 / 5 MHz / 1912.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.94	0.0010
14.20	2.01	0.0011
10.20	1.55	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.76	0.0009
-30	1.38	0.0007
-20	1.58	0.0008
-10	0.65	0.0003
0	1.39	0.0007
10	1.74	0.0009
20	2.27	0.0012
30	0.32	0.0002
40	1.33	0.0007
50	0.67	0.0004
60	2.16	0.0011
70	0.87	0.0005
85	2.38	0.0012

LTE Band 25 / 10 MHz / 1855 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.36	0.0002
14.20	1.23	0.0007
10.20	0.27	0.0001

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.97	0.0005
-30	-0.53	-0.0003
-20	0.88	0.0005
-10	0.71	0.0004
0	0.82	0.0004
10	0.37	0.0002
20	-0.17	-0.0001
30	0.04	0.0000
40	1.29	0.0007
50	0.51	0.0003
60	-0.27	-0.0001
70	0.25	0.0001
85	1.03	0.0006

LTE Band 25 / 10 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.45	0.0008
14.20	1.68	0.0009
10.20	1.69	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.61	0.0009
-30	1.66	0.0009
-20	0.50	0.0003
-10	1.26	0.0007
0	1.03	0.0005
10	1.18	0.0006
20	1.59	0.0008
30	0.24	0.0001
40	2.14	0.0011
50	-0.01	0.0000
60	0.61	0.0003
70	1.47	0.0008
85	0.32	0.0002

LTE Band 25 / 10 MHz / 1910 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.70	0.0009
14.20	1.49	0.0008
10.20	1.39	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.35	0.0007
-30	0.07	0.0000
-20	1.03	0.0005
-10	0.85	0.0004
0	0.80	0.0004
10	1.47	0.0008
20	0.75	0.0004
30	1.69	0.0009
40	0.60	0.0003
50	0.92	0.0005
60	0.98	0.0005
70	1.13	0.0006
85	1.54	0.0008

LTE Band 25 / 15 MHz / 1857.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.05	0.0011
14.20	1.77	0.0010
10.20	1.47	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.95	0.0010
-30	1.69	0.0009
-20	0.66	0.0004
-10	1.02	0.0005
0	1.39	0.0007
10	2.12	0.0011
20	1.34	0.0007
30	1.46	0.0008
40	1.95	0.0010
50	1.44	0.0008
60	1.42	0.0008
70	1.62	0.0009
85	1.14	0.0006

LTE Band 25 / 15 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.55	0.0008
14.20	1.86	0.0010
10.20	1.57	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.27	0.0007
-30	1.66	0.0009
-20	1.34	0.0007
-10	1.67	0.0009
0	0.40	0.0002
10	1.55	0.0008
20	1.37	0.0007
30	1.71	0.0009
40	2.08	0.0011
50	1.01	0.0005
60	1.45	0.0008
70	1.17	0.0006
85	1.13	0.0006

LTE Band 25 / 15 MHz / 1907.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.05	0.0006
14.20	1.59	0.0008
10.20	1.21	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.13	0.0006
-30	0.96	0.0005
-20	1.55	0.0008
-10	0.71	0.0004
0	1.21	0.0006
10	-0.15	-0.0001
20	2.14	0.0011
30	1.05	0.0006
40	0.40	0.0002
50	1.90	0.0010
60	0.36	0.0002
70	2.36	0.0012
85	1.95	0.0010

LTE Band 25 / 20 MHz / 1860 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.87	0.0010
14.20	2.45	0.0013
10.20	2.35	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.57	0.0008
-30	2.23	0.0012
-20	1.87	0.0010
-10	1.14	0.0006
0	1.96	0.0011
10	1.95	0.0010
20	2.50	0.0013
30	1.43	0.0008
40	1.79	0.0010
50	1.85	0.0010
60	2.71	0.0015
70	1.57	0.0008
85	1.57	0.0008

LTE Band 25 / 20 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.00	0.0011
14.20	2.11	0.0011
10.20	1.60	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.50	0.0013
-30	1.60	0.0008
-20	1.55	0.0008
-10	1.88	0.0010
0	1.18	0.0006
10	2.45	0.0013
20	0.89	0.0005
30	1.80	0.0010
40	1.70	0.0009
50	1.74	0.0009
60	2.25	0.0012
70	1.35	0.0007
85	1.22	0.0006

