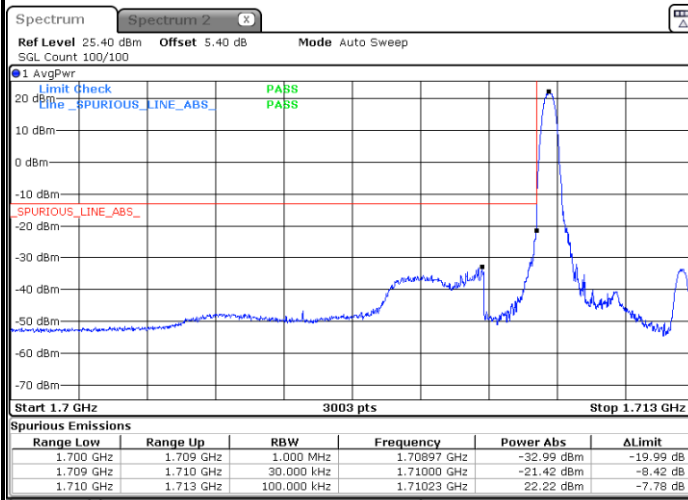


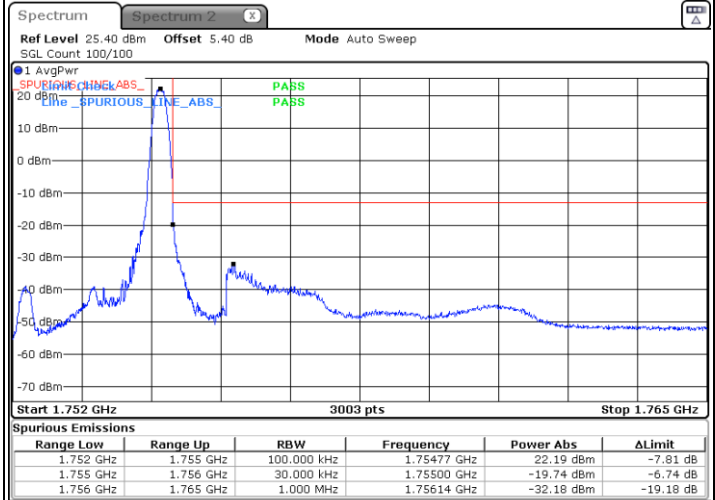


## LTE Band 4 / 3MHz / 64QAM

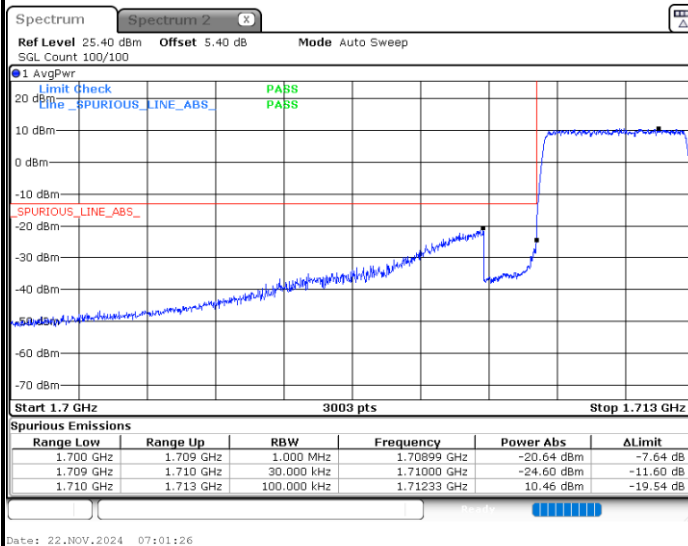
## Lowest Band Edge / 1 RB



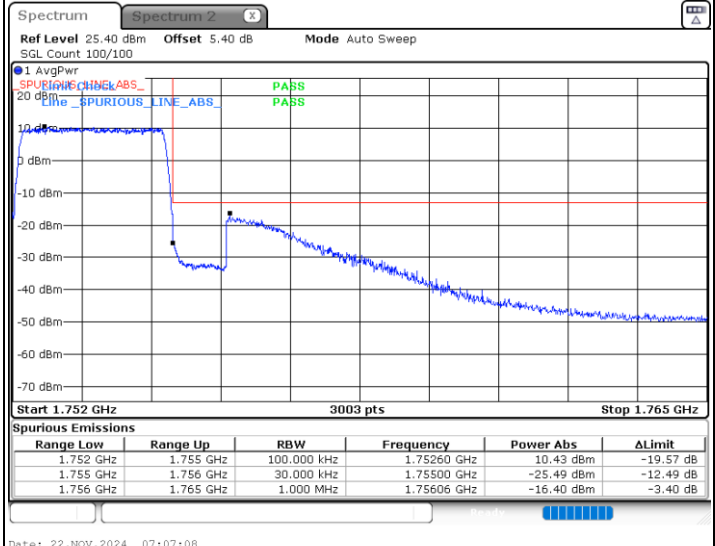
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



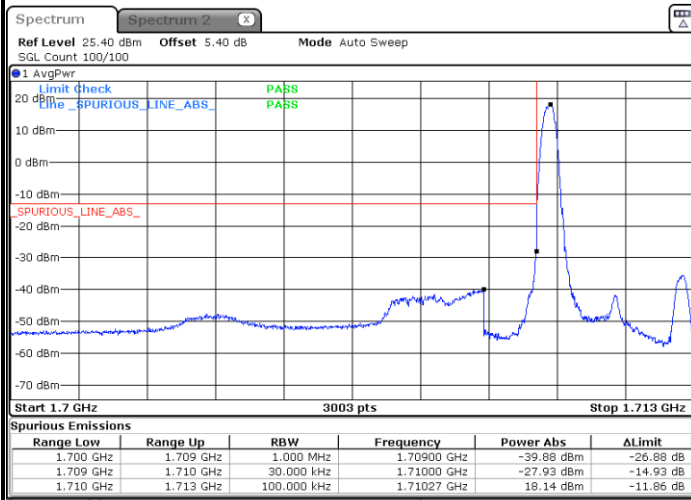
## Highest Band Edge / Full RB



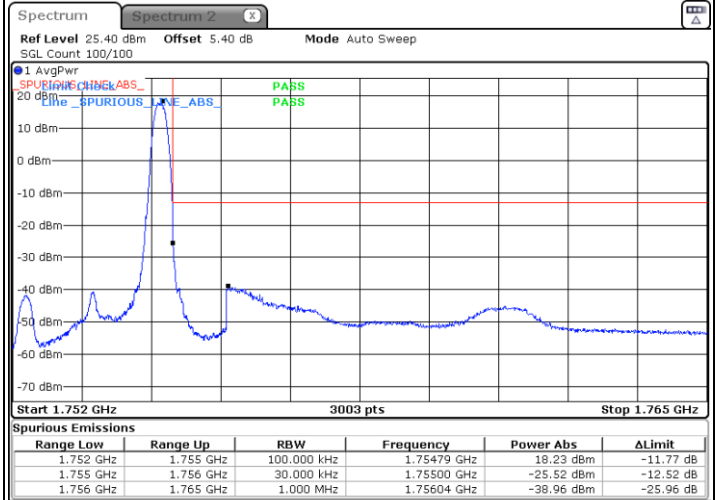


## LTE Band 4 / 3MHz / 256QAM

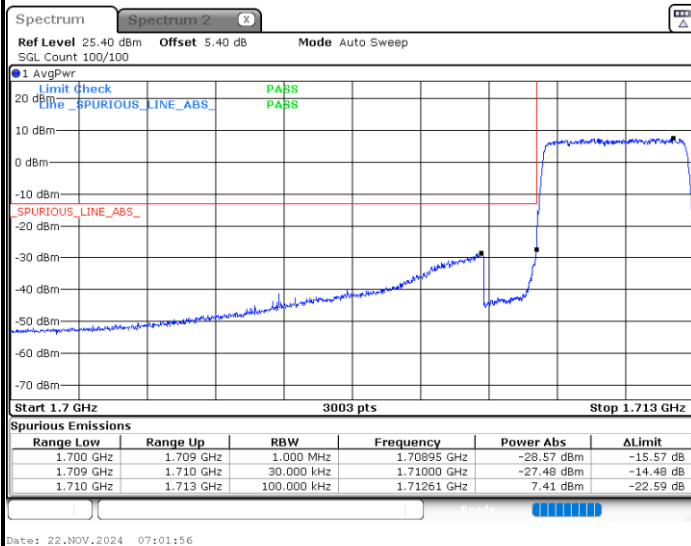
## Lowest Band Edge / 1 RB



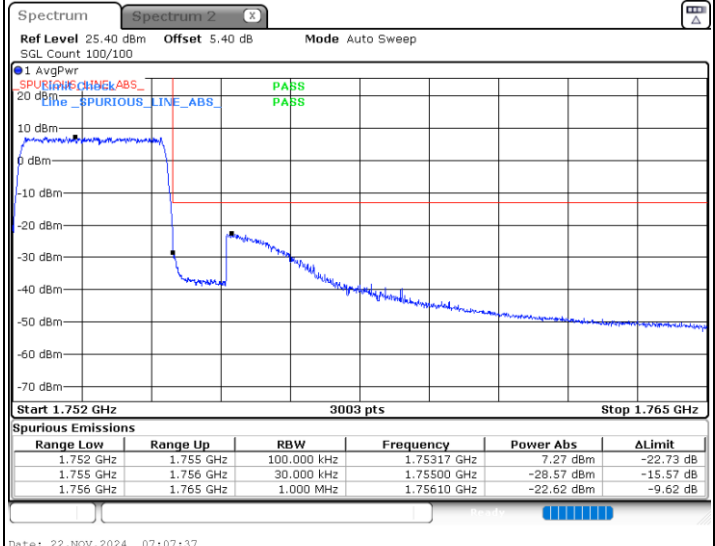
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



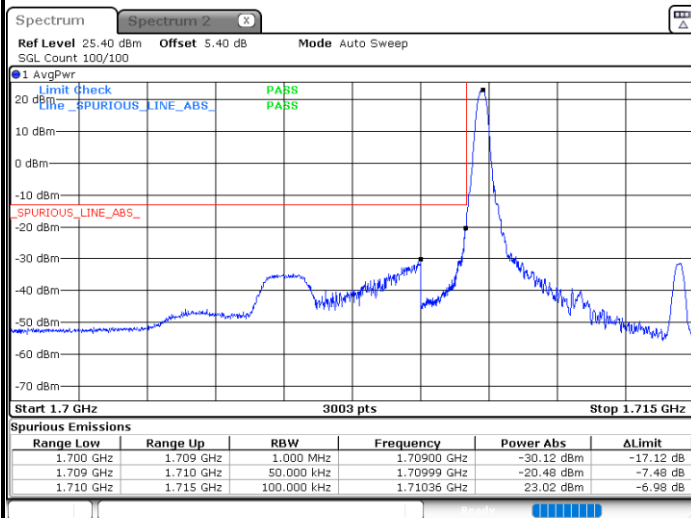
## Highest Band Edge / Full RB



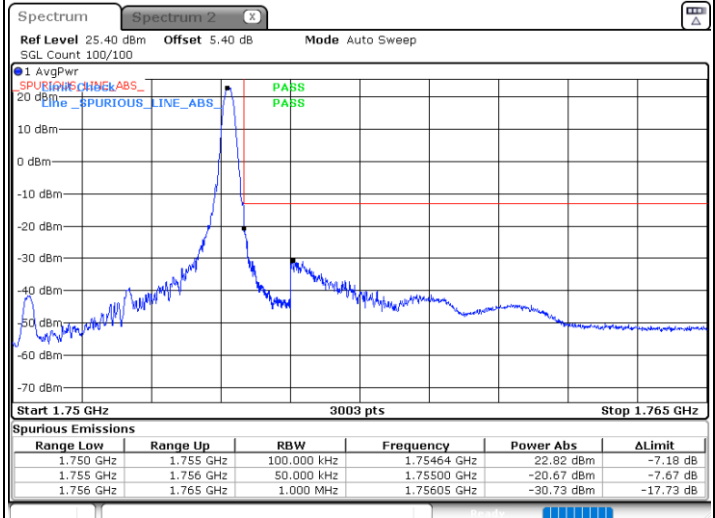


## LTE Band 4 / 5MHz / QPSK

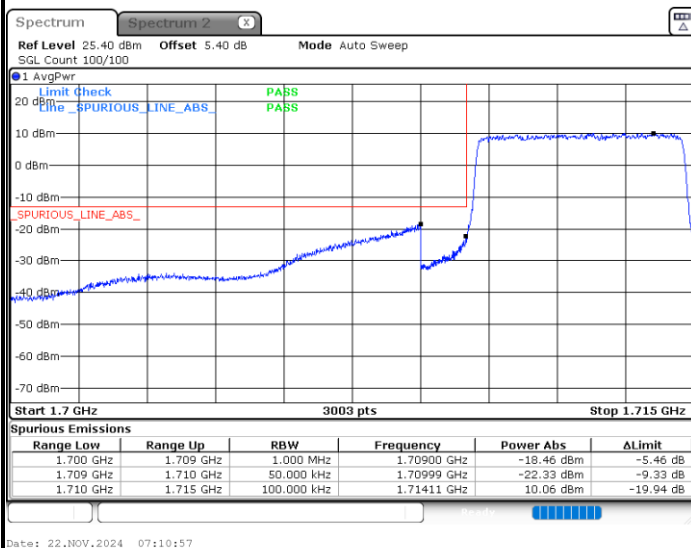
## Lowest Band Edge / 1 RB



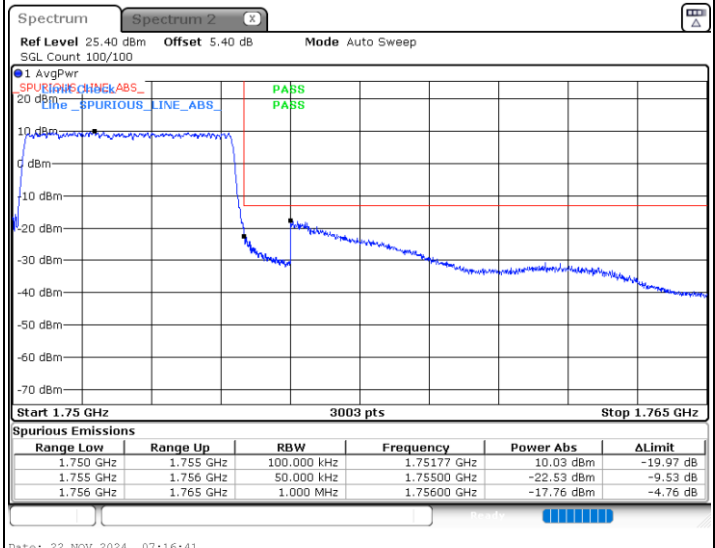
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



