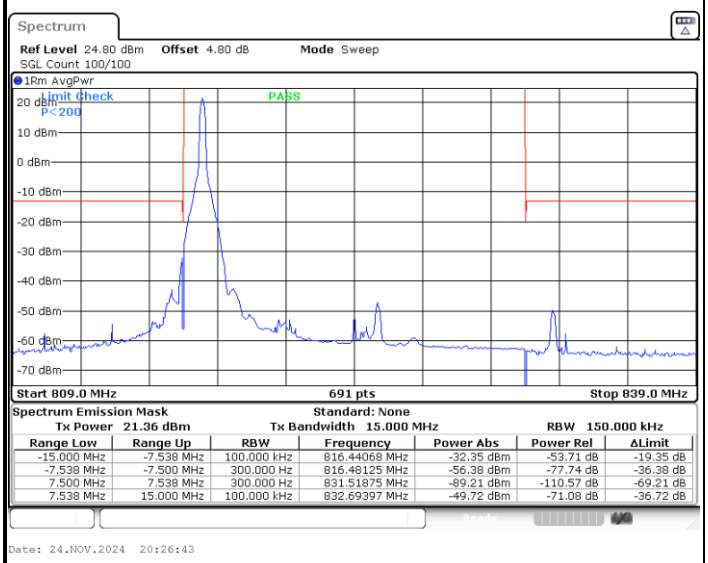
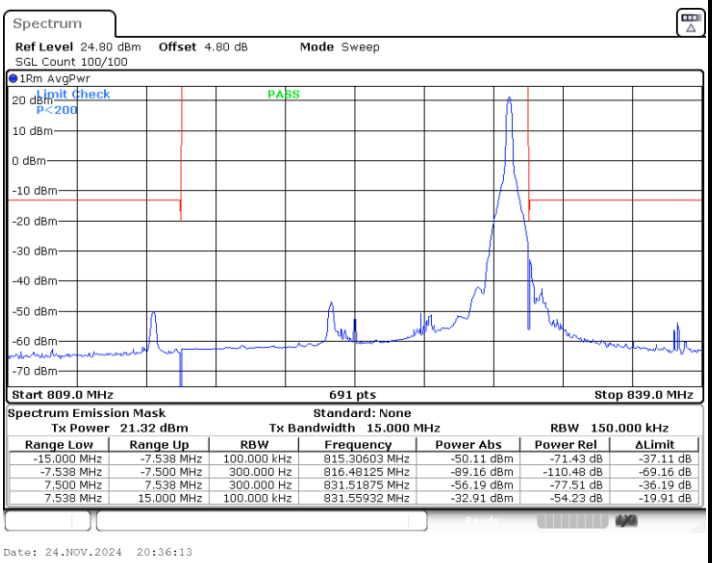
LTE Band 26 / 15MHz / 16QAM

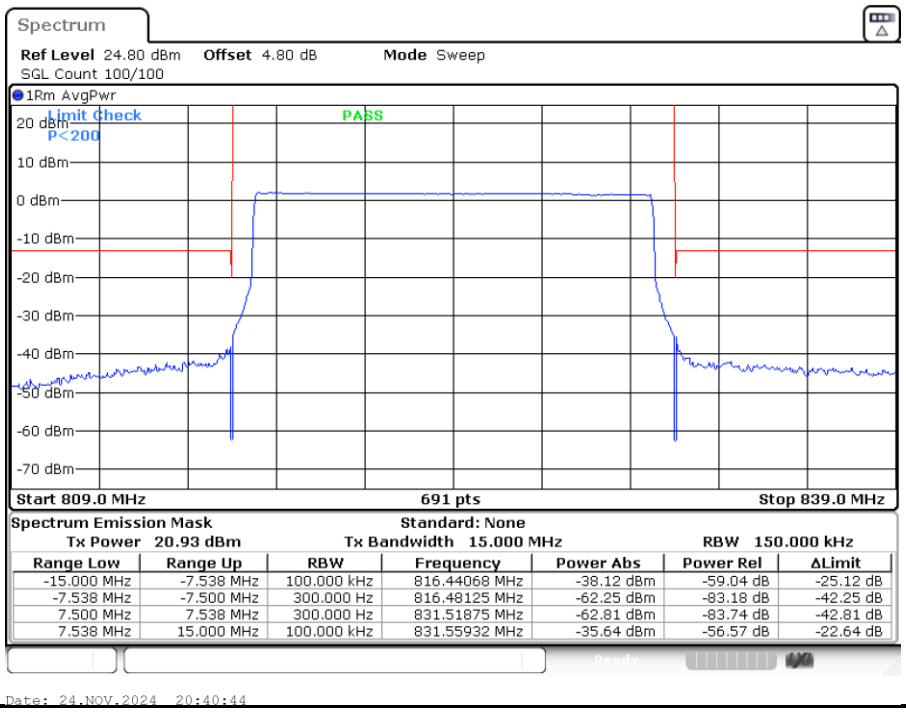
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max