LTE Band 25 / 20 MHz / 1905 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.77	0.0009
14.20	2.05	0.0011
10.20	1.76	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.03	0.0005
-30	2.06	0.0011
-20	1.68	0.0009
-10	2.12	0.0011
0	1.80	0.0009
10	1.90	0.0010
20	1.32	0.0007
30	1.46	0.0008
40	1.84	0.0010
50	0.69	0.0004
60	0.64	0.0003
70	1.61	0.0008
85	1.75	0.0009

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

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.48	0.0009
14.20	1.75	0.0010
10.20	0.42	0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.29	0.0002
-30	1.26	0.0007
-20	1.48	0.0009
-10	0.07	0.0000
0	1.40	0.0008
10	1.90	0.0011
20	2.21	0.0013
30	0.66	0.0004
40	2.00	0.0012
50	1.76	0.0010
60	0.95	0.0006
70	2.08	0.0012
85	1.34	0.0008

LTE Band 4 / 1.4 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.29	0.0007
14.20	2.01	0.0012
10.20	1.66	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.06	0.0006
-30	1.75	0.0010
-20	1.28	0.0007
-10	1.78	0.0010
0	1.69	0.0010
10	0.48	0.0003
20	0.37	0.0002
30	1.85	0.0011
40	1.45	0.0008
50	1.67	0.0010
60	1.29	0.0007
70	0.59	0.0003
85	1.26	0.0007

LTE Band 4 / 1.4 MHz / 1754.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.00	0.0006
14.20	1.23	0.0007
10.20	0.67	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.33	0.0008
-30	0.68	0.0004
-20	0.59	0.0003
-10	0.86	0.0005
0	1.01	0.0006
10	0.30	0.0002
20	0.57	0.0003
30	0.20	0.0001
40	0.88	0.0005
50	0.19	0.0001
60	0.90	0.0005
70	0.14	0.0001
85	1.16	0.0007

LTE Band 4 / 3 MHz / 1711.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.61	0.0009
14.20	2.41	0.0014
10.20	1.74	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.02	0.0012
-30	1.17	0.0007
-20	1.81	0.0011
-10	2.31	0.0013
0	2.43	0.0014
10	2.18	0.0013
20	1.39	0.0008
30	1.52	0.0009
40	1.80	0.0011
50	2.19	0.0013
60	3.07	0.0018
70	1.77	0.0010
85	1.89	0.0011

LTE Band 4 / 3 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.64	0.0009
14.20	2.23	0.0013
10.20	1.88	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.66	0.0010
-30	1.20	0.0007
-20	0.93	0.0005
-10	1.49	0.0009
0	1.77	0.0010
10	1.02	0.0006
20	1.68	0.0010
30	2.56	0.0015
40	1.13	0.0007
50	2.09	0.0012
60	2.45	0.0014
70	1.65	0.0010
85	1.79	0.0010

LTE Band 4 / 3 MHz / 1753.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.69	0.0010
14.20	2.19	0.0012
10.20	2.23	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.18	0.0012
-30	1.44	0.0008
-20	1.03	0.0006
-10	2.03	0.0012
0	0.69	0.0004
10	1.13	0.0006
20	1.76	0.0010
30	1.04	0.0006
40	1.60	0.0009
50	2.16	0.0012
60	0.92	0.0005
70	1.83	0.0010
85	0.43	0.0002

LTE Band 4 / 5 MHz / 1712.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.20	0.0007
14.20	1.30	0.0008
10.20	1.44	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.63	0.0010
-30	0.71	0.0004
-20	1.67	0.0010
-10	0.86	0.0005
0	1.14	0.0007
10	1.35	0.0008
20	0.38	0.0002
30	1.41	0.0008
40	1.70	0.0010
50	0.71	0.0004
60	1.37	0.0008
70	0.43	0.0003
85	0.14	0.0001

