

Mode 2: LTE Band 4 / 66

LTE Band 66_1710.7 MHz_1.4M_QPSK_1RB



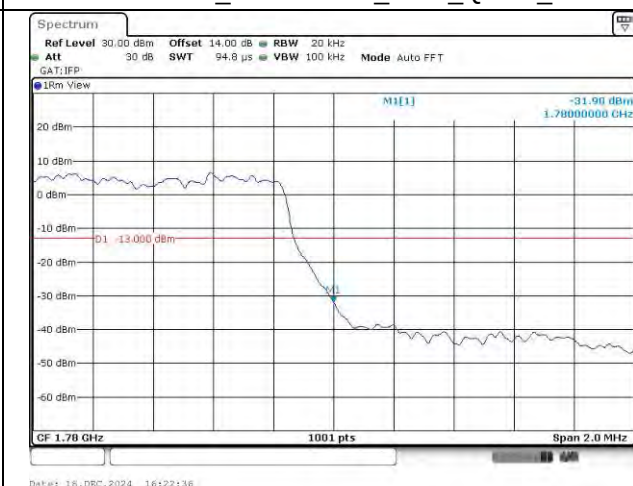
LTE Band 66_1710.7 MHz_1.4M_QPSK_FRB



LTE Band 66_1779.3 MHz_1.4M_QPSK_1RB



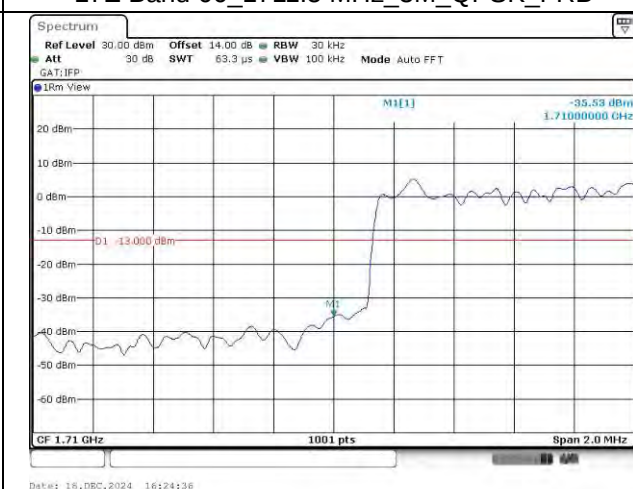
LTE Band 66_1779.3 MHz_1.4M_QPSK_FRB



LTE Band 66_1711.5 MHz_3M_QPSK_1RB



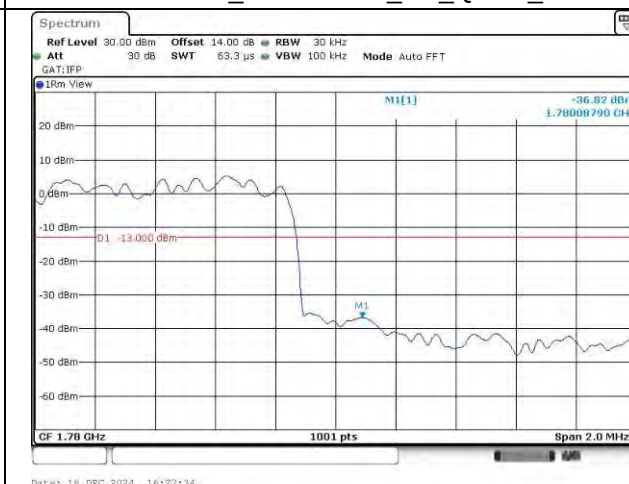
LTE Band 66_1711.5 MHz_3M_QPSK_FRB



LTE Band 66_1778.5 MHz_3M_QPSK_1RB



LTE Band 66_1778.5 MHz_3M_QPSK_FRB



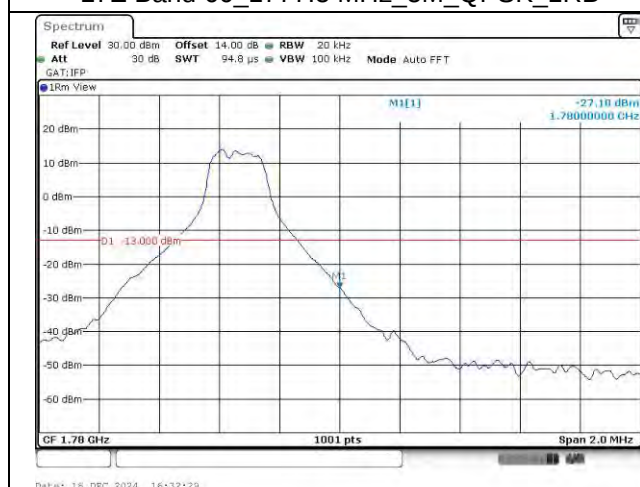
LTE Band 66_1712.5 MHz_5M_QPSK_1RB



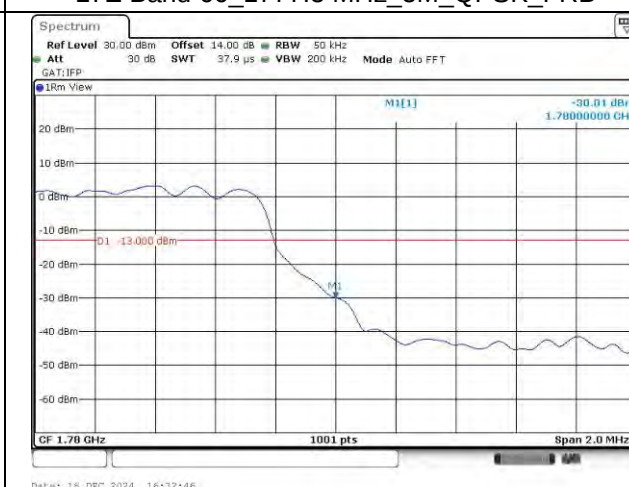
LTE Band 66_1712.5 MHz_5M_QPSK_FRB



LTE Band 66_1777.5 MHz_5M_QPSK_1RB



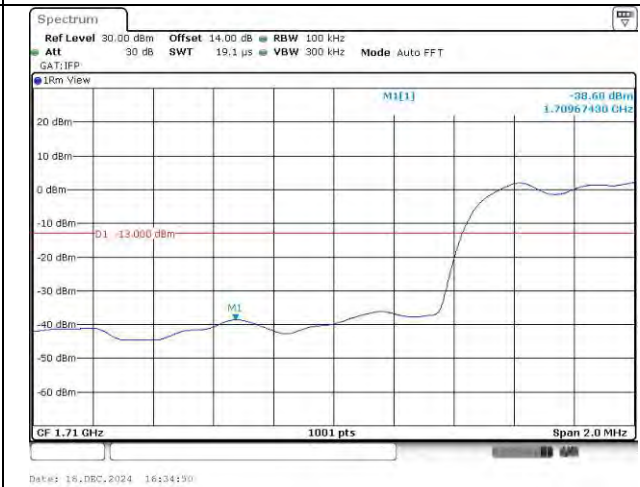
LTE Band 66_1777.5 MHz_5M_QPSK_FRB



LTE Band 66_1715 MHz_10M_QPSK_1RB



LTE Band 66_1715 MHz_10M_QPSK_FRB



LTE Band 66_1775 MHz_10M_QPSK_1RB



LTE Band 66_1775 MHz_10M_QPSK_FRB



LTE Band 66_1717.5 MHz_15M_QPSK_1RB



LTE Band 66_1717.5 MHz_15M_QPSK_FRB



LTE Band 66_1772.5 MHz_15M_QPSK_1RB



LTE Band 66_1772.5 MHz_15M_QPSK_FRB



LTE Band 66_1720 MHz_20M_QPSK_1RB



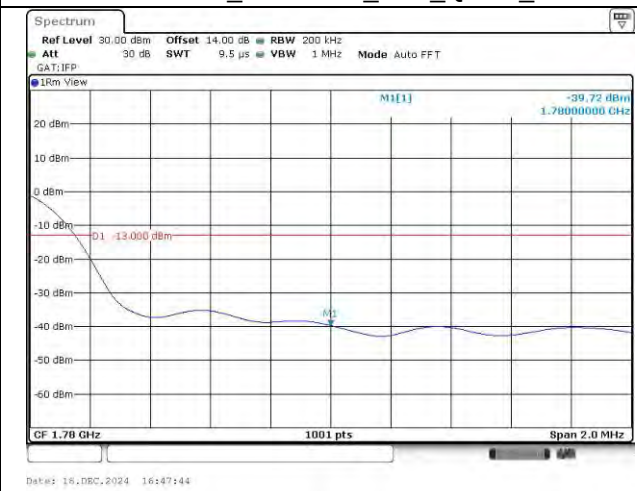
LTE Band 66_1720 MHz_20M_QPSK_FRB



LTE Band 66_1770 MHz_20M_QPSK_1RB

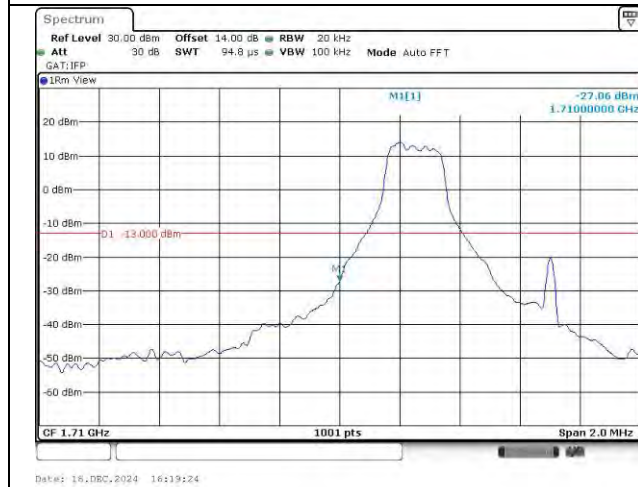


LTE Band 66_1770 MHz_20M_QPSK_FRB



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

LTE Band 22_1710.7 MHz_1.4M_QPSK_1RB



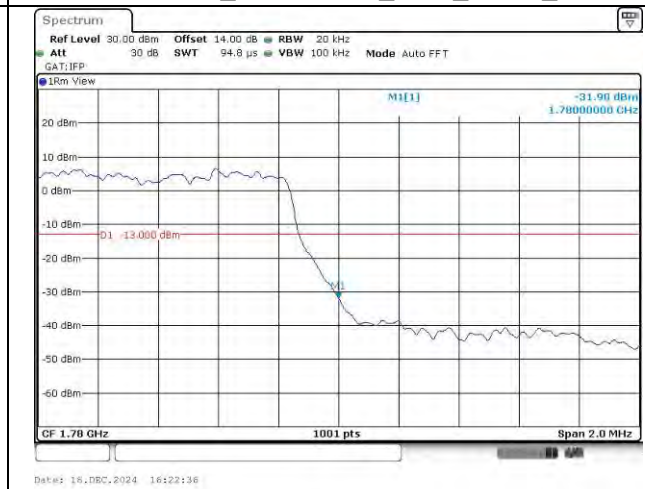
LTE Band 22_1710.7 MHz_1.4M_QPSK_FRB



LTE Band 22_1779.3 MHz_1.4M_QPSK_1RB



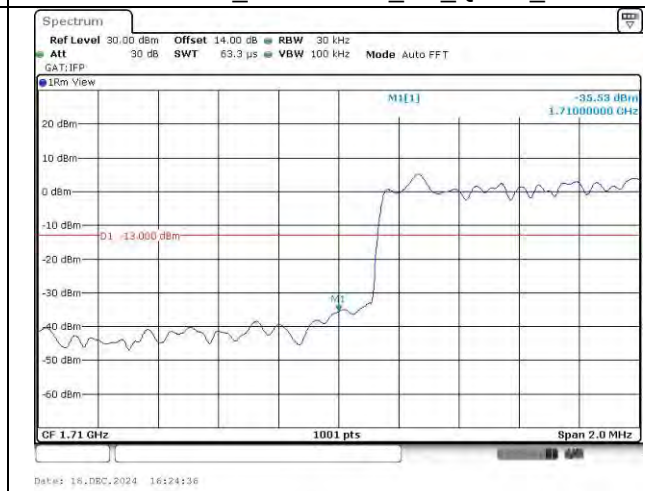
LTE Band 22_1779.3 MHz_1.4M_QPSK_FRB



LTE Band 22_1711.5 MHz_3M_QPSK_1RB



LTE Band 22_1711.5 MHz_3M_QPSK_FRB



LTE Band 22_1778.5 MHz_3M_QPSK_1RB



LTE Band 22_1778.5 MHz_3M_QPSK_FRB



LTE Band 22_1712.5 MHz_5M_QPSK_1RB



LTE Band 22_1712.5 MHz_5M_QPSK_FRB



LTE Band 22_1777.5 MHz_5M_QPSK_1RB



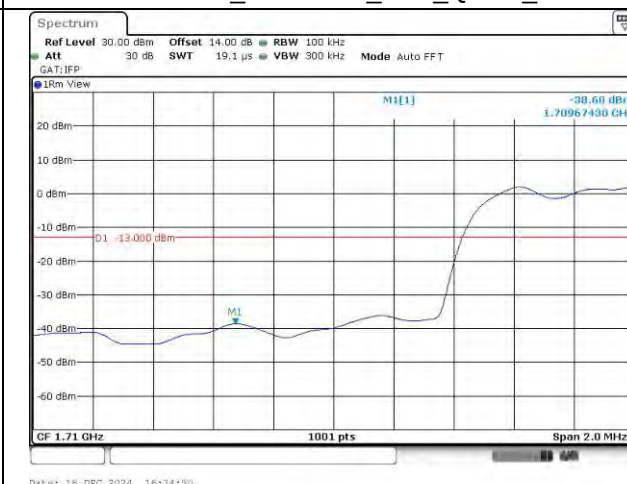
LTE Band 22_1777.5 MHz_5M_QPSK_FRB



LTE Band 22_1715 MHz_10M_QPSK_1RB



LTE Band 22_1715 MHz_10M_QPSK_FRB



LTE Band 22_1775 MHz_10M_QPSK_1RB



