

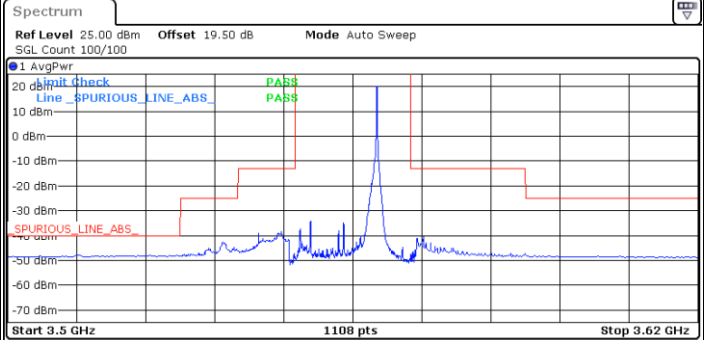
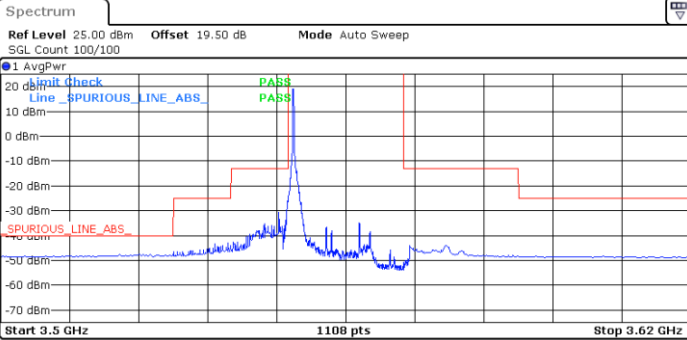


LTE Band 48 / 15MHz

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	3.52064 GHz	-47.44 dBm	-7.44 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53946 GHz	-42.99 dBm	-17.99 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54833 GHz	-30.77 dBm	-17.77 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54997 GHz	-24.54 dBm	-11.54 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55082 GHz	19.18 dBm	-10.82 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57081 GHz	-49.45 dBm	-36.45 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57730 GHz	-44.05 dBm	-31.05 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59312 GHz	-48.33 dBm	-23.33 dB

Spurious Emissions

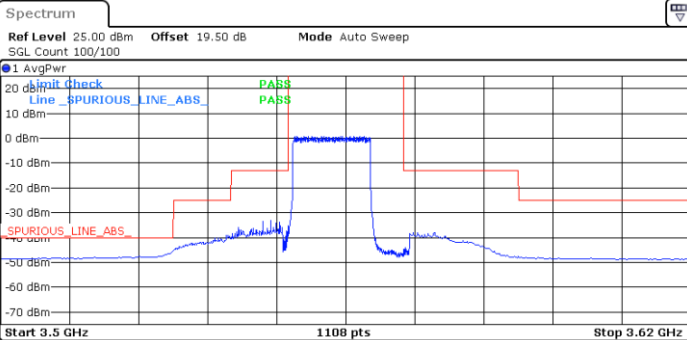
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51203 GHz	-47.73 dBm	-7.73 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53738 GHz	-42.77 dBm	-17.77 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54762 GHz	-38.43 dBm	-25.43 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54981 GHz	-47.19 dBm	-34.19 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56419 GHz	20.18 dBm	-9.82 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57086 GHz	-45.76 dBm	-32.76 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57222 GHz	-40.47 dBm	-27.47 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59163 GHz	-47.93 dBm	-22.93 dB

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

Date: 31.AUG.2024 12:52:57

Lowest Channel / Full RB

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	-45.89 dBm	-5.89 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53916 GHz	-38.91 dBm	-13.91 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54700 GHz	-33.24 dBm	-20.24 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54997 GHz	-35.27 dBm	-22.27 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55267 GHz	0.85 dBm	-29.15 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57035 GHz	-44.17 dBm	-31.17 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57542 GHz	-37.95 dBm	-24.95 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59134 GHz	-48.03 dBm	-23.03 dB

Date: 31.AUG.2024 12:56:34

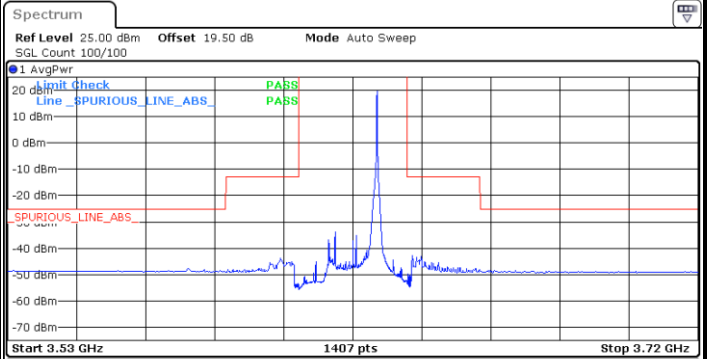
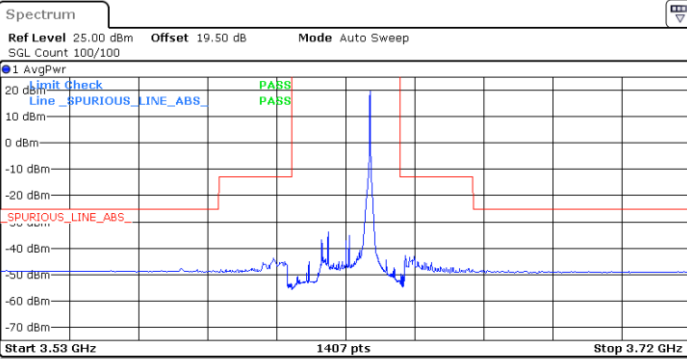


LTE Band 48 / 15MHz

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	3.57970 GHz	-47.91 dBm	-22.91 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60514 GHz	-43.80 dBm	-30.80 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60989 GHz	-53.26 dBm	-40.26 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63164 GHz	19.84 dBm	-10.16 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64019 GHz	-49.61 dBm	-36.61 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-42.91 dBm	-29.91 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66224 GHz	-48.36 dBm	-23.36 dB

Spurious Emissions

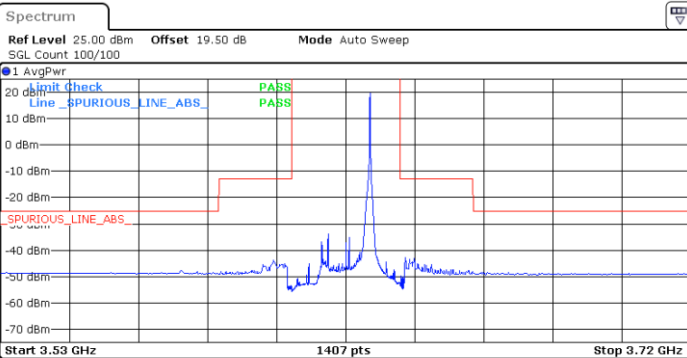
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.57970 GHz	-47.91 dBm	-22.91 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60514 GHz	-43.80 dBm	-30.80 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60989 GHz	-53.26 dBm	-40.26 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63164 GHz	19.84 dBm	-10.16 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64019 GHz	-49.61 dBm	-36.61 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-42.91 dBm	-29.91 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66224 GHz	-48.36 dBm	-23.36 dB

Date: 18_SEP.2024 14:14:30

Date: 18_SEP.2024 14:14:30

Middle Channel / Full RB

N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.57970 GHz	-47.91 dBm	-22.91 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60514 GHz	-43.80 dBm	-30.80 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60989 GHz	-53.26 dBm	-40.26 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63164 GHz	19.84 dBm	-10.16 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64019 GHz	-49.61 dBm	-36.61 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-42.91 dBm	-29.91 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66224 GHz	-48.36 dBm	-23.36 dB

Date: 18_SEP.2024 14:14:30

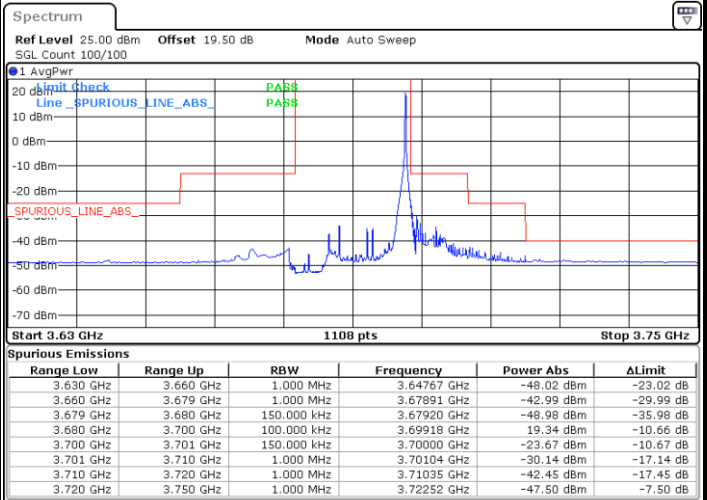
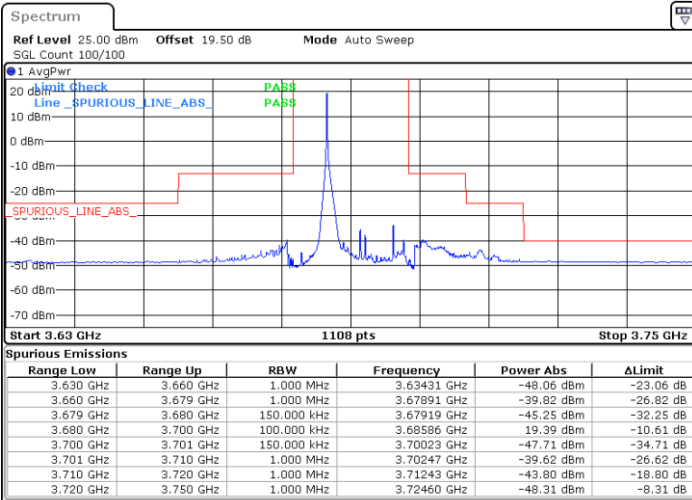


LTE Band 48 / 15MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

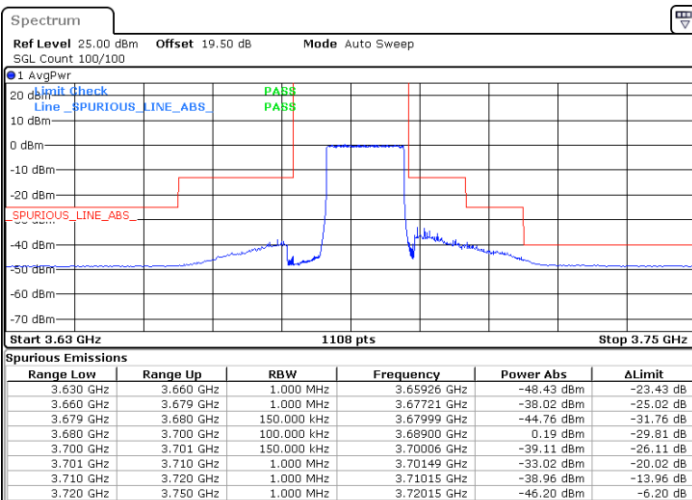


Date: 31.AUG.2024 13:33:22

Date: 31.AUG.2024 13:37:07

Highest Channel / Full RB

N/A



Date: 31.AUG.2024 13:40:46

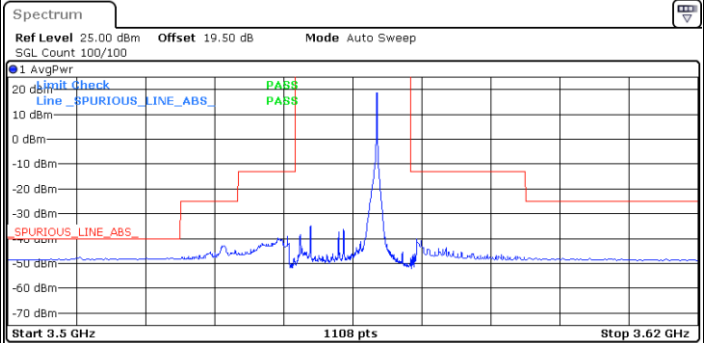
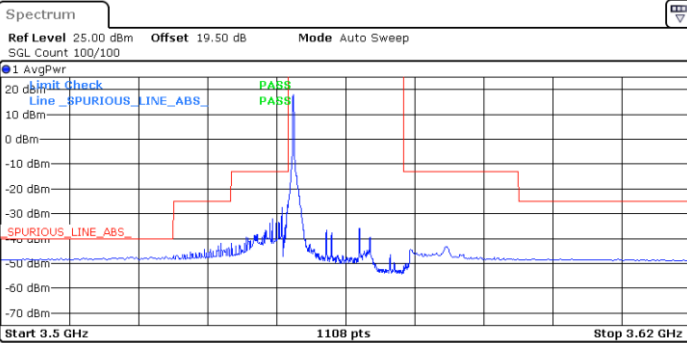


LTE Band 48 / 15MHz

64QAM

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	3.52866 GHz	-47.16 dBm	-7.16 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53837 GHz	-42.02 dBm	-17.02 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54887 GHz	-27.51 dBm	-14.51 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.55000 GHz	-24.92 dBm	-11.92 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55082 GHz	17.95 dBm	-12.05 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57082 GHz	-50.07 dBm	-37.07 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57749 GHz	-43.32 dBm	-30.32 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59134 GHz	-48.26 dBm	-23.26 dB

Spurious Emissions

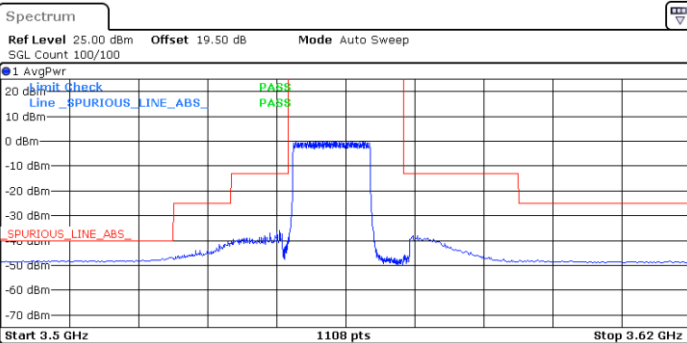
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51262 GHz	-47.63 dBm	-7.63 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53728 GHz	-42.81 dBm	-17.81 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54869 GHz	-39.23 dBm	-26.23 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54980 GHz	-47.77 dBm	-34.77 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56414 GHz	18.77 dBm	-11.23 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57081 GHz	-46.12 dBm	-33.12 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-40.04 dBm	-27.04 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59193 GHz	-47.74 dBm	-22.74 dB

Date: 31.AUG.2024 12:48:01

Date: 31.AUG.2024 12:54:09

Lowest Channel / Full RB

N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52955 GHz	-46.68 dBm	-6.68 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53946 GHz	-40.45 dBm	-15.45 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54851 GHz	-35.81 dBm	-22.81 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54995 GHz	-38.61 dBm	-25.61 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55706 GHz	-0.02 dBm	-30.02 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57021 GHz	-45.84 dBm	-32.84 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57166 GHz	-38.11 dBm	-25.11 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59015 GHz	-47.98 dBm	-22.98 dB

