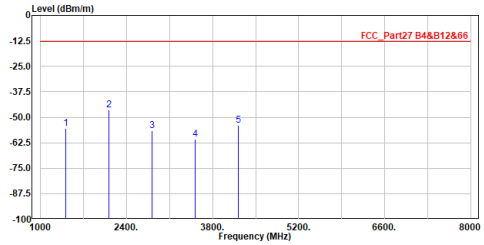
Mode 4: LTE Band 12

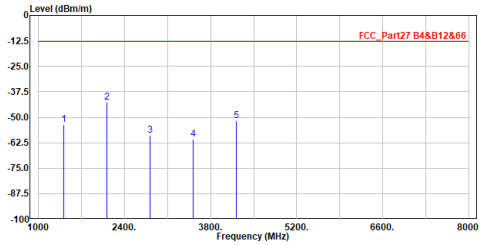
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B12_CH23060
Test by :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1408.000	-55.38	-13.00	-42.38	-40.19	-15.19	Peak
2	2112.000	-46.51	-13.00	-33.51	-33.64	-12.87	Peak
3	2816.000	-56.73	-13.00	-43.73	-45.66	-11.07	Peak
4	3520.000	-60.89	-13.00	-47.89	-51.10	-9.79	Peak
5	4224.000	-53.93	-13.00	-40.93	-46.56	-7.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

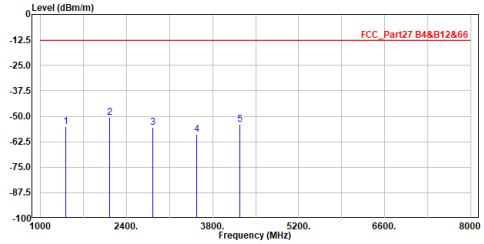
Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B12_CH23060
Test by :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1408.000	-53.41	-13.00	-40.41	-38.22	-15.19	Peak
2	2112.000	-42.49	-13.00	-29.49	-29.62	-12.87	Peak
3	2816.000	-59.00	-13.00	-46.00	-47.93	-11.07	Peak
4	3520.000	-60.75	-13.00	-47.75	-50.96	-9.79	Peak
5	4224.000	-51.82	-13.00	-38.82	-44.45	-7.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

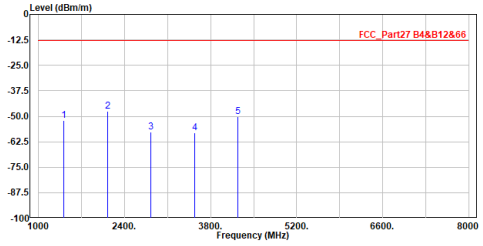
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B12_CH23095
Test by :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1415.000	-55.14	-13.00	-42.14	-39.97	-15.17	Peak
2	2122.500	-50.60	-13.00	-37.60	-37.76	-12.84	Peak
3	2830.000	-55.50	-13.00	-42.50	-44.46	-11.04	Peak
4	3537.500	-58.74	-13.00	-45.74	-49.04	-9.70	Peak
5	4245.000	-53.81	-13.00	-40.81	-46.47	-7.34	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

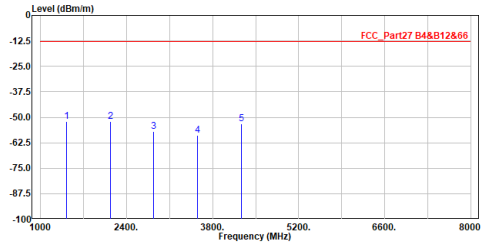
Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B12_CH23095
Test by :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1415.000	-52.19	-13.00	-39.19	-37.02	-15.17	Peak
2	2122.500	-47.46	-13.00	-34.46	-34.62	-12.84	Peak
3	2830.000	-57.89	-13.00	-44.89	-46.85	-11.04	Peak
4	3537.500	-58.08	-13.00	-45.08	-48.38	-9.70	Peak
5	4245.000	-50.20	-13.00	-37.20	-42.86	-7.34	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

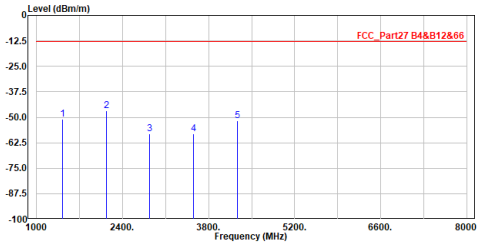
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B12_CH23130
Test by :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1422.000	-52.23	-13.00	-39.23	-37.07	-15.16	Peak
2	2133.000	-52.19	-13.00	-39.19	-39.37	-12.82	Peak
3	2844.000	-57.16	-13.00	-44.16	-46.18	-10.98	Peak
4	3555.000	-58.74	-13.00	-45.74	-49.11	-9.63	Peak
5	4266.000	-53.30	-13.00	-40.30	-45.99	-7.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B12_CH23130
Test by :Cyril

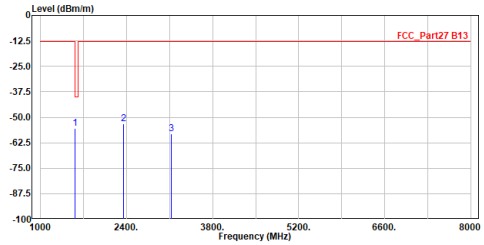


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1422.000	-51.09	-13.00	-38.09	-35.93	-15.16	Peak
2	2133.000	-46.84	-13.00	-33.84	-34.02	-12.82	Peak
3	2844.000	-58.05	-13.00	-45.05	-47.07	-10.98	Peak
4	3555.000	-57.93	-13.00	-44.93	-48.30	-9.63	Peak
5	4266.000	-51.88	-13.00	-38.88	-44.57	-7.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Mode 5: LTE Band 13

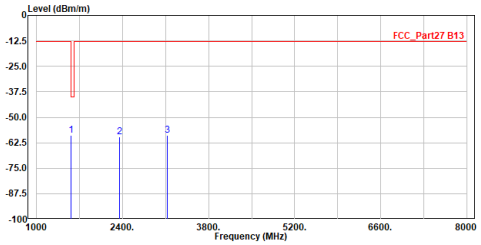
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B13_CH23230
Test by :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1564.000	-55.37	-40.00	-15.37	-40.62	-14.75	Peak
2	2346.000	-53.07	-13.00	-40.07	-40.74	-12.33	Peak
3	3128.000	-58.19	-13.00	-45.19	-47.82	-10.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B13_CH23230
Test by :Cyril

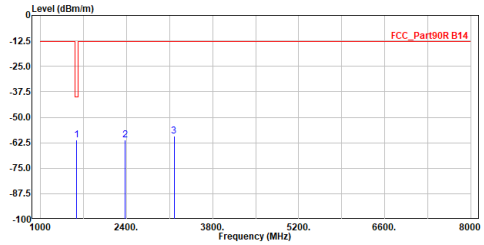


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1564.000	-58.92	-40.00	-18.92	-44.17	-14.75	Peak
2	2346.000	-59.58	-13.00	-46.58	-47.25	-12.33	Peak
3	3128.000	-58.83	-13.00	-45.83	-48.46	-10.37	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Mode 6: LTE Band 14

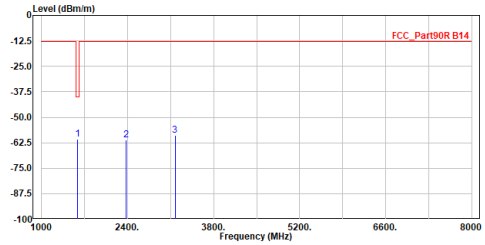
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B14_CH23330
Test by :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1586.000	-61.28	-40.00	-21.28	-46.63	-14.65	Peak
2	2379.000	-61.22	-13.00	-48.22	-48.96	-12.26	Peak
3	3172.000	-59.09	-13.00	-46.09	-48.78	-10.31	Peak

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B14_CH23330
Test by :Cyril

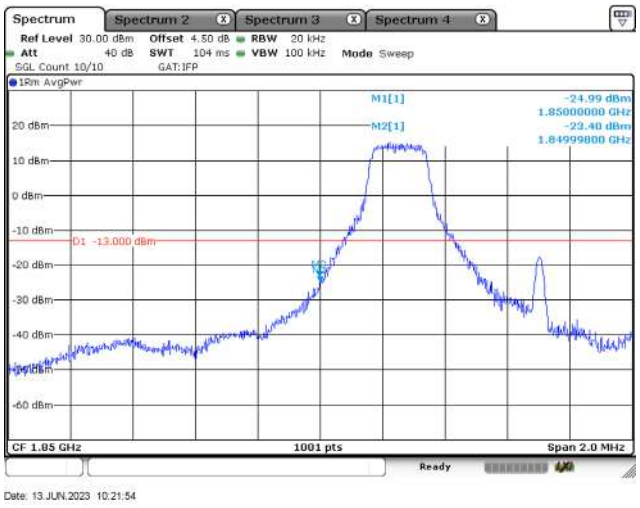
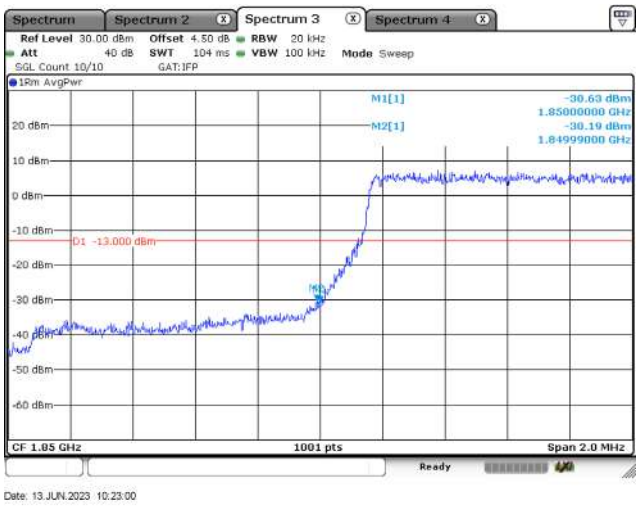
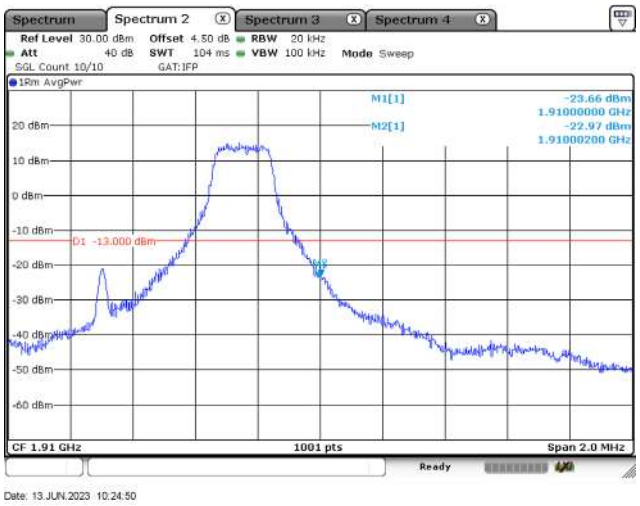
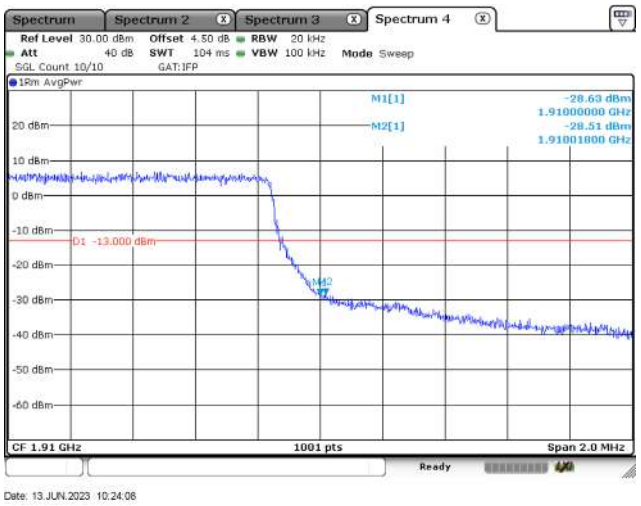
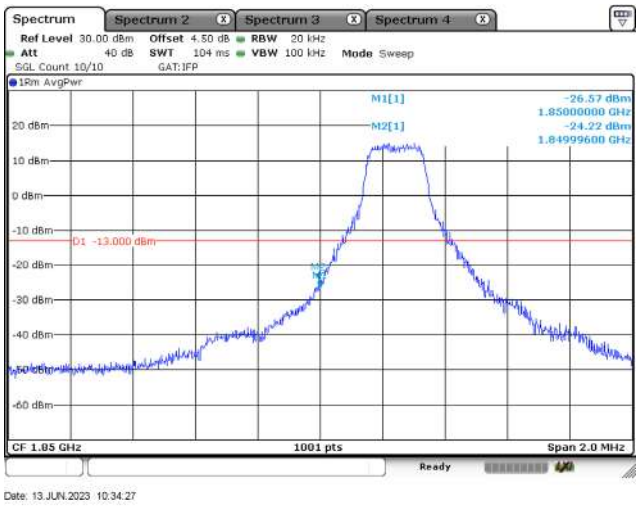
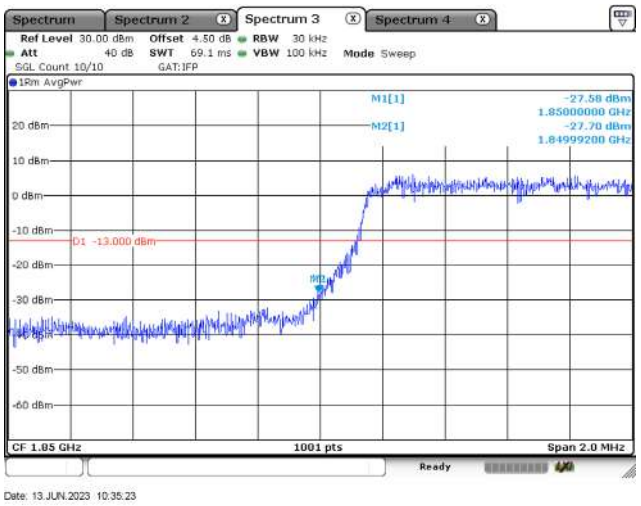


