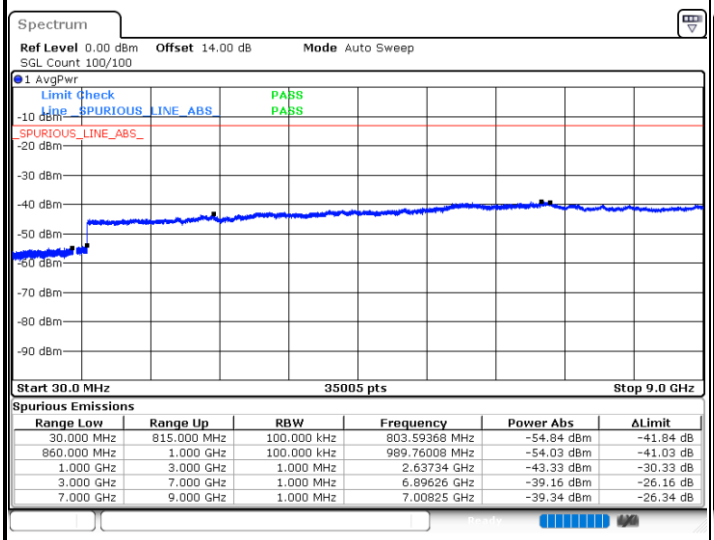
LTE Band 26 / 10MHz

Lowest Channel / QPSK

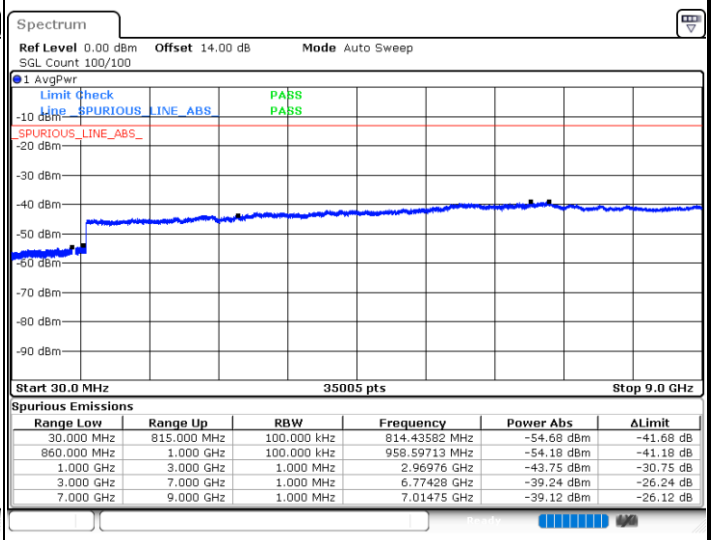


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	803.59368 MHz	-54.84 dBm	-41.84 dB
860.000 MHz	1.000 GHz	100.000 kHz	989.76008 MHz	-54.03 dBm	-41.03 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63734 GHz	-43.33 dBm	-30.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89626 GHz	-39.16 dBm	-26.16 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00825 GHz	-39.34 dBm	-26.34 dB

Date: 16.AUG.2024 21:29:35

Middle Channel / QPSK

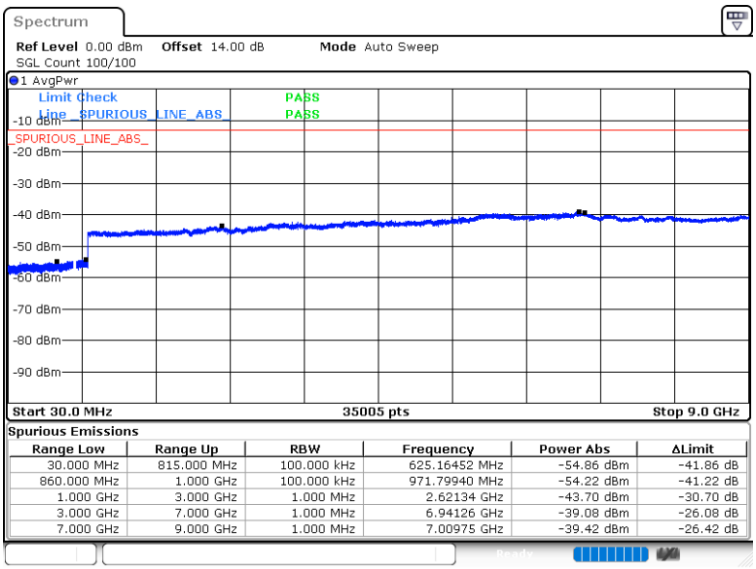


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.43582 MHz	-54.68 dBm	-41.68 dB
860.000 MHz	1.000 GHz	100.000 kHz	958.59713 MHz	-54.18 dBm	-41.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.96976 GHz	-43.75 dBm	-30.75 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.77428 GHz	-39.24 dBm	-26.24 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.01475 GHz	-39.12 dBm	-26.12 dB

Date: 16.AUG.2024 21:30:45

Highest Channel / QPSK



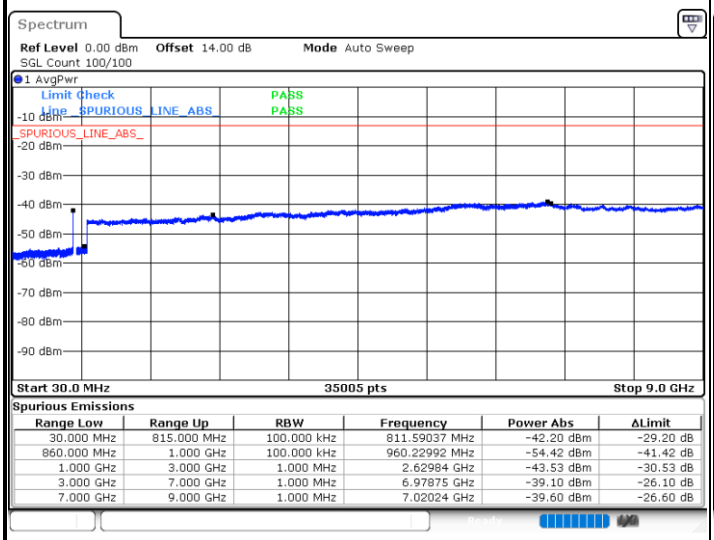
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	625.16452 MHz	-54.86 dBm	-41.86 dB
860.000 MHz	1.000 GHz	100.000 kHz	971.79940 MHz	-54.22 dBm	-41.22 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.62134 GHz	-43.70 dBm	-30.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94126 GHz	-39.08 dBm	-26.08 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.00975 GHz	-39.42 dBm	-26.42 dB

Date: 16.AUG.2024 21:40:20

LTE Band 26 / 15MHz

Lowest Channel / QPSK

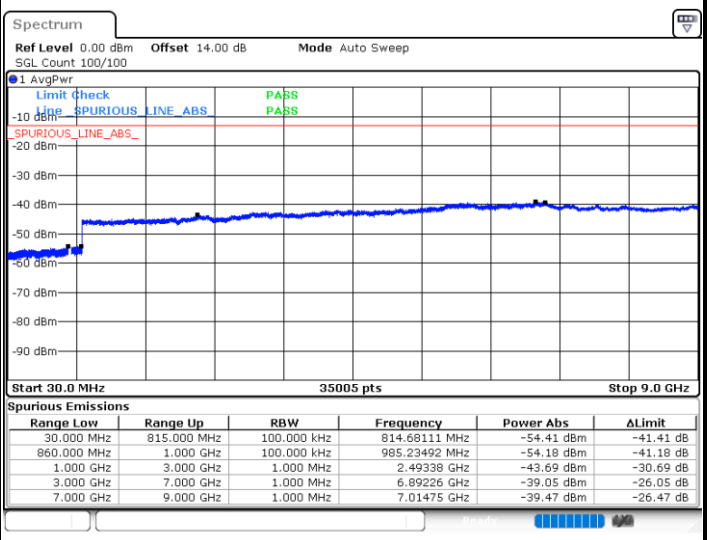


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	811.59037 MHz	-42.20 dBm	-29.20 dB
860.000 MHz	1.000 GHz	100.000 kHz	960.22992 MHz	-54.42 dBm	-41.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.62984 GHz	-43.53 dBm	-30.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97875 GHz	-39.10 dBm	-26.10 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02024 GHz	-39.60 dBm	-26.60 dB

Date: 16.AUG.2024 21:49:13

Middle Channel / QPSK

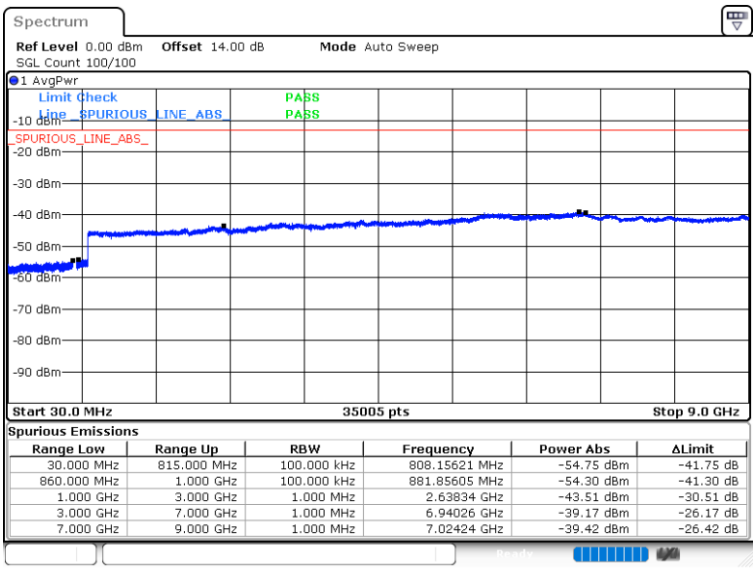


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.68111 MHz	-54.41 dBm	-41.41 dB
860.000 MHz	1.000 GHz	100.000 kHz	985.23492 MHz	-54.18 dBm	-41.18 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.49338 GHz	-43.69 dBm	-30.69 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89226 GHz	-39.05 dBm	-26.05 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.01475 GHz	-39.47 dBm	-26.47 dB

Date: 16.AUG.2024 21:50:22

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	808.15621 MHz	-54.75 dBm	-41.75 dB
860.000 MHz	1.000 GHz	100.000 kHz	881.85605 MHz	-54.30 dBm	-41.30 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63834 GHz	-43.51 dBm	-30.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94026 GHz	-39.17 dBm	-26.17 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02424 GHz	-39.42 dBm	-26.42 dB

Date: 16.AUG.2024 22:01:18

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0116	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0115	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0044	

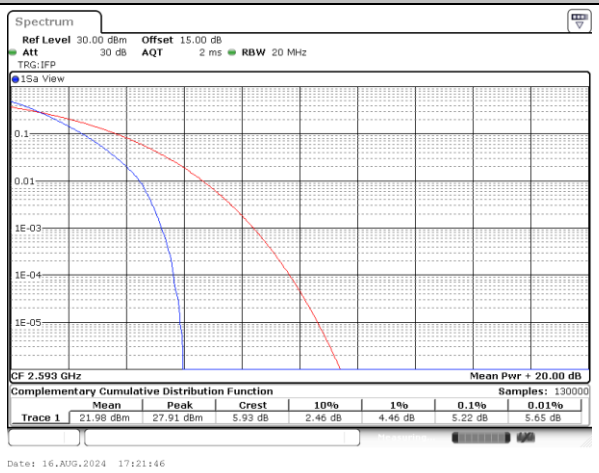
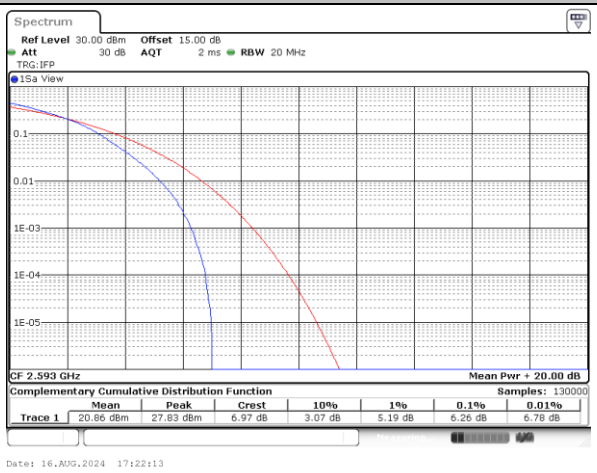
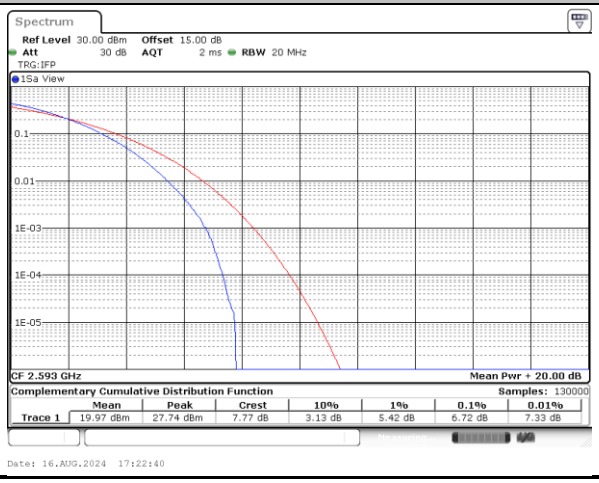
Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.22	6.26	6.72	PASS

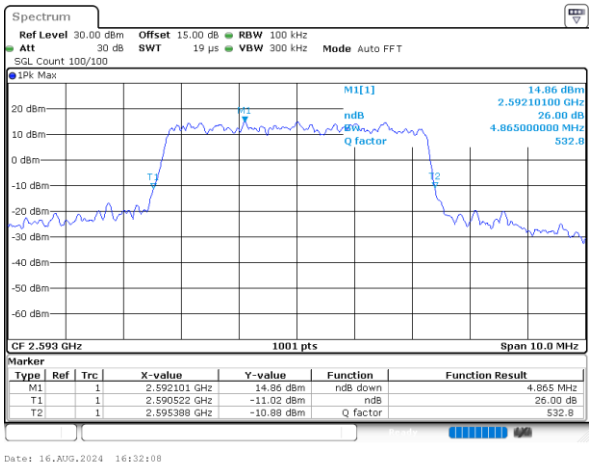
LTE Band 41 / 20MHz / QPSK	LTE Band 41 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB
	
LTE Band 41 / 20MHz / 64QAM	
Middle Channel / Full RB	
	

26dB Bandwidth

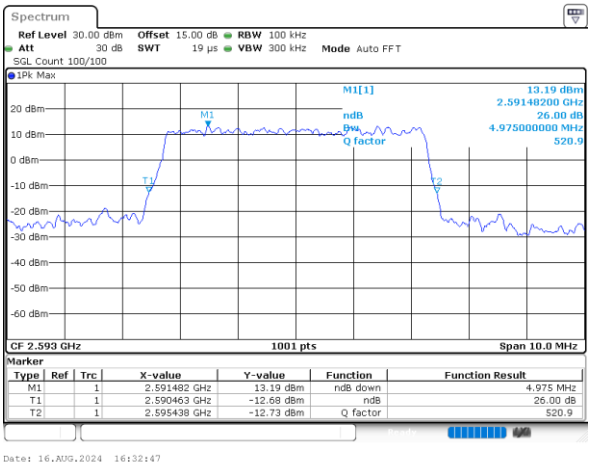
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.87	4.98	9.65	9.63	14.27	14.18	18.86	18.62