LTE Band 22_1775 MHz_10M_QPSK_FRB



LTE Band 22_1717.5 MHz_15M_QPSK_1RB



LTE Band 22_1717.5 MHz_15M_QPSK_FRB



LTE Band 22_1772.5 MHz_15M_QPSK_1RB



LTE Band 22_1772.5 MHz_15M_QPSK_FRB



LTE Band 22_1720 MHz_20M_QPSK_1RB



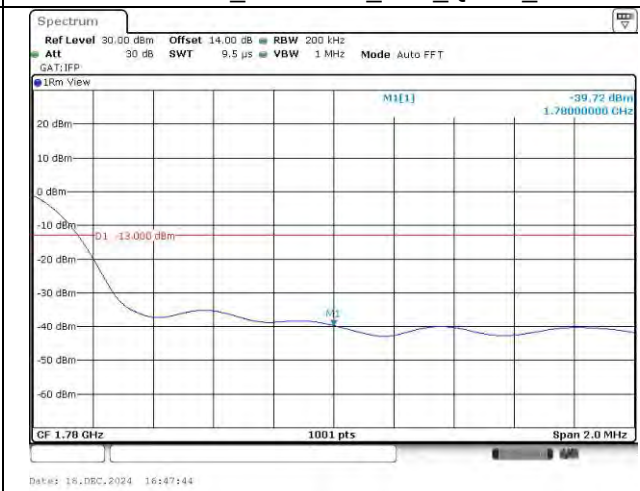
LTE Band 22_1720 MHz_20M_QPSK_FRB



LTE Band 22_1770 MHz_20M_QPSK_1RB

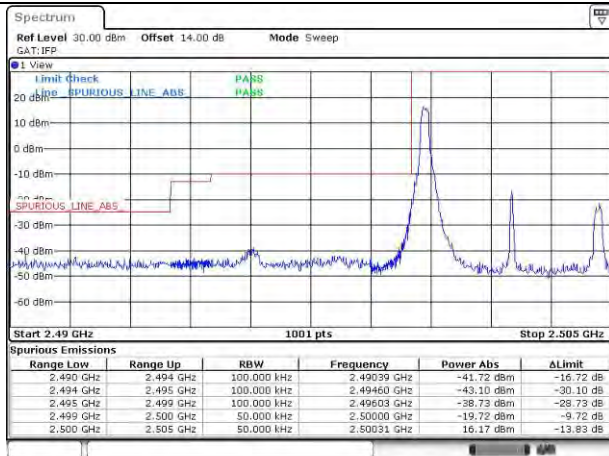


LTE Band 22_1770 MHz_20M_QPSK_FRB

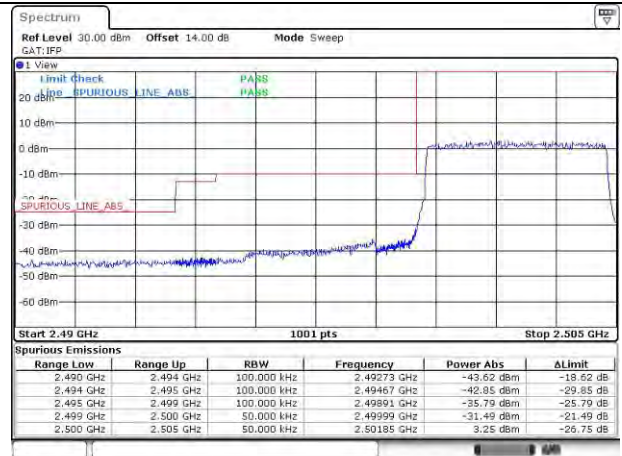


Mode 4: LTE Band 7

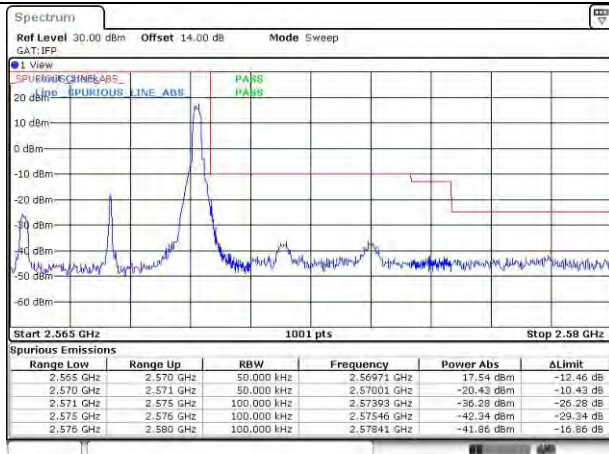
LTE Band 7_2502.5 MHz_5M_QPSK_1RB



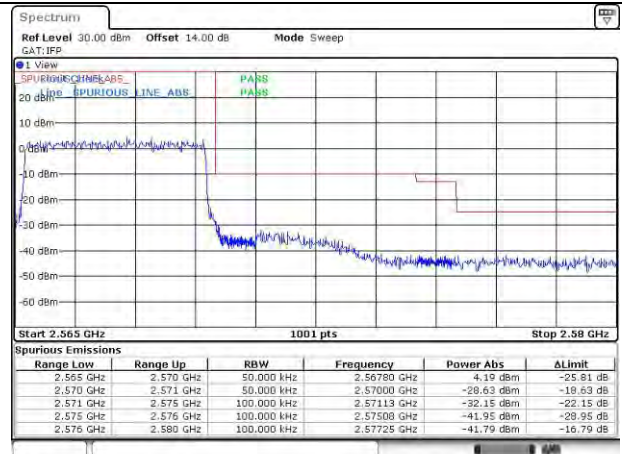
LTE Band 7_2502.5 MHz_5M_QPSK_FRB



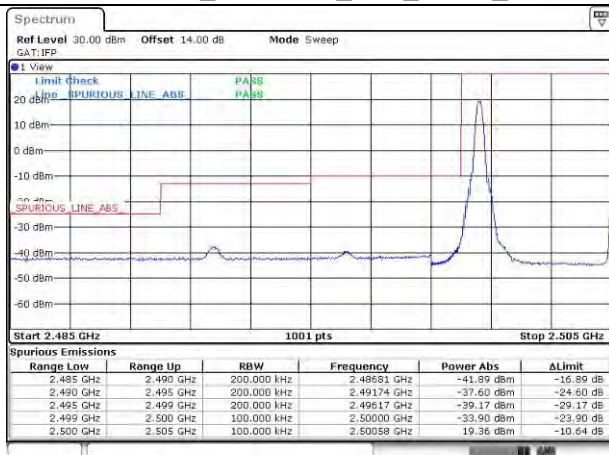
LTE Band 7_2567.5 MHz_5M_QPSK_1RB



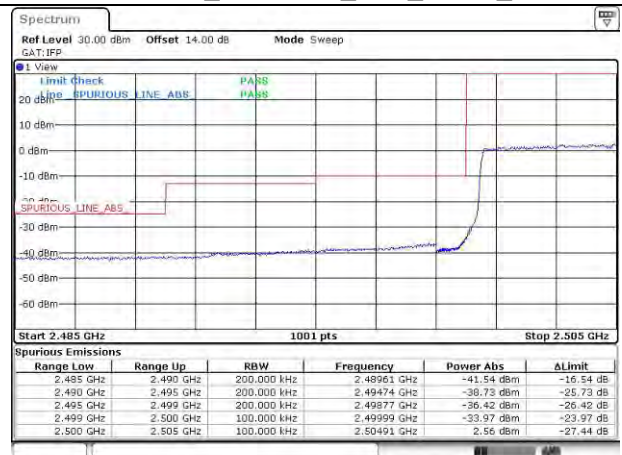
LTE Band 7_2567.5 MHz_5M_QPSK_FRB



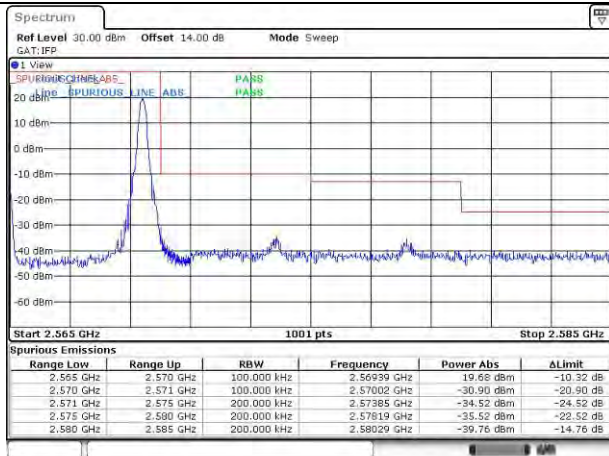
LTE Band 7_2505 MHz_10M_QPSK_1RB



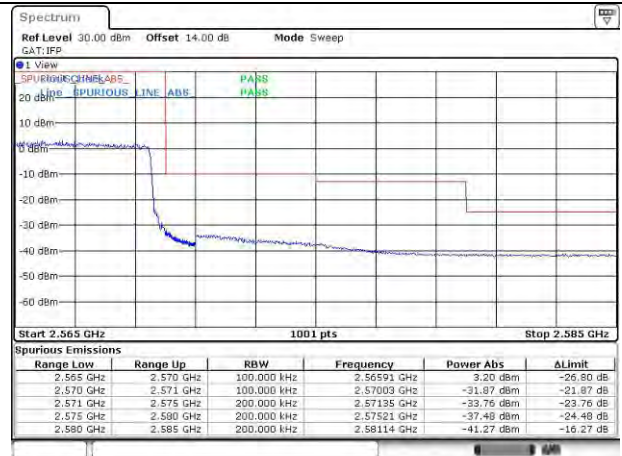
LTE Band 7_2505 MHz_10M_QPSK_FRB



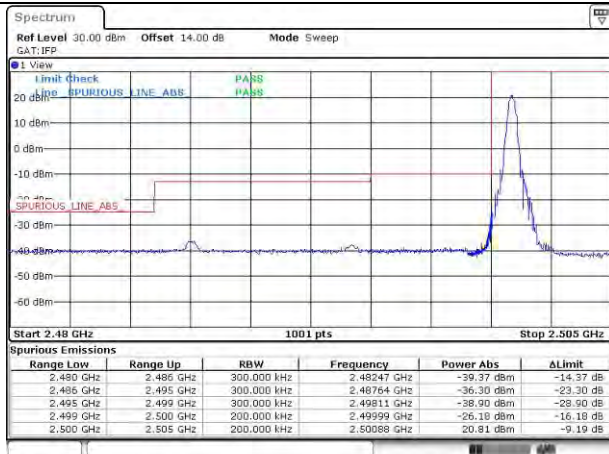
LTE Band 7_2565 MHz_10M_QPSK_1RB



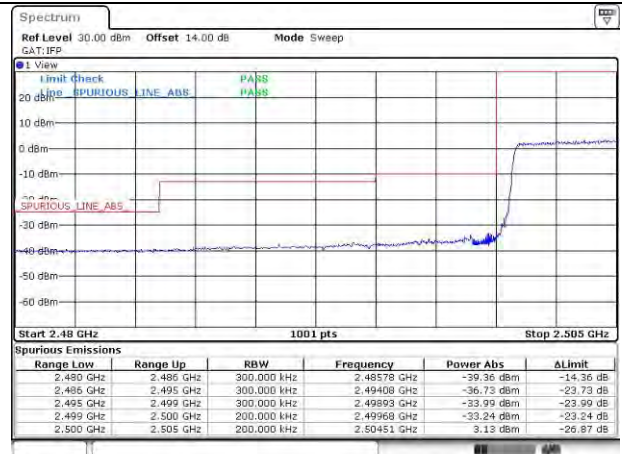
LTE Band 7_2565 MHz_10M_QPSK_FRB



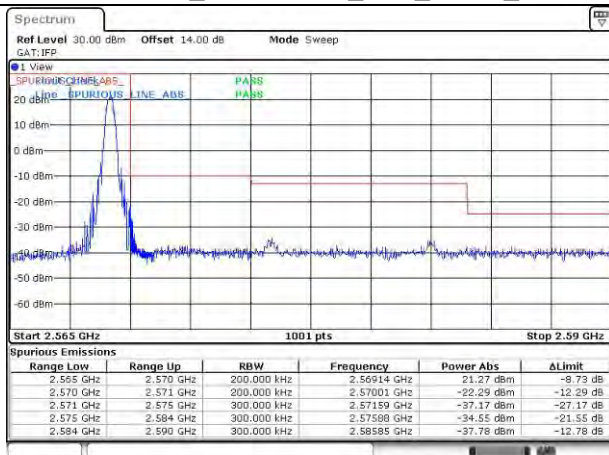
LTE Band 7_2507.5 MHz_15M_QPSK_1RB



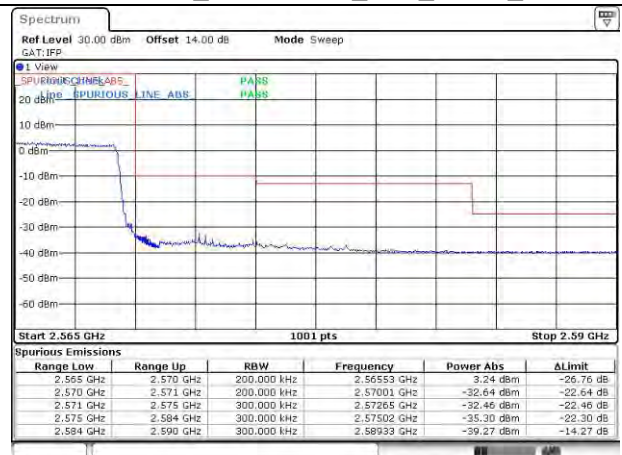
LTE Band 7_2507.5 MHz_15M_QPSK_FRB



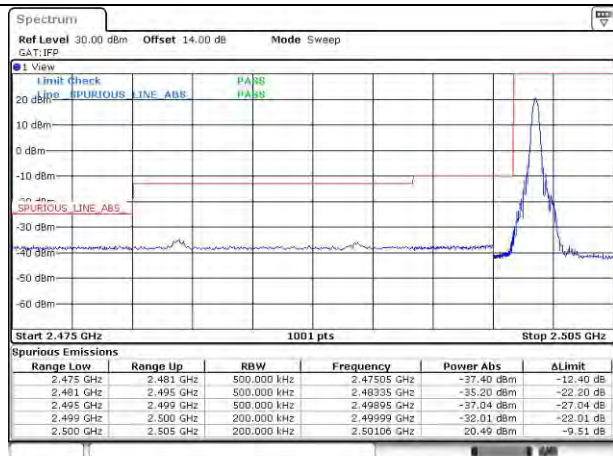
LTE Band 7_2562.5 MHz_15M_QPSK_1RB



LTE Band 7_2562.5 MHz_15M_QPSK_FRB

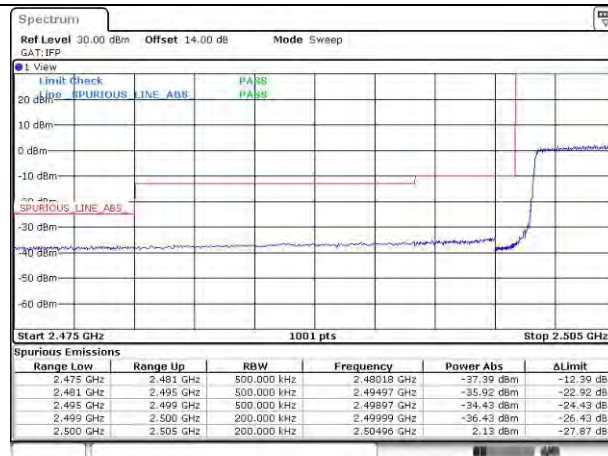


LTE Band 7_2510 MHz_20M_QPSK_1RB



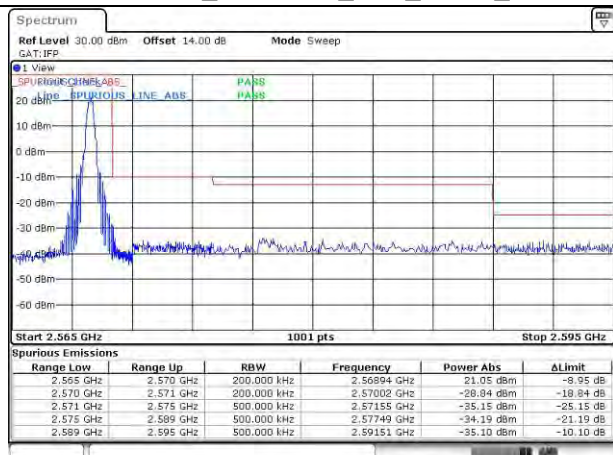
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LTE Band 7_2510 MHz_20M_QPSK_FRB



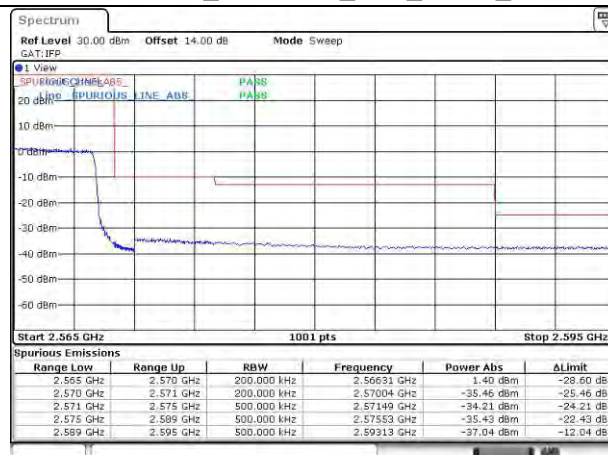
Date: 16.DEC.2024 19:24:12

LTE Band 7_2560 MHz_20M_QPSK_1RB



Date: 16.DEC.2024 19:27:19

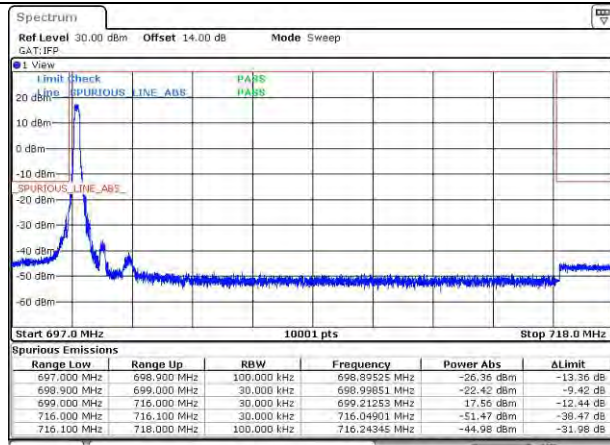
LTE Band 7_2560 MHz_20M_QPSK_FRB



Date: 16.DEC.2024 19:27:42

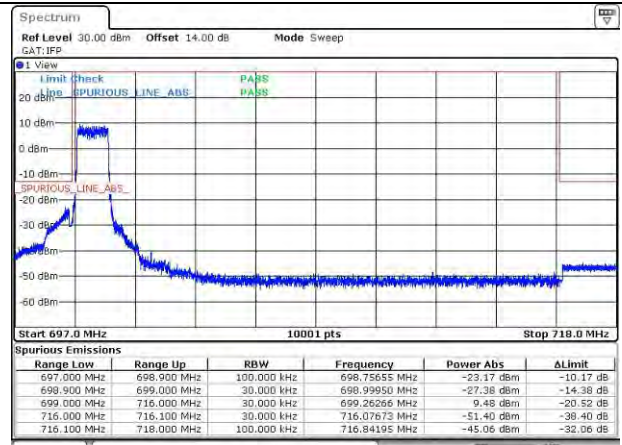
Mode 5: LTE Band 12

LTE Band 12_699.7 MHz_1.4M_QPSK_1RB



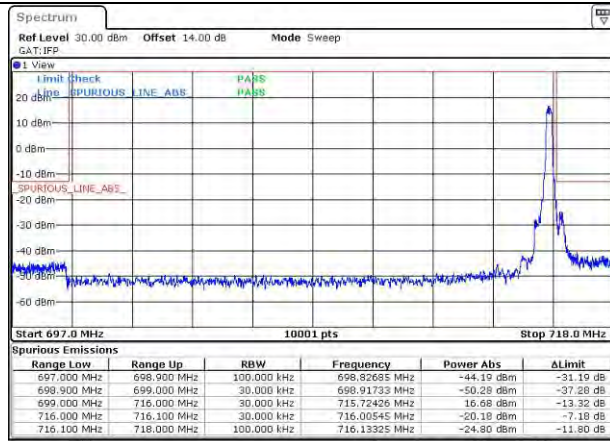
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LTE Band 12_699.7 MHz_1.4M_QPSK_FRB