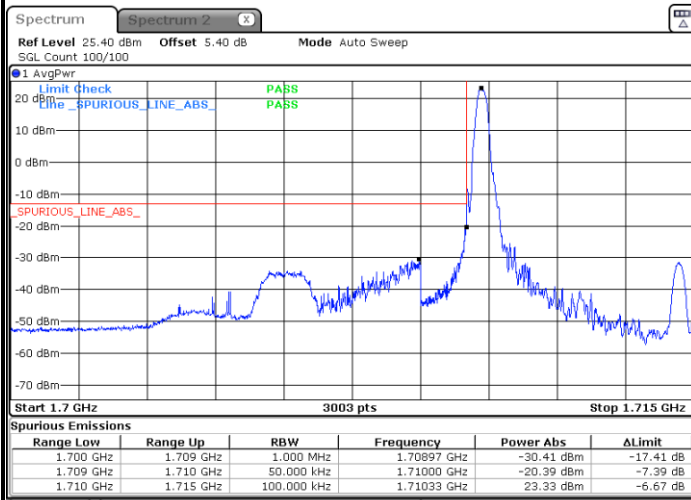
## Highest Band Edge / Full RB



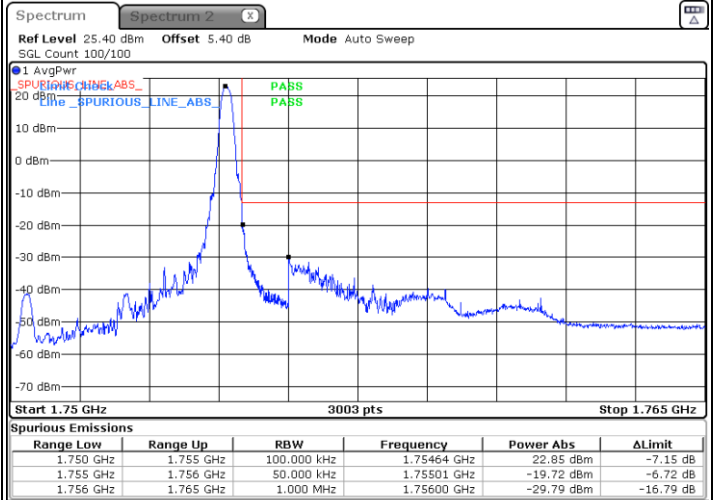


## LTE Band 4 / 5MHz / 16QAM

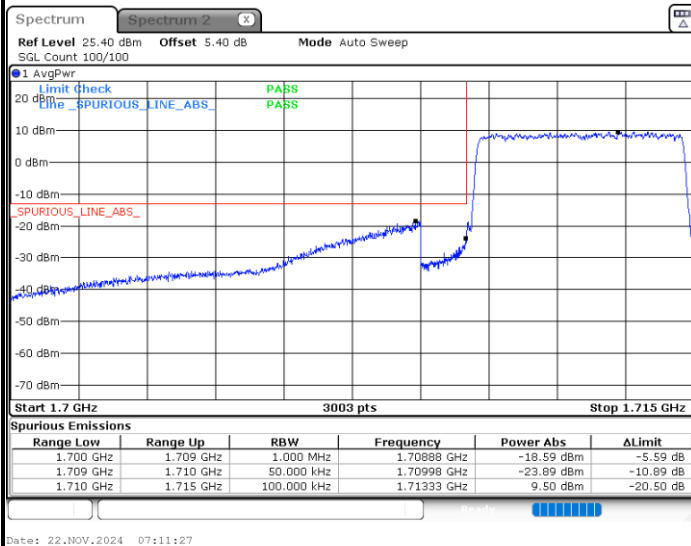
## Lowest Band Edge / 1RB



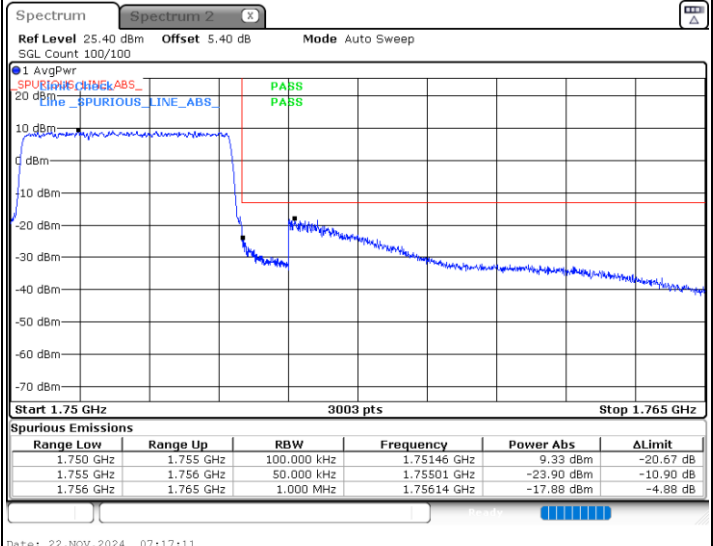
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



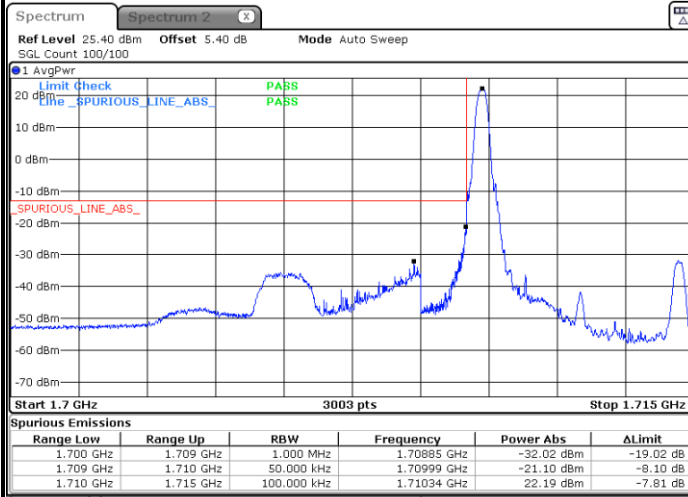
## Highest Band Edge / Full RB



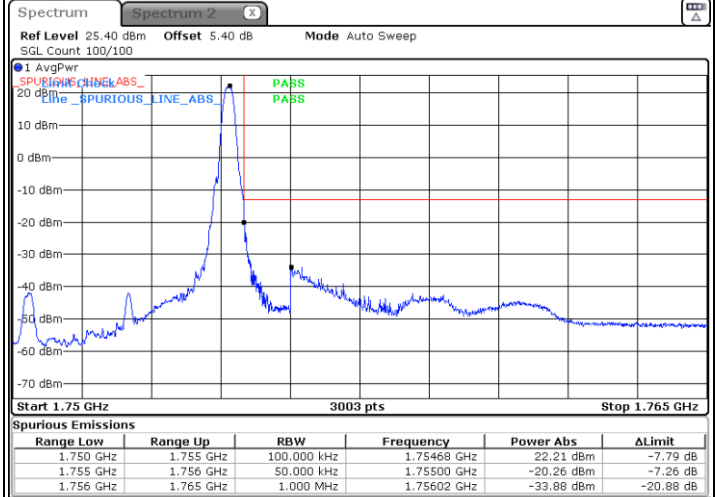


## LTE Band 4 / 5MHz / 64QAM

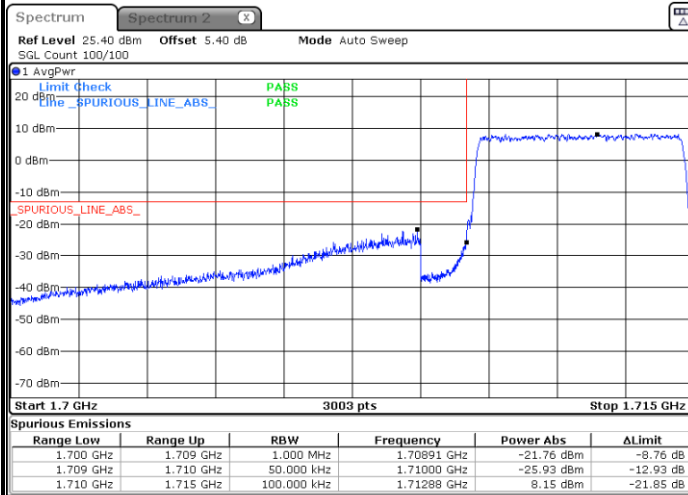
## Lowest Band Edge / 1RB



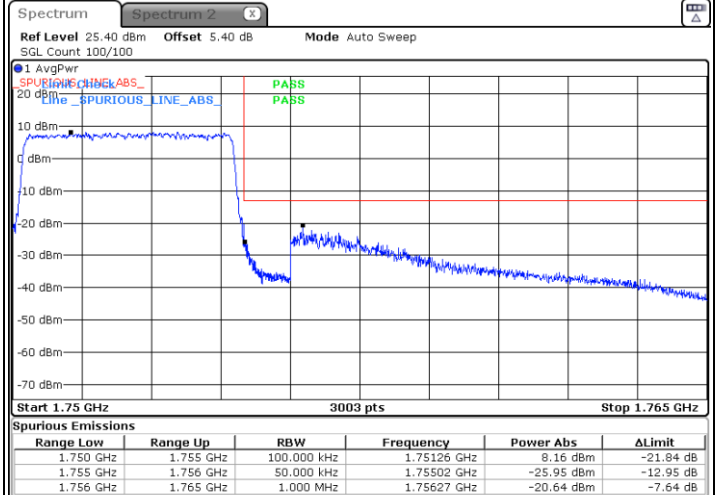
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



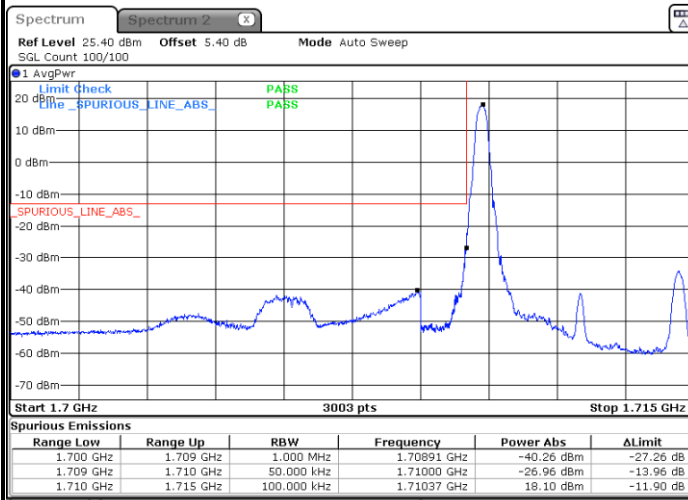
## Highest Band Edge / Full RB



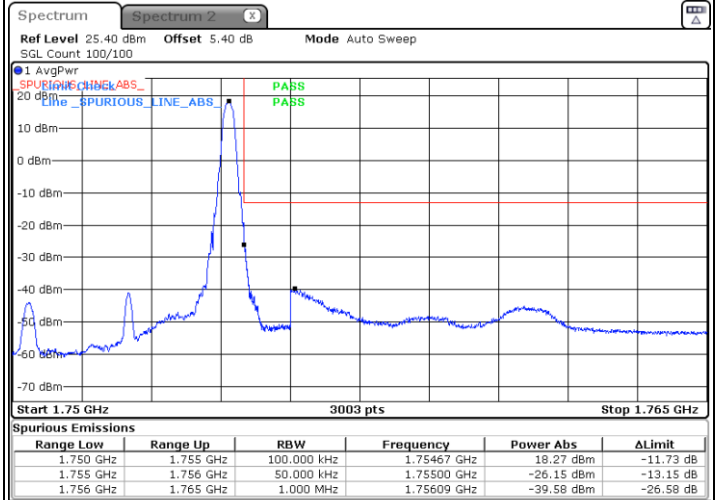


## LTE Band 4 / 5MHz /256QAM

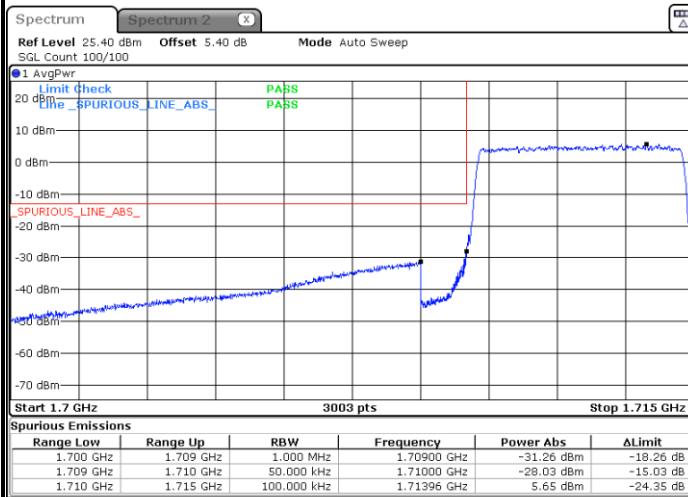
## Lowest Band Edge / 1RB



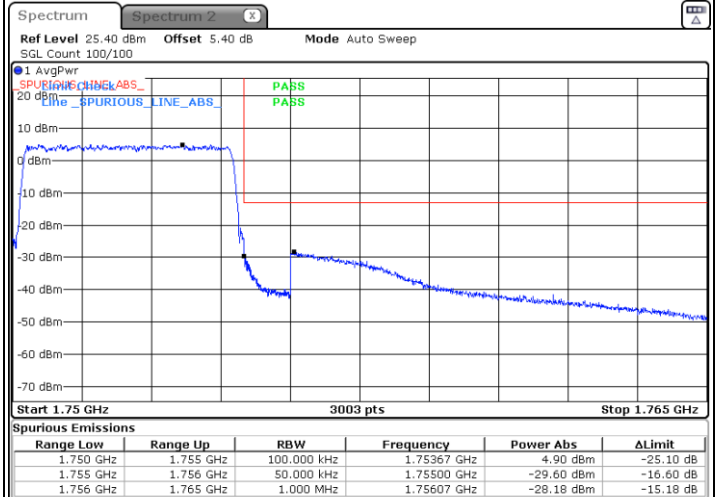
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



