

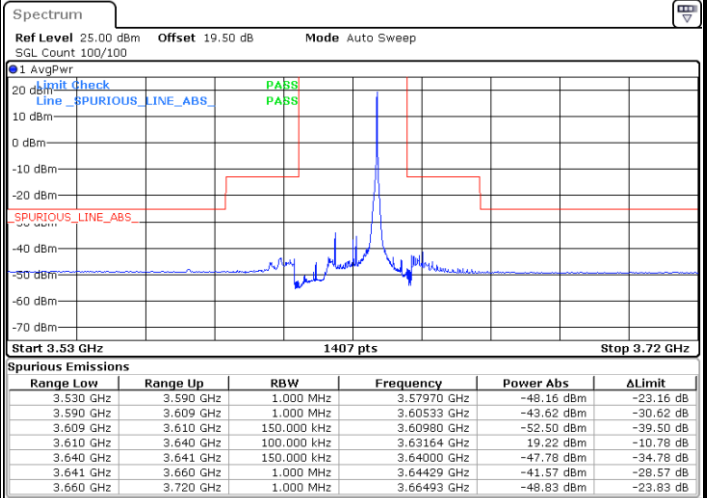
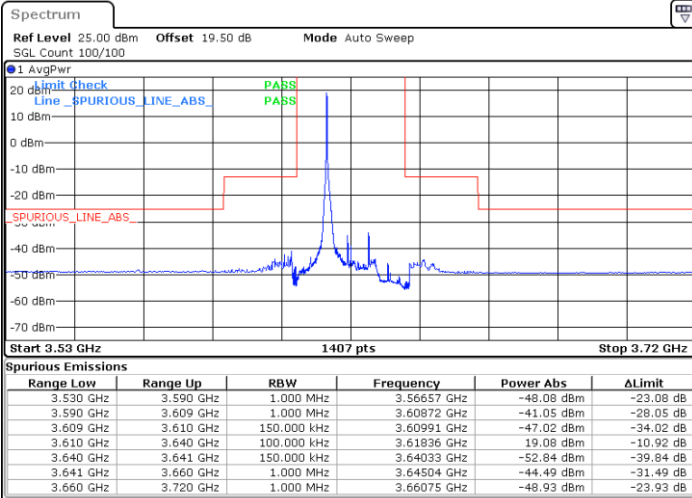


LTE Band 48 / 15MHz

16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

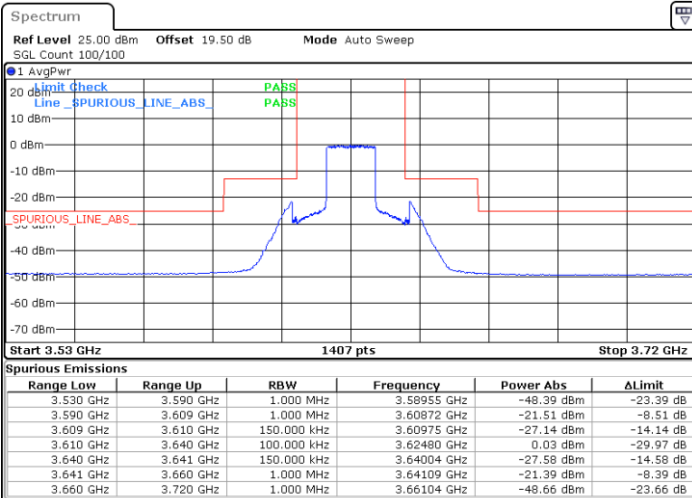


Date: 23.SEP.2023 09:19:17

Date: 23.SEP.2023 09:13:56

Middle Channel / FullIRB

N/A



Date: 23.SEP.2023 09:08:35

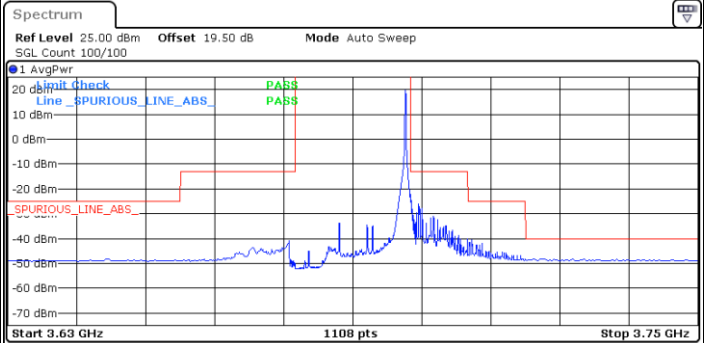
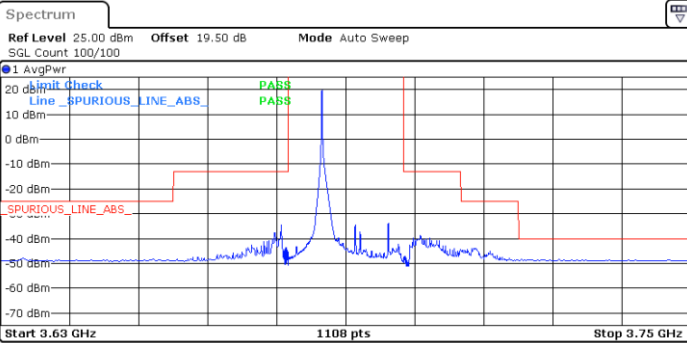


LTE Band 48 / 15MHz

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	3.63401 GHz	-47.96 dBm	-22.96 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67872 GHz	-34.66 dBm	-21.66 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67967 GHz	-43.70 dBm	-30.70 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68586 GHz	19.59 dBm	-10.41 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70035 GHz	-47.18 dBm	-34.18 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70283 GHz	-38.80 dBm	-25.80 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71233 GHz	-43.87 dBm	-18.87 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72698 GHz	-48.31 dBm	-8.31 dB

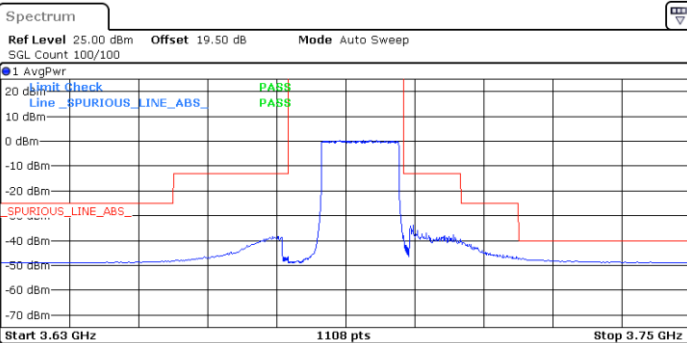
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.64738 GHz	-48.13 dBm	-23.13 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-40.95 dBm	-27.95 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67914 GHz	-48.27 dBm	-35.27 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69918 GHz	19.55 dBm	-10.45 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70000 GHz	-22.27 dBm	-9.27 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70140 GHz	-26.19 dBm	-13.19 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71064 GHz	-40.45 dBm	-15.45 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72490 GHz	-48.08 dBm	-8.08 dB

Date: 22.SEP.2023 20:22:45

Date: 22.SEP.2023 20:26:32

Highest Channel / FullRB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65926 GHz	-48.15 dBm	-23.15 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67815 GHz	-38.31 dBm	-25.31 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67996 GHz	-46.59 dBm	-33.59 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69444 GHz	0.27 dBm	-29.73 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70000 GHz	-38.05 dBm	-25.05 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70176 GHz	-33.83 dBm	-20.83 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71005 GHz	-40.12 dBm	-15.12 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-47.32 dBm	-7.32 dB

Date: 22.SEP.2023 20:30:20

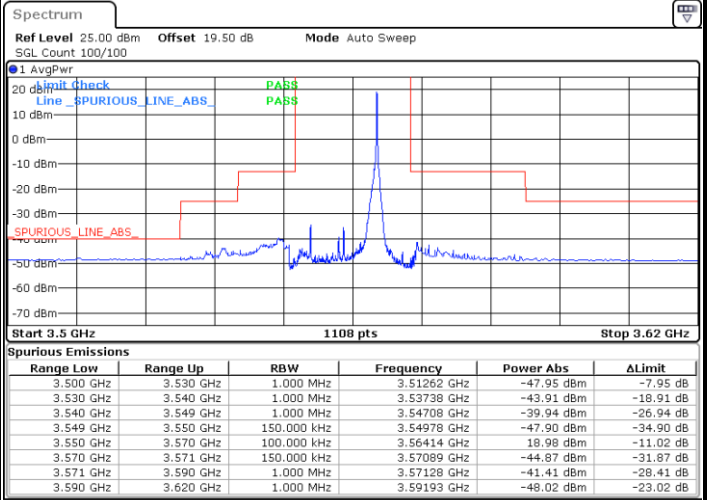
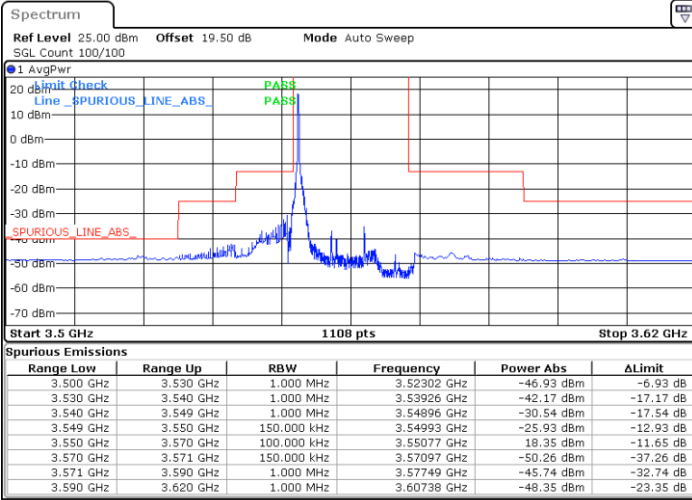


LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

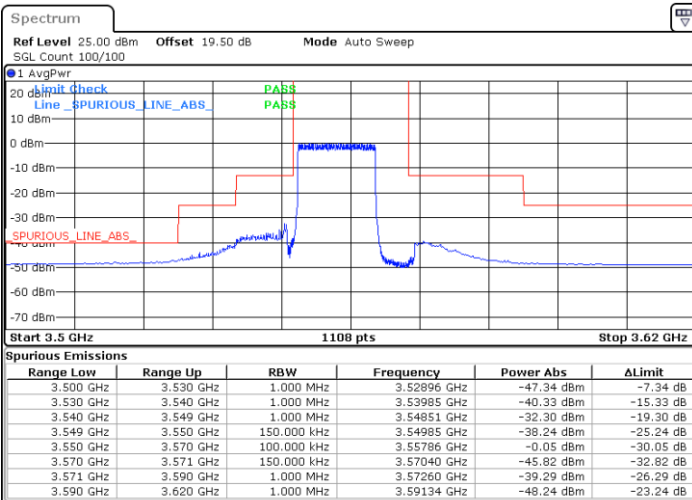


Date: 22.SEP.2023 15:58:15

Date: 22.SEP.2023 16:04:31

Lowest Channel / FullRB

N/A



Date: 22.SEP.2023 16:05:47

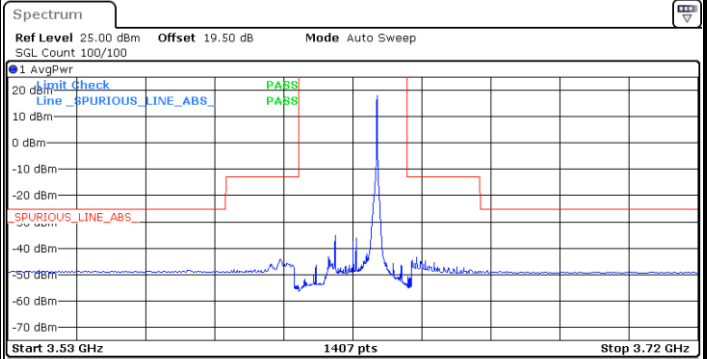
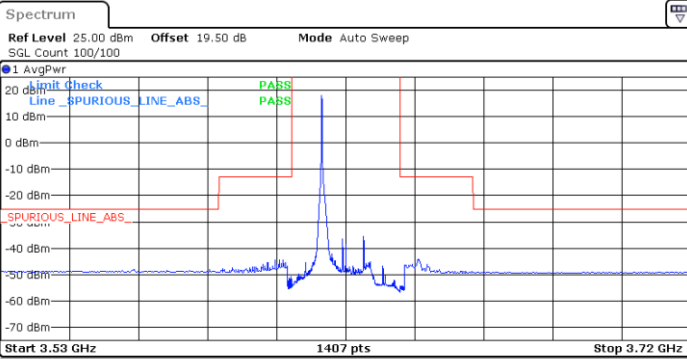


LTE Band 48 / 15MHz

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	3.58746 GHz	-47.99 dBm	-22.99 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60665 GHz	-44.42 dBm	-31.42 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60984 GHz	-50.76 dBm	-37.76 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61831 GHz	18.13 dBm	-11.87 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64068 GHz	-54.36 dBm	-41.36 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64504 GHz	-44.23 dBm	-31.23 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66672 GHz	-48.94 dBm	-23.94 dB

Spurious Emissions

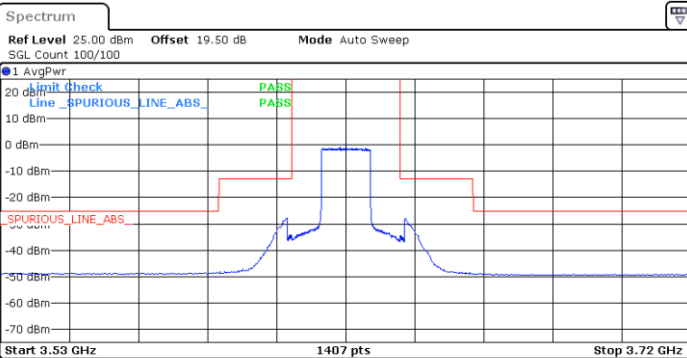
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.57970 GHz	-48.29 dBm	-23.29 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60514 GHz	-43.96 dBm	-30.96 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60979 GHz	-54.15 dBm	-41.15 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63164 GHz	18.12 dBm	-11.88 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64006 GHz	-50.69 dBm	-37.69 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64260 GHz	-43.44 dBm	-30.44 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66194 GHz	-48.33 dBm	-23.33 dB

Date: 23.SEP.2023 09:21:04

Date: 23.SEP.2023 09:12:09

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	3.58866 GHz	-48.41 dBm	-23.41 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60872 GHz	-27.67 dBm	-14.67 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60952 GHz	-34.10 dBm	-21.10 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62320 GHz	-1.06 dBm	-31.06 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64005 GHz	-34.32 dBm	-21.32 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-27.82 dBm	-14.82 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66194 GHz	-48.82 dBm	-23.82 dB

Date: 23.SEP.2023 09:10:22

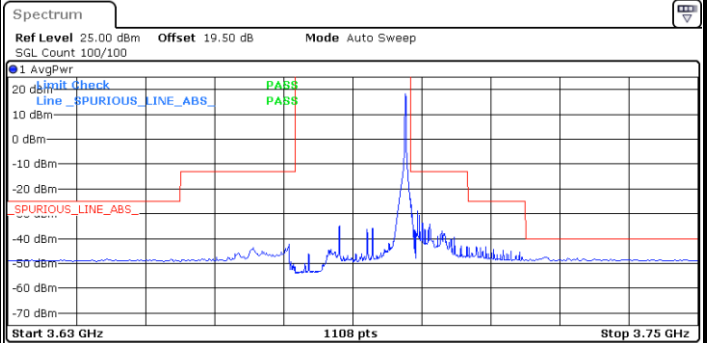
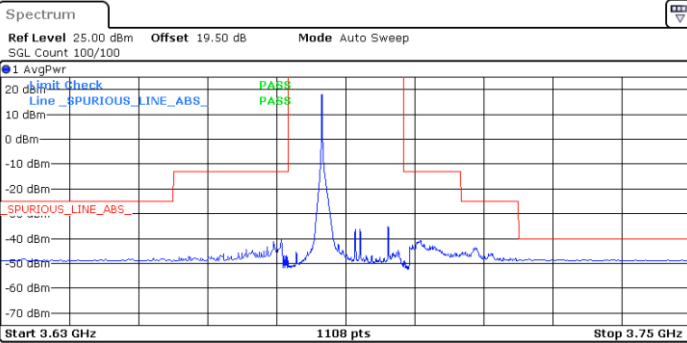


LTE Band 48 / 15MHz

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	3.65658 GHz	-47.90 dBm	-22.90 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67872 GHz	-40.06 dBm	-27.06 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67922 GHz	-46.72 dBm	-33.72 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68586 GHz	17.99 dBm	-12.01 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70020 GHz	-48.85 dBm	-35.85 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70300 GHz	-40.82 dBm	-27.82 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71243 GHz	-43.63 dBm	-18.63 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72193 GHz	-48.22 dBm	-8.22 dB

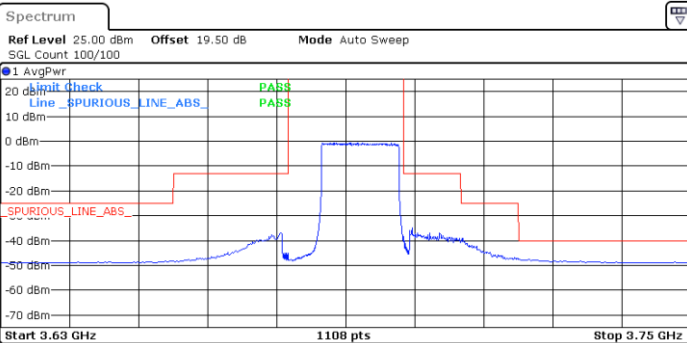
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65837 GHz	-48.20 dBm	-23.20 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-42.37 dBm	-29.37 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67925 GHz	-49.28 dBm	-36.28 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69918 GHz	18.47 dBm	-11.53 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70000 GHz	-24.09 dBm	-11.09 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70122 GHz	-28.74 dBm	-15.74 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71302 GHz	-43.27 dBm	-18.27 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72342 GHz	-47.47 dBm	-7.47 dB

Date: 22.SEP.2023 20:21:29

Date: 22.SEP.2023 20:27:48

Highest Channel / FullRB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65866 GHz	-48.12 dBm	-23.12 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67872 GHz	-37.11 dBm	-24.11 dB
3.679 GHz	3.680 GHz	150.000 kHz	3.67946 GHz	-44.99 dBm	-31.99 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69204 GHz	-0.61 dBm	-30.61 dB
3.700 GHz	3.701 GHz	150.000 kHz	3.70001 GHz	-38.37 dBm	-25.37 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70149 GHz	-35.03 dBm	-22.03 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71025 GHz	-39.05 dBm	-14.05 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72193 GHz	-47.59 dBm	-7.59 dB

