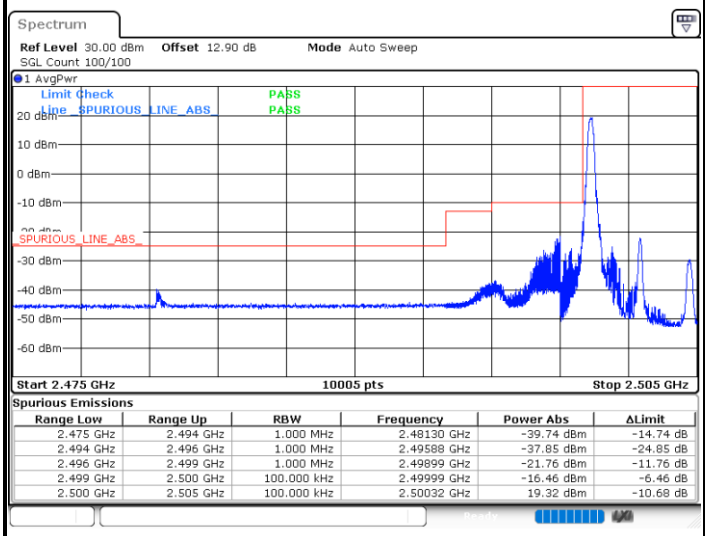
## LTE Band 7 / 5MHz / 16QAM

### Lowest Band Edge / 1RB

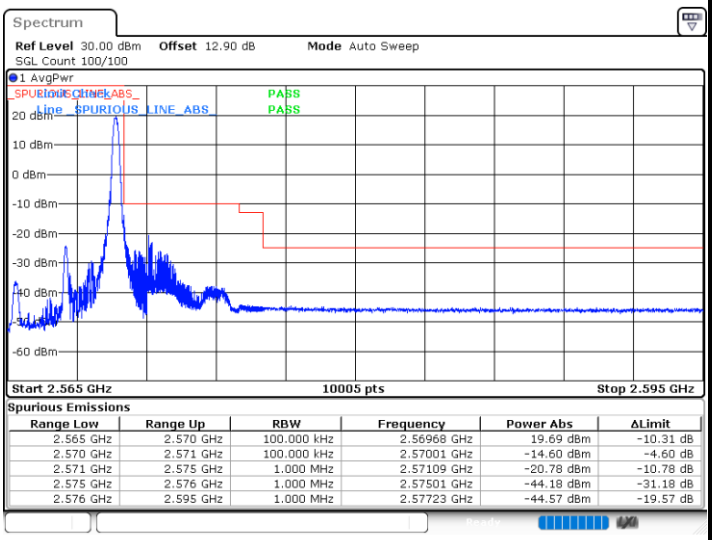



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.494 GHz | 1.000 MHz | 2.48130 GHz | -39.74 dBm | -14.74 dB |
| 2.494 GHz | 2.496 GHz | 1.000 MHz | 2.49588 GHz | -37.85 dBm | -24.85 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49899 GHz | -21.76 dBm | -11.76 dB |
| 2.499 GHz | 2.500 GHz | 100.000 kHz | 2.49999 GHz | -16.46 dBm | -6.46 dB |
| 2.500 GHz | 2.505 GHz | 100.000 kHz | 2.50032 GHz | 19.32 dBm | -10.68 dB |

Date: 28.FEB.2025 00:26:48

### Highest Band Edge / 1 RB

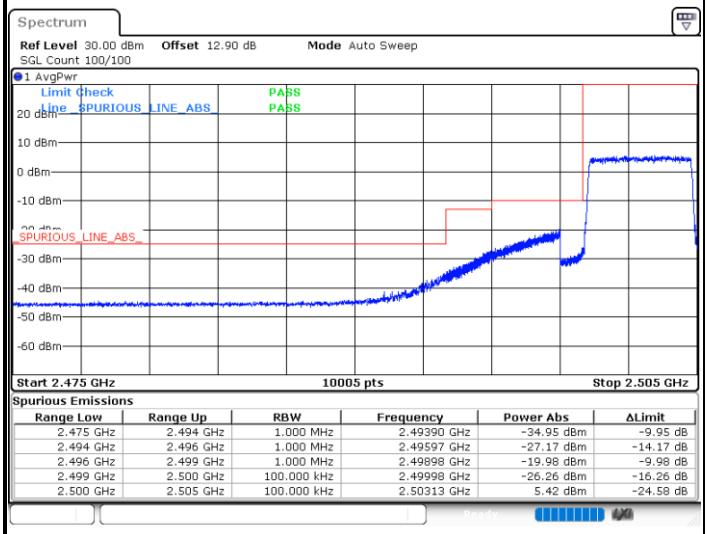



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.565 GHz | 2.570 GHz | 100.000 kHz | 2.56968 GHz | 19.69 dBm | -10.31 dB |
| 2.570 GHz | 2.571 GHz | 100.000 kHz | 2.57001 GHz | -14.60 dBm | -4.60 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57109 GHz | -20.78 dBm | -10.78 dB |
| 2.575 GHz | 2.576 GHz | 1.000 MHz | 2.57501 GHz | -44.18 dBm | -31.18 dB |
| 2.576 GHz | 2.595 GHz | 1.000 MHz | 2.57723 GHz | -44.57 dBm | -19.57 dB |

Date: 28.FEB.2025 09:47:44

### Lowest Band Edge / Full RB

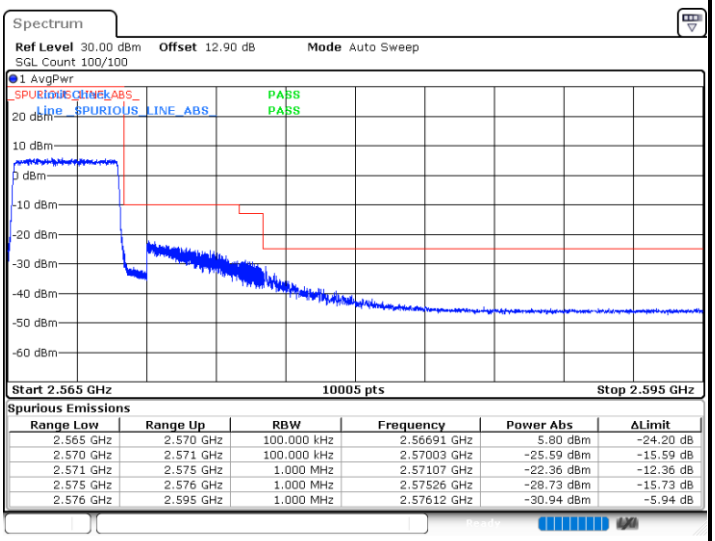



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.494 GHz | 1.000 MHz | 2.49390 GHz | -34.95 dBm | -9.95 dB |
| 2.494 GHz | 2.496 GHz | 1.000 MHz | 2.49597 GHz | -27.17 dBm | -14.17 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49898 GHz | -19.98 dBm | -9.98 dB |
| 2.499 GHz | 2.500 GHz | 100.000 kHz | 2.49998 GHz | -26.26 dBm | -16.26 dB |
| 2.500 GHz | 2.505 GHz | 100.000 kHz | 2.50313 GHz | 5.42 dBm | -24.58 dB |

Date: 28.FEB.2025 00:33:22

### Highest Band Edge / Full RB



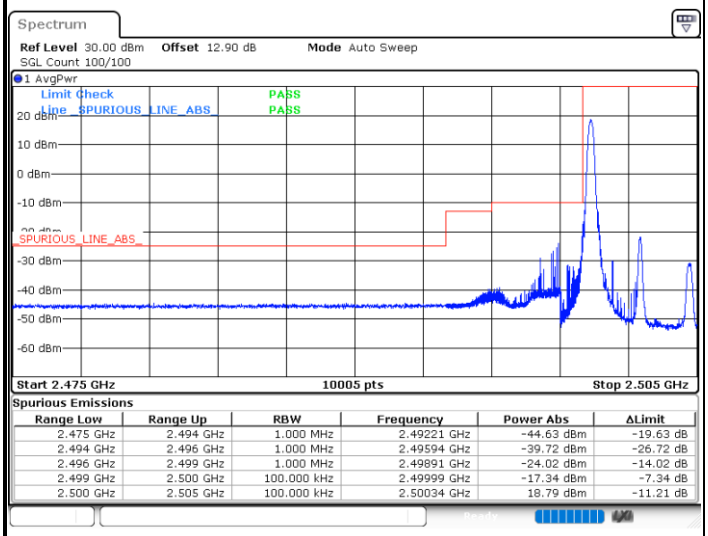

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.565 GHz | 2.570 GHz | 100.000 kHz | 2.56691 GHz | 5.80 dBm | -24.20 dB |
| 2.570 GHz | 2.571 GHz | 100.000 kHz | 2.57003 GHz | -25.59 dBm | -15.59 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57107 GHz | -22.36 dBm | -12.36 dB |
| 2.575 GHz | 2.576 GHz | 1.000 MHz | 2.57526 GHz | -28.73 dBm | -15.73 dB |
| 2.576 GHz | 2.595 GHz | 1.000 MHz | 2.57612 GHz | -30.94 dBm | -5.94 dB |

Date: 28.FEB.2025 09:49:04

## LTE Band 7 / 5MHz / 64QAM

### Lowest Band Edge / 1RB

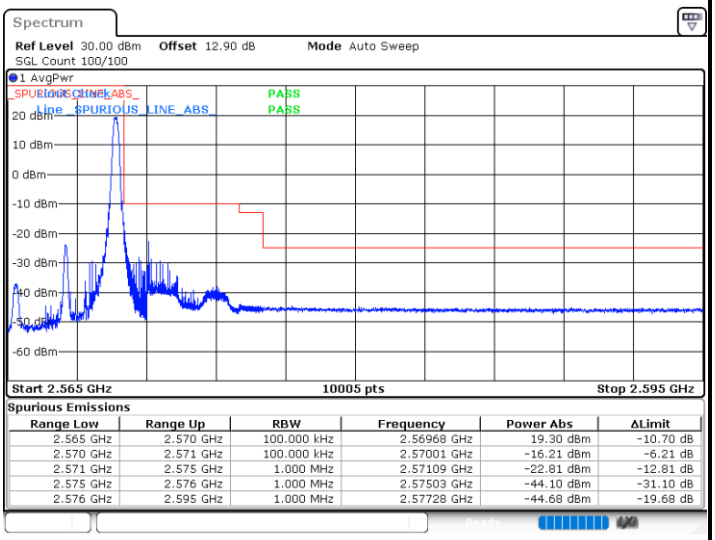



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.494 GHz | 1.000 MHz | 2.49221 GHz | -44.63 dBm | -19.63 dB |
| 2.494 GHz | 2.496 GHz | 1.000 MHz | 2.49594 GHz | -39.72 dBm | -26.72 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49891 GHz | -24.02 dBm | -14.02 dB |
| 2.499 GHz | 2.500 GHz | 100.000 kHz | 2.49999 GHz | -17.34 dBm | -7.34 dB |
| 2.500 GHz | 2.505 GHz | 100.000 kHz | 2.50034 GHz | 18.79 dBm | -11.21 dB |

Date: 28.FEB.2025 00:28:53

### Highest Band Edge / 1 RB

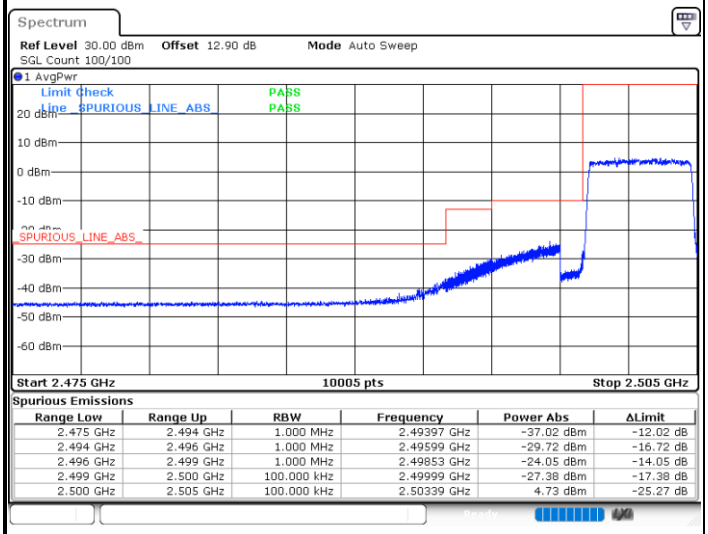



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.565 GHz | 2.570 GHz | 100.000 kHz | 2.56968 GHz | 19.30 dBm | -10.70 dB |
| 2.570 GHz | 2.571 GHz | 100.000 kHz | 2.57001 GHz | -16.21 dBm | -6.21 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57109 GHz | -22.81 dBm | -12.81 dB |
| 2.575 GHz | 2.576 GHz | 1.000 MHz | 2.57503 GHz | -44.10 dBm | -31.10 dB |
| 2.576 GHz | 2.595 GHz | 1.000 MHz | 2.57728 GHz | -44.68 dBm | -19.68 dB |

Date: 28.FEB.2025 09:48:09

### Lowest Band Edge / Full RB

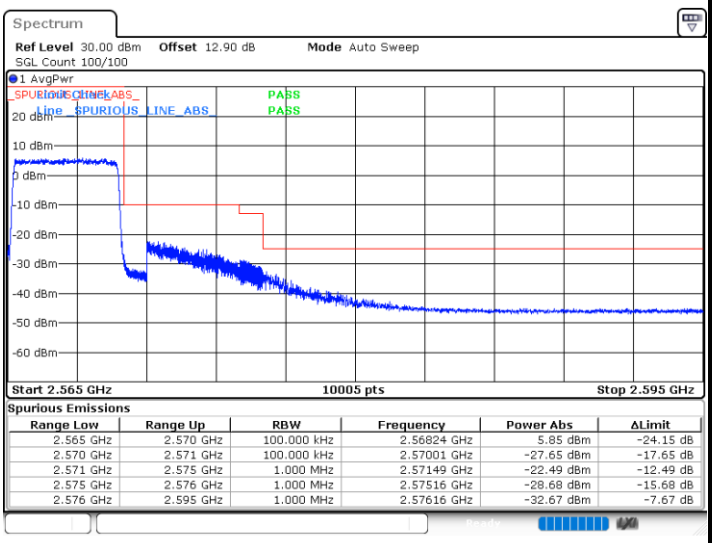



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.494 GHz | 1.000 MHz | 2.49397 GHz | -37.02 dBm | -12.02 dB |
| 2.494 GHz | 2.496 GHz | 1.000 MHz | 2.49599 GHz | -29.72 dBm | -16.72 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49853 GHz | -24.05 dBm | -14.05 dB |
| 2.499 GHz | 2.500 GHz | 100.000 kHz | 2.49999 GHz | -27.38 dBm | -17.38 dB |
| 2.500 GHz | 2.505 GHz | 100.000 kHz | 2.50339 GHz | 4.73 dBm | -25.27 dB |

Date: 28.FEB.2025 00:34:15

### Highest Band Edge / Full RB



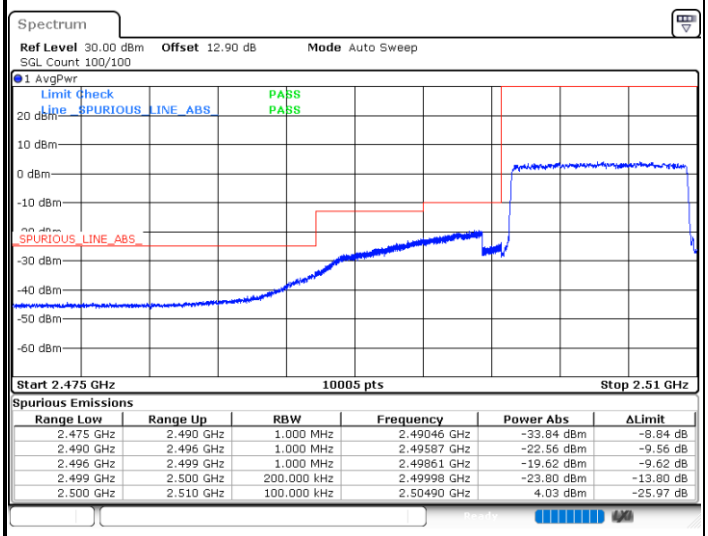

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.565 GHz | 2.570 GHz | 100.000 kHz | 2.56824 GHz | 5.85 dBm | -24.15 dB |
| 2.570 GHz | 2.571 GHz | 100.000 kHz | 2.57001 GHz | -27.65 dBm | -17.65 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57149 GHz | -22.49 dBm | -12.49 dB |
| 2.575 GHz | 2.576 GHz | 1.000 MHz | 2.57516 GHz | -28.68 dBm | -15.68 dB |
| 2.576 GHz | 2.595 GHz | 1.000 MHz | 2.57616 GHz | -32.67 dBm | -7.67 dB |

Date: 28.FEB.2025 09:49:29

## LTE Band 7 / 10MHz / QPSK

### Lowest Band Edge / Full RB

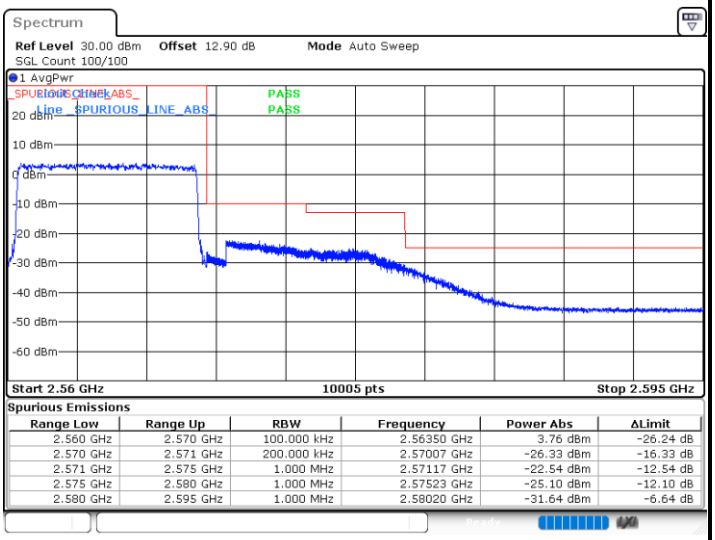



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49046 GHz | -33.84 dBm | -8.84 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49587 GHz | -22.56 dBm | -9.56 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49861 GHz | -19.62 dBm | -9.62 dB |
| 2.499 GHz | 2.500 GHz | 200.000 kHz | 2.49998 GHz | -23.80 dBm | -13.80 dB |
| 2.500 GHz | 2.510 GHz | 100.000 kHz | 2.50490 GHz | 4.03 dBm | -25.97 dB |

