

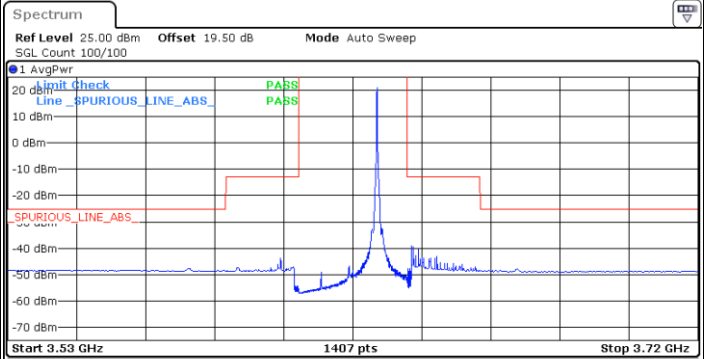
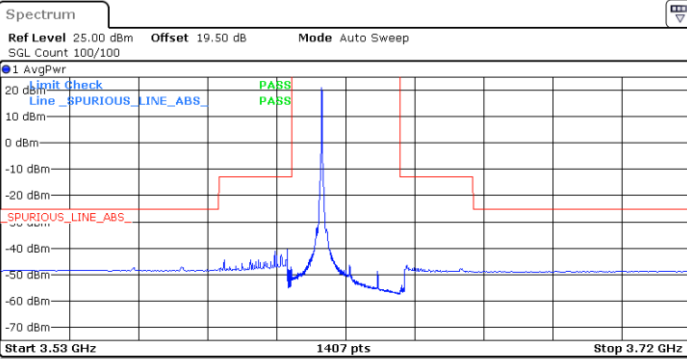


LTE Band 48 / 15MHz

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	-47.25 dBm	-22.25 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60891 GHz	-40.46 dBm	-27.46 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60991 GHz	-47.18 dBm	-34.18 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61836 GHz	21.00 dBm	-9.00 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64029 GHz	-53.92 dBm	-40.92 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64185 GHz	-46.38 dBm	-33.38 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.71866 GHz	-48.71 dBm	-23.71 dB

Spurious Emissions

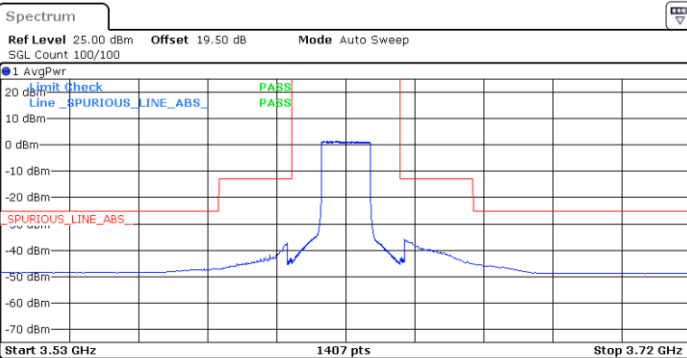
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58000 GHz	-47.63 dBm	-22.63 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60514 GHz	-43.80 dBm	-30.80 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60984 GHz	-54.33 dBm	-41.33 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63164 GHz	20.91 dBm	-9.09 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64004 GHz	-47.71 dBm	-34.71 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64109 GHz	-38.97 dBm	-25.97 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.67030 GHz	-47.85 dBm	-22.85 dB

Date: 14.AUG.2024 21:55:49

Date: 14.AUG.2024 21:50:35

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	3.58866 GHz	-46.84 dBm	-21.84 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60891 GHz	-37.23 dBm	-24.23 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60988 GHz	-43.00 dBm	-30.00 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61891 GHz	1.41 dBm	-28.59 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64038 GHz	-42.84 dBm	-29.84 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64109 GHz	-35.84 dBm	-22.84 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66045 GHz	-45.19 dBm	-20.19 dB

Date: 14.AUG.2024 21:44:32

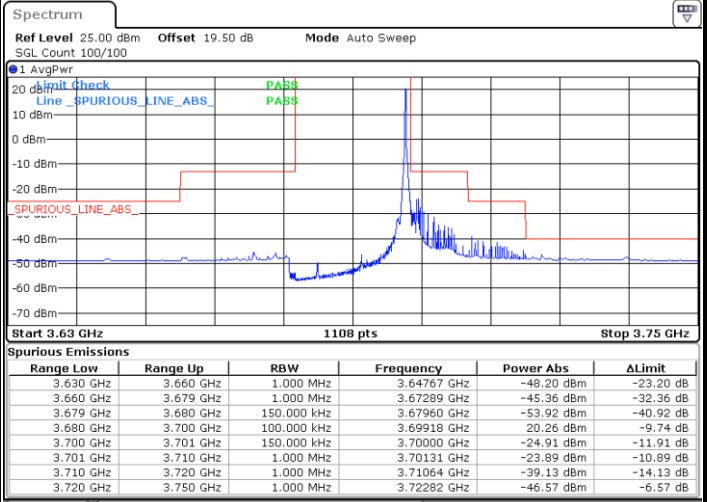
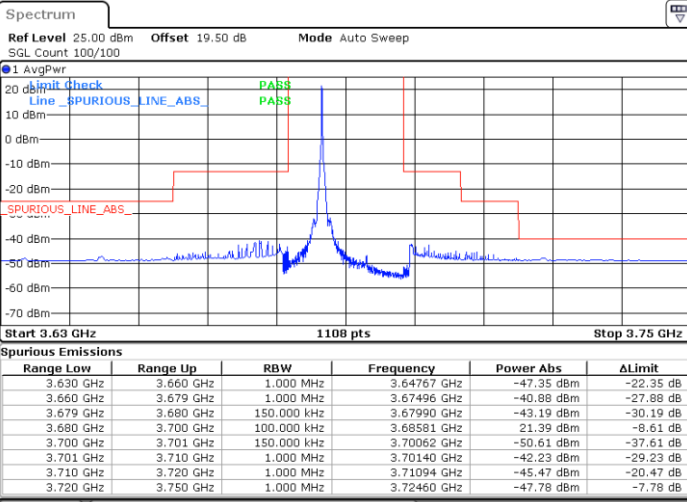


LTE Band 48 / 15MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

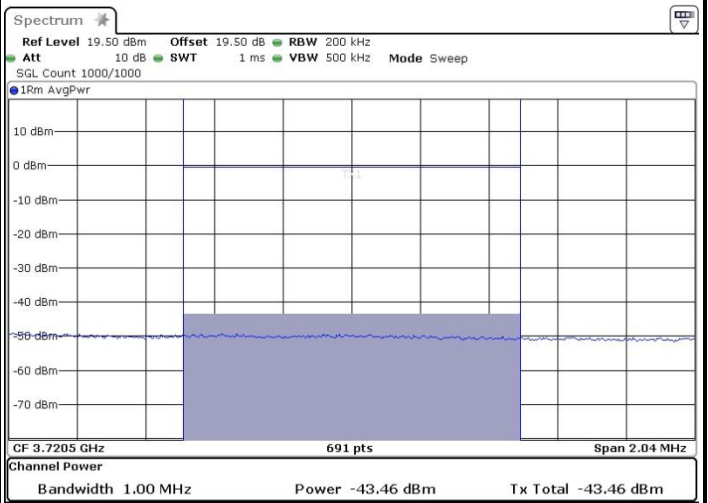
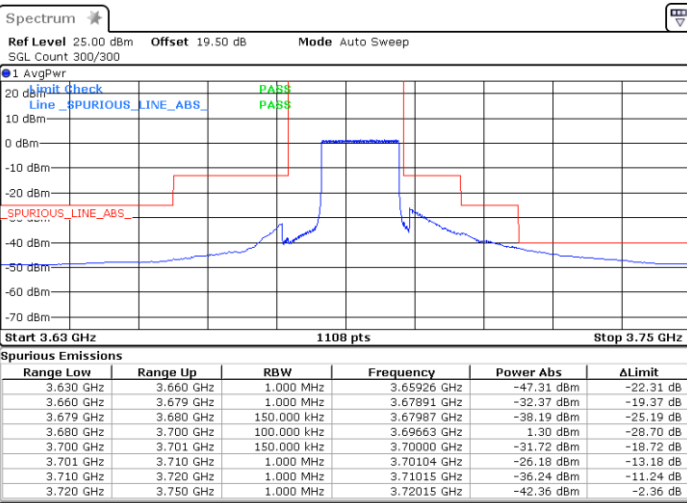


Date: 14.AUG.2024 22:11:19

Date: 14.AUG.2024 22:16:34

Highest Channel / Full RB

Highest Channel / Full RB-CP



Date: 15.AUG.2024 00:15:43

Date: 15.AUG.2024 00:17:05

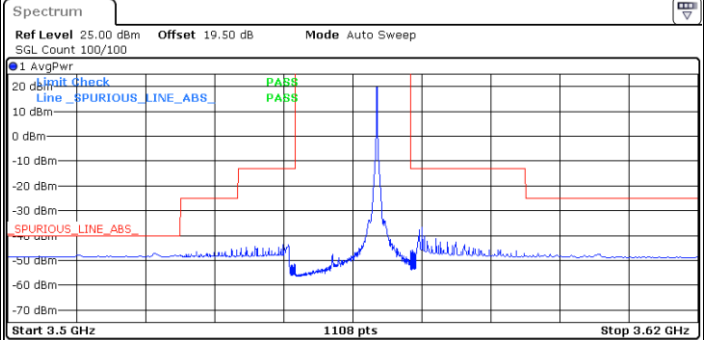
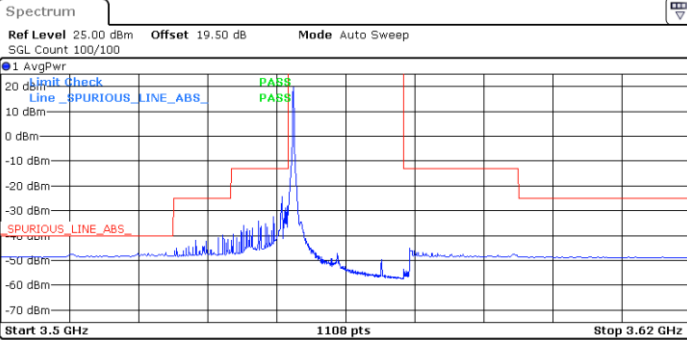


LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52866 GHz	-46.90 dBm	-6.90 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53866 GHz	-39.83 dBm	-14.83 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54887 GHz	-24.25 dBm	-11.25 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.55000 GHz	-27.73 dBm	-14.73 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55082 GHz	19.87 dBm	-10.13 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57002 GHz	-53.63 dBm	-40.63 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-45.06 dBm	-32.06 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59342 GHz	-48.51 dBm	-23.51 dB

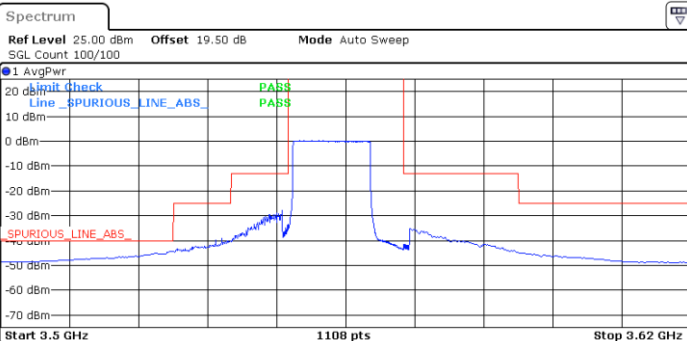
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52540 GHz	-47.23 dBm	-7.23 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53896 GHz	-45.29 dBm	-20.29 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54878 GHz	-43.62 dBm	-30.62 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54990 GHz	-51.38 dBm	-38.38 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56419 GHz	19.62 dBm	-10.38 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57027 GHz	-45.93 dBm	-32.93 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57203 GHz	-36.55 dBm	-23.55 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59223 GHz	-47.02 dBm	-22.02 dB

Date: 14.AUG.2024 21:02:25

Date: 14.AUG.2024 21:08:26

Lowest Channel / Full RB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52955 GHz	-44.20 dBm	-4.20 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53847 GHz	-39.10 dBm	-14.10 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54896 GHz	-27.95 dBm	-14.95 dB
3.549 GHz	3.550 GHz	150.000 kHz	3.54993 GHz	-33.47 dBm	-20.47 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55202 GHz	0.26 dBm	-29.74 dB
3.570 GHz	3.571 GHz	150.000 kHz	3.57009 GHz	-41.48 dBm	-28.48 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57128 GHz	-35.05 dBm	-22.05 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59015 GHz	-44.96 dBm	-19.96 dB

Date: 14.AUG.2024 21:09:38

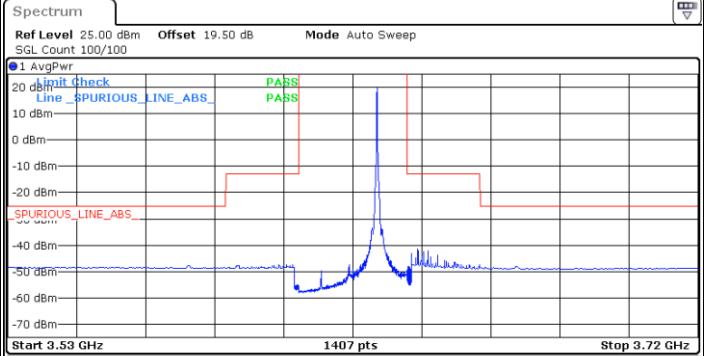
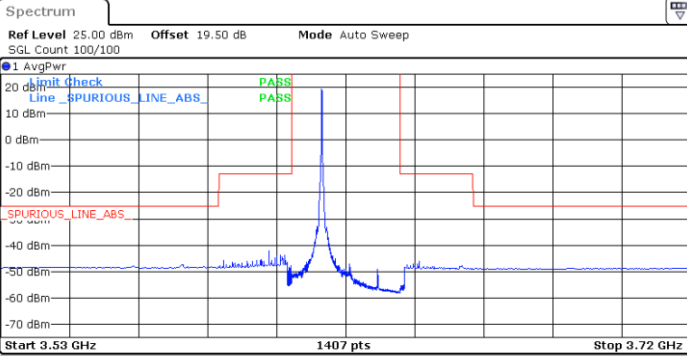


LTE Band 48 / 15MHz

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	3.57970 GHz	-47.52 dBm	-22.52 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60383 GHz	-42.16 dBm	-29.16 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60982 GHz	-47.87 dBm	-34.87 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61836 GHz	19.29 dBm	-10.71 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64093 GHz	-55.08 dBm	-42.08 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64523 GHz	-45.95 dBm	-32.95 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.71567 GHz	-48.77 dBm	-23.77 dB

