

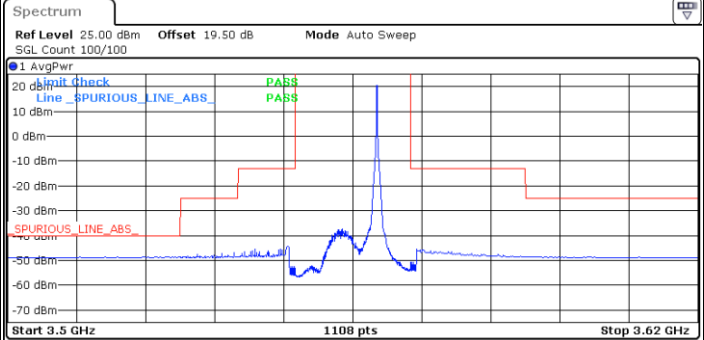
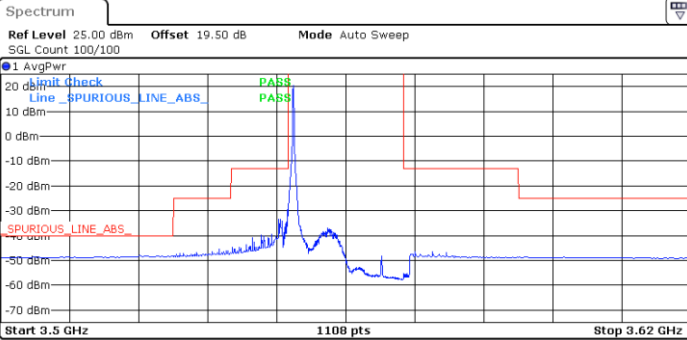


LTE Band 48 / 15MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52421 GHz	-47.90 dBm	-7.90 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53807 GHz	-45.35 dBm	-20.35 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54869 GHz	-33.56 dBm	-20.56 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54999 GHz	-27.02 dBm	-14.02 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55082 GHz	20.39 dBm	-9.61 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57008 GHz	-55.36 dBm	-42.36 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57504 GHz	-46.58 dBm	-33.58 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59015 GHz	-48.71 dBm	-23.71 dB

Spurious Emissions

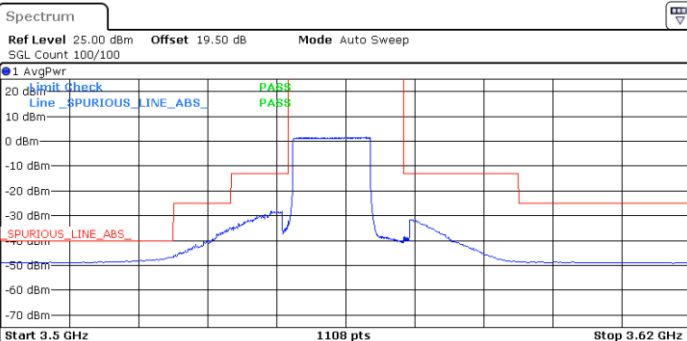
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52599 GHz	-48.62 dBm	-8.62 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53936 GHz	-46.90 dBm	-21.90 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54869 GHz	-44.39 dBm	-31.39 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54990 GHz	-52.51 dBm	-39.51 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56414 GHz	20.52 dBm	-9.48 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57044 GHz	-50.76 dBm	-37.76 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-45.57 dBm	-32.57 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59074 GHz	-48.55 dBm	-23.55 dB

Date: 12.NOV.2024 13:47:13

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Lowest Channel / FullRB

N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52985 GHz	-46.66 dBm	-6.66 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53995 GHz	-34.70 dBm	-9.70 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54896 GHz	-28.01 dBm	-15.01 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54997 GHz	-32.10 dBm	-19.10 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56354 GHz	1.59 dBm	-28.41 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57020 GHz	-38.42 dBm	-25.42 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57128 GHz	-31.53 dBm	-18.53 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59015 GHz	-48.47 dBm	-23.47 dB

Date: 12.NOV.2024 13:54:30

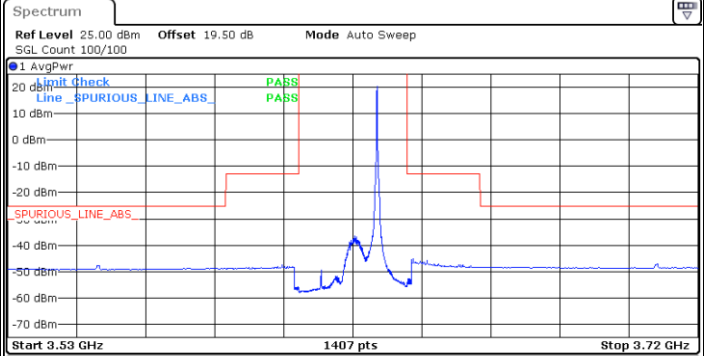
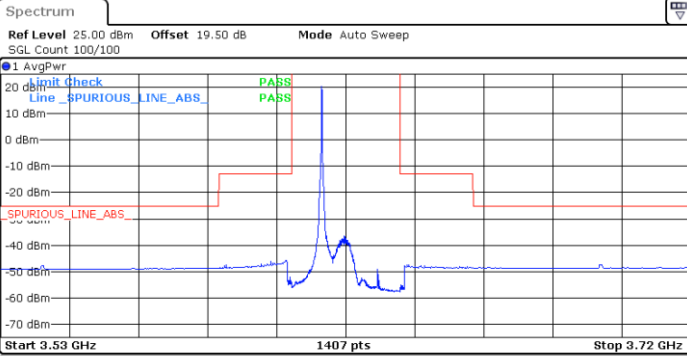


LTE Band 48 / 15MHz

16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.54179 GHz	-47.82 dBm	-22.82 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60834 GHz	-45.79 dBm	-32.79 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60956 GHz	-52.17 dBm	-39.17 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61836 GHz	20.45 dBm	-9.55 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64025 GHz	-55.07 dBm	-42.07 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64185 GHz	-47.33 dBm	-34.33 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.69537 GHz	-47.36 dBm	-22.36 dB

Spurious Emissions

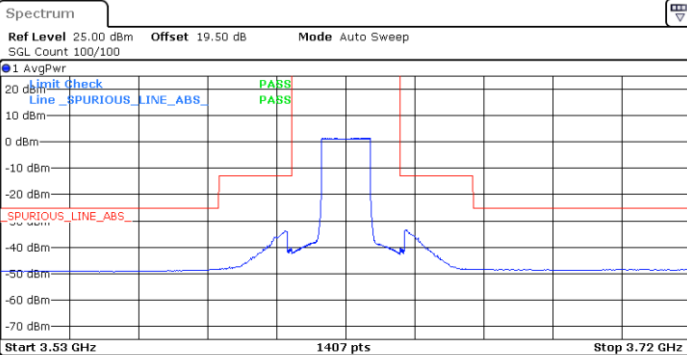
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.55463 GHz	-47.79 dBm	-22.79 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60552 GHz	-47.58 dBm	-34.58 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60990 GHz	-55.62 dBm	-42.62 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63164 GHz	20.46 dBm	-9.54 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64019 GHz	-52.75 dBm	-39.75 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64147 GHz	-45.07 dBm	-32.07 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.70881 GHz	-47.26 dBm	-22.26 dB

Date: 12.NOV.2024 16:37:52

Date: 12.NOV.2024 16:33:09

Middle Channel / FullRB

N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58896 GHz	-48.27 dBm	-23.27 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60834 GHz	-33.75 dBm	-20.75 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60984 GHz	-40.13 dBm	-27.13 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63039 GHz	1.42 dBm	-28.58 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64024 GHz	-40.31 dBm	-27.31 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64147 GHz	-33.31 dBm	-20.31 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66015 GHz	-48.33 dBm	-23.33 dB

Date: 12.NOV.2024 16:28:26

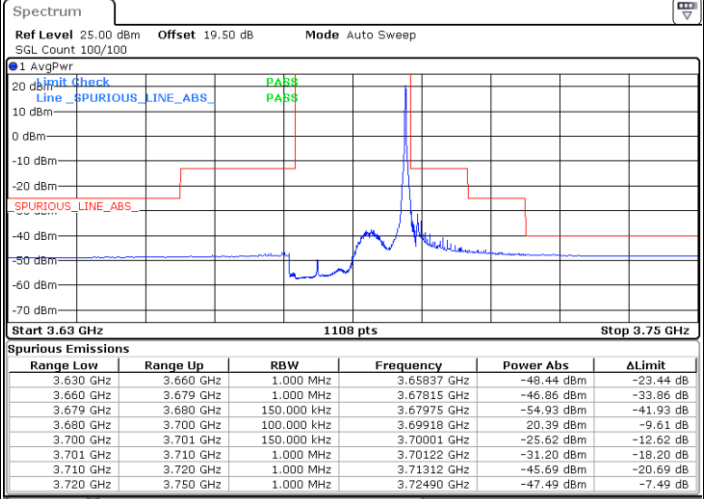
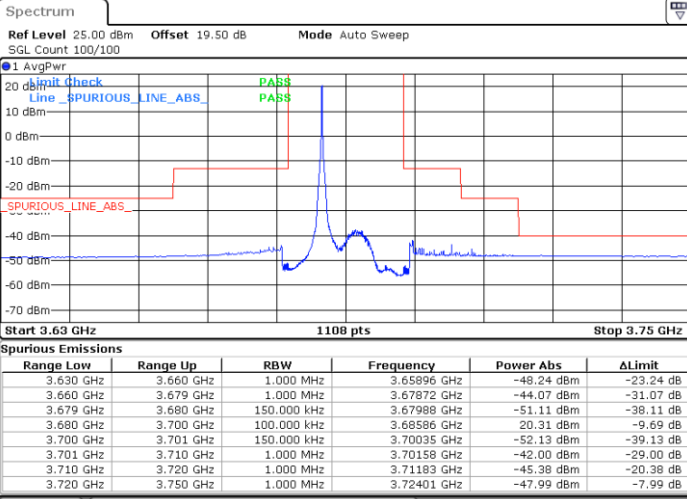


LTE Band 48 / 15MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

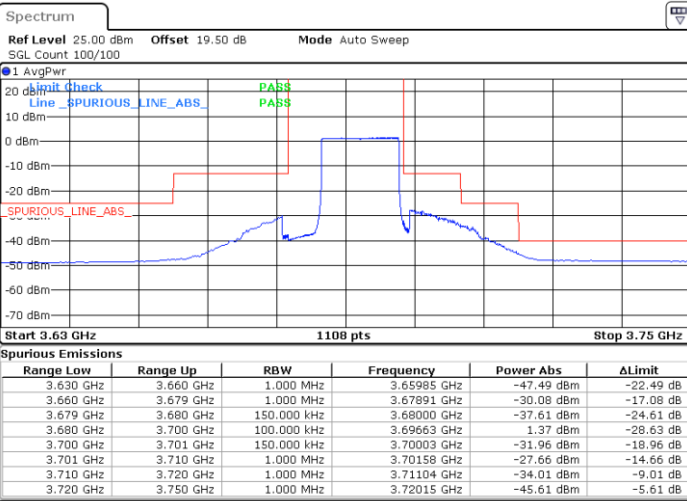


Date: 12.NOV.2024 14:00:37

Date: 12.NOV.2024 14:04:18

Highest Channel / FullRB

N/A



Date: 12.NOV.2024 14:07:58

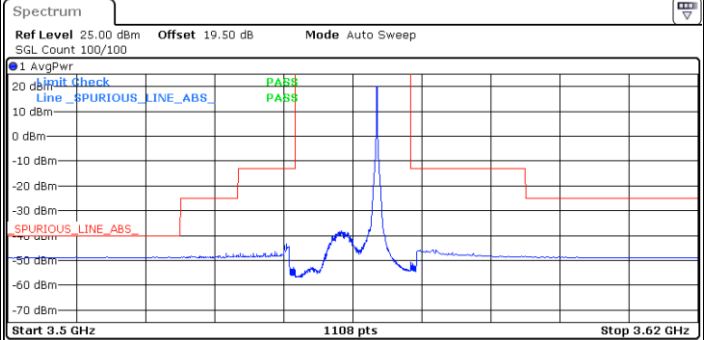
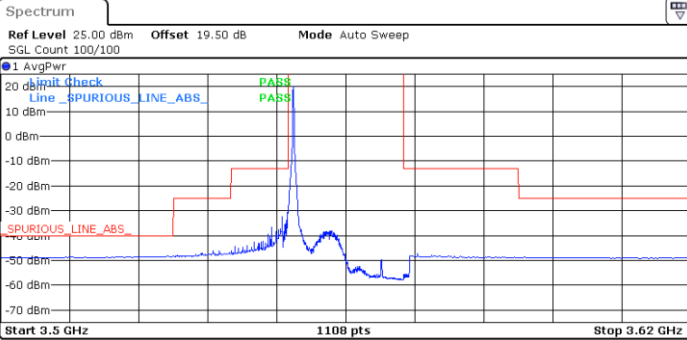


LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52926 GHz	-48.24 dBm	-8.24 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53797 GHz	-46.07 dBm	-21.07 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54887 GHz	-32.46 dBm	-19.46 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54996 GHz	-27.91 dBm	-14.91 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55082 GHz	20.08 dBm	-9.92 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57088 GHz	-55.40 dBm	-42.40 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57241 GHz	-47.22 dBm	-34.22 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59104 GHz	-48.73 dBm	-23.73 dB

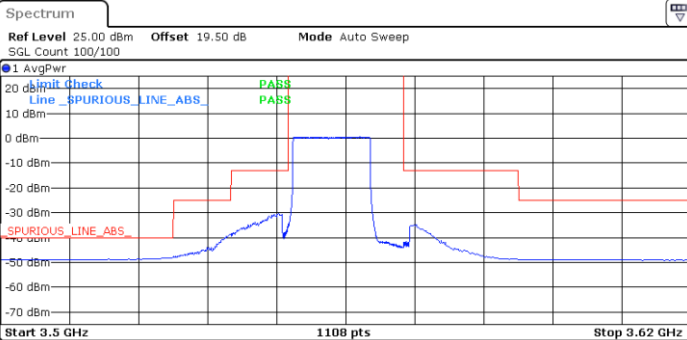
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52807 GHz	-48.67 dBm	-8.67 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53797 GHz	-47.12 dBm	-22.12 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54842 GHz	-43.40 dBm	-30.40 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54901 GHz	-52.68 dBm	-39.68 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56419 GHz	19.92 dBm	-10.08 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57004 GHz	-50.72 dBm	-37.72 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57392 GHz	-45.66 dBm	-32.66 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59045 GHz	-48.52 dBm	-23.52 dB

