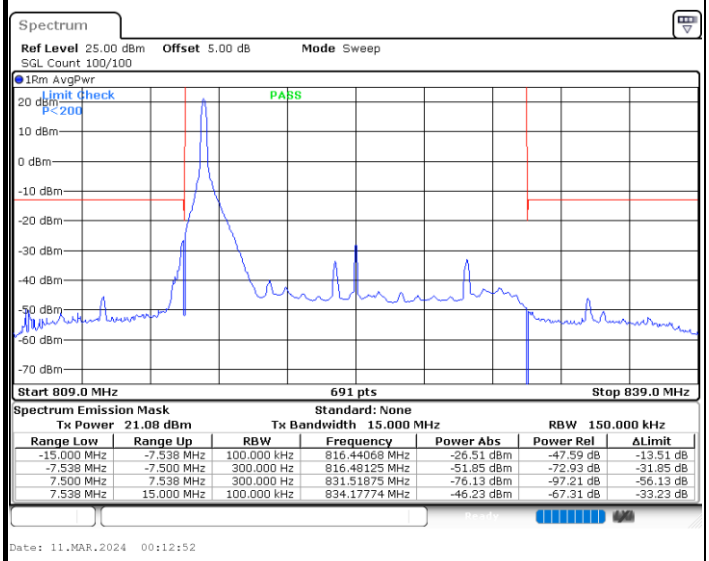
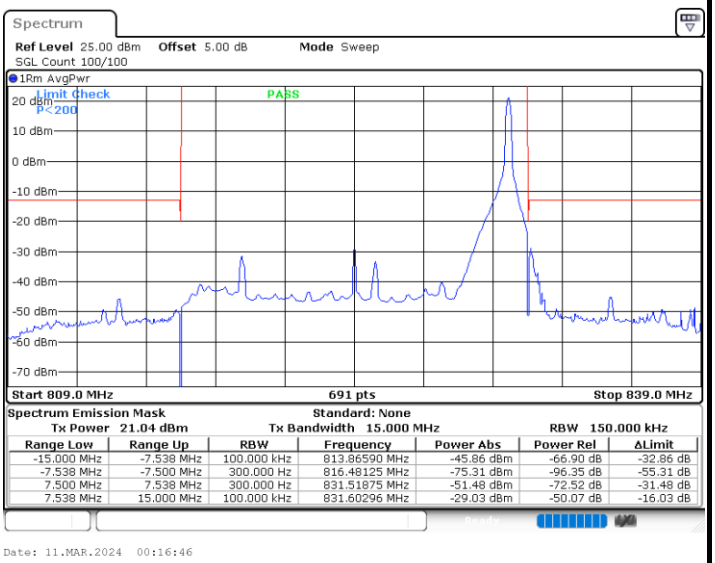
LTE Band 26 / 15MHz / 16QAM

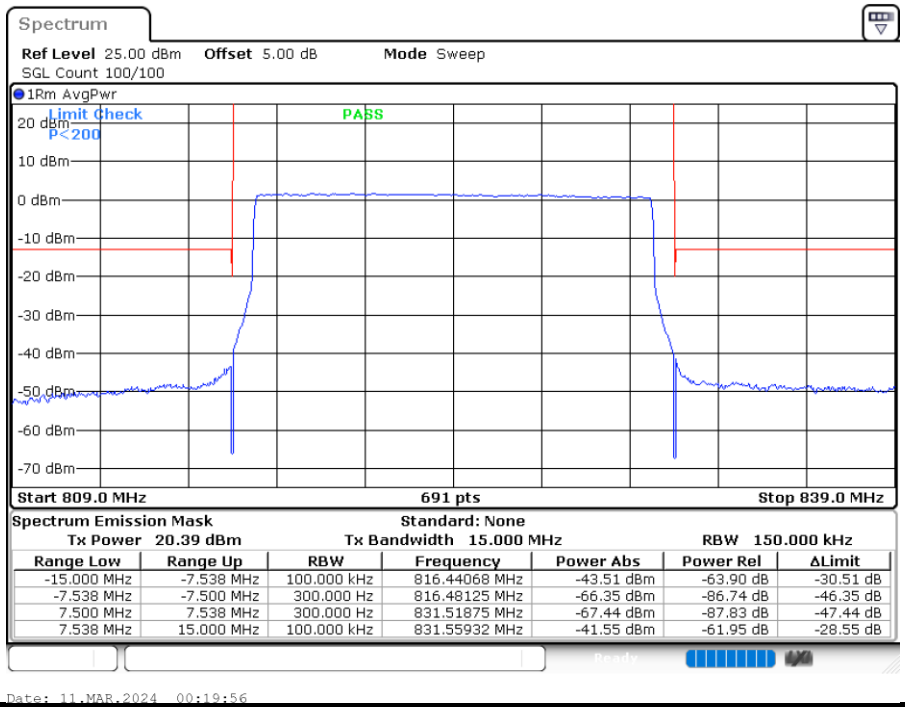
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max