Date: 22.SEP.2023 20:29:04

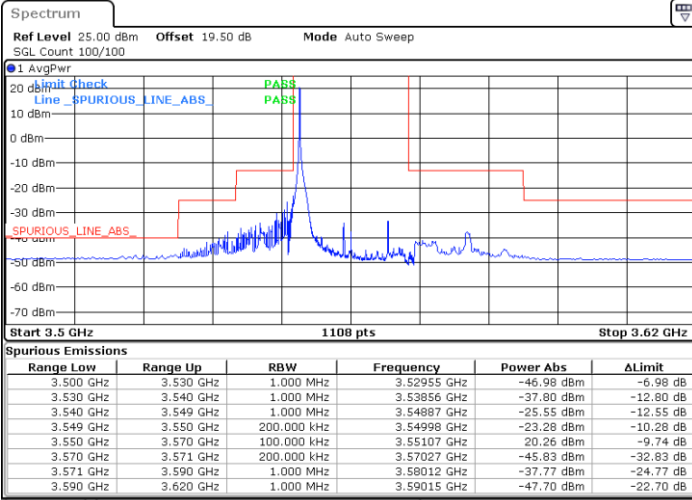


LTE Band 48 / 20MHz

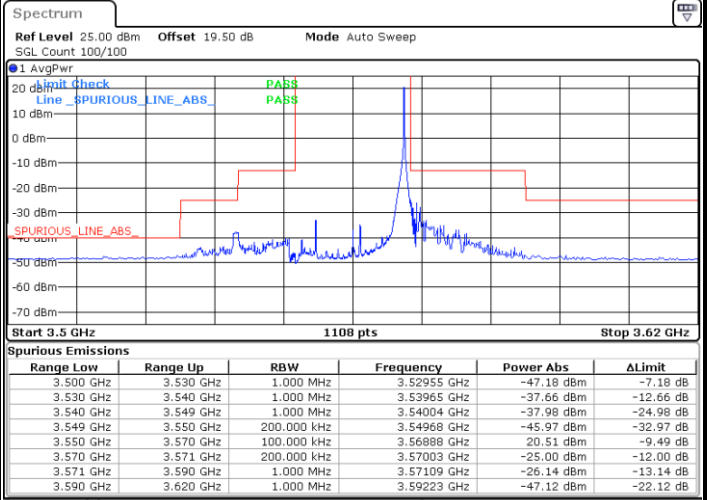
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



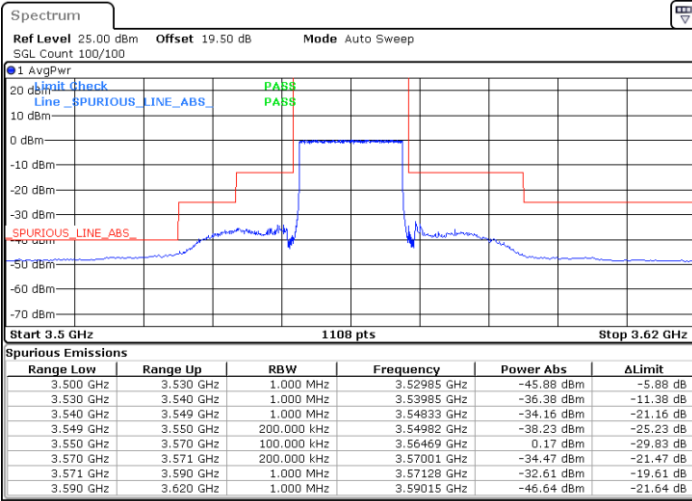
Date: 22.SEP.2023 17:27:16



Date: 22.SEP.2023 17:33:30

Lowest Channel / FullIRB

N/A



Date: 22.SEP.2023 17:34:46

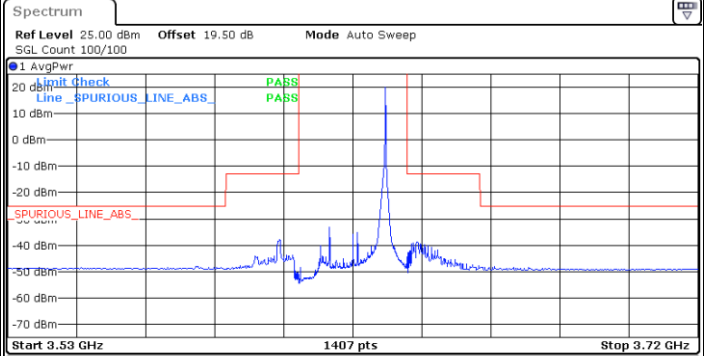
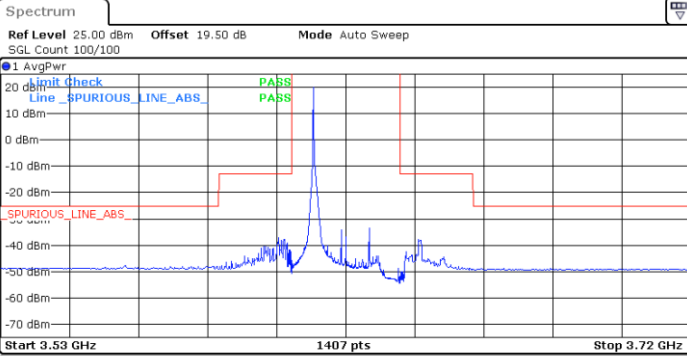


LTE Band 48 / 20MHz

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	-47.65 dBm	-22.65 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60546 GHz	-37.12 dBm	-24.12 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60957 GHz	-41.69 dBm	-28.69 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61611 GHz	20.12 dBm	-9.88 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64005 GHz	-49.93 dBm	-36.93 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64504 GHz	-37.87 dBm	-24.87 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66851 GHz	-48.79 dBm	-23.79 dB

Spurious Emissions

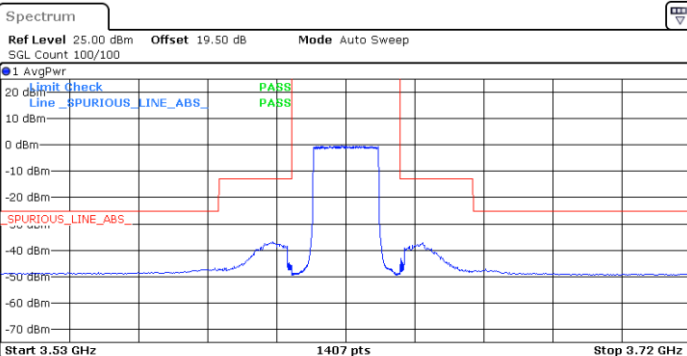
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58209 GHz	-47.92 dBm	-22.92 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60477 GHz	-37.88 dBm	-24.88 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60923 GHz	-49.65 dBm	-36.65 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63389 GHz	20.03 dBm	-9.97 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64055 GHz	-42.02 dBm	-29.02 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64279 GHz	-38.79 dBm	-25.79 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66403 GHz	-47.99 dBm	-22.99 dB

Date: 23.SEP.2023 09:39:08

Date: 23.SEP.2023 09:30:13

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	-46.91 dBm	-21.91 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60477 GHz	-36.65 dBm	-23.65 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60929 GHz	-44.79 dBm	-31.79 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62390 GHz	-0.40 dBm	-30.40 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64008 GHz	-43.12 dBm	-30.12 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64617 GHz	-37.27 dBm	-24.27 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66343 GHz	-47.14 dBm	-22.14 dB

Date: 23.SEP.2023 09:28:26

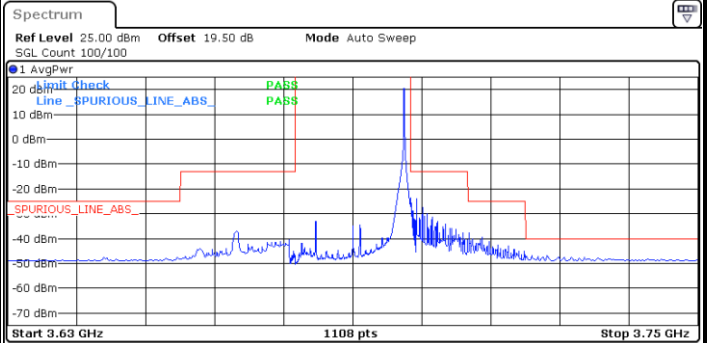
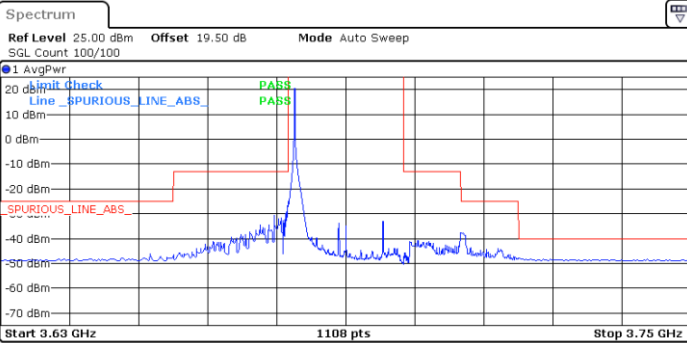


LTE Band 48 / 20MHz

QPSK

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	3.65599 GHz	-46.29 dBm	-21.29 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67759 GHz	-30.78 dBm	-17.78 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67997 GHz	-24.94 dBm	-11.94 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68112 GHz	20.43 dBm	-9.57 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70029 GHz	-45.70 dBm	-32.70 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70996 GHz	-37.53 dBm	-24.53 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71005 GHz	-37.55 dBm	-12.55 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-47.79 dBm	-7.79 dB

