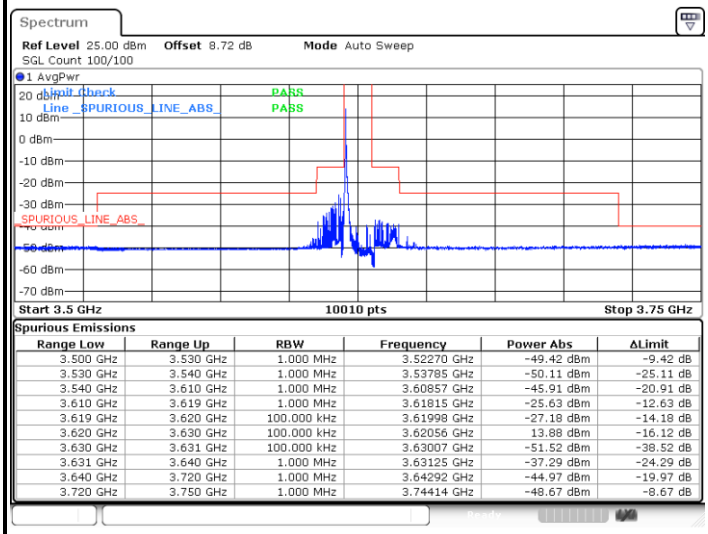
LTE Band 48 / 10MHz

256QAM

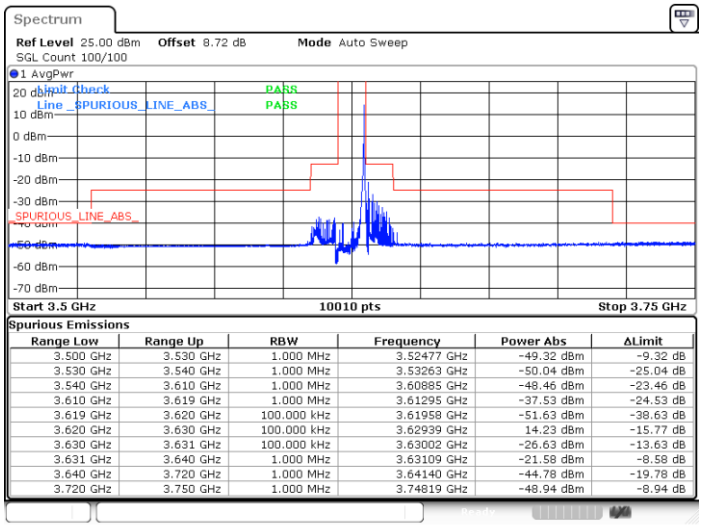
MiddleChannel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52270 GHz	-49.42 dBm	-9.42 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53785 GHz	-50.11 dBm	-25.11 dB
3.540 GHz	3.610 GHz	1.000 MHz	3.60857 GHz	-45.91 dBm	-20.91 dB
3.610 GHz	3.619 GHz	1.000 MHz	3.61815 GHz	-25.63 dBm	-12.63 dB
3.619 GHz	3.620 GHz	100.000 kHz	3.61998 GHz	-27.18 dBm	-14.18 dB
3.620 GHz	3.630 GHz	100.000 kHz	3.62056 GHz	13.88 dBm	-16.12 dB
3.630 GHz	3.631 GHz	100.000 kHz	3.63007 GHz	-51.52 dBm	-38.52 dB
3.631 GHz	3.640 GHz	1.000 MHz	3.63125 GHz	-37.29 dBm	-24.29 dB
3.640 GHz	3.720 GHz	1.000 MHz	3.64292 GHz	-44.97 dBm	-19.97 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74414 GHz	-48.67 dBm	-8.67 dB

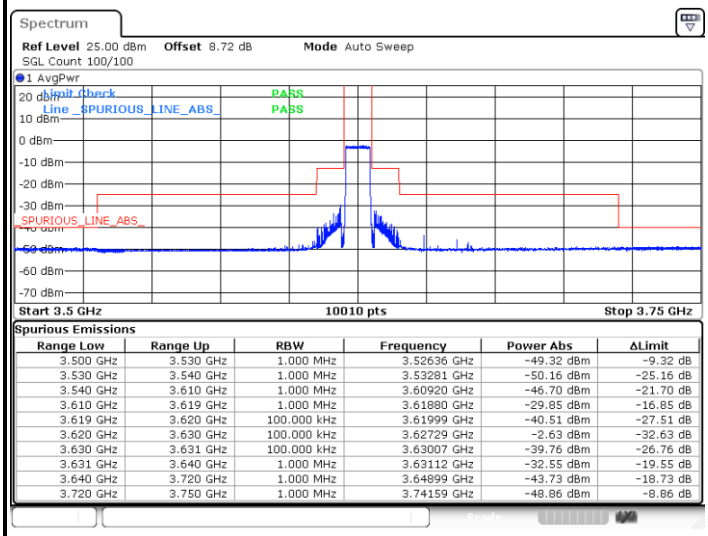
Middle Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52477 GHz	-49.32 dBm	-9.32 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53263 GHz	-50.04 dBm	-25.04 dB
3.540 GHz	3.610 GHz	1.000 MHz	3.60885 GHz	-48.46 dBm	-23.46 dB
3.610 GHz	3.619 GHz	1.000 MHz	3.61295 GHz	-37.53 dBm	-24.53 dB
3.619 GHz	3.620 GHz	100.000 kHz	3.61958 GHz	-51.63 dBm	-38.63 dB
3.620 GHz	3.630 GHz	100.000 kHz	3.62939 GHz	14.23 dBm	-15.77 dB
3.630 GHz	3.631 GHz	100.000 kHz	3.63002 GHz	-26.63 dBm	-13.63 dB
3.631 GHz	3.640 GHz	1.000 MHz	3.63109 GHz	-21.58 dBm	-8.58 dB
3.640 GHz	3.720 GHz	1.000 MHz	3.64140 GHz	-44.78 dBm	-19.78 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74819 GHz	-48.94 dBm	-8.94 dB

Middle Channel / FullRB



Spurious Emissions

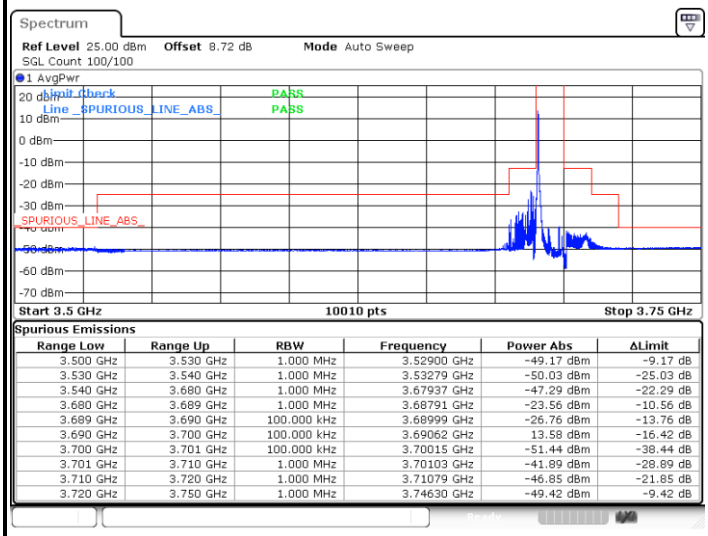
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52636 GHz	-49.32 dBm	-9.32 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53281 GHz	-50.16 dBm	-25.16 dB
3.540 GHz	3.610 GHz	1.000 MHz	3.60920 GHz	-46.70 dBm	-21.70 dB
3.610 GHz	3.619 GHz	1.000 MHz	3.61880 GHz	-29.85 dBm	-16.85 dB
3.619 GHz	3.620 GHz	100.000 kHz	3.61999 GHz	-40.51 dBm	-27.51 dB
3.620 GHz	3.630 GHz	100.000 kHz	3.62729 GHz	-2.63 dBm	-32.63 dB
3.630 GHz	3.631 GHz	100.000 kHz	3.63007 GHz	-39.76 dBm	-26.76 dB
3.631 GHz	3.640 GHz	1.000 MHz	3.63112 GHz	-32.55 dBm	-19.55 dB
3.640 GHz	3.720 GHz	1.000 MHz	3.64899 GHz	-43.73 dBm	-18.73 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74159 GHz	-48.86 dBm	-8.86 dB

N/A

LTE Band 48 / 10MHz

256QAM

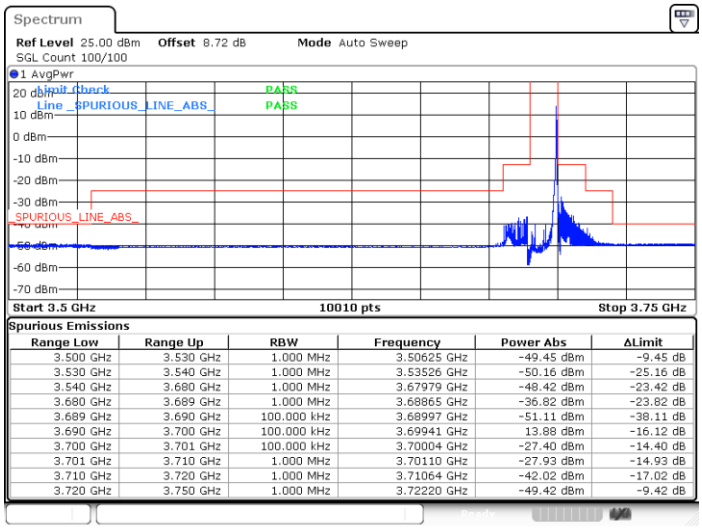
Highest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52900 GHz	-49.17 dBm	-9.17 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53279 GHz	-50.03 dBm	-25.03 dB
3.540 GHz	3.680 GHz	1.000 MHz	3.67937 GHz	-47.29 dBm	-22.29 dB
3.680 GHz	3.689 GHz	1.000 MHz	3.68791 GHz	-23.56 dBm	-10.56 dB
3.689 GHz	3.690 GHz	100.000 kHz	3.68999 GHz	-26.76 dBm	-13.76 dB
3.690 GHz	3.700 GHz	100.000 kHz	3.69062 GHz	13.58 dBm	-16.42 dB
3.700 GHz	3.701 GHz	100.000 kHz	3.70015 GHz	-51.44 dBm	-38.44 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70103 GHz	-41.89 dBm	-28.89 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71079 GHz	-46.85 dBm	-21.85 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74630 GHz	-49.42 dBm	-9.42 dB

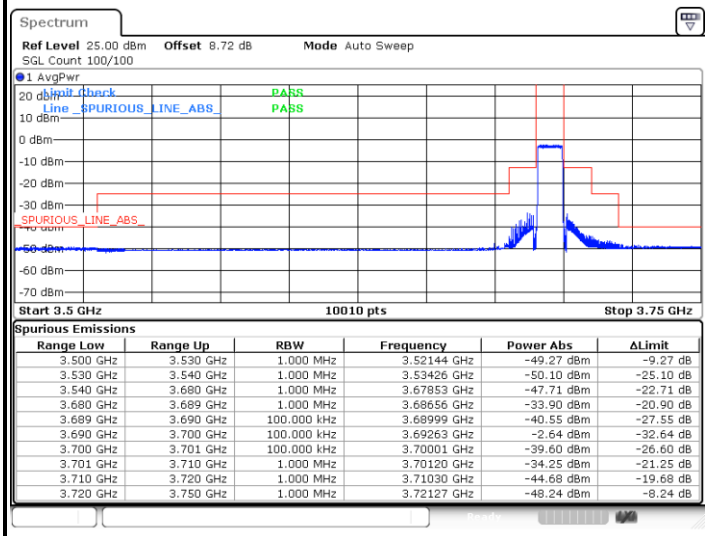
Highest Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50625 GHz	-49.45 dBm	-9.45 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53526 GHz	-50.16 dBm	-25.16 dB
3.540 GHz	3.680 GHz	1.000 MHz	3.67979 GHz	-48.42 dBm	-23.42 dB
3.680 GHz	3.689 GHz	1.000 MHz	3.68865 GHz	-36.82 dBm	-23.82 dB
3.689 GHz	3.690 GHz	100.000 kHz	3.68997 GHz	-51.11 dBm	-38.11 dB
3.690 GHz	3.700 GHz	100.000 kHz	3.69941 GHz	13.88 dBm	-16.12 dB
3.700 GHz	3.701 GHz	100.000 kHz	3.70004 GHz	-27.40 dBm	-14.40 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70110 GHz	-27.93 dBm	-14.93 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71064 GHz	-42.02 dBm	-17.02 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72220 GHz	-49.42 dBm	-9.42 dB

Highest Channel / FullRB



Spurious Emissions

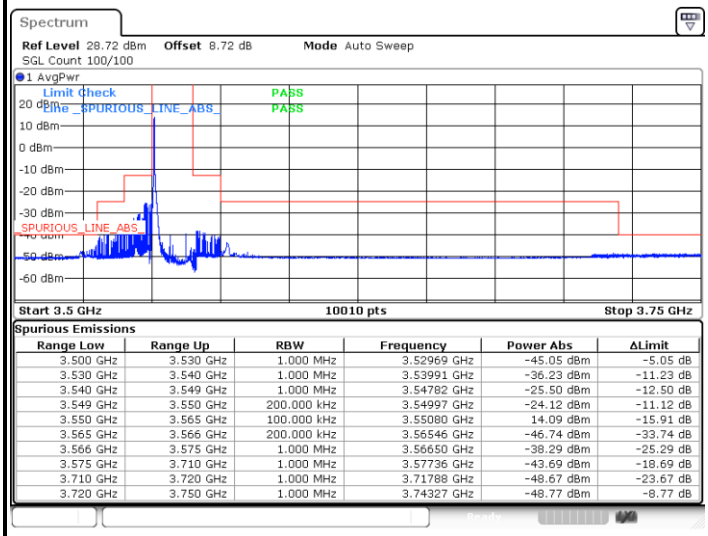
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52144 GHz	-49.27 dBm	-9.27 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53426 GHz	-50.10 dBm	-25.10 dB
3.540 GHz	3.680 GHz	1.000 MHz	3.67853 GHz	-47.71 dBm	-22.71 dB
3.680 GHz	3.689 GHz	1.000 MHz	3.68656 GHz	-33.90 dBm	-20.90 dB
3.689 GHz	3.690 GHz	100.000 kHz	3.68999 GHz	-40.55 dBm	-27.55 dB
3.690 GHz	3.700 GHz	100.000 kHz	3.69263 GHz	-2.64 dBm	-32.64 dB
3.700 GHz	3.701 GHz	100.000 kHz	3.70001 GHz	-39.60 dBm	-26.60 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70120 GHz	-34.25 dBm	-21.25 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71030 GHz	-44.68 dBm	-19.68 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72127 GHz	-48.24 dBm	-8.24 dB

N/A

LTE Band 48 / 15MHz

256QAM

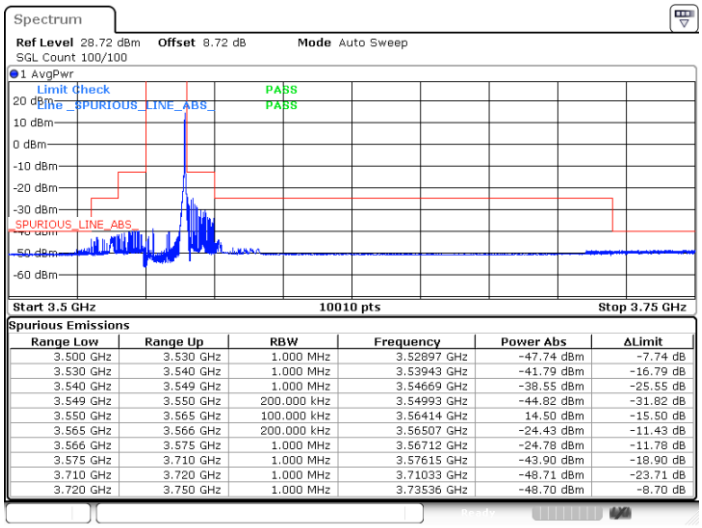
Lowest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52969 GHz	-45.05 dBm	-5.05 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53991 GHz	-36.23 dBm	-11.23 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54782 GHz	-25.50 dBm	-12.50 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54997 GHz	-24.12 dBm	-11.12 dB
3.550 GHz	3.565 GHz	100.000 kHz	3.55080 GHz	14.09 dBm	-15.91 dB
3.565 GHz	3.566 GHz	200.000 kHz	3.56546 GHz	-46.74 dBm	-33.74 dB
3.566 GHz	3.575 GHz	1.000 MHz	3.56650 GHz	-38.29 dBm	-25.29 dB
3.575 GHz	3.710 GHz	1.000 MHz	3.57736 GHz	-43.69 dBm	-18.69 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71788 GHz	-48.67 dBm	-23.67 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74327 GHz	-48.77 dBm	-8.77 dB

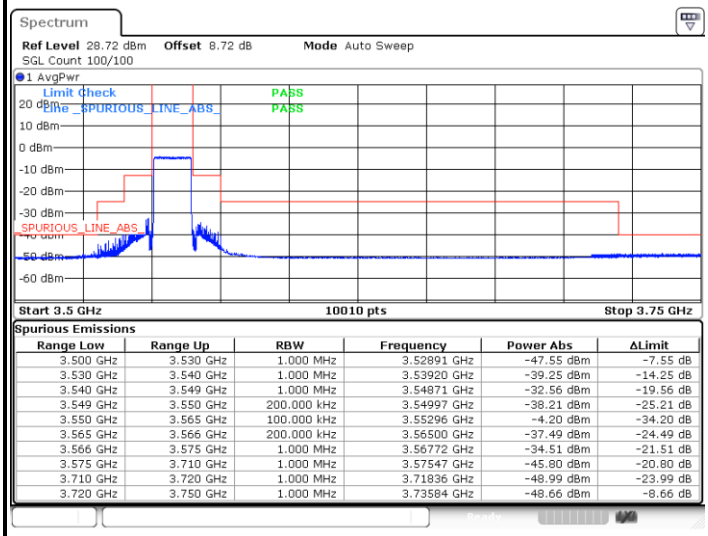
Lowest Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52897 GHz	-47.74 dBm	-7.74 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53943 GHz	-41.79 dBm	-16.79 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54669 GHz	-38.55 dBm	-25.55 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54993 GHz	-44.82 dBm	-31.82 dB
3.550 GHz	3.565 GHz	100.000 kHz	3.56414 GHz	14.50 dBm	-15.50 dB
3.565 GHz	3.566 GHz	200.000 kHz	3.56507 GHz	-24.43 dBm	-11.43 dB
3.566 GHz	3.575 GHz	1.000 MHz	3.56712 GHz	-24.78 dBm	-11.78 dB
3.575 GHz	3.710 GHz	1.000 MHz	3.57615 GHz	-43.90 dBm	-18.90 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71033 GHz	-48.71 dBm	-23.71 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73536 GHz	-48.70 dBm	-8.70 dB

