

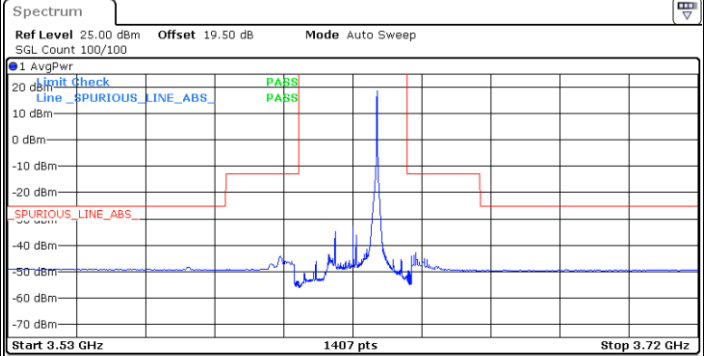
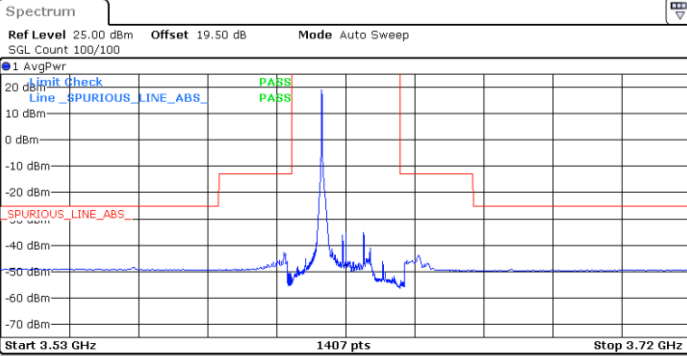


LTE Band 48 / 15MHz

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	3.56627 GHz	-48.40 dBm	-23.40 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60797 GHz	-42.91 dBm	-29.91 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60983 GHz	-50.59 dBm	-37.59 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61836 GHz	18.95 dBm	-11.05 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64020 GHz	-53.57 dBm	-40.57 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64486 GHz	-43.93 dBm	-30.93 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.67060 GHz	-49.18 dBm	-24.18 dB

Spurious Emissions

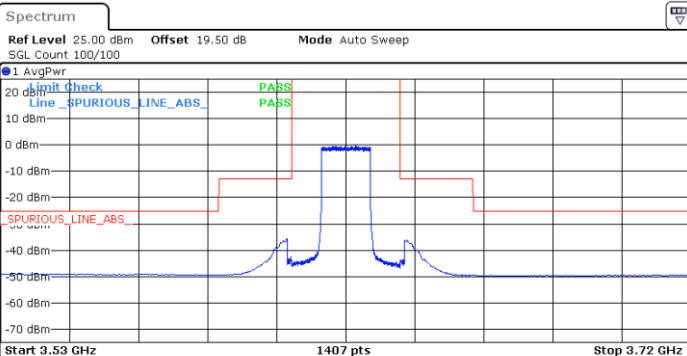
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58000 GHz	-48.38 dBm	-23.38 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60496 GHz	-44.12 dBm	-31.12 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60946 GHz	-53.63 dBm	-40.63 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63169 GHz	18.58 dBm	-11.42 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64029 GHz	-49.91 dBm	-36.91 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64241 GHz	-42.90 dBm	-29.90 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.68373 GHz	-49.03 dBm	-24.03 dB

Date: 21.JAN.2025 03:42:32

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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	3.54537 GHz	-49.08 dBm	-24.08 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60872 GHz	-35.57 dBm	-22.57 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60981 GHz	-42.47 dBm	-29.47 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62775 GHz	-0.34 dBm	-30.34 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64068 GHz	-43.48 dBm	-30.48 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64109 GHz	-36.00 dBm	-23.00 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.71537 GHz	-49.41 dBm	-24.41 dB

Date: 21.JAN.2025 08:48:29

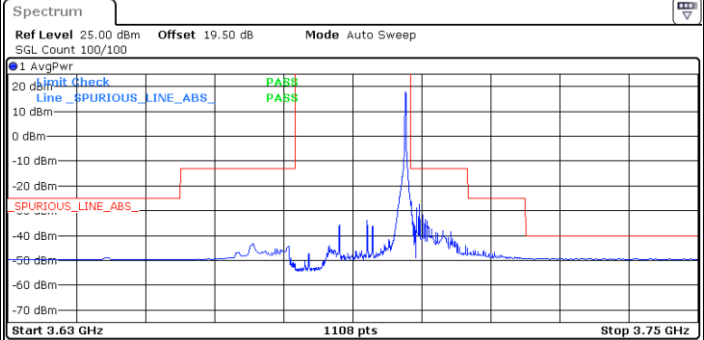
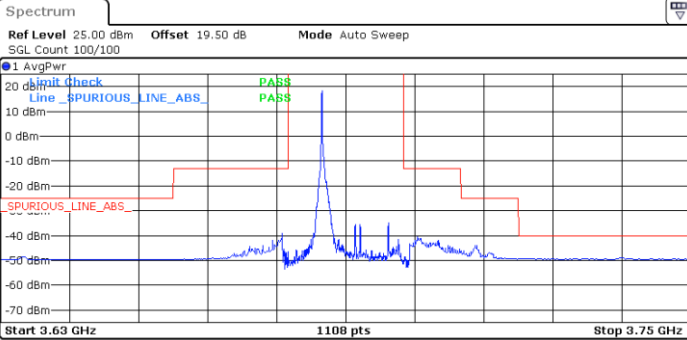


LTE Band 48 / 15MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.63431 GHz	-48.63 dBm	-23.63 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-39.11 dBm	-26.11 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67919 GHz	-45.33 dBm	-32.33 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68586 GHz	18.35 dBm	-11.65 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70022 GHz	-48.58 dBm	-35.58 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70247 GHz	-40.64 dBm	-27.64 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71272 GHz	-43.91 dBm	-18.91 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73797 GHz	-49.04 dBm	-9.04 dB

Spurious Emissions

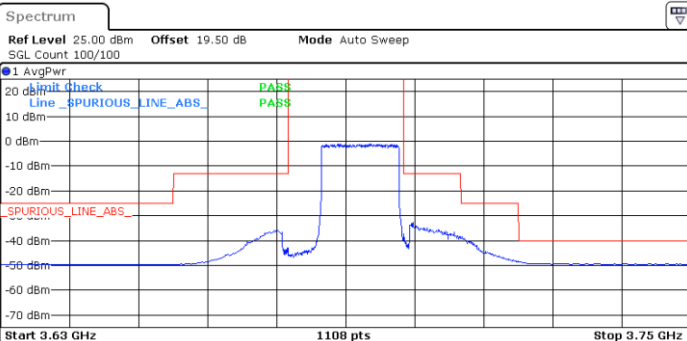
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.64738 GHz	-48.83 dBm	-23.83 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67270 GHz	-43.32 dBm	-30.32 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67917 GHz	-49.06 dBm	-36.06 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69918 GHz	18.09 dBm	-11.91 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70002 GHz	-25.95 dBm	-12.95 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70149 GHz	-27.59 dBm	-14.59 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71094 GHz	-46.00 dBm	-21.00 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72342 GHz	-49.29 dBm	-9.29 dB

Date: 21.JAN.2025 09:56:18

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Highest Channel / FullRB

N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65985 GHz	-49.49 dBm	-24.49 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67797 GHz	-35.51 dBm	-22.51 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67908 GHz	-42.79 dBm	-29.79 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69439 GHz	-1.11 dBm	-31.11 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70000 GHz	-37.45 dBm	-24.45 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70167 GHz	-32.64 dBm	-19.64 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71025 GHz	-38.43 dBm	-13.43 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-48.50 dBm	-8.50 dB

Date: 21.JAN.2025 09:05:18

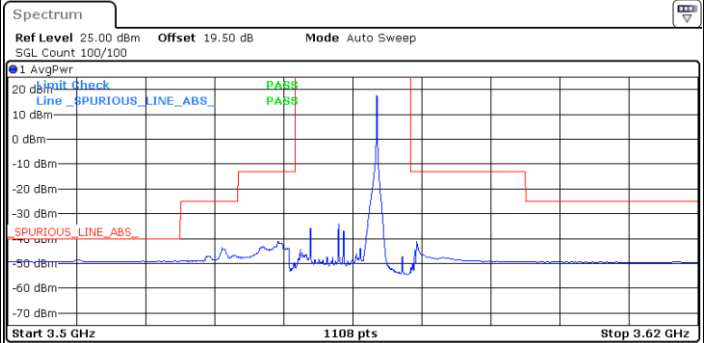
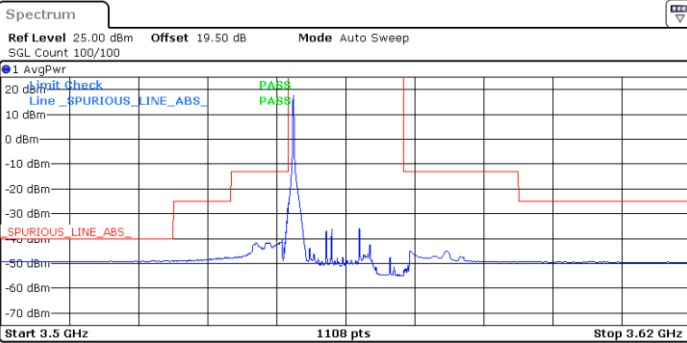


LTE Band 48 / 15MHz

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	3.52896 GHz	-49.02 dBm	-9.02 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53896 GHz	-47.60 dBm	-22.60 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54896 GHz	-40.02 dBm	-27.02 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.55000 GHz	-25.81 dBm	-12.81 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55082 GHz	17.66 dBm	-12.34 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57082 GHz	-50.86 dBm	-37.86 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-44.92 dBm	-31.92 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.60292 GHz	-49.13 dBm	-24.13 dB

Spurious Emissions

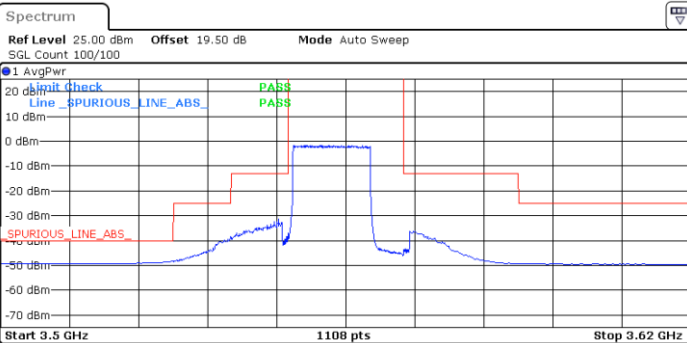
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51233 GHz	-48.57 dBm	-8.57 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53728 GHz	-43.79 dBm	-18.79 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54708 GHz	-41.07 dBm	-28.07 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54980 GHz	-49.66 dBm	-36.66 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56414 GHz	17.44 dBm	-12.56 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57080 GHz	-44.22 dBm	-31.22 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-41.31 dBm	-28.31 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.61599 GHz	-49.27 dBm	-24.27 dB

Date: 21.JAN.2025 03:08:58

Date: 21.JAN.2025 03:16:29

Lowest Channel / FullIRB

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	-48.33 dBm	-8.33 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53995 GHz	-38.47 dBm	-13.47 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54893 GHz	-31.28 dBm	-18.28 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54996 GHz	-37.01 dBm	-24.01 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55571 GHz	-1.63 dBm	-31.63 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57038 GHz	-43.38 dBm	-30.38 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57203 GHz	-36.23 dBm	-23.23 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59045 GHz	-49.23 dBm	-24.23 dB

Date: 21.JAN.2025 03:17:59

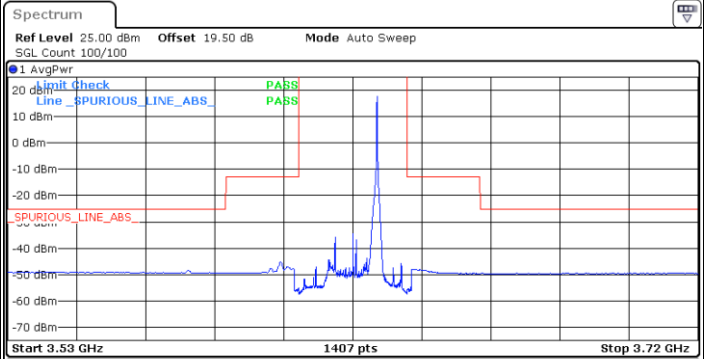
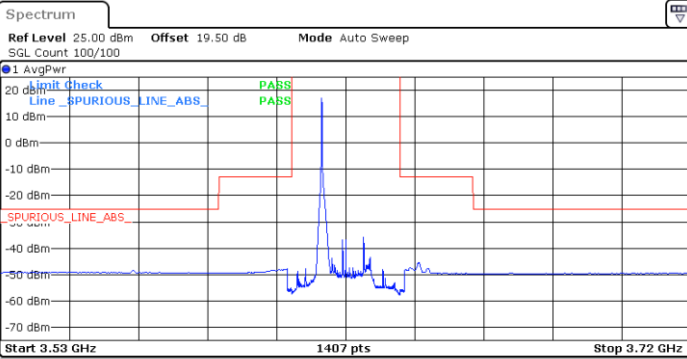


LTE Band 48 / 15MHz

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	3.56657 GHz	-48.46 dBm	-23.46 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60891 GHz	-47.91 dBm	-34.91 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60978 GHz	-54.93 dBm	-41.93 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61831 GHz	17.05 dBm	-12.95 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64000 GHz	-55.62 dBm	-42.62 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64504 GHz	-45.28 dBm	-32.28 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.70761 GHz	-49.36 dBm	-24.36 dB

Spurious Emissions

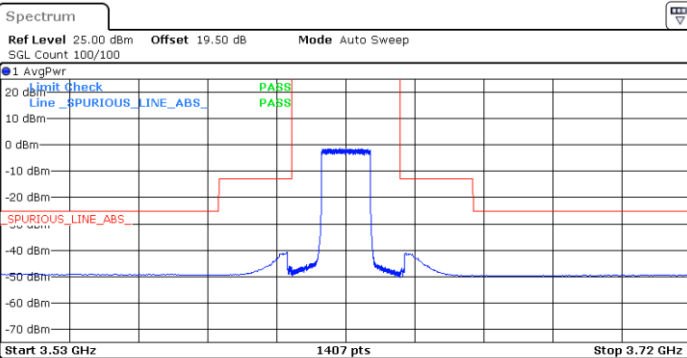
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.57970 GHz	-48.49 dBm	-23.49 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60514 GHz	-45.01 dBm	-32.01 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60999 GHz	-55.22 dBm	-42.22 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63169 GHz	17.70 dBm	-12.30 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64085 GHz	-54.83 dBm	-41.83 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64109 GHz	-47.99 dBm	-34.99 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.68343 GHz	-49.35 dBm	-24.35 dB

