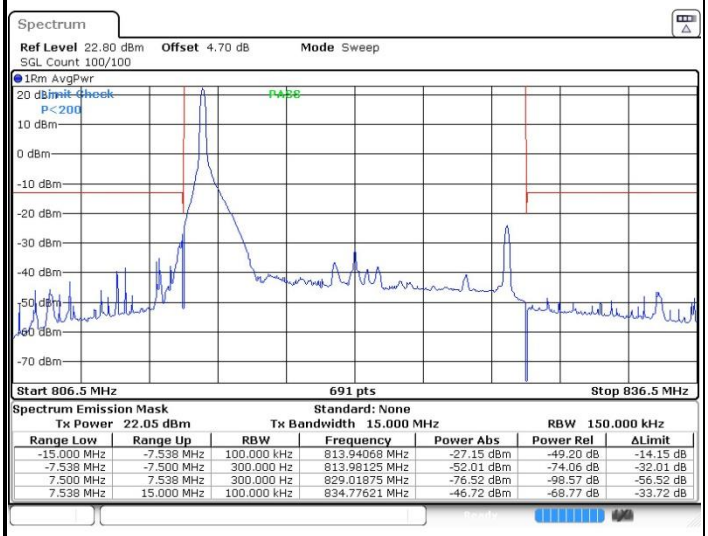
LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / 1 RB

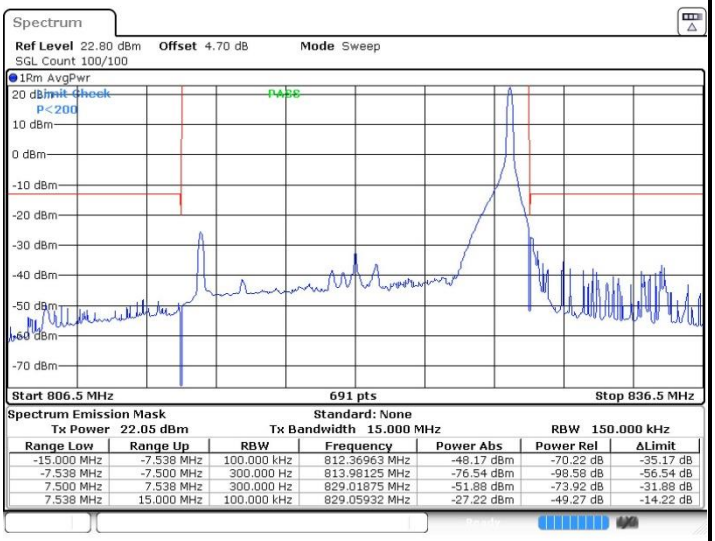


Spectrum Emission Mask Standard: None
Tx Power 22.05 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	813.94068 MHz	-27.15 dBm	-49.20 dB	-14.15 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	813.98125 MHz	-52.01 dBm	-74.06 dB	-32.01 dB
7.500 MHz	7.538 MHz	300.000 Hz	829.01875 MHz	-76.52 dBm	-98.57 dB	-56.52 dB
7.538 MHz	15.000 MHz	100.000 kHz	834.77621 MHz	-46.72 dBm	-68.77 dB	-33.72 dB

Date: 3.AUG.2021 21:49:31

Lowest Band Edge / 1 RB max

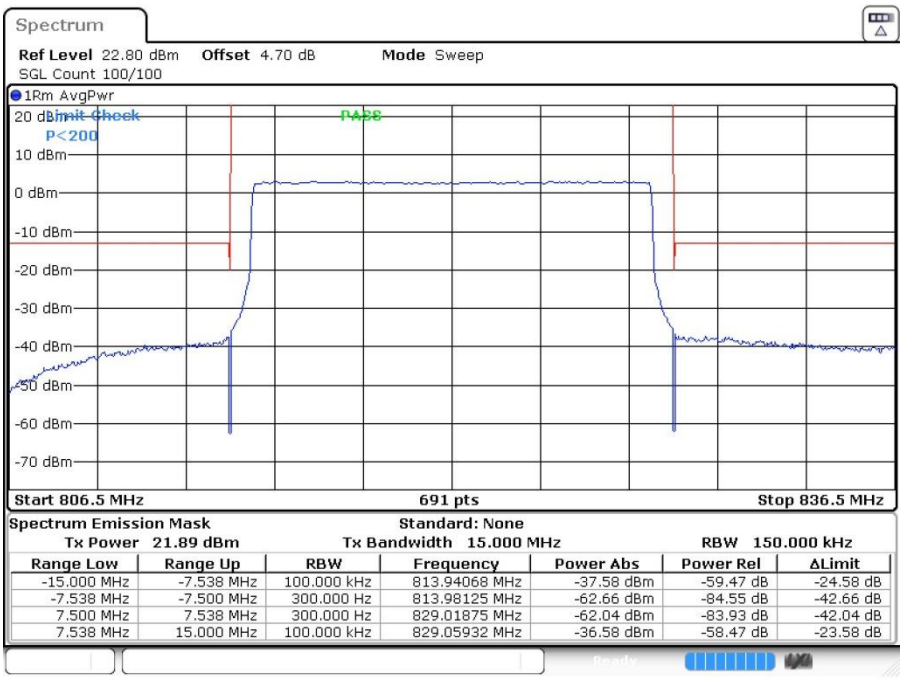


Spectrum Emission Mask Standard: None
Tx Power 22.05 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	812.36963 MHz	-48.17 dBm	-70.22 dB	-35.17 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	813.98125 MHz	-76.54 dBm	-98.58 dB	-56.54 dB
7.500 MHz	7.538 MHz	300.000 Hz	829.01875 MHz	-51.88 dBm	-73.92 dB	-31.88 dB
7.538 MHz	15.000 MHz	100.000 kHz	829.05932 MHz	-27.22 dBm	-49.27 dB	-14.22 dB

