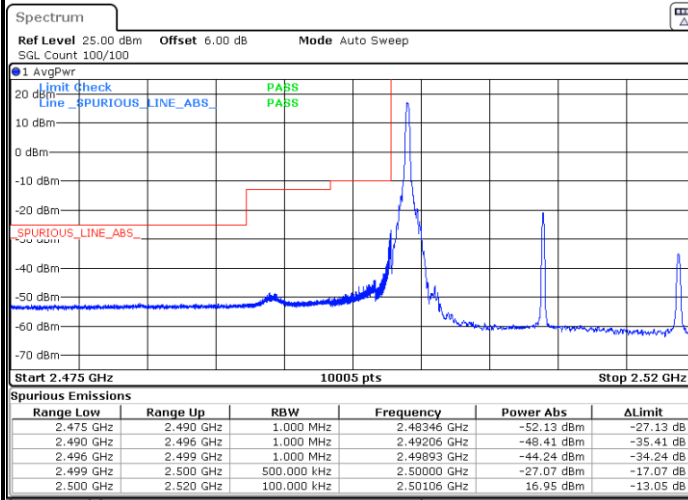


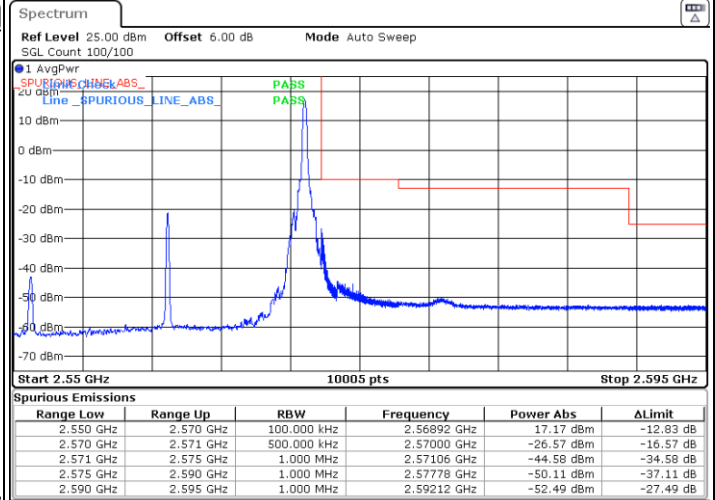


## LTE Band 7 / 20MHz / 256QAM

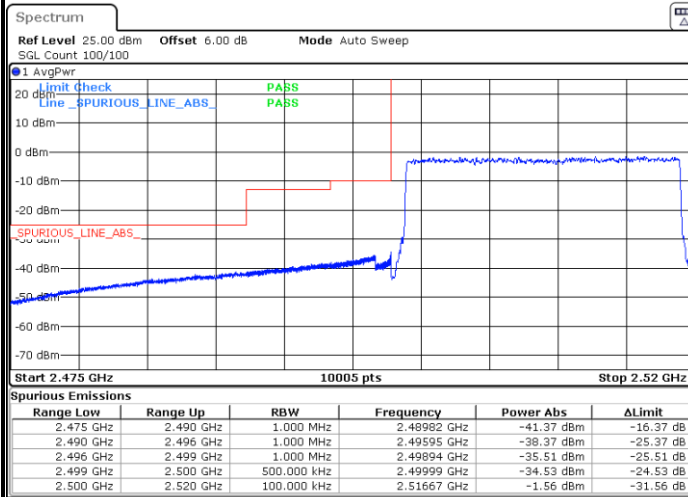
## Lowest Band Edge / 1 RB



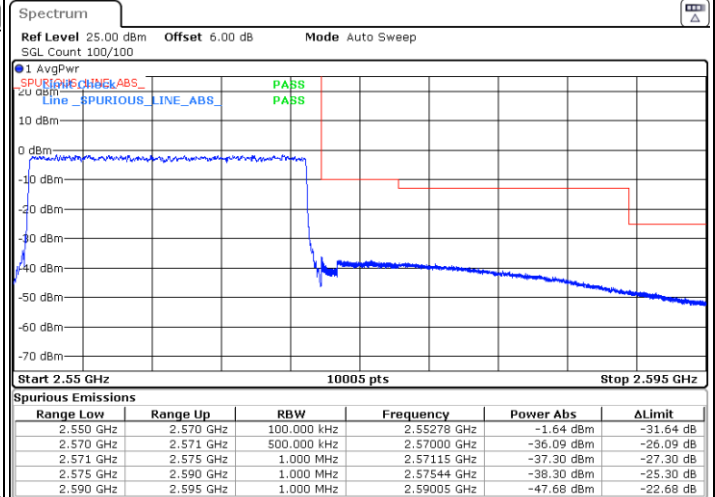
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

