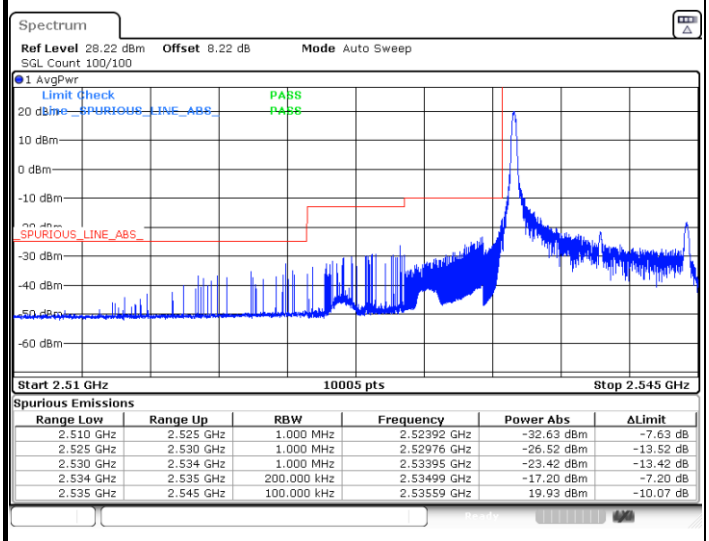
## LTE Band 41 / 10MHz / 16QAM

### Lowest Band Edge / 1 RB

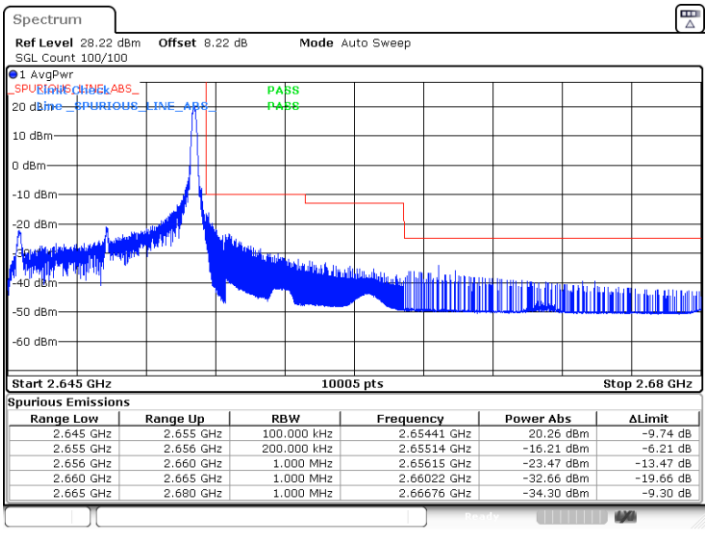



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.510 GHz | 2.525 GHz | 1.000 MHz | 2.52392 GHz | -32.63 dBm | -7.63 dB |
| 2.525 GHz | 2.530 GHz | 1.000 MHz | 2.52976 GHz | -26.52 dBm | -13.52 dB |
| 2.530 GHz | 2.534 GHz | 1.000 MHz | 2.53395 GHz | -23.42 dBm | -13.42 dB |
| 2.534 GHz | 2.535 GHz | 200.000 kHz | 2.53499 GHz | -17.20 dBm | -7.20 dB |
| 2.535 GHz | 2.545 GHz | 100.000 kHz | 2.53559 GHz | 19.93 dBm | -10.07 dB |

Date: 10.OCT.2023 14:54:17

### Highest Band Edge / 1 RB

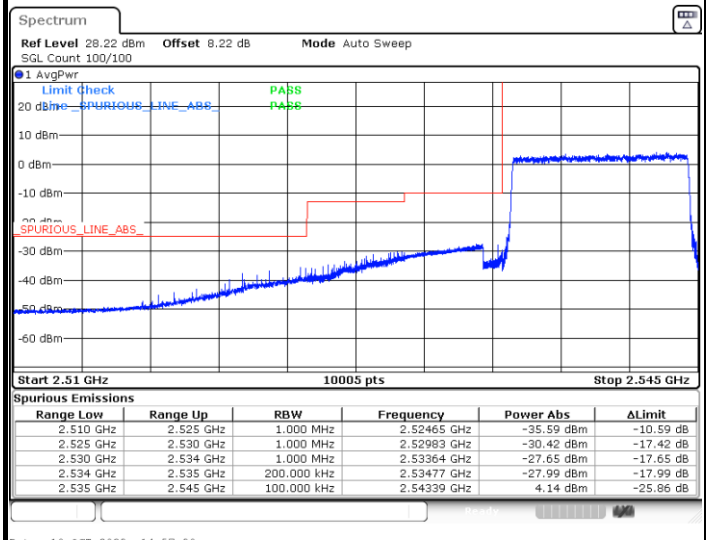



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.645 GHz | 2.655 GHz | 100.000 kHz | 2.65441 GHz | 20.26 dBm | -9.74 dB |
| 2.655 GHz | 2.656 GHz | 200.000 kHz | 2.65514 GHz | -16.21 dBm | -6.21 dB |
| 2.656 GHz | 2.660 GHz | 1.000 MHz | 2.65615 GHz | -23.47 dBm | -13.47 dB |
| 2.660 GHz | 2.665 GHz | 1.000 MHz | 2.66022 GHz | -32.66 dBm | -19.66 dB |
| 2.665 GHz | 2.680 GHz | 1.000 MHz | 2.66676 GHz | -34.30 dBm | -9.30 dB |

Date: 10.OCT.2023 15:02:30

### Lowest Band Edge / Full RB

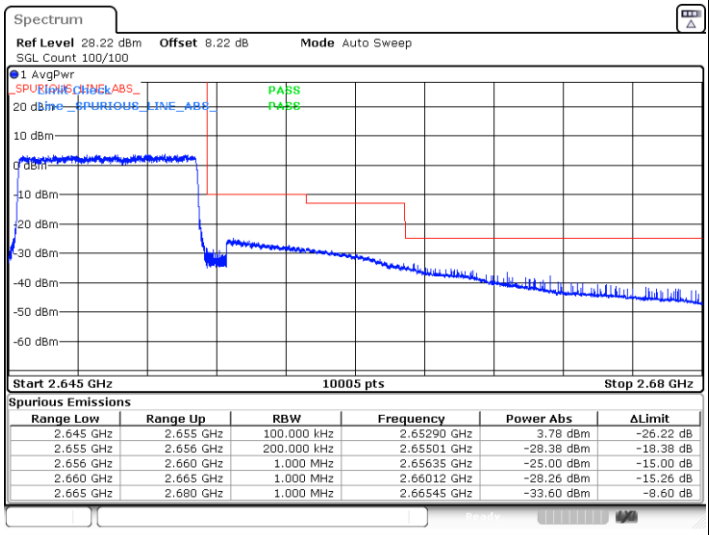



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.510 GHz | 2.525 GHz | 1.000 MHz | 2.52465 GHz | -35.59 dBm | -10.59 dB |
| 2.525 GHz | 2.530 GHz | 1.000 MHz | 2.52983 GHz | -30.42 dBm | -17.42 dB |
| 2.530 GHz | 2.534 GHz | 1.000 MHz | 2.53364 GHz | -27.65 dBm | -17.65 dB |
| 2.534 GHz | 2.535 GHz | 200.000 kHz | 2.53477 GHz | -27.99 dBm | -17.99 dB |
| 2.535 GHz | 2.545 GHz | 100.000 kHz | 2.54339 GHz | 4.14 dBm | -25.86 dB |

Date: 10.OCT.2023 14:57:30

### Highest Band Edge / Full RB



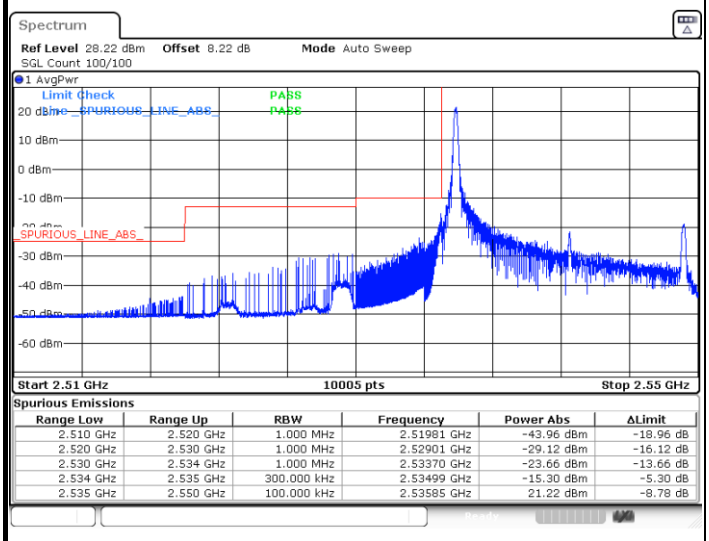

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.645 GHz | 2.655 GHz | 100.000 kHz | 2.65290 GHz | 3.78 dBm | -26.22 dB |
| 2.655 GHz | 2.656 GHz | 200.000 kHz | 2.65501 GHz | -28.38 dBm | -18.38 dB |
| 2.656 GHz | 2.660 GHz | 1.000 MHz | 2.65635 GHz | -25.00 dBm | -15.00 dB |
| 2.660 GHz | 2.665 GHz | 1.000 MHz | 2.66012 GHz | -28.26 dBm | -15.26 dB |
| 2.665 GHz | 2.680 GHz | 1.000 MHz | 2.66545 GHz | -33.60 dBm | -8.60 dB |