Date: 21.JAN.2025 16:39:51

Date: 21.JAN.2025 03:36:16

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	3.53761 GHz	-49.09 dBm	-24.09 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60872 GHz	-40.66 dBm	-27.66 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60947 GHz	-46.10 dBm	-33.10 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62325 GHz	-1.41 dBm	-31.41 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64033 GHz	-46.81 dBm	-33.81 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64147 GHz	-41.15 dBm	-28.15 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.71358 GHz	-49.40 dBm	-24.40 dB

Date: 21.JAN.2025 08:50:03

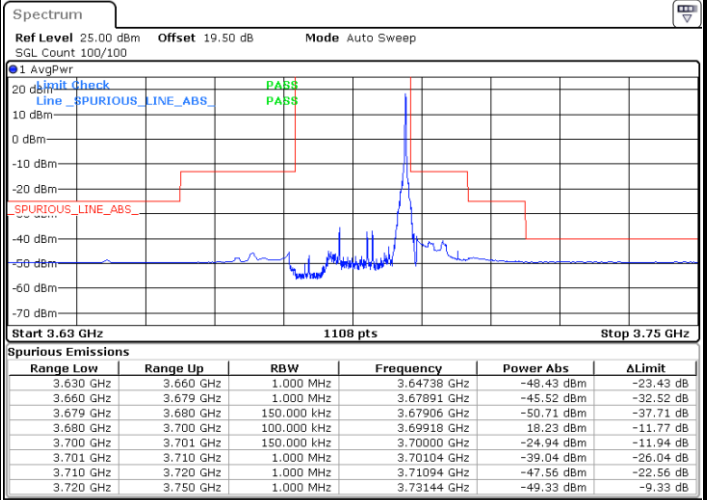
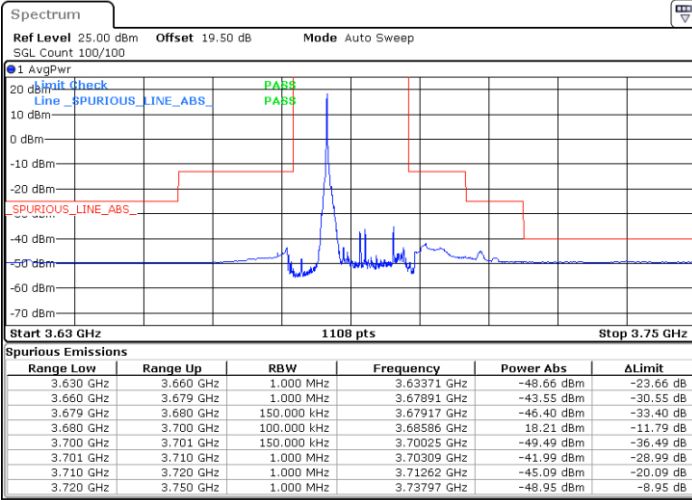


LTE Band 48 / 15MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

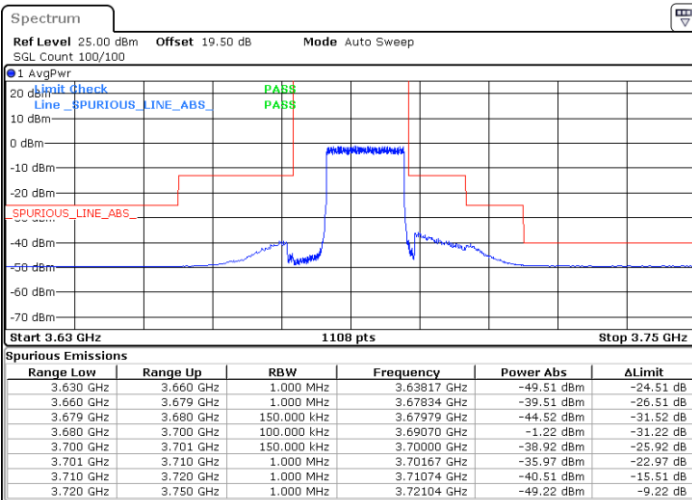


Date: 21.JAN.2025 09:54:48

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Highest Channel / FullRB

N/A



Date: 21.JAN.2025 09:03:48

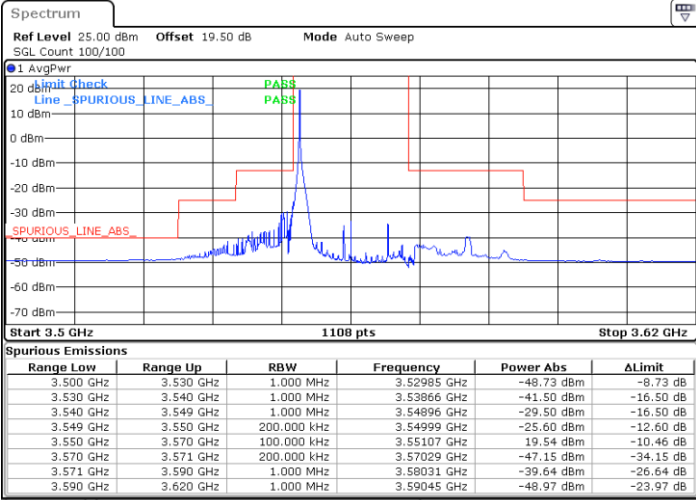


LTE Band 48 / 20MHz

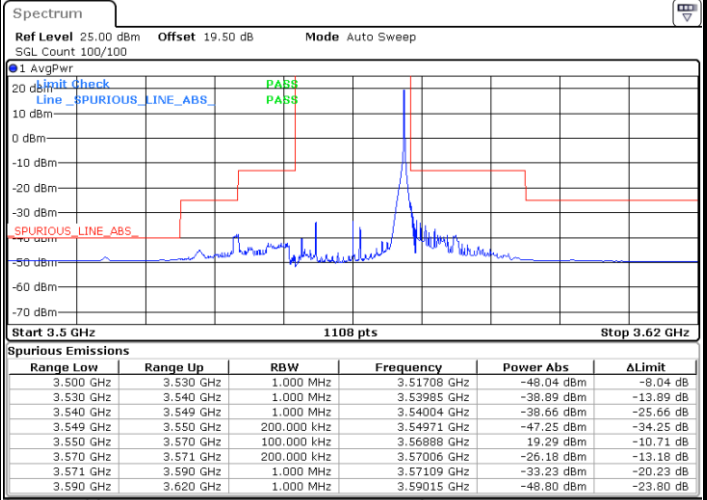
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



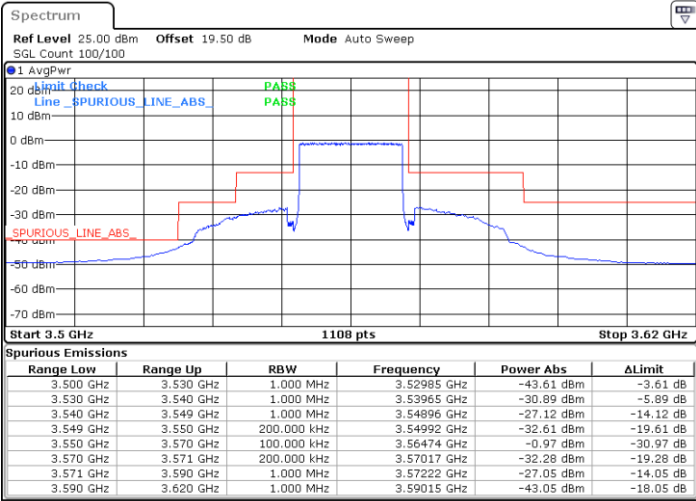
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Lowest Channel / FullIRB

N/A



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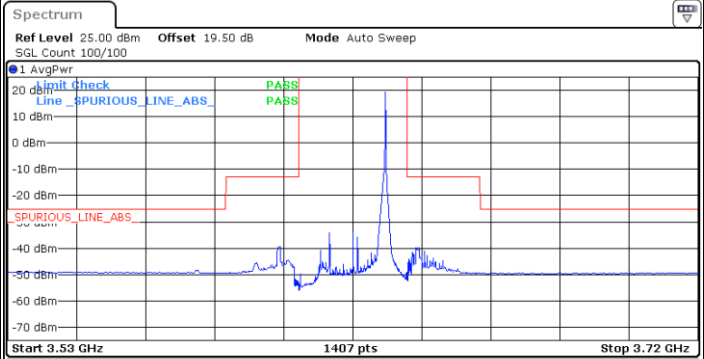
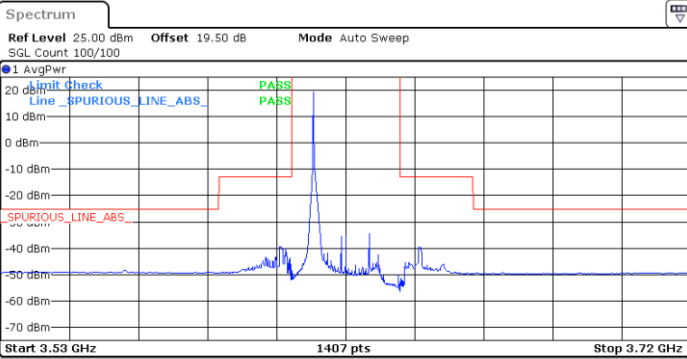


LTE Band 48 / 20MHz

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	3.56448 GHz	-48.33 dBm	-23.33 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60702 GHz	-39.32 dBm	-26.32 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60966 GHz	-43.81 dBm	-30.81 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61611 GHz	19.24 dBm	-10.76 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64005 GHz	-51.55 dBm	-38.55 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64523 GHz	-39.61 dBm	-26.61 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66791 GHz	-49.05 dBm	-24.05 dB

Spurious Emissions

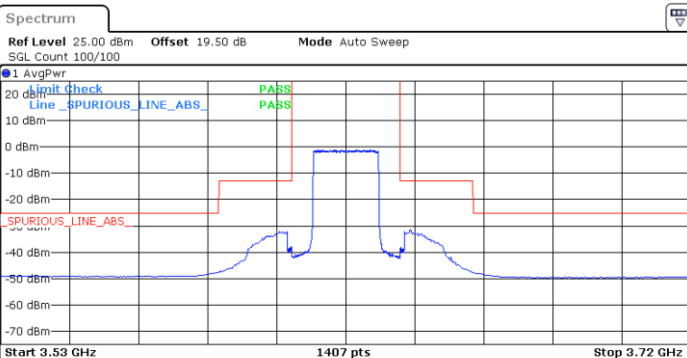
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58209 GHz	-48.27 dBm	-23.27 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60477 GHz	-39.35 dBm	-26.35 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60906 GHz	-51.84 dBm	-38.84 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63389 GHz	19.33 dBm	-10.67 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64040 GHz	-44.09 dBm	-31.09 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64241 GHz	-39.82 dBm	-26.82 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.68582 GHz	-49.34 dBm	-24.34 dB

Date: 21.JAN.2025 09:40:13

Date: 21.JAN.2025 09:32:28

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	3.58925 GHz	-47.70 dBm	-22.70 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60684 GHz	-32.18 dBm	-19.18 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60996 GHz	-37.69 dBm	-24.69 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62974 GHz	-1.09 dBm	-31.09 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64023 GHz	-38.20 dBm	-25.20 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64279 GHz	-31.52 dBm	-18.52 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66015 GHz	-47.73 dBm	-22.73 dB

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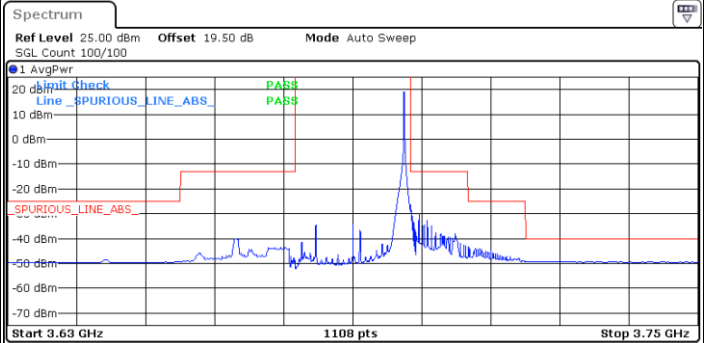
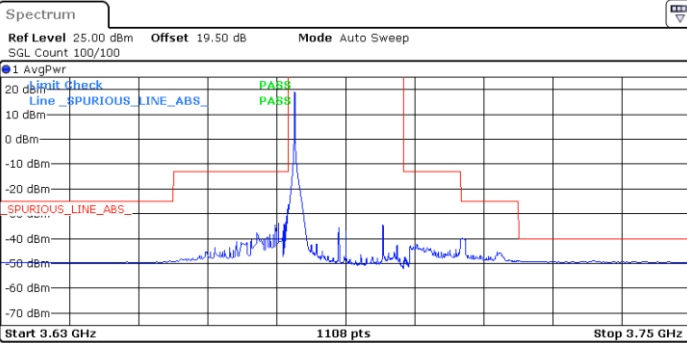


LTE Band 48 / 20MHz

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	3.65955 GHz	-49.12 dBm	-24.12 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67834 GHz	-33.63 dBm	-20.63 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67998 GHz	-26.39 dBm	-13.39 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68107 GHz	18.91 dBm	-11.09 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70029 GHz	-47.61 dBm	-34.61 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70996 GHz	-40.24 dBm	-27.24 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71025 GHz	-39.84 dBm	-14.84 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73292 GHz	-48.77 dBm	-8.77 dB

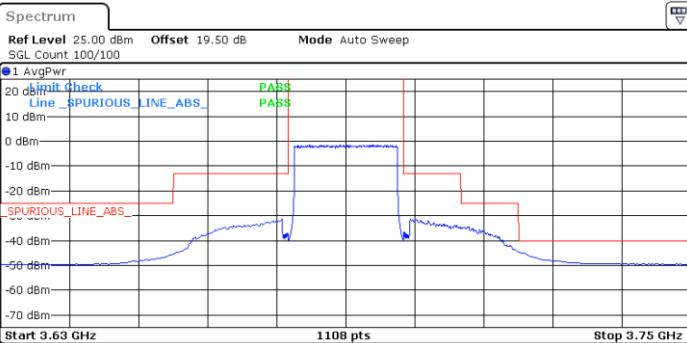
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.64678 GHz	-48.56 dBm	-23.56 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.66988 GHz	-40.05 dBm	-27.05 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67916 GHz	-47.32 dBm	-34.32 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69888 GHz	18.86 dBm	-11.14 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70001 GHz	-26.33 dBm	-13.33 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70158 GHz	-29.94 dBm	-16.94 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71005 GHz	-43.44 dBm	-18.44 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-49.13 dBm	-9.13 dB