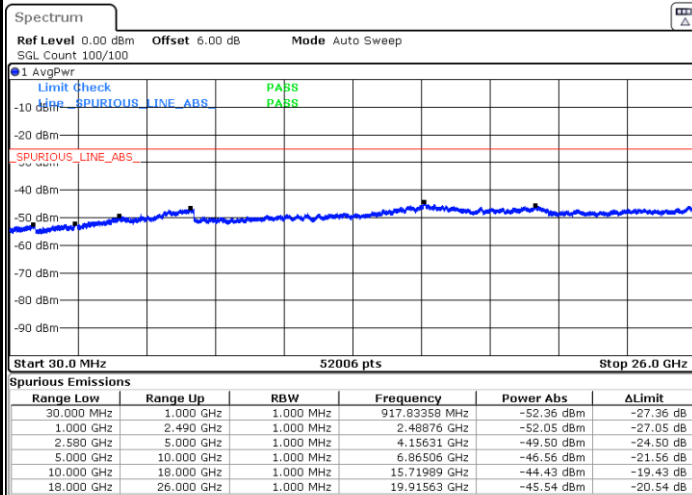




## Conducted Spurious Emission

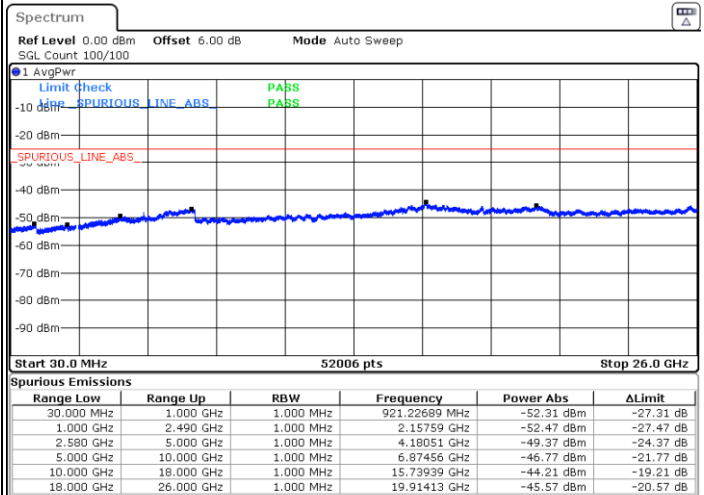
### LTE Band 7 / 5MHz

#### Lowest Channel / QPSK



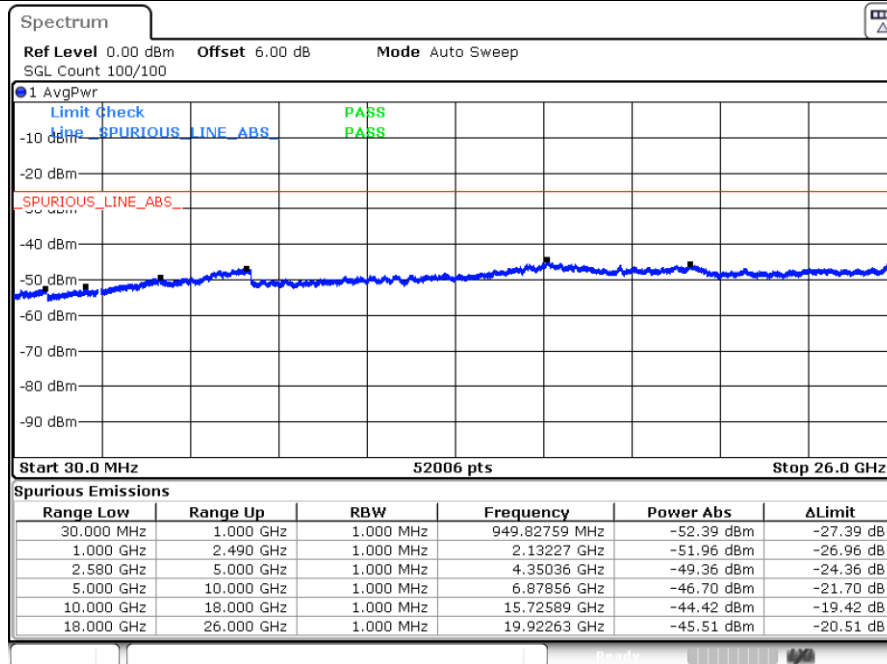
Date: 24.FEB.2023 10:29:57

#### Middle Channel / QPSK



Date: 24.FEB.2023 10:36:50

#### Highest Channel / QPSK

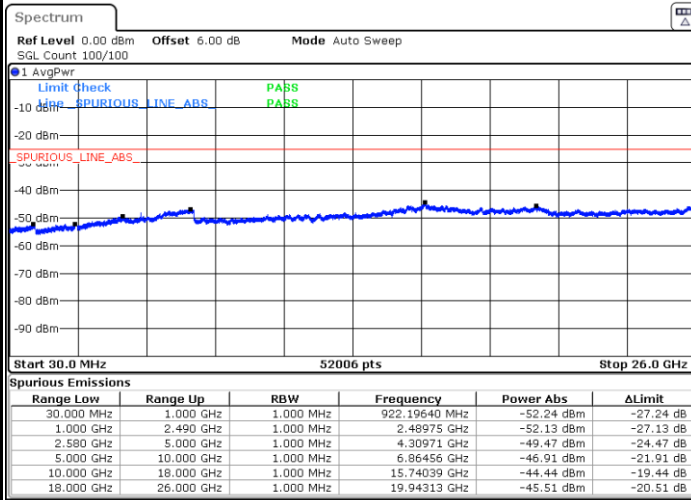


Date: 24.FEB.2023 10:39:00



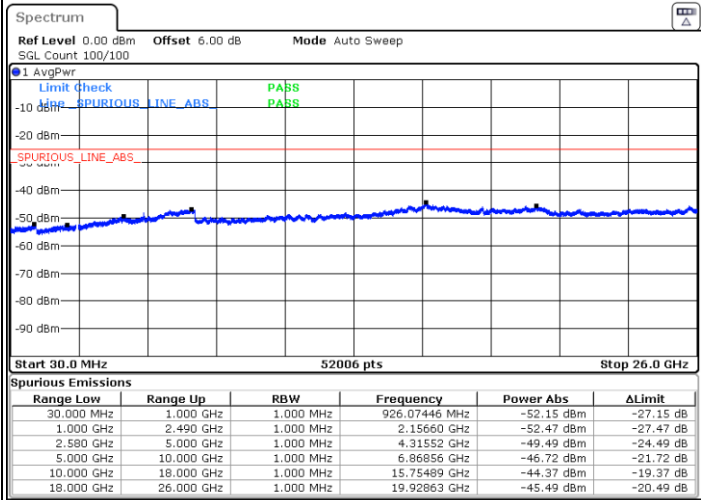
## LTE Band 7 / 10MHz

## Lowest Channel / QPSK



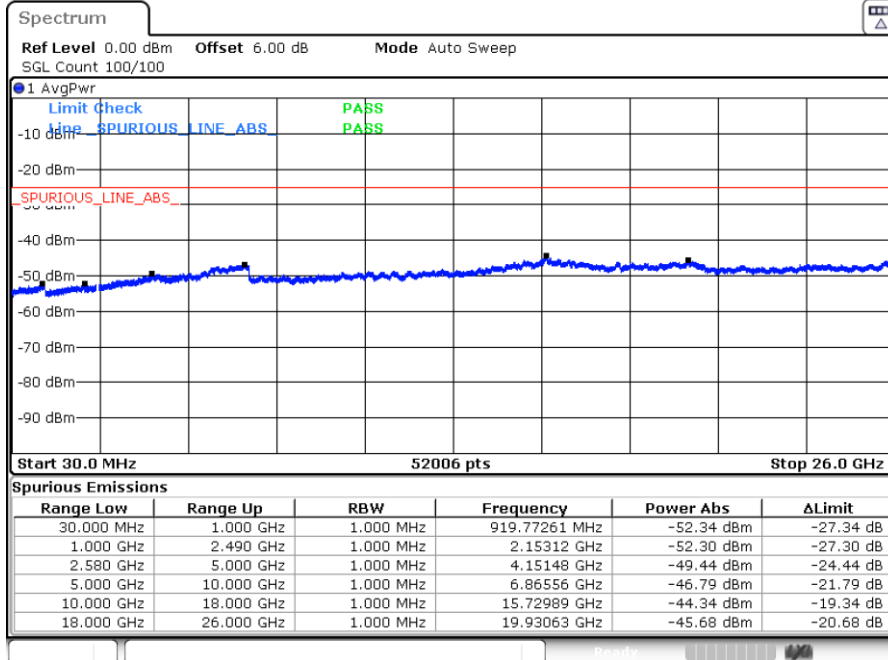
Date: 24.FEB.2023 10:43:54

## Middle Channel / QPSK



Date: 24.FEB.2023 10:56:32

## Highest Channel / QPSK

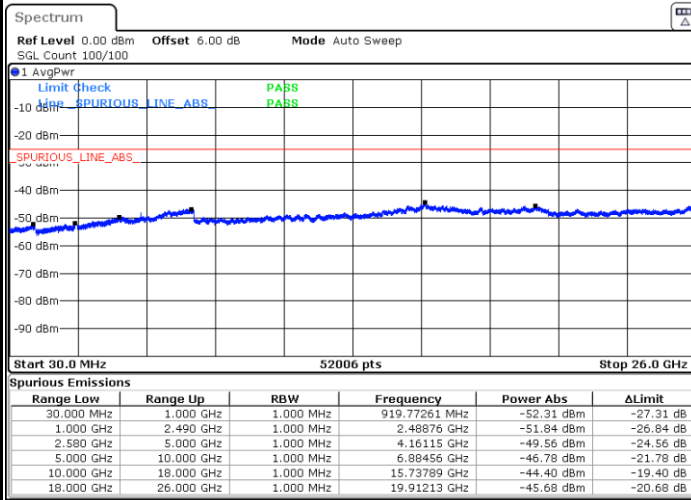


Date: 24.FEB.2023 10:57:44



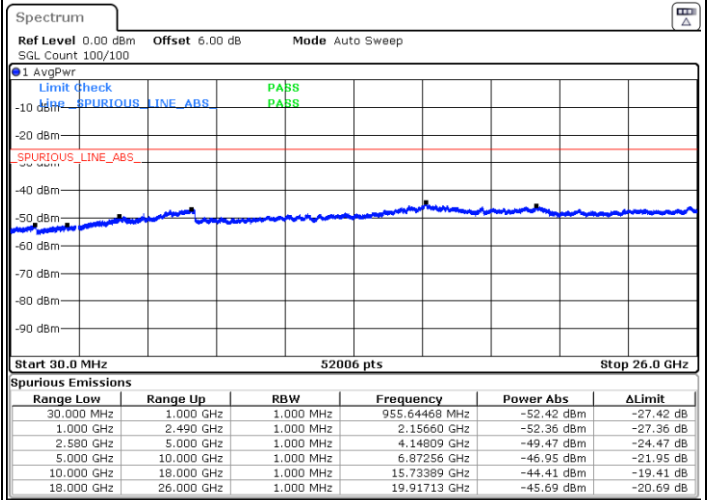
## LTE Band 7 / 15MHz

## Lowest Channel / QPSK



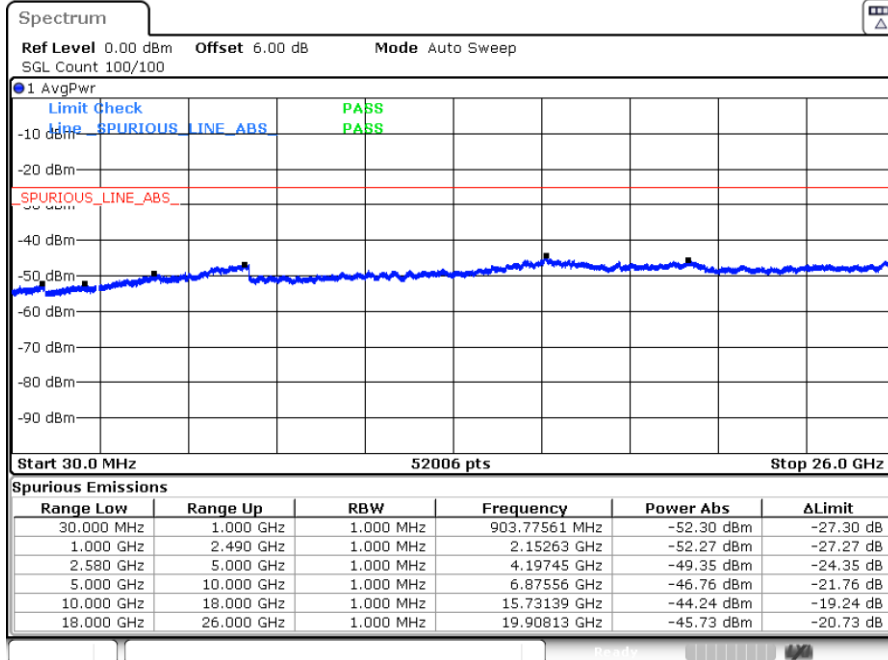
Date: 24.FEB.2023 11:12:01

## Middle Channel / QPSK



Date: 24.FEB.2023 11:17:00

## Highest Channel / QPSK

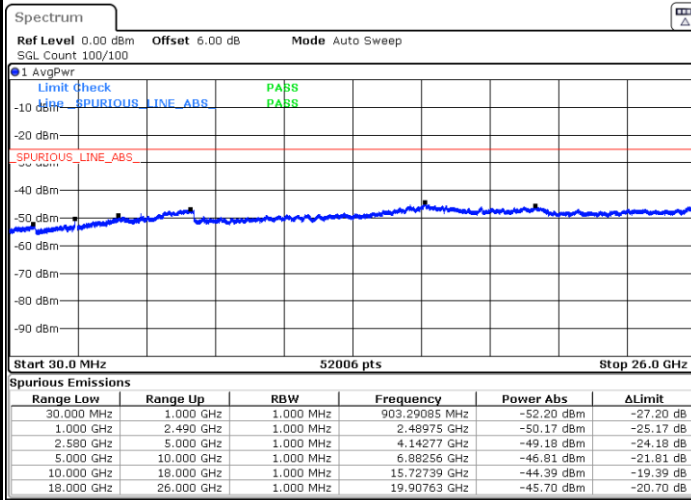


Date: 24.FEB.2023 11:18:05



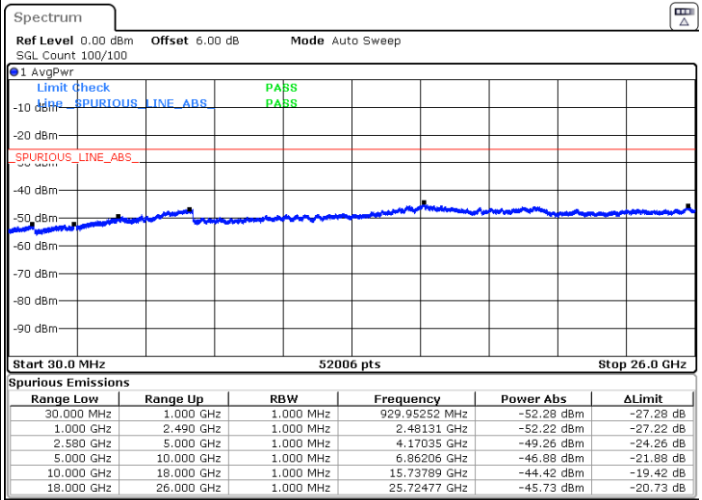
## LTE Band 7 / 20MHz

## Lowest Channel / QPSK



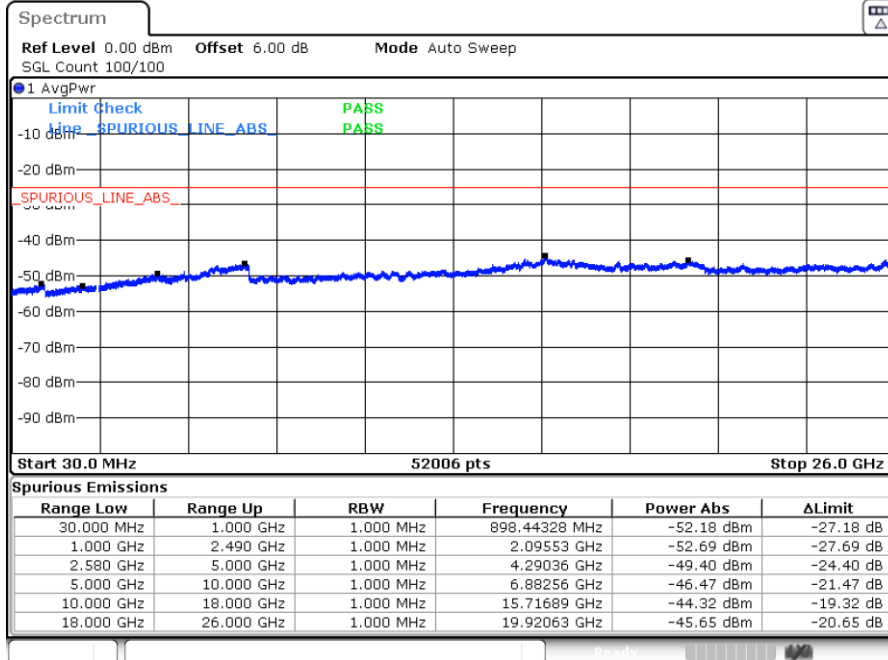
Date: 24.FEB.2023 11:23:40

## Middle Channel / QPSK



Date: 24.FEB.2023 11:31:10

## Highest Channel / QPSK



Date: 24.FEB.2023 11:32:53

## Frequency Stability

| Test Conditions  |                   | LTE Band 7 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0025                             | PASS    |
| 40               | Normal Voltage    | 0.0037                             |         |
| 30               | Normal Voltage    | 0.0013                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0022                             |         |
| 0                | Normal Voltage    | 0.0044                             |         |
| -10              | Normal Voltage    | 0.0019                             |         |
