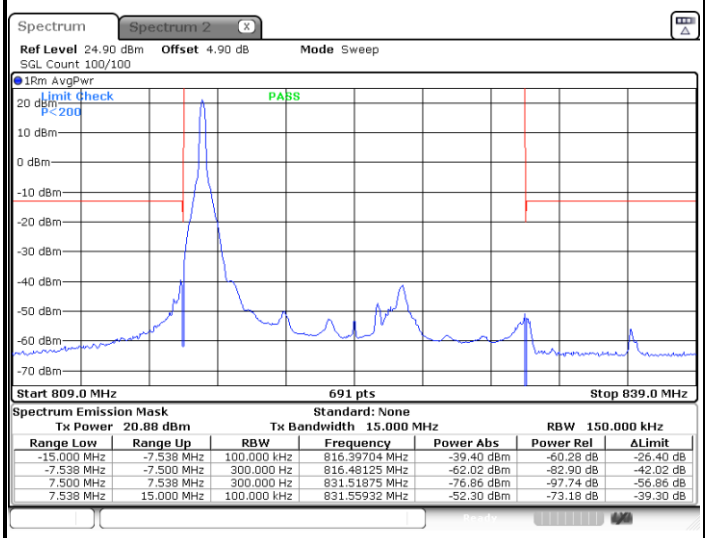
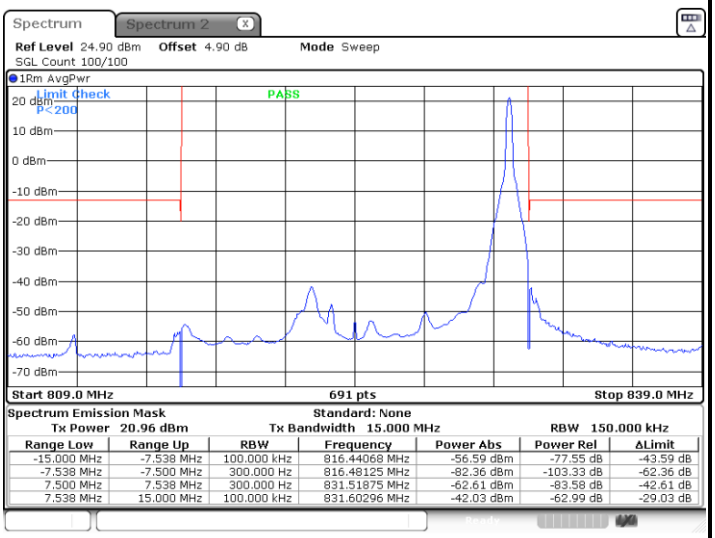
LTE Band 26 / 15MHz / QPSK

