

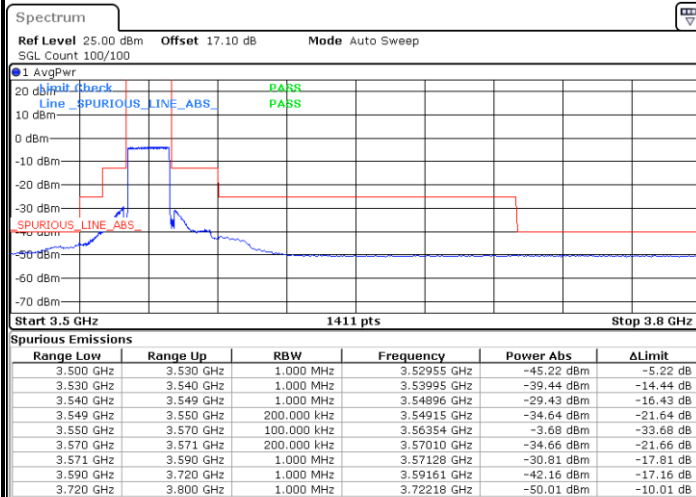


LTE Band 48 / 20MHz

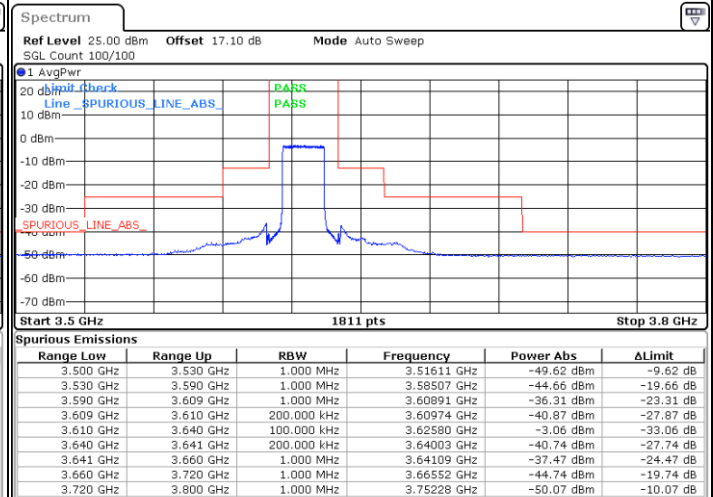
QPSK

Lowest Channel / FullIRB

Middle Channel / FullIRB



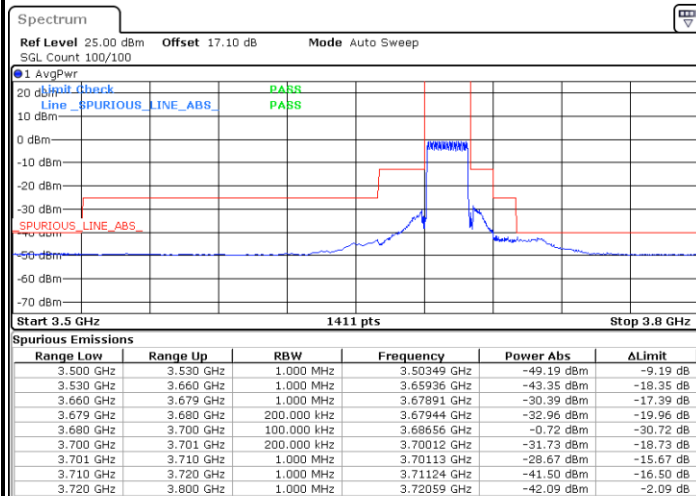
Date: 17.JUL.2024 11:32:01



Date: 17.JUL.2024 11:32:55

Highest Channel / FullIRB

N/A



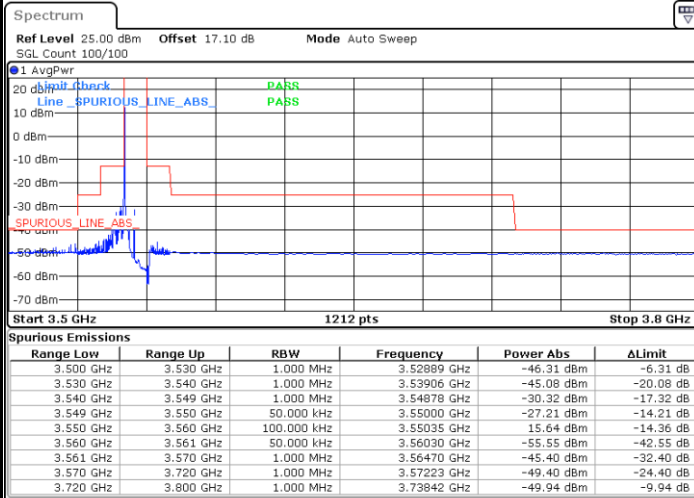
Date: 24.JUL.2024 15:01:07



LTE Band 48 / 5MHz

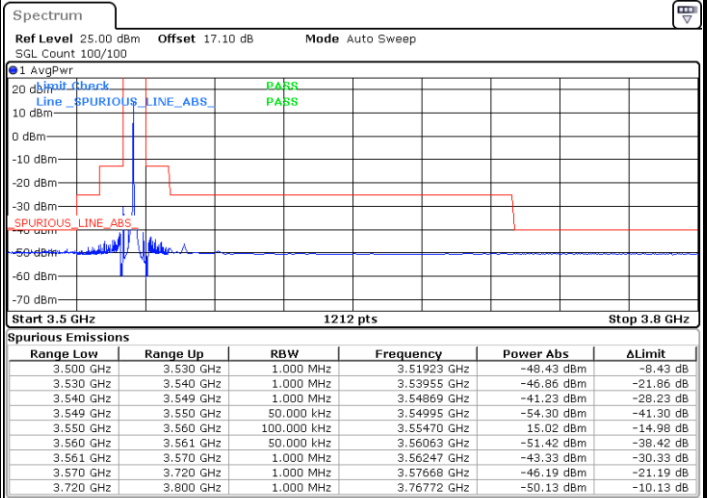
16QAM

Lowest Channel / 1RB0



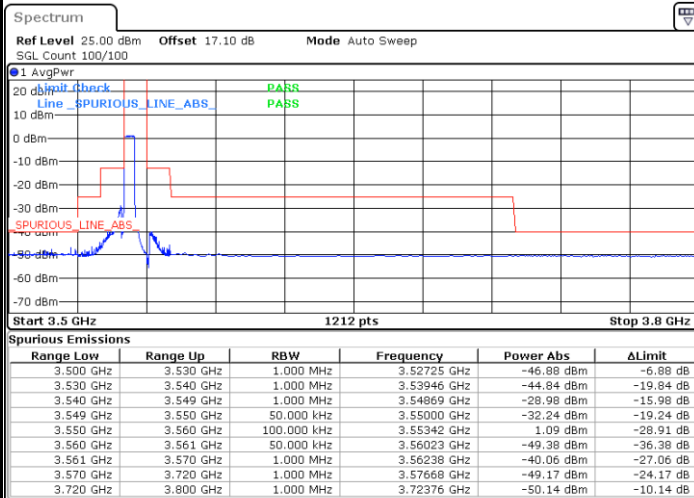
Date: 17.JUL.2024 10:48:31

Lowest Channel / 1RBmax



Date: 17.JUL.2024 11:04:35

Lowest Channel / FullIRB



Date: 17.JUL.2024 10:56:33

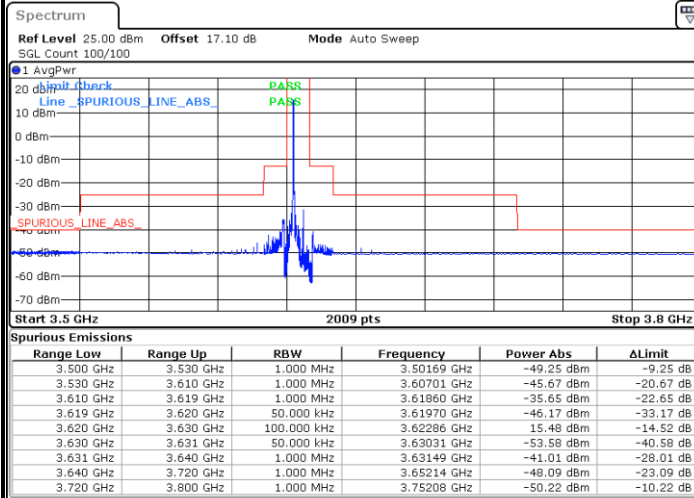
N/A



LTE Band 48 / 5MHz

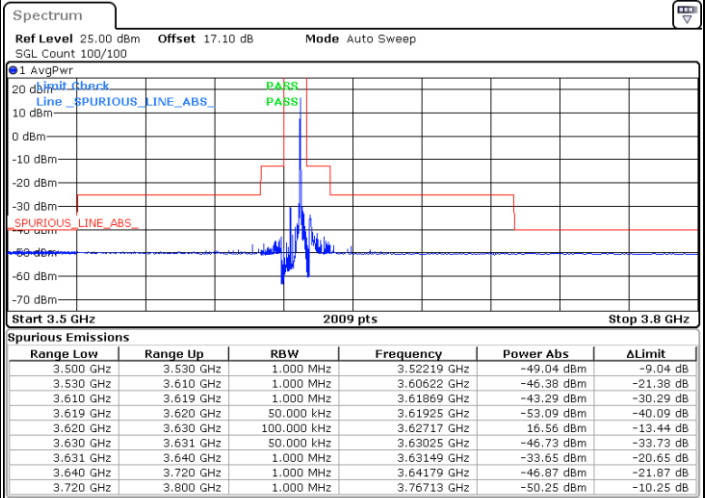
16QAM

Middle Channel / 1RB0



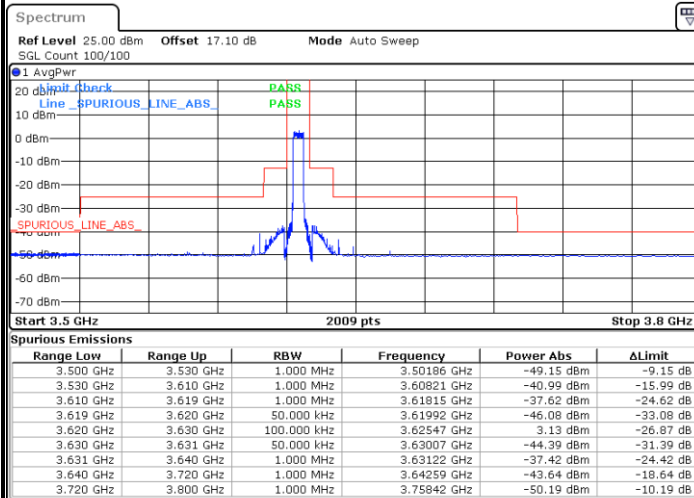
Date: 17.JUL.2024 10:51:11

Middle Channel / 1RBmax



Date: 17.JUL.2024 11:07:15

Middle Channel / FullRB



Date: 17.JUL.2024 10:59:13

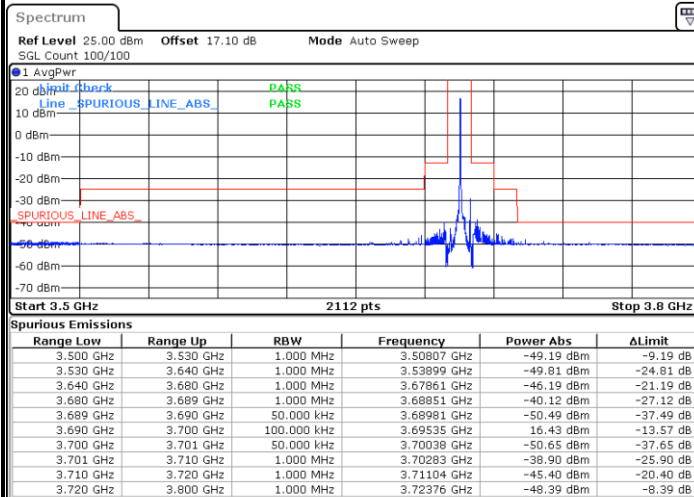
N/A



LTE Band 48 / 5MHz

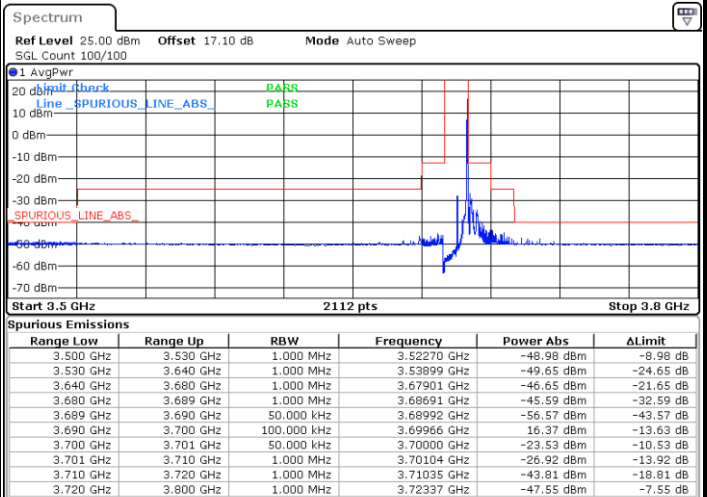
16QAM

Highest Channel / 1RB0



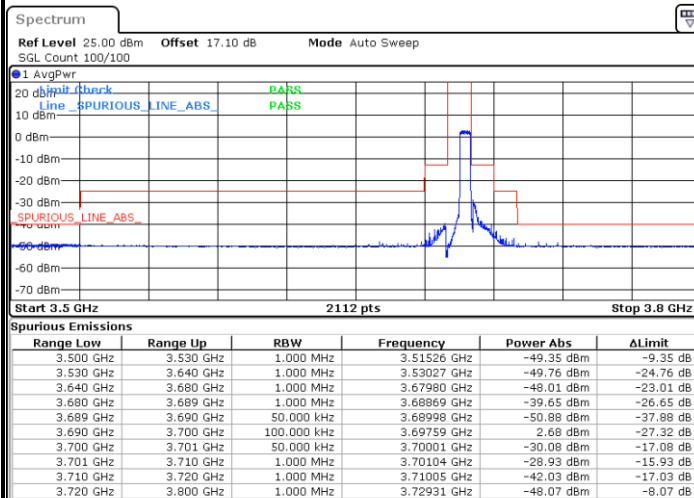
Date: 17.JUL.2024 10:53:51

Highest Channel / 1RBmax



Date: 17.JUL.2024 11:10:12

Highest Channel / FullRB



Date: 17.JUL.2024 11:01:53

N/A

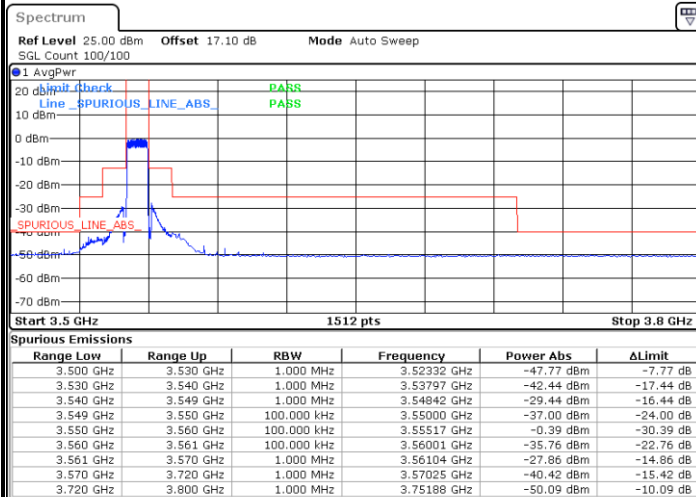


LTE Band 48 / 10MHz

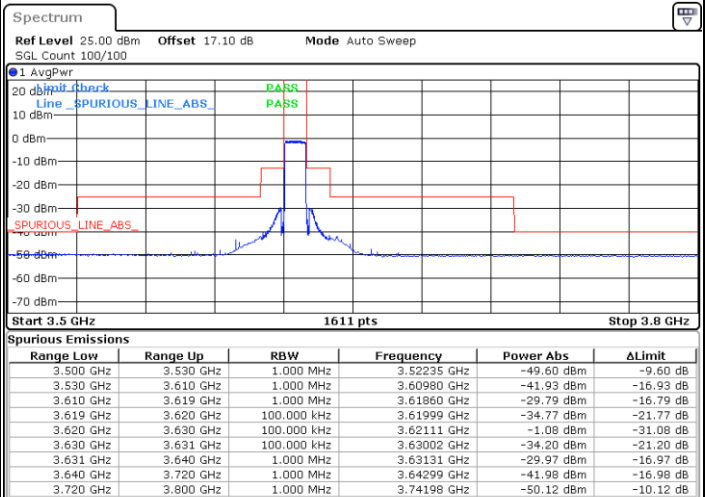
16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



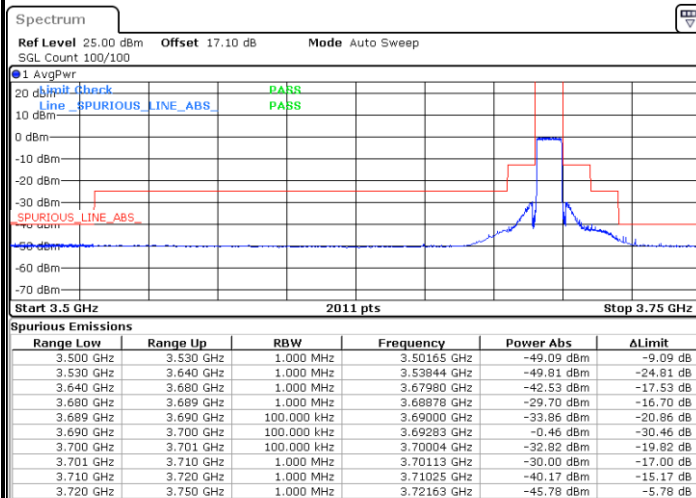
Date: 17.JUL.2024 11:13:36



Date: 17.JUL.2024 11:16:17

Highest Channel / FullIRB

N/A



Date: 17.JUL.2024 11:18:57

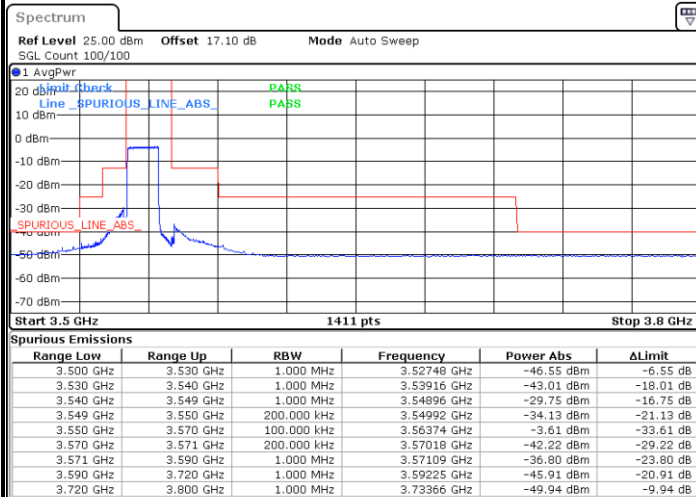


LTE Band 48 / 15MHz

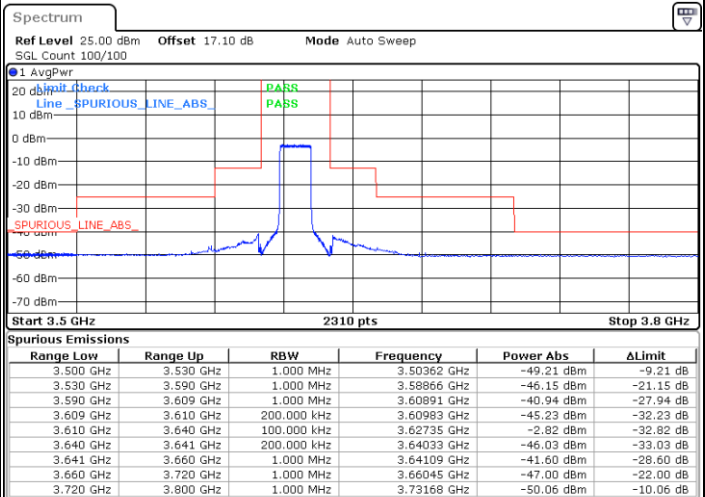
16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



