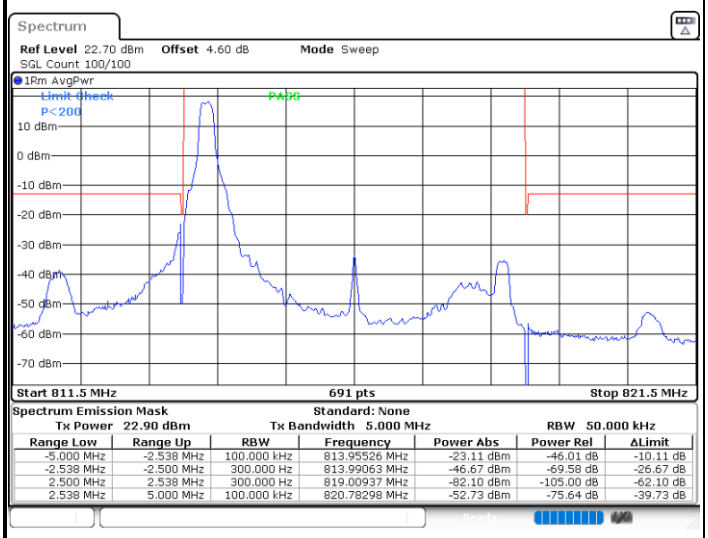
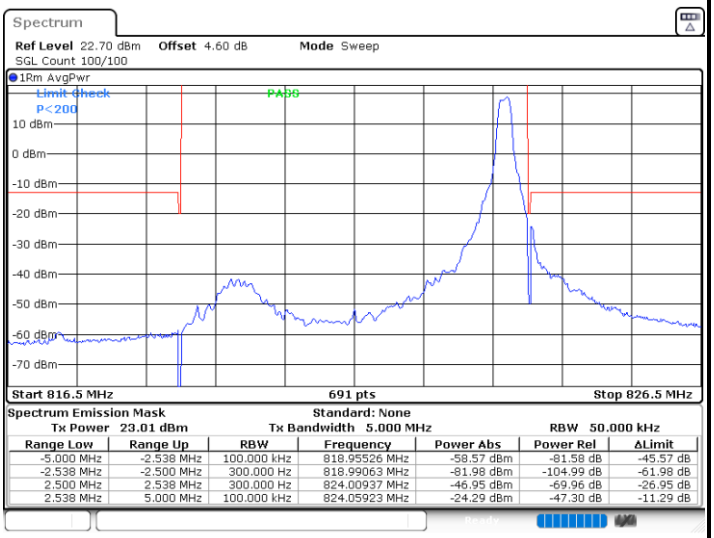
LTE Band 26 / 5MHz / QPSK

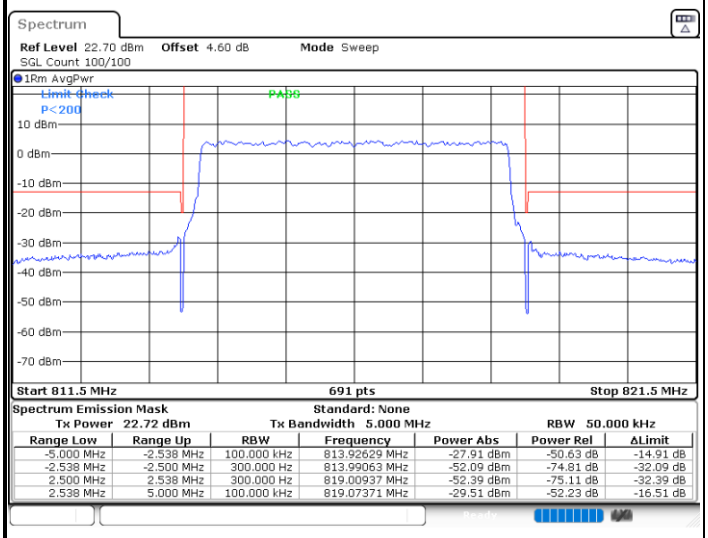
Lowest Band Edge / 1 RB



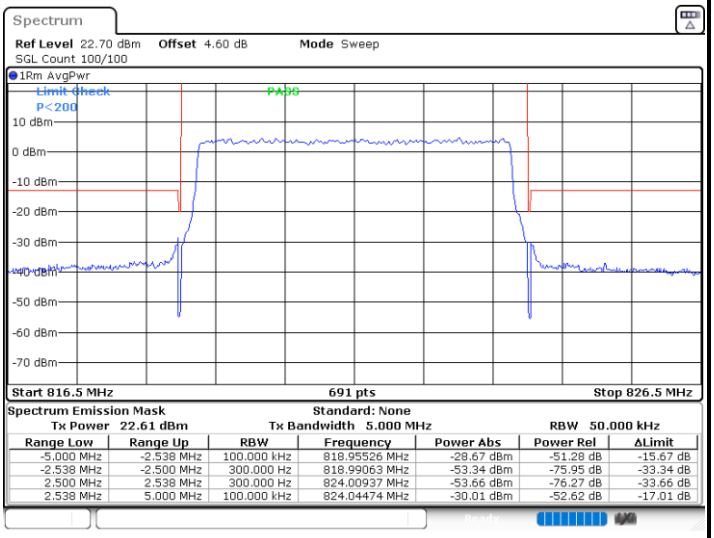
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

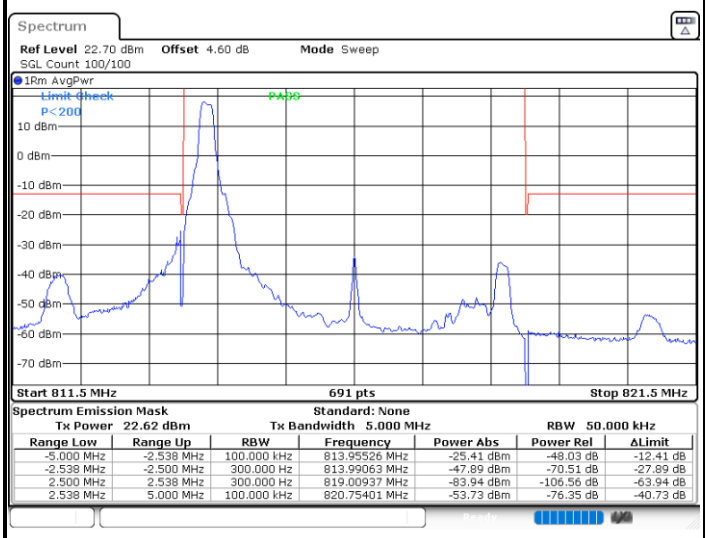


Highest Band Edge / Full RB



LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Spectrum Emission Mask — Standard: None
Tx Power 22.62 dBm | Tx Bandwidth 5.000 MHz | RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	813.95526 MHz	-25.41 dBm	-48.03 dB	-12.41 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99063 MHz	-47.89 dBm	-70.51 dB	-27.89 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00937 MHz	-83.94 dBm	-106.56 dB	-63.94 dB
2.538 MHz	5.000 MHz	100.000 kHz	820.75401 MHz	-53.73 dBm	-76.35 dB	-40.73 dB

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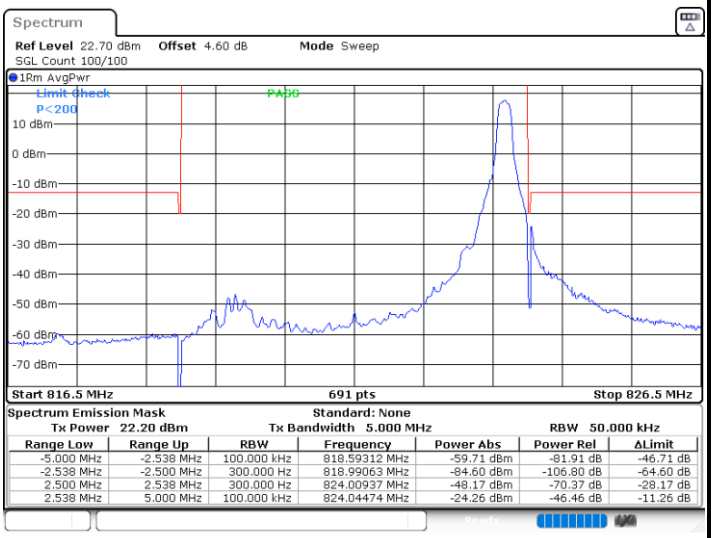
Highest Band Edge / 1 RB

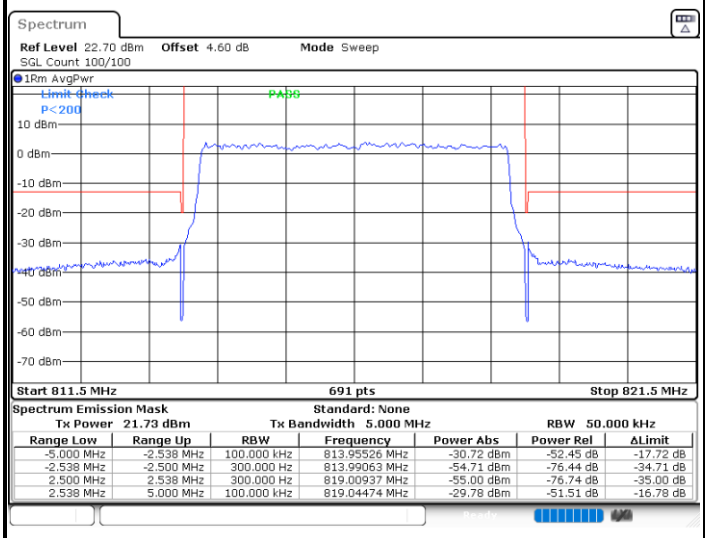


Spectrum Emission Mask — Standard: None
Tx Power 22.20 dBm | Tx Bandwidth 5.000 MHz | RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	818.59312 MHz	-59.71 dBm	-81.91 dB	-46.71 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.99063 MHz	-84.60 dBm	-106.80 dB	-64.60 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00937 MHz	-48.17 dBm	-70.37 dB	-28.17 dB
2.538 MHz	5.000 MHz	100.000 kHz	824.04474 MHz	-24.26 dBm	-46.46 dB	-11.26 dB

