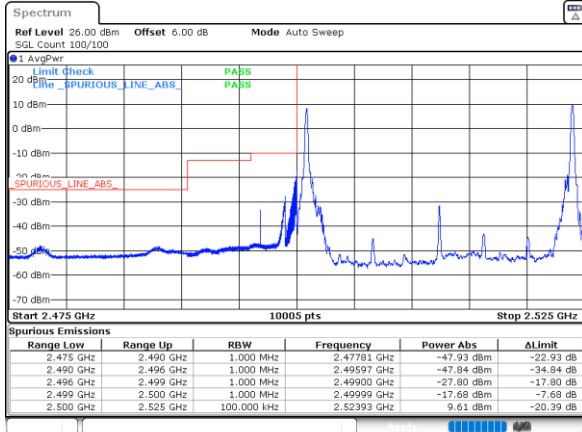




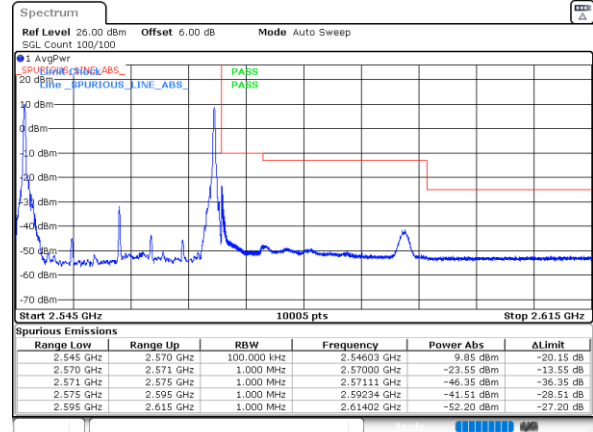
## LTE Band 7 / 15MHz+10MHz

## 256QAM

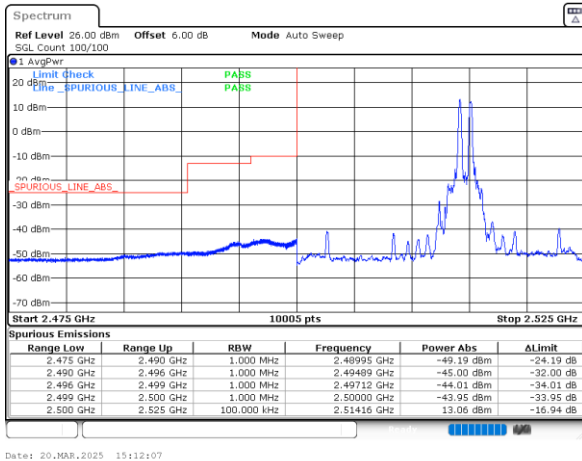
## Lowest Band Edge / 1RB0 and 1RB49



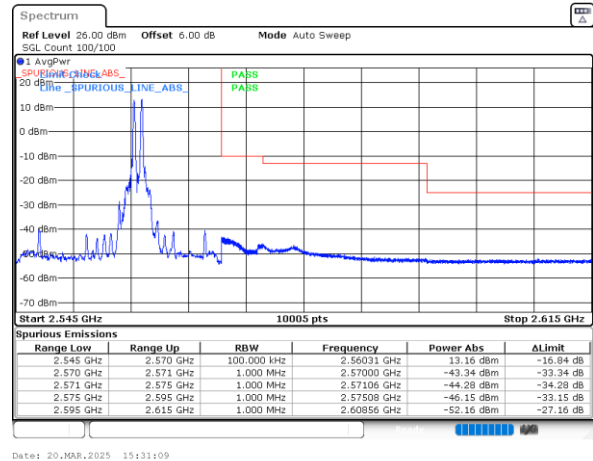
## Highest Band Edge / 1RB0 and 1RB49



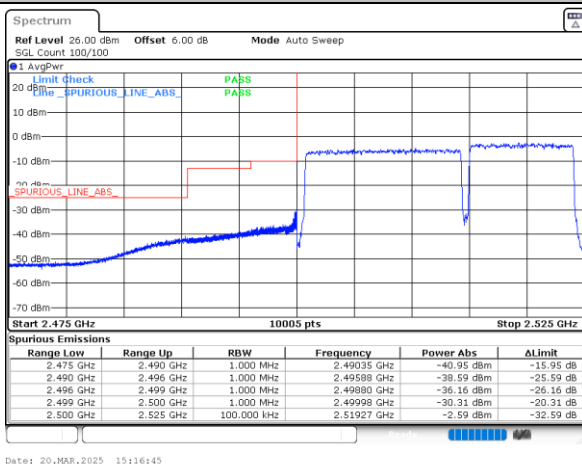
## Lowest Band Edge / 1RB74 and 1RB0



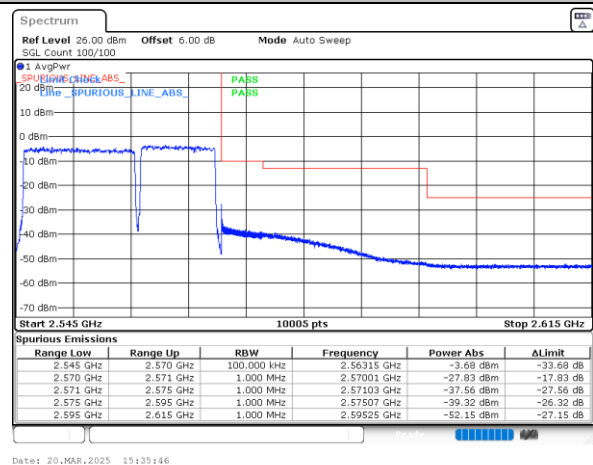
## Highest Band Edge / 1RB74 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

