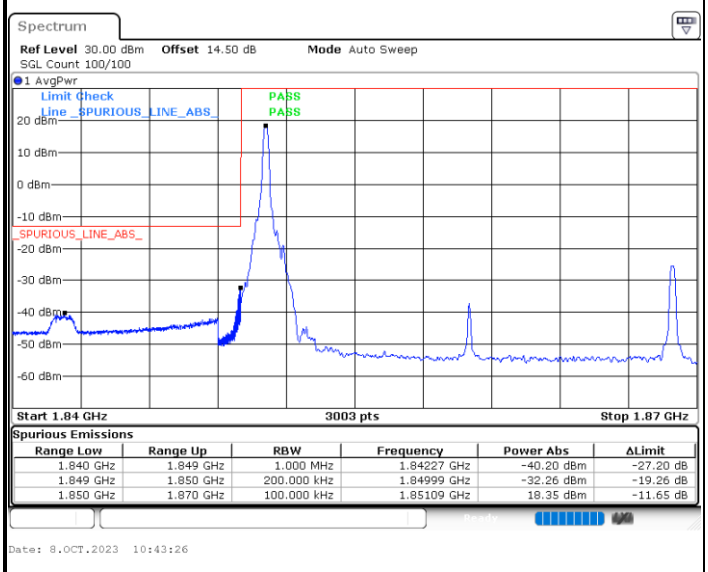
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

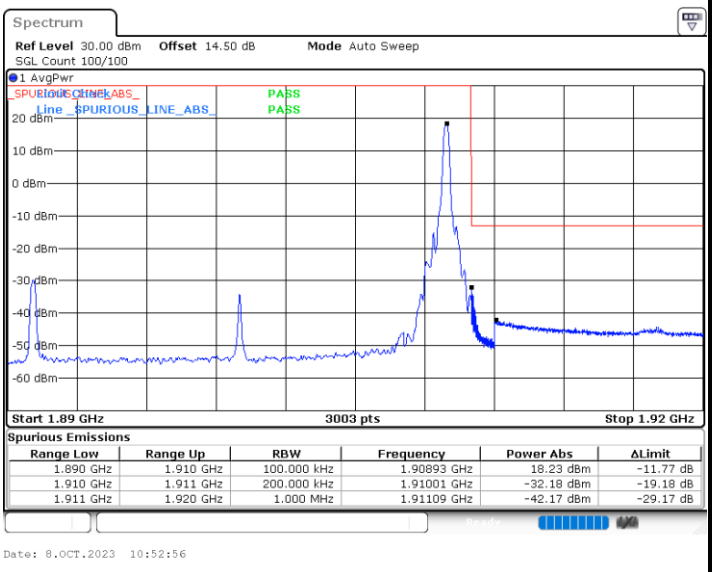


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84227 GHz	-40.20 dBm	-27.20 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84999 GHz	-32.26 dBm	-19.26 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85109 GHz	18.35 dBm	-11.65 dB

Date: 8.OCT.2023 10:43:26

Highest Band Edge / 1 RB

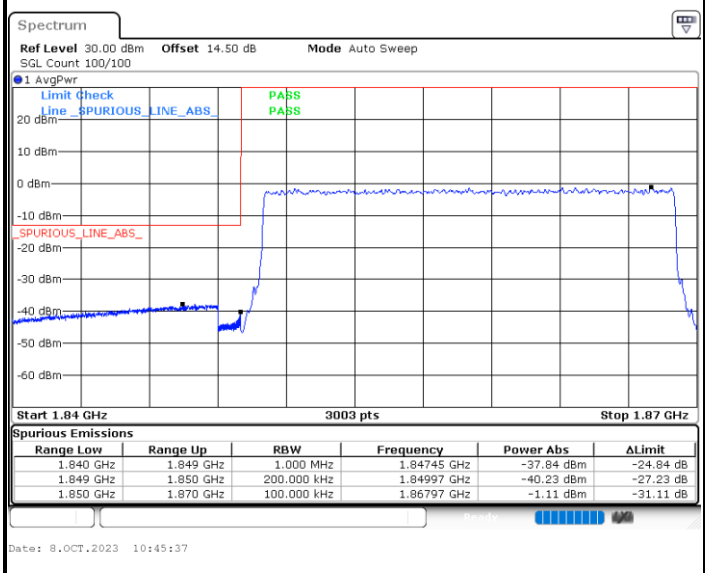


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90893 GHz	18.23 dBm	-11.77 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91001 GHz	-32.18 dBm	-19.18 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91109 GHz	-42.17 dBm	-29.17 dB

Date: 8.OCT.2023 10:52:56

Lowest Band Edge / Full RB

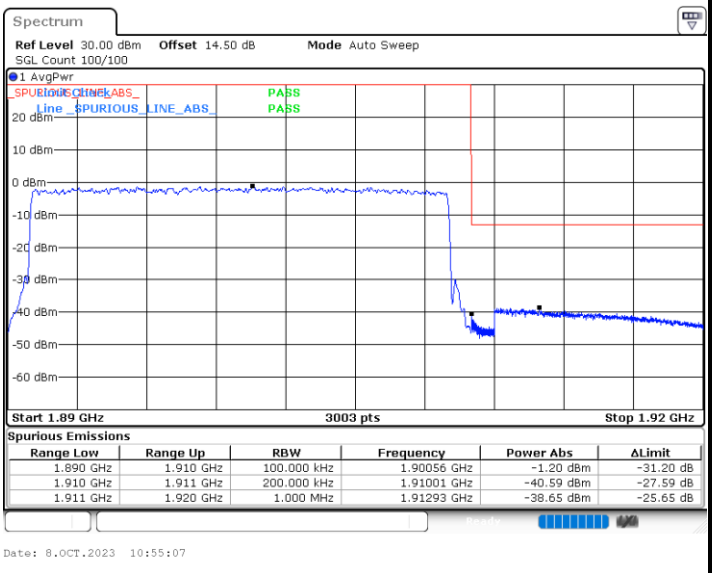


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84745 GHz	-37.84 dBm	-24.84 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.84997 GHz	-40.23 dBm	-27.23 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.86797 GHz	-1.11 dBm	-31.11 dB

Date: 8.OCT.2023 10:45:37

Highest Band Edge / Full RB



Spurious Emissions

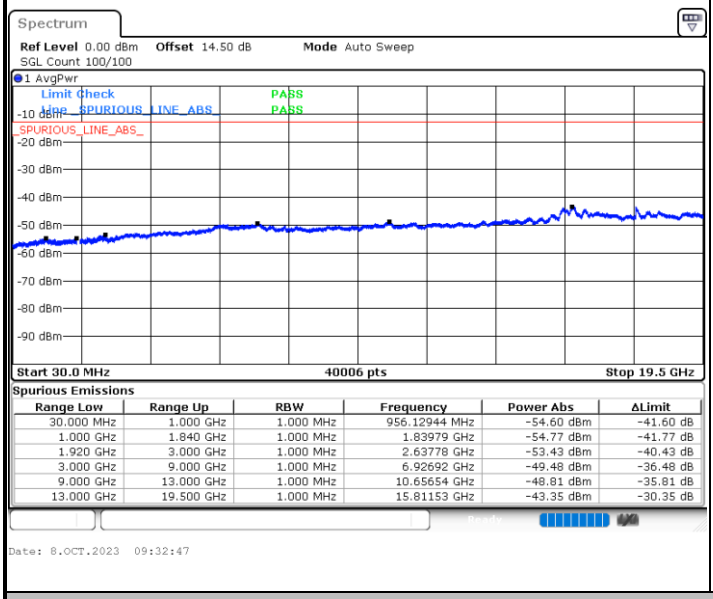
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90056 GHz	-1.20 dBm	-31.20 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91001 GHz	-40.59 dBm	-27.59 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91293 GHz	-38.65 dBm	-25.65 dB

Date: 8.OCT.2023 10:55:07

Conducted Spurious Emission

LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

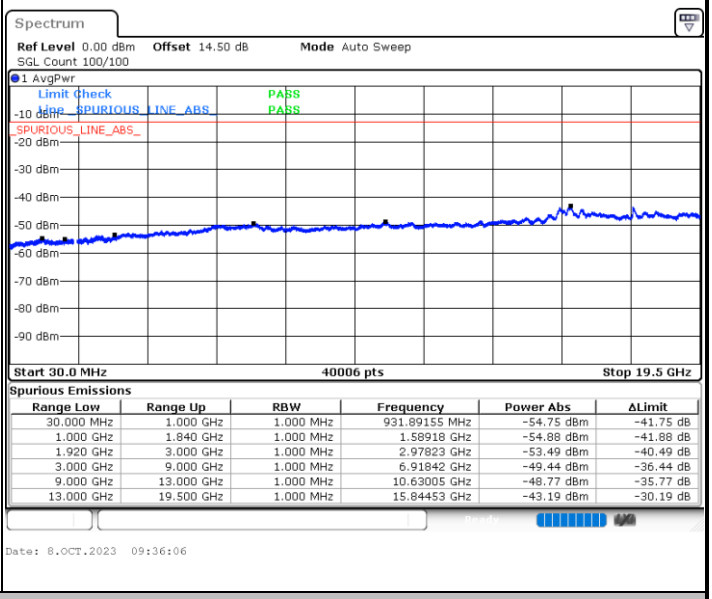


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	956.12944 MHz	-54.60 dBm	-41.60 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-54.77 dBm	-41.77 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63778 GHz	-53.43 dBm	-40.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92692 GHz	-49.48 dBm	-36.48 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.65654 GHz	-48.81 dBm	-35.81 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.81153 GHz	-43.35 dBm	-30.35 dB

Date: 8.OCT.2023 09:32:47

Middle Channel / QPSK

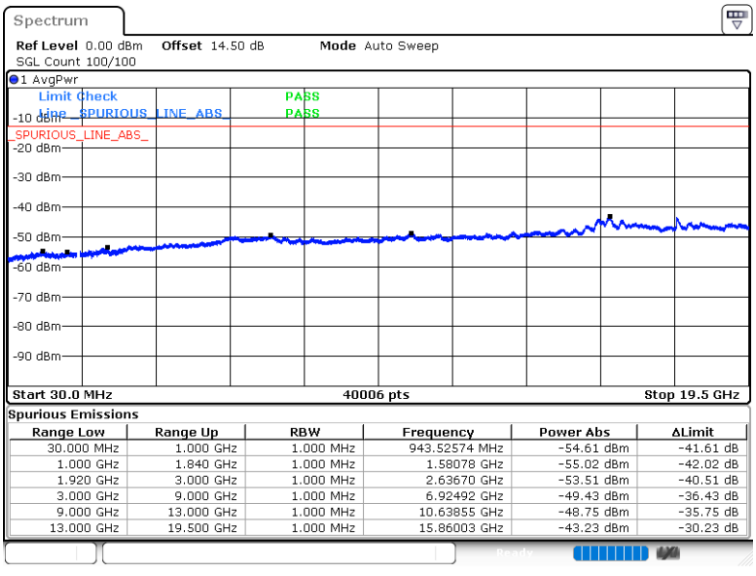


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	931.89155 MHz	-54.75 dBm	-41.75 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58918 GHz	-54.88 dBm	-41.88 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97823 GHz	-53.49 dBm	-40.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91842 GHz	-49.44 dBm	-36.44 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63005 GHz	-48.77 dBm	-35.77 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.84453 GHz	-43.19 dBm	-30.19 dB

Date: 8.OCT.2023 09:36:06

Highest Channel / QPSK



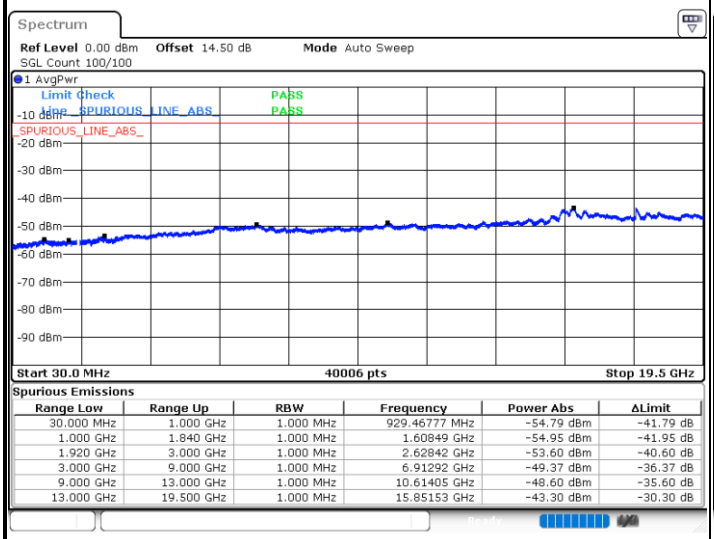
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	943.52574 MHz	-54.61 dBm	-41.61 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58078 GHz	-55.02 dBm	-42.02 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63670 GHz	-53.51 dBm	-40.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92492 GHz	-49.43 dBm	-36.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63855 GHz	-48.75 dBm	-35.75 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.86003 GHz	-43.23 dBm	-30.23 dB

Date: 8.OCT.2023 09:44:28

LTE Band 2 / 3MHz

Lowest Channel / QPSK

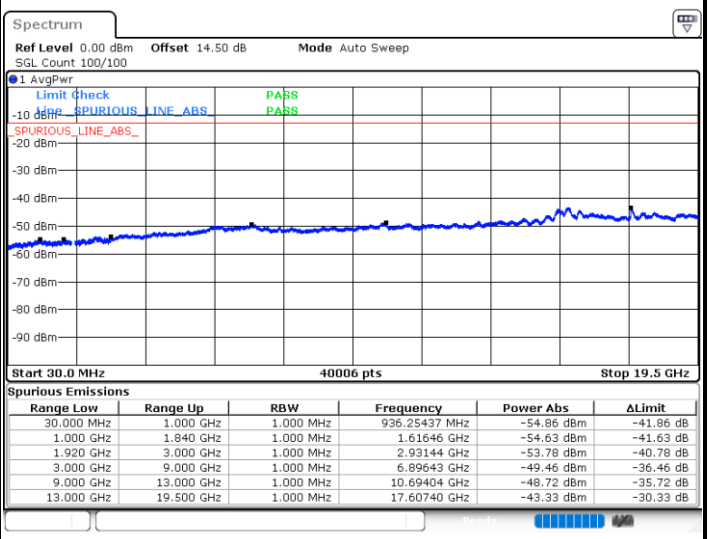


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.46777 MHz	-54.79 dBm	-41.79 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60849 GHz	-54.95 dBm	-41.95 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.62842 GHz	-53.60 dBm	-40.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91292 GHz	-49.37 dBm	-36.37 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61405 GHz	-48.60 dBm	-35.60 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.85153 GHz	-43.30 dBm	-30.30 dB

Date: 8.OCT.2023 09:50:00

Middle Channel / QPSK

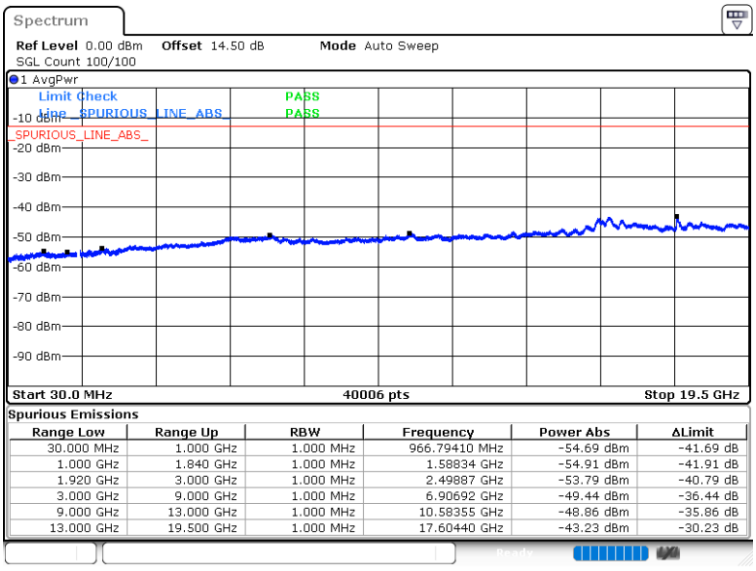


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.25437 MHz	-54.86 dBm	-41.86 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61646 GHz	-54.63 dBm	-41.63 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.93144 GHz	-53.78 dBm	-40.78 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.89643 GHz	-49.46 dBm	-36.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.69404 GHz	-48.72 dBm	-35.72 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60740 GHz	-43.33 dBm	-30.33 dB

Date: 8.OCT.2023 09:53:21

Highest Channel / QPSK



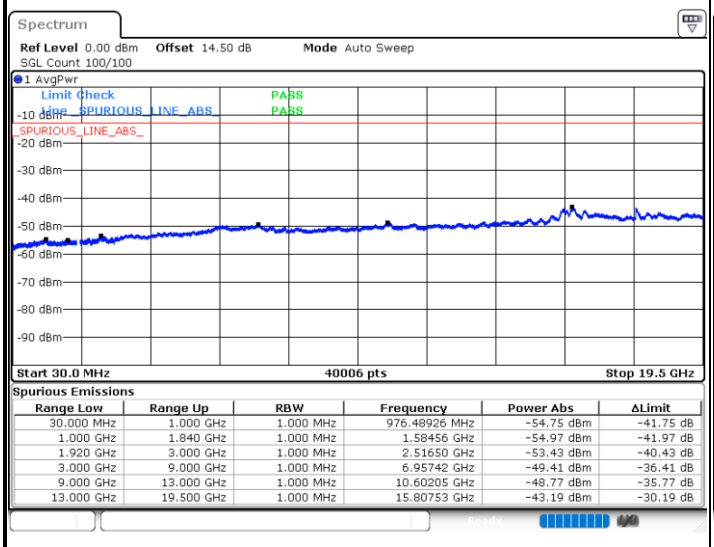
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	966.79410 MHz	-54.69 dBm	-41.69 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58834 GHz	-54.91 dBm	-41.91 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49887 GHz	-53.79 dBm	-40.79 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90692 GHz	-49.44 dBm	-36.44 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58355 GHz	-48.86 dBm	-35.86 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60440 GHz	-43.23 dBm	-30.23 dB

Date: 8.OCT.2023 10:00:15

LTE Band 2 / 5MHz

Lowest Channel / QPSK

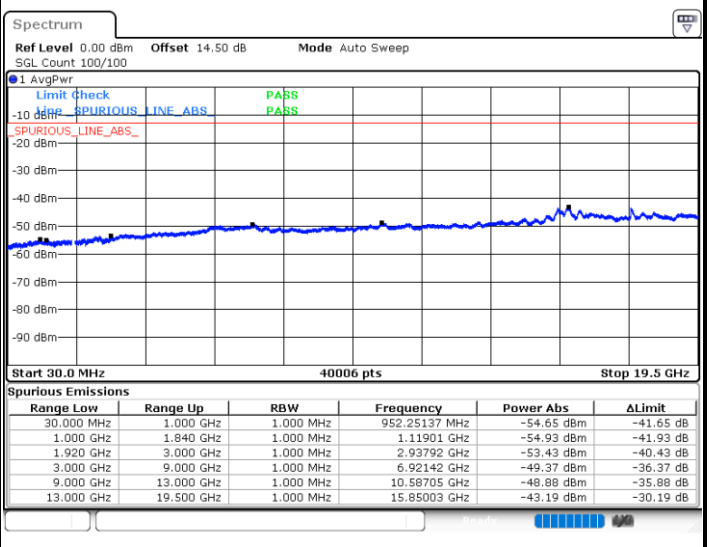


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.48926 MHz	-54.75 dBm	-41.75 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.58456 GHz	-54.97 dBm	-41.97 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51650 GHz	-53.43 dBm	-40.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.95742 GHz	-49.41 dBm	-36.41 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60205 GHz	-48.77 dBm	-35.77 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.80753 GHz	-43.19 dBm	-30.19 dB

