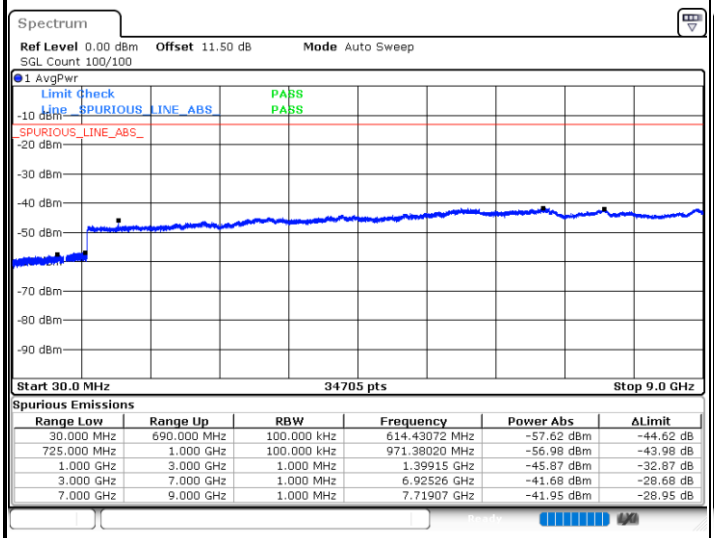
LTE Band 12 / 5MHz

Lowest Channel / QPSK

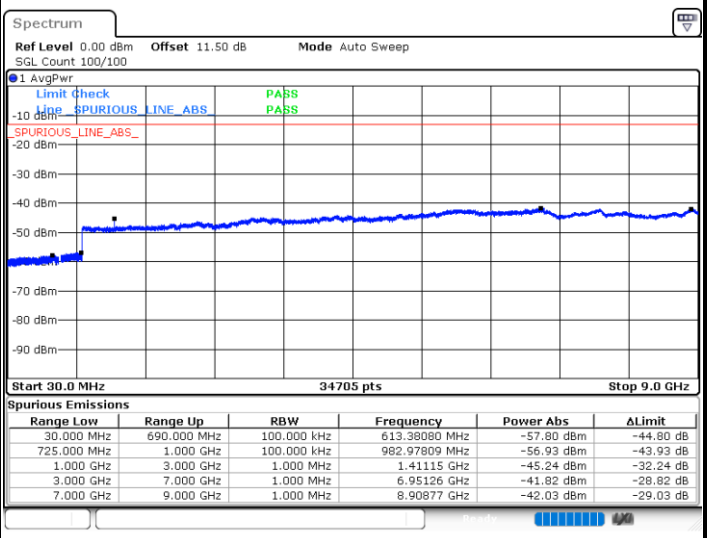


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	614.43072 MHz	-57.62 dBm	-44.62 dB
725.000 MHz	1.000 GHz	100.000 kHz	971.38020 MHz	-56.98 dBm	-43.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-45.87 dBm	-32.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92526 GHz	-41.68 dBm	-28.68 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.71907 GHz	-41.95 dBm	-28.95 dB

Date: 20.FEB.2024 15:07:05

Middle Channel / QPSK

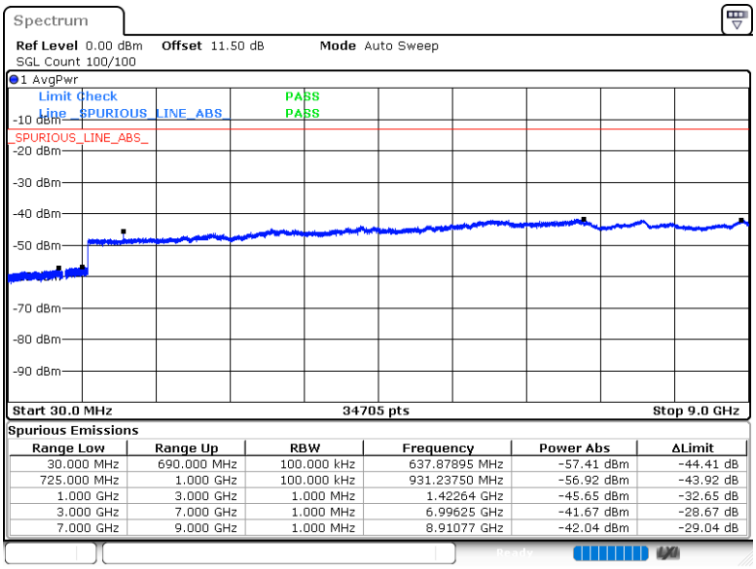


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	613.38080 MHz	-57.80 dBm	-44.80 dB
725.000 MHz	1.000 GHz	100.000 kHz	982.97809 MHz	-56.93 dBm	-43.93 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-45.24 dBm	-32.24 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95126 GHz	-41.82 dBm	-28.82 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90877 GHz	-42.03 dBm	-29.03 dB

Date: 20.FEB.2024 15:08:21

Highest Channel / QPSK



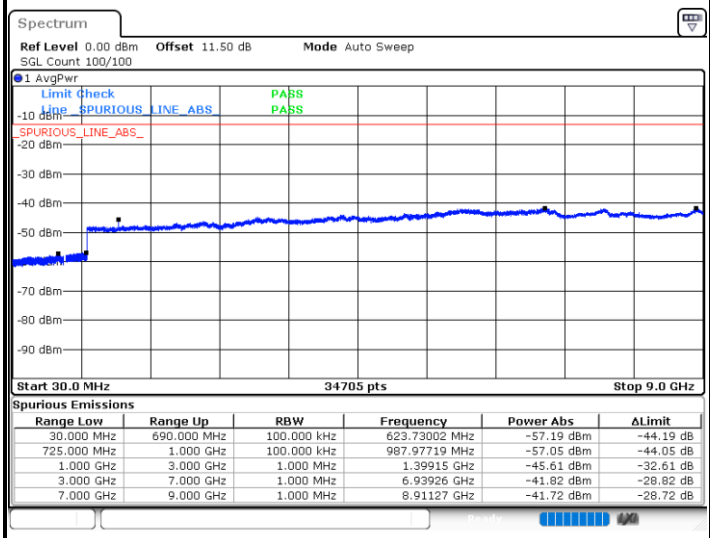
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	637.87895 MHz	-57.41 dBm	-44.41 dB
725.000 MHz	1.000 GHz	100.000 kHz	931.23750 MHz	-56.92 dBm	-43.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42264 GHz	-45.65 dBm	-32.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-41.67 dBm	-28.67 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91077 GHz	-42.04 dBm	-29.04 dB

Date: 20.FEB.2024 15:09:38

LTE Band 12 / 10MHz

Lowest Channel / QPSK

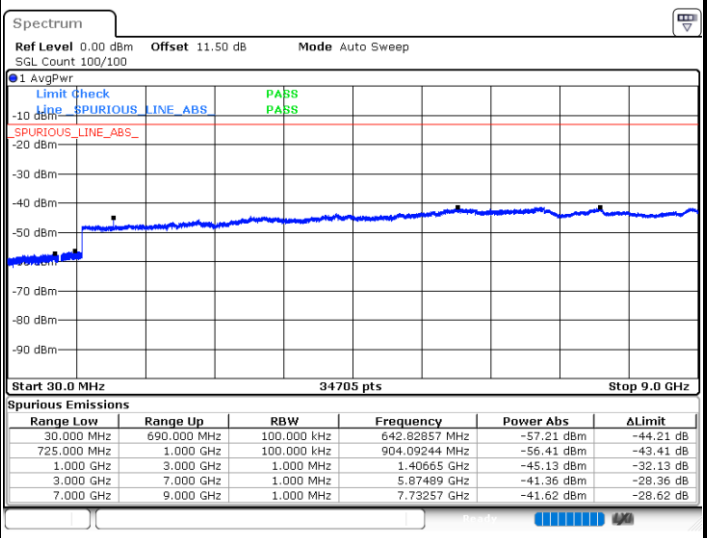


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	623.73002 MHz	-57.19 dBm	-44.19 dB
725.000 MHz	1.000 GHz	100.000 kHz	987.97719 MHz	-57.05 dBm	-44.05 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-45.61 dBm	-32.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93926 GHz	-41.82 dBm	-28.82 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91127 GHz	-41.72 dBm	-28.72 dB

Date: 20.FEB.2024 15:10:59

Middle Channel / QPSK

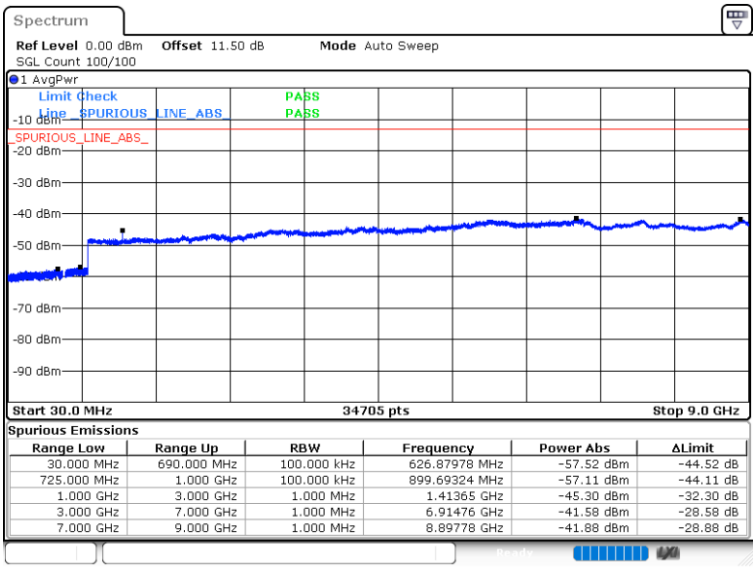


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	642.82857 MHz	-57.21 dBm	-44.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	904.09244 MHz	-56.41 dBm	-43.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-45.13 dBm	-32.13 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.87489 GHz	-41.36 dBm	-28.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.73257 GHz	-41.62 dBm	-28.62 dB

Date: 23.FEB.2024 14:10:27

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	626.87978 MHz	-57.52 dBm	-44.52 dB
725.000 MHz	1.000 GHz	100.000 kHz	899.69324 MHz	-57.11 dBm	-44.11 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-45.30 dBm	-32.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91476 GHz	-41.58 dBm	-28.58 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89778 GHz	-41.88 dBm	-28.88 dB

Date: 20.FEB.2024 15:13:32

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0153	PASS
40	Normal Voltage	0.0194	
30	Normal Voltage	0.0201	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0191	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0163	
-20	Normal Voltage	0.0085	
20	Maximum Voltage	0.0153	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0182	

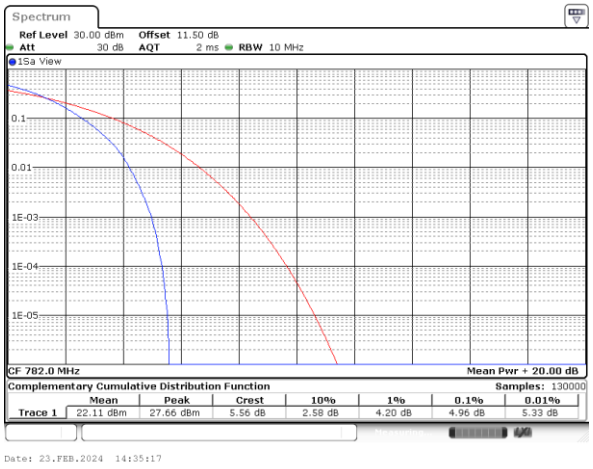
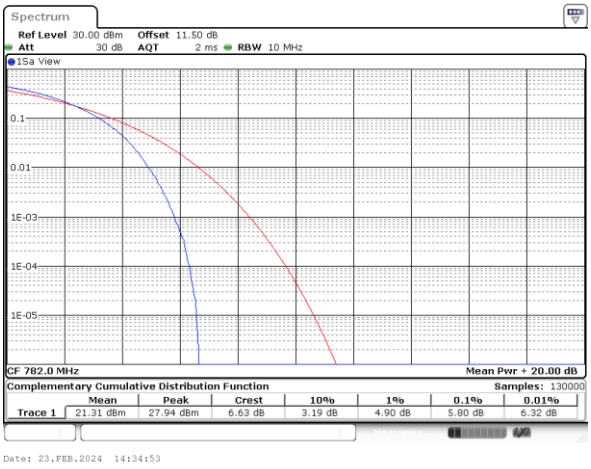
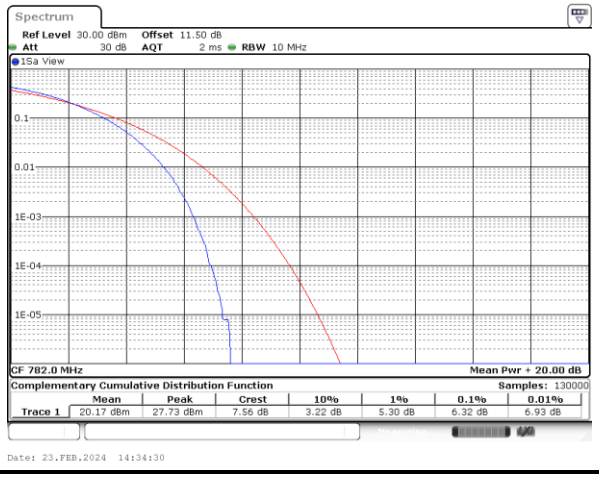
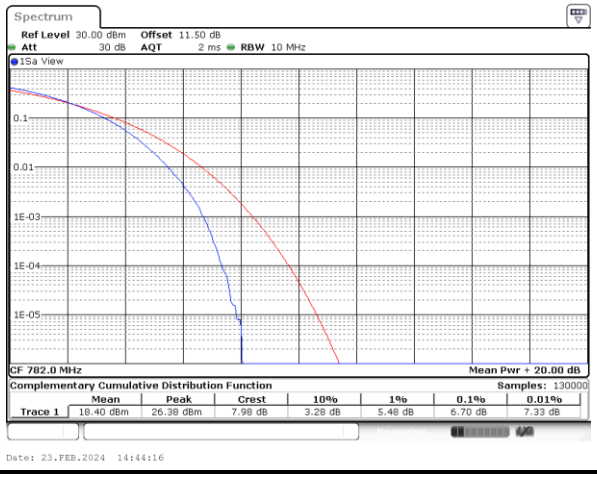
Note:

1. Normal Voltage = 3.8 V.；Battery End Point (BEP) = 3.6 V.；Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.96	5.80	6.32	6.70	PASS

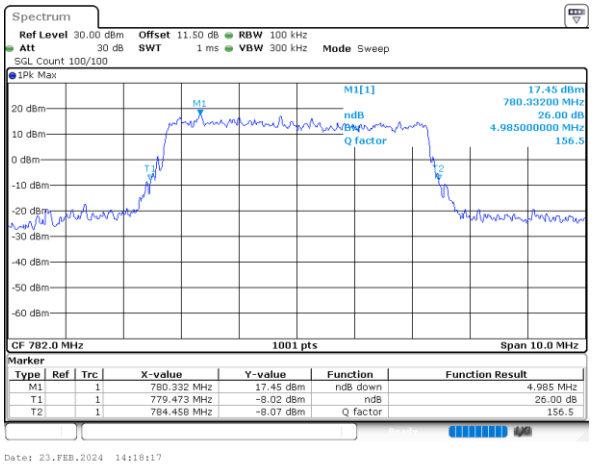
LTE Band 13 / 10MHz / QPSK	LTE Band 13 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 13 / 10MHz / 64QAM	LTE Band 13 / 10MHz / 256QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

26dB Bandwidth

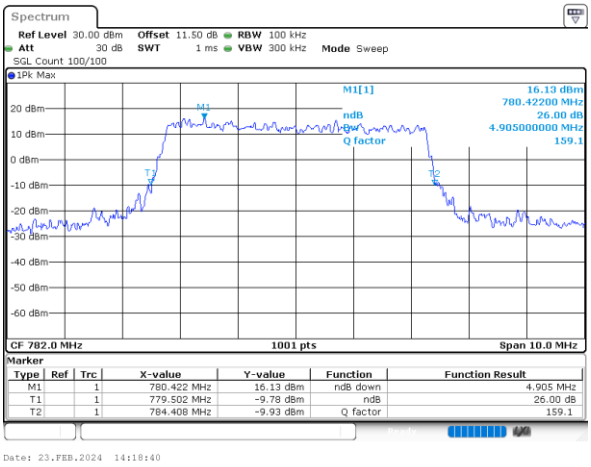
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.98	4.90	9.84	9.94	-	-	-	-
Mode	LTE Band 13 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.99	4.94	9.86	9.91	-	-	-	-

