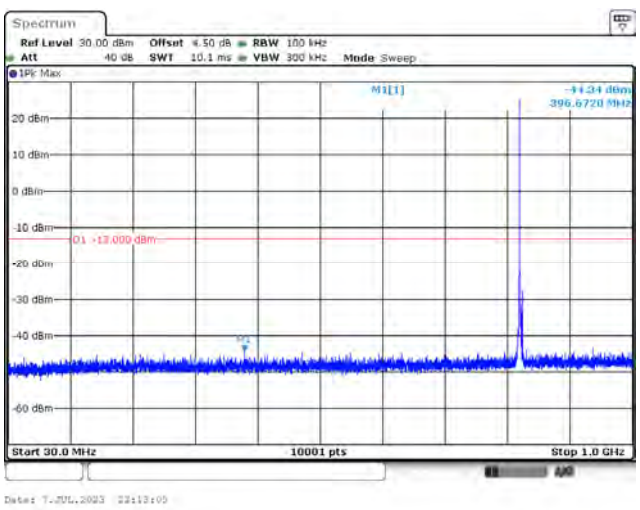
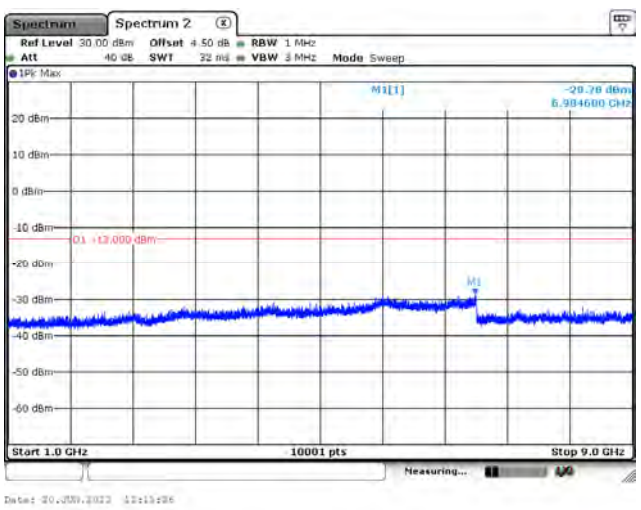
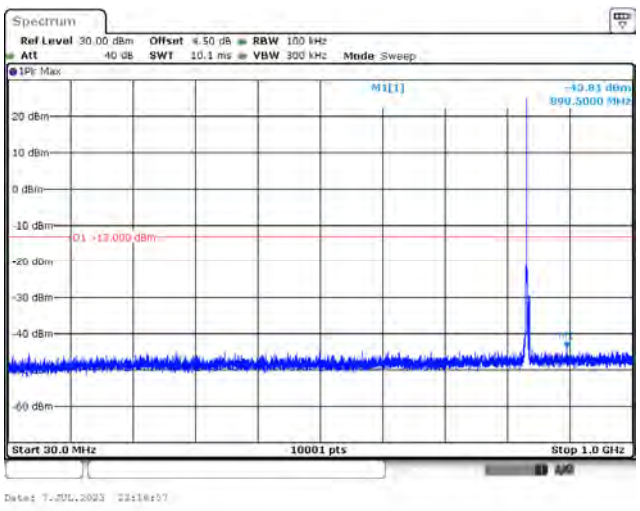
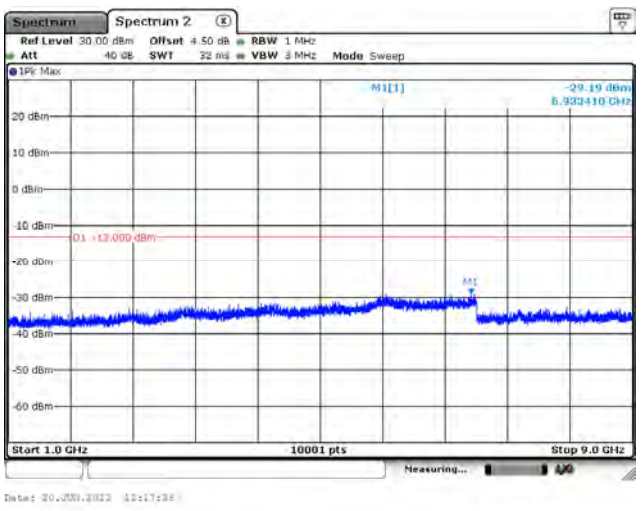
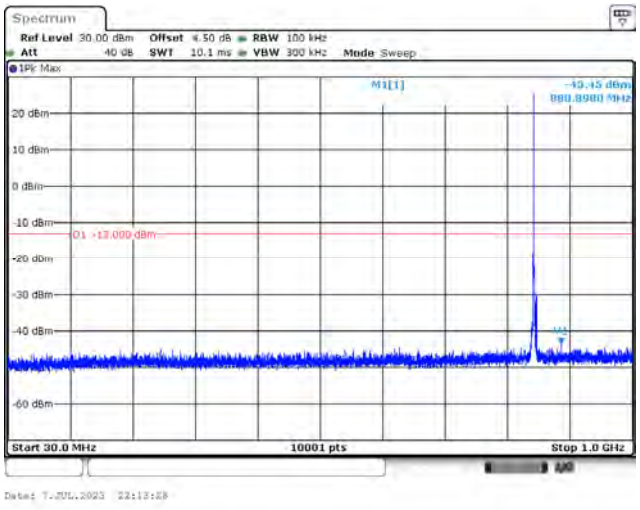
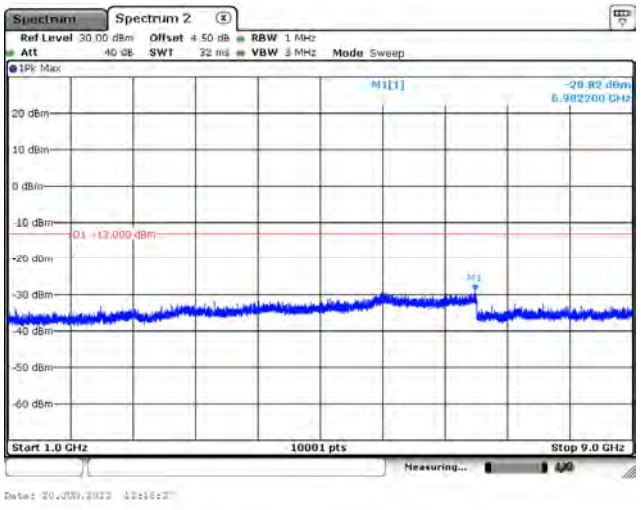
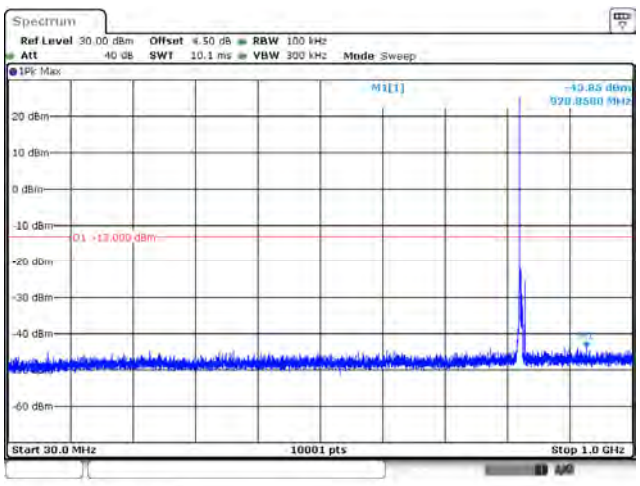
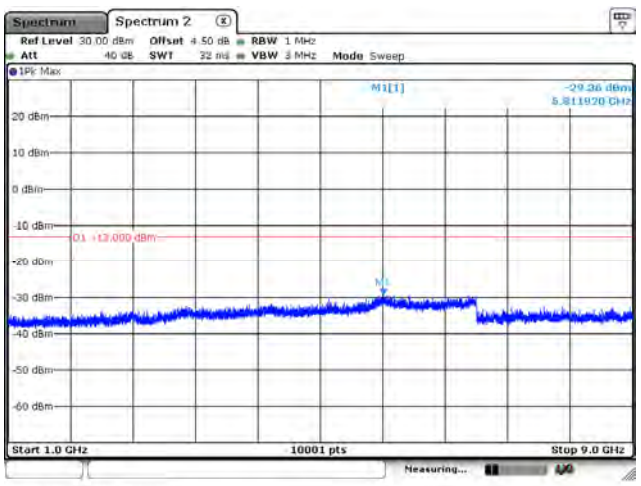
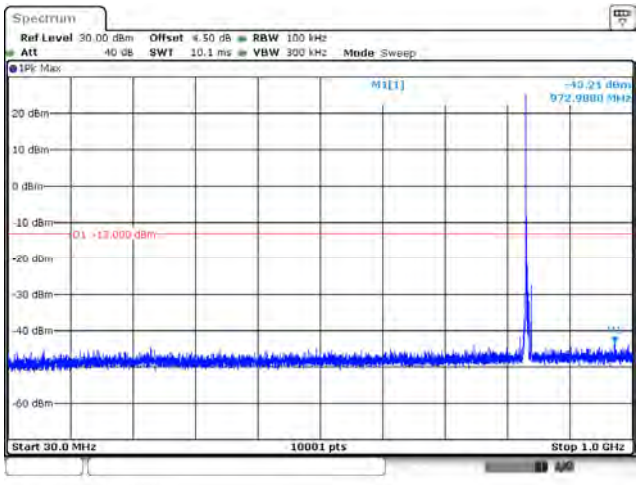
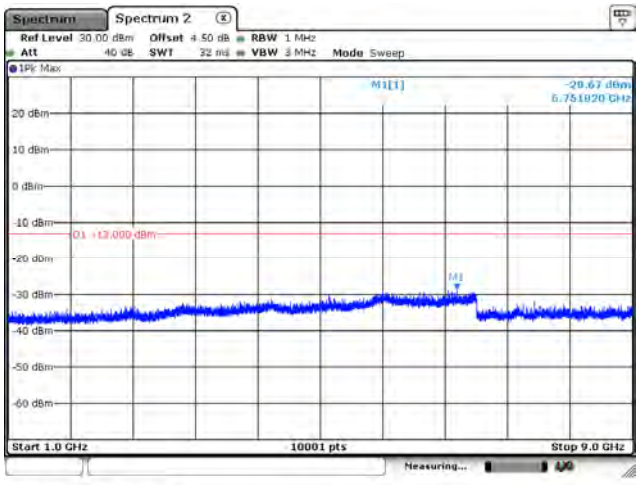
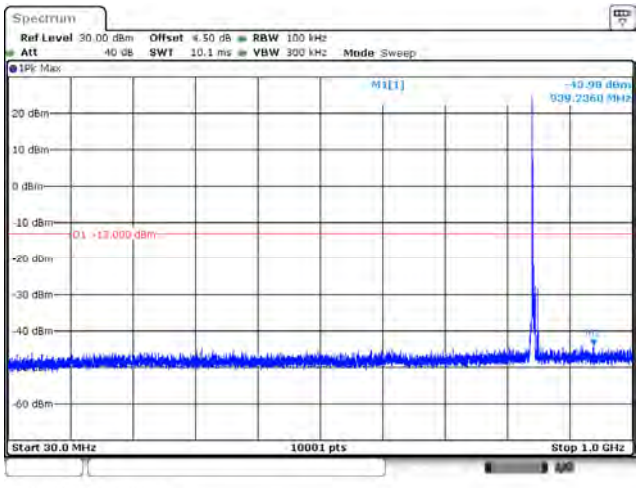
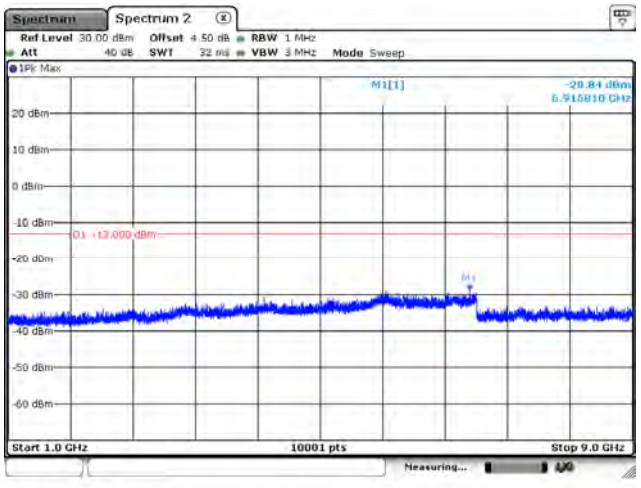
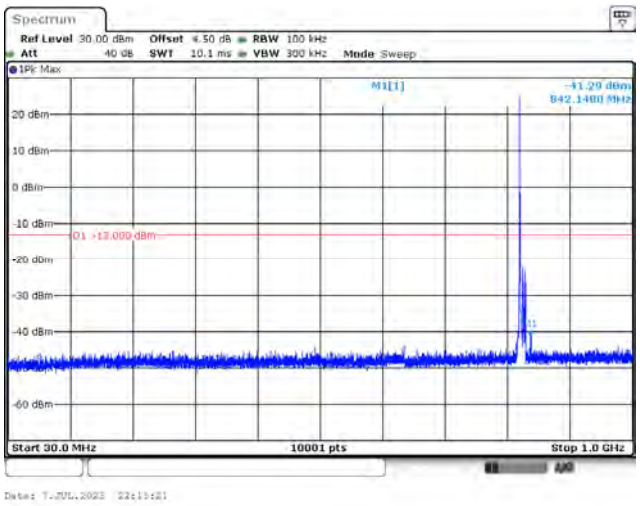
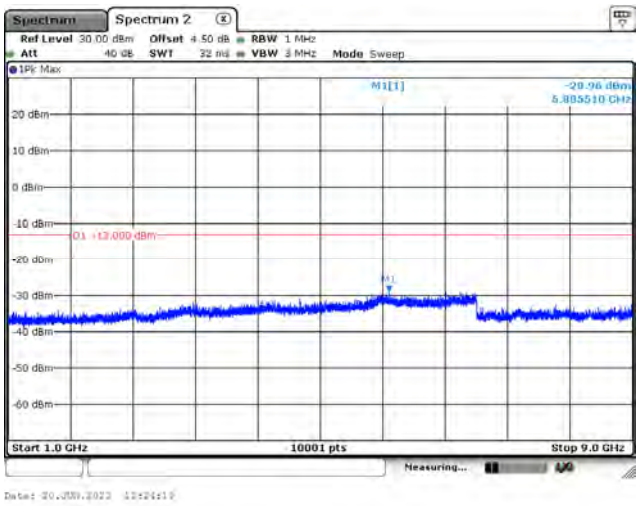
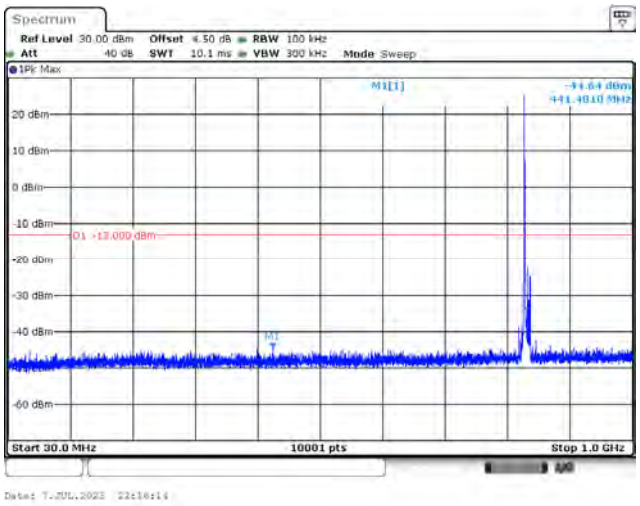
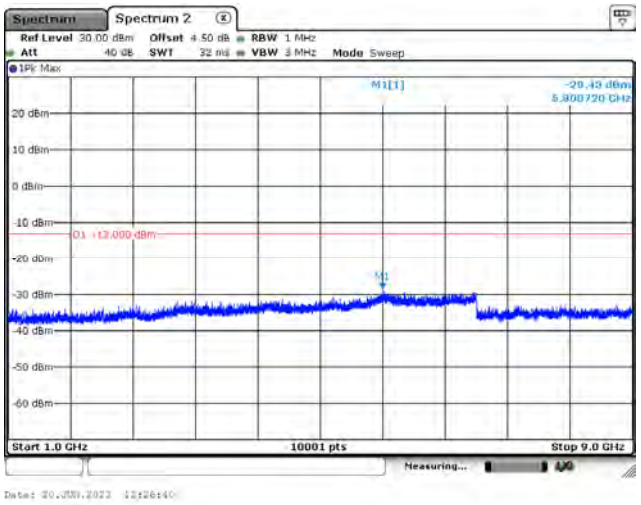
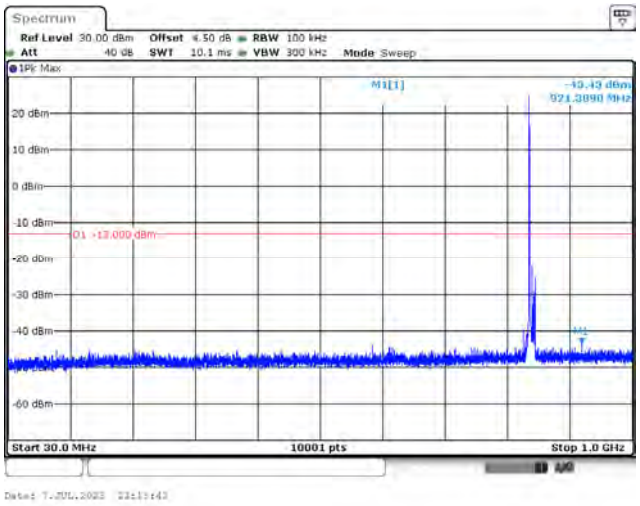
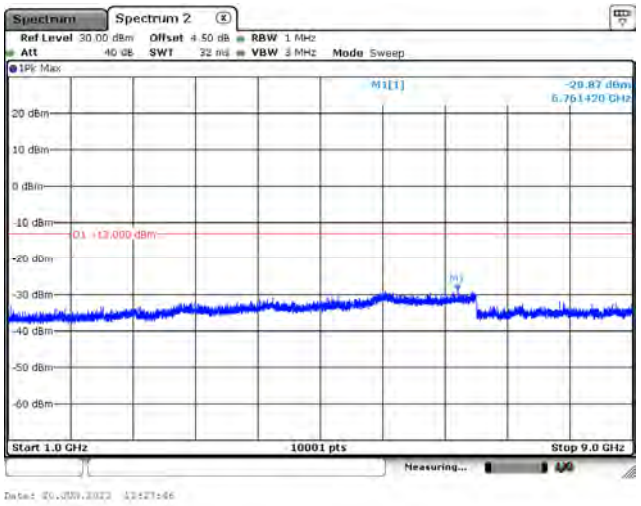
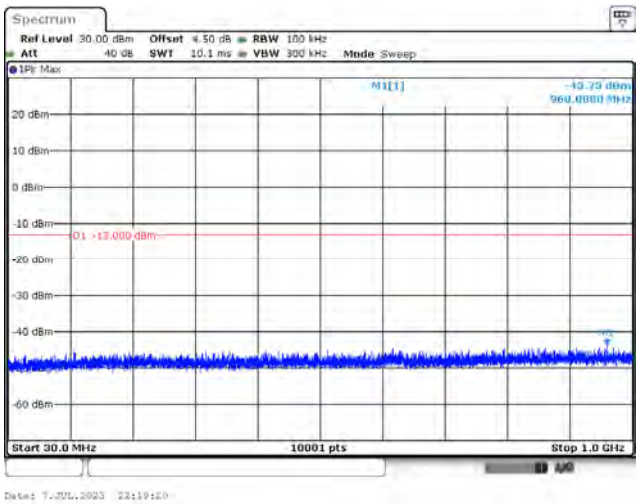
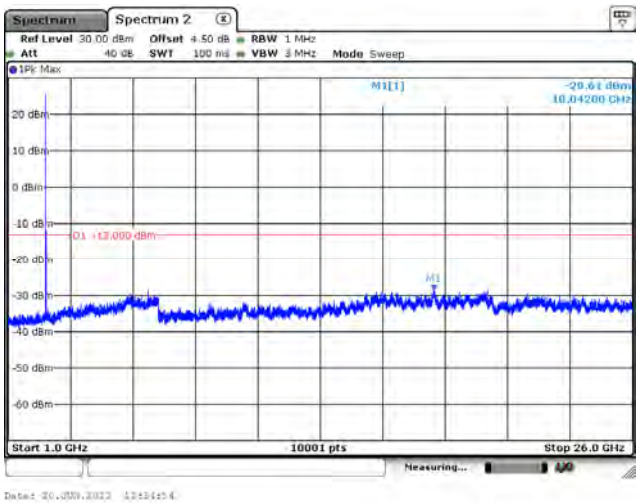
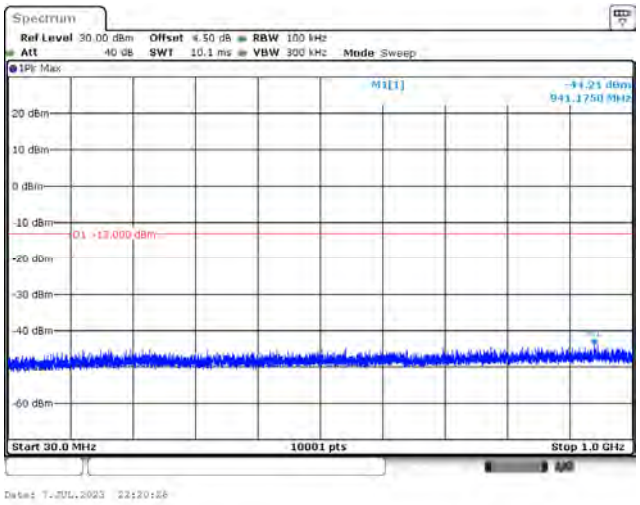
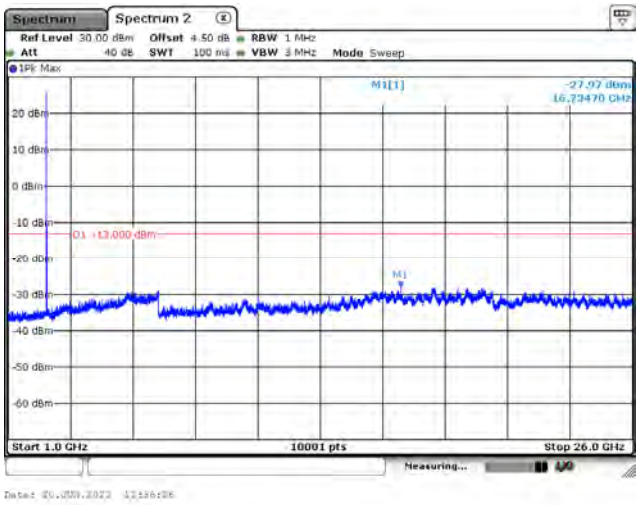
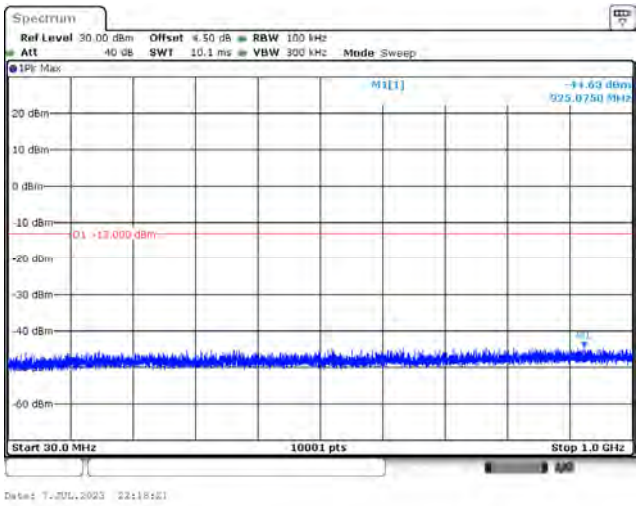
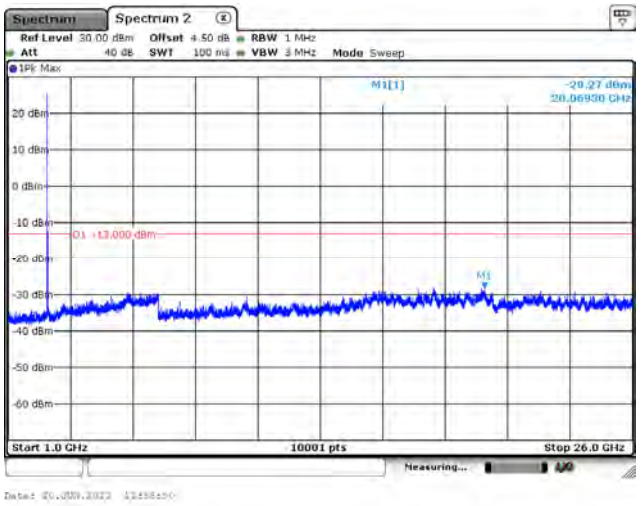
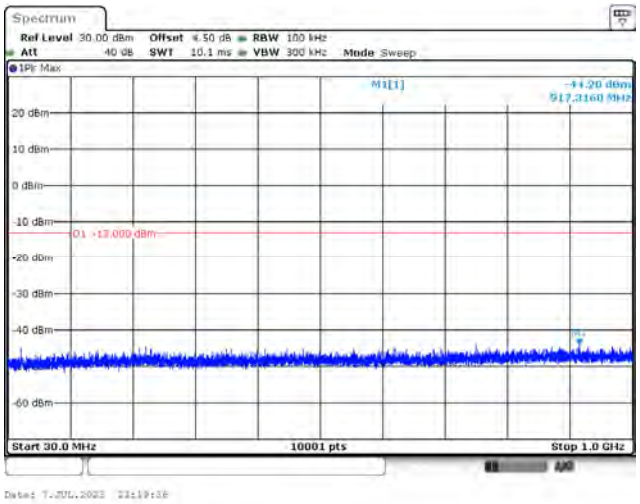
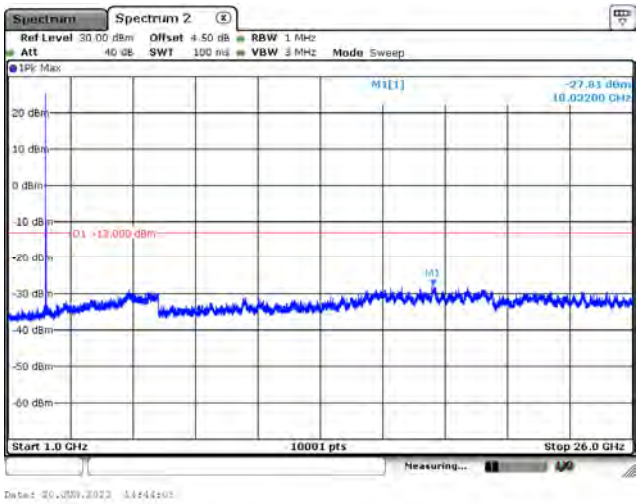
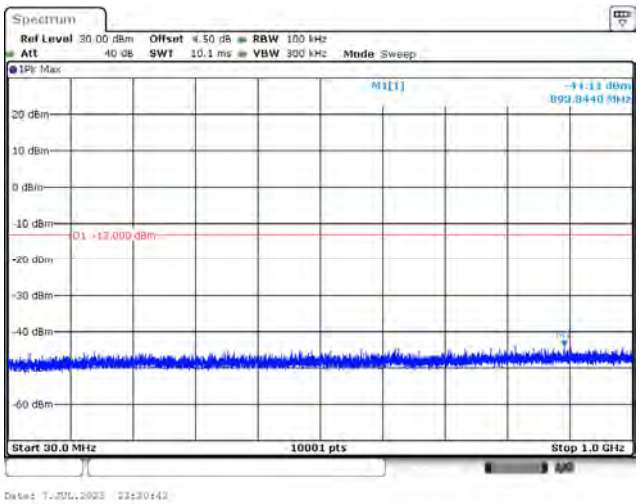
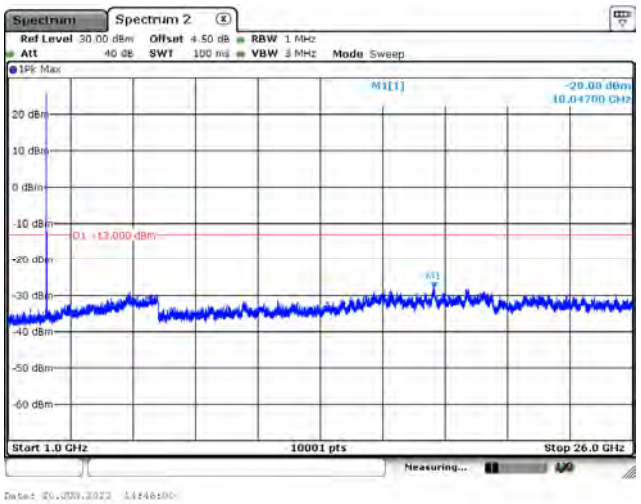
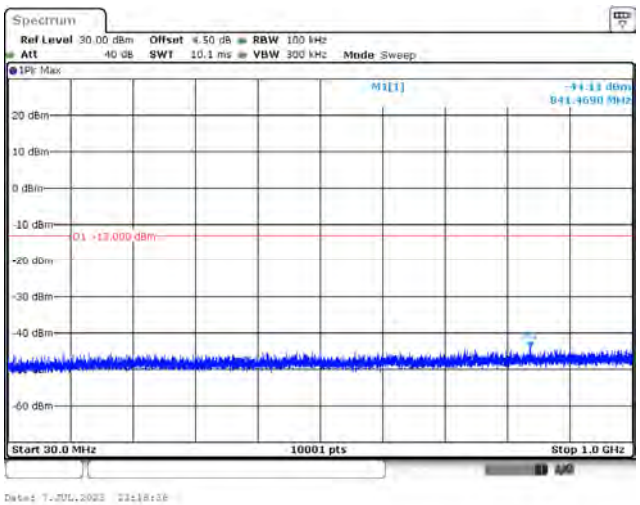
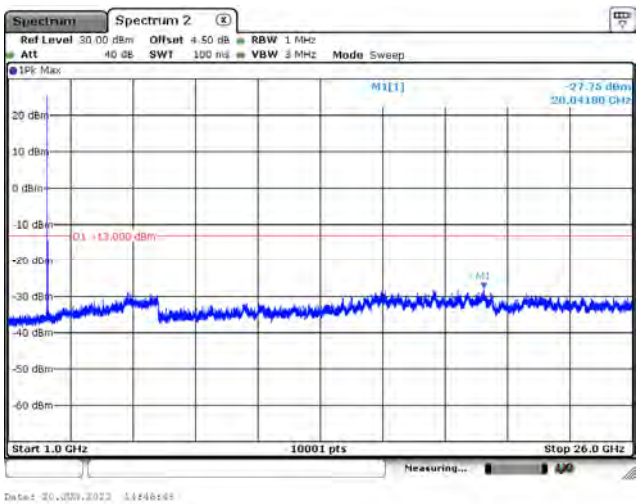
LTE Band 5_CH20415_3M_1RB_QPSK_Below 1GHz	LTE Band 5_CH20415_3M_1RB_QPSK_Above 1GHz
	