Date: 24.FEB.2023 13:18:55

Lowest Band Edge / Full RB

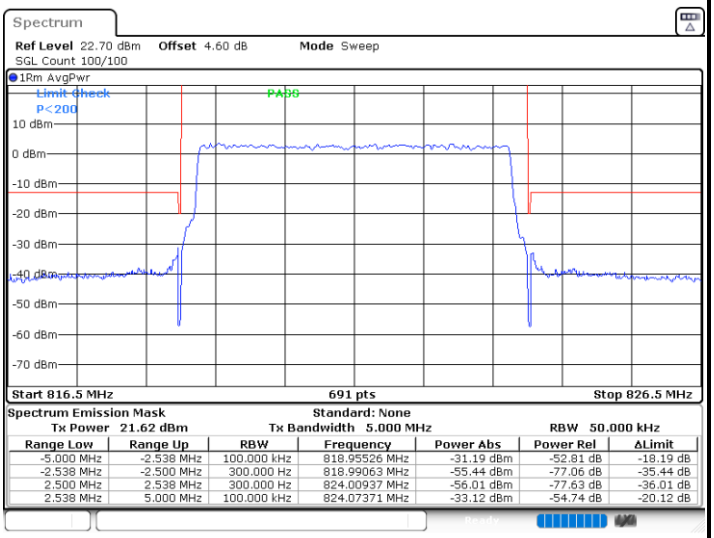


Spectrum Emission Mask — Standard: None
Tx Power 21.73 dBm | Tx Bandwidth 5.000 MHz | RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	813.95526 MHz	-30.72 dBm	-52.45 dB	-17.72 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99063 MHz	-54.71 dBm	-76.44 dB	-34.71 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00937 MHz	-55.00 dBm	-76.74 dB	-35.00 dB
2.538 MHz	5.000 MHz	100.000 kHz	819.04474 MHz	-29.78 dBm	-51.51 dB	-16.78 dB

Date: 24.FEB.2023 13:13:18

Highest Band Edge / Full RB



Spectrum Emission Mask — Standard: None
Tx Power 21.62 dBm | Tx Bandwidth 5.000 MHz | RBW 50.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	818.95526 MHz	-31.19 dBm	-52.81 dB	-18.19 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.99063 MHz	-55.44 dBm	-77.06 dB	-35.44 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00937 MHz	-56.01 dBm	-77.63 dB	-36.01 dB
2.538 MHz	5.000 MHz	100.000 kHz	824.07371 MHz	-33.12 dBm	-54.74 dB	-20.12 dB

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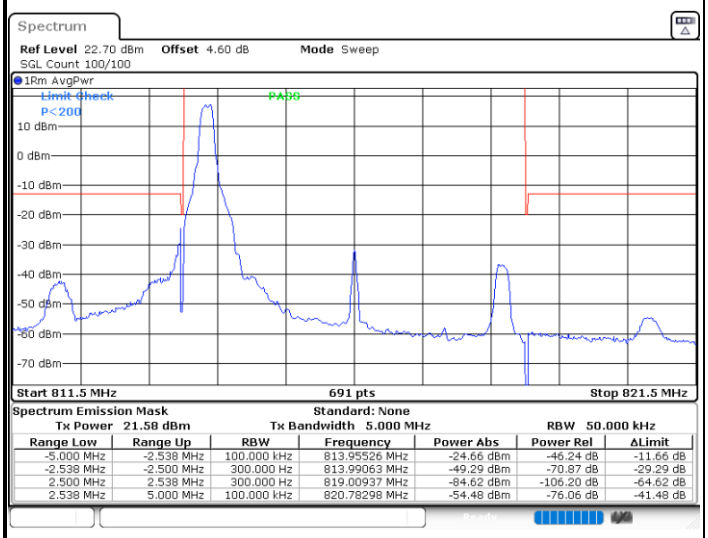
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	813.95526 MHz	-24.66 dBm	-46.24 dB	-11.66 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99063 MHz	-49.29 dBm	-70.87 dB	-29.29 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00937 MHz	-84.62 dBm	-106.20 dB	-64.62 dB
2.538 MHz	5.000 MHz	100.000 kHz	820.78298 MHz	-54.48 dBm	-76.06 dB	-41.48 dB

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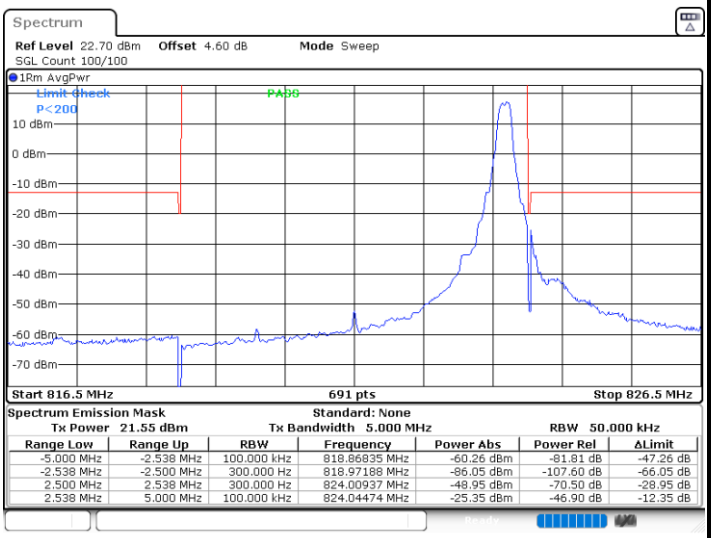
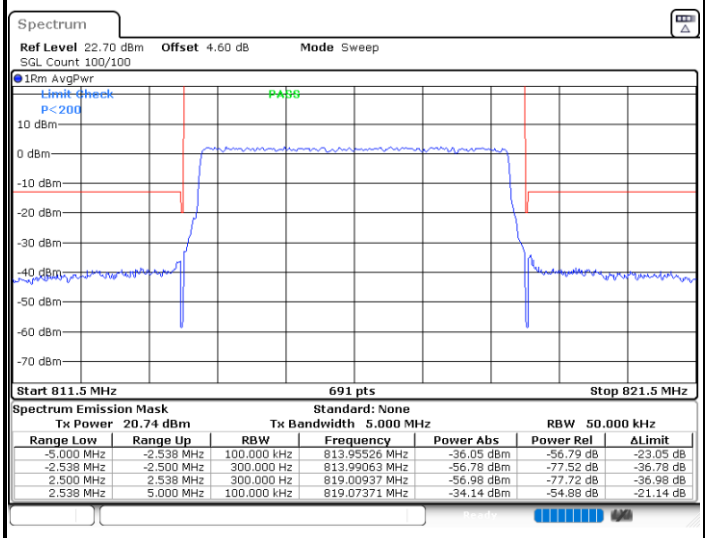
Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	818.86835 MHz	-60.26 dBm	-81.81 dB	-47.26 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.97188 MHz	-86.05 dBm	-107.60 dB	-66.05 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00937 MHz	-48.95 dBm	-70.50 dB	-28.95 dB
2.538 MHz	5.000 MHz	100.000 kHz	824.04474 MHz	-25.35 dBm	-46.90 dB	-12.35 dB

Date: 24.FEB.2023 13:19:45

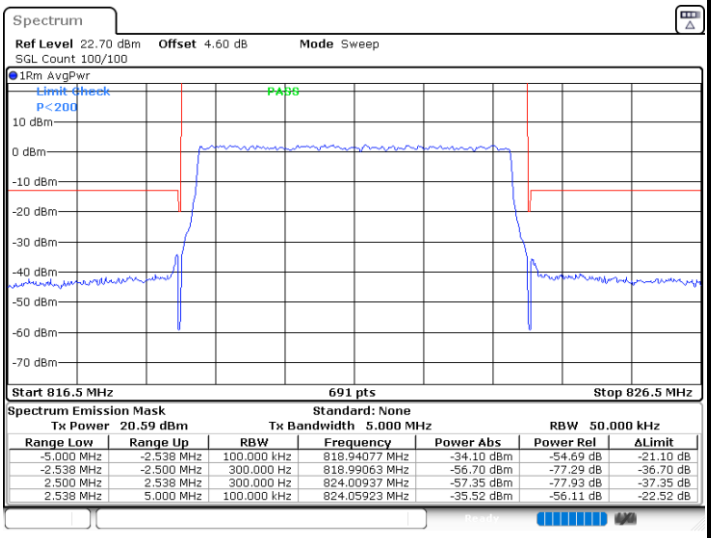
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	813.95526 MHz	-36.05 dBm	-56.79 dB	-23.05 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	813.99063 MHz	-56.78 dBm	-77.52 dB	-36.78 dB
2.500 MHz	2.538 MHz	300.000 Hz	819.00937 MHz	-56.98 dBm	-77.72 dB	-36.98 dB
2.538 MHz	5.000 MHz	100.000 kHz	819.07371 MHz	-34.14 dBm	-54.88 dB	-21.14 dB

Date: 24.FEB.2023 13:14:08

Highest Band Edge / Full RB

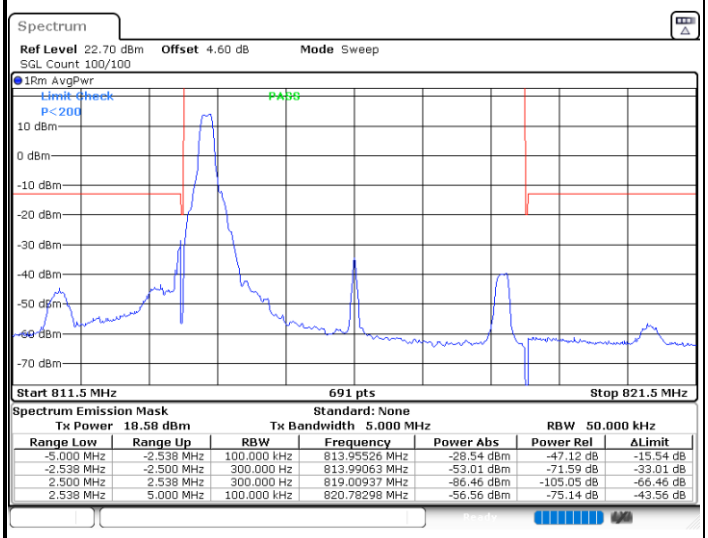


Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-5.000 MHz	-2.538 MHz	100.000 kHz	818.94077 MHz	-34.10 dBm	-54.69 dB	-21.10 dB
-2.538 MHz	-2.500 MHz	300.000 Hz	818.99063 MHz	-56.70 dBm	-77.29 dB	-36.70 dB
2.500 MHz	2.538 MHz	300.000 Hz	824.00937 MHz	-57.35 dBm	-77.93 dB	-37.35 dB
2.538 MHz	5.000 MHz	100.000 kHz	824.05923 MHz	-35.52 dBm	-56.11 dB	-22.52 dB

