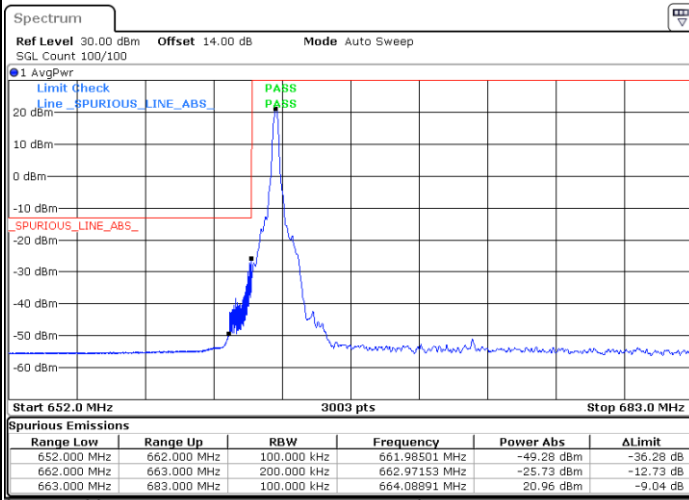


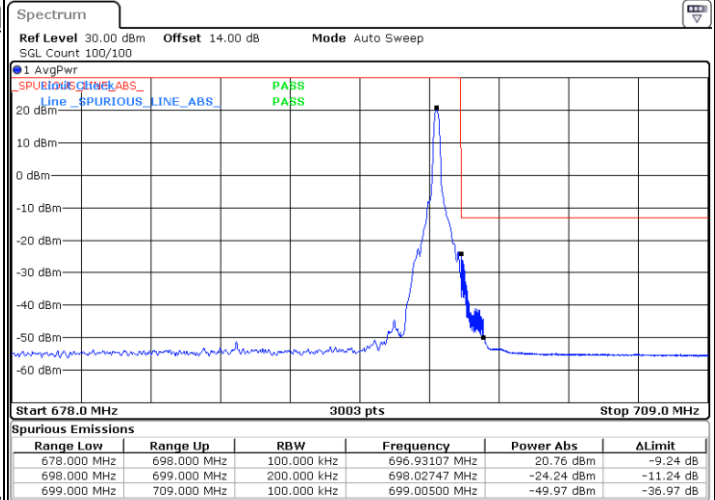


## LTE Band 71 / 20MHz / QPSK

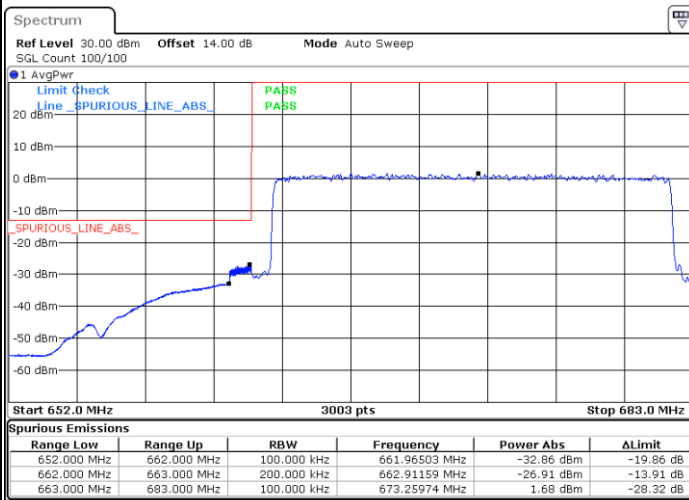
## Lowest Band Edge / 1 RB



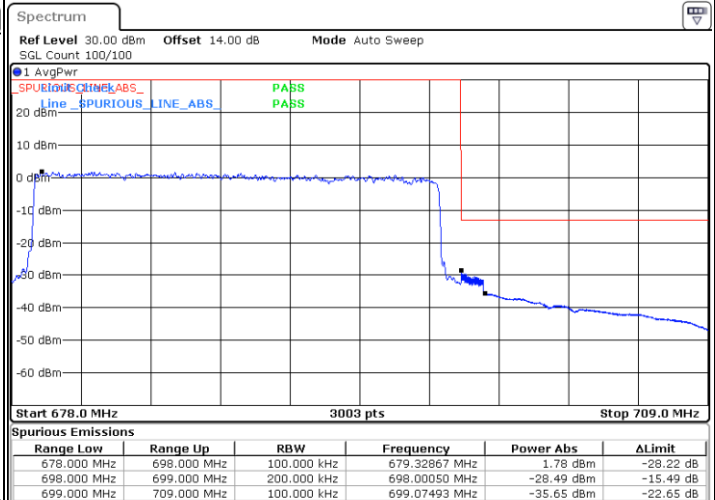
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



