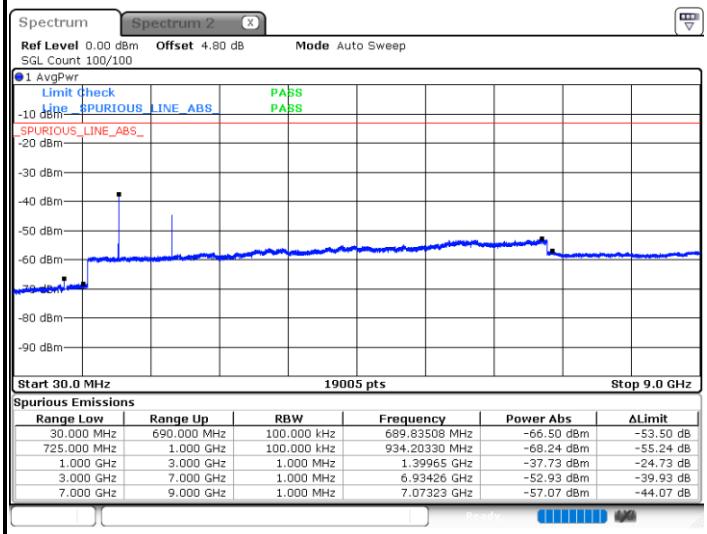
LTE Band 12 / 10MHz

Lowest Channel / QPSK

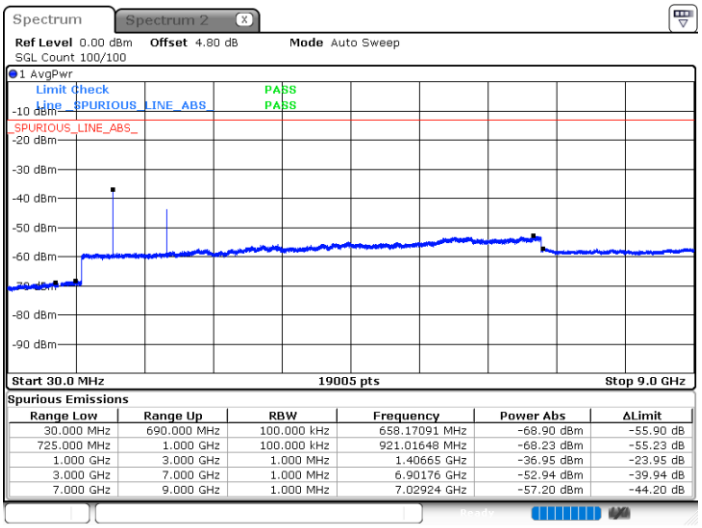


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	689.83508 MHz	-66.50 dBm	-53.50 dB
725.000 MHz	1.000 GHz	100.000 kHz	934.20330 MHz	-68.24 dBm	-55.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-37.73 dBm	-24.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93426 GHz	-52.93 dBm	-39.93 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.07323 GHz	-57.07 dBm	-44.07 dB

Date: 24.APR.2024 23:23:44

Middle Channel / QPSK

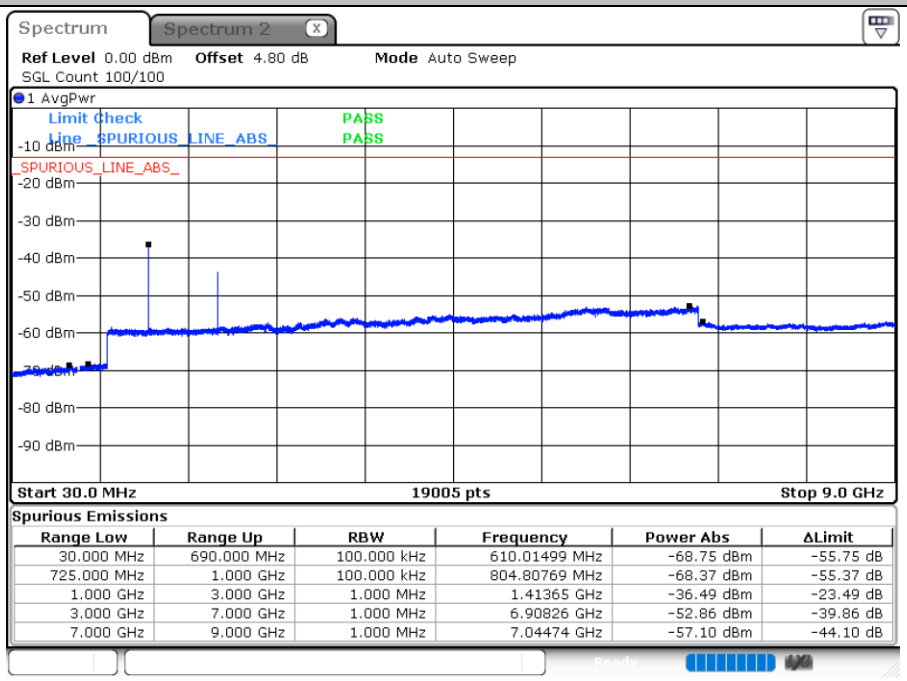


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	658.17091 MHz	-68.90 dBm	-55.90 dB
725.000 MHz	1.000 GHz	100.000 kHz	921.01648 MHz	-68.23 dBm	-55.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.40665 GHz	-36.95 dBm	-23.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90176 GHz	-52.94 dBm	-39.94 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.02924 GHz	-57.20 dBm	-44.20 dB

Date: 24.APR.2024 23:33:14

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	610.01499 MHz	-68.75 dBm	-55.75 dB
725.000 MHz	1.000 GHz	100.000 kHz	804.80769 MHz	-68.37 dBm	-55.37 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41365 GHz	-36.49 dBm	-23.49 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90826 GHz	-52.86 dBm	-39.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.04474 GHz	-57.10 dBm	-44.10 dB

Date: 24.APR.2024 23:35:13

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0046	
20	Normal Voltage	0.0048	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

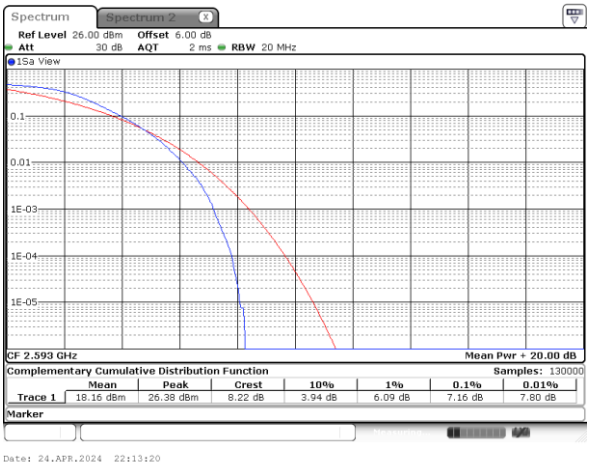
LTE Band 41

Peak-to-Average Ratio

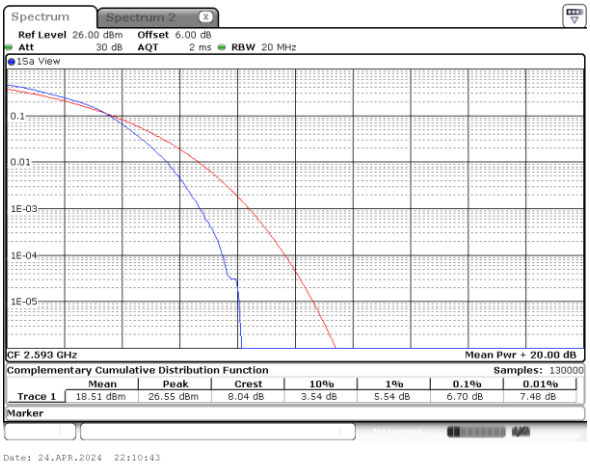
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	7.16	6.70	6.32	PASS

LTE Band 41 / 20MHz

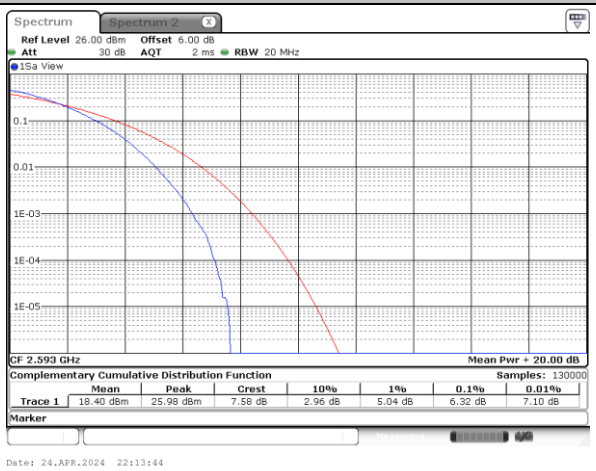
Middle Channel / Full RB / QPSK



Middle Channel / Full RB / 16QAM



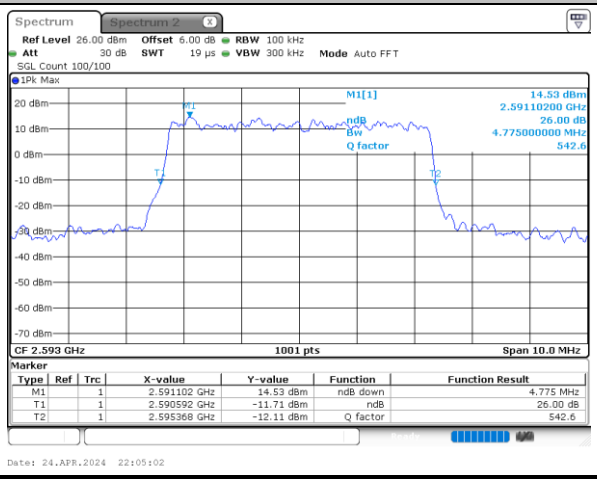
Middle Channel / Full RB / 64QAM

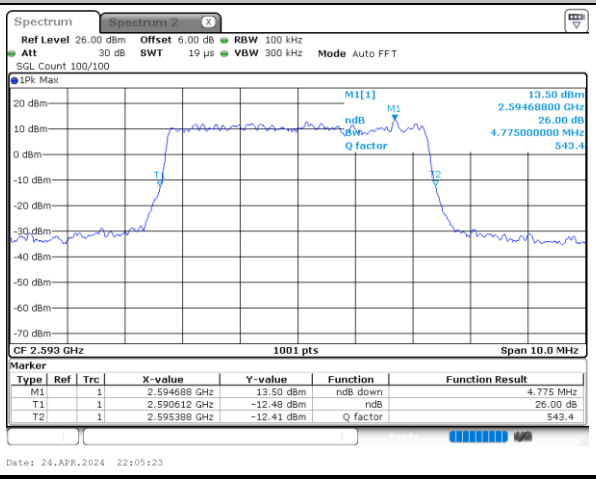


26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.78	4.78
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.67	9.73
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.18	14.45
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.86	18.98

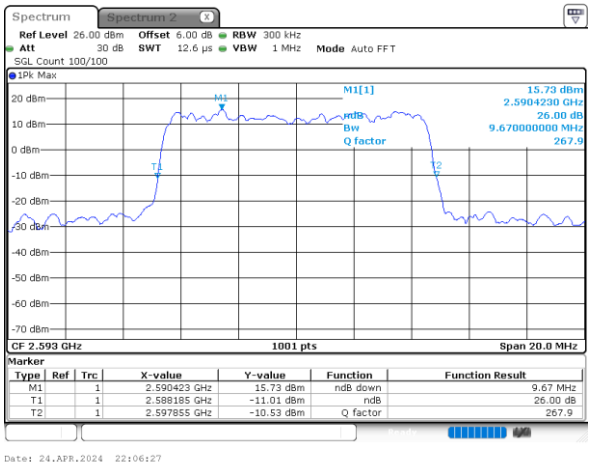
LTE Band 41	
Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM



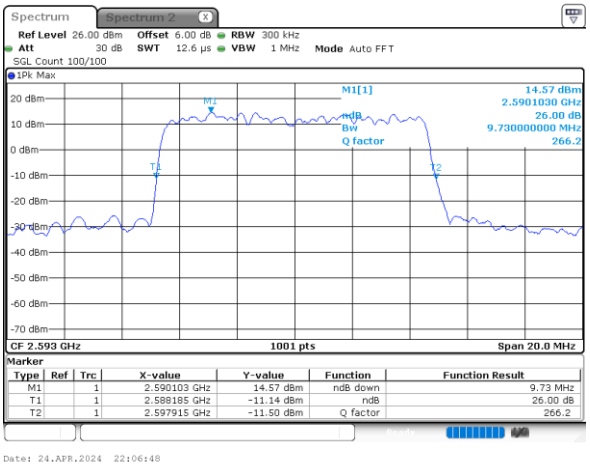


LTE Band 41

Middle Channel / 10MHz / QPSK

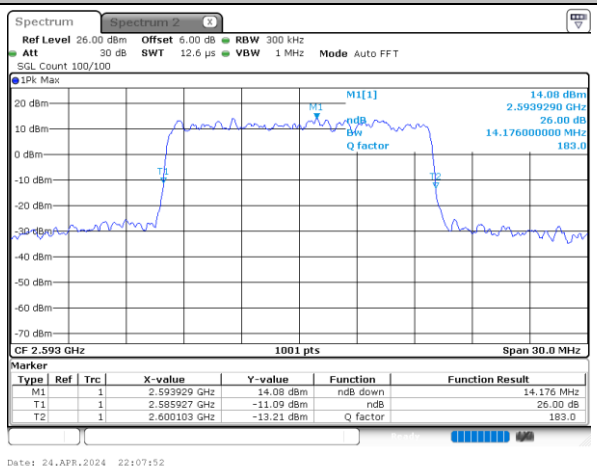


Middle Channel / 10MHz / 16QAM

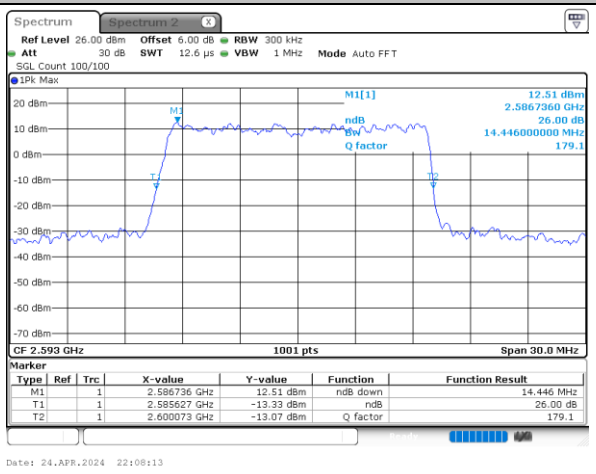


LTE Band 41

Middle Channel / 15MHz / QPSK

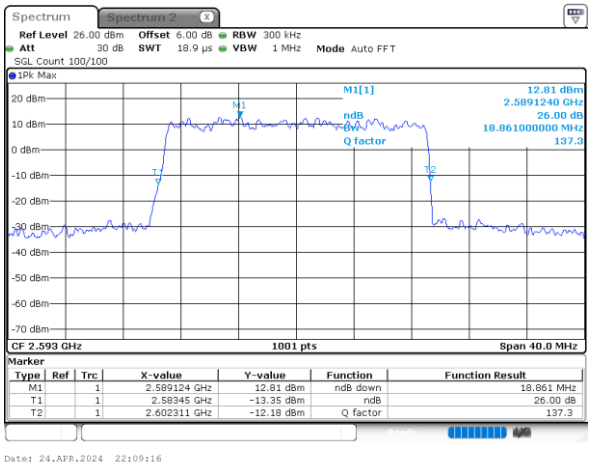


Middle Channel / 15MHz / 16QAM

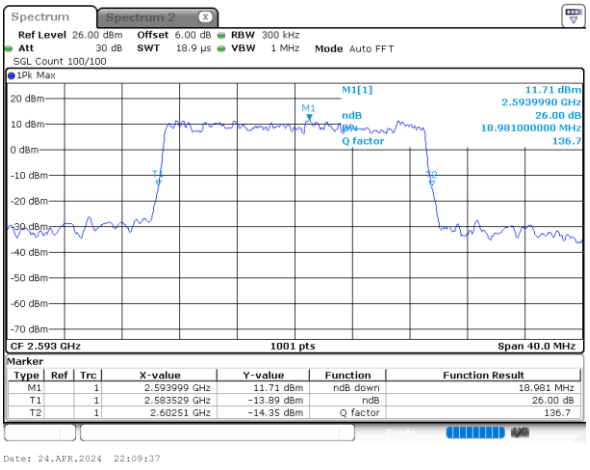


LTE Band 41

Middle Channel / 20MHz / QPSK



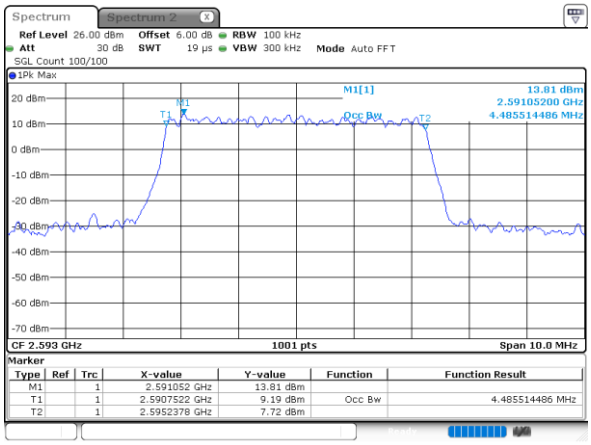
Middle Channel / 20MHz / 16QAM

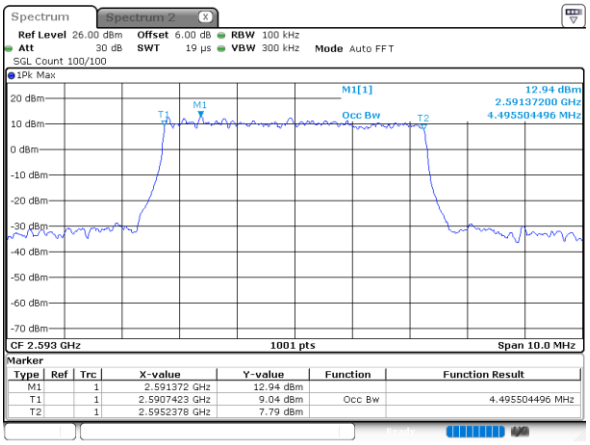


Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.50
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.01
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.86

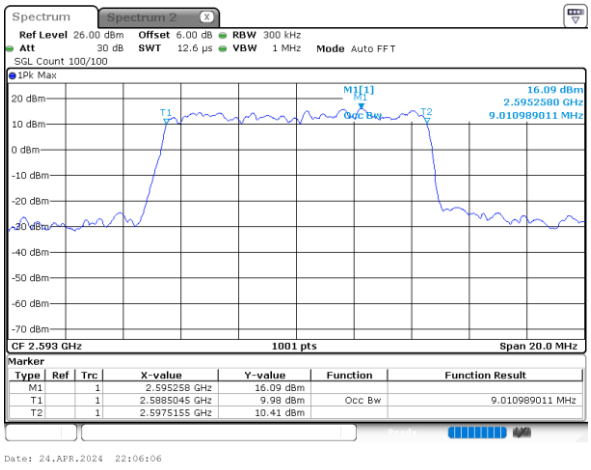
LTE Band 41	
Middle Channel / 5MHz / QPSK	Middle Channel / 5MHz / 16QAM



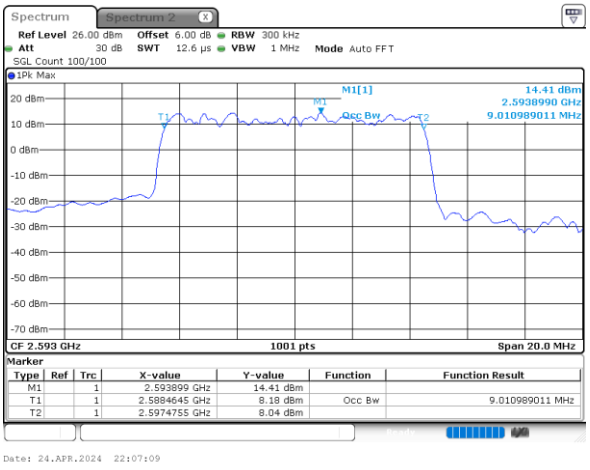


LTE Band 41

Middle Channel / 10MHz / QPSK

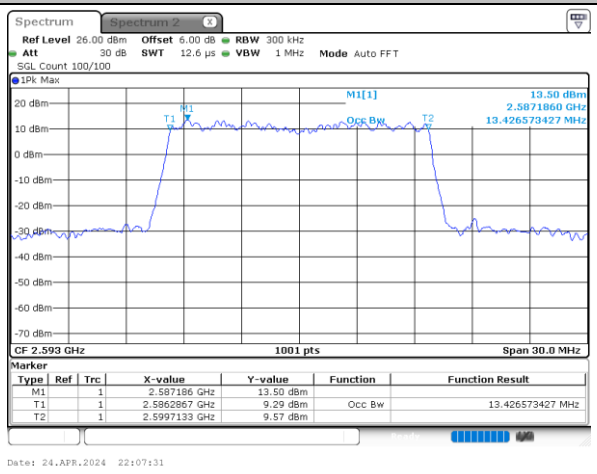


Middle Channel / 10MHz / 16QAM

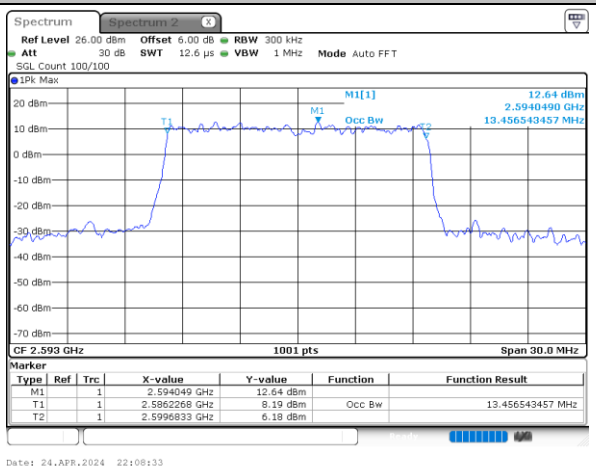


LTE Band 41

Middle Channel / 15MHz / QPSK

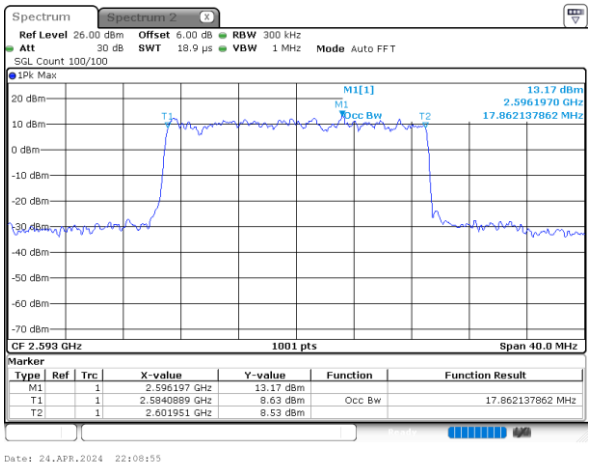


Middle Channel / 15MHz / 16QAM

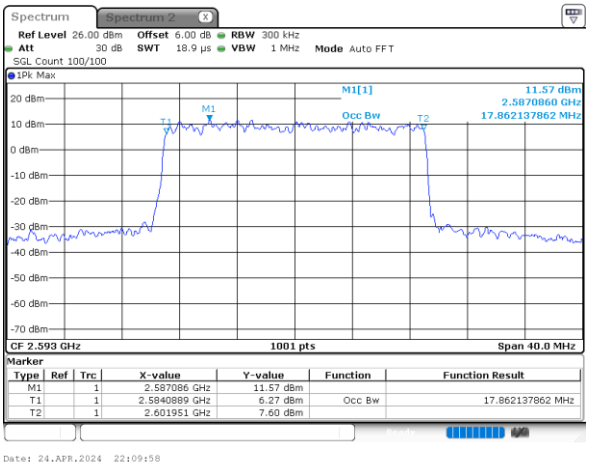


LTE Band 41

Middle Channel / 20MHz / QPSK



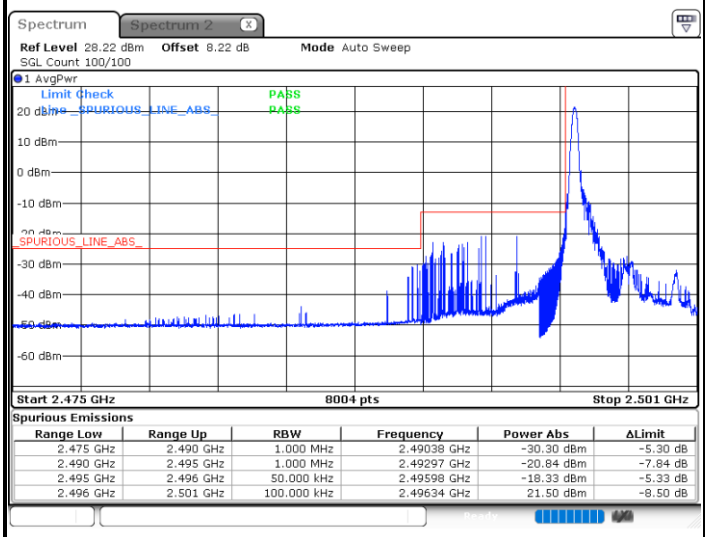
Middle Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB

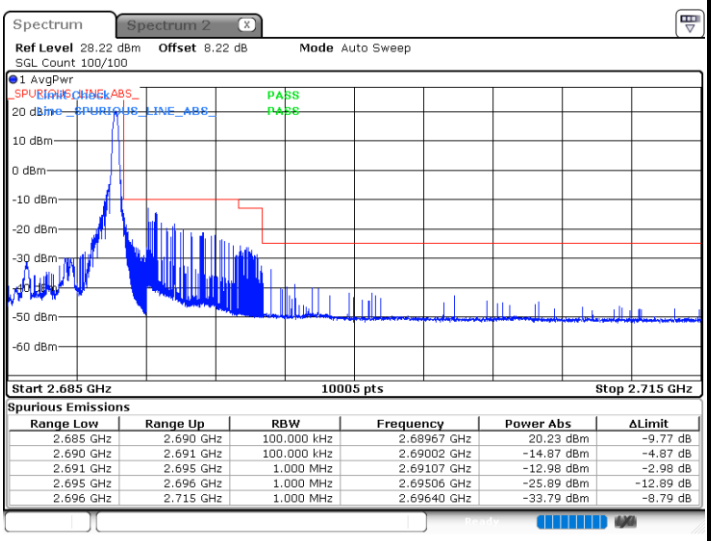


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49038 GHz	-30.30 dBm	-5.30 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49297 GHz	-20.84 dBm	-7.84 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49598 GHz	-18.33 dBm	-5.33 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49634 GHz	21.50 dBm	-8.50 dB

Date: 24.APR.2024 21:05:11

Highest Band Edge / 1 RB

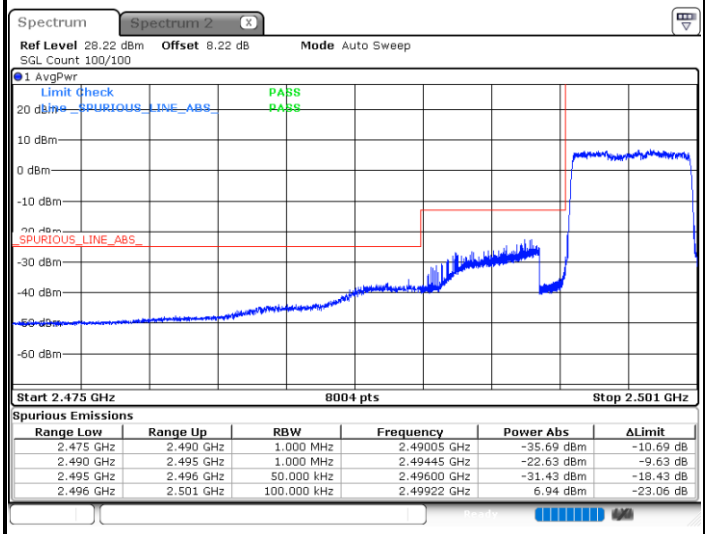


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68967 GHz	20.23 dBm	-9.77 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69002 GHz	-14.87 dBm	-4.87 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69107 GHz	-12.98 dBm	-2.98 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69506 GHz	-25.89 dBm	-12.89 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69640 GHz	-33.79 dBm	-8.79 dB

Date: 24.APR.2024 21:13:09

Lowest Band Edge / Full RB

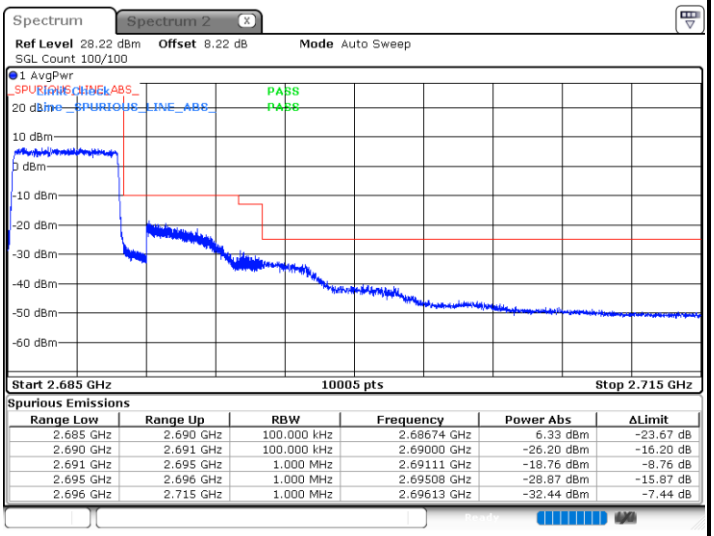


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49005 GHz	-35.69 dBm	-10.69 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49445 GHz	-22.63 dBm	-9.63 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-31.43 dBm	-18.43 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49922 GHz	6.94 dBm	-23.06 dB

Date: 24.APR.2024 21:08:31

Highest Band Edge / Full RB



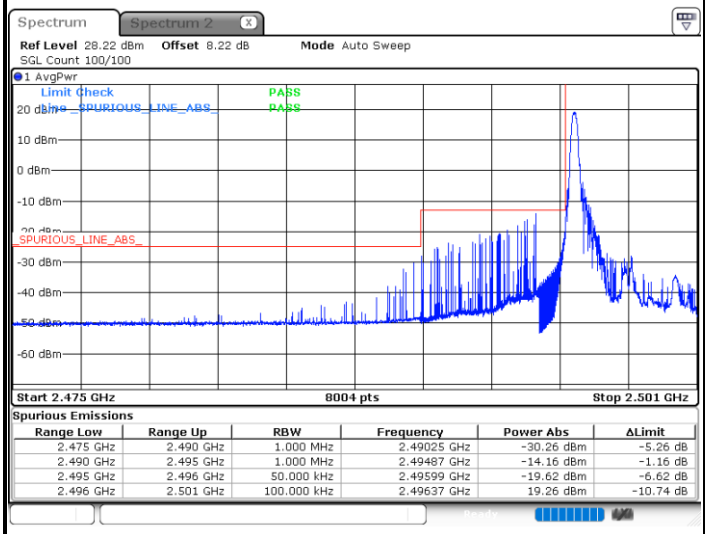
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68674 GHz	6.33 dBm	-23.67 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-26.20 dBm	-16.20 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69111 GHz	-18.76 dBm	-8.76 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69508 GHz	-28.87 dBm	-15.87 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69613 GHz	-32.44 dBm	-7.44 dB