Date: 21.JAN.2025 09:46:49

Date: 21.JAN.2025 09:54:19

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	-45.82 dBm	-20.82 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-31.34 dBm	-18.34 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67986 GHz	-36.90 dBm	-23.90 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69474 GHz	-1.46 dBm	-31.46 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70012 GHz	-36.68 dBm	-23.68 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70122 GHz	-31.37 dBm	-18.37 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71134 GHz	-34.40 dBm	-9.40 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-44.67 dBm	-4.67 dB

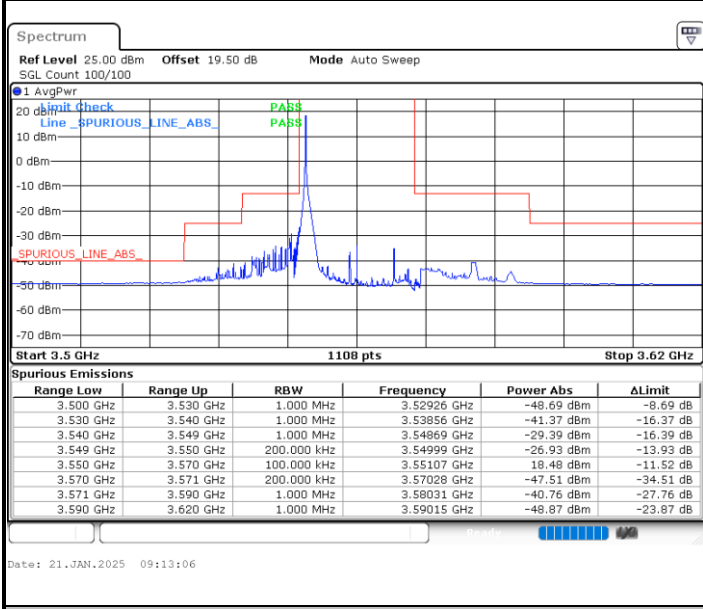
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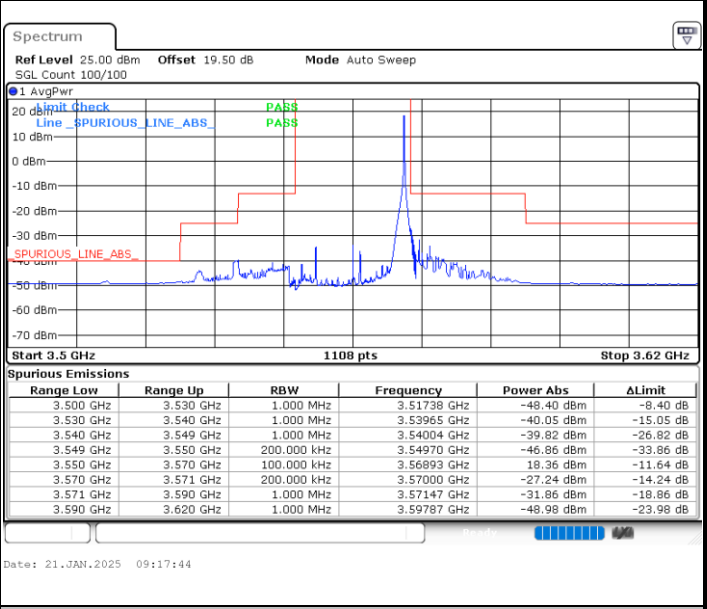
**LTE Band 48 / 20MHz**

**16QAM**

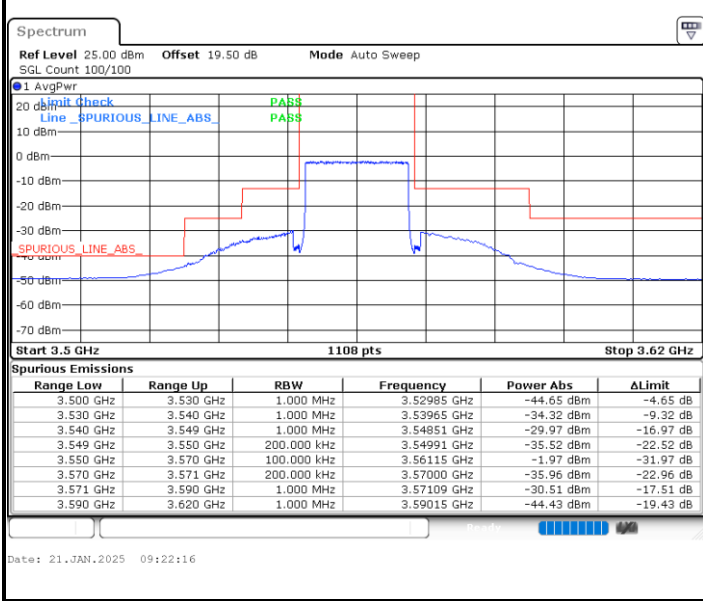
**Lowest Channel / 1RB0**



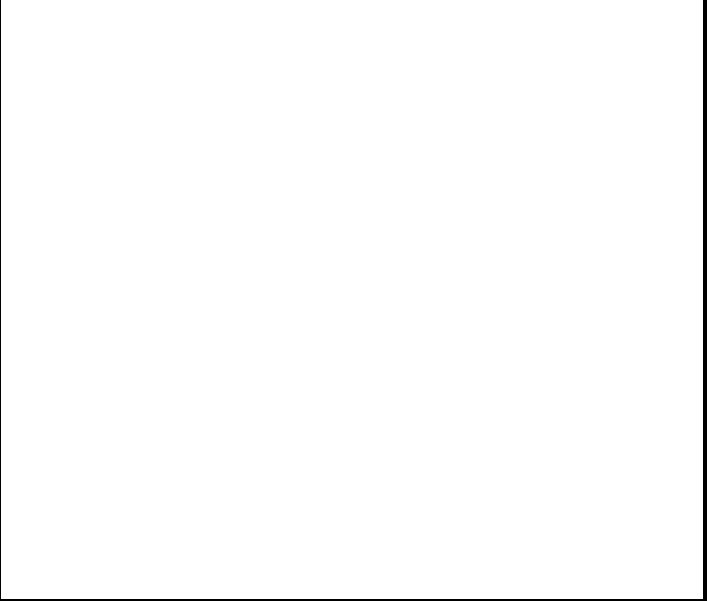
**Lowest Channel / 1RBmax**



**Lowest Channel / FullIRB**



**N/A**



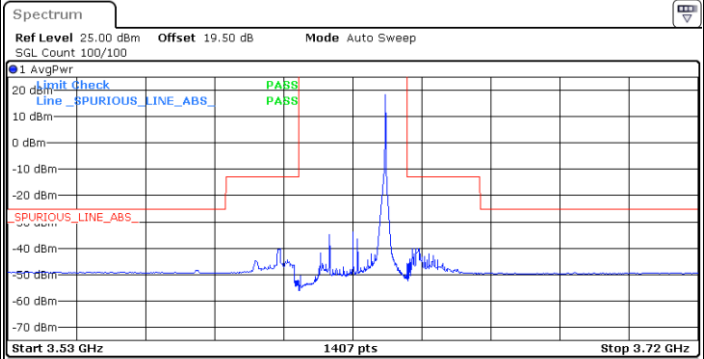
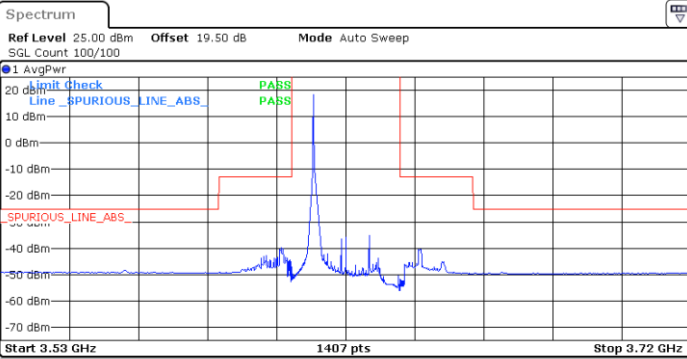


LTE Band 48 / 20MHz

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	3.56448 GHz	-48.37 dBm	-23.37 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60721 GHz	-39.91 dBm	-26.91 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60968 GHz	-44.56 dBm	-31.56 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61611 GHz	18.41 dBm	-11.59 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64001 GHz	-51.78 dBm	-38.78 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64561 GHz	-40.36 dBm	-27.36 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66791 GHz	-49.12 dBm	-24.12 dB

Spurious Emissions

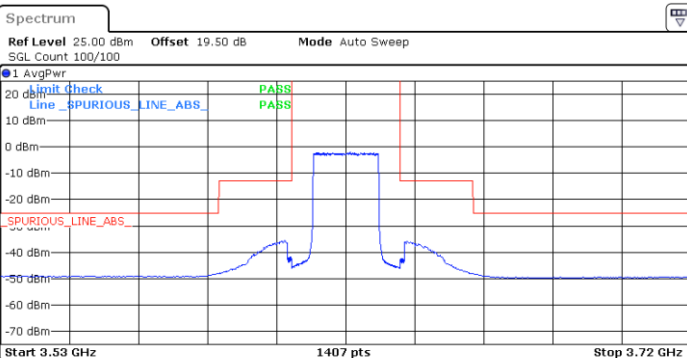
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58239 GHz	-48.37 dBm	-23.37 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60496 GHz	-40.12 dBm	-27.12 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60998 GHz	-51.96 dBm	-38.96 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63394 GHz	18.34 dBm	-11.66 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64073 GHz	-44.07 dBm	-31.07 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-40.16 dBm	-27.16 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.68612 GHz	-49.10 dBm	-24.10 dB

Date: 21.JAN.2025 09:38:40

Date: 21.JAN.2025 09:34:01

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	3.58985 GHz	-48.14 dBm	-23.14 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60815 GHz	-35.61 dBm	-22.61 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60957 GHz	-41.76 dBm	-28.76 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62615 GHz	-1.99 dBm	-31.99 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64023 GHz	-42.32 dBm	-29.32 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64185 GHz	-35.92 dBm	-22.92 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66015 GHz	-48.24 dBm	-23.24 dB

Date: 21.JAN.2025 09:29:21

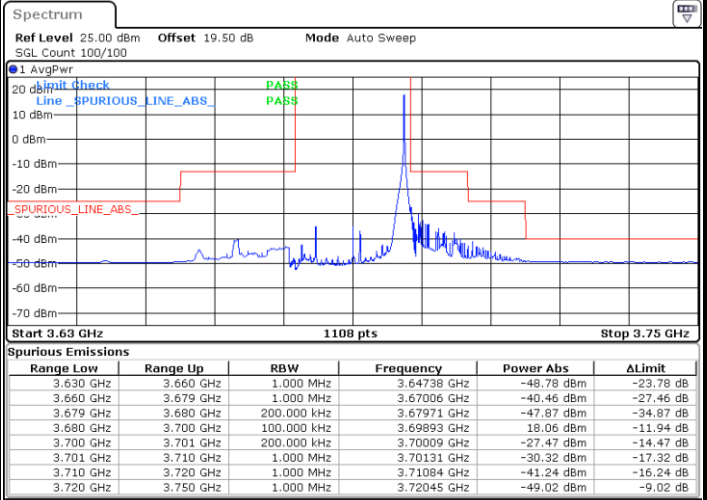
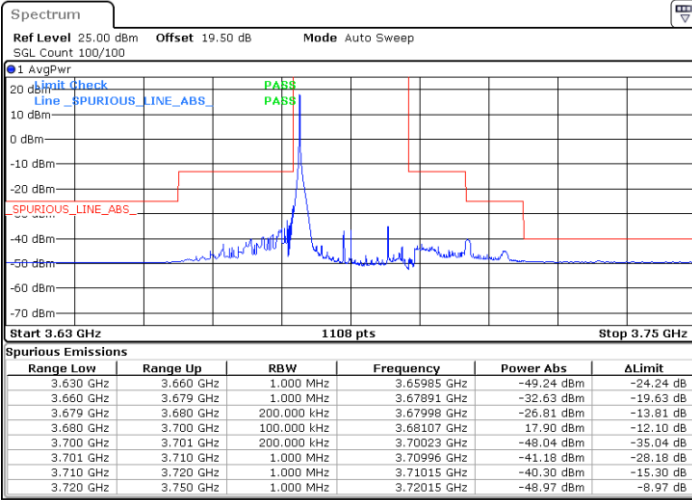


LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

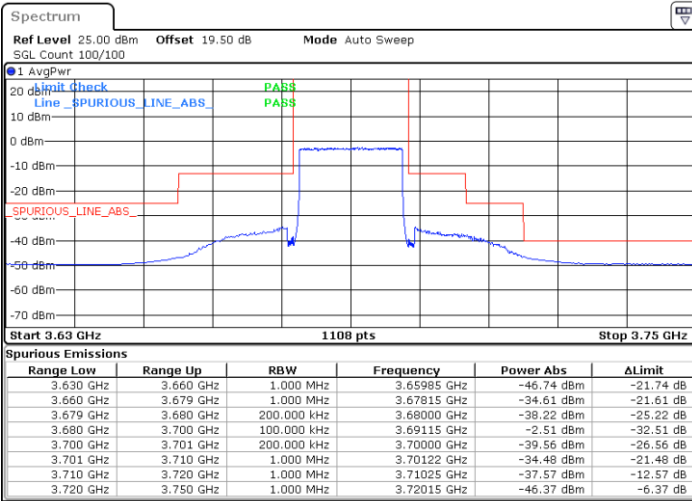


Date: 21.JAN.2025 09:48:19

Date: 21.JAN.2025 09:52:49

Highest Channel / FullRB

N/A



Date: 21.JAN.2025 09:57:22

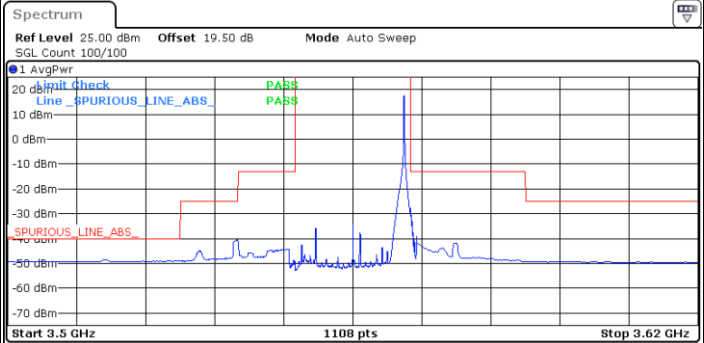
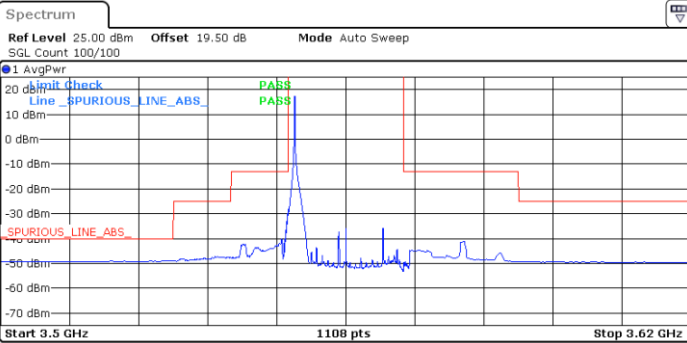