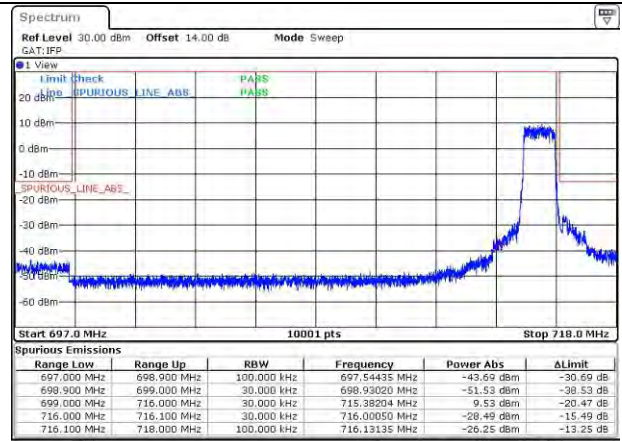
Date: 16.DEC.2024 13:12:19

LTE Band 12_715.3 MHz_1.4M_QPSK_1RB



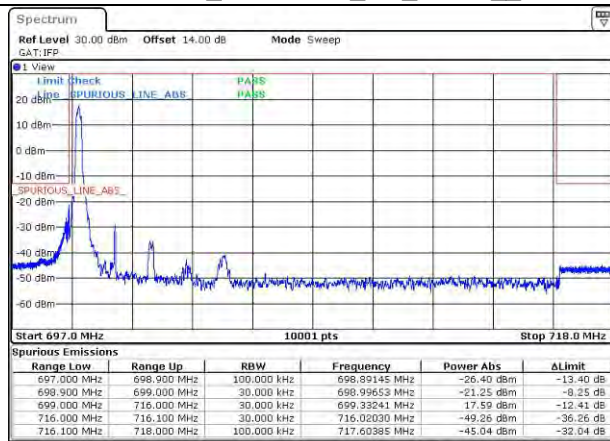
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LTE Band 12_715.3 MHz_1.4M_QPSK_FRB



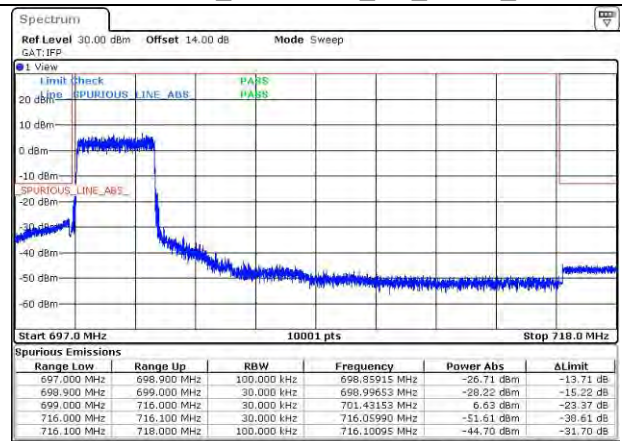
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LTE Band 12_700.5 MHz_3M_QPSK_1RB



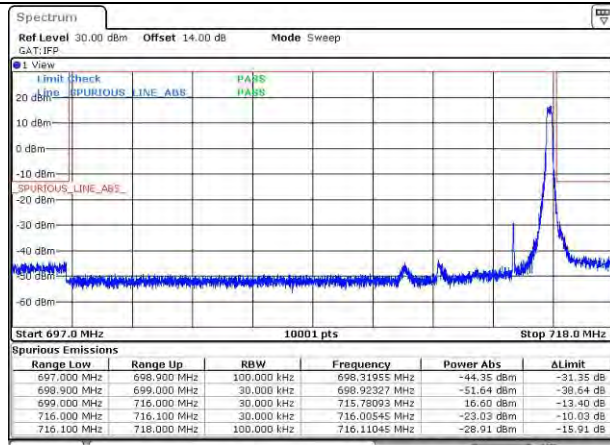
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LTE Band 12_700.5 MHz_3M_QPSK_FRB



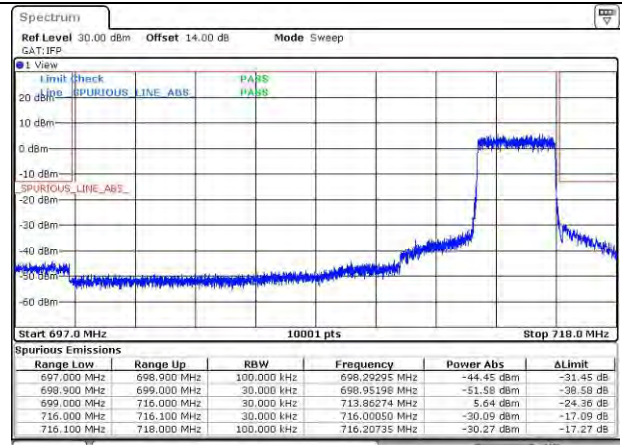
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LTE Band 12_714.5 MHz_3M_QPSK_1RB



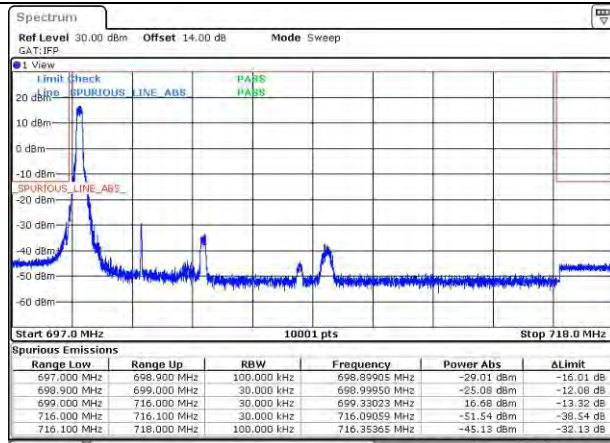
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LTE Band 12_714.5 MHz_3M_QPSK_FRB



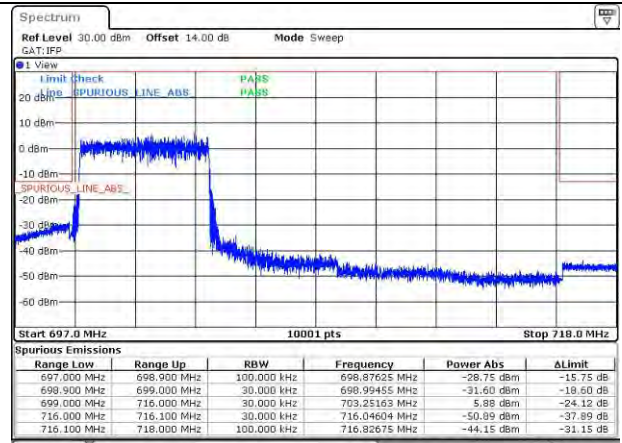
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LTE Band 12_701.5 MHz_5M_QPSK_1RB



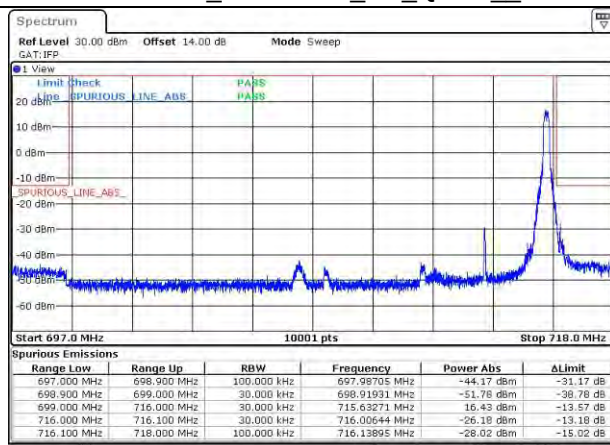
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LTE Band 12_701.5 MHz_5M_QPSK_FRB



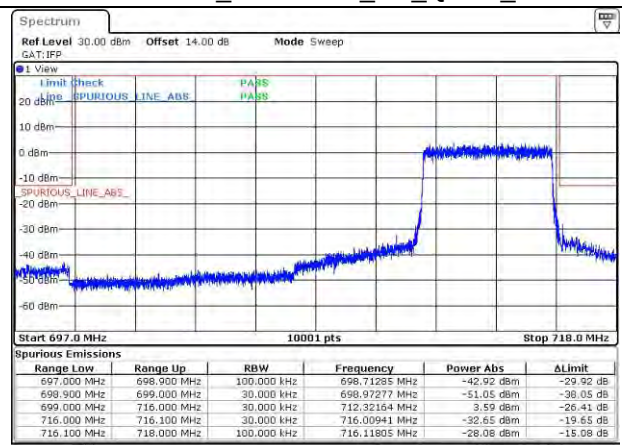
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LTE Band 12_713.5 MHz_5M_QPSK_1RB



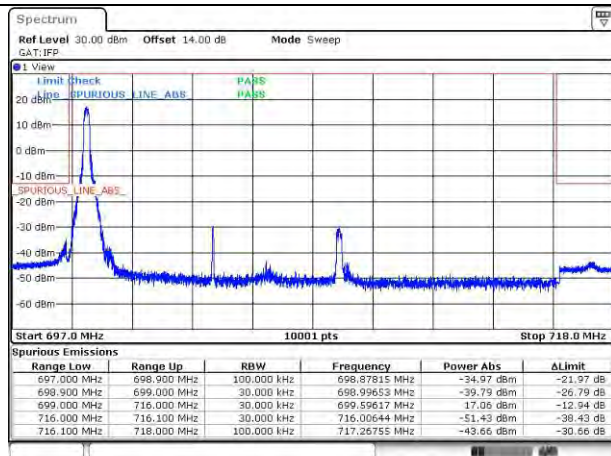
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LTE Band 12_713.5 MHz_5M_QPSK_FRB

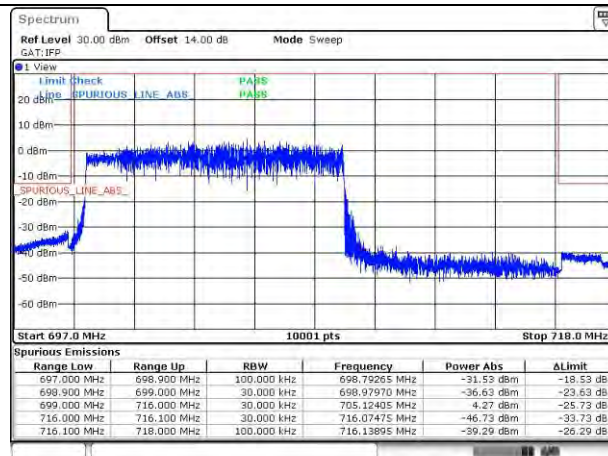


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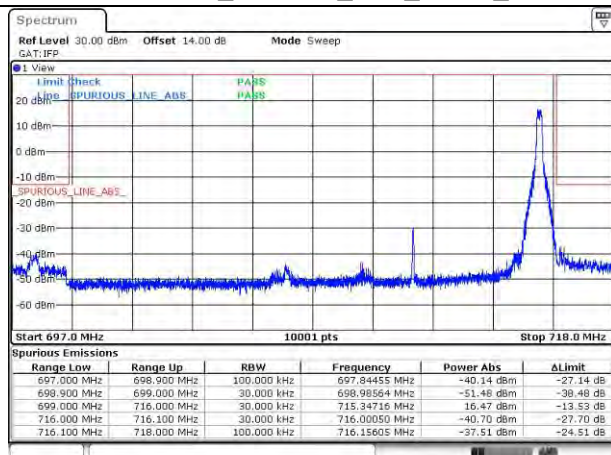
LTE Band 12_704 MHz_10M_QPSK_1RB



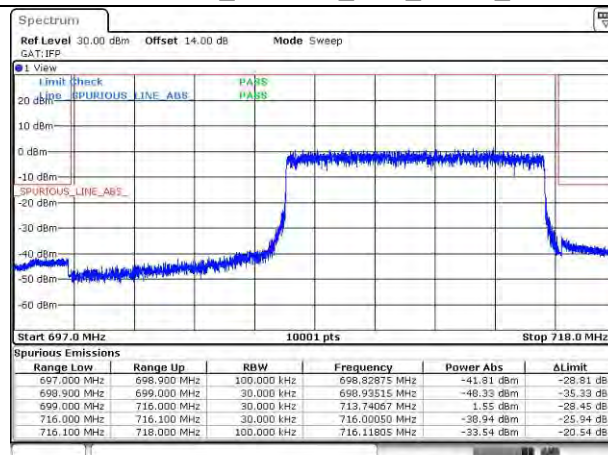
LTE Band 12_704 MHz_10M_QPSK_FRB



LTE Band 12_711 MHz_10M_QPSK_1RB

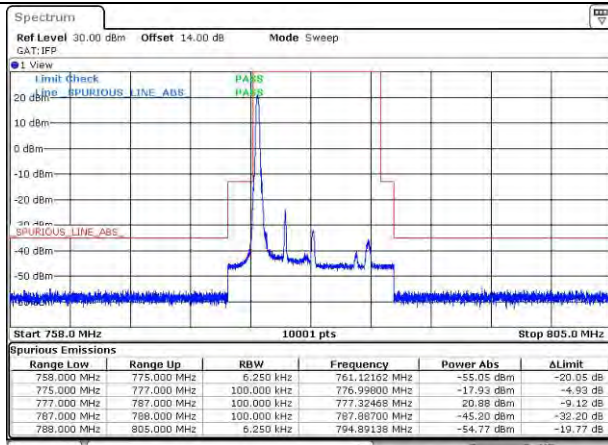


LTE Band 12_711 MHz_10M_QPSK_FRB



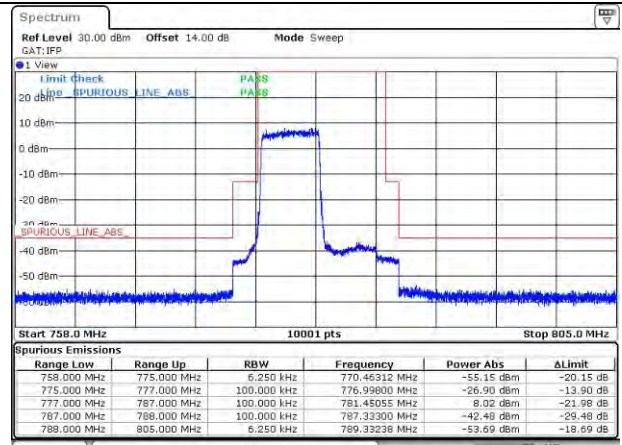
Mode 6: LTE Band 13

LTE Band 13_779.5 MHz_5M_QPSK_1RB



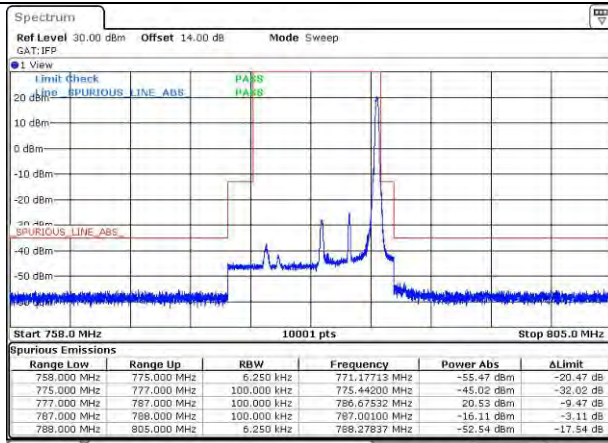
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LTE Band 13_779.5 MHz_5M_QPSK_FRB