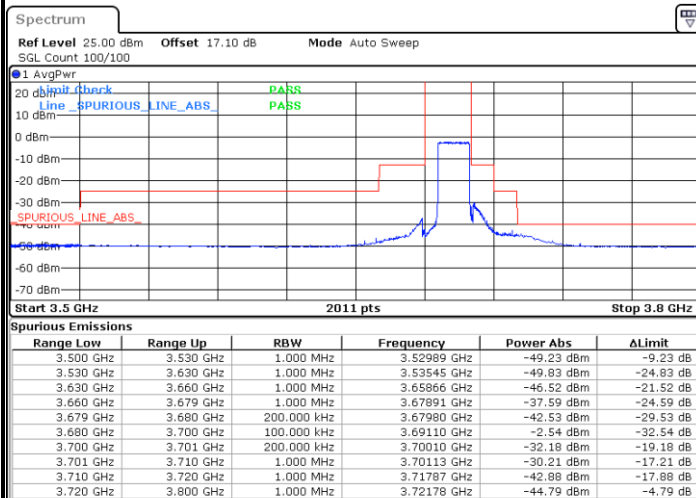
Date: 17.JUL.2024 11:22:21



Date: 17.JUL.2024 11:25:02

Highest Channel / FullIRB

N/A



Date: 17.JUL.2024 11:27:42



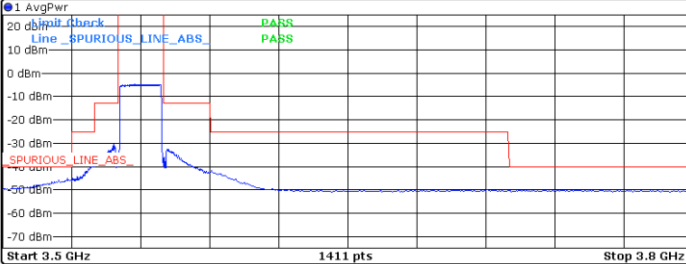
LTE Band 48 / 20MHz

16QAM

Lowest Channel / FullIRB

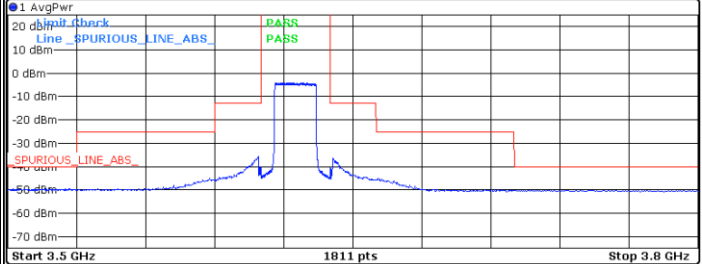
Middle Channel / FullIRB

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52837 GHz	-44.91 dBm	-4.91 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53965 GHz	-38.97 dBm	-13.97 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54815 GHz	-30.60 dBm	-17.60 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54998 GHz	-36.69 dBm	-23.69 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55736 GHz	-4.76 dBm	-34.76 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57012 GHz	-35.90 dBm	-22.90 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57128 GHz	-32.66 dBm	-19.66 dB
3.590 GHz	3.720 GHz	1.000 MHz	3.59097 GHz	-41.76 dBm	-16.76 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.72772 GHz	-50.17 dBm	-10.17 dB

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51671 GHz	-49.61 dBm	-9.61 dB
3.530 GHz	3.590 GHz	1.000 MHz	3.58776 GHz	-45.07 dBm	-20.07 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60891 GHz	-35.73 dBm	-22.73 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60994 GHz	-40.10 dBm	-27.10 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62290 GHz	-4.12 dBm	-34.12 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64000 GHz	-40.48 dBm	-27.48 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-36.30 dBm	-23.30 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66104 GHz	-45.17 dBm	-20.17 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.77683 GHz	-50.11 dBm	-10.11 dB

