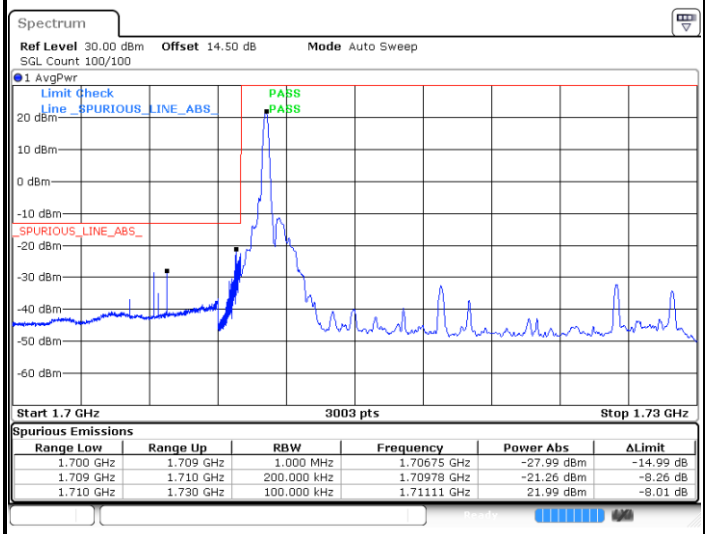
## LTE Band 66 / 20MHz / QPSK

### Lowest Band Edge / 1RB

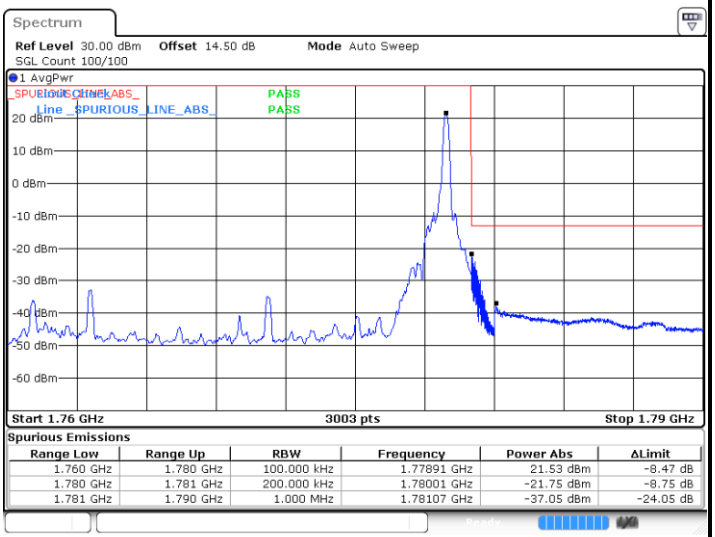



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70675 GHz | -27.99 dBm | -14.99 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70978 GHz | -21.26 dBm | -8.26 dB |
| 1.710 GHz | 1.730 GHz | 100.000 kHz | 1.71111 GHz | 21.99 dBm | -8.01 dB |

Date: 11.MAR.2025 16:38:47

### Highest Band Edge / 1RB

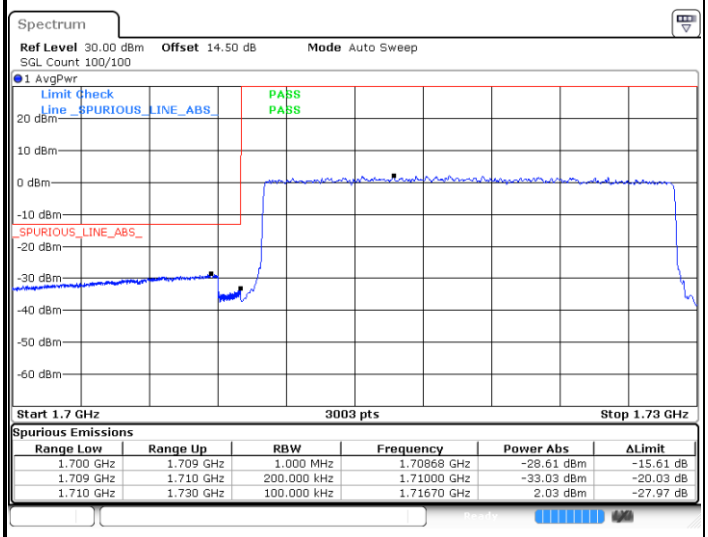



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.760 GHz | 1.780 GHz | 100.000 kHz | 1.77891 GHz | 21.53 dBm | -8.47 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78001 GHz | -21.75 dBm | -8.75 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78107 GHz | -37.05 dBm | -24.05 dB |

Date: 11.MAR.2025 16:45:26

### Lowest Band Edge / Full RB

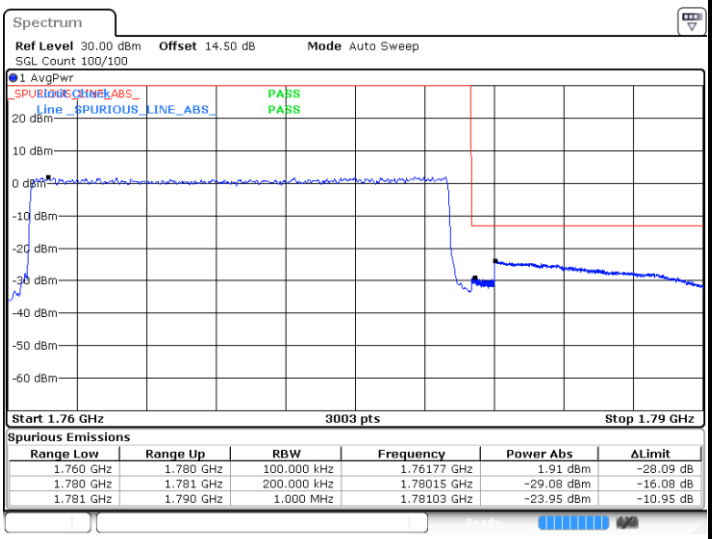



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70868 GHz | -28.61 dBm | -15.61 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.71000 GHz | -33.03 dBm | -20.03 dB |
| 1.710 GHz | 1.730 GHz | 100.000 kHz | 1.71670 GHz | 2.03 dBm | -27.97 dB |

Date: 11.MAR.2025 16:40:27

### Highest Band Edge / Full RB



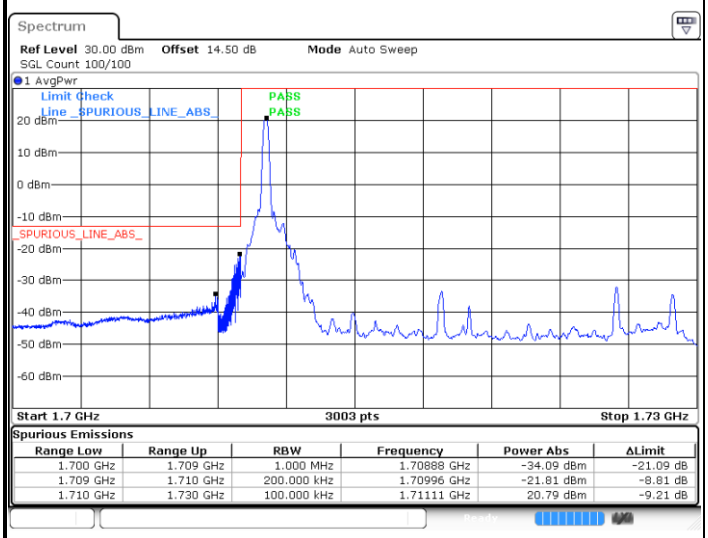

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.760 GHz | 1.780 GHz | 100.000 kHz | 1.76177 GHz | 1.91 dBm | -28.09 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78015 GHz | -29.08 dBm | -16.08 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78103 GHz | -23.95 dBm | -10.95 dB |