| -20              | Normal Voltage    | 0.0008                             |         |
| -30              | Normal Voltage    | 0.0016                             |         |
| 20               | Maximum Voltage   | 0.0028                             |         |
| 20               | Normal Voltage    | 0.0016                             |         |
| 20               | Battery End Point | 0.0031                             |         |

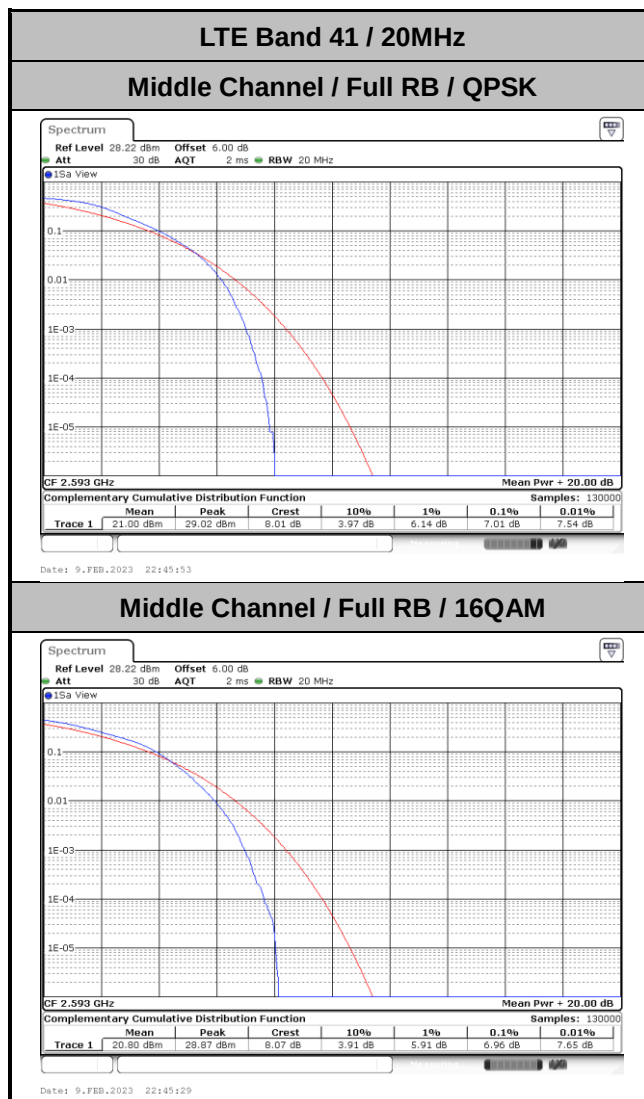
**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.41 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

## LTE Band 41

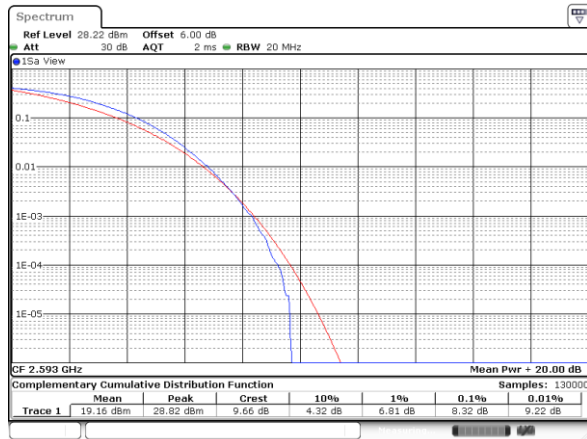
### Peak-to-Average Ratio

| Mode      | LTE Band 41 / 20MHz |         |         |         |             |
|-----------|---------------------|---------|---------|---------|-------------|
| Mod.      | QPSK                | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Full RB | Full RB | Result      |
| Middle CH | 7.01                | 6.96    | 8.32    | 7.13    | PASS        |



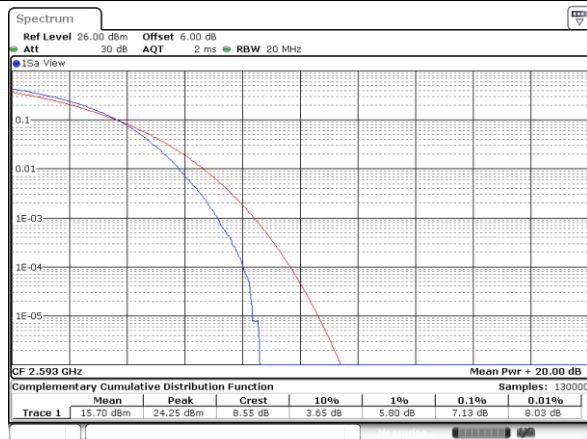


Middle Channel / Full RB / 64QAM



Date: 9.FEB.2023 22:45:04

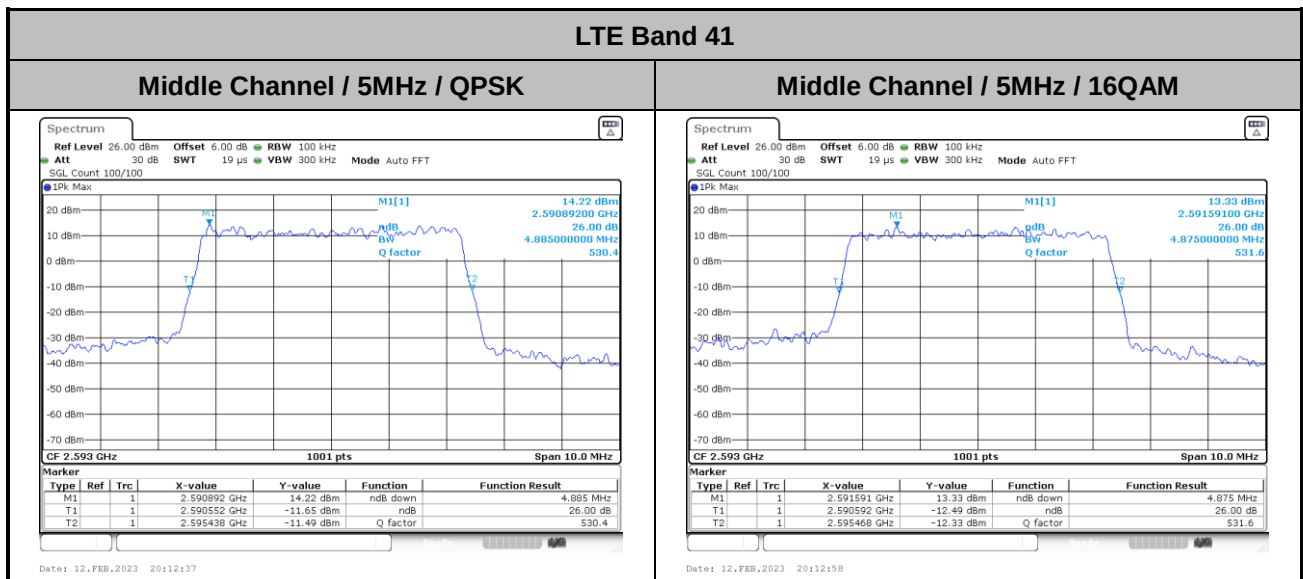
Middle Channel / Full RB / 256QAM



Date: 21.FEB.2023 00:24:16

**26dB Bandwidth**

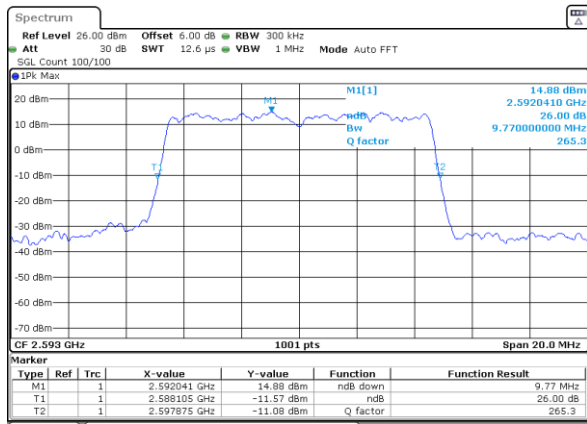
| Mode      | LTE Band 41 : 26dB BW(MHz) |       |
|-----------|----------------------------|-------|
| BW        | 5MHz                       |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 4.89                       | 4.88  |
| BW        | 10MHz                      |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 9.77                       | 9.71  |
| BW        | 15MHz                      |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 14.36                      | 14.30 |
| BW        | 20MHz                      |       |
| Mod.      | QPSK                       | 16QAM |
| Middle CH | 18.86                      | 19.26 |