Date: 3.AUG.2021 21:58:21

Band Edge / Full RB



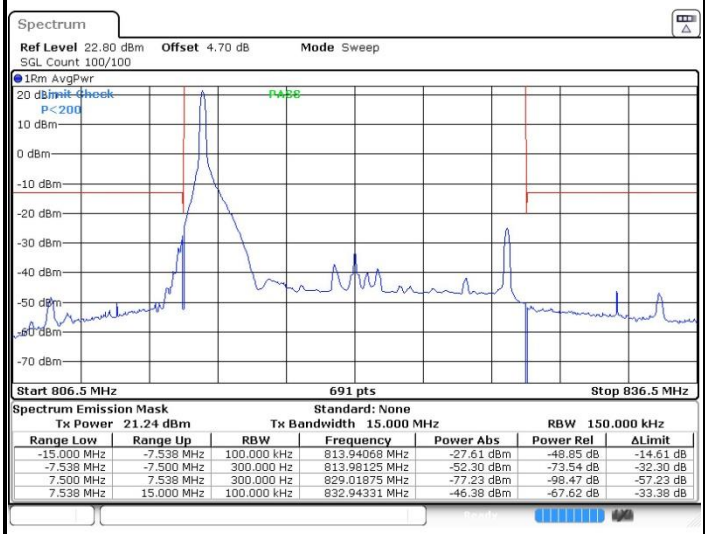
Spectrum Emission Mask Standard: None
Tx Power 21.89 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	813.94068 MHz	-37.58 dBm	-59.47 dB	-24.58 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	813.98125 MHz	-62.66 dBm	-84.55 dB	-42.66 dB
7.500 MHz	7.538 MHz	300.000 Hz	829.01875 MHz	-62.04 dBm	-83.93 dB	-42.04 dB
7.538 MHz	15.000 MHz	100.000 kHz	829.05932 MHz	-36.58 dBm	-58.47 dB	-23.58 dB

Date: 3.AUG.2021 21:52:28

LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

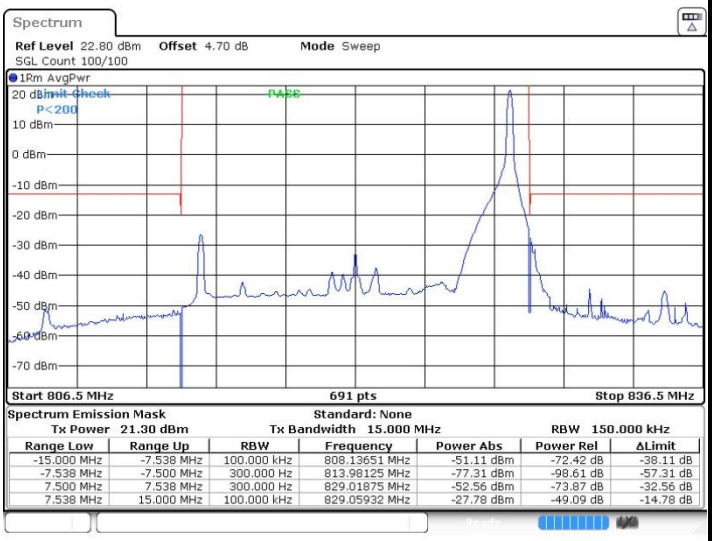


Spectrum Emission Mask Standard: None
Tx Power 21.24 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	813.94068 MHz	-27.61 dBm	-48.85 dB	-14.61 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	813.98125 MHz	-52.30 dBm	-73.54 dB	-32.30 dB
7.500 MHz	7.538 MHz	300.000 Hz	829.01875 MHz	-77.23 dBm	-98.47 dB	-57.23 dB
7.538 MHz	15.000 MHz	100.000 kHz	832.94331 MHz	-46.38 dBm	-67.62 dB	-33.38 dB

