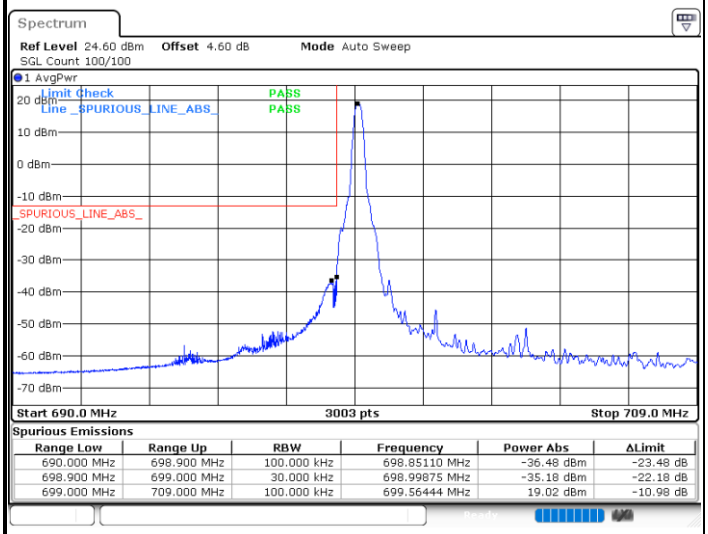
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

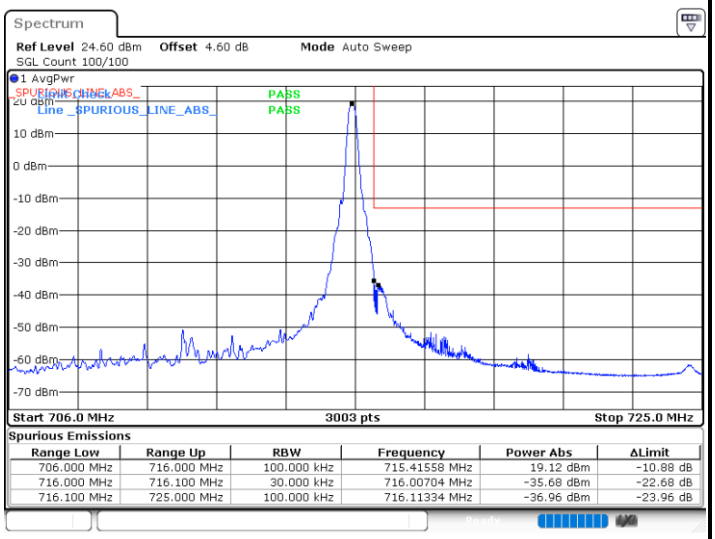


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.85110 MHz	-36.48 dBm	-23.48 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99875 MHz	-35.18 dBm	-22.18 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.56444 MHz	19.02 dBm	-10.98 dB

Date: 29.JUL.2024 22:22:10

Highest Band Edge / 1 RB

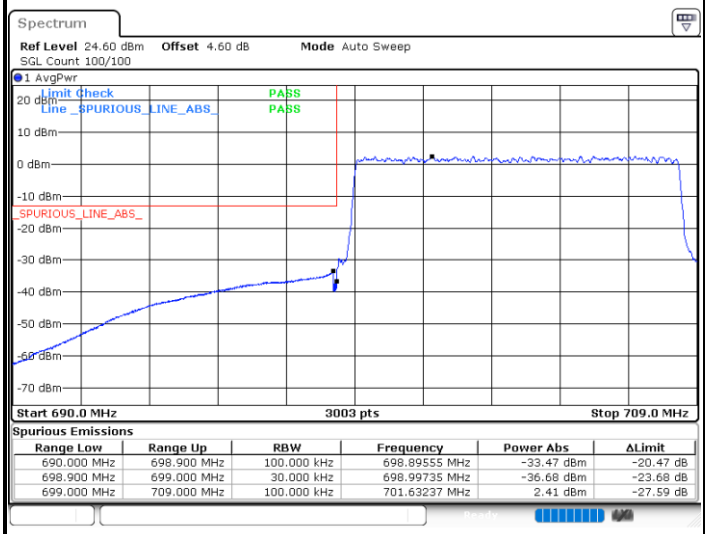


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.41558 MHz	19.12 dBm	-10.88 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00704 MHz	-35.68 dBm	-22.68 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-36.96 dBm	-23.96 dB

Date: 29.JUL.2024 22:37:10

Lowest Band Edge / Full RB

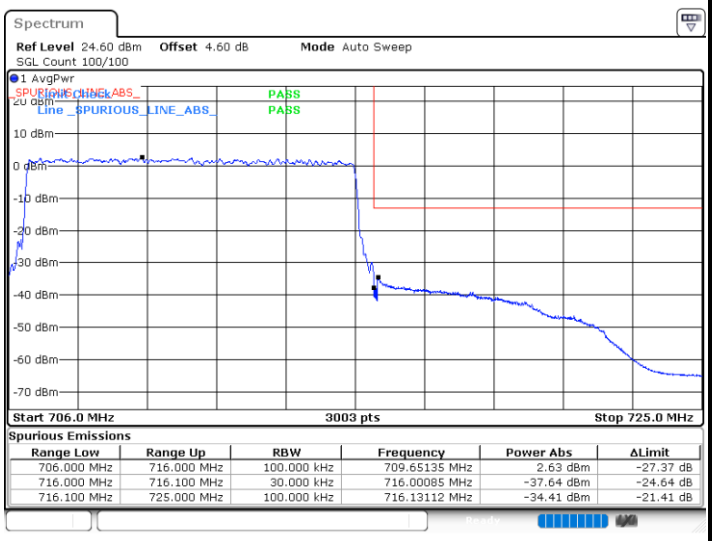


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-33.47 dBm	-20.47 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99735 MHz	-36.68 dBm	-23.68 dB
699.000 MHz	709.000 MHz	100.000 kHz	701.63237 MHz	2.41 dBm	-27.59 dB

Date: 29.JUL.2024 22:31:20

Highest Band Edge / Full RB



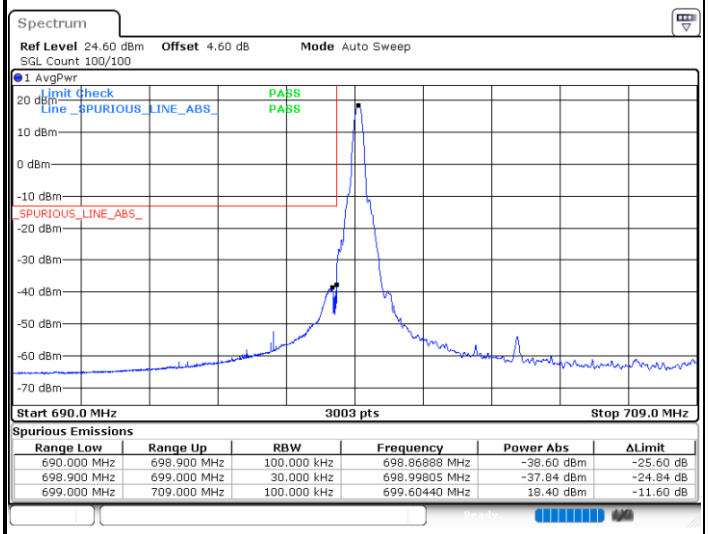
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	709.65135 MHz	2.63 dBm	-27.37 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-37.64 dBm	-24.64 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-34.41 dBm	-21.41 dB

Date: 29.JUL.2024 22:43:33

LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

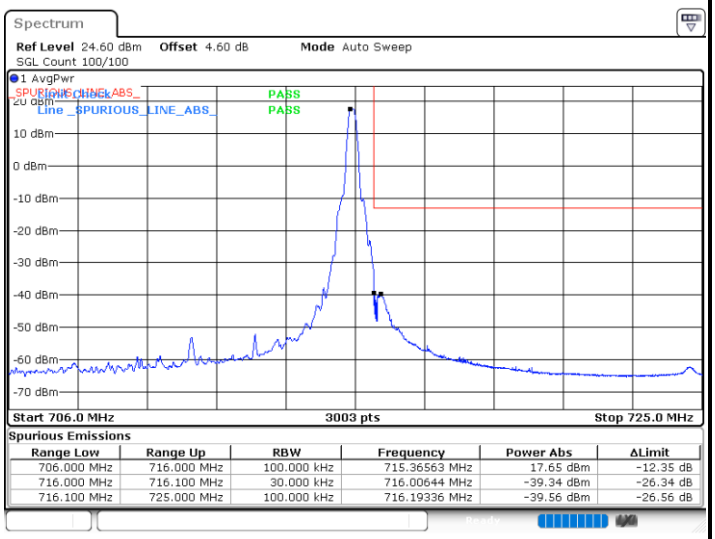


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.86888 MHz	-38.60 dBm	-25.60 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99805 MHz	-37.84 dBm	-24.84 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.60440 MHz	18.40 dBm	-11.60 dB

Date: 29.JUL.2024 22:23:20

Highest Band Edge / 1 RB

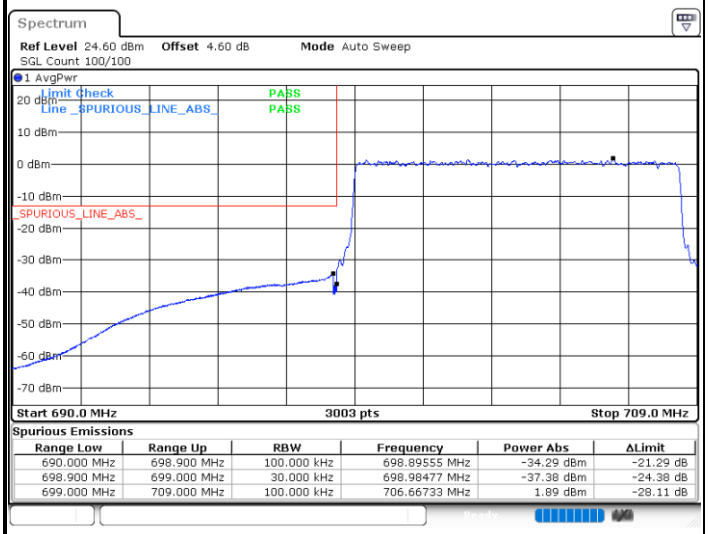


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.36563 MHz	17.65 dBm	-12.35 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00644 MHz	-39.34 dBm	-26.34 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.19336 MHz	-39.56 dBm	-26.56 dB

Date: 29.JUL.2024 22:38:10

Lowest Band Edge / Full RB

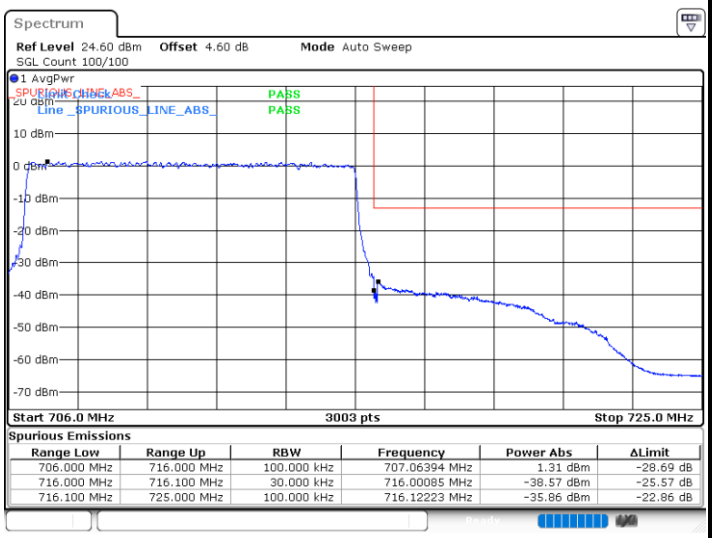


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-34.29 dBm	-21.29 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98477 MHz	-37.38 dBm	-24.38 dB
699.000 MHz	709.000 MHz	100.000 kHz	706.66733 MHz	1.89 dBm	-28.11 dB

Date: 29.JUL.2024 22:30:20

Highest Band Edge / Full RB



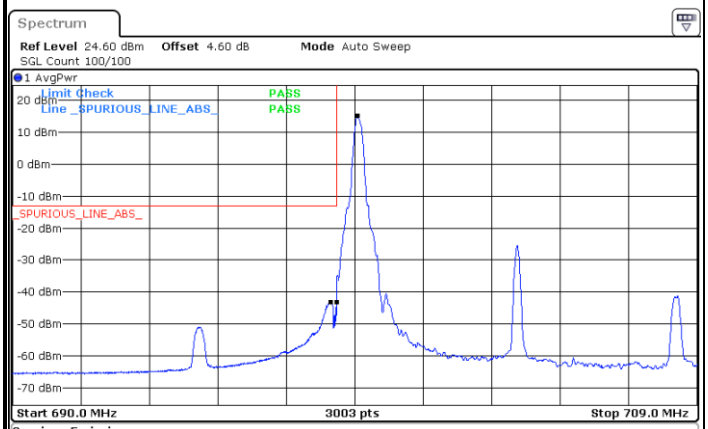
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	707.06394 MHz	1.31 dBm	-28.69 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-38.57 dBm	-25.57 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12223 MHz	-35.86 dBm	-22.86 dB

Date: 29.JUL.2024 22:42:33

LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

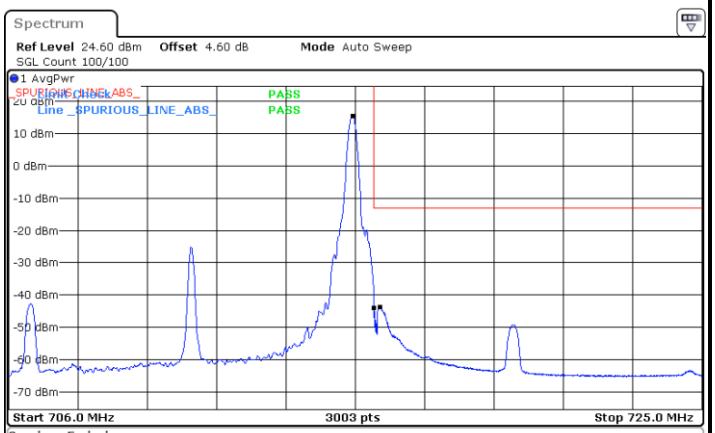


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.81553 MHz	-43.11 dBm	-30.11 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99705 MHz	-43.25 dBm	-30.25 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.57443 MHz	15.04 dBm	-14.96 dB

Date: 29.JUL.2024 22:24:30

Highest Band Edge / 1 RB

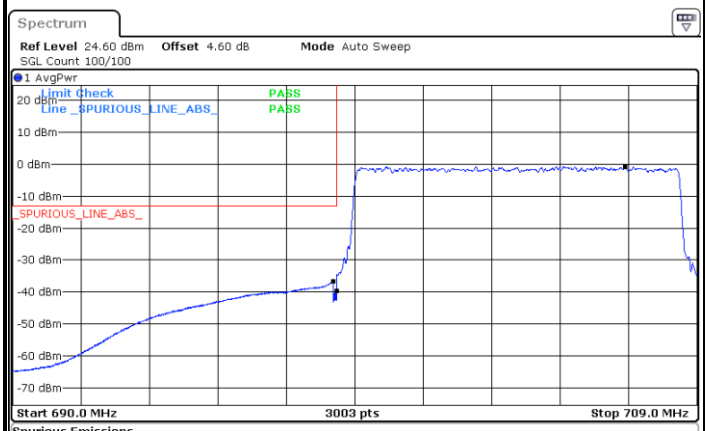


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.42557 MHz	15.29 dBm	-14.71 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00305 MHz	-43.84 dBm	-30.84 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.16668 MHz	-43.64 dBm	-30.64 dB

Date: 29.JUL.2024 22:39:10

Lowest Band Edge / Full RB

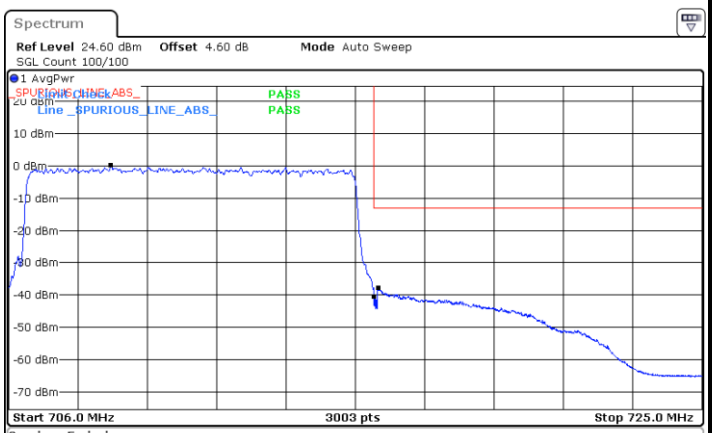


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-36.63 dBm	-23.63 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99765 MHz	-39.51 dBm	-26.51 dB
699.000 MHz	709.000 MHz	100.000 kHz	707.00699 MHz	-0.80 dBm	-30.80 dB

Date: 29.JUL.2024 22:29:17

Highest Band Edge / Full RB



Spurious Emissions

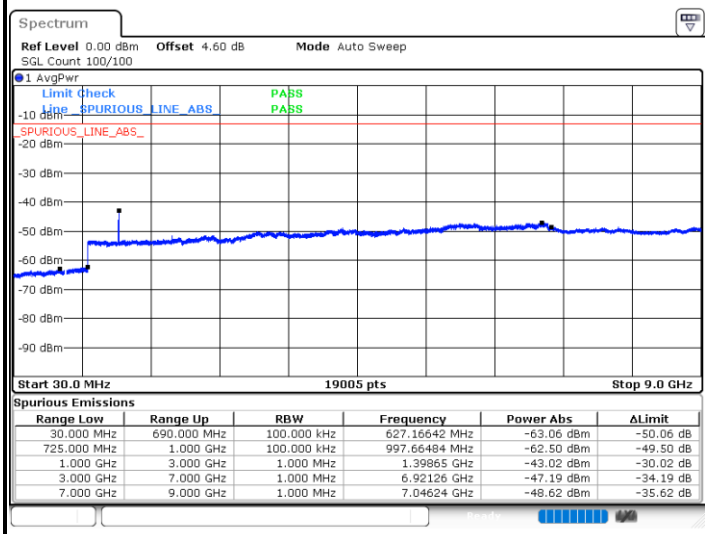
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	708.80220 MHz	0.12 dBm	-29.88 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01543 MHz	-40.42 dBm	-27.42 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-37.81 dBm	-24.81 dB