Date: 11.MAR.2025 16:47:05

## LTE Band 66 / 20MHz / 16QAM

### Lowest Band Edge / 1 RB

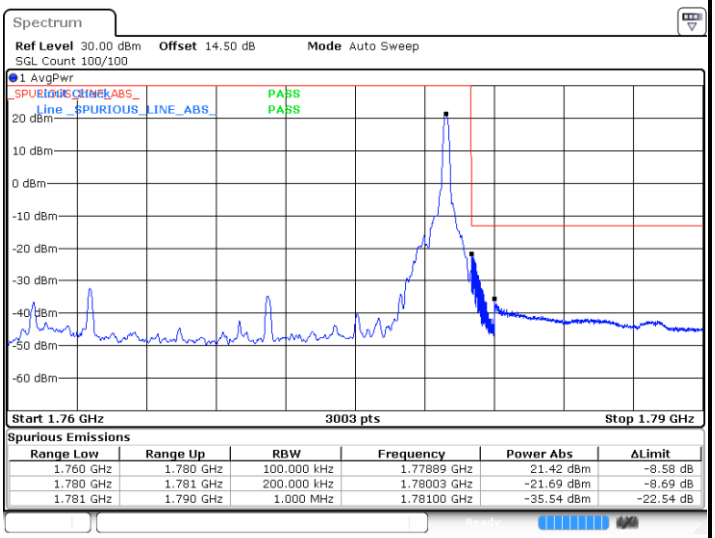



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70888 GHz | -34.09 dBm | -21.09 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70996 GHz | -21.81 dBm | -8.81 dB |
| 1.710 GHz | 1.730 GHz | 100.000 kHz | 1.71111 GHz | 20.79 dBm | -9.21 dB |

Date: 11.MAR.2025 16:39:21

### Highest Band Edge / 1 RB

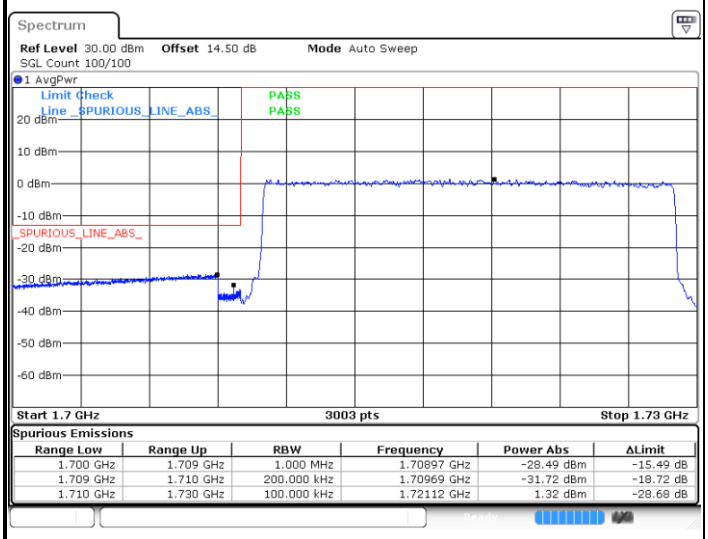



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.760 GHz | 1.780 GHz | 100.000 kHz | 1.77889 GHz | 21.42 dBm | -8.58 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78003 GHz | -21.69 dBm | -8.69 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78100 GHz | -35.54 dBm | -22.54 dB |

Date: 11.MAR.2025 16:45:59

### Lowest Band Edge / Full RB

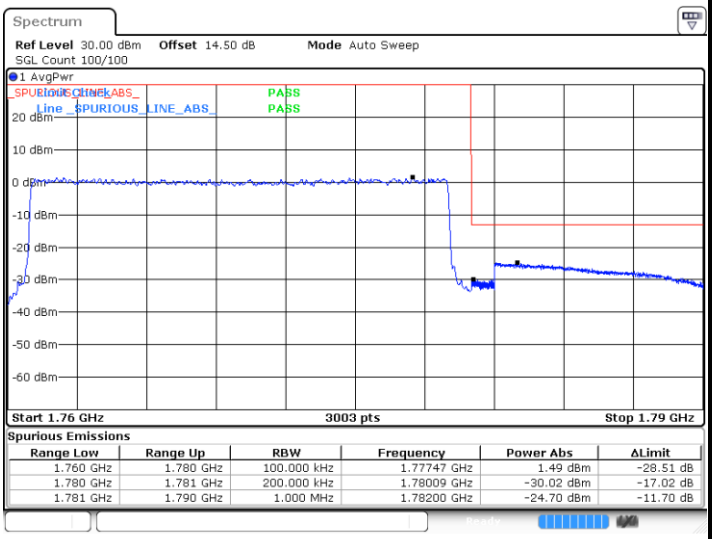



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70897 GHz | -28.49 dBm | -15.49 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70969 GHz | -31.72 dBm | -18.72 dB |
| 1.710 GHz | 1.730 GHz | 100.000 kHz | 1.72112 GHz | 1.32 dBm | -28.68 dB |

Date: 11.MAR.2025 16:41:00

### Highest Band Edge / Full RB



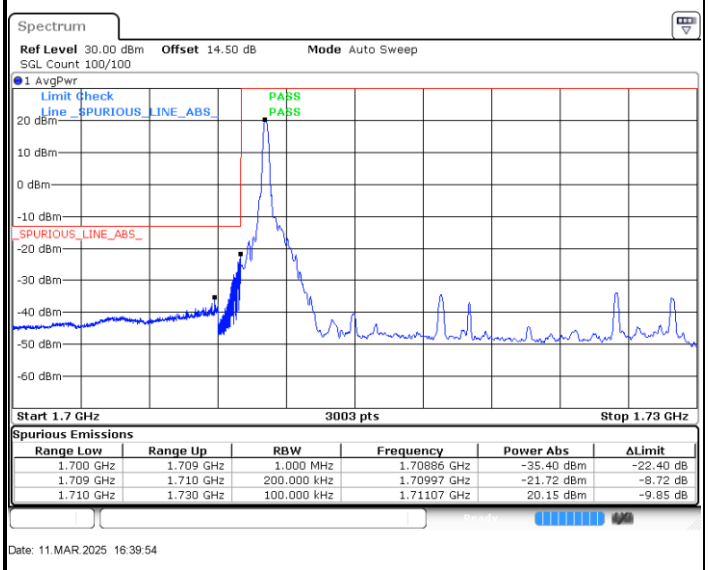

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.760 GHz | 1.780 GHz | 100.000 kHz | 1.77747 GHz | 1.49 dBm | -28.51 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78009 GHz | -30.02 dBm | -17.02 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78200 GHz | -24.70 dBm | -11.70 dB |

