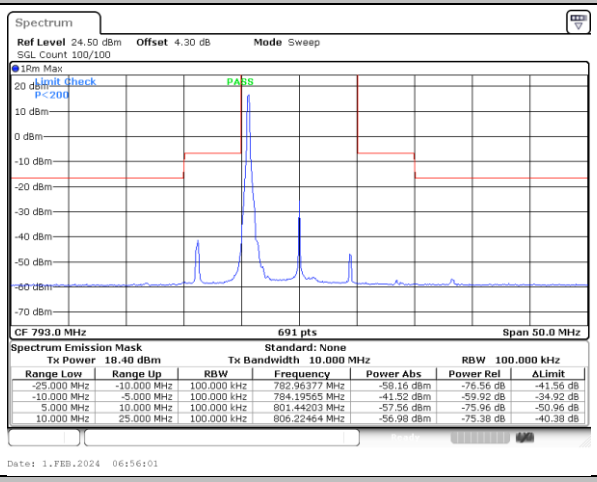
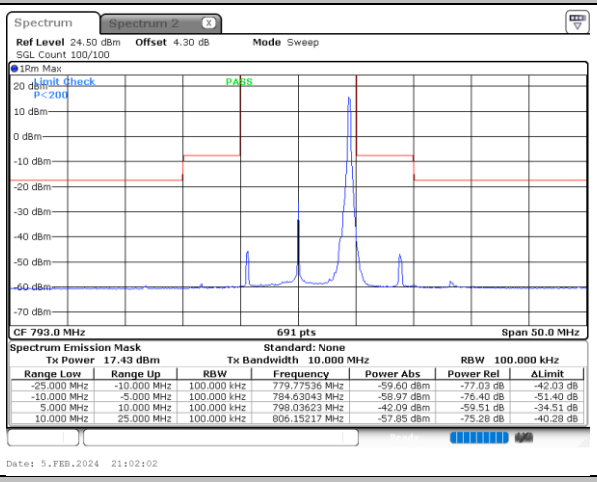
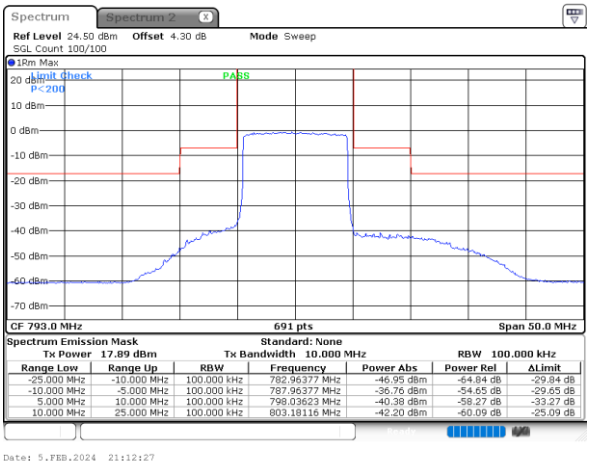
LTE Band 14 / 10MHz / 256QAM

Middle Channel / 1RB





Middle Channel / Full RB



Frequency Stability

Test Conditions		LTE Band 14 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0030	
-20	Normal Voltage	0.0038	
-30	Normal Voltage	0.0045	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0002	
20	Minimum Voltage	0.0019	

Note:

1. Normal Voltage =3.8 V. ; Minimum Voltage =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

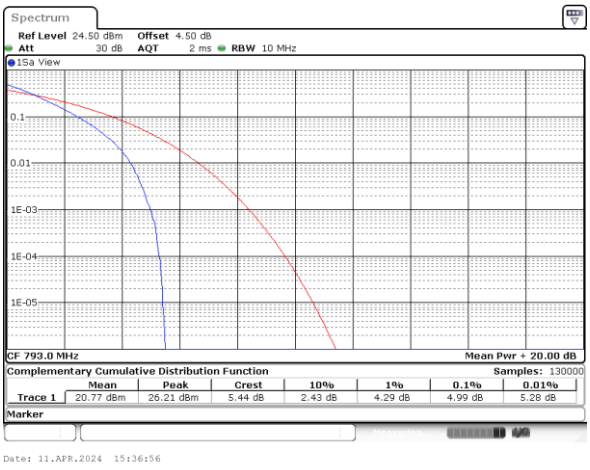
LTE Band 14 (other PA)

Peak-to-Average Ratio

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	4.99	5.86	6.49	6.49	PASS

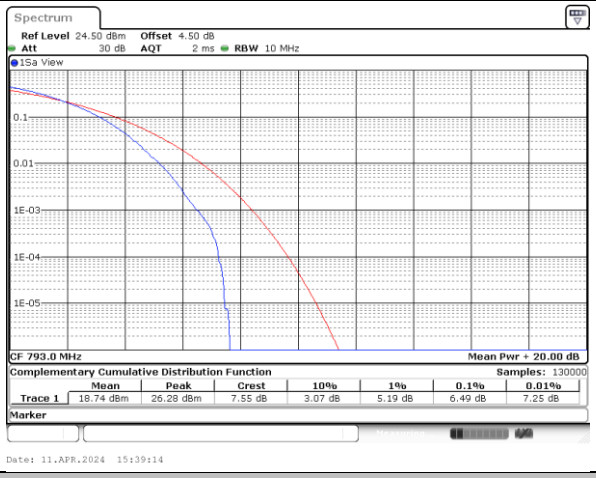
LTE Band 14 / 10MHz

Middle Channel / Full RB/ QPSK

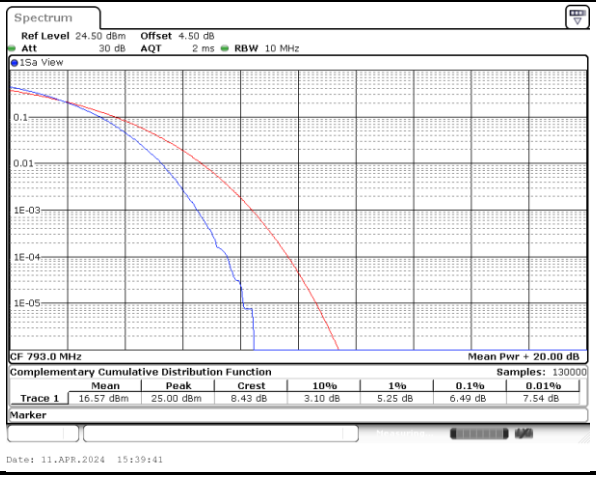


Middle Channel / Full RB/ 16QAM

Middle Channel / Full RB/ 64QAM

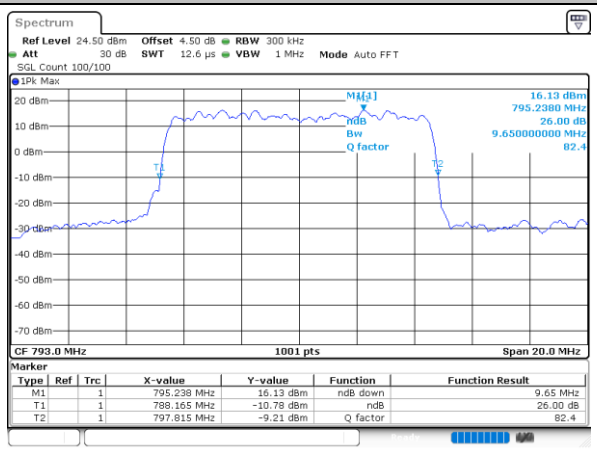
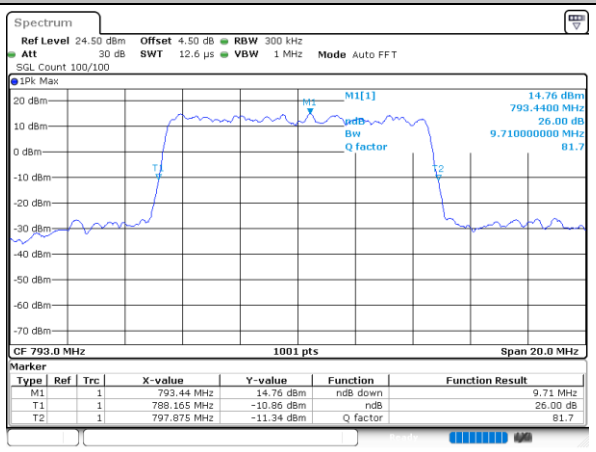
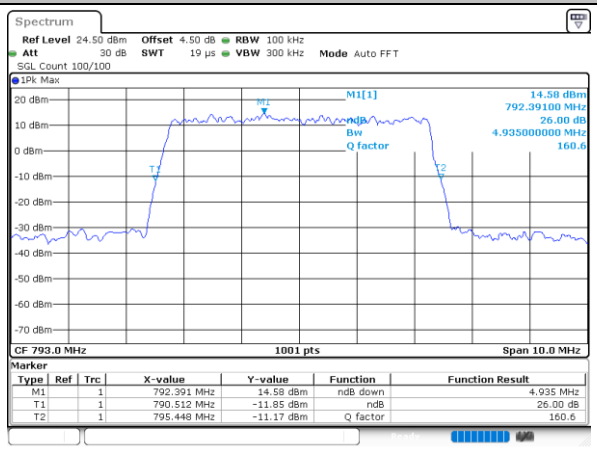
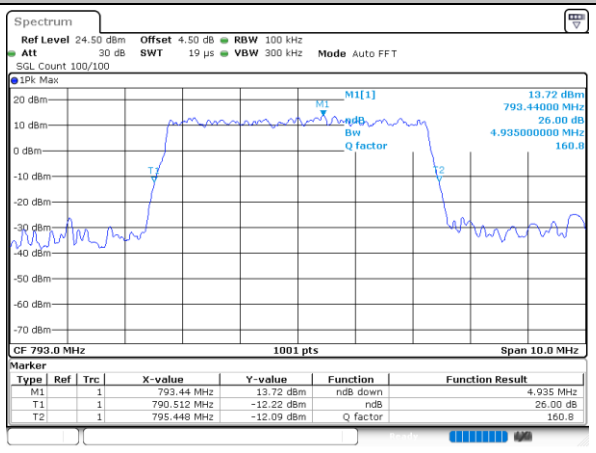


Middle Channel / Full RB/ 256QAM



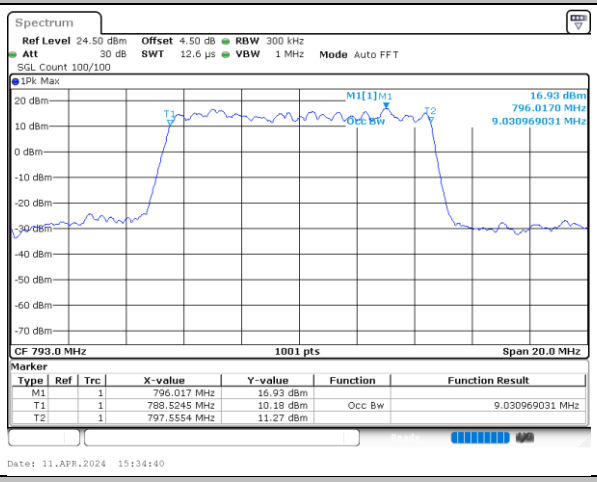
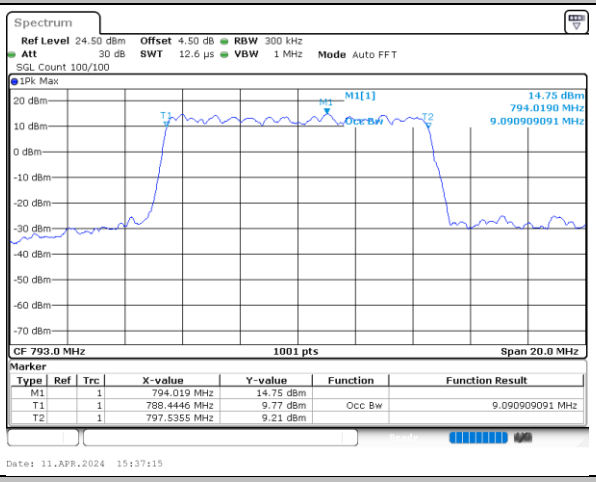
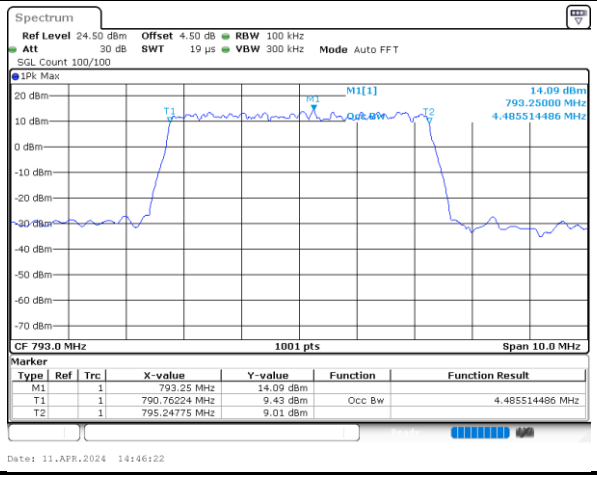
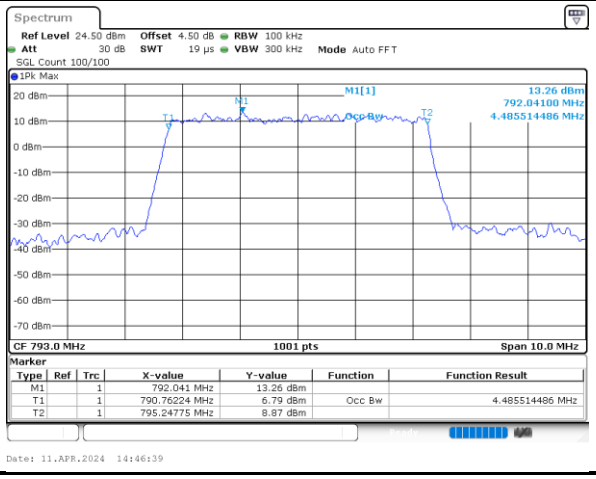
26dB Bandwidth

Mode	LTE Band 14 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.65	9.71
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.94	4.94

LTE Band 14	
Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
	
LTE Band 14	
Middle Channel /5MHz / QPSK	Middle Channel / 5MHz / 16QAM
	

Occupied Bandwidth

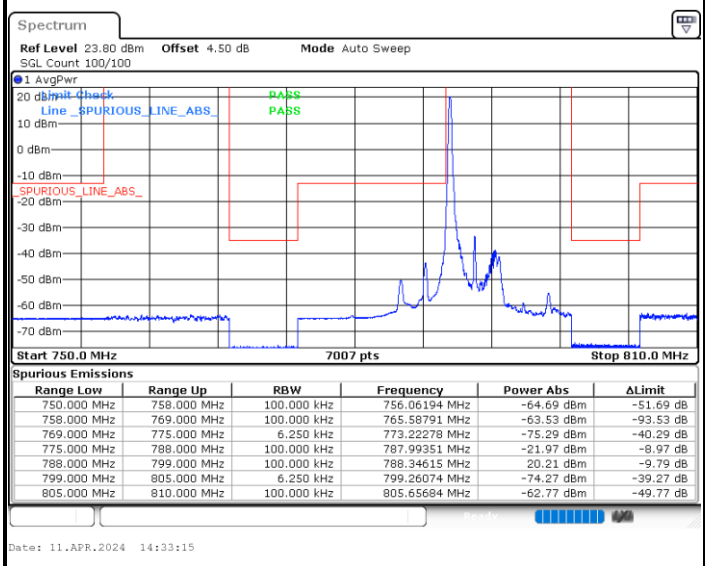
Mode	LTE Band 14 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.09
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.49