Spurious Emissions

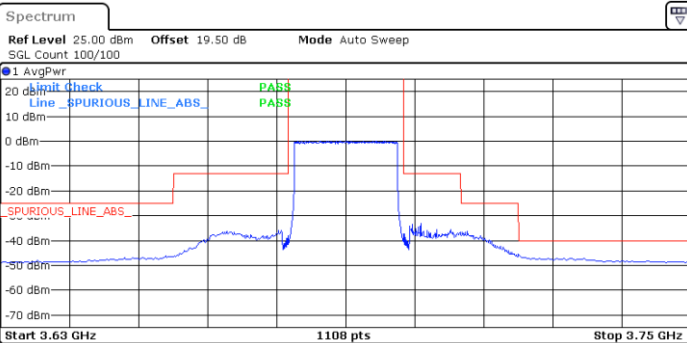
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.64678 GHz	-47.45 dBm	-22.45 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.66988 GHz	-37.09 dBm	-24.09 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67973 GHz	-45.08 dBm	-32.08 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69888 GHz	20.44 dBm	-9.56 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70000 GHz	-23.72 dBm	-10.72 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-23.85 dBm	-10.85 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71015 GHz	-37.80 dBm	-12.80 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72371 GHz	-46.86 dBm	-6.86 dB

Date: 22.SEP.2023 18:13:38

Date: 22.SEP.2023 18:19:53

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	3.65866 GHz	-46.02 dBm	-21.02 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67872 GHz	-35.84 dBm	-22.84 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67997 GHz	-38.07 dBm	-25.07 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69474 GHz	0.12 dBm	-29.88 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70007 GHz	-37.20 dBm	-24.20 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70300 GHz	-33.08 dBm	-20.08 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71114 GHz	-36.27 dBm	-11.27 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-45.96 dBm	-5.96 dB

Date: 22.SEP.2023 18:21:08

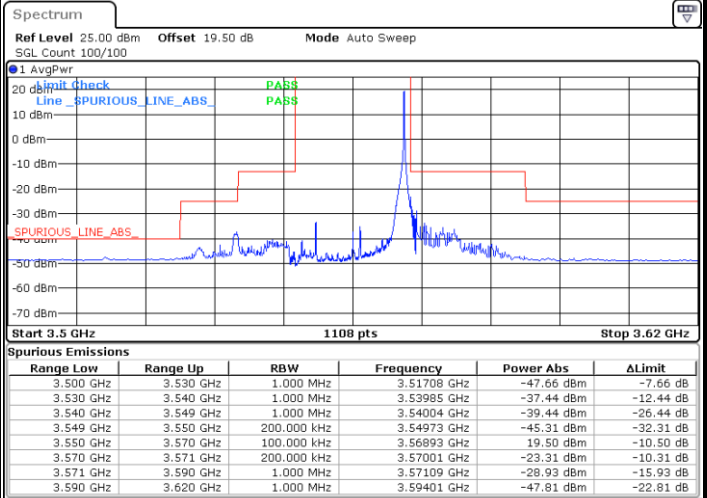
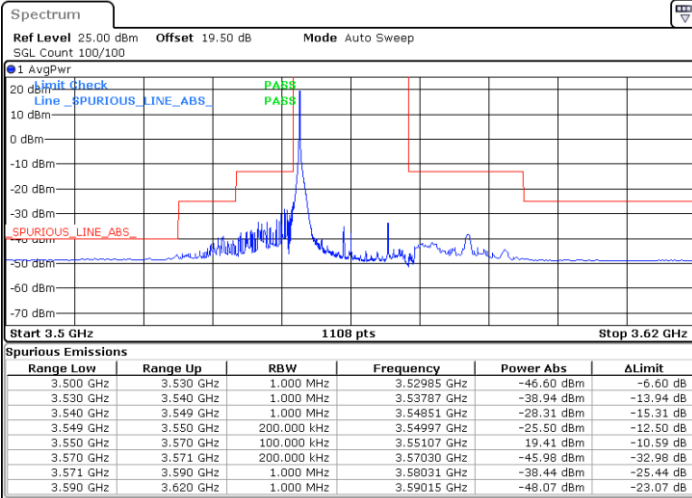


LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

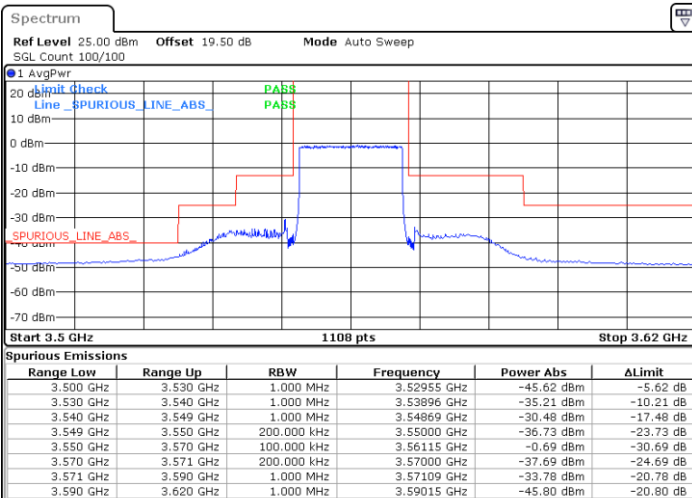


Date: 22.SEP.2023 17:28:31

Date: 22.SEP.2023 17:32:15

Lowest Channel / FullIRB

N/A



Date: 22.SEP.2023 17:36:01

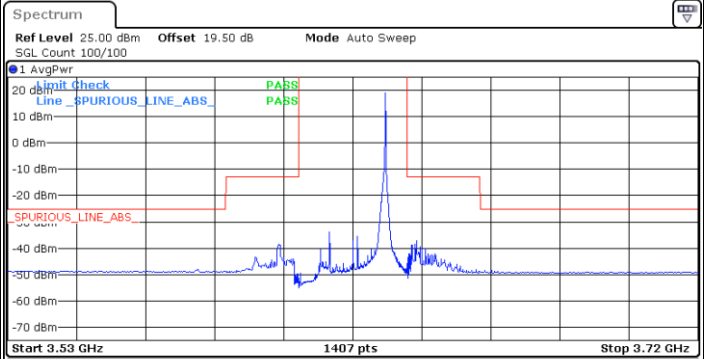
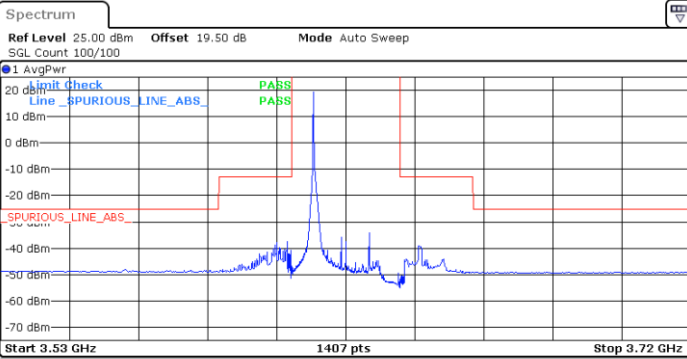


LTE Band 48 / 20MHz

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	-48.11 dBm	-23.11 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60891 GHz	-37.53 dBm	-24.53 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60975 GHz	-40.93 dBm	-27.93 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	3.64027 GHz	-50.25 dBm	-37.25 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64523 GHz	-38.97 dBm	-25.97 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66940 GHz	-49.02 dBm	-24.02 dB

Spurious Emissions

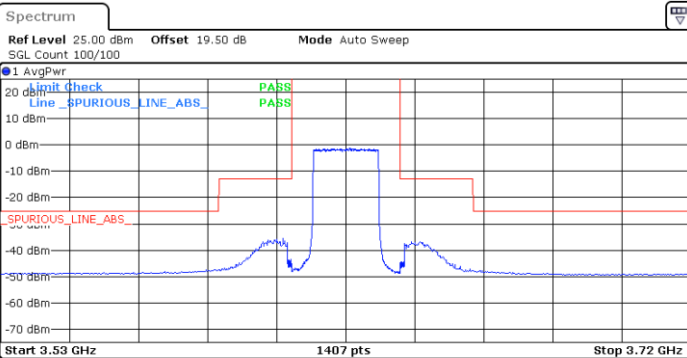
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58239 GHz	-48.18 dBm	-23.18 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60458 GHz	-38.45 dBm	-25.45 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60967 GHz	-49.78 dBm	-36.78 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63394 GHz	19.06 dBm	-10.94 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64028 GHz	-42.08 dBm	-29.08 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64260 GHz	-37.21 dBm	-24.21 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66313 GHz	-48.42 dBm	-23.42 dB

Date: 23.SEP.2023 09:37:21

Date: 23.SEP.2023 09:32:00

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	3.58896 GHz	-47.29 dBm	-22.29 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60778 GHz	-35.30 dBm	-22.30 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60991 GHz	-43.39 dBm	-30.39 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62615 GHz	-1.24 dBm	-31.24 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64002 GHz	-44.34 dBm	-31.34 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64542 GHz	-36.79 dBm	-23.79 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66194 GHz	-47.71 dBm	-22.71 dB

