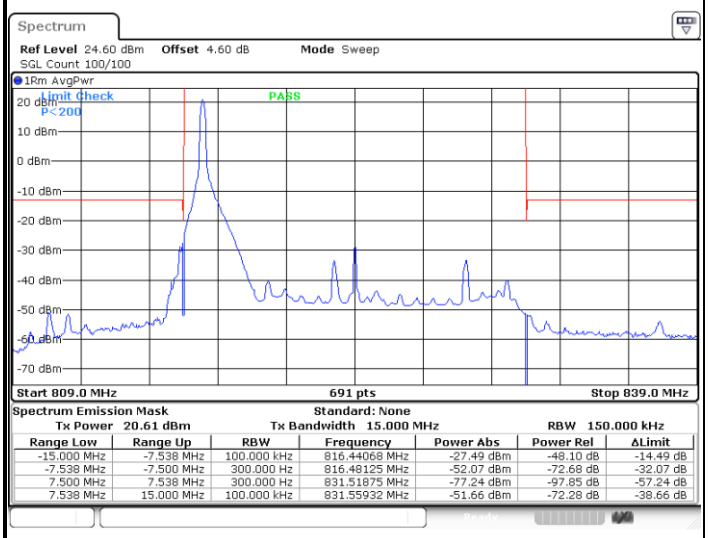
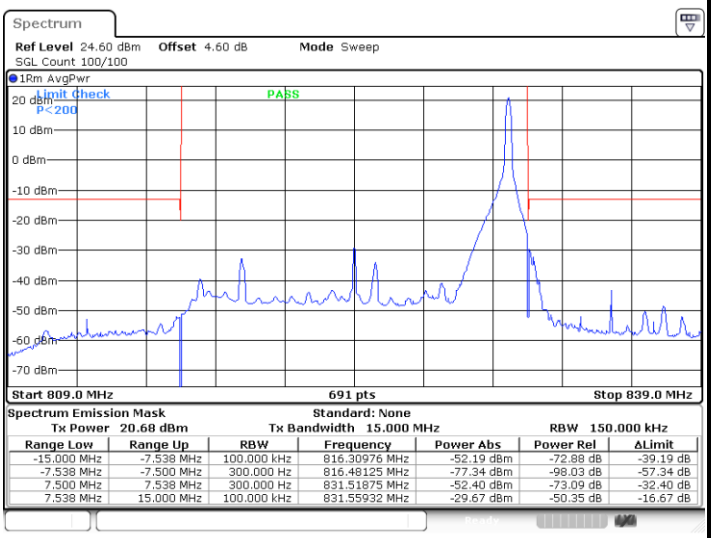
LTE Band 26 / 15MHz / 16QAM

