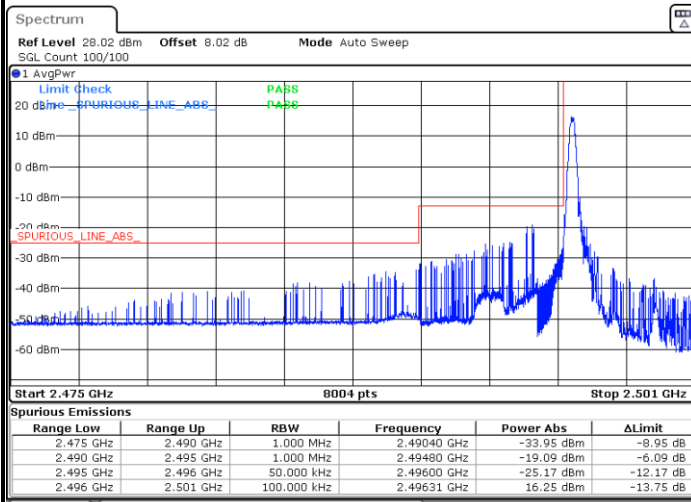




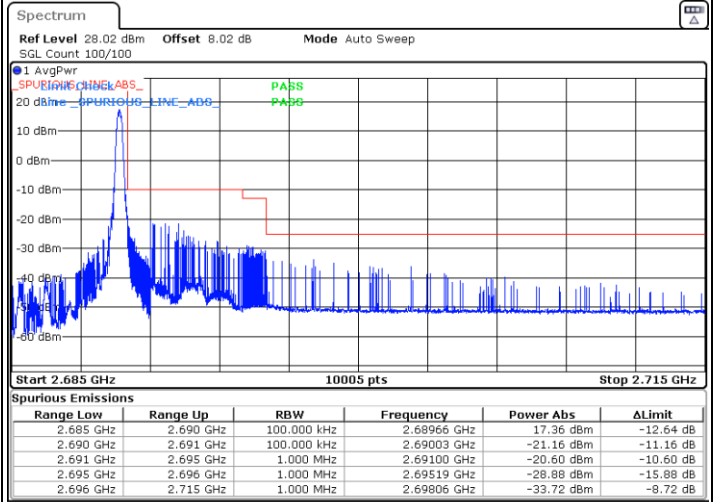
## LTE Band 41 / 5MHz / 16QAM

## Lowest Band Edge / 1RB



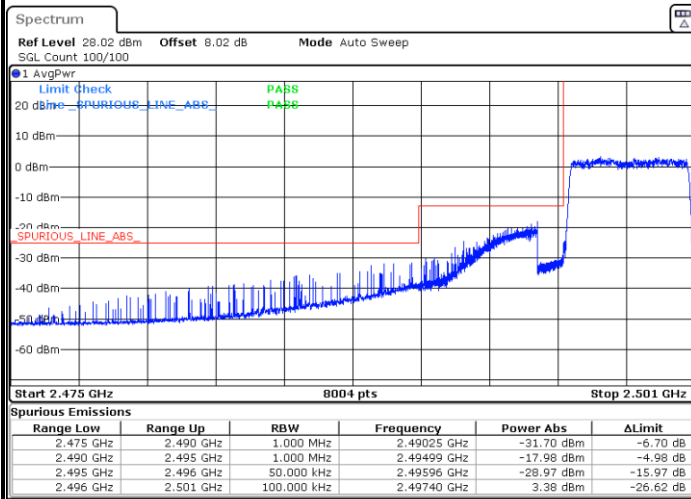
Date: 17.DEC.2021 18:27:53

## Highest Band Edge / 1 RB



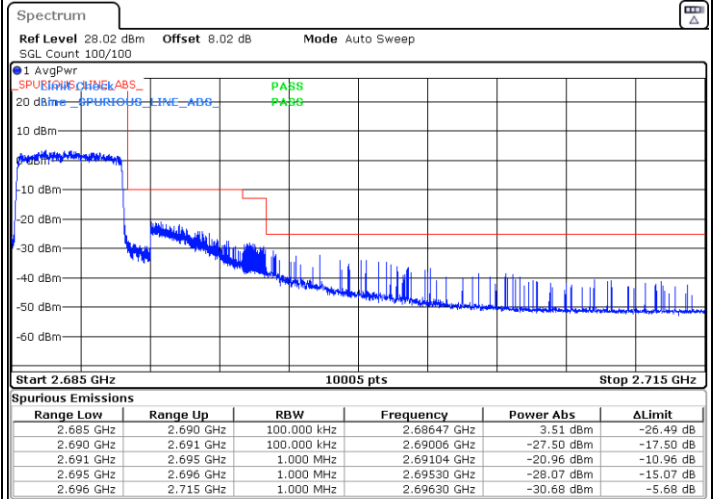
Date: 17.DEC.2021 18:41:08

## Lowest Band Edge / Full RB



Date: 17.DEC.2021 18:32:07

## Highest Band Edge / Full RB

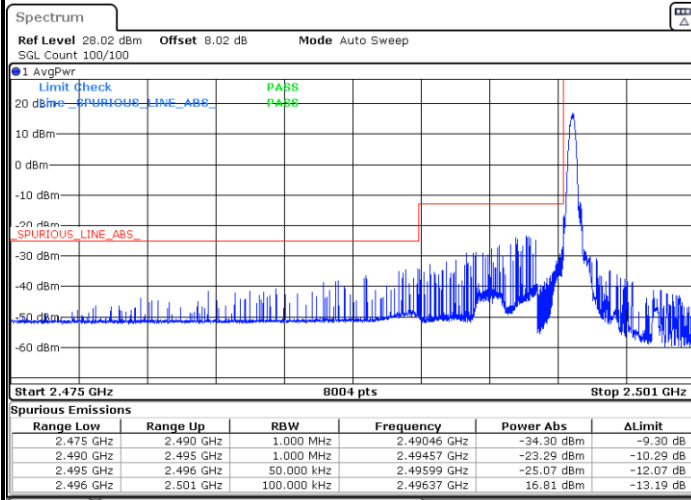


Date: 17.DEC.2021 18:45:18



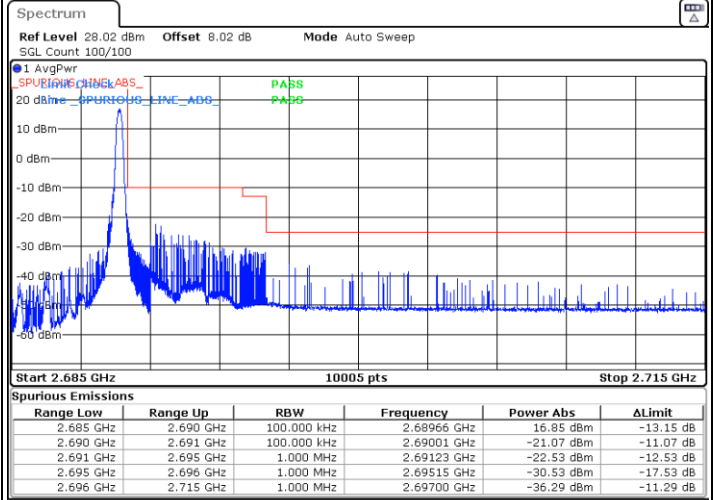
## LTE Band 41 / 5MHz / 64QAM

## Lowest Band Edge / 1RB



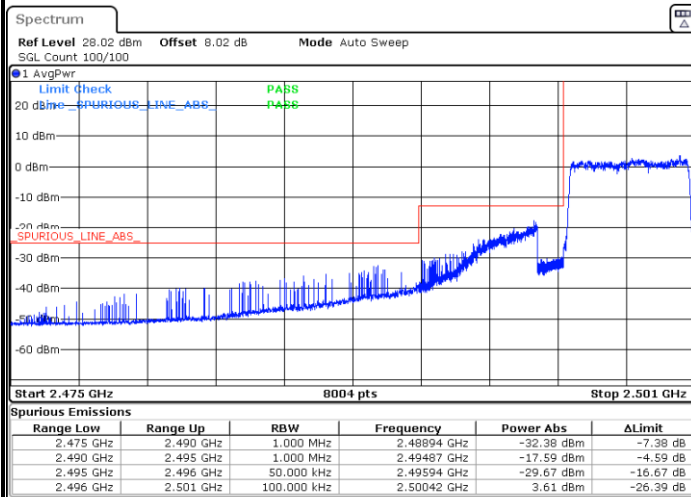
Date: 17.DEC.2021 18:29:17

## Highest Band Edge / 1 RB



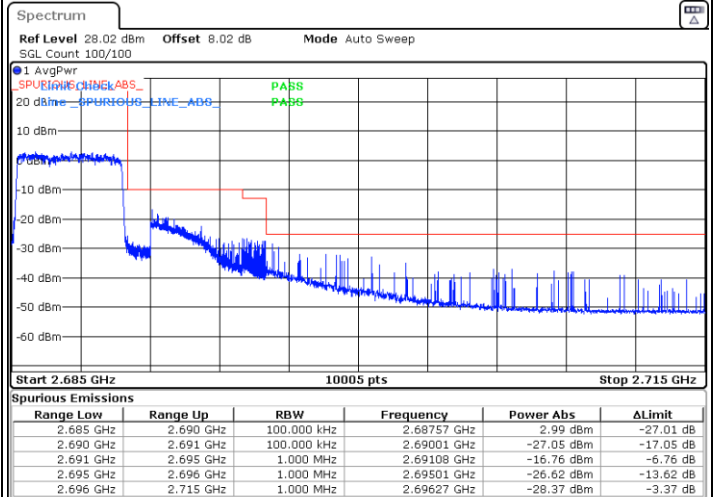
Date: 17.DEC.2021 18:42:31