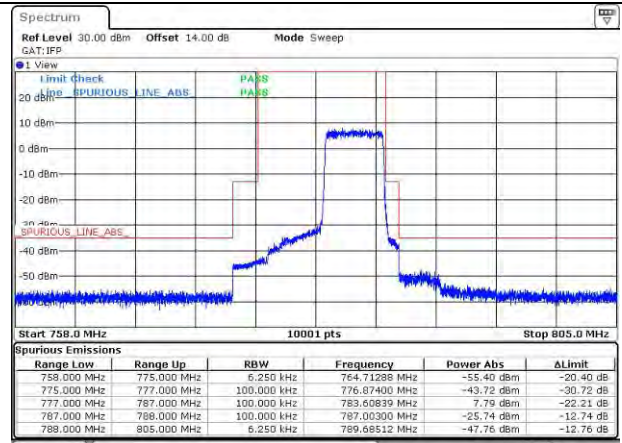
Date: 16, DEC, 2024 13:49:00

LTE Band 13_784.5 MHz_5M_QPSK_1RB



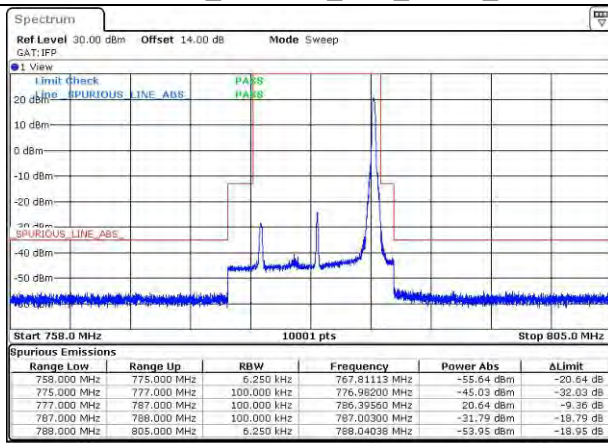
Date: 16, DEC, 2024 13:54:00

LTE Band 13_784.5 MHz_5M_QPSK_FRB



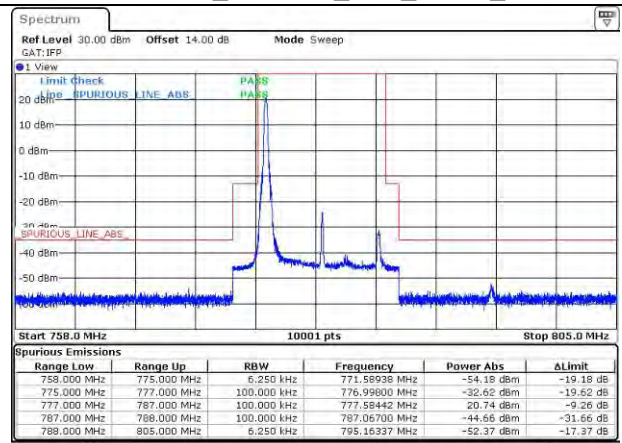
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LTE Band 13_782 MHz_10M_QPSK_1RBH



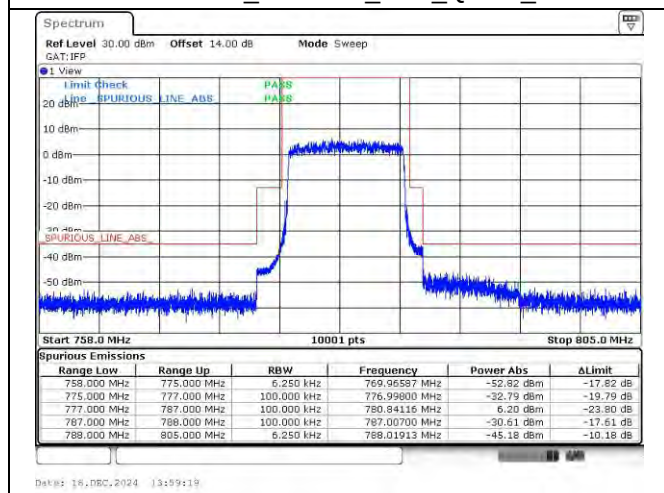
Date: 16, DEC, 2024 13:58:58

LTE Band 13_782 MHz_10M_QPSK_1RBL



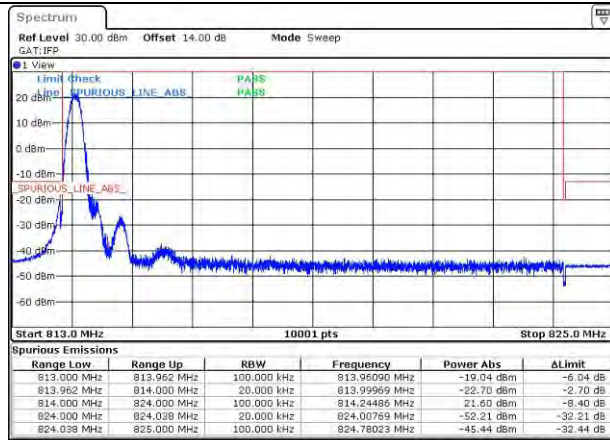
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LTE Band 13_782 MHz_10M_QPSK_FRB



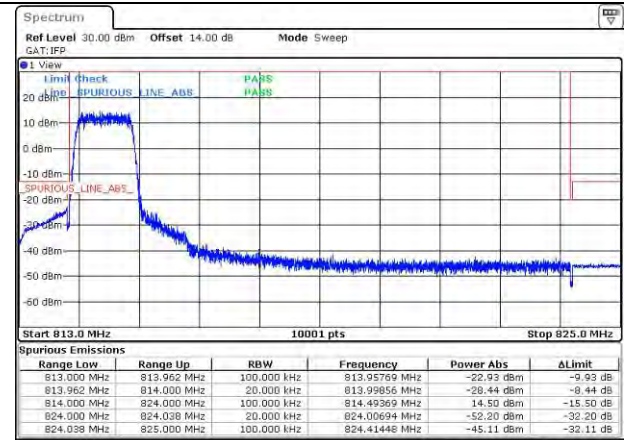
Mode 7: LTE Band 26 (Part 90)

LTE Band 26_814.7 MHz_1.4M_QPSK_1RB



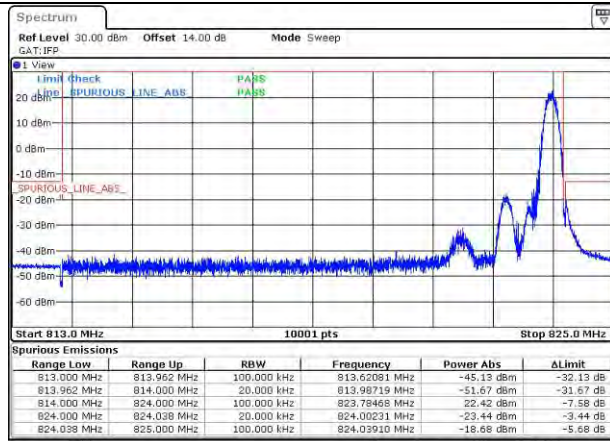
Date: 16.DEC.2024 13:39:52

LTE Band 26_814.7 MHz_1.4M_QPSK_FRB



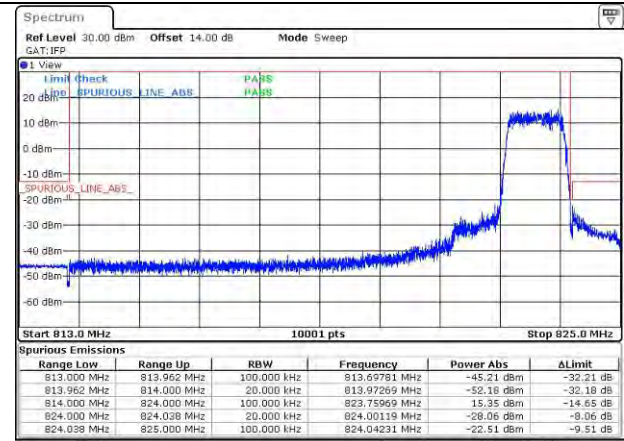
Date: 16.DEC.2024 13:40:14

LTE Band 26_823.3 MHz_1.4M_QPSK_1RB



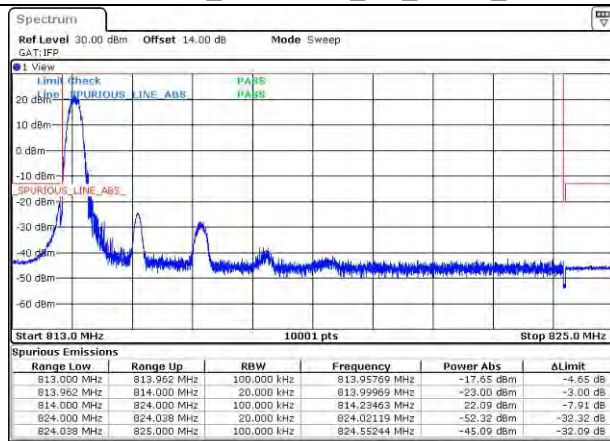
Date: 16.DEC.2024 13:51:01

LTE Band 26_823.3 MHz_1.4M_QPSK_FRB



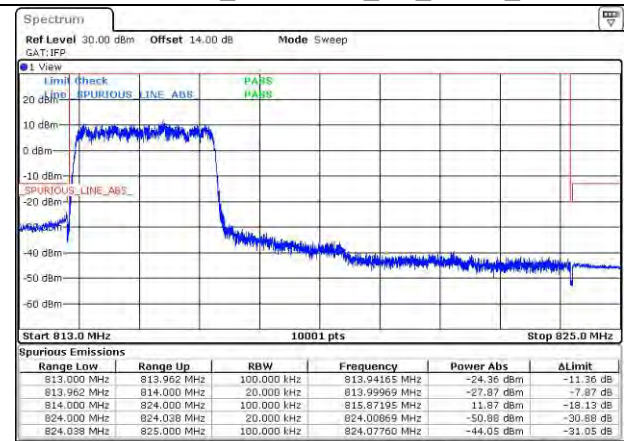
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LTE Band 26_815.5 MHz_3M_QPSK_1RB0



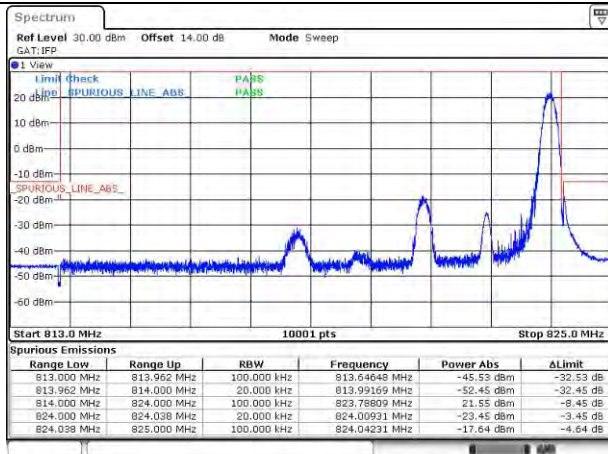
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LTE Band 26_815.5 MHz_3M_QPSK_FRB



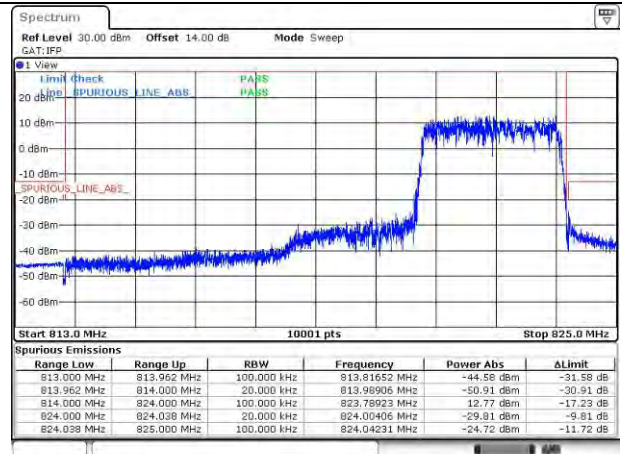
Date: 16.DEC.2024 13:54:18

LTE Band 26_822.5 MHz_3M_QPSK_1RB



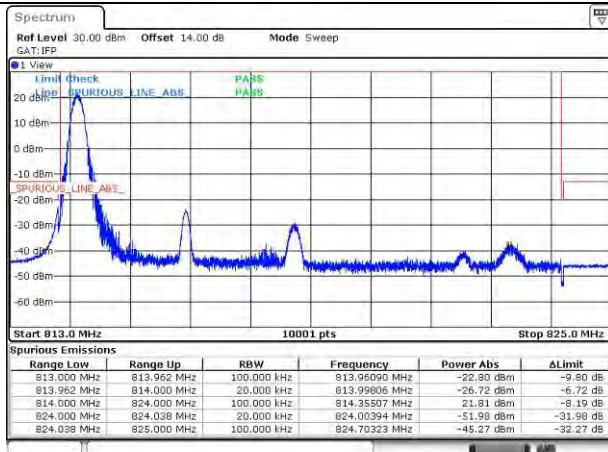
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LTE Band 26_822.5 MHz_3M_QPSK_FRB