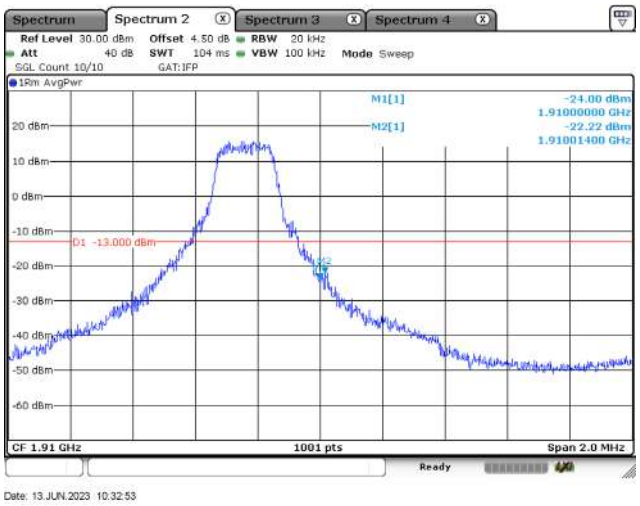
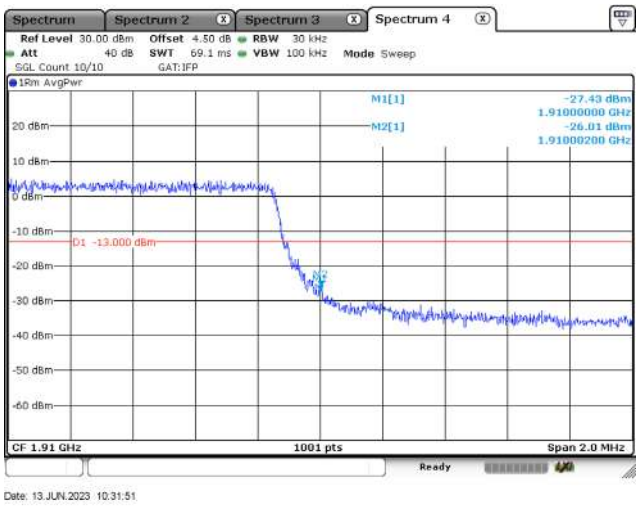
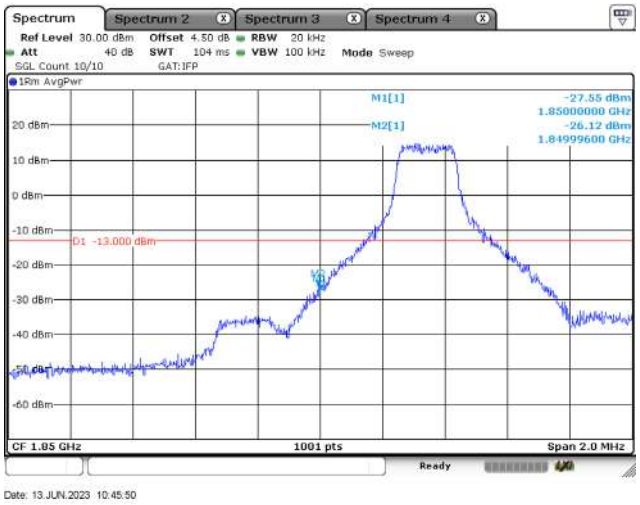
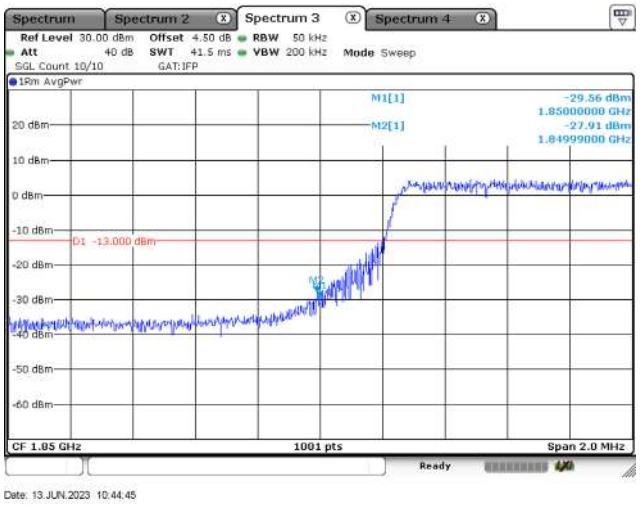
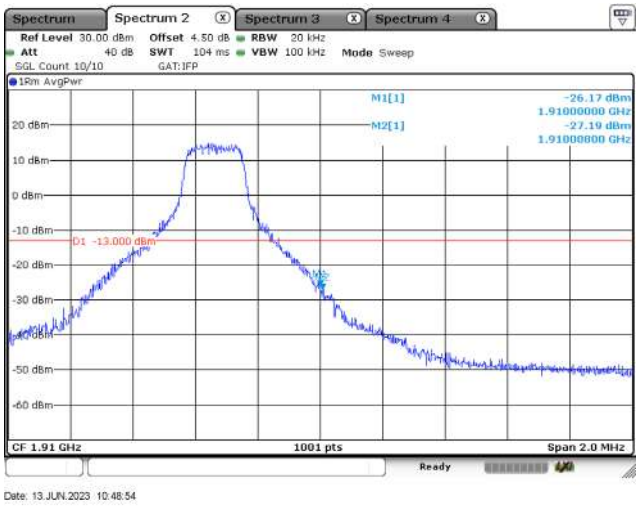
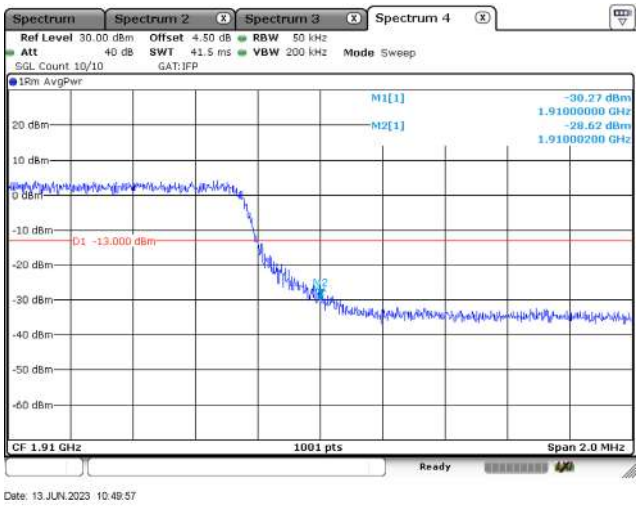
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1586.000	-60.65	-40.00	-20.65	-46.00	-14.65	Peak
2	2379.000	-61.22	-13.00	-48.22	-48.96	-12.26	Peak
3	3172.000	-58.79	-13.00	-45.79	-48.48	-10.31	Peak

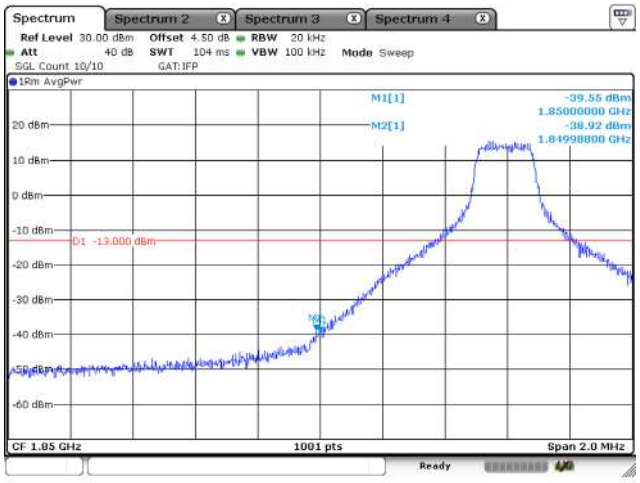
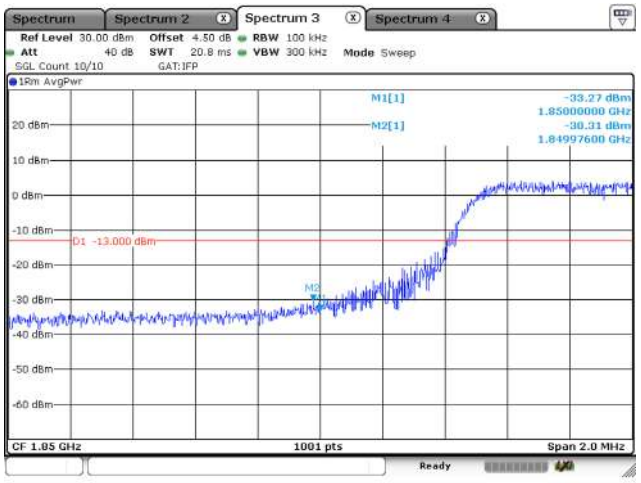
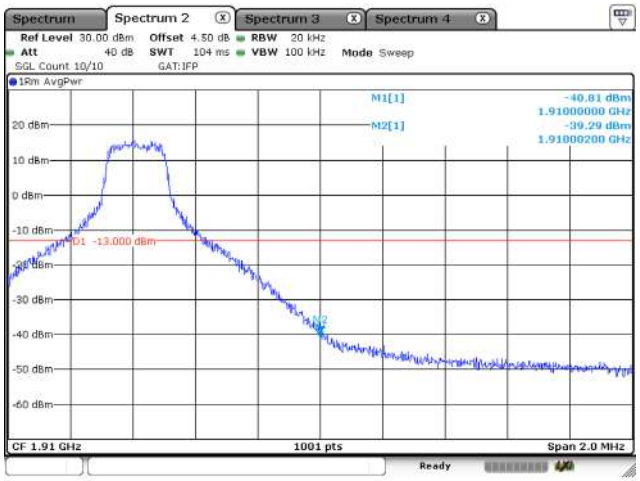
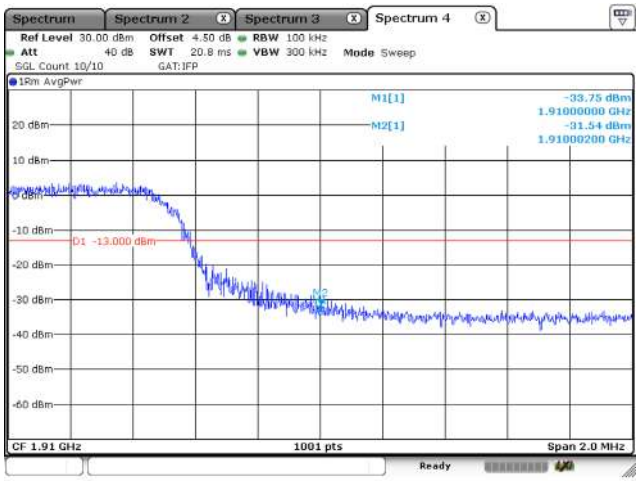
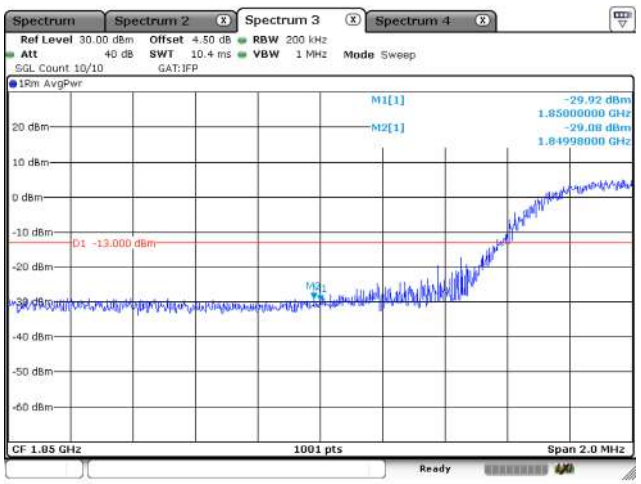
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission under 1GHz was not included since the emission levels are very low against the limit.

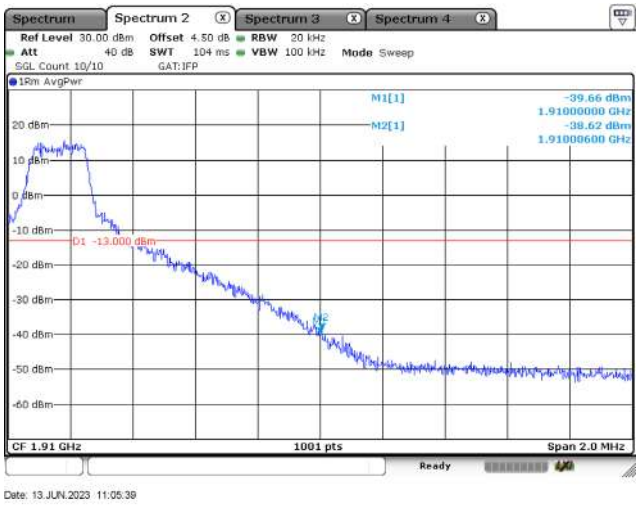
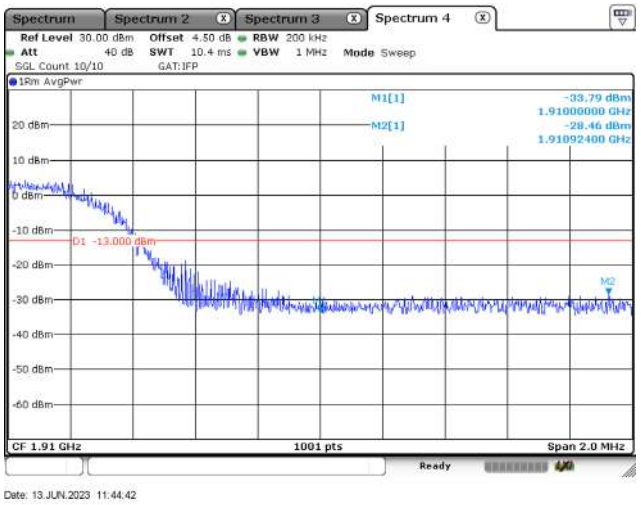
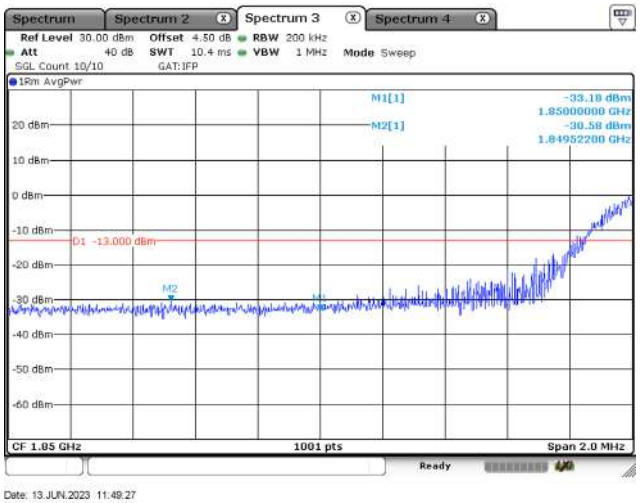
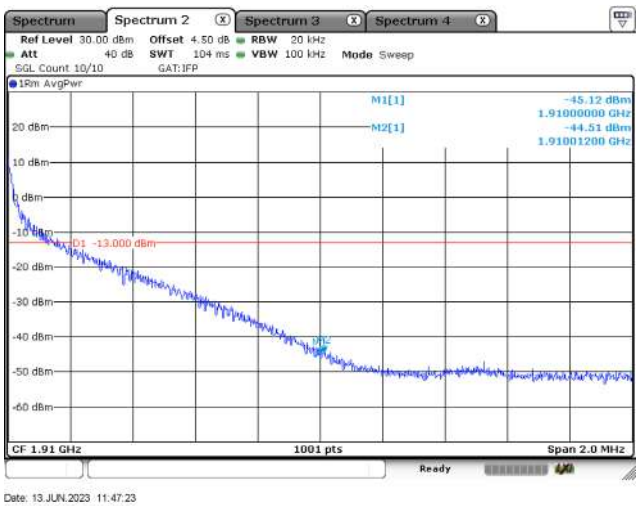
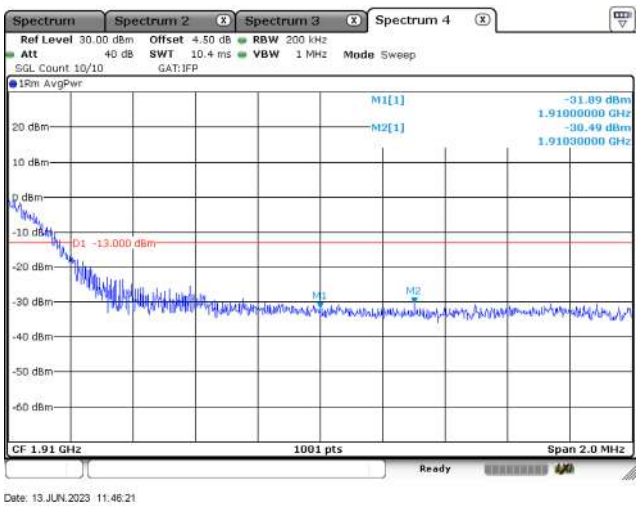
Appendix E. Test Result of Conducted Band Edge