Date: 24.APR.2024 21:16:29

LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB

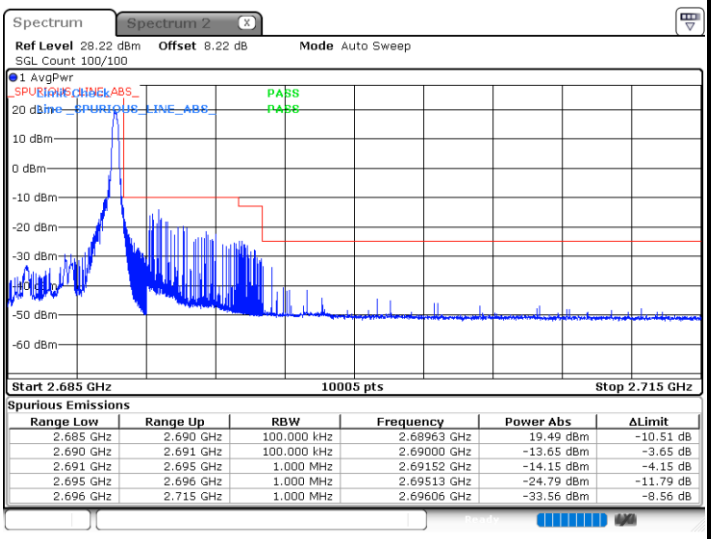


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49025 GHz	-30.26 dBm	-5.26 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49487 GHz	-14.16 dBm	-1.16 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-19.62 dBm	-6.62 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49637 GHz	19.26 dBm	-10.74 dB

Date: 24.APR.2024 21:05:51

Highest Band Edge / 1 RB

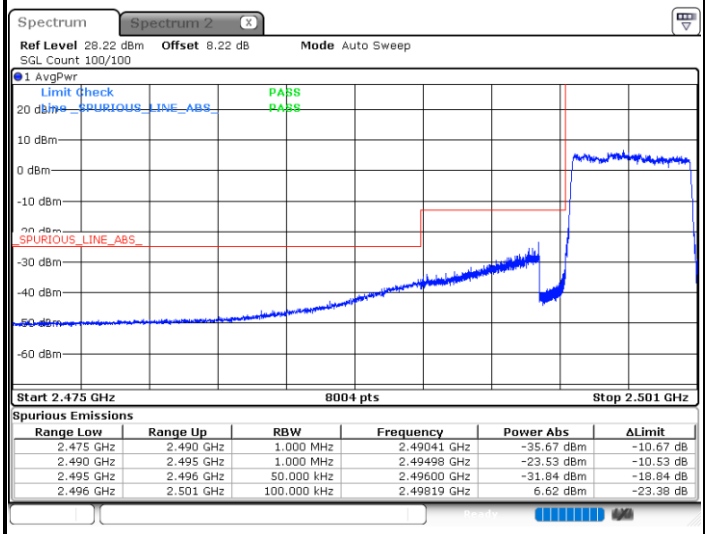


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68963 GHz	19.49 dBm	-10.51 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-13.65 dBm	-3.65 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69152 GHz	-14.15 dBm	-4.15 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69513 GHz	-24.79 dBm	-11.79 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69606 GHz	-33.56 dBm	-8.56 dB

Date: 24.APR.2024 21:13:49

Lowest Band Edge / Full RB

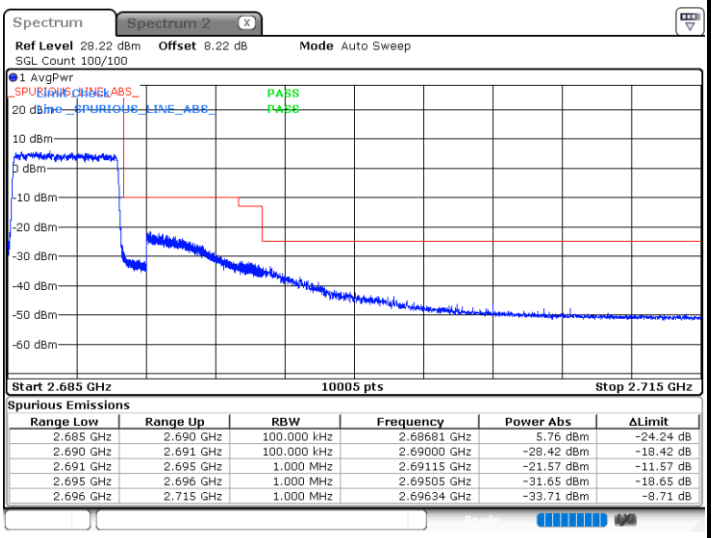


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49041 GHz	-35.67 dBm	-10.67 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49498 GHz	-23.53 dBm	-10.53 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-31.84 dBm	-18.84 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49819 GHz	6.62 dBm	-23.38 dB

Date: 24.APR.2024 21:07:51

Highest Band Edge / Full RB



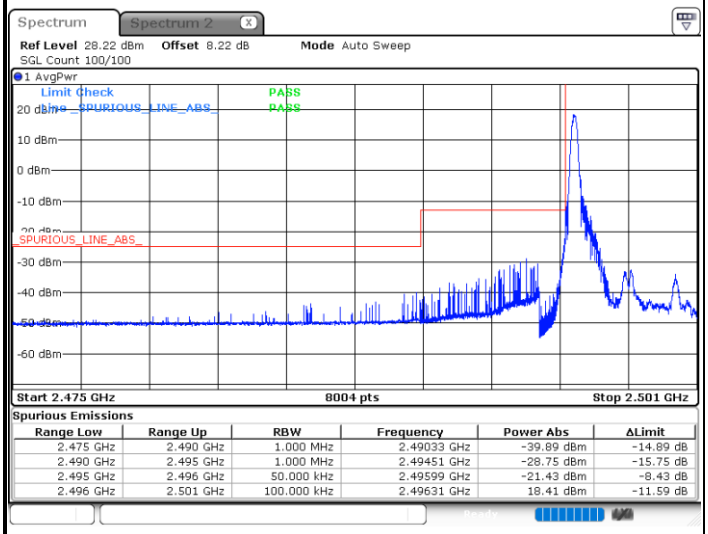
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68681 GHz	5.76 dBm	-24.24 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-28.42 dBm	-18.42 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69115 GHz	-21.57 dBm	-11.57 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69505 GHz	-31.65 dBm	-18.65 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69634 GHz	-33.71 dBm	-8.71 dB

Date: 24.APR.2024 21:15:49

LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB

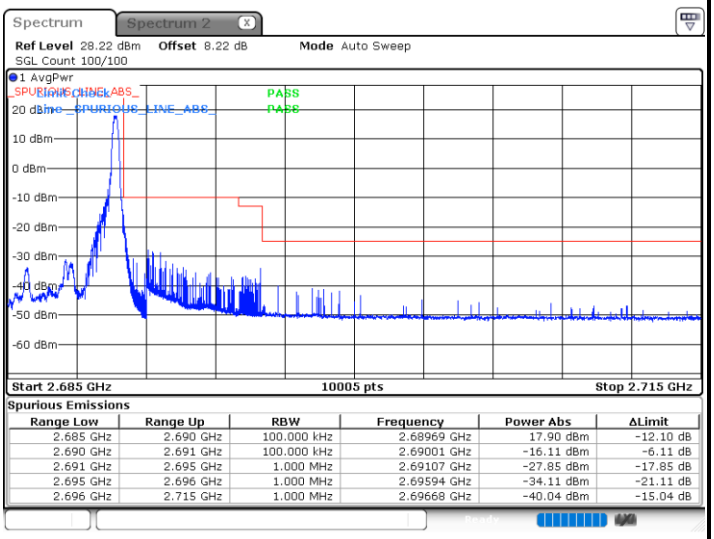


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-39.89 dBm	-14.89 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49451 GHz	-28.75 dBm	-15.75 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-21.43 dBm	-8.43 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49631 GHz	18.41 dBm	-11.59 dB

Date: 24.APR.2024 21:06:31

Highest Band Edge / 1 RB

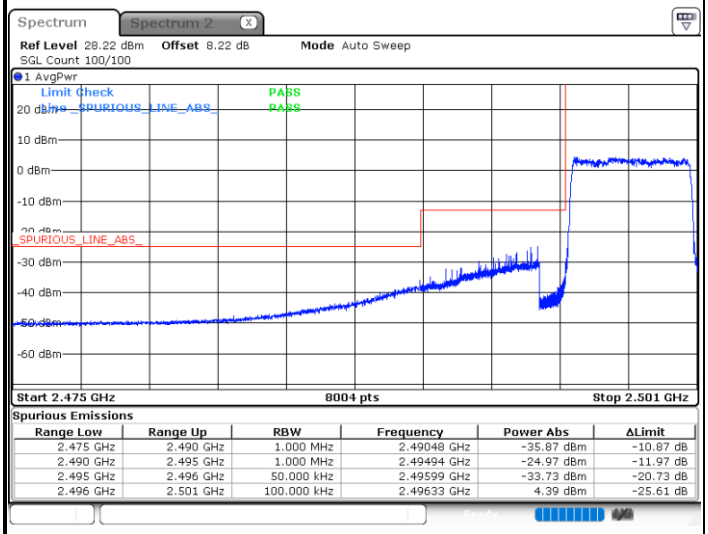


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68969 GHz	17.90 dBm	-12.10 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69001 GHz	-16.11 dBm	-6.11 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69107 GHz	-27.85 dBm	-17.85 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69594 GHz	-34.11 dBm	-21.11 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69668 GHz	-40.04 dBm	-15.04 dB

Date: 24.APR.2024 21:14:29

Lowest Band Edge / Full RB

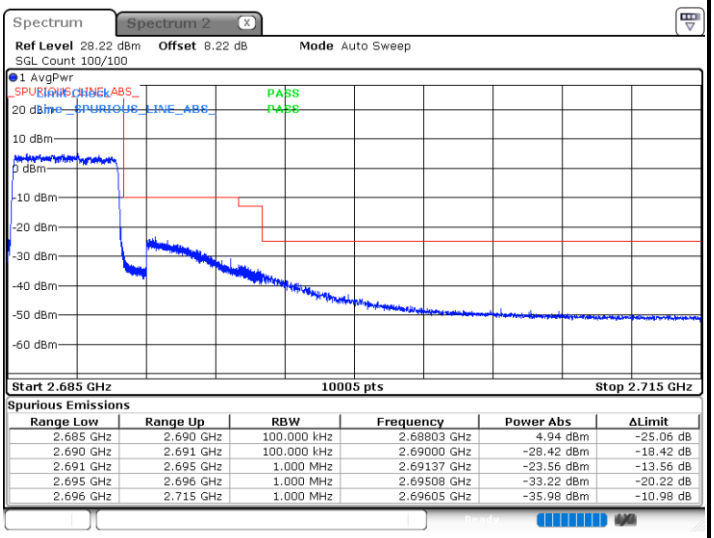


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-35.87 dBm	-10.87 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49494 GHz	-24.97 dBm	-11.97 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-33.73 dBm	-20.73 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49633 GHz	4.39 dBm	-25.61 dB

Date: 24.APR.2024 21:07:11

Highest Band Edge / Full RB



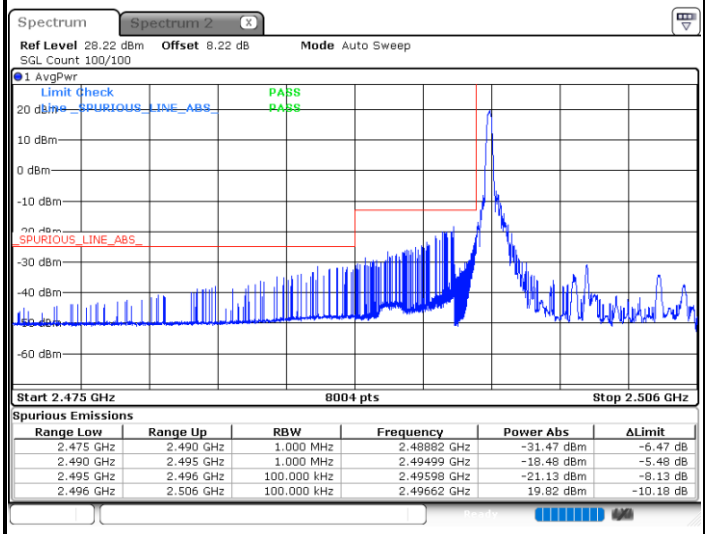
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68803 GHz	4.94 dBm	-25.06 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-28.42 dBm	-18.42 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69137 GHz	-23.56 dBm	-13.56 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69508 GHz	-33.22 dBm	-20.22 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69605 GHz	-35.98 dBm	-10.98 dB

Date: 24.APR.2024 21:15:09

LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

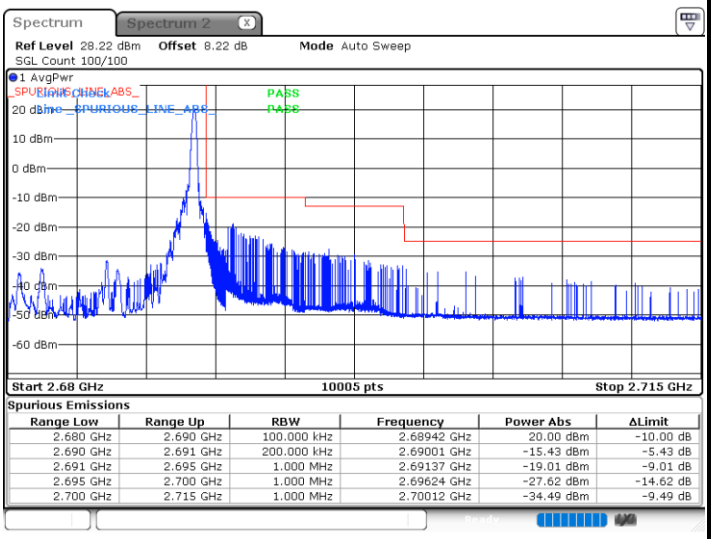


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48882 GHz	-31.47 dBm	-6.47 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-18.48 dBm	-5.48 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49598 GHz	-21.13 dBm	-8.13 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49662 GHz	19.82 dBm	-10.18 dB

Date: 24.APR.2024 21:19:09

Highest Band Edge / 1 RB

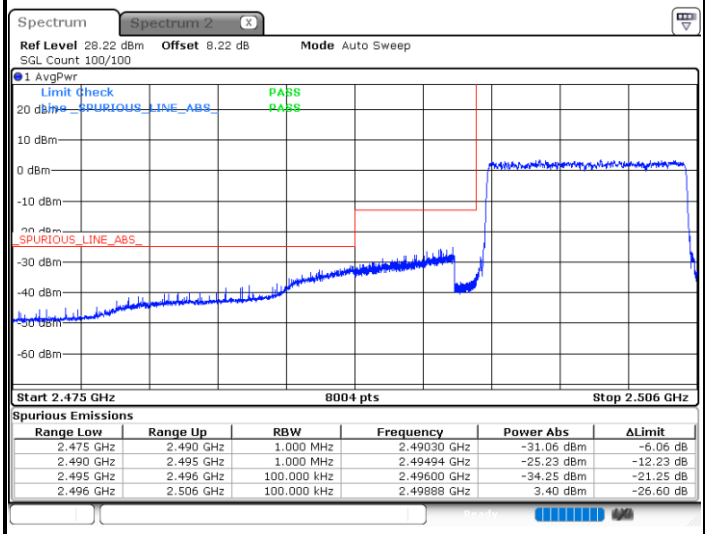


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68942 GHz	20.00 dBm	-10.00 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-15.43 dBm	-5.43 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69137 GHz	-19.01 dBm	-9.01 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69624 GHz	-27.62 dBm	-14.62 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70012 GHz	-34.49 dBm	-9.49 dB