## Lowest Band Edge / Full RB



Date: 17.DEC.2021 18:30:43

## Highest Band Edge / Full RB

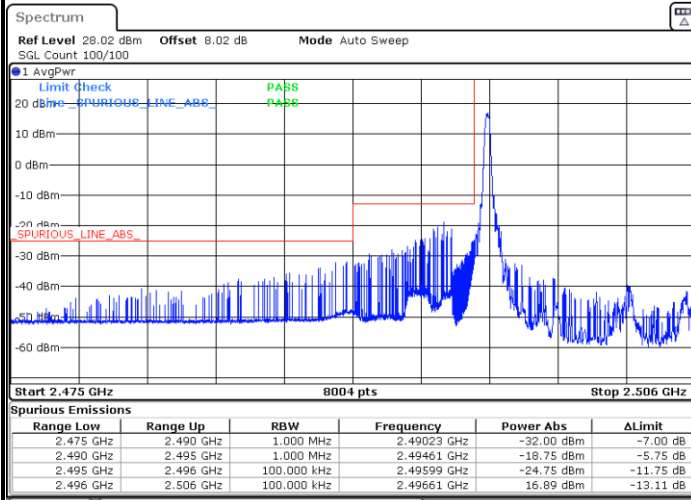


Date: 17.DEC.2021 18:43:54

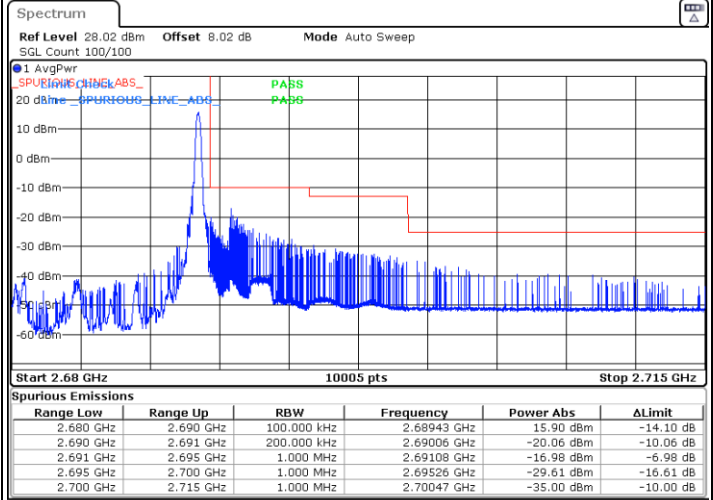


## LTE Band 41 / 10MHz / QPSK

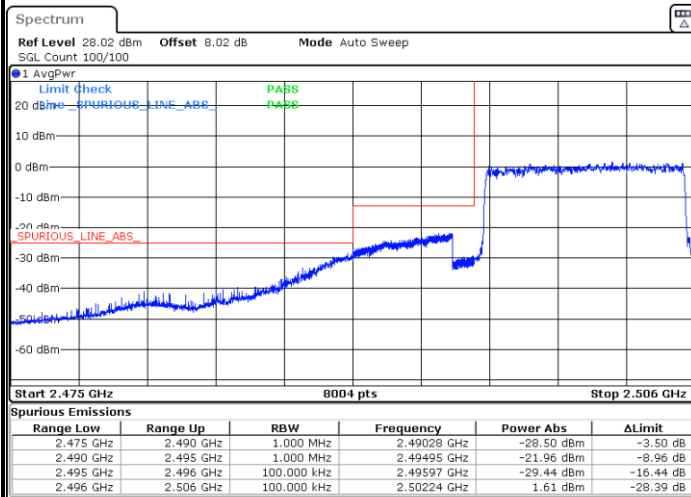
## Lowest Band Edge / 1 RB



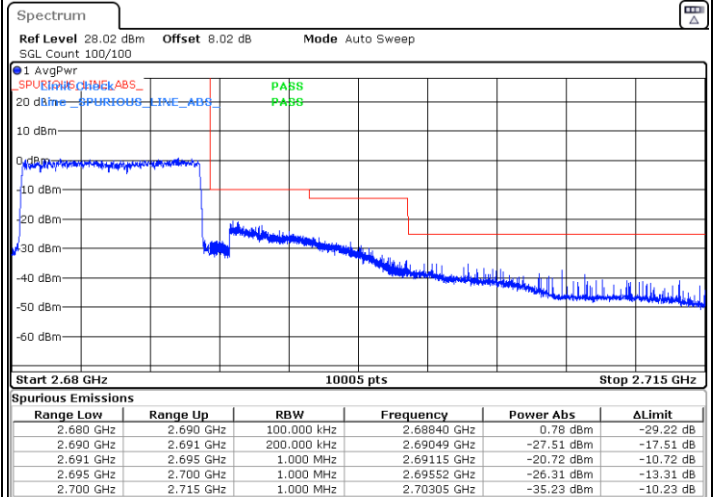
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



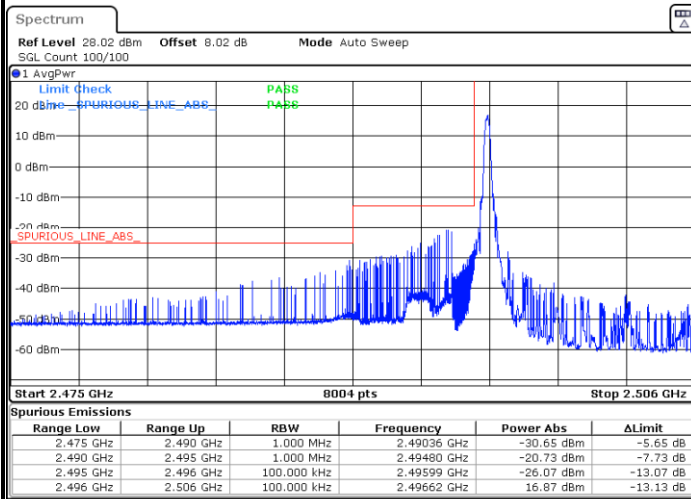
## Highest Band Edge / Full RB



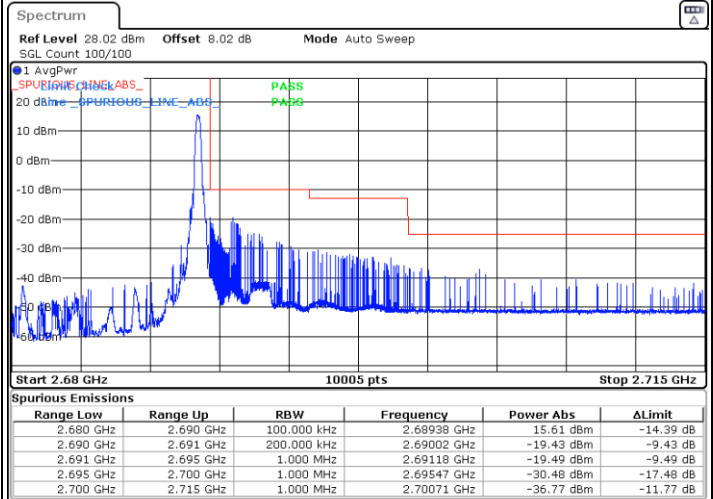


## LTE Band 41 / 10MHz / 16QAM

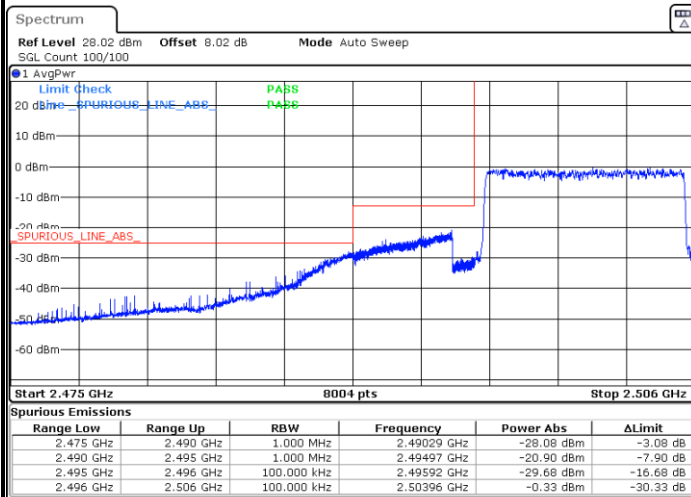
## Lowest Band Edge / 1 RB



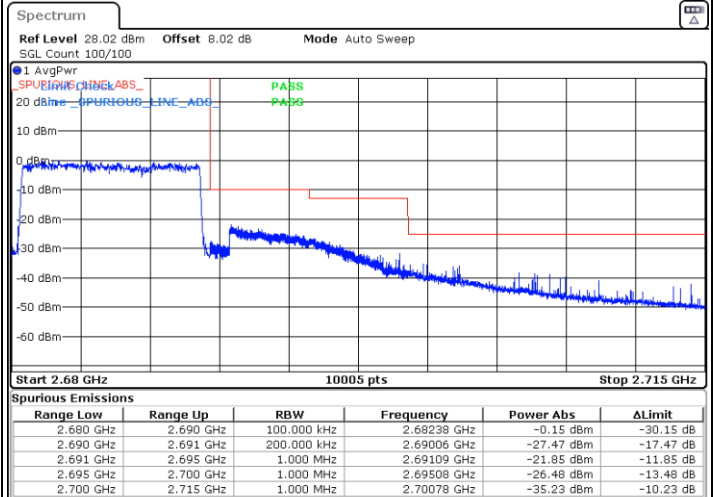
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



