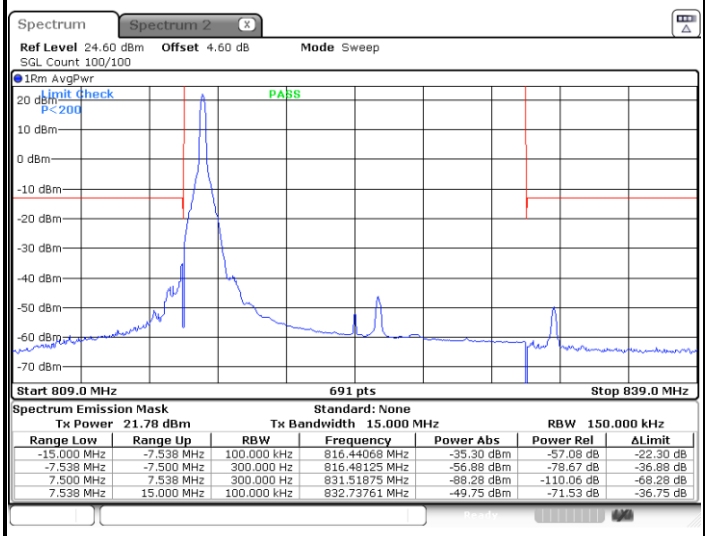
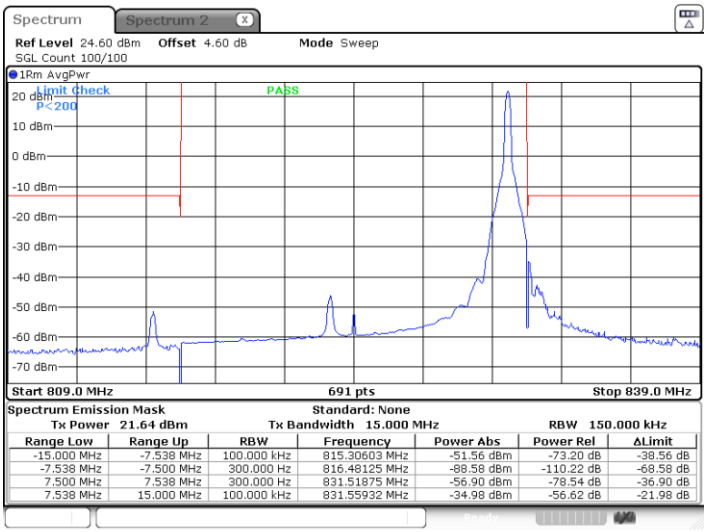
LTE Band 26 / 15MHz / QPSK

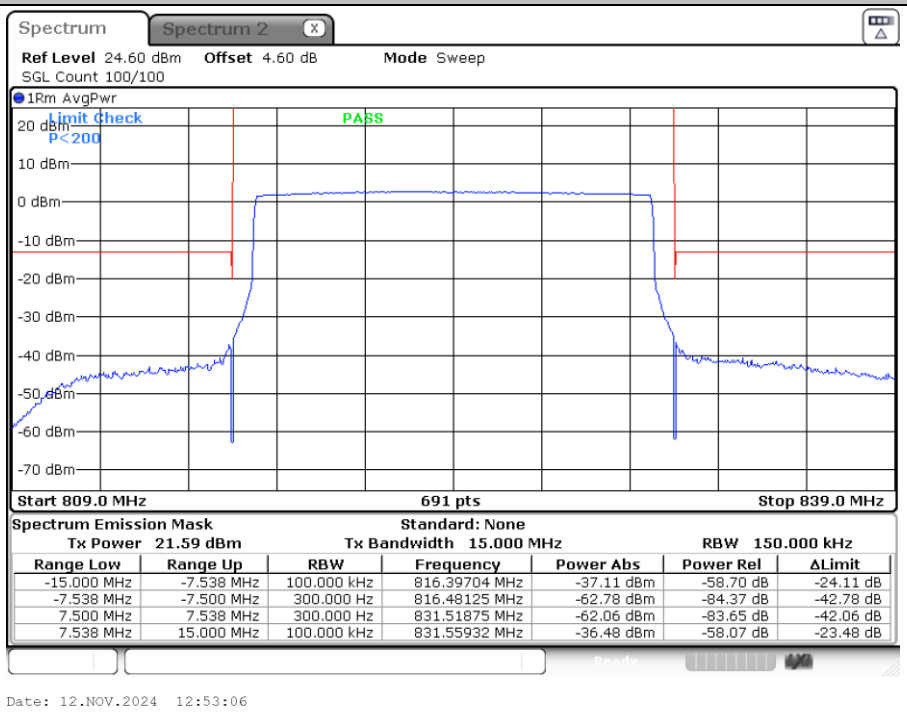
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max

