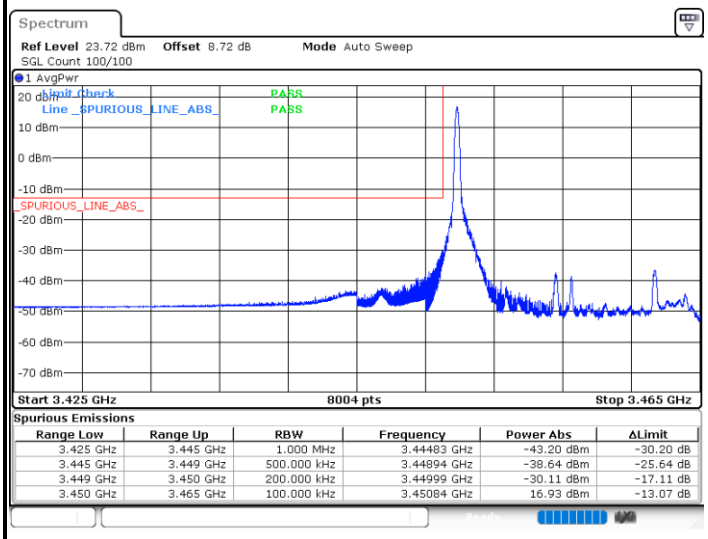
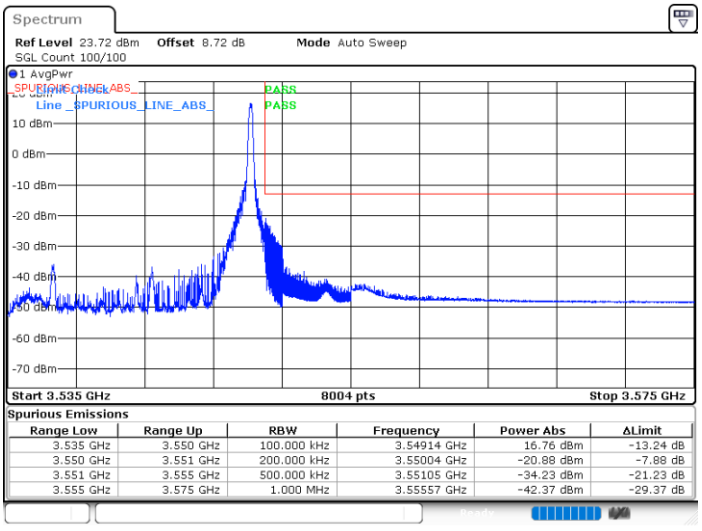
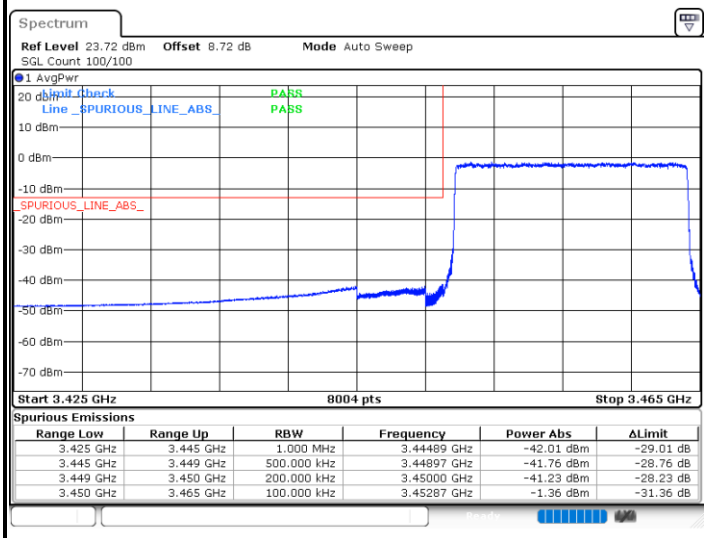
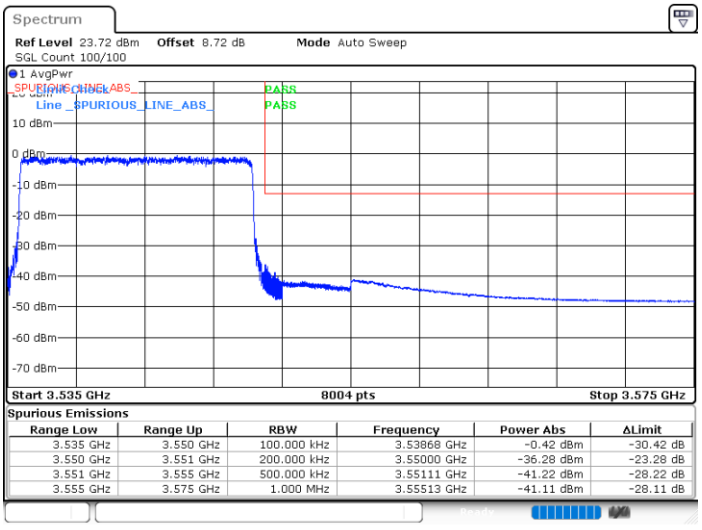
| LTE Band 42 / 15MHz | |
|---|---|
| 256QAM | |
| Lowest Channel / 1RB0 | Highest Channel / 1RBmax |



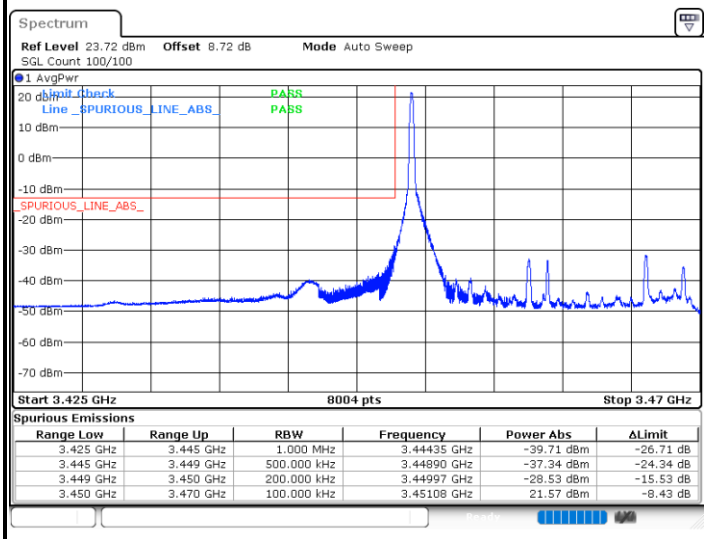




| Lowest Channel / FullRB | Highest Channel / FullRB |
|---|---|



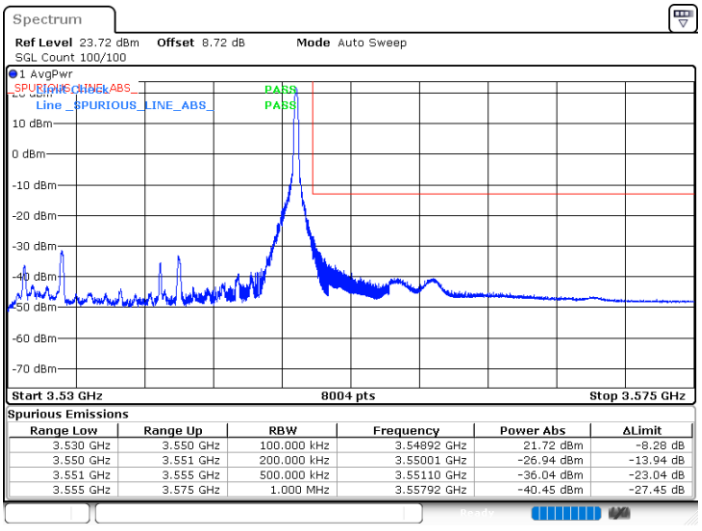
| LTE Band 42 / 20MHz | |
|---|---|
| QPSK | |
| Lowest Channel / 1RB0 | Highest Channel / 1RBmax |