LTE Band 14	
Middle Channel / 10MHz / QPSK	Middle Channel / 10MHz / 16QAM
	
LTE Band 14	
Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM
	

Conducted Band Edge

LTE Band 14 / 5MHz / QPSK

Lowest Band Edge / 1 RB

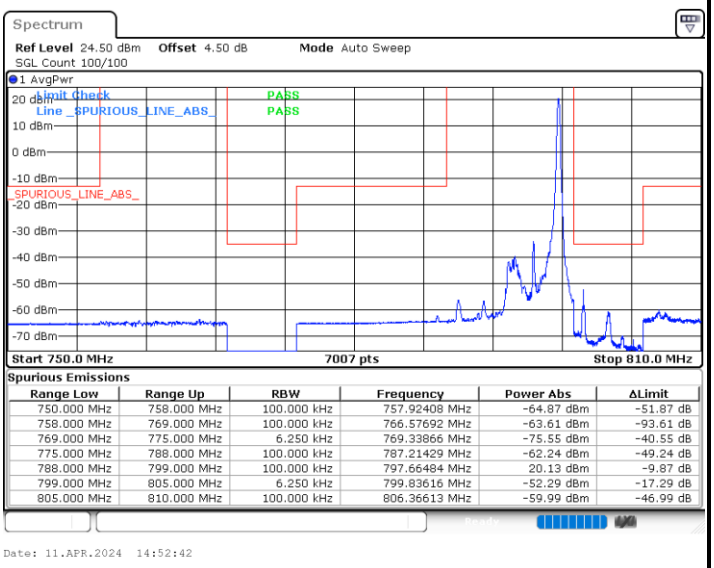


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	756.06194 MHz	-64.69 dBm	-51.69 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.58791 MHz	-63.53 dBm	-93.53 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.22278 MHz	-75.29 dBm	-40.29 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-21.97 dBm	-8.97 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.34615 MHz	20.21 dBm	-9.79 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.26074 MHz	-74.27 dBm	-39.27 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.65684 MHz	-62.77 dBm	-49.77 dB

Date: 11.APR.2024 14:33:15

Highest Band Edge / 1 RB

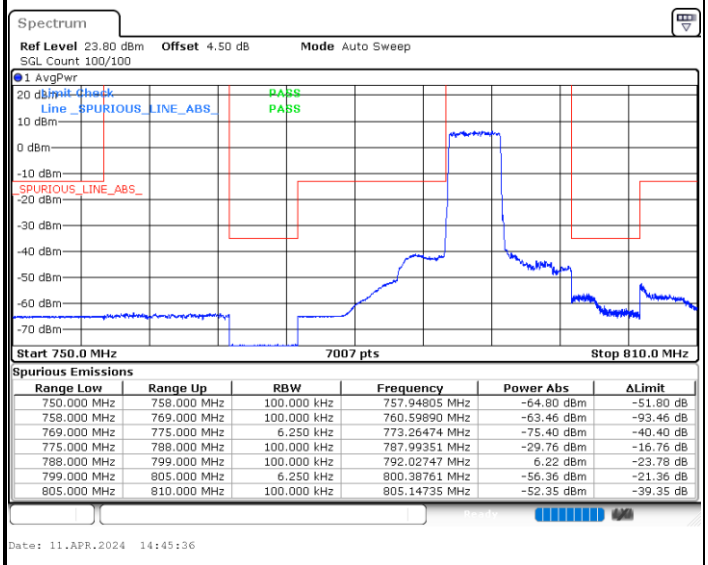


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	757.92408 MHz	-64.87 dBm	-51.87 dB
758.000 MHz	769.000 MHz	100.000 kHz	766.57692 MHz	-63.61 dBm	-93.61 dB
769.000 MHz	775.000 MHz	6.250 kHz	769.33866 MHz	-75.55 dBm	-40.55 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.21429 MHz	-62.24 dBm	-49.24 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.66484 MHz	20.13 dBm	-9.87 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.83616 MHz	-52.29 dBm	-17.29 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.36613 MHz	-59.99 dBm	-46.99 dB

Date: 11.APR.2024 14:52:42

Lowest Band Edge / Full RB

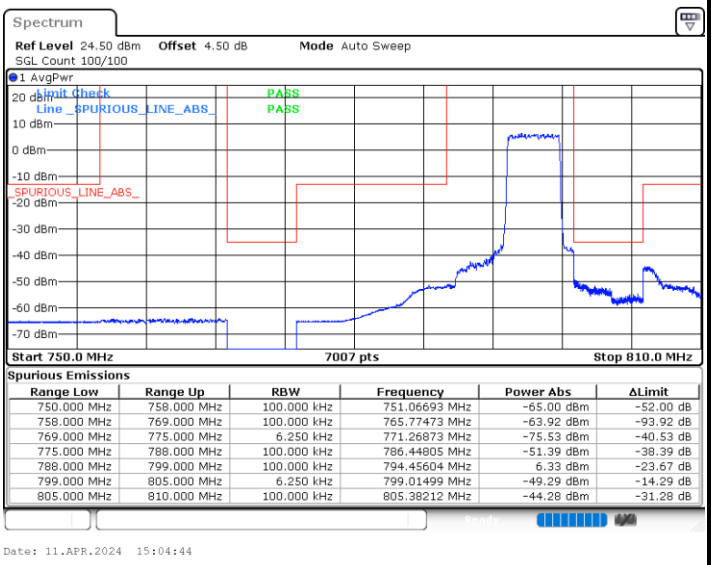


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	757.94805 MHz	-64.80 dBm	-51.80 dB
758.000 MHz	769.000 MHz	100.000 kHz	760.59890 MHz	-63.46 dBm	-93.46 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.26474 MHz	-75.40 dBm	-40.40 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-29.76 dBm	-16.76 dB
788.000 MHz	799.000 MHz	100.000 kHz	792.02747 MHz	6.22 dBm	-23.78 dB
799.000 MHz	805.000 MHz	6.250 kHz	800.38761 MHz	-56.36 dBm	-21.36 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.14735 MHz	-52.35 dBm	-39.35 dB

Date: 11.APR.2024 14:45:36

Highest Band Edge / Full RB



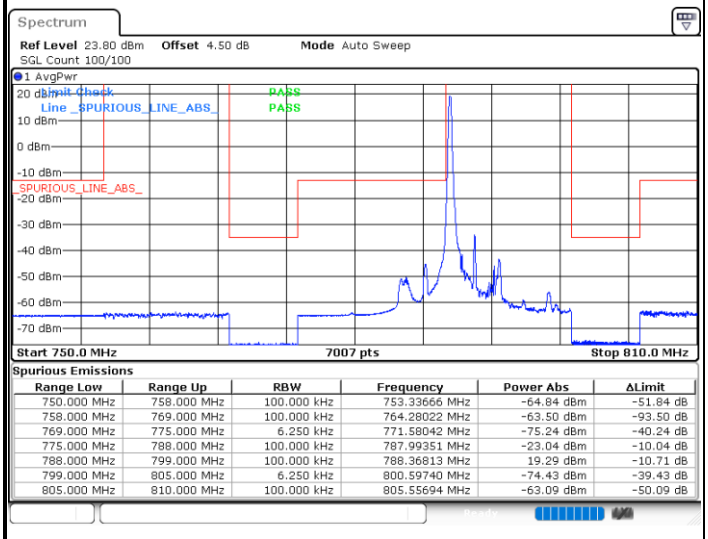
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	751.06693 MHz	-65.00 dBm	-52.00 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.77473 MHz	-63.92 dBm	-93.92 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.26873 MHz	-75.53 dBm	-40.53 dB
775.000 MHz	788.000 MHz	100.000 kHz	786.44805 MHz	-51.39 dBm	-38.39 dB
788.000 MHz	799.000 MHz	100.000 kHz	794.45604 MHz	6.33 dBm	-23.67 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.01499 MHz	-49.29 dBm	-14.29 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.38212 MHz	-44.28 dBm	-31.28 dB

Date: 11.APR.2024 15:04:44

LTE Band 14 / 5MHz / 16QAM

Lowest Band Edge /1 RB

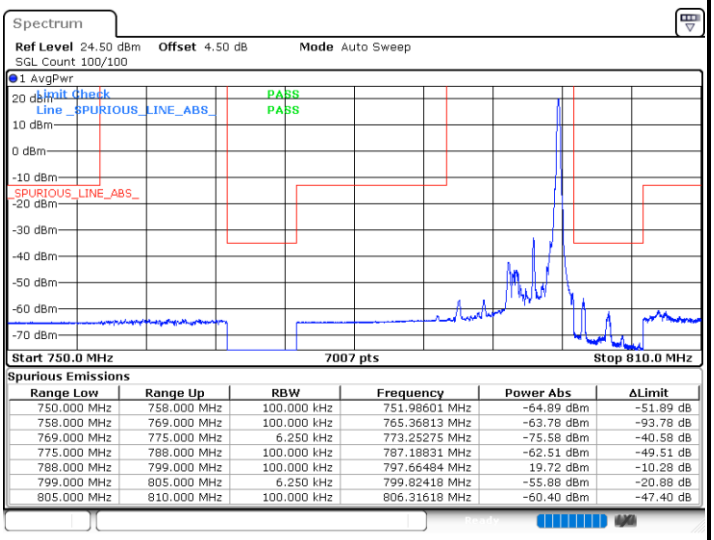


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	753.33666 MHz	-64.84 dBm	-51.84 dB
758.000 MHz	769.000 MHz	100.000 kHz	764.28022 MHz	-63.50 dBm	-93.50 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.58042 MHz	-75.24 dBm	-40.24 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-23.04 dBm	-10.04 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.36813 MHz	19.29 dBm	-10.71 dB
799.000 MHz	805.000 MHz	6.250 kHz	800.59740 MHz	-74.43 dBm	-39.43 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.55694 MHz	-63.09 dBm	-50.09 dB

Date: 11.APR.2024 14:35:22

Highest Band Edge / 1 RB

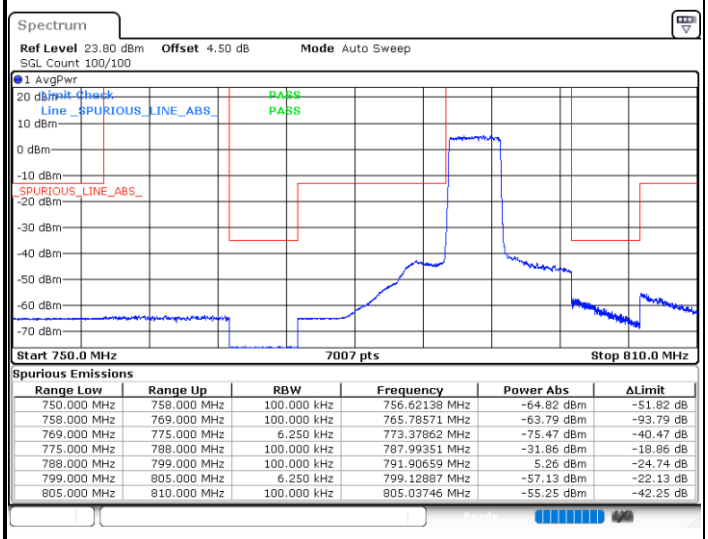


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	751.98601 MHz	-64.89 dBm	-51.89 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.36813 MHz	-63.78 dBm	-93.78 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.25275 MHz	-75.58 dBm	-40.58 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.18831 MHz	-62.51 dBm	-49.51 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.66484 MHz	19.72 dBm	-10.28 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.82418 MHz	-55.88 dBm	-20.88 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.31618 MHz	-60.40 dBm	-47.40 dB

Date: 11.APR.2024 14:54:21

Lowest Band Edge / Full RB

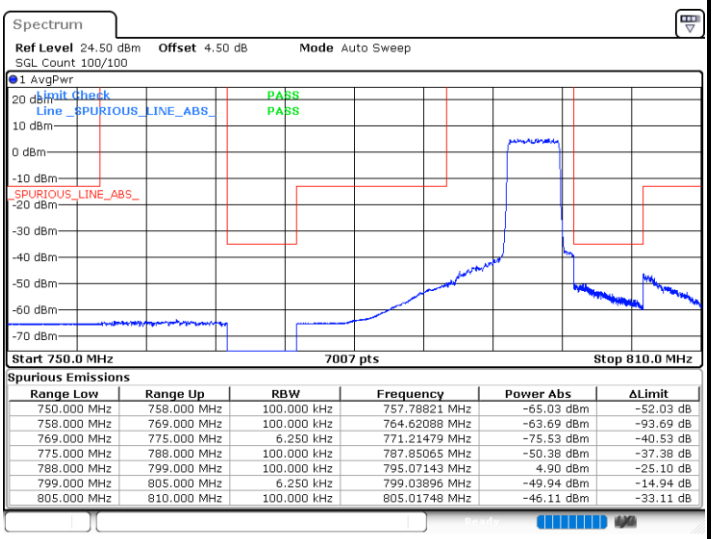


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	756.62138 MHz	-64.82 dBm	-51.82 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.78571 MHz	-63.79 dBm	-93.79 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.37862 MHz	-75.47 dBm	-40.47 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-31.86 dBm	-18.86 dB
788.000 MHz	799.000 MHz	100.000 kHz	791.90659 MHz	5.26 dBm	-24.74 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.12887 MHz	-57.13 dBm	-22.13 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.03746 MHz	-55.25 dBm	-42.25 dB

Date: 11.APR.2024 14:44:20

Highest Band Edge / Full RB



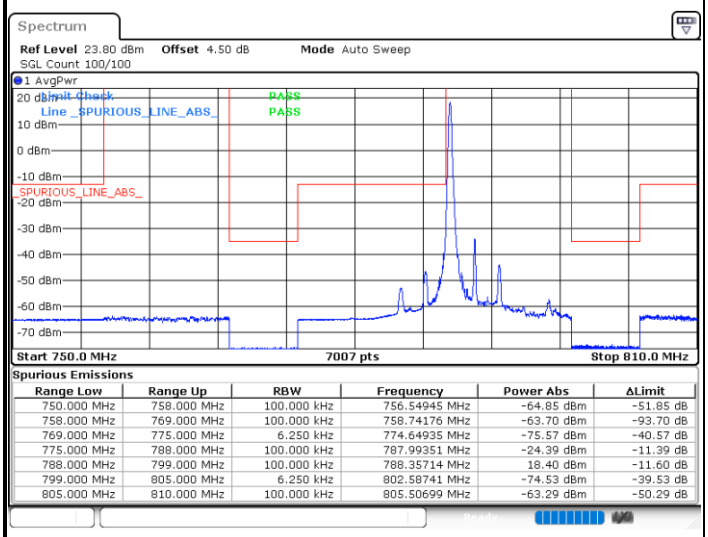
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	757.78821 MHz	-65.03 dBm	-52.03 dB
758.000 MHz	769.000 MHz	100.000 kHz	764.62088 MHz	-63.69 dBm	-93.69 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.21479 MHz	-75.53 dBm	-40.53 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.85065 MHz	-50.38 dBm	-37.38 dB
788.000 MHz	799.000 MHz	100.000 kHz	795.07143 MHz	4.90 dBm	-25.10 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.03896 MHz	-49.94 dBm	-14.94 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.01748 MHz	-46.11 dBm	-33.11 dB

Date: 11.APR.2024 15:03:42

LTE Band 14 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

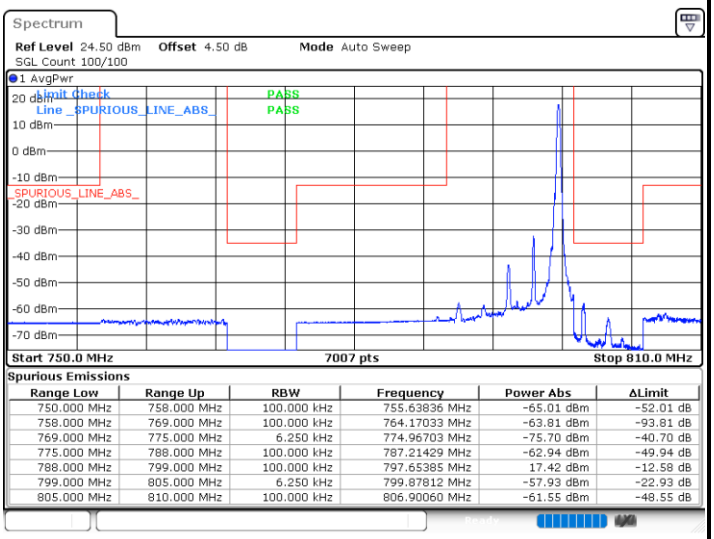


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	756.54945 MHz	-64.85 dBm	-51.85 dB
758.000 MHz	769.000 MHz	100.000 kHz	758.74176 MHz	-63.70 dBm	-93.70 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.64935 MHz	-75.57 dBm	-40.57 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-24.39 dBm	-11.39 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.35714 MHz	18.40 dBm	-11.60 dB
799.000 MHz	805.000 MHz	6.250 kHz	802.58741 MHz	-74.53 dBm	-39.53 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.50699 MHz	-63.29 dBm	-50.29 dB