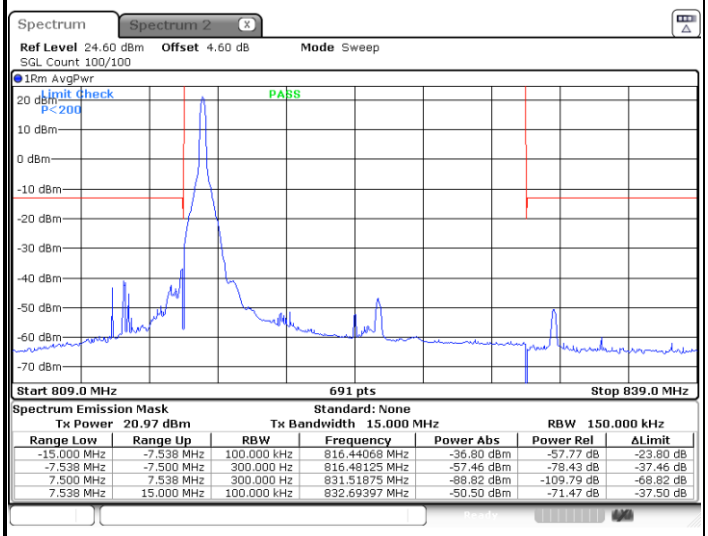


Band Edge / Full RB

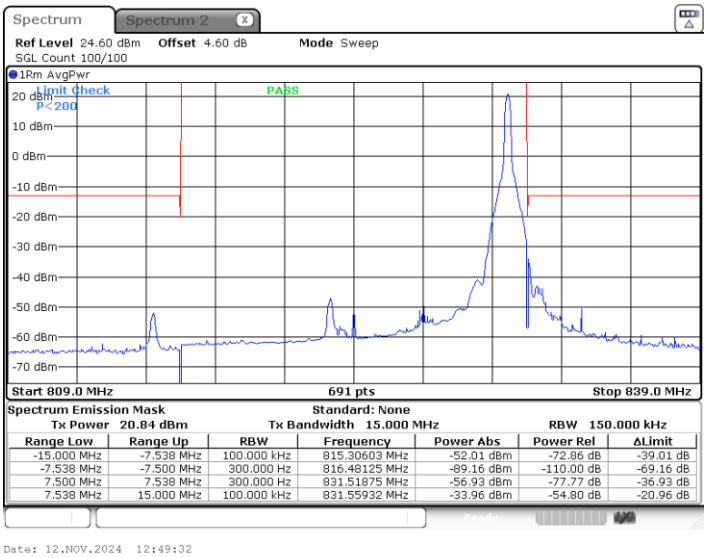


LTE Band 26 / 15MHz / 16QAM

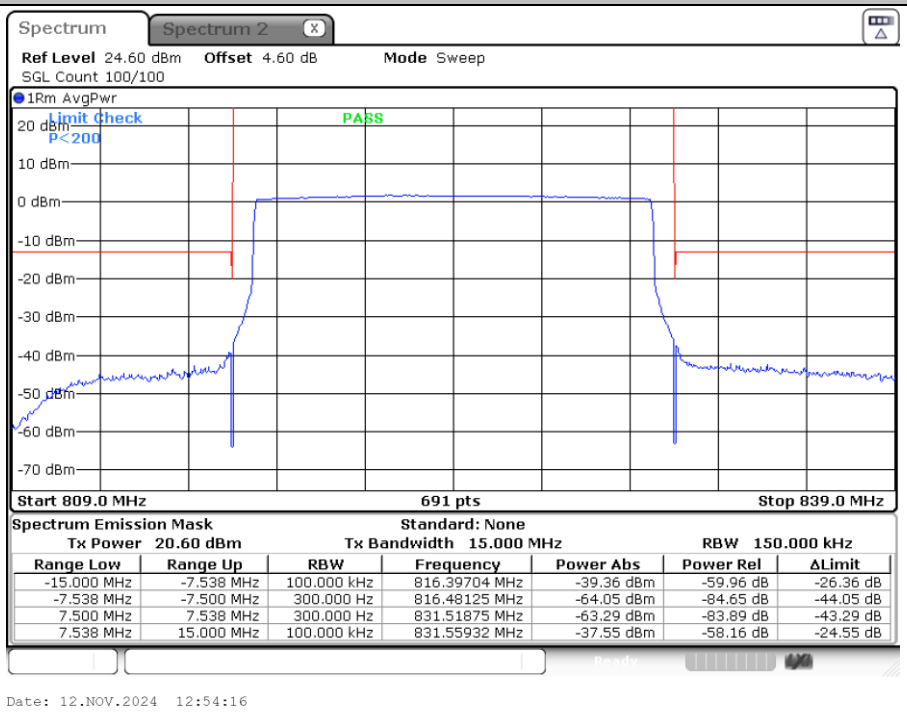
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max