Lowest Channel / FullRB



Spurious Emissions

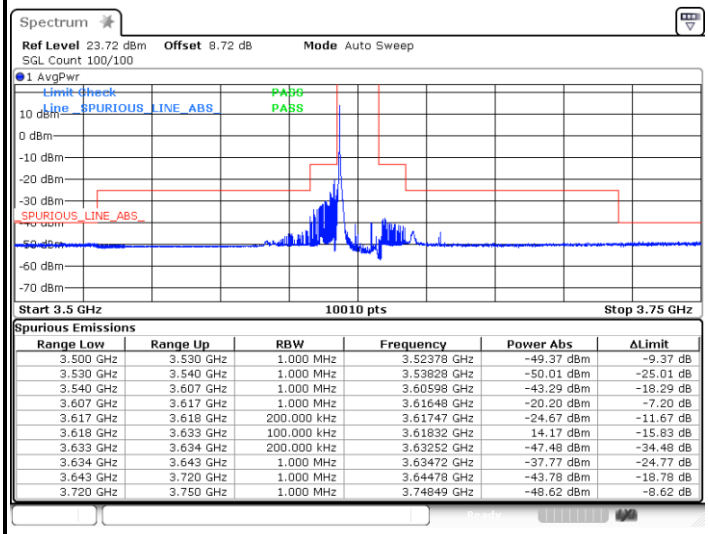
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52891 GHz	-47.55 dBm	-7.55 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53920 GHz	-39.25 dBm	-14.25 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54871 GHz	-32.56 dBm	-19.56 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54997 GHz	-38.21 dBm	-25.21 dB
3.550 GHz	3.565 GHz	100.000 kHz	3.55296 GHz	-4.20 dBm	-34.20 dB
3.565 GHz	3.566 GHz	200.000 kHz	3.56500 GHz	-37.49 dBm	-24.49 dB
3.566 GHz	3.575 GHz	1.000 MHz	3.56772 GHz	-34.51 dBm	-21.51 dB
3.575 GHz	3.710 GHz	1.000 MHz	3.57547 GHz	-45.80 dBm	-20.80 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71836 GHz	-48.99 dBm	-23.99 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73584 GHz	-48.66 dBm	-8.66 dB

N/A

LTE Band 48 / 15MHz

256QAM

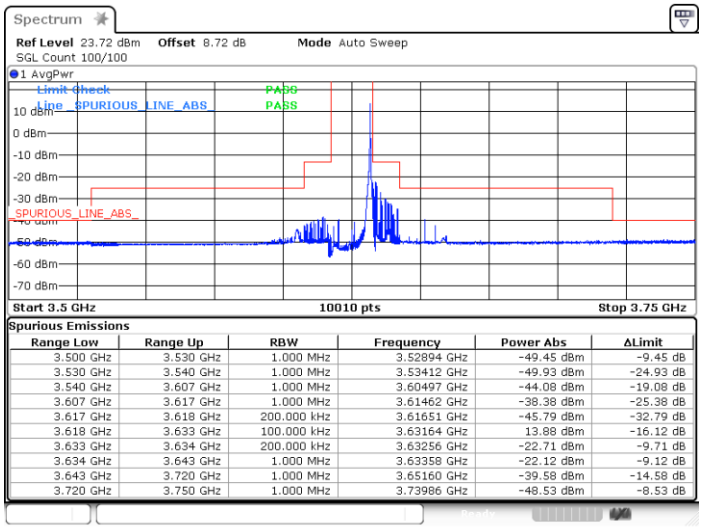
Middle Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52378 GHz	-49.37 dBm	-9.37 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53828 GHz	-50.01 dBm	-25.01 dB
3.540 GHz	3.607 GHz	1.000 MHz	3.60598 GHz	-43.29 dBm	-18.29 dB
3.607 GHz	3.617 GHz	1.000 MHz	3.61648 GHz	-20.20 dBm	-7.20 dB
3.617 GHz	3.618 GHz	200.000 kHz	3.61747 GHz	-24.67 dBm	-11.67 dB
3.618 GHz	3.633 GHz	100.000 kHz	3.61832 GHz	14.17 dBm	-15.83 dB
3.633 GHz	3.634 GHz	200.000 kHz	3.63252 GHz	-47.48 dBm	-34.48 dB
3.634 GHz	3.643 GHz	1.000 MHz	3.63472 GHz	-37.77 dBm	-24.77 dB
3.643 GHz	3.720 GHz	1.000 MHz	3.64478 GHz	-43.78 dBm	-18.78 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74849 GHz	-48.62 dBm	-8.62 dB

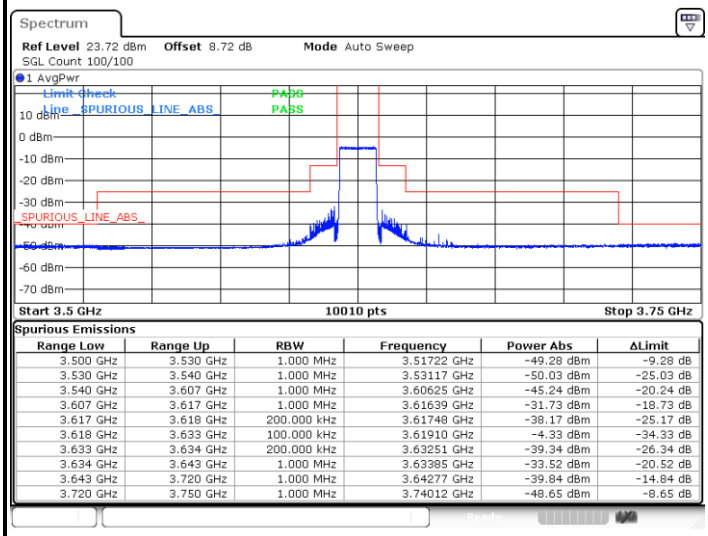
Middle Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52894 GHz	-49.45 dBm	-9.45 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53412 GHz	-49.93 dBm	-24.93 dB
3.540 GHz	3.607 GHz	1.000 MHz	3.60497 GHz	-44.08 dBm	-19.08 dB
3.607 GHz	3.617 GHz	1.000 MHz	3.61462 GHz	-38.38 dBm	-25.38 dB
3.617 GHz	3.618 GHz	200.000 kHz	3.61651 GHz	-45.79 dBm	-32.79 dB
3.618 GHz	3.633 GHz	100.000 kHz	3.63164 GHz	13.88 dBm	-16.12 dB
3.633 GHz	3.634 GHz	200.000 kHz	3.63256 GHz	-22.71 dBm	-9.71 dB
3.634 GHz	3.643 GHz	1.000 MHz	3.63358 GHz	-22.12 dBm	-9.12 dB
3.643 GHz	3.720 GHz	1.000 MHz	3.65160 GHz	-39.58 dBm	-14.58 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.73986 GHz	-48.53 dBm	-8.53 dB

Middle Channel / FullRB



Spurious Emissions

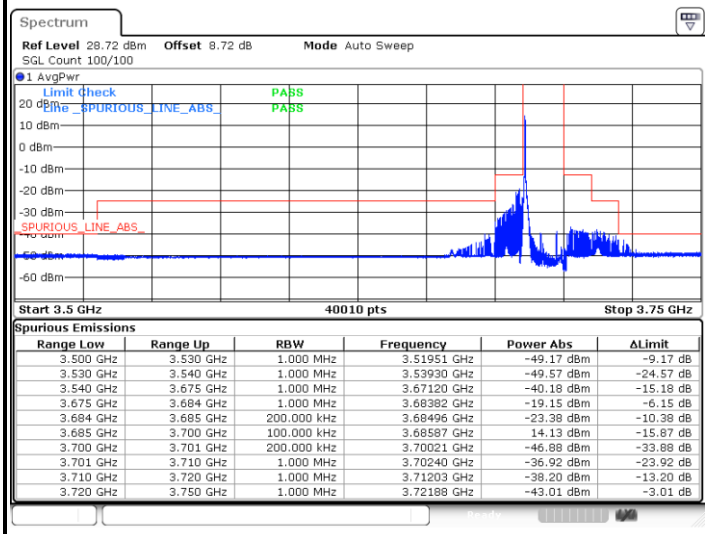
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51722 GHz	-49.28 dBm	-9.28 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53117 GHz	-50.03 dBm	-25.03 dB
3.540 GHz	3.607 GHz	1.000 MHz	3.60625 GHz	-45.24 dBm	-20.24 dB
3.607 GHz	3.617 GHz	1.000 MHz	3.61639 GHz	-31.73 dBm	-18.73 dB
3.617 GHz	3.618 GHz	200.000 kHz	3.61748 GHz	-38.17 dBm	-25.17 dB
3.618 GHz	3.633 GHz	100.000 kHz	3.61910 GHz	-4.33 dBm	-34.33 dB
3.633 GHz	3.634 GHz	200.000 kHz	3.63251 GHz	-39.34 dBm	-26.34 dB
3.634 GHz	3.643 GHz	1.000 MHz	3.63385 GHz	-33.52 dBm	-20.52 dB
3.643 GHz	3.720 GHz	1.000 MHz	3.64277 GHz	-39.84 dBm	-14.84 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74012 GHz	-48.65 dBm	-8.65 dB

N/A

LTE Band 48 / 15MHz

256QAM

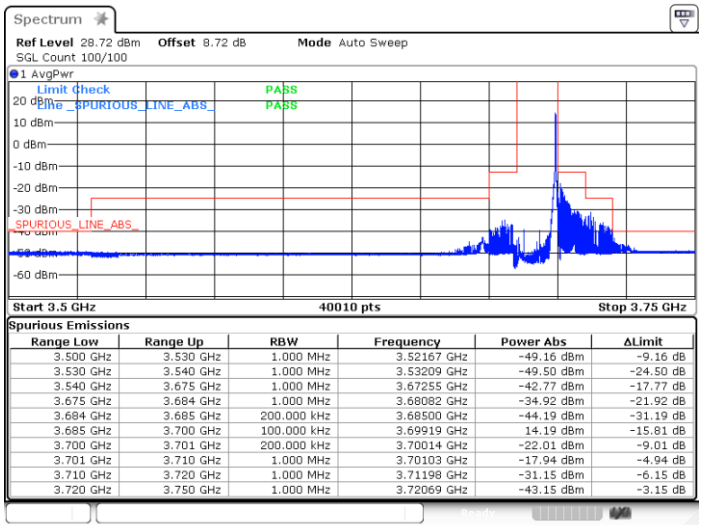
Highest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51951 GHz	-49.17 dBm	-9.17 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53930 GHz	-49.57 dBm	-24.57 dB
3.540 GHz	3.675 GHz	1.000 MHz	3.67120 GHz	-40.18 dBm	-15.18 dB
3.675 GHz	3.684 GHz	1.000 MHz	3.68382 GHz	-19.15 dBm	-6.15 dB
3.684 GHz	3.685 GHz	200.000 kHz	3.68496 GHz	-23.38 dBm	-10.38 dB
3.685 GHz	3.700 GHz	100.000 kHz	3.68587 GHz	14.13 dBm	-15.87 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70021 GHz	-46.88 dBm	-33.88 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70240 GHz	-36.92 dBm	-23.92 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71203 GHz	-38.20 dBm	-13.20 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72188 GHz	-43.01 dBm	-3.01 dB

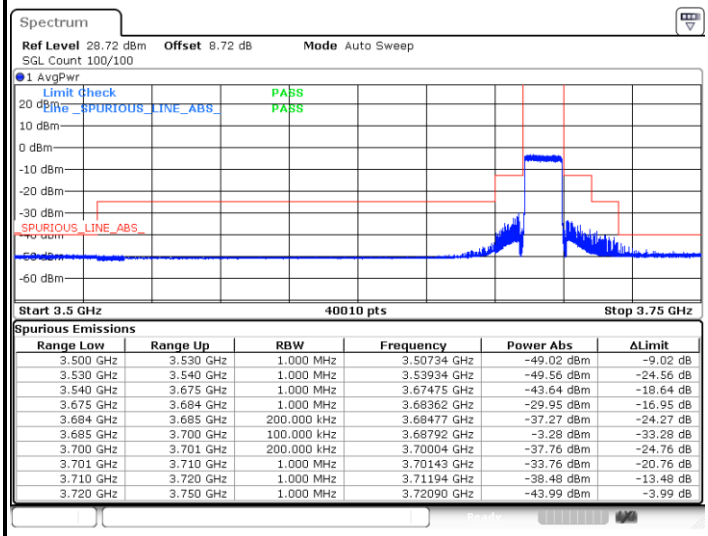
Highest Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52167 GHz	-49.16 dBm	-9.16 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53209 GHz	-49.50 dBm	-24.50 dB
3.540 GHz	3.675 GHz	1.000 MHz	3.67255 GHz	-42.77 dBm	-17.77 dB
3.675 GHz	3.684 GHz	1.000 MHz	3.68082 GHz	-34.92 dBm	-21.92 dB
3.684 GHz	3.685 GHz	200.000 kHz	3.68500 GHz	-44.19 dBm	-31.19 dB
3.685 GHz	3.700 GHz	100.000 kHz	3.69919 GHz	14.19 dBm	-15.81 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70014 GHz	-22.01 dBm	-9.01 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70103 GHz	-17.94 dBm	-4.94 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71198 GHz	-31.15 dBm	-6.15 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72069 GHz	-43.15 dBm	-3.15 dB

Highest Channel / FullRB



Spurious Emissions

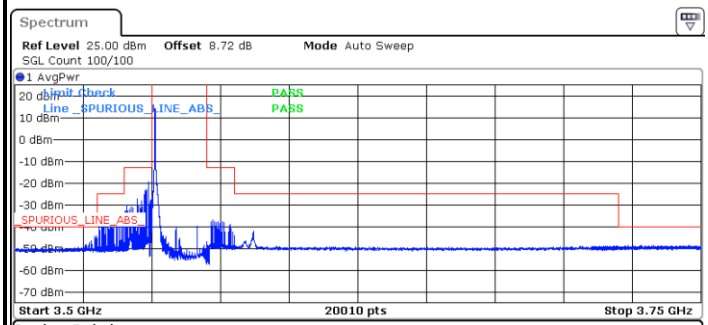
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50734 GHz	-49.02 dBm	-9.02 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53934 GHz	-49.56 dBm	-24.56 dB
3.540 GHz	3.675 GHz	1.000 MHz	3.67475 GHz	-43.64 dBm	-18.64 dB
3.675 GHz	3.684 GHz	1.000 MHz	3.68362 GHz	-29.95 dBm	-16.95 dB
3.684 GHz	3.685 GHz	200.000 kHz	3.68477 GHz	-37.27 dBm	-24.27 dB
3.685 GHz	3.700 GHz	100.000 kHz	3.68792 GHz	-3.28 dBm	-33.28 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70004 GHz	-37.76 dBm	-24.76 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70143 GHz	-33.76 dBm	-20.76 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71194 GHz	-38.48 dBm	-13.48 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72090 GHz	-43.99 dBm	-3.99 dB

N/A

LTE Band 48 / 20MHz

256QAM

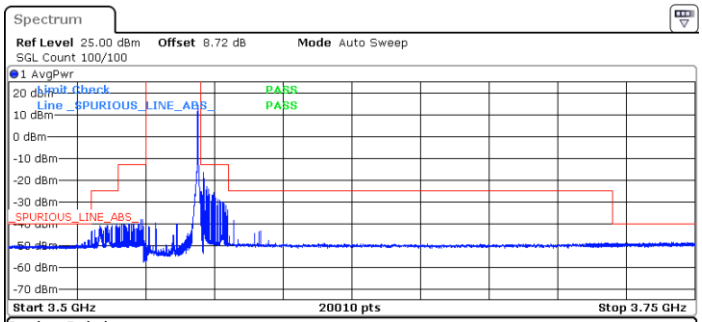
Lowest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52971 GHz	-44.34 dBm	-4.34 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53950 GHz	-33.66 dBm	-8.66 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54889 GHz	-19.50 dBm	-6.50 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54992 GHz	-26.27 dBm	-13.27 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55107 GHz	14.21 dBm	-15.79 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57002 GHz	-46.94 dBm	-33.94 dB
3.571 GHz	3.580 GHz	1.000 MHz	3.57229 GHz	-37.03 dBm	-24.03 dB
3.580 GHz	3.710 GHz	1.000 MHz	3.58692 GHz	-42.30 dBm	-17.30 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71678 GHz	-48.95 dBm	-23.95 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74570 GHz	-48.58 dBm	-8.58 dB

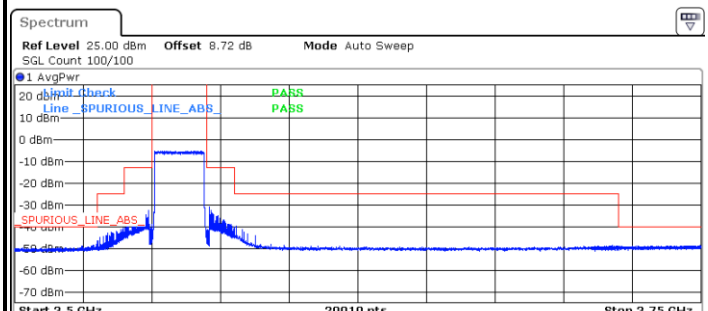
Lowest Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52908 GHz	-47.53 dBm	-7.53 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53923 GHz	-39.38 dBm	-14.38 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54721 GHz	-37.92 dBm	-24.92 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54949 GHz	-47.92 dBm	-34.92 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56894 GHz	14.04 dBm	-15.96 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57002 GHz	-25.31 dBm	-12.31 dB
3.571 GHz	3.580 GHz	1.000 MHz	3.57100 GHz	-16.42 dBm	-3.42 dB
3.580 GHz	3.710 GHz	1.000 MHz	3.58205 GHz	-38.61 dBm	-13.61 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71804 GHz	-48.92 dBm	-23.92 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74716 GHz	-48.62 dBm	-8.62 dB