Date: 24.APR.2024 21:27:08

Lowest Band Edge / Full RB

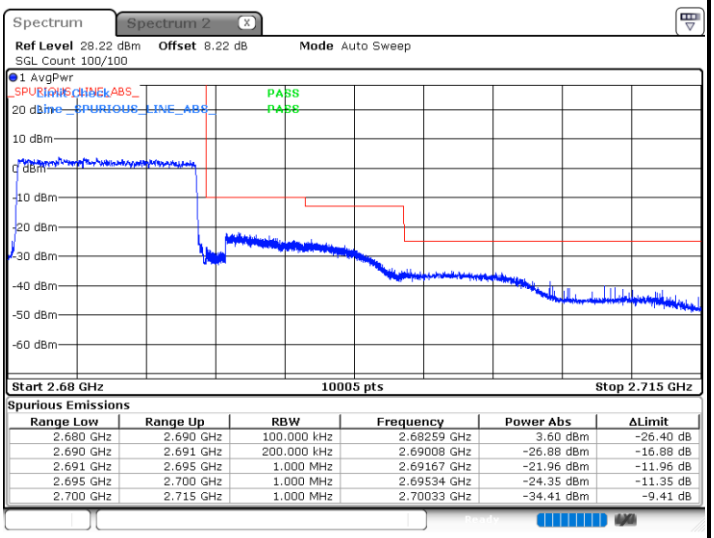


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49030 GHz	-31.06 dBm	-6.06 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49494 GHz	-25.23 dBm	-12.23 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-34.25 dBm	-21.25 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49888 GHz	3.40 dBm	-26.60 dB

Date: 24.APR.2024 21:22:29

Highest Band Edge / Full RB



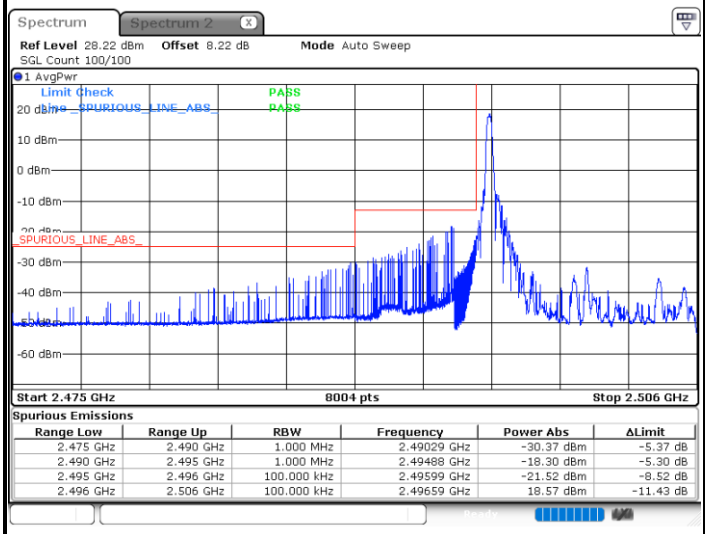
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68259 GHz	3.60 dBm	-26.40 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69008 GHz	-26.88 dBm	-16.88 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69167 GHz	-21.96 dBm	-11.96 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69534 GHz	-24.35 dBm	-11.35 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70033 GHz	-34.41 dBm	-9.41 dB

Date: 24.APR.2024 21:30:27

LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

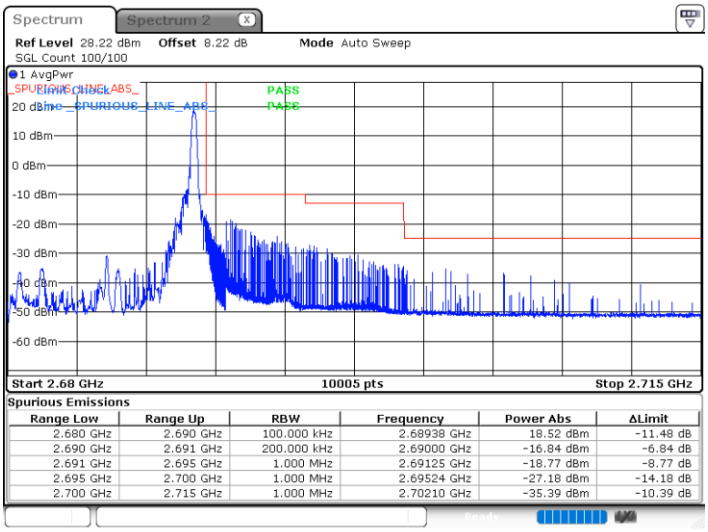


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49029 GHz	-30.37 dBm	-5.37 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49488 GHz	-18.30 dBm	-5.30 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49599 GHz	-21.52 dBm	-8.52 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49659 GHz	18.57 dBm	-11.43 dB

Date: 24.APR.2024 21:19:49

Highest Band Edge / 1 RB

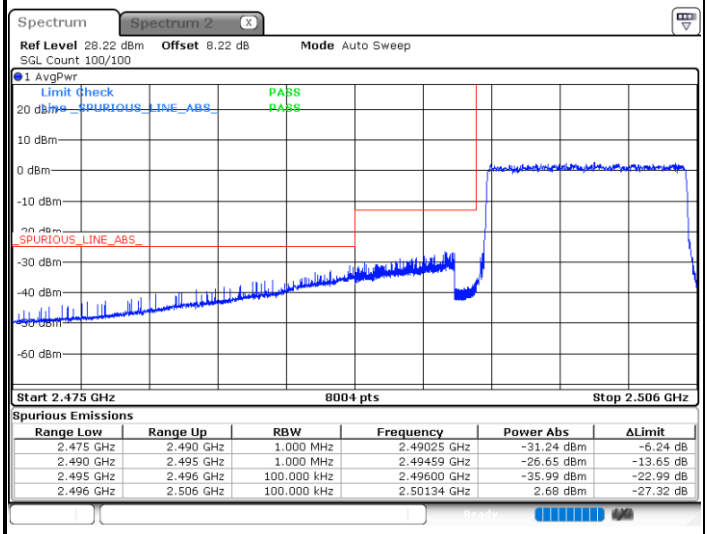


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68938 GHz	18.52 dBm	-11.48 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69000 GHz	-16.84 dBm	-6.84 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69125 GHz	-18.77 dBm	-8.77 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69524 GHz	-27.18 dBm	-14.18 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70210 GHz	-35.39 dBm	-10.39 dB

Date: 24.APR.2024 21:27:48

Lowest Band Edge / Full RB

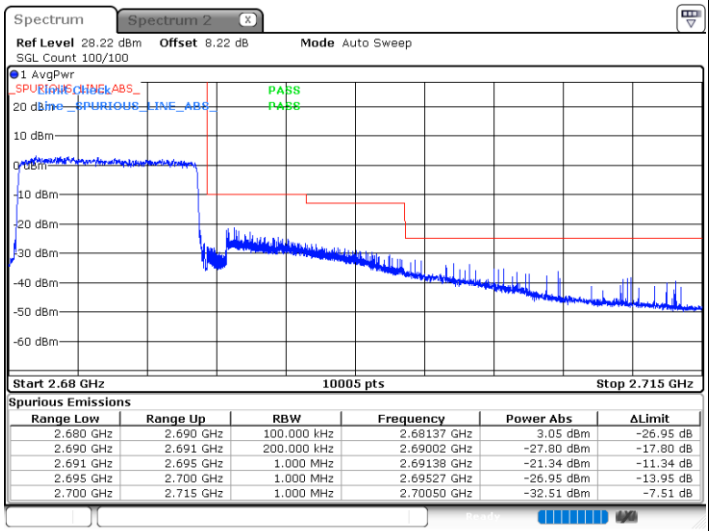


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49025 GHz	-31.24 dBm	-6.24 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49459 GHz	-26.65 dBm	-13.65 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-35.99 dBm	-22.99 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50134 GHz	2.68 dBm	-27.32 dB

Date: 24.APR.2024 21:21:49

Highest Band Edge / Full RB



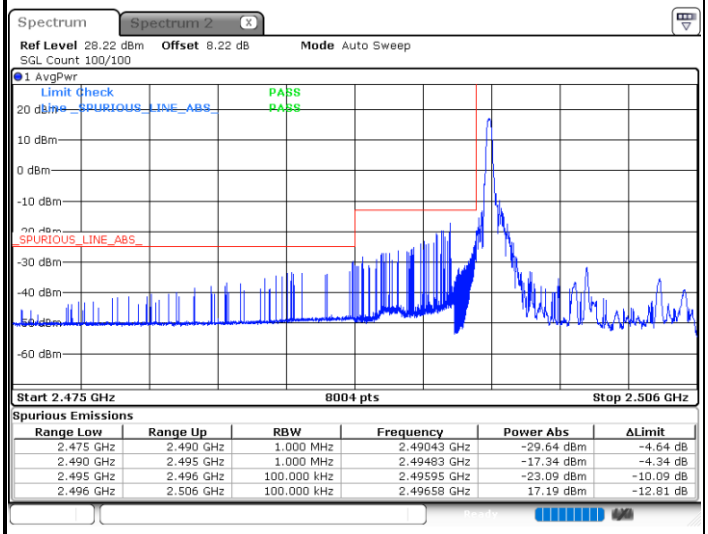
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68137 GHz	3.05 dBm	-26.95 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69002 GHz	-27.80 dBm	-17.80 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69138 GHz	-21.34 dBm	-11.34 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69527 GHz	-26.95 dBm	-13.95 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70050 GHz	-32.51 dBm	-7.51 dB

Date: 24.APR.2024 21:29:47

LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

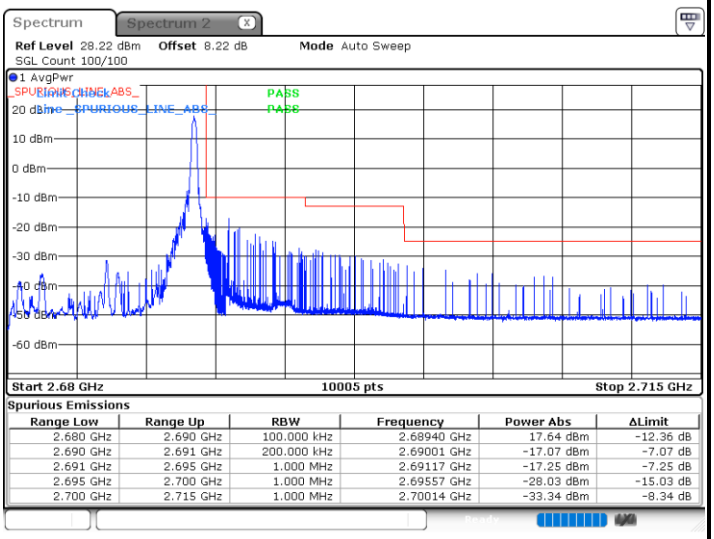


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49043 GHz	-29.64 dBm	-4.64 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49483 GHz	-17.34 dBm	-4.34 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49595 GHz	-23.09 dBm	-10.09 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49658 GHz	17.19 dBm	-12.81 dB

Date: 24.APR.2024 21:20:29

Highest Band Edge / 1 RB

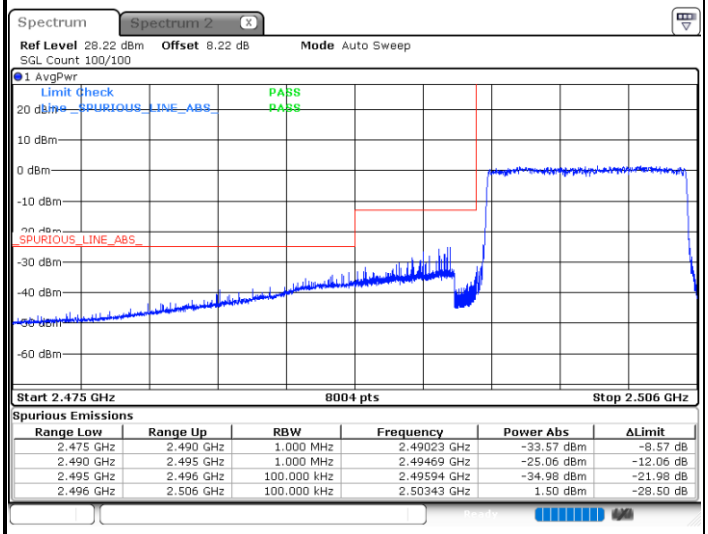


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68940 GHz	17.64 dBm	-12.36 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-17.07 dBm	-7.07 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69117 GHz	-17.25 dBm	-7.25 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69557 GHz	-28.03 dBm	-15.03 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70014 GHz	-33.34 dBm	-8.34 dB

Date: 24.APR.2024 21:28:27

Lowest Band Edge / Full RB

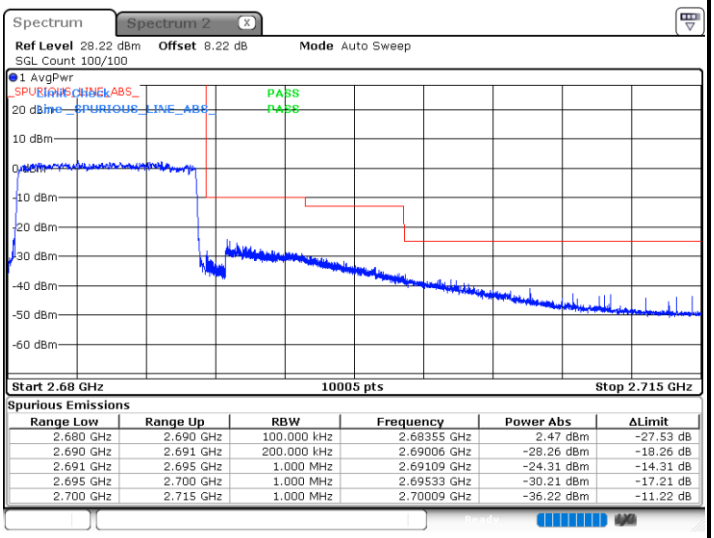


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49023 GHz	-33.57 dBm	-8.57 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49469 GHz	-25.06 dBm	-12.06 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49594 GHz	-34.98 dBm	-21.98 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50343 GHz	1.50 dBm	-28.50 dB

Date: 24.APR.2024 21:21:09

Highest Band Edge / Full RB



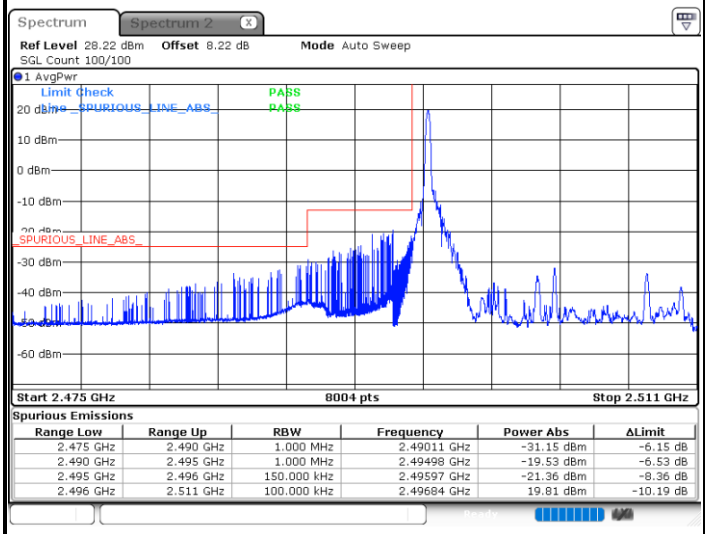
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68355 GHz	2.47 dBm	-27.53 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69006 GHz	-28.26 dBm	-18.26 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-24.31 dBm	-14.31 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69533 GHz	-30.21 dBm	-17.21 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70009 GHz	-36.22 dBm	-11.22 dB