LTE Band 41

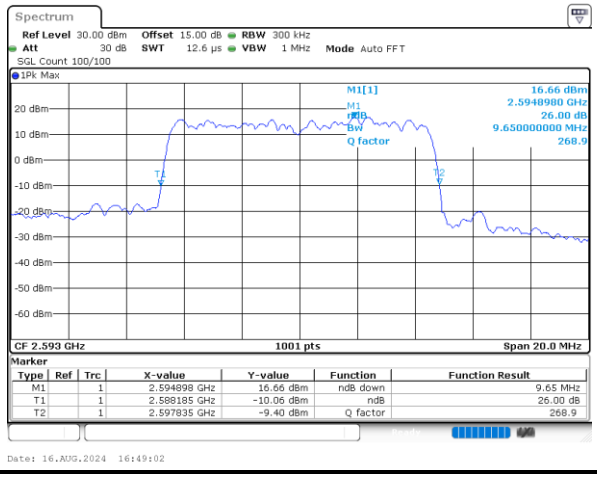
Middle Channel / 5MHz / QPSK



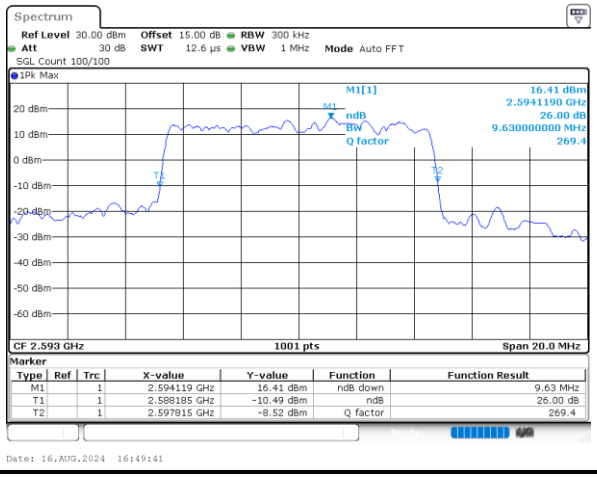
Middle Channel / 5MHz / 16QAM

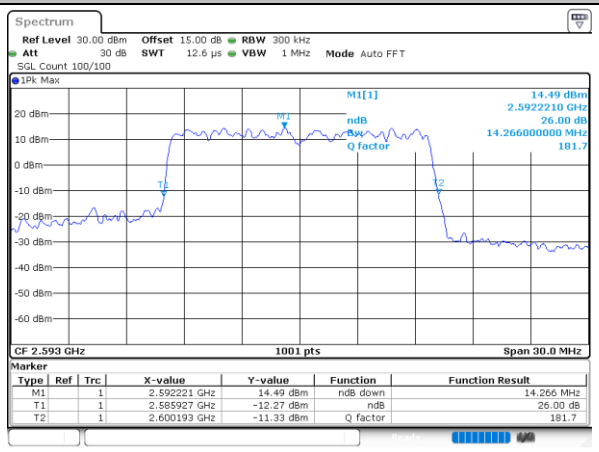
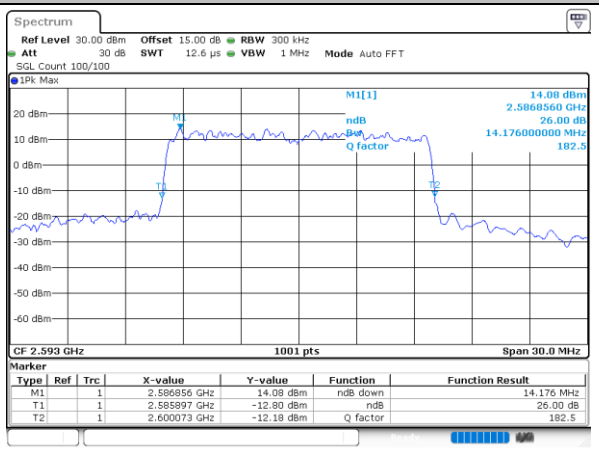


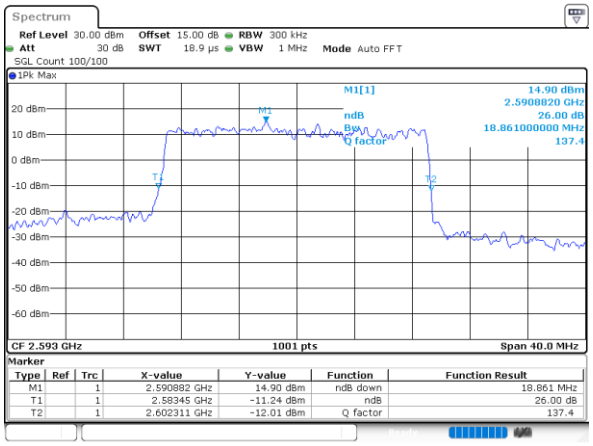
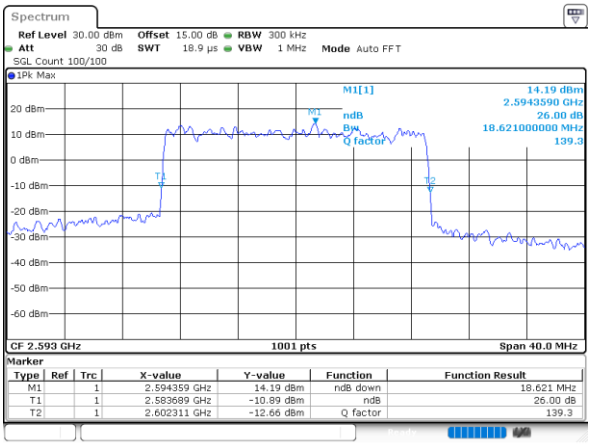
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK	Middle Channel / 15MHz / 16QAM
	

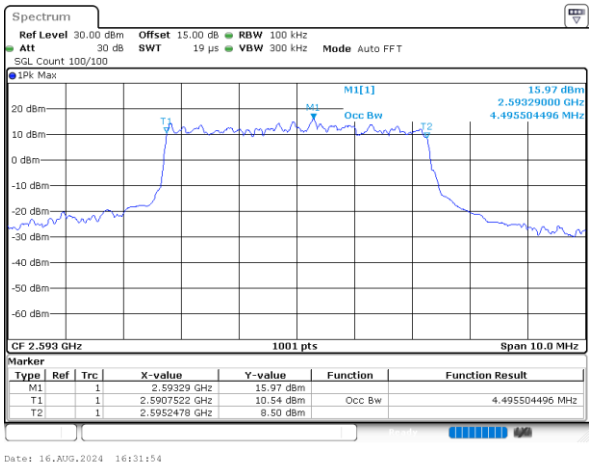
LTE Band 41	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	

Occupied Bandwidth

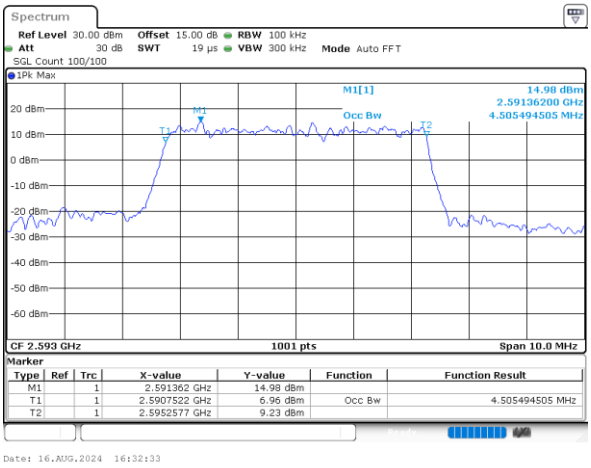
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.51	9.13	9.05	13.43	13.40	17.82	17.90

LTE Band 41

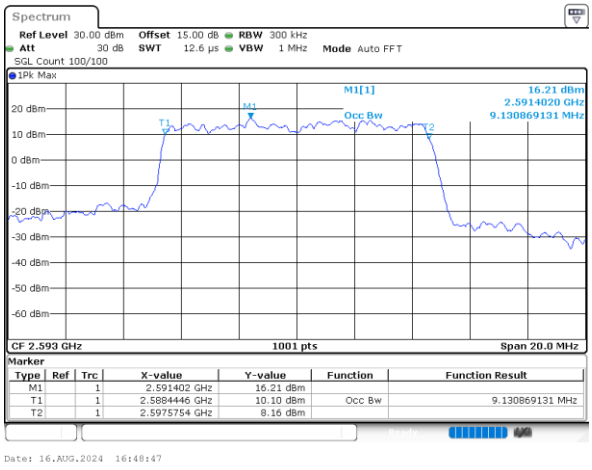
Middle Channel / 5MHz / QPSK



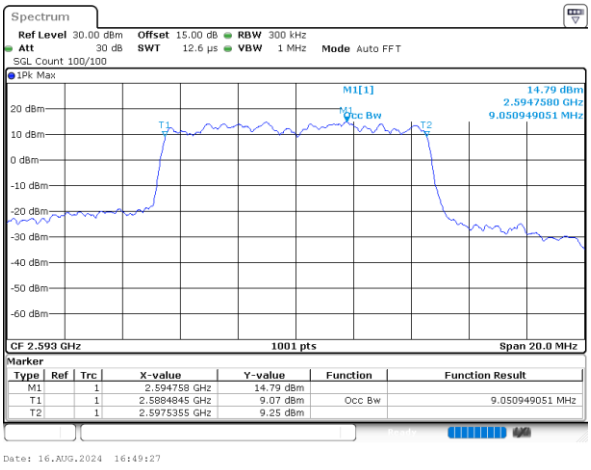
Middle Channel / 5MHz / 16QAM

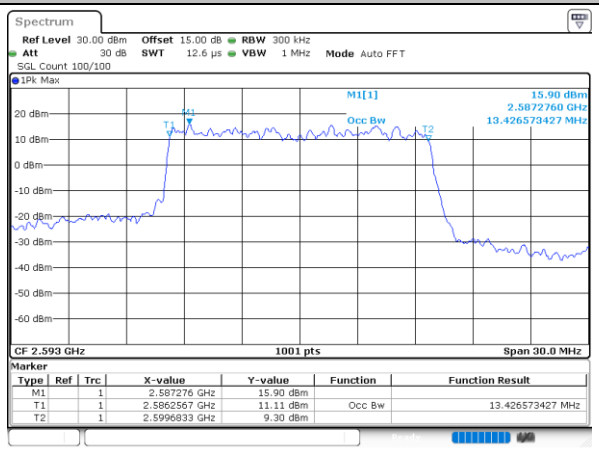
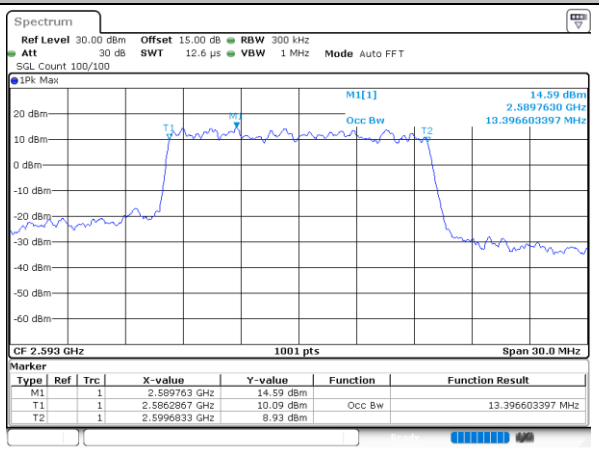


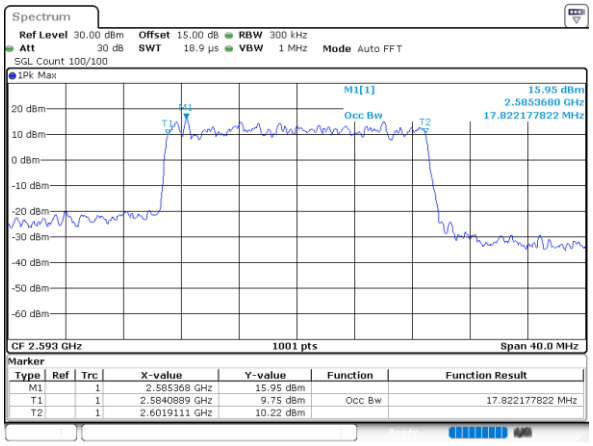
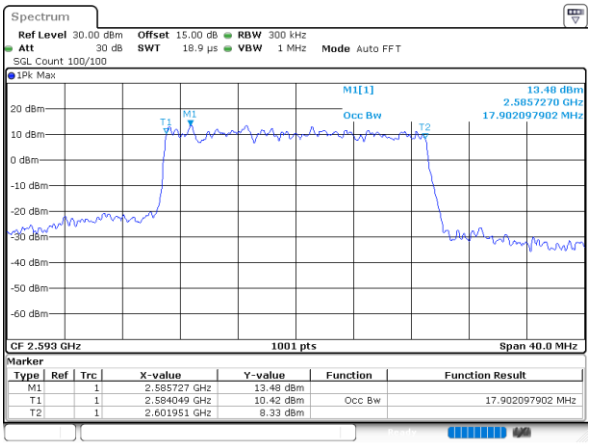
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



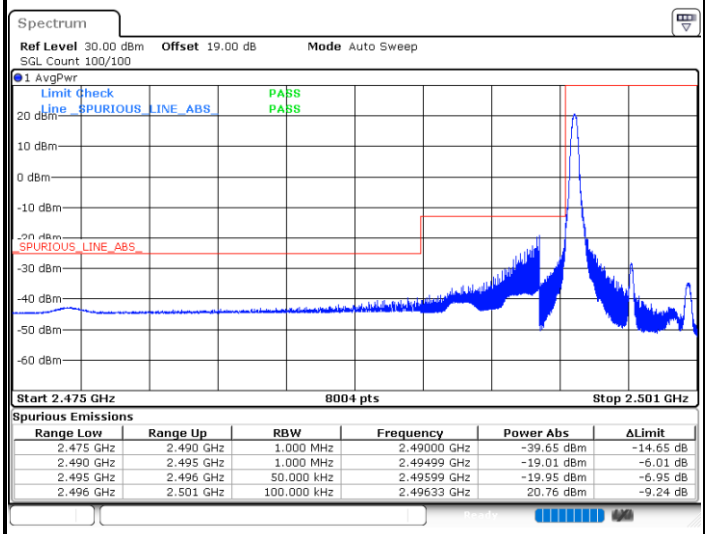
Middle Channel / 15MHz / QPSK	Middle Channel / 15MHz / 16QAM
	

LTE Band 41	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	

Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49000 GHz	-39.65 dBm	-14.65 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-19.01 dBm	-6.01 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-19.95 dBm	-6.95 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49633 GHz	20.76 dBm	-9.24 dB

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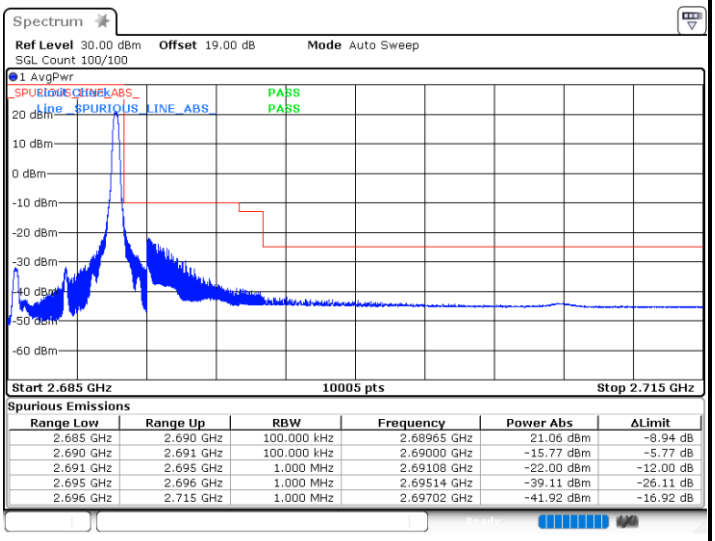
Highest Band Edge / 1 RB

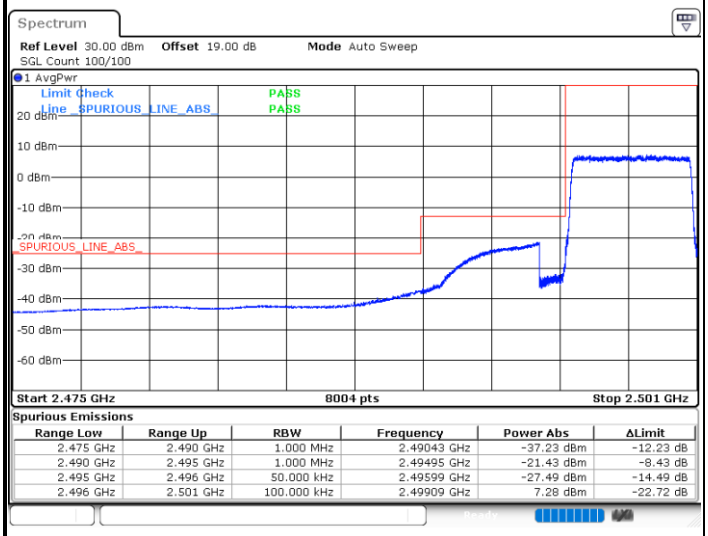


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68965 GHz	21.06 dBm	-8.94 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-15.77 dBm	-5.77 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69108 GHz	-22.00 dBm	-12.00 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69514 GHz	-39.11 dBm	-26.11 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69702 GHz	-41.92 dBm	-16.92 dB

