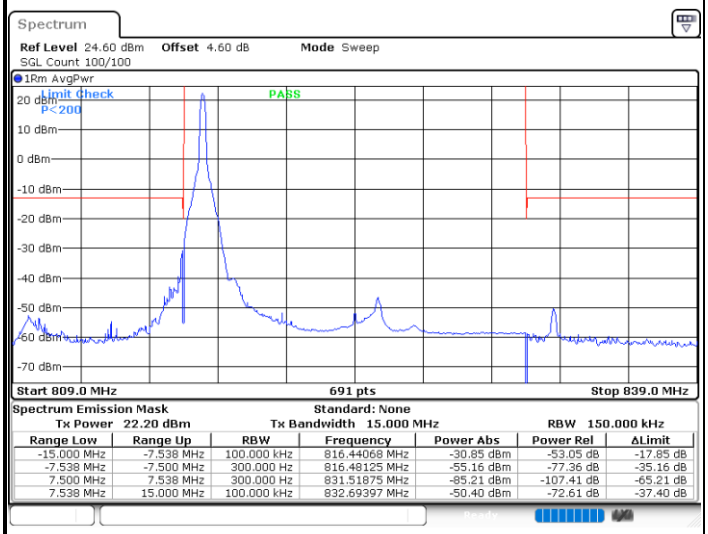
LTE Band 26 / 15MHz / 16QAM

Highest Band Edge / 1 RB

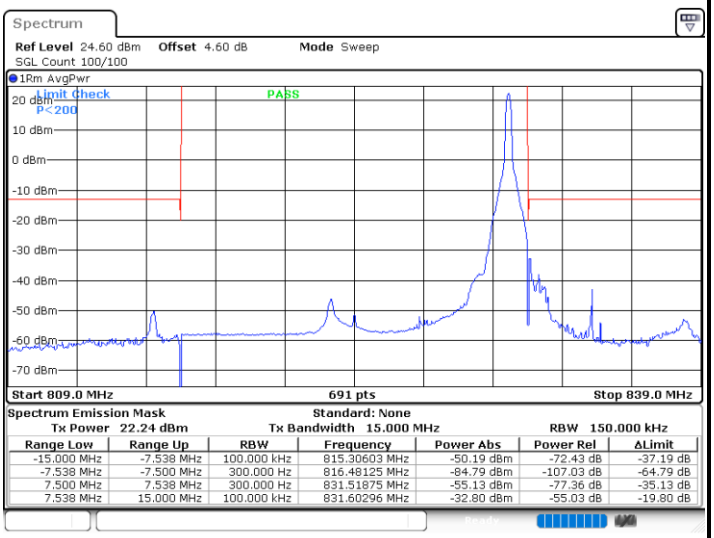


Spectrum Emission Mask Standard: None
Tx Power 22.20 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	816.44068 MHz	-30.85 dBm	-53.05 dB	-17.85 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-55.16 dBm	-77.36 dB	-35.16 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-85.21 dBm	-107.41 dB	-65.21 dB
7.538 MHz	15.000 MHz	100.000 kHz	832.69397 MHz	-50.40 dBm	-72.61 dB	-37.40 dB

Date: 15.APR.2024 23:30:17

Highest Band Edge / 1 RB max

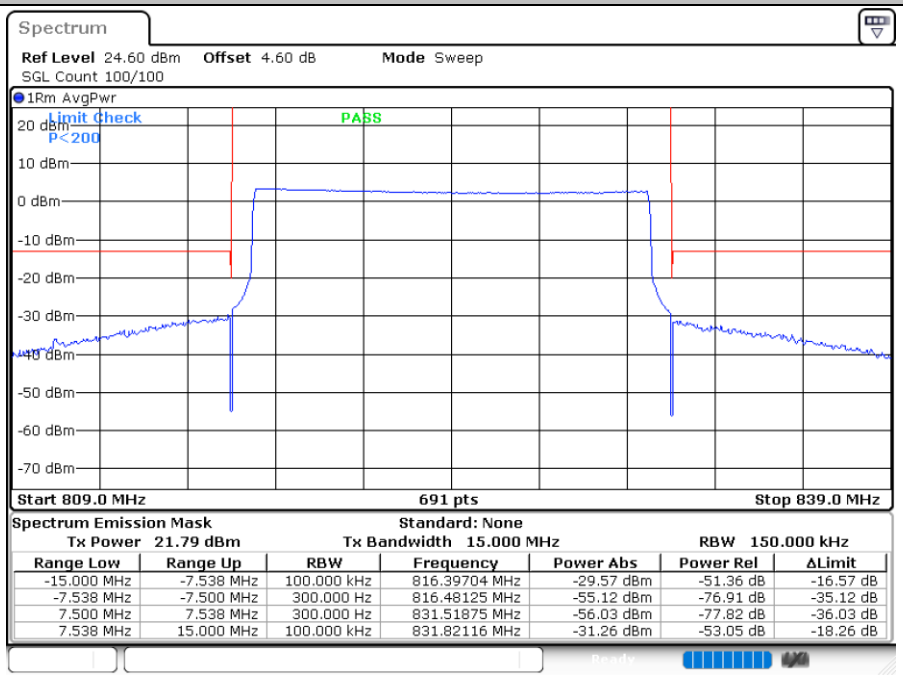


Spectrum Emission Mask Standard: None
Tx Power 22.24 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	815.30603 MHz	-50.19 dBm	-72.43 dB	-37.19 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-84.79 dBm	-107.03 dB	-64.79 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-55.13 dBm	-77.36 dB	-35.13 dB
7.538 MHz	15.000 MHz	100.000 kHz	831.60296 MHz	-32.80 dBm	-55.03 dB	-19.80 dB