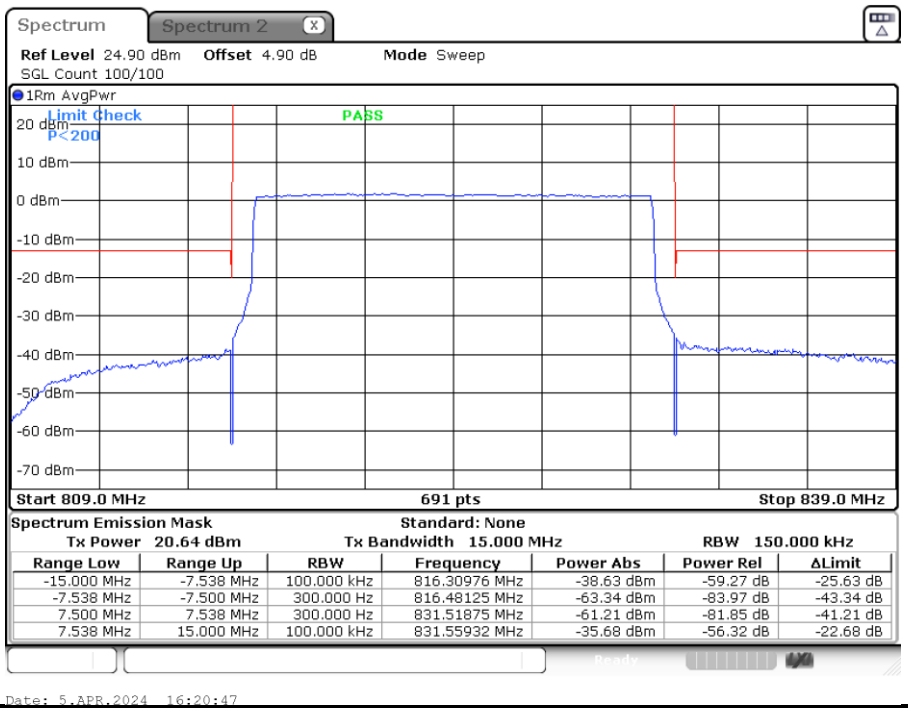
Middle Band Edge / 1 RB



Middle Band Edge / 1 RB max

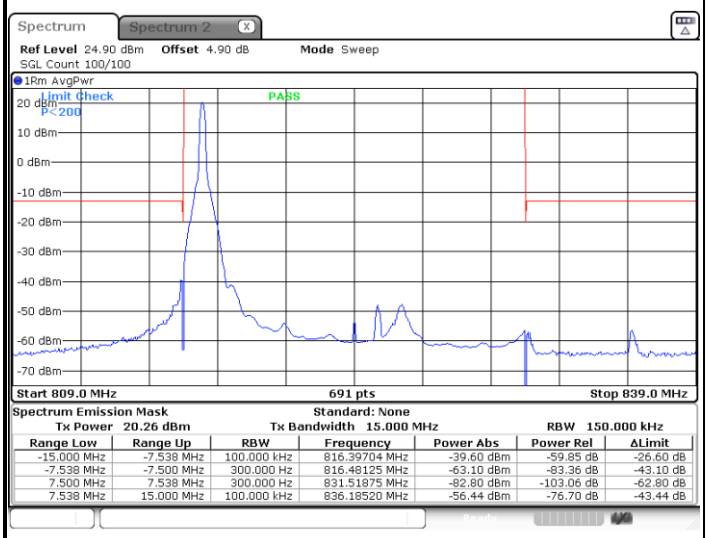


Band Edge / Full RB

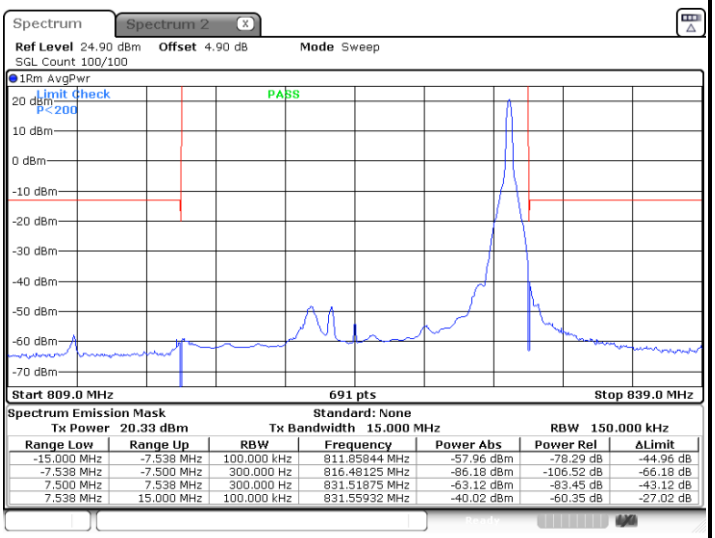


LTE Band 26 / 15MHz / 16QAM

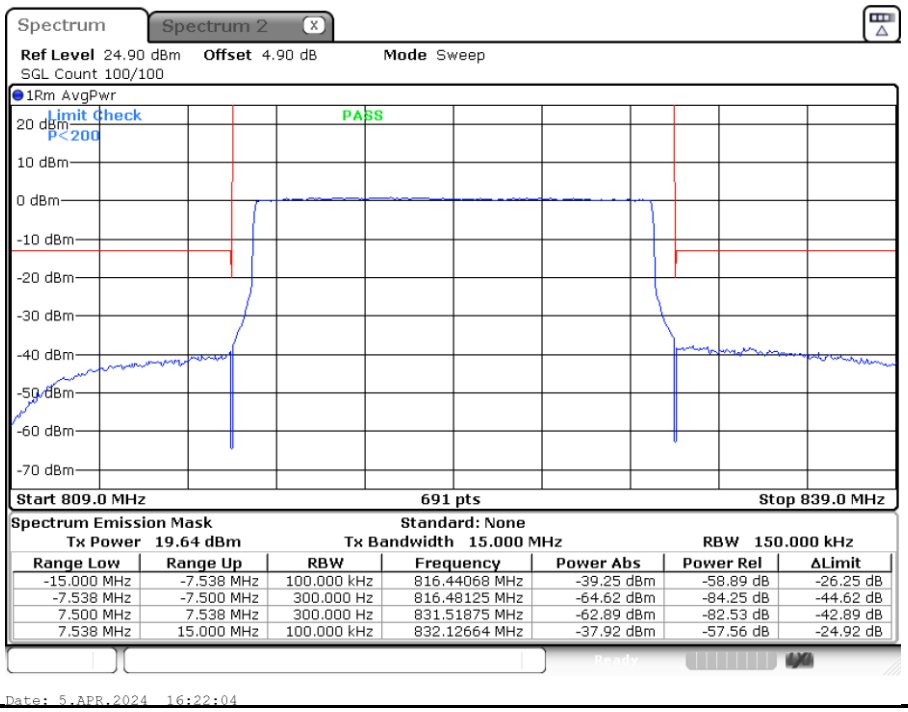
Middle Band Edge / 1 RB



Middle Band Edge / 1 RB max

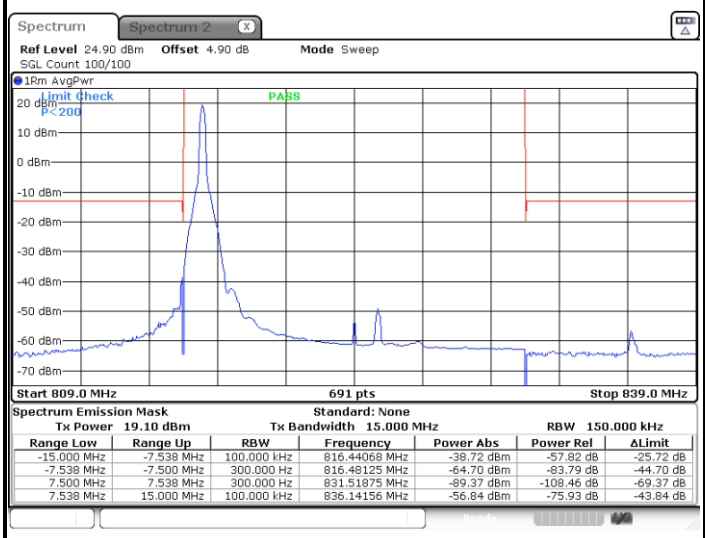


Band Edge / Full RB

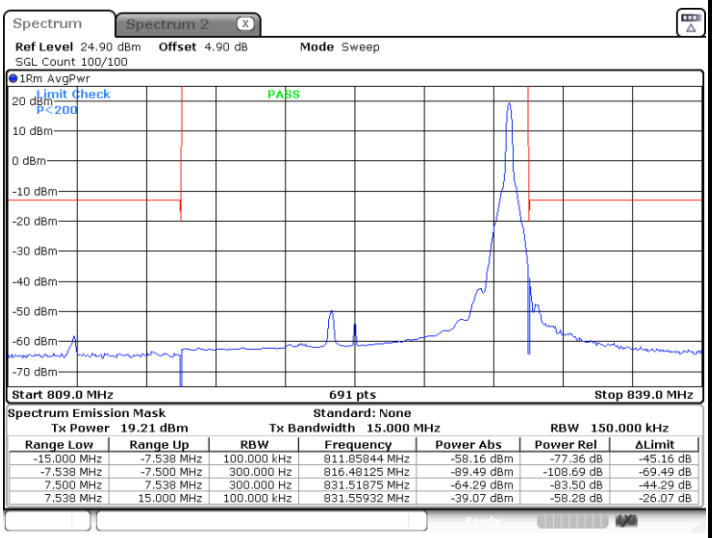


LTE Band 26 / 15MHz / 64QAM

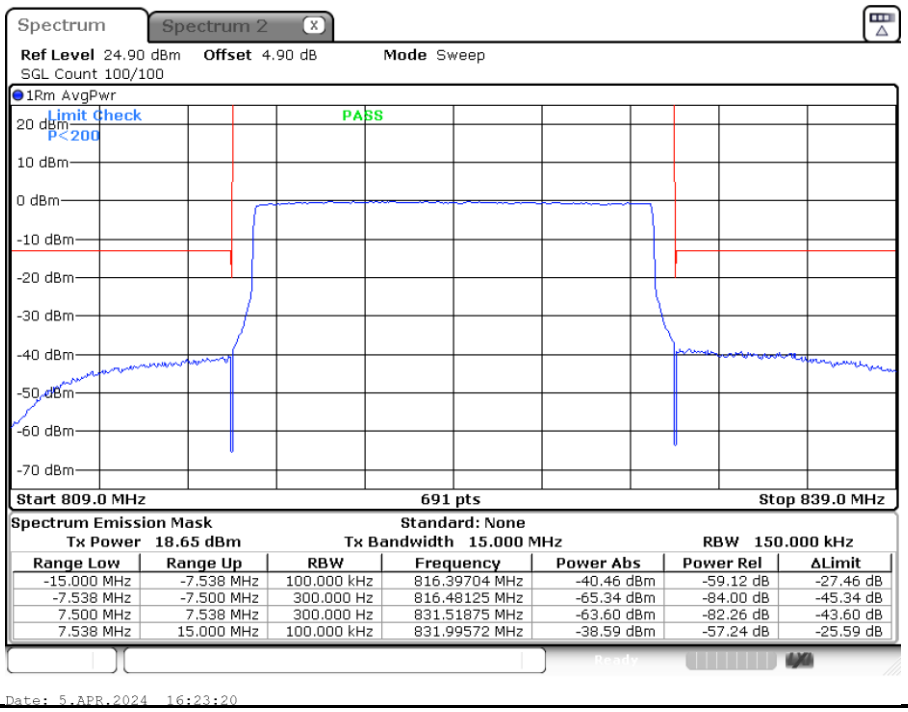
Middle Band Edge / 1 RB



Middle Band Edge / 1 RB max

