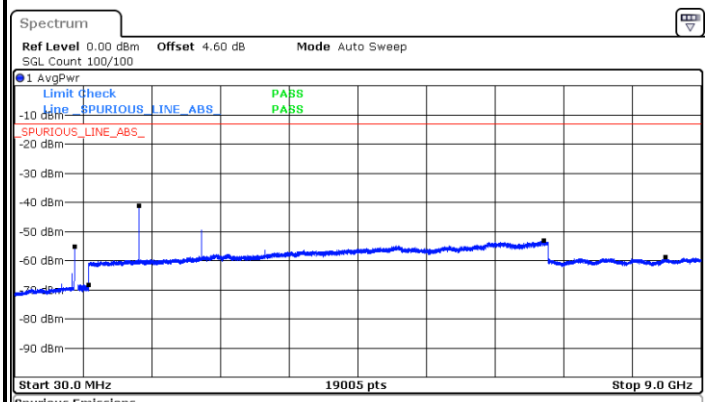
LTE Band 26 / 15MHz

Lowest Channel / QPSK

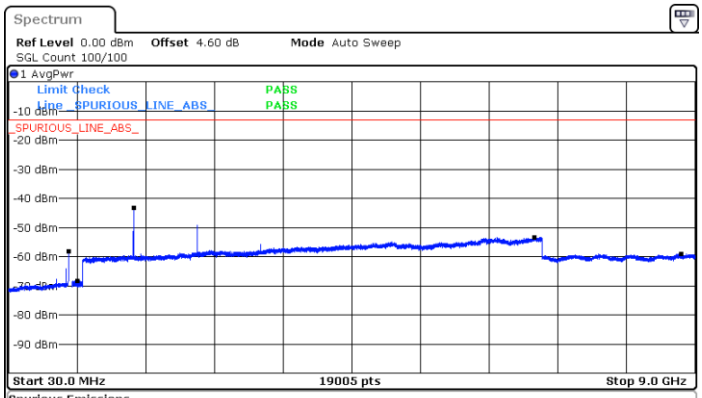


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.01924 MHz	-55.07 dBm	-42.07 dB
860.000 MHz	1.000 GHz	100.000 kHz	997.41259 MHz	-68.31 dBm	-55.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.65009 GHz	-41.11 dBm	-28.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94026 GHz	-53.25 dBm	-40.25 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.53487 GHz	-58.82 dBm	-45.82 dB

Date: 19.AUG.2022 03:29:02

Middle Channel / QPSK

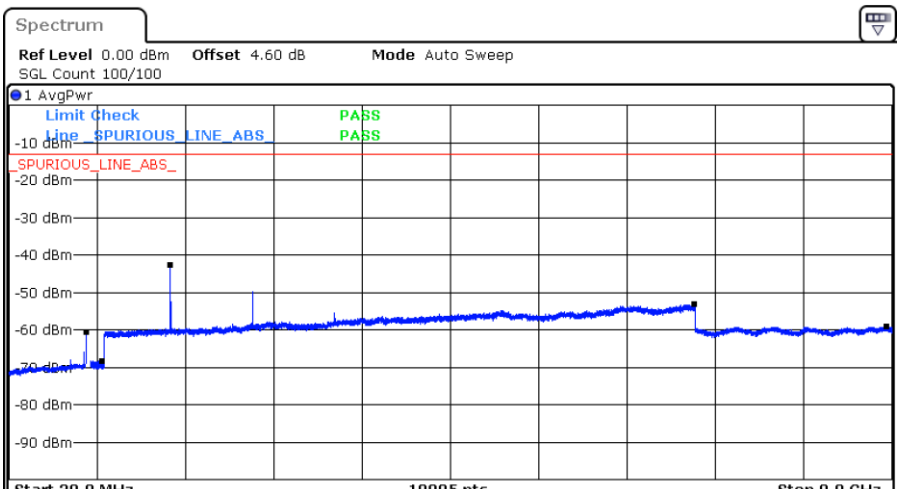


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-58.30 dBm	-45.30 dB
860.000 MHz	1.000 GHz	100.000 kHz	922.02797 MHz	-68.26 dBm	-55.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66008 GHz	-43.33 dBm	-30.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.90226 GHz	-53.34 dBm	-40.34 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.81330 GHz	-59.17 dBm	-46.17 dB

Date: 19.AUG.2022 03:27:42

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-60.53 dBm	-47.53 dB
860.000 MHz	1.000 GHz	100.000 kHz	972.09790 MHz	-68.40 dBm	-55.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67008 GHz	-42.74 dBm	-29.74 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99125 GHz	-53.22 dBm	-40.22 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.94226 GHz	-59.24 dBm	-46.24 dB

Date: 19.AUG.2022 03:26:22

Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0016	

Note: Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.

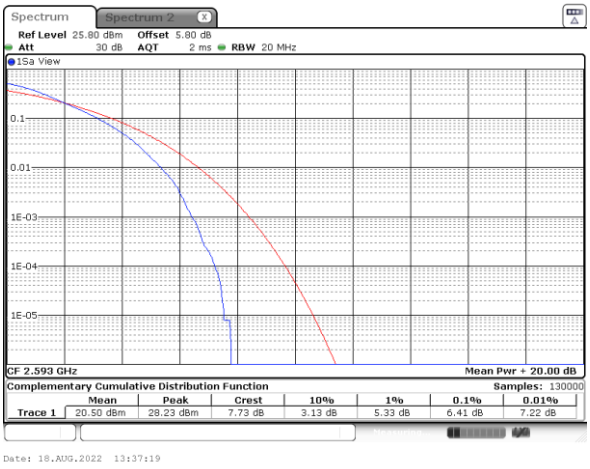
LTE Band 41

Peak-to-Average Ratio

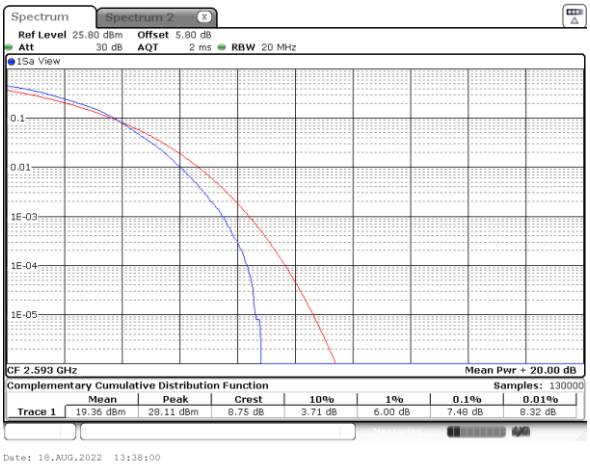
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	6.41	7.48	6.72	PASS

LTE Band 41 / 20MHz

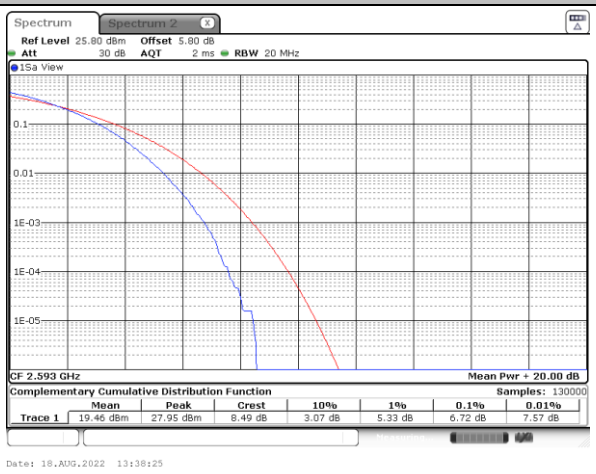
Middle Channel / Full RB / QPSK



Middle Channel / Full RB / 16QAM



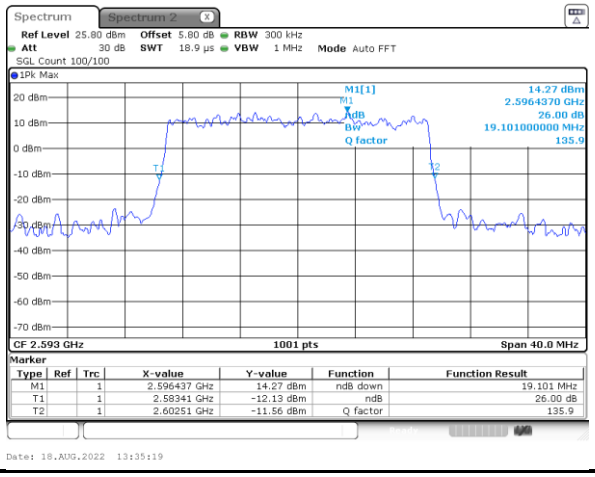
Middle Channel / Full RB / 64QAM

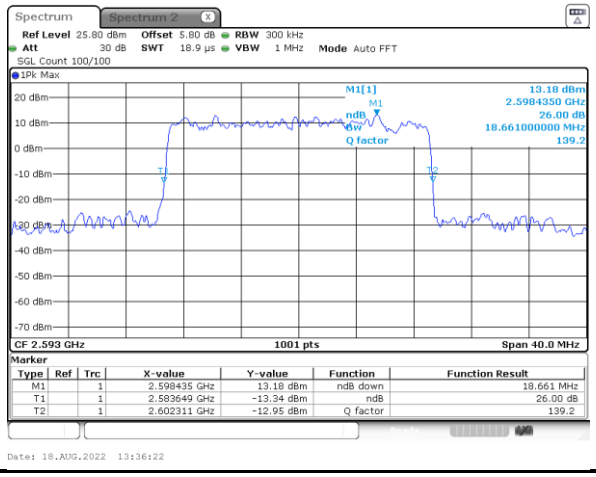


26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.10	18.66

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

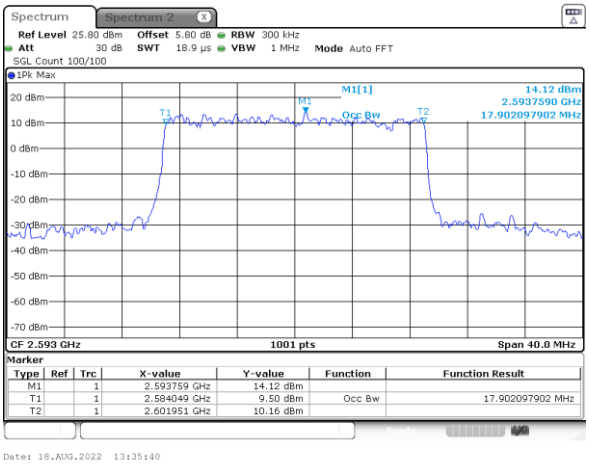


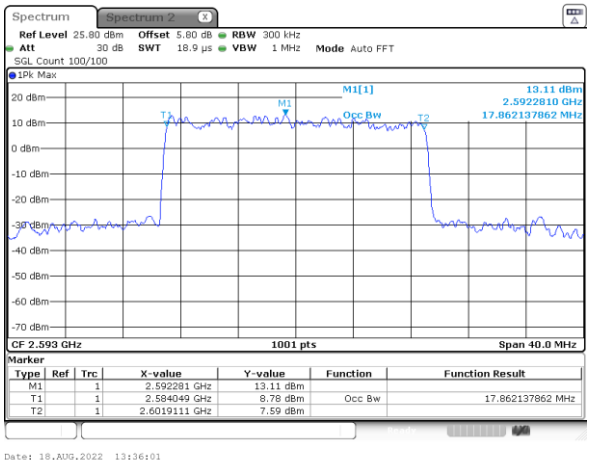


Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.86

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

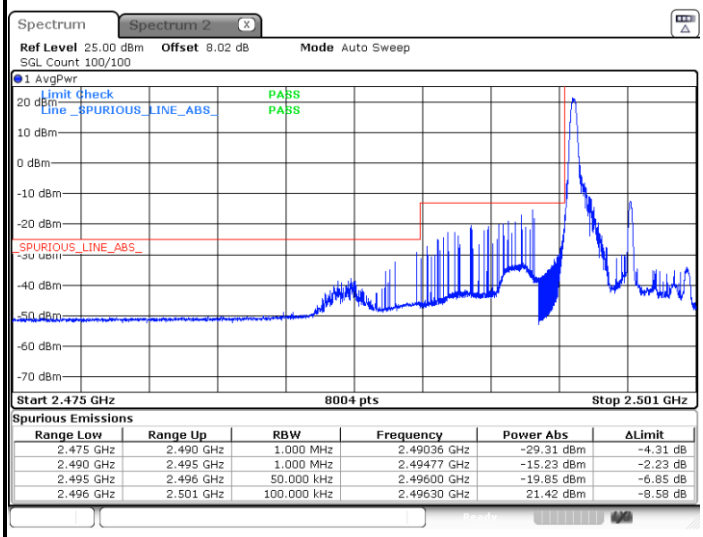




Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB

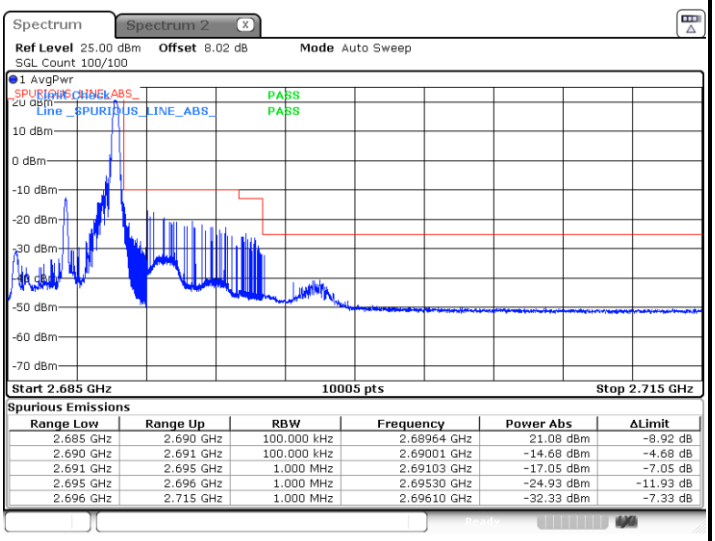


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49036 GHz	-29.31 dBm	-4.31 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49477 GHz	-15.23 dBm	-2.23 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-19.85 dBm	-6.85 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49630 GHz	21.42 dBm	-8.58 dB