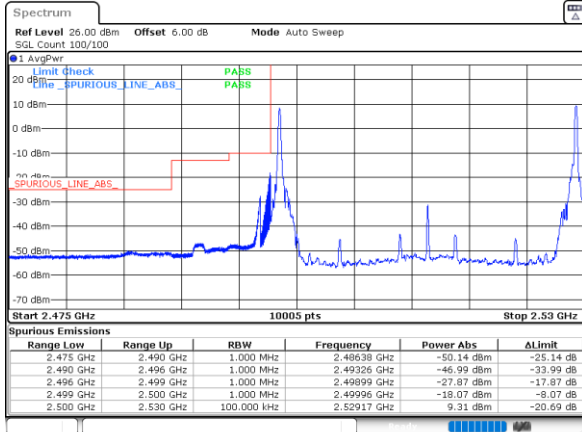




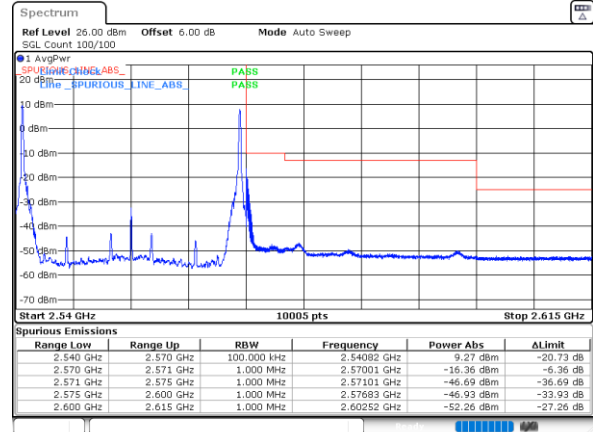
## LTE Band 7 / 15MHz+15MHz

## 256QAM

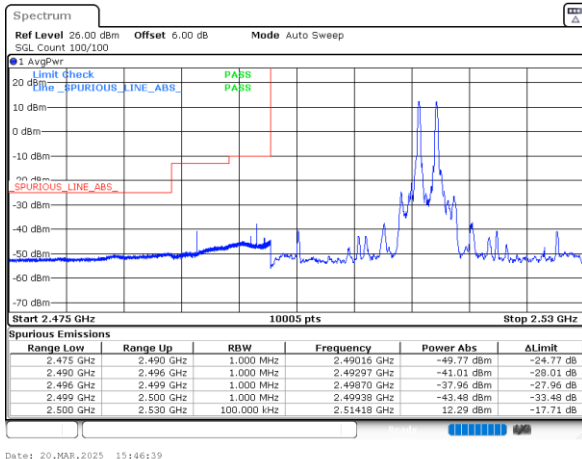
## Lowest Band Edge / 1RB0 and 1RB74



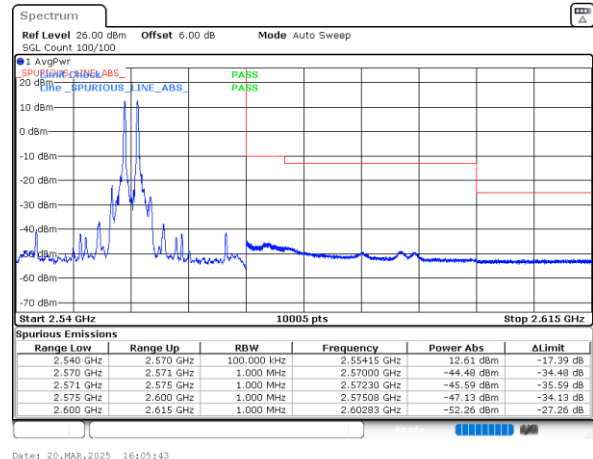
## Highest Band Edge / 1RB0 and 1RB74



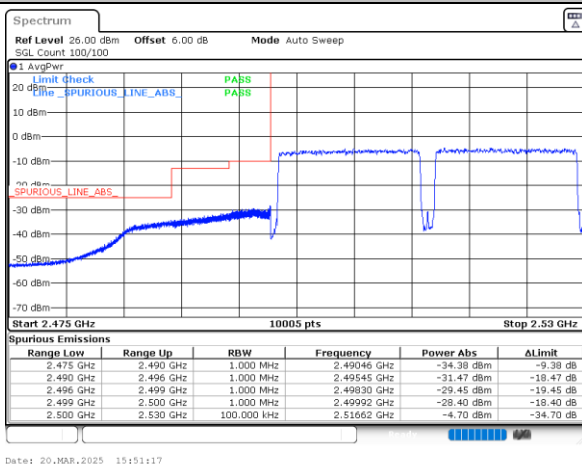
## Lowest Band Edge / 1RB74 and 1RB0



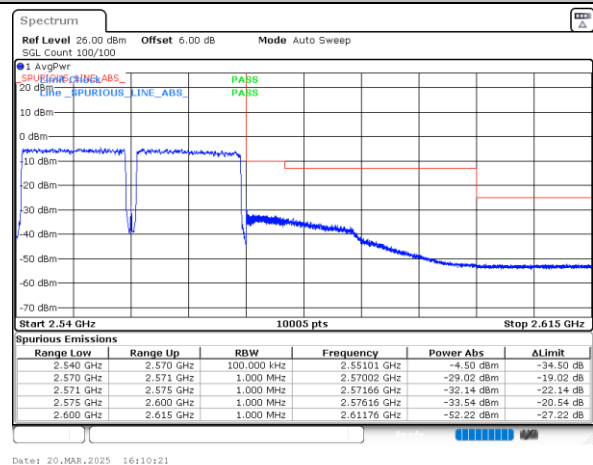
## Highest Band Edge / 1RB74 and 1RB0



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

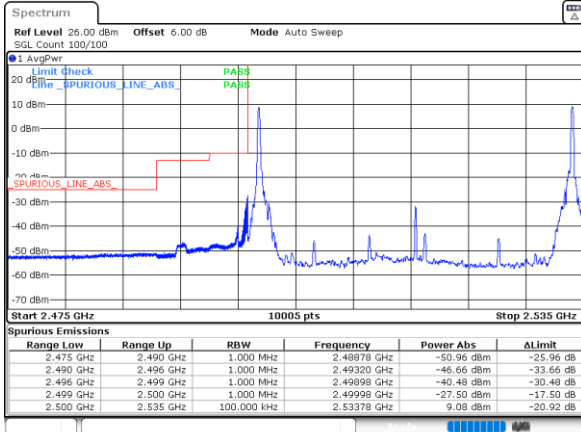




## LTE Band 7 / 15MHz+20MHz

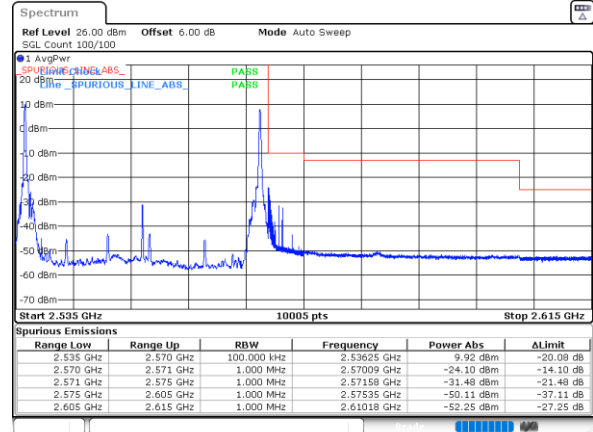
## 256QAM

## Lowest Band Edge / 1RB0 and 1RB99



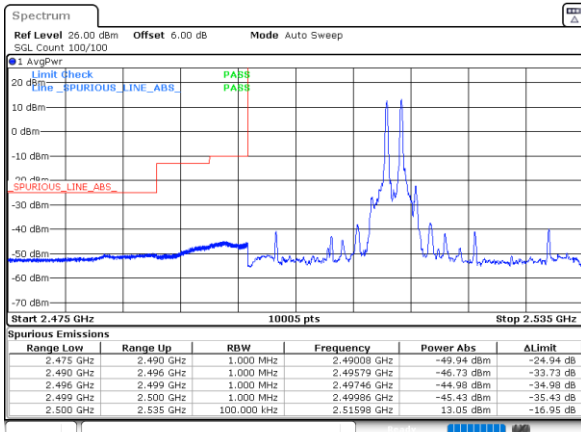
Date: 20.MAR.2025 16:20:15

## Highest Band Edge / 1RB0 and 1RB99



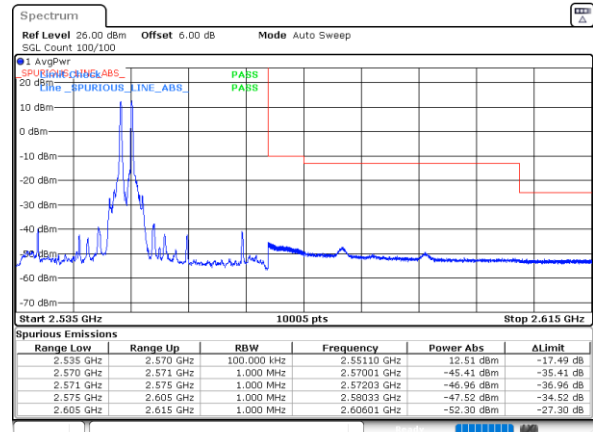
Date: 20.MAR.2025 16:19:21

## Lowest Band Edge / 1RB74 and 1RB0



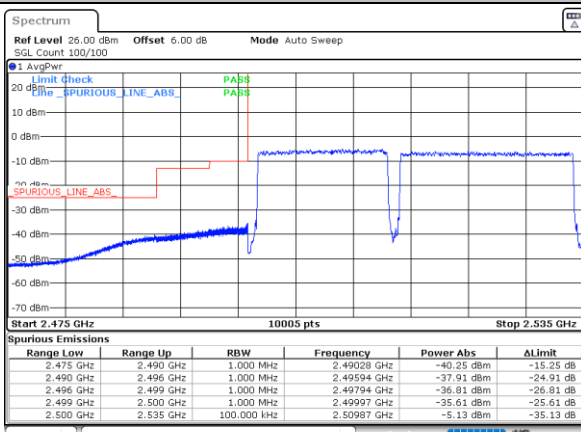
Date: 20.MAR.2025 16:24:54

## Highest Band Edge / 1RB74 and 1RB0



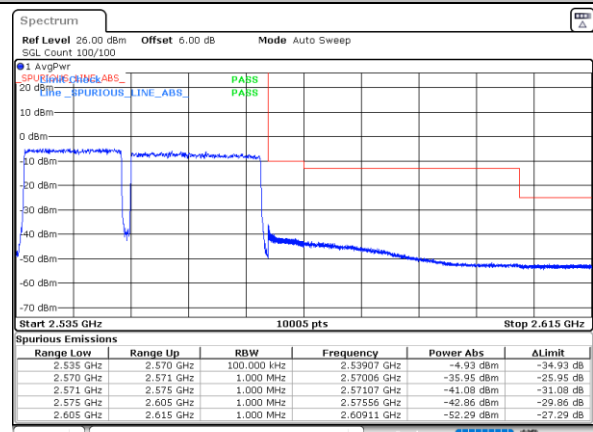
Date: 20.MAR.2025 16:13:59

## Lowest Band Edge / Full RB



Date: 20.MAR.2025 16:29:33

## Highest Band Edge / Full RB



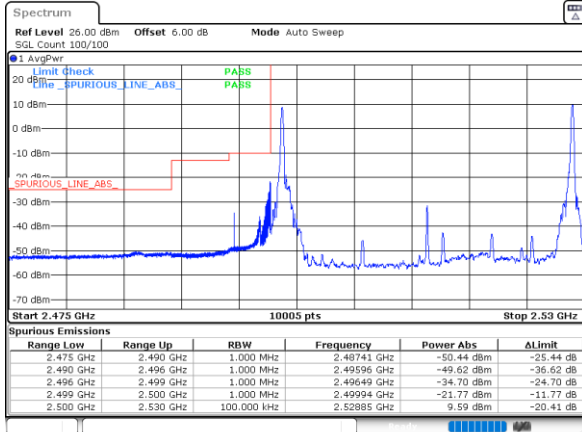
Date: 20.MAR.2025 16:48:37



## LTE Band 7 / 20MHz+10MHz

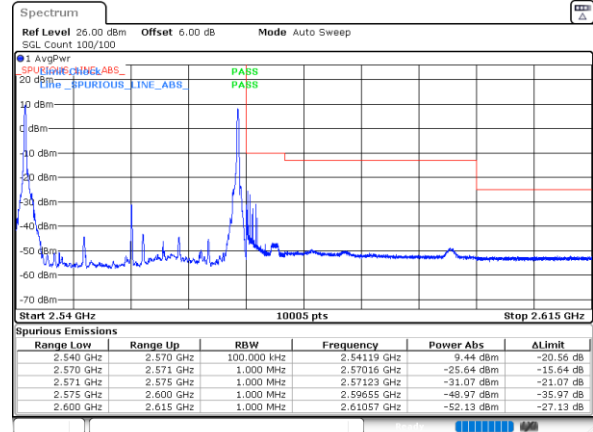