LTE Band 48 / 20MHz

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	-48.99 dBm	-8.99 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53728 GHz	-47.18 dBm	-22.18 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54878 GHz	-40.31 dBm	-27.31 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54999 GHz	-28.12 dBm	-15.12 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55107 GHz	17.34 dBm	-12.66 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57030 GHz	-49.13 dBm	-36.13 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.58050 GHz	-41.26 dBm	-28.26 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59015 GHz	-49.20 dBm	-24.20 dB

Spurious Emissions

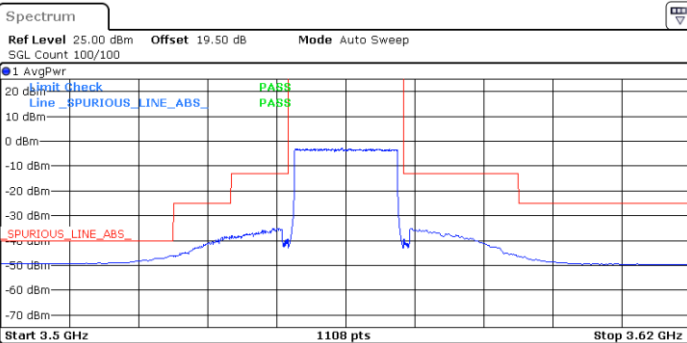
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51708 GHz	-48.50 dBm	-8.50 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53985 GHz	-40.47 dBm	-15.47 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54004 GHz	-41.12 dBm	-28.12 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54971 GHz	-48.66 dBm	-35.66 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56893 GHz	17.50 dBm	-12.50 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57002 GHz	-27.72 dBm	-14.72 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-39.18 dBm	-26.18 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59104 GHz	-49.24 dBm	-24.24 dB

Date: 21.JAN.2025 09:14:40

Date: 21.JAN.2025 09:16:10

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	3.52955 GHz	-46.27 dBm	-6.27 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53896 GHz	-38.38 dBm	-13.38 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54815 GHz	-35.06 dBm	-22.06 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54992 GHz	-39.38 dBm	-26.38 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55940 GHz	-2.85 dBm	-32.85 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57010 GHz	-39.43 dBm	-26.43 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57147 GHz	-35.13 dBm	-22.13 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59015 GHz	-46.36 dBm	-21.36 dB

Date: 21.JAN.2025 09:23:46

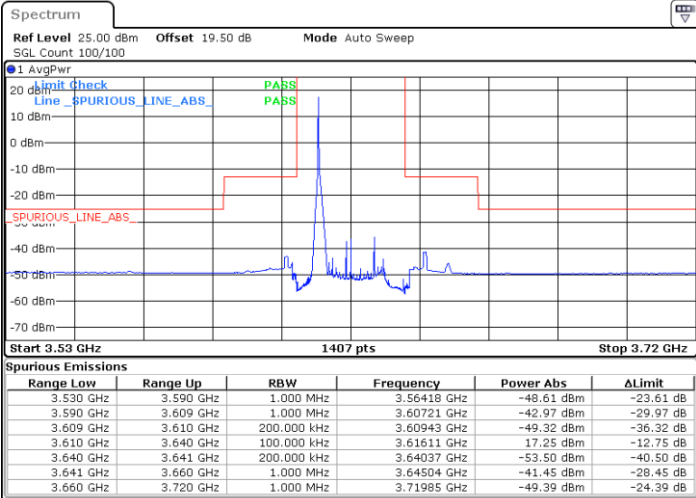


LTE Band 48 / 20MHz

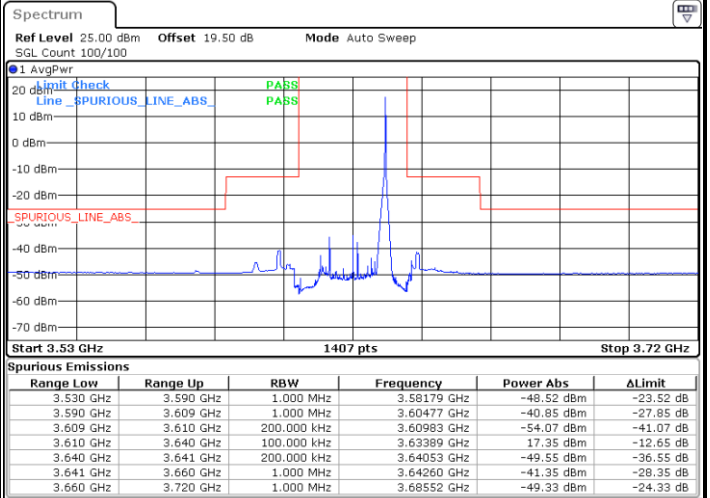
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



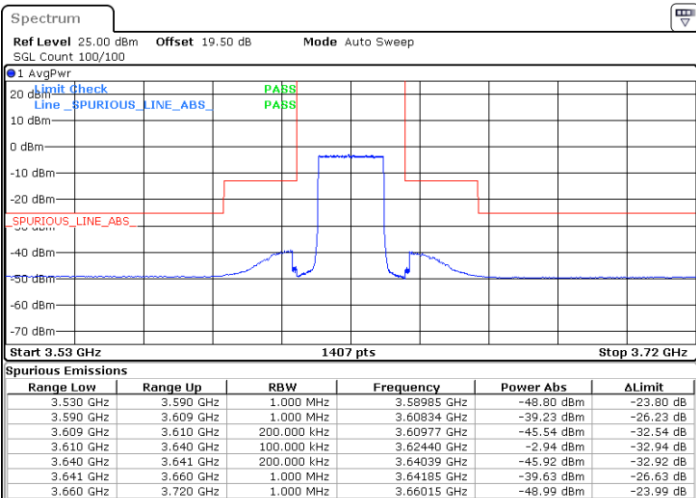
Date: 21.JAN.2025 09:37:07



Date: 21.JAN.2025 09:35:34

Middle Channel / FullIRB

N/A



Date: 21.JAN.2025 09:27:48

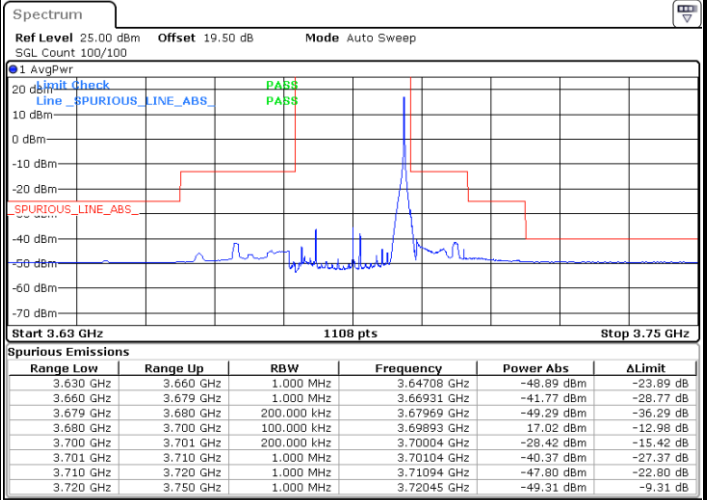
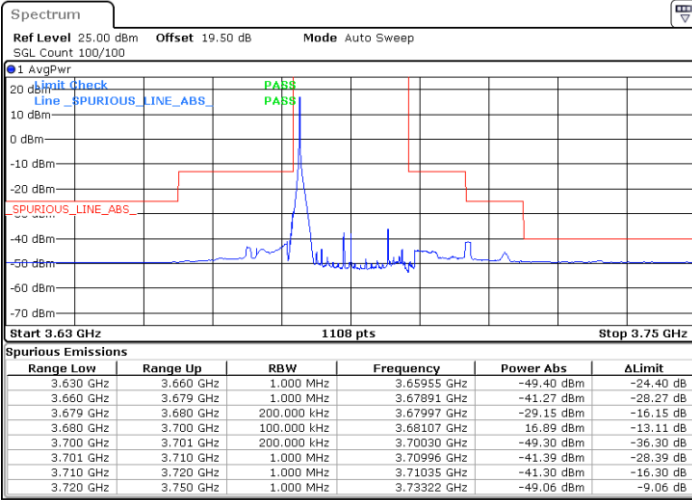


