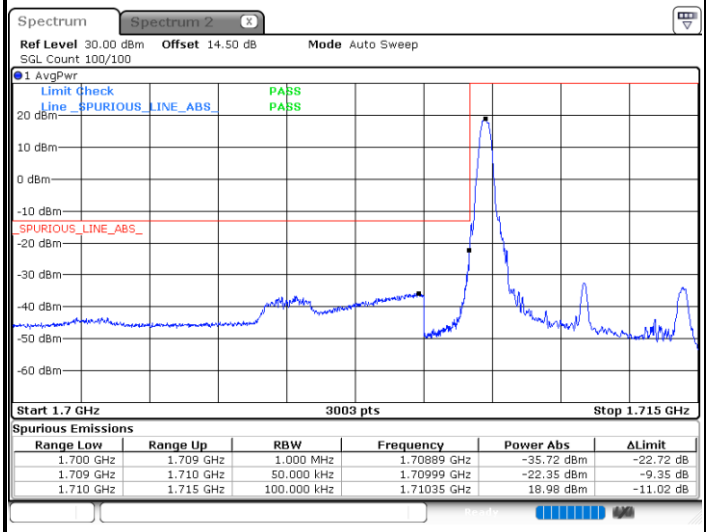
## LTE Band 66 / 5MHz / 16QAM

### Lowest Band Edge / 1 RB

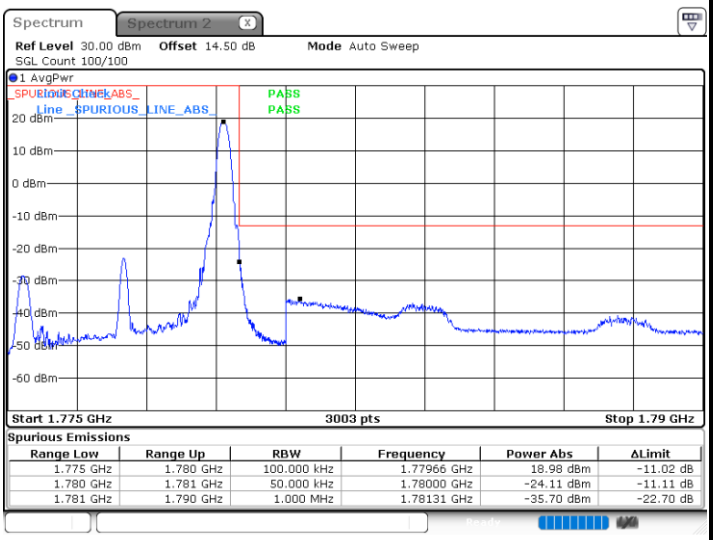



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70889 GHz | -35.72 dBm | -22.72 dB |
| 1.709 GHz | 1.710 GHz | 50.000 kHz | 1.70999 GHz | -22.35 dBm | -9.35 dB |
| 1.710 GHz | 1.715 GHz | 100.000 kHz | 1.71035 GHz | 18.98 dBm | -11.02 dB |

Date: 2.DEC.2024 21:21:50

### Highest Band Edge / 1 RB

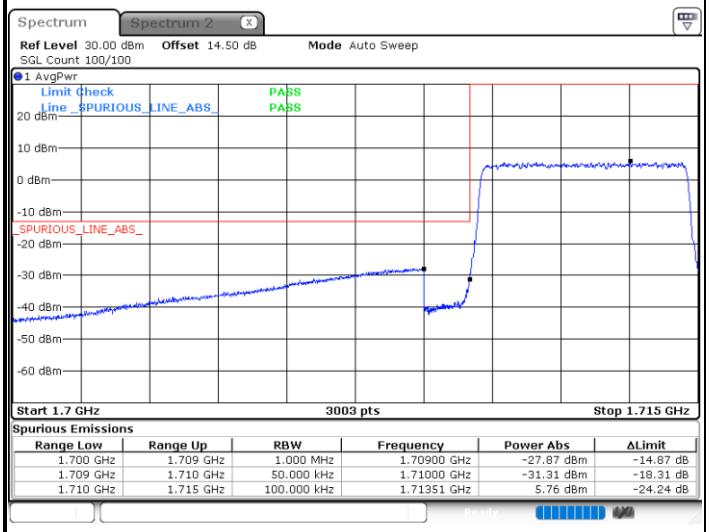



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.775 GHz | 1.780 GHz | 100.000 kHz | 1.77966 GHz | 18.98 dBm | -11.02 dB |
| 1.780 GHz | 1.781 GHz | 50.000 kHz | 1.78000 GHz | -24.11 dBm | -11.11 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78131 GHz | -35.70 dBm | -22.70 dB |

Date: 2.DEC.2024 21:28:11

### Lowest Band Edge / Full RB

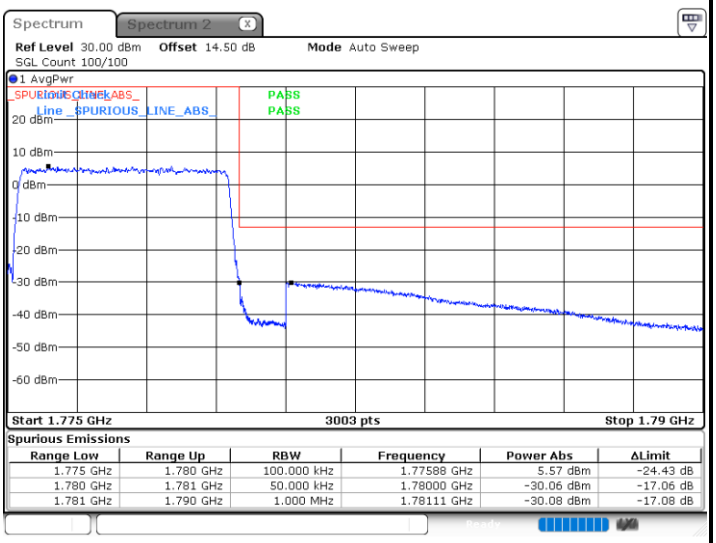



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70900 GHz | -27.87 dBm | -14.87 dB |
| 1.709 GHz | 1.710 GHz | 50.000 kHz | 1.71000 GHz | -31.31 dBm | -18.31 dB |
| 1.710 GHz | 1.715 GHz | 100.000 kHz | 1.71351 GHz | 5.76 dBm | -24.24 dB |

Date: 2.DEC.2024 21:24:20

### Highest Band Edge / Full RB



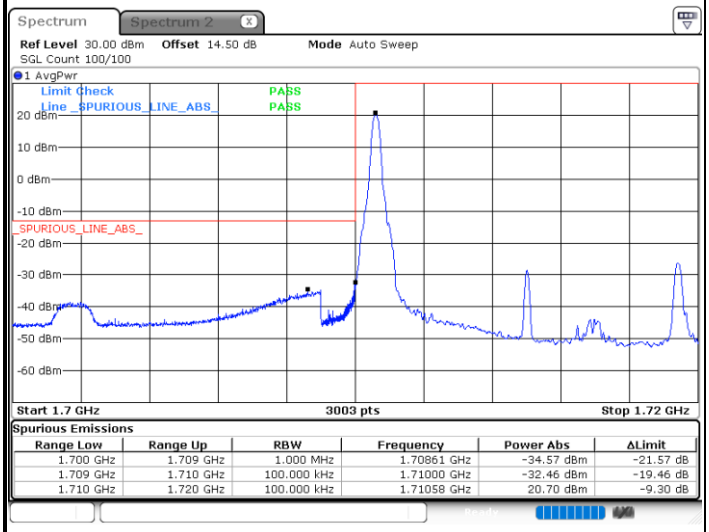

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.775 GHz | 1.780 GHz | 100.000 kHz | 1.77588 GHz | 5.57 dBm | -24.43 dB |
| 1.780 GHz | 1.781 GHz | 50.000 kHz | 1.78000 GHz | -30.06 dBm | -17.06 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78111 GHz | -30.08 dBm | -17.08 dB |

Date: 2.DEC.2024 21:29:31

## LTE Band 66 / 10MHz / QPSK

### Lowest Band Edge / 1RB

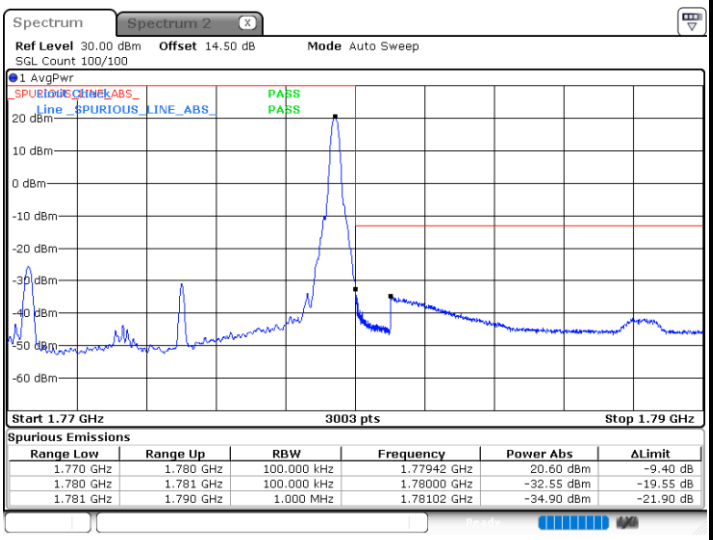



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70861 GHz | -34.57 dBm | -21.57 dB |
| 1.709 GHz | 1.710 GHz | 100.000 kHz | 1.71000 GHz | -32.46 dBm | -19.46 dB |
| 1.710 GHz | 1.720 GHz | 100.000 kHz | 1.71058 GHz | 20.70 dBm | -9.30 dB |

Date: 2.DEC.2024 21:32:04

### Highest Band Edge / 1RB

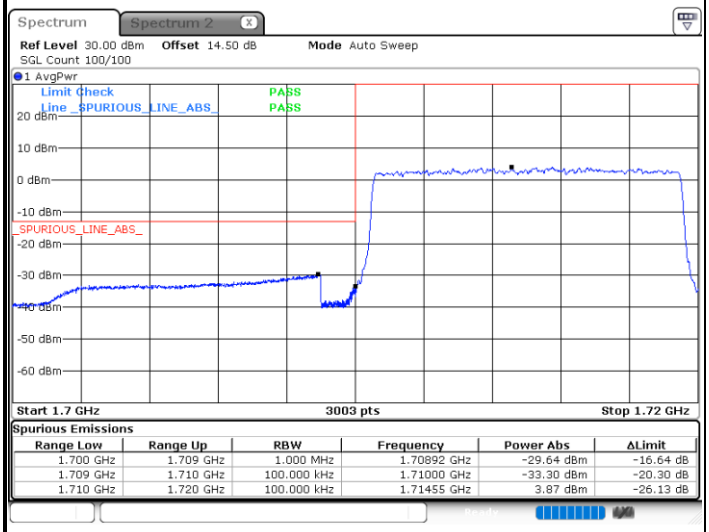



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.770 GHz | 1.780 GHz | 100.000 kHz | 1.77942 GHz | 20.60 dBm | -9.40 dB |
| 1.780 GHz | 1.781 GHz | 100.000 kHz | 1.78000 GHz | -32.55 dBm | -19.55 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78102 GHz | -34.90 dBm | -21.90 dB |