LTE Band 4 / 5 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.30	0.0008
14.20	1.54	0.0009
10.20	1.27	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.45	0.0003
-30	1.16	0.0007
-20	1.05	0.0006
-10	0.86	0.0005
0	1.51	0.0009
10	1.66	0.0010
20	1.30	0.0008
30	0.85	0.0005
40	1.09	0.0006
50	1.03	0.0006
60	1.55	0.0009
70	1.22	0.0007
85	1.88	0.0011

LTE Band 4 / 5 MHz / 1752.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.61	0.0003
14.20	1.47	0.0008
10.20	1.06	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.87	0.0011
-30	1.44	0.0008
-20	1.14	0.0007
-10	0.30	0.0002
0	1.10	0.0006
10	1.17	0.0007
20	0.26	0.0001
30	0.06	0.0000
40	0.94	0.0005
50	0.52	0.0003
60	0.54	0.0003
70	1.45	0.0008
85	1.13	0.0006

LTE Band 4 / 10 MHz / 1715 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.56	0.0009
14.20	2.17	0.0013
10.20	1.84	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.16	0.0013
-30	2.25	0.0013
-20	2.15	0.0013
-10	1.87	0.0011
0	1.60	0.0009
10	1.26	0.0007
20	2.46	0.0014
30	0.85	0.0005
40	2.06	0.0012
50	1.79	0.0010
60	1.84	0.0011
70	1.45	0.0008
85	2.14	0.0012

LTE Band 4 / 10 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.62	0.0009
14.20	1.91	0.0011
10.20	1.44	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.10	0.0012
-30	1.84	0.0011
-20	1.38	0.0008
-10	1.08	0.0006
0	0.59	0.0003
10	0.65	0.0004
20	1.24	0.0007
30	0.85	0.0005
40	0.88	0.0005
50	0.62	0.0004
60	1.95	0.0011
70	1.19	0.0007
85	1.31	0.0008

LTE Band 4 / 10 MHz / 1750 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.28	0.0007
14.20	2.12	0.0012
10.20	1.54	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.73	0.0010
-30	2.60	0.0015
-20	2.04	0.0012
-10	1.56	0.0009
0	1.29	0.0007
10	1.81	0.0010
20	0.83	0.0005
30	2.14	0.0012
40	1.15	0.0007
50	2.30	0.0013
60	1.76	0.0010
70	1.86	0.0011
85	1.70	0.0010

LTE Band 4 / 15 MHz / 1717.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.99	0.0012
14.20	2.62	0.0015
10.20	1.60	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.86	0.0011
-30	1.57	0.0009
-20	1.68	0.0010
-10	2.42	0.0014
0	2.35	0.0014
10	2.18	0.0013
20	1.68	0.0010
30	1.88	0.0011
40	1.84	0.0011
50	2.91	0.0017
60	2.34	0.0014
70	2.17	0.0013
85	1.71	0.0010

LTE Band 4 / 15 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.30	0.0008
14.20	2.22	0.0013
10.20	1.36	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.12	0.0006
-30	1.25	0.0007
-20	1.61	0.0009
-10	2.16	0.0012
0	2.10	0.0012
10	1.86	0.0011
20	2.23	0.0013
30	1.08	0.0006
40	1.82	0.0011
50	2.36	0.0014
60	1.63	0.0009
70	1.94	0.0011
85	1.47	0.0008

LTE Band 4 / 15 MHz / 1747.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.91	0.0011
14.20	2.08	0.0012
10.20	2.00	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.25	0.0007
-30	1.92	0.0011
-20	1.61	0.0009
-10	1.31	0.0007
0	1.68	0.0010
10	2.39	0.0014
20	1.42	0.0008
30	0.59	0.0003
40	1.46	0.0008
50	1.05	0.0006
60	0.81	0.0005
70	1.14	0.0007
85	0.74	0.0004

LTE Band 4 / 20 MHz / 1720 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.27	0.0007
14.20	1.98	0.0012
10.20	2.18	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.47	0.0009
-30	1.98	0.0012
-20	1.56	0.0009
-10	1.26	0.0007
0	1.37	0.0008
10	1.15	0.0007
20	1.36	0.0008
30	2.06	0.0012
40	1.84	0.0011
50	1.07	0.0006
60	1.70	0.0010
70	1.47	0.0009
85	1.00	0.0006