## 256QAM

## Lowest Band Edge / 1RB0 and 1RB49



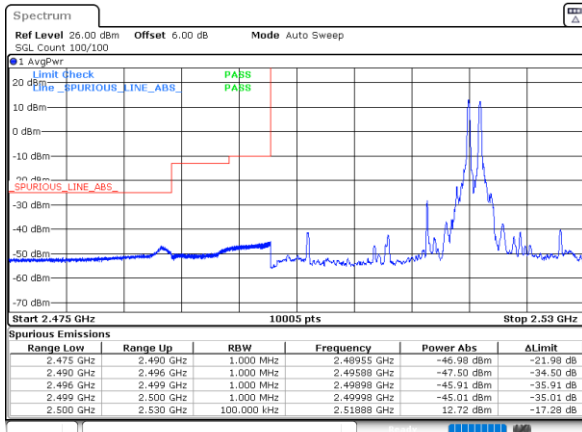
Date: 20,MAR,2025 16:55:14

## Highest Band Edge / 1RB0 and 1RB49



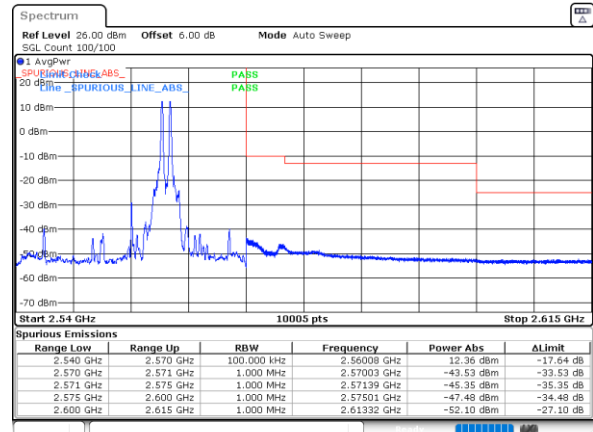
Date: 20,MAR,2025 17:14:38

## Lowest Band Edge / 1RB99 and 1RB0



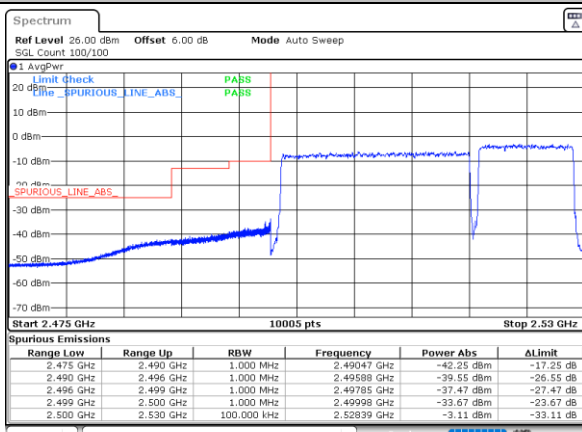
Date: 20,MAR,2025 17:00:13

## Highest Band Edge / 1RB99 and 1RB0



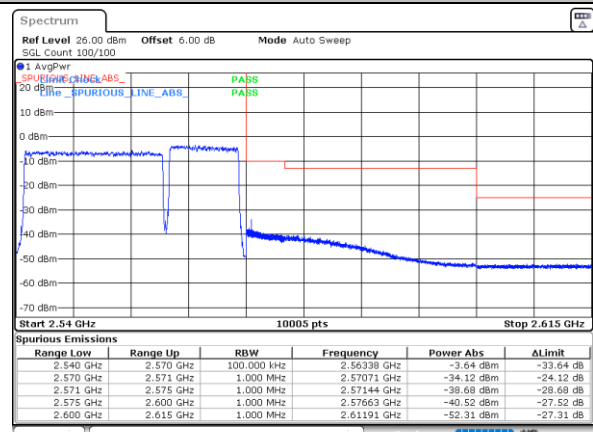
Date: 20,MAR,2025 17:19:16

## Lowest Band Edge / Full RB



Date: 20,MAR,2025 17:04:52

## Highest Band Edge / Full RB



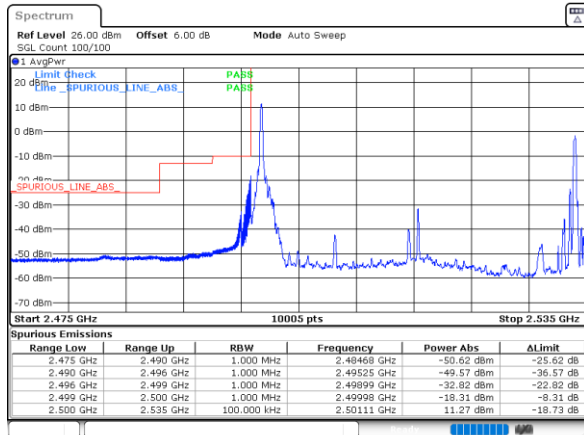
Date: 20,MAR,2025 17:23:55



## LTE Band 7 / 20MHz+15MHz

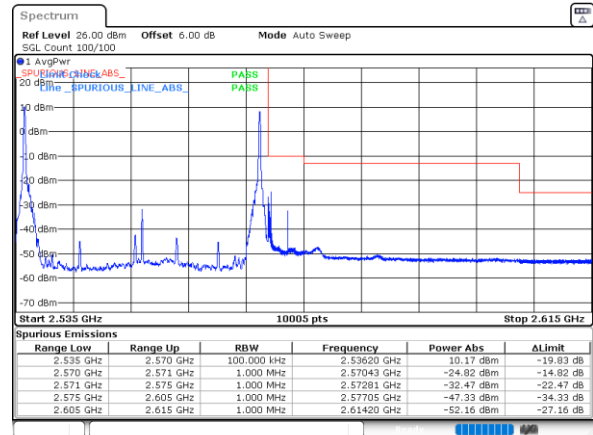
## 256QAM

## Lowest Band Edge / 1RB0 and 1RB74



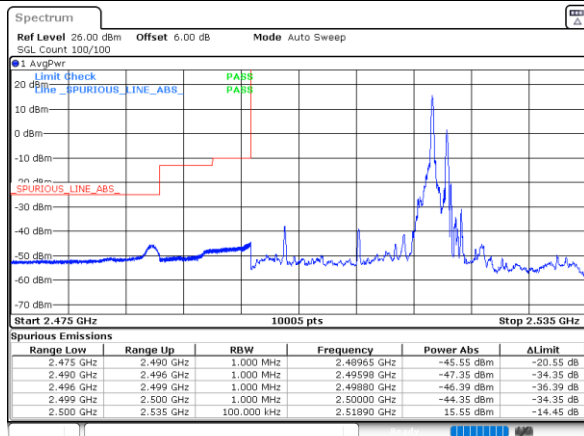
Date: 20.MAR.2025 17:10:10

## Highest Band Edge / 1RB0 and 1RB74



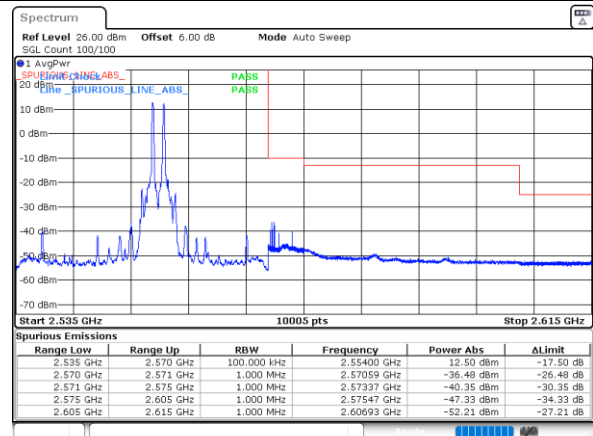
Date: 20.MAR.2025 17:49:17

## Lowest Band Edge / 1RB99 and 1RB0



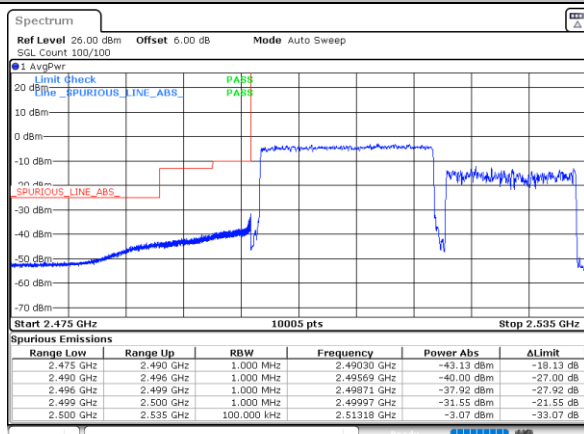
Date: 20.MAR.2025 17:14:49

## Highest Band Edge / 1RB99 and 1RB0



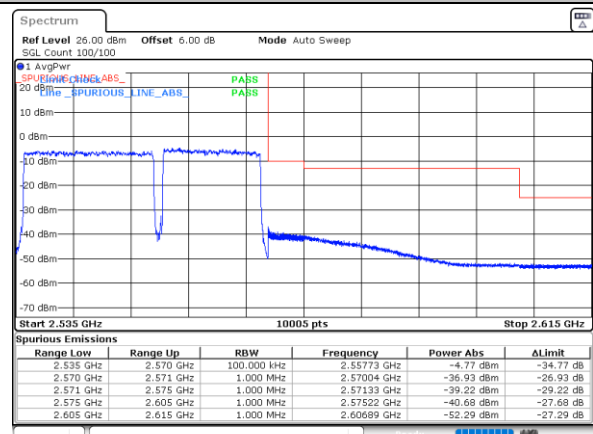
Date: 20.MAR.2025 17:53:56

## Lowest Band Edge / Full RB



Date: 20.MAR.2025 17:19:29

## Highest Band Edge / Full RB



Date: 20.MAR.2025 17:58:36



### Lowest Band Edge / 1RB0 and 1RB99



Date: 20.MAR.2025 18:24:01