Date: 31.AUG.2024 12:55:21

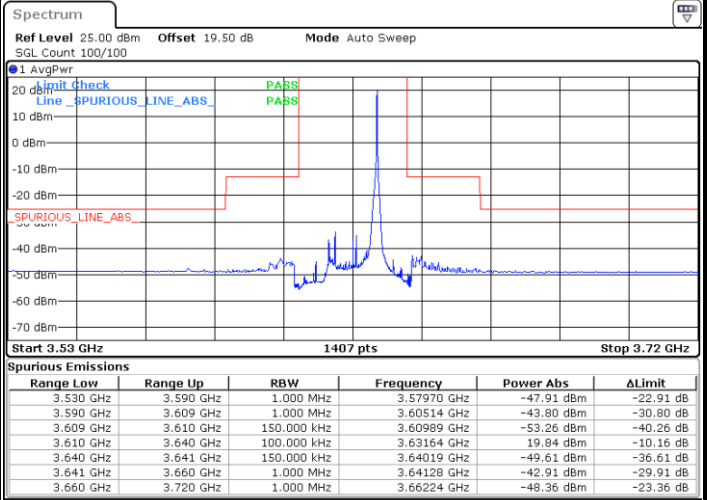
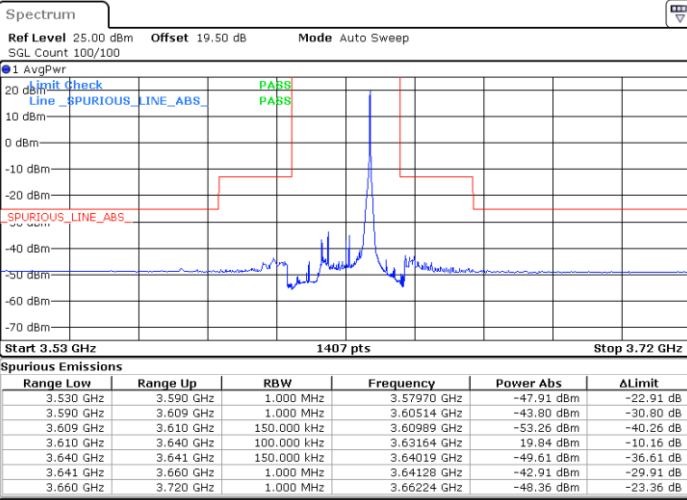


LTE Band 48 / 15MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

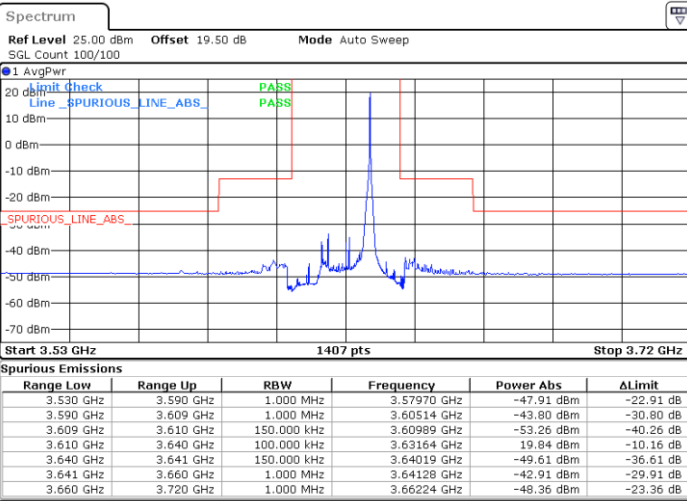


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Date: 18_SEP.2024 14:14:30

Middle Channel / Full RB

N/A



Date: 18_SEP.2024 14:14:30

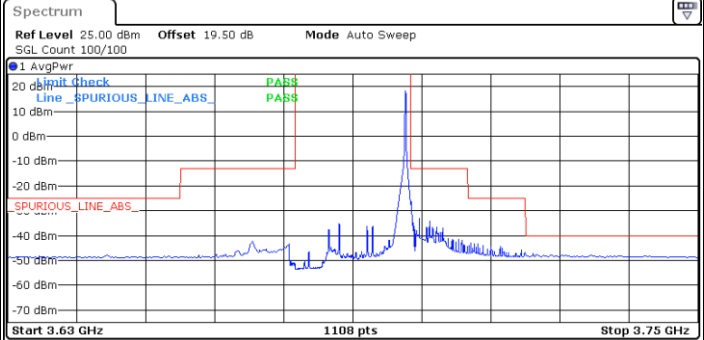
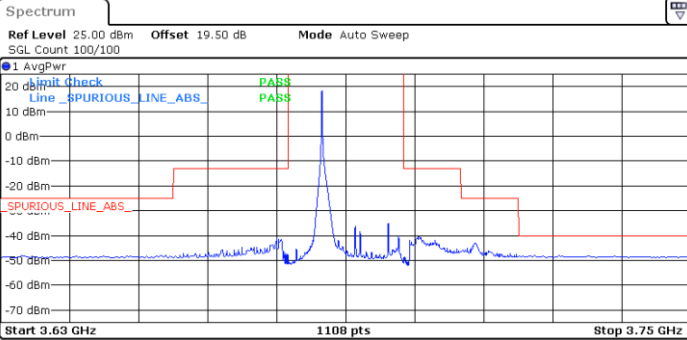


LTE Band 48 / 15MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65866 GHz	-47.77 dBm	-22.77 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67797 GHz	-40.72 dBm	-27.72 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67913 GHz	-46.07 dBm	-33.07 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68586 GHz	18.22 dBm	-11.78 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70018 GHz	-48.73 dBm	-35.73 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70256 GHz	-40.42 dBm	-27.42 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71252 GHz	-42.98 dBm	-17.98 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72282 GHz	-48.02 dBm	-8.02 dB

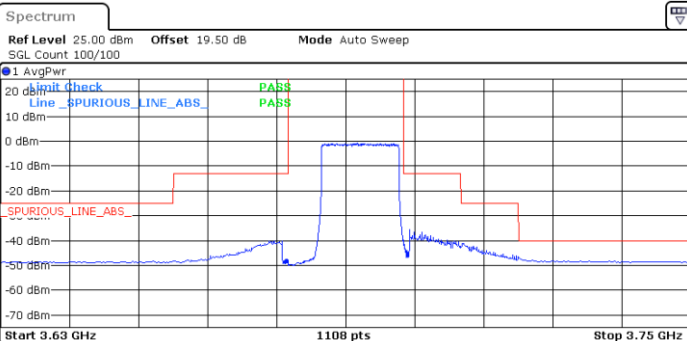
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.64738 GHz	-47.99 dBm	-22.99 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67251 GHz	-42.38 dBm	-29.38 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67920 GHz	-49.88 dBm	-36.88 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69918 GHz	18.42 dBm	-11.58 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70004 GHz	-25.56 dBm	-12.56 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70158 GHz	-33.11 dBm	-20.11 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71045 GHz	-42.82 dBm	-17.82 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72134 GHz	-47.34 dBm	-7.34 dB

Date: 31.AUG.2024 13:32:10

Date: 31.AUG.2024 13:38:20

Highest Channel / Full RB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65658 GHz	-48.13 dBm	-23.13 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67665 GHz	-40.07 dBm	-27.07 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67967 GHz	-47.45 dBm	-34.45 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69204 GHz	-0.70 dBm	-30.70 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70000 GHz	-39.67 dBm	-26.67 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70113 GHz	-35.44 dBm	-22.44 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71045 GHz	-41.08 dBm	-16.08 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-47.28 dBm	-7.28 dB

Date: 31.AUG.2024 13:39:33

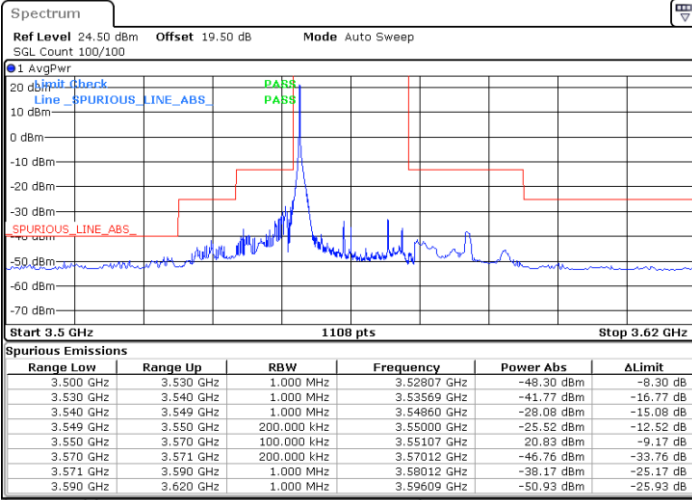


LTE Band 48 / 20MHz

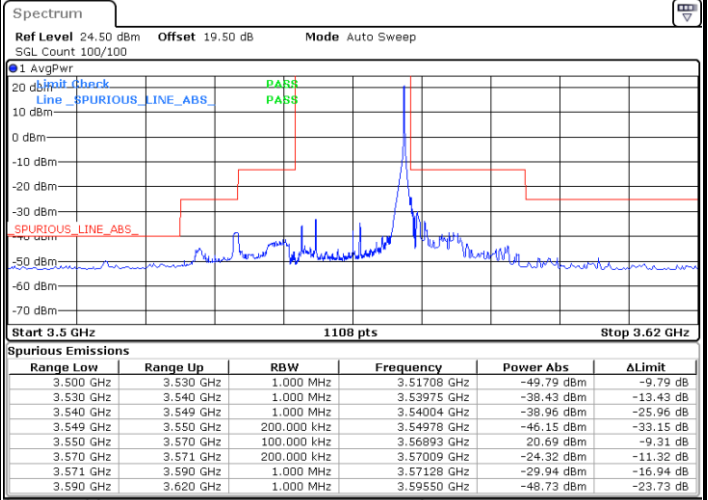
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



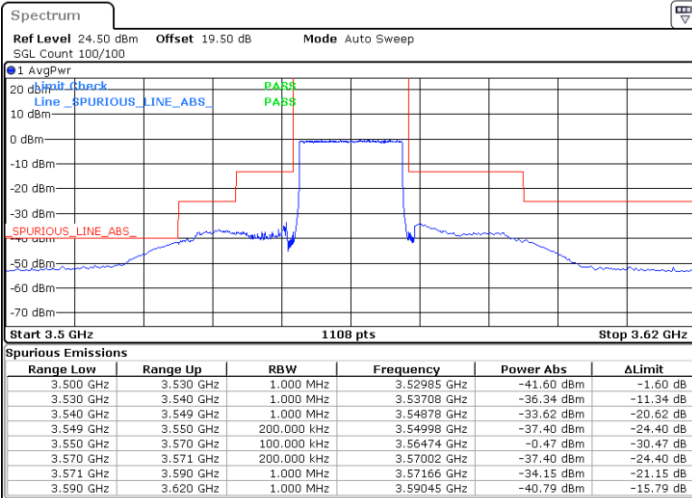
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Date: 31.AUG.2024 14:01:17

Lowest Channel / Full RB

N/A



Date: 9.SEP.2024 17:41:10

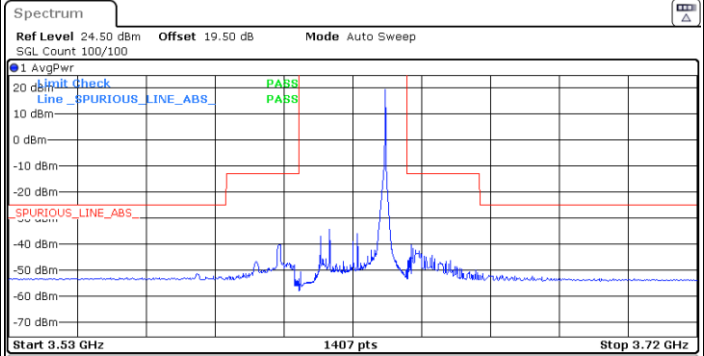
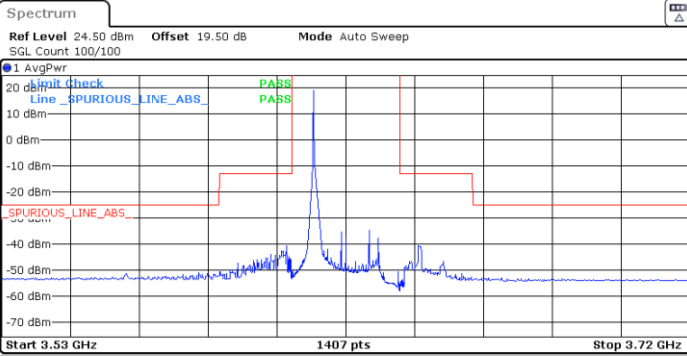


LTE Band 48 / 20MHz

QPSK

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	3.58448 GHz	-51.01 dBm	-26.01 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60872 GHz	-40.65 dBm	-27.65 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60935 GHz	-44.62 dBm	-31.62 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61611 GHz	18.93 dBm	-11.07 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64057 GHz	-53.66 dBm	-40.66 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64523 GHz	-40.52 dBm	-27.52 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66791 GHz	-52.86 dBm	-27.86 dB

Spurious Emissions

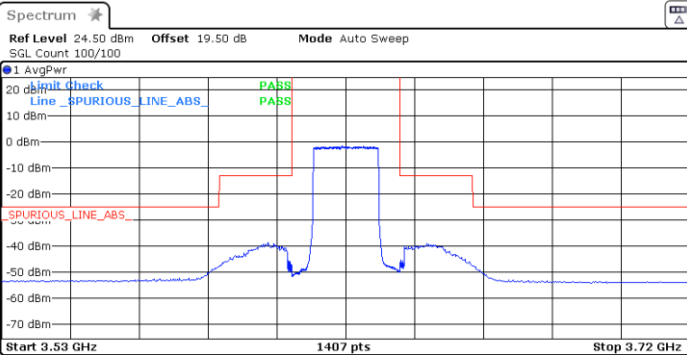
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58209 GHz	-51.27 dBm	-26.27 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60458 GHz	-40.24 dBm	-27.24 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60999 GHz	-53.21 dBm	-40.21 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63389 GHz	19.12 dBm	-10.88 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64076 GHz	-45.03 dBm	-32.03 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64109 GHz	-40.24 dBm	-27.24 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66075 GHz	-51.16 dBm	-26.16 dB

Date: 14.OCT.2024 14:06:16

Date: 14.OCT.2024 13:55:47

Middle Channel / Full RB

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	-47.94 dBm	-22.94 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60364 GHz	-38.75 dBm	-25.75 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60923 GHz	-45.66 dBm	-32.66 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62390 GHz	-1.83 dBm	-31.83 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64017 GHz	-45.42 dBm	-32.42 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64730 GHz	-39.06 dBm	-26.06 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66045 GHz	-47.68 dBm	-22.68 dB