LTE Band 4 / 20 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.78	0.0010
14.20	2.01	0.0012
10.20	1.85	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.21	0.0007
-30	1.57	0.0009
-20	1.75	0.0010
-10	2.18	0.0013
0	1.57	0.0009
10	1.55	0.0009
20	1.10	0.0006
30	1.16	0.0007
40	1.66	0.0010
50	1.30	0.0008
60	2.29	0.0013
70	0.87	0.0005
85	1.19	0.0007

LTE Band 4 / 20 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.48	0.0008
14.20	1.88	0.0011
10.20	1.52	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.12	0.0006
-30	0.79	0.0005
-20	1.63	0.0009
-10	1.68	0.0010
0	1.50	0.0009
10	1.28	0.0007
20	0.47	0.0003
30	1.27	0.0007
40	1.12	0.0006
50	1.78	0.0010
60	0.87	0.0005
70	0.91	0.0005
85	0.78	0.0004

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

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.07	0.0025
14.20	2.24	0.0027
10.20	1.04	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.40	0.0029
-30	1.45	0.0018
-20	1.63	0.0020
-10	1.14	0.0014
0	1.46	0.0018
10	0.83	0.0010
20	1.94	0.0024
30	1.96	0.0024
40	0.84	0.0010
50	2.53	0.0031
60	2.08	0.0025
70	1.72	0.0021
85	2.11	0.0026

LTE Band 26 / 1.4 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.00	0.0024
14.20	2.18	0.0026
10.20	0.64	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.55	0.0019
-30	2.64	0.0032
-20	2.01	0.0024
-10	1.47	0.0018
0	0.61	0.0007
10	1.64	0.0020
20	1.26	0.0015
30	2.04	0.0024
40	1.92	0.0023
50	2.48	0.0030
60	1.43	0.0017
70	1.44	0.0017
85	0.59	0.0007

LTE Band 26 / 1.4 MHz / 848.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.72	0.0020
14.20	2.04	0.0024
10.20	1.48	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.63	0.0019
-30	0.65	0.0008
-20	1.91	0.0023
-10	1.39	0.0016
0	2.42	0.0029
10	2.45	0.0029
20	1.31	0.0015
30	1.30	0.0015
40	0.93	0.0011
50	2.06	0.0024
60	0.32	0.0004
70	1.80	0.0021
85	1.17	0.0014

LTE Band 26 / 3 MHz / 825.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.19	0.0014
14.20	1.41	0.0017
10.20	1.15	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.83	0.0010
-30	1.80	0.0022
-20	0.03	0.0000
-10	0.89	0.0011
0	1.20	0.0015
10	0.88	0.0011
20	0.53	0.0006
30	1.11	0.0013
40	1.31	0.0016
50	1.05	0.0013
60	0.36	0.0004
70	0.91	0.0011
85	1.13	0.0014

LTE Band 26 / 3 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.31	0.0016
14.20	1.08	0.0013
10.20	-0.52	-0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.61	0.0007
-30	0.10	0.0001
-20	0.64	0.0008
-10	-0.05	-0.0001
0	0.66	0.0008
10	1.11	0.0013
20	0.85	0.0010
30	1.57	0.0019
40	-0.40	-0.0005
50	0.54	0.0006
60	0.54	0.0006
70	1.13	0.0014
85	0.12	0.0001

LTE Band 26 / 3 MHz / 847.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.67	0.0008
14.20	1.19	0.0014
10.20	0.40	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.65	0.0008
-30	1.55	0.0018
-20	1.87	0.0022
-10	1.20	0.0014
0	0.47	0.0006
10	0.58	0.0007
20	0.46	0.0005
30	0.32	0.0004
40	-0.30	-0.0004
50	0.51	0.0006
60	1.25	0.0015
70	1.57	0.0019
85	0.54	0.0006

LTE Band 26 / 5 MHz / 826.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.54	0.0019
14.20	1.90	0.0023
10.20	1.86	0.0023

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.71	0.0021
-30	0.61	0.0007
-20	0.44	0.0005
-10	2.17	0.0026
0	1.11	0.0013
10	1.02	0.0012
20	2.26	0.0027
30	2.26	0.0027
40	2.05	0.0025
50	0.85	0.0010
60	0.48	0.0006
70	2.27	0.0027
85	1.22	0.0015