Date: 2.DEC.2024 21:48:40

### Lowest Band Edge / Full RB

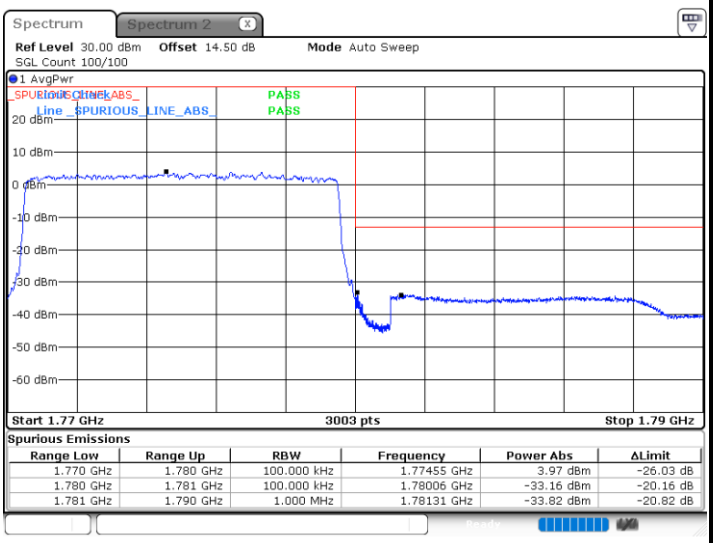



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70892 GHz | -29.64 dBm | -16.64 dB |
| 1.709 GHz | 1.710 GHz | 100.000 kHz | 1.71000 GHz | -33.30 dBm | -20.30 dB |
| 1.710 GHz | 1.720 GHz | 100.000 kHz | 1.71455 GHz | 3.87 dBm | -26.13 dB |

Date: 2.DEC.2024 21:33:24

### Highest Band Edge / Full RB



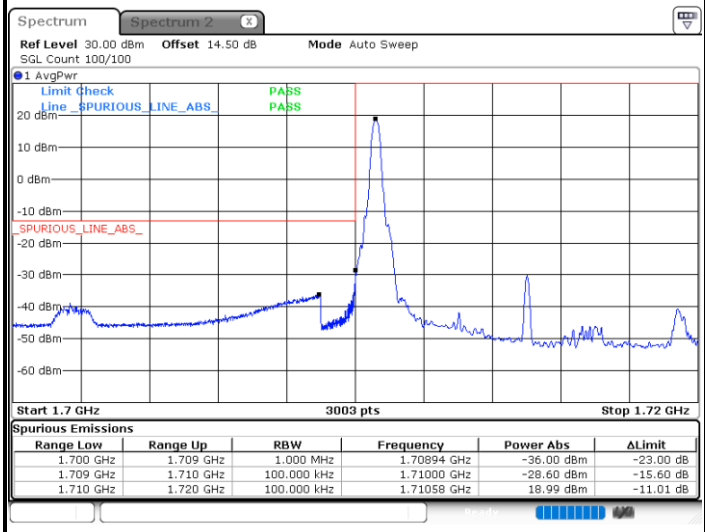

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.770 GHz | 1.780 GHz | 100.000 kHz | 1.77455 GHz | 3.97 dBm | -26.03 dB |
| 1.780 GHz | 1.781 GHz | 100.000 kHz | 1.78006 GHz | -33.16 dBm | -20.16 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78131 GHz | -33.82 dBm | -20.82 dB |

Date: 2.DEC.2024 21:50:00

## LTE Band 66 / 10MHz / 16QAM

### Lowest Band Edge / 1 RB

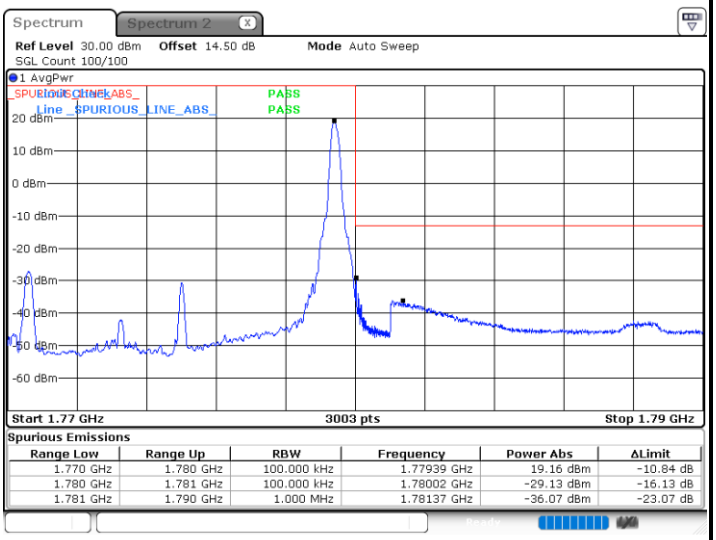



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70894 GHz | -36.00 dBm | -23.00 dB |
| 1.709 GHz | 1.710 GHz | 100.000 kHz | 1.71000 GHz | -28.60 dBm | -15.60 dB |
| 1.710 GHz | 1.720 GHz | 100.000 kHz | 1.71058 GHz | 18.99 dBm | -11.01 dB |

Date: 2.DEC.2024 21:32:44

### Highest Band Edge / 1 RB

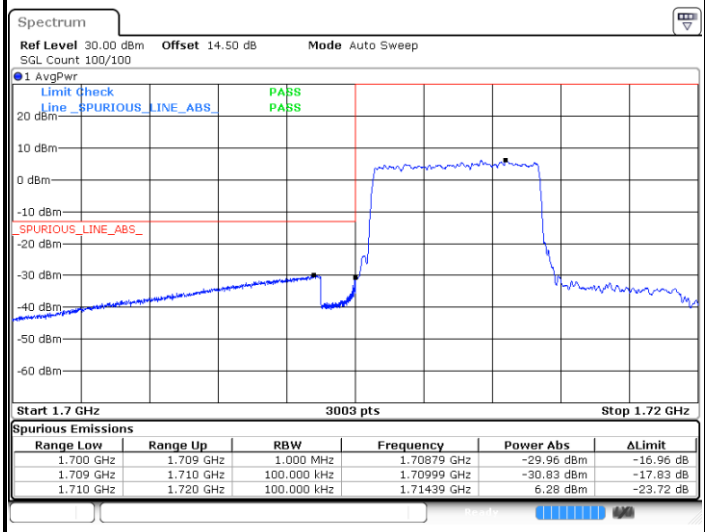



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.770 GHz | 1.780 GHz | 100.000 kHz | 1.77939 GHz | 19.16 dBm | -10.84 dB |
| 1.780 GHz | 1.781 GHz | 100.000 kHz | 1.78002 GHz | -29.13 dBm | -16.13 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78137 GHz | -36.07 dBm | -23.07 dB |

Date: 2.DEC.2024 21:49:20

### Lowest Band Edge / Full RB

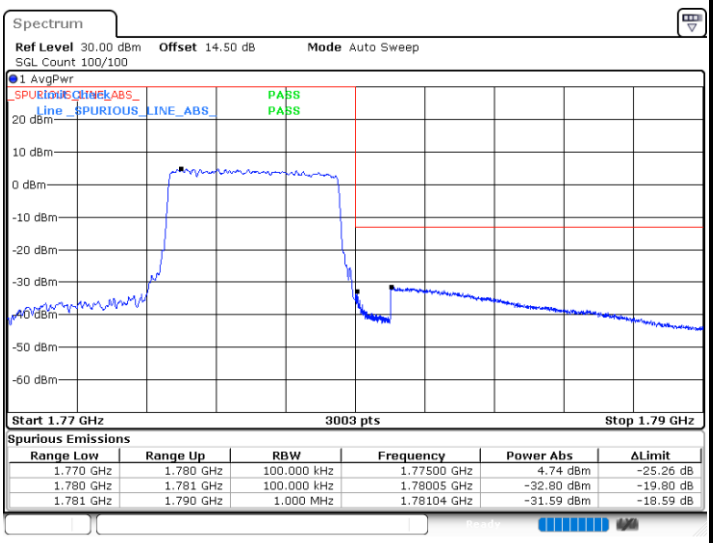



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70879 GHz | -29.96 dBm | -16.96 dB |
| 1.709 GHz | 1.710 GHz | 100.000 kHz | 1.70999 GHz | -30.83 dBm | -17.83 dB |
| 1.710 GHz | 1.720 GHz | 100.000 kHz | 1.71439 GHz | 6.28 dBm | -23.72 dB |

Date: 6.DEC.2024 16:49:56

### Highest Band Edge / Full RB



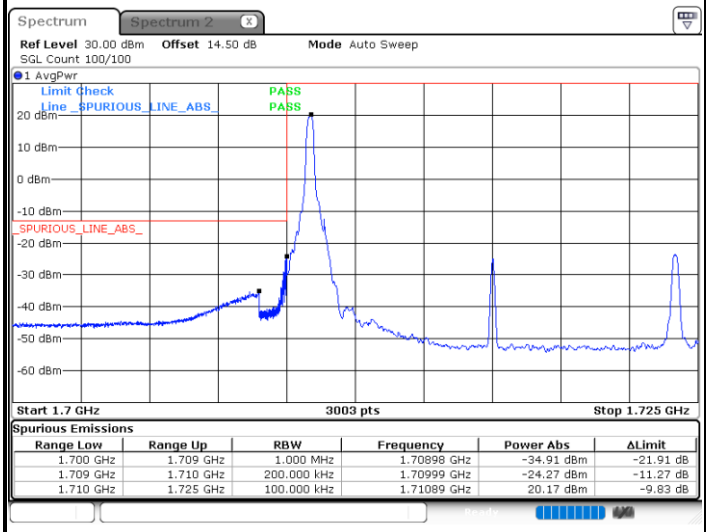

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.770 GHz | 1.780 GHz | 100.000 kHz | 1.77500 GHz | 4.74 dBm | -25.26 dB |
| 1.780 GHz | 1.781 GHz | 100.000 kHz | 1.78005 GHz | -32.80 dBm | -19.80 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78104 GHz | -31.59 dBm | -18.59 dB |