LTE Band 13

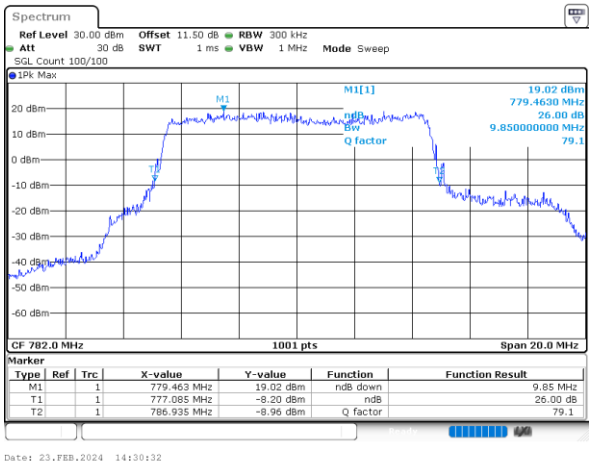
Middle Channel / 5MHz / QPSK



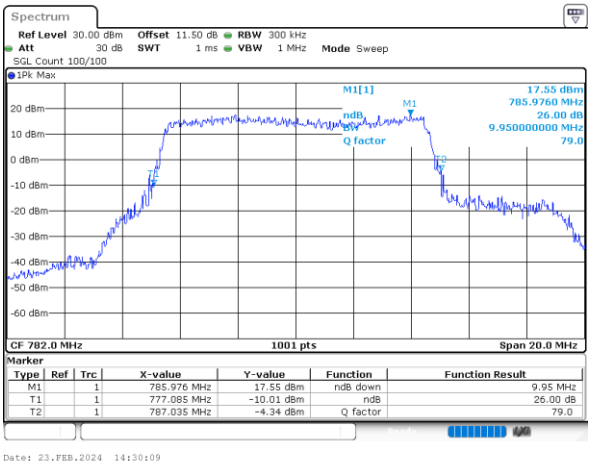
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

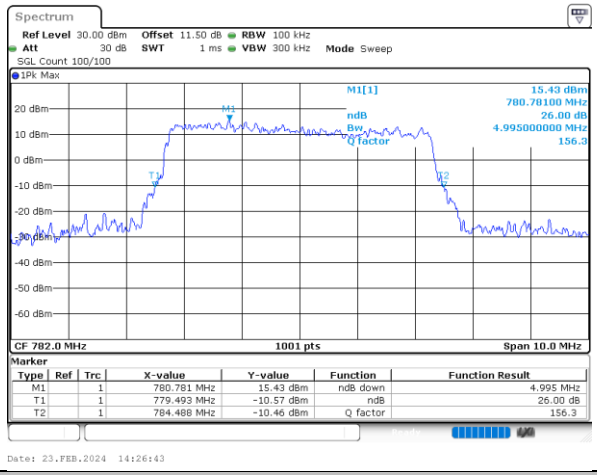


Middle Channel / 10MHz / 16QAM

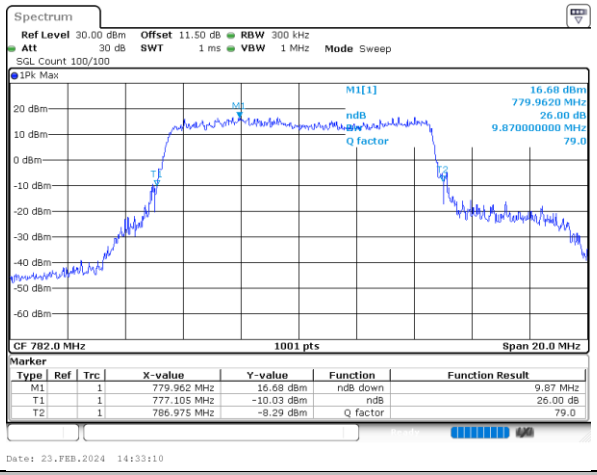


LTE Band 13

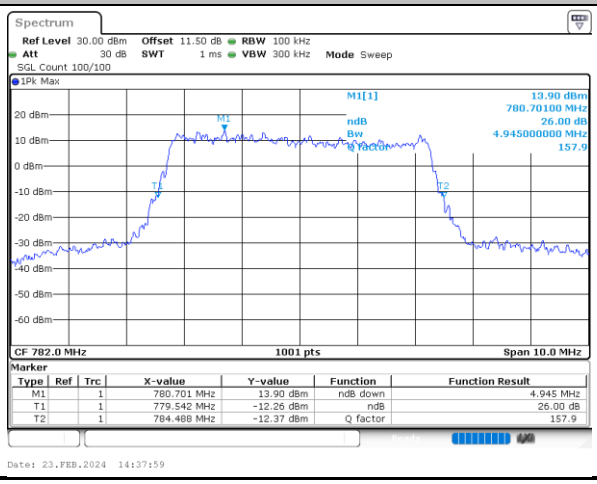
Middle Channel / 5MHz / 64QAM



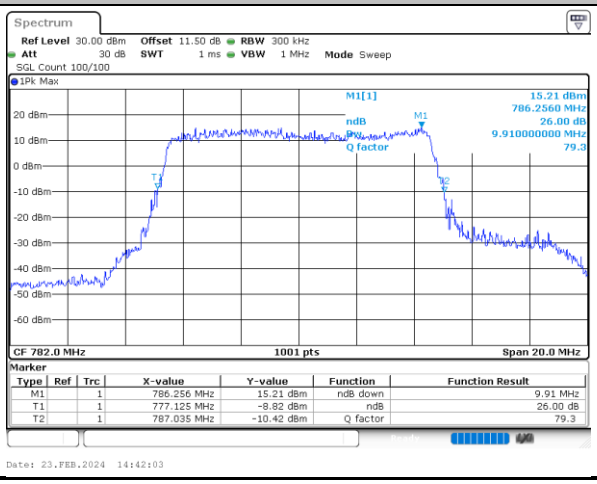
Middle Channel / 10MHz / 64QAM



Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

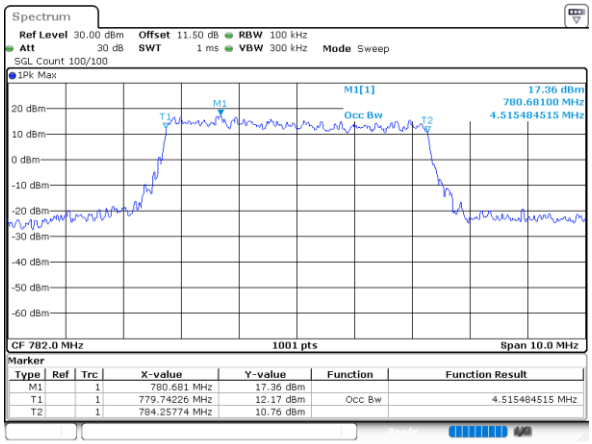


Occupied Bandwidth

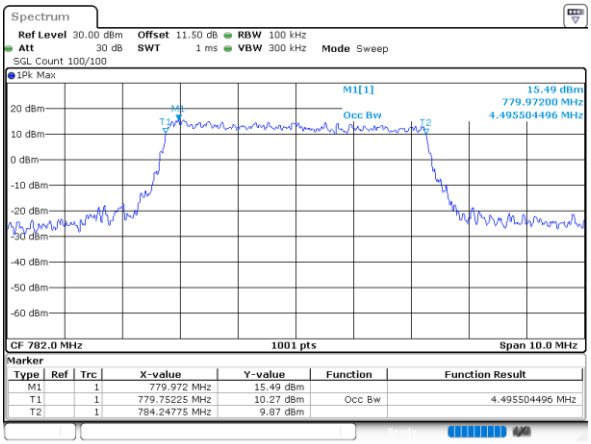
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.51	4.49	9.05	9.09	-	-	-	-
Mode	LTE Band 13 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.51	4.49	9.09	9.05	-	-	-	-

LTE Band 13

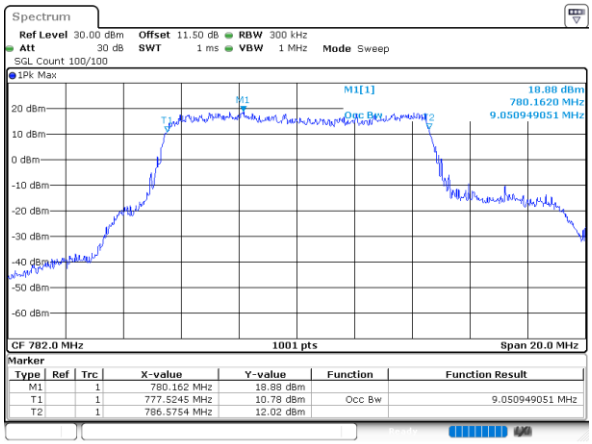
Middle Channel / 5MHz / QPSK



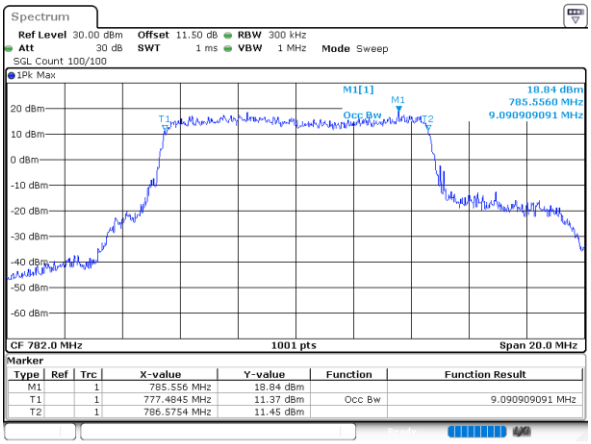
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

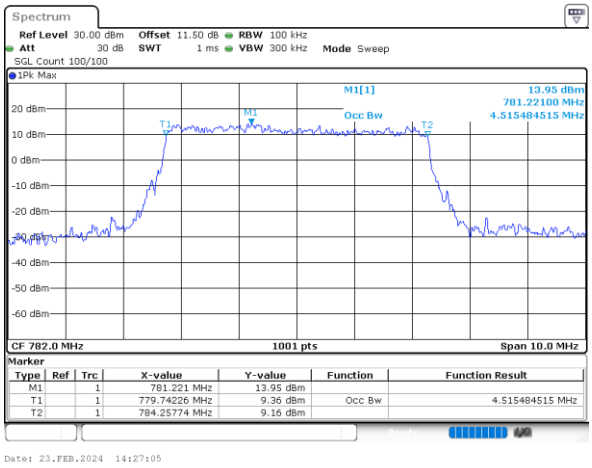


Middle Channel / 10MHz / 16QAM

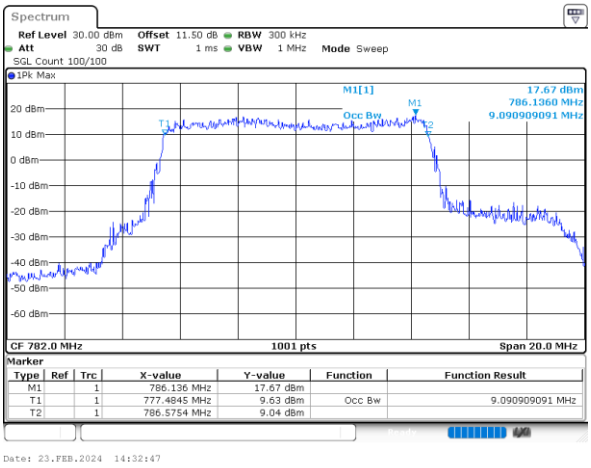


LTE Band 13

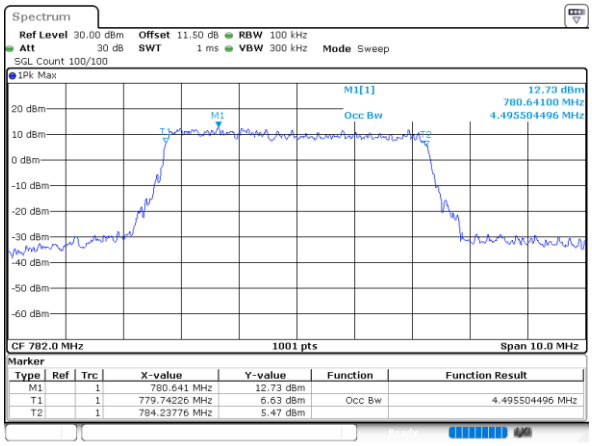
Middle Channel / 5MHz / 64QAM



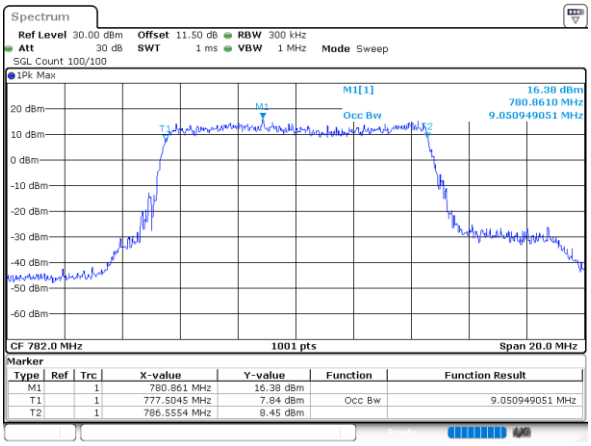
Middle Channel / 10MHz / 64QAM



Middle Channel / 5MHz / 256QAM



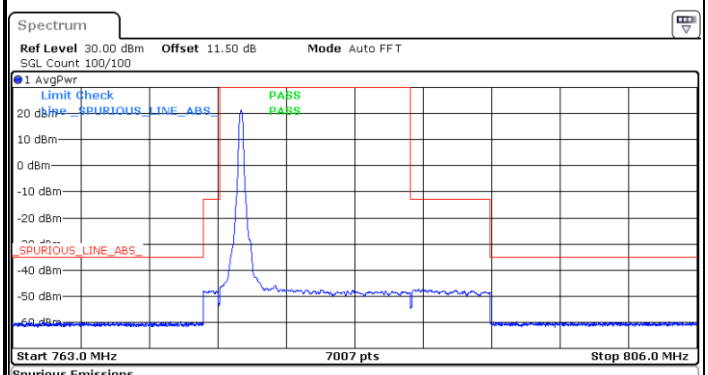
Middle Channel / 10MHz / 256QAM



Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

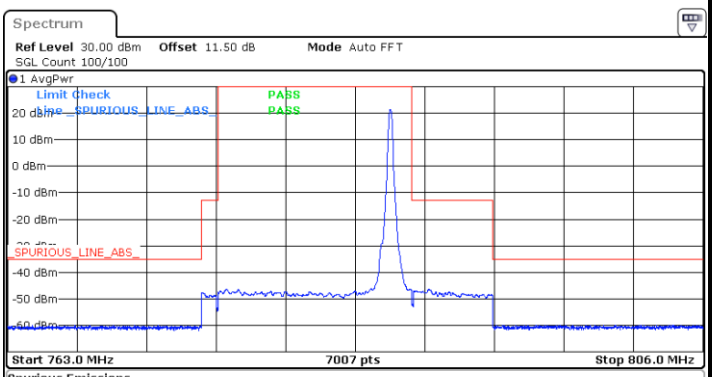


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.93207 MHz	-59.82 dBm	-24.82 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.00045 MHz	-47.91 dBm	-34.91 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92143 MHz	-52.76 dBm	-39.76 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.37263 MHz	21.22 dBm	-8.78 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07977 MHz	-53.61 dBm	-40.61 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.49895 MHz	-47.41 dBm	-34.41 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.24026 MHz	-59.74 dBm	-24.74 dB