Date: 10.OCT.2023 15:05:02

## LTE Band 41 / 15MHz / QPSK

### Lowest Band Edge / 1 RB

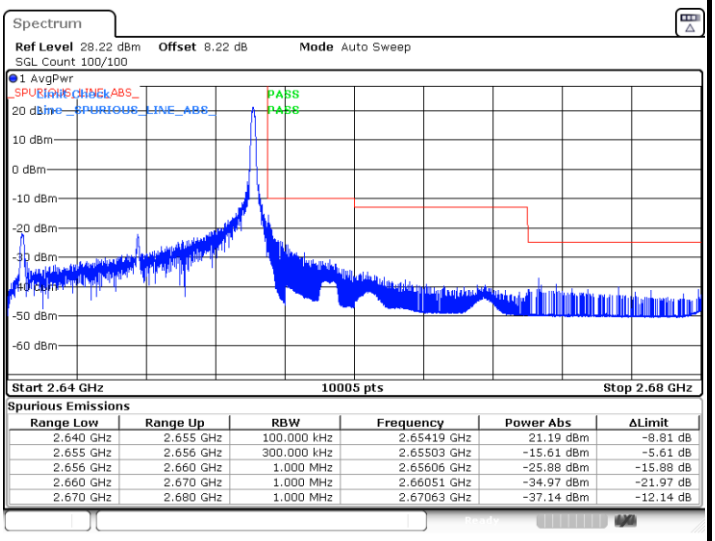



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.510 GHz | 2.520 GHz | 1.000 MHz | 2.51981 GHz | -43.96 dBm | -18.96 dB |
| 2.520 GHz | 2.530 GHz | 1.000 MHz | 2.52901 GHz | -29.12 dBm | -16.12 dB |
| 2.530 GHz | 2.534 GHz | 1.000 MHz | 2.53370 GHz | -23.66 dBm | -13.66 dB |
| 2.534 GHz | 2.535 GHz | 300.000 kHz | 2.53499 GHz | -15.30 dBm | -5.30 dB |
| 2.535 GHz | 2.550 GHz | 100.000 kHz | 2.53585 GHz | 21.22 dBm | -8.78 dB |

Date: 10.OCT.2023 15:07:59

### Highest Band Edge / 1 RB

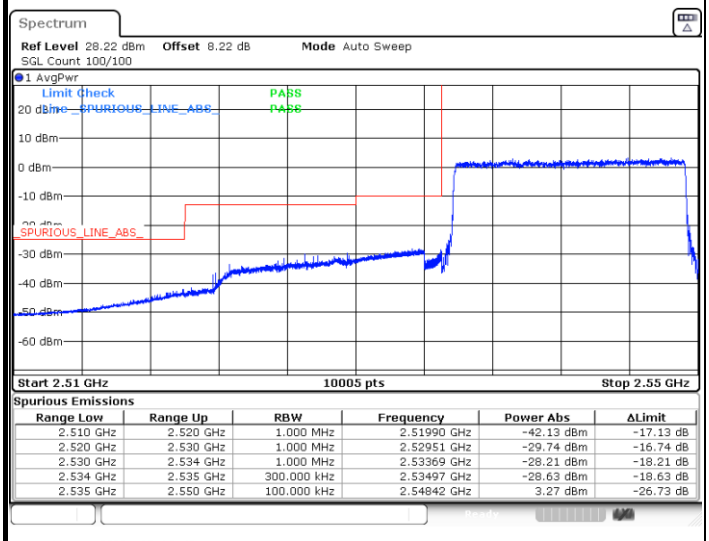



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.640 GHz | 2.655 GHz | 100.000 kHz | 2.65419 GHz | 21.19 dBm | -8.81 dB |
| 2.655 GHz | 2.656 GHz | 300.000 kHz | 2.65503 GHz | -15.61 dBm | -5.61 dB |
| 2.656 GHz | 2.660 GHz | 1.000 MHz | 2.65606 GHz | -25.88 dBm | -15.88 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66051 GHz | -34.97 dBm | -21.97 dB |
| 2.670 GHz | 2.680 GHz | 1.000 MHz | 2.67063 GHz | -37.14 dBm | -12.14 dB |

Date: 10.OCT.2023 15:15:53

### Lowest Band Edge / Full RB

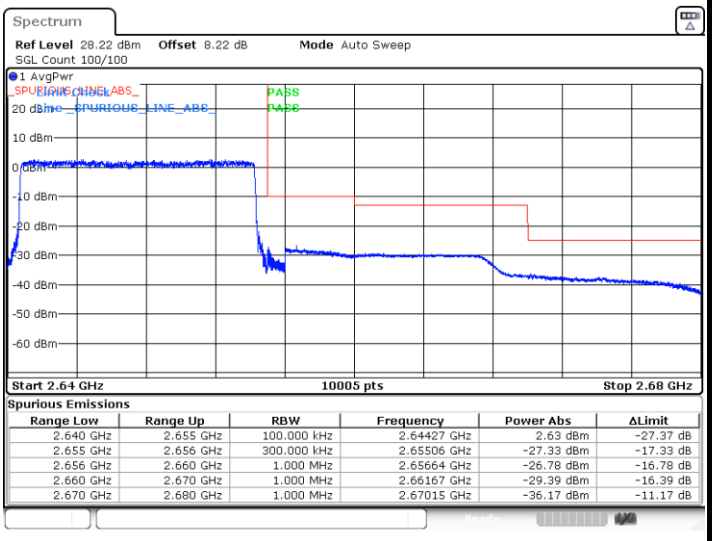



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.510 GHz | 2.520 GHz | 1.000 MHz | 2.51990 GHz | -42.13 dBm | -17.13 dB |
| 2.520 GHz | 2.530 GHz | 1.000 MHz | 2.52951 GHz | -29.74 dBm | -16.74 dB |
| 2.530 GHz | 2.534 GHz | 1.000 MHz | 2.53369 GHz | -28.21 dBm | -18.21 dB |
| 2.534 GHz | 2.535 GHz | 300.000 kHz | 2.53497 GHz | -28.63 dBm | -18.63 dB |
| 2.535 GHz | 2.550 GHz | 100.000 kHz | 2.54842 GHz | 3.27 dBm | -26.73 dB |

Date: 10.OCT.2023 15:10:42

### Highest Band Edge / Full RB



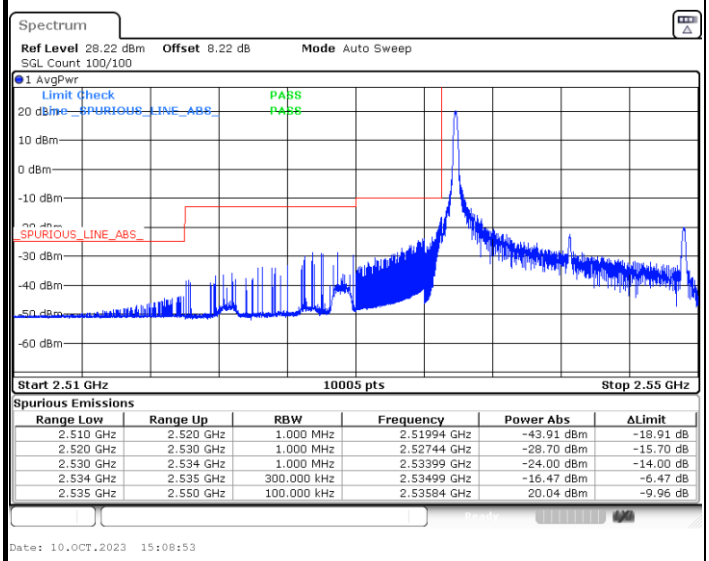

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.640 GHz | 2.655 GHz | 100.000 kHz | 2.64427 GHz | 2.63 dBm | -27.37 dB |
| 2.655 GHz | 2.656 GHz | 300.000 kHz | 2.65506 GHz | -27.33 dBm | -17.33 dB |
| 2.656 GHz | 2.660 GHz | 1.000 MHz | 2.65664 GHz | -26.78 dBm | -16.78 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66167 GHz | -29.39 dBm | -16.39 dB |
| 2.670 GHz | 2.680 GHz | 1.000 MHz | 2.67015 GHz | -36.17 dBm | -11.17 dB |