Date: 15.APR.2024 23:45:35

Band Edge / Full RB



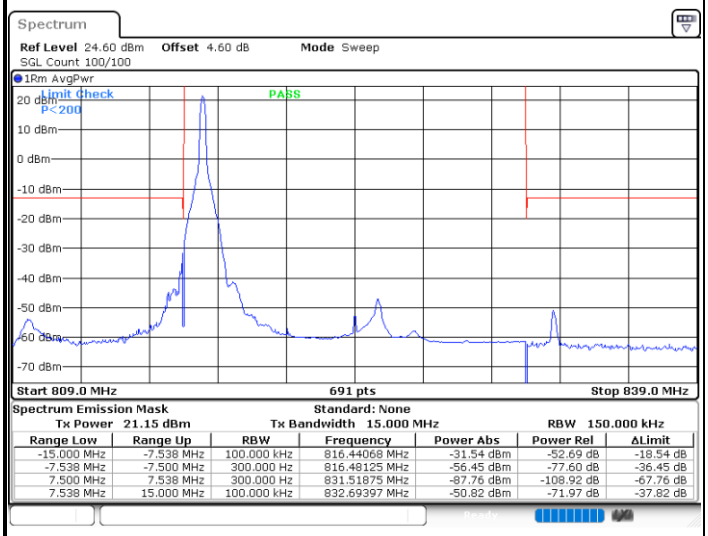
Spectrum Emission Mask Standard: None
Tx Power 21.79 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	816.39704 MHz	-29.57 dBm	-51.36 dB	-16.57 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-55.12 dBm	-76.91 dB	-35.12 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-56.03 dBm	-77.82 dB	-36.03 dB
7.538 MHz	15.000 MHz	100.000 kHz	831.82116 MHz	-31.26 dBm	-53.05 dB	-18.26 dB

Date: 15.APR.2024 23:51:49

LTE Band 26 / 15MHz / 64QAM

Highest Band Edge / 1 RB

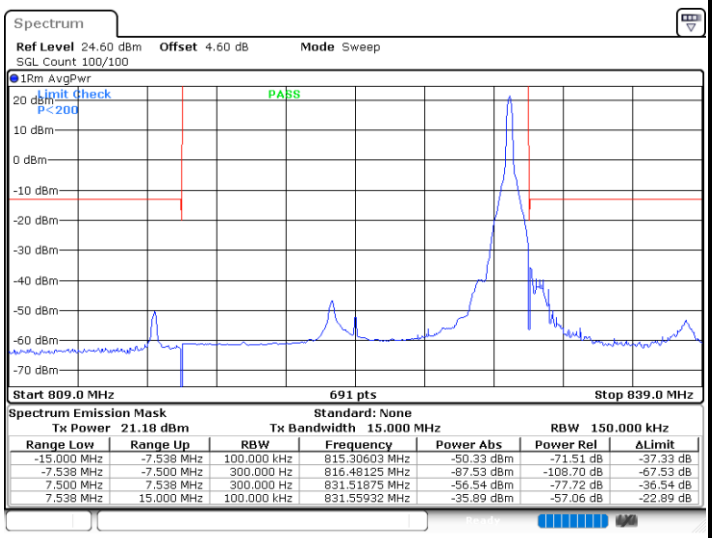


Spectrum Emission Mask Standard: None
Tx Power 21.15 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	816.44068 MHz	-31.54 dBm	-52.69 dB	-18.54 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-56.45 dBm	-77.60 dB	-36.45 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-87.76 dBm	-108.92 dB	-67.76 dB
7.538 MHz	15.000 MHz	100.000 kHz	832.69397 MHz	-50.82 dBm	-71.97 dB	-37.82 dB