Date: 24.APR.2024 21:29:07

LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB

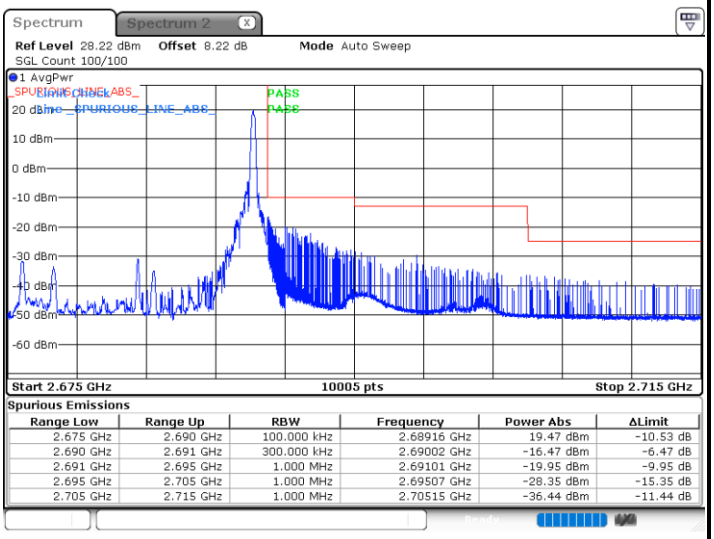


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49011 GHz	-31.15 dBm	-6.15 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49498 GHz	-19.53 dBm	-6.53 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49597 GHz	-21.36 dBm	-8.36 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49684 GHz	19.81 dBm	-10.19 dB

Date: 24.APR.2024 21:33:07

Highest Band Edge / 1 RB

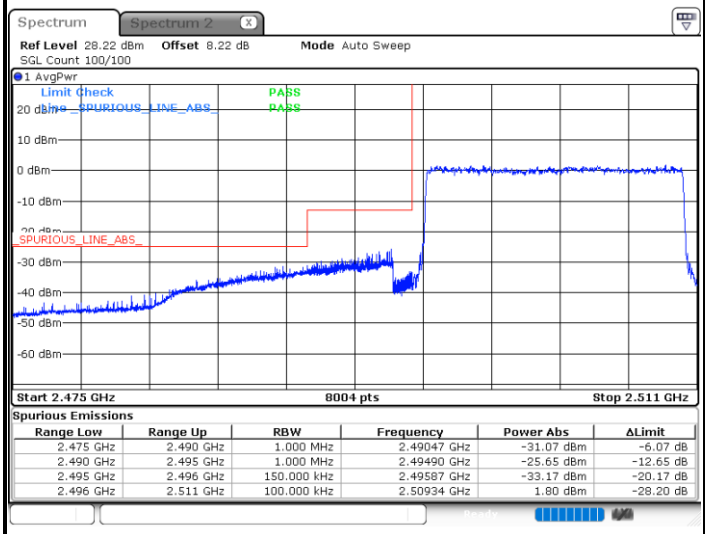


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68916 GHz	19.47 dBm	-10.53 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69002 GHz	-16.47 dBm	-6.47 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-19.95 dBm	-9.95 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69507 GHz	-28.35 dBm	-15.35 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70515 GHz	-36.44 dBm	-11.44 dB

Date: 24.APR.2024 21:41:05

Lowest Band Edge / Full RB

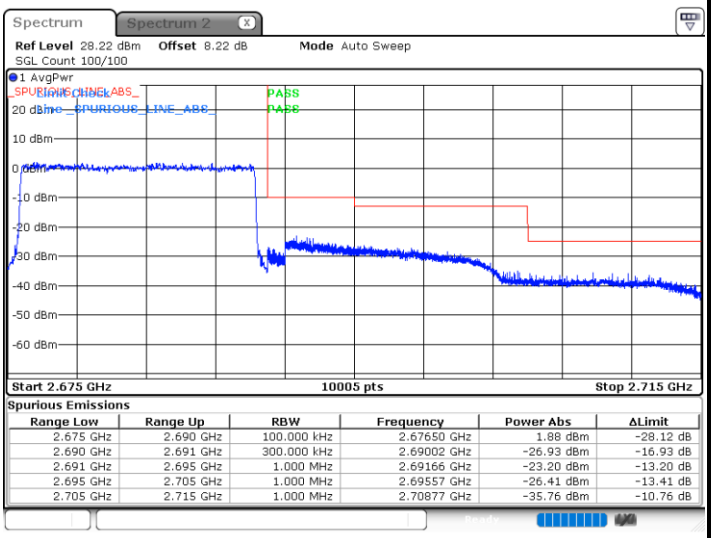


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-31.07 dBm	-6.07 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49490 GHz	-25.65 dBm	-12.65 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49587 GHz	-33.17 dBm	-20.17 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50934 GHz	1.80 dBm	-28.20 dB

Date: 24.APR.2024 21:36:27

Highest Band Edge / Full RB



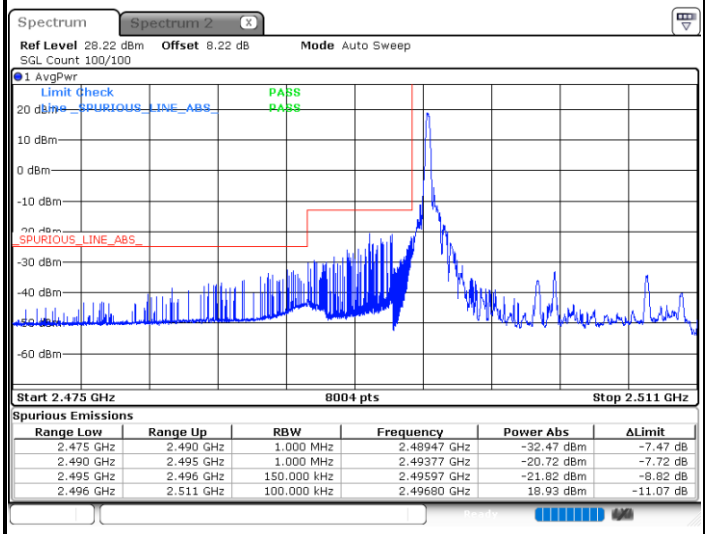
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67650 GHz	1.88 dBm	-28.12 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69002 GHz	-26.93 dBm	-16.93 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69166 GHz	-23.20 dBm	-13.20 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69557 GHz	-26.41 dBm	-13.41 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70877 GHz	-35.76 dBm	-10.76 dB

Date: 24.APR.2024 21:44:25

LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

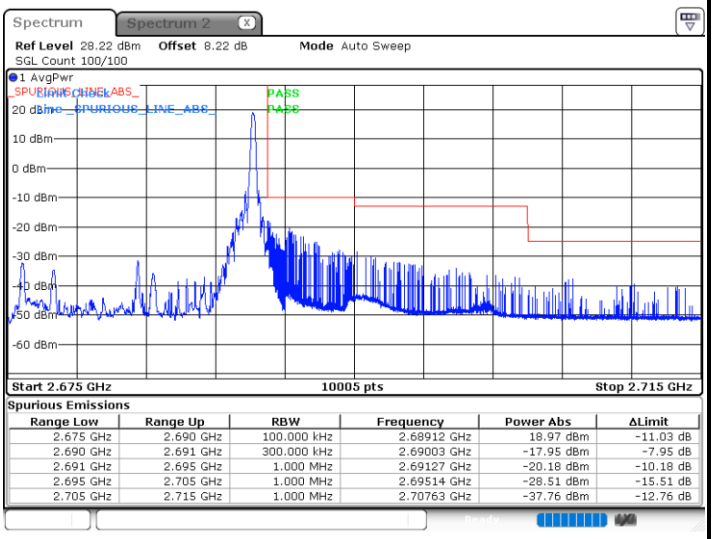


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48947 GHz	-32.47 dBm	-7.47 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49377 GHz	-20.72 dBm	-7.72 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49597 GHz	-21.82 dBm	-8.82 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49680 GHz	18.93 dBm	-11.07 dB

Date: 24.APR.2024 21:33:47

Highest Band Edge / 1 RB

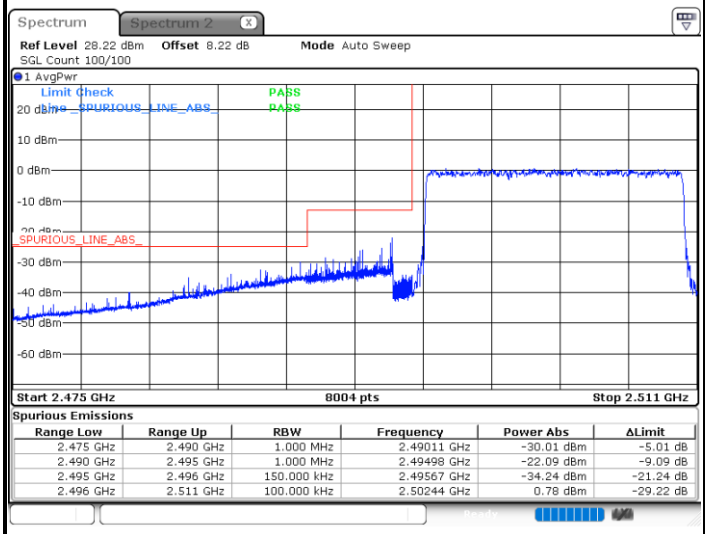


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68912 GHz	18.97 dBm	-11.03 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69003 GHz	-17.95 dBm	-7.95 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69127 GHz	-20.18 dBm	-10.18 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69514 GHz	-28.51 dBm	-15.51 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70763 GHz	-37.76 dBm	-12.76 dB

Date: 24.APR.2024 21:41:45

Lowest Band Edge / Full RB

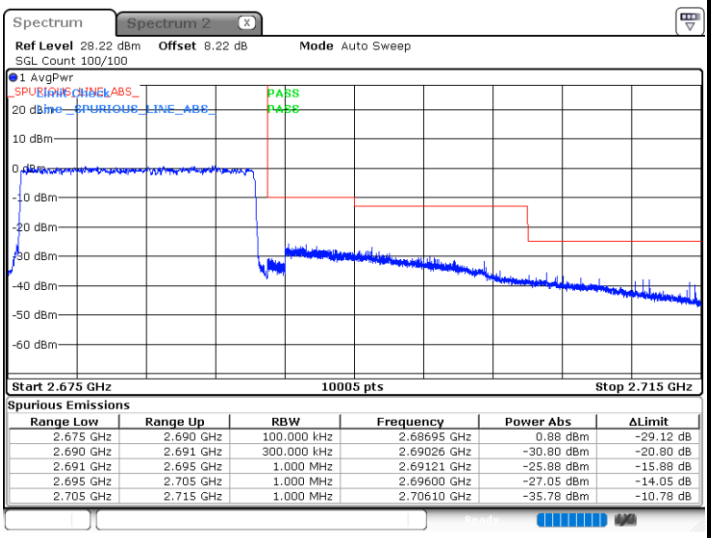


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49011 GHz	-30.01 dBm	-5.01 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49498 GHz	-22.09 dBm	-9.09 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49567 GHz	-34.24 dBm	-21.24 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50244 GHz	0.78 dBm	-29.22 dB

Date: 24.APR.2024 21:35:47

Highest Band Edge / Full RB



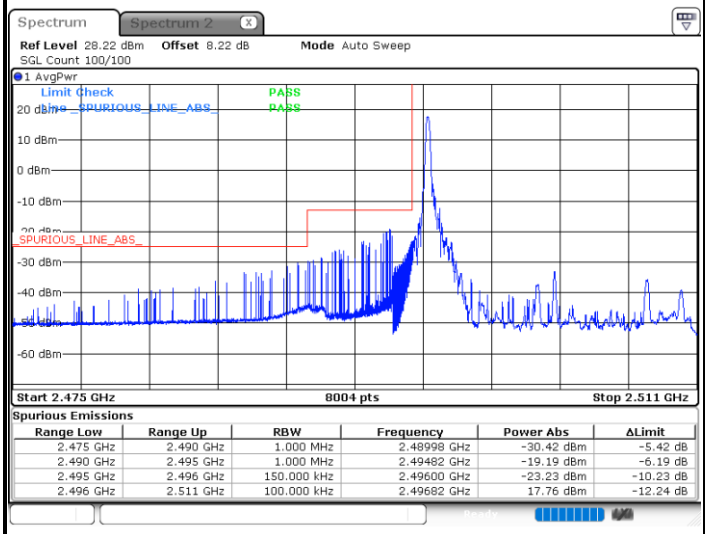
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68695 GHz	0.88 dBm	-29.12 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69026 GHz	-30.80 dBm	-20.80 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69121 GHz	-25.88 dBm	-15.88 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69600 GHz	-27.05 dBm	-14.05 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70610 GHz	-35.78 dBm	-10.78 dB

Date: 24.APR.2024 21:43:45

LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

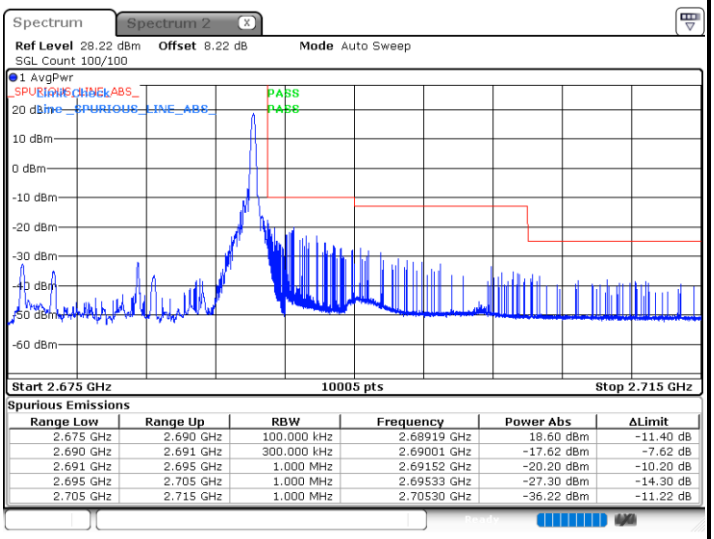


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48998 GHz	-30.42 dBm	-5.42 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49482 GHz	-19.19 dBm	-6.19 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49600 GHz	-23.23 dBm	-10.23 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49682 GHz	17.76 dBm	-12.24 dB

Date: 24.APR.2024 21:34:27

Highest Band Edge / 1 RB

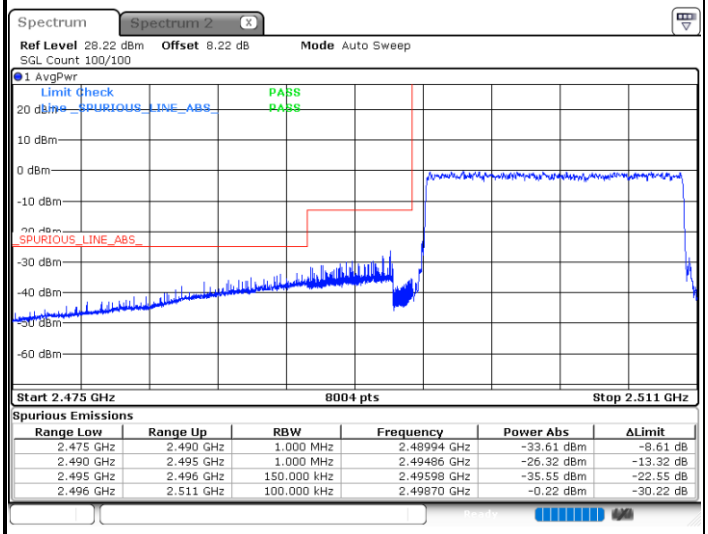


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68919 GHz	18.60 dBm	-11.40 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69001 GHz	-17.62 dBm	-7.62 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69152 GHz	-20.20 dBm	-10.20 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69533 GHz	-27.30 dBm	-14.30 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70530 GHz	-36.22 dBm	-11.22 dB