Date: 18.AUG.2022 12:07:05

Highest Band Edge / 1 RB

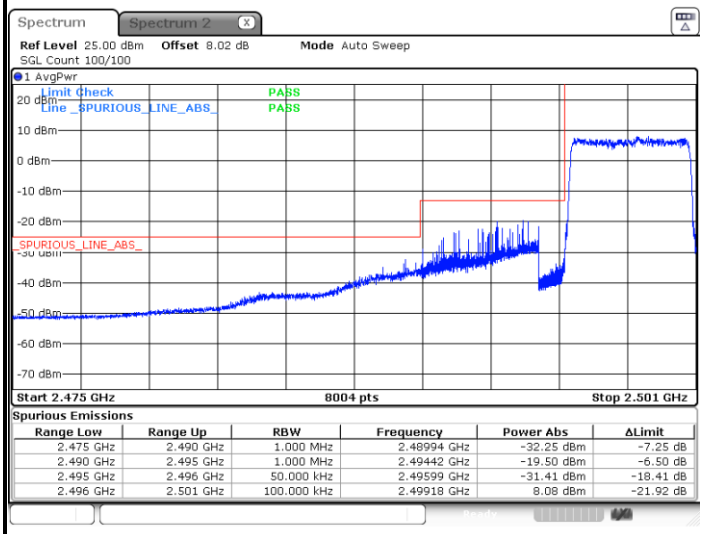


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68964 GHz	21.08 dBm	-8.92 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69001 GHz	-14.68 dBm	-4.68 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69103 GHz	-17.05 dBm	-7.05 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69530 GHz	-24.93 dBm	-11.93 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69610 GHz	-32.33 dBm	-7.33 dB

Date: 18.AUG.2022 12:15:34

Lowest Band Edge / Full RB

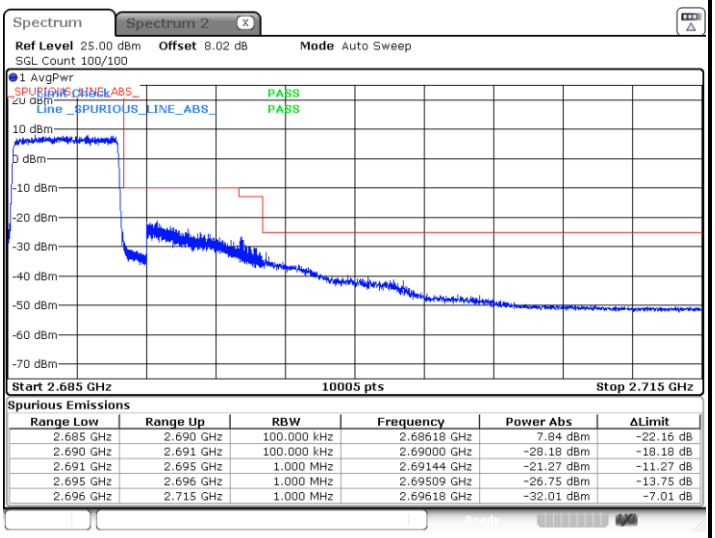


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48994 GHz	-32.25 dBm	-7.25 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49442 GHz	-19.50 dBm	-6.50 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-31.41 dBm	-18.41 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49918 GHz	8.08 dBm	-21.92 dB

Date: 18.AUG.2022 12:11:55

Highest Band Edge / Full RB



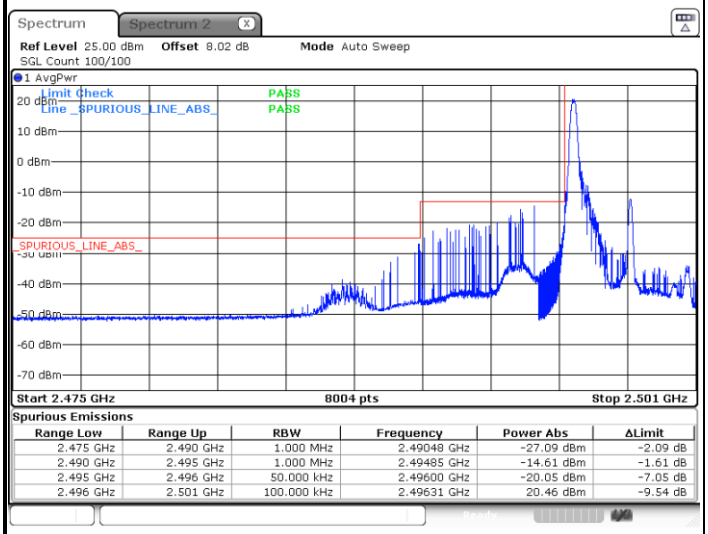
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68618 GHz	7.84 dBm	-22.16 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-28.18 dBm	-18.18 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69144 GHz	-21.27 dBm	-11.27 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69509 GHz	-26.75 dBm	-13.75 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69618 GHz	-32.01 dBm	-7.01 dB

Date: 18.AUG.2022 12:20:11

LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB

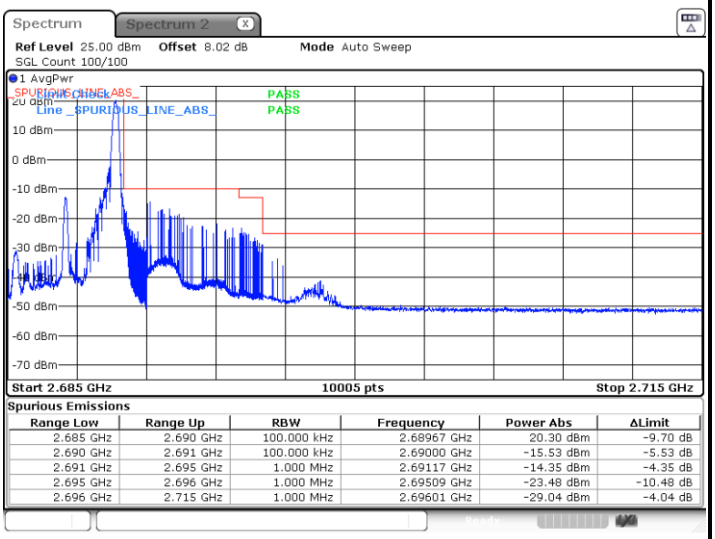


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-27.09 dBm	-2.09 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49485 GHz	-14.61 dBm	-1.61 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-20.05 dBm	-7.05 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49631 GHz	20.46 dBm	-9.54 dB

Date: 18.AUG.2022 12:08:03

Highest Band Edge / 1 RB

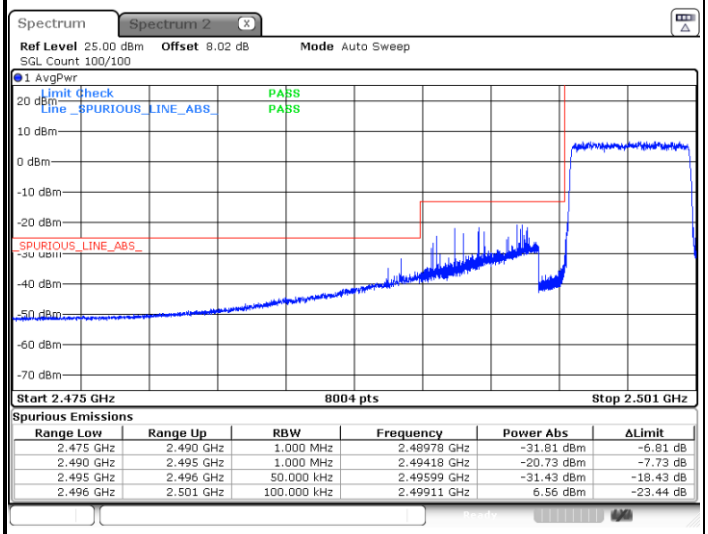


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68967 GHz	20.30 dBm	-9.70 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-15.53 dBm	-5.53 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69117 GHz	-14.35 dBm	-4.35 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69509 GHz	-23.48 dBm	-10.48 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69601 GHz	-29.04 dBm	-4.04 dB

Date: 18.AUG.2022 12:16:30

Lowest Band Edge / Full RB

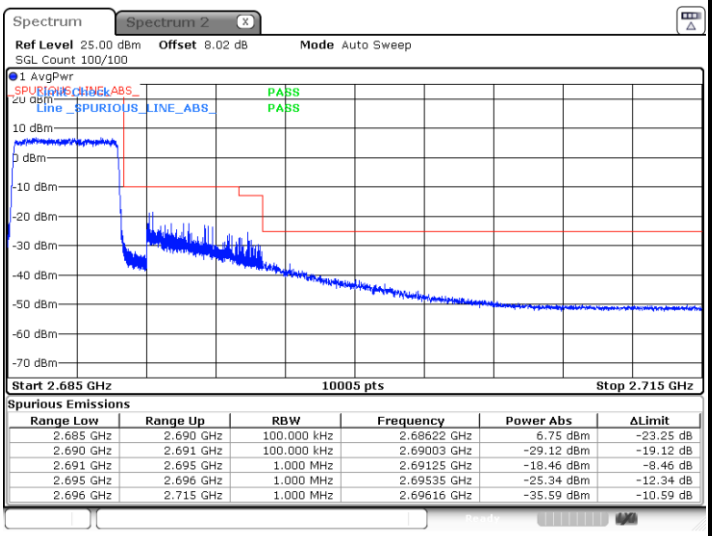


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48978 GHz	-31.81 dBm	-6.81 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49418 GHz	-20.73 dBm	-7.73 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49599 GHz	-31.43 dBm	-18.43 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49911 GHz	6.56 dBm	-23.44 dB

Date: 18.AUG.2022 12:10:57

Highest Band Edge / Full RB



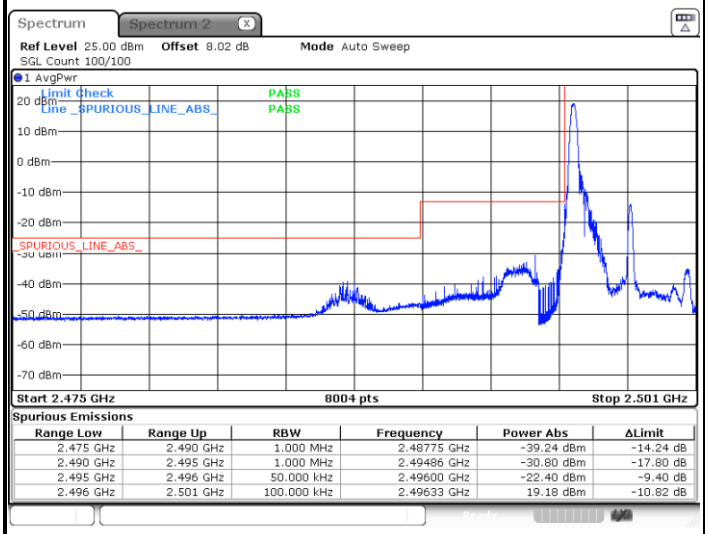
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68622 GHz	6.75 dBm	-23.25 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69003 GHz	-29.12 dBm	-19.12 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69125 GHz	-18.46 dBm	-8.46 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69535 GHz	-25.34 dBm	-12.34 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69616 GHz	-35.59 dBm	-10.59 dB

Date: 18.AUG.2022 12:19:15

LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB

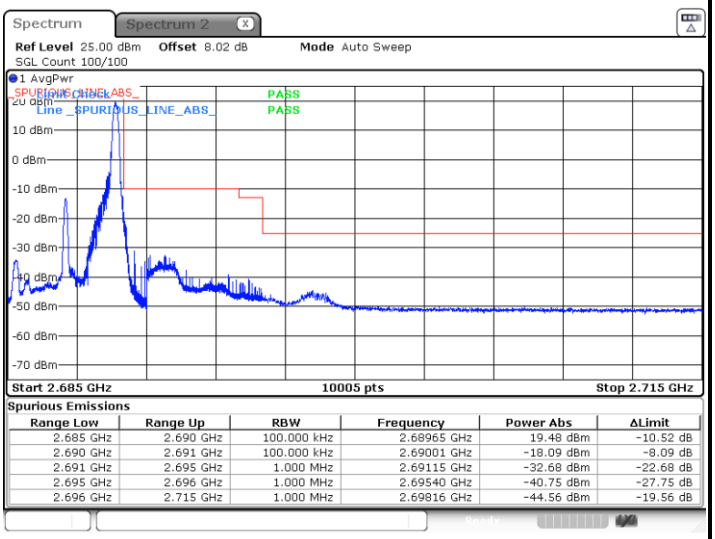


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48775 GHz	-39.24 dBm	-14.24 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49486 GHz	-30.80 dBm	-17.80 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-22.40 dBm	-9.40 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49633 GHz	19.18 dBm	-10.82 dB

Date: 18.AUG.2022 12:09:01

Highest Band Edge / 1 RB

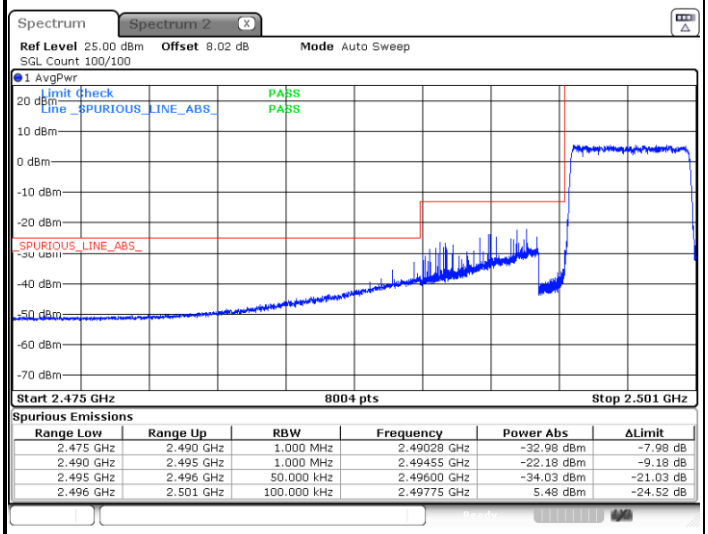


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68965 GHz	19.48 dBm	-10.52 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69001 GHz	-18.09 dBm	-8.09 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69115 GHz	-32.68 dBm	-22.68 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69540 GHz	-40.75 dBm	-27.75 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69816 GHz	-44.56 dBm	-19.56 dB