LTE Band 5_CH20525_3M_1RB_QPSK_Below 1GHz	LTE Band 5_CH20525_3M_1RB_QPSK_Above 1GHz
	
LTE Band 5_CH20635_3M_1RB_QPSK_Below 1GHz	LTE Band 5_CH20635_3M_1RB_QPSK_Above 1GHz
	

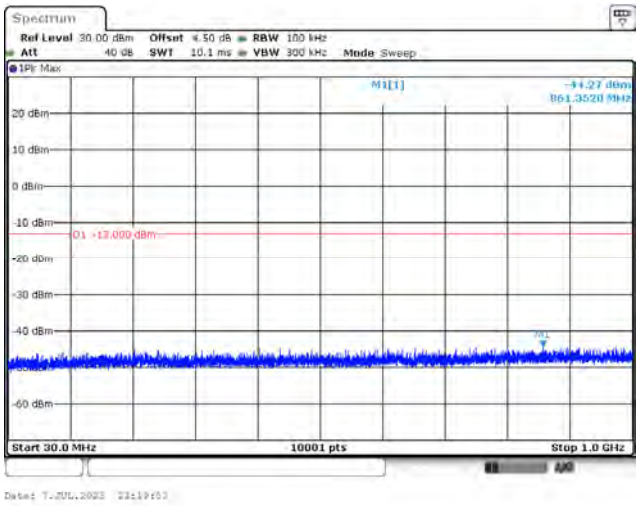
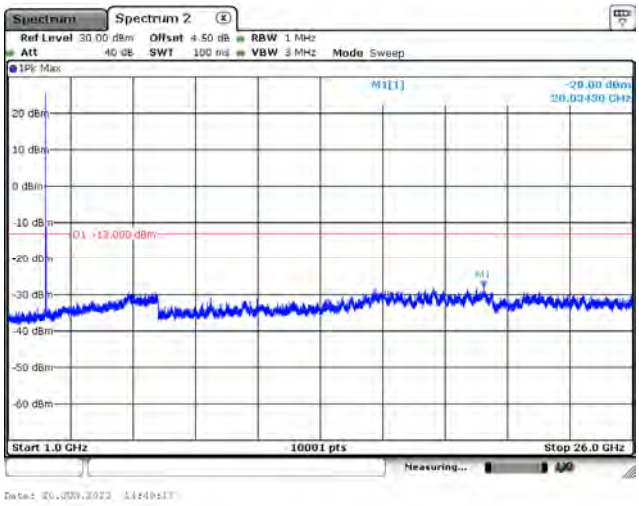
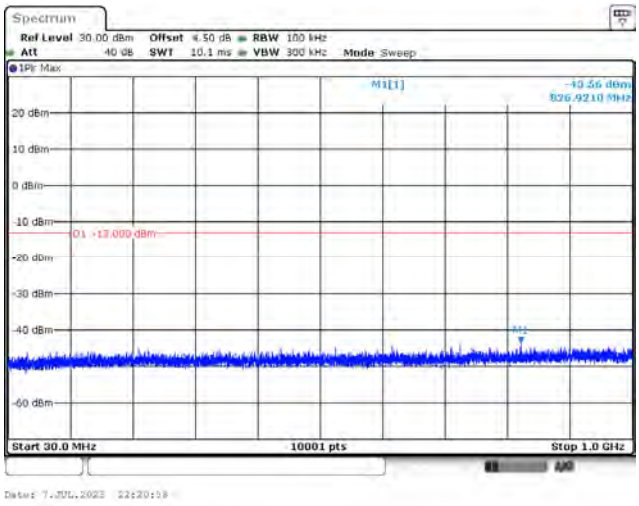
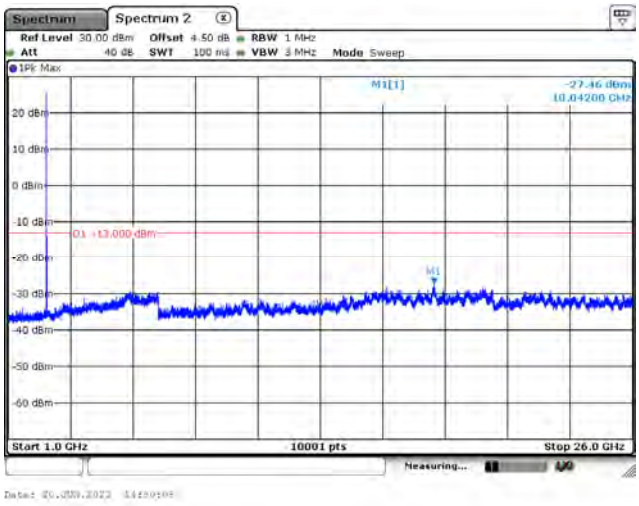
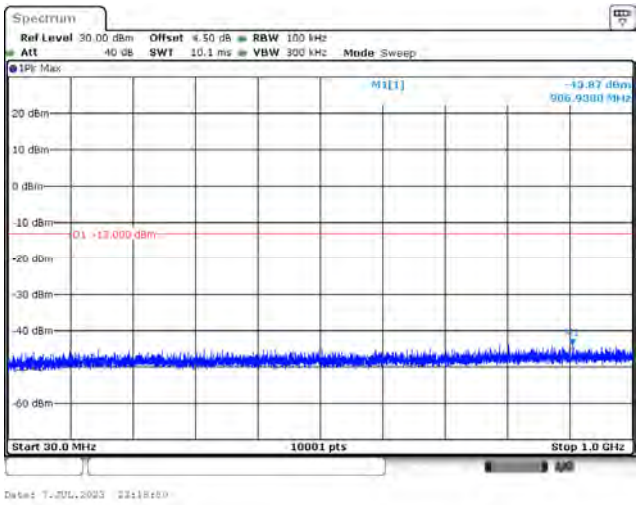
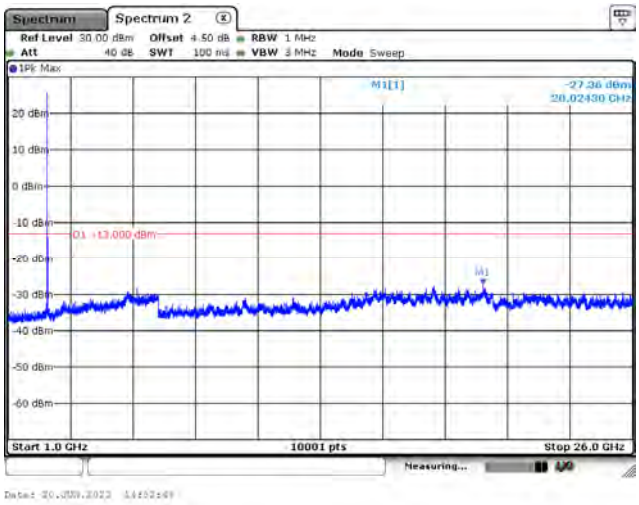
LTE Band 5_CH20425_5M_1RB_QPSK_Below 1GHz	LTE Band 5_CH20425_5M_1RB_QPSK_Above 1GHz
	
LTE Band 5_CH20525_5M_1RB_QPSK_Below 1GHz	LTE Band 5_CH20525_5M_1RB_QPSK_Above 1GHz
	
LTE Band 5_CH20625_5M_1RB_QPSK_Below 1GHz	LTE Band 5_CH20625_5M_1RB_QPSK_Above 1GHz
	

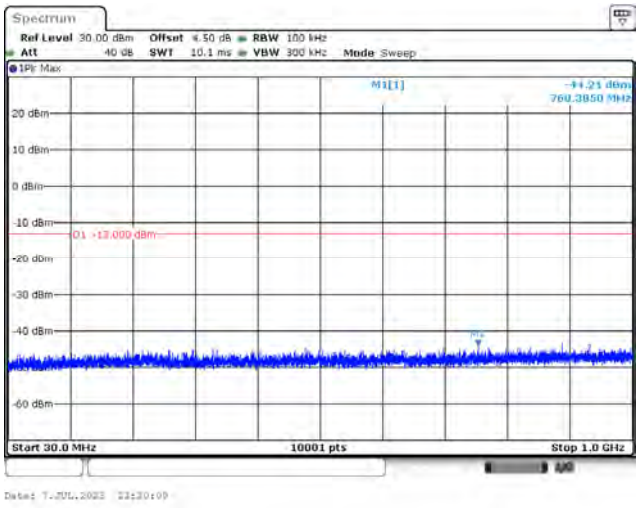
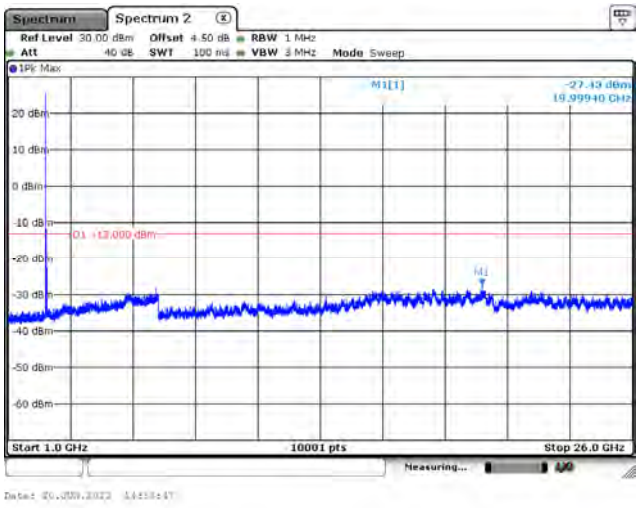
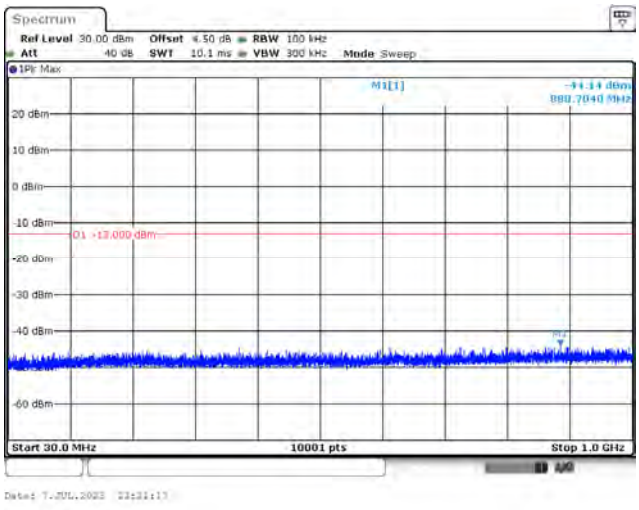
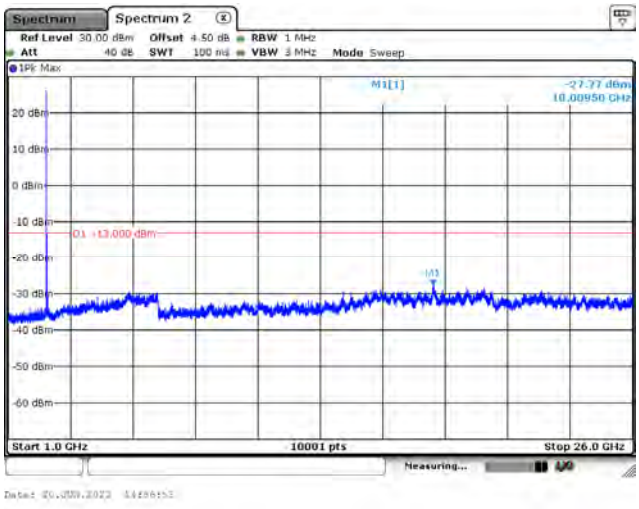
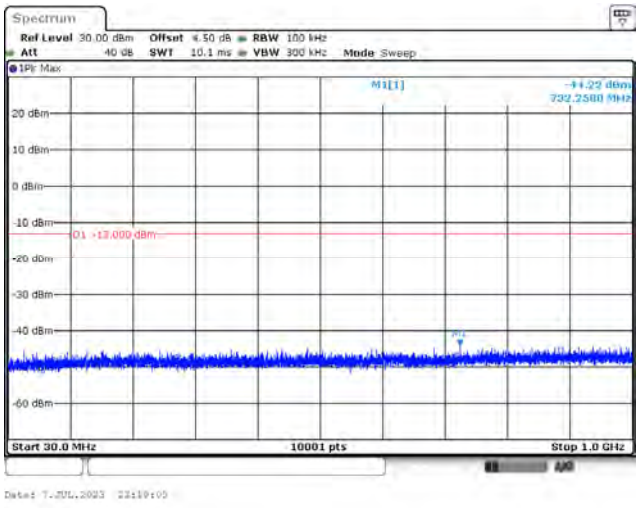
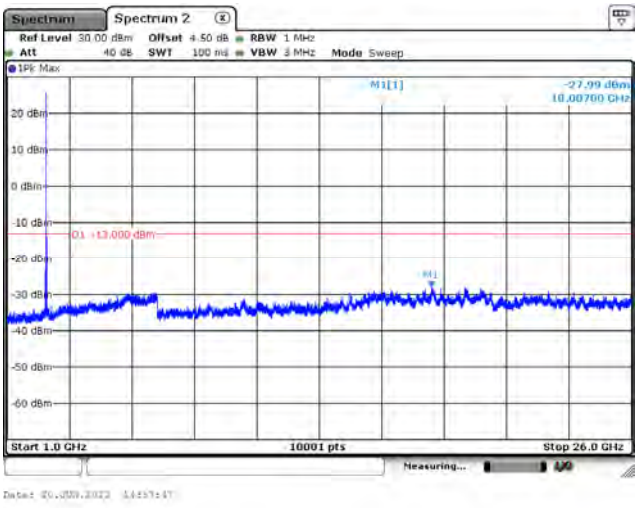
LTE Band 5_CH20450_10M_1RB_QPSK_Below 1GHz	LTE Band 5_CH20450_10M_1RB_QPSK_Above 1GHz
	
LTE Band 5_CH20525_10M_1RB_QPSK_Below 1GHz	LTE Band 5_CH20525_10M_1RB_QPSK_Above 1GHz
	
LTE Band 5_CH20600_10M_1RB_QPSK_Below 1GHz	LTE Band 5_CH20600_10M_1RB_QPSK_Above 1GHz
	

Mode 4: LTE Band 7

LTE Band 7_CH20775_5M_1RB_QPSK_Below 1GHz	LTE Band 7_CH20775_5M_1RB_QPSK_Above 1GHz
	
LTE Band 7_CH21100_5M_1RB_QPSK_Below 1GHz	LTE Band 7_CH21100_5M_1RB_QPSK_Above 1GHz
	
LTE Band 7_CH21425_5M_1RB_QPSK_Below 1GHz	LTE Band 7_CH21425_5M_1RB_QPSK_Above 1GHz
	

LTE Band 7_CH20800_10M_QPSK_1RB_Below 1GHz	LTE Band 7_CH20800_10M_QPSK_1RB_Above 1GHz
	
LTE Band 7_CH21100_10M_QPSK_1RB_Below 1GHz	LTE Band 7_CH21100_10M_QPSK_1RB_Above 1GHz
	
LTE Band 7_CH21400_10M_QPSK_1RB_Below 1GHz	LTE Band 7_CH21400_10M_QPSK_1RB_Above 1GHz
	

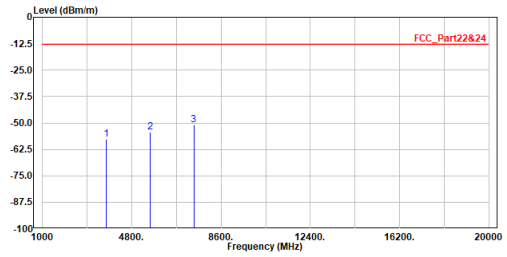
LTE Band 7_CH20825_15M_QPSK_1RB_Below 1GHz	LTE Band 7_CH20825_15M_QPSK_1RB_Above 1GHz
	
LTE Band 7_CH21100_15M_QPSK_1RB_Below 1GHz	LTE Band 7_CH21100_15M_QPSK_1RB_Above 1GHz
	
LTE Band 7_CH21375_15M_QPSK_1R_Below 1GHz	LTE Band 7_CH21375_15M_QPSK_1RB0_Above 1GHz
	

LTE Band 7_CH20850_20M_QPSK_1RB_Below 1GHz	LTE Band 7_CH20850_20M_QPSK_1RB_Above 1GHz
	
LTE Band 7_CH21100_20M_QPSK_1RB_Below 1GHz	LTE Band 7_CH21100_20M_QPSK_1RB_Above 1GHz
	
LTE Band 7_CH21350_20M_QPSK_1RB_Below 1GHz	LTE Band 7_CH21350_20M_QPSK_1RB_Above 1GHz
	

Appendix D.2 Test Result of Radiated Spurious Emission

LTE Band 2

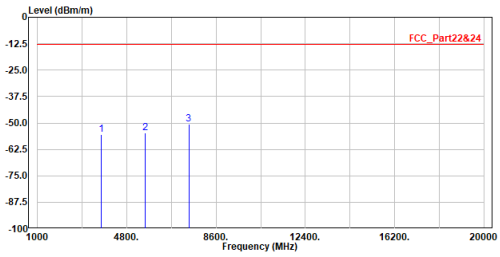
Site : HC-CB04
Condition : 3m Horizontal
Mode : LTE_B2_CH18700
Test By : Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3720.000	-57.56	-13.00	-44.56	-48.66	-8.90	Peak
2	5580.000	-54.27	-13.00	-41.27	-48.92	-5.35	Peak
3	7440.000	-51.08	-13.00	-38.08	-50.40	-0.68	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.