Mode 1: LTE Band 2

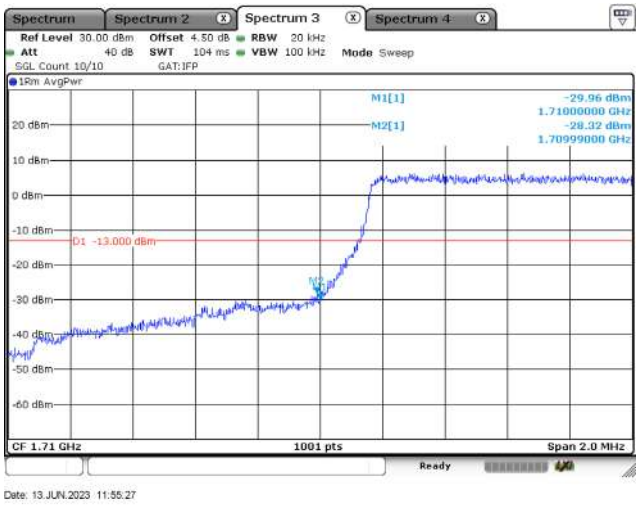
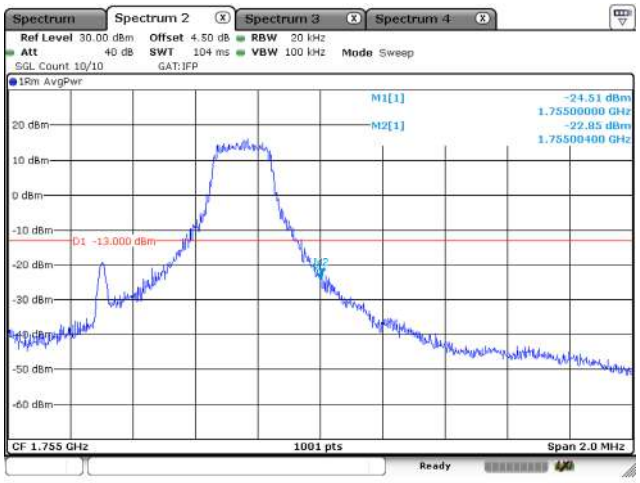
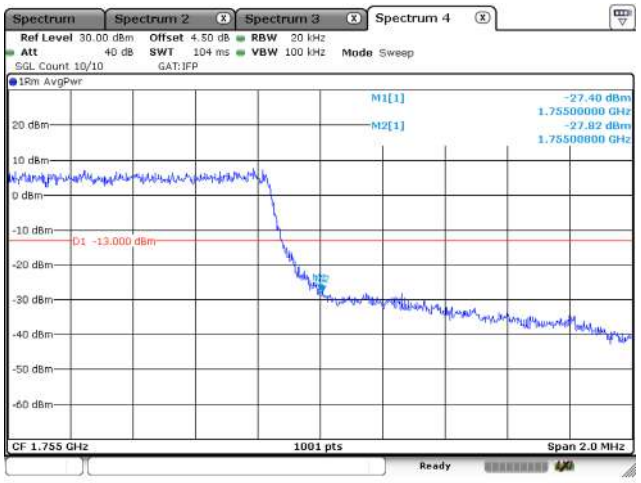
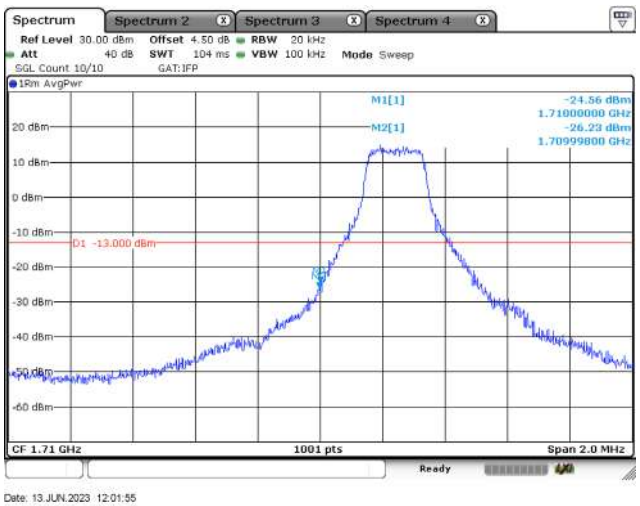
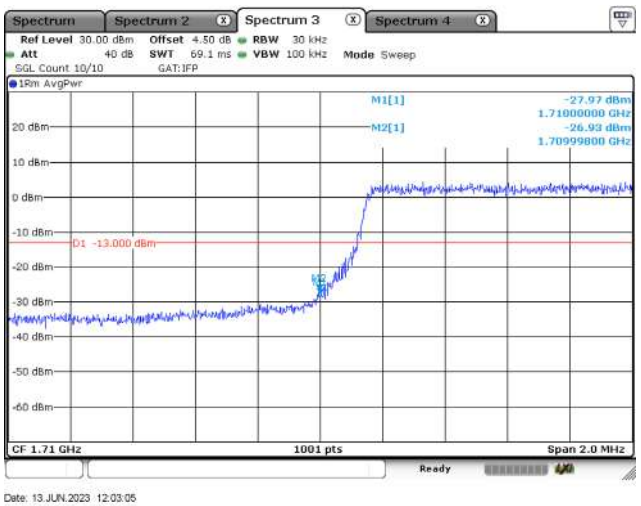
LTE Band 2_CH18607_1.4 MHz_QPSK_1RB	LTE Band 2_CH18607_1.4 MHz_QPSK_Full RB
	
LTE Band 2_CH19193_1.4 MHz_QPSK_1RB	LTE Band 2_CH19193_1.4 MHz_QPSK_Full RB
	
LTE Band 2_CH18615_3 MHz_QPSK_1RB	LTE Band 2_CH18615_3 MHz_QPSK_Full RB
	

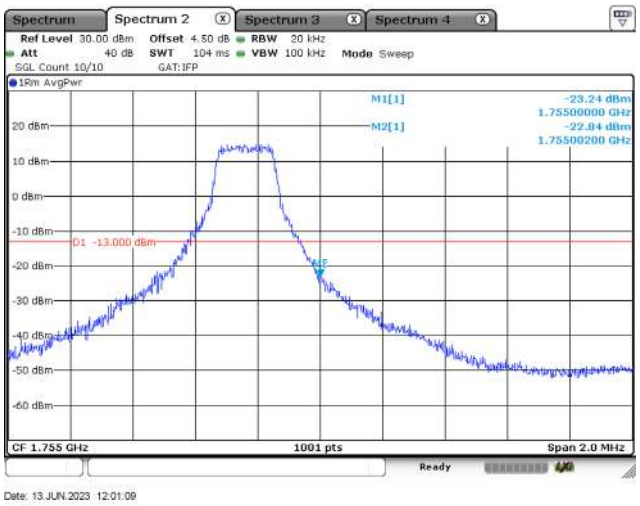
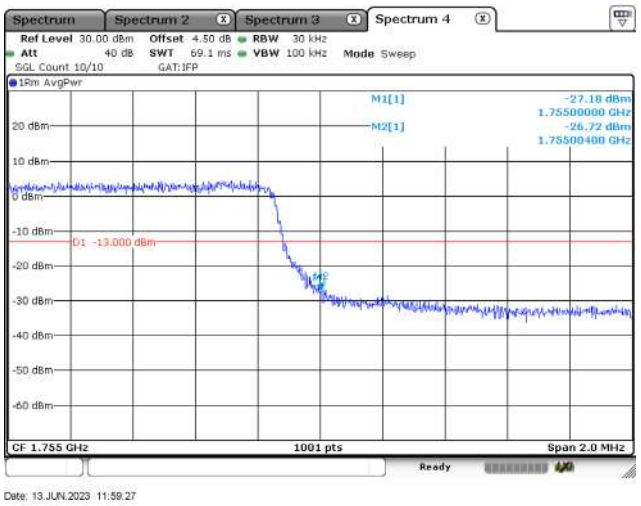
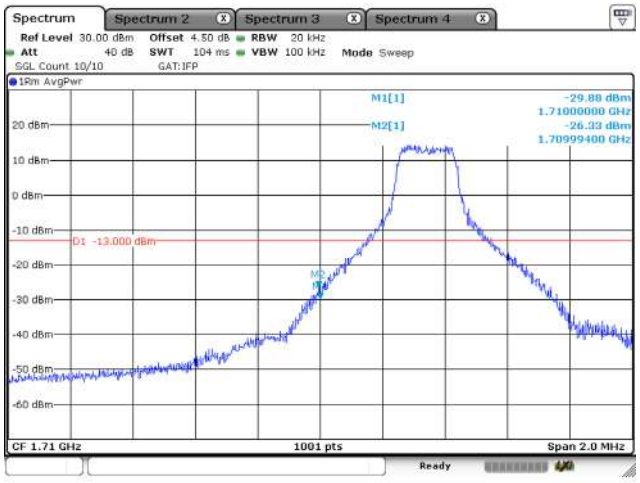
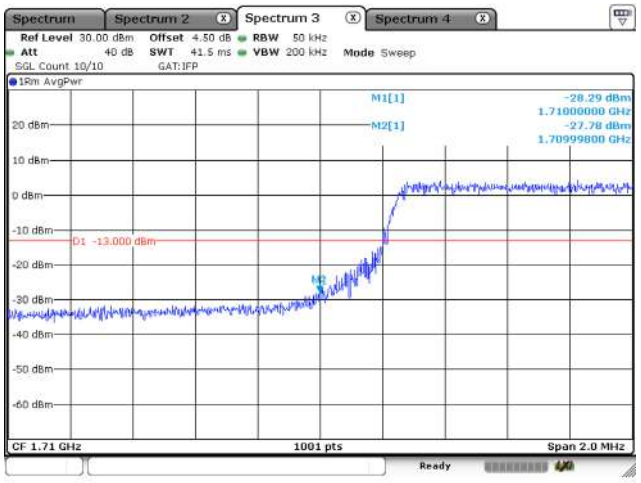
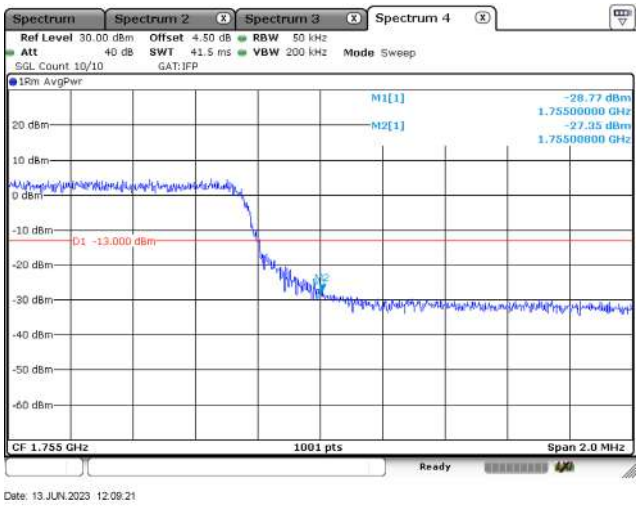
LTE Band 2_CH19185_3 MHz_QPSK_1RB	LTE Band 2_CH19185_3 MHz_QPSK_Full RB
	
LTE Band 2_CH18625_5 MHz_QPSK_1RB	LTE Band 2_CH18625_5 MHz_QPSK_Full RB
	
LTE Band 2_CH19175_5 MHz_QPSK_1RB	LTE Band 2_CH19175_5 MHz_QPSK_Full RB
	

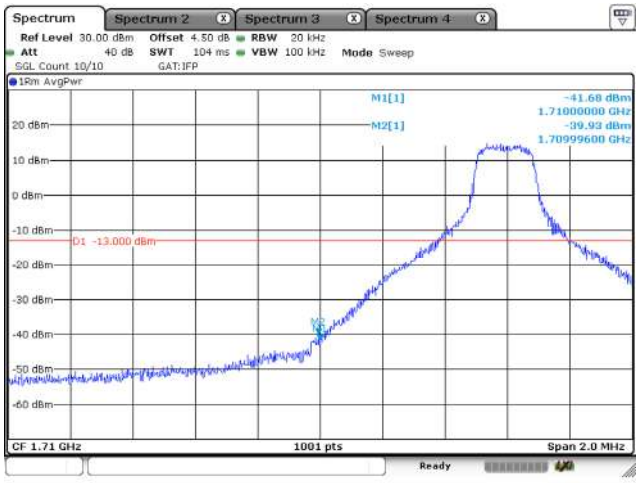
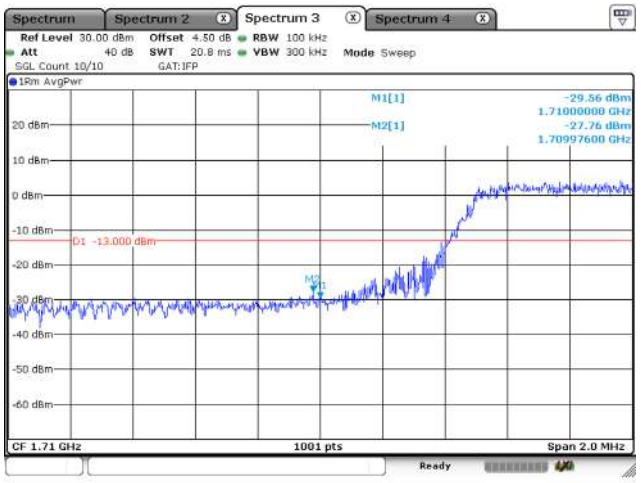
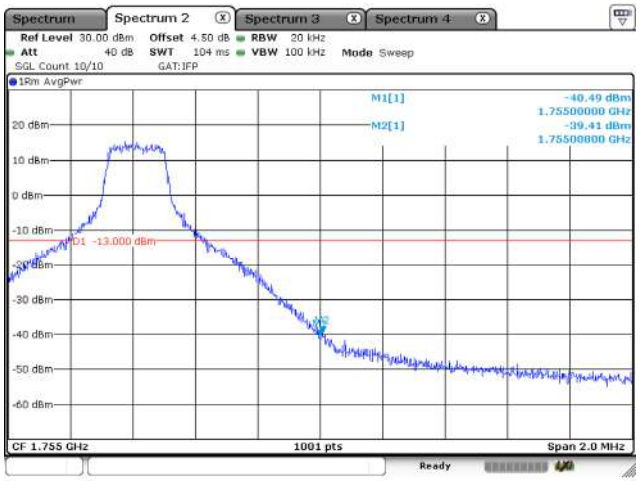
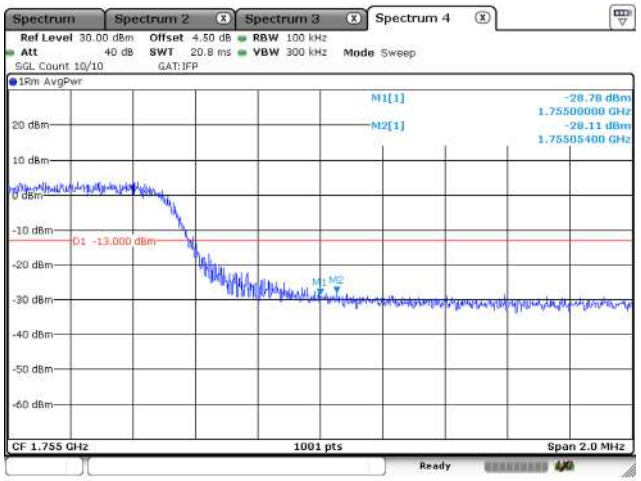
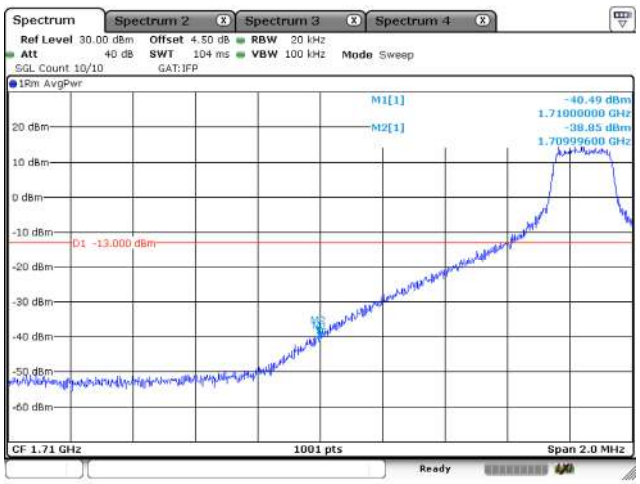
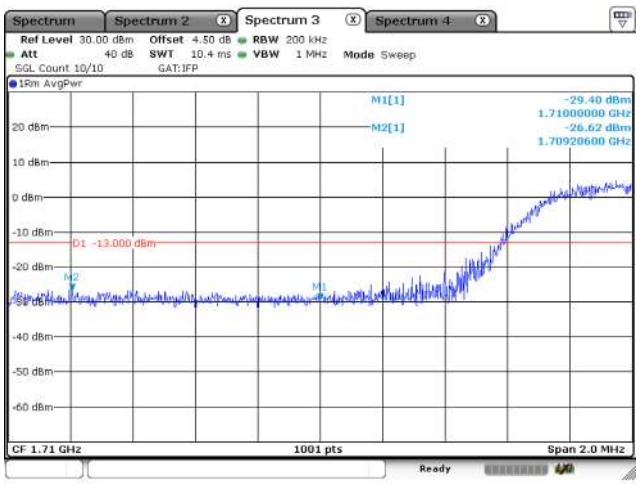
LTE Band 2_CH18650_10 MHz_QPSK_1RB	LTE Band 2_CH18650_10 MHz_QPSK_Full RB
	