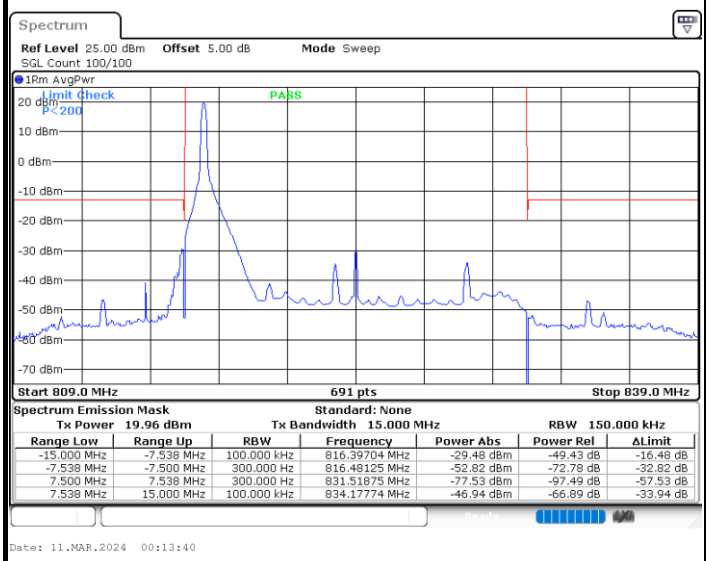


Band Edge / Full RB

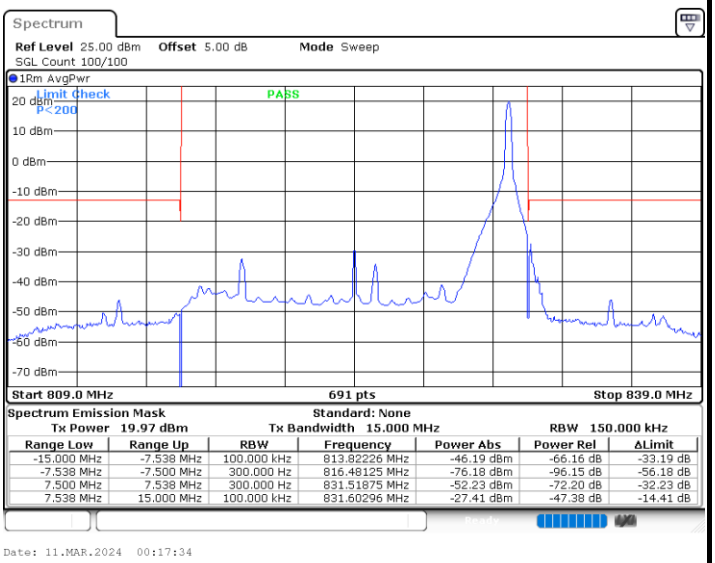


LTE Band 26 / 15MHz / 64QAM

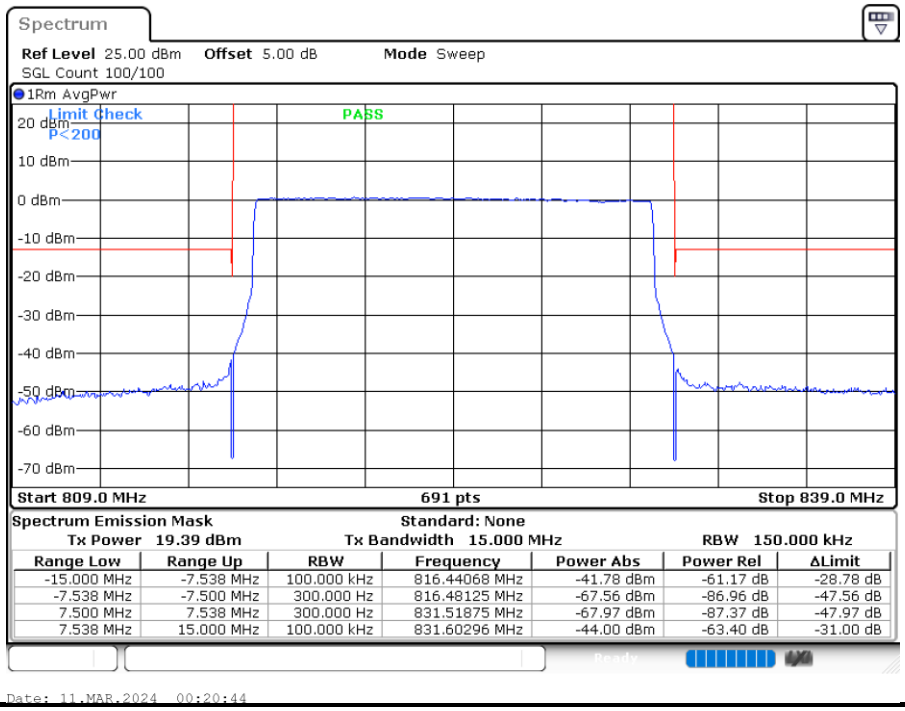
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max