LTE Band 26 / 5 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.23	0.0027
14.20	2.41	0.0029
10.20	1.94	0.0023

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.70	0.0020
-30	1.40	0.0017
-20	2.85	0.0034
-10	1.44	0.0017
0	1.80	0.0022
10	1.41	0.0017
20	2.36	0.0028
30	2.05	0.0025
40	2.17	0.0026
50	2.02	0.0024
60	2.42	0.0029
70	2.01	0.0024
85	1.76	0.0021

LTE Band 26 / 5 MHz / 846.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.03	0.0024
14.20	2.18	0.0026
10.20	1.83	0.0022

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.65	0.0019
-30	2.61	0.0031
-20	1.69	0.0020
-10	1.50	0.0018
0	1.38	0.0016
10	1.51	0.0018
20	1.54	0.0018
30	2.02	0.0024
40	1.39	0.0016
50	1.96	0.0023
60	2.42	0.0029
70	1.16	0.0014
85	1.08	0.0013

LTE Band 26 / 10 MHz / 829 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.12	0.0026
14.20	2.11	0.0025
10.20	1.66	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.10	0.0025
-30	1.87	0.0023
-20	1.90	0.0023
-10	1.89	0.0023
0	2.41	0.0029
10	1.55	0.0019
20	2.00	0.0024
30	2.42	0.0029
40	1.60	0.0019
50	0.55	0.0007
60	1.65	0.0020
70	2.11	0.0025
85	0.82	0.0010

LTE Band 26 / 10 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.44	0.0017
14.20	1.59	0.0019
10.20	1.60	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.17	0.0002
-30	1.76	0.0021
-20	0.85	0.0010
-10	1.13	0.0014
0	1.70	0.0020
10	1.92	0.0023
20	1.49	0.0018
30	0.74	0.0009
40	1.56	0.0019
50	1.94	0.0023
60	0.83	0.0010
70	0.81	0.0010
85	1.06	0.0013

LTE Band 26 / 10 MHz / 844 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.26	0.0015
14.20	1.63	0.0019
10.20	1.42	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.74	0.0009
-30	0.66	0.0008
-20	1.09	0.0013
-10	1.23	0.0015
0	1.35	0.0016
10	1.16	0.0014
20	0.79	0.0009
30	0.90	0.0011
40	1.09	0.0013
50	-0.24	-0.0003
60	1.04	0.0012
70	0.60	0.0007
85	1.23	0.0015

LTE Band 26 / 15 MHz / 831.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.95	0.0011
14.20	1.54	0.0019
10.20	1.04	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.40	0.0017
-30	1.54	0.0019
-20	1.35	0.0016
-10	1.06	0.0013
0	1.40	0.0017
10	1.65	0.0020
20	1.34	0.0016
30	1.34	0.0016
40	0.74	0.0009
50	0.94	0.0011
60	1.40	0.0017
70	1.37	0.0016
85	1.48	0.0018

LTE Band 26 / 15 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.21	0.0014
14.20	1.35	0.0016
10.20	1.17	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	-0.02	0.0000
-30	0.87	0.0010
-20	0.99	0.0012
-10	0.46	0.0005
0	1.28	0.0015
10	0.62	0.0007
20	0.77	0.0009
30	1.63	0.0019
40	1.13	0.0014
50	0.88	0.0011
60	0.36	0.0004
70	1.42	0.0017
85	0.41	0.0005

LTE Band 26 / 15 MHz / 841.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.94	0.0011
14.20	1.42	0.0017
10.20	0.97	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.19	0.0002
-30	0.58	0.0007
-20	1.27	0.0015
-10	1.31	0.0016
0	0.57	0.0007
10	0.73	0.0009
20	1.87	0.0022
30	0.59	0.0007
40	0.80	0.0010
50	1.14	0.0014
60	1.29	0.0015
70	0.40	0.0005
85	1.02	0.0012

Mode 4: LTE Band 12**LTE Band 12 / 1.4 MHz / 699.7 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.46	0.0021
14.20	1.83	0.0026
10.20	1.16	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.62	0.0009
-30	2.66	0.0038
-20	0.75	0.0011
-10	1.55	0.0022
0	1.37	0.0020
10	1.29	0.0018
20	1.99	0.0028
30	0.66	0.0009
40	1.28	0.0018
50	1.39	0.0020
60	0.90	0.0013
70	1.72	0.0025
85	1.61	0.0023

