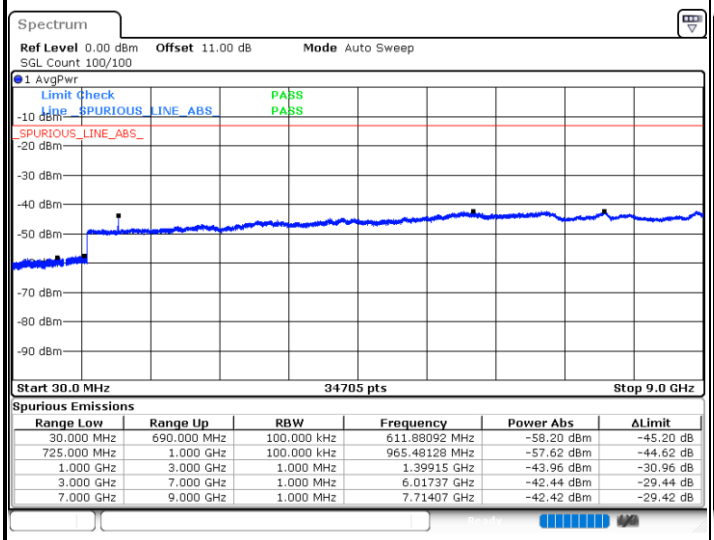
## LTE Band 12 / 5MHz

### Lowest Channel / QPSK

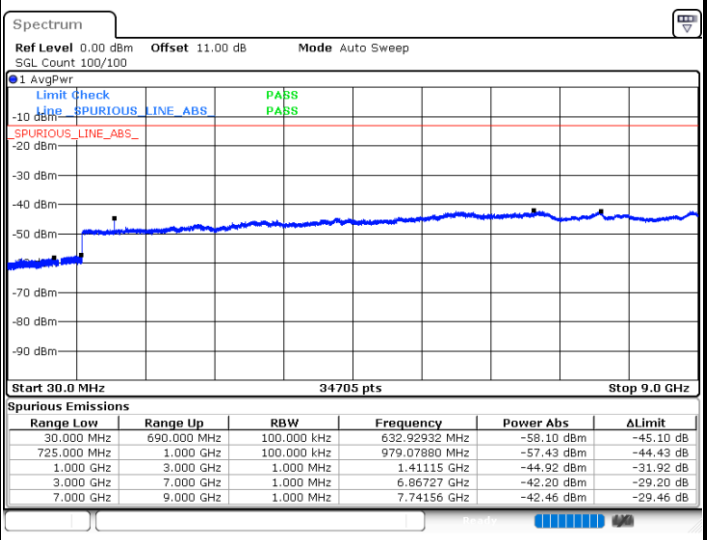



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 611.88092 MHz | -58.20 dBm | -45.20 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 965.48128 MHz | -57.62 dBm | -44.62 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39915 GHz | -43.96 dBm | -30.96 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.01737 GHz | -42.44 dBm | -29.44 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.71407 GHz | -42.42 dBm | -29.42 dB |

Date: 15.DEC.2022 10:09:56

### Middle Channel / QPSK

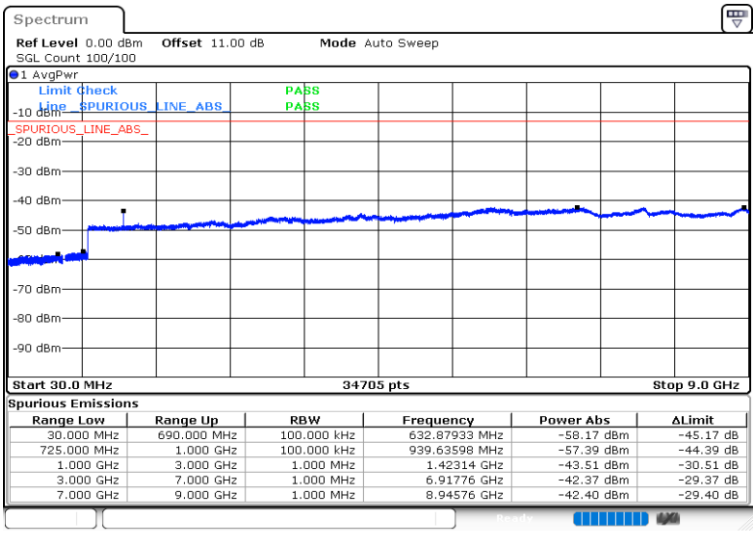



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 632.92932 MHz | -58.10 dBm | -45.10 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 979.07880 MHz | -57.43 dBm | -44.43 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.41115 GHz | -44.92 dBm | -31.92 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.86727 GHz | -42.20 dBm | -29.20 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.74156 GHz | -42.46 dBm | -29.46 dB |

Date: 15.DEC.2022 10:11:14

### Highest Channel / QPSK



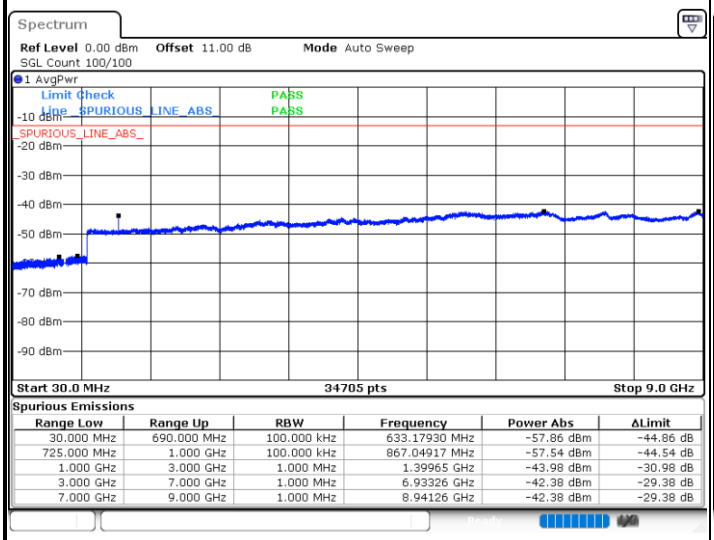

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 632.87933 MHz | -58.17 dBm | -45.17 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 939.63598 MHz | -57.39 dBm | -44.39 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.42314 GHz | -43.51 dBm | -30.51 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.91776 GHz | -42.37 dBm | -29.37 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.94576 GHz | -42.40 dBm | -29.40 dB |

Date: 15.DEC.2022 10:12:32

## LTE Band 12 / 10MHz

### Lowest Channel / QPSK

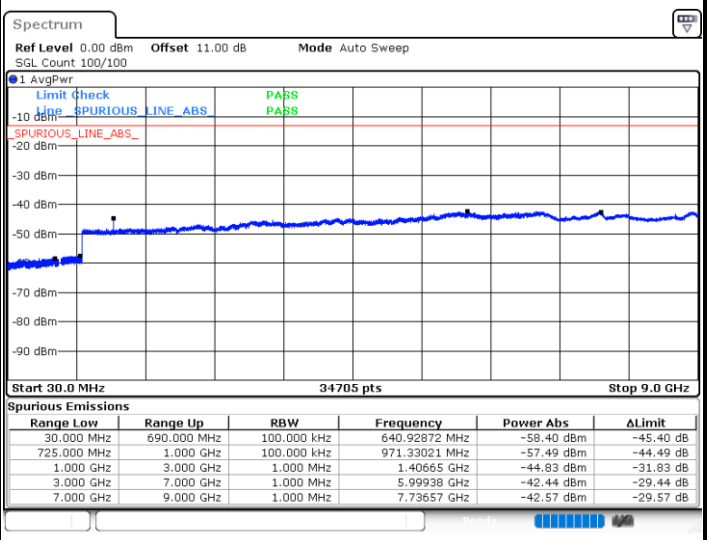



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 633.17930 MHz | -57.86 dBm | -44.86 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 867.04917 MHz | -57.54 dBm | -44.54 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.39965 GHz | -43.98 dBm | -30.98 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.93326 GHz | -42.38 dBm | -29.38 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.94126 GHz | -42.38 dBm | -29.38 dB |

Date: 15.DEC.2022 10:13:55

### Middle Channel / QPSK

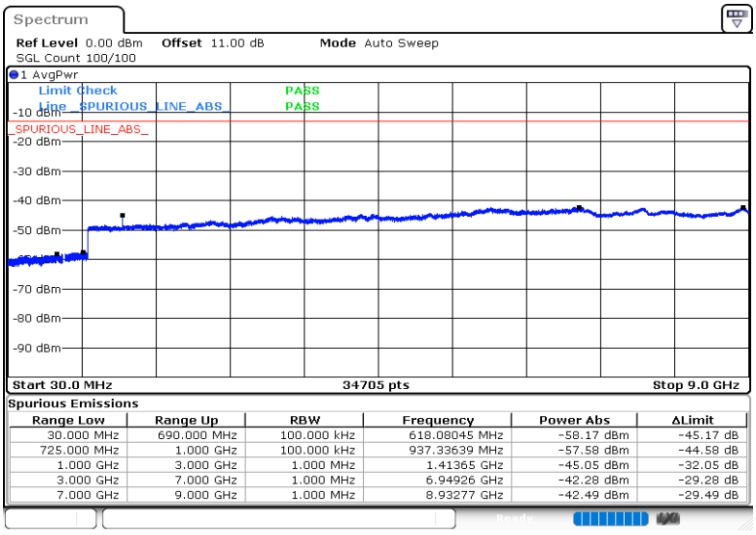



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 640.92872 MHz | -58.40 dBm | -45.40 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 971.33021 MHz | -57.49 dBm | -44.49 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.40665 GHz | -44.83 dBm | -31.83 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 5.99938 GHz | -42.44 dBm | -29.44 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 7.73657 GHz | -42.57 dBm | -29.57 dB |

Date: 15.DEC.2022 10:15:13

### Highest Channel / QPSK




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 30.000 MHz | 690.000 MHz | 100.000 kHz | 618.08045 MHz | -58.17 dBm | -45.17 dB |
| 725.000 MHz | 1.000 GHz | 100.000 kHz | 937.33639 MHz | -57.58 dBm | -44.58 dB |
| 1.000 GHz | 3.000 GHz | 1.000 MHz | 1.41365 GHz | -45.05 dBm | -32.05 dB |
| 3.000 GHz | 7.000 GHz | 1.000 MHz | 6.94926 GHz | -42.28 dBm | -29.28 dB |
| 7.000 GHz | 9.000 GHz | 1.000 MHz | 8.93277 GHz | -42.49 dBm | -29.49 dB |

Date: 15.DEC.2022 10:16:31

# Frequency Stability

| Test Conditions | | LTE Band 12 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | BW 10MHz | Note 2. |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 0.0013 | PASS |
| 40 | Normal Voltage | 0.0045 | |
| 30 | Normal Voltage | 0.0014 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 0.0033 | |
| 0 | Normal Voltage | 0.0068 | |
| -10 | Normal Voltage | 0.0034 | |
| -20 | Normal Voltage | 0.0017 | |
| -30 | Normal Voltage | 0.0041 | |
| 20 | Maximum Voltage | 0.0037 | |
| 20 | Normal Voltage | 0.0000 | |
| 20 | Battery End Point | 0.0103 | |

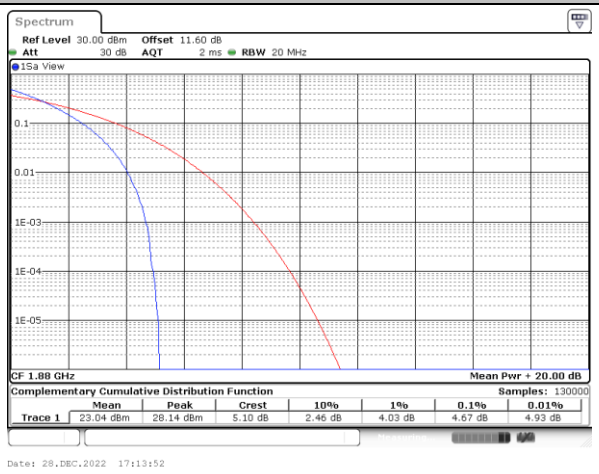
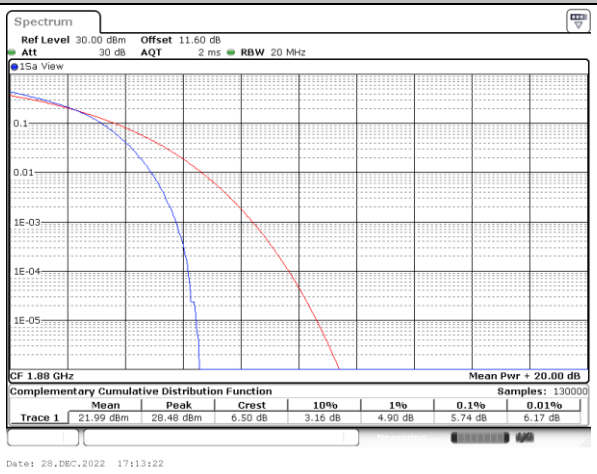
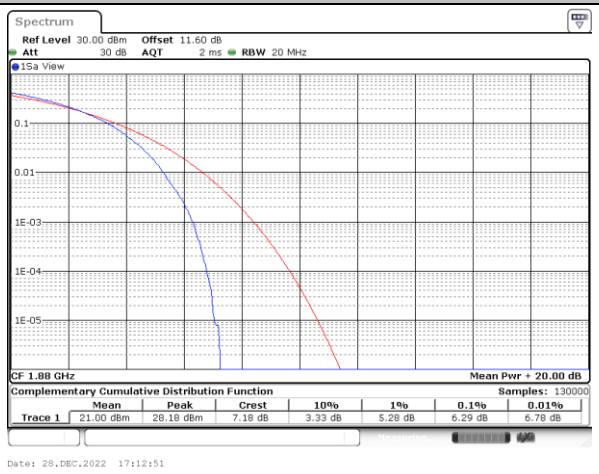
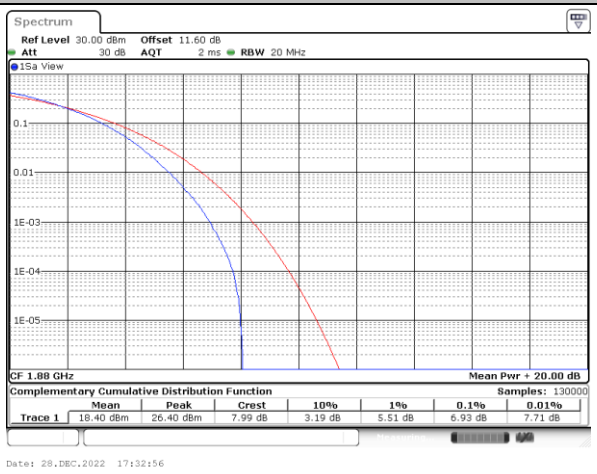
**Note:**

1. Normal Voltage = 4.2 V.；Battery End Point (BEP) = 3.4 V.；Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

# LTE Band 25

## Peak-to-Average Ratio

| Mode | LTE Band 25 / 20MHz | | | | |
|---|---|---|---|---|---|
| Mod. | QPSK | 16QAM | 64QAM | 256QAM | Limit: 13dB |
| RB Size | Full RB | Full RB | Full RB | Full RB | Result |
| Middle CH | 4.67 | 5.74 | 6.29 | 6.93 | PASS |

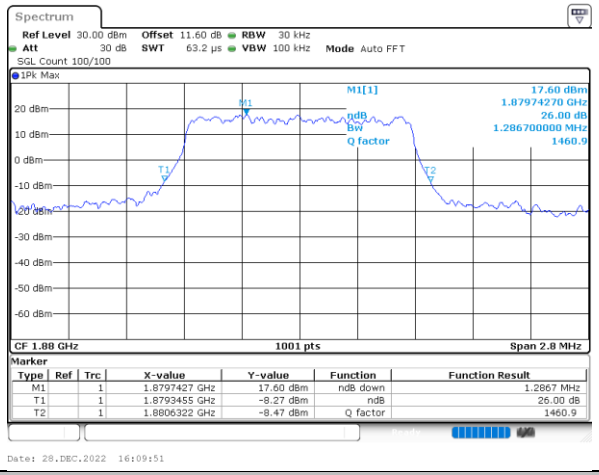
| LTE Band 25 / 20MHz / QPSK | LTE Band 25 / 20MHz / 16QAM |
|---|---|
| Middle Channel / Full RB | Middle Channel / Full RB |
|  |  |
| LTE Band 25 / 20MHz / 64QAM | LTE Band 25 / 20MHz / 256QAM |
| Middle Channel / Full RB | Middle Channel / Full RB |
|  |  |

# 26dB Bandwidth

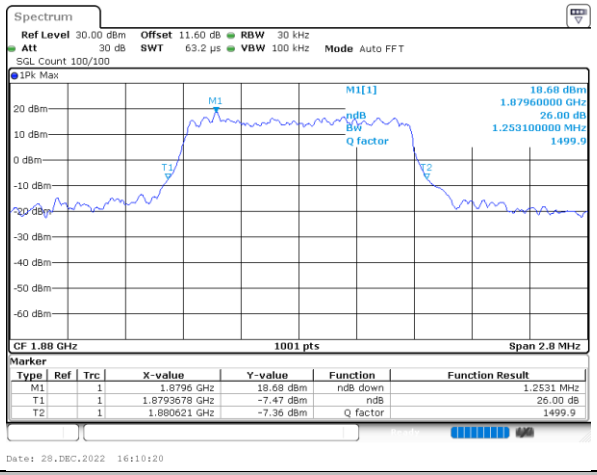
| Mode | LTE Band 25 : 26dB BW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 1.29 | 1.25 | 2.99 | 2.94 | 4.93 | 4.78 | 9.69 | 9.81 | 14.39 | 14.33 | 18.78 | 18.86 |
| Mode | LTE Band 25 : 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 | 1.29 | 1.23 | 3.01 | 3.02 | 4.96 | 4.84 | 9.87 | 9.79 | 14.57 | 14.66 | 18.66 | 18.74 |