Date: 11.MAR.2025 16:47:38

## LTE Band 66 / 20MHz / 64QAM

### Lowest Band Edge / 1 RB

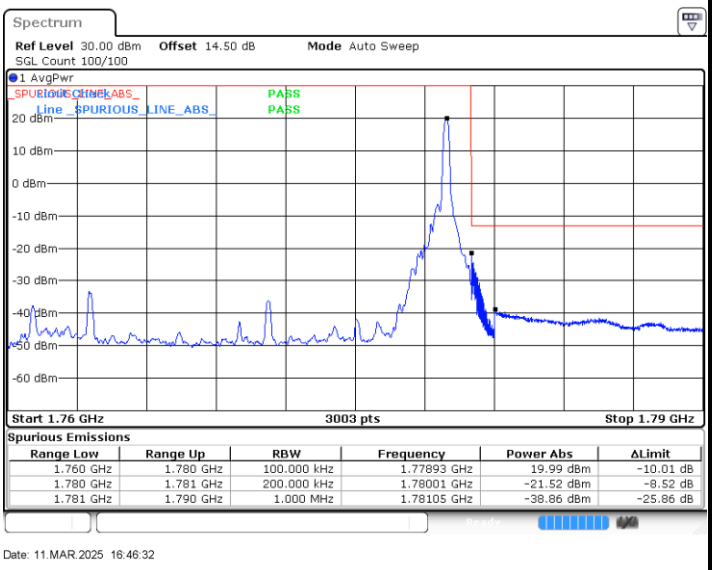



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70886 GHz | -35.40 dBm | -22.40 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70997 GHz | -21.72 dBm | -8.72 dB |
| 1.710 GHz | 1.730 GHz | 100.000 kHz | 1.71107 GHz | 20.15 dBm | -9.85 dB |

Date: 11.MAR.2025 16:39:54

### Highest Band Edge / 1 RB

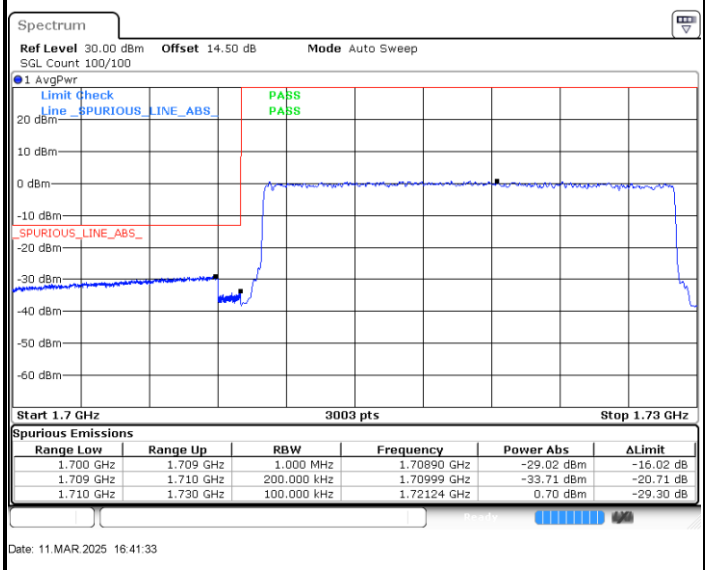



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.760 GHz | 1.780 GHz | 100.000 kHz | 1.77893 GHz | 19.99 dBm | -10.01 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78001 GHz | -21.52 dBm | -8.52 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78105 GHz | -38.86 dBm | -25.86 dB |

Date: 11.MAR.2025 16:46:32

### Lowest Band Edge / Full RB

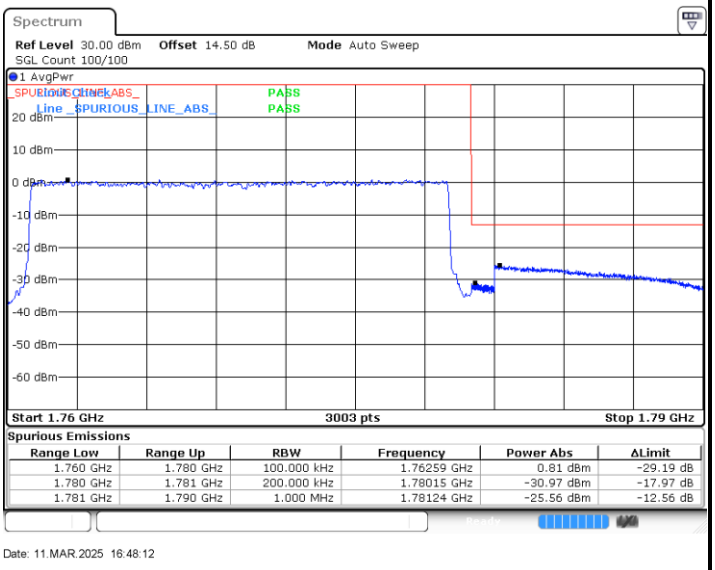



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.700 GHz | 1.709 GHz | 1.000 MHz | 1.70890 GHz | -29.02 dBm | -16.02 dB |
| 1.709 GHz | 1.710 GHz | 200.000 kHz | 1.70999 GHz | -33.71 dBm | -20.71 dB |
| 1.710 GHz | 1.730 GHz | 100.000 kHz | 1.72124 GHz | 0.70 dBm | -29.30 dB |

Date: 11.MAR.2025 16:41:33

### Highest Band Edge / Full RB




Spurious Emissions

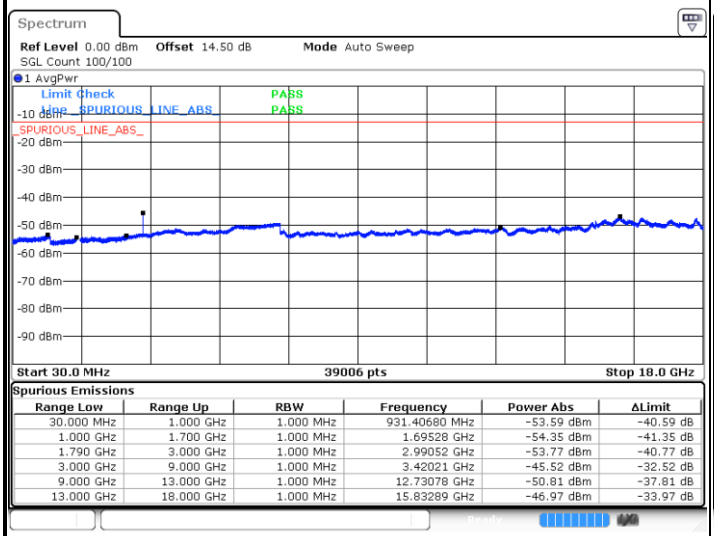
| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.760 GHz | 1.780 GHz | 100.000 kHz | 1.76259 GHz | 0.81 dBm | -29.19 dB |
| 1.780 GHz | 1.781 GHz | 200.000 kHz | 1.78015 GHz | -30.97 dBm | -17.97 dB |
| 1.781 GHz | 1.790 GHz | 1.000 MHz | 1.78124 GHz | -25.56 dBm | -12.56 dB |