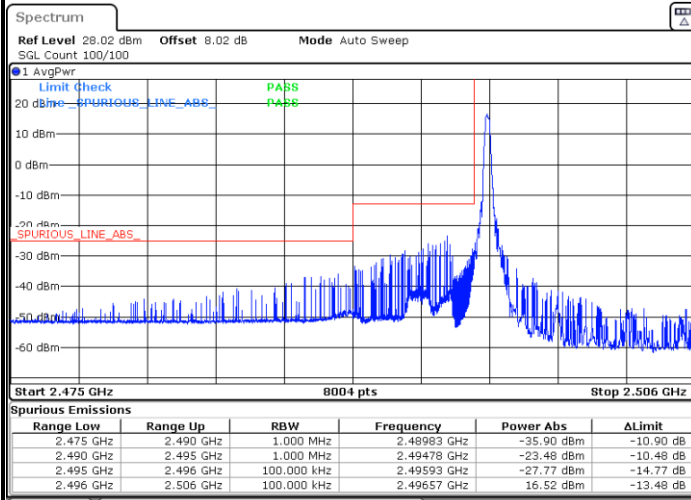
## Highest Band Edge / Full RB



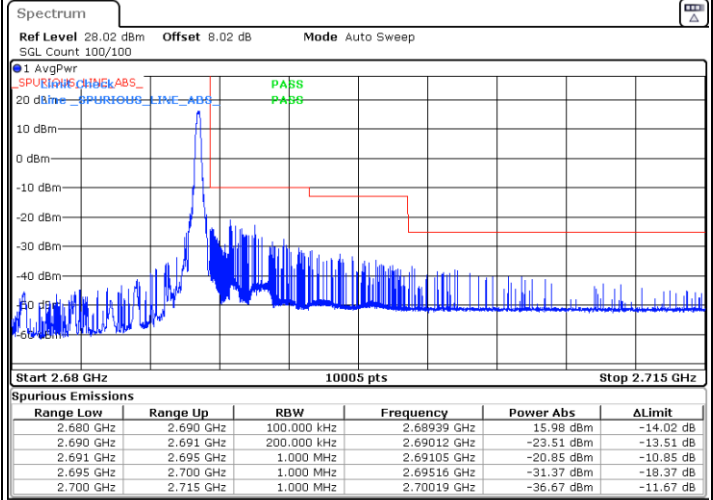


## LTE Band 41 / 10MHz / 64QAM

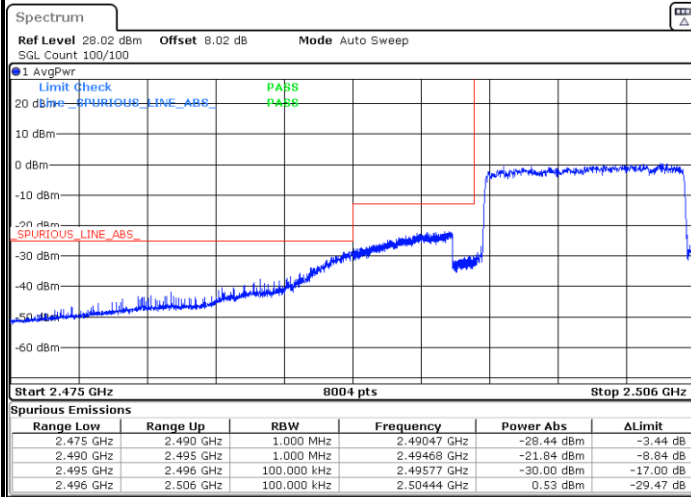
## Lowest Band Edge / 1 RB



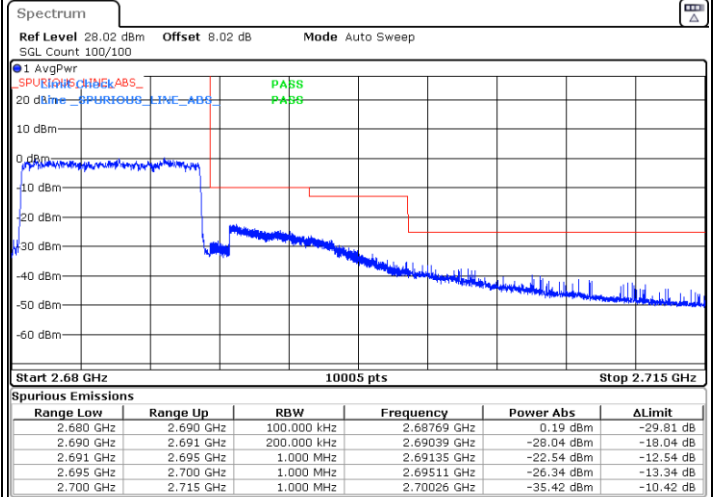
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