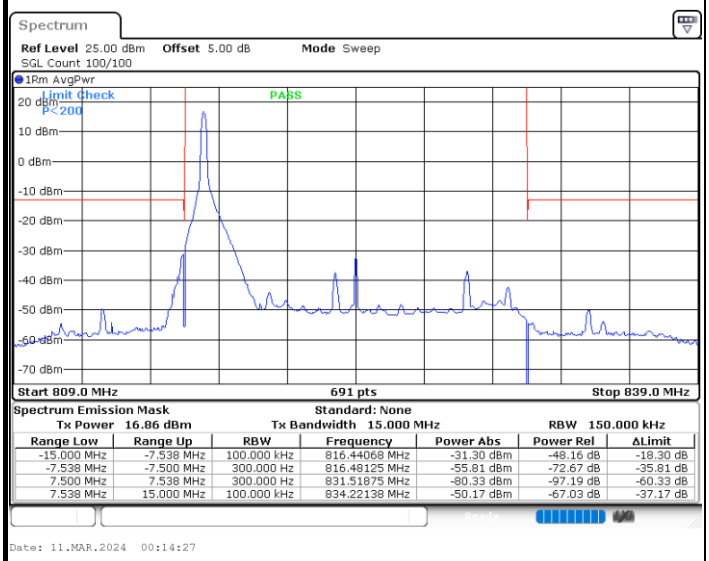


Band Edge / Full RB

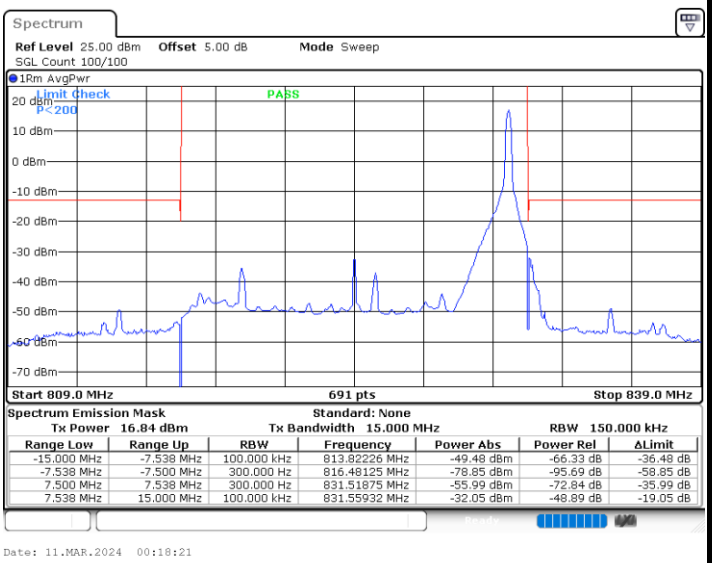


LTE Band 26 / 15MHz / 256QAM

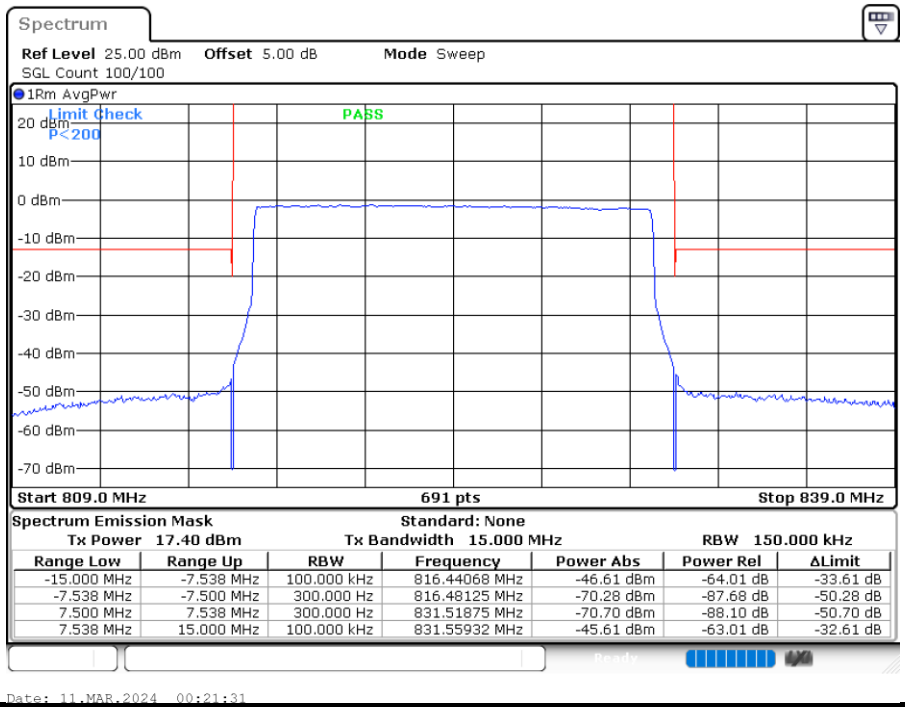
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max