Date: 11.MAR.2025 16:48:12

# Conducted Spurious Emission

## LTE Band 66 / 1.4MHz

### Lowest Channel / QPSK

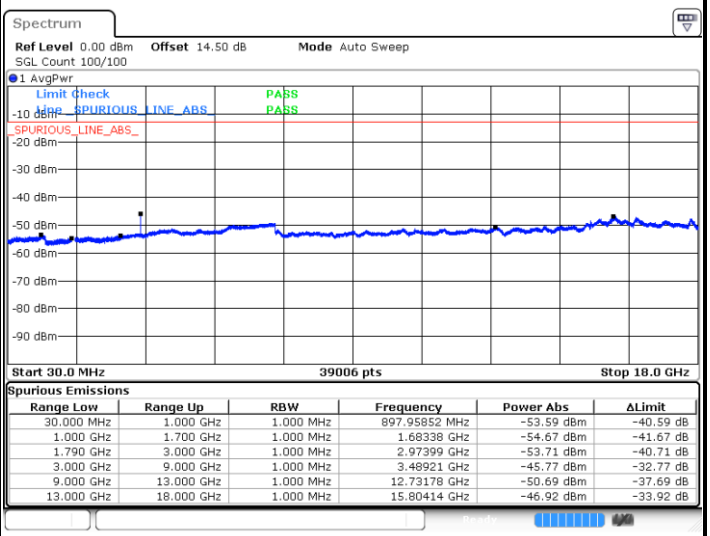



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 931.40680 MHz | -53.59 dBm | -40.59 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69528 GHz | -54.35 dBm | -41.35 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.99052 GHz | -53.77 dBm | -40.77 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.42021 GHz | -45.52 dBm | -32.52 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.73078 GHz | -50.81 dBm | -37.81 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.83289 GHz | -46.97 dBm | -33.97 dB |

Date: 11.MAR.2025 15:42:35

### Middle Channel / QPSK

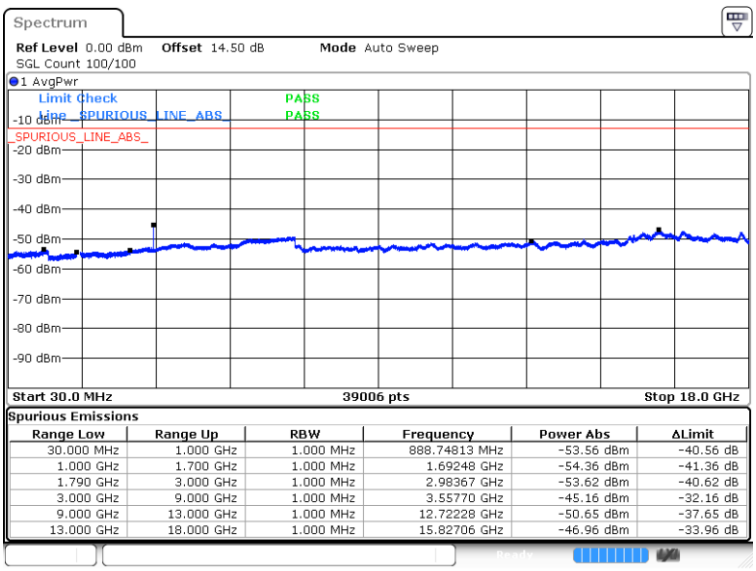



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 897.95852 MHz | -53.59 dBm | -40.59 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.68338 GHz | -54.67 dBm | -41.67 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.97399 GHz | -53.71 dBm | -40.71 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.48921 GHz | -45.77 dBm | -32.77 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.73178 GHz | -50.69 dBm | -37.69 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.80414 GHz | -46.92 dBm | -33.92 dB |

Date: 11.MAR.2025 15:45:14

### Highest Channel / QPSK



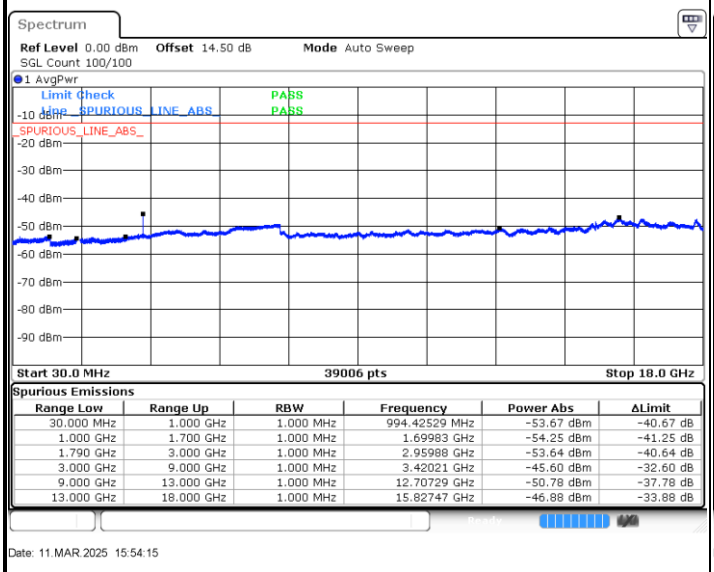

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 888.74813 MHz | -53.56 dBm | -40.56 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69248 GHz | -54.36 dBm | -41.36 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.98367 GHz | -53.62 dBm | -40.62 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.55770 GHz | -45.16 dBm | -32.16 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.72228 GHz | -50.65 dBm | -37.65 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.82706 GHz | -46.96 dBm | -33.96 dB |

Date: 11.MAR.2025 15:49:13

## LTE Band 66 / 3MHz

### Lowest Channel / QPSK

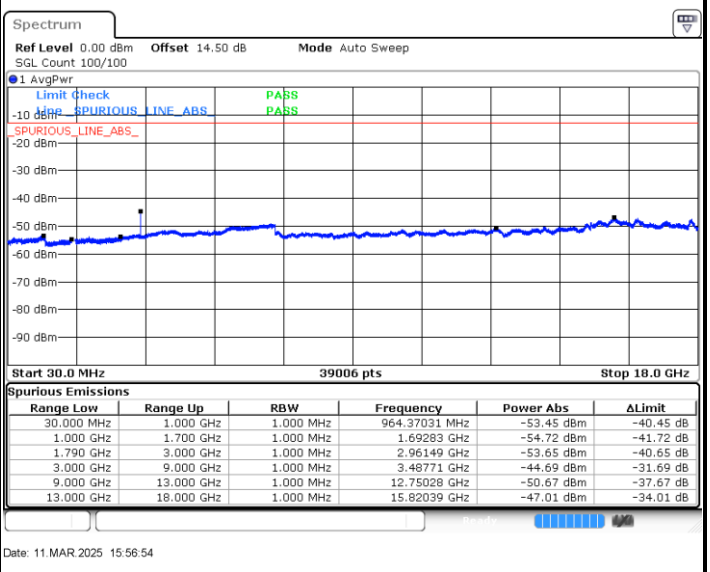



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 994.42529 MHz | -53.67 dBm | -40.67 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69983 GHz | -54.25 dBm | -41.25 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.95988 GHz | -53.64 dBm | -40.64 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.42021 GHz | -45.60 dBm | -32.60 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70729 GHz | -50.78 dBm | -37.78 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.82747 GHz | -46.88 dBm | -33.88 dB |

Date: 11.MAR.2025 15:54:15

### Middle Channel / QPSK

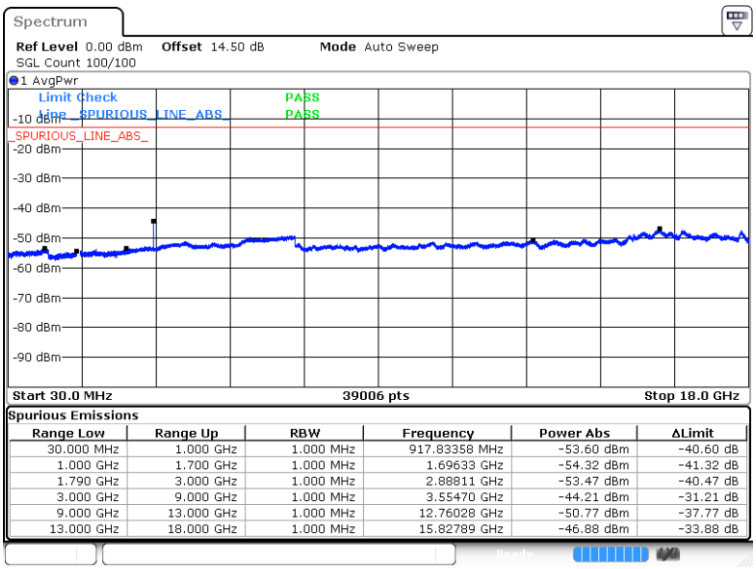



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 964.37031 MHz | -53.45 dBm | -40.45 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69283 GHz | -54.72 dBm | -41.72 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.96149 GHz | -53.65 dBm | -40.65 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.48771 GHz | -44.69 dBm | -31.69 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.75028 GHz | -50.67 dBm | -37.67 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.82039 GHz | -47.01 dBm | -34.01 dB |