Date: 28.FEB.2025 10:24:21

### Highest Band Edge / Full RB



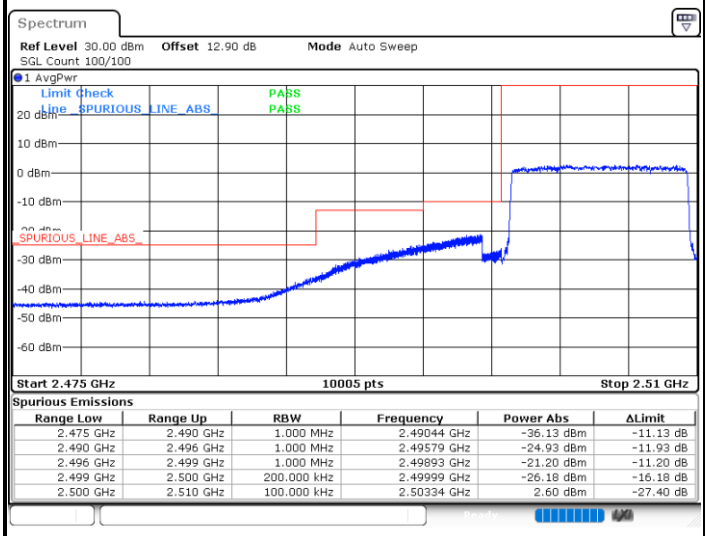

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.560 GHz | 2.570 GHz | 100.000 kHz | 2.56350 GHz | 3.76 dBm | -26.24 dB |
| 2.570 GHz | 2.571 GHz | 200.000 kHz | 2.57007 GHz | -26.33 dBm | -16.33 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57117 GHz | -22.54 dBm | -12.54 dB |
| 2.575 GHz | 2.580 GHz | 1.000 MHz | 2.57523 GHz | -25.10 dBm | -12.10 dB |
| 2.580 GHz | 2.595 GHz | 1.000 MHz | 2.58020 GHz | -31.64 dBm | -6.64 dB |

Date: 28.FEB.2025 09:51:12

## LTE Band 7 / 10MHz / 16QAM

### Lowest Band Edge / Full RB

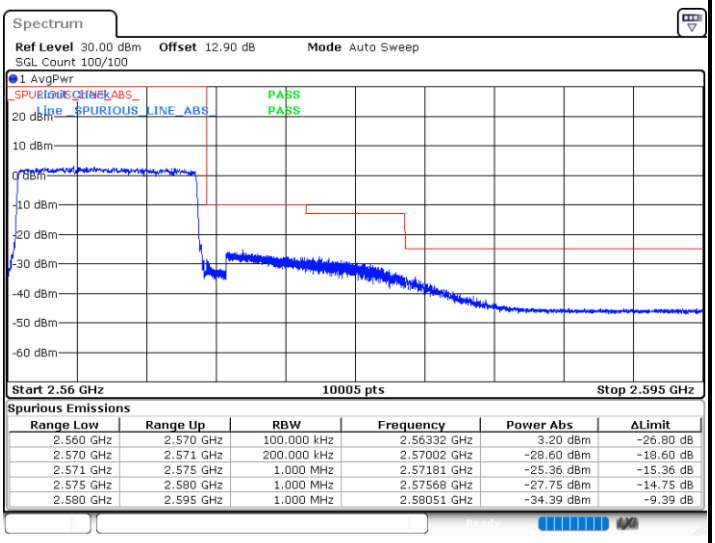



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49044 GHz | -36.13 dBm | -11.13 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49579 GHz | -24.93 dBm | -11.93 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49893 GHz | -21.20 dBm | -11.20 dB |
| 2.499 GHz | 2.500 GHz | 200.000 kHz | 2.49999 GHz | -26.18 dBm | -16.18 dB |
| 2.500 GHz | 2.510 GHz | 100.000 kHz | 2.50334 GHz | 2.60 dBm | -27.40 dB |

Date: 28.FEB.2025 09:50:21

### Highest Band Edge / Full RB



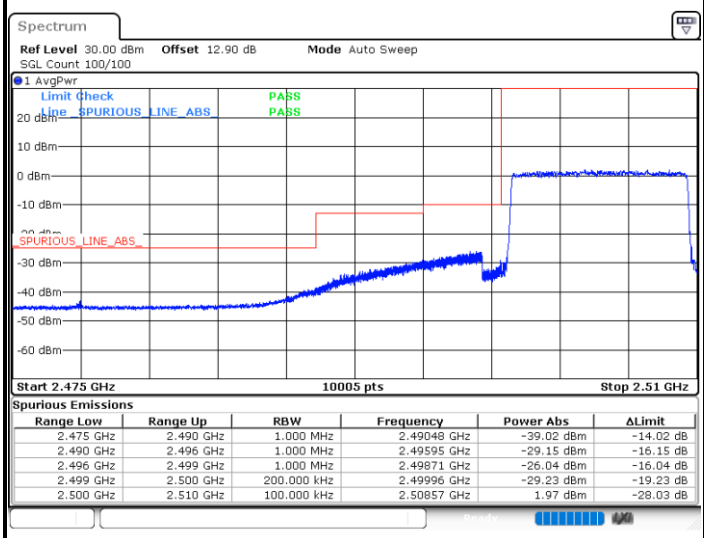

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.560 GHz | 2.570 GHz | 100.000 kHz | 2.56332 GHz | 3.20 dBm | -26.80 dB |
| 2.570 GHz | 2.571 GHz | 200.000 kHz | 2.57002 GHz | -28.60 dBm | -18.60 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57181 GHz | -25.36 dBm | -15.36 dB |
| 2.575 GHz | 2.580 GHz | 1.000 MHz | 2.57568 GHz | -27.75 dBm | -14.75 dB |
| 2.580 GHz | 2.595 GHz | 1.000 MHz | 2.58051 GHz | -34.39 dBm | -9.39 dB |

Date: 28.FEB.2025 09:51:38

## LTE Band 7 / 10MHz / 64QAM

### Lowest Band Edge / Full RB

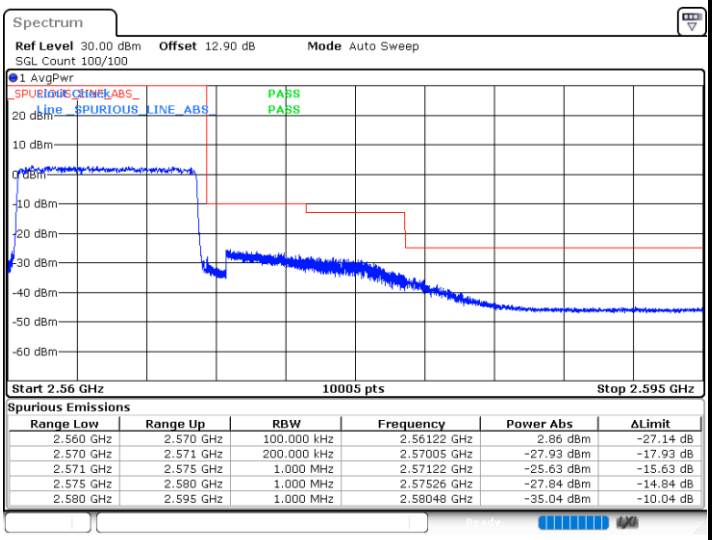



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49048 GHz | -39.02 dBm | -14.02 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49595 GHz | -29.15 dBm | -16.15 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49871 GHz | -26.04 dBm | -16.04 dB |
| 2.499 GHz | 2.500 GHz | 200.000 kHz | 2.49996 GHz | -29.23 dBm | -19.23 dB |
| 2.500 GHz | 2.510 GHz | 100.000 kHz | 2.50857 GHz | 1.97 dBm | -28.03 dB |

Date: 28.FEB.2025 10:23:41

### Highest Band Edge / Full RB



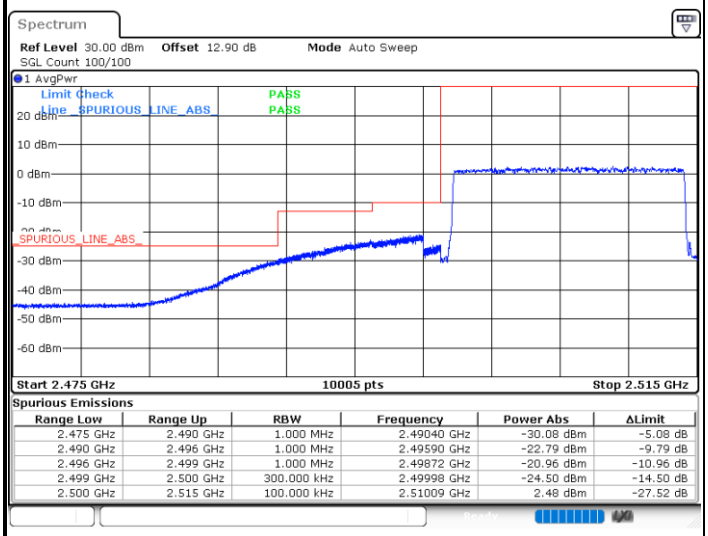

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.560 GHz | 2.570 GHz | 100.000 kHz | 2.56122 GHz | 2.86 dBm | -27.14 dB |
| 2.570 GHz | 2.571 GHz | 200.000 kHz | 2.57005 GHz | -27.93 dBm | -17.93 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57122 GHz | -25.63 dBm | -15.63 dB |
| 2.575 GHz | 2.580 GHz | 1.000 MHz | 2.57526 GHz | -27.84 dBm | -14.84 dB |
| 2.580 GHz | 2.595 GHz | 1.000 MHz | 2.58048 GHz | -35.04 dBm | -10.04 dB |

Date: 28.FEB.2025 09:52:03

## LTE Band 7 / 15MHz / QPSK

### Lowest Band Edge / Full RB

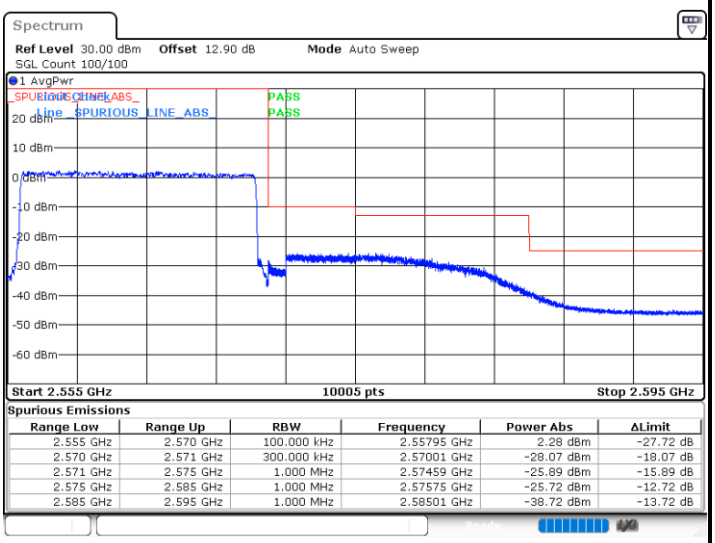



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49040 GHz | -30.08 dBm | -5.08 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49590 GHz | -22.79 dBm | -9.79 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49872 GHz | -20.96 dBm | -10.96 dB |
| 2.499 GHz | 2.500 GHz | 300.000 kHz | 2.49998 GHz | -24.50 dBm | -14.50 dB |
| 2.500 GHz | 2.515 GHz | 100.000 kHz | 2.51009 GHz | 2.48 dBm | -27.52 dB |

Date: 28.FEB.2025 09:54:10

### Highest Band Edge / Full RB



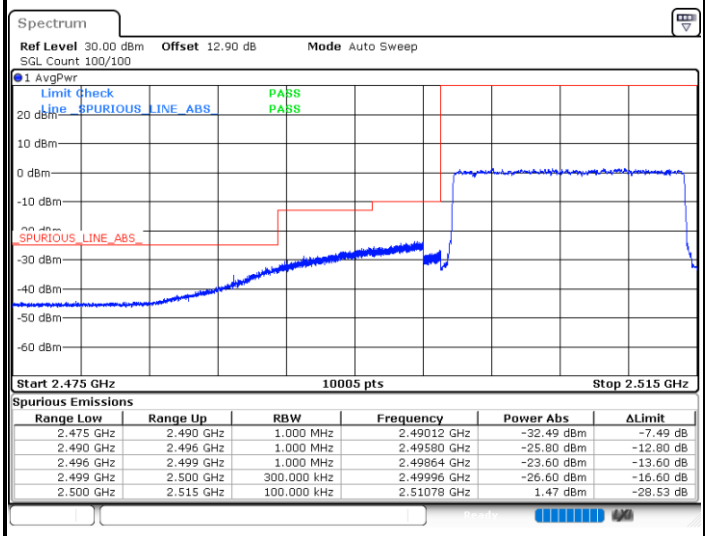

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.555 GHz | 2.570 GHz | 100.000 kHz | 2.55795 GHz | 2.28 dBm | -27.72 dB |
| 2.570 GHz | 2.571 GHz | 300.000 kHz | 2.57001 GHz | -28.07 dBm | -18.07 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57459 GHz | -25.89 dBm | -15.89 dB |
| 2.575 GHz | 2.585 GHz | 1.000 MHz | 2.57575 GHz | -25.72 dBm | -12.72 dB |
| 2.585 GHz | 2.595 GHz | 1.000 MHz | 2.58501 GHz | -38.72 dBm | -13.72 dB |

Date: 28.FEB.2025 09:55:27

## LTE Band 7 / 15MHz / 16QAM

### Lowest Band Edge / Full RB

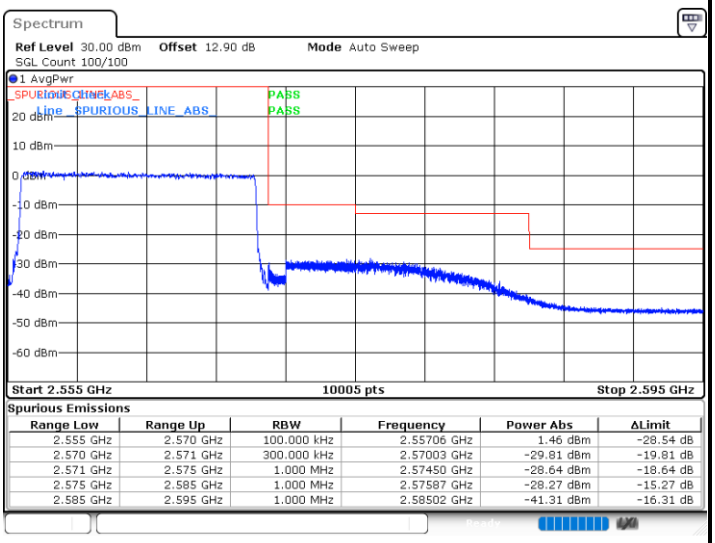



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49012 GHz | -32.49 dBm | -7.49 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49580 GHz | -25.80 dBm | -12.80 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49864 GHz | -23.60 dBm | -13.60 dB |
| 2.499 GHz | 2.500 GHz | 300.000 kHz | 2.49996 GHz | -26.60 dBm | -16.60 dB |
| 2.500 GHz | 2.515 GHz | 100.000 kHz | 2.51078 GHz | 1.47 dBm | -28.53 dB |

Date: 28.FEB.2025 09:54:35

### Highest Band Edge / Full RB



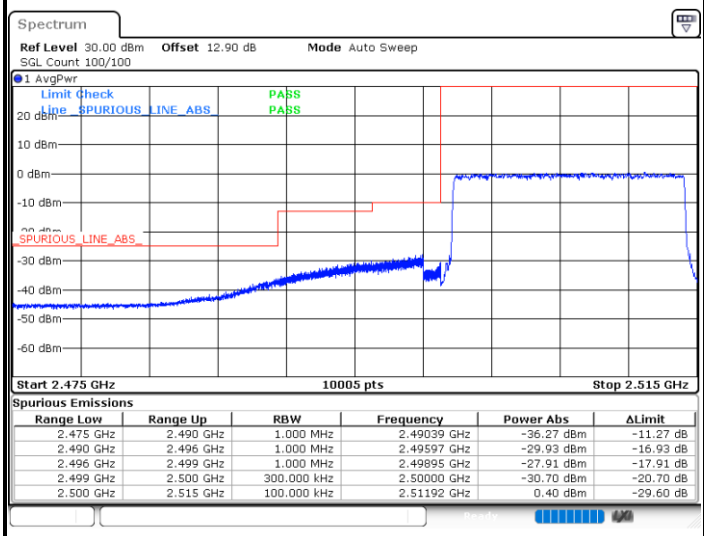

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.555 GHz | 2.570 GHz | 100.000 kHz | 2.55706 GHz | 1.46 dBm | -28.54 dB |
| 2.570 GHz | 2.571 GHz | 300.000 kHz | 2.57003 GHz | -29.81 dBm | -19.81 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57450 GHz | -28.64 dBm | -18.64 dB |
| 2.575 GHz | 2.585 GHz | 1.000 MHz | 2.57587 GHz | -28.27 dBm | -15.27 dB |
| 2.585 GHz | 2.595 GHz | 1.000 MHz | 2.58502 GHz | -41.31 dBm | -16.31 dB |

Date: 28.FEB.2025 09:55:52

## LTE Band 7 / 15MHz / 64QAM

### Lowest Band Edge / Full RB

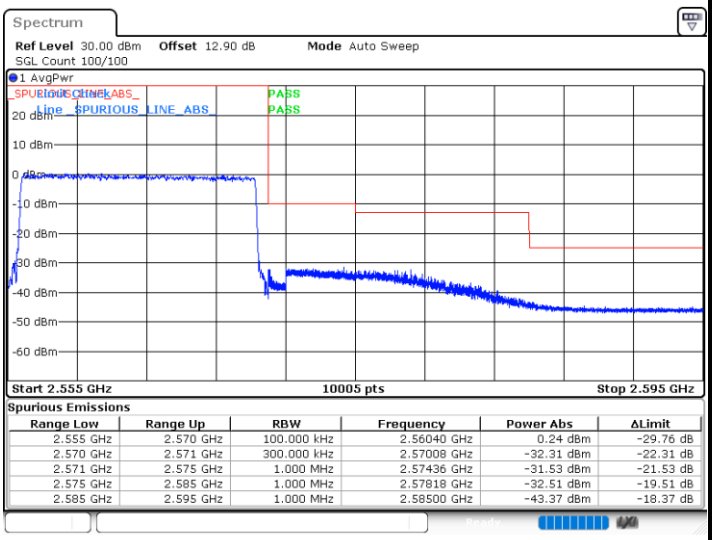



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49039 GHz | -36.27 dBm | -11.27 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49597 GHz | -29.93 dBm | -16.93 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49895 GHz | -27.91 dBm | -17.91 dB |
| 2.499 GHz | 2.500 GHz | 300.000 kHz | 2.50000 GHz | -30.70 dBm | -20.70 dB |
| 2.500 GHz | 2.515 GHz | 100.000 kHz | 2.51192 GHz | 0.40 dBm | -29.60 dB |

Date: 28.FEB.2025 09:55:01

### Highest Band Edge / Full RB



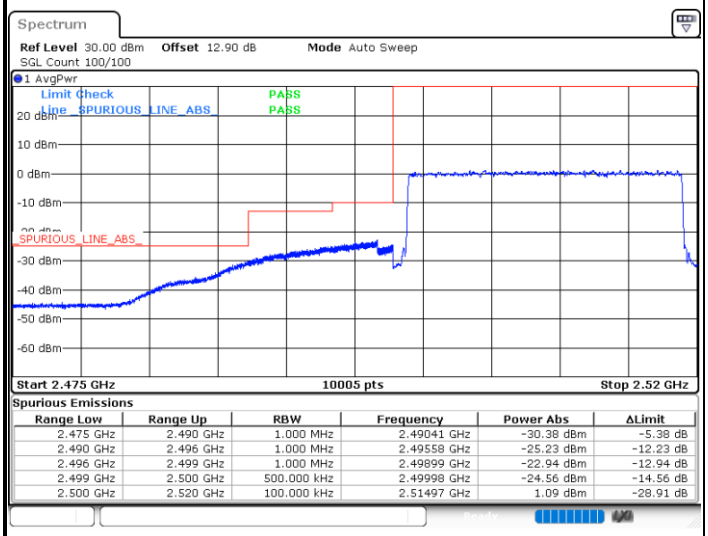

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.555 GHz | 2.570 GHz | 100.000 kHz | 2.56040 GHz | 0.24 dBm | -29.76 dB |
| 2.570 GHz | 2.571 GHz | 300.000 kHz | 2.57008 GHz | -32.31 dBm | -22.31 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57436 GHz | -31.53 dBm | -21.53 dB |
| 2.575 GHz | 2.585 GHz | 1.000 MHz | 2.57818 GHz | -32.51 dBm | -19.51 dB |
| 2.585 GHz | 2.595 GHz | 1.000 MHz | 2.58500 GHz | -43.37 dBm | -18.37 dB |