## LTE Band 25

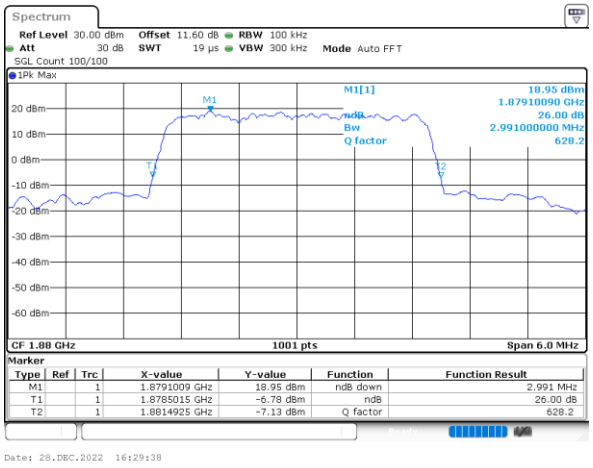
### Middle Channel / 1.4MHz / QPSK



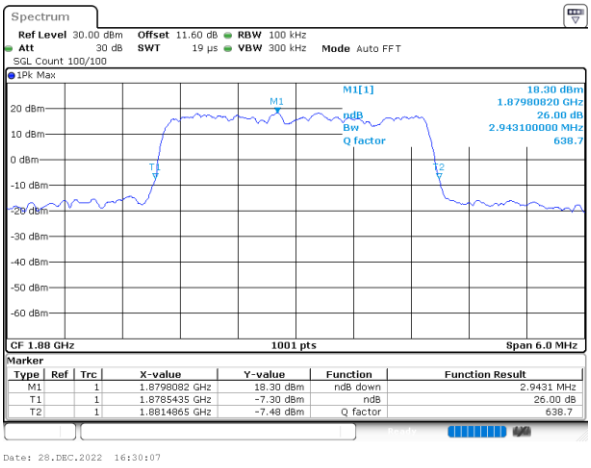

### Middle Channel / 1.4MHz / 16QAM



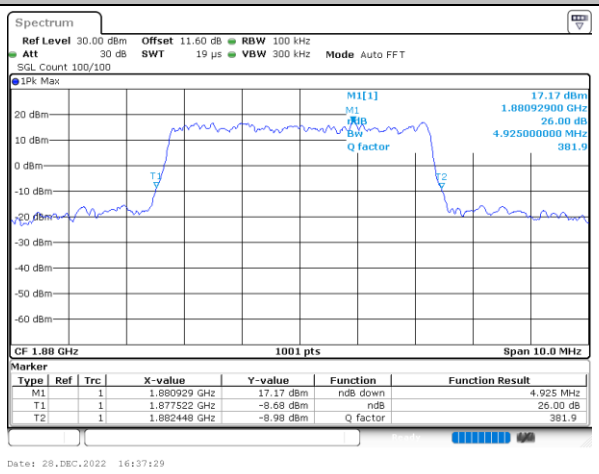

### Middle Channel / 3MHz / QPSK



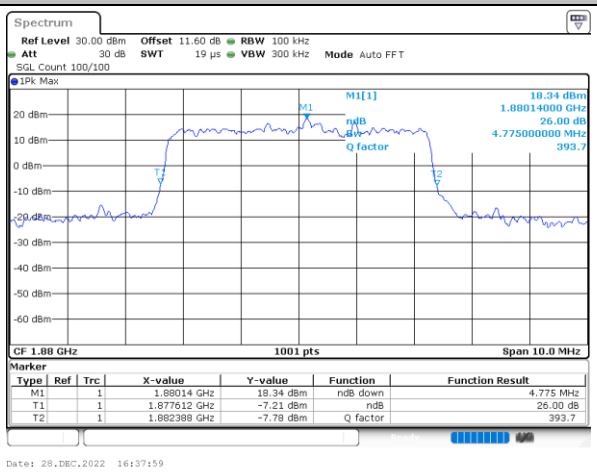

### Middle Channel / 3MHz / 16QAM




### Middle Channel / 5MHz / QPSK

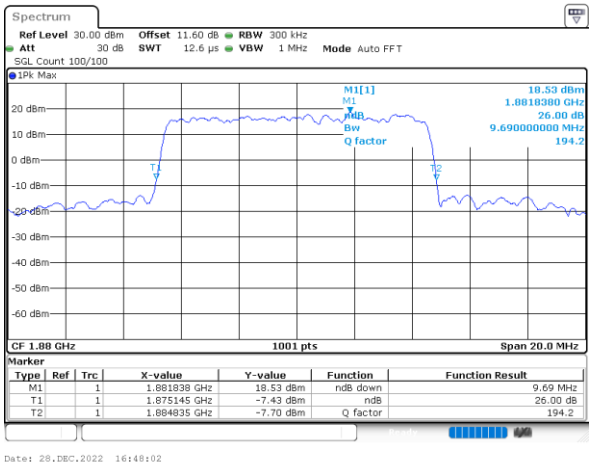



### Middle Channel / 5MHz / 16QAM

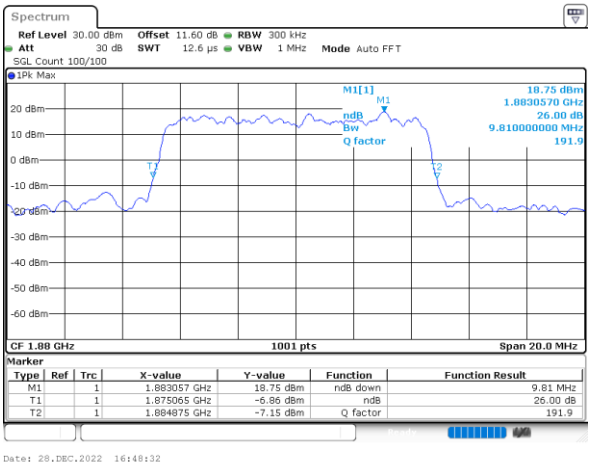


## LTE Band 25

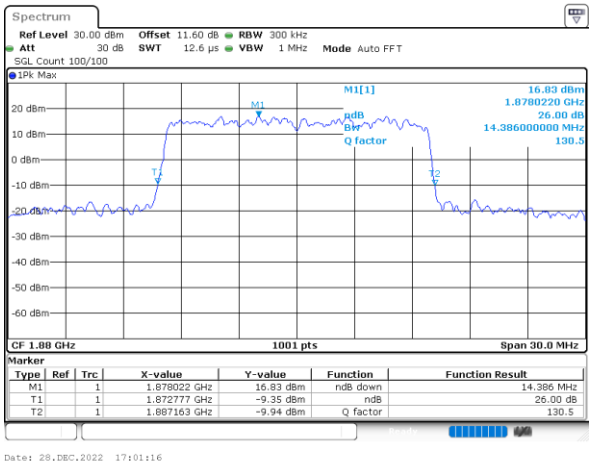
### Middle Channel / 10MHz / QPSK



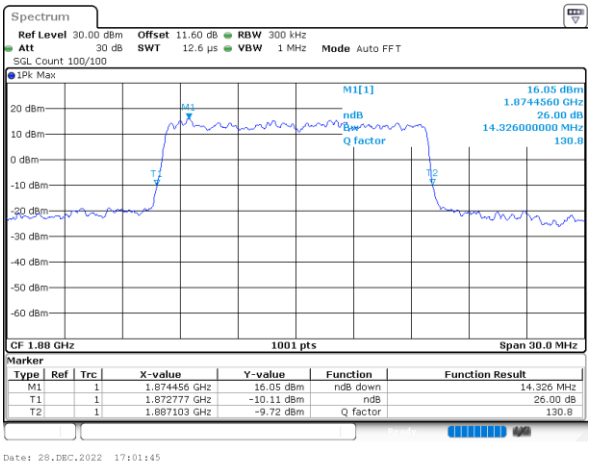

### Middle Channel / 10MHz / 16QAM



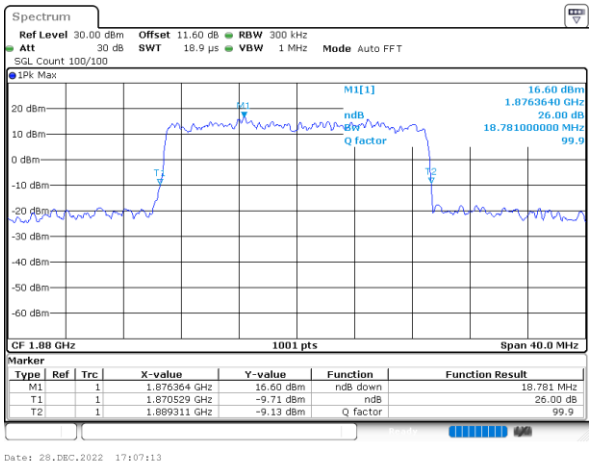

### Middle Channel / 15MHz / QPSK



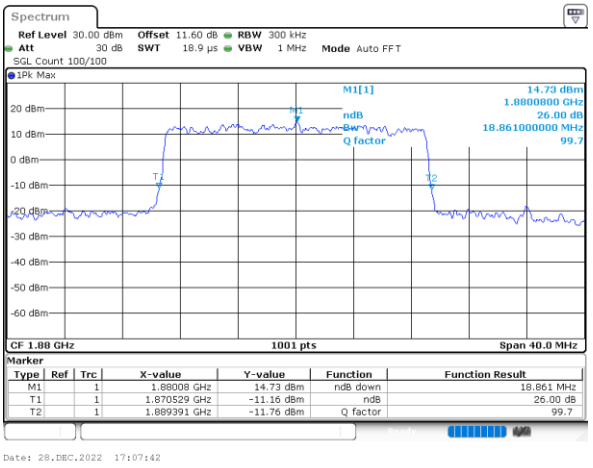

### Middle Channel / 15MHz / 16QAM




### Middle Channel / 20MHz / QPSK

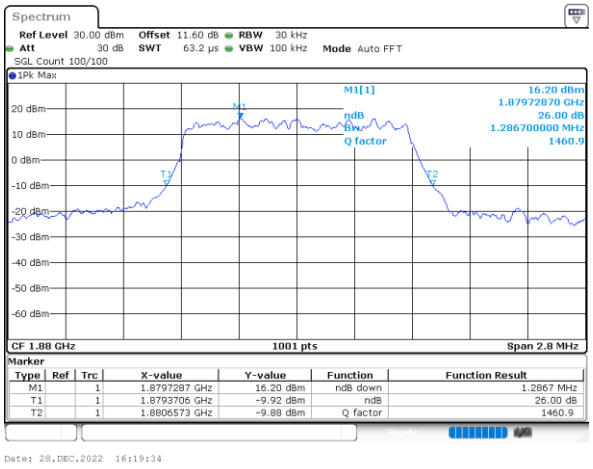



### Middle Channel / 20MHz / 16QAM

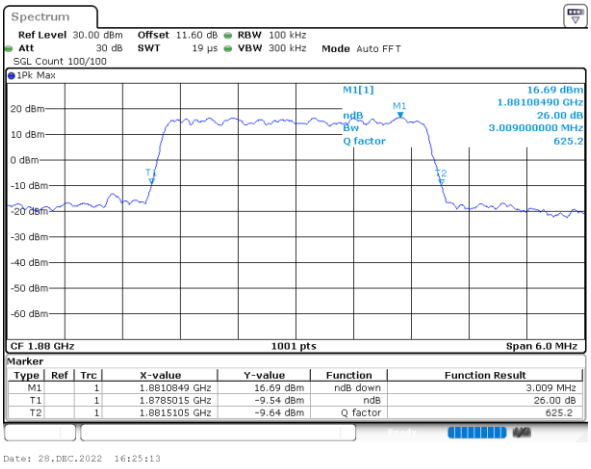


## LTE Band 25

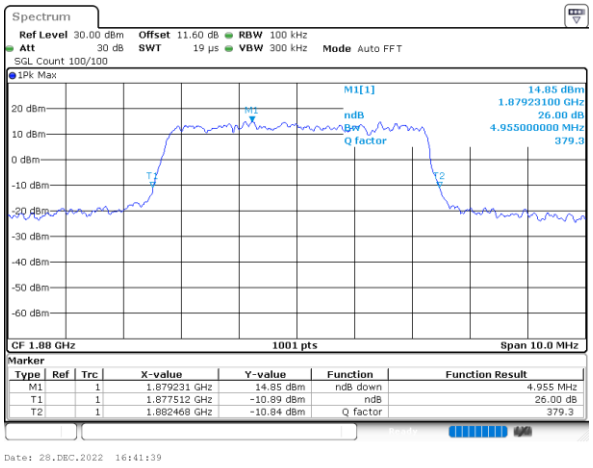
### Middle Channel / 1.4MHz / 64QAM



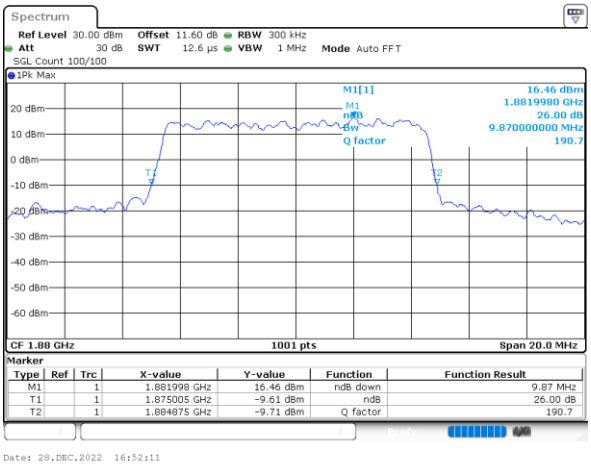

### Middle Channel / 3MHz / 64QAM



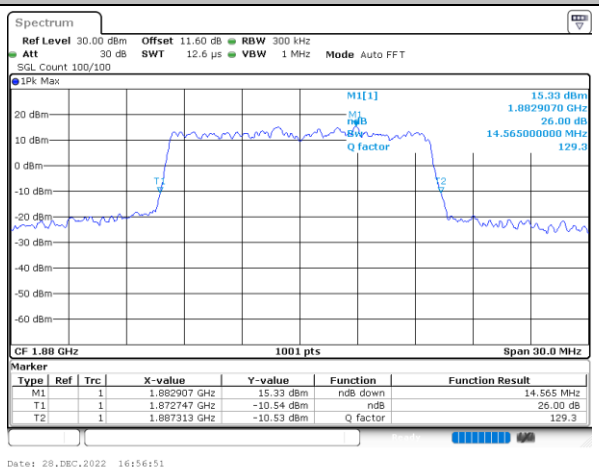

### Middle Channel / 5MHz / 64QAM



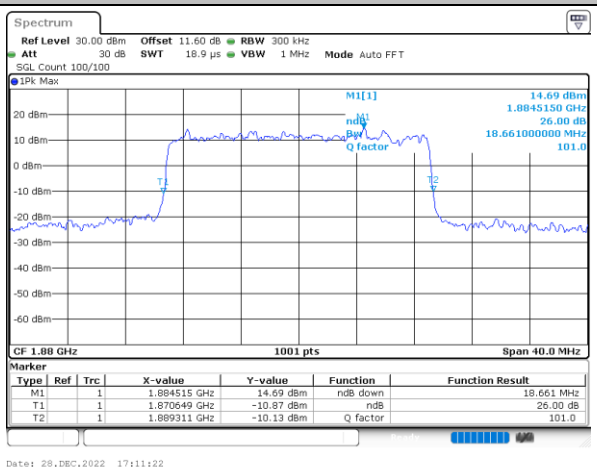

### Middle Channel / 10MHz / 64QAM




### Middle Channel / 15MHz / 64QAM

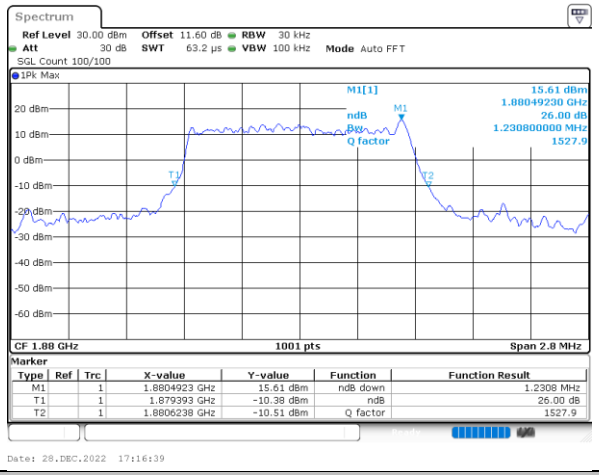



### Middle Channel / 20MHz / 64QAM

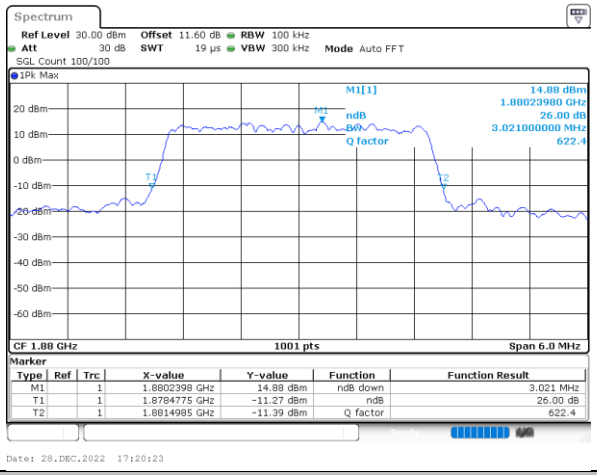


## LTE Band 25

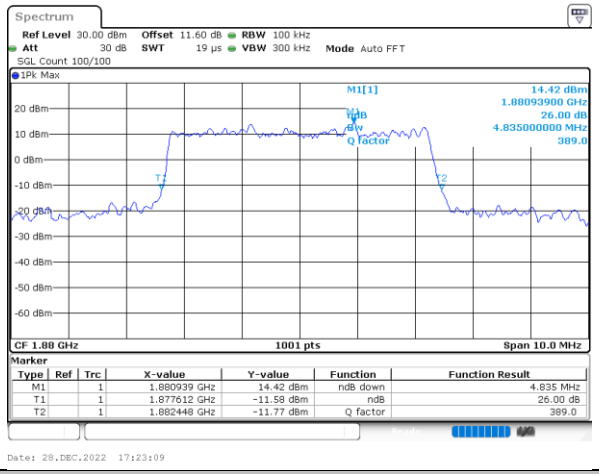
### Middle Channel / 1.4MHz / 256QAM



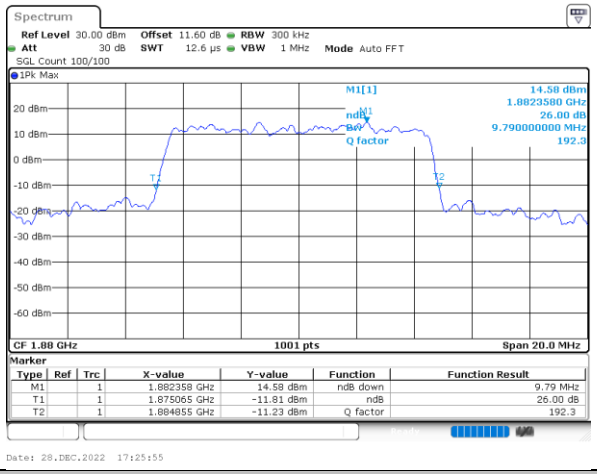

### Middle Channel / 3MHz / 256QAM



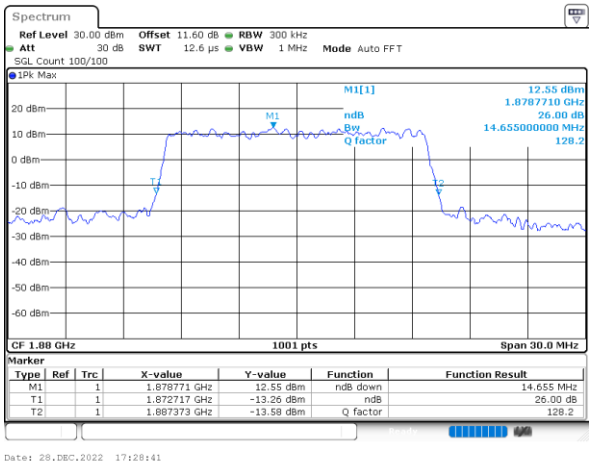

### Middle Channel / 5MHz / 256QAM



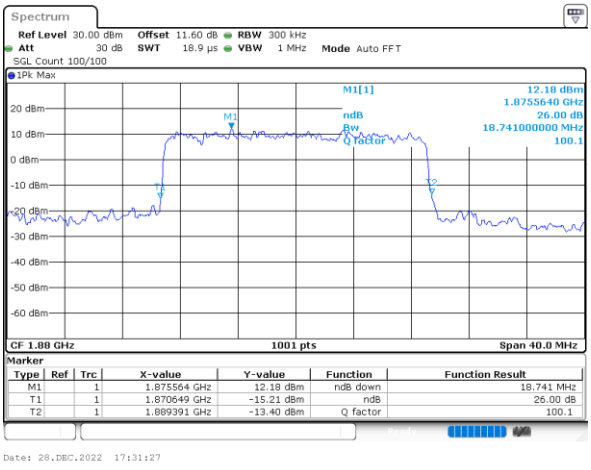

### Middle Channel / 10MHz / 256QAM




### Middle Channel / 15MHz / 256QAM




### Middle Channel / 20MHz / 256QAM

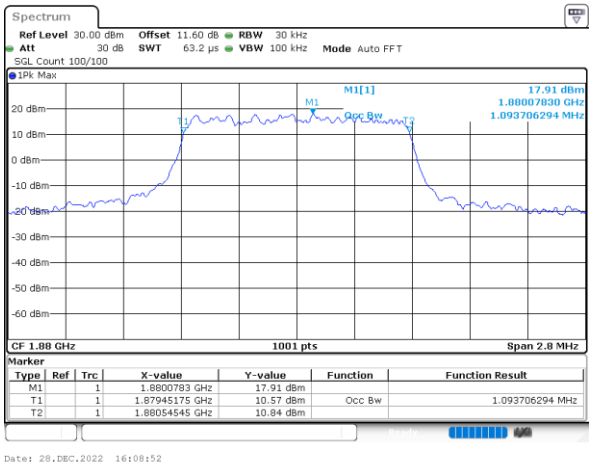


# Occupied Bandwidth

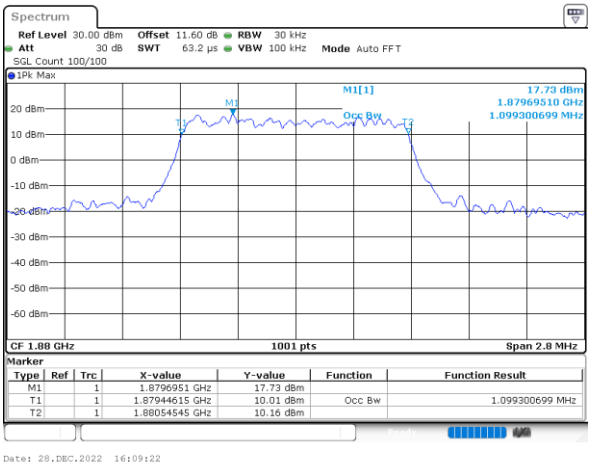
| Mode | LTE Band 25 : 99%OBW(MHz) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BW | 1.4MHz | | 3MHz | | 5MHz | | 10MHz | | 15MHz | | 20MHz | |
| Mod. | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM | QPSK | 16QAM |
| Middle CH | 1.09 | 1.10 | 2.72 | 2.72 | 4.49 | 4.49 | 9.07 | 9.07 | 13.43 | 13.40 | 17.82 | 17.86 |
| Mode | LTE Band 25 : 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 | 1.11 | 1.09 | 2.73 | 2.72 | 4.50 | 4.49 | 9.11 | 9.07 | 13.49 | 13.37 | 17.86 | 17.90 |