Date: 11.APR.2024 14:36:51

Highest Band Edge / 1 RB

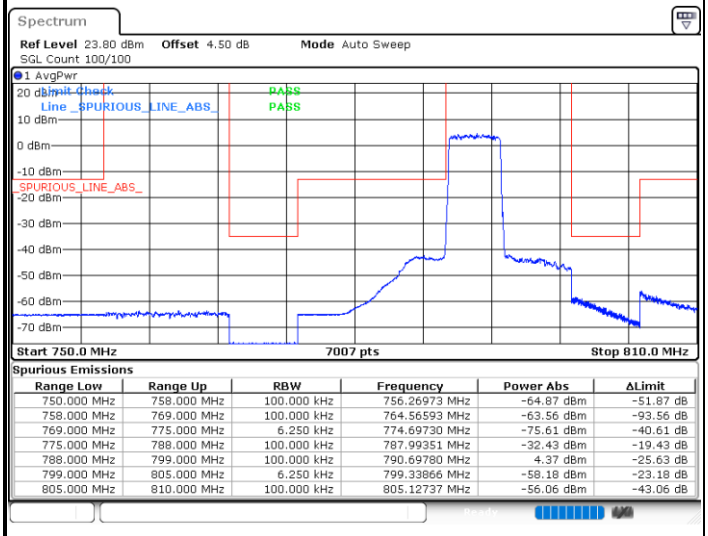


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	755.63836 MHz	-65.01 dBm	-52.01 dB
758.000 MHz	769.000 MHz	100.000 kHz	764.17033 MHz	-63.81 dBm	-93.81 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.96703 MHz	-75.70 dBm	-40.70 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.21429 MHz	-62.94 dBm	-49.94 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.65385 MHz	17.42 dBm	-12.58 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.87812 MHz	-57.93 dBm	-22.93 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.90060 MHz	-61.55 dBm	-48.55 dB

Date: 11.APR.2024 14:56:13

Lowest Band Edge / Full RB

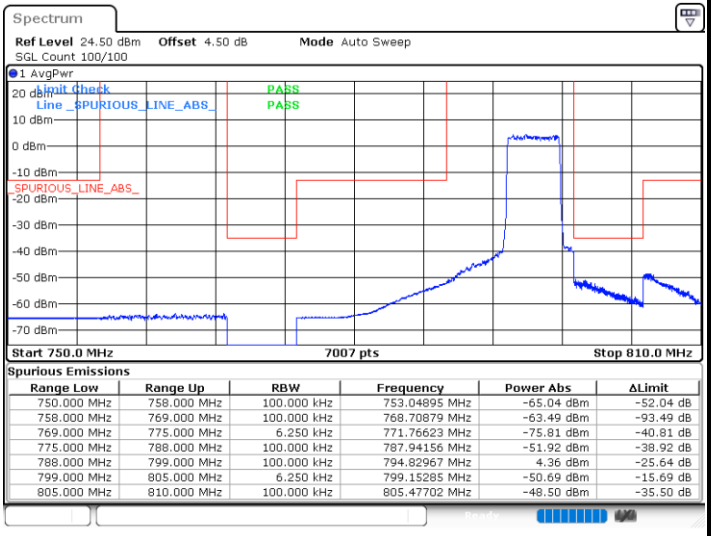


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	756.26973 MHz	-64.87 dBm	-51.87 dB
758.000 MHz	769.000 MHz	100.000 kHz	764.56593 MHz	-63.56 dBm	-93.56 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.69730 MHz	-75.61 dBm	-40.61 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-32.43 dBm	-19.43 dB
788.000 MHz	799.000 MHz	100.000 kHz	790.69780 MHz	4.37 dBm	-25.63 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.33866 MHz	-58.18 dBm	-23.18 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.12737 MHz	-56.06 dBm	-43.06 dB

Date: 11.APR.2024 14:42:46

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	753.04895 MHz	-65.04 dBm	-52.04 dB
758.000 MHz	769.000 MHz	100.000 kHz	768.70879 MHz	-63.49 dBm	-93.49 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.76623 MHz	-75.81 dBm	-40.81 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.94156 MHz	-51.92 dBm	-38.92 dB
788.000 MHz	799.000 MHz	100.000 kHz	794.82967 MHz	4.36 dBm	-25.64 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.15285 MHz	-50.69 dBm	-15.69 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.47702 MHz	-48.50 dBm	-35.50 dB

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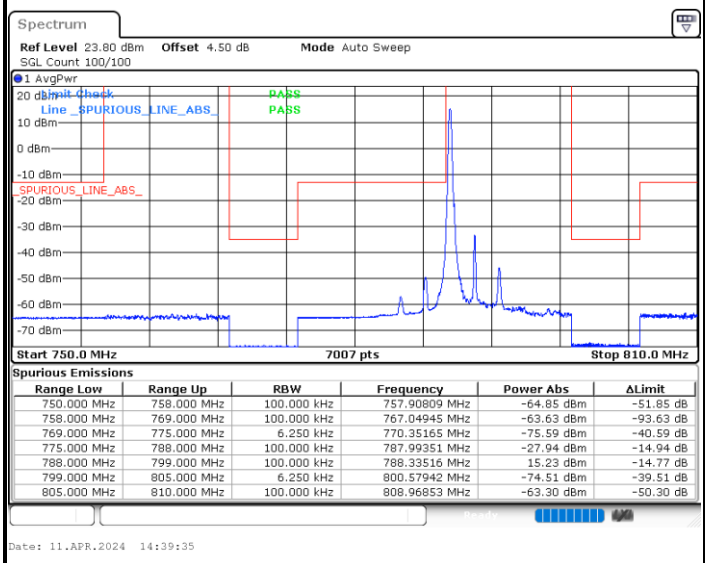
LTE Band 14 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

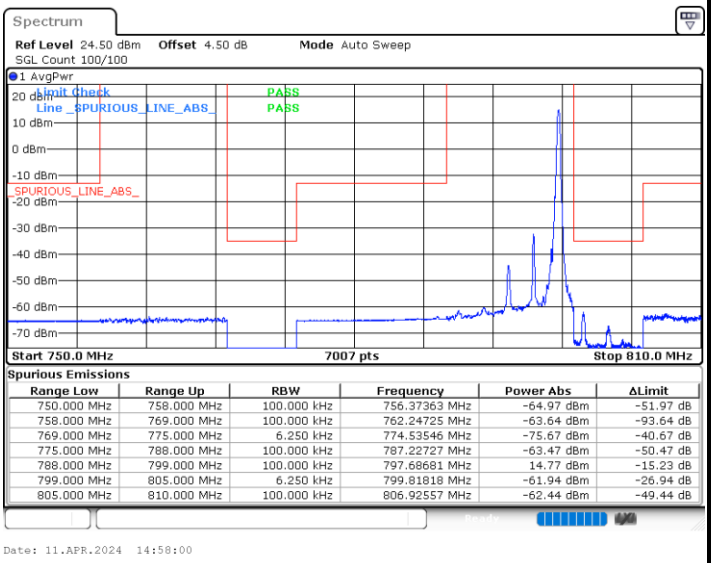


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	757.90809 MHz	-64.85 dBm	-51.85 dB
758.000 MHz	769.000 MHz	100.000 kHz	767.04945 MHz	-63.63 dBm	-93.63 dB
769.000 MHz	775.000 MHz	6.250 kHz	770.35165 MHz	-75.59 dBm	-40.59 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-27.94 dBm	-14.94 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.33516 MHz	15.23 dBm	-14.77 dB
799.000 MHz	805.000 MHz	6.250 kHz	800.57942 MHz	-74.51 dBm	-39.51 dB
805.000 MHz	810.000 MHz	100.000 kHz	808.96853 MHz	-63.30 dBm	-50.30 dB

Date: 11.APR.2024 14:39:35

Highest Band Edge / 1 RB

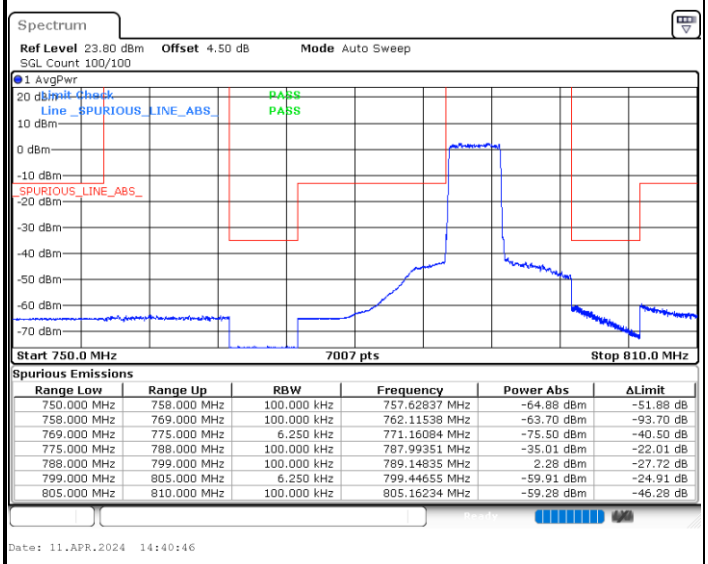


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	756.37363 MHz	-64.97 dBm	-51.97 dB
758.000 MHz	769.000 MHz	100.000 kHz	762.24725 MHz	-63.64 dBm	-93.64 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.53546 MHz	-75.67 dBm	-40.67 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.22727 MHz	-63.47 dBm	-50.47 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.68681 MHz	14.77 dBm	-15.23 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.81818 MHz	-61.94 dBm	-26.94 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.92557 MHz	-62.44 dBm	-49.44 dB

Date: 11.APR.2024 14:58:00

Lowest Band Edge / Full RB

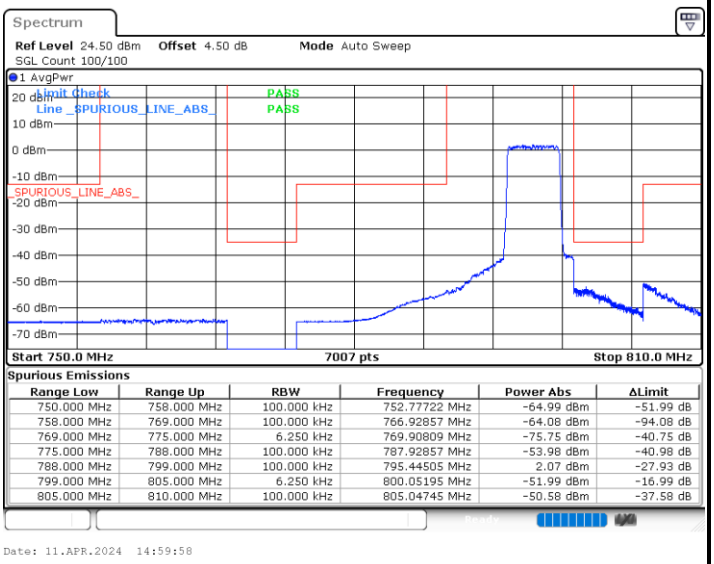


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	757.62837 MHz	-64.88 dBm	-51.88 dB
758.000 MHz	769.000 MHz	100.000 kHz	762.11538 MHz	-63.70 dBm	-93.70 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.16084 MHz	-75.50 dBm	-40.50 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-35.01 dBm	-22.01 dB
788.000 MHz	799.000 MHz	100.000 kHz	789.14835 MHz	2.28 dBm	-27.72 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.44655 MHz	-59.91 dBm	-24.91 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.16234 MHz	-59.28 dBm	-46.28 dB

Date: 11.APR.2024 14:40:46

Highest Band Edge / Full RB



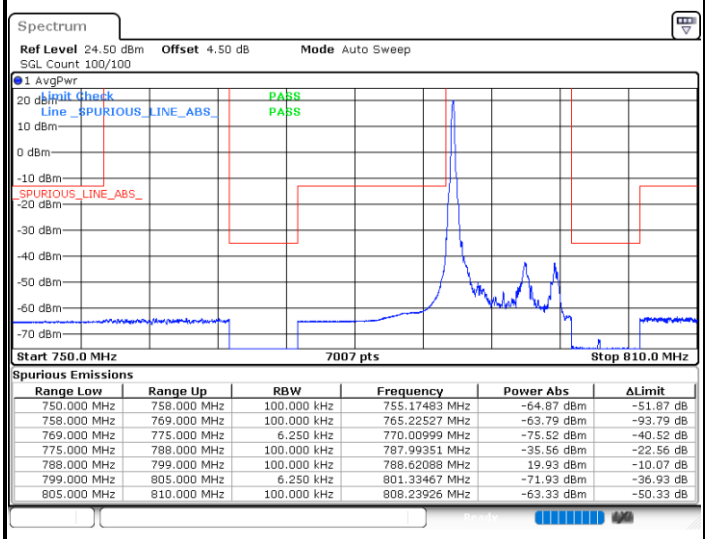
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	752.77722 MHz	-64.99 dBm	-51.99 dB
758.000 MHz	769.000 MHz	100.000 kHz	766.92857 MHz	-64.08 dBm	-94.08 dB
769.000 MHz	775.000 MHz	6.250 kHz	769.90809 MHz	-75.75 dBm	-40.75 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.92857 MHz	-53.98 dBm	-40.98 dB
788.000 MHz	799.000 MHz	100.000 kHz	795.44505 MHz	2.07 dBm	-27.93 dB
799.000 MHz	805.000 MHz	6.250 kHz	800.05195 MHz	-51.99 dBm	-16.99 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.04745 MHz	-50.58 dBm	-37.58 dB

Date: 11.APR.2024 14:59:58

LTE Band 14 / 10MHz / QPSK

Lowest Band Edge / 1 RB

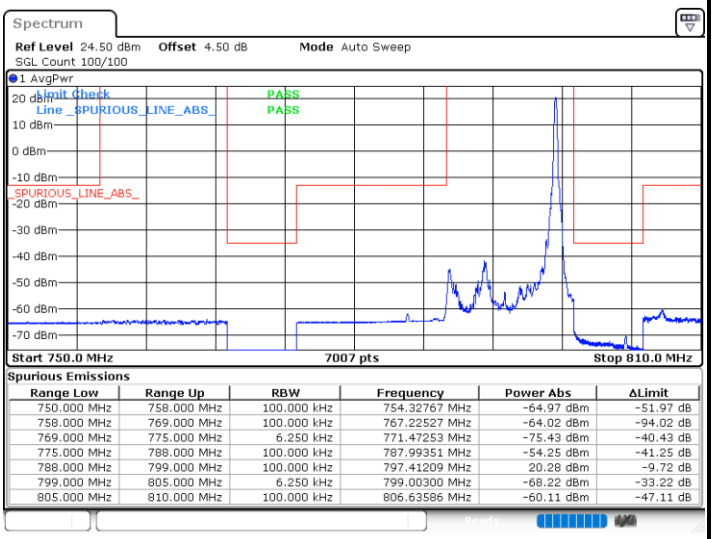


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	755.17483 MHz	-64.87 dBm	-51.87 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.22527 MHz	-63.79 dBm	-93.79 dB
769.000 MHz	775.000 MHz	6.250 kHz	770.00999 MHz	-75.52 dBm	-40.52 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-35.56 dBm	-22.56 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.62088 MHz	19.93 dBm	-10.07 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.33467 MHz	-71.93 dBm	-36.93 dB
805.000 MHz	810.000 MHz	100.000 kHz	808.23926 MHz	-63.33 dBm	-50.33 dB