Date: 15.APR.2024 23:31:17

Highest Band Edge / 1 RB max

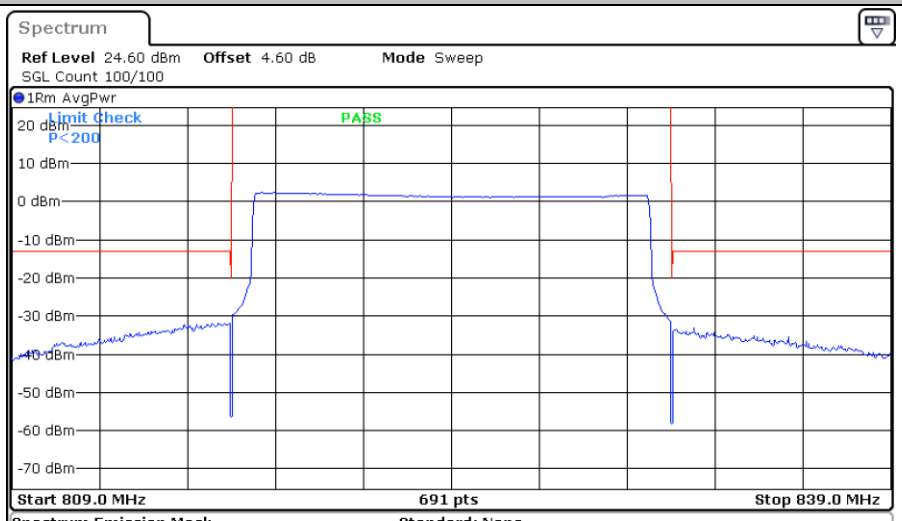


Spectrum Emission Mask Standard: None
Tx Power 21.18 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	815.30603 MHz	-50.33 dBm	-71.51 dB	-37.33 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-87.53 dBm	-108.70 dB	-67.53 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-56.54 dBm	-77.72 dB	-36.54 dB
7.538 MHz	15.000 MHz	100.000 kHz	831.55932 MHz	-35.89 dBm	-57.06 dB	-22.89 dB

Date: 15.APR.2024 23:46:35

Band Edge / Full RB



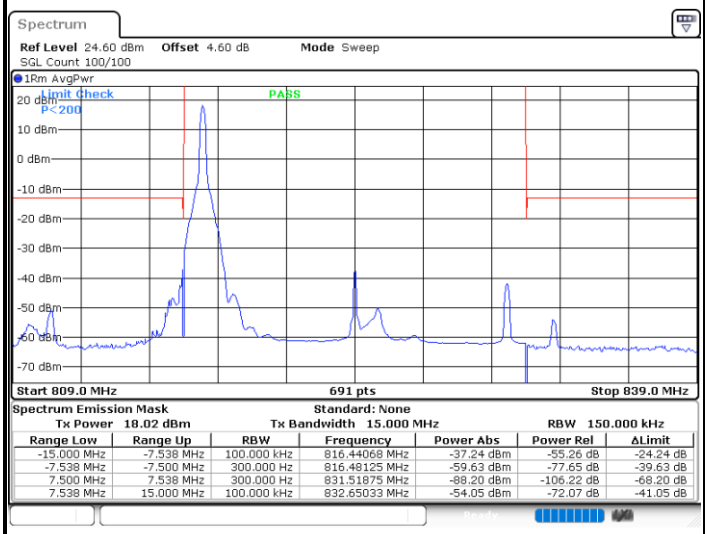
Spectrum Emission Mask Standard: None
Tx Power 20.77 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	816.09156 MHz	-31.87 dBm	-52.64 dB	-18.87 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-56.48 dBm	-77.26 dB	-36.48 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-58.22 dBm	-79.00 dB	-38.22 dB
7.538 MHz	15.000 MHz	100.000 kHz	832.25757 MHz	-33.06 dBm	-53.84 dB	-20.06 dB

Date: 15.APR.2024 23:52:49

LTE Band 26 / 15MHz / 256QAM

Highest Band Edge / 1 RB

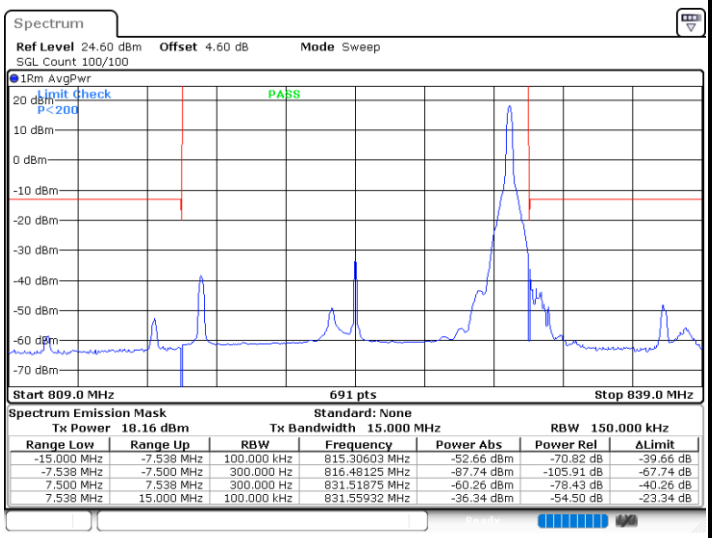


Spectrum Emission Mask Standard: None
Tx Power 18.02 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	816.44068 MHz	-37.24 dBm	-55.26 dB	-24.24 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-59.63 dBm	-77.65 dB	-39.63 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-88.20 dBm	-106.22 dB	-68.20 dB
7.538 MHz	15.000 MHz	100.000 kHz	832.65033 MHz	-54.05 dBm	-72.07 dB	-41.05 dB