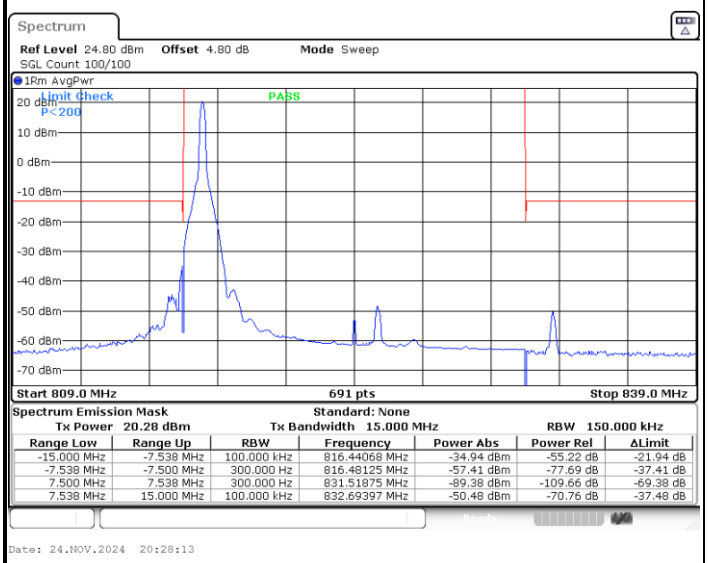


Band Edge / Full RB

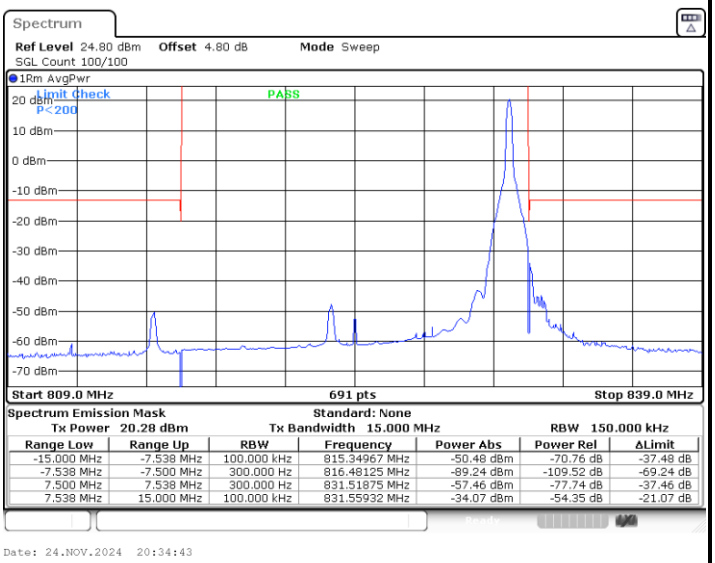


LTE Band 26 / 15MHz / 64QAM

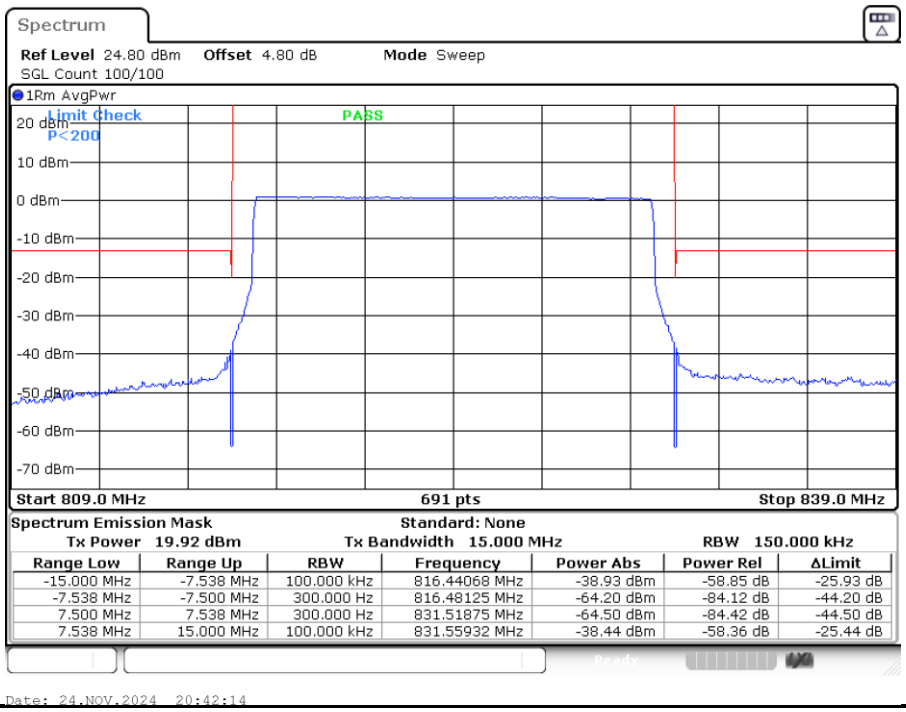
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max