Date: 29.JUL.2024 22:41:33

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

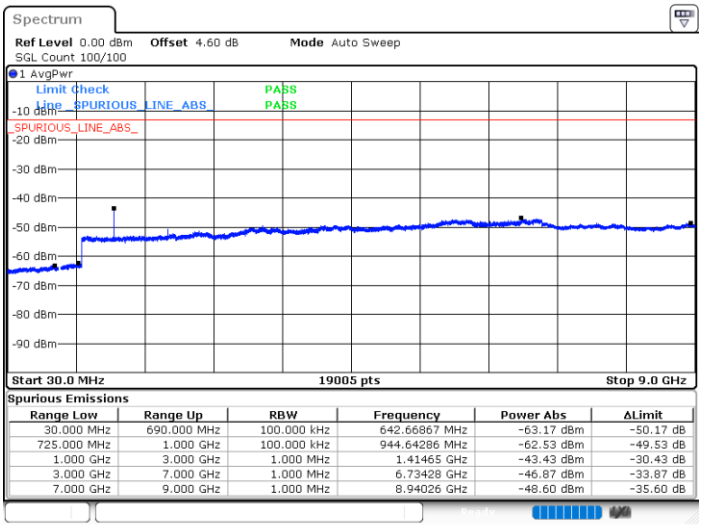


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	627.16642 MHz	-63.06 dBm	-50.06 dB
725.000 MHz	1.000 GHz	100.000 kHz	997.66484 MHz	-62.50 dBm	-49.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.02 dBm	-30.02 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92126 GHz	-47.19 dBm	-34.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04624 GHz	-48.62 dBm	-35.62 dB

Date: 29.JUL.2024 21:01:14

Middle Channel / QPSK

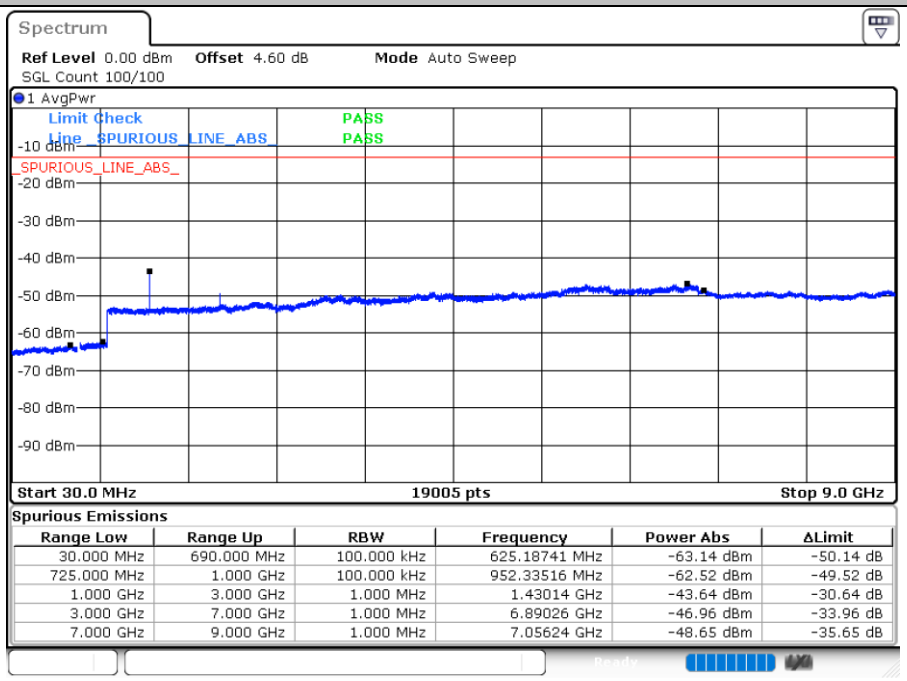


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	642.66867 MHz	-63.17 dBm	-50.17 dB
725.000 MHz	1.000 GHz	100.000 kHz	944.64286 MHz	-62.53 dBm	-49.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41465 GHz	-43.43 dBm	-30.43 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.73428 GHz	-46.87 dBm	-33.87 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94026 GHz	-48.60 dBm	-35.60 dB

Date: 29.JUL.2024 21:13:22

Highest Channel / QPSK



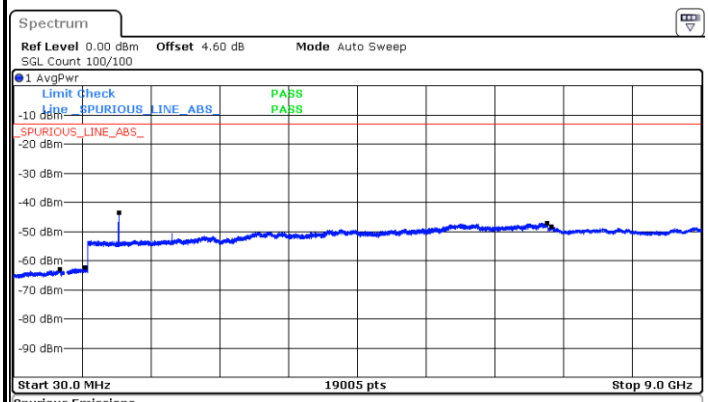
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	625.18741 MHz	-63.14 dBm	-50.14 dB
725.000 MHz	1.000 GHz	100.000 kHz	952.33516 MHz	-62.52 dBm	-49.52 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-43.64 dBm	-30.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89026 GHz	-46.96 dBm	-33.96 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05624 GHz	-48.65 dBm	-35.65 dB

Date: 29.JUL.2024 21:14:47

LTE Band 12 / 3MHz

Lowest Channel / QPSK

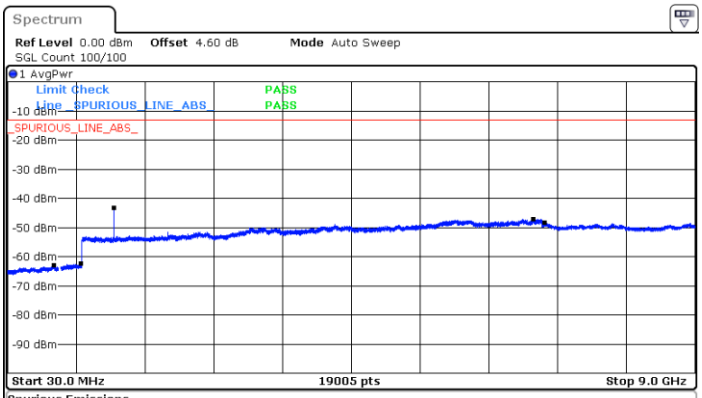


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	628.81559 MHz	-63.07 dBm	-50.07 dB
725.000 MHz	1.000 GHz	100.000 kHz	957.28022 MHz	-62.50 dBm	-49.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.61 dBm	-30.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-47.15 dBm	-34.15 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04324 GHz	-48.39 dBm	-35.39 dB

Date: 29.JUL.2024 21:26:56

Middle Channel / QPSK

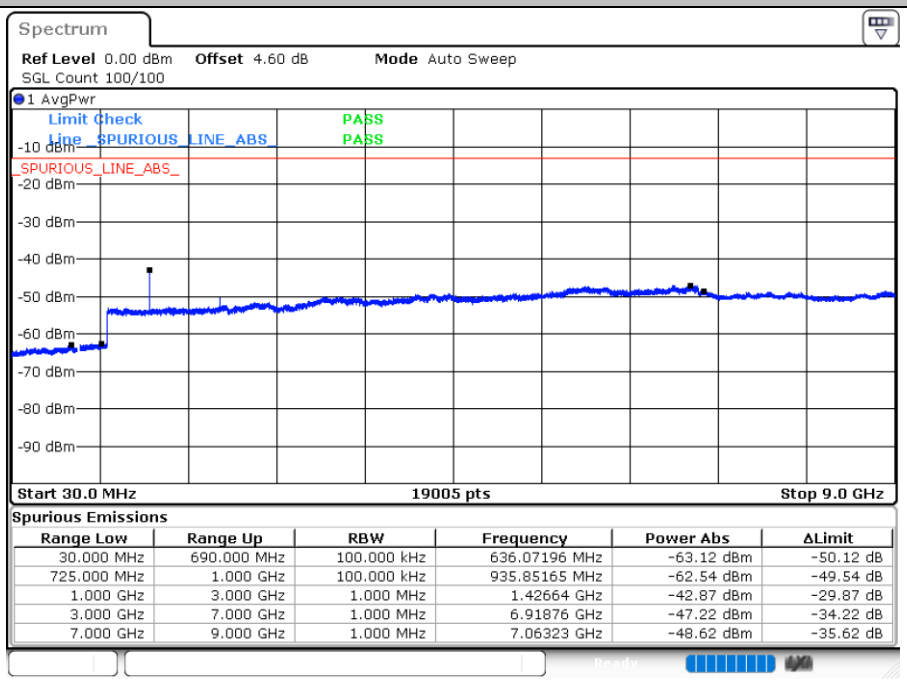


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	634.09295 MHz	-63.03 dBm	-50.03 dB
725.000 MHz	1.000 GHz	100.000 kHz	983.10440 MHz	-62.49 dBm	-49.49 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-43.18 dBm	-30.18 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89026 GHz	-47.24 dBm	-34.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.03524 GHz	-48.43 dBm	-35.43 dB

Date: 29.JUL.2024 21:39:40

Highest Channel / QPSK



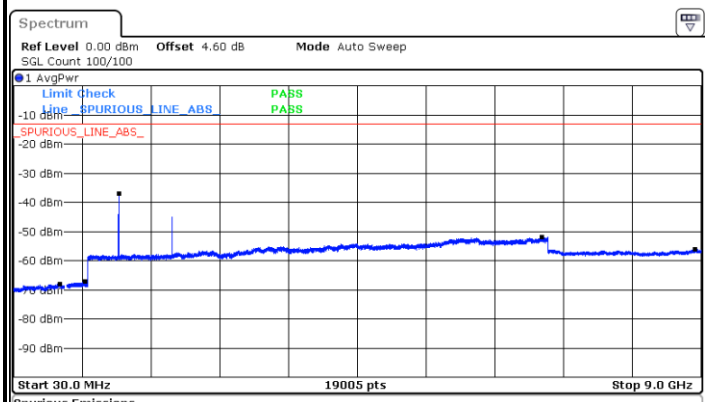
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	636.07196 MHz	-63.12 dBm	-50.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	935.85165 MHz	-62.54 dBm	-49.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-42.87 dBm	-29.87 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91876 GHz	-47.22 dBm	-34.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.06323 GHz	-48.62 dBm	-35.62 dB

Date: 29.JUL.2024 21:41:05

LTE Band 12 / 5MHz

Lowest Channel / QPSK

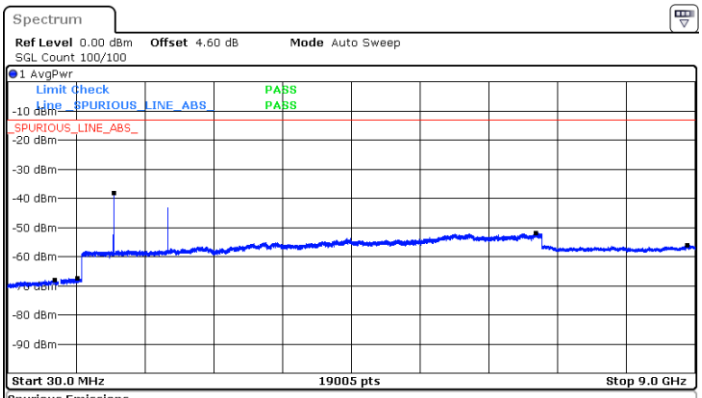


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	633.10345 MHz	-67.98 dBm	-54.98 dB
725.000 MHz	1.000 GHz	100.000 kHz	961.95055 MHz	-67.26 dBm	-54.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-37.12 dBm	-24.12 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92676 GHz	-51.94 dBm	-38.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91577 GHz	-56.24 dBm	-43.24 dB

Date: 29.JUL.2024 21:54:29

Middle Channel / QPSK

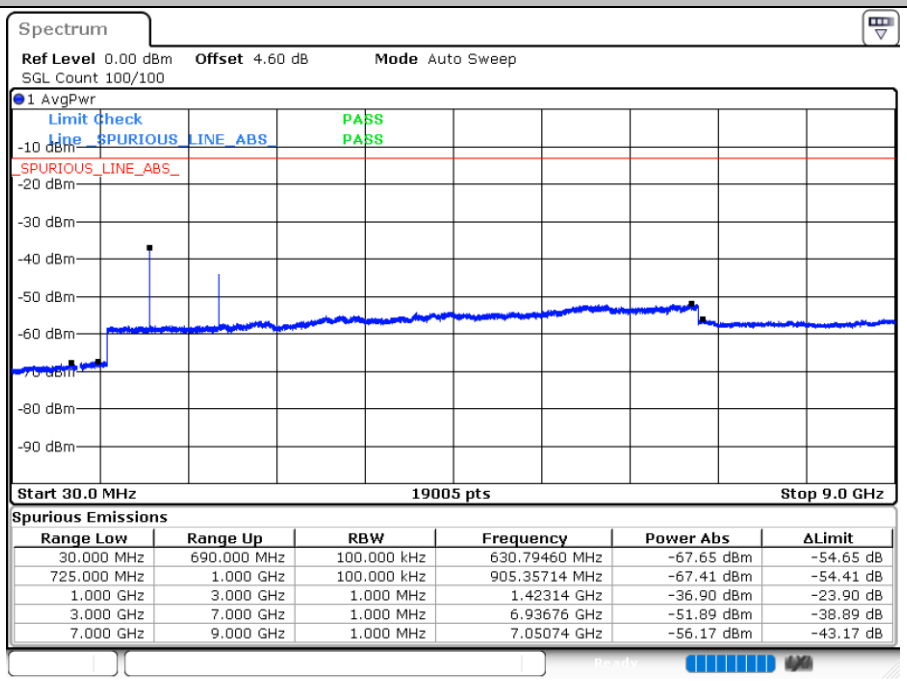


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	643.65817 MHz	-68.08 dBm	-55.08 dB
725.000 MHz	1.000 GHz	100.000 kHz	943.81868 MHz	-67.44 dBm	-54.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-38.35 dBm	-25.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92426 GHz	-52.01 dBm	-39.01 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89428 GHz	-56.15 dBm	-43.15 dB

Date: 29.JUL.2024 22:05:55

Highest Channel / QPSK



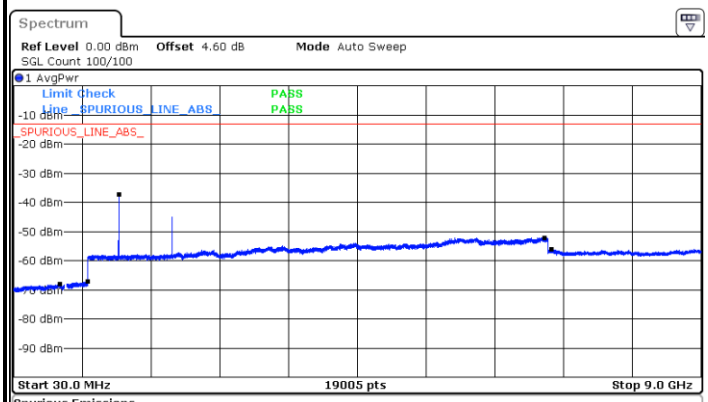
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	630.79460 MHz	-67.65 dBm	-54.65 dB
725.000 MHz	1.000 GHz	100.000 kHz	905.35714 MHz	-67.41 dBm	-54.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-36.90 dBm	-23.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93676 GHz	-51.89 dBm	-38.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.05074 GHz	-56.17 dBm	-43.17 dB

Date: 29.JUL.2024 22:07:20

LTE Band 12 / 10MHz

Lowest Channel / QPSK

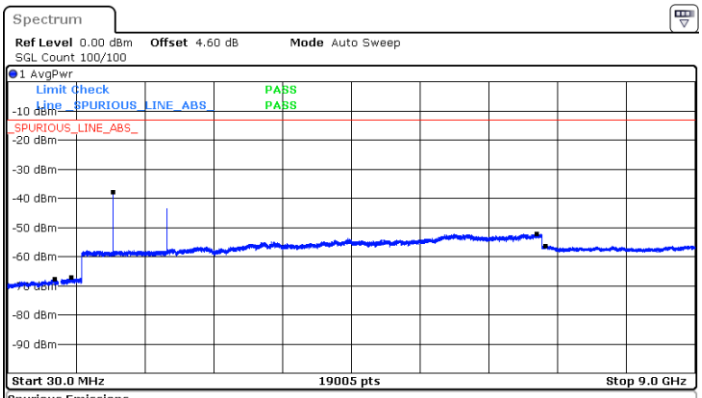


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	629.80510 MHz	-68.03 dBm	-55.03 dB
725.000 MHz	1.000 GHz	100.000 kHz	999.03846 MHz	-67.23 dBm	-54.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-37.35 dBm	-24.35 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95826 GHz	-52.12 dBm	-39.12 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04474 GHz	-56.06 dBm	-43.06 dB

Date: 29.JUL.2024 22:19:50

Middle Channel / QPSK

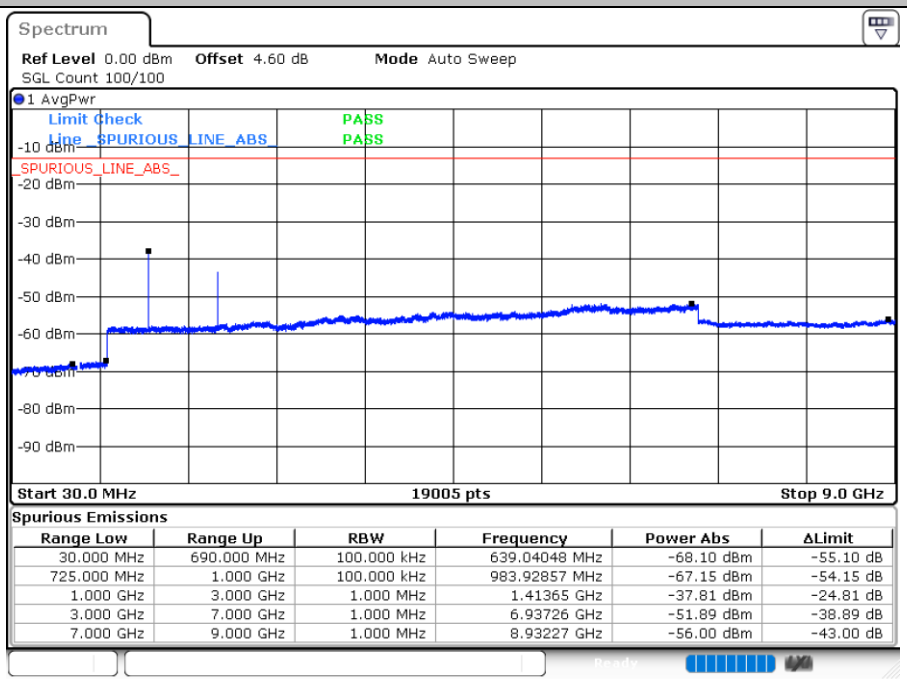


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	642.99850 MHz	-67.87 dBm	-54.87 dB
725.000 MHz	1.000 GHz	100.000 kHz	853.98352 MHz	-67.25 dBm	-54.25 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-37.88 dBm	-24.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93676 GHz	-52.16 dBm	-39.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04624 GHz	-56.28 dBm	-43.28 dB