Spurious Emissions

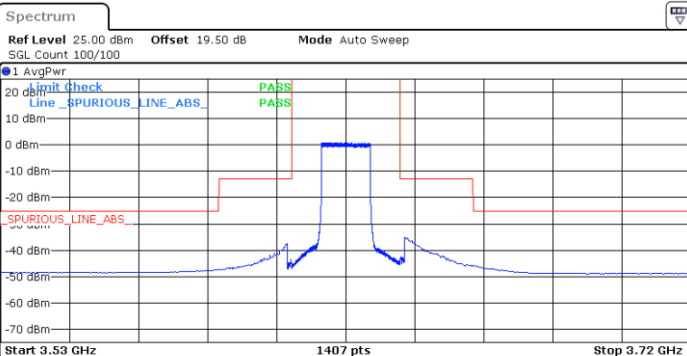
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.57970 GHz	-47.76 dBm	-22.76 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60853 GHz	-47.32 dBm	-34.32 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60984 GHz	-54.92 dBm	-41.92 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63164 GHz	19.73 dBm	-10.27 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64040 GHz	-48.13 dBm	-35.13 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64279 GHz	-41.58 dBm	-28.58 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.67000 GHz	-48.12 dBm	-23.12 dB

Date: 14.AUG.2024 21:57:33

Date: 14.AUG.2024 21:48:51

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	-47.32 dBm	-22.32 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60891 GHz	-37.48 dBm	-24.48 dB
3.609 GHz	3.610 GHz	150.000 kHz	3.60984 GHz	-43.44 dBm	-30.44 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62245 GHz	0.75 dBm	-29.25 dB
3.640 GHz	3.641 GHz	150.000 kHz	3.64005 GHz	-42.28 dBm	-29.28 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-35.01 dBm	-22.01 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66015 GHz	-45.91 dBm	-20.91 dB

Date: 14.AUG.2024 21:47:01

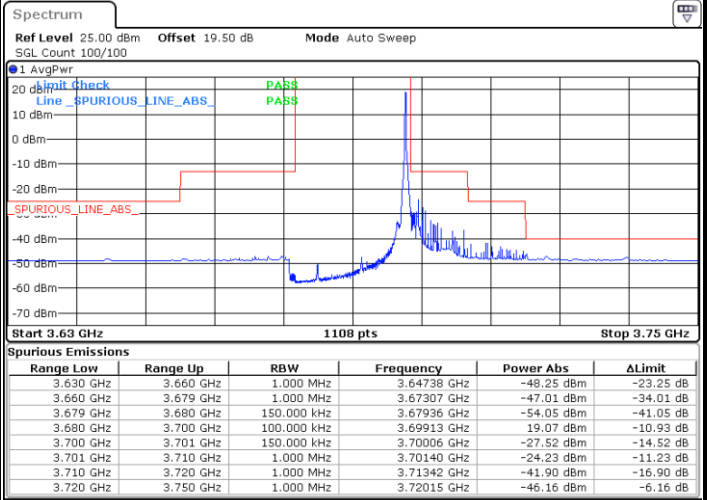
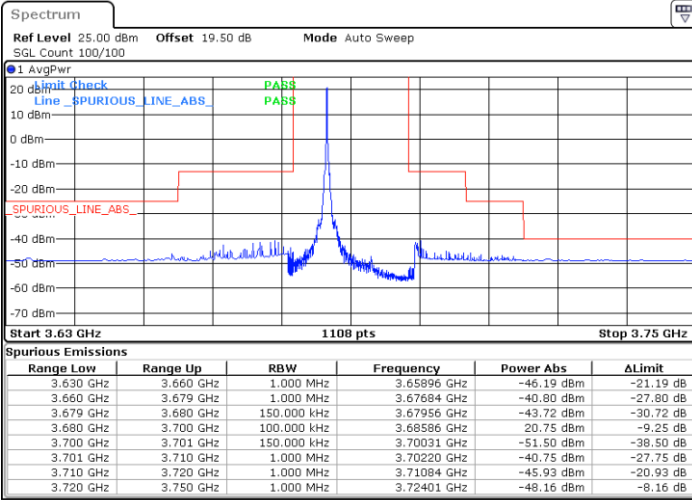


LTE Band 48 / 15MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

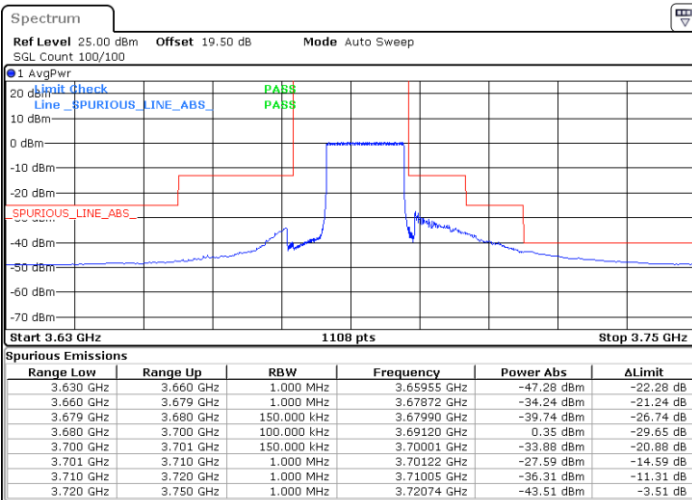


Date: 14.AUG.2024 22:09:34

Date: 14.AUG.2024 22:18:19

Highest Channel / Full RB

N/A



Date: 14.AUG.2024 22:20:04

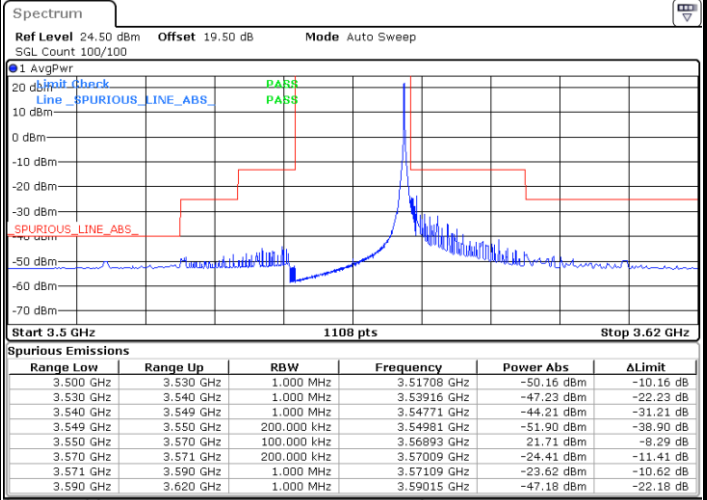
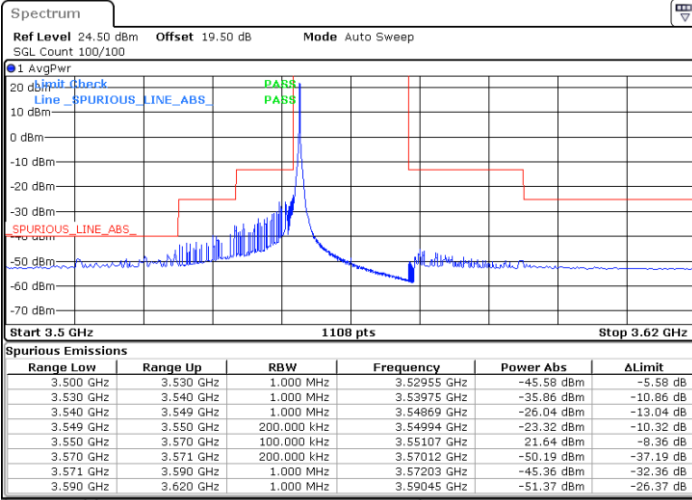


LTE Band 48 / 20MHz

QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

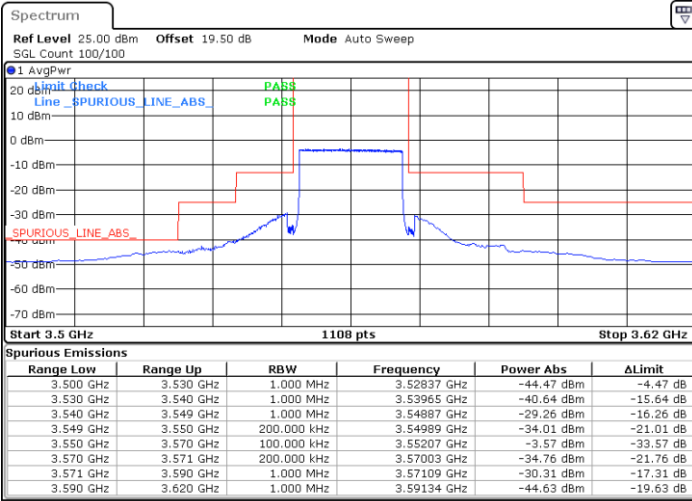


Date: 14.AUG.2024 22:34:47

Date: 14.AUG.2024 22:43:32

Lowest Channel / Full RB

N/A



Date: 20 AUG.2024 14:30:49

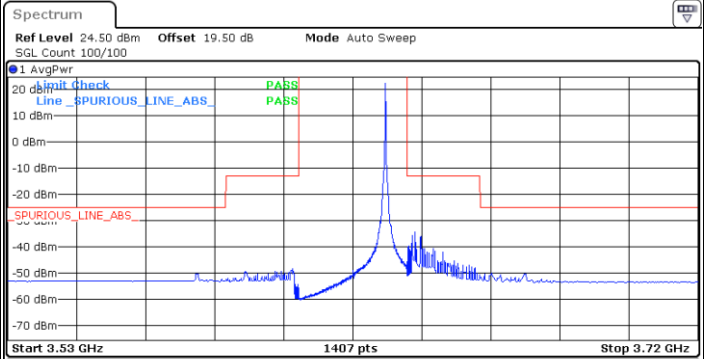
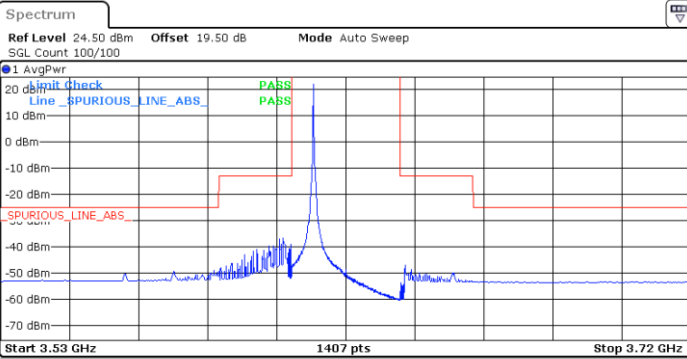


LTE Band 48 / 20MHz

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	3.58866 GHz	-49.00 dBm	-24.00 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60977 GHz	-36.79 dBm	-23.79 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60977 GHz	-38.97 dBm	-25.97 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61606 GHz	21.87 dBm	-9.13 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64005 GHz	-53.68 dBm	-40.68 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-46.90 dBm	-33.90 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66045 GHz	-53.08 dBm	-28.08 dB

Spurious Emissions

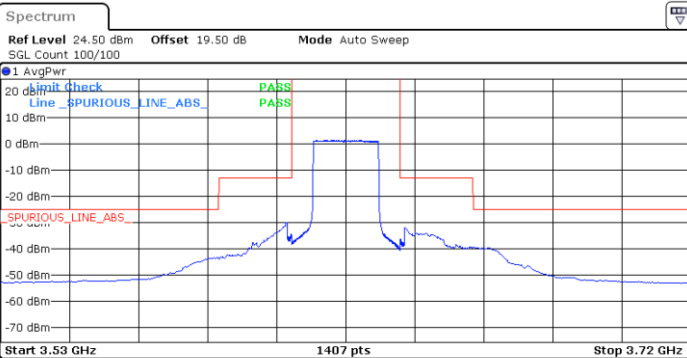
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58209 GHz	-50.15 dBm	-25.15 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60834 GHz	-48.27 dBm	-35.27 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60976 GHz	-54.13 dBm	-41.13 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63389 GHz	22.02 dBm	-7.98 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64046 GHz	-39.48 dBm	-26.48 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64203 GHz	-34.33 dBm	-21.33 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66313 GHz	-49.85 dBm	-24.85 dB

Date: 14.AUG.2024 23:13:04

Date: 14.AUG.2024 23:04:23

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	3.58866 GHz	-43.25 dBm	-18.25 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60872 GHz	-29.87 dBm	-16.87 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60979 GHz	-34.38 dBm	-21.38 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62305 GHz	1.26 dBm	-28.74 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64003 GHz	-36.43 dBm	-23.43 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-32.07 dBm	-19.07 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66015 GHz	-39.19 dBm	-14.19 dB

Date: 14.AUG.2024 23:02:39

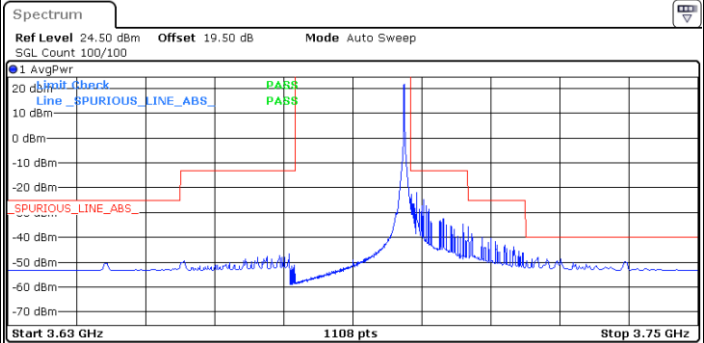
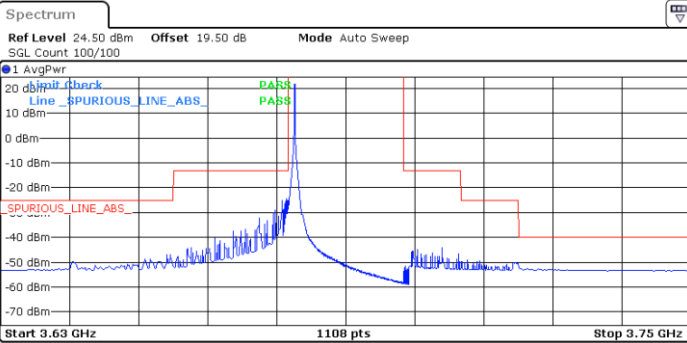


LTE Band 48 / 20MHz

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	3.65896 GHz	-46.83 dBm	-21.83 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-25.00 dBm	-12.00 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67973 GHz	-24.45 dBm	-11.45 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68112 GHz	21.62 dBm	-8.38 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70027 GHz	-51.68 dBm	-38.68 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70575 GHz	-44.28 dBm	-31.28 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71104 GHz	-49.22 dBm	-24.22 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72342 GHz	-52.49 dBm	-12.49 dB