Date: 28.FEB.2025 09:56:18

## LTE Band 7 / 20MHz / QPSK

### Lowest Band Edge / Full RB

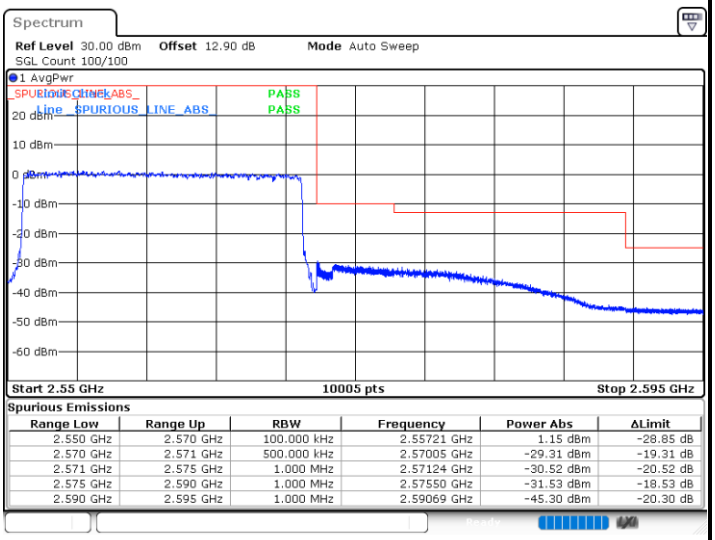



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49041 GHz | -30.38 dBm | -5.38 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49558 GHz | -25.23 dBm | -12.23 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49899 GHz | -22.94 dBm | -12.94 dB |
| 2.499 GHz | 2.500 GHz | 500.000 kHz | 2.49998 GHz | -24.56 dBm | -14.56 dB |
| 2.500 GHz | 2.520 GHz | 100.000 kHz | 2.51497 GHz | 1.09 dBm | -28.91 dB |

Date: 28.FEB.2025 10:02:12

### Highest Band Edge / Full RB



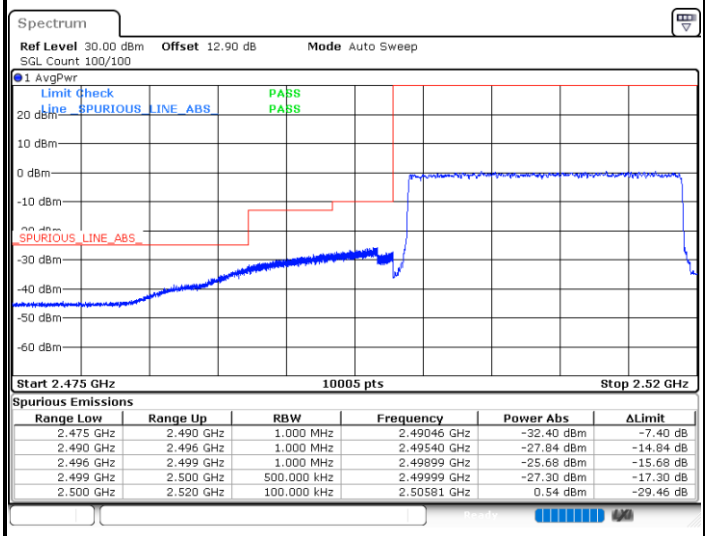

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.55721 GHz | 1.15 dBm | -28.85 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57005 GHz | -29.31 dBm | -19.31 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57124 GHz | -30.52 dBm | -20.52 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57550 GHz | -31.53 dBm | -18.53 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59069 GHz | -45.30 dBm | -20.30 dB |

Date: 28.FEB.2025 10:14:25

## LTE Band 7 / 20MHz / 16QAM

### Lowest Band Edge / Full RB

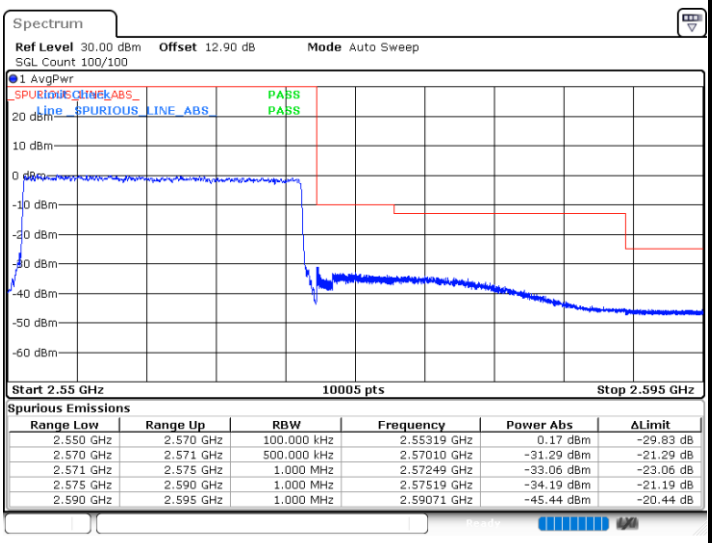



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49046 GHz | -32.40 dBm | -7.40 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49540 GHz | -27.84 dBm | -14.84 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49899 GHz | -25.68 dBm | -15.68 dB |
| 2.499 GHz | 2.500 GHz | 500.000 kHz | 2.49999 GHz | -27.30 dBm | -17.30 dB |
| 2.500 GHz | 2.520 GHz | 100.000 kHz | 2.50581 GHz | 0.54 dBm | -29.46 dB |

Date: 28.FEB.2025 10:25:38

### Highest Band Edge / Full RB



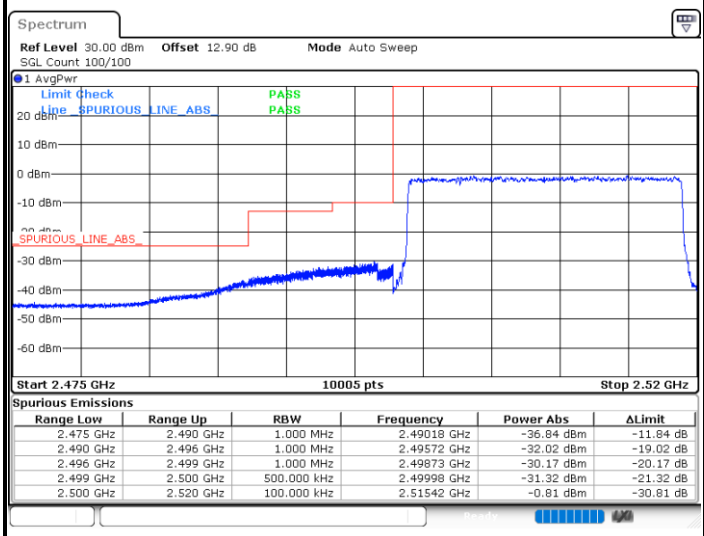

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.55319 GHz | 0.17 dBm | -29.83 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57010 GHz | -31.29 dBm | -21.29 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57249 GHz | -33.06 dBm | -23.06 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57519 GHz | -34.19 dBm | -21.19 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59071 GHz | -45.44 dBm | -20.44 dB |

Date: 28.FEB.2025 10:14:51

## LTE Band 7 / 20MHz / 64QAM

### Lowest Band Edge / Full RB

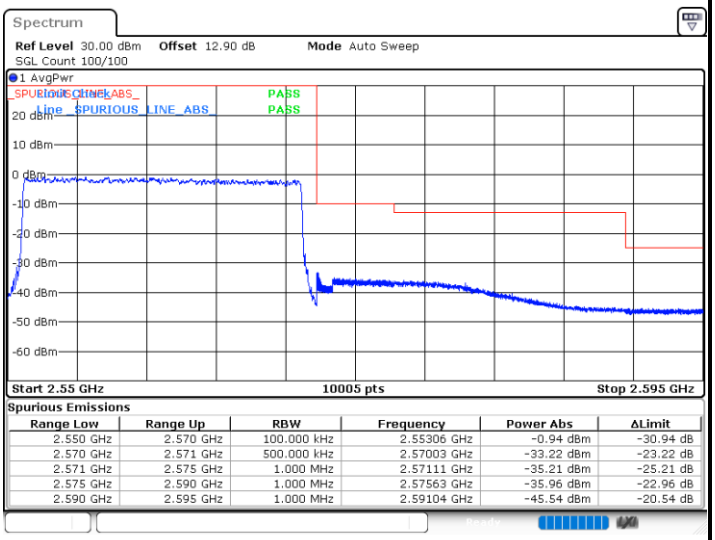



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.475 GHz | 2.490 GHz | 1.000 MHz | 2.49018 GHz | -36.84 dBm | -11.84 dB |
| 2.490 GHz | 2.496 GHz | 1.000 MHz | 2.49572 GHz | -32.02 dBm | -19.02 dB |
| 2.496 GHz | 2.499 GHz | 1.000 MHz | 2.49873 GHz | -30.17 dBm | -20.17 dB |
| 2.499 GHz | 2.500 GHz | 500.000 kHz | 2.49998 GHz | -31.32 dBm | -21.32 dB |
| 2.500 GHz | 2.520 GHz | 100.000 kHz | 2.51542 GHz | -0.81 dBm | -30.81 dB |

Date: 28.FEB.2025 10:03:03

### Highest Band Edge / Full RB




Spurious Emissions

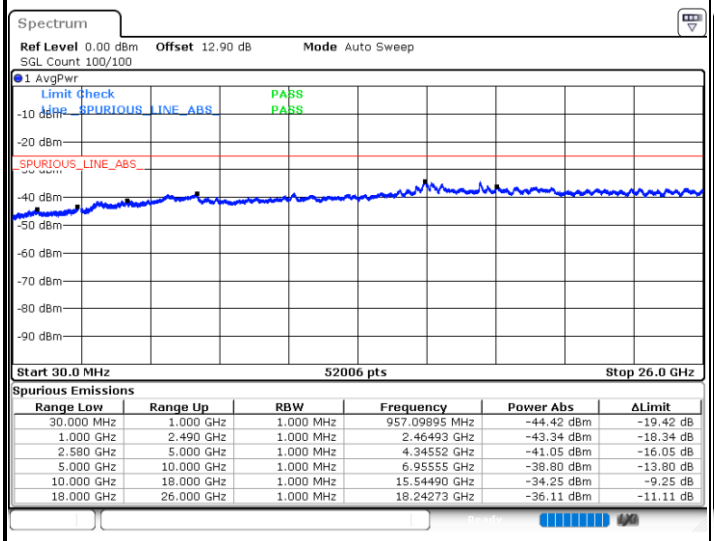
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 2.550 GHz | 2.570 GHz | 100.000 kHz | 2.55306 GHz | -0.94 dBm | -30.94 dB |
| 2.570 GHz | 2.571 GHz | 500.000 kHz | 2.57003 GHz | -33.22 dBm | -23.22 dB |
| 2.571 GHz | 2.575 GHz | 1.000 MHz | 2.57111 GHz | -35.21 dBm | -25.21 dB |
| 2.575 GHz | 2.590 GHz | 1.000 MHz | 2.57563 GHz | -35.96 dBm | -22.96 dB |
| 2.590 GHz | 2.595 GHz | 1.000 MHz | 2.59104 GHz | -45.54 dBm | -20.54 dB |

Date: 28.FEB.2025 10:15:17

# Conducted Spurious Emission

## LTE Band 7 / 5MHz

### Lowest Channel / QPSK

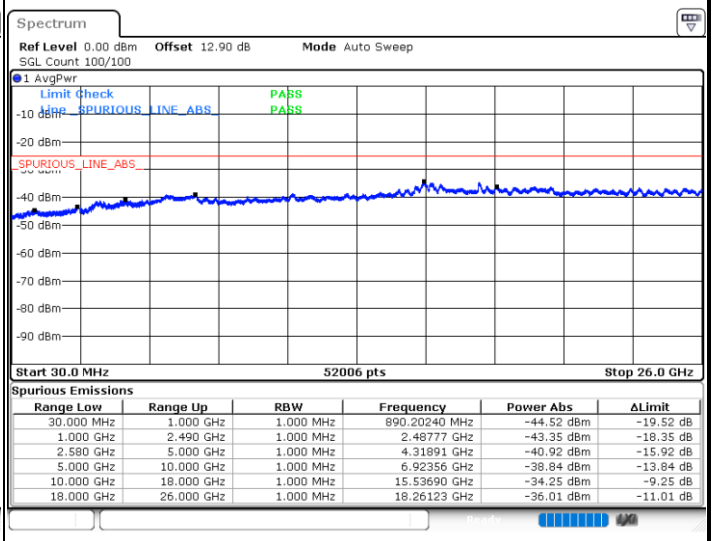



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 957.09895 MHz | -44.42 dBm | -19.42 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.46493 GHz | -43.34 dBm | -18.34 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.34552 GHz | -41.05 dBm | -16.05 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.95555 GHz | -38.80 dBm | -13.80 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.54490 GHz | -34.25 dBm | -9.25 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.24273 GHz | -36.11 dBm | -11.11 dB |

Date: 27.NOV.2024 09:31:37

### Middle Channel / QPSK

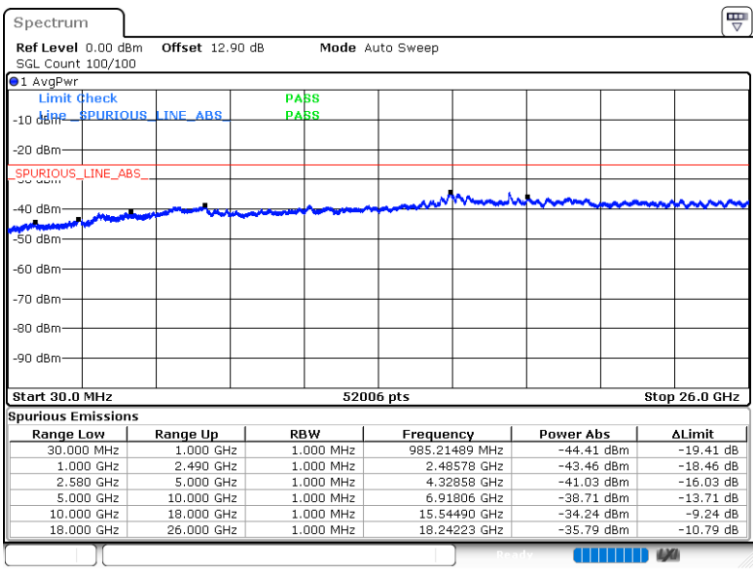



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 890.20240 MHz | -44.52 dBm | -19.52 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48777 GHz | -43.35 dBm | -18.35 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.31891 GHz | -40.92 dBm | -15.92 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.92356 GHz | -38.84 dBm | -13.84 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.53690 GHz | -34.25 dBm | -9.25 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.26123 GHz | -36.01 dBm | -11.01 dB |

Date: 27.NOV.2024 09:33:12

### Highest Channel / QPSK



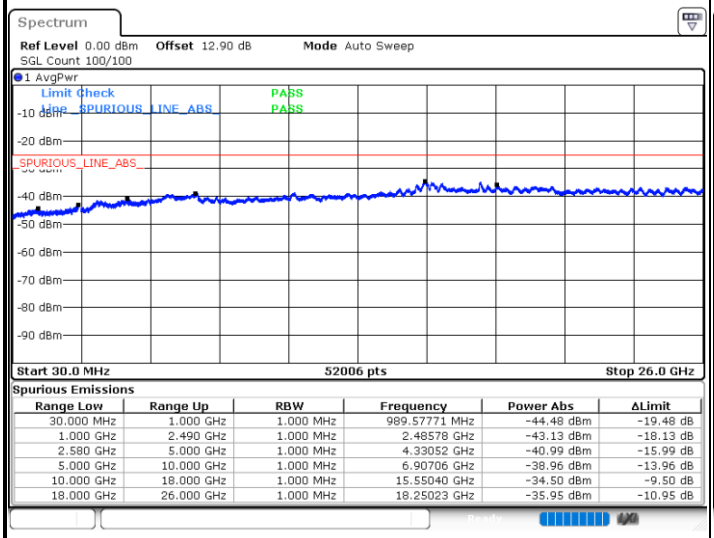

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 985.21489 MHz | -44.41 dBm | -19.41 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48578 GHz | -43.46 dBm | -18.46 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.32858 GHz | -41.03 dBm | -16.03 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.91806 GHz | -38.71 dBm | -13.71 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.54490 GHz | -34.24 dBm | -9.24 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.24223 GHz | -35.79 dBm | -10.79 dB |

Date: 27.NOV.2024 09:34:40

## LTE Band 7 / 10MHz

### Lowest Channel / QPSK

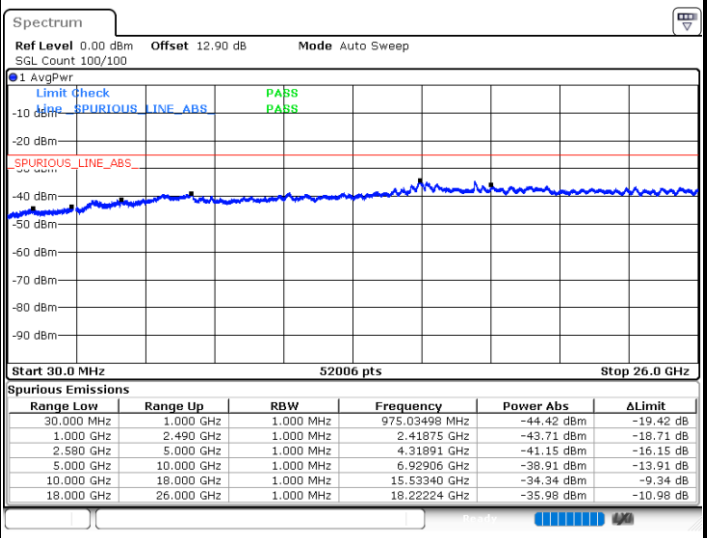



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 989.57771 MHz | -44.48 dBm | -19.48 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48578 GHz | -43.13 dBm | -18.13 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.33052 GHz | -40.99 dBm | -15.99 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.90706 GHz | -38.96 dBm | -13.96 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.55040 GHz | -34.50 dBm | -9.50 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.25023 GHz | -35.95 dBm | -10.95 dB |