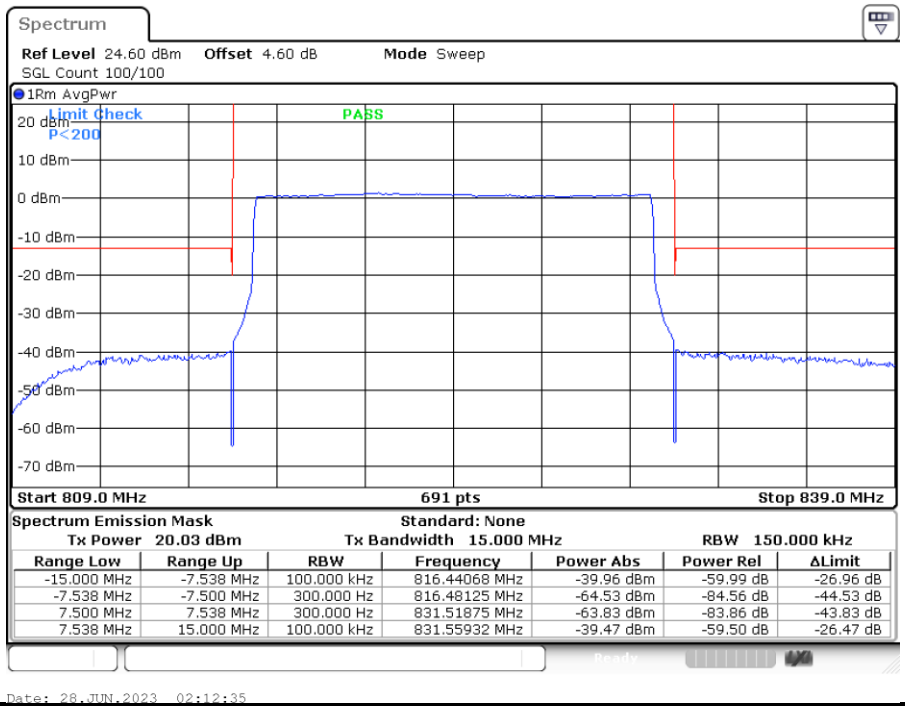
Highest Band Edge / 1 RB



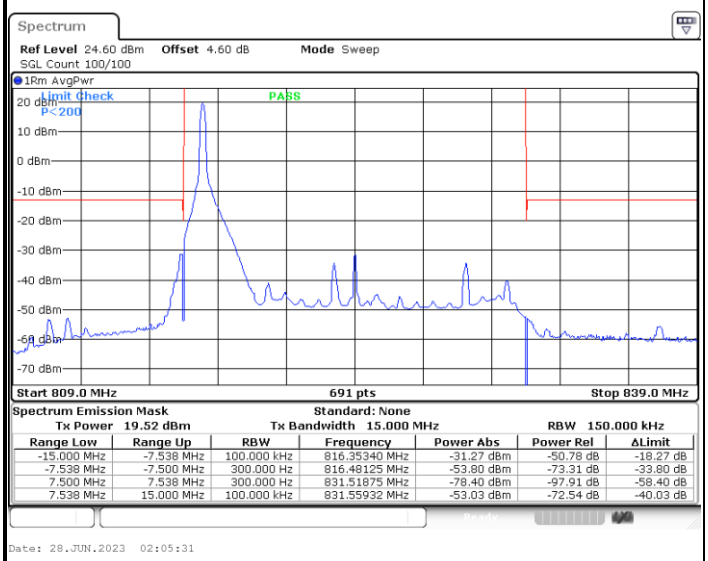
Highest Band Edge / 1 RB max

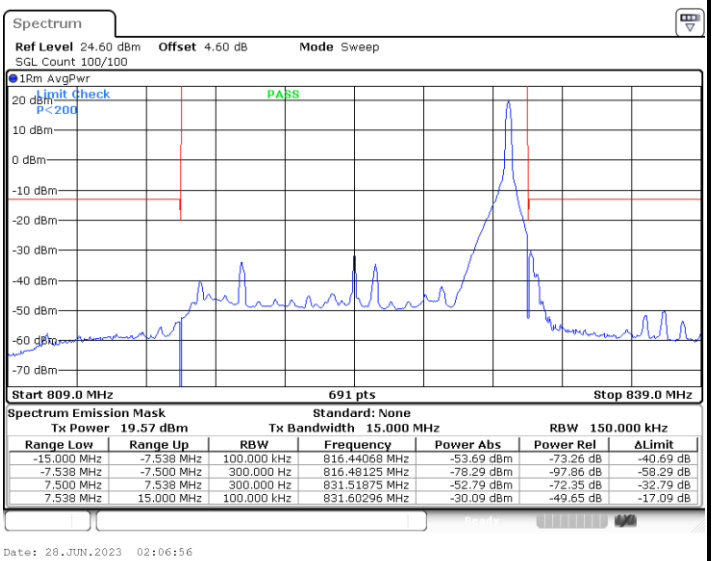


Band Edge / Full RB

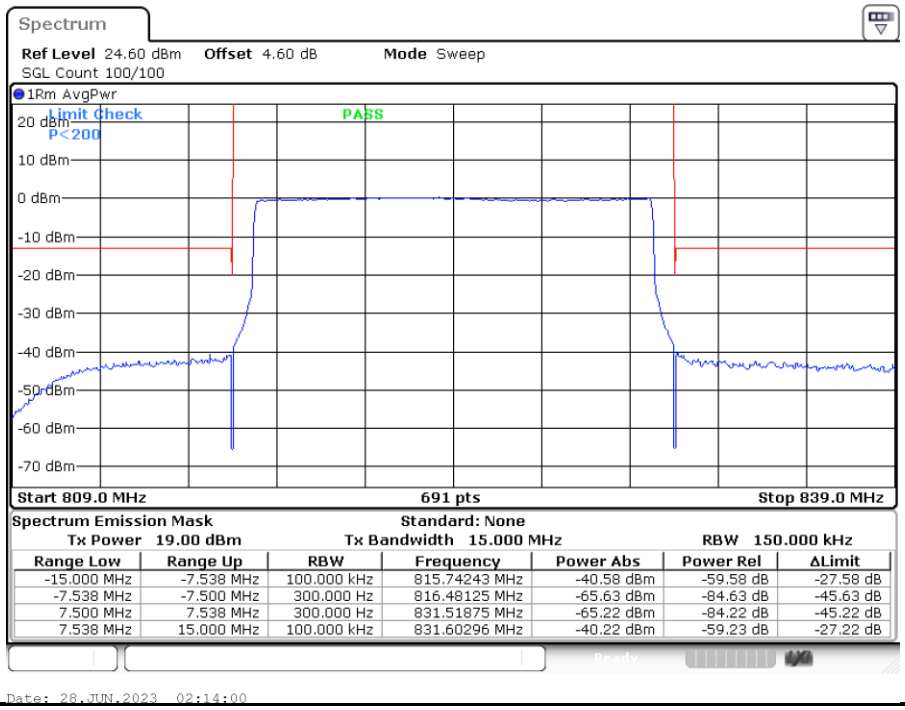


LTE Band 26 / 15MHz / 64QAM	
Highest Band Edge / 1 RB	**Highest Band Edge / 1 RB max**