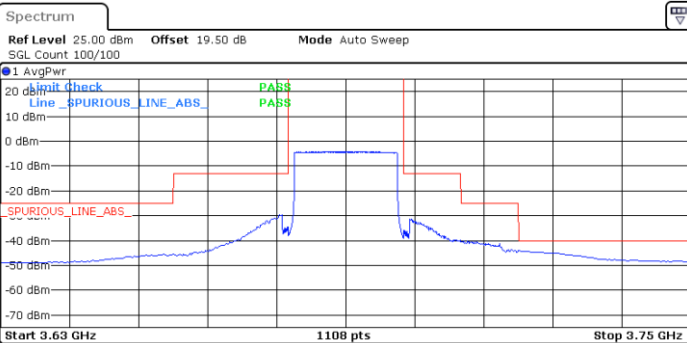
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.64708 GHz	-50.59 dBm	-25.59 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-46.65 dBm	-33.65 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67988 GHz	-51.34 dBm	-38.34 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69893 GHz	21.73 dBm	-8.27 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70014 GHz	-22.62 dBm	-9.62 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.71014 GHz	-22.15 dBm	-9.15 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71005 GHz	-35.66 dBm	-10.66 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72223 GHz	-47.90 dBm	-7.90 dB

Date: 14.AUG.2024 23:26:11

Date: 14.AUG.2024 23:34:55

Highest Channel / Full RB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65837 GHz	-45.53 dBm	-20.53 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67853 GHz	-29.68 dBm	-16.68 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67987 GHz	-34.36 dBm	-21.36 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68681 GHz	-4.10 dBm	-34.10 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70011 GHz	-35.87 dBm	-22.87 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70131 GHz	-31.21 dBm	-18.21 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71045 GHz	-39.98 dBm	-14.98 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-43.92 dBm	-3.92 dB

Date: 20.AUG.2024 14:36:17

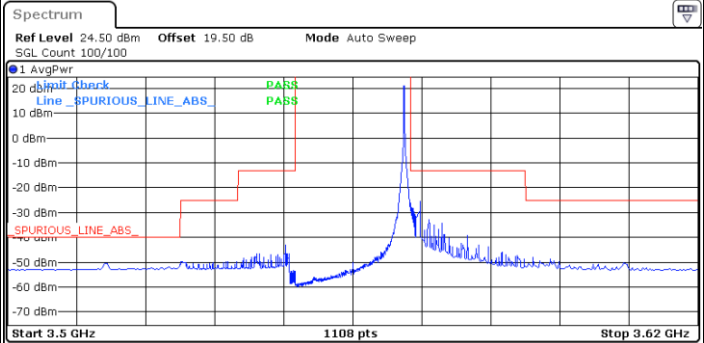
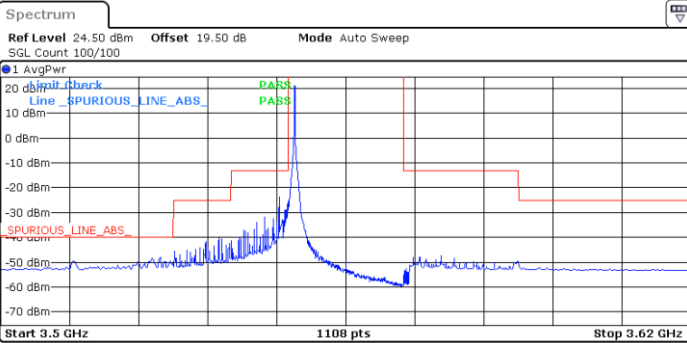


LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52777 GHz	-48.06 dBm	-8.06 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53797 GHz	-40.46 dBm	-15.46 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54842 GHz	-23.66 dBm	-10.66 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.55000 GHz	-25.37 dBm	-12.37 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55112 GHz	21.03 dBm	-8.97 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57045 GHz	-52.57 dBm	-39.57 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57655 GHz	-47.47 dBm	-34.47 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59015 GHz	-51.79 dBm	-26.79 dB

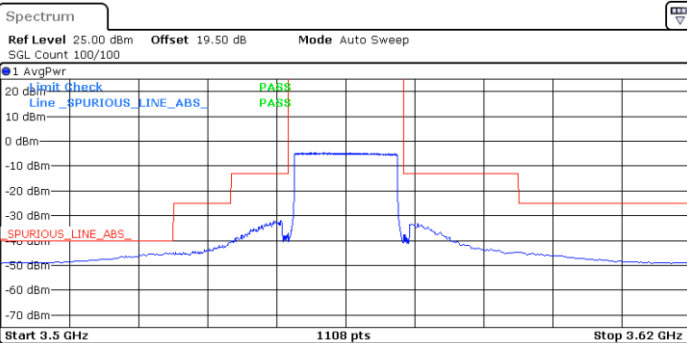
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51708 GHz	-50.58 dBm	-10.58 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53985 GHz	-49.74 dBm	-24.74 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54824 GHz	-43.20 dBm	-30.20 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54963 GHz	-53.20 dBm	-40.20 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56893 GHz	21.00 dBm	-9.00 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57000 GHz	-26.22 dBm	-13.22 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57166 GHz	-25.62 dBm	-12.62 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59134 GHz	-48.05 dBm	-23.05 dB

Date: 14.AUG.2024 22:36:32

Date: 14.AUG.2024 22:41:47

Lowest Channel / Full RB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52866 GHz	-45.07 dBm	-5.07 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53995 GHz	-40.71 dBm	-15.71 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54753 GHz	-31.91 dBm	-18.91 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54999 GHz	-37.05 dBm	-24.05 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55397 GHz	-4.63 dBm	-34.63 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57009 GHz	-37.62 dBm	-24.62 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57241 GHz	-33.18 dBm	-20.18 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59045 GHz	-44.77 dBm	-19.77 dB

Date: 20 AUG.2024 14:32:23

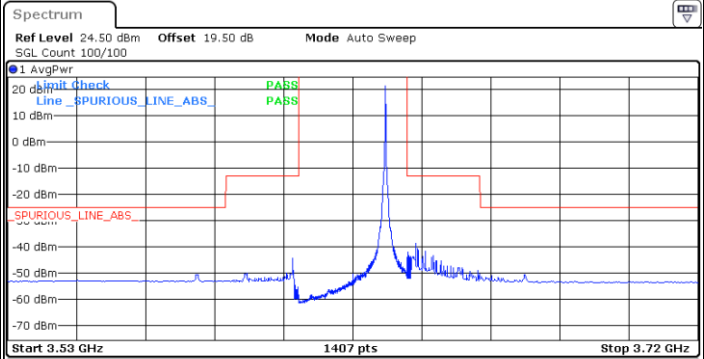
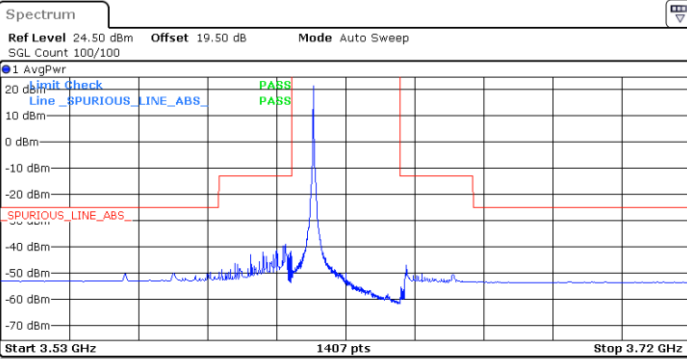


LTE Band 48 / 20MHz

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	3.58776 GHz	-49.49 dBm	-24.49 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60853 GHz	-38.86 dBm	-25.86 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60998 GHz	-41.47 dBm	-28.47 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61611 GHz	21.17 dBm	-8.93 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64011 GHz	-55.39 dBm	-42.39 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64166 GHz	-46.98 dBm	-33.98 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66075 GHz	-53.08 dBm	-28.08 dB

Spurious Emissions

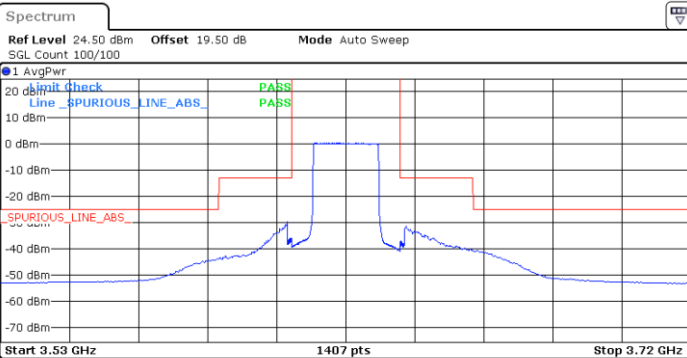
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.590 GHz	1.000 MHz	3.58209 GHz	-50.43 dBm	-25.43 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60834 GHz	-44.38 dBm	-31.38 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60912 GHz	-54.71 dBm	-41.71 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.63389 GHz	21.06 dBm	-8.94 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64010 GHz	-41.99 dBm	-28.99 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64222 GHz	-38.67 dBm	-25.67 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.67209 GHz	-50.63 dBm	-25.63 dB

Date: 14.AUG.2024 23:11:20

Date: 14.AUG.2024 23:06:08

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	-43.75 dBm	-18.75 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60891 GHz	-29.78 dBm	-16.78 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.61000 GHz	-35.95 dBm	-22.95 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62775 GHz	0.21 dBm	-29.79 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64004 GHz	-37.00 dBm	-24.00 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64147 GHz	-31.47 dBm	-18.47 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66134 GHz	-40.69 dBm	-15.69 dB

Date: 14.AUG.2024 23:00:55

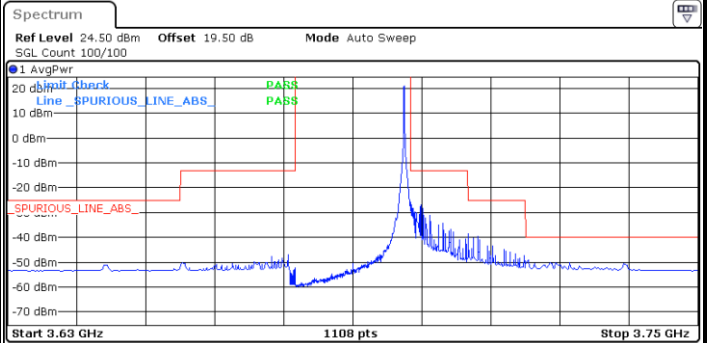
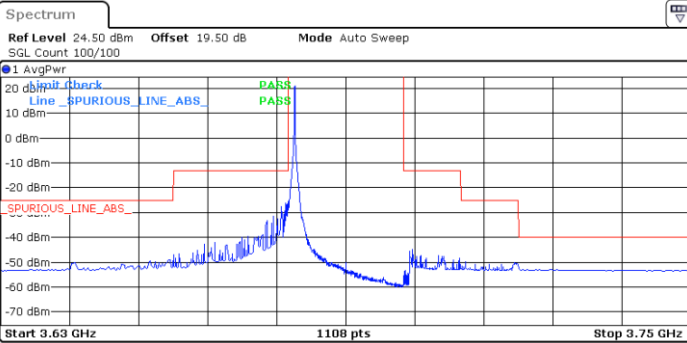


LTE Band 48 / 20MHz

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	3.65955 GHz	-49.21 dBm	-24.21 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67872 GHz	-27.67 dBm	-14.67 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67997 GHz	-25.40 dBm	-12.40 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68112 GHz	20.98 dBm	-9.12 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70029 GHz	-53.18 dBm	-40.18 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70149 GHz	-45.00 dBm	-32.00 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71074 GHz	-49.67 dBm	-24.67 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72312 GHz	-52.94 dBm	-12.94 dB

Spurious Emissions

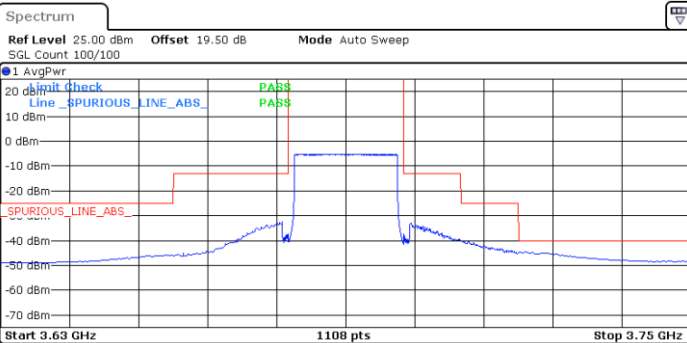
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.64708 GHz	-51.20 dBm	-26.20 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67872 GHz	-47.13 dBm	-34.13 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67993 GHz	-52.38 dBm	-39.38 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69993 GHz	20.84 dBm	-9.16 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70001 GHz	-25.71 dBm	-12.71 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70185 GHz	-26.85 dBm	-13.85 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71005 GHz	-38.62 dBm	-13.62 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72045 GHz	-49.06 dBm	-9.06 dB

Date: 14.AUG.2024 23:27:56

Date: 14.AUG.2024 23:33:10

Highest Channel / Full RB

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	-45.89 dBm	-20.89 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-32.56 dBm	-19.56 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67998 GHz	-37.41 dBm	-24.41 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68696 GHz	-5.12 dBm	-35.12 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70000 GHz	-37.23 dBm	-24.23 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70140 GHz	-33.15 dBm	-20.15 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71005 GHz	-40.18 dBm	-15.18 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72104 GHz	-44.48 dBm	-4.48 dB

Date: 20 AUG.2024 14:34:37

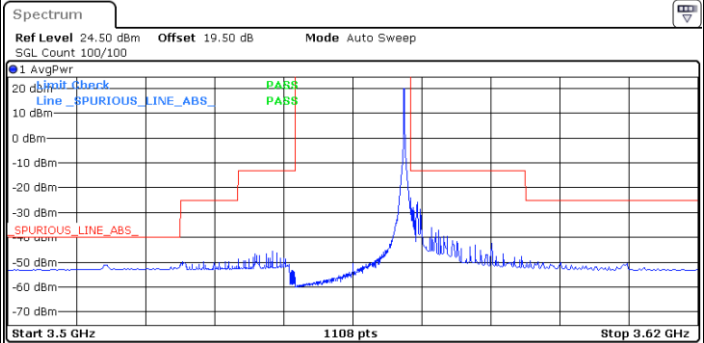
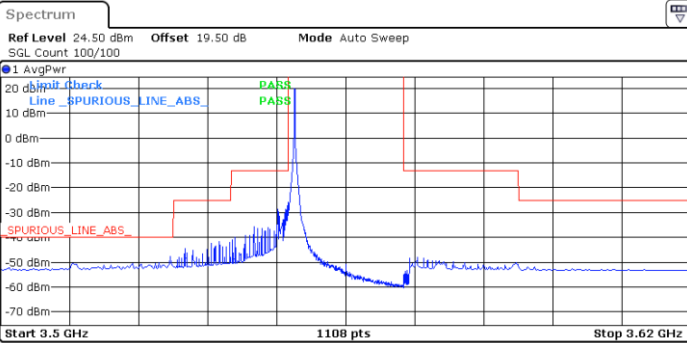