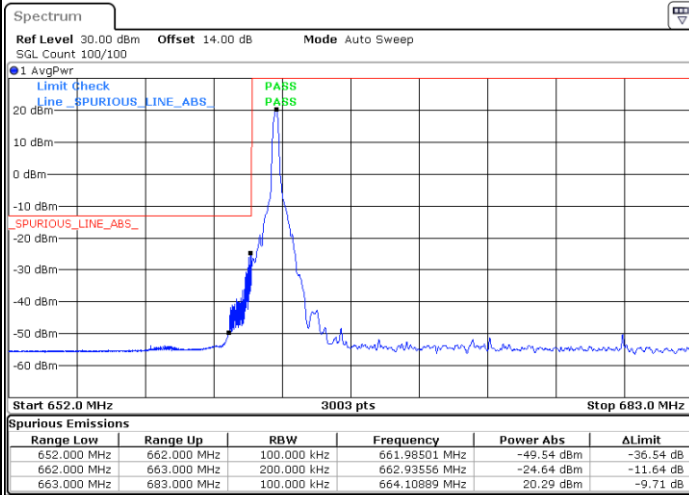
## Highest Band Edge / Full RB



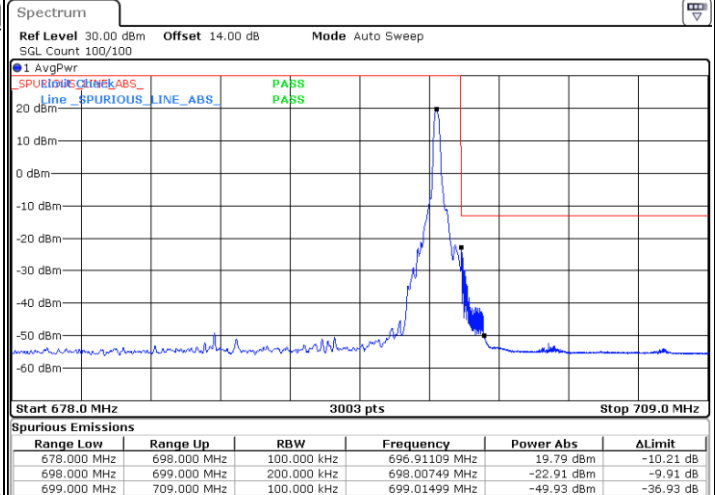


## LTE Band 71 / 20MHz / 16QAM

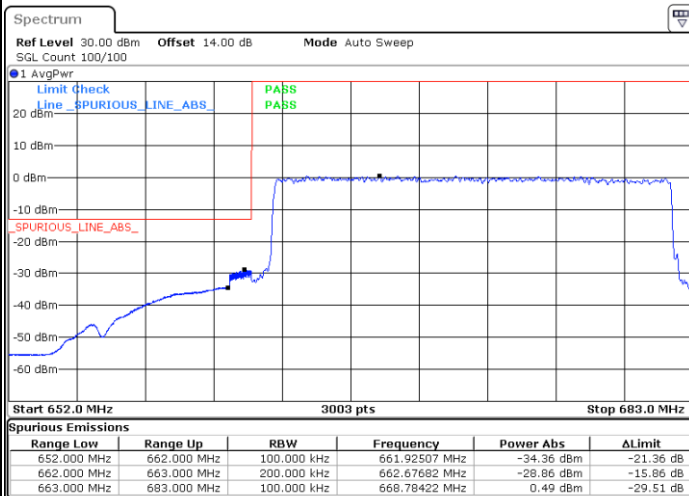
## Lowest Band Edge / 1RB



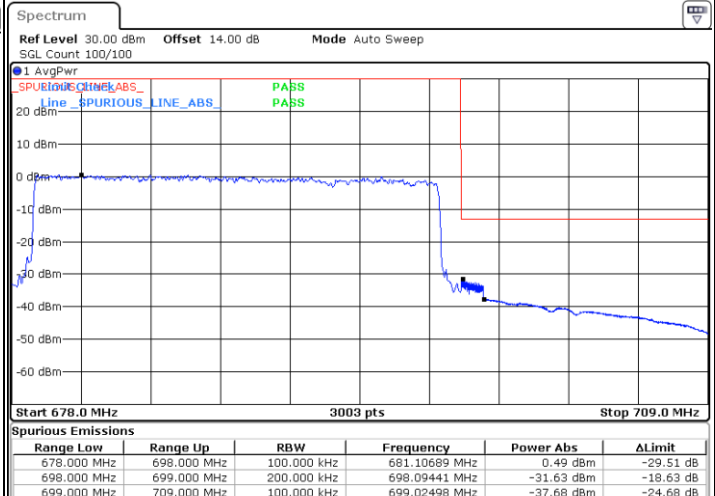
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