Date: 14.OCT.2024 13:48:17

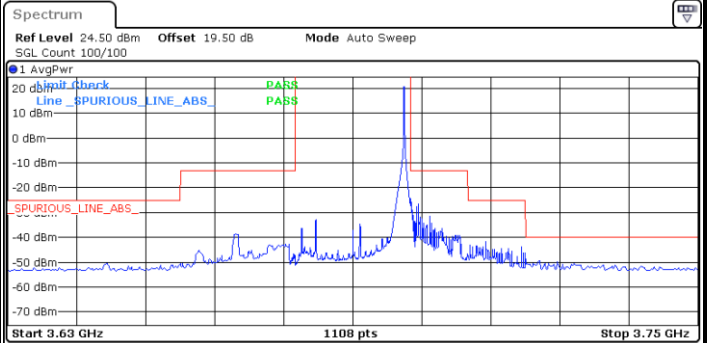
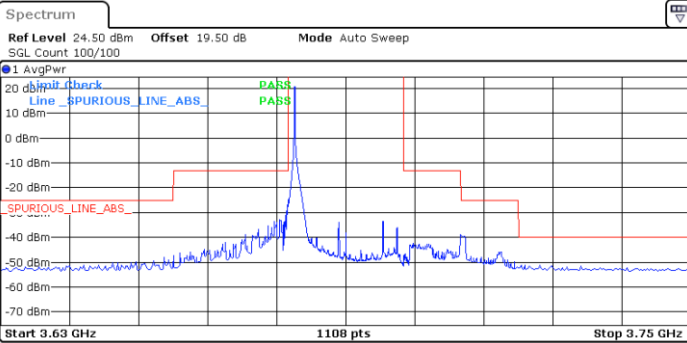


LTE Band 48 / 20MHz

QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65837 GHz	-48.18 dBm	-23.18 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67853 GHz	-33.07 dBm	-20.07 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.68000 GHz	-24.77 dBm	-11.77 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68107 GHz	-20.54 dBm	-9.46 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70034 GHz	-46.67 dBm	-33.67 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70996 GHz	-39.02 dBm	-26.02 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71005 GHz	-39.39 dBm	-14.39 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72104 GHz	-51.20 dBm	-11.20 dB

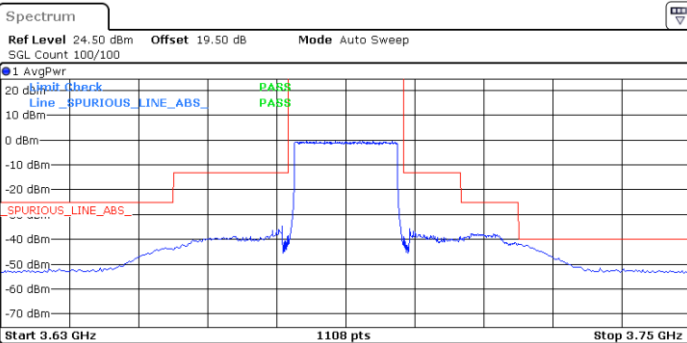
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.64738 GHz	-50.56 dBm	-25.56 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.66969 GHz	-38.62 dBm	-25.62 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67975 GHz	-46.63 dBm	-33.63 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69893 GHz	20.48 dBm	-9.52 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70000 GHz	-24.45 dBm	-11.45 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70131 GHz	-26.60 dBm	-13.60 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71302 GHz	-41.79 dBm	-16.79 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72252 GHz	-49.40 dBm	-9.40 dB

Date: 31.AUG.2024 14:40:14

Date: 31.AUG.2024 14:46:18

Highest Channel / Full RB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65866 GHz	-43.52 dBm	-18.52 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-34.74 dBm	-21.74 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67992 GHz	-38.63 dBm	-25.63 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68820 GHz	-0.46 dBm	-30.46 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70000 GHz	-38.82 dBm	-25.82 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-35.72 dBm	-22.72 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71173 GHz	-37.67 dBm	-12.67 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72045 GHz	-41.97 dBm	-1.97 dB

Date: 9.SEP.2024 17:42:33

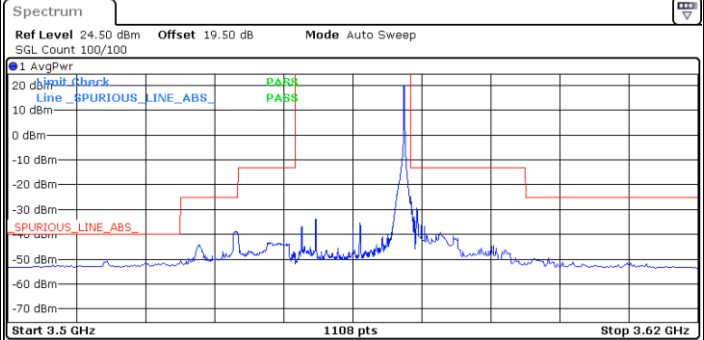
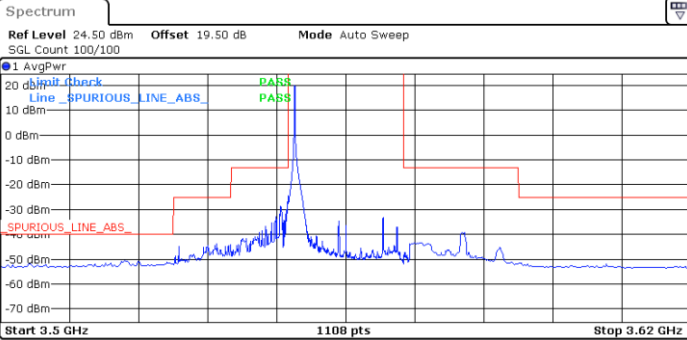


LTE Band 48 / 20MHz

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	3.52153 GHz	-50.52 dBm	-10.52 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53757 GHz	-43.84 dBm	-18.84 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54869 GHz	-28.75 dBm	-15.75 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54995 GHz	-24.48 dBm	-11.48 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55107 GHz	-19.77 dBm	-10.23 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57027 GHz	-47.33 dBm	-34.33 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.58012 GHz	-39.22 dBm	-26.22 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59045 GHz	-51.42 dBm	-26.42 dB

Spurious Emissions

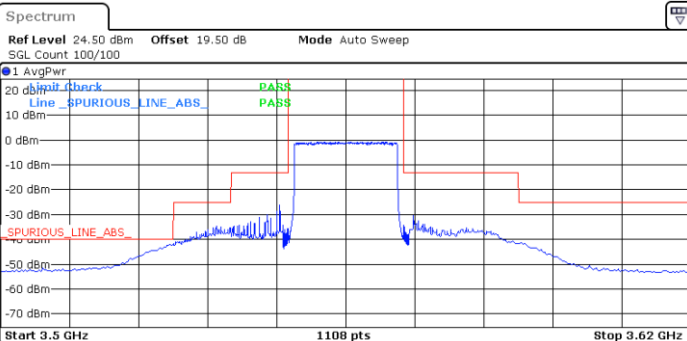
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51738 GHz	-50.98 dBm	-10.98 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53965 GHz	-38.83 dBm	-13.83 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54004 GHz	-39.99 dBm	-26.99 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54972 GHz	-46.82 dBm	-33.82 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56893 GHz	-19.88 dBm	-10.12 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57003 GHz	-24.67 dBm	-11.67 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-29.32 dBm	-16.32 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59401 GHz	-49.61 dBm	-24.61 dB

Date: 31.AUG.2024 13:56:30

Date: 31.AUG.2024 14:00:06

Lowest Channel / Full RB

N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52955 GHz	-42.16 dBm	-2.16 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53748 GHz	-34.67 dBm	-9.67 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54851 GHz	-26.18 dBm	-13.18 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54911 GHz	-34.28 dBm	-21.28 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56454 GHz	-0.69 dBm	-30.69 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57002 GHz	-34.15 dBm	-21.15 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57166 GHz	-30.44 dBm	-17.44 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59045 GHz	-41.35 dBm	-16.35 dB

Date: 31.AUG.2024 14:03:44

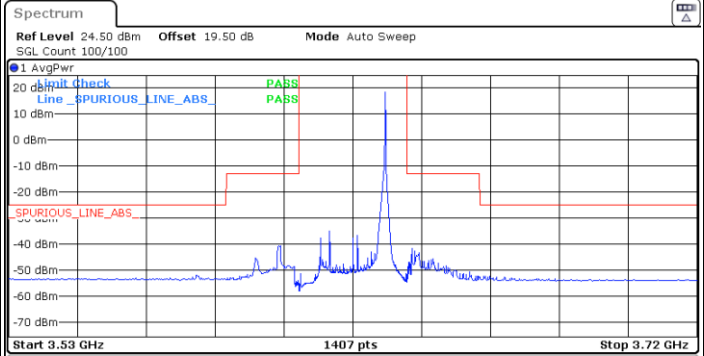
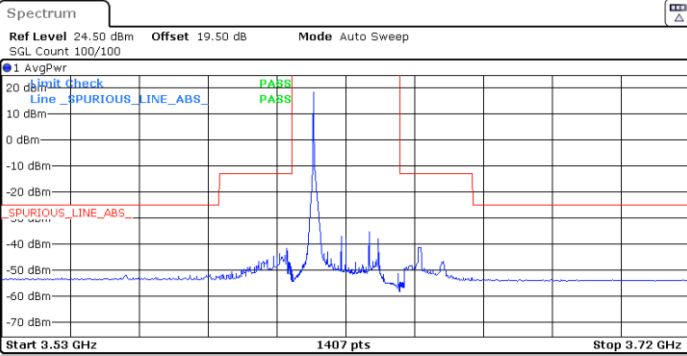


LTE Band 48 / 20MHz

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	3.58746 GHz	-51.68 dBm	-26.68 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60872 GHz	-41.51 dBm	-28.51 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60929 GHz	-46.81 dBm	-33.81 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61611 GHz	18.15 dBm	-11.85 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64021 GHz	-54.41 dBm	-41.41 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64523 GHz	-41.15 dBm	-28.15 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66433 GHz	-53.49 dBm	-28.49 dB

Spurious Emissions

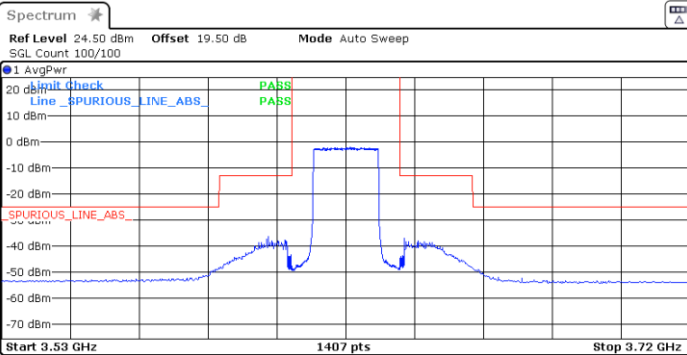
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58179 GHz	-51.91 dBm	-26.91 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60496 GHz	-40.68 dBm	-27.68 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60998 GHz	-53.97 dBm	-40.97 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63394 GHz	16.05 dBm	-11.95 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64061 GHz	-46.79 dBm	-33.79 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-41.60 dBm	-28.60 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66164 GHz	-52.21 dBm	-27.21 dB

Date: 14.OCT.2024 14:04:06

Date: 14.OCT.2024 13:58:06

Middle Channel / Full RB

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	-48.16 dBm	-23.16 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60364 GHz	-36.22 dBm	-23.22 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60981 GHz	-43.24 dBm	-30.24 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62615 GHz	-2.21 dBm	-32.21 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64070 GHz	-43.63 dBm	-30.63 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64109 GHz	-36.95 dBm	-23.95 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66015 GHz	-48.58 dBm	-23.58 dB

Date: 14.OCT.2024 13:50:21

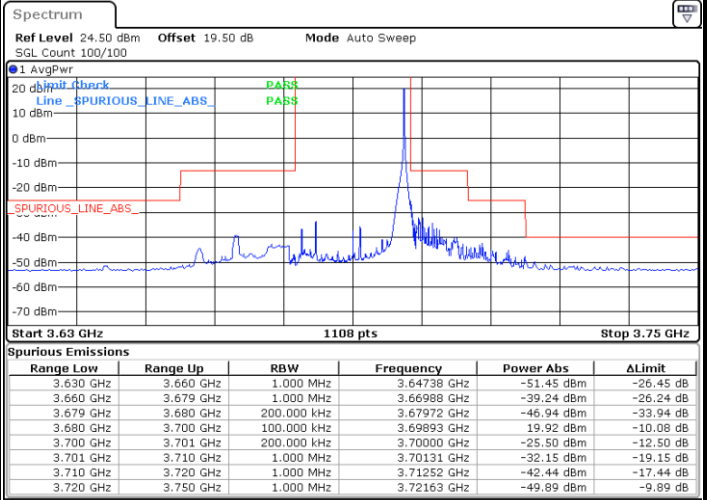
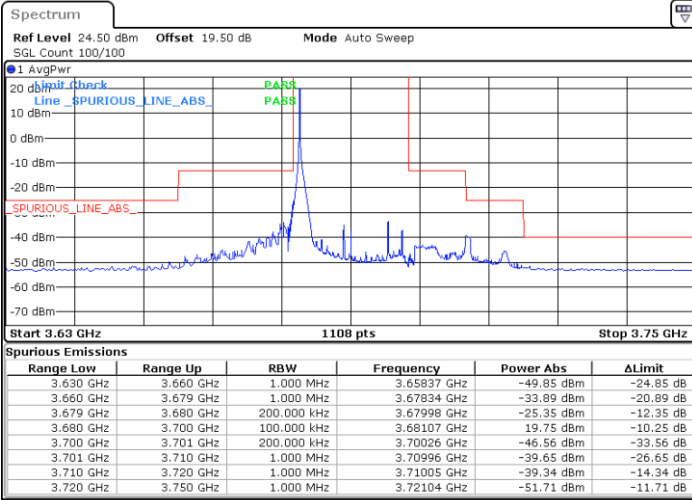


LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

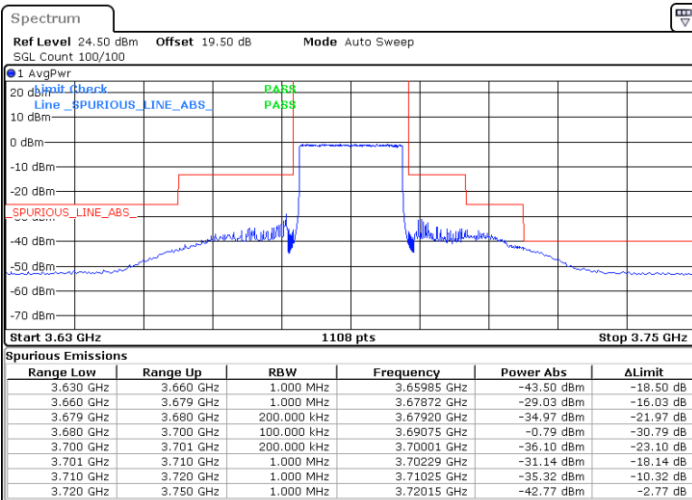


Date: 31.AUG.2024 14:41:29

Date: 31.AUG.2024 14:45:05

Highest Channel / Full RB

N/A



Date: 31.AUG.2024 14:48:45

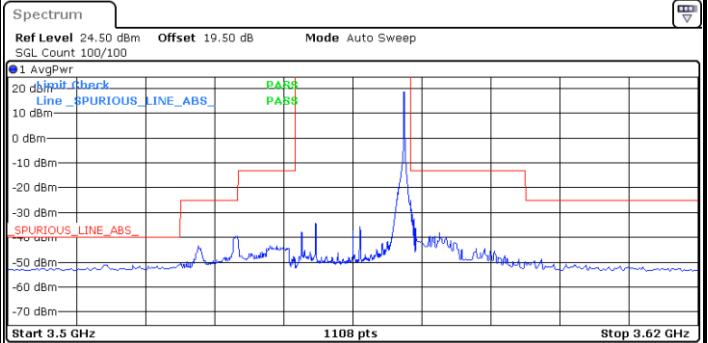
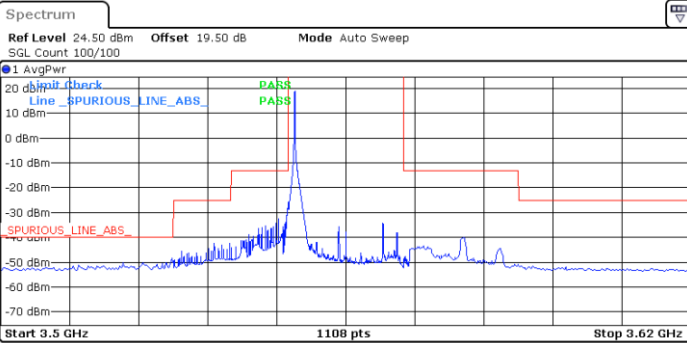