Lowest Channel / FullRB



Spurious Emissions

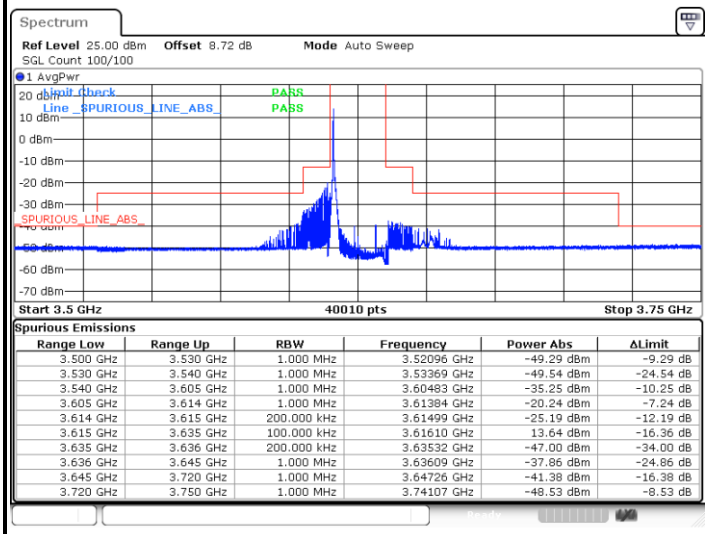
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52981 GHz	-48.22 dBm	-8.22 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53960 GHz	-40.60 dBm	-15.60 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54876 GHz	-32.68 dBm	-19.68 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54998 GHz	-38.97 dBm	-25.97 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55216 GHz	-5.22 dBm	-35.22 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57037 GHz	-41.37 dBm	-28.37 dB
3.571 GHz	3.580 GHz	1.000 MHz	3.57103 GHz	-31.06 dBm	-18.06 dB
3.580 GHz	3.710 GHz	1.000 MHz	3.58081 GHz	-39.62 dBm	-14.62 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71767 GHz	-48.69 dBm	-23.69 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74966 GHz	-48.68 dBm	-8.68 dB

N/A

LTE Band 48 / 20MHz

256QAM

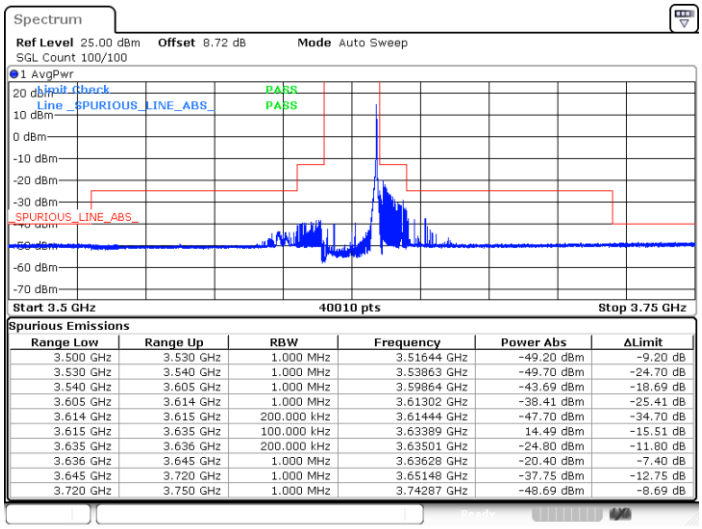
Middle Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52096 GHz	-49.29 dBm	-9.29 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53369 GHz	-49.54 dBm	-24.54 dB
3.540 GHz	3.605 GHz	1.000 MHz	3.60483 GHz	-35.25 dBm	-10.25 dB
3.605 GHz	3.614 GHz	1.000 MHz	3.61384 GHz	-20.24 dBm	-7.24 dB
3.614 GHz	3.615 GHz	200.000 kHz	3.61499 GHz	-25.19 dBm	-12.19 dB
3.615 GHz	3.635 GHz	100.000 kHz	3.61610 GHz	13.64 dBm	-16.36 dB
3.635 GHz	3.636 GHz	200.000 kHz	3.63532 GHz	-47.00 dBm	-34.00 dB
3.636 GHz	3.645 GHz	1.000 MHz	3.63609 GHz	-37.86 dBm	-24.86 dB
3.645 GHz	3.720 GHz	1.000 MHz	3.64726 GHz	-41.38 dBm	-16.38 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74107 GHz	-48.53 dBm	-8.53 dB

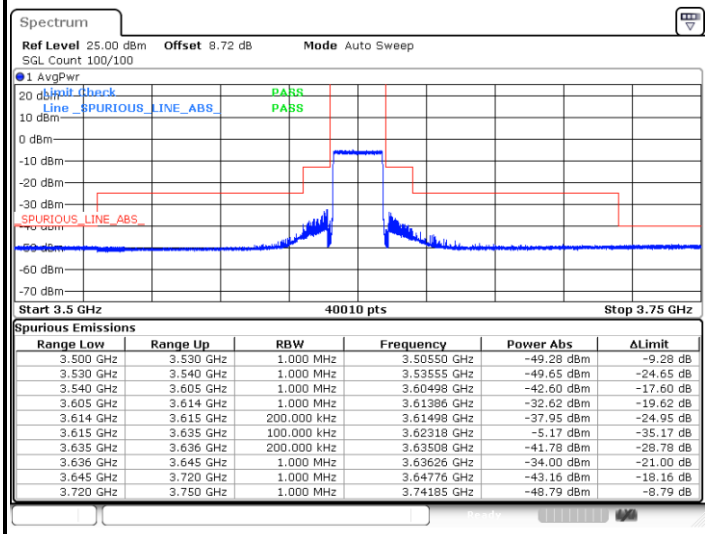
Middle Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51644 GHz	-49.20 dBm	-9.20 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53863 GHz	-49.70 dBm	-24.70 dB
3.540 GHz	3.605 GHz	1.000 MHz	3.59864 GHz	-43.69 dBm	-18.69 dB
3.605 GHz	3.614 GHz	1.000 MHz	3.61302 GHz	-38.41 dBm	-25.41 dB
3.614 GHz	3.615 GHz	200.000 kHz	3.61444 GHz	-47.70 dBm	-34.70 dB
3.615 GHz	3.635 GHz	100.000 kHz	3.63389 GHz	14.49 dBm	-15.51 dB
3.635 GHz	3.636 GHz	200.000 kHz	3.63501 GHz	-24.80 dBm	-11.80 dB
3.636 GHz	3.645 GHz	1.000 MHz	3.63628 GHz	-20.40 dBm	-7.40 dB
3.645 GHz	3.720 GHz	1.000 MHz	3.65148 GHz	-37.75 dBm	-12.75 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74287 GHz	-48.69 dBm	-8.69 dB

Middle Channel / FullRB



Spurious Emissions

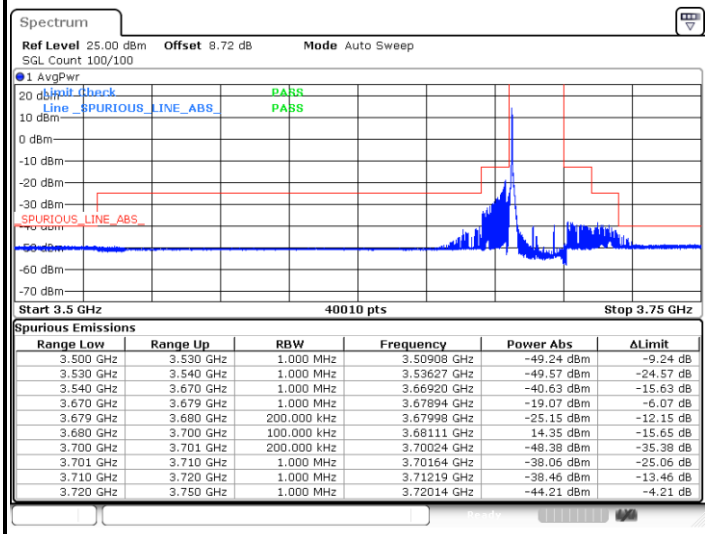
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50550 GHz	-49.28 dBm	-9.28 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53555 GHz	-49.65 dBm	-24.65 dB
3.540 GHz	3.605 GHz	1.000 MHz	3.60498 GHz	-42.60 dBm	-17.60 dB
3.605 GHz	3.614 GHz	1.000 MHz	3.61386 GHz	-32.62 dBm	-19.62 dB
3.614 GHz	3.615 GHz	200.000 kHz	3.61498 GHz	-37.95 dBm	-24.95 dB
3.615 GHz	3.635 GHz	100.000 kHz	3.62318 GHz	-5.17 dBm	-35.17 dB
3.635 GHz	3.636 GHz	200.000 kHz	3.63508 GHz	-41.78 dBm	-28.78 dB
3.636 GHz	3.645 GHz	1.000 MHz	3.63626 GHz	-34.00 dBm	-21.00 dB
3.645 GHz	3.720 GHz	1.000 MHz	3.64776 GHz	-43.16 dBm	-18.16 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74185 GHz	-48.79 dBm	-8.79 dB

N/A

LTE Band 48 / 20MHz

256QAM

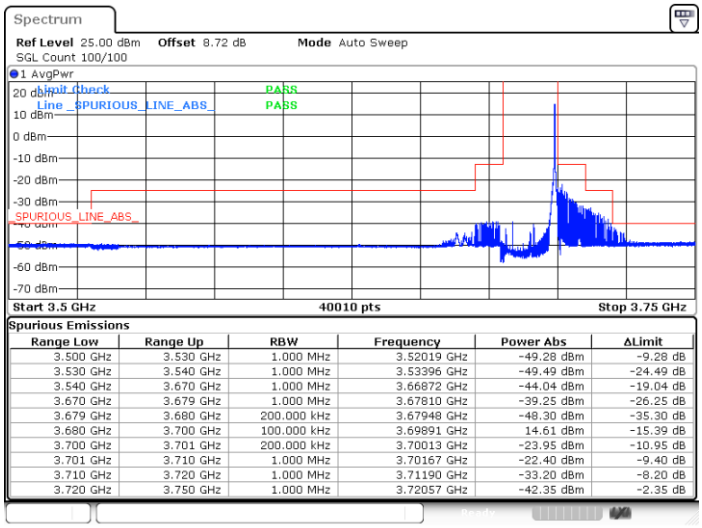
Highest Channel / 1RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50908 GHz	-49.24 dBm	-9.24 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53627 GHz	-49.57 dBm	-24.57 dB
3.540 GHz	3.670 GHz	1.000 MHz	3.66920 GHz	-40.63 dBm	-15.63 dB
3.670 GHz	3.679 GHz	1.000 MHz	3.67894 GHz	-19.07 dBm	-6.07 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67998 GHz	-25.15 dBm	-12.15 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68111 GHz	14.35 dBm	-15.65 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70024 GHz	-48.38 dBm	-35.38 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70164 GHz	-38.06 dBm	-25.06 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71219 GHz	-38.46 dBm	-13.46 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72014 GHz	-44.21 dBm	-4.21 dB

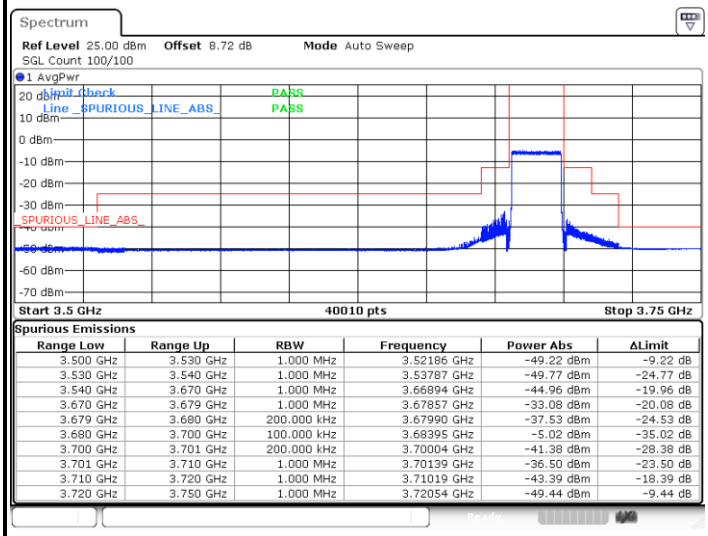
Highest Channel / 1RBmax



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52019 GHz	-49.28 dBm	-9.28 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53396 GHz	-49.49 dBm	-24.49 dB
3.540 GHz	3.670 GHz	1.000 MHz	3.66872 GHz	-44.04 dBm	-19.04 dB
3.670 GHz	3.679 GHz	1.000 MHz	3.67810 GHz	-39.25 dBm	-26.25 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67948 GHz	-48.30 dBm	-35.30 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69891 GHz	14.61 dBm	-15.39 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70013 GHz	-23.95 dBm	-10.95 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70167 GHz	-22.40 dBm	-9.40 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71190 GHz	-33.20 dBm	-8.20 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72057 GHz	-42.35 dBm	-2.35 dB

Highest Channel / FullRB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52186 GHz	-49.22 dBm	-9.22 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53787 GHz	-49.77 dBm	-24.77 dB
3.540 GHz	3.670 GHz	1.000 MHz	3.66894 GHz	-44.96 dBm	-19.96 dB
3.670 GHz	3.679 GHz	1.000 MHz	3.67857 GHz	-33.08 dBm	-20.08 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67990 GHz	-37.53 dBm	-24.53 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68395 GHz	-5.02 dBm	-35.02 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70004 GHz	-41.38 dBm	-28.38 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70139 GHz	-36.50 dBm	-23.50 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71019 GHz	-43.39 dBm	-18.39 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72054 GHz	-49.44 dBm	-9.44 dB

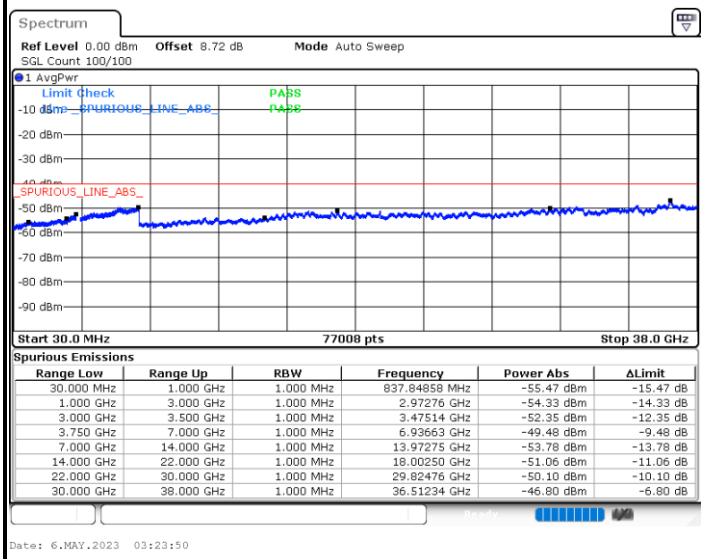
N/A

A2.6 Conducted Spurious Emission

LTE Band 48 / 5MHz

QPSK / 1RB0

Lowest Channel

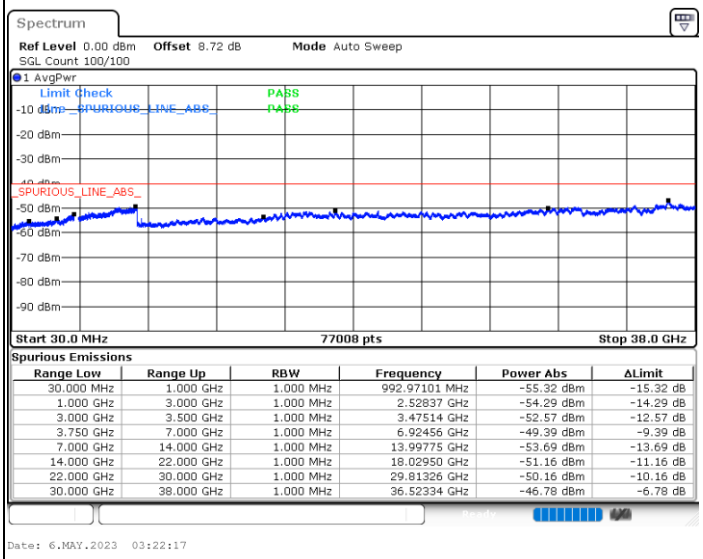


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	837.84858 MHz	-55.47 dBm	-15.47 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.97276 GHz	-54.33 dBm	-14.33 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.47514 GHz	-52.35 dBm	-12.35 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.93663 GHz	-49.48 dBm	-9.48 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.97275 GHz	-53.78 dBm	-13.78 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.00250 GHz	-51.06 dBm	-11.06 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.82476 GHz	-50.10 dBm	-10.10 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.51234 GHz	-46.80 dBm	-6.80 dB

Date: 6.MAY.2023 03:23:50

Middle Channel

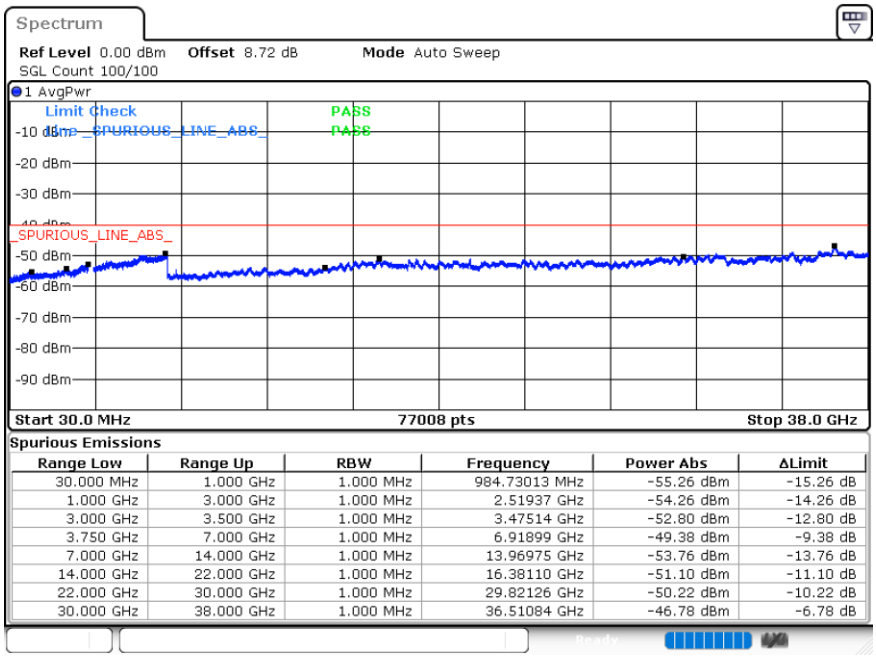


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.97101 MHz	-55.32 dBm	-15.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52837 GHz	-54.29 dBm	-14.29 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.47514 GHz	-52.57 dBm	-12.57 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.92456 GHz	-49.39 dBm	-9.39 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.99775 GHz	-53.69 dBm	-13.69 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.02950 GHz	-51.16 dBm	-11.16 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.81326 GHz	-50.16 dBm	-10.16 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.52334 GHz	-46.78 dBm	-6.78 dB