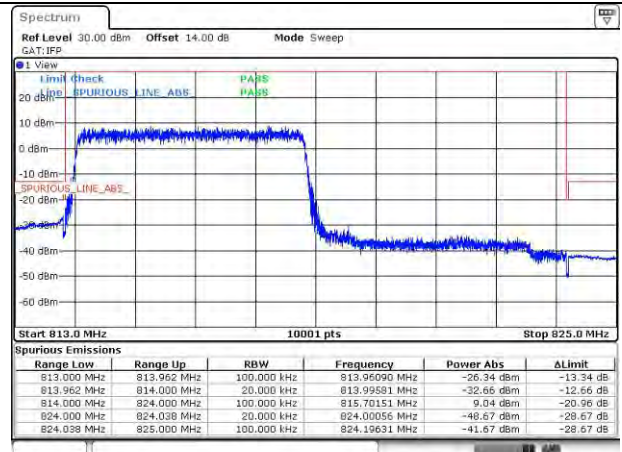
Date: 16.DEC.2024 15:57:45

LTE Band 26_816.5 MHz_5M_QPSK_1RB



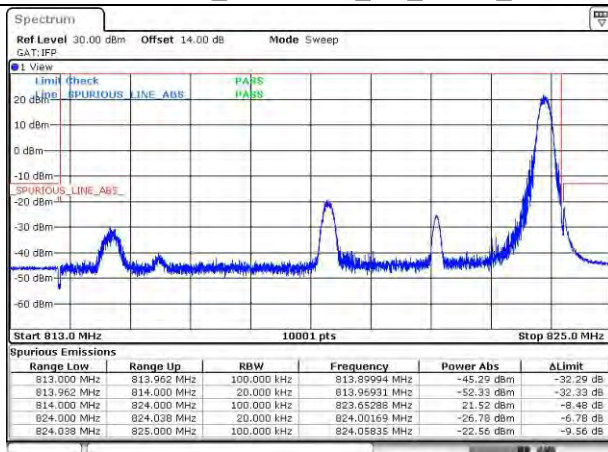
Date: 16.DEC.2024 15:59:54

LTE Band 26_816.5 MHz_5M_QPSK_FRB



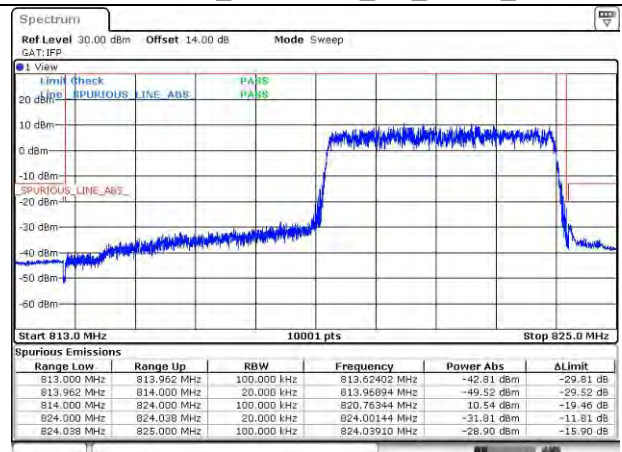
Date: 16.DEC.2024 16:00:16

LTE Band 26_821.5 MHz_5M_QPSK_1RB



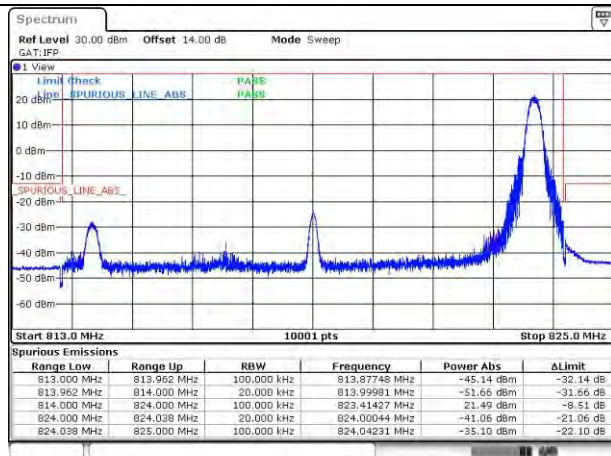
Date: 16.DEC.2024 16:03:07

LTE Band 26_821.5 MHz_5M_QPSK_FRB



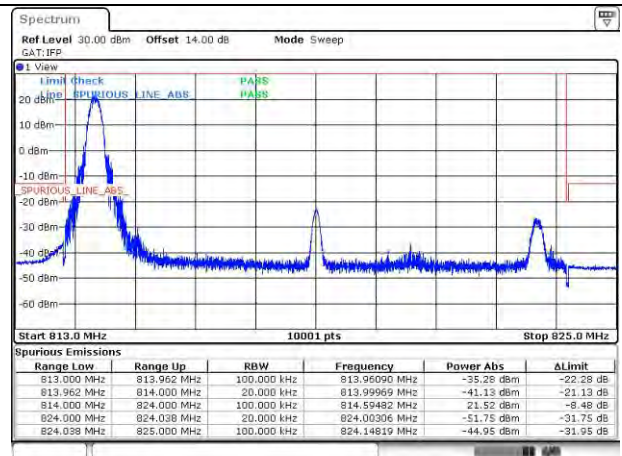
Date: 16.DEC.2024 16:03:30

LTE Band 26_819 MHz_10M_QPSK_1RBH



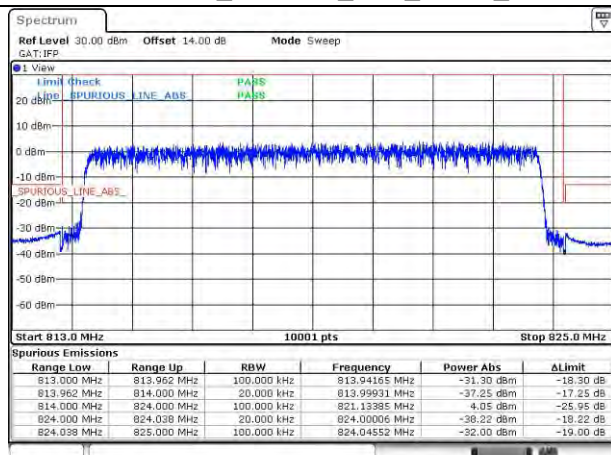
Date: 16.DEC.2024 16:07:22

LTE Band 26_819 MHz_10M_QPSK_FRBL



Date: 16.DEC.2024 16:05:30

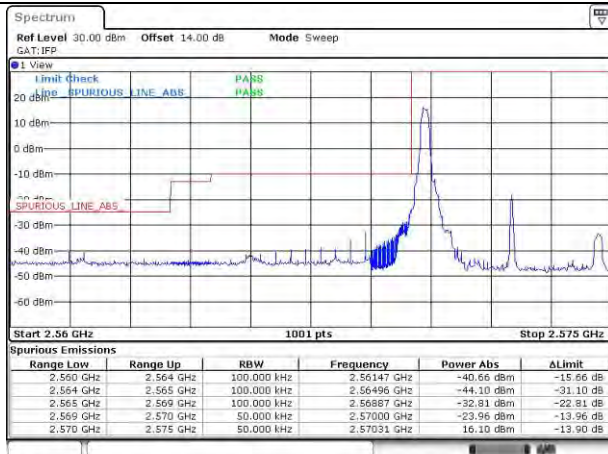
LTE Band 26_819 MHz_10M_QPSK_FRB



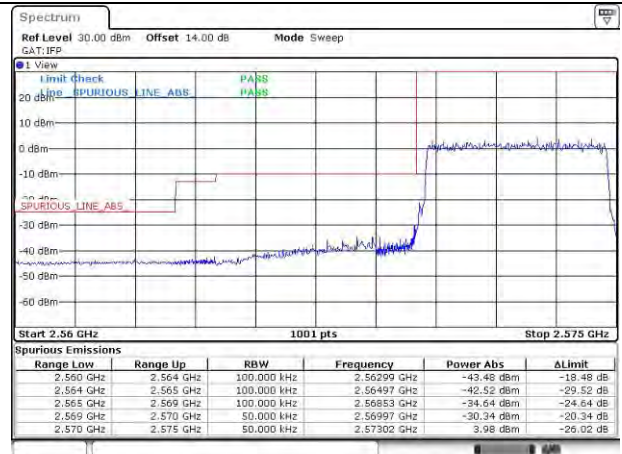
Date: 16.DEC.2024 16:07:40

Mode 8: LTE Band 38

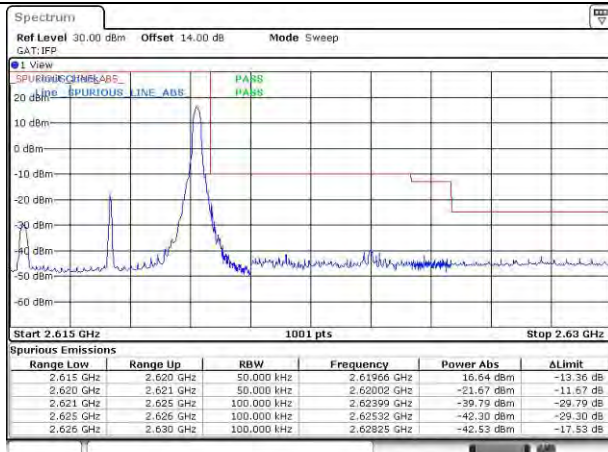
LTE Band 38_2572.5 MHz_5M_QPSK_1RB



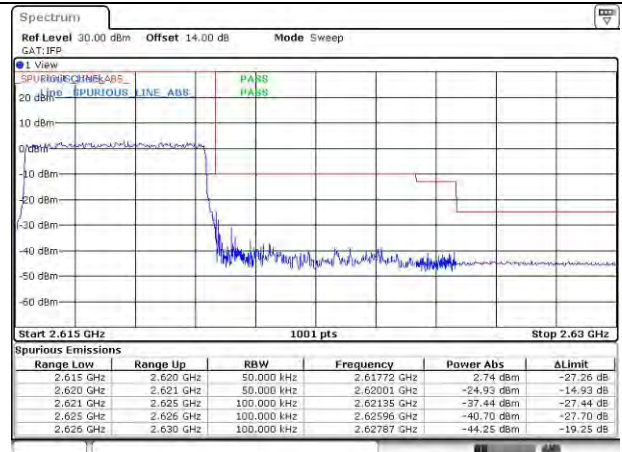
LTE Band 38_2572.5 MHz_5M_QPSK_FRB



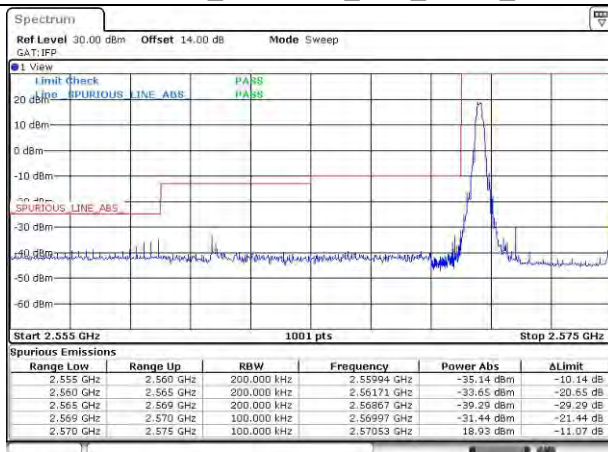
LTE Band 38_2617.5 MHz_5M_QPSK_1RB



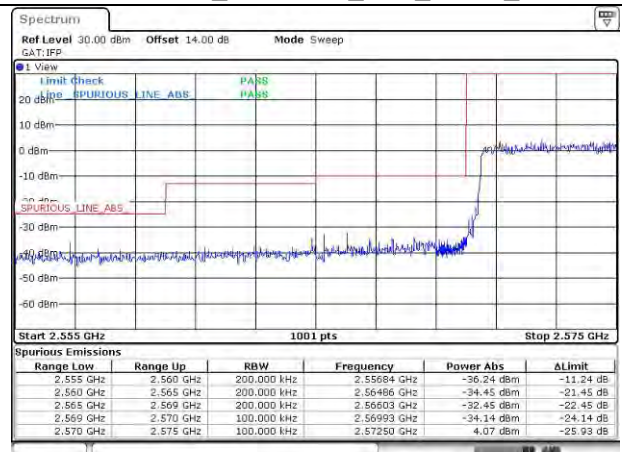
LTE Band 38_2617.5 MHz_3M_QPSK_FRB



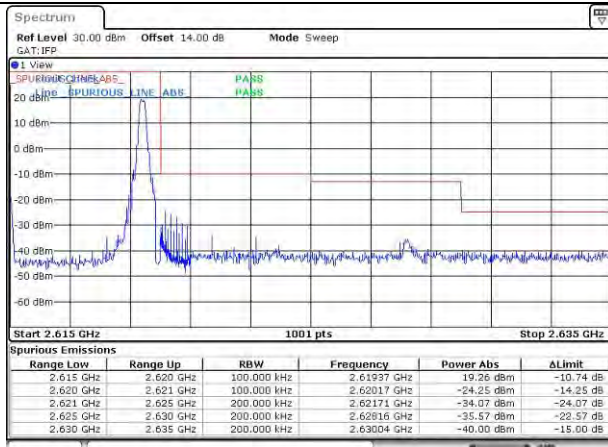
LTE Band 38_2575 MHz_10M_QPSK_1RB



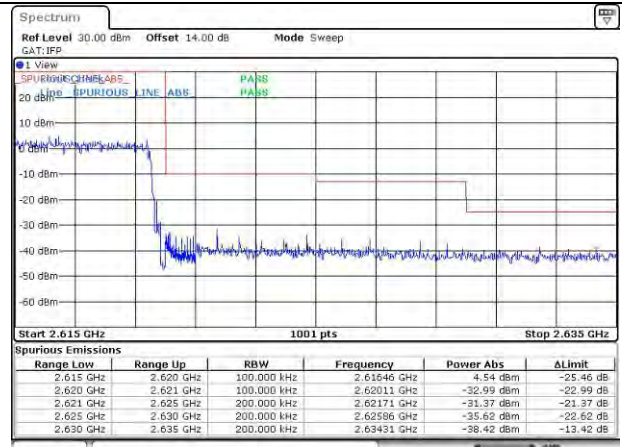
LTE Band 38_2575 MHz_10M_QPSK_FRB



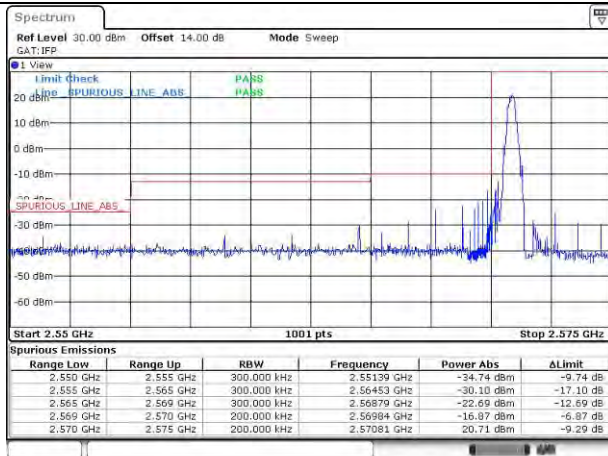
LTE Band 38_2615 MHz_10M_QPSK_1RB



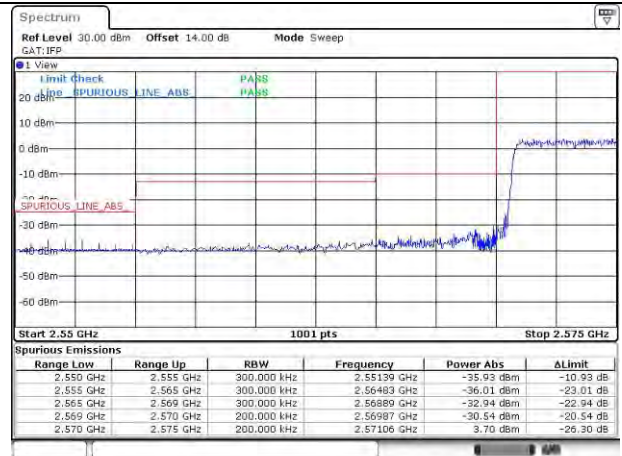
LTE Band 38_2615 MHz_10M_QPSK_FRB



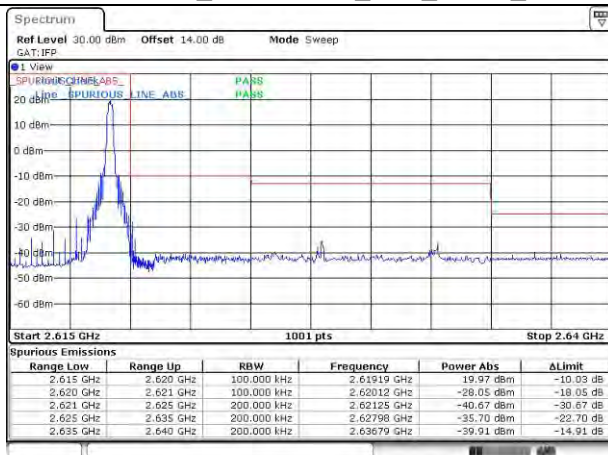
LTE Band 38_2577.5 MHz_15M_QPSK_1RB



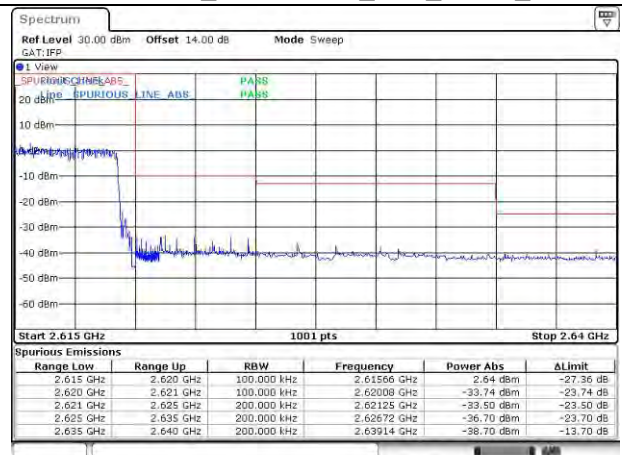
LTE Band 38_2577.5 MHz_15M_QPSK_FRB



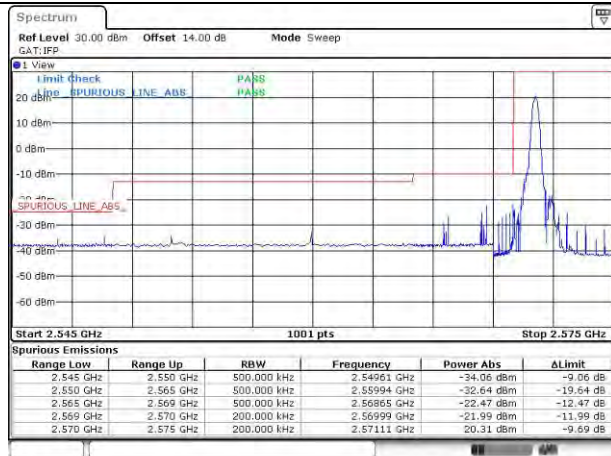
LTE Band 38_2612.5 MHz_15M_QPSK_1RB



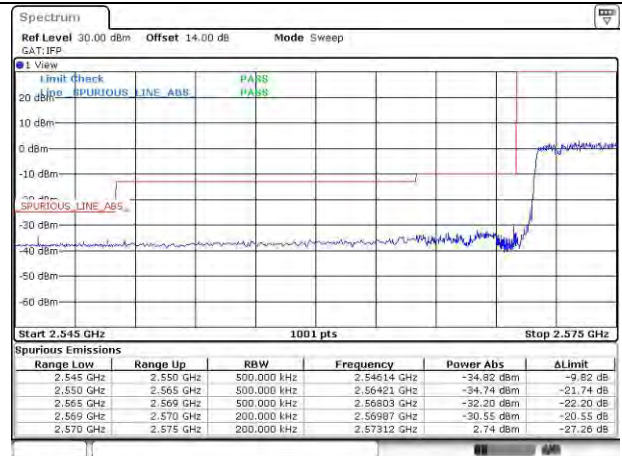
LTE Band 38_2612.5 MHz_15M_QPSK_FRB



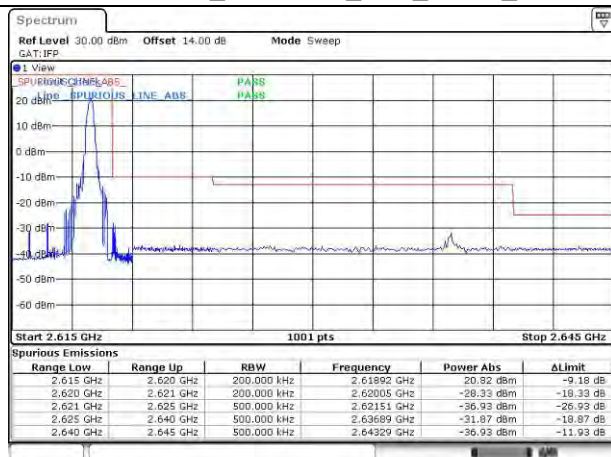
LTE Band 38_2580 MHz_20M_QPSK_1RB