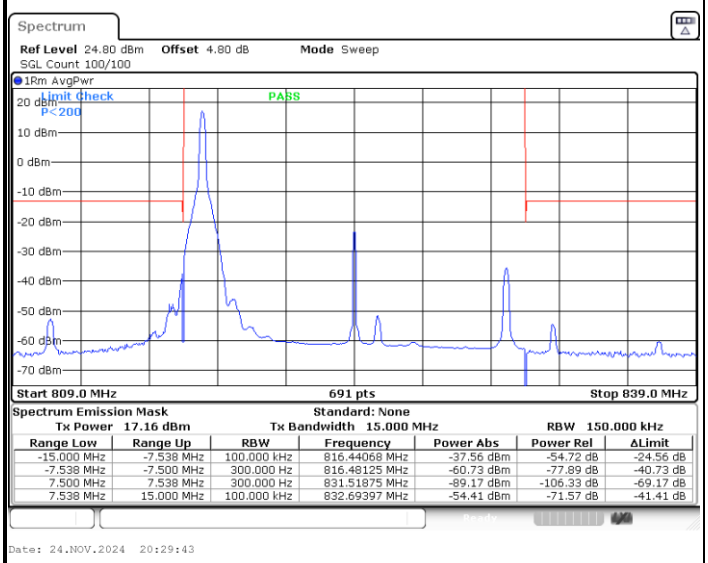


Band Edge / Full RB

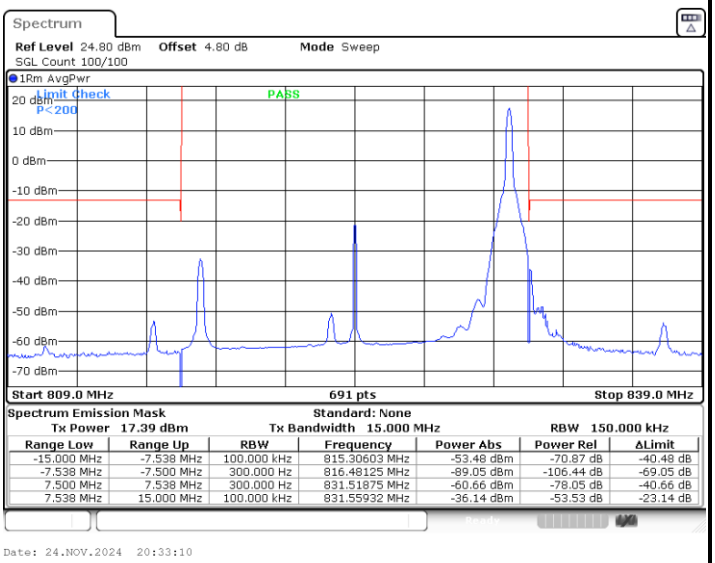


LTE Band 26 / 15MHz / 256QAM

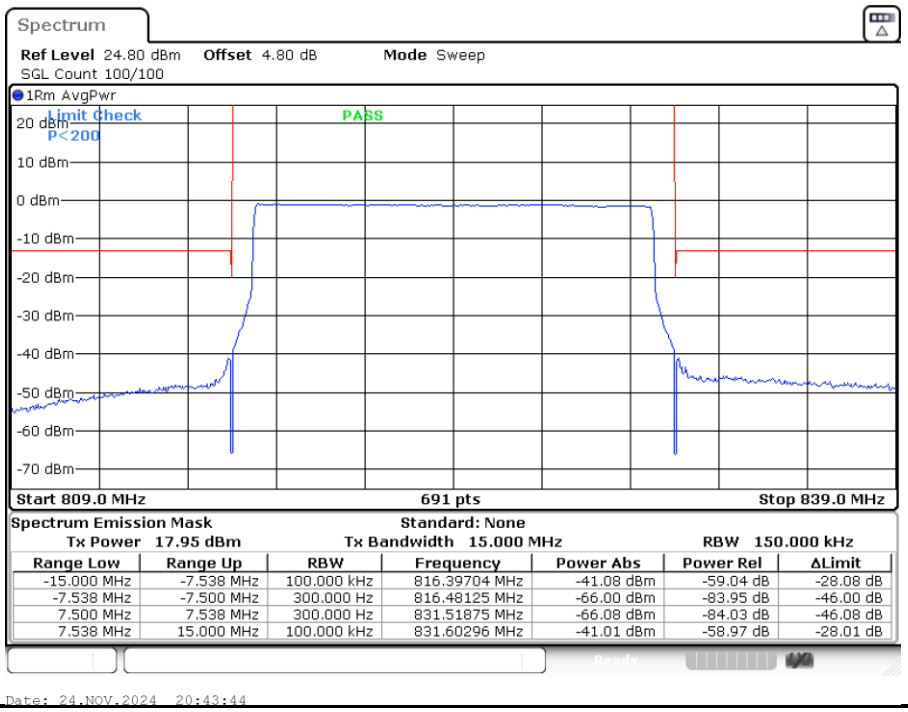
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max