Date: 6.DEC.2024 20:19:31

## LTE Band 66 / 15MHz / QPSK

### Lowest Band Edge / 1RB

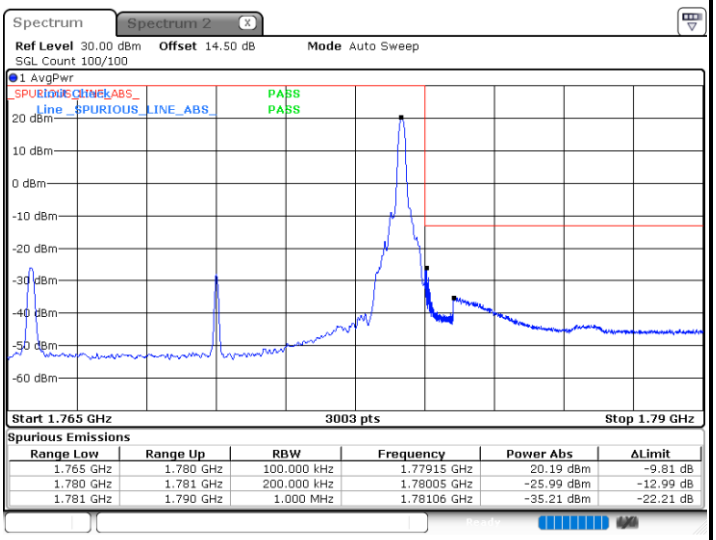



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70898 GHz | -34.91 dBm | -21.91 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70999 GHz | -24.27 dBm | -11.27 dB |
| 1.710 GHz | 1.725 GHz | 100.000 kHz | 1.71089 GHz | 20.17 dBm | -9.83 dB |

Date: 2.DEC.2024 21:52:33

### Highest Band Edge / 1RB

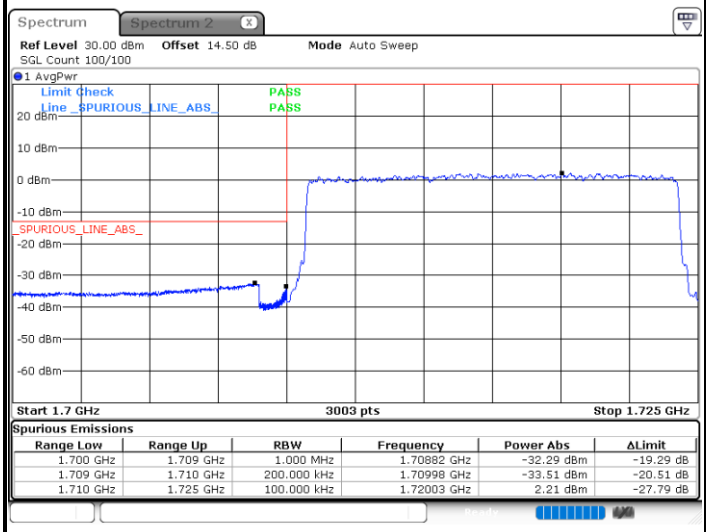



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.765 GHz | 1.780 GHz | 100.000 kHz | 1.77915 GHz | 20.19 dBm | -9.81 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78005 GHz | -25.99 dBm | -12.99 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78106 GHz | -35.21 dBm | -22.21 dB |

Date: 2.DEC.2024 22:08:36

### Lowest Band Edge / Full RB

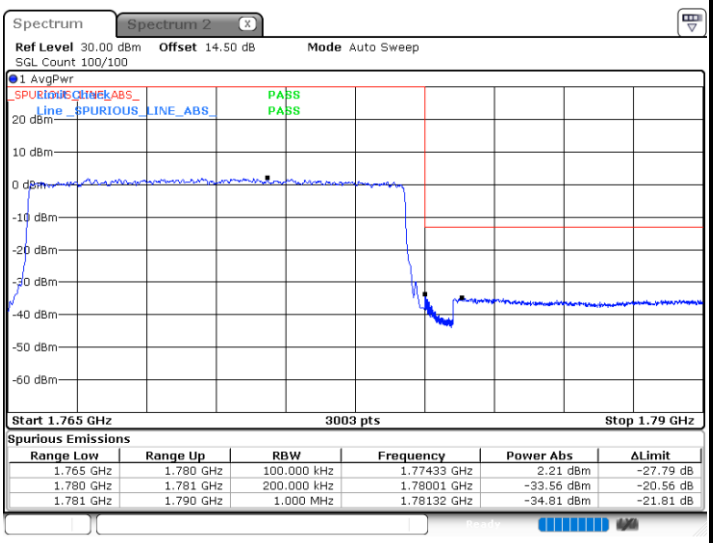



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70882 GHz | -32.29 dBm | -19.29 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70998 GHz | -33.51 dBm | -20.51 dB |
| 1.710 GHz | 1.725 GHz | 100.000 kHz | 1.72003 GHz | 2.21 dBm | -27.79 dB |

Date: 2.DEC.2024 21:53:54

### Highest Band Edge / Full RB



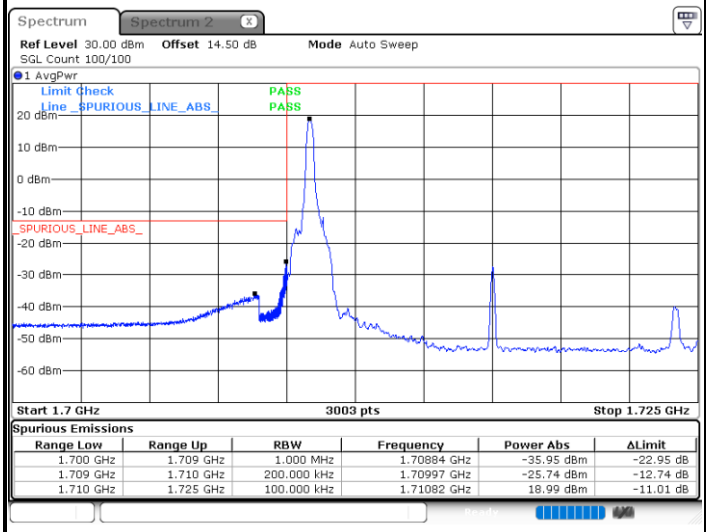

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.765 GHz | 1.780 GHz | 100.000 kHz | 1.77433 GHz | 2.21 dBm | -27.79 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78001 GHz | -33.56 dBm | -20.56 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78132 GHz | -34.81 dBm | -21.81 dB |

Date: 2.DEC.2024 22:09:57

## LTE Band 66 / 15MHz / 16QAM

### Lowest Band Edge / 1 RB

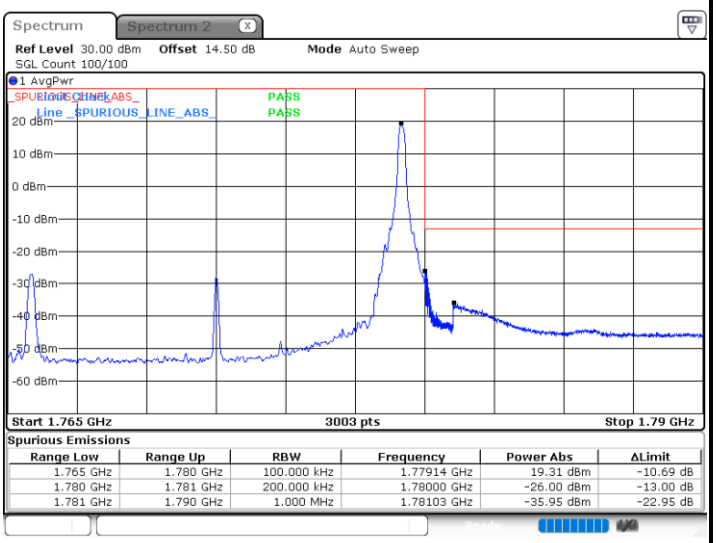



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70884 GHz | -35.95 dBm | -22.95 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70997 GHz | -25.74 dBm | -12.74 dB |
| 1.710 GHz | 1.725 GHz | 100.000 kHz | 1.71082 GHz | 18.99 dBm | -11.01 dB |

Date: 2.DEC.2024 21:53:13

### Highest Band Edge / 1 RB

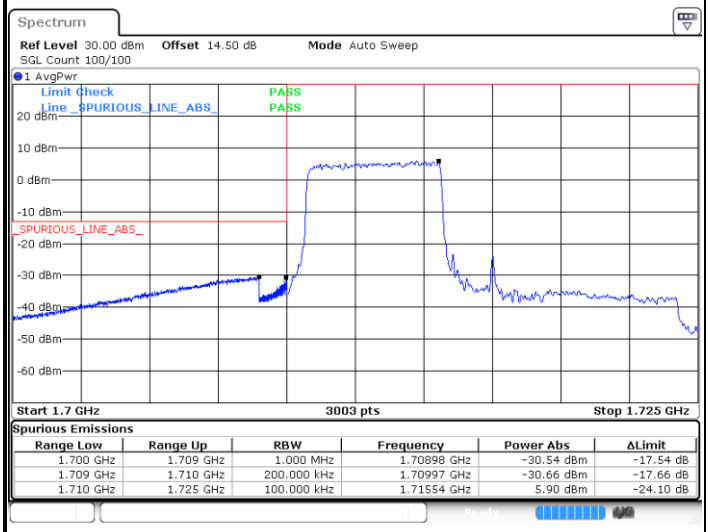



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.765 GHz | 1.780 GHz | 100.000 kHz | 1.77914 GHz | 19.31 dBm | -10.69 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78000 GHz | -26.00 dBm | -13.00 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78103 GHz | -35.95 dBm | -22.95 dB |

Date: 2.DEC.2024 22:09:17

### Lowest Band Edge / Full RB

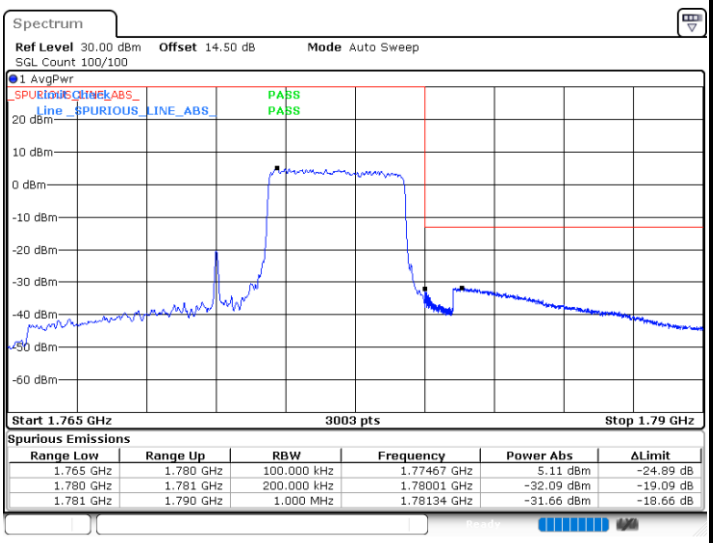



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70898 GHz | -30.54 dBm | -17.54 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70997 GHz | -30.66 dBm | -17.66 dB |
| 1.710 GHz | 1.725 GHz | 100.000 kHz | 1.71554 GHz | 5.90 dBm | -24.10 dB |