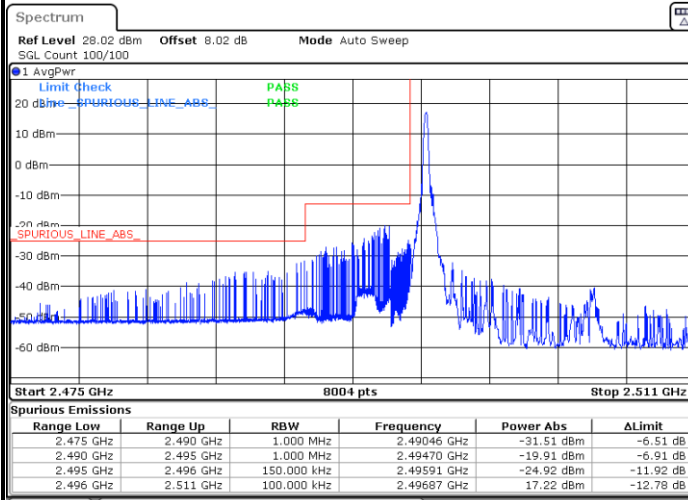
## Highest Band Edge / Full RB





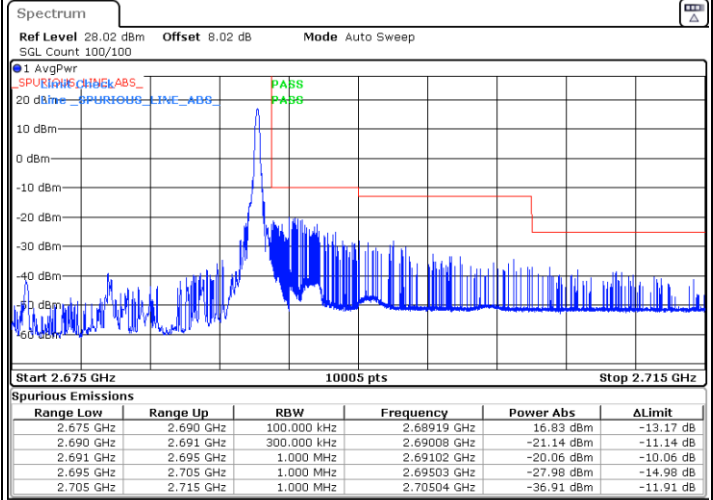
## LTE Band 41 / 15MHz / QPSK

## Lowest Band Edge / 1 RB



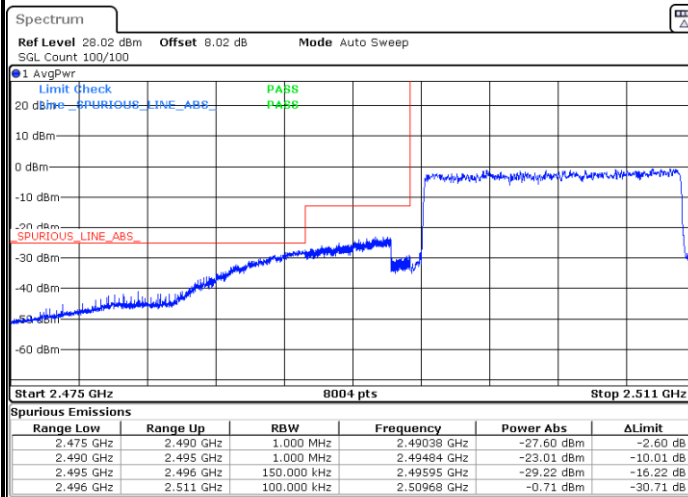
Date: 17.DEC.2021 19:14:17

## Highest Band Edge / 1 RB



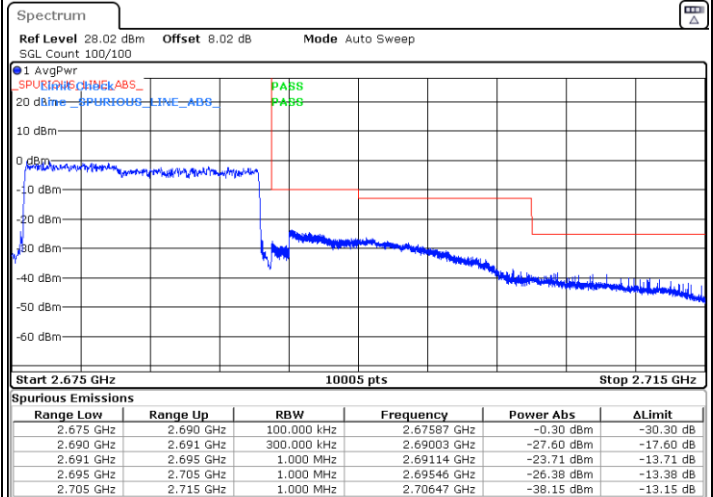
Date: 17.DEC.2021 19:27:34

## Lowest Band Edge / Full RB



Date: 17.DEC.2021 19:21:22

## Highest Band Edge / Full RB

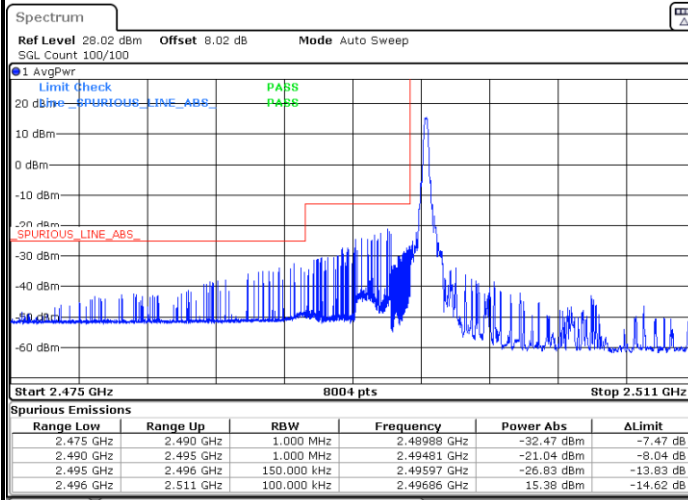


Date: 17.DEC.2021 19:34:30

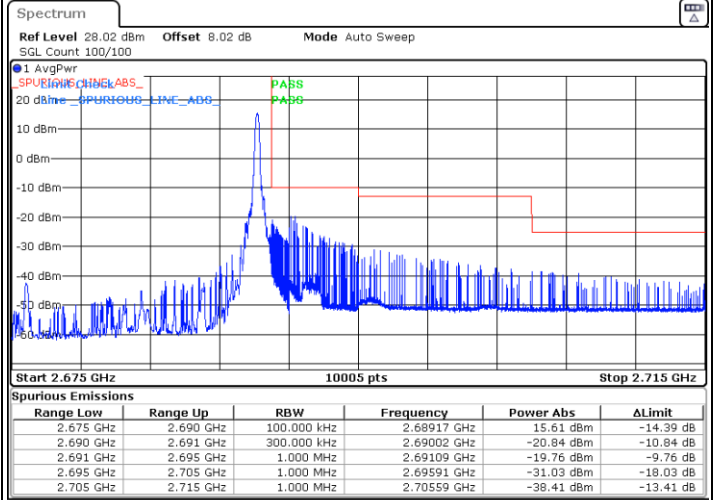


## LTE Band 41 / 15MHz / 16QAM

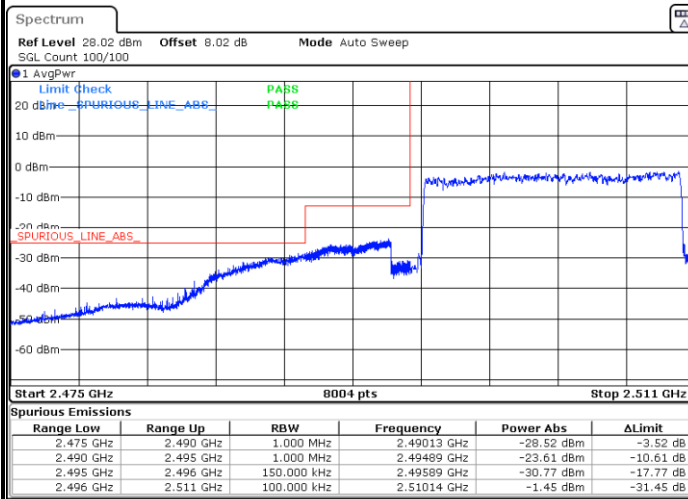
## Lowest Band Edge / 1 RB



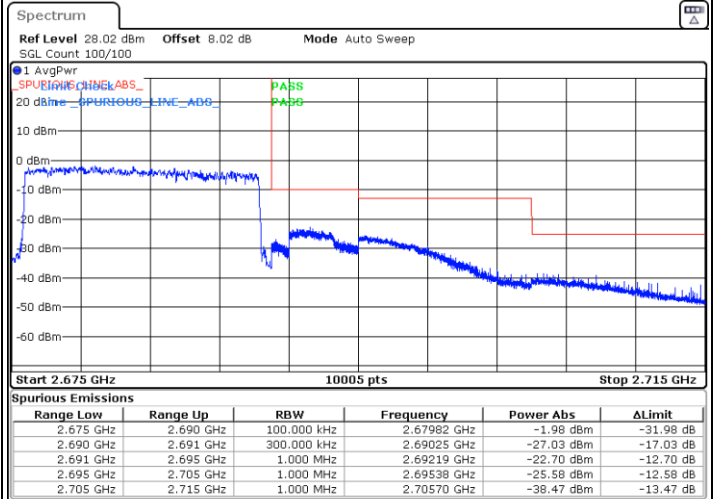
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



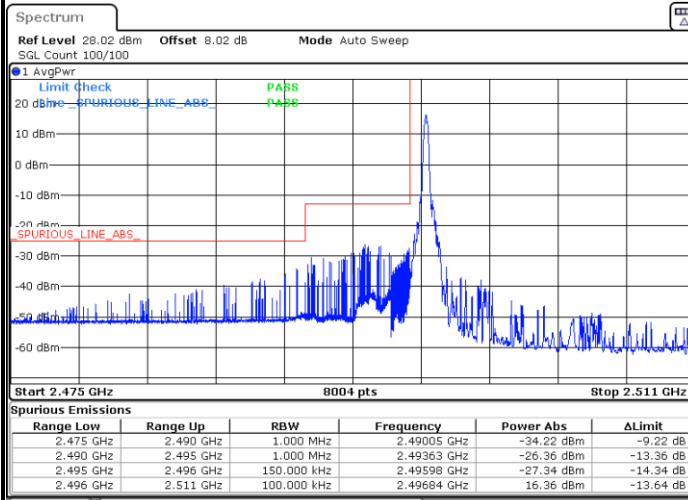
## Highest Band Edge / Full RB



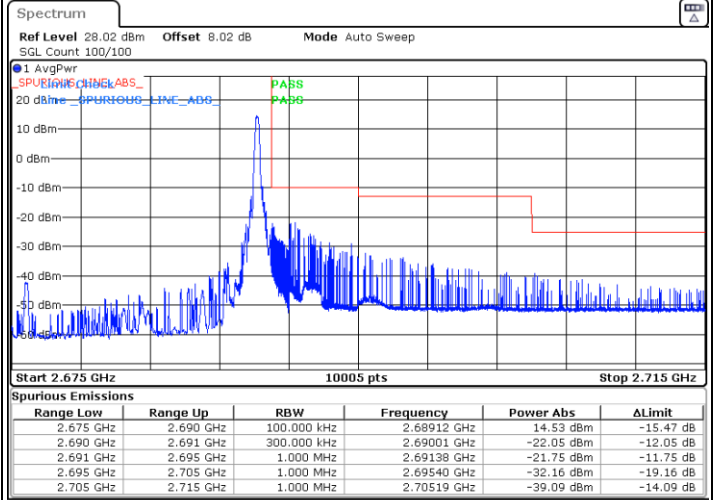


## LTE Band 41 / 15MHz / 64QAM

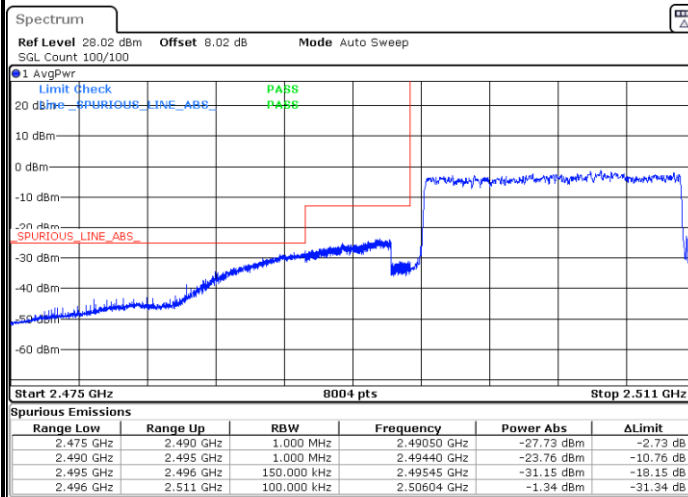
## Lowest Band Edge / 1 RB



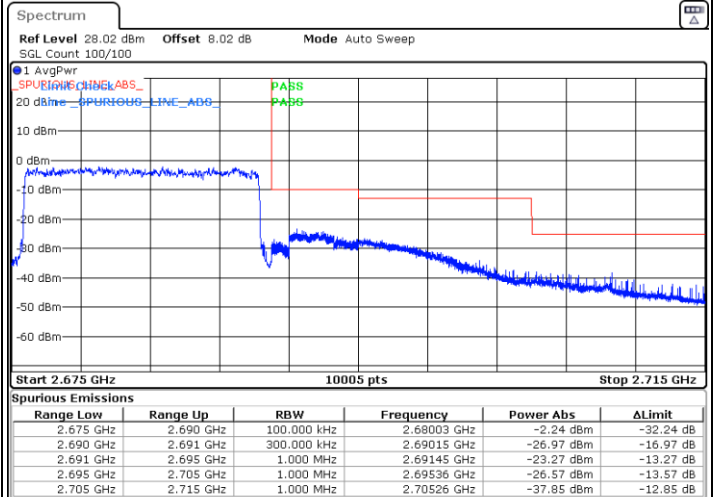
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