LTE Band 12 / 1.4 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.32	0.0019
14.20	1.51	0.0021
10.20	0.77	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.17	0.0031
-30	0.14	0.0002
-20	0.72	0.0010
-10	1.38	0.0020
0	0.76	0.0011
10	0.80	0.0011
20	0.43	0.0006
30	0.61	0.0009
40	1.21	0.0017
50	0.50	0.0007
60	0.62	0.0009
70	1.13	0.0016
85	0.67	0.0009

LTE Band 12 / 1.4 MHz / 715.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.87	0.0026
14.20	1.60	0.0022
10.20	0.98	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.96	0.0013
-30	0.69	0.0010
-20	1.40	0.0020
-10	-0.15	-0.0002
0	1.25	0.0017
10	1.01	0.0014
20	0.51	0.0007
30	0.18	0.0003
40	1.39	0.0019
50	1.16	0.0016
60	1.50	0.0021
70	0.43	0.0006
85	0.18	0.0003

LTE Band 12 / 3 MHz / 700.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.36	0.0005
14.20	1.20	0.0017
10.20	1.18	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.49	0.0021
-30	1.14	0.0016
-20	1.33	0.0019
-10	0.64	0.0009
0	0.78	0.0011
10	-0.17	-0.0002
20	0.92	0.0013
30	2.07	0.0030
40	0.14	0.0002
50	1.52	0.0022
60	0.81	0.0012
70	1.60	0.0023
85	0.73	0.0010

LTE Band 12 / 3 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.28	0.0004
14.20	1.32	0.0019
10.20	0.97	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.84	0.0026
-30	0.32	0.0005
-20	0.98	0.0014
-10	0.14	0.0002
0	1.51	0.0021
10	0.61	0.0009
20	0.77	0.0011
30	-0.23	-0.0003
40	0.88	0.0012
50	1.39	0.0020
60	0.68	0.0010
70	1.25	0.0018
85	1.38	0.0020

LTE Band 12 / 3 MHz / 714.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.01	0.0014
14.20	1.05	0.0015
10.20	1.39	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.06	0.0015
-30	-0.08	-0.0001
-20	0.80	0.0011
-10	-0.04	-0.0001
0	1.06	0.0015
10	1.84	0.0026
20	0.63	0.0009
30	0.52	0.0007
40	0.10	0.0001
50	0.08	0.0001
60	1.29	0.0018
70	0.31	0.0004
85	-0.28	-0.0004

LTE Band 12 / 5 MHz / 701.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.26	0.0004
14.20	1.08	0.0015
10.20	0.15	0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.13	0.0002
-30	1.16	0.0017
-20	-0.10	-0.0001
-10	-0.39	-0.0006
0	1.31	0.0019
10	1.12	0.0016
20	-0.04	-0.0001
30	0.41	0.0006
40	0.66	0.0009
50	1.43	0.0020
60	1.34	0.0019
70	1.23	0.0018
85	0.51	0.0007

LTE Band 12 / 5 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.64	0.0023
14.20	1.39	0.0020
10.20	0.98	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.58	0.0022
-30	0.91	0.0013
-20	1.17	0.0017
-10	1.12	0.0016
0	1.06	0.0015
10	1.44	0.0020
20	1.04	0.0015
30	1.48	0.0021
40	0.80	0.0011
50	0.74	0.0010
60	0.66	0.0009
70	0.58	0.0008
85	0.16	0.0002

LTE Band 12 / 5 MHz / 713.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.68	0.0024
14.20	1.72	0.0024
10.20	1.01	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.65	0.0023
-30	1.51	0.0021
-20	0.78	0.0011
-10	0.98	0.0014
0	1.05	0.0015
10	1.36	0.0019
20	1.06	0.0015
30	1.17	0.0016
40	1.35	0.0019
50	1.57	0.0022
60	1.31	0.0018
70	1.79	0.0025
85	0.92	0.0013