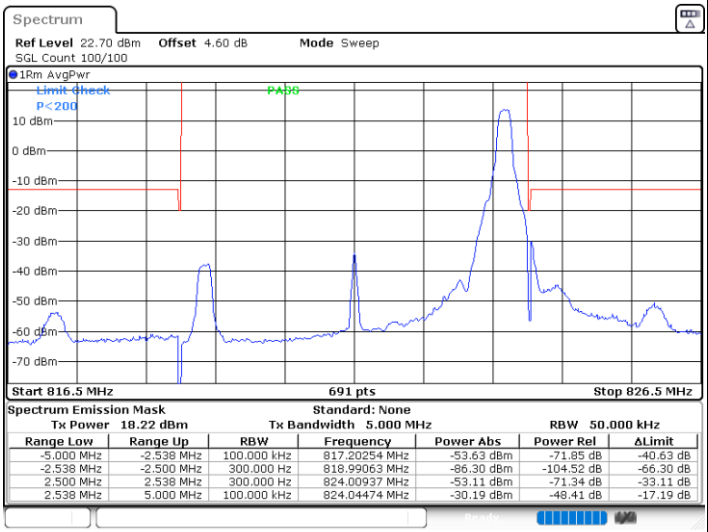
Date: 24.FEB.2023 13:23:04

LTE Band 26 / 5MHz / 256QAM

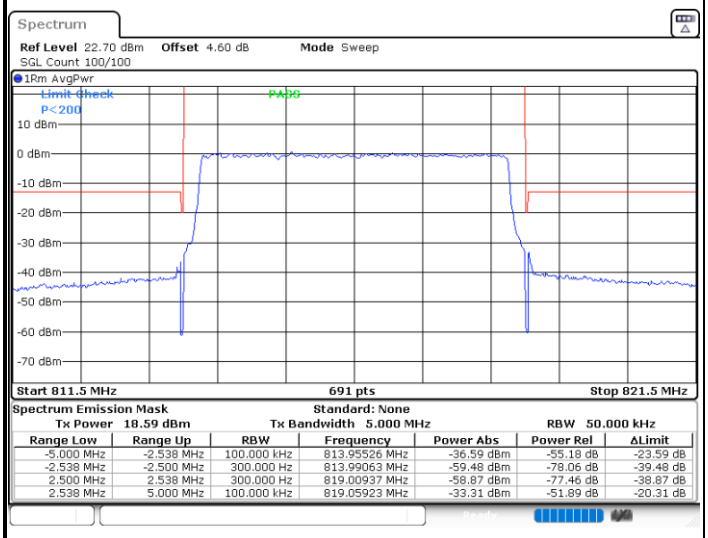
Lowest Band Edge / 1RB



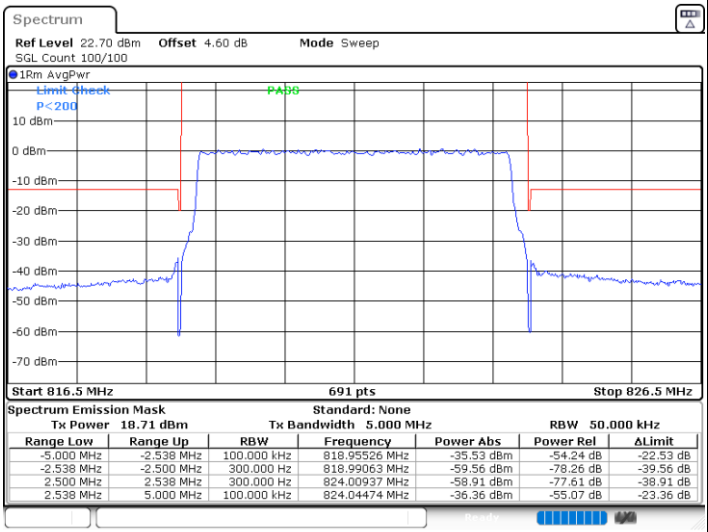
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