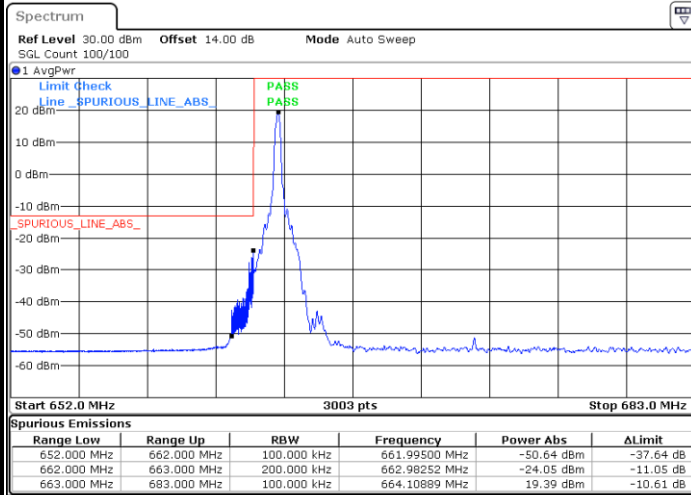
## Highest Band Edge / Full RB



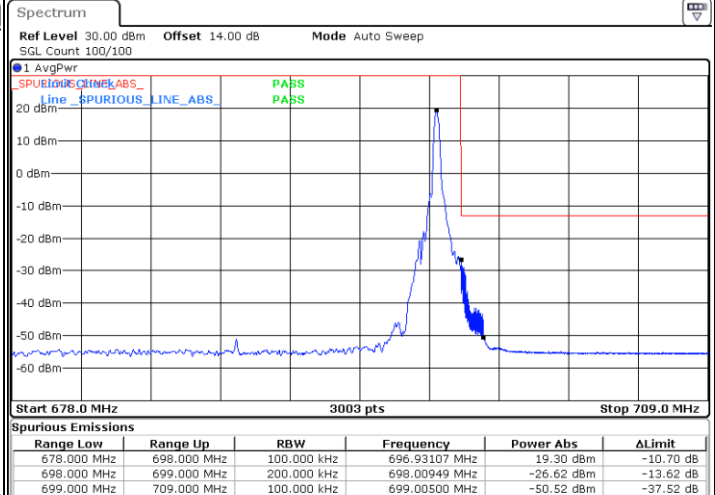


## LTE Band 71 / 20MHz / 64QAM

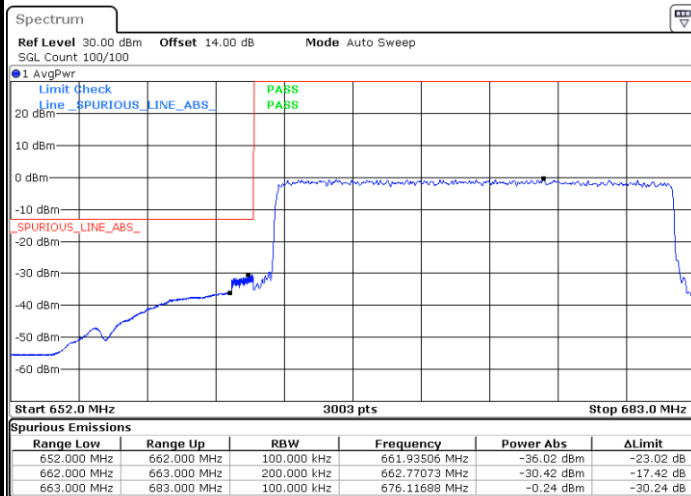
## Lowest Band Edge / 1RB



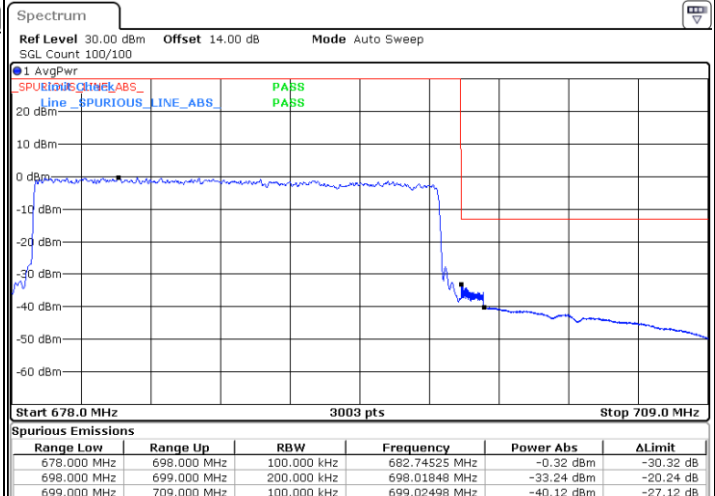
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