Date: 23.FEB.2024 14:15:31

Highest Band Edge / 1 RB

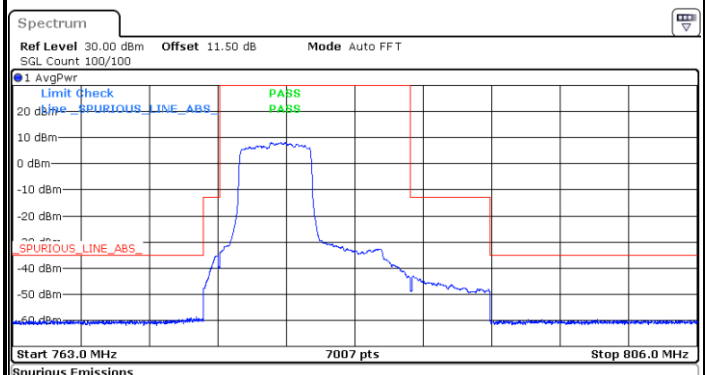


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.05295 MHz	-59.90 dBm	-24.90 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.02383 MHz	-47.84 dBm	-34.84 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90005 MHz	-53.06 dBm	-40.06 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.66334 MHz	21.34 dBm	-8.66 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03721 MHz	-52.18 dBm	-39.18 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.03741 MHz	-46.55 dBm	-33.55 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.21429 MHz	-59.87 dBm	-24.87 dB

Date: 23.FEB.2024 14:23:14

Lowest Band Edge / Full RB

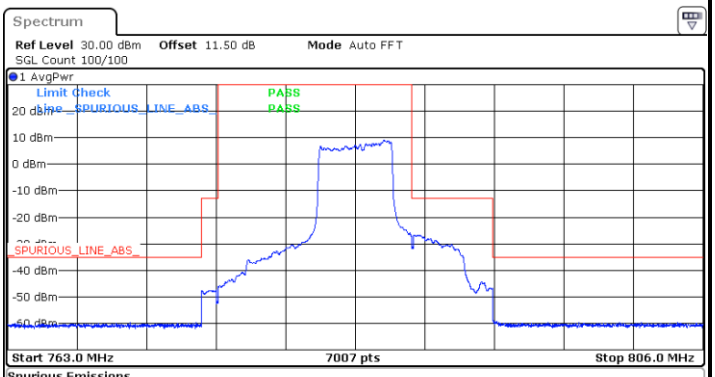


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.52647 MHz	-58.61 dBm	-23.61 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.79615 MHz	-35.45 dBm	-22.45 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95500 MHz	-39.39 dBm	-26.39 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.83017 MHz	8.12 dBm	-21.88 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08566 MHz	-48.25 dBm	-35.25 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.16119 MHz	-43.05 dBm	-30.05 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.26623 MHz	-59.56 dBm	-24.56 dB

Date: 23.FEB.2024 14:12:38

Highest Band Edge / Full RB



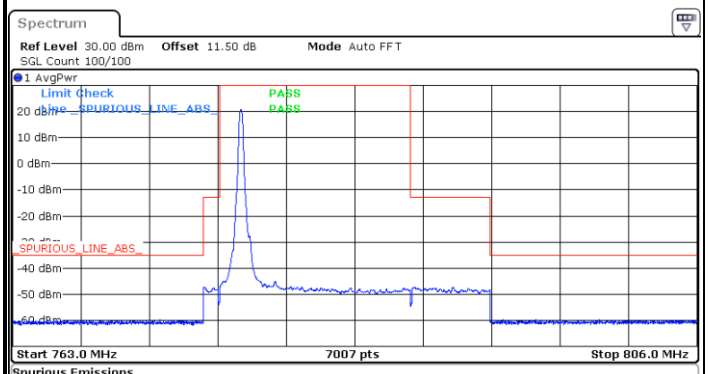
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.59441 MHz	-59.83 dBm	-24.83 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-47.55 dBm	-34.55 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96698 MHz	-51.81 dBm	-38.81 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.26773 MHz	9.06 dBm	-20.94 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07478 MHz	-31.10 dBm	-18.10 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-26.83 dBm	-13.83 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-59.11 dBm	-24.11 dB

Date: 23.FEB.2024 14:20:22

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

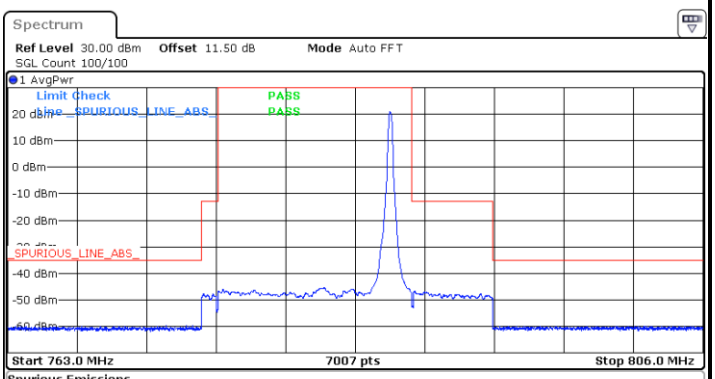


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.24875 MHz	-59.84 dBm	-24.84 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.04091 MHz	-47.35 dBm	-34.35 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98926 MHz	-52.99 dBm	-39.99 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.34865 MHz	20.71 dBm	-9.29 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07767 MHz	-53.17 dBm	-40.17 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.24930 MHz	-47.35 dBm	-34.35 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.85065 MHz	-59.59 dBm	-24.59 dB

Date: 23.FEB.2024 14:14:34

Highest Band Edge / 1 RB

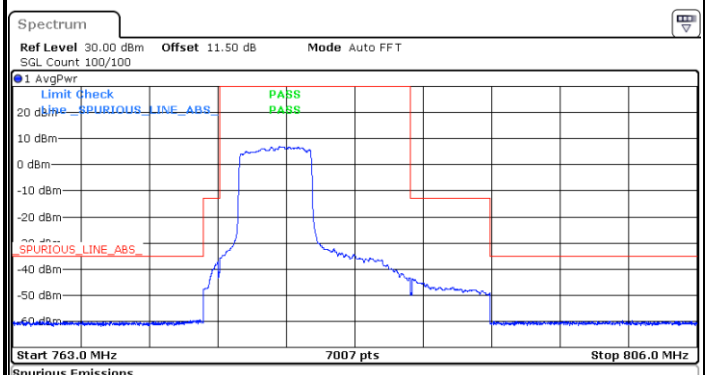


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.80020 MHz	-59.80 dBm	-24.80 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.10475 MHz	-47.89 dBm	-34.89 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99645 MHz	-53.34 dBm	-40.34 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63936 MHz	20.89 dBm	-9.11 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-52.39 dBm	-39.39 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.16608 MHz	-46.60 dBm	-33.60 dB
793.000 MHz	806.000 MHz	6.250 kHz	802.48701 MHz	-59.96 dBm	-24.96 dB

Date: 23.FEB.2024 14:22:16

Lowest Band Edge / Full RB

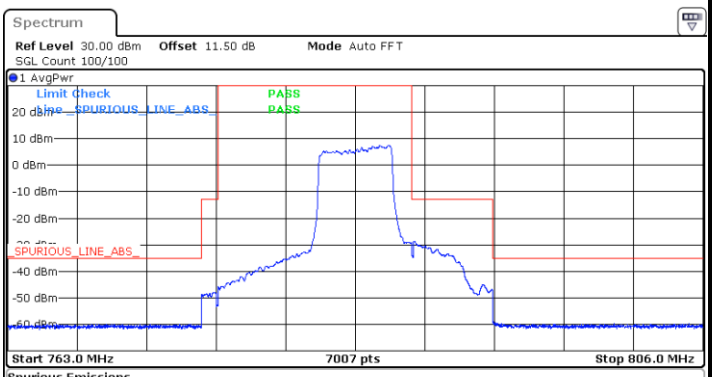


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.76623 MHz	-59.50 dBm	-24.50 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-37.07 dBm	-24.07 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97617 MHz	-41.12 dBm	-28.12 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.78222 MHz	6.91 dBm	-23.09 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04920 MHz	-49.23 dBm	-36.23 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-43.75 dBm	-30.75 dB
793.000 MHz	806.000 MHz	6.250 kHz	801.92857 MHz	-59.79 dBm	-24.79 dB

Date: 23.FEB.2024 14:13:36

Highest Band Edge / Full RB



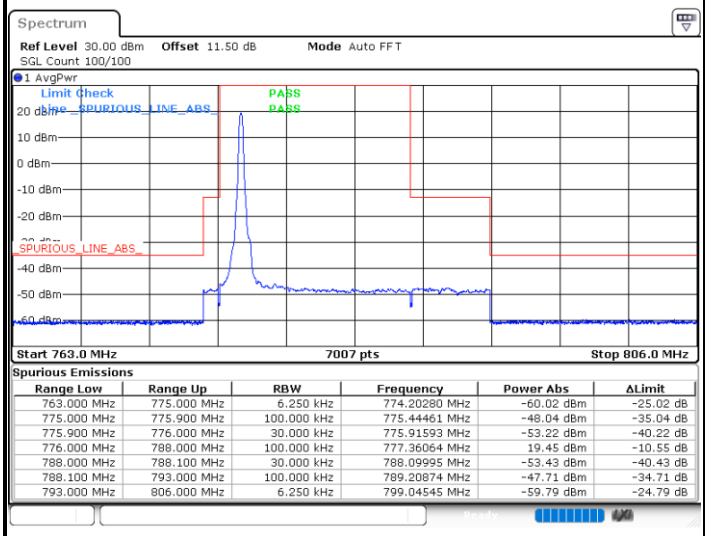
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.22677 MHz	-59.90 dBm	-24.90 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.69815 MHz	-48.07 dBm	-35.07 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90005 MHz	-52.22 dBm	-39.22 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.55544 MHz	7.46 dBm	-22.54 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06628 MHz	-33.99 dBm	-20.99 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10734 MHz	-28.72 dBm	-15.72 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.01948 MHz	-58.96 dBm	-23.96 dB

Date: 23.FEB.2024 14:21:19

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

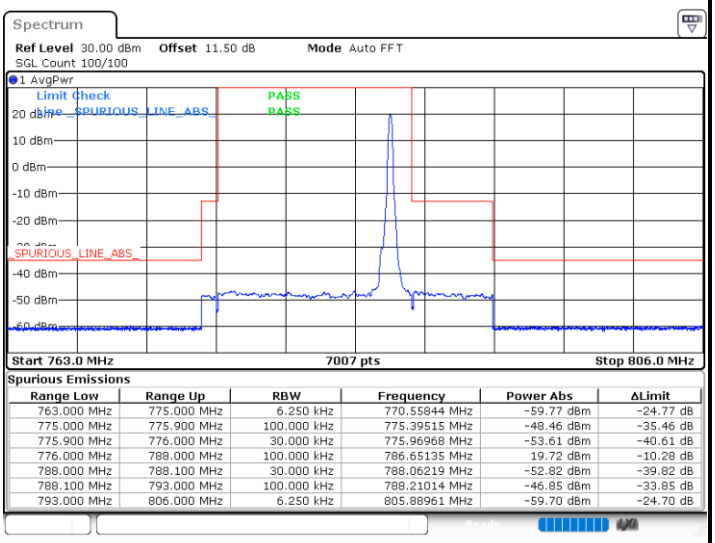


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.20280 MHz	-60.02 dBm	-25.02 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.44461 MHz	-48.04 dBm	-35.04 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91593 MHz	-53.22 dBm	-40.22 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.36064 MHz	19.45 dBm	-10.55 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09995 MHz	-53.43 dBm	-40.43 dB
788.100 MHz	793.000 MHz	100.000 kHz	789.20874 MHz	-47.71 dBm	-34.71 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.04545 MHz	-59.79 dBm	-24.79 dB

Date: 23.FEB.2024 14:26:19

Highest Band Edge / 1 RB

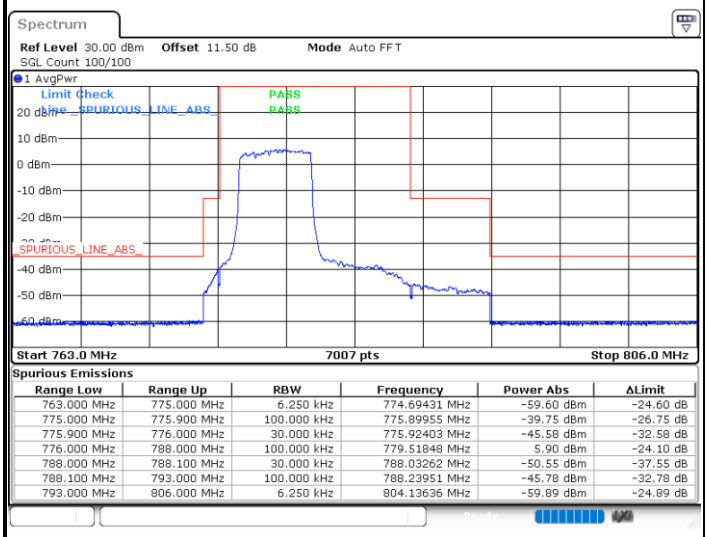


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.55844 MHz	-59.77 dBm	-24.77 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.39515 MHz	-48.46 dBm	-35.46 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96968 MHz	-53.61 dBm	-40.61 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.65135 MHz	19.72 dBm	-10.28 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.06219 MHz	-52.82 dBm	-39.82 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.21014 MHz	-46.85 dBm	-33.85 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.88961 MHz	-59.70 dBm	-24.70 dB

Date: 23.FEB.2024 14:28:59

Lowest Band Edge / Full RB

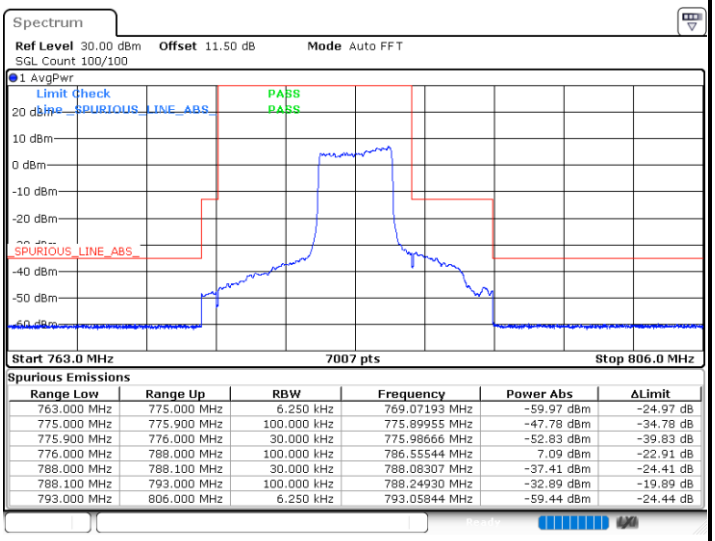


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.69431 MHz	-59.60 dBm	-24.60 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-39.75 dBm	-26.75 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92403 MHz	-45.58 dBm	-32.58 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.51848 MHz	5.90 dBm	-24.10 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03262 MHz	-50.55 dBm	-37.55 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.23951 MHz	-45.78 dBm	-32.78 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.13636 MHz	-59.89 dBm	-24.89 dB

Date: 23.FEB.2024 14:25:22

Highest Band Edge / Full RB



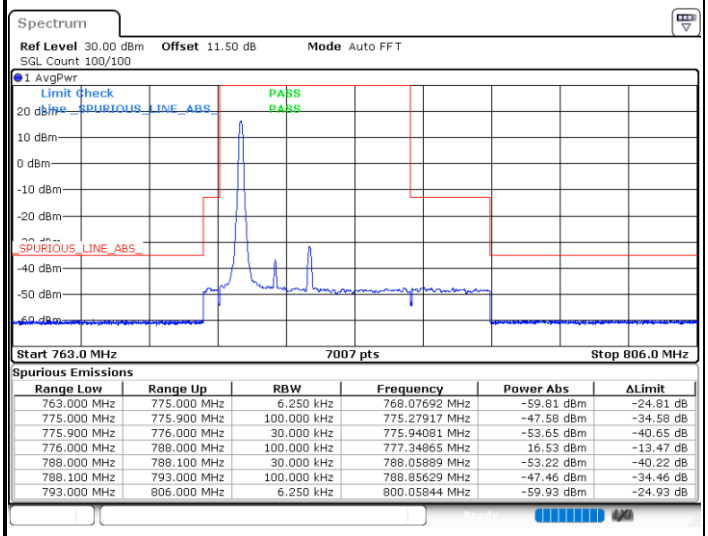
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.07193 MHz	-59.97 dBm	-24.97 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-47.78 dBm	-34.78 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98666 MHz	-52.83 dBm	-39.83 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.55544 MHz	7.09 dBm	-22.91 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08307 MHz	-37.41 dBm	-24.41 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.24930 MHz	-32.89 dBm	-19.89 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.05844 MHz	-59.44 dBm	-24.44 dB