LTE Band 12 / 10 MHz / 704 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.85	0.0026
14.20	2.10	0.0030
10.20	2.34	0.0033

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.52	0.0036
-30	1.95	0.0028
-20	2.03	0.0029
-10	2.19	0.0031
0	2.37	0.0034
10	1.77	0.0025
20	1.46	0.0021
30	0.81	0.0012
40	1.99	0.0028
50	1.15	0.0016
60	1.68	0.0024
70	2.73	0.0039
85	1.95	0.0028

LTE Band 12 / 10 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.76	0.0025
14.20	1.80	0.0025
10.20	1.40	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.30	0.0018
-30	0.95	0.0013
-20	1.48	0.0021
-10	0.98	0.0014
0	1.35	0.0019
10	1.52	0.0021
20	2.18	0.0031
30	1.18	0.0017
40	1.03	0.0015
50	1.48	0.0021
60	0.25	0.0004
70	1.22	0.0017
85	0.63	0.0009

LTE Band 12 / 10 MHz / 711 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.99	0.0014
14.20	1.75	0.0025
10.20	0.89	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.81	0.0011
-30	1.27	0.0018
-20	0.86	0.0012
-10	1.69	0.0024
0	1.16	0.0016
10	0.14	0.0002
20	1.44	0.0020
30	0.97	0.0014
40	0.82	0.0012
50	1.42	0.0020
60	1.59	0.0022
70	0.76	0.0011
85	1.60	0.0023

Mode 5: LTE Band 13**LTE Band 13 / 5 MHz / 779.5 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.82	0.0011
14.20	1.40	0.0018
10.20	0.32	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.67	0.0009
-30	0.26	0.0003
-20	0.83	0.0011
-10	1.13	0.0014
0	0.91	0.0012
10	1.15	0.0015
20	1.37	0.0018
30	0.85	0.0011
40	1.24	0.0016
50	1.10	0.0014
60	1.01	0.0013
70	1.58	0.0020
85	0.98	0.0013

LTE Band 13 / 5 MHz / 782 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.71	0.0009
14.20	1.32	0.0017
10.20	1.23	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.71	0.0022
-30	1.33	0.0017
-20	1.92	0.0025
-10	0.41	0.0005
0	1.06	0.0014
10	1.54	0.0020
20	0.35	0.0004
30	0.86	0.0011
40	-0.09	-0.0001
50	1.00	0.0013
60	0.72	0.0009
70	1.34	0.0017
85	1.74	0.0022

LTE Band 13 / 5 MHz / 784.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.40	0.0005
14.20	1.29	0.0016
10.20	0.55	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.44	0.0006
-30	0.89	0.0011
-20	0.95	0.0012
-10	1.60	0.0020
0	0.99	0.0013
10	-0.05	-0.0001
20	0.80	0.0010
30	0.46	0.0006
40	1.61	0.0021
50	-0.44	-0.0006
60	0.67	0.0009
70	1.10	0.0014
85	0.71	0.0009

LTE Band 13 / 10 MHz / 782 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.43	0.0018
14.20	2.08	0.0027
10.20	1.49	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.13	0.0014
-30	2.00	0.0026
-20	1.37	0.0018
-10	1.97	0.0025
0	1.47	0.0019
10	1.95	0.0025
20	0.97	0.0012
30	1.63	0.0021
40	1.99	0.0025
50	1.76	0.0023
60	2.55	0.0033
70	1.30	0.0017
85	1.58	0.0020

Mode 6: LTE Band 26 (Part 90)**LTE Band 26 / 1.4 MHz / 814.7 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.30	0.0016
14.20	1.37	0.0017
10.20	1.31	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.51	0.0006
-30	0.11	0.0001
-20	1.73	0.0021
-10	0.54	0.0007
0	0.66	0.0008
10	1.28	0.0016
20	0.80	0.0010
30	1.88	0.0023
40	1.30	0.0016
50	0.45	0.0006
60	0.39	0.0005
70	0.57	0.0007
85	0.53	0.0007

LTE Band 26 / 1.4 MHz / 819 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.74	0.0009
14.20	1.70	0.0021
10.20	1.10	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.88	0.0011
-30	1.58	0.0019
-20	1.27	0.0016
-10	0.45	0.0005
0	1.19	0.0015
10	0.46	0.0006
20	0.79	0.0010
30	1.23	0.0015
40	0.87	0.0011
50	0.91	0.0011
60	0.90	0.0011
70	0.67	0.0008
85	0.74	0.0009