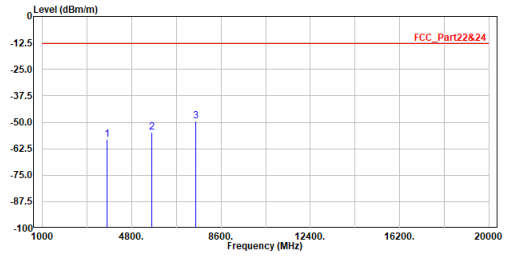
Site : HC-CB04
Condition : 3m Vertical
Mode : LTE_B2_CH18700
Test By : Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3720.000	-55.52	-13.00	-42.52	-46.62	-8.90	Peak
2	5580.000	-54.74	-13.00	-41.74	-49.39	-5.35	Peak
3	7440.000	-50.44	-13.00	-37.44	-49.76	-0.68	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.

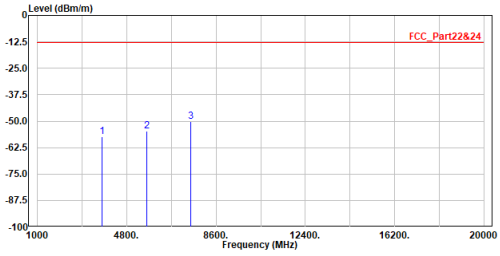
Site : HC-CB04
Condition : 3m Horizontal
Mode : LTE_B2_CH18900
Test By : Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3760.000	-58.24	-13.00	-45.24	-49.52	-8.72	Peak
2	5640.000	-54.76	-13.00	-41.76	-49.56	-5.20	Peak
3	7520.000	-49.58	-13.00	-36.58	-49.01	-0.57	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.

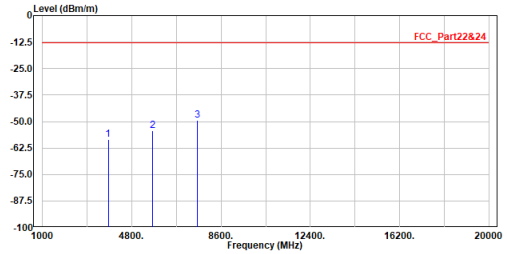
Site : HC-CB04
Condition : 3m Vertical
Mode : LTE_B2_CH18900
Test By : Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3760.000	-57.32	-13.00	-44.32	-48.60	-8.72	Peak
2	5640.000	-54.86	-13.00	-41.86	-49.66	-5.20	Peak
3	7520.000	-50.17	-13.00	-37.17	-49.60	-0.57	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.

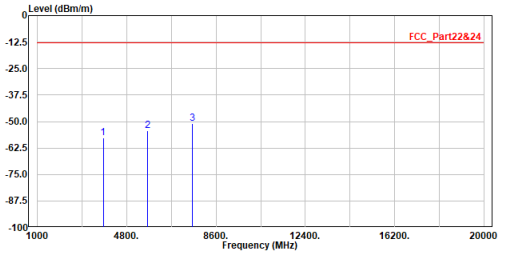
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B2_CH19100
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3800.000	-58.36	-13.00	-45.36	-49.81	-8.55	Peak
2	5700.000	-54.48	-13.00	-41.48	-49.42	-5.06	Peak
3	7600.000	-49.60	-13.00	-36.60	-49.06	-0.54	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_B2_CH19100
Test By :Cyril

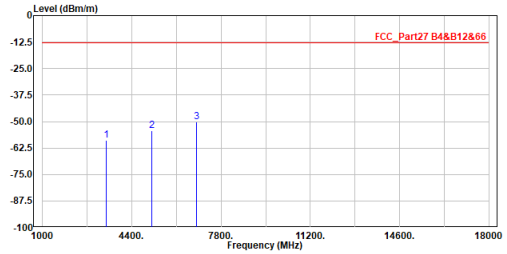


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3800.000	-57.83	-13.00	-44.83	-49.28	-8.55	Peak
2	5700.000	-54.41	-13.00	-41.41	-49.35	-5.06	Peak
3	7600.000	-50.76	-13.00	-37.76	-50.22	-0.54	Peak

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.

LTE Band 4

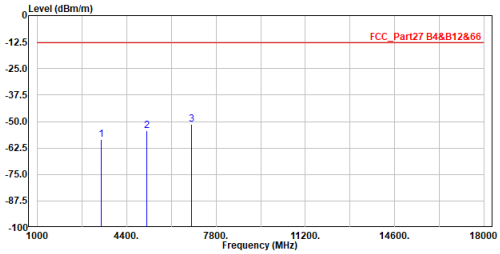
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B4_CH20050
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3440.000	-58.70	-13.00	-45.70	-48.75	-9.95	Peak
2	5160.000	-54.17	-13.00	-41.17	-48.72	-5.45	Peak
3	6880.000	-50.09	-13.00	-37.09	-48.59	-1.50	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.

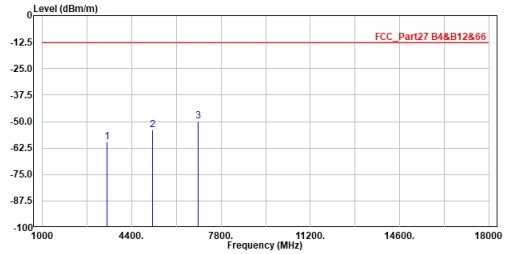
Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B4_CH20050
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3440.000	-58.49	-13.00	-45.49	-48.54	-9.95	Peak
2	5160.000	-54.44	-13.00	-41.44	-48.99	-5.45	Peak
3	6880.000	-51.14	-13.00	-38.14	-49.64	-1.50	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.

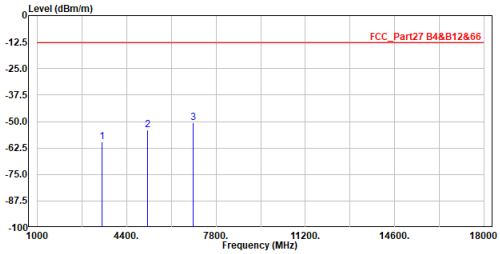
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B4_CH20175
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3465.000	-59.62	-13.00	-46.62	-49.70	-9.92	Peak
2	5197.500	-54.10	-13.00	-41.10	-48.63	-5.47	Peak
3	6930.000	-49.88	-13.00	-36.88	-48.43	-1.45	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.

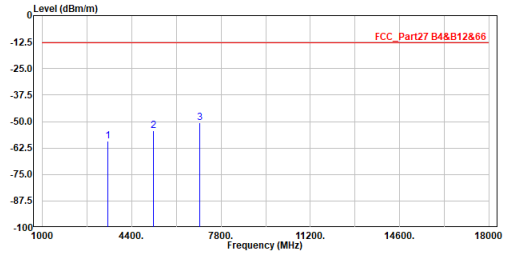
Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B4_CH20175
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3465.000	-59.53	-13.00	-46.53	-49.61	-9.92	Peak
2	5197.500	-54.07	-13.00	-41.07	-48.60	-5.47	Peak
3	6930.000	-50.59	-13.00	-37.59	-49.14	-1.45	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.

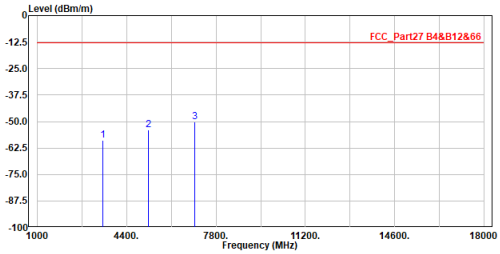
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B4_CH20300
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3490.000	-59.20	-13.00	-46.20	-49.32	-9.88	Peak
2	5235.000	-54.31	-13.00	-41.31	-48.84	-5.47	Peak
3	6980.000	-50.46	-13.00	-37.46	-49.07	-1.39	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_B4_CH20300
Test By :Cyril

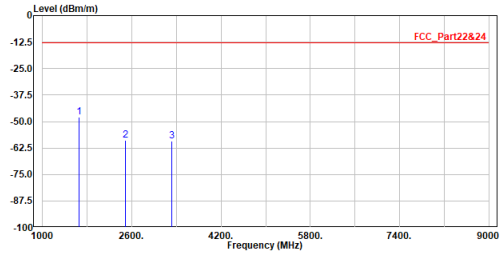


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3490.000	-58.87	-13.00	-45.87	-48.99	-9.88	Peak
2	5235.000	-54.13	-13.00	-41.13	-48.66	-5.47	Peak
3	6980.000	-50.31	-13.00	-37.31	-48.92	-1.39	Peak

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.

LTE Band 5 (Part 22)

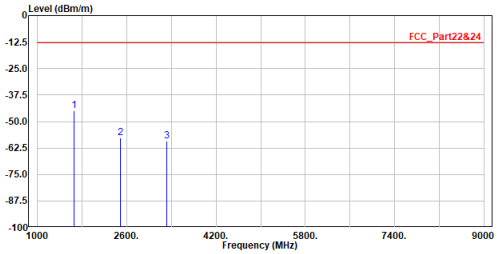
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B5_CH20450
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1658.000	-47.78	-13.00	-34.78	-33.39	-14.39	Peak
2	2487.000	-58.73	-13.00	-45.73	-46.73	-12.00	Peak
3	3316.000	-59.18	-13.00	-46.18	-49.06	-10.12	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.

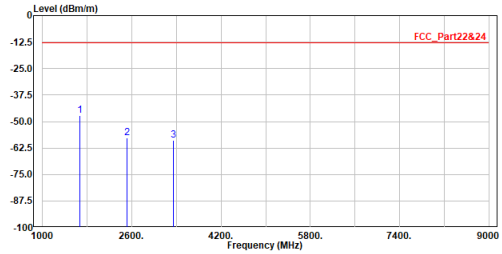
Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B5_CH20450
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1658.000	-44.89	-13.00	-31.89	-30.50	-14.39	Peak
2	2487.000	-57.91	-13.00	-44.91	-45.91	-12.00	Peak
3	3316.000	-59.18	-13.00	-46.18	-49.06	-10.12	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.

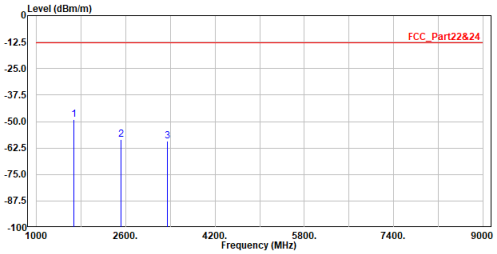
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B5_CH20525
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1673.000	-47.01	-13.00	-34.01	-32.67	-14.34	Peak
2	2509.500	-57.56	-13.00	-44.56	-45.61	-11.95	Peak
3	3346.000	-58.96	-13.00	-45.96	-48.89	-10.07	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.

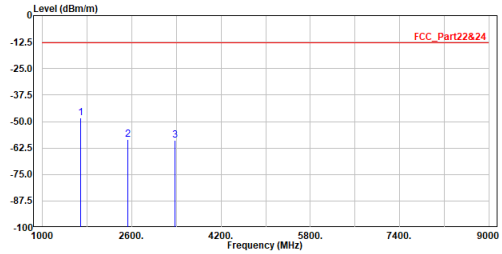
Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B5_CH20525
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1673.000	-48.87	-13.00	-35.87	-34.53	-14.34	Peak
2	2509.500	-58.66	-13.00	-45.66	-46.71	-11.95	Peak
3	3346.000	-59.38	-13.00	-46.38	-49.31	-10.07	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.

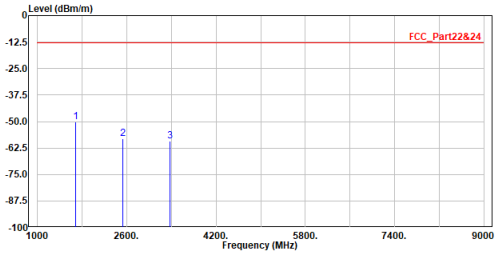
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B5_CH20600
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1688.000	-48.12	-13.00	-35.12	-33.84	-14.28	Peak
2	2532.000	-58.64	-13.00	-45.64	-46.76	-11.88	Peak
3	3376.000	-58.73	-13.00	-45.73	-48.70	-10.03	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_B5_CH20600
Test By :Cyril

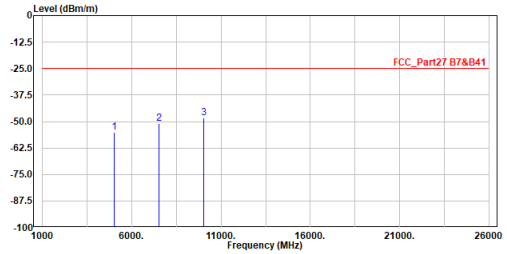


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	1688.000	-50.16	-13.00	-37.16	-35.88	-14.28	Peak
2	2532.000	-57.94	-13.00	-44.94	-46.06	-11.88	Peak
3	3376.000	-59.34	-13.00	-46.34	-49.31	-10.03	Peak

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.

LTE Band 7

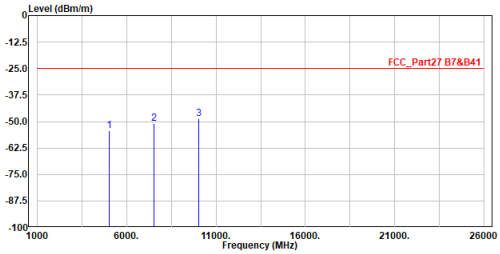
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B7_CH20850
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	5020.000	-55.22	-25.00	-30.22	-49.80	-5.42	Peak
2	7530.000	-50.79	-25.00	-25.79	-50.22	-0.57	Peak
3	10040.000	-48.46	-25.00	-23.46	-51.56	3.10	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.

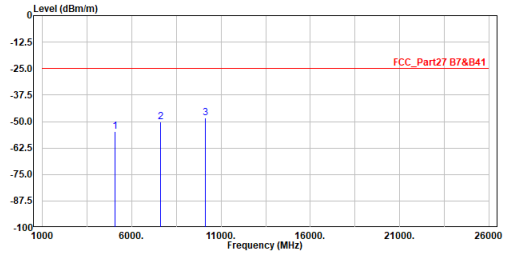
Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B7_CH20850
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	5020.000	-54.23	-25.00	-29.23	-48.81	-5.42	Peak
2	7530.000	-50.90	-25.00	-25.90	-50.33	-0.57	Peak
3	10040.000	-48.77	-25.00	-23.77	-51.87	3.10	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.

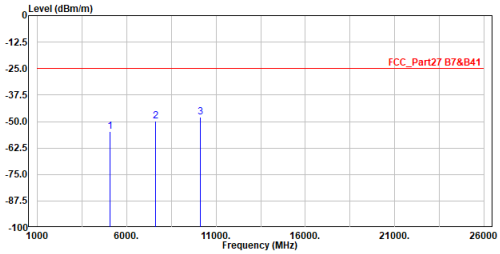
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B7_CH21100
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	5070.000	-54.88	-25.00	-29.88	-49.45	-5.43	Peak
2	7605.000	-50.28	-25.00	-25.28	-49.74	-0.54	Peak
3	10140.000	-48.16	-25.00	-23.16	-51.42	3.26	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.

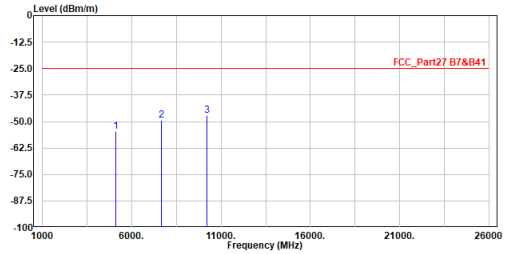
Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B7_CH21100
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	5070.000	-54.55	-25.00	-29.55	-49.12	-5.43	Peak
2	7605.000	-49.80	-25.00	-24.80	-49.26	-0.54	Peak
3	10140.000	-47.80	-25.00	-22.80	-51.06	3.26	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.

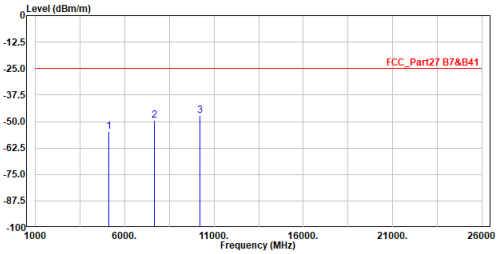
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B7_CH21300
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	5110.000	-54.57	-25.00	-29.57	-49.13	-5.44	Peak
2	7665.000	-49.49	-25.00	-24.49	-48.97	-0.52	Peak
3	10220.000	-46.99	-25.00	-21.99	-50.36	3.37	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_B7_CH21300
Test By :Cyril

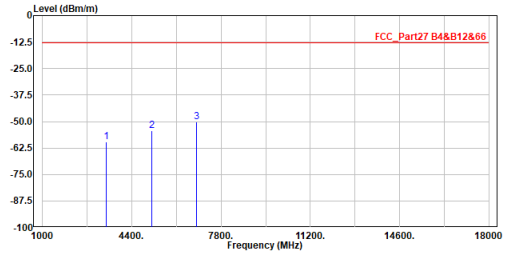


No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	5110.000	-54.58	-25.00	-29.58	-49.14	-5.44	Peak
2	7665.000	-49.49	-25.00	-24.49	-48.97	-0.52	Peak
3	10220.000	-47.22	-25.00	-22.22	-50.59	3.37	Peak

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.

LTE Band 66

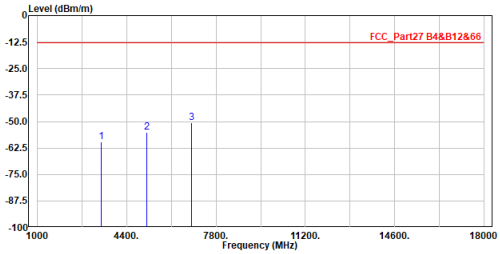
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B66_CH132072
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3440.000	-59.66	-13.00	-46.66	-49.71	-9.95	Peak
2	5160.000	-54.48	-13.00	-41.48	-49.03	-5.45	Peak
3	6880.000	-50.24	-13.00	-37.24	-48.74	-1.50	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.

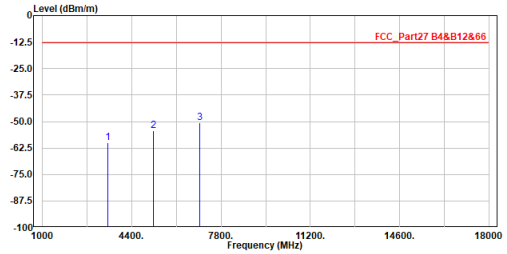
Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B66_CH132072
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3440.000	-59.46	-13.00	-46.46	-49.51	-9.95	Peak
2	5160.000	-54.94	-13.00	-41.94	-49.49	-5.45	Peak
3	6880.000	-50.56	-13.00	-37.56	-49.06	-1.50	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.

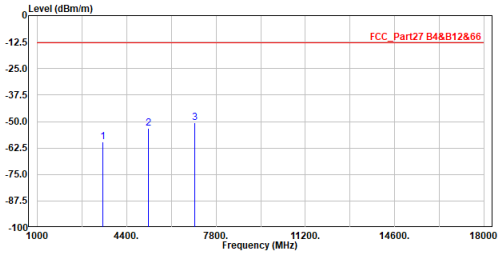
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B66_CH132322
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3490.000	-59.85	-13.00	-46.85	-49.97	-9.88	Peak
2	5235.000	-54.20	-13.00	-41.20	-48.73	-5.47	Peak
3	6980.000	-50.64	-13.00	-37.64	-49.25	-1.39	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.

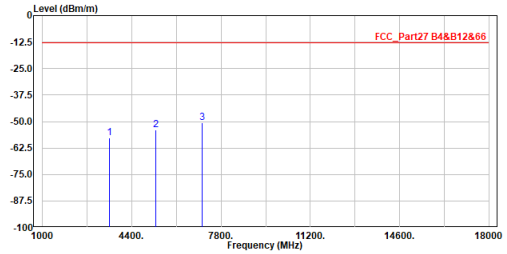
Site :HC-CB04
Condition :3m Vertical
Mode :LTE_B66_CH132322
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3490.000	-59.71	-13.00	-46.71	-49.83	-9.88	Peak
2	5235.000	-53.13	-13.00	-40.13	-47.66	-5.47	Peak
3	6980.000	-50.58	-13.00	-37.58	-49.19	-1.39	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.