Date: 3.AUG.2021 21:48:32

Lowest Band Edge / 1 RB max

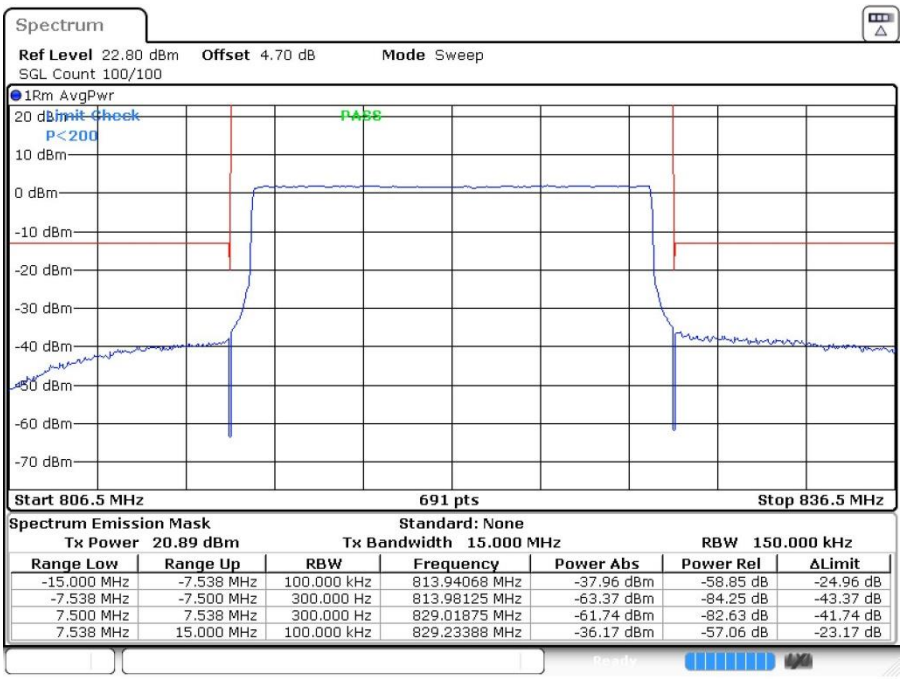


Spectrum Emission Mask Standard: None
Tx Power 21.30 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	808.13651 MHz	-51.11 dBm	-72.42 dB	-38.11 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	813.98125 MHz	-77.31 dBm	-98.61 dB	-57.31 dB
7.500 MHz	7.538 MHz	300.000 Hz	829.01875 MHz	-52.56 dBm	-73.87 dB	-32.56 dB
7.538 MHz	15.000 MHz	100.000 kHz	829.05932 MHz	-27.78 dBm	-49.09 dB	-14.78 dB

Date: 3.AUG.2021 21:59:35

Band Edge / Full RB



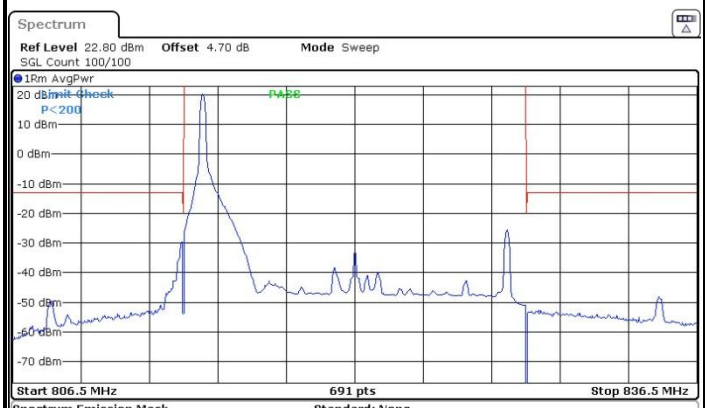
Spectrum Emission Mask Standard: None
Tx Power 20.89 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	813.94068 MHz	-37.96 dBm	-58.85 dB	-24.96 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	813.98125 MHz	-63.37 dBm	-84.25 dB	-43.37 dB
7.500 MHz	7.538 MHz	300.000 Hz	829.01875 MHz	-61.74 dBm	-82.63 dB	-41.74 dB
7.538 MHz	15.000 MHz	100.000 kHz	829.23388 MHz	-36.17 dBm	-57.06 dB	-23.17 dB

Date: 3.AUG.2021 21:51:29

LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

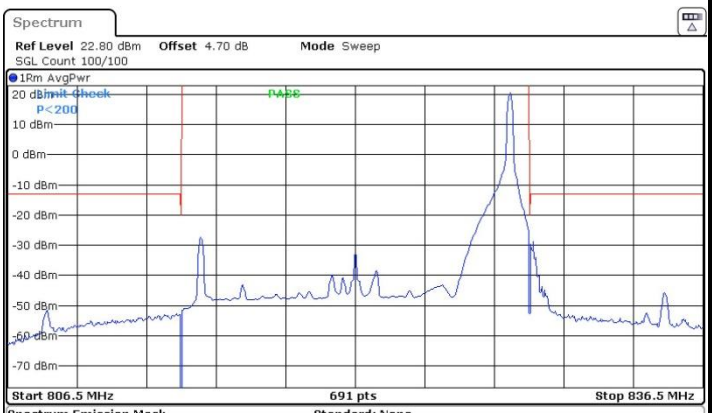


Spectrum Emission Mask Standard: None
Tx Power 20.24 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	813.94068 MHz	-29.53 dBm	-49.77 dB	-16.53 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	813.98125 MHz	-53.85 dBm	-74.09 dB	-33.85 dB
7.500 MHz	7.538 MHz	300.000 Hz	829.01875 MHz	-77.80 dBm	-98.04 dB	-57.80 dB
7.538 MHz	15.000 MHz	100.000 kHz	834.81985 MHz	-48.06 dBm	-68.30 dB	-35.06 dB