LTE Band 48 / 20MHz

64QAM

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	3.52985 GHz	-48.40 dBm	-8.40 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53708 GHz	-42.31 dBm	-17.31 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54833 GHz	-32.52 dBm	-19.52 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.55000 GHz	-25.87 dBm	-12.87 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55112 GHz	19.78 dBm	-11.22 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57029 GHz	-47.62 dBm	-34.62 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.58050 GHz	-39.93 dBm	-26.93 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59252 GHz	-51.63 dBm	-26.63 dB

Spurious Emissions

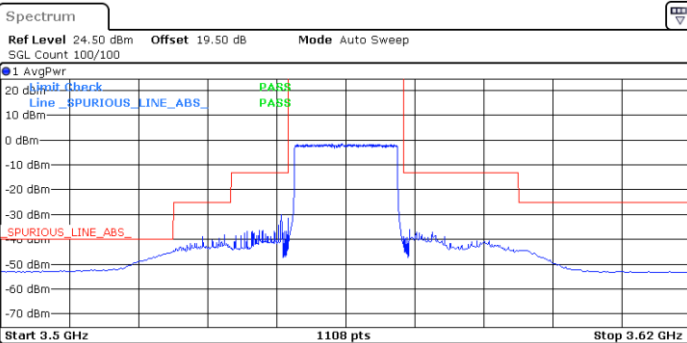
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51678 GHz	-51.09 dBm	-11.09 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53995 GHz	-39.66 dBm	-14.66 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54004 GHz	-40.89 dBm	-27.89 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54972 GHz	-47.56 dBm	-34.56 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56888 GHz	18.62 dBm	-11.38 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57001 GHz	-25.22 dBm	-12.22 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57504 GHz	-38.16 dBm	-25.16 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59282 GHz	-48.83 dBm	-23.83 dB

Date: 31.AUG.2024 13:57:42

Date: 31.AUG.2024 13:58:54

Lowest Channel / Full RB

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	-45.09 dBm	-5.09 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53886 GHz	-38.18 dBm	-13.18 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54878 GHz	-30.01 dBm	-17.01 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.55000 GHz	-31.45 dBm	-18.45 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55761 GHz	-1.60 dBm	-31.60 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57004 GHz	-38.86 dBm	-25.86 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-35.92 dBm	-22.92 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59134 GHz	-44.45 dBm	-19.45 dB

Date: 31.AUG.2024 14:04:56

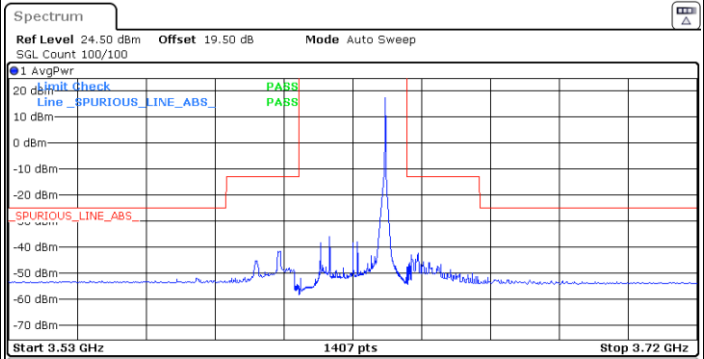
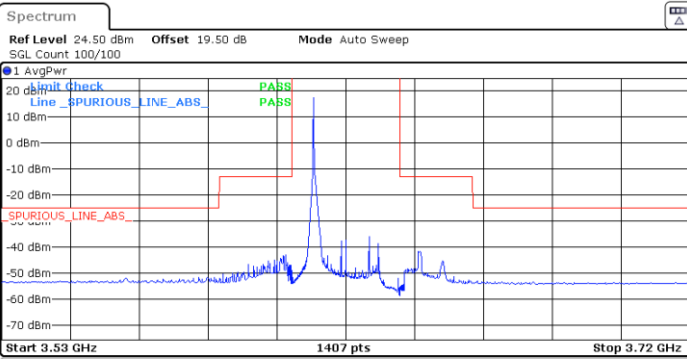


LTE Band 48 / 20MHz

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	3.58866 GHz	-51.44 dBm	-26.44 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60853 GHz	-42.93 dBm	-29.93 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60953 GHz	-46.77 dBm	-33.77 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61606 GHz	17.10 dBm	-12.90 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64097 GHz	-54.28 dBm	-41.28 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64542 GHz	-41.70 dBm	-28.70 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66134 GHz	-52.85 dBm	-27.85 dB

Spurious Emissions

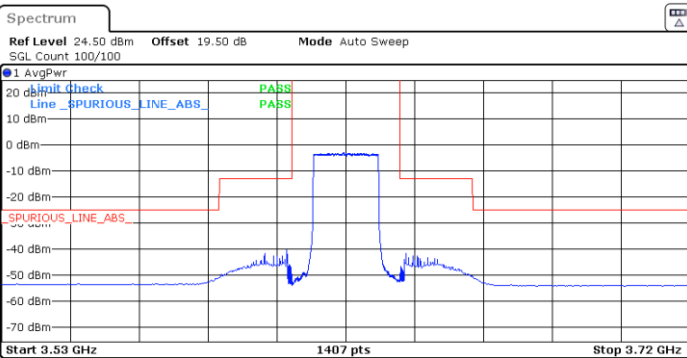
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58209 GHz	-51.79 dBm	-26.79 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60439 GHz	-41.56 dBm	-28.56 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60963 GHz	-54.11 dBm	-41.11 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63399 GHz	17.09 dBm	-12.91 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64074 GHz	-46.05 dBm	-33.05 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64298 GHz	-42.41 dBm	-29.41 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66224 GHz	-51.65 dBm	-26.65 dB

Date: 14.OCT.2024 14:02:11

Date: 14.OCT.2024 13:59:58

Middle Channel / Full RB

N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58995 GHz	-51.01 dBm	-26.01 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60872 GHz	-40.37 dBm	-27.37 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60938 GHz	-46.08 dBm	-33.08 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62435 GHz	-3.00 dBm	-33.00 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64005 GHz	-46.71 dBm	-33.71 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64166 GHz	-41.56 dBm	-28.56 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66015 GHz	-50.61 dBm	-25.61 dB

Date: 14.OCT.2024 13:54:05

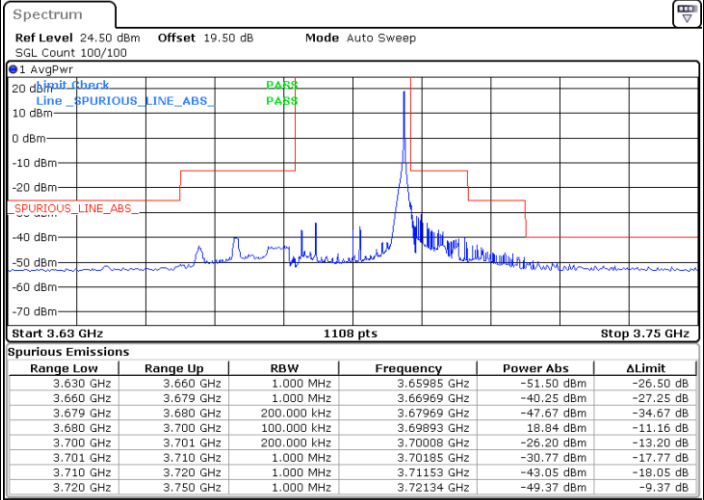
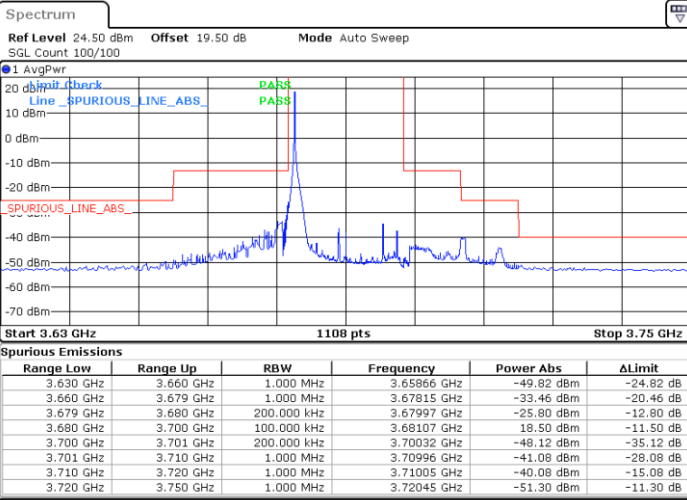


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

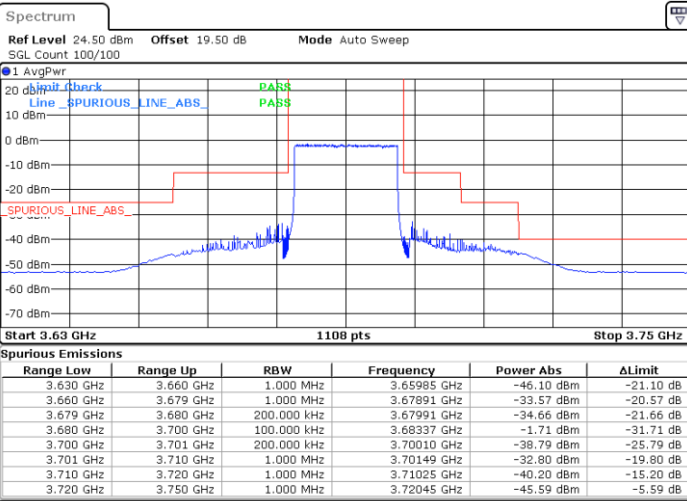


Date: 31.AUG.2024 14:42:41

Date: 31.AUG.2024 14:43:53

Highest Channel / Full RB

N/A



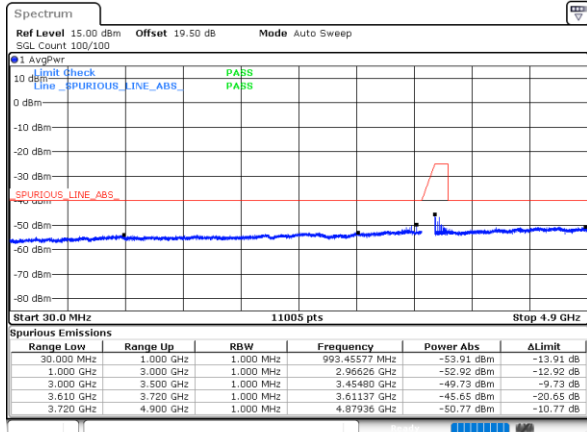
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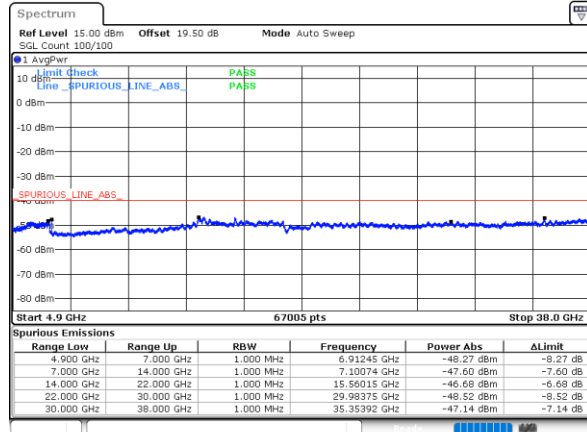
Conducted Spurious Emission

LTE Band 48 / 5MHz

Lowest Channel / QPSK

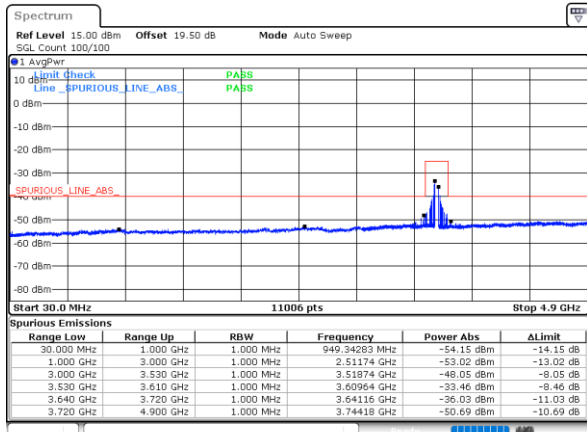


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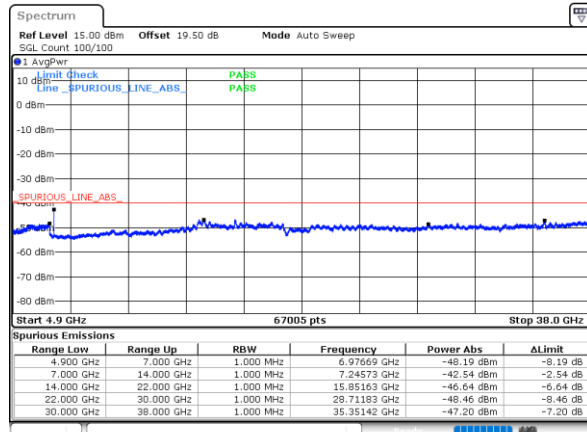