Date: 15.APR.2024 23:32:17

Highest Band Edge / 1 RB max

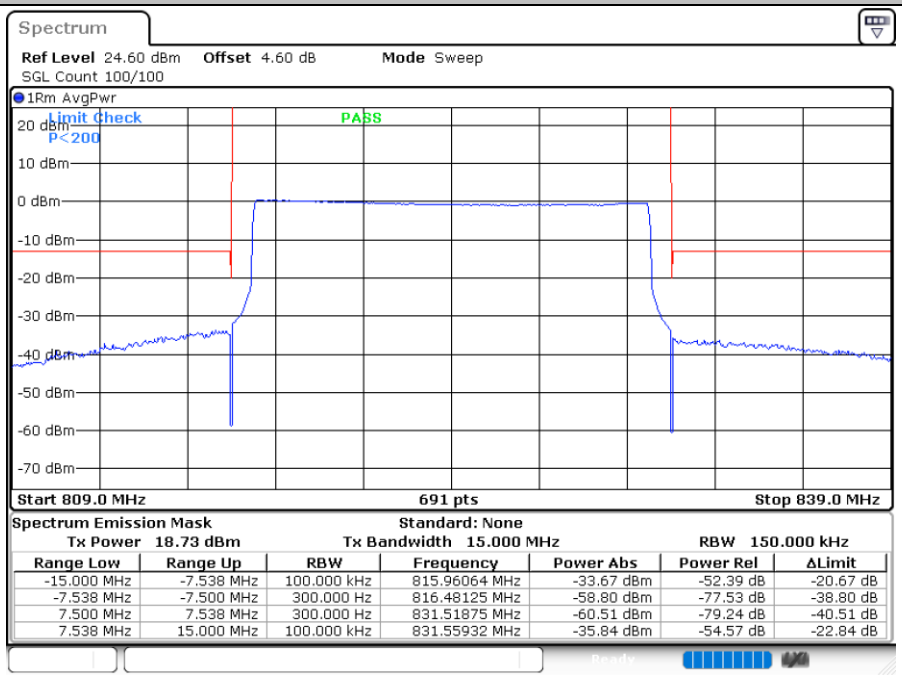


Spectrum Emission Mask Standard: None
Tx Power 18.16 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	815.30603 MHz	-52.66 dBm	-70.82 dB	-39.66 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-87.74 dBm	-105.91 dB	-67.74 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-60.26 dBm	-78.43 dB	-40.26 dB
7.538 MHz	15.000 MHz	100.000 kHz	831.55932 MHz	-36.34 dBm	-54.50 dB	-23.34 dB

Date: 15.APR.2024 23:47:35

Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 18.73 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

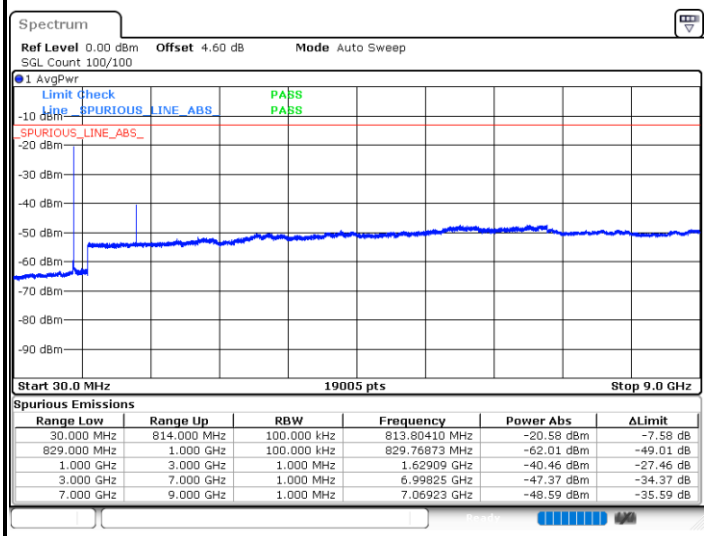
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	815.96064 MHz	-33.67 dBm	-52.39 dB	-20.67 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	816.48125 MHz	-58.80 dBm	-77.53 dB	-38.80 dB
7.500 MHz	7.538 MHz	300.000 Hz	831.51875 MHz	-60.51 dBm	-79.24 dB	-40.51 dB
7.538 MHz	15.000 MHz	100.000 kHz	831.55932 MHz	-35.84 dBm	-54.57 dB	-22.84 dB

Date: 15.APR.2024 23:53:49

Conducted Spurious Emission

LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

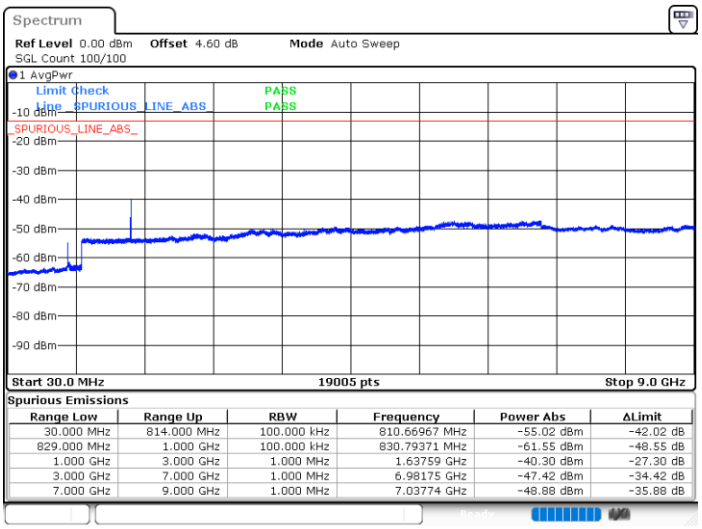


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-20.58 dBm	-7.58 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.76873 MHz	-62.01 dBm	-49.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-40.46 dBm	-27.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99825 GHz	-47.37 dBm	-34.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06923 GHz	-48.59 dBm	-35.59 dB