Date: 10.OCT.2023 15:18:41

## LTE Band 41 / 15MHz / 16QAM

### Lowest Band Edge / 1 RB

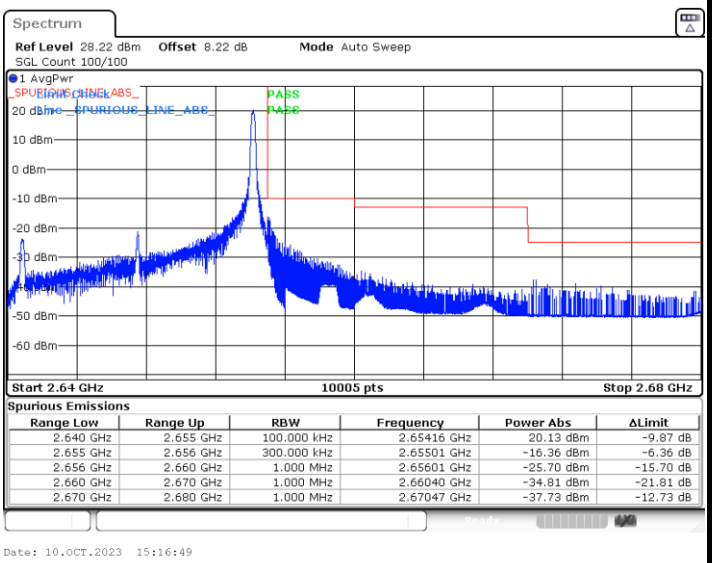



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.510 GHz | 2.520 GHz | 1.000 MHz | 2.51994 GHz | -43.91 dBm | -18.91 dB |
| 2.520 GHz | 2.530 GHz | 1.000 MHz | 2.52744 GHz | -28.70 dBm | -15.70 dB |
| 2.530 GHz | 2.534 GHz | 1.000 MHz | 2.53399 GHz | -24.00 dBm | -14.00 dB |
| 2.534 GHz | 2.535 GHz | 300.000 kHz | 2.53499 GHz | -16.47 dBm | -6.47 dB |
| 2.535 GHz | 2.550 GHz | 100.000 kHz | 2.53584 GHz | 20.04 dBm | -9.96 dB |

Date: 10.OCT.2023 15:08:53

### Highest Band Edge / 1 RB

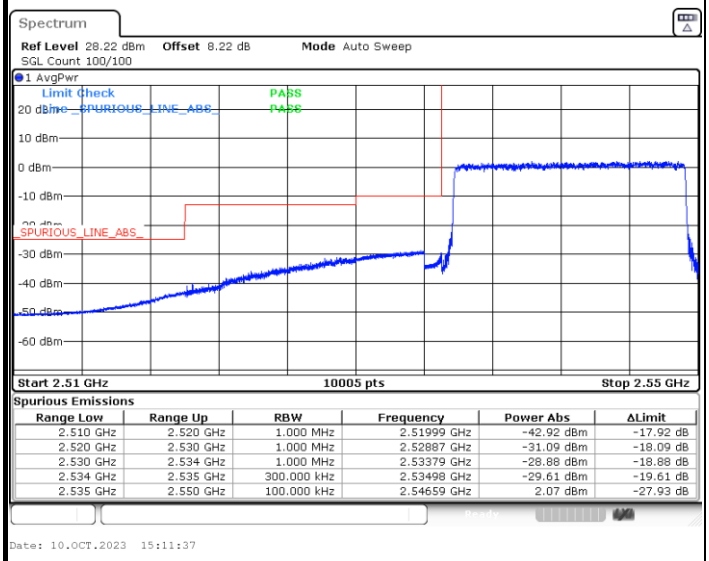



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.640 GHz | 2.655 GHz | 100.000 kHz | 2.65416 GHz | 20.13 dBm | -9.87 dB |
| 2.655 GHz | 2.656 GHz | 300.000 kHz | 2.65501 GHz | -16.36 dBm | -6.36 dB |
| 2.656 GHz | 2.660 GHz | 1.000 MHz | 2.65601 GHz | -25.70 dBm | -15.70 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66040 GHz | -34.81 dBm | -21.81 dB |
| 2.670 GHz | 2.680 GHz | 1.000 MHz | 2.67047 GHz | -37.73 dBm | -12.73 dB |

Date: 10.OCT.2023 15:16:49

### Lowest Band Edge / Full RB

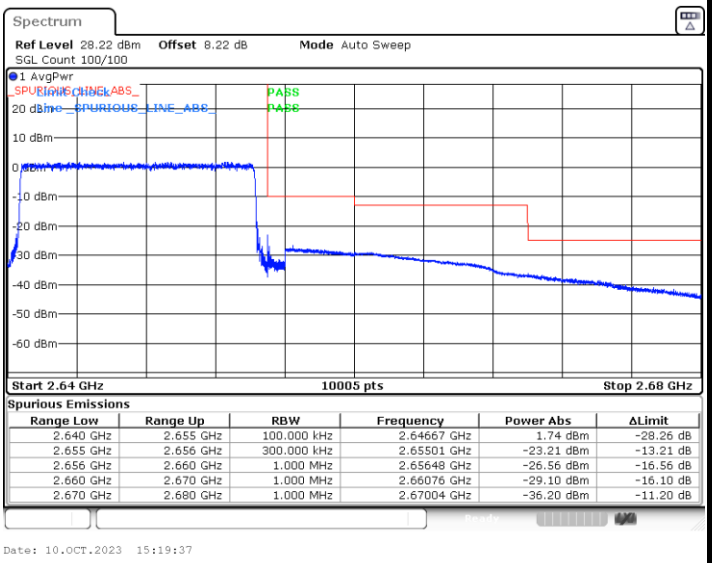



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.510 GHz | 2.520 GHz | 1.000 MHz | 2.51999 GHz | -42.92 dBm | -17.92 dB |
| 2.520 GHz | 2.530 GHz | 1.000 MHz | 2.52887 GHz | -31.09 dBm | -18.09 dB |
| 2.530 GHz | 2.534 GHz | 1.000 MHz | 2.53379 GHz | -28.88 dBm | -18.88 dB |
| 2.534 GHz | 2.535 GHz | 300.000 kHz | 2.53498 GHz | -29.61 dBm | -19.61 dB |
| 2.535 GHz | 2.550 GHz | 100.000 kHz | 2.54659 GHz | 2.07 dBm | -27.93 dB |

Date: 10.OCT.2023 15:11:37

### Highest Band Edge / Full RB



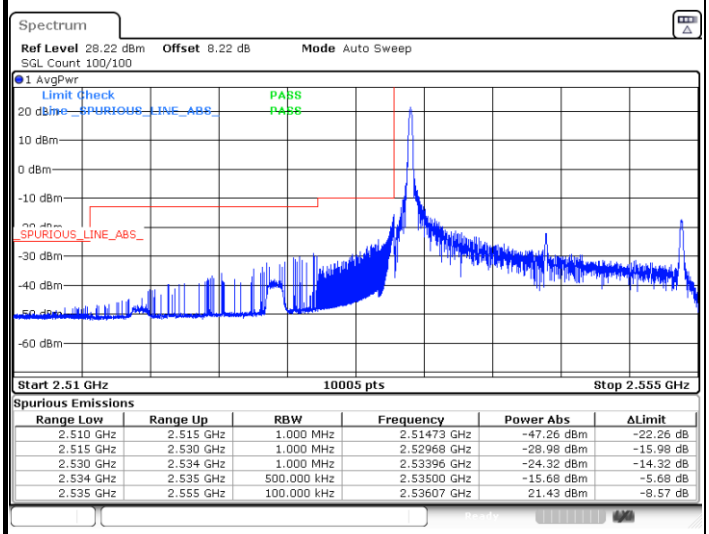

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.640 GHz | 2.655 GHz | 100.000 kHz | 2.64667 GHz | 1.74 dBm | -28.26 dB |
| 2.655 GHz | 2.656 GHz | 300.000 kHz | 2.65501 GHz | -23.21 dBm | -13.21 dB |
| 2.656 GHz | 2.660 GHz | 1.000 MHz | 2.65648 GHz | -26.56 dBm | -16.56 dB |
| 2.660 GHz | 2.670 GHz | 1.000 MHz | 2.66076 GHz | -29.10 dBm | -16.10 dB |
| 2.670 GHz | 2.680 GHz | 1.000 MHz | 2.67004 GHz | -36.20 dBm | -11.20 dB |