Date: 6.DEC.2024 16:53:01

### Highest Band Edge / Full RB



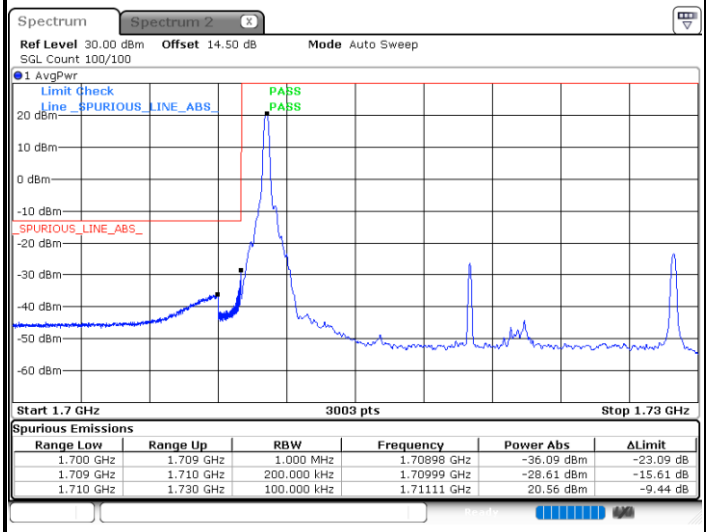

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.765 GHz | 1.780 GHz | 100.000 kHz | 1.77467 GHz | 5.11 dBm | -24.89 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78001 GHz | -32.09 dBm | -19.09 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78134 GHz | -31.66 dBm | -18.66 dB |

Date: 6.DEC.2024 20:20:16

## LTE Band 66 / 20MHz / QPSK

### Lowest Band Edge / 1RB

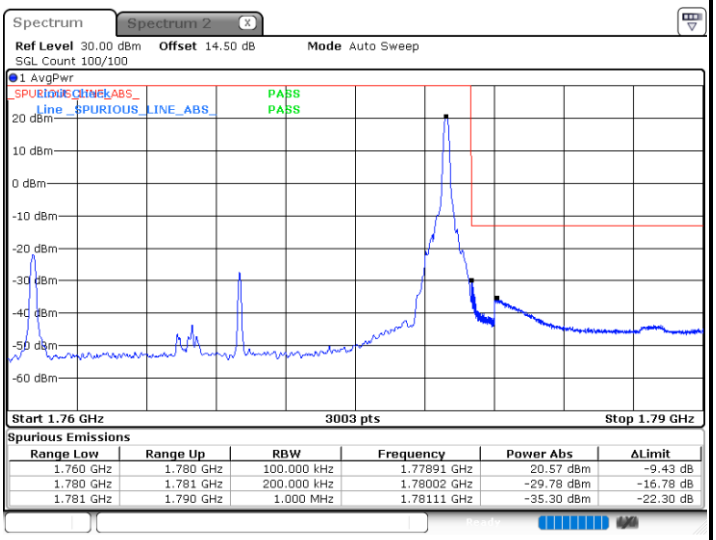



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70898 GHz | -36.09 dBm | -23.09 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70999 GHz | -28.61 dBm | -15.61 dB |
| 1.710 GHz | 1.730 GHz | 100.000 kHz | 1.71111 GHz | 20.56 dBm | -9.44 dB |

Date: 2.DEC.2024 22:12:30

### Highest Band Edge / 1RB

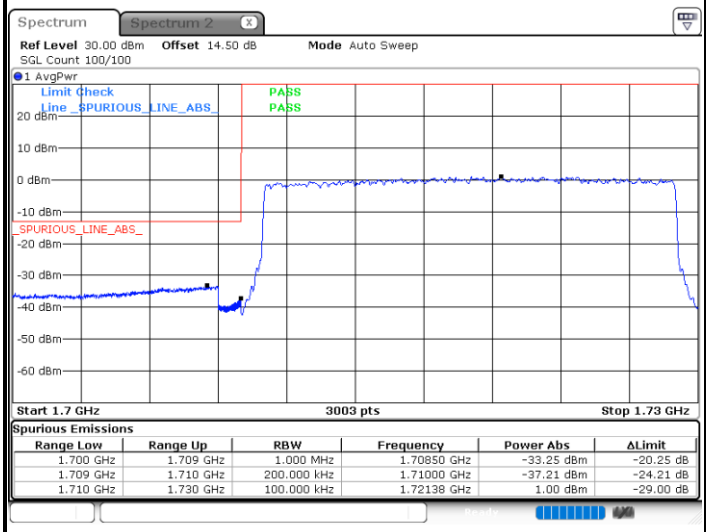



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.760 GHz | 1.780 GHz | 100.000 kHz | 1.77891 GHz | 20.57 dBm | -9.43 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78002 GHz | -29.78 dBm | -16.78 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78111 GHz | -35.30 dBm | -22.30 dB |

Date: 2.DEC.2024 22:17:45

### Lowest Band Edge / Full RB

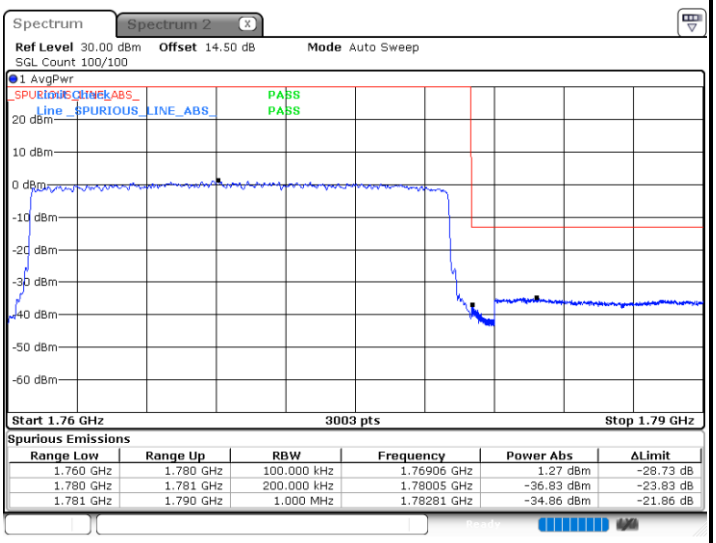



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70850 GHz | -33.25 dBm | -20.25 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.71000 GHz | -37.21 dBm | -24.21 dB |
| 1.710 GHz | 1.730 GHz | 100.000 kHz | 1.72138 GHz | 1.00 dBm | -29.00 dB |

Date: 2.DEC.2024 22:13:50

### Highest Band Edge / Full RB



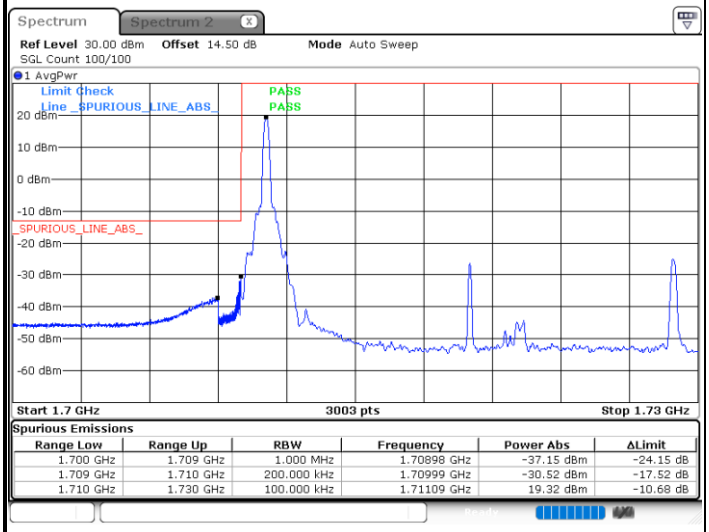

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.760 GHz | 1.780 GHz | 100.000 kHz | 1.76906 GHz | 1.27 dBm | -28.73 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78005 GHz | -36.83 dBm | -23.83 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78281 GHz | -34.86 dBm | -21.86 dB |

Date: 2.DEC.2024 22:19:06

## LTE Band 66 / 20MHz / 16QAM

### Lowest Band Edge / 1 RB

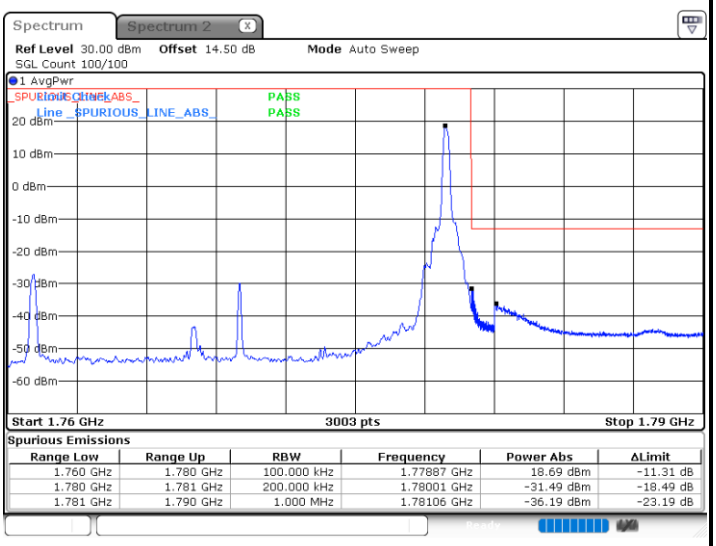



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70898 GHz | -37.15 dBm | -24.15 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70999 GHz | -30.52 dBm | -17.52 dB |
| 1.710 GHz | 1.730 GHz | 100.000 kHz | 1.71109 GHz | 19.32 dBm | -10.68 dB |