Date: 18.AUG.2022 12:17:25

Lowest Band Edge / Full RB

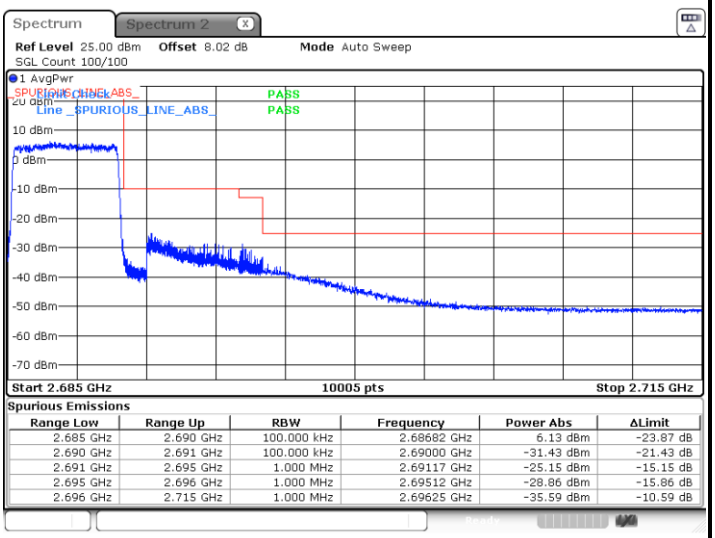


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49028 GHz	-32.98 dBm	-7.98 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49455 GHz	-22.18 dBm	-9.18 dB
2.495 GHz	2.496 GHz	50.000 kHz	2.49600 GHz	-34.03 dBm	-21.03 dB
2.496 GHz	2.501 GHz	100.000 kHz	2.49775 GHz	5.48 dBm	-24.52 dB

Date: 18.AUG.2022 12:09:59

Highest Band Edge / Full RB



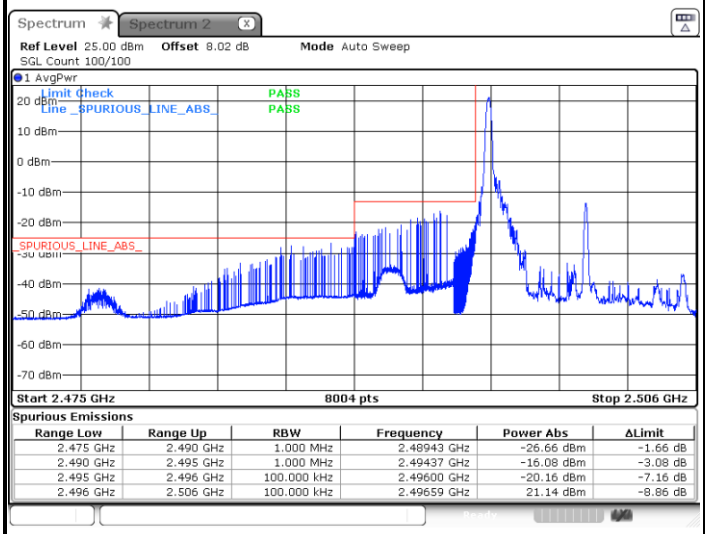
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.685 GHz	2.690 GHz	100.000 kHz	2.68682 GHz	6.13 dBm	-23.87 dB
2.690 GHz	2.691 GHz	100.000 kHz	2.69000 GHz	-31.43 dBm	-21.43 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69117 GHz	-25.15 dBm	-15.15 dB
2.695 GHz	2.696 GHz	1.000 MHz	2.69512 GHz	-28.86 dBm	-15.86 dB
2.696 GHz	2.715 GHz	1.000 MHz	2.69625 GHz	-35.59 dBm	-10.59 dB

Date: 18.AUG.2022 12:18:20

LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

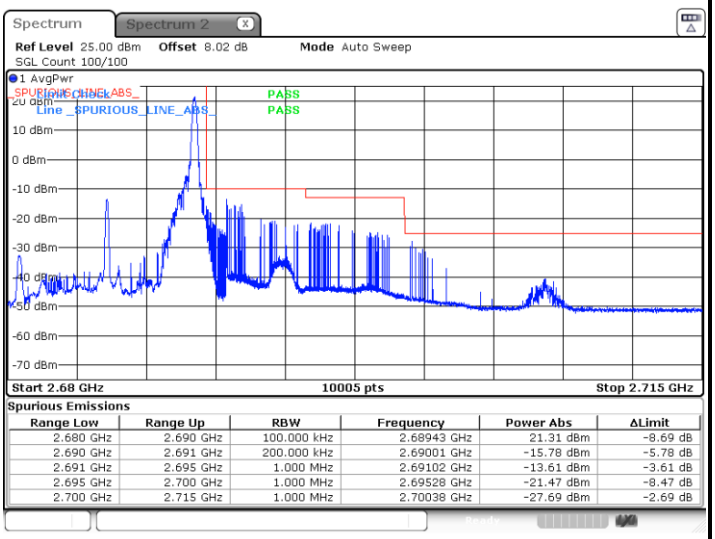


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48943 GHz	-26.66 dBm	-1.66 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49437 GHz	-16.08 dBm	-3.08 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-20.16 dBm	-7.16 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49659 GHz	21.14 dBm	-8.86 dB

Date: 18.AUG.2022 13:23:31

Highest Band Edge / 1 RB

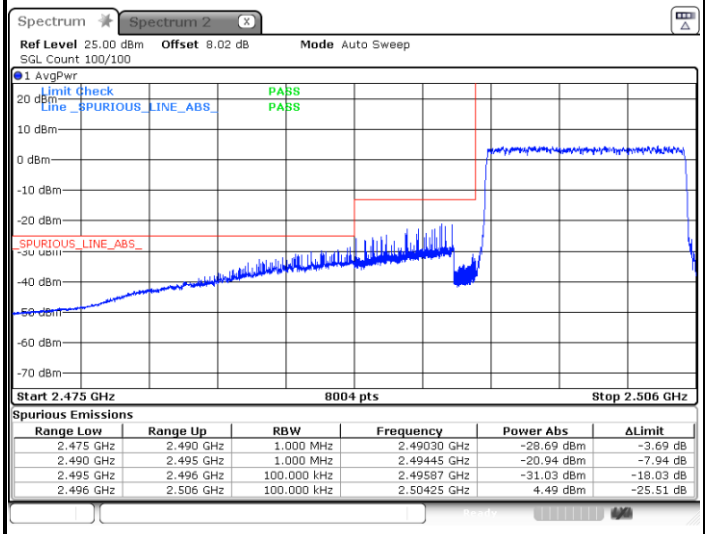


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68943 GHz	21.31 dBm	-8.69 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-15.78 dBm	-5.78 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69102 GHz	-13.61 dBm	-3.61 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69528 GHz	-21.47 dBm	-8.47 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70038 GHz	-27.69 dBm	-2.69 dB

Date: 18.AUG.2022 12:31:01

Lowest Band Edge / Full RB

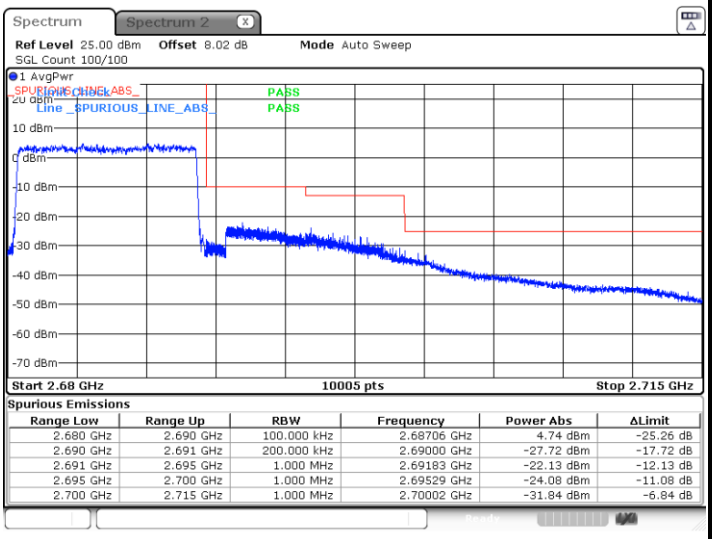


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49030 GHz	-28.69 dBm	-3.69 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49445 GHz	-20.94 dBm	-7.94 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49587 GHz	-31.03 dBm	-18.03 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50425 GHz	4.49 dBm	-25.51 dB

Date: 18.AUG.2022 13:25:27

Highest Band Edge / Full RB



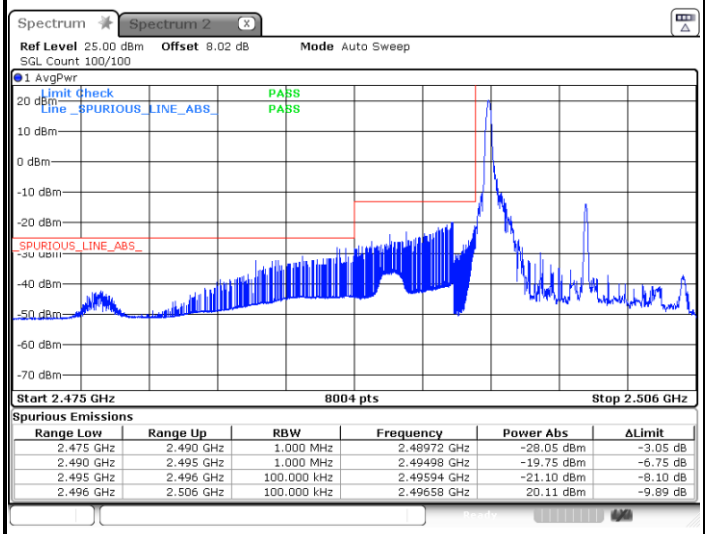
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68706 GHz	4.74 dBm	-25.26 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69000 GHz	-27.72 dBm	-17.72 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69183 GHz	-22.13 dBm	-12.13 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69529 GHz	-24.08 dBm	-11.08 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70002 GHz	-31.84 dBm	-6.84 dB

Date: 18.AUG.2022 12:35:38

LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

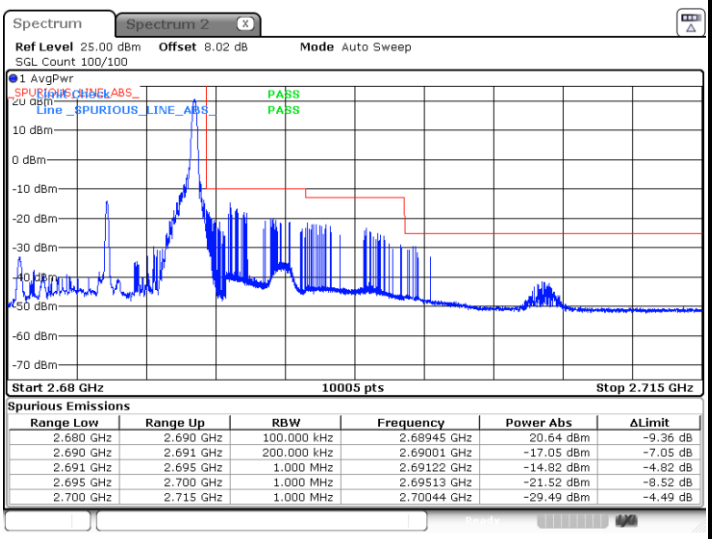


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48972 GHz	-28.05 dBm	-3.05 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49498 GHz	-19.75 dBm	-6.75 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49594 GHz	-21.10 dBm	-8.10 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49658 GHz	20.11 dBm	-9.89 dB

Date: 18.AUG.2022 13:24:29

Highest Band Edge / 1 RB

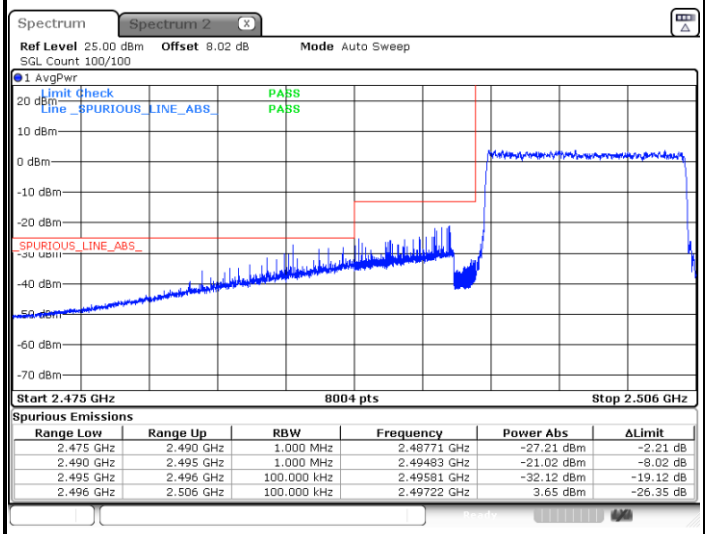


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68945 GHz	20.64 dBm	-9.36 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69001 GHz	-17.05 dBm	-7.05 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69122 GHz	-14.82 dBm	-4.82 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69513 GHz	-21.52 dBm	-8.52 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70044 GHz	-29.49 dBm	-4.49 dB

Date: 18.AUG.2022 12:31:56

Lowest Band Edge / Full RB

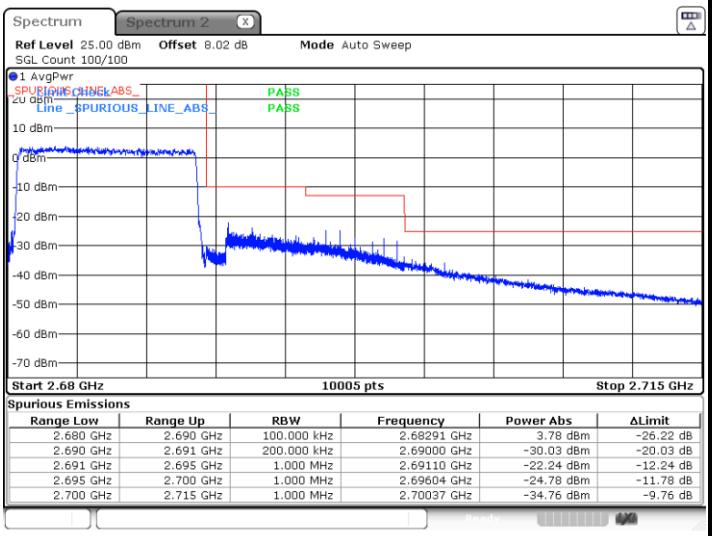


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48771 GHz	-27.21 dBm	-2.21 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49483 GHz	-21.02 dBm	-8.02 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49581 GHz	-32.12 dBm	-19.12 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49722 GHz	3.65 dBm	-26.35 dB