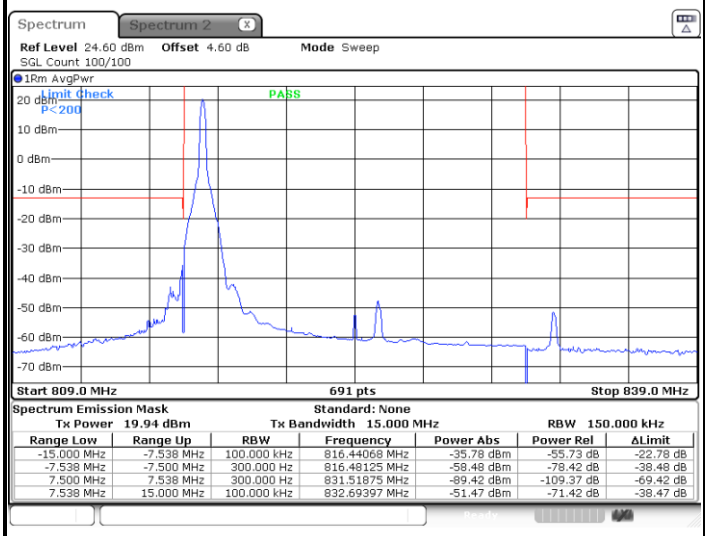


Band Edge / Full RB

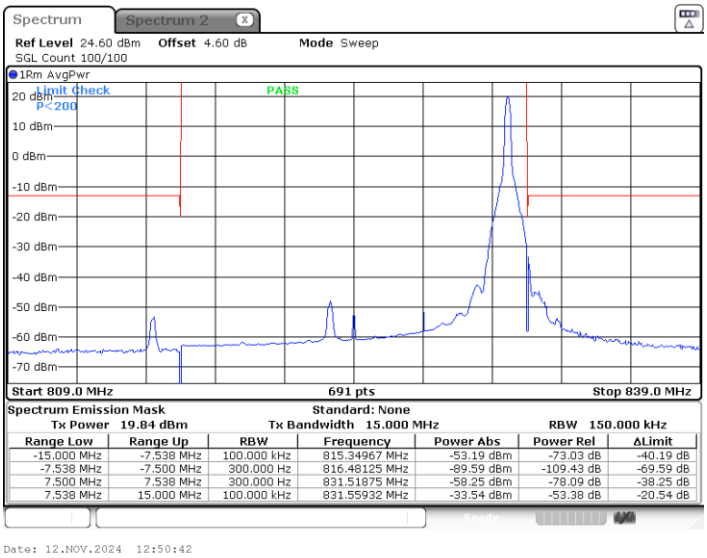


LTE Band 26 / 15MHz / 64QAM

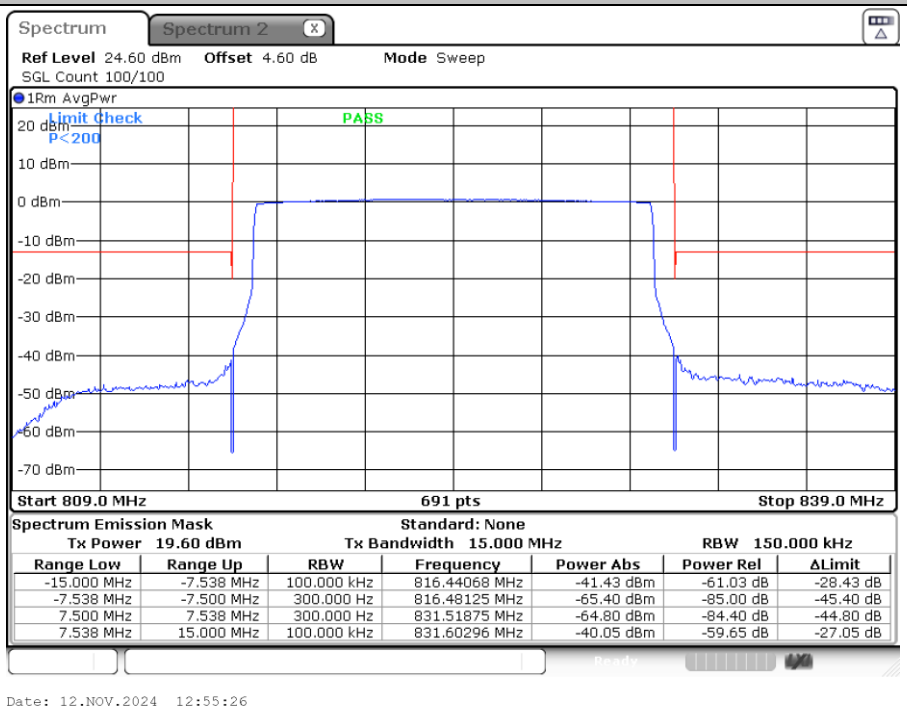
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max