Date: 2.DEC.2024 22:13:10

### Highest Band Edge / 1 RB

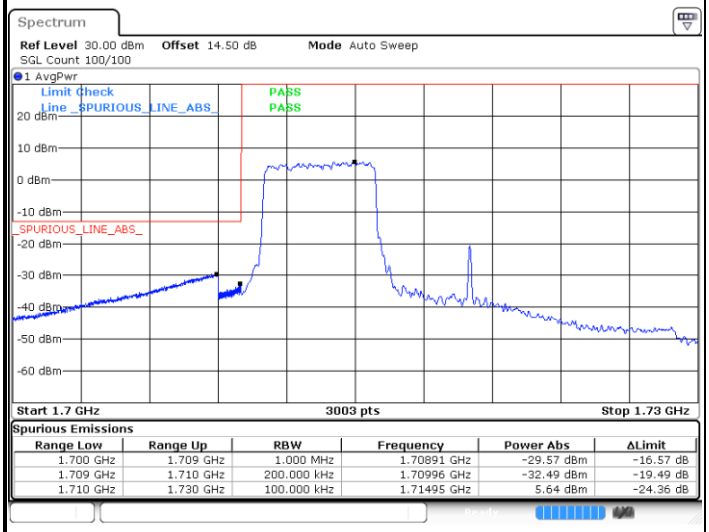



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.760 GHz | 1.780 GHz | 100.000 kHz | 1.77887 GHz | 18.69 dBm | -11.31 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78001 GHz | -31.49 dBm | -18.49 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78106 GHz | -36.19 dBm | -23.19 dB |

Date: 2.DEC.2024 22:18:25

### Lowest Band Edge / Full RB

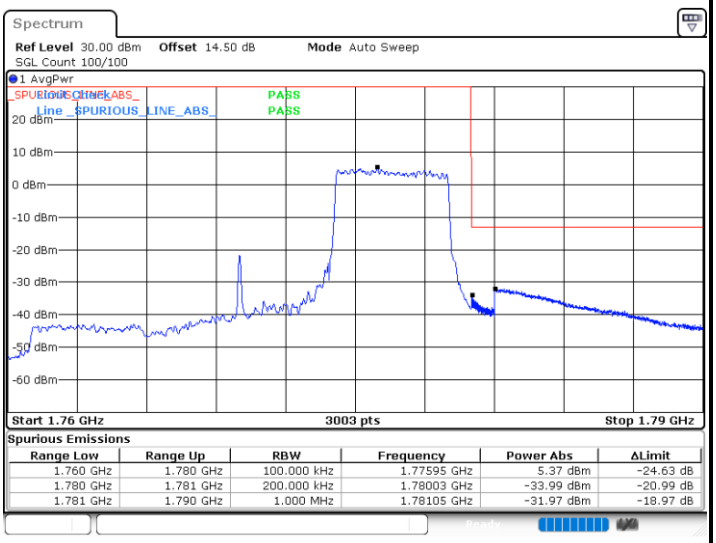



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70891 GHz | -29.57 dBm | -16.57 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70996 GHz | -32.49 dBm | -19.49 dB |
| 1.710 GHz | 1.730 GHz | 100.000 kHz | 1.71495 GHz | 5.64 dBm | -24.36 dB |

Date: 6.DEC.2024 17:22:26

### Highest Band Edge / Full RB




Spurious Emissions

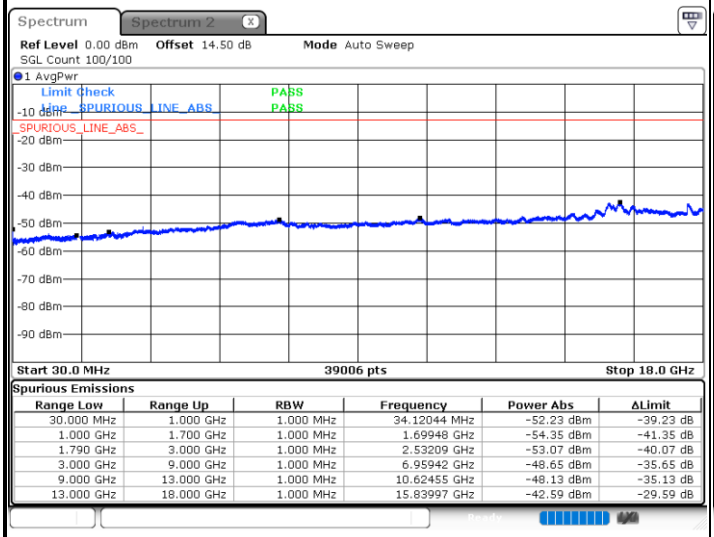
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.760 GHz | 1.780 GHz | 100.000 kHz | 1.77595 GHz | 5.37 dBm | -24.63 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78003 GHz | -33.99 dBm | -20.99 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78105 GHz | -31.97 dBm | -18.97 dB |

Date: 6.DEC.2024 20:21:03

# Conducted Spurious Emission

## LTE Band 66 / 1.4MHz

### Lowest Channel / QPSK

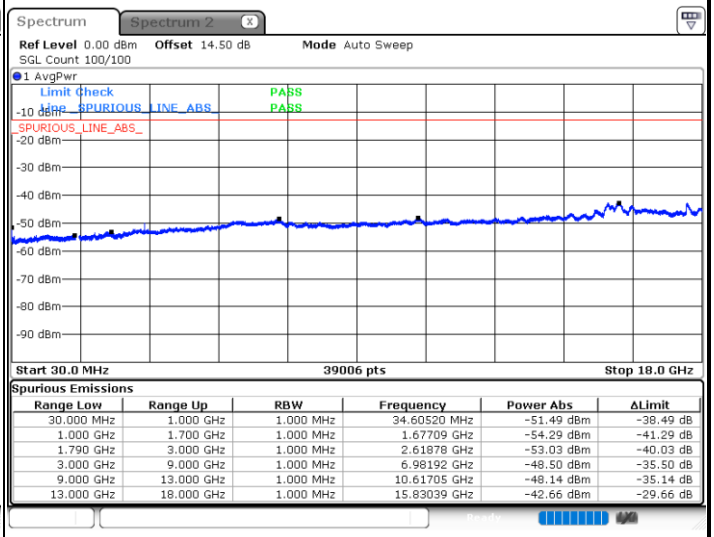



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 34.12044 MHz | -52.23 dBm | -39.23 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69948 GHz | -54.35 dBm | -41.35 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.53209 GHz | -53.07 dBm | -40.07 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.95942 GHz | -48.65 dBm | -35.65 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.62455 GHz | -48.13 dBm | -35.13 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.83997 GHz | -42.59 dBm | -29.59 dB |

Date: 2.DEC.2024 21:01:12

### Middle Channel / QPSK

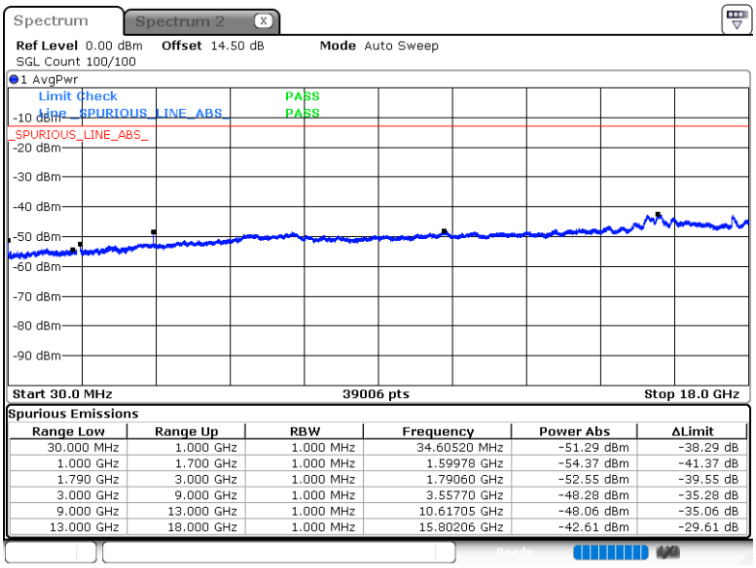



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 34.60520 MHz | -51.49 dBm | -38.49 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.67709 GHz | -54.29 dBm | -41.29 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.61878 GHz | -53.03 dBm | -40.03 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.98192 GHz | -48.50 dBm | -35.50 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.61705 GHz | -48.14 dBm | -35.14 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.83039 GHz | -42.66 dBm | -29.66 dB |

Date: 2.DEC.2024 21:03:42

### Highest Channel / QPSK



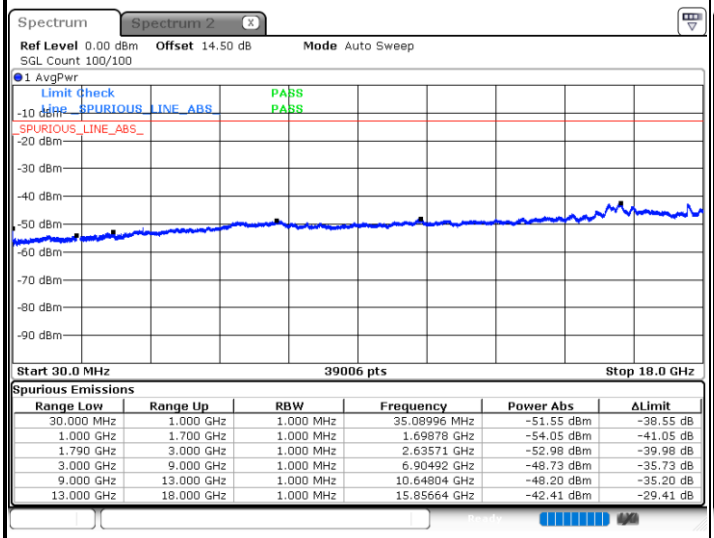

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 34.60520 MHz | -51.29 dBm | -38.29 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.59978 GHz | -54.37 dBm | -41.37 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 1.79060 GHz | -52.55 dBm | -39.55 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.55770 GHz | -48.28 dBm | -35.28 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.61705 GHz | -48.06 dBm | -35.06 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.80206 GHz | -42.61 dBm | -29.61 dB |