LTE Band 2_CH19150_10 MHz_QPSK_1RB	LTE Band 2_CH19150_10 MHz_QPSK_Full RB
	
LTE Band 2_CH18675_15 MHz_QPSK_1RB	LTE Band 2_CH18675_15 MHz_QPSK_Full RB
	

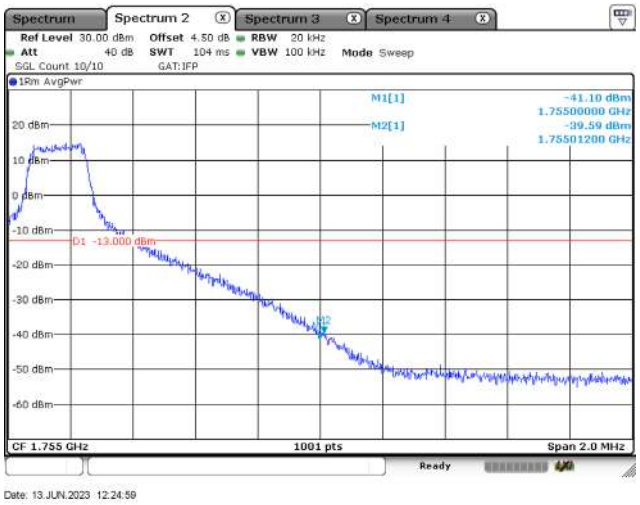
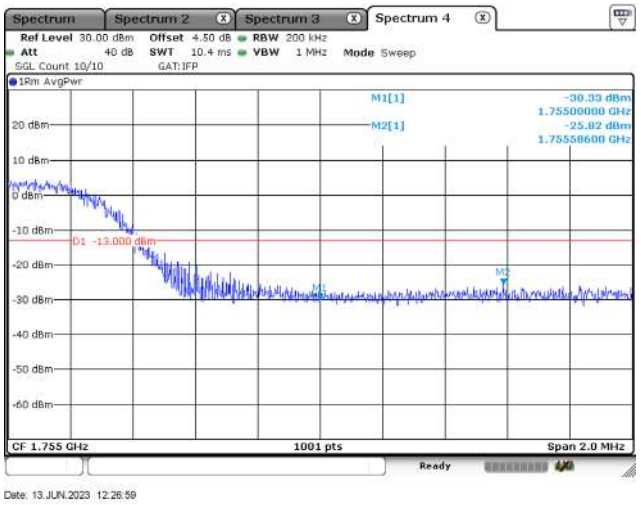
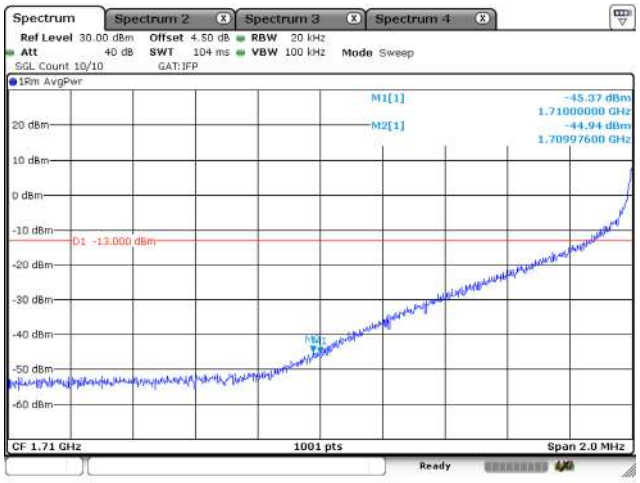
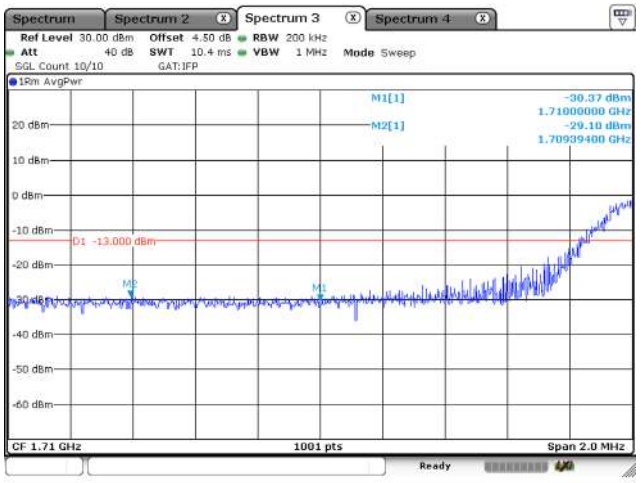
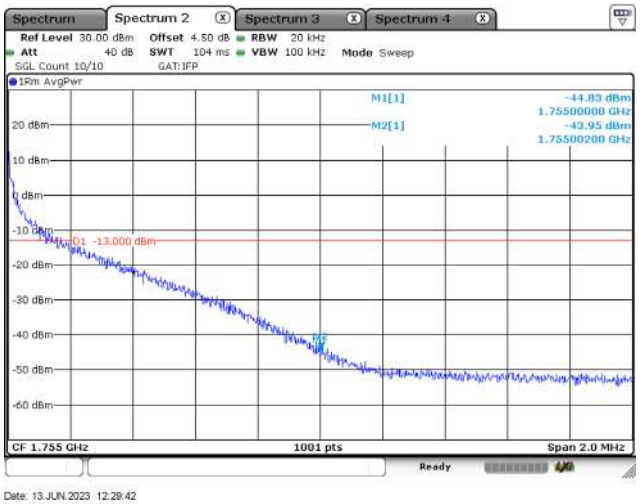
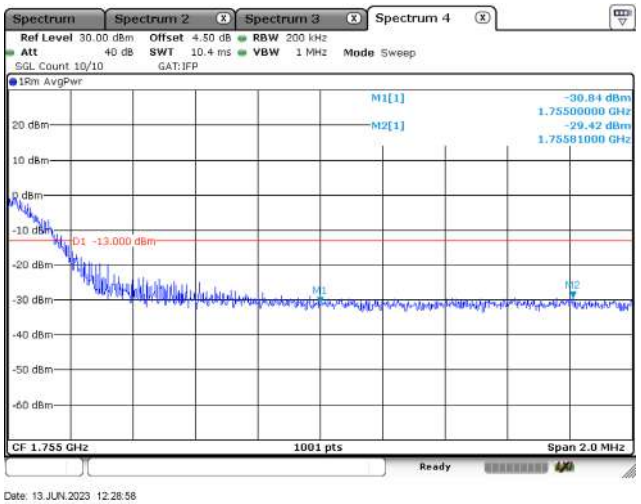
LTE Band 2_CH19125_15 MHz_QPSK_1RB	LTE Band 2_CH19125_15 MHz_QPSK_Full RB
	
LTE Band 2_CH18700_20 MHz_QPSK_1RB	LTE Band 2_CH18700_20 MHz_QPSK_Full RB
	
LTE Band 2_CH19100_20 MHz_QPSK_1RB	LTE Band 2_CH19100_20 MHz_QPSK_Full RB
	

Mode 2: LTE Band 4

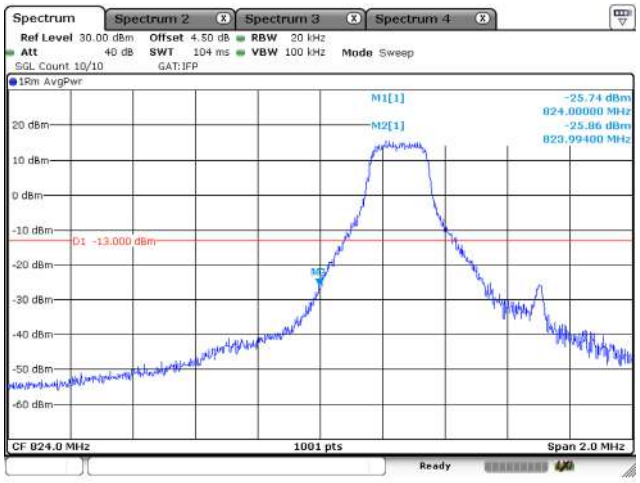
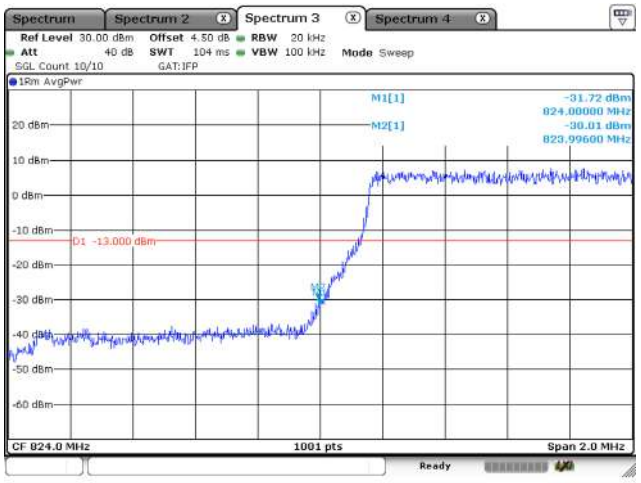
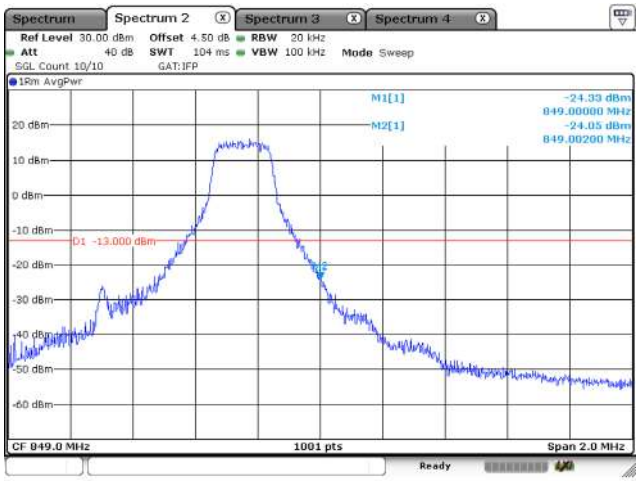
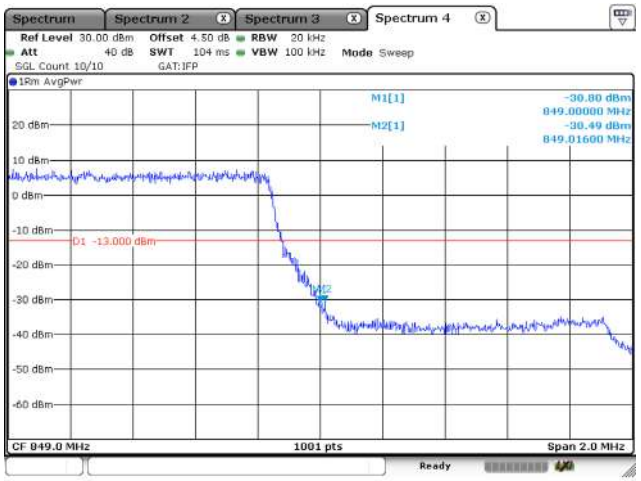
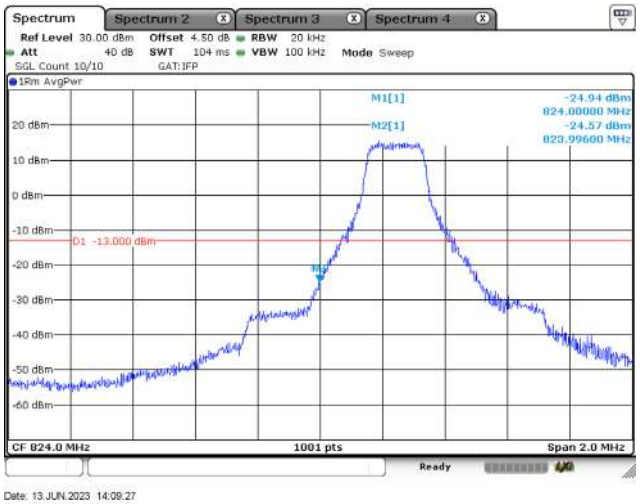
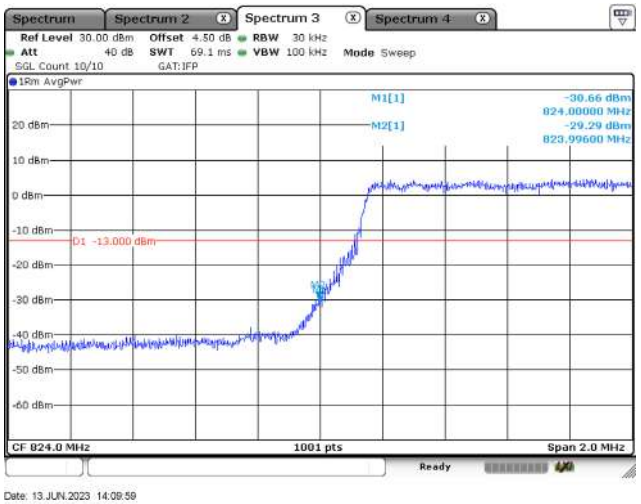
LTE Band 4_CH19957_1.4 MHz_QPSK_1RB	LTE Band 4_CH19957_1.4 MHz_QPSK_Full RB
	
LTE Band 4_CH20393_1.4 MHz_QPSK_1RB	LTE Band 4_CH20393_1.4 MHz_QPSK_Full RB
	
LTE Band 4_CH19965_3 MHz_QPSK_1RB	LTE Band 4_CH19965_3 MHz_QPSK_Full RB
	

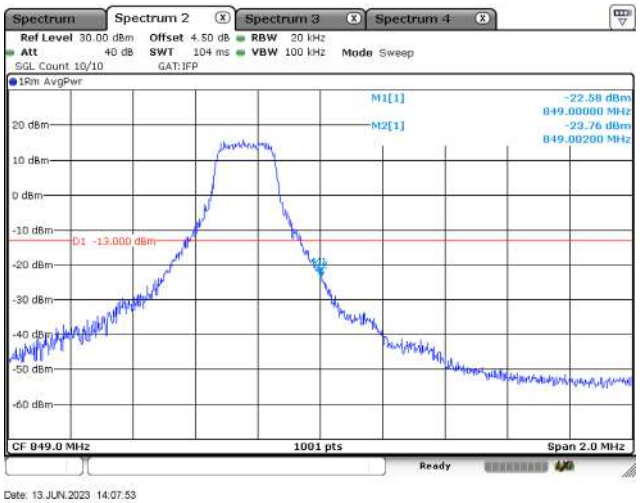
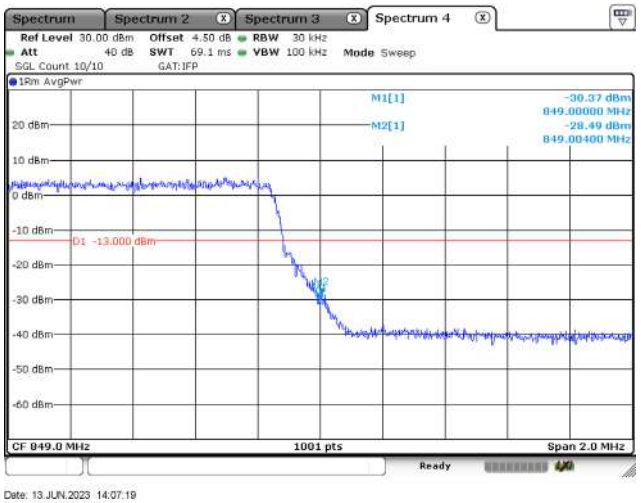
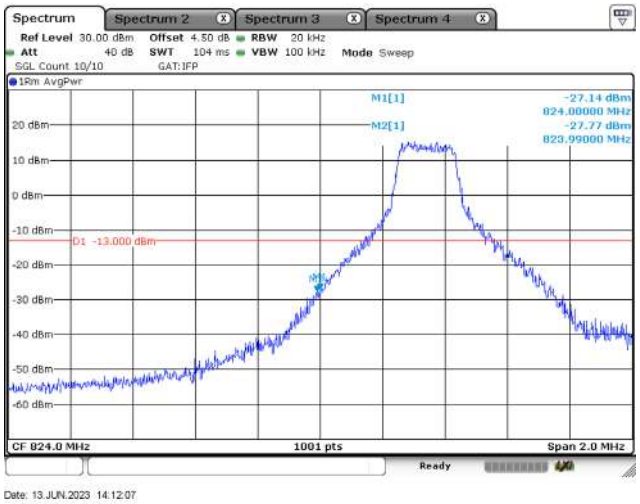
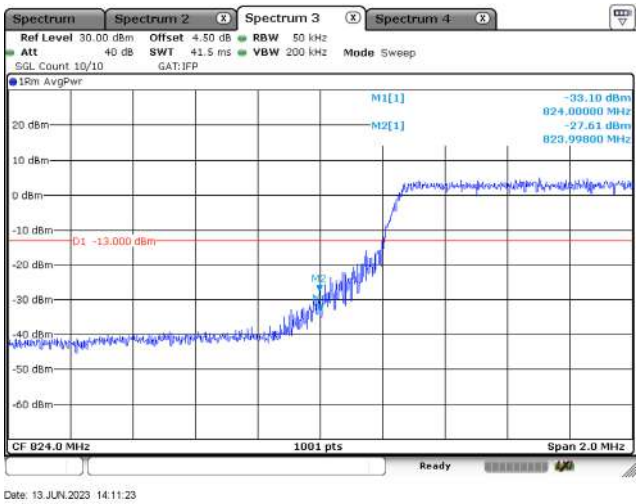
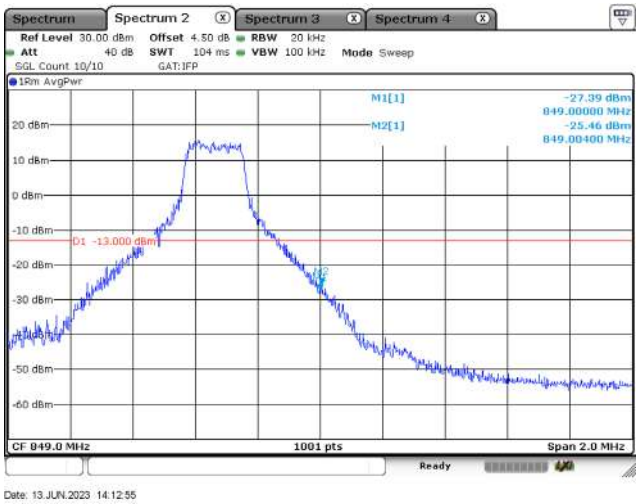
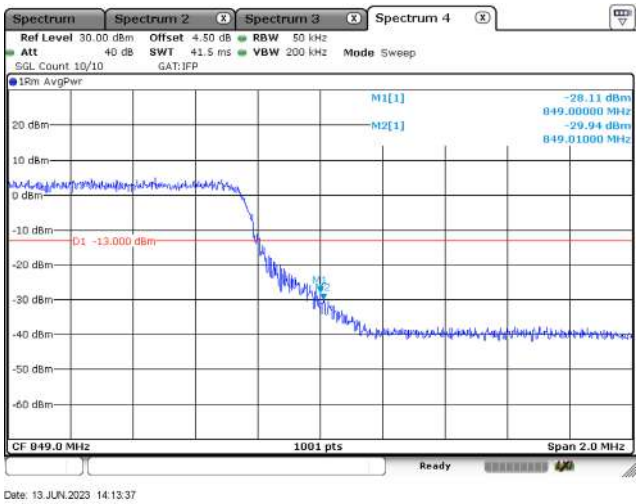
LTE Band 4_CH20385_3 MHz_QPSK_1RB	LTE Band 4_CH20385_3 MHz_QPSK_Full RB
	