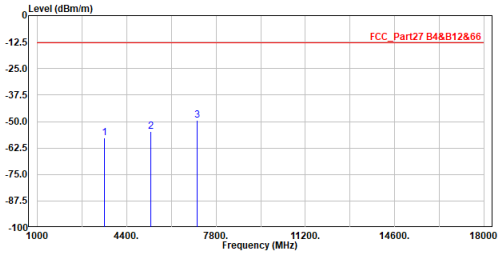
Site :HC-CB04
Condition :3m Horizontal
Mode :LTE_B66_CH132572
Test By :Cyril



No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3540.000	-57.78	-13.00	-44.78	-48.09	-9.69	Peak
2	5310.000	-54.06	-13.00	-41.06	-48.56	-5.50	Peak
3	7080.000	-50.40	-13.00	-37.40	-49.15	-1.25	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_B66_CH132572
Test By :Cyril

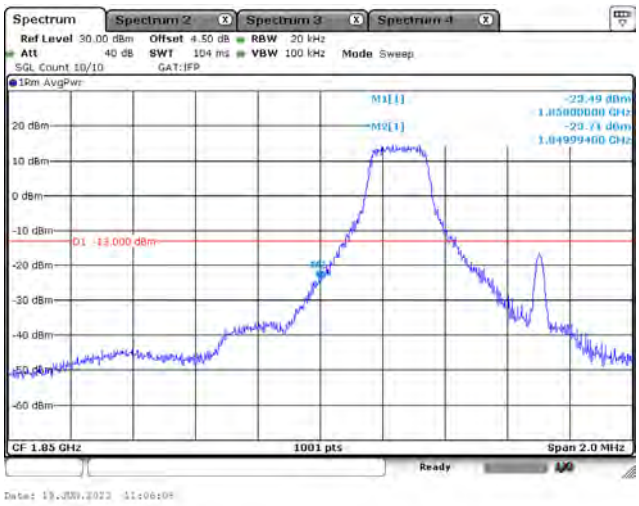
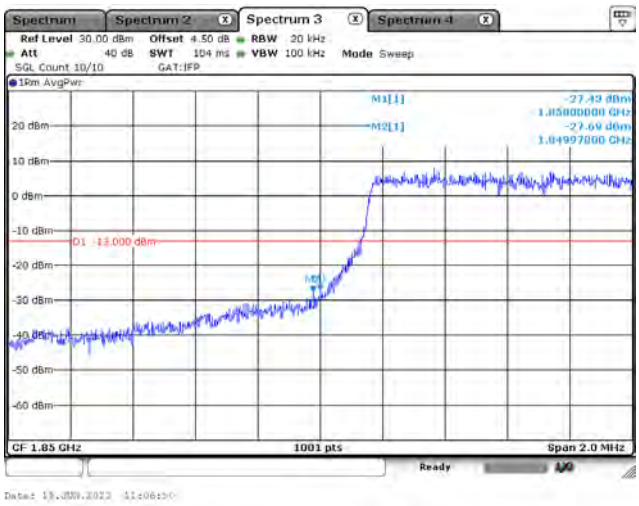
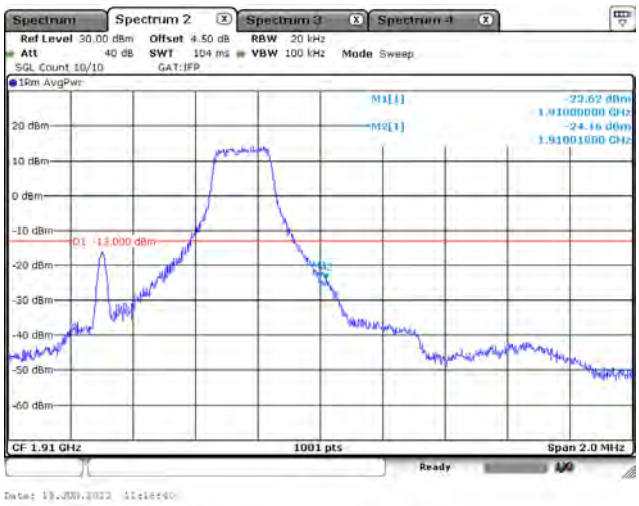
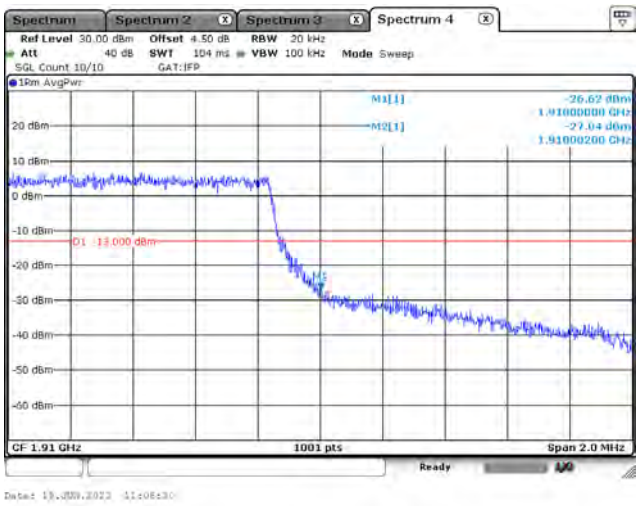
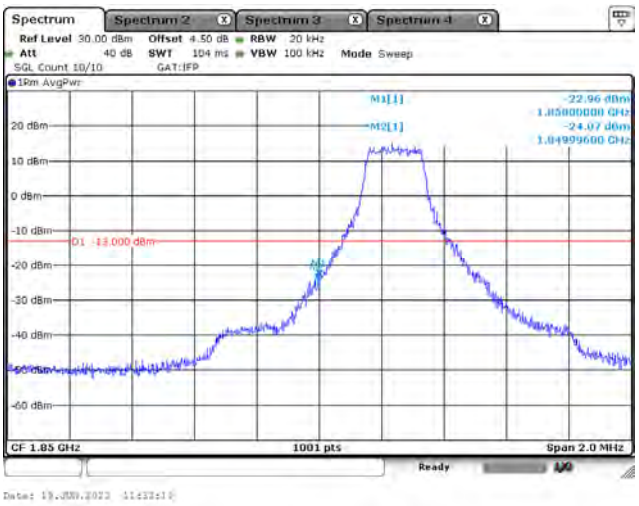
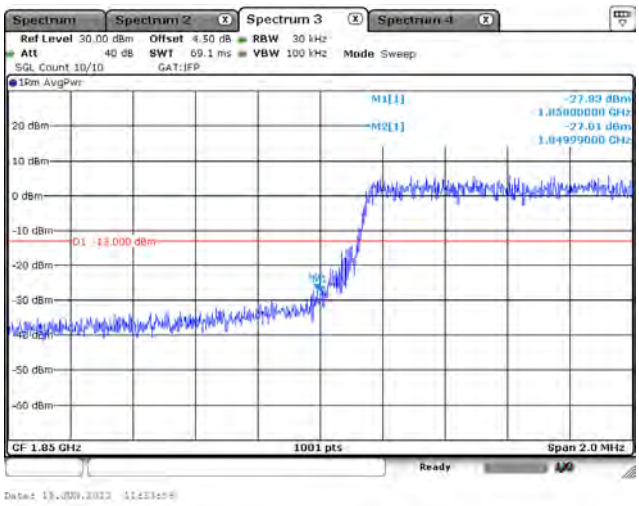


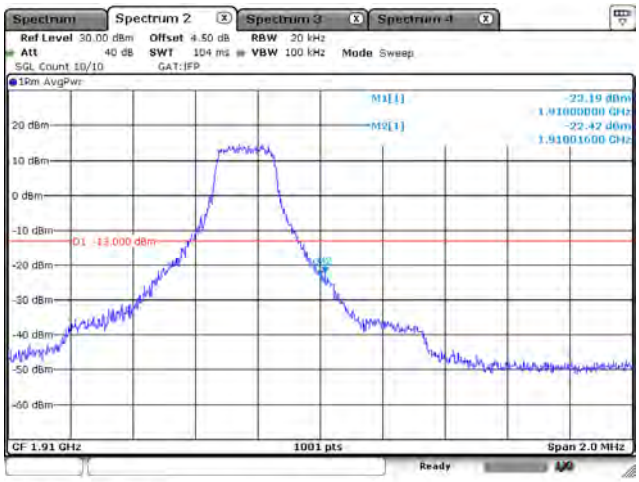
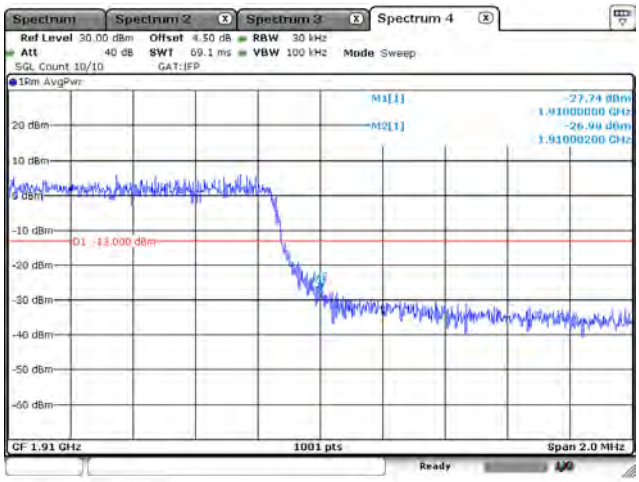
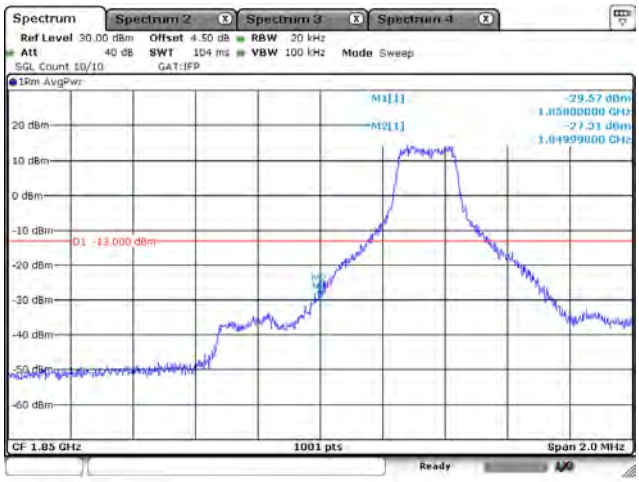
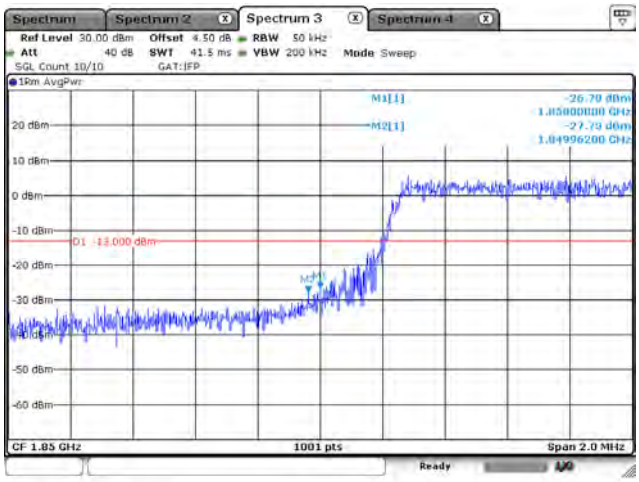
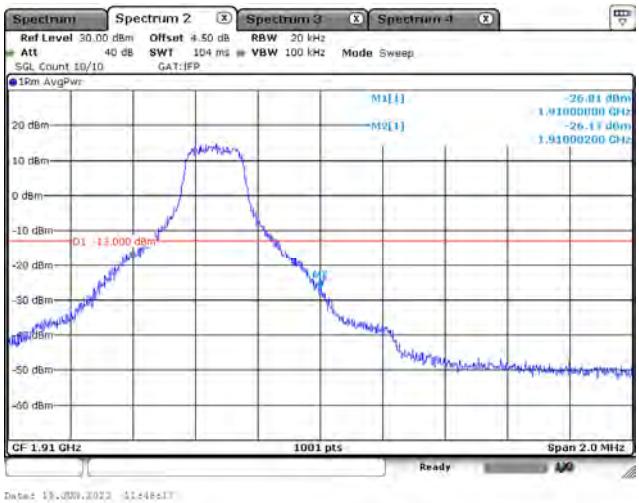
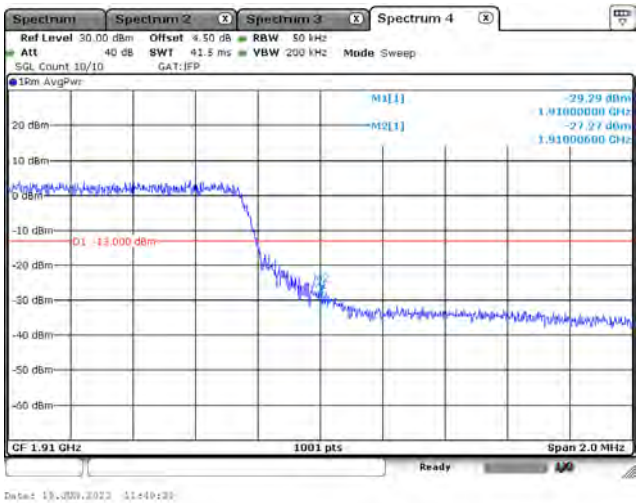
No.	Frequency	Level	Limit Line	Over Limit	Read Level	Factor	Remark
	MHz	dBm	dBm	dB	dBm	dB	
1	3540.000	-57.55	-13.00	-44.55	-47.86	-9.69	Peak
2	5310.000	-54.58	-13.00	-41.58	-49.08	-5.50	Peak
3	7080.000	-49.61	-13.00	-36.61	-48.36	-1.25	Peak

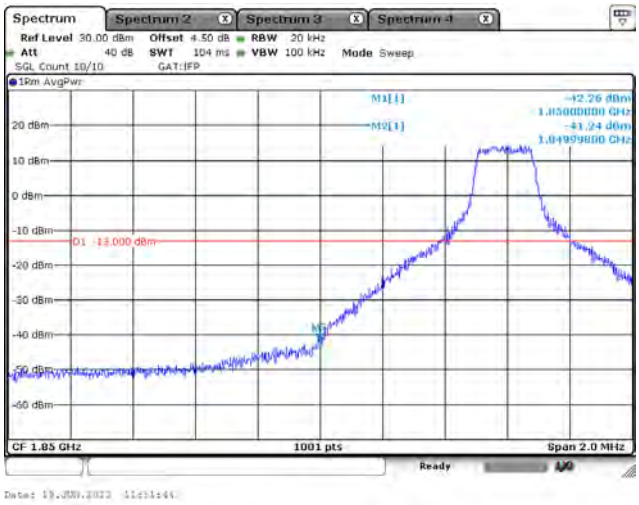
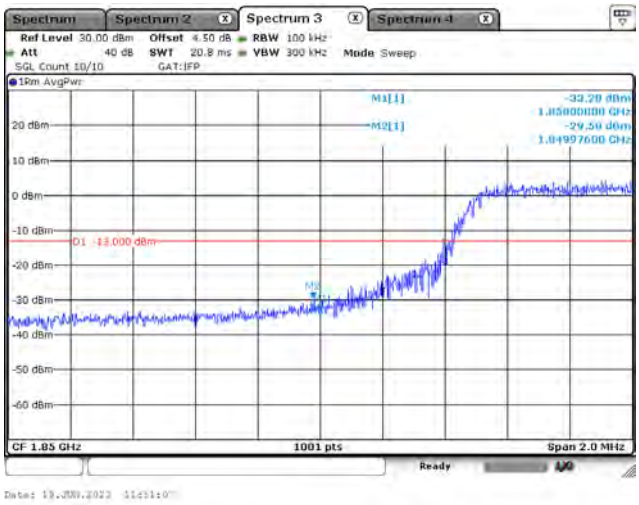
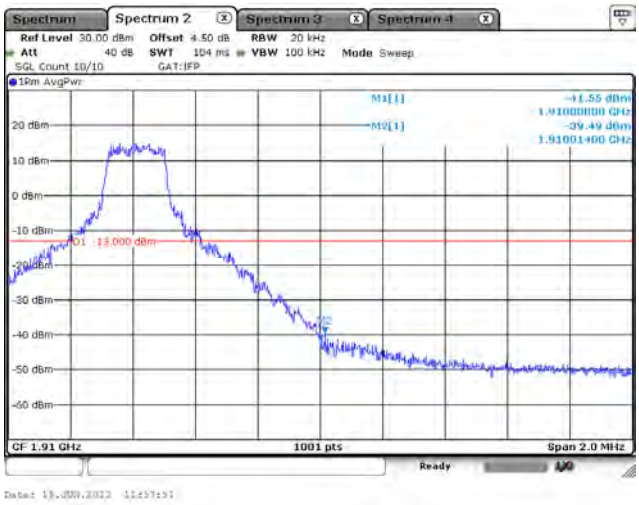
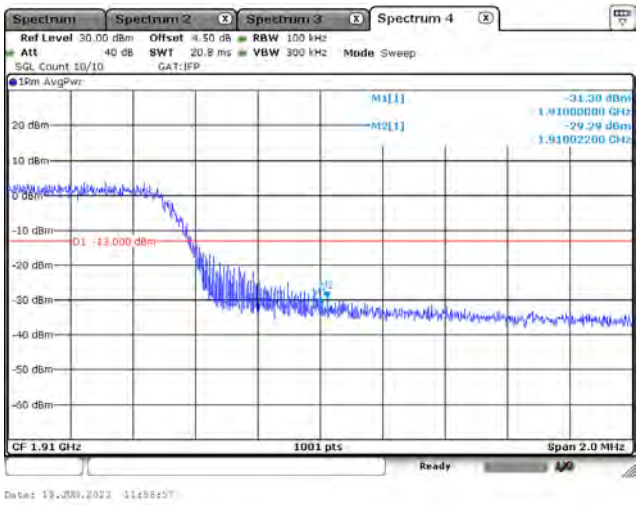
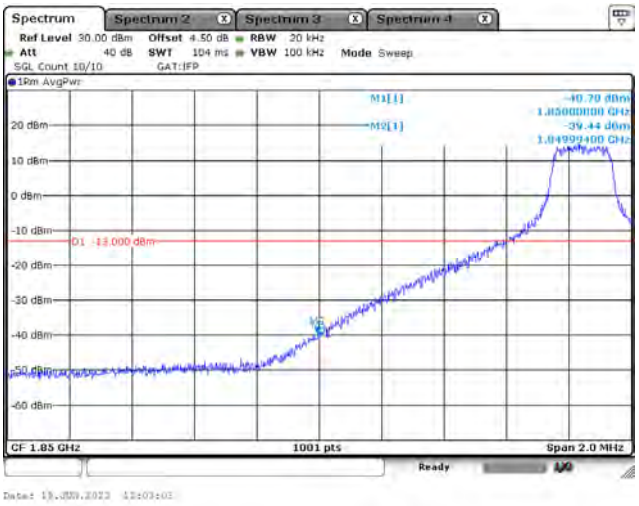
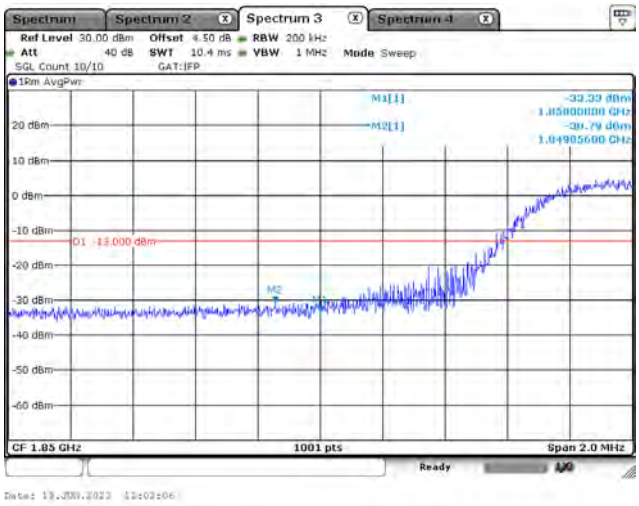
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor + Aux Factor
3. Over Limit = Level - Limit Line
4. Aux Factor = Convert E (dBuVm) to EIRP (dBm)
= 107 + 20log(3) - 104.8 = 11.8 dB
5. The other emission levels were very low against the limit.
6. The emission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

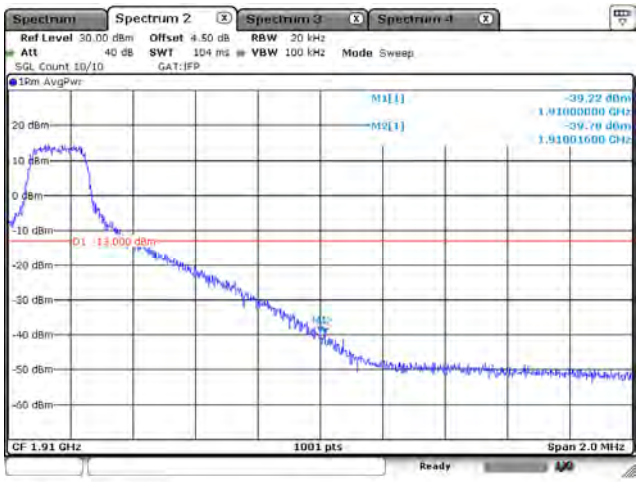
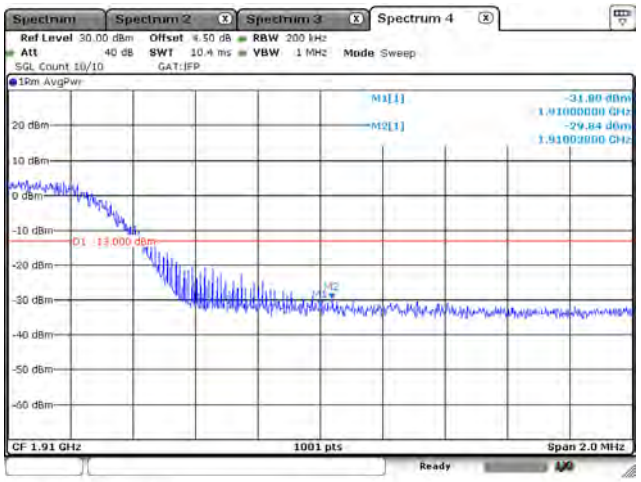
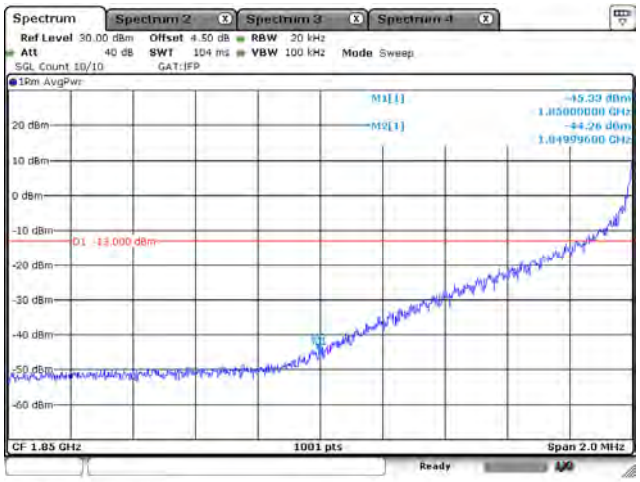
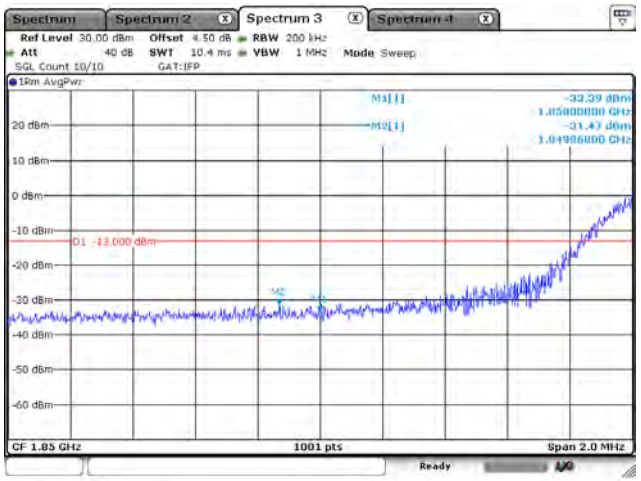
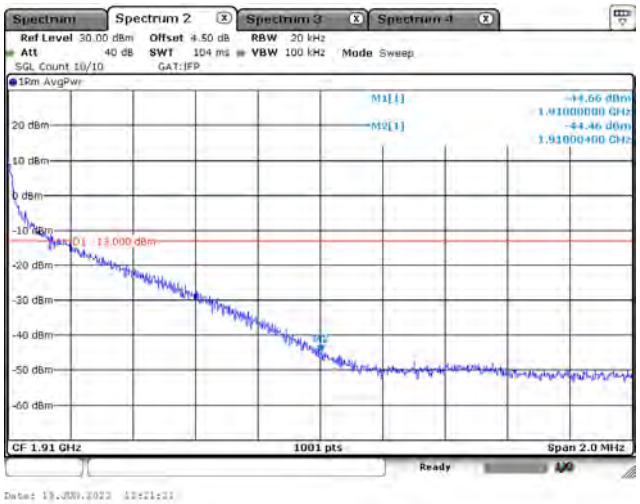
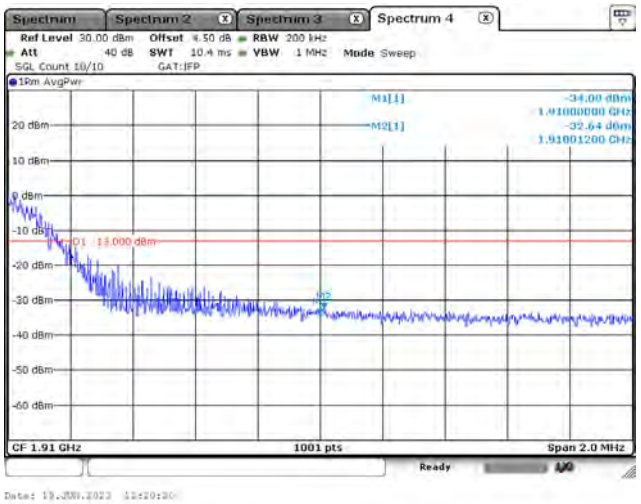
Appendix E. Test Result of Conducted Band Edge