Date: 23.SEP.2023 09:26:39

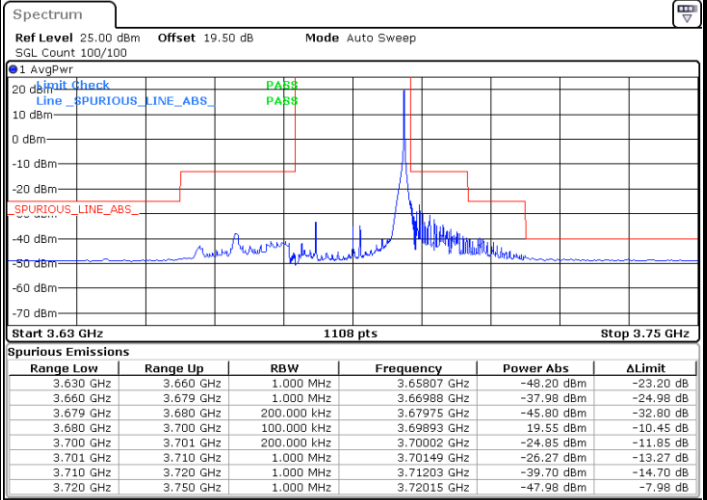
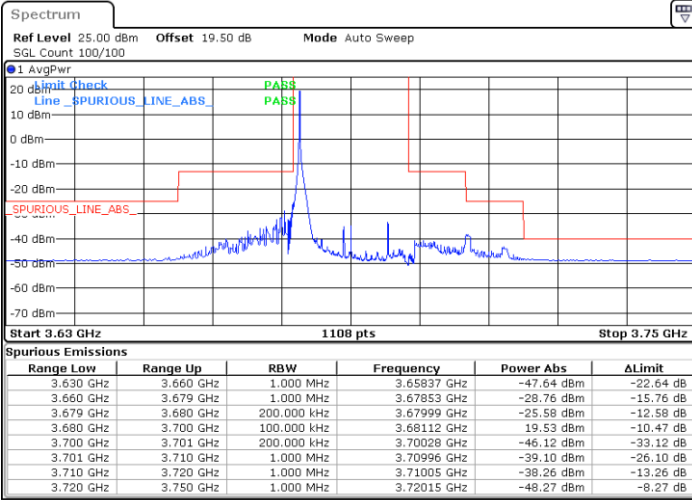


LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

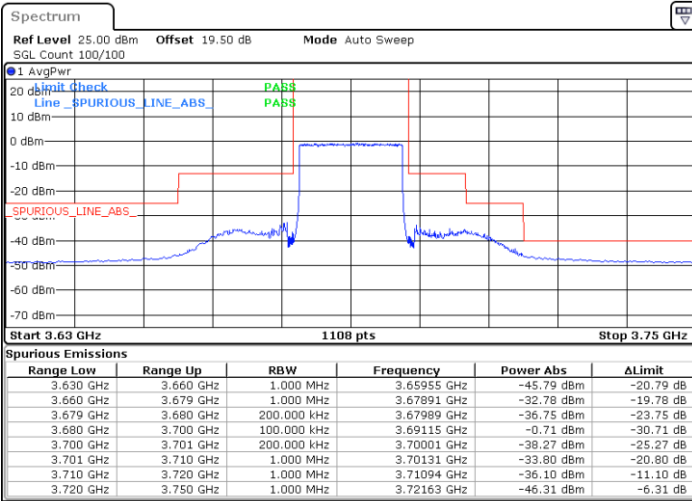


Date: 22.SEP.2023 18:14:53

Date: 22.SEP.2023 18:18:38

Highest Channel / FullRB

N/A



Date: 22.SEP.2023 18:22:23

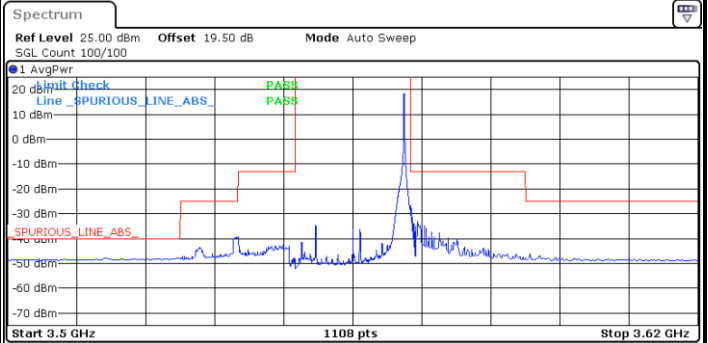
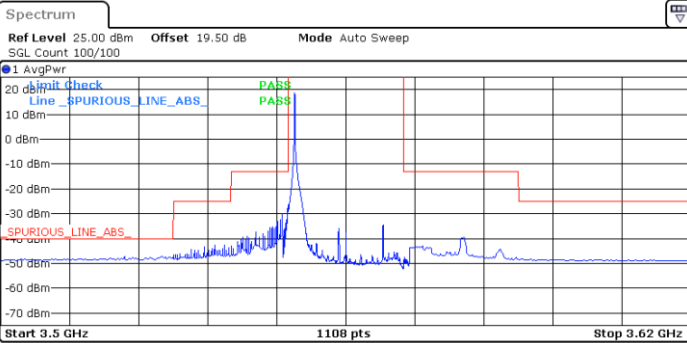


LTE Band 48 / 20MHz

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	3.52807 GHz	-47.17 dBm	-7.17 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53728 GHz	-42.59 dBm	-17.59 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54887 GHz	-30.04 dBm	-17.04 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54996 GHz	-26.44 dBm	-13.44 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55107 GHz	19.57 dBm	-11.43 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57020 GHz	-47.70 dBm	-34.70 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.58050 GHz	-39.61 dBm	-26.61 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59045 GHz	-48.09 dBm	-23.09 dB

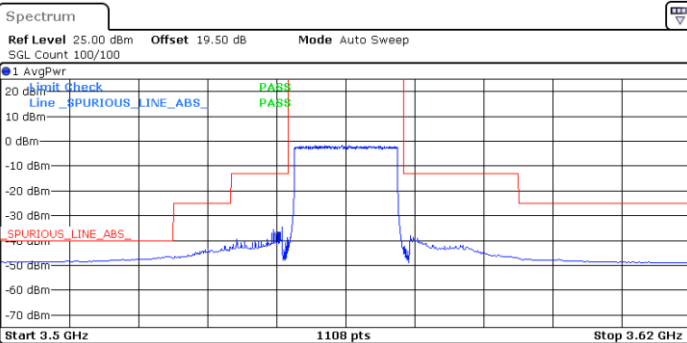
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51708 GHz	-47.91 dBm	-7.91 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53975 GHz	-39.39 dBm	-14.39 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54004 GHz	-39.60 dBm	-26.60 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54971 GHz	-47.89 dBm	-34.89 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56893 GHz	18.41 dBm	-11.59 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57002 GHz	-26.73 dBm	-13.73 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57128 GHz	-33.23 dBm	-20.23 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59074 GHz	-46.29 dBm	-21.29 dB

Date: 22.SEP.2023 17:29:45

Date: 22.SEP.2023 17:31:00

Lowest Channel / FullRB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52896 GHz	-46.46 dBm	-6.46 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53906 GHz	-42.23 dBm	-17.23 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54887 GHz	-34.66 dBm	-21.66 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54990 GHz	-38.82 dBm	-25.82 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55925 GHz	-1.62 dBm	-31.62 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57016 GHz	-42.14 dBm	-29.14 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57128 GHz	-37.90 dBm	-24.90 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59015 GHz	-47.36 dBm	-22.36 dB

Date: 22.SEP.2023 17:37:16

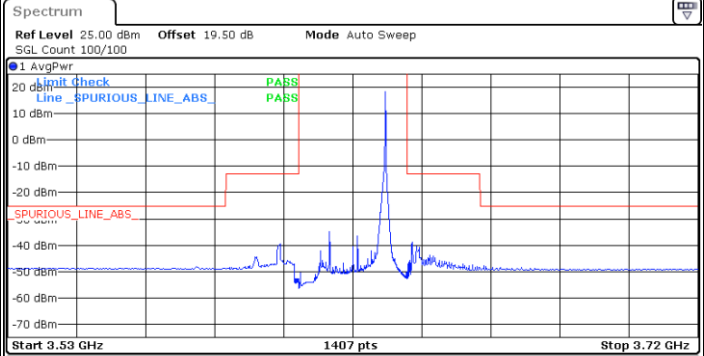
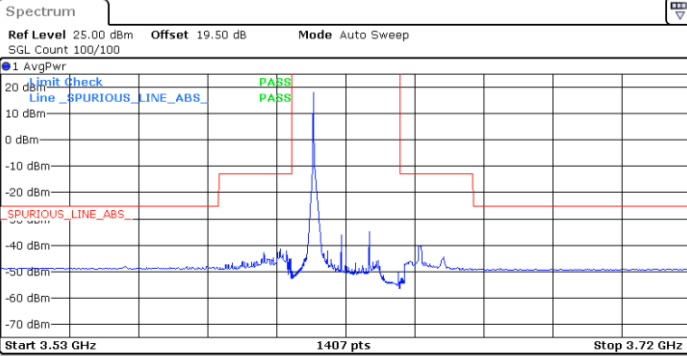


LTE Band 48 / 20MHz

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	3.58119 GHz	-48.05 dBm	-23.05 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60702 GHz	-41.58 dBm	-28.58 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60976 GHz	-45.12 dBm	-32.12 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61096 GHz	18.07 dBm	-11.93 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64038 GHz	-52.55 dBm	-39.55 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64523 GHz	-40.22 dBm	-27.22 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66761 GHz	-48.87 dBm	-23.87 dB