Date: 11.APR.2024 15:17:02

Highest Band Edge / 1 RB

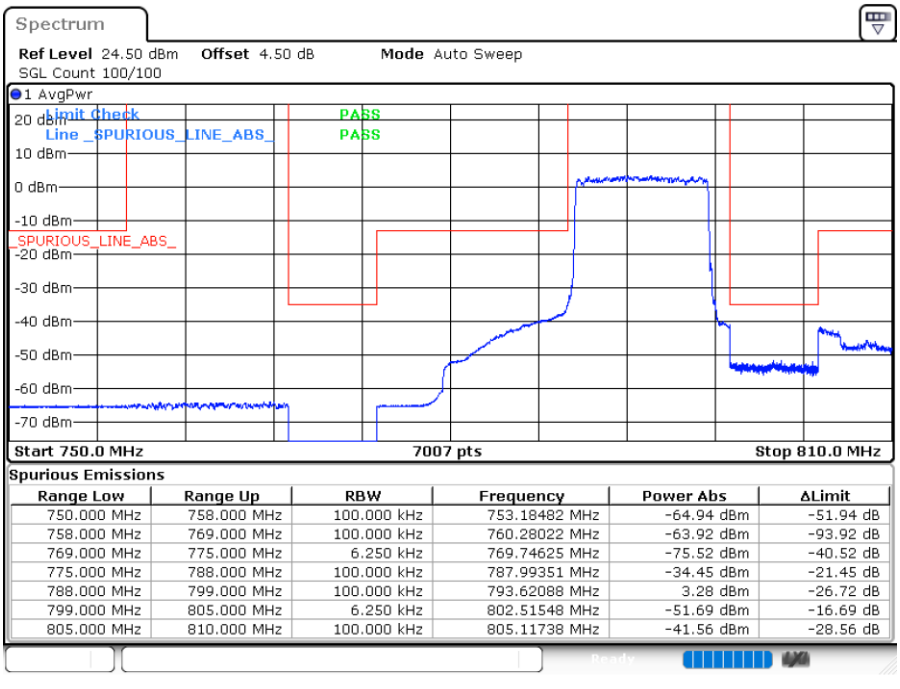


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	754.32767 MHz	-64.97 dBm	-51.97 dB
758.000 MHz	769.000 MHz	100.000 kHz	767.22527 MHz	-64.02 dBm	-94.02 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.47253 MHz	-75.43 dBm	-40.43 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-54.25 dBm	-41.25 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.41209 MHz	20.28 dBm	-9.72 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.00300 MHz	-68.22 dBm	-33.22 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.63586 MHz	-60.11 dBm	-47.11 dB

Date: 11.APR.2024 15:27:40

Band Edge / Full RB

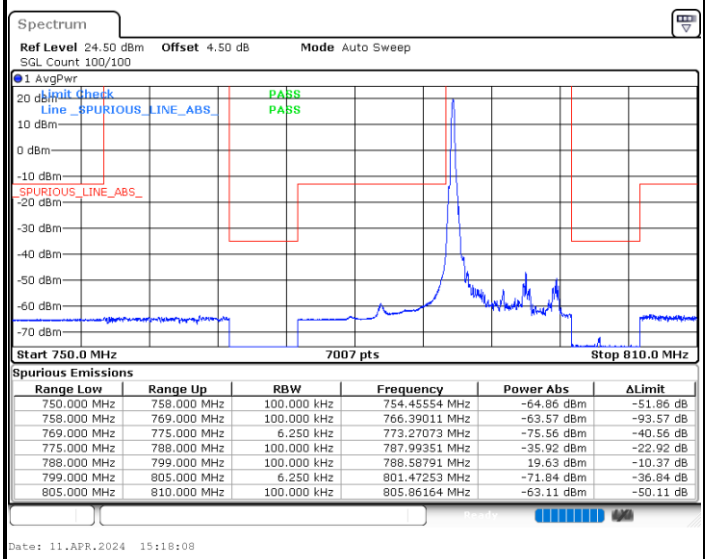


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	753.18482 MHz	-64.94 dBm	-51.94 dB
758.000 MHz	769.000 MHz	100.000 kHz	760.28022 MHz	-63.92 dBm	-93.92 dB
769.000 MHz	775.000 MHz	6.250 kHz	769.74625 MHz	-75.52 dBm	-40.52 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-34.45 dBm	-21.45 dB
788.000 MHz	799.000 MHz	100.000 kHz	793.62088 MHz	3.28 dBm	-26.72 dB
799.000 MHz	805.000 MHz	6.250 kHz	802.51548 MHz	-51.69 dBm	-16.69 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.11738 MHz	-41.56 dBm	-28.56 dB

Date: 11.APR.2024 15:28:56

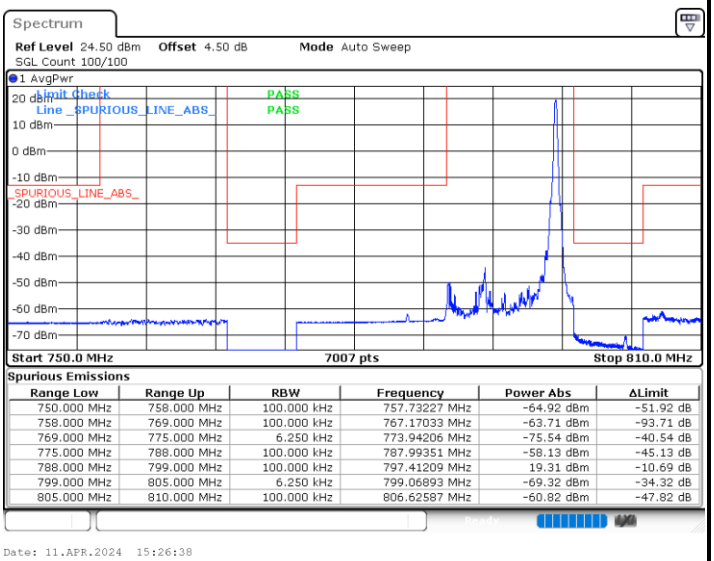
LTE Band 14 / 10MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	754.45554 MHz	-64.86 dBm	-51.86 dB
758.000 MHz	769.000 MHz	100.000 kHz	766.39011 MHz	-63.57 dBm	-93.57 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.27073 MHz	-75.56 dBm	-40.56 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-35.92 dBm	-22.92 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.58791 MHz	19.63 dBm	-10.37 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.47253 MHz	-71.84 dBm	-36.84 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.86164 MHz	-63.11 dBm	-50.11 dB

Date: 11.APR.2024 15:18:08

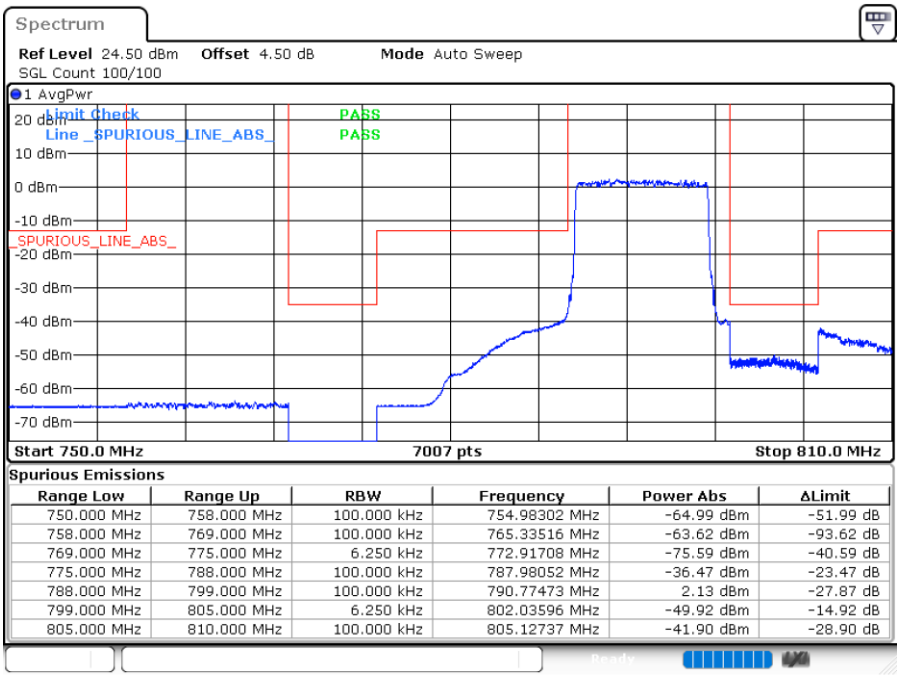


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	757.73227 MHz	-64.92 dBm	-51.92 dB
758.000 MHz	769.000 MHz	100.000 kHz	767.17033 MHz	-63.71 dBm	-93.71 dB
769.000 MHz	775.000 MHz	6.250 kHz	773.94206 MHz	-75.54 dBm	-40.54 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-58.13 dBm	-45.13 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.41209 MHz	19.31 dBm	-10.69 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.06893 MHz	-69.32 dBm	-34.32 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.62587 MHz	-60.82 dBm	-47.82 dB

Date: 11.APR.2024 15:26:38

Band Edge / Full RB



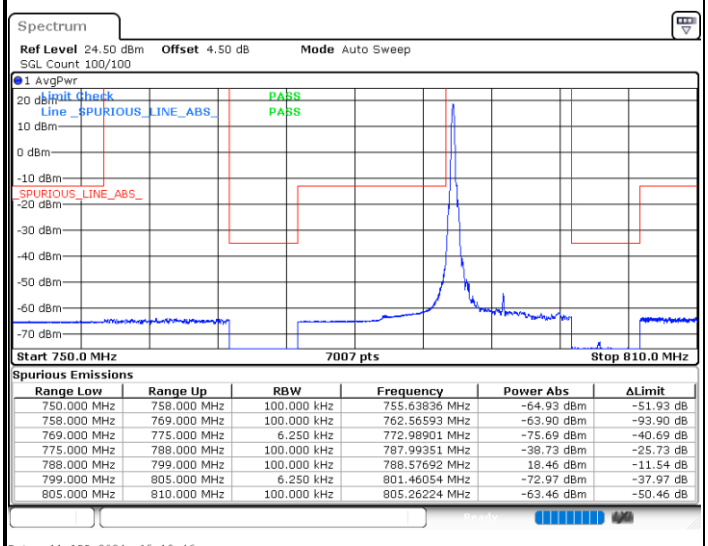
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	754.98302 MHz	-64.99 dBm	-51.99 dB
758.000 MHz	769.000 MHz	100.000 kHz	765.33516 MHz	-63.62 dBm	-93.62 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.91708 MHz	-75.59 dBm	-40.59 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.98052 MHz	-36.47 dBm	-23.47 dB
788.000 MHz	799.000 MHz	100.000 kHz	790.77473 MHz	2.13 dBm	-27.87 dB
799.000 MHz	805.000 MHz	6.250 kHz	802.03596 MHz	-49.92 dBm	-14.92 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.12737 MHz	-41.90 dBm	-28.90 dB

Date: 11.APR.2024 15:30:22

LTE Band 14 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

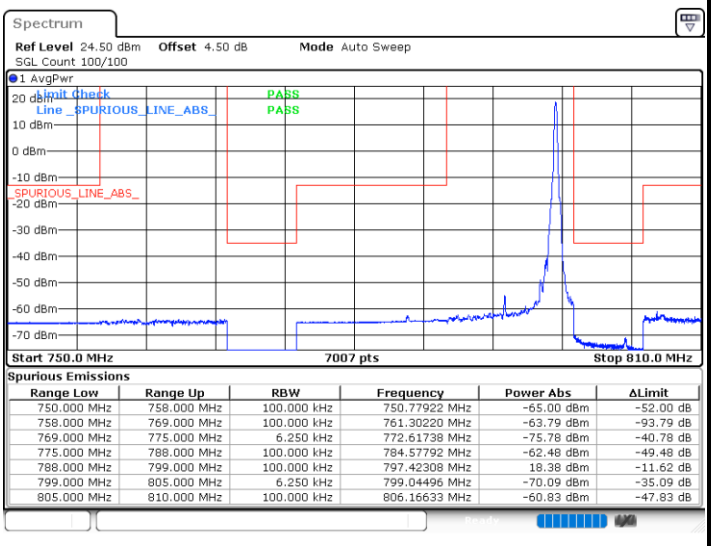


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	755.63836 MHz	-64.93 dBm	-51.93 dB
758.000 MHz	769.000 MHz	100.000 kHz	762.56593 MHz	-63.90 dBm	-93.90 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.98901 MHz	-75.69 dBm	-40.69 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-38.73 dBm	-25.73 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.57692 MHz	18.46 dBm	-11.54 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.46054 MHz	-72.97 dBm	-37.97 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.26224 MHz	-63.46 dBm	-50.46 dB

Date: 11.APR.2024 15:19:46

Highest Band Edge / 1 RB

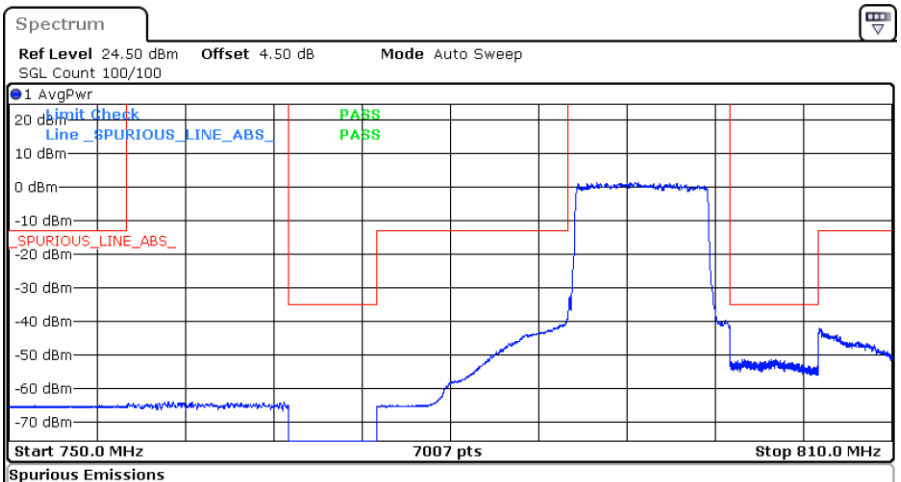


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	750.77922 MHz	-65.00 dBm	-52.00 dB
758.000 MHz	769.000 MHz	100.000 kHz	761.30220 MHz	-63.79 dBm	-93.79 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.61738 MHz	-75.78 dBm	-40.78 dB
775.000 MHz	788.000 MHz	100.000 kHz	784.57792 MHz	-62.48 dBm	-49.48 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.42308 MHz	18.38 dBm	-11.62 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.04496 MHz	-70.09 dBm	-35.09 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.16633 MHz	-60.83 dBm	-47.83 dB

Date: 11.APR.2024 15:25:08

Band Edge / Full RB



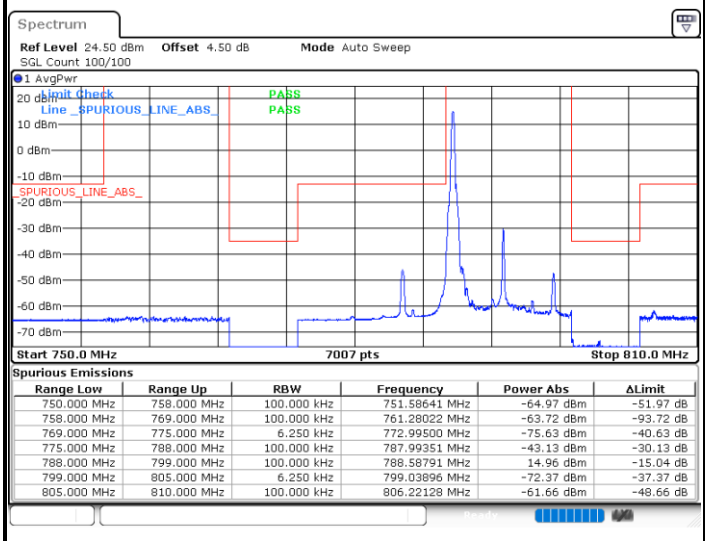
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	751.77023 MHz	-65.00 dBm	-52.00 dB
758.000 MHz	769.000 MHz	100.000 kHz	760.81868 MHz	-63.96 dBm	-93.96 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.27572 MHz	-75.72 dBm	-40.72 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-38.28 dBm	-25.28 dB
788.000 MHz	799.000 MHz	100.000 kHz	789.96154 MHz	1.27 dBm	-28.73 dB
799.000 MHz	805.000 MHz	6.250 kHz	802.08392 MHz	-51.12 dBm	-16.12 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.05245 MHz	-42.04 dBm	-29.04 dB