Date: 24.APR.2024 21:42:25

Lowest Band Edge / Full RB

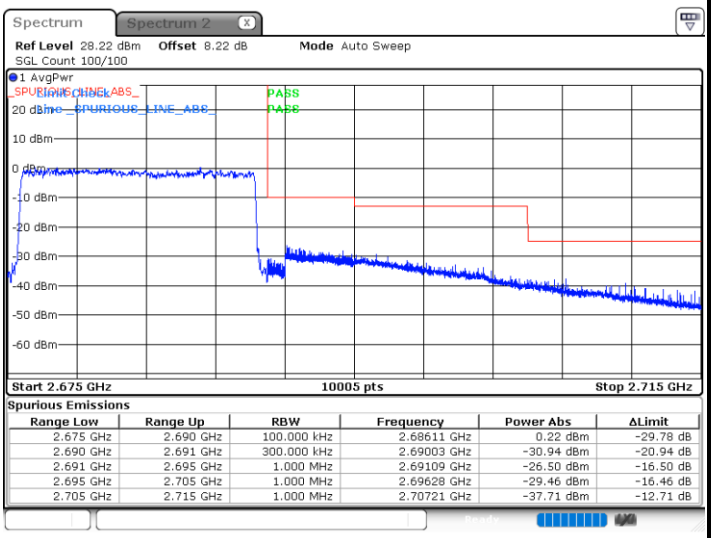


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48994 GHz	-33.61 dBm	-8.61 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49486 GHz	-26.32 dBm	-13.32 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49598 GHz	-35.55 dBm	-22.55 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49870 GHz	-0.22 dBm	-30.22 dB

Date: 24.APR.2024 21:35:07

Highest Band Edge / Full RB



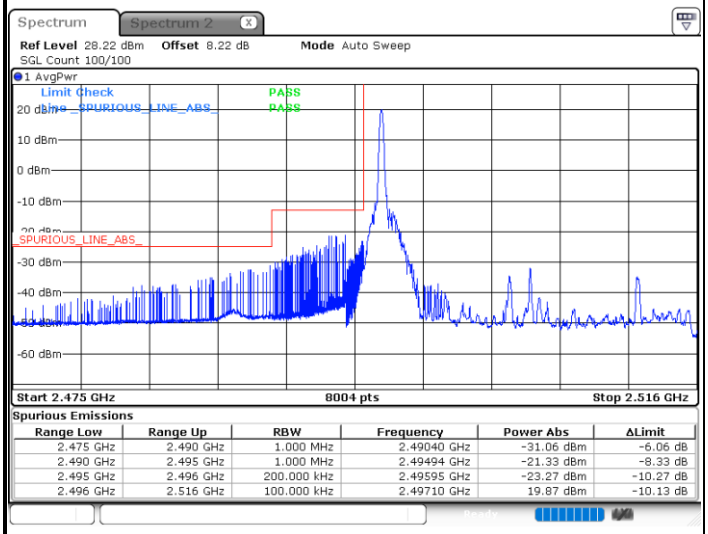
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68611 GHz	0.22 dBm	-29.78 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69003 GHz	-30.94 dBm	-20.94 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-26.50 dBm	-16.50 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69628 GHz	-29.46 dBm	-16.46 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70721 GHz	-37.71 dBm	-12.71 dB

Date: 24.APR.2024 21:43:05

LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

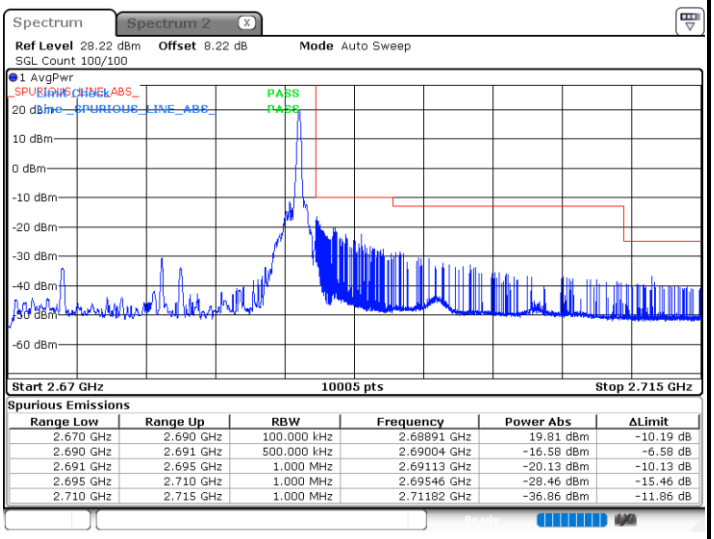


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49040 GHz	-31.06 dBm	-6.06 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49494 GHz	-21.33 dBm	-8.33 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49595 GHz	-23.27 dBm	-10.27 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49710 GHz	19.87 dBm	-10.13 dB

Date: 24.APR.2024 21:47:05

Highest Band Edge / 1 RB

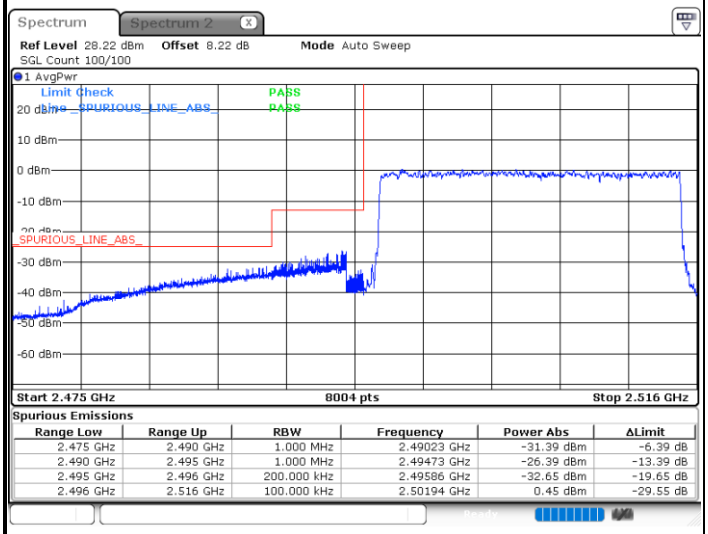


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68891 GHz	19.81 dBm	-10.19 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69004 GHz	-16.58 dBm	-6.58 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69113 GHz	-20.13 dBm	-10.13 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69546 GHz	-28.46 dBm	-15.46 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71182 GHz	-36.86 dBm	-11.86 dB

Date: 24.APR.2024 21:55:03

Lowest Band Edge / Full RB

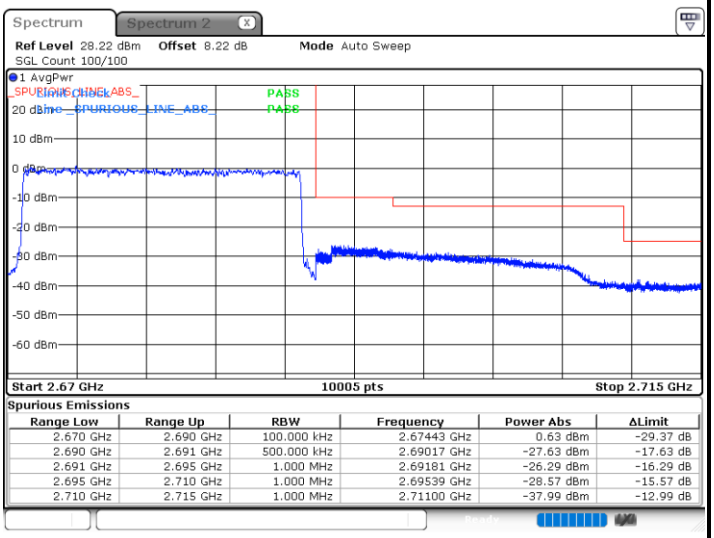


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49023 GHz	-31.39 dBm	-6.39 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49473 GHz	-26.39 dBm	-13.39 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49586 GHz	-32.65 dBm	-19.65 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50194 GHz	0.45 dBm	-29.55 dB

Date: 24.APR.2024 21:50:25

Highest Band Edge / Full RB



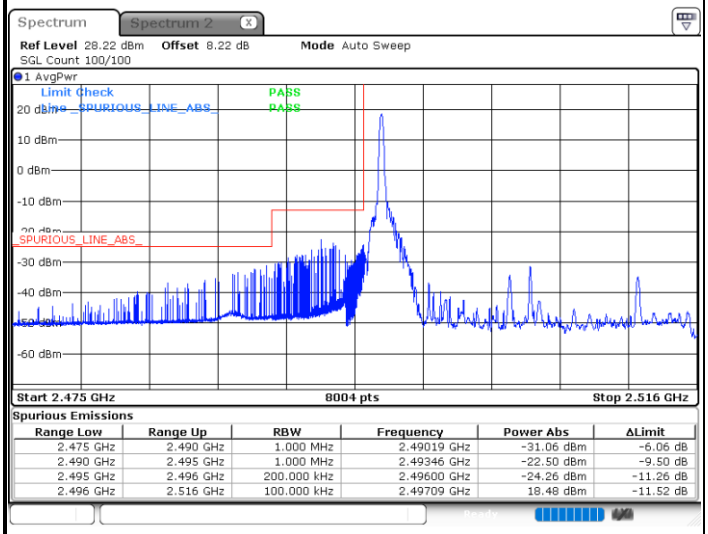
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67443 GHz	0.63 dBm	-29.37 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69017 GHz	-27.63 dBm	-17.63 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69181 GHz	-26.29 dBm	-16.29 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69539 GHz	-28.57 dBm	-15.57 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71100 GHz	-37.99 dBm	-12.99 dB

Date: 24.APR.2024 21:58:22

LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

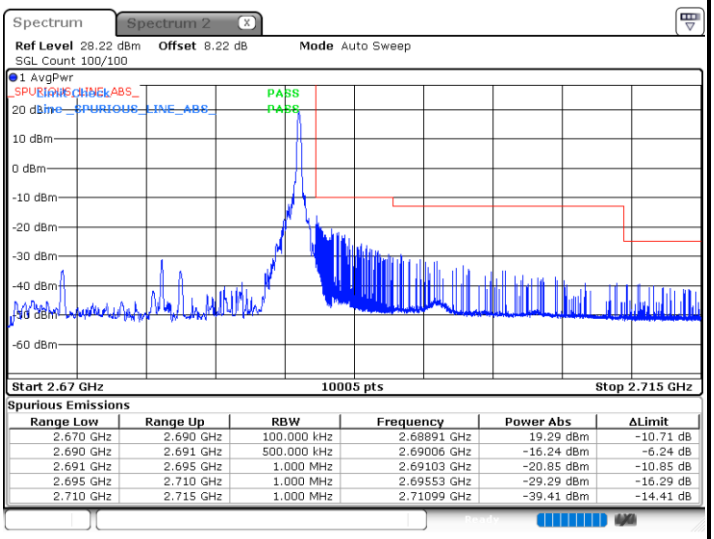


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49019 GHz	-31.06 dBm	-6.06 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49346 GHz	-22.50 dBm	-9.50 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49600 GHz	-24.26 dBm	-11.26 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49709 GHz	18.48 dBm	-11.52 dB

Date: 24.APR.2024 21:47:45

Highest Band Edge / 1 RB

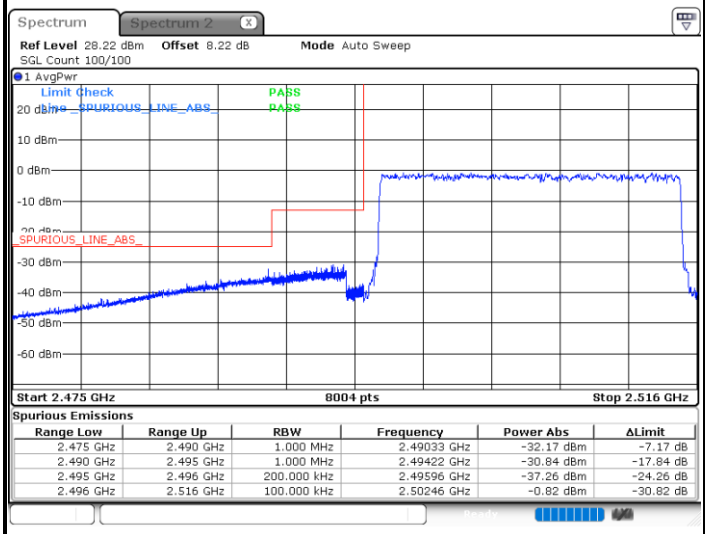


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68891 GHz	19.29 dBm	-10.71 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69006 GHz	-16.24 dBm	-6.24 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69103 GHz	-20.85 dBm	-10.85 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69553 GHz	-29.29 dBm	-16.29 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71099 GHz	-39.41 dBm	-14.41 dB

Date: 24.APR.2024 21:55:43

Lowest Band Edge / Full RB

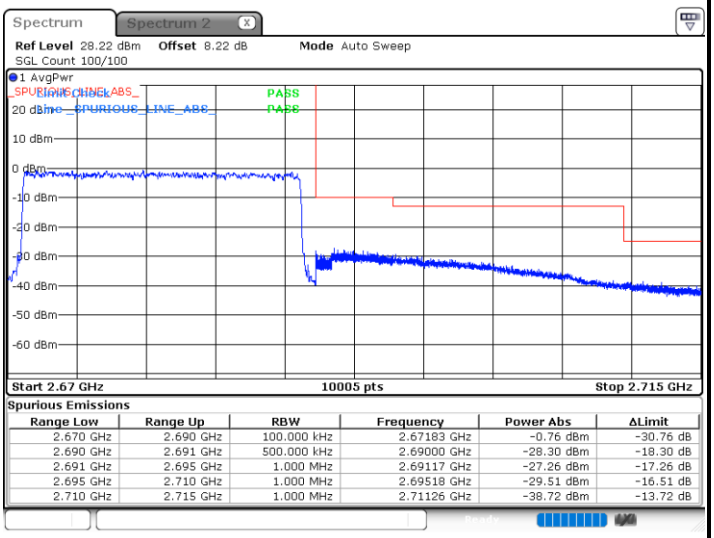


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49033 GHz	-32.17 dBm	-7.17 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49422 GHz	-30.84 dBm	-17.84 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49596 GHz	-37.26 dBm	-24.26 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.50246 GHz	-0.82 dBm	-30.82 dB

Date: 24.APR.2024 21:49:45

Highest Band Edge / Full RB



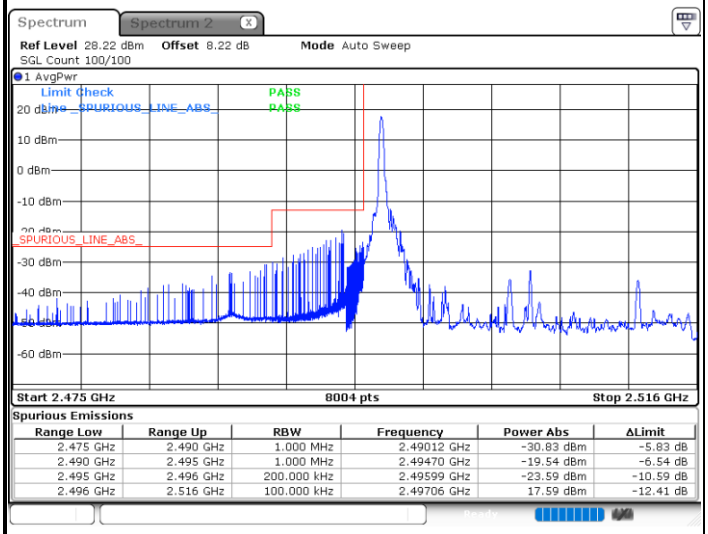
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67183 GHz	-0.76 dBm	-30.76 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69000 GHz	-28.30 dBm	-18.30 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69117 GHz	-27.26 dBm	-17.26 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69518 GHz	-29.51 dBm	-16.51 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71126 GHz	-38.72 dBm	-13.72 dB