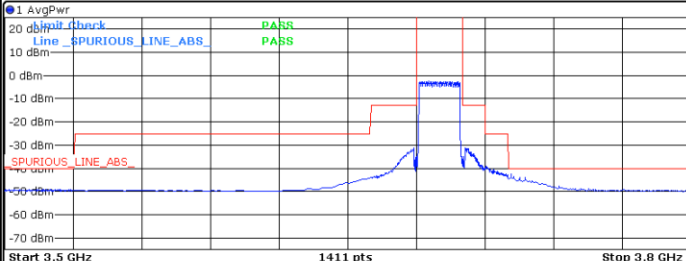
Date: 17.JUL.2024 11:31:07

Date: 17.JUL.2024 11:33:48

Highest Channel / FullIRB

N/A

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50052 GHz	-49.15 dBm	-9.15 dB
3.530 GHz	3.660 GHz	1.000 MHz	3.65936 GHz	-44.26 dBm	-19.26 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67891 GHz	-31.25 dBm	-18.25 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67993 GHz	-34.87 dBm	-21.87 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68531 GHz	-2.51 dBm	-32.51 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70037 GHz	-34.95 dBm	-21.95 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70104 GHz	-31.01 dBm	-18.01 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71035 GHz	-39.17 dBm	-14.17 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.72139 GHz	-42.54 dBm	-2.54 dB