Date: 10.OCT.2023 15:19:37

## LTE Band 41 / 20MHz / QPSK

### Lowest Band Edge / 1 RB

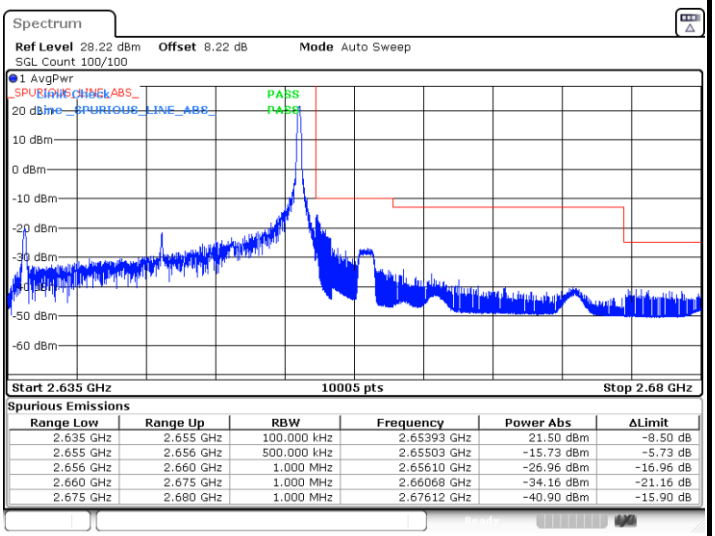



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.510 GHz | 2.515 GHz | 1.000 MHz | 2.51473 GHz | -47.26 dBm | -22.26 dB |
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52968 GHz | -28.98 dBm | -15.98 dB |
| 2.530 GHz | 2.534 GHz | 1.000 MHz | 2.53396 GHz | -24.32 dBm | -14.32 dB |
| 2.534 GHz | 2.535 GHz | 500.000 kHz | 2.53500 GHz | -15.68 dBm | -5.68 dB |
| 2.535 GHz | 2.555 GHz | 100.000 kHz | 2.53607 GHz | 21.43 dBm | -8.57 dB |

Date: 10.OCT.2023 15:22:40

### Highest Band Edge / 1 RB

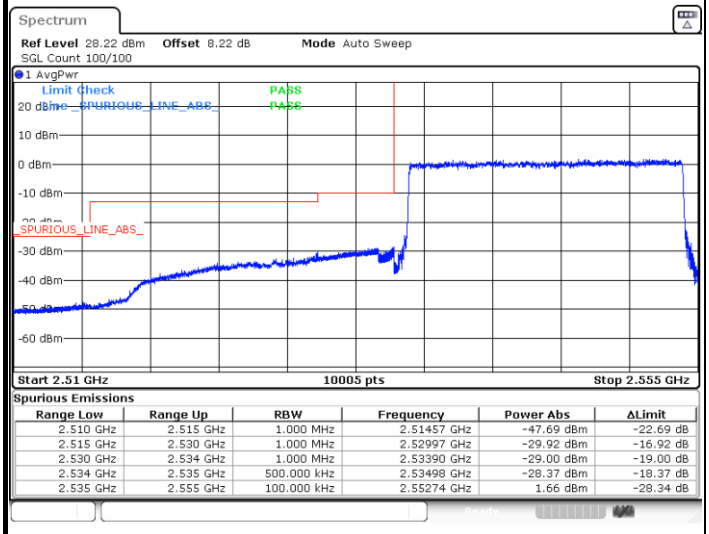



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.635 GHz | 2.655 GHz | 100.000 kHz | 2.65393 GHz | 21.50 dBm | -8.50 dB |
| 2.655 GHz | 2.656 GHz | 500.000 kHz | 2.65503 GHz | -15.73 dBm | -5.73 dB |
| 2.656 GHz | 2.660 GHz | 1.000 MHz | 2.65610 GHz | -26.96 dBm | -16.96 dB |
| 2.660 GHz | 2.675 GHz | 1.000 MHz | 2.66068 GHz | -34.16 dBm | -21.16 dB |
| 2.675 GHz | 2.680 GHz | 1.000 MHz | 2.67612 GHz | -40.90 dBm | -15.90 dB |

Date: 10.OCT.2023 15:30:34

### Lowest Band Edge / Full RB

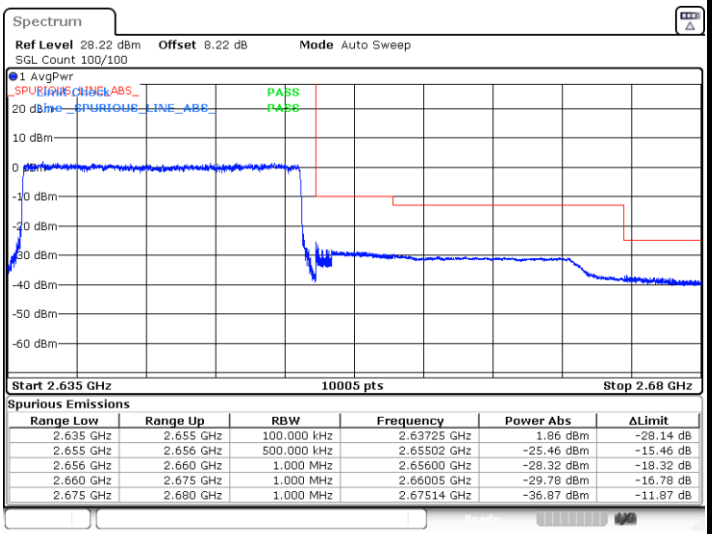



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.510 GHz | 2.515 GHz | 1.000 MHz | 2.51457 GHz | -47.69 dBm | -22.69 dB |
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52997 GHz | -29.92 dBm | -16.92 dB |
| 2.530 GHz | 2.534 GHz | 1.000 MHz | 2.53390 GHz | -29.00 dBm | -19.00 dB |
| 2.534 GHz | 2.535 GHz | 500.000 kHz | 2.53498 GHz | -28.37 dBm | -18.37 dB |
| 2.535 GHz | 2.555 GHz | 100.000 kHz | 2.55274 GHz | 1.66 dBm | -28.34 dB |

Date: 10.OCT.2023 15:25:25

### Highest Band Edge / Full RB



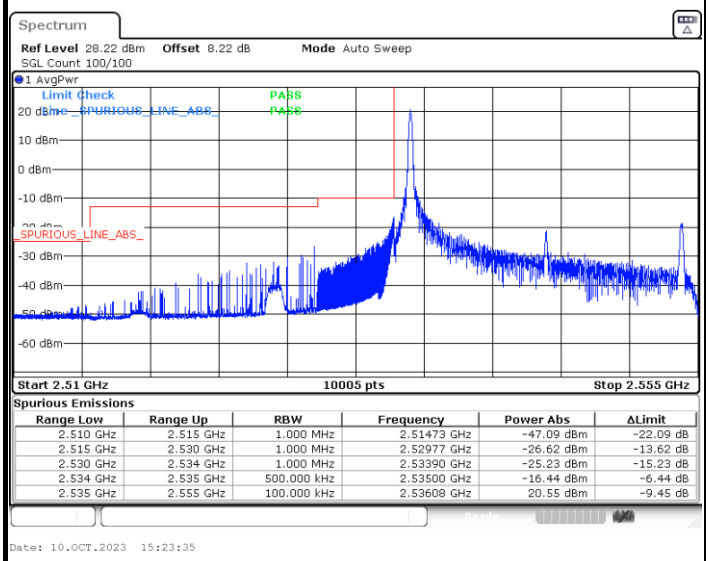

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.635 GHz | 2.655 GHz | 100.000 kHz | 2.63725 GHz | 1.86 dBm | -28.14 dB |
| 2.655 GHz | 2.656 GHz | 500.000 kHz | 2.65502 GHz | -25.46 dBm | -15.46 dB |
| 2.656 GHz | 2.660 GHz | 1.000 MHz | 2.65600 GHz | -28.32 dBm | -18.32 dB |
| 2.660 GHz | 2.675 GHz | 1.000 MHz | 2.66005 GHz | -29.78 dBm | -16.78 dB |
| 2.675 GHz | 2.680 GHz | 1.000 MHz | 2.67514 GHz | -36.87 dBm | -11.87 dB |