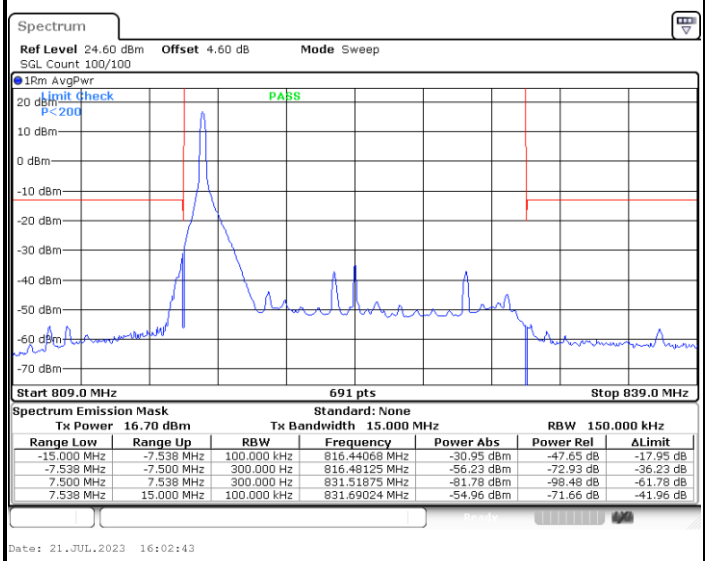


Band Edge / Full RB

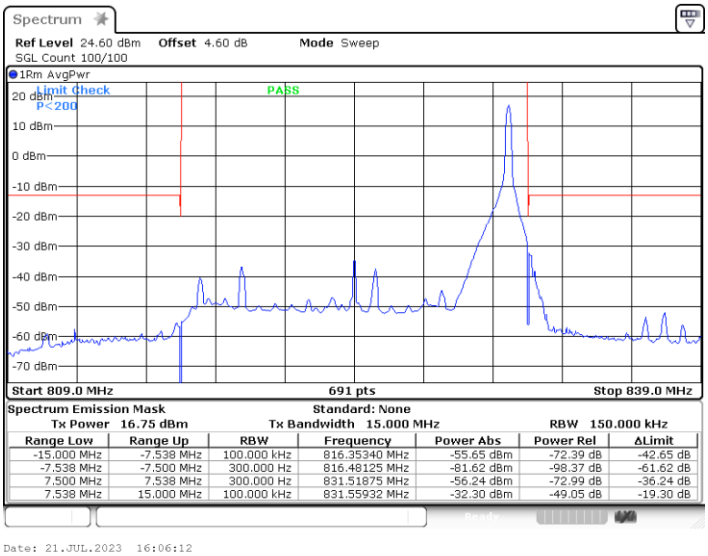


LTE Band 26 / 15MHz / 256QAM

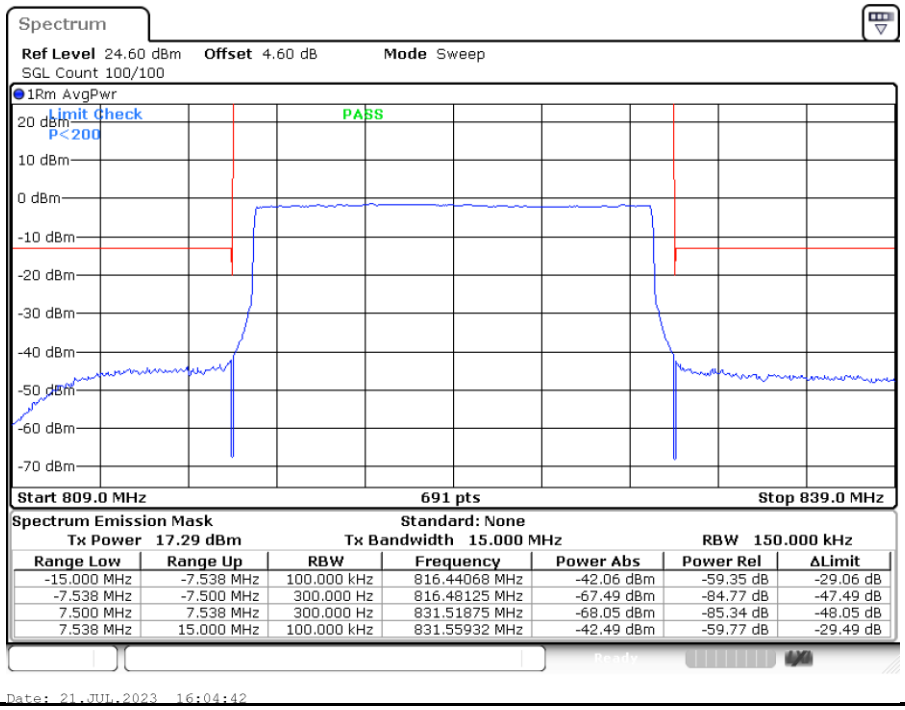
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max