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.425 GHz | 3.445 GHz | 1.000 MHz | 3.44435 GHz | -39.71 dBm | -26.71 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44890 GHz | -37.34 dBm | -24.34 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44997 GHz | -28.53 dBm | -15.53 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45108 GHz | 21.57 dBm | -8.43 dB |

Date: 21.JUL.2024 22:59:38

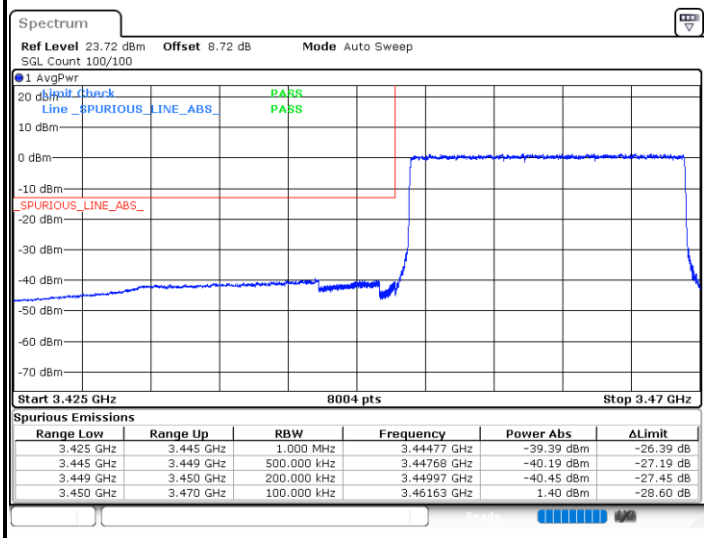



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54892 GHz | 21.72 dBm | -8.28 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55001 GHz | -26.94 dBm | -13.94 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55110 GHz | -36.04 dBm | -23.04 dB |
| 3.555 GHz | 3.575 GHz | 1.000 MHz | 3.55792 GHz | -40.45 dBm | -27.45 dB |

Date: 21.JUL.2024 23:10:11

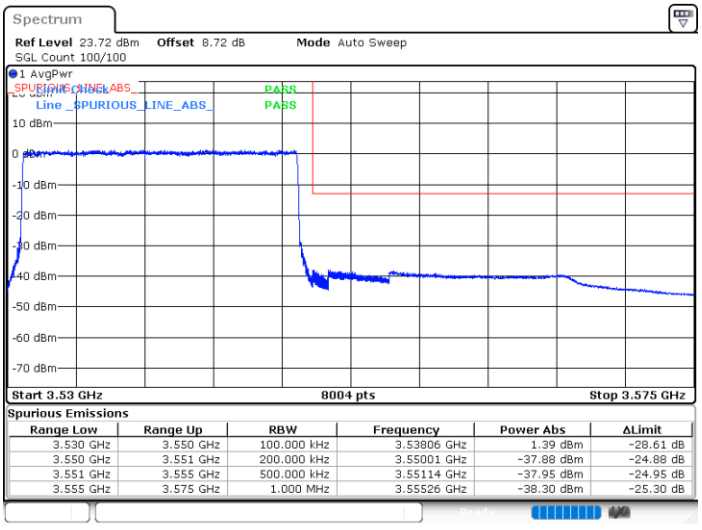
| Lowest Channel / FullRB | Highest Channel / FullRB |
|---|---|




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.425 GHz | 3.445 GHz | 1.000 MHz | 3.44477 GHz | -39.39 dBm | -26.39 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44768 GHz | -40.19 dBm | -27.19 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44997 GHz | -40.45 dBm | -27.45 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.46163 GHz | 1.40 dBm | -28.60 dB |

Date: 21.JUL.2024 23:03:25




Spurious Emissions

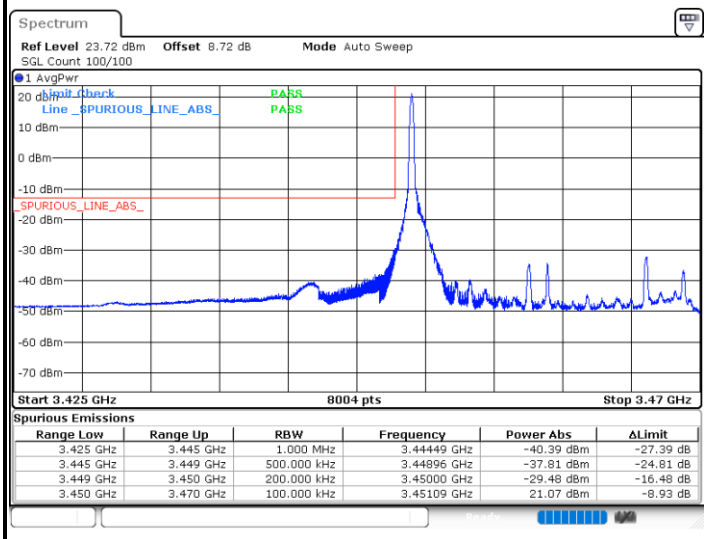
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.53806 GHz | 1.39 dBm | -28.61 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55001 GHz | -37.88 dBm | -24.88 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55114 GHz | -37.95 dBm | -24.95 dB |
| 3.555 GHz | 3.575 GHz | 1.000 MHz | 3.55526 GHz | -38.30 dBm | -25.30 dB |

Date: 21.JUL.2024 23:14:01

## LTE Band 42 / 20MHz

### 16QAM

#### Lowest Channel / 1RB0

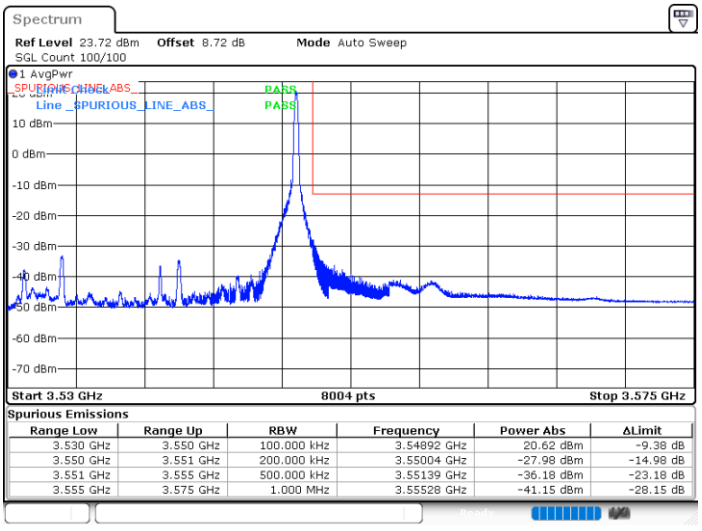



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.425 GHz | 3.445 GHz | 1.000 MHz | 3.44449 GHz | -40.39 dBm | -27.39 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44896 GHz | -37.81 dBm | -24.81 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.45000 GHz | -29.48 dBm | -16.48 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45109 GHz | 21.07 dBm | -8.93 dB |