Date: 15.APR.2024 22:04:22

Middle Channel / QPSK

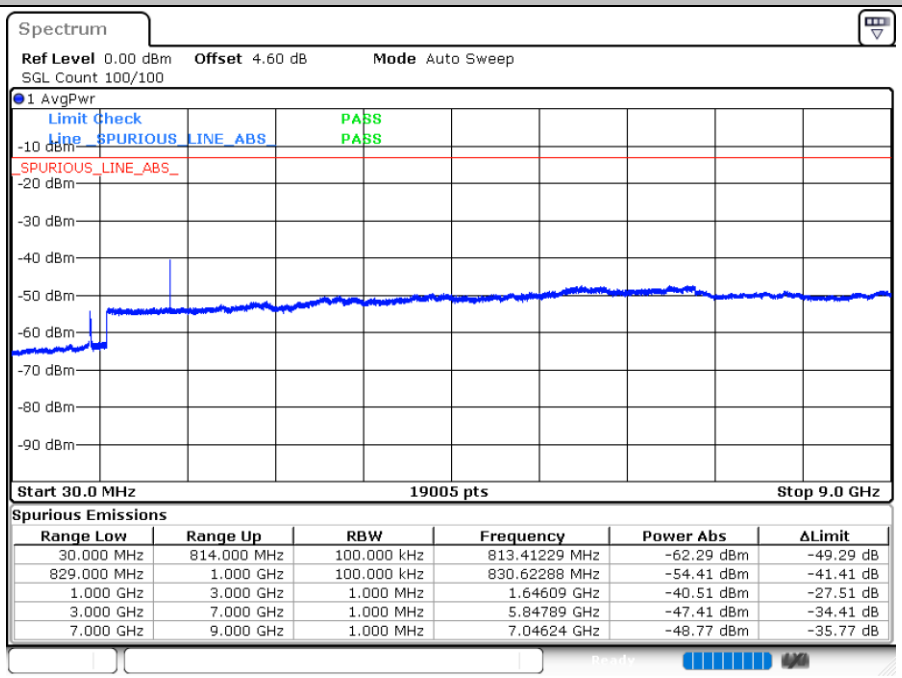


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	810.66967 MHz	-55.02 dBm	-42.02 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.79371 MHz	-61.55 dBm	-48.55 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63759 GHz	-40.30 dBm	-27.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98175 GHz	-47.42 dBm	-34.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03774 GHz	-48.88 dBm	-35.88 dB

Date: 15.APR.2024 22:15:51

Highest Channel / QPSK



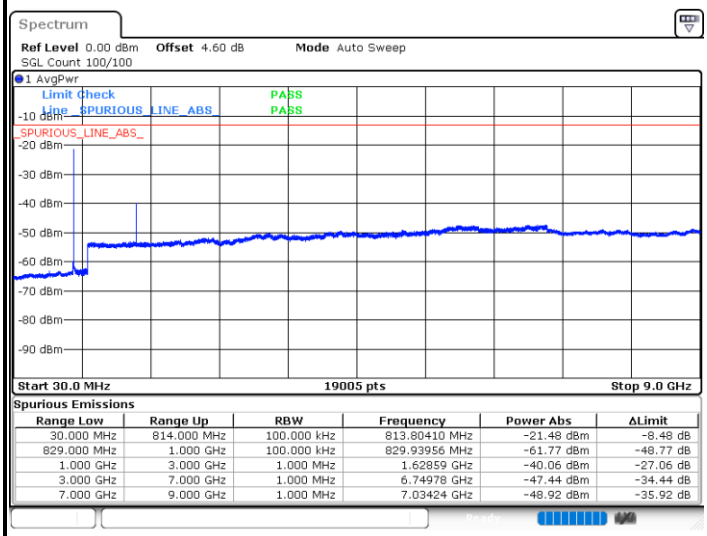
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.41229 MHz	-62.29 dBm	-49.29 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.62288 MHz	-54.41 dBm	-41.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64609 GHz	-40.51 dBm	-27.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.84789 GHz	-47.41 dBm	-34.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04624 GHz	-48.77 dBm	-35.77 dB