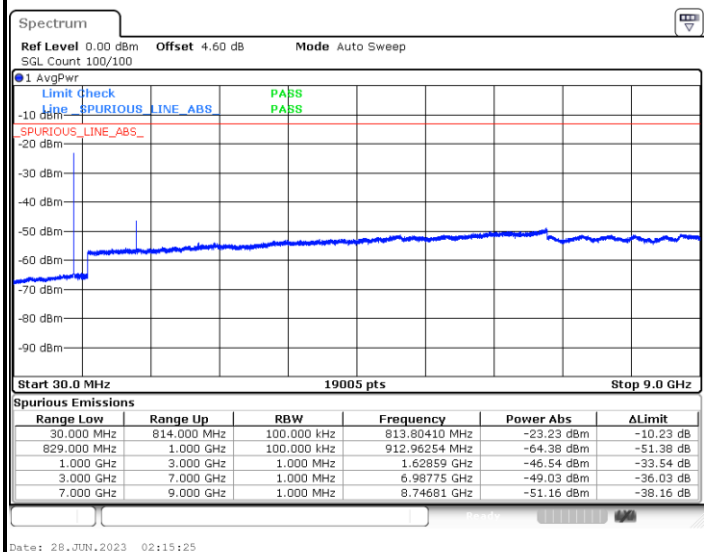
Band Edge / Full RB



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	-23.23 dBm	-10.23 dB
829.000 MHz	1.000 GHz	100.000 kHz	912.96254 MHz	-64.38 dBm	-51.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-46.54 dBm	-33.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-49.03 dBm	-36.03 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.74681 GHz	-51.16 dBm	-38.16 dB

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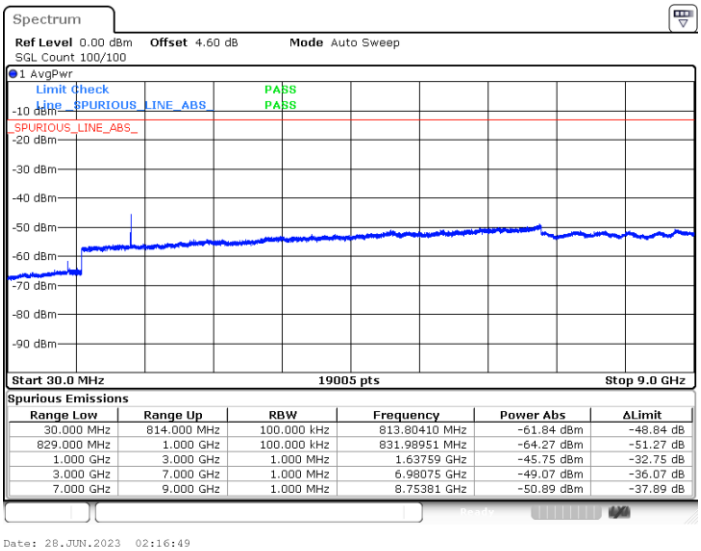
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-61.84 dBm	-48.84 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.98951 MHz	-64.27 dBm	-51.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63759 GHz	-45.75 dBm	-32.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98075 GHz	-49.07 dBm	-36.07 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.75381 GHz	-50.89 dBm	-37.89 dB