Mode 1: LTE Band 2

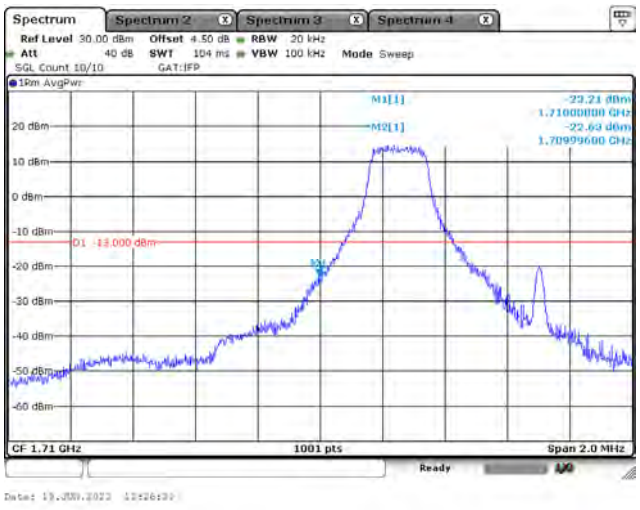
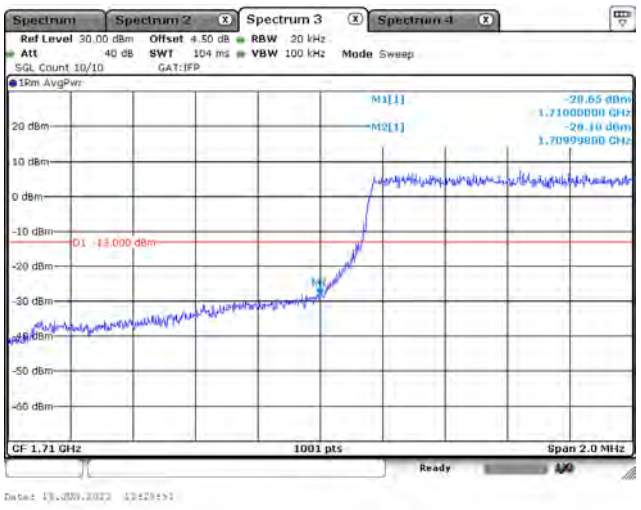
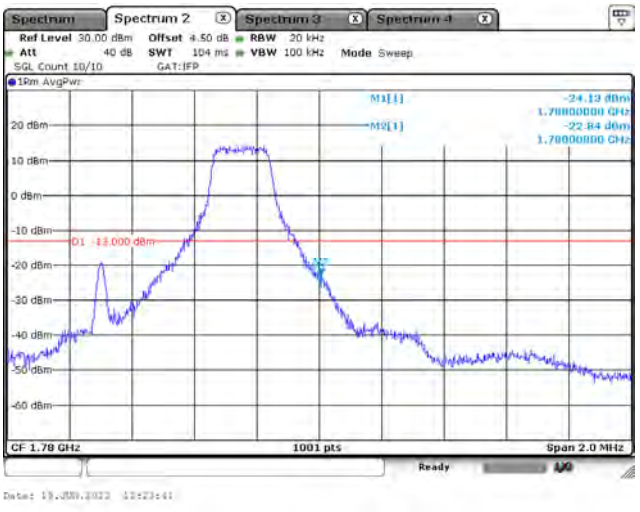
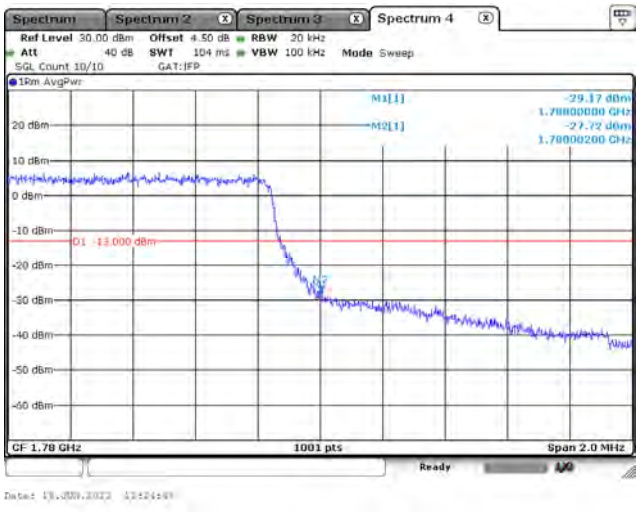
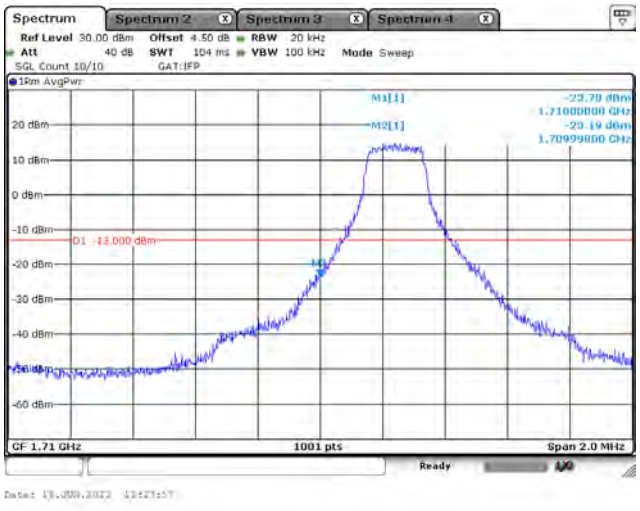
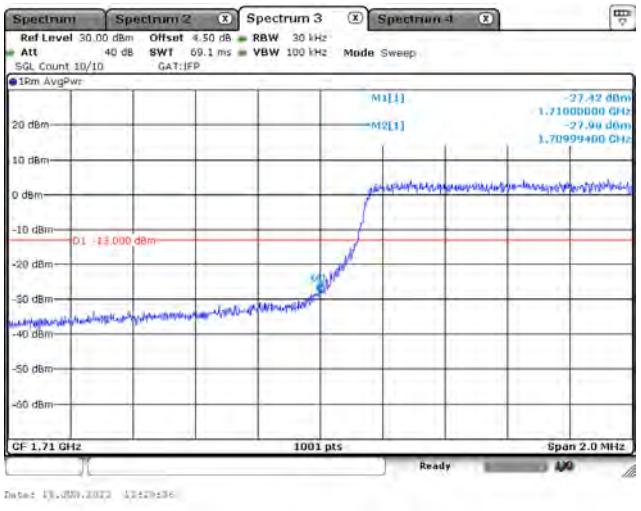
LTE Band 2_CH18607_1.4M_QPSK_1RB	LTE Band 2_CH18607_1.4M_QPSK_Full RB
	
LTE Band 2_CH19193_1.4M_QPSK_1RB	LTE Band 2_CH19193_1.4M_QPSK_Full RB
	
LTE Band 2_CH18615_3M_QPSK_1RB	LTE Band 2_CH18615_3M_QPSK_Full RB
	

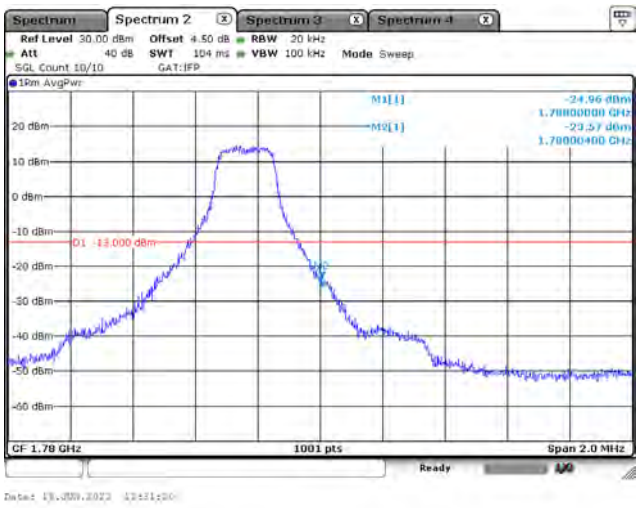
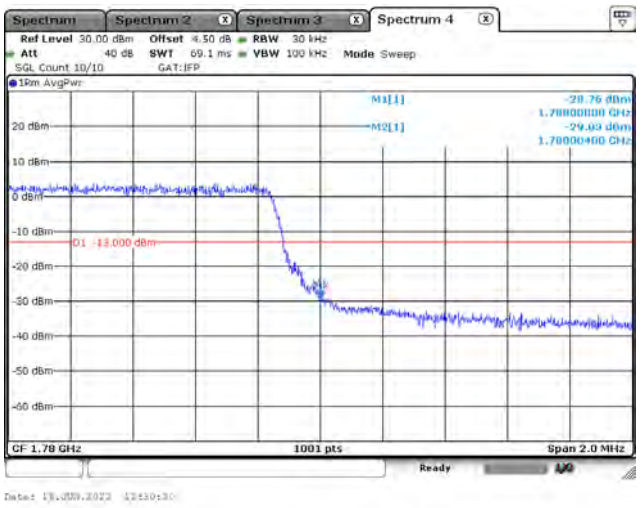
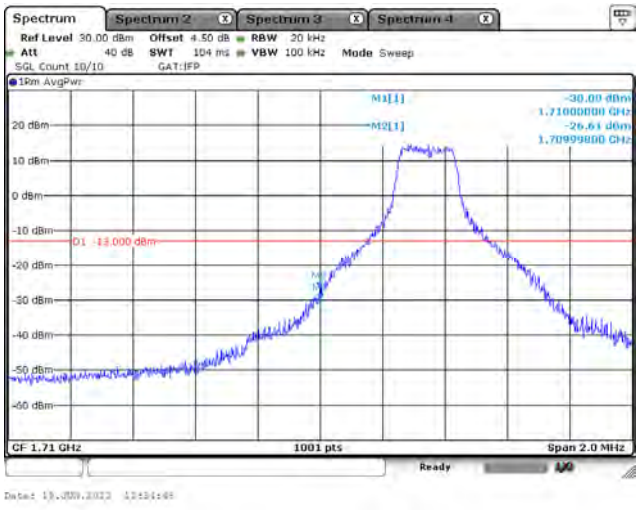
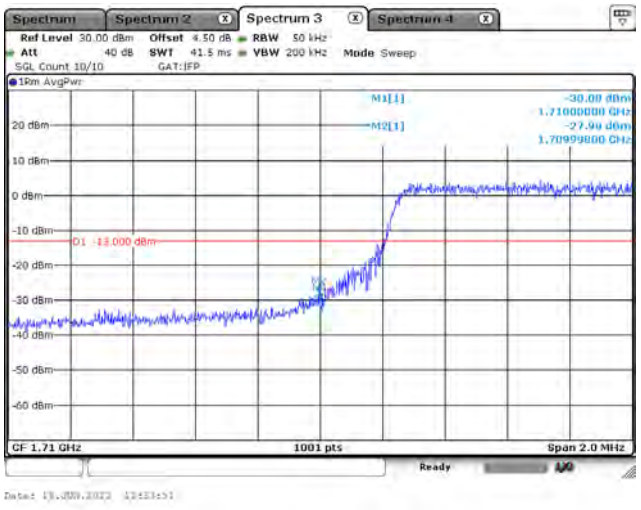
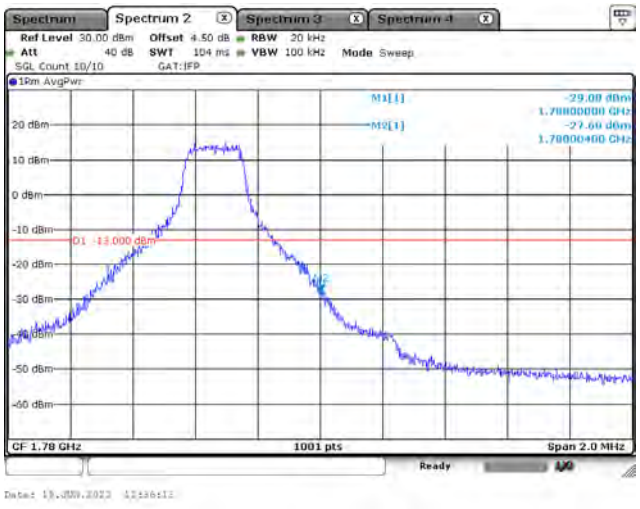
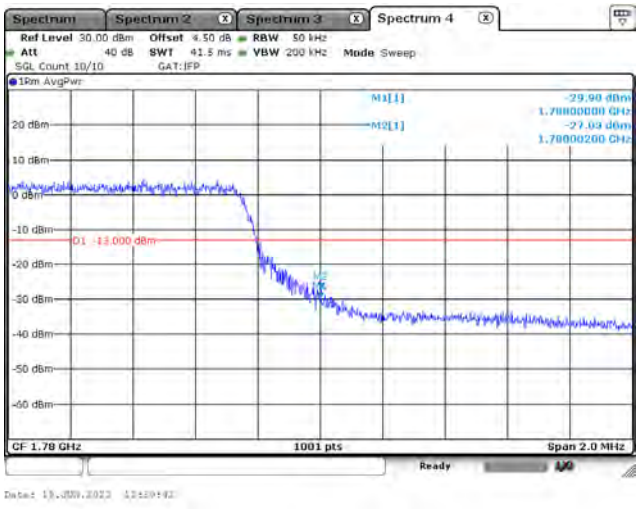
LTE Band 2_CH19185_3M_QPSK_1RB	LTE Band 2_CH19185_3M_QPSK_Full RB
	
LTE Band 2_CH18625_5M_QPSK_1RB	LTE Band 2_CH18625_5M_QPSK_Full RB
	
LTE Band 2_CH19175_5M_QPSK_1RB	LTE Band 2_CH19175_5M_QPSK_Full RB
	

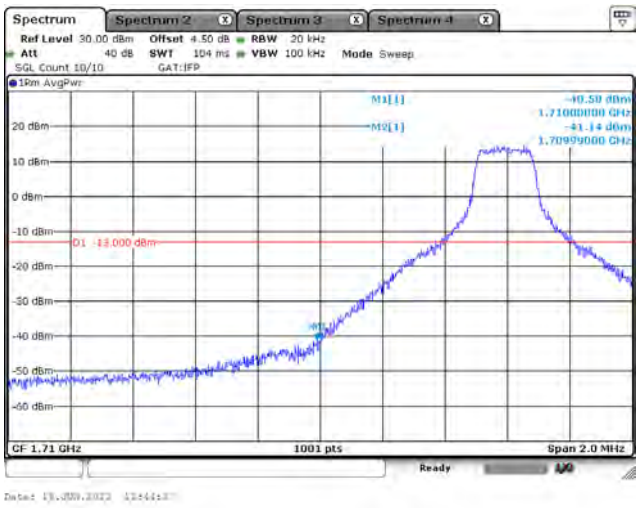
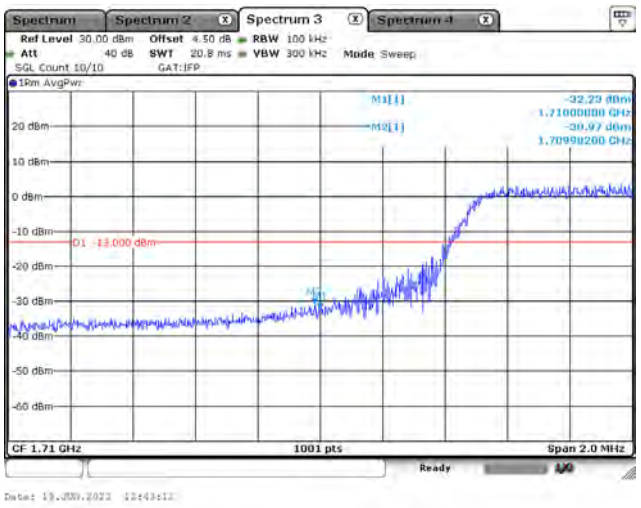
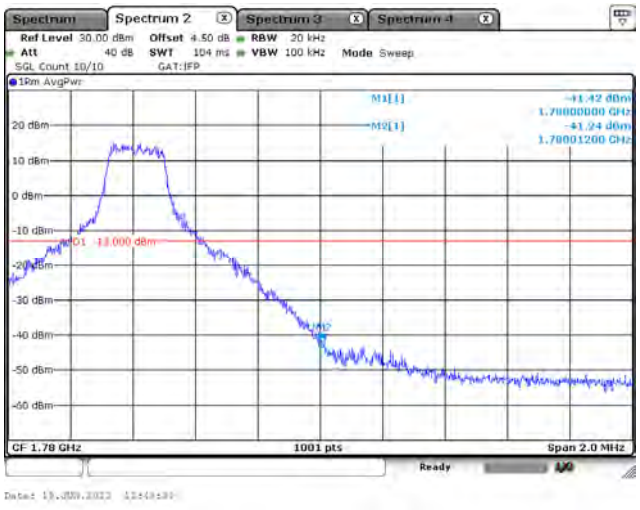
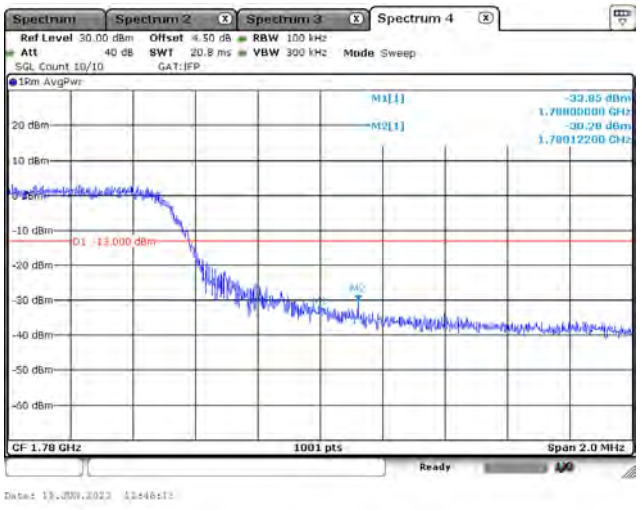
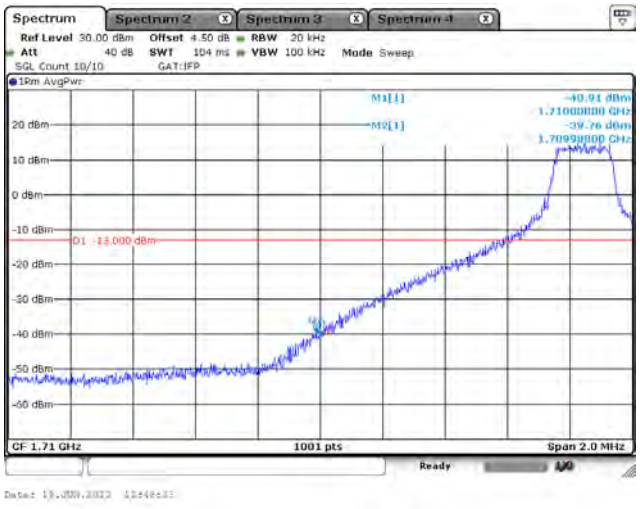
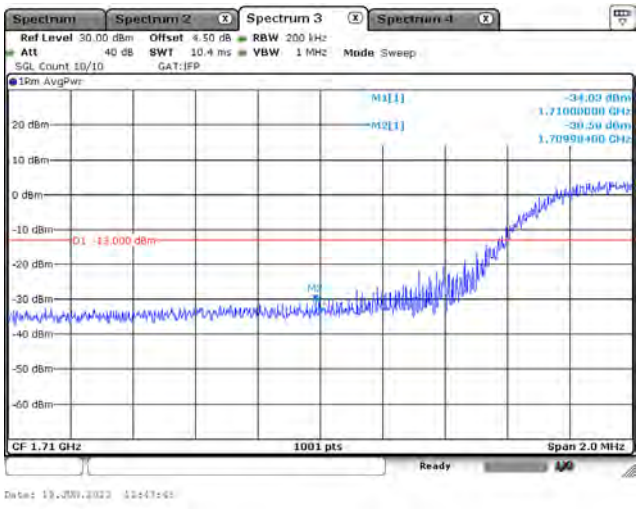
LTE Band 2_CH18650_10M_QPSK_1RB	LTE Band 2_CH18650_10M_QPSK_Full RB
	