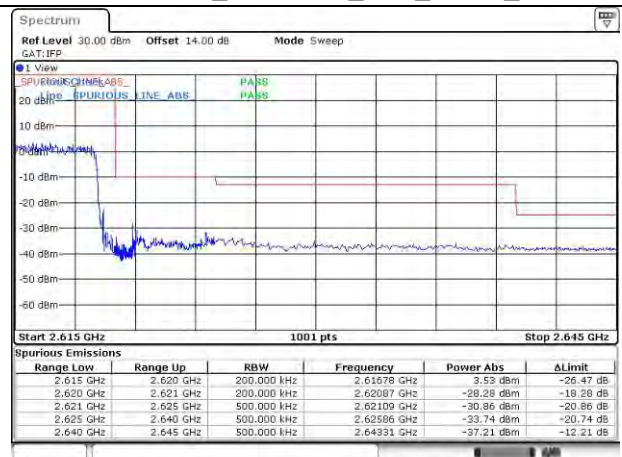
LTE Band 38_2580 MHz_20M_QPSK_FRB



LTE Band 38_2610 MHz_20M_QPSK_1RB

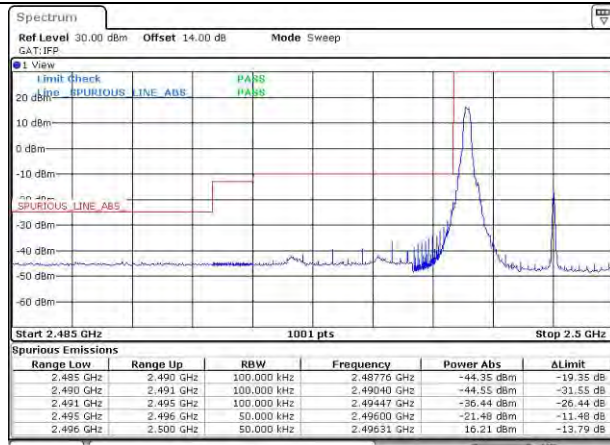


LTE Band 38_2610 MHz_20M_QPSK_FRB



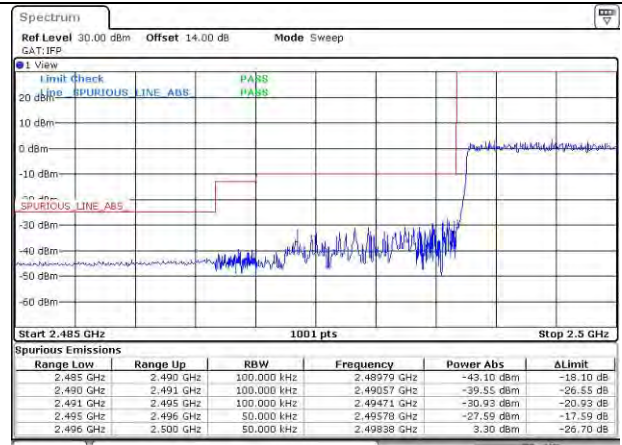
Mode 9: LTE Band 41

LTE Band 41_2498.5 MHz_5M_QPSK_1RB



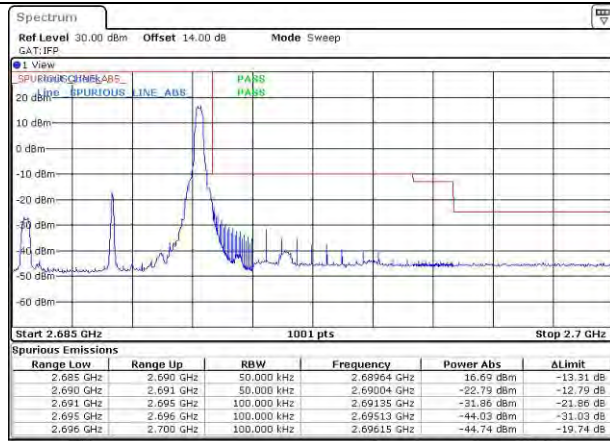
Date: 19.DEC.2024 19:00:48

LTE Band 41_2498.5 MHz_5M_QPSK_FRB



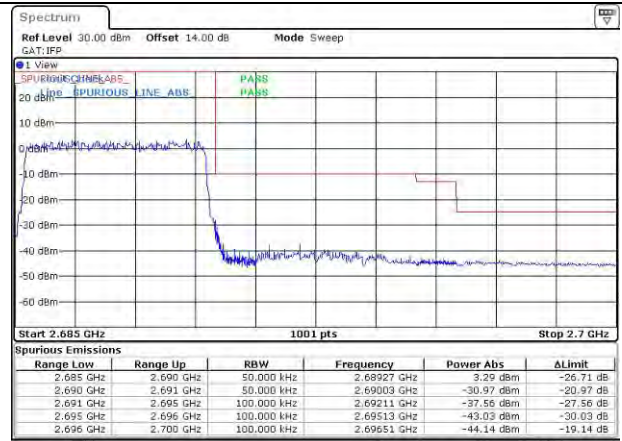
Date: 19.DEC.2024 19:01:33

LTE Band 41_2687.5 MHz_5M_QPSK_1RB



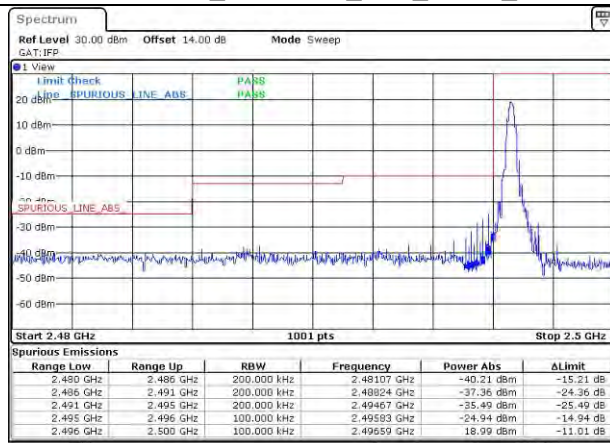
Date: 19.DEC.2024 19:04:26

LTE Band 41_2687.5 MHz_3M_QPSK_FRB



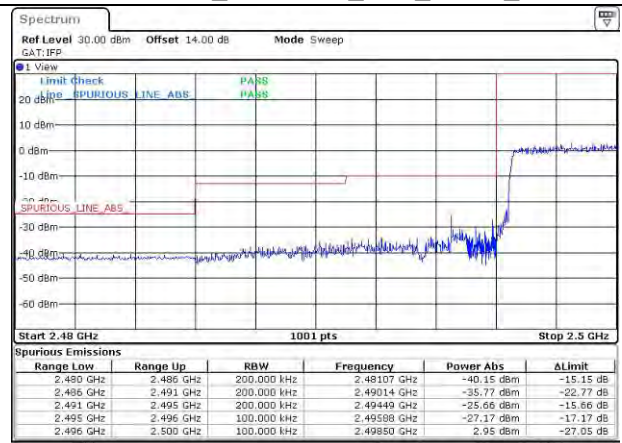
Date: 19.DEC.2024 19:04:41

LTE Band 41_2501 MHz_10M_QPSK_1RB



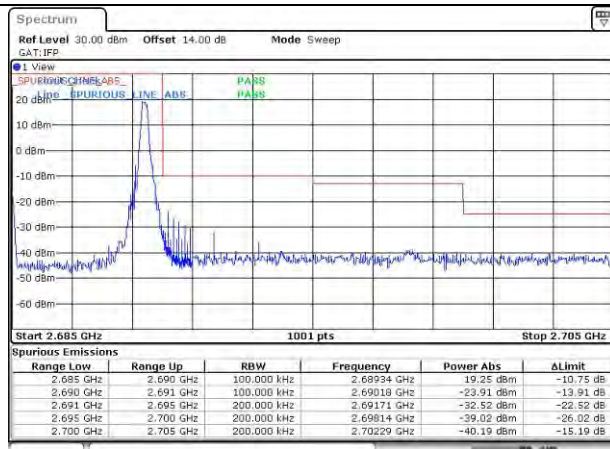
Date: 19.DEC.2024 19:06:21

LTE Band 41_2501 MHz_10M_QPSK_FRB

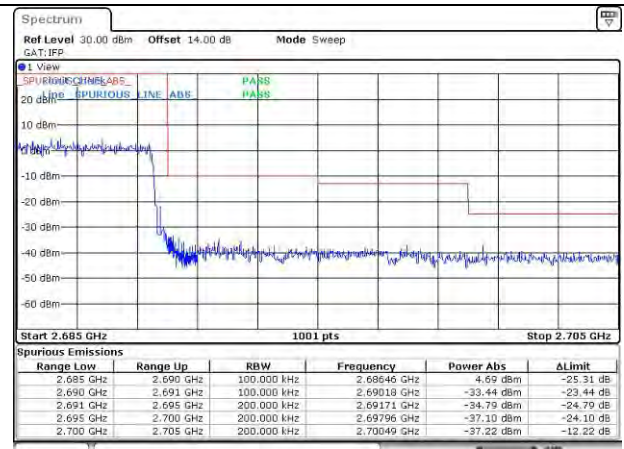


Date: 19.DEC.2024 19:06:48

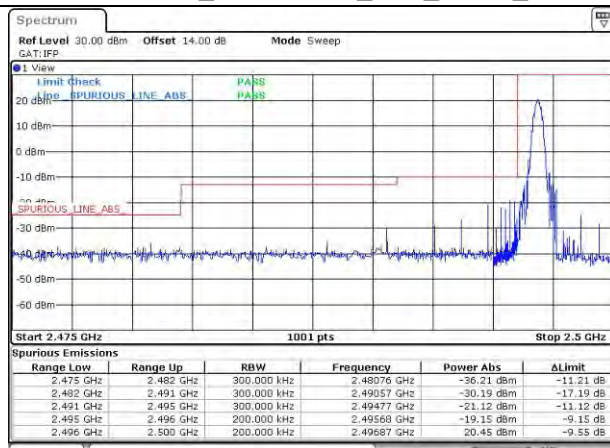
LTE Band 41_2685 MHz_10M_QPSK_1RB



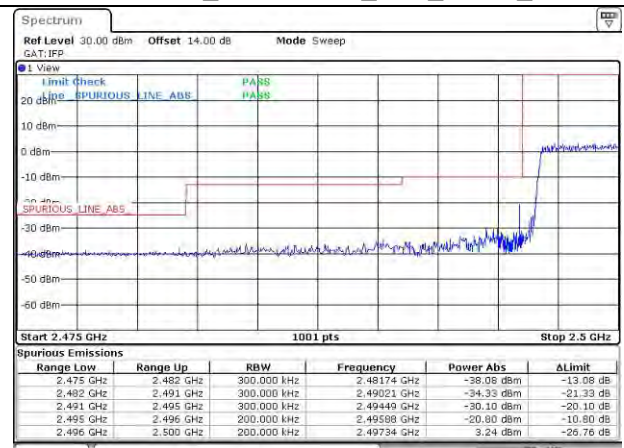
LTE Band 41_2685 MHz_10M_QPSK_FRB



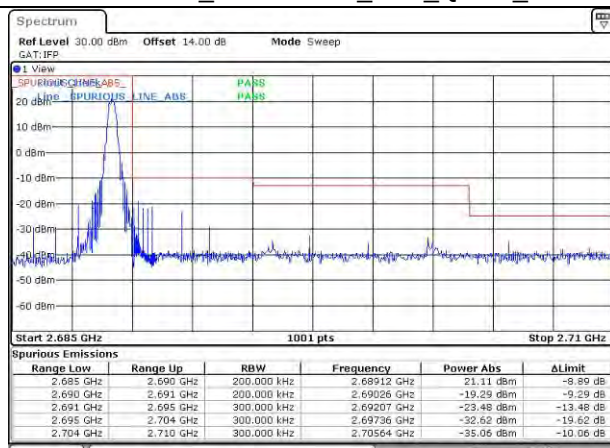
LTE Band 41_2503.5 MHz_15M_QPSK_1RB



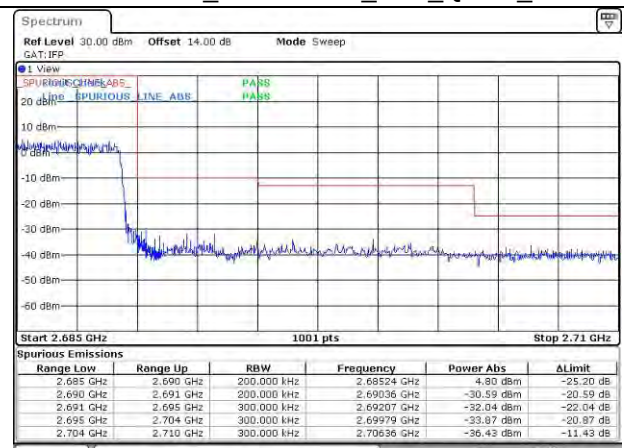
LTE Band 41_2503.5 MHz_15M_QPSK_FRB



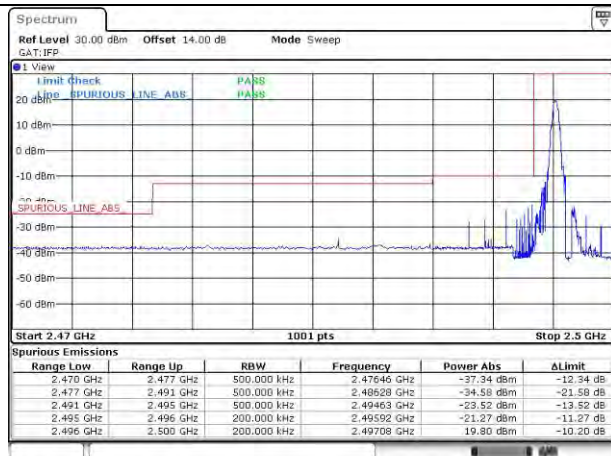
LTE Band 41_2682.5 MHz_15M_QPSK_1RB



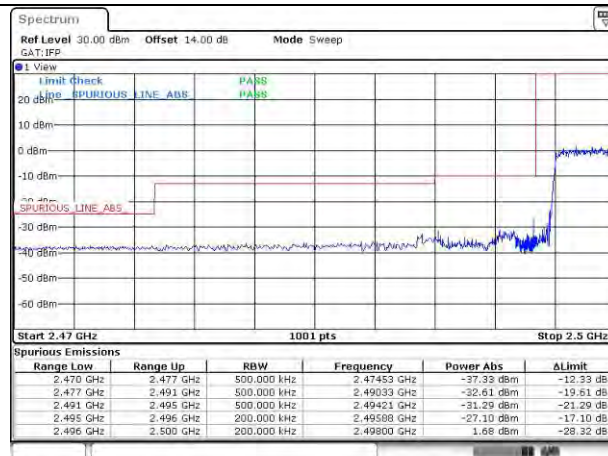
LTE Band 41_2682.5 MHz_15M_QPSK_FRB



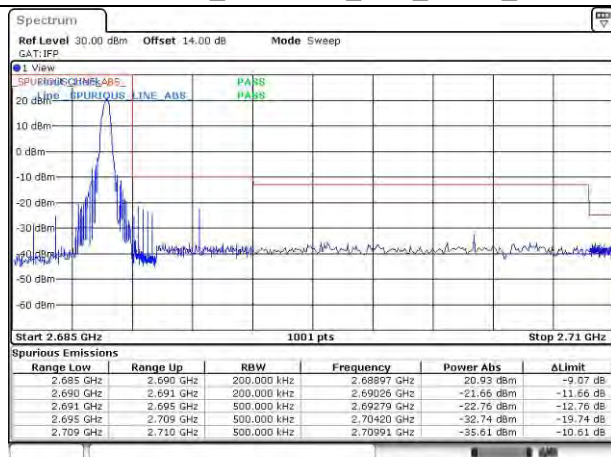
LTE Band 41_2506 MHz_20M_QPSK_1RB



LTE Band 41_2506 MHz_20M_QPSK_FRB



LTE Band 41_2680 MHz_20M_QPSK_1RB



LTE Band 41_2680 MHz_20M_QPSK_FRB



Appendix F. Test Result of Frequency Stability

Mode 1: LTE Band 2 / 25

1.4 MHz / 1850.7 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.88	0.0010
3.80	2.31	0.0012
3.23	1.87	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.89	0.0010
0	2.94	0.0016
10	1.34	0.0007
20	1.12	0.0006
30	2.36	0.0013
40	1.58	0.0009
50	1.59	0.0009