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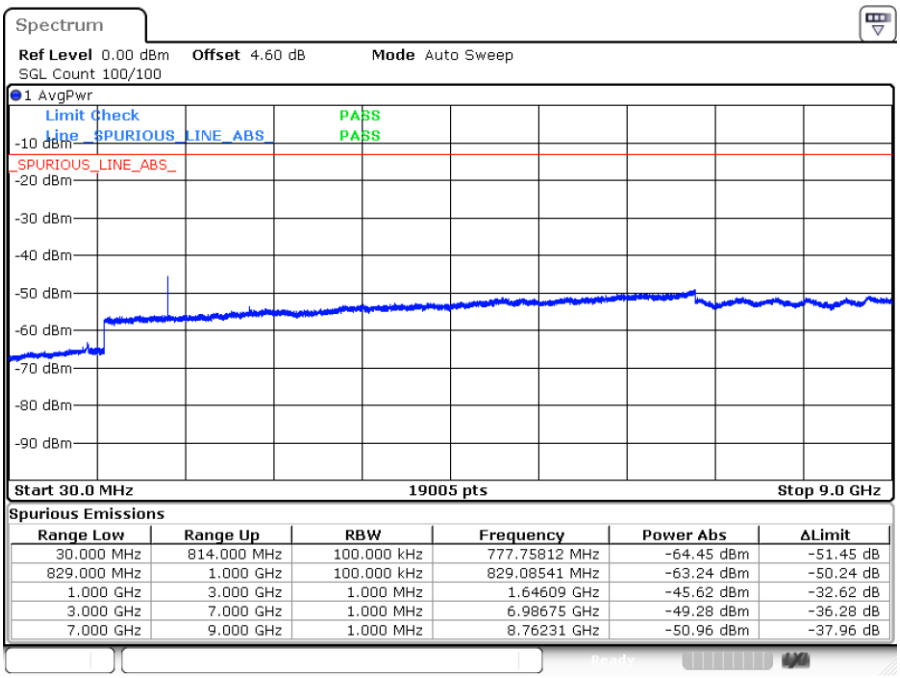
Highest Channel / QPSK



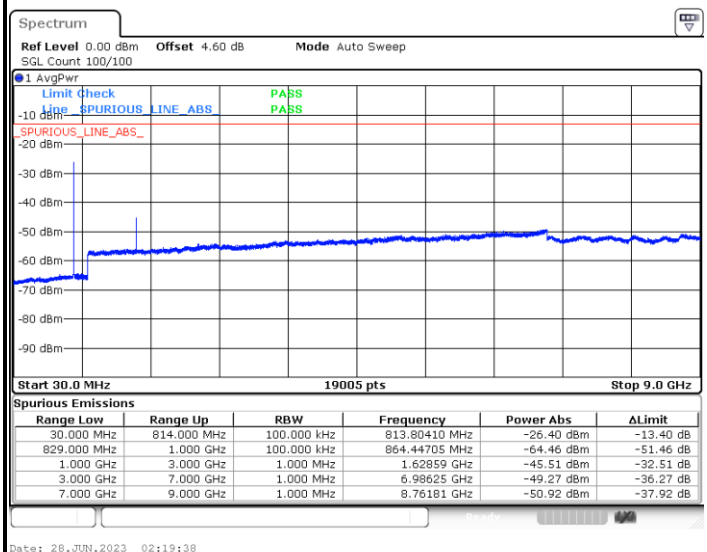
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	777.75812 MHz	-64.45 dBm	-51.45 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.08541 MHz	-63.24 dBm	-50.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64609 GHz	-45.62 dBm	-32.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-49.28 dBm	-36.28 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76231 GHz	-50.96 dBm	-37.96 dB

Date: 28.JUN.2023 02:18:13

LTE Band 26 / 3MHz

Lowest Channel / QPSK

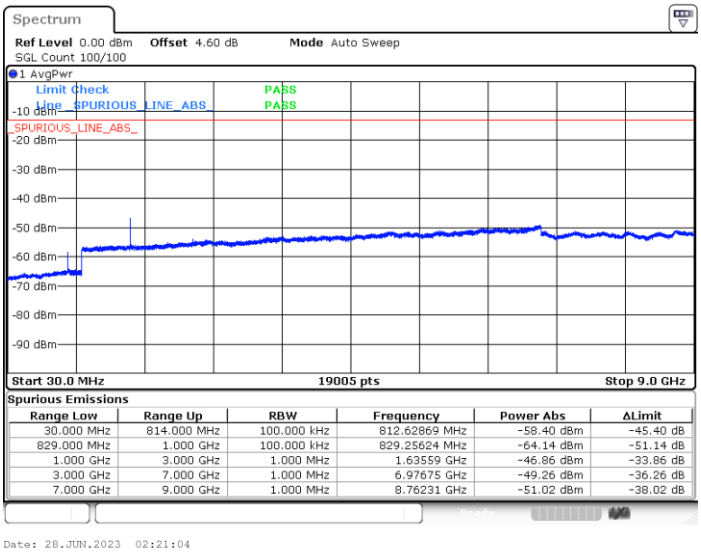


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-26.40 dBm	-13.40 dB
829.000 MHz	1.000 GHz	100.000 kHz	864.44705 MHz	-64.46 dBm	-51.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-45.51 dBm	-32.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98625 GHz	-49.27 dBm	-36.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76181 GHz	-50.92 dBm	-37.92 dB