Date: 2.DEC.2024 21:07:32

## LTE Band 66 / 3MHz

### Lowest Channel / QPSK

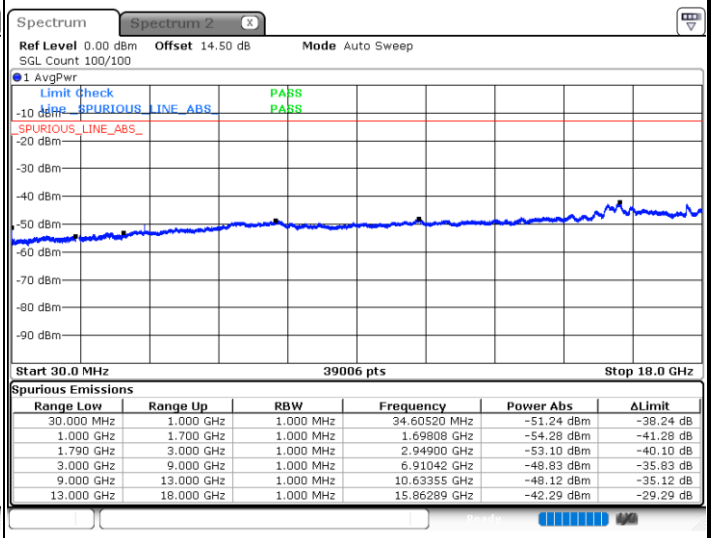



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 35.08996 MHz | -51.55 dBm | -38.55 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69878 GHz | -54.05 dBm | -41.05 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.63571 GHz | -52.98 dBm | -39.98 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.90492 GHz | -48.73 dBm | -35.73 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.64804 GHz | -48.20 dBm | -35.20 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.85664 GHz | -42.41 dBm | -29.41 dB |

Date: 2.DEC.2024 21:12:06

### Middle Channel / QPSK

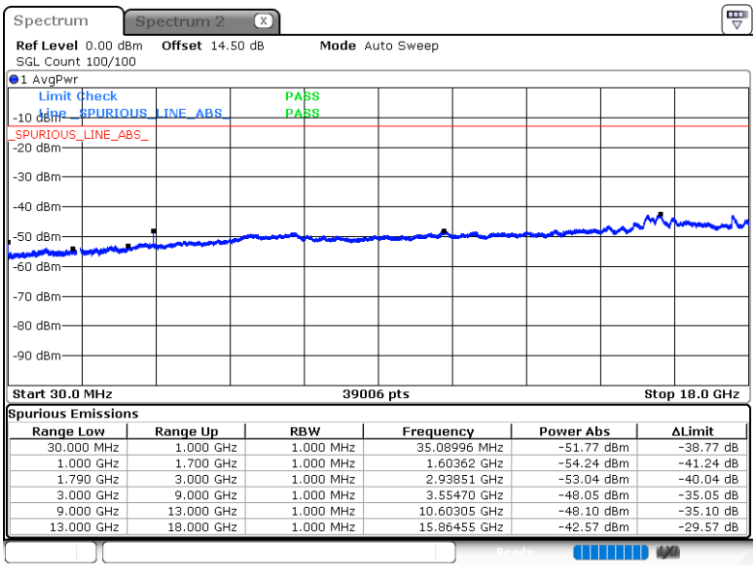



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 34.60520 MHz | -51.24 dBm | -38.24 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69808 GHz | -54.28 dBm | -41.28 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.94900 GHz | -53.10 dBm | -40.10 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.91042 GHz | -48.83 dBm | -35.83 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.63355 GHz | -48.12 dBm | -35.12 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.86289 GHz | -42.29 dBm | -29.29 dB |

Date: 2.DEC.2024 21:14:36

### Highest Channel / QPSK



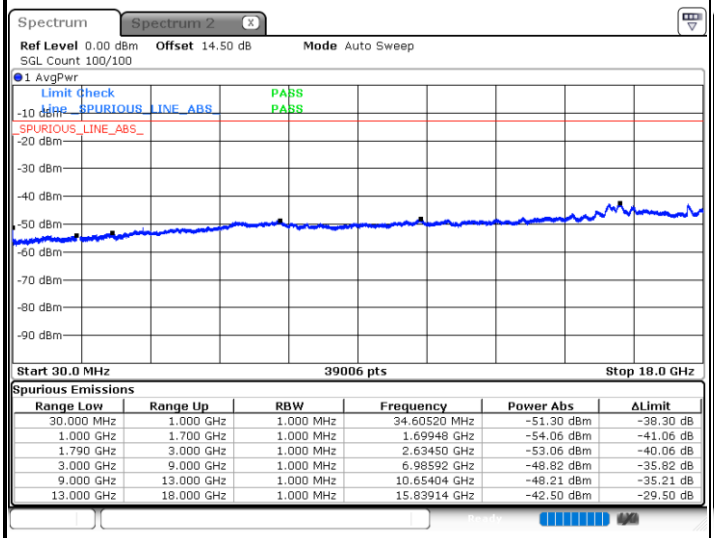

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 35.08996 MHz | -51.77 dBm | -38.77 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.60362 GHz | -54.24 dBm | -41.24 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.93851 GHz | -53.04 dBm | -40.04 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.55470 GHz | -48.05 dBm | -35.05 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.60305 GHz | -48.10 dBm | -35.10 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.86455 GHz | -42.57 dBm | -29.57 dB |

Date: 2.DEC.2024 21:19:47

## LTE Band 66 / 5MHz

### Lowest Channel / QPSK

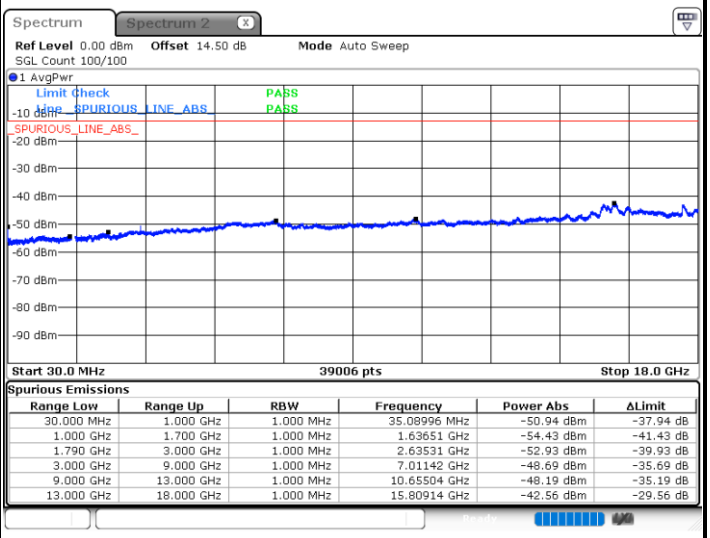



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 34.60520 MHz | -51.30 dBm | -38.30 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69948 GHz | -54.06 dBm | -41.06 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.63450 GHz | -53.06 dBm | -40.06 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.98592 GHz | -48.82 dBm | -35.82 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.65404 GHz | -48.21 dBm | -35.21 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.83914 GHz | -42.50 dBm | -29.50 dB |

Date: 2.DEC.2024 21:23:00

### Middle Channel / QPSK

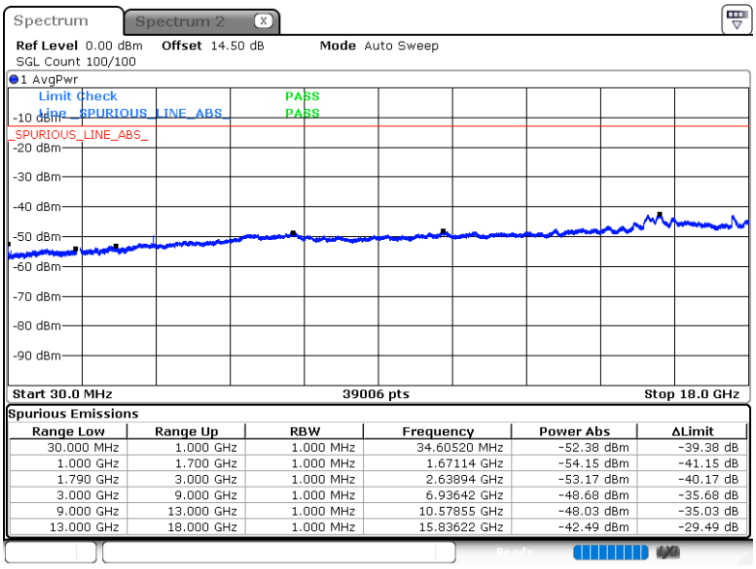



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 35.08996 MHz | -50.94 dBm | -37.94 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.63651 GHz | -54.43 dBm | -41.43 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.63531 GHz | -52.93 dBm | -39.93 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.01142 GHz | -48.69 dBm | -35.69 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.65504 GHz | -48.19 dBm | -35.19 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.80914 GHz | -42.56 dBm | -29.56 dB |

Date: 2.DEC.2024 21:25:30

### Highest Channel / QPSK



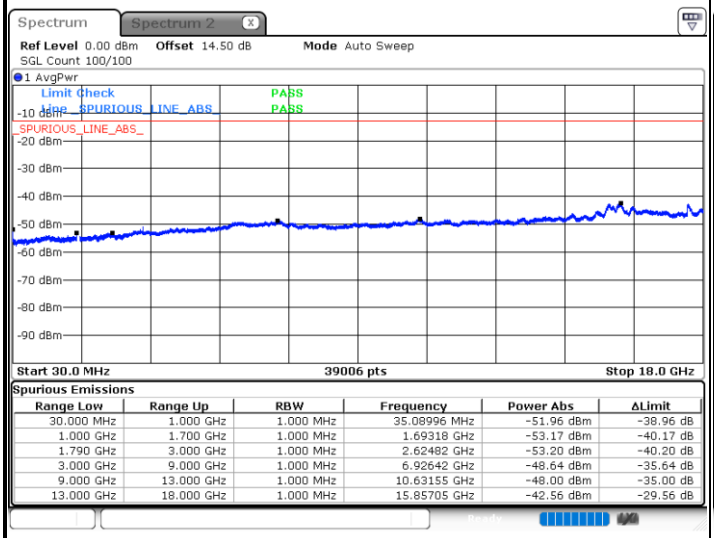

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 34.60520 MHz | -52.38 dBm | -39.38 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.67114 GHz | -54.15 dBm | -41.15 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.63894 GHz | -53.17 dBm | -40.17 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.93642 GHz | -48.68 dBm | -35.68 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.57855 GHz | -48.03 dBm | -35.03 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.83622 GHz | -42.49 dBm | -29.49 dB |