### Highest Band Edge / 1RB99 and 1RB0



### Highest Band Edge / Full RB

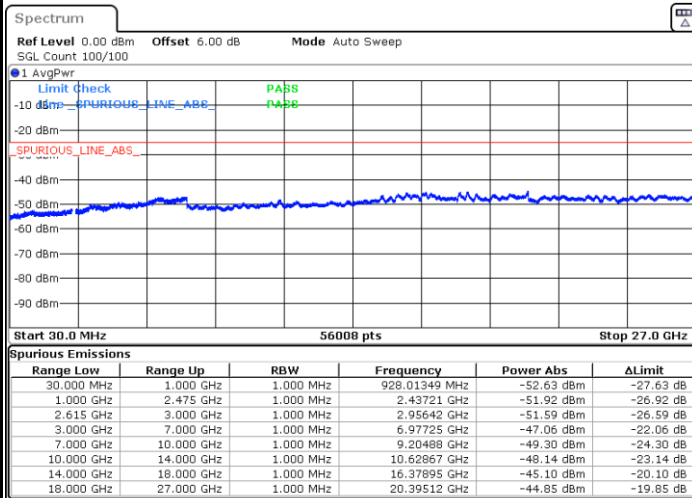




# Conducted Spurious Emission

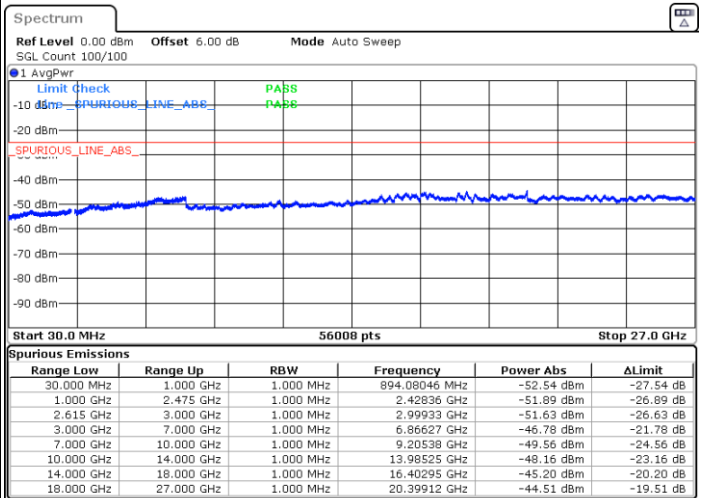
## LTE Band 7 / 10MHz+20MHz

### Lowest Channel / QPSK



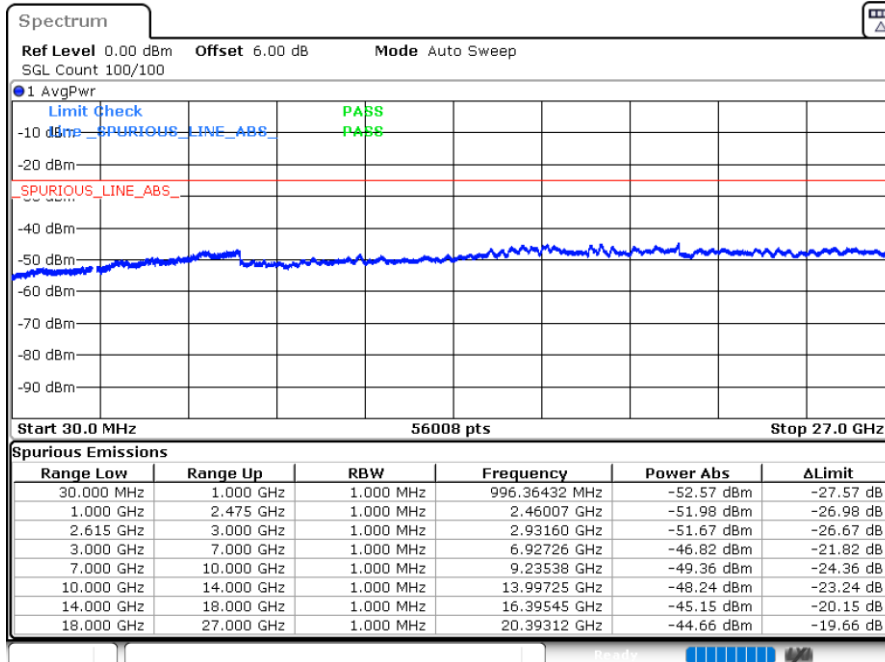
Date: 20.MAR.2025 14:02:52

### Middle Channel / QPSK



Date: 20.MAR.2025 14:18:23

### Highest Channel / QPSK



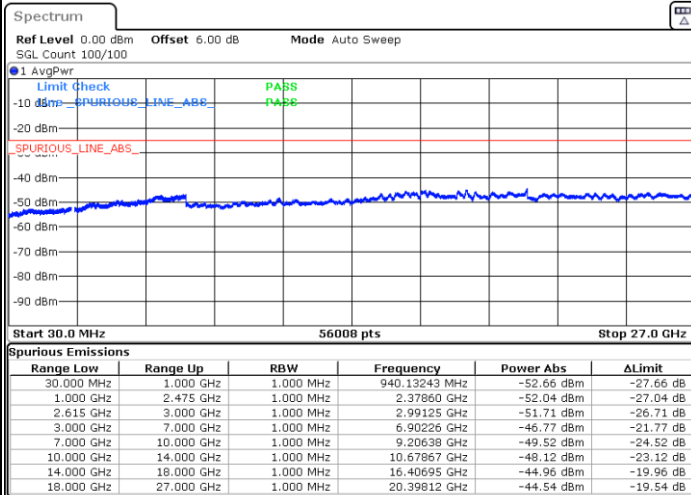
Date: 20.MAR.2025 14:21:58



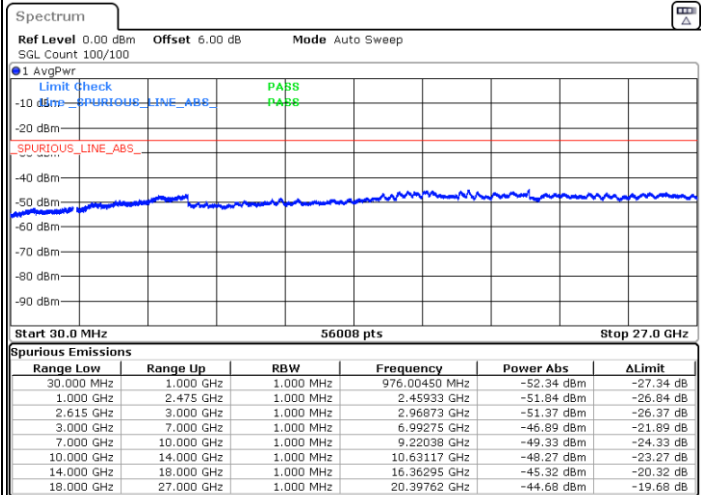
## LTE Band 7 / 15MHz+10MHz

## Lowest Channel / QPSK

## Middle Channel / QPSK

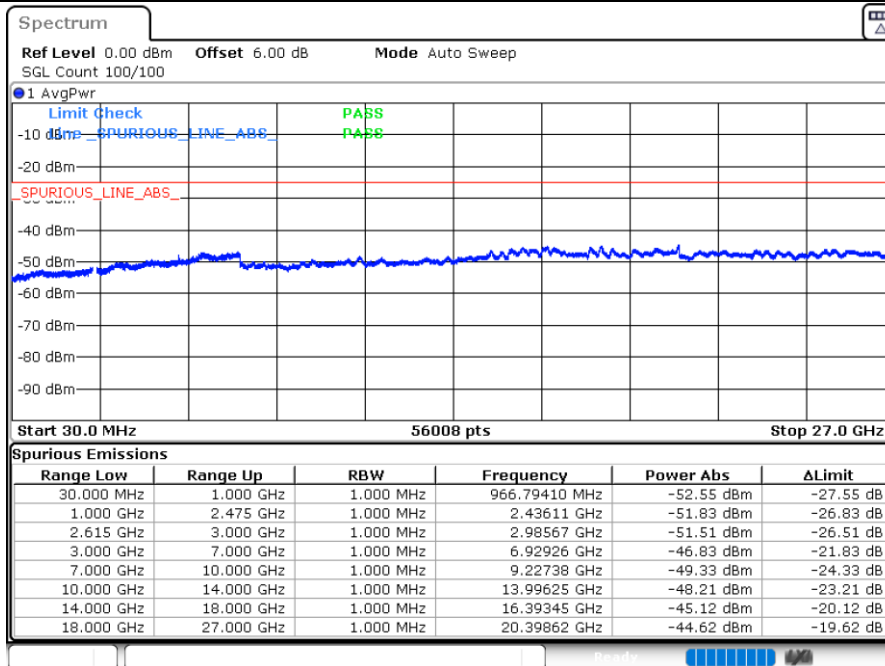


Date: 20.MAR.2025 14:37:54



Date: 20.MAR.2025 15:18:22

## Highest Channel / QPSK



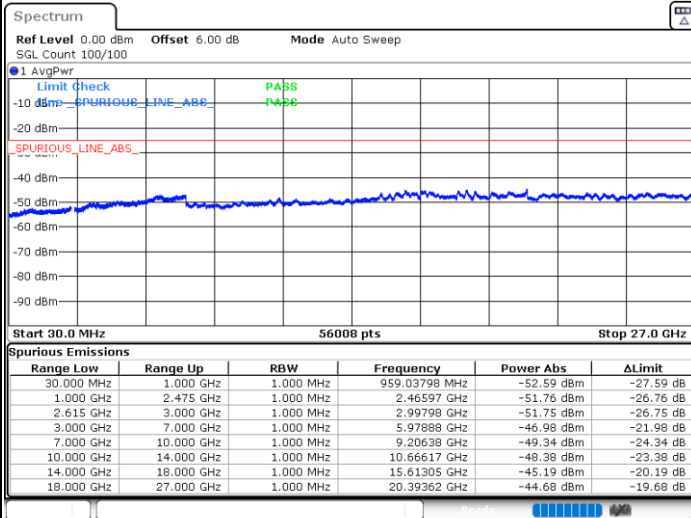
Date: 20.MAR.2025 15:21:56



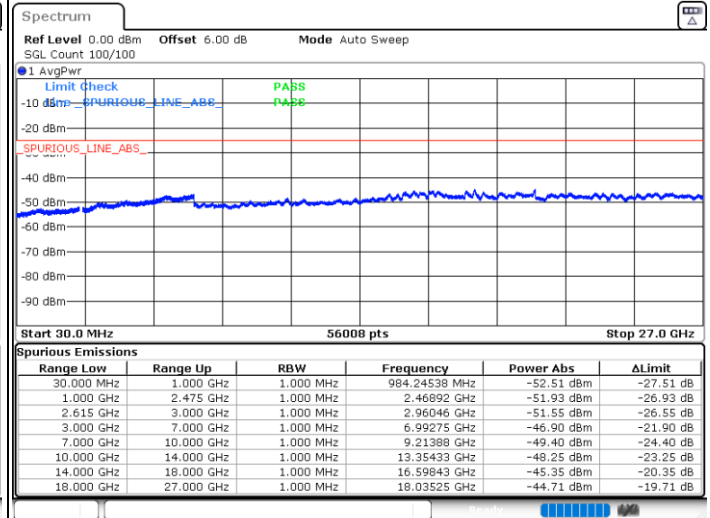
## LTE Band 7 / 15MHz+15MHz

## Lowest Channel / QPSK

## Middle Channel / QPSK

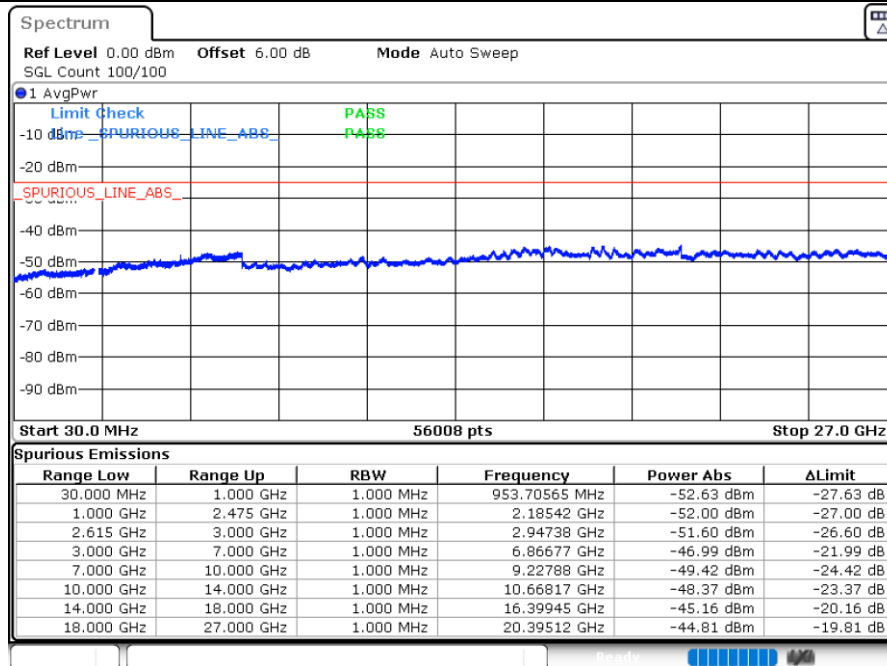


Date: 20.MAR.2025 15:37:21



Date: 20.MAR.2025 15:52:54

## Highest Channel / QPSK



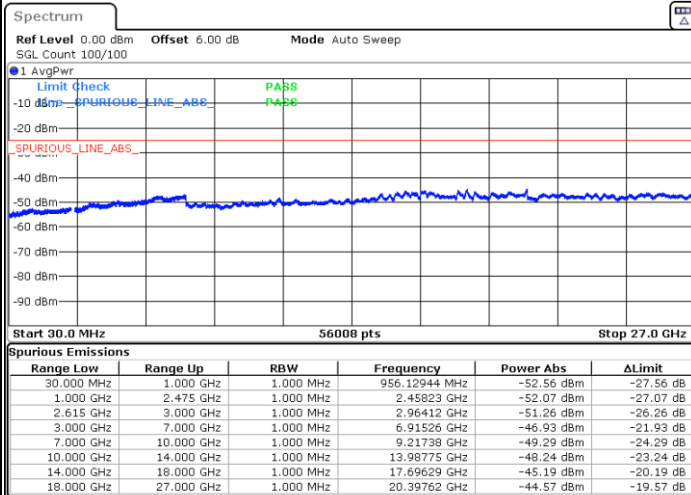
Date: 20.MAR.2025 15:56:28



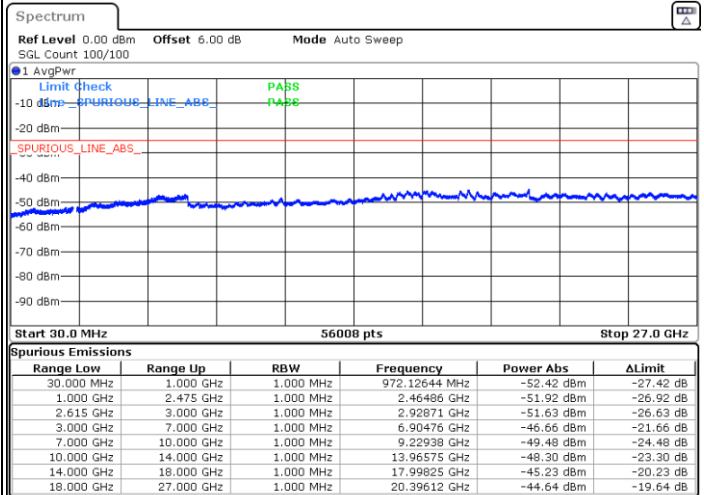
## LTE Band 7 / 15MHz+20MHz

## Lowest Channel / QPSK

## Middle Channel / QPSK

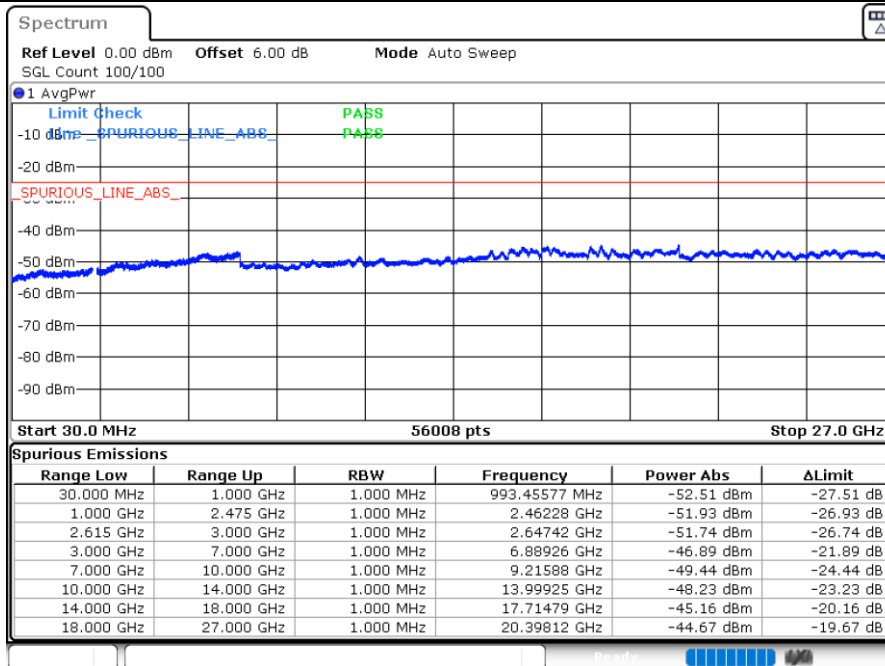


Date: 20.MAR.2025 16:15:38



Date: 20.MAR.2025 16:31:09