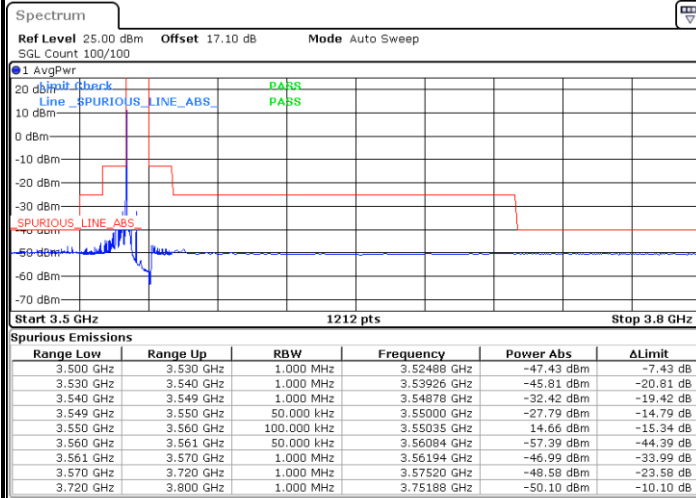
Date: 24.JUL.2024 15:02:25



LTE Band 48 / 5MHz

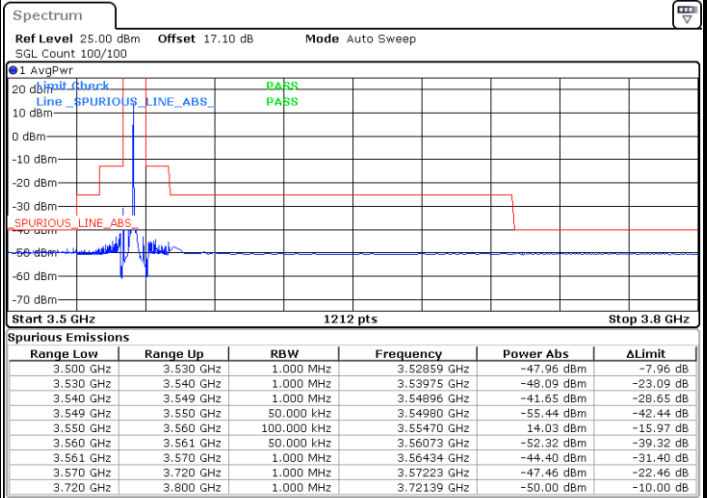
64QAM

Lowest Channel / 1RB0



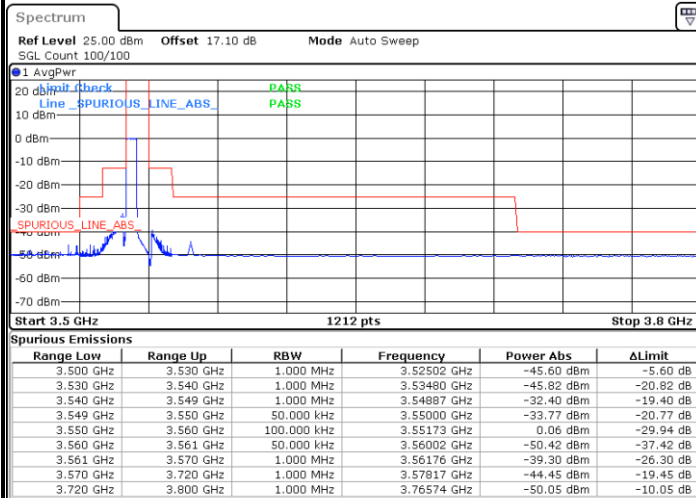
Date: 17.JUL.2024 10:49:25

Lowest Channel / 1RBmax



Date: 17.JUL.2024 11:05:28

Lowest Channel / FullIRB



Date: 17.JUL.2024 10:57:26

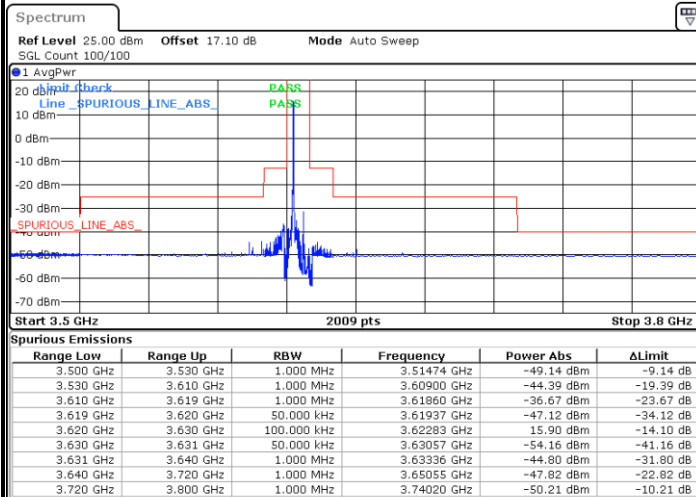
N/A



LTE Band 48 / 5MHz

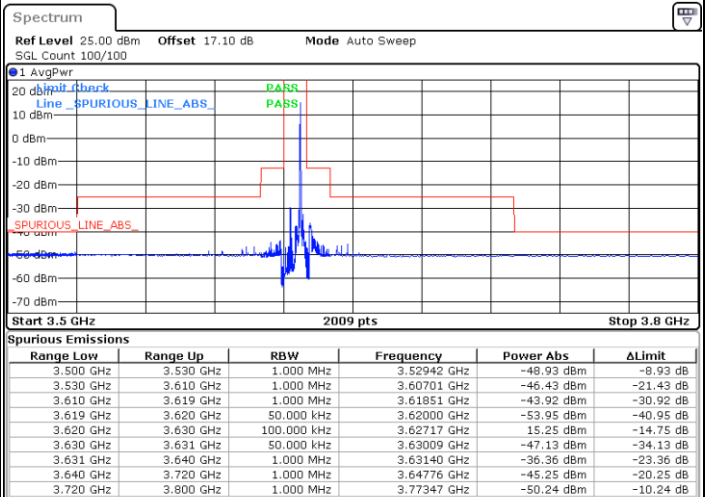
64QAM

Middle Channel / 1RB0



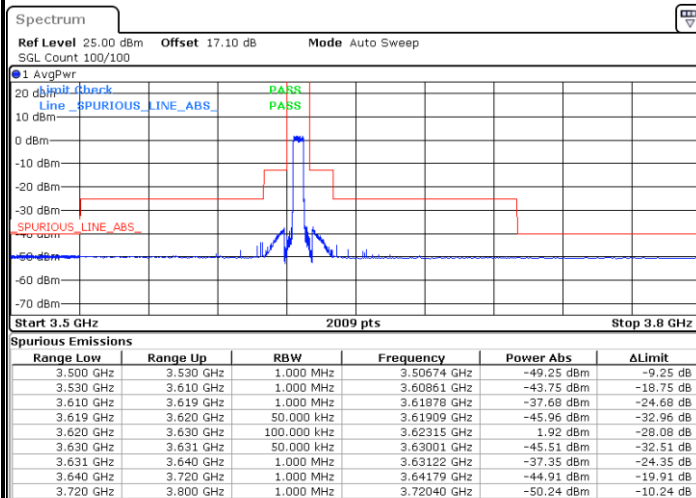
Date: 17.JUL.2024 10:50:18

Middle Channel / 1RBmax



Date: 17.JUL.2024 11:06:22

Middle Channel / FullRB



Date: 17.JUL.2024 10:58:20

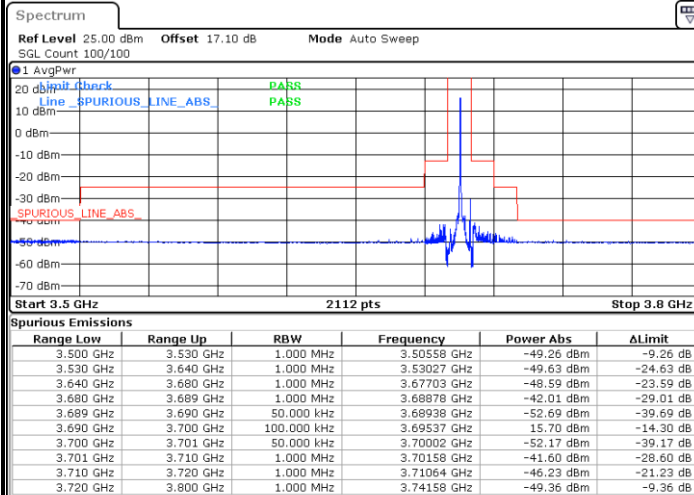
N/A



LTE Band 48 / 5MHz

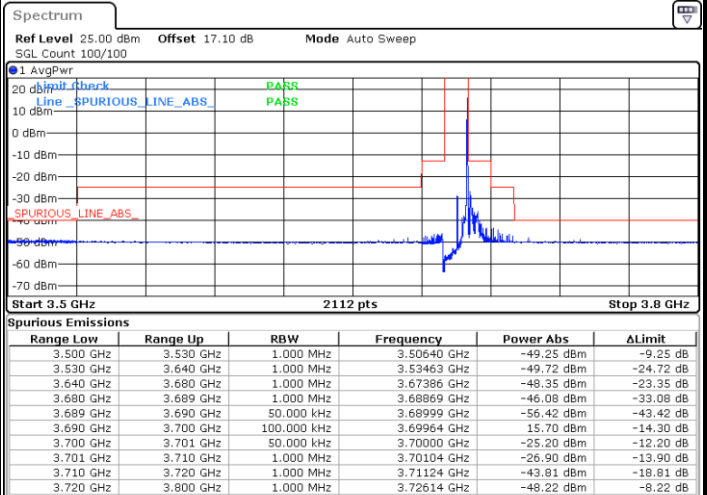
64QAM

Highest Channel / 1RB0



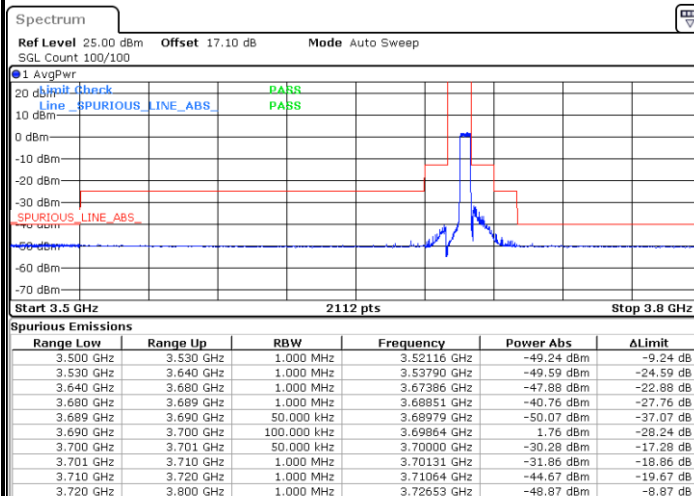
Date: 17.JUL.2024 10:54:45

Highest Channel / 1RBmax



Date: 17.JUL.2024 11:11:06

Highest Channel / FullRB



Date: 17.JUL.2024 11:02:47

N/A

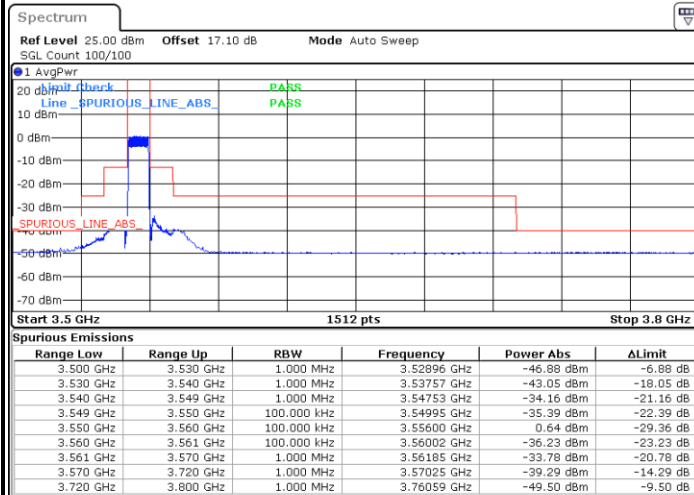


LTE Band 48 / 10MHz

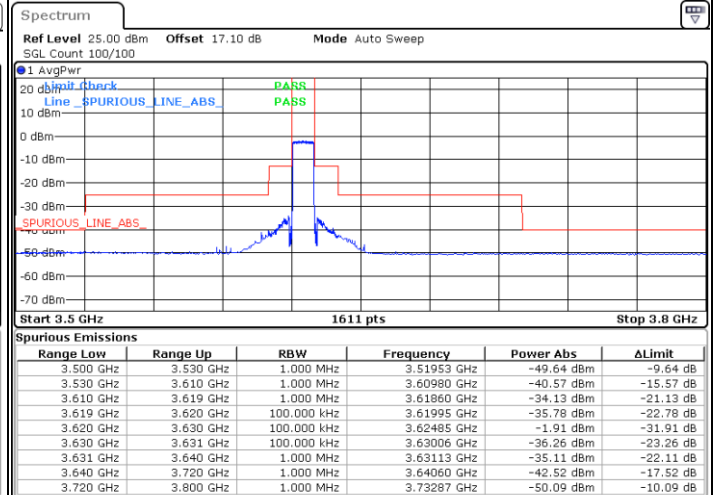
64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



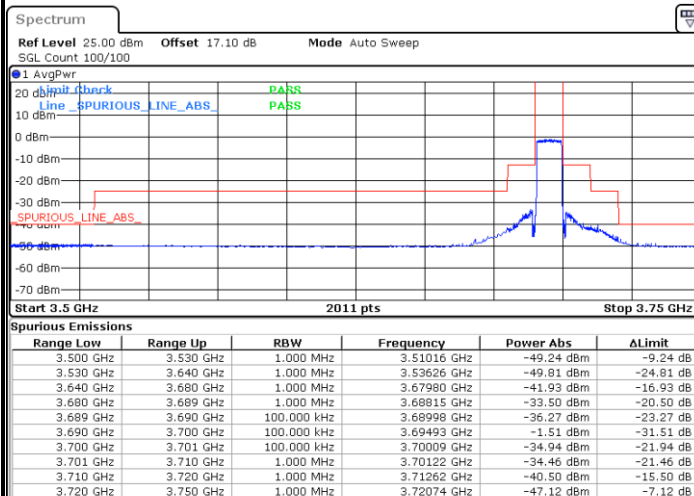
Date: 24.JUL.2024 15:04:05



Date: 17.JUL.2024 11:17:10

Highest Channel / FullIRB

N/A



Date: 17.JUL.2024 11:18:03



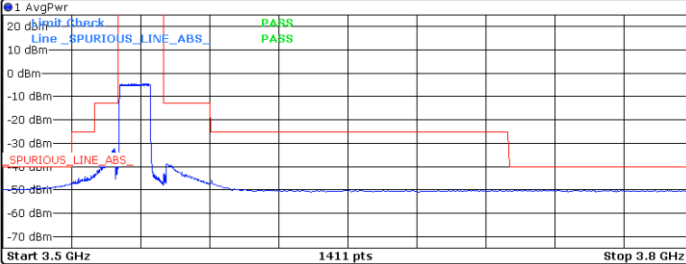
LTE Band 48 / 15MHz

64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

Spectrum

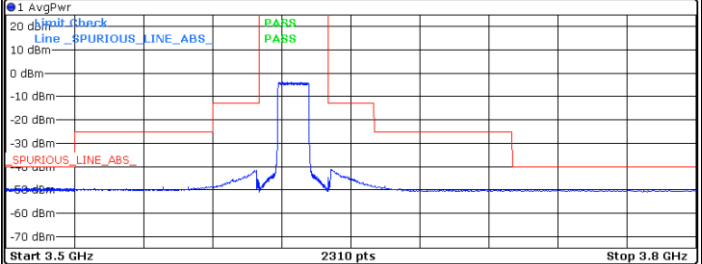
Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52985 GHz	-47.40 dBm	-7.40 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53975 GHz	-43.63 dBm	-18.63 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54851 GHz	-32.23 dBm	-19.23 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54998 GHz	-35.82 dBm	-22.82 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55571 GHz	-4.61 dBm	-34.61 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57046 GHz	-43.11 dBm	-30.11 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57128 GHz	-38.93 dBm	-25.93 dB
3.590 GHz	3.720 GHz	1.000 MHz	3.59097 GHz	-45.69 dBm	-20.69 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.73644 GHz	-50.07 dBm	-10.07 dB

Date: 17.JUL.2024 11:23:15

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

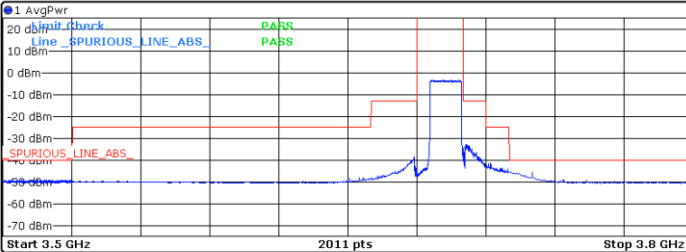
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50867 GHz	-49.34 dBm	-9.34 dB
3.530 GHz	3.590 GHz	1.000 MHz	3.58955 GHz	-48.69 dBm	-23.69 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60891 GHz	-41.67 dBm	-28.67 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60947 GHz	-45.45 dBm	-32.45 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62036 GHz	-3.85 dBm	-33.85 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64005 GHz	-44.59 dBm	-31.59 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64128 GHz	-41.26 dBm	-28.26 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66045 GHz	-48.47 dBm	-23.47 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.73881 GHz	-50.08 dBm	-10.08 dB

Date: 17.JUL.2024 11:24:09

Highest Channel / FullIRB

N/A

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50071 GHz	-49.30 dBm	-9.30 dB
3.530 GHz	3.630 GHz	1.000 MHz	3.53347 GHz	-49.82 dBm	-24.82 dB
3.630 GHz	3.660 GHz	1.000 MHz	3.65480 GHz	-48.27 dBm	-23.27 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67872 GHz	-38.73 dBm	-25.73 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67937 GHz	-42.95 dBm	-29.95 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69085 GHz	-3.46 dBm	-33.46 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70028 GHz	-34.74 dBm	-21.74 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70149 GHz	-33.07 dBm	-20.07 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71203 GHz	-41.42 dBm	-16.42 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.72020 GHz	-45.26 dBm	-5.26 dB

Date: 17.JUL.2024 11:28:36



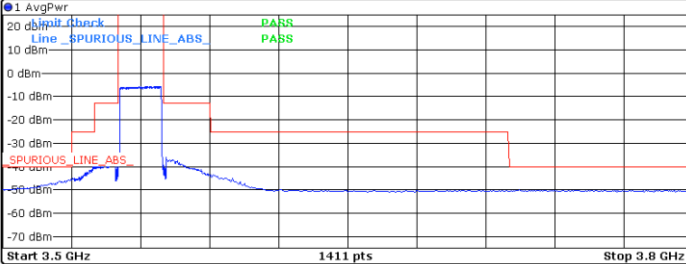
LTE Band 48 / 20MHz

64QAM

Lowest Channel / FullIRB

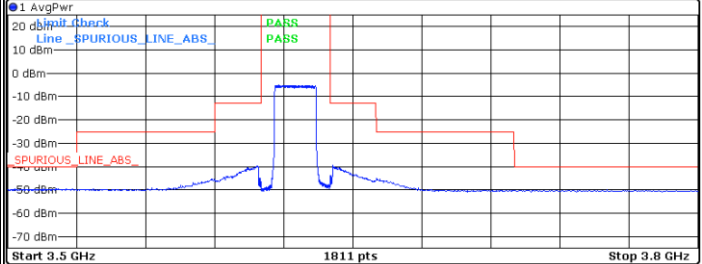
Middle Channel / FullIRB

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52955 GHz	-45.47 dBm	-5.47 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53955 GHz	-39.96 dBm	-14.96 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54842 GHz	-35.81 dBm	-22.81 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54998 GHz	-38.49 dBm	-25.49 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56698 GHz	-5.74 dBm	-35.74 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57003 GHz	-39.37 dBm	-26.37 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-36.05 dBm	-23.05 dB
3.590 GHz	3.720 GHz	1.000 MHz	3.59032 GHz	-43.36 dBm	-18.36 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.72455 GHz	-49.99 dBm	-9.99 dB

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52101 GHz	-49.58 dBm	-9.58 dB
3.530 GHz	3.590 GHz	1.000 MHz	3.58955 GHz	-45.41 dBm	-20.41 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60853 GHz	-39.62 dBm	-26.62 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60987 GHz	-45.01 dBm	-32.01 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.61781 GHz	-4.97 dBm	-34.97 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64033 GHz	-43.94 dBm	-30.94 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64109 GHz	-39.54 dBm	-26.54 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66015 GHz	-45.15 dBm	-20.15 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.76059 GHz	-50.04 dBm	-10.04 dB

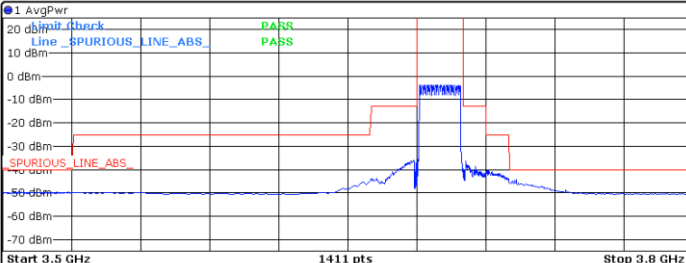
Date: 17.JUL.2024 11:30:13

Date: 17.JUL.2024 11:34:41

Highest Channel / FullIRB

N/A

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50795 GHz	-49.53 dBm	-9.53 dB
3.530 GHz	3.660 GHz	1.000 MHz	3.65936 GHz	-45.07 dBm	-20.07 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67853 GHz	-36.20 dBm	-23.20 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67994 GHz	-36.85 dBm	-23.85 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68815 GHz	-3.72 dBm	-33.72 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70001 GHz	-39.69 dBm	-26.69 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70113 GHz	-36.30 dBm	-23.30 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71054 GHz	-40.23 dBm	-15.23 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.72337 GHz	-44.40 dBm	-4.40 dB