Date: 21.JUL.2024 23:00:38

#### Highest Channel / 1RBmax

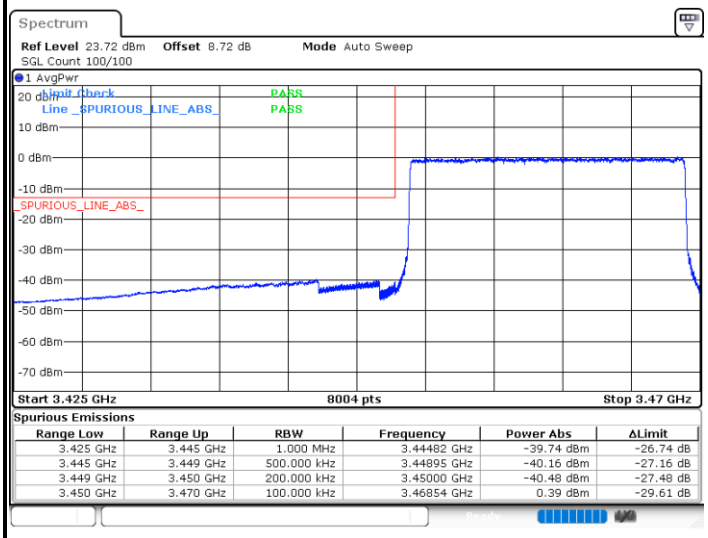



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54892 GHz | 20.62 dBm | -9.38 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55004 GHz | -27.98 dBm | -14.98 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55139 GHz | -36.18 dBm | -23.18 dB |
| 3.555 GHz | 3.575 GHz | 1.000 MHz | 3.55528 GHz | -41.15 dBm | -28.15 dB |

Date: 21.JUL.2024 23:11:14

#### Lowest Channel / FullRB

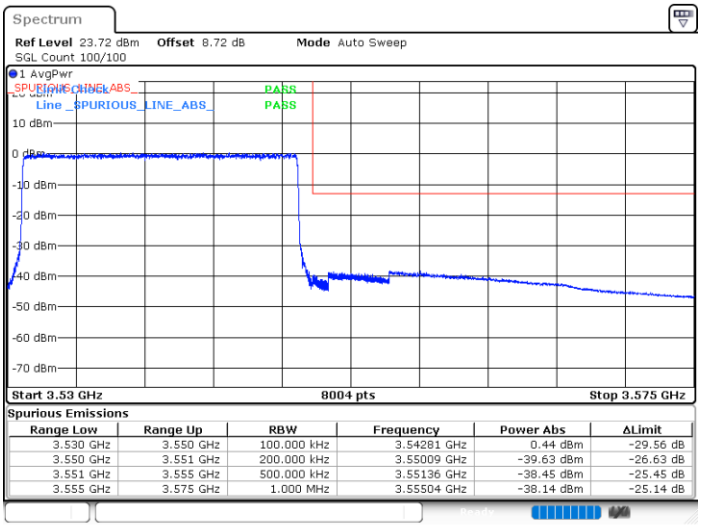



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.425 GHz | 3.445 GHz | 1.000 MHz | 3.44482 GHz | -39.74 dBm | -26.74 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44895 GHz | -40.16 dBm | -27.16 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.45000 GHz | -40.48 dBm | -27.48 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.46854 GHz | 0.39 dBm | -29.61 dB |

Date: 21.JUL.2024 23:04:21

#### Highest Channel / FullRB




Spurious Emissions

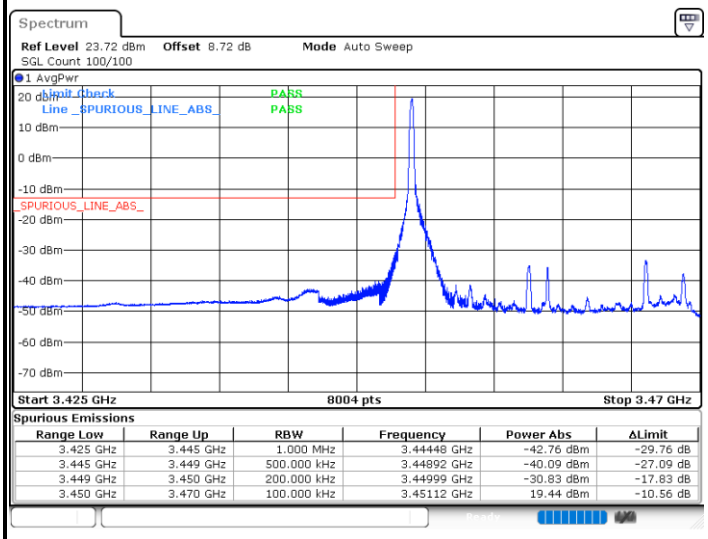
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54281 GHz | 0.44 dBm | -29.56 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55009 GHz | -39.63 dBm | -26.63 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55136 GHz | -38.45 dBm | -25.45 dB |
| 3.555 GHz | 3.575 GHz | 1.000 MHz | 3.55504 GHz | -38.14 dBm | -25.14 dB |

Date: 21.JUL.2024 23:14:57

## LTE Band 42 / 20MHz

### 64QAM

#### Lowest Channel / 1RB0

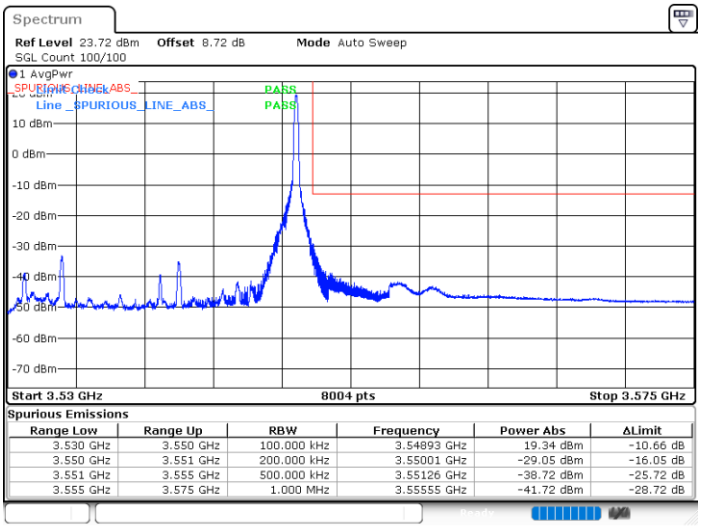



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.425 GHz | 3.445 GHz | 1.000 MHz | 3.44448 GHz | -42.76 dBm | -29.76 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44892 GHz | -40.09 dBm | -27.09 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44999 GHz | -30.83 dBm | -17.83 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45112 GHz | 19.44 dBm | -10.56 dB |