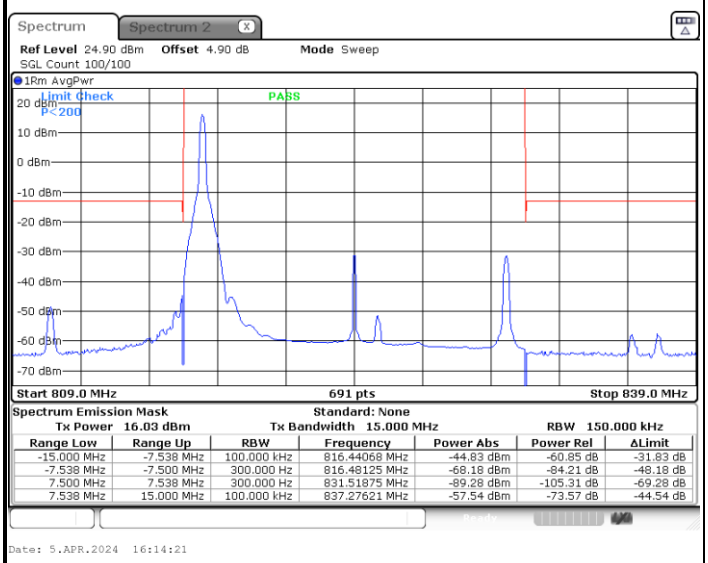


Band Edge / Full RB

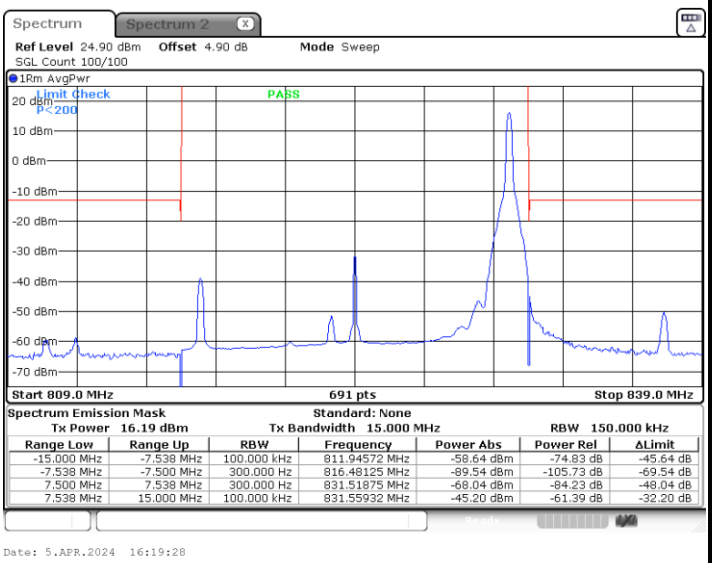


LTE Band 26 / 15MHz / 256QAM

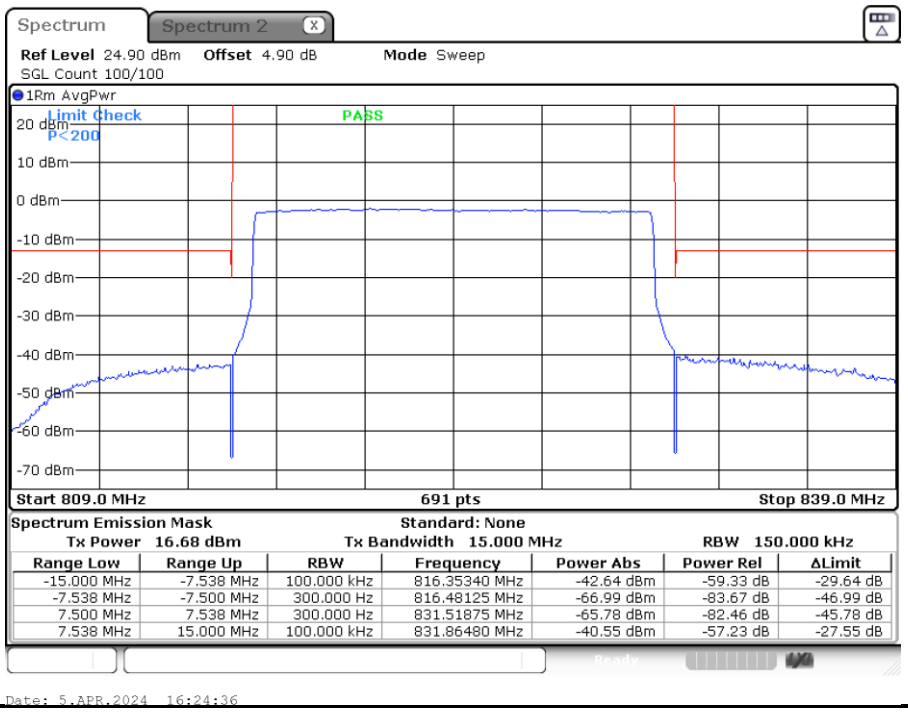
Middle Band Edge / 1 RB



Middle Band Edge / 1 RB max



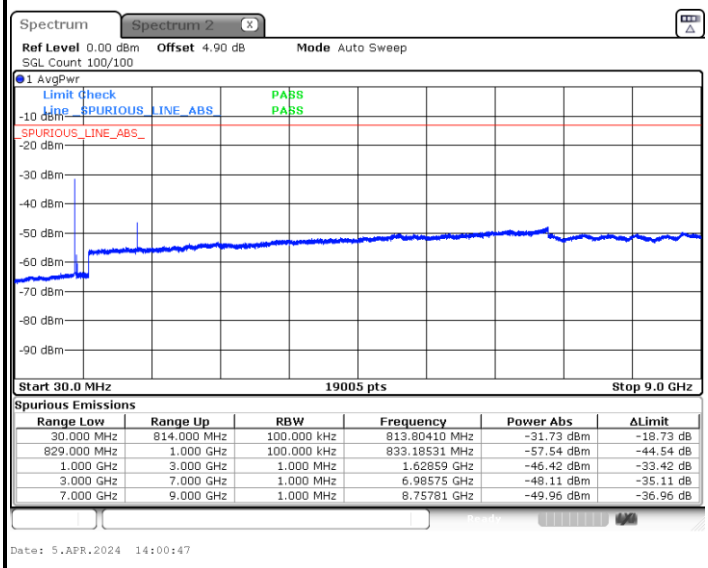
Band Edge / Full RB



Conducted Spurious Emission

LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

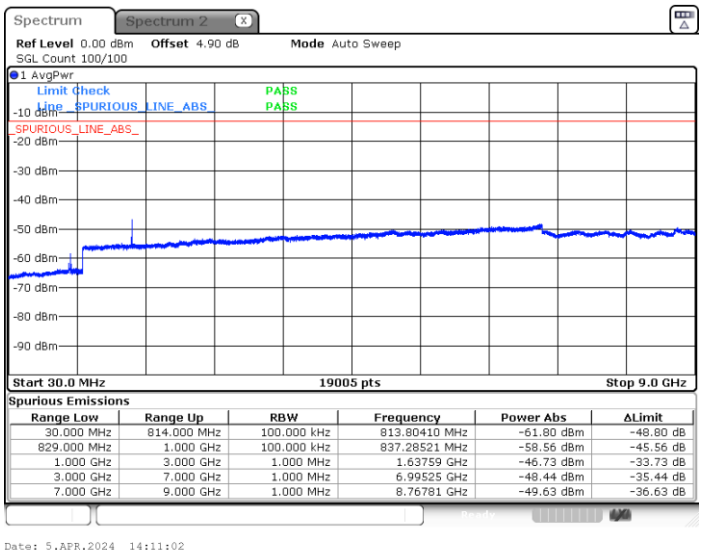


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-31.73 dBm	-18.73 dB