## LTE Band 25

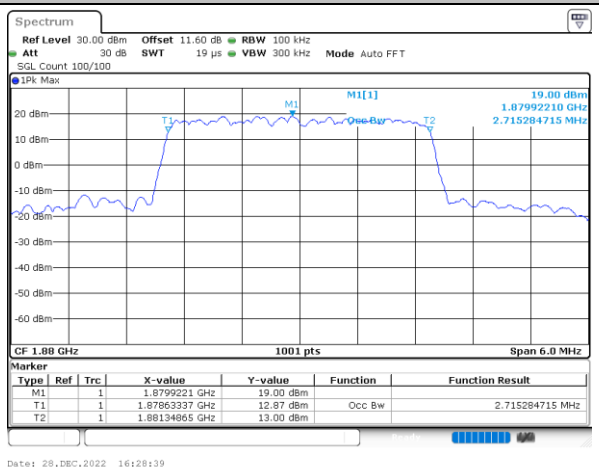
### Middle Channel / 1.4MHz / QPSK



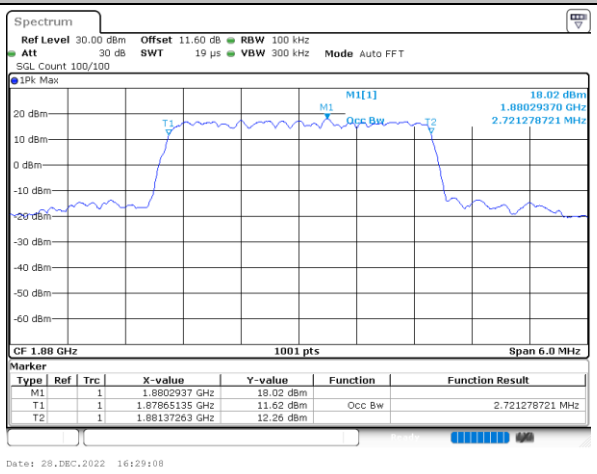

### Middle Channel / 1.4MHz / 16QAM



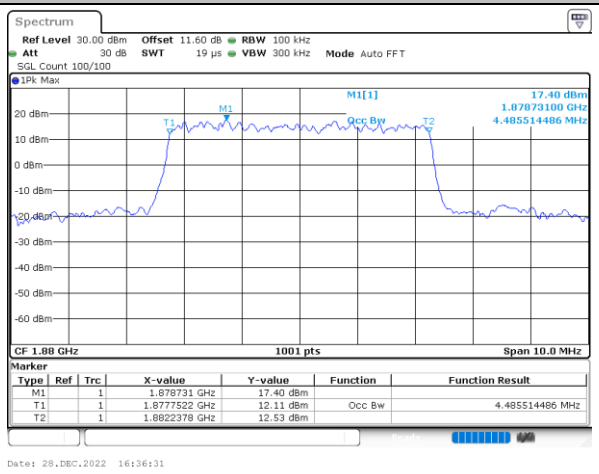

### Middle Channel / 3MHz / QPSK



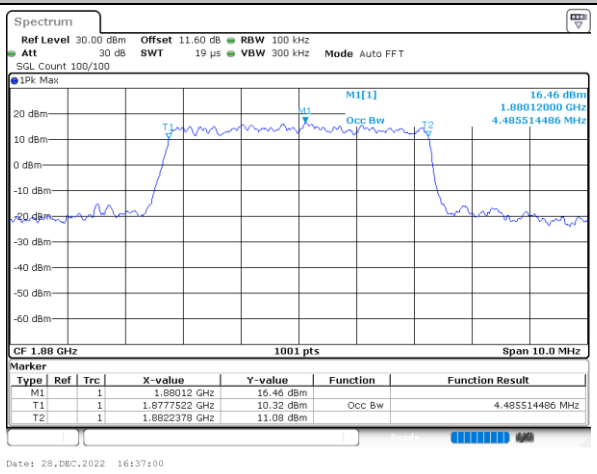

### Middle Channel / 3MHz / 16QAM




### Middle Channel / 5MHz / QPSK

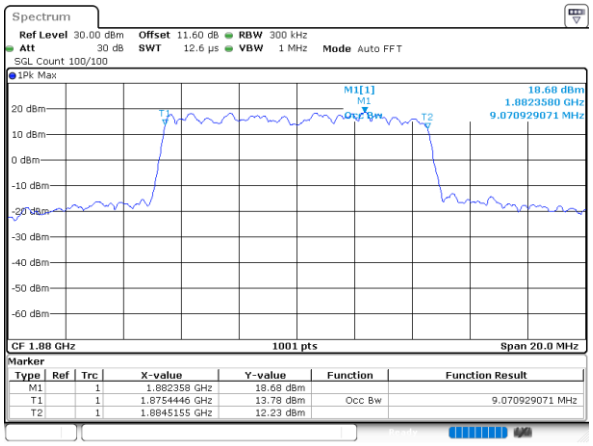



### Middle Channel / 5MHz / 16QAM

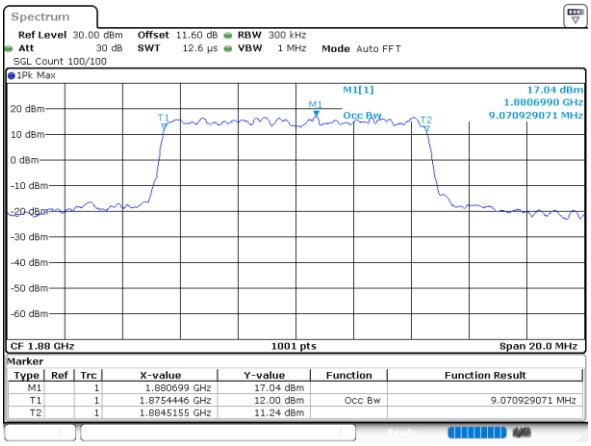


## LTE Band 25

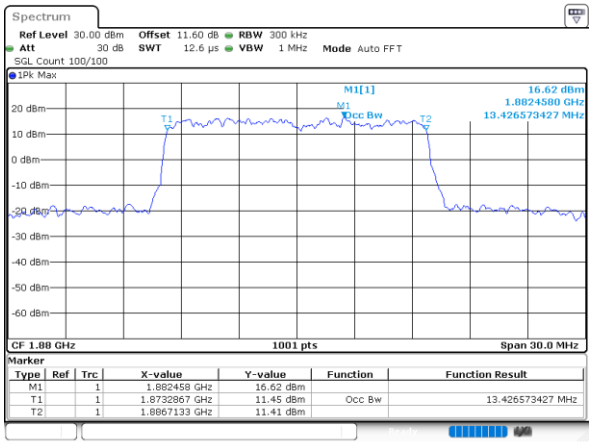
### Middle Channel / 10MHz / QPSK



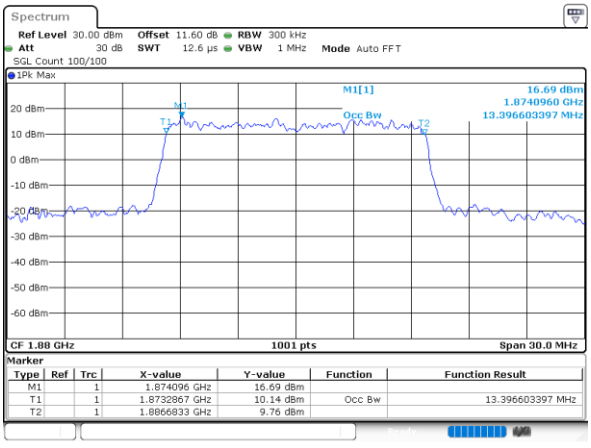

### Middle Channel / 10MHz / 16QAM



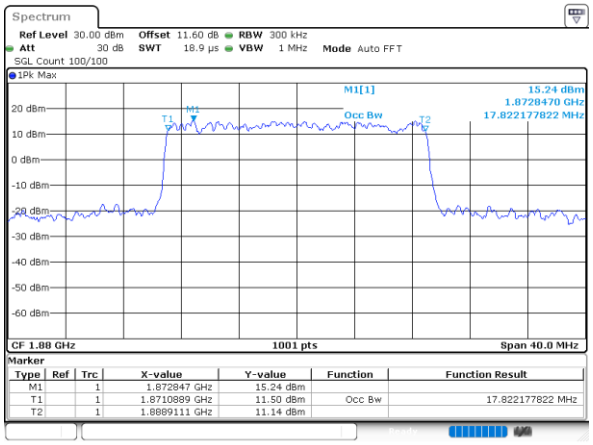

### Middle Channel / 15MHz / QPSK



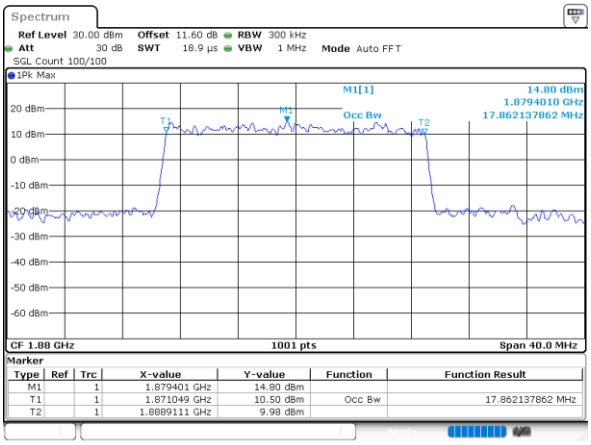

### Middle Channel / 15MHz / 16QAM




### Middle Channel / 20MHz / QPSK

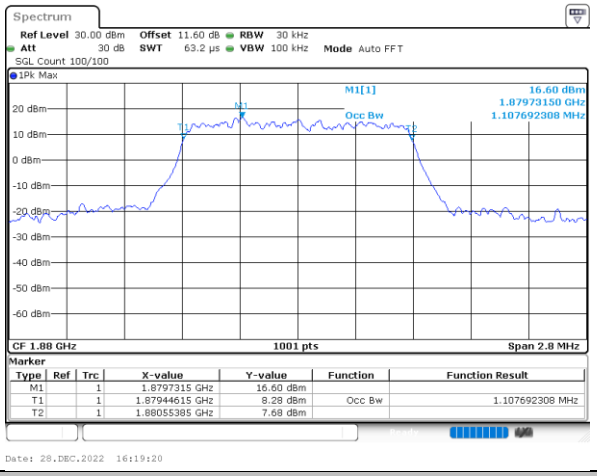



### Middle Channel / 20MHz / 16QAM

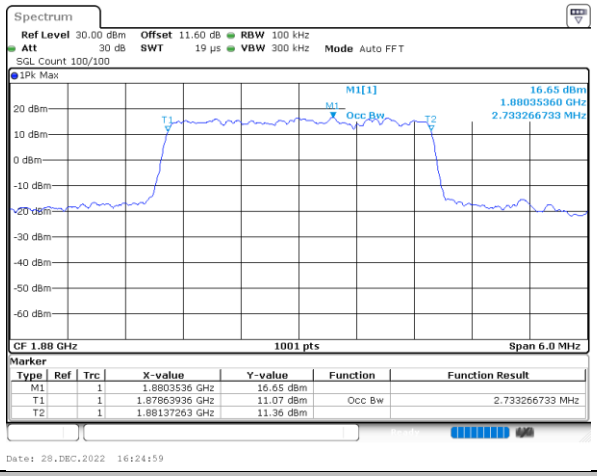


## LTE Band 25

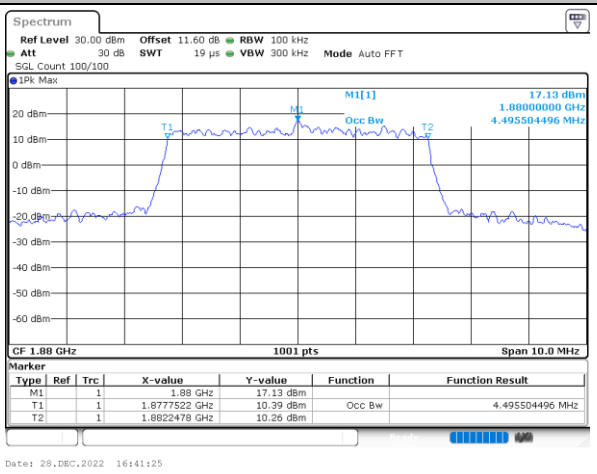
### Middle Channel / 1.4MHz / 64QAM



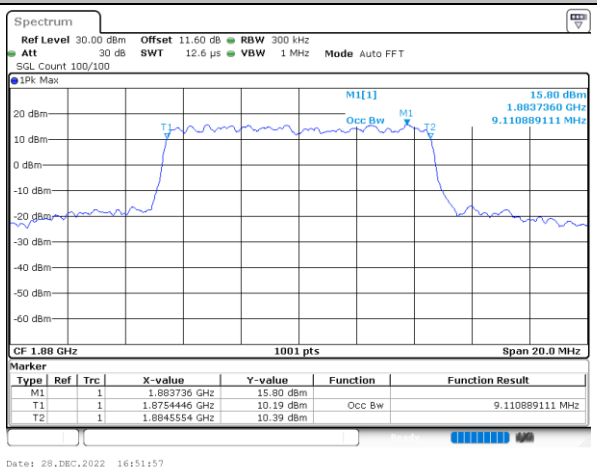

### Middle Channel / 3MHz / 64QAM



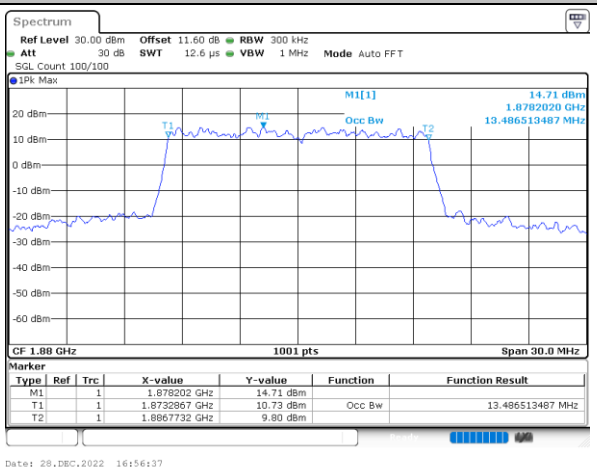

### Middle Channel / 5MHz / 64QAM



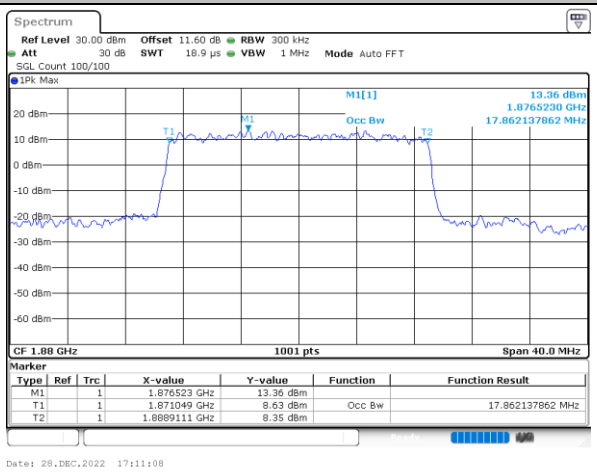

### Middle Channel / 10MHz / 64QAM




### Middle Channel / 15MHz / 64QAM

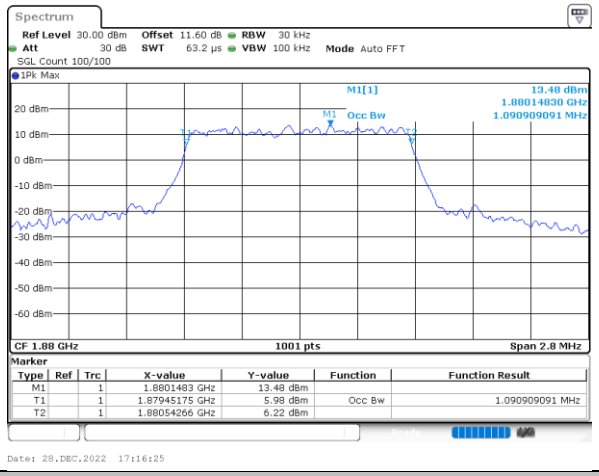



### Middle Channel / 20MHz / 64QAM

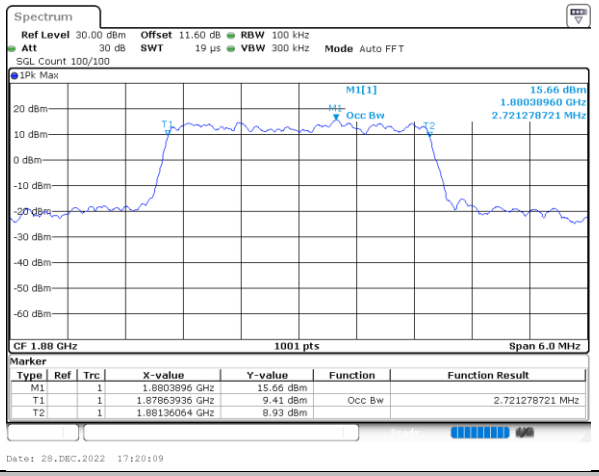


## LTE Band 25

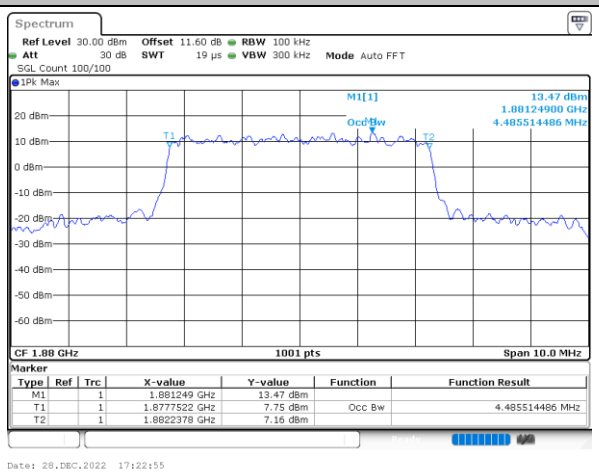
### Middle Channel / 1.4MHz / 256QAM



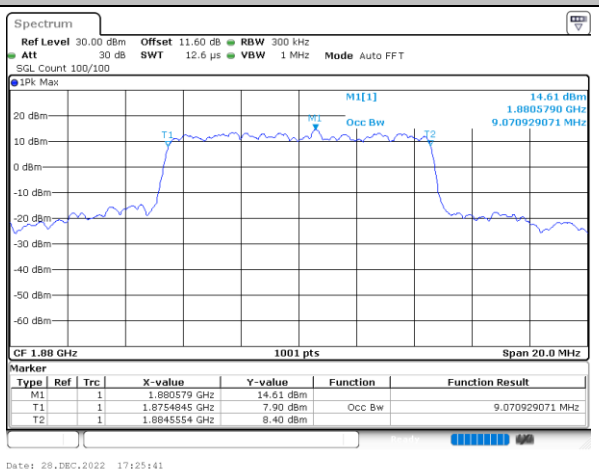

### Middle Channel / 3MHz / 256QAM



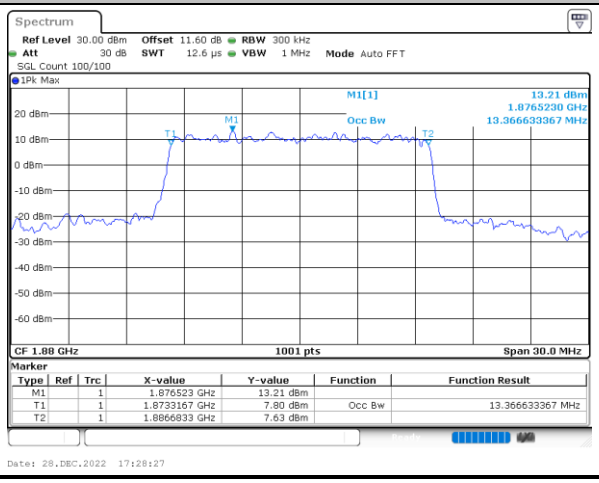

### Middle Channel / 5MHz / 256QAM



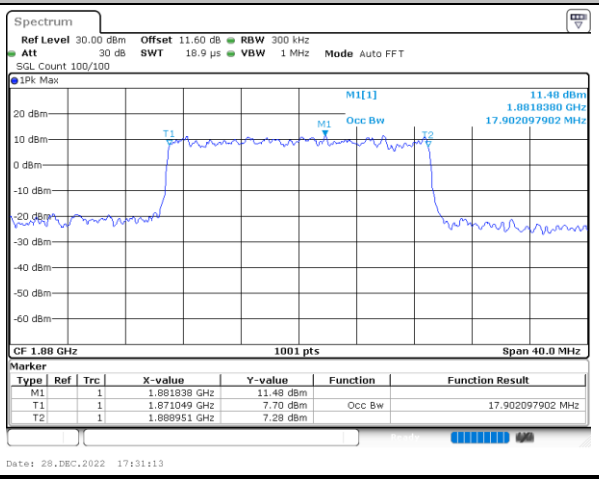

### Middle Channel / 10MHz / 256QAM




### Middle Channel / 15MHz / 256QAM



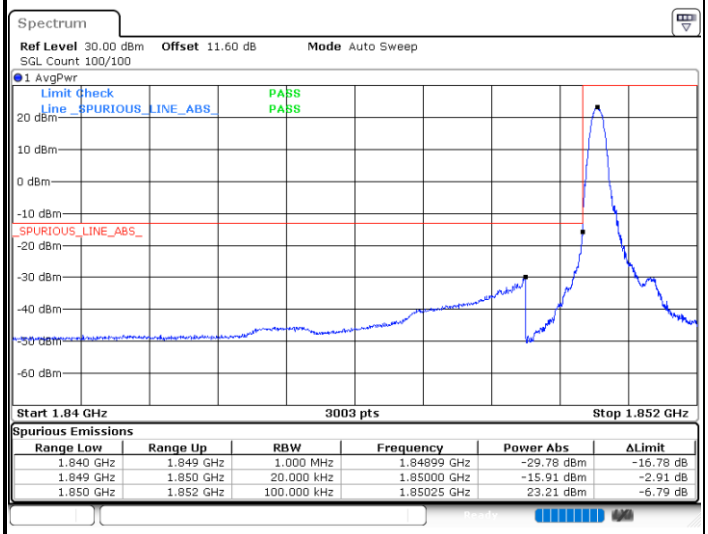

### Middle Channel / 20MHz / 256QAM



# Conducted Band Edge

## LTE Band 25 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB

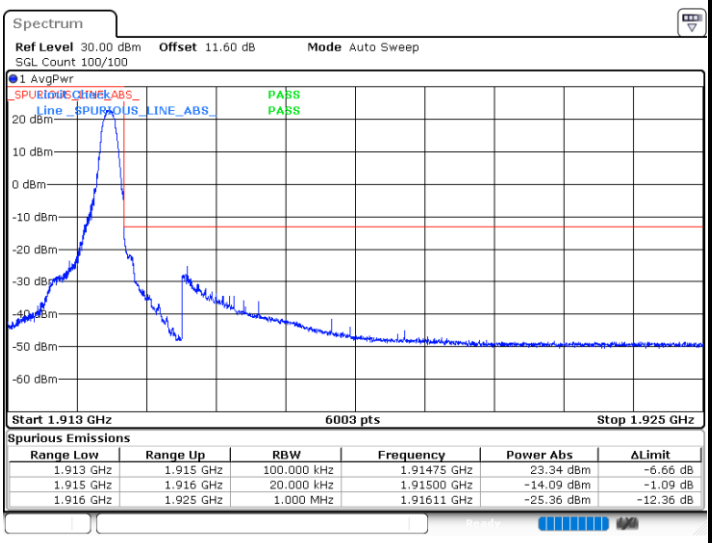



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84899 GHz | -29.78 dBm | -16.78 dB |
| 1.849 GHz | 1.850 GHz | 20.000 kHz | 1.85000 GHz | -15.91 dBm | -2.91 dB |
| 1.850 GHz | 1.852 GHz | 100.000 kHz | 1.85025 GHz | 23.21 dBm | -6.79 dB |

Date: 28.DEC.2022 16:04:08

### Highest Band Edge / 1RB

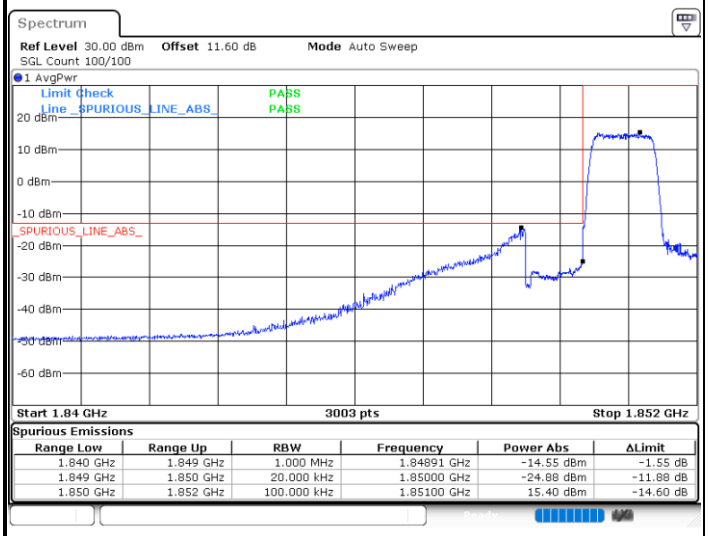



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.913 GHz | 1.915 GHz | 100.000 kHz | 1.91475 GHz | 23.34 dBm | -6.66 dB |
| 1.915 GHz | 1.916 GHz | 20.000 kHz | 1.91500 GHz | -14.09 dBm | -1.09 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91611 GHz | -25.36 dBm | -12.36 dB |