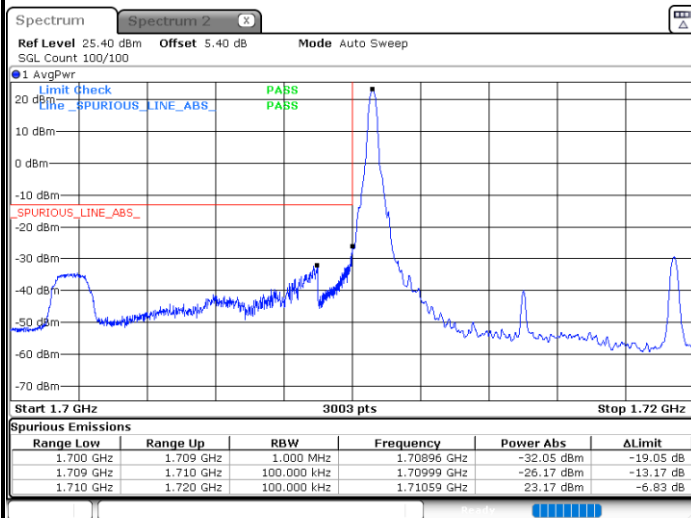
## Highest Band Edge / Full RB



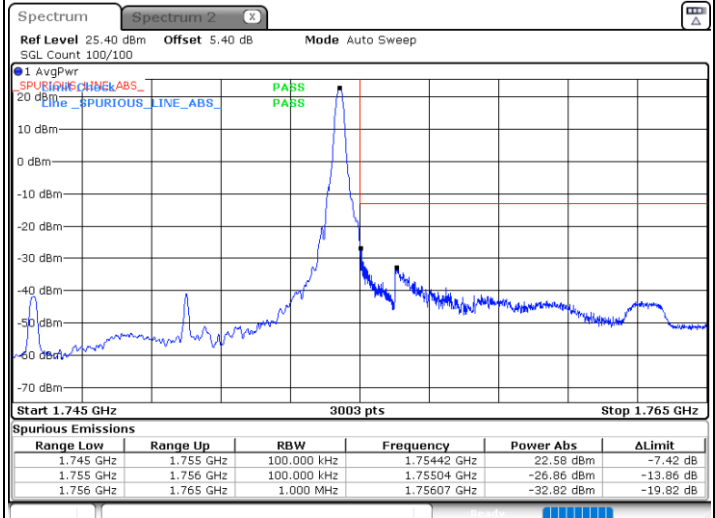


## LTE Band 4 / 10MHz / QPSK

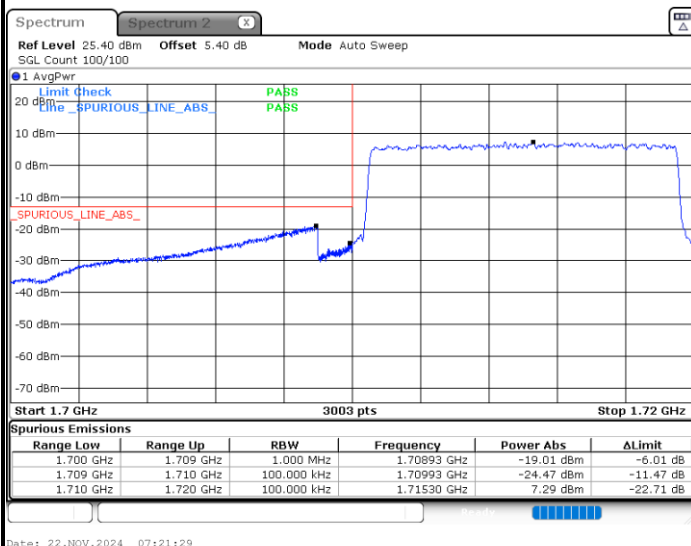
## Lowest Band Edge / 1 RB



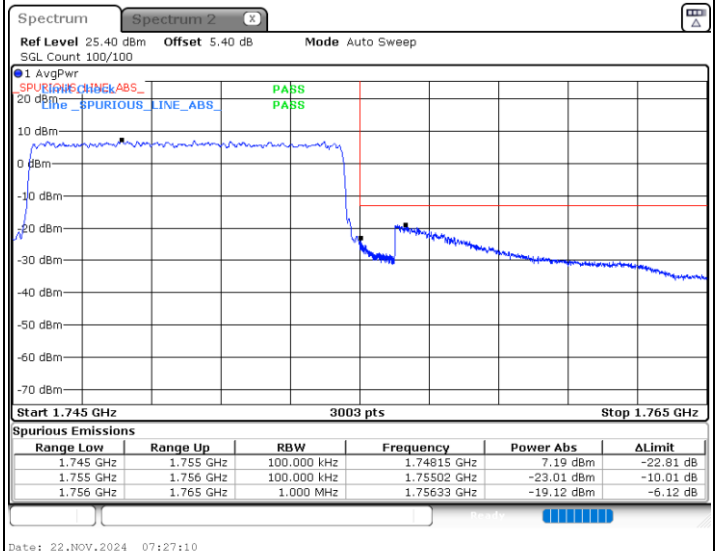
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



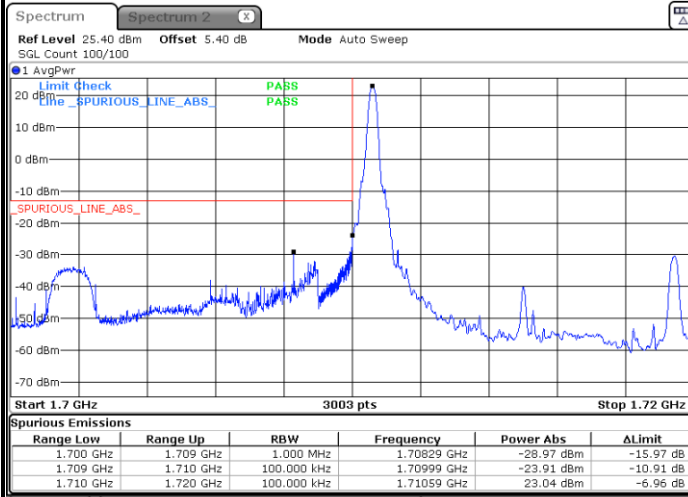
## Highest Band Edge / Full RB



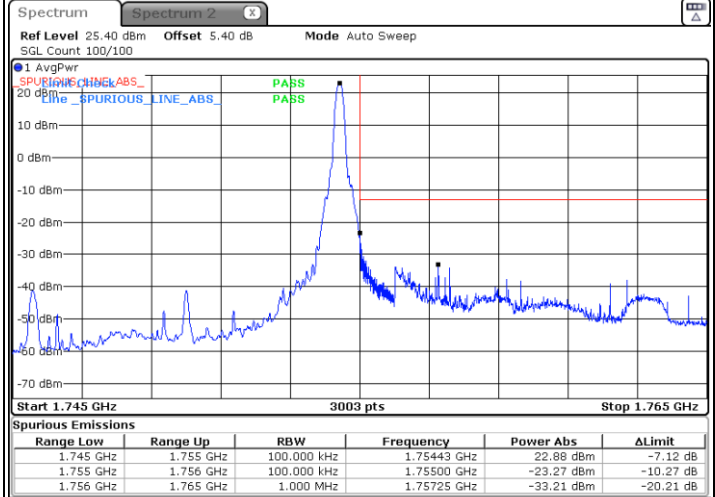


## LTE Band 4 / 10MHz / 16QAM

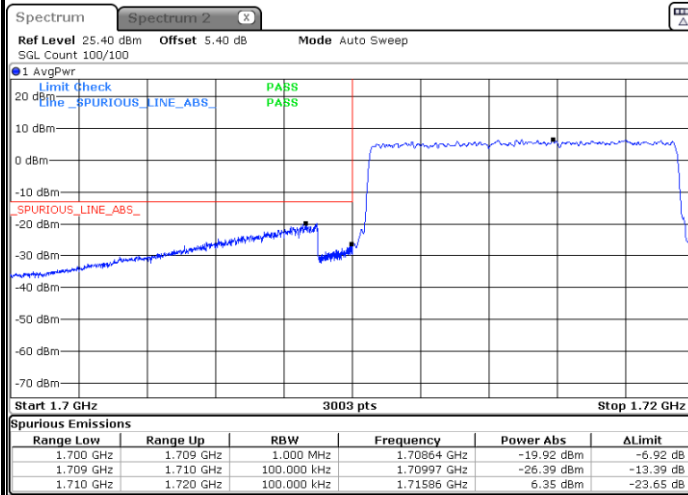
## Lowest Band Edge / 1 RB



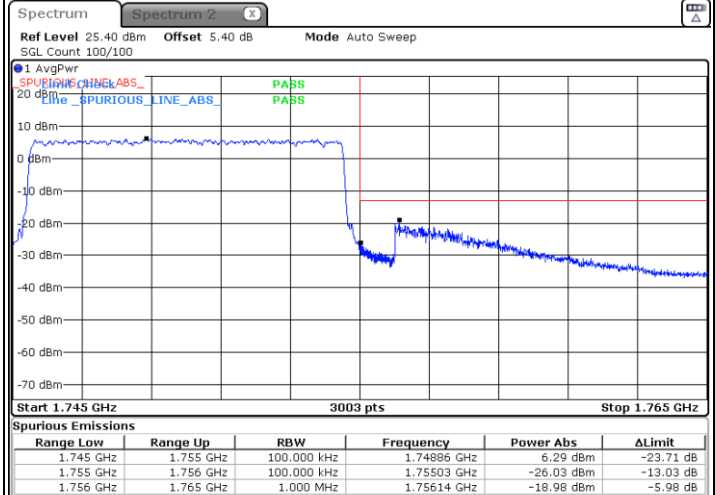
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



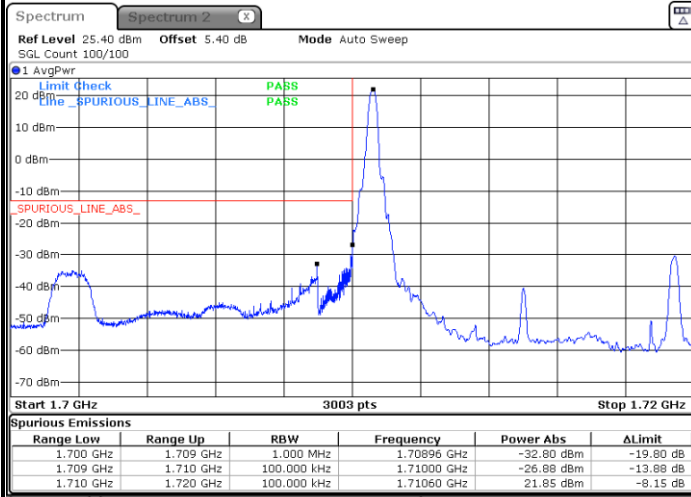
## Highest Band Edge / Full RB



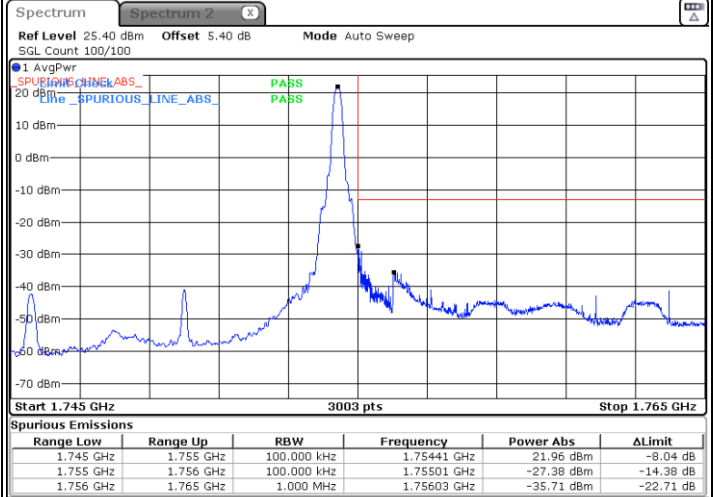


## LTE Band 4 / 10MHz / 64QAM

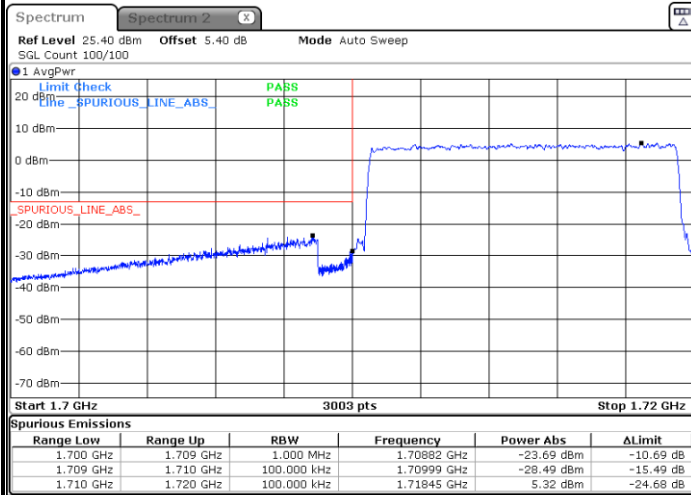
## Lowest Band Edge / 1 RB



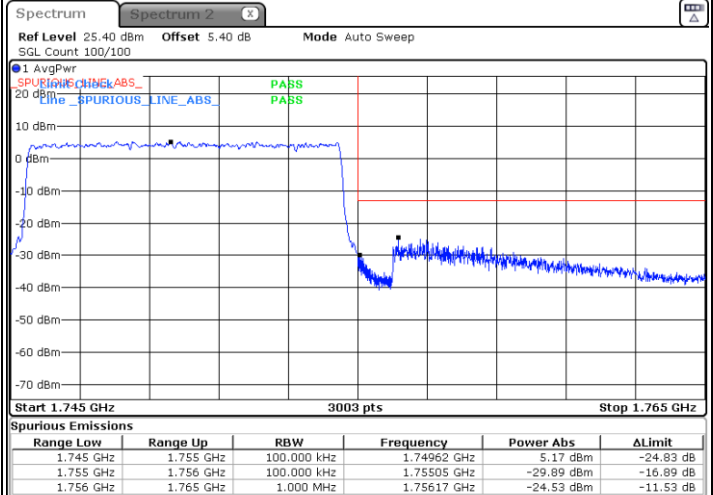
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