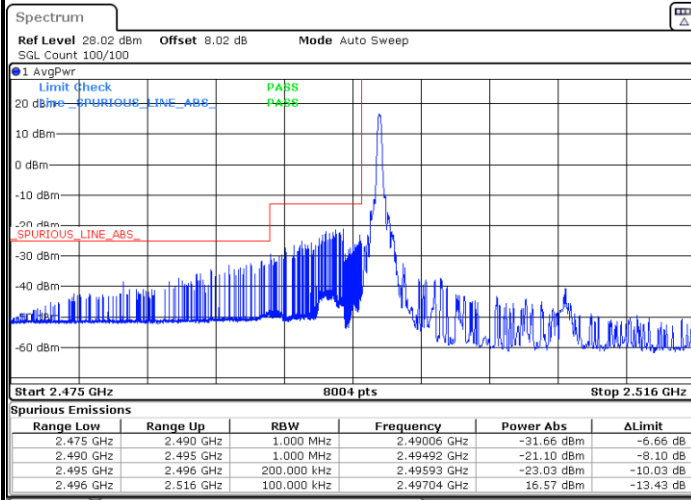
## Highest Band Edge / Full RB



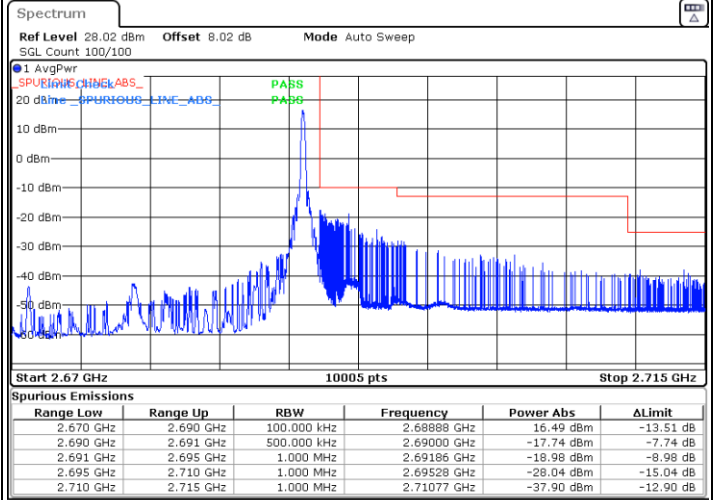


## LTE Band 41 / 20MHz / QPSK

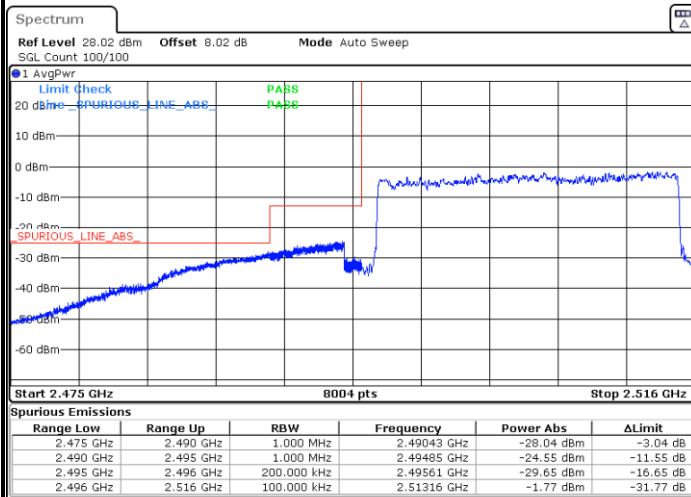
## Lowest Band Edge / 1 RB



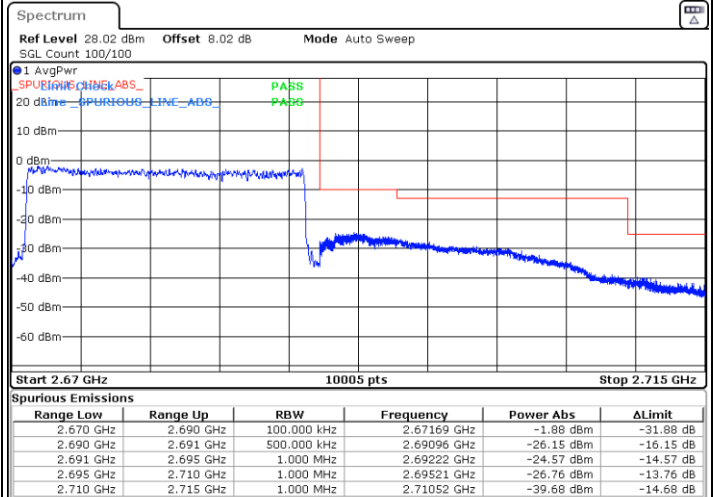
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



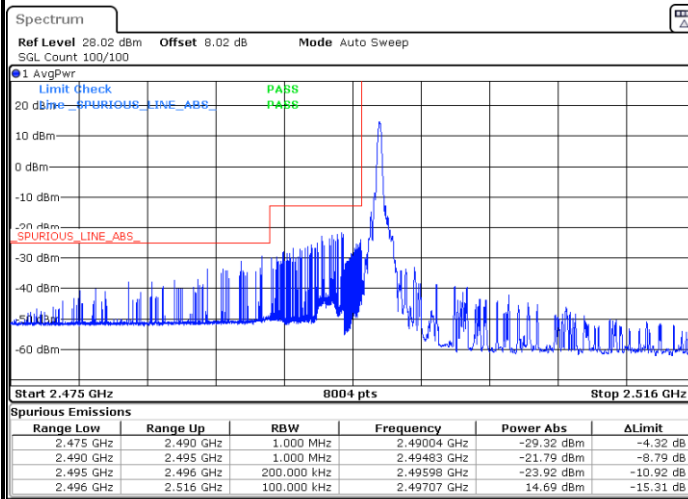
## Highest Band Edge / Full RB



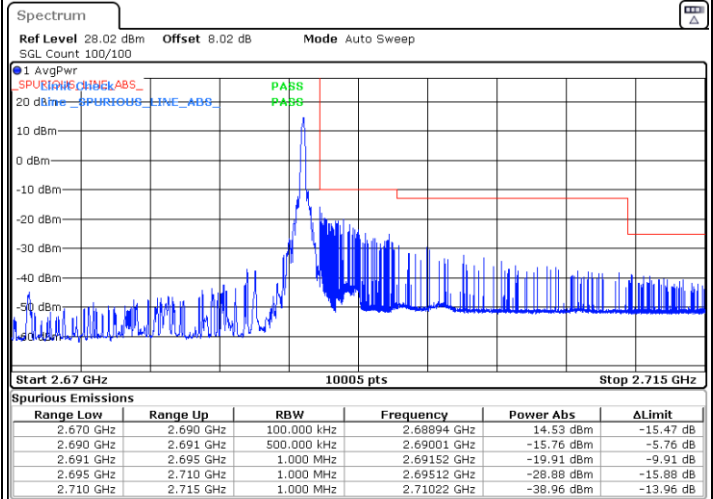


## LTE Band 41 / 20MHz / 16QAM

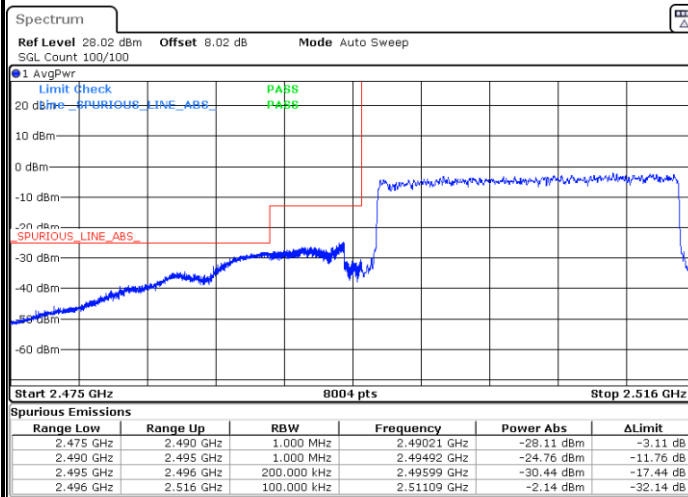
## Lowest Band Edge / 1 RB



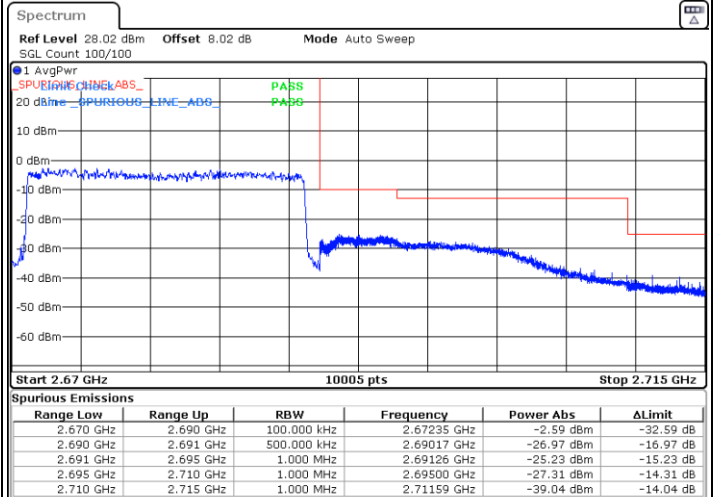
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