Date: 28.DEC.2022 16:15:35

### Lowest Band Edge / Full RB

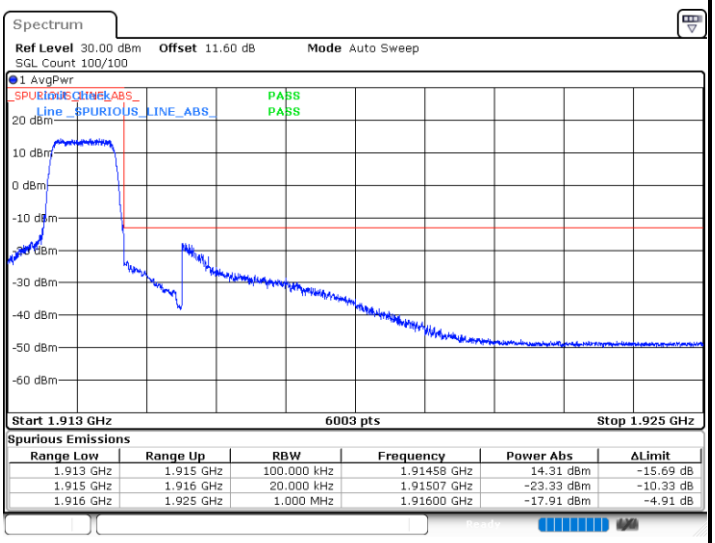



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84891 GHz | -14.55 dBm | -1.55 dB |
| 1.849 GHz | 1.850 GHz | 20.000 kHz | 1.85000 GHz | -24.88 dBm | -11.88 dB |
| 1.850 GHz | 1.852 GHz | 100.000 kHz | 1.85100 GHz | 15.40 dBm | -14.60 dB |

Date: 28.DEC.2022 16:06:05

### Highest Band Edge / Full RB



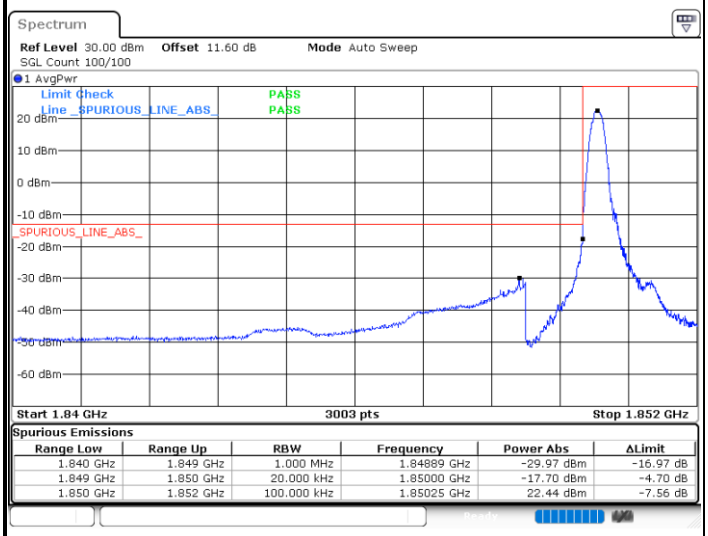

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.913 GHz | 1.915 GHz | 100.000 kHz | 1.91458 GHz | 14.31 dBm | -15.69 dB |
| 1.915 GHz | 1.916 GHz | 20.000 kHz | 1.91507 GHz | -23.33 dBm | -10.33 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91600 GHz | -17.91 dBm | -4.91 dB |

Date: 4.JAN.2023 11:44:34

## LTE Band 25 / 1.4MHz / 16QAM

### Lowest Band Edge / 1 RB

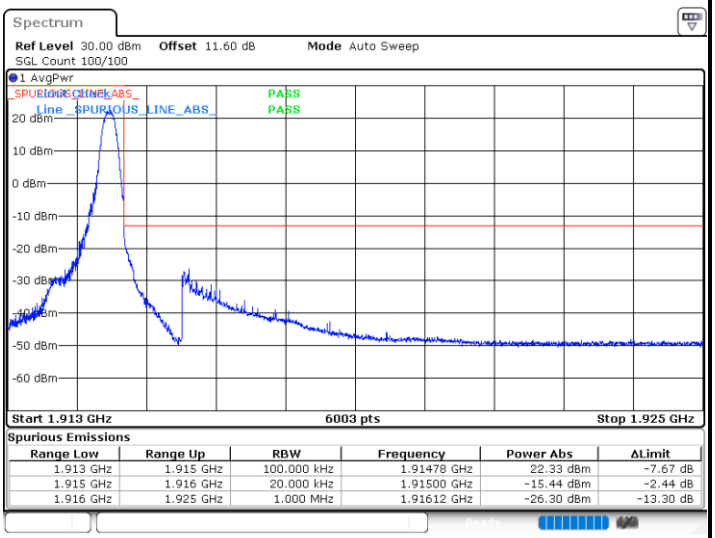



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84889 GHz | -29.97 dBm | -16.97 dB |
| 1.849 GHz | 1.850 GHz | 20.000 kHz | 1.85000 GHz | -17.70 dBm | -4.70 dB |
| 1.850 GHz | 1.852 GHz | 100.000 kHz | 1.85025 GHz | 22.44 dBm | -7.56 dB |

Date: 28.DEC.2022 16:05:06

### Highest Band Edge / 1 RB

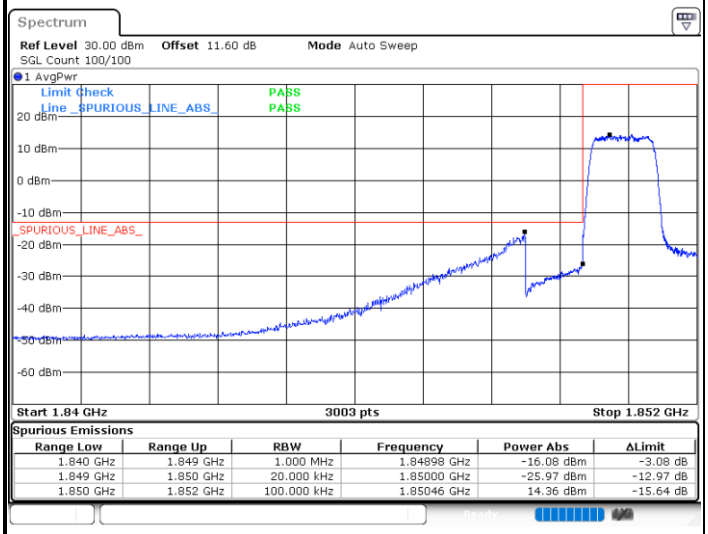



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.913 GHz | 1.915 GHz | 100.000 kHz | 1.91478 GHz | 22.33 dBm | -7.67 dB |
| 1.915 GHz | 1.916 GHz | 20.000 kHz | 1.91500 GHz | -15.44 dBm | -2.44 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91612 GHz | -26.30 dBm | -13.30 dB |

Date: 28.DEC.2022 16:14:36

### Lowest Band Edge / Full RB

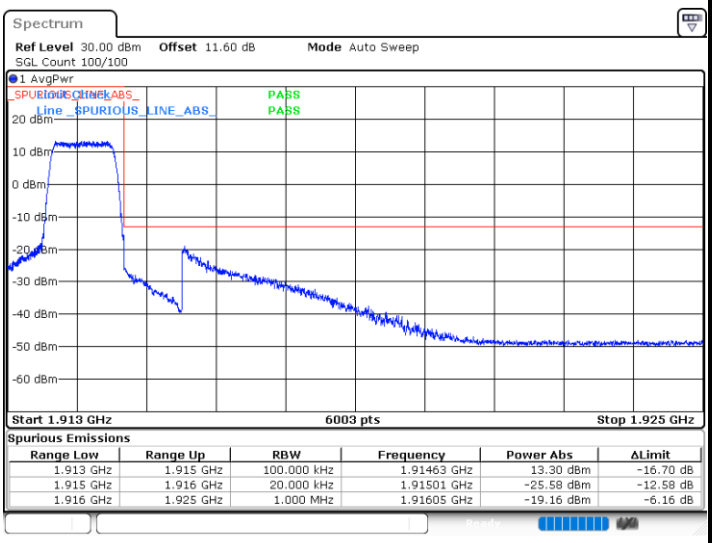



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84898 GHz | -16.08 dBm | -3.08 dB |
| 1.849 GHz | 1.850 GHz | 20.000 kHz | 1.85000 GHz | -25.97 dBm | -12.97 dB |
| 1.850 GHz | 1.852 GHz | 100.000 kHz | 1.85046 GHz | 14.36 dBm | -15.64 dB |

Date: 28.DEC.2022 16:07:04

### Highest Band Edge / Full RB



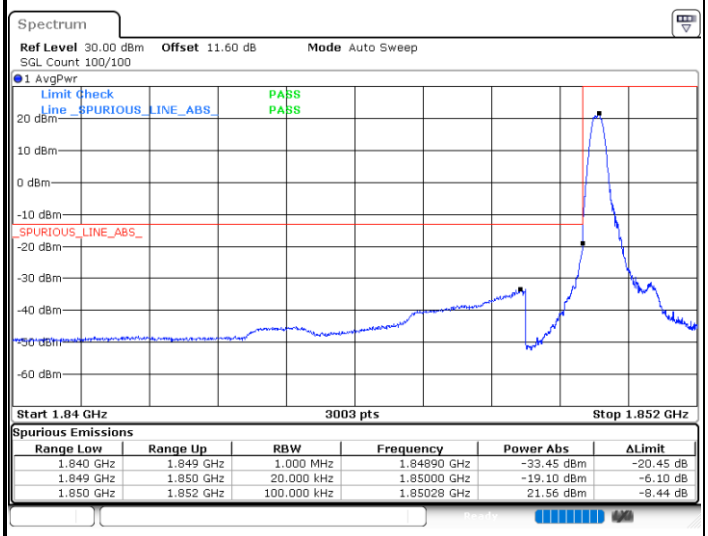

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.913 GHz | 1.915 GHz | 100.000 kHz | 1.91463 GHz | 13.30 dBm | -16.70 dB |
| 1.915 GHz | 1.916 GHz | 20.000 kHz | 1.91501 GHz | -25.58 dBm | -12.58 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91605 GHz | -19.16 dBm | -6.16 dB |

Date: 4.JAN.2023 11:44:05

## LTE Band 25 / 1.4MHz / 64QAM

### Lowest Band Edge / 1 RB

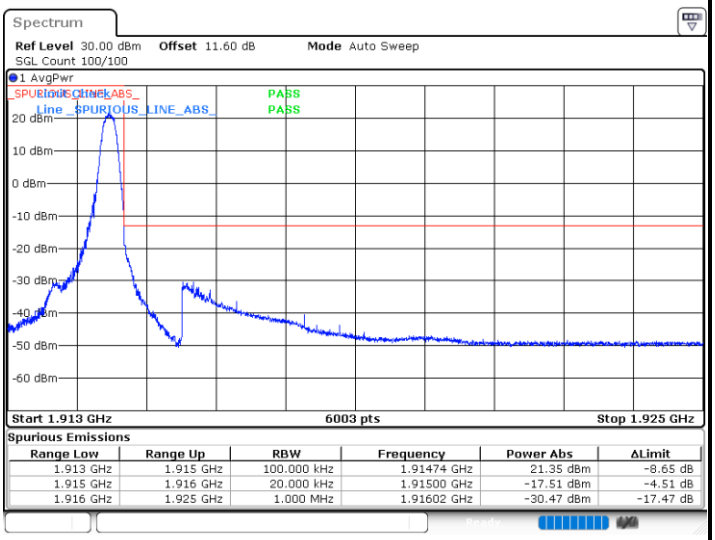



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84890 GHz | -33.45 dBm | -20.45 dB |
| 1.849 GHz | 1.850 GHz | 20.000 kHz | 1.85000 GHz | -19.10 dBm | -6.10 dB |
| 1.850 GHz | 1.852 GHz | 100.000 kHz | 1.85028 GHz | 21.56 dBm | -8.44 dB |