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

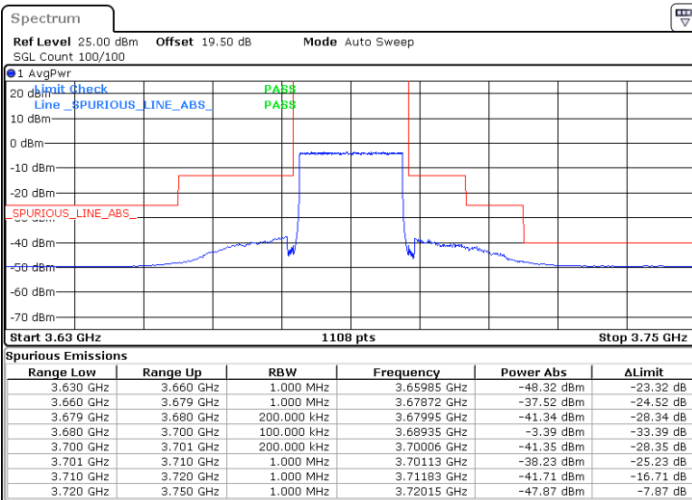


Date: 21.JAN.2025 09:49:49

Date: 21.JAN.2025 09:51:19

Highest Channel / FullRB

N/A



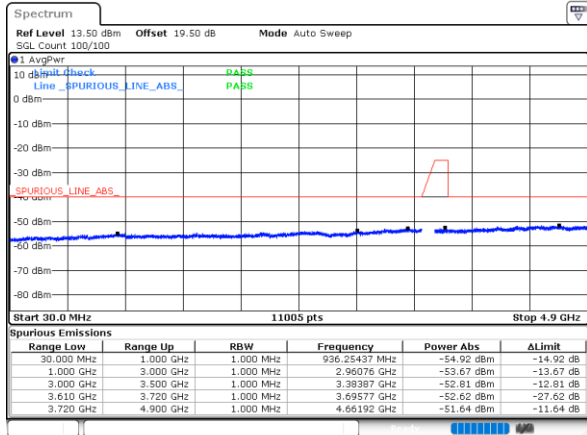
Date: 21.JAN.2025 09:58:53



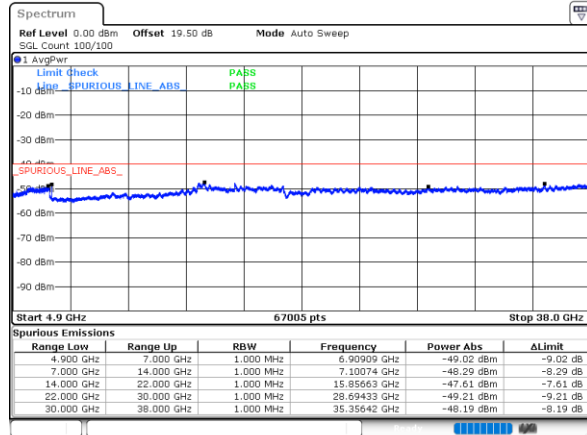
# Conducted Spurious Emission

## LTE Band 48 / 5MHz

### Lowest Channel / QPSK

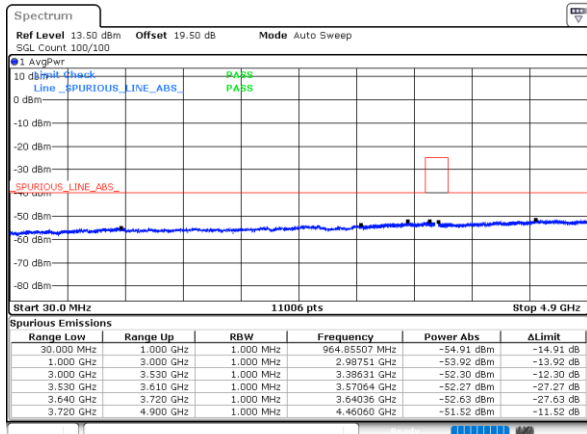


Date: 21\_JAN\_2025 01:02:07

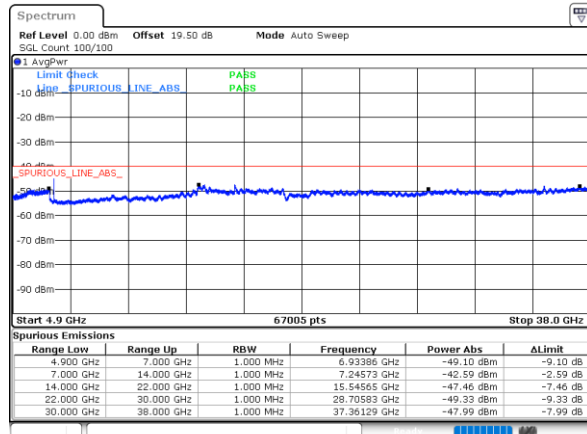


Date: 21\_JAN\_2025 01:03:14

### Middle Channel / QPSK

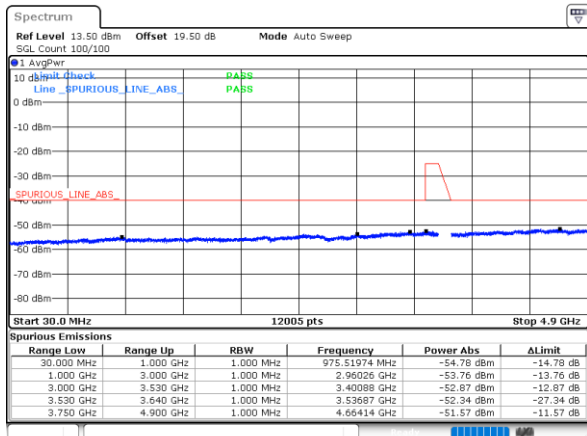


Date: 21\_JAN\_2025 01:25:51

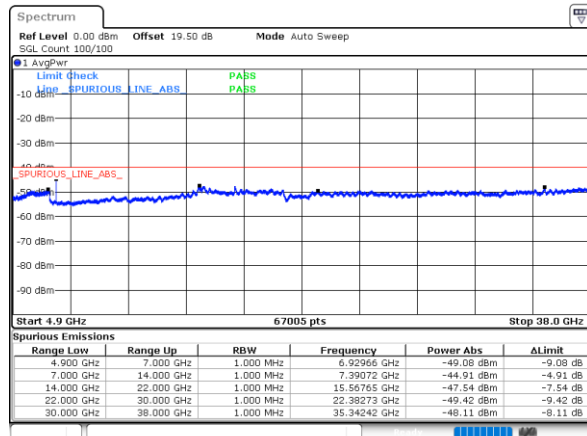


Date: 21\_JAN\_2025 01:26:58

### Highest Channel / QPSK



Date: 21\_JAN\_2025 01:48:49

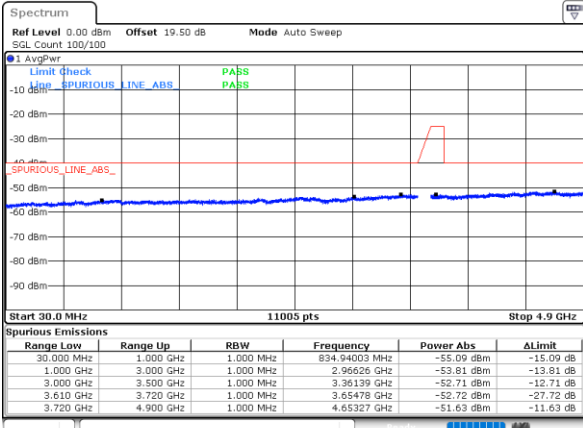


Date: 21\_JAN\_2025 01:49:57

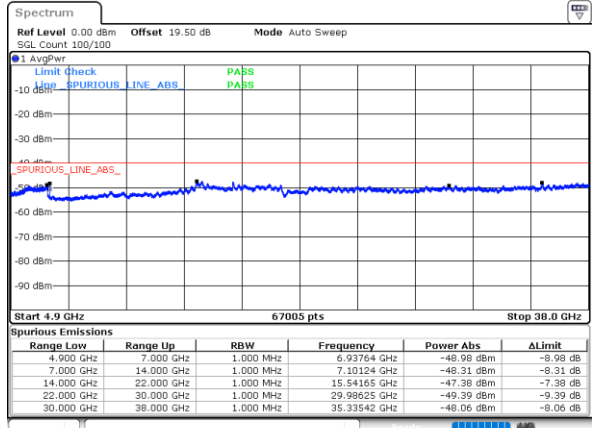


LTE Band 48 / 10MHz

Lowest Channel / QPSK

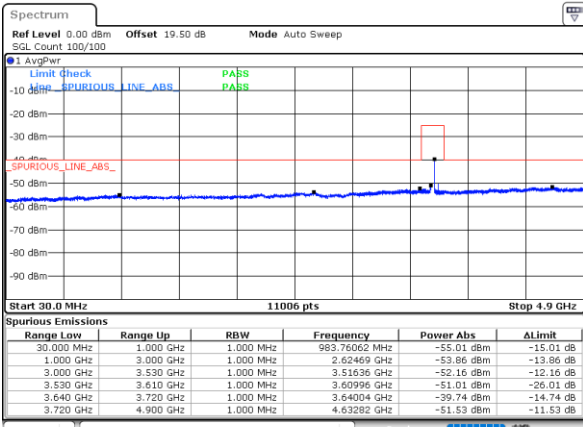


Date: 21\_JAN\_2025 02:12:15

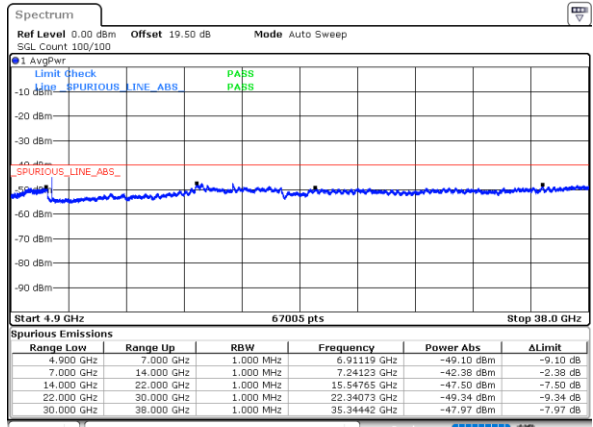


Date: 21\_JAN\_2025 02:13:23

Middle Channel / QPSK

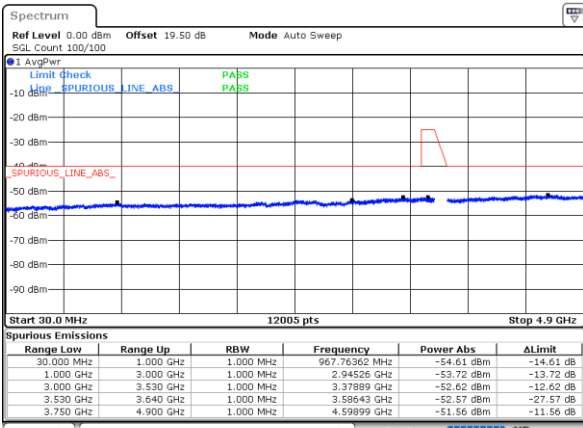


Date: 21\_JAN\_2025 02:36:05

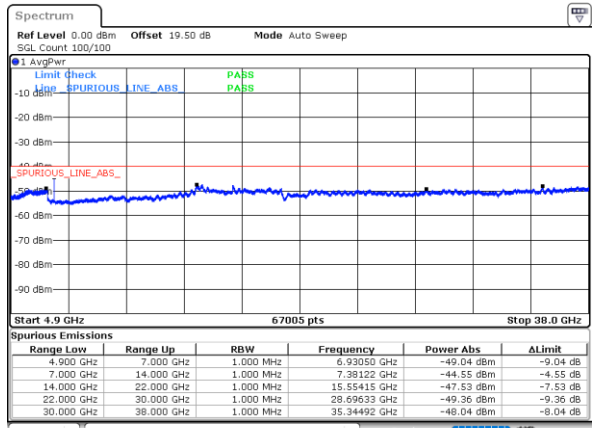


Date: 21\_JAN\_2025 02:37:12

Highest Channel / QPSK



Date: 21\_JAN\_2025 02:58:54

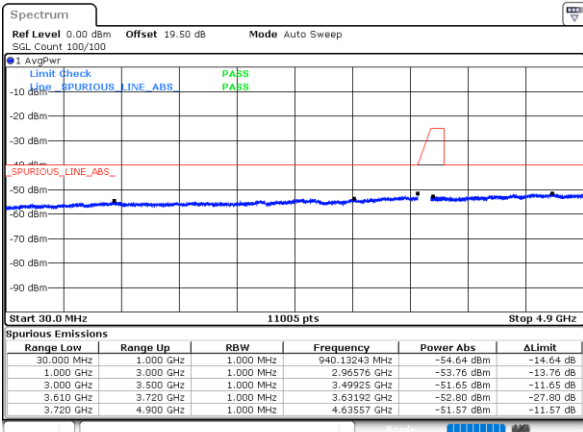


Date: 21\_JAN\_2025 03:00:02

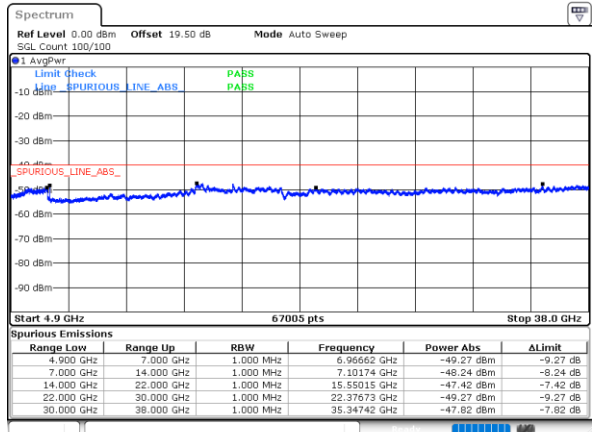


LTE Band 48 / 15MHz

Lowest Channel / QPSK

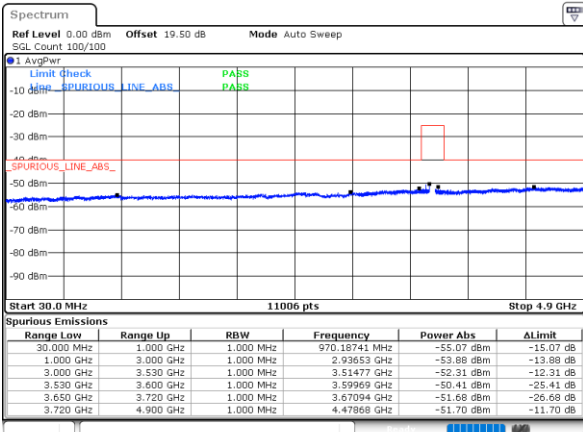


Date: 21\_JAN\_2025 03:22:19

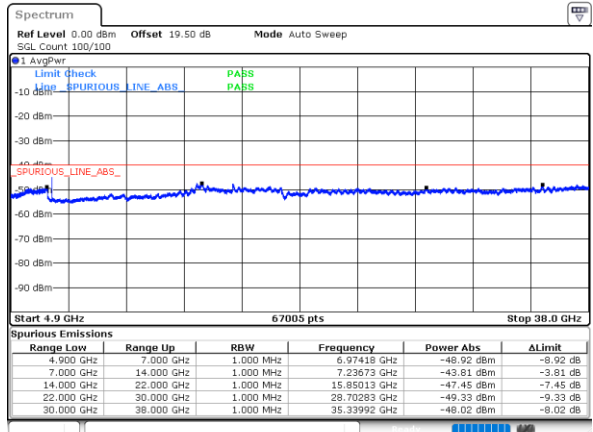


Date: 21\_JAN\_2025 03:23:26

Middle Channel / QPSK

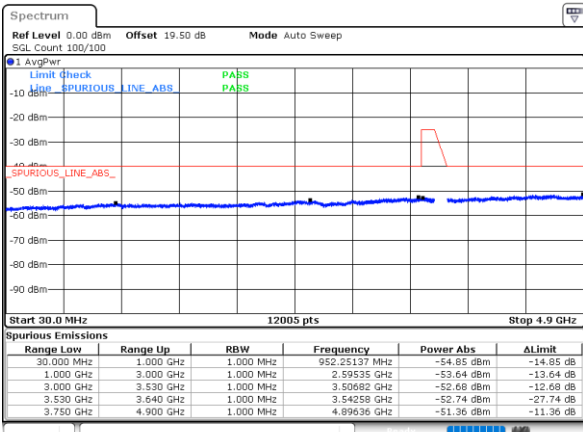


Date: 21\_JAN\_2025 08:52:10

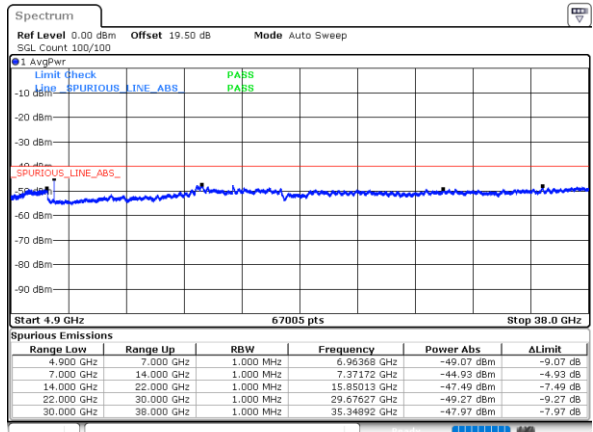


Date: 21\_JAN\_2025 08:53:18

Highest Channel / QPSK



Date: 21\_JAN\_2025 09:08:15

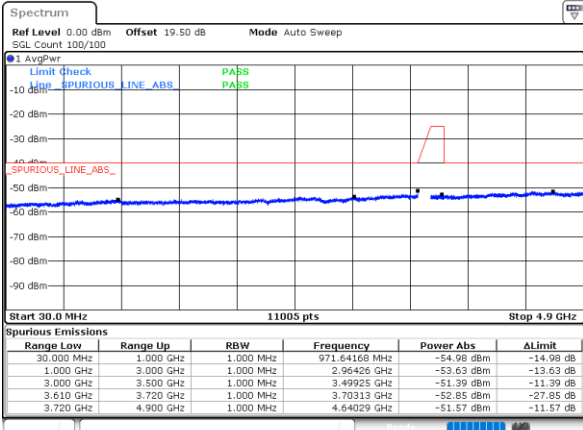


Date: 21\_JAN\_2025 09:09:22

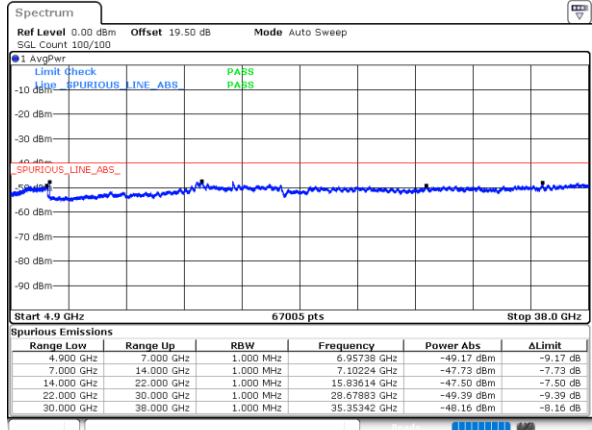


LTE Band 48 / 20MHz

Lowest Channel / QPSK

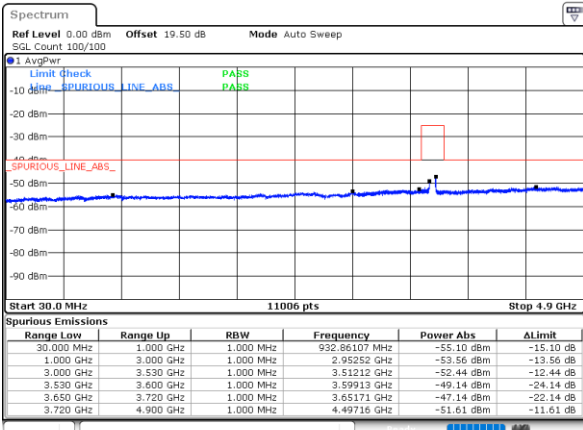


Date: 21\_JAN\_2025 09:25:07

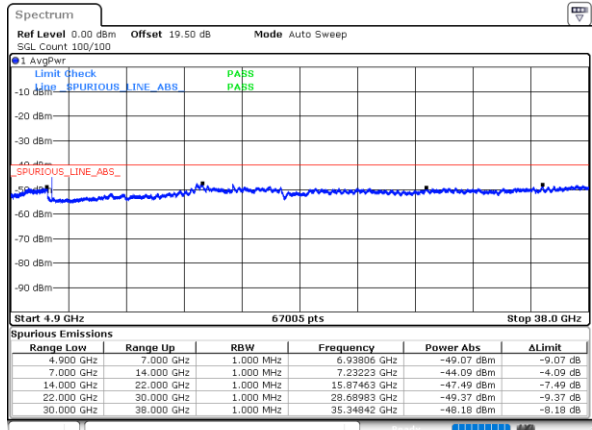