Date: 12.NOV.2024 13:46:01

Date: 12.NOV.2024 13:52:05

Lowest Channel / FullRB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52955 GHz	-48.12 dBm	-8.12 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53975 GHz	-38.56 dBm	-13.56 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54824 GHz	-30.35 dBm	-17.35 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.55000 GHz	-34.56 dBm	-21.56 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56244 GHz	0.54 dBm	-29.46 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57054 GHz	-41.72 dBm	-28.72 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57185 GHz	-34.95 dBm	-21.95 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59342 GHz	-48.77 dBm	-23.77 dB

Date: 12.NOV.2024 13:53:18

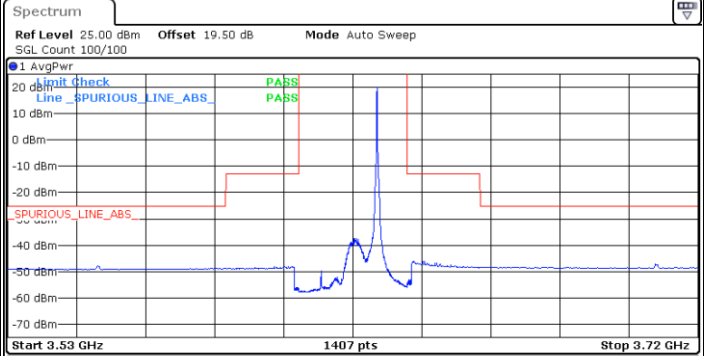
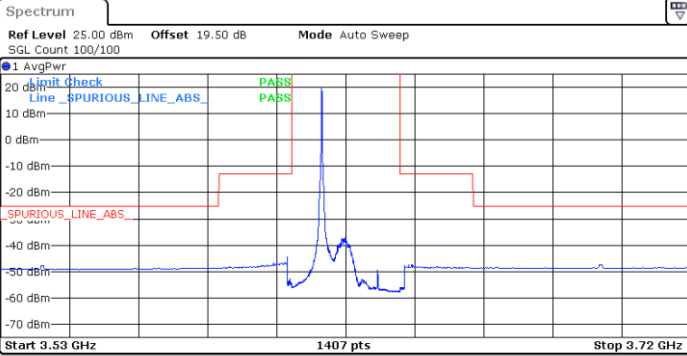


LTE Band 48 / 15MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.54179 GHz	-47.81 dBm	-22.81 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60891 GHz	-44.60 dBm	-31.60 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60952 GHz	-52.58 dBm	-39.58 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61836 GHz	19.96 dBm	-10.04 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64021 GHz	-55.00 dBm	-43.00 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64241 GHz	-47.35 dBm	-34.35 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.69478 GHz	-47.50 dBm	-22.50 dB

Spurious Emissions

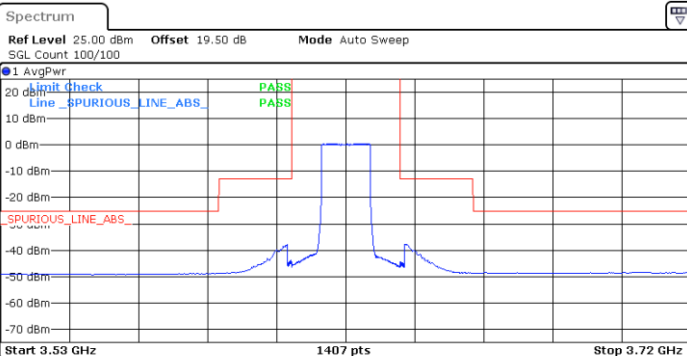
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.55493 GHz	-47.90 dBm	-22.90 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60815 GHz	-47.94 dBm	-34.94 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60959 GHz	-55.98 dBm	-42.98 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63164 GHz	20.04 dBm	-9.96 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64079 GHz	-53.06 dBm	-40.06 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64467 GHz	-46.07 dBm	-33.07 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.70821 GHz	-47.21 dBm	-22.21 dB

Date: 12.NOV.2024 16:39:26

Date: 12.NOV.2024 16:31:35

Middle Channel / FullIRB

N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58985 GHz	-48.80 dBm	-23.80 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60891 GHz	-37.86 dBm	-24.86 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60990 GHz	-43.87 dBm	-30.87 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63074 GHz	0.45 dBm	-29.55 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64005 GHz	-44.35 dBm	-31.35 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64147 GHz	-37.64 dBm	-24.64 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.71806 GHz	-48.46 dBm	-23.46 dB

Date: 12.NOV.2024 16:30:01

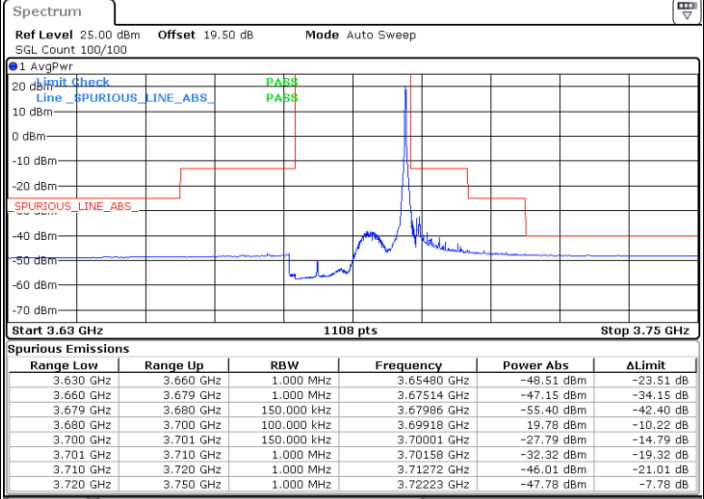
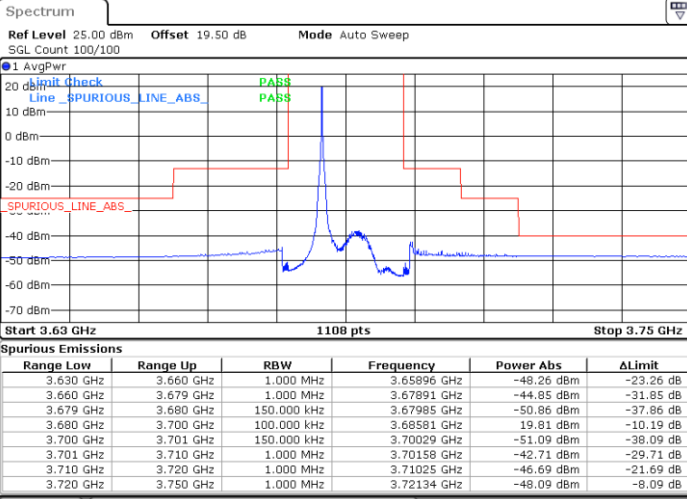


LTE Band 48 / 15MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

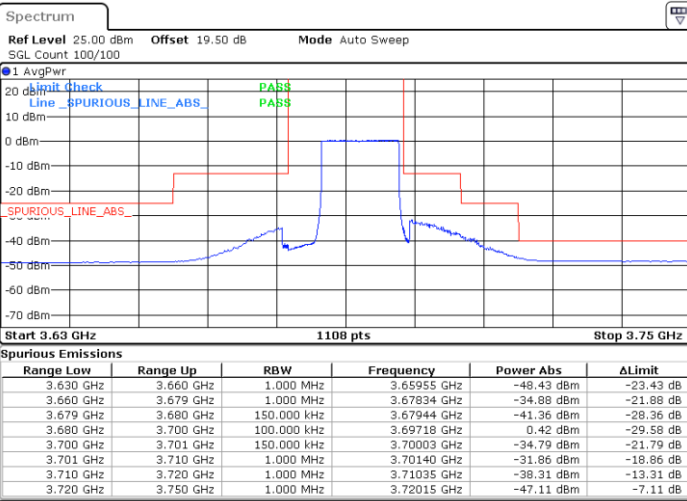


Date: 12.NOV.2024 13:59:24

Date: 12.NOV.2024 14:05:31

Highest Channel / FullRB

N/A



Date: 12.NOV.2024 14:06:45

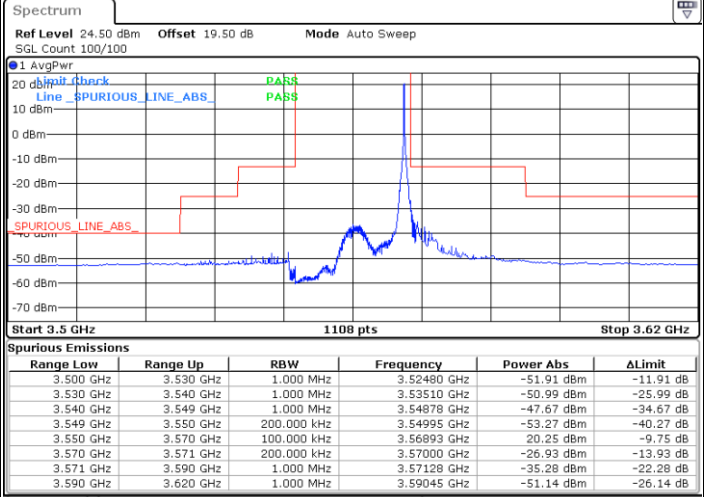
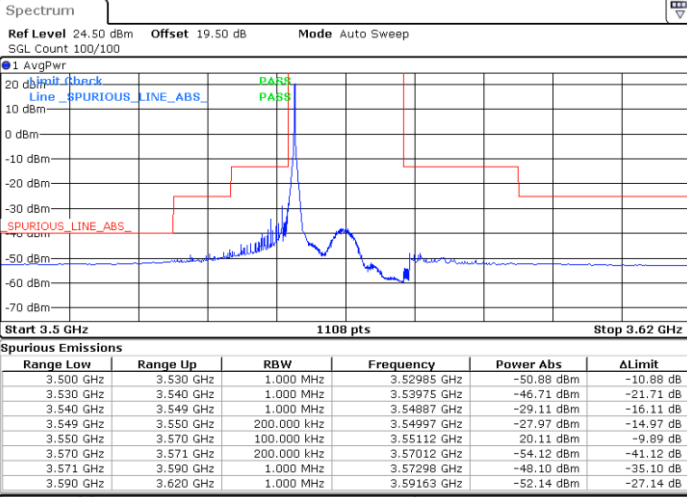


LTE Band 48 / 20MHz

QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

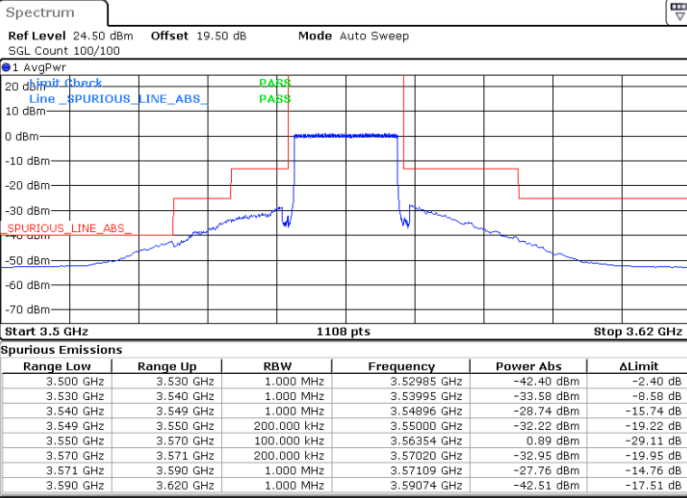


Date: 12.NOV.2024 14:11:41

Date: 12.NOV.2024 14:18:28

Lowest Channel / FullIRB

N/A



Date: 12.NOV.2024 14:19:40

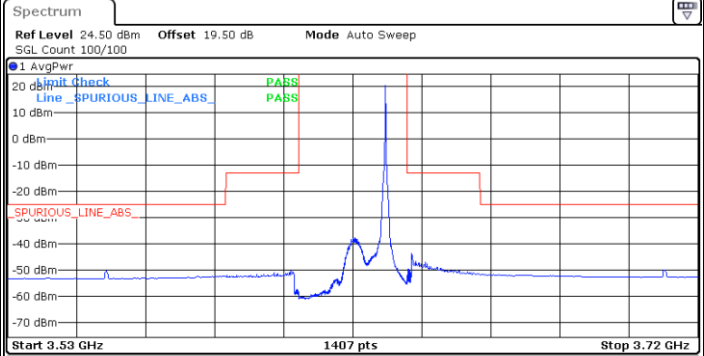
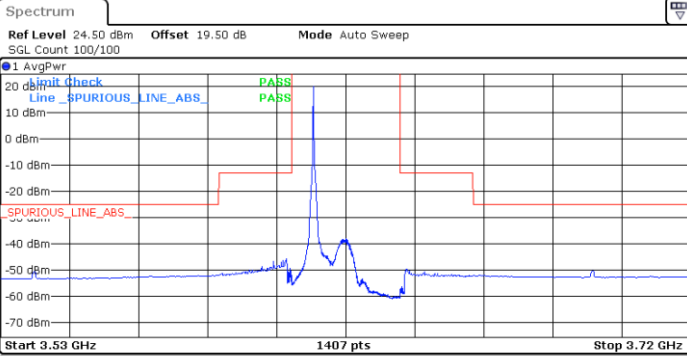


LTE Band 48 / 20MHz

QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.53910 GHz	-50.60 dBm	-25.60 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60872 GHz	-45.74 dBm	-32.74 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60964 GHz	-49.27 dBm	-36.27 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61611 GHz	19.89 dBm	-10.11 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64032 GHz	-55.32 dBm	-43.32 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64185 GHz	-49.49 dBm	-36.49 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.69269 GHz	-50.10 dBm	-25.10 dB