Date: 28.DEC.2022 16:17:52

### Highest Band Edge / 1 RB

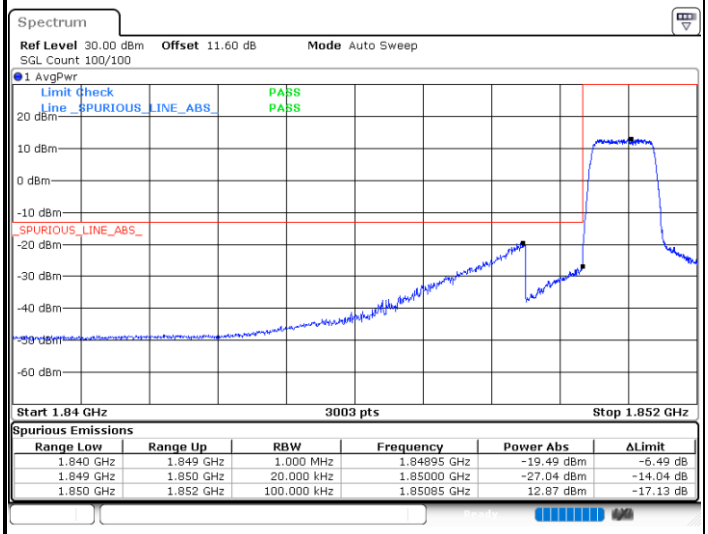



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.913 GHz | 1.915 GHz | 100.000 kHz | 1.91474 GHz | 21.35 dBm | -8.65 dB |
| 1.915 GHz | 1.916 GHz | 20.000 kHz | 1.91500 GHz | -17.51 dBm | -4.51 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91602 GHz | -30.47 dBm | -17.47 dB |

Date: 28.DEC.2022 16:21:31

### Lowest Band Edge / Full RB

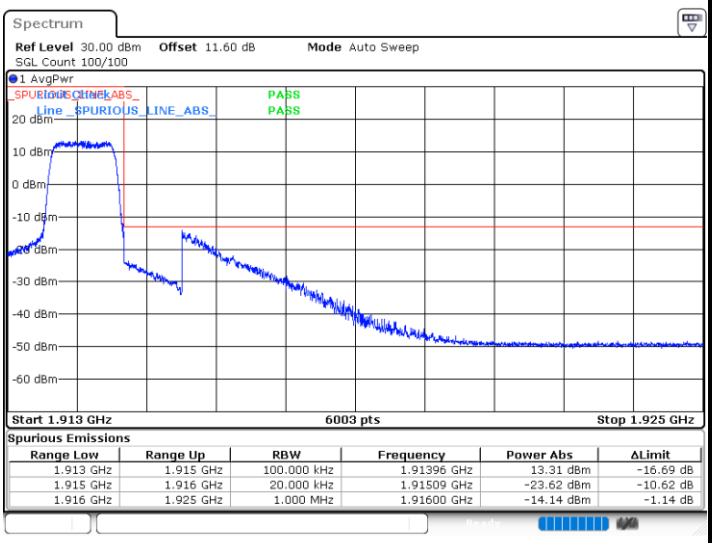



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84895 GHz | -19.49 dBm | -6.49 dB |
| 1.849 GHz | 1.850 GHz | 20.000 kHz | 1.85000 GHz | -27.04 dBm | -14.04 dB |
| 1.850 GHz | 1.852 GHz | 100.000 kHz | 1.85085 GHz | 12.87 dBm | -17.13 dB |

Date: 28.DEC.2022 16:18:51

### Highest Band Edge / Full RB



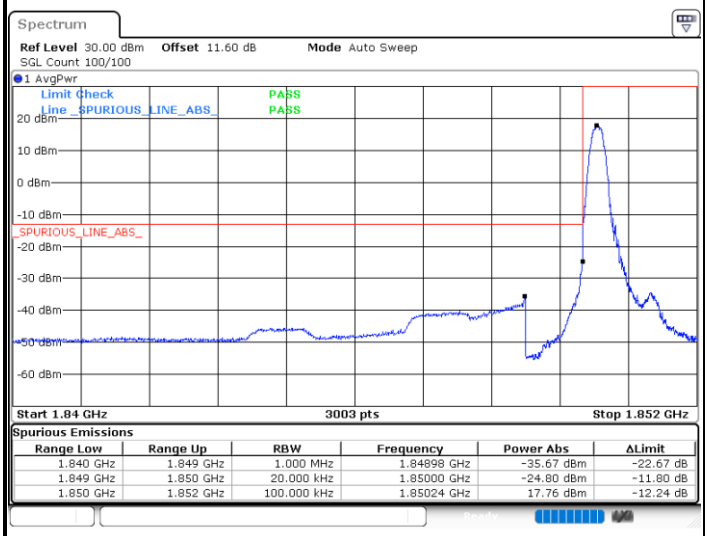

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.913 GHz | 1.915 GHz | 100.000 kHz | 1.91396 GHz | 13.31 dBm | -16.69 dB |
| 1.915 GHz | 1.916 GHz | 20.000 kHz | 1.91509 GHz | -23.62 dBm | -10.62 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91600 GHz | -14.14 dBm | -1.14 dB |

Date: 28.DEC.2022 16:20:33

## LTE Band 25 / 1.4MHz / 256QAM

### Lowest Band Edge / 1 RB

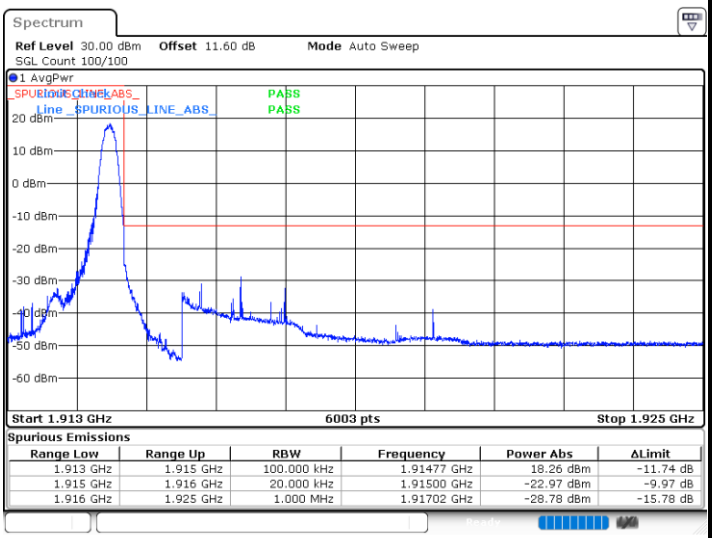



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84898 GHz | -35.67 dBm | -22.67 dB |
| 1.849 GHz | 1.850 GHz | 20.000 kHz | 1.85000 GHz | -24.80 dBm | -11.80 dB |
| 1.850 GHz | 1.852 GHz | 100.000 kHz | 1.85024 GHz | 17.76 dBm | -12.24 dB |

Date: 28.DEC.2022 17:14:56

### Highest Band Edge / 1 RB

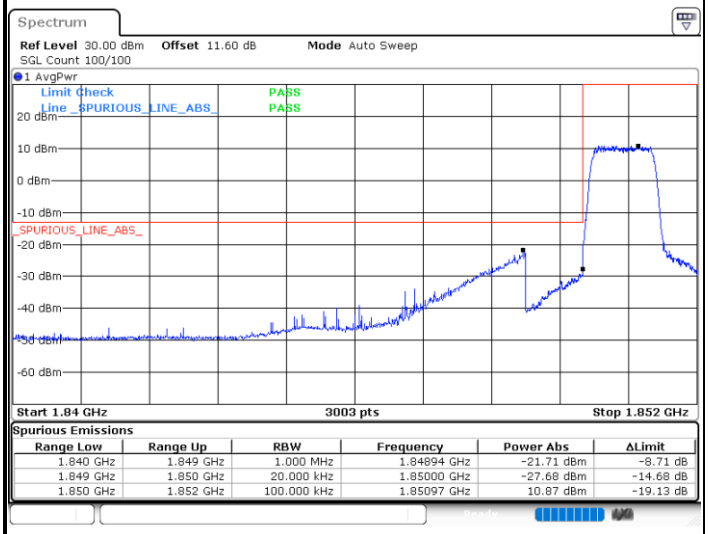



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.913 GHz | 1.915 GHz | 100.000 kHz | 1.91477 GHz | 18.26 dBm | -11.74 dB |
| 1.915 GHz | 1.916 GHz | 20.000 kHz | 1.91500 GHz | -22.97 dBm | -9.97 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91702 GHz | -28.78 dBm | -15.78 dB |

Date: 28.DEC.2022 17:18:36

### Lowest Band Edge / Full RB

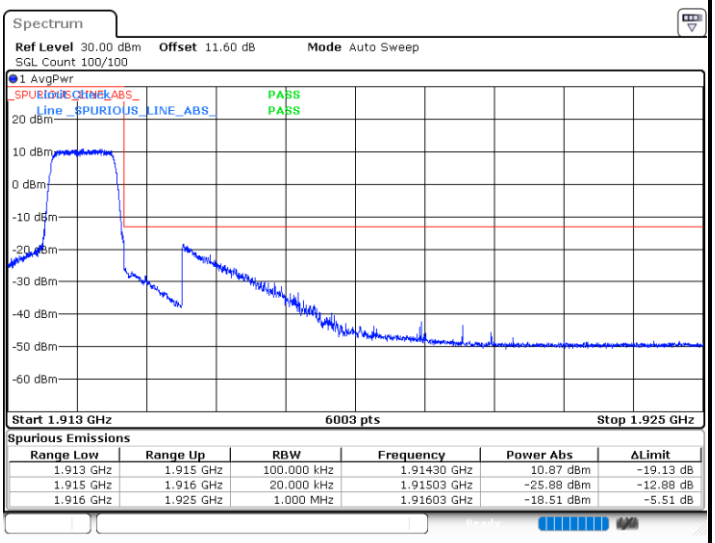



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84894 GHz | -21.71 dBm | -8.71 dB |
| 1.849 GHz | 1.850 GHz | 20.000 kHz | 1.85000 GHz | -27.68 dBm | -14.68 dB |
| 1.850 GHz | 1.852 GHz | 100.000 kHz | 1.85097 GHz | 10.87 dBm | -19.13 dB |

Date: 28.DEC.2022 17:15:55

### Highest Band Edge / Full RB



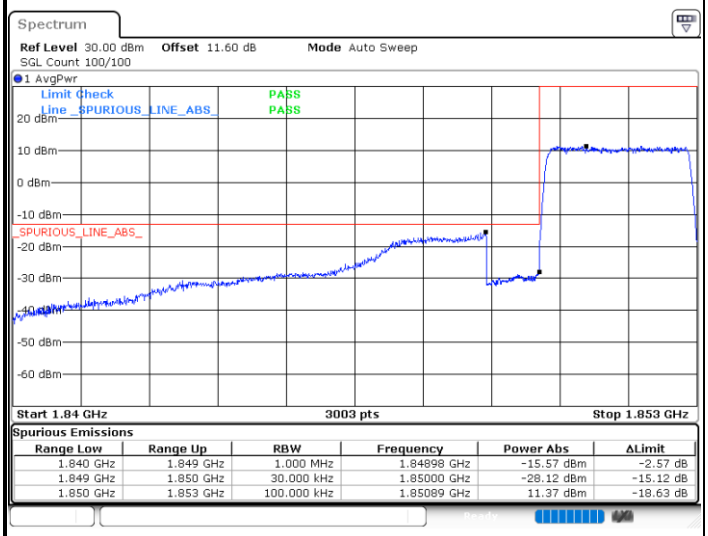

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.913 GHz | 1.915 GHz | 100.000 kHz | 1.91430 GHz | 10.87 dBm | -19.13 dB |
| 1.915 GHz | 1.916 GHz | 20.000 kHz | 1.91503 GHz | -25.88 dBm | -12.88 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91603 GHz | -18.51 dBm | -5.51 dB |

Date: 28.DEC.2022 17:17:37

## LTE Band 25 / 3MHz / QPSK

### Lowest Band Edge / Full RB

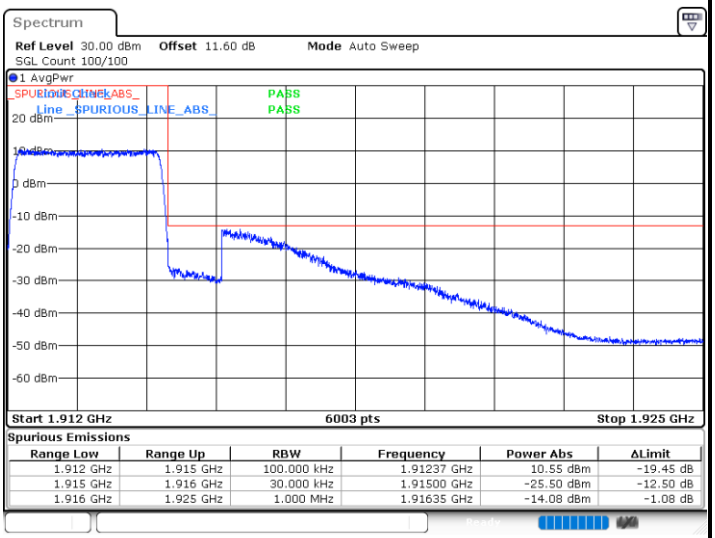



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84898 GHz | -15.57 dBm | -2.57 dB |
| 1.849 GHz | 1.850 GHz | 30.000 kHz | 1.85000 GHz | -28.12 dBm | -15.12 dB |
| 1.850 GHz | 1.853 GHz | 100.000 kHz | 1.85089 GHz | 11.37 dBm | -18.63 dB |

Date: 28.DEC.2022 16:27:10

### Highest Band Edge / Full RB



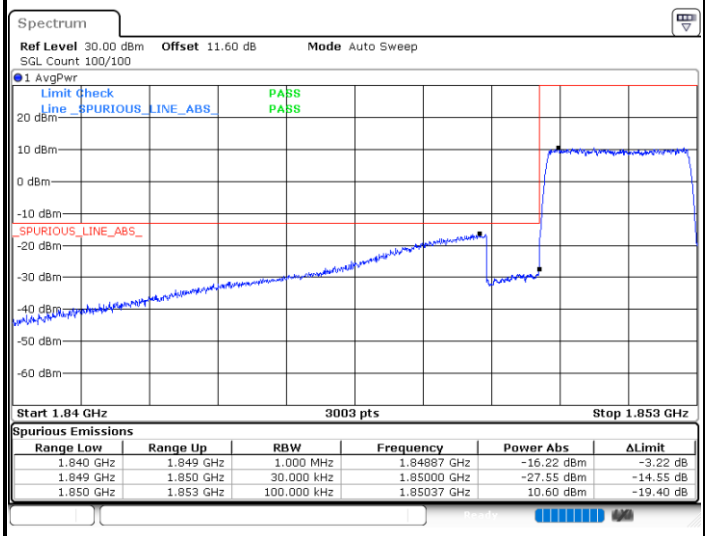

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.912 GHz | 1.915 GHz | 100.000 kHz | 1.91237 GHz | 10.55 dBm | -19.45 dB |
| 1.915 GHz | 1.916 GHz | 30.000 kHz | 1.91500 GHz | -25.50 dBm | -12.50 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91635 GHz | -14.08 dBm | -1.08 dB |

Date: 4.JAN.2023 11:45:27

## LTE Band 25 / 3MHz / 16QAM

### Lowest Band Edge / Full RB

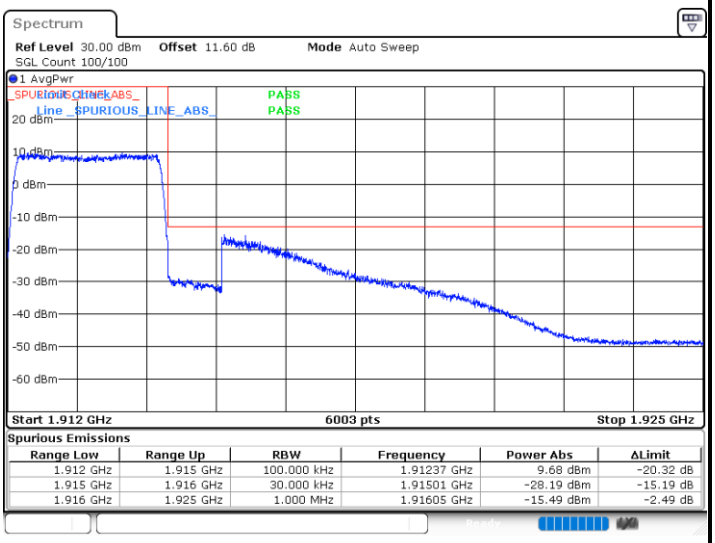



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84887 GHz | -16.22 dBm | -3.22 dB |
| 1.849 GHz | 1.850 GHz | 30.000 kHz | 1.85000 GHz | -27.55 dBm | -14.55 dB |
| 1.850 GHz | 1.853 GHz | 100.000 kHz | 1.85037 GHz | 10.60 dBm | -19.40 dB |

Date: 28.DEC.2022 16:28:09

### Highest Band Edge / Full RB



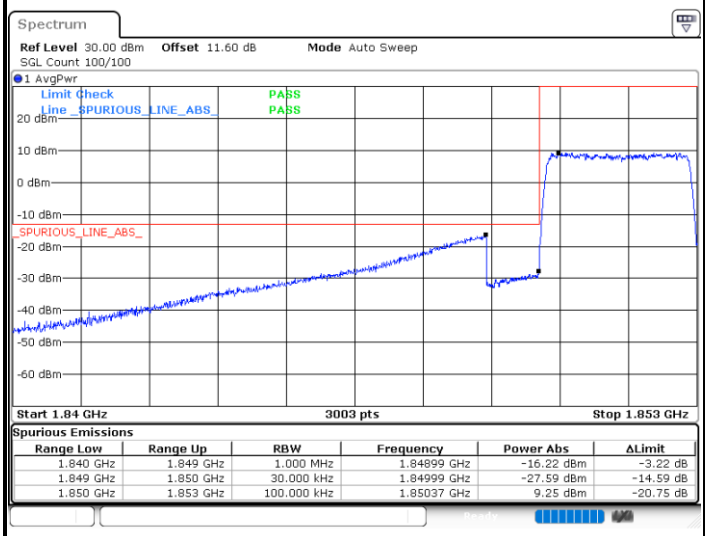

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.912 GHz | 1.915 GHz | 100.000 kHz | 1.91237 GHz | 9.68 dBm | -20.32 dB |
| 1.915 GHz | 1.916 GHz | 30.000 kHz | 1.91501 GHz | -28.19 dBm | -15.19 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91605 GHz | -15.49 dBm | -2.49 dB |