Date: 6.MAY.2023 03:22:17

Highest Channel



Spurious Emissions

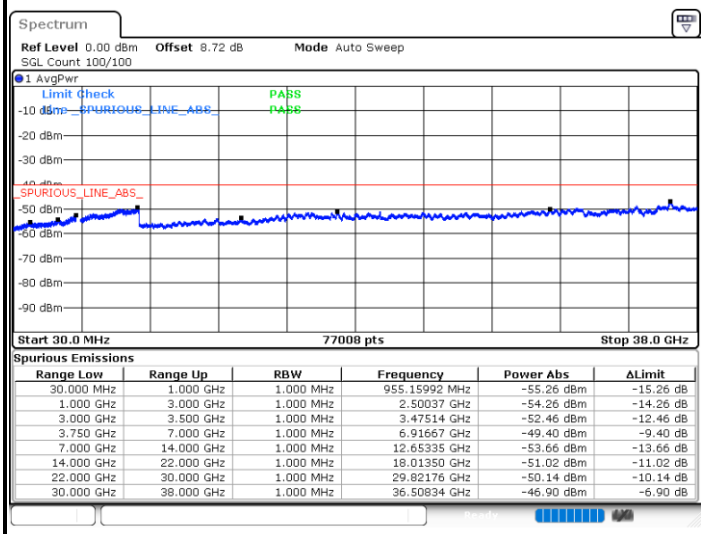
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.73013 MHz	-55.26 dBm	-15.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51937 GHz	-54.26 dBm	-14.26 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.47514 GHz	-52.80 dBm	-12.80 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.91899 GHz	-49.38 dBm	-9.38 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.96975 GHz	-53.76 dBm	-13.76 dB
14.000 GHz	22.000 GHz	1.000 MHz	16.38110 GHz	-51.10 dBm	-11.10 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.82126 GHz	-50.22 dBm	-10.22 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.51084 GHz	-46.78 dBm	-6.78 dB

Date: 6.MAY.2023 03:25:24

LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

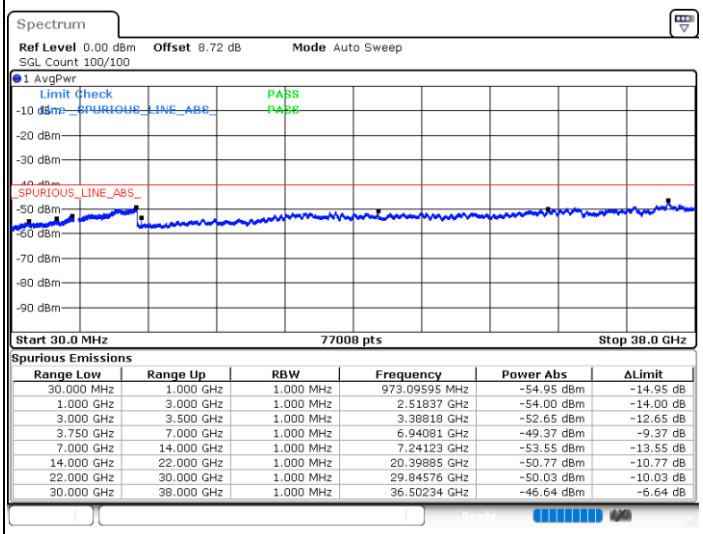


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	955.15992 MHz	-55.26 dBm	-15.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.50037 GHz	-54.26 dBm	-14.26 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.47514 GHz	-52.46 dBm	-12.46 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.91667 GHz	-49.40 dBm	-9.40 dB
7.000 GHz	14.000 GHz	1.000 MHz	12.65335 GHz	-53.66 dBm	-13.66 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.01350 GHz	-51.02 dBm	-11.02 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.82176 GHz	-50.14 dBm	-10.14 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.50834 GHz	-46.90 dBm	-6.90 dB

Date: 6.MAY.2023 03:27:07

Middle Channel

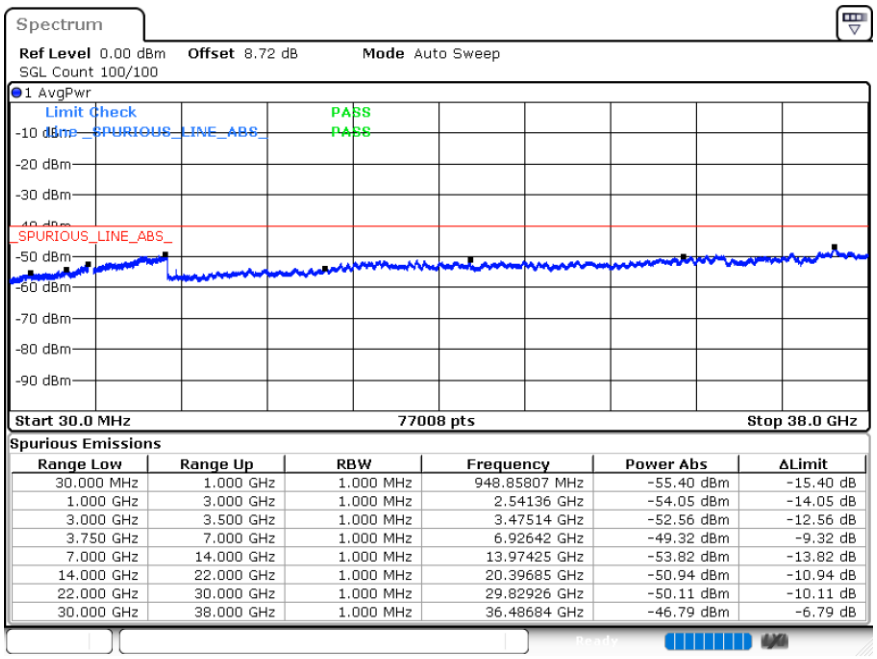


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-54.95 dBm	-14.95 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.51837 GHz	-54.00 dBm	-14.00 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.38818 GHz	-52.65 dBm	-12.65 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.94081 GHz	-49.37 dBm	-9.37 dB
7.000 GHz	14.000 GHz	1.000 MHz	7.24123 GHz	-53.55 dBm	-13.55 dB
14.000 GHz	22.000 GHz	1.000 MHz	20.39885 GHz	-50.77 dBm	-10.77 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.84576 GHz	-50.03 dBm	-10.03 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.50234 GHz	-46.64 dBm	-6.64 dB

Date: 6.MAY.2023 03:28:38

Highest Channel



Spurious Emissions

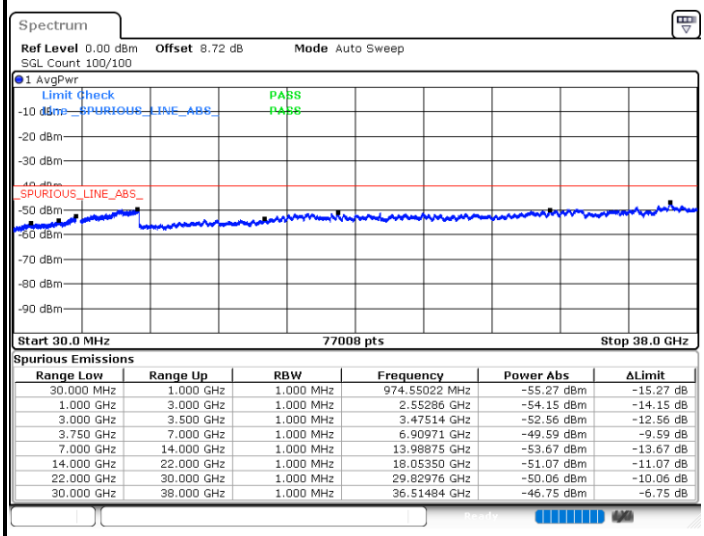
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	948.85807 MHz	-55.40 dBm	-15.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.54136 GHz	-54.05 dBm	-14.05 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.47514 GHz	-52.56 dBm	-12.56 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.92642 GHz	-49.32 dBm	-9.32 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.97425 GHz	-53.82 dBm	-13.82 dB
14.000 GHz	22.000 GHz	1.000 MHz	20.39685 GHz	-50.94 dBm	-10.94 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.82926 GHz	-50.11 dBm	-10.11 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.48684 GHz	-46.79 dBm	-6.79 dB

Date: 6.MAY.2023 03:31:02

LTE Band 48 / 15MHz

QPSK / 1RB0

Lowest Channel

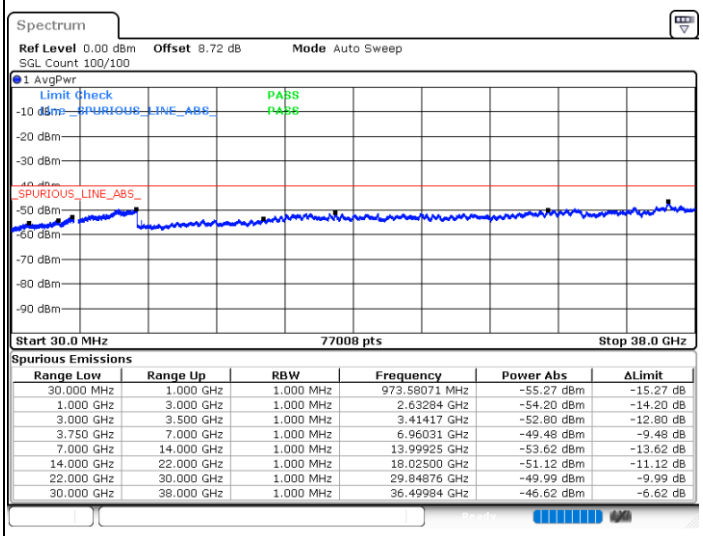


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	974.55022 MHz	-55.27 dBm	-15.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.55286 GHz	-54.15 dBm	-14.15 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.47514 GHz	-52.56 dBm	-12.56 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.90971 GHz	-49.59 dBm	-9.59 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.98875 GHz	-53.67 dBm	-13.67 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.05350 GHz	-51.07 dBm	-11.07 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.82976 GHz	-50.06 dBm	-10.06 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.51484 GHz	-46.75 dBm	-6.75 dB

Date: 6.MAY.2023 03:33:02

Middle Channel

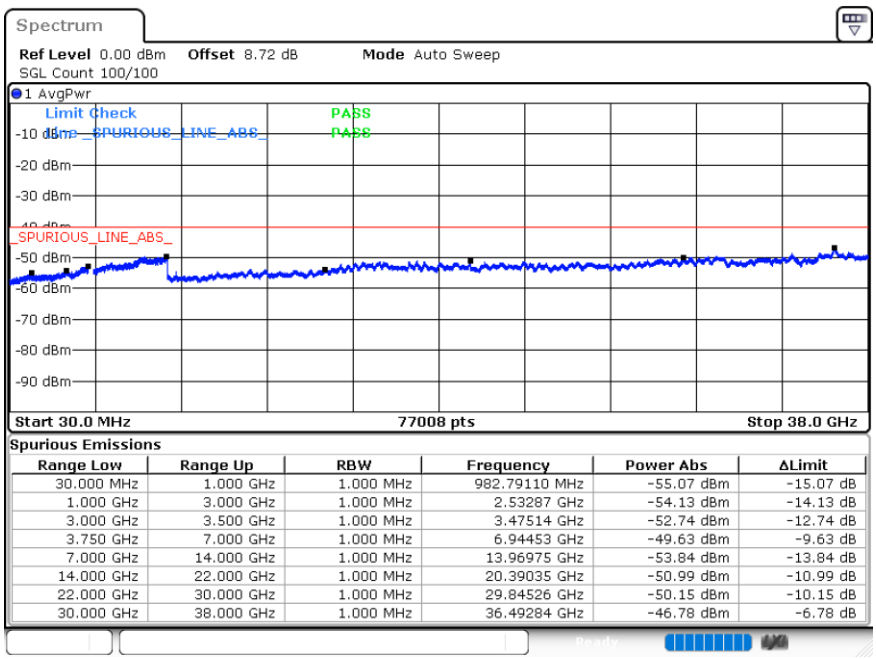


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.58071 MHz	-55.27 dBm	-15.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.63284 GHz	-54.20 dBm	-14.20 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.41417 GHz	-52.80 dBm	-12.80 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.96031 GHz	-49.48 dBm	-9.48 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.99925 GHz	-53.62 dBm	-13.62 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.02500 GHz	-51.12 dBm	-11.12 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.84876 GHz	-49.99 dBm	-9.99 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.49984 GHz	-46.62 dBm	-6.62 dB

Date: 6.MAY.2023 03:34:39

Highest Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.79110 MHz	-55.07 dBm	-15.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.53287 GHz	-54.13 dBm	-14.13 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.47514 GHz	-52.74 dBm	-12.74 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.94453 GHz	-49.63 dBm	-9.63 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.96975 GHz	-53.84 dBm	-13.84 dB
14.000 GHz	22.000 GHz	1.000 MHz	20.39035 GHz	-50.99 dBm	-10.99 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.84526 GHz	-50.15 dBm	-10.15 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.49284 GHz	-46.78 dBm	-6.78 dB

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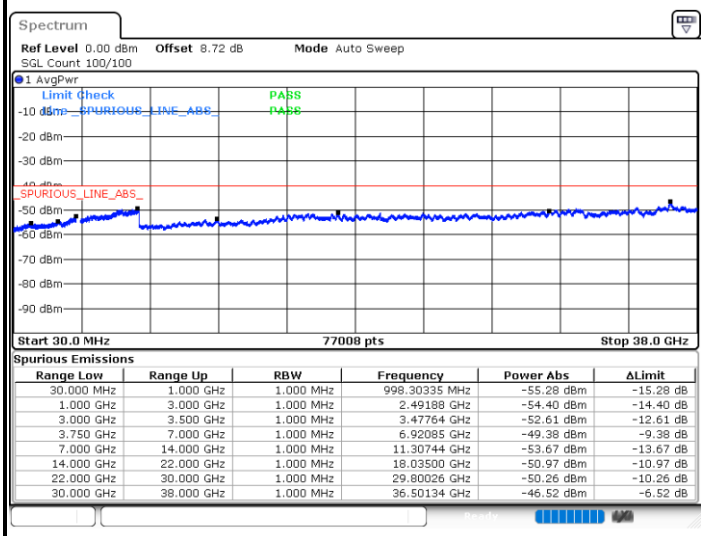
LTE Band 48 / 20MHz

QPSK / 1RB0

Lowest Channel

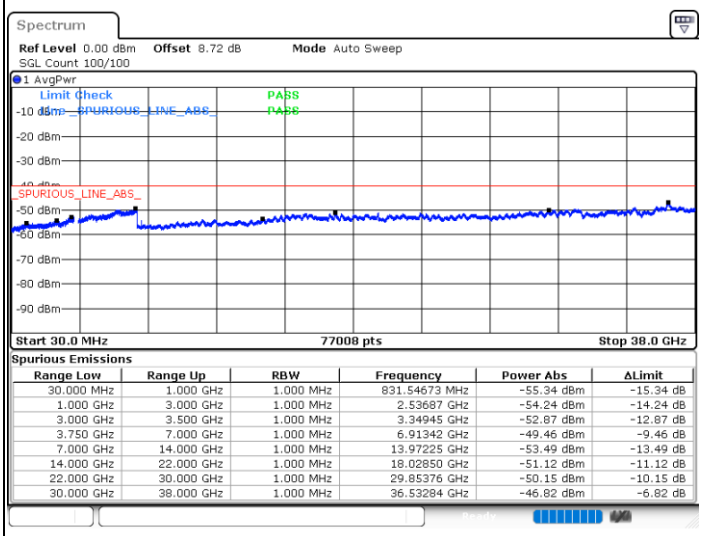


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-55.28 dBm	-15.28 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.49188 GHz	-54.40 dBm	-14.40 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.47764 GHz	-52.61 dBm	-12.61 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.92085 GHz	-49.38 dBm	-9.38 dB
7.000 GHz	14.000 GHz	1.000 MHz	11.30744 GHz	-53.67 dBm	-13.67 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.03500 GHz	-50.97 dBm	-10.97 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.80026 GHz	-50.26 dBm	-10.26 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.50134 GHz	-46.52 dBm	-6.52 dB

Date: 6.MAY.2023 03:38:13

Middle Channel

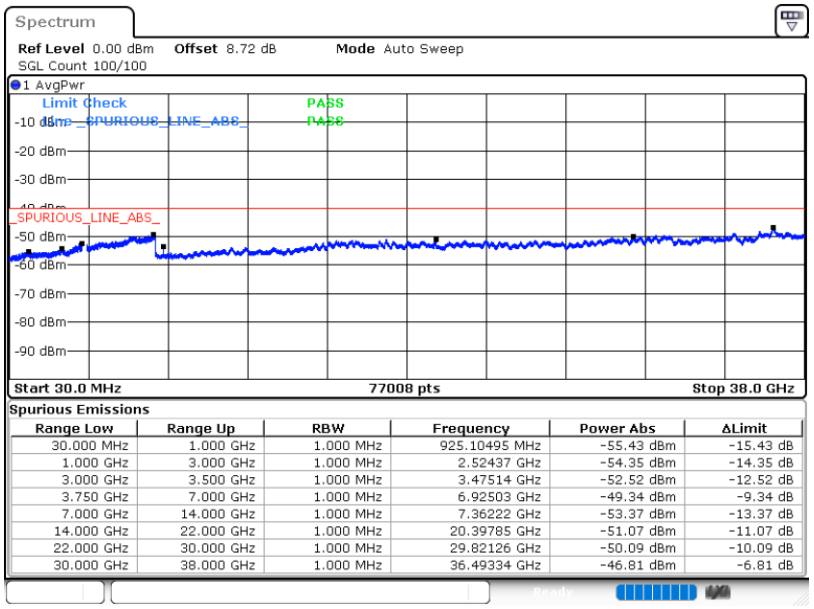


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	831.54673 MHz	-55.34 dBm	-15.34 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.53687 GHz	-54.24 dBm	-14.24 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.34945 GHz	-52.87 dBm	-12.87 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.91342 GHz	-49.46 dBm	-9.46 dB
7.000 GHz	14.000 GHz	1.000 MHz	13.97225 GHz	-53.49 dBm	-13.49 dB
14.000 GHz	22.000 GHz	1.000 MHz	18.02850 GHz	-51.12 dBm	-11.12 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.85376 GHz	-50.15 dBm	-10.15 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.53284 GHz	-46.82 dBm	-6.82 dB