## Highest Channel / QPSK



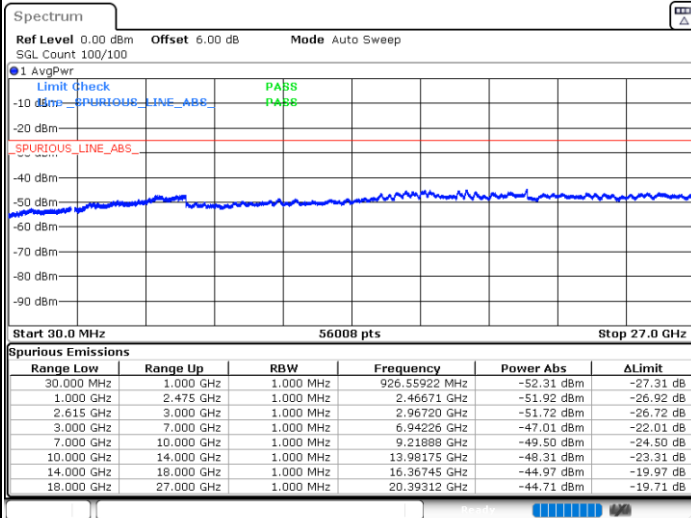
Date: 20.MAR.2025 16:34:43



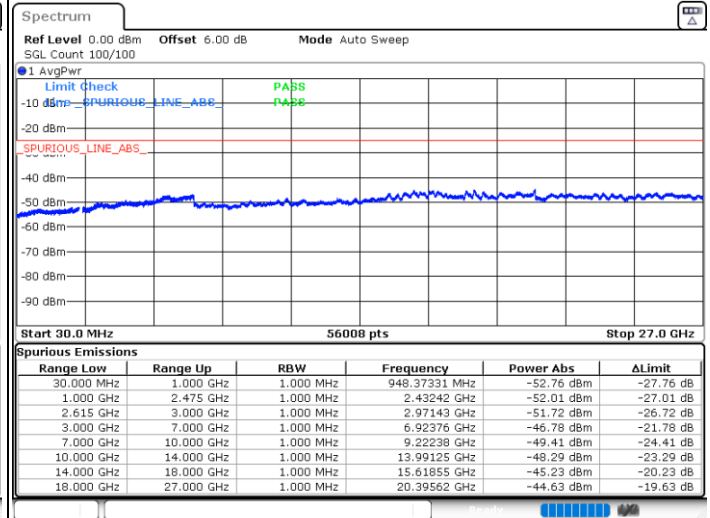
## LTE Band 7 / 20MHz+10MHz

## Lowest Channel / QPSK

## Middle Channel / QPSK

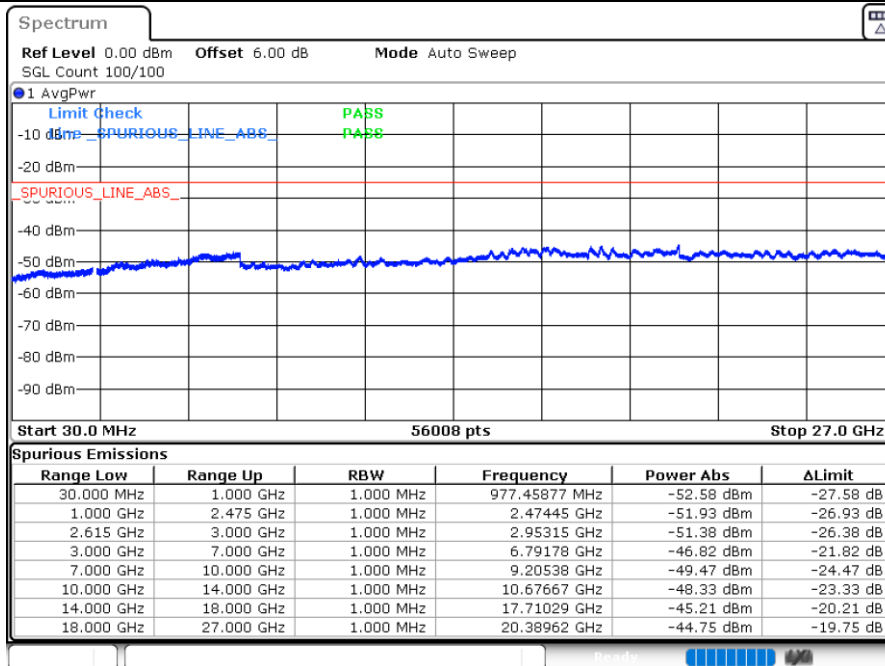


Date: 20.MAR.2025 16:50:55



Date: 20.MAR.2025 17:06:28

## Highest Channel / QPSK



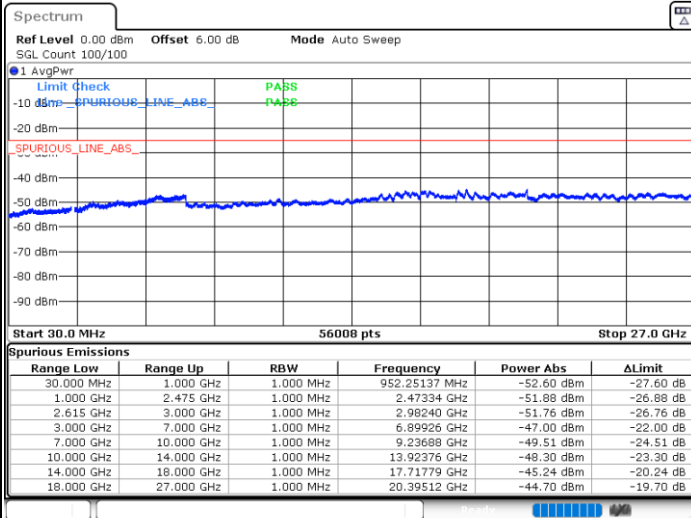
Date: 20.MAR.2025 17:10:01



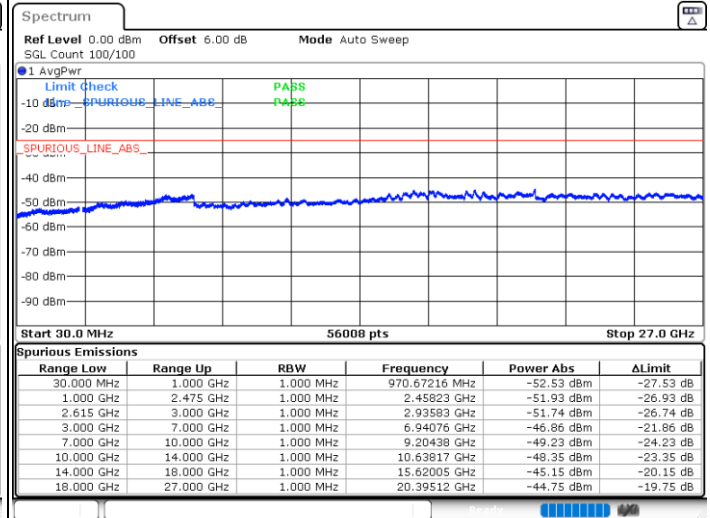
## LTE Band 7 / 20MHz+15MHz

## Lowest Channel / QPSK

## Middle Channel / QPSK

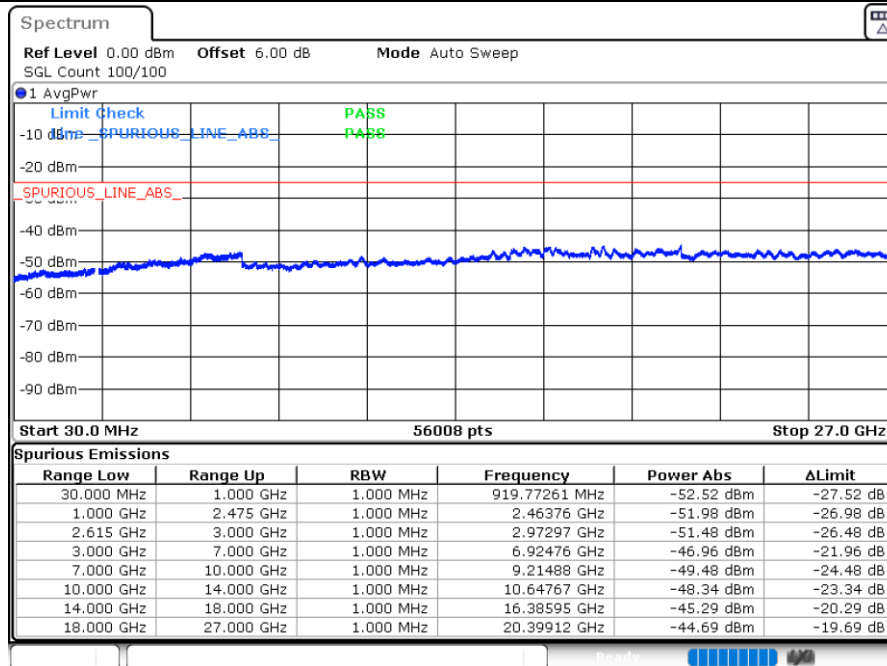


Date: 20.MAR.2025 17:25:32



Date: 20.MAR.2025 17:41:04

## Highest Channel / QPSK



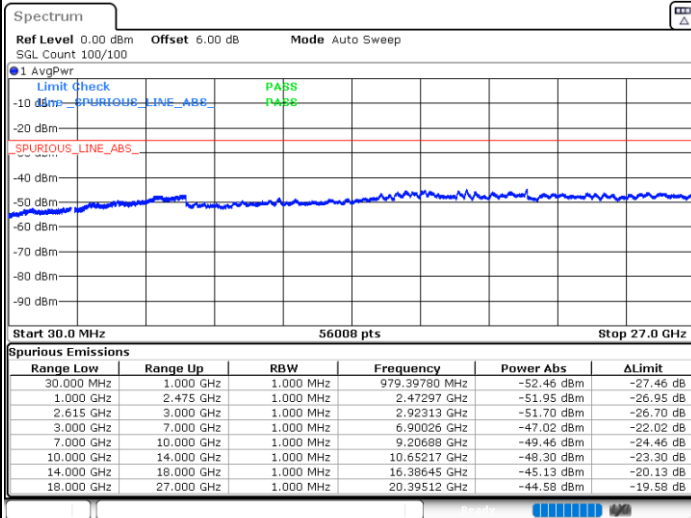
Date: 20.MAR.2025 17:44:39



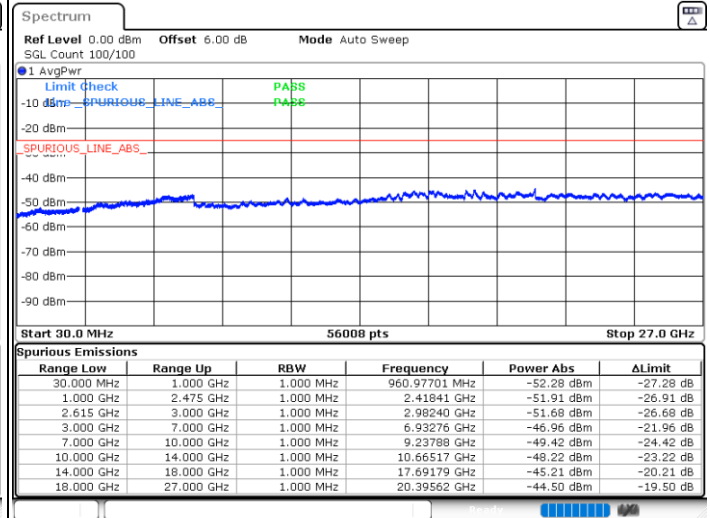
## LTE Band 7 /20MHz+20MHz

## Lowest Channel / QPSK

## Middle Channel / QPSK

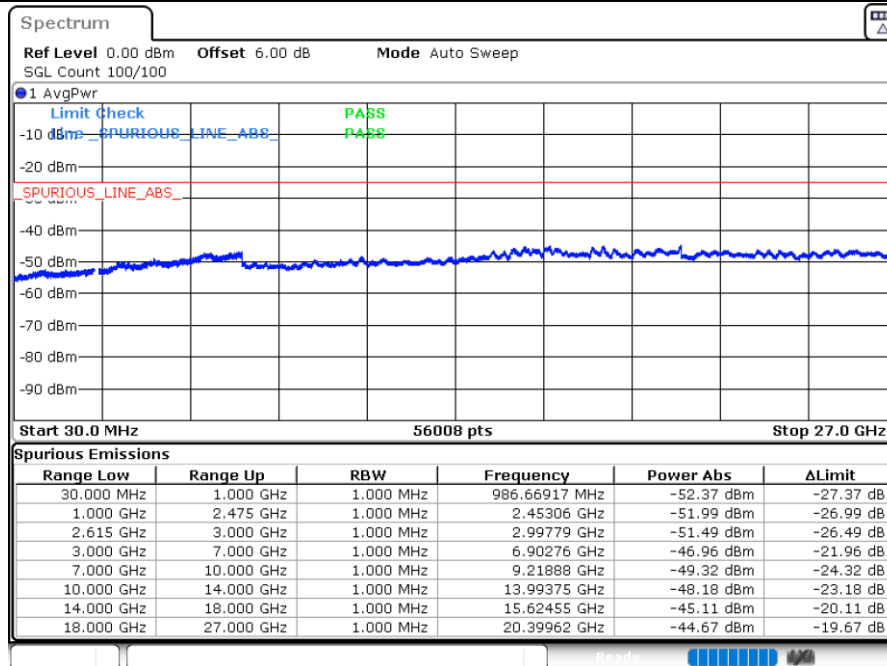


Date: 20.MAR.2025 18:00:13



Date: 20.MAR.2025 18:15:47

## Highest Channel / QPSK



Date: 20.MAR.2025 18:19:22

## Frequency Stability

| Test Conditions  |                   | LTE Band 7 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 20+20MHz                        | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0019                             | PASS    |