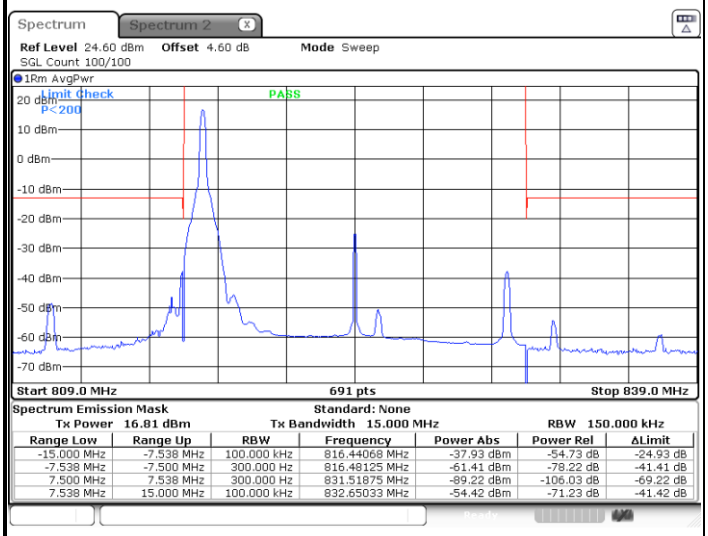


Band Edge / Full RB

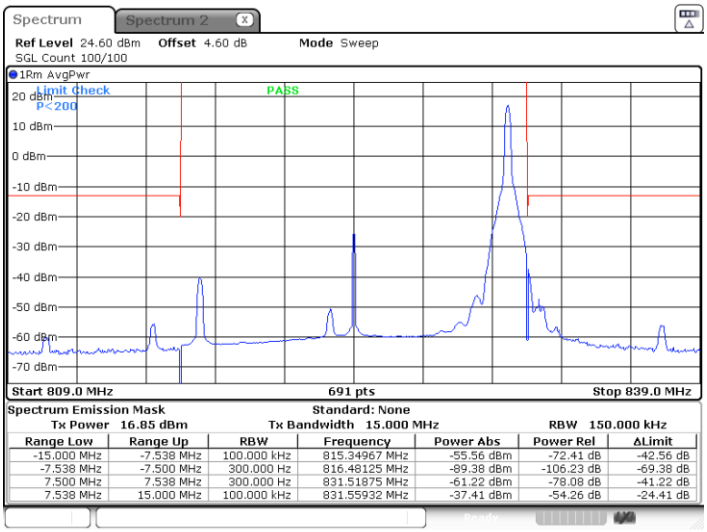


LTE Band 26 / 15MHz / 256QAM

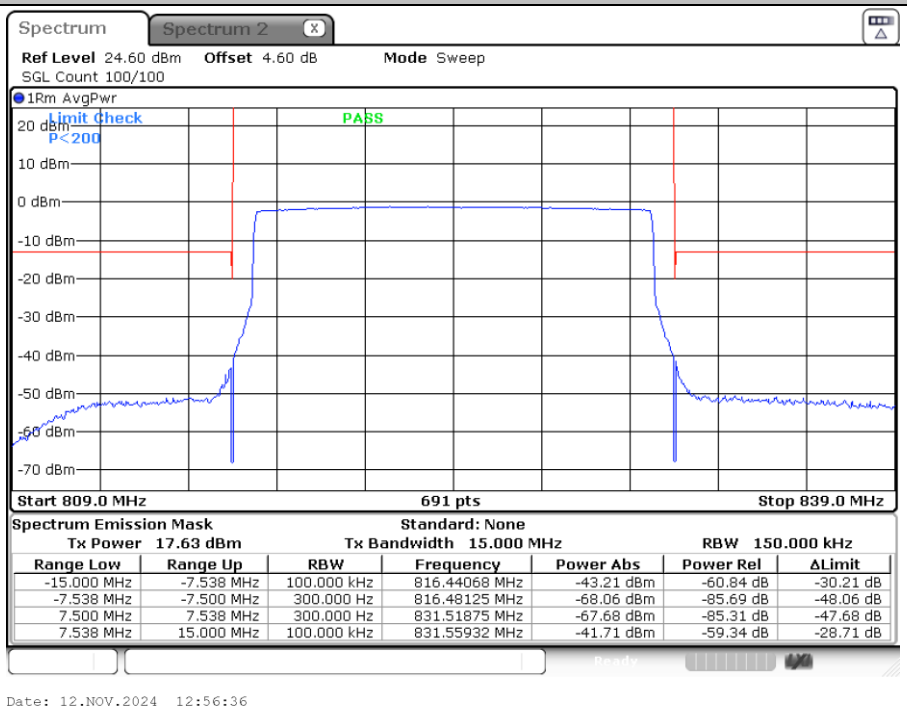
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max