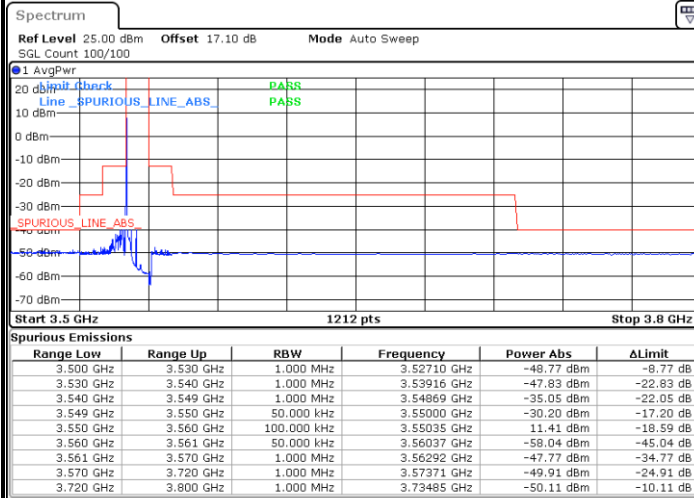
Date: 17.JUL.2024 11:35:35



LTE Band 48 / 5MHz

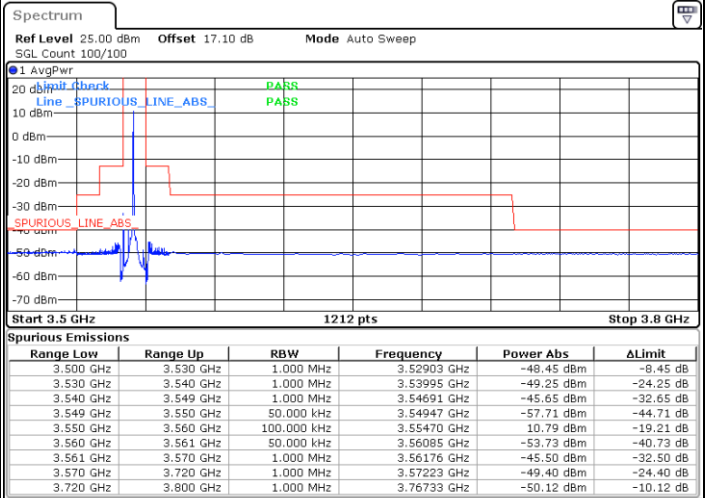
256QAM

Lowest Channel / 1RB0



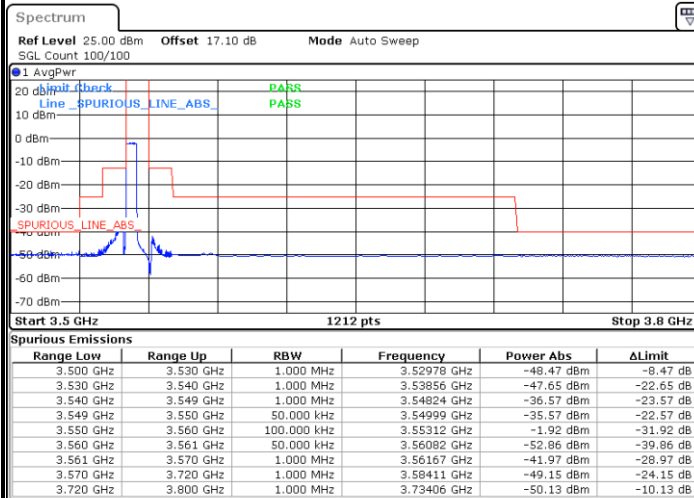
Date: 17.JUL.2024 11:56:48

Lowest Channel / 1RBmax



Date: 17.JUL.2024 12:02:14

Lowest Channel / FullIRB



Date: 17.JUL.2024 11:59:31

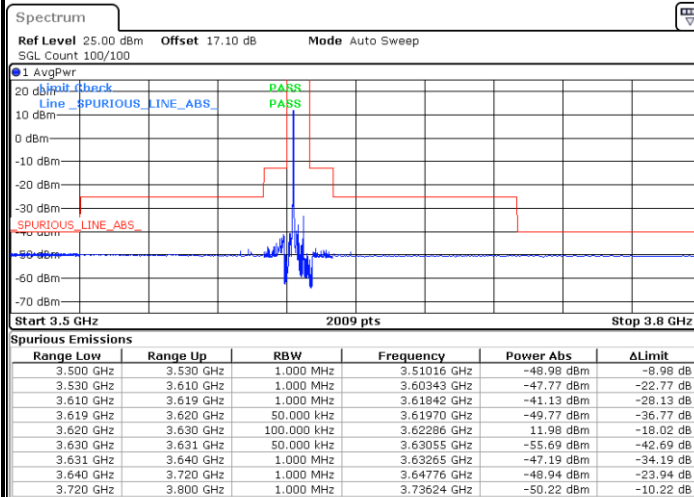
N/A



LTE Band 48 / 5MHz

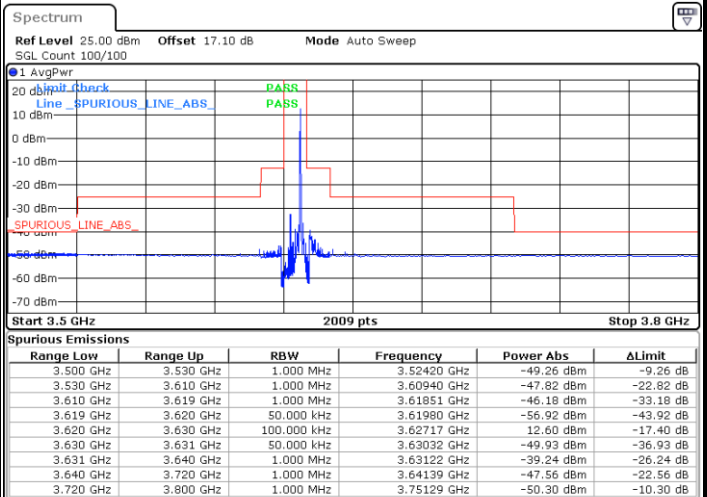
256QAM

Middle Channel / 1RB0



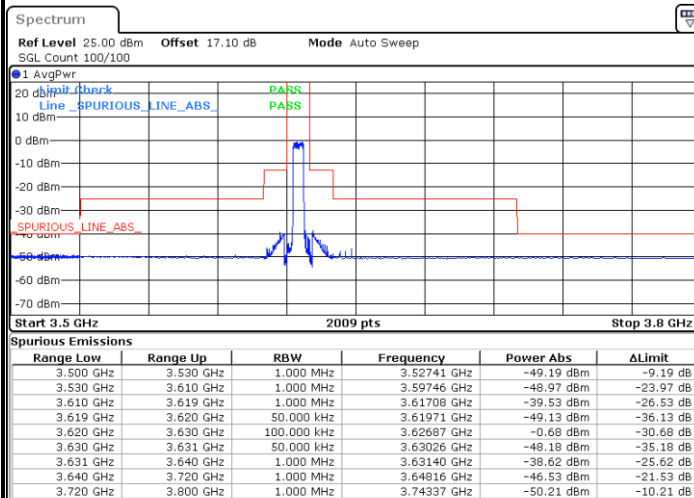
Date: 17.JUL.2024 11:57:41

Middle Channel / 1RBmax



Date: 17.JUL.2024 12:03:08

Middle Channel / FullRB



Date: 17.JUL.2024 12:00:24

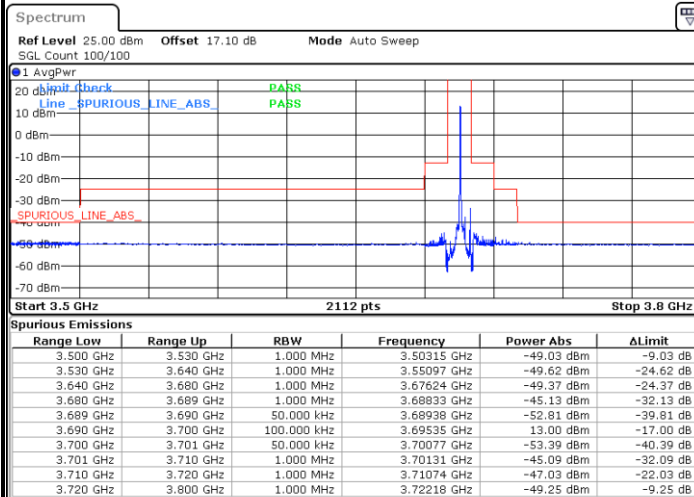
N/A



LTE Band 48 / 5MHz

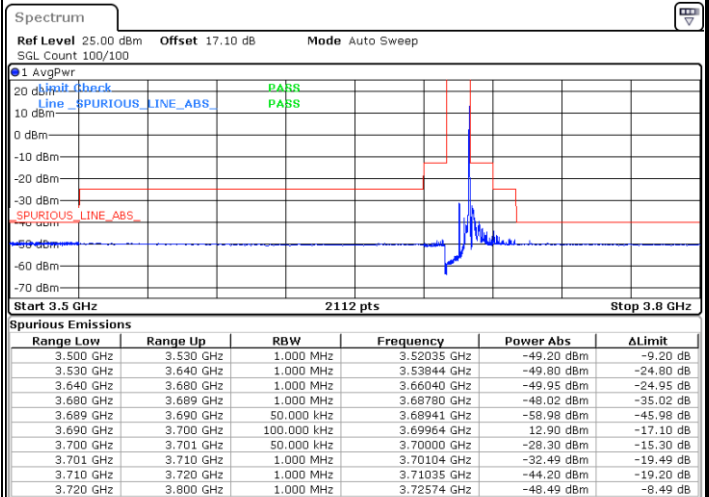
256QAM

Highest Channel / 1RB0



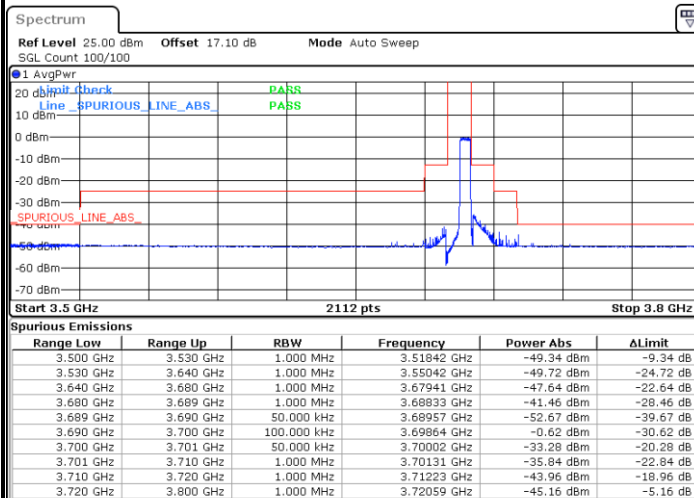
Date: 17.JUL.2024 11:58:34

Highest Channel / 1RBmax



Date: 17.JUL.2024 12:04:01

Highest Channel / FullRB



Date: 17.JUL.2024 12:01:18

N/A

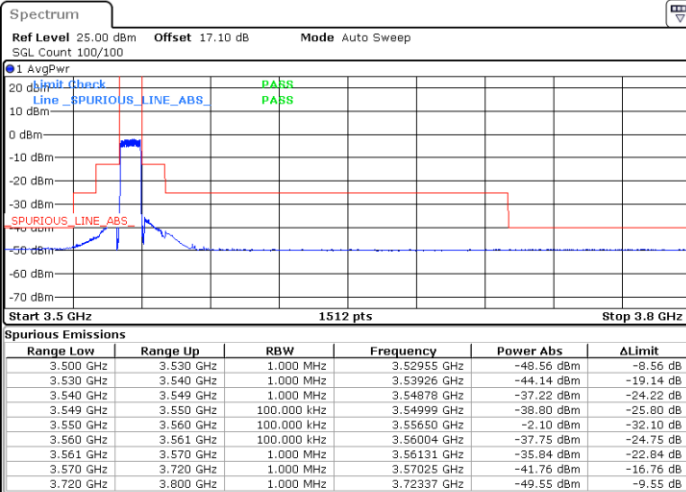


LTE Band 48 / 10MHz

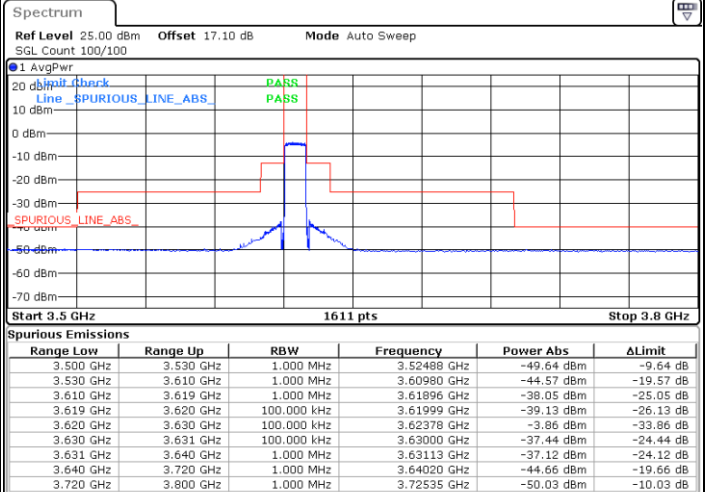
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