| 40               | Normal Voltage    | 0.0022                             |         |
| 30               | Normal Voltage    | 0.0006                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0011                             |         |
| 0                | Normal Voltage    | 0.0025                             |         |
| -10              | Normal Voltage    | 0.0029                             |         |
| -20              | Normal Voltage    | 0.0013                             |         |
| -30              | Normal Voltage    | 0.0028                             |         |
| 20               | Maximum Voltage   | 0.0014                             |         |
| 20               | Normal Voltage    | 0.0021                             |         |
| 20               | Battery End Point | 0.0023                             |         |

**Note:**

1. Normal Voltage =3.81 V.; Battery End Point (BEP) =3.4V.; Maximum Voltage =4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

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

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

| LTE Band 7 / 20MHz / QPSK/ ANT1 |                   |              |               |                   |                   |                    |                      |                       |                    |
|---------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                          | 5052.00           | -60.93       | -25           | -35.93            | -82.94            | -66.49             | 7.14                 | 12.70                 | H                  |
|                                 | 7578.00           | -55.01       | -25           | -30.01            | -81.66            | -58.31             | 8.30                 | 11.60                 | H                  |
|                                 | 10104.00          | -49.37       | -25           | -24.37            | -80.78            | -50.89             | 10.48                | 12.00                 | H                  |
|                                 | 5052.00           | -60.96       | -25           | -35.96            | -83.09            | -66.52             | 7.14                 | 12.70                 | V                  |
|                                 | 7578.00           | -54.92       | -25           | -29.92            | -81.53            | -58.22             | 8.30                 | 11.60                 | V                  |
|                                 | 10104.00          | -51.08       | -25           | -26.08            | -81.09            | -52.60             | 10.48                | 12.00                 | V                  |