LTE Band 2_CH19150_10M_QPSK_1RB	LTE Band 2_CH19150_10M_QPSK_Full RB
	
LTE Band 2_CH18675_15M_QPSK_1RB	LTE Band 2_CH18675_15M_QPSK_Full RB
	

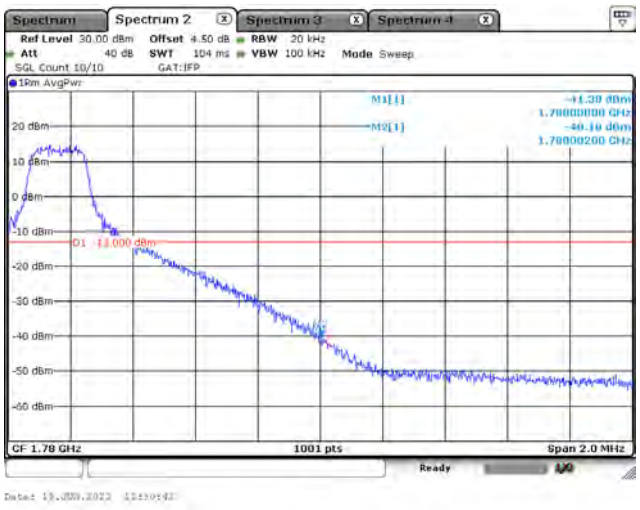
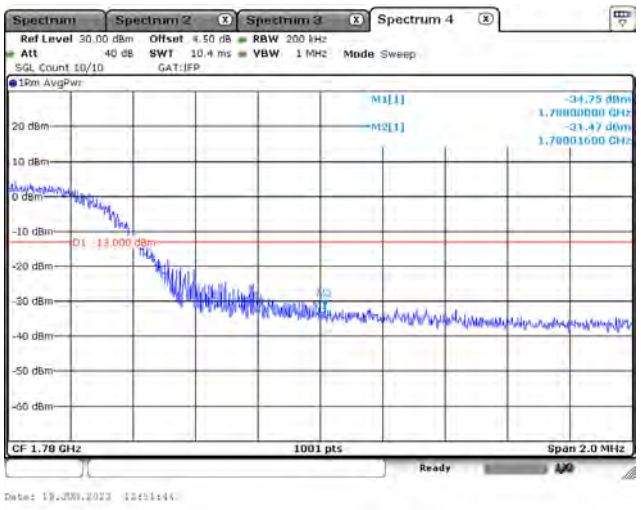
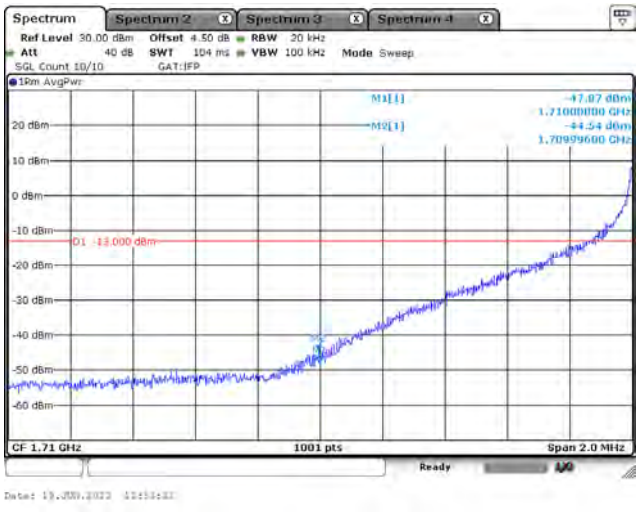
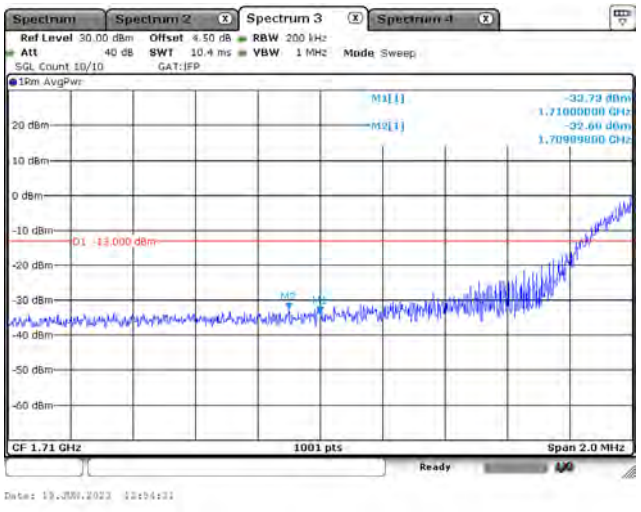
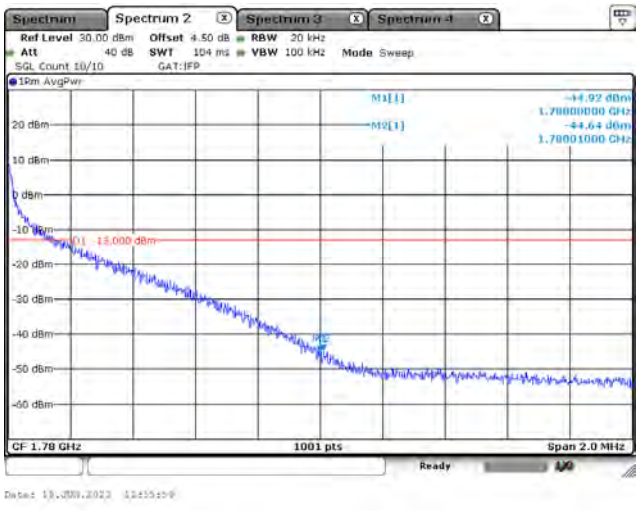
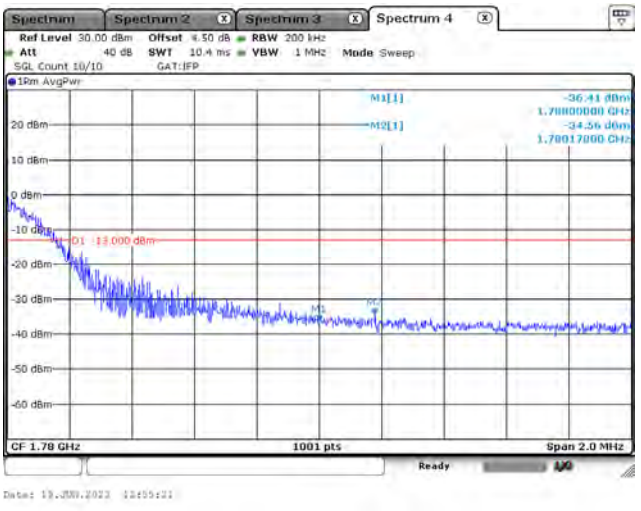
LTE Band 2_CH19125_15M_QPSK_1RB	LTE Band 2_CH19125_15M_QPSK_Full RB
	
LTE Band 2_CH18700_20M_QPSK_1RB	LTE Band 2_CH18700_20M_QPSK_Full RB
	
LTE Band 2_CH19100_20M_QPSK_1RB	LTE Band 2_CH19100_20M_QPSK_Full RB
	

Mode 2: LTE Band 4/66

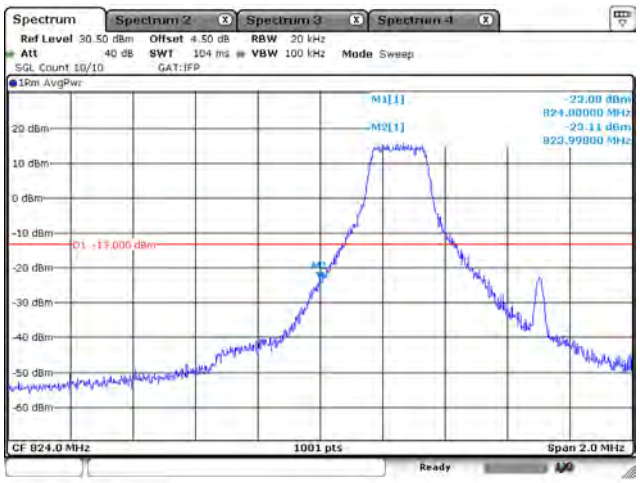
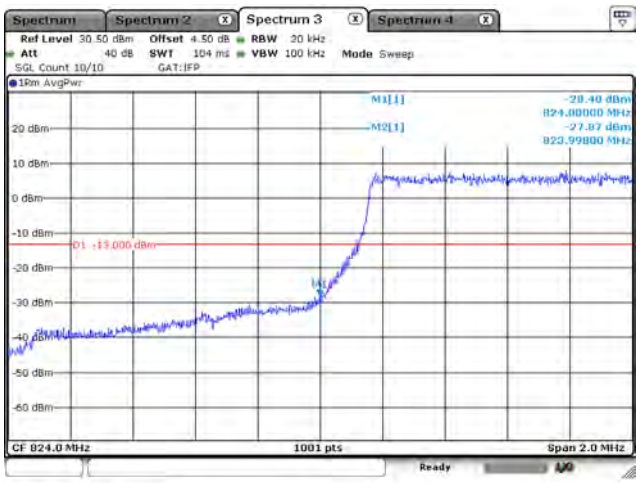
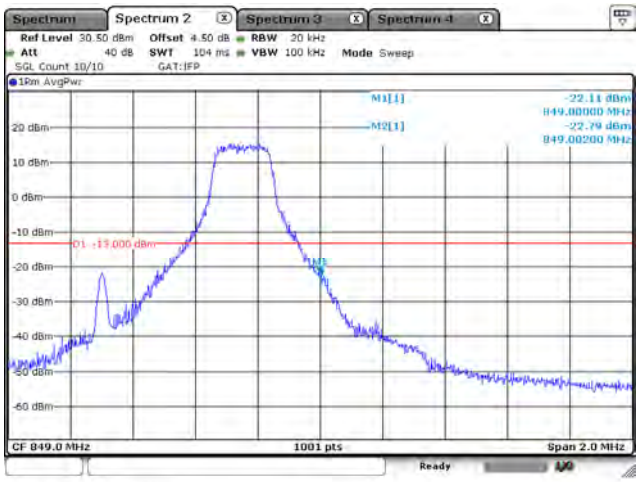
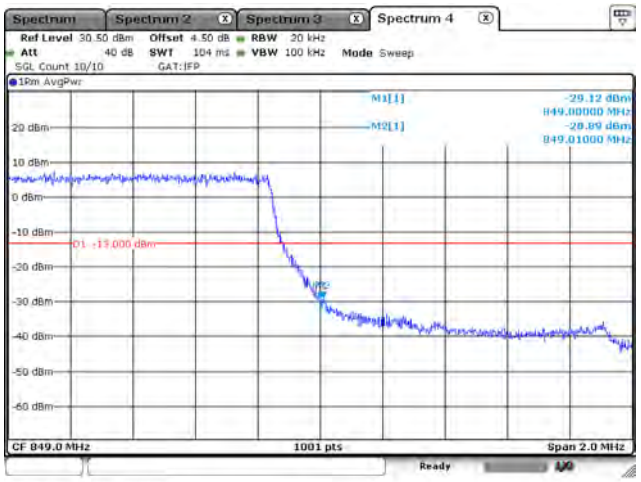
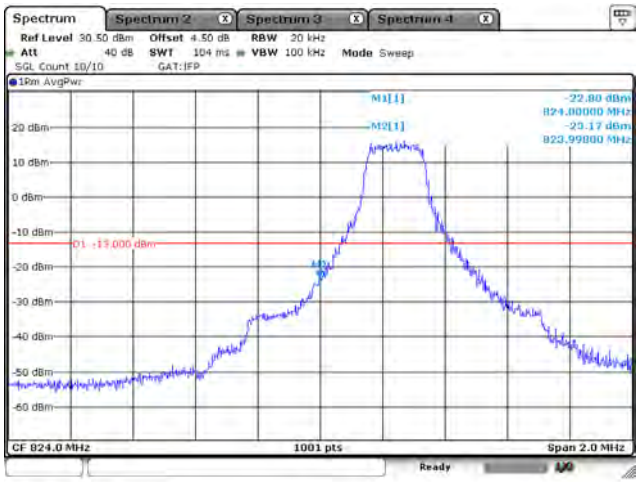
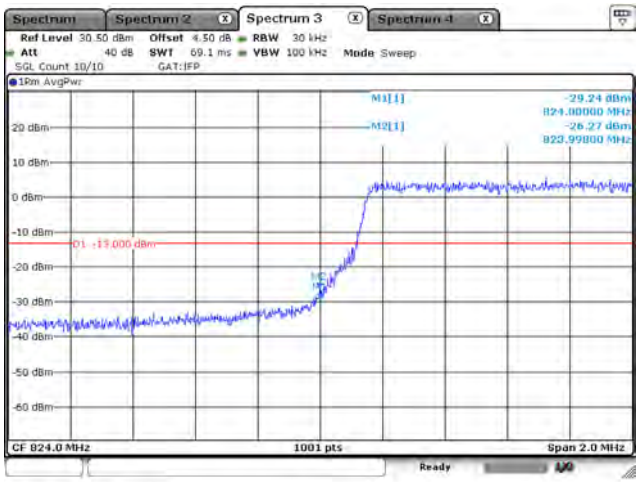
LTE Band 4/66_CH131979_1.4M_QPSK_1RB	LTE Band 4/66_CH131979_1.4M_QPSK_Full RB
	
LTE Band 4/66_CH132665_1.4M_QPSK_1RB	**LTE Band 4/66_CH132665_1.4M_QPSK_Full RB**
	
LTE Band 4/66_CH131987_3M_QPSK_1RB	**LTE Band 4/66_CH131987_3M_QPSK_Full RB**
	

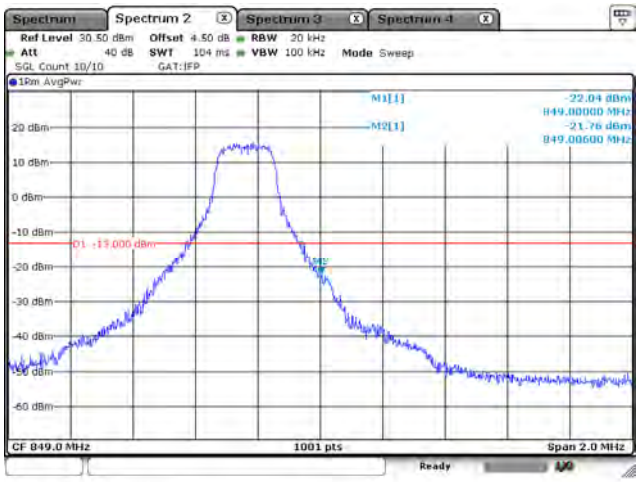
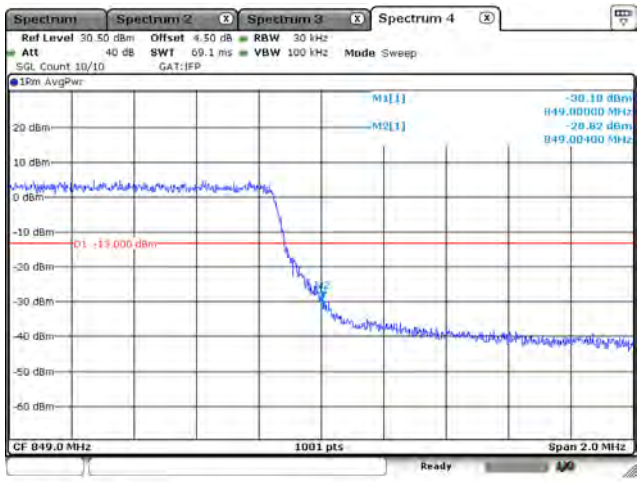
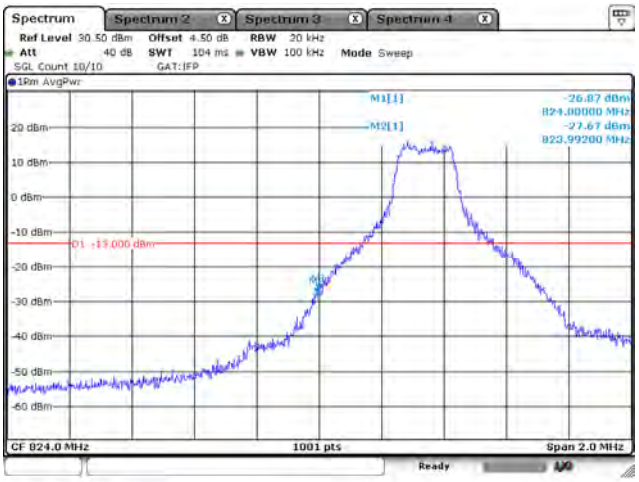
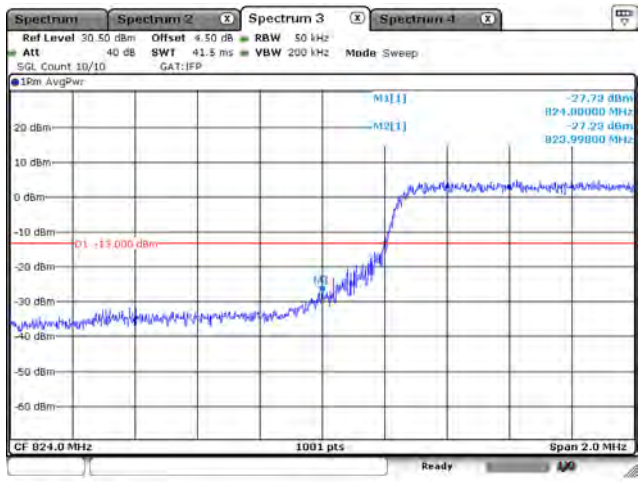
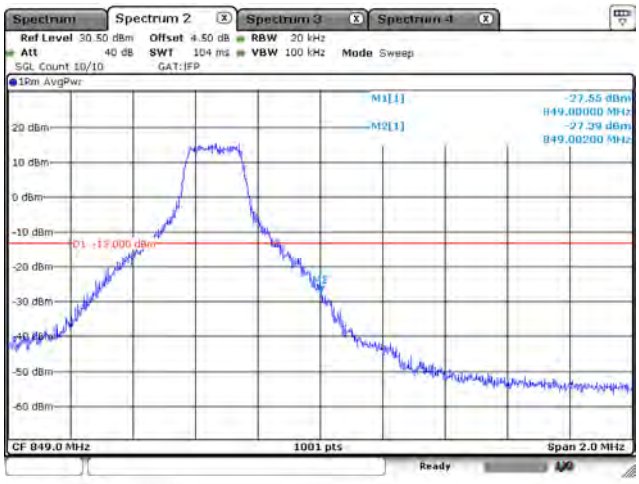
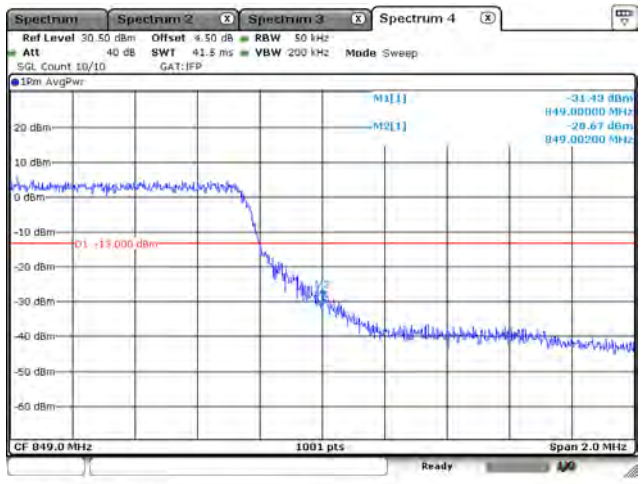
LTE Band 4/66_CH132657_3M_QPSK_1RB	LTE Band 4/66_CH132657_3M_QPSK_Full RB
	
LTE Band 4/66_CH131997_5M_QPSK_1RB	LTE Band 4/66_CH131997_5M_QPSK_Full RB
	
LTE Band 4/66_CH132647_5M_QPSK_1RB	LTE Band 4/66_CH132647_5M_QPSK_Full RB
	

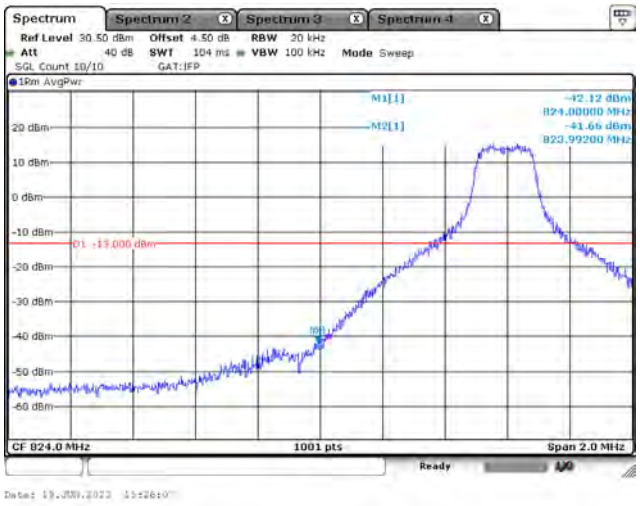
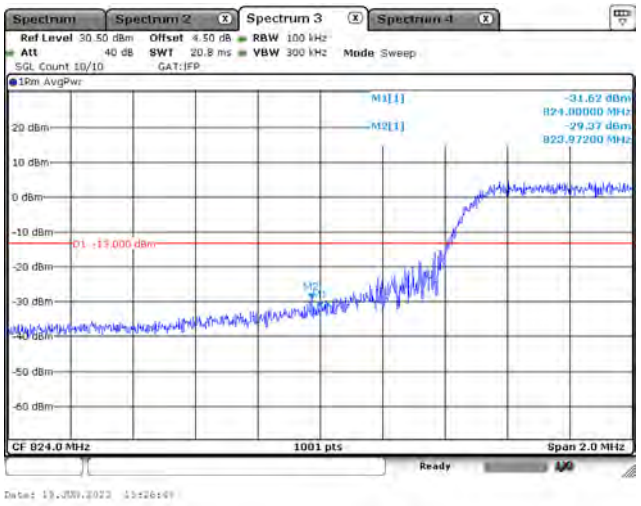
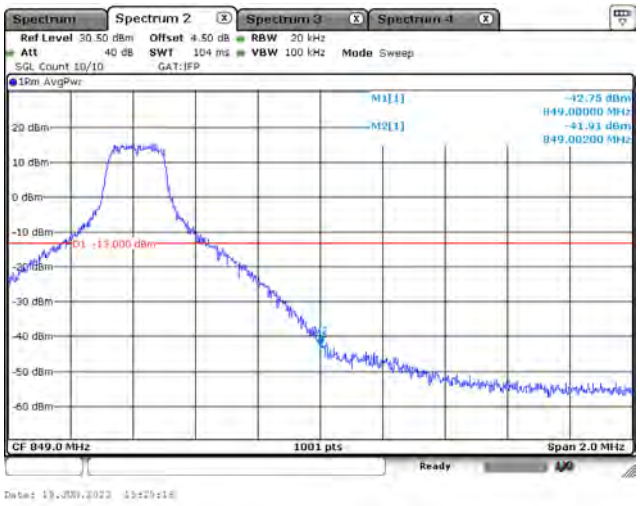
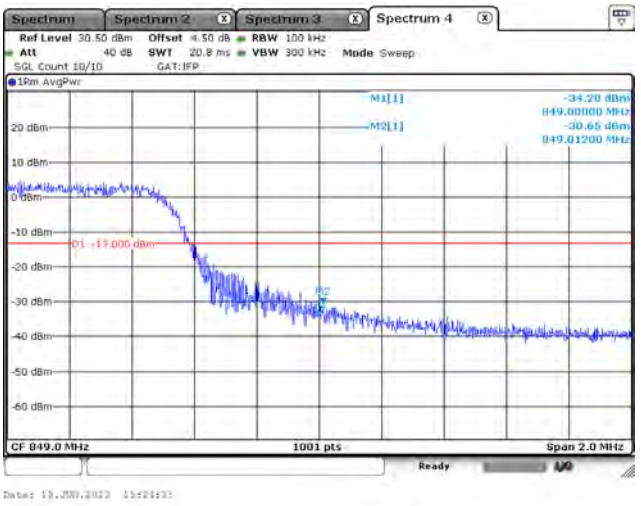
LTE Band 4/66_CH132022_10M_QPSK_1RB	LTE Band 4/66_CH132022_10M_QPSK_Full RB
	