Date: 6.MAY.2023 03:39:43

Highest Channel



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	925.10495 MHz	-55.43 dBm	-15.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	2.52437 GHz	-54.35 dBm	-14.35 dB
3.000 GHz	3.500 GHz	1.000 MHz	3.47514 GHz	-52.52 dBm	-12.52 dB
3.750 GHz	7.000 GHz	1.000 MHz	6.92503 GHz	-49.34 dBm	-9.34 dB
7.000 GHz	14.000 GHz	1.000 MHz	7.36222 GHz	-53.37 dBm	-13.37 dB
14.000 GHz	22.000 GHz	1.000 MHz	20.39785 GHz	-51.07 dBm	-11.07 dB
22.000 GHz	30.000 GHz	1.000 MHz	29.82126 GHz	-50.09 dBm	-10.09 dB
30.000 GHz	38.000 GHz	1.000 MHz	36.49334 GHz	-46.81 dBm	-6.81 dB

Date: 6.MAY.2023 03:41:46

A2.7 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	0.0021	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0031	
20	Minimum Voltage	0.0042	

Note:

1. Normal Voltage =54 V. ; Minimum Voltage =48 V. ; Maximum Voltage =57 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

A3. LTE Band 48C

A3.1 EIRP PSD

Full RB

Mode	LTE Band 48C : EIRP PSD (dBm/1MHz)											
BW	5MHz+20MHz				10M+20M				15M+20M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	34.44	34.41	34.30	32.65	33.86	33.67	33.60	31.92	32.63	32.68	32.61	30.90
Middle CH	34.50	34.48	34.43	32.76	33.66	33.64	33.61	32.12	32.78	32.75	32.91	31.09
Highest CH	34.50	34.65	34.68	32.77	33.70	33.73	33.70	32.03	32.68	32.76	32.73	31.19
Limit	37dBm /1MHz											
Gain	17.99											
Result	Pass											
Mode	LTE Band 48C : EIRP PSD (dBm/1MHz)											
BW	20M+5M				20M+10M				20M+15M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	34.65	34.48	34.54	32.24	33.49	33.67	33.56	31.26	32.68	32.67	32.60	30.19
Middle CH	34.44	34.49	34.41	32.11	33.64	33.52	33.77	31.14	32.67	32.71	32.60	30.28
Highest CH	34.42	34.51	34.58	32.26	33.53	33.56	33.61	31.23	32.55	32.63	32.56	30.16
Limit	37dBm /1MHz											
Gain	17.99											
Result	Pass											
Mode	LTE Band 48C : EIRP PSD (dBm/1MHz)											
BW	20M+20M											
Mod.	QPSK	16QAM	64QAM	256Q								
Lowest CH	31.67	31.78	31.82	30.09								
Middle CH	31.71	31.68	31.83	30.19								
Highest CH	31.79	31.73	31.72	30.29								
Limit	37dBm /1MHz											
Gain	17.99											
Result	Pass											

1RBMAX 1RB0

Mode	LTE Band 48C : EIRP PSD (dBm/1MHz)											
BW	5MHz+20MHz				10MHz+20MHz				15MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	30.30	30.52	30.45	30.54	29.79	30.19	30.08	30.39	30.01	30.13	30.06	30.26
Middle CH	30.00	30.26	30.12	30.34	29.81	30.11	30.05	30.01	29.88	30.28	30.03	30.44
Highest CH	29.98	30.20	30.20	30.34	29.90	30.01	30.14	30.05	29.71	30.38	29.98	30.03
Limit	37dBm /1MHz											
Gain	17.99											
Result	Pass											
Mode	LTE Band 48C : EIRP PSD (dBm/1MHz)											
BW	20M+5M				20M+10M				20M+15M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	29.96	30.35	30.13	30.40	30.03	30.03	30.13	30.33	29.74	30.11	30.03	30.4
Middle CH	30.16	30.51	30.18	30.45	29.97	29.99	30.21	30.18	29.91	30.55	29.79	30.01
Highest CH	30.04	30.47	30.12	30.29	29.74	30.19	29.89	30.17	29.92	30.17	30.15	30.17
Limit	37dBm /1MHz											
Gain	17.99											
Result	Pass											
Mode	LTE Band 48C : EIRP PSD (dBm/1MHz)											
BW	20M+20M											
Mod.	QPSK	16QAM	64QAM	256Q								
Lowest CH	29.82	29.91	29.81	30.17								
Middle CH	29.81	30.14	29.88	29.89								
Highest CH	29.99	29.97	30.20	29.72								
Limit	37dBm /1MHz											
Gain	17.99											
Result	Pass											

1RB0 1RBMAX

Mode	LTE Band 48C : EIRP PSD (dBm/1MHz)											
BW	5MHz+20MHz				10MHz+20MHz				15MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	27.33	27.70	27.43	27.52	27.01	27.22	27.22	27.25	27.27	27.44	27.57	27.51
Middle CH	27.47	27.30	27.35	27.33	27.02	27.24	27.49	27.30	27.37	27.65	27.59	27.39
Highest CH	27.24	27.43	27.25	27.48	27.17	27.46	27.43	27.06	27.22	27.47	27.25	27.52
Limit	37dBm /1MHz											
Gain	17.99											
Result	Pass											
Mode	LTE Band 48C : EIRP PSD (dBm/1MHz)											
BW	20M+5M				20M+10M				20M+15M			
Mod.	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q	QPSK	16QAM	64QAM	256Q
Lowest CH	27.34	27.73	27.38	27.65	27.04	27.31	27.62	27.23	27.15	27.58	27.25	27.33
Middle CH	27.50	27.90	27.63	27.71	27.05	27.27	27.24	27.59	27.33	27.42	27.33	27.33
Highest CH	27.41	27.56	27.64	27.52	27.14	27.23	27.35	27.53	27.18	27.53	27.37	27.38
Limit	37dBm /1MHz											
Gain	17.99											
Result	Pass											
Mode	LTE Band 48C : EIRP PSD (dBm/1MHz)											
BW	20M+20M											
Mod.	QPSK	16QAM	64QAM	256Q								
Lowest CH	27.10	27.34	27.40	27.36								
Middle CH	27.13	27.32	27.29	27.50								
Highest CH	27.26	27.40	27.26	27.44								
Limit	37dBm /1MHz											
Gain	17.99											
Result	Pass											

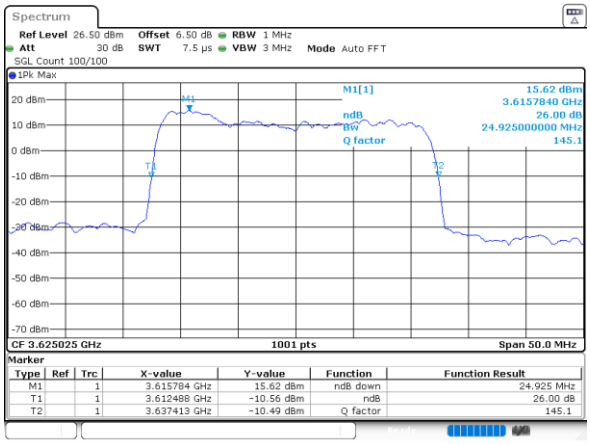
A3.2 26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)			
BW	5MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	24.93	24.83	24.93	24.88
BW	10MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	30.09	30.03	30.27	30.03
BW	15MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	35.04	34.90	34.90	34.90
BW	20MHz+5MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	24.98	24.83	24.88	24.88
BW	20MHz+10MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	30.03	30.03	29.97	30.15
BW	20MHz+15MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	35.04	34.97	35.18	34.97
BW	20MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	39.96	39.80	39.80	39.80

LTE Band 48 / Middle channel / Full RB

5MHz+20MHz

QPSK



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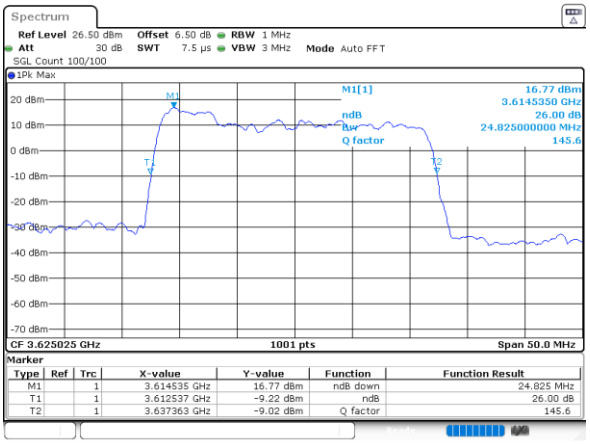

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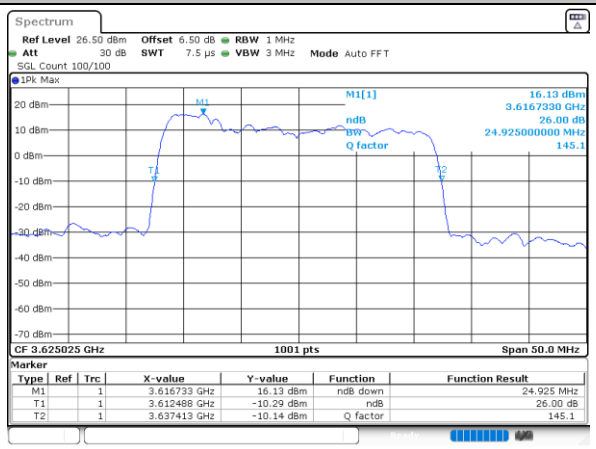

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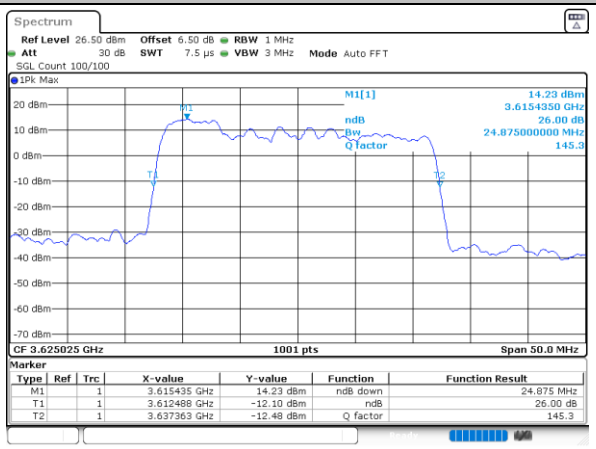
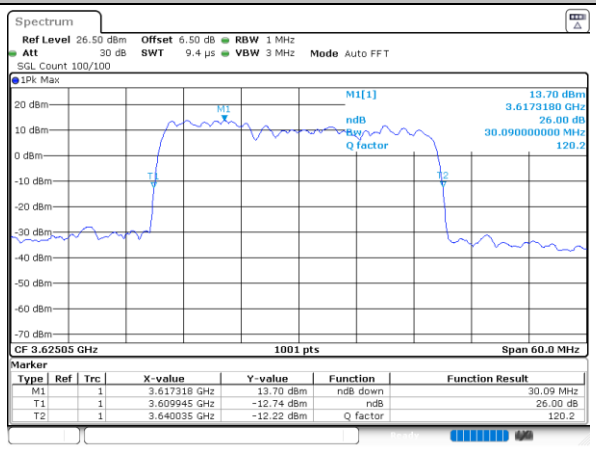


10MHz+20MHz

QPSK



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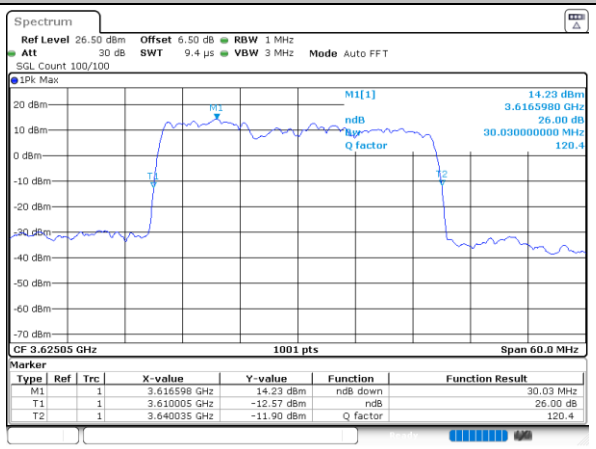

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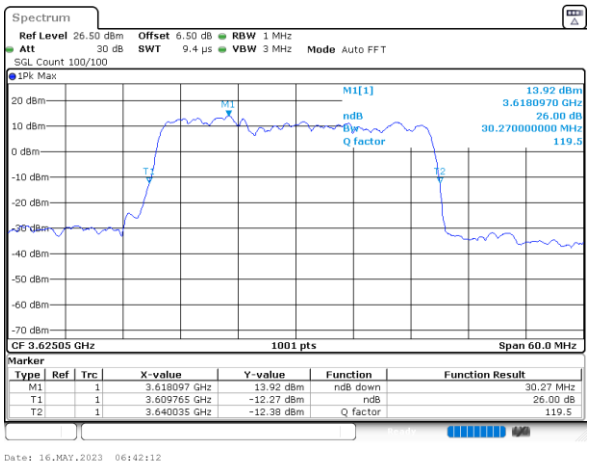

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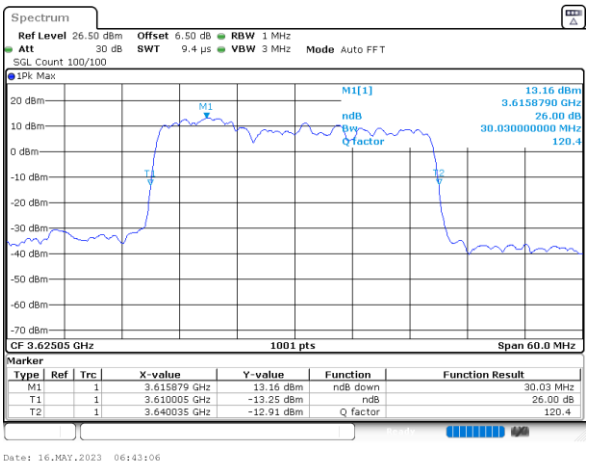
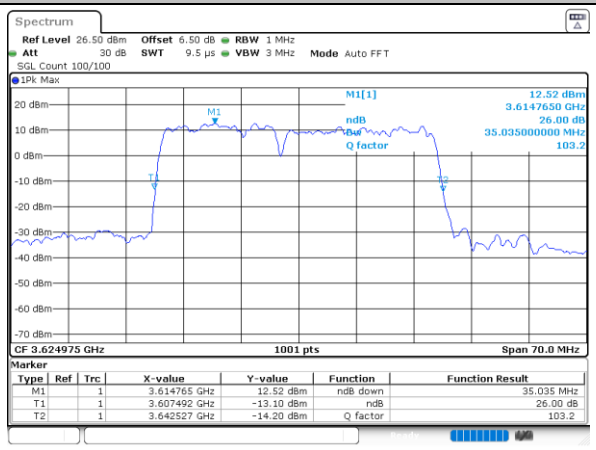


15MHz+20MHz

QPSK



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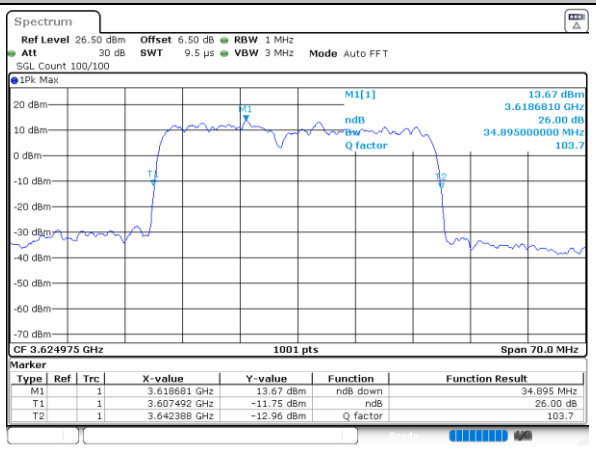

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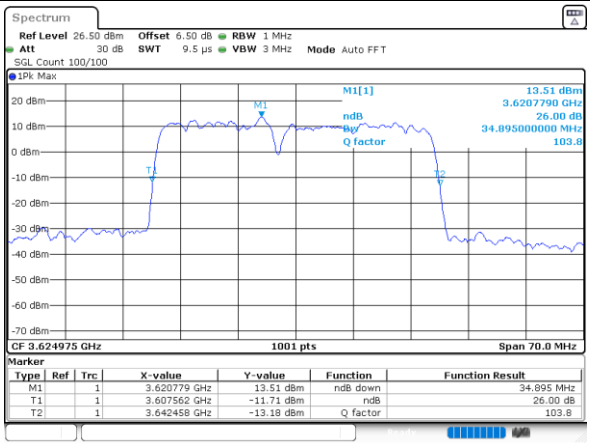

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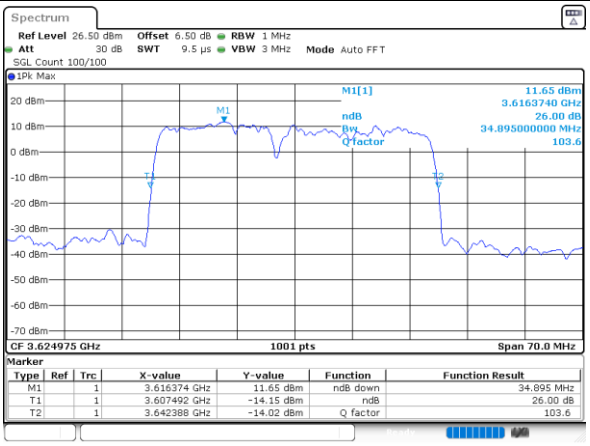
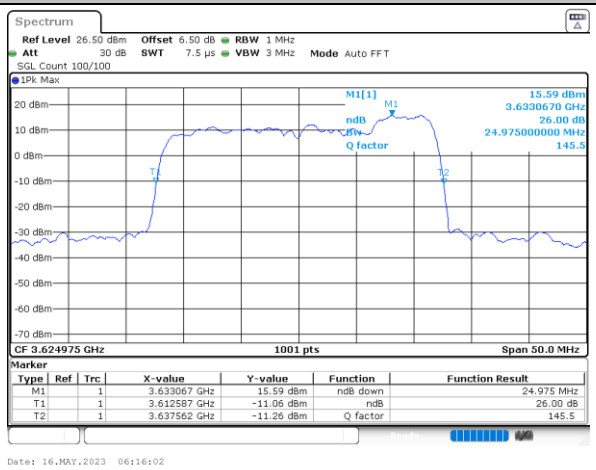