Date: 18.AUG.2022 13:30:54

Highest Band Edge / Full RB



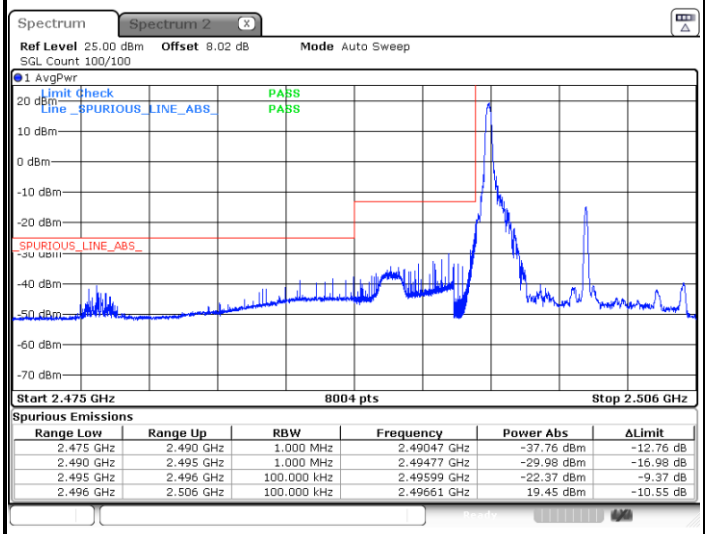
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68291 GHz	3.78 dBm	-26.22 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69000 GHz	-30.03 dBm	-20.03 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69110 GHz	-22.24 dBm	-12.24 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69604 GHz	-24.78 dBm	-11.78 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70037 GHz	-34.76 dBm	-9.76 dB

Date: 18.AUG.2022 12:34:42

LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

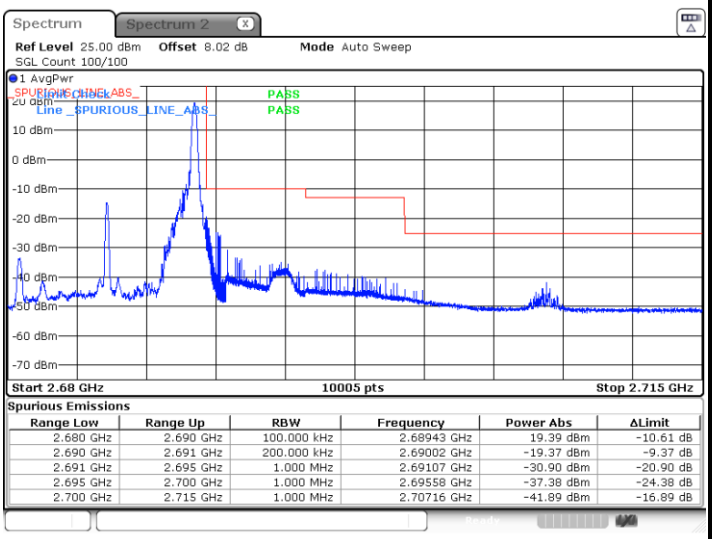


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-37.76 dBm	-12.76 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49477 GHz	-29.98 dBm	-16.98 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49599 GHz	-22.37 dBm	-9.37 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.49661 GHz	19.45 dBm	-10.55 dB

Date: 18.AUG.2022 12:24:28

Highest Band Edge / 1 RB

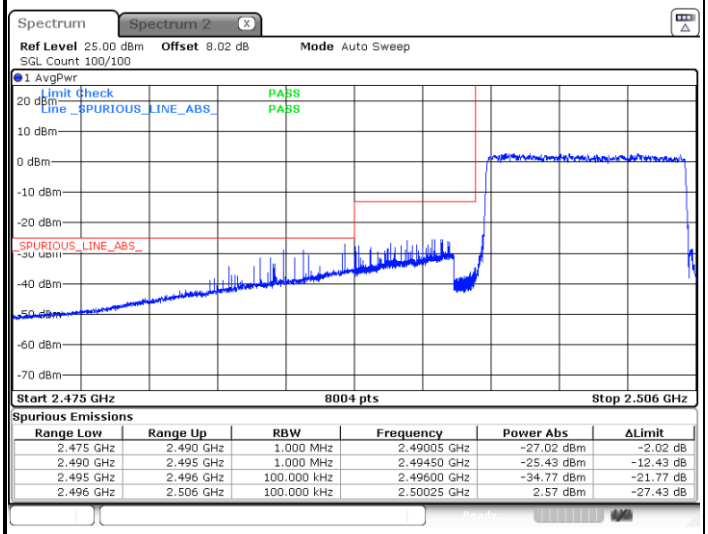


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68943 GHz	19.39 dBm	-10.61 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69002 GHz	-19.37 dBm	-9.37 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69107 GHz	-30.90 dBm	-20.90 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69558 GHz	-37.38 dBm	-24.38 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70716 GHz	-41.89 dBm	-16.89 dB

Date: 18.AUG.2022 12:32:52

Lowest Band Edge / Full RB

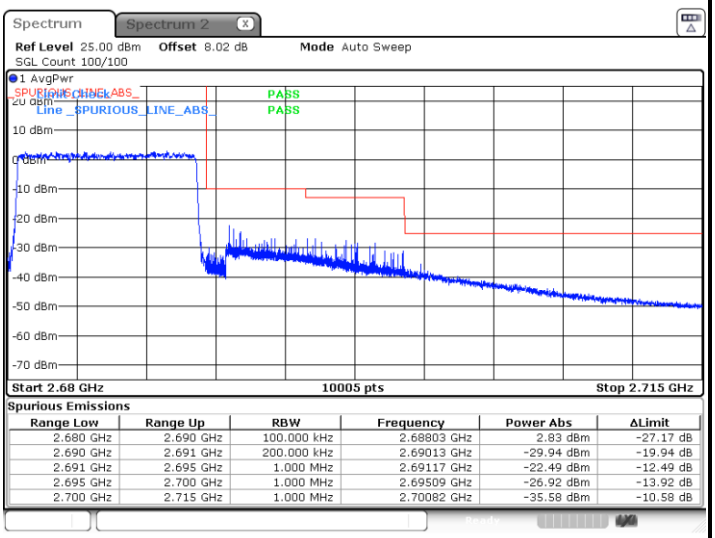


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49005 GHz	-27.02 dBm	-2.02 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49450 GHz	-25.43 dBm	-12.43 dB
2.495 GHz	2.496 GHz	100.000 kHz	2.49600 GHz	-34.77 dBm	-21.77 dB
2.496 GHz	2.506 GHz	100.000 kHz	2.50025 GHz	2.57 dBm	-27.43 dB

Date: 18.AUG.2022 12:25:26

Highest Band Edge / Full RB



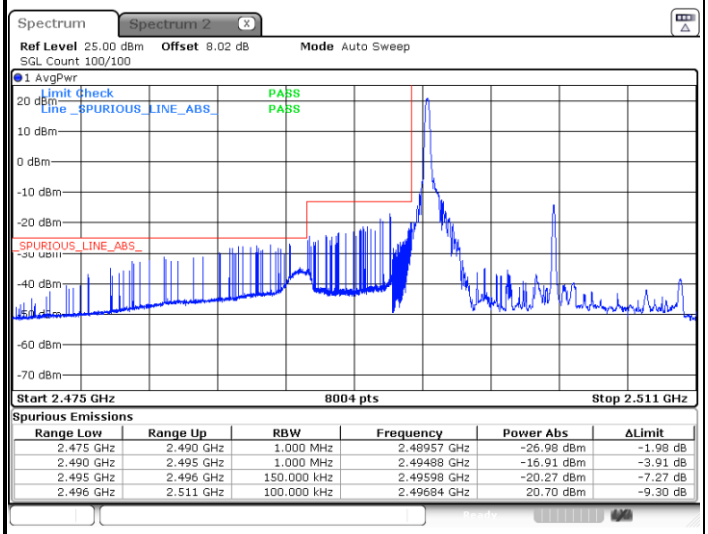
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.680 GHz	2.690 GHz	100.000 kHz	2.68803 GHz	2.83 dBm	-27.17 dB
2.690 GHz	2.691 GHz	200.000 kHz	2.69013 GHz	-29.94 dBm	-19.94 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69117 GHz	-22.49 dBm	-12.49 dB
2.695 GHz	2.700 GHz	1.000 MHz	2.69509 GHz	-26.92 dBm	-13.92 dB
2.700 GHz	2.715 GHz	1.000 MHz	2.70082 GHz	-35.58 dBm	-10.58 dB

Date: 18.AUG.2022 12:33:47

LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB

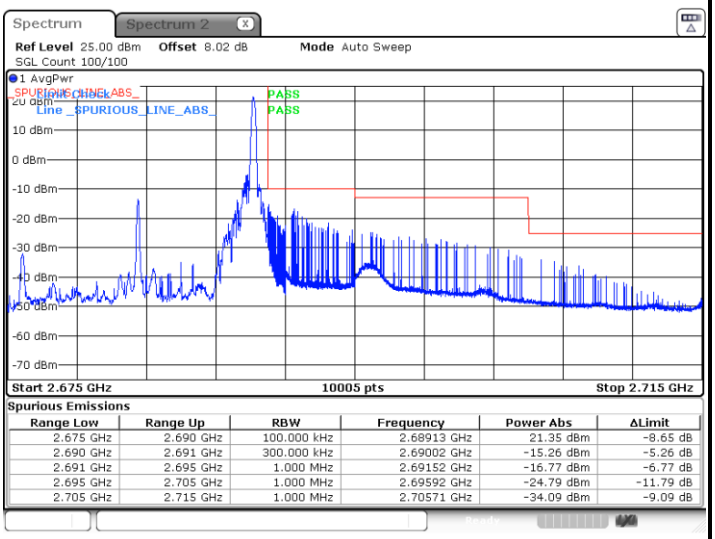


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48957 GHz	-26.98 dBm	-1.98 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49488 GHz	-16.91 dBm	-3.91 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49598 GHz	-20.27 dBm	-7.27 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49684 GHz	20.70 dBm	-9.30 dB

Date: 18.AUG.2022 13:26:25

Highest Band Edge / 1 RB

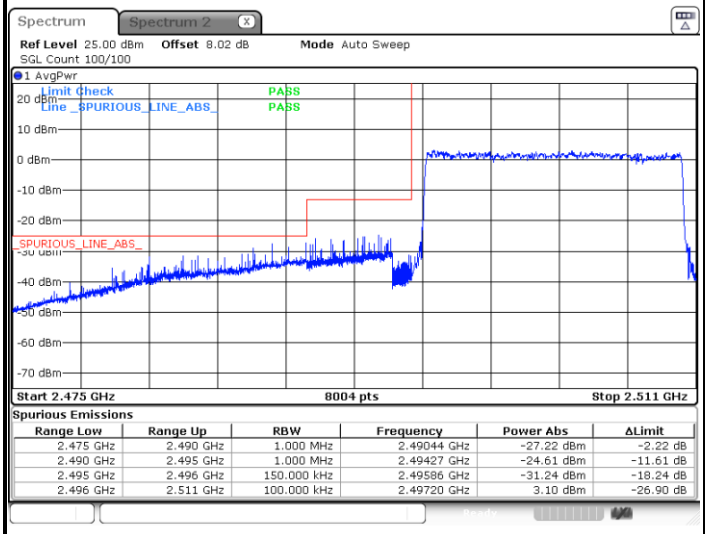


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68913 GHz	21.35 dBm	-8.65 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69002 GHz	-15.26 dBm	-5.26 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69152 GHz	-16.77 dBm	-6.77 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69592 GHz	-24.79 dBm	-11.79 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70571 GHz	-34.09 dBm	-9.09 dB

Date: 18.AUG.2022 12:46:28

Lowest Band Edge / Full RB

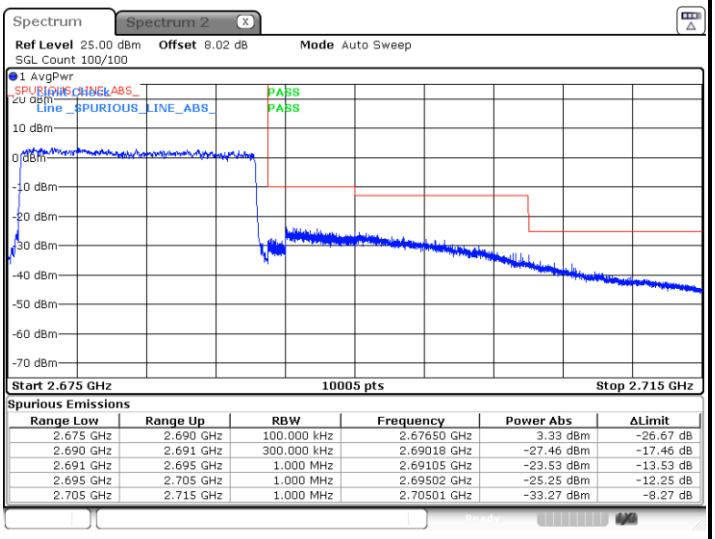


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49044 GHz	-27.22 dBm	-2.22 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49427 GHz	-24.61 dBm	-11.61 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49586 GHz	-31.24 dBm	-18.24 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49720 GHz	3.10 dBm	-26.90 dB

Date: 18.AUG.2022 12:42:48

Highest Band Edge / Full RB



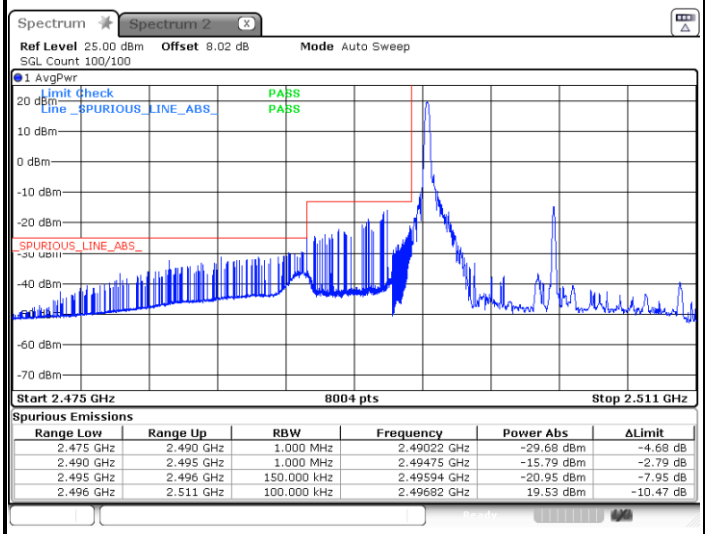
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67650 GHz	3.33 dBm	-26.67 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69018 GHz	-27.46 dBm	-17.46 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-23.53 dBm	-13.53 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69502 GHz	-25.25 dBm	-12.25 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70501 GHz	-33.27 dBm	-8.27 dB