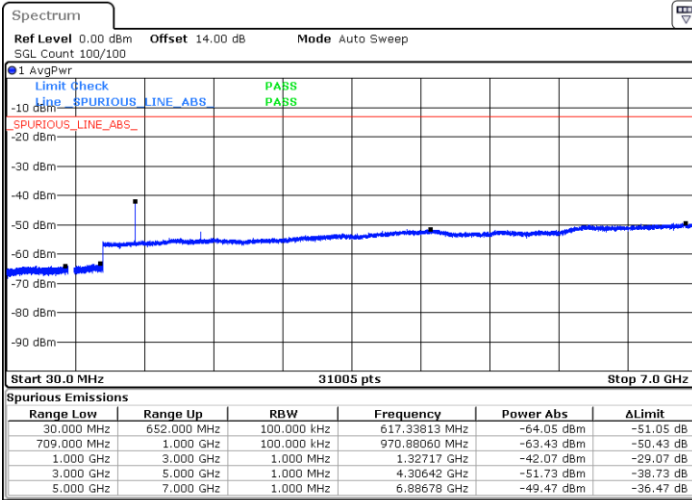




# Conducted Spurious Emission

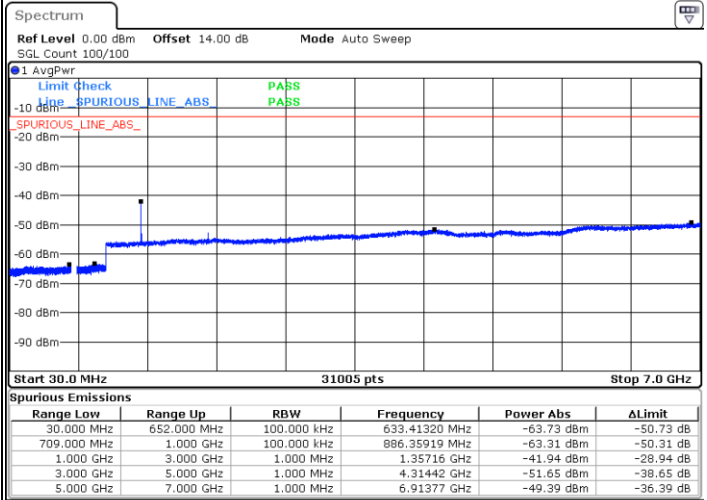
## LTE Band 71 / 5MHz

### Lowest Channel / QPSK



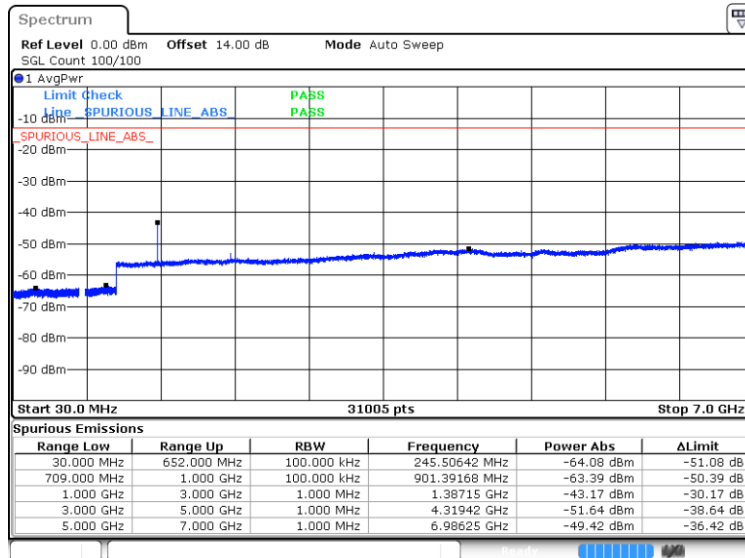
Date: 18.AUG.2024 00:02:51

### Middle Channel / QPSK



Date: 18.AUG.2024 00:04:06

### Highest Channel / QPSK

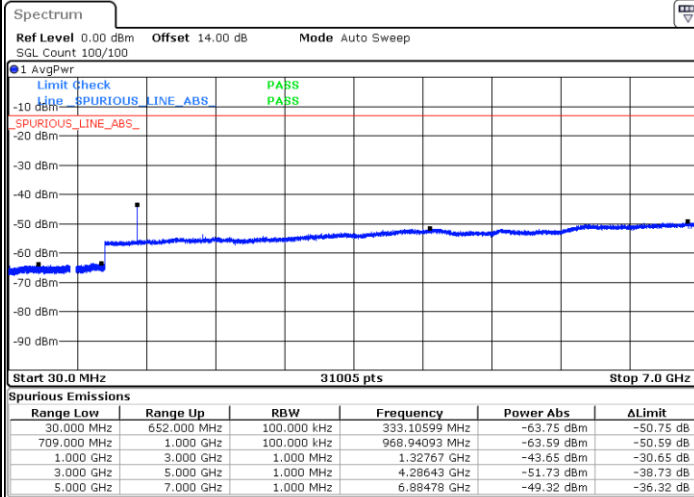


Date: 18.AUG.2024 00:14:16



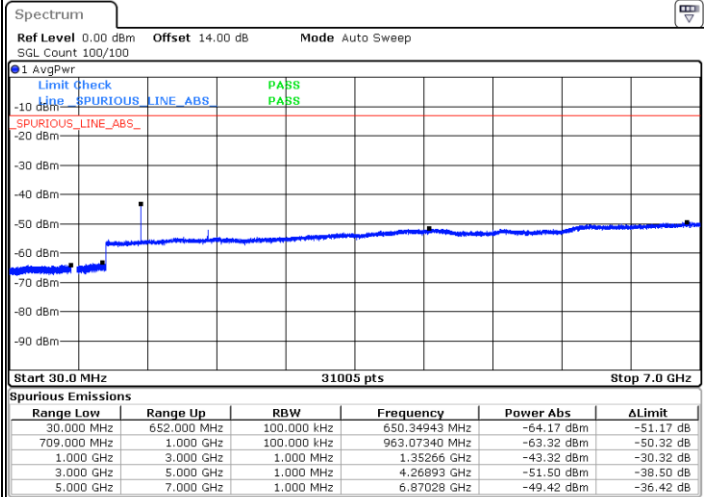
## LTE Band 71 / 10MHz

## Lowest Channel / QPSK



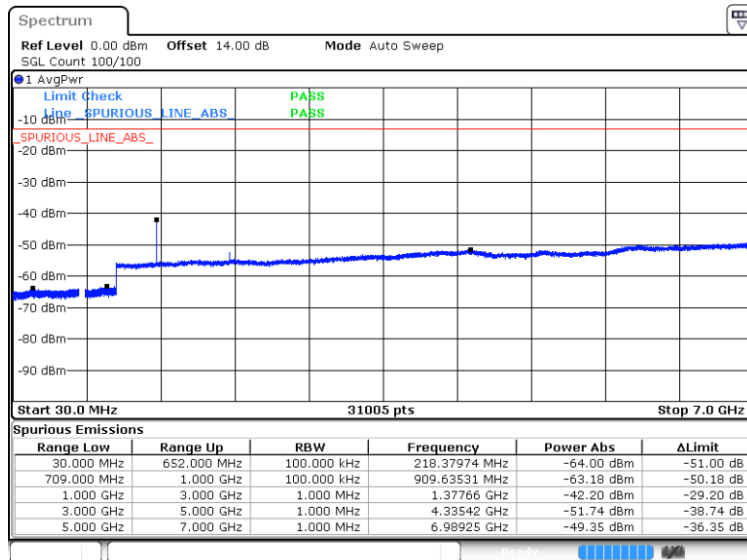
Date: 18.AUG.2024 00:23:51

## Middle Channel / QPSK



Date: 18.AUG.2024 00:25:06

## Highest Channel / QPSK

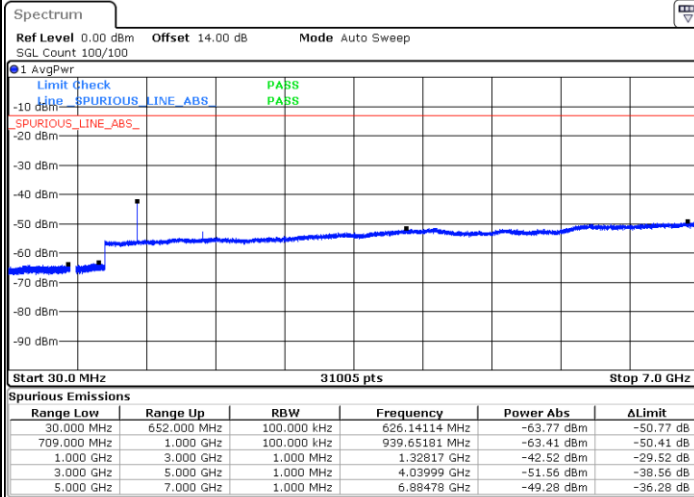


Date: 18.AUG.2024 00:35:17



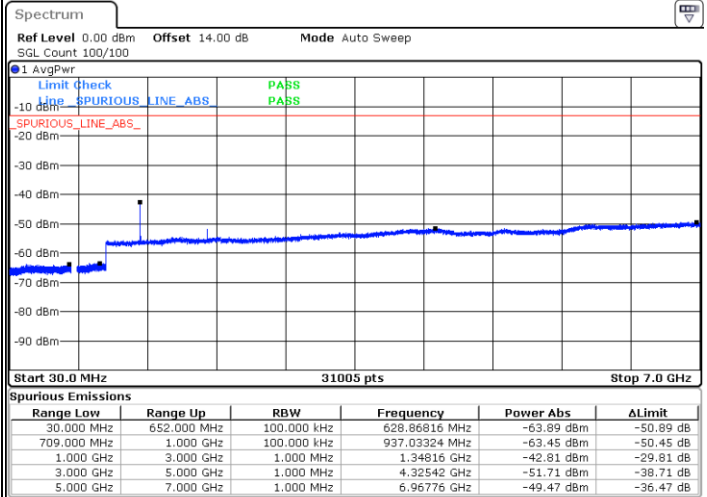
## LTE Band 71 / 15MHz

## Lowest Channel / QPSK



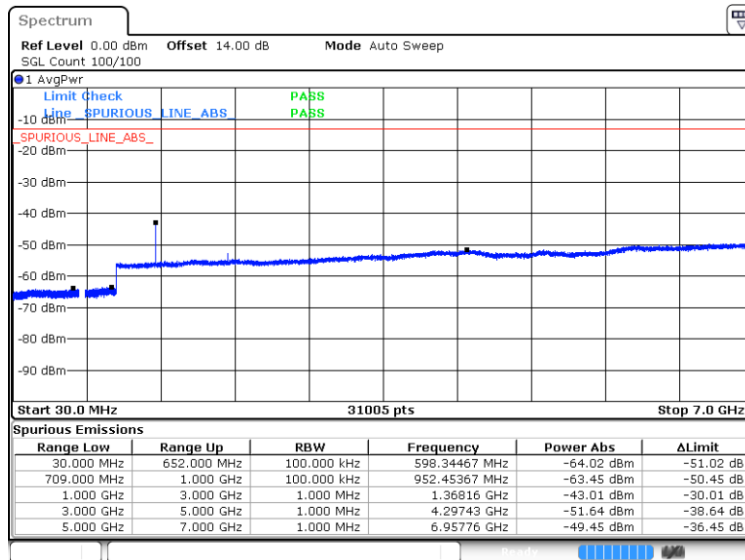
Date: 18.AUG.2024 00:44:52

## Middle Channel / QPSK



Date: 18.AUG.2024 00:46:08

## Highest Channel / QPSK

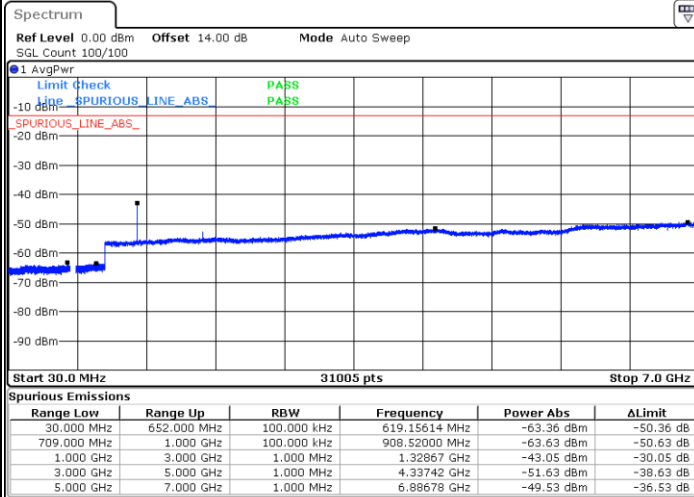


Date: 18.AUG.2024 00:56:19