Date: 31.AUG.2024 10:59:03

Middle Channel / QPSK

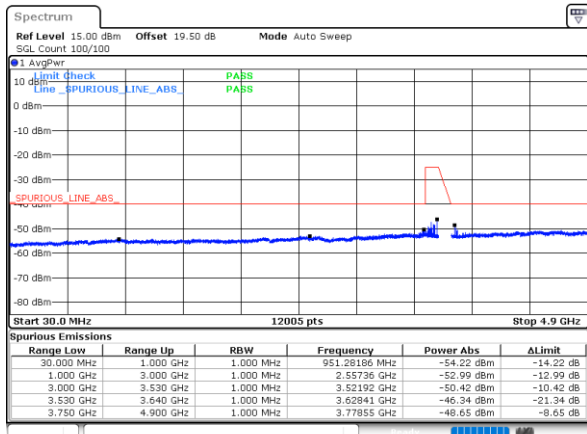


Date: 31.AUG.2024 11:18:03

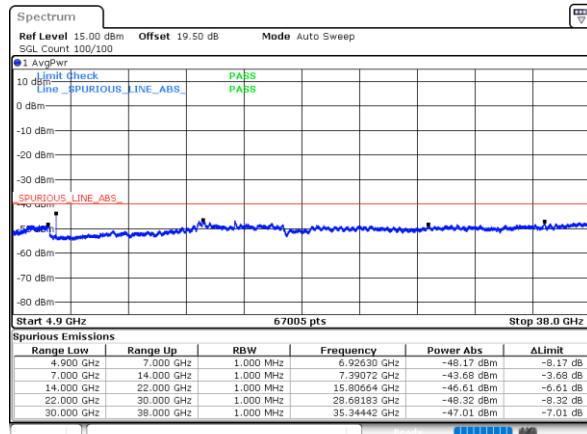


Date: 31.AUG.2024 11:19:10

Highest Channel / QPSK



Date: 31.AUG.2024 11:37:14

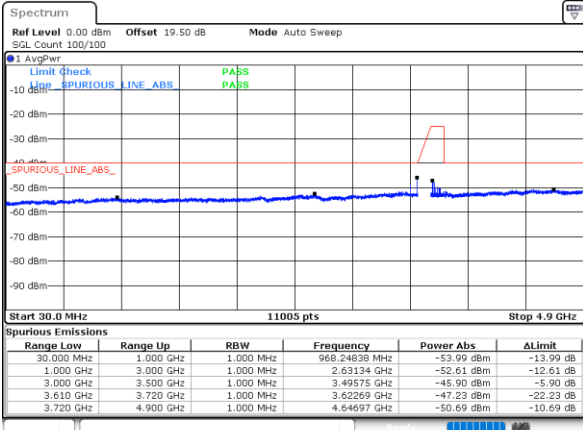


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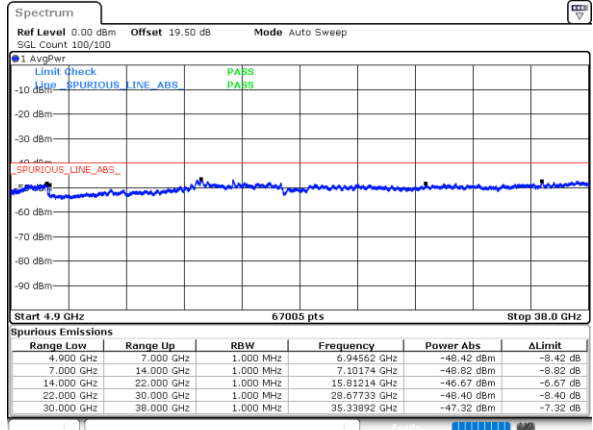


LTE Band 48 / 10MHz

Lowest Channel / QPSK

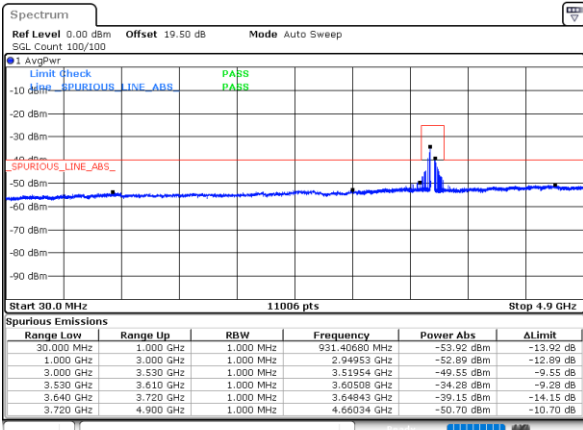


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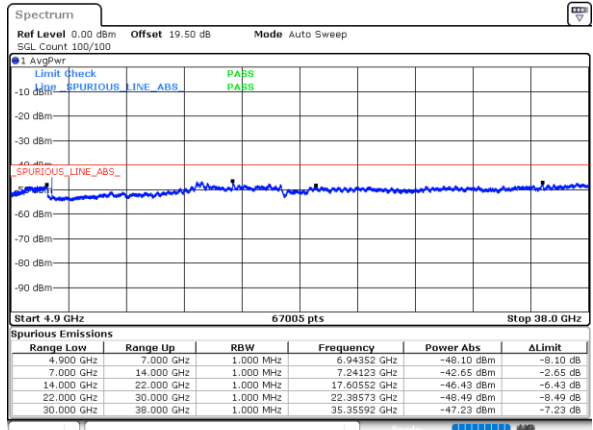


Date: 31.AUG.2024 12:00:22

Middle Channel / QPSK

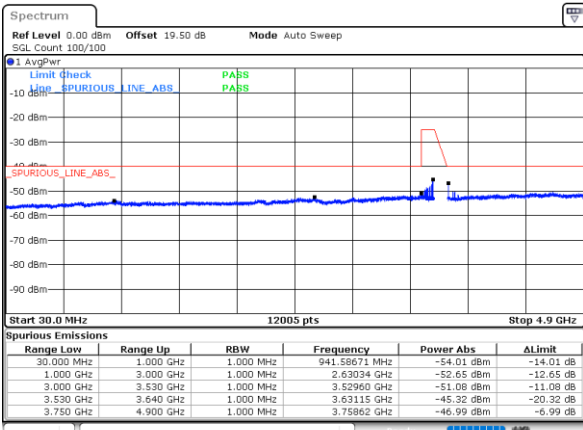


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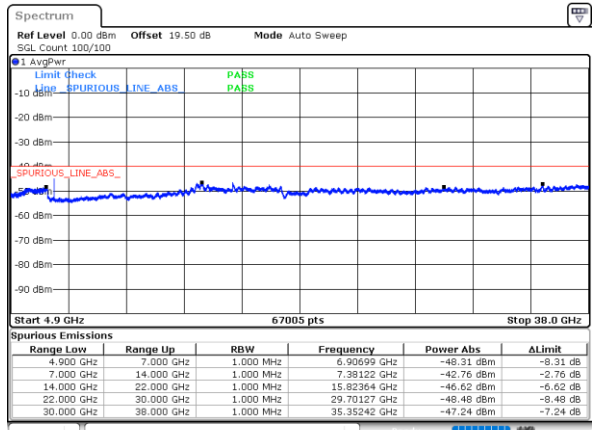


Date: 31.AUG.2024 12:20:20

Highest Channel / QPSK



Date: 31.AUG.2024 12:18:15

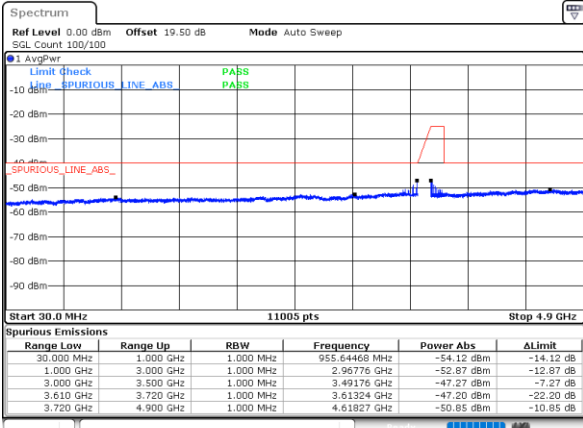


Date: 31.AUG.2024 12:19:22

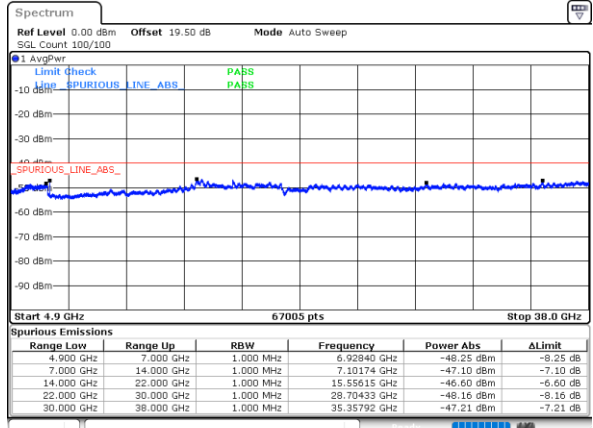


LTE Band 48 / 15MHz

Lowest Channel / QPSK

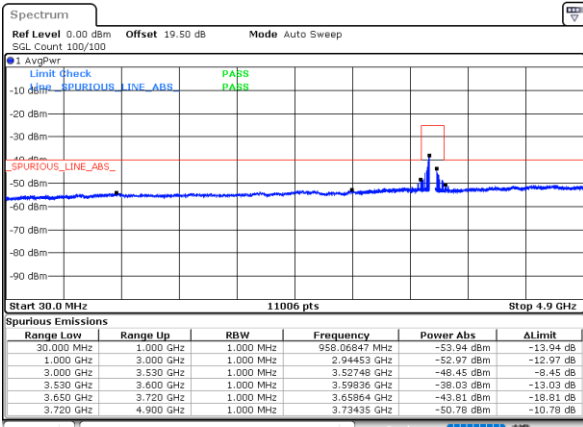


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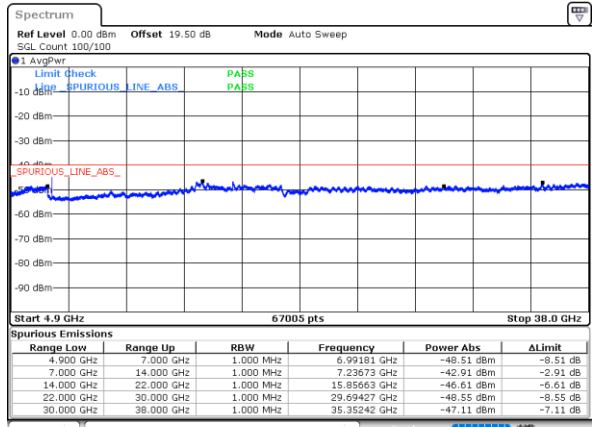


Date: 31.AUG.2024 13:00:13

Middle Channel / QPSK

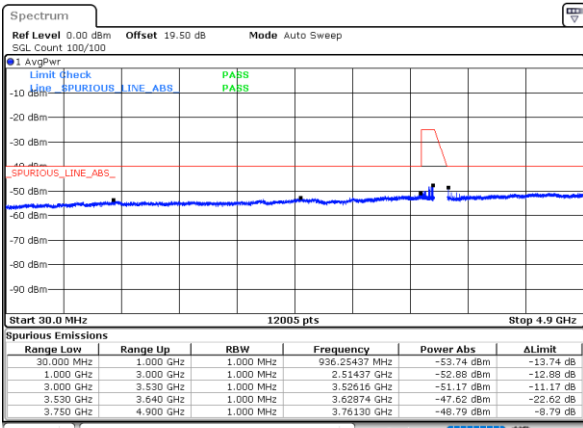


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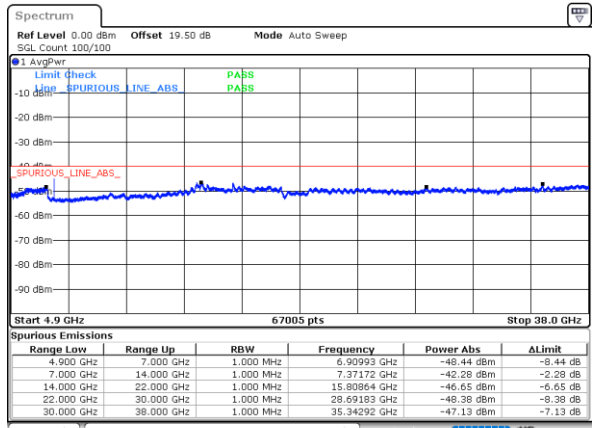


Date: 31.AUG.2024 13:24:08

Highest Channel / QPSK



Date: 31.AUG.2024 13:43:19

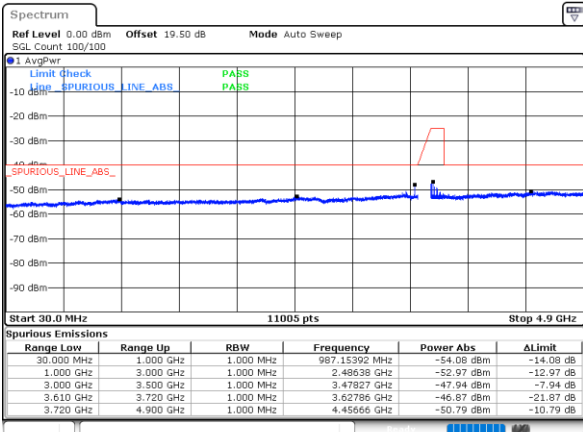


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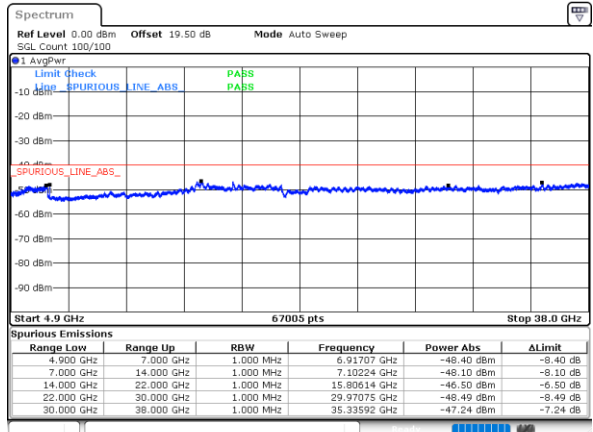


LTE Band 48 / 20MHz

Lowest Channel / QPSK

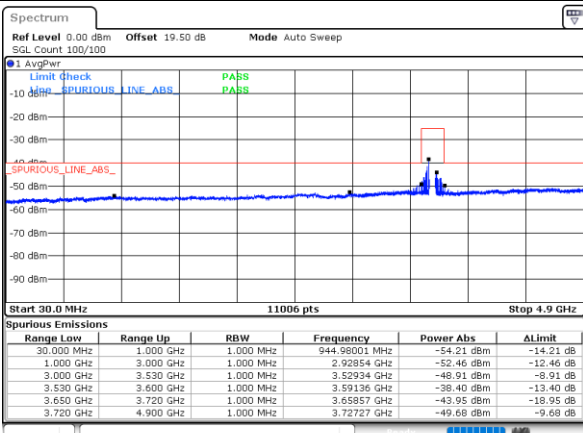


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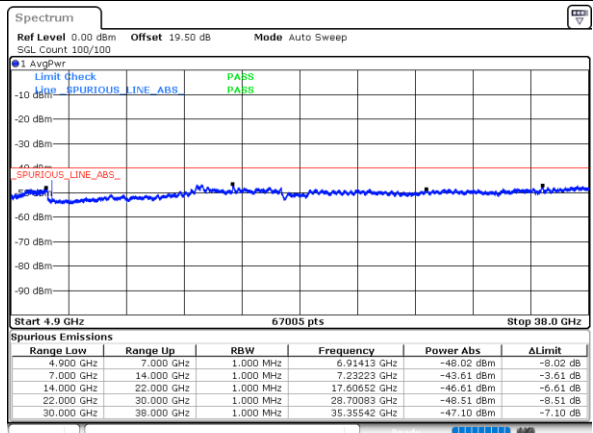