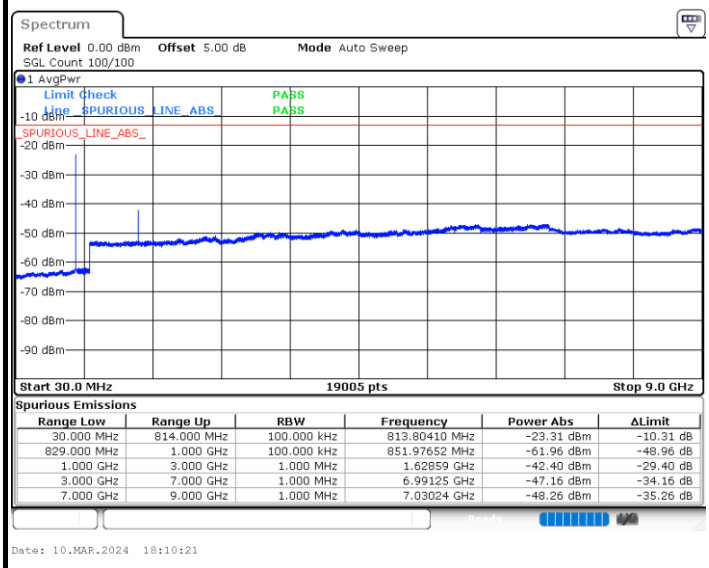
Band Edge / Full RB



Conducted Spurious Emission

LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

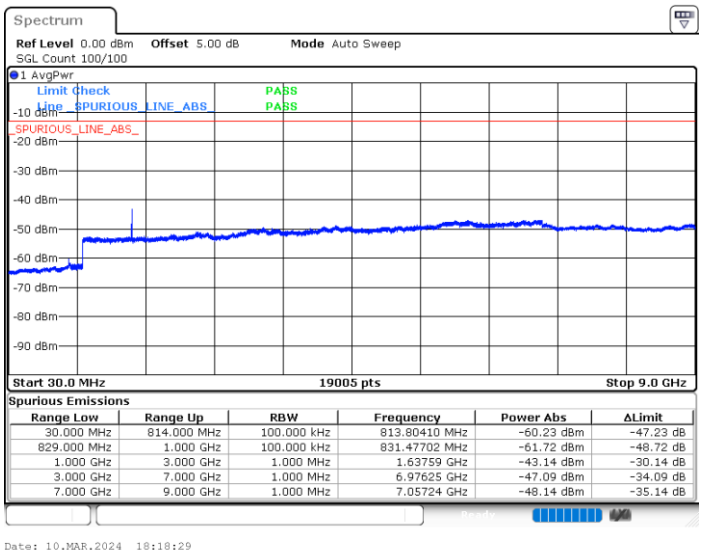


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-23.31 dBm	-10.31 dB
829.000 MHz	1.000 GHz	100.000 kHz	851.97652 MHz	-61.96 dBm	-48.96 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-42.40 dBm	-29.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-47.16 dBm	-34.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03024 GHz	-48.26 dBm	-35.26 dB