Date: 21.JUL.2024 23:01:33

#### Highest Channel / 1RBmax

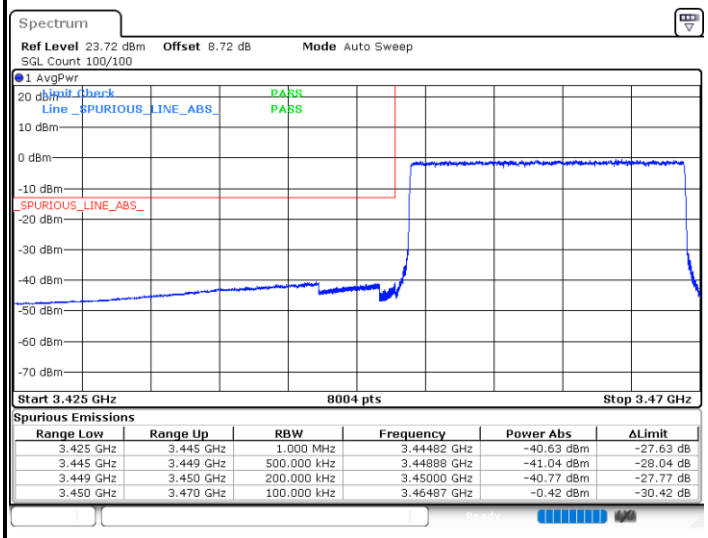



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54893 GHz | 19.34 dBm | -10.66 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55001 GHz | -29.05 dBm | -16.05 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55126 GHz | -38.72 dBm | -25.72 dB |
| 3.555 GHz | 3.575 GHz | 1.000 MHz | 3.55555 GHz | -41.72 dBm | -28.72 dB |

Date: 21.JUL.2024 23:12:09

#### Lowest Channel / FullRB

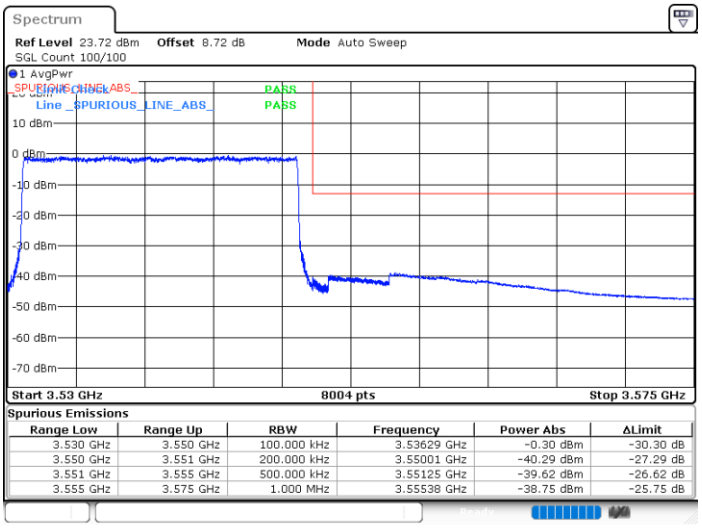



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.425 GHz | 3.445 GHz | 1.000 MHz | 3.44482 GHz | -40.63 dBm | -27.63 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44888 GHz | -41.04 dBm | -28.04 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.45000 GHz | -40.77 dBm | -27.77 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.46487 GHz | -0.42 dBm | -30.42 dB |

Date: 21.JUL.2024 23:05:16

#### Highest Channel / FullRB




Spurious Emissions

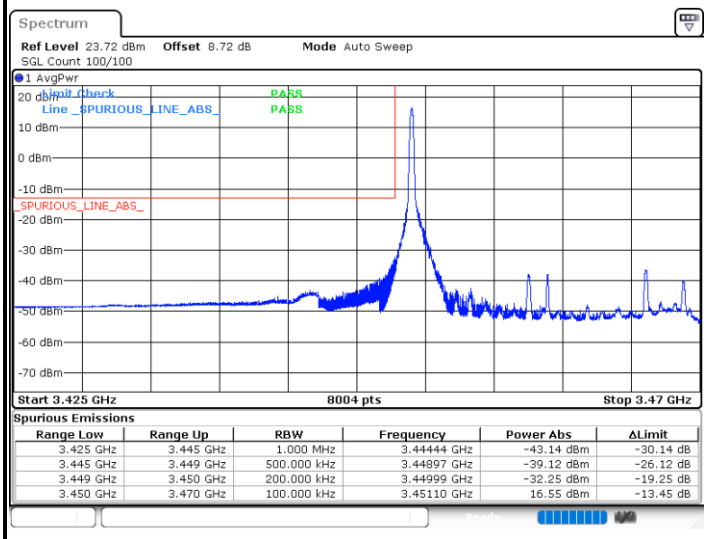
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.53629 GHz | -0.30 dBm | -30.30 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55001 GHz | -40.29 dBm | -27.29 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55125 GHz | -39.62 dBm | -26.62 dB |
| 3.555 GHz | 3.575 GHz | 1.000 MHz | 3.55538 GHz | -38.75 dBm | -25.75 dB |

Date: 21.JUL.2024 23:15:52

## LTE Band 42 / 20MHz

### 256QAM

#### Lowest Channel / 1RB0

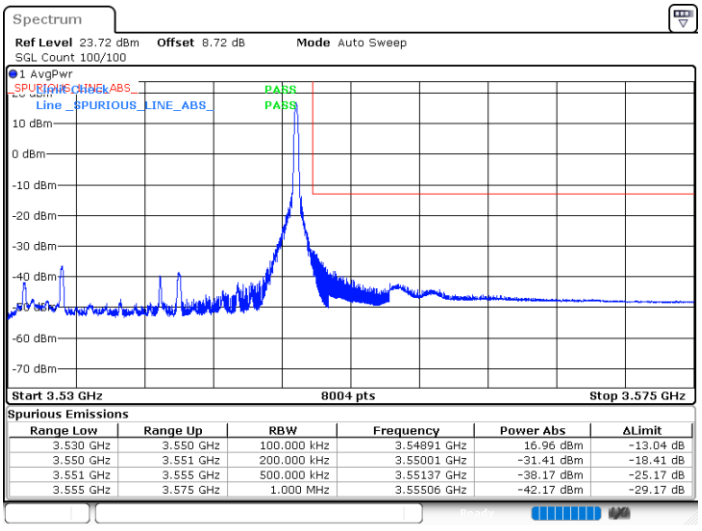



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.425 GHz | 3.445 GHz | 1.000 MHz | 3.44444 GHz | -43.14 dBm | -30.14 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44897 GHz | -39.12 dBm | -26.12 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44999 GHz | -32.25 dBm | -19.25 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.45110 GHz | 16.55 dBm | -13.45 dB |