Date: 27.NOV.2024 12:53:17

### Middle Channel / QPSK

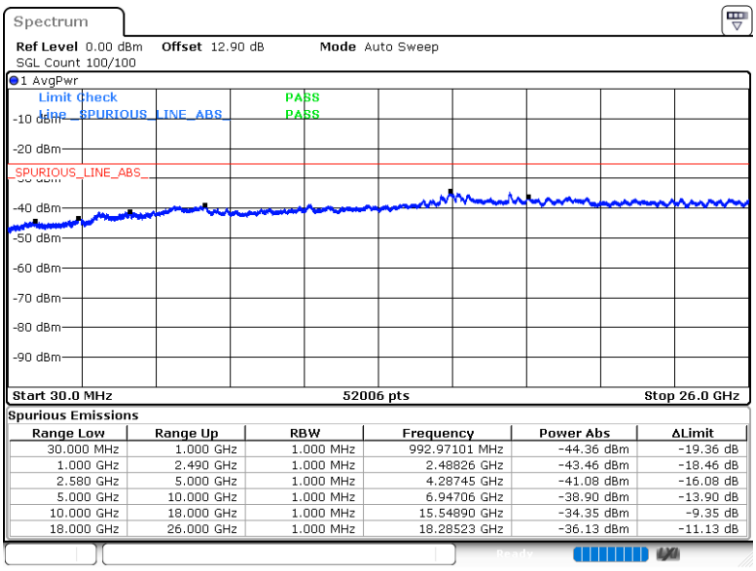



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 975.03498 MHz | -44.42 dBm | -19.42 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.41875 GHz | -43.71 dBm | -18.71 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.31891 GHz | -41.15 dBm | -16.15 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.92906 GHz | -38.91 dBm | -13.91 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.53340 GHz | -34.34 dBm | -9.34 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.22224 GHz | -35.98 dBm | -10.98 dB |

Date: 27.NOV.2024 12:54:46

### Highest Channel / QPSK



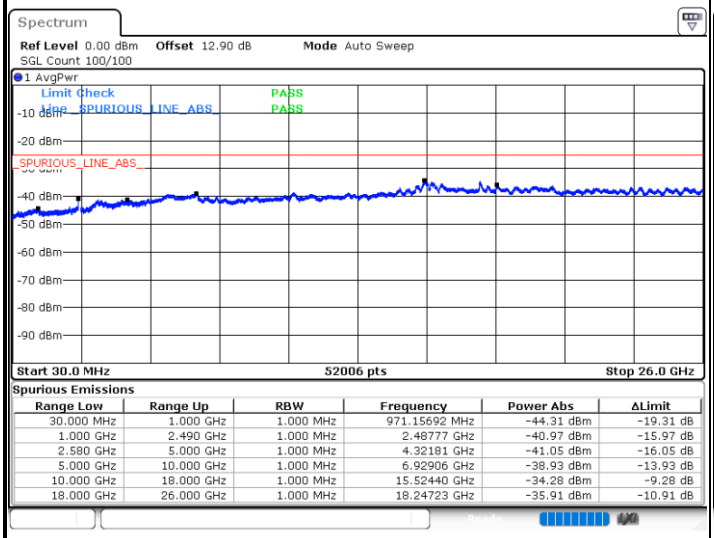

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 992.97101 MHz | -44.36 dBm | -19.36 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48826 GHz | -43.46 dBm | -18.46 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.28745 GHz | -41.08 dBm | -16.08 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.94706 GHz | -38.90 dBm | -13.90 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.54890 GHz | -34.35 dBm | -9.35 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.28523 GHz | -36.13 dBm | -11.13 dB |

Date: 27.NOV.2024 12:56:17

## LTE Band 7 / 15MHz

### Lowest Channel / QPSK

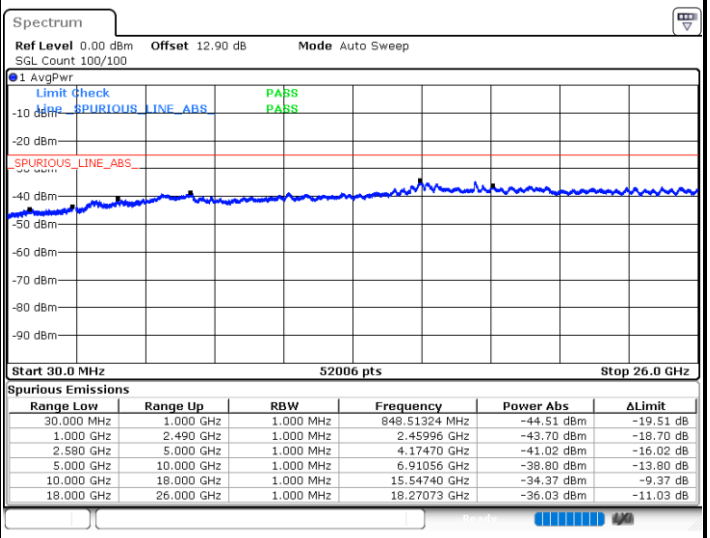



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 971.15692 MHz | -44.31 dBm | -19.31 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48777 GHz | -40.97 dBm | -15.97 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.32181 GHz | -41.05 dBm | -16.05 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.92906 GHz | -38.93 dBm | -13.93 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.52440 GHz | -34.28 dBm | -9.28 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.24723 GHz | -35.91 dBm | -10.91 dB |

Date: 27.NOV.2024 13:52:40

### Middle Channel / QPSK

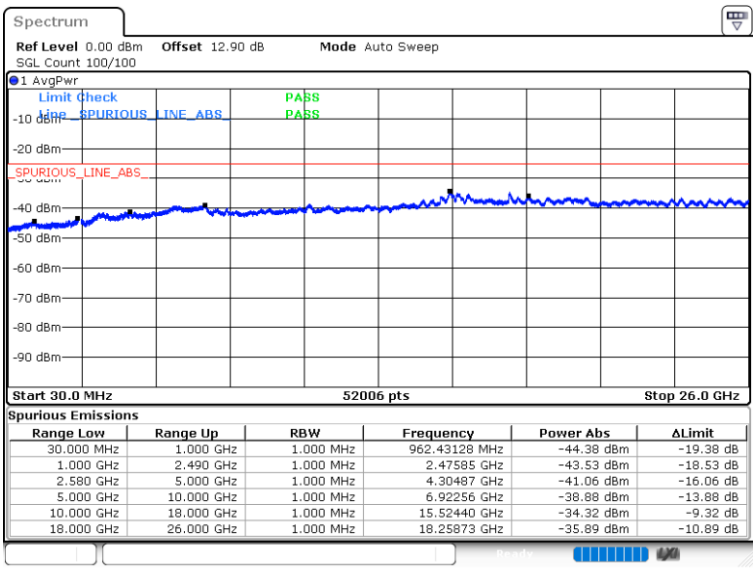



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 848.51324 MHz | -44.51 dBm | -19.51 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.45996 GHz | -43.70 dBm | -18.70 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.17470 GHz | -41.02 dBm | -16.02 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.91056 GHz | -38.80 dBm | -13.80 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.54740 GHz | -34.37 dBm | -9.37 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.27073 GHz | -36.03 dBm | -11.03 dB |

Date: 27.NOV.2024 13:54:09

### Highest Channel / QPSK



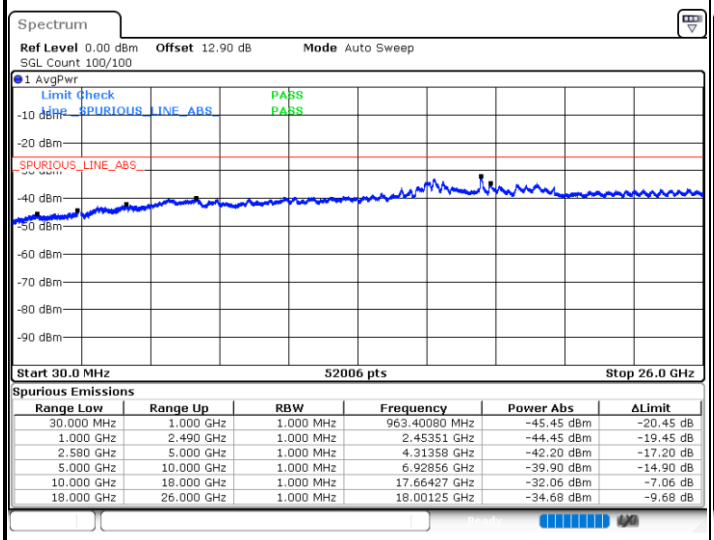

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 962.43128 MHz | -44.38 dBm | -19.38 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.47585 GHz | -43.53 dBm | -18.53 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.30487 GHz | -41.06 dBm | -16.06 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.92256 GHz | -38.88 dBm | -13.88 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 15.52440 GHz | -34.32 dBm | -9.32 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.25873 GHz | -35.89 dBm | -10.89 dB |

Date: 27.NOV.2024 13:55:41

## LTE Band 7 / 20MHz

### Lowest Channel / QPSK

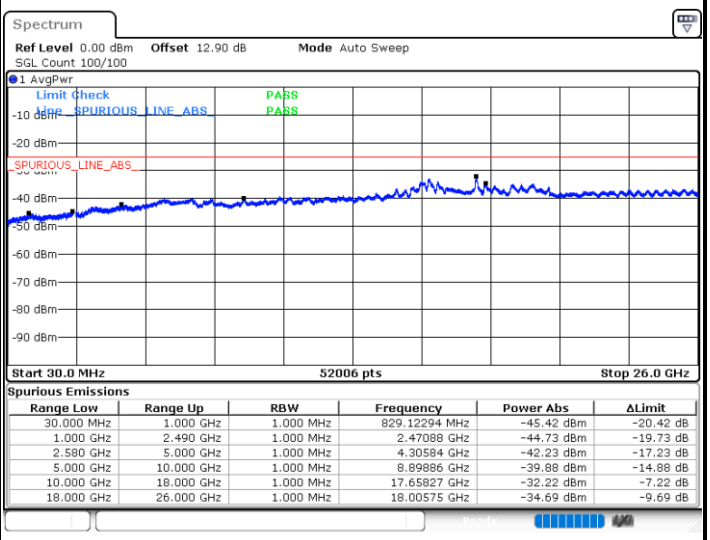



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 963.40080 MHz | -45.45 dBm | -20.45 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.45351 GHz | -44.45 dBm | -19.45 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.31358 GHz | -42.20 dBm | -17.20 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 6.92856 GHz | -39.90 dBm | -14.90 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 17.66427 GHz | -32.06 dBm | -7.06 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.00125 GHz | -34.68 dBm | -9.68 dB |

Date: 28.FEB.2025 10:19:33

### Middle Channel / QPSK

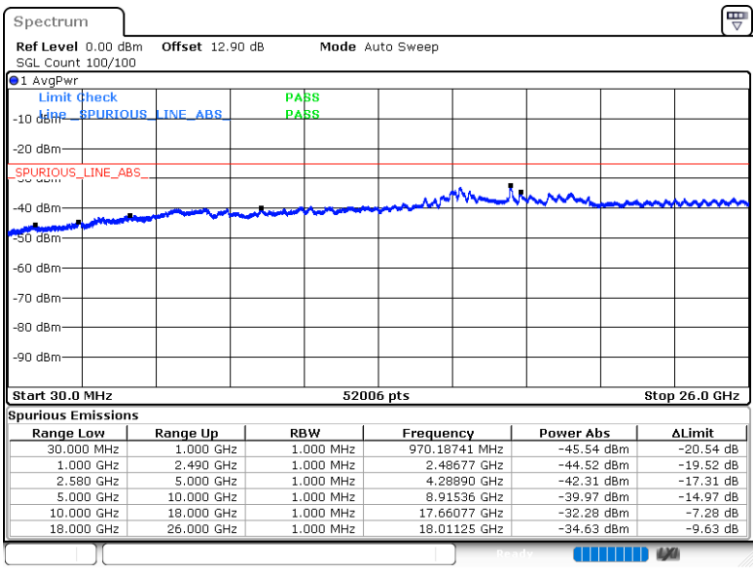



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 829.12294 MHz | -45.42 dBm | -20.42 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.47088 GHz | -44.73 dBm | -19.73 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.30584 GHz | -42.23 dBm | -17.23 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 8.89886 GHz | -39.88 dBm | -14.88 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 17.65827 GHz | -32.22 dBm | -7.22 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.00575 GHz | -34.69 dBm | -9.69 dB |

Date: 28.FEB.2025 10:20:44

### Highest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 970.18741 MHz | -45.54 dBm | -20.54 dB |
| 1.000 GHz | 2.490 GHz | 1.000 MHz | 2.48677 GHz | -44.52 dBm | -19.52 dB |
| 2.580 GHz | 5.000 GHz | 1.000 MHz | 4.28890 GHz | -42.31 dBm | -17.31 dB |
| 5.000 GHz | 10.000 GHz | 1.000 MHz | 8.91536 GHz | -39.97 dBm | -14.97 dB |
| 10.000 GHz | 18.000 GHz | 1.000 MHz | 17.66077 GHz | -32.28 dBm | -7.28 dB |
| 18.000 GHz | 26.000 GHz | 1.000 MHz | 18.01125 GHz | -34.63 dBm | -9.63 dB |

Date: 28.FEB.2025 10:21:56

# Frequency Stability

| Test Conditions | | LTE Band 7 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 35 | Normal Voltage | 0.0006 | PASS |
| 30 | Normal Voltage | 0.0022 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0003 | |
| 0 | Normal Voltage | 0.0019 | |
| 20 | Maximum Voltage | 0.0010 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Minimum Voltage | 0.0052 | |

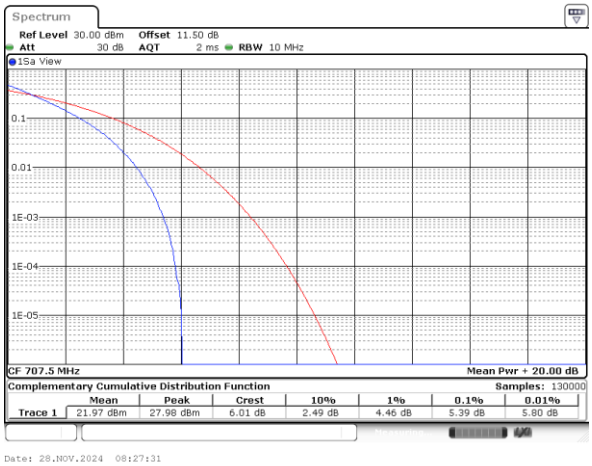
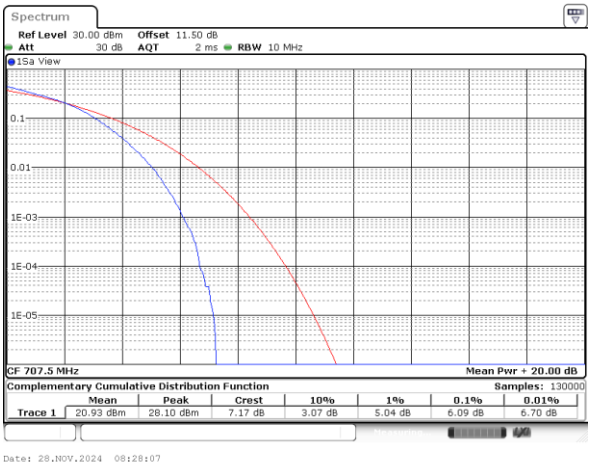
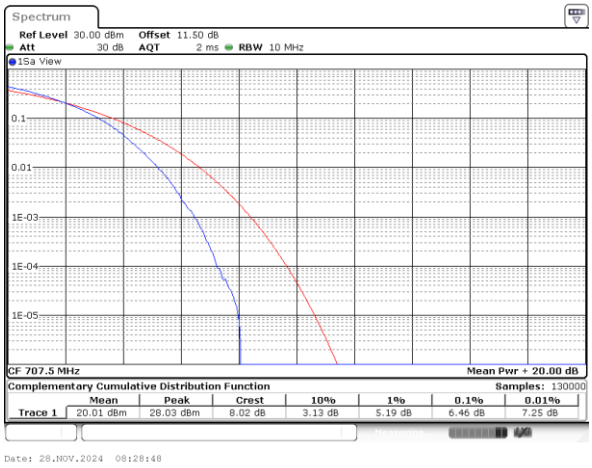
**Note:**

1. Normal Voltage = 3.88 V.；Minimum Voltage = 3.6 V.；Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

# LTE Band 12

## Peak-to-Average Ratio

| Mode | LTE Band 12 / 10MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Full RB | Result |
| Middle CH | 5.39 | 6.09 | 6.46 | - | PASS |

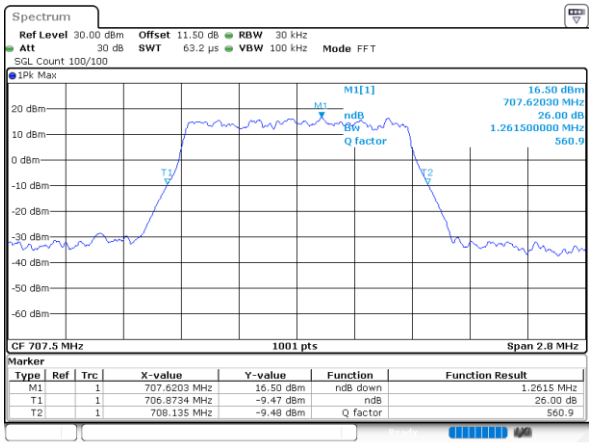
| LTE Band 12 / 10MHz / QPSK | LTE Band 12 / 10MHz / 16QAM |
|---|---|
| **Middle Channel / Full RB** | **Middle Channel / Full RB** |
|  |  |
| **LTE Band 12 / 10MHz / 64QAM** | |
| **Middle Channel / Full RB** | |
|  | |

# 26dB Bandwidth

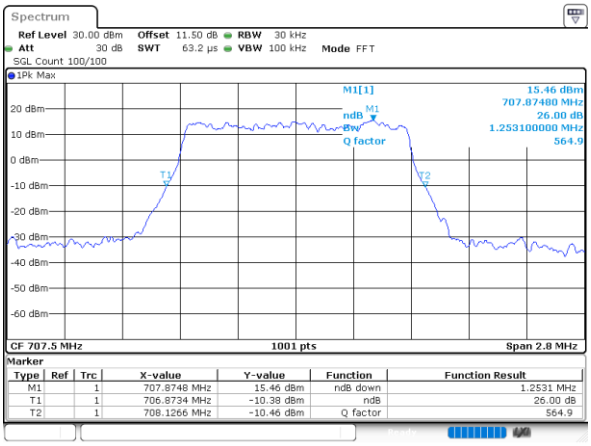
| Mode | LTE Band 12 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 1.26 | 1.25 | 3.03 | 3.00 | 4.96 | 4.89 | 9.84 | 9.84 | - | - | - | - |
| Mode | LTE Band 12 : 26dB BW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 1.23 | - | 3.02 | - | 5.04 | - | 9.73 | - | - | - | - | - |