Date: 10.MAR.2024 18:10:21

Middle Channel / QPSK

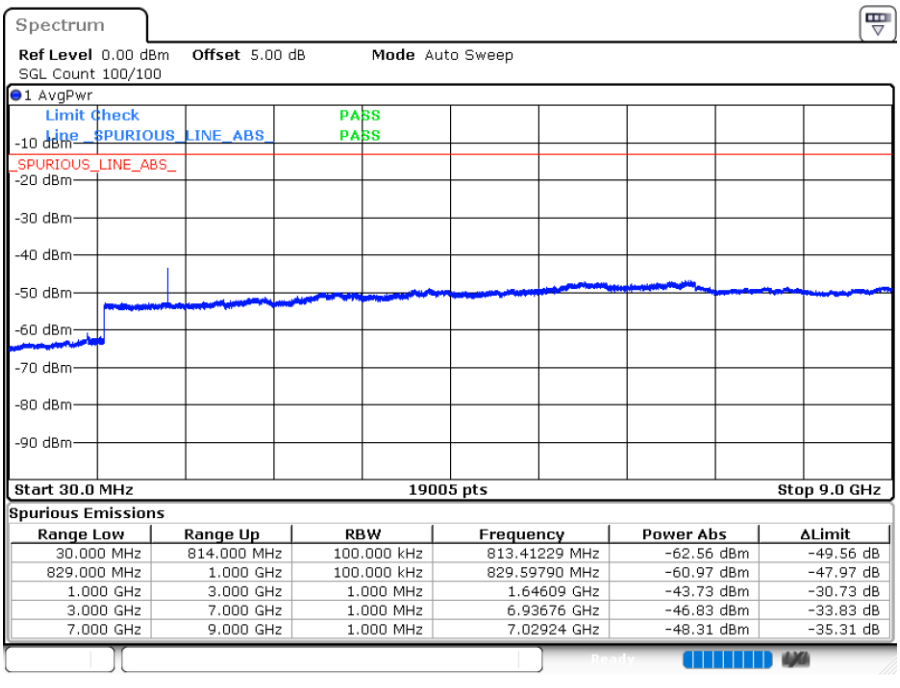


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-60.23 dBm	-47.23 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.47702 MHz	-61.72 dBm	-48.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63759 GHz	-43.14 dBm	-30.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97625 GHz	-47.09 dBm	-34.09 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05724 GHz	-48.14 dBm	-35.14 dB

Date: 10.MAR.2024 18:18:29

Highest Channel / QPSK



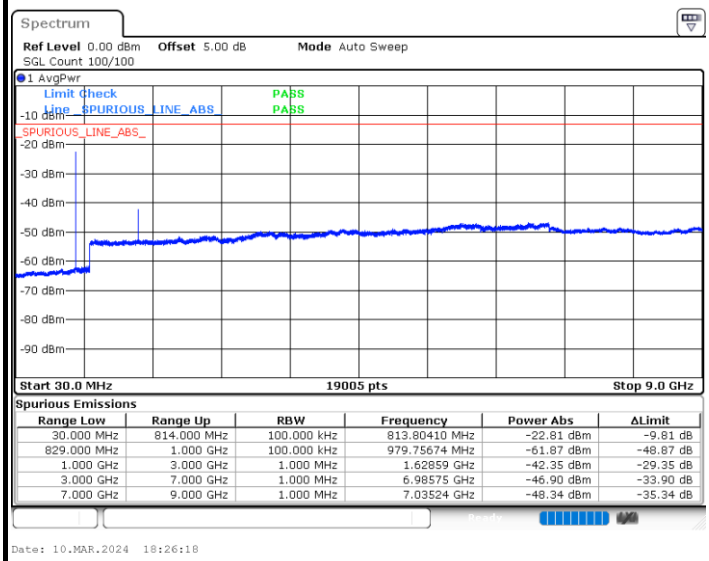
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.41229 MHz	-62.56 dBm	-49.56 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.59790 MHz	-60.97 dBm	-47.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64609 GHz	-43.73 dBm	-30.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93676 GHz	-46.83 dBm	-33.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02924 GHz	-48.31 dBm	-35.31 dB

Date: 10.MAR.2024 18:19:23

LTE Band 26 / 3MHz

Lowest Channel / QPSK

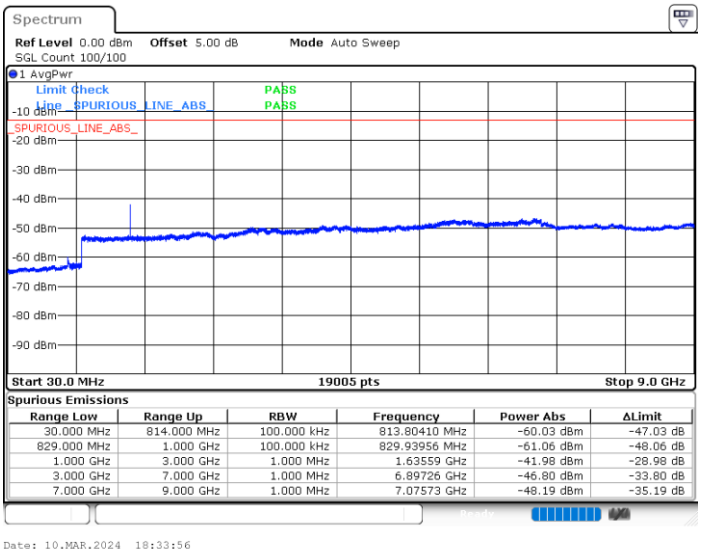


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-22.81 dBm	-9.81 dB
829.000 MHz	1.000 GHz	100.000 kHz	979.75674 MHz	-61.87 dBm	-48.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-42.35 dBm	-29.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-46.90 dBm	-33.90 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03524 GHz	-48.34 dBm	-35.34 dB