Date: 21.JUL.2024 23:02:29

#### Highest Channel / 1RBmax

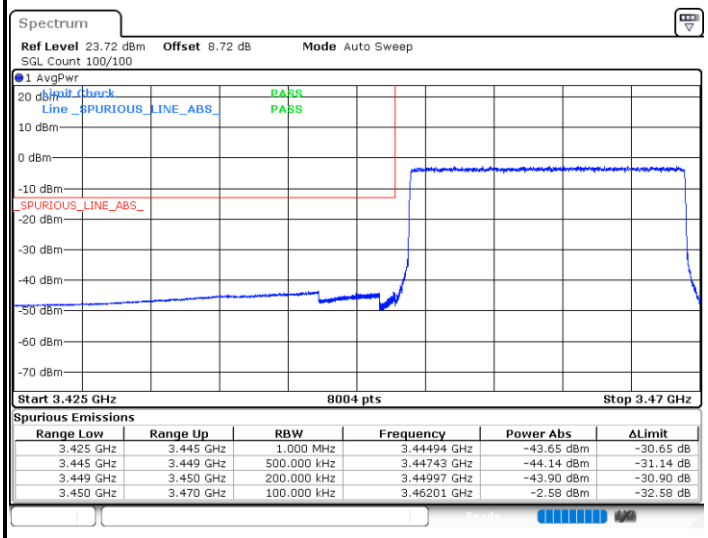



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54891 GHz | 16.96 dBm | -13.04 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55001 GHz | -31.41 dBm | -18.41 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55137 GHz | -38.17 dBm | -25.17 dB |
| 3.555 GHz | 3.575 GHz | 1.000 MHz | 3.55506 GHz | -42.17 dBm | -29.17 dB |

Date: 21.JUL.2024 23:13:05

#### Lowest Channel / FullRB

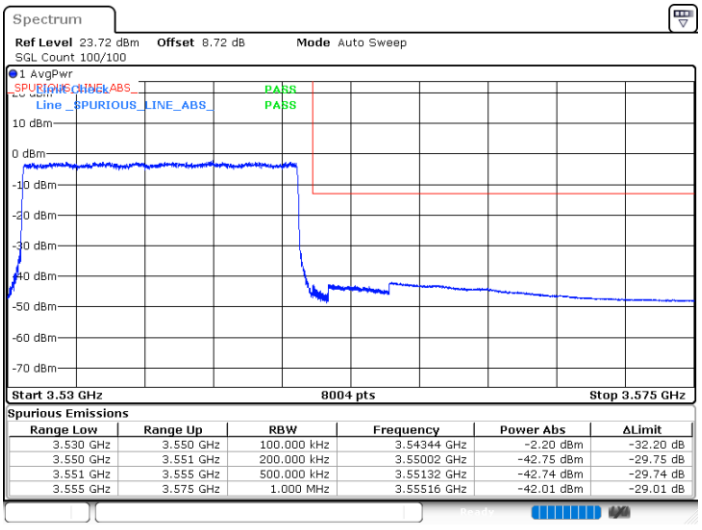



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.425 GHz | 3.445 GHz | 1.000 MHz | 3.44494 GHz | -43.65 dBm | -30.65 dB |
| 3.445 GHz | 3.449 GHz | 500.000 kHz | 3.44743 GHz | -44.14 dBm | -31.14 dB |
| 3.449 GHz | 3.450 GHz | 200.000 kHz | 3.44997 GHz | -43.90 dBm | -30.90 dB |
| 3.450 GHz | 3.470 GHz | 100.000 kHz | 3.46201 GHz | -2.58 dBm | -32.58 dB |

Date: 21.JUL.2024 23:06:12

#### Highest Channel / FullRB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 3.530 GHz | 3.550 GHz | 100.000 kHz | 3.54344 GHz | -2.20 dBm | -32.20 dB |
| 3.550 GHz | 3.551 GHz | 200.000 kHz | 3.55002 GHz | -42.75 dBm | -29.75 dB |
| 3.551 GHz | 3.555 GHz | 500.000 kHz | 3.55132 GHz | -42.74 dBm | -29.74 dB |
| 3.555 GHz | 3.575 GHz | 1.000 MHz | 3.55516 GHz | -42.01 dBm | -29.01 dB |

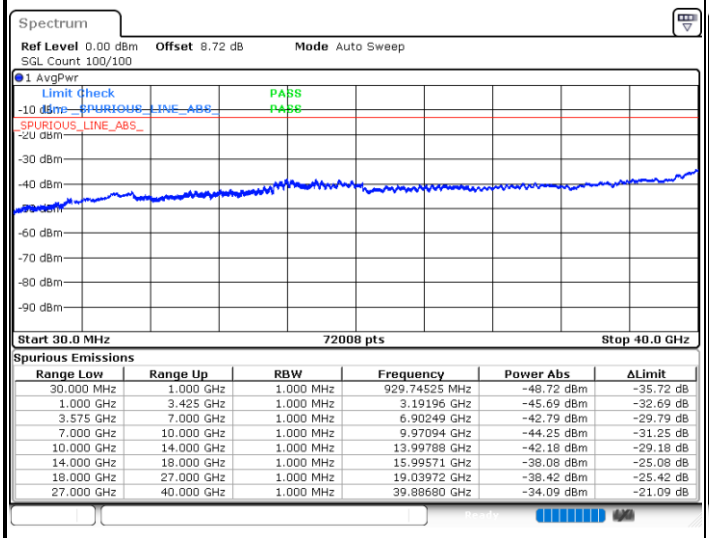
Date: 21.JUL.2024 23:16:48

# Conducted Spurious Emission

## LTE Band 42/ 5MHz

### QPSK / 1RB0

#### Lowest Channel

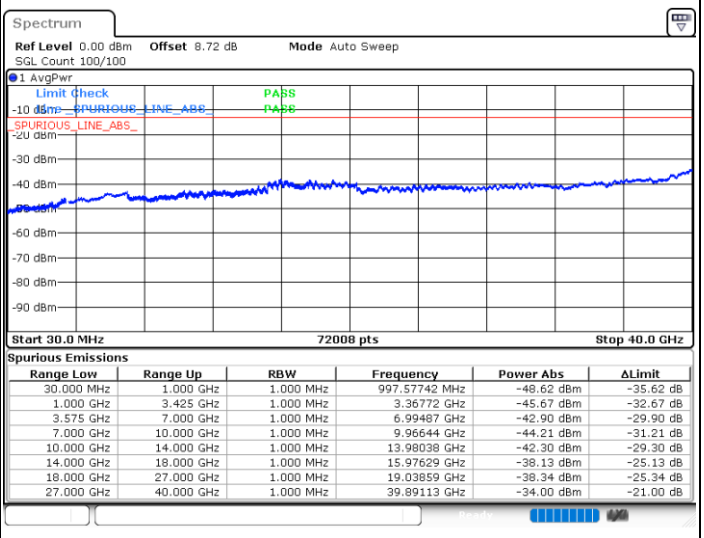



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 929.74525 MHz | -48.72 dBm | -35.72 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.19196 GHz | -45.69 dBm | -32.69 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.90249 GHz | -42.79 dBm | -29.79 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.97094 GHz | -44.25 dBm | -31.25 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99788 GHz | -42.18 dBm | -29.18 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.99571 GHz | -38.08 dBm | -25.08 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.03972 GHz | -38.42 dBm | -25.42 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.88680 GHz | -34.09 dBm | -21.09 dB |