20MHz+5MHz

QPSK



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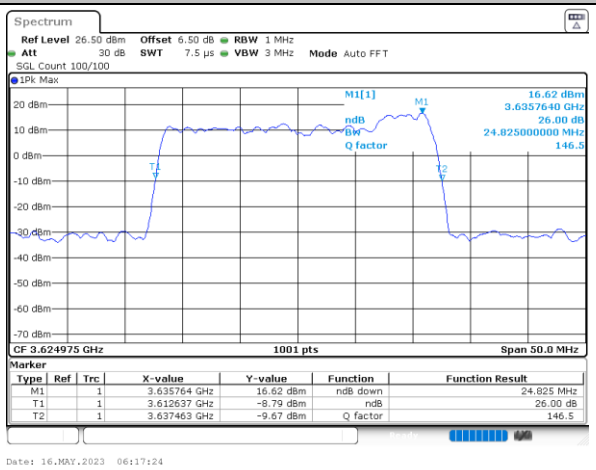

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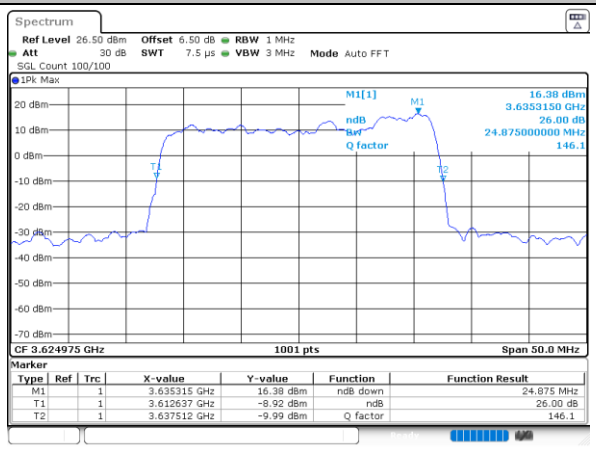

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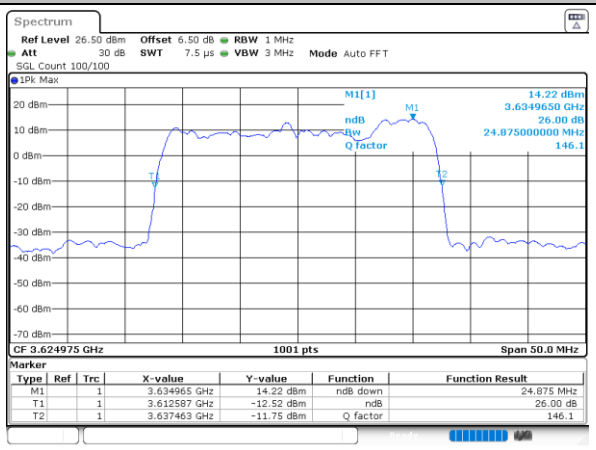
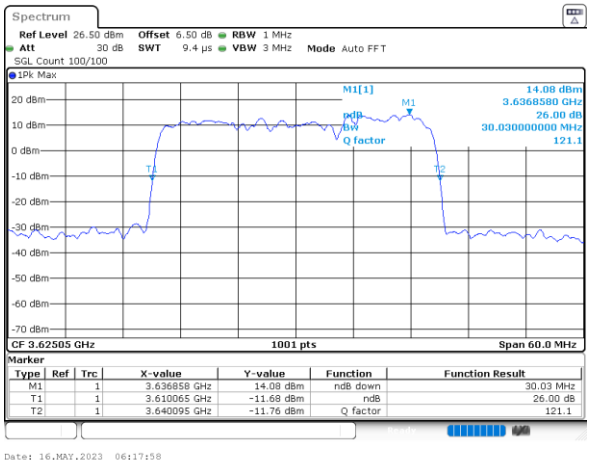


20MHz+10MHz

QPSK



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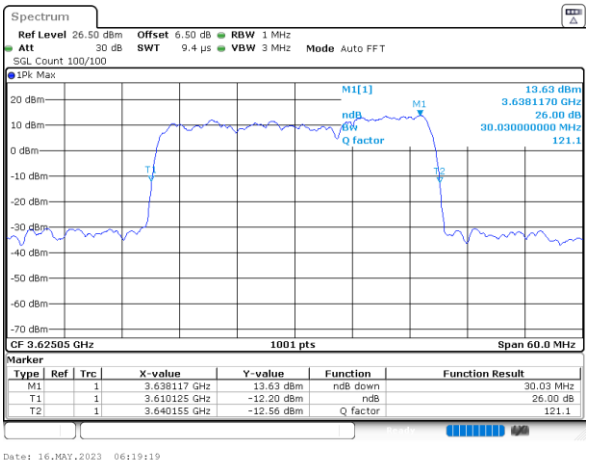

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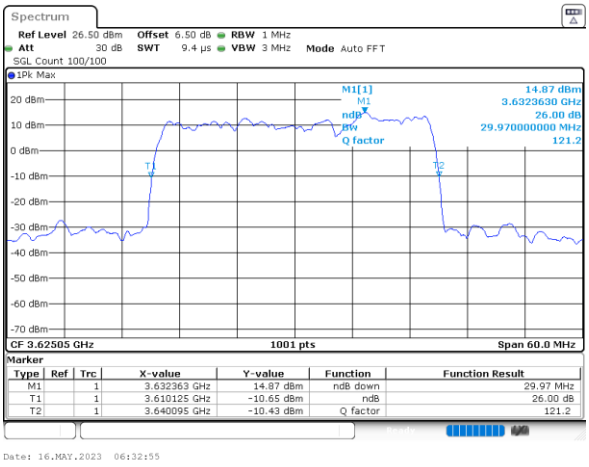

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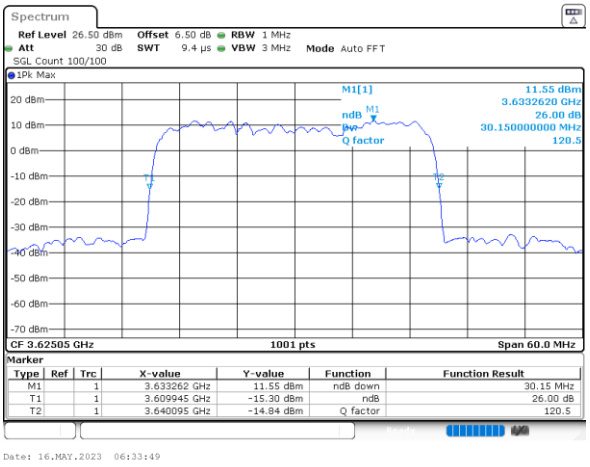
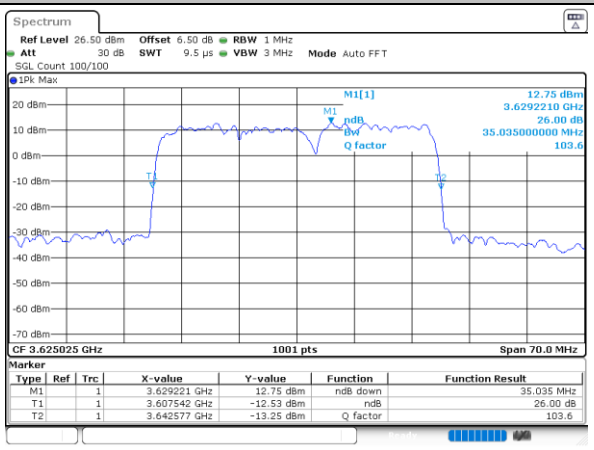
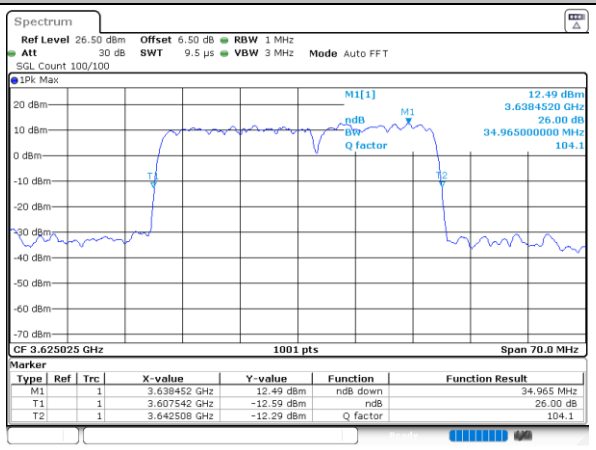


20MHz+15MHz

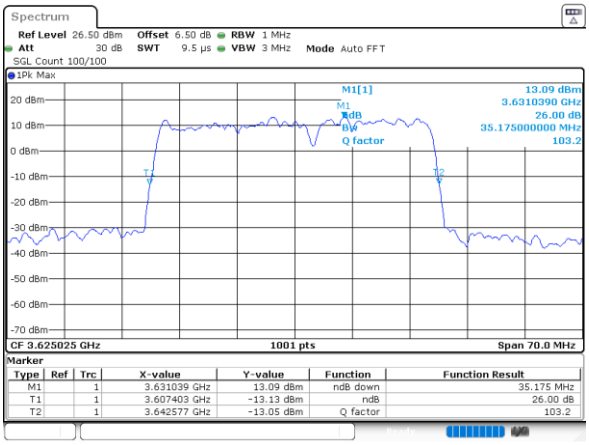
QPSK



16QAM



64QAM



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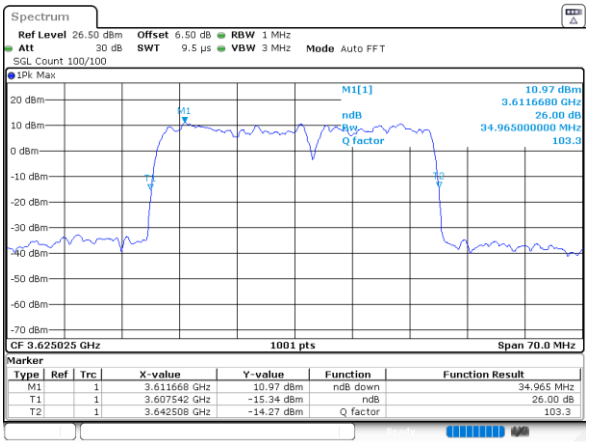
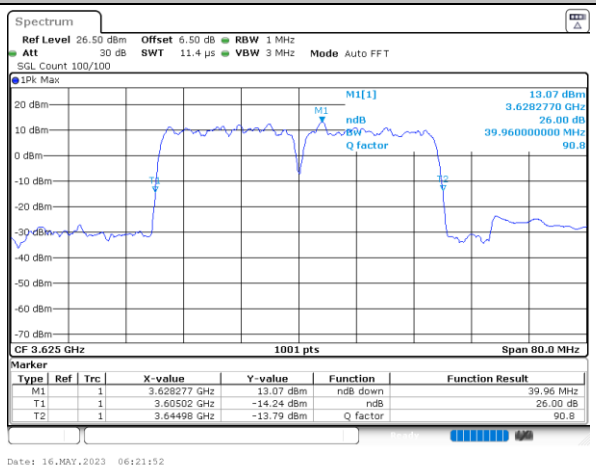


20MHz+20MHz

QPSK



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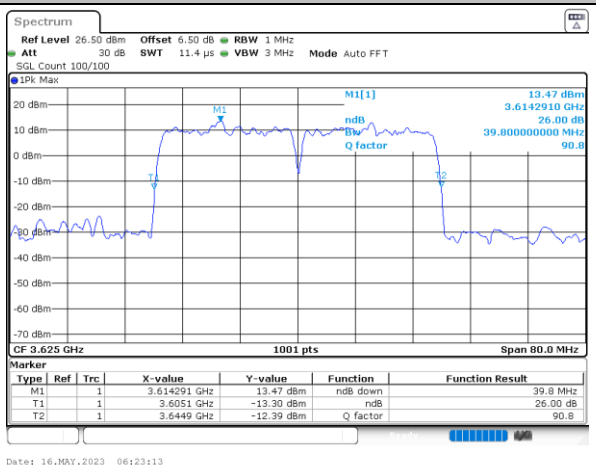

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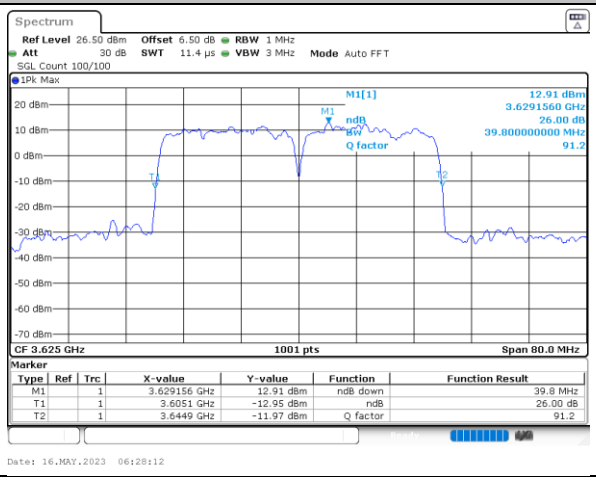

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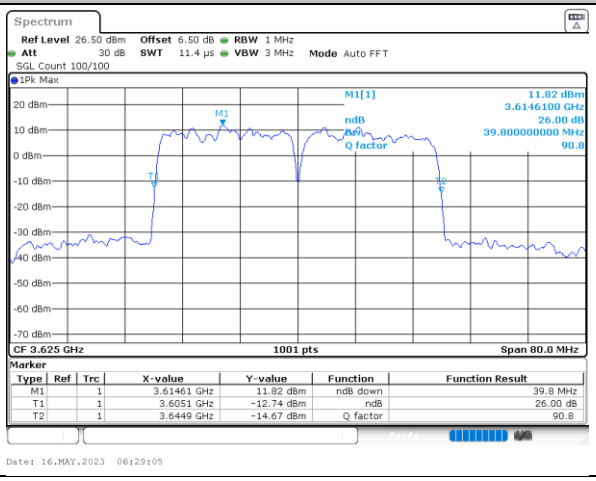


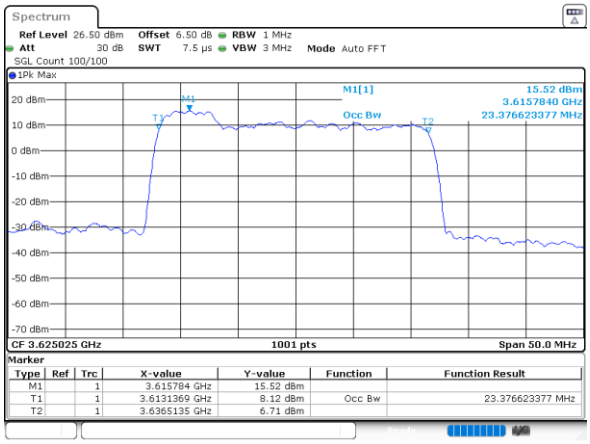
A3.3 Occupied Bandwidth

BW	5MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	23.38	23.28	23.08	23.38
BW	10MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	28.11	27.99	27.93	27.99
BW	15MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	32.87	32.94	32.94	32.66
BW	20MHz+5MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	23.33	23.53	23.28	23.23
BW	20MHz+10MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	28.05	28.29	27.93	28.11
BW	20MHz+15MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	33.08	32.94	33.01	32.80
BW	20MHz+20MHz			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	37.56	37.72	37.72	37.72

LTE Band 48 / Middle channel / Full RB

5MHz+20MHz

QPSK



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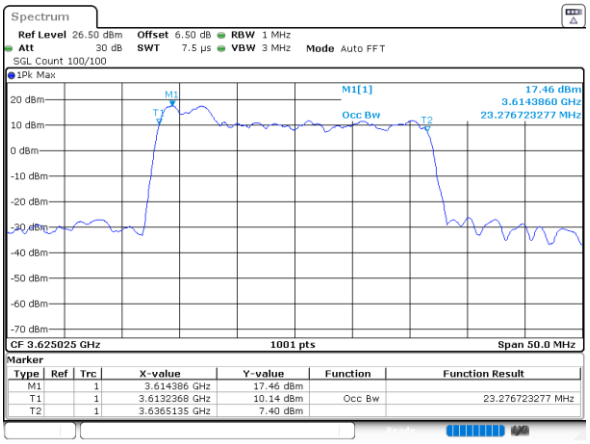

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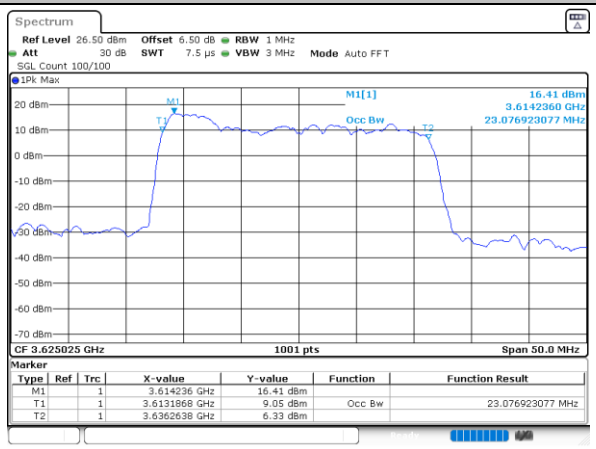

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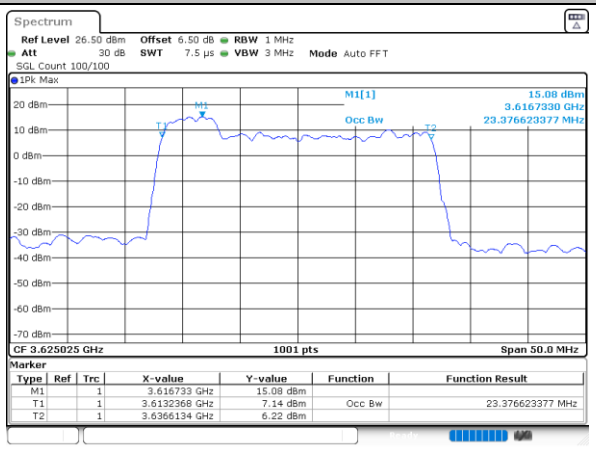
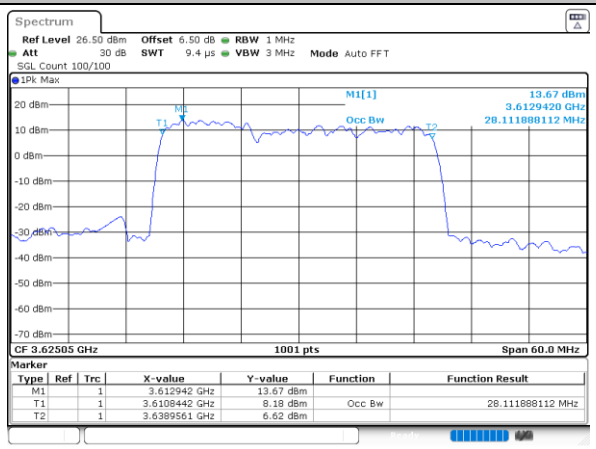