Date: 18.AUG.2022 12:51:04

LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

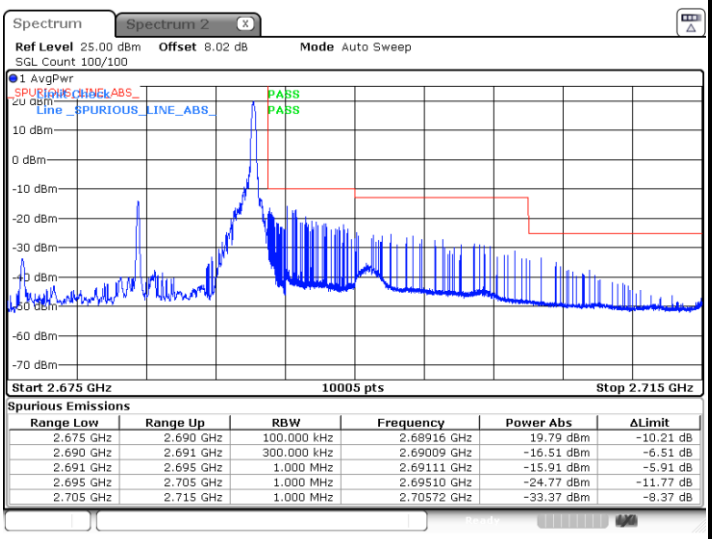


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49022 GHz	-29.68 dBm	-4.68 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49475 GHz	-15.79 dBm	-2.79 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49594 GHz	-20.95 dBm	-7.95 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49682 GHz	19.53 dBm	-10.47 dB

Date: 18.AUG.2022 13:27:23

Highest Band Edge / 1 RB

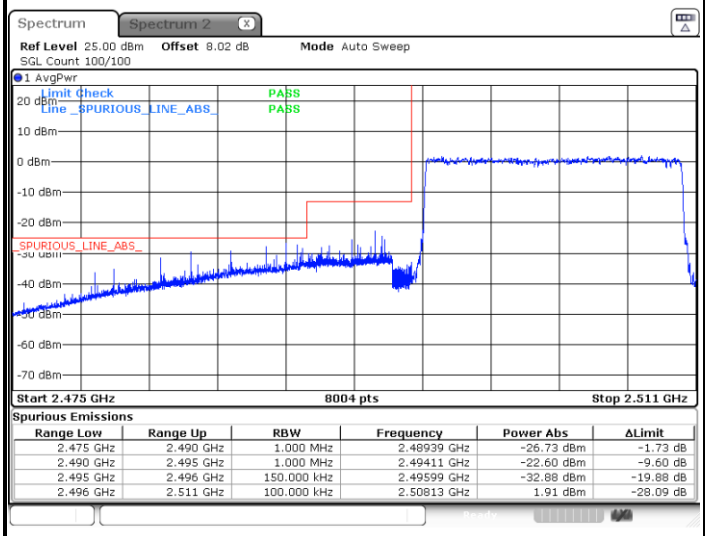


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68916 GHz	19.79 dBm	-10.21 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69009 GHz	-16.51 dBm	-6.51 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69111 GHz	-15.91 dBm	-5.91 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69510 GHz	-24.77 dBm	-11.77 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70572 GHz	-33.37 dBm	-8.37 dB

Date: 18.AUG.2022 12:47:23

Lowest Band Edge / Full RB

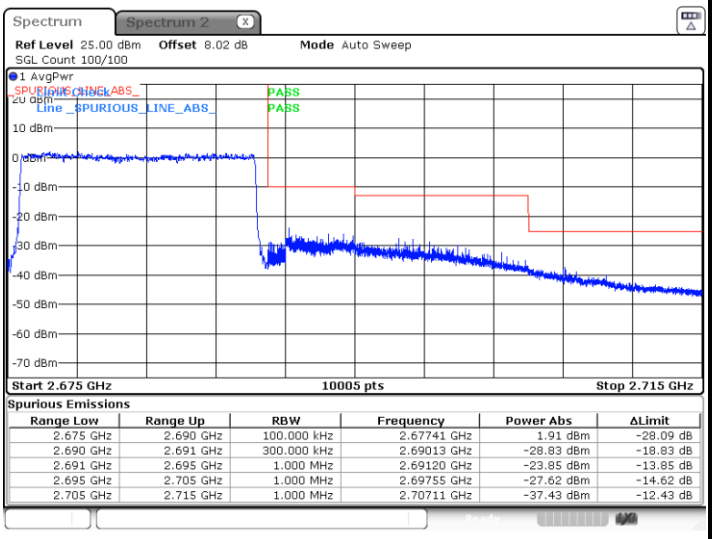


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48939 GHz	-26.73 dBm	-1.73 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49411 GHz	-22.60 dBm	-9.60 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49599 GHz	-32.88 dBm	-19.88 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.50813 GHz	1.91 dBm	-28.09 dB

Date: 18.AUG.2022 12:41:51

Highest Band Edge / Full RB



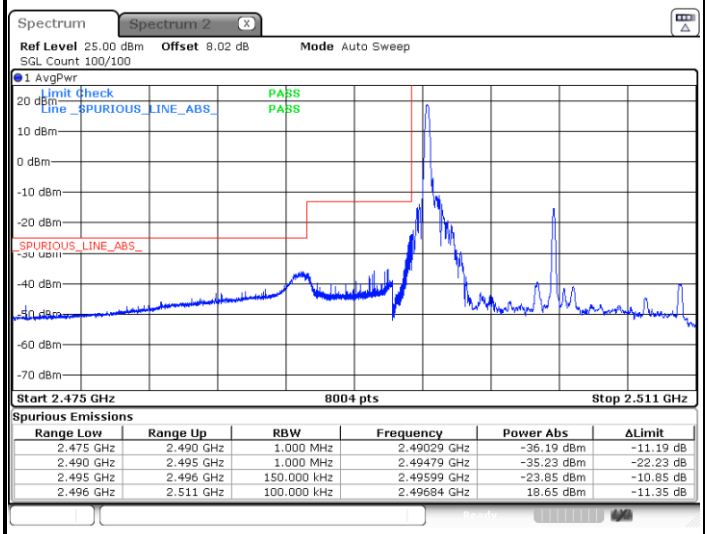
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67741 GHz	1.91 dBm	-28.09 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69013 GHz	-28.83 dBm	-18.83 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69120 GHz	-23.85 dBm	-13.85 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69755 GHz	-27.62 dBm	-14.62 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70711 GHz	-37.43 dBm	-12.43 dB

Date: 18.AUG.2022 12:50:09

LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

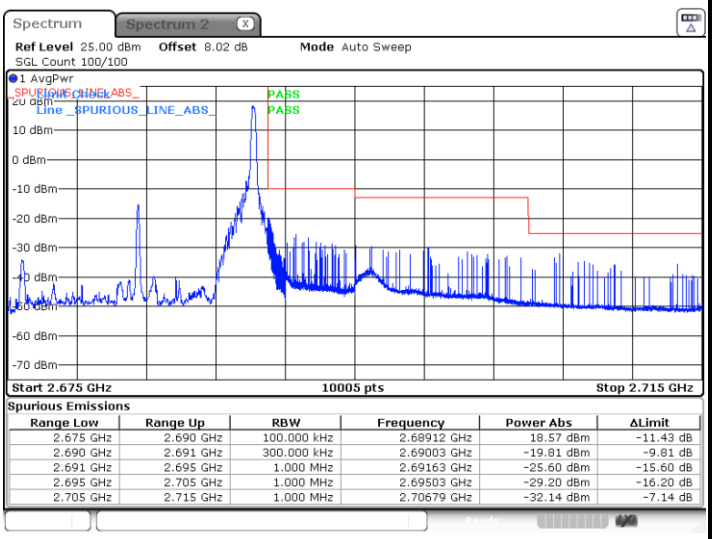


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49029 GHz	-36.19 dBm	-11.19 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49479 GHz	-35.23 dBm	-22.23 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49599 GHz	-23.85 dBm	-10.85 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49684 GHz	18.65 dBm	-11.35 dB

Date: 18.AUG.2022 12:39:55

Highest Band Edge / 1 RB

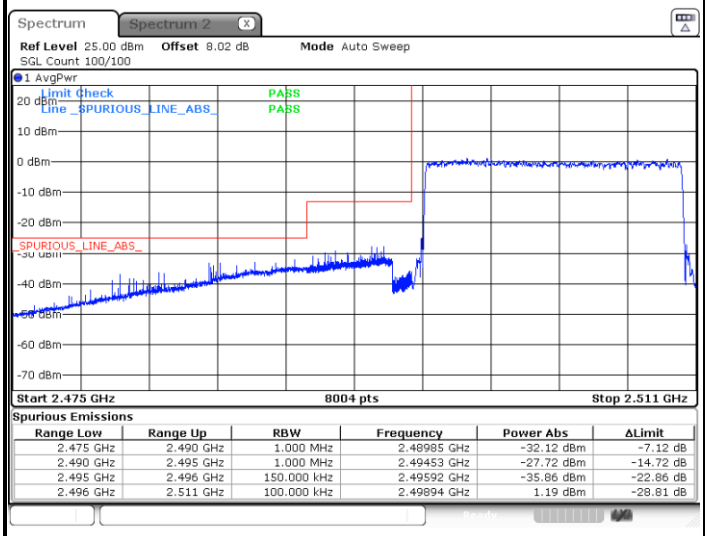


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.68912 GHz	18.57 dBm	-11.43 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69003 GHz	-19.81 dBm	-9.81 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69163 GHz	-25.60 dBm	-15.60 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69503 GHz	-29.20 dBm	-16.20 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70679 GHz	-32.14 dBm	-7.14 dB

Date: 18.AUG.2022 12:48:18

Lowest Band Edge / Full RB

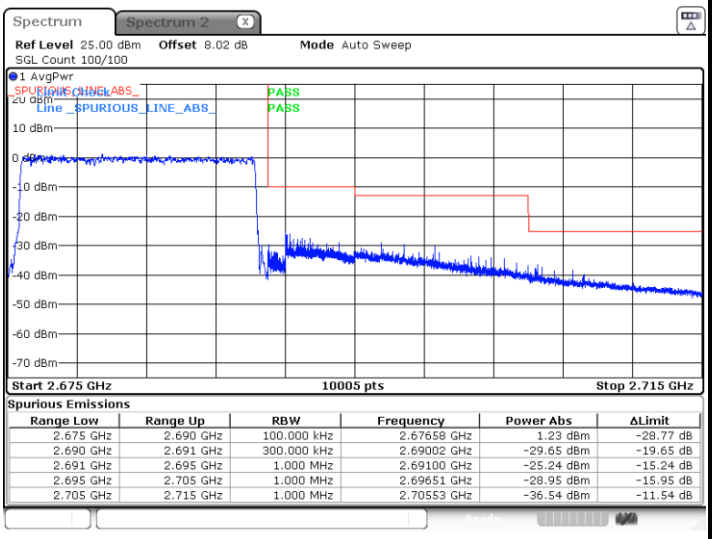


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48985 GHz	-32.12 dBm	-7.12 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49453 GHz	-27.72 dBm	-14.72 dB
2.495 GHz	2.496 GHz	150.000 kHz	2.49592 GHz	-35.86 dBm	-22.86 dB
2.496 GHz	2.511 GHz	100.000 kHz	2.49894 GHz	1.19 dBm	-28.81 dB

Date: 18.AUG.2022 12:40:53

Highest Band Edge / Full RB



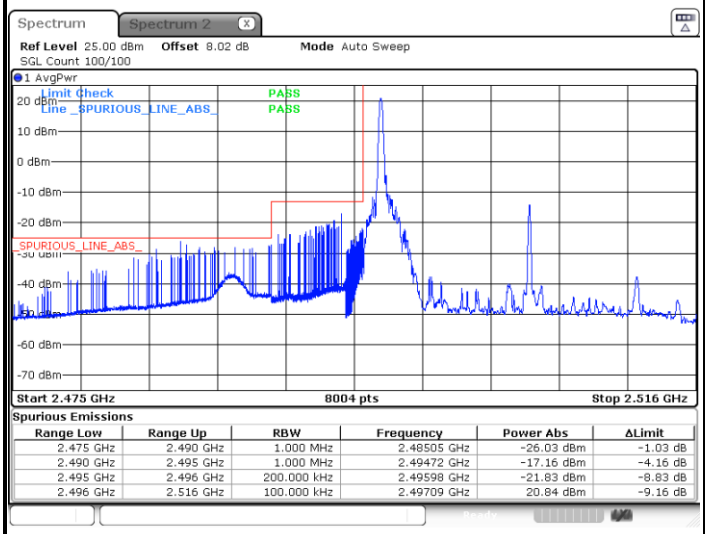
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.675 GHz	2.690 GHz	100.000 kHz	2.67658 GHz	1.23 dBm	-28.77 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69002 GHz	-29.65 dBm	-19.65 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69100 GHz	-25.24 dBm	-15.24 dB
2.695 GHz	2.705 GHz	1.000 MHz	2.69651 GHz	-28.95 dBm	-15.95 dB
2.705 GHz	2.715 GHz	1.000 MHz	2.70553 GHz	-36.54 dBm	-11.54 dB

Date: 18.AUG.2022 12:49:14

LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

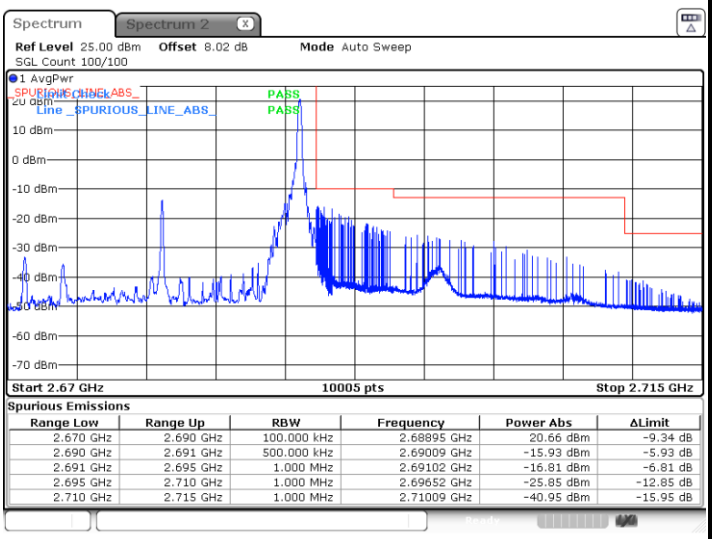


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48505 GHz	-26.03 dBm	-1.03 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49472 GHz	-17.16 dBm	-4.16 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49598 GHz	-21.83 dBm	-8.83 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49709 GHz	20.84 dBm	-9.16 dB