Date: 29.JUL.2024 22:33:45

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	639.04048 MHz	-68.10 dBm	-55.10 dB
725.000 MHz	1.000 GHz	100.000 kHz	983.92857 MHz	-67.15 dBm	-54.15 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-37.81 dBm	-24.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93726 GHz	-51.89 dBm	-38.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.93227 GHz	-56.00 dBm	-43.00 dB

Date: 29.JUL.2024 22:35:10

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0048	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0057	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0069	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0042	

Note:

1. Normal Voltage =3.91 V. ; Minimum Voltage =3.4 V. ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

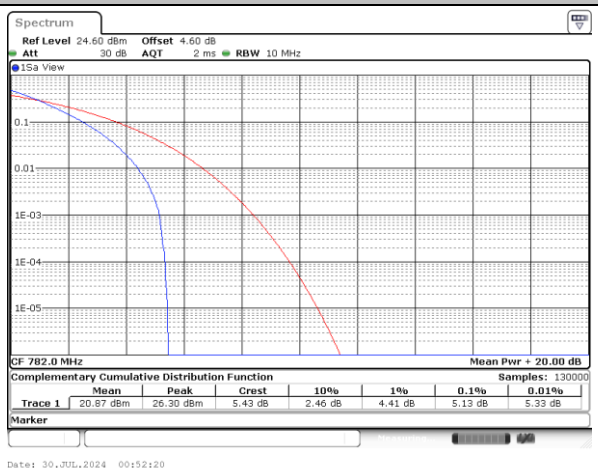
LTE Band 13

Peak-to-Average Ratio

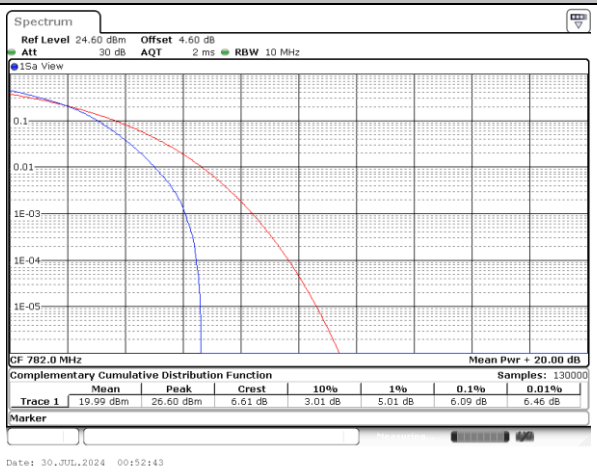
Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.13	6.09	6.49	6.72	PASS

LTE Band 13 / 10MHz

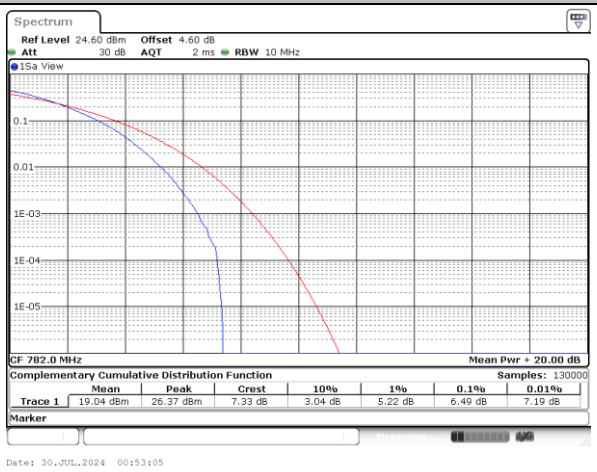
Middle Channel / Full RB/ QPSK



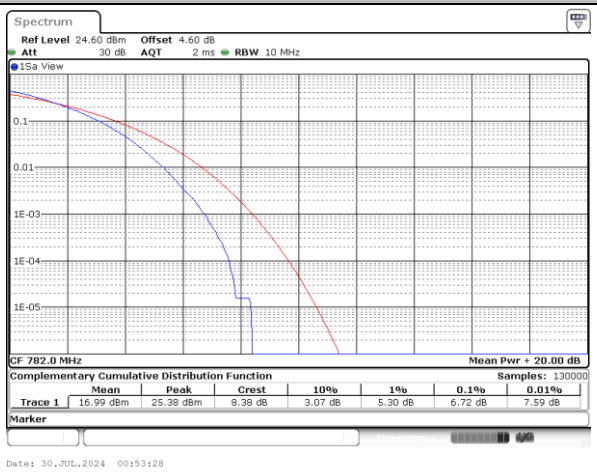
Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM



Middle Channel / Full RB/ 256QAM

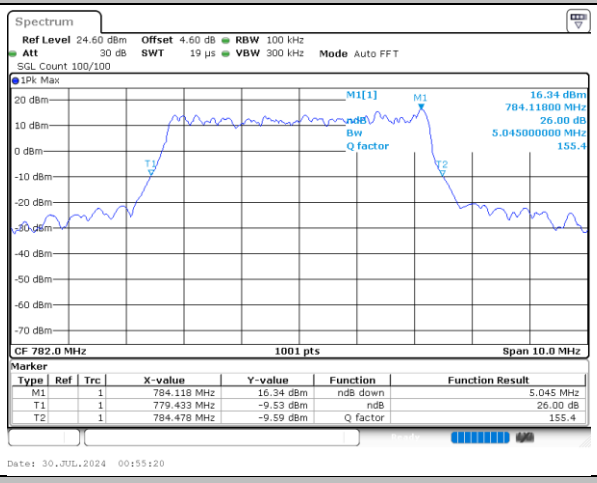


26dB Bandwidth

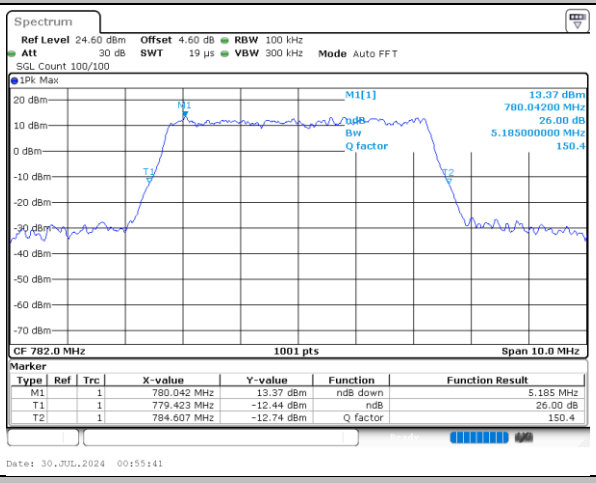
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.05	5.19
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.83	10.07

LTE Band 13

Middle Channel / 5MHz / QPSK

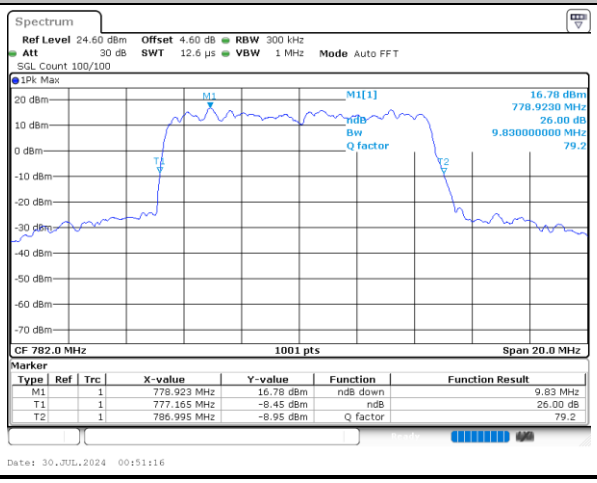


Middle Channel / 5MHz / 16QAM

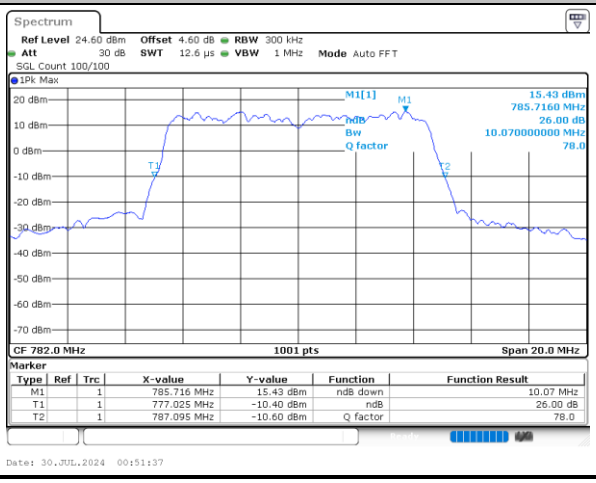


LTE Band 13

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

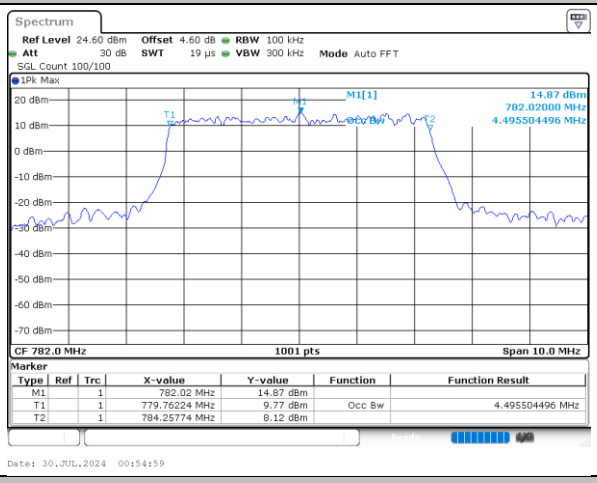


Occupied Bandwidth

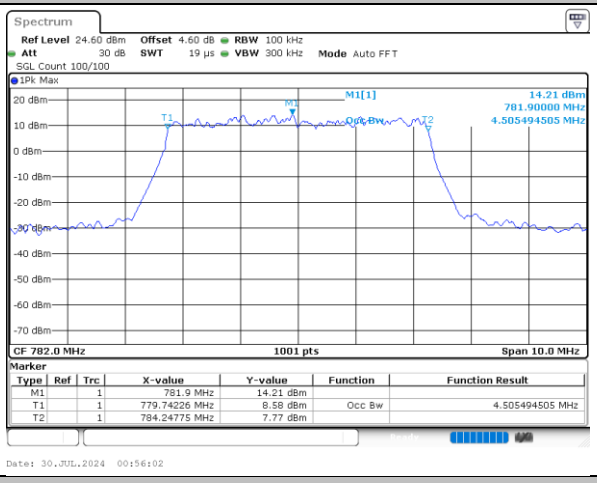
Mode	LTE Band 13 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.51
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	8.97

LTE Band 13

Middle Channel / 5MHz / QPSK

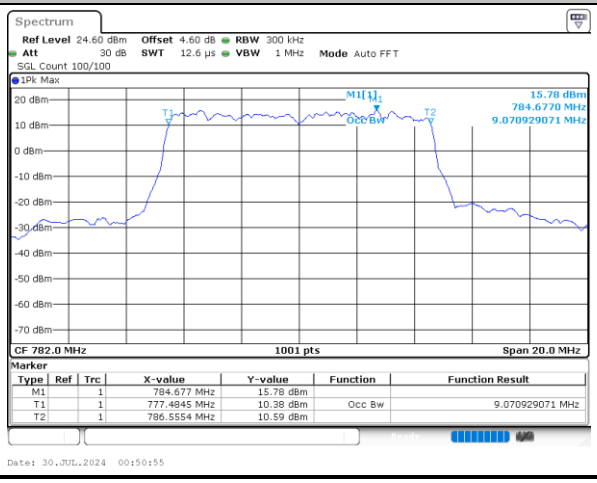


Middle Channel / 5MHz / 16QAM

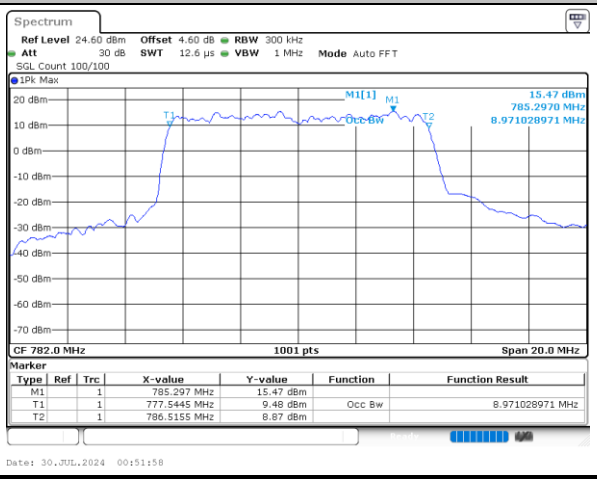


LTE Band 13

Middle Channel / 10MHz / QPSK



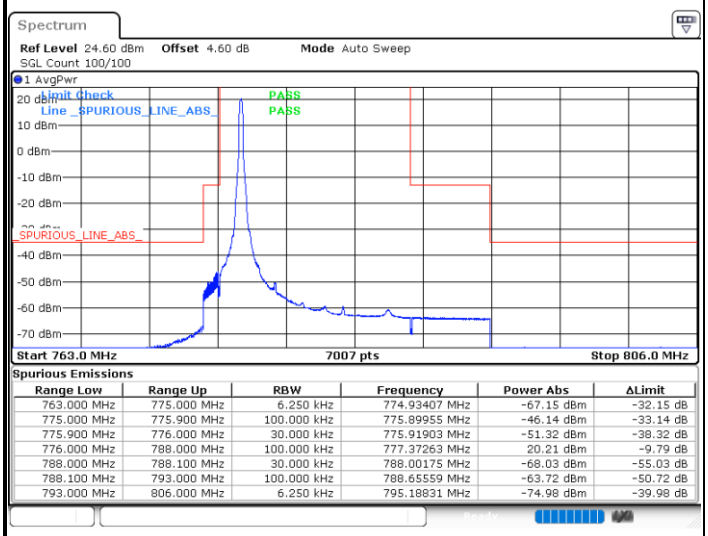
Middle Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB

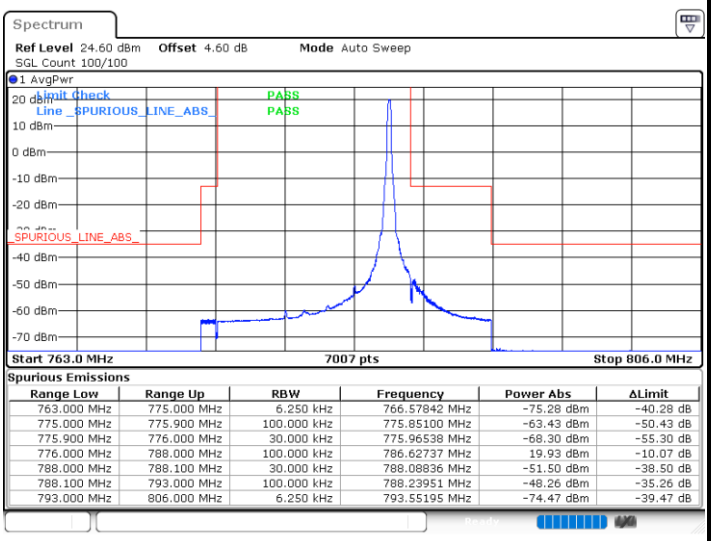


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.93407 MHz	-67.15 dBm	-32.15 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89955 MHz	-46.14 dBm	-33.14 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91903 MHz	-51.32 dBm	-38.32 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.37263 MHz	20.21 dBm	-9.79 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00175 MHz	-68.03 dBm	-55.03 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.65559 MHz	-63.72 dBm	-50.72 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.18831 MHz	-74.98 dBm	-39.98 dB

Date: 29.JUL.2024 23:20:10

Highest Band Edge / 1 RB

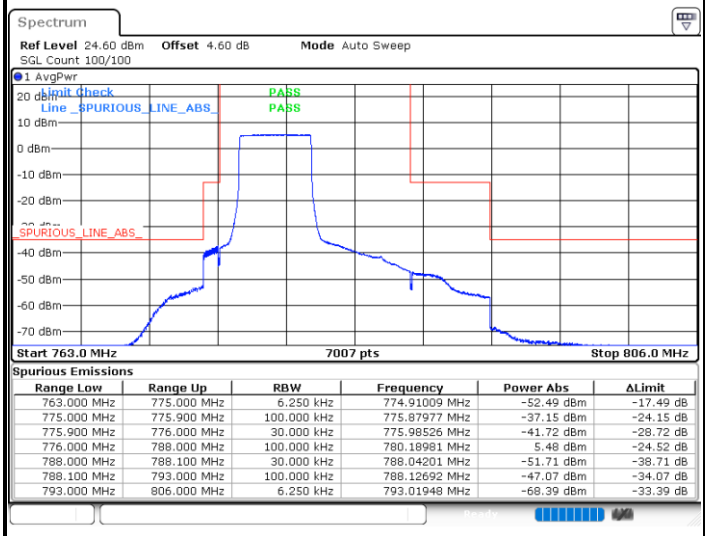


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	766.57842 MHz	-75.28 dBm	-40.28 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.85100 MHz	-63.43 dBm	-50.43 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96538 MHz	-68.30 dBm	-55.30 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.62737 MHz	19.93 dBm	-10.07 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08836 MHz	-51.50 dBm	-38.50 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.23951 MHz	-48.26 dBm	-35.26 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.55195 MHz	-74.47 dBm	-39.47 dB

Date: 29.JUL.2024 23:39:53

Lowest Band Edge / Full RB

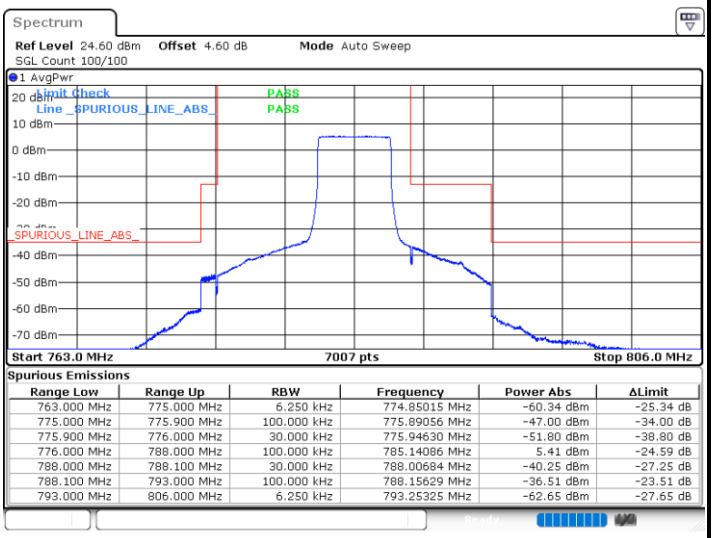


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.91009 MHz	-52.49 dBm	-17.49 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.87977 MHz	-37.15 dBm	-24.15 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98526 MHz	-41.72 dBm	-28.72 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.18981 MHz	5.48 dBm	-24.52 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04201 MHz	-51.71 dBm	-38.71 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12692 MHz	-47.07 dBm	-34.07 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.01948 MHz	-68.39 dBm	-33.39 dB