Date: 10.OCT.2023 15:35:11

## LTE Band 41 / 20MHz / 16QAM

### Lowest Band Edge / 1 RB

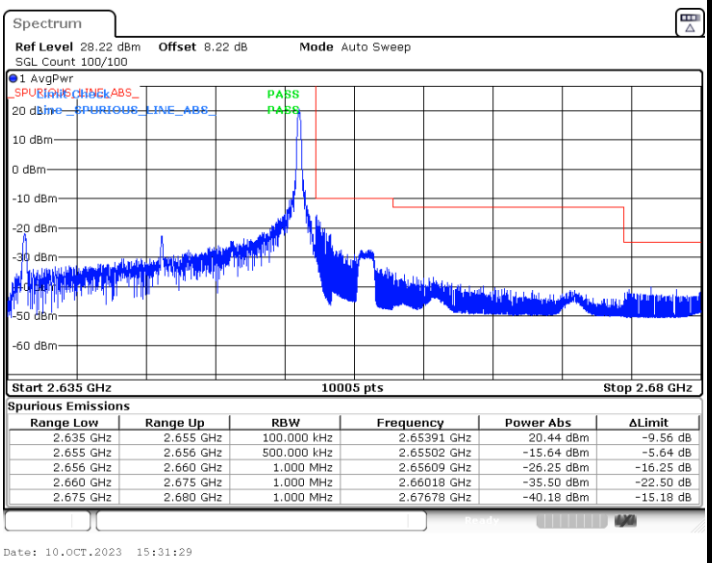



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.510 GHz | 2.515 GHz | 1.000 MHz | 2.51473 GHz | -47.09 dBm | -22.09 dB |
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52977 GHz | -26.62 dBm | -13.62 dB |
| 2.530 GHz | 2.534 GHz | 1.000 MHz | 2.53390 GHz | -25.23 dBm | -15.23 dB |
| 2.534 GHz | 2.535 GHz | 500.000 kHz | 2.53500 GHz | -16.44 dBm | -6.44 dB |
| 2.535 GHz | 2.555 GHz | 100.000 kHz | 2.53608 GHz | 20.55 dBm | -9.45 dB |

Date: 10.OCT.2023 15:23:35

### Highest Band Edge / 1 RB

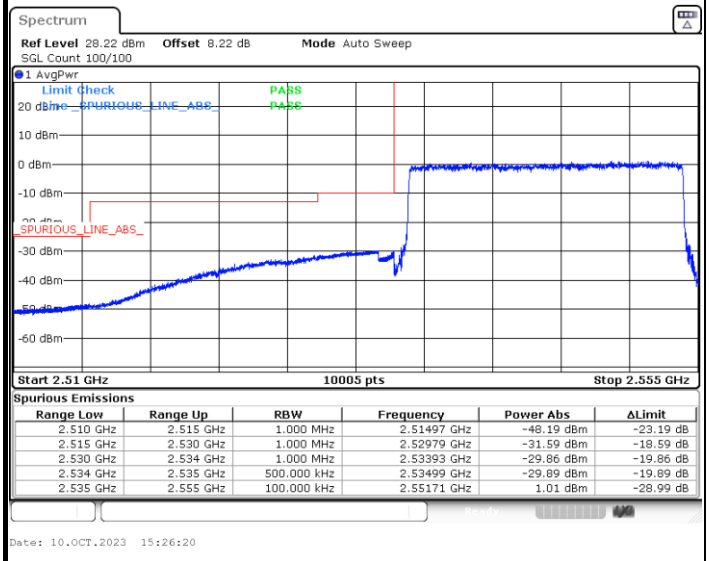



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.635 GHz | 2.655 GHz | 100.000 kHz | 2.65391 GHz | 20.44 dBm | -9.56 dB |
| 2.655 GHz | 2.656 GHz | 500.000 kHz | 2.65502 GHz | -15.64 dBm | -5.64 dB |
| 2.656 GHz | 2.660 GHz | 1.000 MHz | 2.65609 GHz | -26.25 dBm | -16.25 dB |
| 2.660 GHz | 2.675 GHz | 1.000 MHz | 2.66018 GHz | -35.50 dBm | -22.50 dB |
| 2.675 GHz | 2.680 GHz | 1.000 MHz | 2.67678 GHz | -40.18 dBm | -15.18 dB |

Date: 10.OCT.2023 15:31:29

### Lowest Band Edge / Full RB

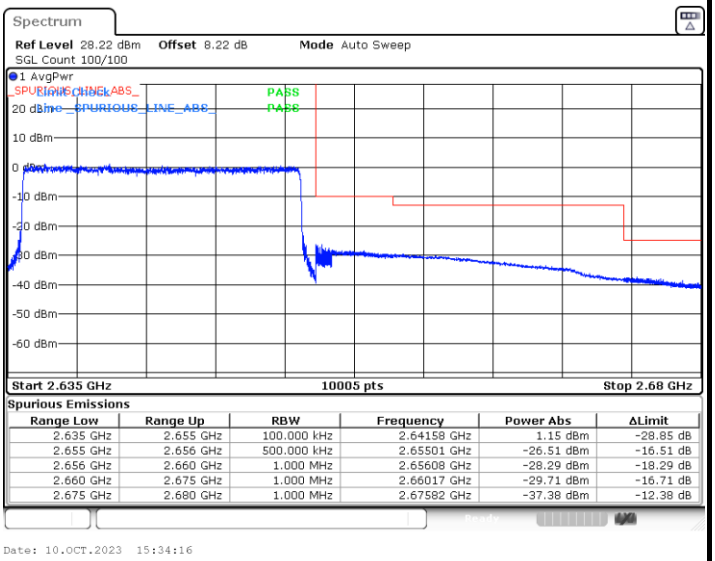



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.510 GHz | 2.515 GHz | 1.000 MHz | 2.51497 GHz | -48.19 dBm | -23.19 dB |
| 2.515 GHz | 2.530 GHz | 1.000 MHz | 2.52979 GHz | -31.59 dBm | -18.59 dB |
| 2.530 GHz | 2.534 GHz | 1.000 MHz | 2.53393 GHz | -29.86 dBm | -19.86 dB |
| 2.534 GHz | 2.535 GHz | 500.000 kHz | 2.53499 GHz | -29.89 dBm | -19.89 dB |
| 2.535 GHz | 2.555 GHz | 100.000 kHz | 2.55171 GHz | 1.01 dBm | -28.99 dB |

Date: 10.OCT.2023 15:26:20

### Highest Band Edge / Full RB




Spurious Emissions

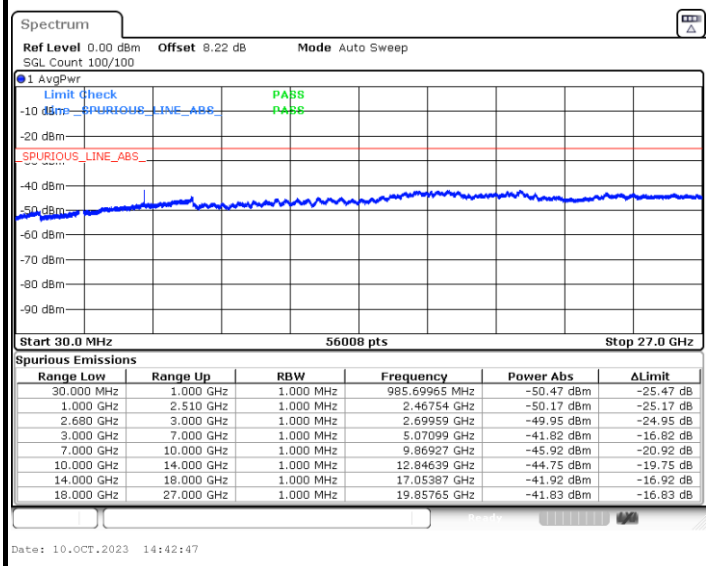
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.635 GHz | 2.655 GHz | 100.000 kHz | 2.64158 GHz | 1.15 dBm | -28.85 dB |
| 2.655 GHz | 2.656 GHz | 500.000 kHz | 2.65501 GHz | -26.51 dBm | -16.51 dB |
| 2.656 GHz | 2.660 GHz | 1.000 MHz | 2.65608 GHz | -28.29 dBm | -18.29 dB |
| 2.660 GHz | 2.675 GHz | 1.000 MHz | 2.66017 GHz | -29.71 dBm | -16.71 dB |
| 2.675 GHz | 2.680 GHz | 1.000 MHz | 2.67582 GHz | -37.38 dBm | -12.38 dB |