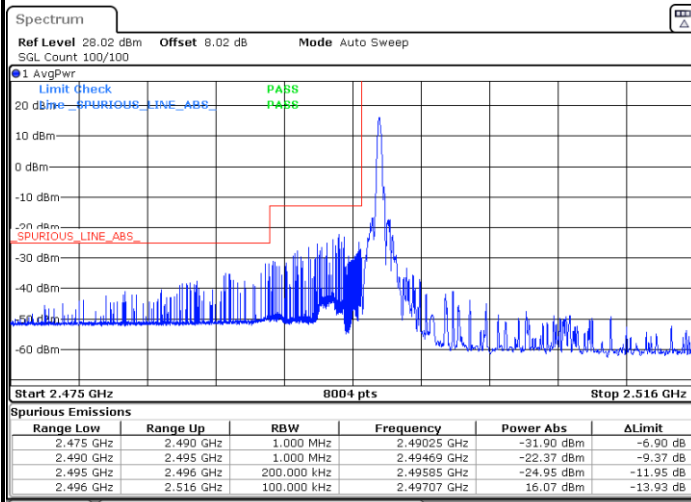
## Highest Band Edge / Full RB





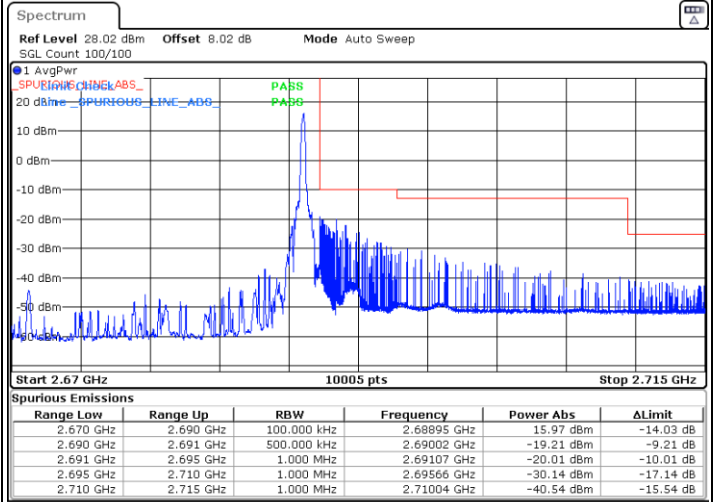
## LTE Band 41 / 20MHz / 64QAM

## Lowest Band Edge / 1 RB



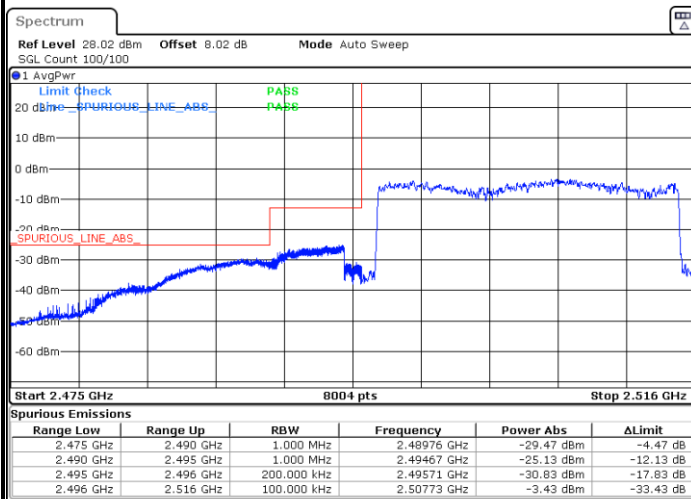
Date: 17.DEC.2021 19:41:02

## Highest Band Edge / 1 RB



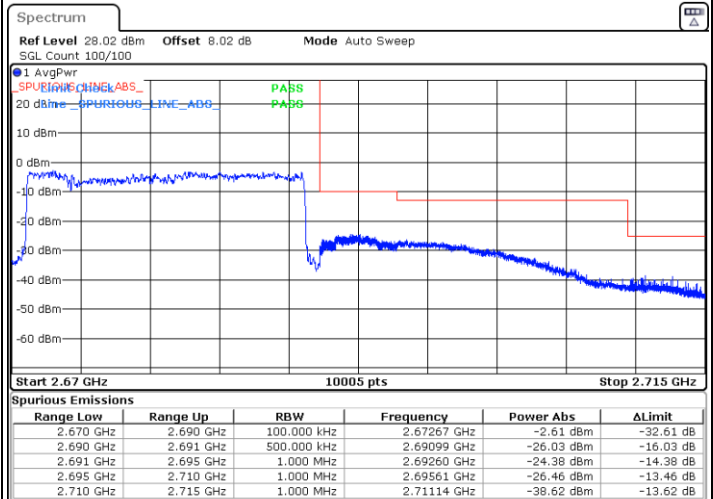
Date: 17.DEC.2021 19:54:15

## Lowest Band Edge / Full RB



Date: 17.DEC.2021 19:42:26

## Highest Band Edge / Full RB



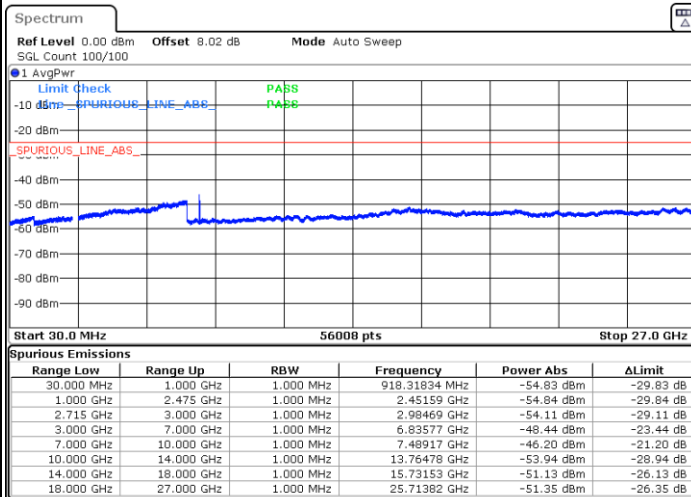
Date: 17.DEC.2021 19:55:38



## Conducted Spurious Emission

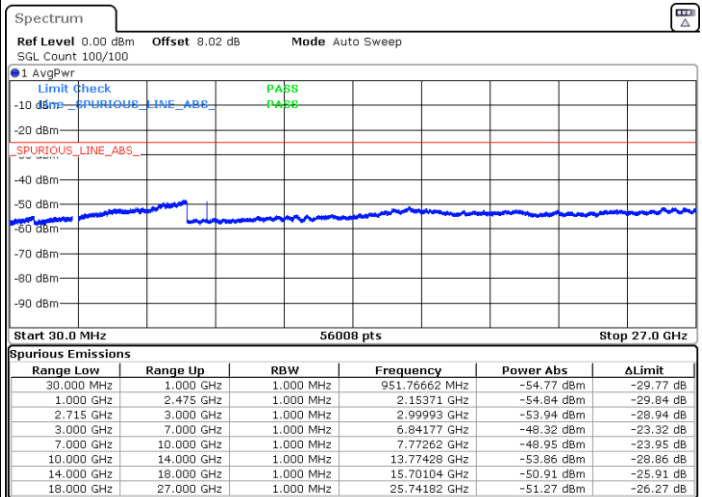
### LTE Band 41 / 5MHz

#### Lowest Channel / QPSK



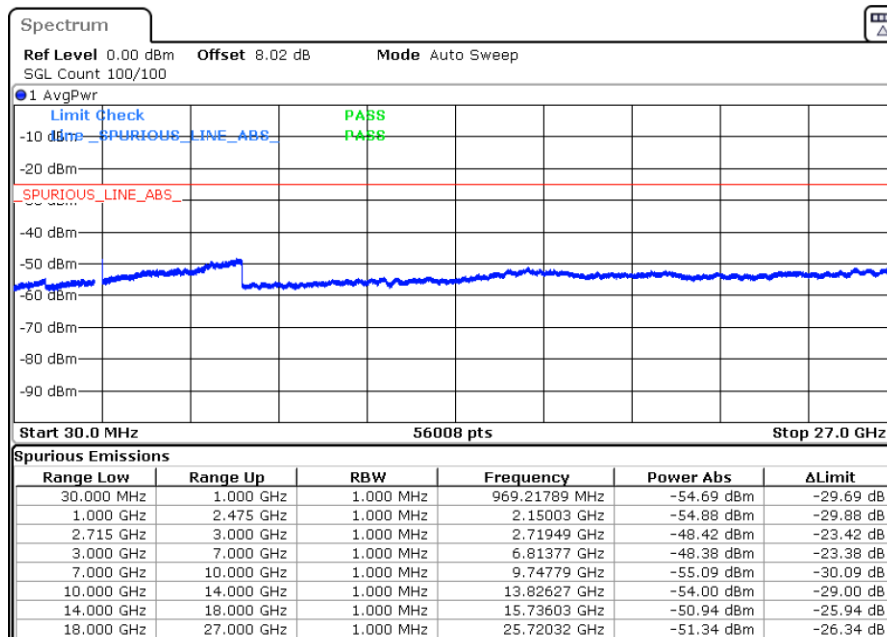
Date: 17.DEC.2021 18:25:10

#### Middle Channel / QPSK



Date: 17.DEC.2021 18:35:56