Date: 17.AUG.2024 13:14:12

Lowest Band Edge / Full RB

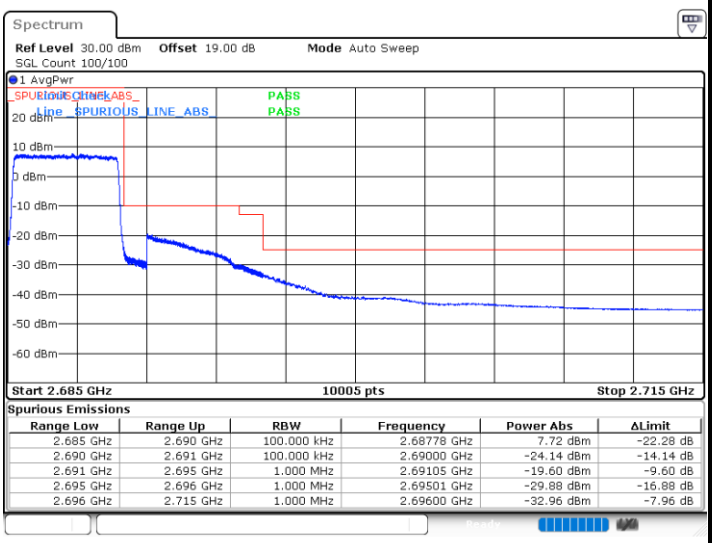


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-37.23 dBm	-12.23 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49495 GHz	-21.43 dBm	-8.43 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-27.49 dBm	-14.49 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49909 GHz	7.28 dBm	-22.72 dB

Date: 16.AUG.2024 16:29:08

Highest Band Edge / Full RB



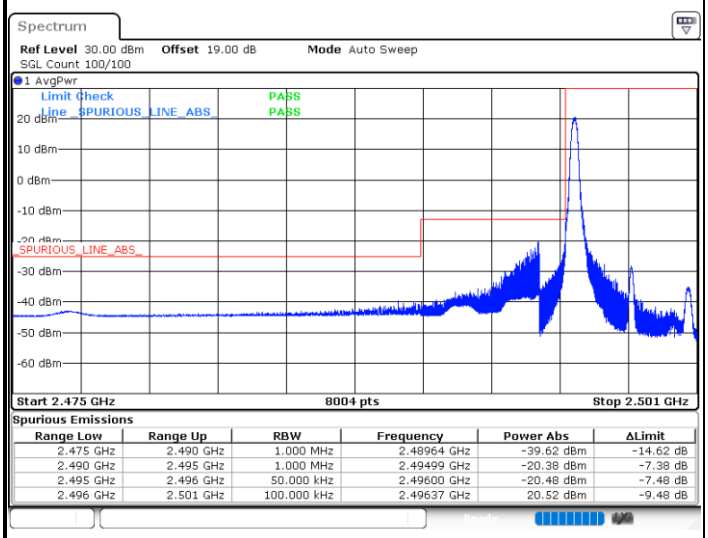
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68778 GHz	7.72 dBm	-22.28 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-24.14 dBm	-14.14 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-19.60 dBm	-9.60 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69501 GHz	-29.88 dBm	-16.88 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69600 GHz	-32.96 dBm	-7.96 dB

Date: 17.AUG.2024 13:20:06

LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48964 GHz	-39.62 dBm	-14.62 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-20.38 dBm	-7.38 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-20.48 dBm	-7.48 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49637 GHz	20.52 dBm	-9.48 dB

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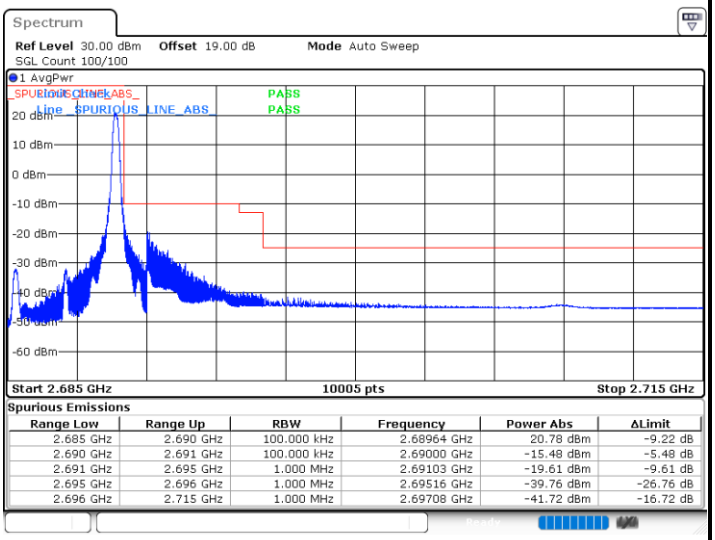
Highest Band Edge / 1 RB

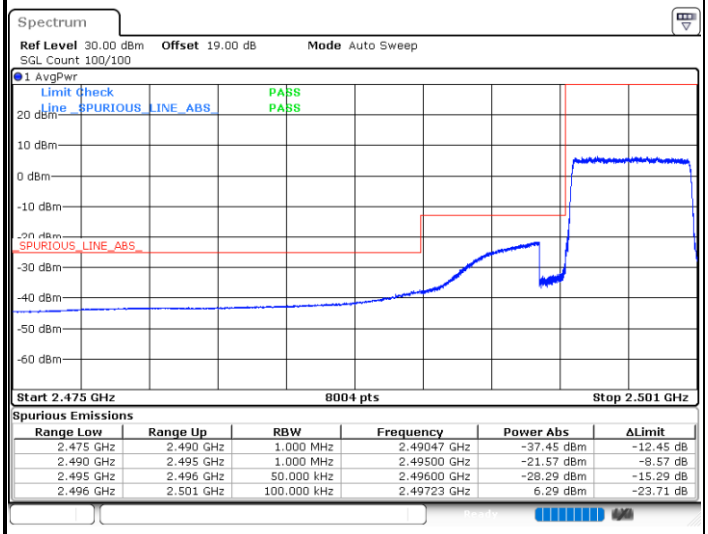


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68964 GHz	20.78 dBm	-9.22 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-15.48 dBm	-5.48 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69103 GHz	-19.61 dBm	-9.61 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69516 GHz	-39.76 dBm	-26.76 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69708 GHz	-41.72 dBm	-16.72 dB

Date: 17.AUG.2024 13:15:31

Lowest Band Edge / Full RB

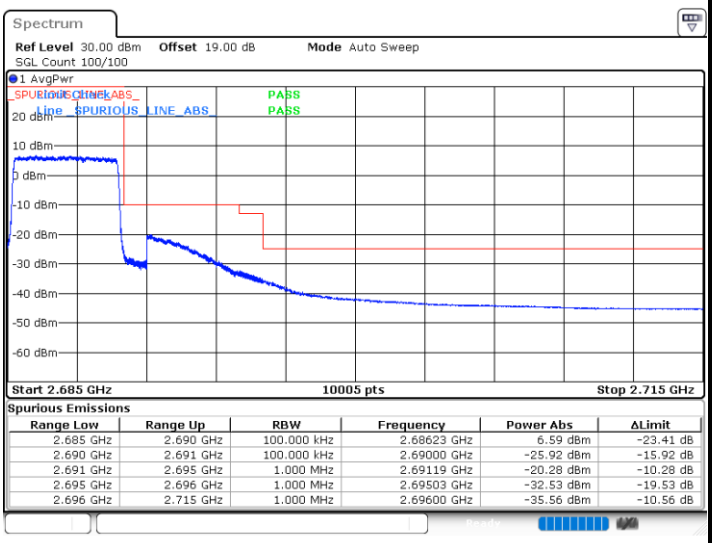


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-37.45 dBm	-12.45 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49500 GHz	-21.57 dBm	-8.57 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-28.29 dBm	-15.29 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49723 GHz	6.29 dBm	-23.71 dB

Date: 16.AUG.2024 16:28:17

Highest Band Edge / Full RB



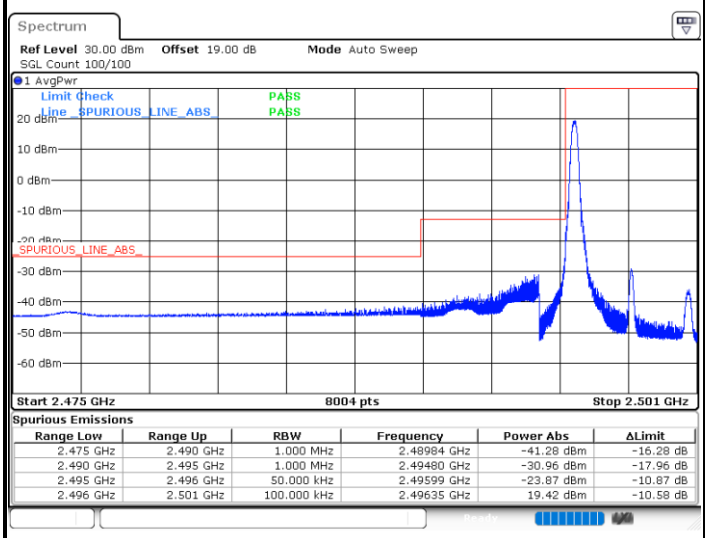
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68623 GHz	6.59 dBm	-23.41 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-25.92 dBm	-15.92 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69119 GHz	-20.28 dBm	-10.28 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69503 GHz	-32.53 dBm	-19.53 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69600 GHz	-35.56 dBm	-10.56 dB

Date: 17.AUG.2024 13:19:11

LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB

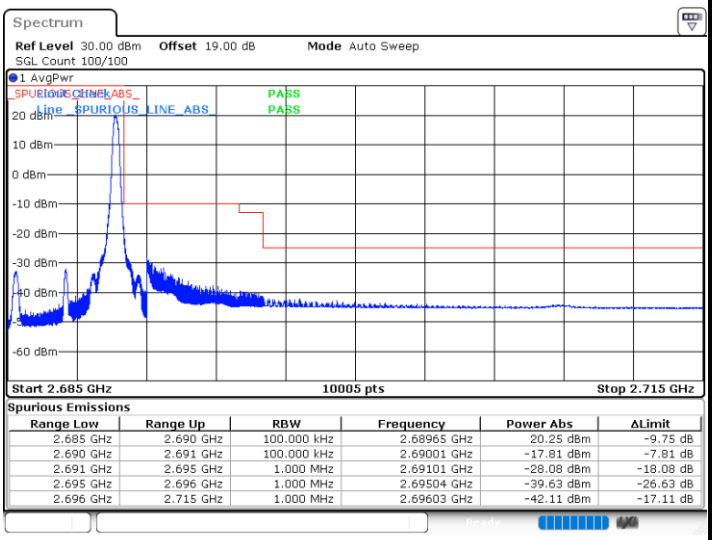


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48984 GHz	-41.28 dBm	-16.28 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49480 GHz	-30.96 dBm	-17.96 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-23.87 dBm	-10.87 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49635 GHz	19.42 dBm	-10.58 dB

Date: 16.AUG.2024 16:26:34

Highest Band Edge / 1 RB

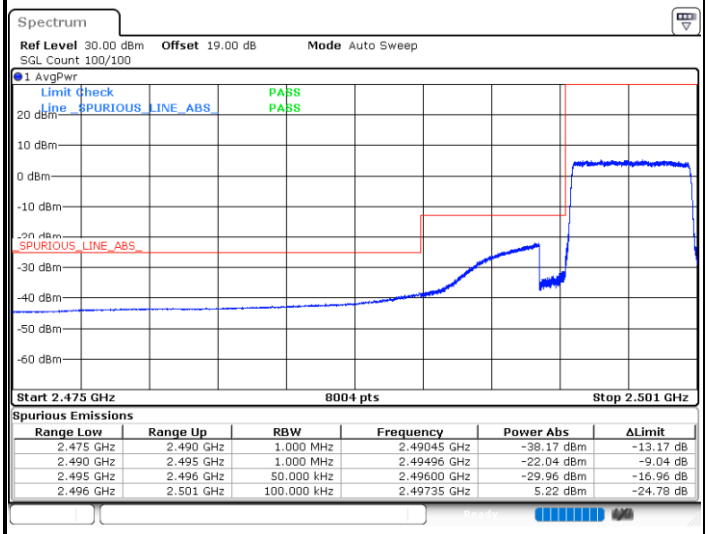


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68965 GHz	20.25 dBm	-9.75 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69001 GHz	-17.81 dBm	-7.81 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-28.08 dBm	-18.08 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69504 GHz	-39.63 dBm	-26.63 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69603 GHz	-42.11 dBm	-17.11 dB

Date: 17.AUG.2024 13:16:34

Lowest Band Edge / Full RB

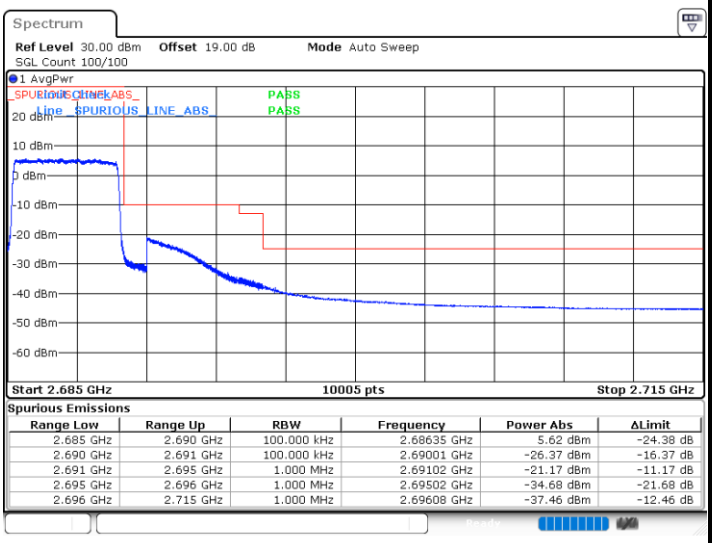


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49045 GHz	-38.17 dBm	-13.17 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-22.04 dBm	-9.04 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-29.96 dBm	-16.96 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49735 GHz	5.22 dBm	-24.78 dB

Date: 16.AUG.2024 16:27:25

Highest Band Edge / Full RB



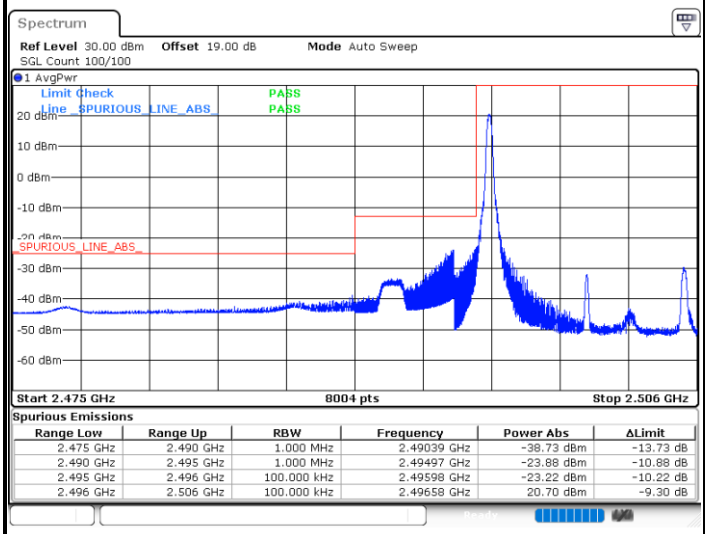
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68635 GHz	5.62 dBm	-24.38 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69001 GHz	-26.37 dBm	-16.37 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69102 GHz	-21.17 dBm	-11.17 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69502 GHz	-34.68 dBm	-21.68 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69608 GHz	-37.46 dBm	-12.46 dB