Date: 24.APR.2024 21:57:42

LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

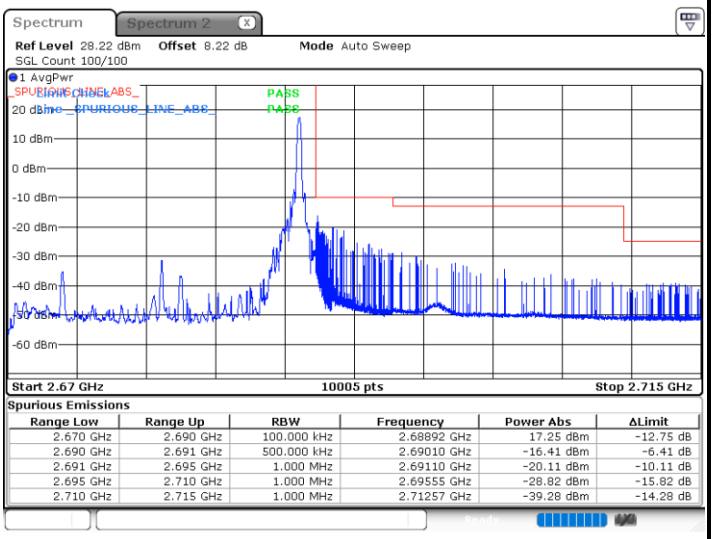


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49012 GHz	-30.83 dBm	-5.83 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49470 GHz	-19.54 dBm	-6.54 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49599 GHz	-23.59 dBm	-10.59 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49706 GHz	17.59 dBm	-12.41 dB

Date: 24.APR.2024 21:48:25

Highest Band Edge / 1 RB

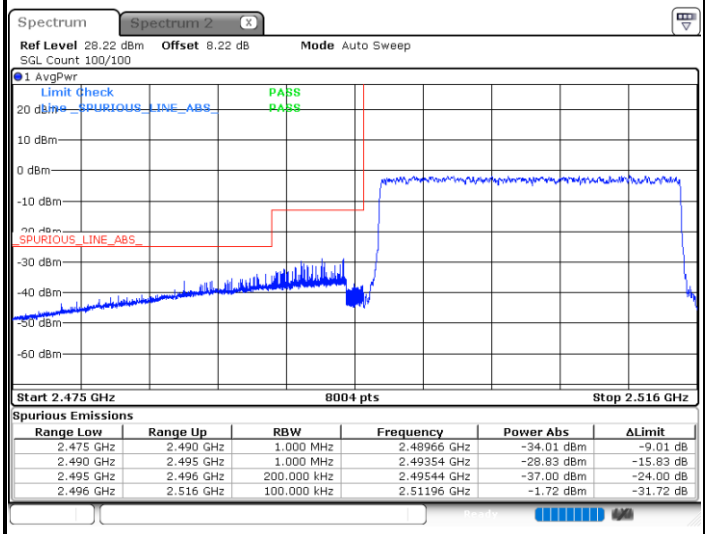


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68892 GHz	17.25 dBm	-12.75 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69010 GHz	-16.41 dBm	-6.41 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69110 GHz	-20.11 dBm	-10.11 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69555 GHz	-28.82 dBm	-15.82 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71257 GHz	-39.28 dBm	-14.28 dB

Date: 24.APR.2024 21:56:23

Lowest Band Edge / Full RB

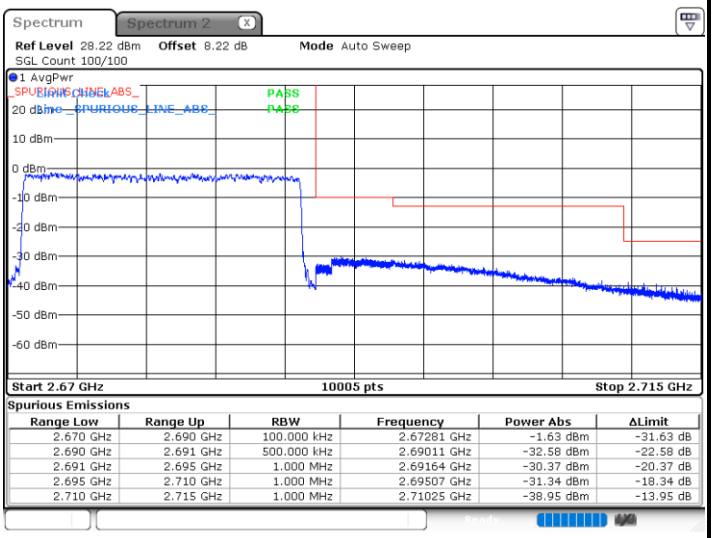


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48966 GHz	-34.01 dBm	-9.01 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49354 GHz	-28.83 dBm	-15.83 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49544 GHz	-37.00 dBm	-24.00 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.51196 GHz	-1.72 dBm	-31.72 dB

Date: 24.APR.2024 21:49:05

Highest Band Edge / Full RB



Spurious Emissions

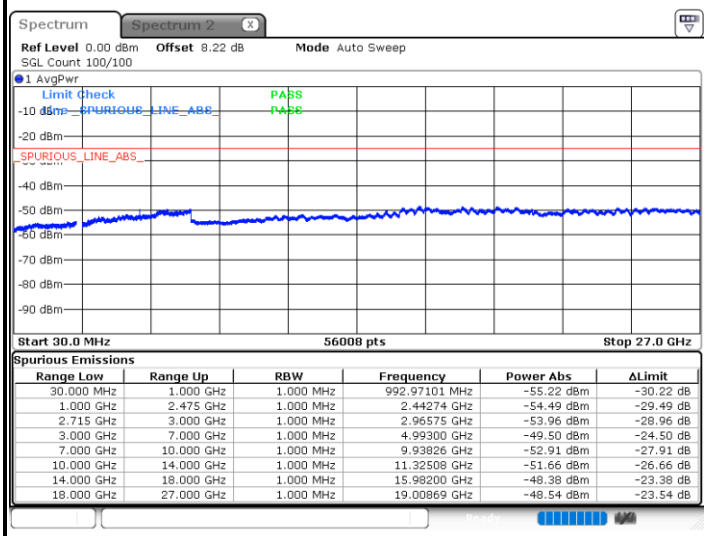
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67281 GHz	-1.63 dBm	-31.63 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69011 GHz	-32.58 dBm	-22.58 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69164 GHz	-30.37 dBm	-20.37 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69507 GHz	-31.34 dBm	-18.34 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71025 GHz	-38.95 dBm	-13.95 dB

Date: 24.APR.2024 21:57:02

Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

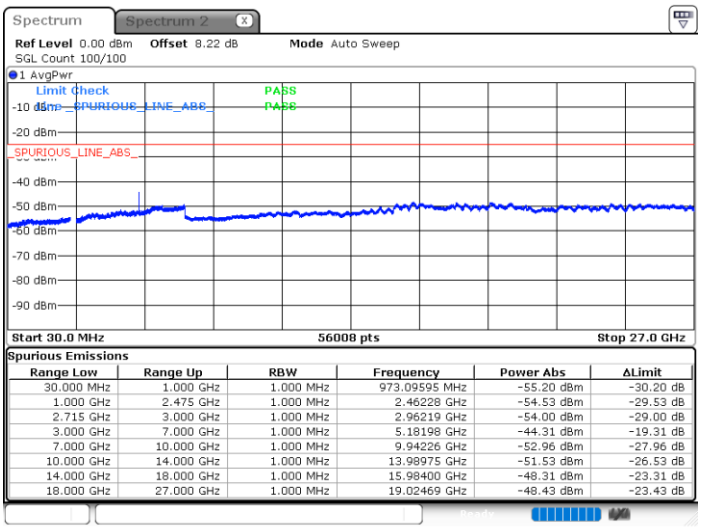


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97101 MHz	-55.22 dBm	-30.22 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.44274 GHz	-54.49 dBm	-29.49 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96575 GHz	-53.96 dBm	-28.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99300 GHz	-49.50 dBm	-24.50 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.93826 GHz	-52.91 dBm	-27.91 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.32508 GHz	-51.66 dBm	-26.66 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.98200 GHz	-48.38 dBm	-23.38 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.00869 GHz	-48.54 dBm	-23.54 dB

Date: 24.APR.2024 21:04:30

Middle Channel / QPSK

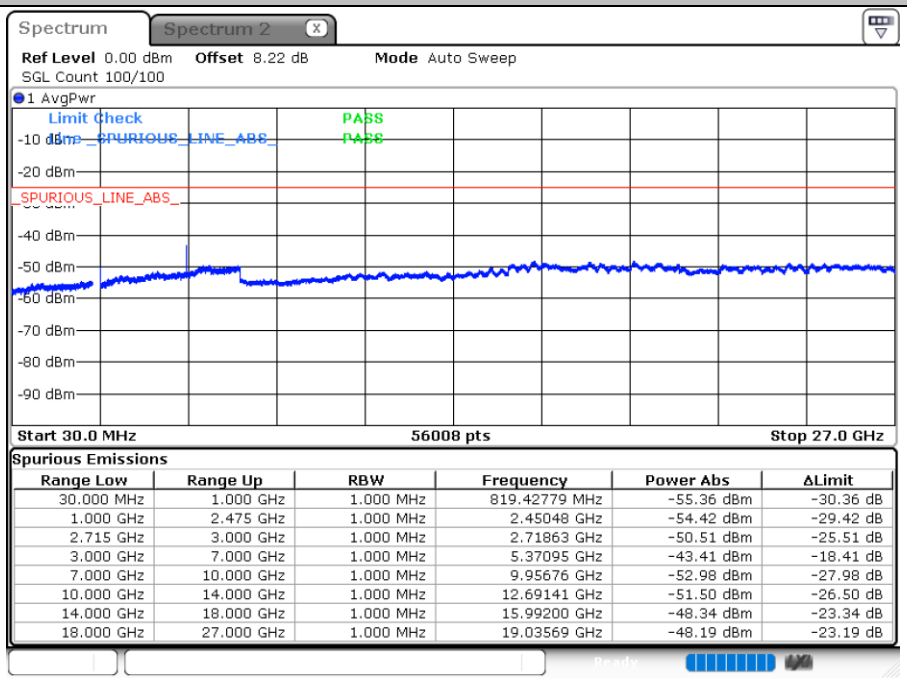


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-55.20 dBm	-30.20 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46228 GHz	-54.53 dBm	-29.53 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.96219 GHz	-54.00 dBm	-29.00 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.18198 GHz	-44.31 dBm	-19.31 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.94226 GHz	-52.96 dBm	-27.96 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98975 GHz	-51.53 dBm	-26.53 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.98400 GHz	-48.31 dBm	-23.31 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.02469 GHz	-48.43 dBm	-23.43 dB

Date: 24.APR.2024 21:10:30

Highest Channel / QPSK



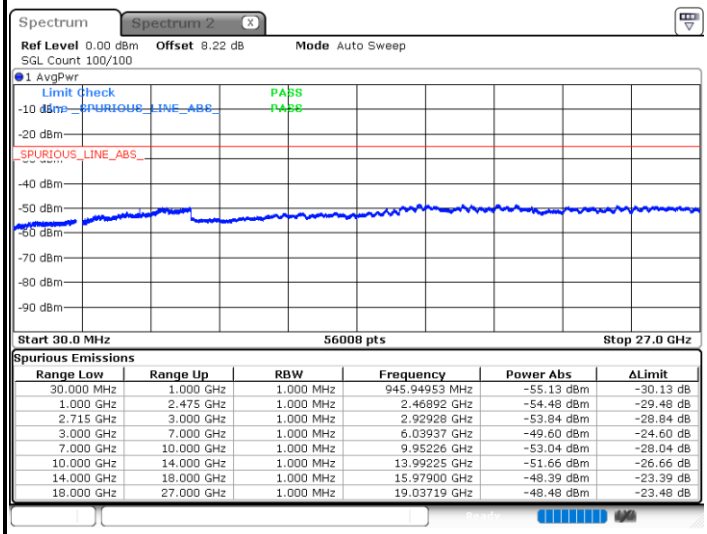
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	819.42779 MHz	-55.36 dBm	-30.36 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45048 GHz	-54.42 dBm	-29.42 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71863 GHz	-50.51 dBm	-25.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.37095 GHz	-43.41 dBm	-18.41 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95676 GHz	-52.98 dBm	-27.98 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.69141 GHz	-51.50 dBm	-26.50 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.99200 GHz	-48.34 dBm	-23.34 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03569 GHz	-48.19 dBm	-23.19 dB

Date: 24.APR.2024 21:12:29

LTE Band 41 / 10MHz

Lowest Channel / QPSK

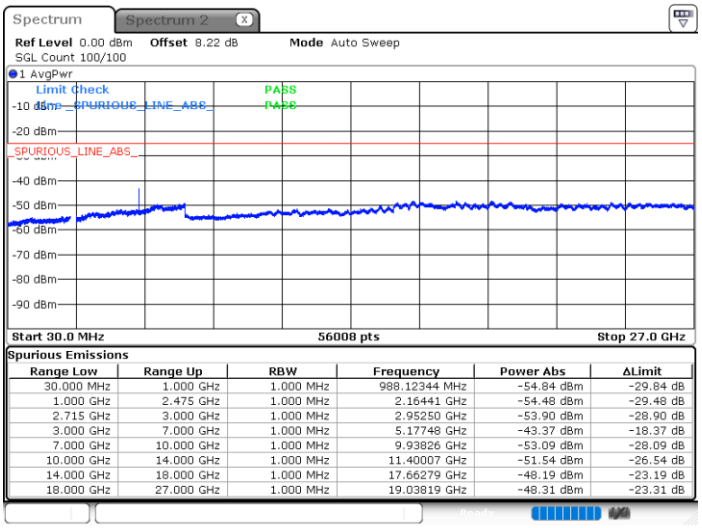


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	945.94953 MHz	-55.13 dBm	-30.13 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46892 GHz	-54.48 dBm	-29.48 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.92928 GHz	-53.84 dBm	-28.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.03937 GHz	-49.60 dBm	-24.60 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95226 GHz	-53.04 dBm	-28.04 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99225 GHz	-51.66 dBm	-26.66 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.97900 GHz	-48.39 dBm	-23.39 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03719 GHz	-48.48 dBm	-23.48 dB

Date: 24.APR.2024 21:18:29

Middle Channel / QPSK

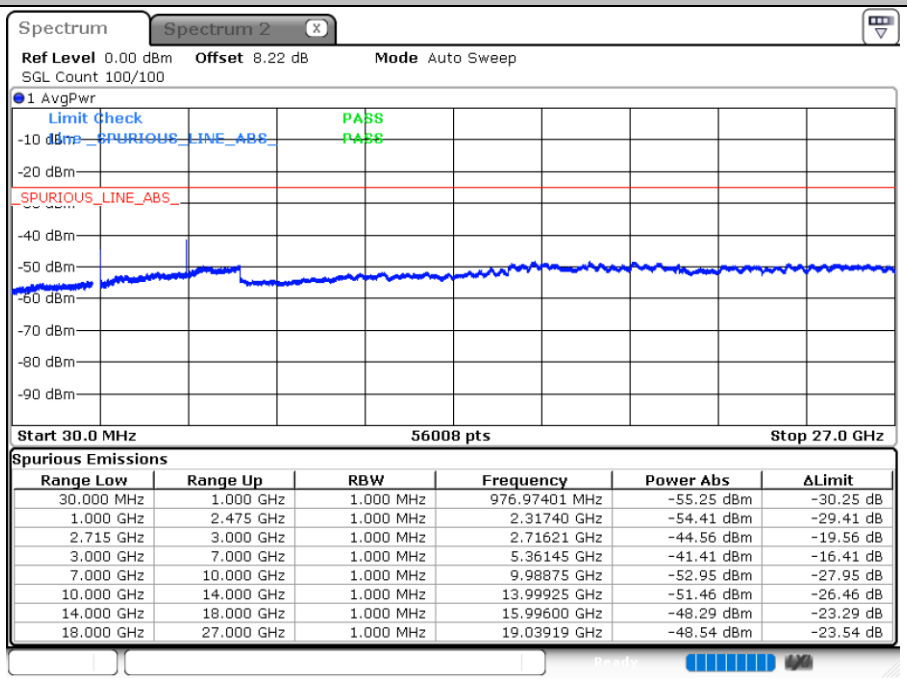


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.12344 MHz	-54.84 dBm	-29.84 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.16441 GHz	-54.48 dBm	-29.48 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.95250 GHz	-53.90 dBm	-28.90 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17748 GHz	-43.37 dBm	-18.37 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.93826 GHz	-53.09 dBm	-28.09 dB
10.000 GHz	14.000 GHz	1.000 MHz	11.40007 GHz	-51.54 dBm	-26.54 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.66279 GHz	-48.19 dBm	-23.19 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03819 GHz	-48.31 dBm	-23.31 dB