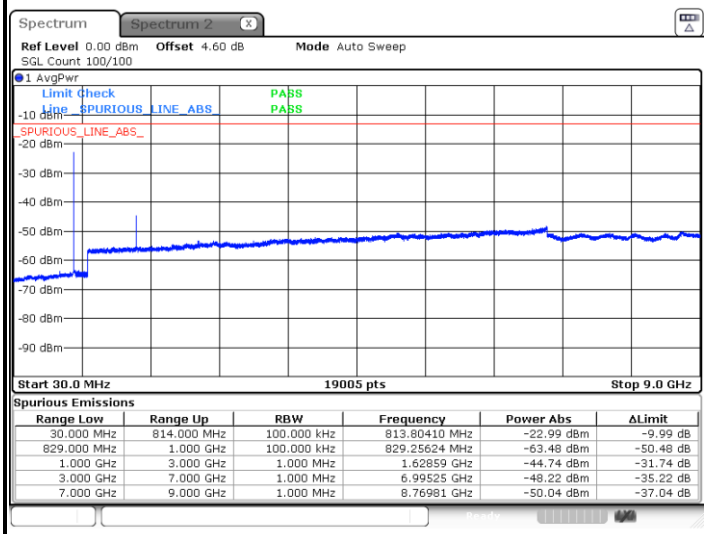
Band Edge / Full RB



Conducted Spurious Emission

LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

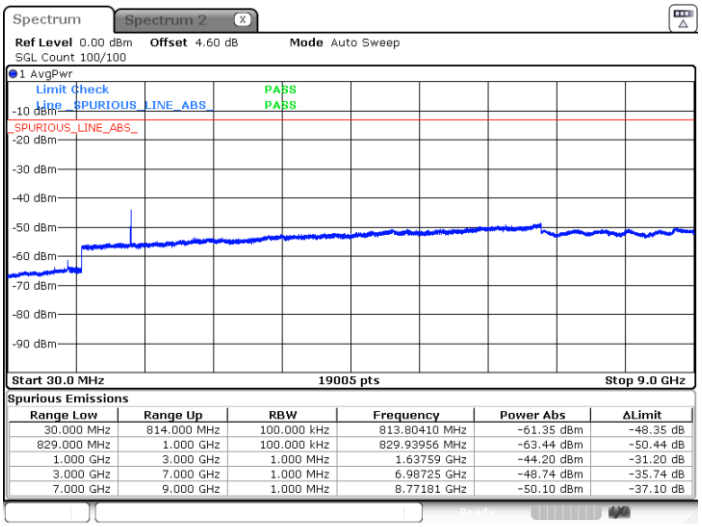


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-22.99 dBm	-9.99 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.25624 MHz	-63.48 dBm	-50.48 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-44.74 dBm	-31.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-48.22 dBm	-35.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76981 GHz	-50.04 dBm	-37.04 dB

Date: 12.NOV.2024 10:12:42

Middle Channel / QPSK

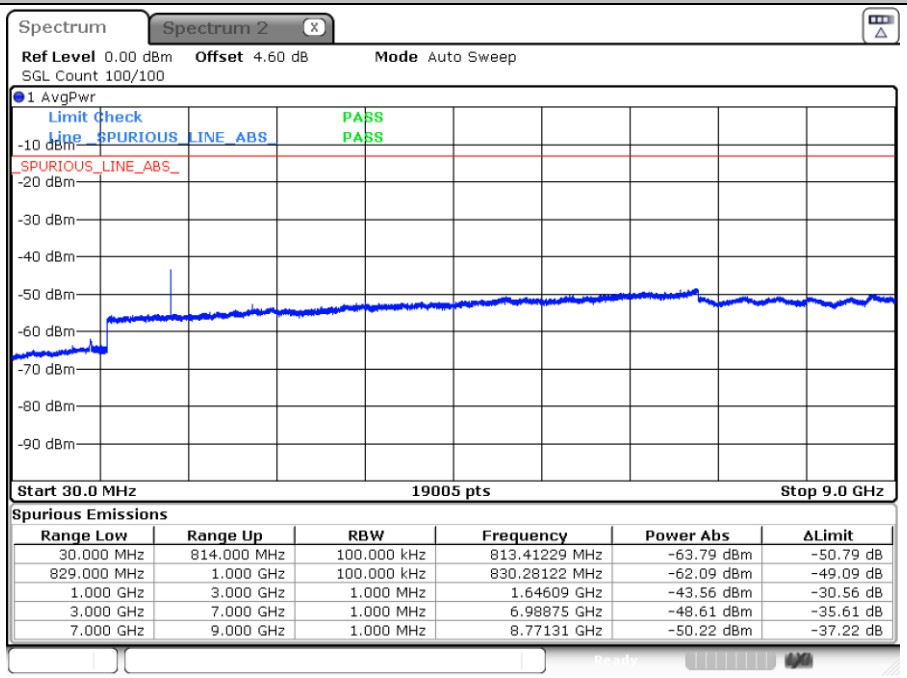


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-61.35 dBm	-48.35 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.93956 MHz	-63.44 dBm	-50.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63759 GHz	-44.20 dBm	-31.20 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98725 GHz	-48.74 dBm	-35.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77181 GHz	-50.10 dBm	-37.10 dB

Date: 12.NOV.2024 10:28:10

Highest Channel / QPSK



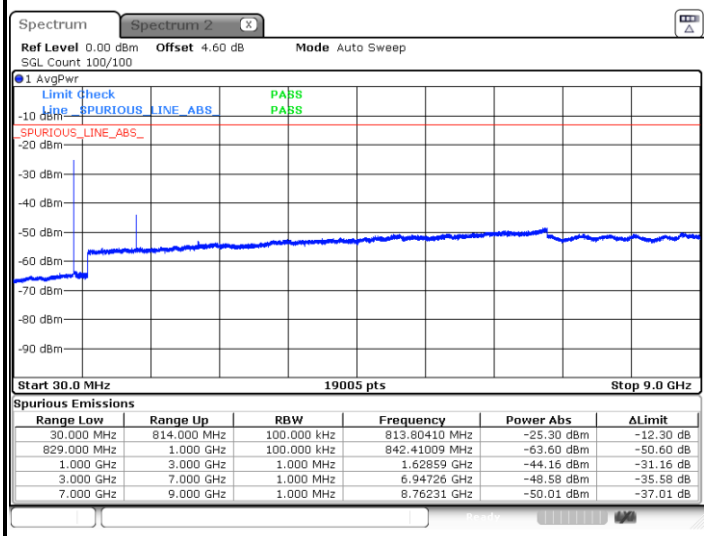
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.41229 MHz	-63.79 dBm	-50.79 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.28122 MHz	-62.09 dBm	-49.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64609 GHz	-43.56 dBm	-30.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-48.61 dBm	-35.61 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77131 GHz	-50.22 dBm	-37.22 dB