Spurious Emissions

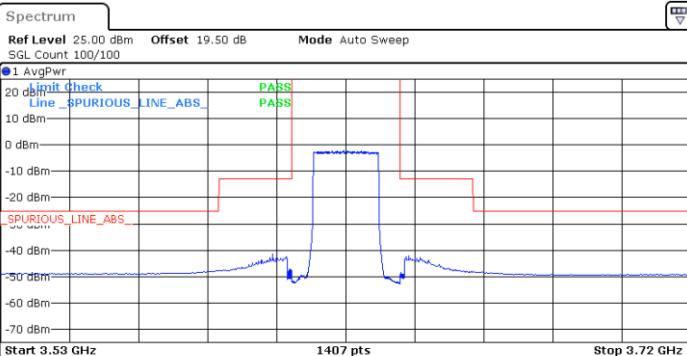
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58209 GHz	-48.09 dBm	-23.09 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60496 GHz	-39.62 dBm	-26.62 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60999 GHz	-52.71 dBm	-39.71 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63394 GHz	18.23 dBm	-11.77 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64065 GHz	-45.62 dBm	-32.62 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-38.92 dBm	-25.92 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66104 GHz	-47.84 dBm	-22.84 dB

Date: 23.SEP.2023 09:35:34

Date: 23.SEP.2023 09:33:47

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	-47.79 dBm	-22.79 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60477 GHz	-41.47 dBm	-28.47 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60963 GHz	-47.24 dBm	-34.24 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62435 GHz	-2.09 dBm	-32.09 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64020 GHz	-48.44 dBm	-35.44 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64241 GHz	-42.15 dBm	-29.15 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66045 GHz	-48.12 dBm	-23.12 dB

Date: 23.SEP.2023 09:24:52

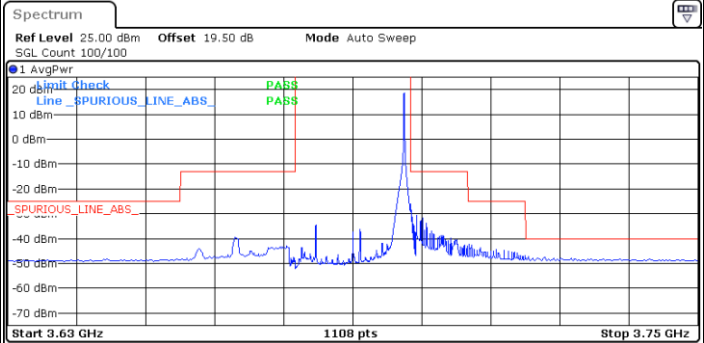
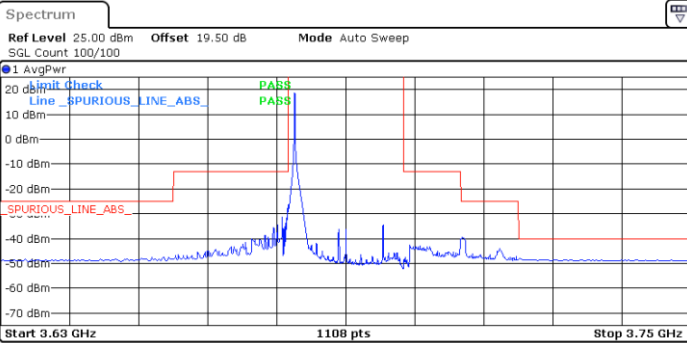


LTE Band 48 / 20MHz

64QAM

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	3.65926 GHz	-47.51 dBm	-22.51 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-31.22 dBm	-18.22 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67998 GHz	-26.26 dBm	-13.26 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68107 GHz	18.67 dBm	-11.33 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70027 GHz	-47.55 dBm	-34.55 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70996 GHz	-40.17 dBm	-27.17 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71025 GHz	-39.52 dBm	-14.52 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-48.06 dBm	-8.06 dB

Spurious Emissions

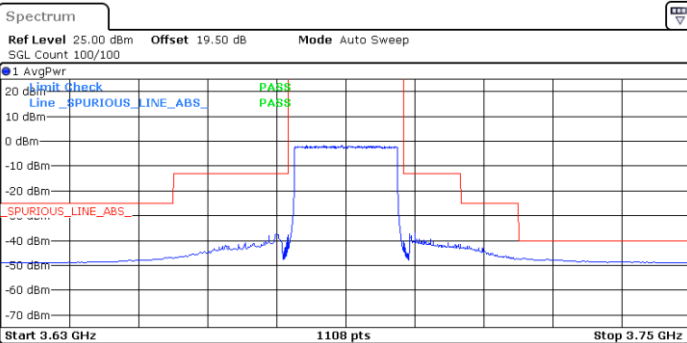
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65955 GHz	-48.22 dBm	-23.22 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.66950 GHz	-39.41 dBm	-26.41 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67972 GHz	-47.59 dBm	-34.59 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68993 GHz	18.63 dBm	-11.37 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70000 GHz	-25.93 dBm	-12.93 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70113 GHz	-30.71 dBm	-17.71 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71025 GHz	-42.13 dBm	-17.13 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72045 GHz	-47.10 dBm	-7.10 dB

Date: 22.SEP.2023 18:16:08

Date: 22.SEP.2023 18:17:23

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	-46.79 dBm	-21.79 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67797 GHz	-37.35 dBm	-24.35 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67999 GHz	-37.51 dBm	-24.51 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68935 GHz	-1.61 dBm	-31.61 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70003 GHz	-40.66 dBm	-27.66 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70194 GHz	-36.80 dBm	-23.80 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71104 GHz	-42.30 dBm	-17.30 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72104 GHz	-47.22 dBm	-7.22 dB

