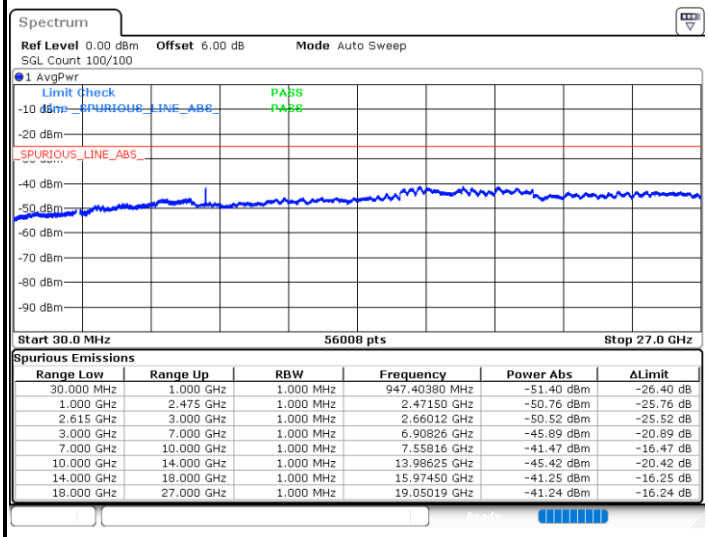
LTE Band 7 / 20MHz+10MHz

Lowest Channel / QPSK

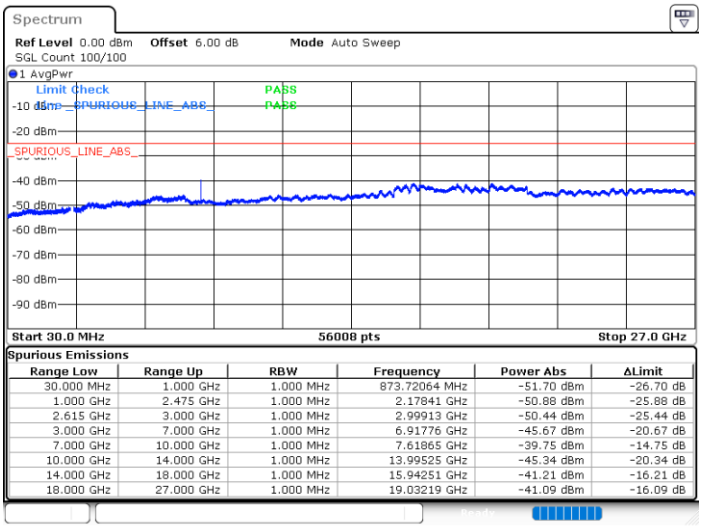


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.40380 MHz	-51.40 dBm	-26.40 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47150 GHz	-50.76 dBm	-25.76 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.66012 GHz	-50.52 dBm	-25.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90826 GHz	-45.89 dBm	-20.89 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55816 GHz	-41.47 dBm	-16.47 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98625 GHz	-45.42 dBm	-20.42 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.97450 GHz	-41.25 dBm	-16.25 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.05019 GHz	-41.24 dBm	-16.24 dB

Date: 6.OCT.2024 03:40:40

Middle Channel / QPSK

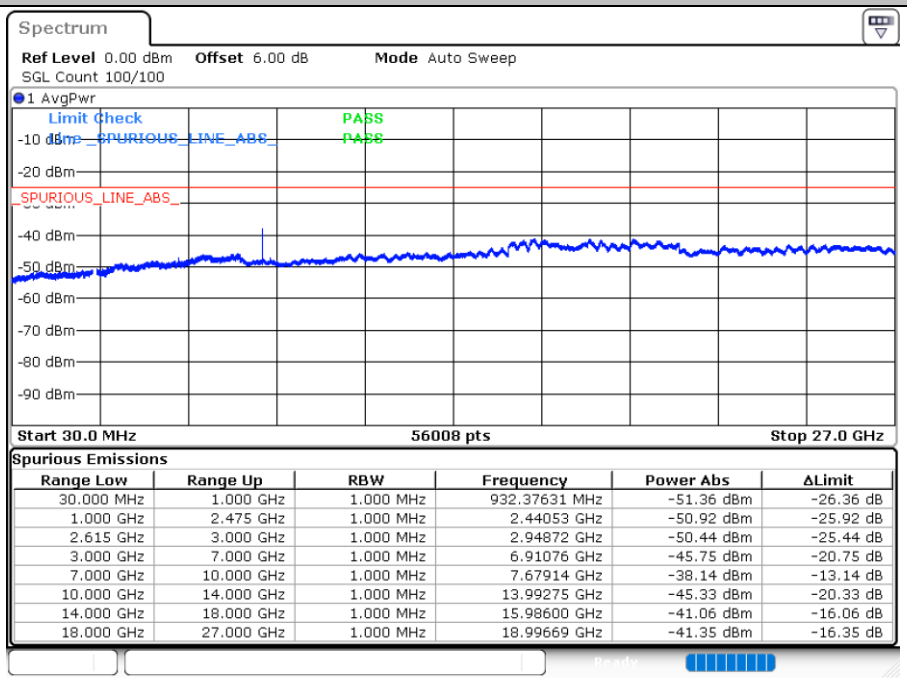


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	873.72064 MHz	-51.70 dBm	-26.70 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.17841 GHz	-50.88 dBm	-25.88 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.99913 GHz	-50.44 dBm	-25.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91776 GHz	-45.67 dBm	-20.67 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.61865 GHz	-39.75 dBm	-14.75 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99525 GHz	-45.34 dBm	-20.34 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.94251 GHz	-41.21 dBm	-16.21 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03219 GHz	-41.09 dBm	-16.09 dB

Date: 6.OCT.2024 03:55:26

Highest Channel / QPSK



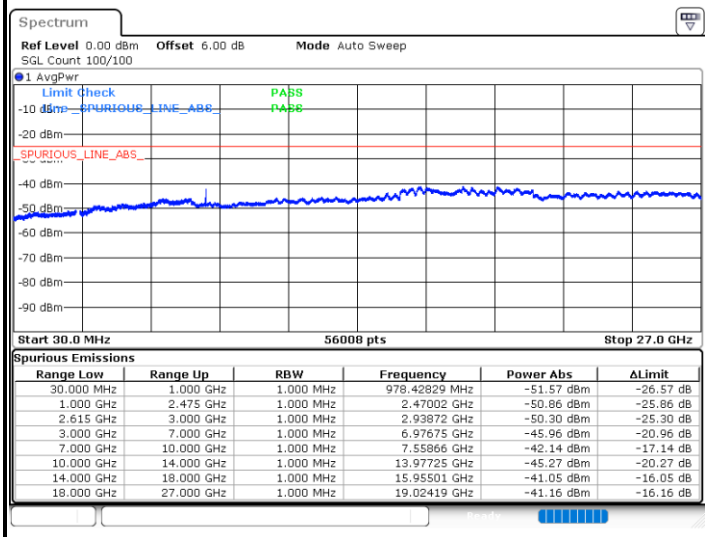
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.37631 MHz	-51.36 dBm	-26.36 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.44053 GHz	-50.92 dBm	-25.92 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.94872 GHz	-50.44 dBm	-25.44 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91076 GHz	-45.75 dBm	-20.75 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.67914 GHz	-38.14 dBm	-13.14 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99275 GHz	-45.33 dBm	-20.33 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.98600 GHz	-41.06 dBm	-16.06 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.99669 GHz	-41.35 dBm	-16.35 dB

Date: 6.OCT.2024 03:57:14

LTE Band 7 / 20MHz+15MHz

Lowest Channel / QPSK

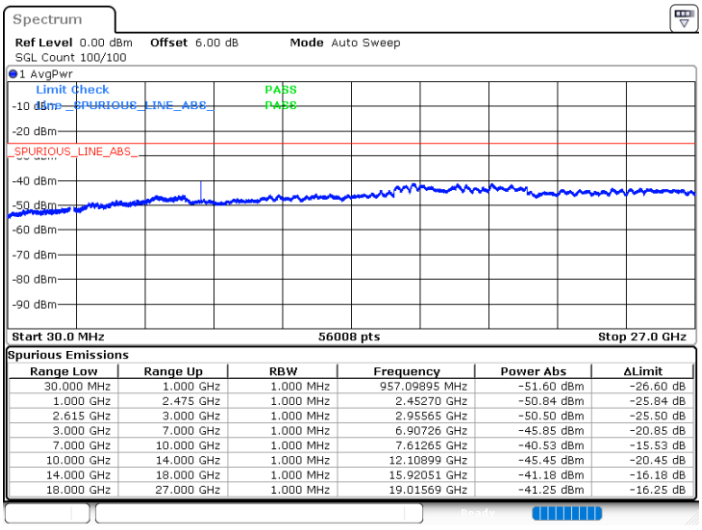


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.42829 MHz	-51.57 dBm	-26.57 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47002 GHz	-50.86 dBm	-25.86 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.93872 GHz	-50.30 dBm	-25.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97675 GHz	-45.96 dBm	-20.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.55866 GHz	-42.14 dBm	-17.14 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97725 GHz	-45.27 dBm	-20.27 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.95501 GHz	-41.05 dBm	-16.05 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.02419 GHz	-41.16 dBm	-16.16 dB

Date: 6.OCT.2024 04:11:53

Middle Channel / QPSK

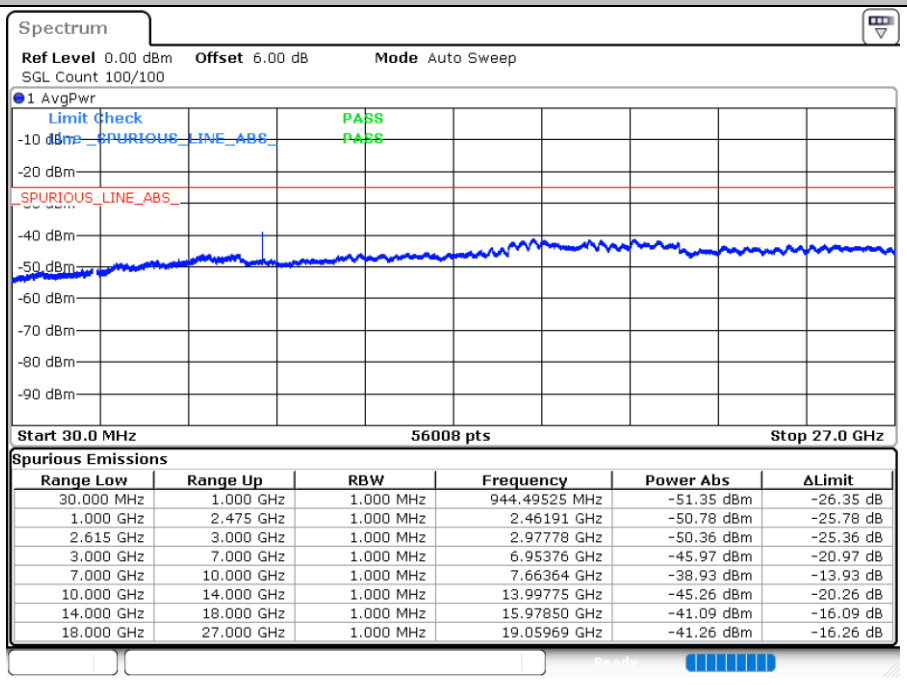


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.09895 MHz	-51.60 dBm	-26.60 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45270 GHz	-50.84 dBm	-25.84 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.95565 GHz	-50.50 dBm	-25.50 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90726 GHz	-45.85 dBm	-20.85 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.61265 GHz	-40.53 dBm	-15.53 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.10899 GHz	-45.45 dBm	-20.45 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.92051 GHz	-41.18 dBm	-16.18 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.01569 GHz	-41.25 dBm	-16.25 dB

Date: 6.OCT.2024 04:33:43

Highest Channel / QPSK



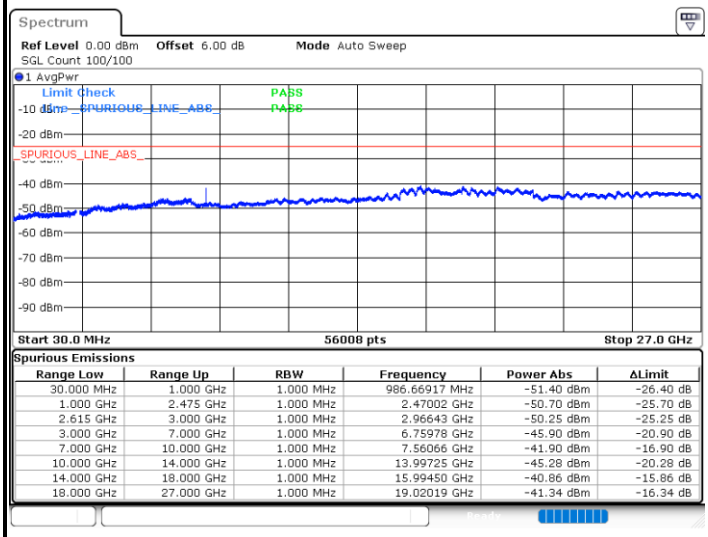
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-51.35 dBm	-26.35 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46191 GHz	-50.78 dBm	-25.78 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.97778 GHz	-50.36 dBm	-25.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95376 GHz	-45.97 dBm	-20.97 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.66364 GHz	-38.93 dBm	-13.93 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99775 GHz	-45.26 dBm	-20.26 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.97850 GHz	-41.09 dBm	-16.09 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.05969 GHz	-41.26 dBm	-16.26 dB

Date: 6.OCT.2024 04:35:55

LTE Band 7 /20MHz+20MHz

Lowest Channel / QPSK

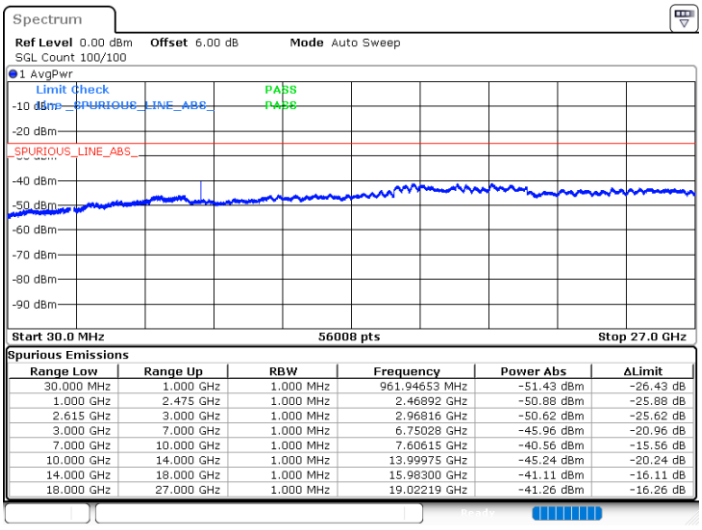


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.66917 MHz	-51.40 dBm	-26.40 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47002 GHz	-50.70 dBm	-25.70 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.96643 GHz	-50.25 dBm	-25.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75978 GHz	-45.90 dBm	-20.90 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.56066 GHz	-41.90 dBm	-16.90 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99725 GHz	-45.28 dBm	-20.28 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.99450 GHz	-40.86 dBm	-15.86 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.02019 GHz	-41.34 dBm	-16.34 dB