Date: 21\_JAN\_2025 09:26:14

Middle Channel / QPSK

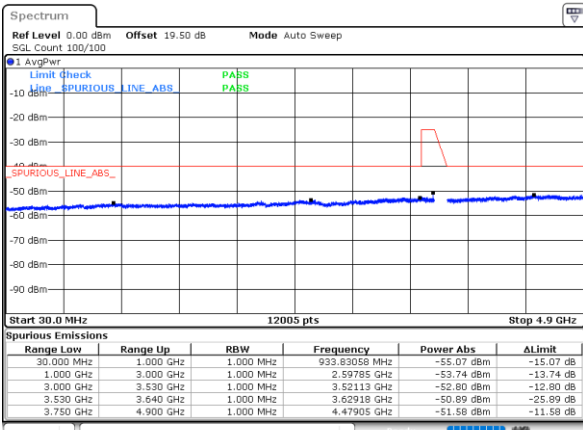


Date: 21\_JAN\_2025 09:42:51

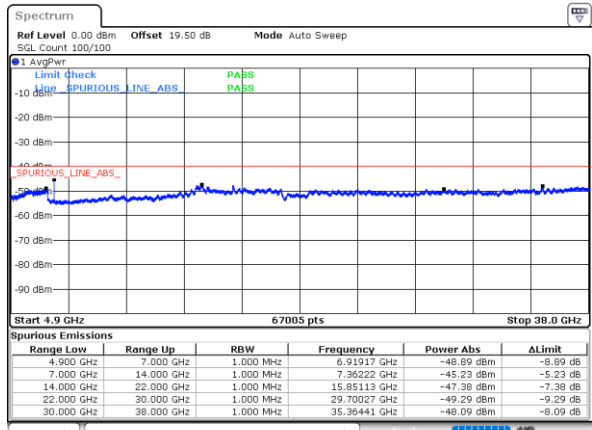


Date: 21\_JAN\_2025 09:43:59

Highest Channel / QPSK



Date: 21\_JAN\_2025 10:00:13



Date: 21\_JAN\_2025 10:01:20

## Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Frequency Offset ( $\Delta f$ ) (Hz)	Result
50	Normal Voltage	2.9	PASS
40	Normal Voltage	3	
30	Normal Voltage	-1.7	
20(Ref.)	Normal Voltage	-3.3	
10	Normal Voltage	3.8	
0	Normal Voltage	2.3	
-10	Normal Voltage	3.7	
-20	Normal Voltage	-3.4	
-30	Normal Voltage	-4.3	
20	Maximum Voltage	3.9	
20	Normal Voltage	-3.3	
20	Battery End Point	-2.3	

**Note:**

1. Normal Voltage = 3.91 V. ; Battery End Point (ACLRP) = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

$$\text{MAX}(\Delta f) = 4.3\text{Hz}$$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L -  \text{MAX}(\Delta f) $	3550.262196	$\geq 3550$ MHz	PASS
$f_H +  \text{MAX}(\Delta f) $	3699.757704	$\leq 3700$ MHz	



## LTE Band 48B(Main PA)

### Occupied Bandwidth

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



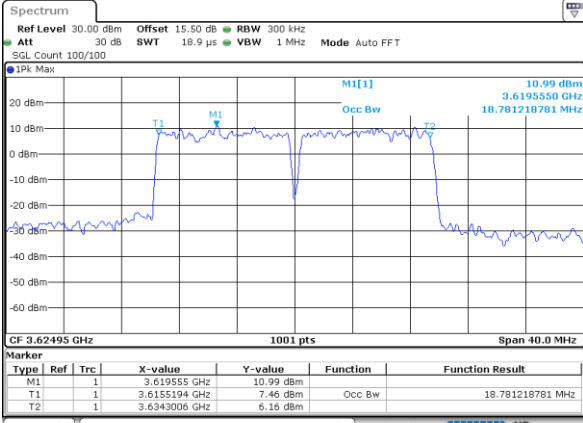
LTE Band 48B

QPSK

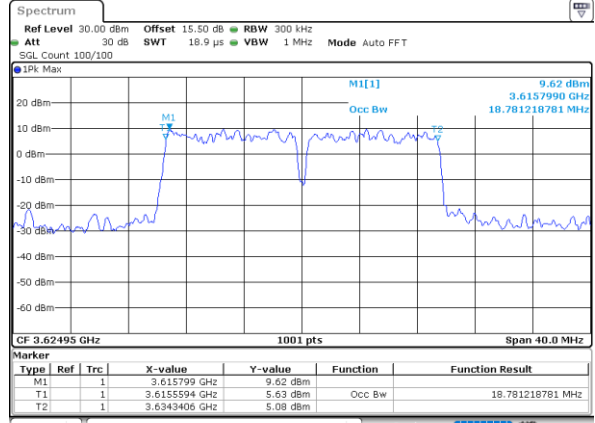
16QAM

Middle Channel / 10MHz+10MHz

Middle Channel / 10MHz+10MHz



Date: 21.JAN.2025 10:10:00



Date: 21.JAN.2025 10:11:54



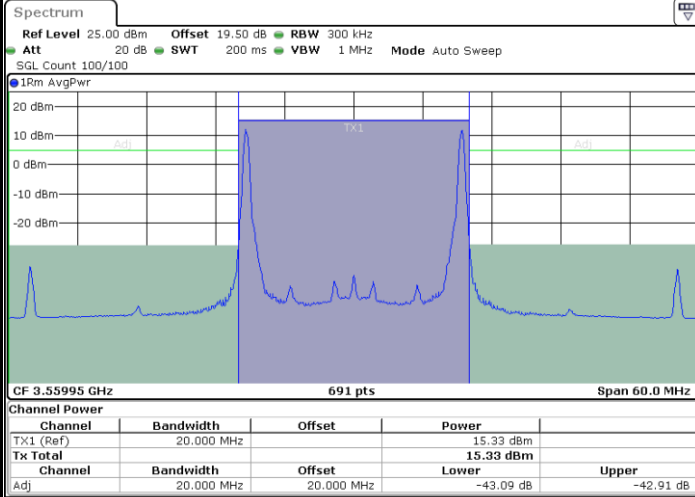
ACLR

LTE Band 48B / 10MHz+10MHz

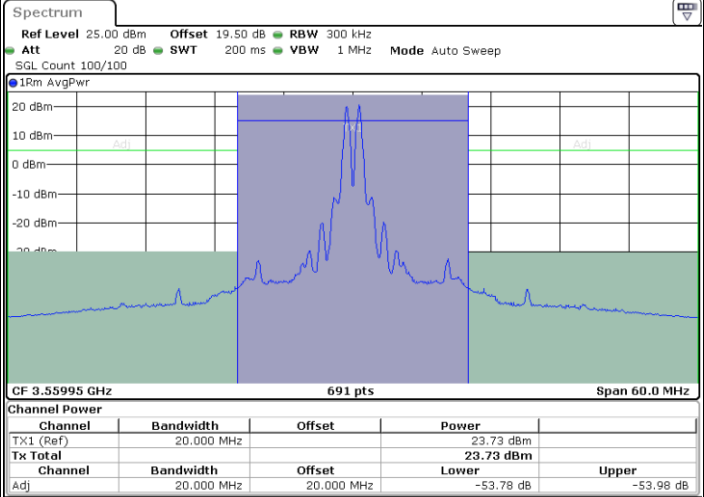
QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



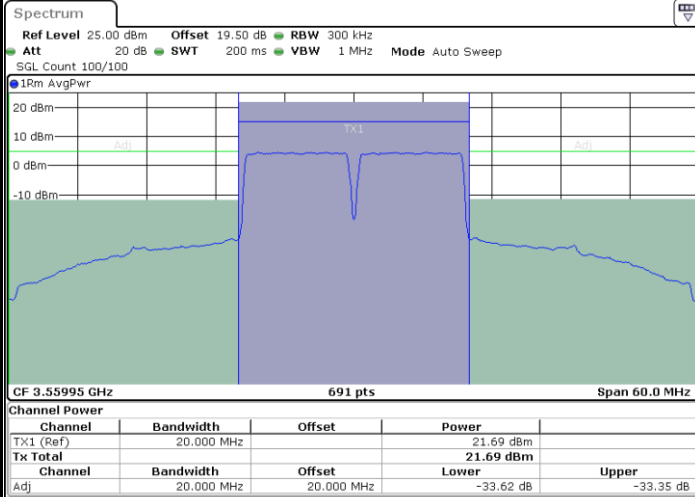
Date: 10.FEB.2025 23:02:45



Date: 10.FEB.2025 23:03:30

Lowest Channel / FullIRB

N/A



Date: 10.FEB.2025 22:58:57

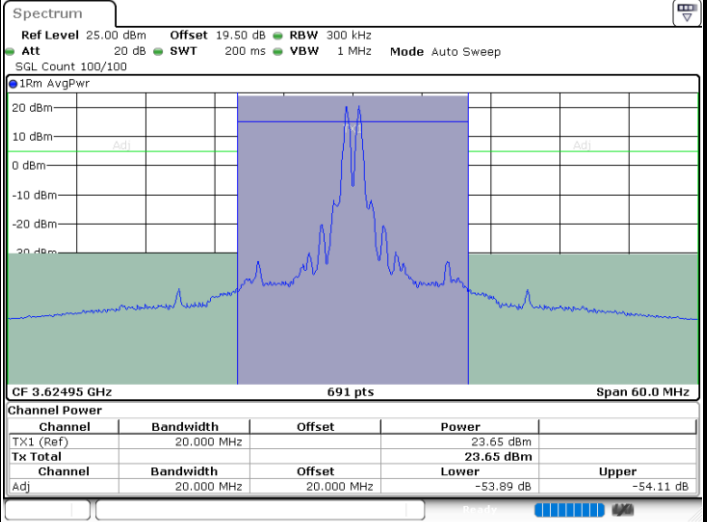
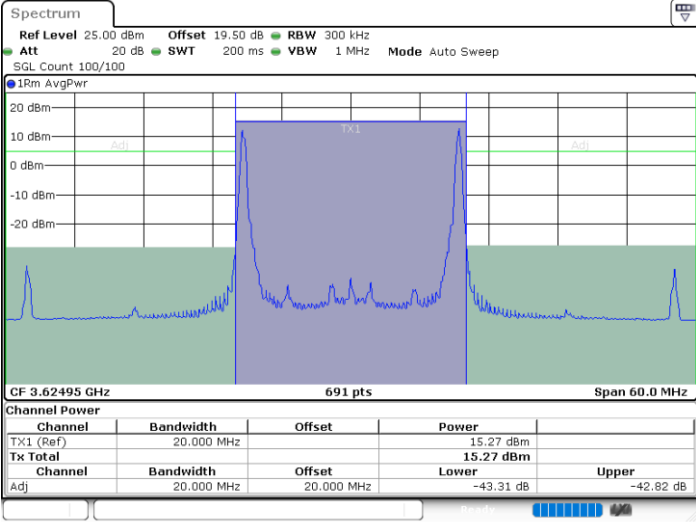


LTE Band 48B / 10MHz+10MHz

QPSK

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0

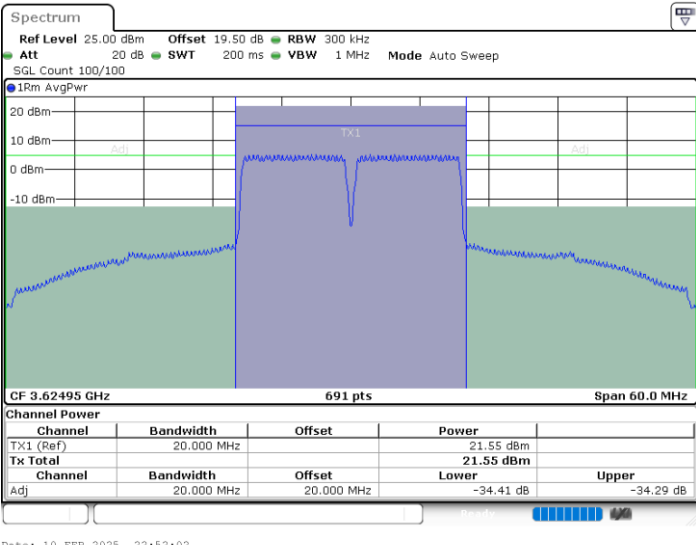


Date: 10.FEB.2025 22:55:50

Date: 10.FEB.2025 22:56:36

Middle Channel / FullIRB

N/A



Date: 10.FEB.2025 22:52:02

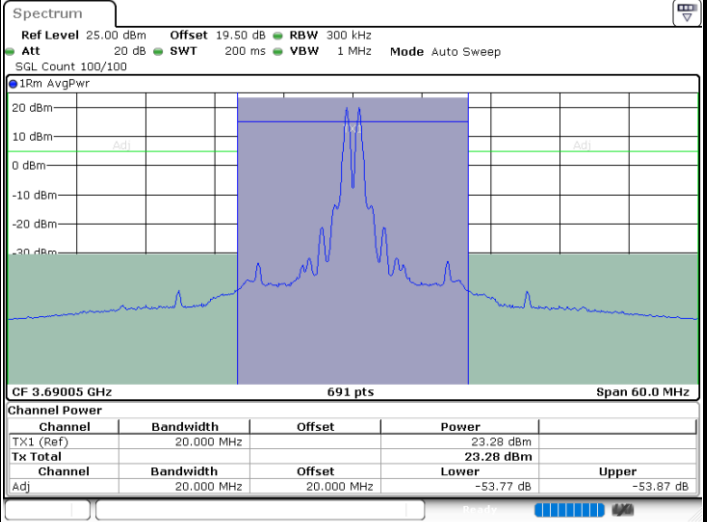
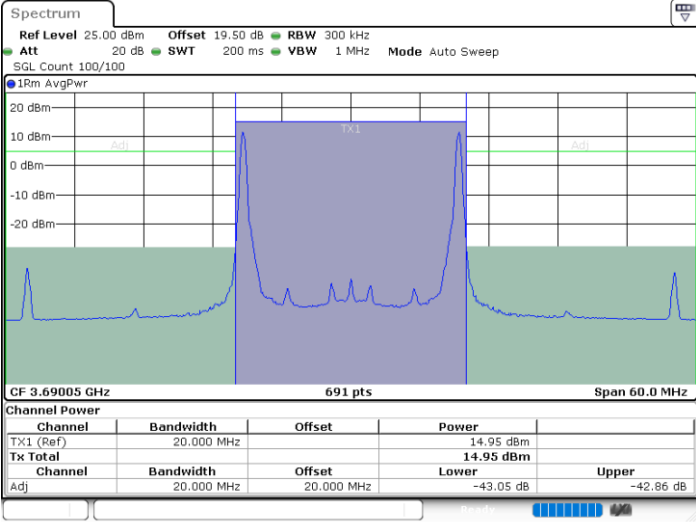