Date: 15.APR.2024 22:17:52

LTE Band 26 / 3MHz

Lowest Channel / QPSK

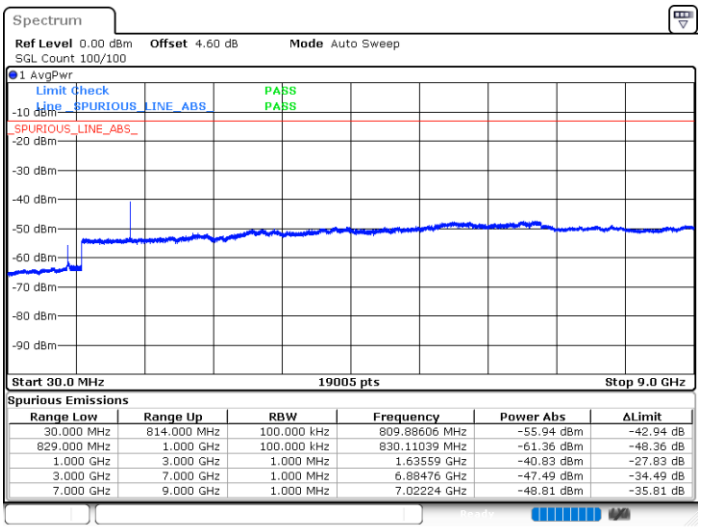


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-21.48 dBm	-8.48 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.93956 MHz	-61.77 dBm	-48.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62859 GHz	-40.06 dBm	-27.06 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.74978 GHz	-47.44 dBm	-34.44 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03424 GHz	-48.92 dBm	-35.92 dB

Date: 15.APR.2024 22:28:29

Middle Channel / QPSK

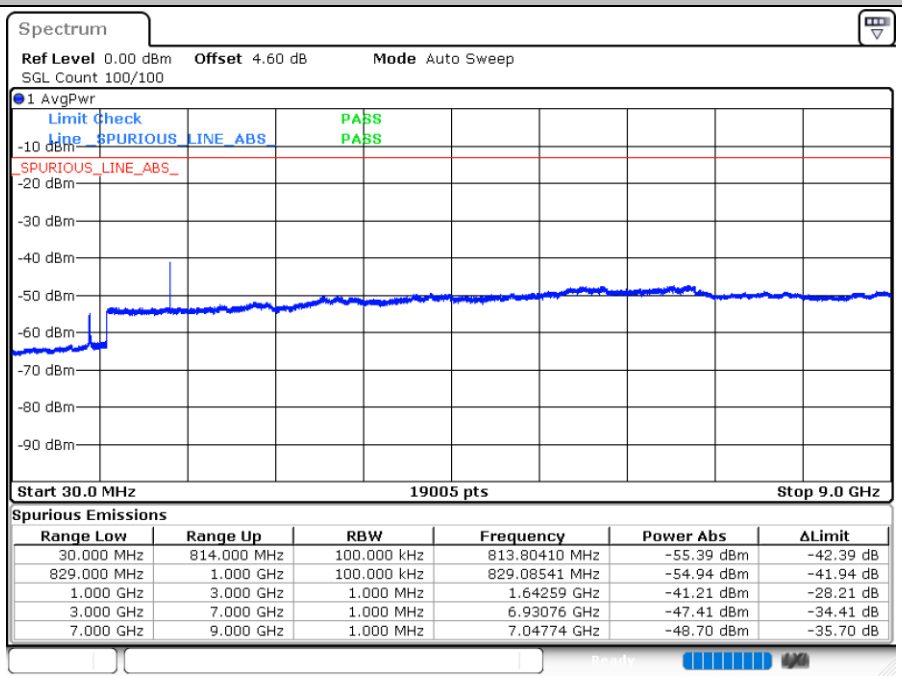


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	809.88606 MHz	-55.94 dBm	-42.94 dB
829.000 MHz	1.000 GHz	100.000 kHz	830.11039 MHz	-61.36 dBm	-48.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63559 GHz	-40.83 dBm	-27.83 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88476 GHz	-47.49 dBm	-34.49 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02224 GHz	-48.81 dBm	-35.81 dB

Date: 15.APR.2024 22:36:23

Highest Channel / QPSK



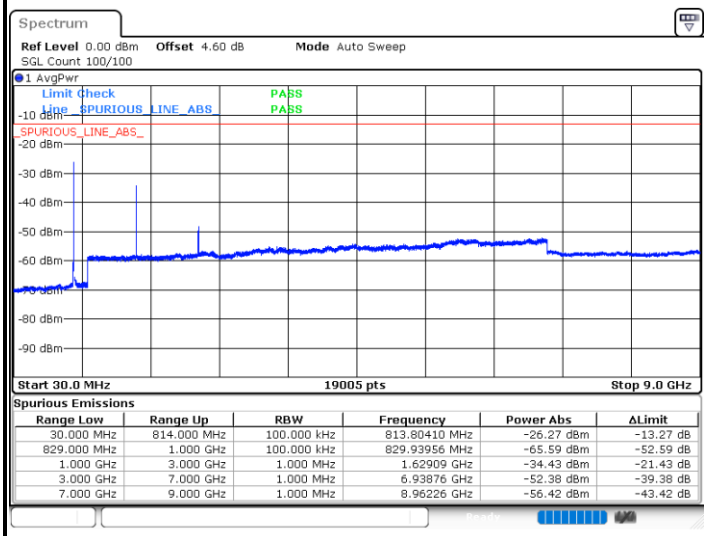
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-55.39 dBm	-42.39 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.08541 MHz	-54.94 dBm	-41.94 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64259 GHz	-41.21 dBm	-28.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93076 GHz	-47.41 dBm	-34.41 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04774 GHz	-48.70 dBm	-35.70 dB