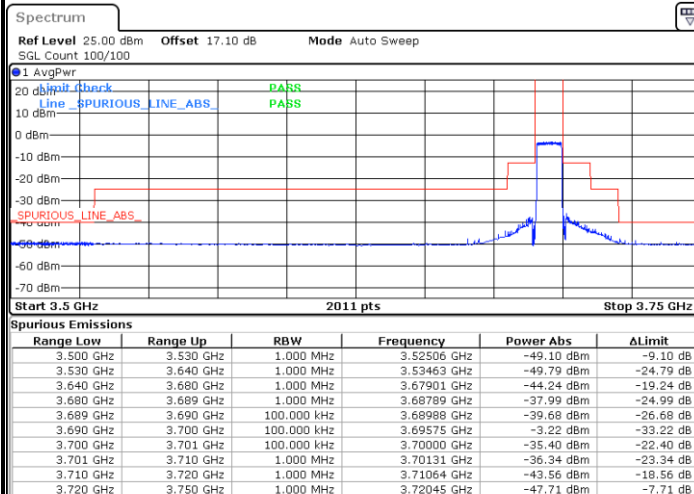
Date: 24.JUL.2024 15:05:27



Date: 17.JUL.2024 12:06:36

Highest Channel / FullIRB

N/A



Date: 17.JUL.2024 12:07:29



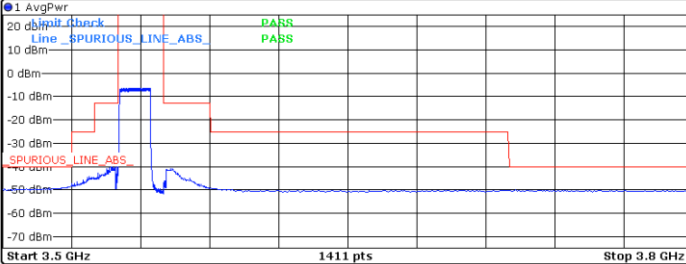
LTE Band 48 / 15MHz

256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

Spectrum

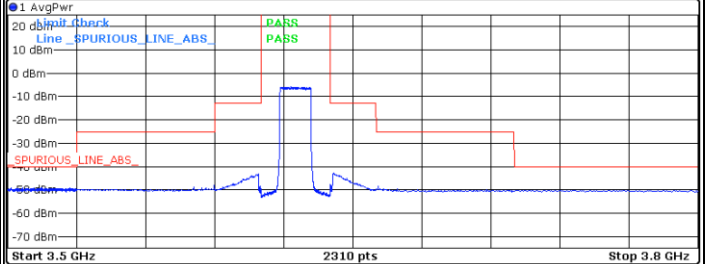
Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52985 GHz	-48.51 dBm	-8.51 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53777 GHz	-44.16 dBm	-19.16 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54700 GHz	-37.10 dBm	-24.10 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54997 GHz	-37.98 dBm	-24.98 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.56284 GHz	-6.32 dBm	-36.32 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57052 GHz	-45.99 dBm	-32.99 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57298 GHz	-40.77 dBm	-27.77 dB
3.590 GHz	3.720 GHz	1.000 MHz	3.59032 GHz	-49.18 dBm	-24.18 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.72297 GHz	-50.01 dBm	-10.01 dB

Date: 17.JUL.2024 12:09:11

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

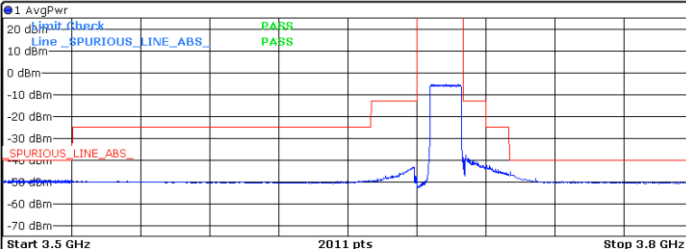
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51136 GHz	-49.18 dBm	-9.18 dB
3.530 GHz	3.590 GHz	1.000 MHz	3.58955 GHz	-48.06 dBm	-23.06 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60891 GHz	-43.05 dBm	-30.05 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60911 GHz	-48.45 dBm	-35.45 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62305 GHz	-5.83 dBm	-35.83 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64008 GHz	-47.79 dBm	-34.79 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64166 GHz	-42.89 dBm	-29.89 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66104 GHz	-48.30 dBm	-23.30 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.72139 GHz	-50.15 dBm	-10.15 dB

Date: 17.JUL.2024 12:10:04

Highest Channel / FullIRB

N/A

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51915 GHz	-49.32 dBm	-9.32 dB
3.530 GHz	3.630 GHz	1.000 MHz	3.55030 GHz	-49.85 dBm	-24.85 dB
3.630 GHz	3.660 GHz	1.000 MHz	3.65985 GHz	-49.46 dBm	-24.46 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67797 GHz	-43.30 dBm	-30.30 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67913 GHz	-47.34 dBm	-34.34 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.69788 GHz	-5.43 dBm	-35.43 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70021 GHz	-38.82 dBm	-25.82 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70113 GHz	-37.77 dBm	-24.77 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71163 GHz	-42.70 dBm	-17.70 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.72059 GHz	-45.50 dBm	-5.50 dB

Date: 17.JUL.2024 12:10:58



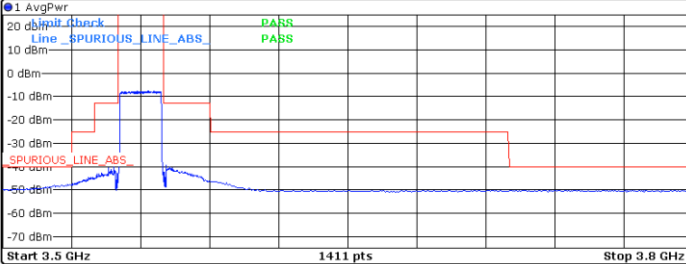
LTE Band 48 / 20MHz

256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

Spectrum

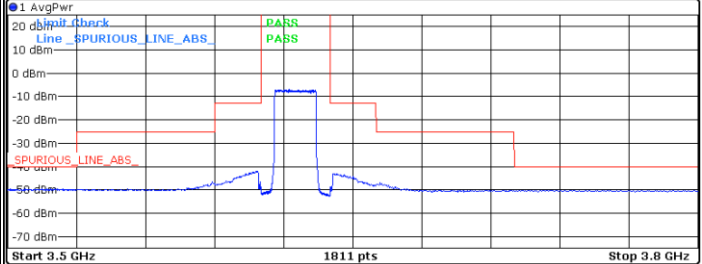
Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Start 3.5 GHz 1411 pts Stop 3.8 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52926 GHz	-47.69 dBm	-7.69 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53738 GHz	-44.68 dBm	-19.68 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54842 GHz	-39.73 dBm	-26.73 dB
3.549 GHz	3.550 GHz	200.000 kHz	3.54995 GHz	-42.78 dBm	-29.78 dB
3.550 GHz	3.570 GHz	100.000 kHz	3.55870 GHz	-7.60 dBm	-37.60 dB
3.570 GHz	3.571 GHz	200.000 kHz	3.57032 GHz	-42.27 dBm	-29.27 dB
3.571 GHz	3.590 GHz	1.000 MHz	3.57109 GHz	-39.33 dBm	-26.33 dB
3.590 GHz	3.720 GHz	1.000 MHz	3.59290 GHz	-46.38 dBm	-21.38 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.72653 GHz	-50.16 dBm	-10.16 dB

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Start 3.5 GHz 1811 pts Stop 3.8 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52042 GHz	-49.55 dBm	-9.55 dB
3.530 GHz	3.590 GHz	1.000 MHz	3.58896 GHz	-46.64 dBm	-21.64 dB
3.590 GHz	3.609 GHz	1.000 MHz	3.60853 GHz	-42.00 dBm	-29.00 dB
3.609 GHz	3.610 GHz	200.000 kHz	3.60972 GHz	-46.47 dBm	-33.47 dB
3.610 GHz	3.640 GHz	100.000 kHz	3.62210 GHz	-6.87 dBm	-36.87 dB
3.640 GHz	3.641 GHz	200.000 kHz	3.64072 GHz	-48.26 dBm	-35.26 dB
3.641 GHz	3.660 GHz	1.000 MHz	3.64109 GHz	-42.99 dBm	-29.99 dB
3.660 GHz	3.720 GHz	1.000 MHz	3.66164 GHz	-46.78 dBm	-21.78 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.72218 GHz	-50.15 dBm	-10.15 dB

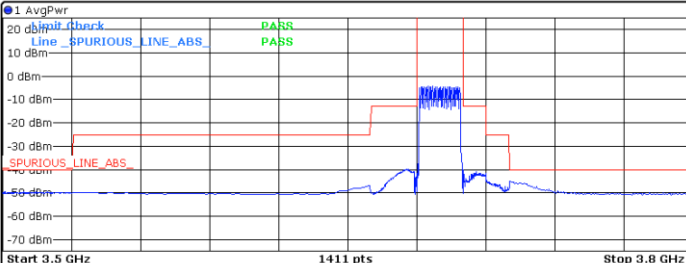
Date: 17.JUL.2024 12:12:40

Date: 17.JUL.2024 12:13:34

Highest Channel / FullIRB

N/A

Spectrum

Ref Level 25.00 dBm Offset 17.10 dB Mode Auto Sweep
SGL Count 100/100

Start 3.5 GHz 1411 pts Stop 3.8 GHz

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.50082 GHz	-49.66 dBm	-9.66 dB
3.530 GHz	3.660 GHz	1.000 MHz	3.65936 GHz	-47.02 dBm	-22.02 dB
3.660 GHz	3.679 GHz	1.000 MHz	3.67533 GHz	-39.87 dBm	-26.87 dB
3.679 GHz	3.680 GHz	200.000 kHz	3.67996 GHz	-41.53 dBm	-28.53 dB
3.680 GHz	3.700 GHz	100.000 kHz	3.68686 GHz	-4.37 dBm	-34.37 dB
3.700 GHz	3.701 GHz	200.000 kHz	3.70009 GHz	-40.15 dBm	-27.15 dB
3.701 GHz	3.710 GHz	1.000 MHz	3.70586 GHz	-41.07 dBm	-28.07 dB
3.710 GHz	3.720 GHz	1.000 MHz	3.71015 GHz	-44.49 dBm	-19.49 dB
3.720 GHz	3.800 GHz	1.000 MHz	3.72059 GHz	-45.01 dBm	-5.01 dB

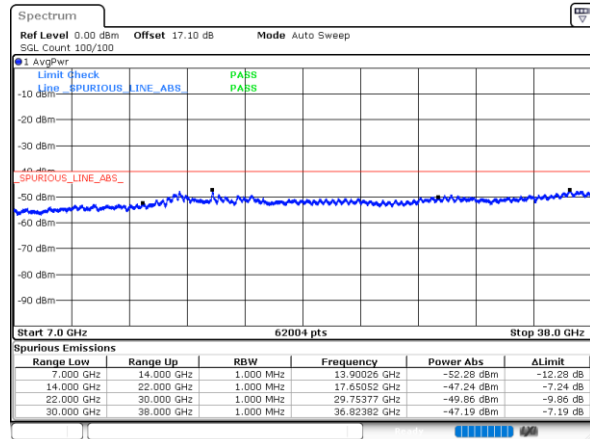
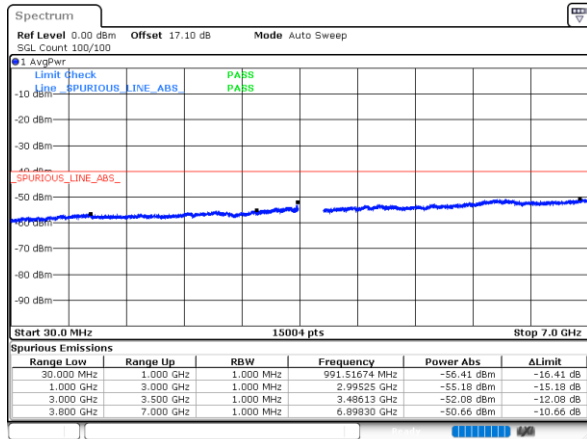
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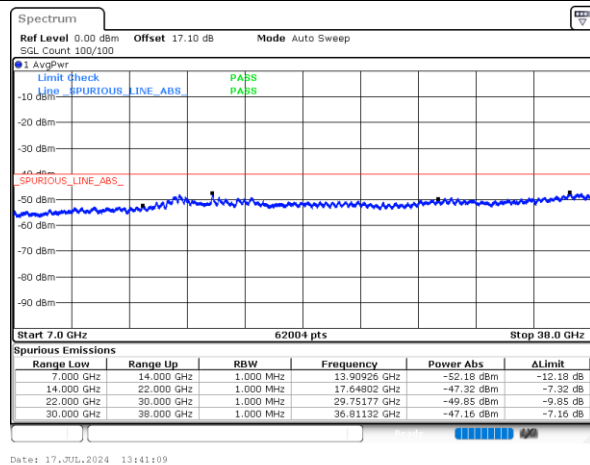
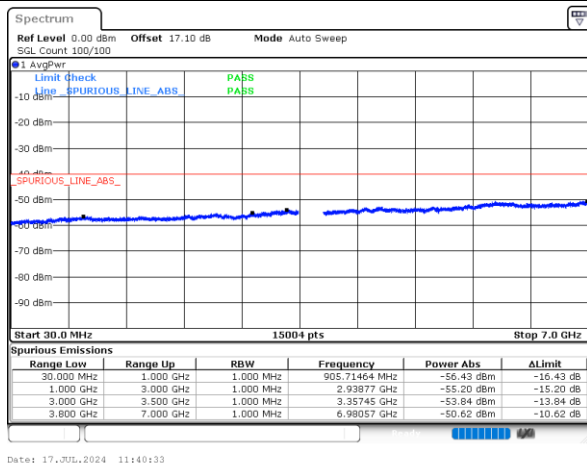
Conducted Spurious Emission