LTE Band 48B / 10MHz+10MHz

QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0

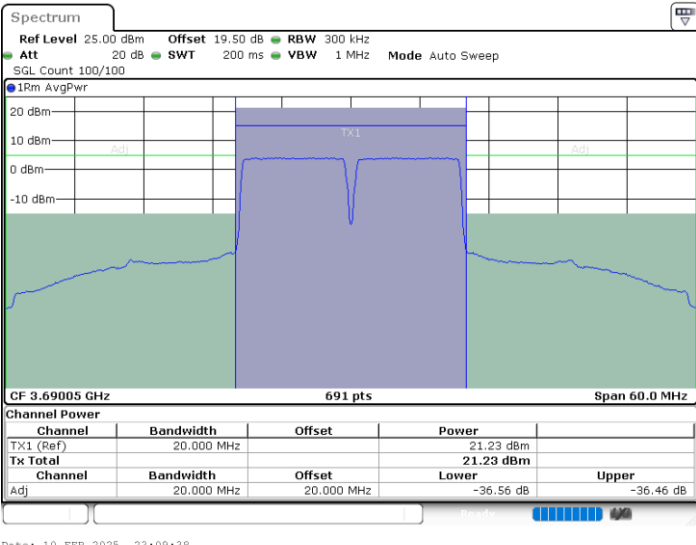


Date: 10.FEB.2025 23:25:58

Date: 10.FEB.2025 23:11:56

Highest Channel / FullRB

N/A



Date: 10.FEB.2025 23:09:38

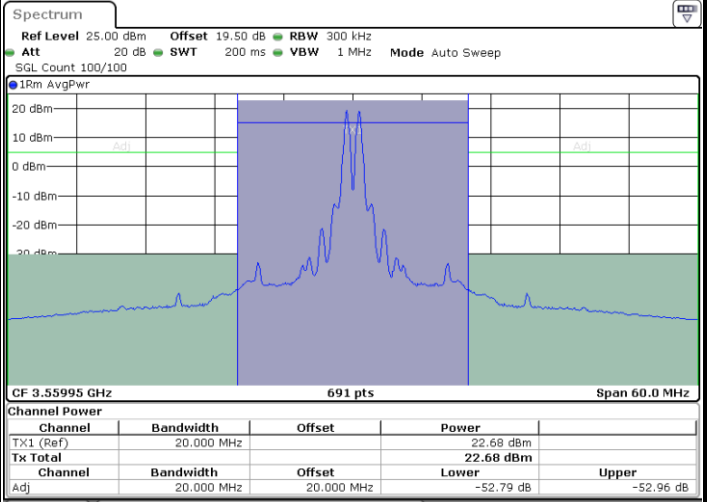
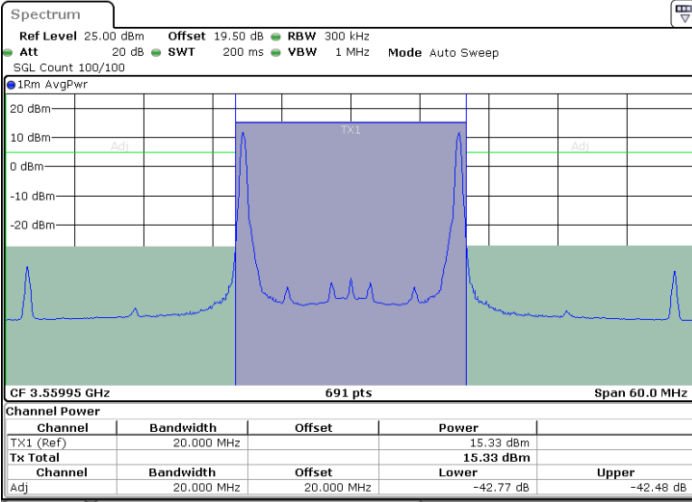


LTE Band 48B / 10MHz+10MHz

16QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0

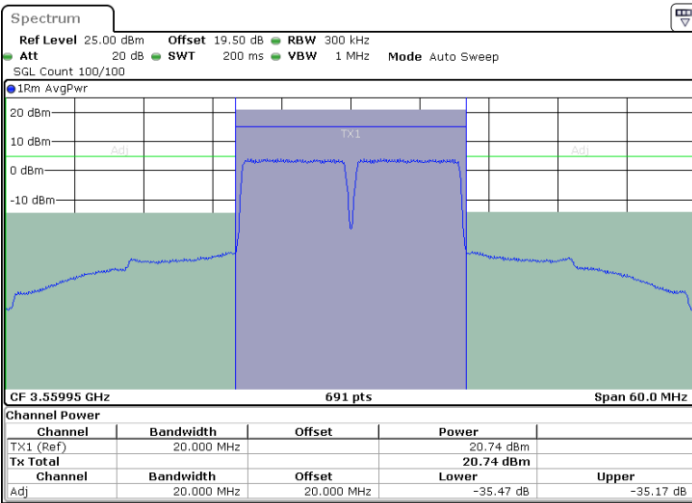


Date: 10.FEB.2025 23:01:59

Date: 10.FEB.2025 23:05:01

Lowest Channel / FullRB

N/A



Date: 10.FEB.2025 22:59:42

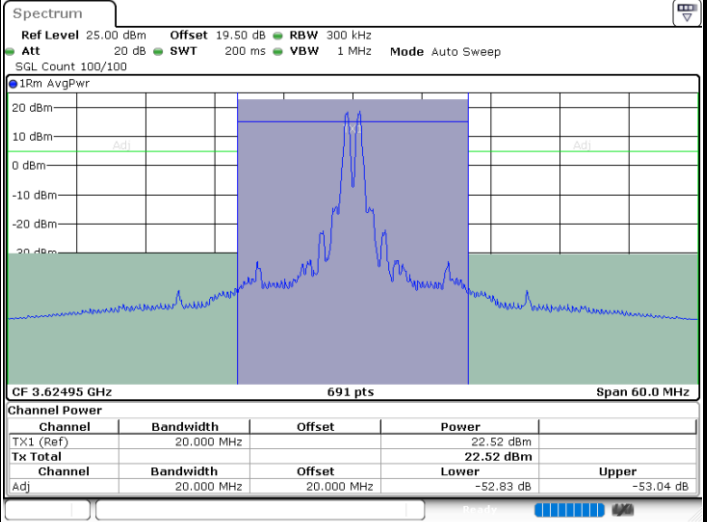
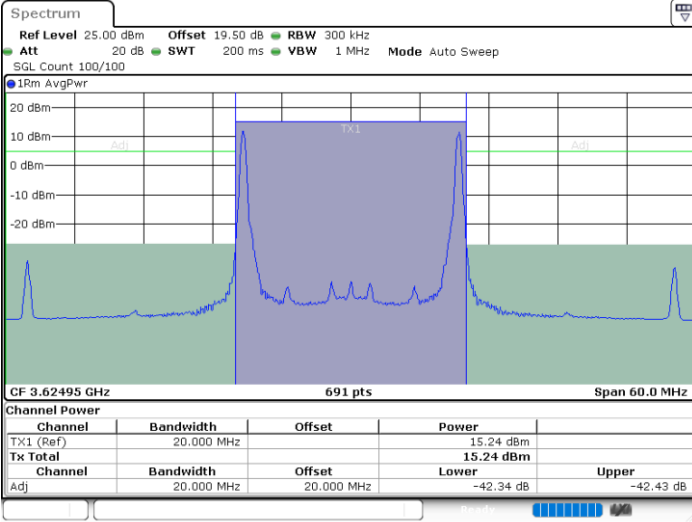


LTE Band 48B / 10MHz+10MHz

16QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0

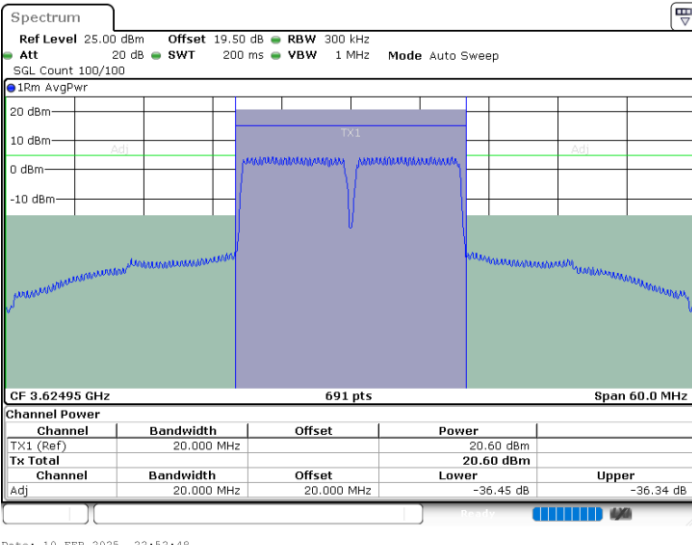


Date: 10.FEB.2025 22:55:05

Date: 10.FEB.2025 22:57:21

Middle Channel / FullIRB

N/A



Date: 10.FEB.2025 22:52:48

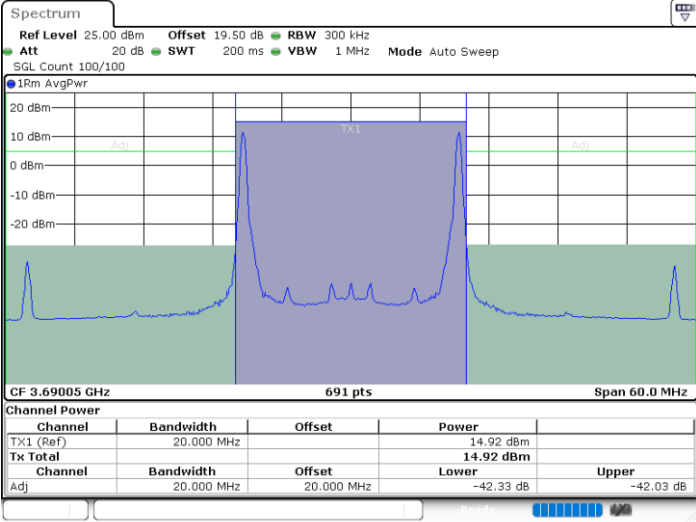


LTE Band 48B / 10MHz+10MHz

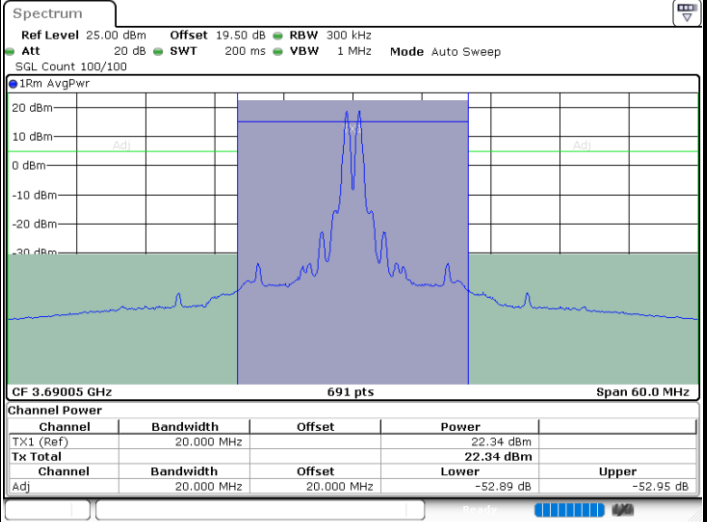
16QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



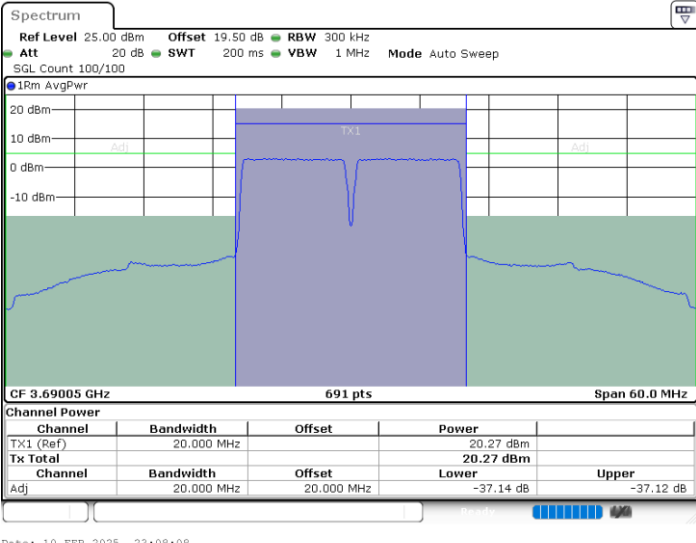
Date: 10.FEB.2025 23:24:38



Date: 10.FEB.2025 23:11:10

Highest Channel / FullRB

N/A



Date: 10.FEB.2025 23:08:08

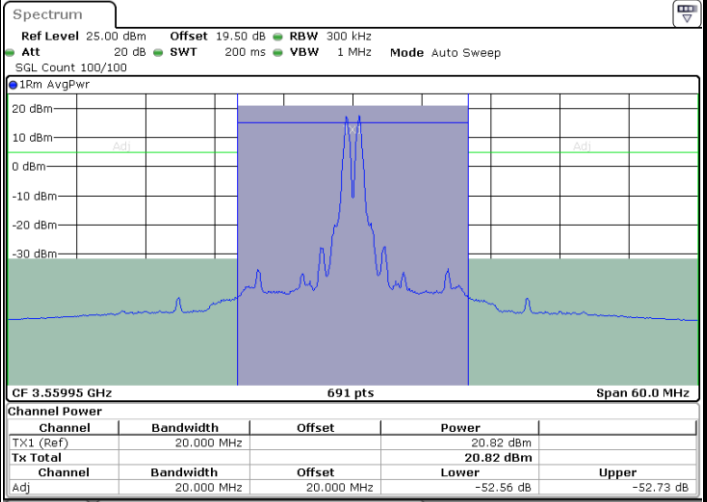
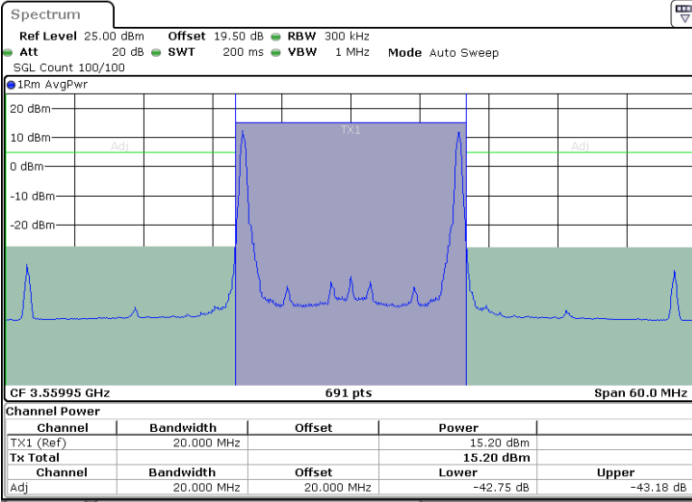