Date: 18.AUG.2022 12:53:24

Highest Band Edge / 1 RB

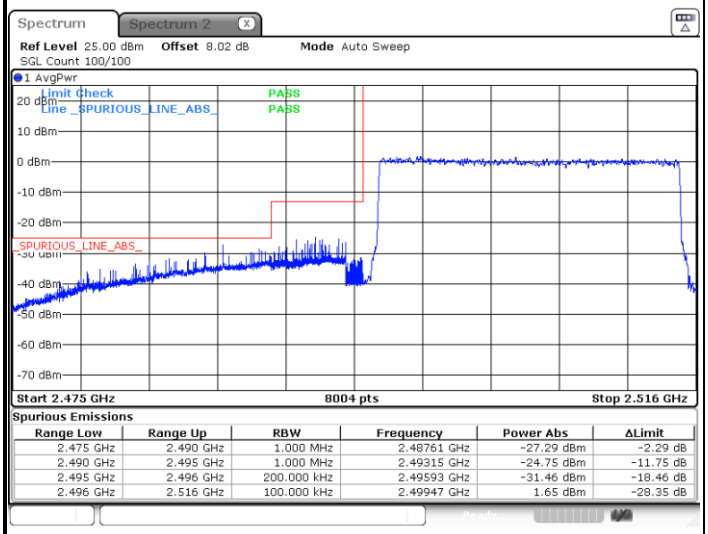


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68895 GHz	20.66 dBm	-9.34 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69009 GHz	-15.93 dBm	-5.93 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69102 GHz	-16.81 dBm	-6.81 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69652 GHz	-25.85 dBm	-12.85 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71009 GHz	-40.95 dBm	-15.95 dB

Date: 18.AUG.2022 13:01:51

Lowest Band Edge / Full RB

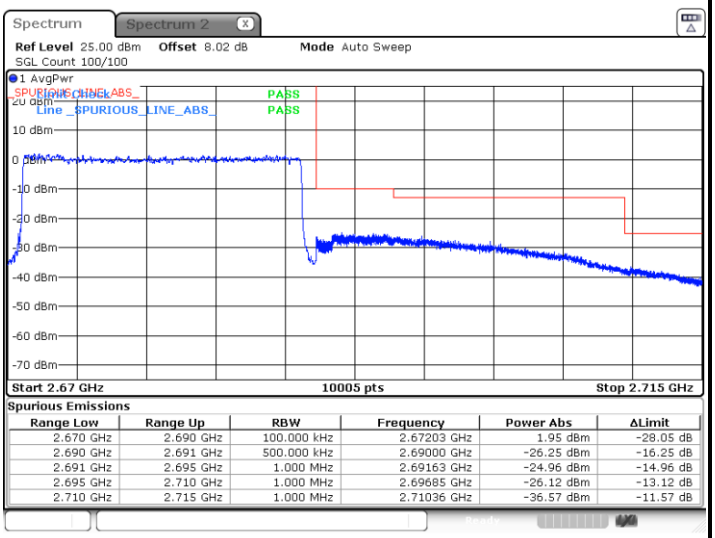


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48761 GHz	-27.29 dBm	-2.29 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49315 GHz	-24.75 dBm	-11.75 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49593 GHz	-31.46 dBm	-18.46 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49947 GHz	1.65 dBm	-28.35 dB

Date: 18.AUG.2022 12:58:12

Highest Band Edge / Full RB



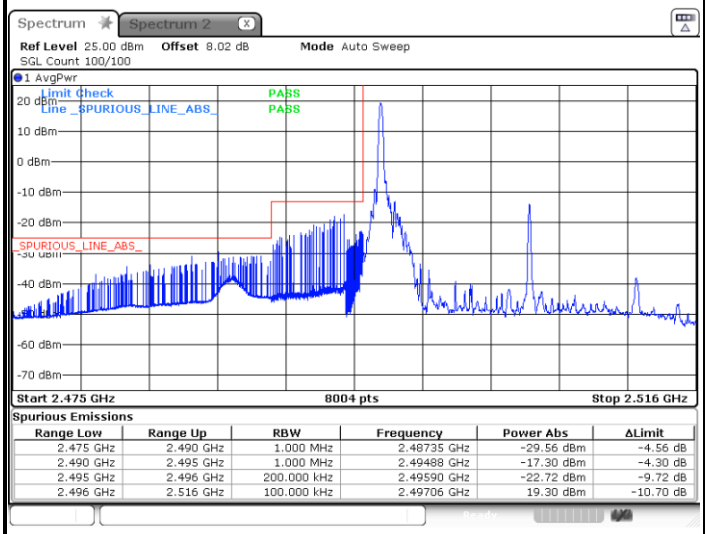
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67203 GHz	1.95 dBm	-28.05 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69000 GHz	-26.25 dBm	-16.25 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69163 GHz	-24.96 dBm	-14.96 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69685 GHz	-26.12 dBm	-13.12 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71036 GHz	-36.57 dBm	-11.57 dB

Date: 18.AUG.2022 13:06:28

LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

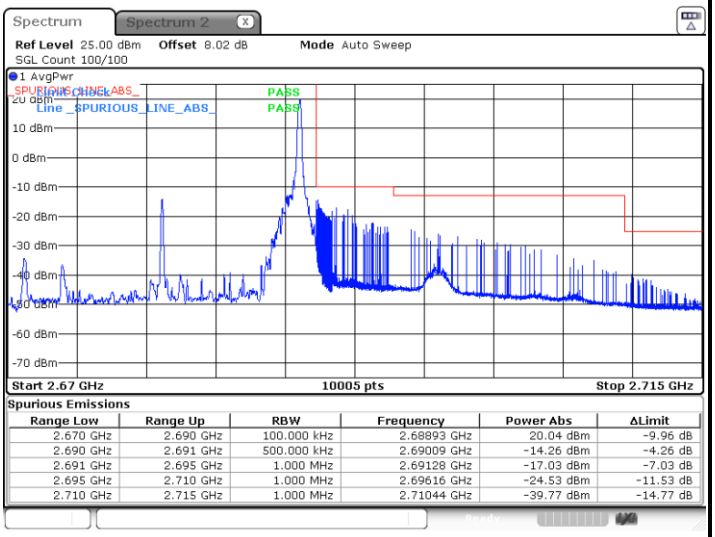


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48735 GHz	-29.56 dBm	-4.56 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49488 GHz	-17.30 dBm	-4.30 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49590 GHz	-22.72 dBm	-9.72 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49706 GHz	19.30 dBm	-10.70 dB

Date: 18.AUG.2022 13:28:21

Highest Band Edge / 1 RB

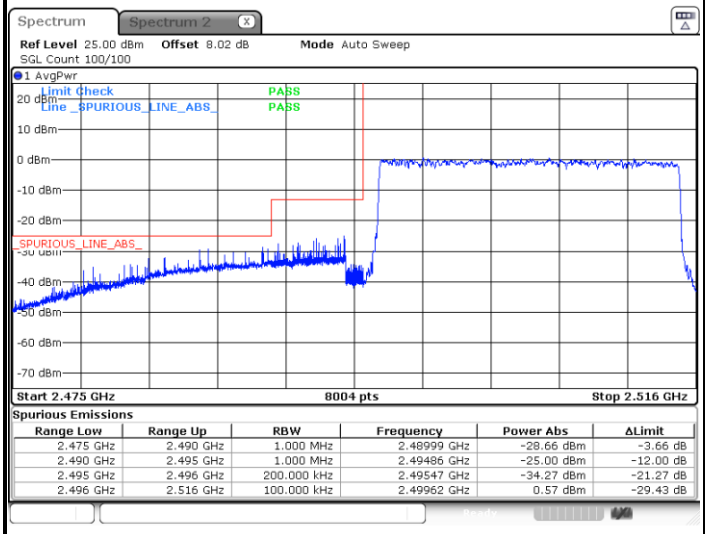


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68893 GHz	20.04 dBm	-9.96 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69009 GHz	-14.26 dBm	-4.26 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69128 GHz	-17.03 dBm	-7.03 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69616 GHz	-24.53 dBm	-11.53 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71044 GHz	-39.77 dBm	-14.77 dB

Date: 18.AUG.2022 13:02:47

Lowest Band Edge / Full RB

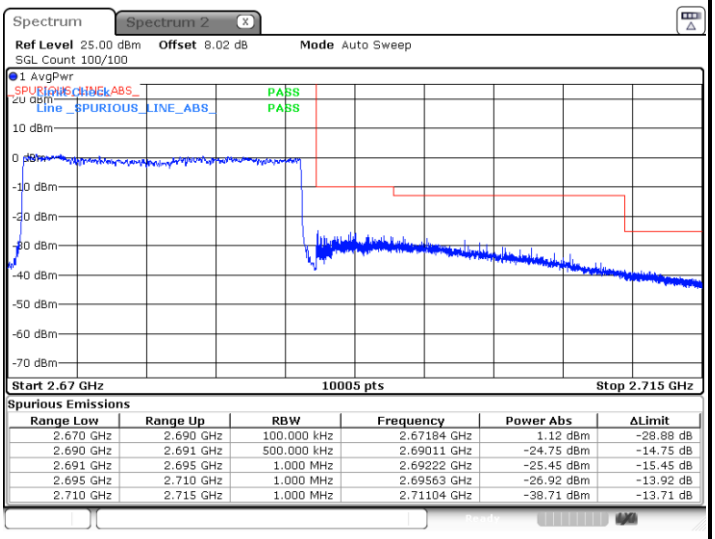


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48999 GHz	-28.66 dBm	-3.66 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49486 GHz	-25.00 dBm	-12.00 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49547 GHz	-34.27 dBm	-21.27 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49962 GHz	0.57 dBm	-29.43 dB

Date: 18.AUG.2022 12:57:15

Highest Band Edge / Full RB



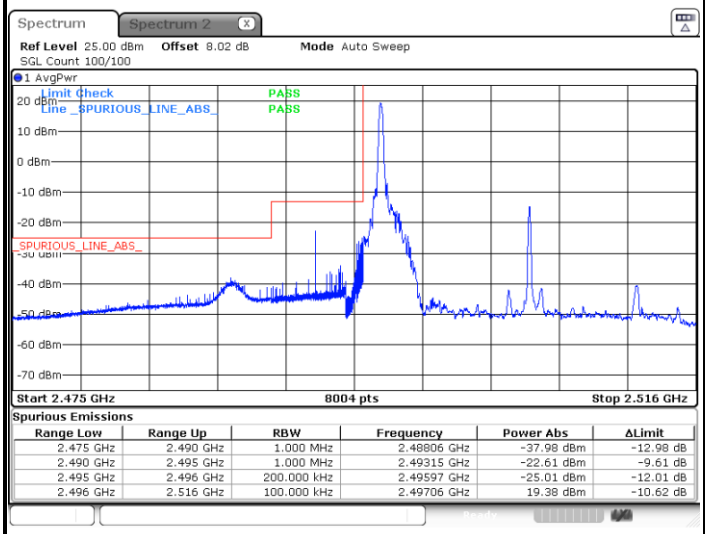
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67184 GHz	1.12 dBm	-28.88 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69011 GHz	-24.75 dBm	-14.75 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69222 GHz	-25.45 dBm	-15.45 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69563 GHz	-26.92 dBm	-13.92 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71104 GHz	-38.71 dBm	-13.71 dB

Date: 18.AUG.2022 13:05:33

LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

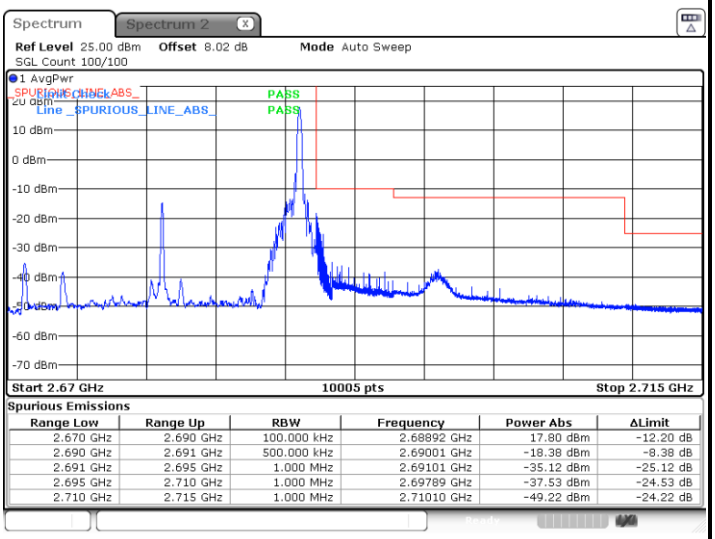


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48806 GHz	-37.98 dBm	-12.98 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49315 GHz	-22.61 dBm	-9.61 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49597 GHz	-25.01 dBm	-12.01 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49706 GHz	19.38 dBm	-10.62 dB

Date: 18.AUG.2022 12:55:19

Highest Band Edge / 1 RB

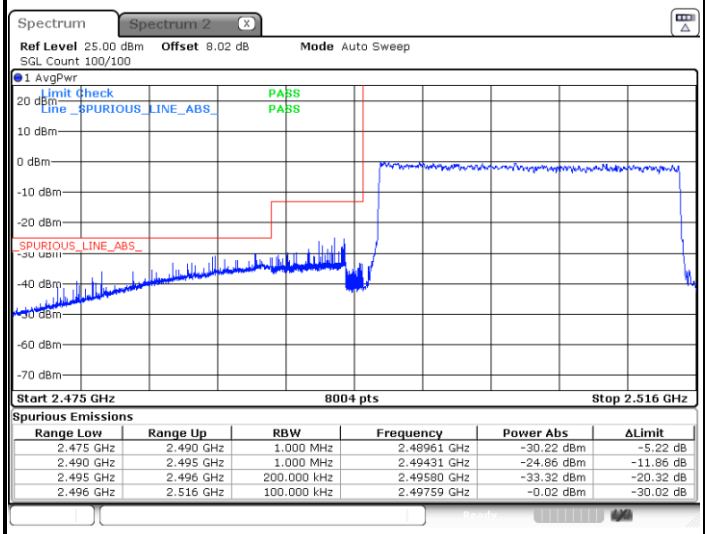


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.68892 GHz	17.80 dBm	-12.20 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-18.38 dBm	-8.38 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69101 GHz	-35.12 dBm	-25.12 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69789 GHz	-37.53 dBm	-24.53 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71010 GHz	-49.22 dBm	-24.22 dB