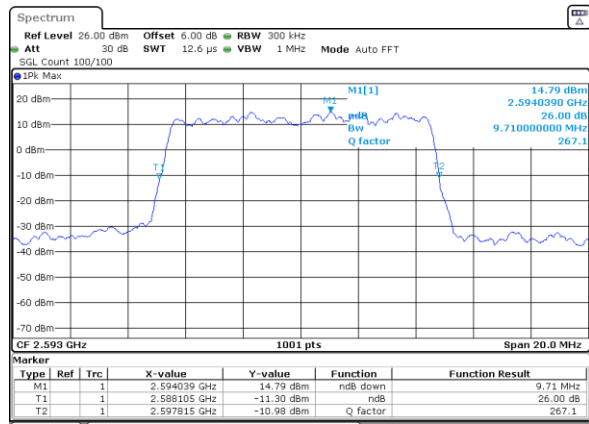
## LTE Band 41

## Middle Channel / 10MHz / QPSK



Date: 12.FEB.2023 20:15:05

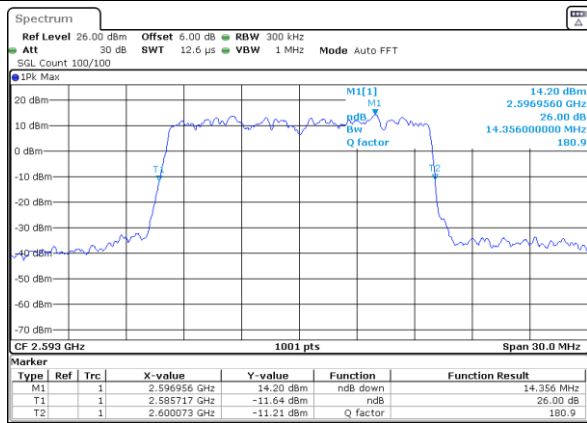
## Middle Channel / 10MHz / 16QAM



Date: 12.FEB.2023 20:14:44

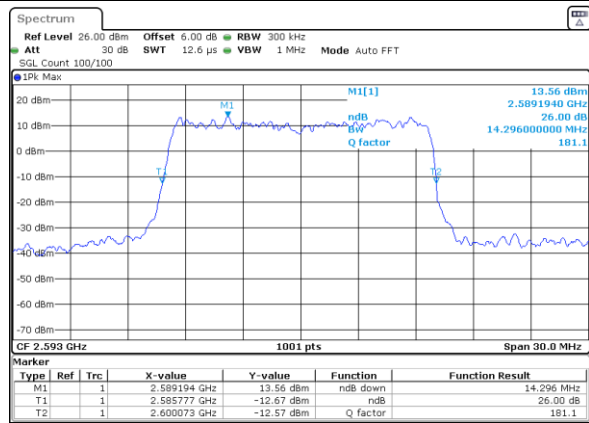
## LTE Band 41

## Middle Channel / 15MHz / QPSK



Date: 12.FEB.2023 20:15:27

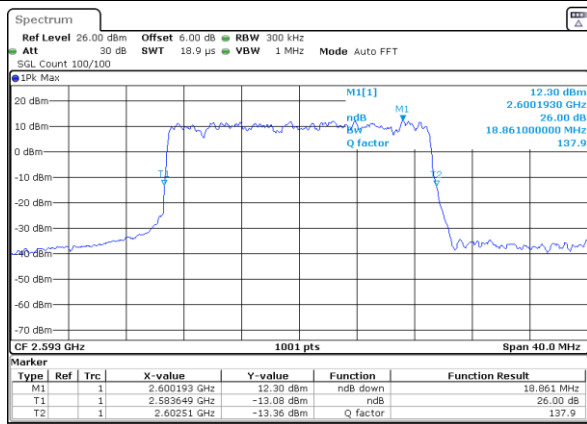
## Middle Channel / 15MHz / 16QAM



Date: 12.FEB.2023 20:15:48

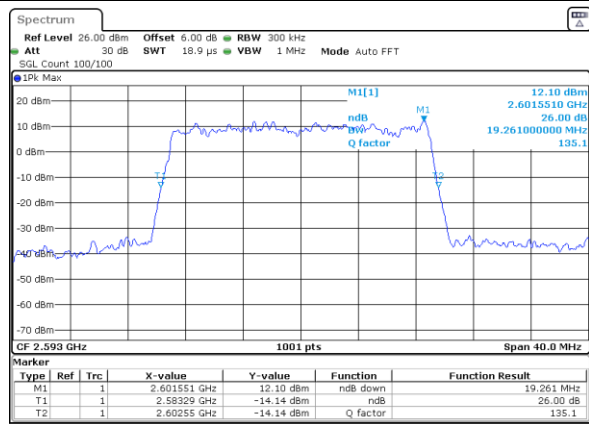
## LTE Band 41

## Middle Channel / 20MHz / QPSK



Date: 12.FEB.2023 20:17:55

## Middle Channel / 20MHz / 16QAM

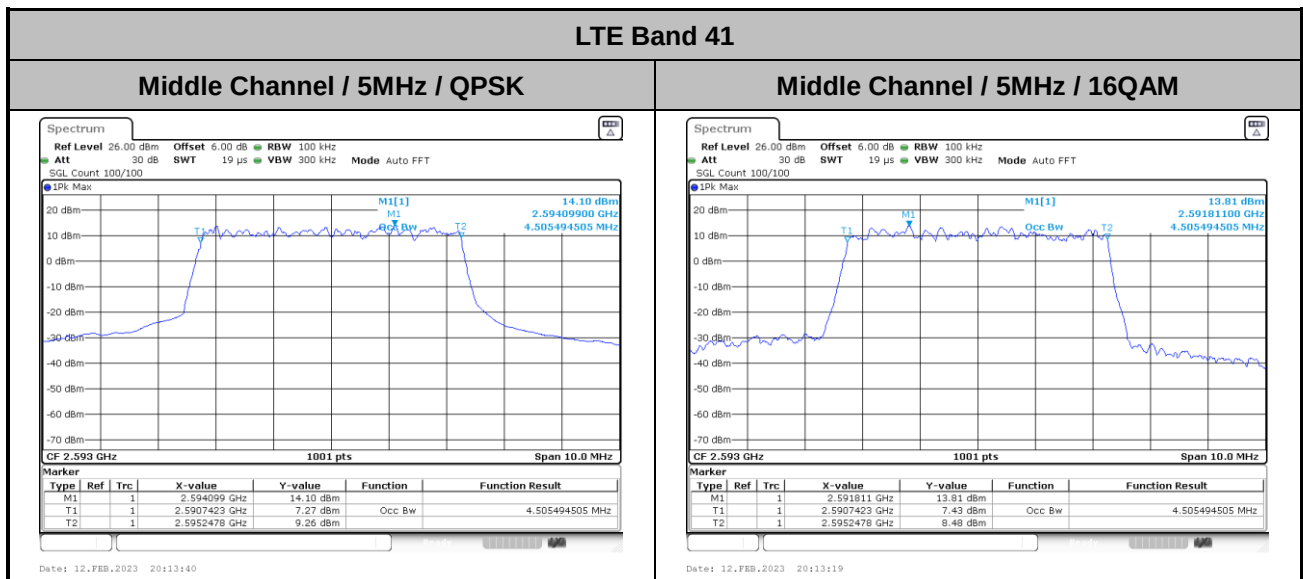


Date: 12.FEB.2023 20:17:34



## Occupied Bandwidth

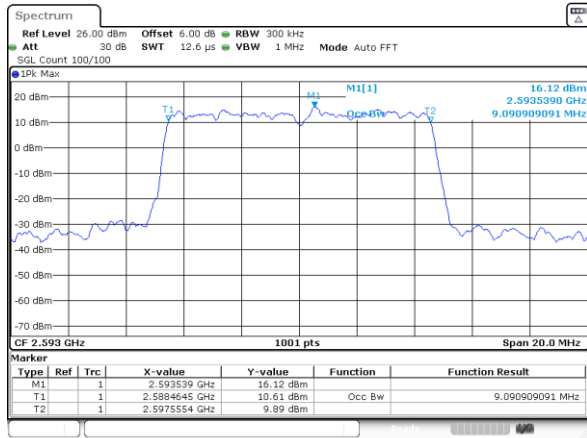
| Mode      | LTE Band 41 : 99%OBW(MHz) |       |
|-----------|---------------------------|-------|
| BW        | 5MHz                      |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 4.51                      | 4.51  |
| BW        | 10MHz                     |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 9.09                      | 9.05  |
| BW        | 15MHz                     |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 13.46                     | 13.43 |
| BW        | 20MHz                     |       |
| Mod.      | QPSK                      | 16QAM |
| Middle CH | 17.90                     | 17.90 |