Date: 6.OCT.2024 04:50:31

Middle Channel / QPSK

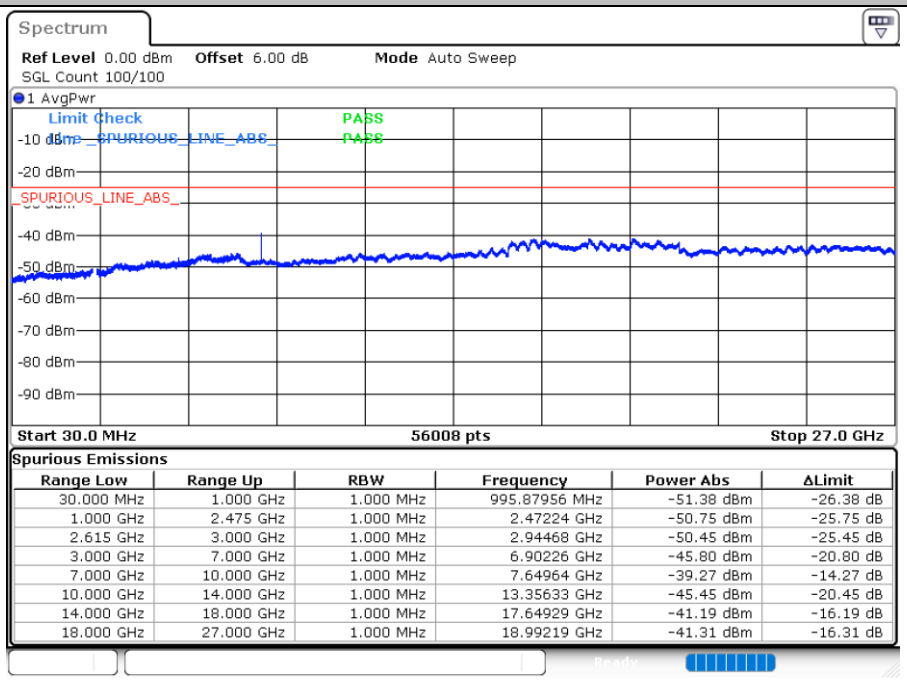


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	961.94653 MHz	-51.43 dBm	-26.43 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46892 GHz	-50.88 dBm	-25.88 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.96816 GHz	-50.62 dBm	-25.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.75028 GHz	-45.96 dBm	-20.96 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.60615 GHz	-40.56 dBm	-15.56 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99975 GHz	-45.24 dBm	-20.24 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.98300 GHz	-41.11 dBm	-16.11 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.02219 GHz	-41.26 dBm	-16.26 dB

Date: 6.OCT.2024 05:05:02

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	995.87956 MHz	-51.38 dBm	-26.38 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47224 GHz	-50.75 dBm	-25.75 dB
2.615 GHz	3.000 GHz	1.000 MHz	2.94468 GHz	-50.45 dBm	-25.45 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90226 GHz	-45.80 dBm	-20.80 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.64964 GHz	-39.27 dBm	-14.27 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.35633 GHz	-45.45 dBm	-20.45 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.64929 GHz	-41.19 dBm	-16.19 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.99219 GHz	-41.31 dBm	-16.31 dB

Date: 6.OCT.2024 05:06:47

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0057	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0066	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0055	

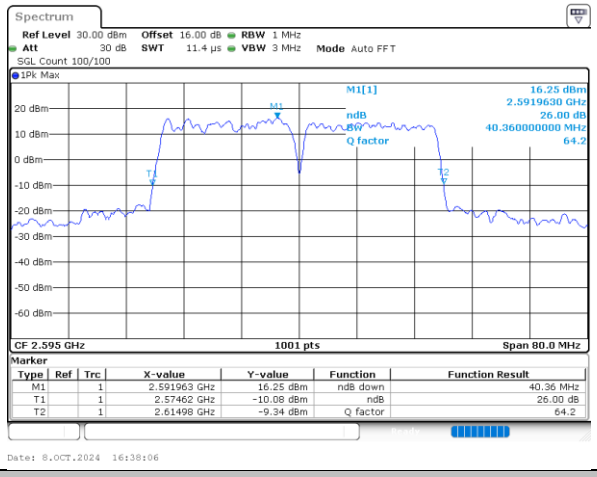
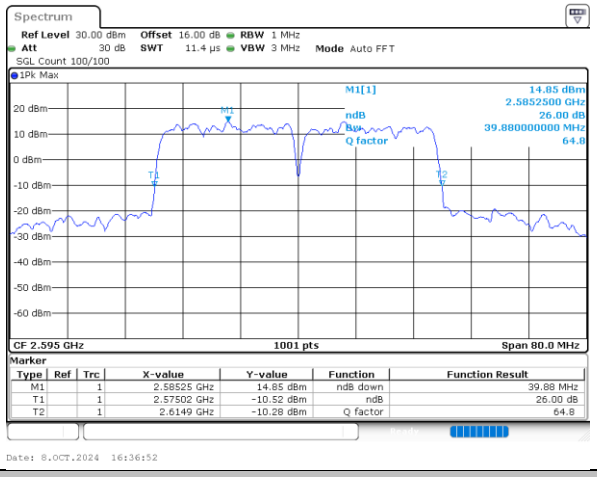
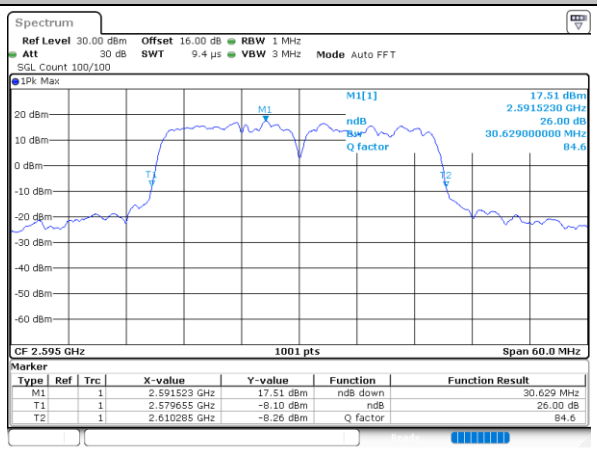
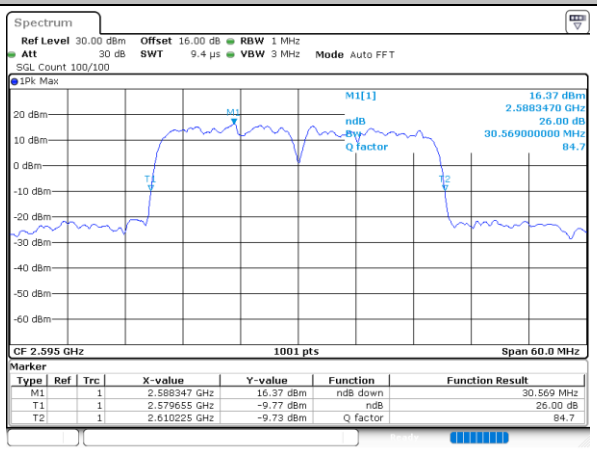
Note:

1. Normal Voltage =3.77 V. ; Battery End Point (BEP) =3.5V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

LTE Band 38C

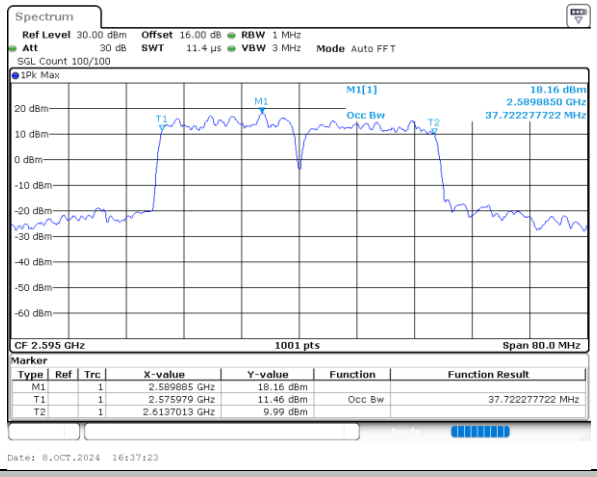
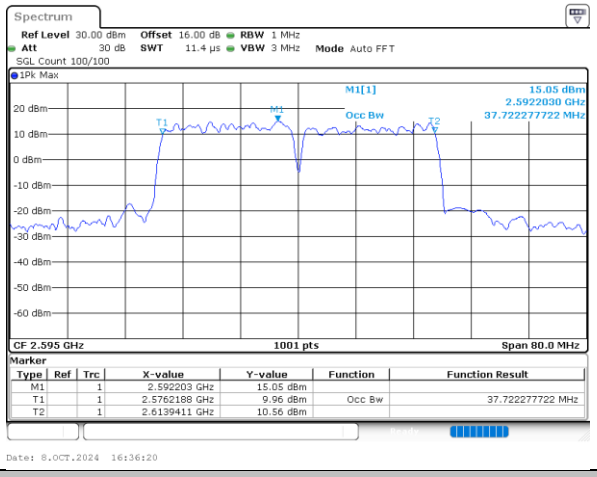
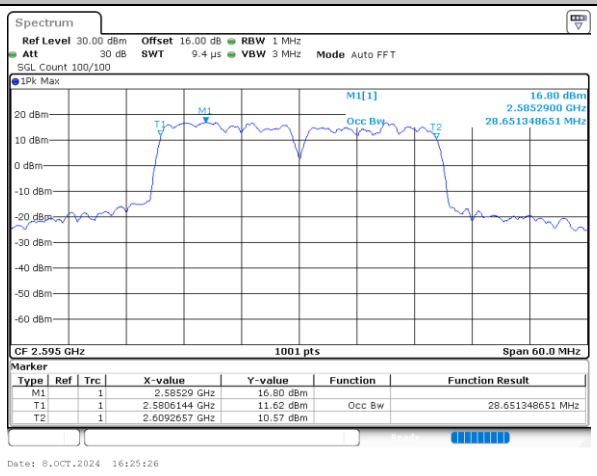
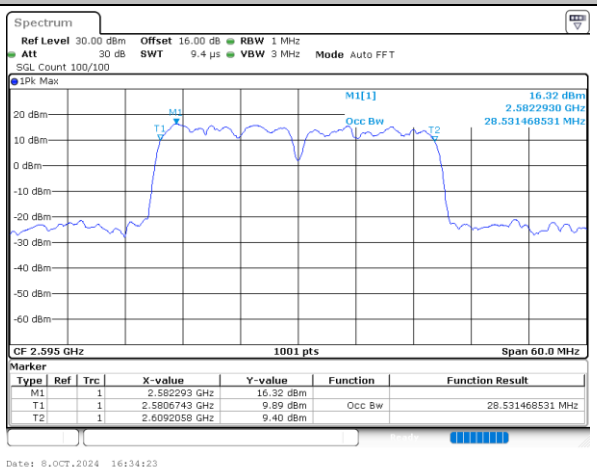
26dB Bandwidth

Mode	LTE Band 38C : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	40.36	39.88
Mod.	QPSK	16QAM
BW	15MHz+15MHz	15MHz+15MHz
Middle CH	30.63	30.57

LTE Band 38C	
QPSK	**16QAM**
Middle Channel / 20MHz+20MHz	**Middle Channel / 20MHz+20MHz**
	
QPSK	**16QAM**
Middle Channel / 15MHz+15MHz	**Middle Channel / 15MHz+15MHz**
	

Occupied Bandwidth

Mode	LTE Band 38C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.72	37.72
Mod.	QPSK	16QAM
BW	15MHz+15MHz	15MHz+15MHz
Middle CH	28.65	28.53

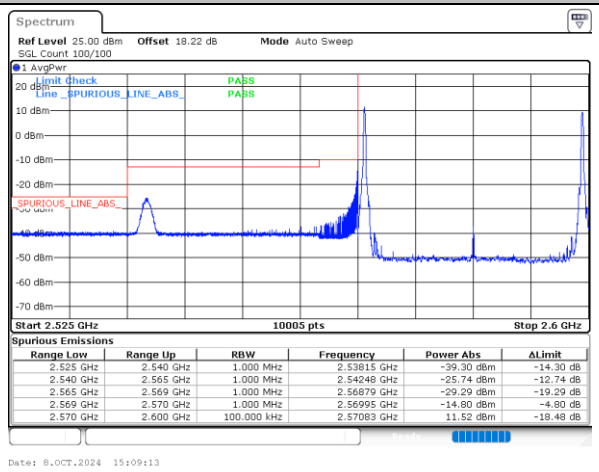
LTE Band 38C	
QPSK	**16QAM**
Middle Channel / 20MHz+20MHz	**Middle Channel / 20MHz+20MHz**
	
QPSK	**16QAM**
Middle Channel / 15MHz+15MHz	**Middle Channel / 15MHz+15MHz**
	

Conducted Band Edge

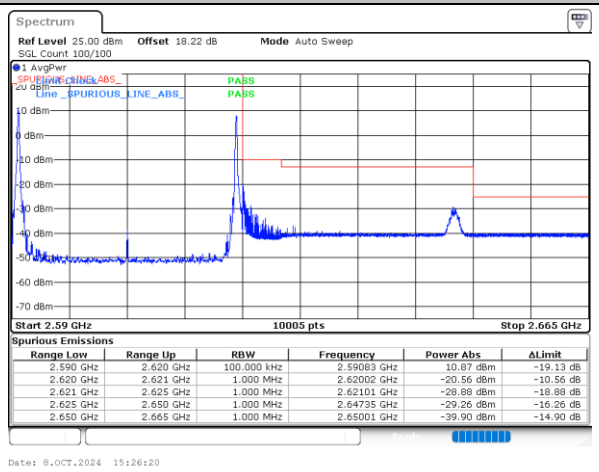
LTE Band 38C / 15MHz+15MHz

QPSK

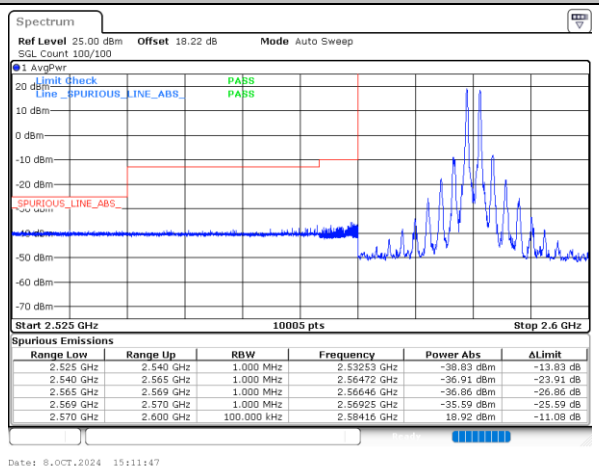
Lowest Band Edge / 1RB0 and 1RB74



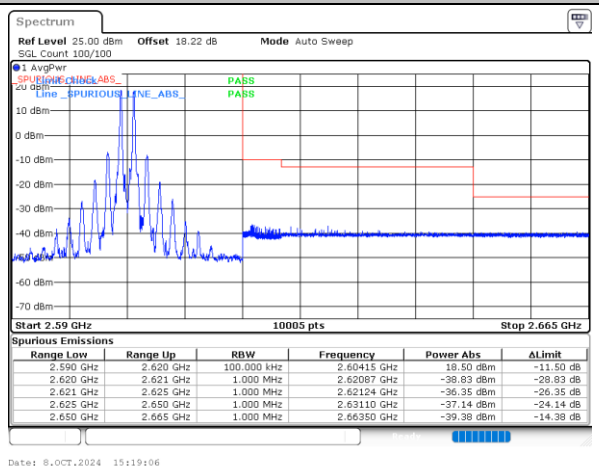
Highest Band Edge / 1RB0 and 1RB74



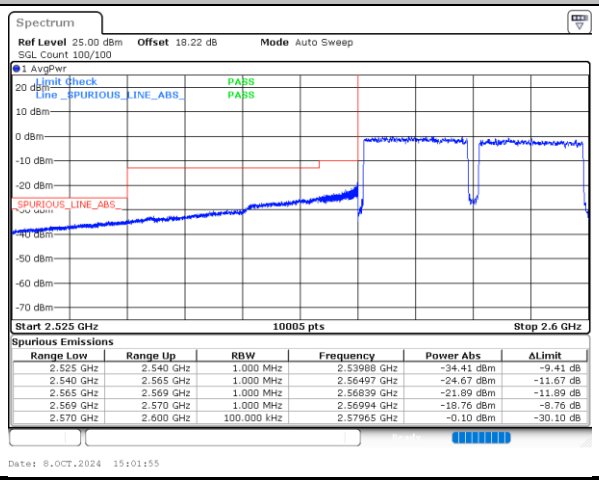
Lowest Band Edge / 1RB74 and 1RB0

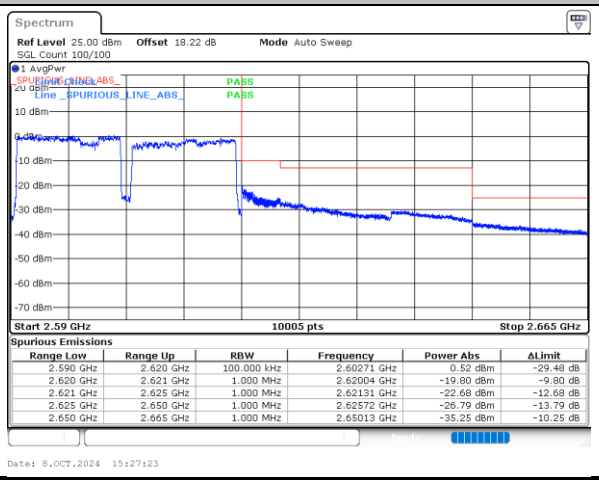


Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB	Highest Band Edge / Full RB