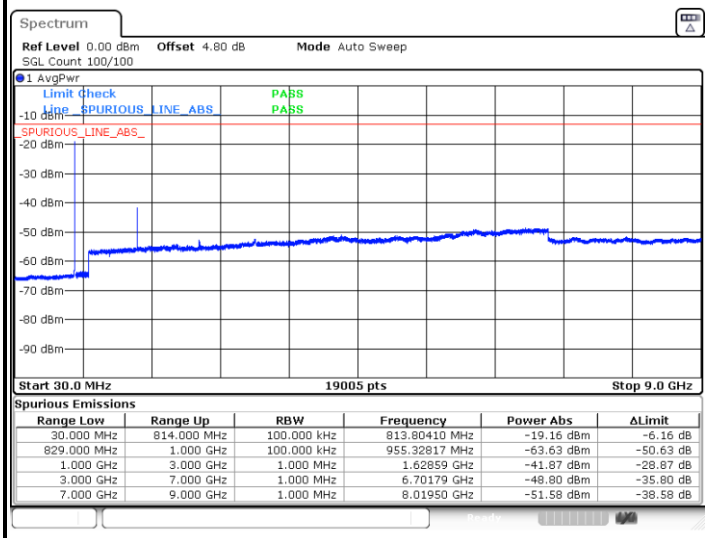
Band Edge / Full RB



Conducted Spurious Emission

LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

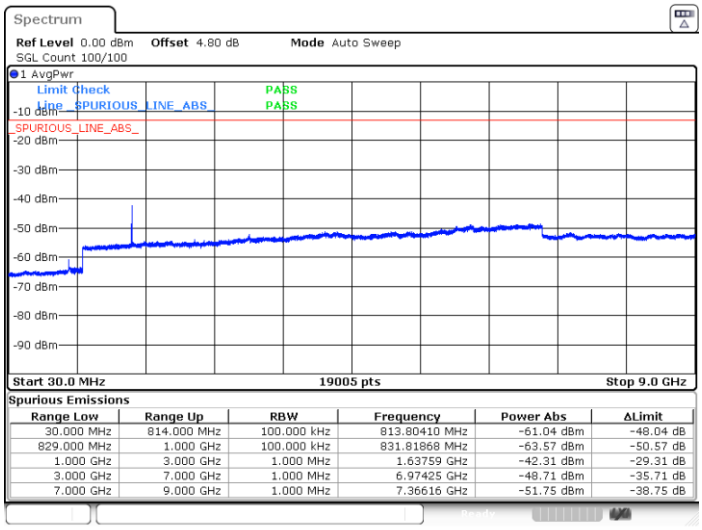


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-19.16 dBm	-6.16 dB
829.000 MHz	1.000 GHz	100.000 kHz	955.32817 MHz	-63.63 dBm	-50.63 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-41.87 dBm	-28.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.70179 GHz	-48.80 dBm	-35.80 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01950 GHz	-51.58 dBm	-38.58 dB