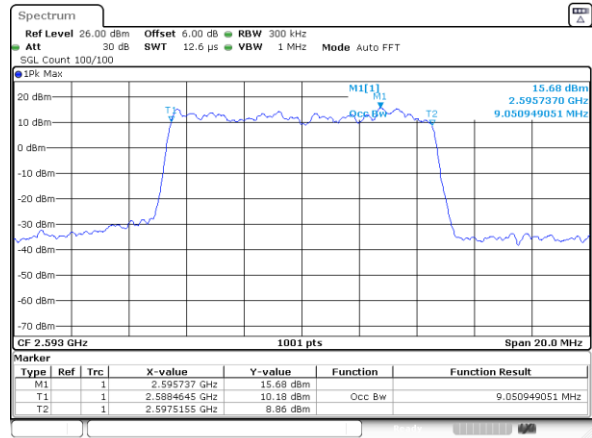
## LTE Band 41

## Middle Channel / 10MHz / QPSK



Date: 12.FEB.2023 20:14:02

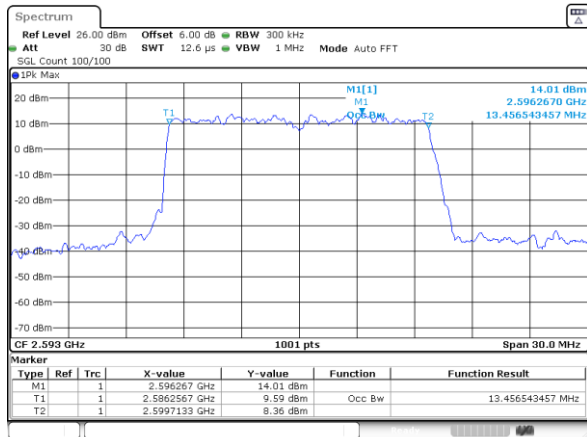
## Middle Channel / 10MHz / 16QAM



Date: 12.FEB.2023 20:14:23

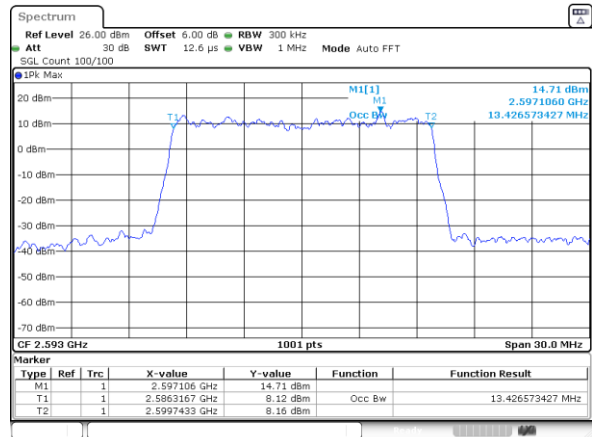
## LTE Band 41

## Middle Channel / 15MHz / QPSK



Date: 12.FEB.2023 20:16:30

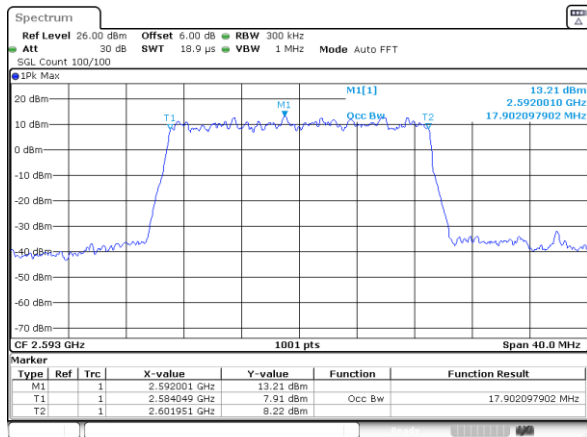
## Middle Channel / 15MHz / 16QAM



Date: 12.FEB.2023 20:16:09

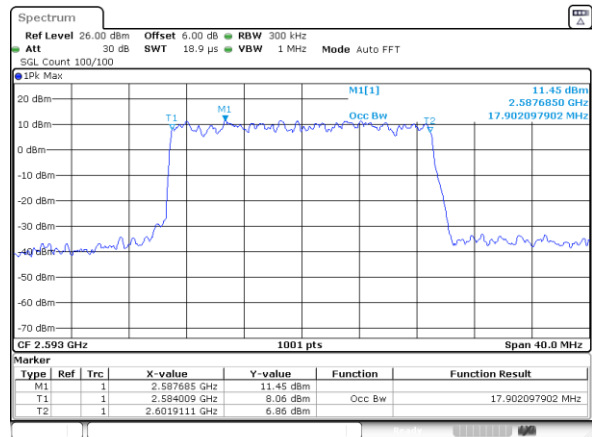
## LTE Band 41

## Middle Channel / 20MHz / QPSK



Date: 12.FEB.2023 20:16:52

## Middle Channel / 20MHz / 16QAM



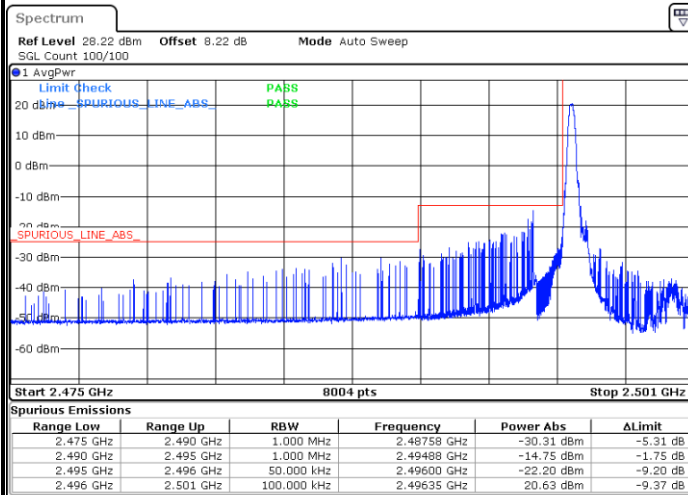
Date: 12.FEB.2023 20:17:13



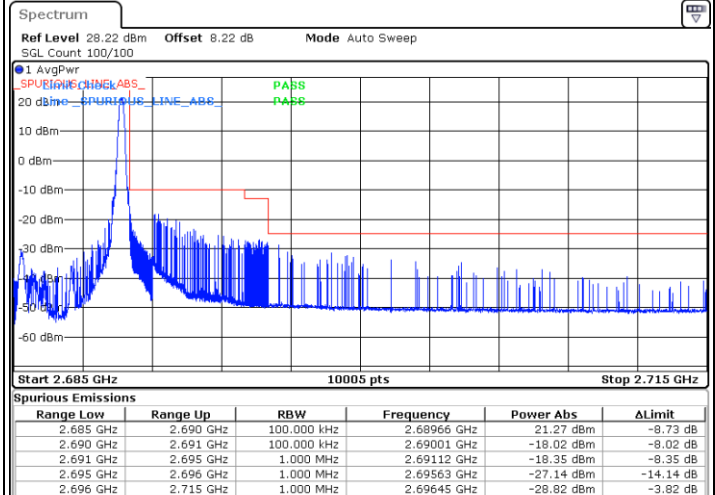
## Conducted Band Edge

### LTE Band 41 / 5MHz / QPSK

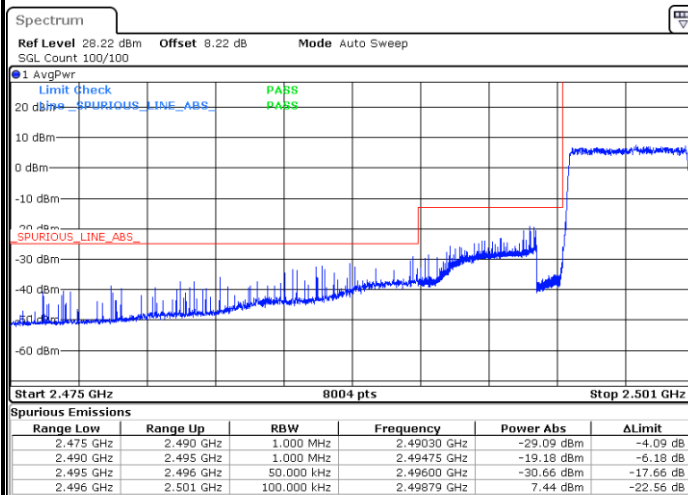