829.000 MHz	1.000 GHz	100.000 kHz	833.18531 MHz	-57.54 dBm	-44.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-46.42 dBm	-33.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-48.11 dBm	-35.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.75781 GHz	-49.96 dBm	-36.96 dB

Date: 5.APR.2024 14:00:47

Middle Channel / QPSK

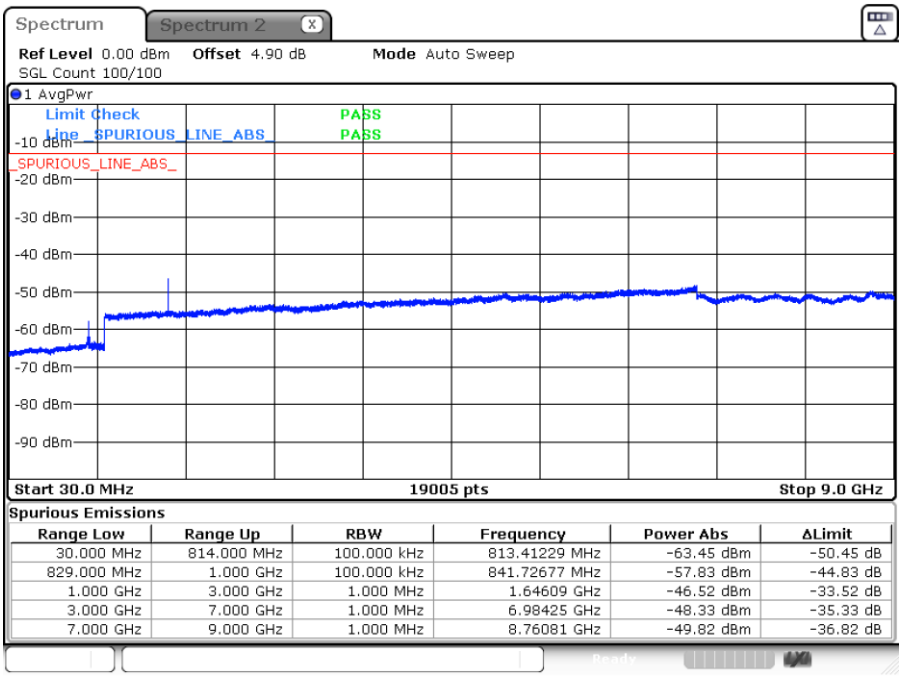


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-61.80 dBm	-48.80 dB
829.000 MHz	1.000 GHz	100.000 kHz	837.28521 MHz	-58.56 dBm	-45.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63759 GHz	-46.73 dBm	-33.