Date: 11.MAR.2025 15:56:54

### Highest Channel / QPSK



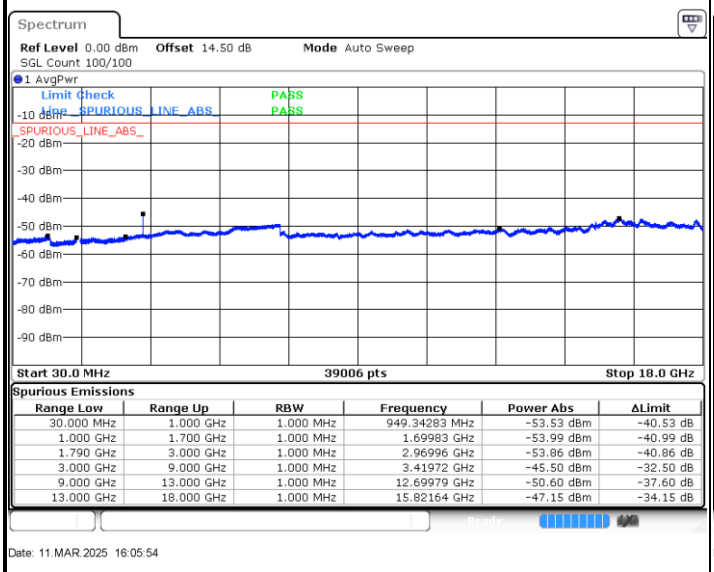

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 917.83358 MHz | -53.60 dBm | -40.60 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69633 GHz | -54.32 dBm | -41.32 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.88811 GHz | -53.47 dBm | -40.47 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.55470 GHz | -44.21 dBm | -31.21 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.76028 GHz | -50.77 dBm | -37.77 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.82789 GHz | -46.88 dBm | -33.88 dB |

Date: 11.MAR.2025 16:02:33

## LTE Band 66 / 5MHz

### Lowest Channel / QPSK

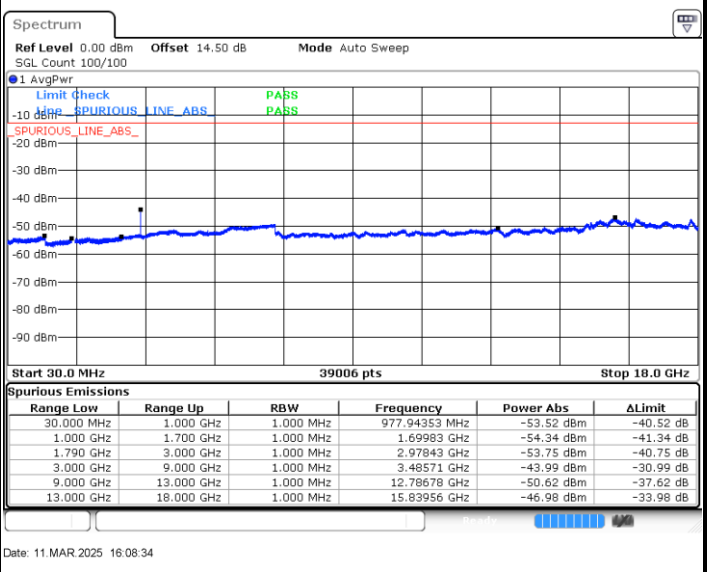



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 949.34283 MHz | -53.53 dBm | -40.53 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69983 GHz | -53.99 dBm | -40.99 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.96996 GHz | -53.86 dBm | -40.86 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.41972 GHz | -45.50 dBm | -32.50 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.69979 GHz | -50.60 dBm | -37.60 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.82164 GHz | -47.15 dBm | -34.15 dB |

Date: 11.MAR.2025 16:05:54

### Middle Channel / QPSK

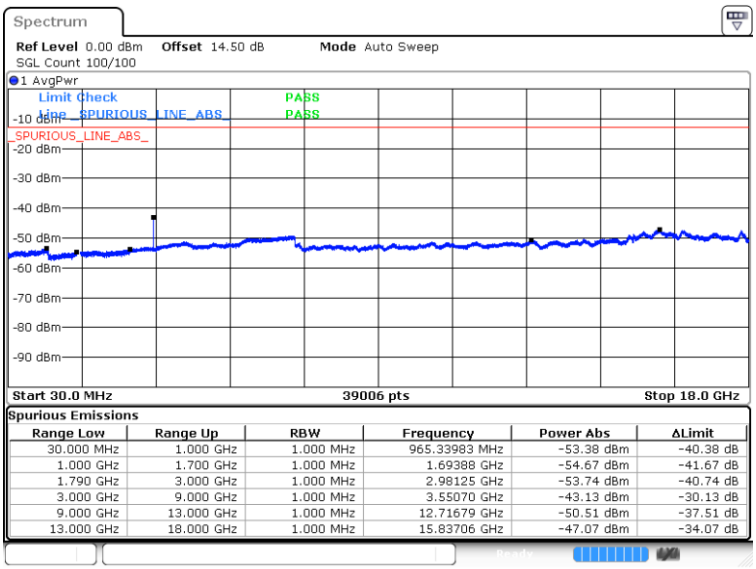



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 977.94353 MHz | -53.52 dBm | -40.52 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69983 GHz | -54.34 dBm | -41.34 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.97843 GHz | -53.75 dBm | -40.75 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.48571 GHz | -43.99 dBm | -30.99 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.78678 GHz | -50.62 dBm | -37.62 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.83956 GHz | -46.98 dBm | -33.98 dB |

Date: 11.MAR.2025 16:08:34

### Highest Channel / QPSK



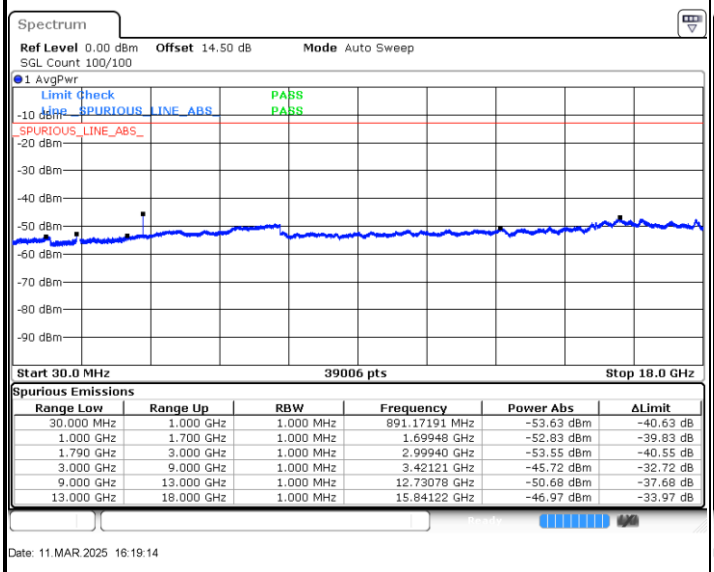

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 965.33983 MHz | -53.38 dBm | -40.38 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69388 GHz | -54.67 dBm | -41.67 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.98125 GHz | -53.74 dBm | -40.74 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.55070 GHz | -43.13 dBm | -30.13 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.71679 GHz | -50.51 dBm | -37.51 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.83706 GHz | -47.07 dBm | -34.07 dB |