LTE Band 48B / 10MHz+10MHz

64QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0

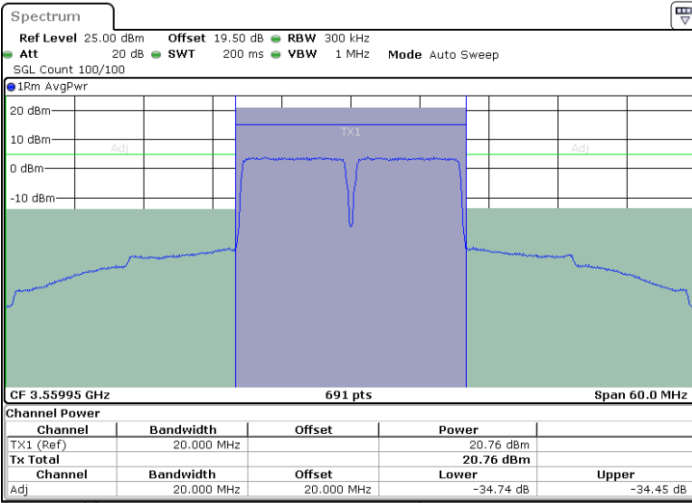


Date: 10.FEB.2025 23:01:14

Date: 10.FEB.2025 23:17:13

Lowest Channel / FullIRB

N/A



Date: 10.FEB.2025 23:00:28

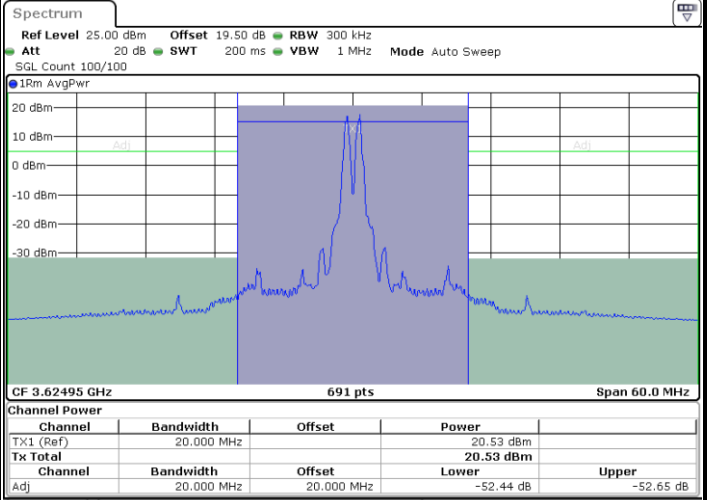
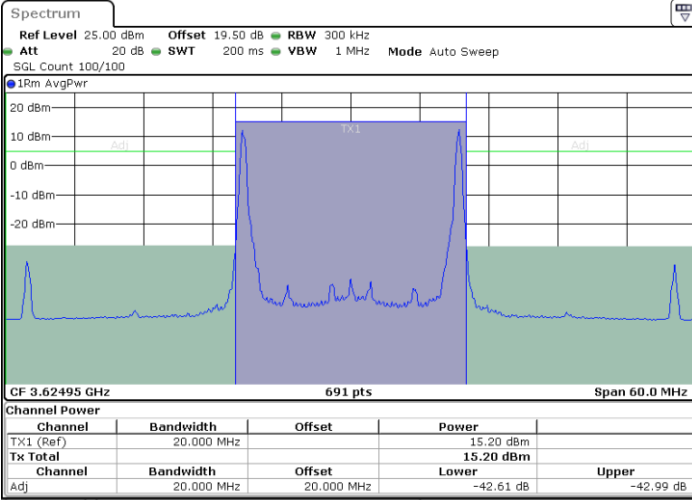


LTE Band 48B / 10MHz+10MHz

64QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0

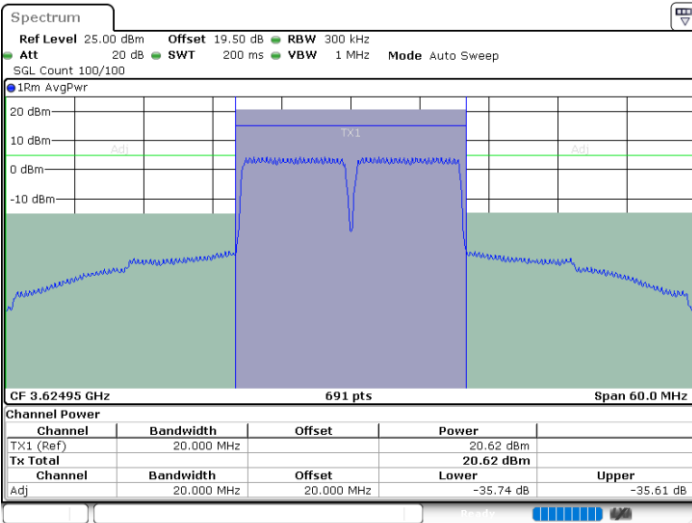


Date: 10.FEB.2025 22:54:19

Date: 10.FEB.2025 22:58:07

Middle Channel / FullIRB

N/A



Date: 10.FEB.2025 22:53:33

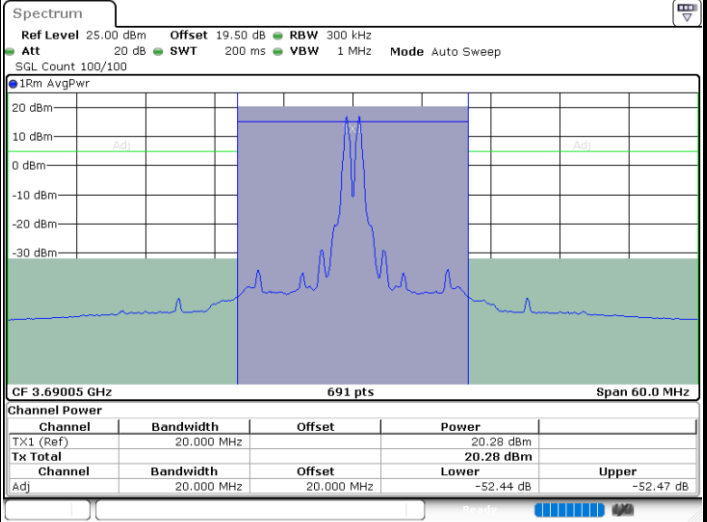
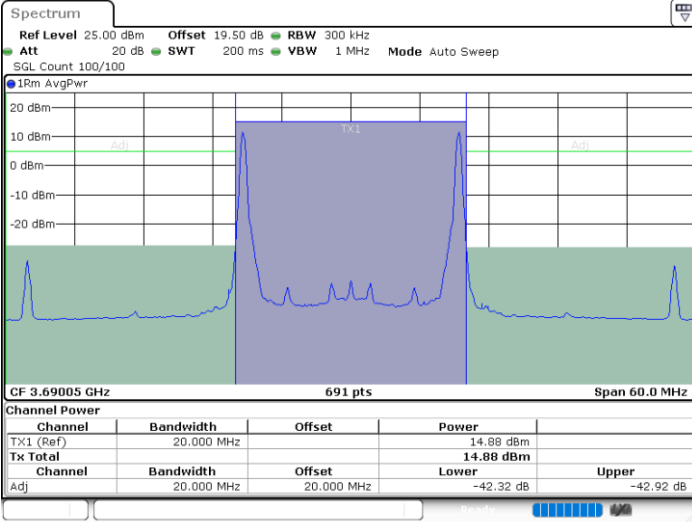


LTE Band 48B / 10MHz+10MHz

64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0

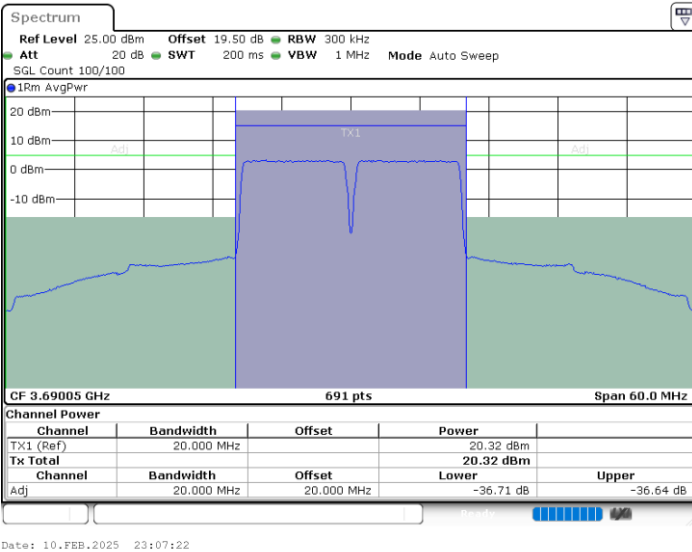


Date: 10.FEB.2025 23:23:45

Date: 10.FEB.2025 23:10:24

Highest Channel / FullRB

N/A



Date: 10.FEB.2025 23:07:22



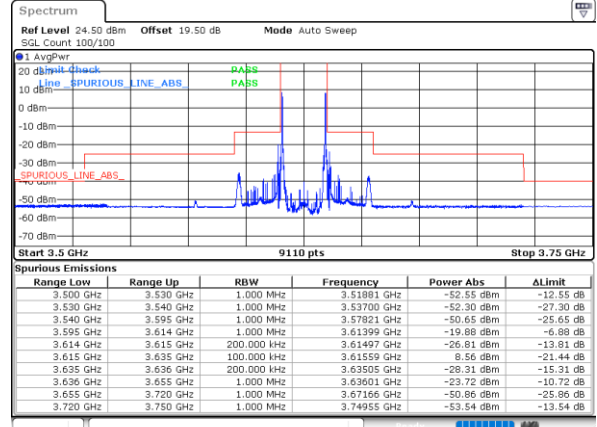
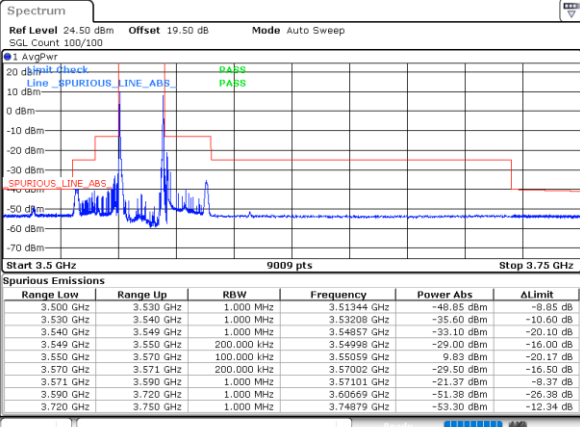
# Conducted Band Edge

## LTE Band 48B / 10MHz+10MHz

### QPSK

#### Lowest Band Edge / 1RB0 and 1RB49

#### Middle Band Edge / 1RB0 and 1RB49

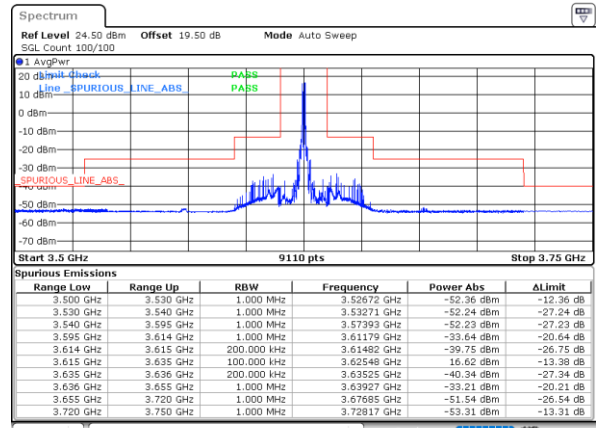
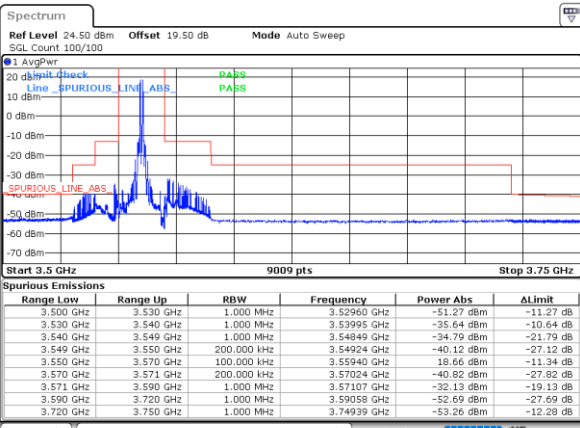


Date: 21\_JAN,2025 10:24:13

Date: 21\_JAN,2025 10:17:09

#### Lowest Band Edge / 1RB49 and 1RB0

#### Middle Band Edge / 1RB49 and 1RB0

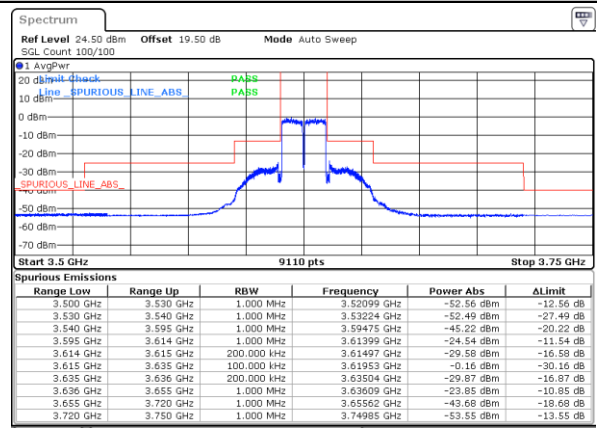
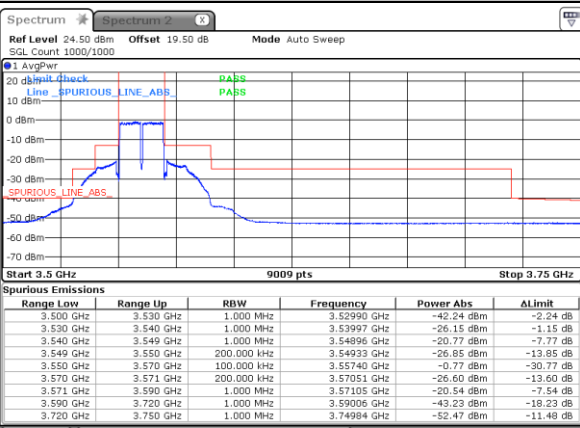


Date: 21\_JAN,2025 10:24:51

Date: 21\_JAN,2025 10:16:31

#### Lowest Band Edge / Full RB

#### Middle Band Edge / Full RB



Date: 10\_FEB,2025 22:38:56

Date: 21\_JAN,2025 10:20:20