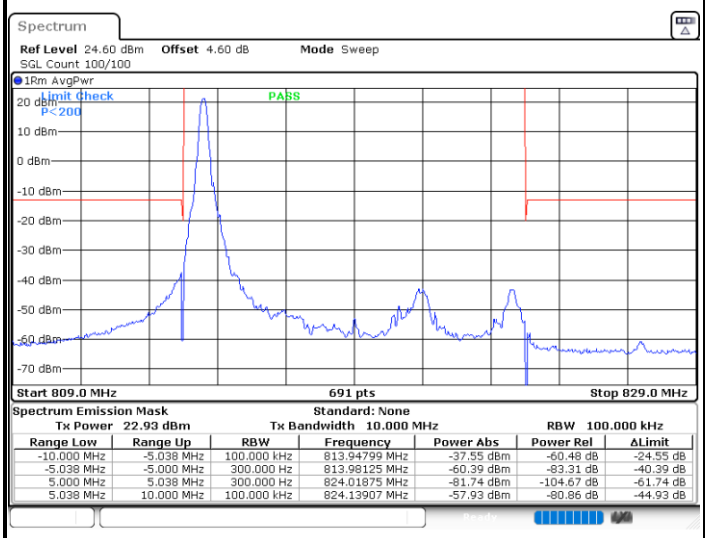


Highest Band Edge / Full RB

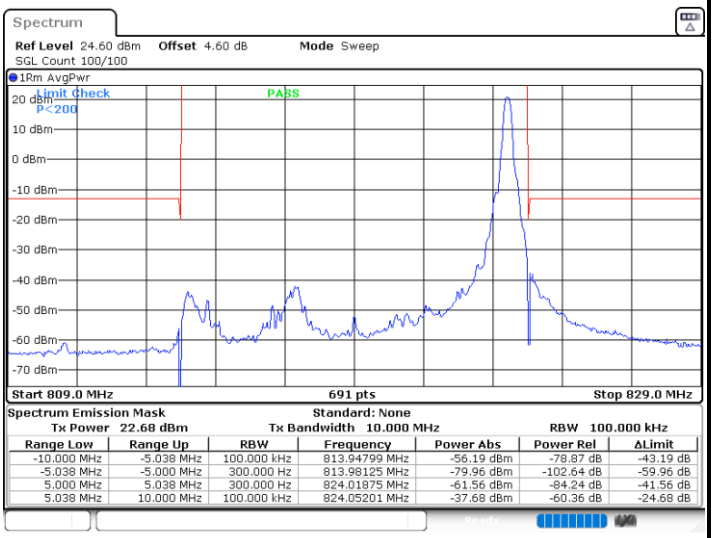


LTE Band 26 / 10MHz / QPSK

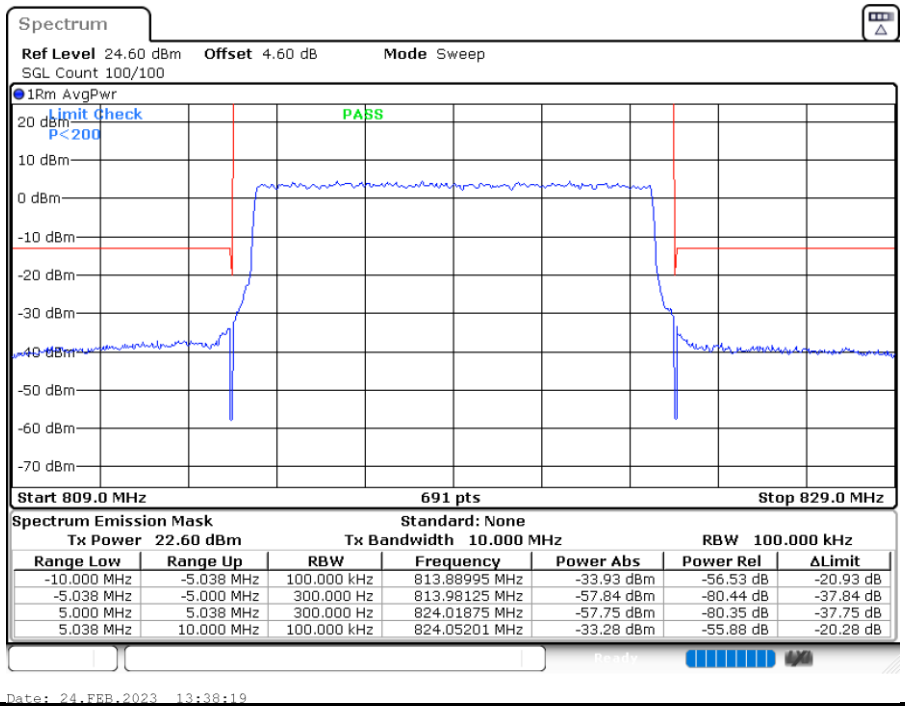
Middle Band Edge / 1 RB



Middle Band Edge / 1 RB max

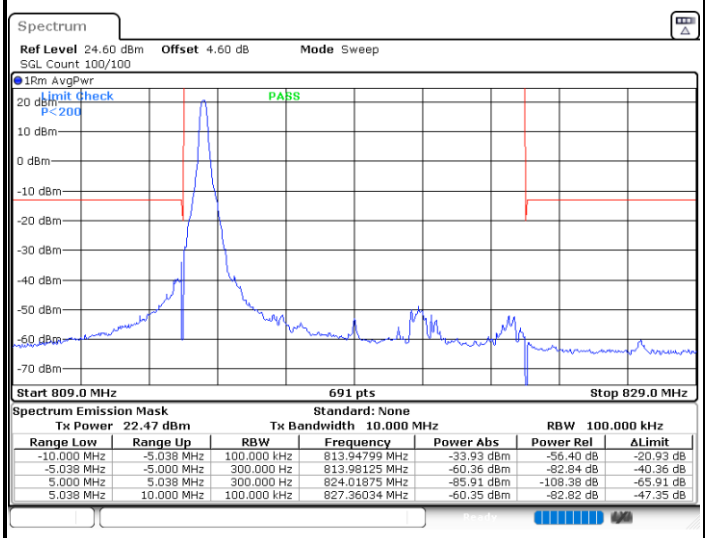


Band Edge / Full RB

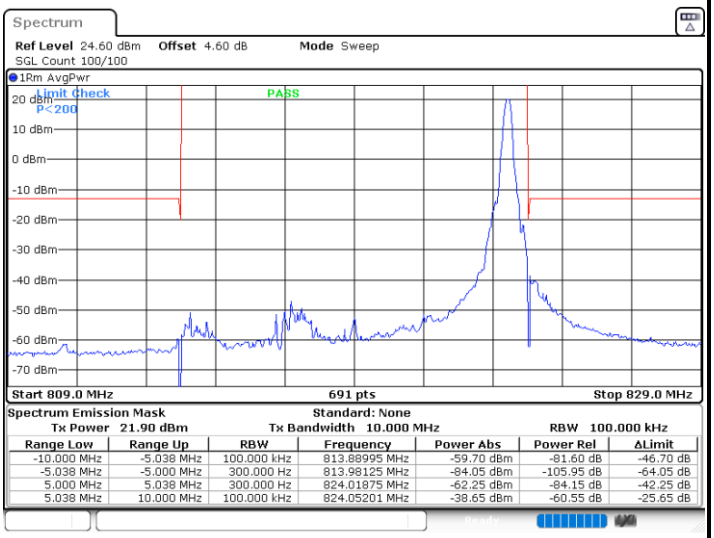


LTE Band 26 / 10MHz / 16QAM

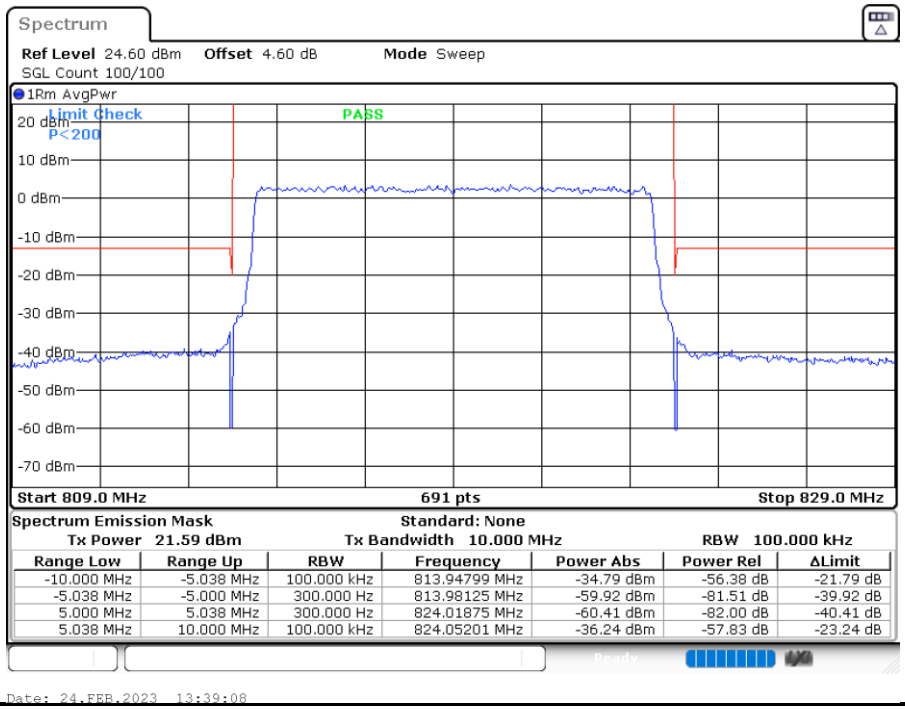
Middle Band Edge / 1 RB



Middle Band Edge / 1 RB max

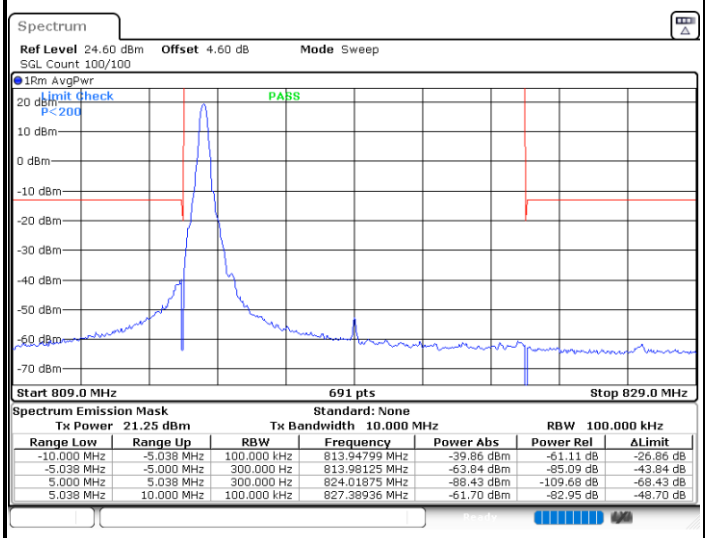


Band Edge / Full RB

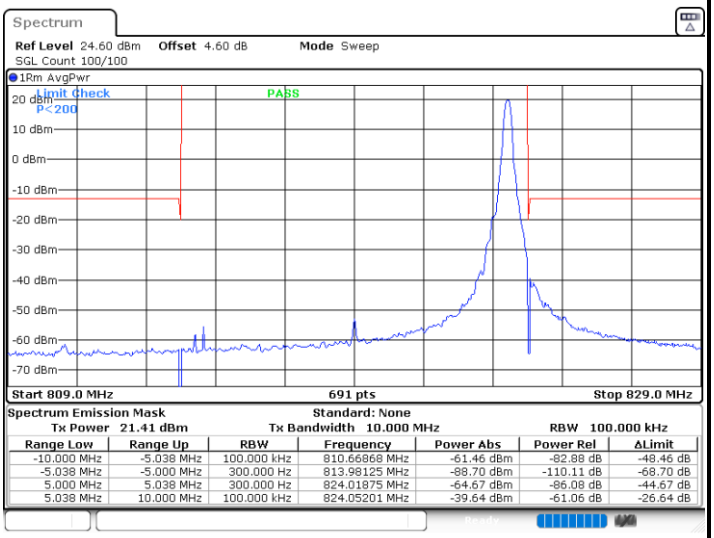


LTE Band 26 / 10MHz / 64QAM

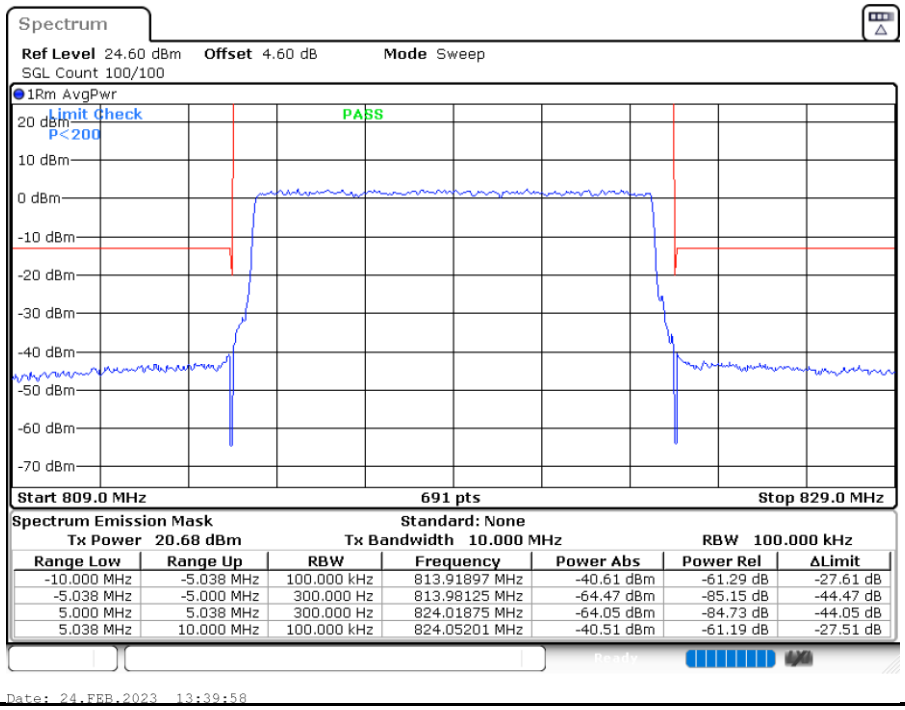
Middle Band Edge / 1 RB



Middle Band Edge / 1 RB max