Date: 10.OCT.2023 15:34:16

# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

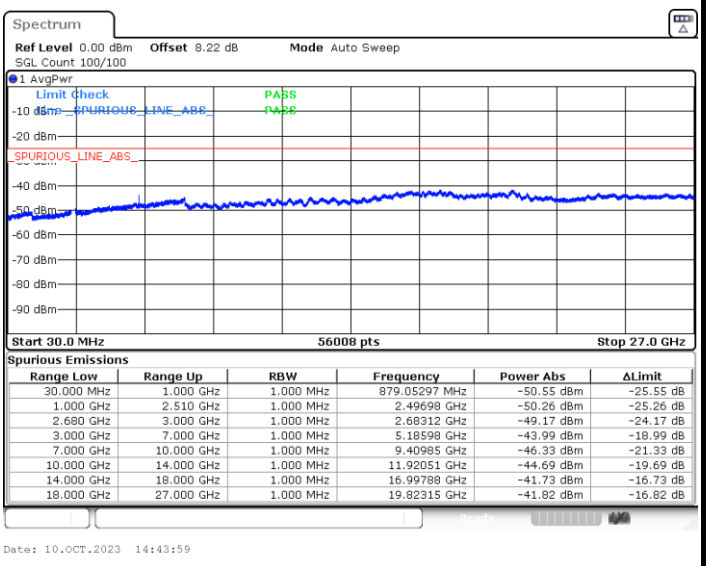



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 985.69965 MHz | -50.47 dBm | -25.47 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.46754 GHz | -50.17 dBm | -25.17 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.69959 GHz | -49.95 dBm | -24.95 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.07099 GHz | -41.82 dBm | -16.82 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.86927 GHz | -45.92 dBm | -20.92 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84639 GHz | -44.75 dBm | -19.75 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05387 GHz | -41.92 dBm | -16.92 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.85765 GHz | -41.83 dBm | -16.83 dB |

Date: 10.OCT.2023 14:42:47

### Middle Channel / QPSK

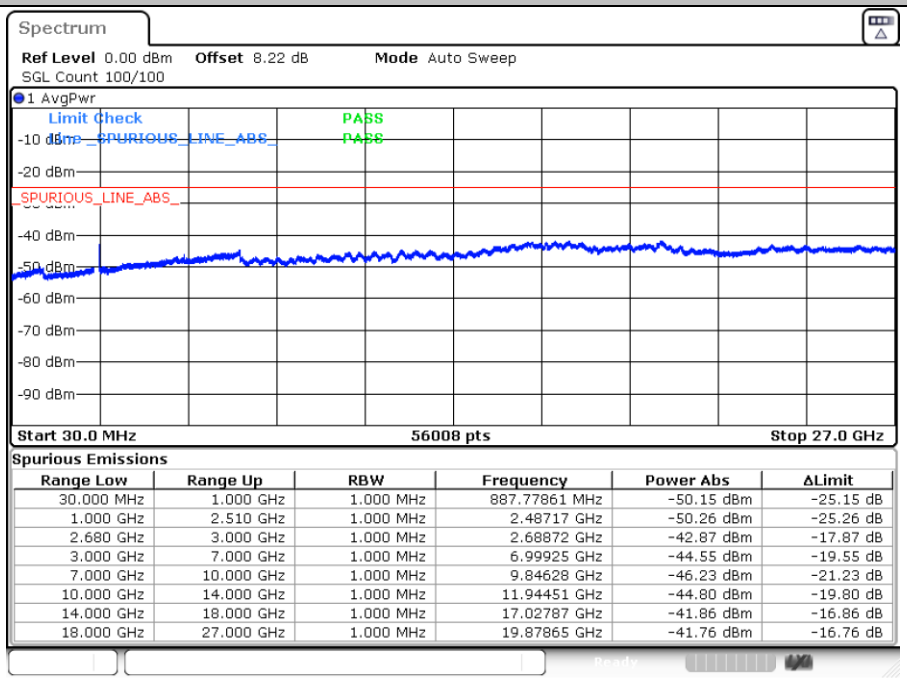



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 879.05297 MHz | -50.55 dBm | -25.55 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.49698 GHz | -50.26 dBm | -25.26 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.68312 GHz | -49.17 dBm | -24.17 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.18598 GHz | -43.99 dBm | -18.99 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.40985 GHz | -46.33 dBm | -21.33 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.92051 GHz | -44.69 dBm | -19.69 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.99788 GHz | -41.73 dBm | -16.73 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.82315 GHz | -41.82 dBm | -16.82 dB |

Date: 10.OCT.2023 14:43:59

### Highest Channel / QPSK



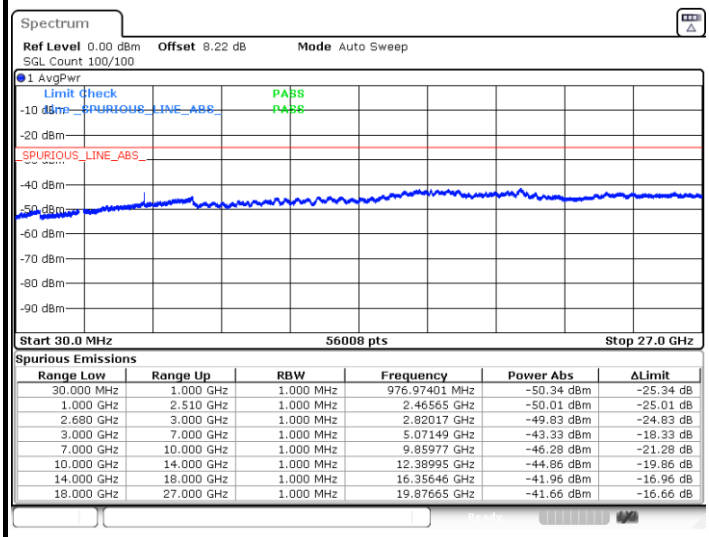

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 887.77861 MHz | -50.15 dBm | -25.15 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.48717 GHz | -50.26 dBm | -25.26 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.68872 GHz | -42.87 dBm | -17.87 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99925 GHz | -44.55 dBm | -19.55 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.84628 GHz | -46.23 dBm | -21.23 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.94451 GHz | -44.80 dBm | -19.80 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.02787 GHz | -41.86 dBm | -16.86 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87865 GHz | -41.76 dBm | -16.76 dB |

Date: 10.OCT.2023 14:52:07

## LTE Band 41 / 10MHz

### Lowest Channel / QPSK

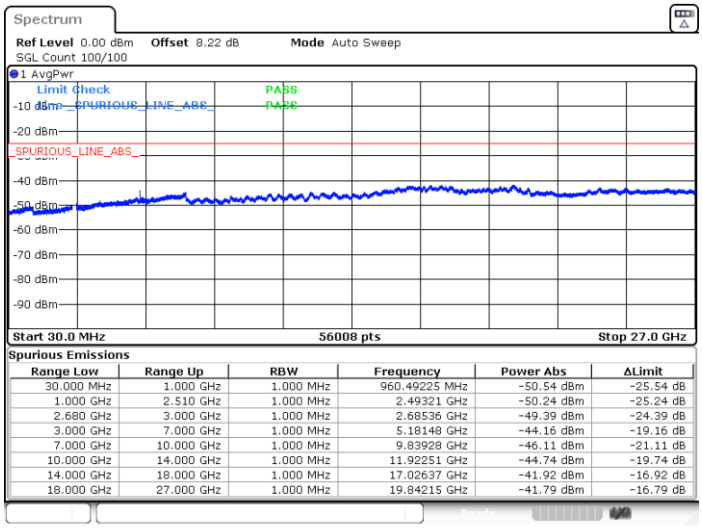



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 976.97401 MHz | -50.34 dBm | -25.34 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.46565 GHz | -50.01 dBm | -25.01 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.82017 GHz | -49.83 dBm | -24.83 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.07149 GHz | -43.33 dBm | -18.33 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.85977 GHz | -46.28 dBm | -21.28 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.38995 GHz | -44.86 dBm | -19.86 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.35646 GHz | -41.96 dBm | -16.96 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87665 GHz | -41.66 dBm | -16.66 dB |