Date: 23.FEB.2024 14:28:02

LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

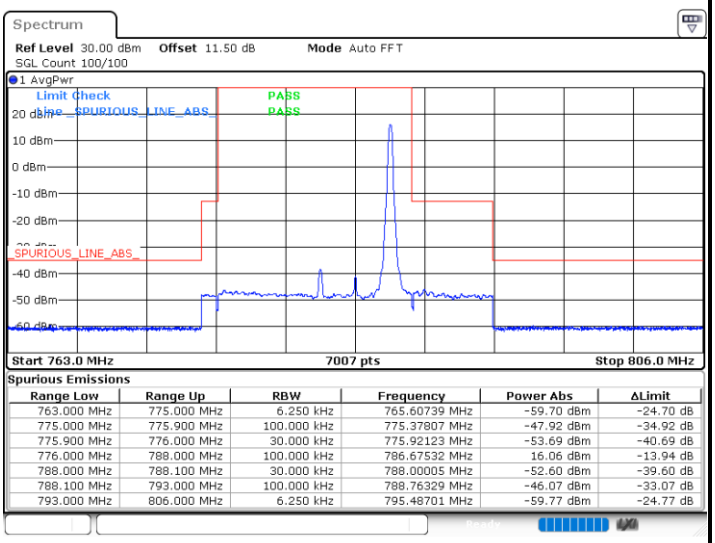


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.07692 MHz	-59.81 dBm	-24.81 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.27917 MHz	-47.58 dBm	-34.58 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94081 MHz	-53.65 dBm	-40.65 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.34865 MHz	16.53 dBm	-13.47 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05889 MHz	-53.22 dBm	-40.22 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.85629 MHz	-47.46 dBm	-34.46 dB
793.000 MHz	806.000 MHz	6.250 kHz	800.05844 MHz	-59.93 dBm	-24.93 dB

Date: 23.FEB.2024 14:37:15

Highest Band Edge / 1 RB

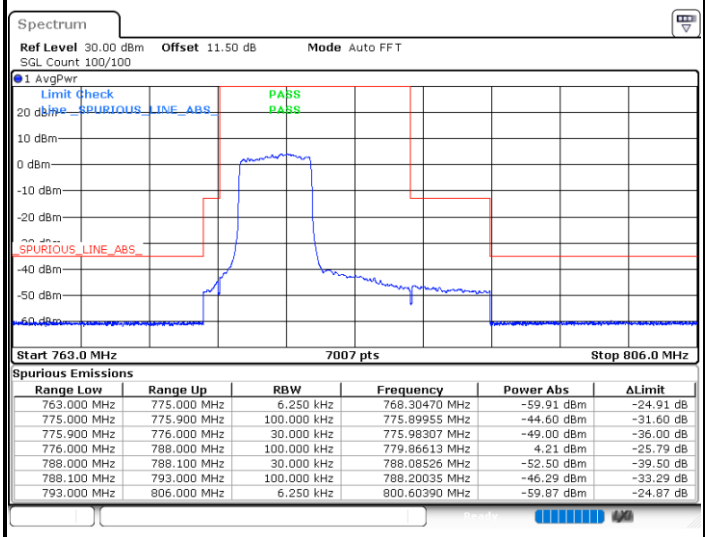


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	765.60739 MHz	-59.70 dBm	-24.70 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.37807 MHz	-47.92 dBm	-34.92 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92123 MHz	-53.69 dBm	-40.69 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.67532 MHz	16.06 dBm	-13.94 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00005 MHz	-52.60 dBm	-39.60 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.76329 MHz	-46.07 dBm	-33.07 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.48701 MHz	-59.77 dBm	-24.77 dB

Date: 23.FEB.2024 14:41:12

Lowest Band Edge / Full RB

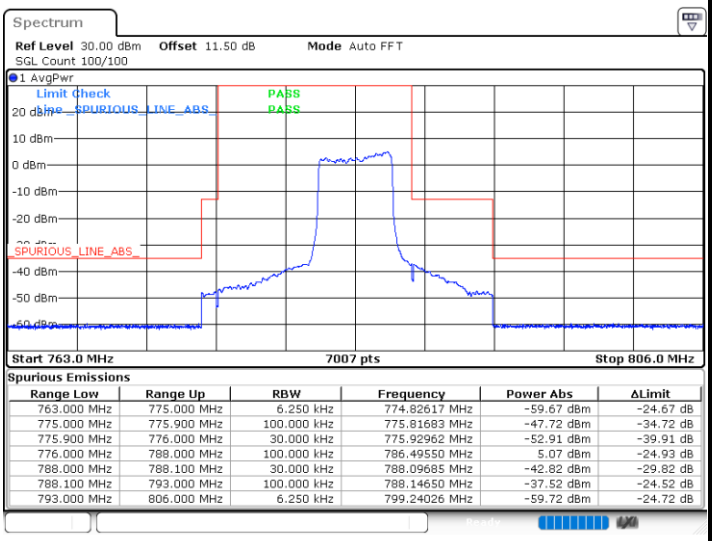


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.30470 MHz	-59.91 dBm	-24.91 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-44.60 dBm	-31.60 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98307 MHz	-49.00 dBm	-36.00 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.86613 MHz	4.21 dBm	-25.79 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08526 MHz	-52.50 dBm	-39.50 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.20035 MHz	-46.29 dBm	-33.29 dB
793.000 MHz	806.000 MHz	6.250 kHz	800.60390 MHz	-59.87 dBm	-24.87 dB

Date: 23.FEB.2024 14:36:15

Highest Band Edge / Full RB



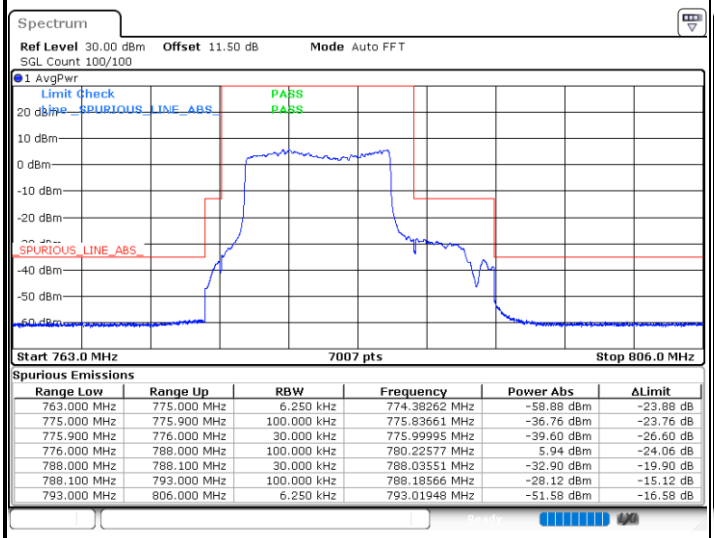
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.82617 MHz	-59.67 dBm	-24.67 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.81683 MHz	-47.72 dBm	-34.72 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92962 MHz	-52.91 dBm	-39.91 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.49550 MHz	5.07 dBm	-24.93 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09685 MHz	-42.82 dBm	-29.82 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.14650 MHz	-37.52 dBm	-24.52 dB
793.000 MHz	806.000 MHz	6.250 kHz	799.24026 MHz	-59.72 dBm	-24.72 dB

Date: 23.FEB.2024 14:40:12

LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB



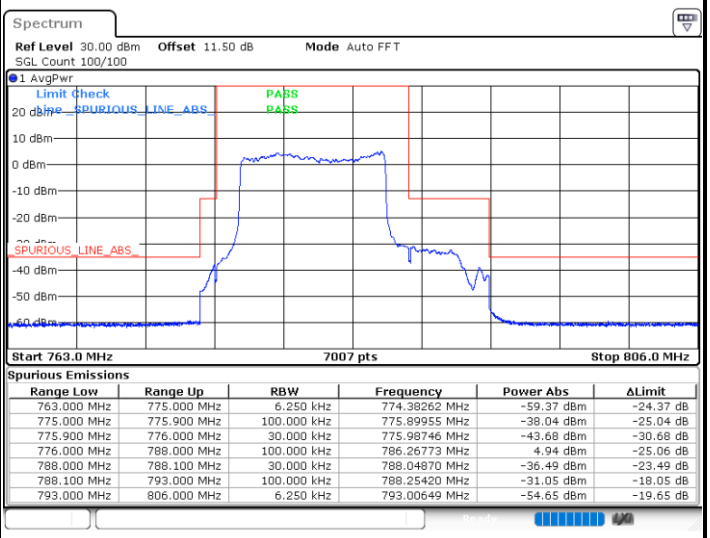
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.38262 MHz	-58.88 dBm	-23.88 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.83661 MHz	-36.76 dBm	-23.76 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-39.60 dBm	-26.60 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.22577 MHz	5.94 dBm	-24.06 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.03551 MHz	-32.90 dBm	-19.90 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18566 MHz	-28.12 dBm	-15.12 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.01948 MHz	-51.58 dBm	-16.58 dB

Date: 23.FEB.2024 14:31:28

LTE Band 13 / 10MHz / 16QAM

Band Edge / Full RB



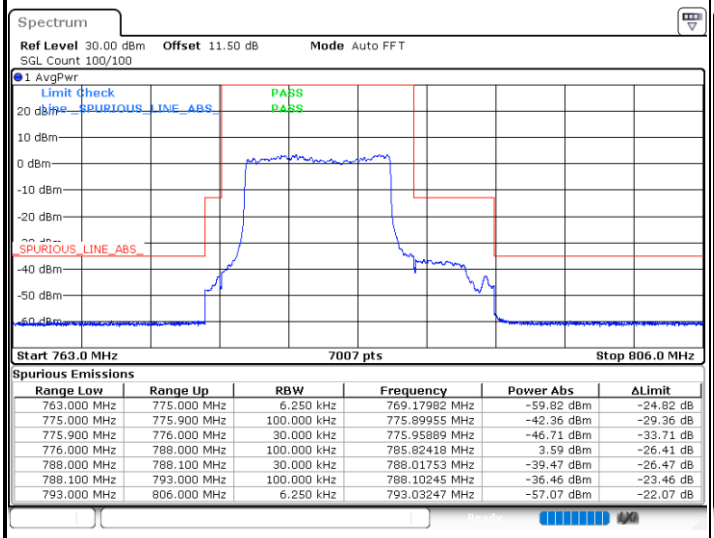
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.38262 MHz	-59.37 dBm	-24.37 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-38.04 dBm	-25.04 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98746 MHz	-43.68 dBm	-30.68 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.26773 MHz	4.94 dBm	-25.06 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04870 MHz	-36.49 dBm	-23.49 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.25420 MHz	-31.05 dBm	-18.05 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-54.65 dBm	-19.65 dB

Date: 23.FEB.2024 14:32:24

LTE Band 13 / 10MHz / 64QAM

Band Edge / Full RB



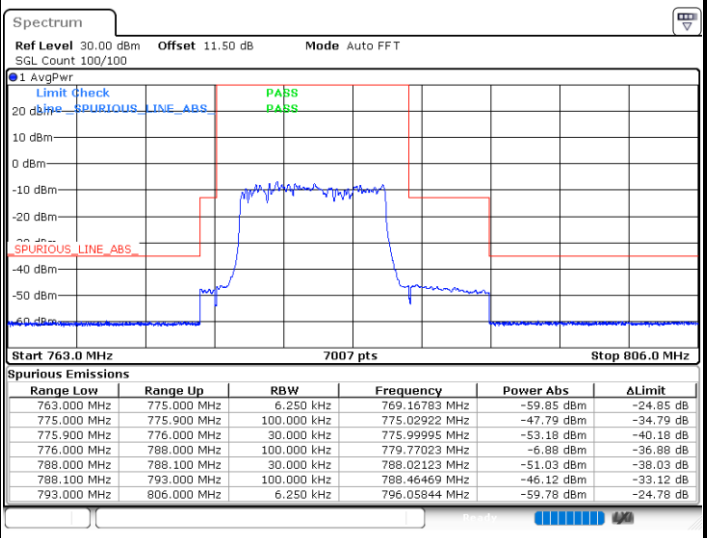
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.17982 MHz	-59.82 dBm	-24.82 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-42.36 dBm	-29.36 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95889 MHz	-46.71 dBm	-33.71 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.82418 MHz	3.59 dBm	-26.41 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01753 MHz	-39.47 dBm	-26.47 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-36.46 dBm	-23.46 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-57.07 dBm	-22.07 dB

Date: 23.FEB.2024 14:34:06

LTE Band 13 / 10MHz / 256QAM

Band Edge / Full RB



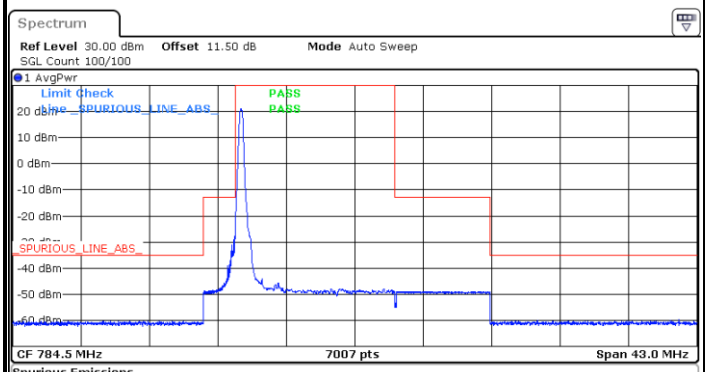
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.16783 MHz	-59.85 dBm	-24.85 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.02922 MHz	-47.79 dBm	-34.79 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99995 MHz	-53.18 dBm	-40.18 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.77023 MHz	-6.88 dBm	-36.88 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02123 MHz	-51.03 dBm	-38.03 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.46469 MHz	-46.12 dBm	-33.12 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.05844 MHz	-59.78 dBm	-24.78 dB

Date: 23.FEB.2024 14:43:52

IC LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

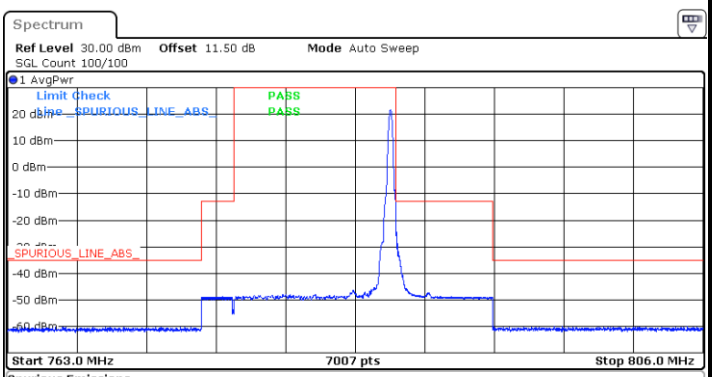


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	770.94206 MHz	-60.31 dBm	-25.31 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89905 MHz	-29.14 dBm	-16.14 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99995 MHz	-22.53 dBm	-9.53 dB
777.000 MHz	787.000 MHz	100.000 kHz	777.34466 MHz	21.17 dBm	-8.83 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.06409 MHz	-53.43 dBm	-40.43 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.76309 MHz	-48.96 dBm	-35.96 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.87662 MHz	-59.82 dBm	-24.82 dB

Date: 1.MAR.2024 18:55:53

Highest Band Edge / 1 RB

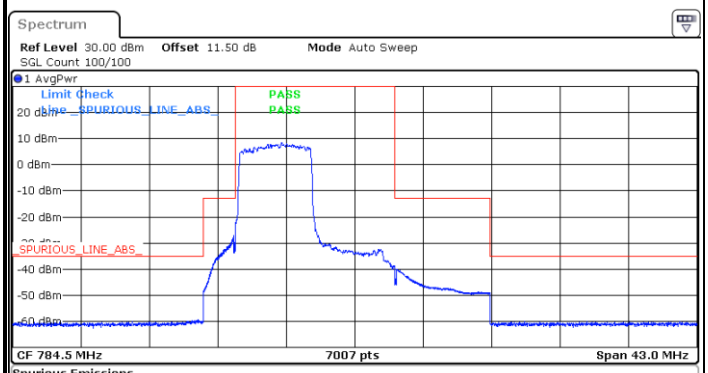


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.05994 MHz	-60.25 dBm	-25.25 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.28217 MHz	-48.86 dBm	-35.86 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.98696 MHz	-53.37 dBm	-40.37 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.66533 MHz	21.68 dBm	-8.32 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00095 MHz	-21.51 dBm	-8.51 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-28.84 dBm	-15.84 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.30519 MHz	-59.95 dBm	-24.95 dB