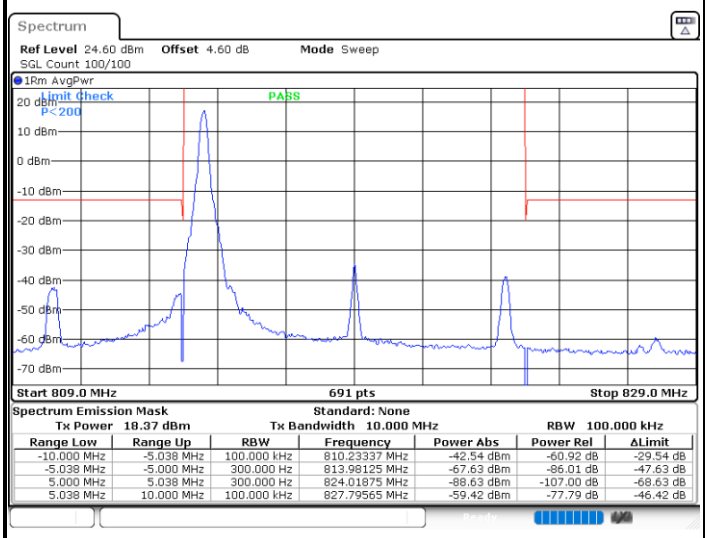


Band Edge / Full RB

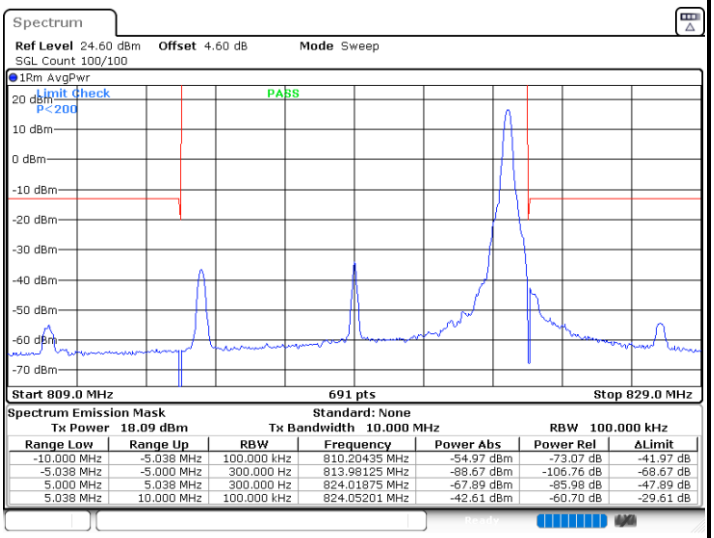


LTE Band 26 / 10MHz / 256QAM

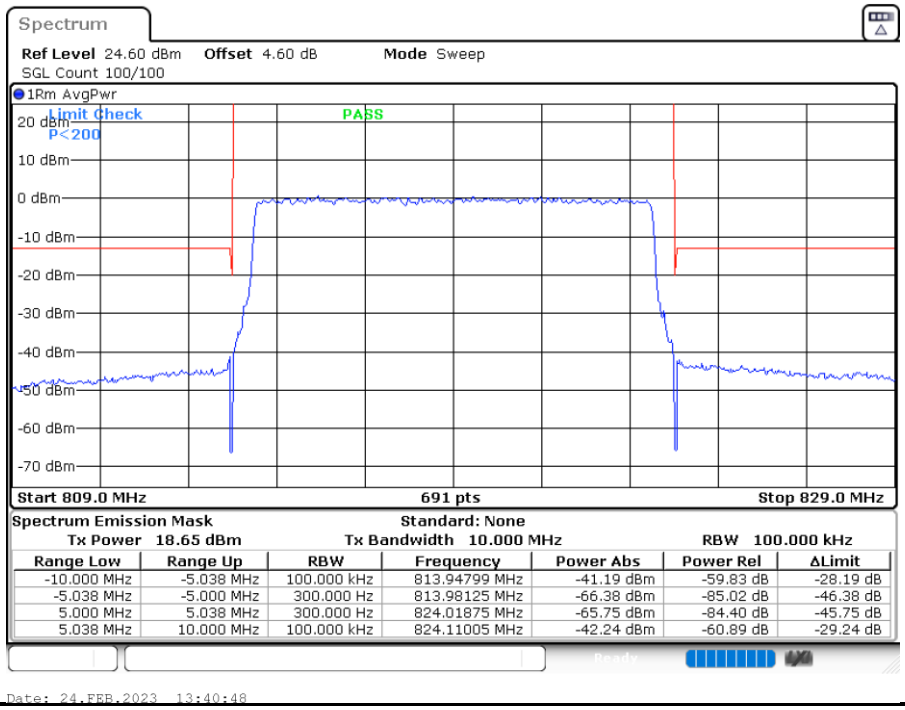
Middle Band Edge / 1 RB



Middle Band Edge / 1 RB max

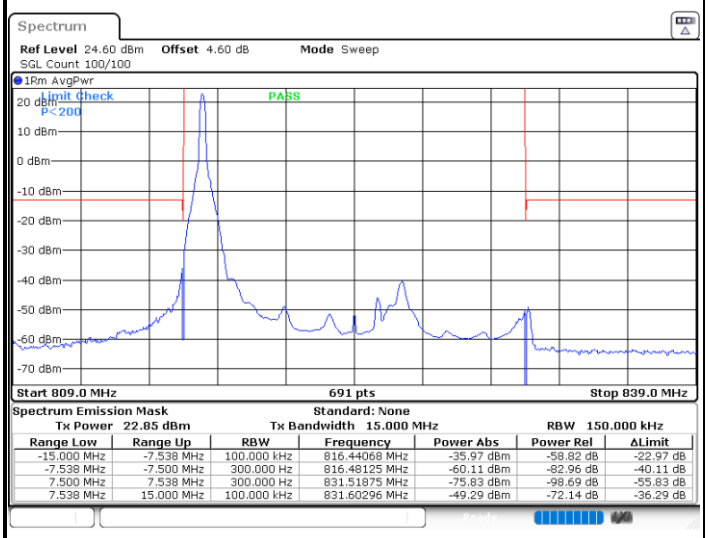


Band Edge / Full RB

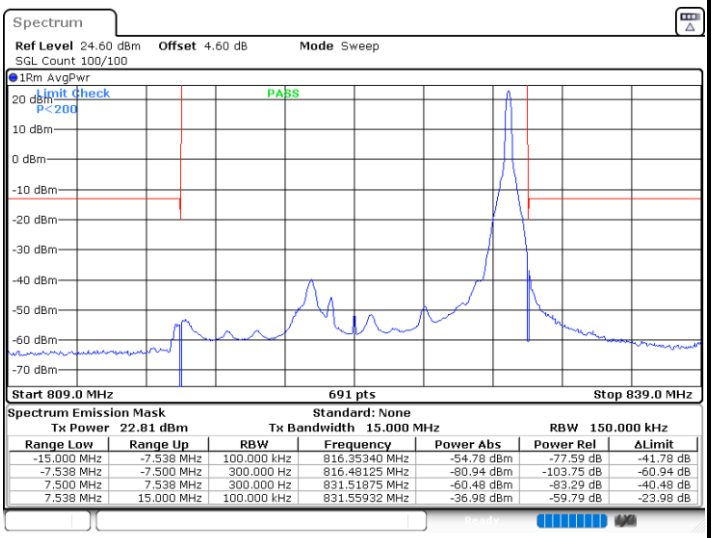


LTE Band 26 / 15MHz / QPSK

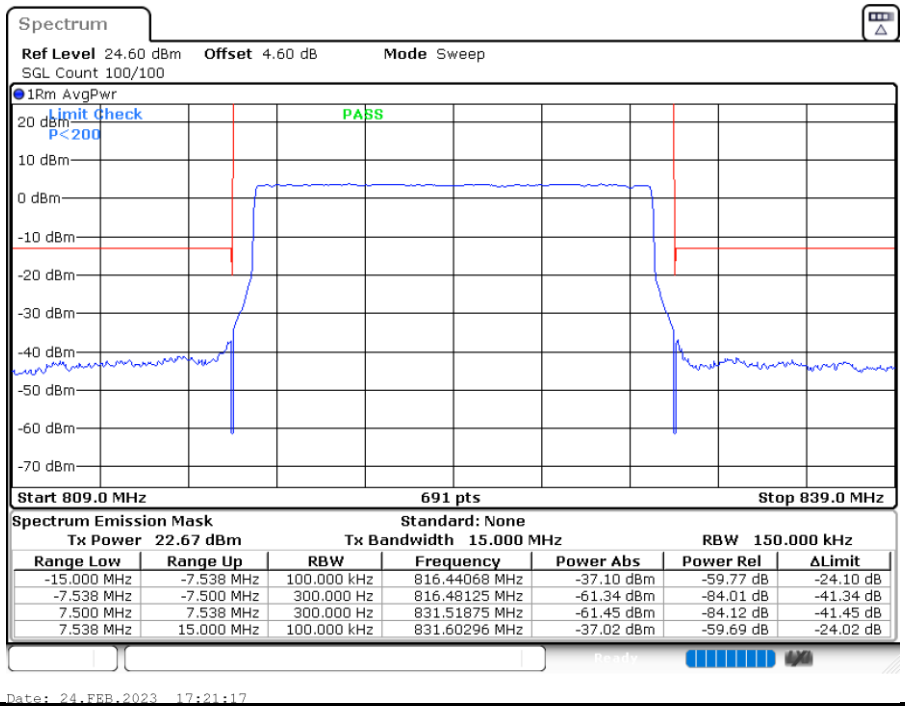
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max

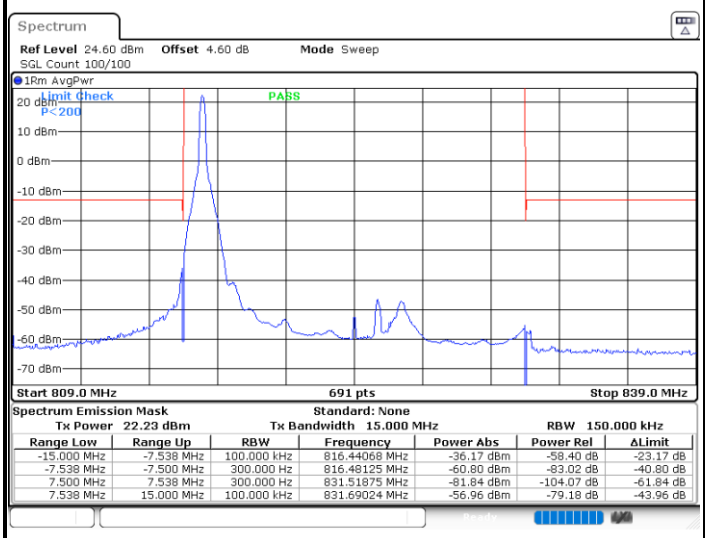


Band Edge / Full RB

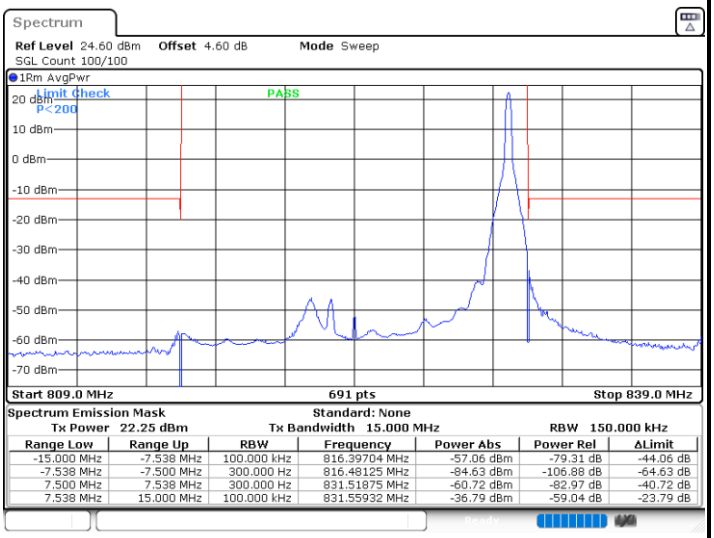


LTE Band 26 / 15MHz / 16QAM

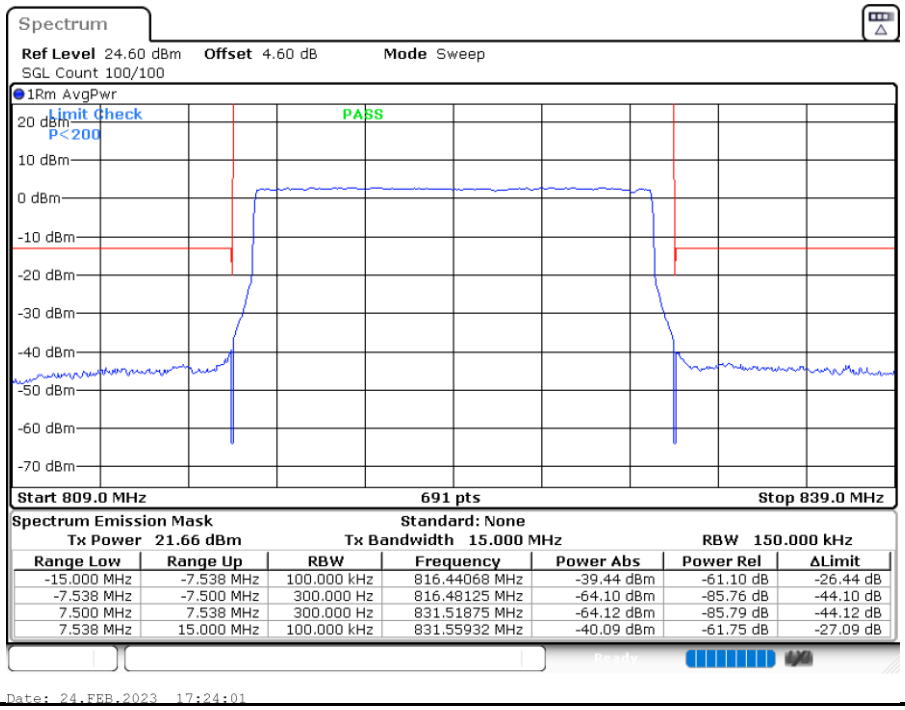
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max