LTE Band 4_CH19975_5 MHz_QPSK_1RB	LTE Band 4_CH19975_5 MHz_QPSK_Full RB
	
LTE Band 4_CH20375_5 MHz_QPSK_1RB	LTE Band 4_CH20375_5 MHz_QPSK_Full RB
	

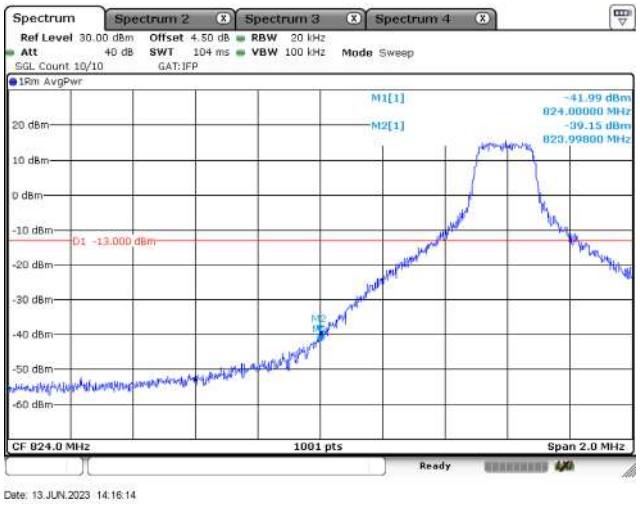
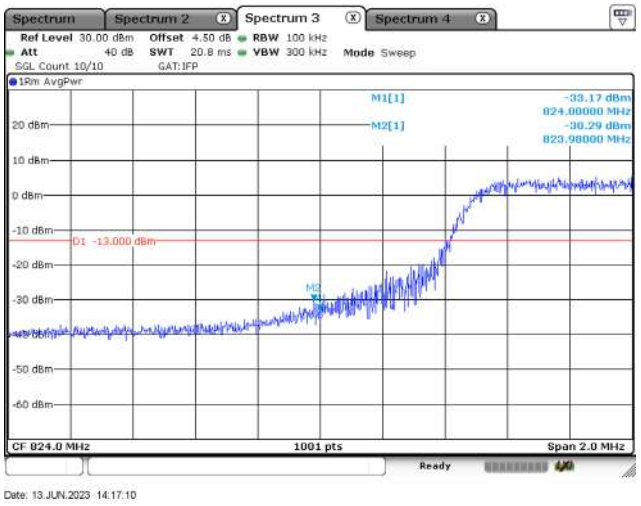
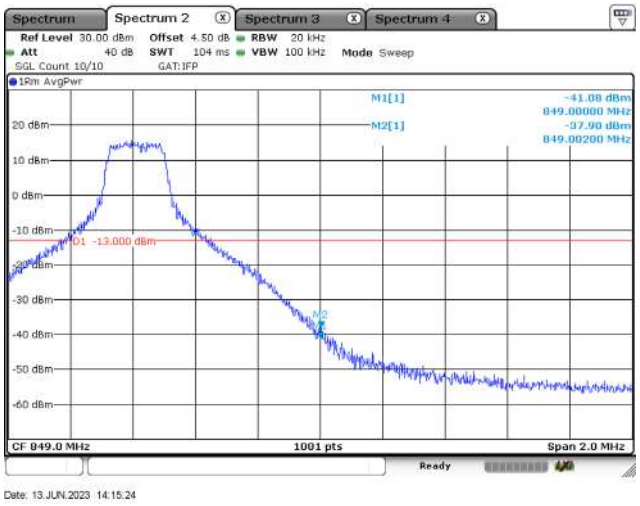
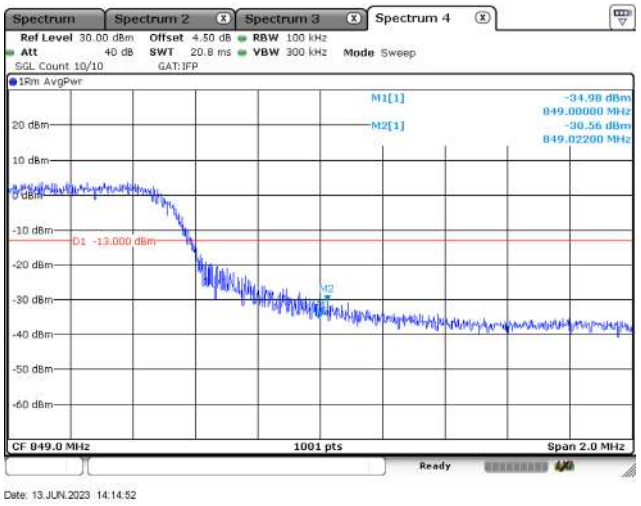
LTE Band 4_CH20000_10 MHz_QPSK_1RB	LTE Band 4_CH20000_10 MHz_QPSK_Full RB
	
LTE Band 4_CH20350_10 MHz_QPSK_1RB	LTE Band 4_CH20350_10 MHz_QPSK_Full RB
	
LTE Band 4_CH20025_15 MHz_QPSK_1RB	LTE Band 4_CH20025_15 MHz_QPSK_Full RB
	

LTE Band 4_CH20325_15 MHz_QPSK_1RB	LTE Band 4_CH20325_15 MHz_QPSK_Full RB
	
LTE Band 4_CH20050_20 MHz_QPSK_1RB	LTE Band 4_CH20050_20 MHz_QPSK_Full RB
	
LTE Band 4_CH20300_20 MHz_QPSK_1RB	LTE Band 4_CH20300_20 MHz_QPSK_Full RB
	

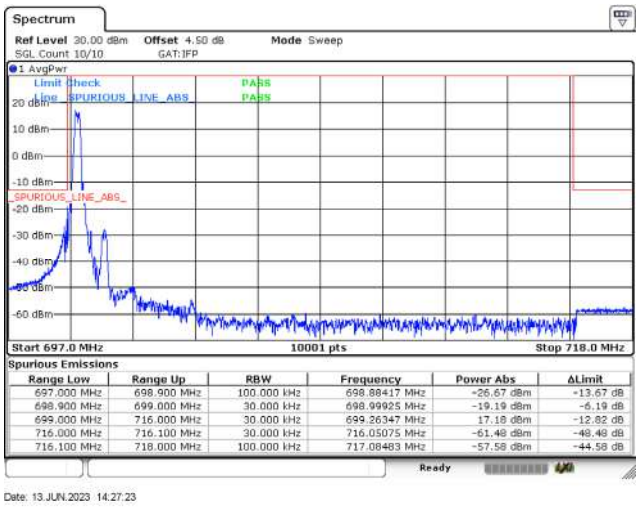
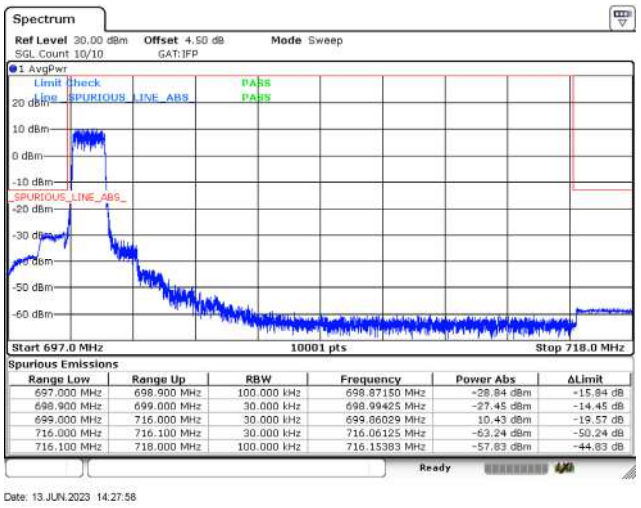
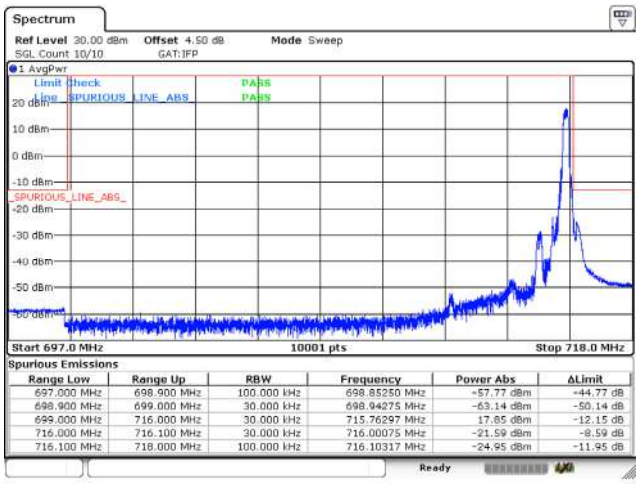
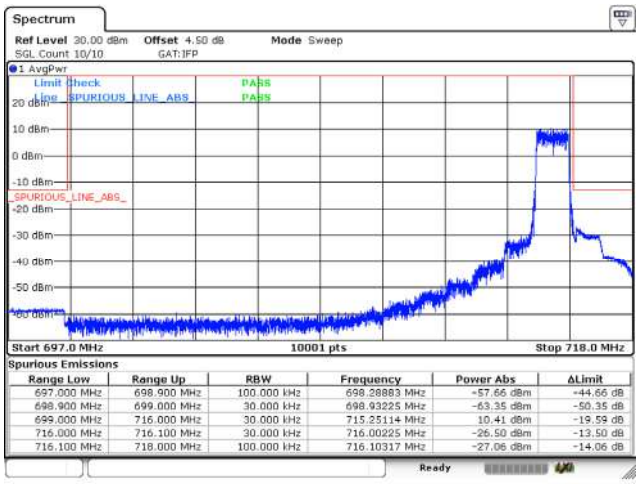
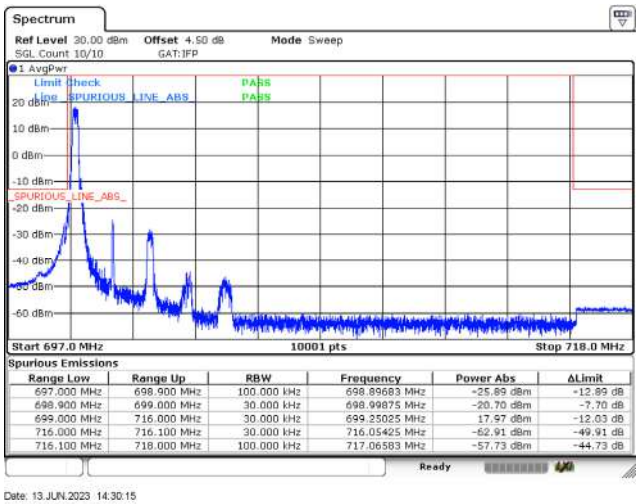
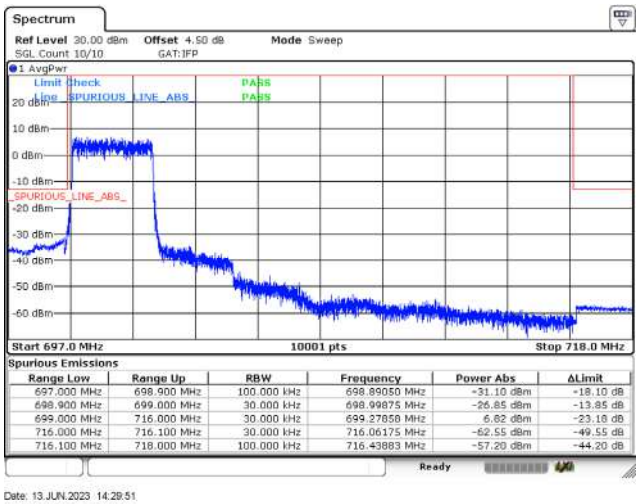
Mode 3: LTE Band 5

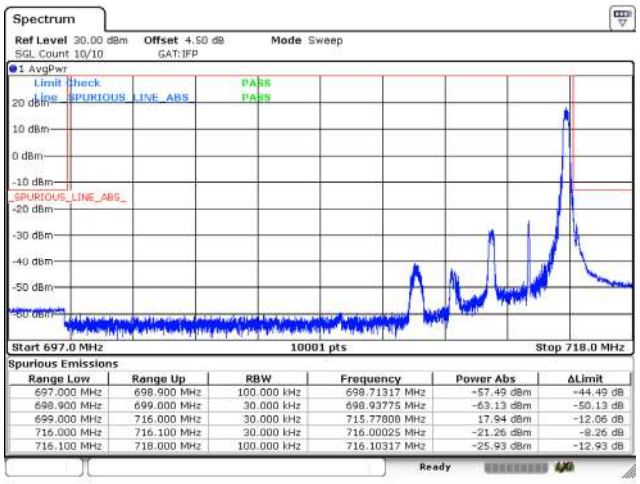
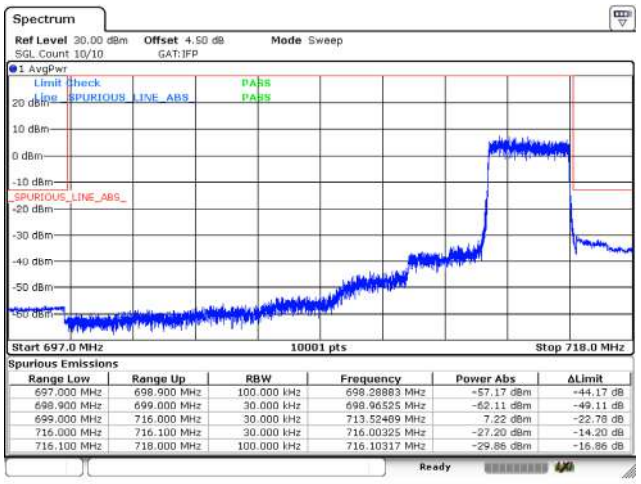
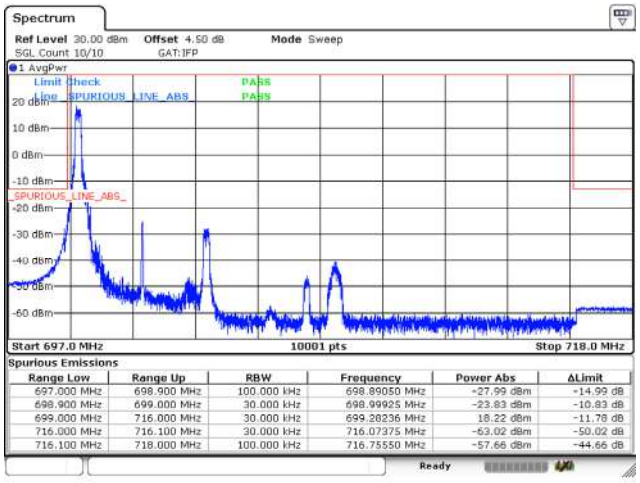
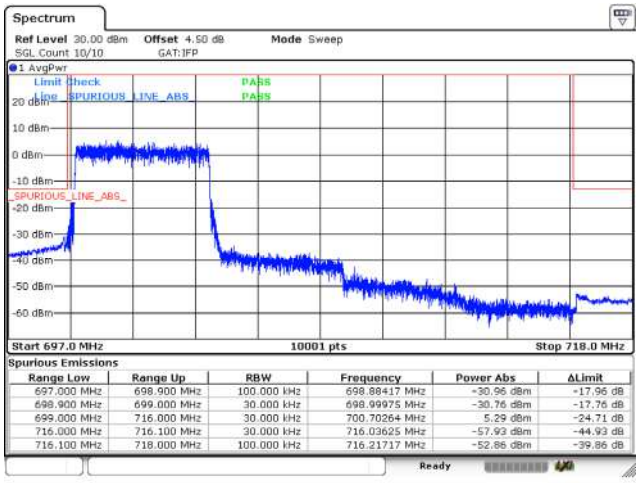
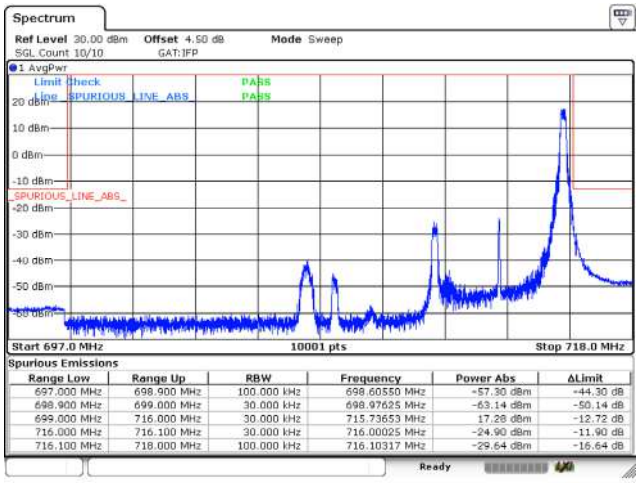
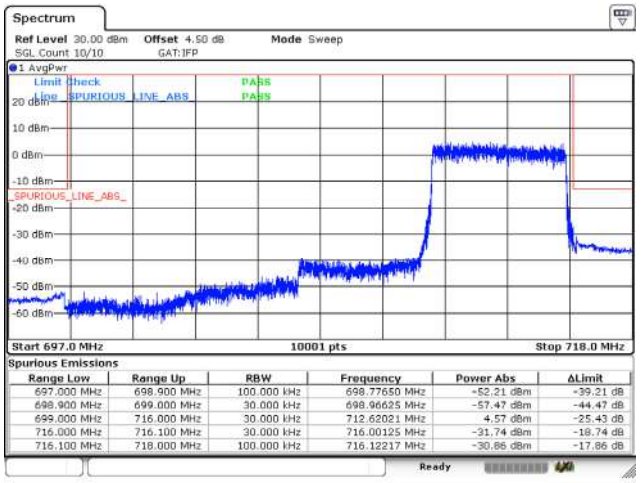
LTE Band 5_CH20407_1.4 MHz_QPSK_1RB	LTE Band 5_CH20407_1.4 MHz_QPSK_ Full RB
	