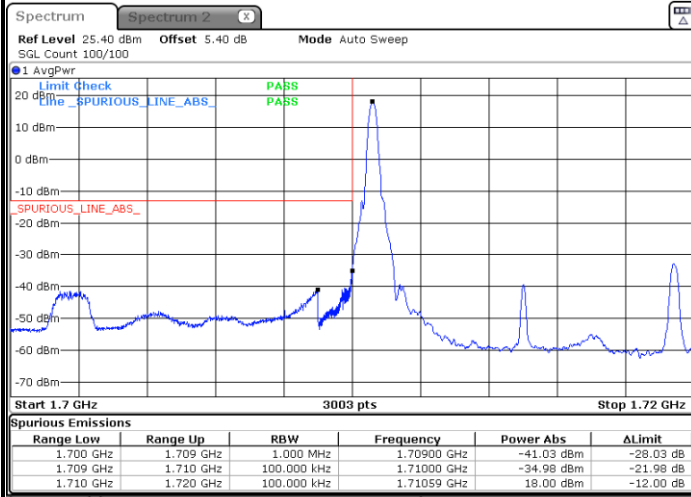
## Highest Band Edge / Full RB



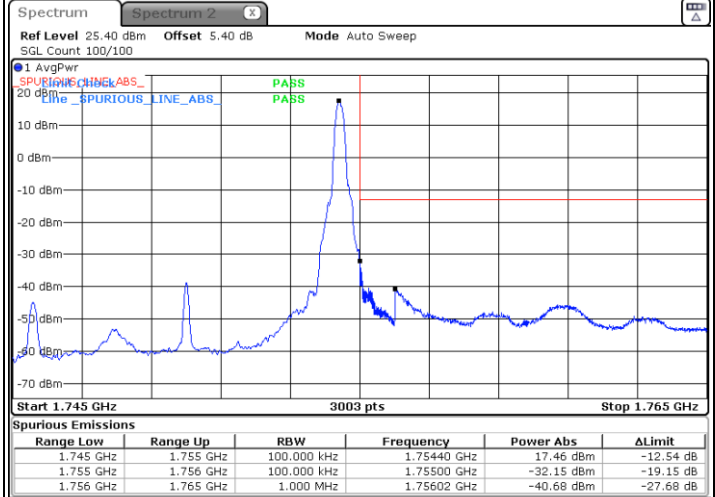


## LTE Band 4 / 10MHz / 256QAM

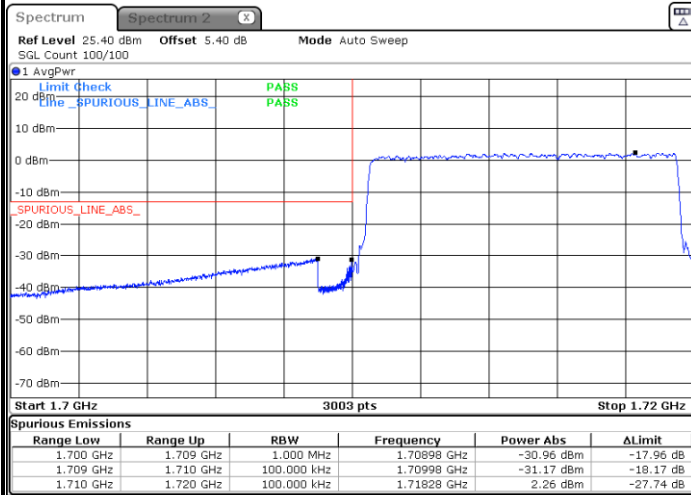
## Lowest Band Edge / 1 RB



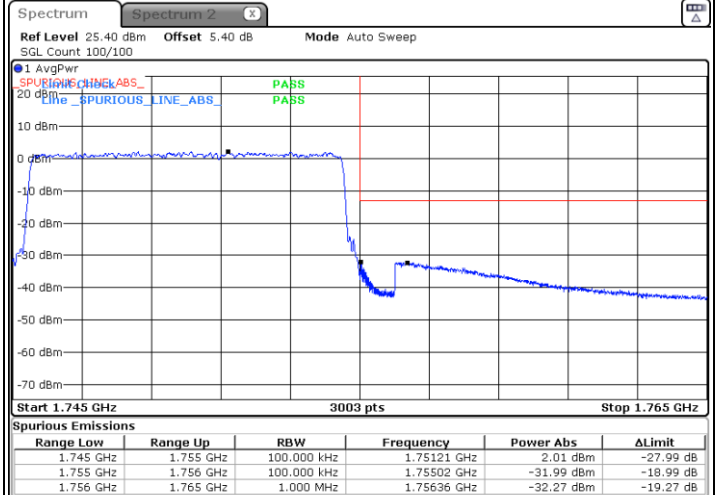
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



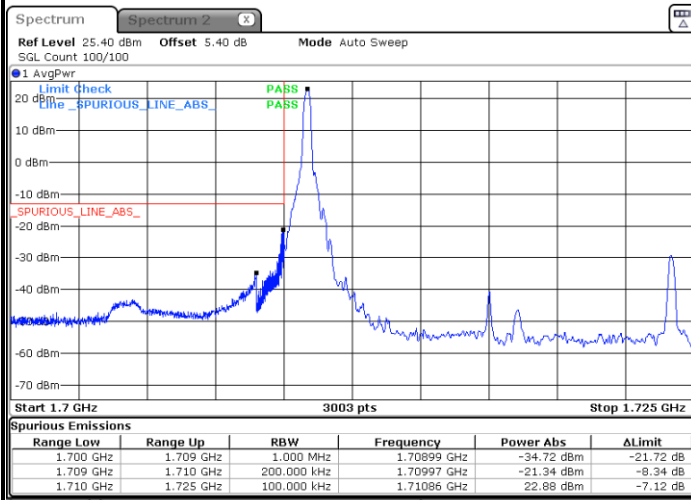
## Highest Band Edge / Full RB



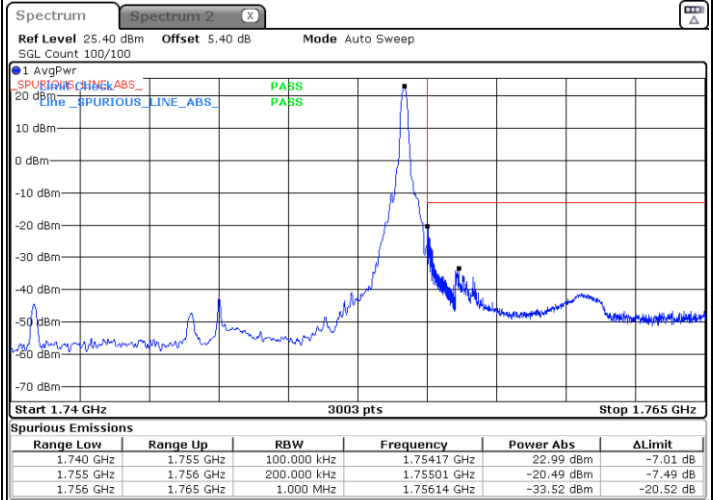


## LTE Band 4 / 15MHz / QPSK

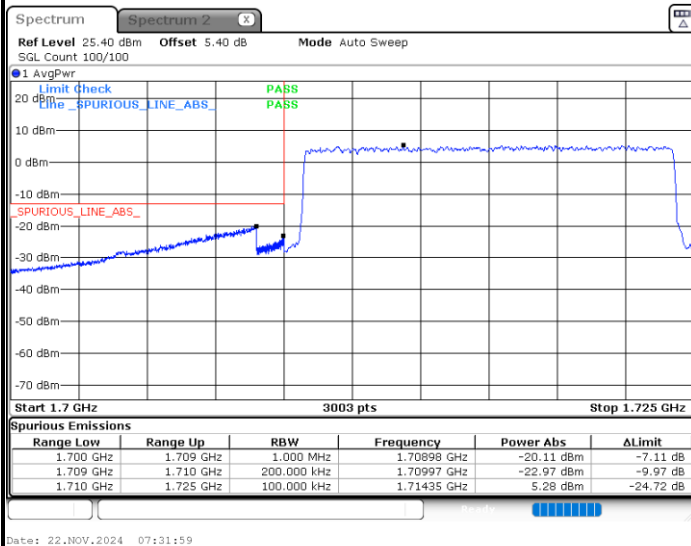
## Lowest Band Edge / 1 RB



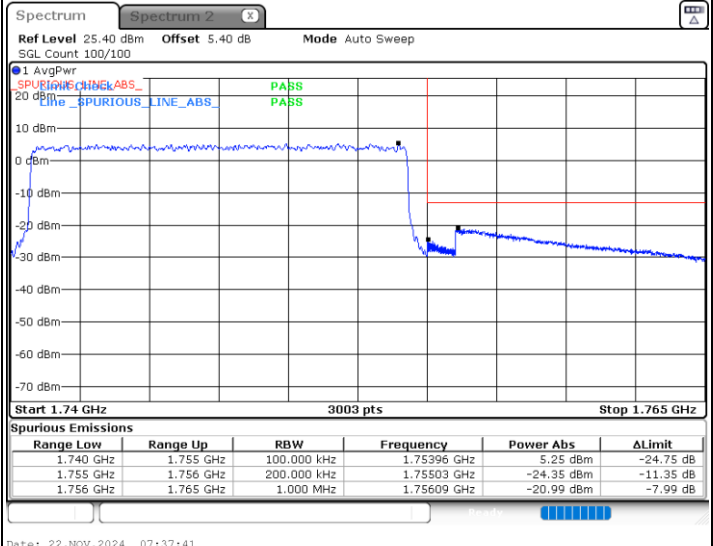
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



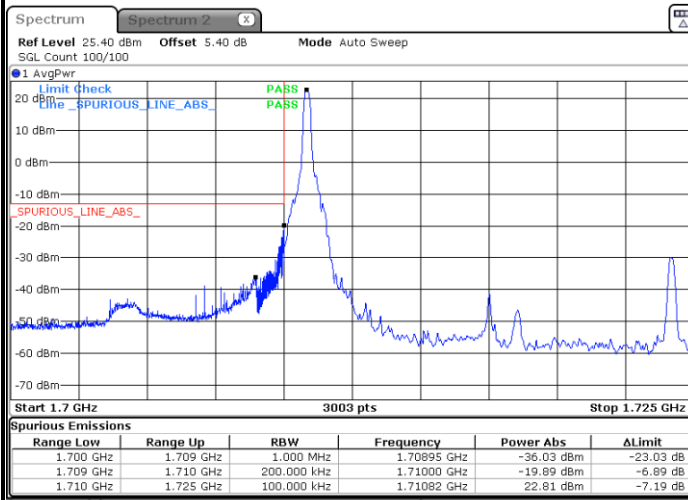
## Highest Band Edge / Full RB



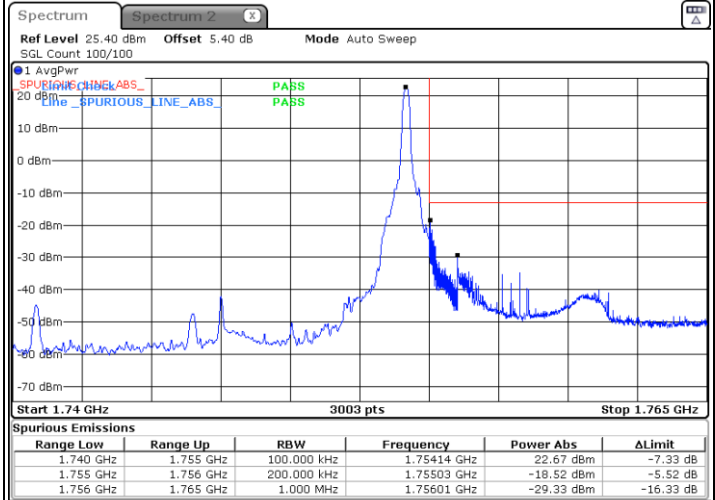


## LTE Band 4 / 15MHz / 16QAM

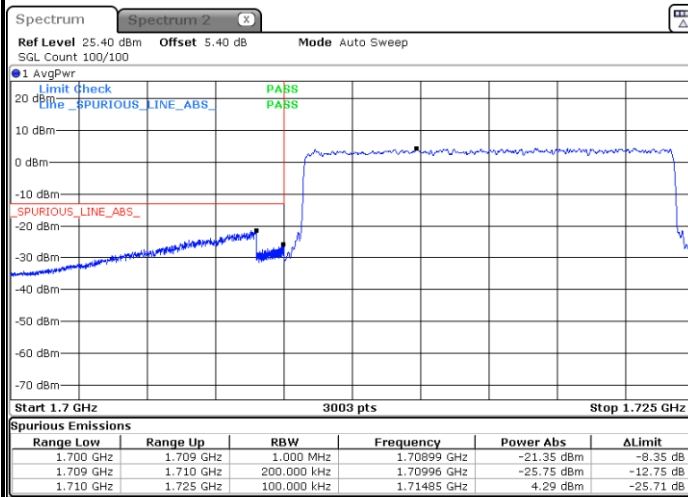
## Lowest Band Edge / 1 RB



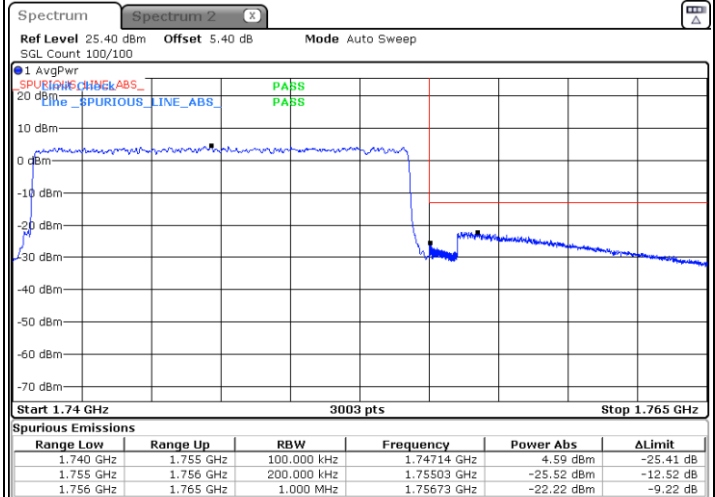
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