Date: 2.DEC.2024 21:30:41

## LTE Band 66 / 10MHz

### Lowest Channel / QPSK

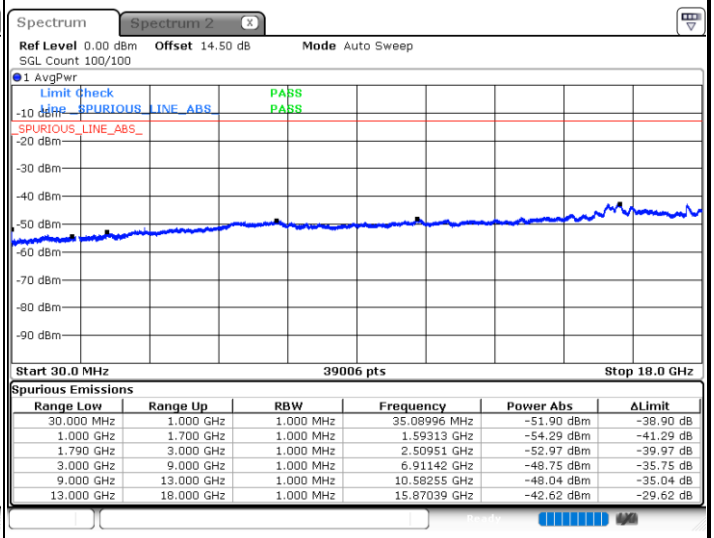



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 35.08996 MHz | -51.96 dBm | -38.96 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69318 GHz | -53.17 dBm | -40.17 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.62482 GHz | -53.20 dBm | -40.20 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.92642 GHz | -48.64 dBm | -35.64 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.63155 GHz | -48.00 dBm | -35.00 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.85705 GHz | -42.56 dBm | -29.56 dB |

Date: 2.DEC.2024 21:46:10

### Middle Channel / QPSK

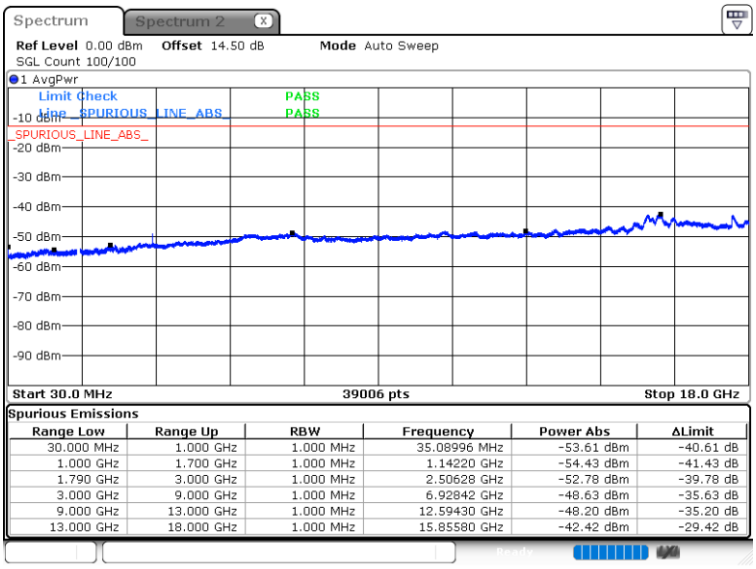



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 35.08996 MHz | -51.90 dBm | -38.90 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.59313 GHz | -54.29 dBm | -41.29 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.50951 GHz | -52.97 dBm | -39.97 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.91142 GHz | -48.75 dBm | -35.75 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.58255 GHz | -48.04 dBm | -35.04 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.87039 GHz | -42.62 dBm | -29.62 dB |

Date: 2.DEC.2024 21:47:19

### Highest Channel / QPSK



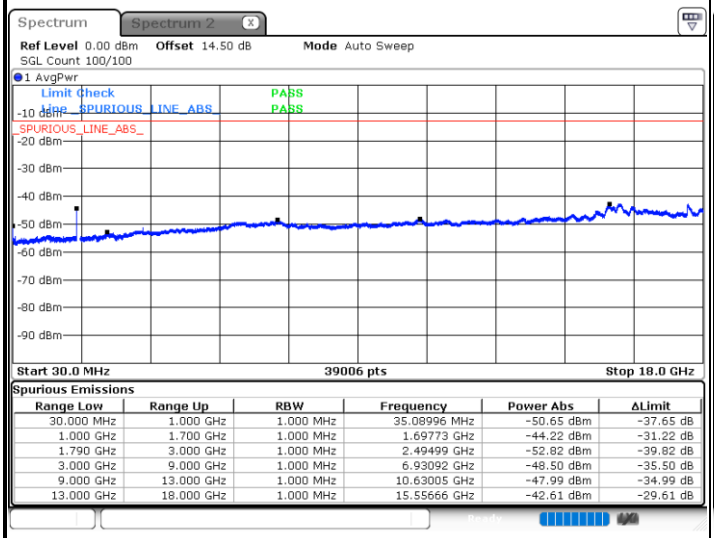

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 35.08996 MHz | -53.61 dBm | -40.61 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.14220 GHz | -54.43 dBm | -41.43 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.50628 GHz | -52.78 dBm | -39.78 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.92842 GHz | -48.63 dBm | -35.63 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.59430 GHz | -48.20 dBm | -35.20 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.85580 GHz | -42.42 dBm | -29.42 dB |

Date: 2.DEC.2024 21:51:10

## LTE Band 66 / 15MHz

### Lowest Channel / QPSK

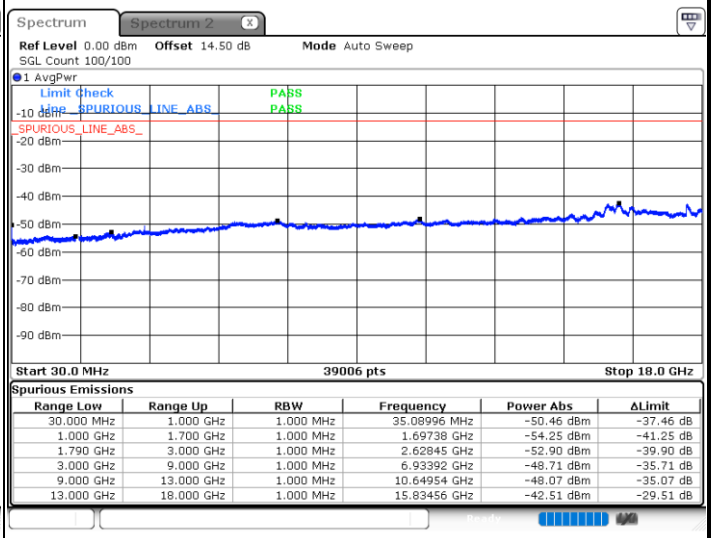



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 35.08996 MHz | -50.65 dBm | -37.65 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69773 GHz | -44.22 dBm | -31.22 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.49499 GHz | -52.82 dBm | -39.82 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.93092 GHz | -48.50 dBm | -35.50 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.63005 GHz | -47.99 dBm | -34.99 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.55666 GHz | -42.61 dBm | -29.61 dB |

Date: 2.DEC.2024 22:06:06

### Middle Channel / QPSK

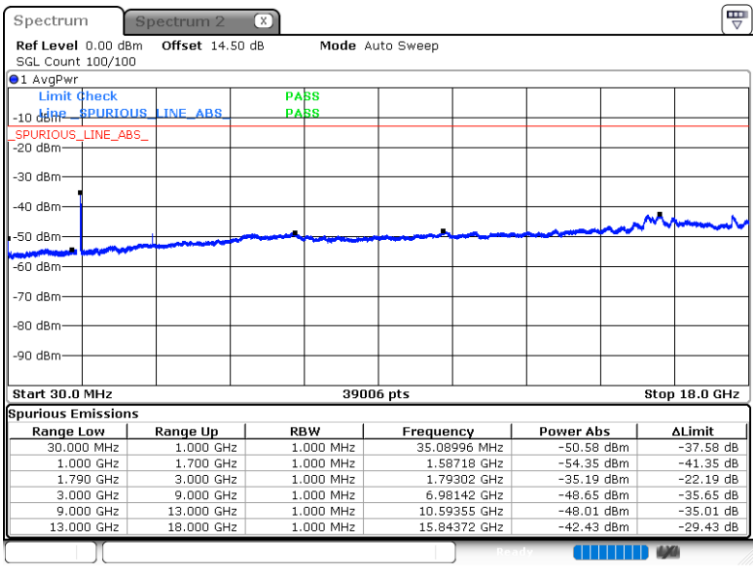



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 35.08996 MHz | -50.46 dBm | -37.46 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69738 GHz | -54.25 dBm | -41.25 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.62845 GHz | -52.90 dBm | -39.90 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.93392 GHz | -48.71 dBm | -35.71 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.64954 GHz | -48.07 dBm | -35.07 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.83456 GHz | -42.51 dBm | -29.51 dB |

Date: 2.DEC.2024 22:07:16

### Highest Channel / QPSK



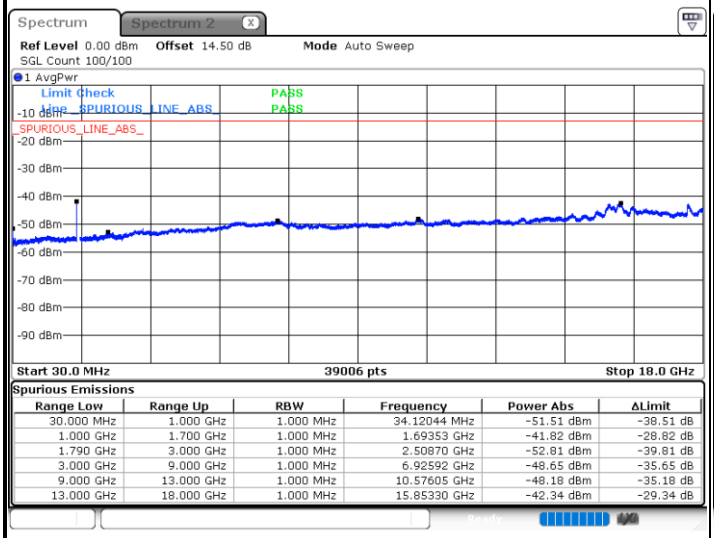

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 35.08996 MHz | -50.58 dBm | -37.58 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.58718 GHz | -54.35 dBm | -41.35 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 1.79302 GHz | -35.19 dBm | -22.19 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.98142 GHz | -48.65 dBm | -35.65 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.59355 GHz | -48.01 dBm | -35.01 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.84372 GHz | -42.43 dBm | -29.43 dB |