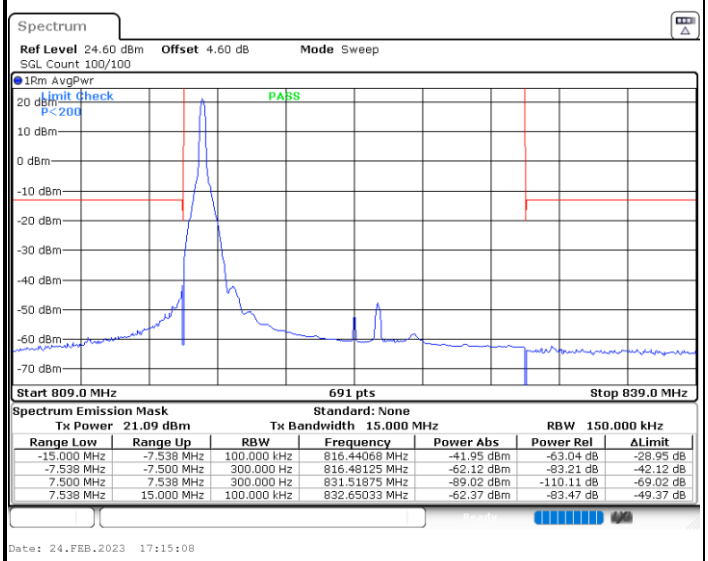


Band Edge / Full RB

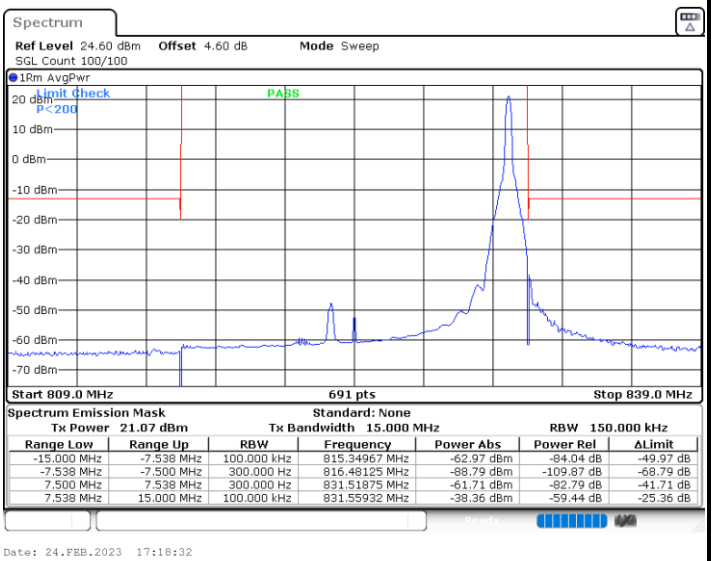


LTE Band 26 / 15MHz / 64QAM

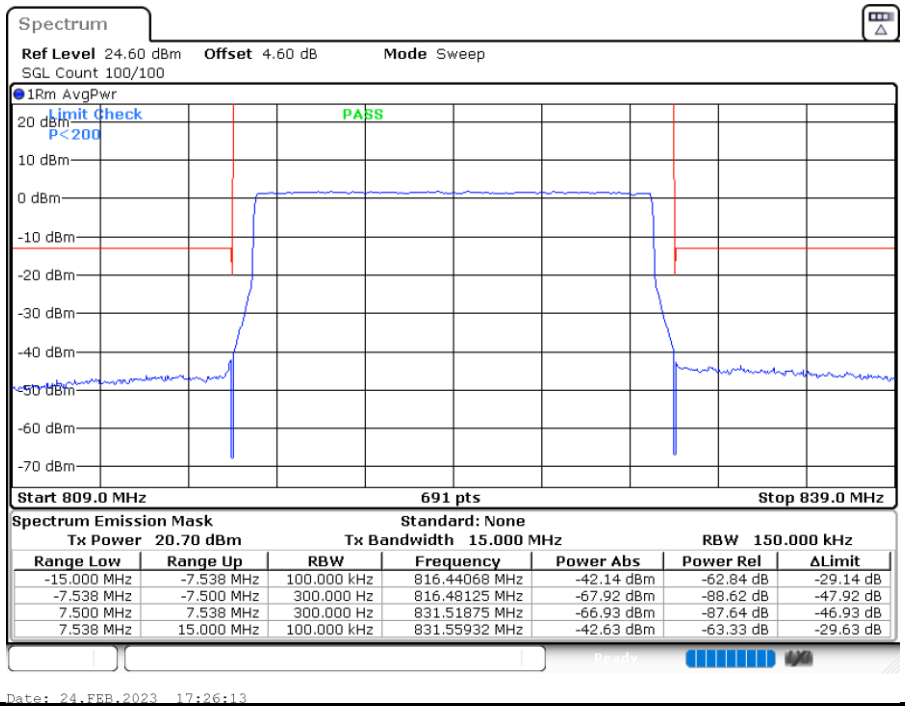
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max