Date: 17.AUG.2024 13:18:09

LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

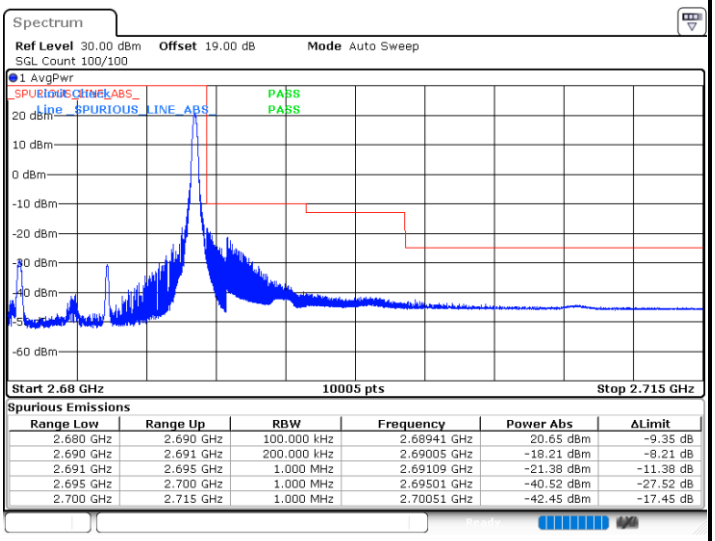


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49039 GHz	-38.73 dBm	-13.73 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-23.88 dBm	-10.88 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49598 GHz	-23.22 dBm	-10.22 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49658 GHz	20.70 dBm	-9.30 dB

Date: 16.AUG.2024 16:41:46

Highest Band Edge / 1 RB

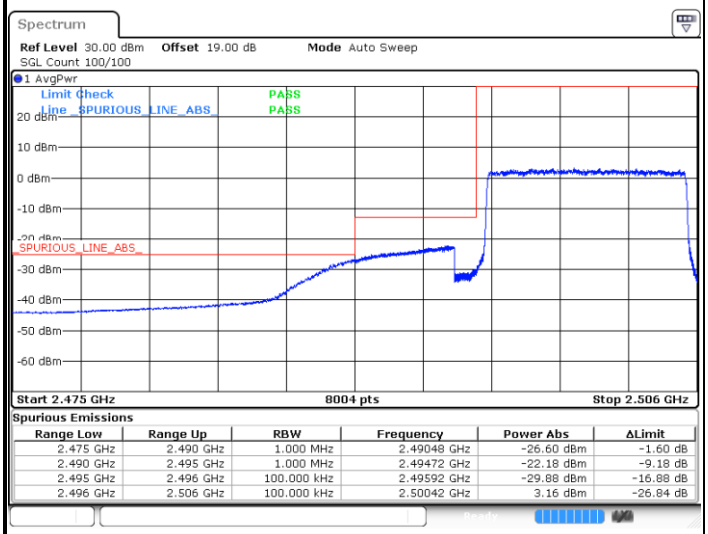


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68941 GHz	20.65 dBm	-9.35 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69005 GHz	-18.21 dBm	-8.21 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-21.38 dBm	-11.38 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69501 GHz	-40.52 dBm	-27.52 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70051 GHz	-42.45 dBm	-17.45 dB

Date: 16.AUG.2024 16:50:31

Lowest Band Edge / Full RB

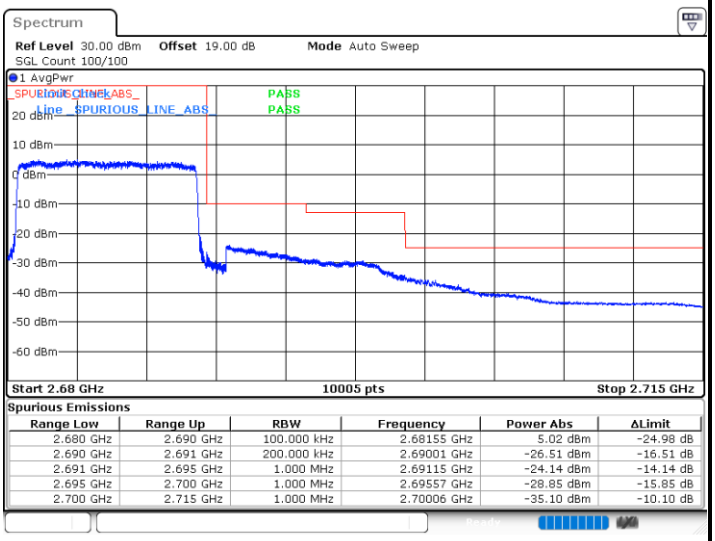


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-26.60 dBm	-1.60 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49472 GHz	-22.18 dBm	-9.18 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49592 GHz	-29.88 dBm	-16.88 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50042 GHz	3.16 dBm	-26.84 dB

Date: 21.AUG.2024 11:20:48

Highest Band Edge / Full RB



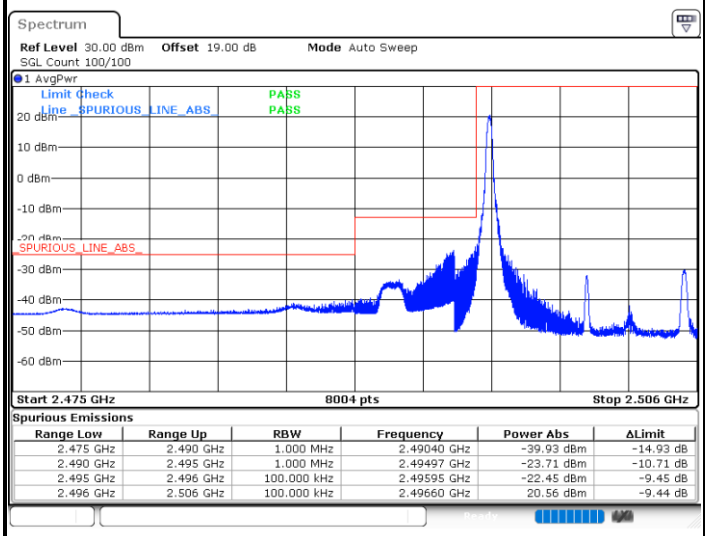
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68155 GHz	5.02 dBm	-24.98 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-26.51 dBm	-16.51 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69115 GHz	-24.14 dBm	-14.14 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69557 GHz	-28.85 dBm	-15.85 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70006 GHz	-35.10 dBm	-10.10 dB

Date: 16.AUG.2024 16:54:44

LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1RB

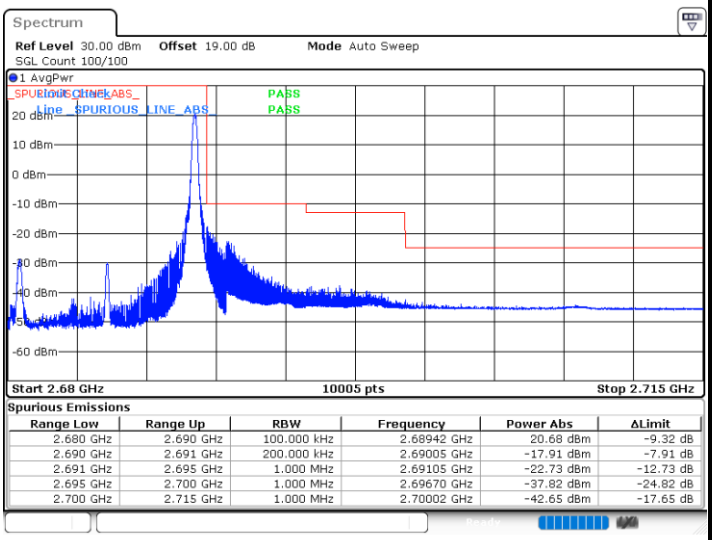


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49040 GHz	-39.93 dBm	-14.93 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-23.71 dBm	-10.71 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49595 GHz	-22.45 dBm	-9.45 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49660 GHz	20.56 dBm	-9.44 dB

Date: 16.AUG.2024 16:42:37

Highest Band Edge / 1 RB

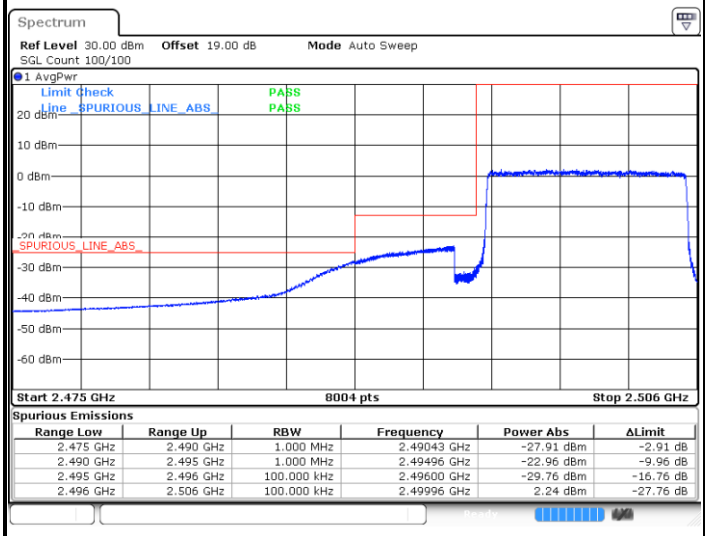


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68942 GHz	20.68 dBm	-9.32 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69005 GHz	-17.91 dBm	-7.91 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-22.73 dBm	-12.73 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69670 GHz	-37.82 dBm	-24.82 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70002 GHz	-42.65 dBm	-17.65 dB

Date: 16.AUG.2024 16:51:21

Lowest Band Edge / Full RB

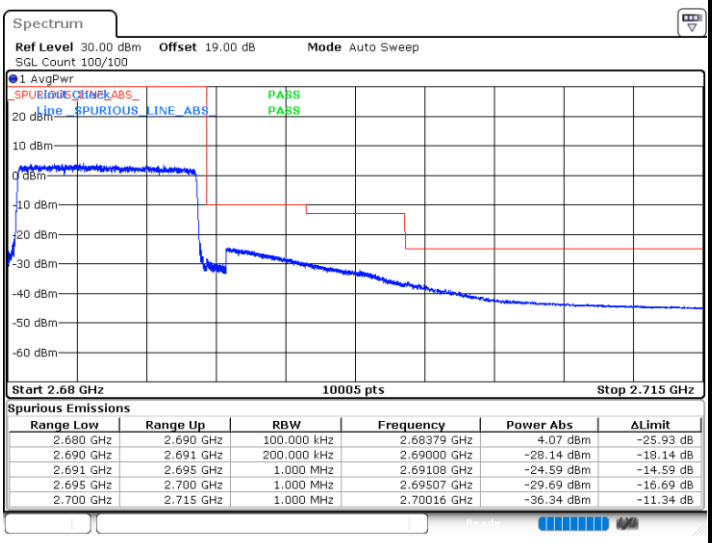


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-27.91 dBm	-2.91 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-22.96 dBm	-9.96 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-29.76 dBm	-16.76 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49996 GHz	2.24 dBm	-27.76 dB

Date: 21.AUG.2024 11:23:34

Highest Band Edge / Full RB



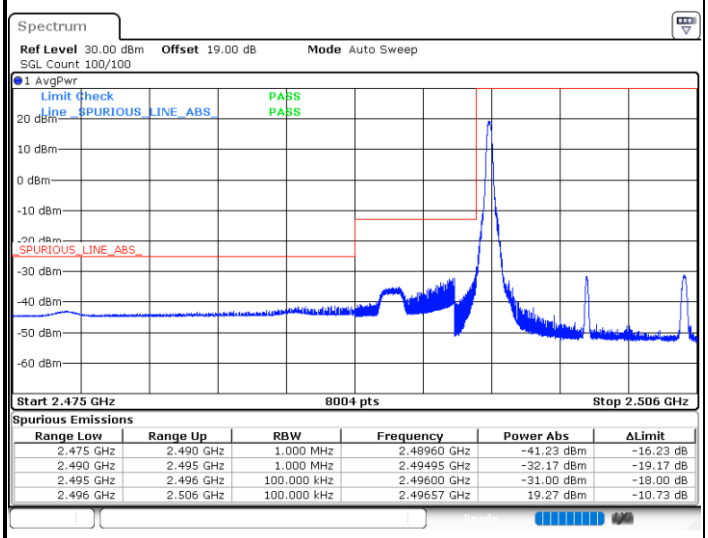
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68379 GHz	4.07 dBm	-25.93 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69000 GHz	-28.14 dBm	-18.14 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69108 GHz	-24.59 dBm	-14.59 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69507 GHz	-29.69 dBm	-16.69 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70016 GHz	-36.34 dBm	-11.34 dB

Date: 16.AUG.2024 16:53:53

LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1RB

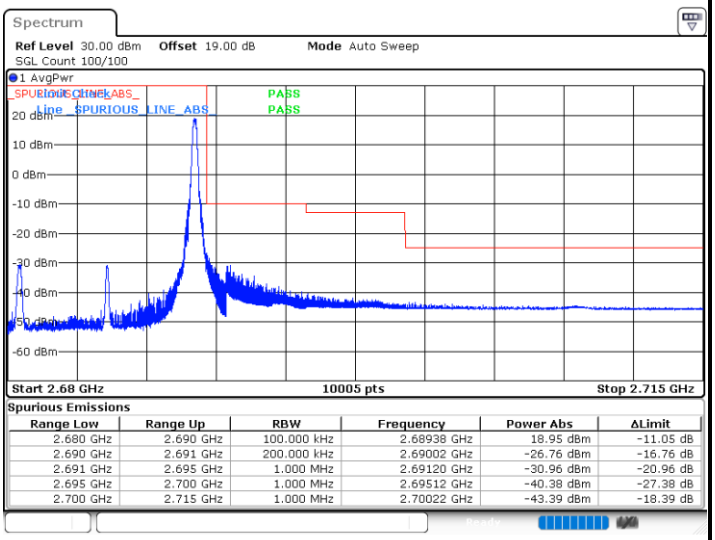


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48960 GHz	-41.23 dBm	-16.23 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49495 GHz	-32.17 dBm	-19.17 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-31.00 dBm	-18.00 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49657 GHz	19.27 dBm	-10.73 dB

Date: 16.AUG.2024 16:43:28

Highest Band Edge / 1 RB

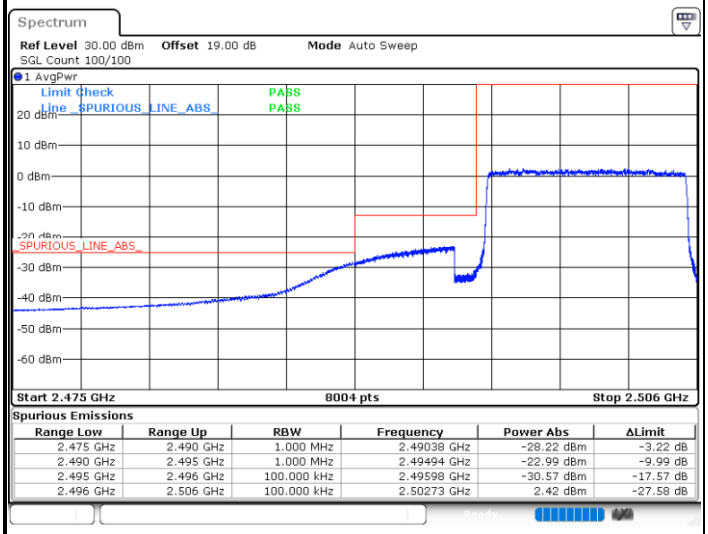


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68938 GHz	18.95 dBm	-11.05 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69002 GHz	-26.76 dBm	-16.76 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69120 GHz	-30.96 dBm	-20.96 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69512 GHz	-40.38 dBm	-27.38 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70022 GHz	-43.39 dBm	-18.39 dB