Date: 8.OCT.2023 10:03:36

Middle Channel / QPSK

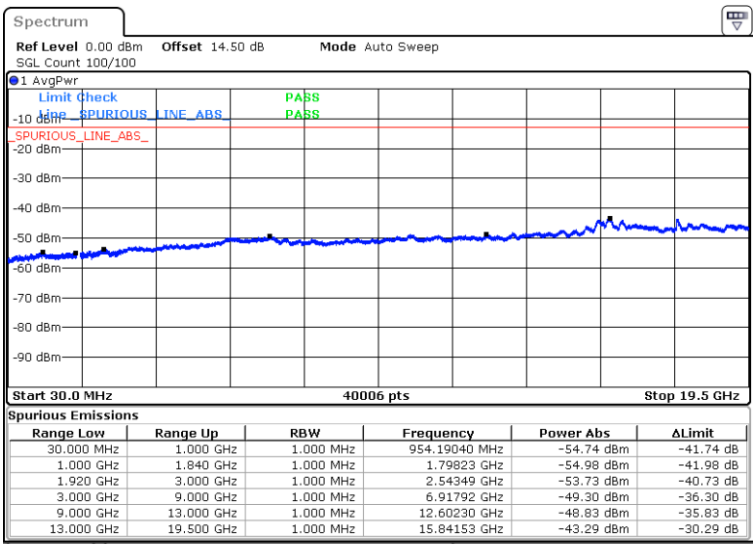


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	952.25137 MHz	-54.65 dBm	-41.65 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.11901 GHz	-54.93 dBm	-41.93 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.93792 GHz	-53.43 dBm	-40.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92142 GHz	-49.37 dBm	-36.37 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58705 GHz	-48.88 dBm	-35.88 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.85003 GHz	-43.19 dBm	-30.19 dB

Date: 8.OCT.2023 10:06:58

Highest Channel / QPSK



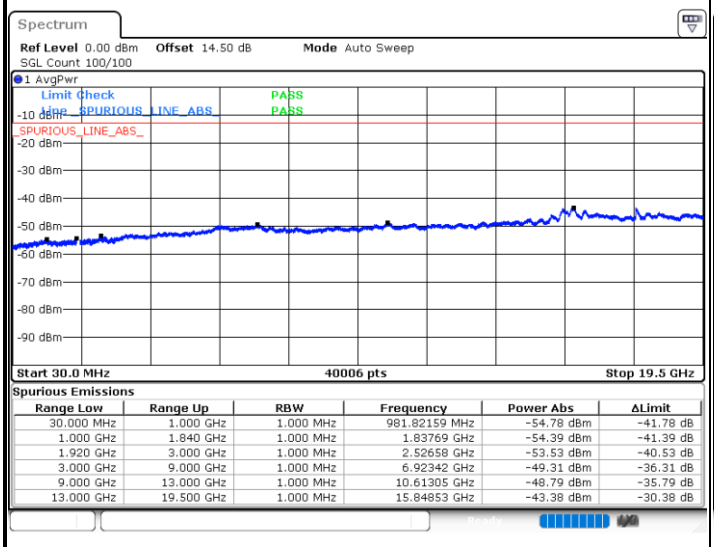
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.19040 MHz	-54.74 dBm	-41.74 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.79823 GHz	-54.98 dBm	-41.98 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.54349 GHz	-53.73 dBm	-40.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91792 GHz	-49.30 dBm	-36.30 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.60230 GHz	-48.83 dBm	-35.83 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.84153 GHz	-43.29 dBm	-30.29 dB

Date: 8.OCT.2023 10:13:56

LTE Band 2 / 10MHz

Lowest Channel / QPSK

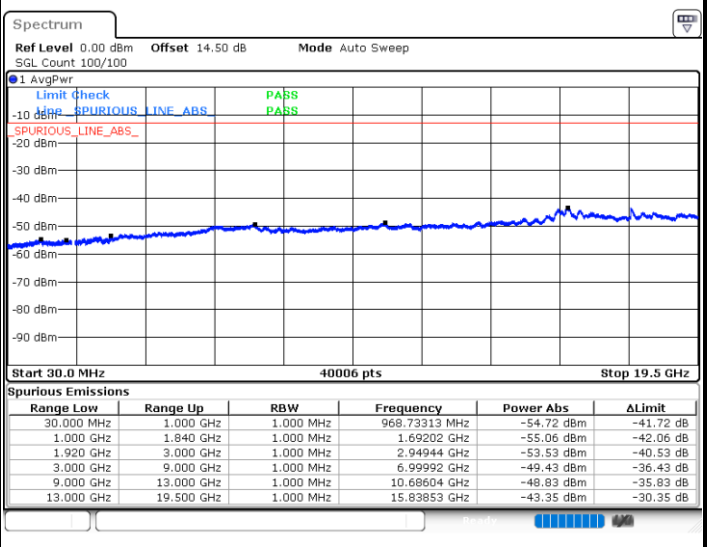


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-54.78 dBm	-41.78 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-54.39 dBm	-41.39 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.52658 GHz	-53.53 dBm	-40.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92342 GHz	-49.31 dBm	-36.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61305 GHz	-48.79 dBm	-35.79 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.84853 GHz	-43.38 dBm	-30.38 dB

Date: 8.OCT.2023 10:19:30

Middle Channel / QPSK

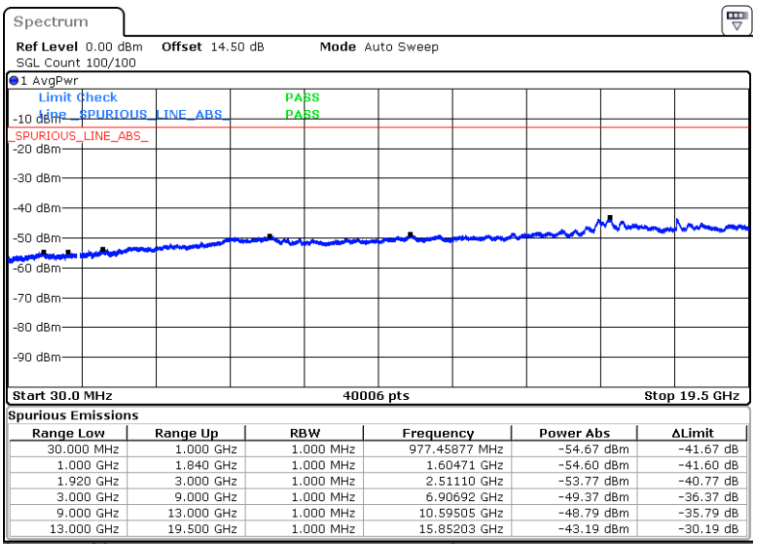


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	968.73313 MHz	-54.72 dBm	-41.72 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69202 GHz	-55.06 dBm	-42.06 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.94944 GHz	-53.53 dBm	-40.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99992 GHz	-49.43 dBm	-36.43 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.68604 GHz	-48.83 dBm	-35.83 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.83853 GHz	-43.35 dBm	-30.35 dB

Date: 8.OCT.2023 10:20:39

Highest Channel / QPSK



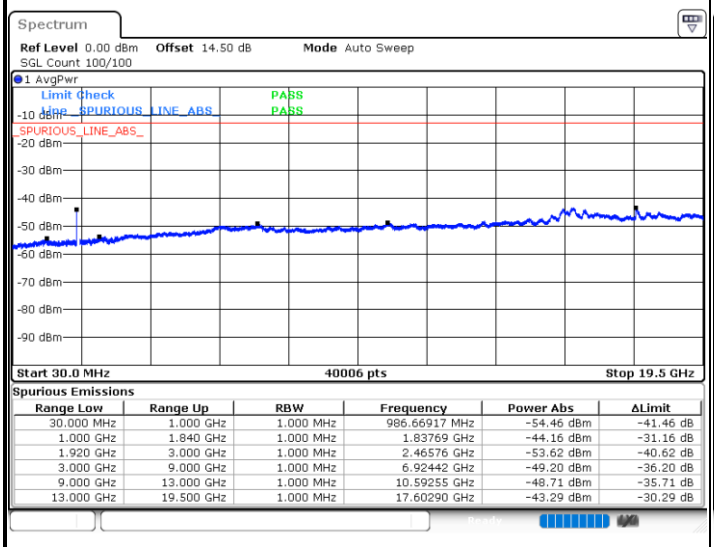
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.45877 MHz	-54.67 dBm	-41.67 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60471 GHz	-54.60 dBm	-41.60 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51110 GHz	-53.77 dBm	-40.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90692 GHz	-49.37 dBm	-36.37 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59505 GHz	-48.79 dBm	-35.79 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.85203 GHz	-43.19 dBm	-30.19 dB

Date: 8.OCT.2023 10:27:34

LTE Band 2 / 15MHz

Lowest Channel / QPSK

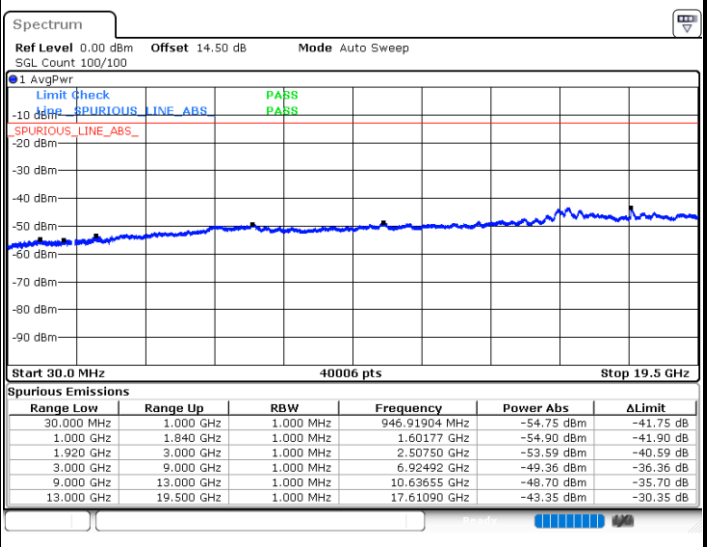


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.66917 MHz	-54.46 dBm	-41.46 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83769 GHz	-44.16 dBm	-31.16 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.46576 GHz	-53.62 dBm	-40.62 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92442 GHz	-49.20 dBm	-36.20 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59255 GHz	-48.71 dBm	-35.71 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.60290 GHz	-43.29 dBm	-30.29 dB

Date: 8.OCT.2023 10:33:07

Middle Channel / QPSK

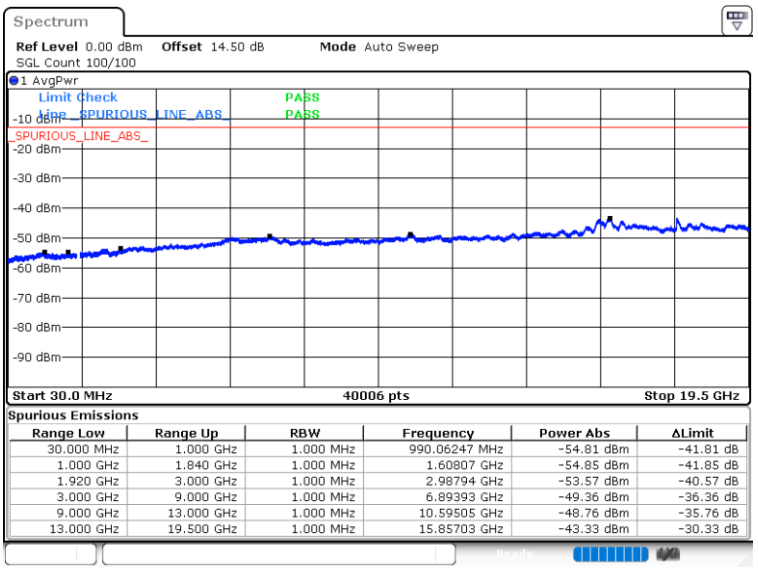


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	946.91904 MHz	-54.75 dBm	-41.75 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60177 GHz	-54.90 dBm	-41.90 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50750 GHz	-53.59 dBm	-40.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92492 GHz	-49.36 dBm	-36.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63655 GHz	-48.70 dBm	-35.70 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61090 GHz	-43.35 dBm	-30.35 dB

Date: 8.OCT.2023 10:34:15

Highest Channel / QPSK



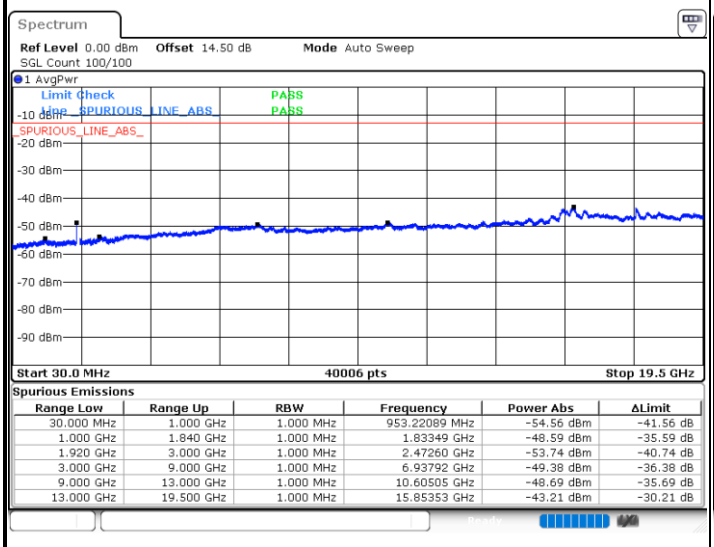
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	990.06247 MHz	-54.81 dBm	-41.81 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.60807 GHz	-54.85 dBm	-41.85 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.98794 GHz	-53.57 dBm	-40.57 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.89393 GHz	-49.36 dBm	-36.36 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.59505 GHz	-48.76 dBm	-35.76 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.85703 GHz	-43.33 dBm	-30.33 dB

Date: 8.OCT.2023 10:41:12

LTE Band 2 / 20MHz

Lowest Channel / QPSK

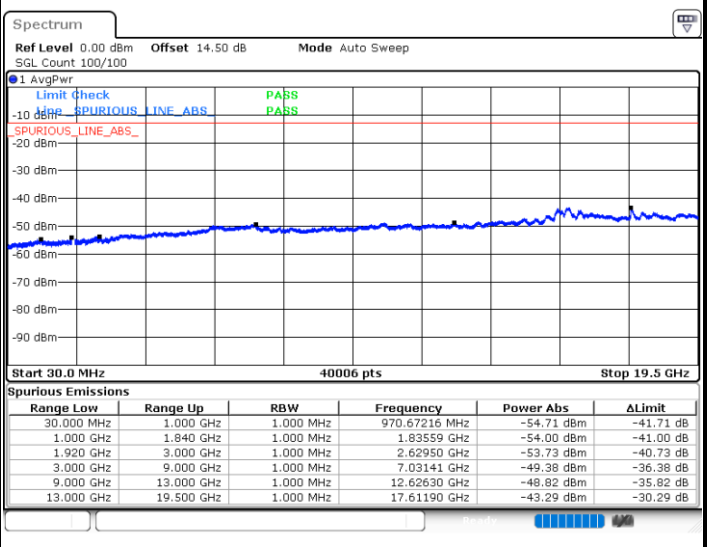


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.22089 MHz	-54.56 dBm	-41.56 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83349 GHz	-48.59 dBm	-35.59 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.47260 GHz	-53.74 dBm	-40.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93792 GHz	-49.38 dBm	-36.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.60505 GHz	-48.69 dBm	-35.69 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.85353 GHz	-43.21 dBm	-30.21 dB

Date: 8.OCT.2023 10:46:45

Middle Channel / QPSK

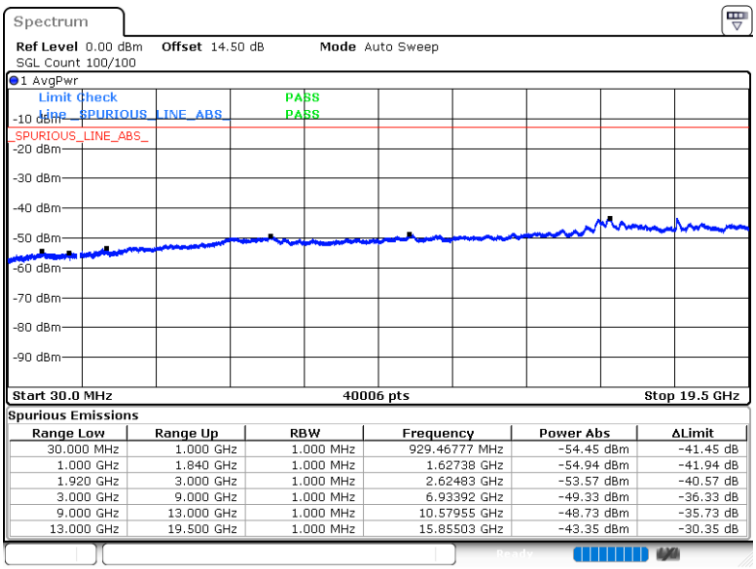


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.67216 MHz	-54.71 dBm	-41.71 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83559 GHz	-54.00 dBm	-41.00 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.62950 GHz	-53.73 dBm	-40.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.03141 GHz	-49.38 dBm	-36.38 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.62630 GHz	-48.82 dBm	-35.82 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.61190 GHz	-43.29 dBm	-30.29 dB

Date: 8.OCT.2023 10:47:53

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	929.46777 MHz	-54.45 dBm	-41.45 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.62738 GHz	-54.94 dBm	-41.94 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.62483 GHz	-53.57 dBm	-40.57 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93392 GHz	-49.33 dBm	-36.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.57955 GHz	-48.73 dBm	-35.73 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.85503 GHz	-43.35 dBm	-30.35 dB