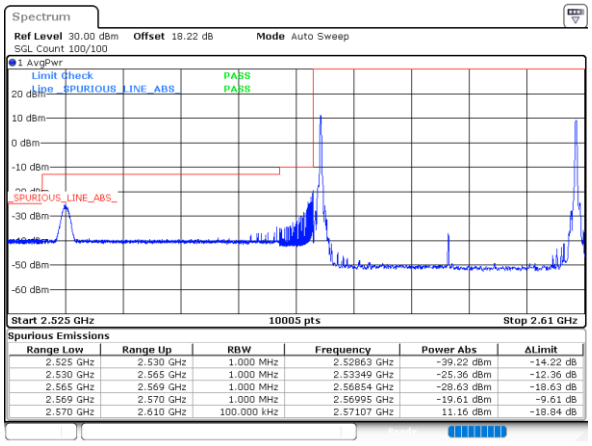




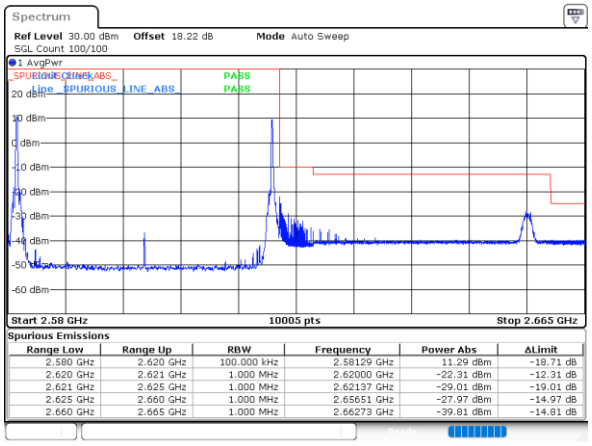
LTE Band 38C / 20MHz+20MHz

QPSK

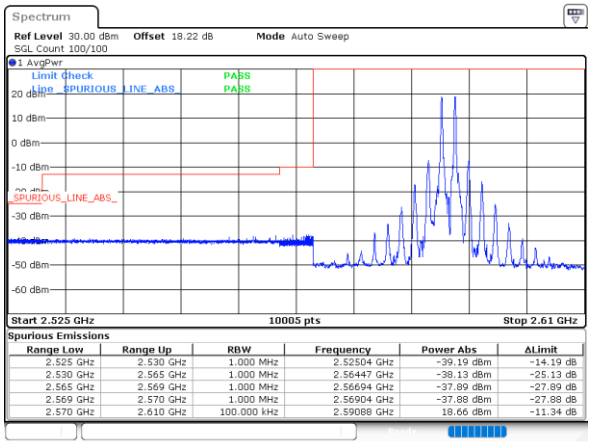
Lowest Band Edge / 1RB0 and 1RB99



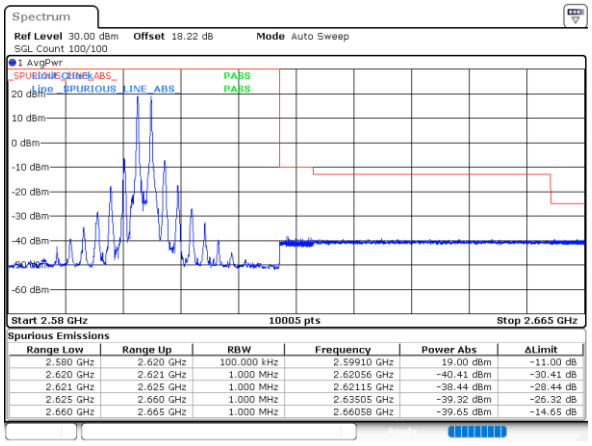
Highest Band Edge / 1RB0 and 1RB99



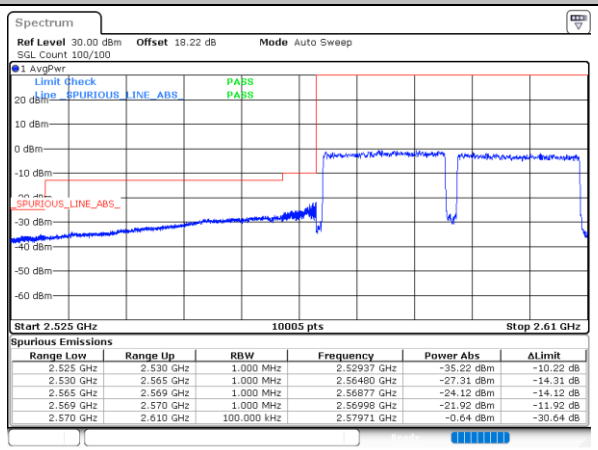
Lowest Band Edge / 1RB99 and 1RB0



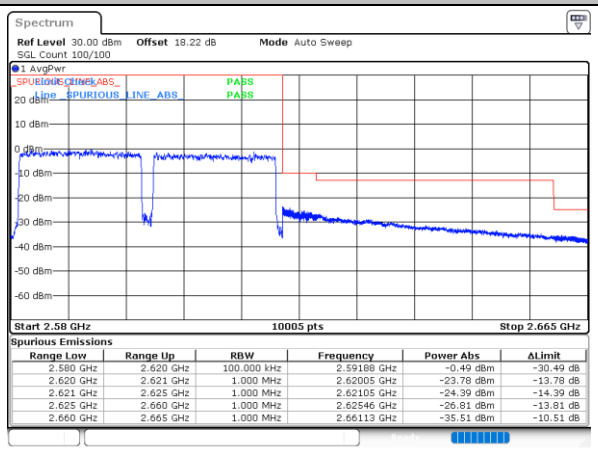
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



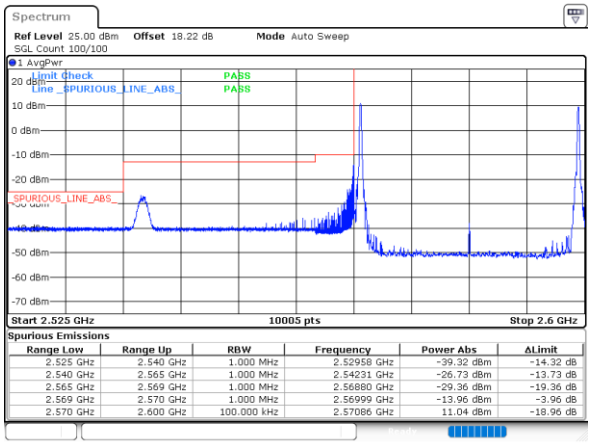
Highest Band Edge / Full RB



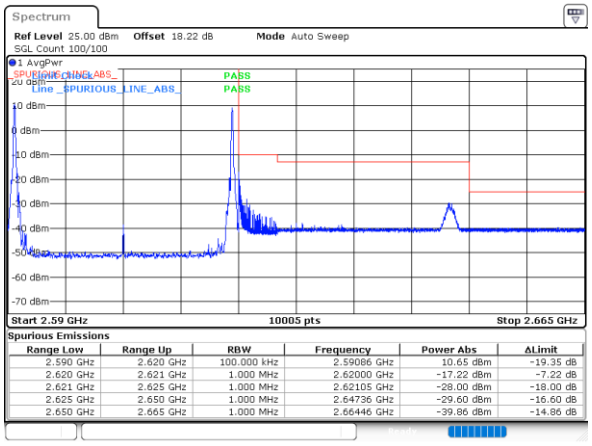
LTE Band 38C / 15MHz+15MHz

16QAM

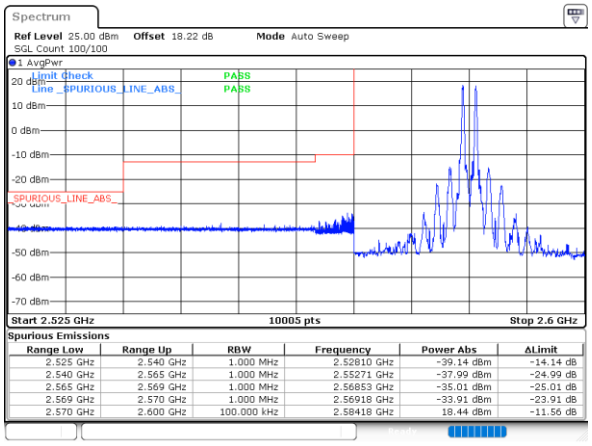
Lowest Band Edge / 1RB0 and 1RB74



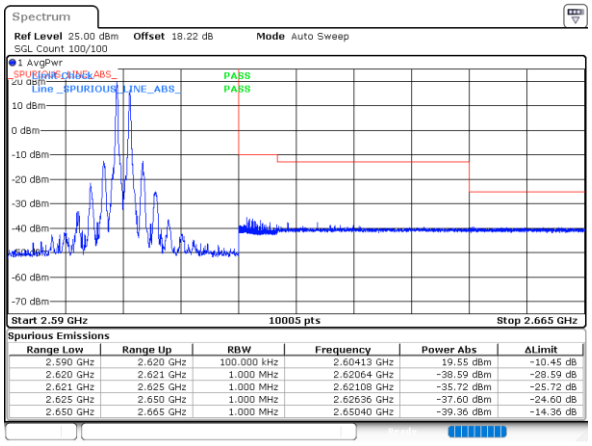
Highest Band Edge / 1RB0 and 1RB74



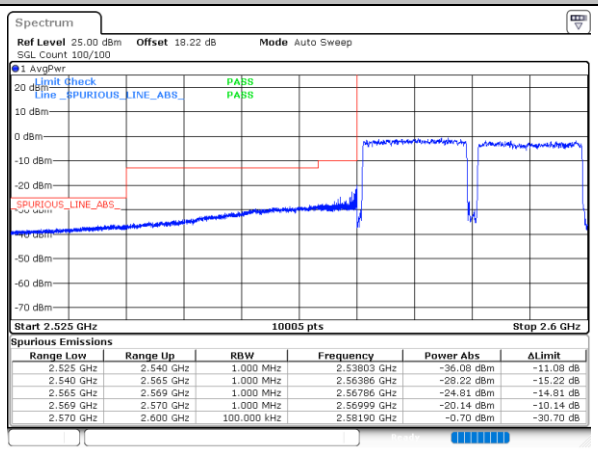
Lowest Band Edge / 1RB74 and 1RB0



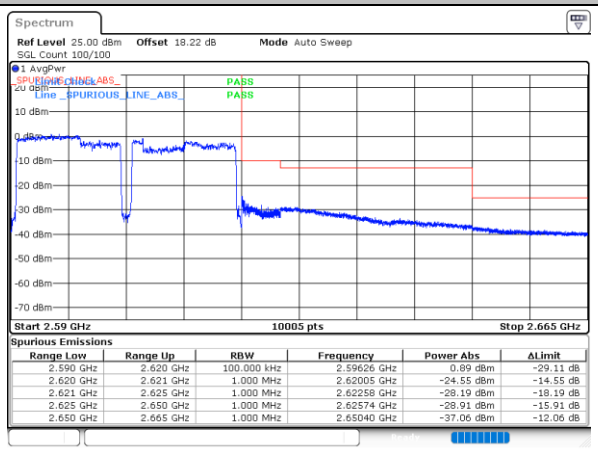
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