Date: 18.AUG.2022 13:03:42

Lowest Band Edge / Full RB

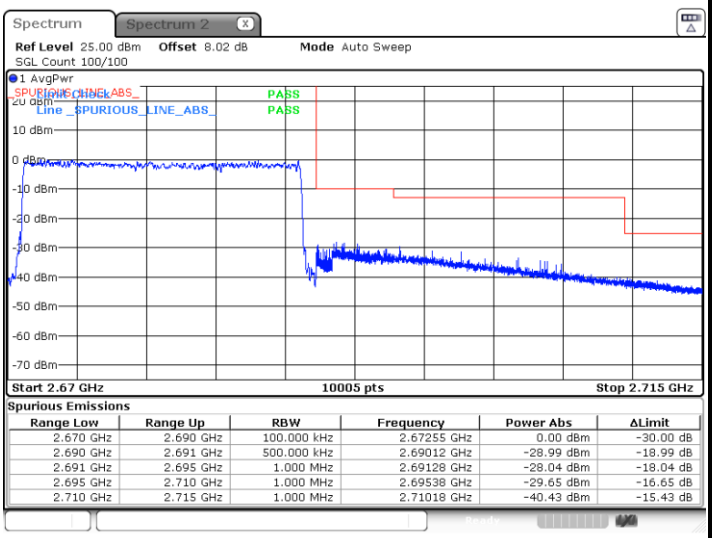


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48961 GHz	-30.22 dBm	-5.22 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49431 GHz	-24.86 dBm	-11.86 dB
2.495 GHz	2.496 GHz	200.000 kHz	2.49580 GHz	-33.32 dBm	-20.32 dB
2.496 GHz	2.516 GHz	100.000 kHz	2.49759 GHz	-0.02 dBm	-30.02 dB

Date: 18.AUG.2022 12:56:17

Highest Band Edge / Full RB



Spurious Emissions

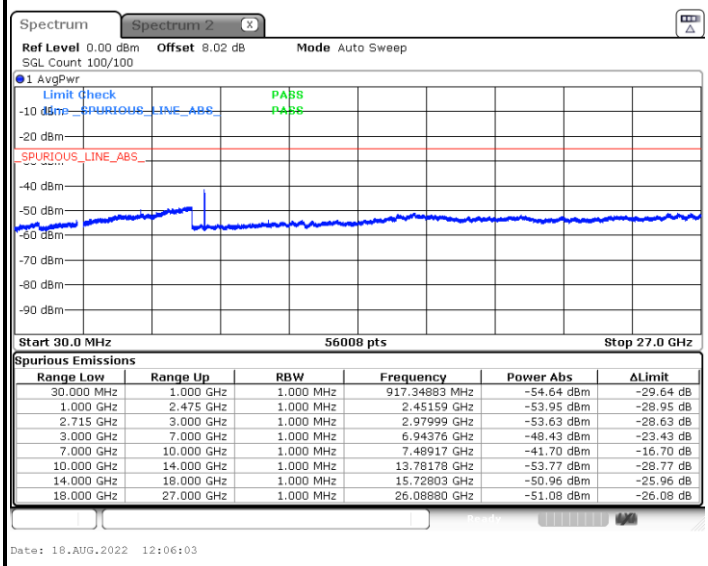
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.670 GHz	2.690 GHz	100.000 kHz	2.67255 GHz	0.00 dBm	-30.00 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69012 GHz	-28.99 dBm	-18.99 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69128 GHz	-28.04 dBm	-18.04 dB
2.695 GHz	2.710 GHz	1.000 MHz	2.69538 GHz	-29.65 dBm	-16.65 dB
2.710 GHz	2.715 GHz	1.000 MHz	2.71018 GHz	-40.43 dBm	-15.43 dB

Date: 18.AUG.2022 13:04:38

Conducted Spurious Emission

LTE Band 41 / 5MHz

Lowest Channel / QPSK

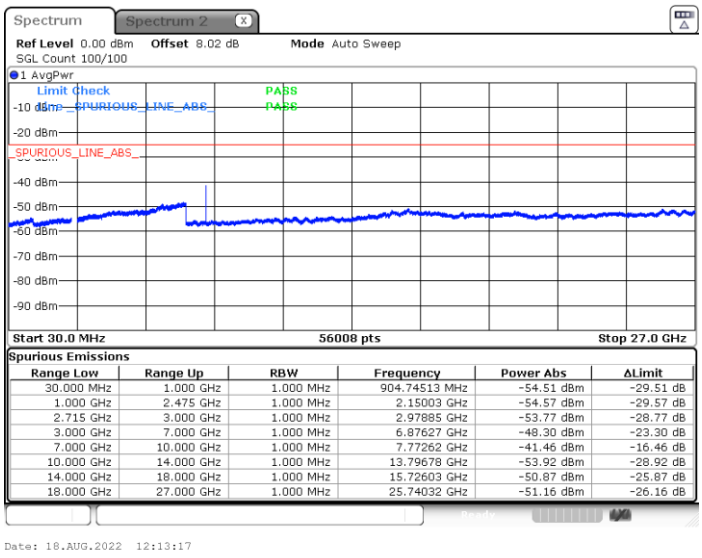


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.34883 MHz	-54.64 dBm	-29.64 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45159 GHz	-53.95 dBm	-28.95 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97999 GHz	-53.63 dBm	-28.63 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94376 GHz	-48.43 dBm	-23.43 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.48917 GHz	-41.70 dBm	-16.70 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.78178 GHz	-53.77 dBm	-28.77 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72803 GHz	-50.96 dBm	-25.96 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.08880 GHz	-51.08 dBm	-26.08 dB

Date: 18.AUG.2022 12:06:03

Middle Channel / QPSK

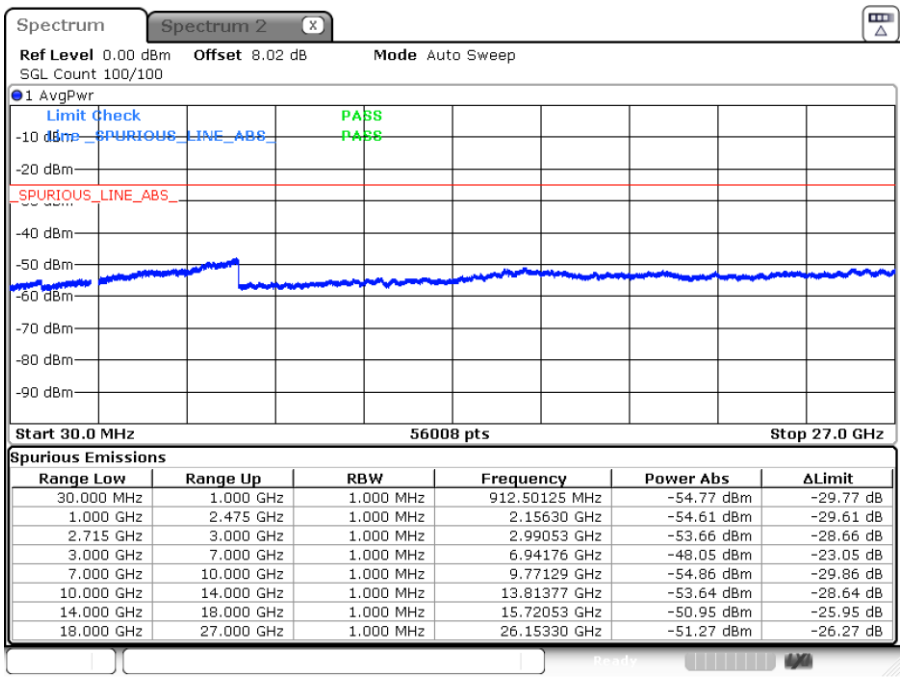


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.74513 MHz	-54.51 dBm	-29.51 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.15003 GHz	-54.57 dBm	-29.57 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97885 GHz	-53.77 dBm	-28.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87627 GHz	-48.30 dBm	-23.30 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.77262 GHz	-41.46 dBm	-16.46 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.79678 GHz	-53.92 dBm	-28.92 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72603 GHz	-50.87 dBm	-25.87 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.74032 GHz	-51.16 dBm	-26.16 dB

Date: 18.AUG.2022 12:13:17

Highest Channel / QPSK



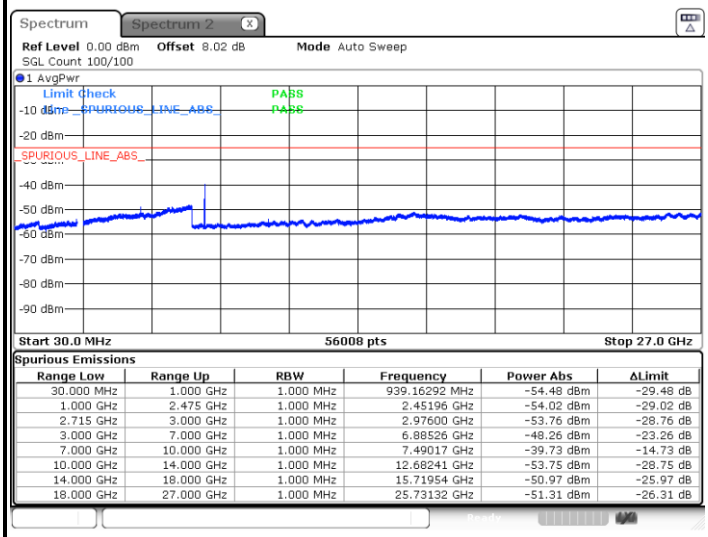
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.50125 MHz	-54.77 dBm	-29.77 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.15630 GHz	-54.61 dBm	-29.61 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99053 GHz	-53.66 dBm	-28.66 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94176 GHz	-48.05 dBm	-23.05 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.77129 GHz	-54.86 dBm	-29.86 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.81377 GHz	-53.64 dBm	-28.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72053 GHz	-50.95 dBm	-25.95 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.15330 GHz	-51.27 dBm	-26.27 dB

Date: 18.AUG.2022 12:14:39

LTE Band 41 / 10MHz

Lowest Channel / QPSK

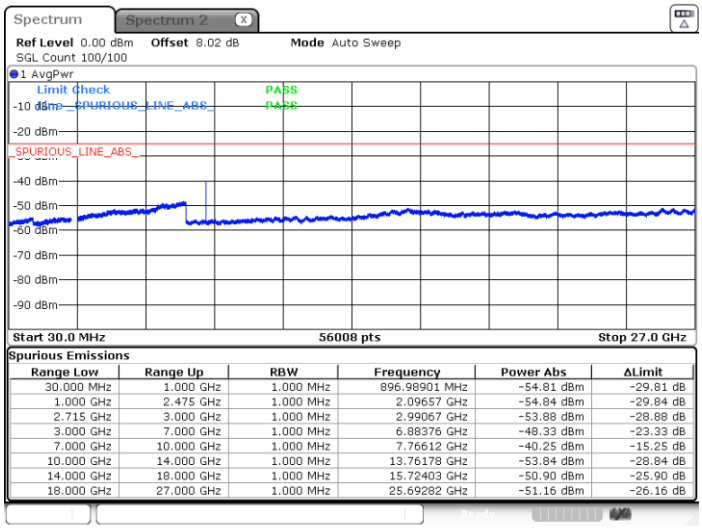


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.16292 MHz	-54.48 dBm	-29.48 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.45196 GHz	-54.02 dBm	-29.02 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.97600 GHz	-53.76 dBm	-28.76 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88526 GHz	-48.26 dBm	-23.26 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.49017 GHz	-39.73 dBm	-14.73 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.68241 GHz	-53.75 dBm	-28.75 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71954 GHz	-50.97 dBm	-25.97 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.73132 GHz	-51.31 dBm	-26.31 dB

Date: 18.AUG.2022 12:21:34

Middle Channel / QPSK

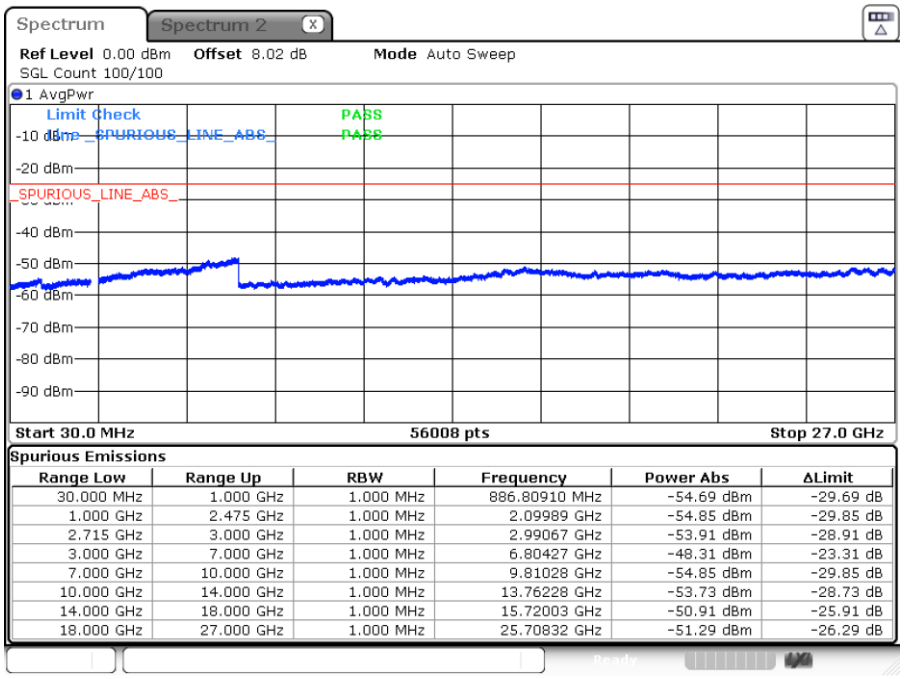


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	896.98901 MHz	-54.81 dBm	-29.81 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.09657 GHz	-54.84 dBm	-29.84 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99067 GHz	-53.88 dBm	-28.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88376 GHz	-48.33 dBm	-23.33 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.76612 GHz	-40.25 dBm	-15.25 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76178 GHz	-53.84 dBm	-28.84 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72403 GHz	-50.90 dBm	-25.90 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.69282 GHz	-51.16 dBm	-26.16 dB

Date: 18.AUG.2022 12:28:43

Highest Channel / QPSK



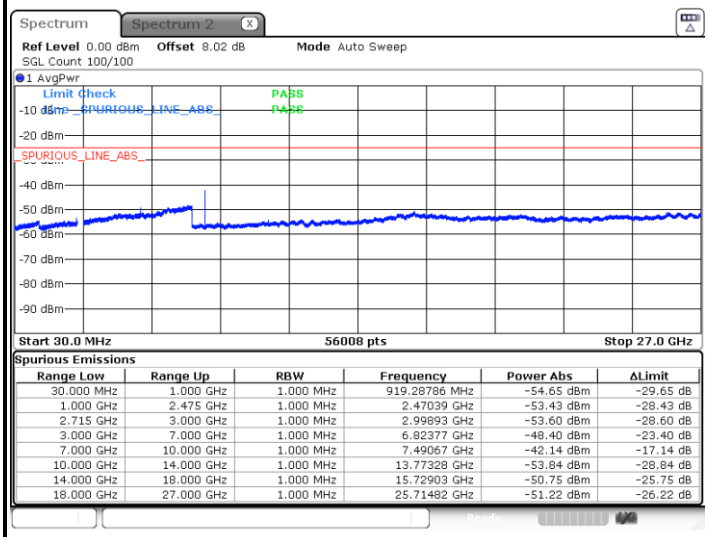
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.80910 MHz	-54.69 dBm	-29.69 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.09989 GHz	-54.85 dBm	-29.85 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99067 GHz	-53.91 dBm	-28.91 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.80427 GHz	-48.31 dBm	-23.31 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.81028 GHz	-54.85 dBm	-29.85 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76228 GHz	-53.73 dBm	-28.73 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72003 GHz	-50.91 dBm	-25.91 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.70832 GHz	-51.29 dBm	-26.29 dB