Date: 8.OCT.2023 10:56:15

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

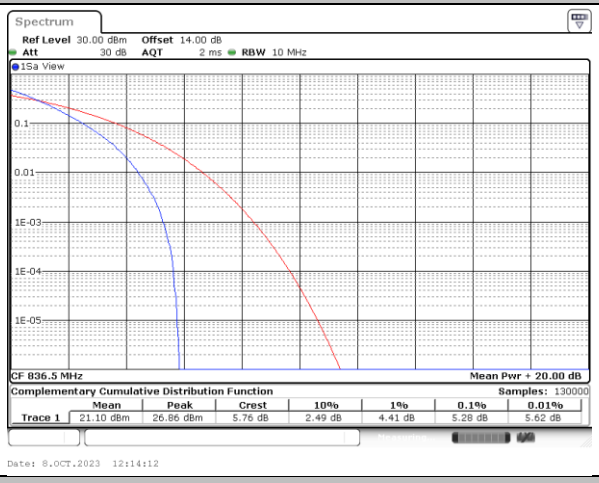
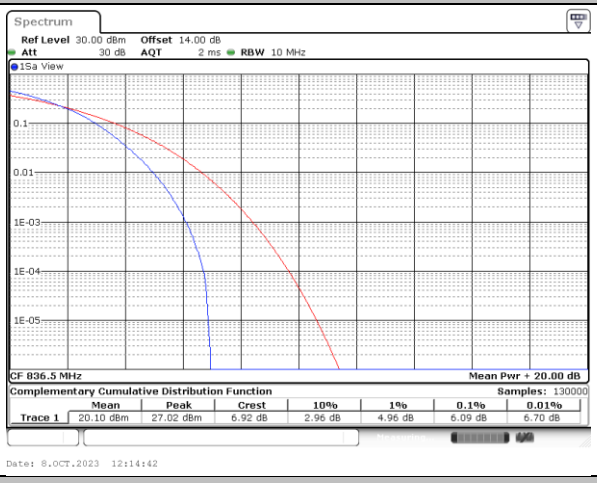
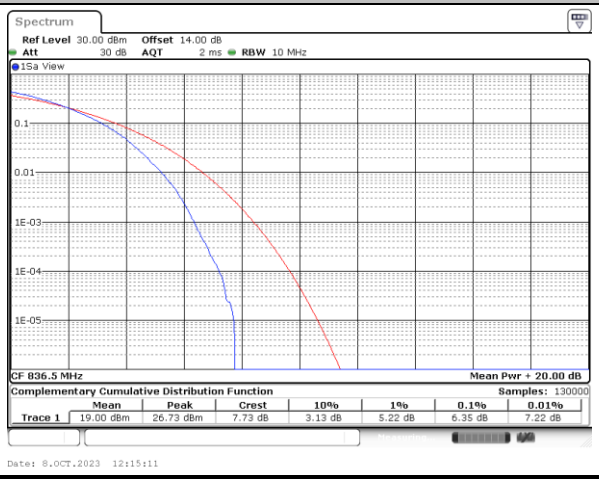
Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 5

Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.28	6.09	6.35	PASS

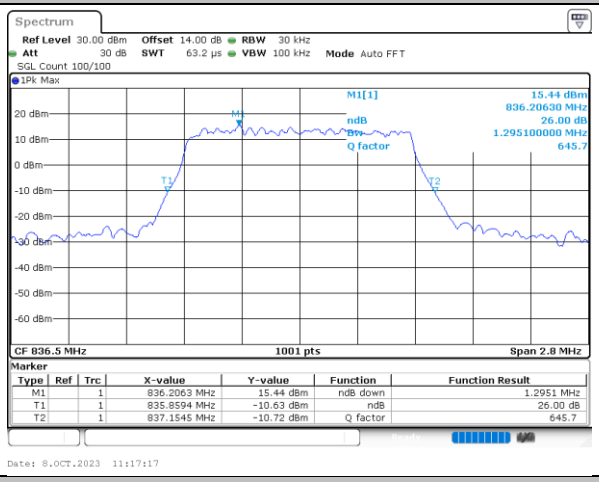
LTE Band 5 / 10MHz / QPSK	LTE Band 5 / 10MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 5 / 10MHz / 64QAM	
Middle Channel / Full RB	
	

26dB Bandwidth

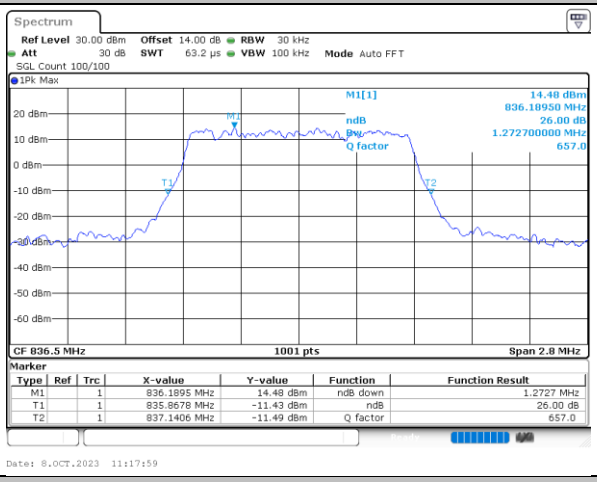
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.30	1.27	2.99	2.98	4.91	4.85	9.91	9.75	-	-	-	-

LTE Band 5

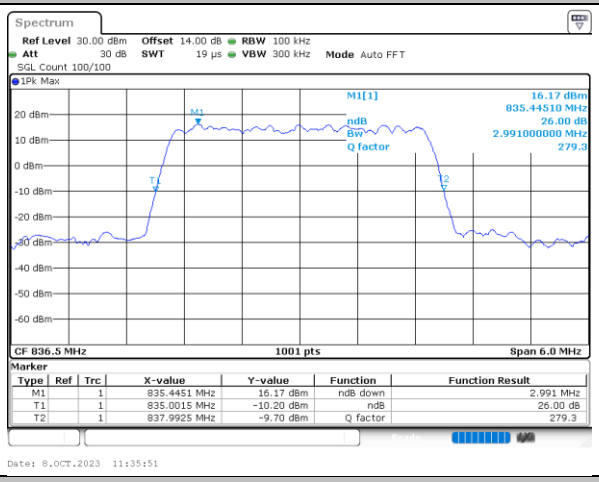
Middle Channel / 1.4MHz / QPSK



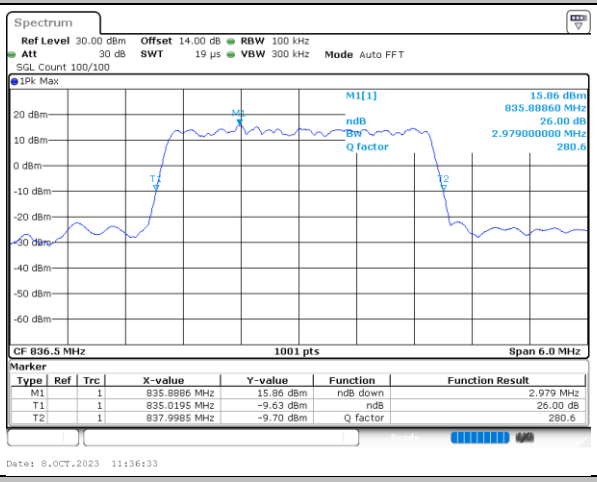
Middle Channel / 1.4MHz / 16QAM



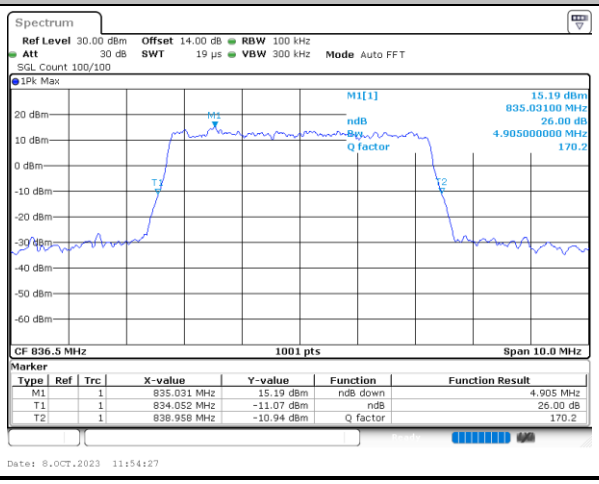
Middle Channel / 3MHz / QPSK



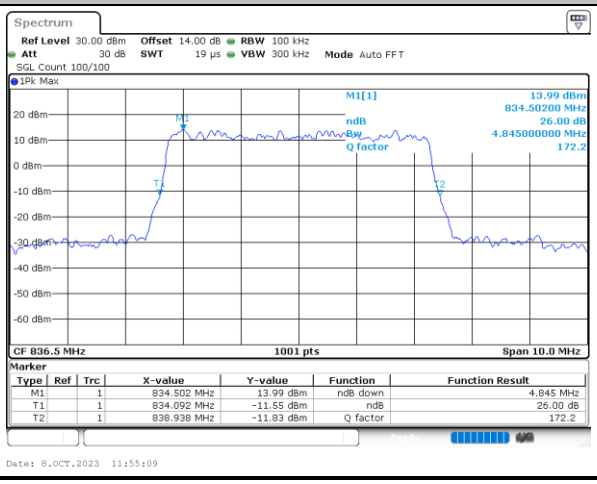
Middle Channel / 3MHz / 16QAM

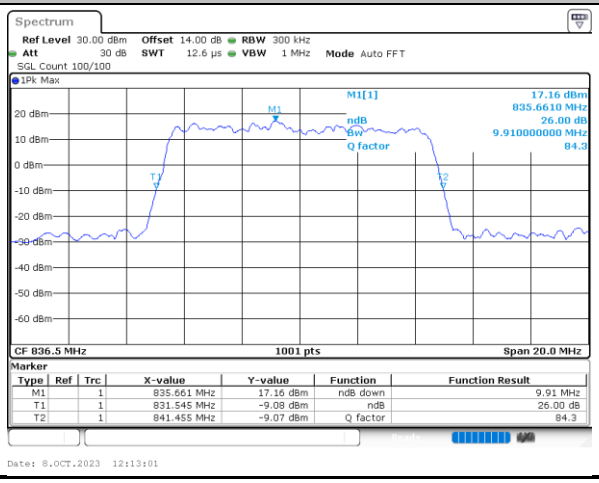
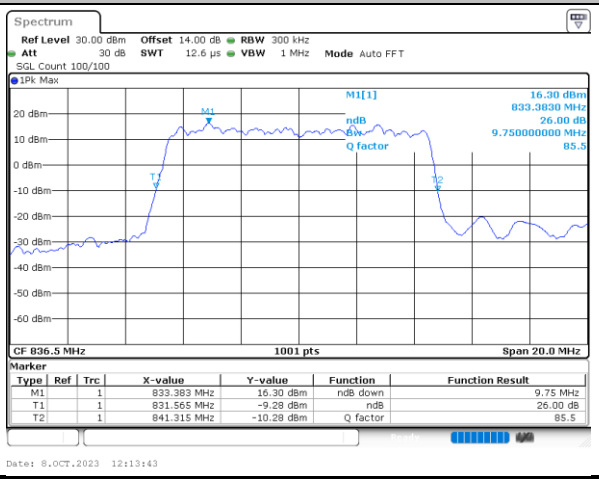


Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM



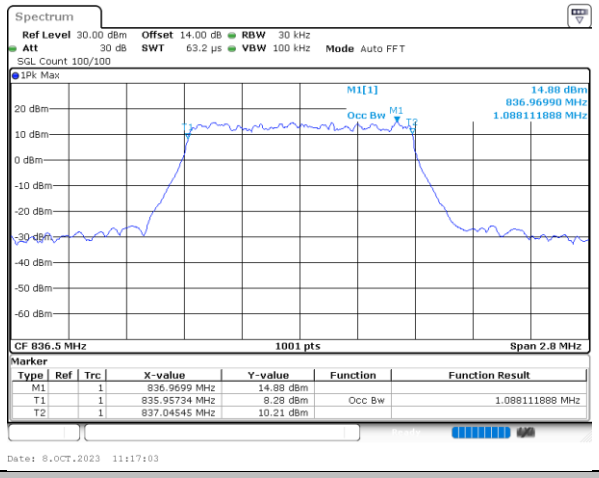
LTE Band 5	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

Occupied Bandwidth

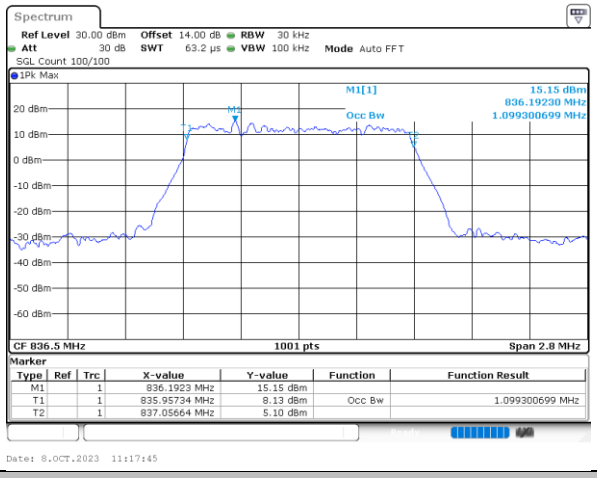
Mode	LTE Band 5 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.10	2.72	2.71	4.51	4.48	9.05	9.05	-	-	-	-

LTE Band 5

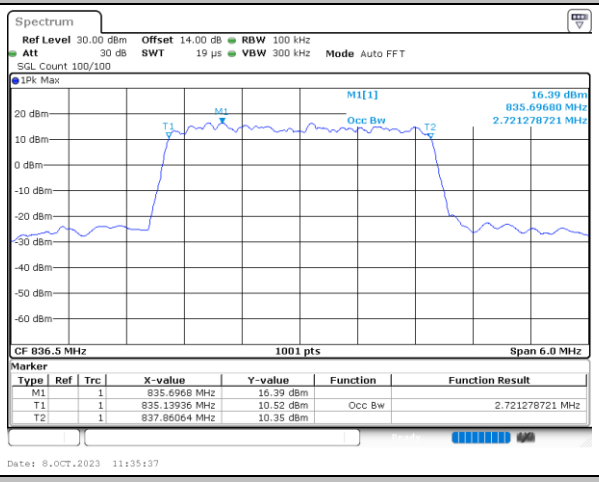
Middle Channel / 1.4MHz / QPSK



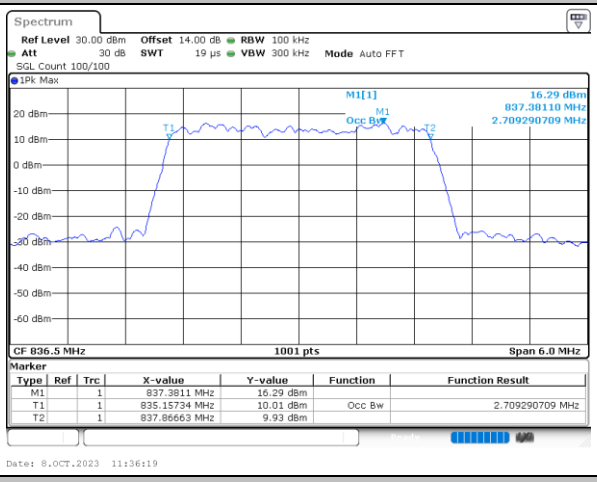
Middle Channel / 1.4MHz / 16QAM



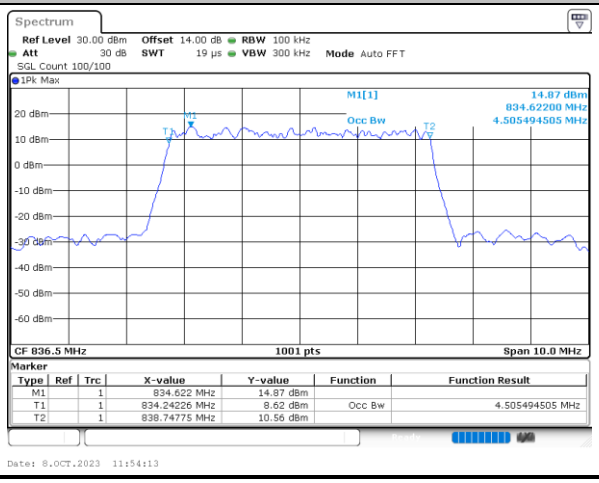
Middle Channel / 3MHz / QPSK



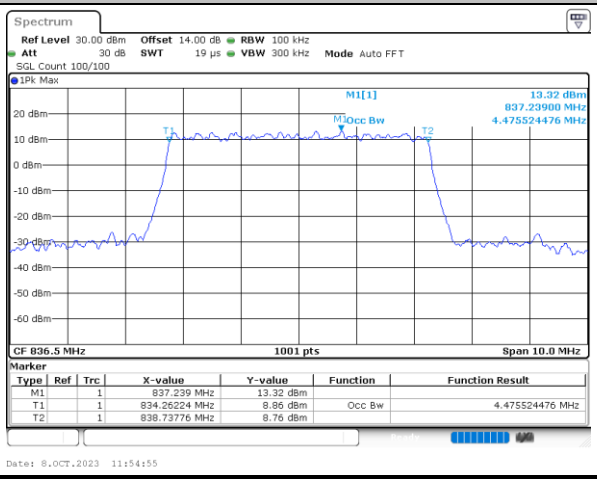
Middle Channel / 3MHz / 16QAM

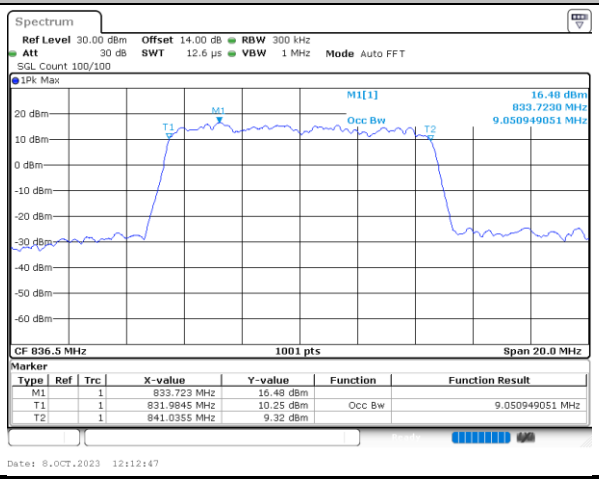
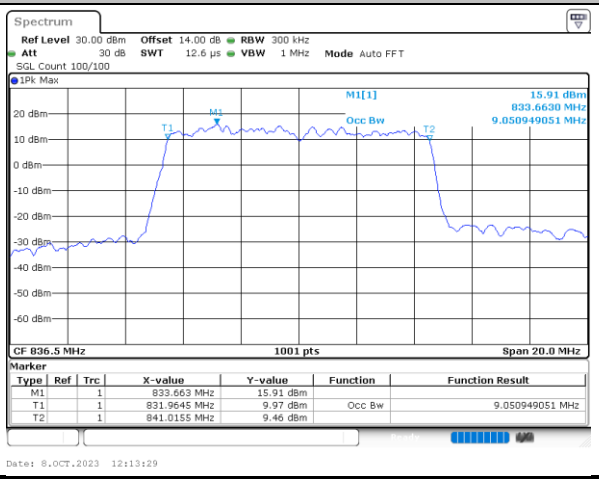