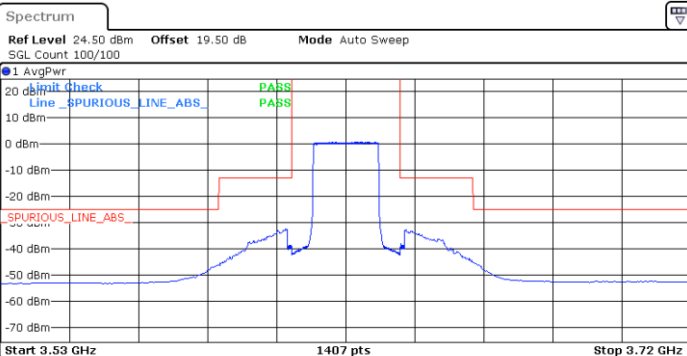
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.55731 GHz	-50.38 dBm	-25.38 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60797 GHz	-50.32 dBm	-37.32 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60964 GHz	-57.23 dBm	-44.23 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63394 GHz	20.21 dBm	-9.79 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64020 GHz	-49.52 dBm	-36.52 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64109 GHz	-43.69 dBm	-30.69 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.71050 GHz	-49.81 dBm	-24.81 dB

Date: 12.NOV.2024 17:17:54

Date: 12.NOV.2024 17:10:06

Middle Channel / FullRB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58985 GHz	-46.00 dBm	-21.00 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60853 GHz	-32.46 dBm	-19.46 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60946 GHz	-38.49 dBm	-25.49 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62814 GHz	0.56 dBm	-29.44 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64006 GHz	-38.10 dBm	-25.10 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64147 GHz	-32.78 dBm	-19.78 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66015 GHz	-45.11 dBm	-20.11 dB

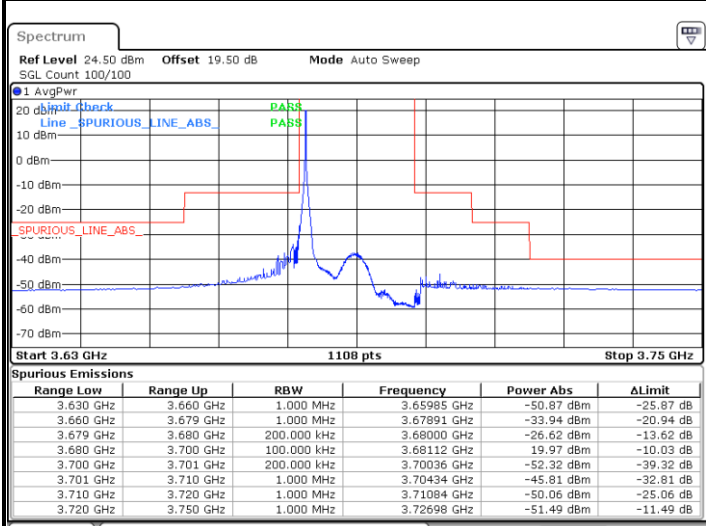
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LTE Band 48 / 20MHz

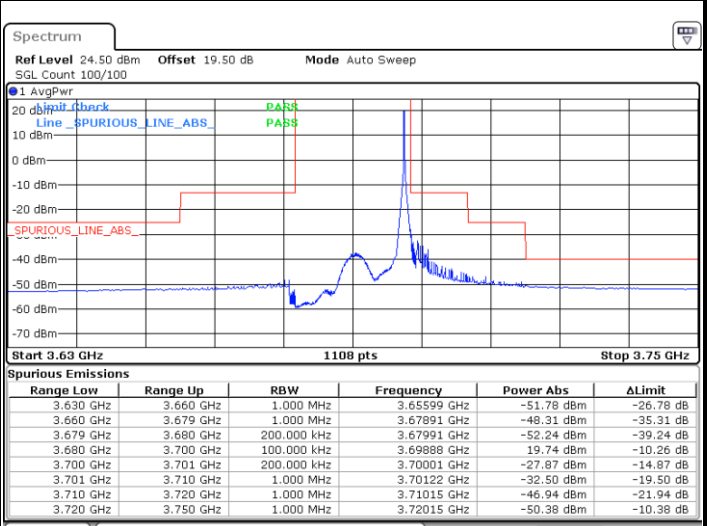
QPSK

Highest Channel / 1RB0



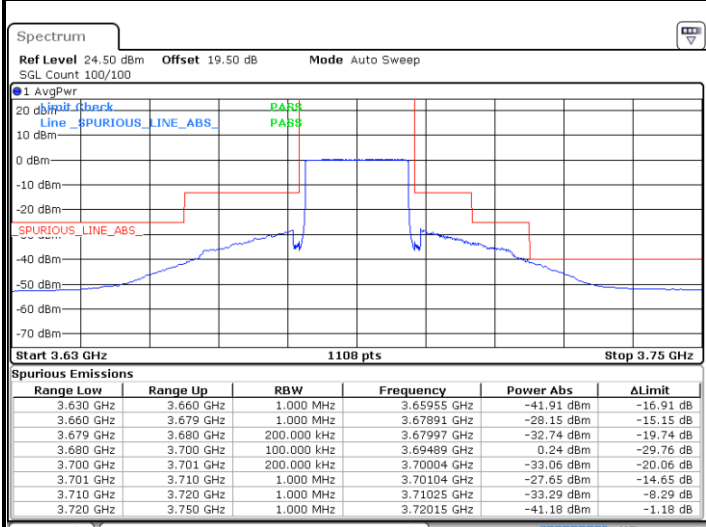
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Highest Channel / 1RBmax



Date: 12.NOV.2024 14:31:49

Highest Channel / FullRB



Date: 12.NOV.2024 14:33:01

N/A

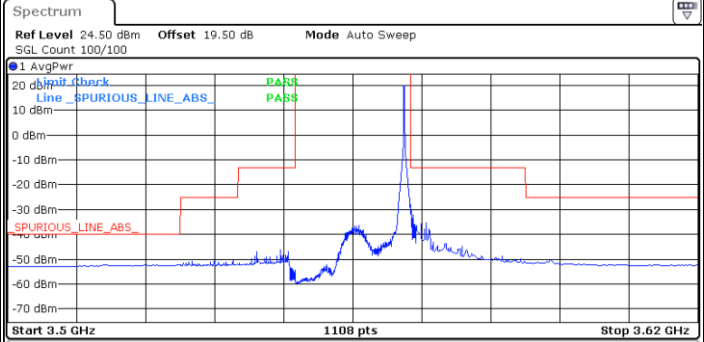
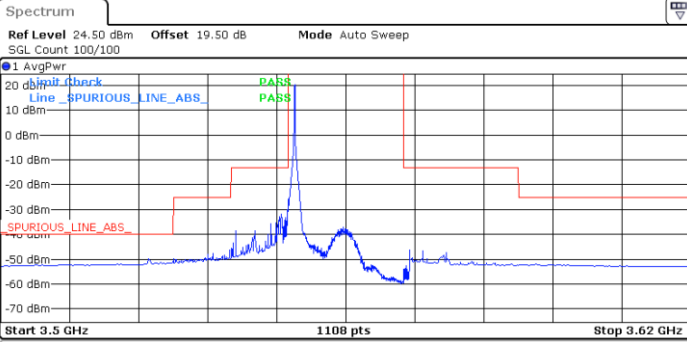


LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52569 GHz	-49.97 dBm	-9.97 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53985 GHz	-46.34 dBm	-21.34 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54878 GHz	-31.75 dBm	-18.75 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.55000 GHz	-25.78 dBm	-12.78 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55112 GHz	20.34 dBm	-9.66 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57050 GHz	-52.47 dBm	-39.47 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-46.33 dBm	-33.33 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59312 GHz	-52.05 dBm	-27.05 dB

Spurious Emissions

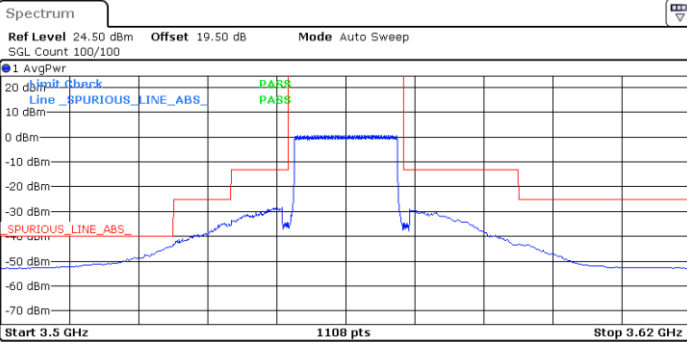
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52985 GHz	-52.11 dBm	-12.11 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53926 GHz	-50.41 dBm	-25.41 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54735 GHz	-46.43 dBm	-33.43 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54909 GHz	-52.85 dBm	-39.85 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56888 GHz	20.05 dBm	-9.95 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57003 GHz	-27.92 dBm	-14.92 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57279 GHz	-35.30 dBm	-22.30 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59431 GHz	-50.31 dBm	-25.31 dB

Date: 12.NOV.2024 14:12:54

Date: 12.NOV.2024 14:17:15

Lowest Channel / FullRB

N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52985 GHz	-44.31 dBm	-4.31 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53886 GHz	-34.67 dBm	-9.67 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54887 GHz	-28.18 dBm	-15.18 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54982 GHz	-34.37 dBm	-21.37 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56269 GHz	0.67 dBm	-29.33 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57005 GHz	-34.64 dBm	-21.64 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-29.05 dBm	-16.05 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59015 GHz	-43.23 dBm	-18.23 dB

Date: 12.NOV.2024 14:20:53

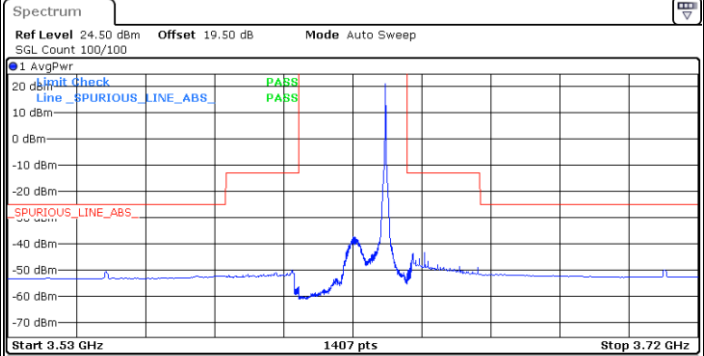
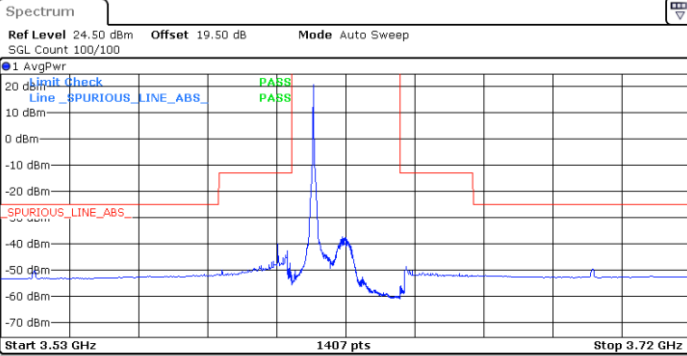


LTE Band 48 / 20MHz

16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.53910 GHz	-50.30 dBm	-25.30 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60627 GHz	-39.91 dBm	-26.91 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60960 GHz	-47.22 dBm	-34.22 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61611 GHz	20.36 dBm	-9.64 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64022 GHz	-55.92 dBm	-42.92 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64147 GHz	-48.49 dBm	-35.49 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.69269 GHz	-49.59 dBm	-24.59 dB

Spurious Emissions

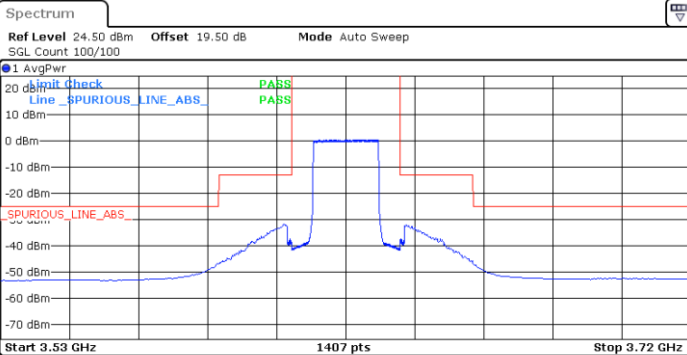
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.55731 GHz	-50.49 dBm	-25.49 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60815 GHz	-49.95 dBm	-36.95 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60999 GHz	-56.34 dBm	-43.34 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63094 GHz	20.88 dBm	-9.12 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64087 GHz	-47.11 dBm	-34.11 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64467 GHz	-43.12 dBm	-30.12 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.71060 GHz	-49.80 dBm	-24.80 dB

Date: 12.NOV.2024 17:16:20

Date: 12.NOV.2024 17:11:40

Middle Channel / FullIRB

N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58955 GHz	-46.58 dBm	-21.58 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60797 GHz	-31.71 dBm	-18.71 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60962 GHz	-37.94 dBm	-24.94 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62750 GHz	0.40 dBm	-29.60 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64013 GHz	-37.38 dBm	-24.38 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64147 GHz	-32.07 dBm	-19.07 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66015 GHz	-46.86 dBm	-21.86 dB

Date: 12.NOV.2024 17:06:59

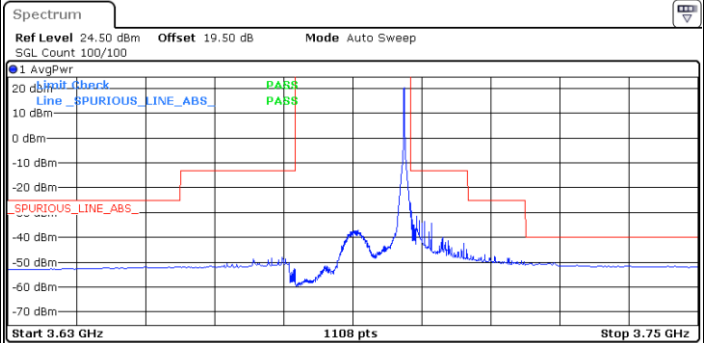
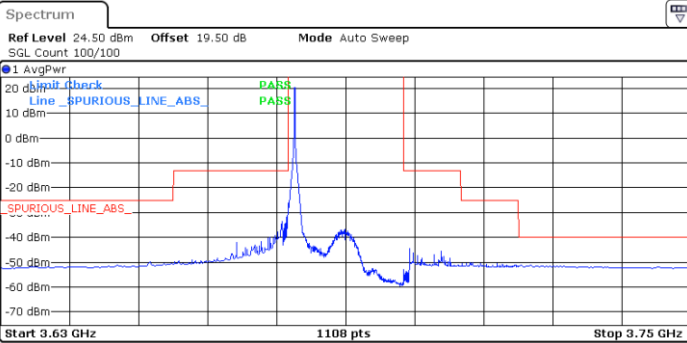


LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65599 GHz	-49.95 dBm	-24.95 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-33.51 dBm	-20.51 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.68000 GHz	-26.23 dBm	-13.23 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68107 GHz	20.27 dBm	-9.73 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70002 GHz	-53.13 dBm	-40.13 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-44.35 dBm	-31.35 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71153 GHz	-50.06 dBm	-25.06 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72045 GHz	-51.16 dBm	-11.16 dB

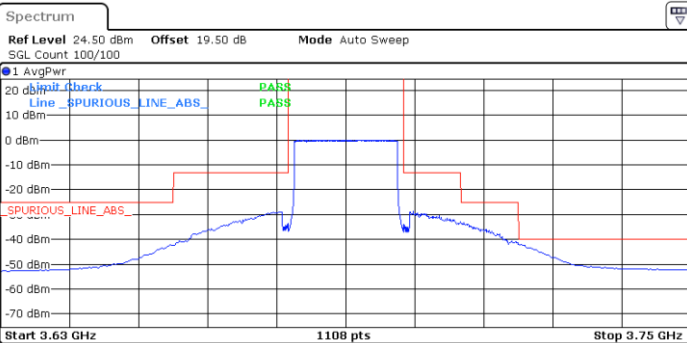
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65985 GHz	-51.81 dBm	-26.81 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67778 GHz	-48.21 dBm	-35.21 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67977 GHz	-52.61 dBm	-39.61 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69893 GHz	20.23 dBm	-9.77 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70002 GHz	-26.30 dBm	-13.30 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-31.63 dBm	-18.63 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71292 GHz	-47.00 dBm	-22.00 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72490 GHz	-50.03 dBm	-10.03 dB

Date: 12.NOV.2024 14:26:58

Date: 12.NOV.2024 14:30:36

Highest Channel / FullRB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65955 GHz	-42.11 dBm	-17.11 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67834 GHz	-28.93 dBm	-15.93 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67999 GHz	-33.74 dBm	-20.74 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69569 GHz	0.02 dBm	-29.98 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70000 GHz	-33.96 dBm	-20.96 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70167 GHz	-28.50 dBm	-15.50 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71045 GHz	-33.32 dBm	-8.32 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72045 GHz	-42.18 dBm	-2.18 dB

Date: 12.NOV.2024 14:34:14

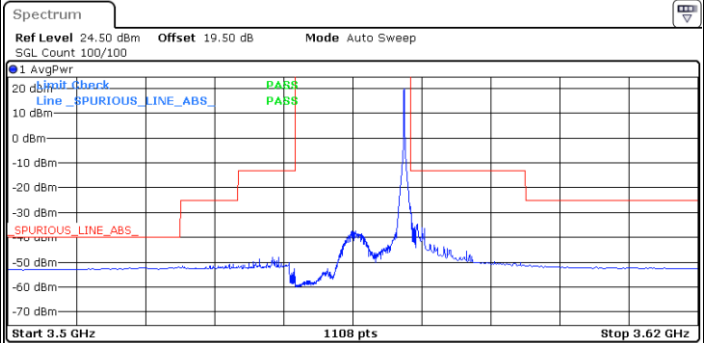
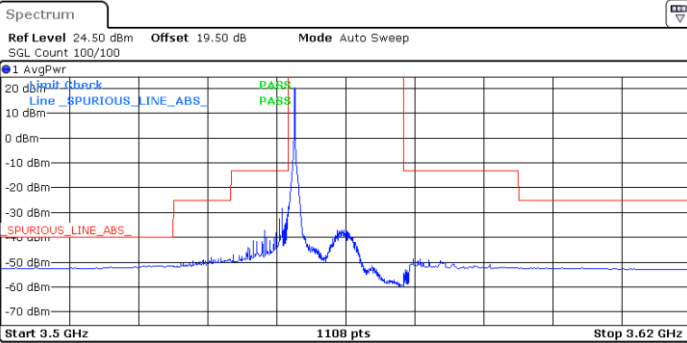


LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52777 GHz	-51.42 dBm	-11.42 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53658 GHz	-48.17 dBm	-23.17 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54896 GHz	-28.40 dBm	-15.40 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54997 GHz	-27.65 dBm	-14.65 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55107 GHz	20.27 dBm	-9.73 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57029 GHz	-53.07 dBm	-40.07 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57166 GHz	-48.75 dBm	-35.75 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59490 GHz	-52.11 dBm	-27.11 dB

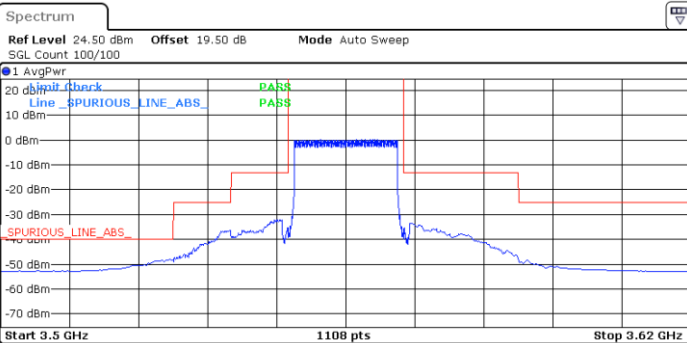
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52985 GHz	-52.04 dBm	-12.04 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53916 GHz	-50.87 dBm	-25.87 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54717 GHz	-47.94 dBm	-34.94 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54988 GHz	-52.69 dBm	-39.69 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56893 GHz	19.92 dBm	-10.08 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57000 GHz	-27.55 dBm	-14.55 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57128 GHz	-34.75 dBm	-21.75 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59074 GHz	-51.30 dBm	-26.30 dB

Date: 12.NOV.2024 14:14:50

Date: 12.NOV.2024 14:16:03

Lowest Channel / FullRB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52955 GHz	-48.20 dBm	-8.20 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53985 GHz	-36.26 dBm	-11.26 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54842 GHz	-32.21 dBm	-19.21 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.55000 GHz	-35.51 dBm	-22.51 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56544 GHz	0.13 dBm	-29.87 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57011 GHz	-35.46 dBm	-22.46 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-33.52 dBm	-20.52 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59163 GHz	-48.49 dBm	-23.49 dB

Date: 12.NOV.2024 14:22:05

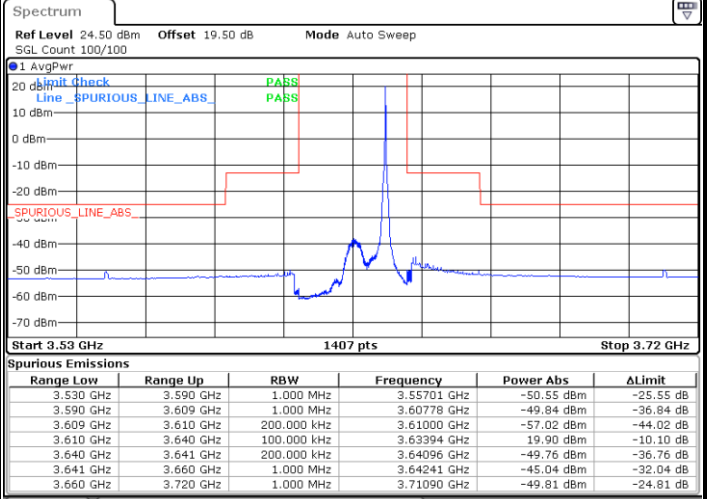
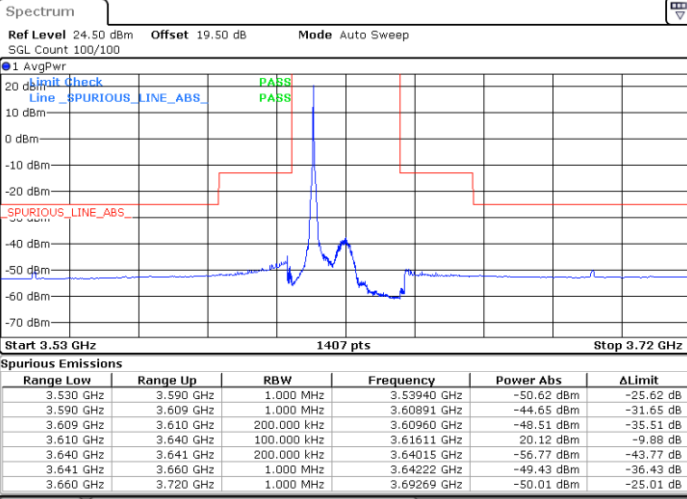


LTE Band 48 / 20MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

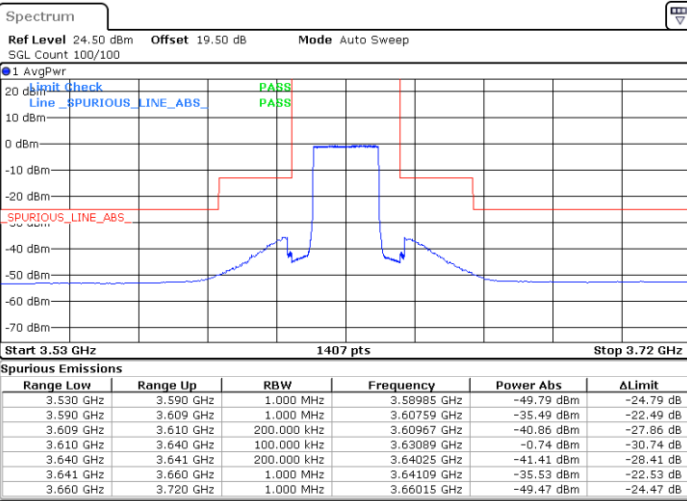


Date: 12.NOV.2024 17:14:47

Date: 12.NOV.2024 17:13:13

Middle Channel / FullIRB

N/A



Date: 12.NOV.2024 17:05:26

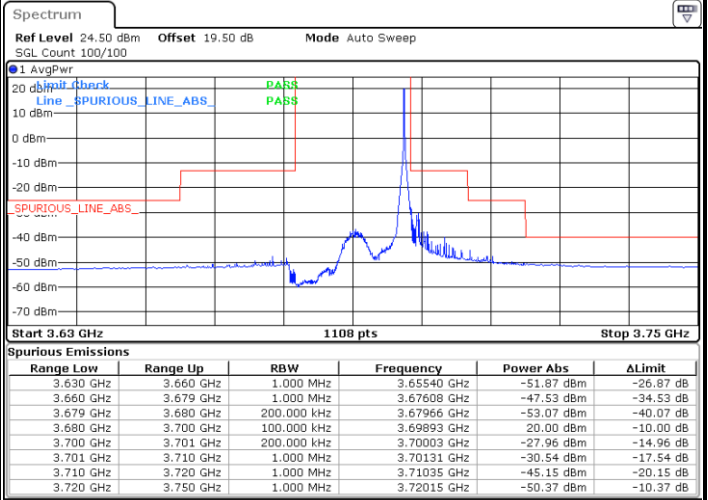
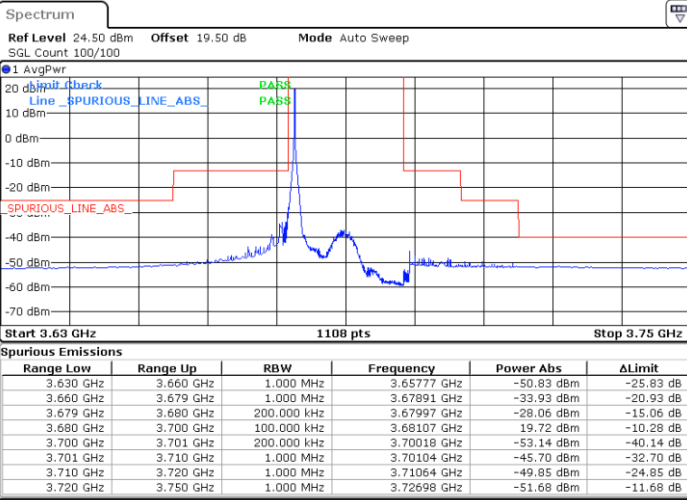