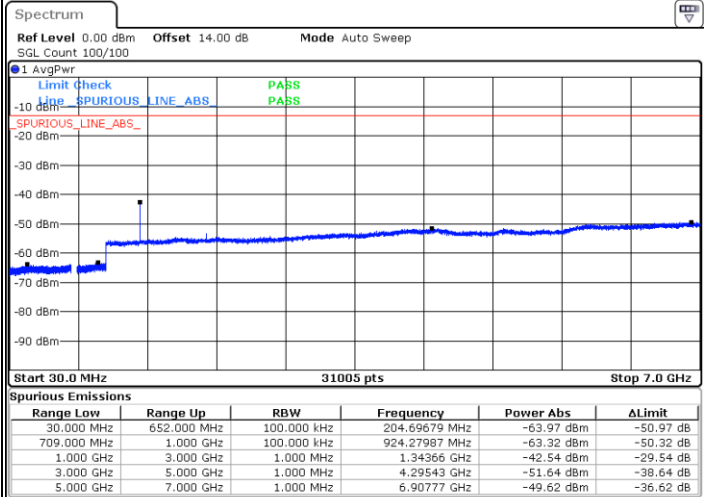
## LTE Band 71 / 20MHz

## Lowest Channel / QPSK



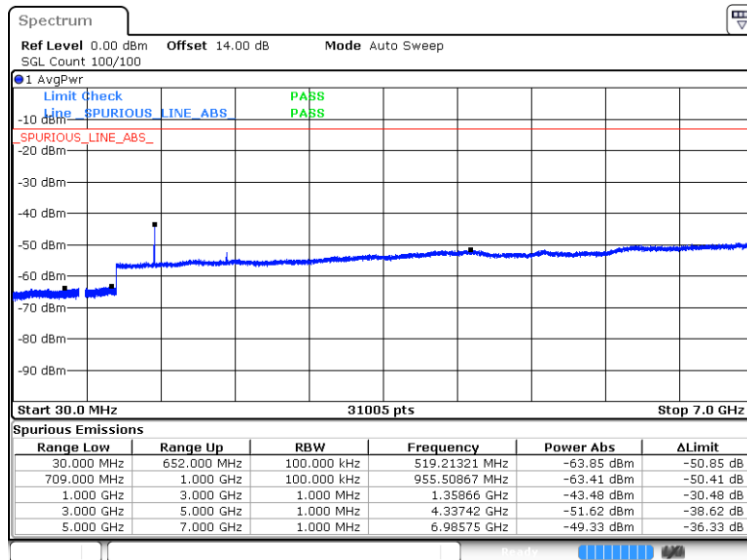
Date: 18.AUG.2024 01:05:54

## Middle Channel / QPSK



Date: 18.AUG.2024 01:07:09

## Highest Channel / QPSK



Date: 18.AUG.2024 01:18:42

**Frequency Stability**

| Test Conditions  |                   | LTE Band 71 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0022                              | PASS    |
| 40               | Normal Voltage    | 0.0019                              |         |
| 30               | Normal Voltage    | 0.0043                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0003                              |         |
| 0                | Normal Voltage    | 0.0010                              |         |
| -10              | Normal Voltage    | 0.0024                              |         |
| -20              | Normal Voltage    | 0.0019                              |         |
| -30              | Normal Voltage    | 0.0015                              |         |