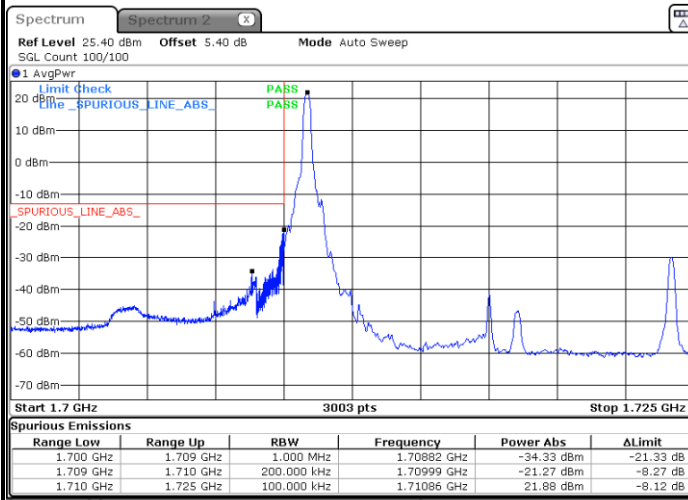
## Highest Band Edge / Full RB



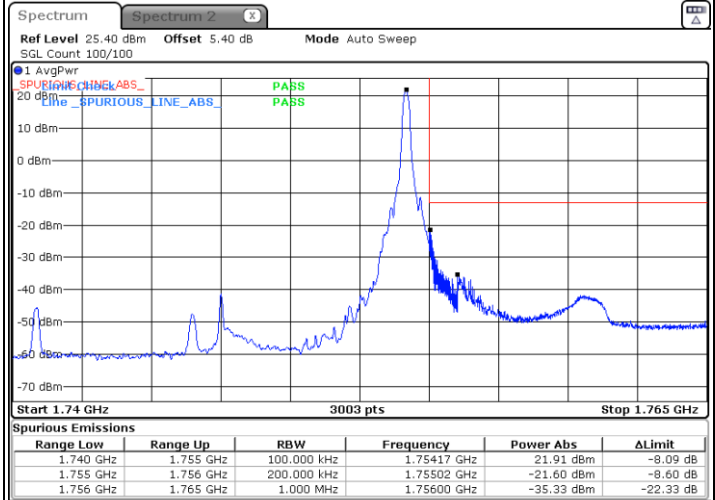


## LTE Band 4 / 15MHz / 64QAM

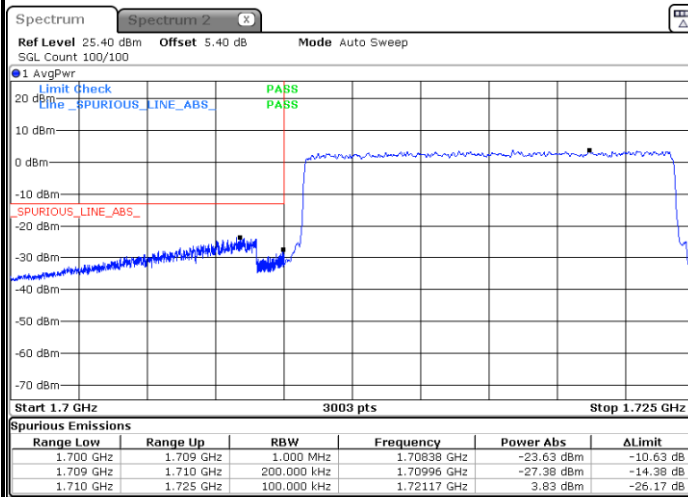
## Lowest Band Edge / 1 RB



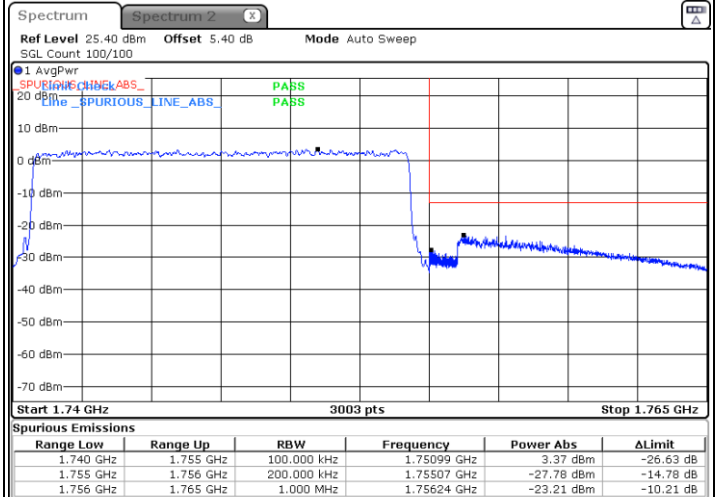
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



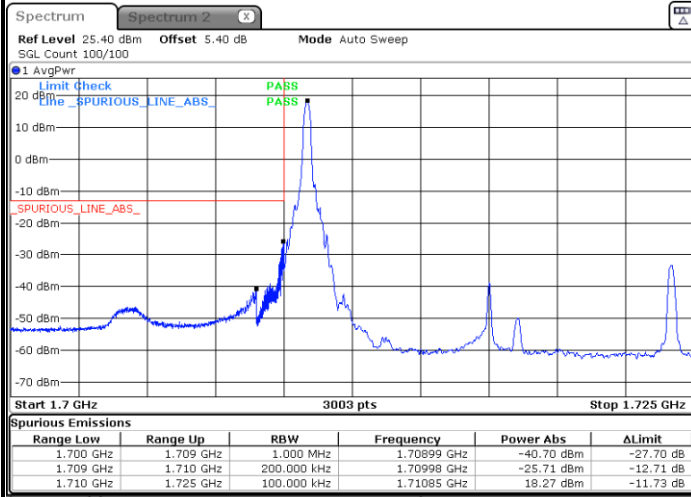
## Highest Band Edge / Full RB



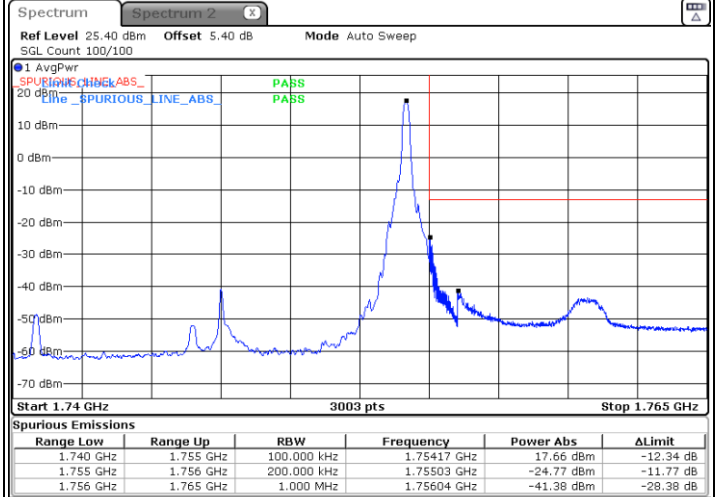


## LTE Band 4 / 15MHz / 256QAM

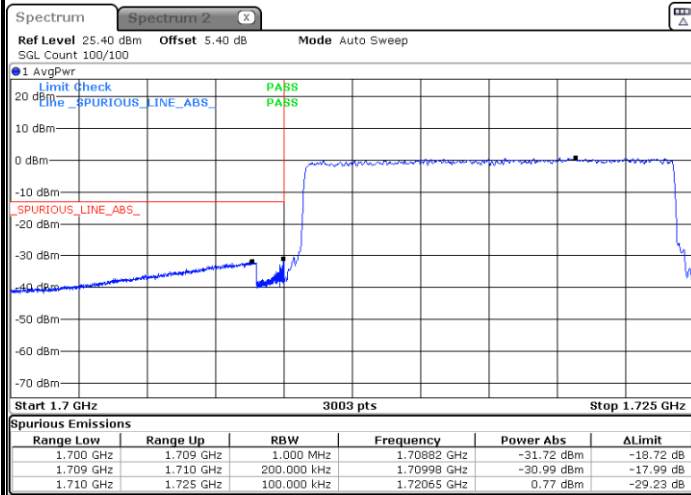
## Lowest Band Edge / 1 RB



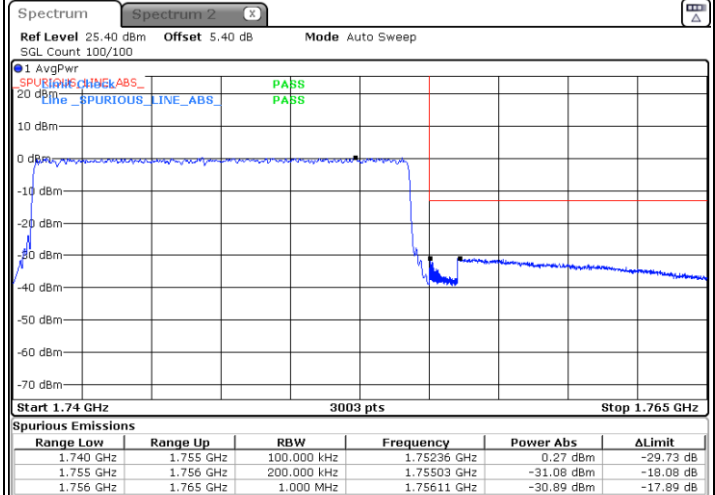
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



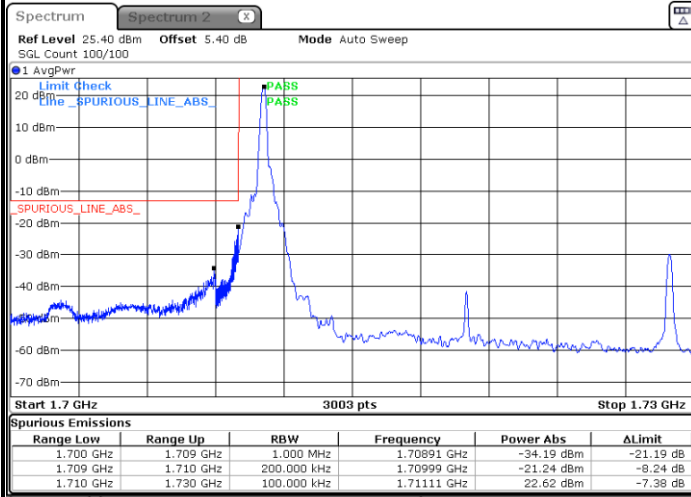
## Highest Band Edge / Full RB



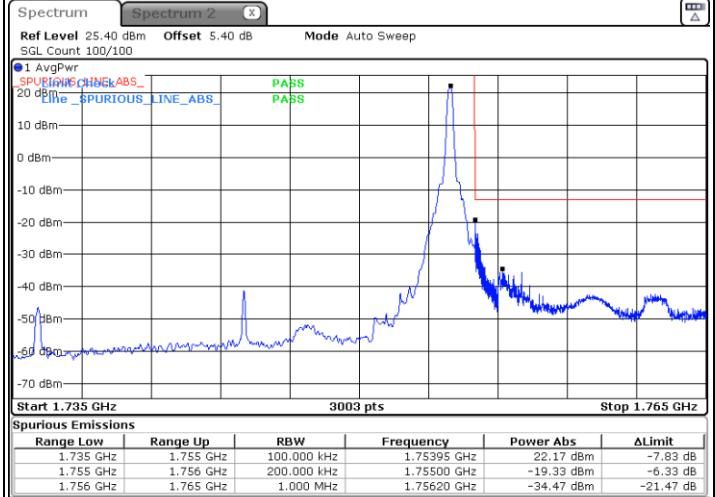


## LTE Band 4 / 20MHz / QPSK

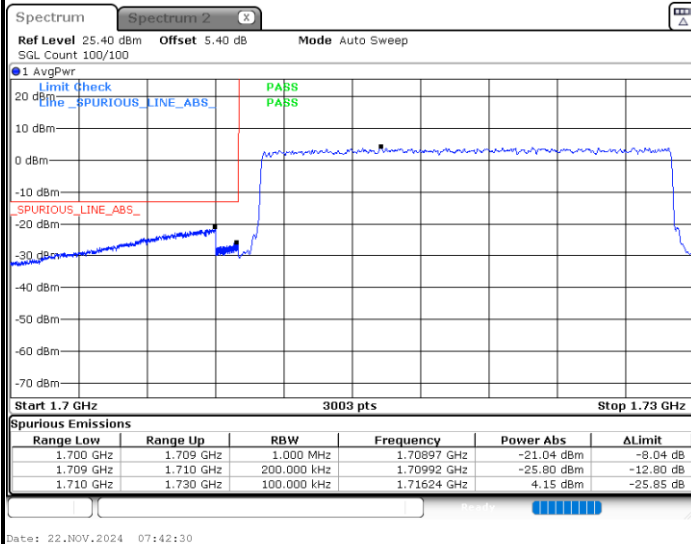
## Lowest Band Edge / 1 RB



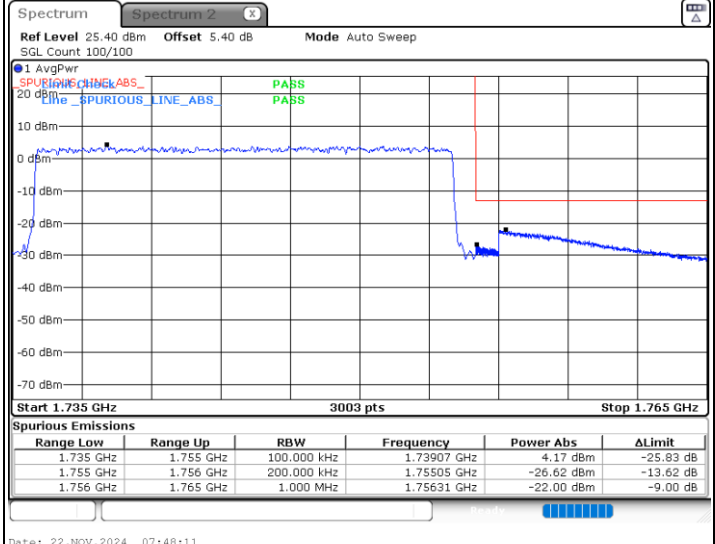
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