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-48.44 dBm	-35.44 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76781 GHz	-49.63 dBm	-36.63 dB

Date: 5.APR.2024 14:11:02

Highest Channel / QPSK



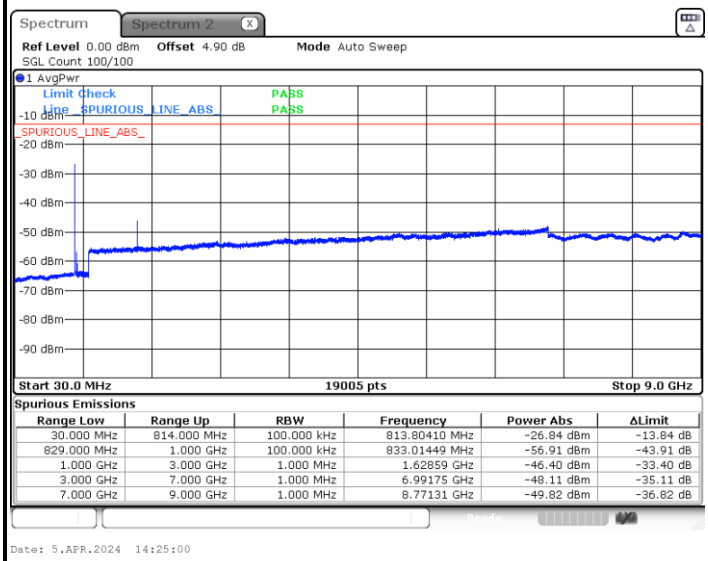
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.41229 MHz	-63.45 dBm	-50.45 dB
829.000 MHz	1.000 GHz	100.000 kHz	841.72677 MHz	-57.83 dBm	-44.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64609 GHz	-46.52 dBm	-33.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98425 GHz	-48.33 dBm	-35.33 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76081 GHz	-49.82 dBm	-36.82 dB