Date: 31.AUG.2024 14:07:23

Middle Channel / QPSK

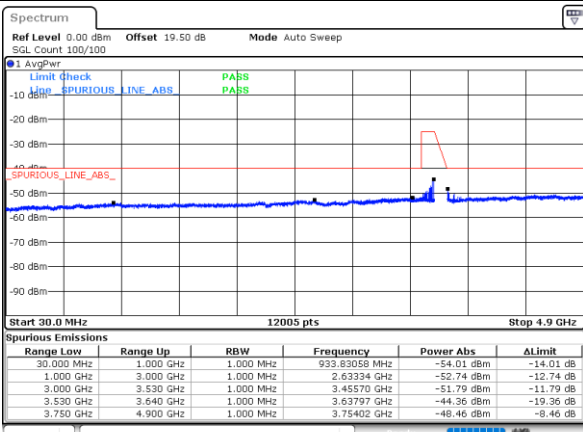


Date: 31.AUG.2024 14:30:04

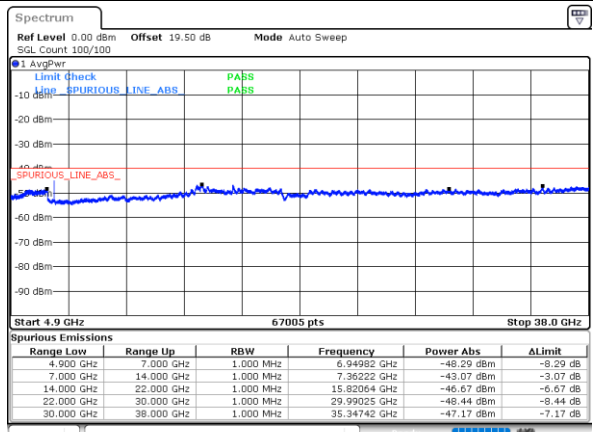


Date: 31.AUG.2024 14:31:11

Highest Channel / QPSK



Date: 31.AUG.2024 14:51:17



Date: 31.AUG.2024 14:52:24



Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

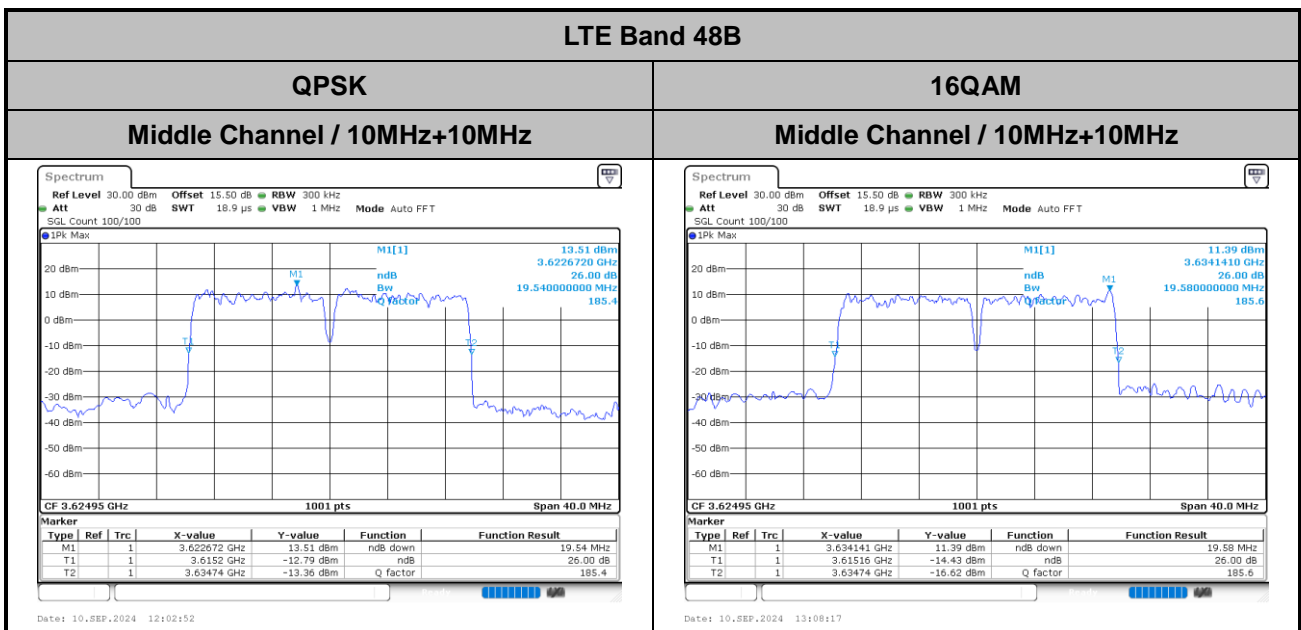
1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.45 V. ; Maximum Voltage = 4.50 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 48B

26dB Bandwidth

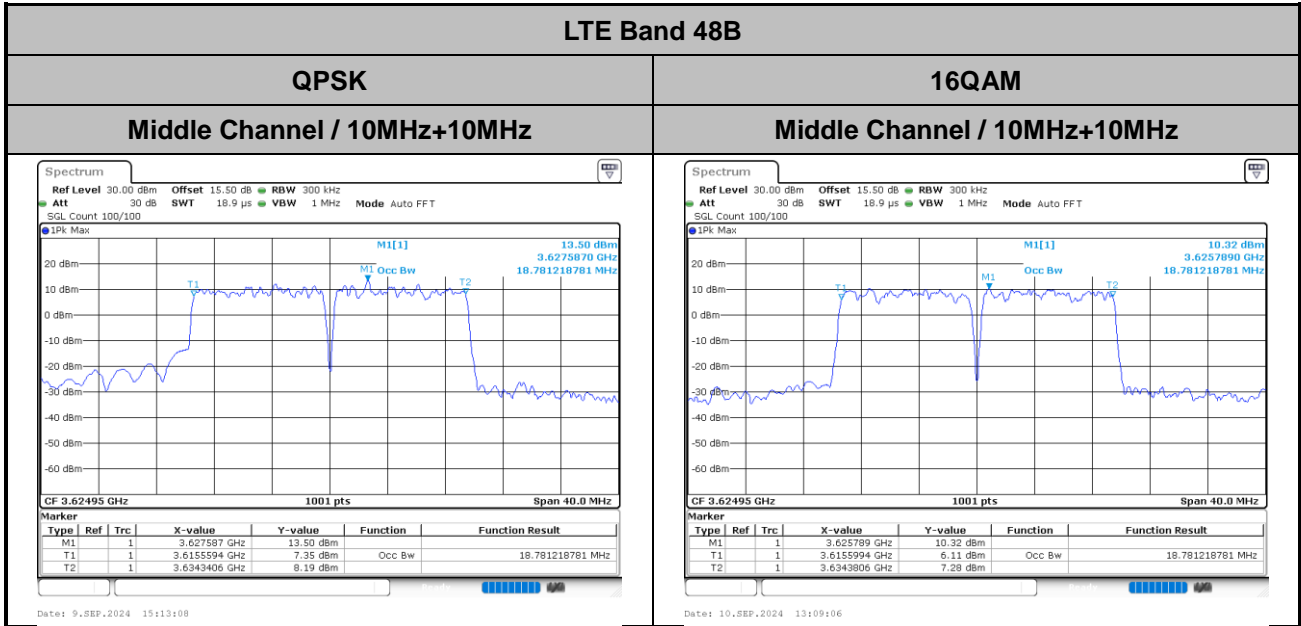
Mode	LTE Band 48B : 26dB BW(MHz)	
BW	10MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	19.54	19.58





Occupied Bandwidth

Mode	LTE Band 48B : 99%OBW(MHz)	
BW	10MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	18.78	18.78





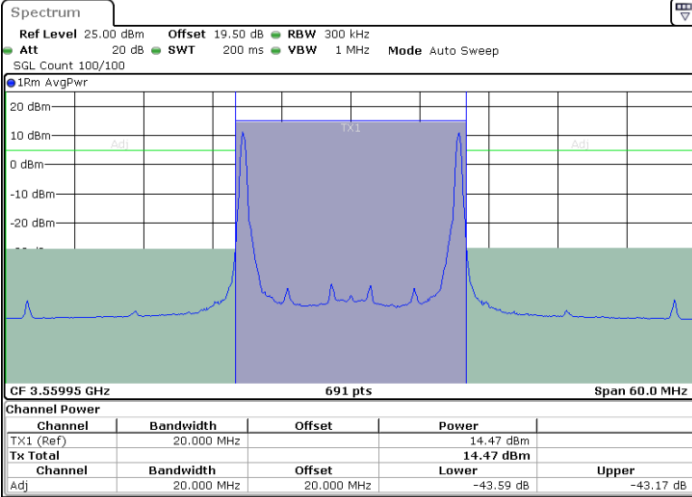
ACLR

LTE Band 48B / 10MHz+10MHz

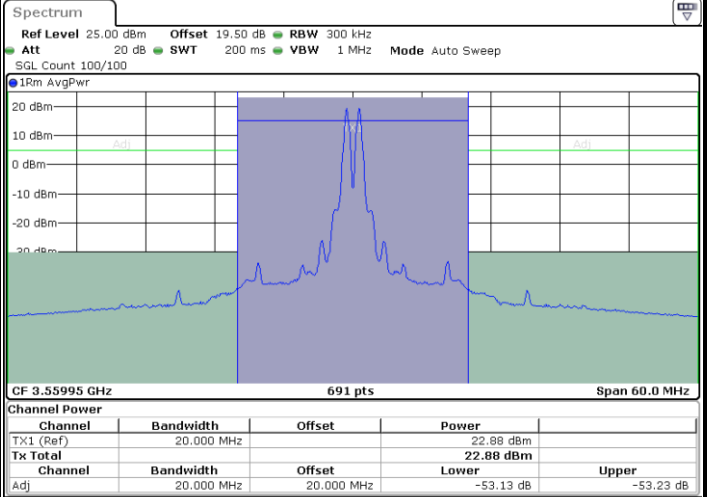
QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



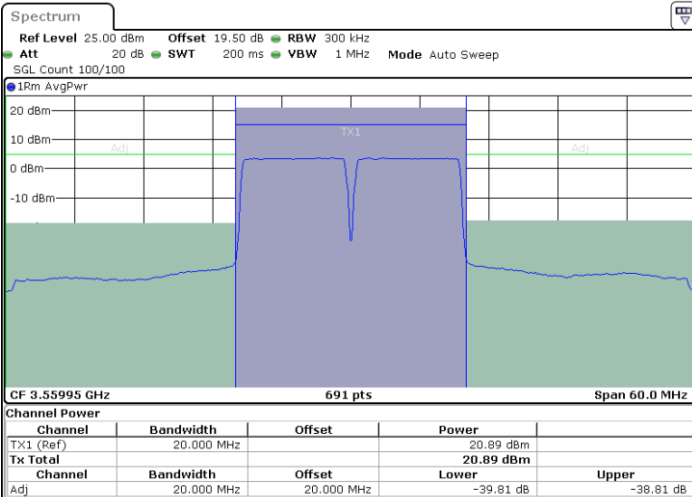
Date: 10.SEP.2024 13:13:05



Date: 10.SEP.2024 14:53:05

Lowest Channel / Full RB

N/A



Date: 10.SEP.2024 14:51:54

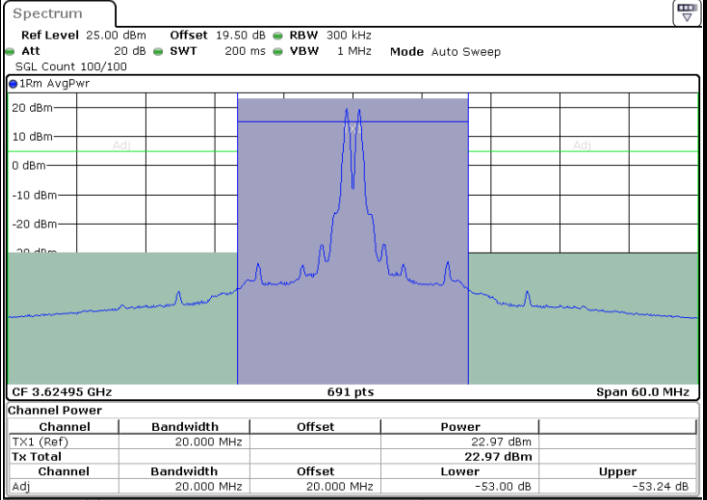
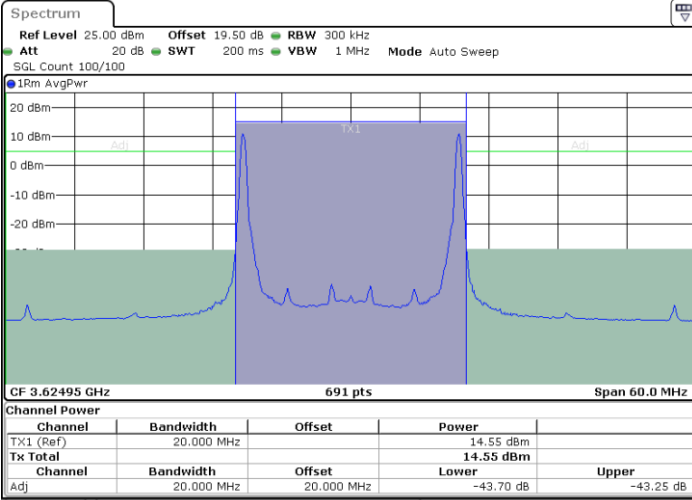