Date: 3.AUG.2021 21:50:30

Lowest Band Edge / 1 RB max

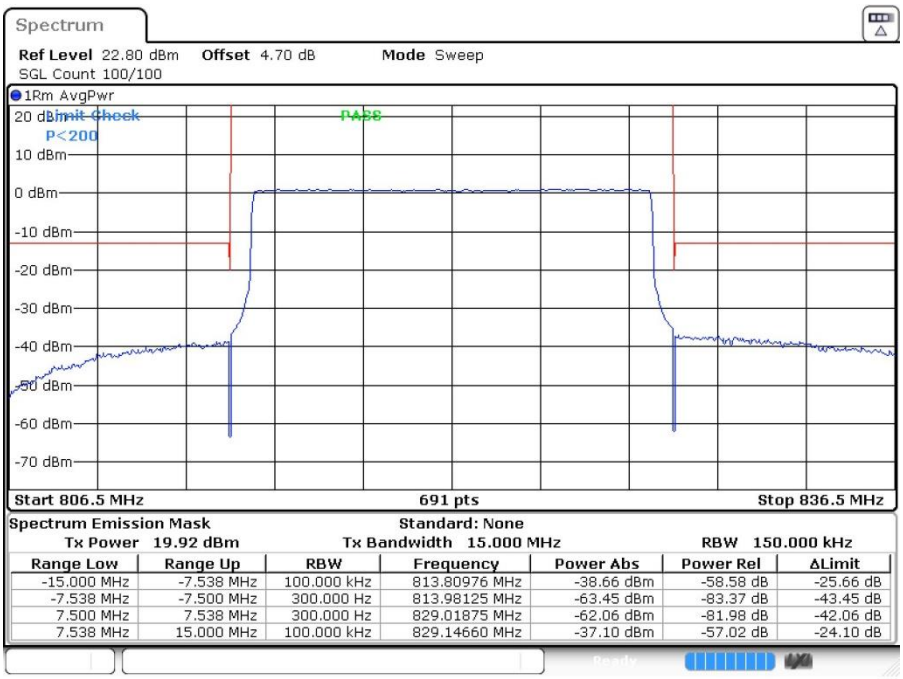


Spectrum Emission Mask Standard: None
Tx Power 20.24 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	808.22379 MHz	-51.59 dBm	-71.83 dB	-38.59 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	813.98125 MHz	-78.39 dBm	-98.63 dB	-58.39 dB
7.500 MHz	7.538 MHz	300.000 Hz	829.01875 MHz	-52.85 dBm	-73.09 dB	-32.85 dB
7.538 MHz	15.000 MHz	100.000 kHz	829.14660 MHz	-28.76 dBm	-49.01 dB	-15.76 dB

Date: 3.AUG.2021 22:00:18

Band Edge / Full RB



Spectrum Emission Mask Standard: None
Tx Power 19.92 dBm Tx Bandwidth 15.000 MHz RBW 150.000 kHz

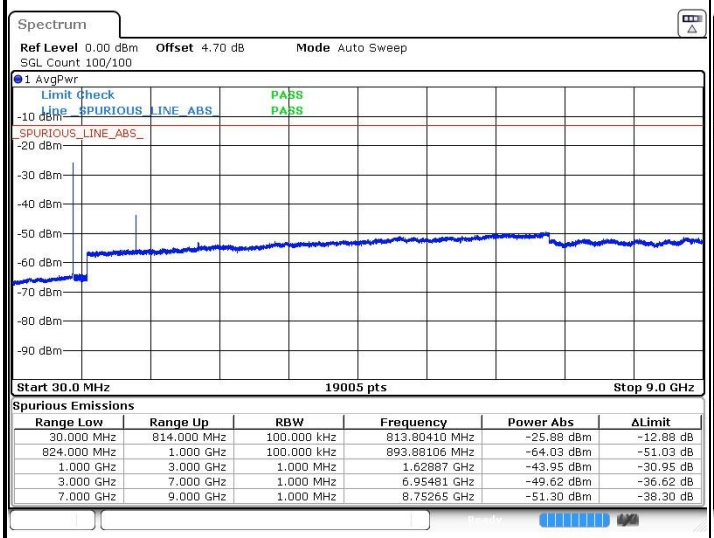
Range Low	Range Up	RBW	Frequency	Power Abs	Power Rel	ΔLimit
-15.000 MHz	-7.538 MHz	100.000 kHz	813.80976 MHz	-38.66 dBm	-58.58 dB	-25.66 dB
-7.538 MHz	-7.500 MHz	300.000 Hz	813.98125 MHz	-63.45 dBm	-83.37 dB	-43.45 dB
7.500 MHz	7.538 MHz	300.000 Hz	829.01875 MHz	-62.06 dBm	-81.98 dB	-42.06 dB
7.538 MHz	15.000 MHz	100.000 kHz	829.14660 MHz	-37.10 dBm	-57.02 dB	-24.10 dB