10MHz+20MHz

QPSK



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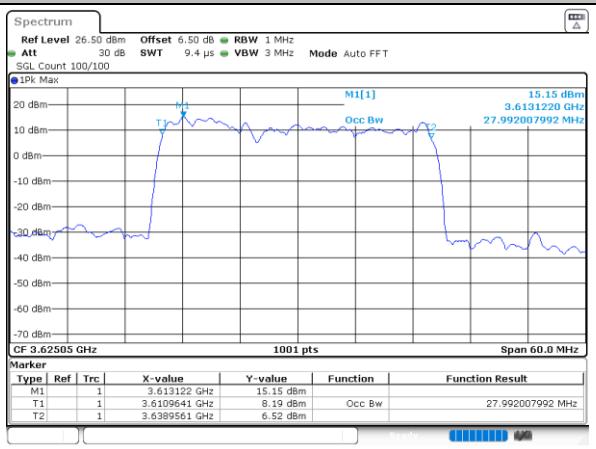

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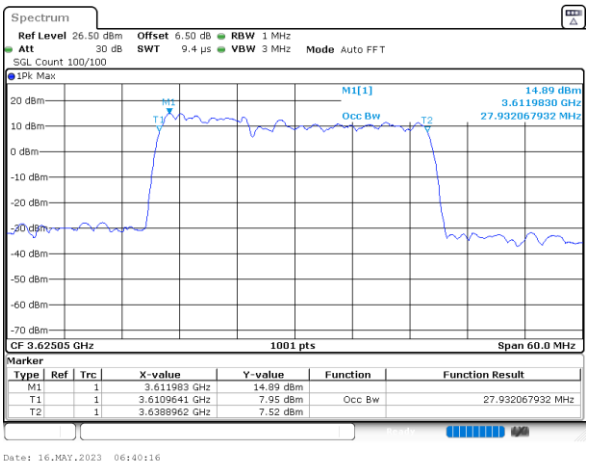

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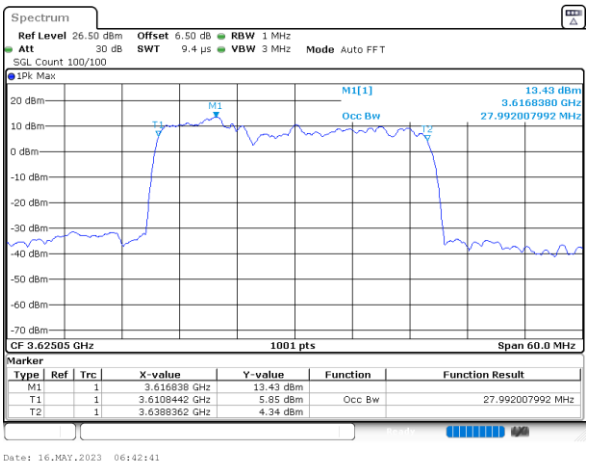
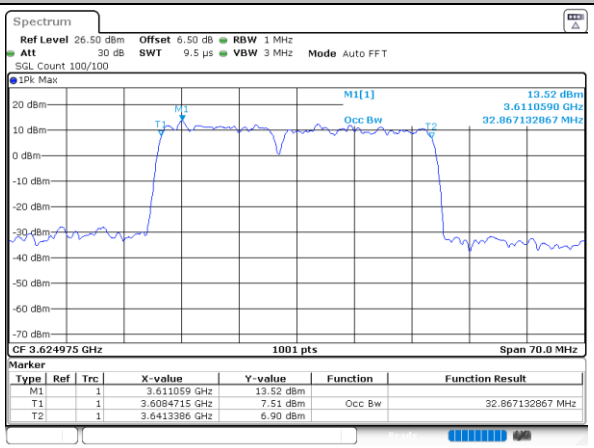


15MHz+20MHz

QPSK



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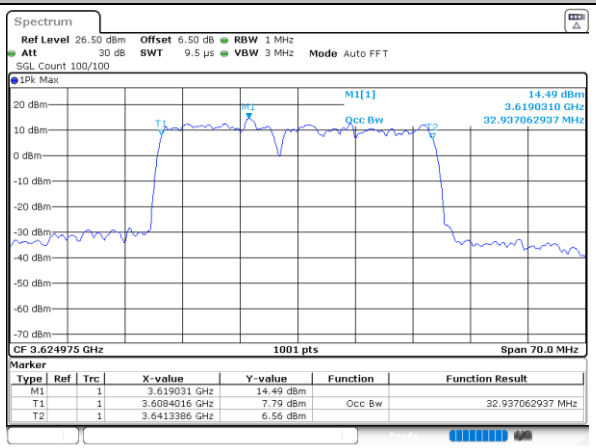

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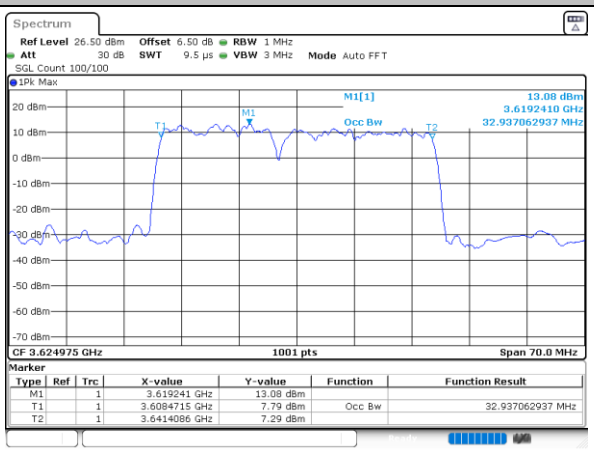

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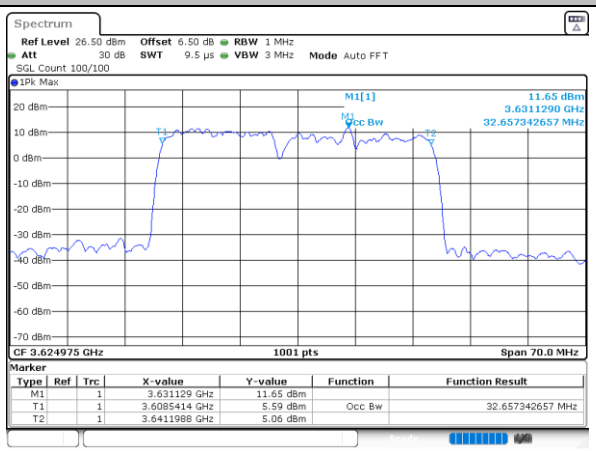
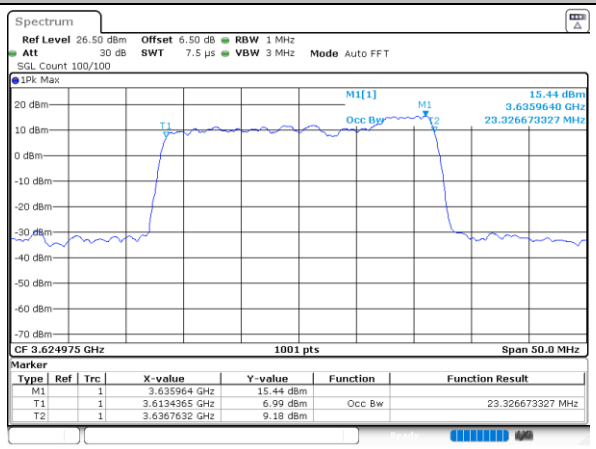


20MHz+5MHz

QPSK



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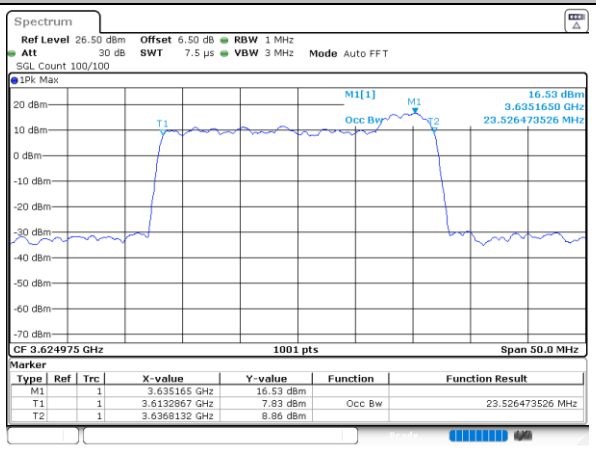

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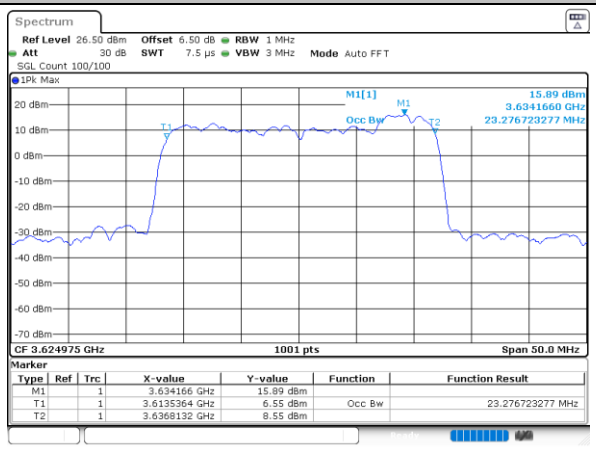

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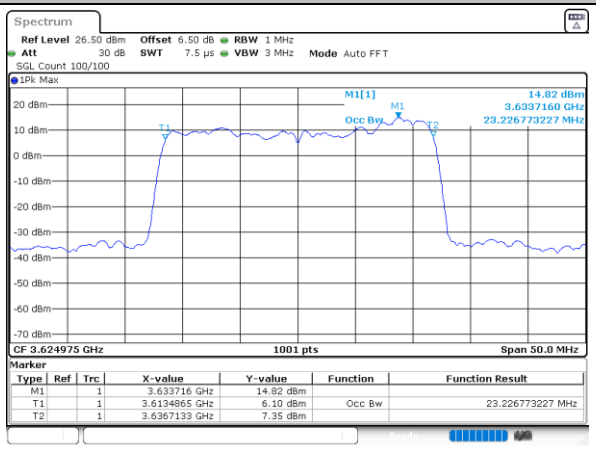
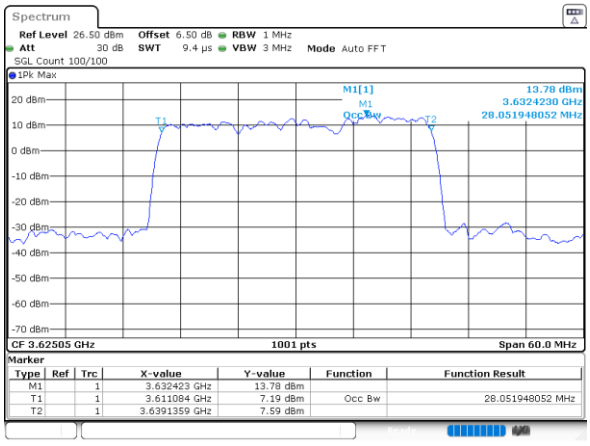


20MHz+10MHz

QPSK



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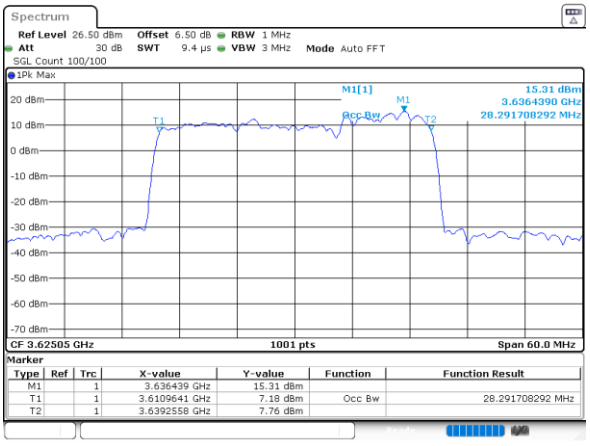

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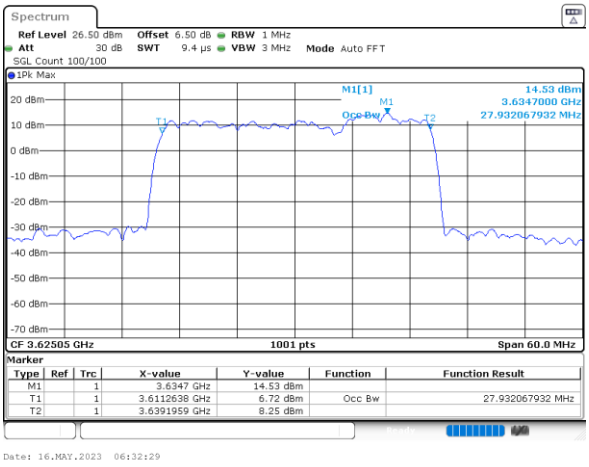

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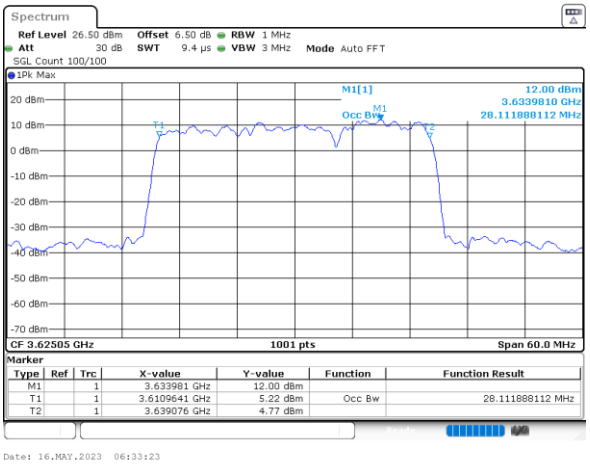
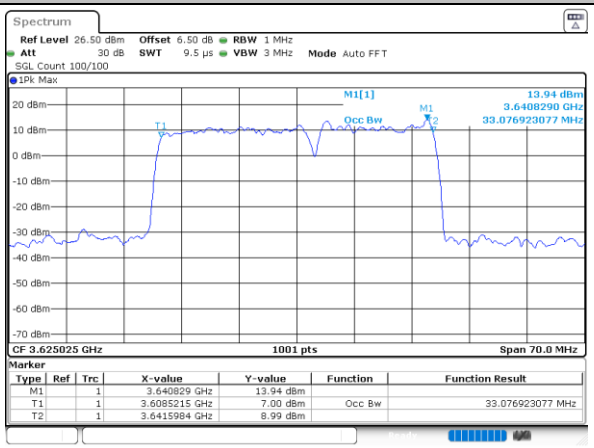


20MHz+15MHz

QPSK



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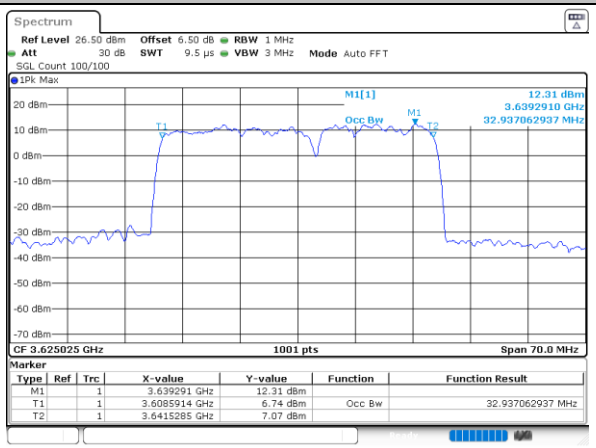

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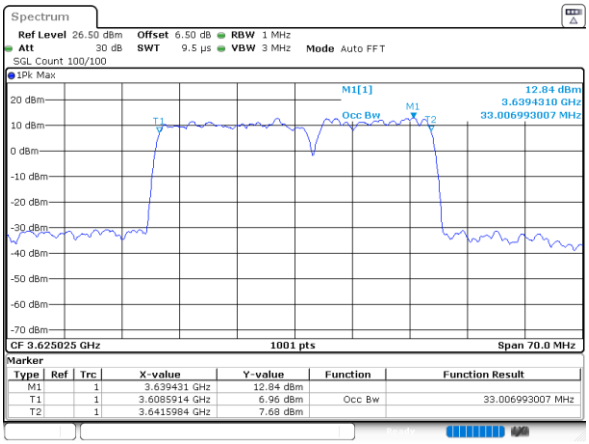

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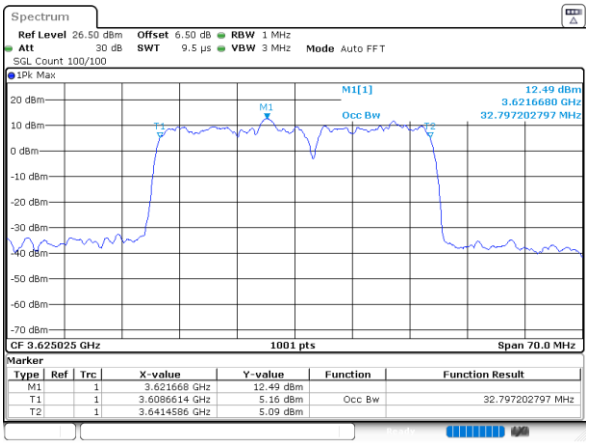
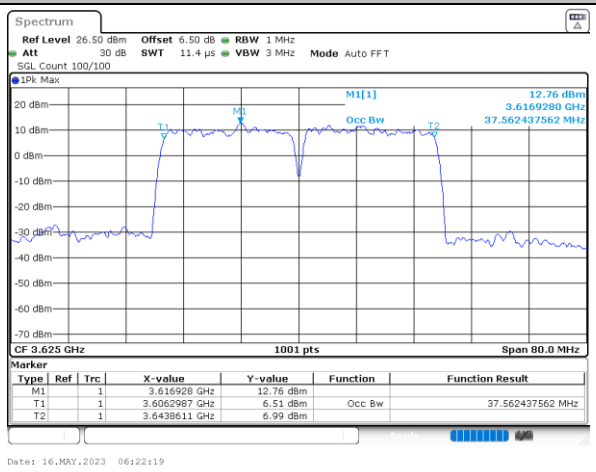