Date: 5.APR.2024 14:13:51

LTE Band 26 / 3MHz

Lowest Channel / QPSK

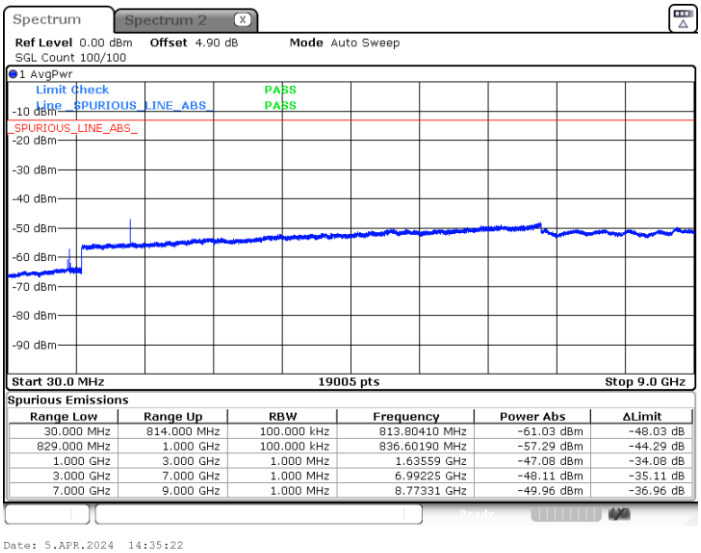


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-26.84 dBm	-13.84 dB
829.000 MHz	1.000 GHz	100.000 kHz	833.01449 MHz	-56.91 dBm	-43.91 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-46.40 dBm	-33.40 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-48.11 dBm	-35.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77131 GHz	-49.82 dBm	-36.82 dB

Date: 5.APR.2024 14:25:00

Middle Channel / QPSK

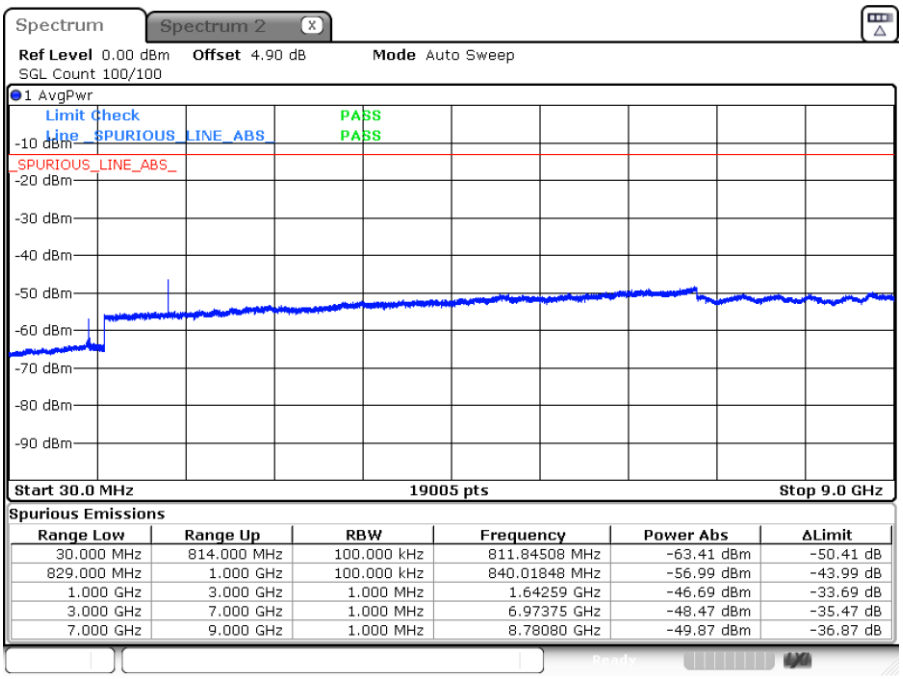


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-61.03 dBm	-48.03 dB
829.000 MHz	1.000 GHz	100.000 kHz	836.60190 MHz	-57.29 dBm	-44.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63559 GHz	-47.08 dBm	-34.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99225 GHz	-48.11 dBm	-35.11 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77331 GHz	-49.96 dBm	-36.96 dB

Date: 5.APR.2024 14:35:22

Highest Channel / QPSK



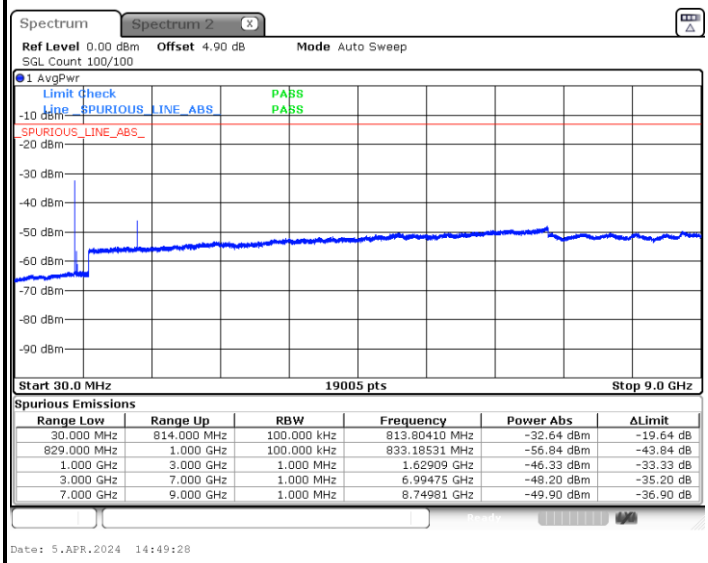
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	811.84508 MHz	-63.41 dBm	-50.41 dB
829.000 MHz	1.000 GHz	100.000 kHz	840.01848 MHz	-56.99 dBm	-43.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64259 GHz	-46.69 dBm	-33.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97375 GHz	-48.47 dBm	-35.47 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78080 GHz	-49.87 dBm	-36.87 dB