LTE Band 48B / 10MHz+10MHz

QPSK

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0

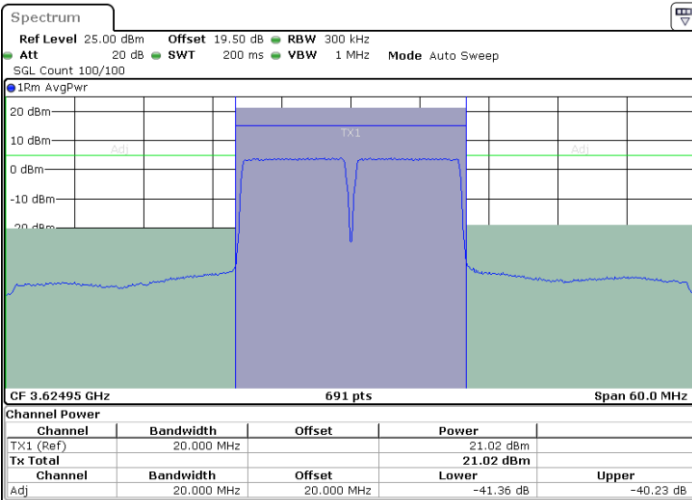


Date: 9.SEP.2024 15:04:08

Date: 9.SEP.2024 15:04:54

Middle Channel / Full RB

N/A



Date: 9.SEP.2024 15:00:16

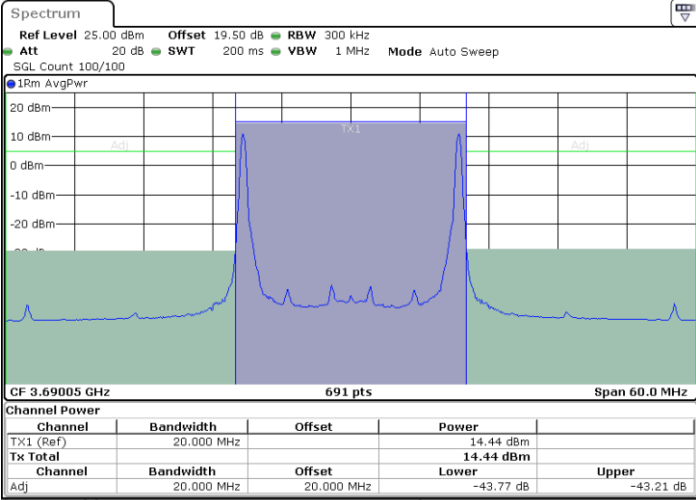


LTE Band 48B / 10MHz+10MHz

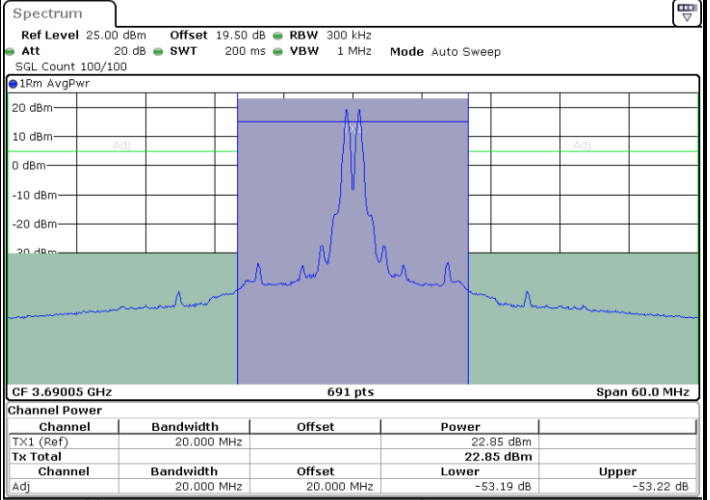
QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



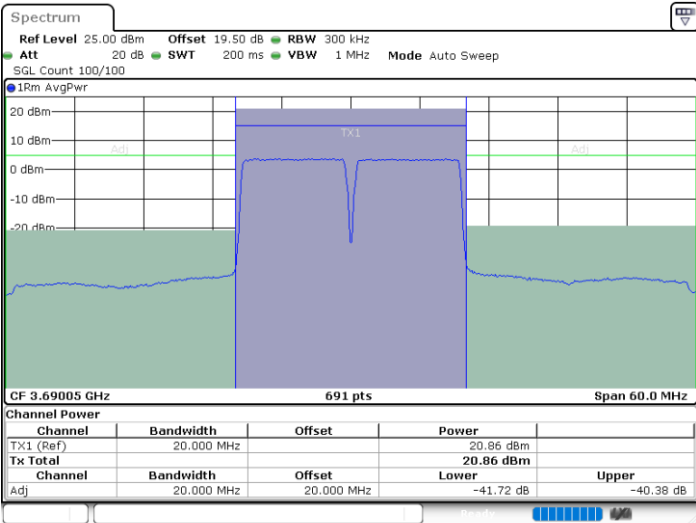
Date: 10.SEP.2024 15:08:12



Date: 10.SEP.2024 13:22:47

Highest Channel / Full RB

N/A



Date: 10.SEP.2024 13:20:27

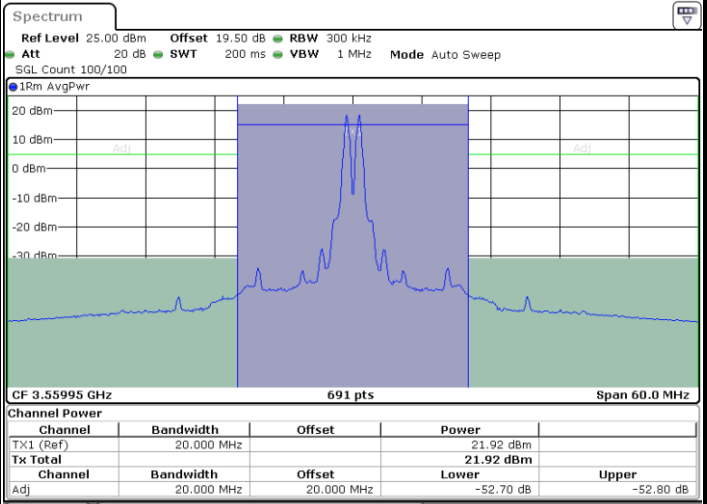
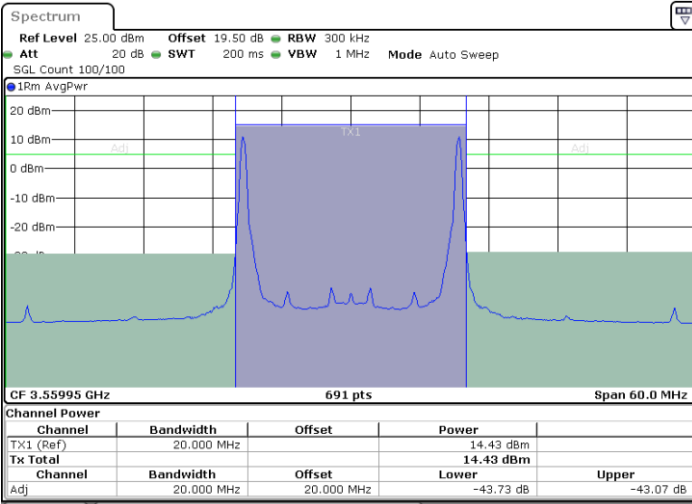


LTE Band 48B / 10MHz+10MHz

16QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0

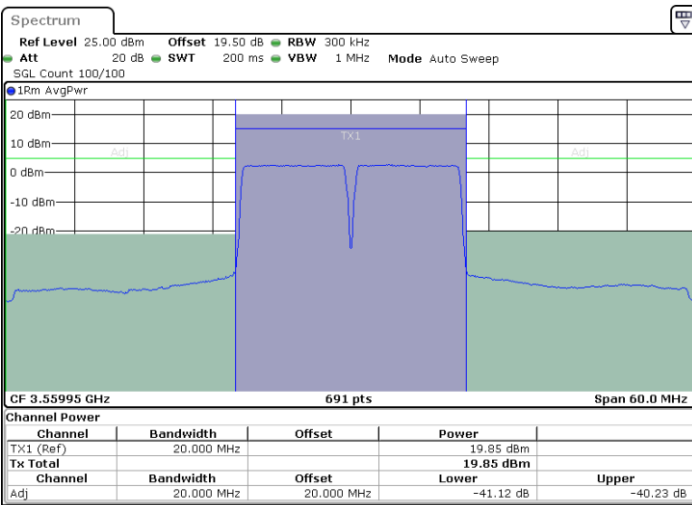


Date: 10.SEP.2024 13:12:18

Date: 10.SEP.2024 14:54:14

Lowest Channel / Full RB

N/A



Date: 10.SEP.2024 13:09:58

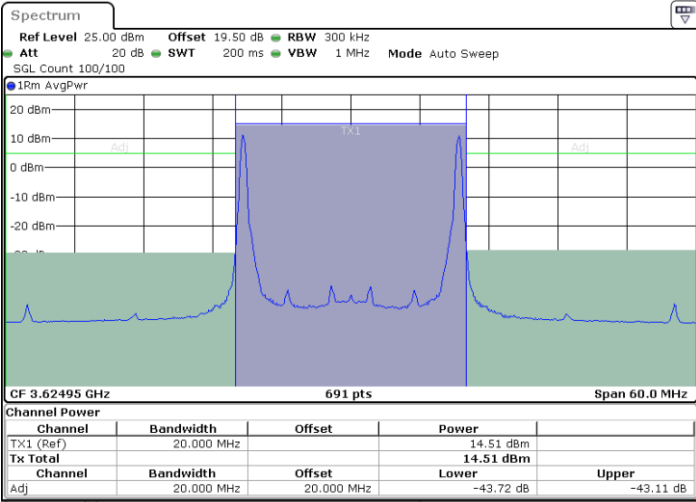


LTE Band 48B / 10MHz+10MHz

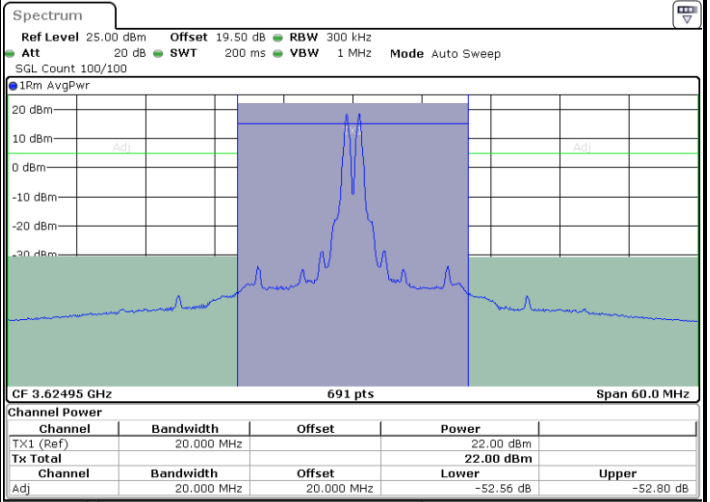
16QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



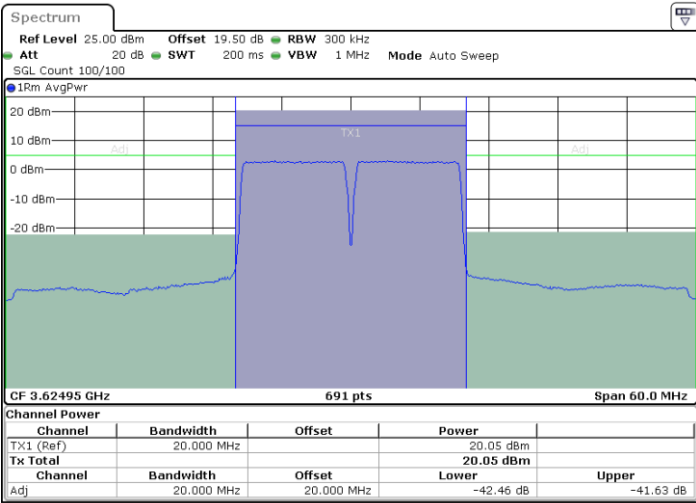
Date: 9.SEP.2024 15:03:21



Date: 9.SEP.2024 15:05:41

Middle Channel / Full RB

N/A



Date: 9.SEP.2024 15:01:02

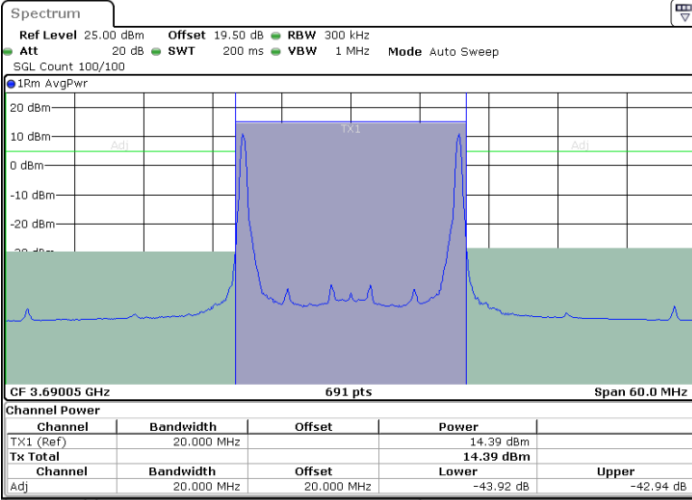


LTE Band 48B / 10MHz+10MHz

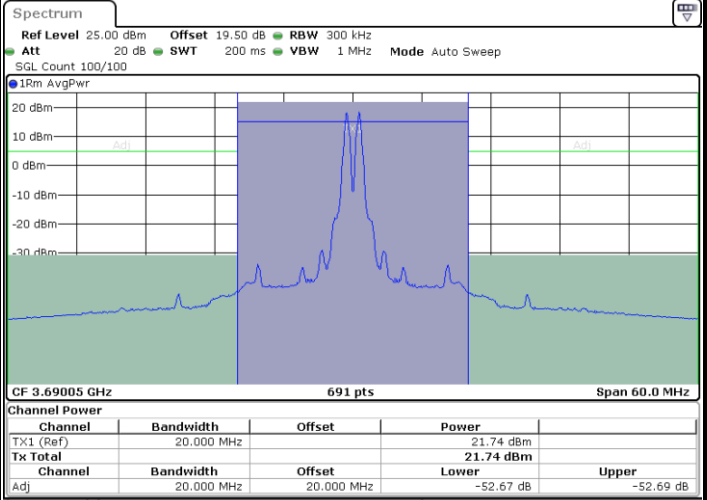
16QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



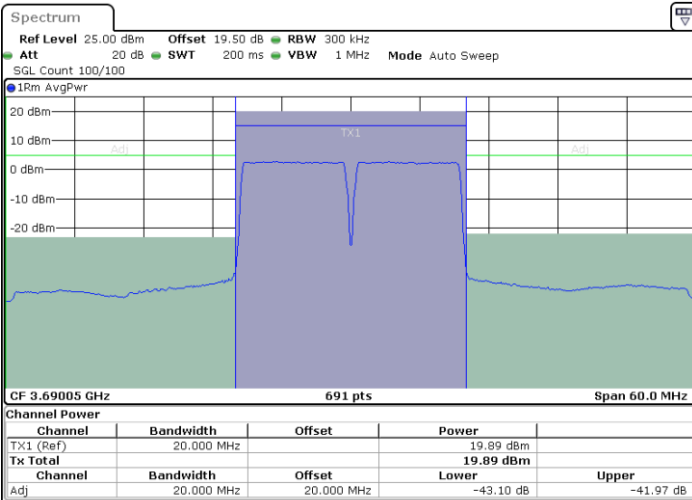
Date: 10.SEP.2024 15:09:02



Date: 10.SEP.2024 13:22:01

Highest Channel / Full RB

N/A



Date: 10.SEP.2024 13:18:55

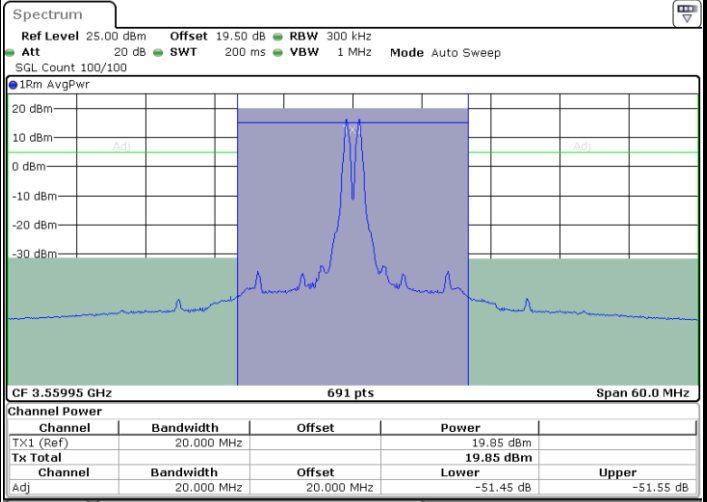
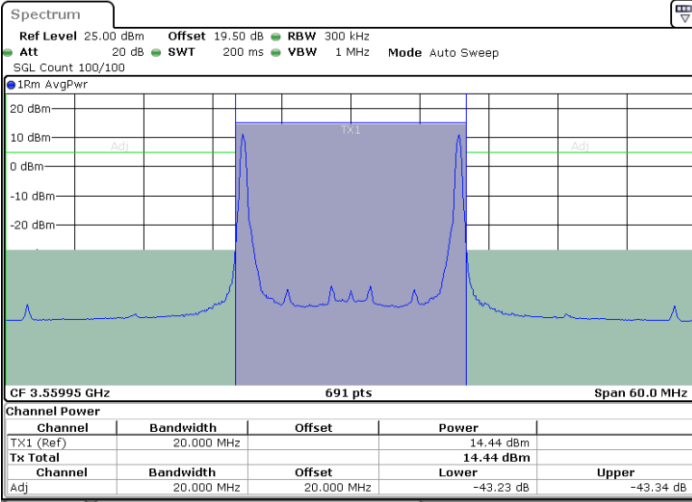