LTE Band 5_CH20643_1.4 MHz_QPSK_1RB	LTE Band 5_CH20643_1.4 MHz_QPSK_Full RB
	
LTE Band 5_CH20415_3 MHz_QPSK_1RB	LTE Band 5_CH20415_3 MHz_QPSK_Full RB
	

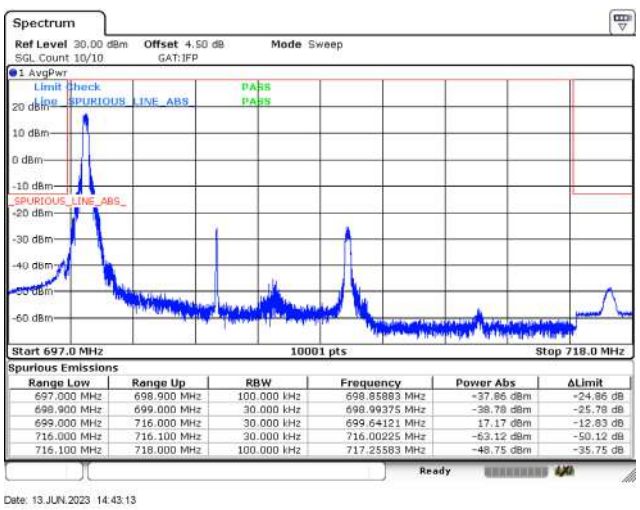
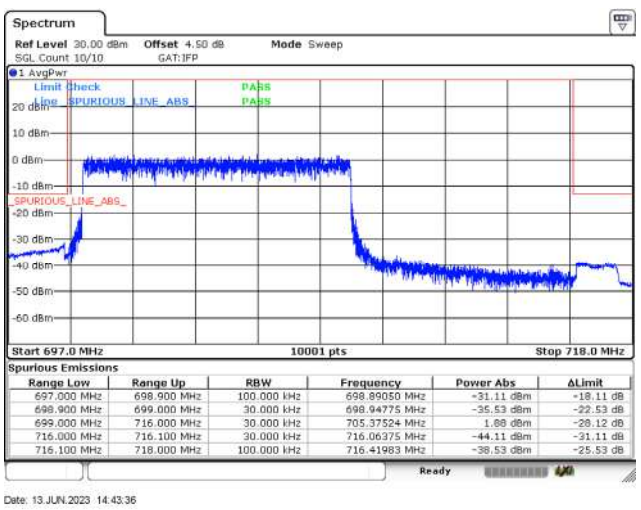
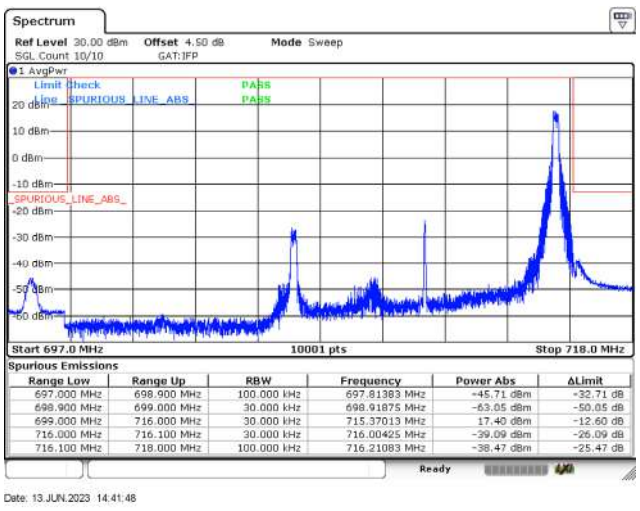
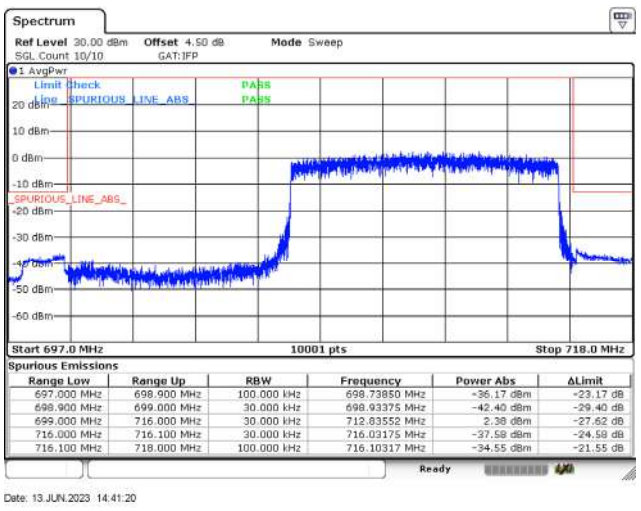
LTE Band 5_CH20635_3 MHz_QPSK_1RB	LTE Band 5_CH20635_3 MHz_QPSK_Full RB
	
LTE Band 5_CH20425_5 MHz_QPSK_1RB	LTE Band 5_CH20425_5 MHz_QPSK_Full RB
	
LTE Band 5_CH20625_5 MHz_QPSK_1RB	LTE Band 5_CH20625_5 MHz_QPSK_Full RB
	

LTE Band 5_CH20450_10 MHz_QPSK_1RB	LTE Band 5_CH20450_10 MHz_QPSK_Full RB
	
LTE Band 5_CH20600_10 MHz_QPSK_1RB	LTE Band 5_CH20600_10 MHz_QPSK_Full RB
	

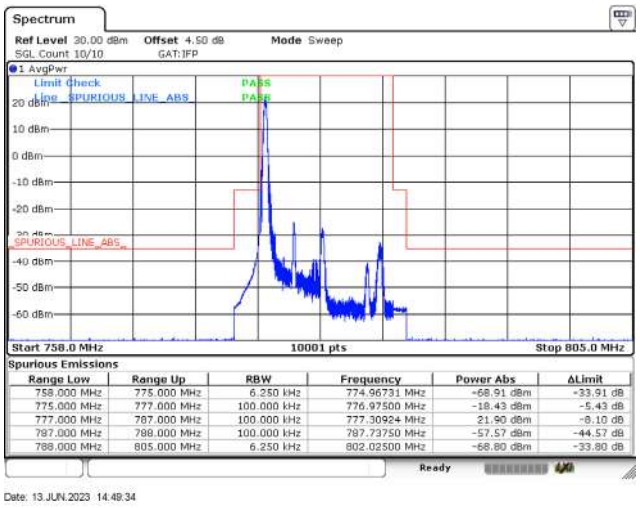
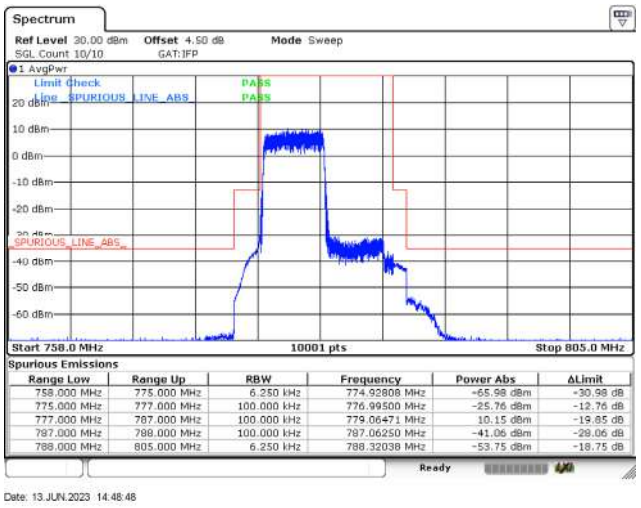
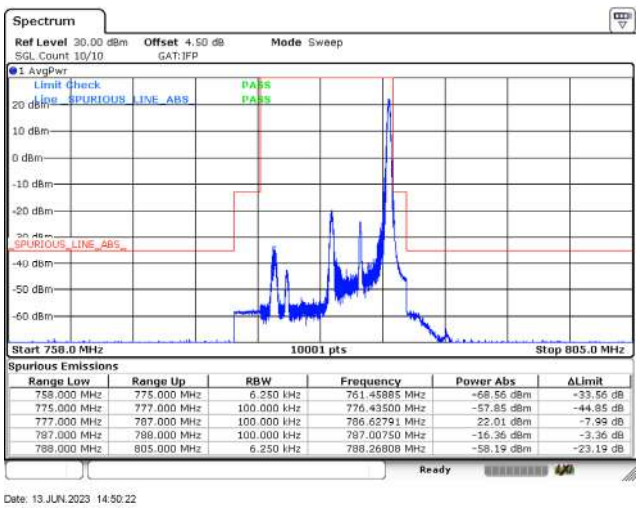
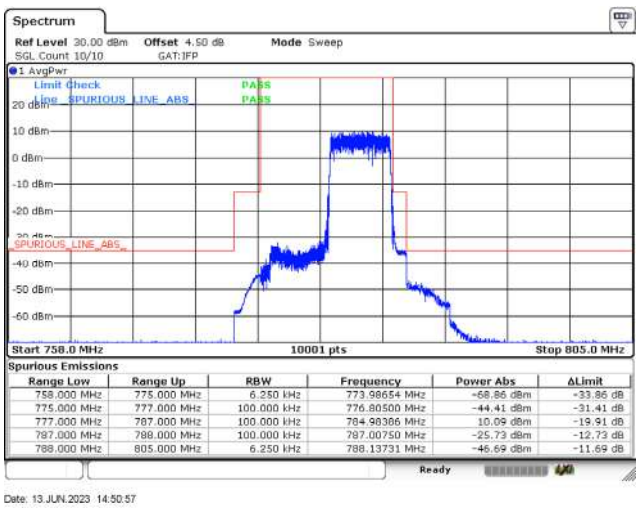
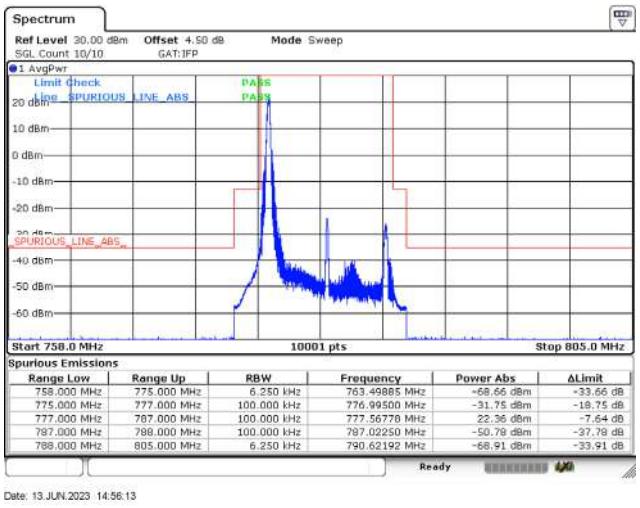
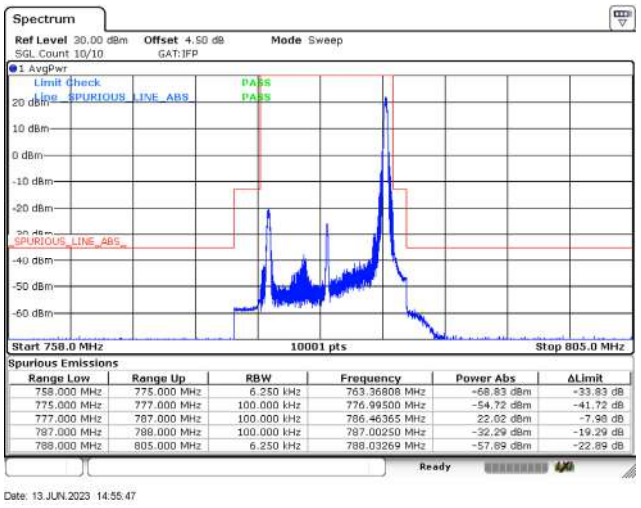
Mode 4: LTE Band 12

LTE Band 12_CH23017_1.4 MHz_QPSK_1RB	LTE Band 12_CH23017_1.4 MHz_QPSK_Full RB
	
LTE Band 12_CH23173_1.4 MHz_QPSK_1RB	LTE Band 12_CH23173_1.4 MHz_QPSK_Full RB
	
LTE Band 12_CH23025_3 MHz_QPSK_1RB	LTE Band 12_CH23025_3 MHz_QPSK_Full RB
	

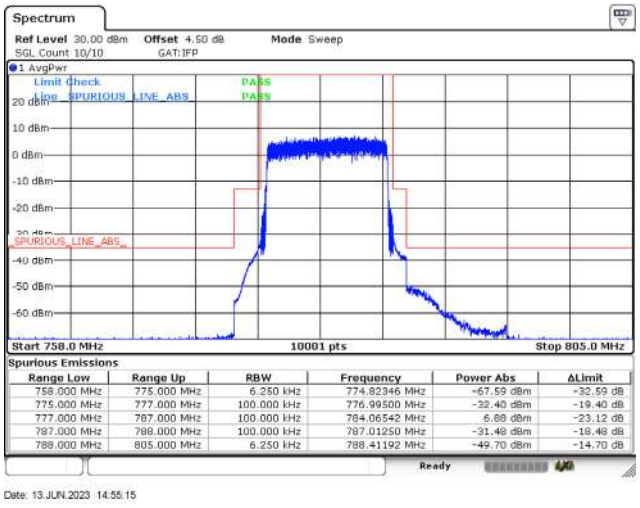
LTE Band 12_CH23165_3 MHz_QPSK_1RB	LTE Band 12_CH23165_3 MHz_QPSK_Full RB
 Date: 13.JUN.2023 14:30:57	 Date: 13.JUN.2023 14:31:29
LTE Band 12_CH23035_5 MHz_QPSK_1RB	LTE Band 12_CH23035_5 MHz_QPSK_Full RB
 Date: 13.JUN.2023 14:33:54	 Date: 13.JUN.2023 14:33:15
LTE Band 12_CH23155_5 MHz_QPSK_1RB	LTE Band 12_CH23155_5 MHz_QPSK_Full RB
 Date: 13.JUN.2023 14:34:47	 Date: 13.JUN.2023 14:37:04