Date: 21.JUL.2024 21:53:02

#### Middle Channel

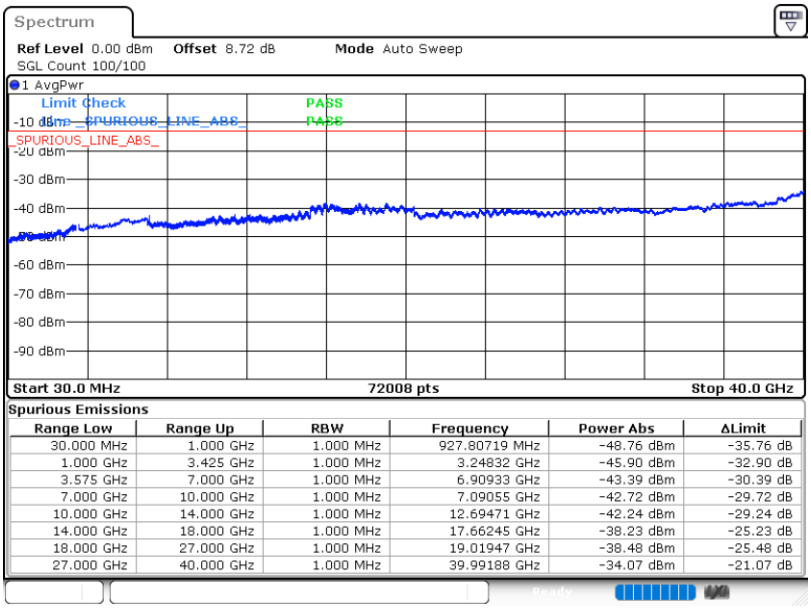



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 997.57742 MHz | -48.62 dBm | -35.62 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.36772 GHz | -45.67 dBm | -32.67 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.99487 GHz | -42.90 dBm | -29.90 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.96644 GHz | -44.21 dBm | -31.21 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.98038 GHz | -42.30 dBm | -29.30 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.97629 GHz | -38.13 dBm | -25.13 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.03859 GHz | -38.34 dBm | -25.34 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.89113 GHz | -34.00 dBm | -21.00 dB |

Date: 21.JUL.2024 22:01:47

#### Highest Channel




Spurious Emissions

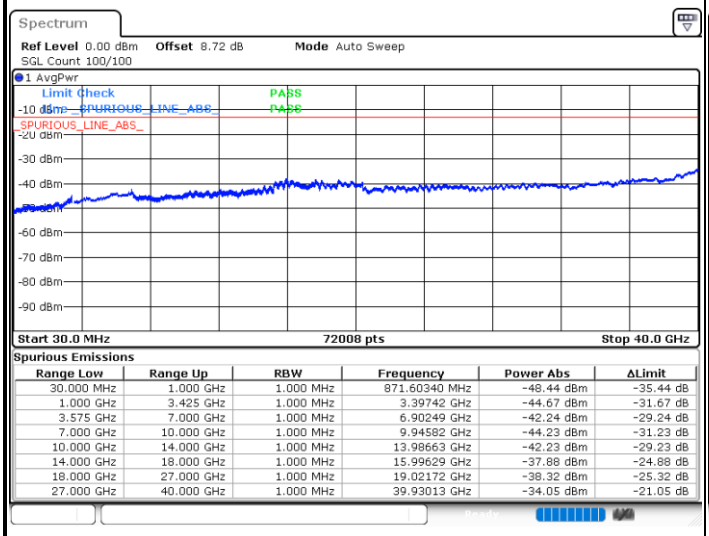
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 927.80719 MHz | -48.76 dBm | -35.76 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.24832 GHz | -45.90 dBm | -32.90 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.90933 GHz | -43.39 dBm | -30.39 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.09055 GHz | -42.72 dBm | -29.72 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.69471 GHz | -42.24 dBm | -29.24 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.66245 GHz | -38.23 dBm | -25.23 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.01947 GHz | -38.48 dBm | -25.48 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.99188 GHz | -34.07 dBm | -21.07 dB |

Date: 21.JUL.2024 22:04:36

## LTE Band 42/ 10MHz

### QPSK / 1RB0

#### Lowest Channel

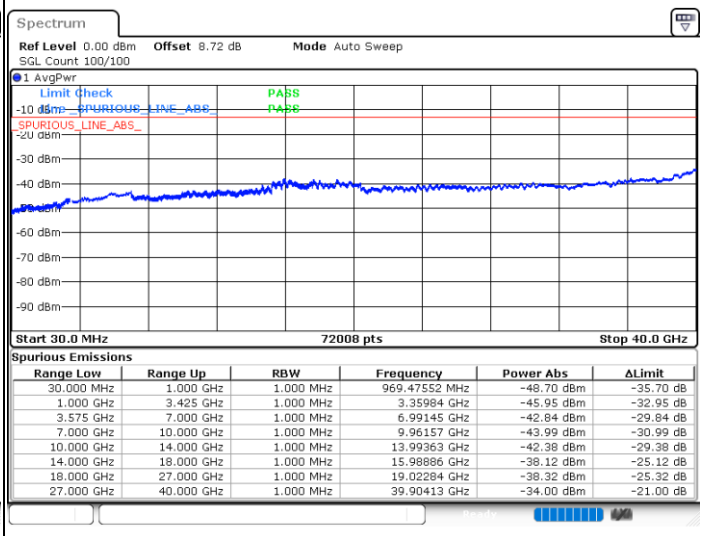



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 871.60340 MHz | -48.44 dBm | -35.44 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.39742 GHz | -44.67 dBm | -31.67 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.90249 GHz | -42.24 dBm | -29.24 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.94582 GHz | -44.23 dBm | -31.23 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.98663 GHz | -42.23 dBm | -29.23 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.99629 GHz | -37.88 dBm | -24.88 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.02172 GHz | -38.32 dBm | -25.32 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.93013 GHz | -34.05 dBm | -21.05 dB |

Date: 21.JUL.2024 22:14:26

#### Middle Channel

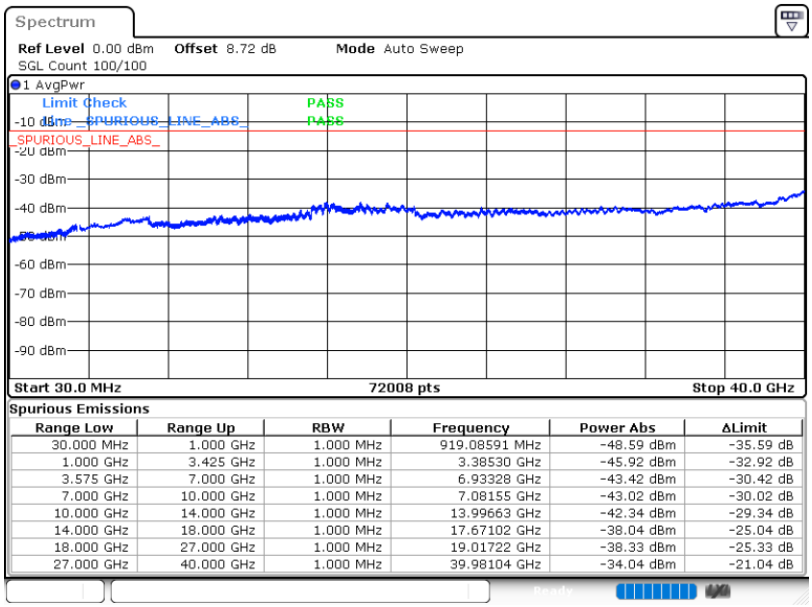



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 969.47552 MHz | -48.70 dBm | -35.70 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.35984 GHz | -45.95 dBm | -32.95 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.99145 GHz | -42.84 dBm | -29.84 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.96157 GHz | -43.99 dBm | -30.99 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99363 GHz | -42.38 dBm | -29.38 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.98886 GHz | -38.12 dBm | -25.12 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.02284 GHz | -38.32 dBm | -25.32 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.90413 GHz | -34.00 dBm | -21.00 dB |