Middle Channel / 5MHz / QPSK



Middle Channel / 5MHz / 16QAM

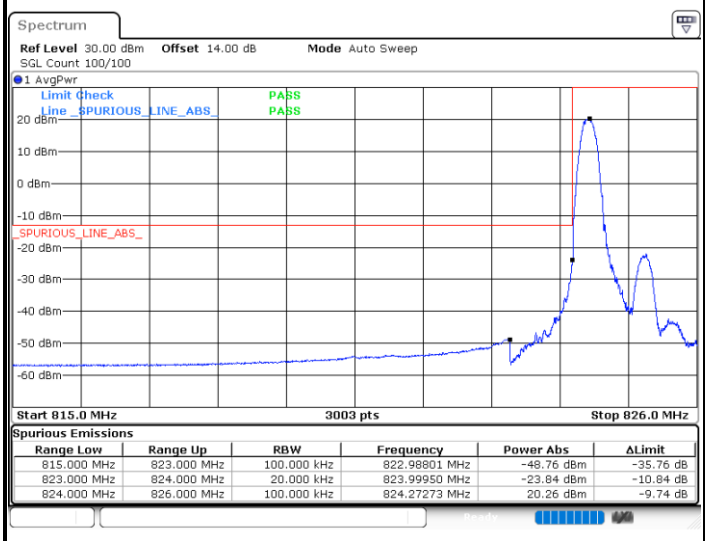


LTE Band 5	
Middle Channel / 10MHz / QPSK	**Middle Channel / 10MHz / 16QAM**
	

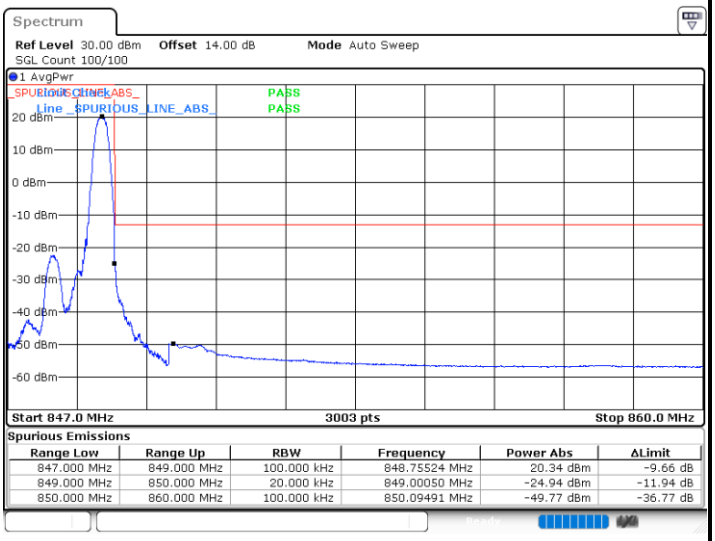
Conducted Band Edge

LTE Band 5 / 1.4MHz / QPSK

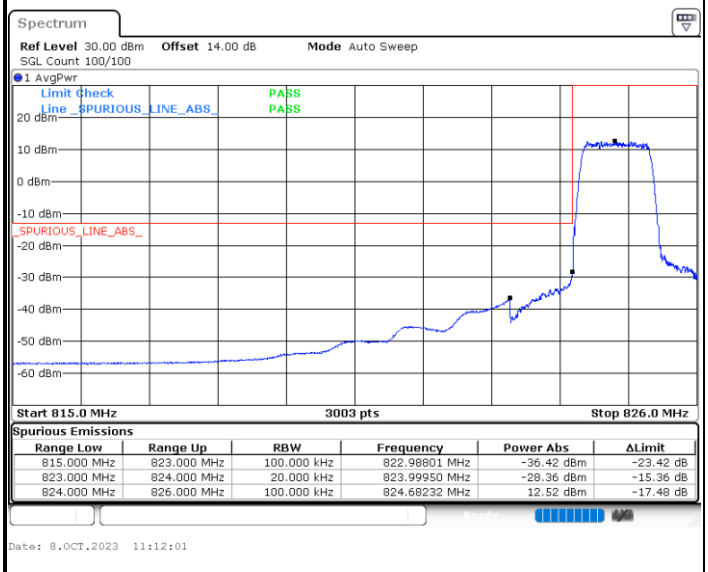
Lowest Band Edge / 1RB



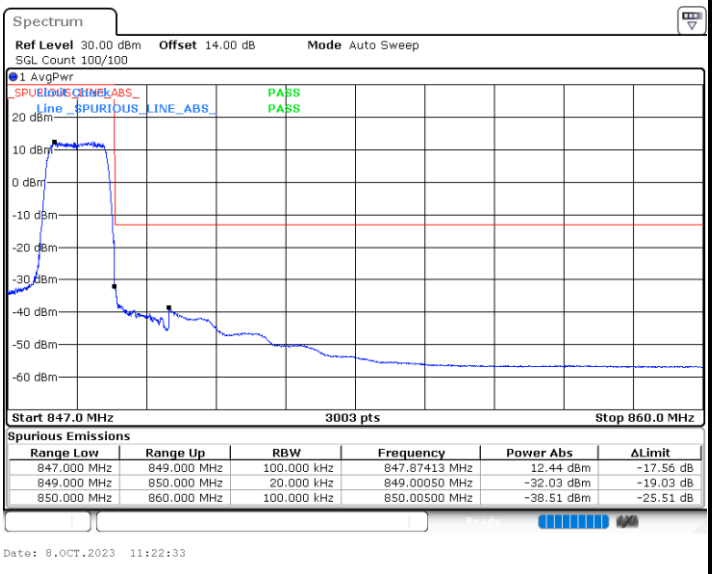
Highest Band Edge / 1RB



Lowest Band Edge / Full RB

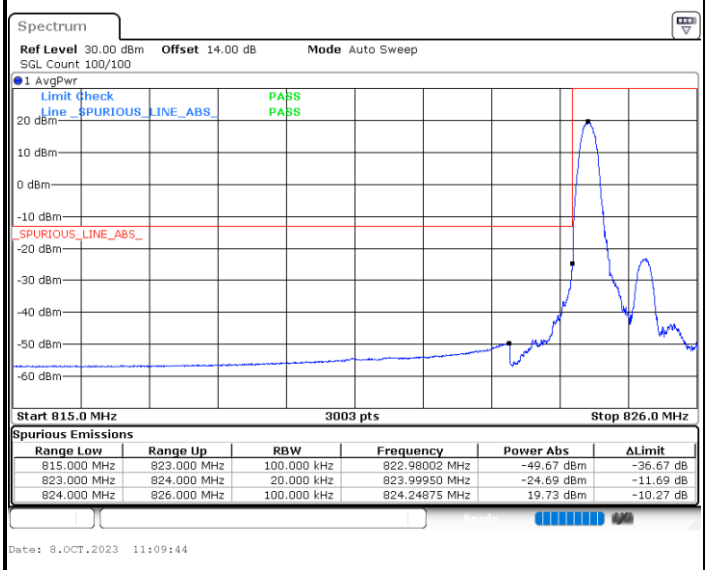


Highest Band Edge / Full RB

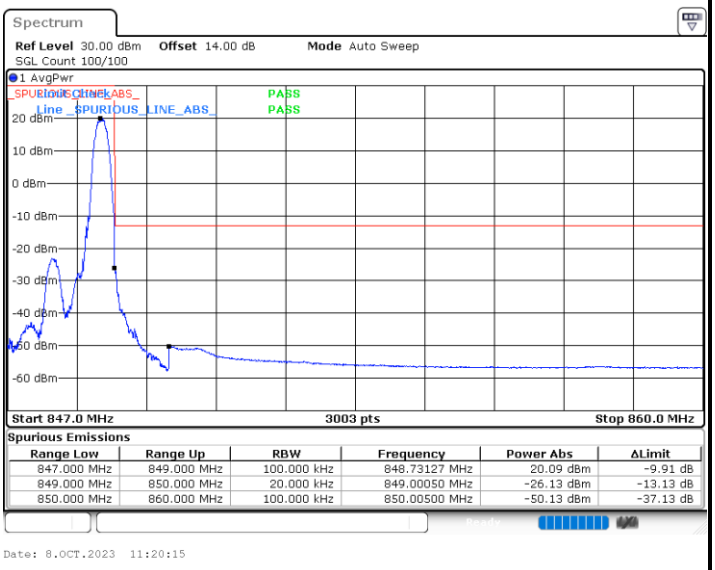


LTE Band 5 / 1.4MHz / 16QAM

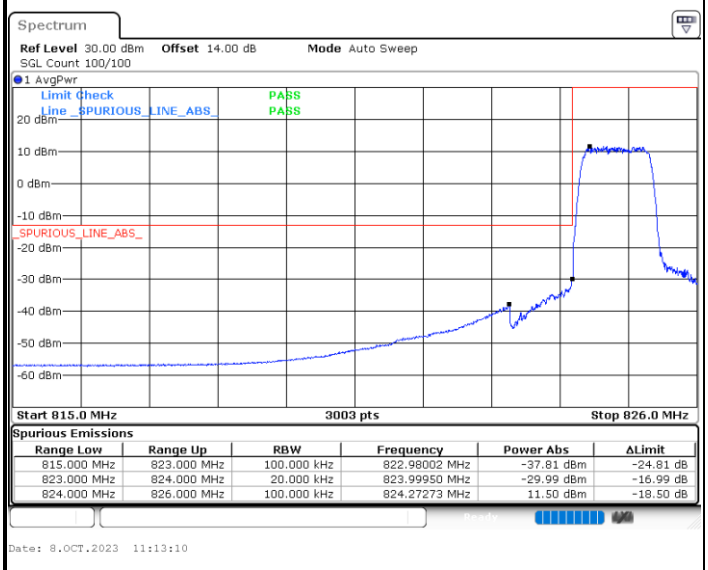
Lowest Band Edge / 1 RB



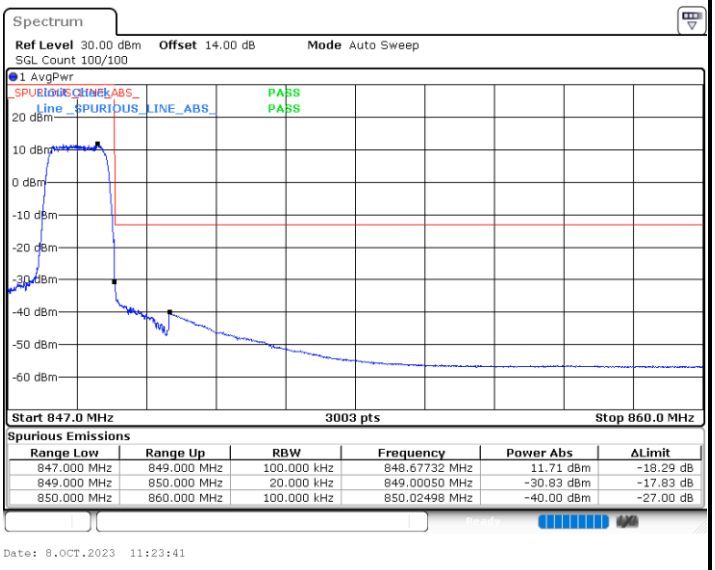
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

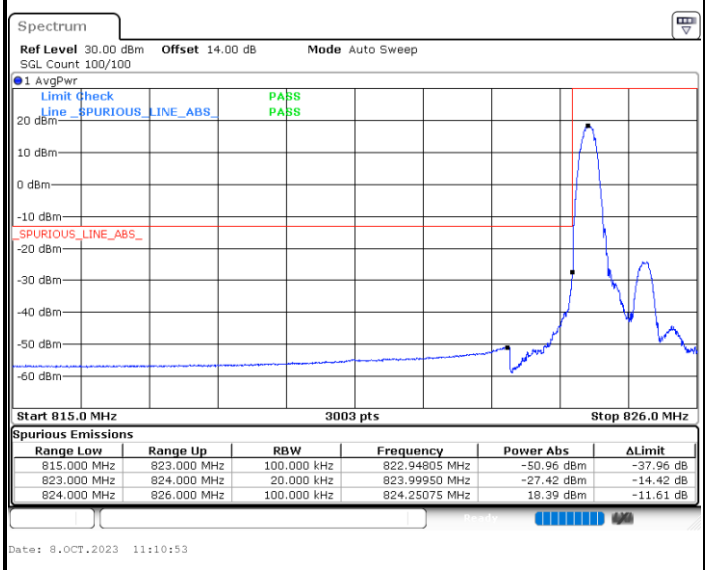


Highest Band Edge / Full RB



LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

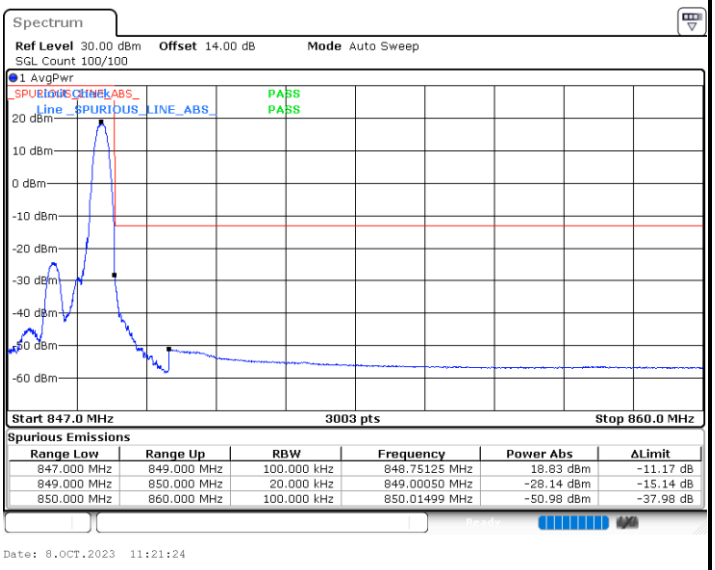


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.94805 MHz	-50.96 dBm	-37.96 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-27.42 dBm	-14.42 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.25075 MHz	18.39 dBm	-11.61 dB

Date: 8.OCT.2023 11:10:53

Highest Band Edge / 1 RB

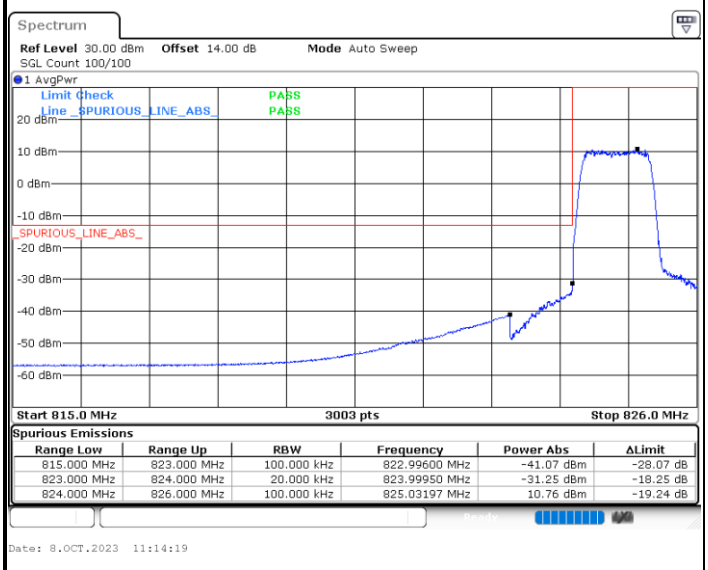


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.75125 MHz	18.83 dBm	-11.17 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-28.14 dBm	-15.14 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-50.98 dBm	-37.98 dB

Date: 8.OCT.2023 11:21:24

Lowest Band Edge / Full RB

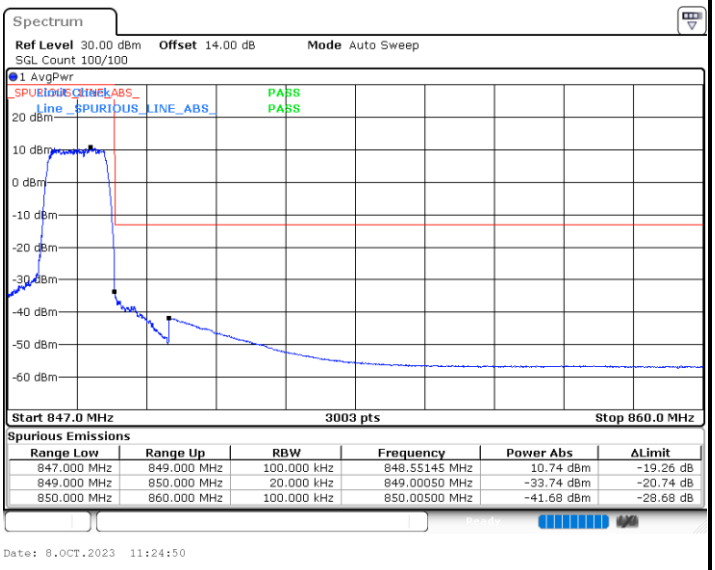


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-41.07 dBm	-28.07 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-31.25 dBm	-18.25 dB
824.000 MHz	826.000 MHz	100.000 kHz	825.03197 MHz	10.76 dBm	-19.24 dB

Date: 8.OCT.2023 11:14:19

Highest Band Edge / Full RB



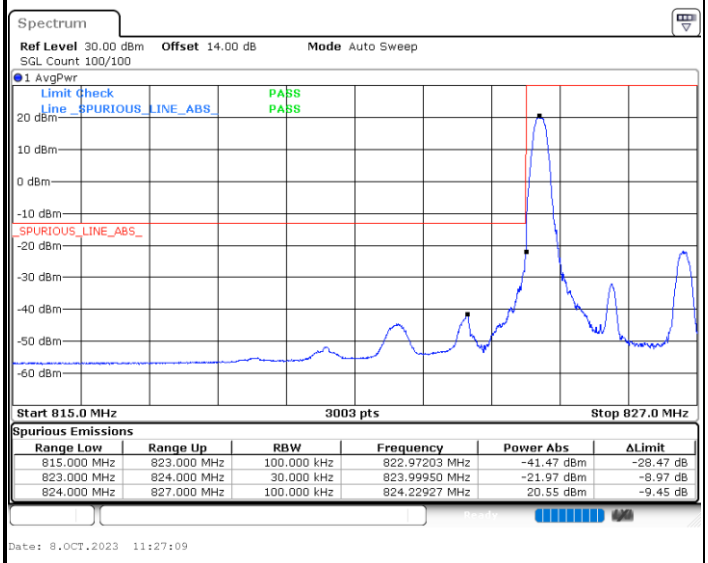
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.55145 MHz	10.74 dBm	-19.26 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-33.74 dBm	-20.74 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-41.68 dBm	-28.68 dB

Date: 8.OCT.2023 11:24:50

LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB

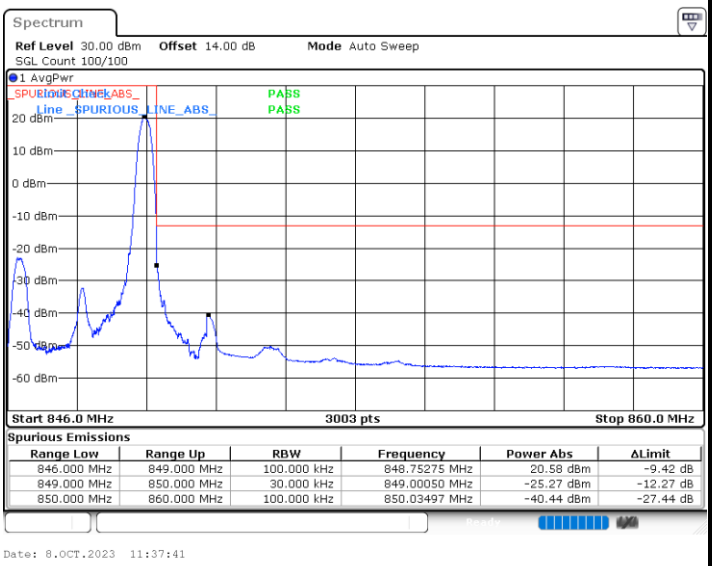


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-41.47 dBm	-28.47 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-21.97 dBm	-8.97 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.22927 MHz	20.55 dBm	-9.45 dB