Date: 11.MAR.2025 16:14:12

## LTE Band 66 / 10MHz

### Lowest Channel / QPSK

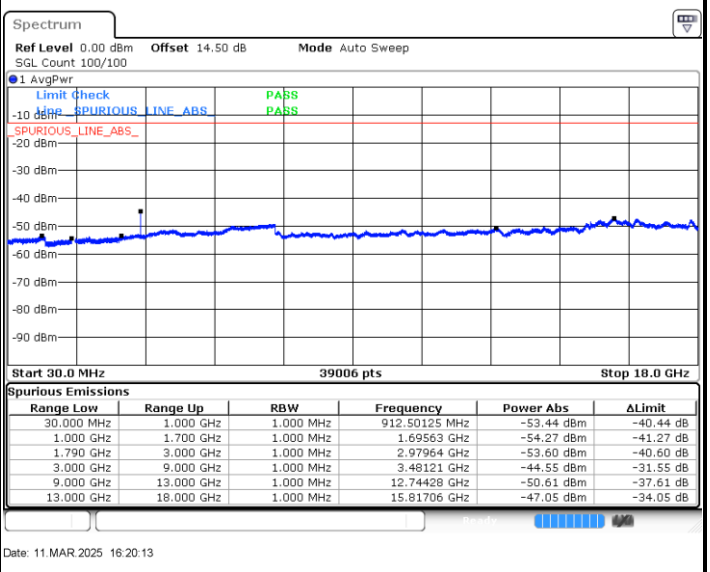



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 891.17191 MHz | -53.63 dBm | -40.63 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69948 GHz | -52.83 dBm | -39.83 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.99940 GHz | -53.55 dBm | -40.55 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.42121 GHz | -45.72 dBm | -32.72 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.73078 GHz | -50.68 dBm | -37.68 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.84122 GHz | -46.97 dBm | -33.97 dB |

Date: 11.MAR.2025 16:19:14

### Middle Channel / QPSK

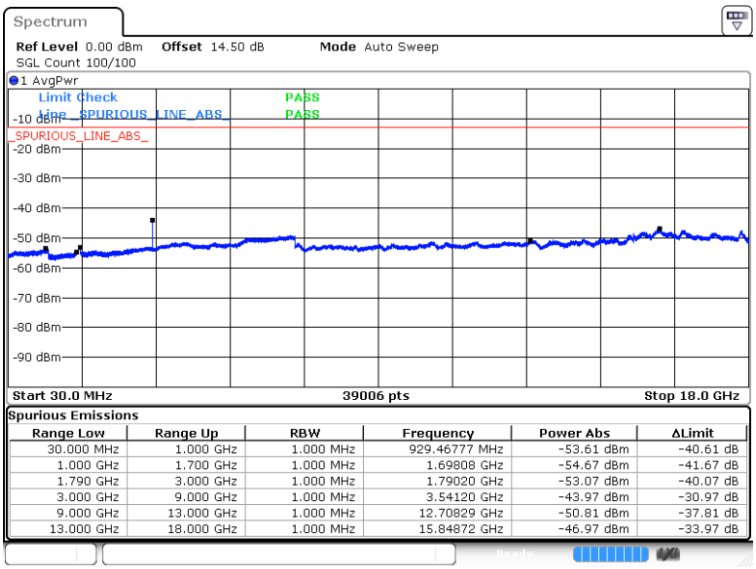



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 912.50125 MHz | -53.44 dBm | -40.44 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69563 GHz | -54.27 dBm | -41.27 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.97964 GHz | -53.60 dBm | -40.60 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.48121 GHz | -44.55 dBm | -31.55 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.74428 GHz | -50.61 dBm | -37.61 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.81706 GHz | -47.05 dBm | -34.05 dB |

Date: 11.MAR.2025 16:20:13

### Highest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 929.46777 MHz | -53.61 dBm | -40.61 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69808 GHz | -54.67 dBm | -41.67 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 1.79020 GHz | -53.07 dBm | -40.07 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.54120 GHz | -43.97 dBm | -30.97 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.70829 GHz | -50.81 dBm | -37.81 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.84872 GHz | -46.97 dBm | -33.97 dB |

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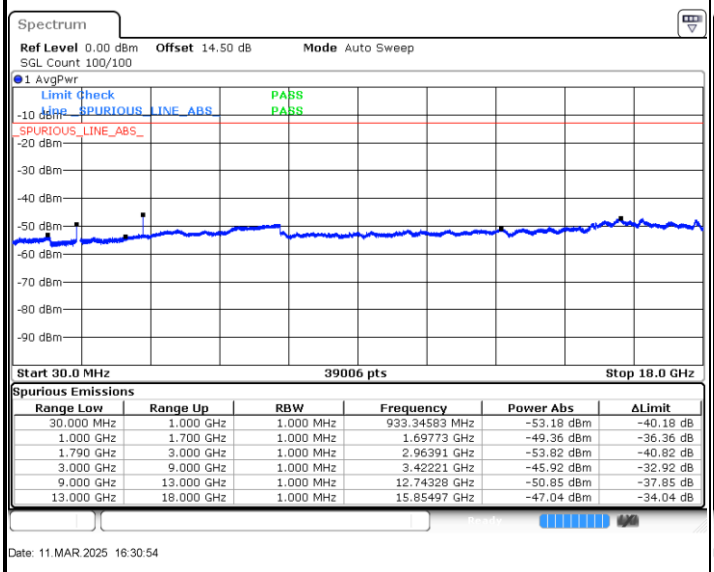
## LTE Band 66 / 15MHz

### Lowest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 933.34583 MHz | -53.18 dBm | -40.18 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69773 GHz | -49.36 dBm | -36.36 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.96391 GHz | -53.82 dBm | -40.82 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.42221 GHz | -45.92 dBm | -32.92 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.74328 GHz | -50.85 dBm | -37.85 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.85497 GHz | -47.04 dBm | -34.04 dB |