Date: 12.NOV.2024 10:29:34

LTE Band 26 / 3MHz

Lowest Channel / QPSK

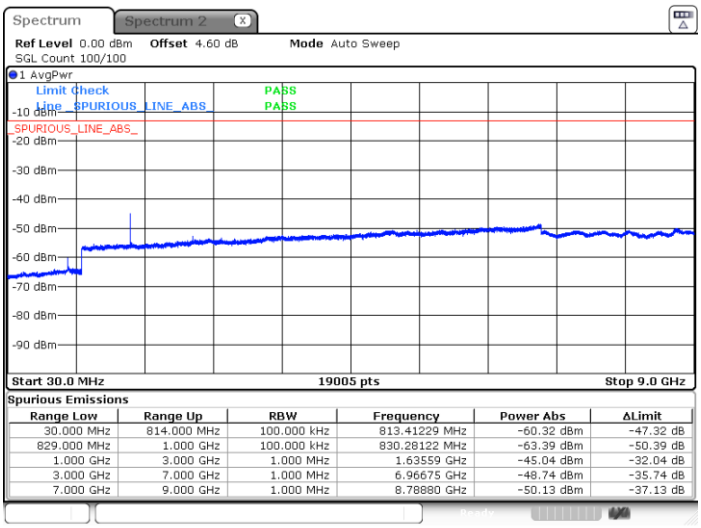


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-25.30 dBm	-12.30 dB
829.000 MHz	1.000 GHz	100.000 kHz	842.41009 MHz	-63.60 dBm	-50.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-44.16 dBm	-31.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94726 GHz	-48.58 dBm	-35.58 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76231 GHz	-50.01 dBm	-37.01 dB

Date: 12.NOV.2024 10:44:19

Middle Channel / QPSK

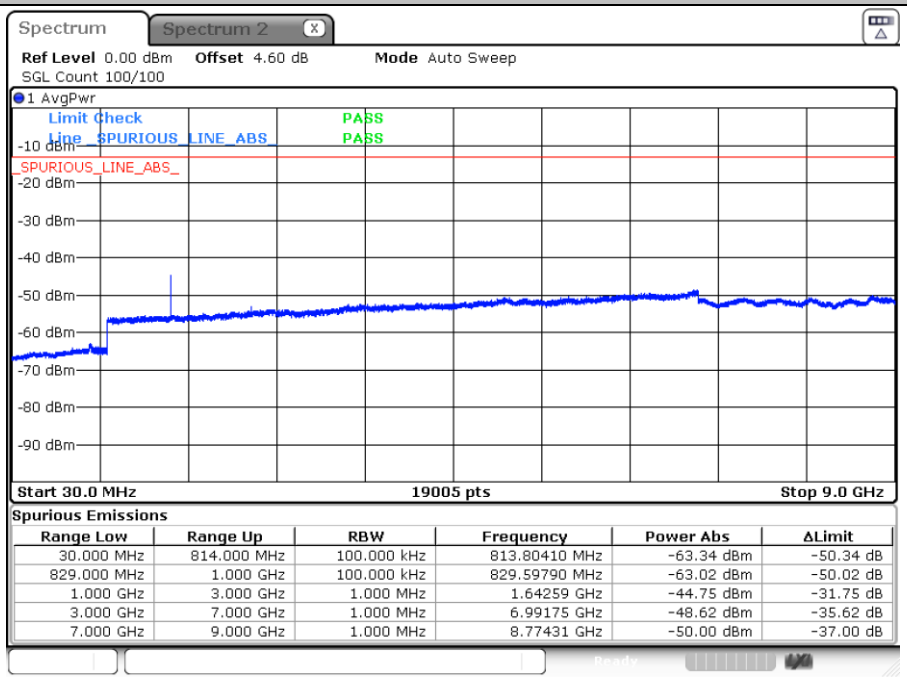


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.41229 MHz	-60.32 dBm	-47.32 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.28122 MHz	-63.39 dBm	-50.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63559 GHz	-45.04 dBm	-32.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96675 GHz	-48.74 dBm	-35.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78880 GHz	-50.13 dBm	-37.13 dB

Date: 12.NOV.2024 10:57:22

Highest Channel / QPSK



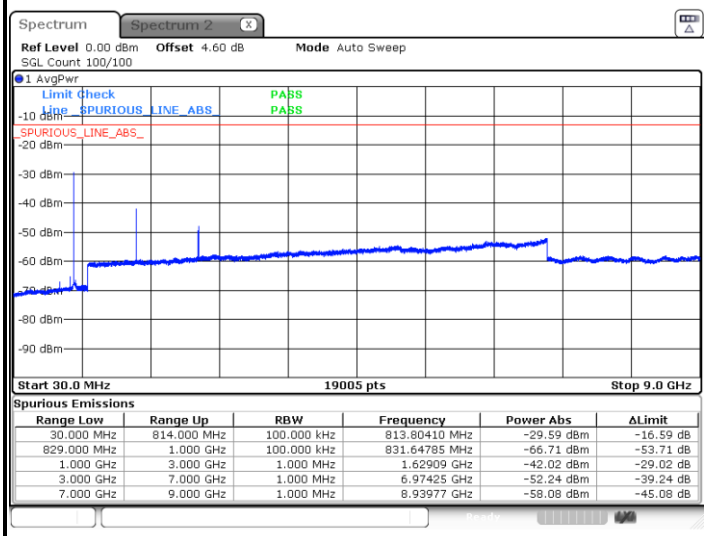
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-63.34 dBm	-50.34 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.59790 MHz	-63.02 dBm	-50.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64259 GHz	-44.75 dBm	-31.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-48.62 dBm	-35.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77431 GHz	-50.00 dBm	-37.00 dB