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

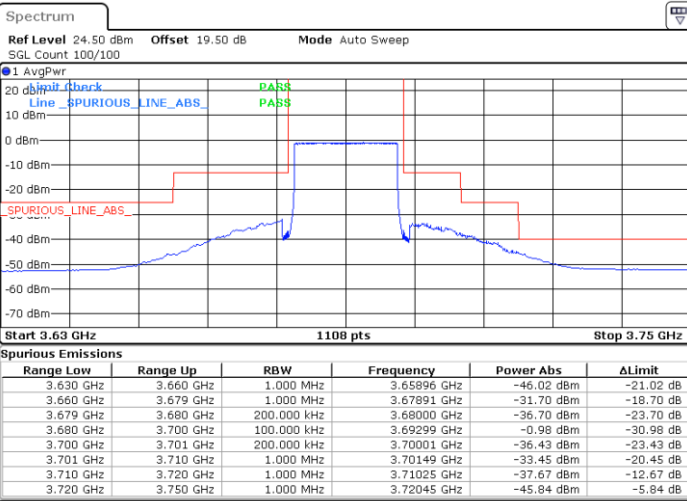


Date: 12.NOV.2024 14:28:11

Date: 12.NOV.2024 14:29:24

Highest Channel / FullRB

N/A



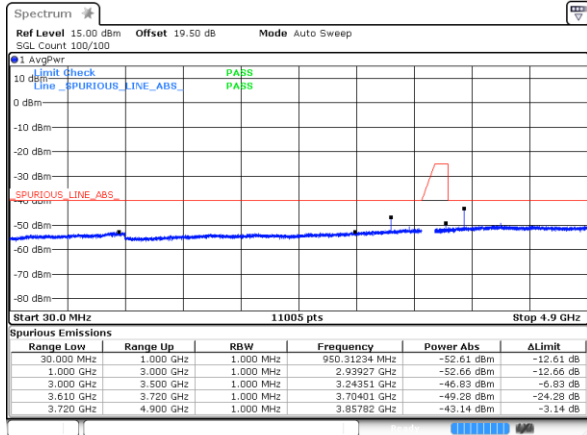
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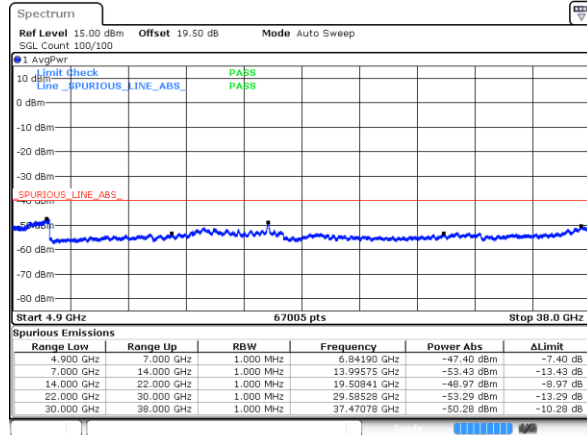
Conducted Spurious Emission

LTE Band 48 / 5MHz

Lowest Channel / QPSK

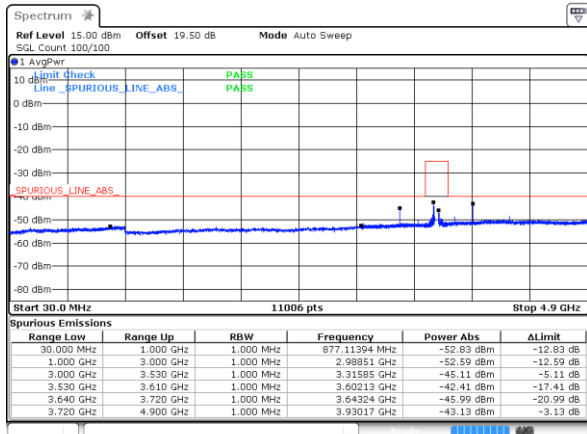


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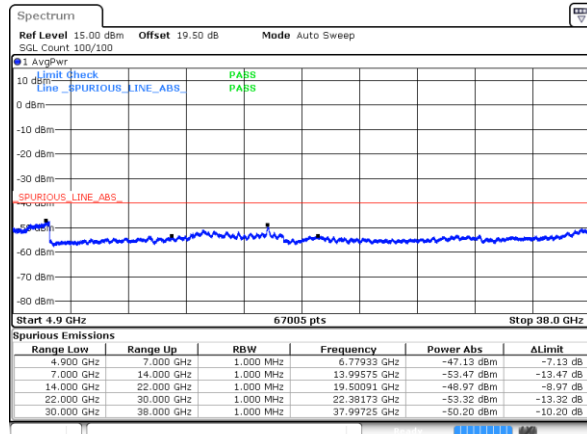


Date: 12 NOV 2024 15:28:22

Middle Channel / QPSK

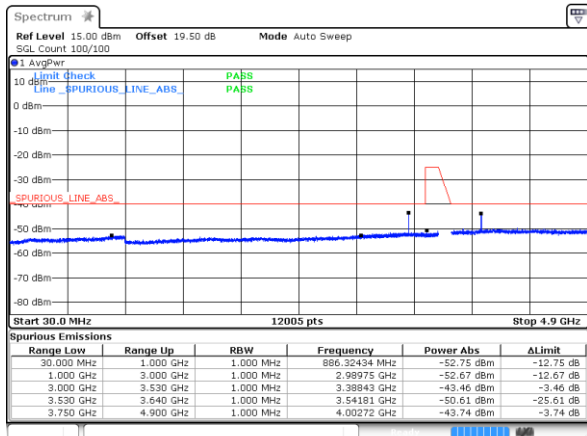


Date: 12 NOV 2024 14:48:38

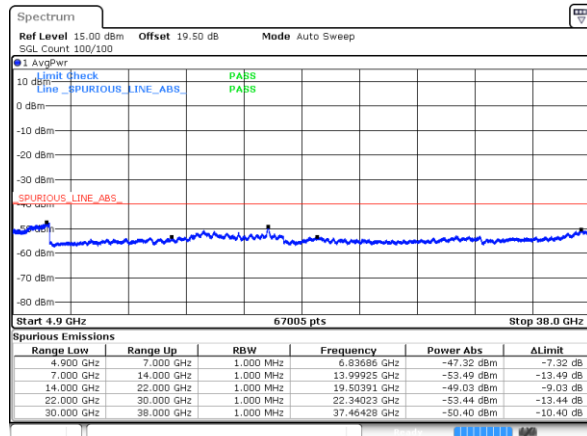


Date: 12 NOV 2024 15:36:10

Highest Channel / QPSK



Date: 12 NOV 2024 14:51:00

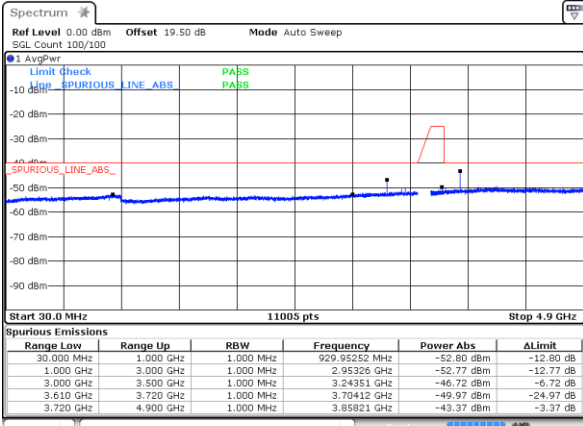


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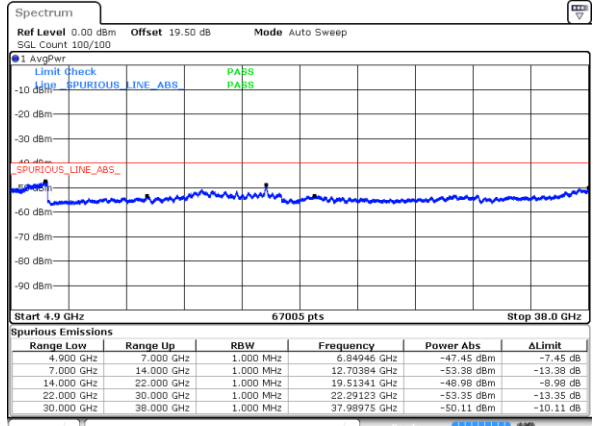


LTE Band 48 / 10MHz

Lowest Channel / QPSK

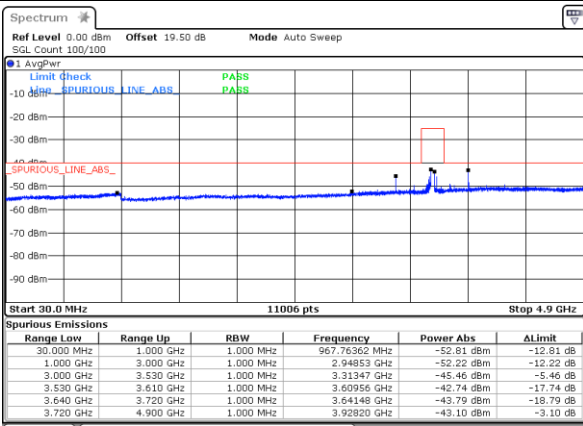


Date: 12 NOV 2024 14:52:37

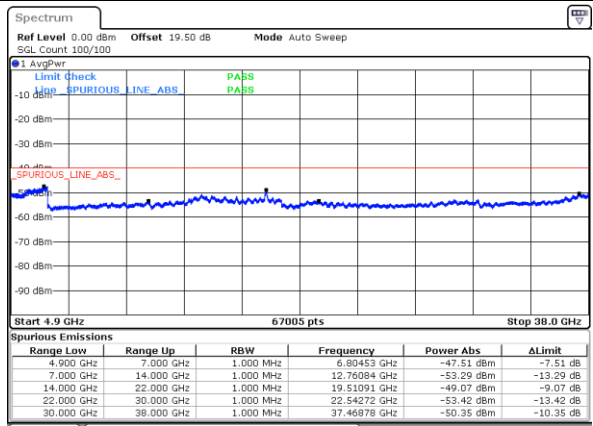


Date: 12 NOV 2024 15:52:55

Middle Channel / QPSK

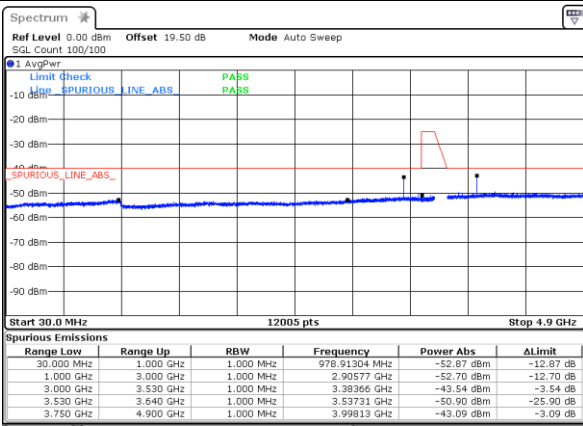


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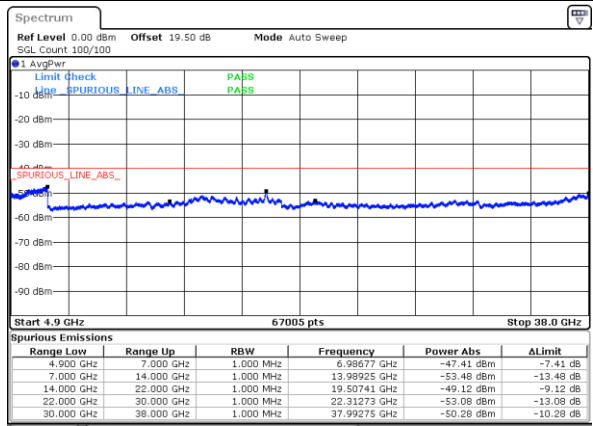


Date: 12 NOV 2024 16:00:57

Highest Channel / QPSK



Date: 12 NOV 2024 14:57:54

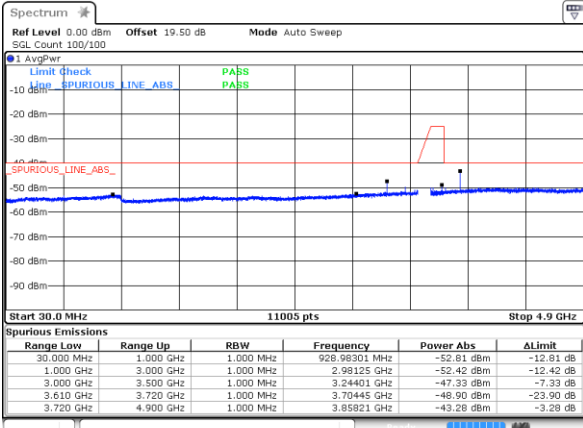


Date: 12 NOV 2024 16:09:10

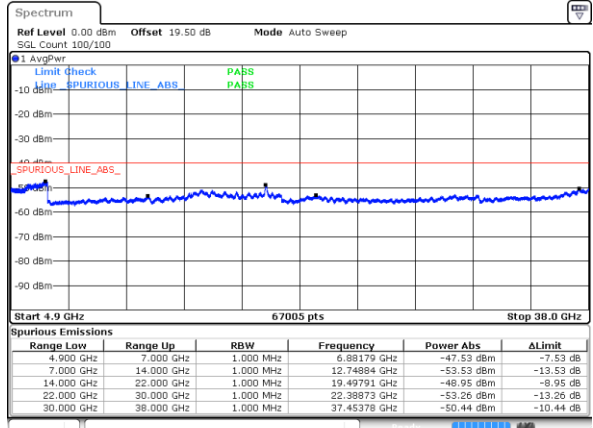


LTE Band 48 / 15MHz

Lowest Channel / QPSK

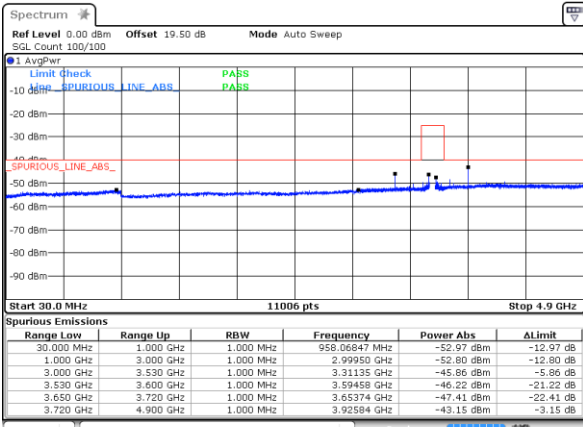


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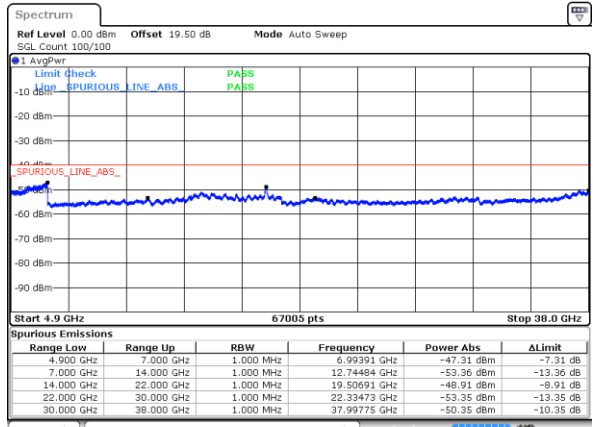