LTE Band 48 / 5MHz

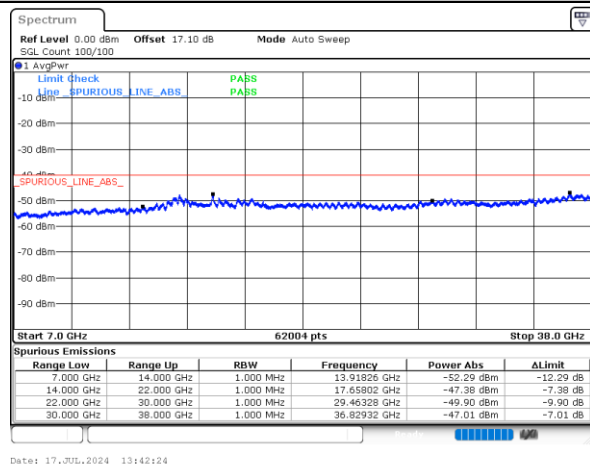
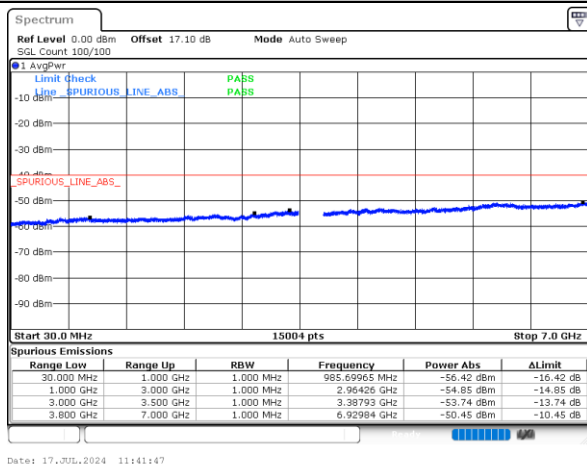
Lowest Channel / QPSK



Middle Channel / QPSK



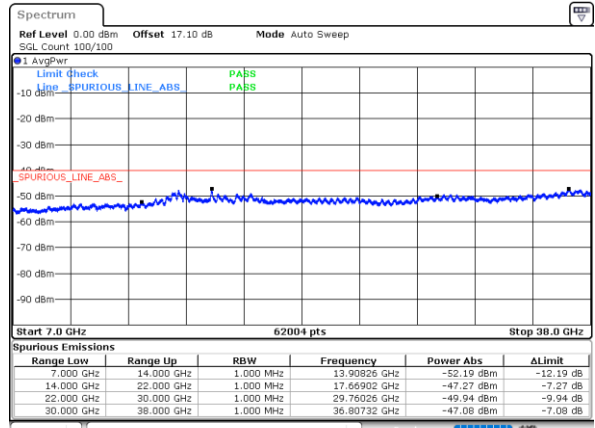
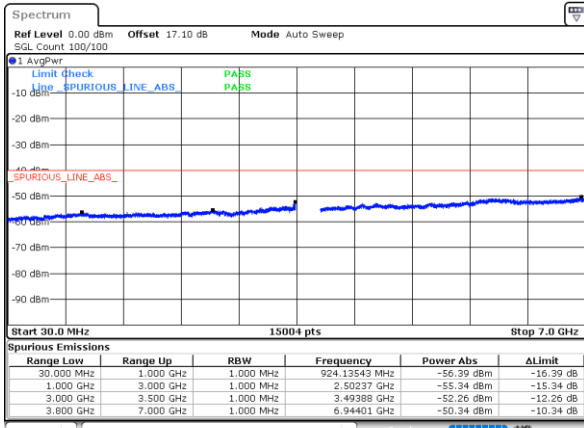
Highest Channel / QPSK



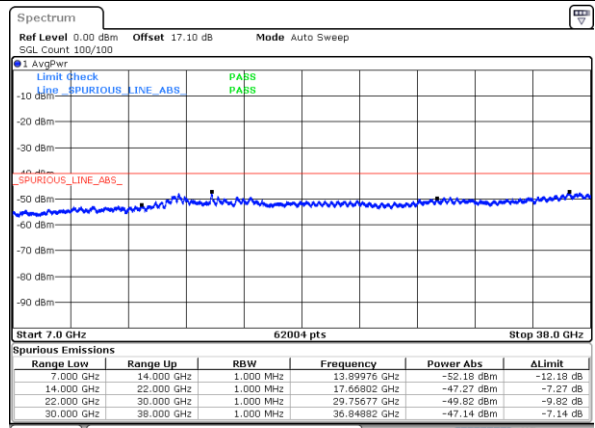
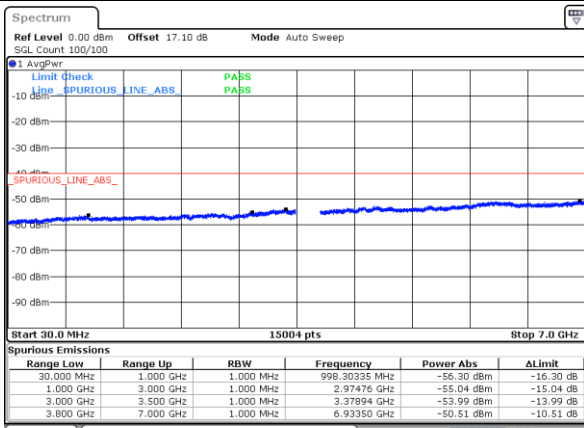


LTE Band 48 / 10MHz

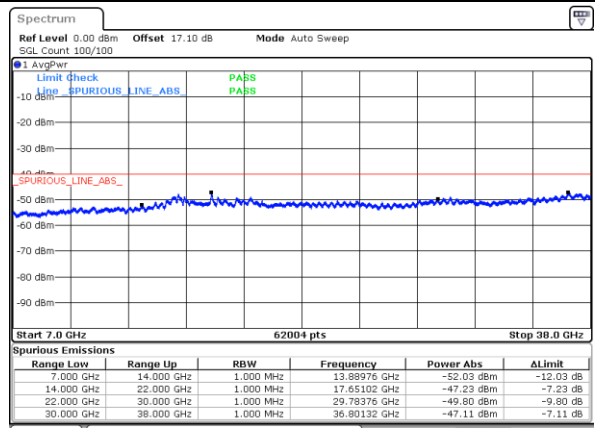
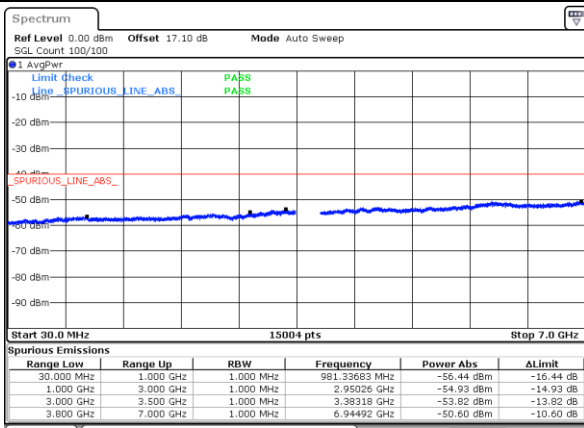
Lowest Channel / QPSK



Middle Channel / QPSK



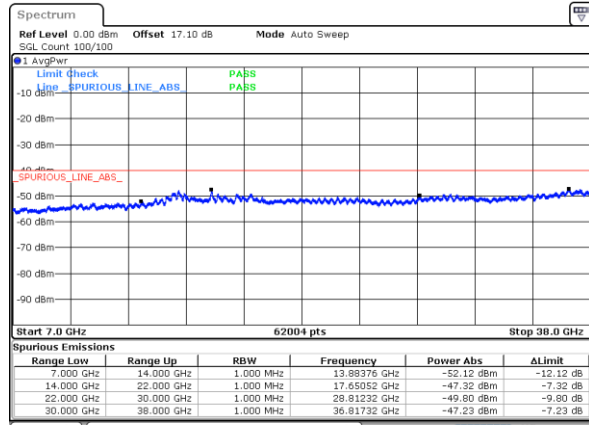
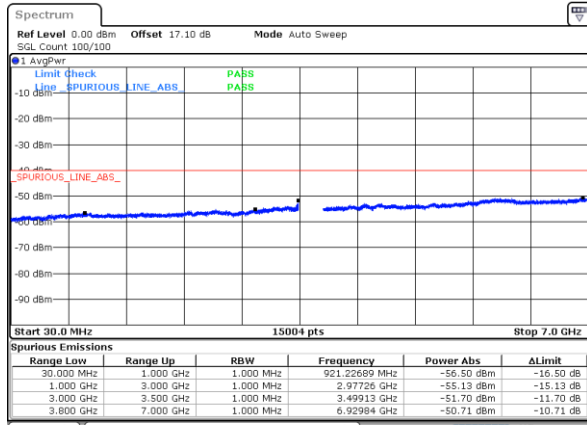
Highest Channel / QPSK



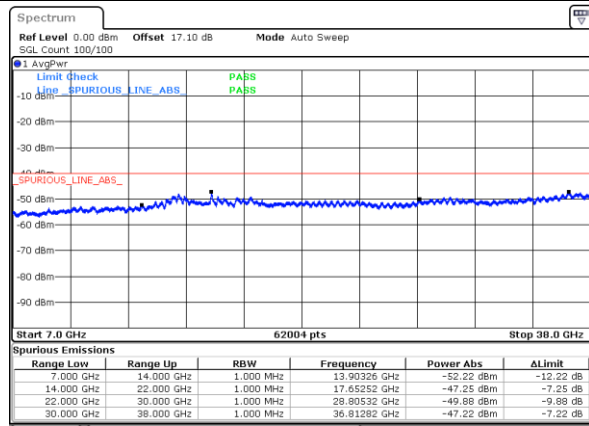
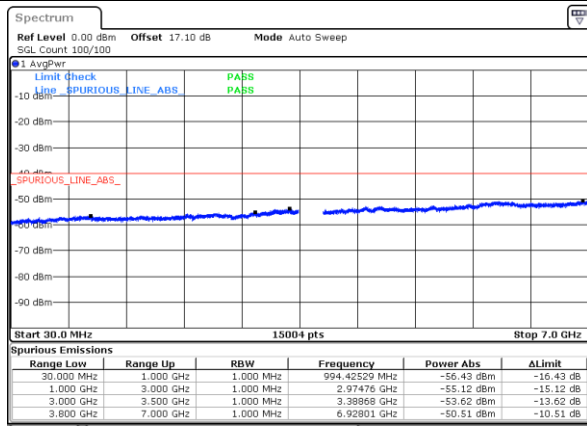