Date: 12.NOV.2024 10:59:06

LTE Band 26 / 5MHz

Lowest Channel / QPSK

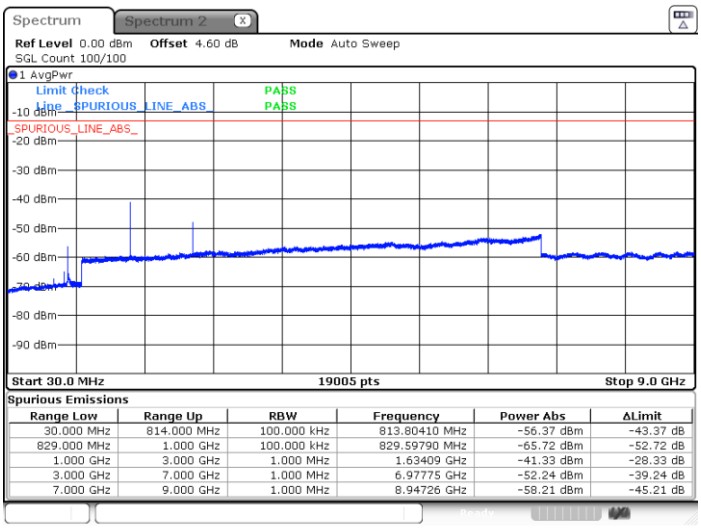


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-29.59 dBm	-16.59 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.64785 MHz	-66.71 dBm	-53.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-42.02 dBm	-29.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97425 GHz	-52.24 dBm	-39.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93977 GHz	-58.08 dBm	-45.08 dB

Date: 12.NOV.2024 11:12:49

Middle Channel / QPSK

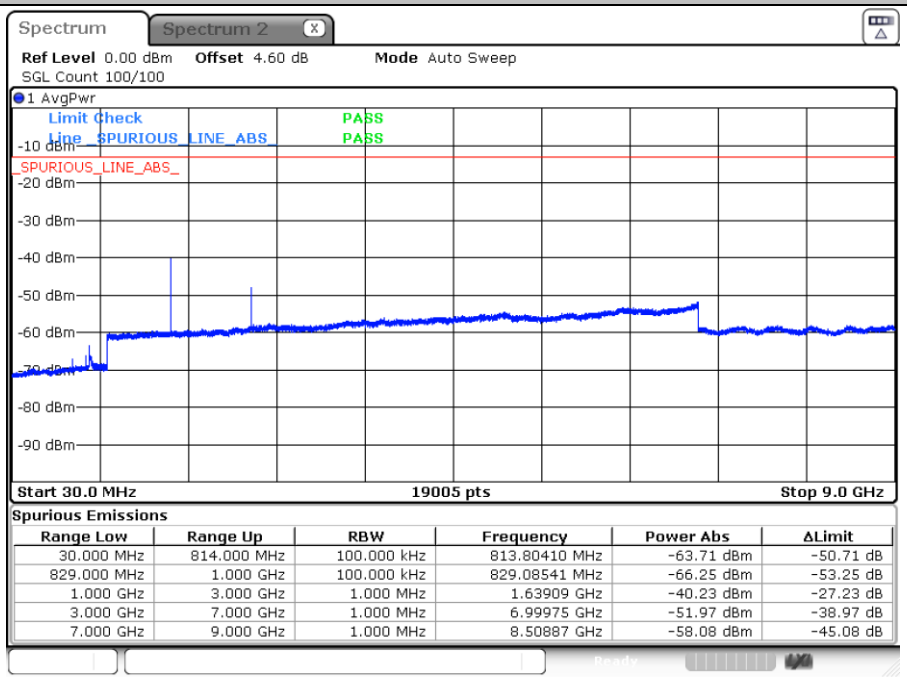


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-56.37 dBm	-43.37 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.59790 MHz	-65.72 dBm	-52.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-41.33 dBm	-28.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97775 GHz	-52.24 dBm	-39.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94726 GHz	-58.21 dBm	-45.21 dB