Date: 12 NOV 2024 16:18:45

Middle Channel / QPSK

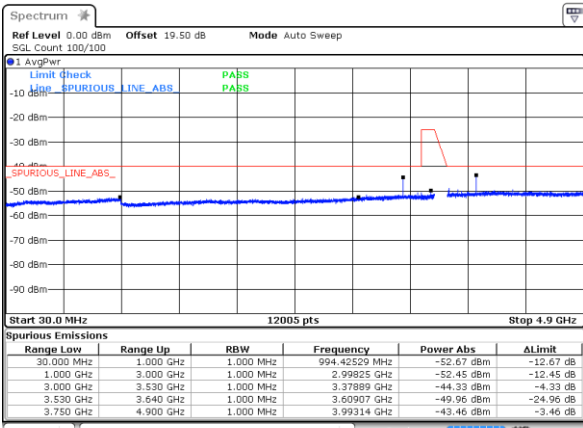


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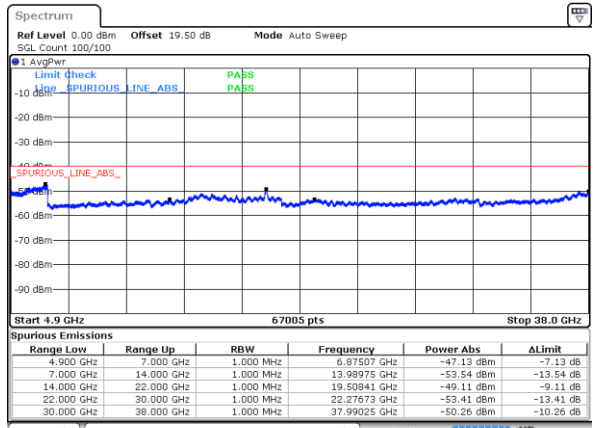


Date: 12 NOV 2024 16:40:42

Highest Channel / QPSK



Date: 12 NOV 2024 15:03:31

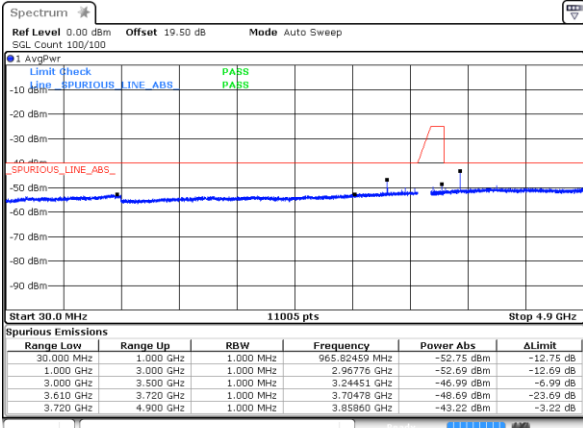


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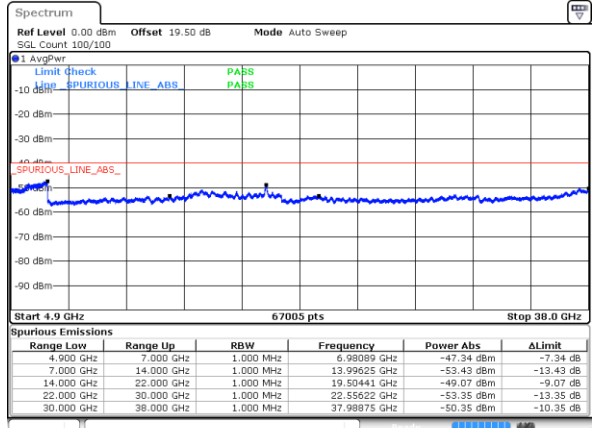


LTE Band 48 / 20MHz

Lowest Channel / QPSK

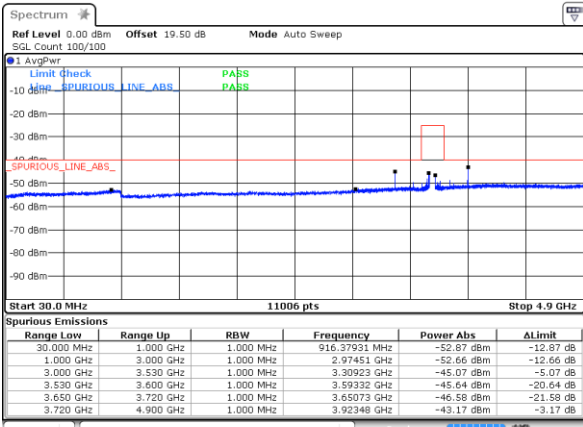


Date: 12 NOV 2024 15:05:52

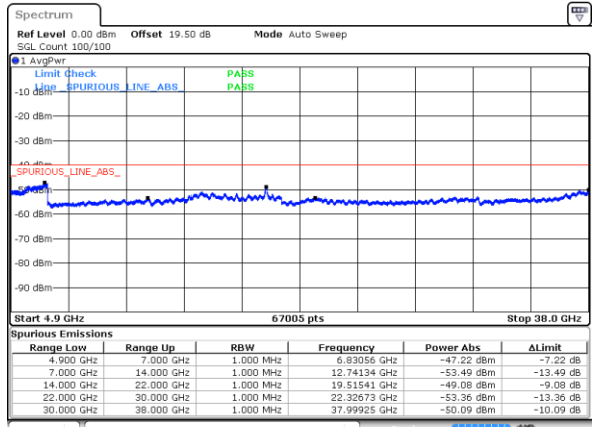


Date: 12 NOV 2024 16:57:25

Middle Channel / QPSK

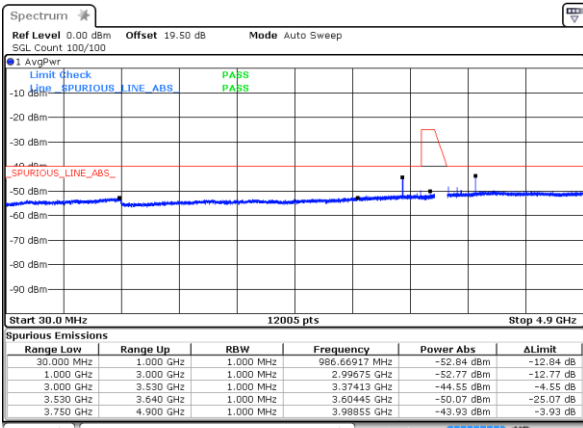


Date: 12 NOV 2024 15:11:37

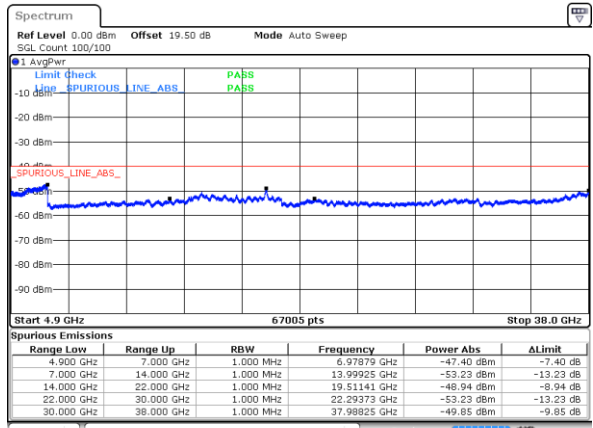


Date: 12 NOV 2024 17:18:58

Highest Channel / QPSK



Date: 12 NOV 2024 15:12:38



Date: 12 NOV 2024 17:26:45



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Frequency Offset (Δf) (Hz)	Result
50	Normal Voltage	4.3	PASS
40	Normal Voltage	-1.6	
30	Normal Voltage	2.9	
20(Ref.)	Normal Voltage	3.2	
10	Normal Voltage	2.4	
0	Normal Voltage	2.6	
-10	Normal Voltage	2.9	
-20	Normal Voltage	4.6	
-30	Normal Voltage	3.7	
20	Maximum Voltage	3.9	
20	Normal Voltage	3.2	
20	Battery End Point	4	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.5 V.
2. The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block or frequency block group.

$|\text{MAX}(\Delta f)| = 4.6\text{Hz}$

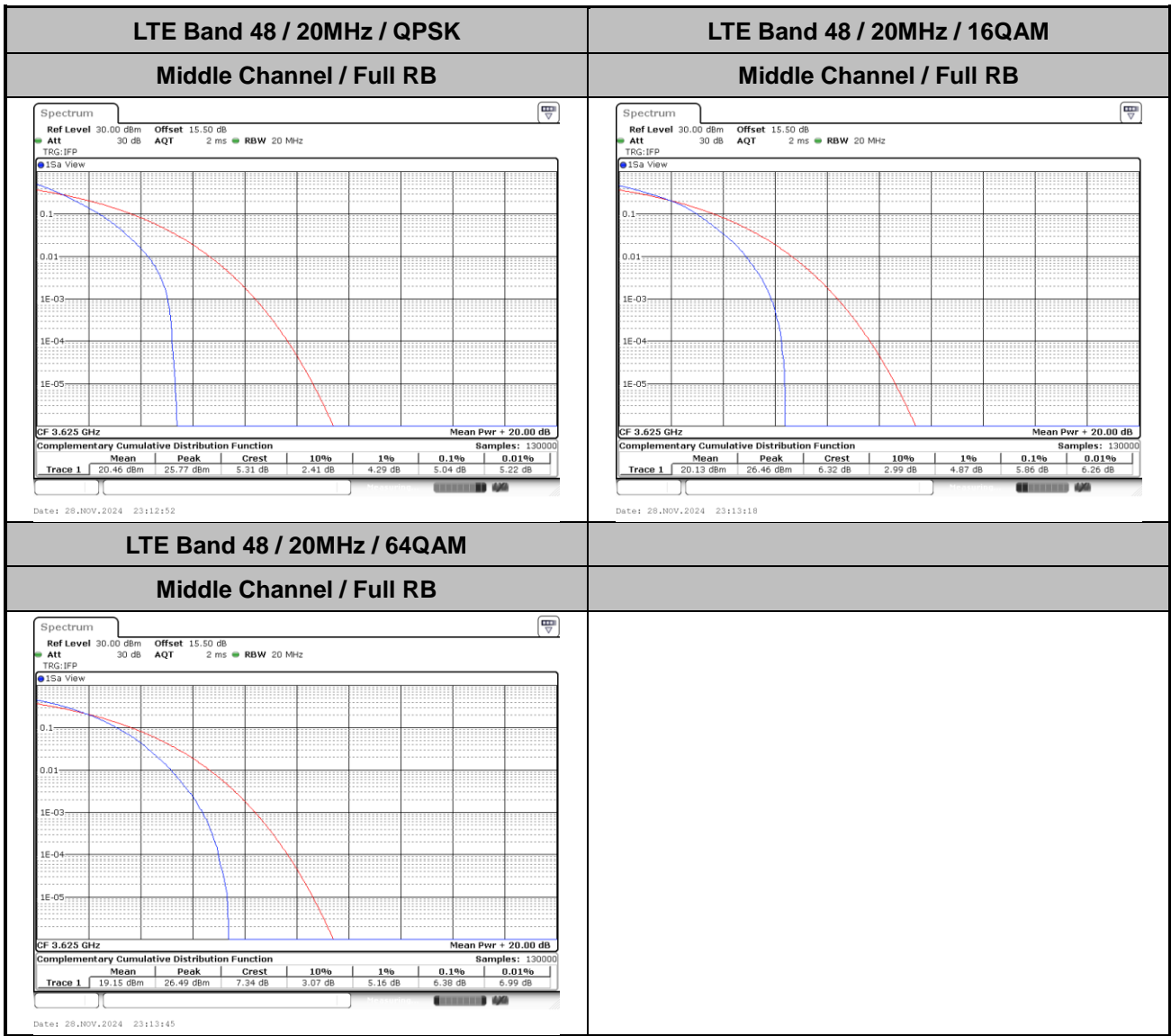
Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	3550.232295	$\geq 3550 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	3699.767705	$\leq 3700 \text{ MHz}$	



LTE Band 48(Other PA)

Peak-to-Average Ratio

Mode	LTE Band 48 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.04	5.86	6.38	PASS



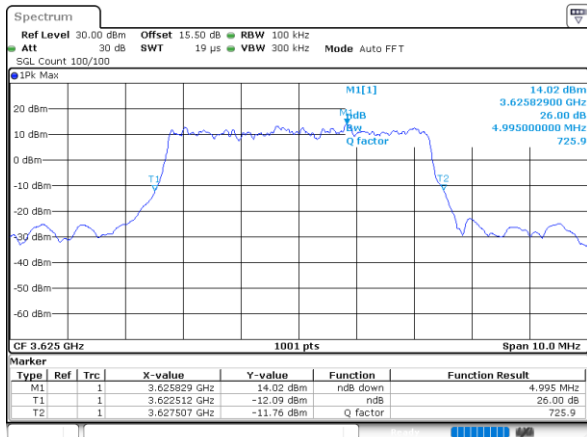


26dB Bandwidth

Mode	LTE Band 48 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.00	4.73	9.75	9.63	14.39	14.18	18.82	18.66