Date: 18.AUG.2022 12:30:05

LTE Band 41 / 15MHz

Lowest Channel / QPSK

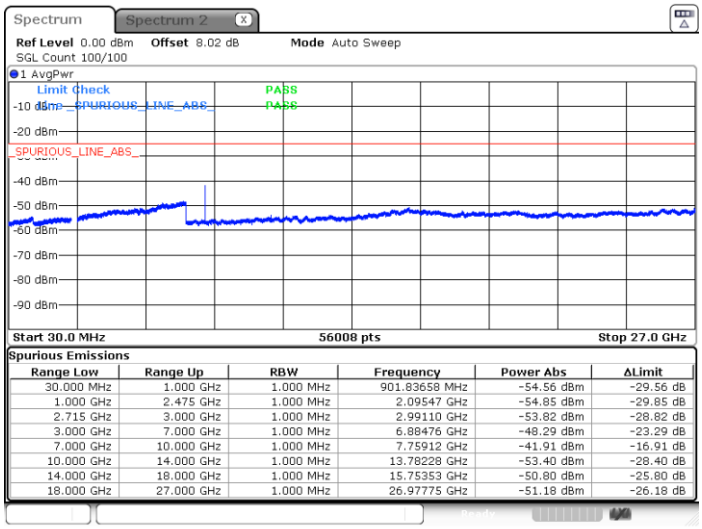


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	919.28786 MHz	-54.65 dBm	-29.65 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.47039 GHz	-53.43 dBm	-28.43 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99893 GHz	-53.60 dBm	-28.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.82377 GHz	-48.40 dBm	-23.40 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.49067 GHz	-42.14 dBm	-17.14 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.77328 GHz	-53.84 dBm	-28.84 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72903 GHz	-50.75 dBm	-25.75 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.71482 GHz	-51.22 dBm	-26.22 dB

Date: 18.AUG.2022 12:37:00

Middle Channel / QPSK

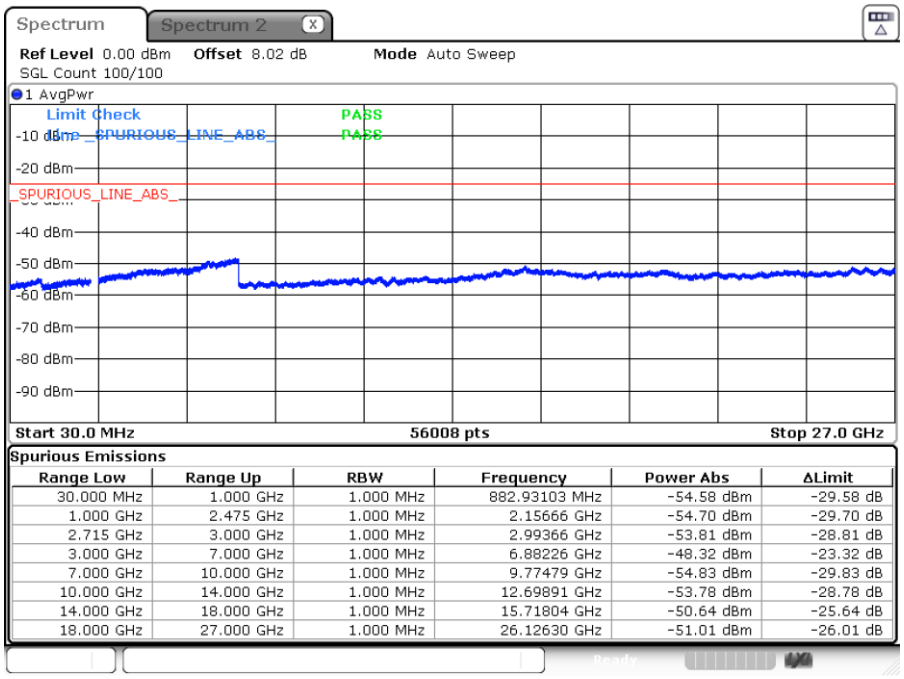


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.83658 MHz	-54.56 dBm	-29.56 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.09547 GHz	-54.85 dBm	-29.85 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99110 GHz	-53.82 dBm	-28.82 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88476 GHz	-48.29 dBm	-23.29 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.75912 GHz	-41.91 dBm	-16.91 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.78228 GHz	-53.40 dBm	-28.40 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.75353 GHz	-50.80 dBm	-25.80 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.97775 GHz	-51.18 dBm	-26.18 dB

Date: 18.AUG.2022 12:44:10

Highest Channel / QPSK



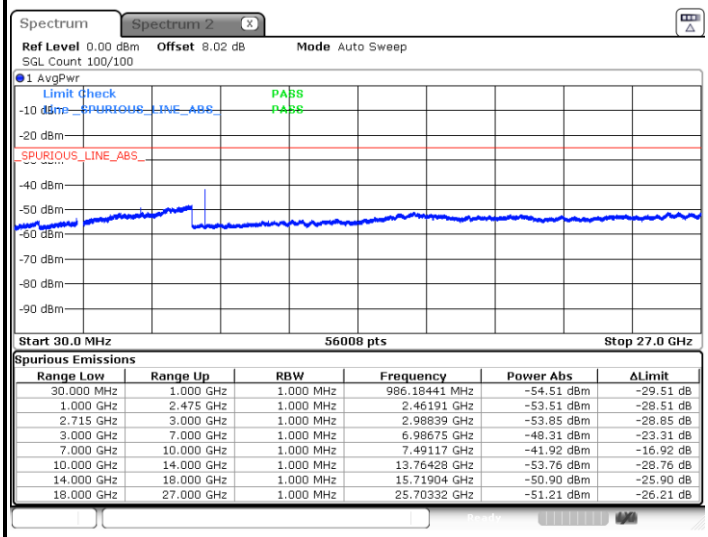
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	882.93103 MHz	-54.58 dBm	-29.58 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.15666 GHz	-54.70 dBm	-29.70 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.99366 GHz	-53.81 dBm	-28.81 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88226 GHz	-48.32 dBm	-23.32 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.77479 GHz	-54.83 dBm	-29.83 dB
10.000 GHz	14.000 GHz	1.000 MHz	12.69891 GHz	-53.78 dBm	-28.78 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71804 GHz	-50.64 dBm	-25.64 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.12630 GHz	-51.01 dBm	-26.01 dB

Date: 18.AUG.2022 12:45:32

LTE Band 41 / 20MHz

Lowest Channel / QPSK

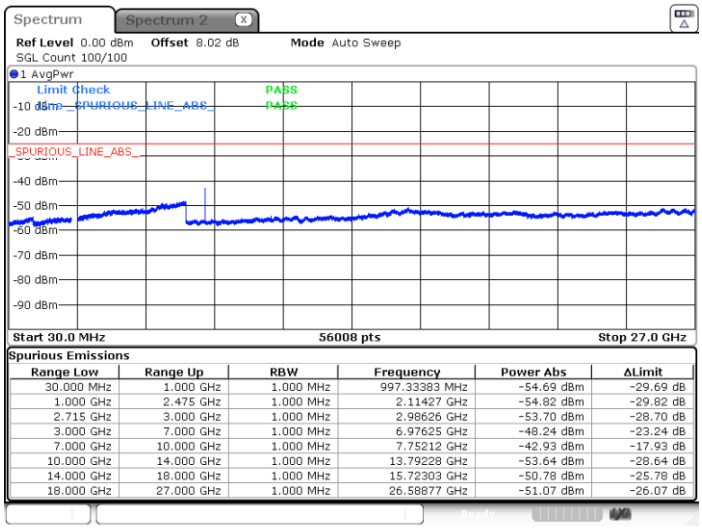


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	986.18441 MHz	-54.51 dBm	-29.51 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.46191 GHz	-53.51 dBm	-28.51 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.98839 GHz	-53.85 dBm	-28.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-48.31 dBm	-23.31 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.49117 GHz	-41.92 dBm	-16.92 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76428 GHz	-53.76 dBm	-28.76 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.71904 GHz	-50.90 dBm	-25.90 dB
18.000 GHz	27.000 GHz	1.000 MHz	25.70332 GHz	-51.21 dBm	-26.21 dB

Date: 18.AUG.2022 12:52:26

Middle Channel / QPSK

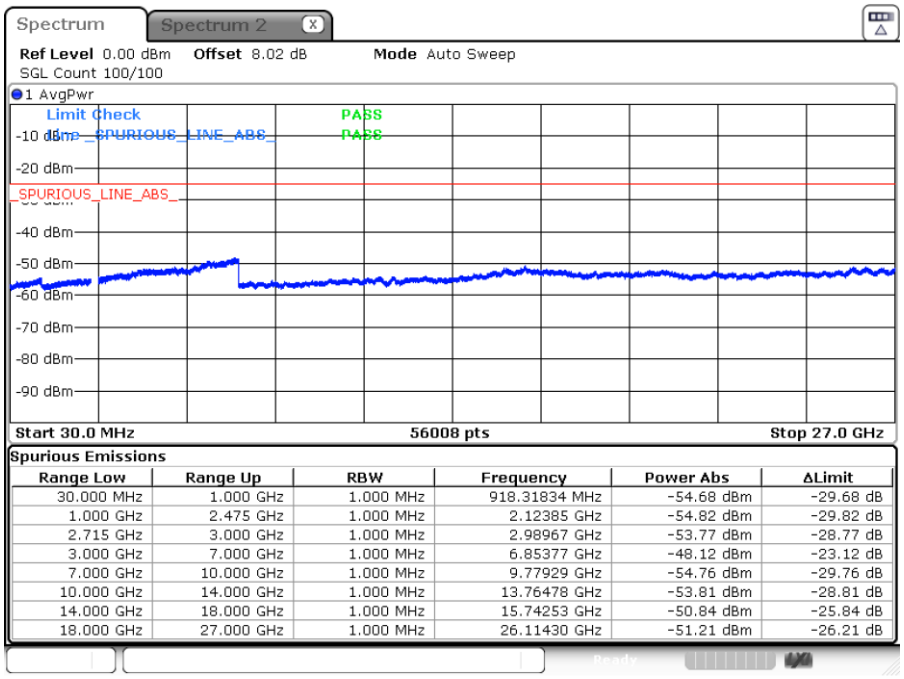


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.33383 MHz	-54.69 dBm	-29.69 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.11427 GHz	-54.82 dBm	-29.82 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.98626 GHz	-53.70 dBm	-28.70 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97625 GHz	-48.24 dBm	-23.24 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.75212 GHz	-42.93 dBm	-17.93 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.79228 GHz	-53.64 dBm	-28.64 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.72303 GHz	-50.78 dBm	-25.78 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.58877 GHz	-51.07 dBm	-26.07 dB

Date: 18.AUG.2022 12:59:34

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	918.31834 MHz	-54.68 dBm	-29.68 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.12385 GHz	-54.82 dBm	-29.82 dB
2.715 GHz	3.000 GHz	1.000 MHz	2.98967 GHz	-53.77 dBm	-28.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.85377 GHz	-48.12 dBm	-23.12 dB
7.000 GHz	10.000 GHz	1.000 MHz	9.77929 GHz	-54.76 dBm	-29.76 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.76478 GHz	-53.81 dBm	-28.81 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.74253 GHz	-50.84 dBm	-25.84 dB
18.000 GHz	27.000 GHz	1.000 MHz	26.11430 GHz	-51.21 dBm	-26.21 dB

Date: 18.AUG.2022 13:00:56

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	0.0021	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Levi zhuo	Temperature :	22~23℃
		Relative Humidity :	41~42%

LTE Band 2 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3735	-49.98	-13	-36.98	-62.24	2.64	14.90	H
	5610	-45.43	-13	-32.43	-57.29	2.94	14.80	H
	7485	-52.24	-13	-39.24	-62.01	3.39	13.16	H
	3735	-51.04	-13	-38.04	-63.30	2.64	14.90	V
	5610	-41.83	-13	-28.83	-53.69	2.94	14.80	V
	7485	-52.71	-13	-39.71	-62.48	3.39	13.16	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3450	-46.29	-13	-33.29	-57.03	2.604	13.34	H
	5175	-43.09	-13	-30.09	-53.60	3.011	13.52	H
	6900	-52.51	-13	-39.51	-62.71	3.271	13.47	H
	3450	-48.18	-13	-35.18	-58.92	2.604	13.34	V
	5175	-41.23	-13	-28.23	-51.74	3.011	13.52	V
	6900	-53.22	-13	-40.22	-63.42	3.271	13.47	V

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

LTE Band 7 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052	-62.07	-25	-37.07	-72.28	3.03	13.24	H
	7576	-51.73	-25	-26.73	-61.18	3.56	13.01	H
	10100	-61.48	-25	-36.48	-71.00	3.92	13.44	H
	5052	-63.71	-25	-38.71	-73.92	3.03	13.24	V
	7576	-55.33	-25	-30.33	-64.78	3.56	13.01	V
	10100	-61.35	-25	-36.35	-70.87	3.92	13.44	V

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

LTE Band 26 / 15MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1659	-46.95	-13	-33.95	-53.92	1.58	10.70	H
	2489	-42.77	-13	-29.77	-51.02	2.102	12.50	H
	3319	-60.28	-13	-47.28	-69.17	2.856	13.90	H
	1659	-48.22	-13	-35.22	-55.19	1.58	10.70	V
	2489	-44.27	-13	-31.27	-52.52	2.10	12.50	V
	3319	-60.26	-13	-47.26	-69.15	2.86	13.90	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5168	-63.58	-25	-38.58	-73.79	3.03	13.24	H
	7752	-60.12	-25	-35.12	-69.57	3.56	13.01	H
	10340	-61.26	-25	-36.26	-70.78	3.92	13.44	H
	5168	-62.55	-25	-37.55	-72.76	3.03	13.24	V
	7752	-59.57	-25	-34.57	-69.02	3.56	13.01	V
	10340	-61.98	-25	-36.98	-71.50	3.92	13.44	V

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