1.4 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.86	0.0010
3.80	2.78	0.0015
3.23	2.26	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	3.13	0.0017
0	2.39	0.0013
10	1.45	0.0008
20	2.12	0.0011
30	2.23	0.0012
40	2.23	0.0012
50	2.14	0.0011

1.4 MHz / 1914.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.63	0.0009
3.80	2.11	0.0011
3.23	1.72	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.72	0.0004
0	1.82	0.0010
10	0.88	0.0005
20	1.48	0.0008
30	1.07	0.0006
40	1.80	0.0009
50	1.46	0.0008

3 MHz / 1851.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.32	0.0002
3.80	1.32	0.0007
3.23	1.06	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.18	0.0006
0	0.25	0.0001
10	1.29	0.0007
20	-0.02	0.0000
30	1.10	0.0006
40	0.42	0.0002
50	0.93	0.0005

3 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.64	0.0003
3.80	1.28	0.0007
3.23	0.48	0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.64	0.0003
0	0.47	0.0002
10	0.65	0.0003
20	0.82	0.0004
30	0.99	0.0005
40	1.64	0.0009
50	0.17	0.0001

3 MHz / 1913.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.11	0.0001
3.80	1.02	0.0005
3.23	0.15	0.0001

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	-0.11	-0.0001
0	0.01	0.0000
10	0.58	0.0003
20	1.62	0.0008
30	0.84	0.0004
40	0.57	0.0003
50	0.94	0.0005

5 MHz / 1852.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.27	0.0007
3.80	1.59	0.0009
3.23	0.79	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.76	0.0004
0	1.71	0.0009
10	1.65	0.0009
20	1.08	0.0006
30	1.41	0.0008
40	0.28	0.0002
50	0.83	0.0004

5 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.45	0.0002
3.80	2.01	0.0011
3.23	2.06	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.92	0.0005
0	2.36	0.0013
10	1.68	0.0009
20	1.57	0.0008
30	1.20	0.0006
40	1.16	0.0006
50	1.00	0.0005

5 MHz / 1912.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.79	0.0009
3.80	2.14	0.0011
3.23	1.50	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.16	0.0006
0	2.04	0.0011
10	1.79	0.0009
20	1.08	0.0006
30	2.41	0.0013
40	2.18	0.0011
50	1.39	0.0007

10 MHz / 1855 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.56	0.0003
3.80	1.08	0.0006
3.23	0.86	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.76	0.0004
0	1.25	0.0007
10	-0.09	0.0000
20	1.51	0.0008
30	0.47	0.0003
40	1.52	0.0008
50	1.19	0.0006

10 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.38	0.0007
3.80	1.65	0.0009
3.23	0.92	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.69	0.0004
0	2.26	0.0012
10	1.18	0.0006
20	0.18	0.0001
30	0.83	0.0004
40	0.63	0.0003
50	0.60	0.0003

10 MHz / 1910 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.03	0.0016
3.80	2.78	0.0015
3.23	1.88	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.33	0.0007
0	2.74	0.0014
10	3.44	0.0018
20	2.77	0.0015
30	2.32	0.0012
40	1.88	0.0010
50	2.59	0.0014

15 MHz / 1857.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.08	0.0000
3.80	1.38	0.0007
3.23	1.23	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.59	0.0003
0	1.16	0.0006
10	0.43	0.0002
20	0.62	0.0003
30	1.63	0.0009
40	1.13	0.0006
50	0.74	0.0004

15 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.76	0.0004
3.80	1.64	0.0009
3.23	1.01	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.17	0.0006
0	0.38	0.0002
10	0.48	0.0003
20	0.91	0.0005
30	2.02	0.0011
40	1.36	0.0007
50	1.78	0.0009

15 MHz / 1907.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.81	0.0009
3.80	2.69	0.0014
3.23	2.62	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.46	0.0013
0	2.70	0.0014
10	1.89	0.0010
20	1.93	0.0010
30	2.91	0.0015
40	2.01	0.0011
50	1.32	0.0007

20 MHz / 1860 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.48	0.0008
3.80	1.41	0.0008
3.23	1.92	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.75	0.0004
0	0.68	0.0004
10	1.29	0.0007
20	0.55	0.0003
30	0.44	0.0002
40	1.45	0.0008
50	0.28	0.0002

20 MHz / 1882.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.38	0.0002
3.80	1.18	0.0006
3.23	0.31	0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.71	0.0004
0	0.14	0.0001
10	0.11	0.0001
20	0.42	0.0002
30	-0.52	-0.0003
40	0.89	0.0005
50	0.83	0.0004

20 MHz / 1905 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.88	0.0010
3.80	2.45	0.0013
3.23	2.95	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.58	0.0014
0	1.75	0.0009
10	1.52	0.0008
20	2.10	0.0011
30	2.05	0.0011
40	1.58	0.0008
50	1.79	0.0009

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

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.59	0.0003
3.80	1.25	0.0007
3.23	1.48	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.44	0.0003
0	0.70	0.0004
10	0.11	0.0001
20	0.82	0.0005
30	1.17	0.0007
40	1.04	0.0006
50	1.36	0.0008

1.4 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.19	0.0007
3.80	2.33	0.0013
3.23	2.35	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.71	0.0010
0	2.28	0.0013
10	1.81	0.0010
20	1.58	0.0009
30	2.41	0.0014
40	1.75	0.0010
50	2.24	0.0013

1.4 MHz / 1779.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.90	0.0005
3.80	1.46	0.0008
3.23	0.56	0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.10	0.0006
0	1.82	0.0010
10	2.17	0.0012
20	1.65	0.0009
30	1.09	0.0006
40	0.63	0.0004
50	2.00	0.0011

3 MHz / 1711.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.40	0.0008
3.80	2.13	0.0012
3.23	2.81	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.33	0.0008
0	1.28	0.0007
10	2.09	0.0012
20	1.22	0.0007
30	1.21	0.0007
40	1.40	0.0008
50	1.67	0.0010

3 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.64	0.0009
3.80	1.46	0.0008
3.23	1.24	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.86	0.0005
0	0.56	0.0003
10	1.11	0.0006
20	0.52	0.0003
30	0.57	0.0003
40	1.29	0.0007
50	1.37	0.0008

3 MHz / 1778.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.21	0.0001
3.80	1.79	0.0010
3.23	1.10	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.07	0.0012
0	0.86	0.0005
10	0.49	0.0003
20	1.63	0.0009
30	1.29	0.0007
40	1.29	0.0007
50	0.84	0.0005

5 MHz / 1712.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.80	0.0005
3.80	1.12	0.0007
3.23	-0.50	-0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.53	0.0003
0	0.62	0.0004
10	1.06	0.0006
20	-0.28	-0.0002
30	-0.23	-0.0001
40	0.49	0.0003
50	0.67	0.0004

5 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	-0.10	-0.0001
3.80	0.86	0.0005
3.23	0.39	0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.08	0.0006
0	0.81	0.0005
10	0.23	0.0001
20	0.34	0.0002
30	0.54	0.0003
40	0.77	0.0004
50	0.22	0.0001

5 MHz / 1777.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.13	0.0006
3.80	1.25	0.0007
3.23	1.65	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.49	0.0003
0	1.57	0.0009
10	1.67	0.0009
20	0.74	0.0004
30	0.99	0.0006
40	0.75	0.0004
50	0.48	0.0003

10 MHz / 1715 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.11	0.0001
3.80	1.80	0.0010
3.23	1.48	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.02	0.0012
0	1.56	0.0009
10	1.32	0.0008
20	1.21	0.0007
30	1.79	0.0010
40	1.65	0.0010
50	0.95	0.0006

10 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.75	0.0004
3.80	1.12	0.0006
3.23	0.93	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.75	0.0010
0	0.58	0.0003
10	1.20	0.0007
20	1.12	0.0006
30	0.47	0.0003
40	1.10	0.0006
50	0.61	0.0003

10 MHz / 1775 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.80	0.0005
3.80	2.06	0.0012
3.23	0.98	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.86	0.0005
0	1.03	0.0006
10	0.73	0.0004
20	1.83	0.0010
30	1.54	0.0009
40	1.67	0.0009
50	1.63	0.0009

15 MHz / 1717.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.63	0.0004
3.80	1.23	0.0007
3.23	-0.07	0.0000

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	-0.02	0.0000
0	0.68	0.0004
10	0.81	0.0005
20	1.38	0.0008
30	0.42	0.0002
40	0.34	0.0002
50	0.68	0.0004

15 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.68	0.0010
3.80	1.42	0.0008
3.23	0.41	0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.71	0.0004
0	0.41	0.0002
10	0.80	0.0005
20	0.85	0.0005
30	1.53	0.0009
40	0.41	0.0002
50	1.73	0.0010

15 MHz / 1772.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.51	0.0003
3.80	1.52	0.0009
3.23	1.50	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.42	0.0002
0	0.48	0.0003
10	1.36	0.0008
20	0.62	0.0003
30	1.37	0.0008
40	1.26	0.0007
50	1.84	0.0010

20 MHz / 1720 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.46	0.0008
3.80	1.24	0.0007
3.23	1.11	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.20	0.0001
0	0.16	0.0001
10	1.08	0.0006
20	1.26	0.0007
30	1.50	0.0009
40	0.51	0.0003
50	1.48	0.0009

20 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.76	0.0004
3.80	1.44	0.0008
3.23	0.92	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	-0.06	0.0000
0	0.02	0.0000
10	0.64	0.0004
20	0.21	0.0001
30	-0.19	-0.0001
40	1.23	0.0007
50	1.63	0.0009

20 MHz / 1770 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.94	0.0005
3.80	1.45	0.0008
3.23	1.78	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.45	0.0003
0	-0.16	-0.0001
10	0.85	0.0005
20	0.93	0.0005
30	0.45	0.0003
40	1.19	0.0007
50	1.24	0.0007

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

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.61	0.0032
3.80	1.86	0.0023
3.23	0.73	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.09	0.0013
0	1.58	0.0019
10	1.62	0.0020
20	1.39	0.0017
30	0.12	0.0001
40	1.80	0.0022
50	1.73	0.0021

1.4 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.10	0.0013
3.80	1.34	0.0016
3.23	0.43	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.92	0.0011
0	0.32	0.0004
10	0.94	0.0011
20	-0.62	-0.0007
30	0.70	0.0008
40	-0.28	-0.0003
50	0.09	0.0001

1.4 MHz / 848.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.92	0.0011
3.80	1.96	0.0023
3.23	0.76	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.13	0.0013
0	1.90	0.0022
10	1.68	0.0020
20	0.82	0.0010
30	2.06	0.0024
40	1.57	0.0019
50	1.59	0.0019

3 MHz / 825.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.08	0.0013
3.80	1.63	0.0020
3.23	1.25	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.74	0.0009
0	0.62	0.0008
10	1.06	0.0013
20	1.64	0.0020
30	1.40	0.0017
40	1.17	0.0014
50	1.40	0.0017

3 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.50	0.0018
3.80	1.79	0.0021
3.23	1.66	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.41	0.0017
0	1.56	0.0019
10	1.92	0.0023
20	1.02	0.0012
30	0.96	0.0011
40	0.95	0.0011
50	1.68	0.0020

3 MHz / 847.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.52	0.0018
3.80	1.82	0.0021
3.23	1.97	0.0023

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.94	0.0011
0	1.51	0.0018
10	1.88	0.0022
20	1.70	0.0020
30	1.70	0.0020
40	0.81	0.0010
50	0.88	0.0010

5 MHz / 826.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	-0.23	-0.0003
3.80	0.80	0.0010
3.23	0.27	0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.55	0.0007
0	-0.18	-0.0002
10	-0.43	-0.0005
20	0.44	0.0005
30	0.12	0.0001
40	0.46	0.0006
50	-0.39	-0.0005

5 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.92	0.0011
3.80	1.63	0.0019
3.23	1.01	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.82	0.0010
0	0.28	0.0003
10	1.89	0.0023
20	1.18	0.0014
30	1.06	0.0013
40	2.01	0.0024
50	1.71	0.0020

5 MHz / 846.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.69	0.0032
3.80	2.59	0.0031
3.23	1.22	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.30	0.0027
0	1.21	0.0014
10	1.40	0.0017
20	2.56	0.0030
30	1.93	0.0023
40	2.03	0.0024
50	1.26	0.0015

10 MHz / 829 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.38	0.0017
3.80	1.69	0.0020
3.23	1.55	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.92	0.0011
0	0.81	0.0010
10	0.60	0.0007
20	2.04	0.0025
30	0.85	0.0010
40	1.73	0.0021
50	1.79	0.0022

10 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.57	0.0019
3.80	1.90	0.0023
3.23	0.69	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.80	0.0022
0	1.69	0.0020
10	1.73	0.0021
20	1.98	0.0024
30	1.23	0.0015
40	1.17	0.0014
50	1.32	0.0016

10 MHz / 844 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.82	0.0033
3.80	2.33	0.0028
3.23	1.66	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.24	0.0027
0	0.99	0.0012
10	1.10	0.0013
20	2.44	0.0029
30	1.91	0.0023
40	1.04	0.0012
50	1.28	0.0015

15 MHz / 831.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.96	0.0012
3.80	1.50	0.0018
3.23	0.79	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.91	0.0011
0	0.99	0.0012
10	1.74	0.0021
20	1.56	0.0019
30	1.99	0.0024
40	0.43	0.0005
50	1.25	0.0015

15 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.70	0.0008
3.80	1.01	0.0012
3.23	0.45	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.65	0.0008
0	0.63	0.0008
10	-0.20	-0.0002
20	-0.26	-0.0003
30	0.42	0.0005
40	1.26	0.0015
50	1.47	0.0018

15 MHz / 841.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.68	0.0008
3.80	1.60	0.0019
3.23	1.27	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.44	0.0017
0	0.38	0.0005
10	1.72	0.0020
20	0.80	0.0010
30	1.41	0.0017
40	0.92	0.0011
50	1.55	0.0018

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

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.56	0.0002
3.80	1.00	0.0004
3.23	0.12	0.0000

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.65	0.0003
0	0.06	0.0000
10	0.05	0.0000
20	0.82	0.0003
30	0.61	0.0002
40	1.26	0.0005
50	0.30	0.0001

5 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.80	0.0011
3.80	2.62	0.0010
3.23	2.73	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.34	0.0009
0	2.15	0.0008
10	1.57	0.0006
20	1.75	0.0007
30	1.76	0.0007
40	1.41	0.0006
50	2.41	0.0010

5 MHz / 2567.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.29	0.0005
3.80	2.09	0.0008
3.23	1.99	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.85	0.0007
0	1.23	0.0005
10	1.49	0.0006
20	2.21	0.0009
30	0.51	0.0002
40	2.11	0.0008
50	1.18	0.0005

10 MHz / 2502.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.73	0.0007
3.80	2.66	0.0011
3.23	2.14	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	3.28	0.0013
0	2.12	0.0008
10	1.92	0.0008
20	1.98	0.0008
30	2.93	0.0012
40	1.42	0.0006
50	2.38	0.0010