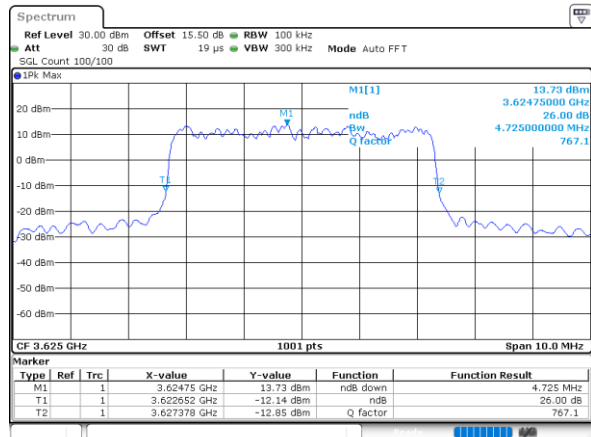
LTE Band 48

Middle Channel / 5MHz / QPSK



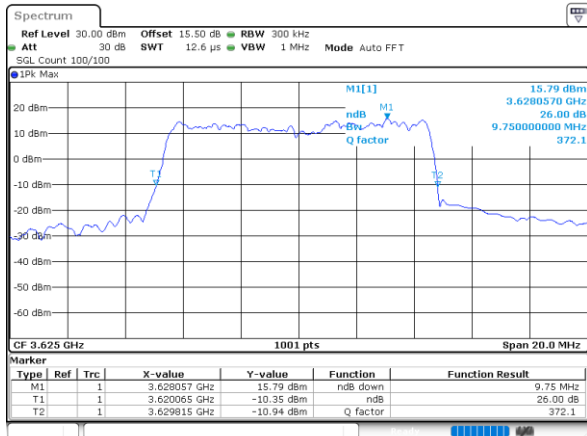
Date: 28.NOV.2024 20:34:17

Middle Channel / 5MHz / 16QAM



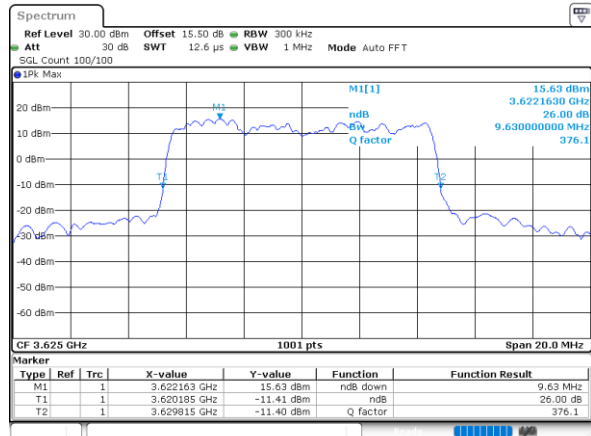
Date: 28.NOV.2024 20:34:46

Middle Channel / 10MHz / QPSK



Date: 28.NOV.2024 21:37:20

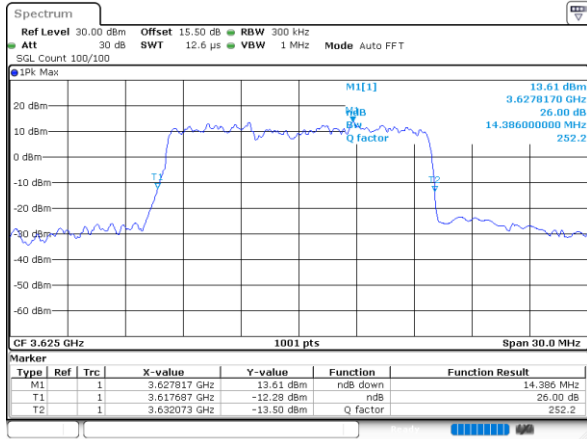
Middle Channel / 10MHz / 16QAM



Date: 28.NOV.2024 21:37:46

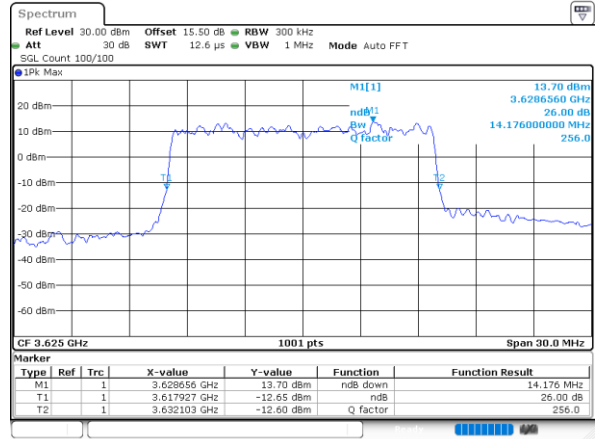


Middle Channel / 15MHz / QPSK



Date: 28.NOV.2024 22:24:07

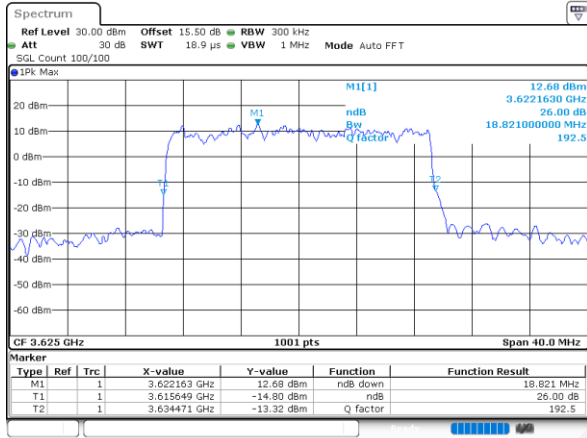
Middle Channel / 15MHz / 16QAM



Date: 28.NOV.2024 22:24:33

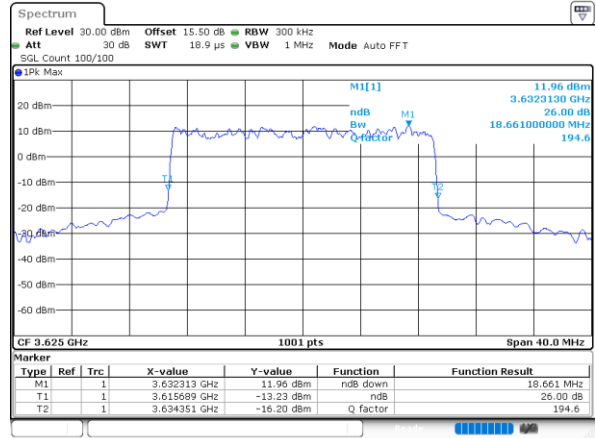
LTE Band 48

Middle Channel / 20MHz / QPSK



Date: 28.NOV.2024 23:11:23

Middle Channel / 20MHz / 16QAM

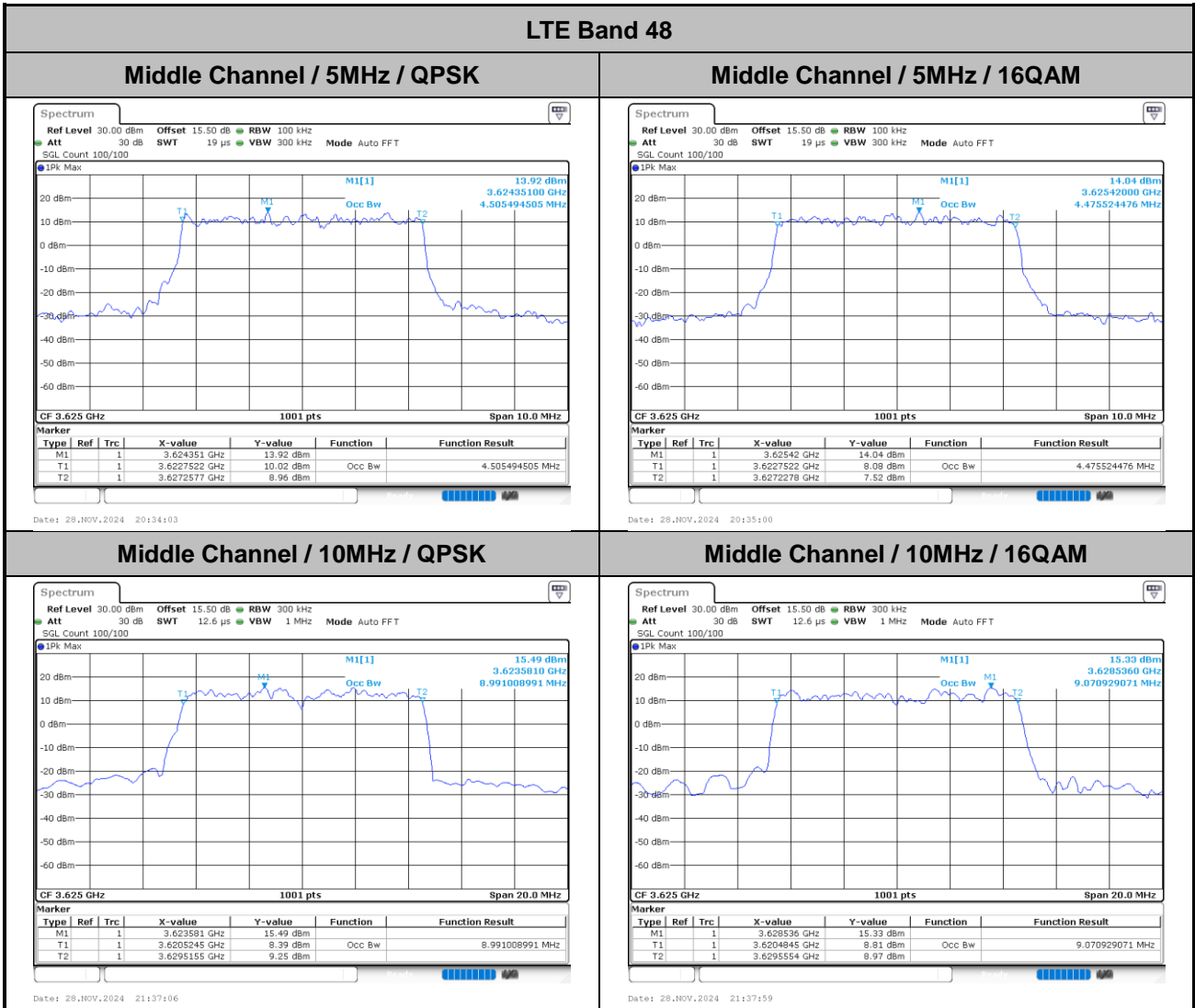


Date: 28.NOV.2024 23:10:57



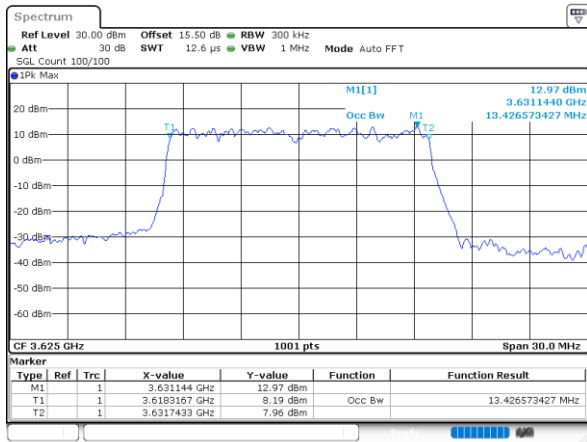
Occupied Bandwidth

Mode	LTE Band 48 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	1.4MHz	1.4MHz	3MHz	3MHz	5MHz	5MHz	10MHz	10MHz	15MHz	15MHz	20MHz	20MHz
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.51	4.48	8.99	9.07	13.43	13.52	17.82	17.82



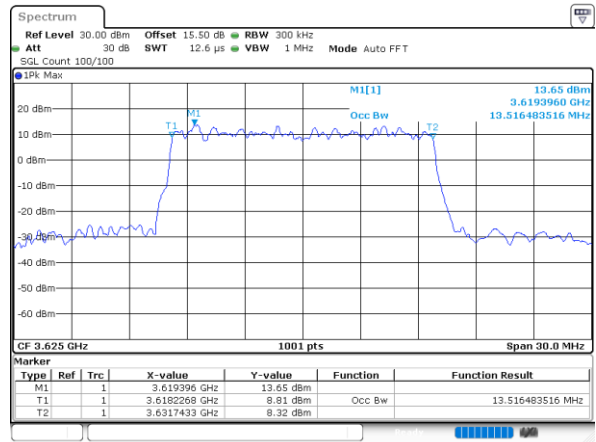


Middle Channel / 15MHz / QPSK



Date: 28.NOV.2024 22:23:54

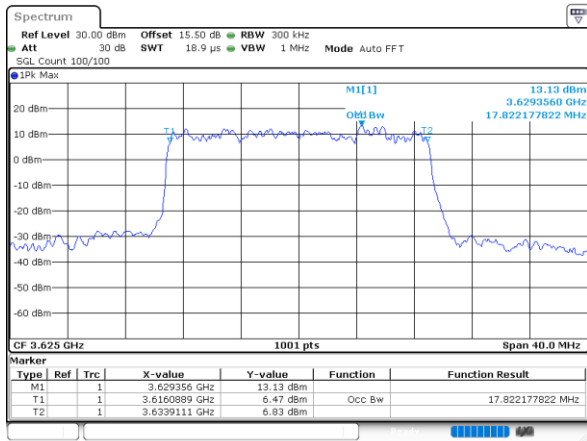
Middle Channel / 15MHz / 16QAM



Date: 28.NOV.2024 22:24:47

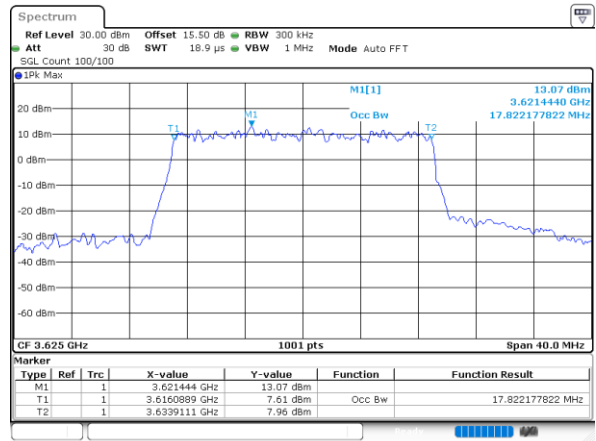
LTE Band 48

Middle Channel / 20MHz / QPSK



Date: 28.NOV.2024 23:11:37

Middle Channel / 20MHz / 16QAM



Date: 28.NOV.2024 23:10:44



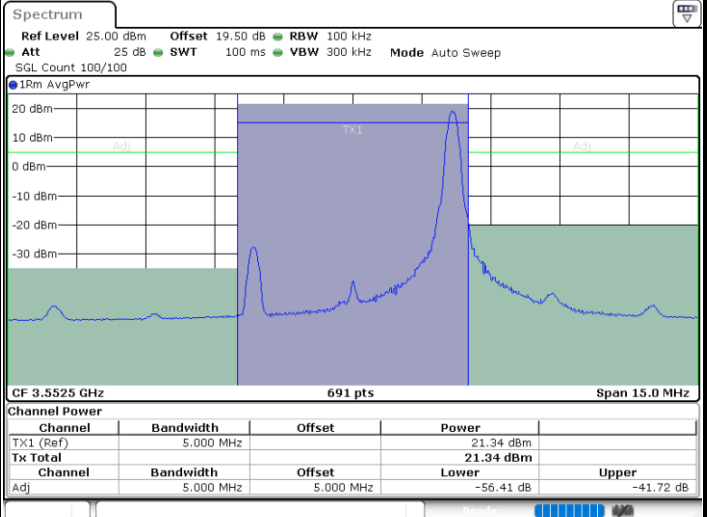
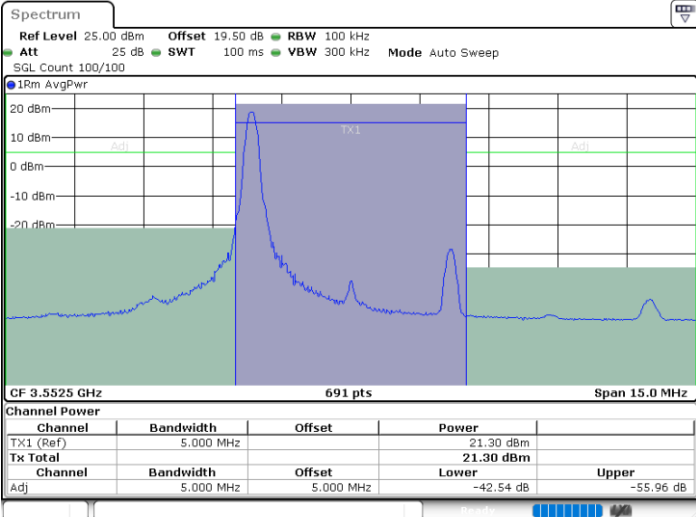
ACLR