Date: 4.JAN.2023 11:46:17

## LTE Band 25 / 3MHz / 64QAM

### Lowest Band Edge / Full RB

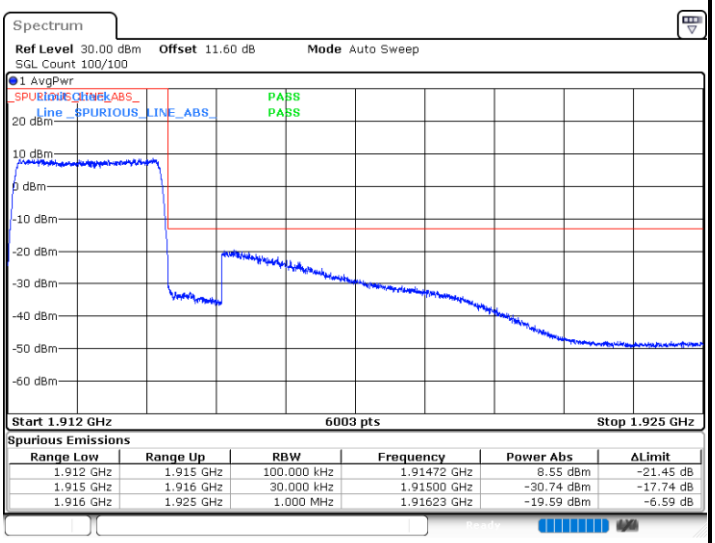



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84899 GHz | -16.22 dBm | -3.22 dB |
| 1.849 GHz | 1.850 GHz | 30.000 kHz | 1.84999 GHz | -27.59 dBm | -14.59 dB |
| 1.850 GHz | 1.853 GHz | 100.000 kHz | 1.85037 GHz | 9.25 dBm | -20.75 dB |

Date: 28.DEC.2022 16:24:30

### Highest Band Edge / Full RB



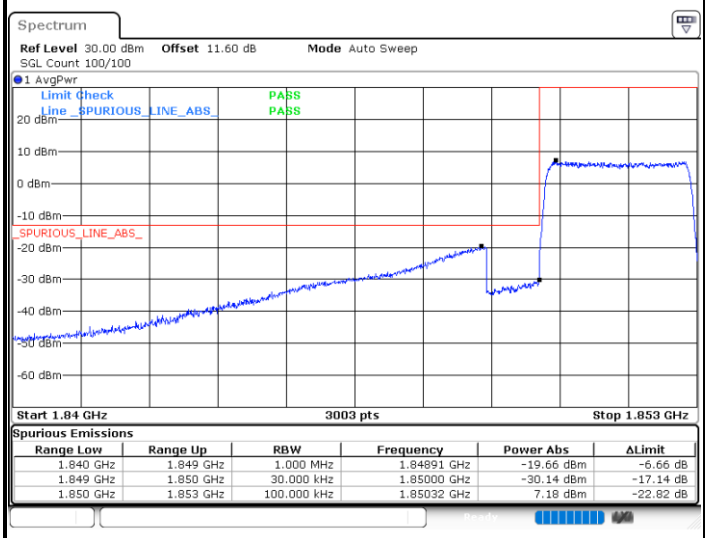

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.912 GHz | 1.915 GHz | 100.000 kHz | 1.91472 GHz | 8.55 dBm | -21.45 dB |
| 1.915 GHz | 1.916 GHz | 30.000 kHz | 1.91500 GHz | -30.74 dBm | -17.74 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91623 GHz | -19.59 dBm | -6.59 dB |

Date: 4.JAN.2023 11:46:54

## LTE Band 25 / 3MHz / 256QAM

### Lowest Band Edge / Full RB

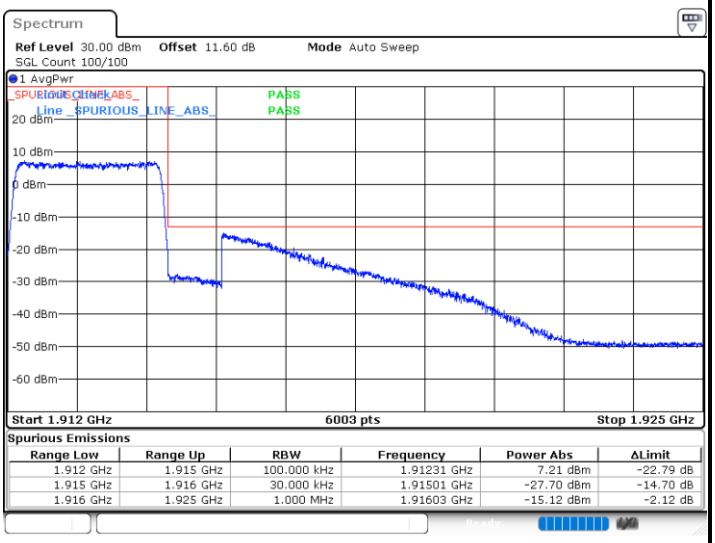



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84891 GHz | -19.66 dBm | -6.66 dB |
| 1.849 GHz | 1.850 GHz | 30.000 kHz | 1.85000 GHz | -30.14 dBm | -17.14 dB |
| 1.850 GHz | 1.853 GHz | 100.000 kHz | 1.85032 GHz | 7.18 dBm | -22.82 dB |

Date: 28.DEC.2022 17:19:40

### Highest Band Edge / Full RB



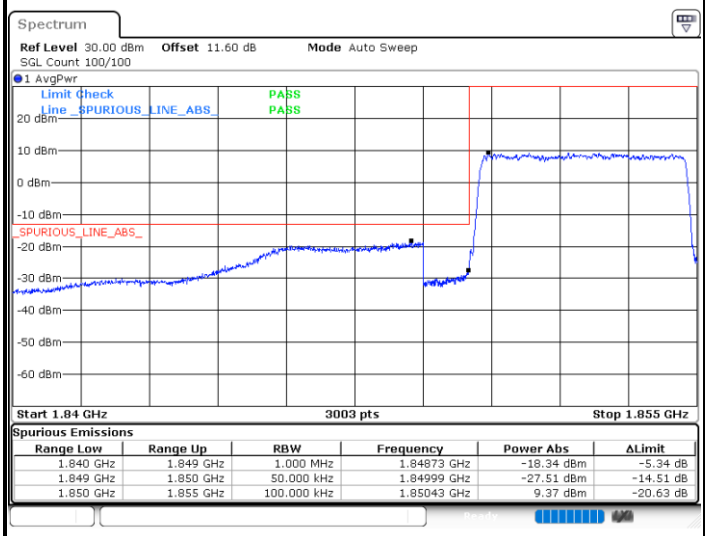

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.912 GHz | 1.915 GHz | 100.000 kHz | 1.91231 GHz | 7.21 dBm | -22.79 dB |
| 1.915 GHz | 1.916 GHz | 30.000 kHz | 1.91501 GHz | -27.70 dBm | -14.70 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91603 GHz | -15.12 dBm | -2.12 dB |

Date: 28.DEC.2022 17:21:22

## LTE Band 25 / 5MHz / QPSK

### Lowest Band Edge / Full RB

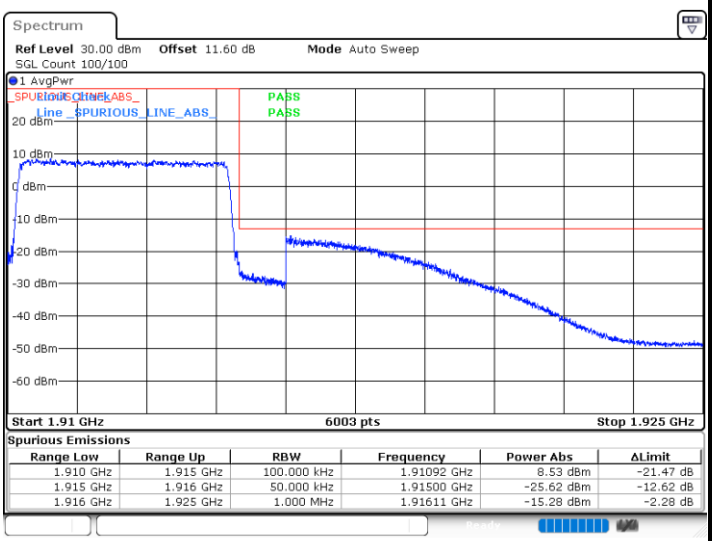



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84873 GHz | -18.34 dBm | -5.34 dB |
| 1.849 GHz | 1.850 GHz | 50.000 kHz | 1.84999 GHz | -27.51 dBm | -14.51 dB |
| 1.850 GHz | 1.855 GHz | 100.000 kHz | 1.85043 GHz | 9.37 dBm | -20.63 dB |

Date: 28.DEC.2022 16:35:02

### Highest Band Edge / Full RB



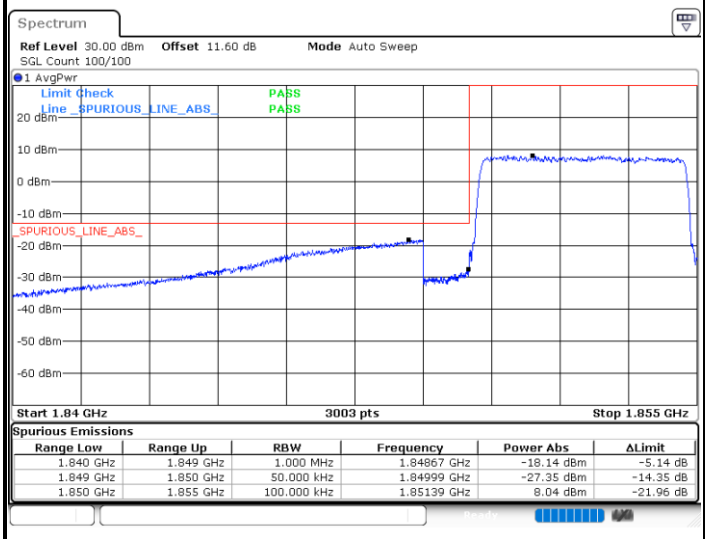

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.910 GHz | 1.915 GHz | 100.000 kHz | 1.91092 GHz | 8.53 dBm | -21.47 dB |
| 1.915 GHz | 1.916 GHz | 50.000 kHz | 1.91500 GHz | -25.62 dBm | -12.62 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91611 GHz | -15.28 dBm | -2.28 dB |

Date: 4.JAN.2023 11:47:26

## LTE Band 25 / 5MHz / 16QAM

### Lowest Band Edge / Full RB

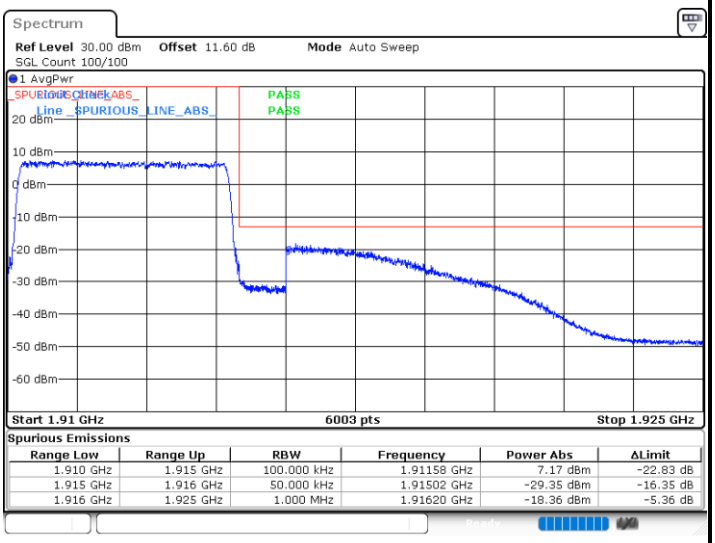



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84867 GHz | -18.14 dBm | -5.14 dB |
| 1.849 GHz | 1.850 GHz | 50.000 kHz | 1.84999 GHz | -27.35 dBm | -14.35 dB |
| 1.850 GHz | 1.855 GHz | 100.000 kHz | 1.85139 GHz | 8.04 dBm | -21.96 dB |

Date: 28.DEC.2022 16:36:01

### Highest Band Edge / Full RB



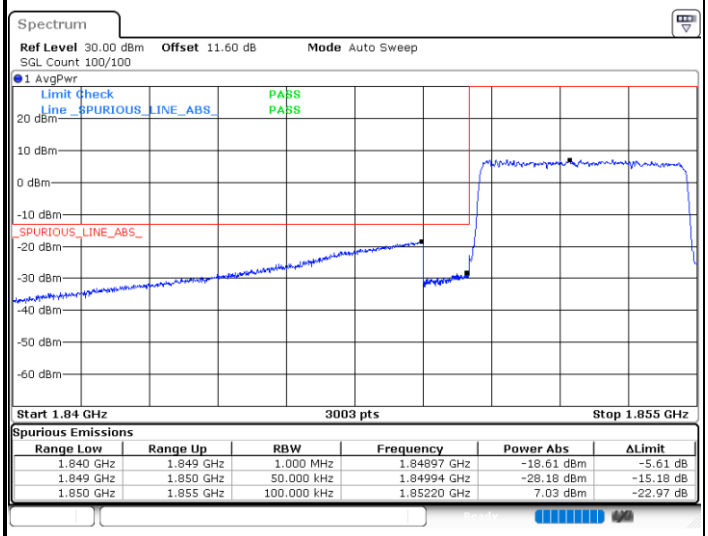

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.910 GHz | 1.915 GHz | 100.000 kHz | 1.91158 GHz | 7.17 dBm | -22.83 dB |
| 1.915 GHz | 1.916 GHz | 50.000 kHz | 1.91502 GHz | -29.35 dBm | -16.35 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91620 GHz | -18.36 dBm | -5.36 dB |

Date: 4.JAN.2023 11:48:04

## LTE Band 25 / 5MHz / 64QAM

### Lowest Band Edge / Full RB

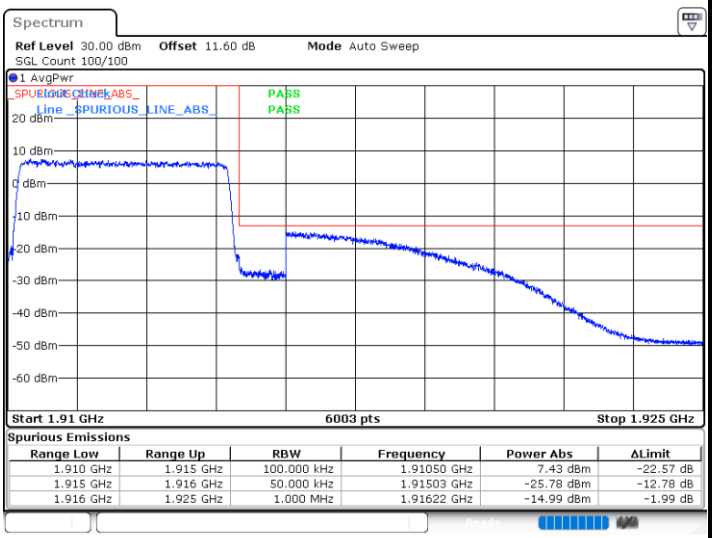



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84897 GHz | -18.61 dBm | -5.61 dB |
| 1.849 GHz | 1.850 GHz | 50.000 kHz | 1.84994 GHz | -28.18 dBm | -15.18 dB |
| 1.850 GHz | 1.855 GHz | 100.000 kHz | 1.85220 GHz | 7.03 dBm | -22.97 dB |

Date: 28.DEC.2022 16:40:55

### Highest Band Edge / Full RB



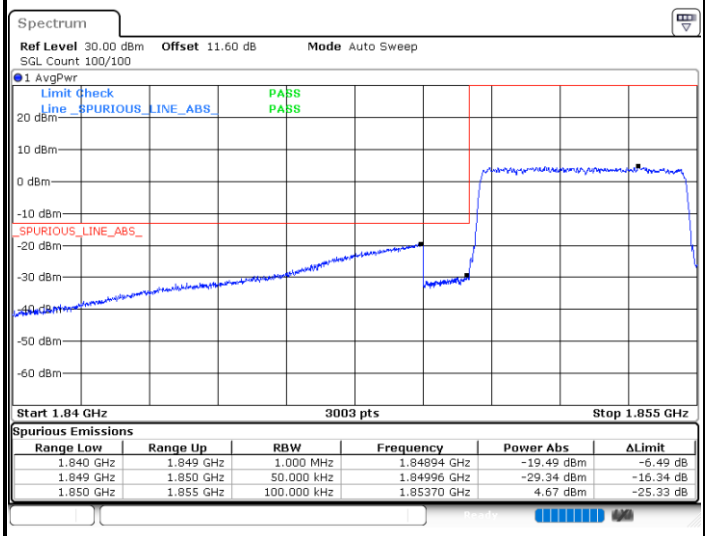

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.910 GHz | 1.915 GHz | 100.000 kHz | 1.91050 GHz | 7.43 dBm | -22.57 dB |
| 1.915 GHz | 1.916 GHz | 50.000 kHz | 1.91503 GHz | -25.78 dBm | -12.78 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91622 GHz | -14.99 dBm | -1.99 dB |

Date: 28.DEC.2022 16:42:37

## LTE Band 25 / 5MHz / 256QAM

### Lowest Band Edge / Full RB

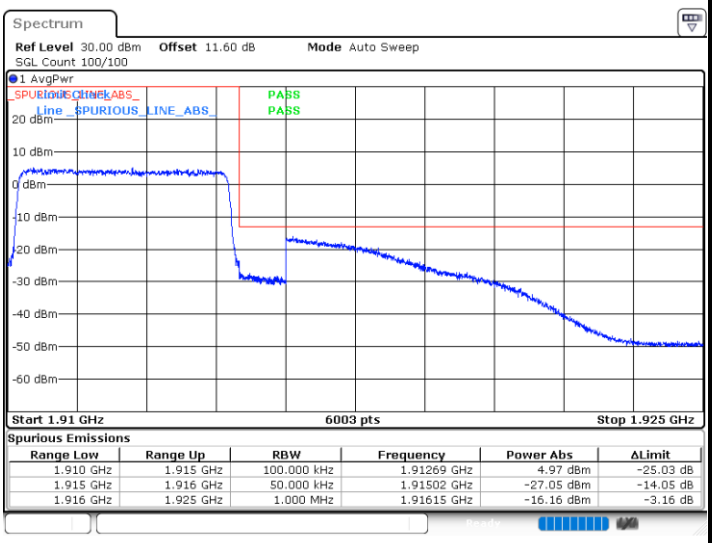



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84894 GHz | -19.49 dBm | -6.49 dB |
| 1.849 GHz | 1.850 GHz | 50.000 kHz | 1.84996 GHz | -29.34 dBm | -16.34 dB |
| 1.850 GHz | 1.855 GHz | 100.000 kHz | 1.85370 GHz | 4.67 dBm | -25.33 dB |

Date: 28.DEC.2022 17:22:26

### Highest Band Edge / Full RB



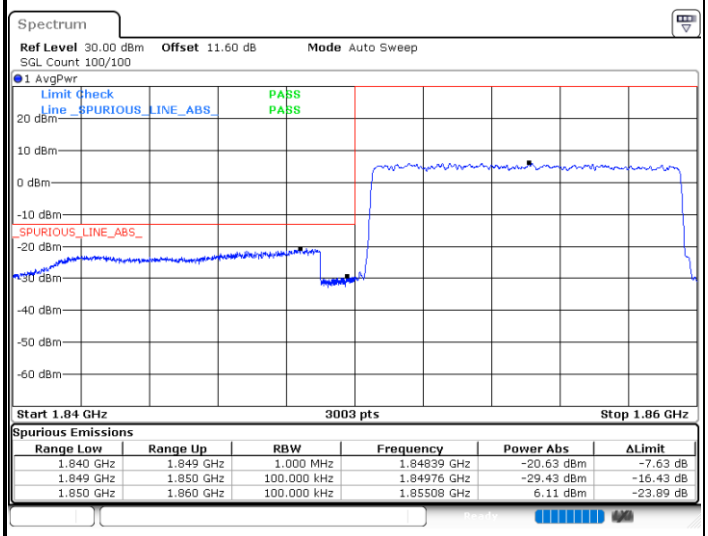

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.910 GHz | 1.915 GHz | 100.000 kHz | 1.91269 GHz | 4.97 dBm | -25.03 dB |
| 1.915 GHz | 1.916 GHz | 50.000 kHz | 1.91502 GHz | -27.05 dBm | -14.05 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91615 GHz | -16.16 dBm | -3.16 dB |