Date: 24.NOV.2024 20:54:13

Middle Channel / QPSK

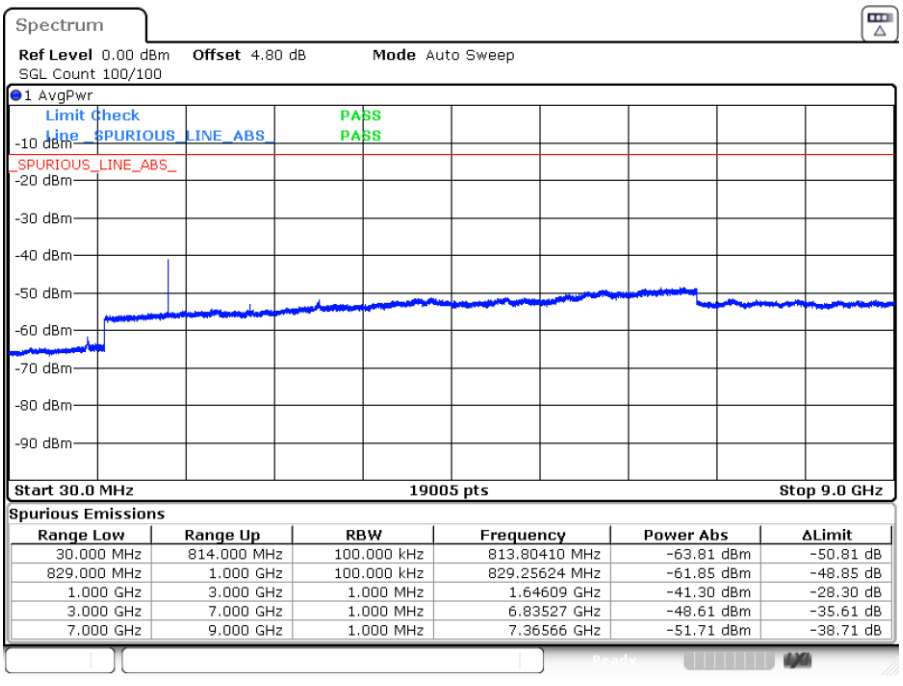


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-61.04 dBm	-48.04 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.81868 MHz	-63.57 dBm	-50.57 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63759 GHz	-42.31 dBm	-29.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97425 GHz	-48.71 dBm	-35.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.36616 GHz	-51.75 dBm	-38.75 dB

Date: 24.NOV.2024 21:10:20

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	-63.81 dBm	-50.81 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.25624 MHz	-61.85 dBm	-48.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64609 GHz	-41.30 dBm	-28.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.83527 GHz	-48.61 dBm	-35.61 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.36566 GHz	-51.71 dBm	-38.71 dB

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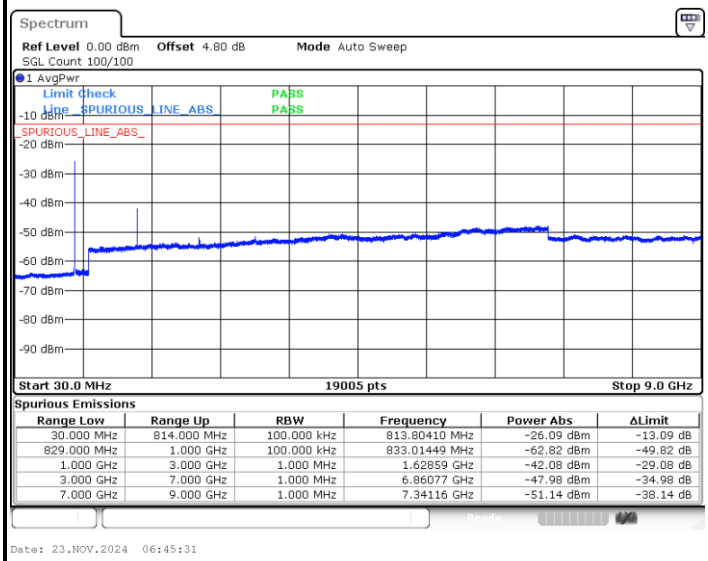
LTE Band 26 / 3MHz

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	-26.09 dBm	-13.09 dB
829.000 MHz	1.000 GHz	100.000 kHz	833.01449 MHz	-62.82 dBm	-49.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-42.08 dBm	-29.08 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.86077 GHz	-47.98 dBm	-34.98 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.34116 GHz	-51.14 dBm	-38.14 dB

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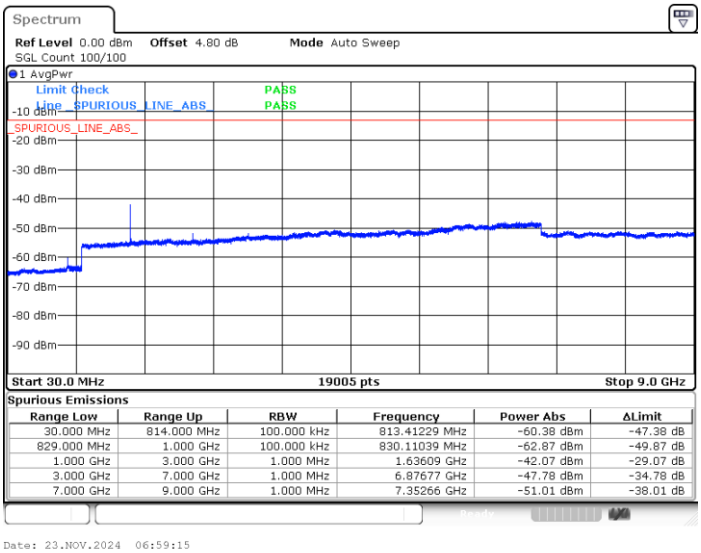
Middle Channel / QPSK