## LTE Band 12

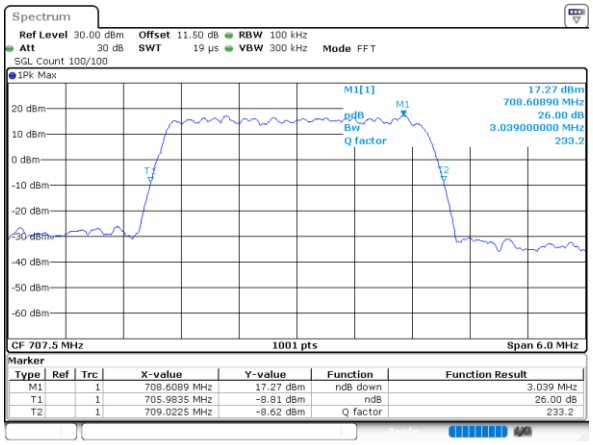
### Middle Channel / 1.4MHz / QPSK



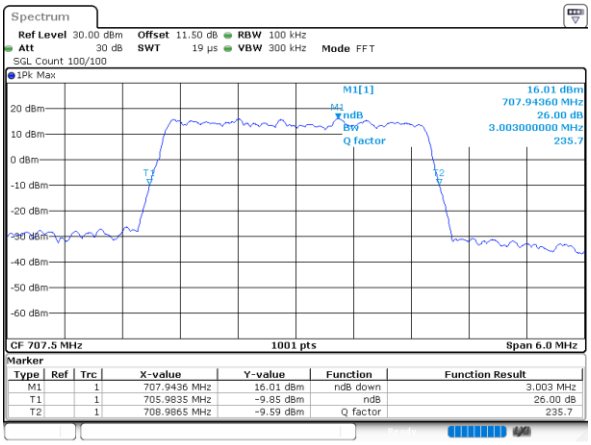

### Middle Channel / 1.4MHz / 16QAM



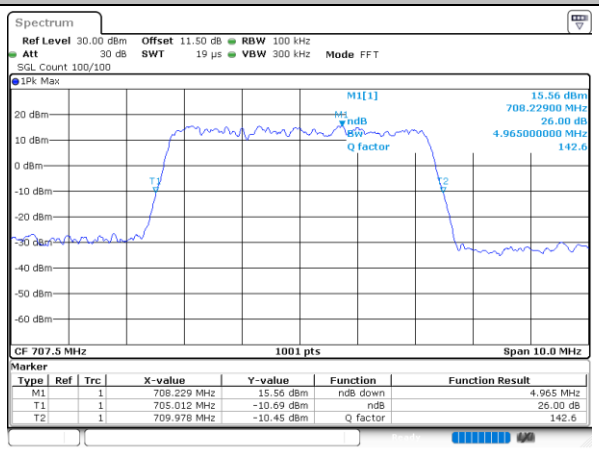

### Middle Channel / 3MHz / QPSK



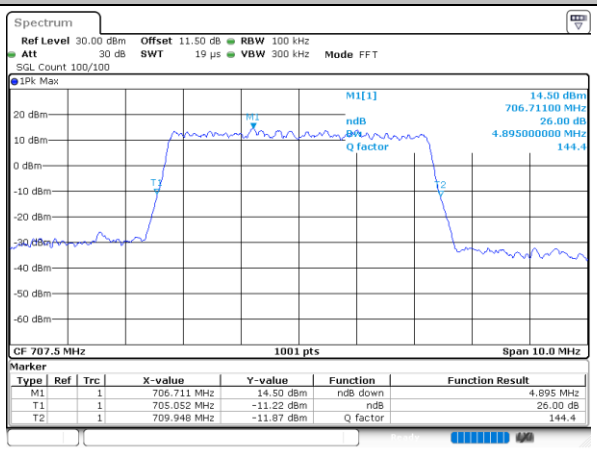

### Middle Channel / 3MHz / 16QAM




### Middle Channel / 5MHz / QPSK

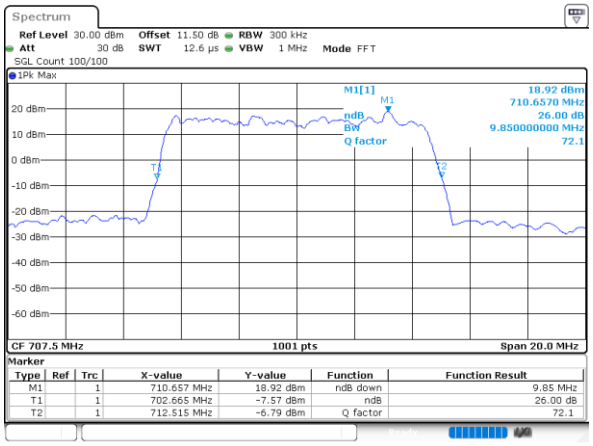



### Middle Channel / 5MHz / 16QAM

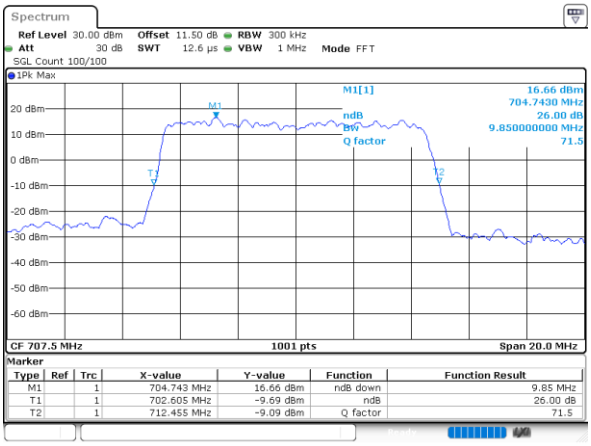


## LTE Band 12

### Middle Channel / 10MHz / QPSK

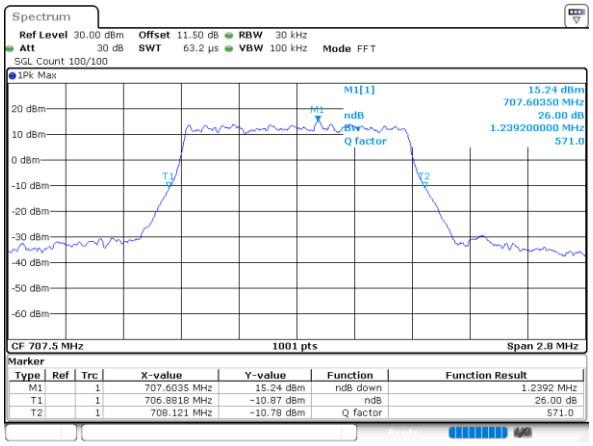



### Middle Channel / 10MHz / 16QAM

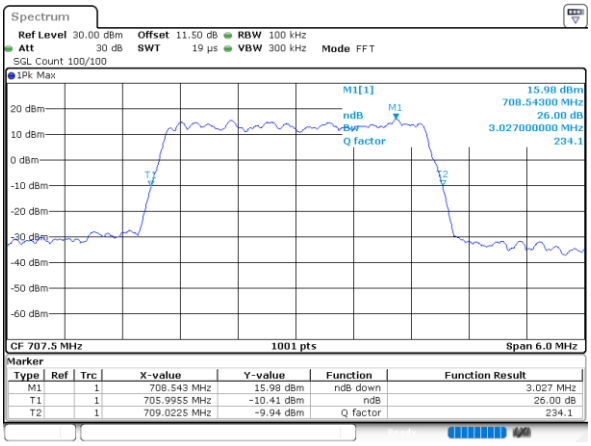



## LTE Band 12

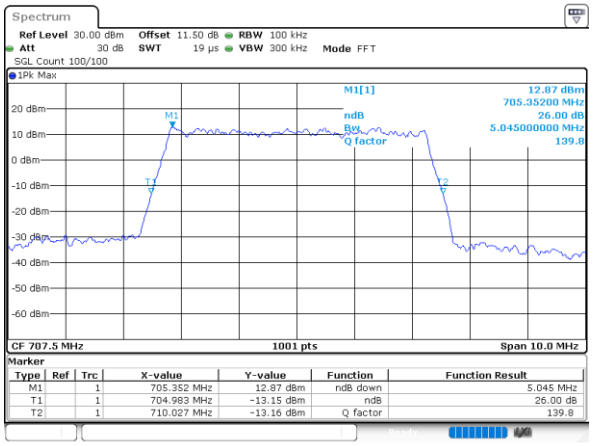
### Middle Channel / 1.4MHz / 64QAM



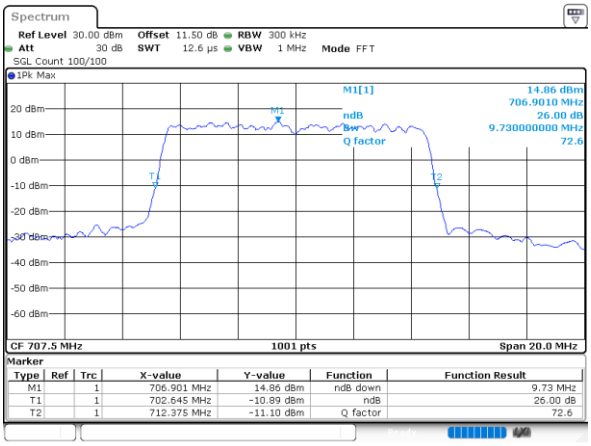

### Middle Channel / 3MHz / 64QAM




### Middle Channel / 5MHz / 64QAM




### Middle Channel / 10MHz / 64QAM

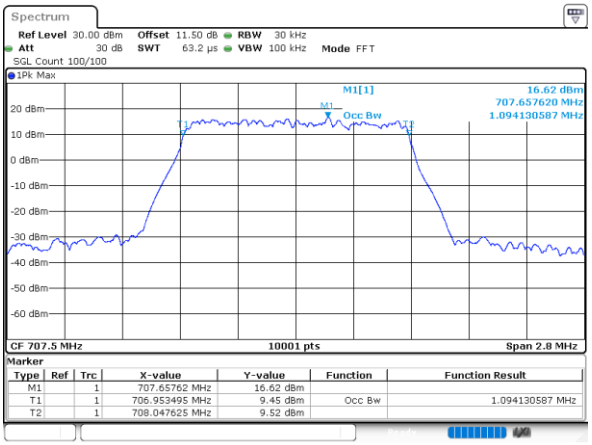


# Occupied Bandwidth

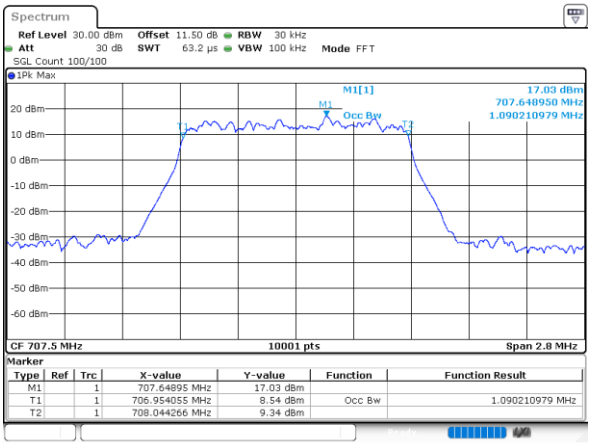
| Mode | LTE Band 12 : 99%OBW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 1.09 | 1.09 | 2.71 | 2.70 | 4.48 | 4.50 | 9.08 | 9.04 | - | - | - | - |
| Mode | LTE Band 12 : 99%OBW(MHz) | | | | | | | | | | | |
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 1.09 | - | 2.71 | - | 4.48 | - | 9.04 | - | - | - | - | - |

## LTE Band 12

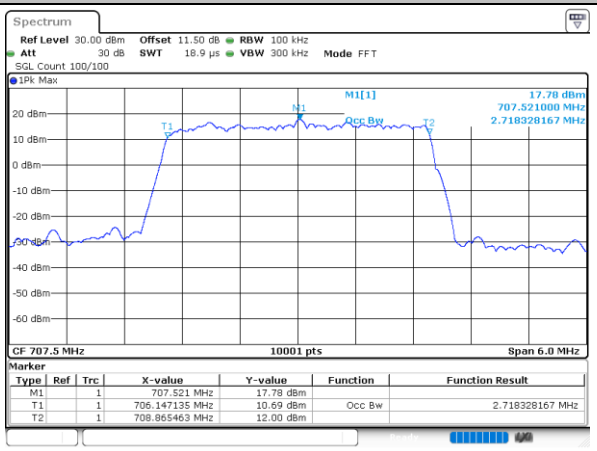
### Middle Channel / 1.4MHz / QPSK



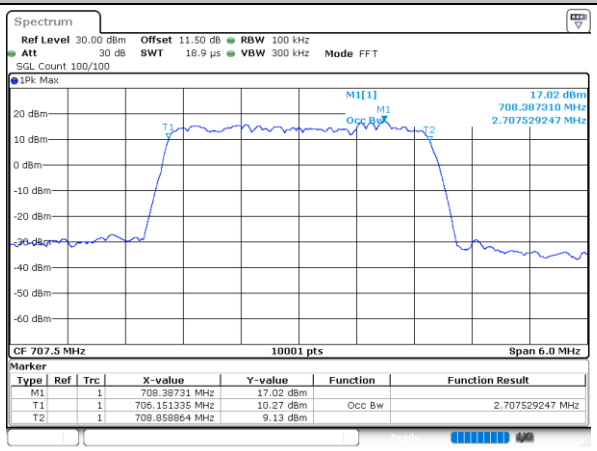

### Middle Channel / 1.4MHz / 16QAM



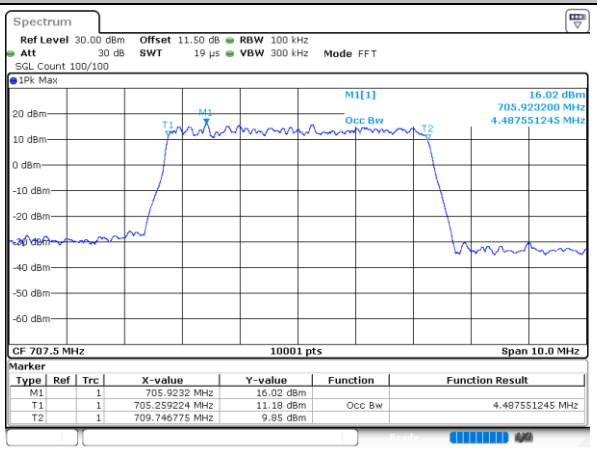

### Middle Channel / 3MHz / QPSK



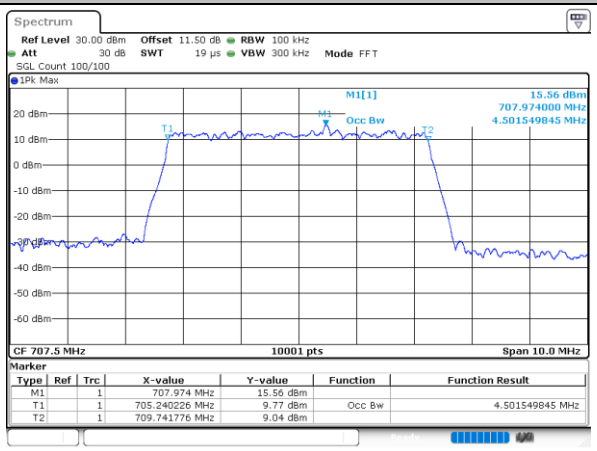

### Middle Channel / 3MHz / 16QAM




### Middle Channel / 5MHz / QPSK

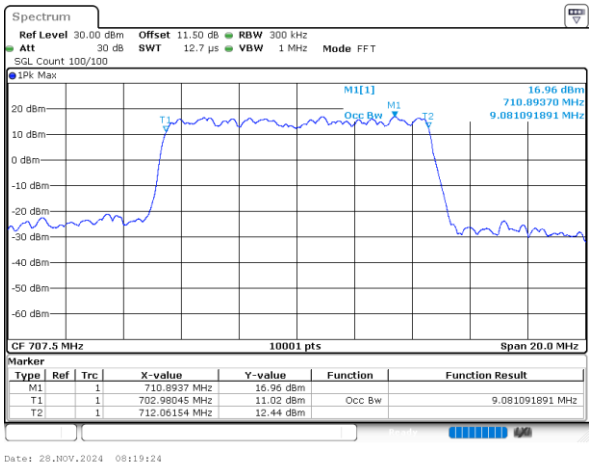



### Middle Channel / 5MHz / 16QAM

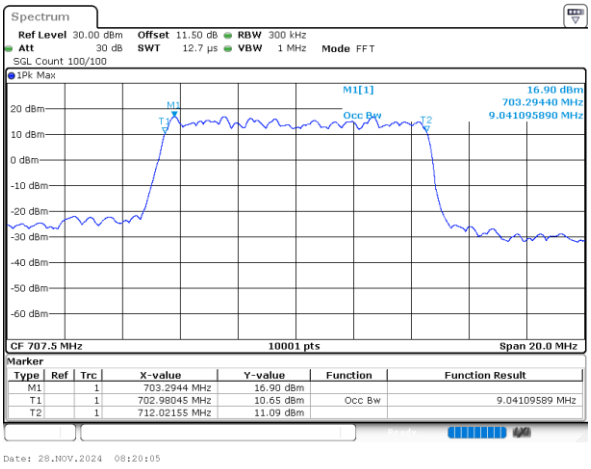


## LTE Band 12

### Middle Channel / 10MHz / QPSK

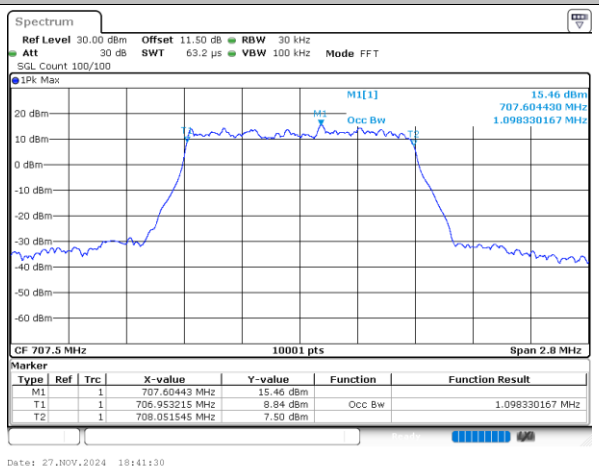



### Middle Channel / 10MHz / 16QAM

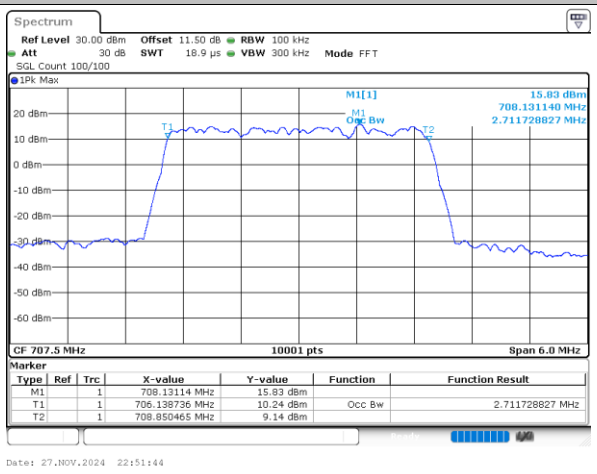



## LTE Band 12

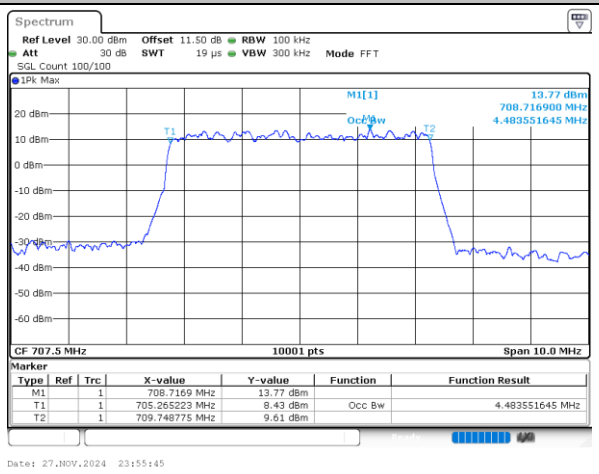
### Middle Channel / 1.4MHz / 64QAM



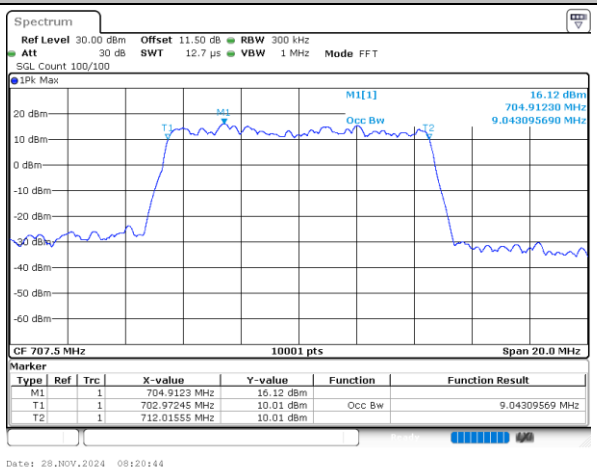

### Middle Channel / 3MHz / 64QAM




### Middle Channel / 5MHz / 64QAM



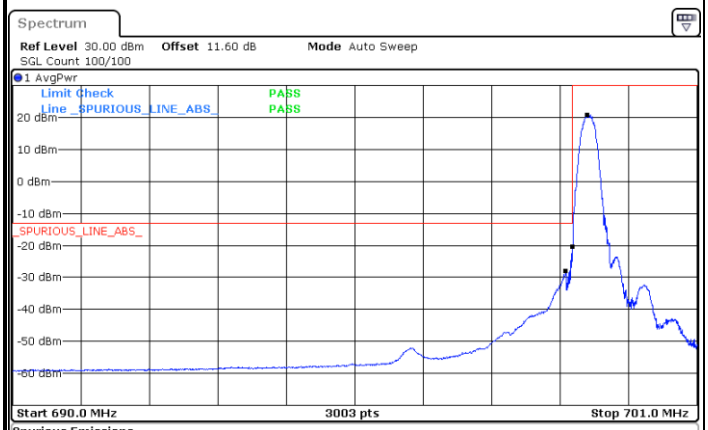

### Middle Channel / 10MHz / 64QAM



# Conducted Band Edge

## LTE Band 12 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB

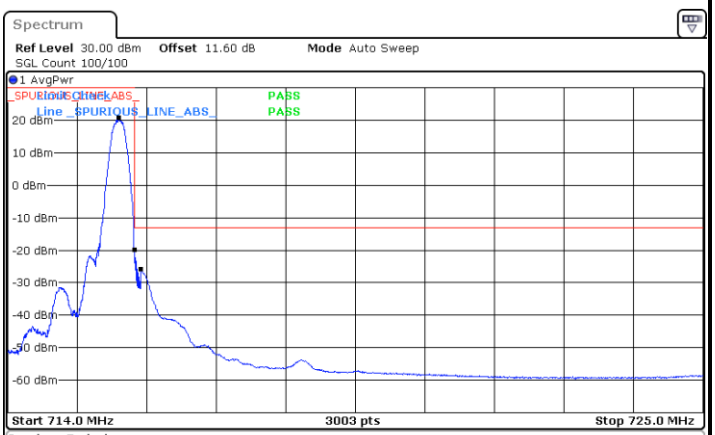



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.88666 MHz | -28.11 dBm | -15.11 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99705 MHz | -20.39 dBm | -7.39 dB |
| 699.000 MHz | 701.000 MHz | 100.000 kHz | 699.23277 MHz | 20.76 dBm | -9.24 dB |