Date: 28.JUN.2023 02:19:38

Middle Channel / QPSK

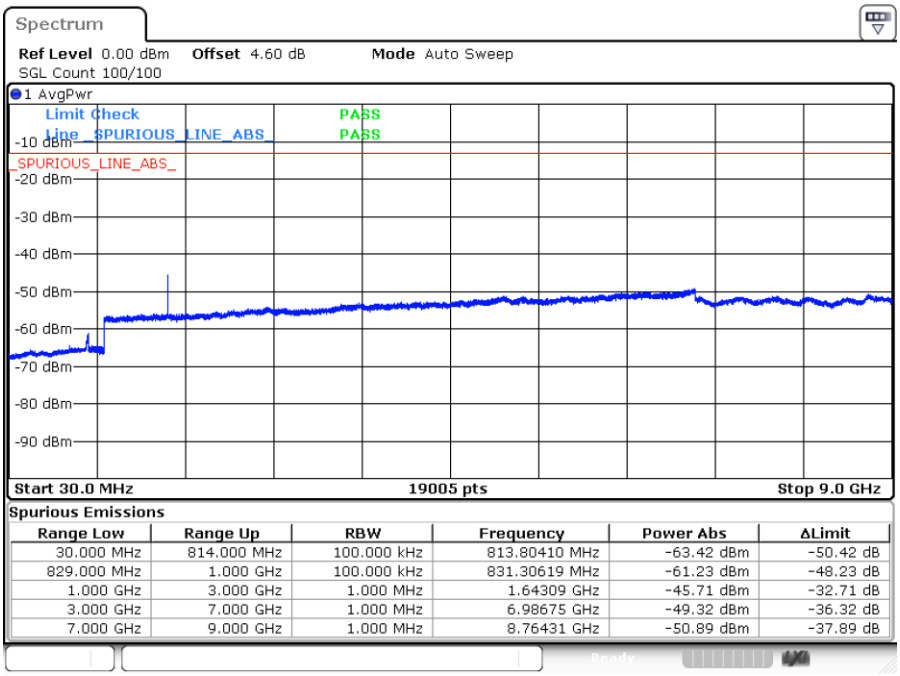


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	812.62869 MHz	-58.40 dBm	-45.40 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.25624 MHz	-64.14 dBm	-51.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63559 GHz	-46.86 dBm	-33.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97675 GHz	-49.26 dBm	-36.26 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76231 GHz	-51.02 dBm	-38.02 dB

Date: 28.JUN.2023 02:21:04

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	-63.42 dBm	-50.42 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.30619 MHz	-61.23 dBm	-48.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64309 GHz	-45.71 dBm	-32.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-49.32 dBm	-36.32 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76431 GHz	-50.89 dBm	-37.89 dB

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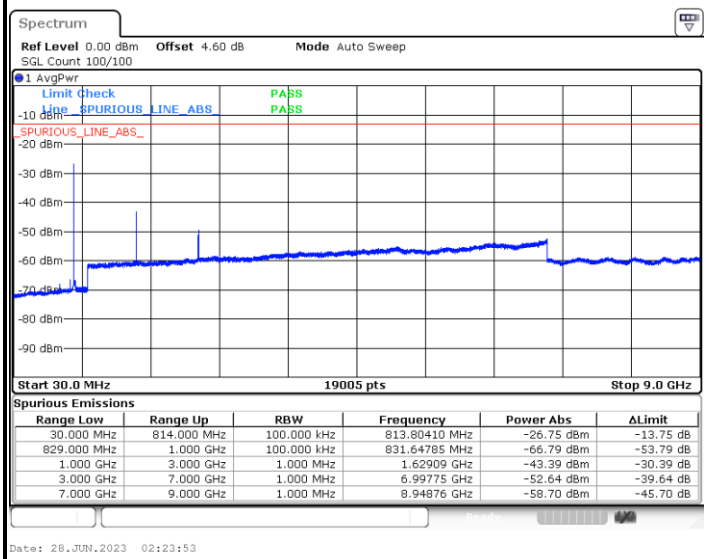
LTE Band 26 / 5MHz