LTE Band 48 / 20MHz

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	3.52955 GHz	-47.55 dBm	-7.55 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53797 GHz	-41.78 dBm	-16.78 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54815 GHz	-28.60 dBm	-15.60 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54996 GHz	-25.96 dBm	-12.96 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55107 GHz	19.86 dBm	-10.14 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57056 GHz	-53.44 dBm	-40.44 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57241 GHz	-48.16 dBm	-35.16 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59282 GHz	-51.88 dBm	-26.88 dB

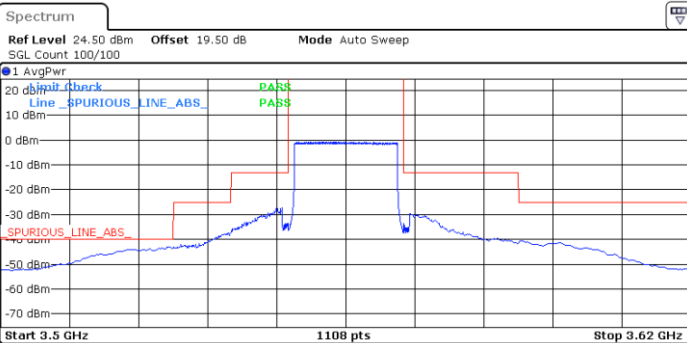
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51738 GHz	-51.15 dBm	-11.15 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53401 GHz	-49.65 dBm	-24.65 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54610 GHz	-45.65 dBm	-32.65 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54934 GHz	-53.17 dBm	-40.17 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56893 GHz	20.08 dBm	-9.92 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57003 GHz	-24.24 dBm	-11.24 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57128 GHz	-25.76 dBm	-12.76 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59074 GHz	-49.48 dBm	-24.48 dB

Date: 14.AUG.2024 22:38:17

Date: 14.AUG.2024 22:40:02

Lowest Channel / Full RB

N/A



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52896 GHz	-43.11 dBm	-3.11 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53955 GHz	-37.36 dBm	-12.36 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54896 GHz	-27.40 dBm	-14.40 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54979 GHz	-33.50 dBm	-20.50 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55766 GHz	-0.81 dBm	-30.81 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57002 GHz	-33.60 dBm	-20.60 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57128 GHz	-29.66 dBm	-16.66 dB
3.590 GHz	3.620 GHz	1.000 MHz	3.59074 GHz	-40.49 dBm	-15.49 dB

Date: 26 AUG.2024 09:25:19

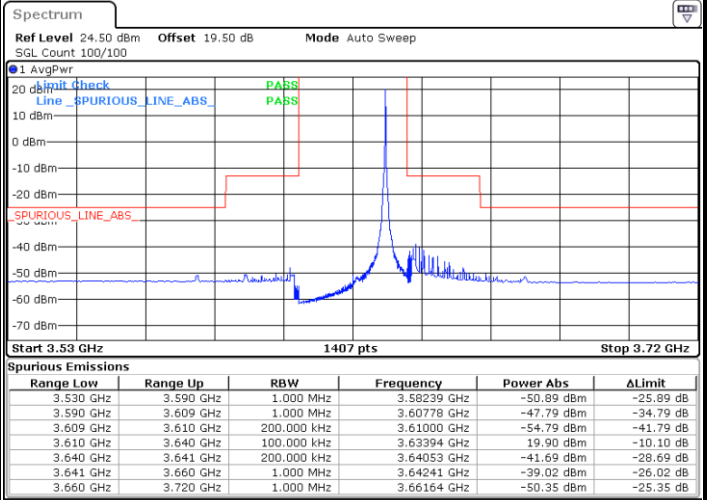
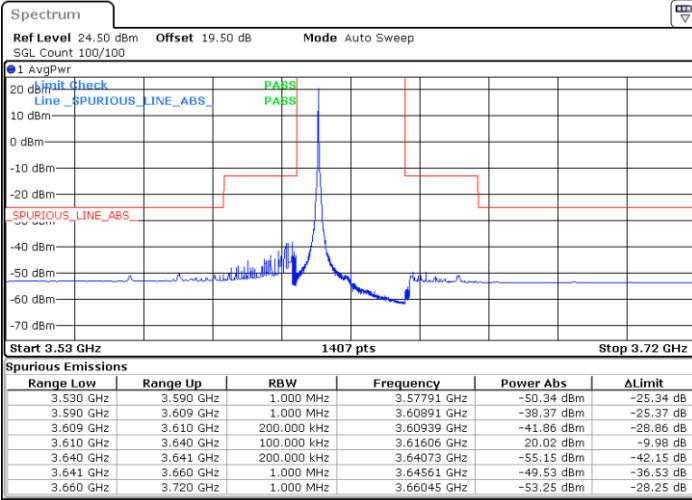


LTE Band 48 / 20MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

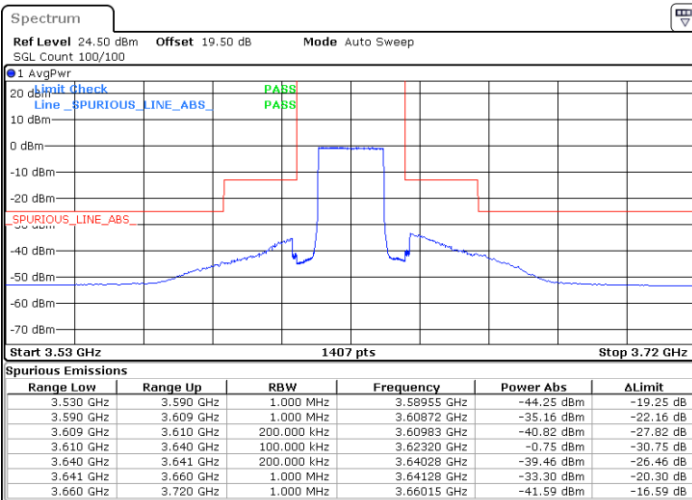


Date: 14.AUG.2024 23:09:36

Date: 14.AUG.2024 23:07:52

Middle Channel / Full RB

N/A



Date: 14.AUG.2024 22:59:11

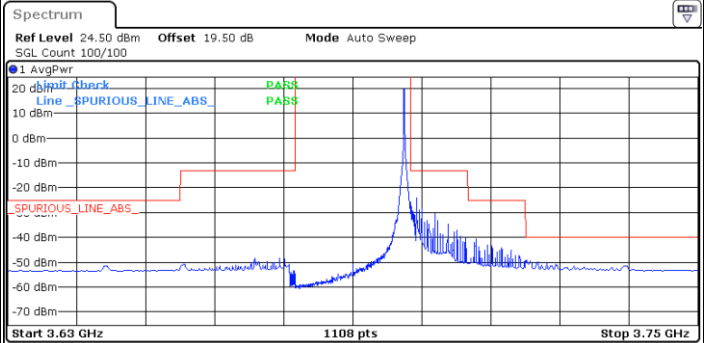
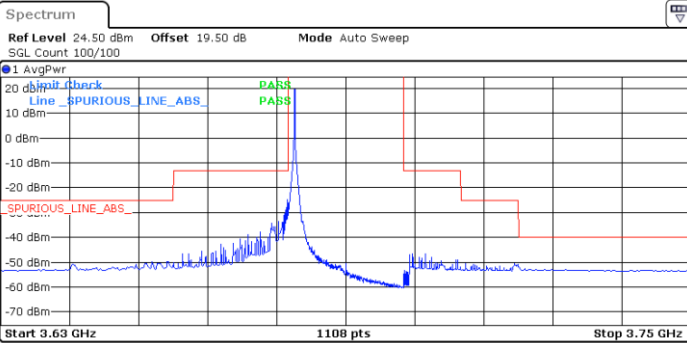


LTE Band 48 / 20MHz

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	3.65896 GHz	-49.68 dBm	-24.68 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67834 GHz	-33.64 dBm	-20.64 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67986 GHz	-24.74 dBm	-11.74 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68112 GHz	19.71 dBm	-10.29 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70024 GHz	-53.15 dBm	-40.15 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70158 GHz	-46.51 dBm	-33.51 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71084 GHz	-50.40 dBm	-25.40 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-52.27 dBm	-12.27 dB

Spurious Emissions

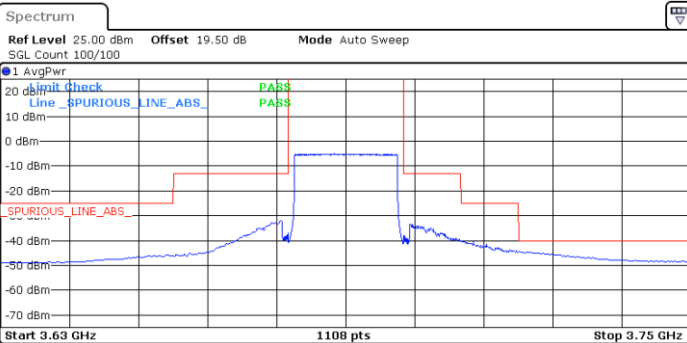
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.64738 GHz	-51.44 dBm	-26.44 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67721 GHz	-48.32 dBm	-35.32 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67967 GHz	-53.42 dBm	-40.42 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69893 GHz	20.05 dBm	-9.95 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70006 GHz	-25.89 dBm	-12.89 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-24.24 dBm	-11.24 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71134 GHz	-40.60 dBm	-15.60 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72015 GHz	-49.24 dBm	-9.24 dB

Date: 14.AUG.2024 23:29:41

Date: 14.AUG.2024 23:31:25

Highest Channel / Full RB

N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.630 GHz	3.660 GHz	1.000 MHz	3.65926 GHz	-45.67 dBm	-20.67 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67872 GHz	-32.02 dBm	-19.02 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.68000 GHz	-36.97 dBm	-23.97 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68796 GHz	-5.09 dBm	-35.09 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70014 GHz	-38.08 dBm	-25.08 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70113 GHz	-33.34 dBm	-20.34 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	-44.27 dBm	-4.27 dB