Date: 16.AUG.2024 16:52:12

Lowest Band Edge / Full RB

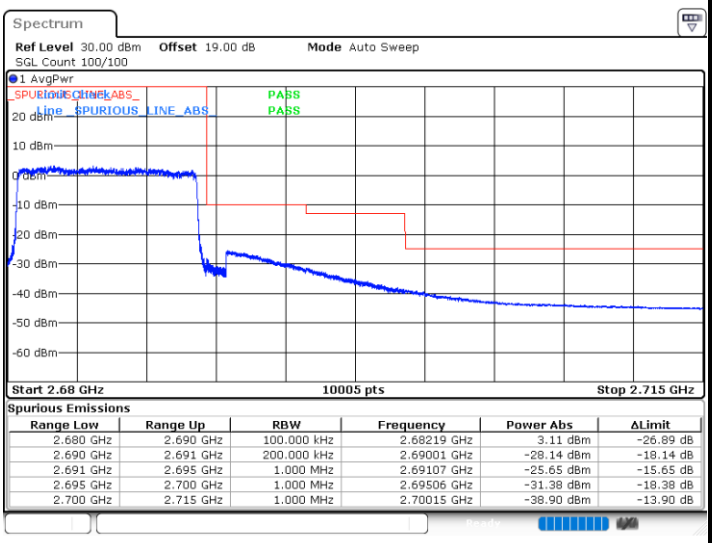


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49038 GHz	-28.22 dBm	-3.22 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49494 GHz	-22.99 dBm	-9.99 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49598 GHz	-30.57 dBm	-17.57 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50273 GHz	2.42 dBm	-27.58 dB

Date: 16.AUG.2024 16:44:19

Highest Band Edge / Full RB



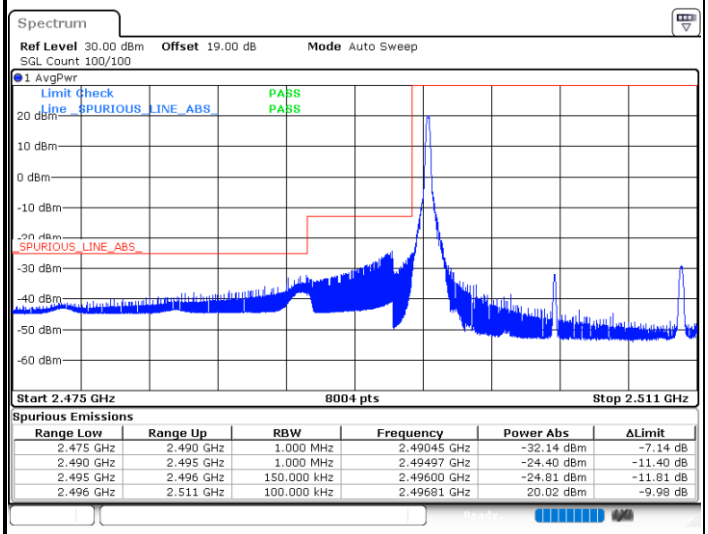
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68219 GHz	3.11 dBm	-26.89 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-28.14 dBm	-18.14 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69107 GHz	-25.65 dBm	-15.65 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69506 GHz	-31.38 dBm	-18.38 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70015 GHz	-38.90 dBm	-13.90 dB

Date: 16.AUG.2024 16:53:03

LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB

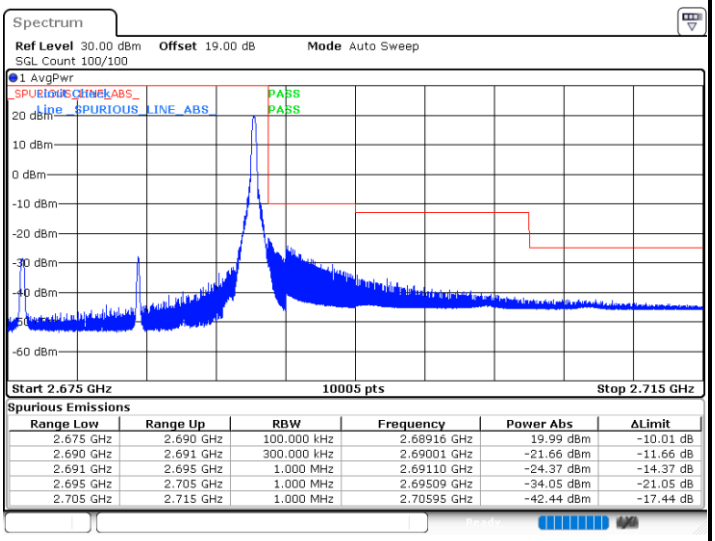


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49045 GHz	-32.14 dBm	-7.14 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-24.40 dBm	-11.40 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49600 GHz	-24.81 dBm	-11.81 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49681 GHz	20.02 dBm	-9.98 dB

Date: 16.AUG.2024 16:57:28

Highest Band Edge / 1 RB

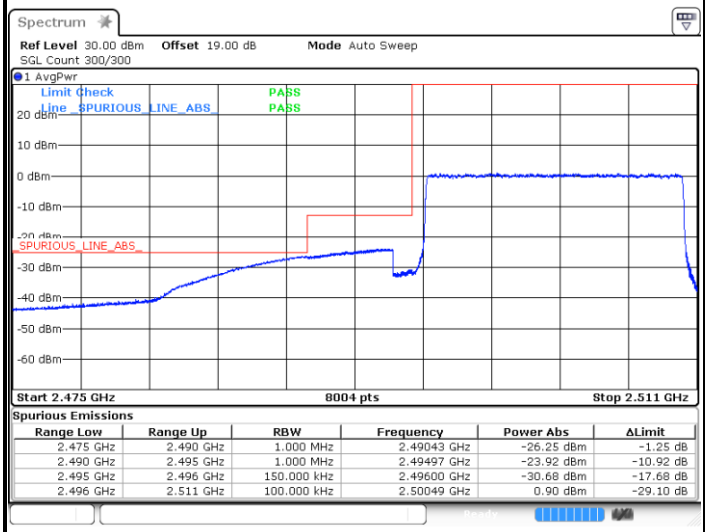


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68916 GHz	19.99 dBm	-10.01 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69001 GHz	-21.66 dBm	-11.66 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69110 GHz	-24.37 dBm	-14.37 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69509 GHz	-34.05 dBm	-21.05 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70595 GHz	-42.44 dBm	-17.44 dB

Date: 16.AUG.2024 17:06:14

Lowest Band Edge / Full RB

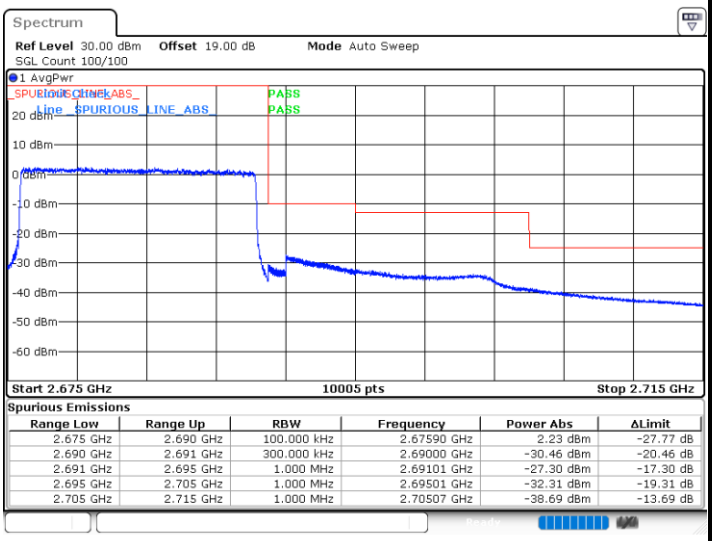


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-26.25 dBm	-1.25 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-23.92 dBm	-10.92 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49600 GHz	-30.68 dBm	-17.68 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50049 GHz	0.90 dBm	-29.10 dB

Date: 21.AUG.2024 11:37:03

Highest Band Edge / Full RB



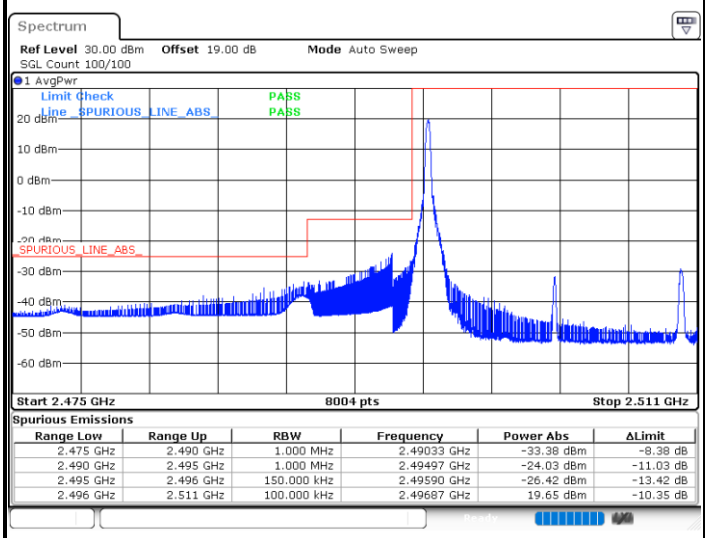
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67590 GHz	2.23 dBm	-27.77 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69000 GHz	-30.46 dBm	-20.46 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-27.30 dBm	-17.30 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69501 GHz	-32.31 dBm	-19.31 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70507 GHz	-38.69 dBm	-13.69 dB

Date: 16.AUG.2024 17:10:41

LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1RB

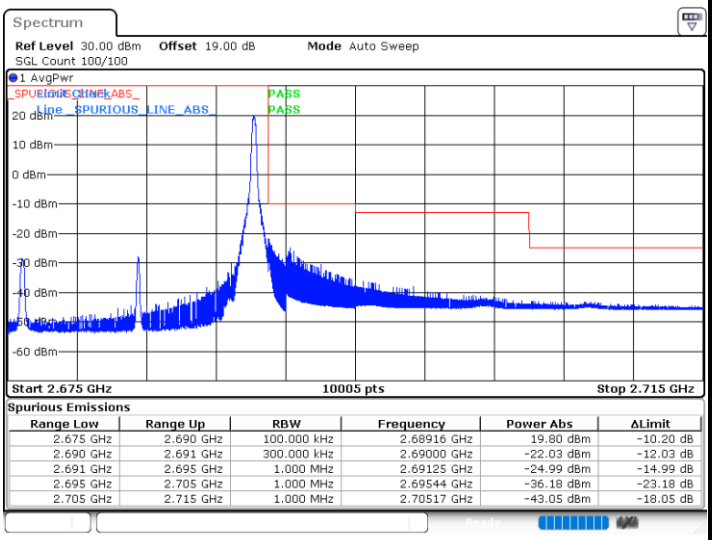


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-33.38 dBm	-8.38 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-24.03 dBm	-11.03 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49590 GHz	-26.42 dBm	-13.42 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49687 GHz	19.65 dBm	-10.35 dB

Date: 16.AUG.2024 16:58:19

Highest Band Edge / 1 RB

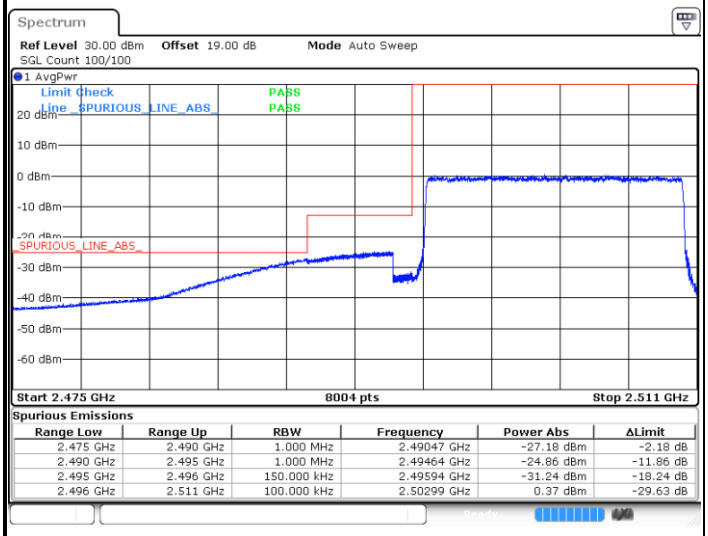


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68916 GHz	19.80 dBm	-10.20 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69000 GHz	-22.03 dBm	-12.03 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69125 GHz	-24.99 dBm	-14.99 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69544 GHz	-36.18 dBm	-23.18 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70517 GHz	-43.05 dBm	-18.05 dB

Date: 16.AUG.2024 17:07:08

Lowest Band Edge / Full RB

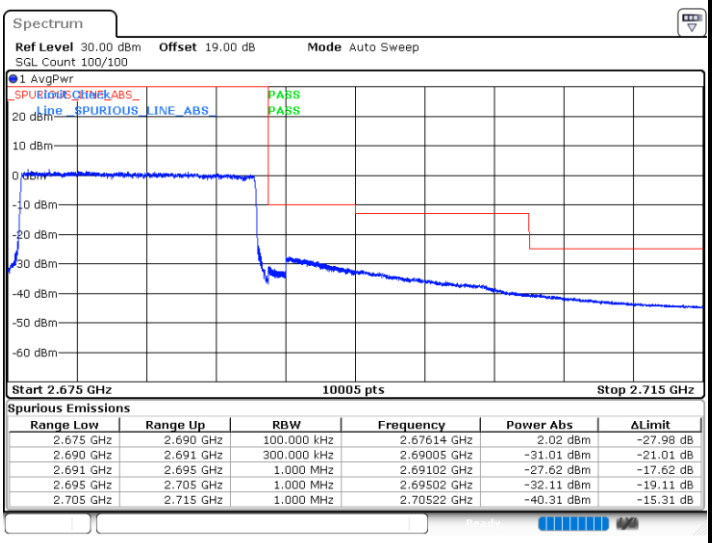


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-27.18 dBm	-2.18 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49464 GHz	-24.86 dBm	-11.86 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49594 GHz	-31.24 dBm	-18.24 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50299 GHz	0.37 dBm	-29.63 dB

Date: 21.AUG.2024 11:31:54

Highest Band Edge / Full RB



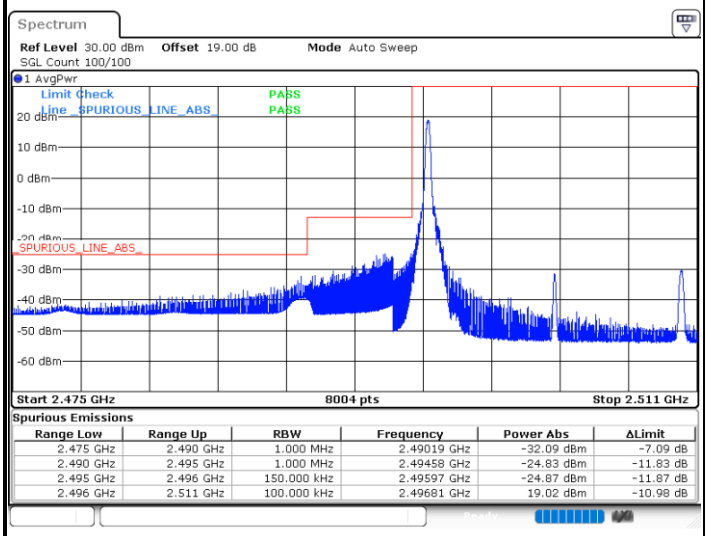
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67614 GHz	2.02 dBm	-27.98 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69005 GHz	-31.01 dBm	-21.01 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69102 GHz	-27.62 dBm	-17.62 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69502 GHz	-32.11 dBm	-19.11 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70522 GHz	-40.31 dBm	-15.31 dB