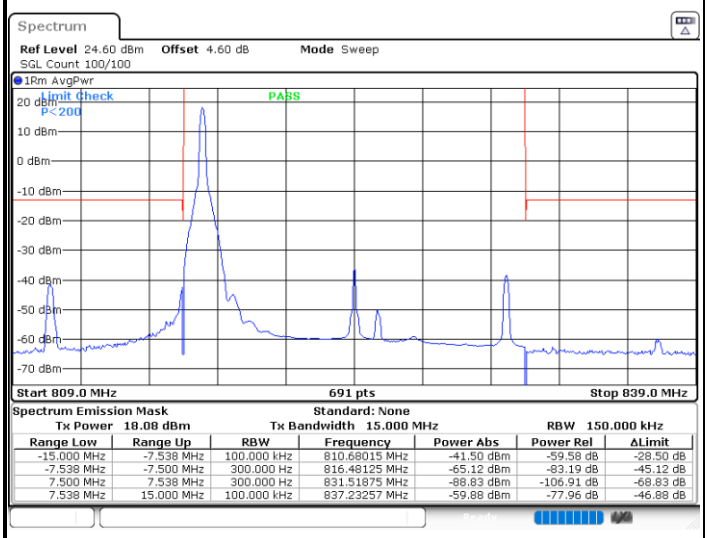


Band Edge / Full RB

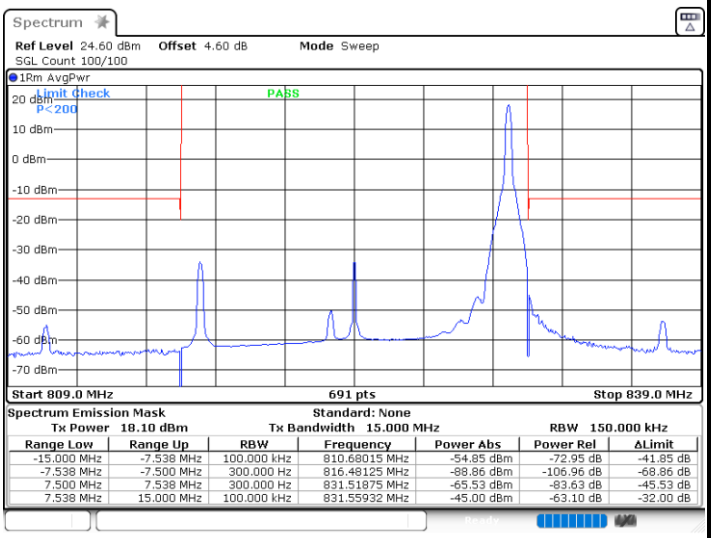


LTE Band 26 / 15MHz / 256QAM

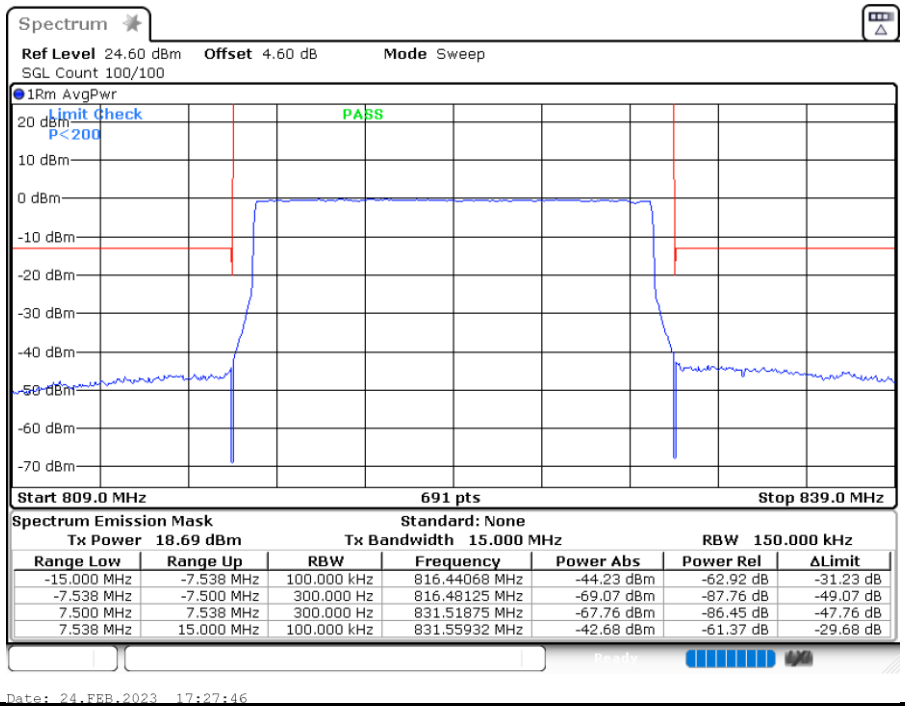
Highest Band Edge / 1 RB



Highest Band Edge / 1 RB max



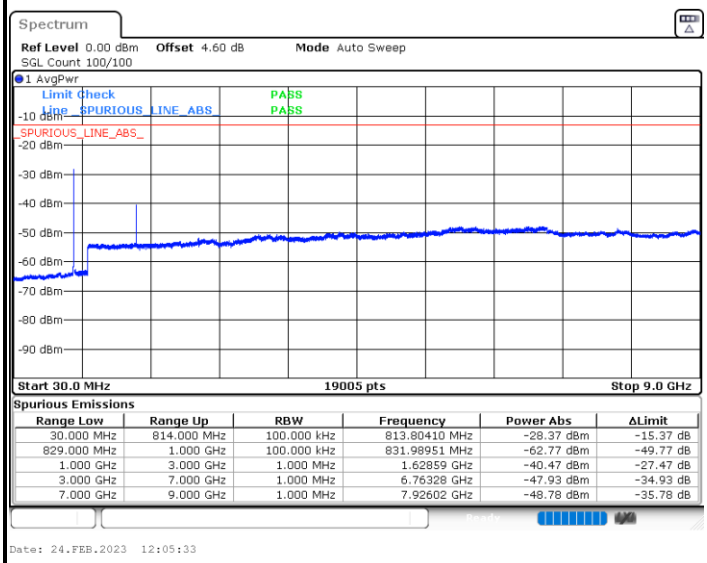
Band Edge / Full RB



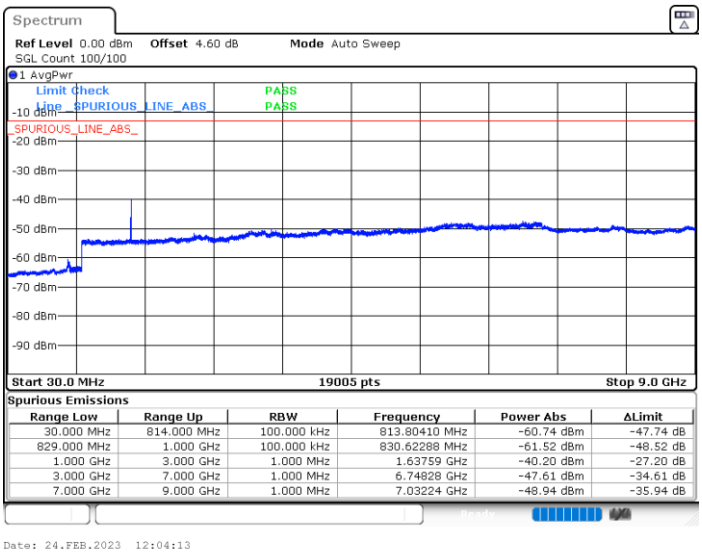
Conducted Spurious Emission

LTE Band 26 / 1.4MHz

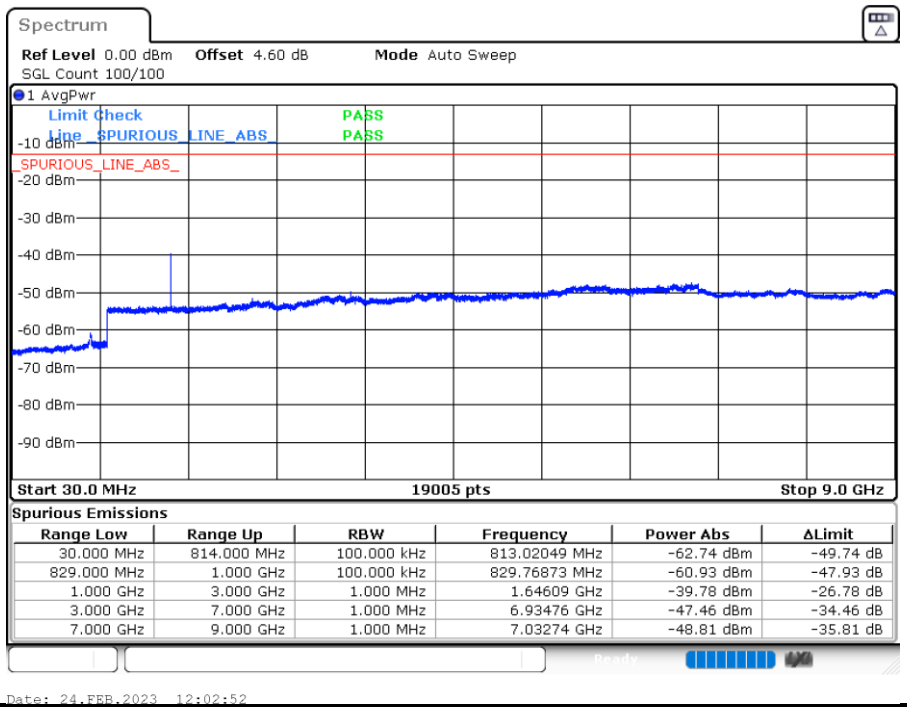
Lowest Channel / QPSK



Middle Channel / QPSK

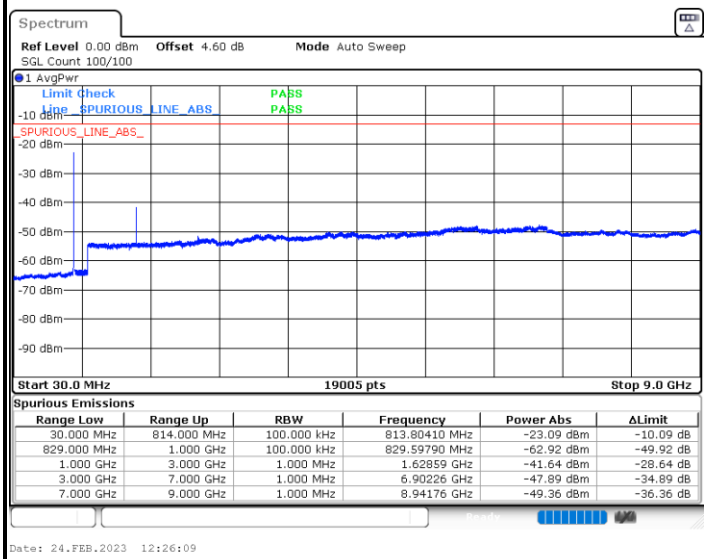


Highest Channel / QPSK



LTE Band 26 / 3MHz

Lowest Channel / QPSK

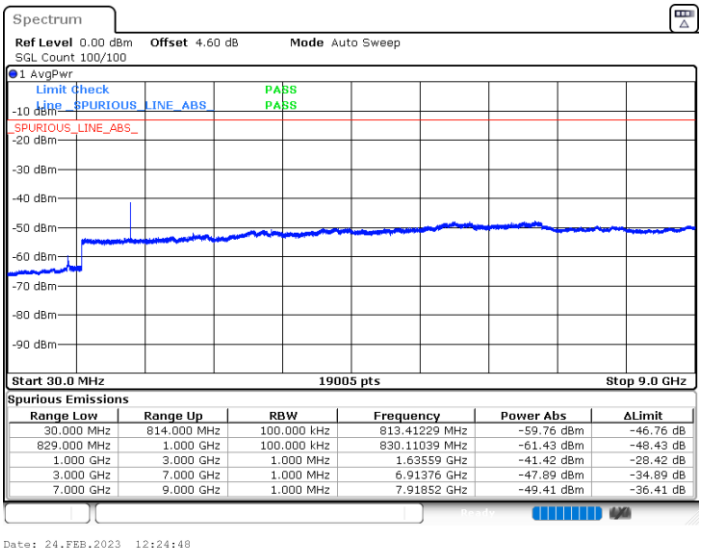


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-23.09 dBm	-10.09 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.59790 MHz	-62.92 dBm	-49.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-41.64 dBm	-28.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90226 GHz	-47.89 dBm	-34.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94176 GHz	-49.36 dBm	-36.36 dB

Date: 24.FEB.2023 12:26:09

Middle Channel / QPSK

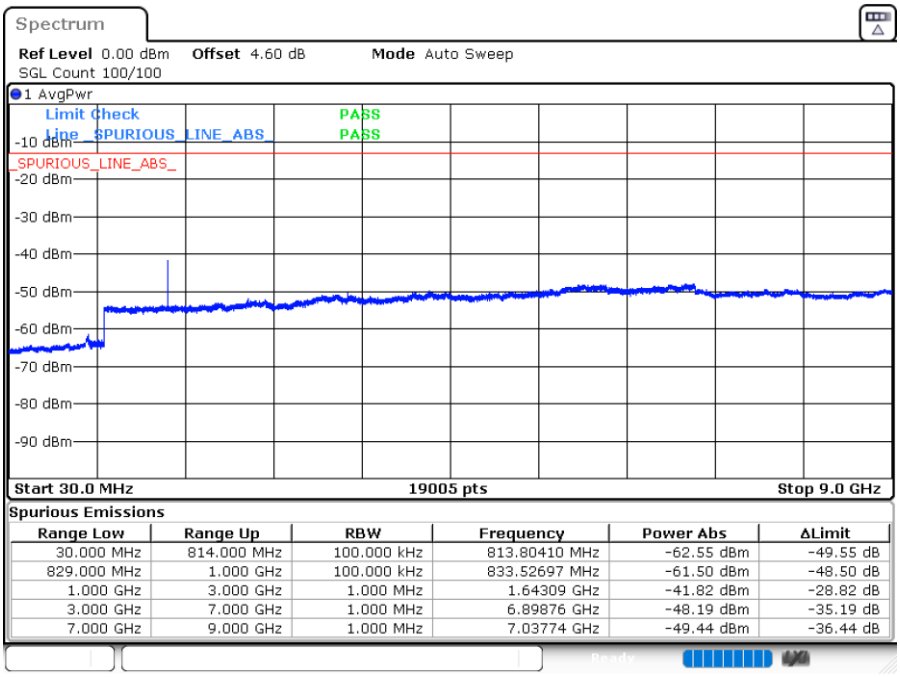


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.41229 MHz	-59.76 dBm	-46.76 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.11039 MHz	-61.43 dBm	-48.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63559 GHz	-41.42 dBm	-28.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91376 GHz	-47.89 dBm	-34.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.91852 GHz	-49.41 dBm	-36.41 dB