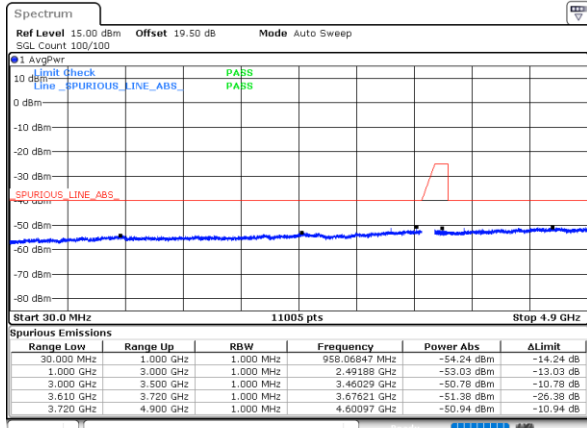
Date: 20 AUG.2024 14:37:54



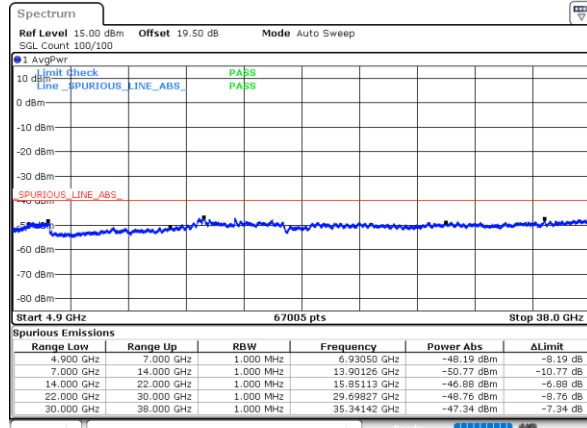
Conducted Spurious Emission

LTE Band 48 / 5MHz

Lowest Channel / QPSK

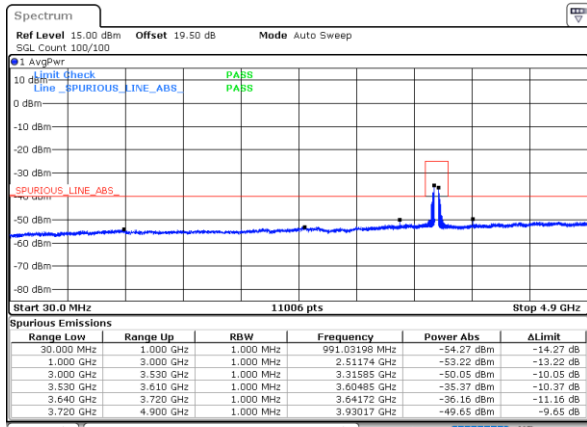


Date: 8.AUG.2024 11:06:10

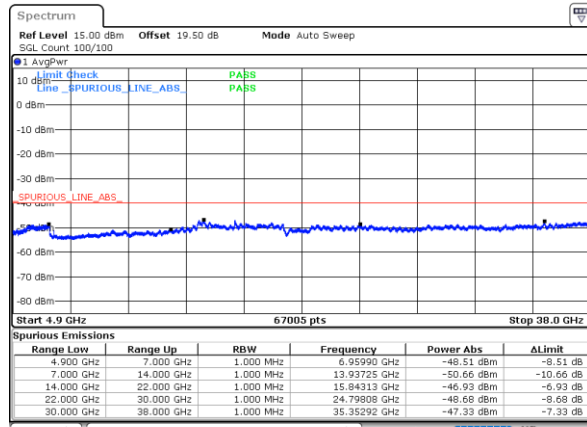


Date: 15.AUG.2024 00:13:124

Middle Channel / QPSK

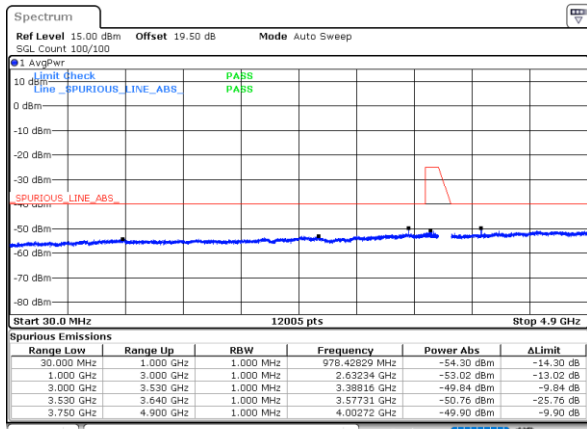


Date: 8.AUG.2024 11:37:133

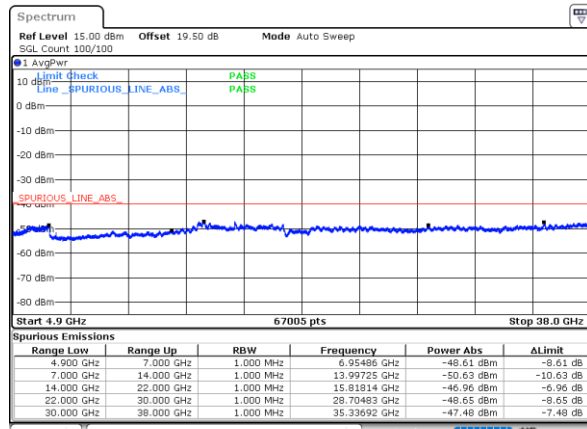


Date: 15.AUG.2024 00:13:240

Highest Channel / QPSK



Date: 8.AUG.2024 13:137:134

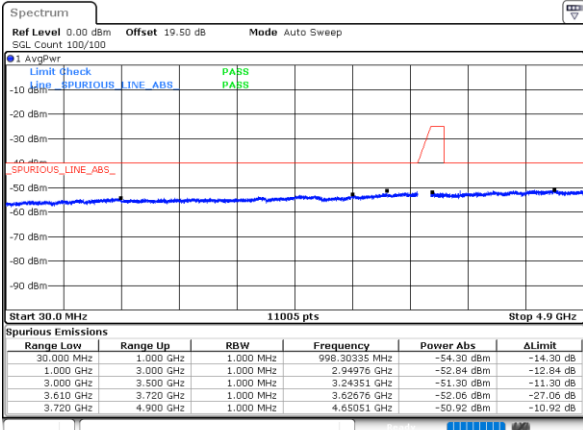


Date: 15.AUG.2024 00:13:155

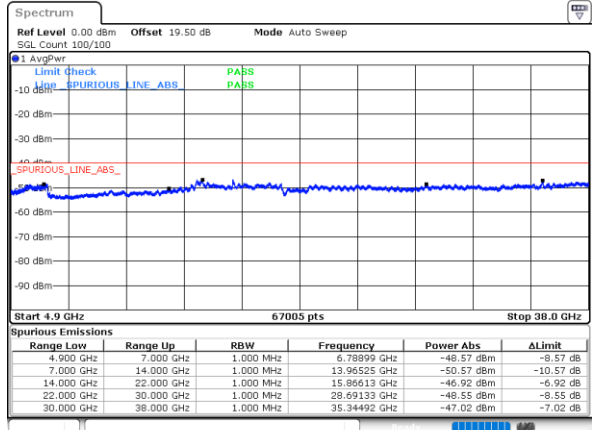


LTE Band 48 / 10MHz

Lowest Channel / QPSK

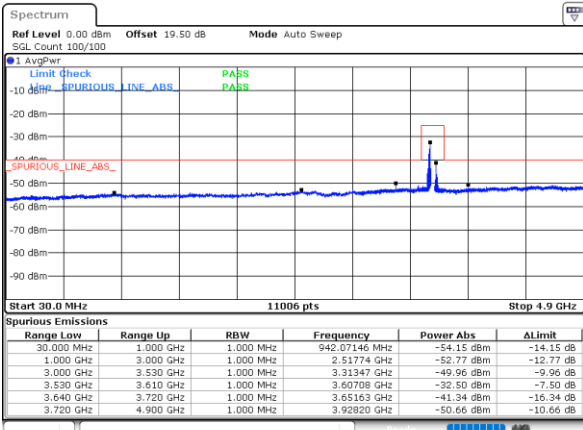


Date: 14.AUG.2024 00:41:03

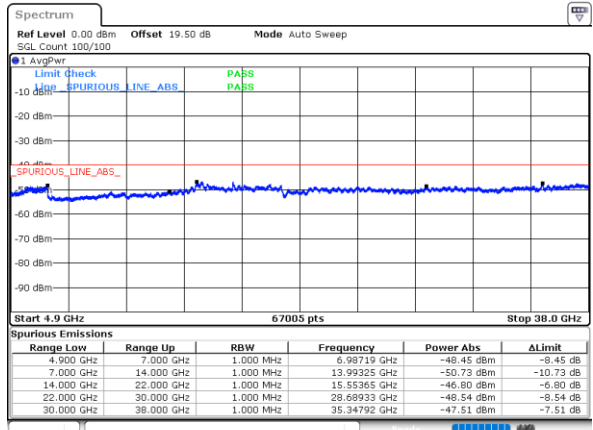


Date: 15.AUG.2024 00:13:53

Middle Channel / QPSK

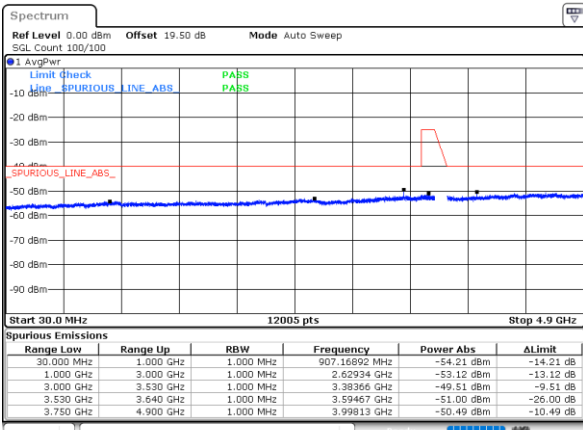


Date: 15.AUG.2024 00:26:45

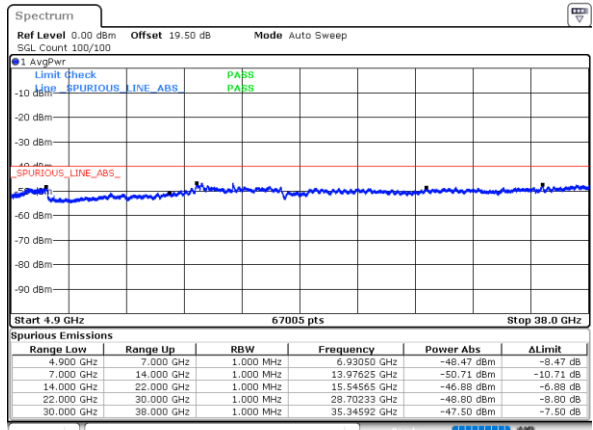


Date: 15.AUG.2024 00:13:08

Highest Channel / QPSK



Date: 15.AUG.2024 00:25:06

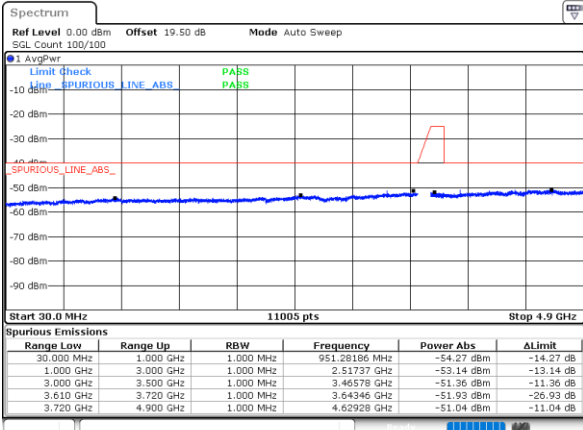


Date: 15.AUG.2024 00:13:23

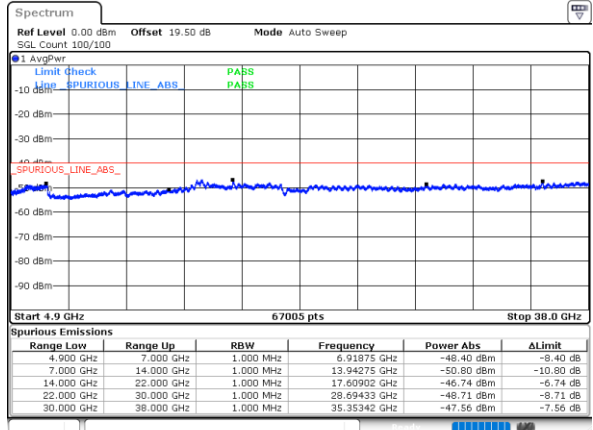


LTE Band 48 / 15MHz

Lowest Channel / QPSK

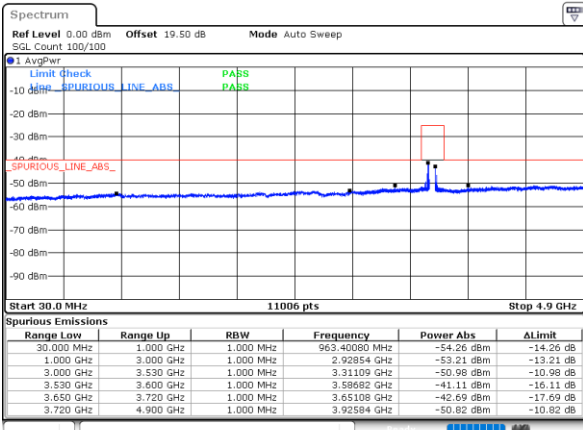


Date: 14.AUG.2024 21:13:12

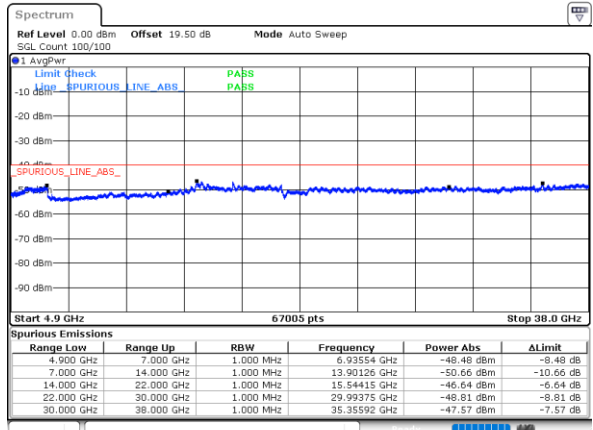


Date: 15.AUG.2024 00:40:22

Middle Channel / QPSK

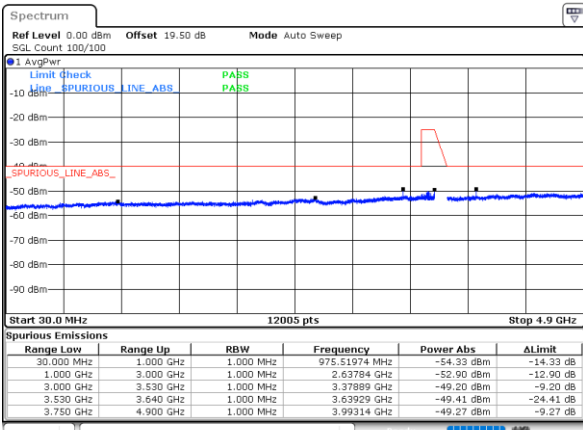


Date: 14.AUG.2024 22:00:02

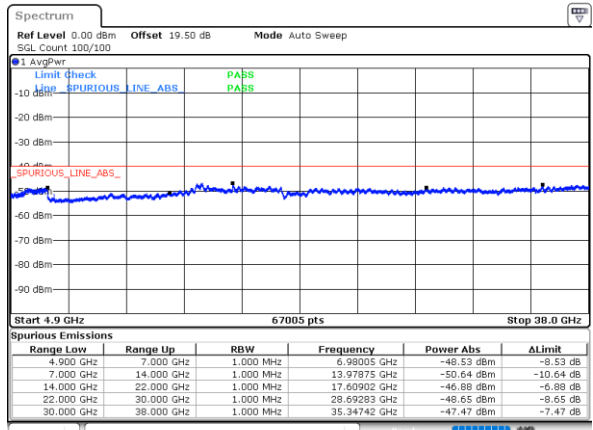


Date: 15.AUG.2024 00:41:37

Highest Channel / QPSK



Date: 14.AUG.2024 22:24:44

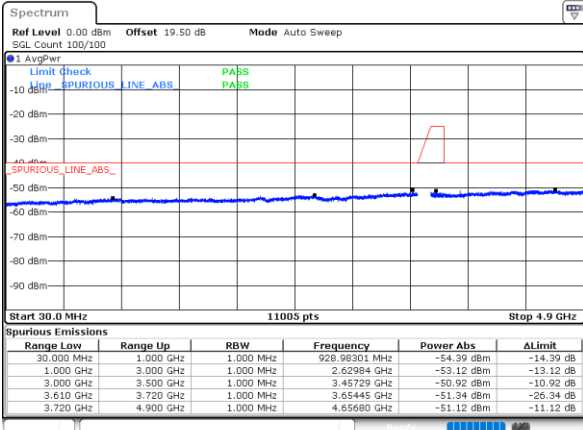


Date: 15.AUG.2024 00:42:52

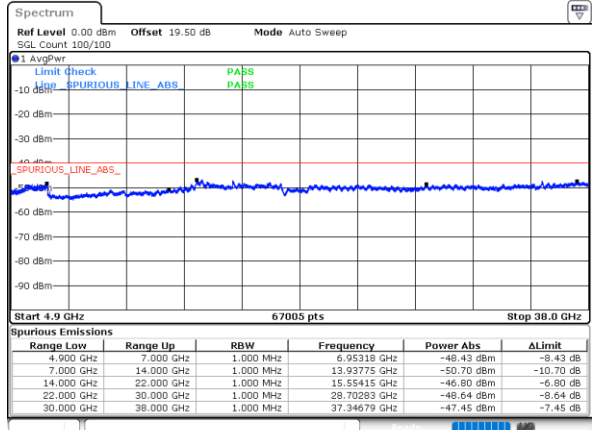


LTE Band 48 / 20MHz

Lowest Channel / QPSK

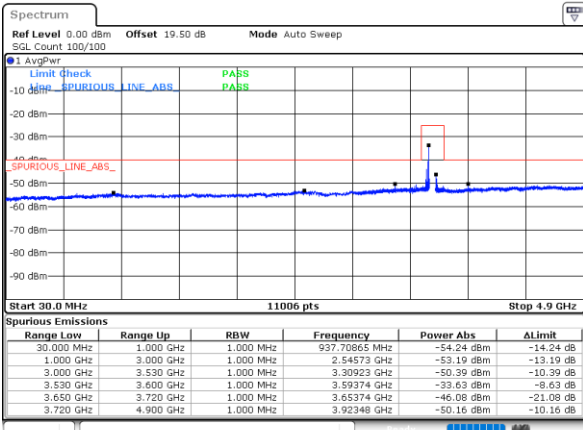


Date: 14.AUG.2024 22:49:57

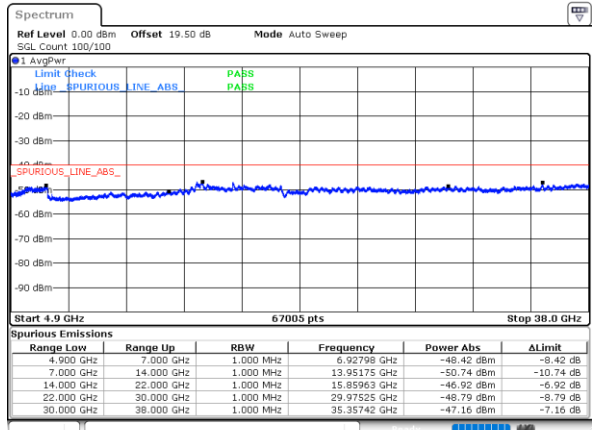


Date: 15.AUG.2024 00:44:51

Middle Channel / QPSK

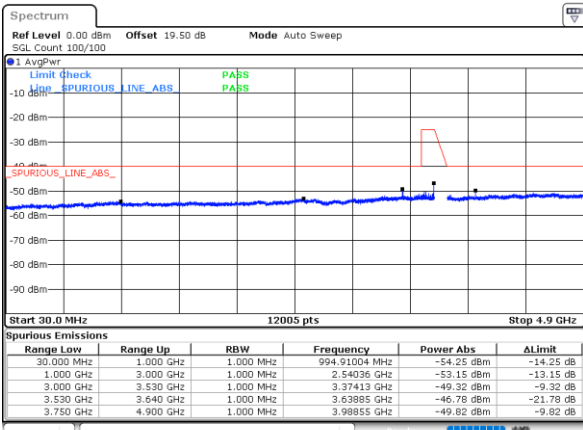


Date: 14.AUG.2024 23:15:32

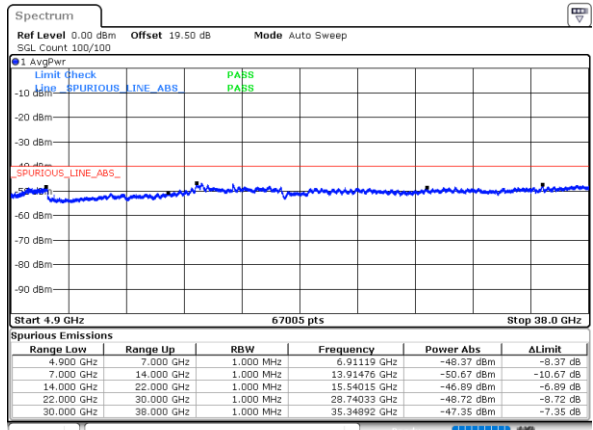


Date: 15.AUG.2024 00:46:06

Highest Channel / QPSK



Date: 14.AUG.2024 23:41:19



Date: 15.AUG.2024 00:47:21



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	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

- 1. Normal Voltage = 8.0 V. ; Battery End Point (ACLRP) = 7.2 V. ; Maximum Voltage = 9 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.