Date: 12.NOV.2024 11:24:27

Highest Channel / QPSK



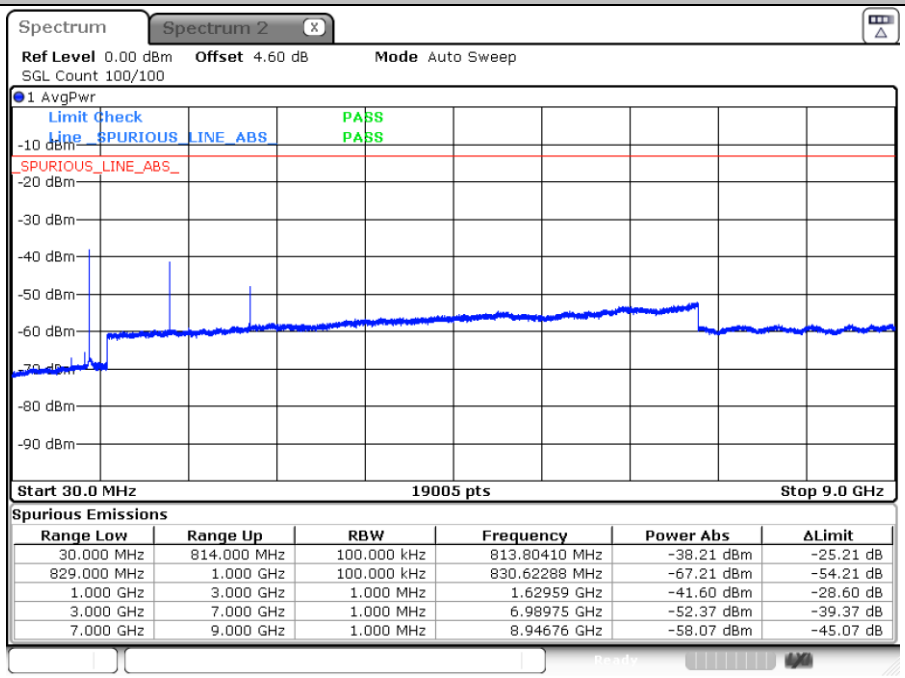
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-63.71 dBm	-50.71 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.08541 MHz	-66.25 dBm	-53.25 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63909 GHz	-40.23 dBm	-27.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-51.97 dBm	-38.97 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.50887 GHz	-58.08 dBm	-45.08 dB

Date: 12.NOV.2024 11:26:10

LTE Band 26 / 10MHz

Middle Channel / QPSK



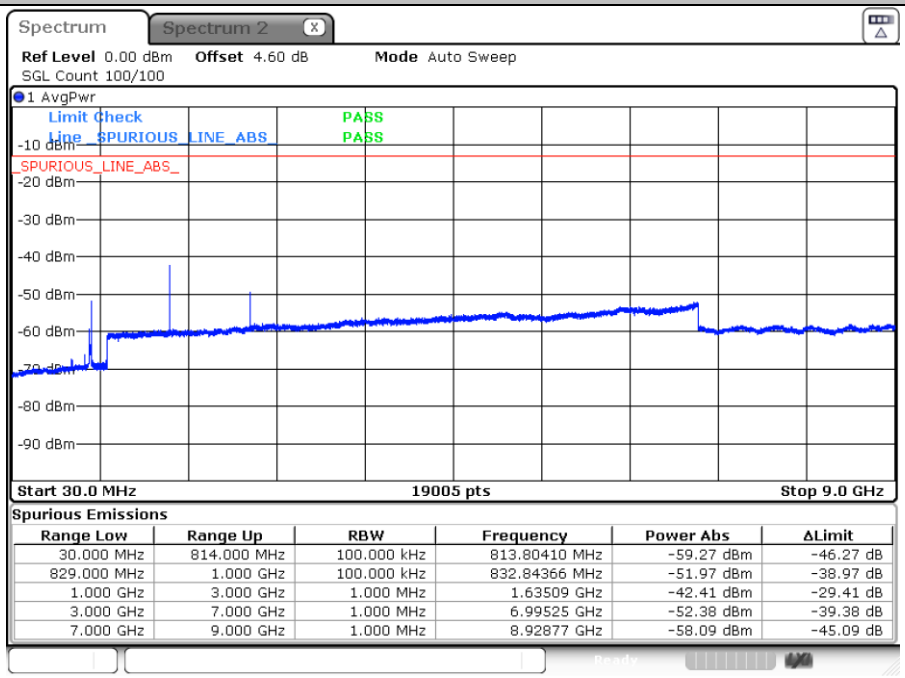
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-38.21 dBm	-25.21 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.62288 MHz	-67.21 dBm	-54.21 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62959 GHz	-41.60 dBm	-28.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-52.37 dBm	-39.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94676 GHz	-58.07 dBm	-45.07 dB

Date: 12.NOV.2024 12:26:21

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	813.80410 MHz	-59.27 dBm	-46.27 dB
829.000 MHz	1.000 GHz	100.000 kHz	832.84366 MHz	-51.97 dBm	-38.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63509 GHz	-42.41 dBm	-29.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-52.38 dBm	-39.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.92877 GHz	-58.09 dBm	-45.09 dB

Date: 12.NOV.2024 12:42:27

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	0.0022	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0022	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.45 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 :	HuaCong Liang	Temperature :	22~25℃
		Relative Humidity :	48~52%

LTE Band 26 / 15MHz / QPSK / Ant. 1									
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	1634.5	-61.01	-13	-48.01	-72.47	-64.18	4.10	9.42	H
	2451.75	-49.14	-13	-36.14	-67.59	-52.72	4.90	10.63	H
	3269	-58.95	-13	-45.95	-79.46	-63.87	5.55	12.62	H
	1634.5	-62.82	-13	-49.82	-74.88	-65.99	4.10	9.42	V
	2451.75	-49.37	-13	-36.37	-68.26	-52.95	4.90	10.63	V
	3269	-57.60	-13	-44.60	-79.38	-62.52	5.55	12.62	V

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