LTE Band 4/66_CH132622_10M_QPSK_1RB	LTE Band 4/66_CH132622_10M_QPSK_Full RB
	
LTE Band 4/66_CH132047_15M_QPSK_1RB	LTE Band 4/66_CH132047_15M_QPSK_Full RB
	

LTE Band 4/66_CH132597_15M_QPSK_1RB	LTE Band 4/66_CH132597_15M_QPSK_Full RB
	
LTE Band 4/66_CH132072_20M_QPSK_1RB	LTE Band 4/66_CH132072_20M_QPSK_Full RB
	
LTE Band 4/66_CH132572_20M_QPSK_1RB	LTE Band 4/66_CH132572_20M_QPSK_Full RB
	

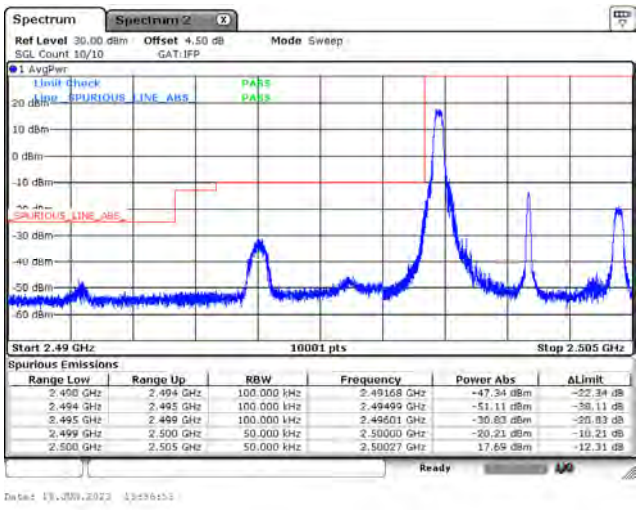
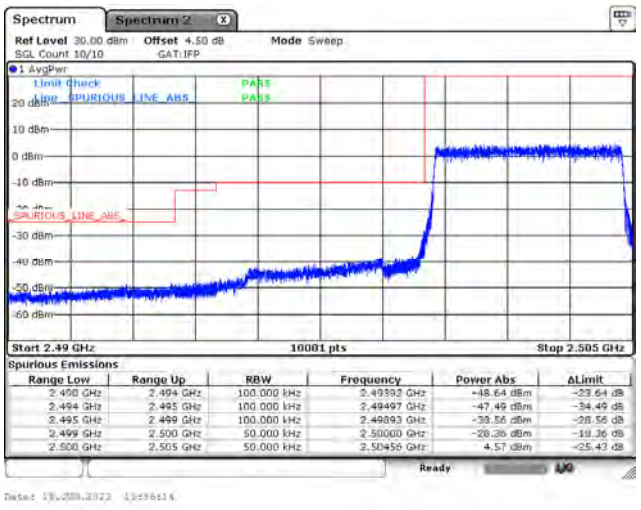
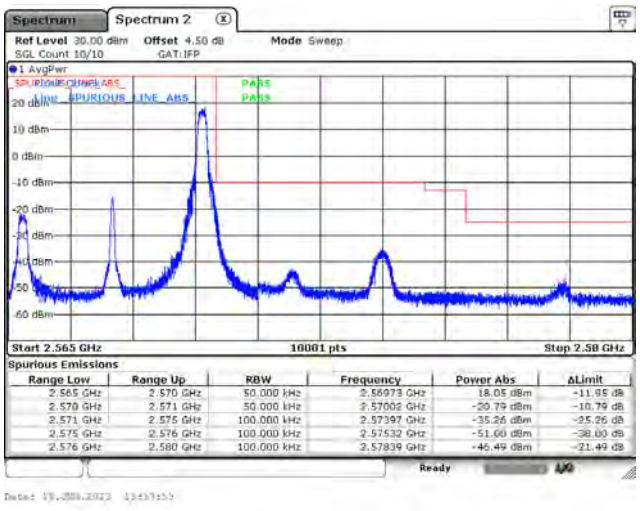
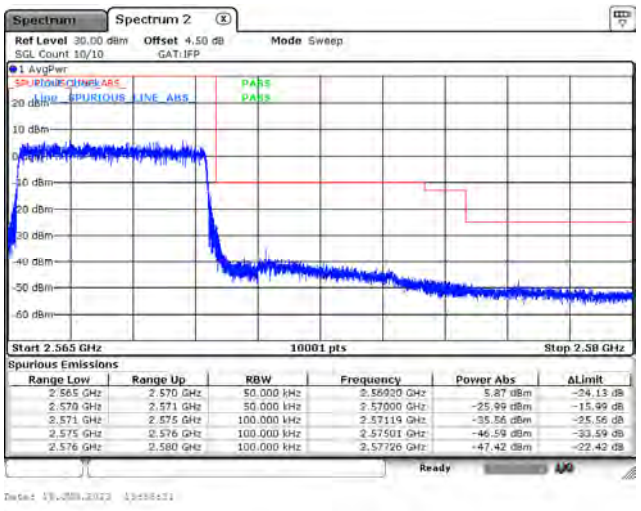
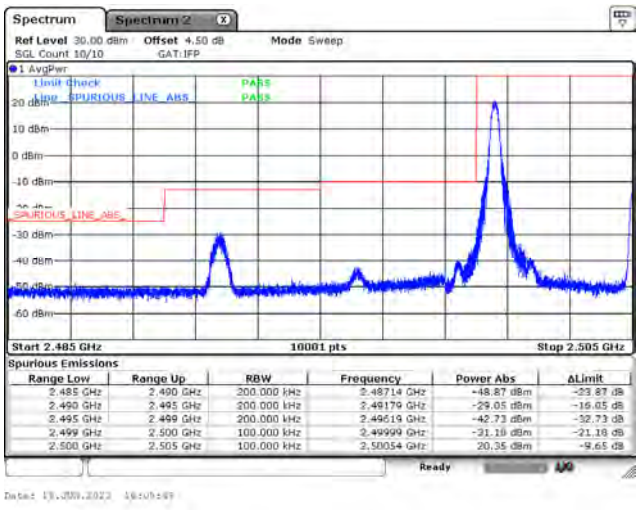
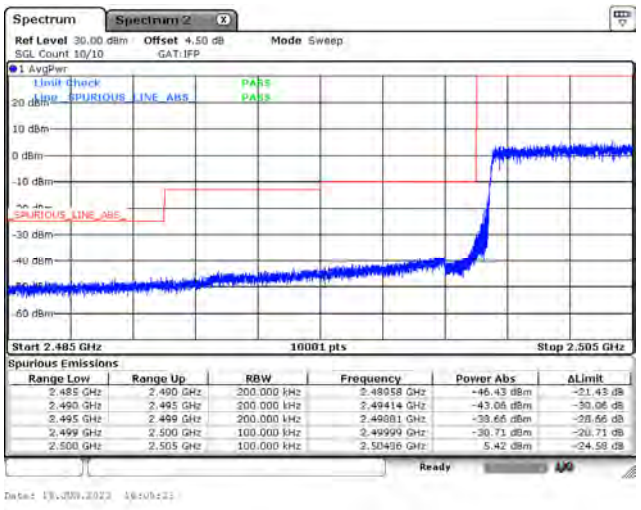
Mode 3: LTE Band 5 (Part 22)

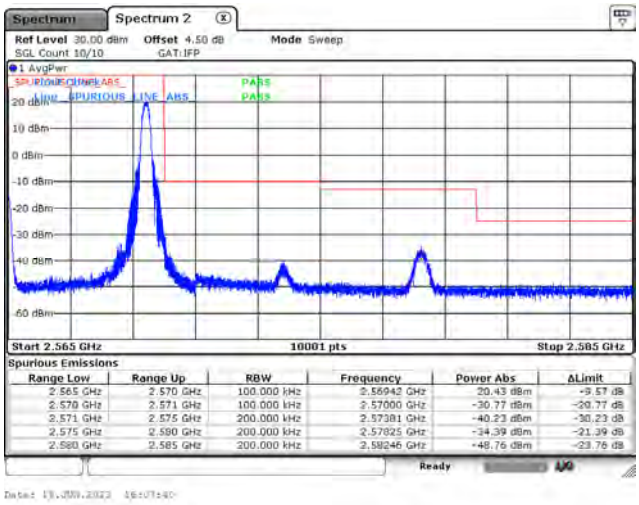
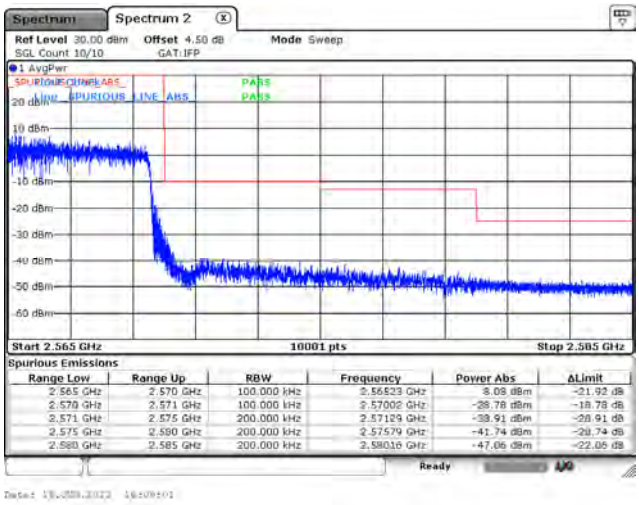
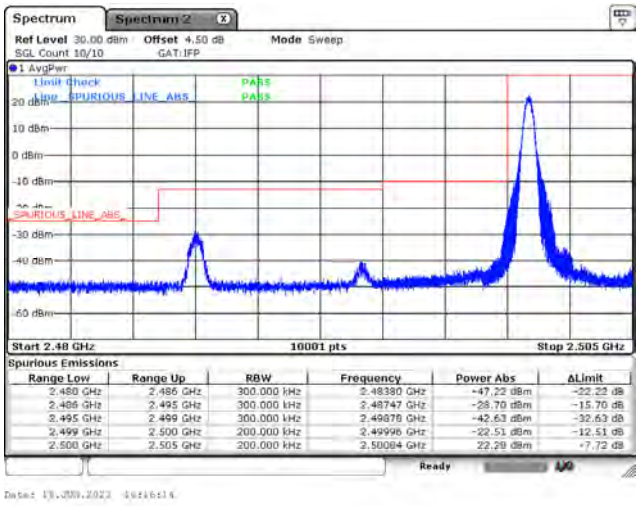
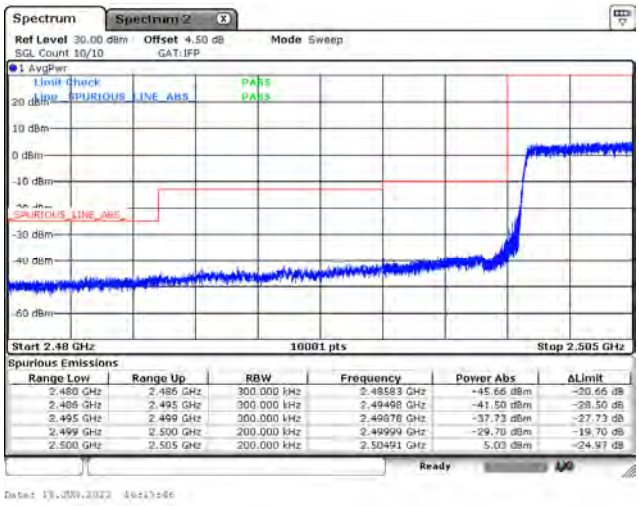
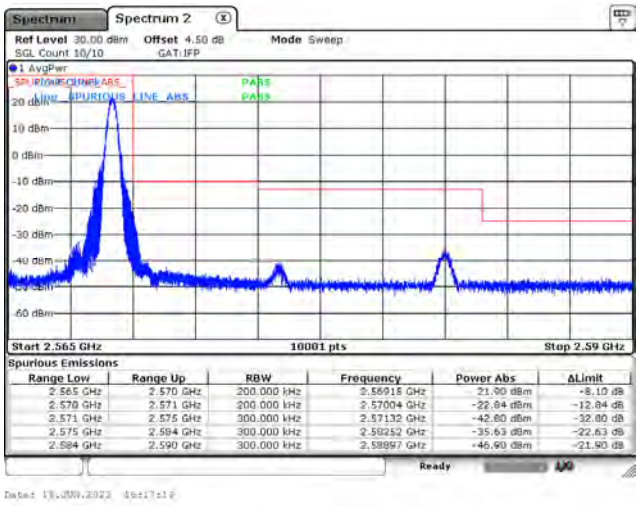
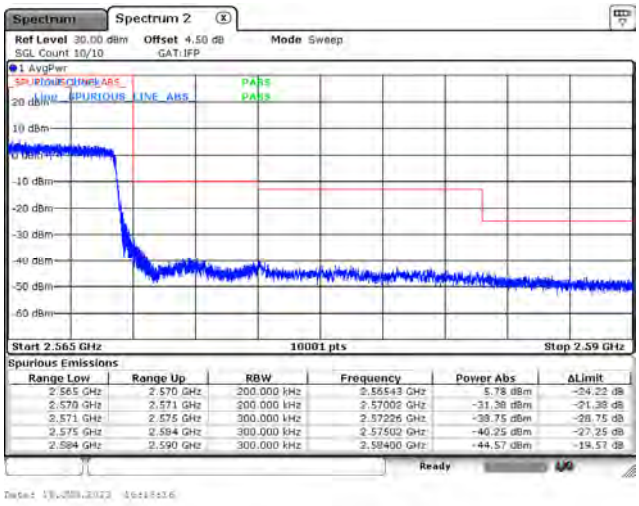
LTE Band 5_CH20407_1.4M_QPSK_1RB	LTE Band 5_CH20407_1.4M_QPSK_Full RB
	
LTE Band 5_CH20643_1.4M_QPSK_1RB	**LTE Band 5_CH20643_1.4M_QPSK_Full RB**
	
LTE Band 5_CH20415_3M_QPSK_1RB	**LTE Band 5_CH20415_3M_QPSK_Full RB**
	

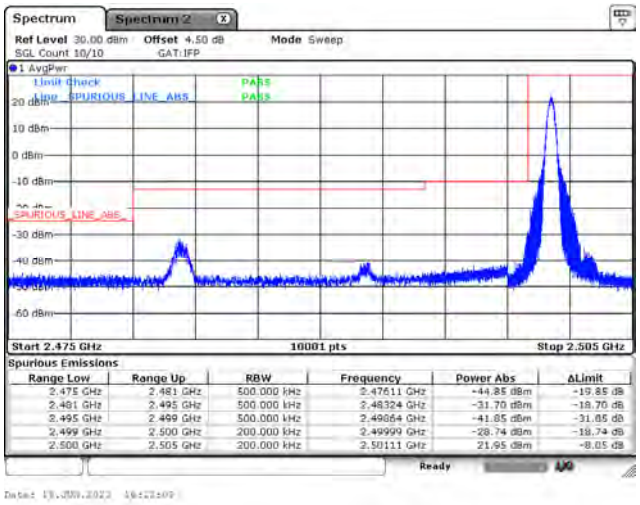
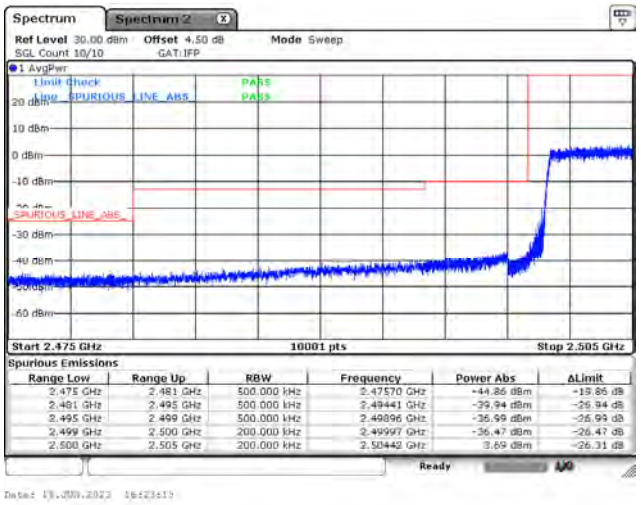
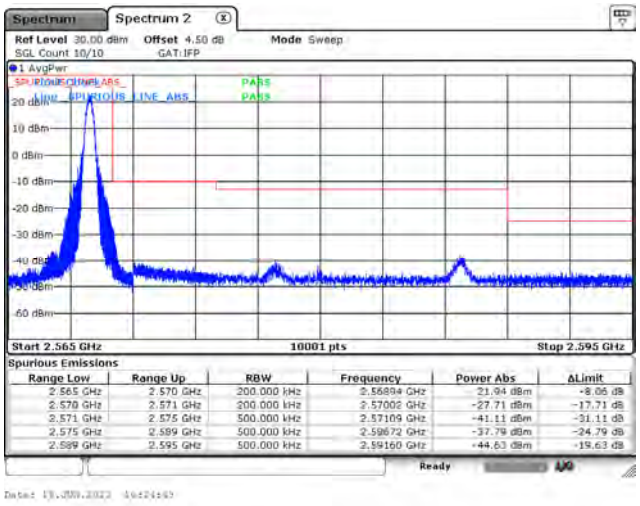
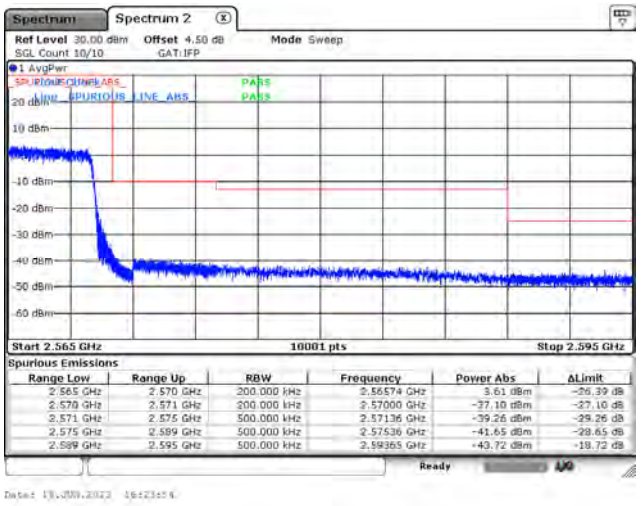
LTE Band 5_CH20635_3M_QPSK_1RB	LTE Band 5_CH20635_3M_QPSK_Full RB
	
LTE Band 5_CH20425_5M_QPSK_1RB	LTE Band 5_CH20425_5M_QPSK_Full RB0
	
LTE Band 5_CH20625_5M_QPSK_1RB	LTE Band 5_CH20625_5M_QPSK_Full RB
	

LTE Band 5_CH20450_10M_QPSK_1RB	LTE Band 5_CH20450_10M_QPSK_Full RB
	
LTE Band 5_CH20600_10M_QPSK_1RB	LTE Band 5_CH20600_10M_QPSK_Full RB
	

Mode 4: LTE Band 7

LTE Band 7_CH20775_5M_QPSK_1RB	LTE Band 7_CH20775_5M_QPSK__Full RB
	
LTE Band 7_CH21425_5M_QPSK_1RB	**LTE Band 7_CH21425_5M_QPSK_Full RB**
	
LTE Band 7_CH20800_10M_QPSK_1RB	**LTE Band 7_CH20800_10M_QPSK_Full RB**
	

LTE Band 7_CH21400_10M_QPSK_1RB	LTE Band 7_CH21400_10M_QPSK_Full RB
	
LTE Band 7_CH20825_15M_QPSK_1RB	LTE Band 7_CH20825_15M_QPSK_Full RB
	
LTE Band 7_CH21375_15M_QPSK_1RB	LTE Band 7_CH21375_15M_QPSK_Full RB
	

LTE Band 7_CH20850_20M_QPSK_1RB	LTE Band 7_CH20850_20M_QPSK_Full RB
	
LTE Band 7_CH21350_20M_QPSK_1RB	**LTE Band 7_CH21350_20M_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)
27.60	2.04	0.0011
14.20	3.11	0.0017
10.20	3.29	0.0018

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.66	0.0009
-30	2.98	0.0016
-20	2.9	0.0016
-10	2.73	0.0015
0	1.82	0.0010
10	2.16	0.0012
20	2.12	0.0011
30	3.20	0.0017
40	2.04	0.0011
50	1.83	0.0010
60	1.94	0.0010
70	2.21	0.0012
80	3.20	0.0017
85	2.72	0.0015

LTE Band 2 / 1.4 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.44	0.0013
14.20	2.78	0.0015
10.20	1.60	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.99	0.0011
-30	2.32	0.0012
-20	2.48	0.0013
-10	1.71	0.0009
0	2.64	0.0014
10	2.64	0.0014
20	1.93	0.0010
30	2.56	0.0014
40	2.43	0.0013
50	1.57	0.0008
60	2.15	0.0011
70	1.80	0.0010
80	2.27	0.0012
85	2.29	0.0012

LTE Band 2 / 1.4 MHz / 1909.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	-1.32	-0.0007
14.20	-1.13	-0.0006
10.20	-1.90	-0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	-1.02	-0.0005
-30	-1.32	-0.0007
-20	-2.38	-0.0012
-10	-1.87	-0.0010
0	-2.26	-0.0012
10	-0.84	-0.0004
20	-1.83	-0.0010
30	-1.44	-0.0008
40	-1.48	-0.0008
50	-1.30	-0.0007
60	-2.12	-0.0011
70	-1.49	-0.0008
80	-1.65	-0.0009
85	-1.92	-0.0010

LTE Band 2 / 3 MHz / 1851.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	3.01	0.0016
14.20	2.85	0.0015
10.20	1.62	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.29	0.0012
-30	2.40	0.0013
-20	1.90	0.0010
-10	2.61	0.0014
0	2.86	0.0015
10	3.22	0.0017
20	2.66	0.0014
30	2.95	0.0016
40	2.45	0.0013
50	2.93	0.0016
60	2.83	0.0015
70	2.67	0.0014
80	2.65	0.0014
85	1.63	0.0009

LTE Band 2 / 3 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.05	0.0006
14.20	0.97	0.0005
10.20	0.36	0.0002

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.62	0.0003
-30	0.81	0.0004
-20	0.16	0.0001
-10	-0.15	-0.0001
0	0.87	0.0011
10	1.13	0.0006
20	0.41	0.0002
30	0.65	0.0008
40	0.48	0.0003
50	1.15	0.0006
60	0.19	0.0001
70	0.24	0.0001
80	0.59	0.0003
85	-0.22	-0.0001

LTE Band 2 / 3 MHz / 1908.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	3.63	0.0019
14.20	3.54	0.0019
10.20	2.96	0.0016

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	3.40	0.0018
-30	3.73	0.0020
-20	3.16	0.0017
-10	2.86	0.0015
0	2.99	0.0016
10	2.61	0.0014
20	3.45	0.0018
30	2.13	0.0011
40	4.25	0.0022
50	2.92	0.0015
60	2.27	0.0012
70	3.76	0.0020
80	3.67	0.0019
85	3.29	0.0017

LTE Band 2 / 5 MHz / 1852.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.74	0.0009
14.20	2.33	0.0013
10.20	2.66	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.34	0.0013
-30	2.26	0.0012
-20	2.32	0.0013
-10	2.21	0.0012
0	1.11	0.0006
10	2.25	0.0012
20	0.61	0.0003
30	1.95	0.0011
40	1.72	0.0009
50	1.98	0.0011
60	2.24	0.0012
70	1.47	0.0008
80	1.56	0.0008
85	2.24	0.0012

LTE Band 2 / 5 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.48	0.0008
14.20	1.56	0.0008
10.20	0.76	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.20	0.0006
-30	0.23	0.0001
-20	0.41	0.0002
-10	0.76	0.0004
0	0.65	0.0003
10	0.41	0.0002
20	1.44	0.0008
30	0.59	0.0003
40	1.75	0.0009
50	1.47	0.0008
60	0.85	0.0005
70	0.46	0.0002
80	0.55	0.0003
85	1.33	0.0007

LTE Band 2 / 5 MHz / 1907.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.06	0.0011
14.20	2.55	0.0013
10.20	2.59	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.79	0.0009
-30	1.72	0.0009
-20	2.78	0.0015
-10	2.44	0.0013
0	2.79	0.0015
10	2.41	0.0013
20	2.08	0.0011
30	1.94	0.0010
40	1.88	0.0010
50	2.48	0.0013
60	2.08	0.0011
70	2.70	0.0014
80	1.74	0.0009
85	2.45	0.0013

LTE Band 2 / 10 MHz / 1855 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.40	0.0002
14.20	1.66	0.0009
10.20	1.64	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.72	0.0009
-30	0.99	0.0005
-20	1.14	0.0006
-10	1.96	0.0011
0	1.96	0.0011
10	1.50	0.0008
20	1.60	0.0009
30	0.88	0.0005
40	0.88	0.0005
50	1.06	0.0006
60	1.30	0.0007
70	0.59	0.0003
80	0.76	0.0004
85	0.29	0.0002

LTE Band 2 / 10 MHz / 1800 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.39	0.0013
14.20	2.48	0.0013
10.20	2.12	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.53	0.0013
-30	2.07	0.0011
-20	2.69	0.0014
-10	1.41	0.0008
0	2.97	0.0016
10	2.14	0.0011
20	1.36	0.0007
30	1.49	0.0008
40	2.61	0.0014
50	1.23	0.0007
60	2.36	0.0013
70	1.98	0.0011
80	2.09	0.0011
85	1.33	0.0007

LTE Band 2 / 10 MHz / 1905 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.54	0.0003
14.20	1.23	0.0006
10.20	0.94	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.96	0.0005
-30	1.71	0.0009
-20	1.10	0.0006
-10	1.12	0.0006
0	0.92	0.0005
10	0.77	0.0004
20	0.45	0.0002
30	0.76	0.0004
40	1.00	0.0005
50	-0.15	-0.0001
60	-0.14	-0.0001
70	0.94	0.0005
80	1.21	0.0006
85	1.26	0.0007

LTE Band 2 / 15 MHz / 1857.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.65	0.0009
14.20	2.08	0.0011
10.20	1.17	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.95	0.0005
-30	1.97	0.0011
-20	1.96	0.0011
-10	1.76	0.0009
0	2.15	0.0012
10	1.76	0.0009
20	2.58	0.0014
30	1.51	0.0008
40	1.29	0.0007
50	1.64	0.0009
60	2.60	0.0014
70	1.86	0.0010
80	1.94	0.0010
85	0.85	0.0005