Date: 10.MAR.2024 18:26:18

Middle Channel / QPSK

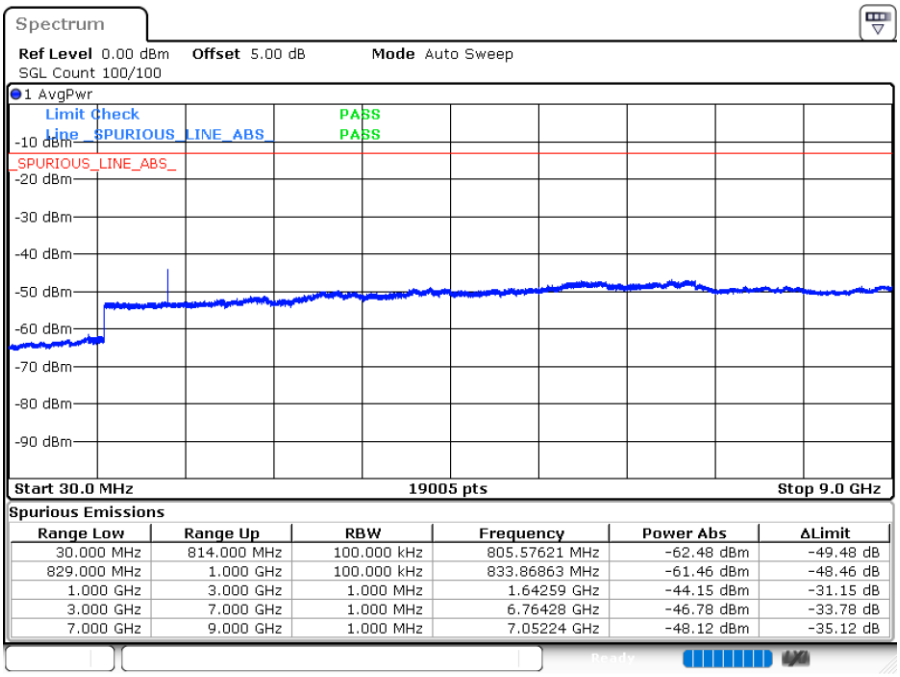


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-60.03 dBm	-47.03 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.93956 MHz	-61.06 dBm	-48.06 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63559 GHz	-41.98 dBm	-28.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89726 GHz	-46.80 dBm	-33.80 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07573 GHz	-48.19 dBm	-35.19 dB

Date: 10.MAR.2024 18:33:56

Highest Channel / QPSK



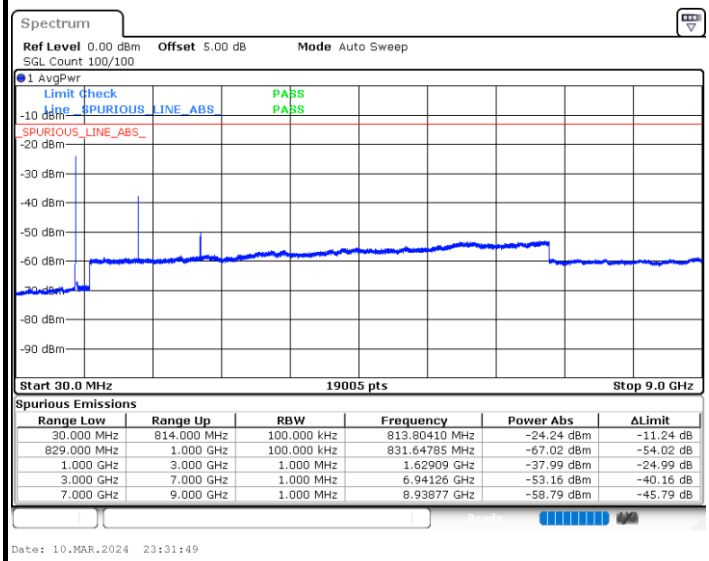
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	805.57621 MHz	-62.48 dBm	-49.48 dB
829.000 MHz	1.000 GHz	100.000 kHz	833.86863 MHz	-61.46 dBm	-48.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64259 GHz	-44.15 dBm	-31.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.76428 GHz	-46.78 dBm	-33.78 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05224 GHz	-48.12 dBm	-35.12 dB