LTE Band 12_CH23060_10 MHz_QPSK_1RB	LTE Band 12_CH23060_10 MHz_QPSK_Full RB
	
LTE Band 12_CH23130_10 MHz_QPSK_1RB	LTE Band 12_CH23130_10 MHz_QPSK_Full RB
	

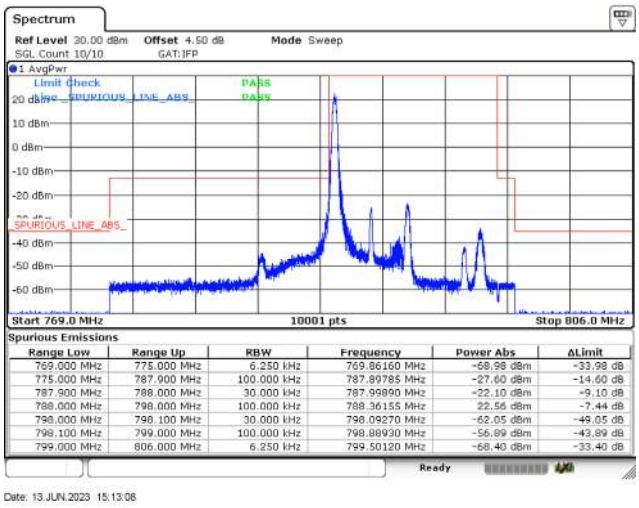
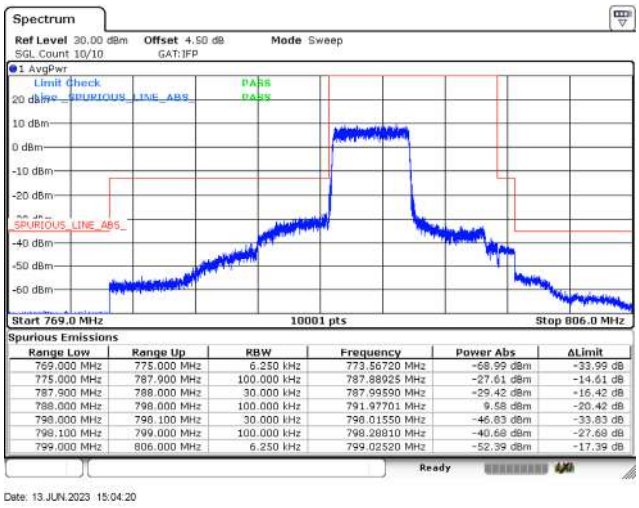
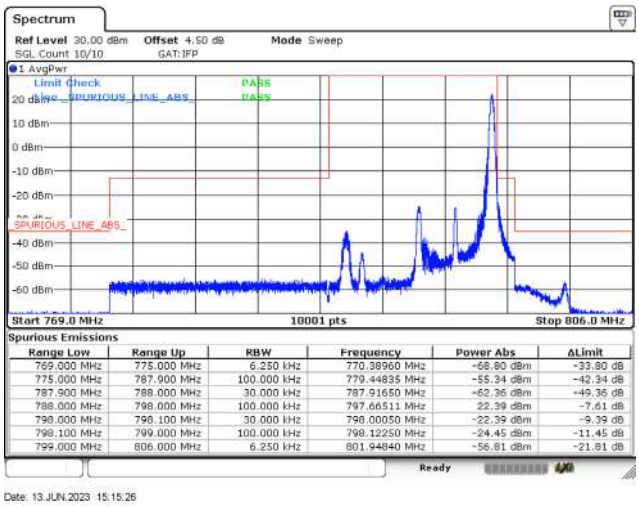
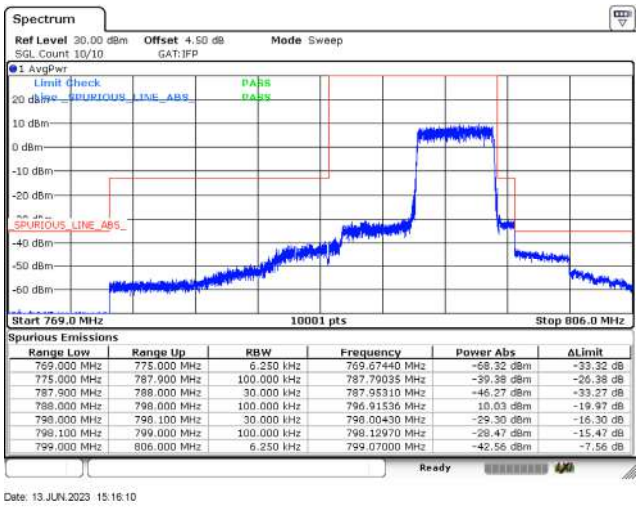
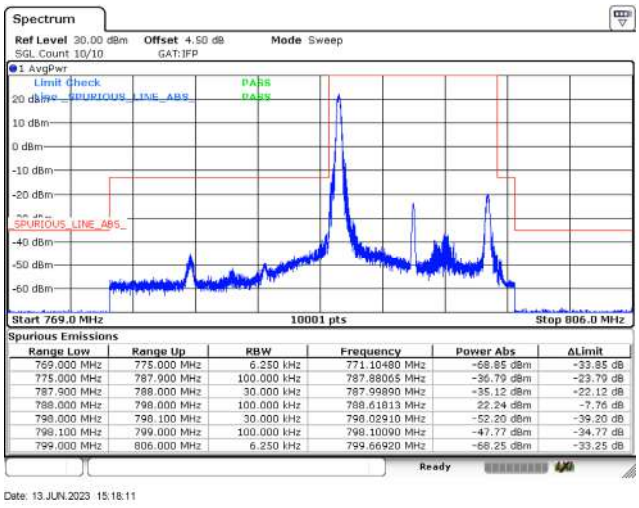
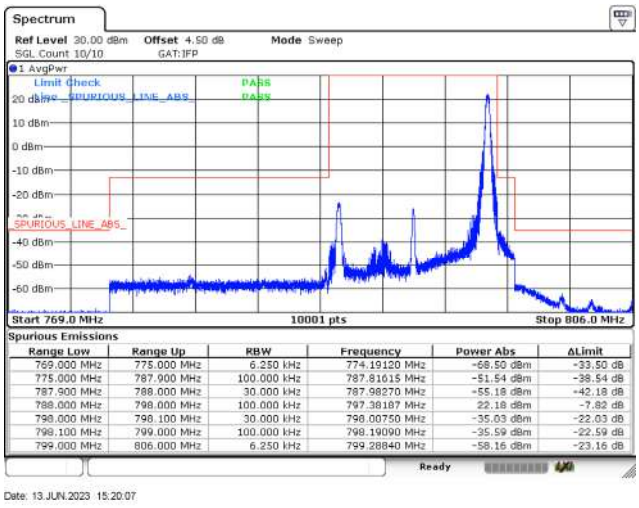
Mode 5: LTE Band 13

LTE Band 13_CH23205_5 MHz_QPSK_1RB	LTE Band 13_CH23205_5 MHz_QPSK_Full RB
	
LTE Band 13_CH23255_5 MHz_QPSK_1RB	LTE Band 13_CH23255_5 MHz_QPSK_Full RB
	
LTE Band 13_CH23230_10 MHz_QPSK_1RBL	LTE Band 13_CH23230_10 MHz_QPSK_1RBH
	

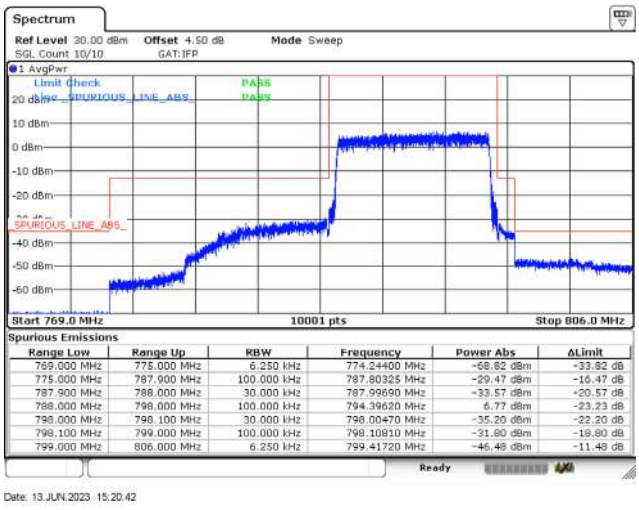
LTE Band 13_CH23230_10 MHz_QPSK_Full RB



Mode 6: LTE Band 14

LTE Band 14_CH23305_5 MHz_QPSK_1RB	LTE Band 14_CH23305_5 MHz_QPSK_Full RB
	
LTE Band 14_CH23355_5 MHz_QPSK_1RB	LTE Band 14_CH23355_5 MHz_QPSK_Full RB
	
LTE Band 14_CH23330_10 MHz_QPSK_1RBL	LTE Band 14_CH23330_10 MHz_QPSK_1RBH
	

LTE Band 14_CH23330_10 MHz_QPSK_Full RB



Appendix F. Test Result of Frequency Stability

Mode 1: LTE Band 2

LTE Band 2 / 1.4 MHz / 1850.7 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.31	0.0012
3.80	3.12	0.0017
3.23	2.50	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.39	0.0018
-20	2.45	0.0013
-10	2.90	0.0016
0	2.35	0.0013
10	2.76	0.0015
20	2.82	0.0015
30	2.97	0.0016
40	3.11	0.0017
50	2.36	0.0013

LTE Band 2 / 1.4 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.43	0.0013
3.80	2.12	0.0011
3.23	1.32	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.69	0.0009
-20	1.52	0.0008
-10	2.71	0.0014
0	1.88	0.0010
10	1.34	0.0007
20	1.34	0.0007
30	0.85	0.0005
40	1.27	0.0007
50	2.17	0.0012

LTE Band 2 / 1.4 MHz / 1909.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.96	0.0016
3.80	2.97	0.0016
3.23	1.91	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.90	0.0015
-20	3.22	0.0017
-10	2.00	0.0010
0	2.00	0.0010
10	2.26	0.0012
20	1.86	0.0010
30	1.88	0.0010
40	2.46	0.0013
50	2.01	0.0011

LTE Band 2 / 3 MHz / 1851.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.10	0.0017
3.80	4.15	0.0022
3.23	3.47	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.33	0.0018
-20	4.18	0.0023
-10	3.03	0.0016
0	3.74	0.0020
10	3.13	0.0017
20	2.90	0.0016
30	3.65	0.0020
40	3.97	0.0021
50	4.33	0.0023

LTE Band 2 / 3 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	-0.36	-0.0002
3.80	0.15	0.0001
3.23	0.30	0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.30	-0.0002
-20	-0.54	-0.0003
-10	0.15	0.0001
0	-0.87	-0.0005
10	-0.97	-0.0005
20	-1.06	-0.0006
30	-0.88	-0.0005
40	-0.65	-0.0003
50	-0.94	-0.0005

LTE Band 2 / 3 MHz / 1908.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.63	0.0014
3.80	3.41	0.0018
3.23	3.11	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.11	0.0016
-20	2.96	0.0016
-10	3.49	0.0018
0	2.09	0.0011
10	2.95	0.0015
20	2.94	0.0015
30	3.00	0.0016
40	2.91	0.0015
50	2.93	0.0015

LTE Band 2 / 5 MHz / 1852.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.25	0.0018
3.80	3.86	0.0021
3.23	3.92	0.0021

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	4.23	0.0023
-20	3.07	0.0017
-10	3.92	0.0021
0	2.89	0.0016
10	2.78	0.0015
20	3.92	0.0021
30	4.11	0.0022
40	2.87	0.0015
50	3.58	0.0019

LTE Band 2 / 5 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.28	0.0001
3.80	0.18	0.0001
3.23	-0.46	-0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.41	-0.0002
-20	-0.72	-0.0004
-10	-0.97	-0.0005
0	-0.50	-0.0003
10	0.15	0.0001
20	0.47	0.0003
30	0.18	0.0001
40	0.18	0.0001
50	-1.27	-0.0007

LTE Band 2 / 5 MHz / 1907.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.04	0.0016
3.80	3.61	0.0019
3.23	2.27	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	4.00	0.0021
-20	2.46	0.0013
-10	2.24	0.0012
0	2.87	0.0015
10	2.73	0.0014
20	3.01	0.0016
30	2.12	0.0011
40	3.41	0.0018
50	2.72	0.0014

LTE Band 2 / 10 MHz / 1855 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.18	0.0017
3.80	3.40	0.0018
3.23	3.23	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.79	0.0010
-20	2.99	0.0016
-10	3.52	0.0019
0	2.59	0.0014
10	2.95	0.0016
20	3.41	0.0018
30	2.53	0.0014
40	3.40	0.0018
50	3.73	0.0020

LTE Band 2 / 10 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	-0.90	-0.0005
3.80	0.22	0.0001
3.23	-0.42	-0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.13	-0.0001
-20	-0.53	-0.0003
-10	0.22	0.0001
0	-1.00	-0.0005
10	-0.23	-0.0001
20	0.33	0.0002
30	-0.17	-0.0001
40	-0.56	-0.0003
50	-0.77	-0.0004

LTE Band 2 / 10 MHz / 1905 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.16	0.0017
3.80	3.25	0.0017
3.23	3.24	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.66	0.0014
-20	3.26	0.0017
-10	3.13	0.0016
0	3.58	0.0019
10	2.33	0.0012
20	3.12	0.0016
30	3.12	0.0016
40	3.41	0.0018
50	3.15	0.0017

LTE Band 2 / 15 MHz / 1857.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.02	0.0016
3.80	3.77	0.0020
3.23	3.34	0.0018

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.67	0.0020
-20	3.26	0.0018
-10	3.20	0.0017
0	2.43	0.0013
10	2.63	0.0014
20	4.60	0.0025
30	3.69	0.0020
40	3.19	0.0017
50	3.01	0.0016

LTE Band 2 / 15 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	-1.44	-0.0008
3.80	0.22	0.0001
3.23	-0.12	-0.0001

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	-0.14	-0.0001
-20	-0.86	-0.0005
-10	-0.65	-0.0003
0	-0.51	-0.0003
10	-0.95	-0.0005
20	-0.18	-0.0001
30	-1.28	-0.0007
40	0.22	0.0001
50	-0.55	-0.0003

LTE Band 2 / 15 MHz / 1902.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	4.60	0.0024
3.80	4.32	0.0023
3.23	3.79	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.90	0.0020
-20	4.14	0.0022
-10	3.67	0.0019
0	3.69	0.0019
10	3.27	0.0017
20	4.22	0.0022
30	4.17	0.0022
40	3.36	0.0018
50	4.35	0.0023

LTE Band 2 / 20 MHz / 1860 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.18	0.0017
3.80	3.66	0.0020
3.23	3.09	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.83	0.0015
-20	2.33	0.0013
-10	2.45	0.0013
0	3.02	0.0016
10	2.82	0.0015
20	3.49	0.0019
30	3.03	0.0016
40	4.15	0.0022
50	3.12	0.0017

LTE Band 2 / 20 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.40	0.0002
3.80	0.15	0.0001
3.23	-0.92	-0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.16	0.0001
-20	-0.94	-0.0005
-10	-0.98	-0.0005
0	-1.22	-0.0006
10	-0.37	-0.0002
20	-0.53	-0.0003
30	-0.16	-0.0001
40	-0.22	-0.0001
50	-1.11	-0.0006

LTE Band 2 / 20 MHz / 1900 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	4.06	0.0021
3.80	4.07	0.0021
3.23	3.83	0.0020

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	4.36	0.0023
-20	3.36	0.0018
-10	4.33	0.0023
0	3.85	0.0020
10	2.78	0.0015
20	3.49	0.0018
30	4.05	0.0021
40	3.08	0.0016
50	3.36	0.0018

Mode 2: LTE Band 4

LTE Band 4 / 1.4 MHz / 1710.7 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.58	0.0015
3.80	2.99	0.0017
3.23	3.03	0.0018

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.36	0.0014
-20	1.79	0.0010
-10	3.03	0.0018
0	3.16	0.0018
10	2.15	0.0013
20	2.77	0.0016
30	1.42	0.0008
40	1.79	0.0010
50	2.36	0.0014

LTE Band 4 / 1.4 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.93	0.0017
3.80	2.96	0.0017
3.23	1.81	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.31	0.0013
-20	2.48	0.0014
-10	2.47	0.0014
0	2.11	0.0012
10	3.43	0.0020
20	2.25	0.0013
30	2.91	0.0017
40	3.05	0.0018
50	2.55	0.0015

LTE Band 4 / 1.4 MHz / 1754.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.64	0.0015
3.80	3.23	0.0018
3.23	2.86	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.37	0.0019
-20	2.41	0.0014
-10	2.80	0.0016
0	2.20	0.0013
10	2.38	0.0014
20	3.32	0.0019
30	1.87	0.0011
40	3.71	0.0021
50	2.21	0.0013

LTE Band 4 / 3 MHz / 1711.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.89	0.0017
3.80	3.66	0.0021
3.23	3.11	0.0018

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.55	0.0021
-20	2.92	0.0017
-10	3.86	0.0023
0	2.21	0.0013
10	3.48	0.0020
20	1.88	0.0011
30	3.35	0.0020
40	3.34	0.0020
50	3.56	0.0021

LTE Band 4 / 3 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.81	0.0010
3.80	2.96	0.0017
3.23	2.26	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.10	0.0018
-20	3.31	0.0019
-10	2.78	0.0016
0	2.84	0.0016
10	2.85	0.0016
20	2.93	0.0017
30	1.86	0.0011
40	2.33	0.0013
50	1.92	0.0011