Date: 2.DEC.2024 22:11:07

## LTE Band 66 / 20MHz

### Lowest Channel / QPSK

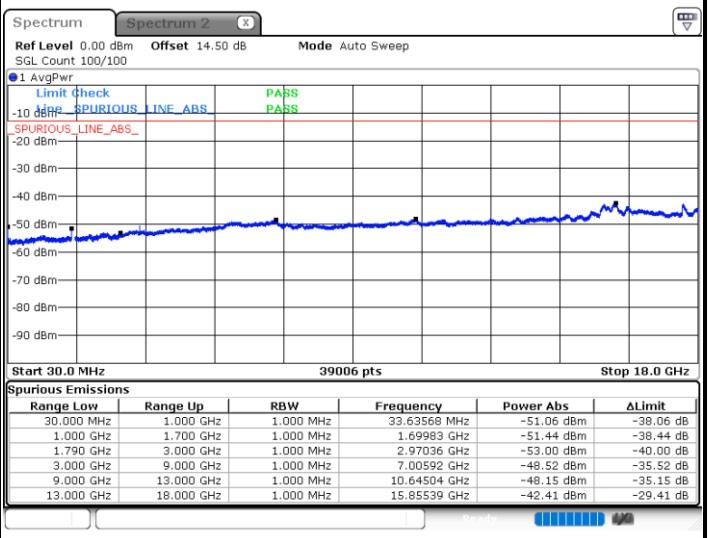



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 34.12044 MHz | -51.51 dBm | -38.51 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69353 GHz | -41.82 dBm | -28.82 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.50870 GHz | -52.81 dBm | -39.81 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.92592 GHz | -48.65 dBm | -35.65 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.57605 GHz | -48.18 dBm | -35.18 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.85330 GHz | -42.34 dBm | -29.34 dB |

Date: 2.DEC.2024 22:15:00

### Middle Channel / QPSK

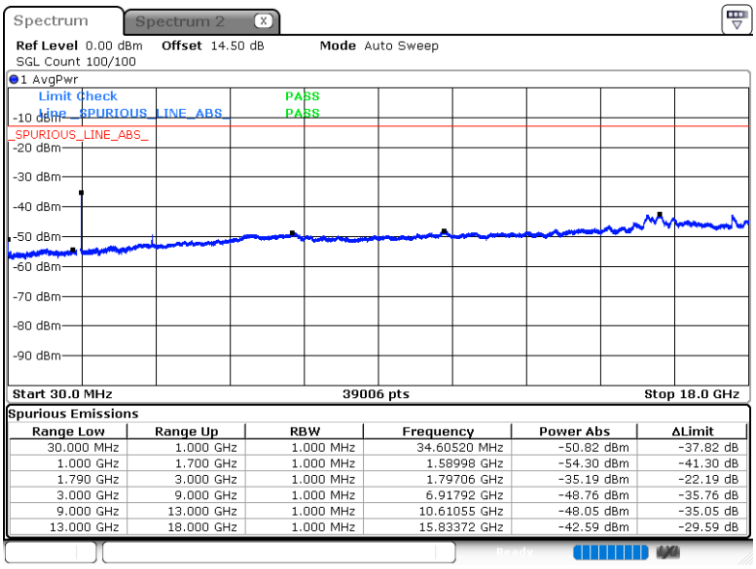



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 33.63568 MHz | -51.06 dBm | -38.06 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69983 GHz | -51.44 dBm | -38.44 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.97036 GHz | -53.00 dBm | -40.00 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 7.00592 GHz | -48.52 dBm | -35.52 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.64504 GHz | -48.15 dBm | -35.15 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.85539 GHz | -42.41 dBm | -29.41 dB |

Date: 2.DEC.2024 22:16:10

### Highest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 34.60520 MHz | -50.82 dBm | -37.82 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.58998 GHz | -54.30 dBm | -41.30 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 1.79706 GHz | -35.19 dBm | -22.19 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 6.91792 GHz | -48.76 dBm | -35.76 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 10.61055 GHz | -48.05 dBm | -35.05 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.83372 GHz | -42.59 dBm | -29.59 dB |

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# Frequency Stability

| Test Conditions | | LTE Band 66 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0008 | PASS |
| 40 | Normal Voltage | 0.0003 | |
| 30 | Normal Voltage | 0.0005 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0005 | |
| 0 | Normal Voltage | 0.0012 | |
| -10 | Normal Voltage | 0.0010 | |
| -20 | Normal Voltage | 0.0003 | |
| -30 | Normal Voltage | 0.0003 | |
| 20 | Maximum Voltage | 0.0007 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0009 | |

**Note:**

1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.75 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

| Test Engineer : | Zhaohui Liang | Temperature : | 22~25℃ |
|---|---|---|---|
| | | Relative Humidity : | 48~52% |

| LTE Band 2 / 20MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3742.18 | -52.01 | -13 | -39.01 | -74.85 | -58.76 | 5.85 | 12.60 | H |
| | 5613.27 | -57.41 | -13 | -44.41 | -81.54 | -63.21 | 7.30 | 13.10 | H |
| | 7484.36 | -55.26 | -13 | -42.26 | -81.92 | -58.41 | 8.35 | 11.50 | H |
| | 3742.18 | -53.08 | -13 | -40.08 | -77.93 | -59.83 | 5.85 | 12.60 | V |
| | 5613.27 | -56.68 | -13 | -43.68 | -81.66 | -62.48 | 7.30 | 13.10 | V |
| | 7484.36 | -55.17 | -13 | -42.17 | -81.81 | -58.32 | 8.35 | 11.50 | V |

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

| LTE Band 5 / 10MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1664.18 | -27.00 | -13 | -14.00 | -38.61 | -30.25 | 4.00 | 9.40 | H |
| | 2496.27 | -50.82 | -13 | -37.82 | -69.69 | -54.39 | 4.88 | 10.60 | H |
| | 3328.36 | -39.53 | -13 | -26.53 | -60.41 | -44.46 | 5.52 | 12.60 | H |
| | 4160 | -51.35 | -13 | -38.35 | -73.18 | -55.82 | 6.00 | 12.62 | H |
| | 4992 | -58.57 | -13 | -45.57 | -81.22 | -61.98 | 7.14 | 12.70 | H |
| | 1664.18 | -26.60 | -13 | -13.60 | -38.88 | -29.85 | 4.00 | 9.40 | V |
| | 2496.27 | -50.24 | -13 | -37.24 | -69.37 | -53.81 | 4.88 | 10.60 | V |
| | 3328.36 | -32.34 | -13 | -19.34 | -53.72 | -37.27 | 5.52 | 12.60 | V |
| | 4160 | -42.88 | -13 | -29.88 | -67.11 | -47.35 | 6.00 | 12.62 | V |
| | 4992 | -53.72 | -13 | -40.72 | -78.05 | -57.13 | 7.14 | 12.70 | V |

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

| LTE Band 12 / 10MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1406 | -35.73 | -13 | -22.73 | -46.48 | -38.98 | 4.00 | 9.40 | H |
| | 2109 | -45.05 | -13 | -32.05 | -62.46 | -48.62 | 4.88 | 10.60 | H |
| | 2812 | -40.03 | -13 | -27.03 | -59.09 | -44.96 | 5.52 | 12.60 | H |
| | 3515 | -38.76 | -13 | -25.76 | -60.99 | -43.23 | 6.00 | 12.62 | H |
| | 4218 | -52.70 | -13 | -39.70 | -74.59 | -56.11 | 7.14 | 12.70 | H |
| | 4921 | -53.85 | -13 | -40.85 | -76.85 | -57.08 | 7.62 | 13.00 | H |
| | 1406 | -28.71 | -13 | -15.71 | -40.52 | -31.96 | 4.00 | 9.40 | V |
| | 2109 | -41.20 | -13 | -28.20 | -58.40 | -44.77 | 4.88 | 10.60 | V |
| | 2812 | -44.75 | -13 | -31.75 | -64.62 | -49.68 | 5.52 | 12.60 | V |
| | 3515 | -35.02 | -13 | -22.02 | -57.65 | -39.49 | 6.00 | 12.62 | V |
| | 4218 | -45.40 | -13 | -32.40 | -69.53 | -48.81 | 7.14 | 12.70 | V |
| | 4921 | -50.11 | -13 | -37.11 | -74.37 | -53.34 | 7.62 | 13.00 | V |

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

| LTE Band 13 / 5MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1559.5 | -62.85 | -42.15 | -20.70 | -74.11 | -66.10 | 4.00 | 9.40 | H |
| | 2339.25 | -60.78 | -13 | -47.78 | -78.80 | -64.35 | 4.88 | 10.60 | H |
| | 3119 | -57.40 | -13 | -44.40 | -77.39 | -62.33 | 5.52 | 12.60 | H |
| | 3898.75 | -50.63 | -13 | -37.63 | -73.90 | -55.10 | 6.00 | 12.62 | H |
| | 4678.5 | -52.60 | -13 | -39.60 | -76.48 | -56.01 | 7.14 | 12.70 | H |
| | 5458.25 | -51.84 | -13 | -38.84 | -76.43 | -55.07 | 7.62 | 13.00 | H |
| | 1559.5 | -64.04 | -42.15 | -21.89 | -75.92 | -67.29 | 4.00 | 9.40 | V |
| | 2339.25 | -60.16 | -13 | -47.16 | -78.55 | -63.73 | 4.88 | 10.60 | V |
| | 3119 | -57.11 | -13 | -44.11 | -78.90 | -62.04 | 5.52 | 12.60 | V |
| | 3898.75 | -44.84 | -13 | -31.84 | -69.47 | -49.31 | 6.00 | 12.62 | V |
| | 4678.5 | -50.75 | -13 | -37.75 | -74.89 | -54.16 | 7.14 | 12.70 | V |
| | 5458.25 | -53.23 | -13 | -40.23 | -77.41 | -56.46 | 7.62 | 13.00 | V |

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

| LTE Band 13 / 10MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 1559.5 | -64.62 | -42.15 | -22.47 | -75.88 | -67.87 | 4.00 | 9.40 | H |
| | 2339.25 | -60.75 | -13 | -47.75 | -78.77 | -64.32 | 4.88 | 10.60 | H |
| | 3119 | -59.03 | -13 | -46.03 | -79.02 | -63.96 | 5.52 | 12.60 | H |
| | 1559.5 | -64.28 | -42.15 | -22.13 | -76.16 | -67.53 | 4.00 | 9.40 | V |
| | 2339.25 | -60.21 | -13 | -47.21 | -78.60 | -63.78 | 4.88 | 10.60 | V |
| | 3119 | -57.47 | -13 | -44.47 | -79.26 | -62.40 | 5.52 | 12.60 | V |

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

| LTE Band 66 / 20MHz / QPSK | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Channel | Frequency ( MHz ) | EIRP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle | 3472 | -51.79 | -13 | -38.79 | -73.64 | -58.64 | 5.65 | 12.50 | H |
| | 5208 | -57.74 | -13 | -44.74 | -81.86 | -63.41 | 7.13 | 12.80 | H |
| | 6944 | -56.16 | -13 | -43.16 | -81.82 | -59.56 | 8.40 | 11.80 | H |
| | 3472 | -47.34 | -13 | -34.34 | -68.99 | -54.19 | 5.65 | 12.50 | V |
| | 5208 | -57.44 | -13 | -44.44 | -81.73 | -63.11 | 7.13 | 12.80 | V |
| | 6944 | -55.27 | -13 | -42.27 | -81.66 | -58.67 | 8.40 | 11.80 | V |

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