Date: 1.MAR.2024 18:59:17

Lowest Band Edge / Full RB

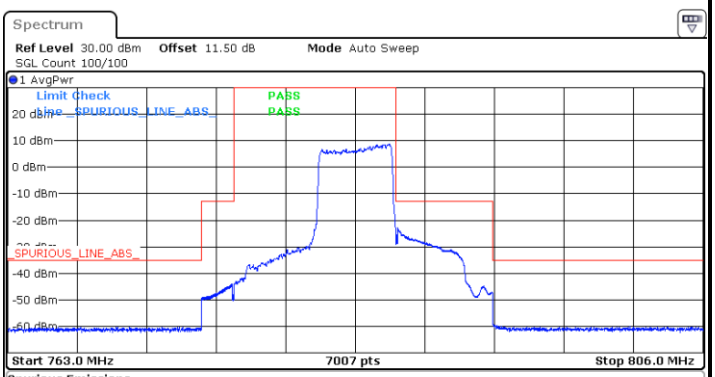


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.63437 MHz	-59.37 dBm	-24.37 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89715 MHz	-26.98 dBm	-13.98 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99705 MHz	-28.41 dBm	-15.41 dB
777.000 MHz	787.000 MHz	100.000 kHz	779.88212 MHz	8.51 dBm	-21.49 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.04371 MHz	-43.83 dBm	-30.83 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.16189 MHz	-39.98 dBm	-26.98 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.92857 MHz	-59.93 dBm	-24.93 dB

Date: 1.MAR.2024 18:53:20

Highest Band Edge / Full RB



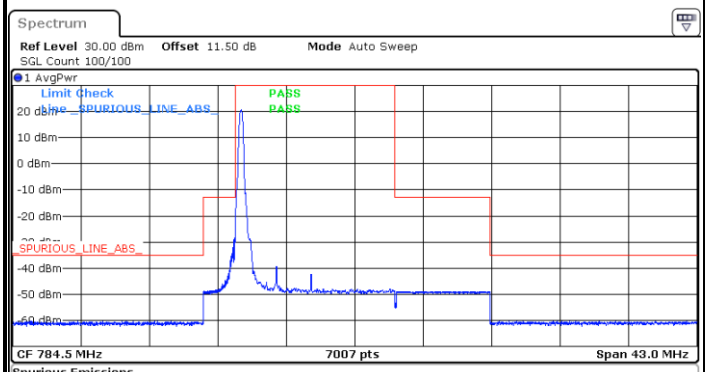
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	769.80320 MHz	-60.23 dBm	-25.23 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.88387 MHz	-44.07 dBm	-31.07 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.91414 MHz	-48.14 dBm	-35.14 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.57542 MHz	8.75 dBm	-21.25 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00724 MHz	-24.45 dBm	-11.45 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.11474 MHz	-22.66 dBm	-9.66 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-59.36 dBm	-24.36 dB

Date: 1.MAR.2024 18:56:44

IC LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

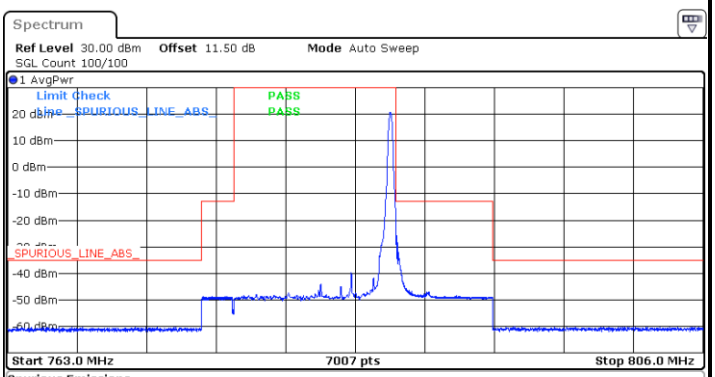


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.08192 MHz	-60.25 dBm	-25.25 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89905 MHz	-29.08 dBm	-16.08 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99575 MHz	-22.52 dBm	-9.52 dB
777.000 MHz	787.000 MHz	100.000 kHz	777.36464 MHz	20.63 dBm	-9.37 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00614 MHz	-53.43 dBm	-40.43 dB
787.100 MHz	793.000 MHz	100.000 kHz	790.27398 MHz	-48.99 dBm	-35.99 dB
793.000 MHz	806.000 MHz	6.250 kHz	805.31818 MHz	-60.21 dBm	-25.21 dB

Date: 1.MAR.2024 18:55:02

Highest Band Edge / 1 RB

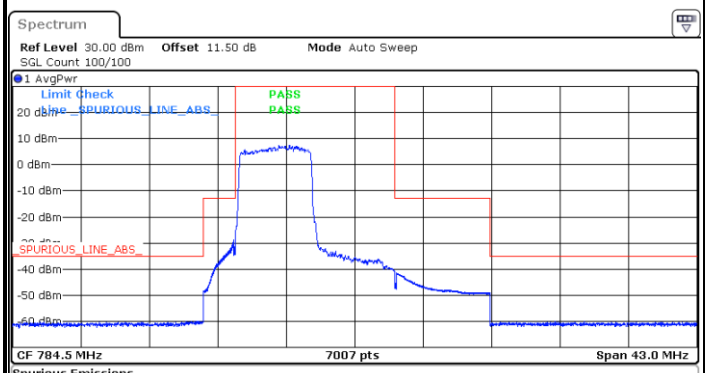


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.55345 MHz	-60.31 dBm	-25.31 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.57258 MHz	-48.74 dBm	-35.74 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.91643 MHz	-53.59 dBm	-40.59 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.63536 MHz	20.64 dBm	-9.36 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00894 MHz	-22.93 dBm	-9.93 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-28.46 dBm	-15.46 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.33117 MHz	-60.19 dBm	-25.19 dB

Date: 1.MAR.2024 18:58:26

Lowest Band Edge / Full RB

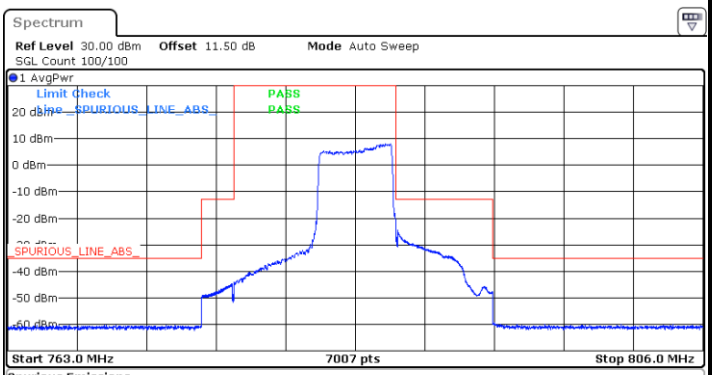


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.81419 MHz	-59.90 dBm	-24.90 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.88766 MHz	-28.71 dBm	-15.71 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99885 MHz	-29.94 dBm	-16.94 dB
777.000 MHz	787.000 MHz	100.000 kHz	780.39161 MHz	7.43 dBm	-22.57 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.05380 MHz	-45.34 dBm	-32.34 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10884 MHz	-41.41 dBm	-28.41 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.94156 MHz	-59.98 dBm	-24.98 dB

Date: 1.MAR.2024 18:54:11

Highest Band Edge / Full RB



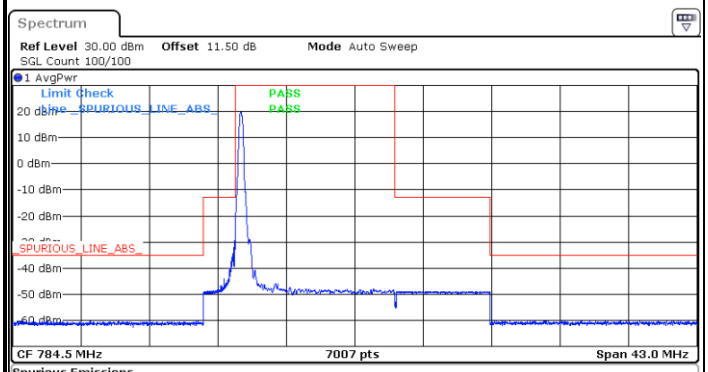
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.78821 MHz	-60.24 dBm	-25.24 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.80794 MHz	-44.65 dBm	-31.65 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.95869 MHz	-48.78 dBm	-35.78 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.36563 MHz	7.99 dBm	-22.01 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.01074 MHz	-25.65 dBm	-12.65 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-24.43 dBm	-11.43 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.11039 MHz	-59.50 dBm	-24.50 dB

Date: 1.MAR.2024 18:57:35

IC LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

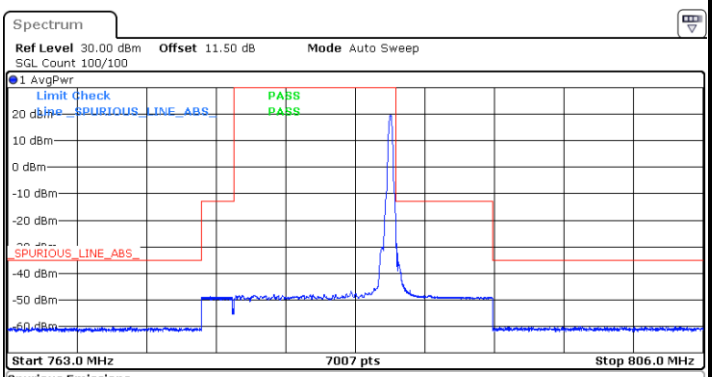


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	767.84915 MHz	-60.33 dBm	-25.33 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89905 MHz	-32.04 dBm	-19.04 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.98786 MHz	-26.50 dBm	-13.50 dB
777.000 MHz	787.000 MHz	100.000 kHz	777.31469 MHz	19.67 dBm	-10.33 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.09146 MHz	-52.66 dBm	-39.66 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.47428 MHz	-48.93 dBm	-35.93 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.69481 MHz	-60.08 dBm	-25.08 dB

Date: 1.MAR.2024 19:01:00

Highest Band Edge / 1 RB

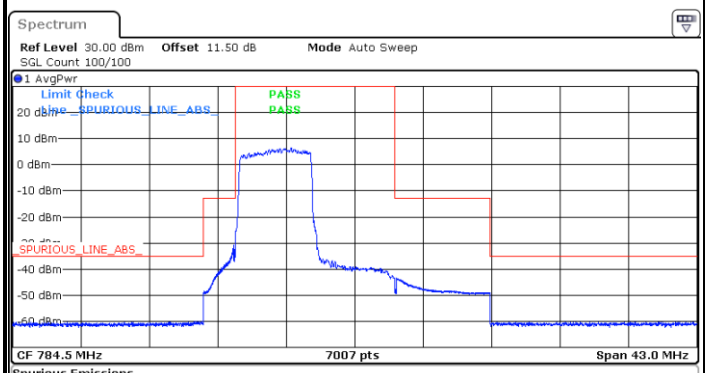


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.52847 MHz	-60.42 dBm	-25.42 dB
775.000 MHz	776.900 MHz	100.000 kHz	775.49635 MHz	-48.84 dBm	-35.84 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.93382 MHz	-53.44 dBm	-40.44 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.67532 MHz	19.56 dBm	-10.44 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00524 MHz	-24.38 dBm	-11.38 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-32.32 dBm	-19.32 dB
793.000 MHz	806.000 MHz	6.250 kHz	804.26623 MHz	-60.03 dBm	-25.03 dB

Date: 1.MAR.2024 19:02:42

Lowest Band Edge / Full RB

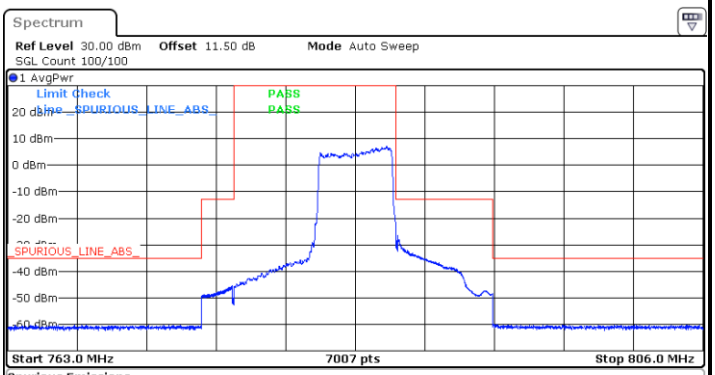


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.56244 MHz	-59.98 dBm	-24.98 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.88766 MHz	-30.80 dBm	-17.80 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99715 MHz	-31.03 dBm	-18.03 dB
777.000 MHz	787.000 MHz	100.000 kHz	780.49151 MHz	6.57 dBm	-23.43 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.03791 MHz	-47.59 dBm	-34.59 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.11474 MHz	-43.46 dBm	-30.46 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.16234 MHz	-60.35 dBm	-25.35 dB

Date: 1.MAR.2024 19:00:09

Highest Band Edge / Full RB



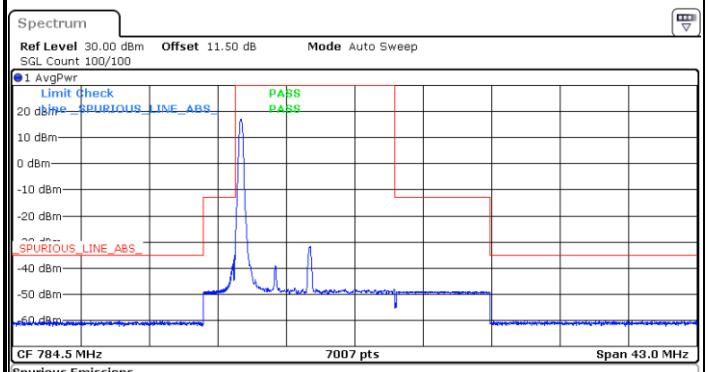
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	764.72028 MHz	-60.25 dBm	-25.25 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.87058 MHz	-45.58 dBm	-32.58 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.93581 MHz	-50.14 dBm	-37.14 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.43556 MHz	7.08 dBm	-22.92 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.01713 MHz	-27.50 dBm	-14.50 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10884 MHz	-26.62 dBm	-13.62 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-59.87 dBm	-24.87 dB

Date: 1.MAR.2024 19:01:51

IC LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

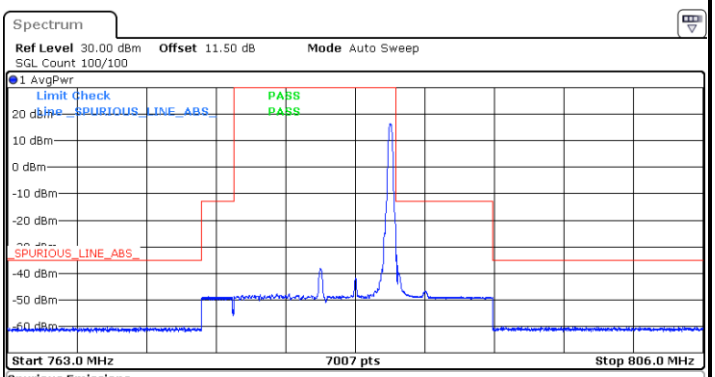


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.05694 MHz	-60.37 dBm	-25.37 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89336 MHz	-36.67 dBm	-23.67 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99655 MHz	-28.66 dBm	-15.66 dB
777.000 MHz	787.000 MHz	100.000 kHz	777.34466 MHz	17.18 dBm	-12.82 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.06059 MHz	-53.23 dBm	-40.23 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.43891 MHz	-49.00 dBm	-36.00 dB
793.000 MHz	806.000 MHz	6.250 kHz	798.37013 MHz	-60.10 dBm	-25.10 dB