LTE Band 2 / 15 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.76	0.0004
14.20	1.10	0.0006
10.20	1.32	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.49	0.0008
-30	0.90	0.0005
-20	0.72	0.0004
-10	0.37	0.0002
0	-0.50	-0.0003
10	0.91	0.0005
20	0.75	0.0004
30	-0.21	-0.0001
40	0.88	0.0005
50	0.76	0.0004
60	0.29	0.0002
70	0.77	0.0004
80	1.06	0.0006
85	0.24	0.0001

LTE Band 2 / 15 MHz / 1902.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.68	0.0009
14.20	2.53	0.0013
10.20	1.83	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.13	0.0006
-30	1.33	0.0007
-20	2.00	0.0011
-10	2.75	0.0014
0	2.36	0.0012
10	2.41	0.0013
20	2.02	0.0011
30	2.09	0.0011
40	2.44	0.0013
50	2.09	0.0011
60	2.81	0.0015
70	2.11	0.0011
80	2.39	0.0013
85	2.02	0.0011

LTE Band 2 / 20 MHz / 1860 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.05	0.0011
14.20	3.05	0.0016
10.20	2.69	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.99	0.0016
-30	2.90	0.0016
-20	2.15	0.0012
-10	2.51	0.0013
0	3.09	0.0017
10	2.63	0.0014
20	2.42	0.0013
30	2.83	0.0015
40	3.17	0.0017
50	1.82	0.0010
60	3.01	0.0016
70	3.22	0.0017
80	2.26	0.0012
85	3.02	0.0016

LTE Band 2 / 20 MHz / 1880 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.75	0.0009
14.20	1.56	0.0008
10.20	1.80	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.03	0.0005
-30	0.53	0.0003
-20	1.49	0.0008
-10	1.05	0.0006
0	0.42	0.0002
10	0.74	0.0004
20	0.75	0.0004
30	1.25	0.0007
40	0.88	0.0005
50	1.00	0.0005
60	0.96	0.0005
70	1.15	0.0006
80	0.91	0.0005
85	0.89	0.0005

LTE Band 2 / 20 MHz / 1900 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.74	0.0009
14.20	1.97	0.0010
10.20	0.95	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.94	0.0010
-30	1.77	0.0009
-20	1.37	0.0007
-10	0.94	0.0005
0	2.01	0.0011
10	1.21	0.0006
20	1.98	0.0010
30	1.47	0.0008
40	1.98	0.0010
50	1.44	0.0008
60	1.06	0.0006
70	1.24	0.0007
80	0.85	0.0004
85	1.26	0.0007

Mode 2: LTE Band 4/66

LTE Band 4/66 / 1.4 MHz / 1711.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.94	0.0011
14.20	2.03	0.0012
10.20	0.66	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.61	0.0009
-30	1.95	0.0011
-20	1.35	0.0008
-10	0.80	0.0005
0	1.18	0.0007
10	1.68	0.0010
20	2.05	0.0012
30	0.92	0.0005
40	1.92	0.0011
50	0.85	0.0005
60	1.28	0.0007
70	1.53	0.0009
80	1.43	0.0008
85	1.12	0.0007

LTE Band 4/66 / 1.4 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.31	0.0008
14.20	1.59	0.0009
10.20	2.13	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.17	0.0007
-30	0.82	0.0005
-20	0.88	0.0005
-10	1.06	0.0006
0	1.10	0.0006
10	1.44	0.0008
20	1.40	0.0008
30	1.07	0.0006
40	1.55	0.0009
50	-0.18	-0.0001
60	0.79	0.0005
70	0.34	0.0002
80	0.98	0.0006
85	1.22	0.0007

LTE Band 4/66 / 1.4 MHz / 1778.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.93	0.0005
14.20	1.60	0.0009
10.20	0.90	0.0005

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.30	0.0007
-30	1.10	0.0006
-20	0.66	0.0004
-10	1.47	0.0008
0	0.74	0.0004
10	0.59	0.0003
20	0.93	0.0005
30	2.03	0.0011
40	0.48	0.0003
50	1.49	0.0008
60	1.25	0.0007
70	0.68	0.0004
80	1.06	0.0006
85	0.17	0.0001

LTE Band 4/66 / 3 MHz / 1710.7 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.65	0.0010
14.20	2.03	0.0012
10.20	1.94	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.17	0.0007
-30	1.51	0.0009
-20	1.92	0.0011
-10	0.89	0.0005
0	1.49	0.0009
10	1.48	0.0009
20	0.92	0.0005
30	0.59	0.0003
40	0.81	0.0005
50	1.13	0.0007
60	0.78	0.0005
70	2.63	0.0015
80	2.53	0.0015
85	0.92	0.0005

LTE Band 4/66 / 3 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.57	0.0003
14.20	1.59	0.0009
10.20	1.58	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.07	0.0006
-30	1.47	0.0008
-20	0.76	0.0004
-10	1.10	0.0006
0	0.20	0.0001
10	0.80	0.0005
20	0.76	0.0004
30	0.85	0.0005
40	0.48	0.0003
50	1.38	0.0008
60	0.24	0.0001
70	1.36	0.0008
80	1.13	0.0006
85	0.58	0.0003

LTE Band 4/66 / 3 MHz / 1779.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.78	0.0004
14.20	1.60	0.0009
10.20	1.12	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.64	0.0004
-30	1.10	0.0006
-20	1.75	0.0010
-10	1.62	0.0009
0	0.53	0.0003
10	0.79	0.0004
20	1.16	0.0007
30	1.31	0.0007
40	0.31	0.0002
50	1.84	0.0010
60	0.36	0.0002
70	1.26	0.0007
80	0.91	0.0005
85	0.91	0.0005

LTE Band 4/66 / 5 MHz / 1712.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.64	0.0004
14.20	2.03	0.0012
10.20	1.06	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.94	0.0011
-30	1.21	0.0007
-20	1.37	0.0008
-10	0.84	0.0005
0	0.50	0.0003
10	1.23	0.0007
20	1.88	0.0011
30	0.65	0.0004
40	1.43	0.0008
50	1.04	0.0006
60	1.97	0.0012
70	2.45	0.0014
80	2.60	0.0015
85	2.02	0.0012

LTE Band 4/66 / 5 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.20	0.0007
14.20	1.59	0.0009
10.20	1.14	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.15	0.0007
-30	1.79	0.0010
-20	0.74	0.0004
-10	1.23	0.0007
0	1.10	0.0006
10	1.80	0.0010
20	1.59	0.0009
30	0.57	0.0003
40	0.79	0.0005
50	1.61	0.0009
60	1.53	0.0009
70	0.90	0.0005
80	0.91	0.0005
85	0.58	0.0003

LTE Band 4/66 / 5 MHz / 1777.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.77	0.0004
14.20	1.60	0.0009
10.20	1.29	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.56	0.0009
-30	0.54	0.0003
-20	0.68	0.0004
-10	1.02	0.0006
0	1.98	0.0011
10	1.37	0.0008
20	1.31	0.0007
30	0.76	0.0004
40	1.43	0.0008
50	2.15	0.0012
60	0.51	0.0003
70	1.18	0.0007
80	1.89	0.0011
85	1.04	0.0006

LTE Band 4/66 / 10 MHz / 1715 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.69	0.0010
14.20	2.03	0.0012
10.20	1.23	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.86	0.0005
-30	1.93	0.0011
-20	0.78	0.0005
-10	1.08	0.0006
0	1.67	0.0010
10	2.03	0.0012
20	1.53	0.0009
30	2.59	0.0015
40	1.60	0.0009
50	1.69	0.0010
60	1.49	0.0009
70	0.87	0.0005
80	1.67	0.0010
85	2.02	0.0012

LTE Band 4/66 / 10 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.34	0.0008
14.20	1.59	0.0009
10.20	1.15	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.45	0.0003
-30	1.46	0.0008
-20	0.72	0.0004
-10	1.06	0.0006
0	1.43	0.0008
10	-0.17	-0.0001
20	2.01	0.0012
30	0.53	0.0003
40	0.97	0.0006
50	0.30	0.0002
60	1.14	0.0007
70	1.38	0.0008
80	1.20	0.0007
85	1.10	0.0006

LTE Band 4/66 / 10 MHz / 1775 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.72	0.0004
14.20	1.60	0.0009
10.20	0.70	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.79	0.0004
-30	0.35	0.0002
-20	1.90	0.0011
-10	0.73	0.0004
0	2.31	0.0013
10	0.35	0.0002
20	0.92	0.0005
30	0.45	0.0003
40	0.64	0.0004
50	1.13	0.0006
60	1.10	0.0006
70	1.21	0.0007
80	1.75	0.0010
85	1.52	0.0009

LTE Band 4/66 / 15 MHz / 1717.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.09	0.0012
14.20	2.77	0.0016
10.20	1.91	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.60	0.0015
-30	1.58	0.0009
-20	1.85	0.0011
-10	2.78	0.0016
0	2.08	0.0012
10	2.59	0.0015
20	2.89	0.0017
30	2.06	0.0012
40	2.29	0.0013
50	3.19	0.0019
60	2.99	0.0017
70	2.69	0.0016
80	1.97	0.0011
85	2.74	0.0016

LTE Band 4/66 / 15 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.90	0.0005
14.20	1.89	0.0011
10.20	1.68	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.57	0.0003
-30	0.86	0.0005
-20	2.24	0.0013
-10	1.25	0.0007
0	1.50	0.0009
10	1.51	0.0009
20	0.79	0.0005
30	1.15	0.0007
40	1.09	0.0006
50	1.12	0.0006
60	2.23	0.0013
70	1.41	0.0008
80	1.05	0.0006
85	1.60	0.0009

LTE Band 4/66 / 15 MHz / 1772.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.12	0.0012
14.20	2.33	0.0013
10.20	1.81	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.28	0.0013
-30	1.52	0.0009
-20	1.31	0.0007
-10	2.32	0.0013
0	1.65	0.0009
10	1.76	0.0010
20	1.55	0.0009
30	2.58	0.0015
40	1.72	0.0010
50	2.19	0.0012
60	1.20	0.0007
70	1.64	0.0009
80	1.64	0.0009
85	2.08	0.0012

LTE Band 4/66 / 20 MHz / 1720 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.69	0.0010
14.20	2.15	0.0013
10.20	1.37	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.24	0.0013
-30	0.81	0.0005
-20	2.09	0.0012
-10	2.09	0.0012
0	1.40	0.0008
10	2.17	0.0013
20	2.04	0.0012
30	2.16	0.0013
40	1.57	0.0009
50	1.56	0.0009
60	1.13	0.0007
70	1.70	0.0010
80	1.33	0.0008
85	1.39	0.0008

LTE Band 4/66 / 20 MHz / 1745 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	3.13	0.0018
14.20	2.54	0.0015
10.20	1.81	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.36	0.0014
-30	2.30	0.0013
-20	1.79	0.0010
-10	2.90	0.0017
0	2.69	0.0015
10	1.73	0.0010
20	1.40	0.0008
30	2.20	0.0013
40	2.08	0.0012
50	1.25	0.0007
60	2.26	0.0013
70	1.88	0.0011
80	2.29	0.0013
85	2.36	0.0014

LTE Band 4/66 / 20 MHz / 1770 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.45	0.0003
14.20	2.10	0.0012
10.20	1.77	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	0.62	0.0004
-30	1.09	0.0006
-20	1.37	0.0008
-10	1.81	0.0010
0	1.42	0.0008
10	1.95	0.0011
20	1.19	0.0007
30	2.06	0.0012
40	1.35	0.0008
50	0.79	0.0004
60	1.91	0.0011
70	1.48	0.0008
80	2.23	0.0013
85	1.89	0.0011

Mode 3: LTE Band 5 (Part 22)

LTE Band 5 / 1.4 MHz / 824.7 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.70	0.0021
14.20	2.99	0.0036
10.20	2.38	0.0029

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.56	0.0031
-30	1.94	0.0024
-20	3.12	0.0038
-10	2.43	0.0029
0	2.06	0.0025
10	2.19	0.0027
20	3.16	0.0038
30	1.83	0.0022
40	2.72	0.0033
50	3.60	0.0044
60	1.57	0.0019
70	2.76	0.0033
80	2.10	0.0025
85	2.87	0.0035

LTE Band 5 / 1.4 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.57	0.0031
14.20	3.52	0.0042
10.20	3.55	0.0042

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	3.80	0.0045
-30	2.99	0.0036
-20	2.10	0.0025
-10	2.34	0.0028
0	3.63	0.0043
10	3.64	0.0044
20	2.22	0.0027
30	2.29	0.0027
40	2.90	0.0035
50	3.14	0.0038
60	2.39	0.0029
70	3.44	0.0041
80	3.81	0.0046
85	3.80	0.0045

LTE Band 5 / 1.4 MHz / 848.3 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.20	0.0014
14.20	1.78	0.0021
10.20	1.10	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.58	0.0019
-30	1.32	0.0016
-20	0.65	0.0008
-10	1.69	0.0020
0	0.69	0.0008
10	1.48	0.0017
20	1.18	0.0014
30	1.43	0.0017
40	1.43	0.0017
50	1.32	0.0016
60	0.88	0.0010
70	0.54	0.0006
80	1.39	0.0016
85	1.38	0.0016

LTE Band 5 / 3 MHz / 825.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.43	0.0017
14.20	2.41	0.0029
10.20	1.57	0.0019

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.88	0.0035
-30	2.03	0.0025
-20	2.03	0.0025
-10	1.36	0.0016
0	2.03	0.0025
10	1.02	0.0012
20	2.15	0.0026
30	1.73	0.0021
40	2.17	0.0026
50	1.69	0.0020
60	1.40	0.0017
70	1.74	0.0021
80	1.51	0.0018
85	0.87	0.0011

LTE Band 5 / 3 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.98	0.0024
14.20	2.36	0.0028
10.20	2.01	0.0024

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.53	0.0018
-30	2.58	0.0031
-20	2.01	0.0024
-10	1.60	0.0019
0	1.38	0.0016
10	1.79	0.0021
20	1.98	0.0024
30	2.03	0.0024
40	2.45	0.0029
50	1.83	0.0022
60	1.21	0.0014
70	2.09	0.0025
80	2.04	0.0024
85	2.21	0.0026

LTE Band 5 / 3 MHz / 847.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.84	0.0034
14.20	3.66	0.0043
10.20	2.78	0.0033

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	3.24	0.0038
-30	3.00	0.0035
-20	3.73	0.0044
-10	3.68	0.0043
0	3.63	0.0043
10	3.80	0.0045
20	3.49	0.0041
30	3.83	0.0045
40	3.18	0.0038
50	3.47	0.0041
60	3.64	0.0043
70	2.35	0.0028
80	2.88	0.0034
85	3.46	0.0041

LTE Band 5 / 5 MHz / 826.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.81	0.0022
14.20	2.18	0.0026
10.20	1.22	0.0015

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.50	0.0018
-30	1.63	0.0020
-20	2.41	0.0029
-10	0.78	0.0009
0	1.93	0.0023
10	2.31	0.0028
20	2.40	0.0029
30	1.97	0.0024
40	1.08	0.0013
50	1.85	0.0022
60	1.95	0.0024
70	2.25	0.0027
80	1.41	0.0017
85	1.90	0.0023

LTE Band 5 / 5 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.93	0.0035
14.20	3.14	0.0038
10.20	3.04	0.0036

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.27	0.0027
-30	3.47	0.0041
-20	3.05	0.0036
-10	2.32	0.0028
0	3.27	0.0039
10	2.89	0.0035
20	2.11	0.0025
30	2.56	0.0031
40	2.57	0.0031
50	2.44	0.0029
60	3.34	0.0040
70	1.72	0.0021
80	3.35	0.0040
85	3.44	0.0041

LTE Band 5 / 5 MHz / 846.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.39	0.0005
14.20	0.89	0.0011
10.20	0.57	0.0007

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	-0.42	-0.0005
-30	1.14	0.0013
-20	0.61	0.0007
-10	0.38	0.0004
0	0.74	0.0009
10	0.05	0.0001
20	1.10	0.0013
30	0.73	0.0009
40	1.12	0.0013
50	0.79	0.0009
60	0.63	0.0007
70	-0.49	-0.0006
80	0.54	0.0006
85	0.37	0.0004

LTE Band 5 / 10 MHz / 829 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.69	0.0020
14.20	3.02	0.0036
10.20	2.60	0.0031

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.75	0.0033
-30	2.27	0.0027
-20	2.38	0.0029
-10	2.80	0.0034
0	2.73	0.0033
10	2.98	0.0036
20	2.51	0.0030
30	2.45	0.0030
40	2.34	0.0028
50	2.59	0.0031
60	2.22	0.0027
70	2.77	0.0033
80	1.85	0.0022
85	1.90	0.0023

LTE Band 5 / 10 MHz / 836.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.17	0.0014
14.20	1.59	0.0019
10.20	1.03	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.67	0.0020
-30	1.15	0.0014
-20	-0.17	-0.0002
-10	0.66	0.0008
0	1.18	0.0014
10	1.25	0.0015
20	0.82	0.0010
30	1.22	0.0015
40	0.35	0.0004
50	0.22	0.0003
60	0.78	0.0009
70	0.43	0.0005
80	1.27	0.0015
85	2.22	0.0027

LTE Band 5 / 10 MHz / 844 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.56	0.0018
14.20	2.57	0.0030
10.20	2.16	0.0026

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.96	0.0023
-30	1.46	0.0017
-20	2.89	0.0034
-10	2.74	0.0032
0	2.78	0.0033
10	2.88	0.0034
20	2.27	0.0027
30	1.90	0.0023
40	1.63	0.0019
50	0.92	0.0011
60	2.43	0.0029
70	2.21	0.0026
80	2.98	0.0035
85	1.82	0.0022

Mode 4: LTE Band 7

LTE Band 7 / 5 MHz / 2502.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	3.59	0.0014
14.20	4.23	0.0017
10.20	2.74	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	3.05	0.0012
-30	3.78	0.0015
-20	3.76	0.0015
-10	4.55	0.0018
0	3.79	0.0015
10	4.25	0.0017
20	3.94	0.0016
30	4.41	0.0018
40	4.69	0.0019
50	3.48	0.0014
60	4.15	0.0017
70	3.50	0.0014
80	3.02	0.0012
85	3.79	0.0015

Mode 4: LTE Band 7

LTE Band 7 / 5 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.43	0.0010
14.20	2.78	0.0011
10.20	2.62	0.0010

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	2.89	0.0011
-30	1.93	0.0008
-20	2.02	0.0008
-10	2.67	0.0011
0	2.58	0.0010
10	2.66	0.0010
20	2.05	0.0008
30	2.64	0.0010
40	1.66	0.0007
50	1.93	0.0008
60	1.41	0.0006
70	2.20	0.0009
80	2.09	0.0008
85	1.93	0.0008

LTE Band 7 / 5 MHz / 2567.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	4.19	0.0016
14.20	4.21	0.0016
10.20	3.61	0.0014

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	3.31	0.0013
-30	4.24	0.0017
-20	3.87	0.0015
-10	3.75	0.0015
0	2.89	0.0011
10	2.80	0.0011
20	3.91	0.0015
30	3.61	0.0014
40	3.57	0.0014
50	3.50	0.0014
60	3.61	0.0014
70	4.14	0.0016
80	3.83	0.0015
85	3.86	0.0015

LTE Band 7 / 10 MHz / 2505 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.17	0.0009
14.20	3.02	0.0012
10.20	2.30	0.0009

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	3.32	0.0013
-30	2.13	0.0009
-20	2.23	0.0009
-10	1.62	0.0006
0	3.60	0.0014
10	2.34	0.0009
20	2.16	0.0009
30	2.95	0.0012
40	1.72	0.0007
50	2.83	0.0011
60	2.22	0.0009
70	1.99	0.0008
80	2.20	0.0009
85	3.24	0.0013

LTE Band 7 / 10 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.54	0.0002
14.20	1.59	0.0006
10.20	1.58	0.0006

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.57	0.0006
-30	1.88	0.0007
-20	1.74	0.0007
-10	1.00	0.0004
0	0.28	0.0001
10	0.90	0.0004
20	0.98	0.0004
30	0.77	0.0003
40	0.86	0.0003
50	0.26	0.0001
60	1.57	0.0006
70	0.27	0.0001
80	1.20	0.0005
85	0.75	0.0003

LTE Band 7 / 10 MHz / 2565 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.90	0.0007
14.20	2.57	0.0010
10.20	3.00	0.0012

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.62	0.0006
-30	1.80	0.0007
-20	1.91	0.0007
-10	1.37	0.0005
0	1.90	0.0007
10	2.10	0.0008
20	2.76	0.0011
30	1.72	0.0007
40	2.37	0.0009
50	2.42	0.0009
60	2.35	0.0009
70	1.52	0.0006
80	2.52	0.0010
85	2.05	0.0008

LTE Band 7 / 15 MHz / 2507.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	2.12	0.0012
14.20	2.77	0.0016
10.20	2.93	0.0017

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.21	0.0007
-30	2.22	0.0013
-20	1.67	0.0010
-10	2.74	0.0016
0	2.47	0.0014
10	1.60	0.0009
20	2.36	0.0014
30	2.97	0.0017
40	2.38	0.0014
50	2.01	0.0012
60	1.56	0.0009
70	1.98	0.0012
80	2.27	0.0013
85	2.09	0.0012

LTE Band 7 / 15 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.75	0.0004
14.20	1.89	0.0011
10.20	0.62	0.0004

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.57	0.0009
-30	0.81	0.0005
-20	1.67	0.0010
-10	1.08	0.0006
0	1.39	0.0008
10	1.54	0.0009
20	1.18	0.0007
30	0.44	0.0003
40	1.00	0.0006
50	0.30	0.0002
60	0.55	0.0003
70	2.50	0.0014
80	2.33	0.0013
85	1.36	0.0008

LTE Band 7 / 15 MHz / 2562.5 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.57	0.0009
14.20	2.33	0.0013
10.20	1.96	0.0011

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.91	0.0011
-30	1.36	0.0008
-20	1.99	0.0011
-10	1.66	0.0009
0	2.09	0.0012
10	2.05	0.0012
20	1.39	0.0008
30	2.79	0.0016
40	1.88	0.0011
50	1.96	0.0011
60	1.58	0.0009
70	1.06	0.0006
80	1.50	0.0008
85	1.04	0.0006

LTE Band 7 / 20 MHz / 2510 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	1.24	0.0005
14.20	1.09	0.0004
10.20	0.17	0.0001

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.32	0.0005
-30	0.95	0.0004
-20	1.13	0.0005
-10	1.43	0.0006
0	1.24	0.0005
10	0.58	0.0003
20	0.36	0.0001
30	1.21	0.0005
40	0.40	0.0002
50	0.45	0.0002
60	0.33	0.0001
70	0.07	0.0000
80	0.74	0.0003
85	0.19	0.0001

LTE Band 7 / 20 MHz / 2535 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	0.60	0.0002
14.20	2.01	0.0008
10.20	1.92	0.0008

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	1.72	0.0007
-30	1.76	0.0007
-20	1.01	0.0004
-10	1.38	0.0005
0	1.05	0.0004
10	1.34	0.0005
20	2.22	0.0009
30	1.04	0.0004
40	1.19	0.0005
50	1.20	0.0005
60	1.61	0.0006
70	0.94	0.0004
80	2.24	0.0009
85	0.75	0.0003

LTE Band 7 / 20 MHz / 2560 MHz

Voltage (VDC)	Frequency Stability (Hz)	Frequency Stability (ppm)
27.60	3.42	0.0013
14.20	3.20	0.0013
10.20	3.28	0.0013

Temperature (°C)	Frequency Stability (Hz)	Frequency Stability (ppm)
-40	3.05	0.0012
-30	2.94	0.0011
-20	2.96	0.0012
-10	1.99	0.0008
0	2.64	0.0010
10	1.62	0.0006
20	2.68	0.0010
30	2.25	0.0009
40	2.05	0.0008
50	2.88	0.0011
60	2.37	0.0009
70	2.24	0.0009
80	2.80	0.0011
85	2.54	0.0010