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

| EN-DC_7A_n66A / LTE 20MHz + NR 45MHz / QPSK (ANT1+4) |                   |              |               |                   |                   |                    |                      |                       |                    |
|------------------------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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) |
| NR n66 Middle                                        | 3447              | -61.55       | -13           | -48.55            | -78.32            | -68.40             | 5.65                 | 12.50                 | H                  |
|                                                      | 5170.5            | -60.26       | -13           | -47.26            | -82.09            | -65.93             | 7.13                 | 12.80                 | H                  |
|                                                      | 6894              | -56.13       | -13           | -43.13            | -81.70            | -59.53             | 8.40                 | 11.80                 | H                  |
|                                                      | 3447              | -61.62       | -13           | -48.62            | -78.43            | -68.47             | 5.65                 | 12.50                 | V                  |
|                                                      | 5170.5            | -59.98       | -13           | -46.98            | -82.08            | -65.65             | 7.13                 | 12.80                 | V                  |
|                                                      | 6894              | -55.63       | -13           | -42.63            | -81.68            | -59.03             | 8.40                 | 11.80                 | V                  |
| LTE Band7 Middle                                     | 5052.00           | -60.38       | -25           | -35.38            | -82.39            | -65.94             | 7.14                 | 12.70                 | H                  |
|                                                      | 7578.00           | -54.18       | -25           | -29.18            | -80.83            | -57.48             | 8.30                 | 11.60                 | H                  |
|                                                      | 10104.00          | -49.77       | -25           | -24.77            | -81.18            | -51.29             | 10.48                | 12.00                 | H                  |
|                                                      | 5052.00           | -60.27       | -25           | -35.27            | -82.4             | -65.83             | 7.14                 | 12.70                 | V                  |
|                                                      | 7578.00           | -54.40       | -25           | -29.40            | -81.01            | -57.70             | 8.30                 | 11.60                 | V                  |
|                                                      | 10104.00          | -51.26       | -25           | -26.26            | -81.27            | -52.78             | 10.48                | 12.00                 | V                  |

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



| LTE CA_7C/ 20MHz+20MHz / QPSK/ ANT1 |                   |              |               |                   |                   |                    |                      |                       |                    |
|-------------------------------------|-------------------|--------------|---------------|-------------------|-------------------|--------------------|----------------------|-----------------------|--------------------|
| 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                              | 5070.00           | -61.09       | -25           | -36.09            | -83.08            | -66.65             | 7.14                 | 12.70                 | H                  |
|                                     | 7605.00           | -54.67       | -25           | -29.67            | -81.31            | -57.97             | 8.30                 | 11.60                 | H                  |
|                                     | 10140.00          | -49.77       | -25           | -24.77            | -81.13            | -51.29             | 10.48                | 12.00                 | H                  |
|                                     | 5070.00           | -60.94       | -25           | -35.94            | -83.07            | -66.50             | 7.14                 | 12.70                 | V                  |
|                                     | 7605.00           | -54.93       | -25           | -29.93            | -81.51            | -58.23             | 8.30                 | 11.60                 | V                  |
|                                     | 10140.00          | -52.19       | -25           | -27.19            | -82.22            | -53.71             | 10.48                | 12.00                 | V                  |

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

| 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              | -65.17      | -13           | -52.17            | -75.90            | -68.42             | 4.00                 | 9.40                  | H                  |
|                                 | 2109              | -64.41      | -13           | -51.41            | -77.45            | -67.98             | 4.88                 | 10.60                 | H                  |
|                                 | 2812              | -62.34      | -13           | -49.34            | -78.36            | -67.27             | 5.52                 | 12.60                 | H                  |
|                                 | 1406              | -65.69      | -13           | -52.69            | -75.98            | -68.94             | 4.00                 | 9.40                  | V                  |
|                                 | 2109              | -64.09      | -13           | -51.09            | -77.08            | -67.66             | 4.88                 | 10.60                 | V                  |
|                                 | 2812              | -62.11      | -13           | -49.11            | -78.32            | -67.04             | 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            | -62.59      | -42.15        | -20.44            | -72.61            | -65.84             | 4.00                 | 9.40                  | H                  |
|                                | 2339.25           | -62.47      | -13           | -49.47            | -77.22            | -66.04             | 4.88                 | 10.60                 | H                  |
|                                | 3119              | -61.68      | -13           | -48.68            | -78.81            | -66.61             | 5.52                 | 12.60                 | H                  |
|                                | 1559.5            | -54.14      | -42.15        | -11.99            | -64.24            | -57.39             | 4.00                 | 9.40                  | V                  |
|                                | 2339.25           | -63.73      | -13           | -50.73            | -78.48            | -67.30             | 4.88                 | 10.60                 | V                  |
|                                | 3119              | -61.70      | -13           | -48.70            | -78.87            | -66.63             | 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            | -61.75      | -42.15        | -19.60            | -71.77            | -65.00             | 4.00                 | 9.40                  | H                  |
|                                 | 2339.25           | -63.81      | -13           | -50.81            | -78.56            | -67.38             | 4.88                 | 10.60                 | H                  |
|                                 | 3119              | -61.56      | -13           | -48.56            | -78.69            | -66.49             | 5.52                 | 12.60                 | H                  |
|                                 | 1559.5            | -56.57      | -42.15        | -14.42            | -66.67            | -59.82             | 4.00                 | 9.40                  | V                  |
|                                 | 2339.25           | -62.42      | -13           | -49.42            | -77.17            | -65.99             | 4.88                 | 10.60                 | V                  |
|                                 | 3119              | -61.57      | -13           | -48.57            | -78.74            | -66.50             | 5.52                 | 12.60                 | V                  |

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



| LTE Band 41 / 20MHz / QPSK/ ANT1 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|----------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                          | Frequency<br>( MHz ) | EIRP<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                           | 5168.00              | -60.65          | -25              | -35.65                  | -82.47                  | -66.21                   | 7.14                       | 12.70                       | H                     |
|                                  | 7752.00              | -54.92          | -25              | -29.92                  | -81.71                  | -58.22                   | 8.30                       | 11.60                       | H                     |
|                                  | 10336.00             | -51.05          | -25              | -26.05                  | -82.18                  | -52.57                   | 10.48                      | 12.00                       | H                     |
|                                  | 5168.00              | -60.54          | -25              | -35.54                  | -82.63                  | -66.10                   | 7.14                       | 12.70                       | V                     |
|                                  | 7752.00              | -54.93          | -25              | -29.93                  | -81.57                  | -58.23                   | 8.30                       | 11.60                       | V                     |
|                                  | 10336.00             | -51.89          | -25              | -26.89                  | -82.11                  | -53.41                   | 10.48                      | 12.00                       | V                     |

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

| EN-DC_41A_n78A / LTE 20MHz + NR 45MHz / QPSK (ANT1+5) |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-------------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                               | Frequency<br>( MHz ) | EIRP<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) |
| NR n78<br>Middle                                      | 7404.00              | -60.17          | -13              | -47.17                  | -66.11                  | -63.47                   | 8.30                       | 11.60                       | H                     |
|                                                       | 11106.00             | -55.08          | -13              | -42.08                  | -68.38                  | -56.60                   | 10.48                      | 12.00                       | H                     |
|                                                       | 14808.00             | -49.70          | -13              | -36.70                  | -67.56                  | -51.40                   | 11.80                      | 13.50                       | H                     |
|                                                       | 7404.00              | -60.12          | -13              | -47.12                  | -66.08                  | -63.42                   | 8.30                       | 11.60                       | V                     |
|                                                       | 11106.00             | -55.60          | -13              | -42.60                  | -68.61                  | -57.12                   | 10.48                      | 12.00                       | V                     |
|                                                       | 14808.00             | -49.83          | -13              | -36.83                  | -67.14                  | -51.53                   | 11.80                      | 13.50                       | V                     |
| LTE<br>Band41<br>Middle                               | 5168.00              | -60.21          | -25              | -35.21                  | -82.03                  | -65.77                   | 7.14                       | 12.70                       | H                     |
|                                                       | 7752.00              | -59.40          | -25              | -34.40                  | -65.34                  | -62.70                   | 8.30                       | 11.60                       | H                     |
|                                                       | 10336.00             | -56.29          | -25              | -31.29                  | -68.02                  | -57.81                   | 10.48                      | 12.00                       | H                     |
|                                                       | 5168.00              | -59.93          | -25              | -34.93                  | -82.02                  | -65.49                   | 7.14                       | 12.70                       | V                     |
|                                                       | 7752.00              | -59.56          | -25              | -34.56                  | -65.35                  | -62.86                   | 8.30                       | 11.60                       | V                     |
|                                                       | 10336.00             | -57.04          | -25              | -32.04                  | -67.86                  | -58.56                   | 10.48                      | 12.00                       | V                     |

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