Date: 10.OCT.2023 14:59:36

### Middle Channel / QPSK

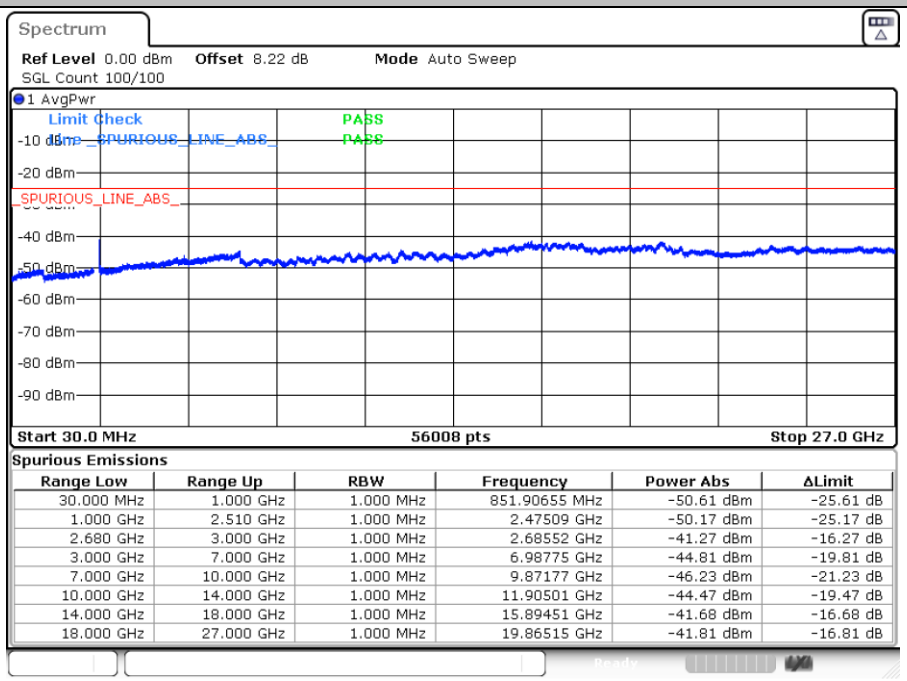



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 960.49225 MHz | -50.54 dBm | -25.54 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.49321 GHz | -50.24 dBm | -25.24 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.68536 GHz | -49.39 dBm | -24.39 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.18148 GHz | -44.16 dBm | -19.16 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.83928 GHz | -46.11 dBm | -21.11 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.92251 GHz | -44.74 dBm | -19.74 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.02637 GHz | -41.92 dBm | -16.92 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.84215 GHz | -41.79 dBm | -16.79 dB |

Date: 10.OCT.2023 15:00:48

### Highest Channel / QPSK



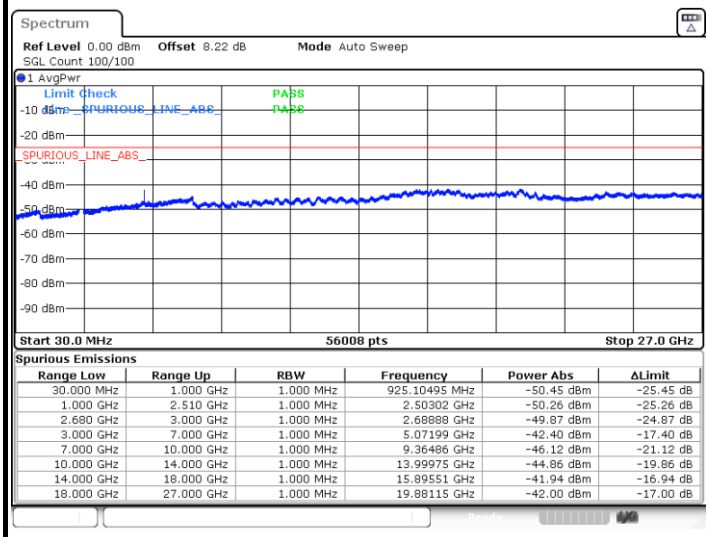

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 851.90655 MHz | -50.61 dBm | -25.61 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.47509 GHz | -50.17 dBm | -25.17 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.68552 GHz | -41.27 dBm | -16.27 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98775 GHz | -44.81 dBm | -19.81 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.87177 GHz | -46.23 dBm | -21.23 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.90501 GHz | -44.47 dBm | -19.47 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.89451 GHz | -41.68 dBm | -16.68 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86515 GHz | -41.81 dBm | -16.81 dB |

Date: 10.OCT.2023 15:07:03

## LTE Band 41 / 15MHz

### Lowest Channel / QPSK

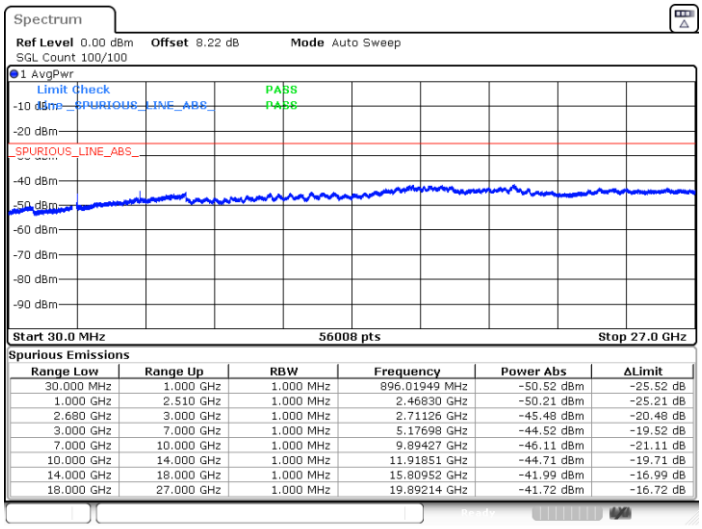



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 925.10495 MHz | -50.45 dBm | -25.45 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.50302 GHz | -50.26 dBm | -25.26 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.68888 GHz | -49.87 dBm | -24.87 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.07199 GHz | -42.40 dBm | -17.40 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.36486 GHz | -46.12 dBm | -21.12 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 13.99975 GHz | -44.86 dBm | -19.86 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.89551 GHz | -41.94 dBm | -16.94 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.88115 GHz | -42.00 dBm | -17.00 dB |

Date: 10.OCT.2023 15:13:44

### Middle Channel / QPSK

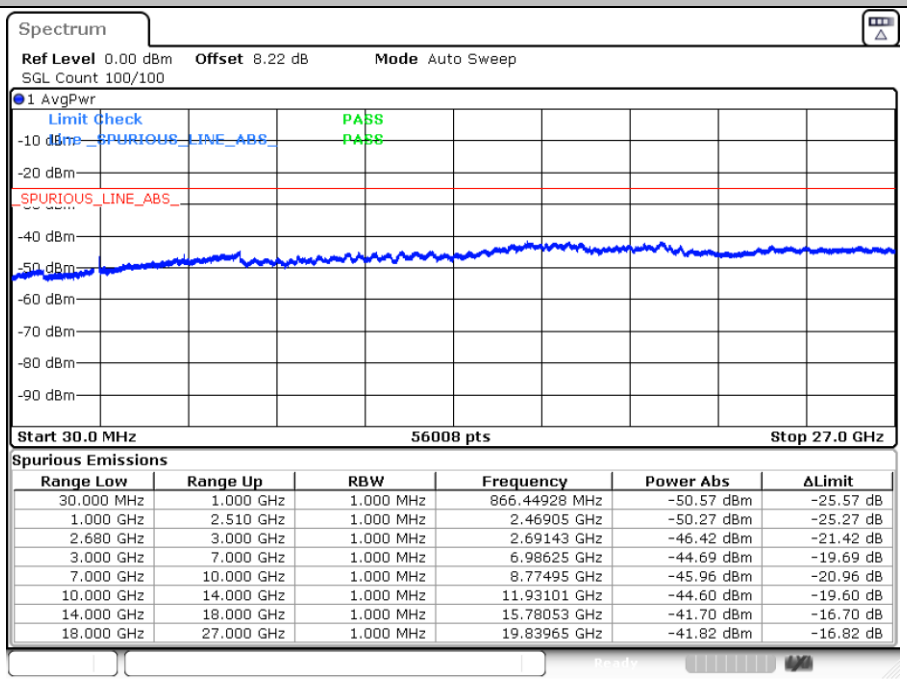



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 896.01949 MHz | -50.52 dBm | -25.52 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.46830 GHz | -50.21 dBm | -25.21 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.71126 GHz | -45.48 dBm | -20.48 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.17698 GHz | -44.52 dBm | -19.52 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.89427 GHz | -46.11 dBm | -21.11 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.91851 GHz | -44.71 dBm | -19.71 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.80952 GHz | -41.99 dBm | -16.99 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.89214 GHz | -41.72 dBm | -16.72 dB |