LTE Band 4 / 3 MHz / 1753.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.20	0.0013
3.80	3.71	0.0021
3.23	3.66	0.0021

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.19	0.0018
-20	2.83	0.0016
-10	2.81	0.0016
0	3.01	0.0017
10	3.07	0.0018
20	4.15	0.0024
30	3.14	0.0018
40	2.94	0.0017
50	3.58	0.0020

LTE Band 4 / 5 MHz / 1712.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.69	0.0022
3.80	4.23	0.0025
3.23	3.97	0.0023

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.93	0.0023
-20	4.13	0.0024
-10	3.63	0.0021
0	3.50	0.0020
10	3.41	0.0020
20	4.40	0.0026
30	3.30	0.0019
40	3.46	0.0020
50	3.17	0.0019

LTE Band 4 / 5 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.24	0.0019
3.80	2.96	0.0017
3.23	2.00	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.66	0.0015
-20	3.14	0.0018
-10	2.71	0.0016
0	2.03	0.0012
10	2.20	0.0013
20	2.89	0.0017
30	2.49	0.0014
40	3.14	0.0018
50	2.28	0.0013

LTE Band 4 / 5 MHz / 1752.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.10	0.0012
3.80	3.18	0.0018
3.23	2.57	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.85	0.0011
-20	2.47	0.0014
-10	3.23	0.0018
0	2.04	0.0012
10	2.78	0.0016
20	2.57	0.0015
30	3.26	0.0019
40	2.59	0.0015
50	3.60	0.0021

LTE Band 4 / 10 MHz / 1715 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	4.42	0.0026
3.80	4.32	0.0025
3.23	3.62	0.0021

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	4.01	0.0023
-20	3.41	0.0020
-10	3.61	0.0021
0	4.08	0.0024
10	4.47	0.0026
20	3.18	0.0019
30	4.57	0.0027
40	3.90	0.0023
50	4.30	0.0025

LTE Band 4 / 10 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.11	0.0018
3.80	2.96	0.0017
3.23	2.70	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.95	0.0011
-20	2.64	0.0015
-10	2.78	0.0016
0	2.70	0.0016
10	1.12	0.0006
20	2.73	0.0016
30	2.15	0.0012
40	2.30	0.0013
50	3.31	0.0019

LTE Band 4 / 10 MHz / 1750 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.47	0.0014
3.80	3.42	0.0020
3.23	3.16	0.0018

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.85	0.0016
-20	3.27	0.0019
-10	2.45	0.0014
0	3.10	0.0018
10	3.30	0.0019
20	2.52	0.0014
30	2.83	0.0016
40	3.11	0.0018
50	3.26	0.0019

LTE Band 4 / 15 MHz / 1717.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	4.13	0.0024
3.80	4.28	0.0025
3.23	3.62	0.0021

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.05	0.0018
-20	4.57	0.0027
-10	3.95	0.0023
0	3.23	0.0019
10	4.32	0.0025
20	4.44	0.0026
30	3.79	0.0022
40	3.64	0.0021
50	3.55	0.0021

LTE Band 4 / 15 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.36	0.0014
3.80	2.96	0.0017
3.23	2.63	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.18	0.0013
-20	2.62	0.0015
-10	2.30	0.0013
0	2.44	0.0014
10	1.96	0.0011
20	2.44	0.0014
30	1.86	0.0011
40	3.56	0.0021
50	2.47	0.0014

LTE Band 4 / 15 MHz / 1747.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.28	0.0013
3.80	3.51	0.0020
3.23	2.68	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.23	0.0018
-20	3.25	0.0019
-10	2.65	0.0015
0	3.98	0.0023
10	3.98	0.0023
20	2.79	0.0016
30	2.88	0.0016
40	3.22	0.0018
50	2.35	0.0013

LTE Band 4 / 20 MHz / 1720 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.50	0.0020
3.80	3.55	0.0021
3.23	3.90	0.0023

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.07	0.0018
-20	2.62	0.0015
-10	3.64	0.0021
0	2.46	0.0014
10	3.07	0.0018
20	3.56	0.0021
30	3.01	0.0018
40	2.62	0.0015
50	3.35	0.0019

LTE Band 4 / 20 MHz / 1732.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.81	0.0016
3.80	2.96	0.0017
3.23	2.46	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.89	0.0017
-20	2.16	0.0012
-10	3.09	0.0018
0	3.14	0.0018
10	2.75	0.0016
20	2.44	0.0014
30	2.01	0.0012
40	2.76	0.0016
50	1.73	0.0010

LTE Band 4 / 20 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.72	0.0021
3.80	4.35	0.0025
3.23	4.26	0.0024

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.47	0.0020
-20	3.69	0.0021
-10	3.08	0.0018
0	3.82	0.0022
10	3.72	0.0021
20	2.79	0.0016
30	3.70	0.0021
40	4.06	0.0023
50	4.03	0.0023

Mode 3: LTE Band 5

LTE Band 5 / 1.4 MHz / 824.7 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.50	0.0042
3.80	4.02	0.0049
3.23	3.45	0.0042

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.20	0.0039
-20	3.33	0.0040
-10	3.82	0.0046
0	4.02	0.0049
10	4.06	0.0049
20	3.21	0.0039
30	3.09	0.0037
40	3.65	0.0044
50	4.02	0.0049

LTE Band 5 / 1.4 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.30	0.0016
3.80	1.59	0.0019
3.23	2.31	0.0028

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.36	0.0016
-20	0.94	0.0011
-10	0.80	0.0010
0	0.40	0.0005
10	1.97	0.0024
20	1.22	0.0015
30	0.03	0.0000
40	1.55	0.0019
50	1.23	0.0015

LTE Band 5 / 1.4 MHz / 848.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.48	0.0041
3.80	3.56	0.0042
3.23	2.77	0.0033

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.18	0.0037
-20	3.25	0.0038
-10	2.92	0.0034
0	3.03	0.0036
10	1.87	0.0022
20	3.38	0.0040
30	2.84	0.0033
40	2.90	0.0034
50	3.03	0.0036

LTE Band 5 / 3 MHz / 825.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.49	0.0030
3.80	3.36	0.0041
3.23	2.71	0.0033

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.41	0.0029
-20	2.22	0.0027
-10	2.40	0.0029
0	3.12	0.0038
10	2.20	0.0027
20	1.98	0.0024
30	1.78	0.0022
40	2.79	0.0034
50	2.35	0.0028

LTE Band 5 / 3 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.00	0.0012
3.80	1.59	0.0019
3.23	2.09	0.0025

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.49	0.0006
-20	1.94	0.0023
-10	0.23	0.0003
0	1.28	0.0015
10	1.37	0.0016
20	1.36	0.0016
30	1.42	0.0017
40	0.90	0.0011
50	2.15	0.0026

LTE Band 5 / 3 MHz / 847.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.64	0.0043
3.80	4.25	0.0050
3.23	3.51	0.0041

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	4.05	0.0048
-20	4.43	0.0052
-10	3.09	0.0036
0	4.06	0.0048
10	4.28	0.0051
20	3.86	0.0046
30	2.76	0.0033
40	3.30	0.0039
50	4.22	0.0050

LTE Band 5 / 5 MHz / 826.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	4.56	0.0055
3.80	4.66	0.0056
3.23	3.68	0.0045

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.79	0.0046
-20	4.73	0.0057
-10	4.60	0.0056
0	4.57	0.0055
10	3.88	0.0047
20	3.74	0.0045
30	4.72	0.0057
40	4.25	0.0051
50	3.03	0.0037

LTE Band 5 / 5 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.32	0.0016
3.80	1.59	0.0019
3.23	1.32	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.18	0.0026
-20	0.57	0.0007
-10	0.50	0.0006
0	1.61	0.0019
10	1.54	0.0018
20	2.21	0.0026
30	1.57	0.0019
40	0.33	0.0004
50	0.70	0.0008

LTE Band 5 / 5 MHz / 846.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	4.52	0.0053
3.80	5.01	0.0059
3.23	4.84	0.0057

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	4.83	0.0057
-20	4.68	0.0055
-10	4.16	0.0049
0	4.22	0.0050
10	4.35	0.0051
20	5.65	0.0067
30	4.86	0.0057
40	4.34	0.0051
50	4.09	0.0048

LTE Band 5 / 10 MHz / 829 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.66	0.0044
3.80	3.72	0.0045
3.23	2.38	0.0029

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.45	0.0042
-20	3.25	0.0039
-10	3.71	0.0045
0	4.14	0.0050
10	3.85	0.0046
20	2.93	0.0035
30	4.00	0.0048
40	3.58	0.0043
50	2.43	0.0029

LTE Band 5 / 10 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.52	0.0006
3.80	1.59	0.0019
3.23	1.73	0.0021

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.87	0.0010
-20	0.62	0.0007
-10	1.43	0.0017
0	0.36	0.0004
10	0.08	0.0001
20	1.49	0.0018
30	1.34	0.0016
40	1.70	0.0020
50	1.16	0.0014

LTE Band 5 / 10 MHz / 844 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.12	0.0037
3.80	3.55	0.0042
3.23	3.75	0.0044

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.49	0.0030
-20	2.77	0.0033
-10	2.90	0.0034
0	2.38	0.0028
10	3.11	0.0037
20	3.48	0.0041
30	2.04	0.0024
40	2.98	0.0035
50	3.50	0.0041

Mode 4: LTE Band 12

LTE Band 12 / 1.4 MHz / 699.7 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.51	0.0036
3.80	2.89	0.0041
3.23	2.23	0.0032

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.71	0.0024
-20	2.29	0.0033
-10	2.35	0.0034
0	2.02	0.0029
10	2.44	0.0035
20	3.32	0.0047
30	2.23	0.0032
40	1.81	0.0026
50	2.63	0.0038

LTE Band 12 / 1.4 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	0.98	0.0014
3.80	2.03	0.0029
3.23	2.03	0.0029

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.09	0.0030
-20	1.92	0.0027
-10	1.37	0.0019
0	1.34	0.0019
10	2.20	0.0031
20	1.86	0.0026
30	0.85	0.0012
40	1.39	0.0020
50	1.92	0.0027

LTE Band 12 / 1.4 MHz / 715.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.66	0.0051
3.80	3.34	0.0047
3.23	2.61	0.0036

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.15	0.0030
-20	3.27	0.0046
-10	3.66	0.0051
0	2.69	0.0038
10	2.83	0.0040
20	3.83	0.0054
30	2.71	0.0038
40	3.56	0.0050
50	3.32	0.0046

LTE Band 12 / 3 MHz / 700.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.21	0.0046
3.80	3.28	0.0047
3.23	3.38	0.0048

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.81	0.0026
-20	2.32	0.0033
-10	2.13	0.0030
0	2.15	0.0031
10	3.03	0.0043
20	3.42	0.0049
30	2.16	0.0031
40	1.95	0.0028
50	2.86	0.0041

LTE Band 12 / 3 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.43	0.0034
3.80	2.03	0.0029
3.23	0.87	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.72	0.0024
-20	1.37	0.0019
-10	2.23	0.0032
0	0.95	0.0013
10	1.14	0.0016
20	0.83	0.0012
30	1.26	0.0018
40	1.35	0.0019
50	1.50	0.0021

LTE Band 12 / 3 MHz / 714.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.20	0.0045
3.80	4.20	0.0059
3.23	3.34	0.0047

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	4.56	0.0064
-20	2.78	0.0039
-10	3.32	0.0046
0	3.52	0.0049
10	3.71	0.0052
20	3.62	0.0051
30	3.58	0.0050
40	3.31	0.0046
50	3.36	0.0047

LTE Band 12 / 5 MHz / 701.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.97	0.0028
3.80	2.99	0.0043
3.23	2.95	0.0042

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.36	0.0034
-20	2.80	0.0040
-10	3.05	0.0043
0	3.10	0.0044
10	2.54	0.0036
20	2.04	0.0029
30	1.65	0.0024
40	2.10	0.0030
50	2.65	0.0038

LTE Band 12 / 5 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.08	0.0015
3.80	2.03	0.0029
3.23	1.32	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.63	0.0023
-20	1.81	0.0026
-10	1.69	0.0024
0	1.13	0.0016
10	1.99	0.0028
20	1.39	0.0020
30	2.62	0.0037
40	1.37	0.0019
50	1.35	0.0019

LTE Band 12 / 5 MHz / 713.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.96	0.0041
3.80	3.63	0.0051
3.23	2.81	0.0039

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.17	0.0044
-20	3.26	0.0046
-10	2.95	0.0041
0	2.54	0.0036
10	3.68	0.0052
20	3.42	0.0048
30	3.32	0.0047
40	3.18	0.0045
50	3.91	0.0055

LTE Band 12 / 10 MHz / 704 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.75	0.0053
3.80	3.82	0.0054
3.23	3.62	0.0051

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.85	0.0040
-20	2.85	0.0040
-10	3.04	0.0043
0	3.05	0.0043
10	3.82	0.0054
20	2.37	0.0034
30	3.73	0.0053
40	3.73	0.0053
50	3.25	0.0046

LTE Band 12 / 10 MHz / 707.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.65	0.0037
3.80	2.03	0.0029
3.23	1.35	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	1.34	0.0019
-20	1.77	0.0025
-10	1.70	0.0024
0	1.15	0.0016
10	1.30	0.0018
20	1.57	0.0022
30	2.32	0.0033
40	0.79	0.0011
50	0.56	0.0008

LTE Band 12 / 10 MHz / 711 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.99	0.0028
3.80	3.61	0.0051
3.23	3.07	0.0043

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.65	0.0037
-20	2.82	0.0040
-10	4.03	0.0057
0	3.02	0.0042
10	2.09	0.0029
20	3.34	0.0047
30	2.14	0.0030
40	2.91	0.0041
50	2.09	0.0029

Mode 5: LTE Band 13

LTE Band 13 / 5 MHz / 779.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	5.20	0.0067
3.80	5.17	0.0066
3.23	4.86	0.0062

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	4.23	0.0054
-20	5.04	0.0065
-10	3.63	0.0047
0	4.85	0.0062
10	4.73	0.0061
20	4.28	0.0055
30	3.75	0.0048
40	4.38	0.0056
50	4.18	0.0054

LTE Band 13 / 5 MHz / 782 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.94	0.0025
3.80	1.59	0.0020
3.23	0.33	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.24	0.0029
-20	0.80	0.0010
-10	1.28	0.0016
0	1.49	0.0019
10	1.59	0.0020
20	1.39	0.0018
30	0.92	0.0012
40	1.52	0.0019
50	1.03	0.0013

LTE Band 13 / 5 MHz / 784.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	4.01	0.0051
3.80	4.96	0.0063
3.23	4.47	0.0057

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.64	0.0046
-20	4.52	0.0058
-10	3.48	0.0044
0	3.56	0.0045
10	4.20	0.0054
20	4.30	0.0055
30	4.20	0.0054
40	3.61	0.0046
50	4.20	0.0054

LTE Band 13 / 10 MHz / 782 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.10	0.0040
3.80	3.48	0.0045
3.23	2.73	0.0035

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.79	0.0036
-20	3.00	0.0038
-10	2.61	0.0033
0	3.37	0.0043
10	3.57	0.0046
20	2.75	0.0035
30	3.15	0.0040
40	2.63	0.0034
50	2.09	0.0027

Mode 6: LTE Band 14

LTE Band 14 / 5 MHz / 790.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.09	0.0039
3.80	2.59	0.0033
3.23	1.52	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.00	0.0025
-20	2.07	0.0026
-10	2.92	0.0037
0	1.03	0.0013
10	2.06	0.0026
20	2.75	0.0035
30	2.58	0.0033
40	1.73	0.0022
50	1.97	0.0025

LTE Band 14 / 5 MHz / 793 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	1.62	0.0020
3.80	1.59	0.0020
3.23	1.73	0.0022

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	0.40	0.0005
-20	1.16	0.0015
-10	0.90	0.0011
0	2.27	0.0029
10	1.75	0.0022
20	0.54	0.0007
30	0.69	0.0009
40	1.10	0.0014
50	0.59	0.0007

LTE Band 14 / 5 MHz / 795.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	3.52	0.0044
3.80	3.14	0.0039
3.23	3.89	0.0049

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	2.55	0.0032
-20	1.63	0.0020
-10	2.49	0.0031
0	3.56	0.0045
10	2.00	0.0025
20	2.26	0.0028
30	3.25	0.0041
40	2.44	0.0031
50	2.69	0.0034

LTE Band 14 / 10 MHz / 793 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
4.37	2.41	0.0030
3.80	3.33	0.0042
3.23	2.81	0.0035

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-30	3.03	0.0038
-20	3.47	0.0044
-10	2.19	0.0028
0	3.02	0.0038
10	2.49	0.0031
20	2.46	0.0031
30	2.77	0.0035
40	2.64	0.0033
50	3.45	0.0044