Date: 10.MAR.2024 18:34:50

LTE Band 26 / 5MHz

Lowest Channel / QPSK

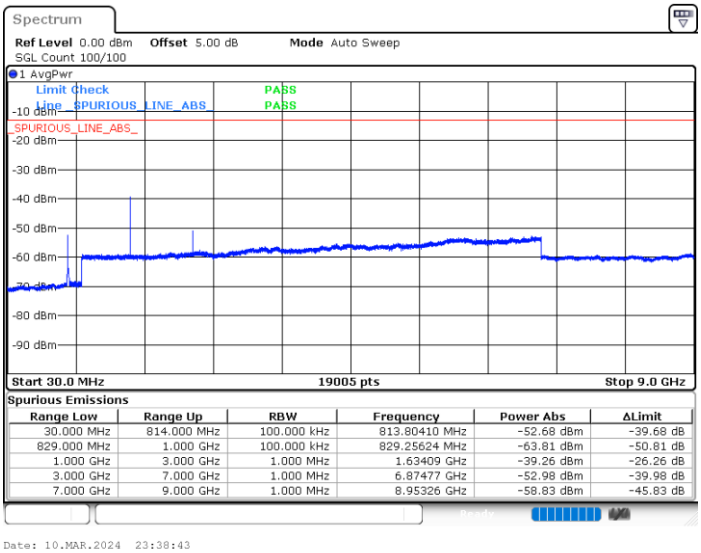


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-24.24 dBm	-11.24 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.64785 MHz	-67.02 dBm	-54.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-37.99 dBm	-24.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94126 GHz	-53.16 dBm	-40.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93877 GHz	-58.79 dBm	-45.79 dB

Date: 10.MAR.2024 23:31:49

Middle Channel / QPSK

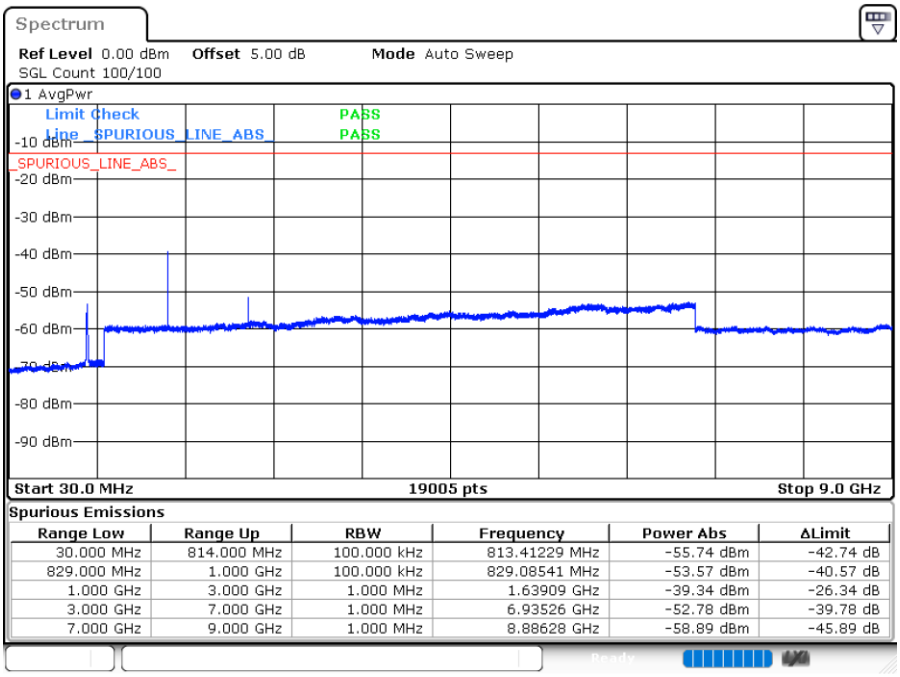


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-52.68 dBm	-39.68 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.25624 MHz	-63.81 dBm	-50.81 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-39.26 dBm	-26.26 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87477 GHz	-52.98 dBm	-39.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.95326 GHz	-58.83 dBm	-45.83 dB

Date: 10.MAR.2024 23:38:43

Highest Channel / QPSK



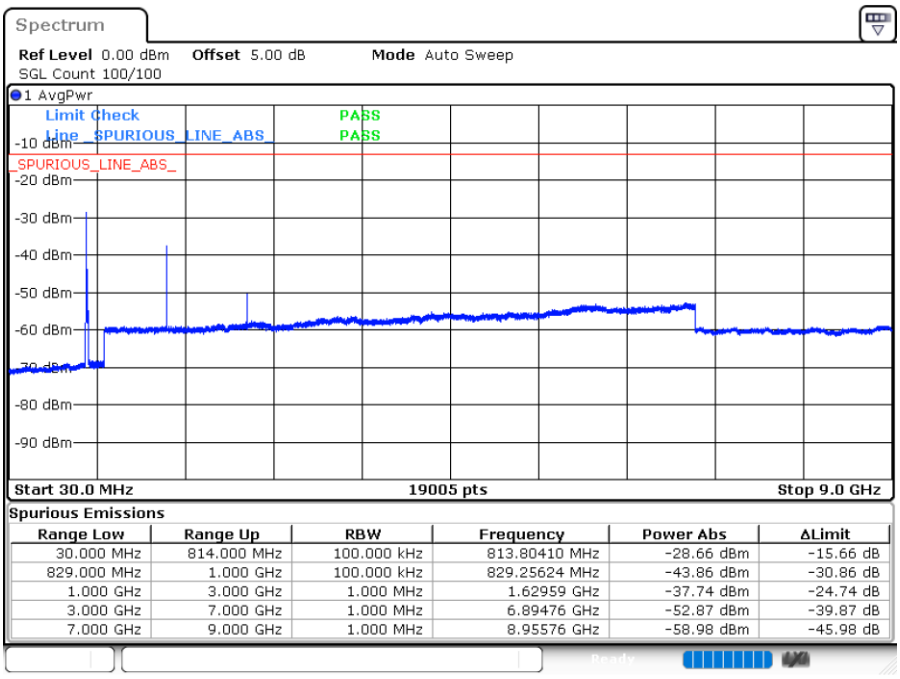
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.41229 MHz	-55.74 dBm	-42.74 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.08541 MHz	-53.57 dBm	-40.57 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63909 GHz	-39.34 dBm	-26.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93526 GHz	-52.78 dBm	-39.78 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88628 GHz	-58.89 dBm	-45.89 dB