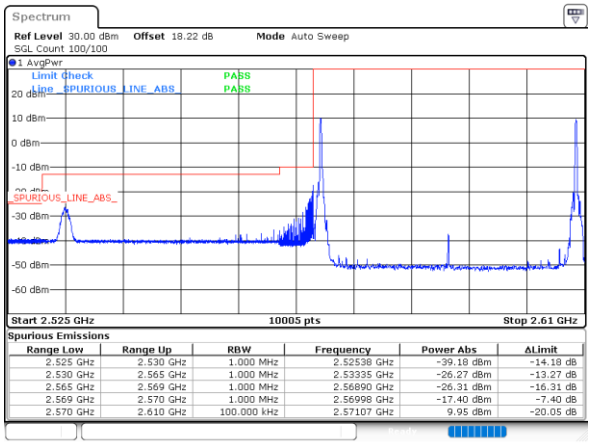
Highest Band Edge / Full RB



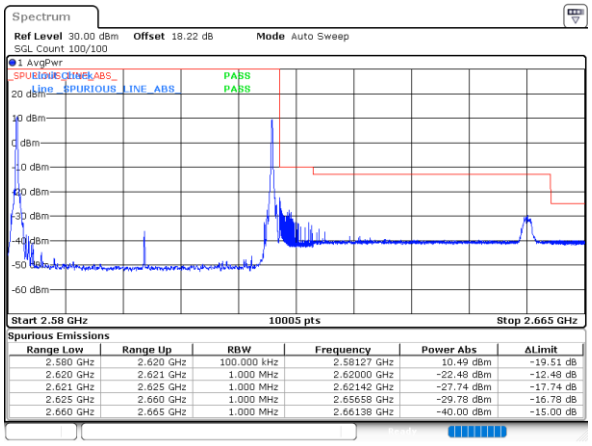
LTE Band 38C / 20MHz+20MHz

16QAM

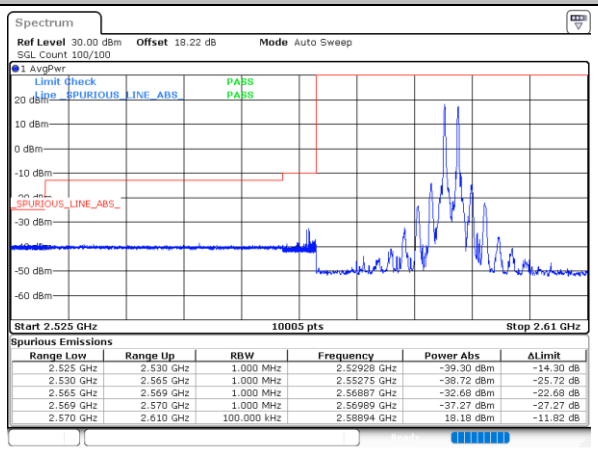
Lowest Band Edge / 1RB0 and 1RB99



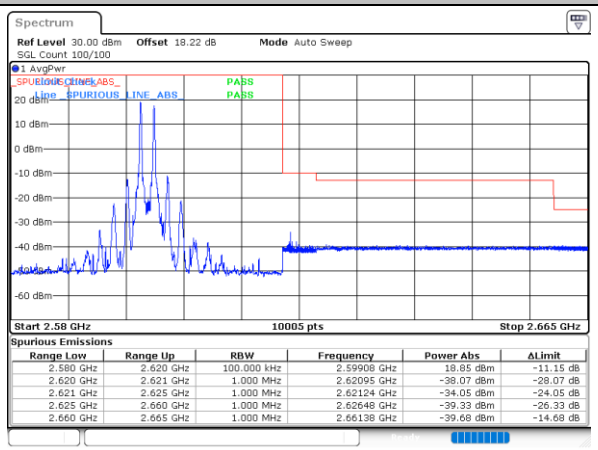
Highest Band Edge / 1RB0 and 1RB99



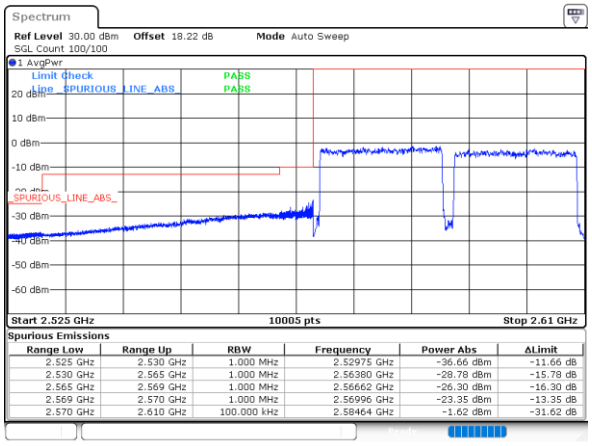
Lowest Band Edge / 1RB99 and 1RB0



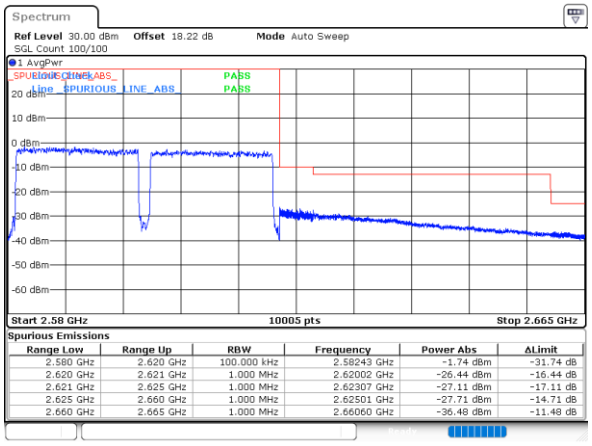
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



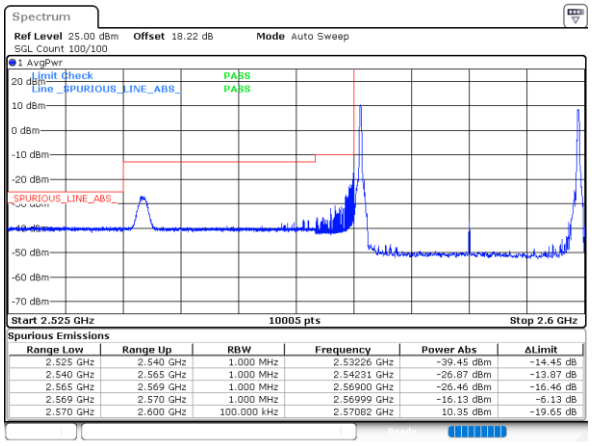
Highest Band Edge / Full RB



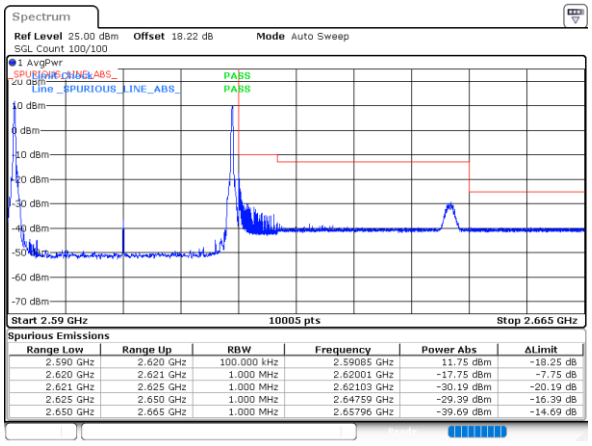
LTE Band 38C / 15MHz+15MHz

64QAM

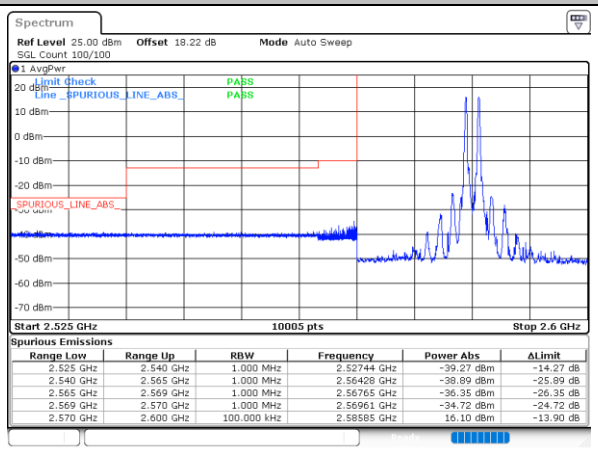
Lowest Band Edge / 1RB0 and 1RB74



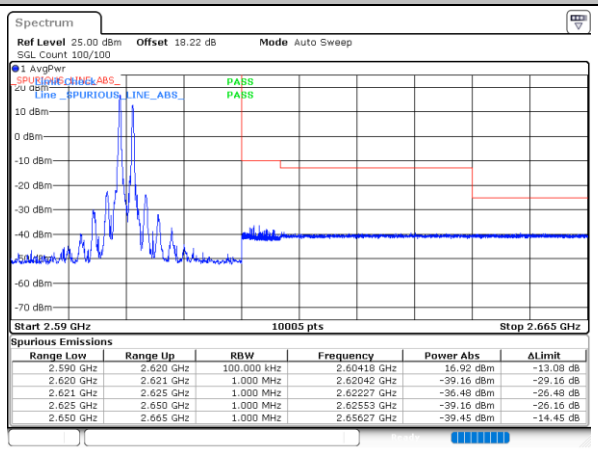
Highest Band Edge / 1RB0 and 1RB74



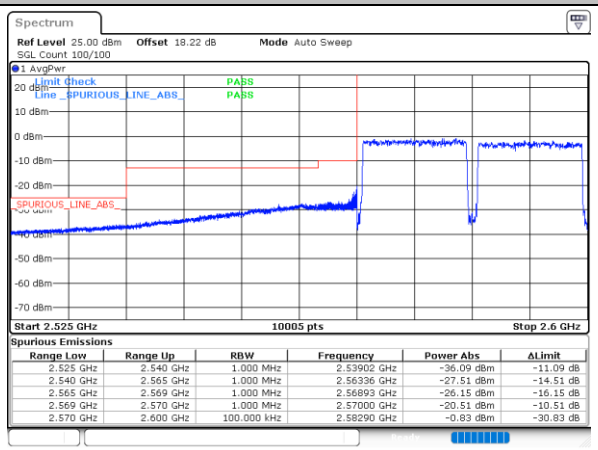
Lowest Band Edge / 1RB74 and 1RB0



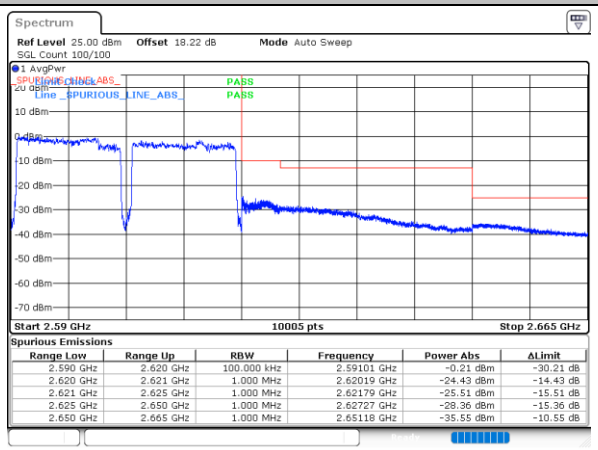
Highest Band Edge / 1RB74 and 1RB0

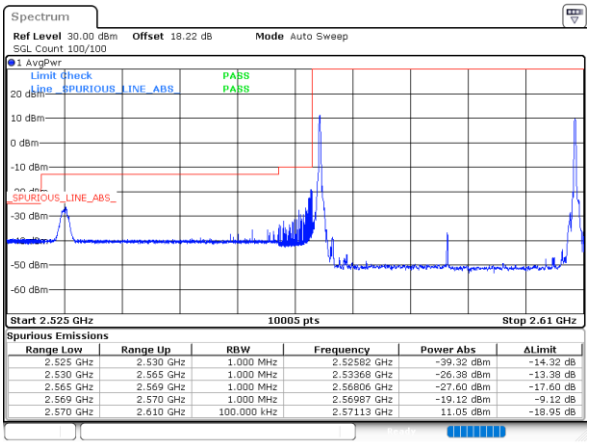
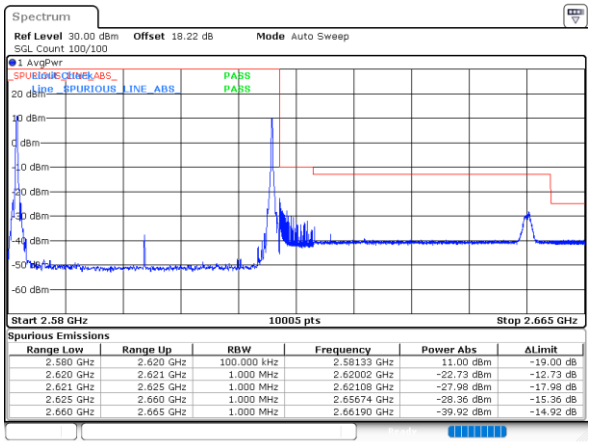
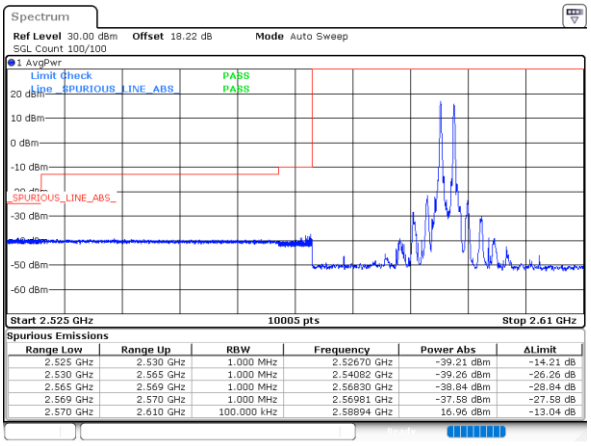
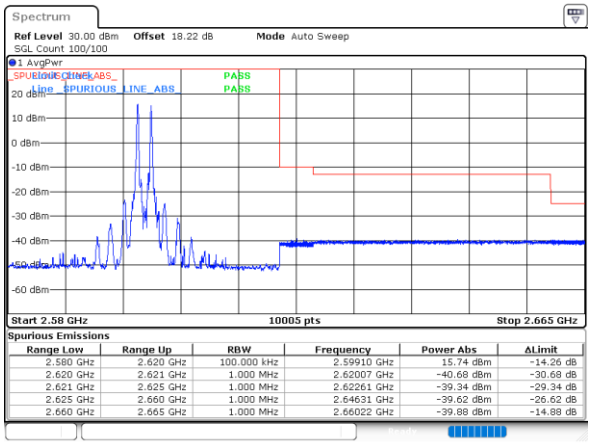
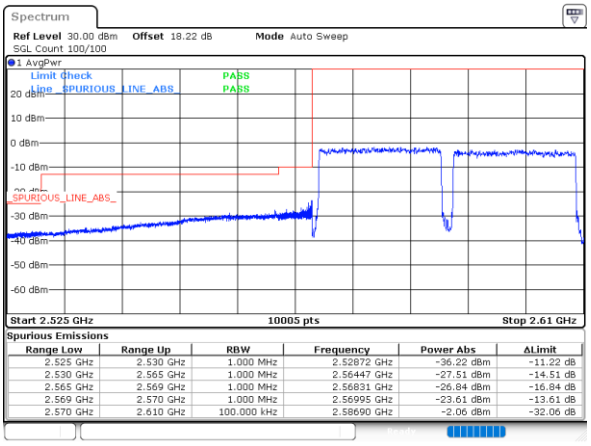
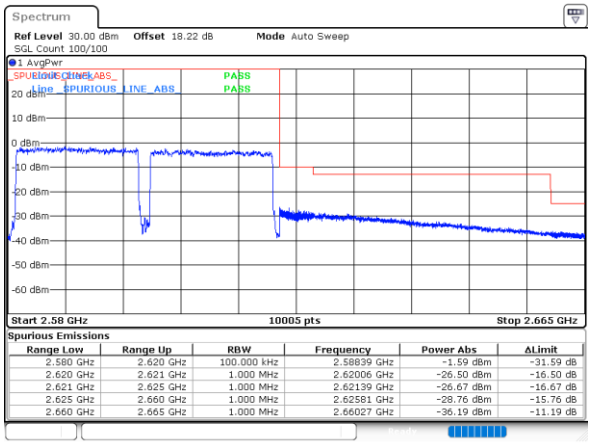


Lowest Band Edge / Full RB



Highest Band Edge / Full RB

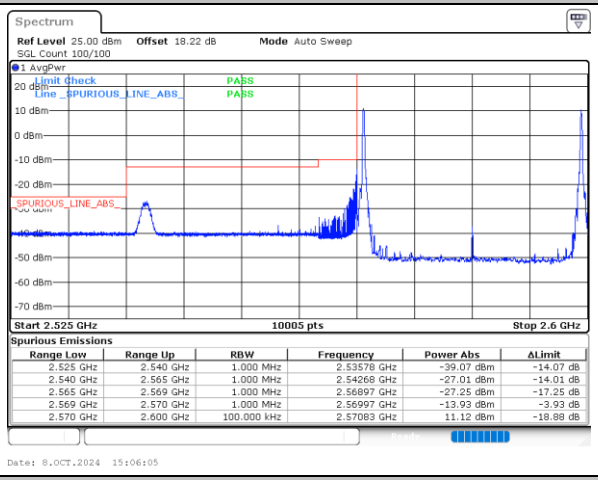


LTE Band 38C / 20MHz+20MHz	
64QAM	
Lowest Band Edge / 1RB0 and 1RB99	Highest Band Edge / 1RB0 and 1RB99
	