LTE Band 48 / 5MHz

QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

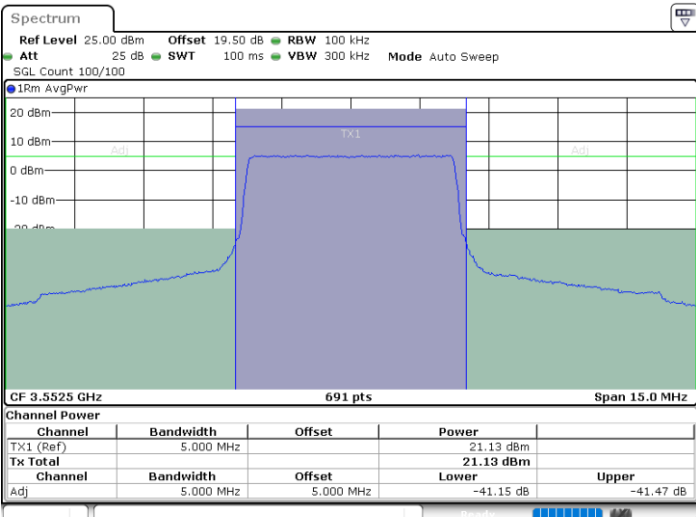


Date: 28.NOV.2024 19:59:58

Date: 28.NOV.2024 20:00:45

Lowest Channel / FullIRB

N/A



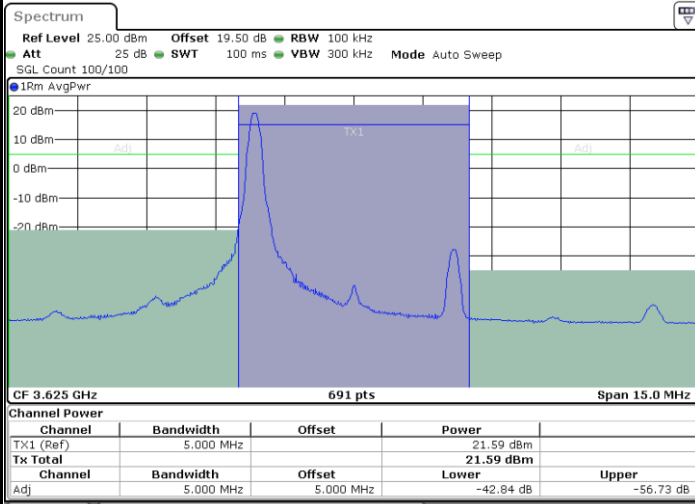
Date: 28.NOV.2024 19:55:59



LTE Band 48 / 5MHz

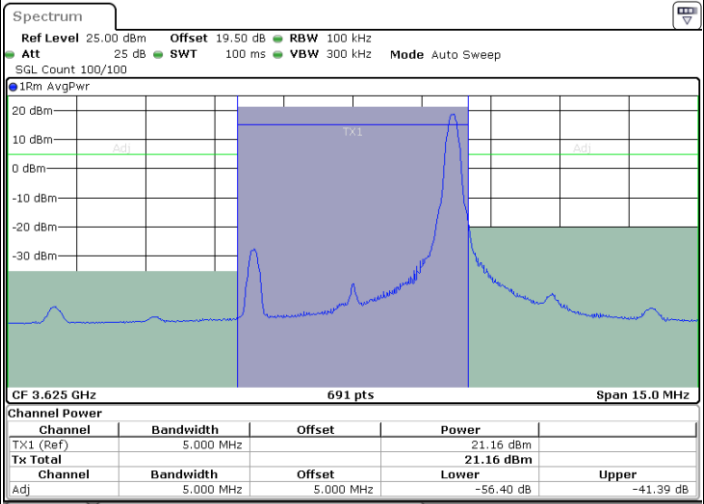
QPSK

Middle Channel / 1RB0



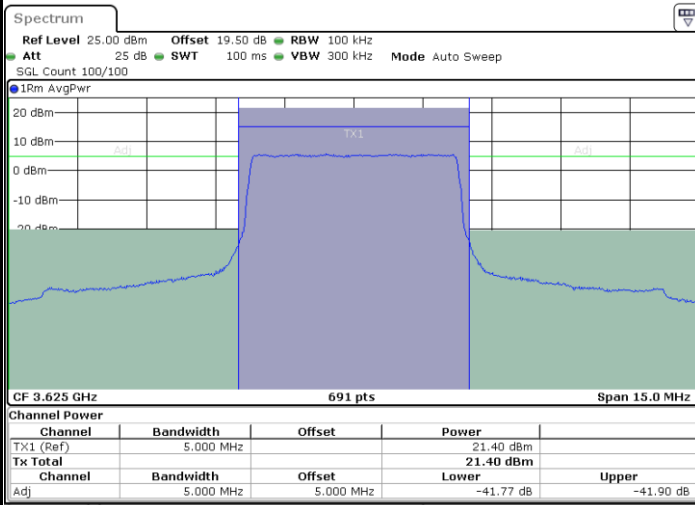
Date: 28.NOV.2024 20:18:10

Middle Channel / 1RBmax



Date: 28.NOV.2024 20:17:23

Middle Channel / FullRB



Date: 28.NOV.2024 20:22:09

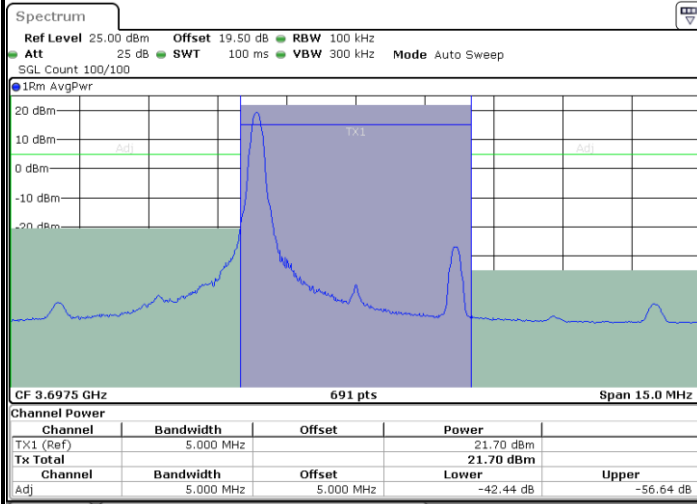
N/A



LTE Band 48 / 5MHz

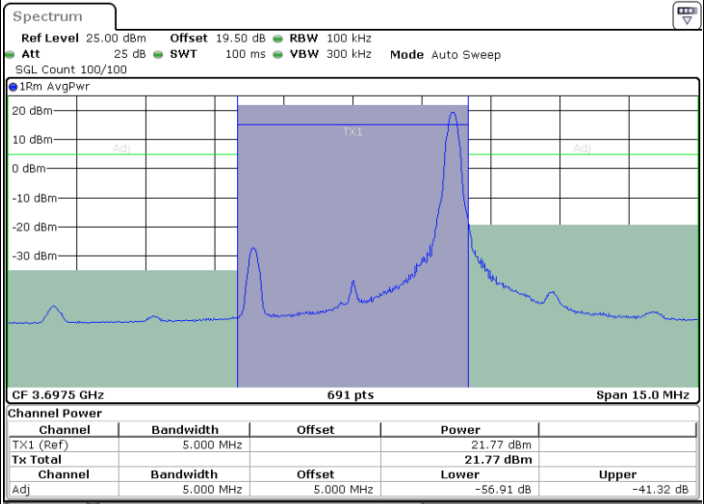
QPSK

Highest Channel / 1RB0



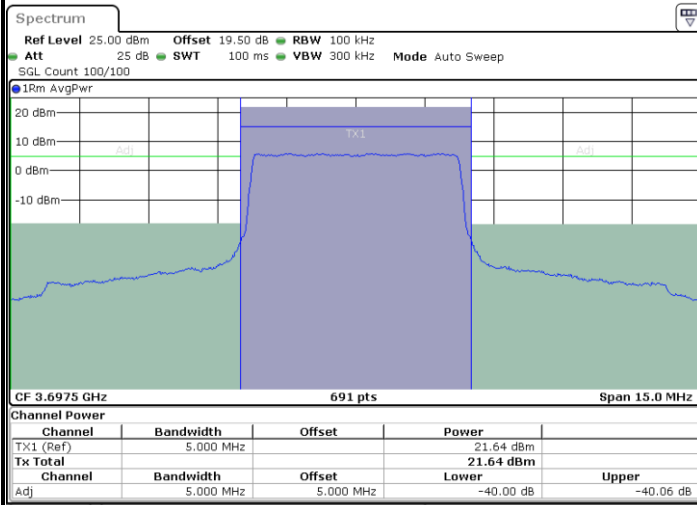
Date: 28.NOV.2024 20:41:21

Highest Channel / 1RBmax



Date: 28.NOV.2024 20:40:33

Highest Channel / FullRB



Date: 28.NOV.2024 20:36:38

N/A

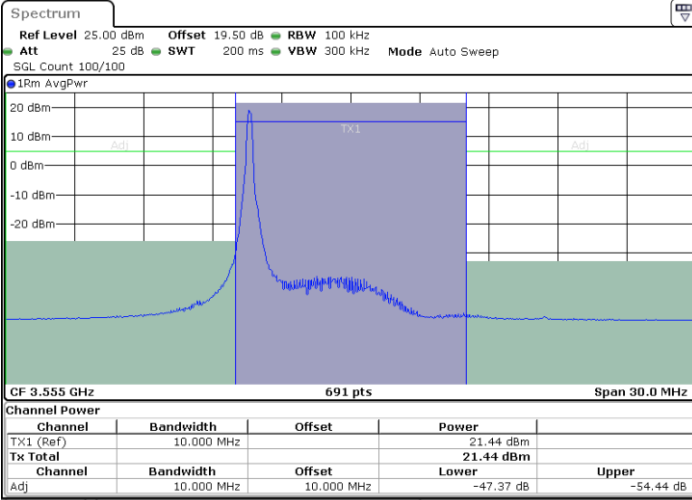


LTE Band 48 / 10MHz

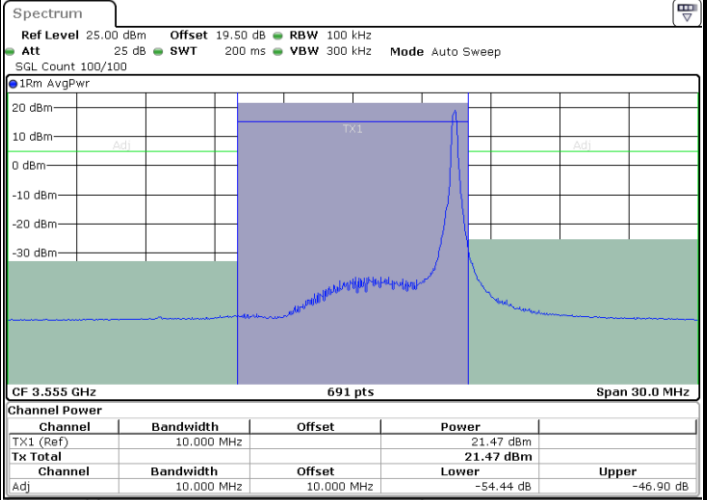
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



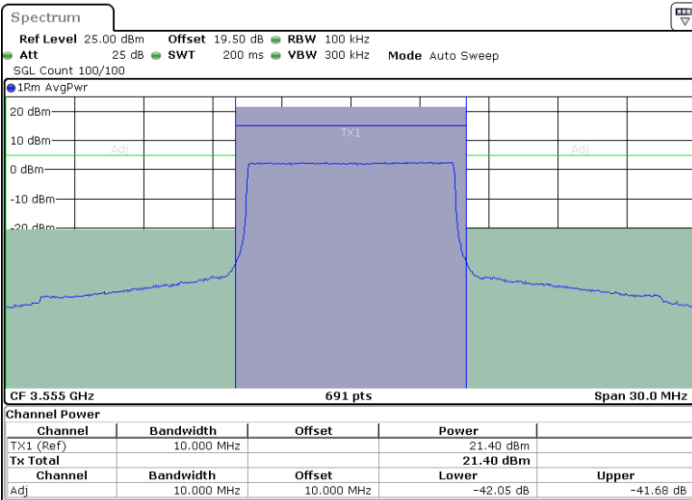
Date: 28.NOV.2024 21:05:37



Date: 28.NOV.2024 21:04:52

Lowest Channel / FullIRB

N/A



Date: 28.NOV.2024 21:01:05