Date: 10.MAR.2024 23:39:36

LTE Band 26 / 10MHz

Middle Channel / QPSK



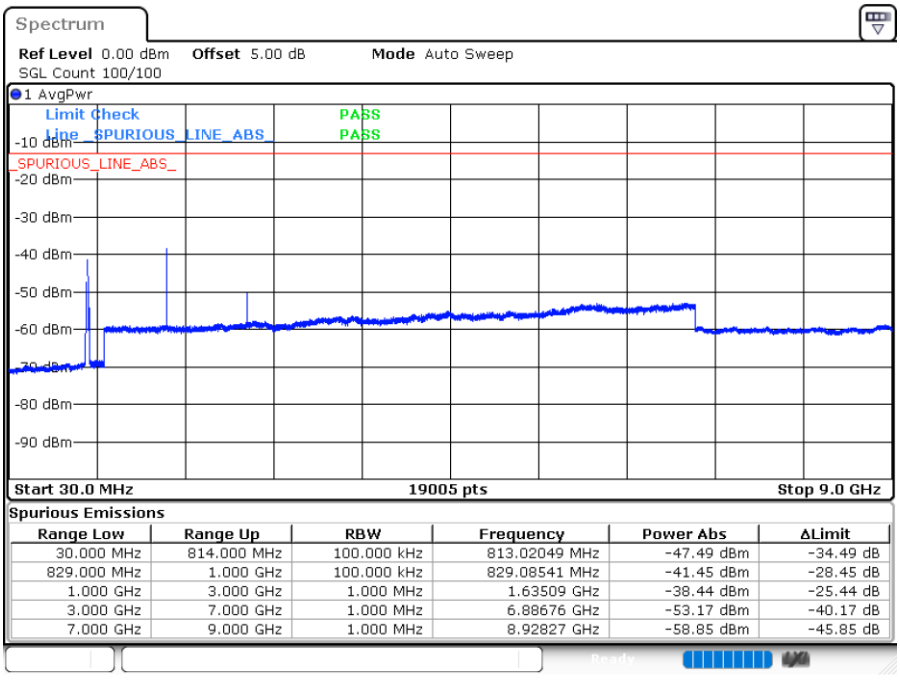
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-28.66 dBm	-15.66 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.25624 MHz	-43.86 dBm	-30.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62959 GHz	-37.74 dBm	-24.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89476 GHz	-52.87 dBm	-39.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.95576 GHz	-58.98 dBm	-45.98 dB

Date: 10.MAR.2024 23:59:11

LTE Band 26 / 15MHz

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.02049 MHz	-47.49 dBm	-34.49 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.08541 MHz	-41.45 dBm	-28.45 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63509 GHz	-38.44 dBm	-25.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88676 GHz	-53.17 dBm	-40.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.92827 GHz	-58.85 dBm	-45.85 dB

Date: 11.MAR.2024 00:11:12

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0018	

Note:

1. Normal Voltage =3.88 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Simle Wang	Temperature :	22~23℃
		Relative Humidity :	40~42%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 26 / 10MHz / QPSK / Ant. 0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1632	-66.93	-13	-53.93	-73.90	1.58	10.70	H
	2440	-58.20	-13	-45.20	-66.45	2.102	12.50	H
	3256	-61.37	-13	-48.37	-70.26	2.856	13.90	H
	1632	-65.46	-13	-52.46	-72.43	1.58	10.70	V
	2440	-58.08	-13	-45.08	-66.33	2.10	12.50	V
	3256	-61.31	-13	-48.31	-70.20	2.86	13.90	V

LTE Band 26 / 15MHz / QPSK / Ant. 0								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
High	1632	-66.94	-13	-53.94	-73.91	1.58	10.70	H
	2448	-56.64	-13	-43.64	-64.89	2.102	12.50	H
	3272	-60.91	-13	-47.91	-69.80	2.856	13.90	H
	1632	-65.85	-13	-52.85	-72.82	1.58	10.70	V
	2448	-57.94	-13	-44.94	-66.19	2.10	12.50	V
	3272	-60.90	-13	-47.90	-69.79	2.86	13.90	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.