| 20               | Maximum Voltage   | 0.0004                              |         |
| 20               | Normal Voltage    | 0.0000                              |         |
| 20               | Battery End Point | 0.0013                              |         |

**Note:**

1. Normal Voltage = 3.8 V.; Battery End Point = 3.5 V.; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

|                 |            |                     |        |
|-----------------|------------|---------------------|--------|
| Test Engineer : | Wenbo Xiao | Temperature :       | 22~25℃ |
|                 |            | Relative Humidity : | 48~52% |

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to test.

| LTE Band 12 / 10MHz / QPSK / Ant0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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              | -64.88      | -13           | -51.88            | -73.03            | -68.13             | 4.00                 | 9.40                  | H                  |
|                                   | 2109              | -64.36      | -13           | -51.36            | -74.72            | -67.93             | 4.88                 | 10.60                 | H                  |
|                                   | 2812              | -60.13      | -13           | -47.13            | -73.16            | -65.06             | 5.52                 | 12.60                 | H                  |
|                                   | 1406              | -64.71      | -13           | -51.71            | -72.75            | -67.96             | 4.00                 | 9.40                  | V                  |
|                                   | 2109              | -64.14      | -13           | -51.14            | -74.73            | -67.71             | 4.88                 | 10.60                 | V                  |
|                                   | 2812              | -58.60      | -13           | -45.60            | -71.56            | -63.53             | 5.52                 | 12.60                 | V                  |