Date: 11.APR.2024 15:31:31

LTE Band 14 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

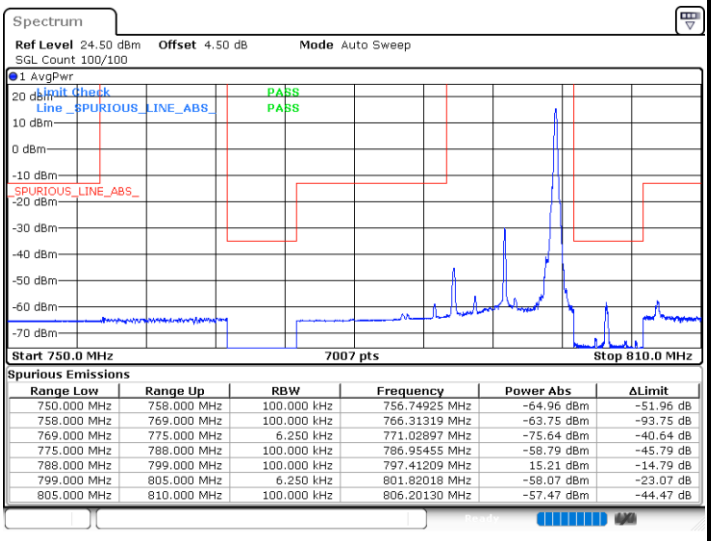


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	751.58641 MHz	-64.97 dBm	-51.97 dB
758.000 MHz	769.000 MHz	100.000 kHz	761.28022 MHz	-63.72 dBm	-93.72 dB
769.000 MHz	775.000 MHz	6.250 kHz	772.99500 MHz	-75.63 dBm	-40.63 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-43.13 dBm	-30.13 dB
788.000 MHz	799.000 MHz	100.000 kHz	788.58791 MHz	14.96 dBm	-15.04 dB
799.000 MHz	805.000 MHz	6.250 kHz	799.03896 MHz	-72.37 dBm	-37.37 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.22128 MHz	-61.66 dBm	-48.66 dB

Date: 11.APR.2024 15:20:58

Highest Band Edge / 1 RB

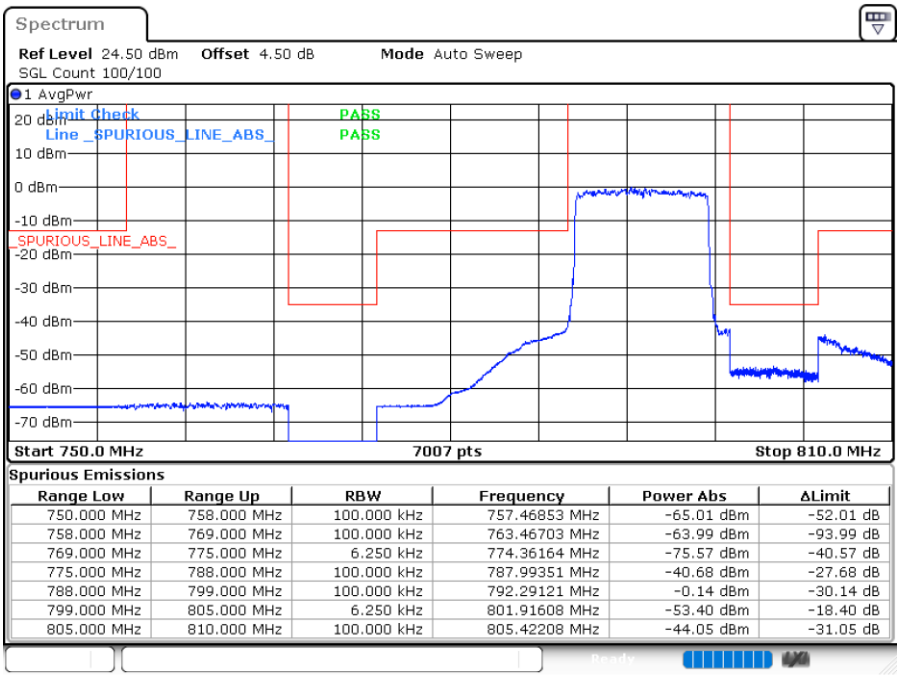


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	756.74925 MHz	-64.96 dBm	-51.96 dB
758.000 MHz	769.000 MHz	100.000 kHz	766.31319 MHz	-63.75 dBm	-93.75 dB
769.000 MHz	775.000 MHz	6.250 kHz	771.02897 MHz	-75.64 dBm	-40.64 dB
775.000 MHz	788.000 MHz	100.000 kHz	786.95455 MHz	-58.79 dBm	-45.79 dB
788.000 MHz	799.000 MHz	100.000 kHz	797.41209 MHz	15.21 dBm	-14.79 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.82018 MHz	-58.07 dBm	-23.07 dB
805.000 MHz	810.000 MHz	100.000 kHz	806.20130 MHz	-57.47 dBm	-44.47 dB

Date: 11.APR.2024 15:22:06

Band Edge / Full RB



Spurious Emissions

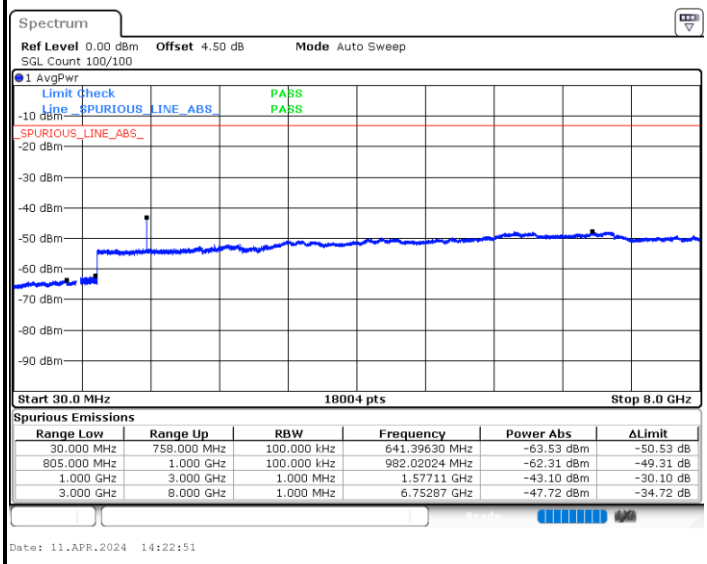
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
750.000 MHz	758.000 MHz	100.000 kHz	757.46853 MHz	-65.01 dBm	-52.01 dB
758.000 MHz	769.000 MHz	100.000 kHz	763.46703 MHz	-63.99 dBm	-93.99 dB
769.000 MHz	775.000 MHz	6.250 kHz	774.36164 MHz	-75.57 dBm	-40.57 dB
775.000 MHz	788.000 MHz	100.000 kHz	787.99351 MHz	-40.68 dBm	-27.68 dB
788.000 MHz	799.000 MHz	100.000 kHz	792.29121 MHz	-0.14 dBm	-30.14 dB
799.000 MHz	805.000 MHz	6.250 kHz	801.91608 MHz	-53.40 dBm	-18.40 dB
805.000 MHz	810.000 MHz	100.000 kHz	805.42208 MHz	-44.05 dBm	-31.05 dB

Date: 11.APR.2024 15:33:09

Conducted Spurious Emission

LTE Band 14 / 5MHz

Lowest Channel / QPSK

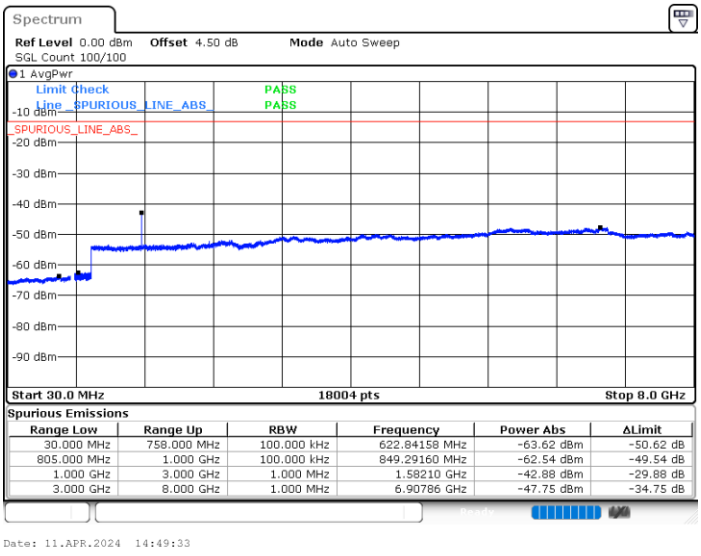


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	758.000 MHz	100.000 kHz	641.39630 MHz	-63.53 dBm	-50.53 dB
805.000 MHz	1.000 GHz	100.000 kHz	982.02024 MHz	-62.31 dBm	-49.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.57711 GHz	-43.10 dBm	-30.10 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.75287 GHz	-47.72 dBm	-34.72 dB

Date: 11.APR.2024 14:22:51

Middle Channel / QPSK

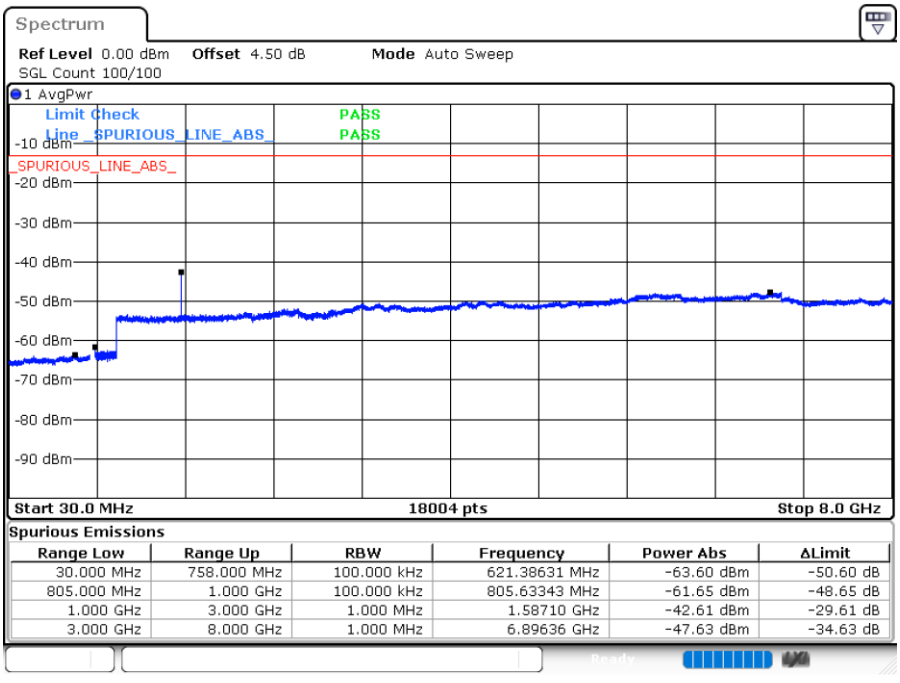


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	758.000 MHz	100.000 kHz	622.84158 MHz	-63.62 dBm	-50.62 dB
805.000 MHz	1.000 GHz	100.000 kHz	849.29160 MHz	-62.54 dBm	-49.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.58210 GHz	-42.88 dBm	-29.88 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.90786 GHz	-47.75 dBm	-34.75 dB

Date: 11.APR.2024 14:49:33

Highest Channel / QPSK

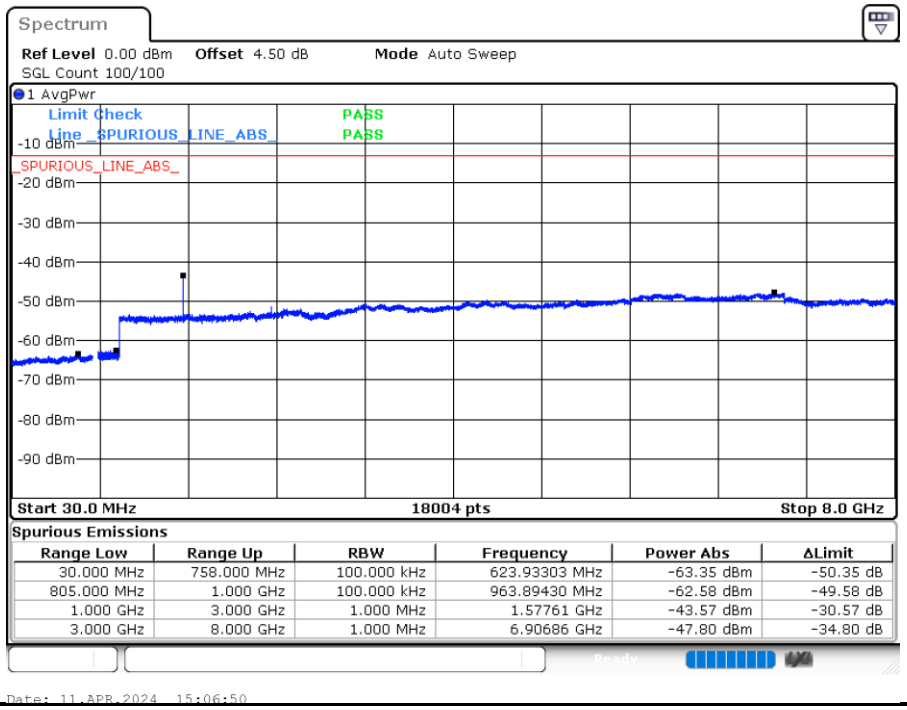


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	758.000 MHz	100.000 kHz	621.38631 MHz	-63.60 dBm	-50.60 dB
805.000 MHz	1.000 GHz	100.000 kHz	805.63343 MHz	-61.65 dBm	-48.65 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.58710 GHz	-42.61 dBm	-29.61 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.89636 GHz	-47.63 dBm	-34.63 dB

Date: 11.APR.2024 14:50:07

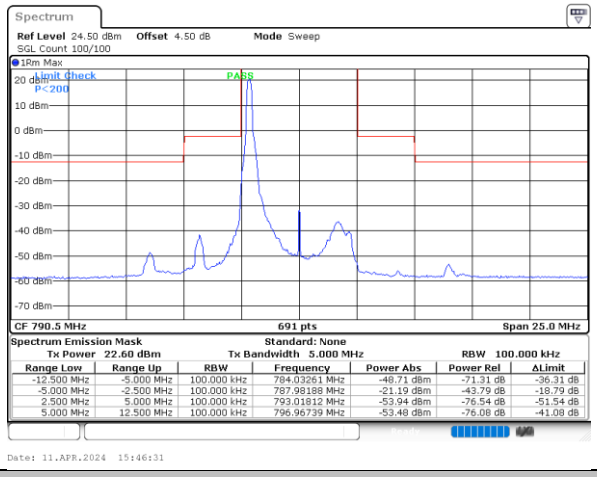
LTE Band 14 / 10MHz
Middle Channel / QPSK