#### Lowest Band Edge / 1 RB



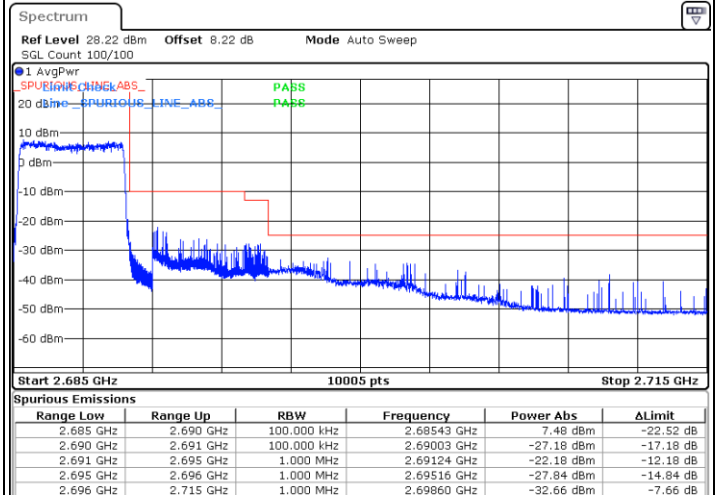
#### Highest Band Edge / 1 RB



#### Lowest Band Edge / Full RB



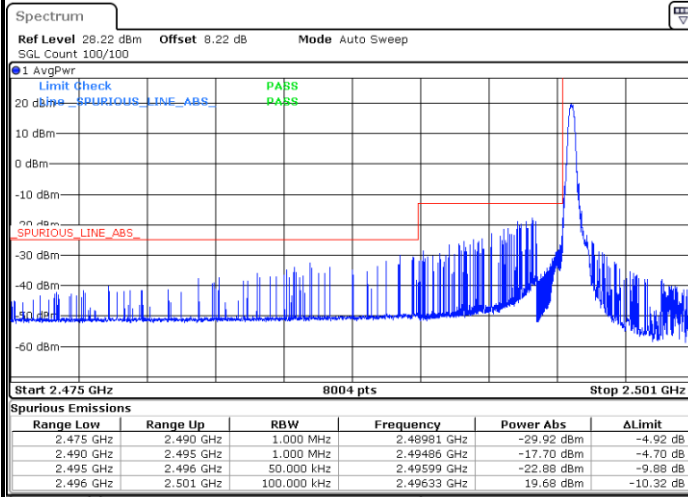
#### Highest Band Edge / Full RB



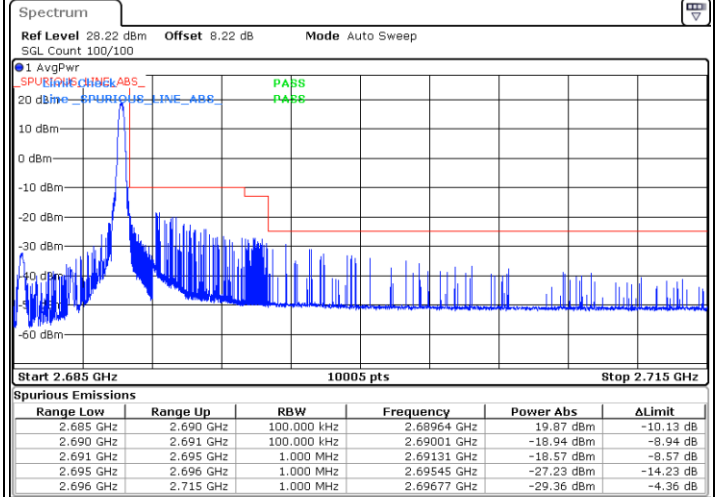


## LTE Band 41 / 5MHz / 16QAM

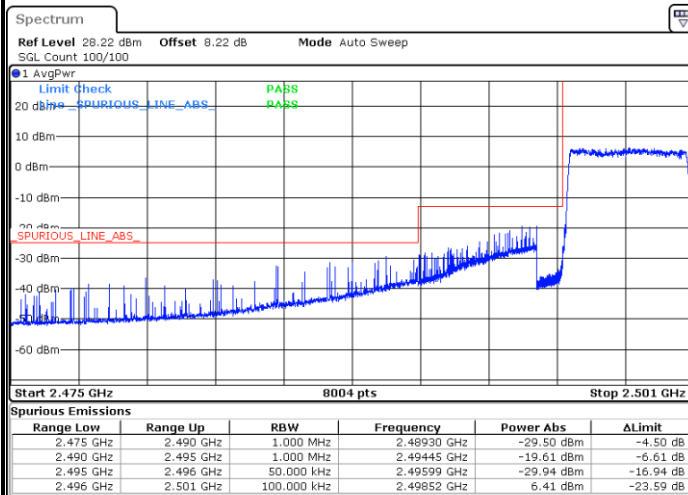
## Lowest Band Edge / 1RB



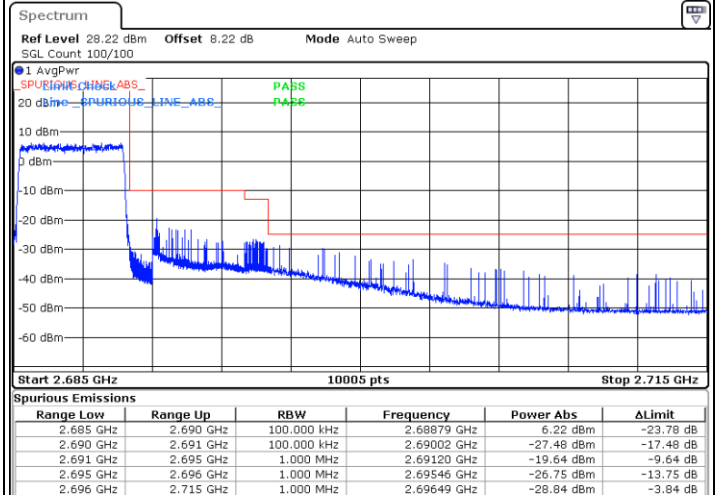
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



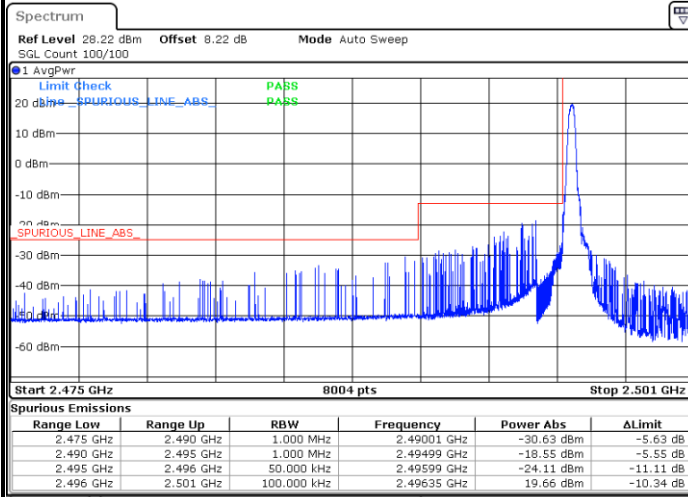
## Highest Band Edge / Full RB



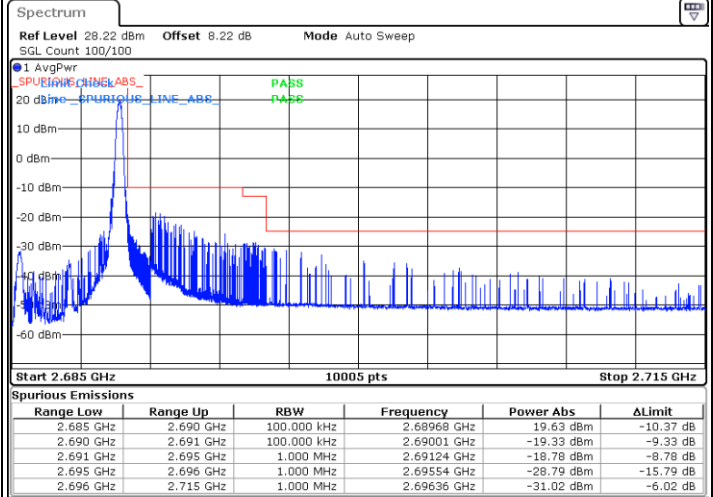


## LTE Band 41 / 5MHz / 64QAM

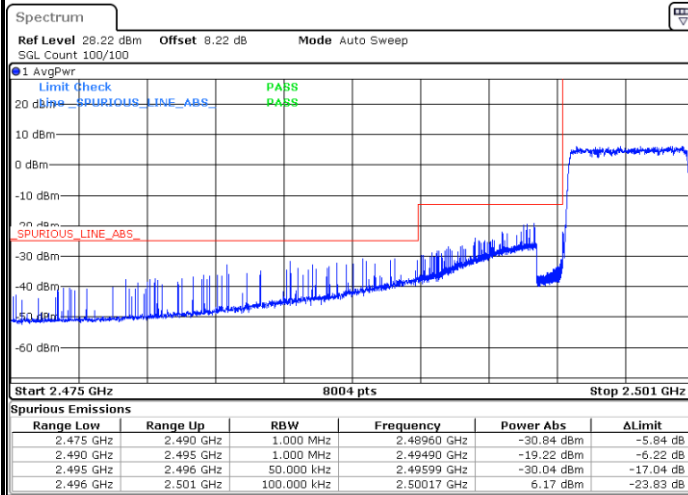
## Lowest Band Edge / 1RB



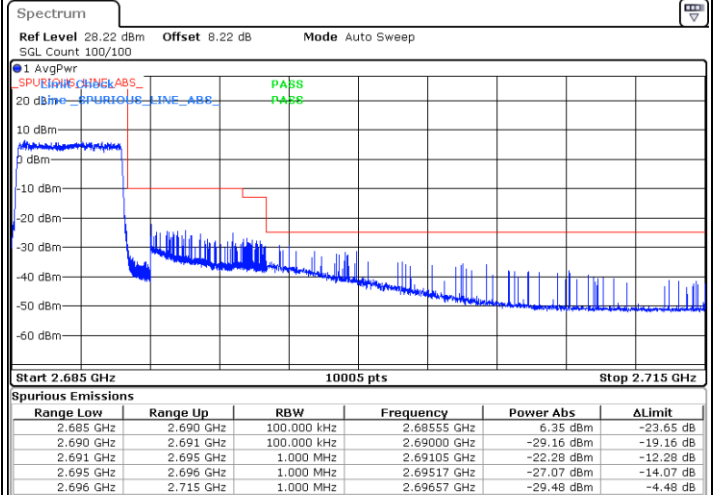
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