#### Highest Channel / QPSK

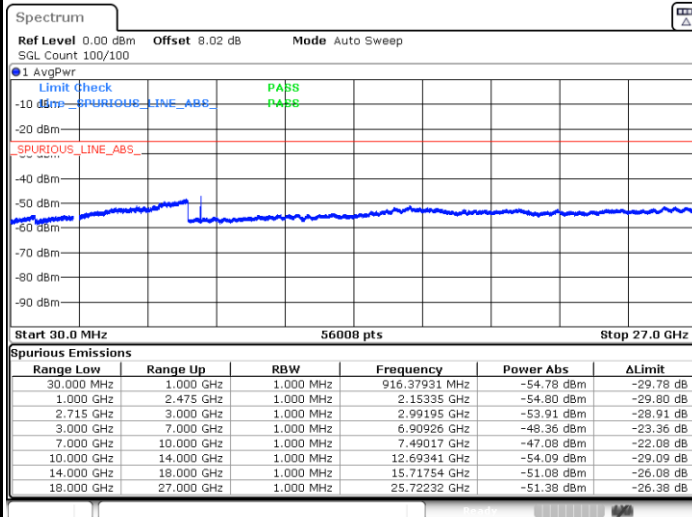


Date: 17.DEC.2021 18:38:20



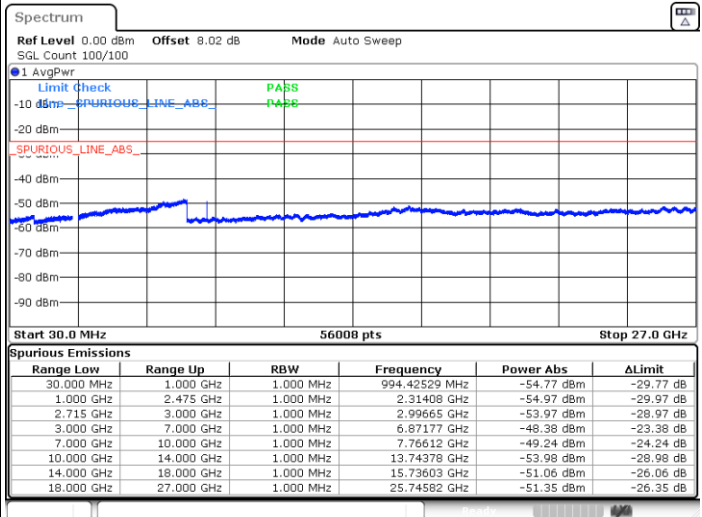
## LTE Band 41 / 10MHz

## Lowest Channel / QPSK



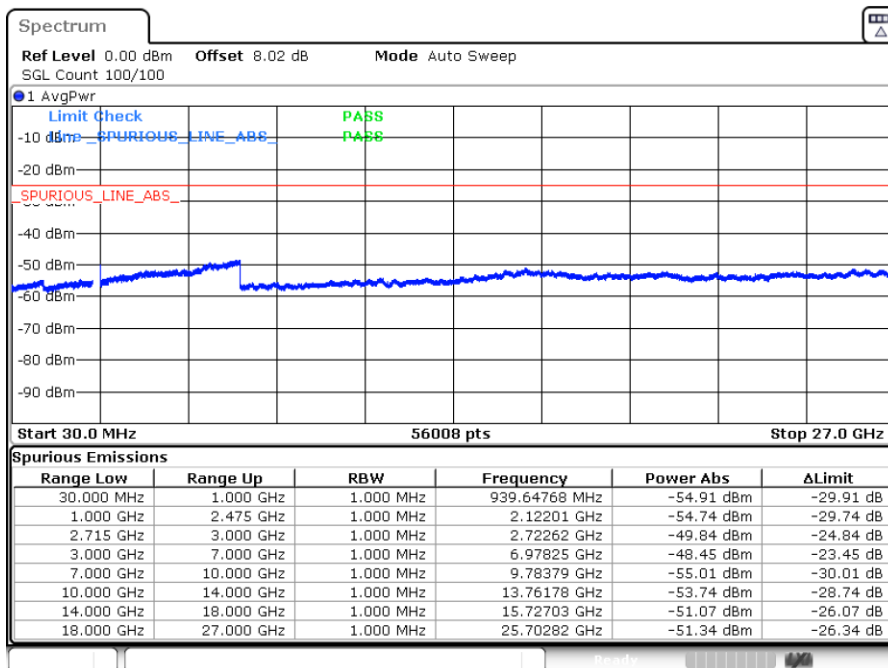
Date: 17.DEC.2021 18:49:06

## Middle Channel / QPSK



Date: 17.DEC.2021 18:59:52

## Highest Channel / QPSK

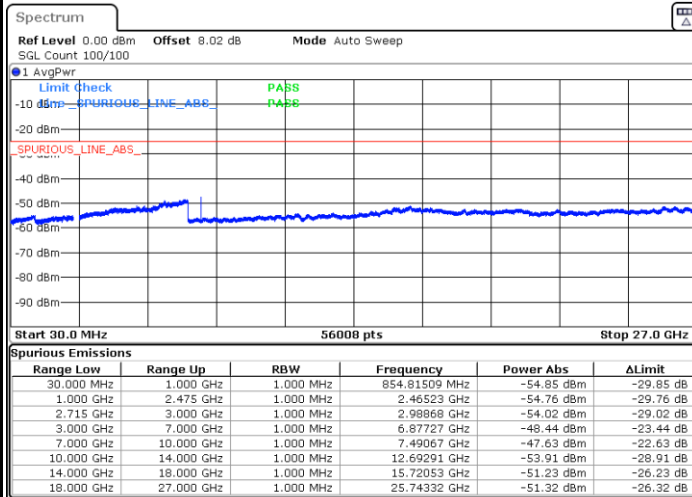


Date: 17.DEC.2021 19:02:15



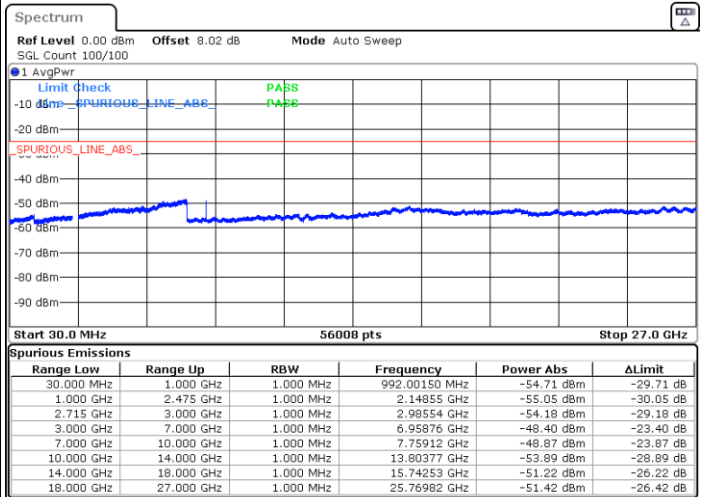
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



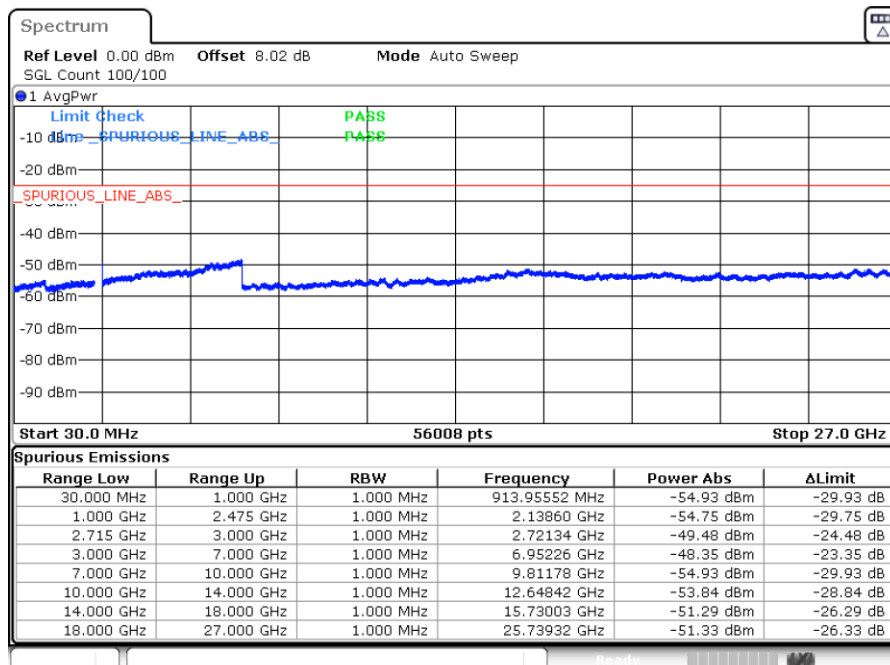
Date: 17.DEC.2021 19:13:01

## Middle Channel / QPSK



Date: 17.DEC.2021 19:23:46

## Highest Channel / QPSK

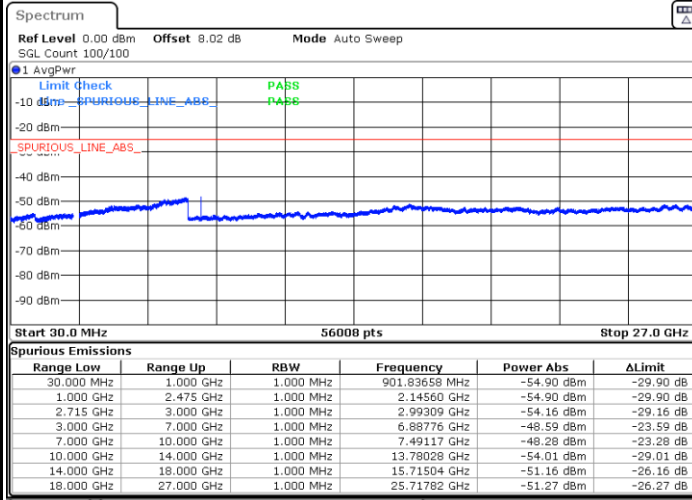


Date: 17.DEC.2021 19:26:10



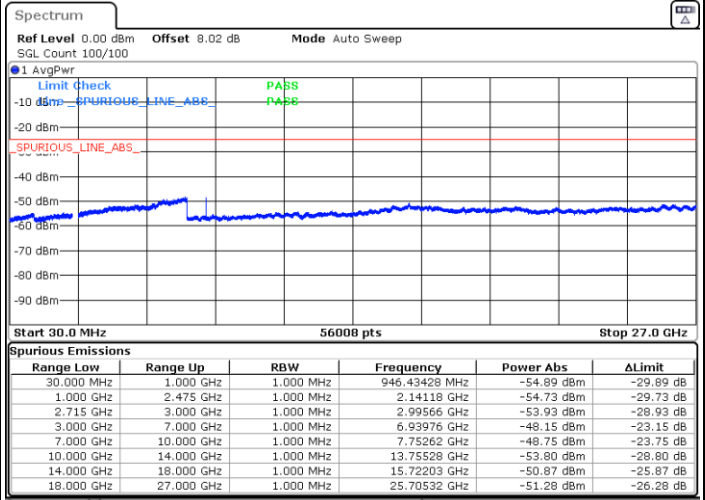
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