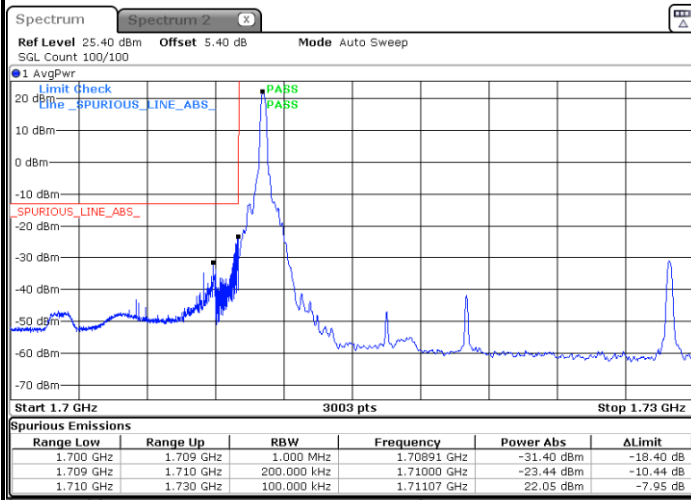
## Highest Band Edge / Full RB



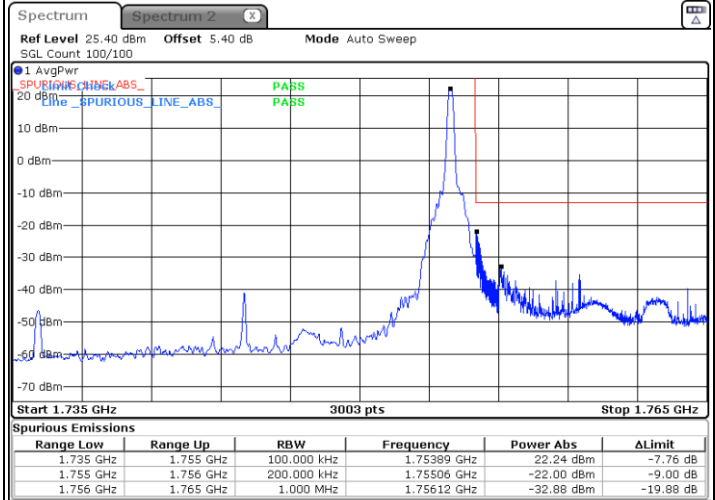


## LTE Band 4 / 20MHz / 16QAM

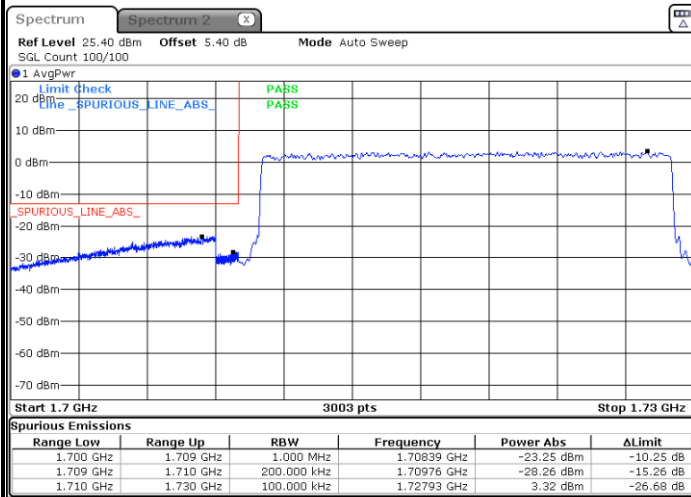
## Lowest Band Edge / 1 RB



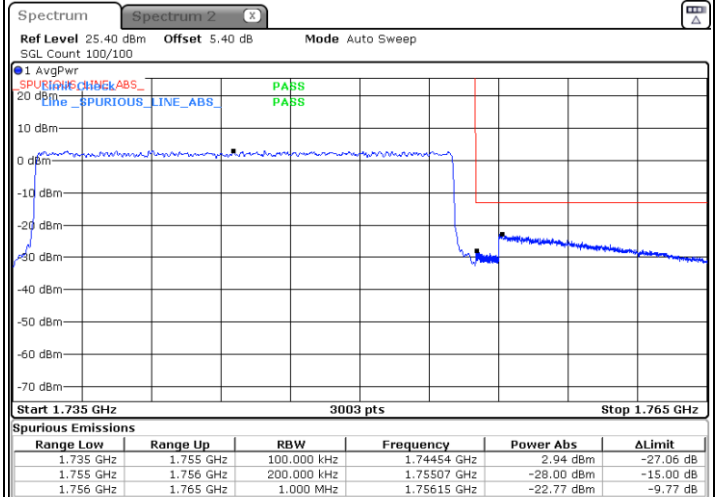
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



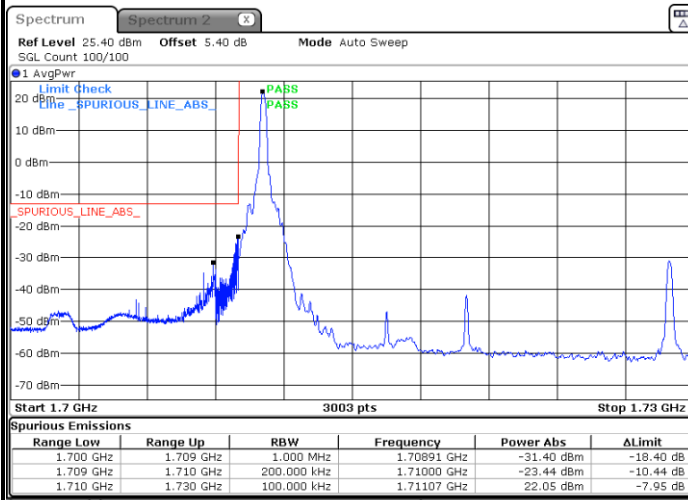
## Highest Band Edge / Full RB



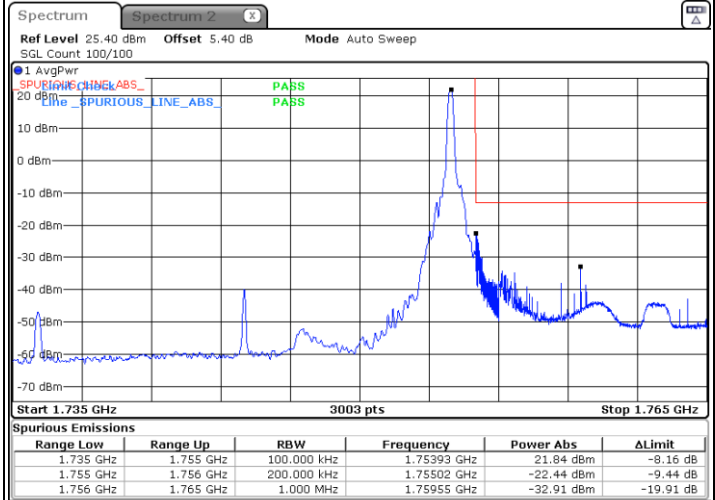


## LTE Band 4 / 20MHz / 64QAM

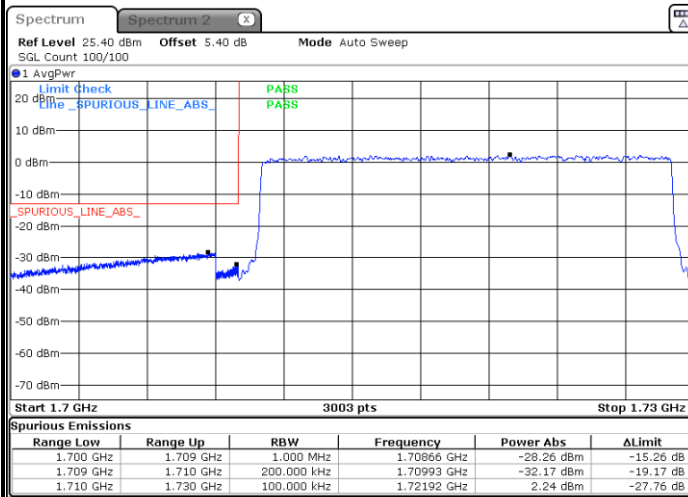
## Lowest Band Edge / 1 RB



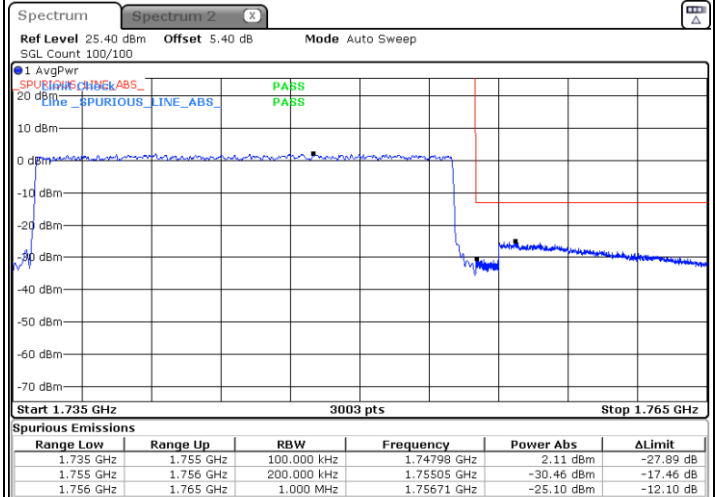
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



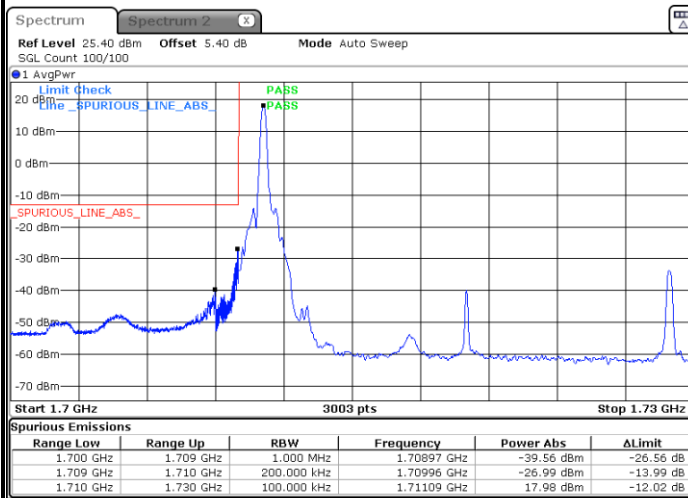
## Highest Band Edge / Full RB



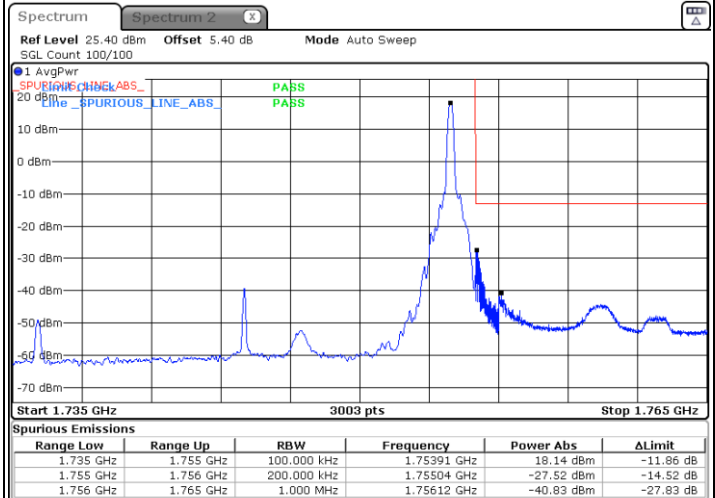


## LTE Band 4 / 20MHz / 256QAM

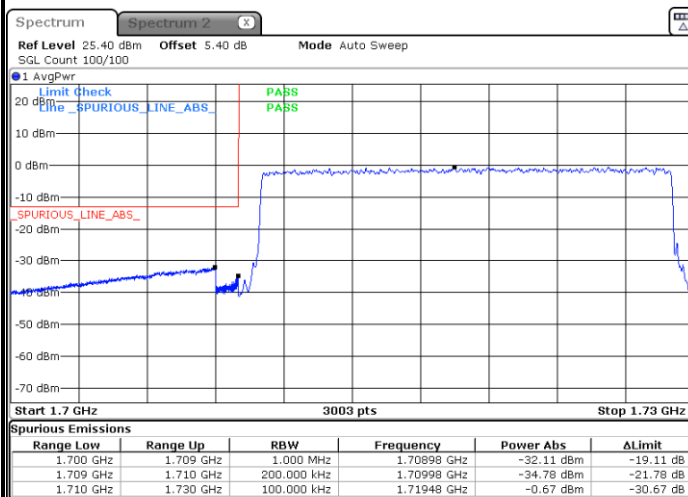
## Lowest Band Edge / 1 RB



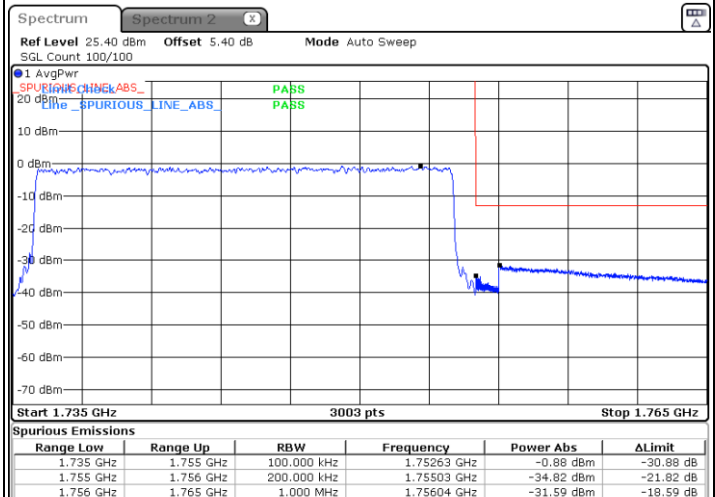
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