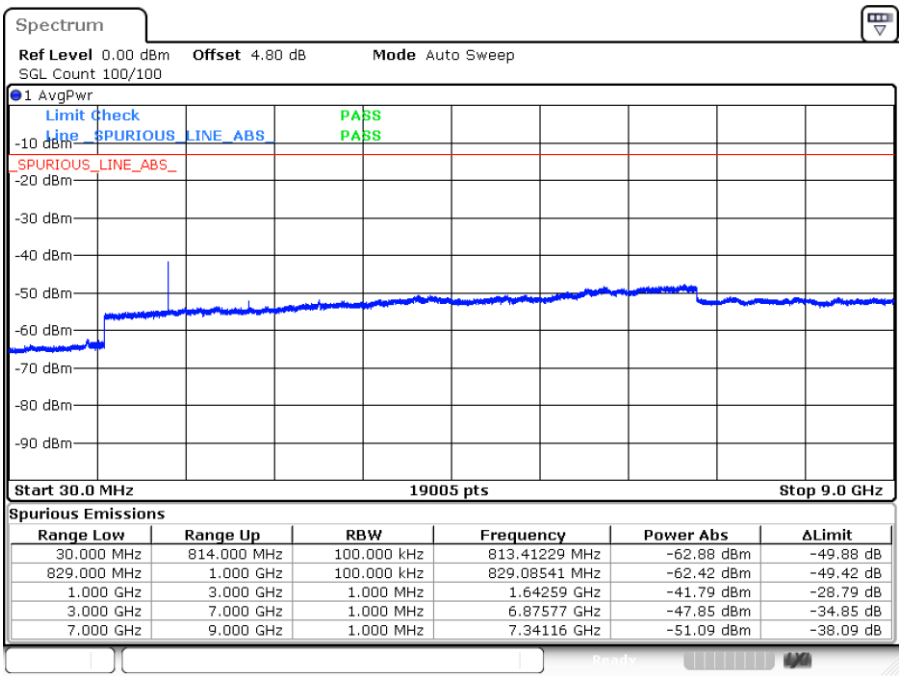


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.41229 MHz	-60.38 dBm	-47.38 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.11039 MHz	-62.87 dBm	-49.87 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63609 GHz	-42.07 dBm	-29.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87677 GHz	-47.78 dBm	-34.78 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.35266 GHz	-51.01 dBm	-38.01 dB

Date: 23.NOV.2024 06:59:15

Highest Channel / QPSK



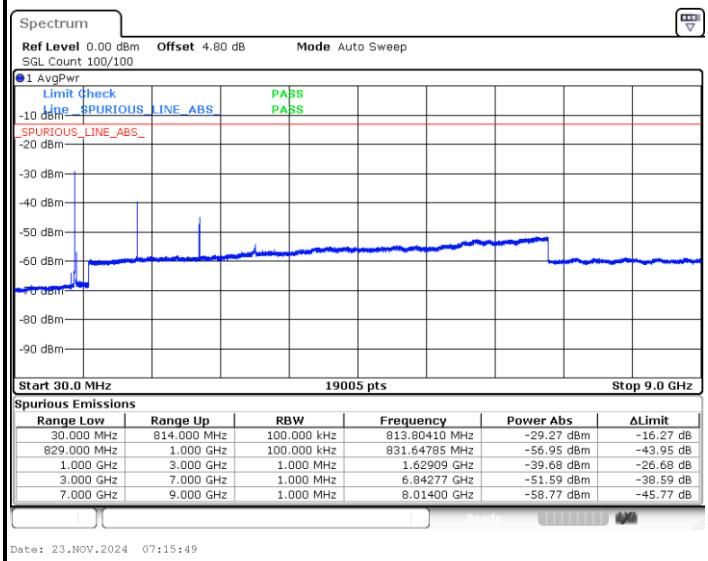
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.41229 MHz	-62.88 dBm	-49.88 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.08541 MHz	-62.42 dBm	-49.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64259 GHz	-41.79 dBm	-28.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87577 GHz	-47.85 dBm	-34.85 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.34116 GHz	-51.09 dBm	-38.09 dB

Date: 23.NOV.2024 07:00:39

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	-29.27 dBm	-16.27 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.64785 MHz	-56.95 dBm	-43.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-39.68 dBm	-26.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.84277 GHz	-51.59 dBm	-38.59 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.01400 GHz	-58.77 dBm	-45.77 dB

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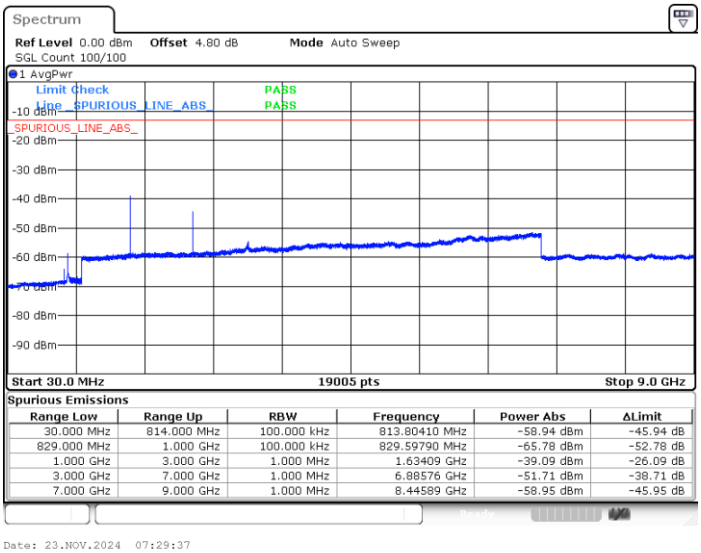
Middle Channel / QPSK