Date: 29.JUL.2024 23:27:57

Highest Band Edge / Full RB



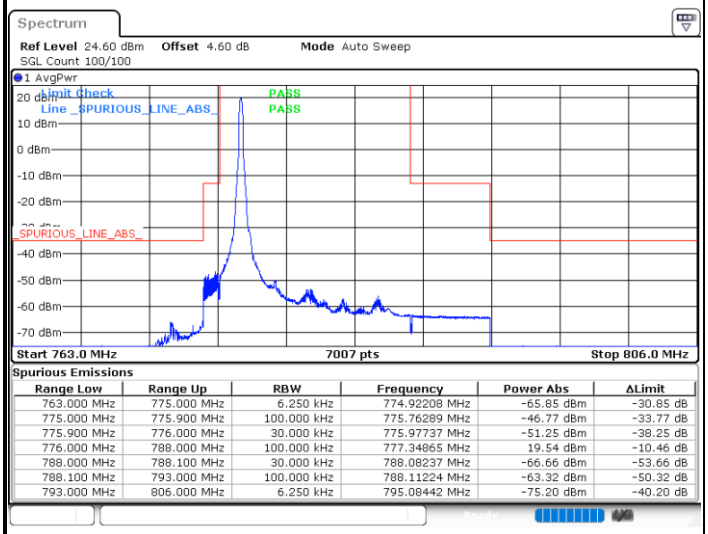
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.85015 MHz	-60.34 dBm	-25.34 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.89056 MHz	-47.00 dBm	-34.00 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94630 MHz	-51.80 dBm	-38.80 dB
776.000 MHz	788.000 MHz	100.000 kHz	785.14086 MHz	5.41 dBm	-24.59 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00684 MHz	-40.25 dBm	-27.25 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.15629 MHz	-36.51 dBm	-23.51 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.25325 MHz	-62.65 dBm	-27.65 dB

Date: 29.JUL.2024 23:47:16

LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

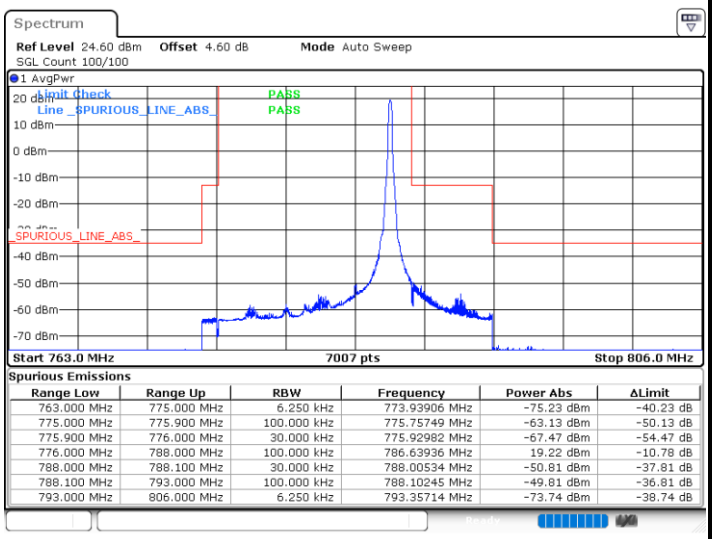


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.92208 MHz	-65.85 dBm	-30.85 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.76289 MHz	-46.77 dBm	-33.77 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97737 MHz	-51.25 dBm	-38.25 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.34865 MHz	19.54 dBm	-10.46 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08237 MHz	-66.66 dBm	-53.66 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-63.32 dBm	-50.32 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.08442 MHz	-75.20 dBm	-40.20 dB

Date: 29.JUL.2024 23:22:01

Highest Band Edge / 1 RB

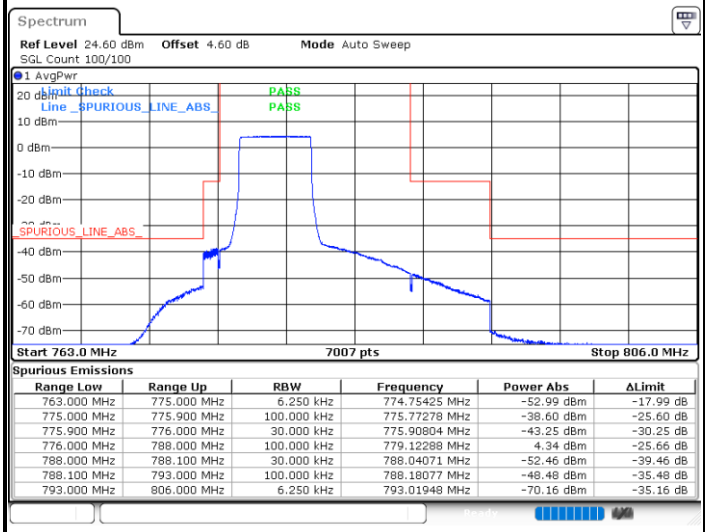


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.93906 MHz	-75.23 dBm	-40.23 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.75749 MHz	-63.13 dBm	-50.13 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92982 MHz	-67.47 dBm	-54.47 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.63936 MHz	19.22 dBm	-10.78 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00534 MHz	-50.81 dBm	-37.81 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-49.81 dBm	-36.81 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.35714 MHz	-73.74 dBm	-38.74 dB

Date: 29.JUL.2024 23:41:43

Lowest Band Edge / Full RB

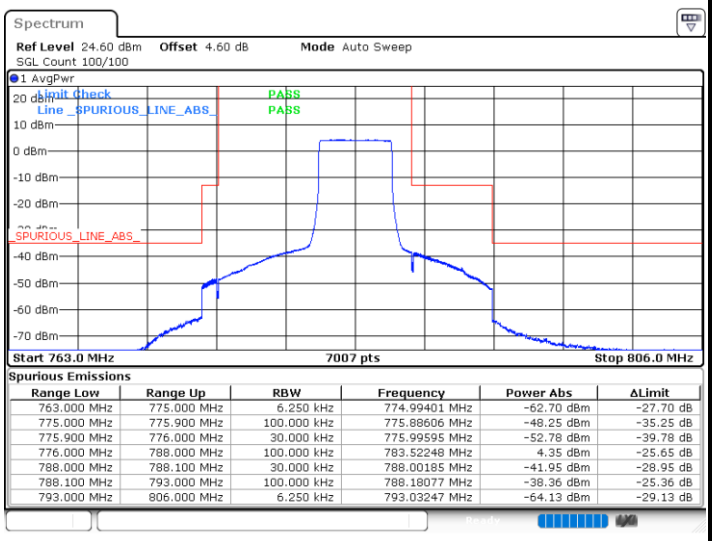


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.75425 MHz	-52.99 dBm	-17.99 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.77278 MHz	-38.60 dBm	-25.60 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.90804 MHz	-43.25 dBm	-30.25 dB
776.000 MHz	788.000 MHz	100.000 kHz	779.12288 MHz	4.34 dBm	-25.66 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04071 MHz	-52.46 dBm	-39.46 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18077 MHz	-48.48 dBm	-35.48 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.01948 MHz	-70.16 dBm	-35.16 dB

Date: 29.JUL.2024 23:29:47

Highest Band Edge / Full RB



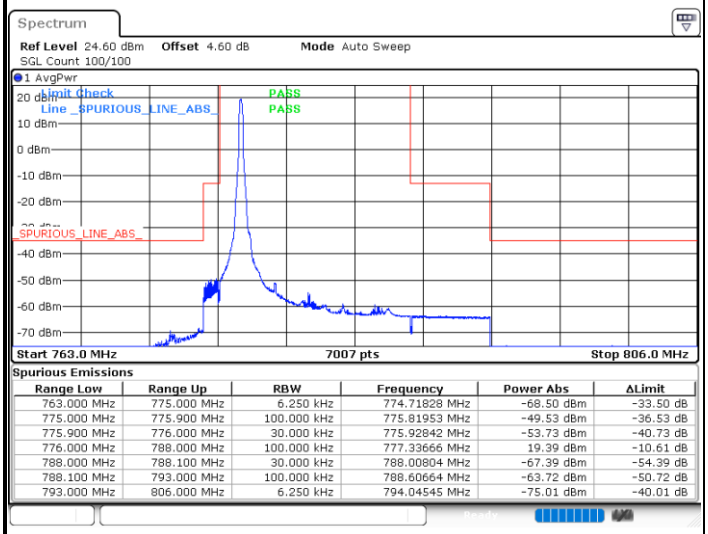
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-62.70 dBm	-27.70 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88606 MHz	-48.25 dBm	-35.25 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99595 MHz	-52.78 dBm	-39.78 dB
776.000 MHz	788.000 MHz	100.000 kHz	783.52248 MHz	4.35 dBm	-25.65 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00185 MHz	-41.95 dBm	-28.95 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.18077 MHz	-38.36 dBm	-25.36 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-64.13 dBm	-29.13 dB

Date: 29.JUL.2024 23:49:07

LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB

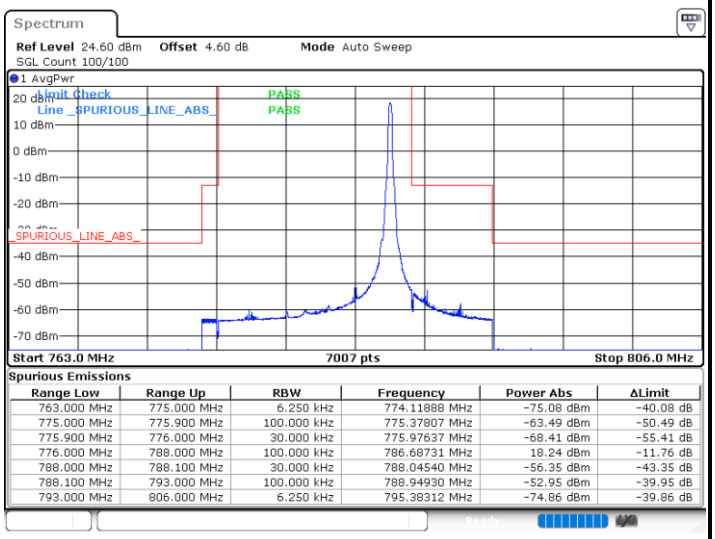


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.71828 MHz	-68.50 dBm	-33.50 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.81953 MHz	-49.53 dBm	-36.53 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.92842 MHz	-53.73 dBm	-40.73 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.33666 MHz	19.39 dBm	-10.61 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00804 MHz	-67.39 dBm	-54.39 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.60664 MHz	-63.72 dBm	-50.72 dB
793.000 MHz	806.000 MHz	6.250 kHz	794.04545 MHz	-75.01 dBm	-40.01 dB

Date: 29.JUL.2024 23:23:51

Highest Band Edge / 1 RB

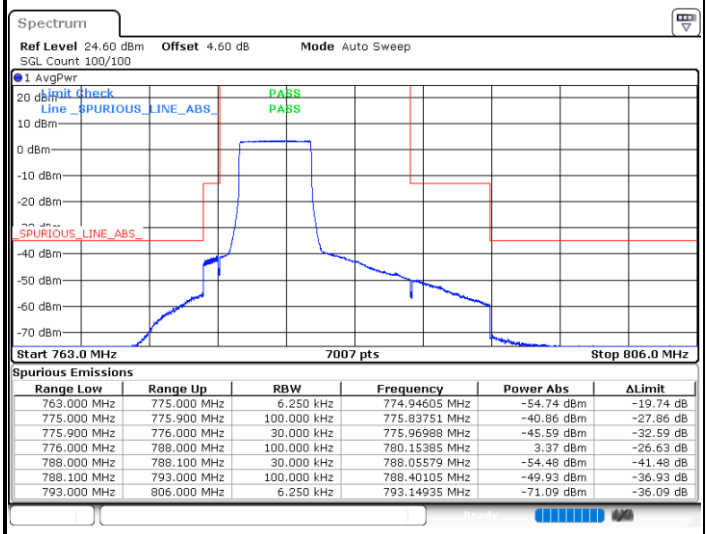


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.11888 MHz	-75.08 dBm	-40.08 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.37807 MHz	-63.49 dBm	-50.49 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97637 MHz	-68.41 dBm	-55.41 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.68731 MHz	18.24 dBm	-11.76 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04540 MHz	-56.35 dBm	-43.35 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.94930 MHz	-52.95 dBm	-39.95 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.38312 MHz	-74.86 dBm	-39.86 dB

Date: 29.JUL.2024 23:43:33

Lowest Band Edge / Full RB

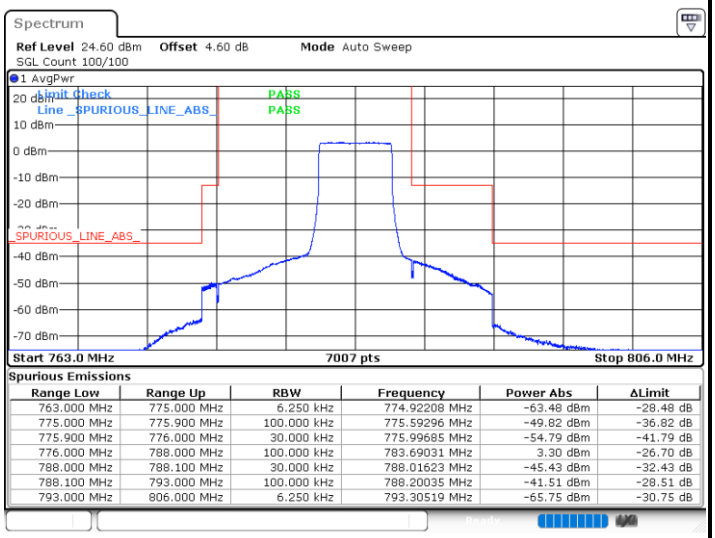


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.94605 MHz	-54.74 dBm	-19.74 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.83751 MHz	-40.86 dBm	-27.86 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96988 MHz	-45.59 dBm	-32.59 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.15385 MHz	3.37 dBm	-26.63 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05579 MHz	-54.48 dBm	-41.48 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.40105 MHz	-49.93 dBm	-36.93 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.14935 MHz	-71.09 dBm	-36.09 dB

Date: 29.JUL.2024 23:31:37

Highest Band Edge / Full RB



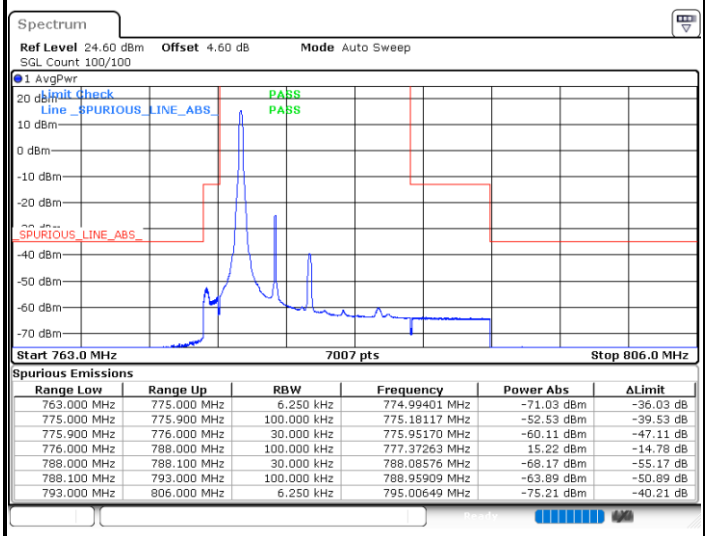
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.92208 MHz	-63.48 dBm	-28.48 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.59296 MHz	-49.82 dBm	-36.82 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99685 MHz	-54.79 dBm	-41.79 dB
776.000 MHz	788.000 MHz	100.000 kHz	783.69031 MHz	3.30 dBm	-26.70 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01623 MHz	-45.43 dBm	-32.43 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.20035 MHz	-41.51 dBm	-28.51 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.30519 MHz	-65.75 dBm	-30.75 dB

Date: 29.JUL.2024 23:50:57

LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB

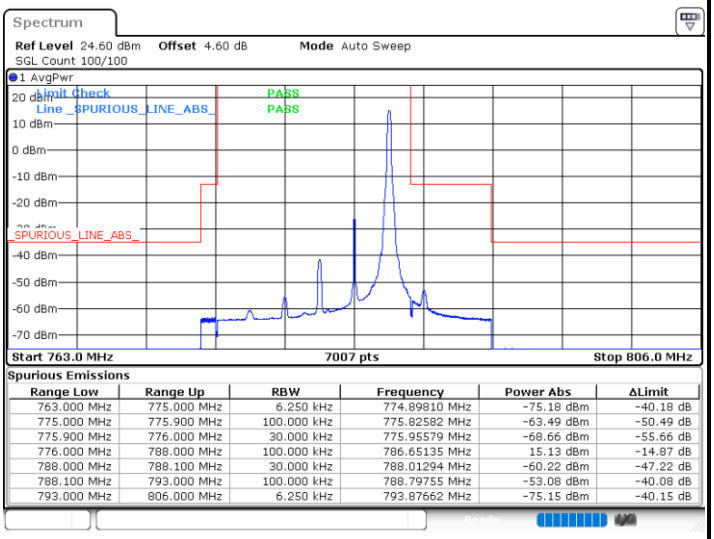


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-71.03 dBm	-36.03 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.18117 MHz	-52.53 dBm	-39.53 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95170 MHz	-60.11 dBm	-47.11 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.37263 MHz	15.22 dBm	-14.78 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08576 MHz	-68.17 dBm	-55.17 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.95909 MHz	-63.89 dBm	-50.89 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.00649 MHz	-75.21 dBm	-40.21 dB

Date: 29.JUL.2024 23:25:41

Highest Band Edge / 1 RB

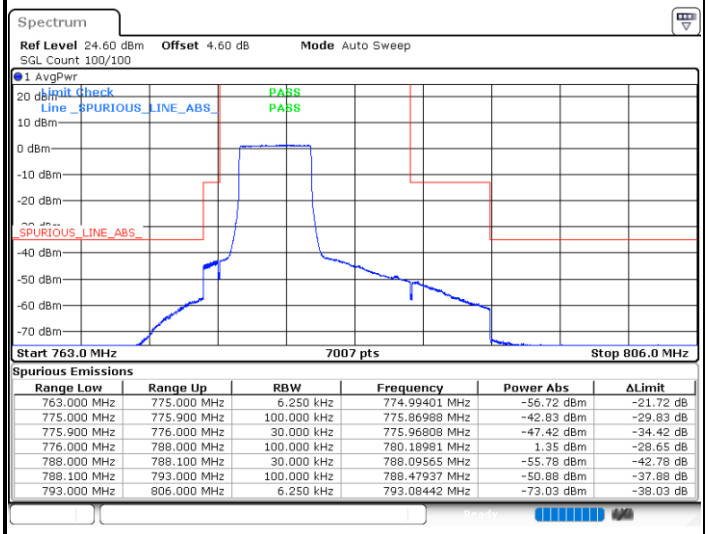


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.89810 MHz	-75.18 dBm	-40.18 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.82582 MHz	-63.49 dBm	-50.49 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.95579 MHz	-68.66 dBm	-55.66 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.65135 MHz	15.13 dBm	-14.87 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01294 MHz	-60.22 dBm	-47.22 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.79755 MHz	-53.08 dBm	-40.08 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.87662 MHz	-75.15 dBm	-40.15 dB