Date: 8.OCT.2023 11:27:09

Highest Band Edge / 1RB

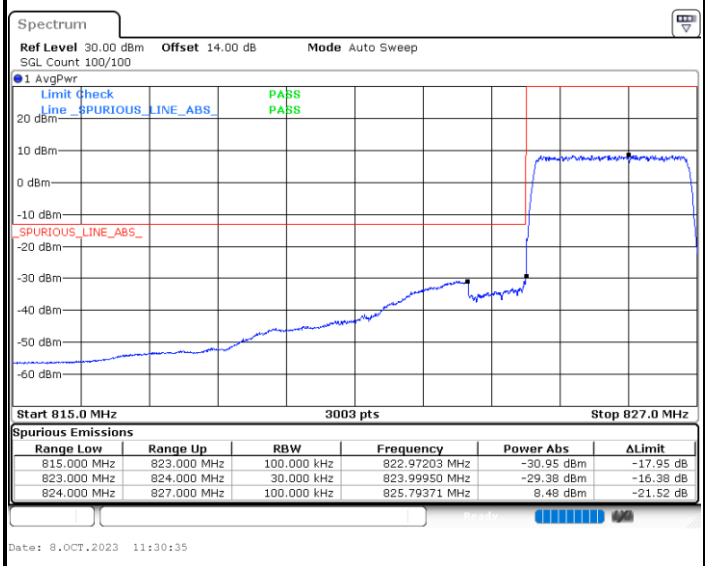


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.75275 MHz	20.58 dBm	-9.42 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-25.27 dBm	-12.27 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-40.44 dBm	-27.44 dB

Date: 8.OCT.2023 11:37:41

Lowest Band Edge / Full RB

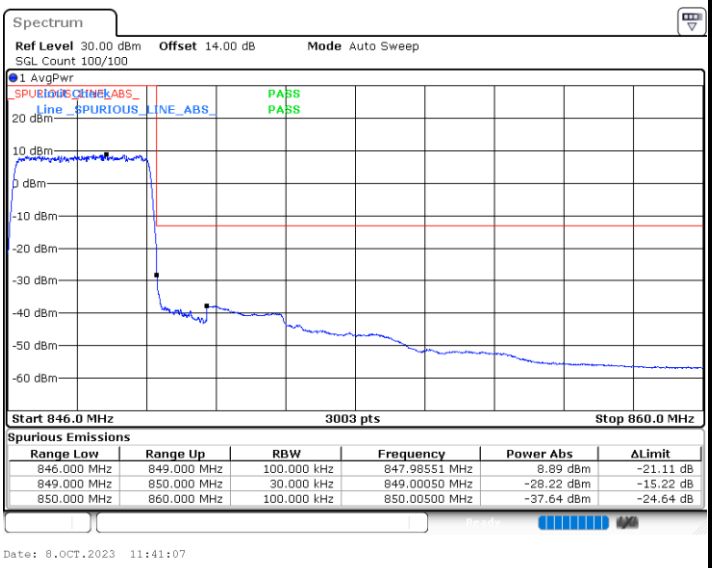


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-30.95 dBm	-17.95 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-29.38 dBm	-16.38 dB
824.000 MHz	827.000 MHz	100.000 kHz	825.79371 MHz	8.48 dBm	-21.52 dB

Date: 8.OCT.2023 11:30:35

Highest Band Edge / Full RB



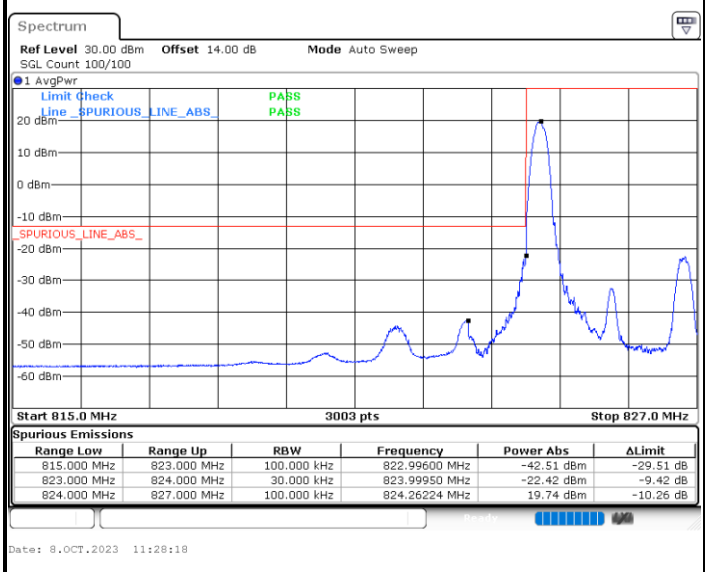
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	847.98551 MHz	8.89 dBm	-21.11 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-28.22 dBm	-15.22 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-37.64 dBm	-24.64 dB

Date: 8.OCT.2023 11:41:07

LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

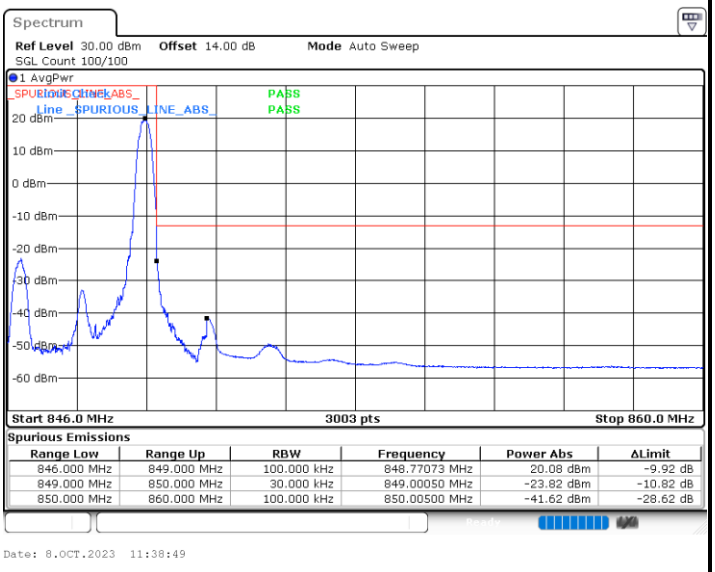


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-42.51 dBm	-29.51 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-22.42 dBm	-9.42 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.26224 MHz	19.74 dBm	-10.26 dB

Date: 8.OCT.2023 11:28:18

Highest Band Edge / 1 RB

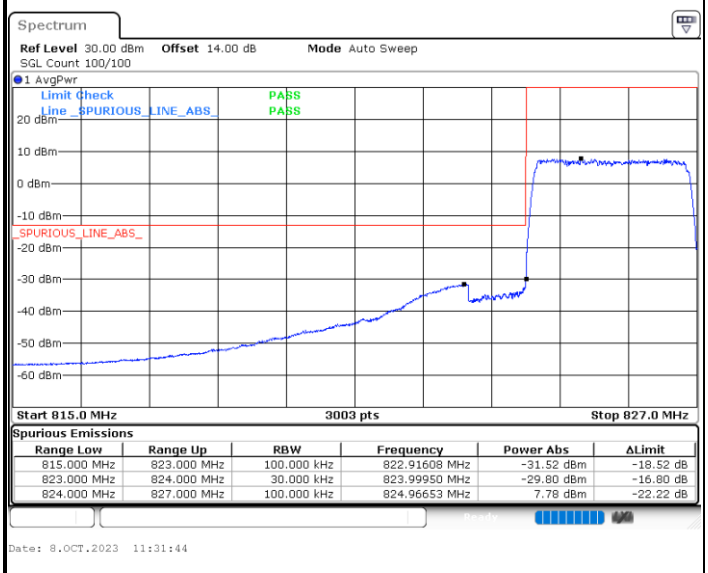


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.77073 MHz	20.08 dBm	-9.92 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-23.82 dBm	-10.82 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-41.62 dBm	-28.62 dB

Date: 8.OCT.2023 11:38:49

Lowest Band Edge / Full RB

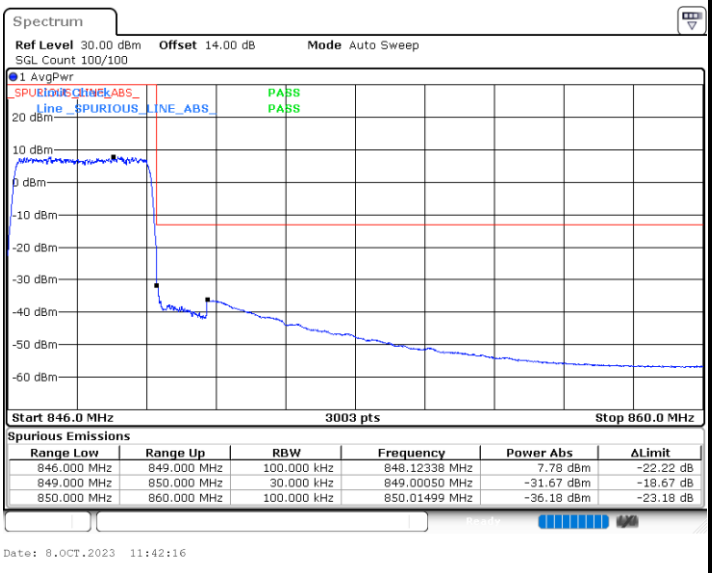


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.91608 MHz	-31.52 dBm	-18.52 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-29.80 dBm	-16.80 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.96653 MHz	7.78 dBm	-22.22 dB

Date: 8.OCT.2023 11:31:44

Highest Band Edge / Full RB



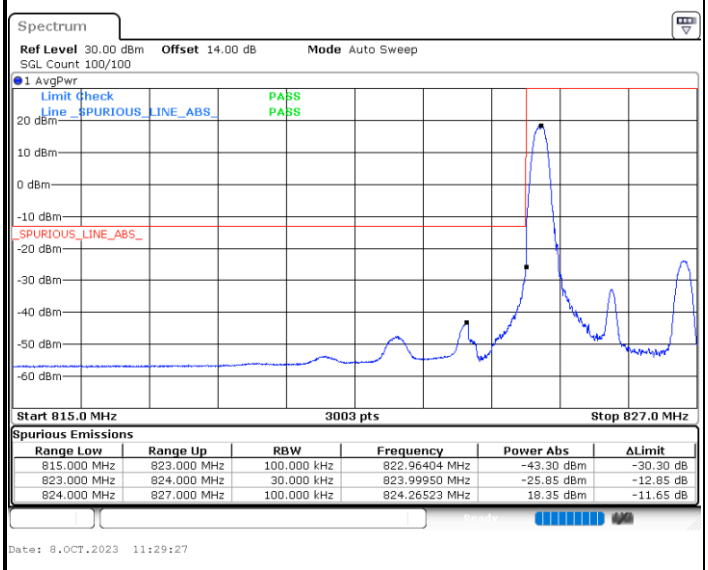
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.12338 MHz	7.78 dBm	-22.22 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-31.67 dBm	-18.67 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-36.18 dBm	-23.18 dB

Date: 8.OCT.2023 11:42:16

LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

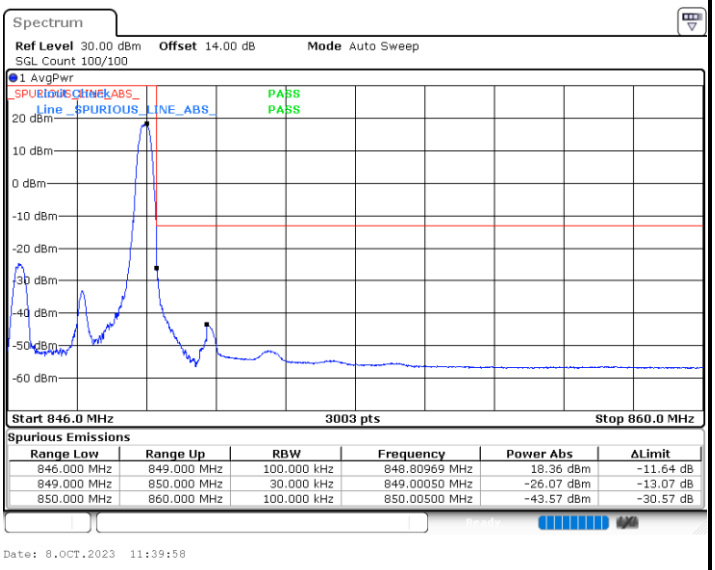


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.96404 MHz	-43.30 dBm	-30.30 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-25.85 dBm	-12.85 dB
824.000 MHz	827.000 MHz	100.000 kHz	824.26523 MHz	18.35 dBm	-11.65 dB

Date: 8.OCT.2023 11:29:27

Highest Band Edge / 1 RB

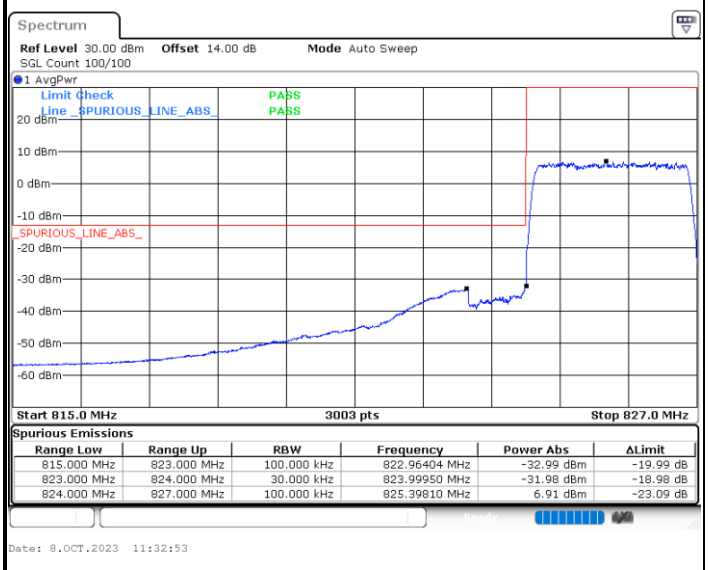


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	848.80969 MHz	18.36 dBm	-11.64 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-26.07 dBm	-13.07 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-43.57 dBm	-30.57 dB

Date: 8.OCT.2023 11:39:58

Lowest Band Edge / Full RB

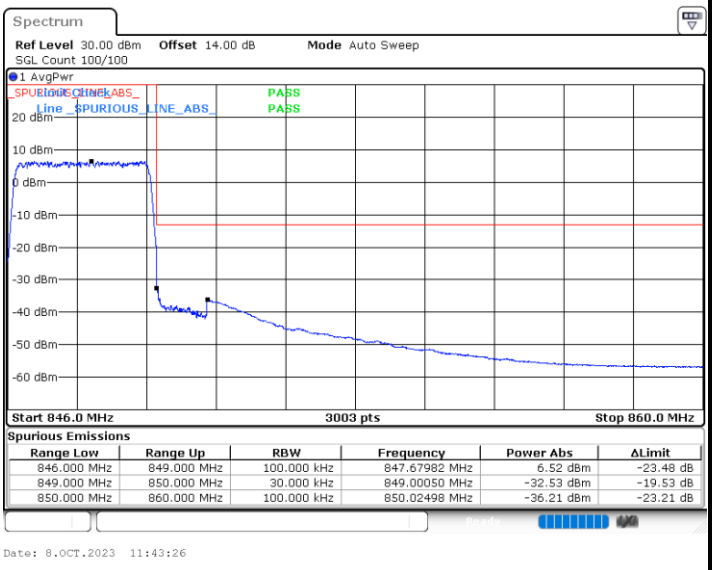


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.96404 MHz	-32.99 dBm	-19.99 dB
823.000 MHz	824.000 MHz	30.000 kHz	823.99950 MHz	-31.98 dBm	-18.98 dB
824.000 MHz	827.000 MHz	100.000 kHz	825.39810 MHz	6.91 dBm	-23.09 dB

Date: 8.OCT.2023 11:32:53

Highest Band Edge / Full RB



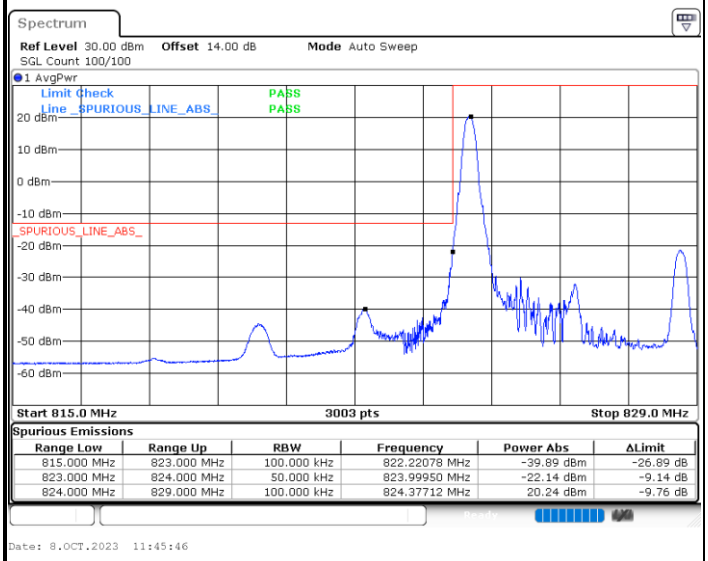
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
846.000 MHz	849.000 MHz	100.000 kHz	847.67982 MHz	6.52 dBm	-23.48 dB
849.000 MHz	850.000 MHz	30.000 kHz	849.00050 MHz	-32.53 dBm	-19.53 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-36.21 dBm	-23.21 dB

Date: 8.OCT.2023 11:43:26

LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1RB

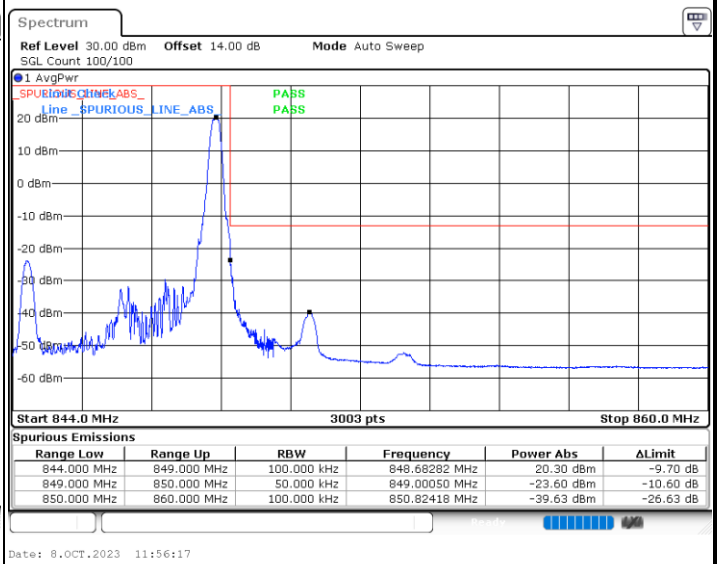


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.22078 MHz	-39.89 dBm	-26.89 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-22.14 dBm	-9.14 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.37712 MHz	20.24 dBm	-9.76 dB