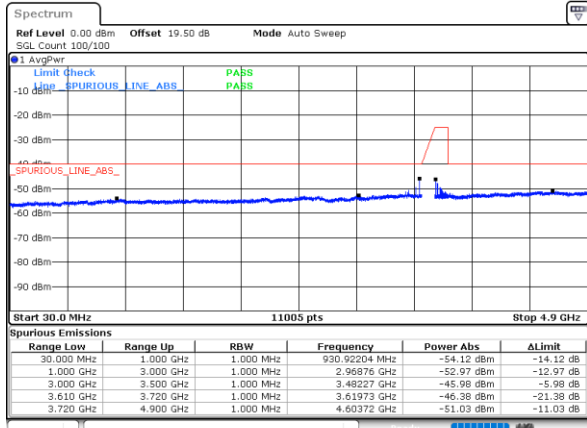
Date: 22.SEP.2023 18:23:39



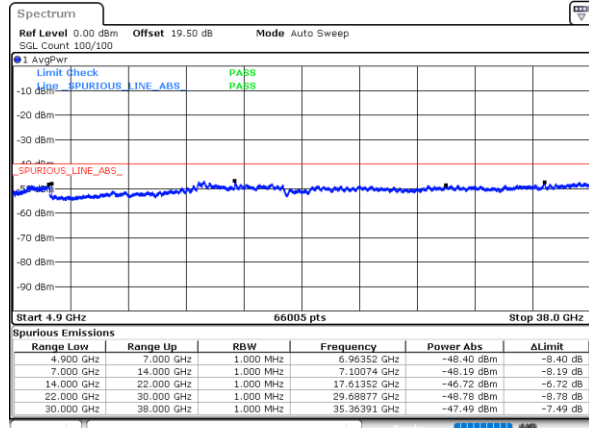
Conducted Spurious Emission

LTE Band 48 / 5MHz

Lowest Channel / QPSK

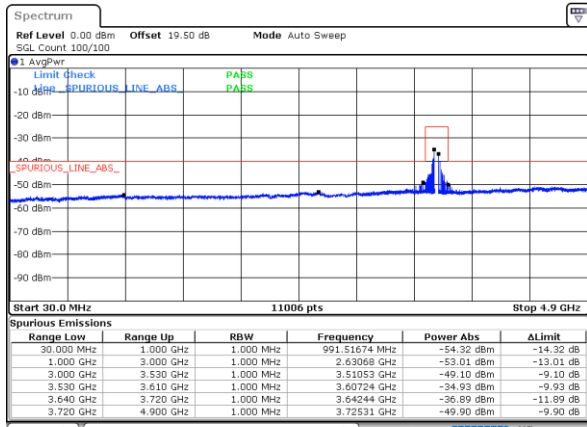


Date: 22_SEP.2023 13:54:14

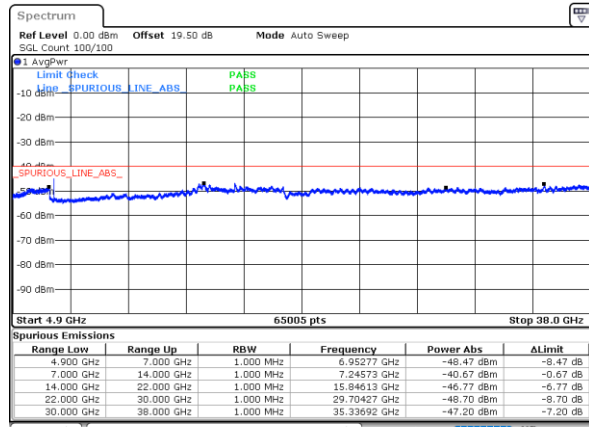


Date: 22_SEP.2023 13:55:17

Middle Channel / QPSK

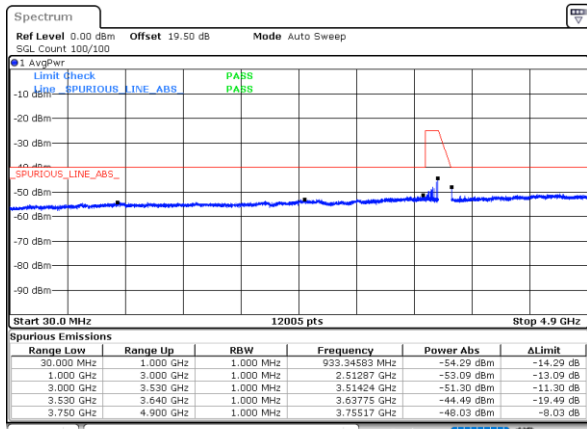


Date: 22_SEP.2023 14:15:18

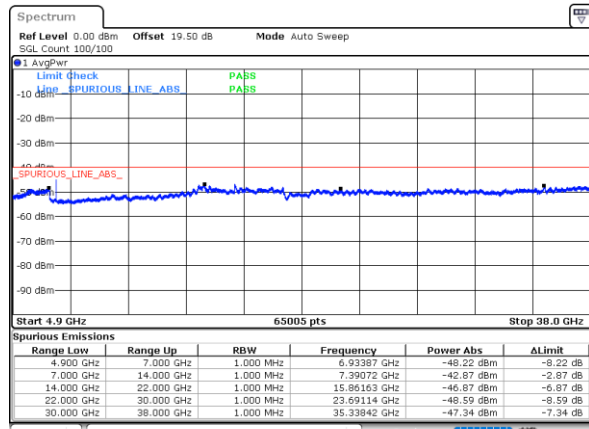


Date: 22_SEP.2023 14:16:21

Highest Channel / QPSK



Date: 22_SEP.2023 14:35:22

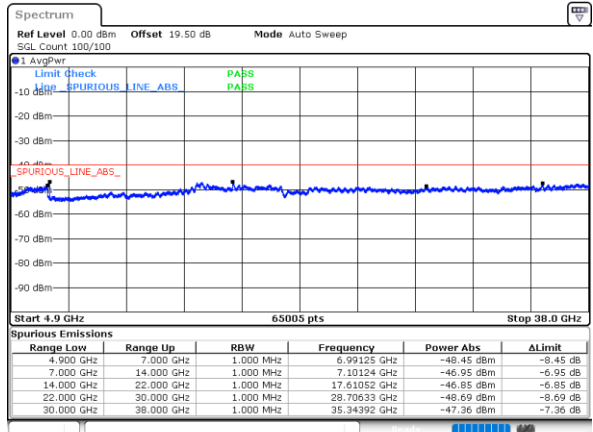
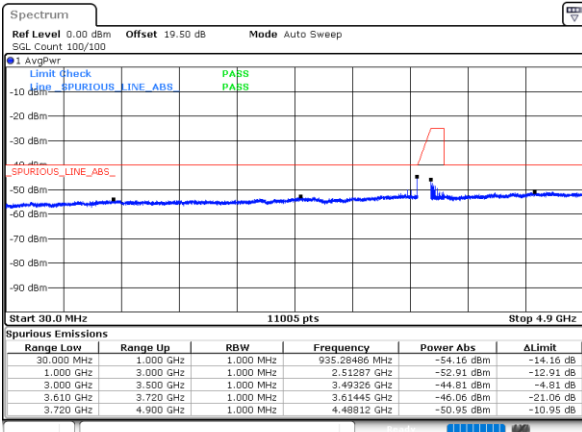


Date: 22_SEP.2023 14:36:25



LTE Band 48 / 10MHz

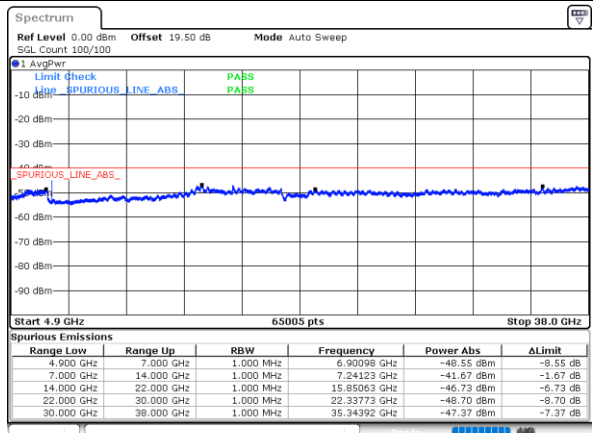
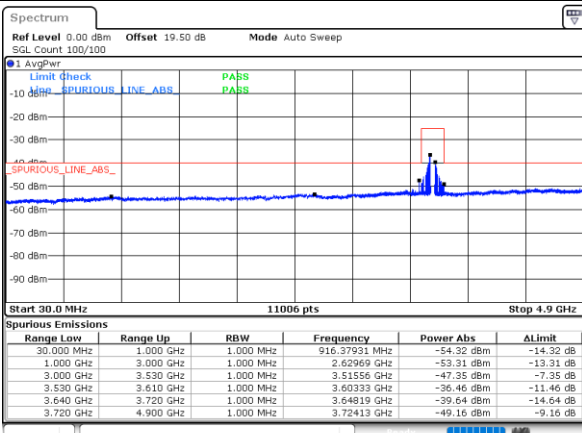
Lowest Channel / QPSK



Date: 22_SEP.2023 15:04:19

Date: 22_SEP.2023 15:05:22

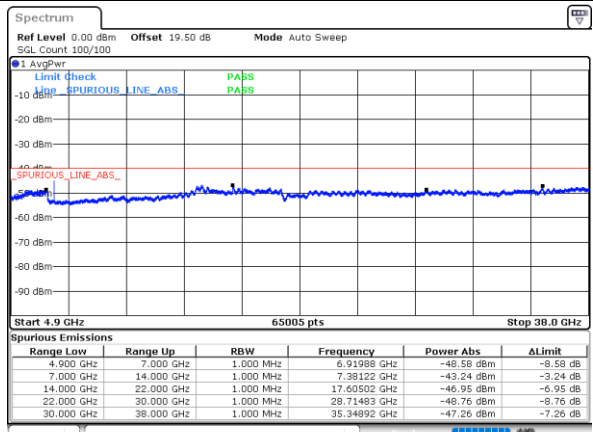
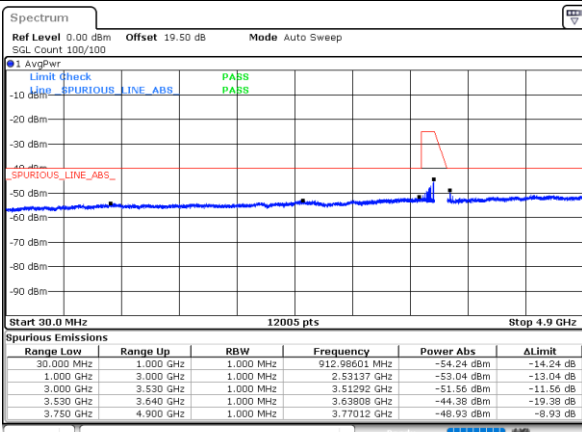
Middle Channel / QPSK



Date: 22_SEP.2023 15:25:03

Date: 22_SEP.2023 15:26:06

Highest Channel / QPSK



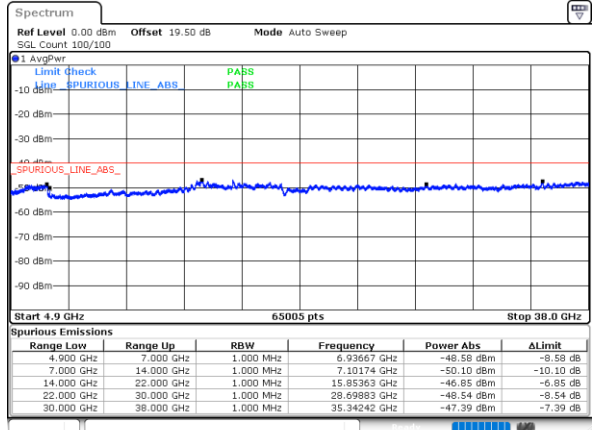
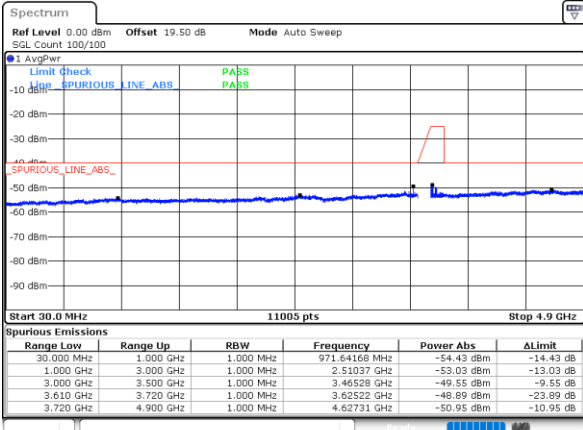
Date: 22_SEP.2023 15:44:36