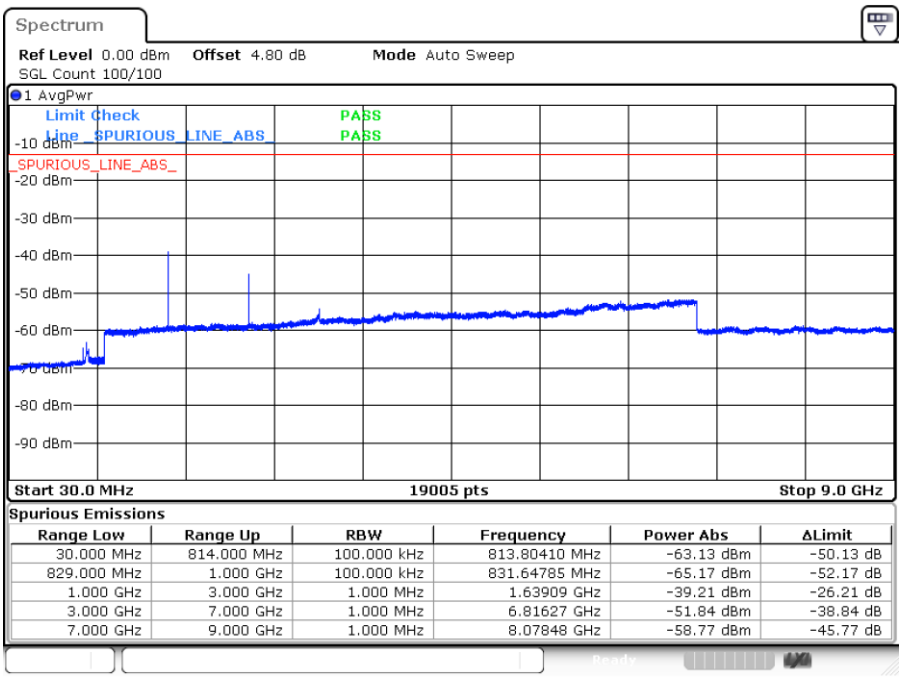


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-58.94 dBm	-45.94 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.59790 MHz	-65.78 dBm	-52.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-39.09 dBm	-26.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88576 GHz	-51.71 dBm	-38.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.44589 GHz	-58.95 dBm	-45.95 dB

Date: 23.NOV.2024 07:29:37

Highest Channel / QPSK



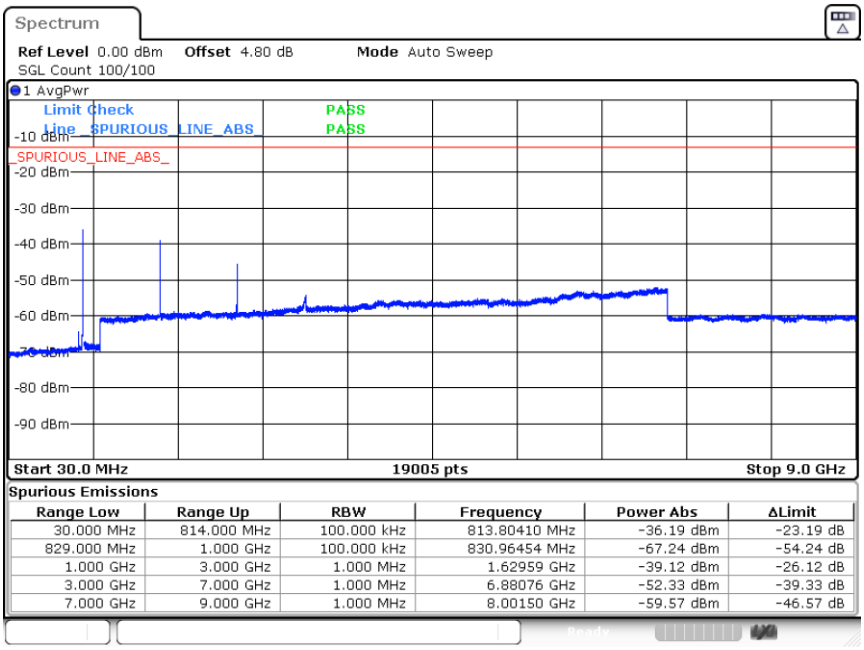
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-63.13 dBm	-50.13 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.64785 MHz	-65.17 dBm	-52.17 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63909 GHz	-39.21 dBm	-26.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.81627 GHz	-51.84 dBm	-38.84 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.07848 GHz	-58.77 dBm	-45.77 dB