Date: 15.APR.2024 22:38:25

LTE Band 26 / 5MHz

Lowest Channel / QPSK

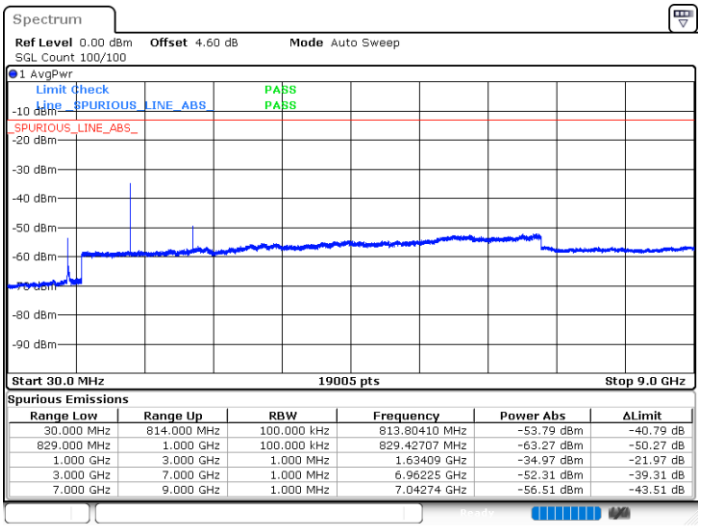


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-26.27 dBm	-13.27 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.93956 MHz	-65.59 dBm	-52.59 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62909 GHz	-34.43 dBm	-21.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93876 GHz	-52.38 dBm	-39.38 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.96226 GHz	-56.42 dBm	-43.42 dB

Date: 15.APR.2024 22:47:58

Middle Channel / QPSK

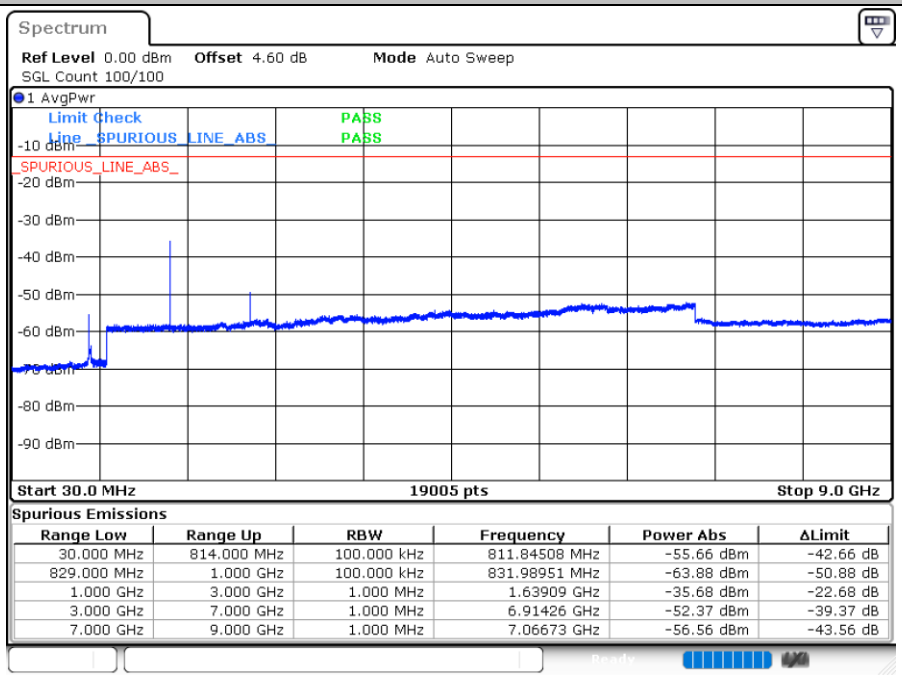


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-53.79 dBm	-40.79 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.42707 MHz	-63.27 dBm	-50.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63409 GHz	-34.97 dBm	-21.97 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96225 GHz	-52.31 dBm	-39.31 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04274 GHz	-56.51 dBm	-43.51 dB