Lowest Channel / QPSK

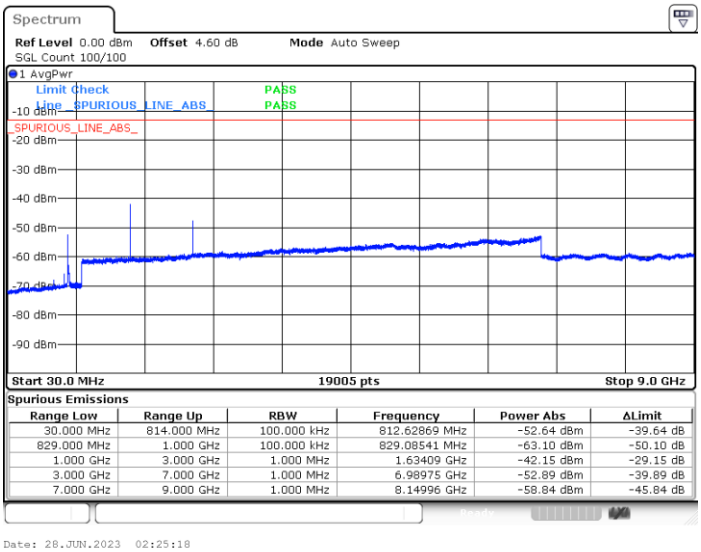


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-26.75 dBm	-13.75 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.64785 MHz	-66.79 dBm	-53.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-43.39 dBm	-30.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99775 GHz	-52.64 dBm	-39.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94876 GHz	-58.70 dBm	-45.70 dB

Date: 28.JUN.2023 02:23:53

Middle Channel / QPSK

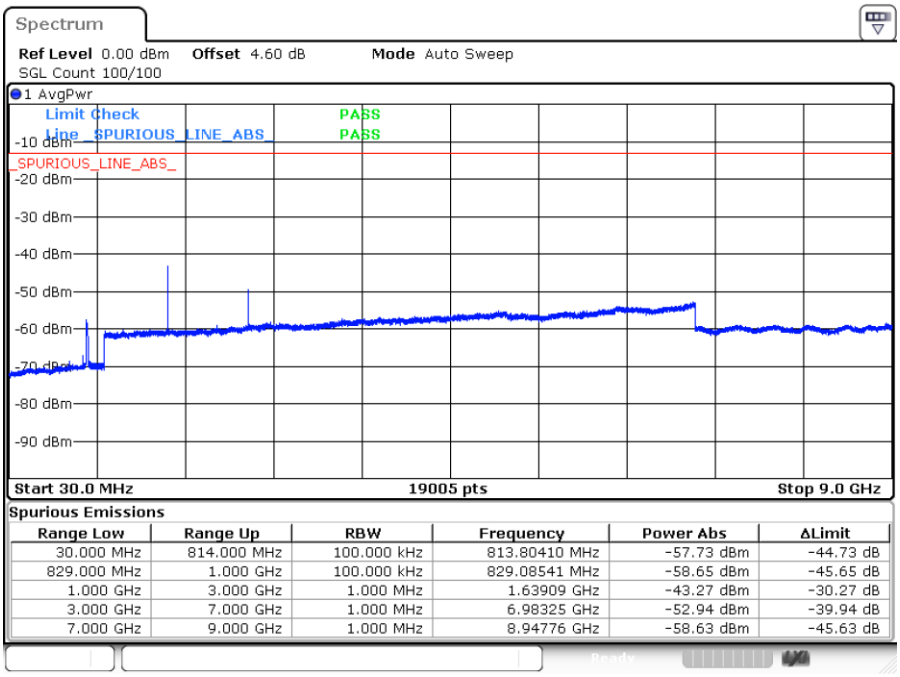


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	812.62869 MHz	-52.64 dBm	-39.64 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.08541 MHz	-63.10 dBm	-50.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-42.15 dBm	-29.15 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-52.89 dBm	-39.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.14996 GHz	-58.84 dBm	-45.84 dB

Date: 28.JUN.2023 02:25:18

Highest Channel / QPSK



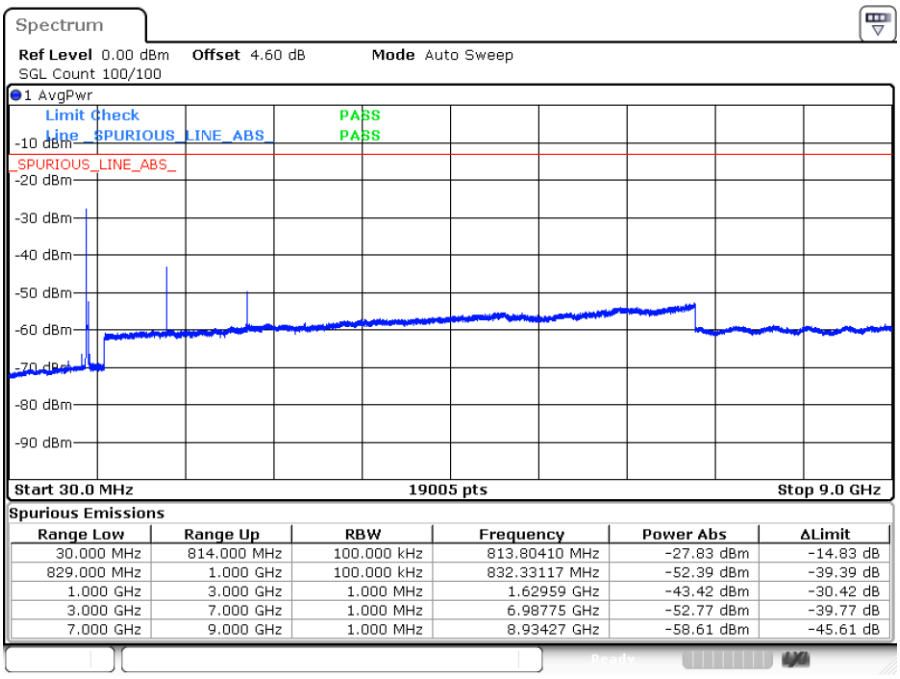
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-57.73 dBm	-44.73 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.08541 MHz	-58.65 dBm	-45.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63909 GHz	-43.27 dBm	-30.27 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98325 GHz	-52.94 dBm	-39.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94776 GHz	-58.63 dBm	-45.63 dB