Date: 22_SEP.2023 15:45:39



LTE Band 48 / 15MHz

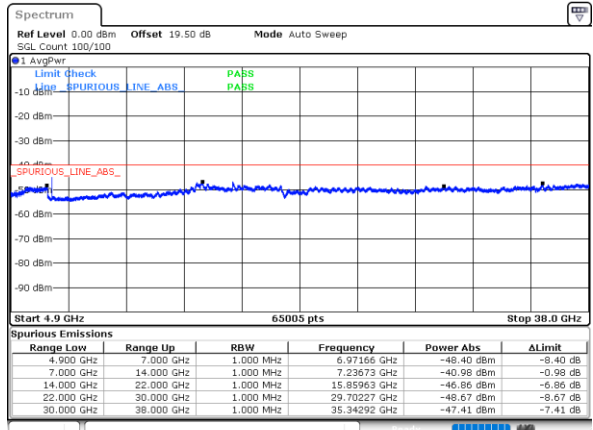
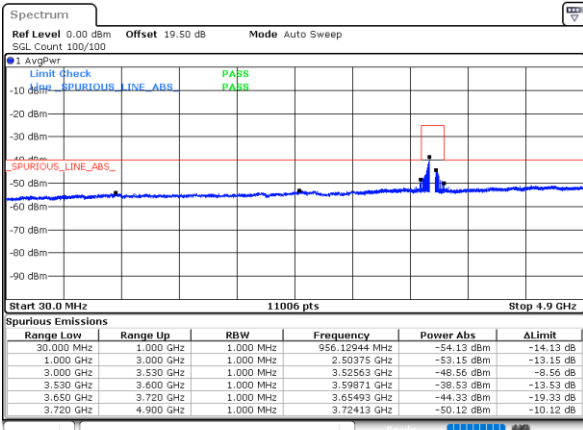
Lowest Channel / QPSK



Date: 22_SEP.2023 16:09:29

Date: 22_SEP.2023 16:10:33

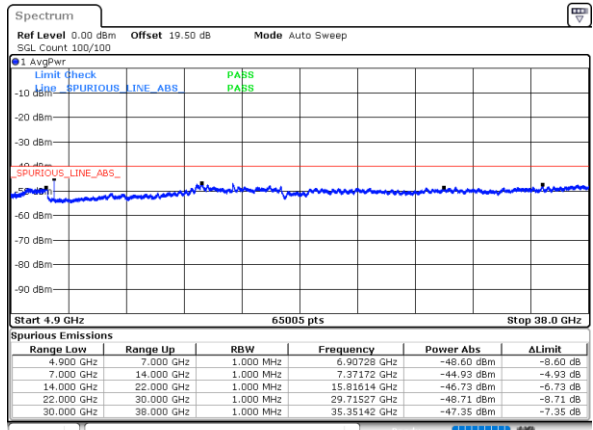
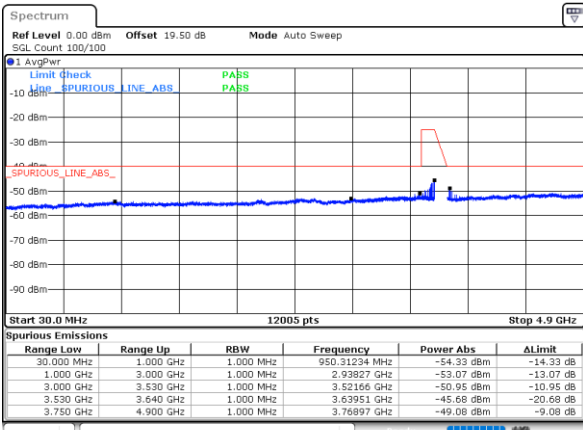
Middle Channel / QPSK



Date: 22_SEP.2023 20:12:01

Date: 22_SEP.2023 20:13:05

Highest Channel / QPSK



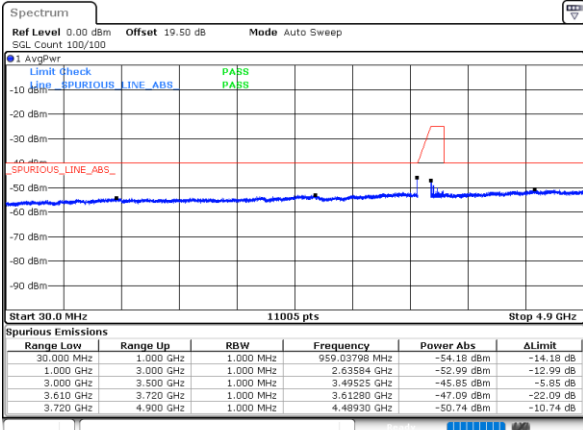
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Date: 22_SEP.2023 20:33:52

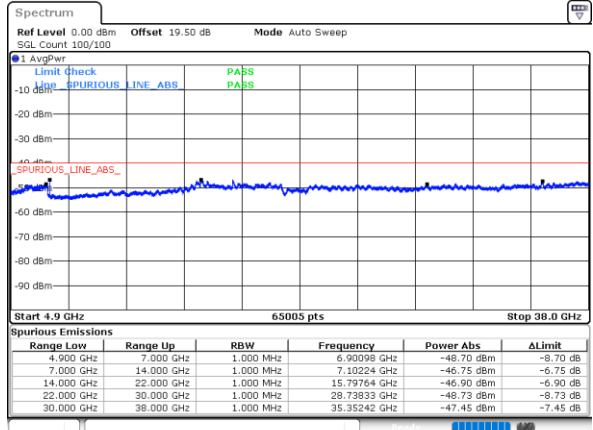


LTE Band 48 / 20MHz

Lowest Channel / QPSK

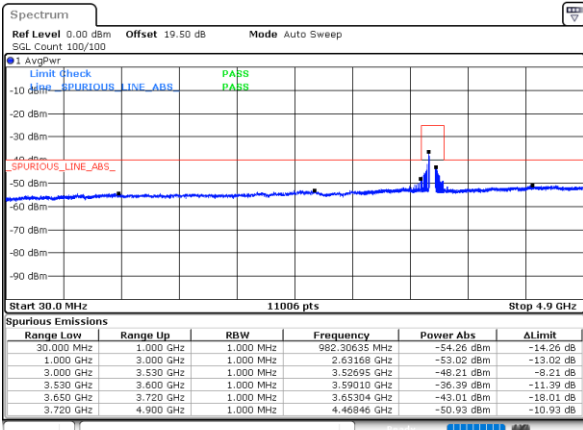


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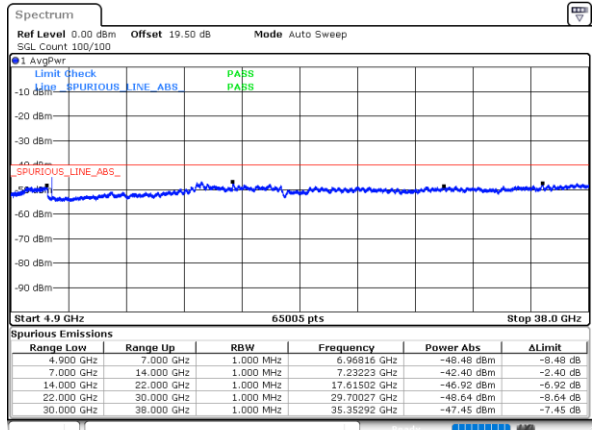


Date: 22_SEP.2023 17:39:31

Middle Channel / QPSK

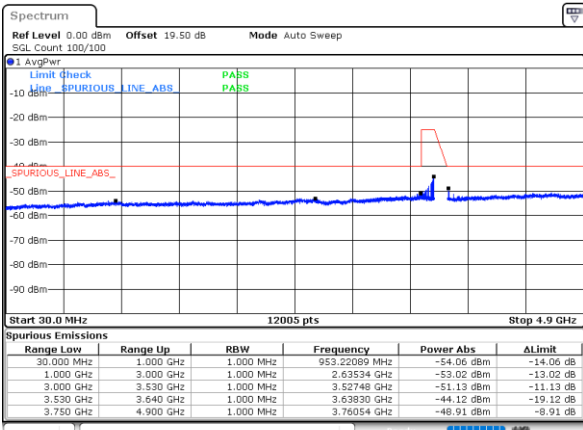


Date: 22_SEP.2023 18:02:57

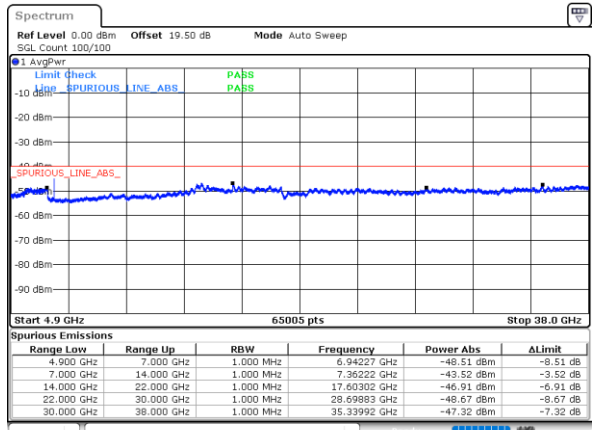


Date: 22_SEP.2023 18:04:00

Highest Channel / QPSK



Date: 22_SEP.2023 18:24:51



Date: 22_SEP.2023 18:25:55



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	0.0005	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

Note:

- 1. Normal Voltage = 3.89 V. ; Battery End Point (ACLRP) = 3.45 V. ; Maximum Voltage = 4.45 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhang Xu	Temperature :	22~25°C
		Relative Humidity :	48~52%

RSE Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 48 / 20MHz / QPSK / Ant.5									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7332.00	-59.40	-40	-19.40	-52.55	-62.70	8.30	11.60	H
	10998.00	-55.67	-40	-15.67	-55.05	-57.19	10.48	12.00	H
	14664.00	-53.96	-40	-13.96	-55.78	-55.66	11.80	13.50	H
	7332.00	-58.93	-40	-18.93	-52.57	-62.23	8.30	11.60	V
	10998.00	-55.86	-40	-15.86	-54.88	-57.38	10.48	12.00	V
	14664.00	-51.86	-40	-11.86	-55.64	-53.56	11.80	13.50	V

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