Date: 16.AUG.2024 17:09:48

LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1RB

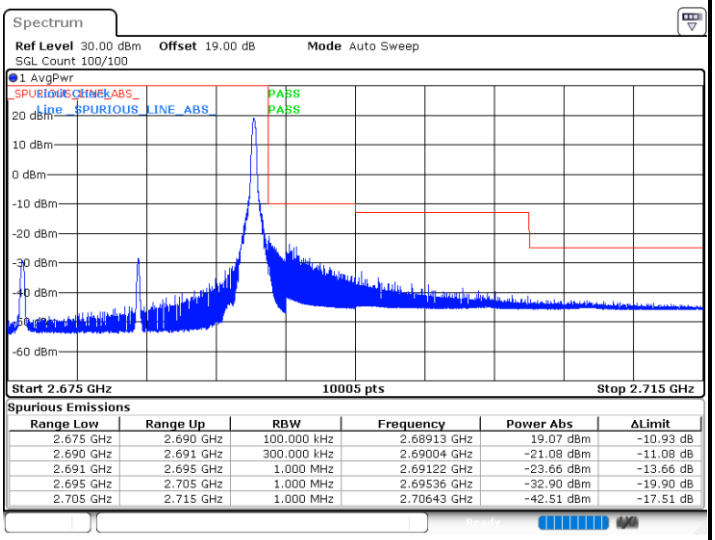


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49019 GHz	-32.09 dBm	-7.09 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49458 GHz	-24.83 dBm	-11.83 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49597 GHz	-24.87 dBm	-11.87 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49681 GHz	19.02 dBm	-10.98 dB

Date: 16.AUG.2024 16:59:09

Highest Band Edge / 1 RB

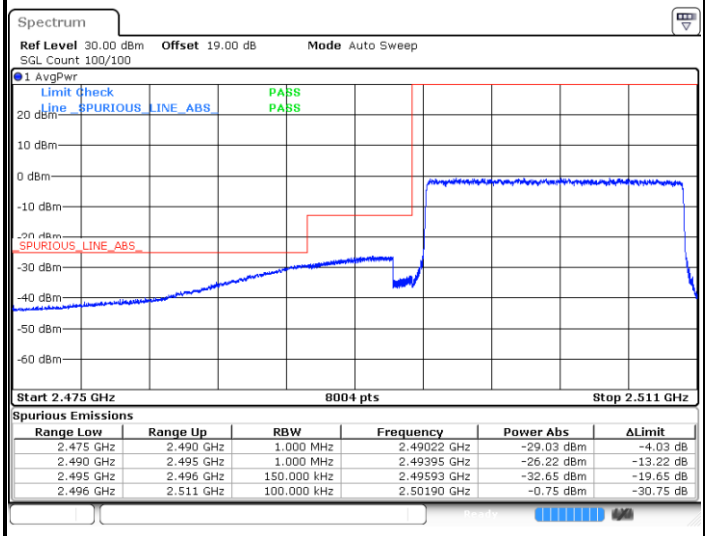


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68913 GHz	19.07 dBm	-10.93 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69004 GHz	-21.08 dBm	-11.08 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69122 GHz	-23.66 dBm	-13.66 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69536 GHz	-32.90 dBm	-19.90 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70643 GHz	-42.51 dBm	-17.51 dB

Date: 16.AUG.2024 17:08:01

Lowest Band Edge / Full RB

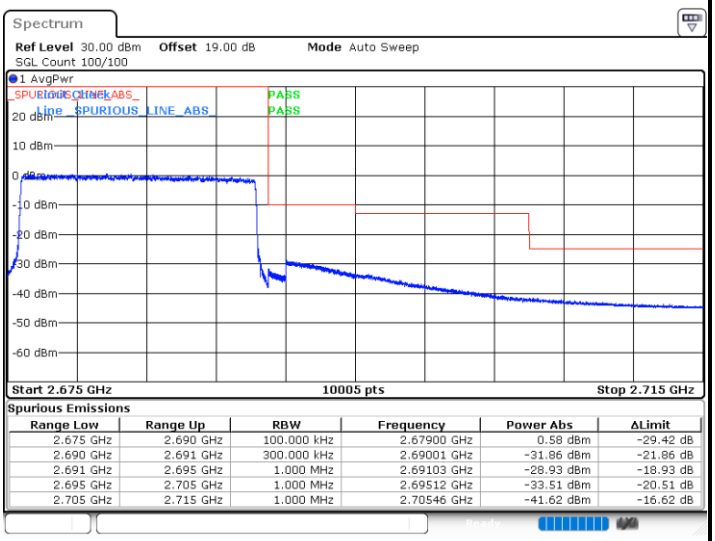


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49022 GHz	-29.03 dBm	-4.03 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49395 GHz	-26.22 dBm	-13.22 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49593 GHz	-32.65 dBm	-19.65 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50190 GHz	-0.75 dBm	-30.75 dB

Date: 21.AUG.2024 11:33:28

Highest Band Edge / Full RB



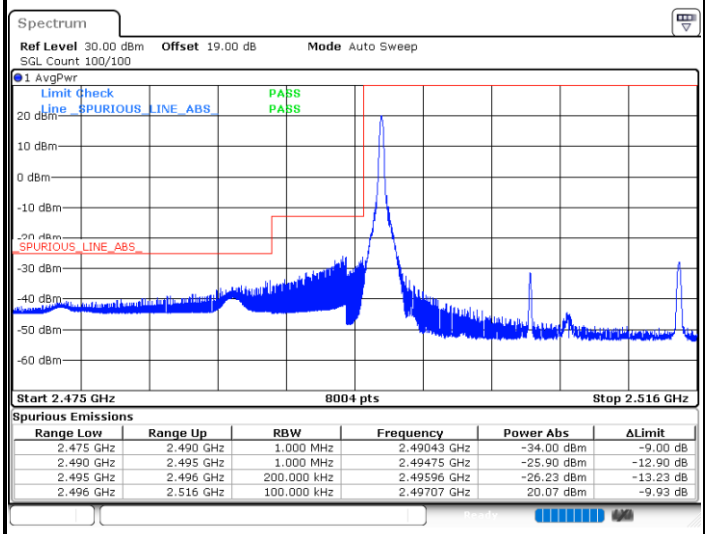
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67900 GHz	0.58 dBm	-29.42 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69001 GHz	-31.86 dBm	-21.86 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69103 GHz	-28.93 dBm	-18.93 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69512 GHz	-33.51 dBm	-20.51 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70546 GHz	-41.62 dBm	-16.62 dB

Date: 16.AUG.2024 17:08:54

LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

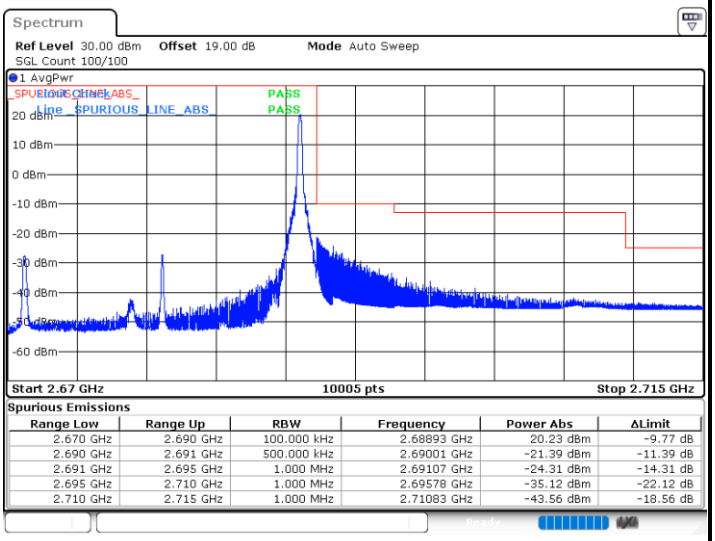


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-34.00 dBm	-9.00 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49475 GHz	-25.90 dBm	-12.90 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49596 GHz	-26.23 dBm	-13.23 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49707 GHz	20.07 dBm	-9.93 dB

Date: 16.AUG.2024 17:13:25

Highest Band Edge / 1 RB

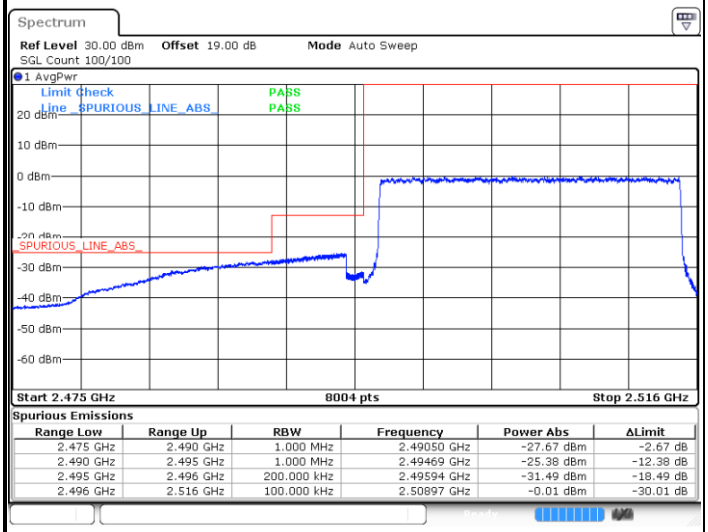


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68893 GHz	20.23 dBm	-9.77 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-21.39 dBm	-11.39 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69107 GHz	-24.31 dBm	-14.31 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69578 GHz	-35.12 dBm	-22.12 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71083 GHz	-43.56 dBm	-18.56 dB

Date: 16.AUG.2024 17:23:33

Lowest Band Edge / Full RB

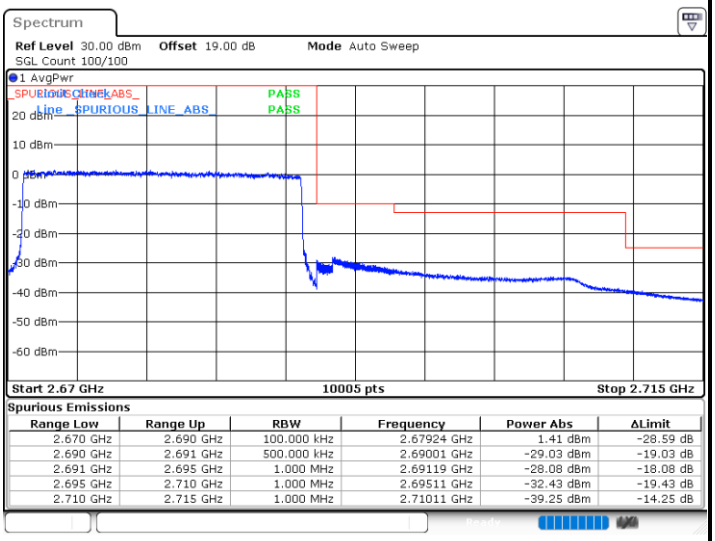


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49050 GHz	-27.67 dBm	-2.67 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49469 GHz	-25.38 dBm	-12.38 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49594 GHz	-31.49 dBm	-18.49 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50897 GHz	-0.01 dBm	-30.01 dB

Date: 21.AUG.2024 11:40:46

Highest Band Edge / Full RB



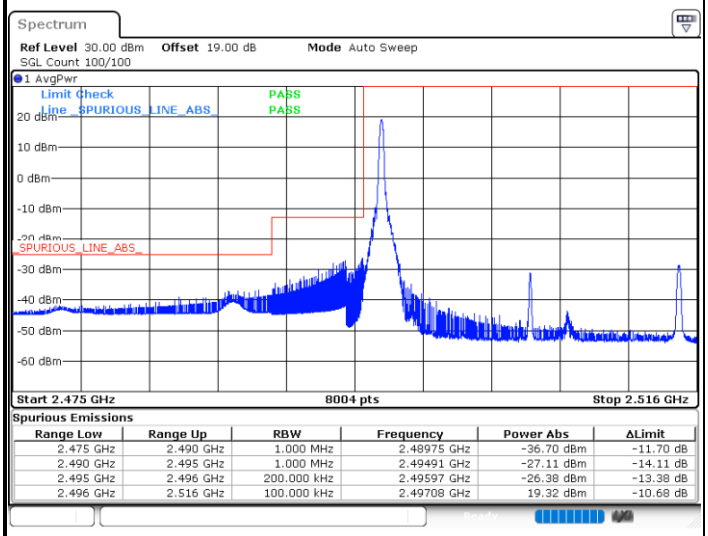
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67924 GHz	1.41 dBm	-28.59 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-29.03 dBm	-19.03 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69119 GHz	-28.08 dBm	-18.08 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69511 GHz	-32.43 dBm	-19.43 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71011 GHz	-39.25 dBm	-14.25 dB

Date: 16.AUG.2024 17:28:01

LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1RB

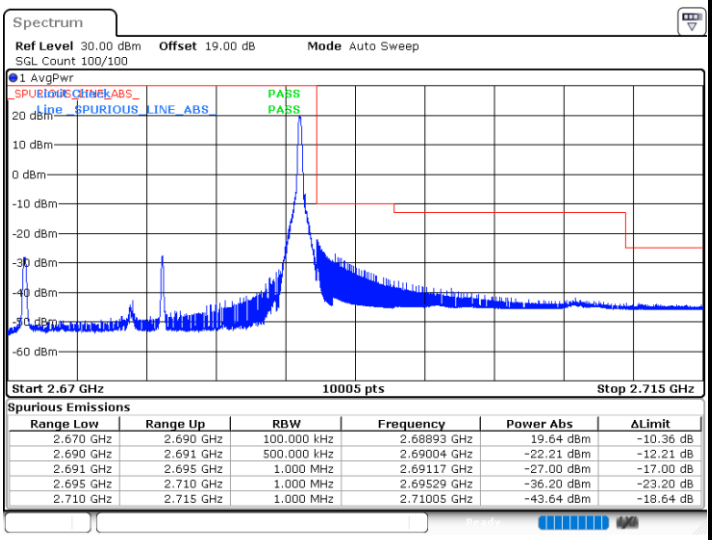


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-36.70 dBm	-11.70 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49491 GHz	-27.11 dBm	-14.11 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49597 GHz	-26.38 dBm	-13.38 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49708 GHz	19.32 dBm	-10.68 dB

Date: 16.AUG.2024 17:14:16

Highest Band Edge / 1 RB

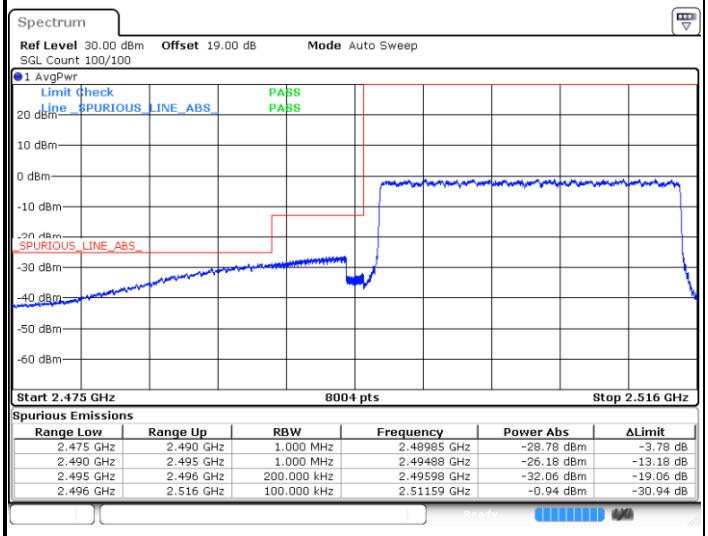


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68893 GHz	19.64 dBm	-10.36 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69004 GHz	-22.21 dBm	-12.21 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69117 GHz	-27.00 dBm	-17.00 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69529 GHz	-36.20 dBm	-23.20 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71005 GHz	-43.64 dBm	-18.64 dB

Date: 16.AUG.2024 17:24:26

Lowest Band Edge / Full RB

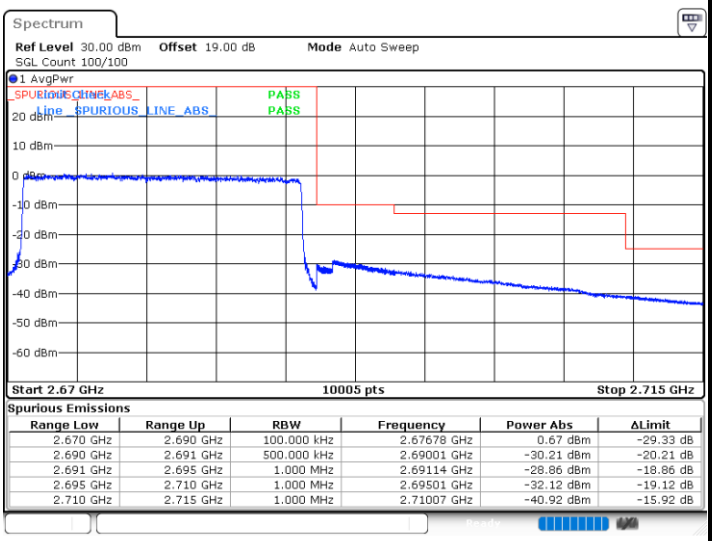


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48985 GHz	-28.78 dBm	-3.78 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49488 GHz	-26.18 dBm	-13.18 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49598 GHz	-32.06 dBm	-19.06 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.51159 GHz	-0.94 dBm	-30.94 dB