10 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.87	0.0007
3.80	2.85	0.0011
3.23	2.31	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.97	0.0012
0	2.61	0.0010
10	2.51	0.0010
20	2.26	0.0009
30	3.10	0.0012
40	1.99	0.0008
50	2.19	0.0009

10 MHz / 2567.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.46	0.0010
3.80	2.63	0.0010
3.23	2.83	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.32	0.0005
0	1.45	0.0006
10	2.37	0.0009
20	1.37	0.0005
30	1.10	0.0004
40	2.23	0.0009
50	1.89	0.0007

15 MHz / 2507.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.85	0.0007
3.80	1.71	0.0007
3.23	1.52	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.57	0.0006
0	2.14	0.0009
10	1.30	0.0005
20	0.25	0.0001
30	1.81	0.0007
40	0.73	0.0003
50	0.67	0.0003

15 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.82	0.0007
3.80	1.87	0.0007
3.23	1.31	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.14	0.0004
0	1.36	0.0005
10	1.33	0.0005
20	1.41	0.0006
30	1.62	0.0006
40	1.27	0.0005
50	1.04	0.0004

15 MHz / 2562.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.02	0.0004
3.80	1.14	0.0004
3.23	-0.05	0.0000

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.16	0.0001
0	1.38	0.0005
10	0.29	0.0001
20	1.58	0.0006
30	0.59	0.0002
40	0.91	0.0004
50	0.89	0.0003

20 MHz / 2510 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	-1.14	-0.0005
3.80	-1.16	-0.0005
3.23	-1.80	-0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	-1.95	-0.0008
0	-2.03	-0.0008
10	-1.66	-0.0007
20	-1.37	-0.0005
30	-2.26	-0.0009
40	-1.33	-0.0005
50	-2.12	-0.0008

20 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	-2.33	-0.0009
3.80	-1.55	-0.0006
3.23	-2.23	-0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	-1.22	-0.0005
0	-2.82	-0.0011
10	-2.65	-0.0010
20	-2.46	-0.0010
30	-1.78	-0.0007
40	-2.18	-0.0009
50	-2.55	-0.0010

20 MHz / 2560 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.85	0.0003
3.80	1.04	0.0004
3.23	-0.20	-0.0001

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.26	0.0005
0	-0.35	-0.0001
10	-0.31	-0.0001
20	0.52	0.0002
30	1.32	0.0005
40	-0.46	-0.0002
50	0.34	0.0001

Mode 5: LTE Band 12**1.4 MHz / 699.7 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.77	0.0025
3.80	2.13	0.0030
3.23	1.67	0.0024

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.12	0.0016
0	2.12	0.0030
10	1.78	0.0025
20	2.52	0.0036
30	0.98	0.0014
40	2.14	0.0031
50	0.92	0.0013

1.4 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.86	0.0012
3.80	1.86	0.0026
3.23	0.52	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.92	0.0013
0	1.52	0.0021
10	0.48	0.0007
20	1.76	0.0025
30	0.95	0.0013
40	1.09	0.0015
50	1.44	0.0020

1.4 MHz / 715.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.17	0.0016
3.80	2.03	0.0028
3.23	2.10	0.0029

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.14	0.0030
0	1.52	0.0021
10	1.64	0.0023
20	1.05	0.0015
30	1.42	0.0020
40	1.22	0.0017
50	1.37	0.0019

3 MHz / 700.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.04	0.0015
3.80	2.13	0.0030
3.23	0.94	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.77	0.0025
0	1.14	0.0016
10	2.57	0.0037
20	1.35	0.0019
30	1.03	0.0015
40	2.17	0.0031
50	1.70	0.0024

3 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.74	0.0039
3.80	3.63	0.0051
3.23	3.21	0.0045

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	4.19	0.0059
0	2.69	0.0038
10	2.73	0.0039
20	2.79	0.0039
30	2.83	0.0040
40	2.84	0.0040
50	2.85	0.0040

3 MHz / 714.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.30	0.0032
3.80	2.46	0.0034
3.23	2.12	0.0030

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.99	0.0028
0	2.14	0.0030
10	1.08	0.0015
20	1.82	0.0025
30	1.90	0.0027
40	2.01	0.0028
50	2.10	0.0029

5 MHz / 701.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.03	0.0015
3.80	1.17	0.0017
3.23	0.38	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.68	0.0010
0	0.99	0.0014
10	0.72	0.0010
20	1.11	0.0016
30	0.92	0.0013
40	1.20	0.0017
50	1.24	0.0018

5 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.79	0.0011
3.80	1.20	0.0017
3.23	0.50	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.28	0.0004
0	1.07	0.0015
10	0.05	0.0001
20	1.14	0.0016
30	0.66	0.0009
40	0.21	0.0003
50	-0.03	0.0000

5 MHz / 713.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.00	0.0014
3.80	2.79	0.0039
3.23	3.07	0.0043

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.86	0.0040
0	1.93	0.0027
10	2.80	0.0039
20	2.37	0.0033
30	2.70	0.0038
40	1.45	0.0020
50	3.34	0.0047

10 MHz / 704 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.55	0.0022
3.80	1.39	0.0020
3.23	0.79	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.33	0.0005
0	0.88	0.0013
10	0.32	0.0005
20	0.25	0.0004
30	0.64	0.0009
40	1.18	0.0017
50	1.49	0.0021

10 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.25	0.0004
3.80	1.66	0.0023
3.23	1.46	0.0021

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.58	0.0008
0	1.20	0.0017
10	1.07	0.0015
20	1.84	0.0026
30	1.11	0.0016
40	0.39	0.0006
50	0.29	0.0004

10 MHz / 711 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.55	0.0008
3.80	1.87	0.0026
3.23	2.24	0.0032

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.03	0.0014
0	1.30	0.0018
10	1.65	0.0023
20	1.96	0.0028
30	1.83	0.0026
40	1.06	0.0015
50	2.57	0.0036

Mode 6: LTE Band 13**5 MHz / 779.5 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.84	0.0011
3.80	1.79	0.0023
3.23	0.67	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.51	0.0019
0	1.80	0.0023
10	0.63	0.0008
20	2.00	0.0026
30	1.72	0.0022
40	1.73	0.0022
50	2.01	0.0026

5 MHz / 782 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.08	0.0014
3.80	0.95	0.0012
3.23	0.79	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.05	0.0001
0	-0.70	-0.0009
10	0.54	0.0007
20	0.32	0.0004
30	0.45	0.0006
40	0.23	0.0003
50	0.90	0.0012

5 MHz / 784.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.58	0.0007
3.80	1.86	0.0024
3.23	0.40	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.70	0.0009
0	1.02	0.0013
10	2.15	0.0027
20	0.88	0.0011
30	1.67	0.0021
40	0.74	0.0009
50	1.27	0.0016

10 MHz / 782 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.55	0.0033
3.80	2.28	0.0029
3.23	1.64	0.0021

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.22	0.0028
0	2.36	0.0030
10	2.36	0.0030
20	2.45	0.0031
30	0.84	0.0011
40	1.32	0.0017
50	1.50	0.0019

Mode 7: LTE Band 26 (Part 90)**1.4 MHz / 814.7 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.82	0.0035
3.80	2.54	0.0031
3.23	1.96	0.0024

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.69	0.0021
0	2.50	0.0031
10	2.19	0.0027
20	1.55	0.0019
30	1.39	0.0017
40	2.19	0.0027
50	1.64	0.0020

1.4 MHz / 819 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.87	0.0023
3.80	1.63	0.0020
3.23	1.01	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.95	0.0024
0	1.29	0.0016
10	1.67	0.0020
20	1.04	0.0013
30	0.57	0.0007
40	1.08	0.0013
50	1.87	0.0023

1.4 MHz / 823.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.14	0.0014
3.80	1.55	0.0019
3.23	1.74	0.0021

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.05	0.0013
0	1.24	0.0015
10	1.77	0.0021
20	-0.08	-0.0001
30	0.36	0.0004
40	0.80	0.0010
50	1.47	0.0018

3 MHz / 815.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.25	0.0015
3.80	2.01	0.0025
3.23	1.23	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.25	0.0015
0	1.07	0.0013
10	2.14	0.0026
20	1.37	0.0017
30	1.78	0.0022
40	1.48	0.0018
50	2.33	0.0029

3 MHz / 819 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	-0.20	-0.0002
3.80	1.31	0.0016
3.23	0.47	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.86	0.0011
0	0.46	0.0006
10	0.77	0.0009
20	-0.12	-0.0001
30	1.18	0.0014
40	-0.22	-0.0003
50	0.70	0.0009

3 MHz / 822.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.51	0.0018
3.80	2.11	0.0026
3.23	1.41	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.05	0.0025
0	2.65	0.0032
10	2.11	0.0026
20	2.78	0.0034
30	1.98	0.0024
40	1.89	0.0023
50	1.51	0.0018

5 MHz / 816.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.93	0.0011
3.80	0.81	0.0010
3.23	-0.26	-0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.67	0.0008
0	0.71	0.0009
10	-0.81	-0.0010
20	0.52	0.0006
30	0.69	0.0008
40	0.86	0.0011
50	-0.05	-0.0001

5 MHz / 819 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.54	0.0019
3.80	1.72	0.0021
3.23	1.13	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.91	0.0011
0	0.89	0.0011
10	1.03	0.0013
20	0.46	0.0006
30	0.75	0.0009
40	1.31	0.0016
50	1.97	0.0024

5 MHz / 821.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.10	0.0038
3.80	3.04	0.0037
3.23	2.56	0.0031

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.17	0.0026
0	2.44	0.0030
10	2.64	0.0032
20	2.12	0.0026
30	2.95	0.0036
40	3.35	0.0041
50	2.64	0.0032

10 MHz / 819 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.29	0.0016
3.80	1.47	0.0018
3.23	1.36	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.57	0.0007
0	1.00	0.0012
10	0.60	0.0007
20	1.46	0.0018
30	1.24	0.0015
40	0.47	0.0006
50	1.20	0.0015

Mode 8: LTE Band 38**5 MHz / 2572.5 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.83	0.0003
3.80	1.86	0.0007
3.23	1.07	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.74	0.0007
0	1.28	0.0005
10	1.86	0.0007
20	1.80	0.0007
30	0.22	0.0001
40	1.03	0.0004
50	0.75	0.0003

5 MHz / 2595 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.24	0.0009
3.80	2.40	0.0009
3.23	1.24	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.20	0.0008
0	1.80	0.0007
10	2.29	0.0009
20	2.16	0.0008
30	2.08	0.0008
40	1.59	0.0006
50	1.44	0.0006

5 MHz / 2617.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.65	0.0002
3.80	1.72	0.0007
3.23	1.18	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.64	0.0002
0	1.37	0.0005
10	0.52	0.0002
20	1.42	0.0005
30	0.61	0.0002
40	1.22	0.0005
50	1.51	0.0006

10 MHz / 2575 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.46	0.0010
3.80	2.44	0.0009
3.23	2.04	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.36	0.0009
0	2.17	0.0008
10	2.22	0.0009
20	1.21	0.0005
30	2.79	0.0011
40	1.29	0.0005
50	1.85	0.0007

10 MHz / 2595 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.43	0.0009
3.80	3.14	0.0012
3.23	3.18	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.30	0.0009
0	2.28	0.0009
10	2.19	0.0008
20	3.07	0.0012
30	2.66	0.0010
40	3.59	0.0014
50	2.54	0.0010

10 MHz / 2615 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.72	0.0014
3.80	3.37	0.0013
3.23	3.18	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	3.49	0.0013
0	3.08	0.0012
10	3.54	0.0014
20	2.97	0.0011
30	2.98	0.0011
40	2.93	0.0011
50	1.97	0.0008

15 MHz / 2577.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.40	0.0005
3.80	1.57	0.0006
3.23	1.67	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.72	0.0007
0	2.14	0.0008
10	1.02	0.0004
20	1.09	0.0004
30	1.89	0.0007
40	1.08	0.0004
50	0.87	0.0003

15 MHz / 2595 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.94	0.0004
3.80	1.86	0.0007
3.23	2.04	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.43	0.0009
0	1.79	0.0007
10	0.42	0.0002
20	1.77	0.0007
30	2.60	0.0010
40	1.29	0.0005
50	1.70	0.0007

15 MHz / 2612.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.03	0.0008
3.80	2.89	0.0011
3.23	1.98	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.53	0.0006
0	2.57	0.0010
10	2.31	0.0009
20	2.59	0.0010
30	2.29	0.0009
40	1.34	0.0005
50	2.90	0.0011

20 MHz / 2580 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.99	0.0008
3.80	1.87	0.0007
3.23	1.26	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.42	0.0006
0	1.07	0.0004
10	0.69	0.0003
20	1.56	0.0006
30	1.04	0.0004
40	1.35	0.0005
50	1.72	0.0007

20 MHz / 2595 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.50	0.0010
3.80	2.81	0.0011
3.23	2.85	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.31	0.0009
0	2.71	0.0010
10	2.05	0.0008
20	2.48	0.0010
30	1.86	0.0007
40	2.10	0.0008
50	2.88	0.0011

20 MHz / 2610 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.95	0.0007
3.80	1.86	0.0007
3.23	1.38	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.58	0.0002
0	1.87	0.0007
10	1.19	0.0005
20	1.40	0.0005
30	1.12	0.0004
40	1.93	0.0007
50	1.23	0.0005

Mode 9: LTE Band 41**5 MHz / 2498.5 MHz**

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.80	0.0007
3.80	1.85	0.0007
3.23	1.61	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.68	0.0003
0	1.74	0.0007
10	1.63	0.0007
20	1.19	0.0005
30	1.92	0.0008
40	2.31	0.0009
50	1.10	0.0004

5 MHz / 2593 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.11	0.0008
3.80	2.74	0.0011
3.23	2.16	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.28	0.0009
0	1.67	0.0006
10	1.90	0.0007
20	2.74	0.0011
30	2.25	0.0009
40	1.85	0.0007
50	1.77	0.0007

5 MHz / 2687.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.28	0.0005
3.80	2.19	0.0008
3.23	1.44	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.69	0.0006
0	1.59	0.0006
10	1.83	0.0007
20	2.54	0.0009
30	1.85	0.0007
40	2.32	0.0009
50	0.84	0.0003

10 MHz / 2501 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.00	0.0008
3.80	2.54	0.0010
3.23	2.27	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.38	0.0010
0	2.58	0.0010
10	0.80	0.0003
20	1.93	0.0008
30	2.16	0.0009
40	1.64	0.0007
50	1.20	0.0005

10 MHz / 2593 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.92	0.0007
3.80	2.15	0.0008
3.23	1.63	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.47	0.0006
0	2.12	0.0008
10	2.23	0.0009
20	2.01	0.0008
30	1.44	0.0006
40	2.38	0.0009
50	2.15	0.0008

10 MHz / 2685 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.79	0.0010
3.80	3.81	0.0014
3.23	3.28	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	3.53	0.0013
0	2.77	0.0010
10	3.27	0.0012
20	3.57	0.0013
30	2.96	0.0011
40	3.35	0.0012
50	2.35	0.0009

15 MHz / 2503.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.91	0.0004
3.80	1.73	0.0007
3.23	1.22	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.40	0.0002
0	1.38	0.0006
10	1.63	0.0007
20	1.28	0.0005
30	0.56	0.0002
40	1.88	0.0008
50	1.06	0.0004

15 MHz / 2593 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.27	0.0001
3.80	1.54	0.0006
3.23	0.93	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.29	0.0009
0	1.36	0.0005
10	0.22	0.0001
20	0.59	0.0002
30	1.65	0.0006
40	1.50	0.0006
50	0.35	0.0001

15 MHz / 2682.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.28	0.0005
3.80	1.21	0.0005
3.23	0.91	0.0003

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	1.35	0.0005
0	1.63	0.0006
10	1.01	0.0004
20	0.93	0.0003
30	-0.04	0.0000
40	1.59	0.0006
50	1.20	0.0004

20 MHz / 2506 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.10	0.0012
3.80	2.63	0.0010
3.23	1.39	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.41	0.0010
0	2.55	0.0010
10	1.53	0.0006
20	2.05	0.0008
30	1.87	0.0007
40	1.83	0.0007
50	1.86	0.0007

20 MHz / 2593 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.24	0.0009
3.80	2.38	0.0009
3.23	0.96	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	0.81	0.0003
0	2.19	0.0008
10	1.02	0.0004
20	1.87	0.0007
30	1.72	0.0007
40	2.48	0.0010
50	1.89	0.0007

20 MHz / 2680 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.62	0.0014
3.80	3.69	0.0014
3.23	2.66	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-10	2.70	0.0010
0	3.15	0.0012
10	3.14	0.0012
20	3.35	0.0013
30	2.61	0.0010
40	3.08	0.0011
50	2.50	0.0009