Date: 28.DEC.2022 17:24:08

## LTE Band 25 / 10MHz / QPSK

### Lowest Band Edge / Full RB

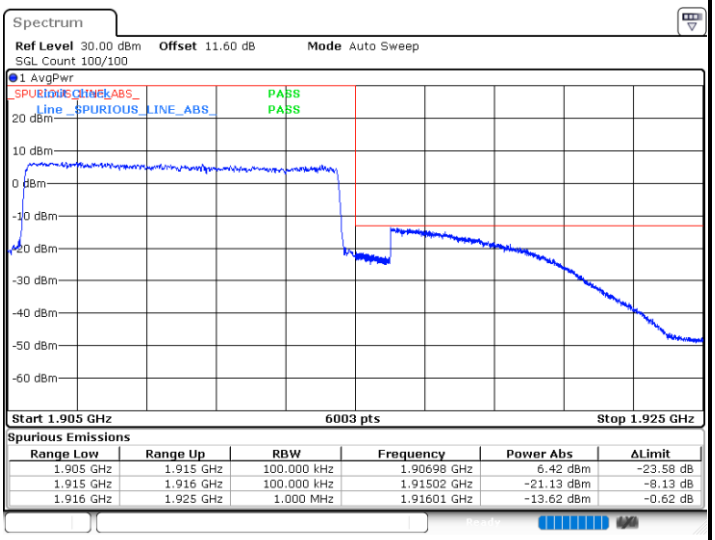



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84839 GHz | -20.63 dBm | -7.63 dB |
| 1.849 GHz | 1.850 GHz | 100.000 kHz | 1.84976 GHz | -29.43 dBm | -16.43 dB |
| 1.850 GHz | 1.860 GHz | 100.000 kHz | 1.85508 GHz | 6.11 dBm | -23.89 dB |

Date: 28.DEC.2022 16:45:35

### Highest Band Edge / Full RB



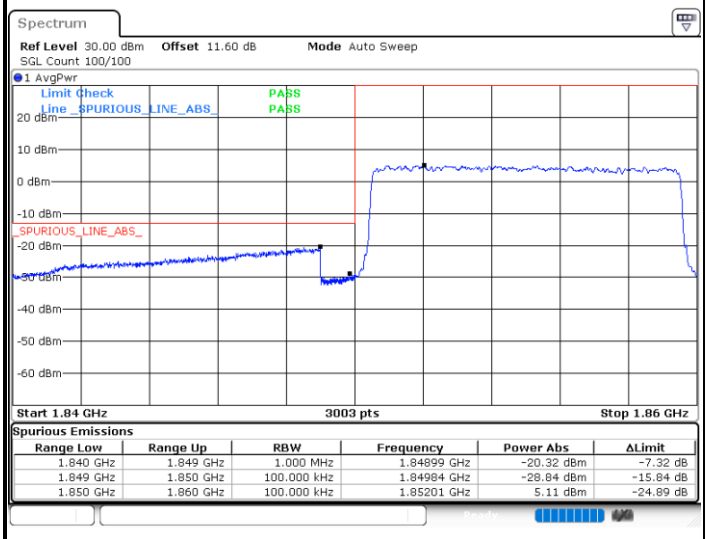

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.905 GHz | 1.915 GHz | 100.000 kHz | 1.90698 GHz | 6.42 dBm | -23.58 dB |
| 1.915 GHz | 1.916 GHz | 100.000 kHz | 1.91502 GHz | -21.13 dBm | -8.13 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91601 GHz | -13.62 dBm | -0.62 dB |

Date: 28.DEC.2022 16:49:30

## LTE Band 25 / 10MHz / 16QAM

### Lowest Band Edge / Full RB

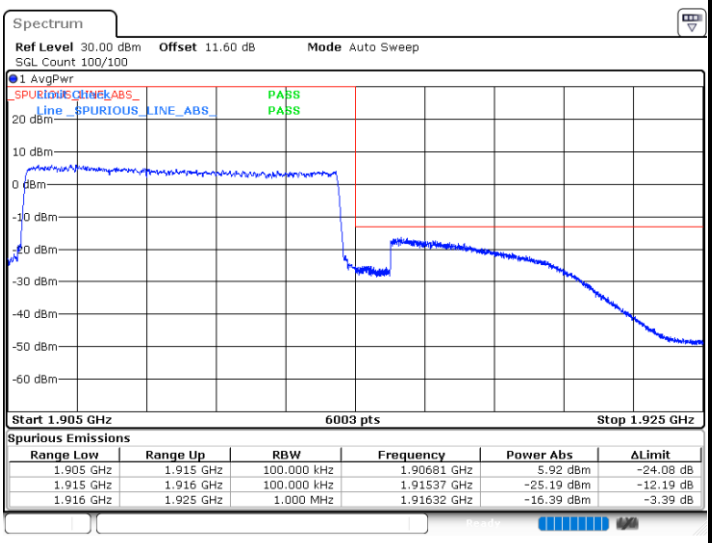



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84899 GHz | -20.32 dBm | -7.32 dB |
| 1.849 GHz | 1.850 GHz | 100.000 kHz | 1.84984 GHz | -28.84 dBm | -15.84 dB |
| 1.850 GHz | 1.860 GHz | 100.000 kHz | 1.85201 GHz | 5.11 dBm | -24.89 dB |

Date: 28.DEC.2022 16:46:34

### Highest Band Edge / Full RB



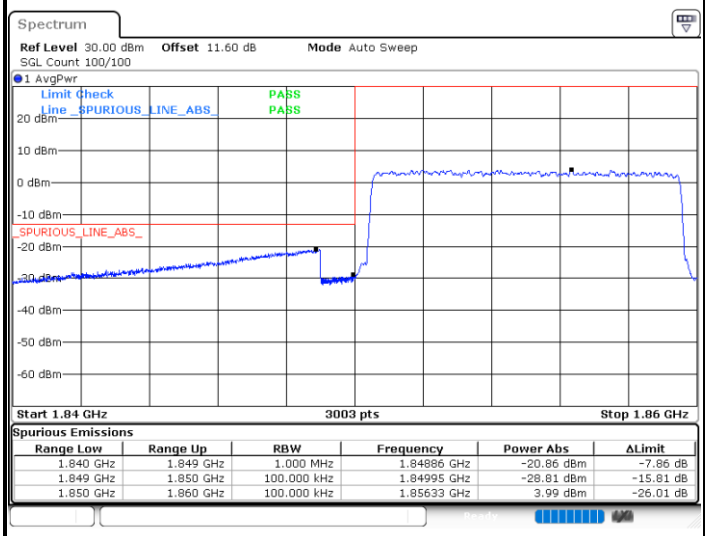

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.905 GHz | 1.915 GHz | 100.000 kHz | 1.90681 GHz | 5.92 dBm | -24.08 dB |
| 1.915 GHz | 1.916 GHz | 100.000 kHz | 1.91537 GHz | -25.19 dBm | -12.19 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91632 GHz | -16.39 dBm | -3.39 dB |

Date: 28.DEC.2022 16:50:29

## LTE Band 25 / 10MHz / 64QAM

### Lowest Band Edge / Full RB

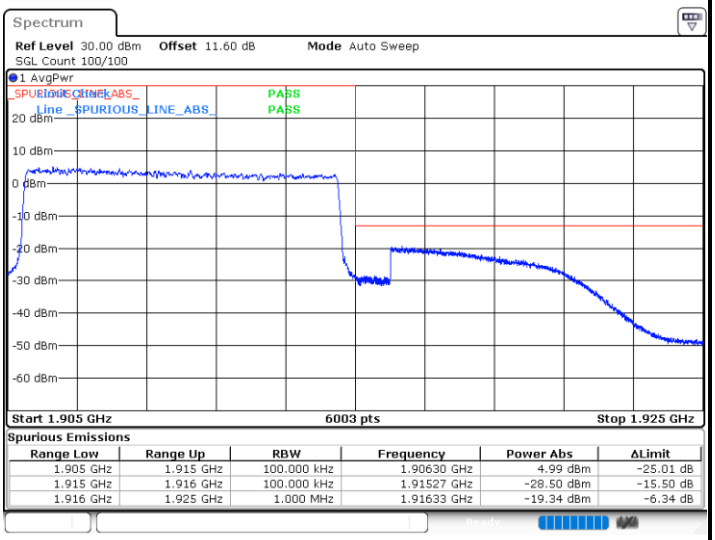



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84886 GHz | -20.86 dBm | -7.86 dB |
| 1.849 GHz | 1.850 GHz | 100.000 kHz | 1.84995 GHz | -28.81 dBm | -15.81 dB |
| 1.850 GHz | 1.860 GHz | 100.000 kHz | 1.85633 GHz | 3.99 dBm | -26.01 dB |

Date: 28.DEC.2022 16:51:28

### Highest Band Edge / Full RB



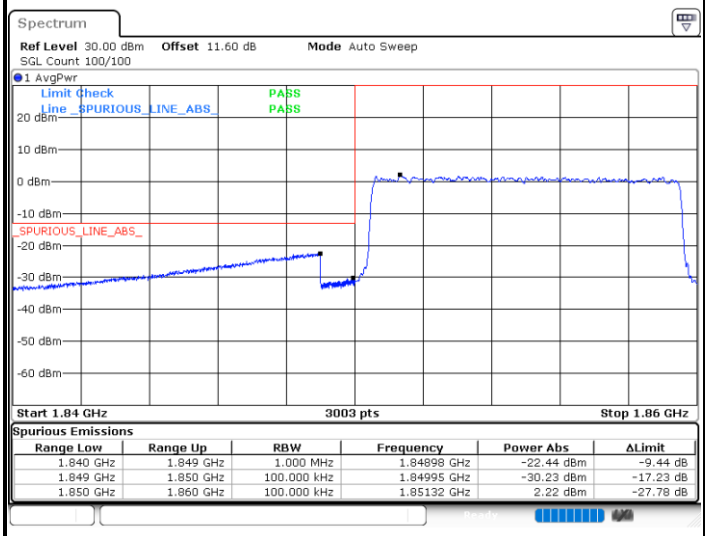

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.905 GHz | 1.915 GHz | 100.000 kHz | 1.90630 GHz | 4.99 dBm | -25.01 dB |
| 1.915 GHz | 1.916 GHz | 100.000 kHz | 1.91527 GHz | -28.50 dBm | -15.50 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91633 GHz | -19.34 dBm | -6.34 dB |

Date: 28.DEC.2022 16:53:10

## LTE Band 25 / 10MHz / 256QAM

### Lowest Band Edge / Full RB

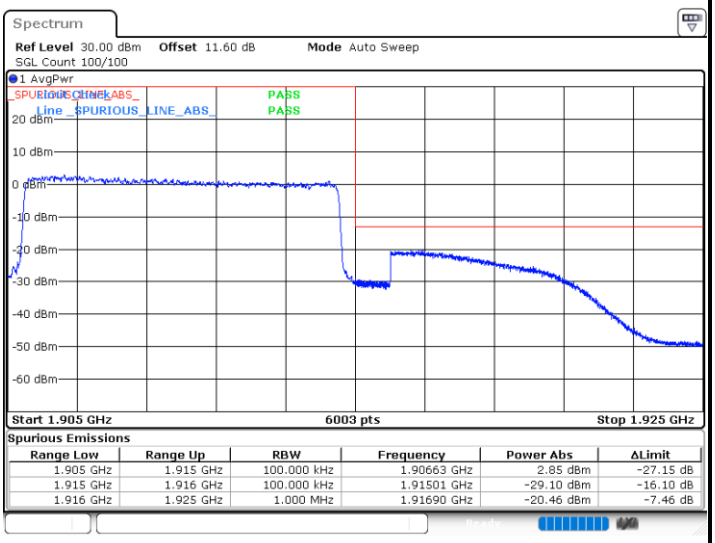



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84898 GHz | -22.44 dBm | -9.44 dB |
| 1.849 GHz | 1.850 GHz | 100.000 kHz | 1.84995 GHz | -30.23 dBm | -17.23 dB |
| 1.850 GHz | 1.860 GHz | 100.000 kHz | 1.85132 GHz | 2.22 dBm | -27.78 dB |

Date: 28.DEC.2022 17:25:12

### Highest Band Edge / Full RB



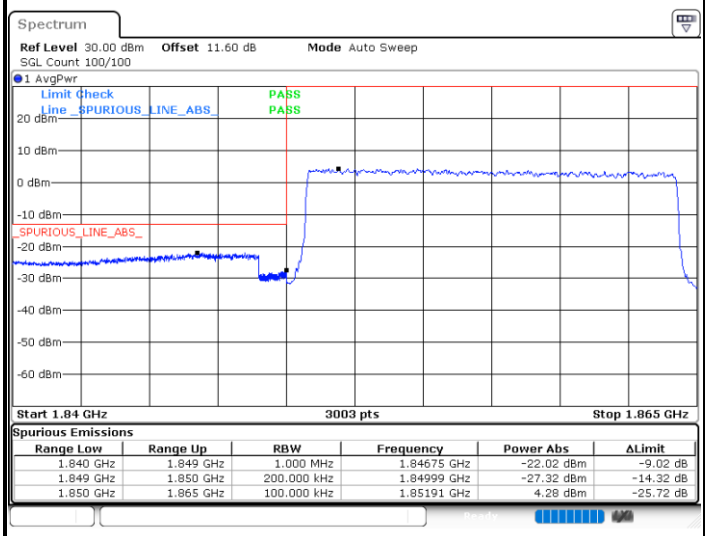

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.905 GHz | 1.915 GHz | 100.000 kHz | 1.90663 GHz | 2.85 dBm | -27.15 dB |
| 1.915 GHz | 1.916 GHz | 100.000 kHz | 1.91501 GHz | -29.10 dBm | -16.10 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91690 GHz | -20.46 dBm | -7.46 dB |

Date: 28.DEC.2022 17:26:54

## LTE Band 25 / 15MHz / QPSK

### Lowest Band Edge / Full RB

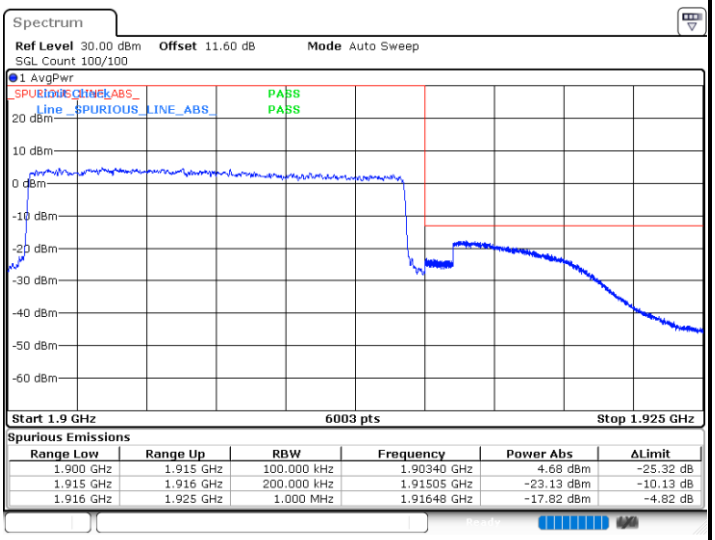



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84675 GHz | -22.02 dBm | -9.02 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.84999 GHz | -27.32 dBm | -14.32 dB |
| 1.850 GHz | 1.865 GHz | 100.000 kHz | 1.85191 GHz | 4.28 dBm | -25.72 dB |

Date: 28.DEC.2022 16:58:48

### Highest Band Edge / Full RB



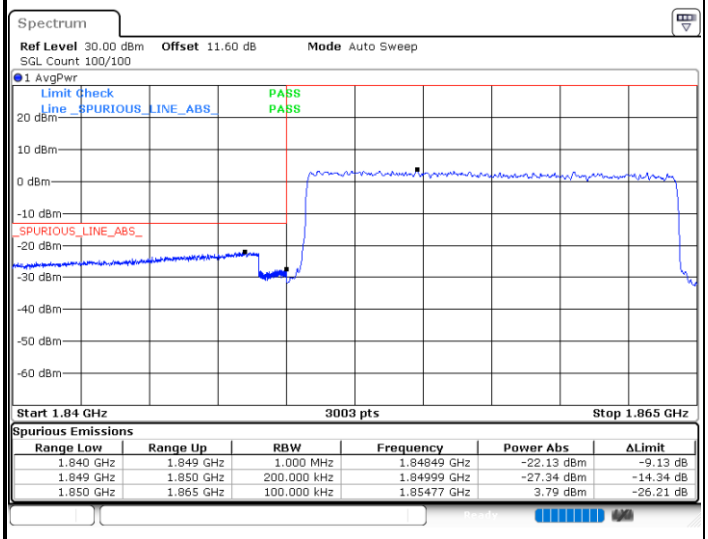

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.900 GHz | 1.915 GHz | 100.000 kHz | 1.90340 GHz | 4.68 dBm | -25.32 dB |
| 1.915 GHz | 1.916 GHz | 200.000 kHz | 1.91505 GHz | -23.13 dBm | -10.13 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91648 GHz | -17.82 dBm | -4.82 dB |

Date: 28.DEC.2022 17:02:43

## LTE Band 25 / 15MHz / 16QAM

### Lowest Band Edge / Full RB

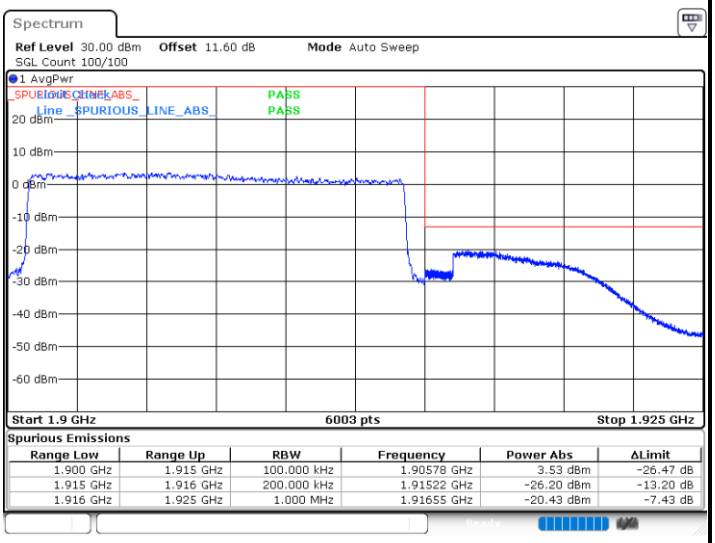



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84849 GHz | -22.13 dBm | -9.13 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.84999 GHz | -27.34 dBm | -14.34 dB |
| 1.850 GHz | 1.865 GHz | 100.000 kHz | 1.85477 GHz | 3.79 dBm | -26.21 dB |

Date: 28.DEC.2022 16:59:47

### Highest Band Edge / Full RB



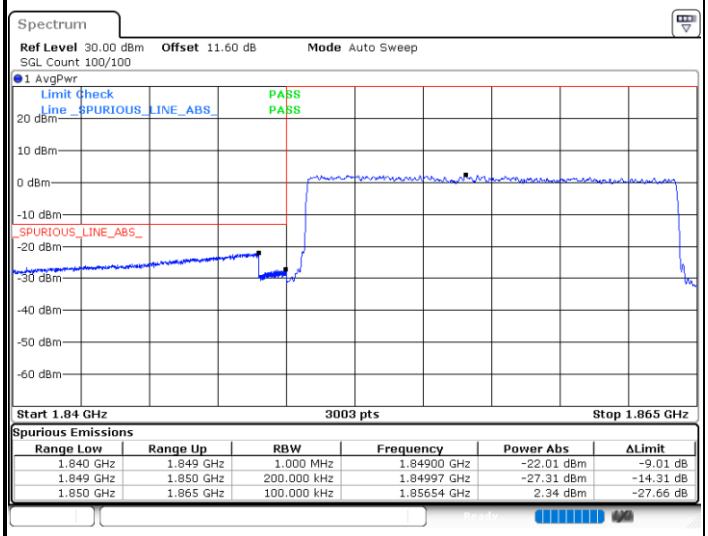

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.900 GHz | 1.915 GHz | 100.000 kHz | 1.90578 GHz | 3.53 dBm | -26.47 dB |
| 1.915 GHz | 1.916 GHz | 200.000 kHz | 1.91522 GHz | -26.20 dBm | -13.20 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91655 GHz | -20.43 dBm | -7.43 dB |