Date: 15.APR.2024 22:59:22

Highest Channel / QPSK



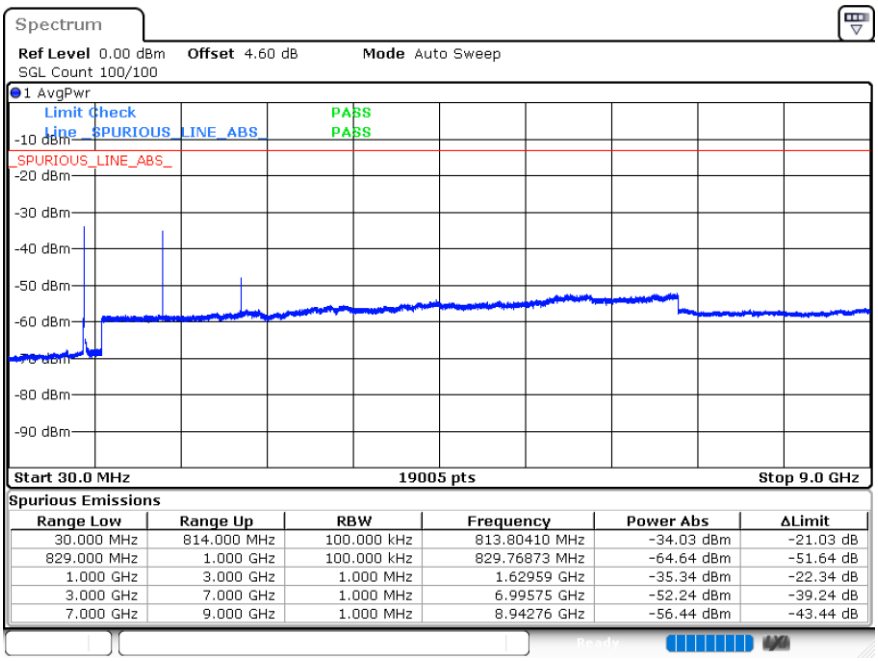
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	811.84508 MHz	-55.66 dBm	-42.66 dB
829.000 MHz	1.000 GHz	100.000 kHz	831.98951 MHz	-63.88 dBm	-50.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63909 GHz	-35.68 dBm	-22.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91426 GHz	-52.37 dBm	-39.37 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06673 GHz	-56.56 dBm	-43.56 dB

Date: 15.APR.2024 23:01:24

LTE Band 26 / 10MHz

Middle Channel / QPSK



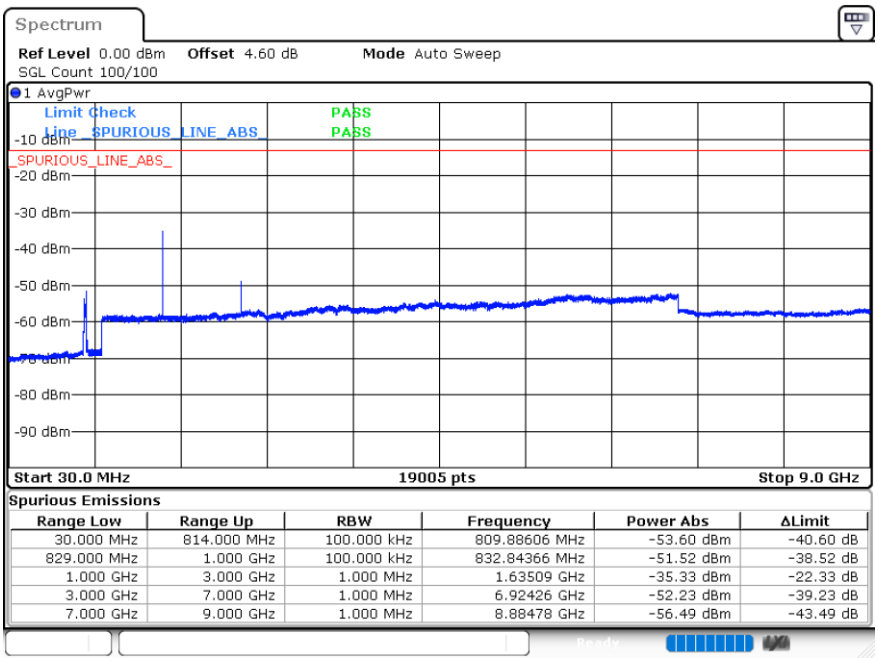
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-34.03 dBm	-21.03 dB
829.000 MHz	1.000 GHz	100.000 kHz	829.76873 MHz	-64.64 dBm	-51.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62959 GHz	-35.34 dBm	-22.34 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99575 GHz	-52.24 dBm	-39.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94276 GHz	-56.44 dBm	-43.44 dB

Date: 15.APR.2024 23:12:42

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	809.88606 MHz	-53.60 dBm	-40.60 dB
829.000 MHz	1.000 GHz	100.000 kHz	832.84366 MHz	-51.52 dBm	-38.52 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63509 GHz	-35.33 dBm	-22.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92426 GHz	-52.23 dBm	-39.23 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.88478 GHz	-56.49 dBm	-43.49 dB

Date: 15.APR.2024 23:28:17

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	0.0035	PASS
40	Normal Voltage	0.0049	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 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 :	Carl Ni	Temperature :	23~25℃
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antennas and Open/Close status, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 26 / 10MHz / QPSK / Ant. 1 / Open								
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	-66.43	-13	-53.43	-73.40	1.58	10.70	H
	2440	-61.60	-13	-48.60	-69.85	2.102	12.50	H
	3256	-60.75	-13	-47.75	-69.64	2.856	13.90	H
	1632	-65.58	-13	-52.58	-72.55	1.58	10.70	V
	2440	-60.23	-13	-47.23	-68.48	2.10	12.50	V
	3256	-60.69	-13	-47.69	-69.58	2.86	13.90	V

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