Date: 21.JUL.2024 22:23:13

#### Highest Channel




Spurious Emissions

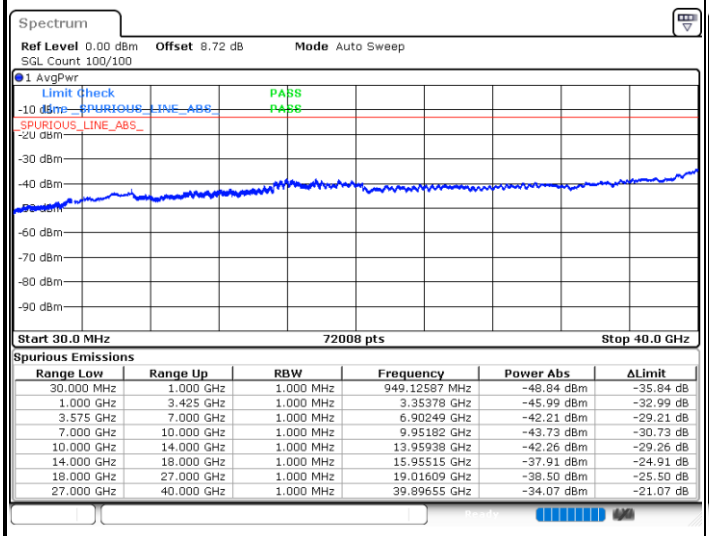
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 919.08591 MHz | -48.59 dBm | -35.59 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.38530 GHz | -45.92 dBm | -32.92 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.93328 GHz | -43.42 dBm | -30.42 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.08155 GHz | -43.02 dBm | -30.02 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99663 GHz | -42.34 dBm | -29.34 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.67102 GHz | -38.04 dBm | -25.04 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.01722 GHz | -38.33 dBm | -25.33 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.98104 GHz | -34.04 dBm | -21.04 dB |

Date: 21.JUL.2024 22:26:03

## LTE Band 42/ 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 | 949.12587 MHz | -48.84 dBm | -35.84 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.35378 GHz | -45.99 dBm | -32.99 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.90249 GHz | -42.21 dBm | -29.21 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.95182 GHz | -43.73 dBm | -30.73 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.95938 GHz | -42.26 dBm | -29.26 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.95515 GHz | -37.91 dBm | -24.91 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.01609 GHz | -38.50 dBm | -25.50 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.89655 GHz | -34.07 dBm | -21.07 dB |

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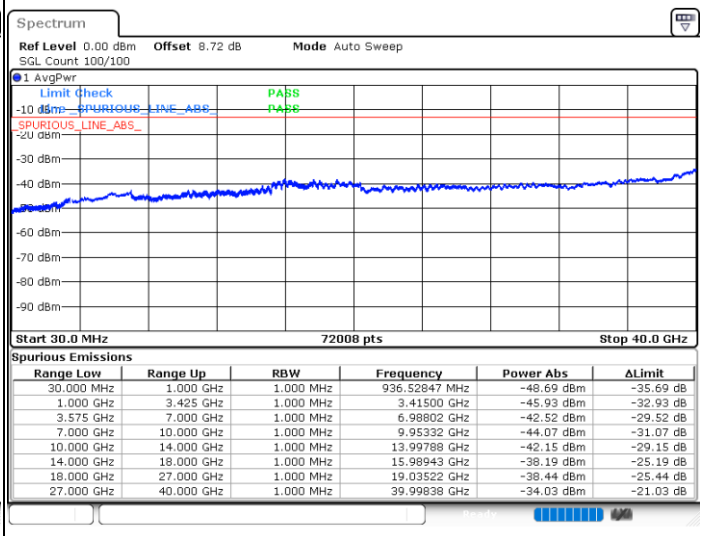
#### Middle Channel




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 936.52847 MHz | -48.69 dBm | -35.69 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.41500 GHz | -45.93 dBm | -32.93 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.98802 GHz | -42.52 dBm | -29.52 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.95332 GHz | -44.07 dBm | -31.07 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99788 GHz | -42.15 dBm | -29.15 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.98943 GHz | -38.19 dBm | -25.19 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.03522 GHz | -38.44 dBm | -25.44 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.99838 GHz | -34.03 dBm | -21.03 dB |

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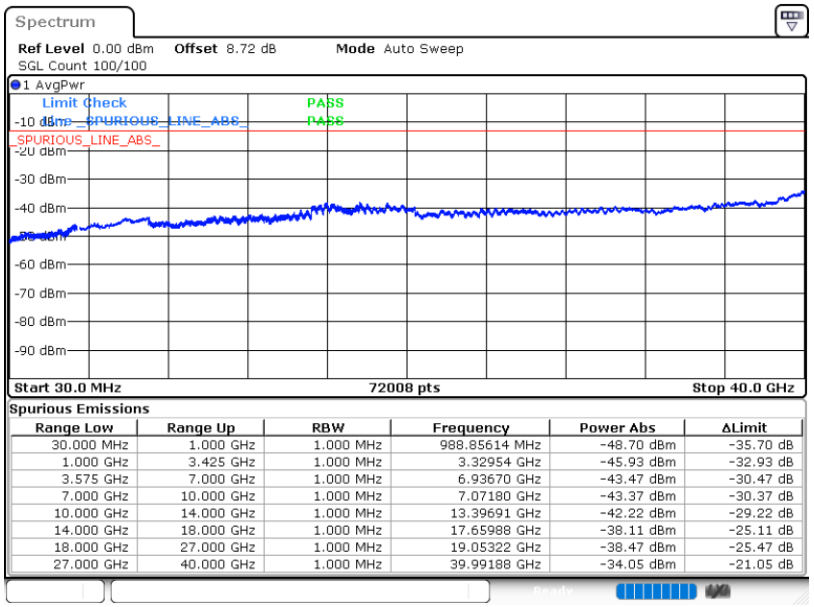
#### Highest Channel




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 988.85614 MHz | -48.70 dBm | -35.70 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.32954 GHz | -45.93 dBm | -32.93 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.93670 GHz | -43.47 dBm | -30.47 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.07180 GHz | -43.37 dBm | -30.37 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.39691 GHz | -42.22 dBm | -29.22 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.65988 GHz | -38.11 dBm | -25.11 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.05322 GHz | -38.47 dBm | -25.47 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.99188 GHz | -34.05 dBm | -21.05 dB |