Date: 23.NOV.2024 07:31:01

LTE Band 26 / 10MHz

Middle Channel / QPSK



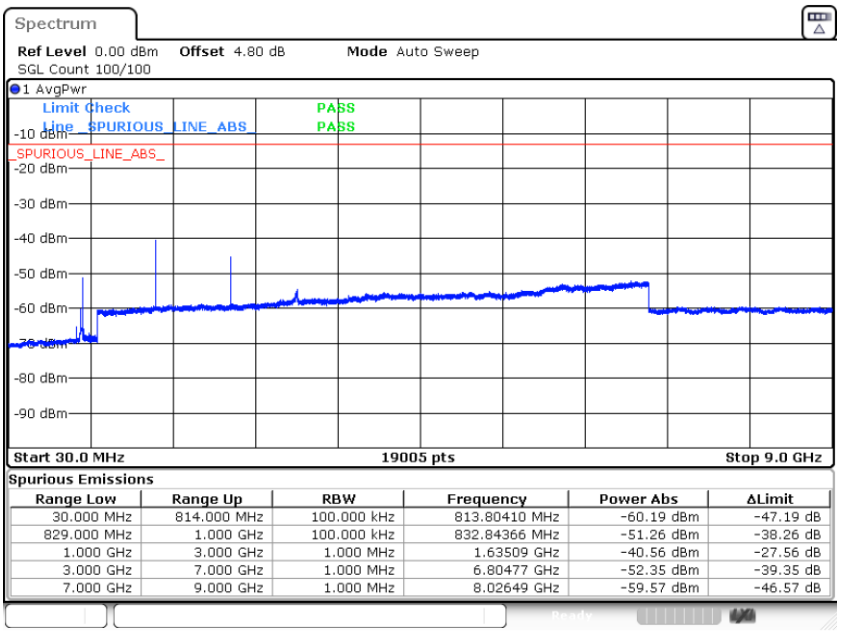
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-36.19 dBm	-23.19 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.96454 MHz	-67.24 dBm	-54.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62959 GHz	-39.12 dBm	-26.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88076 GHz	-52.33 dBm	-39.33 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00150 GHz	-59.57 dBm	-46.57 dB

Date: 24.NOV.2024 20:01:29

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	-60.19 dBm	-47.19 dB
829.000 MHz	1.000 GHz	100.000 kHz	832.84366 MHz	-51.26 dBm	-38.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63509 GHz	-40.56 dBm	-27.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80477 GHz	-52.35 dBm	-39.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.02649 GHz	-59.57 dBm	-46.57 dB

Date: 24.NOV.2024 20:23:43

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	0.0026	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0036	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage =4.0V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 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 :	Jake	Temperature :	23~25℃
		Relative Humidity :	51~53%

LTE Band 26 / 5MHz / QPSK								
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)
Lowest	1632	-65.11	-13	-52.11	-72.08	1.58	10.70	H
	2440	-61.47	-13	-48.47	-69.72	2.102	12.50	H
	3256	-59.90	-13	-46.90	-68.79	2.856	13.90	H
	1632	-64.72	-13	-51.72	-71.69	1.58	10.70	V
	2440	-59.97	-13	-46.97	-68.22	2.10	12.50	V
	3256	-59.88	-13	-46.88	-68.77	2.86	13.90	V
Middle	1632	-65.47	-13	-52.47	-72.44	1.58	10.70	H
	2448	-61.30	-13	-48.30	-69.55	2.102	12.50	H
	3264	-60.03	-13	-47.03	-68.92	2.856	13.90	H
	1632	-64.61	-13	-51.61	-71.58	1.58	10.70	V
	2448	-59.91	-13	-46.91	-68.16	2.10	12.50	V
	3264	-59.84	-13	-46.84	-68.73	2.86	13.90	V
Highest	1640	-65.44	-13	-52.44	-72.41	1.58	10.70	H
	2456	-61.91	-13	-48.91	-70.16	2.102	12.50	H
	3280	-59.84	-13	-46.84	-68.73	2.856	13.90	H
	1640	-64.35	-13	-51.35	-71.32	1.58	10.70	V
	2456	-59.66	-13	-46.66	-67.91	2.10	12.50	V
	3280	-59.94	-13	-46.94	-68.83	2.86	13.90	V

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

LTE Band 26 / 10MHz / QPSK								
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	-65.43	-13	-52.43	-72.40	1.58	10.70	H
	2440	-61.45	-13	-48.45	-69.70	2.102	12.50	H
	3256	-59.84	-13	-46.84	-68.73	2.856	13.90	H
	1632	-64.64	-13	-51.64	-71.61	1.58	10.70	V
	2440	-60.24	-13	-47.24	-68.49	2.10	12.50	V
	3256	-59.93	-13	-46.93	-68.82	2.86	13.90	V

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