Date: 5.APR.2024 14:38:12

LTE Band 26 / 5MHz

Lowest Channel / QPSK

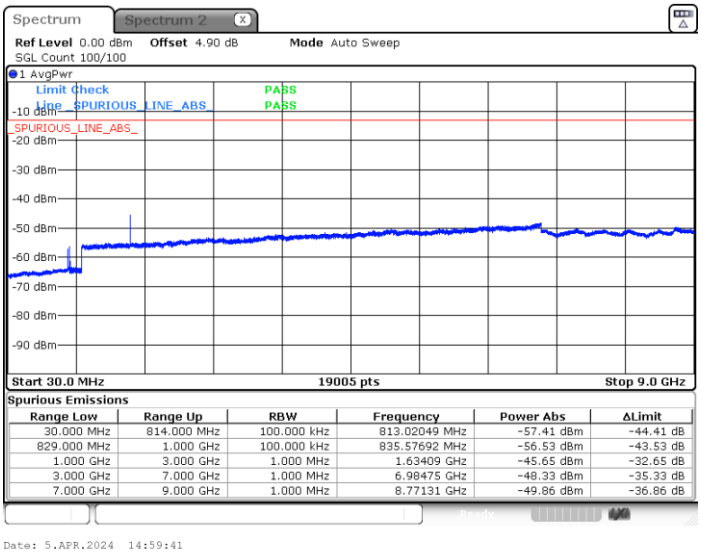


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-32.64 dBm	-19.64 dB
829.000 MHz	1.000 GHz	100.000 kHz	833.18531 MHz	-56.84 dBm	-43.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-46.33 dBm	-33.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-48.20 dBm	-35.20 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.74981 GHz	-49.90 dBm	-36.90 dB

Date: 5.APR.2024 14:49:28

Middle Channel / QPSK

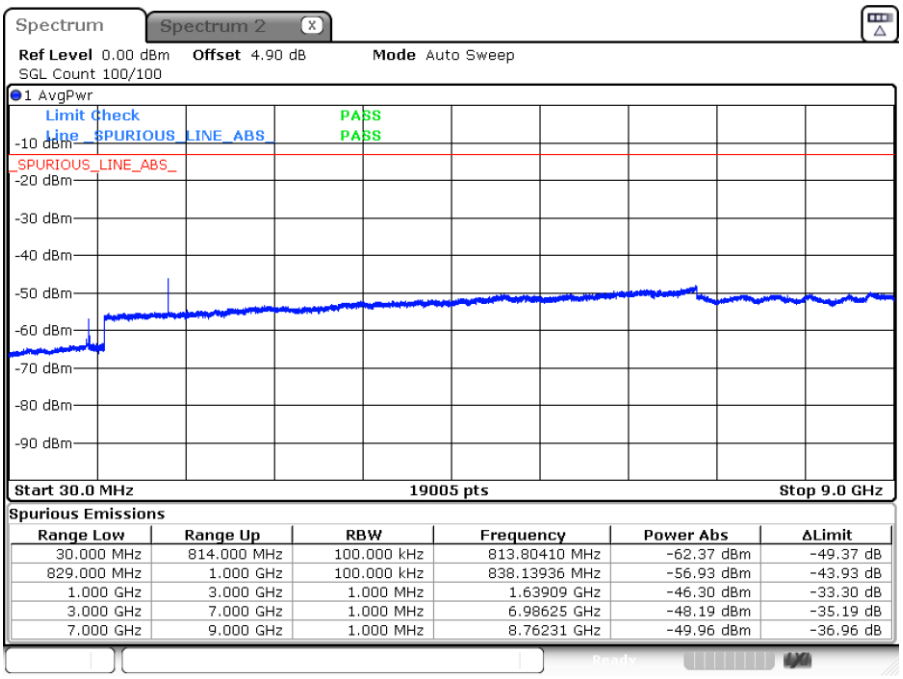


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.02049 MHz	-57.41 dBm	-44.41 dB
829.000 MHz	1.000 GHz	100.000 kHz	835.57692 MHz	-56.53 dBm	-43.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-45.65 dBm	-32.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98475 GHz	-48.33 dBm	-35.33 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77131 GHz	-49.86 dBm	-36.86 dB