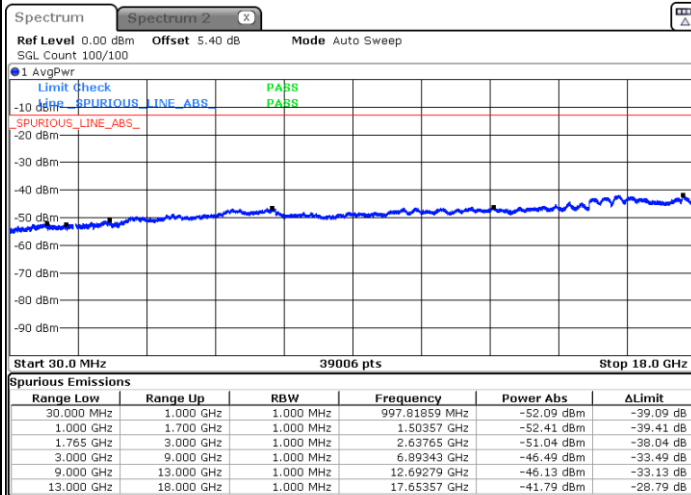




## Conducted Spurious Emission

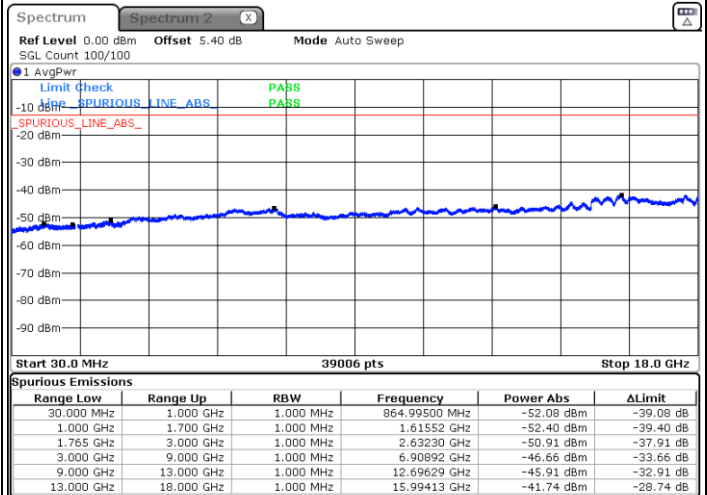
### LTE Band 4 / 1.4MHz

#### Lowest Channel / QPSK



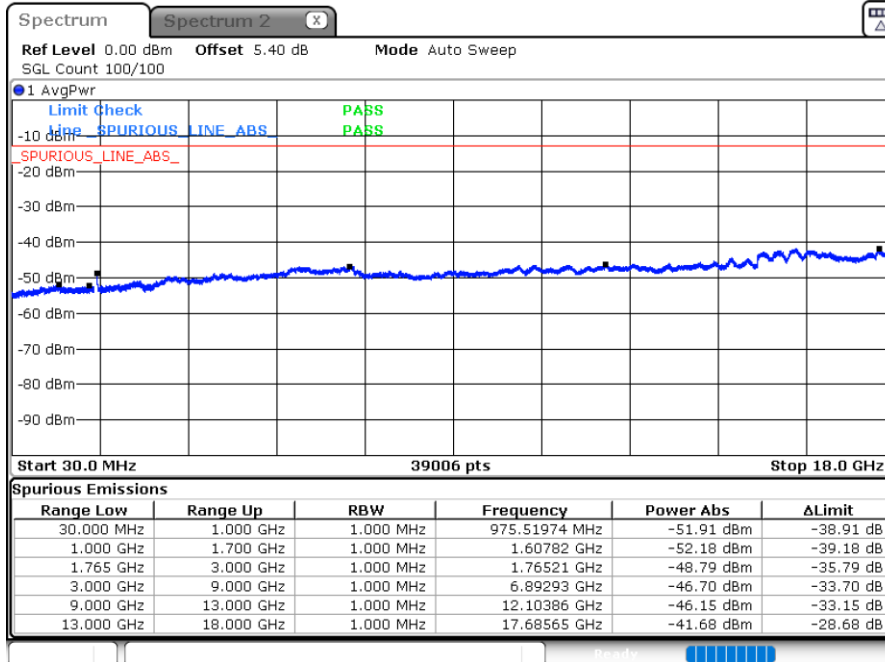
Date: 22.NOV.2024 05:48:29

#### Middle Channel / QPSK



Date: 22.NOV.2024 06:22:13

#### Highest Channel / QPSK

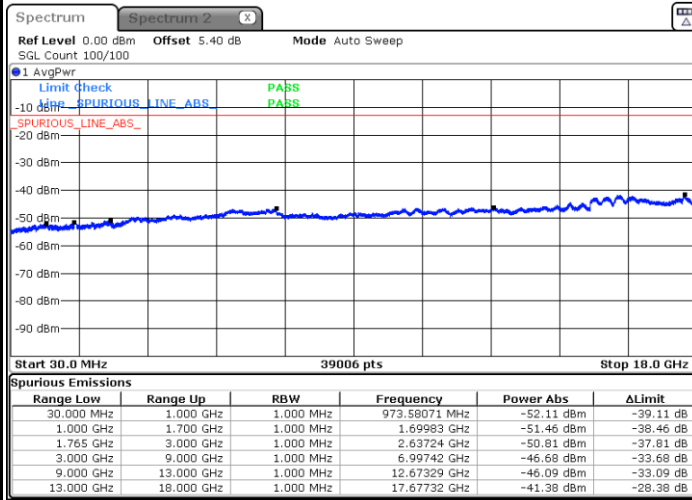


Date: 22.NOV.2024 06:23:06



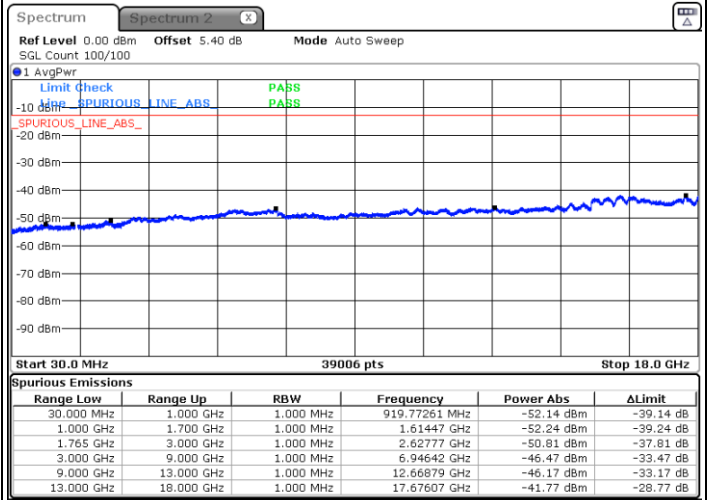
## LTE Band 4 / 3MHz

## Lowest Channel / QPSK



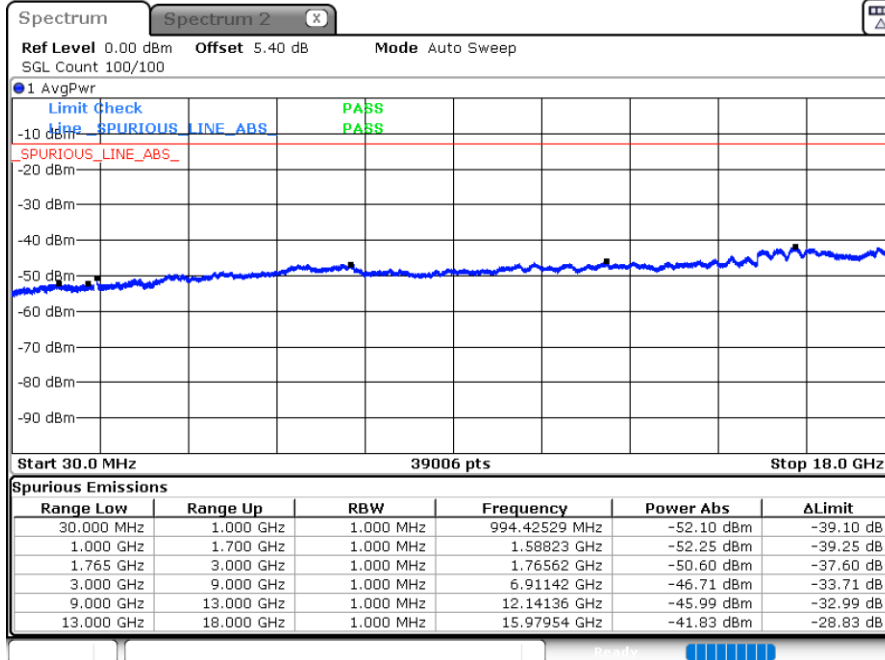
Date: 22.NOV.2024 06:58:01

## Middle Channel / QPSK



Date: 22.NOV.2024 07:02:49

## Highest Channel / QPSK

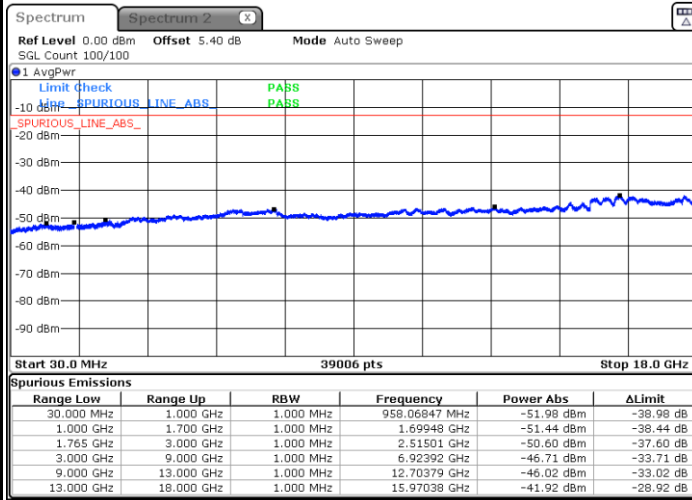


Date: 22.NOV.2024 07:03:42



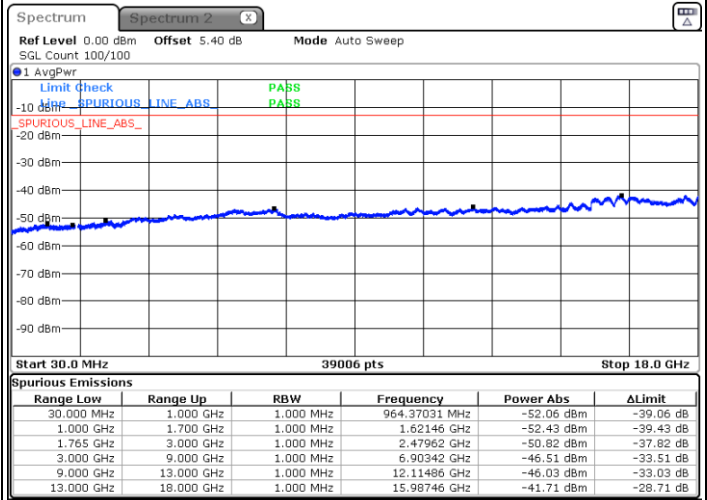
## LTE Band 4 / 5MHz

## Lowest Channel / QPSK



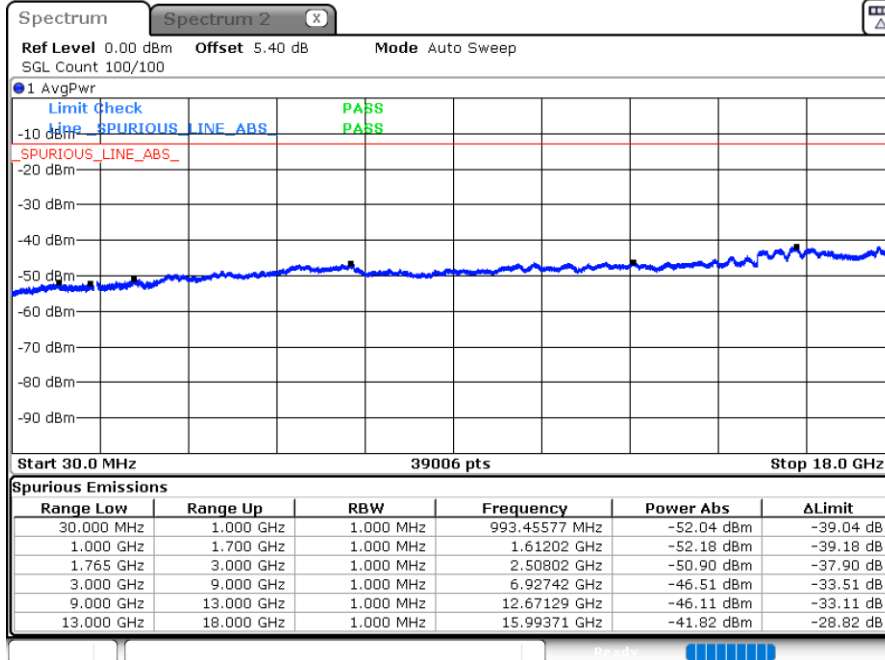
Date: 22.NOV.2024 07:08:30

## Middle Channel / QPSK



Date: 22.NOV.2024 07:13:18

## Highest Channel / QPSK

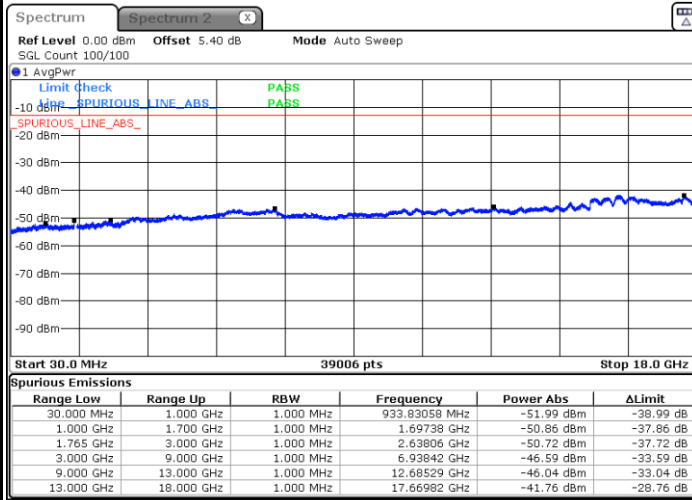


Date: 22.NOV.2024 07:14:14



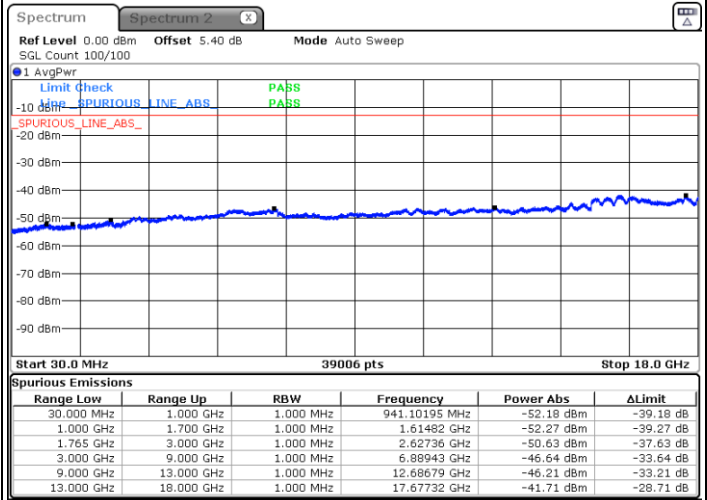
## LTE Band 4 / 10MHz

## Lowest Channel / QPSK



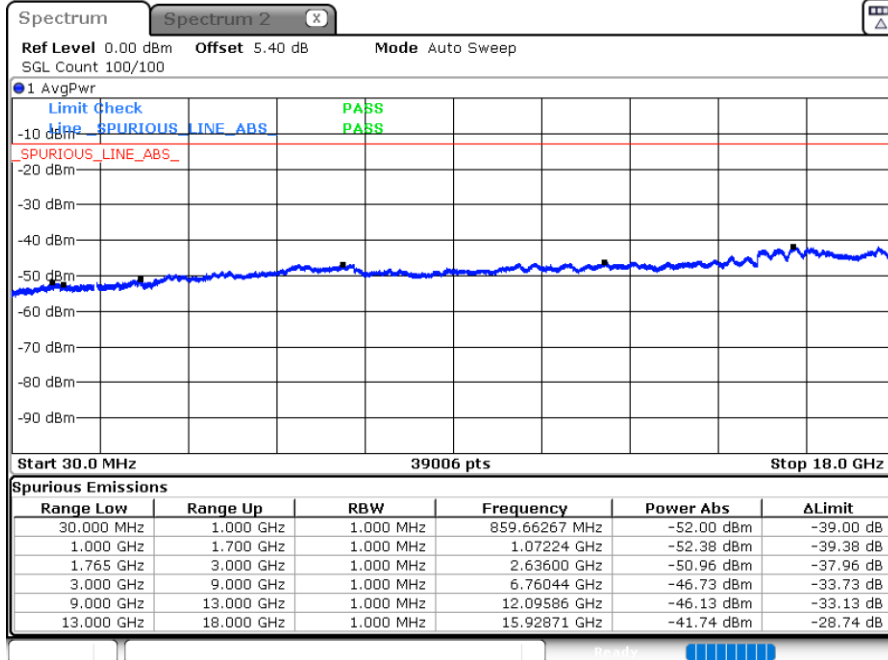
Date: 22.NOV.2024 07:19:03

## Middle Channel / QPSK



Date: 22.NOV.2024 07:23:50

## Highest Channel / QPSK

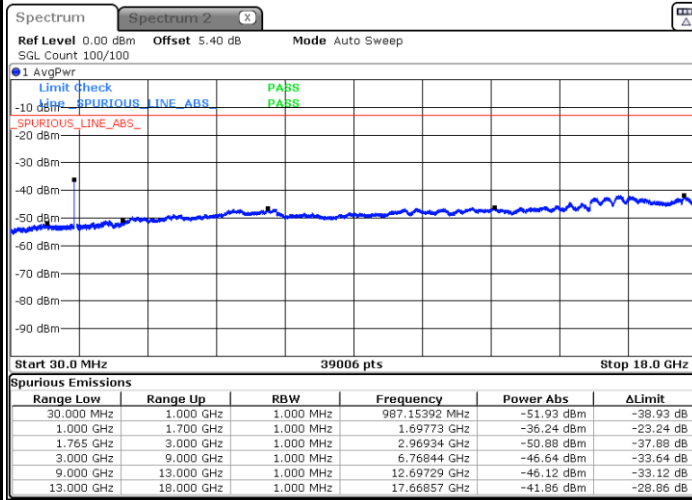


Date: 22.NOV.2024 07:24:43



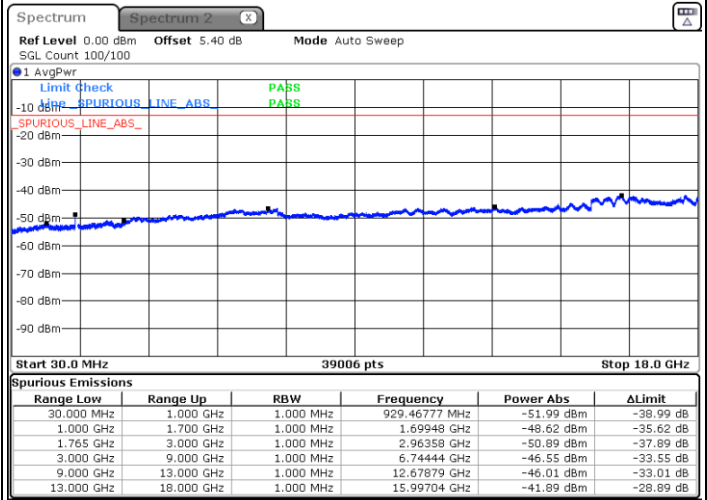
## LTE Band 4 / 15MHz

## Lowest Channel / QPSK



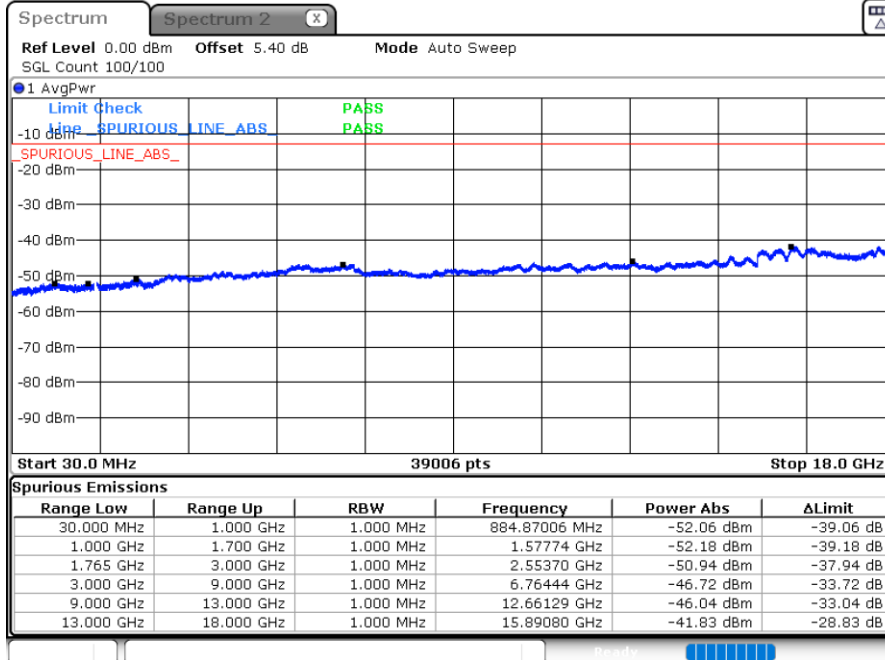
Date: 22.NOV.2024 07:29:32

## Middle Channel / QPSK



Date: 22.NOV.2024 07:34:20

## Highest Channel / QPSK

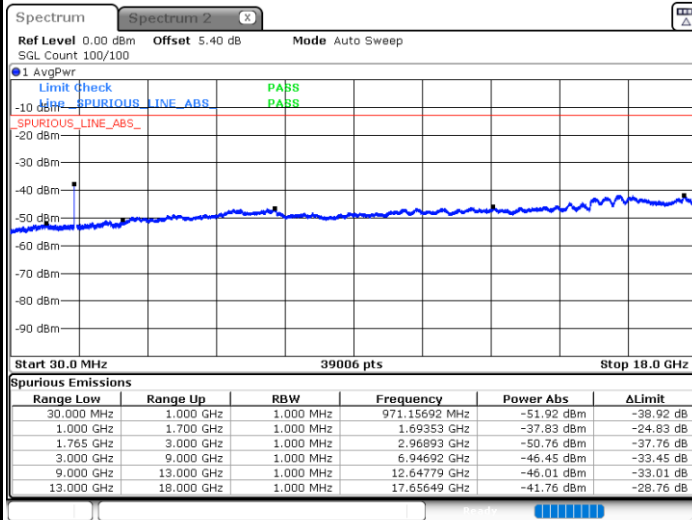


Date: 22.NOV.2024 07:35:12



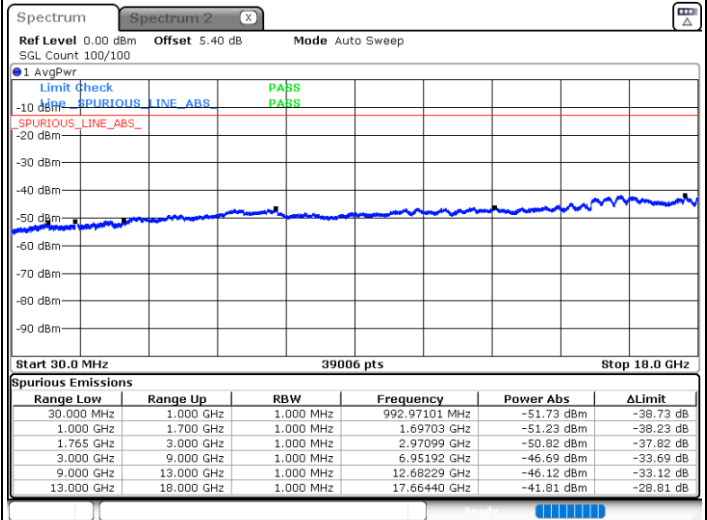
## LTE Band 4 / 20MHz

## Lowest Channel / QPSK



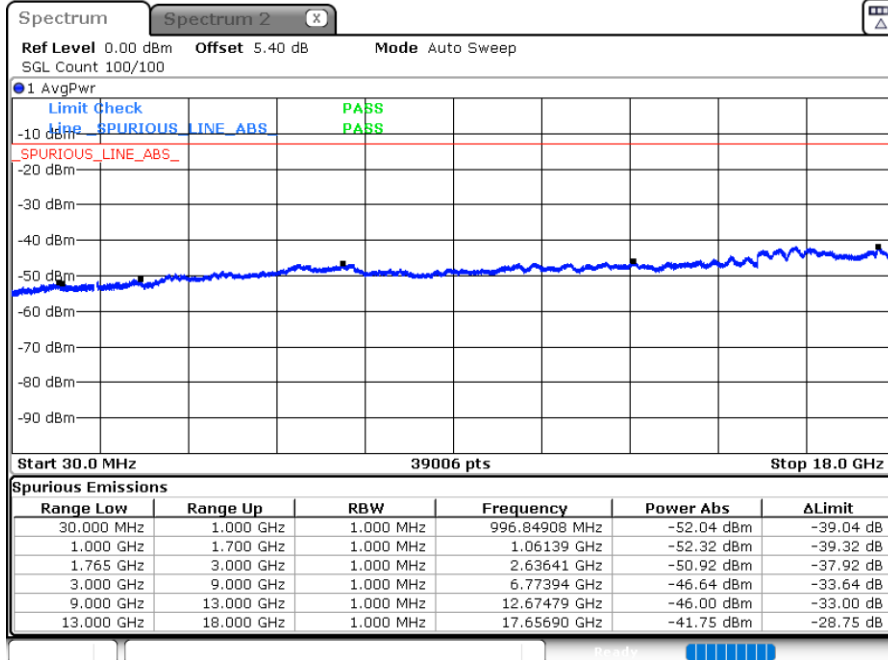
Date: 22.NOV.2024 07:40:03

## Middle Channel / QPSK



Date: 22.NOV.2024 07:44:51

## Highest Channel / QPSK



Date: 22.NOV.2024 07:45:44

**Frequency Stability**

| Test Conditions  |                   | LTE Band 4 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0026                             | PASS    |
| 40               | Normal Voltage    | 0.0012                             |         |
| 30               | Normal Voltage    | 0.0022                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0016                             |         |