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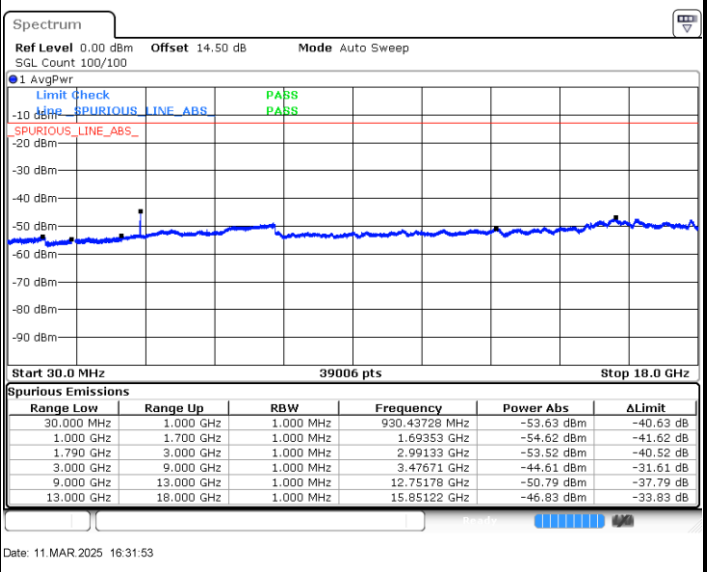
### Middle Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 930.43728 MHz | -53.63 dBm | -40.63 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69353 GHz | -54.62 dBm | -41.62 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.99133 GHz | -53.52 dBm | -40.52 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.47671 GHz | -44.61 dBm | -31.61 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.75178 GHz | -50.79 dBm | -37.79 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.85122 GHz | -46.83 dBm | -33.83 dB |

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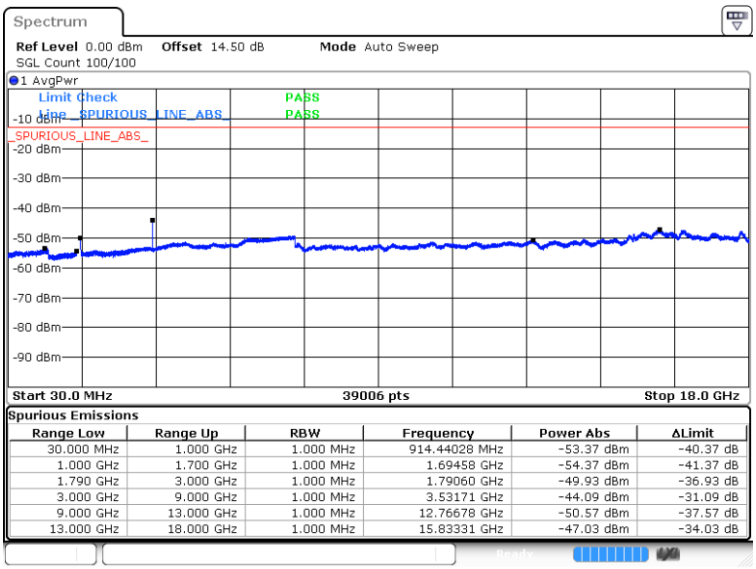
### Highest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 914.44028 MHz | -53.37 dBm | -40.37 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69458 GHz | -54.37 dBm | -41.37 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 1.79060 GHz | -49.93 dBm | -36.93 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.53171 GHz | -44.09 dBm | -31.09 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.76678 GHz | -50.57 dBm | -37.57 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.83331 GHz | -47.03 dBm | -34.03 dB |

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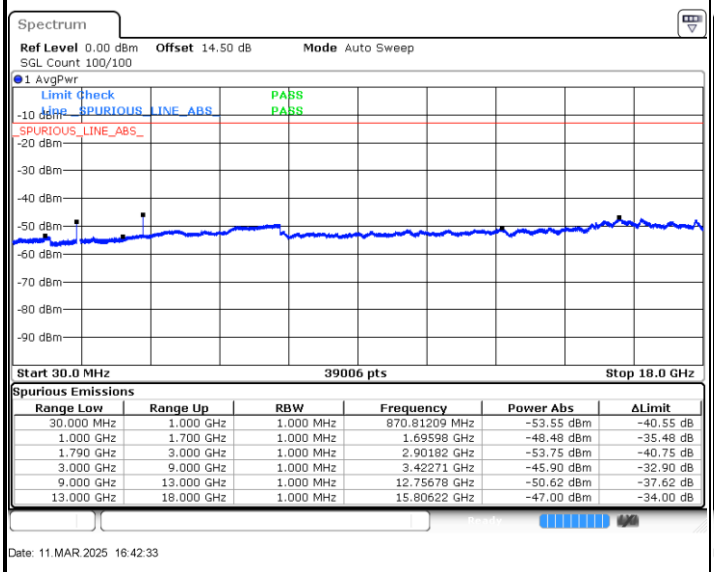
## LTE Band 66 / 20MHz

### Lowest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 870.81209 MHz | -53.55 dBm | -40.55 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.69598 GHz | -48.48 dBm | -35.48 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.90182 GHz | -53.75 dBm | -40.75 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.42271 GHz | -45.90 dBm | -32.90 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.75678 GHz | -50.62 dBm | -37.62 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.80622 GHz | -47.00 dBm | -34.00 dB |

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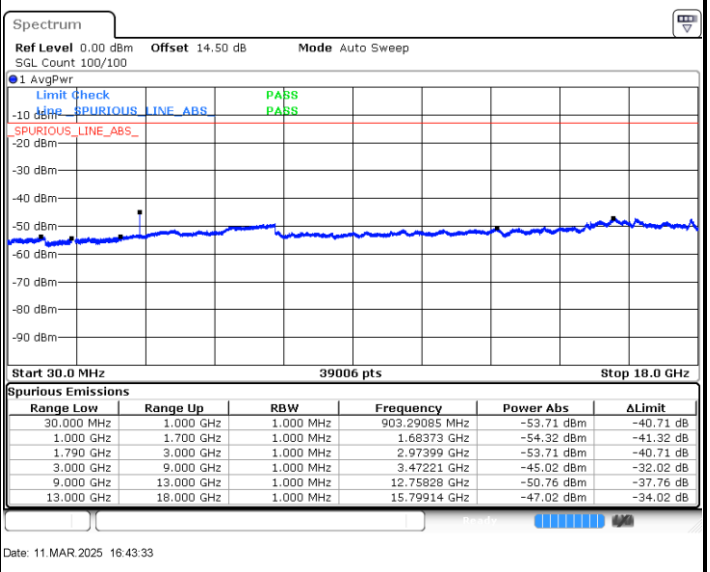
### Middle Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 903.29085 MHz | -53.71 dBm | -40.71 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.68373 GHz | -54.32 dBm | -41.32 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 2.97399 GHz | -53.71 dBm | -40.71 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.47221 GHz | -45.02 dBm | -32.02 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.75828 GHz | -50.76 dBm | -37.76 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.79914 GHz | -47.02 dBm | -34.02 dB |