Lowest Band Edge / 1RB99 and 1RB0	Highest Band Edge / 1RB99 and 1RB0
	
Lowest Band Edge / Full RB	Highest Band Edge / Full RB
	

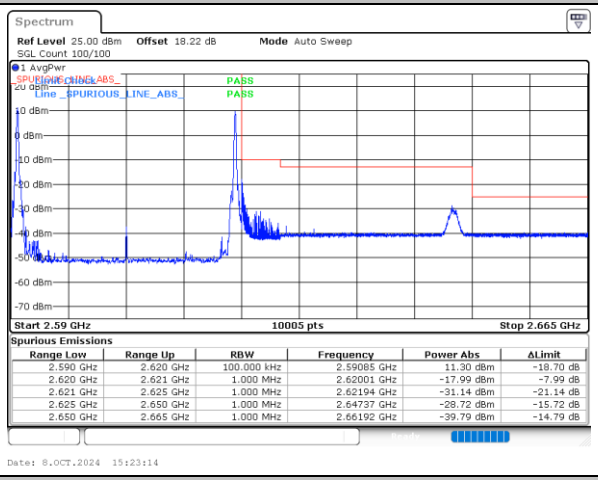
LTE Band 38C / 15MHz+15MHz

256QAM

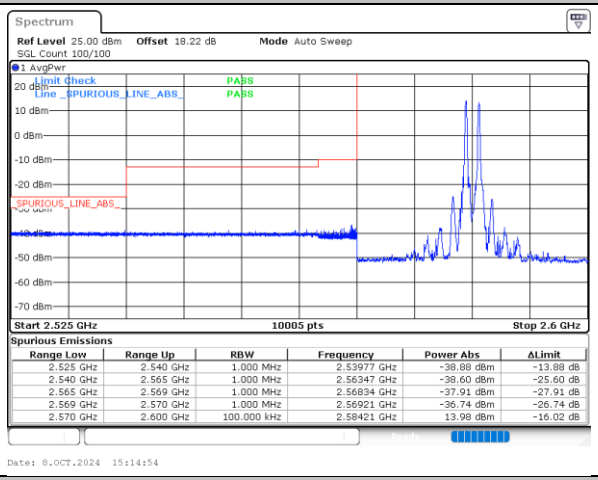
Lowest Band Edge / 1RB0 and 1RB74



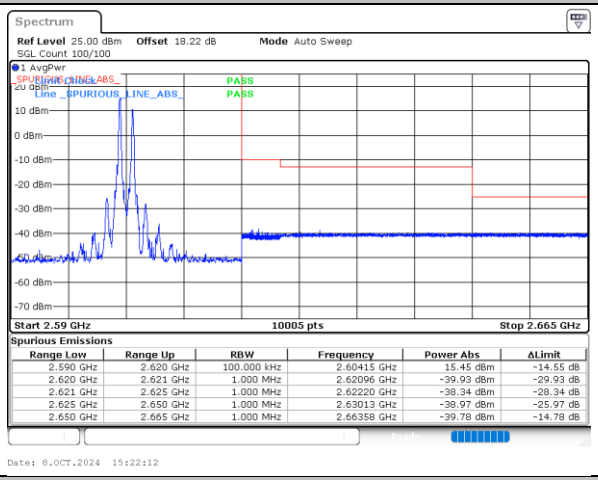
Highest Band Edge / 1RB0 and 1RB74



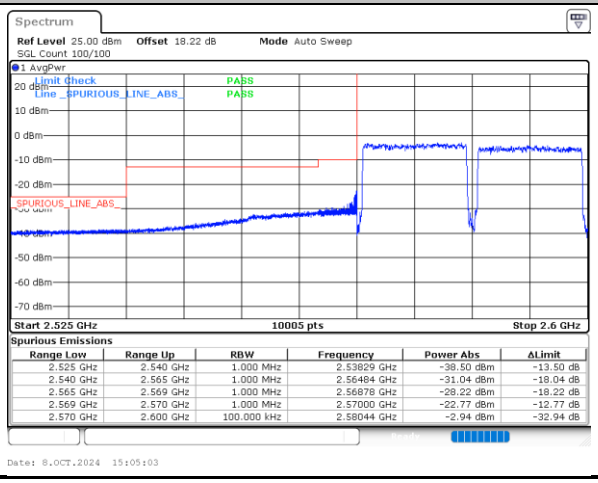
Lowest Band Edge / 1RB74 and 1RB0



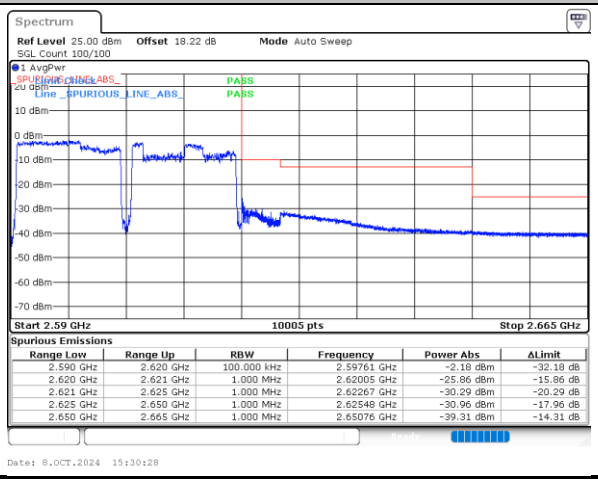
Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



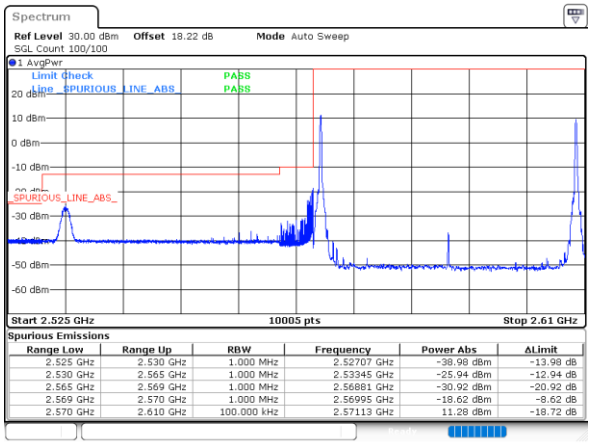
Highest Band Edge / Full RB



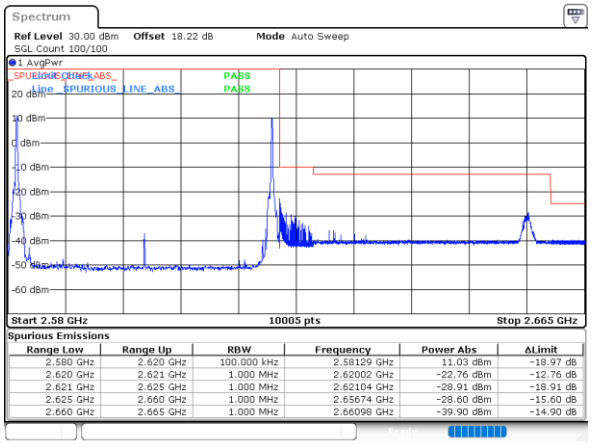
LTE Band 38C / 20MHz+20MHz

256QAM

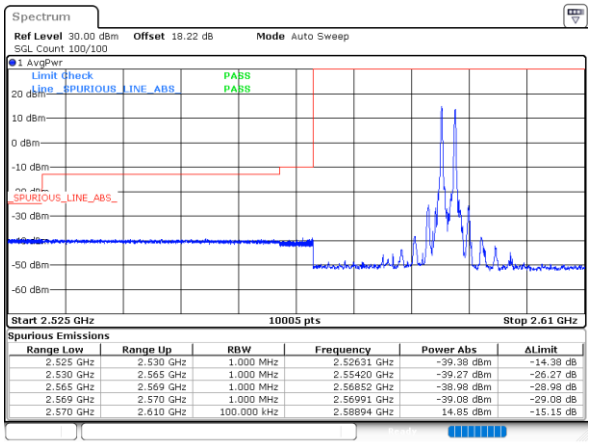
Lowest Band Edge / 1RB0 and 1RB99



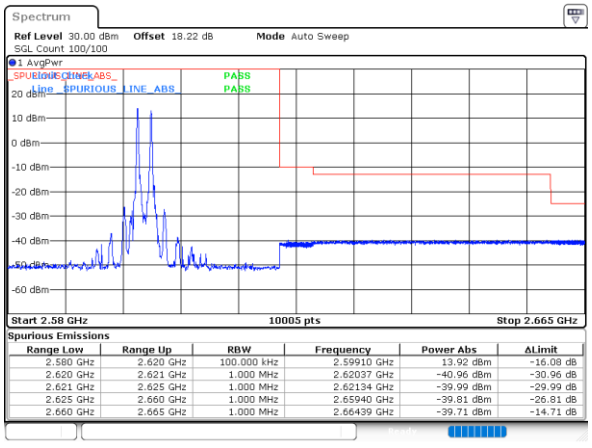
Highest Band Edge / 1RB0 and 1RB99



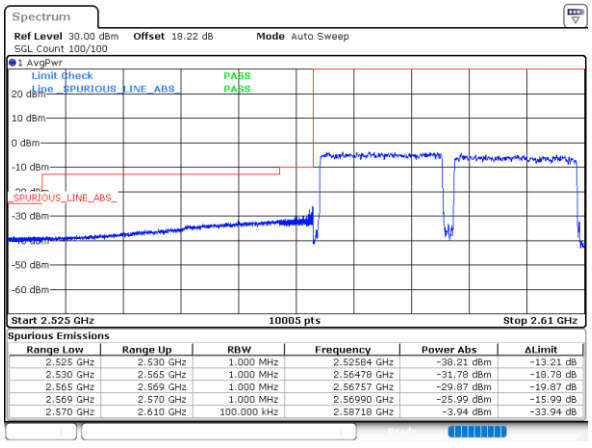
Lowest Band Edge / 1RB99 and 1RB0



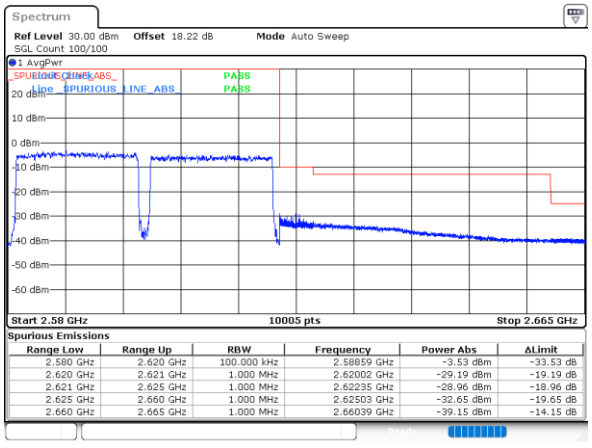
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

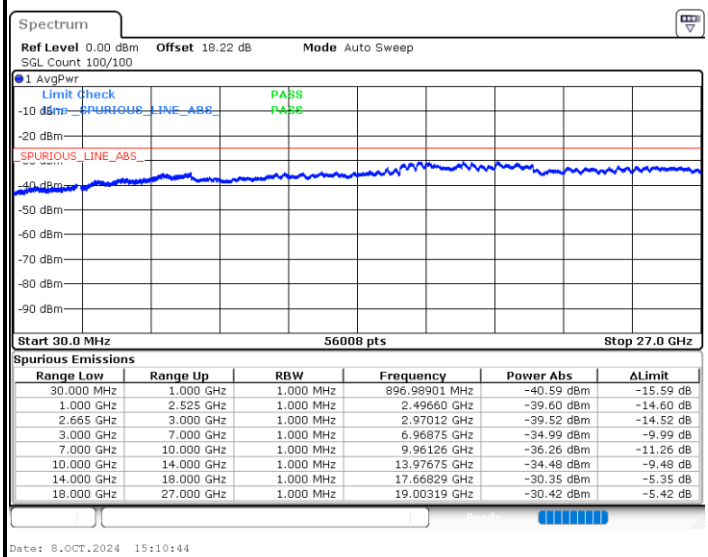


Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

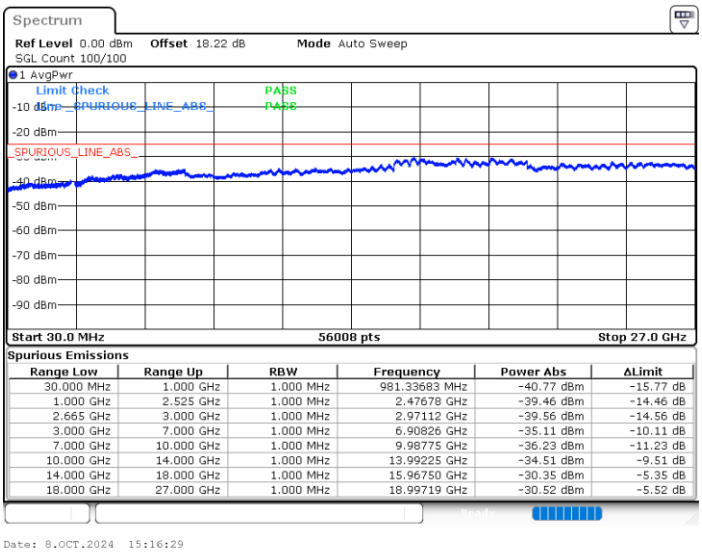


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.98901 MHz	-40.59 dBm	-15.59 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.49660 GHz	-39.60 dBm	-14.60 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.97012 GHz	-39.52 dBm	-14.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96875 GHz	-34.99 dBm	-9.99 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96126 GHz	-36.26 dBm	-11.26 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.97675 GHz	-34.48 dBm	-9.48 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.66829 GHz	-30.35 dBm	-5.35 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.00319 GHz	-30.42 dBm	-5.42 dB

Date: 8.OCT.2024 15:10:44

Middle Channel / 1RB74 and 1RB0

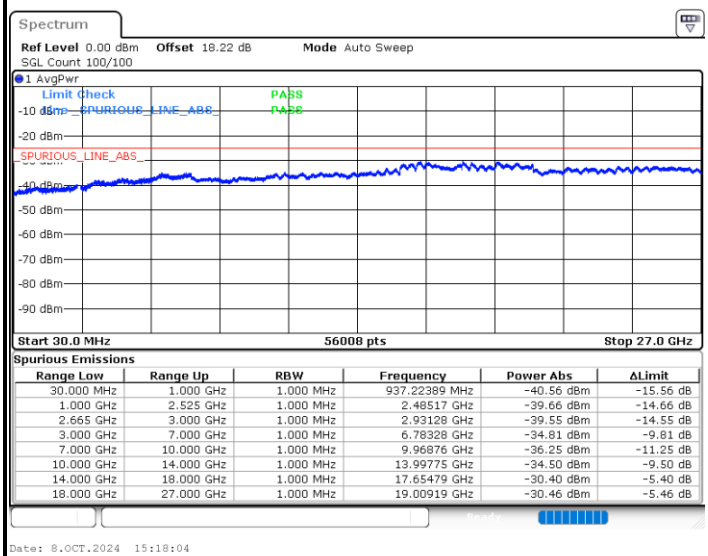


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.33683 MHz	-40.77 dBm	-15.77 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.47678 GHz	-39.46 dBm	-14.46 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.97112 GHz	-39.56 dBm	-14.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90826 GHz	-35.11 dBm	-10.11 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98775 GHz	-36.23 dBm	-11.23 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99225 GHz	-34.51 dBm	-9.51 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.96750 GHz	-30.35 dBm	-5.35 dB
18.000 GHz	27.000 GHz	1.000 MHz	18.99719 GHz	-30.52 dBm	-5.52 dB