Date: 1.MAR.2024 19:08:04

Highest Band Edge / 1 RB

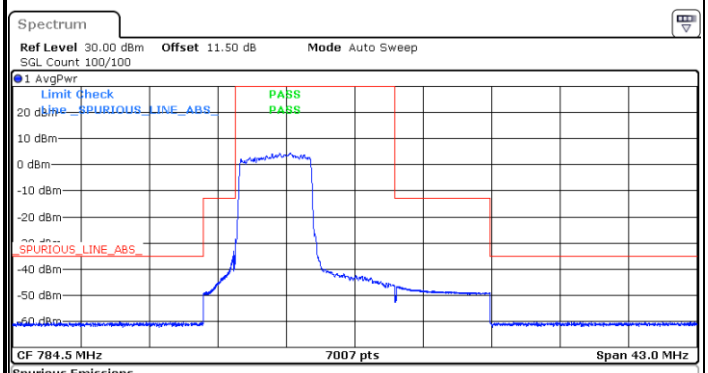


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.89111 MHz	-60.17 dBm	-25.17 dB
775.000 MHz	776.900 MHz	100.000 kHz	775.42802 MHz	-48.79 dBm	-35.79 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.98906 MHz	-53.14 dBm	-40.14 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.62537 MHz	16.46 dBm	-13.54 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00135 MHz	-28.67 dBm	-15.67 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-37.04 dBm	-24.04 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.64286 MHz	-60.05 dBm	-25.05 dB

Date: 1.MAR.2024 19:09:52

Lowest Band Edge / Full RB

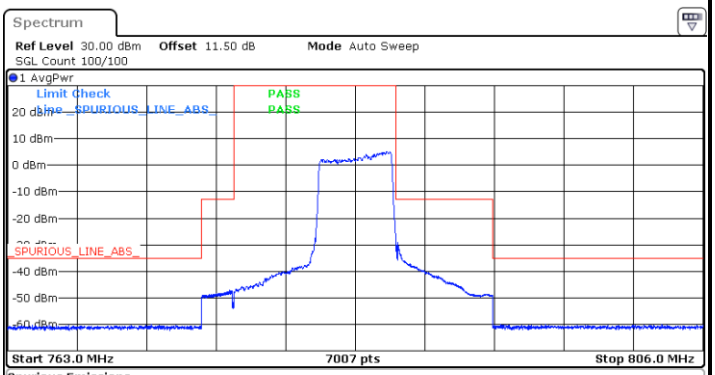


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	772.93207 MHz	-60.24 dBm	-25.24 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89525 MHz	-33.24 dBm	-20.24 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99995 MHz	-33.09 dBm	-20.09 dB
777.000 MHz	787.000 MHz	100.000 kHz	780.46154 MHz	4.46 dBm	-25.54 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.06369 MHz	-50.40 dBm	-37.40 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.13831 MHz	-46.71 dBm	-33.71 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.18831 MHz	-60.09 dBm	-25.09 dB

Date: 1.MAR.2024 19:07:10

Highest Band Edge / Full RB



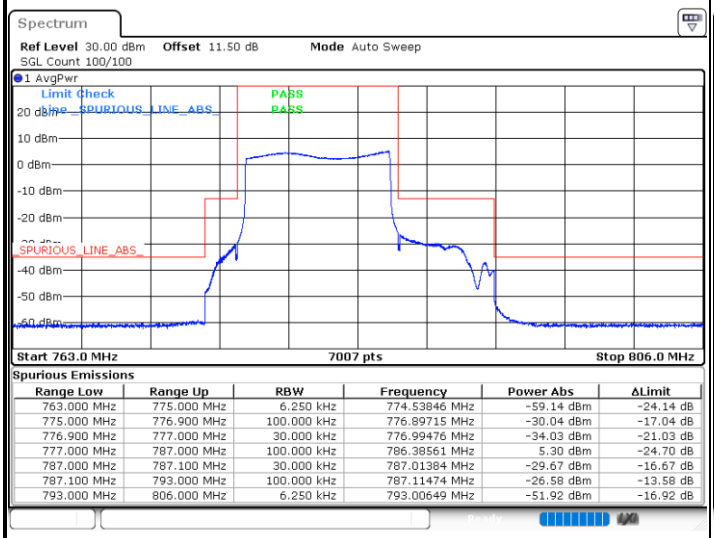
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	771.88911 MHz	-60.15 dBm	-25.15 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.74151 MHz	-47.22 dBm	-34.22 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.92383 MHz	-51.74 dBm	-38.74 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.63536 MHz	5.25 dBm	-24.75 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00115 MHz	-29.42 dBm	-16.42 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10884 MHz	-29.14 dBm	-16.14 dB
793.000 MHz	806.000 MHz	6.250 kHz	796.25325 MHz	-59.91 dBm	-24.91 dB

Date: 1.MAR.2024 19:08:58

IC LTE Band 13 / 10MHz / QPSK

Band Edge / Full RB



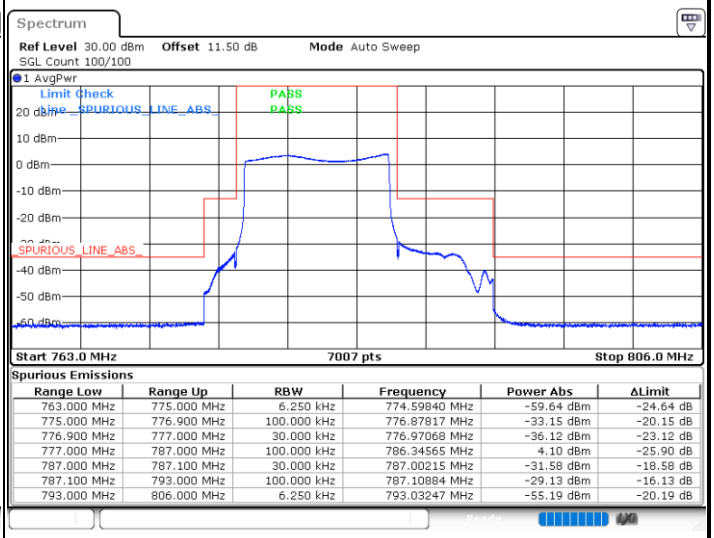
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.53846 MHz	-59.14 dBm	-24.14 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89715 MHz	-30.04 dBm	-17.04 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99476 MHz	-34.03 dBm	-21.03 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.38561 MHz	5.30 dBm	-24.70 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.01384 MHz	-29.67 dBm	-16.67 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.11474 MHz	-26.58 dBm	-13.58 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-51.92 dBm	-16.92 dB

Date: 1.MAR.2024 19:03:55

IC LTE Band 13 / 10MHz / 16QAM

Band Edge / Full RB



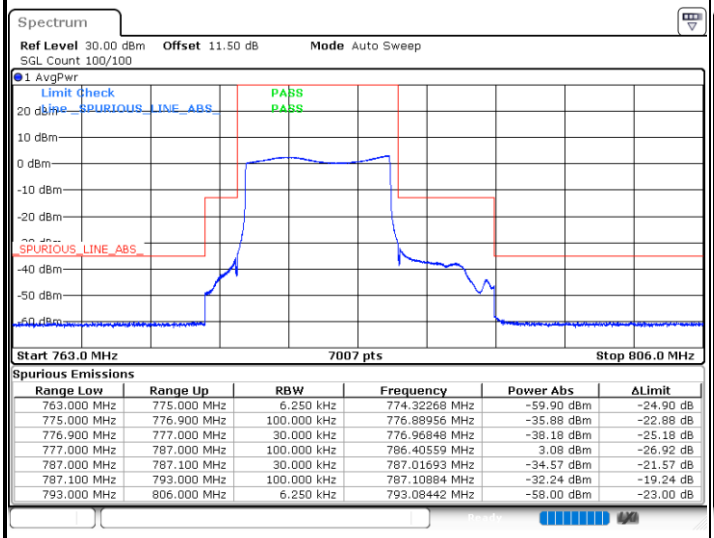
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.59840 MHz	-59.64 dBm	-24.64 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.87817 MHz	-33.15 dBm	-20.15 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.97068 MHz	-36.12 dBm	-23.12 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.34565 MHz	4.10 dBm	-25.90 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00215 MHz	-31.58 dBm	-18.58 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10884 MHz	-29.13 dBm	-16.13 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-55.19 dBm	-20.19 dB

Date: 1.MAR.2024 19:05:07

IC LTE Band 13 / 10MHz / 64QAM

Band Edge / Full RB



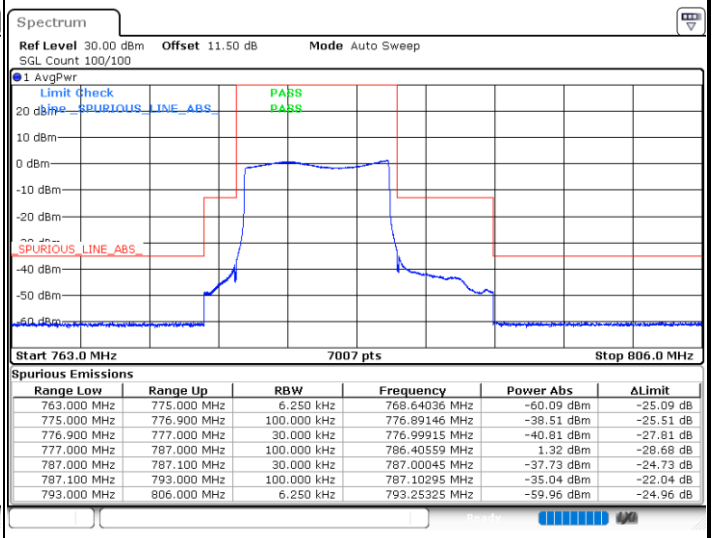
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.32268 MHz	-59.90 dBm	-24.90 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.88956 MHz	-35.88 dBm	-22.88 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.96848 MHz	-38.18 dBm	-25.18 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.40559 MHz	3.08 dBm	-26.92 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.01693 MHz	-34.57 dBm	-21.57 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10884 MHz	-32.24 dBm	-19.24 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.08442 MHz	-58.00 dBm	-23.00 dB

Date: 1.MAR.2024 19:06:18

IC LTE Band 13 / 10MHz / 256QAM

Band Edge / Full RB



Spurious Emissions

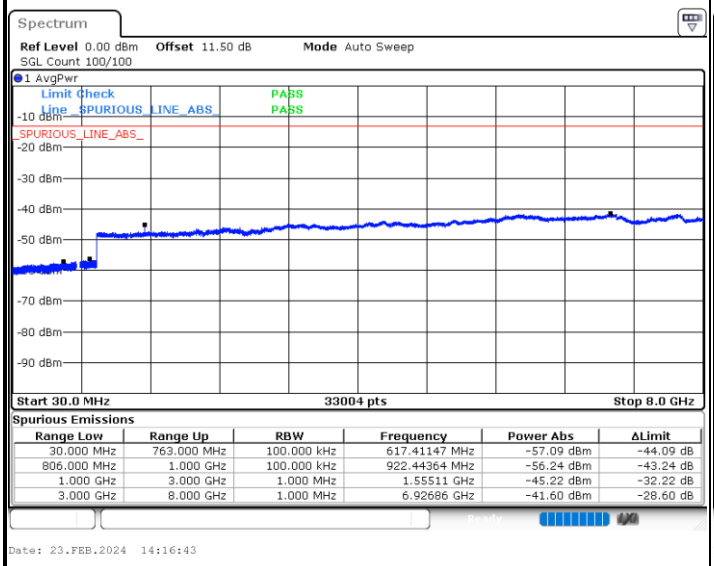
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	768.64036 MHz	-60.09 dBm	-25.09 dB
775.000 MHz	776.900 MHz	100.000 kHz	776.89146 MHz	-38.51 dBm	-25.51 dB
776.900 MHz	777.000 MHz	30.000 kHz	776.99915 MHz	-40.81 dBm	-27.81 dB
777.000 MHz	787.000 MHz	100.000 kHz	786.40559 MHz	1.32 dBm	-28.68 dB
787.000 MHz	787.100 MHz	30.000 kHz	787.00045 MHz	-37.73 dBm	-24.73 dB
787.100 MHz	793.000 MHz	100.000 kHz	787.10295 MHz	-35.04 dBm	-22.04 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.25325 MHz	-59.96 dBm	-24.96 dB

Date: 1.MAR.2024 19:11:07

Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

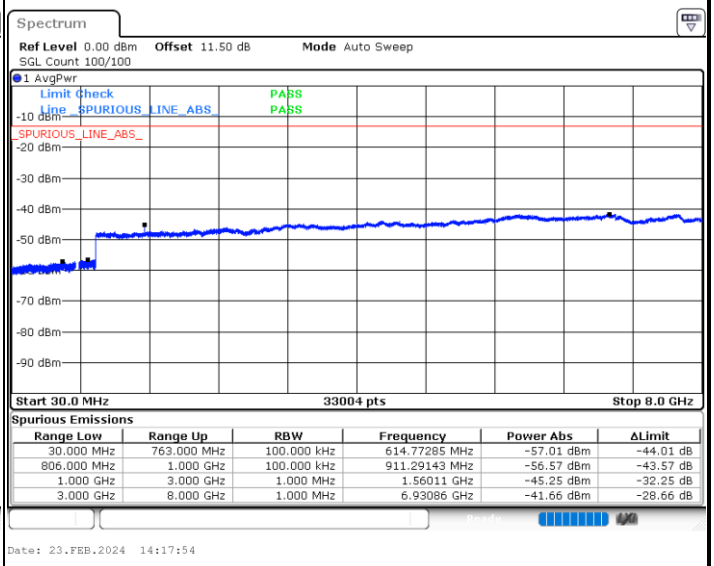


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	617.41147 MHz	-57.09 dBm	-44.09 dB
806.000 MHz	1.000 GHz	100.000 kHz	922.44364 MHz	-56.24 dBm	-43.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-45.22 dBm	-32.22 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.92686 GHz	-41.60 dBm	-28.60 dB

Date: 23.FEB.2024 14:16:43

Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	614.77285 MHz	-57.01 dBm	-44.01 dB
806.000 MHz	1.000 GHz	100.000 kHz	911.29143 MHz	-56.57 dBm	-43.57 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-45.25 dBm	-32.25 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.93086 GHz	-41.66 dBm	-28.66 dB

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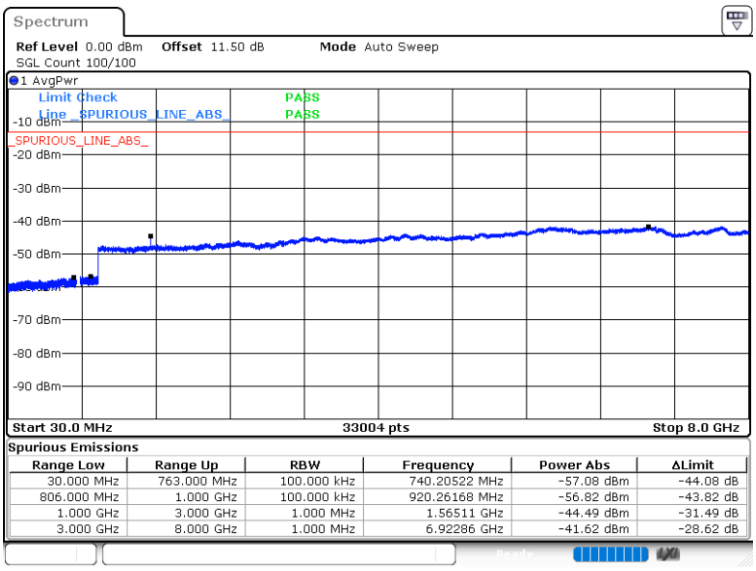
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	740.20522 MHz	-57.08 dBm	-44.08 dB
806.000 MHz	1.000 GHz	100.000 kHz	920.26168 MHz	-56.82 dBm	-43.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-44.49 dBm	-31.49 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.92286 GHz	-41.62 dBm	-28.62 dB