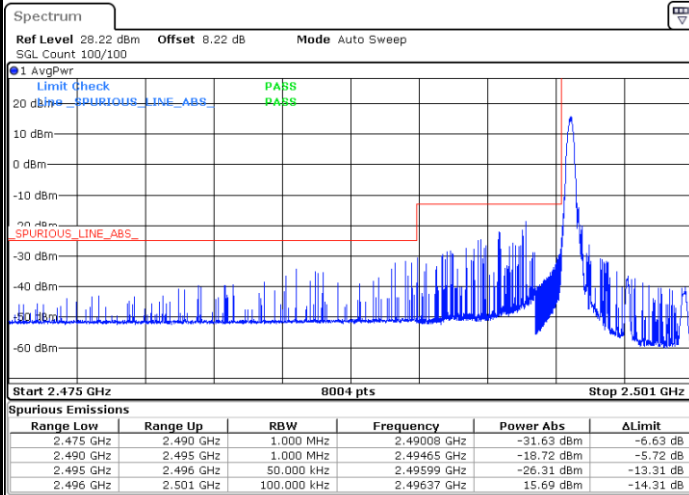
## Highest Band Edge / Full RB



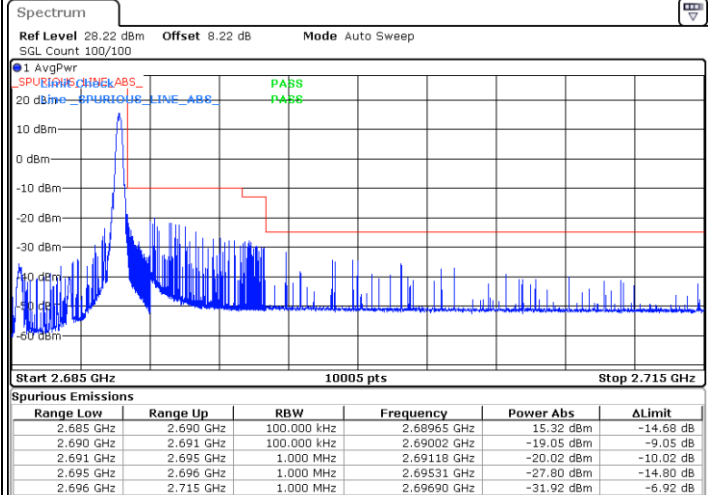


## LTE Band 41 / 5MHz / 256QAM

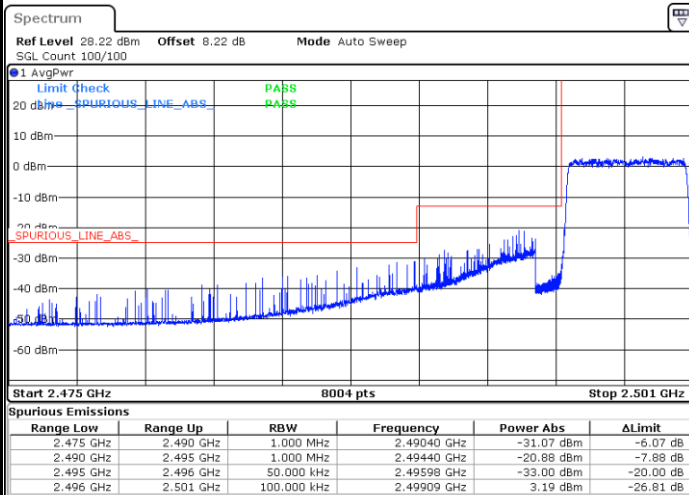
## Lowest Band Edge / 1RB



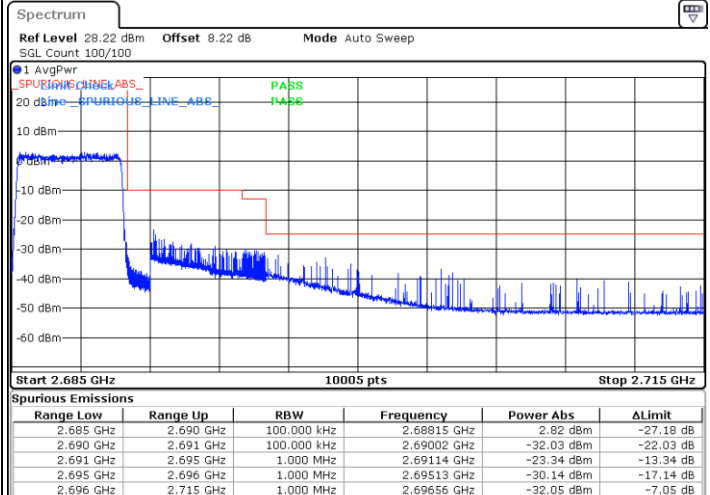
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



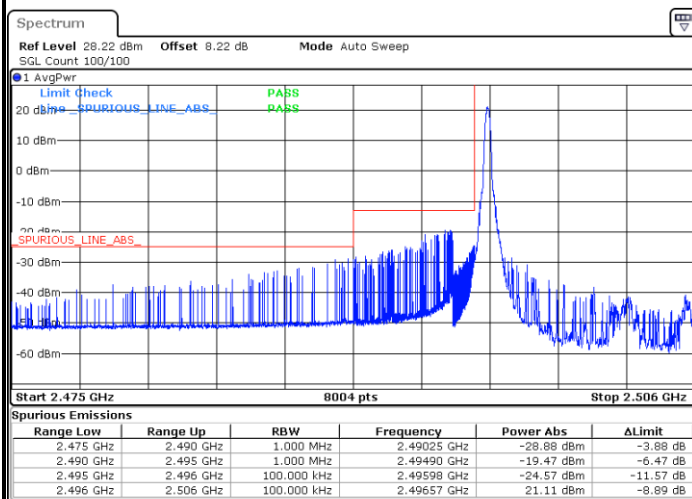
## Highest Band Edge / Full RB



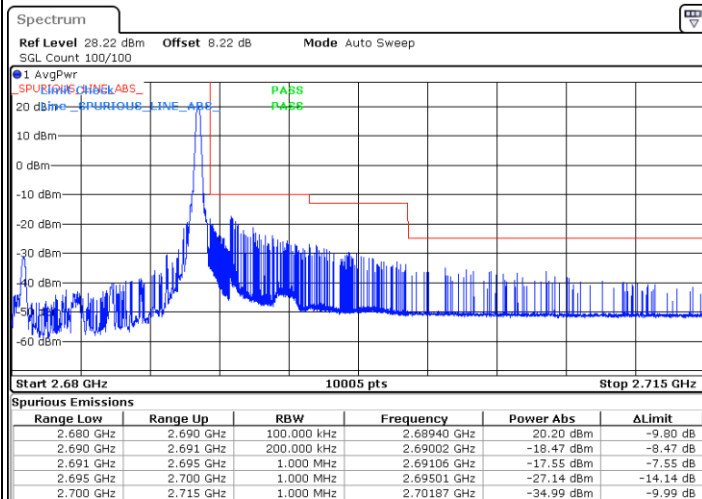


## LTE Band 41 / 10MHz / QPSK

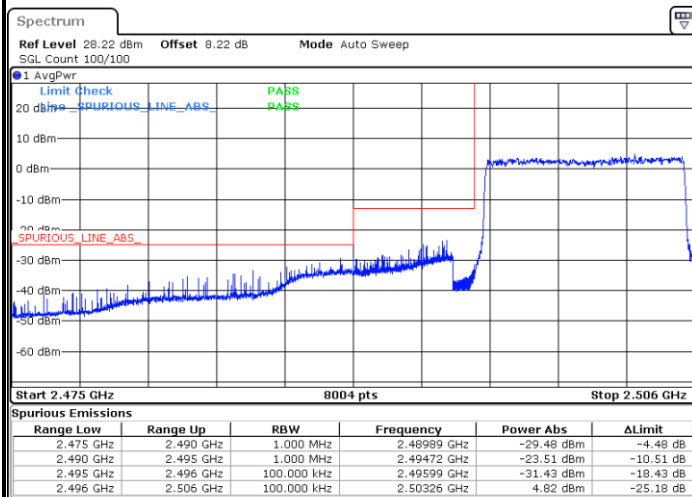
## Lowest Band Edge / 1 RB



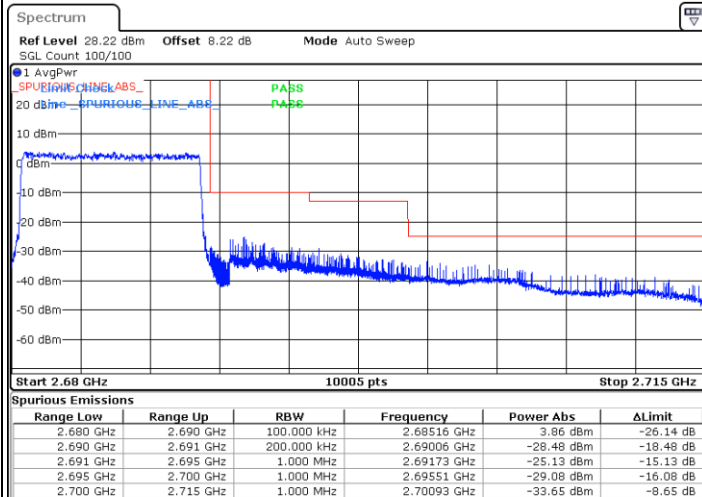
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