Date: 8.OCT.2024 15:16:29

Highest Channel / 1RB74 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	937.22389 MHz	-40.56 dBm	-15.56 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.48517 GHz	-39.66 dBm	-14.66 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.93128 GHz	-39.55 dBm	-14.55 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.78328 GHz	-34.81 dBm	-9.81 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96876 GHz	-36.25 dBm	-11.25 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99775 GHz	-34.50 dBm	-9.50 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.65479 GHz	-30.40 dBm	-5.40 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.00919 GHz	-30.46 dBm	-5.46 dB

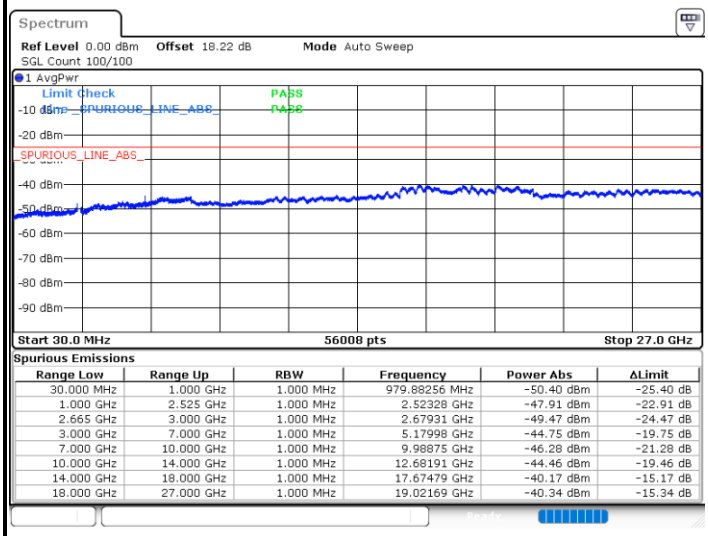
Date: 8.OCT.2024 15:18:04

N/A

LTE Band 38C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

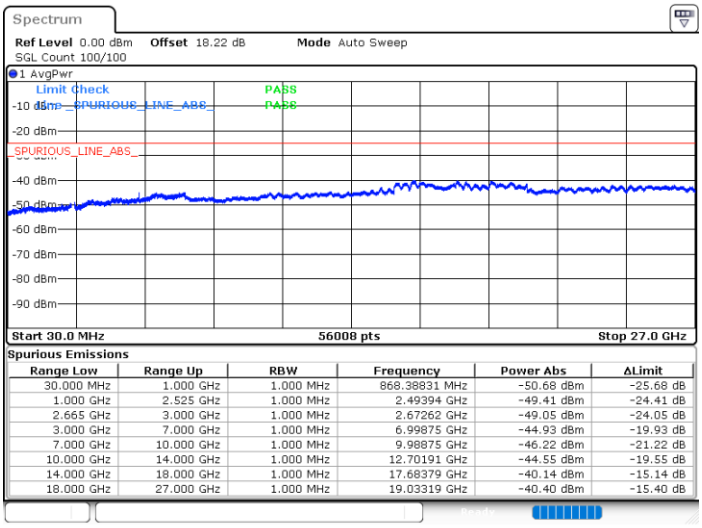


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-50.40 dBm	-25.40 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.52328 GHz	-47.91 dBm	-22.91 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67931 GHz	-49.47 dBm	-24.47 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17998 GHz	-44.75 dBm	-19.75 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98875 GHz	-46.28 dBm	-21.28 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.68191 GHz	-44.46 dBm	-19.46 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.67479 GHz	-40.17 dBm	-15.17 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.02169 GHz	-40.34 dBm	-15.34 dB

Date: 8.OCT.2024 14:24:47

Middle Channel / 1RB99 and 1RB0

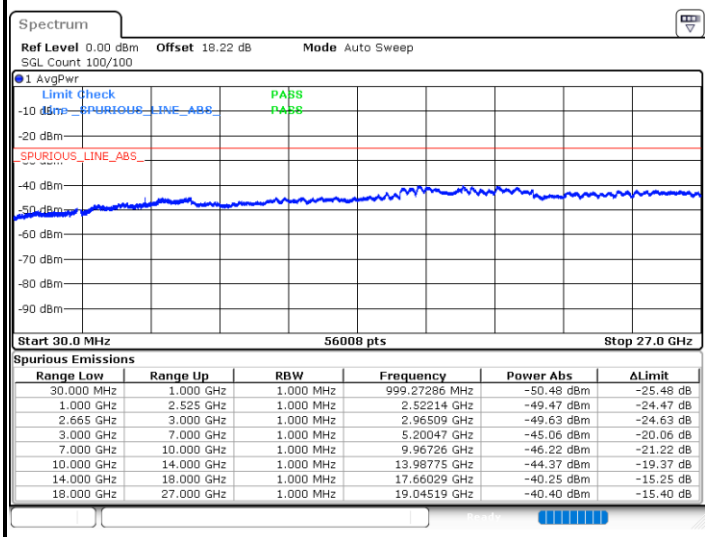


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	868.38831 MHz	-50.68 dBm	-25.68 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.49394 GHz	-49.41 dBm	-24.41 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.67262 GHz	-49.05 dBm	-24.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99875 GHz	-44.93 dBm	-19.93 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98875 GHz	-46.22 dBm	-21.22 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.70191 GHz	-44.55 dBm	-19.55 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.68379 GHz	-40.14 dBm	-15.14 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03319 GHz	-40.40 dBm	-15.40 dB

Date: 8.OCT.2024 14:30:32

Highest Channel / 1RB99 and 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	999.27286 MHz	-50.48 dBm	-25.48 dB
1.000 GHz	2.525 GHz	1.000 MHz	2.52214 GHz	-49.47 dBm	-24.47 dB
2.665 GHz	3.000 GHz	1.000 MHz	2.96509 GHz	-49.63 dBm	-24.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.20047 GHz	-45.06 dBm	-20.06 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.96726 GHz	-46.22 dBm	-21.22 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98775 GHz	-44.37 dBm	-19.37 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.66029 GHz	-40.25 dBm	-15.25 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.04519 GHz	-40.40 dBm	-15.40 dB

Date: 8.OCT.2024 14:32:07

N/A

Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0049	
-20	Normal Voltage	0.0052	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0065	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.77 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

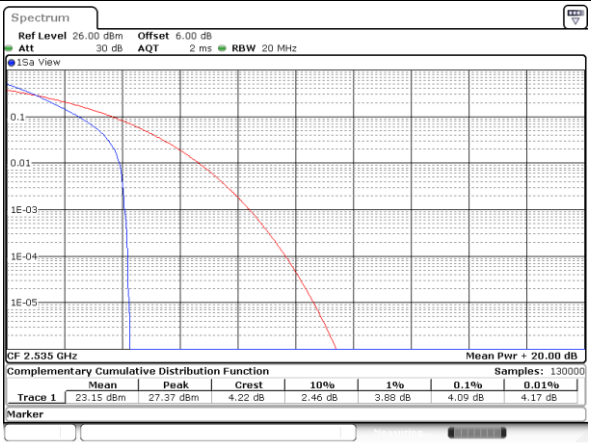
LTE Band 7(Other PA)

Peak-to-Average Ratio

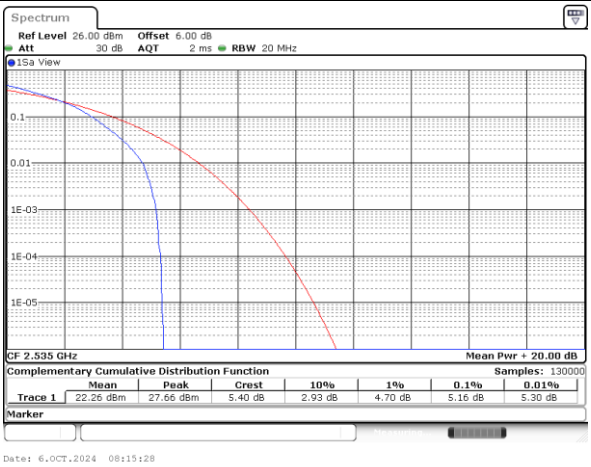
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.09	5.16	6.12	6.43	PASS

LTE Band 7 / 20MHz

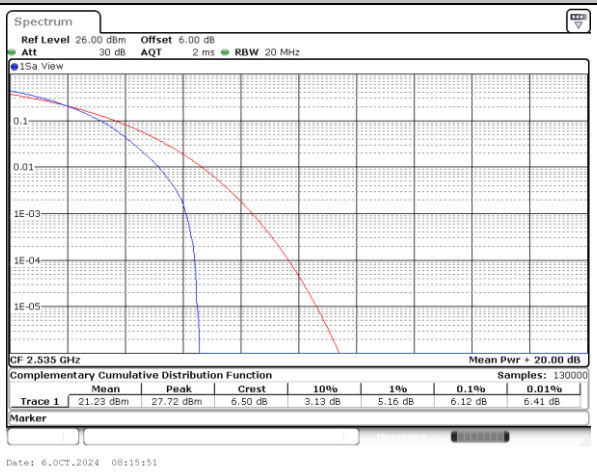
Middle Channel / Full RB/ QPSK



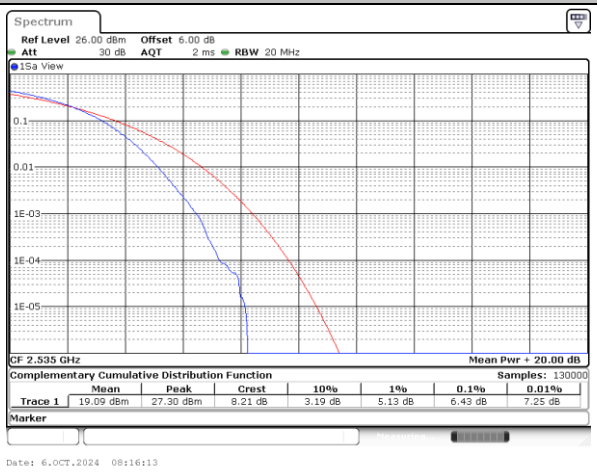
Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM



Middle Channel / Full RB/ 256QAM

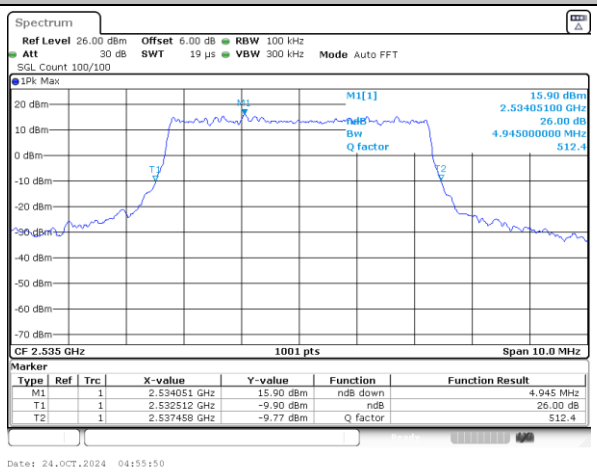


26dB Bandwidth

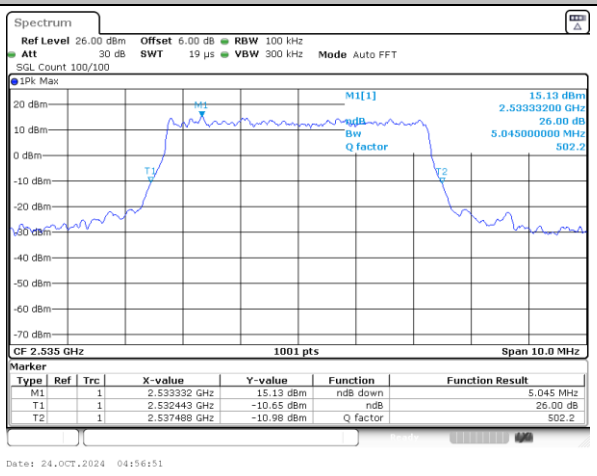
Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.95	5.05	10.17	9.65	14.60	14.78	18.74	19.34