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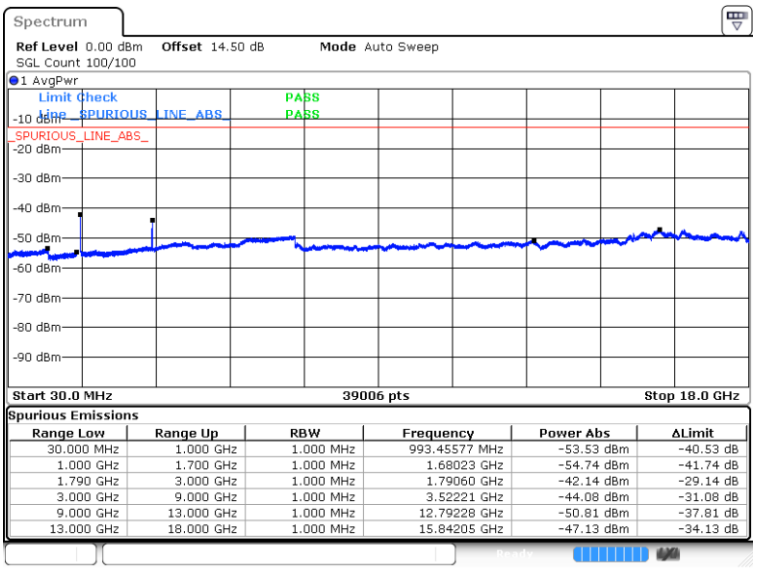
### Highest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 1.000 GHz | 1.000 MHz | 993.45577 MHz | -53.53 dBm | -40.53 dB |
| 1.000 GHz | 1.700 GHz | 1.000 MHz | 1.68023 GHz | -54.74 dBm | -41.74 dB |
| 1.790 GHz | 3.000 GHz | 1.000 MHz | 1.79060 GHz | -42.14 dBm | -29.14 dB |
| 3.000 GHz | 9.000 GHz | 1.000 MHz | 3.52221 GHz | -44.08 dBm | -31.08 dB |
| 9.000 GHz | 13.000 GHz | 1.000 MHz | 12.79228 GHz | -50.81 dBm | -37.81 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.84205 GHz | -47.13 dBm | -34.13 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 | 0.0006 | PASS |
| 40 | Normal Voltage | 0.0003 | |
| 30 | Normal Voltage | 0.0002 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0014 | |
| 0 | Normal Voltage | 0.0005 | |
| -10 | Normal Voltage | 0.0010 | |
| -20 | Normal Voltage | 0.0037 | |
| -30 | Normal Voltage | 0.0015 | |
| 20 | Maximum Voltage | 0.0002 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0003 | |

**Note:**

1. Normal Voltage = 3.92V. ; Minimum Voltage = 3.6V. ; Maximum Voltage =4.53 V
2. The frequency fundamental emissions stay within the authorized frequency block.

# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

| Test Engineer : | LiangPing Zhou | Temperature : | 22~25℃ |
|---|---|---|---|
| | | Relative Humidity : | 48~52% |

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

| LTE Band 2 / 20MHz / QPSK_Ant5 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 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 | -61.09 | -13 | -48.09 | -79.67 | -67.84 | 5.85 | 12.60 | H |
| | 5613 | -59.07 | -13 | -46.07 | -81.46 | -64.87 | 7.30 | 13.10 | H |
| | 7484 | -54.65 | -13 | -41.65 | -81.58 | -57.80 | 8.35 | 11.50 | H |
| | 3742 | -61.45 | -13 | -48.45 | -79.95 | -68.20 | 5.85 | 12.60 | V |
| | 5613 | -59.33 | -13 | -46.33 | -81.91 | -65.13 | 7.30 | 13.10 | V |
| | 7484 | -54.48 | -13 | -41.48 | -81.4 | -57.63 | 8.35 | 11.50 | V |

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

| LTE Band 12 / 20MHz / QPSK_Ant1 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 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 | -60.75 | -13 | -47.75 | -71.48 | -64.00 | 4.00 | 9.40 | H |
| | 2109 | -61.95 | -13 | -48.95 | -74.99 | -65.52 | 4.88 | 10.60 | H |
| | 2812 | -60.86 | -13 | -47.86 | -76.88 | -65.79 | 5.52 | 12.60 | H |
| | 1406 | -63.68 | -13 | -50.68 | -73.97 | -66.93 | 4.00 | 9.40 | V |
| | 2109 | -63.06 | -13 | -50.06 | -76.05 | -66.63 | 4.88 | 10.60 | V |
| | 2812 | -60.80 | -13 | -47.80 | -77.01 | -65.73 | 5.52 | 12.60 | V |

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

| LTE Band 13 / 5MHz / QPSK_Ant1 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 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 | -61.58 | -42.15 | -19.43 | -71.60 | -64.83 | 4.00 | 9.40 | H |
| | 2339.25 | -62.96 | -13 | -49.96 | -77.71 | -66.53 | 4.88 | 10.60 | H |
| | 3119 | -60.96 | -13 | -47.96 | -78.09 | -65.89 | 5.52 | 12.60 | H |
| | 1559.5 | -65.86 | -42.15 | -23.71 | -75.96 | -69.11 | 4.00 | 9.40 | V |
| | 2339.25 | -62.99 | -13 | -49.99 | -77.74 | -66.56 | 4.88 | 10.60 | V |
| | 3119 | -61.12 | -13 | -48.12 | -78.29 | -66.05 | 5.52 | 12.60 | V |

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

| LTE Band 13 / 10MHz / QPSK_Ant1 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 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 | -65.96 | -42.15 | -23.81 | -75.98 | -69.21 | 4.00 | 9.40 | H |
| | 2339.25 | -63.16 | -13 | -50.16 | -77.91 | -66.73 | 4.88 | 10.60 | H |
| | 3119 | -61.32 | -13 | -48.32 | -78.45 | -66.25 | 5.52 | 12.60 | H |
| | 1559.5 | -65.77 | -42.15 | -23.62 | -75.87 | -69.02 | 4.00 | 9.40 | V |
| | 2339.25 | -62.83 | -13 | -49.83 | -77.58 | -66.40 | 4.88 | 10.60 | V |
| | 3119 | -61.37 | -13 | -48.37 | -78.54 | -66.30 | 5.52 | 12.60 | V |

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

| LTE Band 5 / 10MHz / QPSK_Ant1 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 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 | -66.22 | -13 | -53.22 | -76.16 | -69.47 | 4.00 | 9.40 | H |
| | 2496 | -63.08 | -13 | -50.08 | -77.52 | -66.65 | 4.88 | 10.60 | H |
| | 3328 | -62.40 | -13 | -49.40 | -78.56 | -67.33 | 5.52 | 12.60 | H |
| | 1664 | -66.53 | -13 | -53.53 | -76.07 | -69.78 | 4.00 | 9.40 | V |
| | 2496 | -63.22 | -13 | -50.22 | -77.62 | -66.79 | 4.88 | 10.60 | V |
| | 3328 | -62.60 | -13 | -49.60 | -78.52 | -67.53 | 5.52 | 12.60 | V |

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

| LTE Band 26 / 20MHz / QPSK_Ant1 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 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 | 1649.5 | -66.25 | -13 | -53.25 | -76.17 | -69.50 | 4.00 | 9.40 | H |
| | 2474.25 | -62.99 | -13 | -49.99 | -77.46 | -66.56 | 4.88 | 10.60 | H |
| | 3299 | -62.00 | -13 | -49.00 | -78.50 | -66.93 | 5.52 | 12.60 | H |
| | 1649.5 | -66.53 | -13 | -53.53 | -76.19 | -69.78 | 4.00 | 9.40 | V |
| | 2474.25 | -63.15 | -13 | -50.15 | -77.59 | -66.72 | 4.88 | 10.60 | V |
| | 3299 | -62.30 | -13 | -49.30 | -78.61 | -67.23 | 5.52 | 12.60 | V |

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

| LTE Band 66 / 20MHz / QPSK_Ant5 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 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 | -61.63 | -13 | -48.63 | -78.53 | -68.48 | 5.65 | 12.50 | H |
| | 5208 | -60.49 | -13 | -47.49 | -82.22 | -66.16 | 7.13 | 12.80 | H |
| | 6944 | -55.92 | -13 | -42.92 | -81.84 | -59.32 | 8.40 | 11.80 | H |
| | 3472 | -61.81 | -13 | -48.81 | -78.73 | -68.66 | 5.65 | 12.50 | V |
| | 5208 | -60.44 | -13 | -47.44 | -82.42 | -66.11 | 7.13 | 12.80 | V |
| | 6944 | -55.71 | -13 | -42.71 | -82.1 | -59.11 | 8.40 | 11.80 | V |

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