Date: 10.OCT.2023 15:14:56

### Highest Channel / QPSK



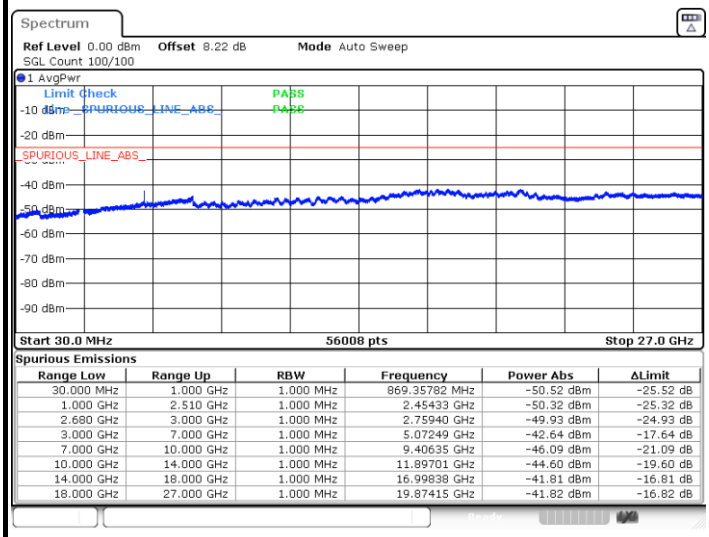

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 866.44928 MHz | -50.57 dBm | -25.57 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.46905 GHz | -50.27 dBm | -25.27 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.69143 GHz | -46.42 dBm | -21.42 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98625 GHz | -44.69 dBm | -19.69 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 8.77495 GHz | -45.96 dBm | -20.96 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.93101 GHz | -44.60 dBm | -19.60 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 15.78053 GHz | -41.70 dBm | -16.70 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.83965 GHz | -41.82 dBm | -16.82 dB |

Date: 10.OCT.2023 15:21:44

## LTE Band 41 / 20MHz

### Lowest Channel / QPSK

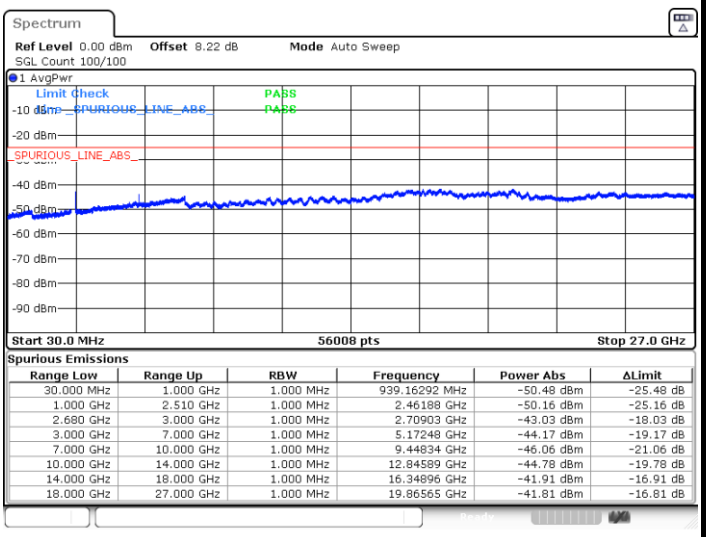



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 869.35782 MHz | -50.52 dBm | -25.52 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.45433 GHz | -50.32 dBm | -25.32 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.75940 GHz | -49.93 dBm | -24.93 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.07249 GHz | -42.64 dBm | -17.64 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.40635 GHz | -46.09 dBm | -21.09 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 11.89701 GHz | -44.60 dBm | -19.60 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.99838 GHz | -41.81 dBm | -16.81 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.87415 GHz | -41.82 dBm | -16.82 dB |

Date: 10.OCT.2023 15:28:26

### Middle Channel / QPSK

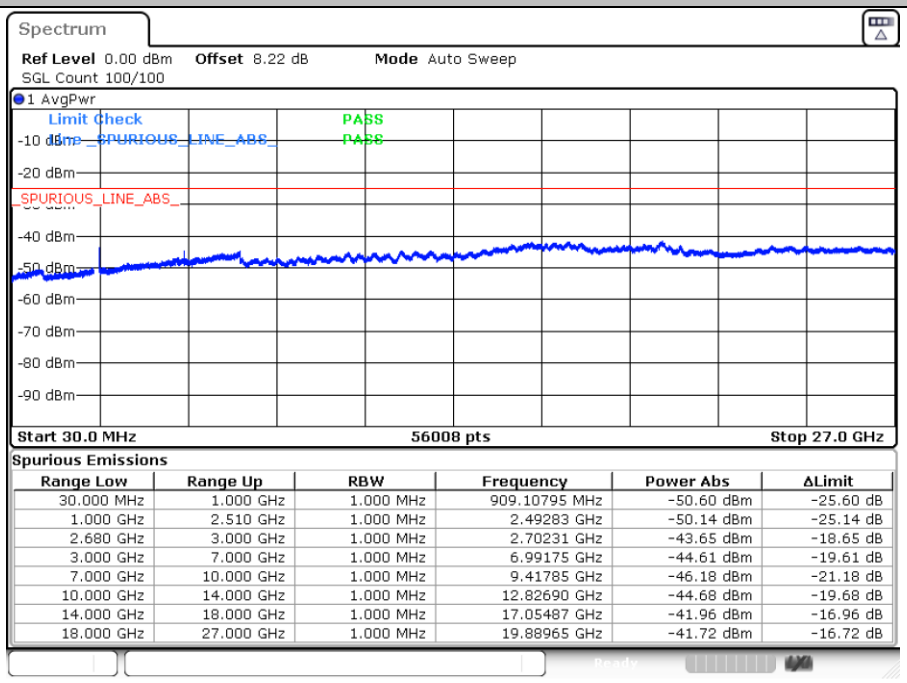



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 939.16292 MHz | -50.48 dBm | -25.48 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.46188 GHz | -50.16 dBm | -25.16 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.70903 GHz | -43.03 dBm | -18.03 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.17248 GHz | -44.17 dBm | -19.17 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.44834 GHz | -46.06 dBm | -21.06 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.84589 GHz | -44.78 dBm | -19.78 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 16.34896 GHz | -41.91 dBm | -16.91 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.86565 GHz | -41.81 dBm | -16.81 dB |

Date: 10.OCT.2023 15:29:38

### Highest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 909.10795 MHz | -50.60 dBm | -25.60 dB |
| 1.000 GHz | 2.510 GHz | 1.000 MHz | 2.49283 GHz | -50.14 dBm | -25.14 dB |
| 2.680 GHz | 3.000 GHz | 1.000 MHz | 2.70231 GHz | -43.65 dBm | -18.65 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99175 GHz | -44.61 dBm | -19.61 dB |
| 7.000 GHz | 10.000 GHz | 1.000 MHz | 9.41785 GHz | -46.18 dBm | -21.18 dB |
| 10.000 GHz | 14.000 GHz | 1.000 MHz | 12.82690 GHz | -44.68 dBm | -19.68 dB |
| 14.000 GHz | 18.000 GHz | 1.000 MHz | 17.05487 GHz | -41.96 dBm | -16.96 dB |
| 18.000 GHz | 27.000 GHz | 1.000 MHz | 19.88965 GHz | -41.72 dBm | -16.72 dB |

Date: 10.OCT.2023 15:36:23

# Frequency Stability

| Test Conditions | | LTE Band 41 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0026 | PASS |
| 40 | Normal Voltage | 0.0013 | |
| 30 | Normal Voltage | 0.0017 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0036 | |
| 0 | Normal Voltage | 0.0048 | |
| -10 | Normal Voltage | 0.0003 | |
| -20 | Normal Voltage | 0.0014 | |
| -30 | Normal Voltage | 0.0032 | |
| 20 | Maximum Voltage | 0.0019 | |
| 20 | Normal Voltage | 0.0034 | |
| 20 | Battery End Point | 0.0022 | |

**Note:**

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

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

| LTE Band 5 / 10MHz / QPSK | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1664 | -63.37 | -13 | -50.37 | -70.34 | 1.58 | 10.70 | H |
| | 2496 | -61.50 | -13 | -48.50 | -69.75 | 2.102 | 12.50 | H |
| | 3328 | -61.66 | -13 | -48.66 | -70.55 | 2.856 | 13.90 | H |
| | 1664 | -59.51 | -13 | -46.51 | -66.48 | 1.58 | 10.70 | V |
| | 2496 | -58.80 | -13 | -45.80 | -67.05 | 2.10 | 12.50 | V |
| | 3328 | -61.30 | -13 | -48.30 | -70.19 | 2.86 | 13.90 | V |

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

| LTE Band 41 / 20MHz / QPSK | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 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 | 5162 | -64.73 | -25 | -39.73 | -74.94 | 3.03 | 13.24 | H |
| | 7752 | -61.71 | -25 | -36.71 | -71.16 | 3.56 | 13.01 | H |
| | 10336 | -59.72 | -25 | -34.72 | -69.24 | 3.92 | 13.44 | H |
| | 5162 | -64.70 | -25 | -39.70 | -74.91 | 3.03 | 13.24 | V |
| | 7752 | -62.01 | -25 | -37.01 | -71.46 | 3.56 | 13.01 | V |
| | 10336 | -60.10 | -25 | -35.10 | -69.62 | 3.92 | 13.44 | V |

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