LTE Band 7

Middle Channel / 5MHz / QPSK

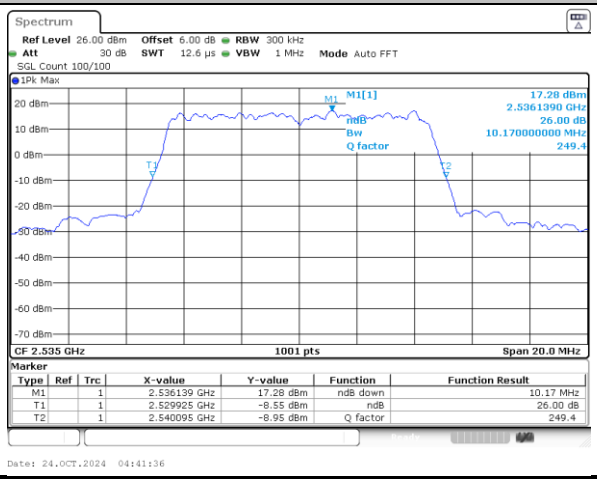


Middle Channel / 5MHz / 16QAM

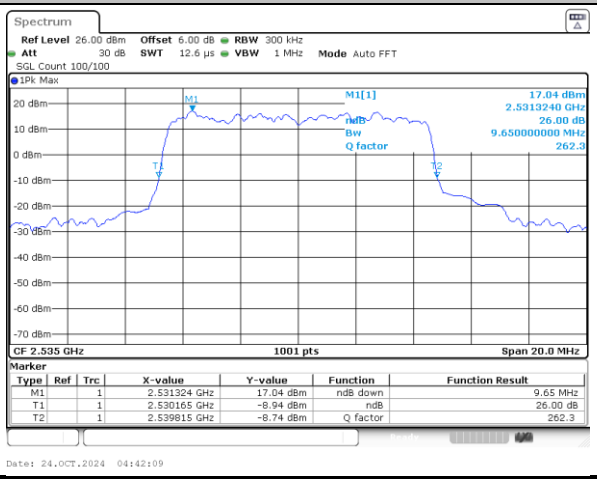


LTE Band 7

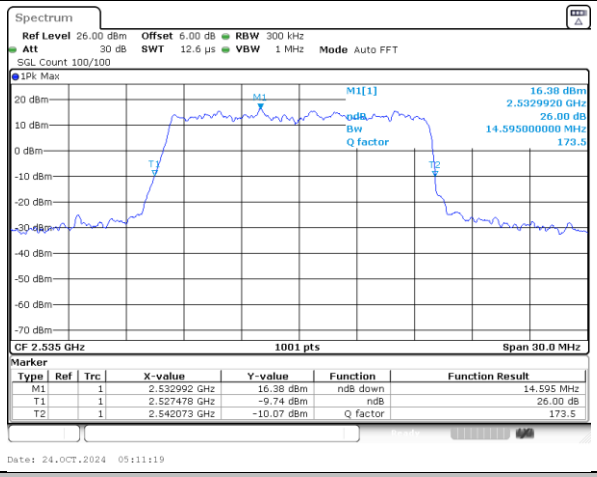
Middle Channel / 10MHz / QPSK

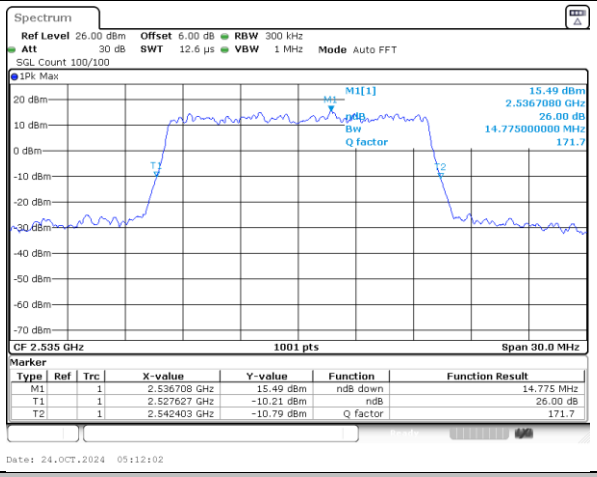


Middle Channel / 10MHz / 16QAM

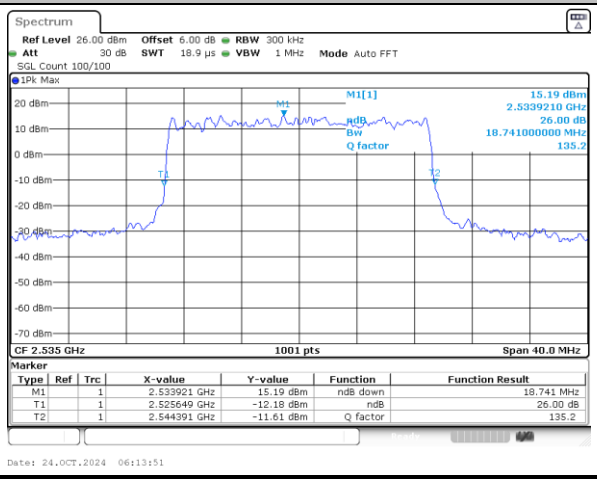


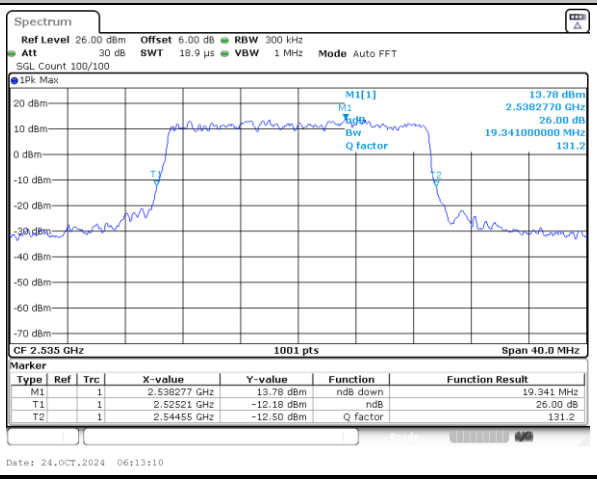
LTE Band 7	
Middle Channel / 15MHz / QPSK	Middle Channel / 15MHz / 16QAM





LTE Band 7	
Middle Channel / 20MHz / QPSK	Middle Channel / 20MHz / 16QAM



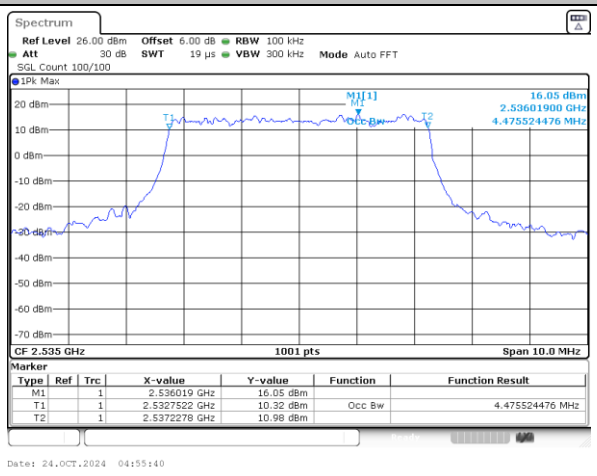


Occupied Bandwidth

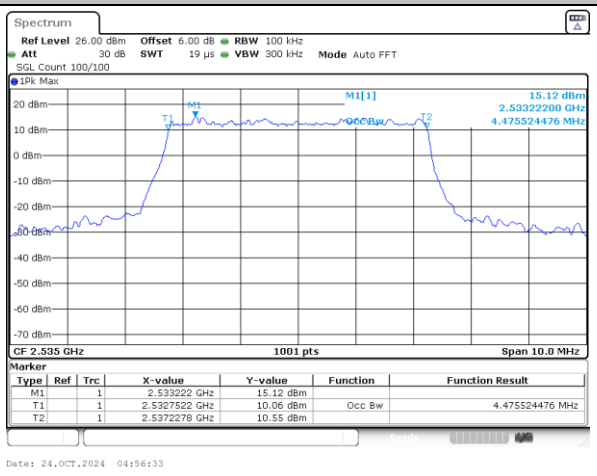
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.48	9.01	9.01	13.46	13.49	17.82	17.86

LTE Band 7

Middle Channel / 5MHz / QPSK

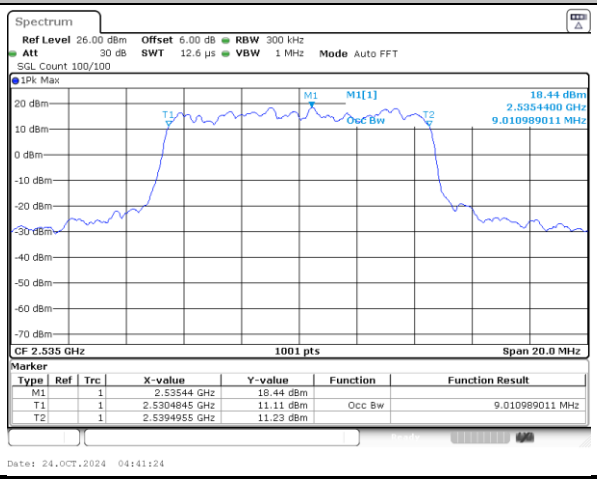


Middle Channel / 5MHz / 16QAM

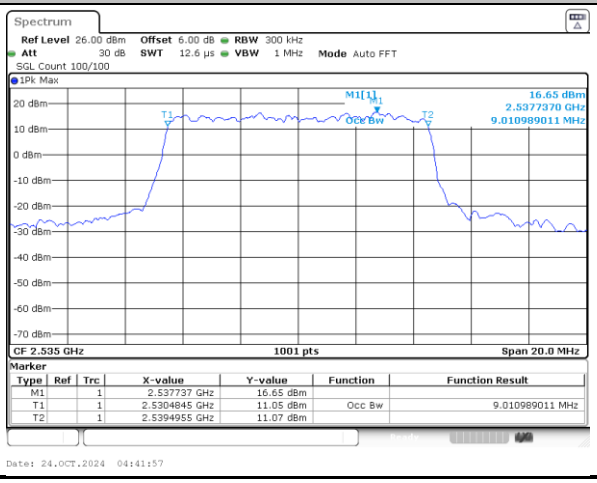


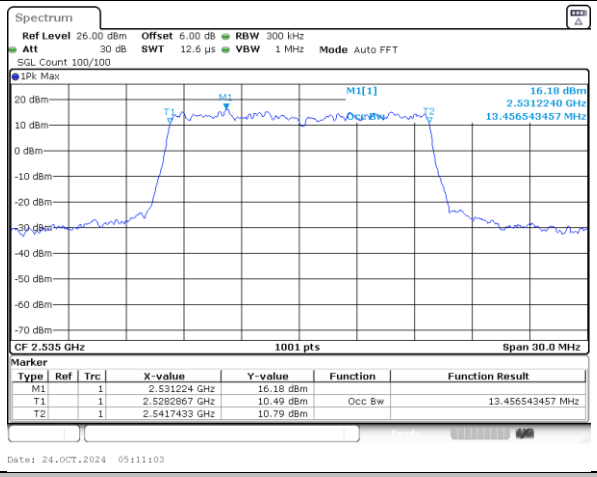
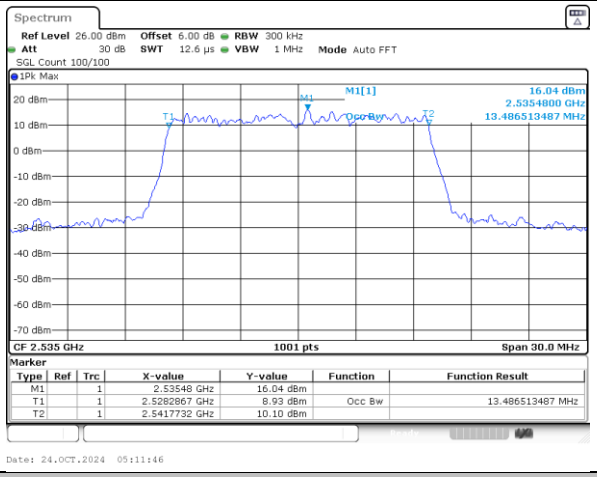
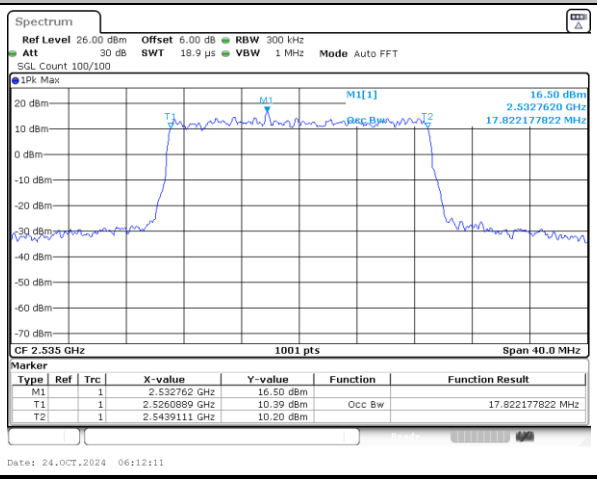
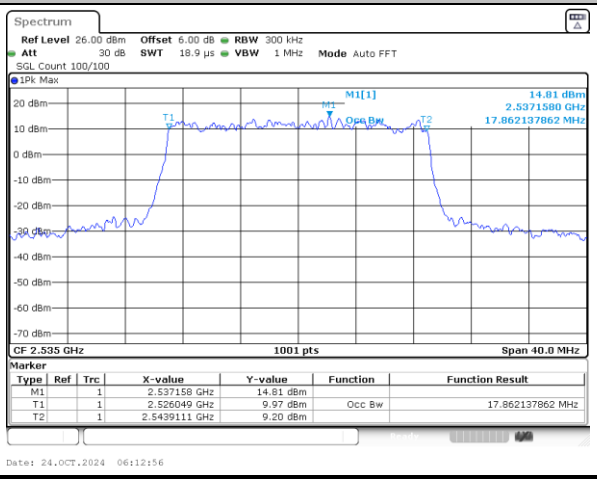
LTE Band 7

Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM

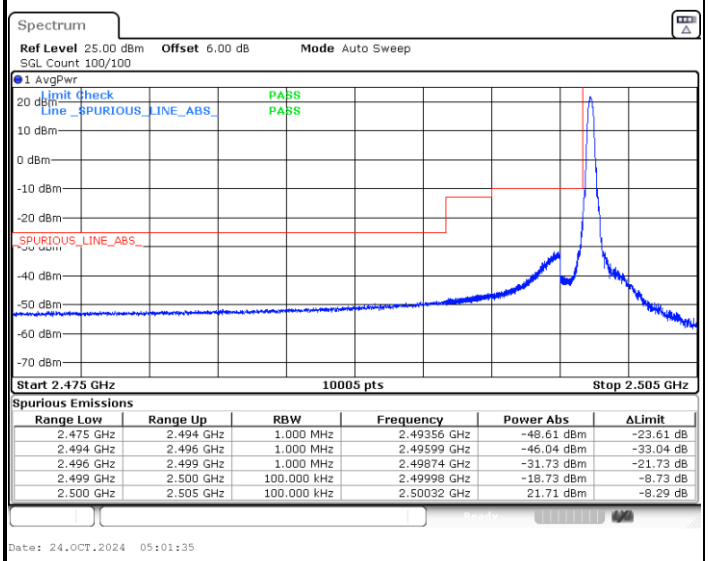


LTE Band 7	
Middle Channel / 15MHz / QPSK	**Middle Channel / 15MHz / 16QAM**
	
LTE Band 7	
Middle Channel / 20MHz / QPSK	**Middle Channel / 20MHz / 16QAM**
	

Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49356 GHz	-48.61 dBm	-23.61 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49599 GHz	-46.04 dBm	-33.04 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49874 GHz	-31.73 dBm	-21.73 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49998 GHz	-18.73 dBm	-8.73 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50032 GHz	21.71 dBm	-8.29 dB

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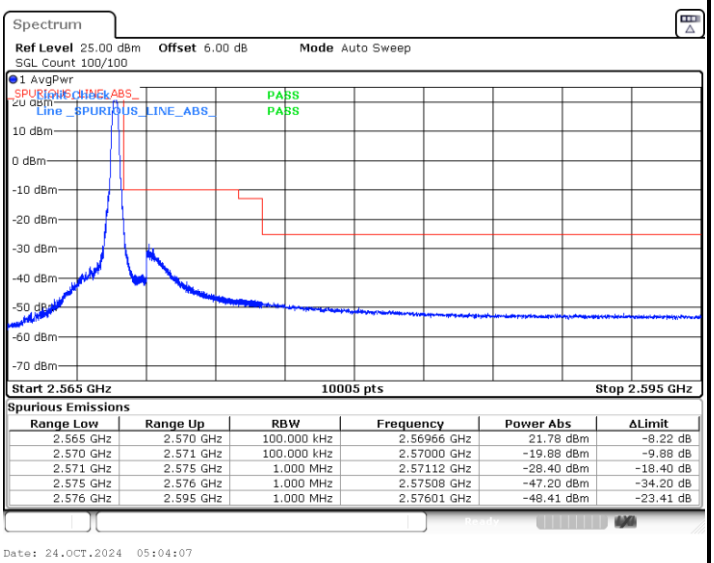
Highest Band Edge / 1 RB

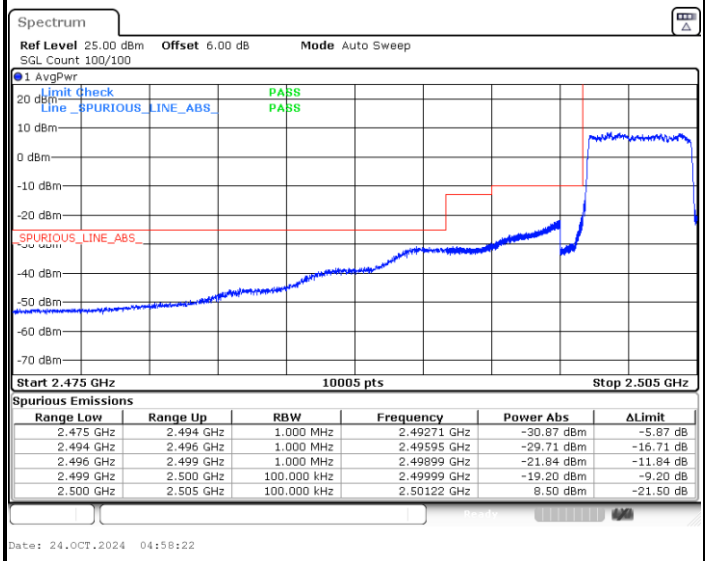


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	21.78 dBm	-8.22 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-19.88 dBm	-9.88 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57112 GHz	-28.40 dBm	-18.40 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57508 GHz	-47.20 dBm	-34.20 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57601 GHz	-48.41 dBm	-23.41 dB