Date: 8.OCT.2023 11:45:46

Highest Band Edge / 1RB

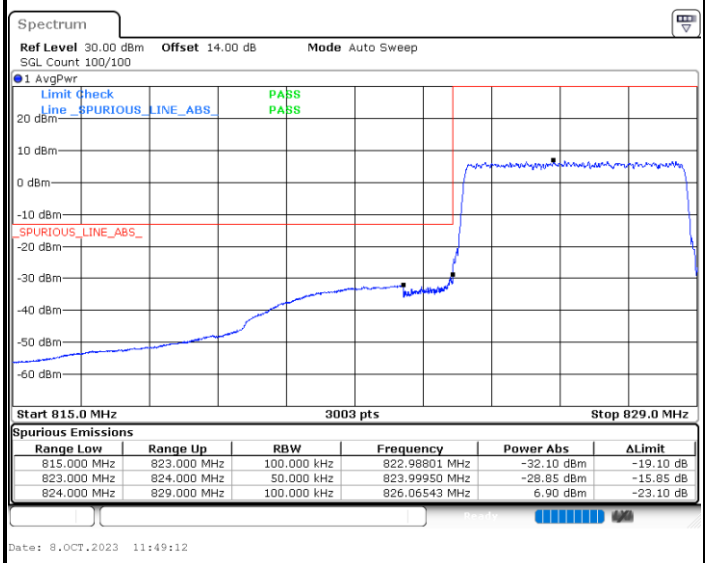


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.68282 MHz	20.30 dBm	-9.70 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-23.60 dBm	-10.60 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.82418 MHz	-39.63 dBm	-26.63 dB

Date: 8.OCT.2023 11:56:17

Lowest Band Edge / Full RB

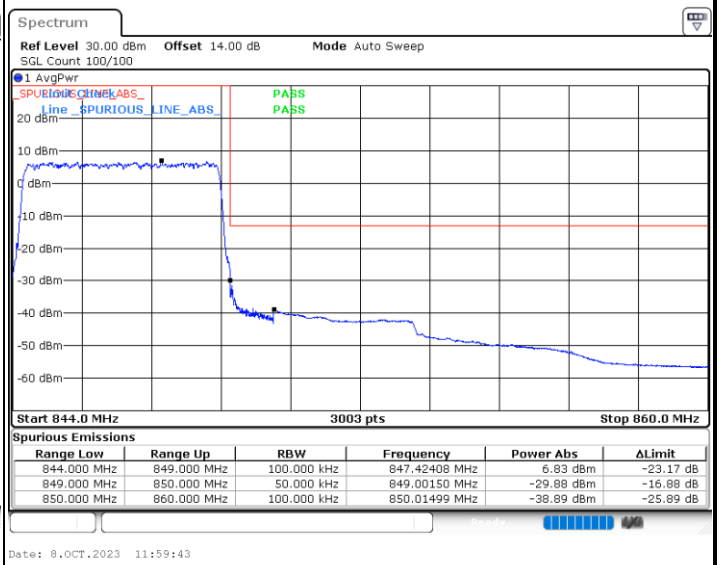


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-32.10 dBm	-19.10 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-28.85 dBm	-15.85 dB
824.000 MHz	829.000 MHz	100.000 kHz	826.06543 MHz	6.90 dBm	-23.10 dB

Date: 8.OCT.2023 11:49:12

Highest Band Edge / Full RB



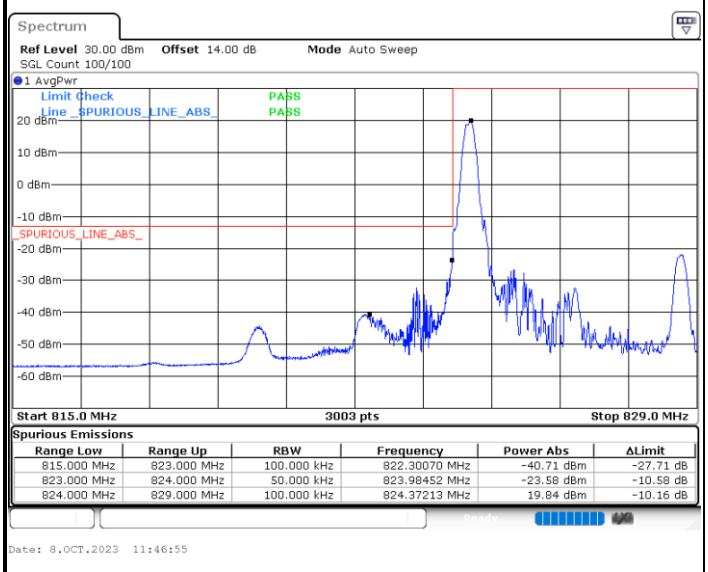
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	847.42408 MHz	6.83 dBm	-23.17 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00150 MHz	-29.88 dBm	-16.88 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-38.89 dBm	-25.89 dB

Date: 8.OCT.2023 11:59:43

LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

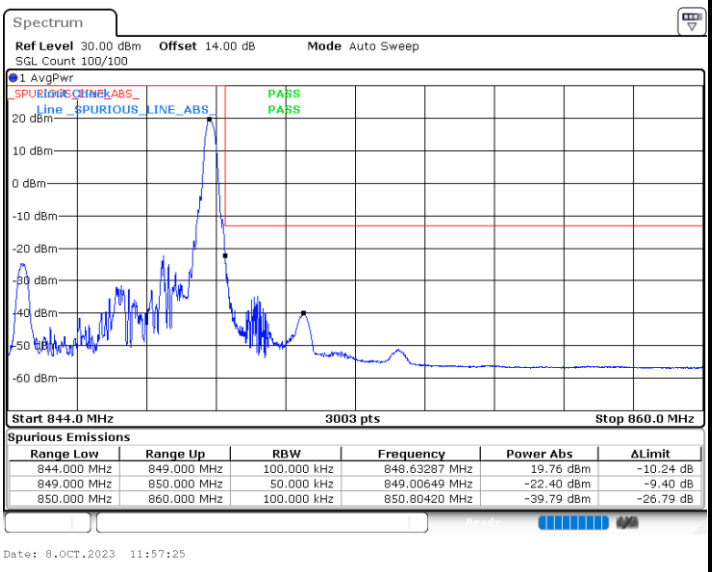


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.30070 MHz	-40.71 dBm	-27.71 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.98452 MHz	-23.58 dBm	-10.58 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.37213 MHz	19.84 dBm	-10.16 dB

Date: 8.OCT.2023 11:46:55

Highest Band Edge / 1 RB

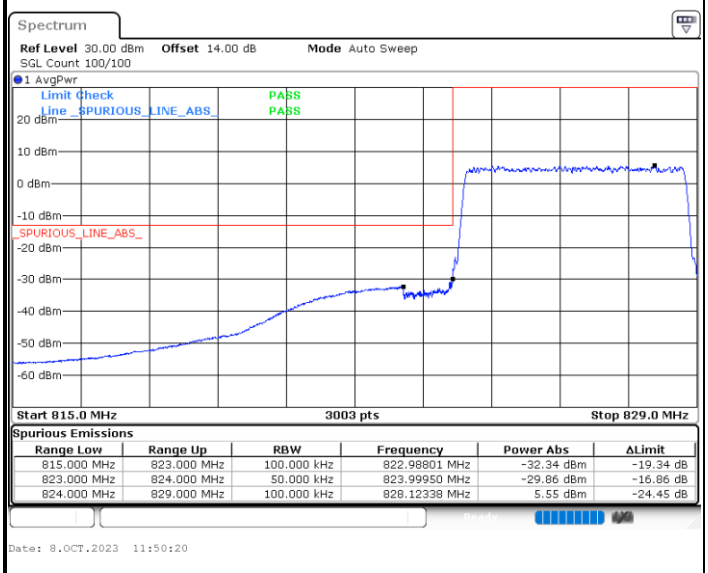


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.63287 MHz	19.76 dBm	-10.24 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00649 MHz	-22.40 dBm	-9.40 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.80420 MHz	-39.79 dBm	-26.79 dB

Date: 8.OCT.2023 11:57:25

Lowest Band Edge / Full RB

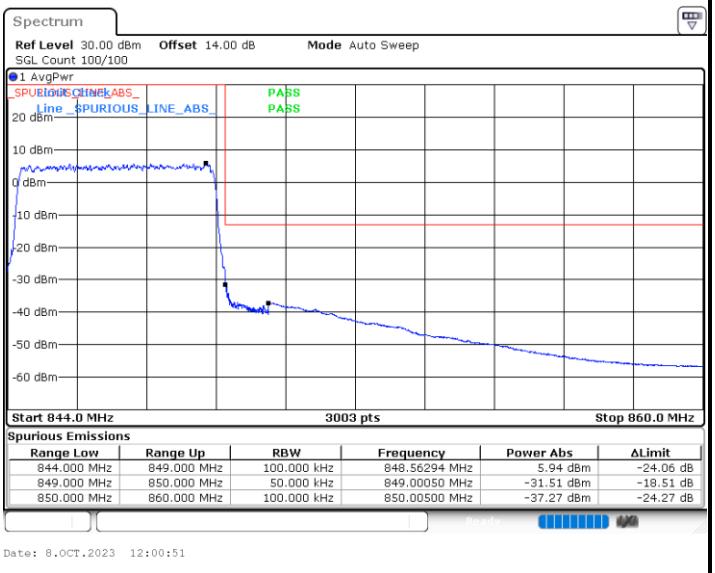


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-32.34 dBm	-19.34 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-29.86 dBm	-16.86 dB
824.000 MHz	829.000 MHz	100.000 kHz	828.12338 MHz	5.55 dBm	-24.45 dB

Date: 8.OCT.2023 11:50:20

Highest Band Edge / Full RB



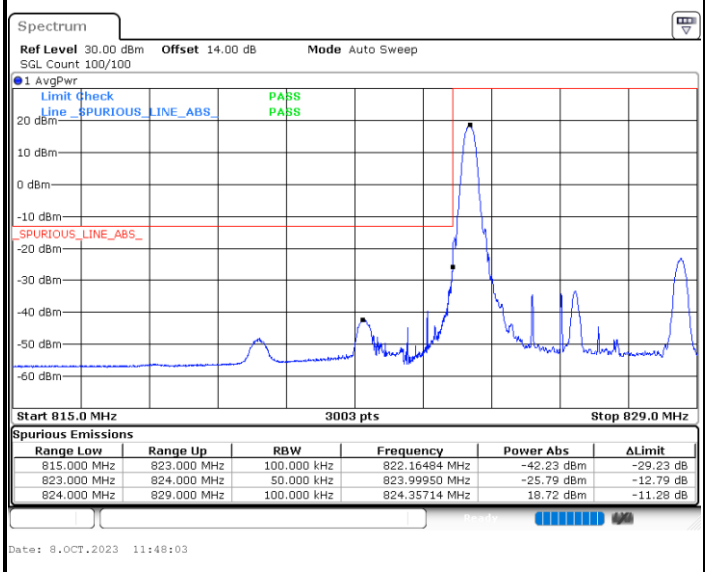
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.56294 MHz	5.94 dBm	-24.06 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-31.51 dBm	-18.51 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-37.27 dBm	-24.27 dB

Date: 8.OCT.2023 12:00:51

LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

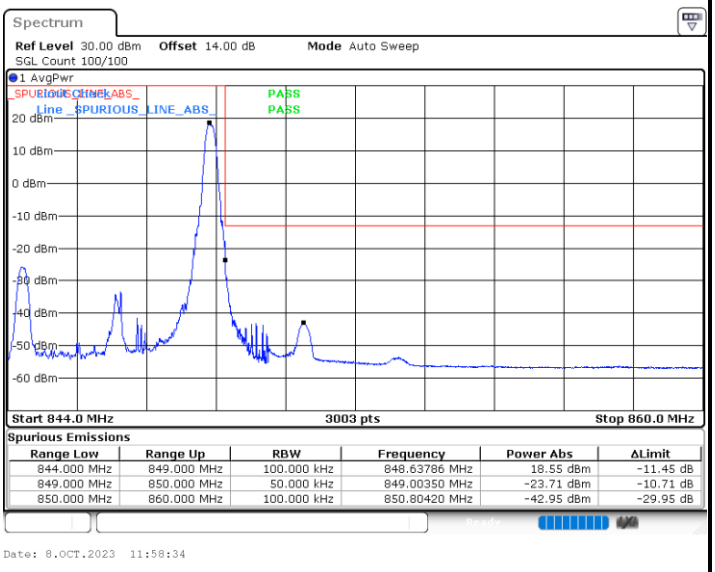


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.16484 MHz	-42.23 dBm	-29.23 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-25.79 dBm	-12.79 dB
824.000 MHz	829.000 MHz	100.000 kHz	824.35714 MHz	18.72 dBm	-11.28 dB

Date: 8.OCT.2023 11:48:03

Highest Band Edge / 1 RB

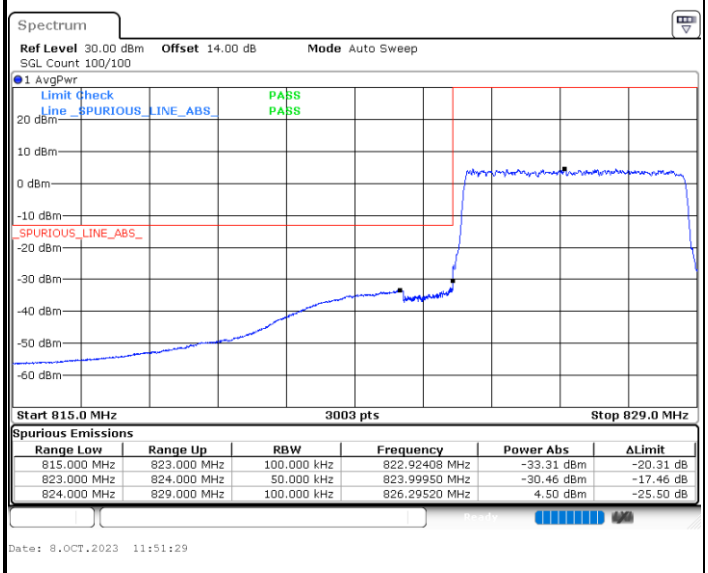


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	848.63786 MHz	18.55 dBm	-11.45 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00350 MHz	-23.71 dBm	-10.71 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.80420 MHz	-42.95 dBm	-29.95 dB

Date: 8.OCT.2023 11:58:34

Lowest Band Edge / Full RB

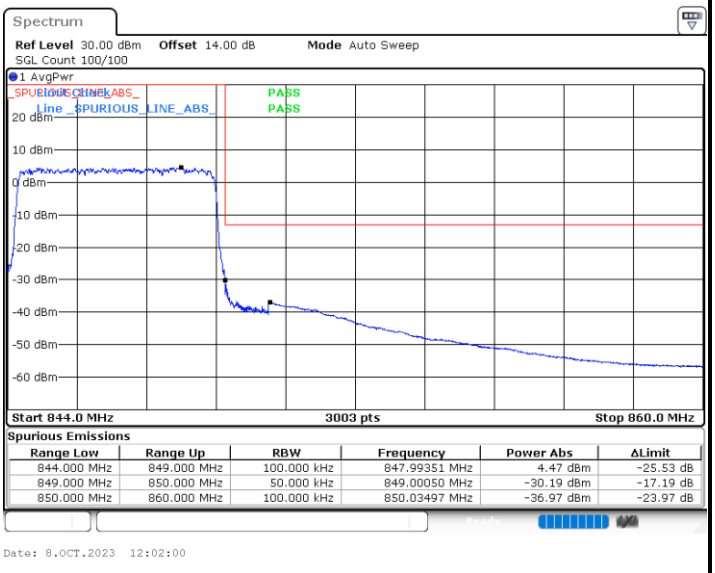


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.92408 MHz	-33.31 dBm	-20.31 dB
823.000 MHz	824.000 MHz	50.000 kHz	823.99950 MHz	-30.46 dBm	-17.46 dB
824.000 MHz	829.000 MHz	100.000 kHz	826.29520 MHz	4.50 dBm	-25.50 dB

Date: 8.OCT.2023 11:51:29

Highest Band Edge / Full RB



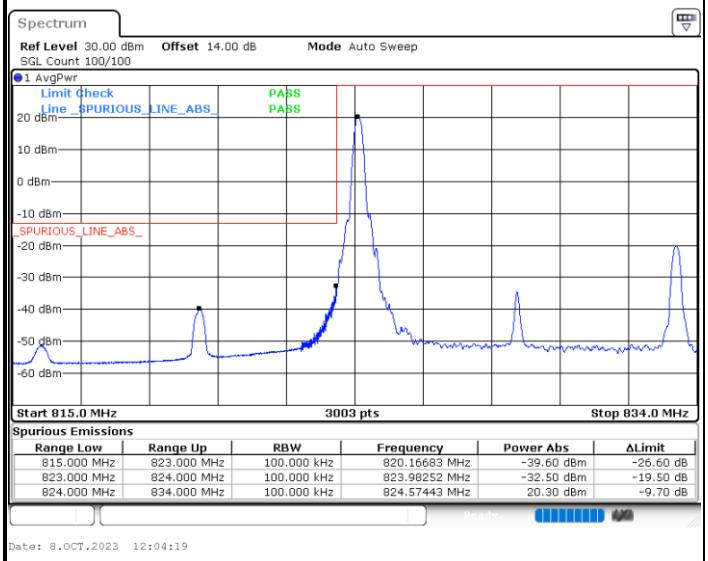
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
844.000 MHz	849.000 MHz	100.000 kHz	847.99351 MHz	4.47 dBm	-25.53 dB
849.000 MHz	850.000 MHz	50.000 kHz	849.00050 MHz	-30.19 dBm	-17.19 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.03497 MHz	-36.97 dBm	-23.97 dB

Date: 8.OCT.2023 12:02:00

LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1RB

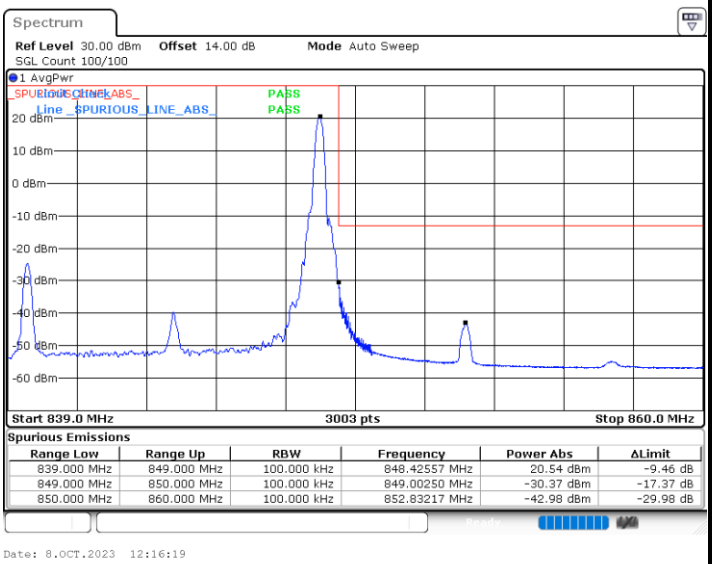


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.16683 MHz	-39.60 dBm	-26.60 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98252 MHz	-32.50 dBm	-19.50 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.57443 MHz	20.30 dBm	-9.70 dB