Date: 3.AUG.2021 21:53:27

Conducted Spurious Emission

LTE Band 26 / 1.4MHz

Lowest Channel / QPSK

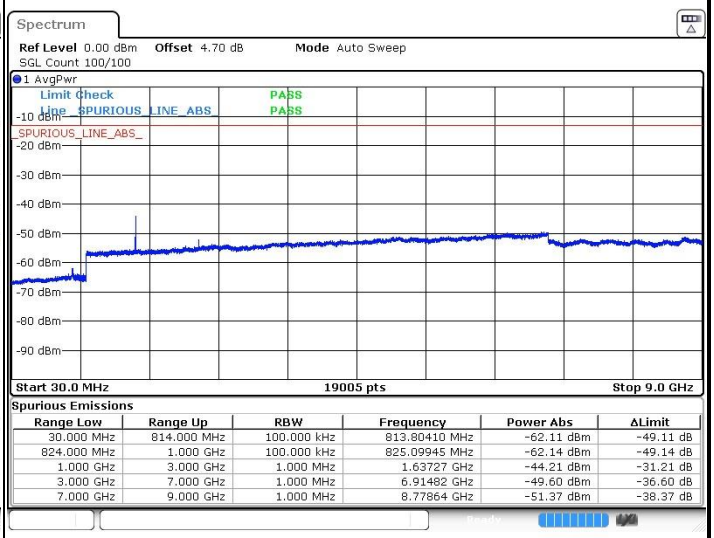


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-25.88 dBm	-12.88 dB
824.000 MHz	1.000 GHz	100.000 kHz	893.88106 MHz	-64.03 dBm	-51.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62887 GHz	-43.95 dBm	-30.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95481 GHz	-49.62 dBm	-36.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.75265 GHz	-51.30 dBm	-38.30 dB

Date: 3.AUG.2021 20:51:05

Middle Channel / QPSK

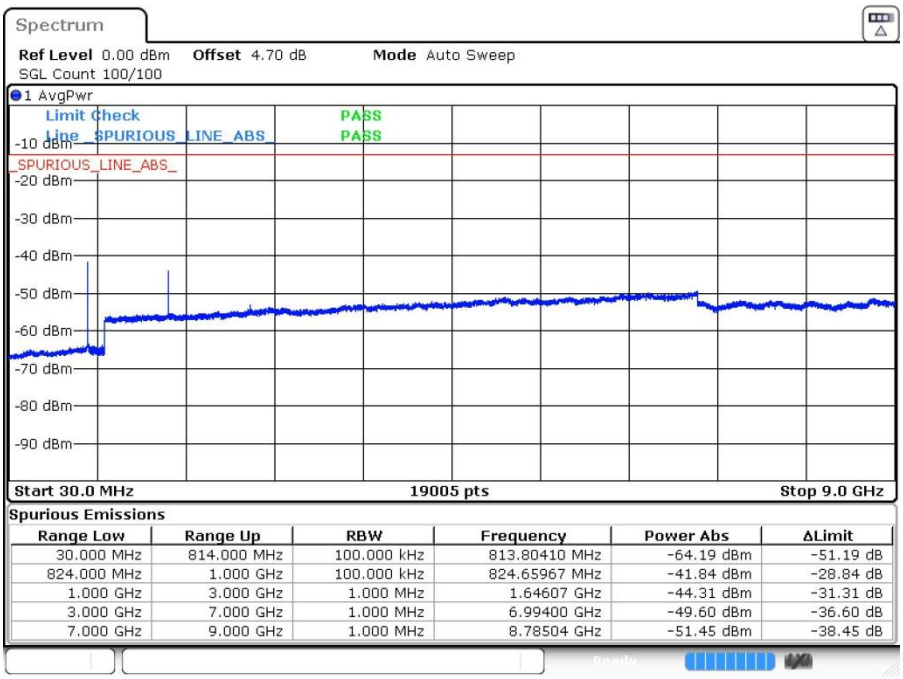


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-62.11 dBm	-49.11 dB
824.000 MHz	1.000 GHz	100.000 kHz	825.09945 MHz	-62.14 dBm	-49.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63727 GHz	-44.21 dBm	-31.21 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91482 GHz	-49.60 dBm	-36.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77864 GHz	-51.37 dBm	-38.37 dB

Date: 3.AUG.2021 20:51:26

Highest Channel / QPSK



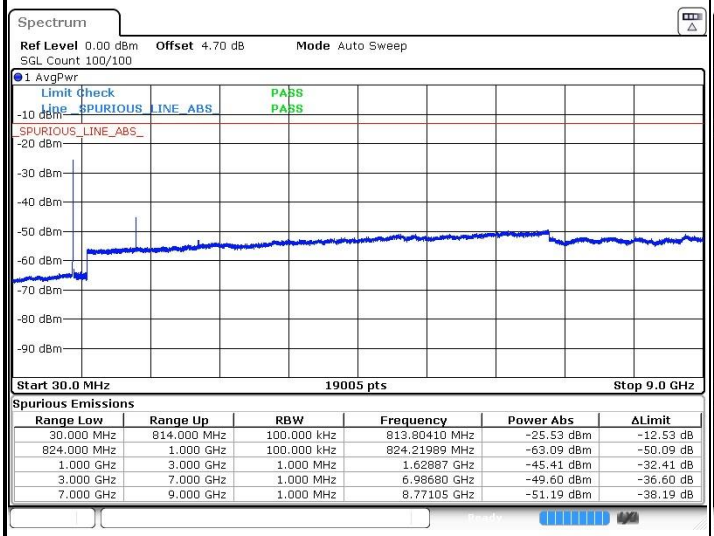
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-64.19 dBm	-51.19 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.65967 MHz	-41.84 dBm	-28.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64607 GHz	-44.31 dBm	-31.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99400 GHz	-49.60 dBm	-36.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78504 GHz	-51.45 dBm	-38.45 dB