Date: 28.DEC.2022 17:03:42

## LTE Band 25 / 15MHz / 64QAM

### Lowest Band Edge / Full RB

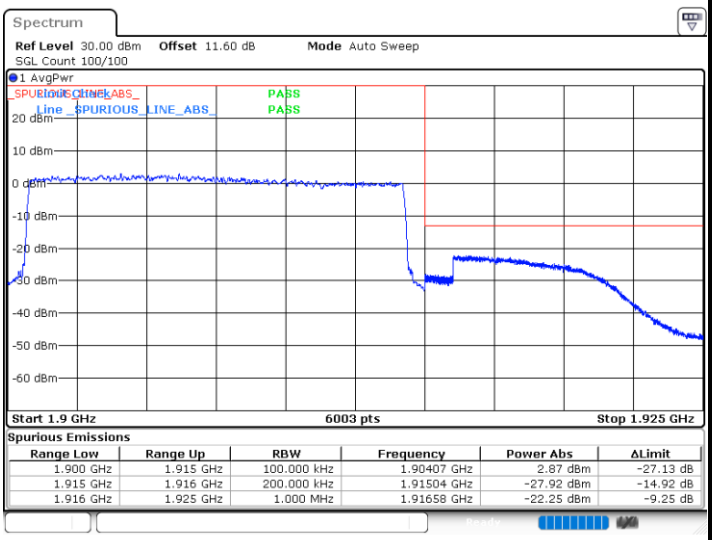



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84900 GHz | -22.01 dBm | -9.01 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.84997 GHz | -27.31 dBm | -14.31 dB |
| 1.850 GHz | 1.865 GHz | 100.000 kHz | 1.85654 GHz | 2.34 dBm | -27.66 dB |

Date: 28.DEC.2022 16:56:08

### Highest Band Edge / Full RB



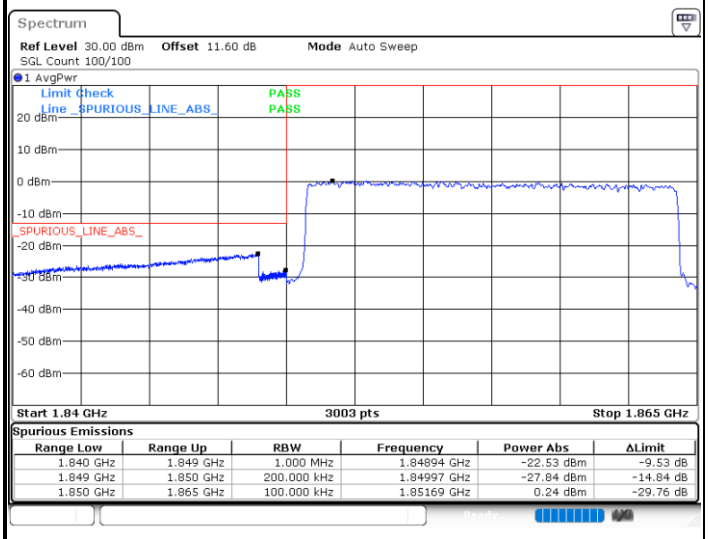

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.900 GHz | 1.915 GHz | 100.000 kHz | 1.90407 GHz | 2.87 dBm | -27.13 dB |
| 1.915 GHz | 1.916 GHz | 200.000 kHz | 1.91504 GHz | -27.92 dBm | -14.92 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91658 GHz | -22.25 dBm | -9.25 dB |

Date: 28.DEC.2022 16:57:50

## LTE Band 25 / 15MHz / 256QAM

### Lowest Band Edge / Full RB

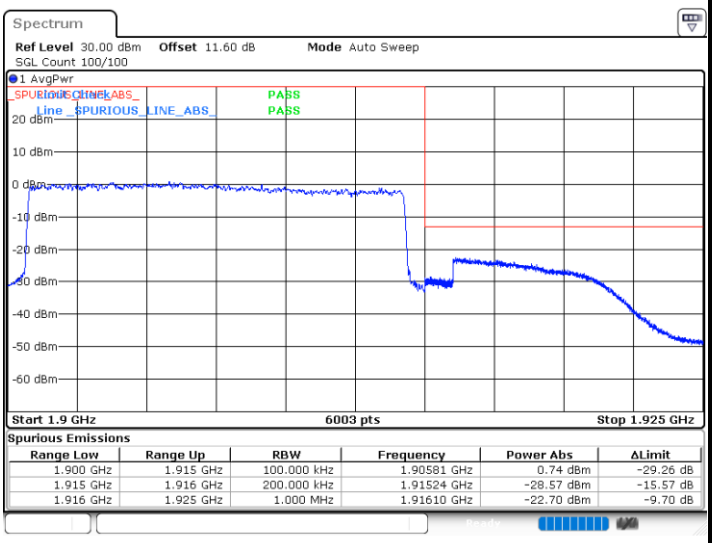



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84894 GHz | -22.53 dBm | -9.53 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.84997 GHz | -27.84 dBm | -14.84 dB |
| 1.850 GHz | 1.865 GHz | 100.000 kHz | 1.85169 GHz | 0.24 dBm | -29.76 dB |

Date: 28.DEC.2022 17:27:58

### Highest Band Edge / Full RB



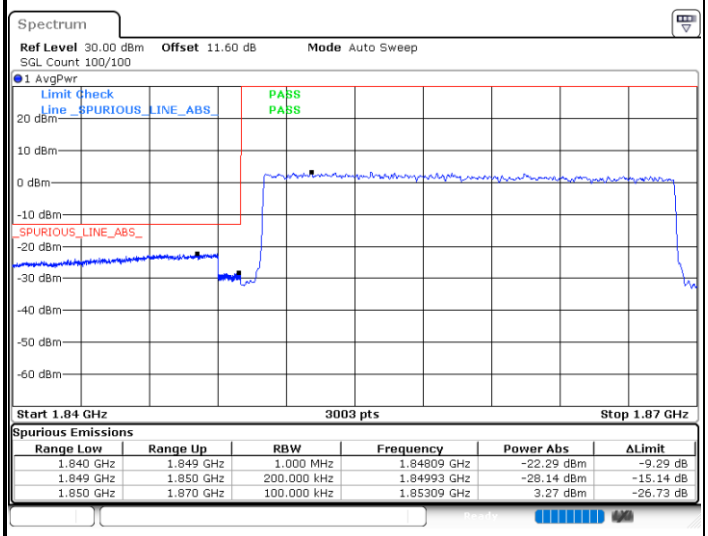

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.900 GHz | 1.915 GHz | 100.000 kHz | 1.90581 GHz | 0.74 dBm | -29.26 dB |
| 1.915 GHz | 1.916 GHz | 200.000 kHz | 1.91524 GHz | -28.57 dBm | -15.57 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91610 GHz | -22.70 dBm | -9.70 dB |

Date: 28.DEC.2022 17:29:40

## LTE Band 25 / 20MHz / QPSK

### Lowest Band Edge / Full RB

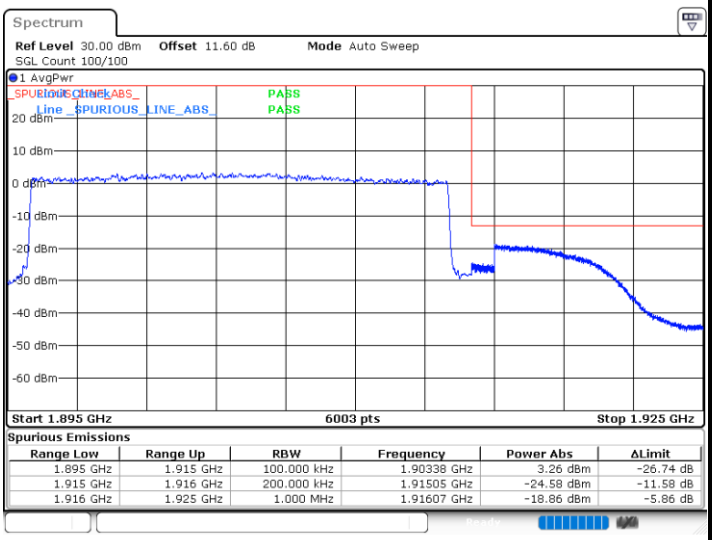



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84809 GHz | -22.29 dBm | -9.29 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.84993 GHz | -28.14 dBm | -15.14 dB |
| 1.850 GHz | 1.870 GHz | 100.000 kHz | 1.85309 GHz | 3.27 dBm | -26.73 dB |

Date: 28.DEC.2022 17:04:46

### Highest Band Edge / Full RB



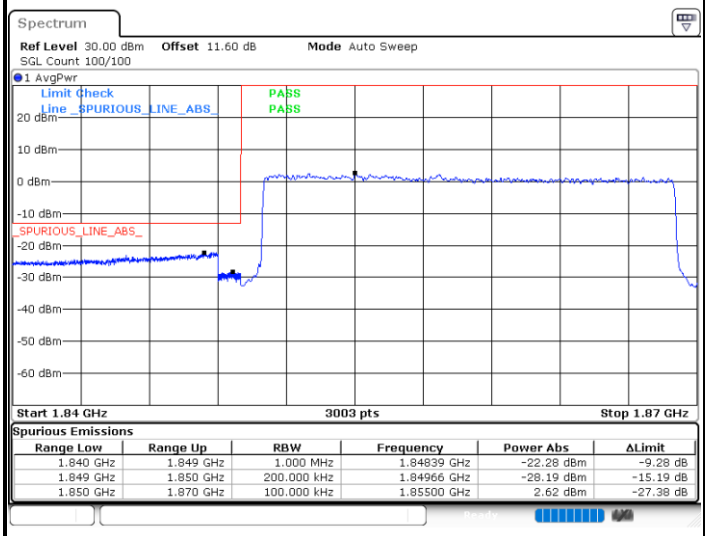

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.895 GHz | 1.915 GHz | 100.000 kHz | 1.90338 GHz | 3.26 dBm | -26.74 dB |
| 1.915 GHz | 1.916 GHz | 200.000 kHz | 1.91505 GHz | -24.58 dBm | -11.58 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91607 GHz | -18.86 dBm | -5.86 dB |

Date: 28.DEC.2022 17:08:41

## LTE Band 25 / 20MHz / 16QAM

### Lowest Band Edge / Full RB

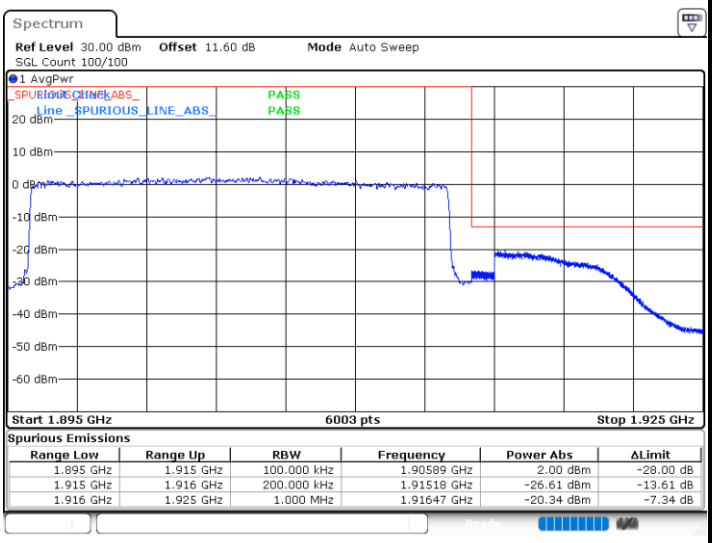



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84839 GHz | -22.28 dBm | -9.28 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.84966 GHz | -28.19 dBm | -15.19 dB |
| 1.850 GHz | 1.870 GHz | 100.000 kHz | 1.85500 GHz | 2.62 dBm | -27.38 dB |

Date: 28.DEC.2022 17:05:45

### Highest Band Edge / Full RB



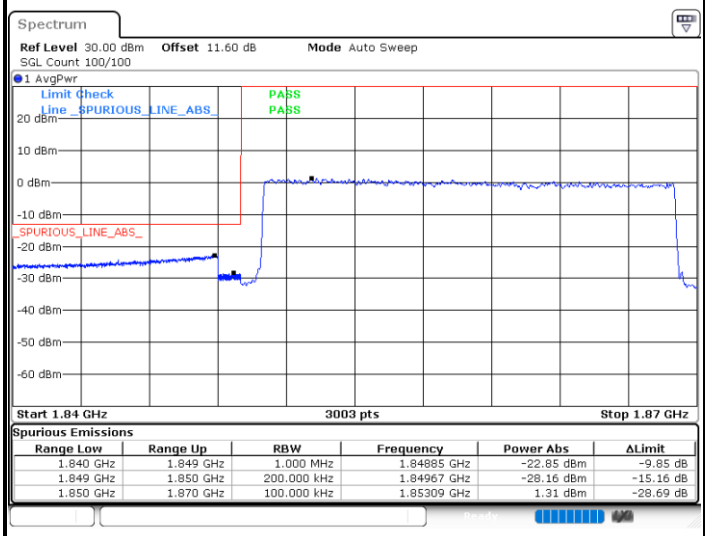

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.895 GHz | 1.915 GHz | 100.000 kHz | 1.90589 GHz | 2.00 dBm | -28.00 dB |
| 1.915 GHz | 1.916 GHz | 200.000 kHz | 1.91518 GHz | -26.61 dBm | -13.61 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91647 GHz | -20.34 dBm | -7.34 dB |

Date: 28.DEC.2022 17:09:40

## LTE Band 25 / 20MHz / 64QAM

### Lowest Band Edge / Full RB

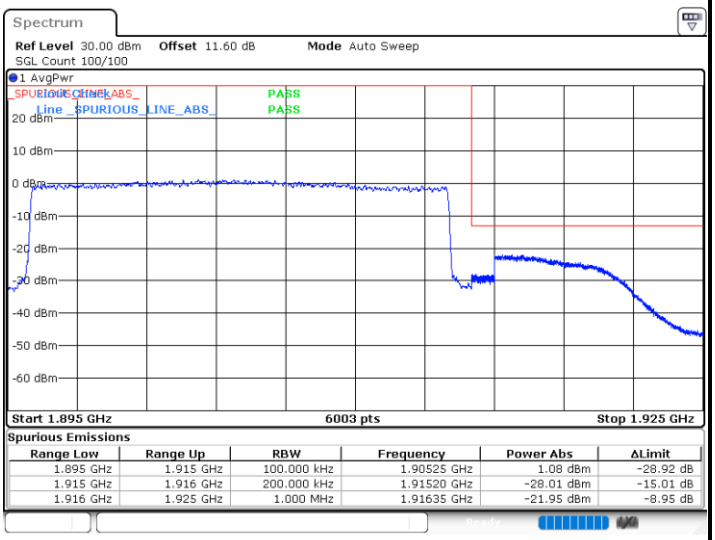



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84885 GHz | -22.85 dBm | -9.85 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.84967 GHz | -28.16 dBm | -15.16 dB |
| 1.850 GHz | 1.870 GHz | 100.000 kHz | 1.85309 GHz | 1.31 dBm | -28.69 dB |

Date: 28.DEC.2022 17:10:38

### Highest Band Edge / Full RB



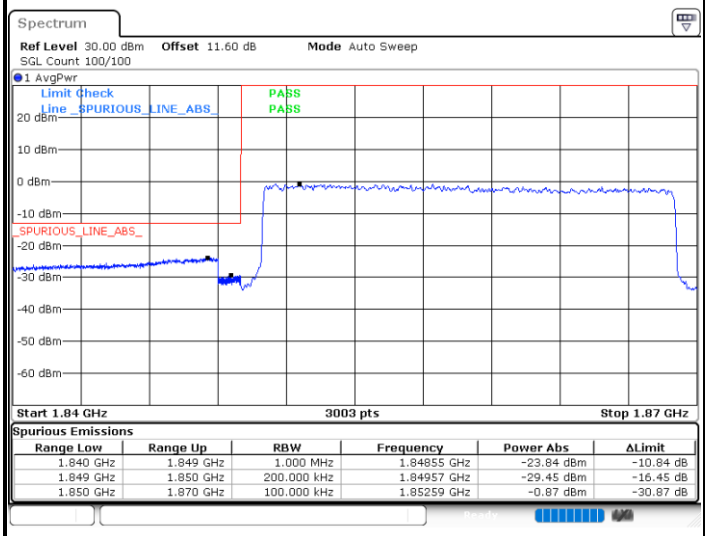

Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.895 GHz | 1.915 GHz | 100.000 kHz | 1.90525 GHz | 1.08 dBm | -28.92 dB |
| 1.915 GHz | 1.916 GHz | 200.000 kHz | 1.91520 GHz | -28.01 dBm | -15.01 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91635 GHz | -21.95 dBm | -8.95 dB |

Date: 28.DEC.2022 17:12:20

## LTE Band 25 / 20MHz / 256QAM

### Lowest Band Edge / Full RB

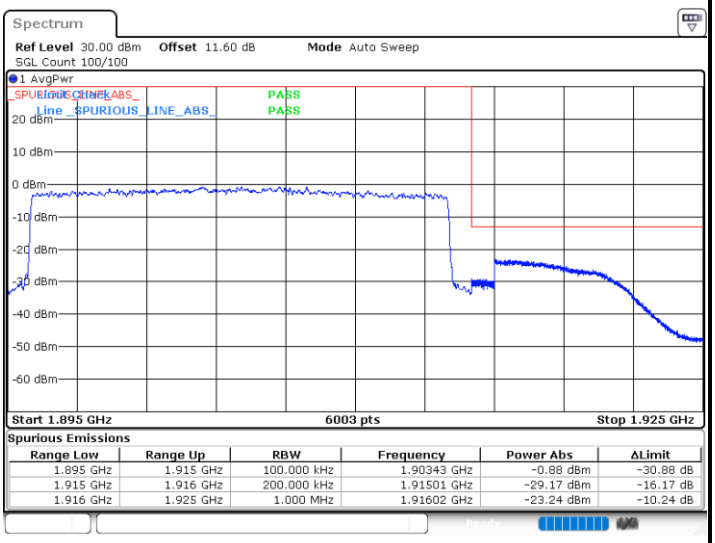



Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.840 GHz | 1.849 GHz | 1.000 MHz | 1.84855 GHz | -23.84 dBm | -10.84 dB |
| 1.849 GHz | 1.850 GHz | 200.000 kHz | 1.84957 GHz | -29.45 dBm | -16.45 dB |
| 1.850 GHz | 1.870 GHz | 100.000 kHz | 1.85259 GHz | -0.87 dBm | -30.87 dB |

Date: 28.DEC.2022 17:30:43

### Highest Band Edge / Full RB




Spurious Emissions

| Range Low | Range Up | RBW | Frequency | Power Abs | ΔLimit |
|---|---|---|---|---|---|
| 1.895 GHz | 1.915 GHz | 100.000 kHz | 1.90343 GHz | -0.88 dBm | -30.88 dB |
| 1.915 GHz | 1.916 GHz | 200.000 kHz | 1.91501 GHz | -29.17 dBm | -16.17 dB |
| 1.916 GHz | 1.925 GHz | 1.000 MHz | 1.91602 GHz | -23.24 dBm | -10.24 dB |

Date: 28.DEC.2022 17:32:25