| 0                | Normal Voltage    | 0.0019                             |         |
| -10              | Normal Voltage    | 0.0021                             |         |
| -20              | Normal Voltage    | 0.0025                             |         |
| -30              | Normal Voltage    | 0.0039                             |         |
| 20               | Maximum Voltage   | 0.0041                             |         |
| 20               | Normal Voltage    | 0.0044                             |         |
| 20               | Battery End Point | 0.0037                             |         |

**Note:**

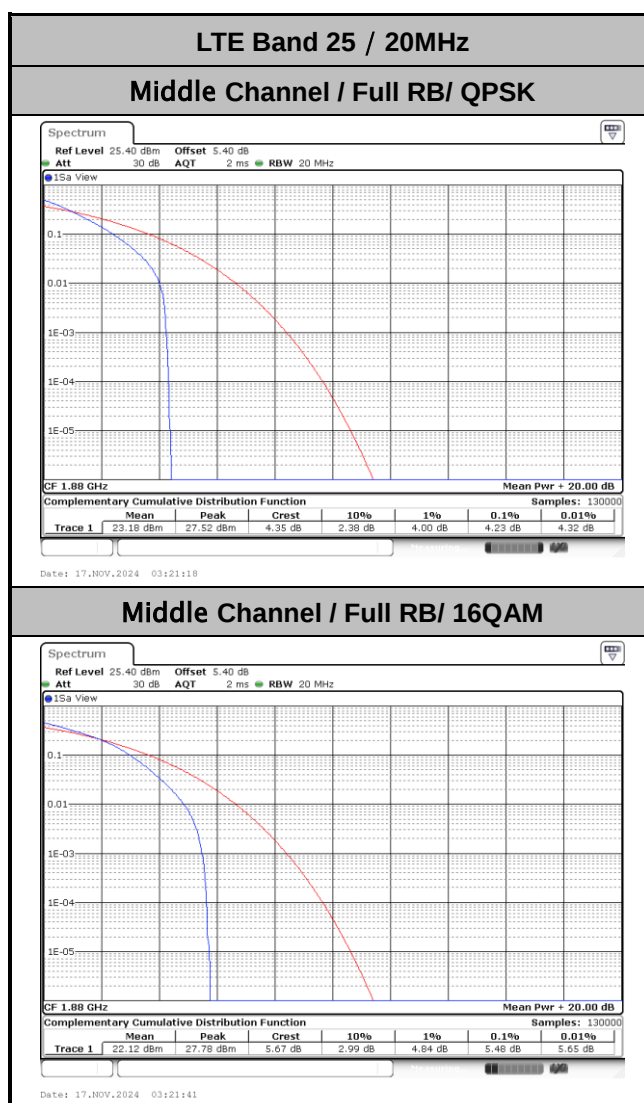
1. Normal Voltage =3.69 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.1 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



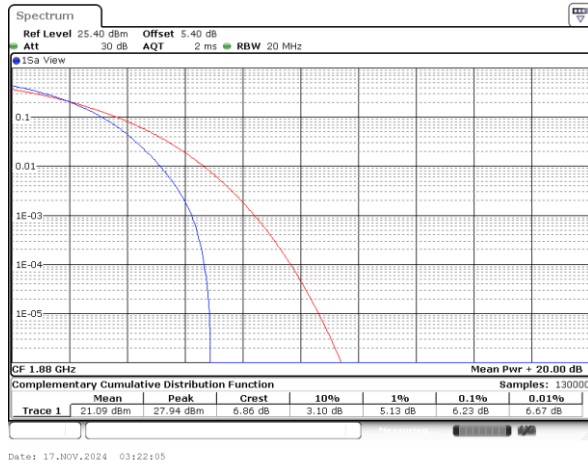
## LTE Band 25

## Peak-to-Average Ratio

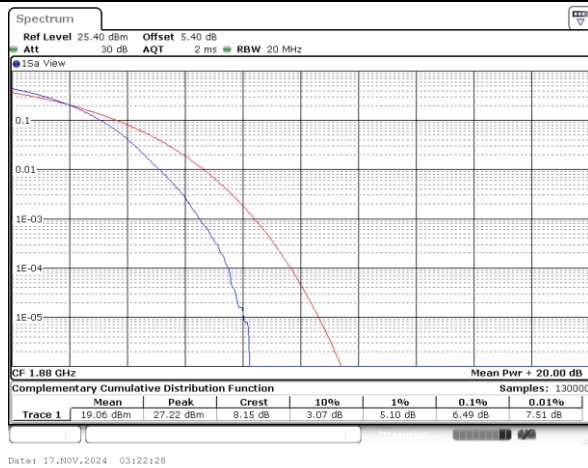
| Mode      | LTE Band 25 / 20MHz |         |         |         |             |
|-----------|---------------------|---------|---------|---------|-------------|
| Mod.      | QPSK                | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Full RB | Full RB | Result      |
| Middle CH | 4.23                | 5.48    | 6.23    | 6.49    | PASS        |



### Middle Channel / Full RB/ 64QAM



### Middle Channel / Full RB/ 256QAM



**26dB Bandwidth**

| Mode      | LTE Band 25 : 26dB BW(MHz) |       |
|-----------|----------------------------|-------|
| BW        | 1.4MHz                     |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 1.37                       | 1.33  |
| BW        | 3MHz                       |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 3.07                       | 3.09  |
| BW        | 5MHz                       |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 5.04                       | 5.07  |
| BW        | 10MHz                      |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 9.87                       | 9.83  |
| BW        | 15MHz                      |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 14.63                      | 14.66 |
| BW        | 20MHz                      |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 19.10                      | 19.06 |