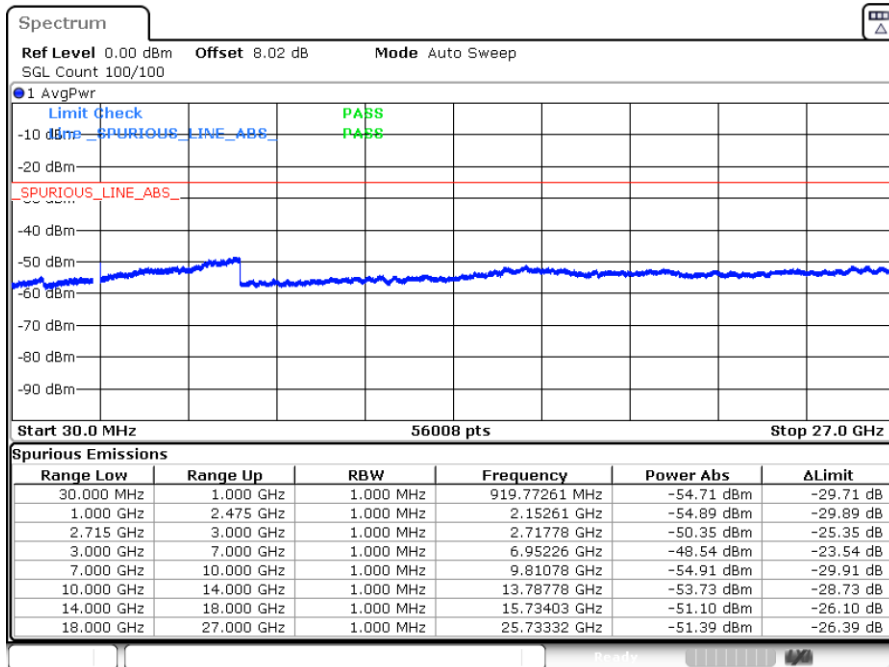
Date: 17.DEC.2021 19:36:55

## Middle Channel / QPSK



Date: 17.DEC.2021 19:47:39

## Highest Channel / QPSK



Date: 17.DEC.2021 19:50:04

## Frequency Stability

| Test Conditions  |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0005                              | PASS    |
| 40               | Normal Voltage    | 0.0008                              |         |
| 30               | Normal Voltage    | 0.0014                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0011                              |         |
| 0                | Normal Voltage    | 0.0030                              |         |
| -10              | Normal Voltage    | 0.0005                              |         |
| -20              | Normal Voltage    | 0.0007                              |         |
| -30              | Normal Voltage    | 0.0011                              |         |
| 20               | Maximum Voltage   | 0.0003                              |         |
| 20               | Normal Voltage    | 0.0007                              |         |
| 20               | Battery End Point | 0.0017                              |         |

**Note:**

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

#### LTE Band 12

| LTE Band 12 / 10MHz / QPSK |                      |                |                  |                         |                          |                            |                             |                       |
|----------------------------|----------------------|----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 1400                 | -59.92         | -13              | -46.92                  | -66.89                   | 1.58                       | 10.70                       | H                     |
|                            | 2096                 | -60.01         | -13              | -47.01                  | -68.26                   | 2.102                      | 12.50                       | H                     |
|                            | 2800                 | -58.54         | -13              | -45.54                  | -67.43                   | 2.856                      | 13.90                       | H                     |
|                            | 1400                 | -55.71         | -13              | -42.71                  | -62.68                   | 1.58                       | 10.70                       | V                     |
|                            | 2096                 | -59.53         | -13              | -46.53                  | -67.78                   | 2.10                       | 12.50                       | V                     |
|                            | 2800                 | -58.60         | -13              | -45.60                  | -67.49                   | 2.86                       | 13.90                       | V                     |
| Middle                     | 1408                 | -60.45         | -13              | -47.45                  | -67.42                   | 1.58                       | 10.70                       | H                     |
|                            | 2112                 | -60.56         | -13              | -47.56                  | -68.81                   | 2.102                      | 12.50                       | H                     |
|                            | 2816                 | -58.65         | -13              | -45.65                  | -67.54                   | 2.856                      | 13.90                       | H                     |
|                            | 1408                 | -61.99         | -13              | -48.99                  | -68.96                   | 1.58                       | 10.70                       | V                     |
|                            | 2112                 | -59.70         | -13              | -46.70                  | -67.95                   | 2.10                       | 12.50                       | V                     |
|                            | 2816                 | -58.26         | -13              | -45.26                  | -67.15                   | 2.86                       | 13.90                       | V                     |
| Highest                    | 1416                 | -59.05         | -13              | -46.05                  | -66.02                   | 1.58                       | 10.70                       | H                     |
|                            | 2120                 | -60.68         | -13              | -47.68                  | -68.93                   | 2.102                      | 12.50                       | H                     |
|                            | 2824                 | -59.24         | -13              | -46.24                  | -68.13                   | 2.856                      | 13.90                       | H                     |
|                            | 1416                 | -60.02         | -13              | -47.02                  | -66.99                   | 1.58                       | 10.70                       | V                     |
|                            | 2120                 | -59.63         | -13              | -46.63                  | -67.88                   | 2.10                       | 12.50                       | V                     |
|                            | 2824                 | -58.88         | -13              | -45.88                  | -67.77                   | 2.86                       | 13.90                       | V                     |

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



## **LTE Band 41**

| <b>LTE Band 41 / 20MHz / QPSK</b> |                              |                         |                          |                                  |                                   |                                     |                                      |                               |
|-----------------------------------|------------------------------|-------------------------|--------------------------|----------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|-------------------------------|
| <b>Channel</b>                    | <b>Frequency<br/>( MHz )</b> | <b>EIRP<br/>( dBm )</b> | <b>Limit<br/>( dBm )</b> | <b>Over<br/>Limit<br/>( dB )</b> | <b>S.G.<br/>Power<br/>( dBm )</b> | <b>TX Cable<br/>loss<br/>( dB )</b> | <b>TX Antenna<br/>Gain<br/>(dBi)</b> | <b>Polarization<br/>(H/V)</b> |
| Lowest                            | 4995                         | -37.80                  | -25                      | -12.80                           | -48.01                            | 3.03                                | 13.24                                | H                             |
|                                   | 7485                         | -61.48                  | -25                      | -36.48                           | -70.93                            | 3.56                                | 13.01                                | H                             |
|                                   | 9990                         | -61.03                  | -25                      | -36.03                           | -70.55                            | 3.92                                | 13.44                                | H                             |
|                                   | 4995                         | -37.58                  | -25                      | -12.58                           | -47.79                            | 3.03                                | 13.24                                | V                             |
|                                   | 7485                         | -61.38                  | -25                      | -36.38                           | -70.83                            | 3.56                                | 13.01                                | V                             |
|                                   | 9990                         | -61.33                  | -25                      | -36.33                           | -70.85                            | 3.92                                | 13.44                                | V                             |
| Middle                            | 5162                         | -34.55                  | -25                      | -9.55                            | -44.76                            | 3.03                                | 13.24                                | H                             |
|                                   | 7752                         | -49.11                  | -25                      | -24.11                           | -58.56                            | 3.56                                | 13.01                                | H                             |
|                                   | 10342                        | -60.69                  | -25                      | -35.69                           | -70.21                            | 3.92                                | 13.44                                | H                             |
|                                   | 5162                         | -32.64                  | -25                      | -7.64                            | -42.85                            | 3.03                                | 13.24                                | V                             |
|                                   | 7752                         | -49.78                  | -25                      | -24.78                           | -59.23                            | 3.56                                | 13.01                                | V                             |
|                                   | 10342                        | -60.51                  | -25                      | -35.51                           | -70.03                            | 3.92                                | 13.44                                | V                             |
| Highest                           | 5340                         | -44.81                  | -25                      | -19.81                           | -55.02                            | 3.03                                | 13.24                                | H                             |
|                                   | 7755                         | -61.21                  | -25                      | -36.21                           | -70.66                            | 3.56                                | 13.01                                | H                             |
|                                   | 10335                        | -60.44                  | -25                      | -35.44                           | -69.96                            | 3.92                                | 13.44                                | H                             |
|                                   | 5340                         | -44.88                  | -25                      | -19.88                           | -55.09                            | 3.03                                | 13.24                                | V                             |
|                                   | 7755                         | -61.12                  | -25                      | -36.12                           | -70.57                            | 3.56                                | 13.01                                | V                             |
|                                   | 10335                        | -61.17                  | -25                      | -36.17                           | -70.69                            | 3.92                                | 13.44                                | V                             |

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

————THE END————