LTE Band 48 / 15MHz

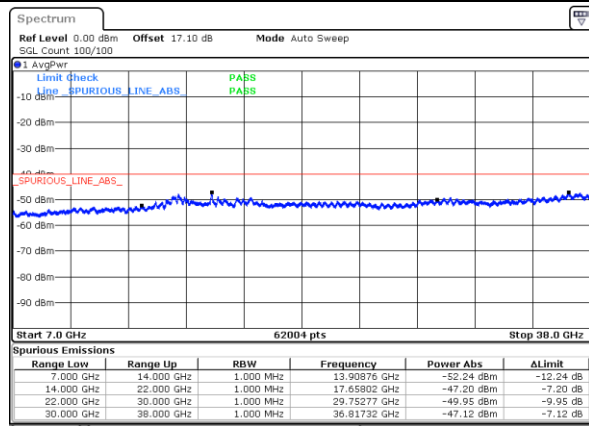
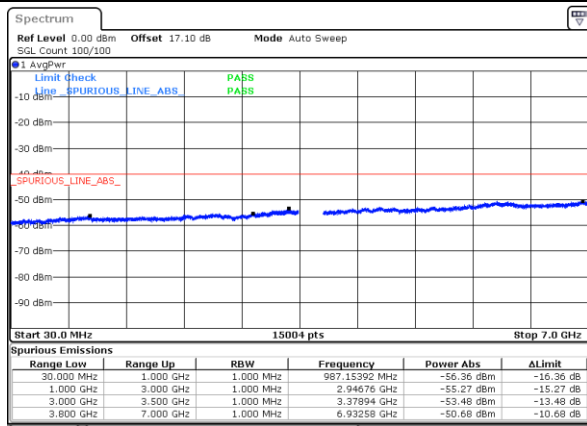
Lowest Channel / QPSK



Middle Channel / QPSK



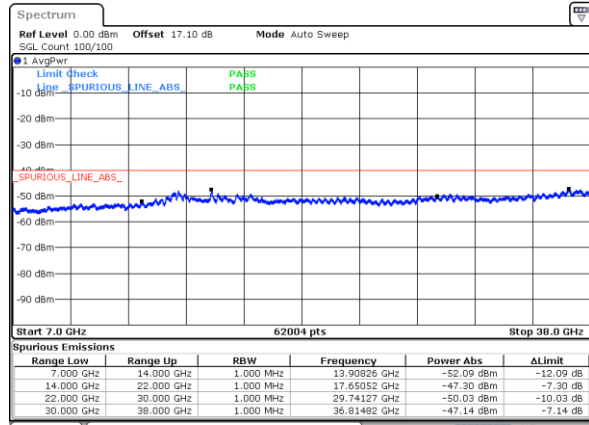
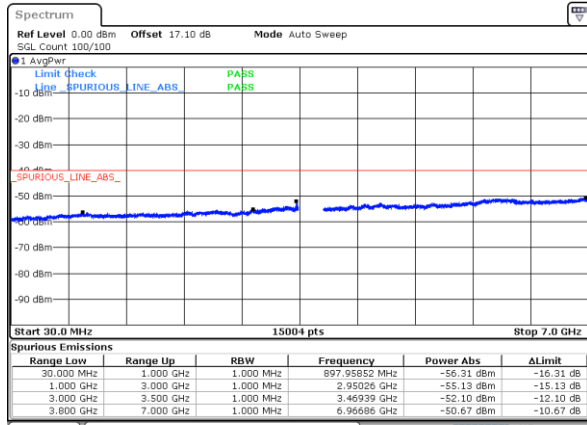
Highest Channel / QPSK



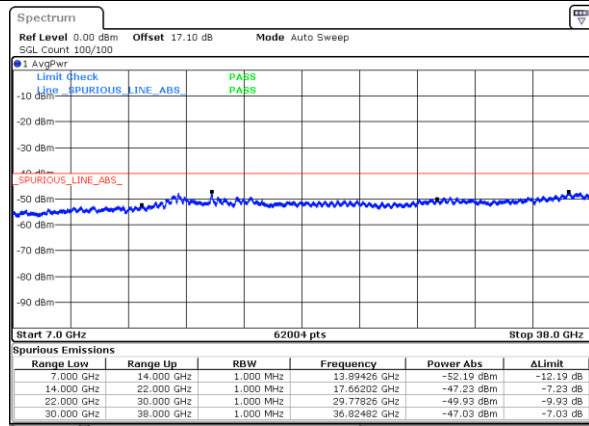
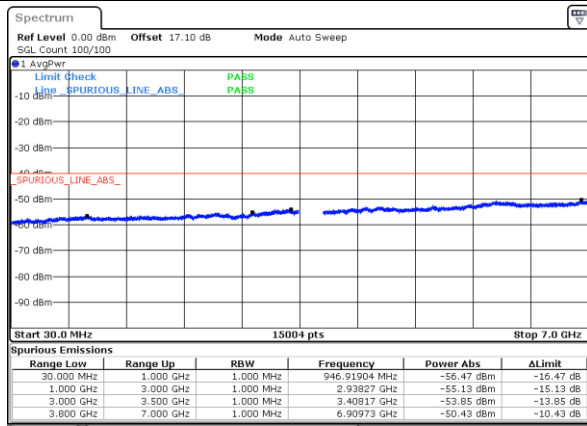


LTE Band 48 / 20MHz

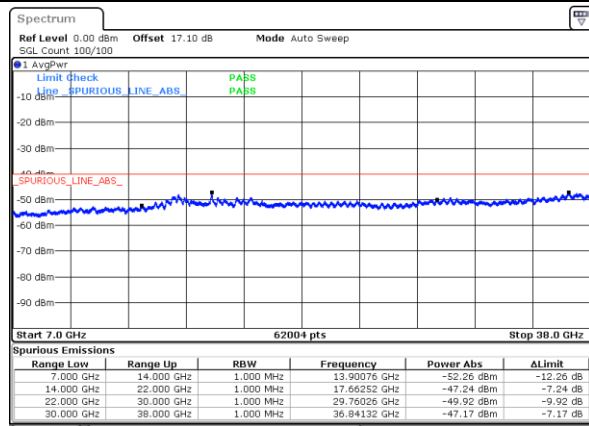
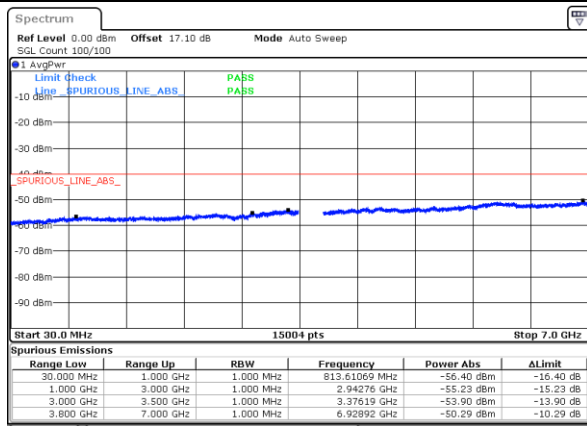
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



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	0.0030	
30	Normal Voltage	0.0047	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0026	

Note:

1. Normal Voltage = 3.3 V. ; Battery End Point (ACLRP) = 3.135 V. ; Maximum Voltage = 3.465 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	24.82	29.91	34.82	24.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.96	34.96	39.79	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.72	30.03	34.82	25.02
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.75	39.71	-

Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.82	29.91	35.03	24.82
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.91	34.89	39.79	-

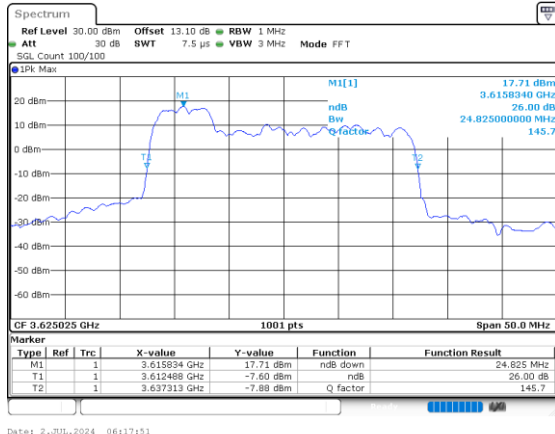
Mode	LTE Band 48C : 26dB BW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.82	29.78	34.89	24.82
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.96	34.89	39.79	-



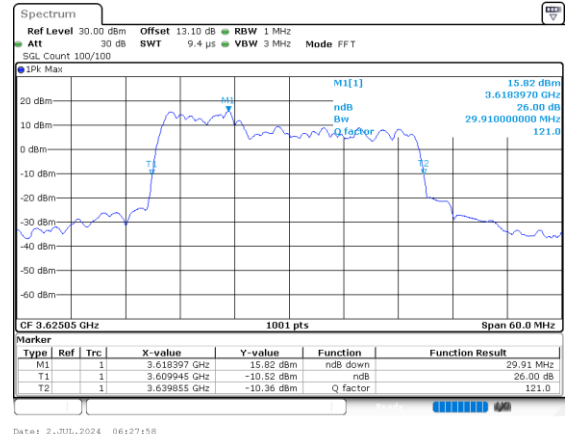
LTE Band 48C

QPSK

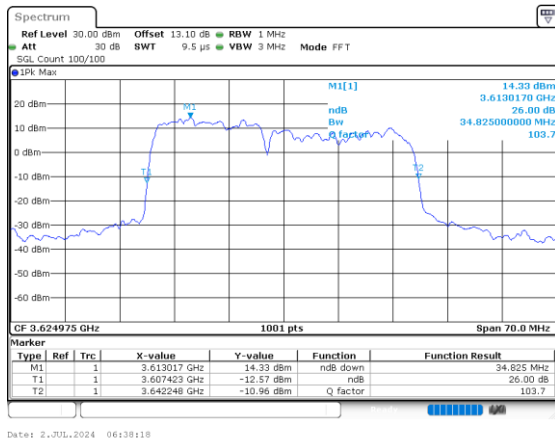
Middle Channel / 5MHz+20MHz



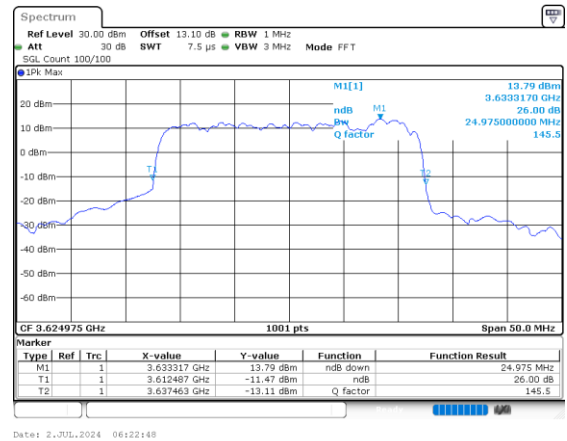
Middle Channel / 10MHz+20MHz



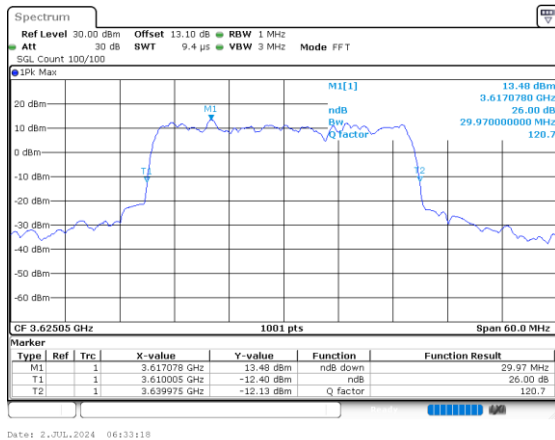
Middle Channel / 15MHz+20MHz



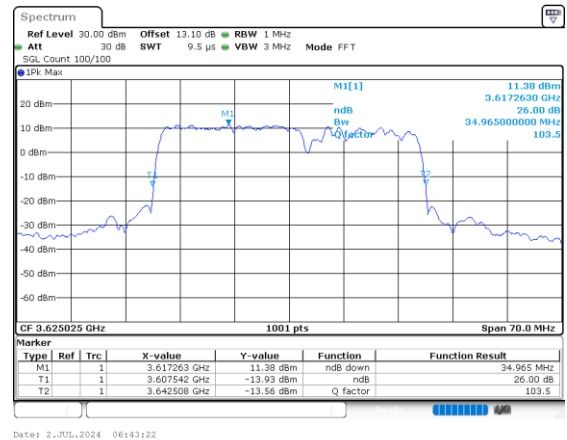
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz





LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A