20MHz+20MHz

QPSK



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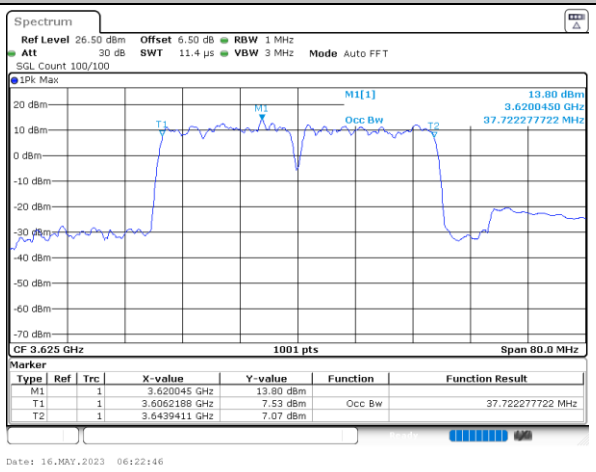

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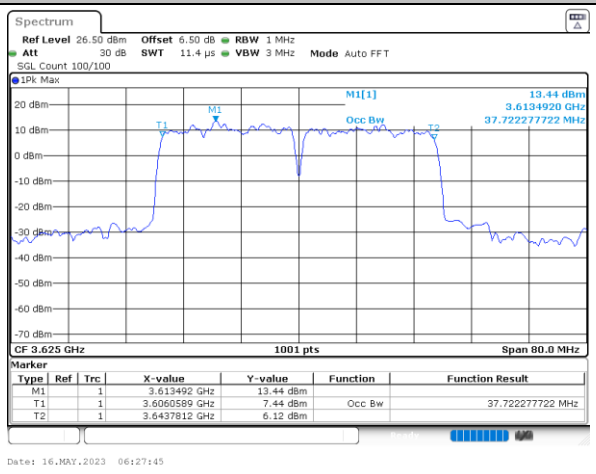

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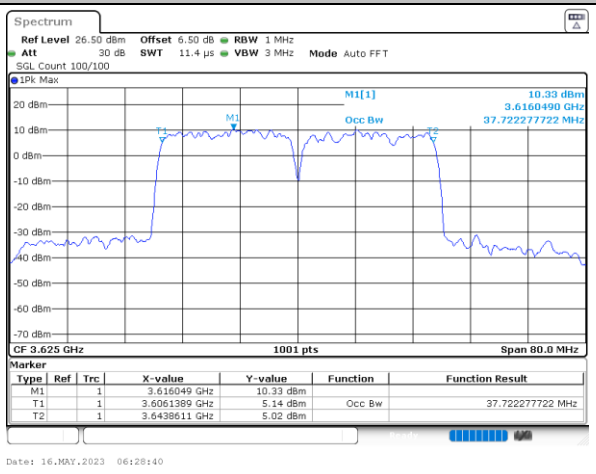
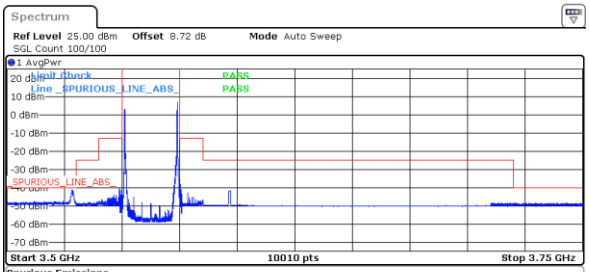


A3.4 Conducted Band Edge

LTE Band 48C / 5MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

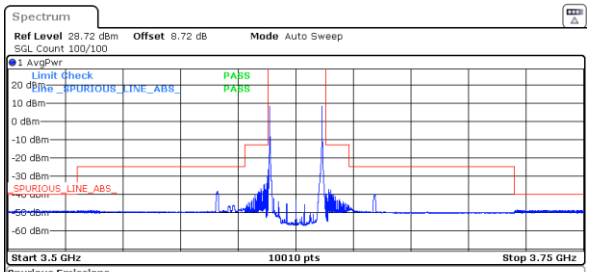


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52840 GHz	-41.27 dBm	-1.27 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53916 GHz	-47.99 dBm	-22.99 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54889 GHz	-40.71 dBm	-27.71 dB
3.549 GHz	3.550 GHz	300.000 kHz	3.54976 GHz	-41.67 dBm	-28.67 dB
3.550 GHz	3.575 GHz	100.000 kHz	3.57396 GHz	6.47 dBm	-23.53 dB
3.575 GHz	3.576 GHz	300.000 kHz	3.57502 GHz	-37.13 dBm	-24.13 dB
3.576 GHz	3.585 GHz	1.000 MHz	3.57861 GHz	-43.05 dBm	-30.05 dB
3.585 GHz	3.710 GHz	1.000 MHz	3.59680 GHz	-41.62 dBm	-16.62 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71992 GHz	-48.50 dBm	-23.50 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74252 GHz	-48.54 dBm	-8.54 dB

Date: 5.MAY.2023 22:21:56

Middle Band Edge / 1RB0 and 1RB99

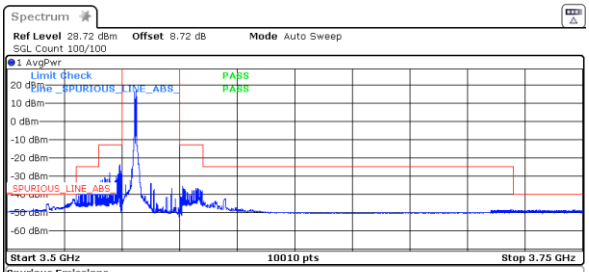


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51662 GHz	-49.20 dBm	-9.20 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53483 GHz	-48.93 dBm	-23.93 dB
3.540 GHz	3.603 GHz	1.000 MHz	3.59101 GHz	-38.35 dBm	-13.35 dB
3.603 GHz	3.612 GHz	1.000 MHz	3.61144 GHz	-34.52 dBm	-21.52 dB
3.612 GHz	3.613 GHz	300.000 kHz	3.61298 GHz	-26.49 dBm	-13.49 dB
3.613 GHz	3.638 GHz	100.000 kHz	3.63639 GHz	8.30 dBm	-21.70 dB
3.638 GHz	3.639 GHz	300.000 kHz	3.63801 GHz	-39.84 dBm	-26.84 dB
3.639 GHz	3.648 GHz	1.000 MHz	3.63911 GHz	-37.21 dBm	-24.21 dB
3.648 GHz	3.720 GHz	1.000 MHz	3.65947 GHz	-40.06 dBm	-15.06 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72106 GHz	-48.61 dBm	-8.61 dB

Date: 21.APR.2023 22:12:29

Lowest Band Edge / 1RB24 and 1RB0

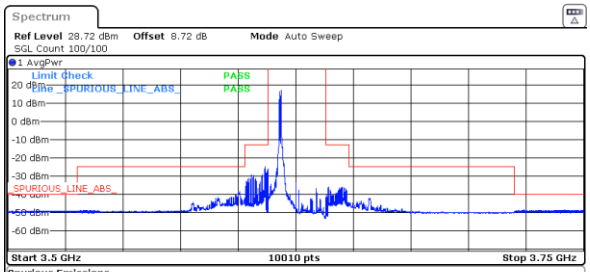


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52894 GHz	-42.46 dBm	-2.46 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53589 GHz	-34.41 dBm	-9.41 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54898 GHz	-23.65 dBm	-10.65 dB
3.549 GHz	3.550 GHz	300.000 kHz	3.54927 GHz	-27.41 dBm	-14.41 dB
3.550 GHz	3.575 GHz	100.000 kHz	3.55611 GHz	16.82 dBm	-13.18 dB
3.575 GHz	3.576 GHz	300.000 kHz	3.57541 GHz	-41.29 dBm	-28.29 dB
3.576 GHz	3.585 GHz	1.000 MHz	3.57612 GHz	-35.71 dBm	-22.71 dB
3.585 GHz	3.710 GHz	1.000 MHz	3.59455 GHz	-42.53 dBm	-17.53 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71877 GHz	-48.53 dBm	-23.53 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.74651 GHz	-48.52 dBm	-8.52 dB

Date: 21.APR.2023 21:52:45

Middle Band Edge / 1RB24 and 1RB0

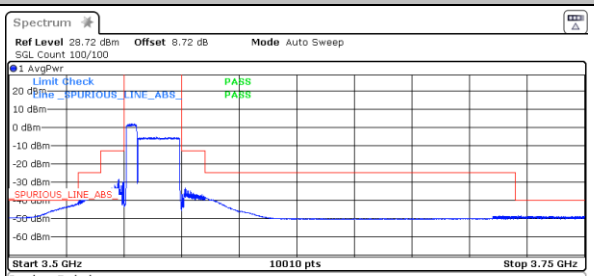


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52309 GHz	-49.09 dBm	-9.09 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53621 GHz	-48.77 dBm	-23.77 dB
3.540 GHz	3.603 GHz	1.000 MHz	3.60007 GHz	-38.45 dBm	-13.45 dB
3.603 GHz	3.612 GHz	1.000 MHz	3.61173 GHz	-24.70 dBm	-11.70 dB
3.612 GHz	3.613 GHz	300.000 kHz	3.61291 GHz	-26.07 dBm	-13.07 dB
3.613 GHz	3.638 GHz	100.000 kHz	3.61861 GHz	17.01 dBm	-12.99 dB
3.638 GHz	3.639 GHz	300.000 kHz	3.63831 GHz	-40.48 dBm	-27.48 dB
3.639 GHz	3.648 GHz	1.000 MHz	3.63916 GHz	-36.09 dBm	-23.09 dB
3.648 GHz	3.720 GHz	1.000 MHz	3.65717 GHz	-42.13 dBm	-17.13 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72415 GHz	-48.48 dBm	-8.48 dB

Date: 21.APR.2023 22:22:18

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52993 GHz	-41.59 dBm	-1.59 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53812 GHz	-35.12 dBm	-10.12 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54774 GHz	-28.45 dBm	-15.45 dB
3.549 GHz	3.550 GHz	300.000 kHz	3.54994 GHz	-29.45 dBm	-16.45 dB
3.550 GHz	3.575 GHz	100.000 kHz	3.55358 GHz	1.84 dBm	-28.16 dB
3.575 GHz	3.576 GHz	300.000 kHz	3.57525 GHz	-36.74 dBm	-23.74 dB
3.576 GHz	3.585 GHz	1.000 MHz	3.57650 GHz	-33.40 dBm	-20.40 dB
3.585 GHz	3.710 GHz	1.000 MHz	3.58531 GHz	-38.64 dBm	-13.64 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71286 GHz	-48.56 dBm	-23.56 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72250 GHz	-48.51 dBm	-8.51 dB

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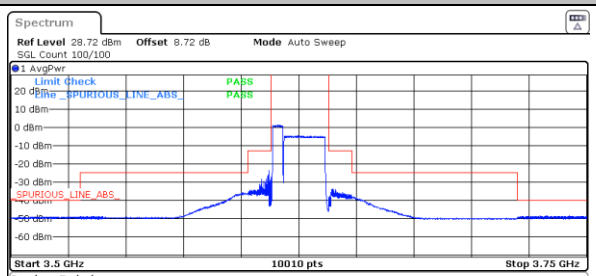
Middle Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52060 GHz	-49.08 dBm	-9.08 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53976 GHz	-48.69 dBm	-23.69 dB
3.540 GHz	3.603 GHz	1.000 MHz	3.60058 GHz	-35.88 dBm	-10.88 dB
3.603 GHz	3.612 GHz	1.000 MHz	3.61195 GHz	-23.87 dBm	-10.87 dB
3.612 GHz	3.613 GHz	300.000 kHz	3.61285 GHz	-27.14 dBm	-14.14 dB
3.613 GHz	3.638 GHz	100.000 kHz	3.61603 GHz	1.26 dBm	-28.74 dB
3.638 GHz	3.639 GHz	300.000 kHz	3.63828 GHz	-37.68 dBm	-24.68 dB
3.639 GHz	3.648 GHz	1.000 MHz	3.63971 GHz	-33.75 dBm	-20.75 dB
3.648 GHz	3.720 GHz	1.000 MHz	3.64825 GHz	-37.93 dBm	-12.93 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72973 GHz	-48.55 dBm	-8.55 dB

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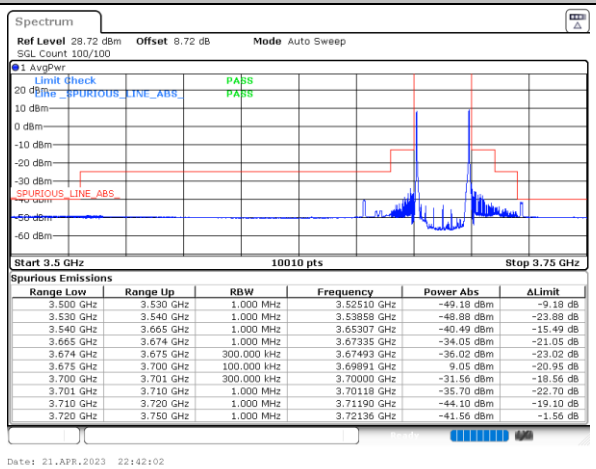
LTE Band 48C / 5MHz+20MHz

QPSK

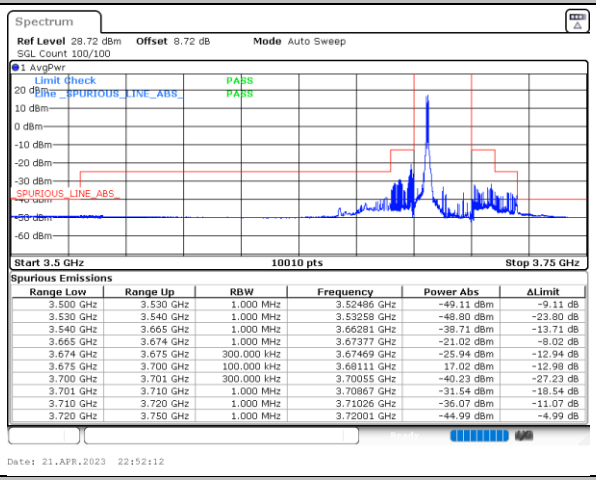
Highest Band Edge / 1RB0 and 1RB99	N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52510 GHz	-49.18 dBm	-9.18 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53858 GHz	-48.88 dBm	-23.88 dB
3.540 GHz	3.665 GHz	1.000 MHz	3.65307 GHz	-40.49 dBm	-15.49 dB
3.665 GHz	3.674 GHz	1.000 MHz	3.67335 GHz	-34.05 dBm	-21.05 dB
3.674 GHz	3.675 GHz	300.000 kHz	3.67493 GHz	-36.02 dBm	-23.02 dB
3.675 GHz	3.700 GHz	100.000 kHz	3.69891 GHz	9.05 dBm	-20.95 dB
3.700 GHz	3.701 GHz	300.000 kHz	3.70000 GHz	-31.56 dBm	-18.56 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70118 GHz	-35.70 dBm	-22.70 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71190 GHz	-44.10 dBm	-19.10 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72136 GHz	-41.56 dBm	-1.56 dB

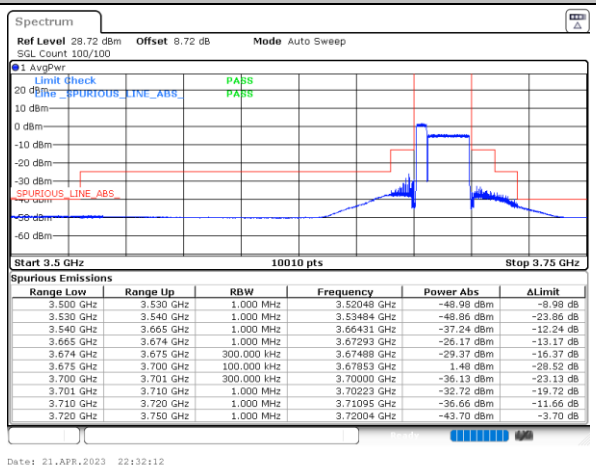
Highest Band Edge / 1RB24 and 1RB0	N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52486 GHz	-49.11 dBm	-9.11 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53258 GHz	-48.80 dBm	-23.80 dB
3.540 GHz	3.665 GHz	1.000 MHz	3.66281 GHz	-38.71 dBm	-13.71 dB
3.665 GHz	3.674 GHz	1.000 MHz	3.67377 GHz	-21.02 dBm	-8.02 dB
3.674 GHz	3.675 GHz	300.000 kHz	3.67469 GHz	-25.94 dBm	-12.94 dB
3.675 GHz	3.700 GHz	100.000 kHz	3.68111 GHz	17.02 dBm	-12.98 dB
3.700 GHz	3.701 GHz	300.000 kHz	3.70055 GHz	-40.23 dBm	-27.23 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70867 GHz	-31.54 dBm	-18.54 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71026 GHz	-36.07 dBm	-11.07 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72001 GHz	-44.99 dBm	-4.99 dB

Highest Band Edge / Full RB	N/A



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52048 GHz	-48.98 dBm	-8.98 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53484 GHz	-48.86 dBm	-23.86 dB
3.540 GHz	3.665 GHz	1.000 MHz	3.66431 GHz	-37.24 dBm	-12.24 dB
3.665 GHz	3.674 GHz	1.000 MHz	3.67293 GHz	-26.17 dBm	-13.17 dB
3.674 GHz	3.675 GHz	300.000 kHz	3.67488 GHz	-29.37 dBm	-16.37 dB
3.675 GHz	3.700 GHz	100.000 kHz	3.67853 GHz	1.48 dBm	-28.52 dB
3.700 GHz	3.701 GHz	300.000 kHz	3.70000 GHz	-36.13 dBm	-23.13 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70223 GHz	-32.72 dBm	-19.72 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71095 GHz	-36.66 dBm	-11.66 dB
3.720 GHz	3.750 GHz	1.000 MHz	3.72004 GHz	-43.70 dBm	-3.70 dB