Date: 27.FEB.2025 14:29:22

### Highest Band Edge / 1RB

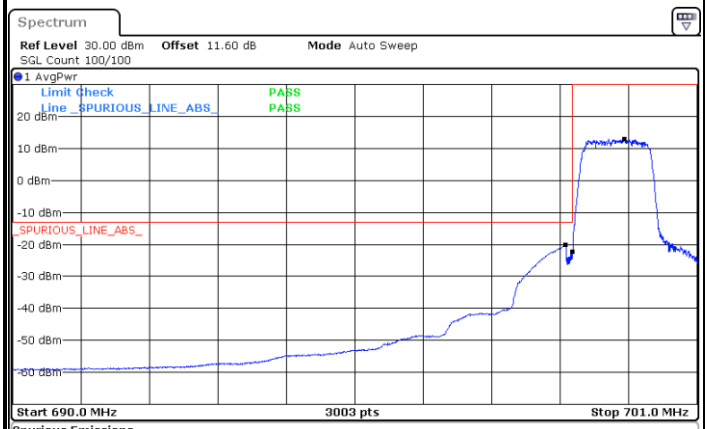



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 714.000 MHz | 716.000 MHz | 100.000 kHz | 715.75524 MHz | 20.71 dBm | -9.29 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00445 MHz | -19.84 dBm | -6.84 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -25.80 dBm | -12.80 dB |

Date: 27.FEB.2025 14:34:36

### Lowest Band Edge / Full RB

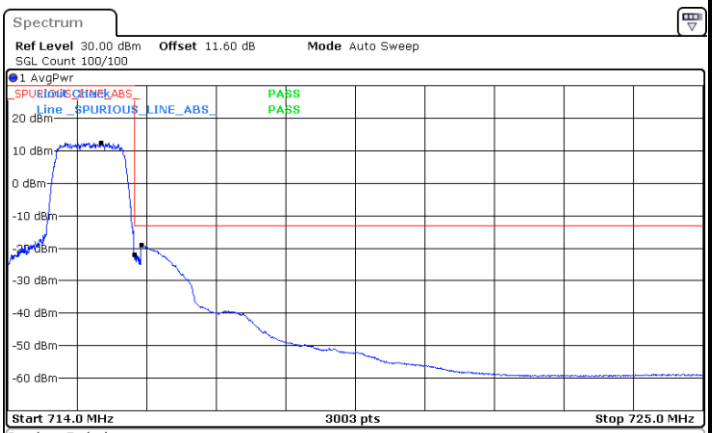



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.88666 MHz | -20.25 dBm | -7.25 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99935 MHz | -22.24 dBm | -9.24 dB |
| 699.000 MHz | 701.000 MHz | 100.000 kHz | 699.82817 MHz | 13.00 dBm | -17.00 dB |

Date: 27.FEB.2025 14:31:59

### Highest Band Edge / Full RB



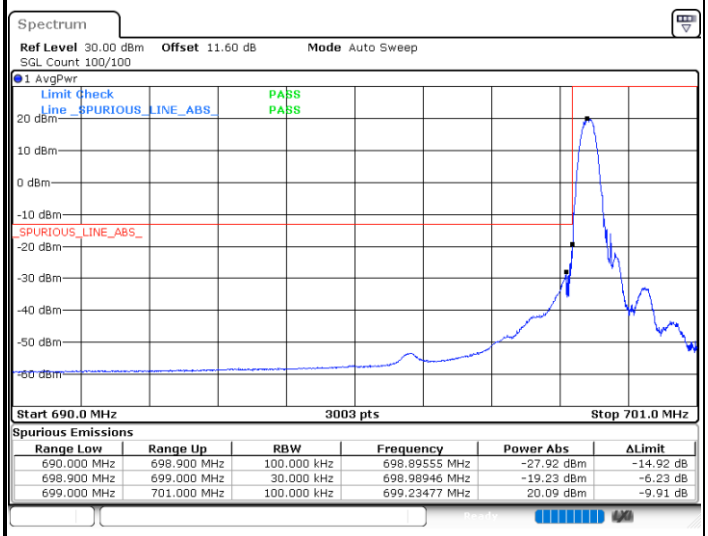

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 714.000 MHz | 716.000 MHz | 100.000 kHz | 715.47952 MHz | 12.39 dBm | -17.61 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.01174 MHz | -22.03 dBm | -9.03 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.11334 MHz | -19.03 dBm | -6.03 dB |

Date: 27.FEB.2025 14:40:15

## LTE Band 12 / 1.4MHz / 16QAM

### Lowest Band Edge / 1 RB

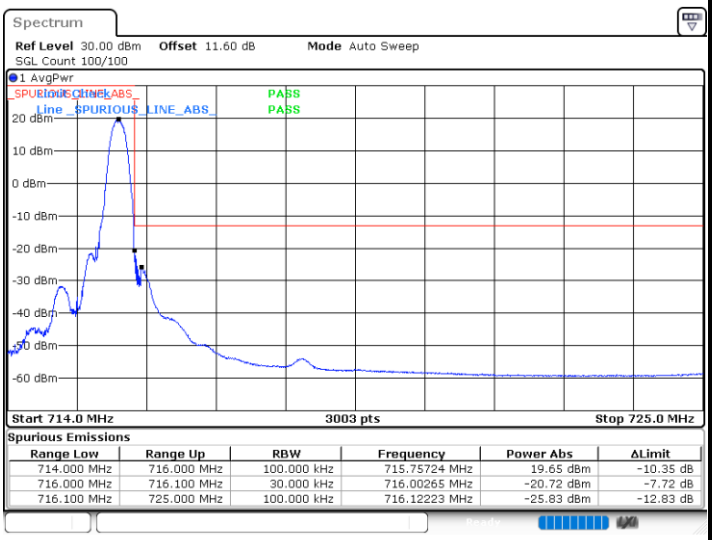



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -27.92 dBm | -14.92 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.98946 MHz | -19.23 dBm | -6.23 dB |
| 699.000 MHz | 701.000 MHz | 100.000 kHz | 699.23477 MHz | 20.09 dBm | -9.91 dB |

Date: 27.FEB.2025 14:30:14

### Highest Band Edge / 1 RB

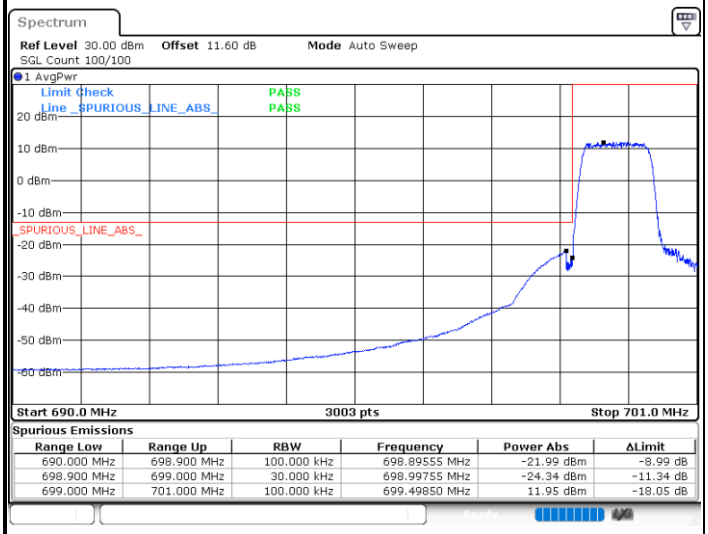



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 714.000 MHz | 716.000 MHz | 100.000 kHz | 715.75724 MHz | 19.65 dBm | -10.35 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00265 MHz | -20.72 dBm | -7.72 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.12223 MHz | -25.83 dBm | -12.83 dB |

Date: 27.FEB.2025 14:38:30

### Lowest Band Edge / Full RB

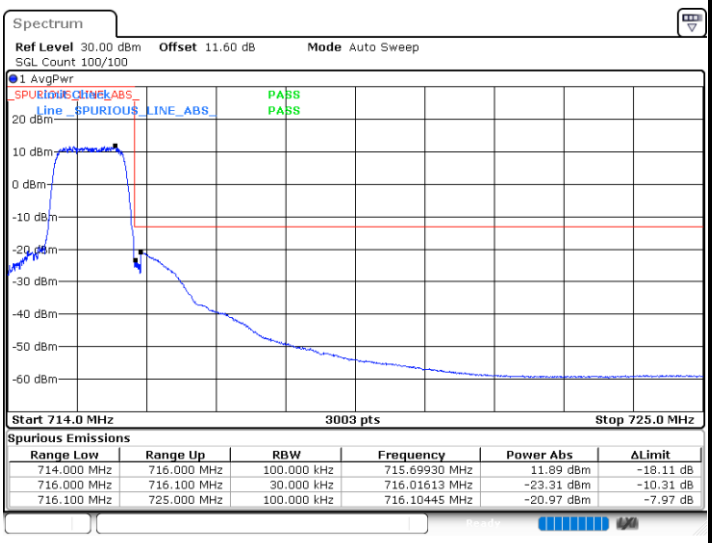



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -21.99 dBm | -8.99 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99755 MHz | -24.34 dBm | -11.34 dB |
| 699.000 MHz | 701.000 MHz | 100.000 kHz | 699.49850 MHz | 11.95 dBm | -18.05 dB |

Date: 27.FEB.2025 14:32:51

### Highest Band Edge / Full RB



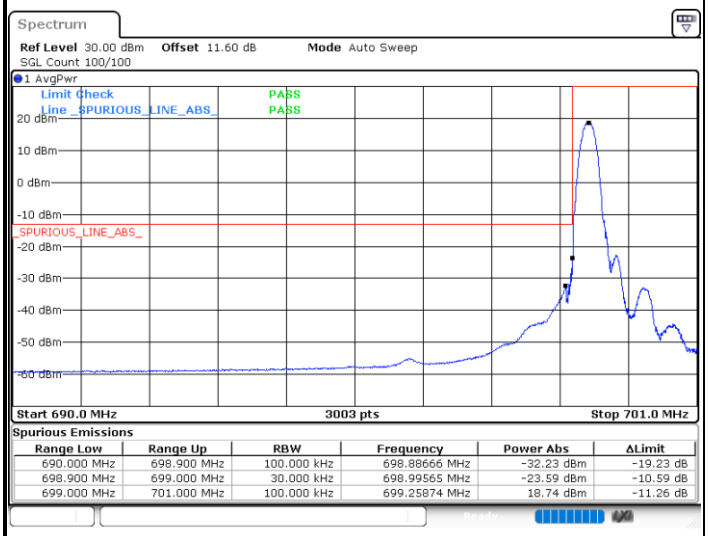

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 714.000 MHz | 716.000 MHz | 100.000 kHz | 715.69930 MHz | 11.89 dBm | -18.11 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.01613 MHz | -23.31 dBm | -10.31 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -20.97 dBm | -7.97 dB |

Date: 27.FEB.2025 14:41:08

## LTE Band 12 / 1.4MHz / 64QAM

### Lowest Band Edge / 1 RB

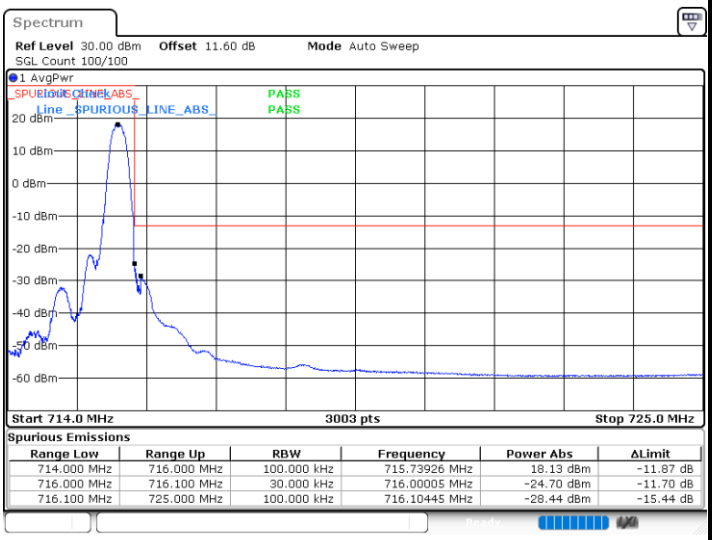



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.88666 MHz | -32.23 dBm | -19.23 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99565 MHz | -23.59 dBm | -10.59 dB |
| 699.000 MHz | 701.000 MHz | 100.000 kHz | 699.25874 MHz | 18.74 dBm | -11.26 dB |

Date: 27.FEB.2025 14:31:06

### Highest Band Edge / 1 RB

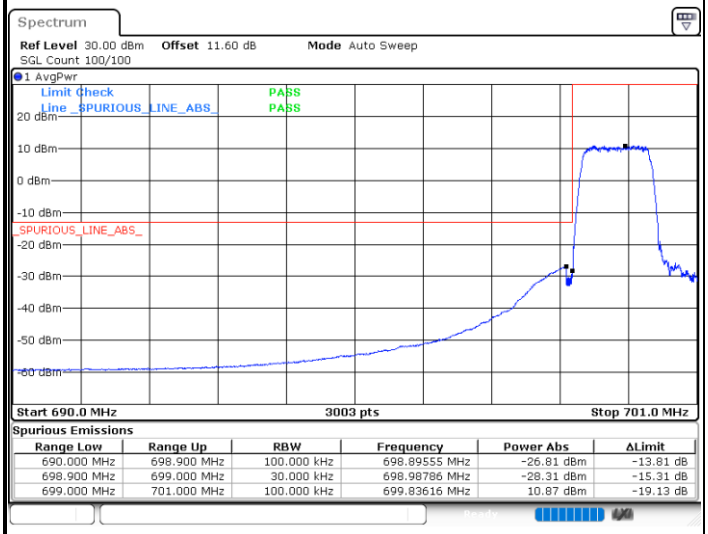



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 714.000 MHz | 716.000 MHz | 100.000 kHz | 715.73926 MHz | 18.13 dBm | -11.87 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00005 MHz | -24.70 dBm | -11.70 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -28.44 dBm | -15.44 dB |

Date: 27.FEB.2025 14:39:23

### Lowest Band Edge / Full RB

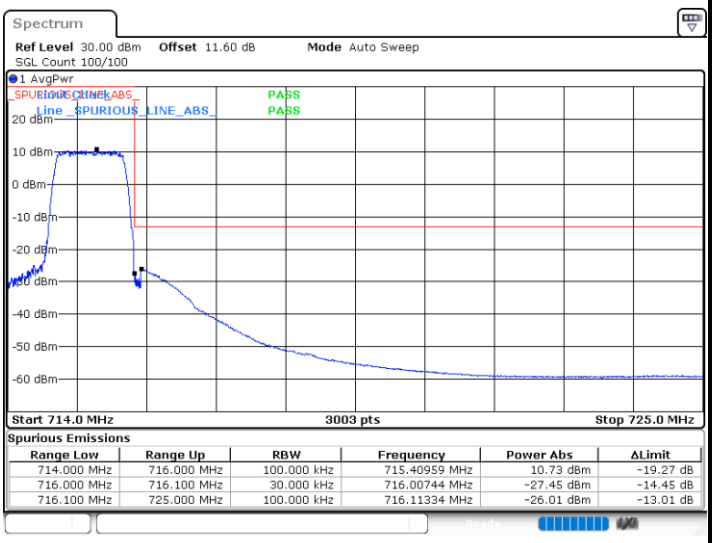



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -26.81 dBm | -13.81 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.98786 MHz | -28.31 dBm | -15.31 dB |
| 699.000 MHz | 701.000 MHz | 100.000 kHz | 699.83616 MHz | 10.87 dBm | -19.13 dB |

Date: 27.FEB.2025 14:33:44

### Highest Band Edge / Full RB



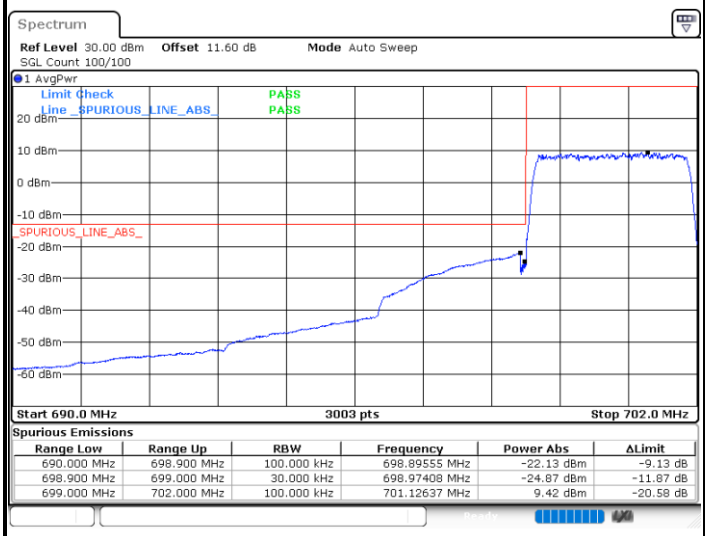

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 714.000 MHz | 716.000 MHz | 100.000 kHz | 715.40959 MHz | 10.73 dBm | -19.27 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00744 MHz | -27.45 dBm | -14.45 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.11334 MHz | -26.01 dBm | -13.01 dB |