Date: 24.OCT.2024 05:04:07

Lowest Band Edge / Full RB

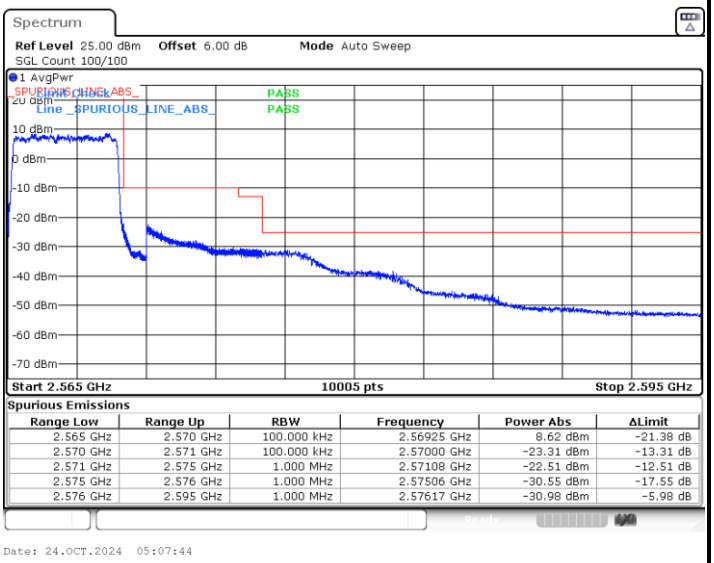


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49271 GHz	-30.87 dBm	-5.87 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49595 GHz	-29.71 dBm	-16.71 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-21.84 dBm	-11.84 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-19.20 dBm	-9.20 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50122 GHz	8.50 dBm	-21.50 dB

Date: 24.OCT.2024 04:58:22

Highest Band Edge / Full RB



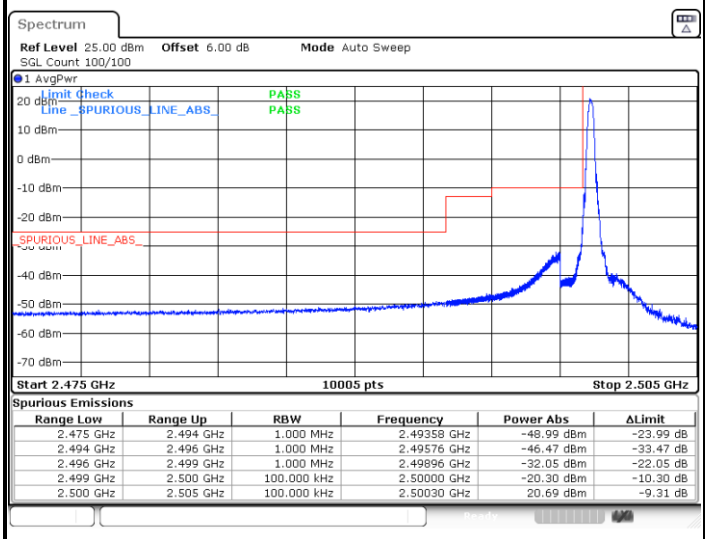
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56925 GHz	8.62 dBm	-21.38 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-23.31 dBm	-13.31 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57108 GHz	-22.51 dBm	-12.51 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57506 GHz	-30.55 dBm	-17.55 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57617 GHz	-30.98 dBm	-5.98 dB

Date: 24.OCT.2024 05:07:44

LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB

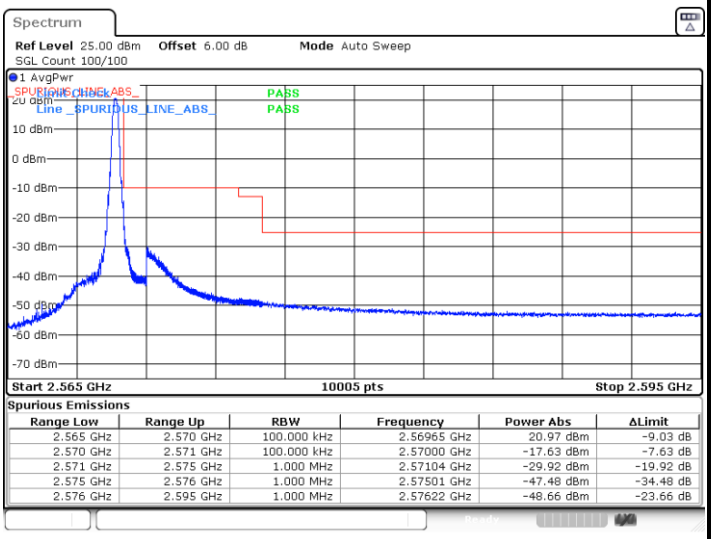


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49358 GHz	-48.99 dBm	-23.99 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49576 GHz	-46.47 dBm	-33.47 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-32.05 dBm	-22.05 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-20.30 dBm	-10.30 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50030 GHz	20.69 dBm	-9.31 dB

Date: 24.OCT.2024 05:01:12

Highest Band Edge / 1 RB

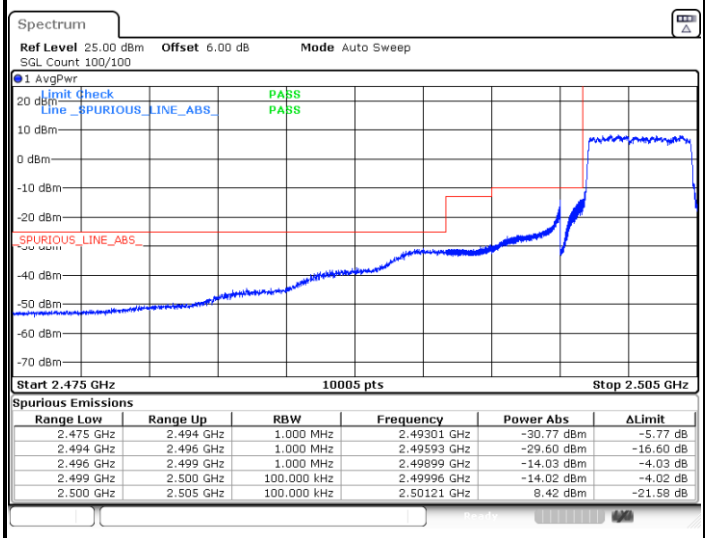


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56965 GHz	20.97 dBm	-9.03 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-17.63 dBm	-7.63 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57104 GHz	-29.92 dBm	-19.92 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57501 GHz	-47.48 dBm	-34.48 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57622 GHz	-48.66 dBm	-23.66 dB

Date: 24.OCT.2024 05:04:34

Lowest Band Edge / Full RB

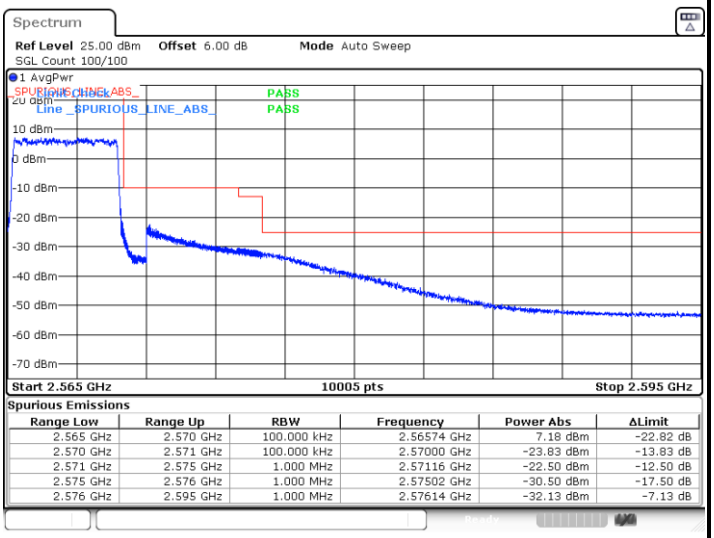


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49301 GHz	-30.77 dBm	-5.77 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49593 GHz	-29.60 dBm	-16.60 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49899 GHz	-14.03 dBm	-4.03 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49996 GHz	-14.02 dBm	-4.02 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50121 GHz	8.42 dBm	-21.58 dB

Date: 24.OCT.2024 04:58:42

Highest Band Edge / Full RB



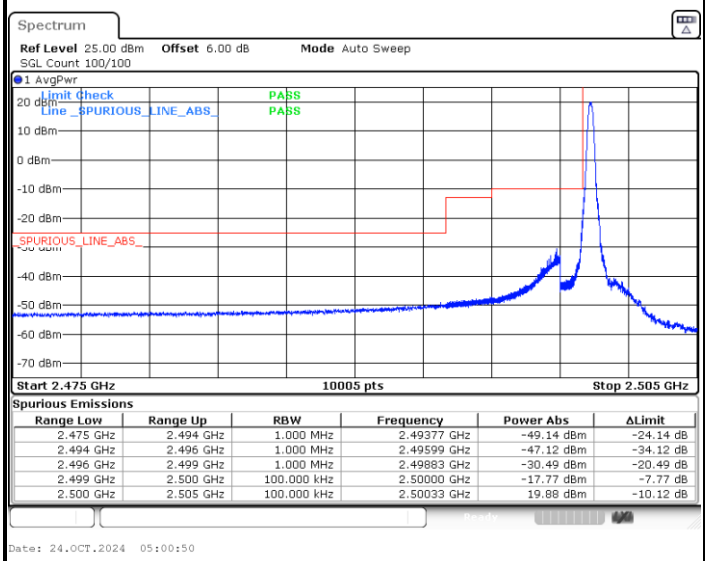
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56574 GHz	7.18 dBm	-22.82 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-23.83 dBm	-13.83 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57116 GHz	-22.50 dBm	-12.50 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57502 GHz	-30.50 dBm	-17.50 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57614 GHz	-32.13 dBm	-7.13 dB

Date: 24.OCT.2024 05:07:19

LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

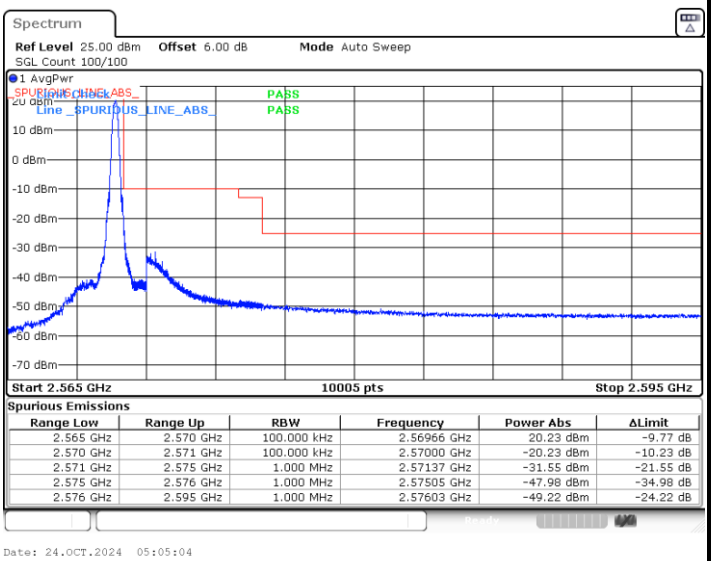


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49377 GHz	-49.14 dBm	-24.14 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49599 GHz	-47.12 dBm	-34.12 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49883 GHz	-30.49 dBm	-20.49 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-17.77 dBm	-7.77 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50033 GHz	19.88 dBm	-10.12 dB

Date: 24.OCT.2024 05:00:50

Highest Band Edge / 1 RB

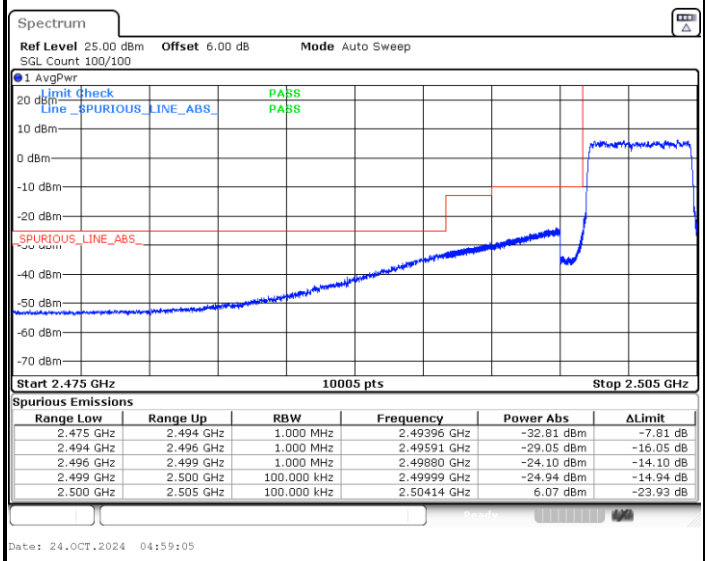


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	20.23 dBm	-9.77 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-20.23 dBm	-10.23 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57137 GHz	-31.55 dBm	-21.55 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57505 GHz	-47.98 dBm	-34.98 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57603 GHz	-49.22 dBm	-24.22 dB

Date: 24.OCT.2024 05:05:04

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49396 GHz	-32.81 dBm	-7.81 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49591 GHz	-29.05 dBm	-16.05 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49880 GHz	-24.10 dBm	-14.10 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-24.94 dBm	-14.94 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50414 GHz	6.07 dBm	-23.93 dB

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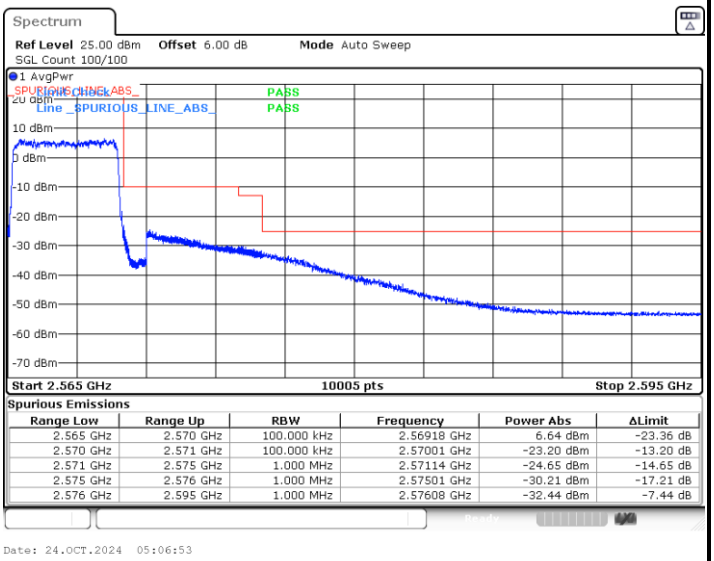
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56918 GHz	6.64 dBm	-23.36 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-23.20 dBm	-13.20 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57114 GHz	-24.65 dBm	-14.65 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57501 GHz	-30.21 dBm	-17.21 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57608 GHz	-32.44 dBm	-7.44 dB

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