Date: 29.JUL.2024 23:45:23

Lowest Band Edge / Full RB

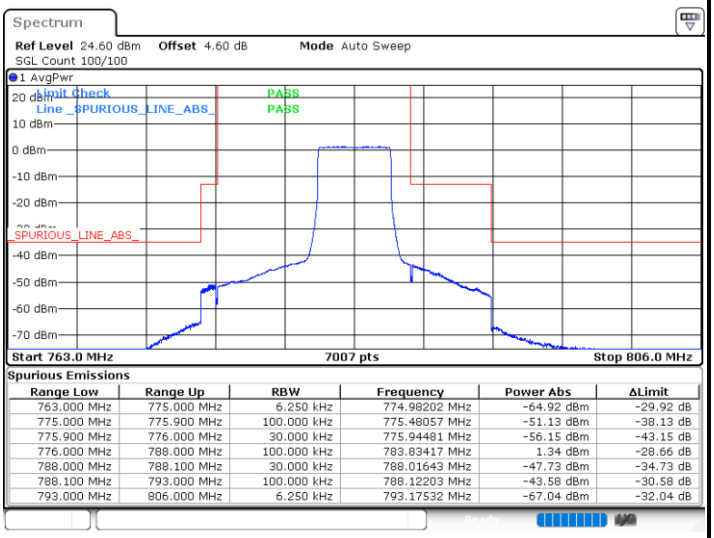


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-56.72 dBm	-21.72 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.86988 MHz	-42.83 dBm	-29.83 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96808 MHz	-47.42 dBm	-34.42 dB
776.000 MHz	788.000 MHz	100.000 kHz	780.18981 MHz	1.35 dBm	-28.65 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.09565 MHz	-55.78 dBm	-42.78 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.47937 MHz	-50.88 dBm	-37.88 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.08442 MHz	-73.03 dBm	-38.03 dB

Date: 29.JUL.2024 23:33:28

Highest Band Edge / Full RB



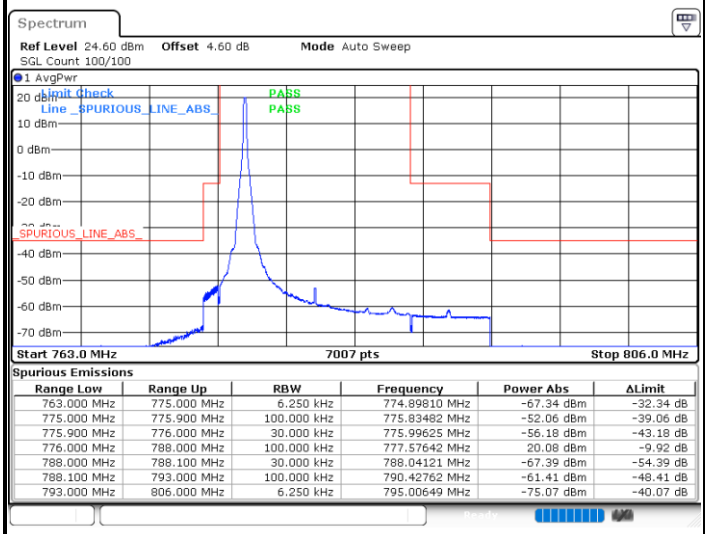
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.98202 MHz	-64.92 dBm	-29.92 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.48057 MHz	-51.13 dBm	-38.13 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94481 MHz	-56.15 dBm	-43.15 dB
776.000 MHz	788.000 MHz	100.000 kHz	783.83417 MHz	1.34 dBm	-28.66 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01643 MHz	-47.73 dBm	-34.73 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.12203 MHz	-43.58 dBm	-30.58 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.17532 MHz	-67.04 dBm	-32.04 dB

Date: 29.JUL.2024 23:52:47

LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB

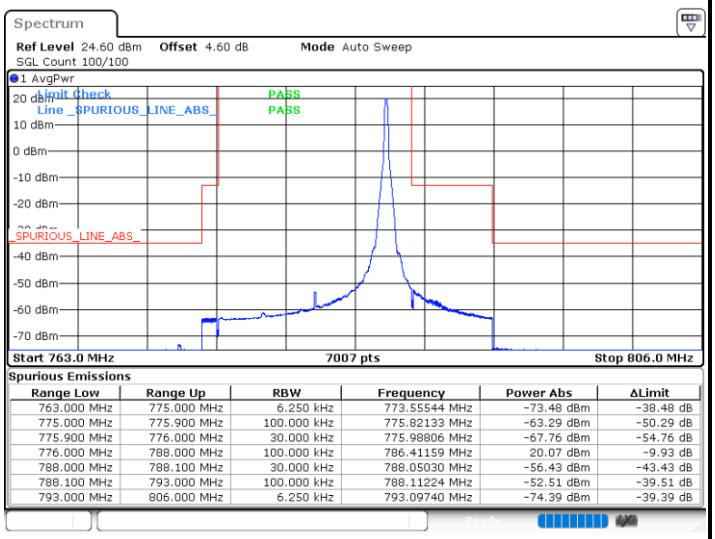


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.89810 MHz	-67.34 dBm	-32.34 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.83482 MHz	-52.06 dBm	-39.06 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99625 MHz	-56.18 dBm	-43.18 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.57642 MHz	20.08 dBm	-9.92 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.04121 MHz	-67.39 dBm	-54.39 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.42762 MHz	-61.41 dBm	-48.41 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.00649 MHz	-75.07 dBm	-40.07 dB

Date: 30.JUL.2024 00:30:27

middle Band Edge / 1 RB

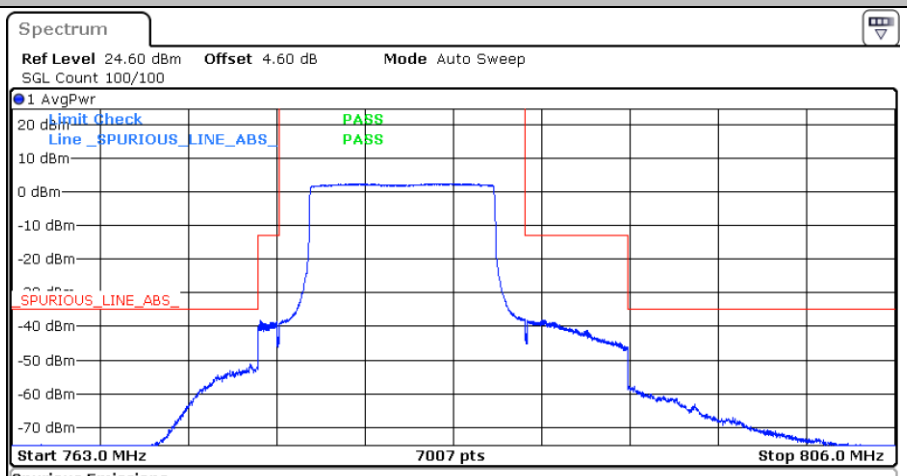


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.55544 MHz	-73.48 dBm	-38.48 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.82133 MHz	-63.29 dBm	-50.29 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98806 MHz	-67.76 dBm	-54.76 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	20.07 dBm	-9.93 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.05030 MHz	-56.43 dBm	-43.43 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-52.51 dBm	-39.51 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.09740 MHz	-74.39 dBm	-39.39 dB

Date: 30.JUL.2024 00:45:04

Middle Band Edge / Full RB



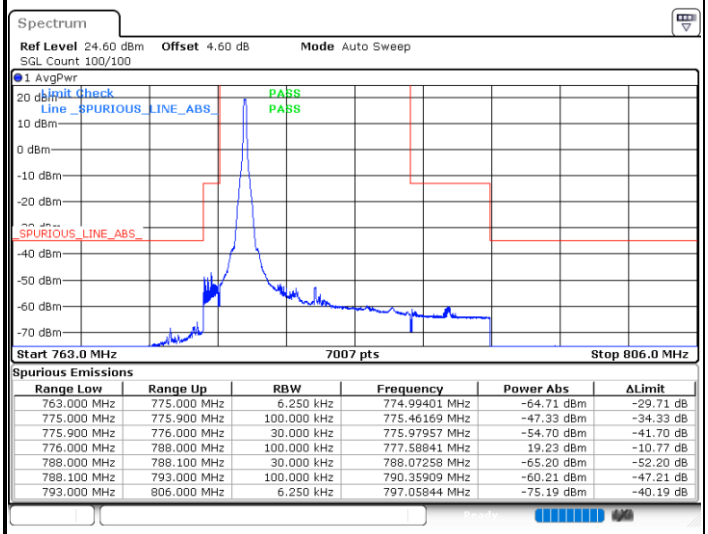
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.57443 MHz	-51.12 dBm	-16.12 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.08766 MHz	-38.19 dBm	-25.19 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98506 MHz	-42.94 dBm	-29.94 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.40959 MHz	2.46 dBm	-27.54 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00445 MHz	-42.06 dBm	-29.06 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.89056 MHz	-38.10 dBm	-25.10 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.29221 MHz	-57.82 dBm	-22.82 dB

Date: 30.JUL.2024 00:37:46

LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB

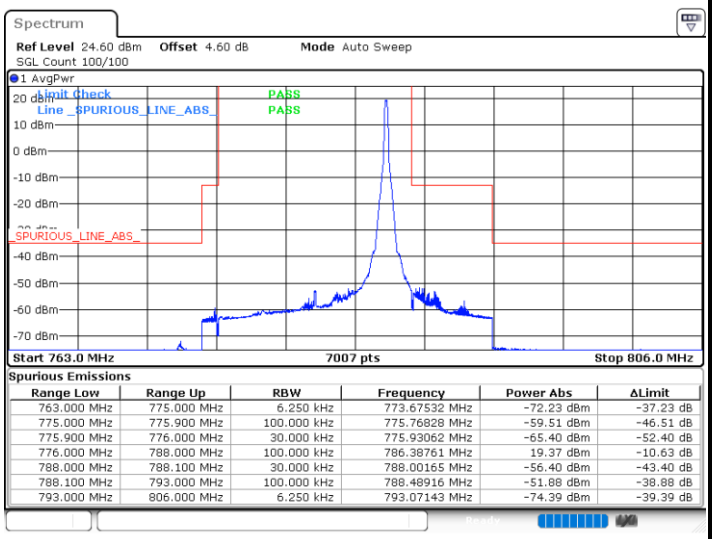


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.99401 MHz	-64.71 dBm	-29.71 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.46169 MHz	-47.33 dBm	-34.33 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.97957 MHz	-54.70 dBm	-41.70 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.58841 MHz	19.23 dBm	-10.77 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.07258 MHz	-65.20 dBm	-52.20 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.35909 MHz	-60.21 dBm	-47.21 dB
793.000 MHz	806.000 MHz	6.250 kHz	797.05844 MHz	-75.19 dBm	-40.19 dB

Date: 30.JUL.2024 00:32:17

middle Band Edge / 1 RB

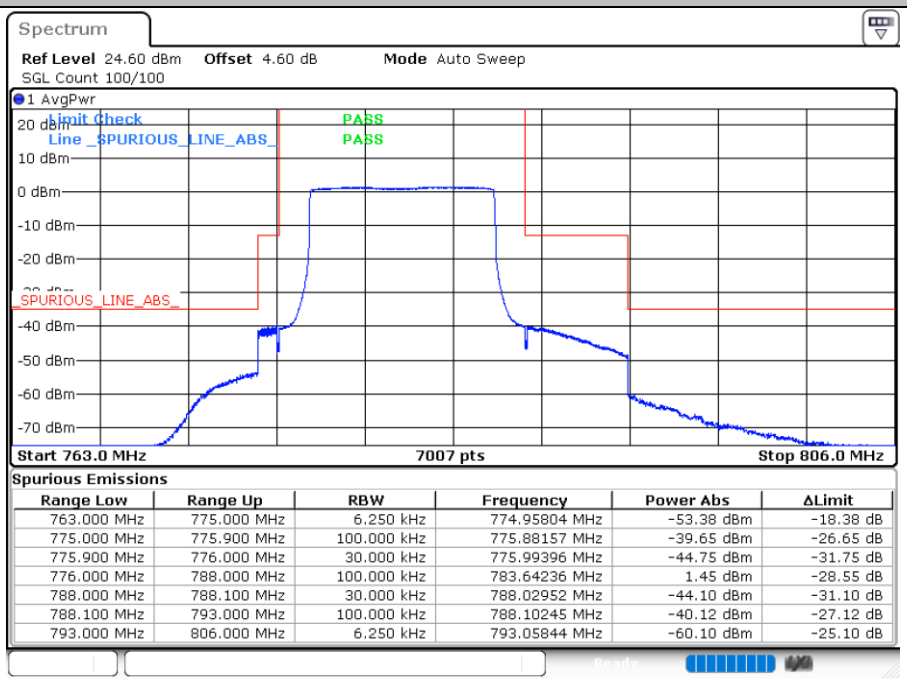


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.67532 MHz	-72.23 dBm	-37.23 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.76828 MHz	-59.51 dBm	-46.51 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93062 MHz	-65.40 dBm	-52.40 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.38761 MHz	19.37 dBm	-10.63 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00165 MHz	-56.40 dBm	-43.40 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.48916 MHz	-51.88 dBm	-38.88 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.07143 MHz	-74.39 dBm	-39.39 dB

Date: 30.JUL.2024 00:46:54

middle Band Edge / Full RB



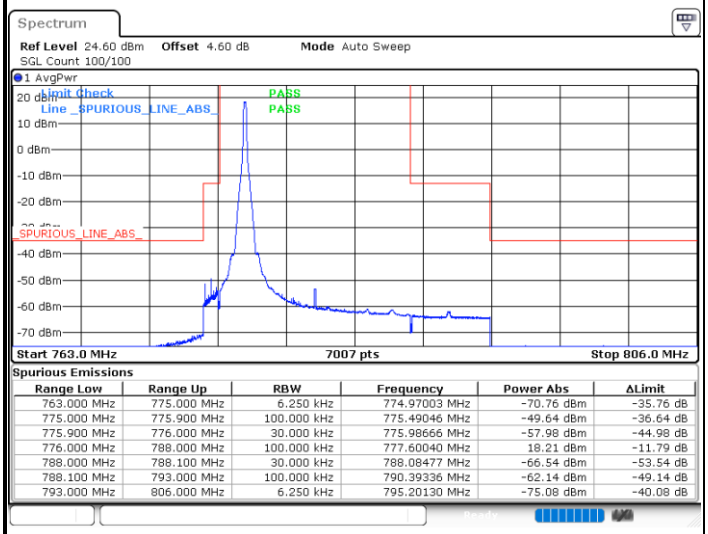
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.95804 MHz	-53.38 dBm	-18.38 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88157 MHz	-39.65 dBm	-26.65 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99396 MHz	-44.75 dBm	-31.75 dB
776.000 MHz	788.000 MHz	100.000 kHz	783.64236 MHz	1.45 dBm	-28.55 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02952 MHz	-44.10 dBm	-31.10 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.10245 MHz	-40.12 dBm	-27.12 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.05844 MHz	-60.10 dBm	-25.10 dB

Date: 30.JUL.2024 00:39:35

LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB

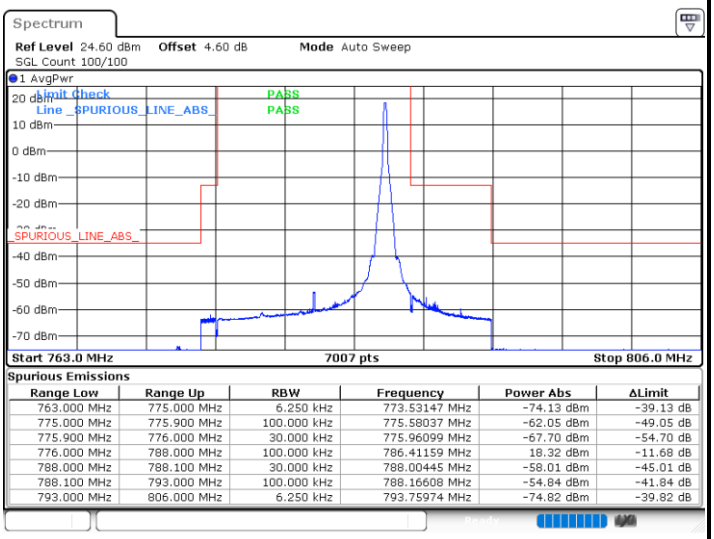


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.97003 MHz	-70.76 dBm	-35.76 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.49046 MHz	-49.64 dBm	-36.64 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.98666 MHz	-57.98 dBm	-44.98 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	18.21 dBm	-11.79 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.08477 MHz	-66.54 dBm	-53.54 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.39336 MHz	-62.14 dBm	-49.14 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.20130 MHz	-75.08 dBm	-40.08 dB

Date: 30.JUL.2024 00:34:06

middle Band Edge / 1 RB

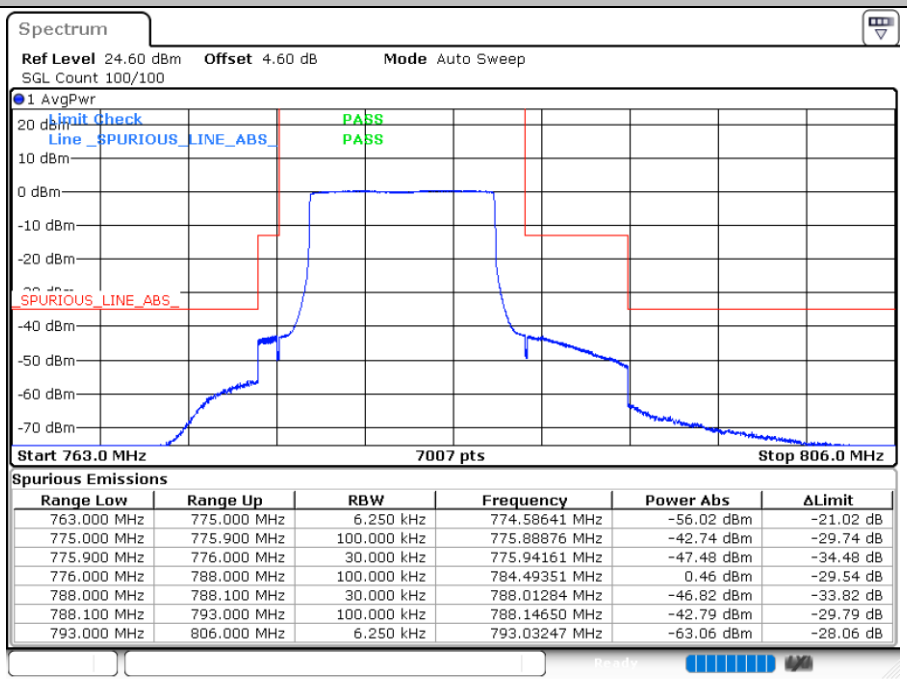


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.53147 MHz	-74.13 dBm	-39.13 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.58037 MHz	-62.05 dBm	-49.05 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.96099 MHz	-67.70 dBm	-54.70 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.41159 MHz	18.32 dBm	-11.68 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.00445 MHz	-58.01 dBm	-45.01 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.16608 MHz	-54.84 dBm	-41.84 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.75974 MHz	-74.82 dBm	-39.82 dB