Date: 24.APR.2024 21:24:28

Highest Channel / QPSK



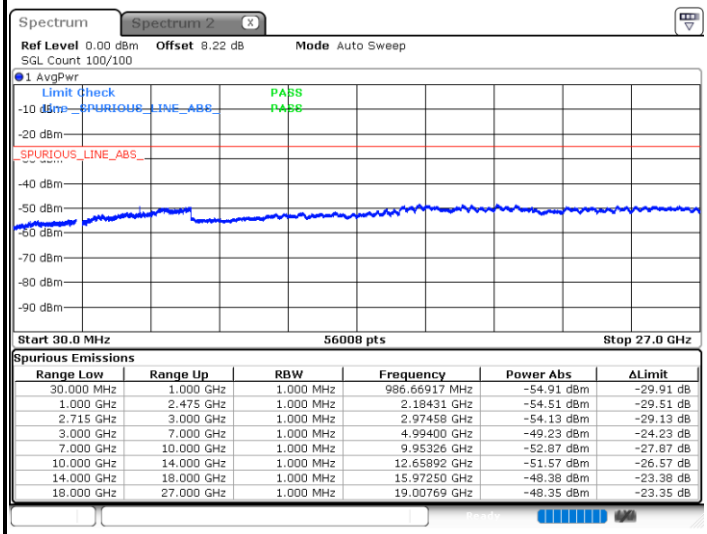
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.97401 MHz	-55.25 dBm	-30.25 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.31740 GHz	-54.41 dBm	-29.41 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.71621 GHz	-44.56 dBm	-19.56 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.36145 GHz	-41.41 dBm	-16.41 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98875 GHz	-52.95 dBm	-27.95 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99925 GHz	-51.46 dBm	-26.46 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.99600 GHz	-48.29 dBm	-23.29 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03919 GHz	-48.54 dBm	-23.54 dB

Date: 24.APR.2024 21:26:27

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	986.66917 MHz	-54.91 dBm	-29.91 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.18431 GHz	-54.51 dBm	-29.51 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97458 GHz	-54.13 dBm	-29.13 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.99400 GHz	-49.23 dBm	-24.23 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95326 GHz	-52.87 dBm	-27.87 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.65892 GHz	-51.57 dBm	-26.57 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.97250 GHz	-48.38 dBm	-23.38 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.00769 GHz	-48.35 dBm	-23.35 dB

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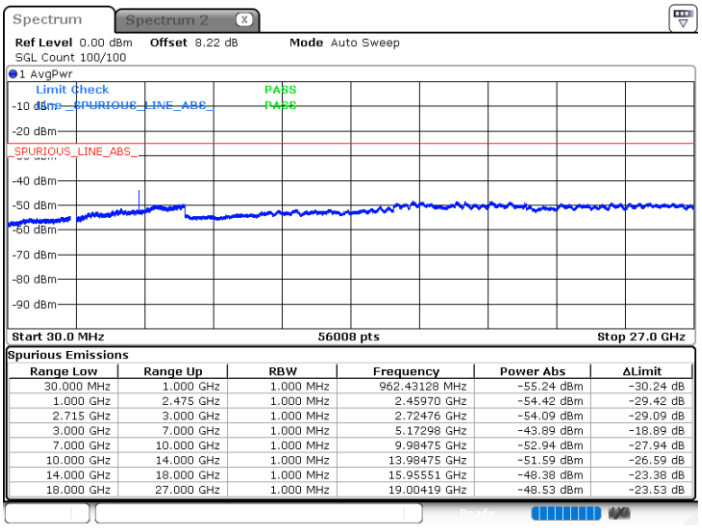
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.43128 MHz	-55.24 dBm	-30.24 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45970 GHz	-54.42 dBm	-29.42 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.72476 GHz	-54.09 dBm	-29.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.17298 GHz	-43.89 dBm	-18.89 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98475 GHz	-52.94 dBm	-27.94 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.98475 GHz	-51.59 dBm	-26.59 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.95551 GHz	-48.38 dBm	-23.38 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.00419 GHz	-48.53 dBm	-23.53 dB

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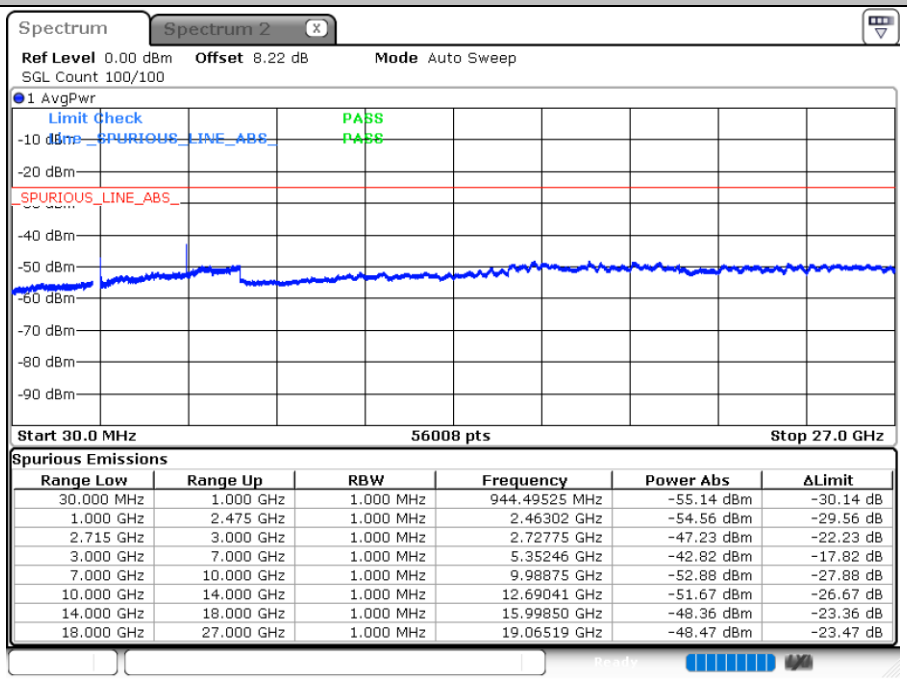
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-55.14 dBm	-30.14 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46302 GHz	-54.56 dBm	-29.56 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.72775 GHz	-47.23 dBm	-22.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.35246 GHz	-42.82 dBm	-17.82 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98875 GHz	-52.88 dBm	-27.88 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.69041 GHz	-51.67 dBm	-26.67 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.99850 GHz	-48.36 dBm	-23.36 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.06519 GHz	-48.47 dBm	-23.47 dB

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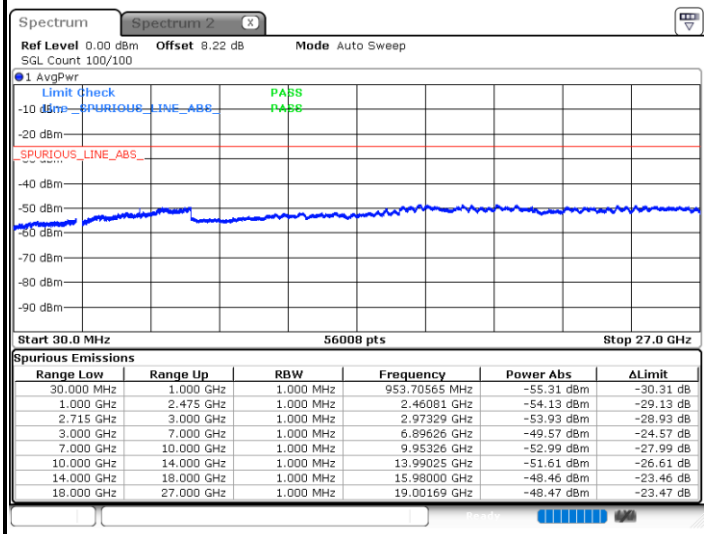
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	953.70565 MHz	-55.31 dBm	-30.31 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46081 GHz	-54.13 dBm	-29.13 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97329 GHz	-53.93 dBm	-28.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89626 GHz	-49.57 dBm	-24.57 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.95326 GHz	-52.99 dBm	-27.99 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.99025 GHz	-51.61 dBm	-26.61 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.98000 GHz	-48.46 dBm	-23.46 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.00169 GHz	-48.47 dBm	-23.47 dB

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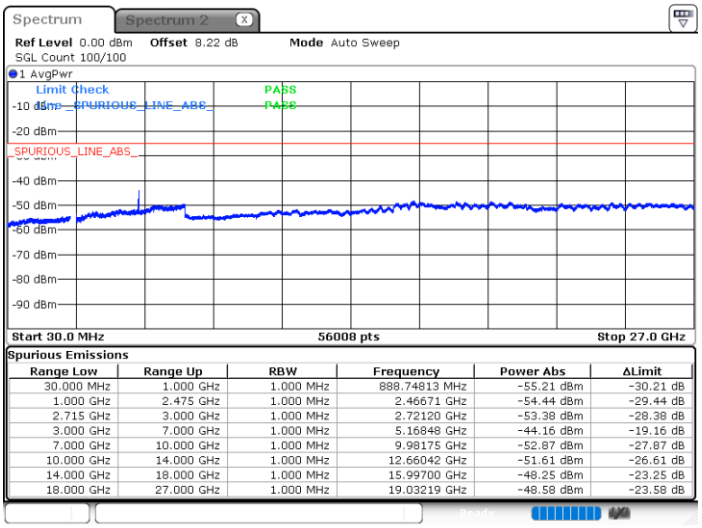
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.74813 MHz	-55.21 dBm	-30.21 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46671 GHz	-54.44 dBm	-29.44 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.72120 GHz	-53.38 dBm	-28.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.16848 GHz	-44.16 dBm	-19.16 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98175 GHz	-52.87 dBm	-27.87 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.66042 GHz	-51.61 dBm	-26.61 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.99700 GHz	-48.25 dBm	-23.25 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.03219 GHz	-48.58 dBm	-23.58 dB

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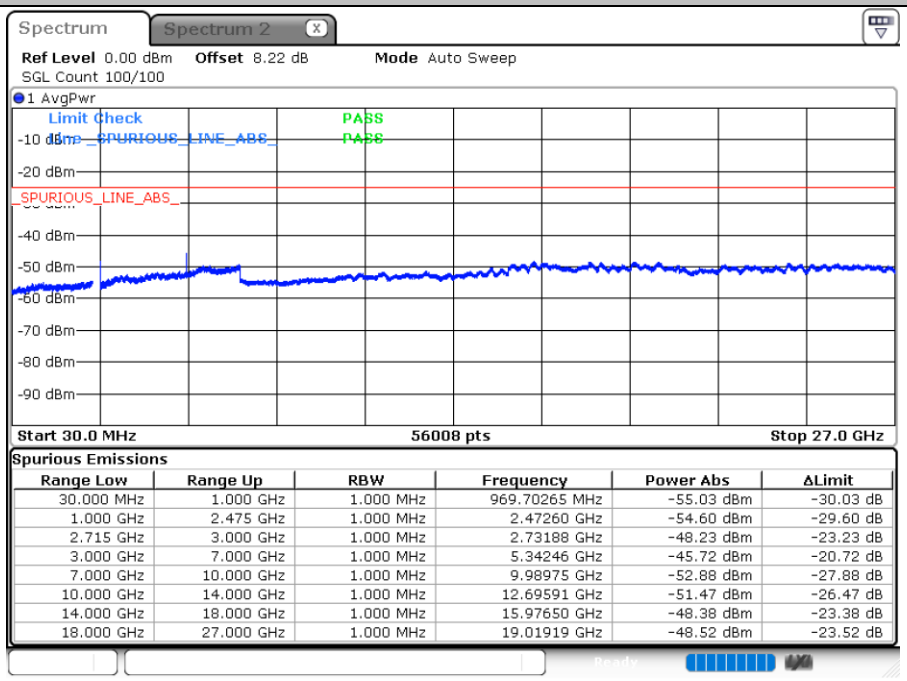
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.70265 MHz	-55.03 dBm	-30.03 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47260 GHz	-54.60 dBm	-29.60 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.73188 GHz	-48.23 dBm	-23.23 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.34246 GHz	-45.72 dBm	-20.72 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.98975 GHz	-52.88 dBm	-27.88 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.69591 GHz	-51.47 dBm	-26.47 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.97650 GHz	-48.38 dBm	-23.38 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.01919 GHz	-48.52 dBm	-23.52 dB

Date: 24.APR.2024 21:54:23

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	0.0019	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0057	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0061	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0022	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Reid Huang	Temperature :	22~25℃
		Relative Humidity :	48~52%

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-55.49	-13	-42.49	-70.12	-62.24	5.85	12.60	H
	5613.27	-59.96	-13	-46.96	-77.68	-65.76	7.30	13.10	H
	7484.36	-56.19	-13	-43.19	-78.60	-59.34	8.35	11.50	H
	3742.18	-54.94	-13	-41.94	-69.78	-61.69	5.85	12.60	V
	5613.27	-60.69	-13	-47.69	-78.32	-66.49	7.30	13.10	V
	7484.36	-55.44	-13	-42.44	-77.78	-58.59	8.35	11.50	V

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

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447.18	-63.70	-13	-50.70	-76.24	-70.54	5.68	12.52	H
	5170.77	-61.69	-13	-48.69	-79.22	-67.36	7.15	12.82	H
	6894.36	-58.16	-13	-45.16	-78.84	-61.59	8.42	11.85	H
	3447.18	-62.68	-13	-49.68	-75.77	-69.52	5.68	12.52	V
	5170.77	-62.13	-13	-49.13	-79.61	-67.80	7.15	12.82	V
	6894.36	-58.31	-13	-45.31	-78.9	-61.74	8.42	11.85	V

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

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-62.68	-13	-49.68	-70.76	-65.93	4.00	9.40	H
	2109	-65.35	-13	-52.35	-75.11	-68.92	4.88	10.60	H
	2812	-63.14	-13	-50.14	-75.16	-68.07	5.52	12.60	H
	1406	-62.28	-13	-49.28	-70.44	-65.53	4.00	9.40	V
	2109	-64.12	-13	-51.12	-74.25	-67.69	4.88	10.60	V
	2812	-63.43	-13	-50.43	-75.69	-68.36	5.52	12.60	V

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

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168.00	-60.16	-25	-35.16	-77.68	-65.72	7.14	12.70	H
	7752.00	-54.77	-25	-29.77	-77.43	-58.07	8.30	11.60	H
	10336.00	-51.02	-25	-26.02	-78.03	-52.54	10.48	12.00	H
	5168.00	-59.13	-25	-34.13	-76.6	-64.69	7.14	12.70	V
	7752.00	-53.86	-25	-28.86	-76.49	-57.16	8.30	11.60	V
	10336.00	-51.23	-25	-26.23	-78.01	-52.75	10.48	12.00	V

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