Date: 27.FEB.2025 14:42:00

## LTE Band 12 / 3MHz / QPSK

### Lowest Band Edge / Full RB

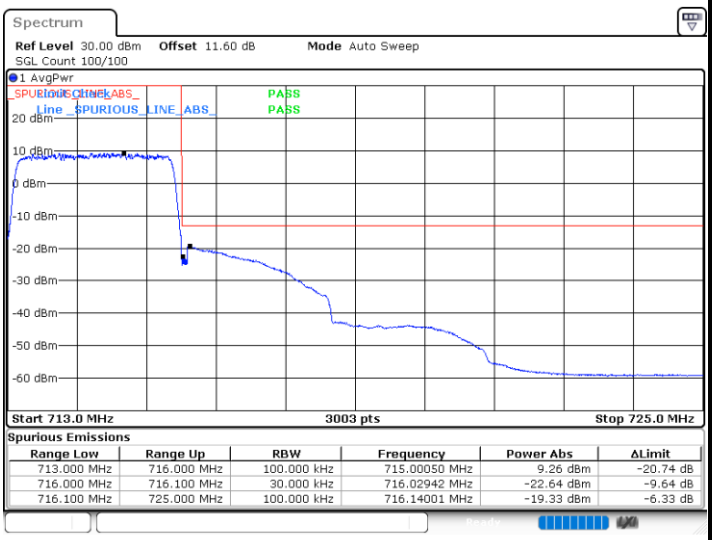



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -22.13 dBm | -9.13 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.97408 MHz | -24.87 dBm | -11.87 dB |
| 699.000 MHz | 702.000 MHz | 100.000 kHz | 701.12637 MHz | 9.42 dBm | -20.58 dB |

Date: 27.FEB.2025 14:42:53

### Highest Band Edge / Full RB



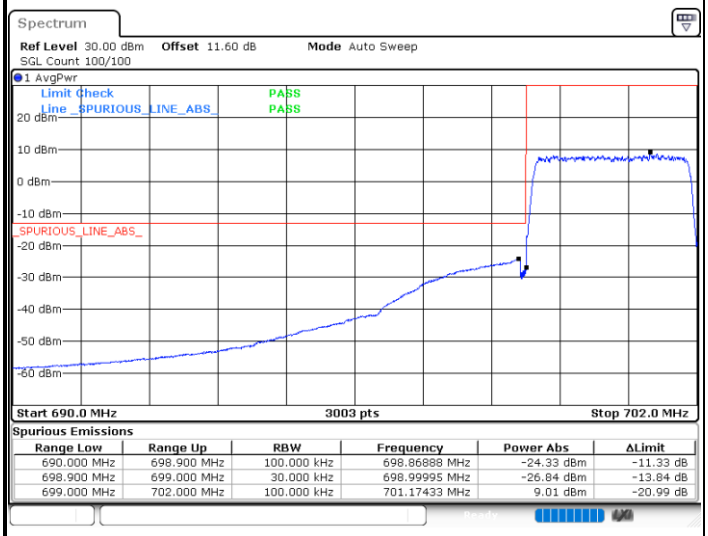

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 713.000 MHz | 716.000 MHz | 100.000 kHz | 715.00050 MHz | 9.26 dBm | -20.74 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.02942 MHz | -22.64 dBm | -9.64 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.14001 MHz | -19.33 dBm | -6.33 dB |

Date: 27.FEB.2025 14:45:31

## LTE Band 12 / 3MHz / 16QAM

### Lowest Band Edge / Full RB

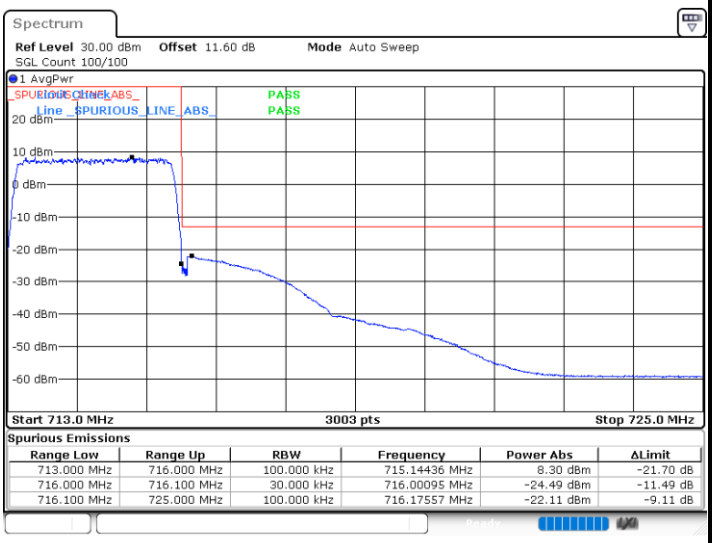



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.86888 MHz | -24.33 dBm | -11.33 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99995 MHz | -26.84 dBm | -13.84 dB |
| 699.000 MHz | 702.000 MHz | 100.000 kHz | 701.17433 MHz | 9.01 dBm | -20.99 dB |

Date: 27.FEB.2025 14:43:46

### Highest Band Edge / Full RB



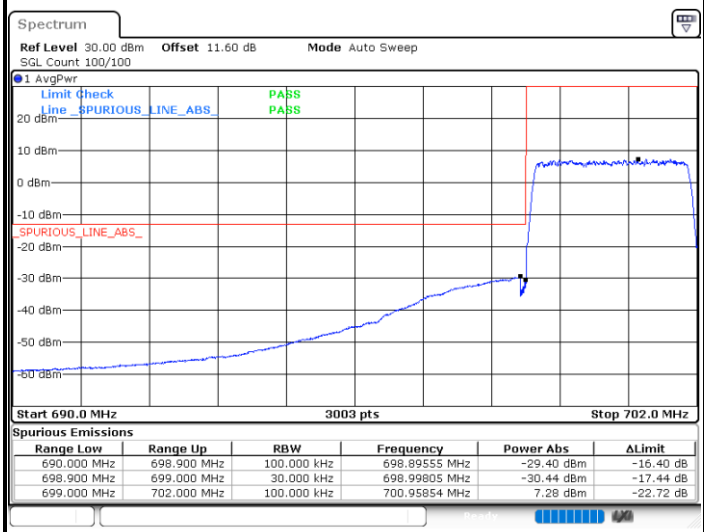

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 713.000 MHz | 716.000 MHz | 100.000 kHz | 715.14436 MHz | 8.30 dBm | -21.70 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00095 MHz | -24.49 dBm | -11.49 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.17557 MHz | -22.11 dBm | -9.11 dB |

Date: 27.FEB.2025 14:46:23

## LTE Band 12 / 3MHz / 64QAM

### Lowest Band Edge / Full RB

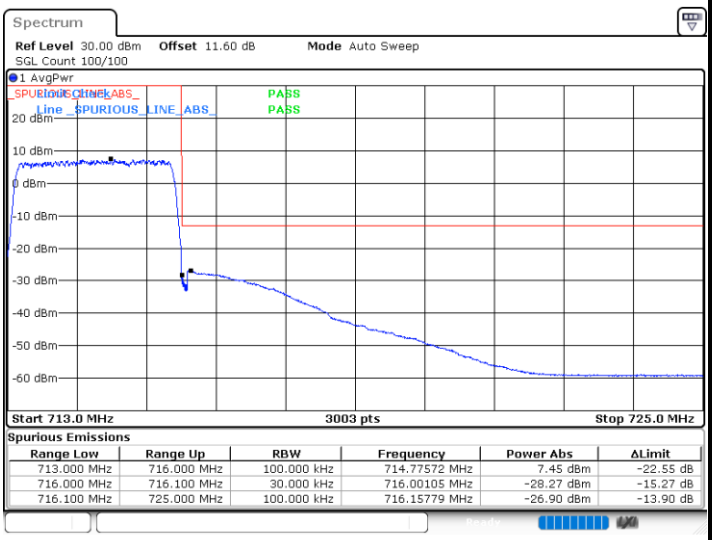



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -29.40 dBm | -16.40 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99805 MHz | -30.44 dBm | -17.44 dB |
| 699.000 MHz | 702.000 MHz | 100.000 kHz | 700.95854 MHz | 7.28 dBm | -22.72 dB |

Date: 27.FEB.2025 14:44:38

### Highest Band Edge / Full RB



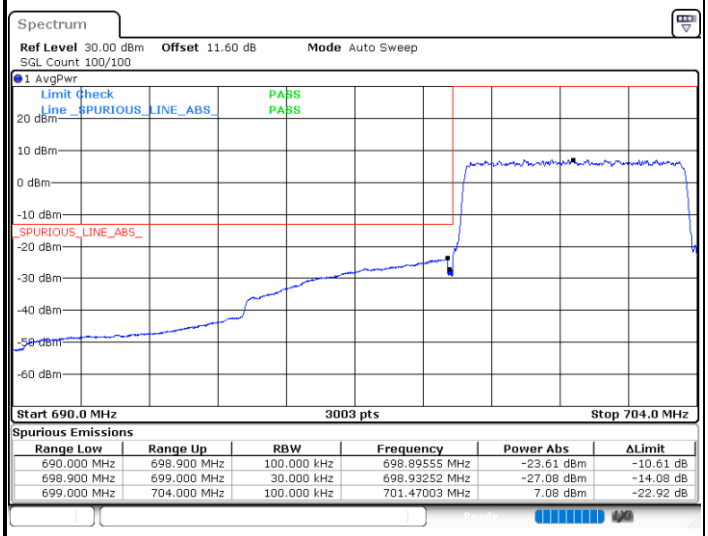

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 713.000 MHz | 716.000 MHz | 100.000 kHz | 714.77572 MHz | 7.45 dBm | -22.55 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00105 MHz | -28.27 dBm | -15.27 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.15779 MHz | -26.90 dBm | -13.90 dB |

Date: 27.FEB.2025 14:47:16

## LTE Band 12 / 5MHz / QPSK

### Lowest Band Edge / Full RB

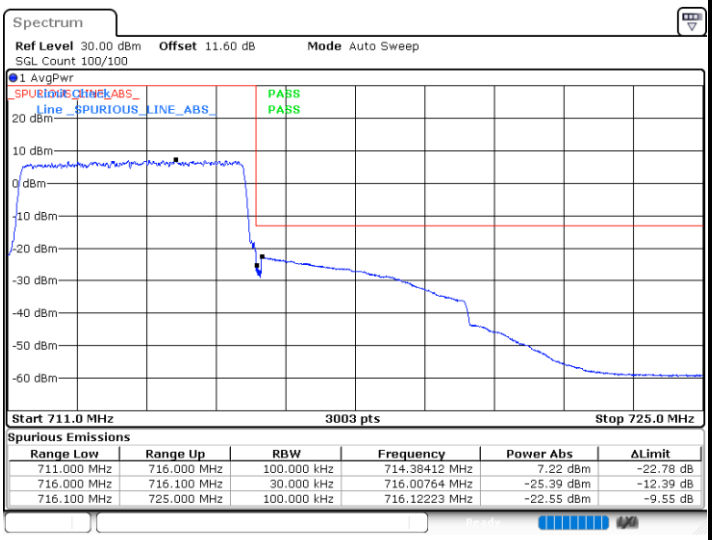



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -23.61 dBm | -10.61 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.93252 MHz | -27.08 dBm | -14.08 dB |
| 699.000 MHz | 704.000 MHz | 100.000 kHz | 701.47003 MHz | 7.08 dBm | -22.92 dB |

Date: 27.FEB.2025 14:48:09

### Highest Band Edge / Full RB



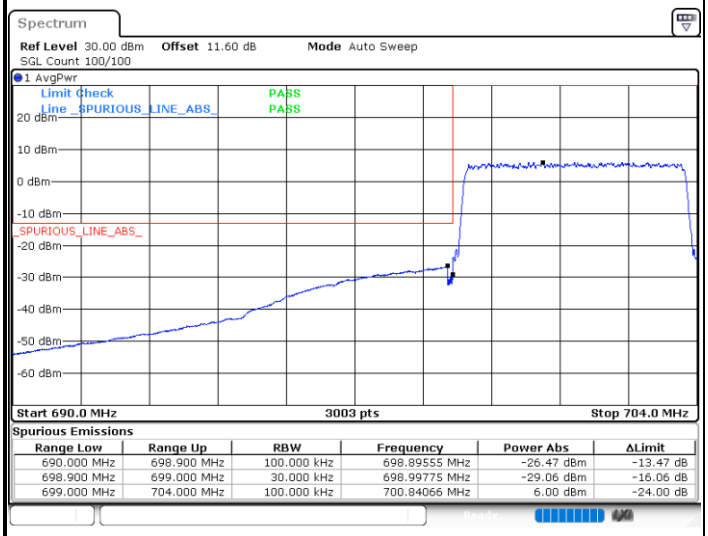

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 711.000 MHz | 716.000 MHz | 100.000 kHz | 714.38412 MHz | 7.22 dBm | -22.78 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00764 MHz | -25.39 dBm | -12.39 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.12223 MHz | -22.55 dBm | -9.55 dB |

Date: 27.FEB.2025 14:50:47

## LTE Band 12 / 5MHz / 16QAM

### Lowest Band Edge / Full RB

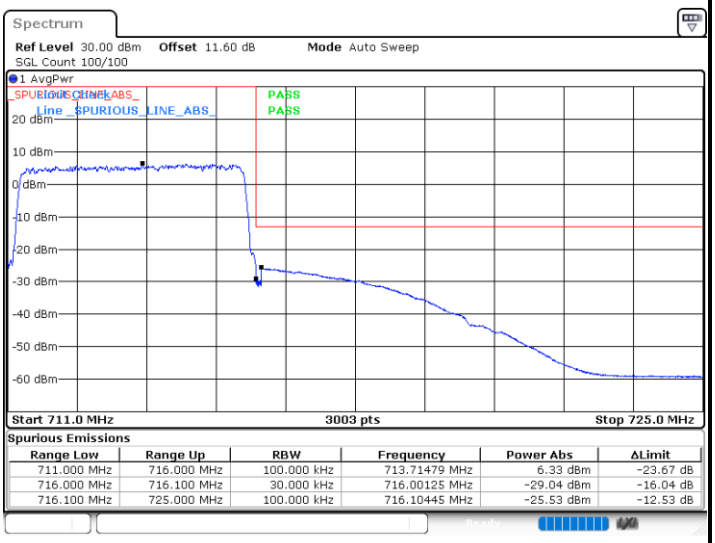



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -26.47 dBm | -13.47 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99775 MHz | -29.06 dBm | -16.06 dB |
| 699.000 MHz | 704.000 MHz | 100.000 kHz | 700.84066 MHz | 6.00 dBm | -24.00 dB |

Date: 27.FEB.2025 14:49:02

### Highest Band Edge / Full RB



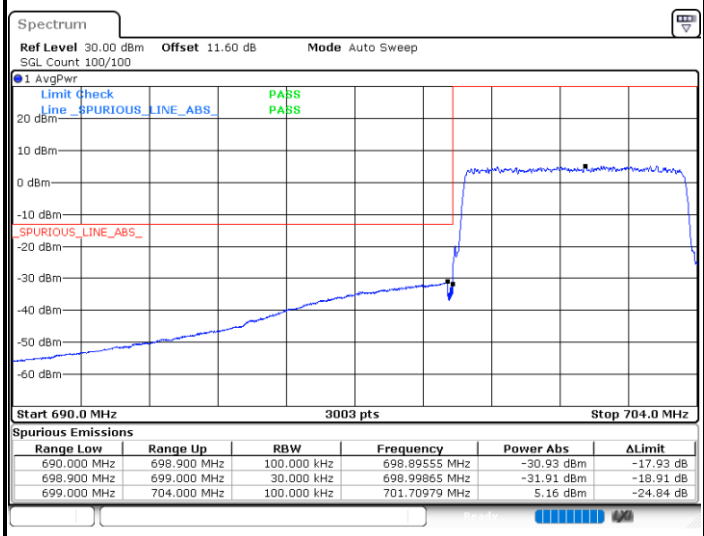

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 711.000 MHz | 716.000 MHz | 100.000 kHz | 713.71479 MHz | 6.33 dBm | -23.67 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00125 MHz | -29.04 dBm | -16.04 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -25.53 dBm | -12.53 dB |

Date: 27.FEB.2025 14:51:39

## LTE Band 12 / 5MHz / 64QAM

### Lowest Band Edge / Full RB

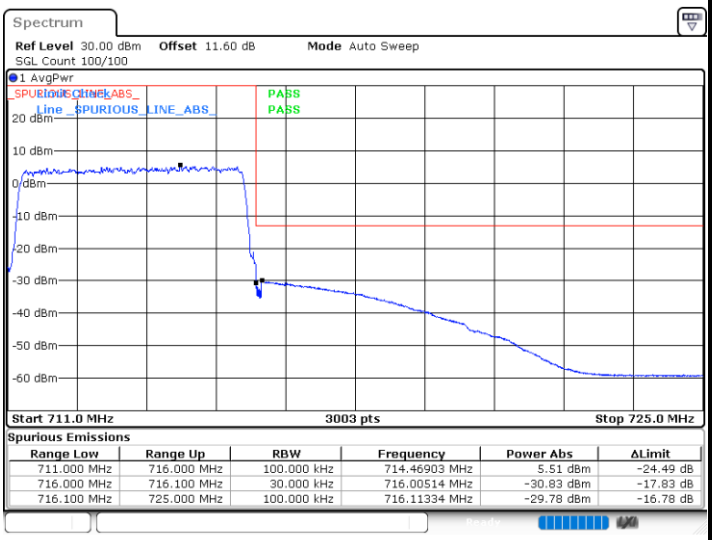



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -30.93 dBm | -17.93 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99865 MHz | -31.91 dBm | -18.91 dB |
| 699.000 MHz | 704.000 MHz | 100.000 kHz | 701.70979 MHz | 5.16 dBm | -24.84 dB |

Date: 27.FEB.2025 14:49:55

### Highest Band Edge / Full RB



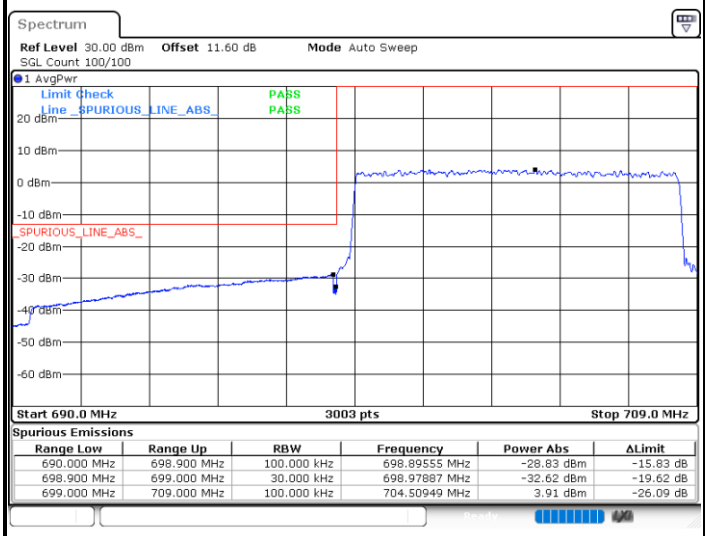

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 711.000 MHz | 716.000 MHz | 100.000 kHz | 714.46903 MHz | 5.51 dBm | -24.49 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.00514 MHz | -30.83 dBm | -17.83 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.11334 MHz | -29.78 dBm | -16.78 dB |