Date: 30.JUL.2024 00:48:44

middle Band Edge / Full RB



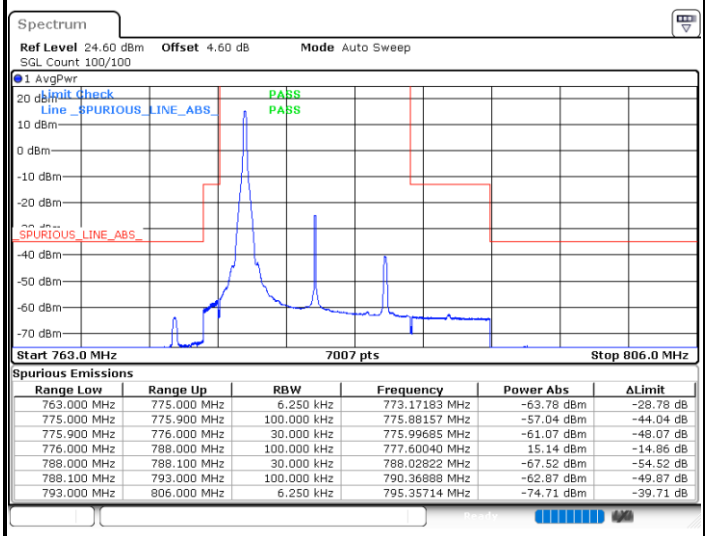
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.58641 MHz	-56.02 dBm	-21.02 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88876 MHz	-42.74 dBm	-29.74 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.94161 MHz	-47.48 dBm	-34.48 dB
776.000 MHz	788.000 MHz	100.000 kHz	784.49351 MHz	0.46 dBm	-29.54 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.01284 MHz	-46.82 dBm	-33.82 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.14650 MHz	-42.79 dBm	-29.79 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.03247 MHz	-63.06 dBm	-28.06 dB

Date: 30.JUL.2024 00:41:25

LTE Band 13 / 10MHz / 256QAM

middle Band Edge / 1 RB

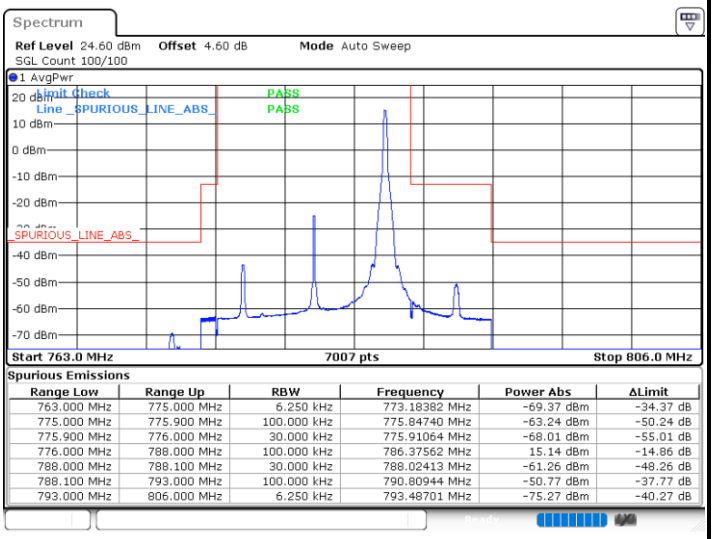


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.17183 MHz	-63.78 dBm	-28.78 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.88157 MHz	-57.04 dBm	-44.04 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.99685 MHz	-61.07 dBm	-48.07 dB
776.000 MHz	788.000 MHz	100.000 kHz	777.60040 MHz	15.14 dBm	-14.86 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02822 MHz	-67.52 dBm	-54.52 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.36888 MHz	-62.87 dBm	-49.87 dB
793.000 MHz	806.000 MHz	6.250 kHz	795.35714 MHz	-74.71 dBm	-39.71 dB

Date: 30.JUL.2024 00:35:56

middle Band Edge / 1 RB

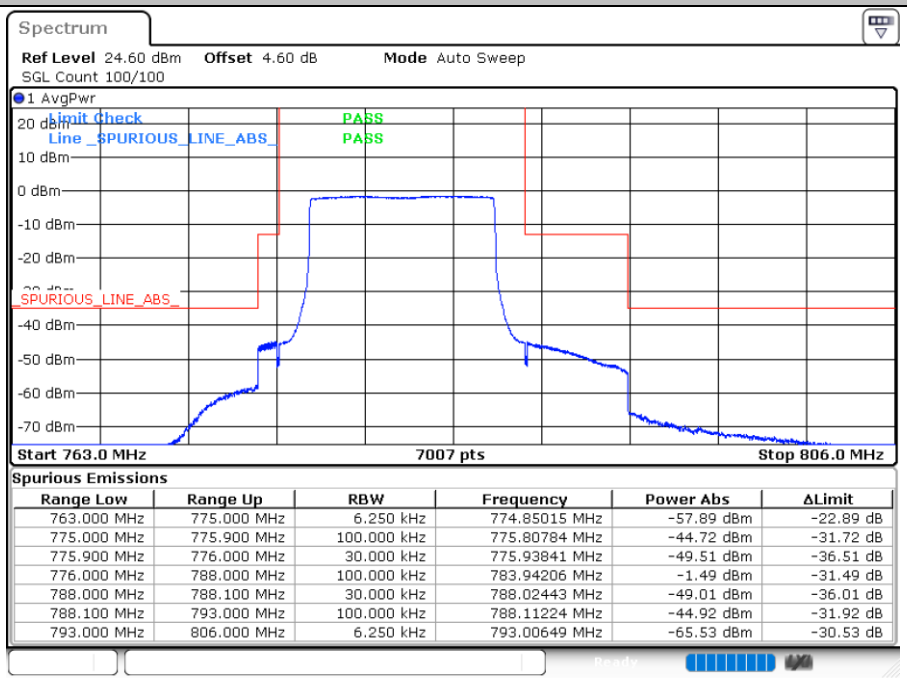


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	773.18382 MHz	-69.37 dBm	-34.37 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.84740 MHz	-63.24 dBm	-50.24 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.91064 MHz	-68.01 dBm	-55.01 dB
776.000 MHz	788.000 MHz	100.000 kHz	786.37562 MHz	15.14 dBm	-14.86 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02413 MHz	-61.26 dBm	-48.26 dB
788.100 MHz	793.000 MHz	100.000 kHz	790.80944 MHz	-50.77 dBm	-37.77 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.48701 MHz	-75.27 dBm	-40.27 dB

Date: 30.JUL.2024 00:50:33

middle Band Edge / Full RB



Spurious Emissions

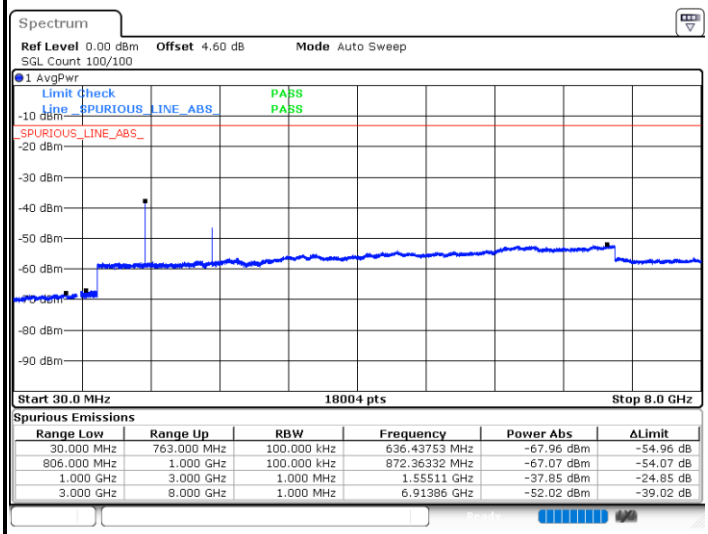
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
763.000 MHz	775.000 MHz	6.250 kHz	774.85015 MHz	-57.89 dBm	-22.89 dB
775.000 MHz	775.900 MHz	100.000 kHz	775.80784 MHz	-44.72 dBm	-31.72 dB
775.900 MHz	776.000 MHz	30.000 kHz	775.93841 MHz	-49.51 dBm	-36.51 dB
776.000 MHz	788.000 MHz	100.000 kHz	783.94206 MHz	-1.49 dBm	-31.49 dB
788.000 MHz	788.100 MHz	30.000 kHz	788.02443 MHz	-49.01 dBm	-36.01 dB
788.100 MHz	793.000 MHz	100.000 kHz	788.11224 MHz	-44.92 dBm	-31.92 dB
793.000 MHz	806.000 MHz	6.250 kHz	793.00649 MHz	-65.53 dBm	-30.53 dB

Date: 30.JUL.2024 00:43:15

Conducted Spurious Emission

LTE Band 13 / 5MHz

Lowest Channel / QPSK

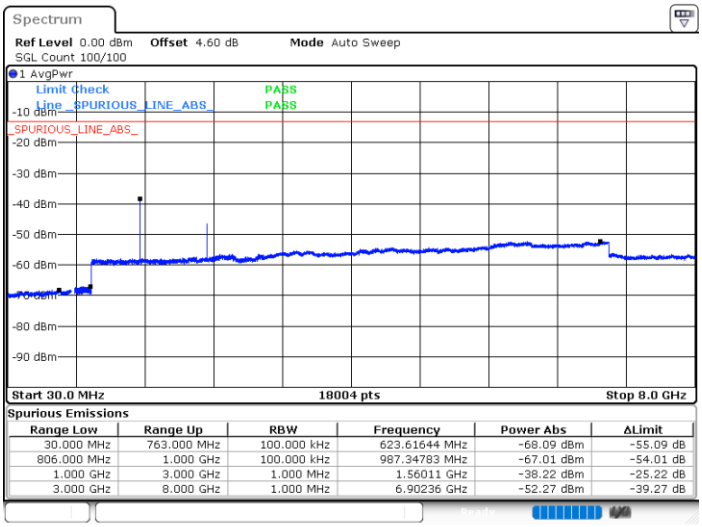


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	636.43753 MHz	-67.96 dBm	-54.96 dB
806.000 MHz	1.000 GHz	100.000 kHz	872.36332 MHz	-67.07 dBm	-54.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55511 GHz	-37.85 dBm	-24.85 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.91386 GHz	-52.02 dBm	-39.02 dB

Date: 29.JUL.2024 23:18:20

Middle Channel / QPSK

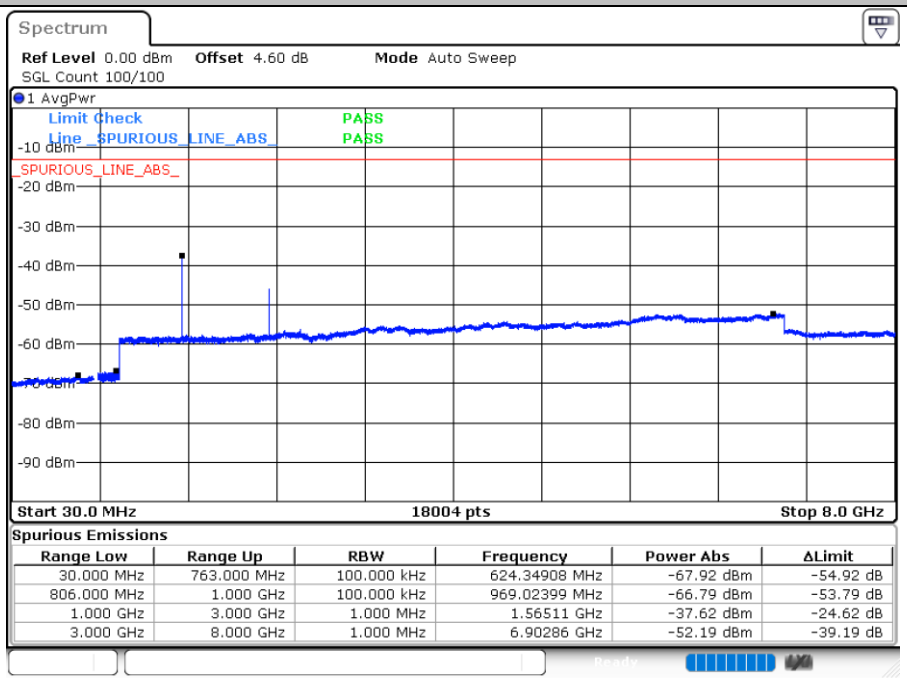


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	623.61644 MHz	-68.09 dBm	-55.09 dB
806.000 MHz	1.000 GHz	100.000 kHz	987.34783 MHz	-67.01 dBm	-54.01 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56011 GHz	-38.22 dBm	-25.22 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.90236 GHz	-52.27 dBm	-39.27 dB

Date: 29.JUL.2024 23:36:38

Highest Channel / QPSK

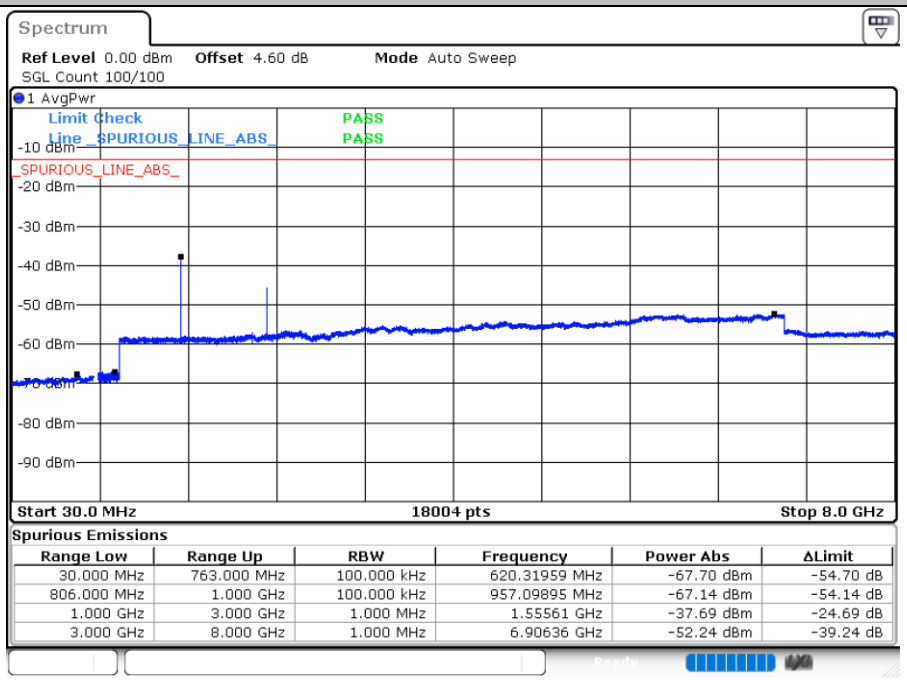


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	763.000 MHz	100.000 kHz	624.34908 MHz	-67.92 dBm	-54.92 dB
806.000 MHz	1.000 GHz	100.000 kHz	969.02399 MHz	-66.79 dBm	-53.79 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.56511 GHz	-37.62 dBm	-24.62 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.90286 GHz	-52.19 dBm	-39.19 dB

Date: 29.JUL.2024 23:38:02

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	620.31959 MHz	-67.70 dBm	-54.70 dB
806.000 MHz	1.000 GHz	100.000 kHz	957.09895 MHz	-67.14 dBm	-54.14 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.55561 GHz	-37.69 dBm	-24.69 dB
3.000 GHz	8.000 GHz	1.000 MHz	6.90636 GHz	-52.24 dBm	-39.24 dB

Date: 30.JUL.2024 00:28:38

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	0.0021	PASS
40	Normal Voltage	0.0043	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0066	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0061	
20	Battery End Point	0.0031	

Note:

1. Normal Voltage =3.91 V. ; Minimum Voltage =3.4 V. ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

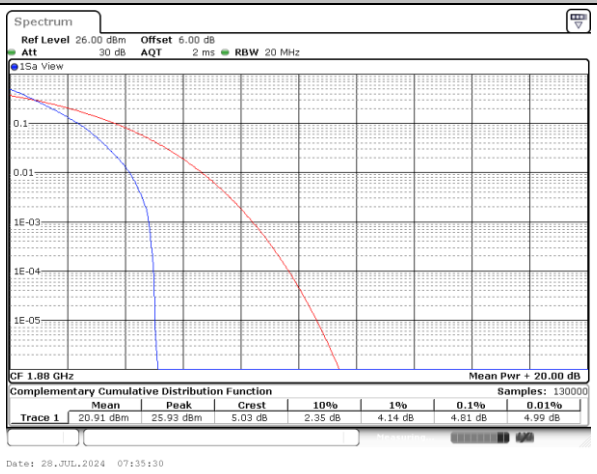
LTE Band 25

Peak-to-Average Ratio

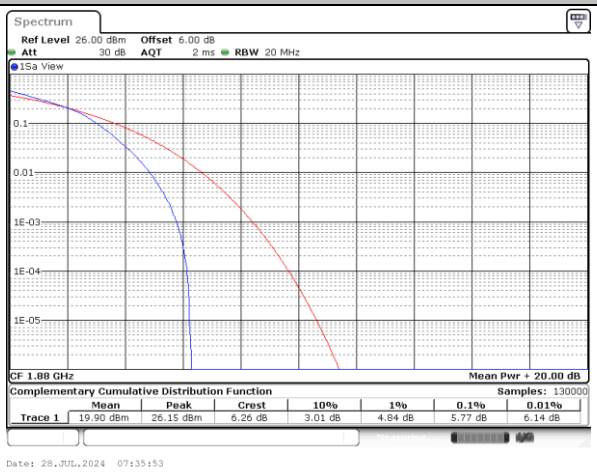
Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.77	6.29	6.70	PASS