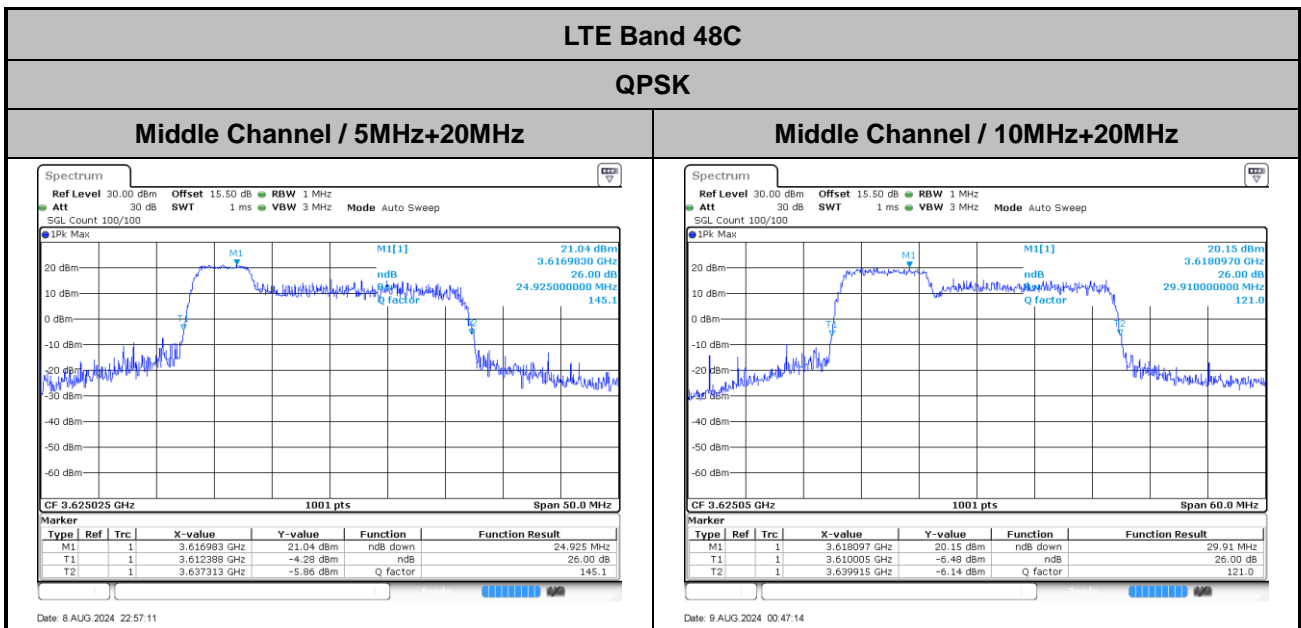


LTE Band 48C

26dB Bandwidth

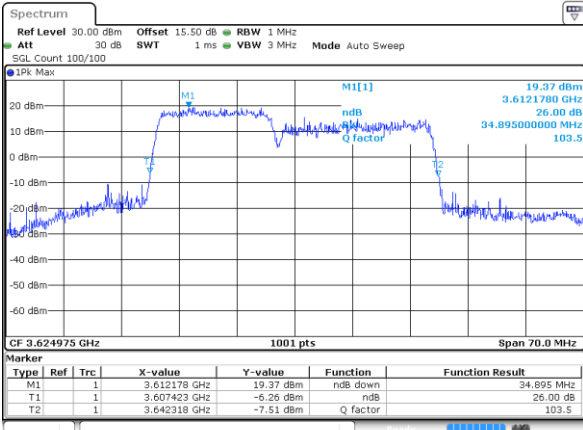
Mode	LTE Band 48C : 26dB BW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.93	29.91	34.90	25.28
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.15	35.04	39.88	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.98	29.73	34.90	25.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.90	39.80	-