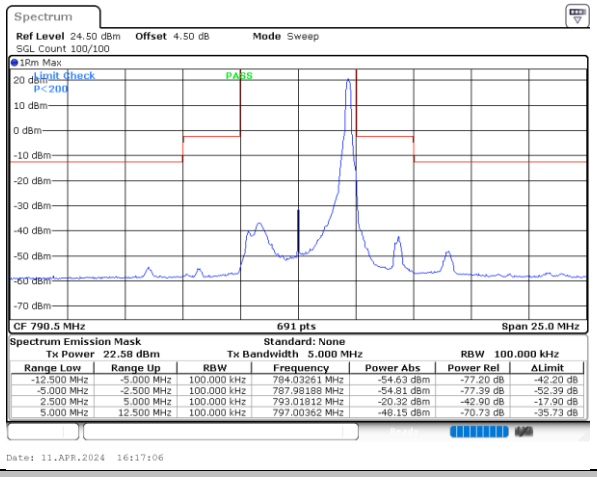


Emission Mask

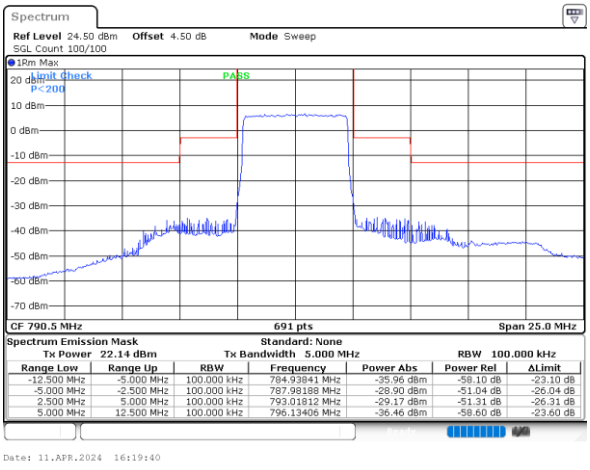
LTE Band 14 / 5MHz / QPSK

Lowest Channel / 1RB



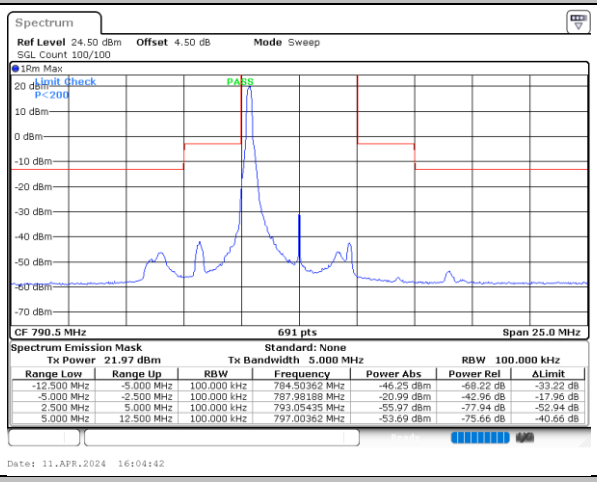


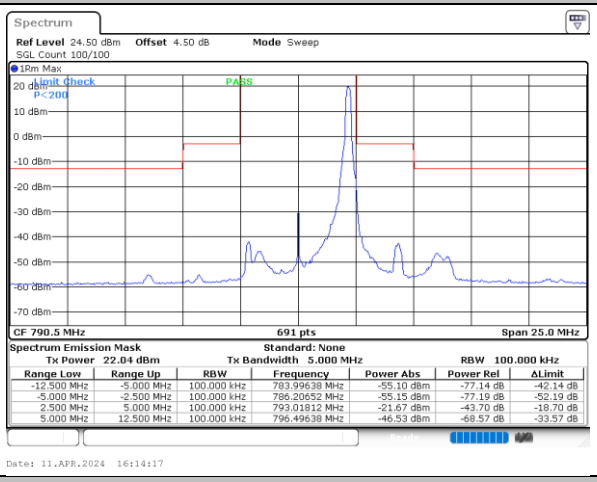
Lowest Channel / Full RB



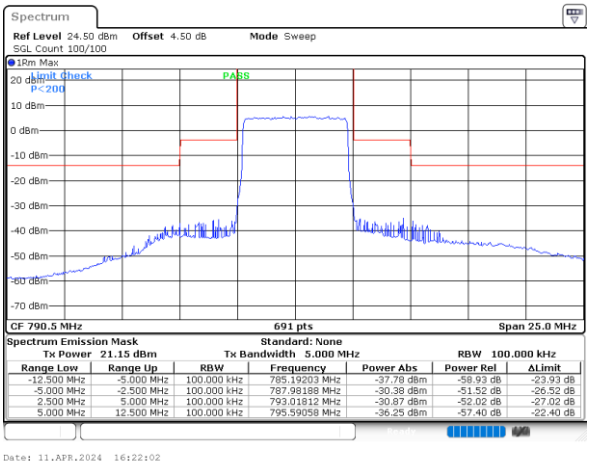
LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB



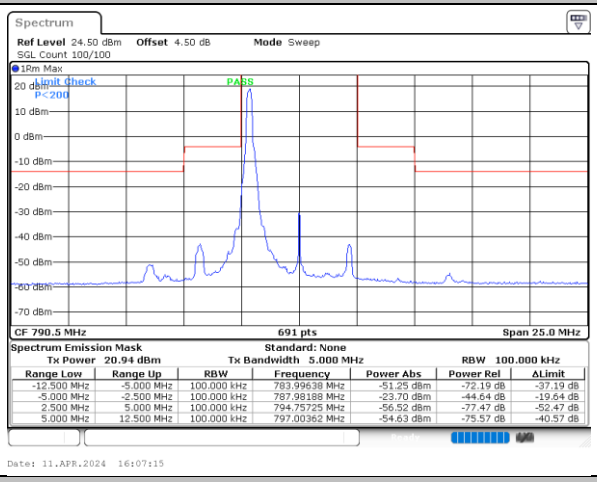


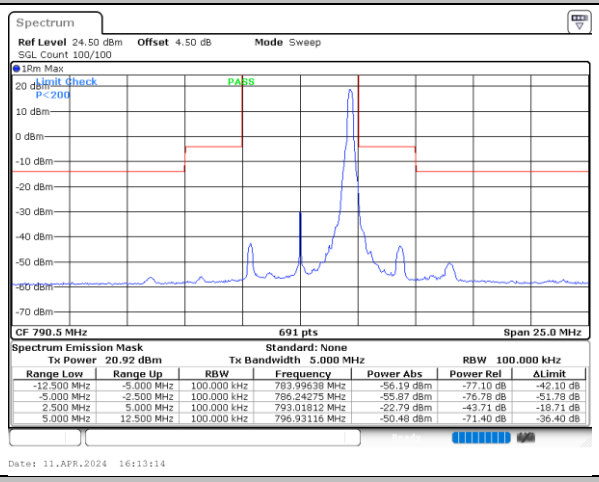
Lowest Channel / Full RB



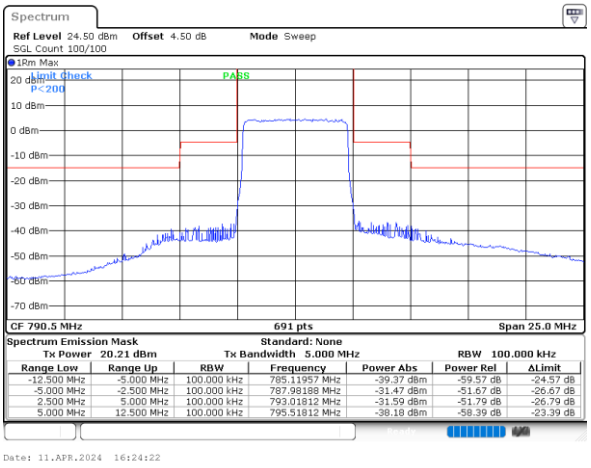
LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB



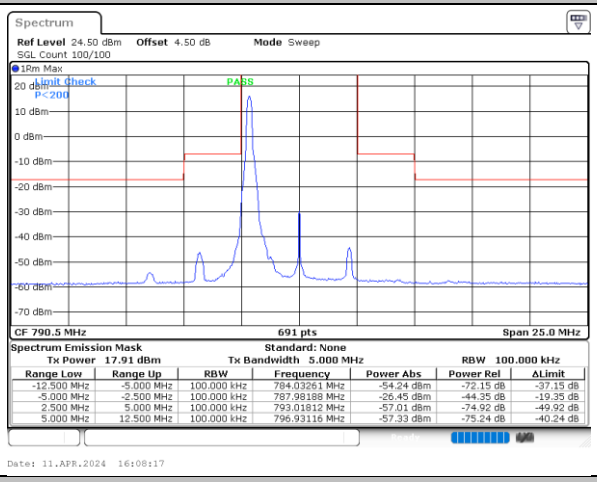


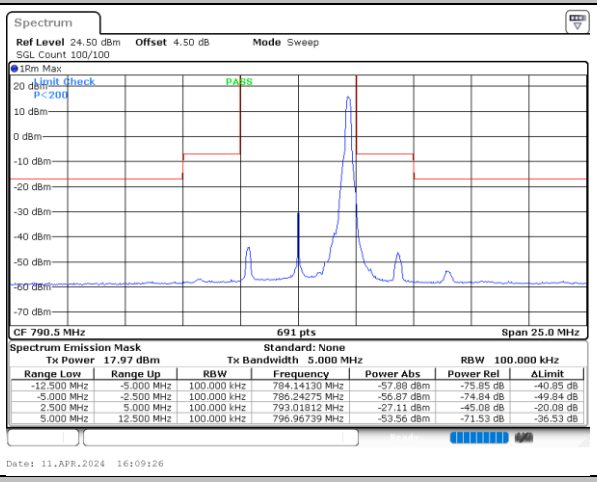
Lowest Channel / Full RB



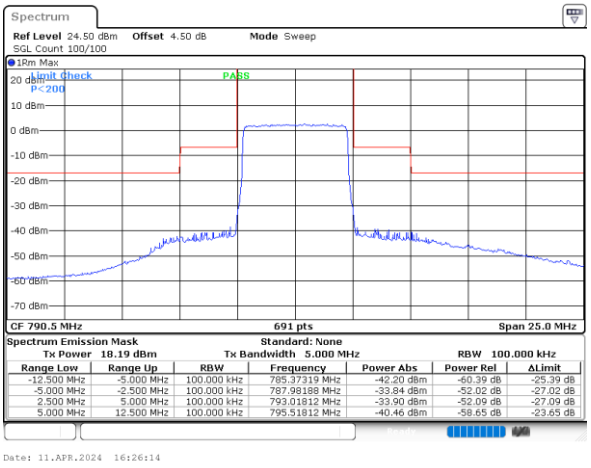
LTE Band 14 / 5MHz / 256QAM

Lowest Channel / 1RB



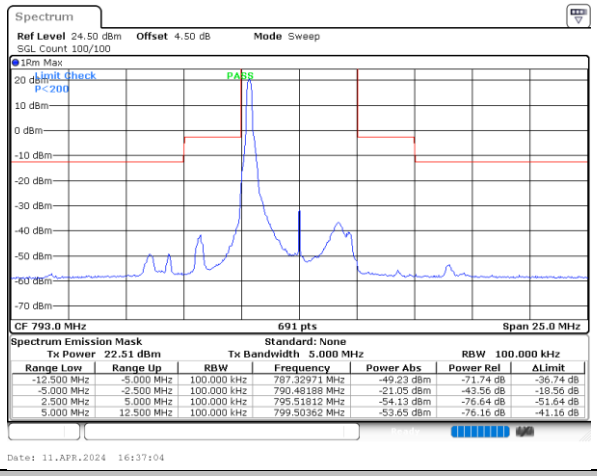


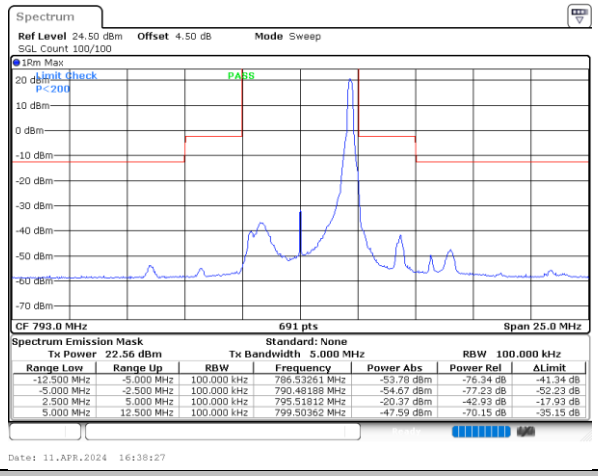
Lowest Channel / Full RB



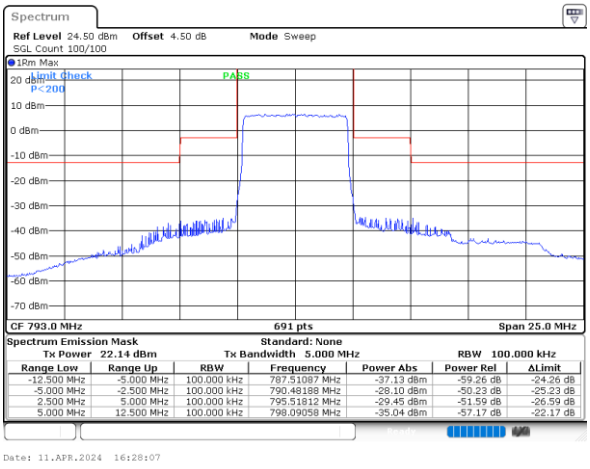
LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB



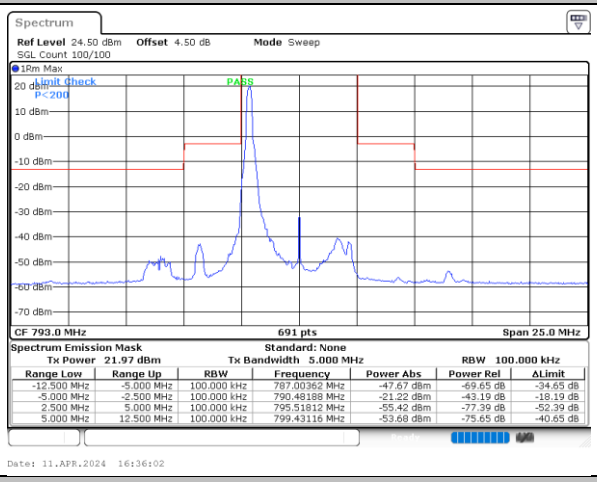


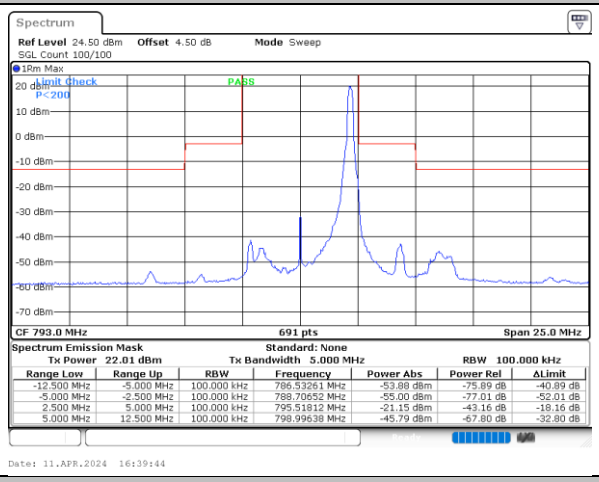
Middle Channel / Full RB



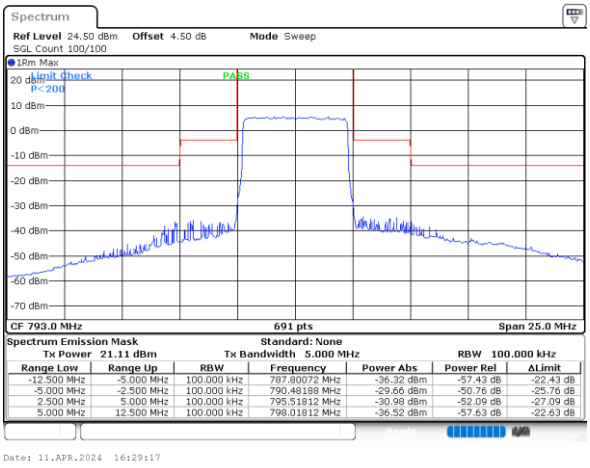
LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB



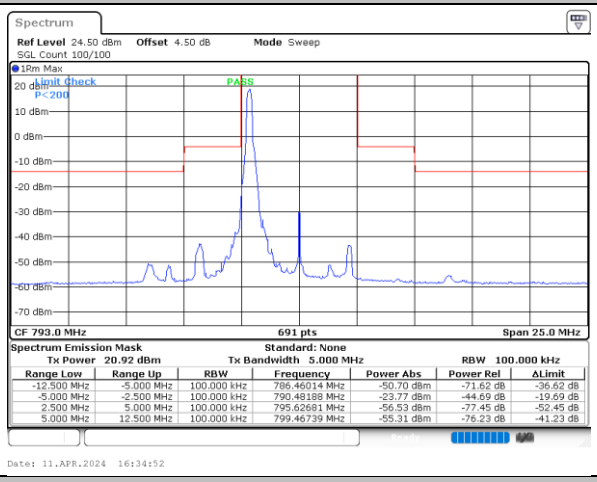


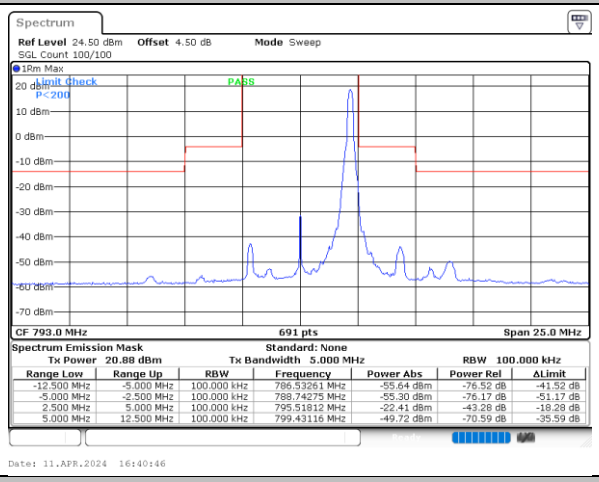
Middle Channel / Full RB



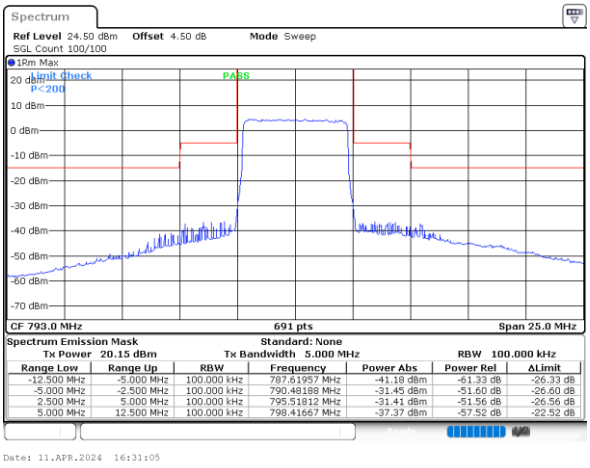
LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB



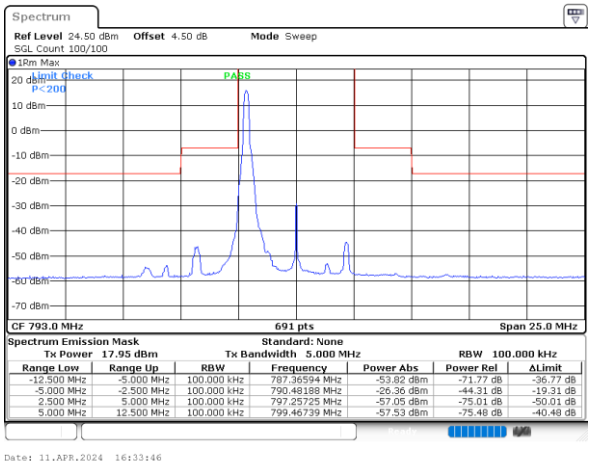


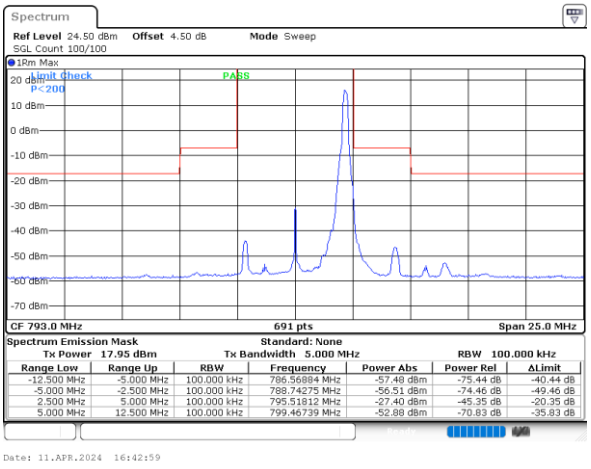
Middle Channel / Full RB



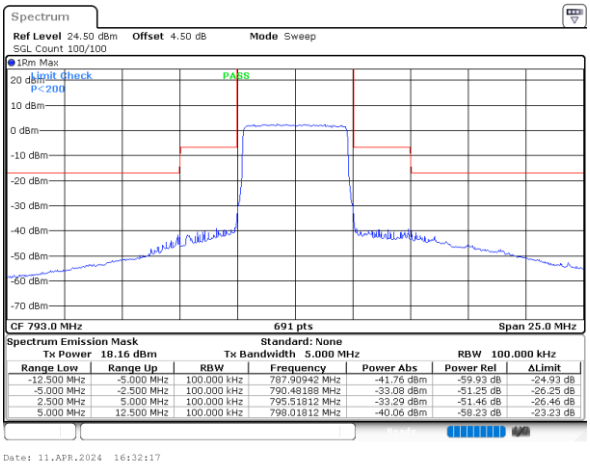
LTE Band 14 / 5MHz / 256QAM

Middle Channel / 1RB



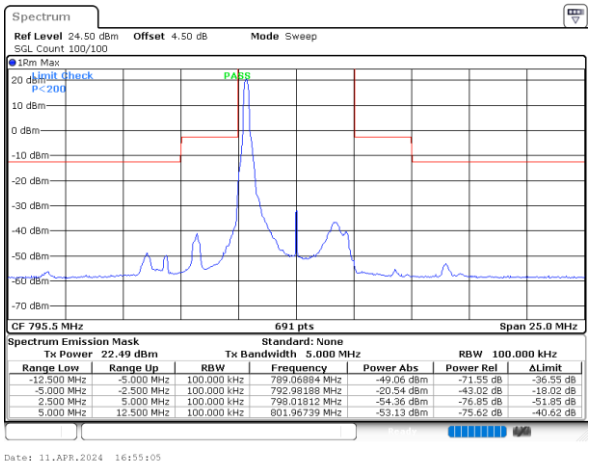


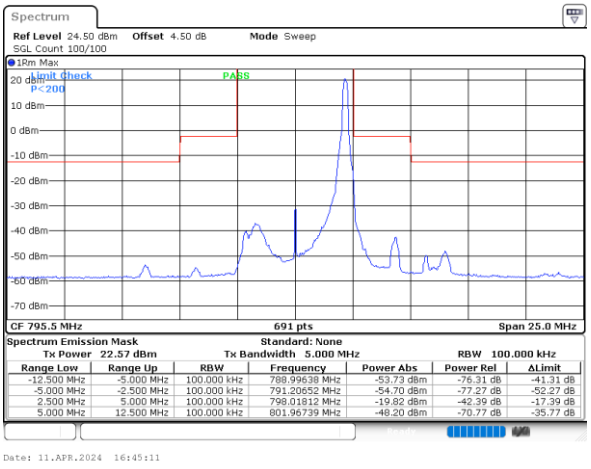
Middle Channel / Full RB



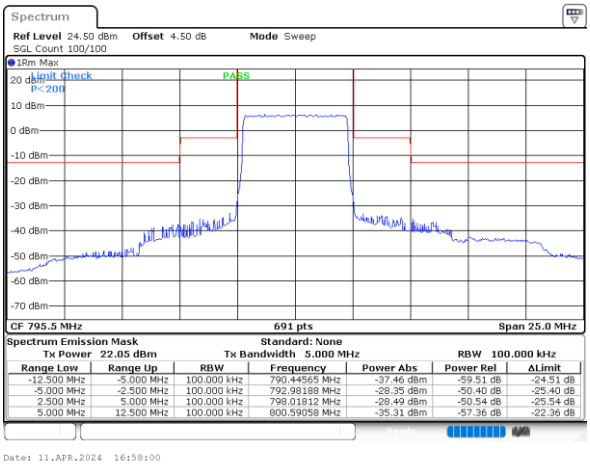
LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB



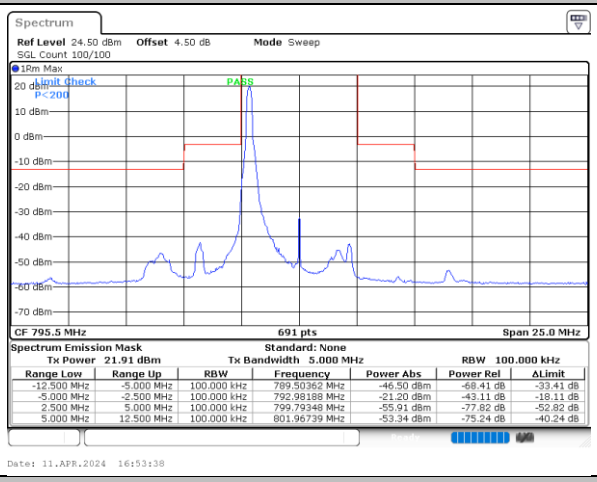


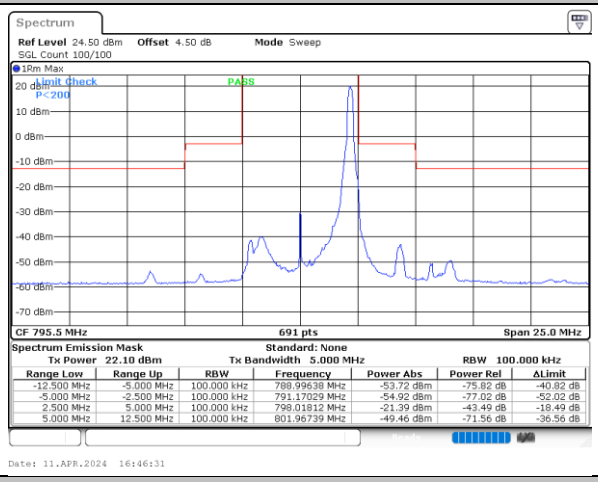
Highest Channel / Full RB



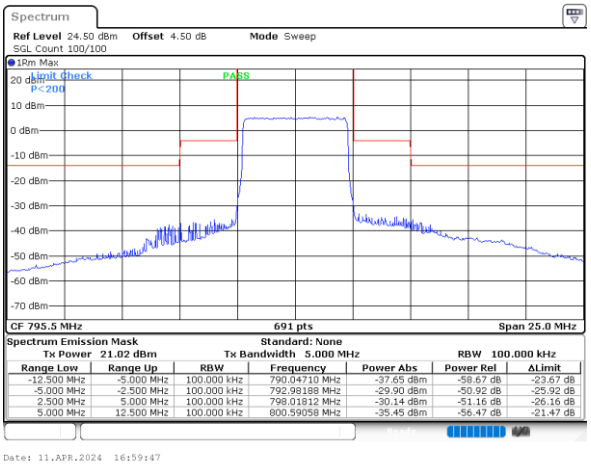
LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB



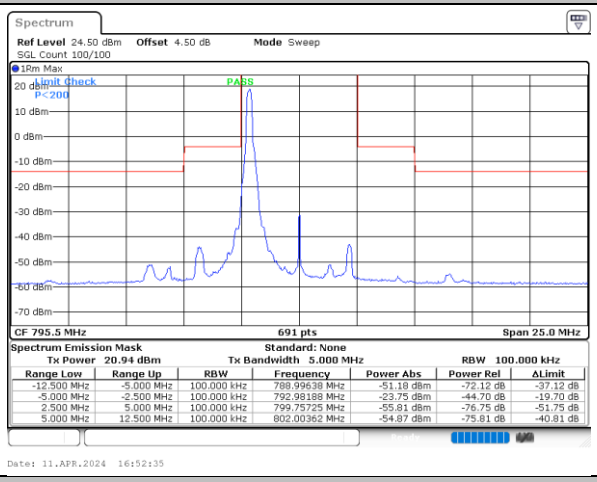


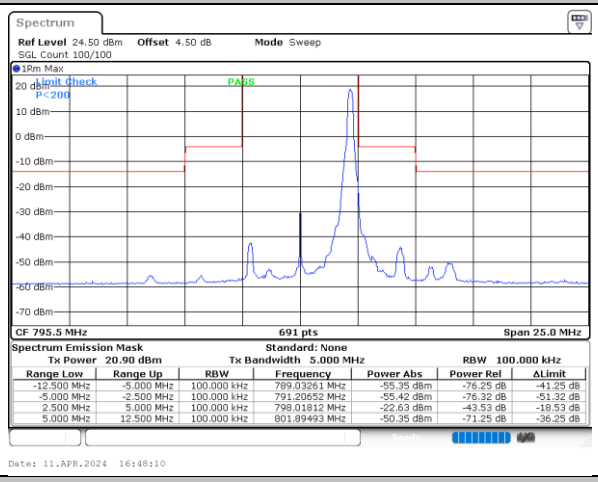
Highest Channel / Full RB



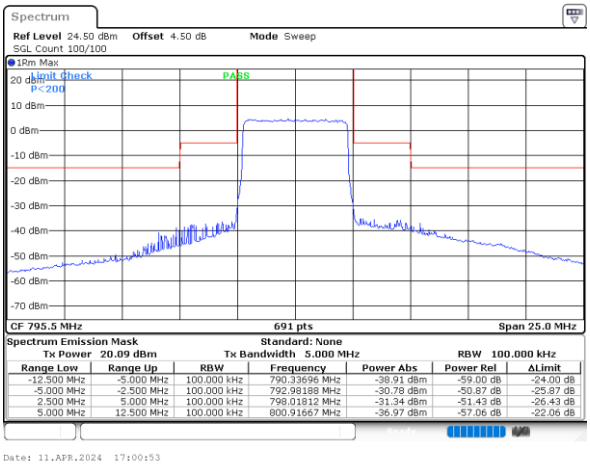
LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB



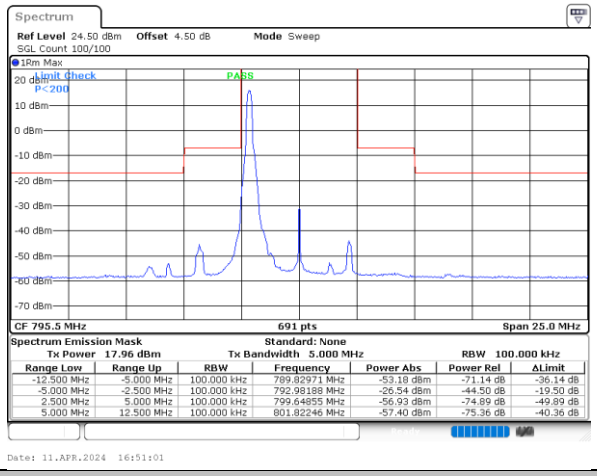


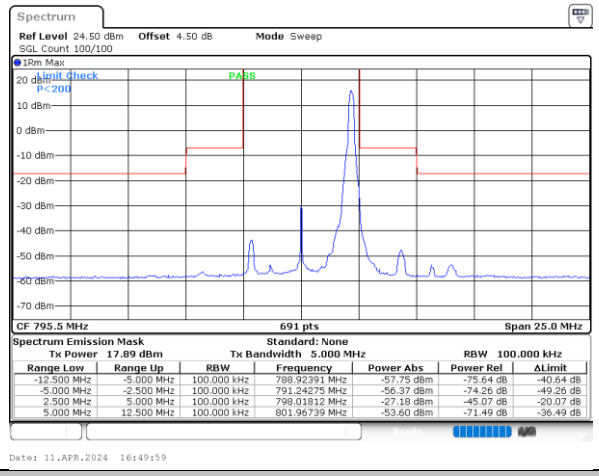
Highest Channel / Full RB



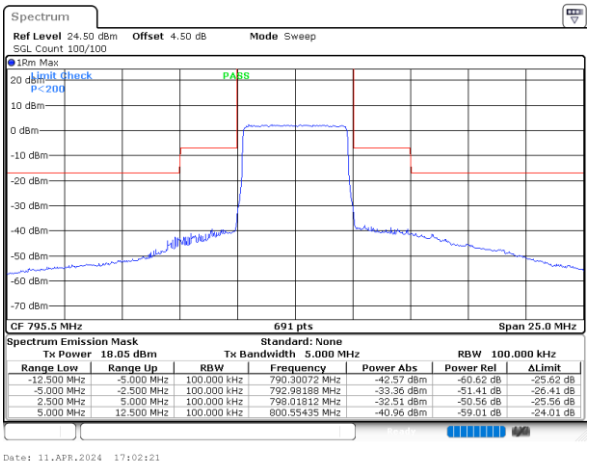
LTE Band 14 / 5MHz / 256QAM

Highest Channel / 1RB



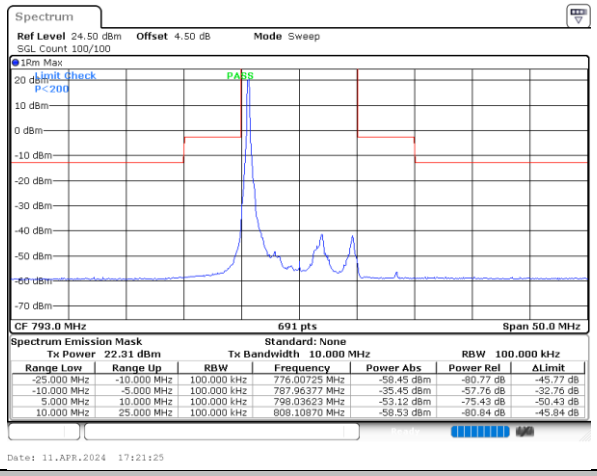


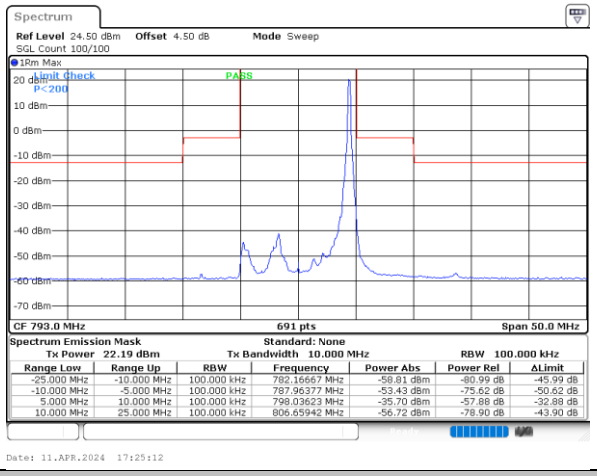
Highest Channel / Full RB



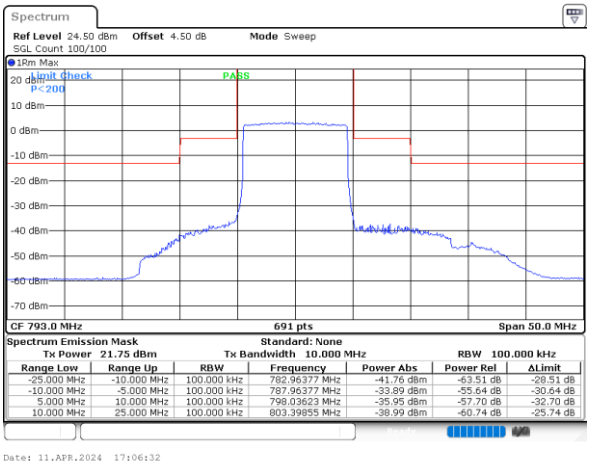
LTE Band 14 / 10MHz / QPSK

Middle Channel / 1RB



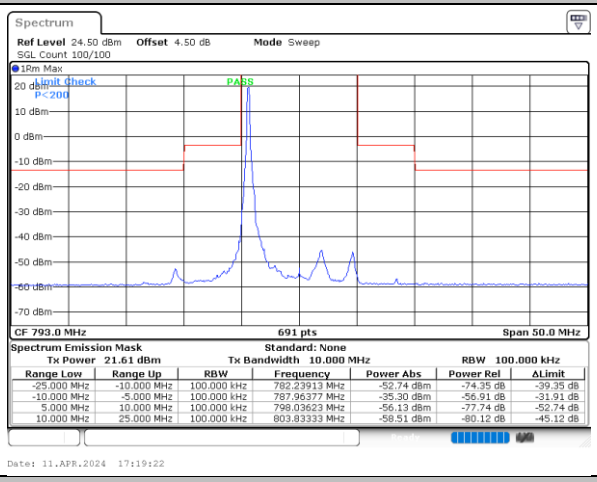


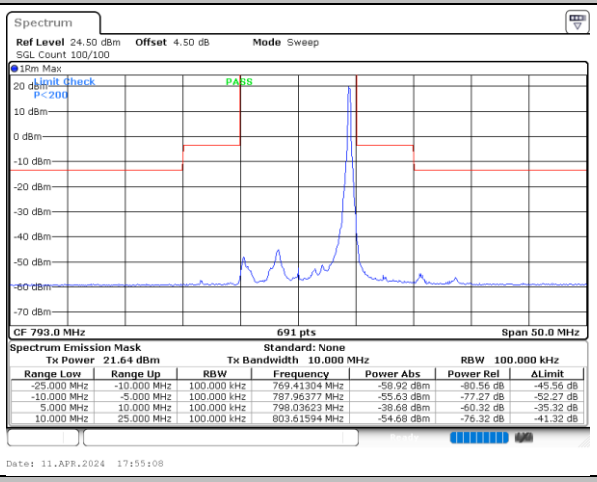
Middle Channel / Full RB



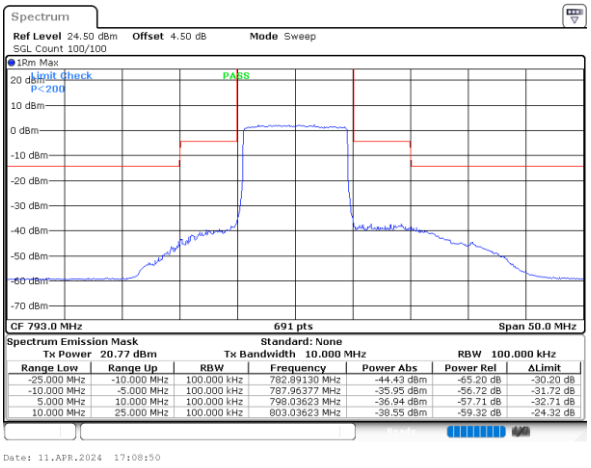
LTE Band 14 / 10MHz / 16QAM

Middle Channel / 1RB



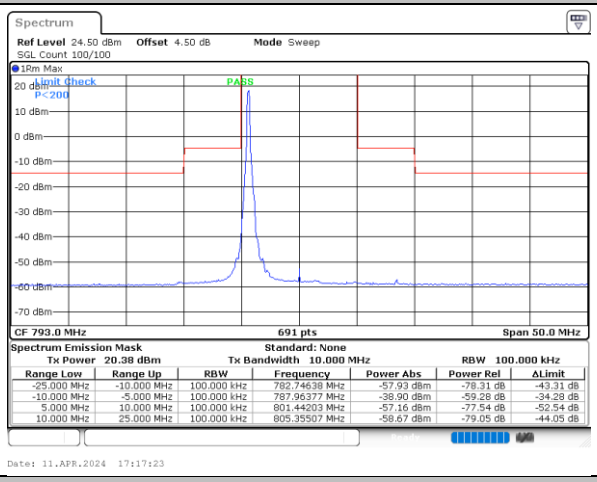


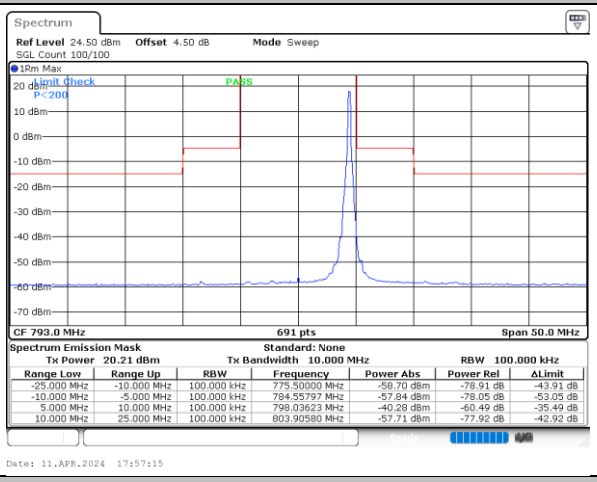
Middle Channel / Full RB



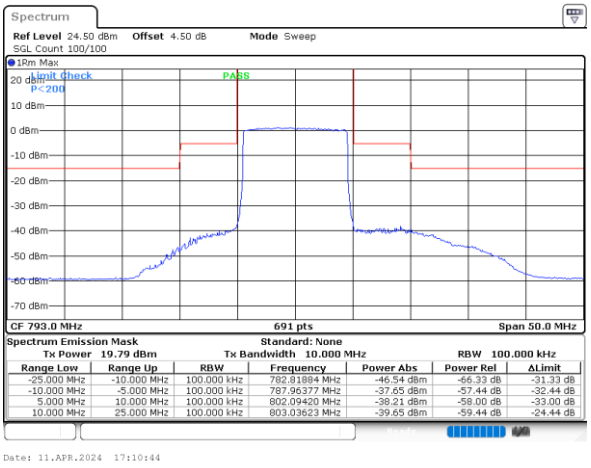
LTE Band 14 / 10MHz / 64QAM

Middle Channel / 1RB



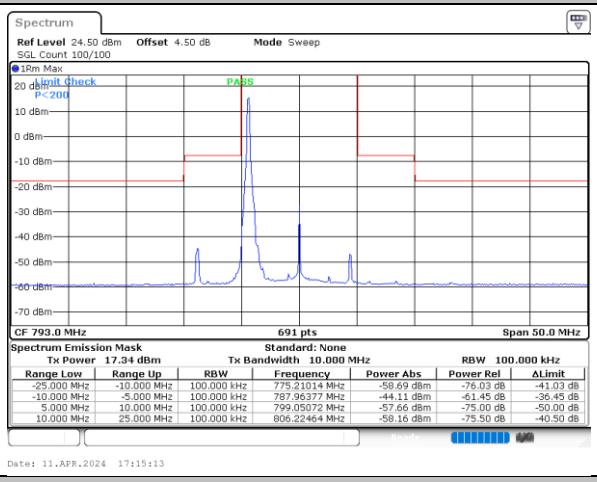


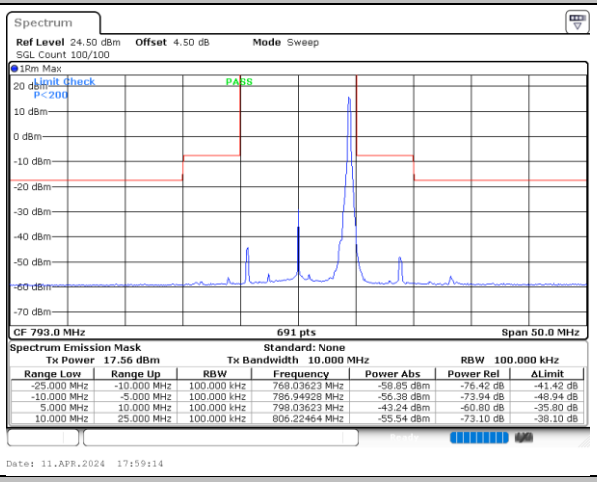
Middle Channel / Full RB



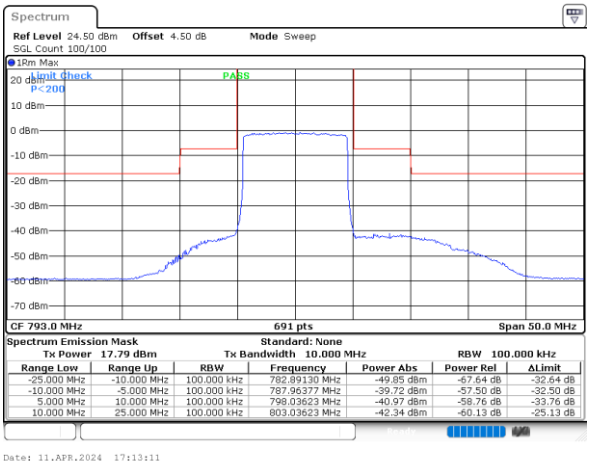
LTE Band 14 / 10MHz / 256QAM

Middle Channel / 1RB





Middle Channel / Full RB



Frequency Stability

Test Conditions		LTE Band 14 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0057	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 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

Field Strength of Spurious Radiated

Test Engineer :	Chris	Temperature :	23~25℃
		Relative Humidity :	41~42%

LTE Band 14 / 5MHz / QPSK Ant.1 / Main PA								
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)
Lowest	1576	-66.86	-42.15	-24.71	-69.49	1.09	5.87	H
	2368	-62.10	-13	-49.10	-64.50	1.37	5.92	H
	3152	-59.79	-13	-46.79	-63.68	1.64	7.68	H
	1576	-66.47	-42.15	-24.32	-69.10	1.09	5.87	V
	2368	-60.15	-13	-47.15	-62.55	1.37	5.92	V
	3152	-60.04	-13	-47.04	-63.93	1.64	7.68	V
Middle	1584	-66.52	-42.15	-24.37	-69.15	1.09	5.87	H
	2376	-61.98	-13	-48.98	-64.38	1.37	5.92	H
	3160	-60.01	-13	-47.01	-63.90	1.64	7.68	H
	1584	-66.06	-42.15	-23.91	-68.69	1.09	5.87	V
	2376	-59.63	-13	-46.63	-62.03	1.37	5.92	V
	3160	-60.18	-13	-47.18	-64.07	1.64	7.68	V
Highest	1584	-67.06	-42.15	-24.91	-69.69	1.09	5.87	H
	2384	-62.37	-13	-49.37	-64.77	1.37	5.92	H
	3176	-60.48	-13	-47.48	-64.37	1.64	7.68	H
	1584	-66.21	-42.15	-24.06	-68.84	1.09	5.87	V
	2384	-60.03	-13	-47.03	-62.43	1.37	5.92	V
	3176	-60.42	-13	-47.42	-64.31	1.64	7.68	V

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

LTE Band 14 / 10MHz / QPSK Ant.1 / Main PA								
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	1576	-66.67	-42.15	-24.52	-69.30	1.09	5.87	H
	2368	-61.89	-13	-48.89	-64.29	1.37	5.92	H
	3152	-59.90	-13	-46.90	-63.79	1.64	7.68	H
	1576	-65.76	-42.15	-23.61	-68.39	1.09	5.87	V
	2368	-60.47	-13	-47.47	-62.87	1.37	5.92	V
	3152	-60.10	-13	-47.10	-63.99	1.64	7.68	V

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

ENDC 14A_n77A / 5MHz / QPSK Ant.1 / other PA								
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)
Lowest	1576	-55.73	-42.15	-13.58	-58.36	1.09	5.87	H
	2368	-51.45	-13	-38.45	-53.85	1.37	5.92	H
	3152	-50.80	-13	-37.80	-54.69	1.64	7.68	H
	1576	-56.92	-42.15	-14.77	-59.55	1.09	5.87	V
	2368	-49.82	-13	-36.82	-52.22	1.37	5.92	V
	3152	-50.01	-13	-37.01	-53.90	1.64	7.68	V
Middle	1584	-56.26	-42.15	-14.11	-58.89	1.09	5.87	H
	2376	-52.04	-13	-39.04	-54.44	1.37	5.92	H
	3160	-50.37	-13	-37.37	-54.26	1.64	7.68	H
	1584	-56.43	-42.15	-14.28	-59.06	1.09	5.87	V
	2376	-50.14	-13	-37.14	-52.54	1.37	5.92	V
	3160	-51.38	-13	-38.38	-55.27	1.64	7.68	V
Highest	1584	-57.82	-42.15	-15.67	-60.45	1.09	5.87	H
	2384	-52.50	-13	-39.50	-54.90	1.37	5.92	H
	3176	-50.69	-13	-37.69	-54.58	1.64	7.68	H
	1584	-56.63	-42.15	-14.48	-59.26	1.09	5.87	V
	2384	-51.25	-13	-38.25	-53.65	1.37	5.92	V
	3176	-50.83	-13	-37.83	-54.72	1.64	7.68	V

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

ENDC 14A_n77A / 10MHz / QPSK Ant.1 / other PA								
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	1576	-57.36	-42.15	-15.21	-59.99	1.09	5.87	H
	2368	-51.72	-13	-38.72	-54.12	1.37	5.92	H
	3152	-51.17	-13	-38.17	-55.06	1.64	7.68	H
	1576	-55.71	-42.15	-13.56	-58.34	1.09	5.87	V
	2368	-48.72	-13	-35.72	-51.12	1.37	5.92	V
	3152	-51.04	-13	-38.04	-54.93	1.64	7.68	V

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