Date: 3.AUG.2021 20:51:47

LTE Band 26 / 3MHz

Lowest Channel / QPSK

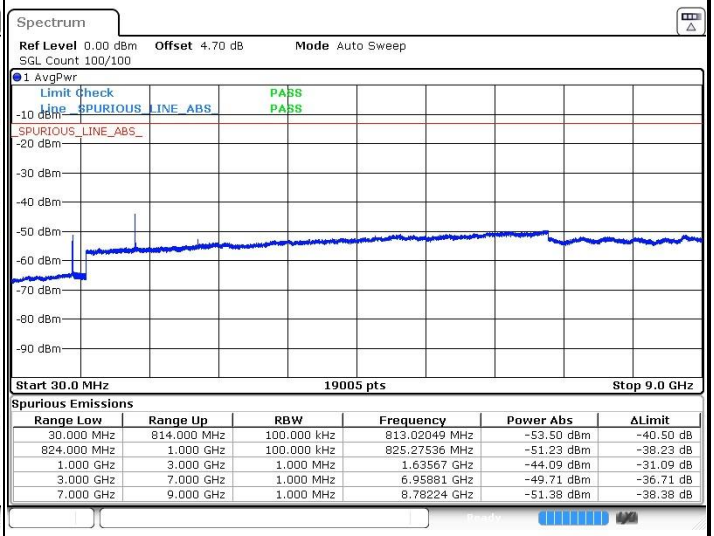


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-25.53 dBm	-12.53 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.21989 MHz	-63.09 dBm	-50.09 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62887 GHz	-45.41 dBm	-32.41 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98680 GHz	-49.60 dBm	-36.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77105 GHz	-51.19 dBm	-38.19 dB

Date: 3.AUG.2021 21:07:01

Middle Channel / QPSK

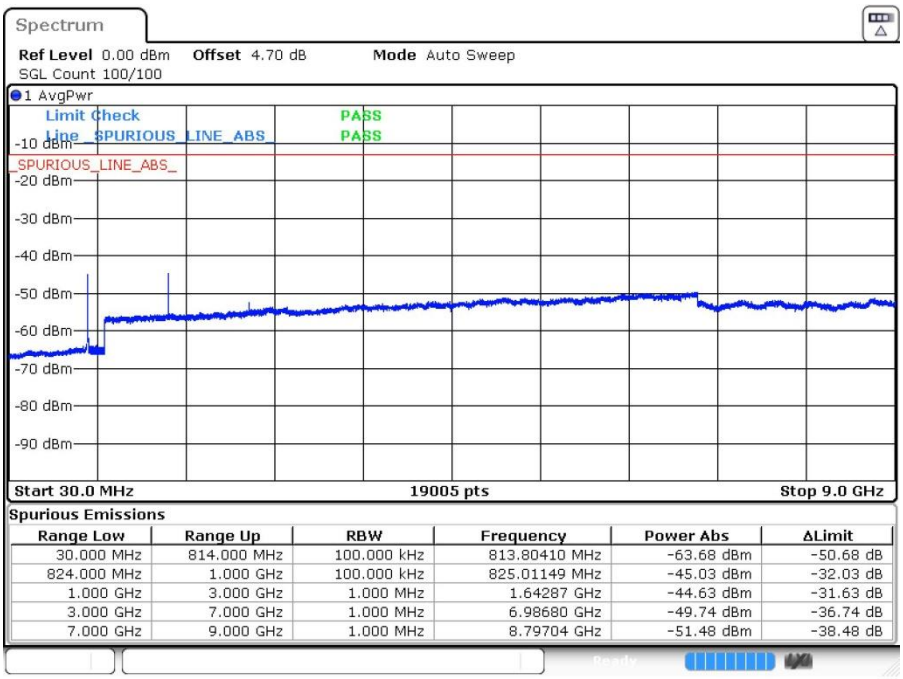


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.02049 MHz	-53.50 dBm	-40.50 dB
824.000 MHz	1.000 GHz	100.000 kHz	825.27536 MHz	-51.23 dBm	-38.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63567 GHz	-44.09 dBm	-31.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95881 GHz	-49.71 dBm	-36.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78224 GHz	-51.38 dBm	-38.38 dB

Date: 3.AUG.2021 21:07:22

Highest Channel / QPSK



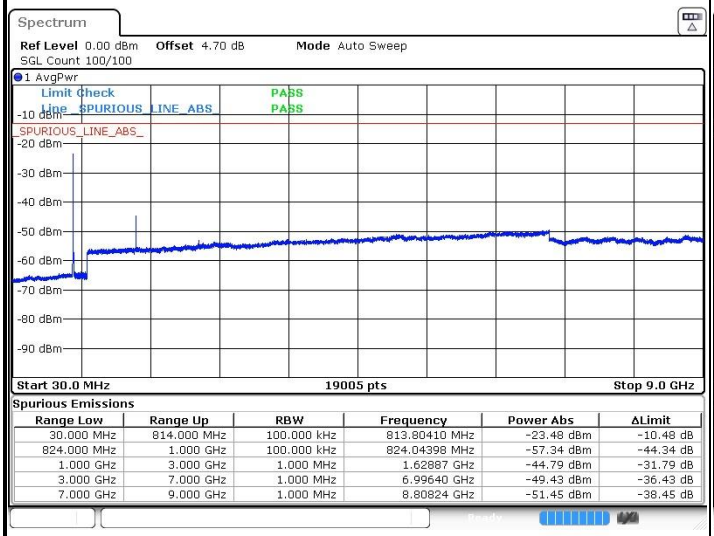
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-63.68 dBm	-50.68 dB
824.000 MHz	1.000 GHz	100.000 kHz	825.01149 MHz	-45.03 dBm	-32.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64287 GHz	-44.63 dBm	-31.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98680 GHz	-49.74 dBm	-36.74 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79704 GHz	-51.48 dBm	-38.48 dB