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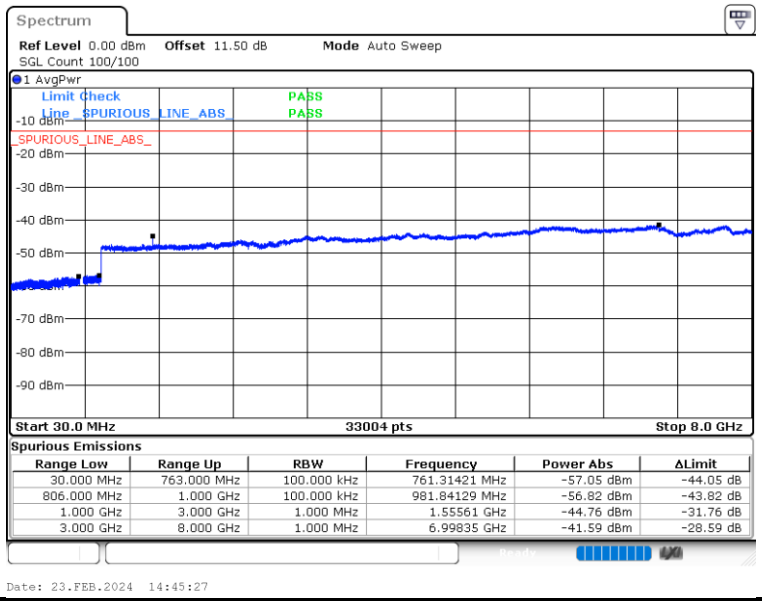
LTE Band 13 / 10MHz
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	761.31421 MHz	-57.05 dBm	-44.05 dB
806.000 MHz	1.000 GHz	100.000 kHz	981.84129 MHz	-56.82 dBm	-43.82 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-44.76 dBm	-31.76 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.99835 GHz	-41.59 dBm	-28.59 dB

Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0162	PASS
40	Normal Voltage	0.0148	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0156	
0	Normal Voltage	0.0069	
-10	Normal Voltage	0.0070	
-20	Normal Voltage	0.0079	
20	Maximum Voltage	0.0060	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0049	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

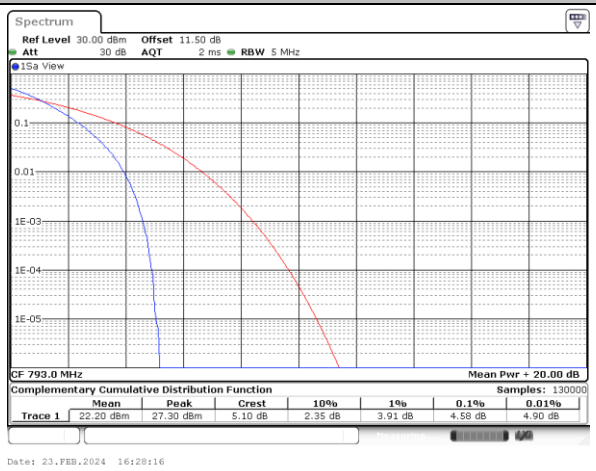
LTE Band 14

Peak-to-Average Ratio

Mode	LTE Band 14 / 5MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.58	5.48	6.00	6.46	PASS
Mode	LTE Band 14 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.67	5.59	6.00	6.49	PASS

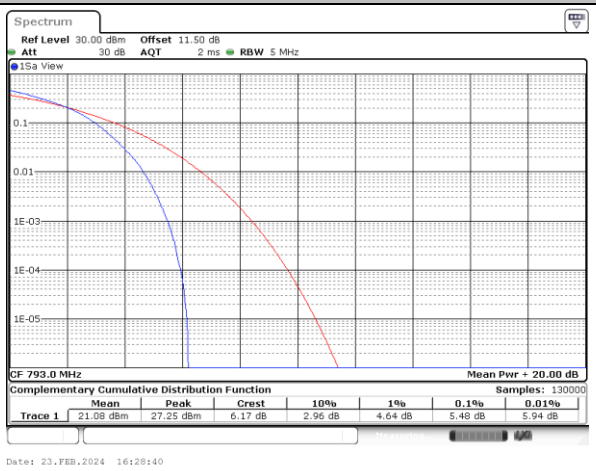
LTE Band 14 / 5MHz / QPSK

Middle Channel / Full RB



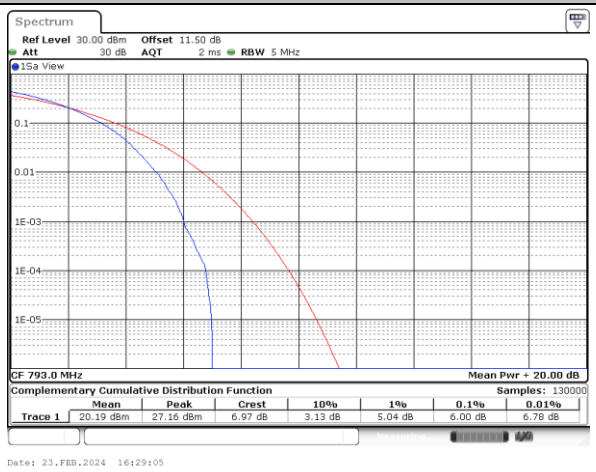
LTE Band 14 / 5MHz / 16QAM

Middle Channel / Full RB



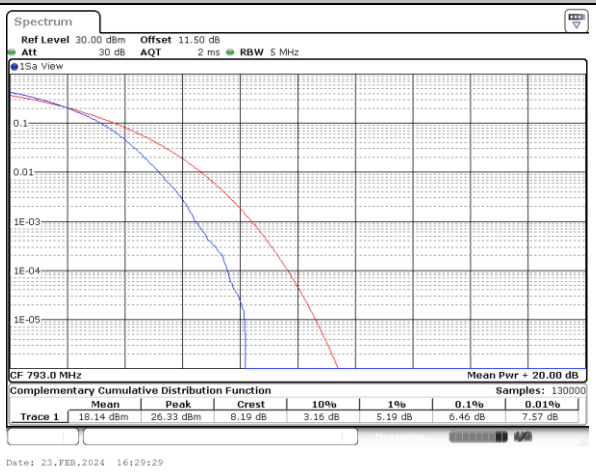
LTE Band 14 / 5MHz / 64QAM

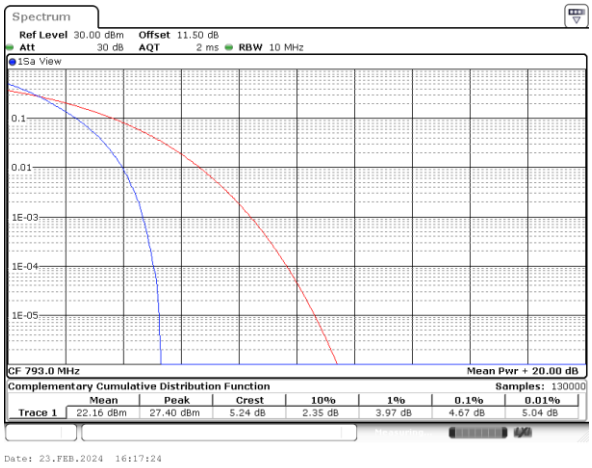
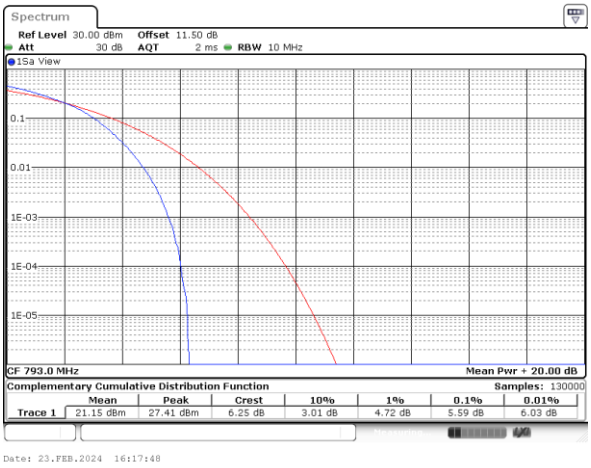
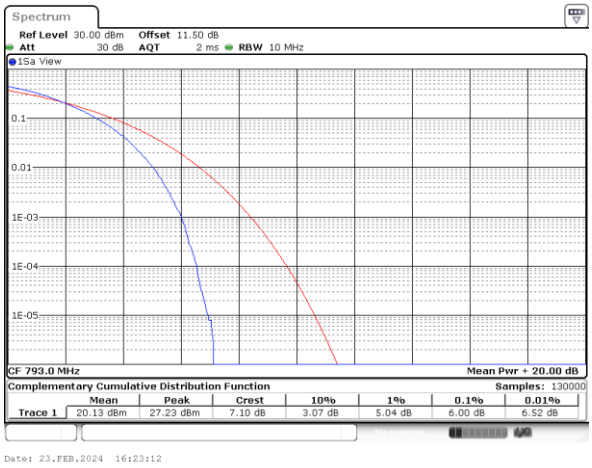
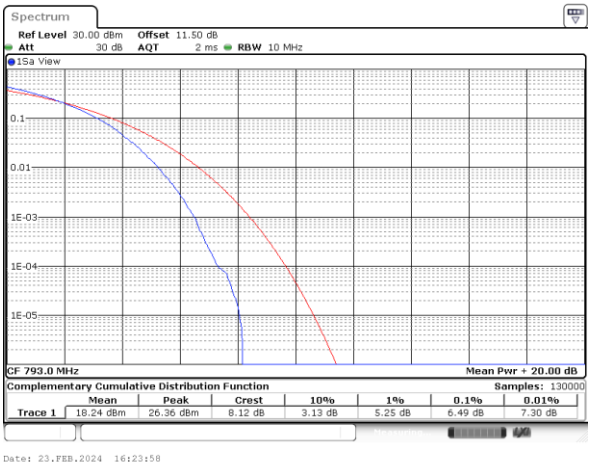
Middle Channel / Full RB



LTE Band 14 / 5MHz / 256QAM

Middle Channel / Full RB



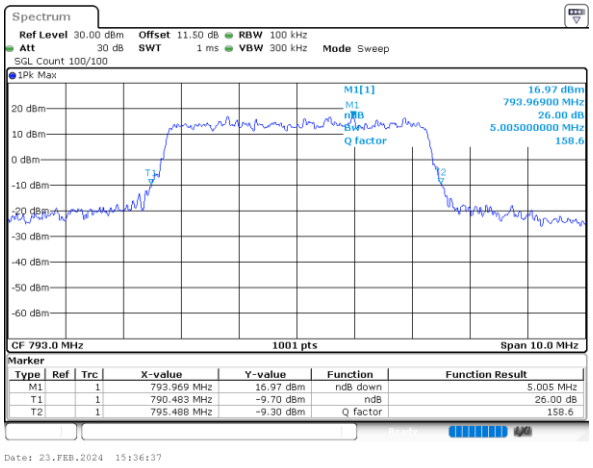
LTE Band 14 / 10MHz / QPSK	LTE Band 14 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 14 / 10MHz / 64QAM	LTE Band 14 / 10MHz / 256QAM
Middle Channel / Full RB	Middle Channel / Full RB
	

26dB Bandwidth

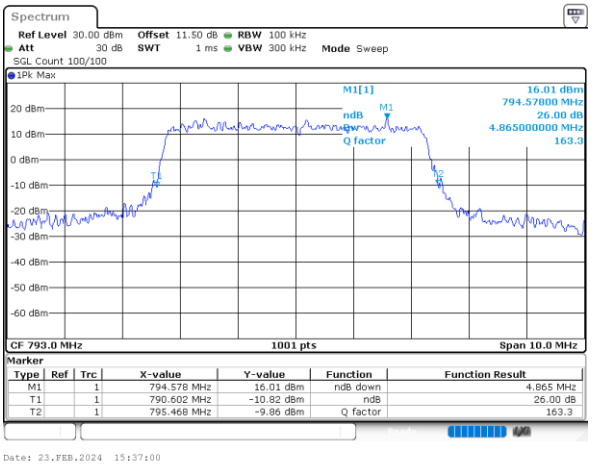
Mode	LTE Band 14 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.00	4.86	9.81	9.84	-	-	-	-
Mode	LTE Band 14 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.89	4.98	9.91	10.00	-	-	-	-

LTE Band 14

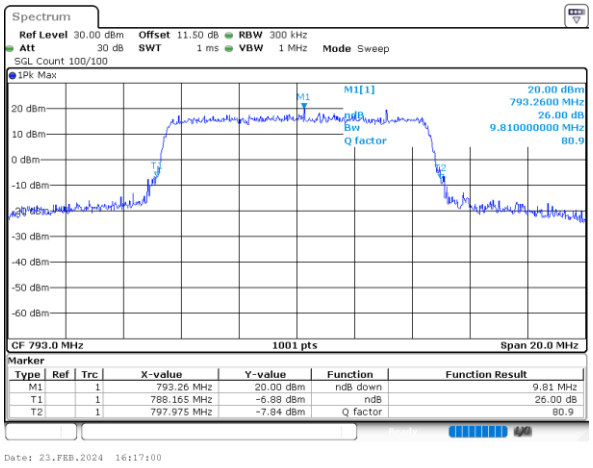
Middle Channel / 5MHz / QPSK



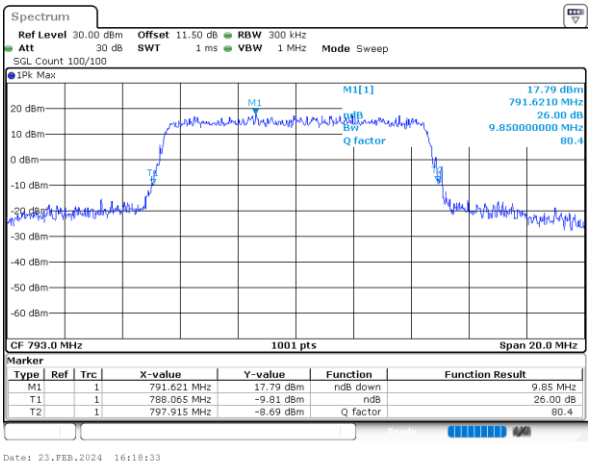
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