Date: 5.APR.2024 14:59:41

Highest Channel / QPSK



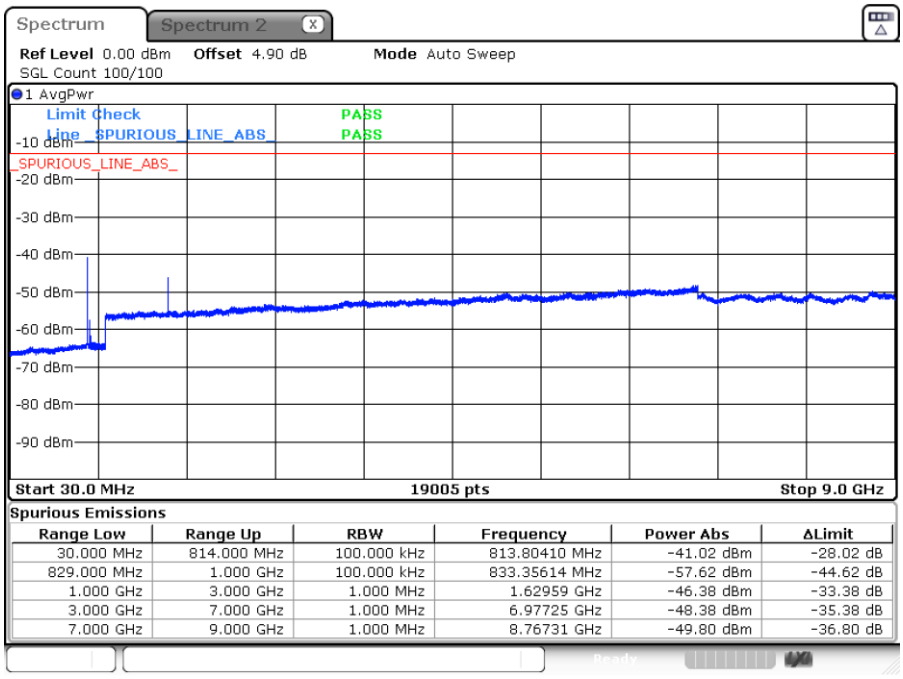
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-62.37 dBm	-49.37 dB
829.000 MHz	1.000 GHz	100.000 kHz	838.13936 MHz	-56.93 dBm	-43.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63909 GHz	-46.30 dBm	-33.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98625 GHz	-48.19 dBm	-35.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76231 GHz	-49.96 dBm	-36.96 dB

Date: 5.APR.2024 15:02:31

LTE Band 26 / 10MHz

Middle Channel / QPSK



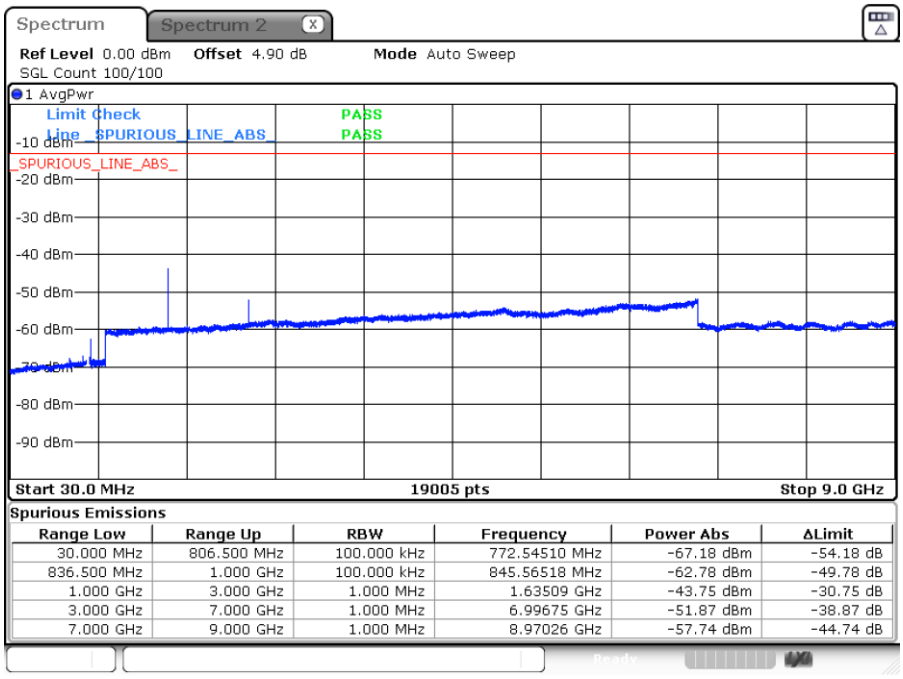
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-41.02 dBm	-28.02 dB
829.000 MHz	1.000 GHz	100.000 kHz	833.35614 MHz	-57.62 dBm	-44.62 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62959 GHz	-46.38 dBm	-33.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97725 GHz	-48.38 dBm	-35.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76731 GHz	-49.80 dBm	-36.80 dB

Date: 5.APR.2024 15:21:09

LTE Band 26 / 15MHz

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	806.500 MHz	100.000 kHz	772.54510 MHz	-67.18 dBm	-54.18 dB
836.500 MHz	1.000 GHz	100.000 kHz	845.56518 MHz	-62.78 dBm	-49.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63509 GHz	-43.75 dBm	-30.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-51.87 dBm	-38.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.97026 GHz	-57.74 dBm	-44.74 dB

Date: 5.APR.2024 16:09:16

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0040	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0036	

Note: Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.5 V.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	ShunpingYou	Temperature :	22~25℃
		Relative Humidity :	48~52%

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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1629	-56.92	-13	-43.92	-63.24	-60.17	4.00	9.40	H
	2443.5	-63.15	-13	-50.15	-73.57	-66.72	4.88	10.60	H
	3258	-63.22	-13	-50.22	-75.95	-68.15	5.52	12.60	H
	1629	-58.59	-13	-45.59	-64.95	-61.84	4.00	9.40	V
	2443.5	-63.76	-13	-50.76	-74.56	-67.33	4.88	10.60	V
	3258	-62.72	-13	-49.72	-75.97	-67.65	5.52	12.60	V

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