Date: 3.AUG.2021 21:07:43

LTE Band 26 / 5MHz

Lowest Channel / QPSK

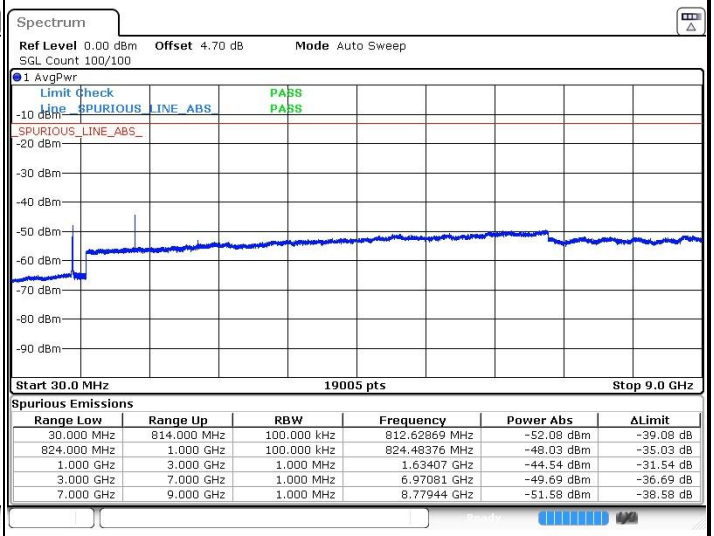


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-23.48 dBm	-10.48 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.04398 MHz	-57.34 dBm	-44.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.62887 GHz	-44.79 dBm	-31.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99640 GHz	-49.43 dBm	-36.43 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80824 GHz	-51.45 dBm	-38.45 dB

Date: 3.AUG.2021 21:19:56

Middle Channel / QPSK

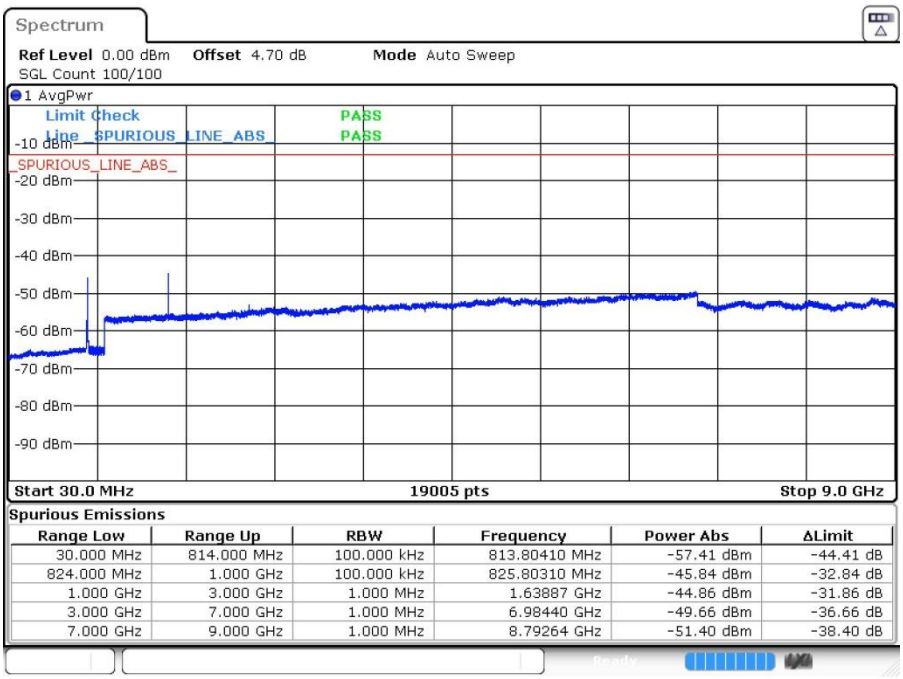


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	812.62869 MHz	-52.08 dBm	-39.08 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.48376 MHz	-48.03 dBm	-35.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63407 GHz	-44.54 dBm	-31.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97081 GHz	-49.69 dBm	-36.69 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77944 GHz	-51.58 dBm	-38.58 dB