Date: 21.AUG.2024 11:42:46

Highest Band Edge / Full RB



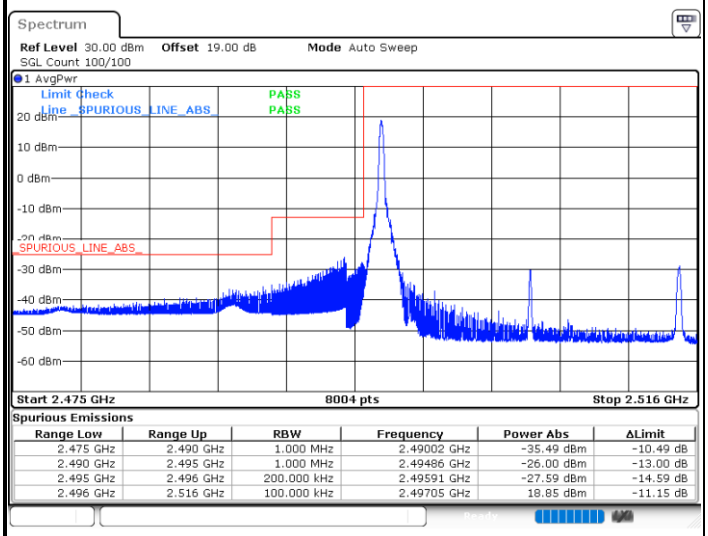
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67678 GHz	0.67 dBm	-29.33 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-30.21 dBm	-20.21 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69114 GHz	-28.86 dBm	-18.86 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69501 GHz	-32.12 dBm	-19.12 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71007 GHz	-40.92 dBm	-15.92 dB

Date: 16.AUG.2024 17:27:07

LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1RB

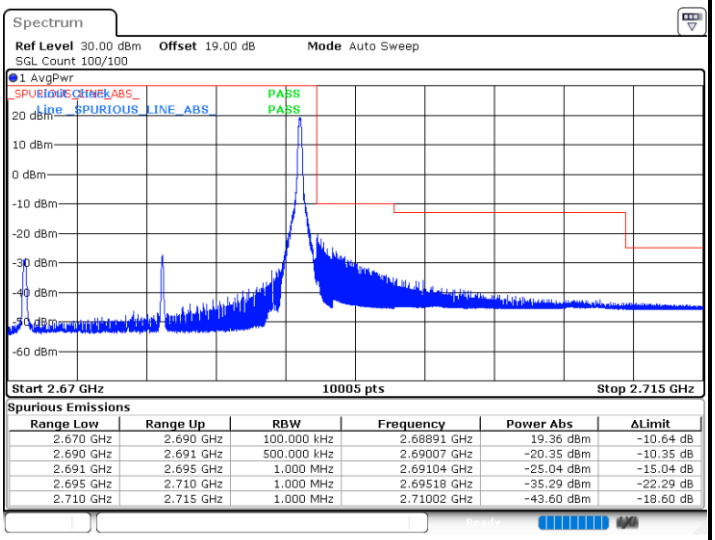


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49002 GHz	-35.49 dBm	-10.49 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49486 GHz	-26.00 dBm	-13.00 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49591 GHz	-27.59 dBm	-14.59 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49705 GHz	18.85 dBm	-11.15 dB

Date: 16.AUG.2024 17:15:07

Highest Band Edge / 1 RB

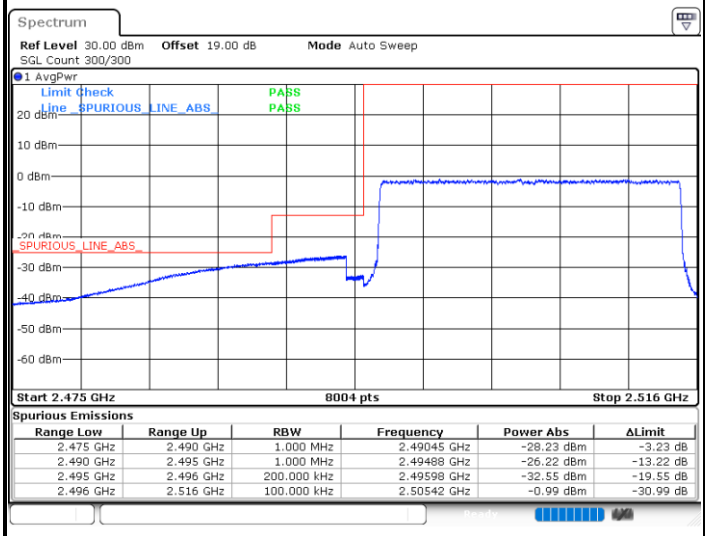


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68891 GHz	19.36 dBm	-10.64 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69007 GHz	-20.35 dBm	-10.35 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69104 GHz	-25.04 dBm	-15.04 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69518 GHz	-35.29 dBm	-22.29 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71002 GHz	-43.60 dBm	-18.60 dB

Date: 16.AUG.2024 17:25:20

Lowest Band Edge / Full RB

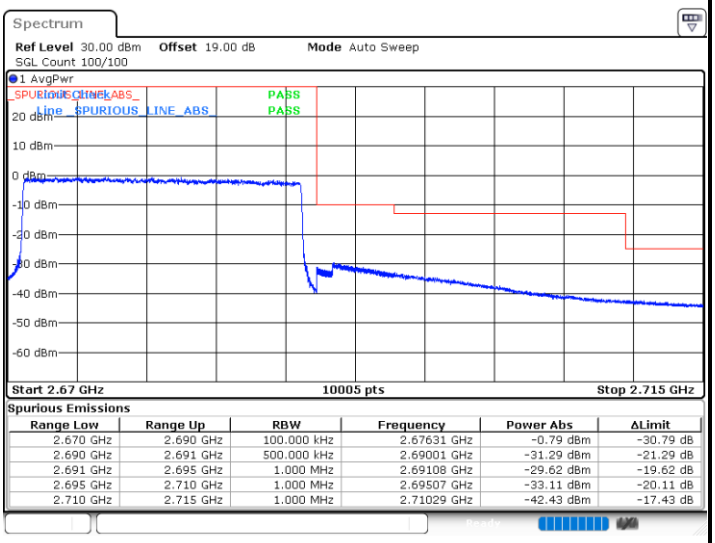


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49045 GHz	-28.23 dBm	-3.23 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49488 GHz	-26.22 dBm	-13.22 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49598 GHz	-32.55 dBm	-19.55 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50542 GHz	-0.99 dBm	-30.99 dB

Date: 17.AUG.2024 13:51:10

Highest Band Edge / Full RB



Spurious Emissions

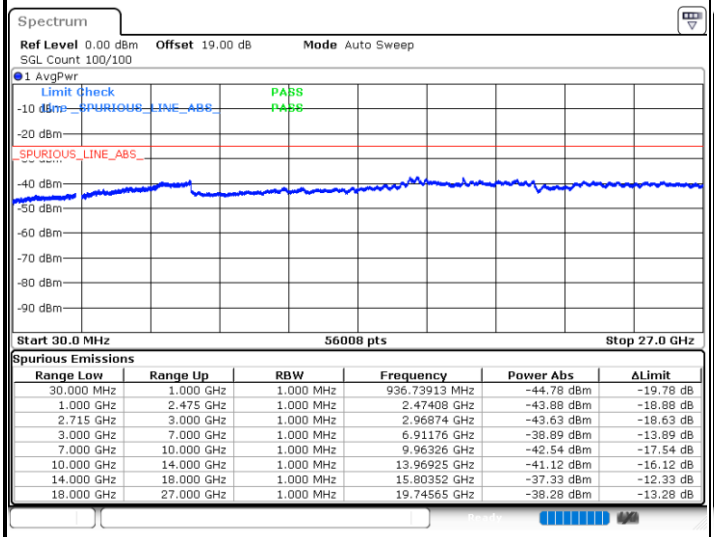
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67631 GHz	-0.79 dBm	-30.79 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-31.29 dBm	-21.29 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69108 GHz	-29.62 dBm	-19.62 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69507 GHz	-33.11 dBm	-20.11 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71029 GHz	-42.43 dBm	-17.43 dB

Date: 16.AUG.2024 17:26:13

Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

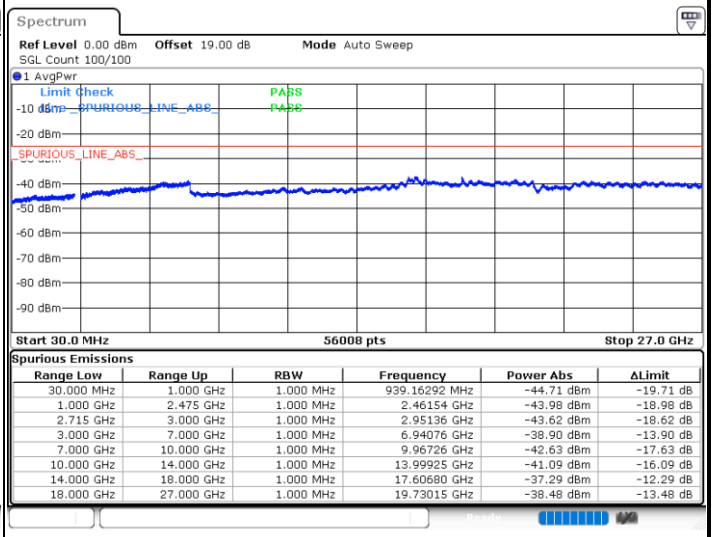


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	936.73913 MHz	-44.78 dBm	-19.78 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47408 GHz	-43.88 dBm	-18.88 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96874 GHz	-43.63 dBm	-18.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91176 GHz	-38.89 dBm	-13.89 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96326 GHz	-42.54 dBm	-17.54 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.96925 GHz	-41.12 dBm	-16.12 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.80352 GHz	-37.33 dBm	-12.33 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.74565 GHz	-38.28 dBm	-13.28 dB

Date: 16.AUG.2024 16:30:18

Middle Channel / QPSK

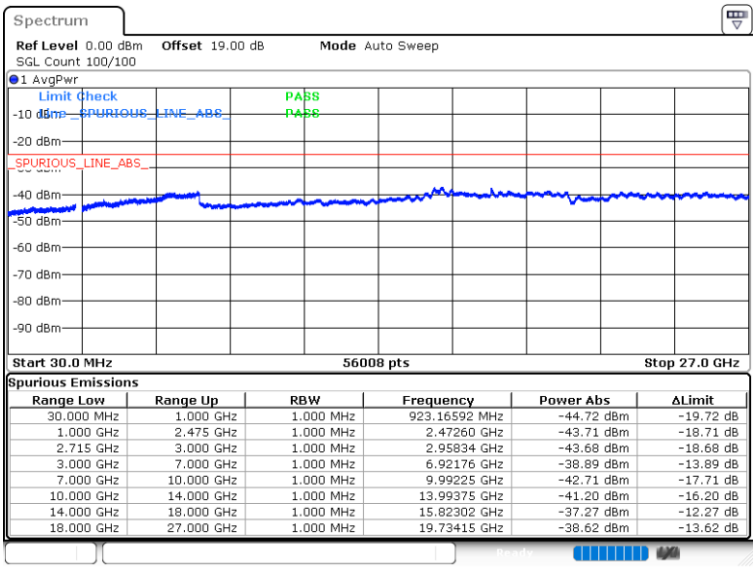


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.16292 MHz	-44.71 dBm	-19.71 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46154 GHz	-43.98 dBm	-18.98 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.95136 GHz	-43.62 dBm	-18.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94076 GHz	-38.90 dBm	-13.90 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96726 GHz	-42.63 dBm	-17.63 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99925 GHz	-41.09 dBm	-16.09 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.60680 GHz	-37.29 dBm	-12.29 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.73015 GHz	-38.48 dBm	-13.48 dB

Date: 16.AUG.2024 16:31:28

Highest Channel / QPSK



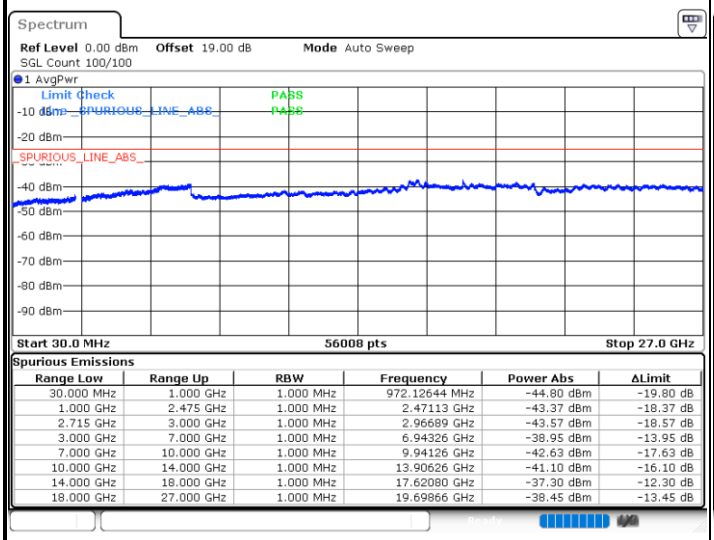
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	923.16592 MHz	-44.72 dBm	-19.72 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47260 GHz	-43.71 dBm	-18.71 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.95834 GHz	-43.68 dBm	-18.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92176 GHz	-38.89 dBm	-13.89 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99225 GHz	-42.71 dBm	-17.71 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99375 GHz	-41.20 dBm	-16.20 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.82302 GHz	-37.27 dBm	-12.27 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.73415 GHz	-38.62 dBm	-13.62 dB

Date: 16.AUG.2024 16:40:13

LTE Band 41 / 10MHz

Lowest Channel / QPSK

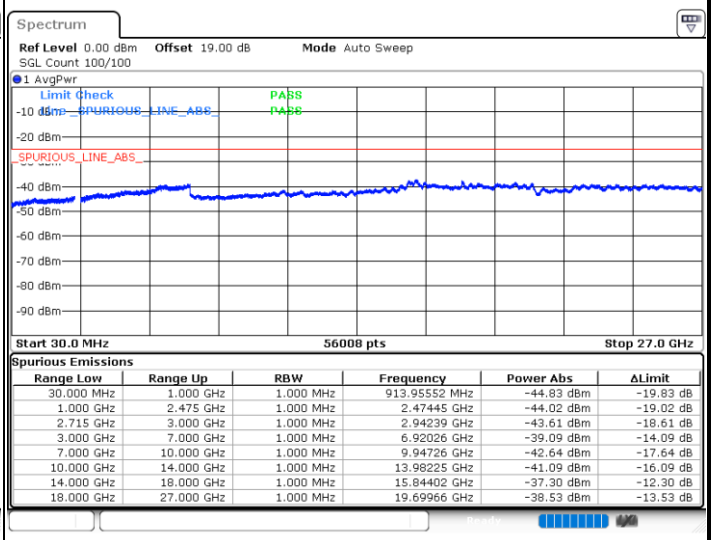


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	972.12644 MHz	-44.80 dBm	-19.80 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47113 GHz	-43.37 dBm	-18.37 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96689 GHz	-43.57 dBm	-18.57 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94326 GHz	-38.95 dBm	-13.95 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94126 GHz	-42.63 dBm	-17.63 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90626 GHz	-41.10 dBm	-16.10 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.62080 GHz	-37.30 dBm	-12.30 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.69866 GHz	-38.45 dBm	-13.45 dB