LTE Band 26 / 1.4 MHz / 823.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.33	0.0016
14.20	1.22	0.0015
10.20	1.23	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.58	0.0007
-30	0.39	0.0005
-20	0.00	0.0000
-10	0.33	0.0004
0	1.06	0.0013
10	0.36	0.0004
20	-0.17	-0.0002
30	0.88	0.0011
40	1.24	0.0015
50	-0.08	-0.0001
60	1.15	0.0014
70	0.77	0.0009
85	0.90	0.0011

LTE Band 26 / 3 MHz / 815.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.05	0.0025
14.20	2.22	0.0027
10.20	1.57	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.06	0.0025
-30	1.42	0.0017
-20	1.64	0.0020
-10	1.76	0.0022
0	1.78	0.0022
10	1.80	0.0022
20	1.78	0.0022
30	1.81	0.0022
40	1.13	0.0014
50	2.23	0.0027
60	2.20	0.0027
70	2.94	0.0036
85	2.08	0.0026

LTE Band 26 / 3 MHz / 819 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.66	0.0020
14.20	2.10	0.0026
10.20	1.11	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.12	0.0026
-30	2.41	0.0029
-20	2.07	0.0025
-10	1.34	0.0016
0	1.60	0.0020
10	0.93	0.0011
20	0.99	0.0012
30	1.61	0.0020
40	1.55	0.0019
50	0.73	0.0009
60	1.51	0.0018
70	1.71	0.0021
85	1.71	0.0021

LTE Band 26 / 3 MHz / 822.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.10	0.0026
14.20	2.38	0.0029
10.20	1.77	0.0022

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.25	0.0015
-30	2.05	0.0025
-20	2.10	0.0026
-10	1.95	0.0024
0	1.75	0.0021
10	2.53	0.0031
20	2.10	0.0026
30	0.89	0.0011
40	2.16	0.0026
50	1.86	0.0023
60	0.67	0.0008
70	0.87	0.0011
85	1.71	0.0021

LTE Band 26 / 5 MHz / 816.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.19	0.0027
14.20	2.38	0.0029
10.20	2.17	0.0027

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.08	0.0025
-30	1.80	0.0022
-20	2.95	0.0036
-10	1.28	0.0016
0	2.19	0.0027
10	1.68	0.0021
20	1.95	0.0024
30	2.26	0.0028
40	2.32	0.0028
50	1.39	0.0017
60	1.91	0.0023
70	1.54	0.0019
85	1.95	0.0024

LTE Band 26 / 5 MHz / 819 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.28	0.0028
14.20	2.55	0.0031
10.20	2.68	0.0033

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.00	0.0012
-30	1.80	0.0022
-20	2.06	0.0025
-10	1.74	0.0021
0	2.12	0.0026
10	1.33	0.0016
20	1.51	0.0018
30	2.58	0.0032
40	2.00	0.0024
50	2.02	0.0025
60	0.97	0.0012
70	1.70	0.0021
85	2.13	0.0026

LTE Band 26 / 5 MHz / 821.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.80	0.0010
14.20	1.16	0.0014
10.20	0.46	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.90	0.0011
-30	0.41	0.0005
-20	0.55	0.0007
-10	0.17	0.0002
0	1.47	0.0018
10	1.59	0.0019
20	0.89	0.0011
30	0.78	0.0009
40	0.73	0.0009
50	0.24	0.0003
60	-0.15	-0.0002
70	0.13	0.0002
85	0.27	0.0003

LTE Band 26 / 10 MHz / 819 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.13	0.0026
14.20	2.33	0.0028
10.20	1.92	0.0023

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.03	0.0013
-30	1.98	0.0024
-20	2.96	0.0036
-10	1.75	0.0021
0	2.96	0.0036
10	2.11	0.0026
20	3.08	0.0038
30	1.74	0.0021
40	1.80	0.0022
50	2.06	0.0025
60	1.42	0.0017
70	2.29	0.0028
85	2.47	0.0030