Date: 27.FEB.2025 14:52:33

## LTE Band 12 / 10MHz / QPSK

### Lowest Band Edge / Full RB

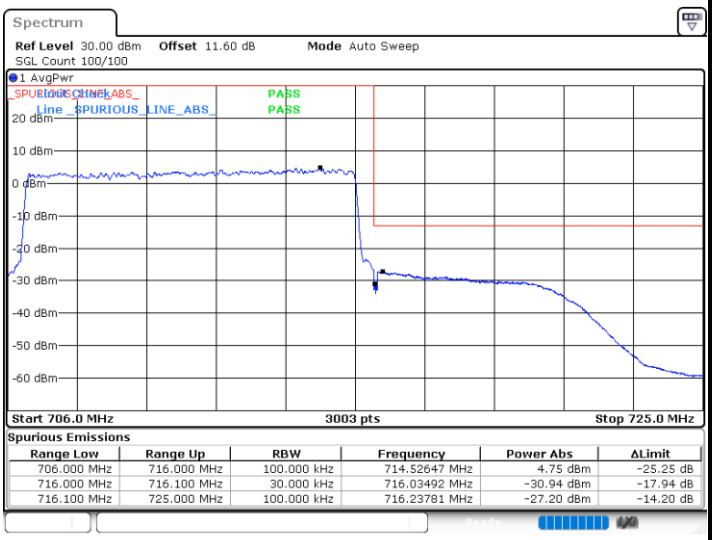



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -28.83 dBm | -15.83 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.97887 MHz | -32.62 dBm | -19.62 dB |
| 699.000 MHz | 709.000 MHz | 100.000 kHz | 704.50949 MHz | 3.91 dBm | -26.09 dB |

Date: 27.FEB.2025 14:53:26

### Highest Band Edge / Full RB



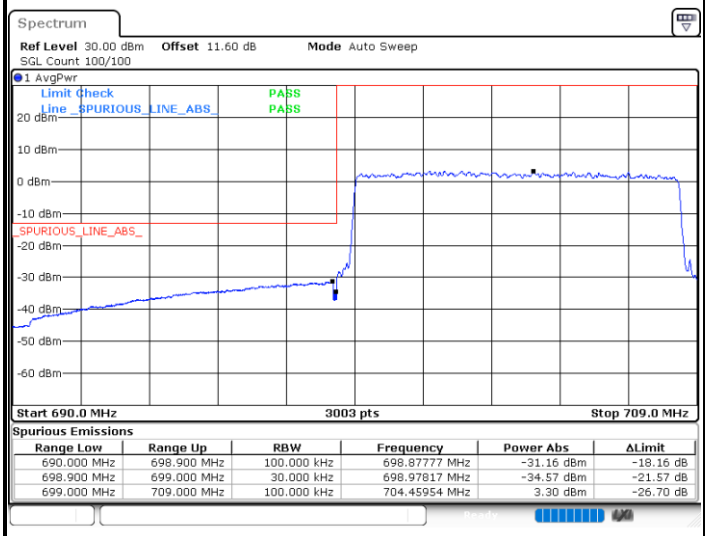

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 706.000 MHz | 716.000 MHz | 100.000 kHz | 714.52647 MHz | 4.75 dBm | -25.25 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.03492 MHz | -30.94 dBm | -17.94 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.23781 MHz | -27.20 dBm | -14.20 dB |

Date: 27.FEB.2025 14:56:03

## LTE Band 12 / 10MHz / 16QAM

### Lowest Band Edge / Full RB

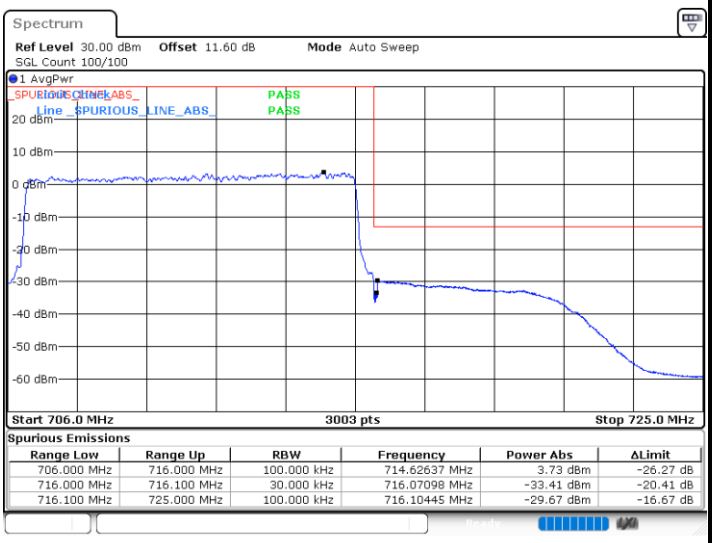



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.87777 MHz | -31.16 dBm | -18.16 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.97817 MHz | -34.57 dBm | -21.57 dB |
| 699.000 MHz | 709.000 MHz | 100.000 kHz | 704.45954 MHz | 3.30 dBm | -26.70 dB |

Date: 27.FEB.2025 14:54:18

### Highest Band Edge / Full RB



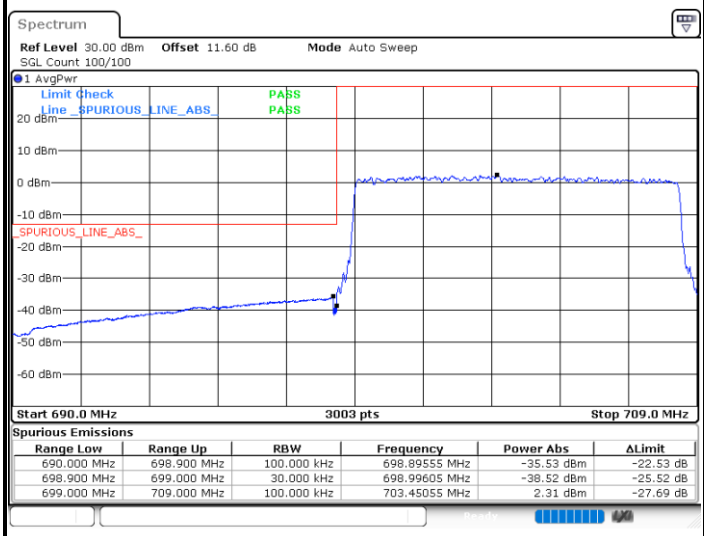

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 706.000 MHz | 716.000 MHz | 100.000 kHz | 714.62637 MHz | 3.73 dBm | -26.27 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.07098 MHz | -33.41 dBm | -20.41 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.10445 MHz | -29.67 dBm | -16.67 dB |

Date: 27.FEB.2025 14:56:56

## LTE Band 12 / 10MHz / 64QAM

### Lowest Band Edge / Full RB

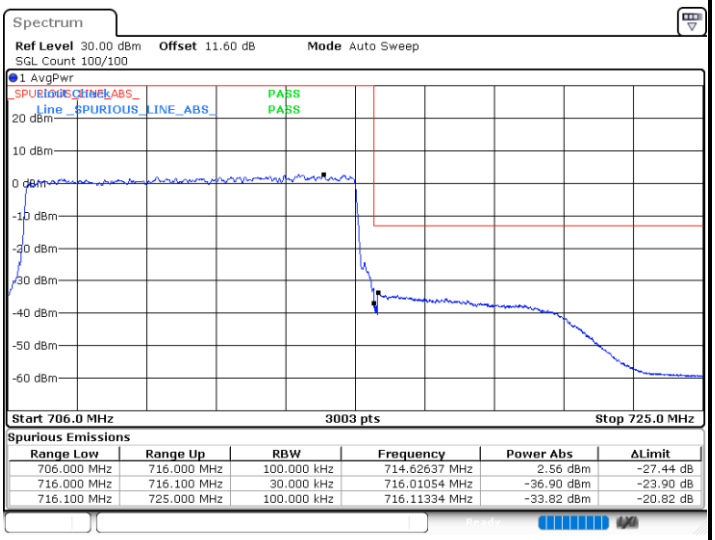



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 690.000 MHz | 698.900 MHz | 100.000 kHz | 698.89555 MHz | -35.53 dBm | -22.53 dB |
| 698.900 MHz | 699.000 MHz | 30.000 kHz | 698.99605 MHz | -38.52 dBm | -25.52 dB |
| 699.000 MHz | 709.000 MHz | 100.000 kHz | 703.45055 MHz | 2.31 dBm | -27.69 dB |

Date: 27.FEB.2025 14:55:11

### Highest Band Edge / Full RB




Spurious Emissions

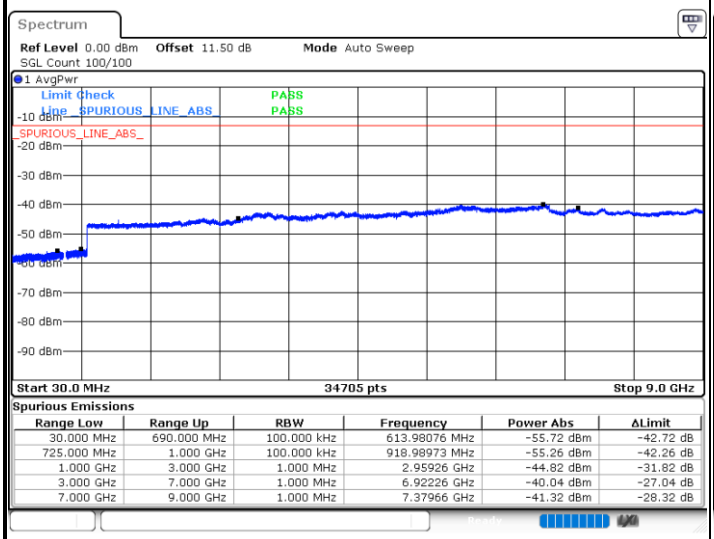
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 706.000 MHz | 716.000 MHz | 100.000 kHz | 714.62637 MHz | 2.56 dBm | -27.44 dB |
| 716.000 MHz | 716.100 MHz | 30.000 kHz | 716.01054 MHz | -36.90 dBm | -23.90 dB |
| 716.100 MHz | 725.000 MHz | 100.000 kHz | 716.11334 MHz | -33.82 dBm | -20.82 dB |

Date: 27.FEB.2025 14:57:48

# Conducted Spurious Emission

## LTE Band 12 / 1.4MHz

### Lowest Channel / QPSK

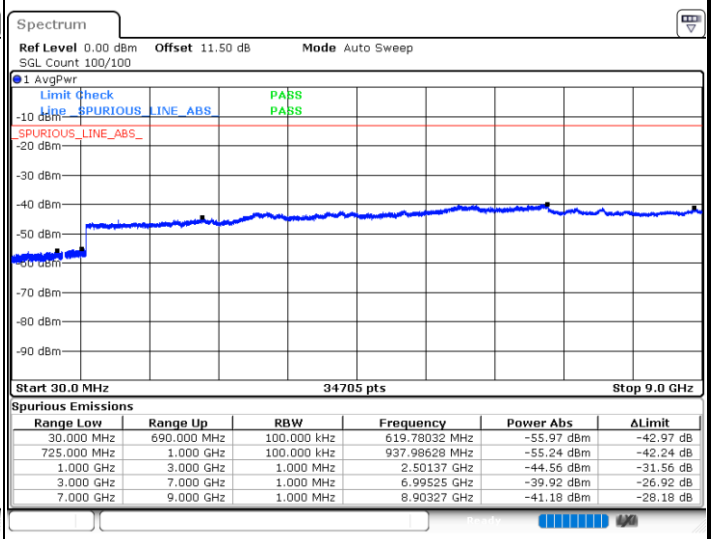



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 613.98076 MHz | -55.72 dBm | -42.72 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 918.98973 MHz | -55.26 dBm | -42.26 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.95926 GHz | -44.82 dBm | -31.82 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.92226 GHz | -40.04 dBm | -27.04 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.37966 GHz | -41.32 dBm | -28.32 dB |

Date: 27.NOV.2024 18:44:44

### Middle Channel / QPSK

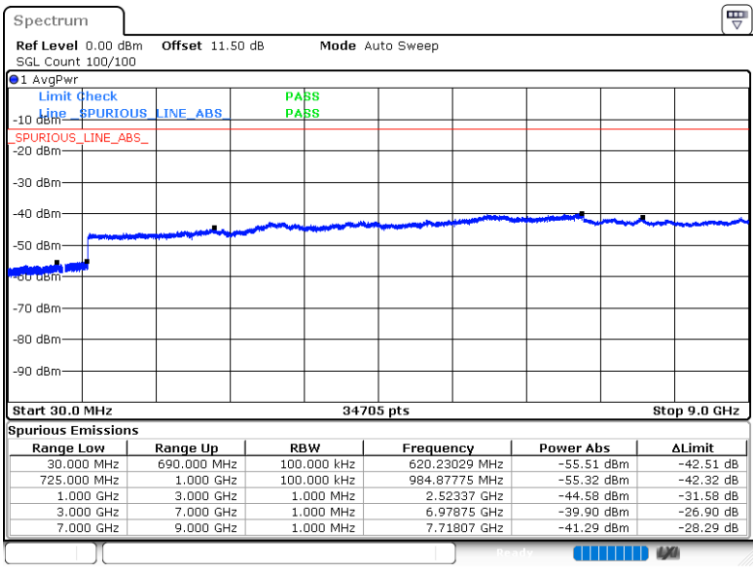



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 619.78032 MHz | -55.97 dBm | -42.97 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 937.98628 MHz | -55.24 dBm | -42.24 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.50137 GHz | -44.56 dBm | -31.56 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.99525 GHz | -39.92 dBm | -26.92 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.90327 GHz | -41.18 dBm | -28.18 dB |

Date: 27.NOV.2024 18:46:14

### Highest Channel / QPSK



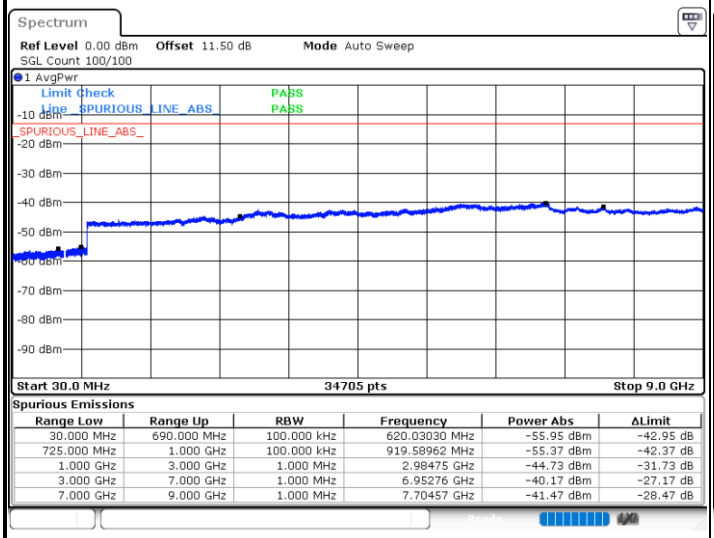

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 620.23029 MHz | -55.51 dBm | -42.51 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 984.87775 MHz | -55.32 dBm | -42.32 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.52337 GHz | -44.58 dBm | -31.58 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.97875 GHz | -39.90 dBm | -26.90 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.71807 GHz | -41.29 dBm | -28.29 dB |

Date: 27.NOV.2024 18:47:43

## LTE Band 12 / 3MHz

### Lowest Channel / QPSK

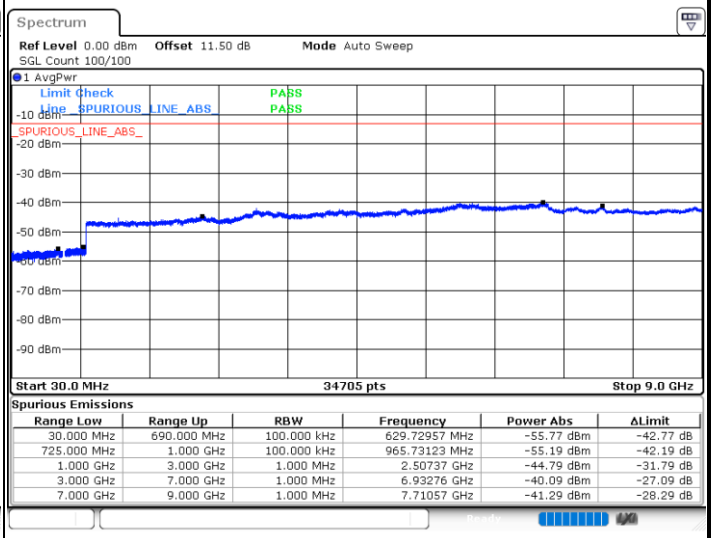



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 620.03030 MHz | -55.95 dBm | -42.95 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 919.58962 MHz | -55.37 dBm | -42.37 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.98475 GHz | -44.73 dBm | -31.73 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.95276 GHz | -40.17 dBm | -27.17 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.70457 GHz | -41.47 dBm | -28.47 dB |

Date: 27.NOV.2024 22:54:57

### Middle Channel / QPSK

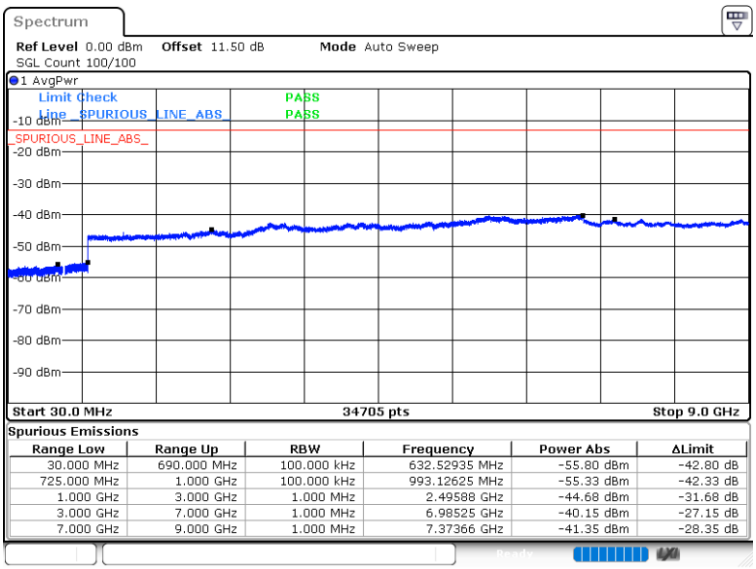



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 629.72957 MHz | -55.77 dBm | -42.77 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 965.73123 MHz | -55.19 dBm | -42.19 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.50737 GHz | -44.79 dBm | -31.79 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.93276 GHz | -40.09 dBm | -27.09 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.71057 GHz | -41.29 dBm | -28.29 dB |

Date: 27.NOV.2024 22:56:25

### Highest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 632.52935 MHz | -55.80 dBm | -42.80 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 993.12625 MHz | -55.33 dBm | -42.33 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 2.49588 GHz | -44.68 dBm | -31.68 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.98525 GHz | -40.15 dBm | -27.15 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.37366 GHz | -41.35 dBm | -28.35 dB |

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