Date: 8.OCT.2023 12:04:19

Highest Band Edge / 1RB

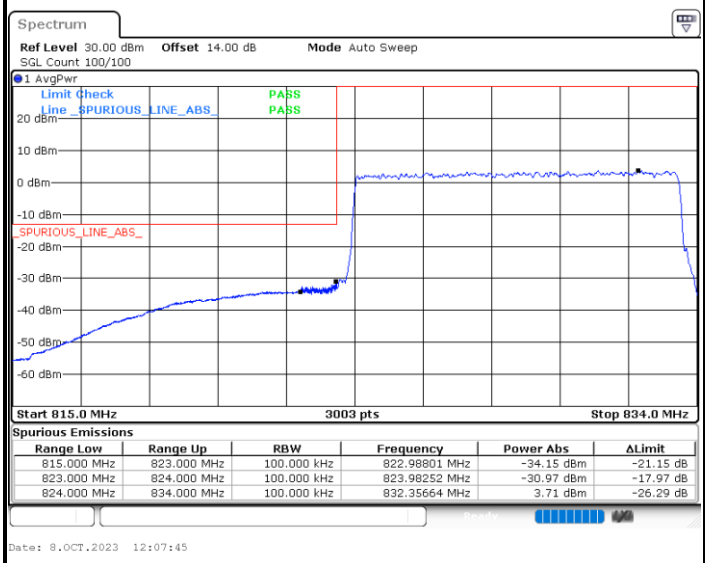


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.42557 MHz	20.54 dBm	-9.46 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00250 MHz	-30.37 dBm	-17.37 dB
850.000 MHz	860.000 MHz	100.000 kHz	852.83217 MHz	-42.98 dBm	-29.98 dB

Date: 8.OCT.2023 12:16:19

Lowest Band Edge / Full RB

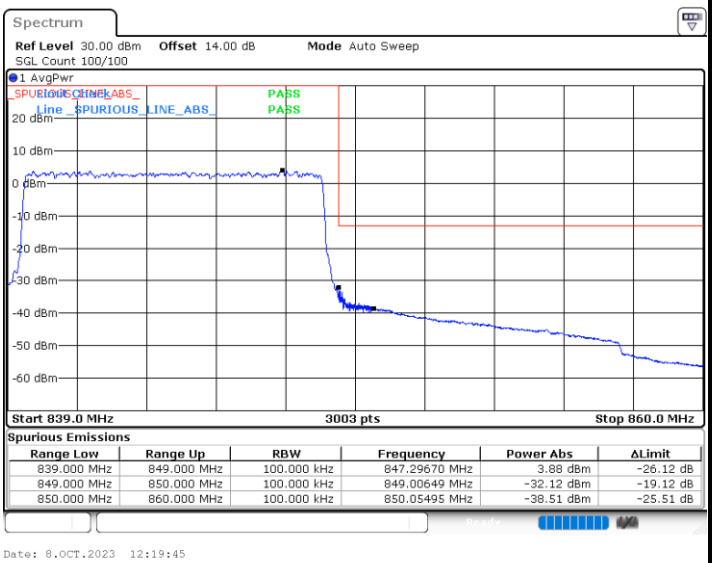


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-34.15 dBm	-21.15 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98252 MHz	-30.97 dBm	-17.97 dB
824.000 MHz	834.000 MHz	100.000 kHz	832.35664 MHz	3.71 dBm	-26.29 dB

Date: 8.OCT.2023 12:07:45

Highest Band Edge / Full RB



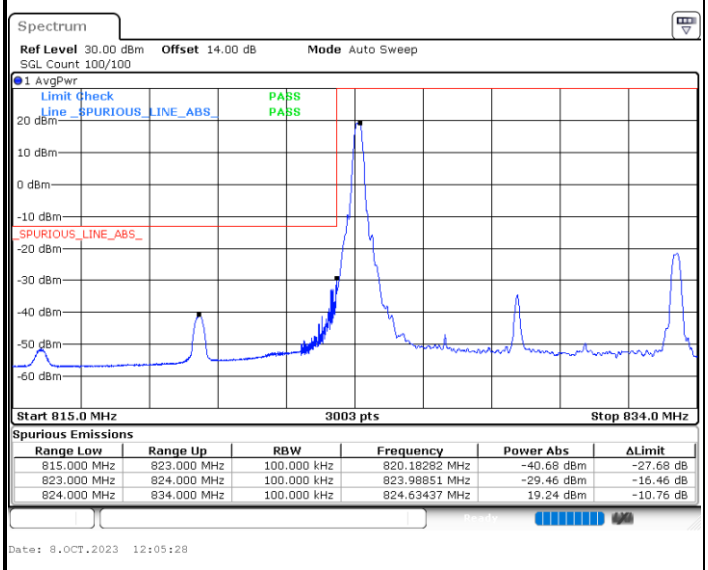
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	847.29670 MHz	3.88 dBm	-26.12 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00649 MHz	-32.12 dBm	-19.12 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.05495 MHz	-38.51 dBm	-25.51 dB

Date: 8.OCT.2023 12:19:45

LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

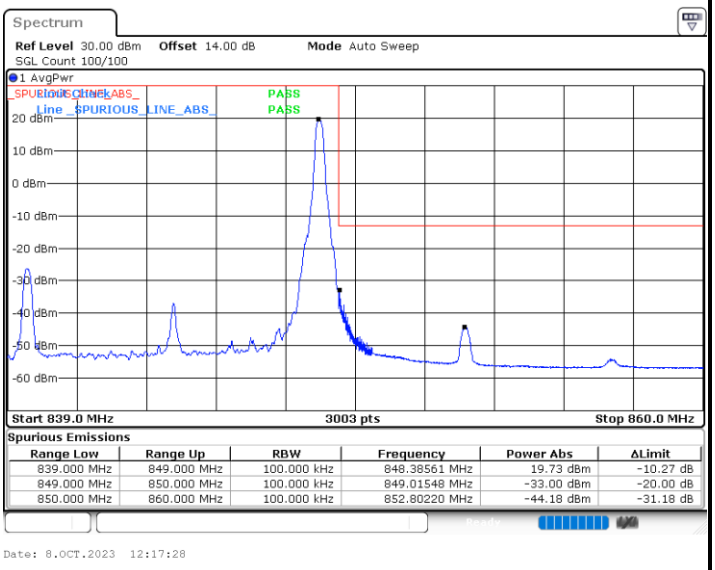


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.18282 MHz	-40.68 dBm	-27.68 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.98851 MHz	-29.46 dBm	-16.46 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.63437 MHz	19.24 dBm	-10.76 dB

Date: 8.OCT.2023 12:05:28

Highest Band Edge / 1 RB

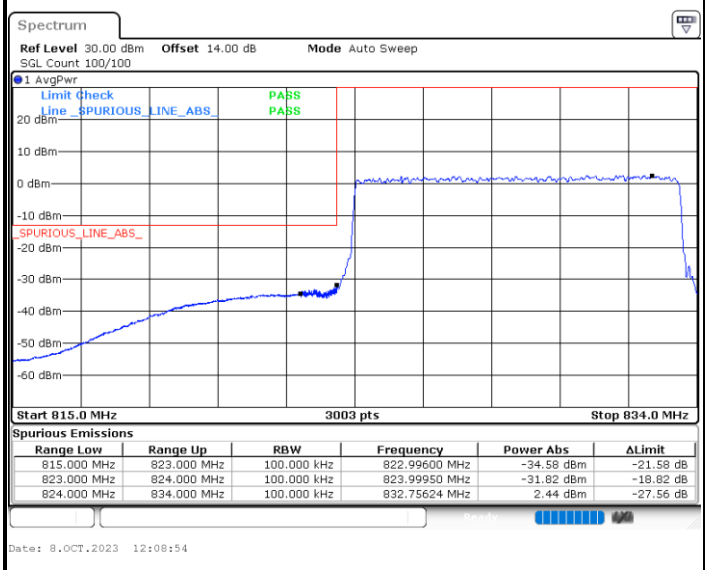


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.38561 MHz	19.73 dBm	-10.27 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.01548 MHz	-33.00 dBm	-20.00 dB
850.000 MHz	860.000 MHz	100.000 kHz	852.80220 MHz	-44.18 dBm	-31.18 dB

Date: 8.OCT.2023 12:17:28

Lowest Band Edge / Full RB

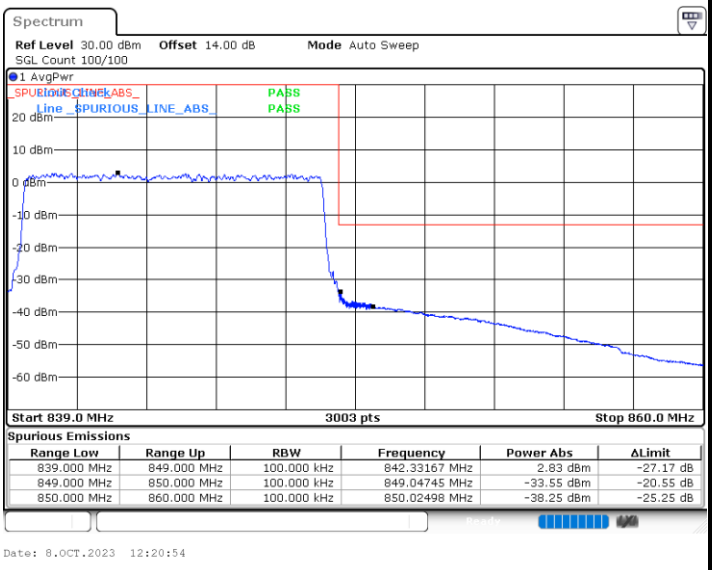


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-34.58 dBm	-21.58 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99950 MHz	-31.82 dBm	-18.82 dB
824.000 MHz	834.000 MHz	100.000 kHz	832.75624 MHz	2.44 dBm	-27.56 dB

Date: 8.OCT.2023 12:08:54

Highest Band Edge / Full RB



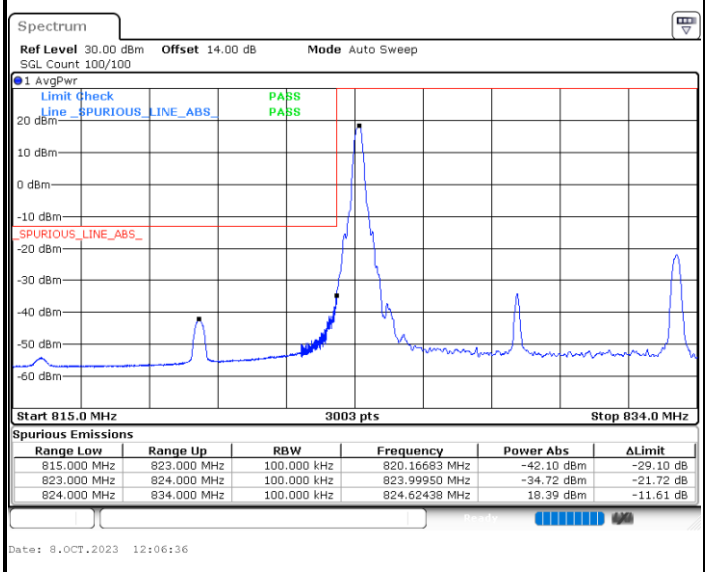
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	842.33167 MHz	2.83 dBm	-27.17 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.04745 MHz	-33.55 dBm	-20.55 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-38.25 dBm	-25.25 dB

Date: 8.OCT.2023 12:20:54

LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

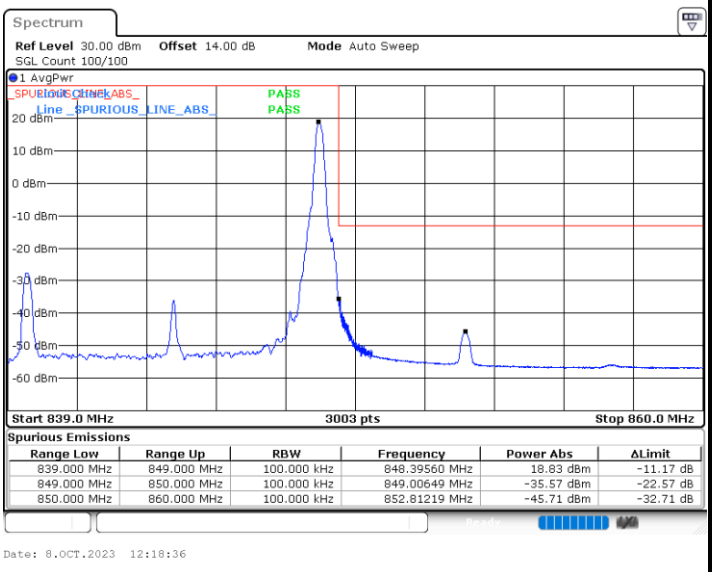


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	820.16683 MHz	-42.10 dBm	-29.10 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.99950 MHz	-34.72 dBm	-21.72 dB
824.000 MHz	834.000 MHz	100.000 kHz	824.62438 MHz	18.39 dBm	-11.61 dB

Date: 8.OCT.2023 12:06:36

Highest Band Edge / 1 RB

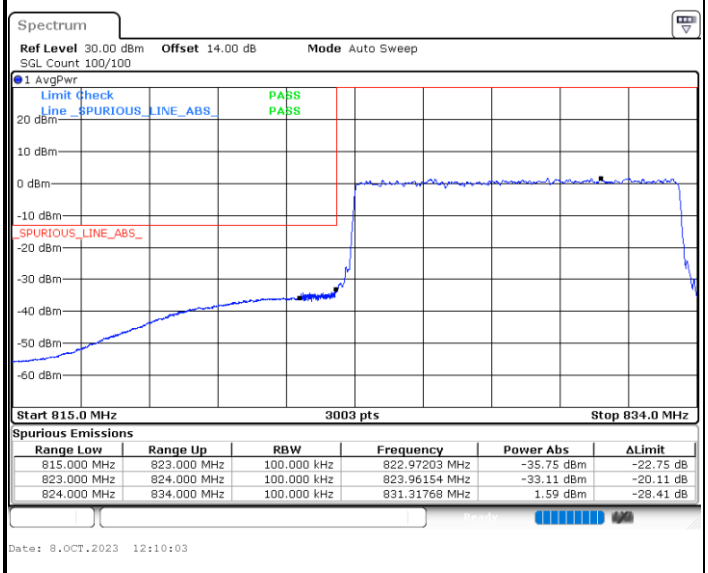


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	848.39560 MHz	18.83 dBm	-11.17 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00649 MHz	-35.57 dBm	-22.57 dB
850.000 MHz	860.000 MHz	100.000 kHz	852.81219 MHz	-45.71 dBm	-32.71 dB

Date: 8.OCT.2023 12:18:36

Lowest Band Edge / Full RB

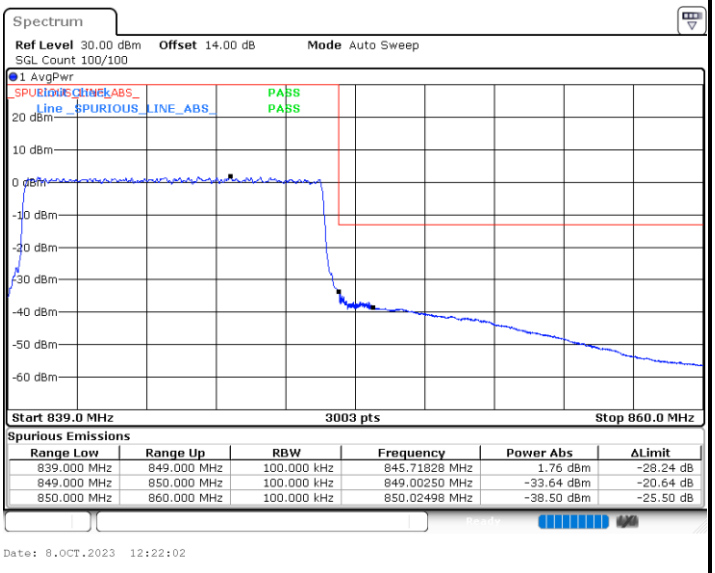


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.97203 MHz	-35.75 dBm	-22.75 dB
823.000 MHz	824.000 MHz	100.000 kHz	823.96154 MHz	-33.11 dBm	-20.11 dB
824.000 MHz	834.000 MHz	100.000 kHz	831.31768 MHz	1.59 dBm	-28.41 dB

Date: 8.OCT.2023 12:10:03

Highest Band Edge / Full RB



Spurious Emissions

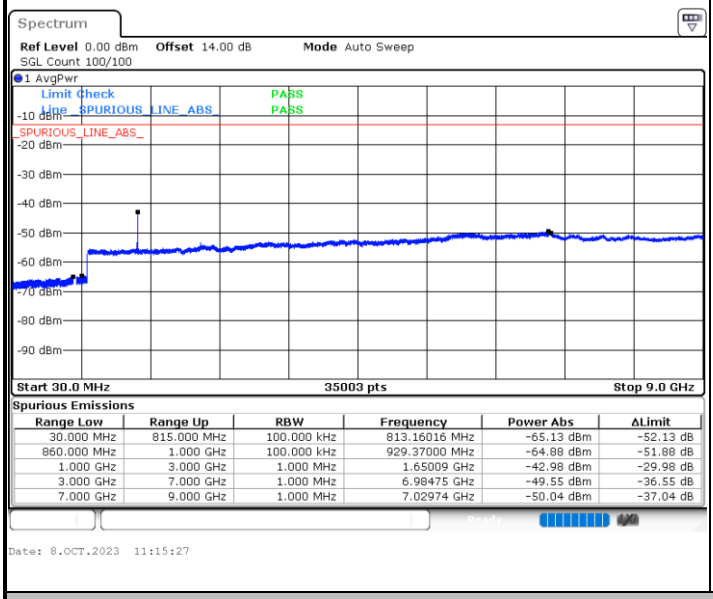
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
839.000 MHz	849.000 MHz	100.000 kHz	845.71828 MHz	1.76 dBm	-28.24 dB
849.000 MHz	850.000 MHz	100.000 kHz	849.00250 MHz	-33.64 dBm	-20.64 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.02498 MHz	-38.50 dBm	-25.50 dB

Date: 8.OCT.2023 12:22:02

Conducted Spurious Emission

LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

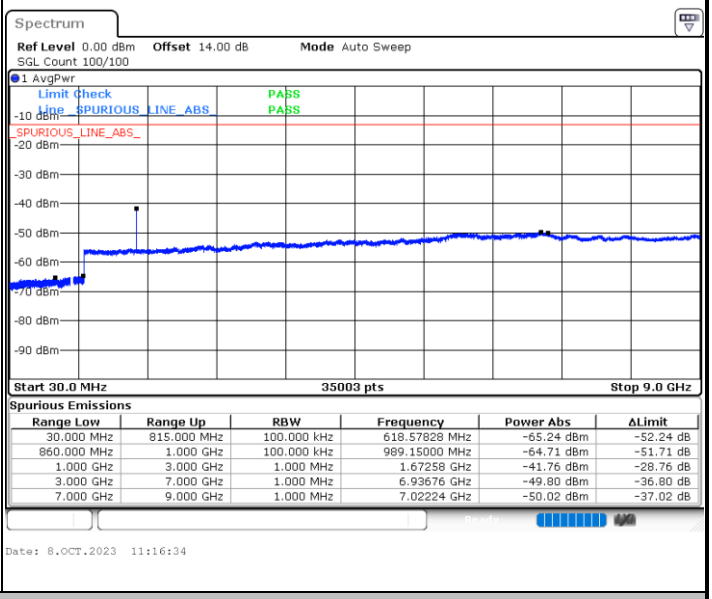


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	813.16016 MHz	-65.13 dBm	-52.13 dB
860.000 MHz	1.000 GHz	100.000 kHz	929.37000 MHz	-64.88 dBm	-51.88 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.65009 GHz	-42.98 dBm	-29.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98475 GHz	-49.55 dBm	-36.55 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02974 GHz	-50.04 dBm	-37.04 dB