LTE Band 25 / 20MHz

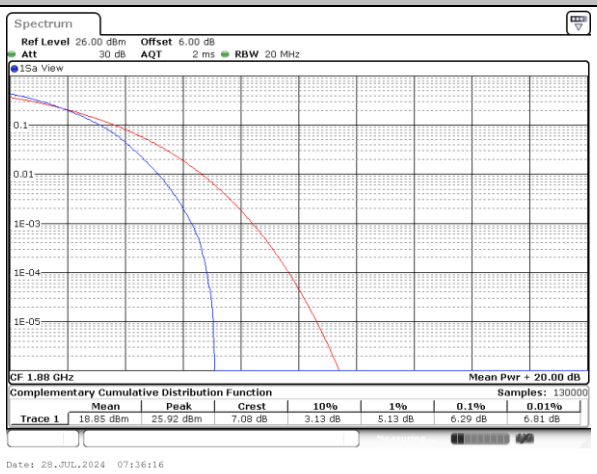
Middle Channel / Full RB/ QPSK



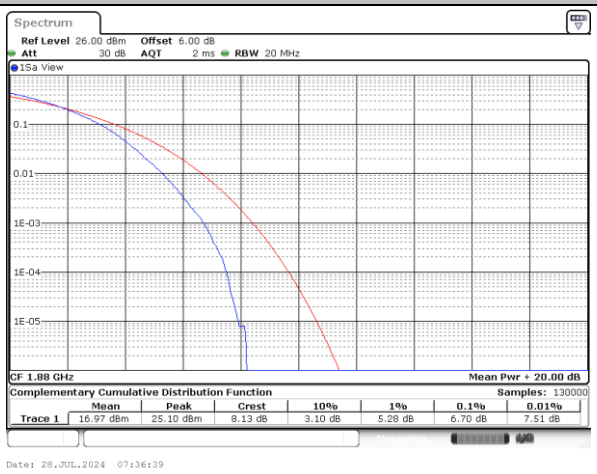
Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM



Middle Channel / Full RB/ 256QAM

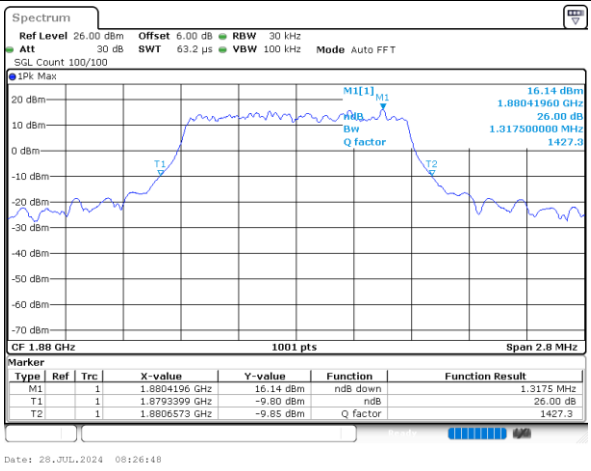


26dB Bandwidth

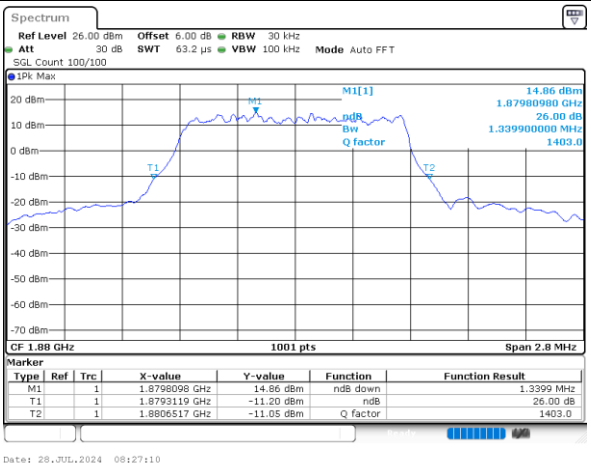
Mode	LTE Band 25 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.32	1.34
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.13	3.12
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.11	5.16
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.89	9.99
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.21	14.75
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.22	19.34

LTE Band 25

Middle Channel / 1.4MHz / QPSK

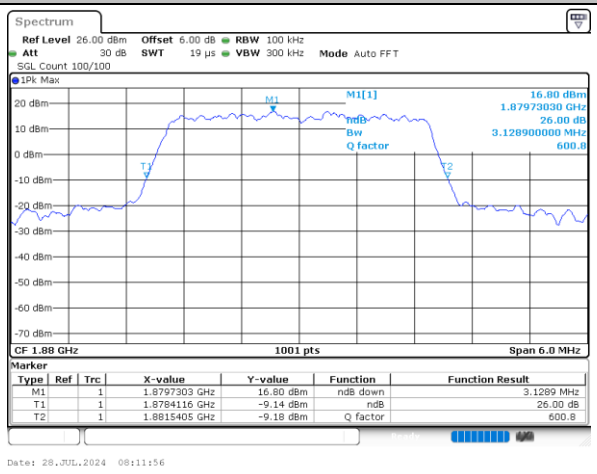


Middle Channel / 1.4MHz / 16QAM

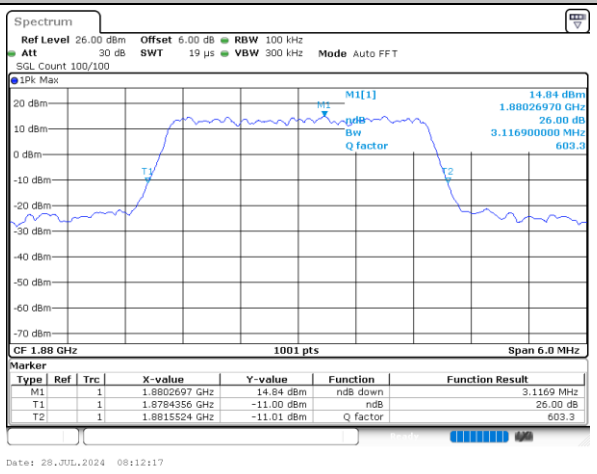


LTE Band 25

Middle Channel / 3MHz / QPSK

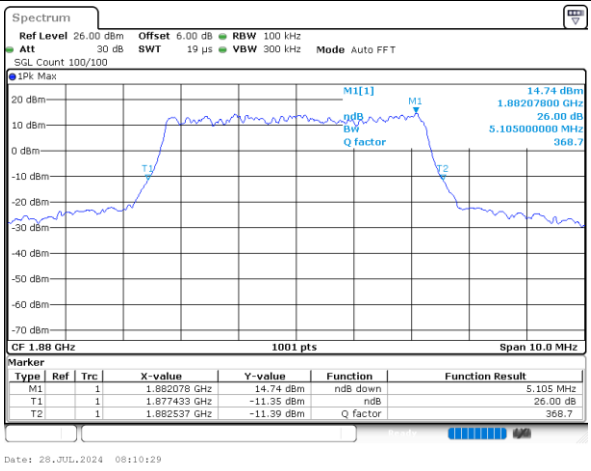


Middle Channel / 3MHz / 16QAM

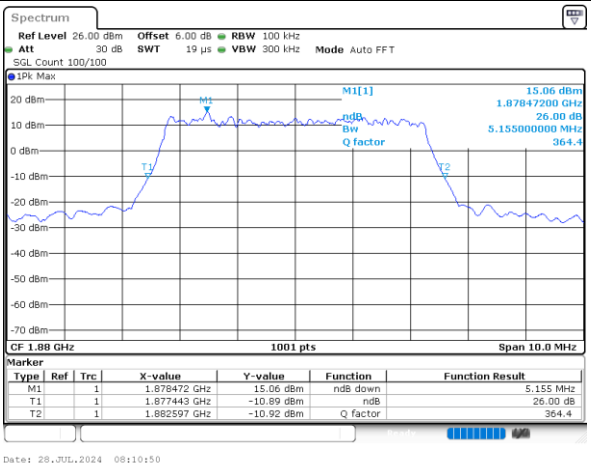


LTE Band 25

Middle Channel / 5MHz / QPSK

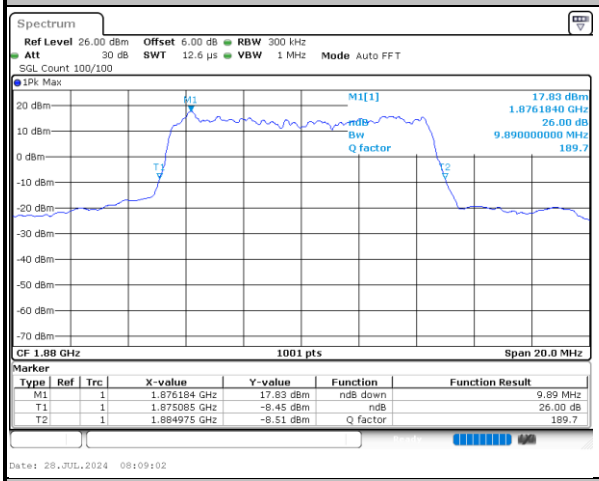


Middle Channel / 5MHz / 16QAM

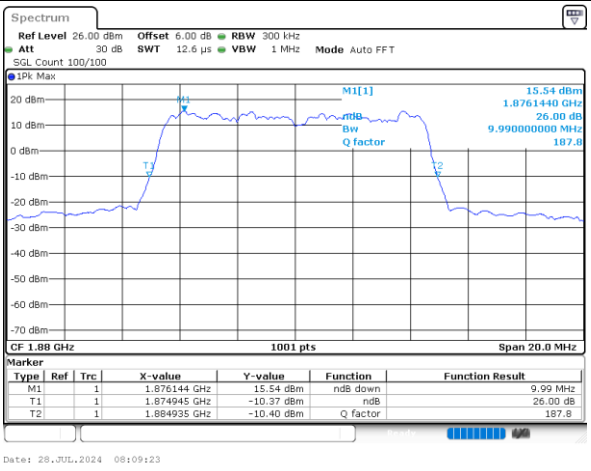


LTE Band 25

Middle Channel / 10MHz / QPSK

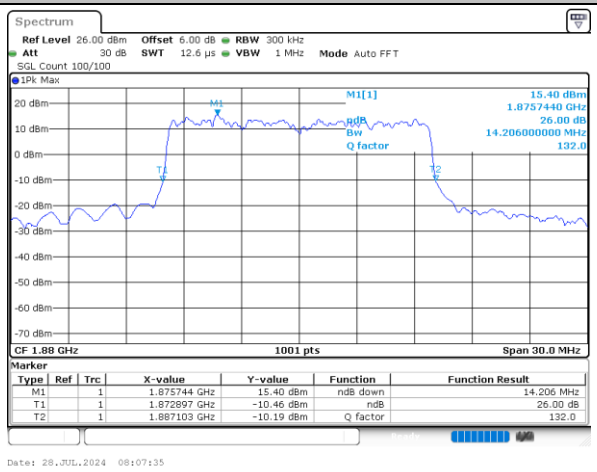


Middle Channel / 10MHz / 16QAM

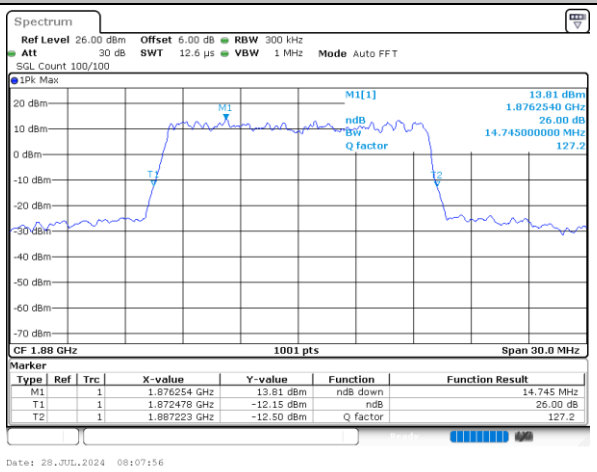


LTE Band 25

Middle Channel / 15MHz / QPSK

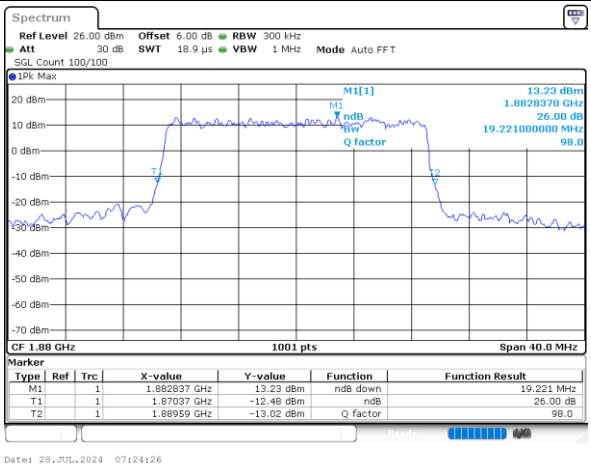


Middle Channel / 15MHz / 16QAM

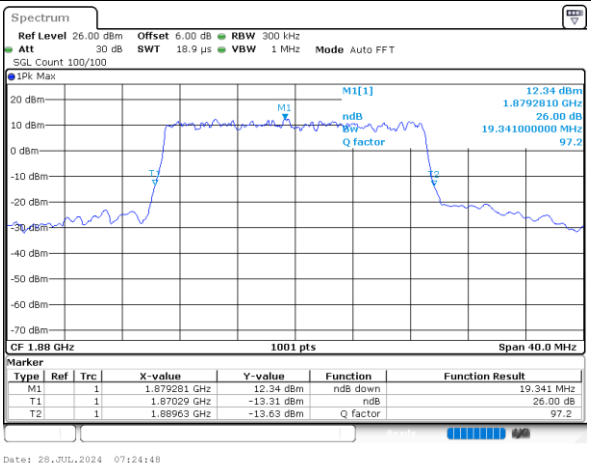


LTE Band 25

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

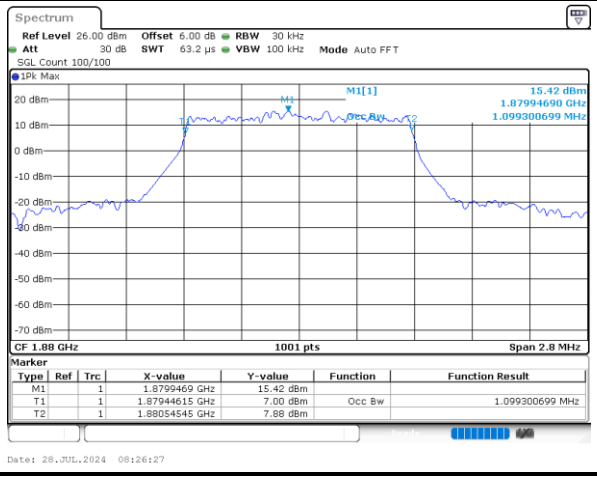


Occupied Bandwidth

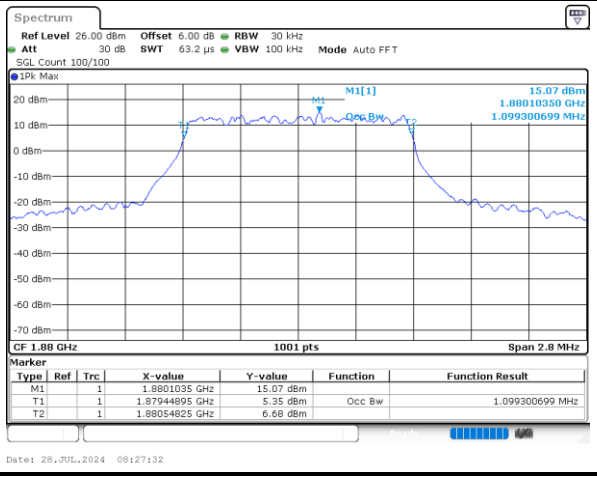
Mode	LTE Band 25 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.10
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.71	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.51
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.09
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.90