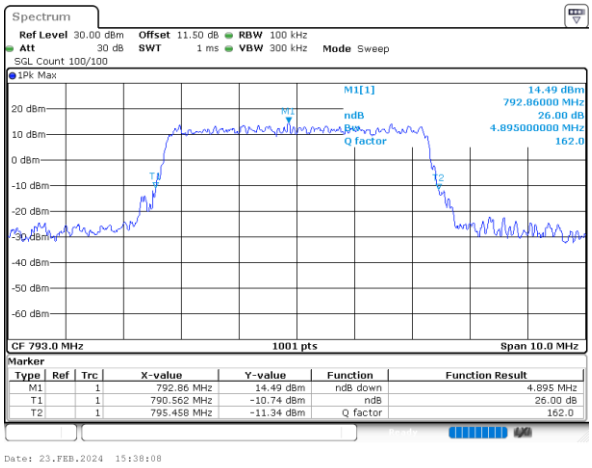


Middle Channel / 10MHz / 16QAM

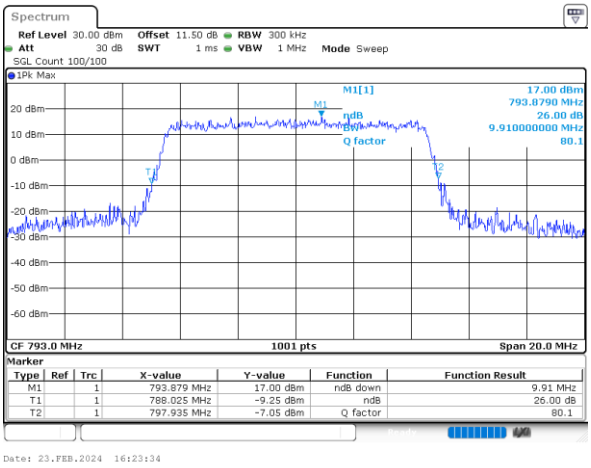


LTE Band 14

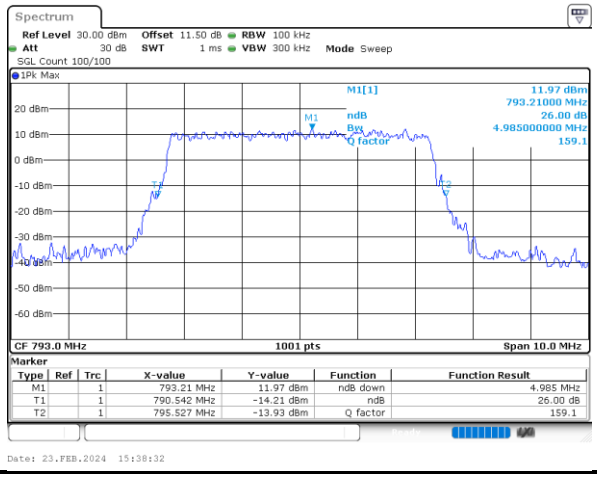
Middle Channel / 5MHz / 64QAM



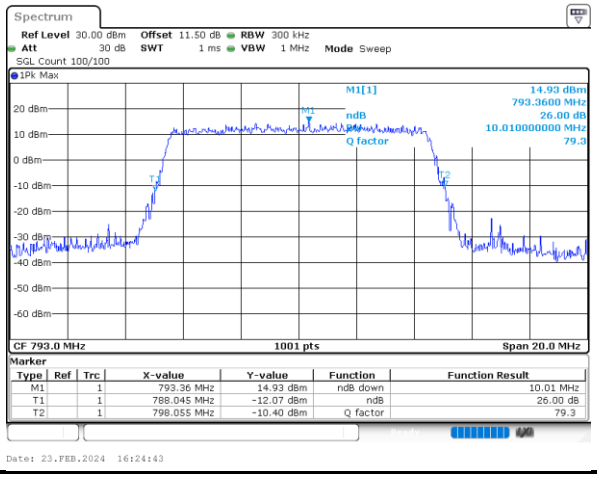
Middle Channel / 10MHz / 64QAM



Middle Channel / 5MHz / 256QAM



Middle Channel / 10MHz / 256QAM

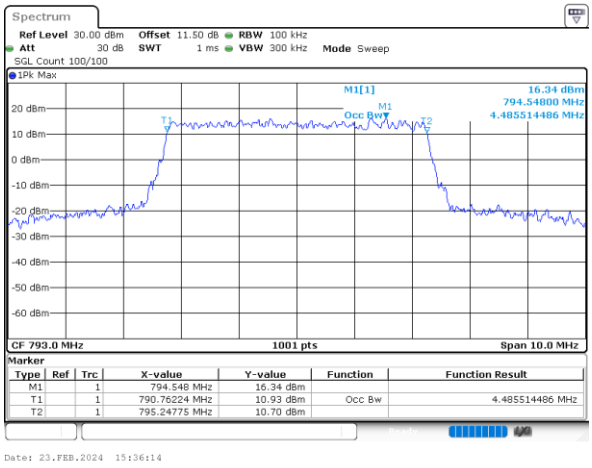


Occupied Bandwidth

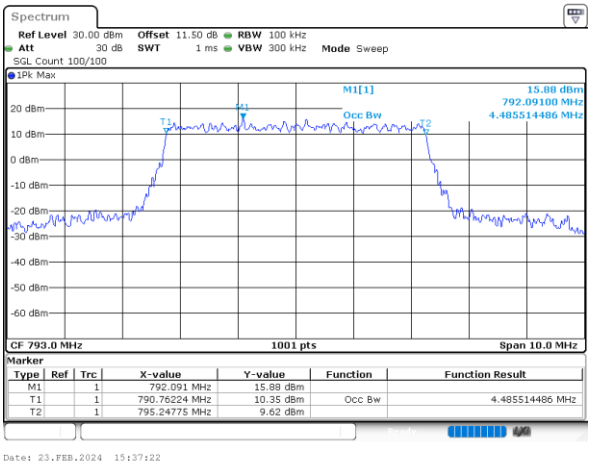
Mode	LTE Band 14 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.48	4.48	9.01	9.01	-	-	-	-
Mode	LTE Band 14 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.49	4.47	8.97	9.01	-	-	-	-

LTE Band 14

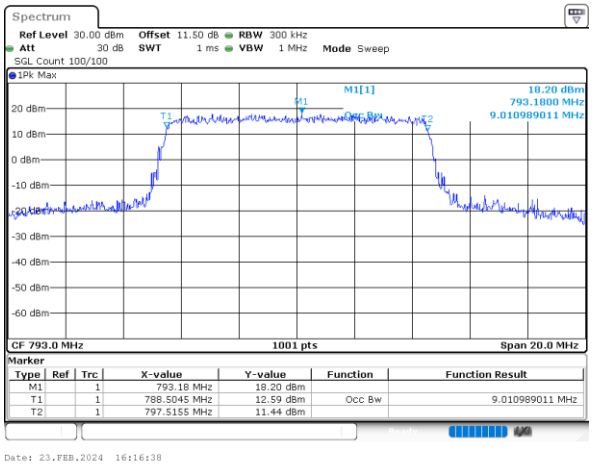
Middle Channel / 5MHz / QPSK



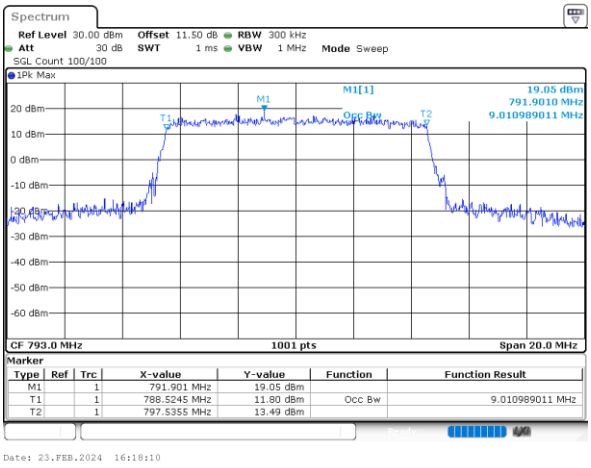
Middle Channel / 5MHz / 16QAM



Middle Channel / 10MHz / QPSK

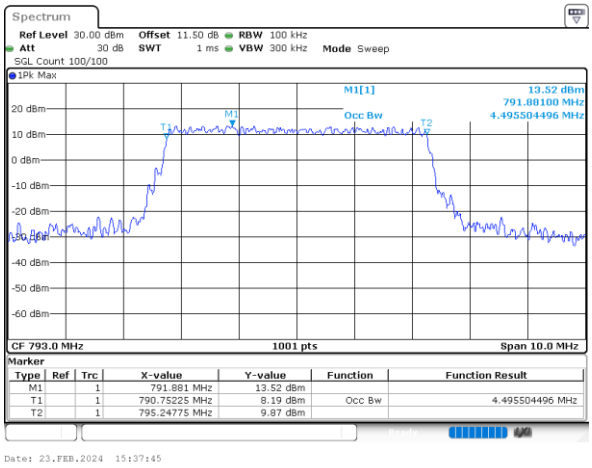


Middle Channel / 10MHz / 16QAM

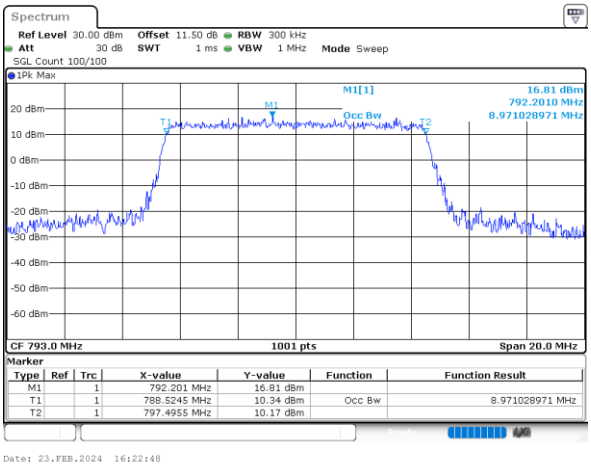


LTE Band 14

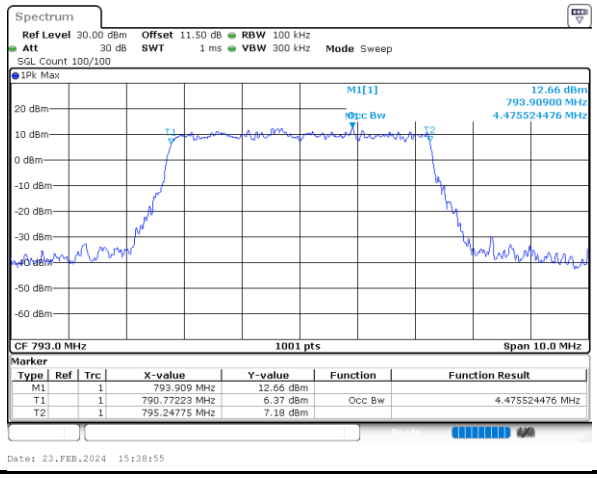
Middle Channel / 5MHz / 64QAM



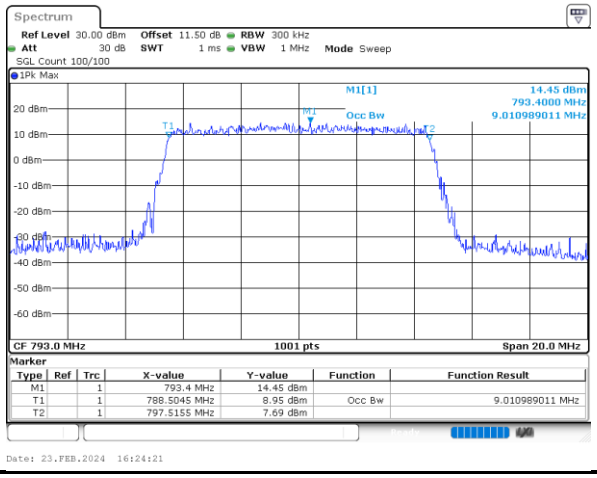
Middle Channel / 10MHz / 64QAM



Middle Channel / 5MHz / 256QAM



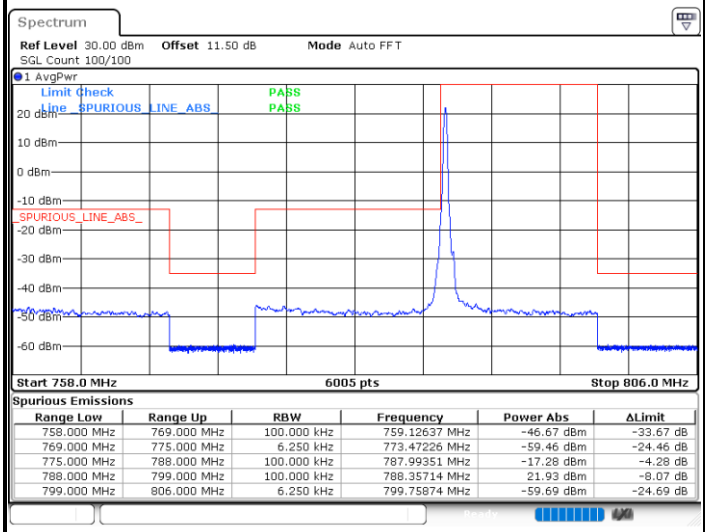
Middle Channel / 10MHz / 256QAM



Conducted Band Edge

LTE Band 14 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
758.000 MHz	769.000 MHz	100.000 kHz	759.12637 MHz	-46.67 dBm	-33.67 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.47226 MHz	-59.46 dBm	-24.46 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-17.28 dBm	-4.28 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.35714 MHz	21.93 dBm	-8.07 dB
799.000 MHz	806.000 MHz	6.250 kHz	799.75874 MHz	-59.69 dBm	-24.69 dB

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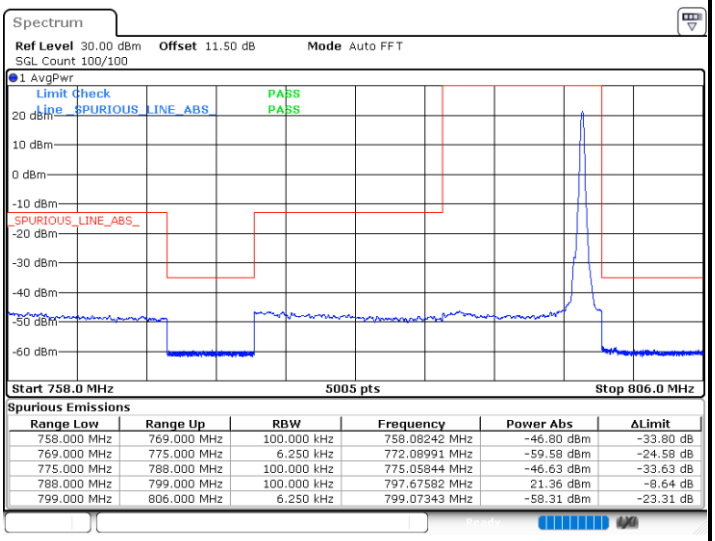
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
758.000 MHz	769.000 MHz	100.000 kHz	758.08242 MHz	-46.80 dBm	-33.80 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.08991 MHz	-59.58 dBm	-24.58 dB
775.000 MHz	788.000 MHz	100.000 kHz	775.05844 MHz	-46.63 dBm	-33.63 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.67582 MHz	21.36 dBm	-8.64 dB
799.000 MHz	806.000 MHz	6.250 kHz	799.07343 MHz	-58.31 dBm	-23.31 dB

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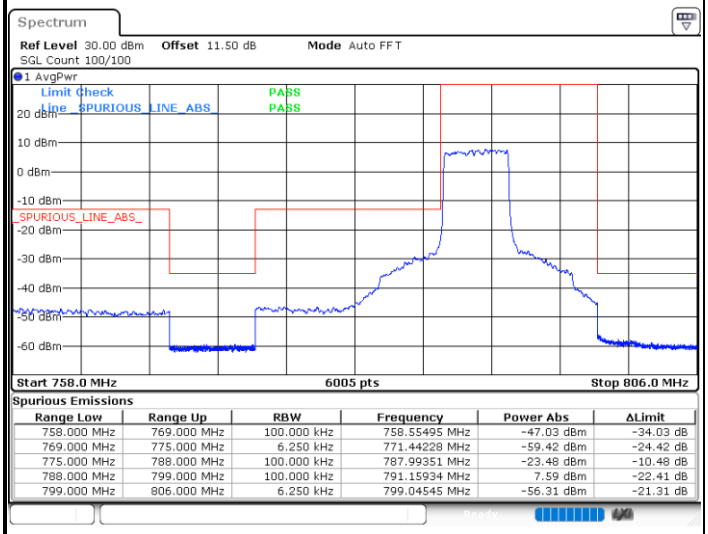
Lowest Band Edge / Full RB

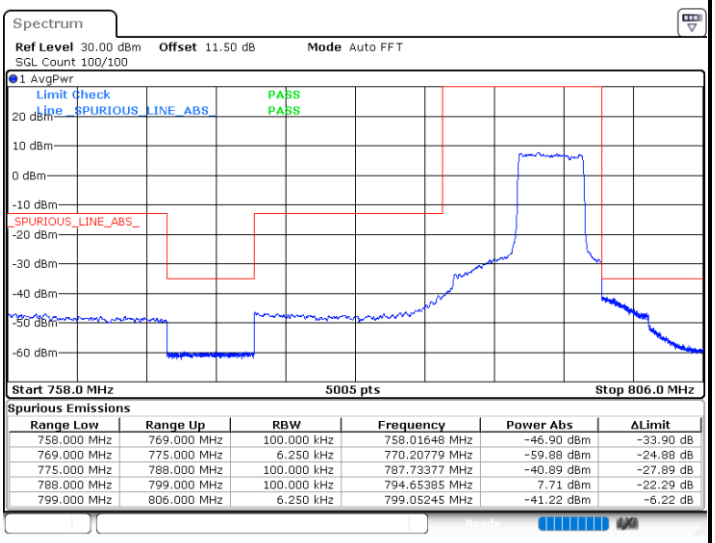


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
758.000 MHz	769.000 MHz	100.000 kHz	758.55495 MHz	-47.03 dBm	-34.03 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.44228 MHz	-59.42 dBm	-24.42 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-23.48 dBm	-10.48 dB
788.000 MHz	799.000 MHz	100.000 kHz	791.15934 MHz	7.59 dBm	-22.41 dB
799.000 MHz	806.000 MHz	6.250 kHz	799.04545 MHz	-56.31 dBm	-21.31 dB

Date: 23.FEB.2024 14:46:26

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
758.000 MHz	769.000 MHz	100.000 kHz	758.01648 MHz	-46.90 dBm	-33.90 dB
769.000 MHz	775.000 MHz	6.250 kHz	770.20779 MHz	-59.88 dBm	-24.88 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.73377 MHz	-40.89 dBm	-27.89 dB
788.000 MHz	799.000 MHz	100.000 kHz	794.65385 MHz	7.71 dBm	-22.29 dB
799.000 MHz	806.000 MHz	6.250 kHz	799.05245 MHz	-41.22 dBm	-6.22 dB

Date: 23.FEB.2024 15:55:27