Date: 28.JUN.2023 02:26:42

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	-27.83 dBm	-14.83 dB
829.000 MHz	1.000 GHz	100.000 kHz	832.33117 MHz	-52.39 dBm	-39.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62959 GHz	-43.42 dBm	-30.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98775 GHz	-52.77 dBm	-39.77 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93427 GHz	-58.61 dBm	-45.61 dB

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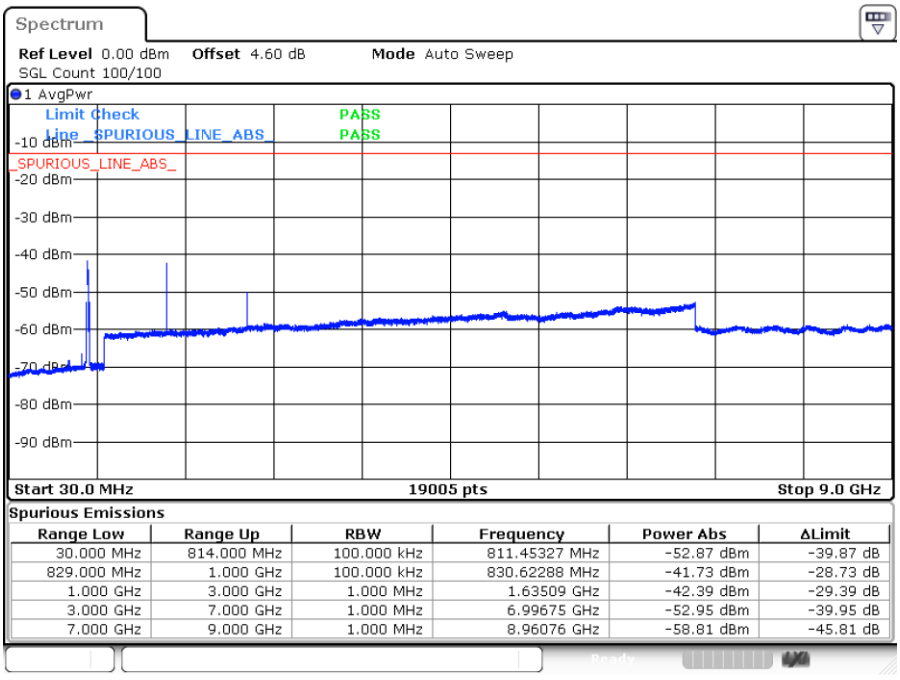
LTE Band 26 / 15MHz

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	811.45327 MHz	-52.87 dBm	-39.87 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.62288 MHz	-41.73 dBm	-28.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63509 GHz	-42.39 dBm	-29.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-52.95 dBm	-39.95 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.96076 GHz	-58.81 dBm	-45.81 dB

Date: 28.JUN.2023 02:29:31

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 =3.91 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.5 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 :	Chris Chen	Temperature :	23~25℃
		Relative Humidity :	41~42%

RSE pretest all the supported antennas, only the worst antenna perform final test and record in the report.

LTE Band 26 / 10MHz / QPSK ANT0								
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	-72.32	-13	-59.32	-79.29	1.58	10.70	H
	2440	-68.70	-13	-55.70	-76.95	2.102	12.50	H
	3256	-67.85	-13	-54.85	-76.74	2.856	13.90	H
	1632	-71.40	-13	-58.40	-78.37	1.58	10.70	V
	2440	-68.96	-13	-55.96	-77.21	2.10	12.50	V
	3256	-67.67	-13	-54.67	-76.56	2.86	13.90	V

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