Date: 16.AUG.2024 16:47:11

Middle Channel / QPSK

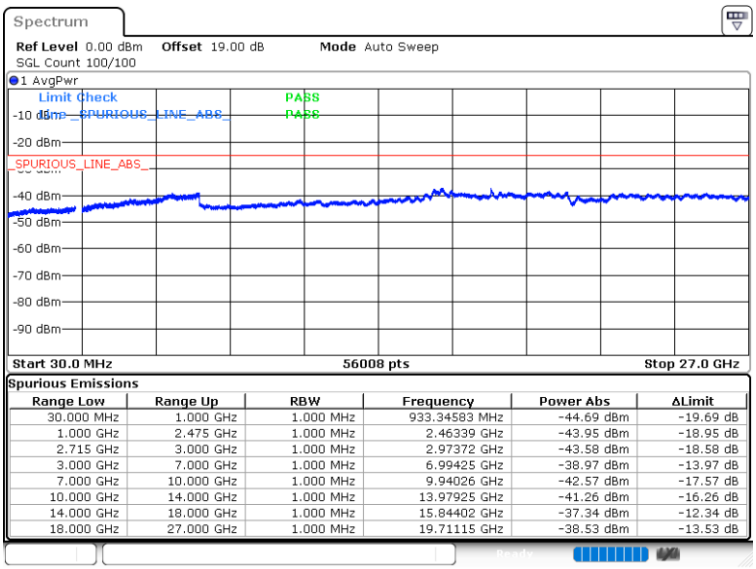


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	913.95552 MHz	-44.83 dBm	-19.83 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47445 GHz	-44.02 dBm	-19.02 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.94239 GHz	-43.61 dBm	-18.61 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92026 GHz	-39.09 dBm	-14.09 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94726 GHz	-42.64 dBm	-17.64 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98225 GHz	-41.09 dBm	-16.09 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.84402 GHz	-37.30 dBm	-12.30 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.69966 GHz	-38.53 dBm	-13.53 dB

Date: 16.AUG.2024 16:48:21

Highest Channel / QPSK



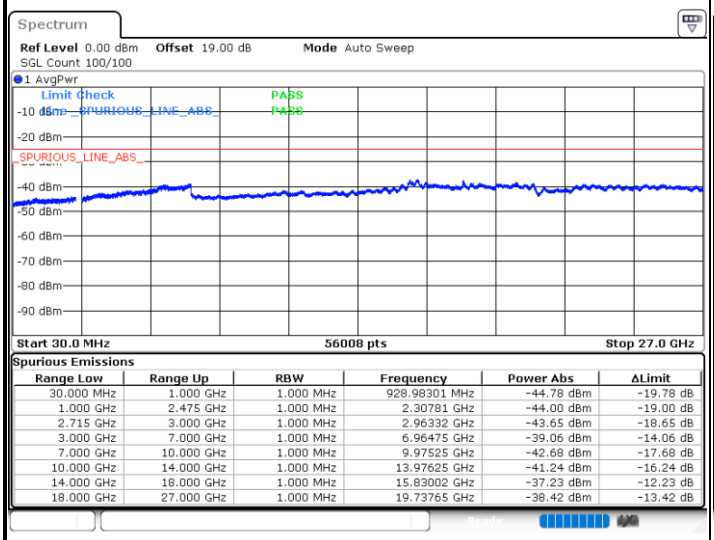
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.34583 MHz	-44.69 dBm	-19.69 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46339 GHz	-43.95 dBm	-18.95 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97372 GHz	-43.58 dBm	-18.58 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-38.97 dBm	-13.97 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94026 GHz	-42.57 dBm	-17.57 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97925 GHz	-41.26 dBm	-16.26 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.84402 GHz	-37.34 dBm	-12.34 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.71115 GHz	-38.53 dBm	-13.53 dB

Date: 16.AUG.2024 16:55:54

LTE Band 41 / 15MHz

Lowest Channel / QPSK

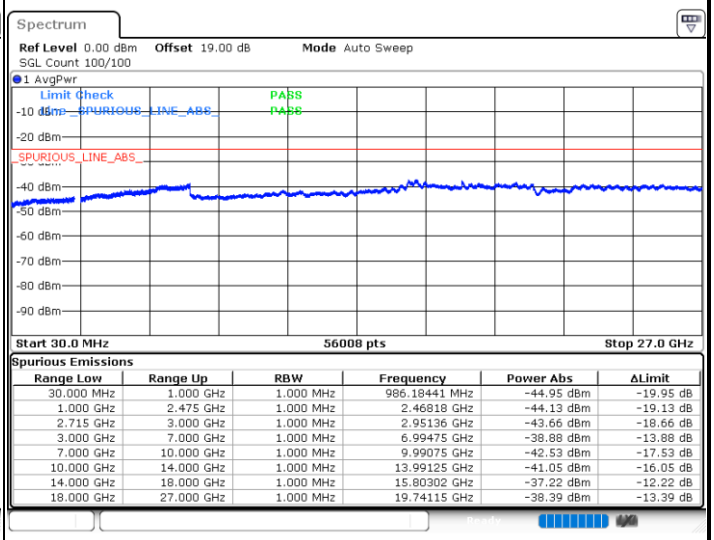


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.98301 MHz	-44.78 dBm	-19.78 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.30781 GHz	-44.00 dBm	-19.00 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96332 GHz	-43.65 dBm	-18.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96475 GHz	-39.06 dBm	-14.06 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.97525 GHz	-42.68 dBm	-17.68 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97625 GHz	-41.24 dBm	-16.24 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.83002 GHz	-37.23 dBm	-12.23 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.73765 GHz	-38.42 dBm	-13.42 dB

Date: 16.AUG.2024 17:02:52

Middle Channel / QPSK

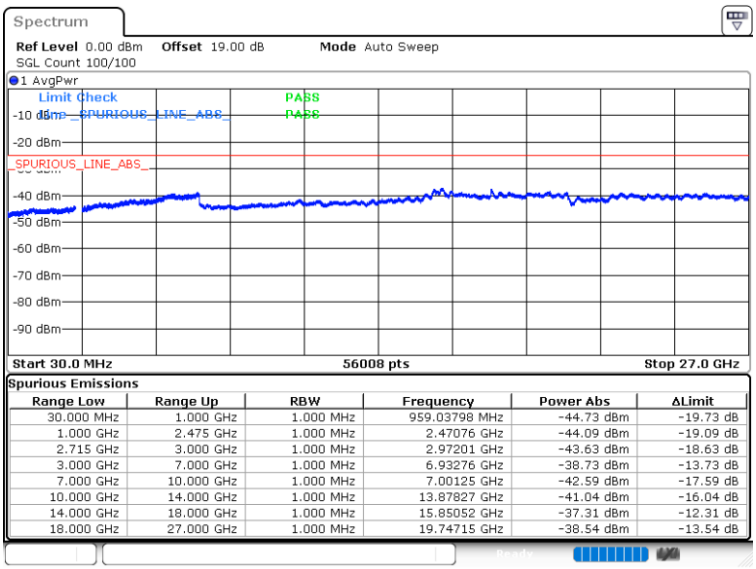


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.18441 MHz	-44.95 dBm	-19.95 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46818 GHz	-44.13 dBm	-19.13 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.95136 GHz	-43.66 dBm	-18.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99475 GHz	-38.88 dBm	-13.88 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.99075 GHz	-42.53 dBm	-17.53 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99125 GHz	-41.05 dBm	-16.05 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.80302 GHz	-37.22 dBm	-12.22 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.74115 GHz	-38.39 dBm	-13.39 dB

Date: 16.AUG.2024 17:04:02

Highest Channel / QPSK



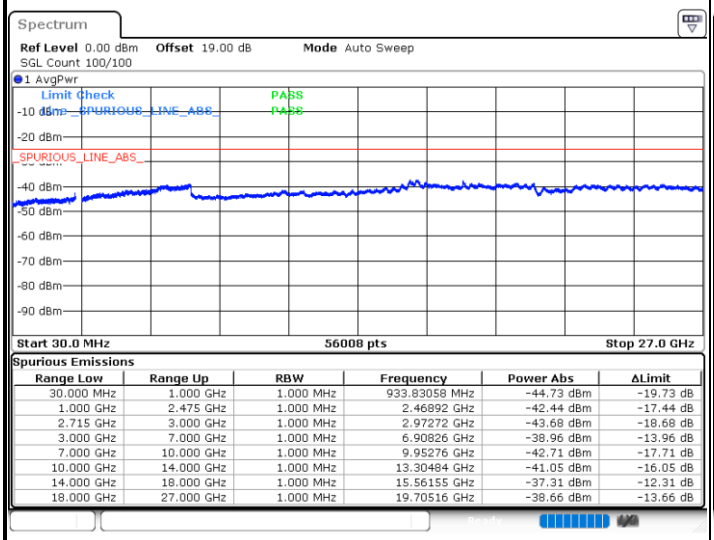
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.03798 MHz	-44.73 dBm	-19.73 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47076 GHz	-44.09 dBm	-19.09 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97201 GHz	-43.63 dBm	-18.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93276 GHz	-38.73 dBm	-13.73 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.00125 GHz	-42.59 dBm	-17.59 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.87827 GHz	-41.04 dBm	-16.04 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.85052 GHz	-37.31 dBm	-12.31 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.74715 GHz	-38.54 dBm	-13.54 dB

Date: 16.AUG.2024 17:11:51

LTE Band 41 / 20MHz

Lowest Channel / QPSK

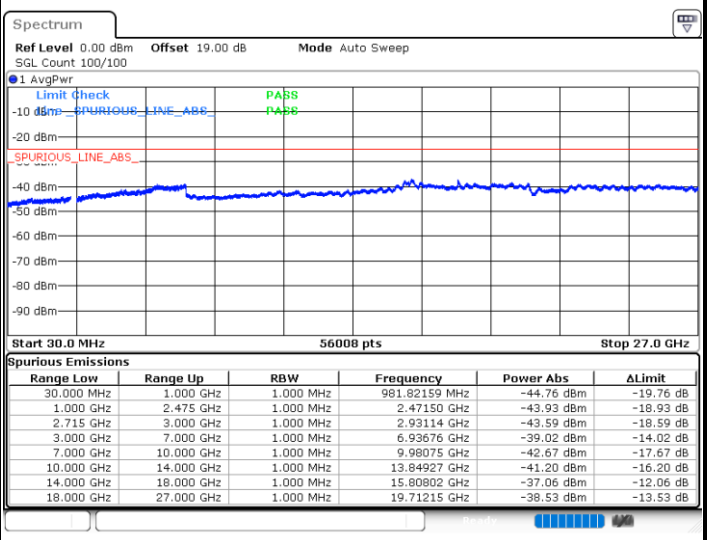


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	933.83058 MHz	-44.73 dBm	-19.73 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46892 GHz	-42.44 dBm	-17.44 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97272 GHz	-43.68 dBm	-18.68 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90826 GHz	-38.96 dBm	-13.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95276 GHz	-42.71 dBm	-17.71 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.30484 GHz	-41.05 dBm	-16.05 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.56155 GHz	-37.31 dBm	-12.31 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.70516 GHz	-38.66 dBm	-13.66 dB

Date: 16.AUG.2024 17:18:50

Middle Channel / QPSK

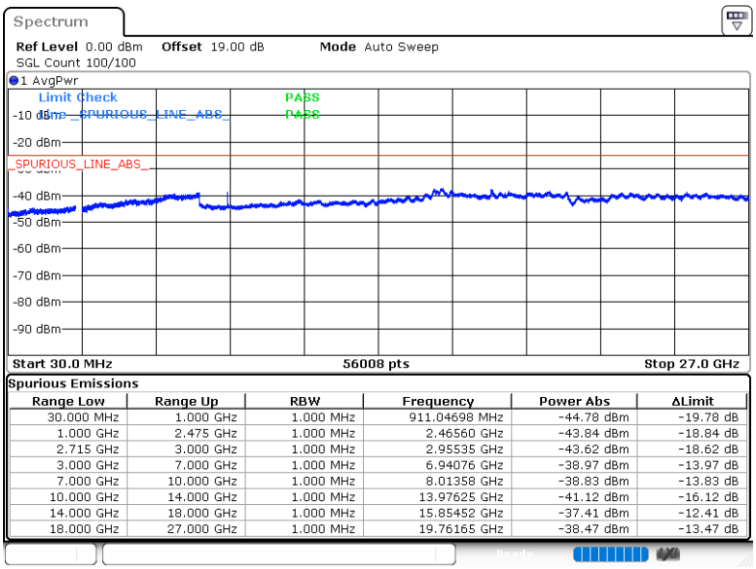


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-44.76 dBm	-19.76 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47150 GHz	-43.93 dBm	-18.93 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.93114 GHz	-43.59 dBm	-18.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93676 GHz	-39.02 dBm	-14.02 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98075 GHz	-42.67 dBm	-17.67 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.84927 GHz	-41.20 dBm	-16.20 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.80802 GHz	-37.06 dBm	-12.06 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.71215 GHz	-38.53 dBm	-13.53 dB

Date: 16.AUG.2024 17:20:00

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	911.04698 MHz	-44.78 dBm	-19.78 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46560 GHz	-43.84 dBm	-18.84 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.95535 GHz	-43.62 dBm	-18.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94076 GHz	-38.97 dBm	-13.97 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.01358 GHz	-38.83 dBm	-13.83 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97625 GHz	-41.12 dBm	-16.12 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.85452 GHz	-37.41 dBm	-12.41 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.76165 GHz	-38.47 dBm	-13.47 dB

Date: 16.AUG.2024 17:29:11

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.6 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 :	Shunping You	Temperature :	22~25℃
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 2 / 20MHz / QPSK / ANT 1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-58.91	-13	-45.91	-73.54	-65.66	5.85	12.60
	5613.27	-53.57	-13	-40.57	-71.29	-59.37	7.30	13.10
	7484.36	-56.18	-13	-43.18	-78.59	-59.33	8.35	11.50
	3742.18	-60.69	-13	-47.69	-75.53	-67.44	5.85	12.60
	5613.27	-53.22	-13	-40.22	-70.85	-59.02	7.30	13.10
	7484.36	-56.38	-13	-43.38	-78.72	-59.53	8.35	11.50

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

LTE Band 4 / 20MHz / QPSK / ANT 1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447.18	-64.39	-13	-51.39	-76.93	-71.24	5.65	12.50
	5170.77	-58.93	-13	-45.93	-76.46	-64.60	7.13	12.80
	6894.36	-58.34	-13	-45.34	-79.02	-61.74	8.40	11.80
	3447.18	-63.89	-13	-50.89	-76.98	-70.74	5.65	12.50
	5170.77	-61.50	-13	-48.50	-78.98	-67.17	7.13	12.80
	6894.36	-58.63	-13	-45.63	-79.22	-62.03	8.40	11.80

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

LTE Band 7 / 20MHz / QPSK / ANT 1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.18	-61.97	-25	-36.97	-79.39	-67.53	7.14	12.70
	7578.27	-56.55	-25	-31.55	-78.74	-59.85	8.30	11.60
	10104.36	-52.94	-25	-27.94	-80.03	-54.46	10.48	12.00
	5052.18	-61.70	-25	-36.70	-79.05	-67.26	7.14	12.70
	7578.27	-56.45	-25	-31.45	-78.44	-59.75	8.30	11.60
	10104.36	-53.21	-25	-28.21	-79.81	-54.73	10.48	12.00

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

LTE Band 26 / 10MHz / QPSK / ANT 1								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1649.5	-67.64	-13	-54.64	-73.90	-70.89	4.00	9.40
	2474.25	-65.40	-13	-52.40	-75.75	-68.97	4.88	10.60
	3299	-63.65	-13	-50.65	-76.06	-68.58	5.52	12.60
	1649.5	-67.95	-13	-54.95	-74.09	-71.20	4.00	9.40
	2474.25	-65.02	-13	-52.02	-75.72	-68.59	4.88	10.60
	3299	-63.58	-13	-50.58	-76.44	-68.51	5.52	12.60

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

LTE Band 41 / 20MHz / QPSK / ANT 1								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.00	-61.94	-25	-36.94	-79.46	-67.50	7.14	12.70
	7752.00	-55.77	-25	-30.77	-78.43	-59.07	8.30	11.60
	10336.00	-52.35	-25	-27.35	-79.36	-53.87	10.48	12.00
	5168.00	-61.87	-25	-36.87	-79.34	-67.43	7.14	12.70
	7752.00	-55.87	-25	-30.87	-78.5	-59.17	8.30	11.60
	10336.00	-52.61	-25	-27.61	-79.39	-54.13	10.48	12.00

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