Date: 3.AUG.2021 21:20:17

Highest Channel / QPSK



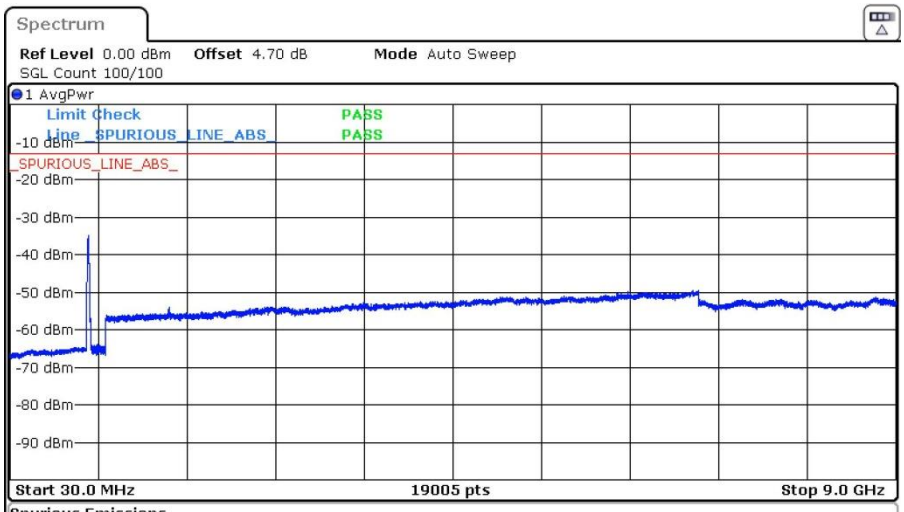
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-57.41 dBm	-44.41 dB
824.000 MHz	1.000 GHz	100.000 kHz	825.80310 MHz	-45.84 dBm	-32.84 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63887 GHz	-44.86 dBm	-31.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98440 GHz	-49.66 dBm	-36.66 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79264 GHz	-51.40 dBm	-38.40 dB

Date: 3.AUG.2021 21:20:38

LTE Band 26 / 10MHz

Middle Channel / QPSK



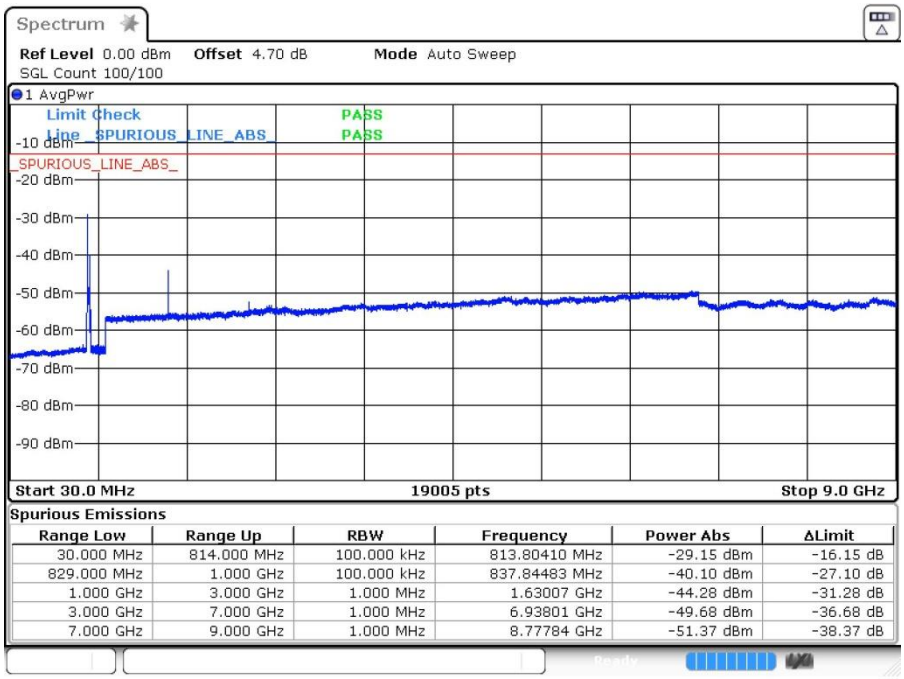
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	814.000 MHz	100.000 kHz	813.80410 MHz	-35.80 dBm	-22.80 dB
824.000 MHz	1.000 GHz	100.000 kHz	824.04398 MHz	-34.82 dBm	-21.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.77864 GHz	-53.91 dBm	-40.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99720 GHz	-49.51 dBm	-36.51 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79024 GHz	-51.42 dBm	-38.42 dB

Date: 3 AUG 2021 21:37:41

LTE Band 26 / 15MHz

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	-29.15 dBm	-16.15 dB
829.000 MHz	1.000 GHz	100.000 kHz	837.84483 MHz	-40.10 dBm	-27.10 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.63007 GHz	-44.28 dBm	-31.28 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93801 GHz	-49.68 dBm	-36.68 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77784 GHz	-51.37 dBm	-38.37 dB

Date: 3 AUG 2021 22:01:07

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	0.0017	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 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

LTE Band 26 / 10MHz / 64QAM								
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	1628	-63.69	-13	-50.69	-70.66	1.58	10.70	H
	2444	-58.95	-13	-45.95	-67.20	2.102	12.50	H
	3258	-58.11	-13	-45.11	-67.00	2.856	13.90	H
	1628	-62.32	-13	-49.32	-69.29	1.58	10.70	V
	2444	-57.11	-13	-44.11	-65.36	2.10	12.50	V
	3258	-57.72	-13	-44.72	-66.61	2.86	13.90	V

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