Date: 24.FEB.2023 12:24:48

Highest Channel / QPSK



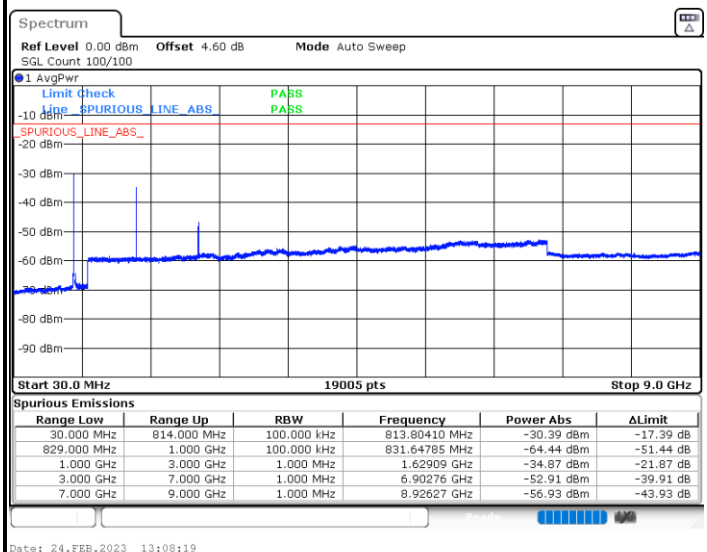
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-62.55 dBm	-49.55 dB
829.000 MHz	1.000 GHz	100.000 kHz	833.52697 MHz	-61.50 dBm	-48.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64309 GHz	-41.82 dBm	-28.82 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89876 GHz	-48.19 dBm	-35.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03774 GHz	-49.44 dBm	-36.44 dB

Date: 24.FEB.2023 12:23:27

LTE Band 26 / 5MHz

Lowest Channel / QPSK

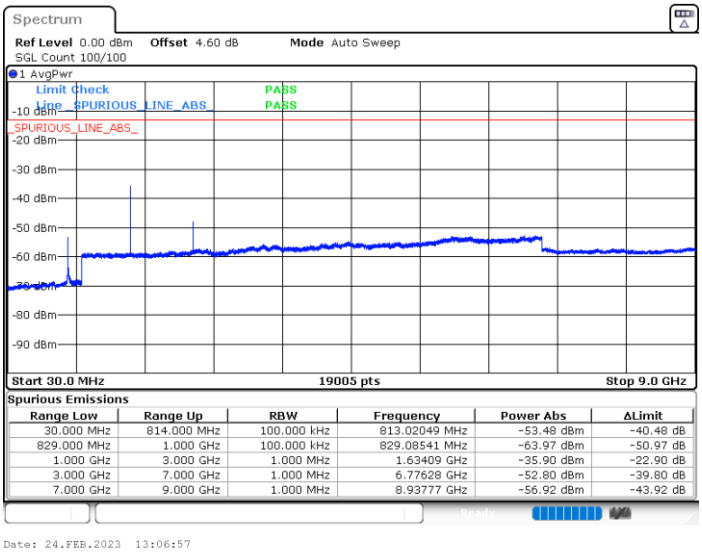


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-30.39 dBm	-17.39 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.64785 MHz	-64.44 dBm	-51.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-34.87 dBm	-21.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90276 GHz	-52.91 dBm	-39.91 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.92627 GHz	-56.93 dBm	-43.93 dB

Date: 24.FEB.2023 13:08:19

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.02049 MHz	-53.48 dBm	-40.48 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.08541 MHz	-63.97 dBm	-50.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-35.90 dBm	-22.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77628 GHz	-52.80 dBm	-39.80 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93777 GHz	-56.92 dBm	-43.92 dB

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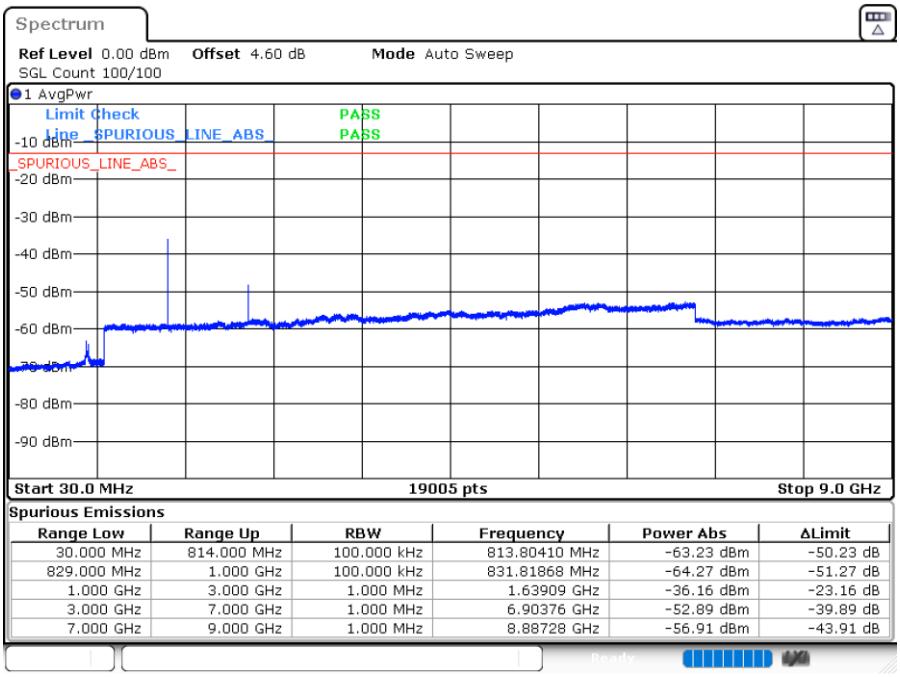
Highest Channel / QPSK



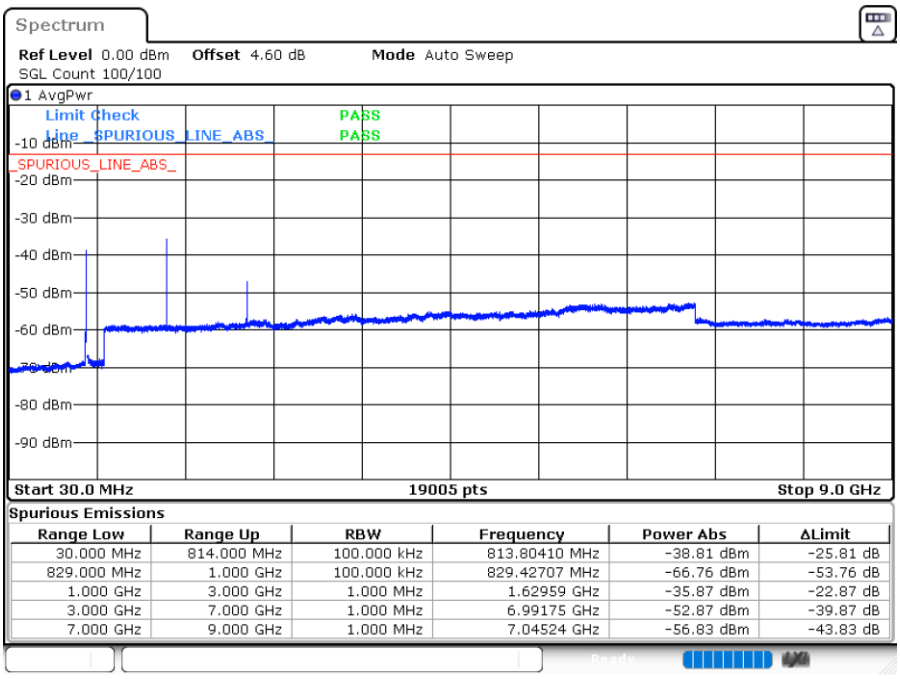
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-63.23 dBm	-50.23 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.81868 MHz	-64.27 dBm	-51.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63909 GHz	-36.16 dBm	-23.16 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90376 GHz	-52.89 dBm	-39.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88728 GHz	-56.91 dBm	-43.91 dB

Date: 24.FEB.2023 13:05:36

LTE Band 26 / 10MHz

Middle Channel / QPSK



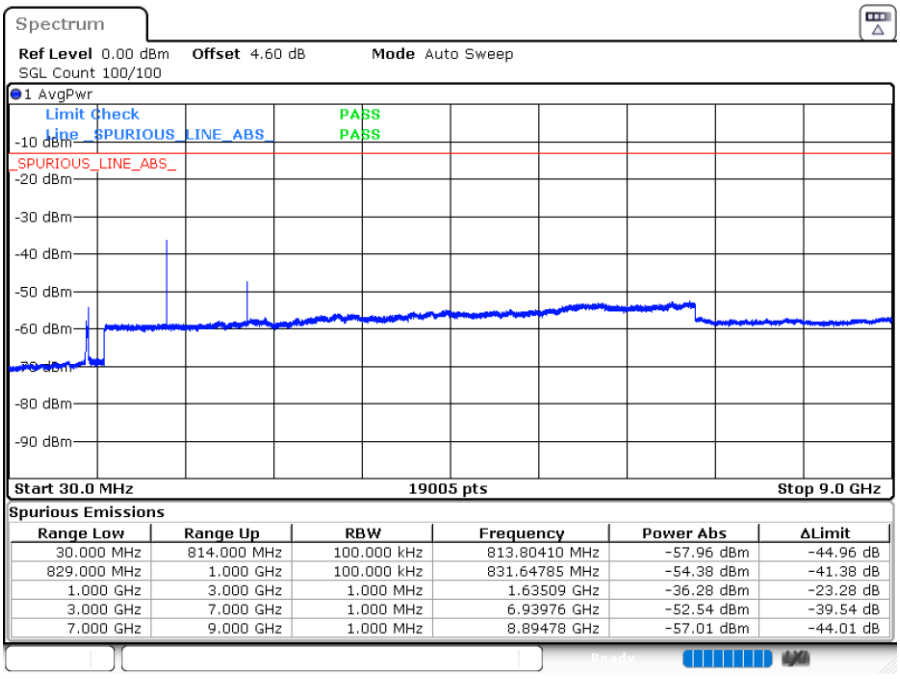
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-38.81 dBm	-25.81 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.42707 MHz	-66.76 dBm	-53.76 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62959 GHz	-35.87 dBm	-22.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99175 GHz	-52.87 dBm	-39.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04524 GHz	-56.83 dBm	-43.83 dB

Date: 24.FEB.2023 13:28:40

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	-57.96 dBm	-44.96 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.64785 MHz	-54.38 dBm	-41.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63509 GHz	-36.28 dBm	-23.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93976 GHz	-52.54 dBm	-39.54 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89478 GHz	-57.01 dBm	-44.01 dB

Date: 24.FEB.2023 17:12:12

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	0.0028	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.86 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.43 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 :	Carry Xu	Temperature :	23~25℃
		Relative Humidity :	41~42%

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	-62.80	-13	-49.80	-69.77	1.58	10.70	H
	2440	-61.52	-13	-48.52	-69.77	2.102	12.50	H
	3256	-60.63	-13	-47.63	-69.52	2.856	13.90	H
	1632	-65.25	-13	-52.25	-72.22	1.58	10.70	V
	2440	-59.57	-13	-46.57	-67.82	2.10	12.50	V
	3256	-60.45	-13	-47.45	-69.34	2.86	13.90	V

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