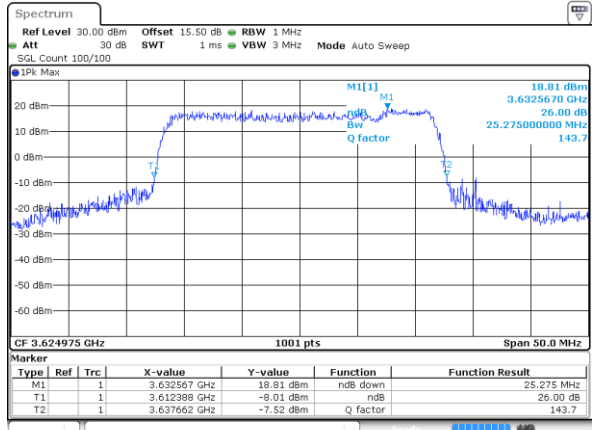


Middle Channel / 15MHz+20MHz



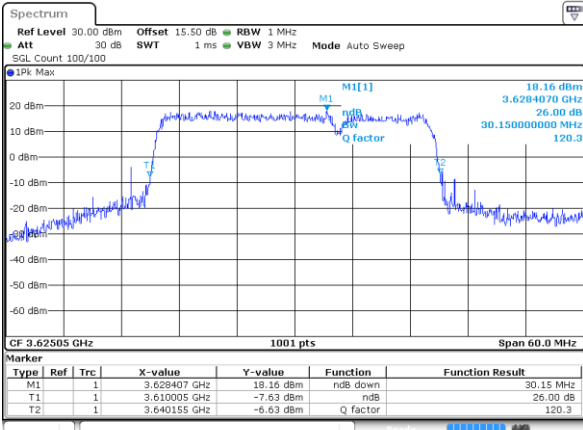
Date: 9 AUG 2024 02:23:05

Middle Channel / 20MHz+5MHz



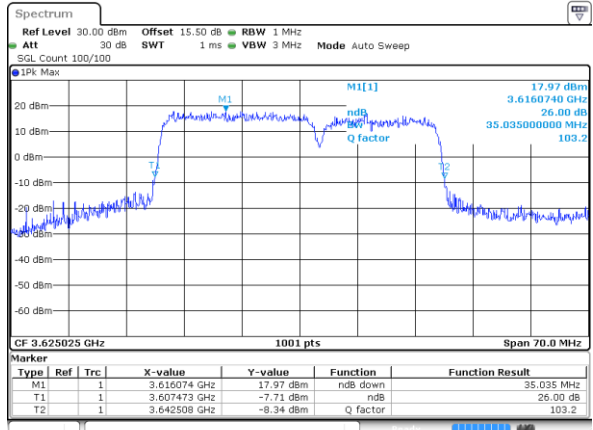
Date: 8 AUG 2024 23:57:32

Middle Channel / 20MHz+10MHz



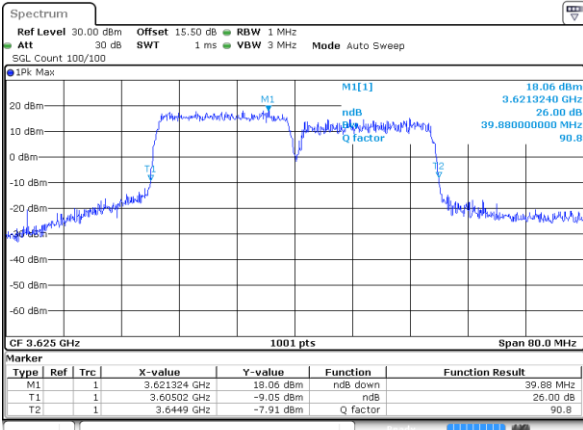
Date: 9 AUG 2024 01:40:20

Middle Channel / 20MHz+15MHz



Date: 9 AUG 2024 03:08:30

Middle Channel / 20MHz+20MHz



Date: 9 AUG 2024 03:51:16

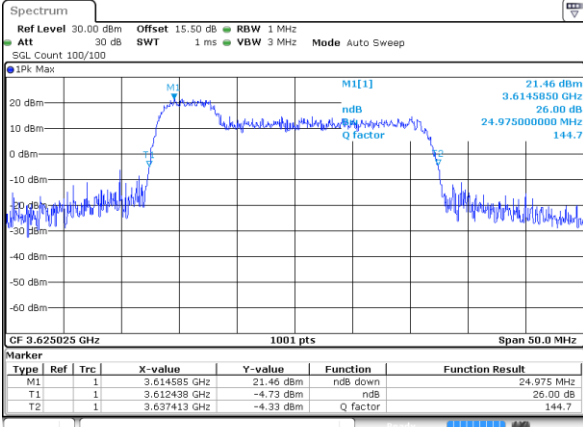
N/A



LTE Band 48C

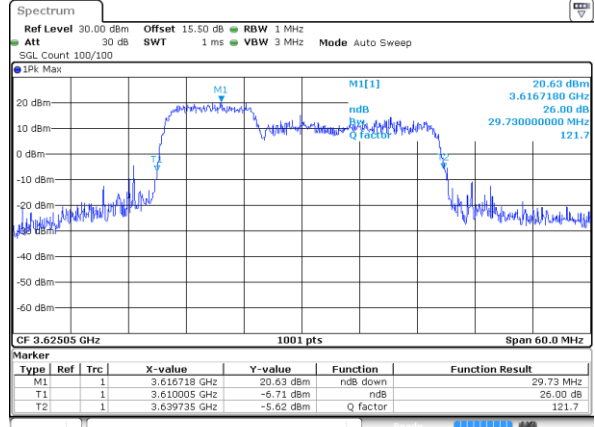
16QAM

Middle Channel / 5MHz+20MHz



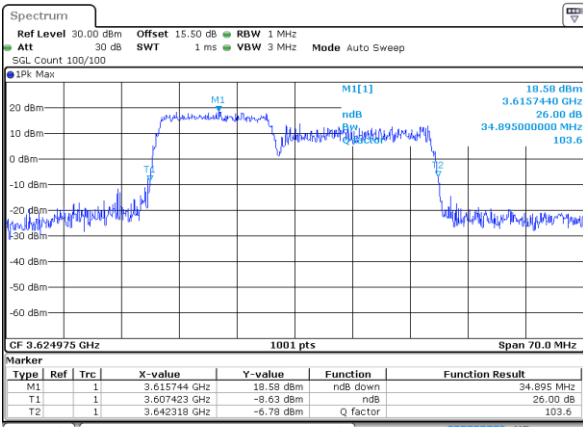
Date: 8 AUG 2024 22:57:41

Middle Channel / 10MHz+20MHz



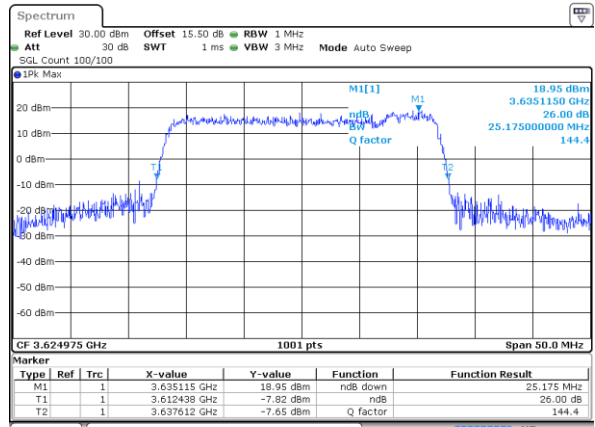
Date: 9 AUG 2024 00:47:44

Middle Channel / 15MHz+20MHz



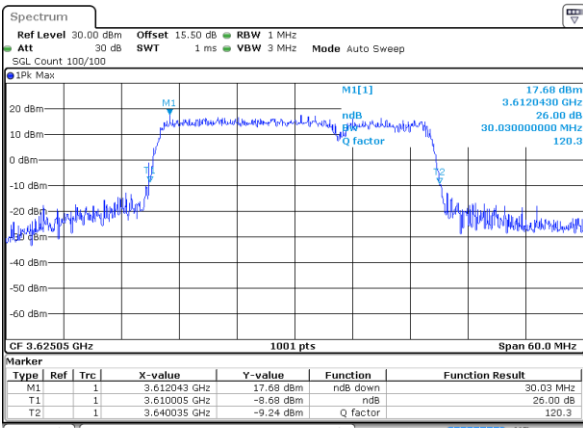
Date: 9 AUG 2024 02:23:35

Middle Channel / 20MHz+5MHz



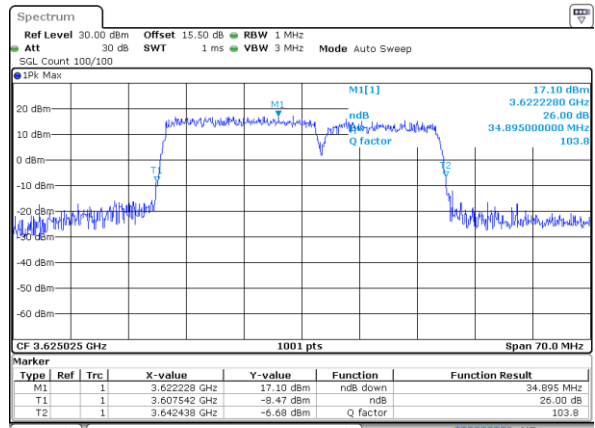
Date: 8 AUG 2024 23:58:03

Middle Channel / 20MHz+10MHz



Date: 9 AUG 2024 01:40:50

Middle Channel / 20MHz+15MHz



Date: 9 AUG 2024 03:09:00

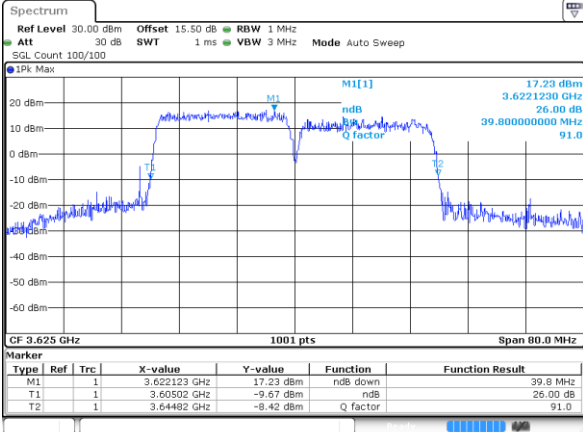


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



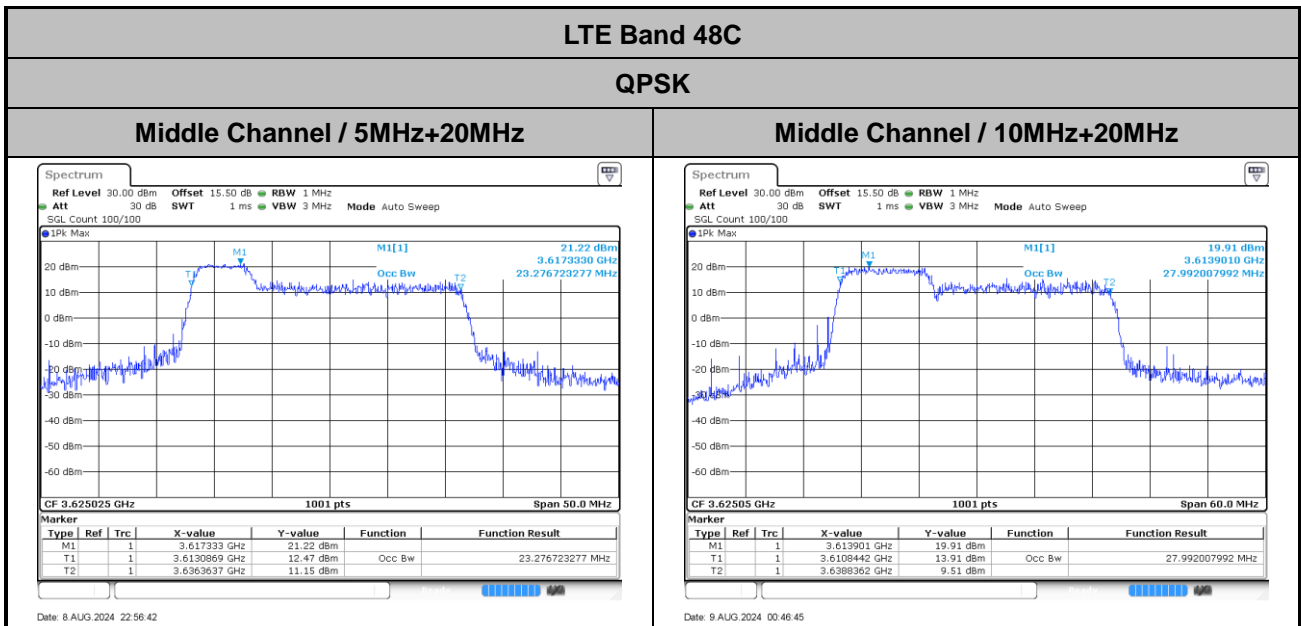
Date: 9 AUG 2024 03:51:44



Occupied Bandwidth

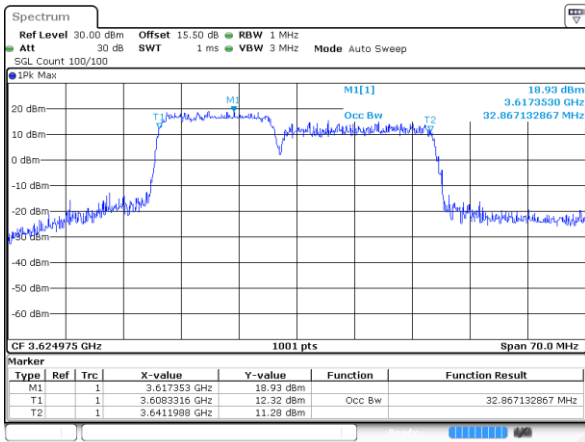
Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.28	27.99	32.87	23.33
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	32.80	37.72	-

Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.28	27.93	32.87	23.33
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.80	37.72	-