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

| LTE Band 13 / 5MHz / QPSK / Ant0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|----------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| Channel                          | Frequency ( MHz ) | ERP ( dBm ) | Limit ( dBm ) | Over Limit ( dB ) | SPA Reading (dBm) | S.G. Power ( dBm ) | TX Cable loss ( dB ) | TX Antenna Gain (dBi) | Polarization (H/V) |
| Middle                           | 1559.5            | -64.53      | -42.15        | -22.38            | -72.88            | -67.78             | 4.00                 | 9.40                  | H                  |
|                                  | 2339.25           | -64.12      | -13           | -51.12            | -75.32            | -67.69             | 4.88                 | 10.60                 | H                  |
|                                  | 3119              | -61.74      | -13           | -48.74            | -75.70            | -66.67             | 5.52                 | 12.60                 | H                  |
|                                  | 1559.5            | -61.34      | -42.15        | -19.19            | -69.46            | -64.59             | 4.00                 | 9.40                  | V                  |
|                                  | 2339.25           | -62.14      | -13           | -49.14            | -73.35            | -65.71             | 4.88                 | 10.60                 | V                  |
|                                  | 3119              | -61.56      | -13           | -48.56            | -75.33            | -66.49             | 5.52                 | 12.60                 | V                  |

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

| LTE Band 13 / 10MHz / QPSK / Ant0 |                   |             |               |                   |                   |                    |                      |                       |                    |
|-----------------------------------|-------------------|-------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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            | -65.17      | -13           | -52.17            | -73.52            | -68.42             | 4.00                 | 9.40                  | H                  |
|                                   | 2339.25           | -64.23      | -13           | -51.23            | -75.43            | -67.80             | 4.88                 | 10.60                 | H                  |
|                                   | 3119              | -61.62      | -13           | -48.62            | -75.58            | -66.55             | 5.52                 | 12.60                 | H                  |
|                                   | 1559.5            | -64.14      | -13           | -51.14            | -72.26            | -67.39             | 4.00                 | 9.40                  | V                  |
|                                   | 2339.25           | -63.84      | -13           | -50.84            | -75.05            | -67.41             | 4.88                 | 10.60                 | V                  |
|                                   | 3119              | -61.81      | -13           | -48.81            | -75.58            | -66.74             | 5.52                 | 12.60                 | V                  |

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



| LTE Band 26 / 15MHz / QPSK / Ant0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                           | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                            | 1649.5               | -61.11         | -13              | -48.11                  | -68.35                  | -64.36                   | 4.00                       | 9.40                        | H                     |
|                                   | 2474.25              | -63.92         | -13              | -50.92                  | -75.14                  | -67.49                   | 4.88                       | 10.60                       | H                     |
|                                   | 3299                 | -62.67         | -13              | -49.67                  | -76.69                  | -67.60                   | 5.52                       | 12.60                       | H                     |
|                                   | 1649.5               | -55.09         | -13              | -42.09                  | -62.38                  | -58.34                   | 4.00                       | 9.40                        | V                     |
|                                   | 2474.25              | -64.01         | -13              | -51.01                  | -75.27                  | -67.58                   | 4.88                       | 10.60                       | V                     |
|                                   | 3299                 | -62.76         | -13              | -49.76                  | -76.70                  | -67.69                   | 5.52                       | 12.60                       | V                     |

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

| LTE Band 71 / 20MHz / QPSK / Ant0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                           | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                            | 1343                 | -65.01         | -13              | -52.01                  | -72.34                  | -68.26                   | 4.00                       | 9.40                        | H                     |
|                                   | 2014.5               | -65.72         | -13              | -52.72                  | -75.04                  | -69.29                   | 4.88                       | 10.60                       | H                     |
|                                   | 2686                 | -63.93         | -13              | -50.93                  | -76.37                  | -68.86                   | 5.52                       | 12.60                       | H                     |
|                                   | 1343                 | -65.19         | -13              | -52.19                  | -72.45                  | -68.44                   | 4.00                       | 9.40                        | V                     |
|                                   | 2014.5               | -65.98         | -13              | -52.98                  | -75.41                  | -69.55                   | 4.88                       | 10.60                       | V                     |
|                                   | 2686                 | -63.64         | -13              | -50.64                  | -75.96                  | -68.57                   | 5.52                       | 12.60                       | V                     |

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