Date: 8.OCT.2023 11:15:27

Middle Channel / QPSK

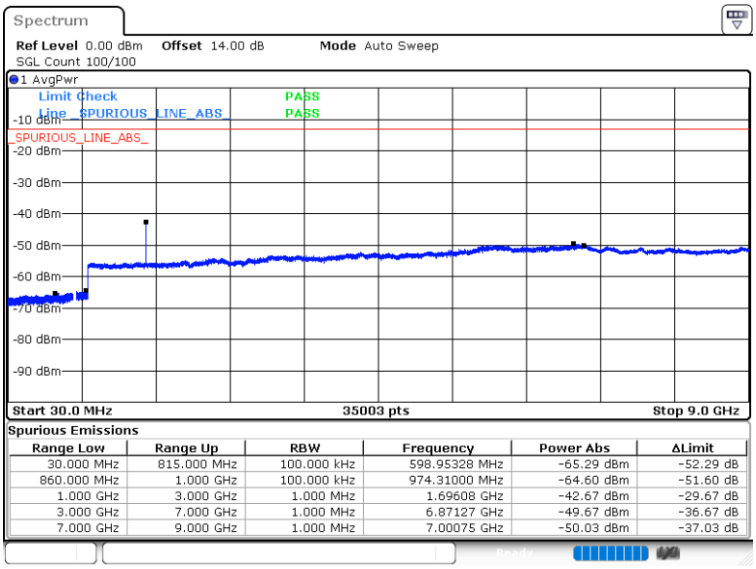


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	618.57828 MHz	-65.24 dBm	-52.24 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.15000 MHz	-64.71 dBm	-51.71 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67258 GHz	-41.76 dBm	-28.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93676 GHz	-49.80 dBm	-36.80 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02224 GHz	-50.02 dBm	-37.02 dB

Date: 8.OCT.2023 11:16:34

Highest Channel / QPSK



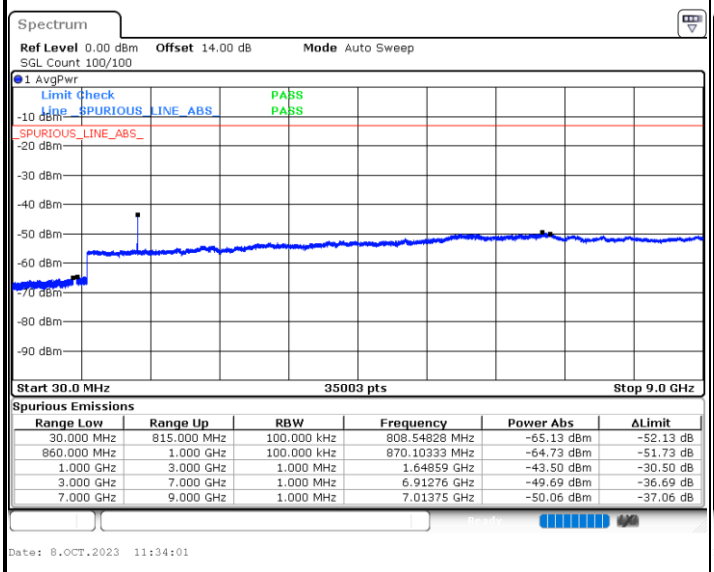
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	598.95328 MHz	-65.29 dBm	-52.29 dB
860.000 MHz	1.000 GHz	100.000 kHz	974.31000 MHz	-64.60 dBm	-51.60 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69608 GHz	-42.67 dBm	-29.67 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87127 GHz	-49.67 dBm	-36.67 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00075 GHz	-50.03 dBm	-37.03 dB

Date: 8.OCT.2023 11:25:58

LTE Band 5 / 3MHz

Lowest Channel / QPSK

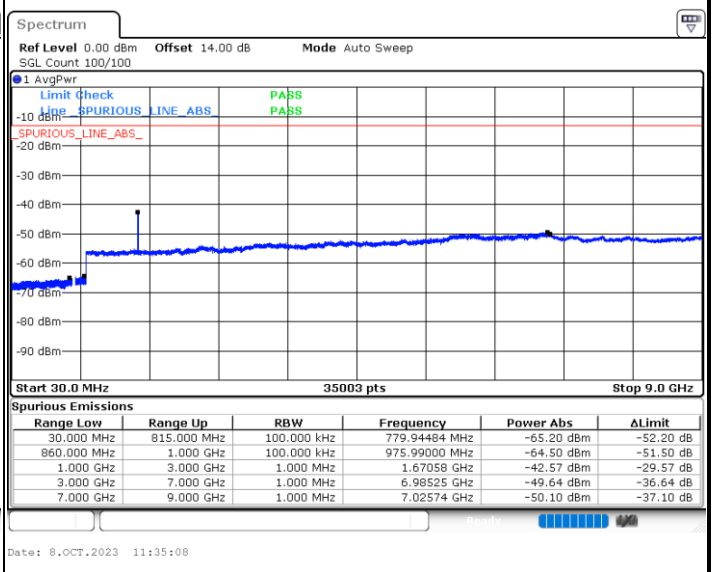


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	808.54828 MHz	-65.13 dBm	-52.13 dB
860.000 MHz	1.000 GHz	100.000 kHz	870.10333 MHz	-64.73 dBm	-51.73 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64859 GHz	-43.50 dBm	-30.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91276 GHz	-49.69 dBm	-36.69 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.01375 GHz	-50.06 dBm	-37.06 dB

Date: 8.OCT.2023 11:34:01

Middle Channel / QPSK

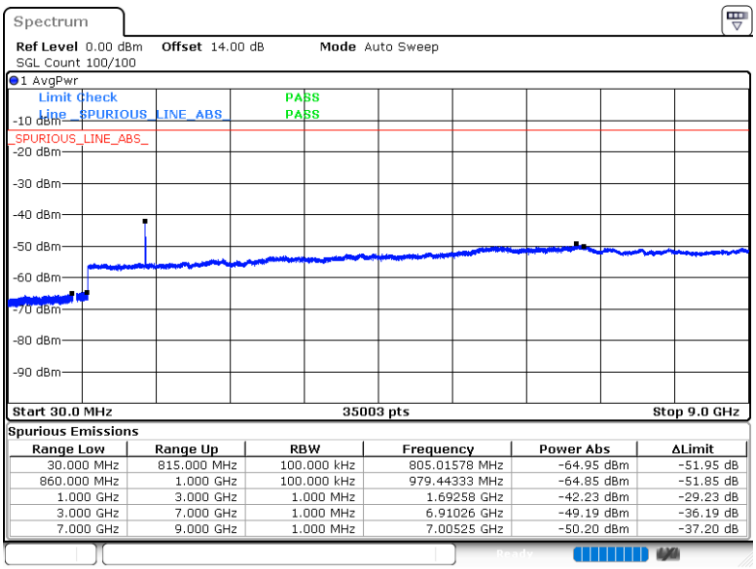


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	779.94484 MHz	-65.20 dBm	-52.20 dB
860.000 MHz	1.000 GHz	100.000 kHz	975.99000 MHz	-64.50 dBm	-51.50 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67058 GHz	-42.57 dBm	-29.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-49.64 dBm	-36.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02574 GHz	-50.10 dBm	-37.10 dB

Date: 8.OCT.2023 11:35:08

Highest Channel / QPSK



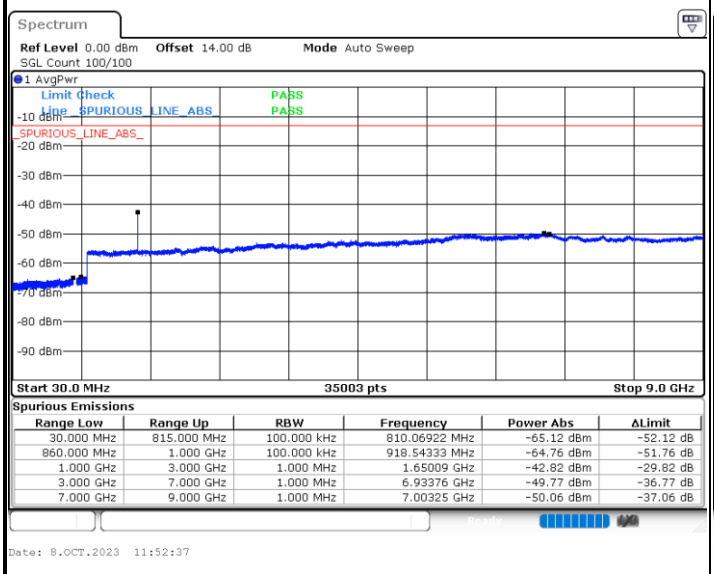
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	805.01578 MHz	-64.95 dBm	-51.95 dB
860.000 MHz	1.000 GHz	100.000 kHz	979.44333 MHz	-64.85 dBm	-51.85 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69258 GHz	-42.23 dBm	-29.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91026 GHz	-49.19 dBm	-36.19 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00525 GHz	-50.20 dBm	-37.20 dB

Date: 8.OCT.2023 11:44:35

LTE Band 5 / 5MHz

Lowest Channel / QPSK

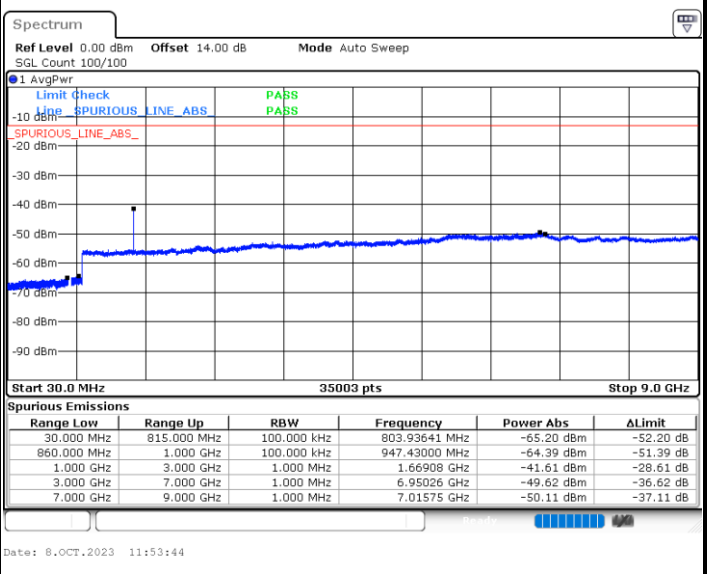


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	810.06922 MHz	-65.12 dBm	-52.12 dB
860.000 MHz	1.000 GHz	100.000 kHz	918.54333 MHz	-64.76 dBm	-51.76 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.65009 GHz	-42.82 dBm	-29.82 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93376 GHz	-49.77 dBm	-36.77 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00325 GHz	-50.06 dBm	-37.06 dB

Date: 8.OCT.2023 11:52:37

Middle Channel / QPSK

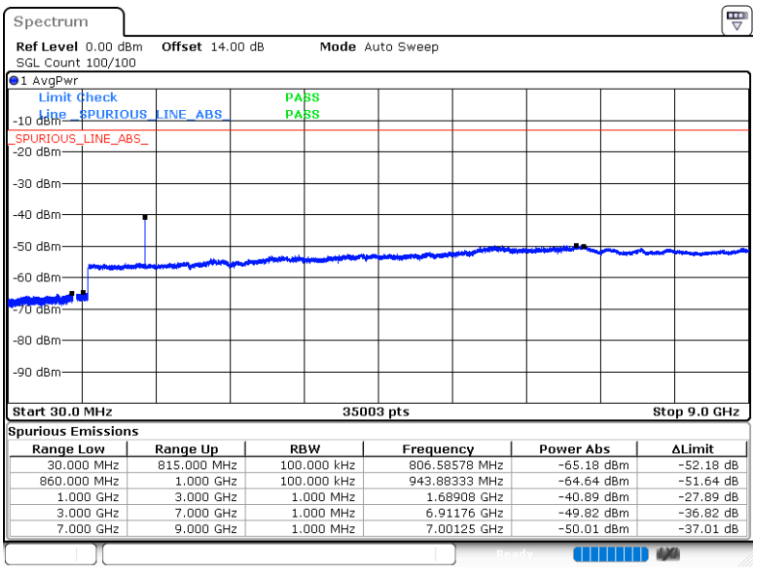


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	803.93641 MHz	-65.20 dBm	-52.20 dB
860.000 MHz	1.000 GHz	100.000 kHz	947.43000 MHz	-64.39 dBm	-51.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66908 GHz	-41.61 dBm	-28.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95026 GHz	-49.62 dBm	-36.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.01575 GHz	-50.11 dBm	-37.11 dB

Date: 8.OCT.2023 11:53:44

Highest Channel / QPSK



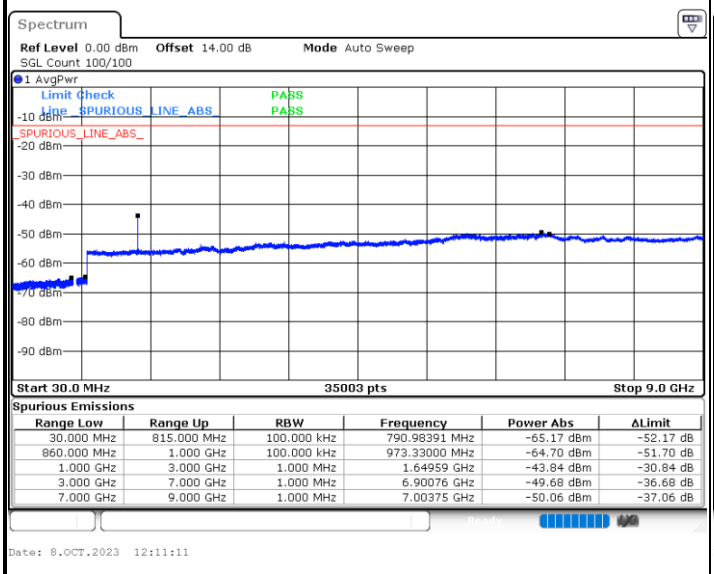
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	806.58578 MHz	-65.18 dBm	-52.18 dB
860.000 MHz	1.000 GHz	100.000 kHz	943.88333 MHz	-64.64 dBm	-51.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-40.89 dBm	-27.89 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91176 GHz	-49.82 dBm	-36.82 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00125 GHz	-50.01 dBm	-37.01 dB

Date: 8.OCT.2023 12:03:08

LTE Band 5 / 10MHz

Lowest Channel / QPSK

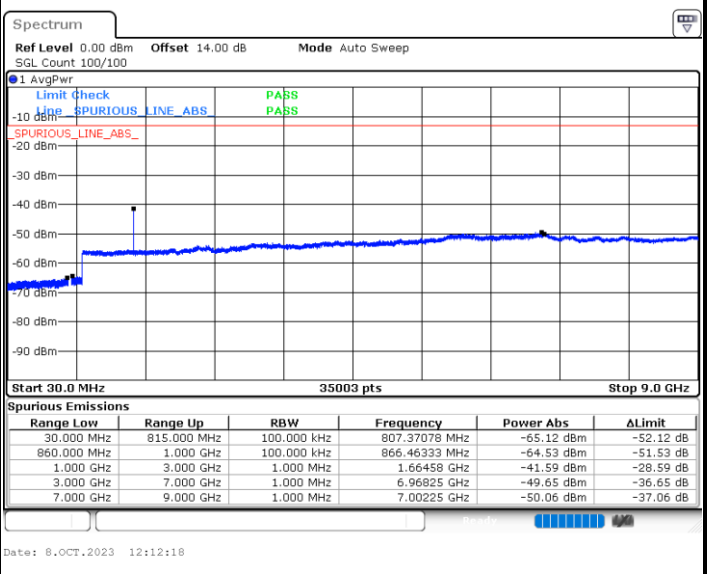


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	790.98391 MHz	-65.17 dBm	-52.17 dB
860.000 MHz	1.000 GHz	100.000 kHz	973.33000 MHz	-64.70 dBm	-51.70 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-43.84 dBm	-30.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90076 GHz	-49.68 dBm	-36.68 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00375 GHz	-50.06 dBm	-37.06 dB

Date: 8.OCT.2023 12:11:11

Middle Channel / QPSK

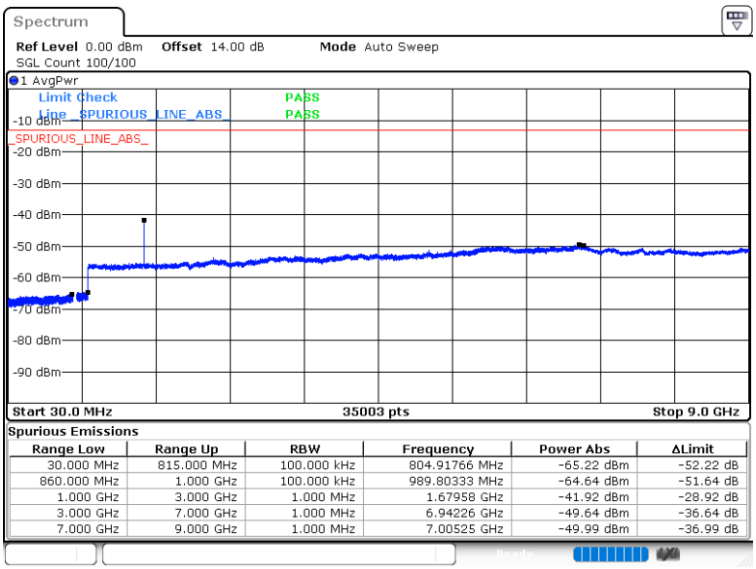


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	807.37078 MHz	-65.12 dBm	-52.12 dB
860.000 MHz	1.000 GHz	100.000 kHz	866.46333 MHz	-64.53 dBm	-51.53 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-41.59 dBm	-28.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96825 GHz	-49.65 dBm	-36.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00225 GHz	-50.06 dBm	-37.06 dB

Date: 8.OCT.2023 12:12:18

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	804.91766 MHz	-65.22 dBm	-52.22 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.80333 MHz	-64.64 dBm	-51.64 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-41.92 dBm	-28.92 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94226 GHz	-49.64 dBm	-36.64 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00525 GHz	-49.99 dBm	-36.99 dB

Date: 8.OCT.2023 12:23:10

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0041	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0041	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jia Kuang	Temperature :	22~25℃
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

LTE Band 2 / 20MHz / QPSK / Ant0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-57.22	-13	-44.22	-80.26	-63.97	5.85	12.60	H
	5613.27	-57.11	-13	-44.11	-81.69	-62.91	7.30	13.10	H
	7484.36	-55.08	-13	-42.08	-82.16	-58.23	8.35	11.50	H
	3742.18	-54.87	-13	-41.87	-79.92	-61.62	5.85	12.60	V
	5613.27	-55.67	-13	-42.67	-81.1	-61.47	7.30	13.10	V
	7484.36	-54.87	-13	-41.87	-81.93	-58.02	8.35	11.50	V

LTE Band 5 / 10MHz / QPSK / Ant0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.18	-61.72	-13	-48.72	-73.92	-64.97	4.00	9.40	H
	2496.27	-41.23	-13	-28.23	-60.60	-44.80	4.88	10.60	H
	3328.36	-59.21	-13	-46.21	-80.46	-64.14	5.52	12.60	H
	4160.45	-55.78	-13	-42.78	-77.74	-60.25	6.00	12.62	H
	1664.18	-63.33	-13	-50.33	-76.20	-66.58	4.00	9.40	V
	2496.27	-41.94	-13	-28.94	-61.57	-45.51	4.88	10.60	V
	3328.36	-58.50	-13	-45.50	-80.25	-63.43	5.52	12.60	V
	4160.45	-52.92	-13	-39.92	-77.28	-57.39	6.00	12.62	V