LTE Band 25

Middle Channel / 1.4MHz / QPSK

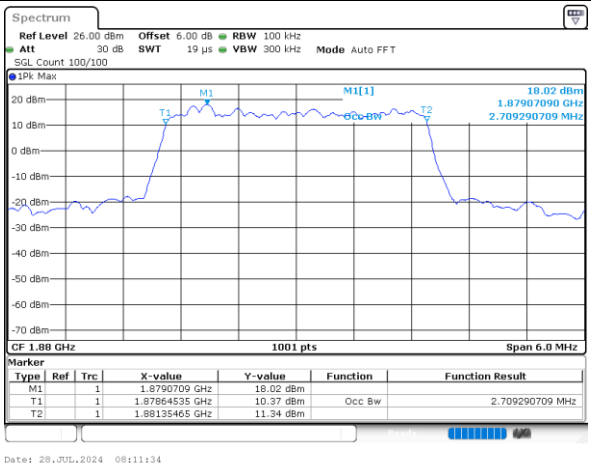


Middle Channel / 1.4MHz / 16QAM

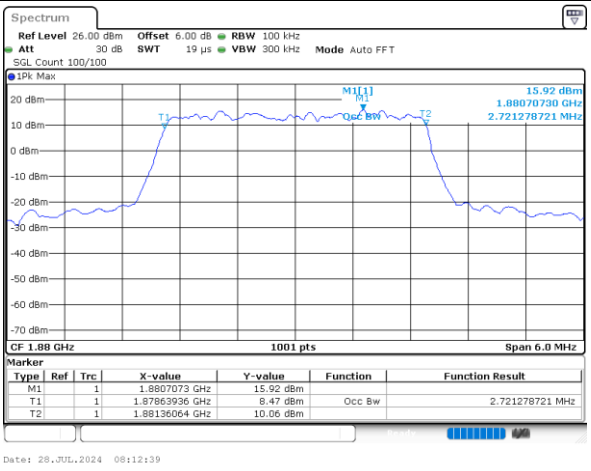


LTE Band 25

Middle Channel / 3MHz / QPSK

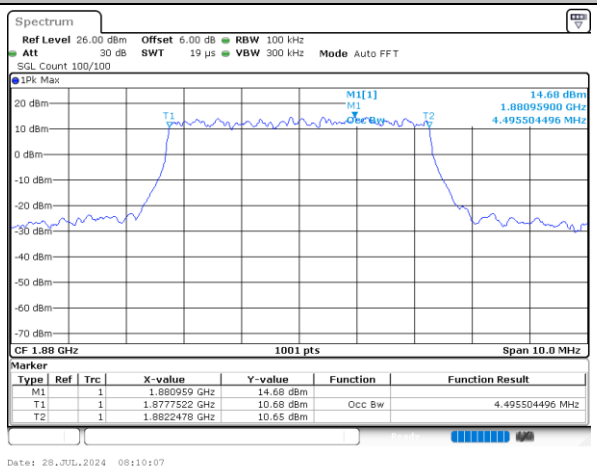


Middle Channel / 3MHz / 16QAM

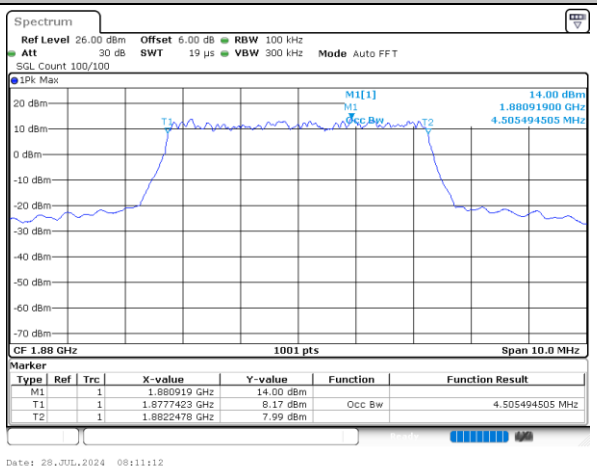


LTE Band 25

Middle Channel / 5MHz / QPSK

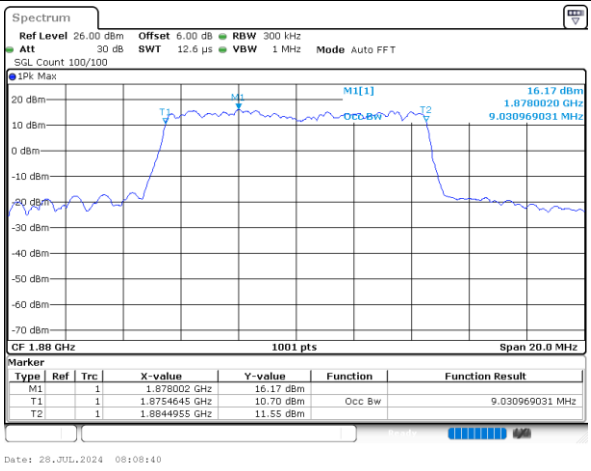


Middle Channel / 5MHz / 16QAM

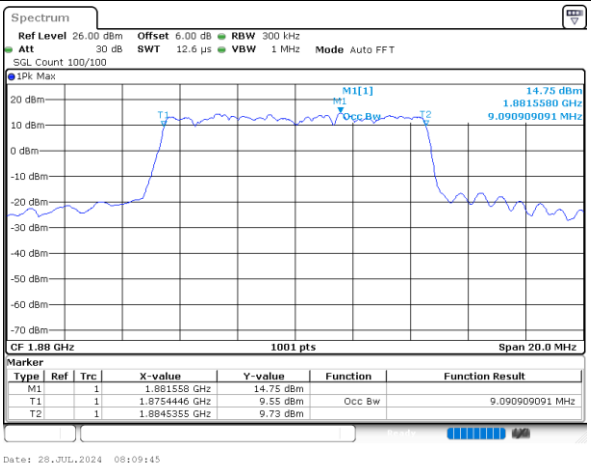


LTE Band 25

Middle Channel / 10MHz / QPSK

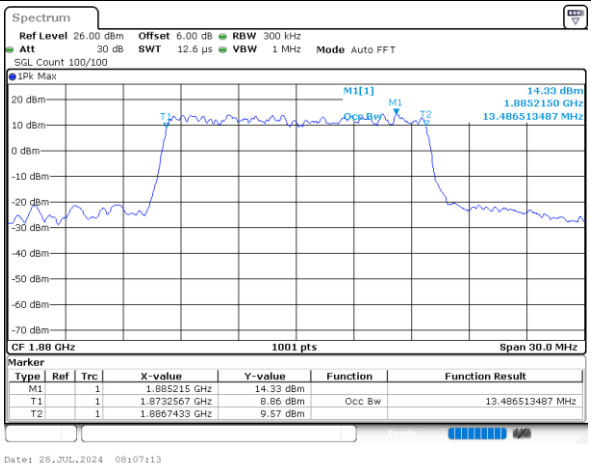


Middle Channel / 10MHz / 16QAM

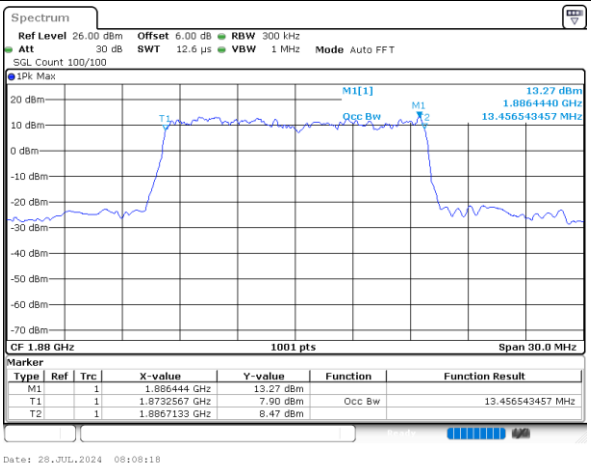


LTE Band 25

Middle Channel / 15MHz / QPSK

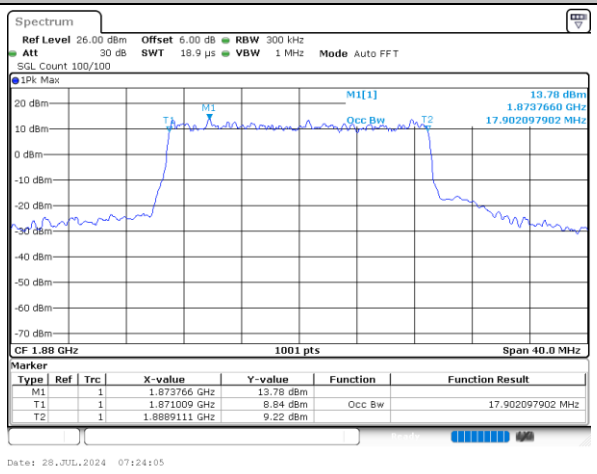


Middle Channel / 15MHz / 16QAM

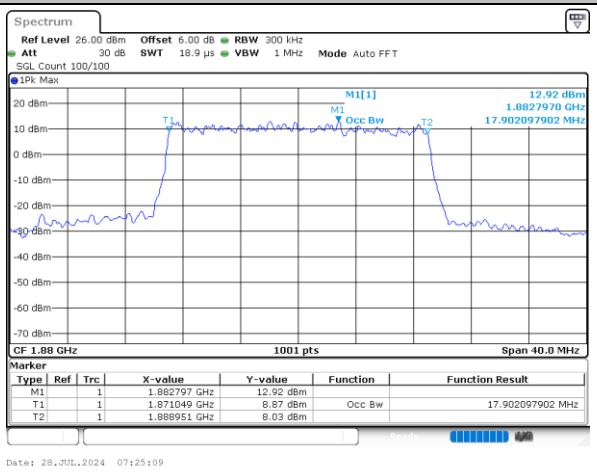


LTE Band 25

Middle Channel / 20MHz / QPSK



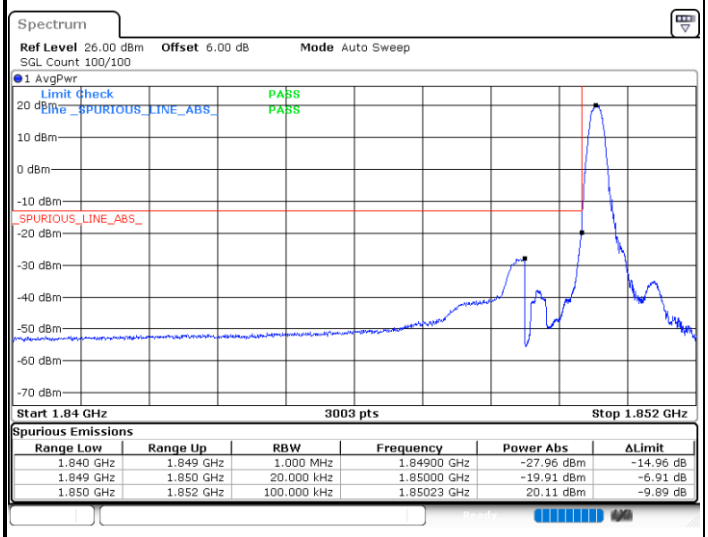
Middle Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 25 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

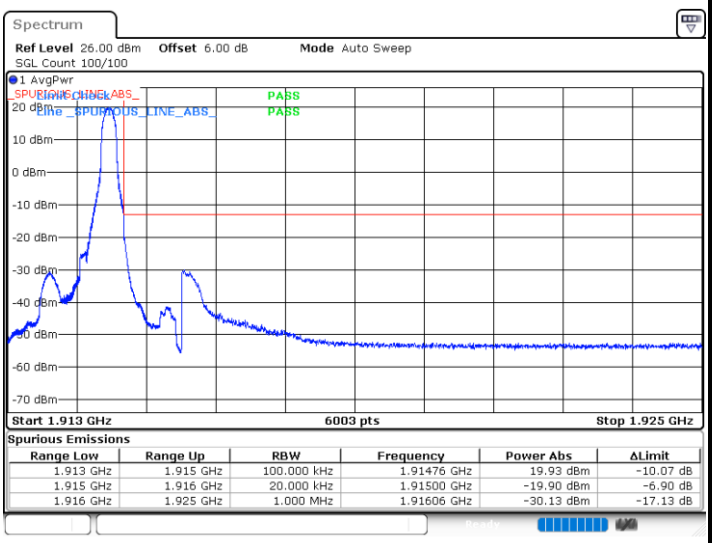


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84900 GHz	-27.96 dBm	-14.96 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-19.91 dBm	-6.91 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85023 GHz	20.11 dBm	-9.89 dB

Date: 28.JUL.2024 04:49:23

Highest Band Edge / 1RB

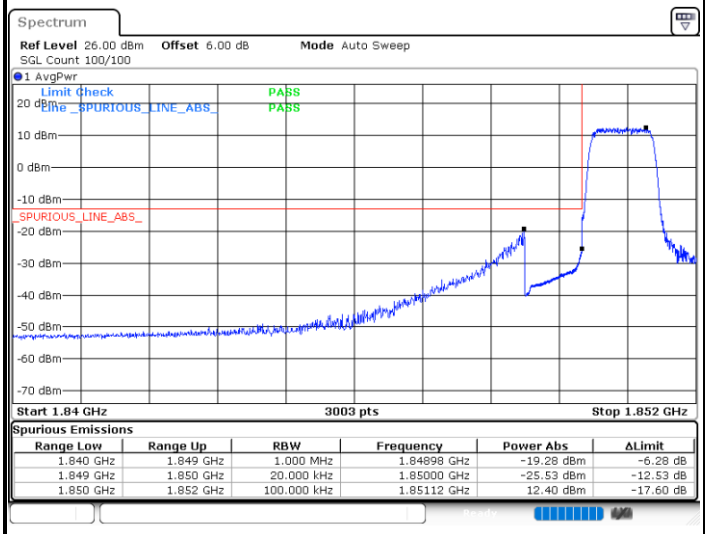


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.913 GHz	1.915 GHz	100.000 kHz	1.91476 GHz	19.93 dBm	-10.07 dB
1.915 GHz	1.916 GHz	20.000 kHz	1.91500 GHz	-19.90 dBm	-6.90 dB
1.916 GHz	1.925 GHz	1.000 MHz	1.91606 GHz	-30.13 dBm	-17.13 dB

Date: 28.JUL.2024 05:05:33

Lowest Band Edge / Full RB

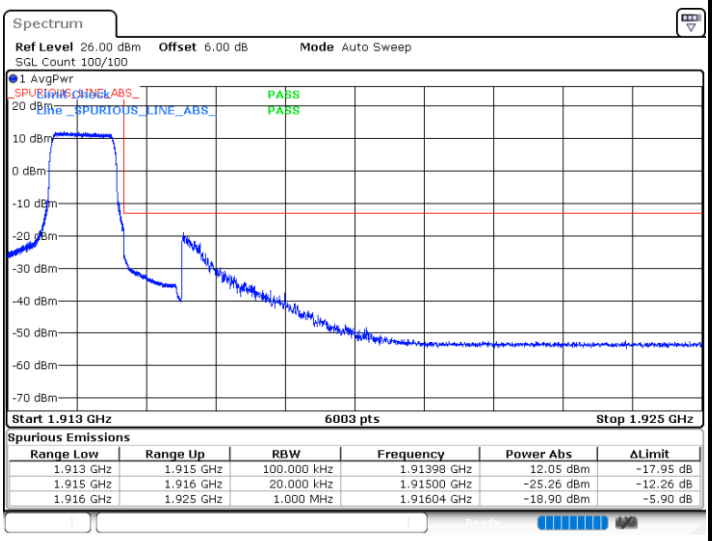


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84898 GHz	-19.28 dBm	-6.28 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-25.53 dBm	-12.53 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85112 GHz	12.40 dBm	-17.60 dB

Date: 28.JUL.2024 04:56:02

Highest Band Edge / Full RB



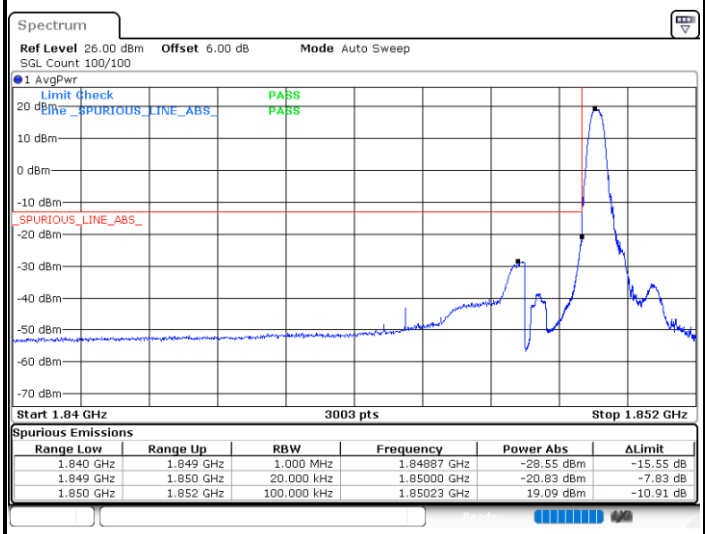
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.913 GHz	1.915 GHz	100.000 kHz	1.91398 GHz	12.05 dBm	-17.95 dB
1.915 GHz	1.916 GHz	20.000 kHz	1.91500 GHz	-25.26 dBm	-12.26 dB
1.916 GHz	1.925 GHz	1.000 MHz	1.91604 GHz	-18.90 dBm	-5.90 dB

Date: 28.JUL.2024 05:12:13

LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

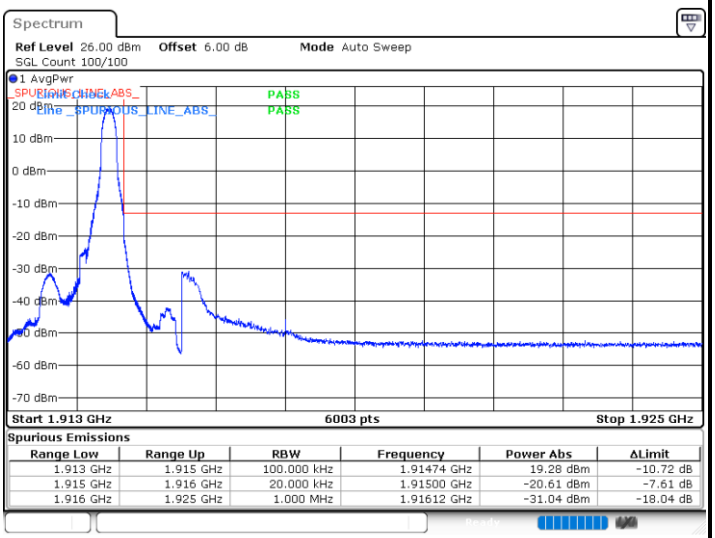


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84887 GHz	-28.55 dBm	-15.55 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-20.83 dBm	-7.83 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85023 GHz	19.09 dBm	-10.91 dB

Date: 28.JUL.2024 04:51:03

Highest Band Edge / 1 RB

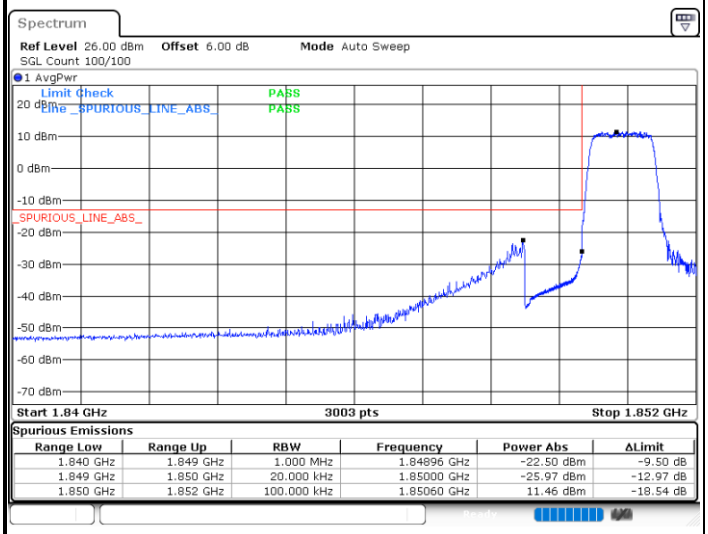


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.913 GHz	1.915 GHz	100.000 kHz	1.91474 GHz	19.28 dBm	-10.72 dB
1.915 GHz	1.916 GHz	20.000 kHz	1.91500 GHz	-20.61 dBm	-7.61 dB
1.916 GHz	1.925 GHz	1.000 MHz	1.91612 GHz	-31.04 dBm	-18.04 dB

Date: 28.JUL.2024 05:07:13

Lowest Band Edge / Full RB

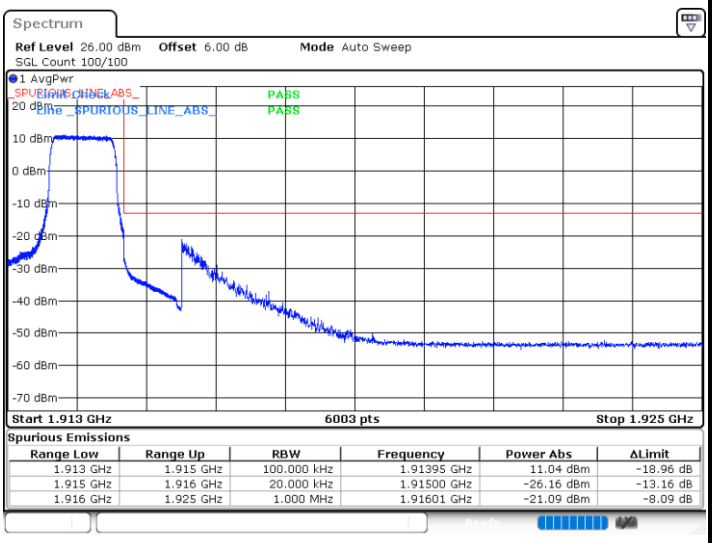


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84896 GHz	-22.50 dBm	-9.50 dB
1.849 GHz	1.850 GHz	20.000 kHz	1.85000 GHz	-25.97 dBm	-12.97 dB
1.850 GHz	1.852 GHz	100.000 kHz	1.85060 GHz	11.46 dBm	-18.54 dB

Date: 28.JUL.2024 04:57:42

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.913 GHz	1.915 GHz	100.000 kHz	1.91395 GHz	11.04 dBm	-18.96 dB
1.915 GHz	1.916 GHz	20.000 kHz	1.91500 GHz	-26.16 dBm	-13.16 dB
1.916 GHz	1.925 GHz	1.000 MHz	1.91601 GHz	-21.09 dBm	-8.09 dB

Date: 28.JUL.2024 05:13:52