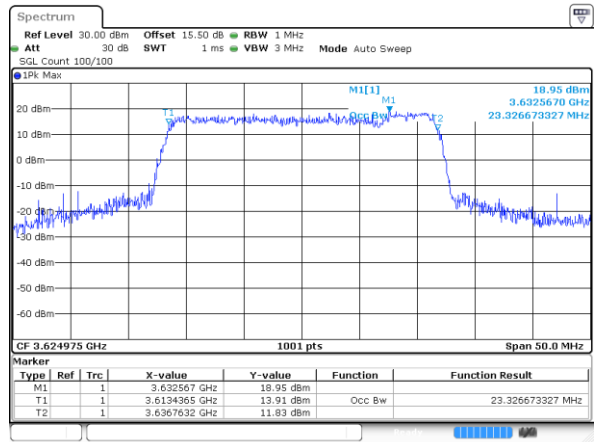


Middle Channel / 15MHz+20MHz



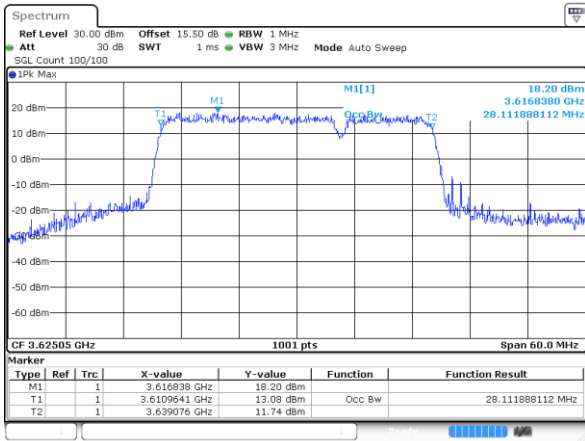
Date: 9 AUG 2024 02:22:36

Middle Channel / 20MHz+5MHz



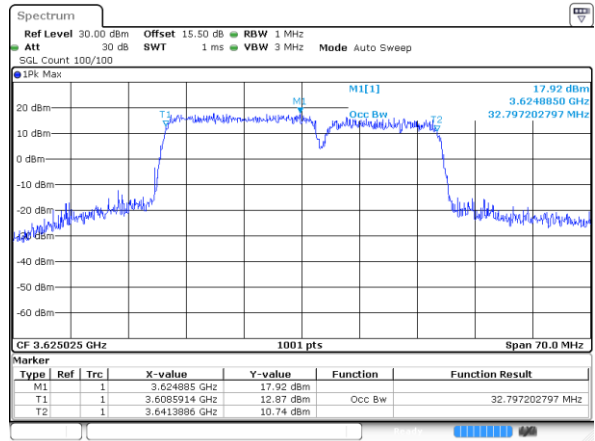
Date: 8 AUG 2024 23:57:03

Middle Channel / 20MHz+10MHz



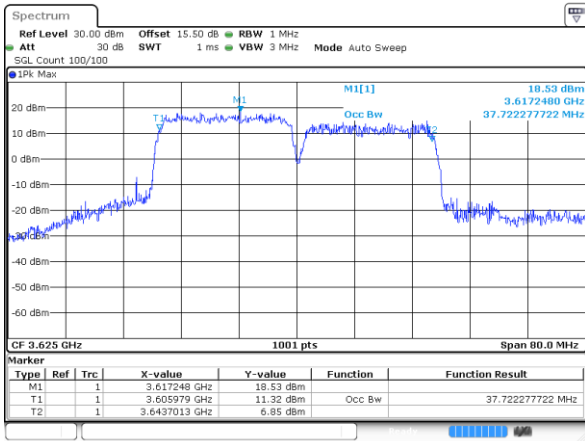
Date: 9 AUG 2024 01:39:51

Middle Channel / 20MHz+15MHz



Date: 9 AUG 2024 03:08:01

Middle Channel / 20MHz+20MHz



Date: 9 AUG 2024 03:50:49

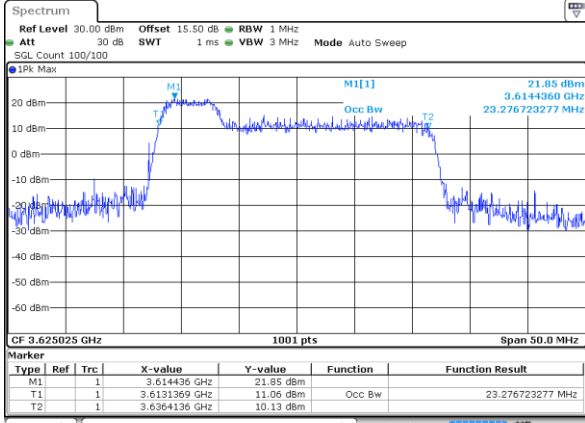
N/A



LTE Band 48C

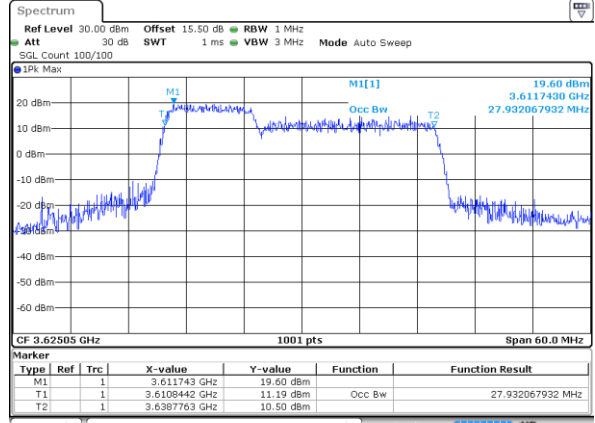
16QAM

Middle Channel / 5MHz+20MHz



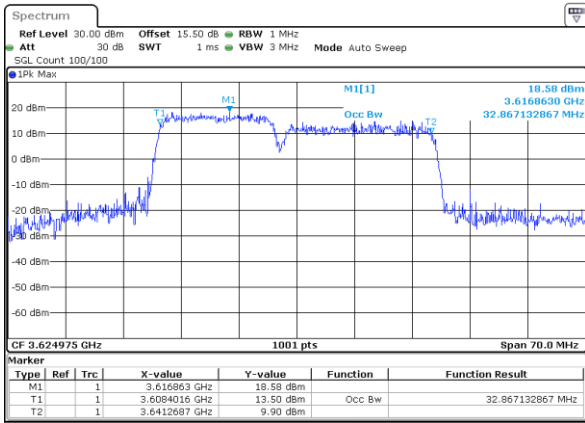
Date: 8 AUG 2024 22:58:11

Middle Channel / 10MHz+20MHz



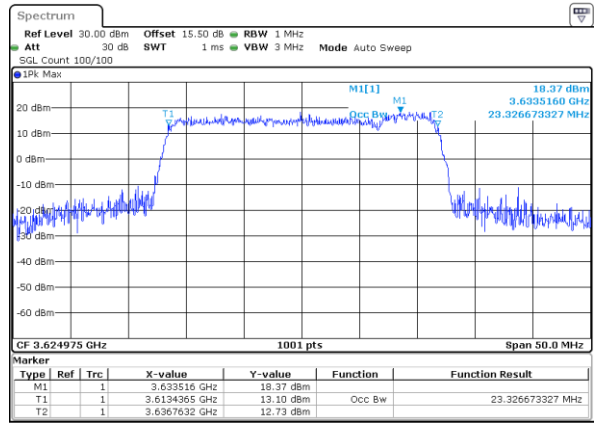
Date: 9 AUG 2024 00:48:13

Middle Channel / 15MHz+20MHz



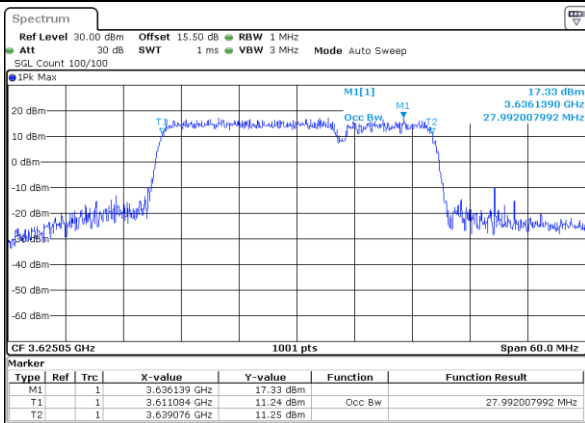
Date: 9 AUG 2024 02:24:04

Middle Channel / 20MHz+5MHz



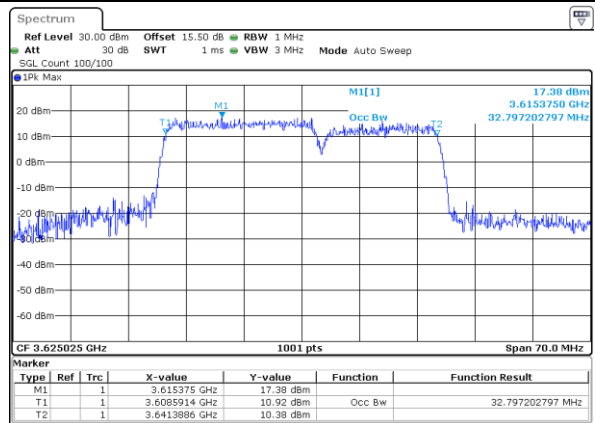
Date: 8 AUG 2024 23:58:32

Middle Channel / 20MHz+10MHz



Date: 9 AUG 2024 01:41:20

Middle Channel / 20MHz+15MHz



Date: 9 AUG 2024 03:09:30

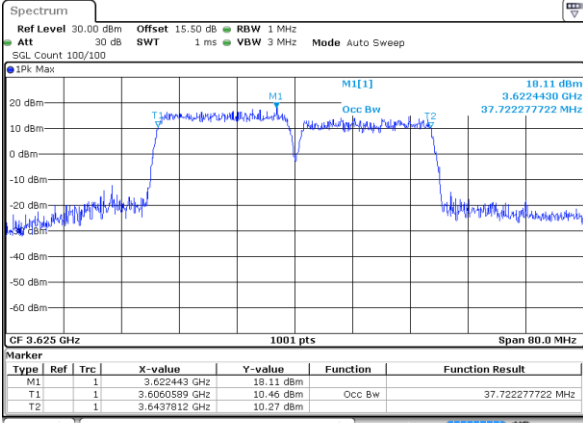


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

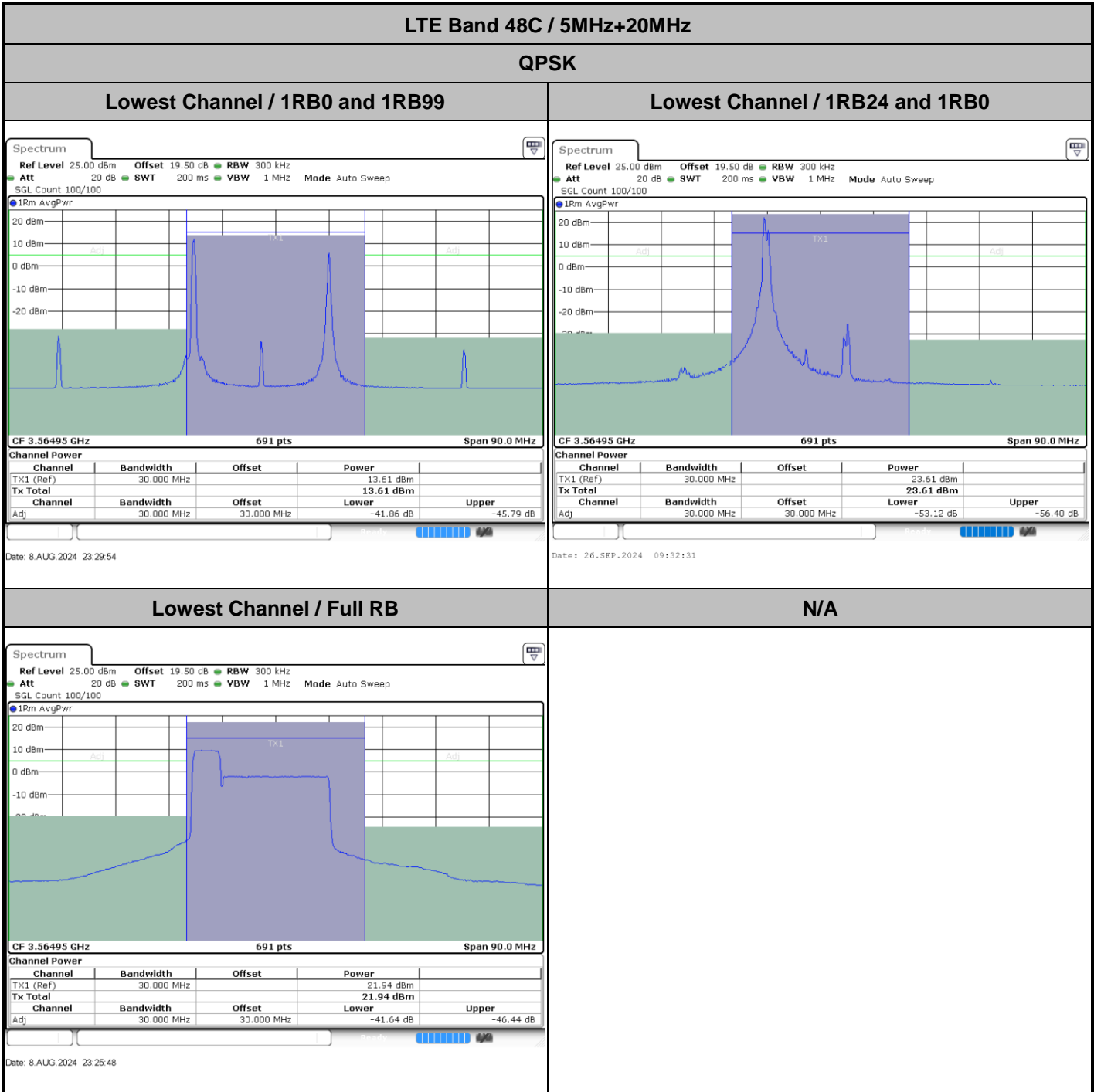
N/A



Date: 9 AUG 2024 03:52:12



ACLR



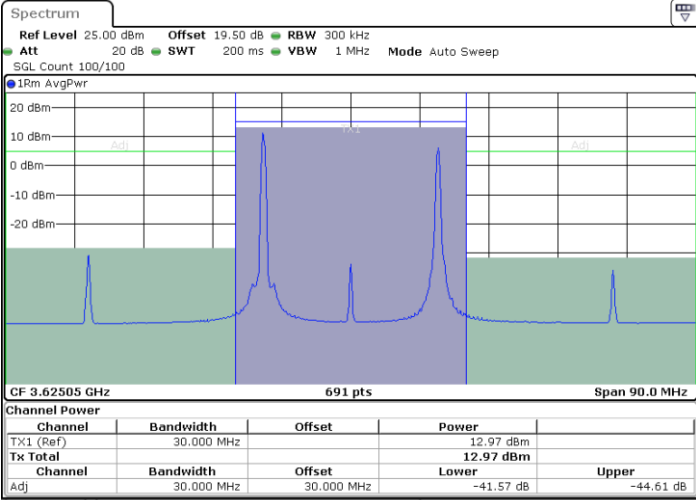


LTE Band 48C / 5MHz+20MHz

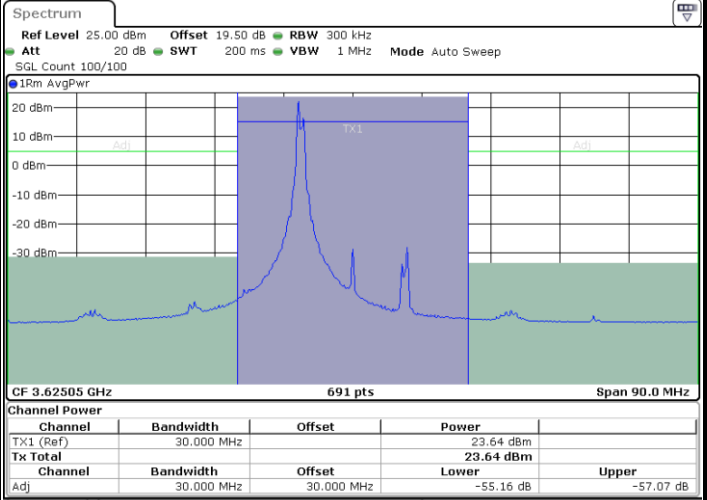
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



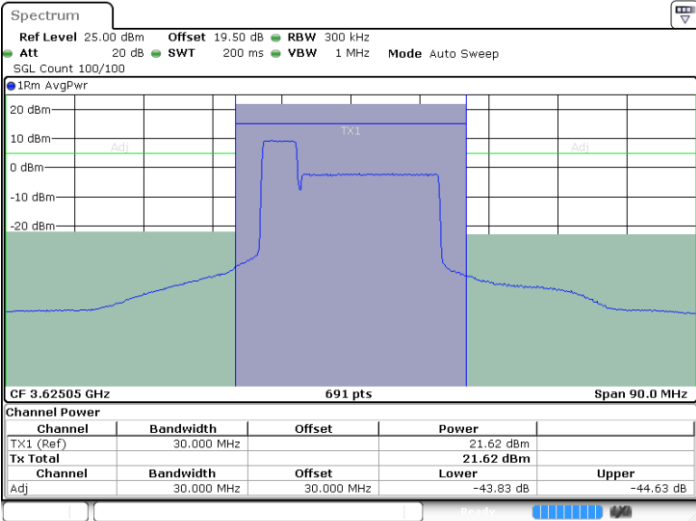
Date: 8 AUG 2024 23:05:09



Date: 8 AUG 2024 23:05:59

Middle Channel / Full RB

N/A



Date: 8 AUG 2024 23:01:03

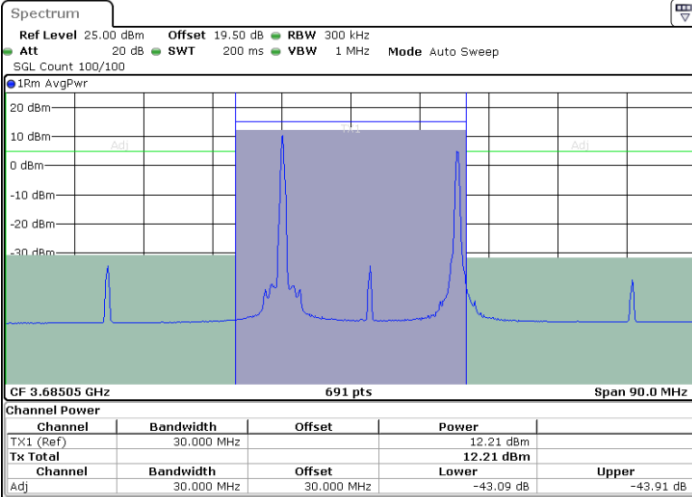


LTE Band 48C / 5MHz+20MHz

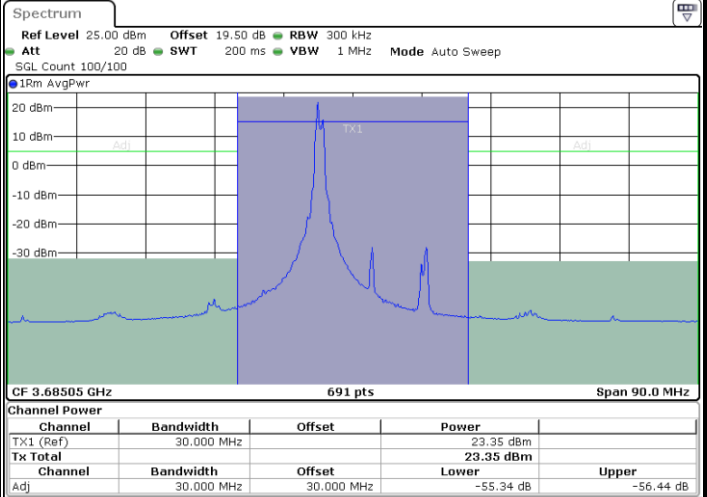
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



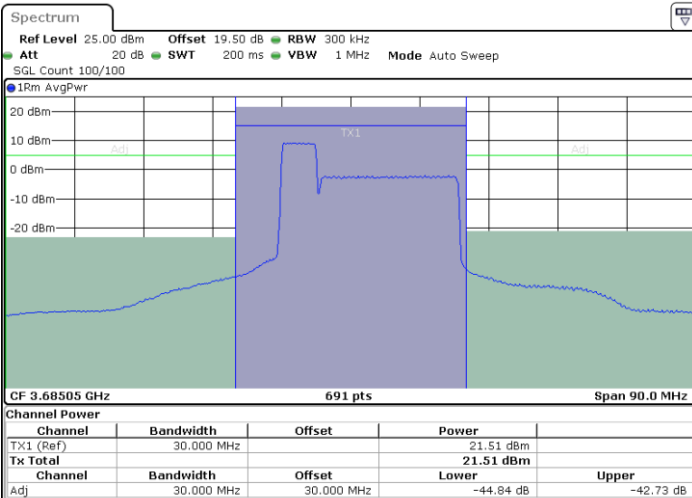
Date: 8 AUG 2024 23:51:22



Date: 8 AUG 2024 23:52:11

Highest Channel / Full RB

N/A



Date: 8 AUG 2024 23:47:15

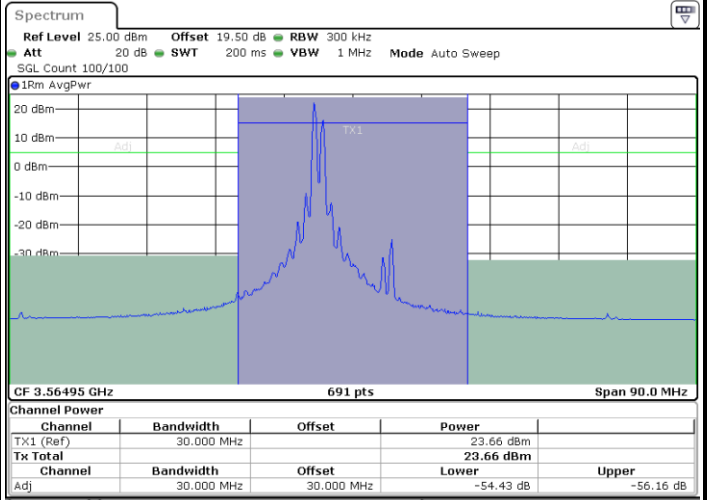
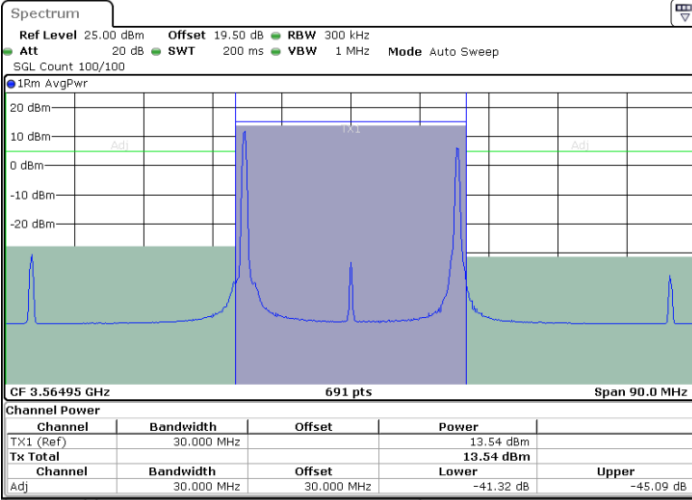


LTE Band 48C / 10MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0

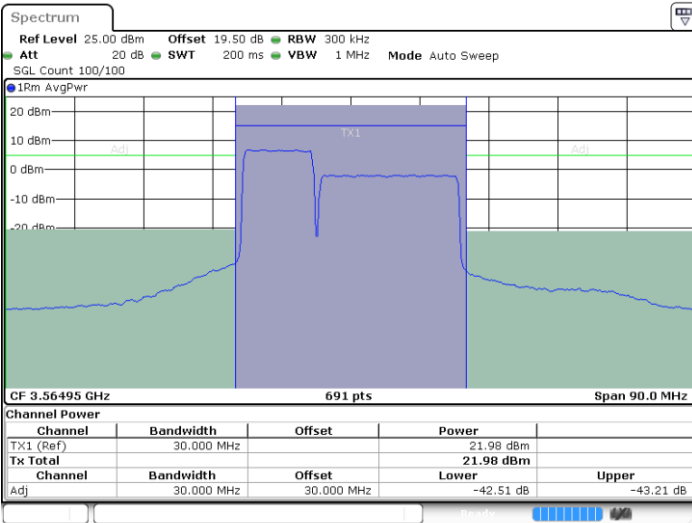


Date: 9 AUG.2024 01:15:08

Date: 26.SEP.2024 09:27:50

Lowest Channel / Full RB

N/A



Date: 9 AUG.2024 01:11:02