LTE Band 48B / 10MHz+10MHz

64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0

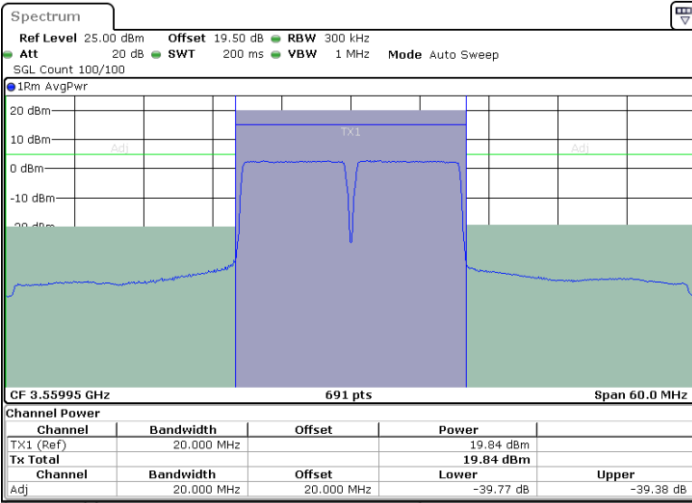


Date: 10.SEP.2024 13:11:32

Date: 10.SEP.2024 14:55:36

Lowest Channel / Full RB

N/A



Date: 10.SEP.2024 13:10:45

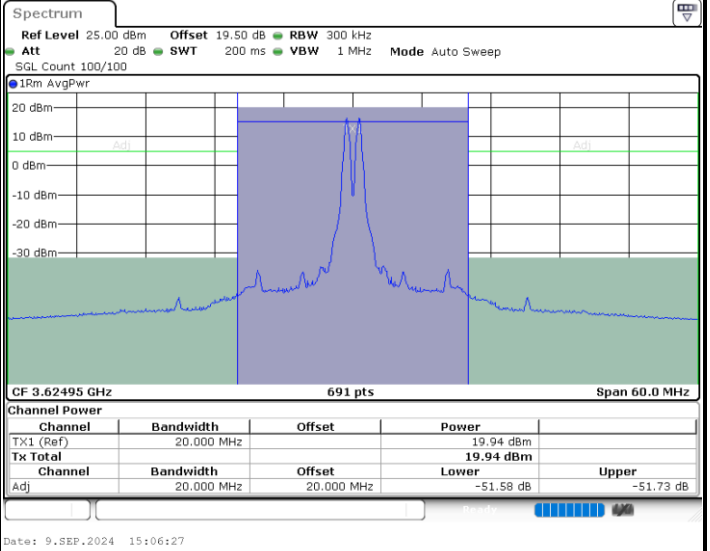
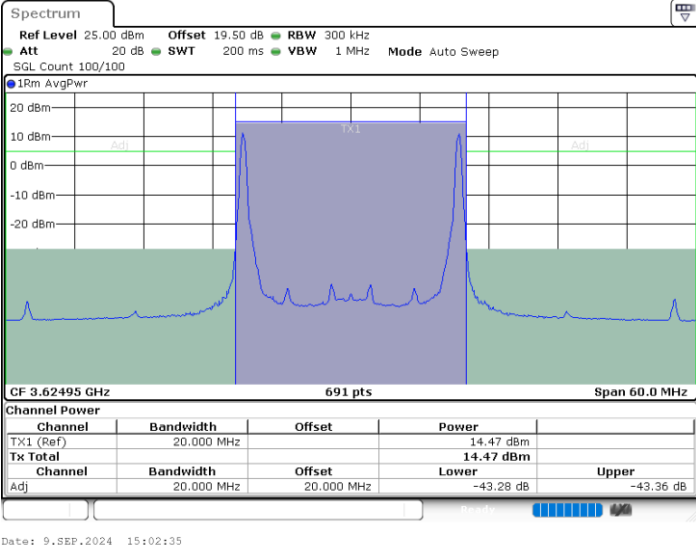


LTE Band 48B / 10MHz+10MHz

64QAM

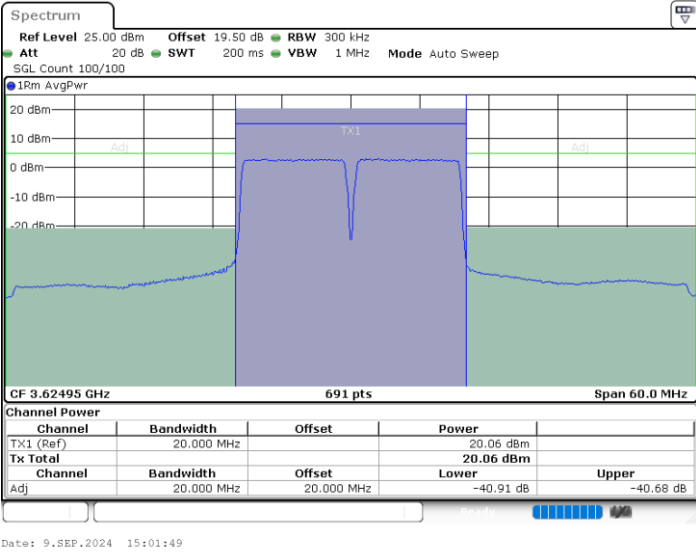
Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



Middle Channel / Full RB

N/A



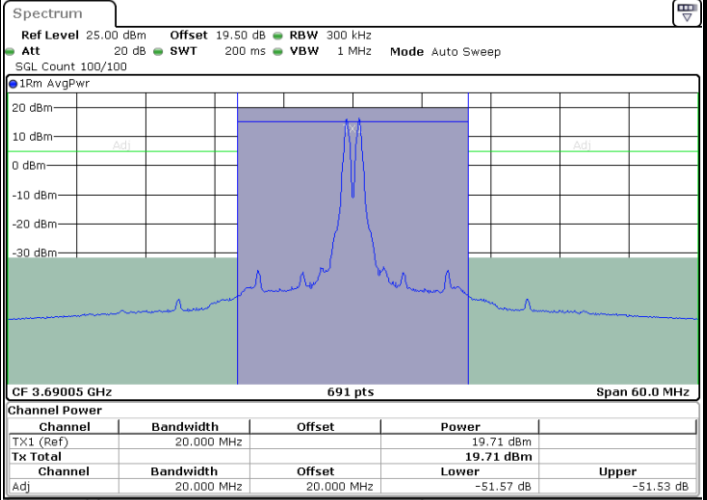
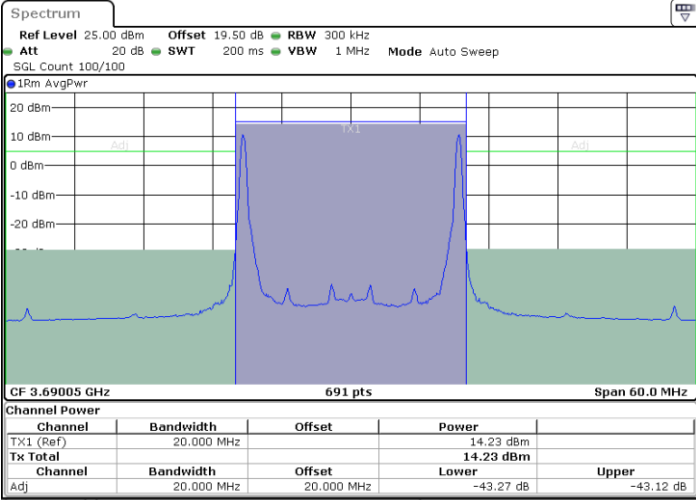


LTE Band 48B / 10MHz+10MHz

64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0

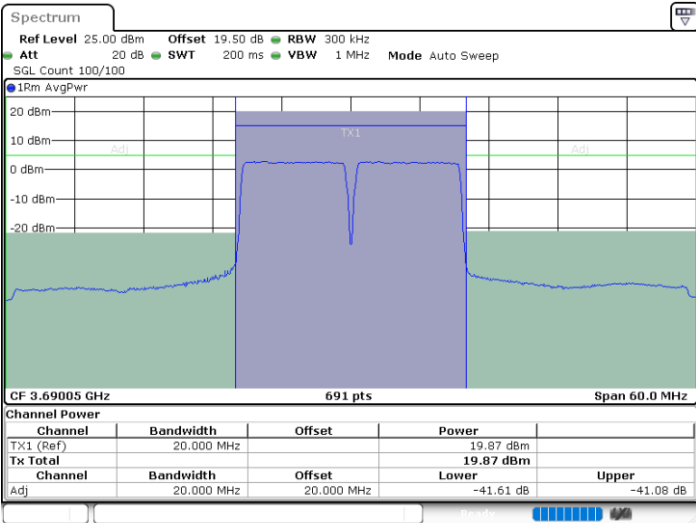


Date: 10.SEP.2024 15:09:57

Date: 10.SEP.2024 13:21:14

Highest Channel / Full RB

N/A



Date: 10.SEP.2024 13:18:09



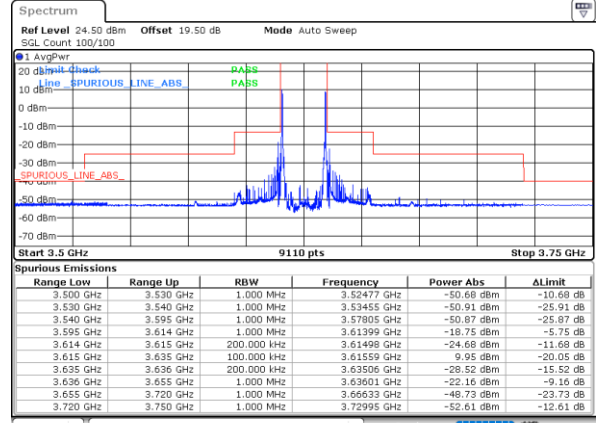
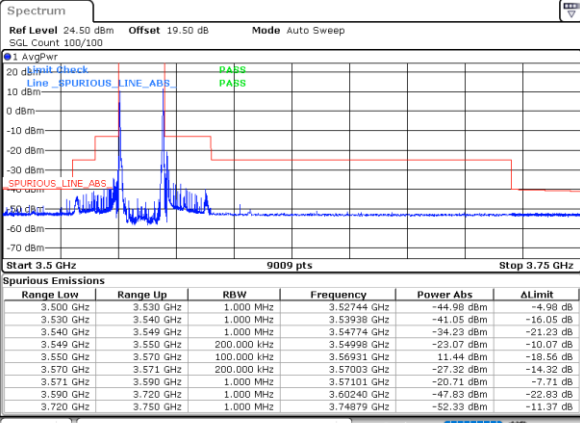
Conducted Band Edge

LTE Band 48B / 10MHz+10MHz

QPSK

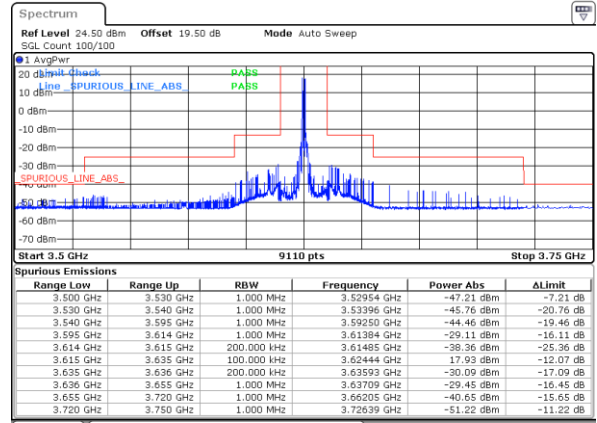
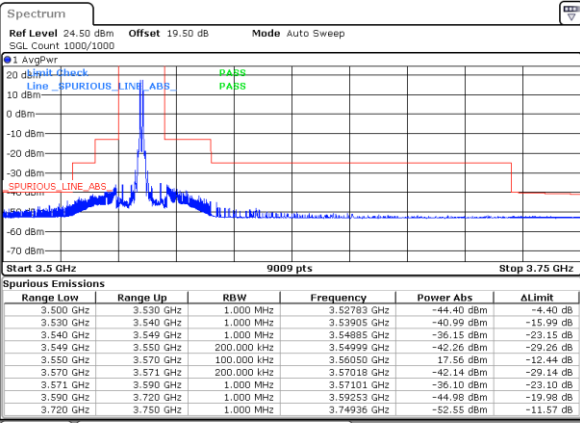
Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49



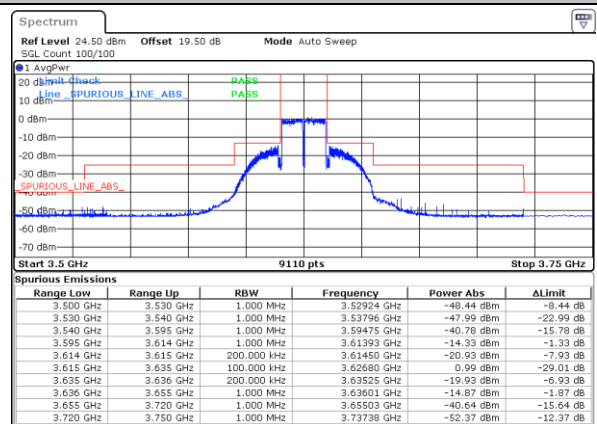
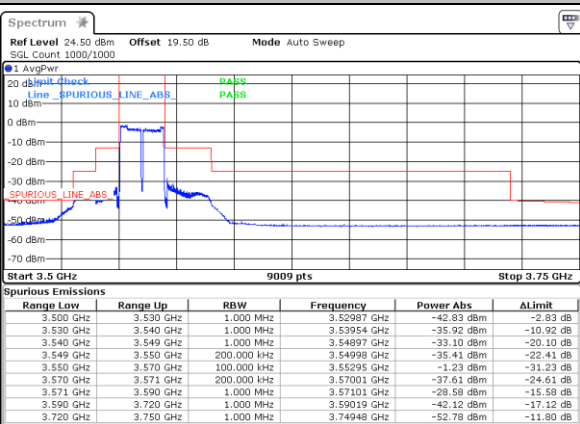
Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 13, SEP, 2024 16:30:59

Date: 9, SEP, 2024 15:11:58