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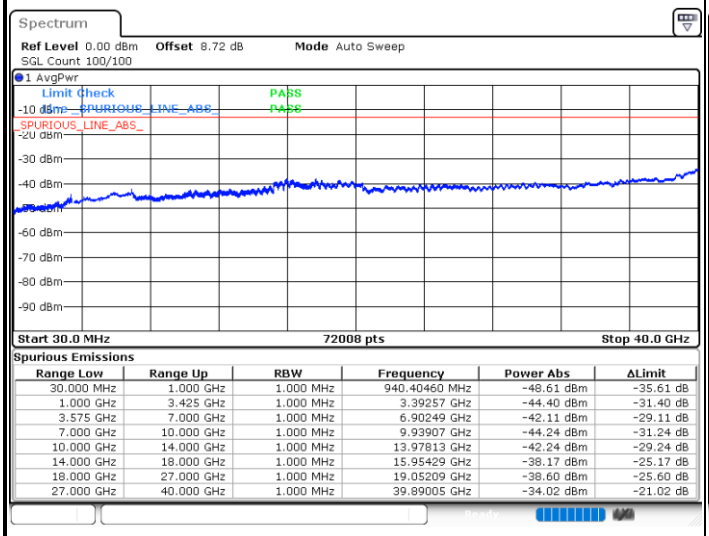
## LTE Band 42/ 20MHz

### QPSK / 1RB0

#### Lowest Channel




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 940.40460 MHz | -48.61 dBm | -35.61 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.39257 GHz | -44.40 dBm | -31.40 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.90249 GHz | -42.11 dBm | -29.11 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.93907 GHz | -44.24 dBm | -31.24 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.97813 GHz | -42.24 dBm | -29.24 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.95429 GHz | -38.17 dBm | -25.17 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.05209 GHz | -38.60 dBm | -25.60 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.89005 GHz | -34.02 dBm | -21.02 dB |

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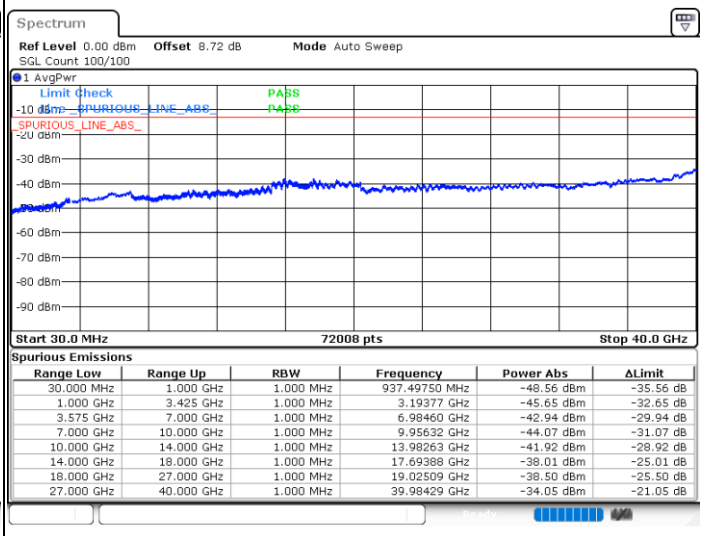
#### Middle Channel




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 937.49750 MHz | -48.56 dBm | -35.56 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.19377 GHz | -45.65 dBm | -32.65 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.98460 GHz | -42.94 dBm | -29.94 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.95632 GHz | -44.07 dBm | -31.07 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.98263 GHz | -41.92 dBm | -28.92 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.69388 GHz | -38.01 dBm | -25.01 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.02509 GHz | -38.50 dBm | -25.50 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.98429 GHz | -34.05 dBm | -21.05 dB |

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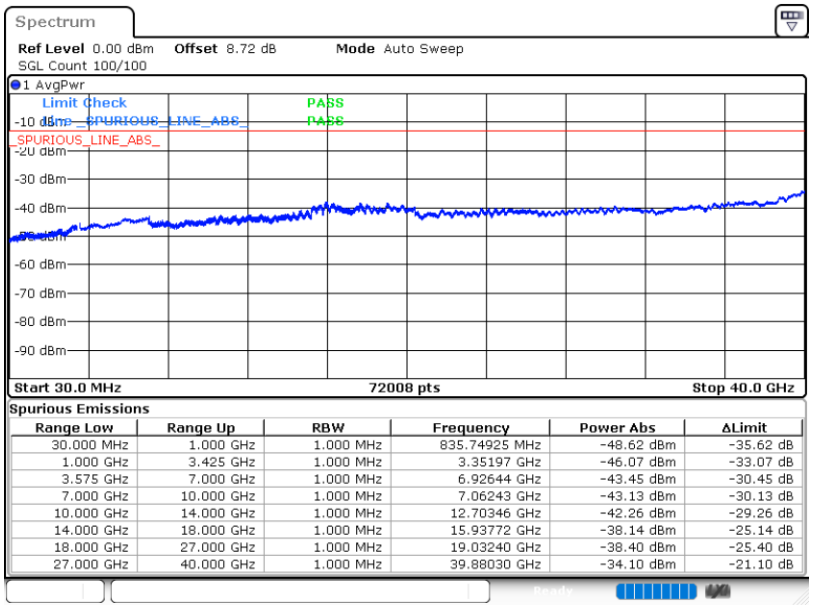
#### Highest Channel




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 835.74925 MHz | -48.62 dBm | -35.62 dB |
| 1.000 GHz | 3.425 GHz | 1.000 MHz | 3.35197 GHz | -46.07 dBm | -33.07 dB |
| 3.575 GHz | 7.000 GHz | 1.000 MHz | 6.92644 GHz | -43.45 dBm | -30.45 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 7.06243 GHz | -43.13 dBm | -30.13 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.70346 GHz | -42.26 dBm | -29.26 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.93772 GHz | -38.14 dBm | -25.14 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.03240 GHz | -38.40 dBm | -25.40 dB |
| 27.000 GHz | 40.000 GHz | 1.000 MHz | 39.88030 GHz | -34.10 dBm | -21.10 dB |

Date: 21.JUL.2024 23:09:12

# Frequency Stability

| Test Conditions | | LTE Band 42 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 5MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0032 | PASS |
| 40 | Normal Voltage | 0.0017 | |
| 30 | Normal Voltage | 0.0019 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0033 | |
| 0 | Normal Voltage | 0.0026 | |
| -10 | Normal Voltage | 0.0017 | |
| -20 | Normal Voltage | 0.0005 | |
| -30 | Normal Voltage | 0.0032 | |
| 20 | Maximum Voltage | 0.0019 | |
| 20 | Normal Voltage | 0.0027 | |
| 20 | Battery End Point | 0.0014 | |

**Note:**

1. Normal Voltage =3.91V；Battery End Point (BEP) =3.6V；Maximum Voltage =4.3V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

| Test Engineer : | Bruce | Temperature : | 23~25℃ |
|---|---|---|---|
| | | Relative Humidity : | 41~42% |

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

| LTE Band 42 / 20MHz / QPSK / Ant. 3 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 6984 | -55.93 | -13 | -42.93 | -66.14 | 3.03 | 13.24 | H |
| | 10476 | -46.12 | -13 | -33.12 | -55.57 | 3.56 | 13.01 | H |
| | 13968 | -55.14 | -13 | -42.14 | -64.66 | 3.92 | 13.44 | H |
| | 6984 | -61.38 | -13 | -48.38 | -71.59 | 3.03 | 13.24 | V |
| | 10476 | -52.17 | -13 | -39.17 | -61.62 | 3.56 | 13.01 | V |
| | 13968 | -59.63 | -13 | -46.63 | -69.15 | 3.92 | 13.44 | V |

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