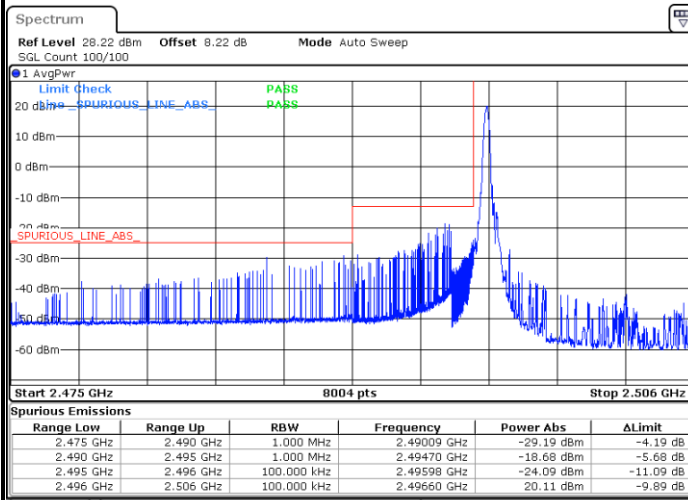
## Highest Band Edge / Full RB



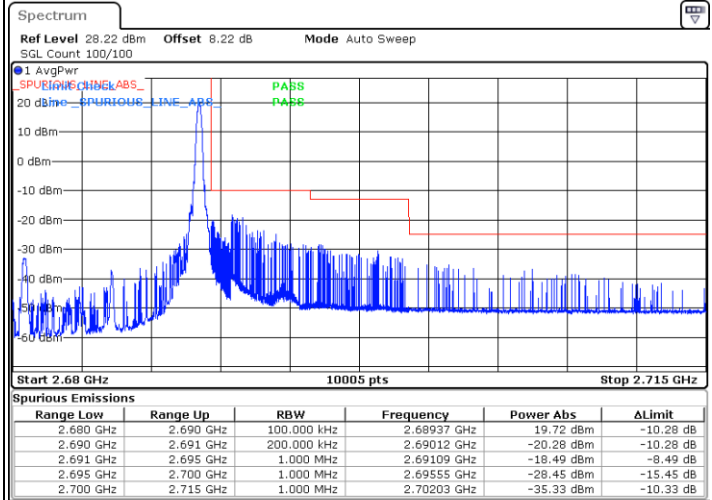


## LTE Band 41 / 10MHz / 16QAM

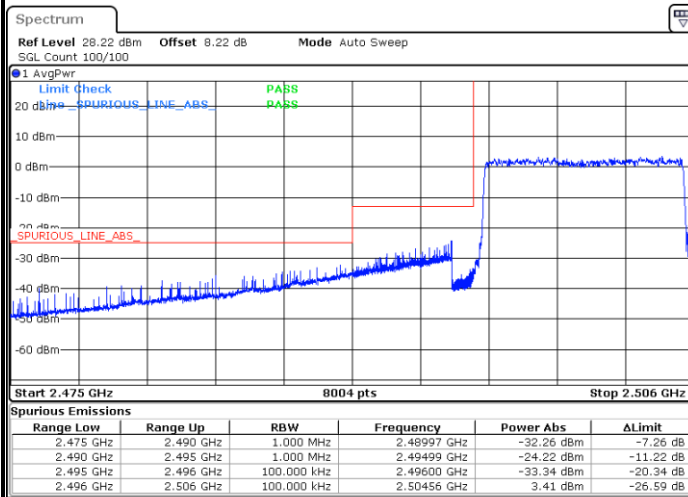
## Lowest Band Edge / 1 RB



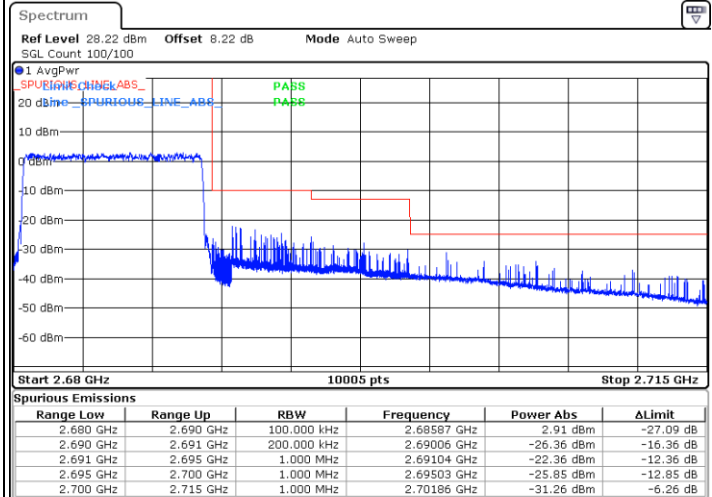
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



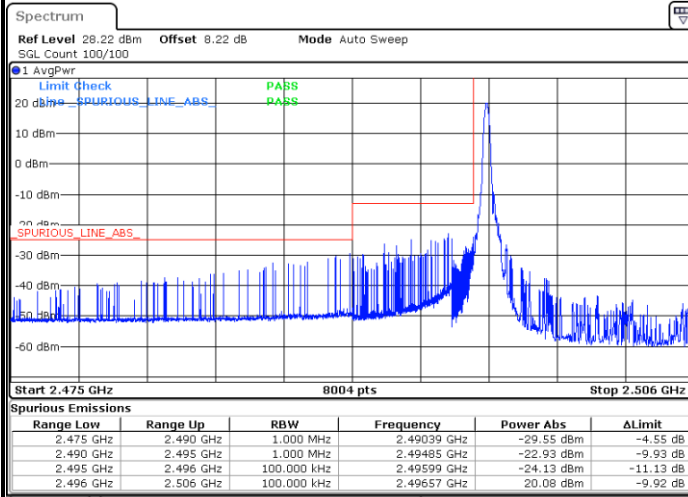
## Highest Band Edge / Full RB



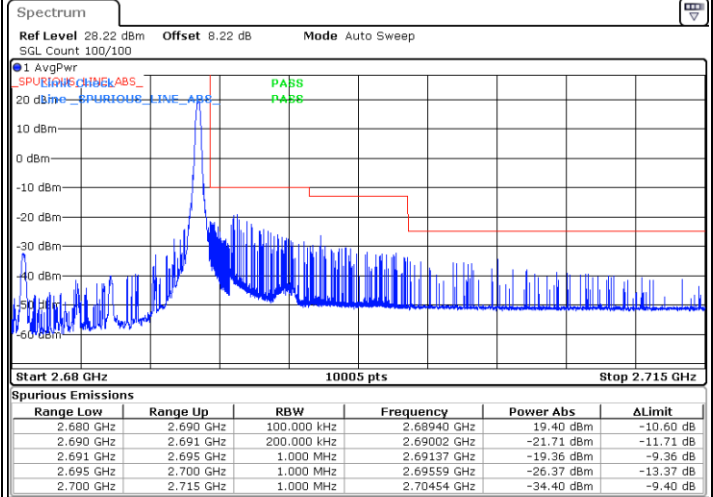


## LTE Band 41 / 10MHz / 64QAM

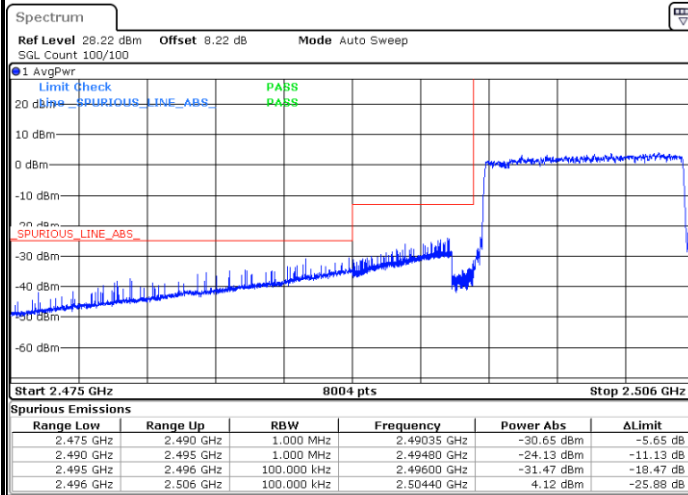
## Lowest Band Edge / 1 RB



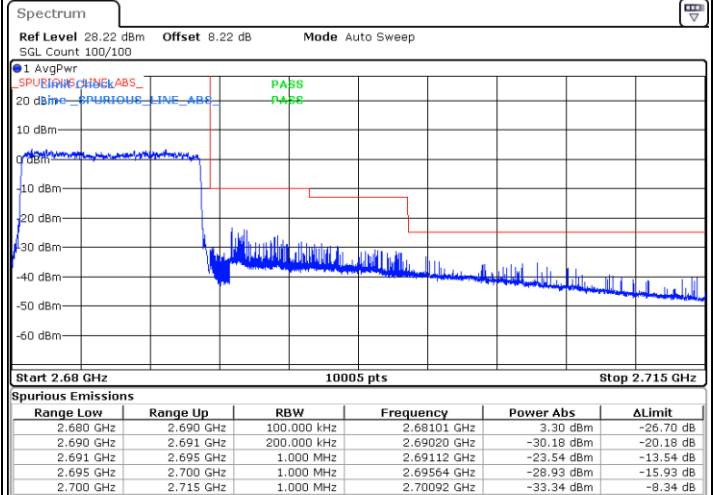
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



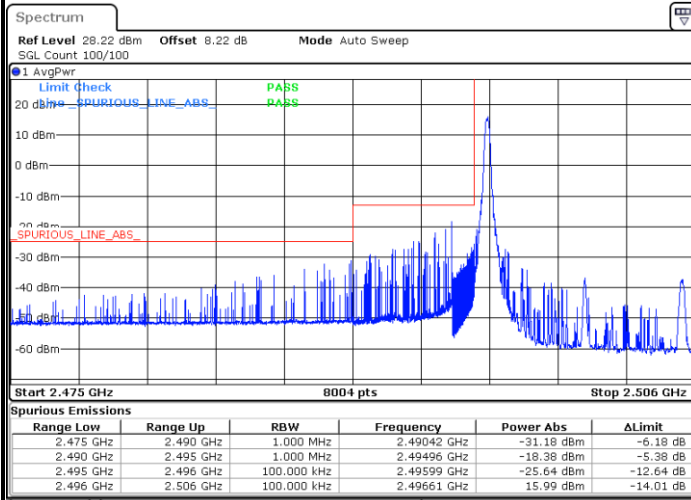
## Highest Band Edge / Full RB



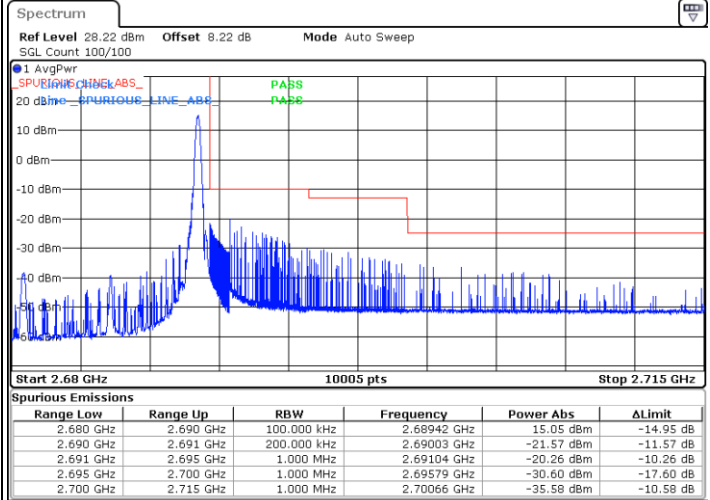


## LTE Band 41 / 10MHz / 256QAM

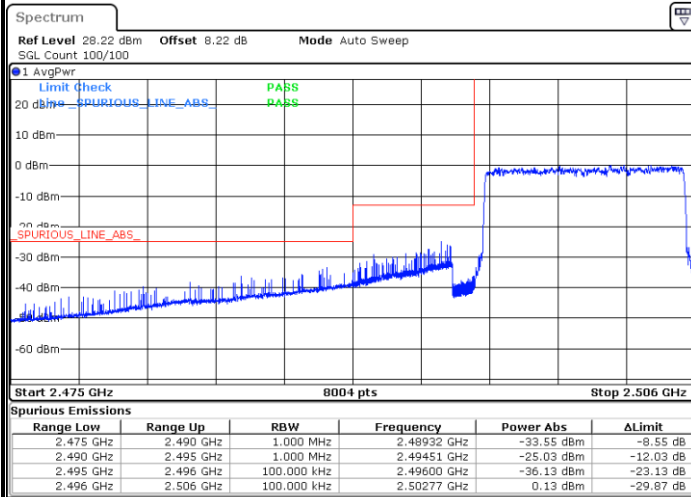
## Lowest Band Edge / 1RB



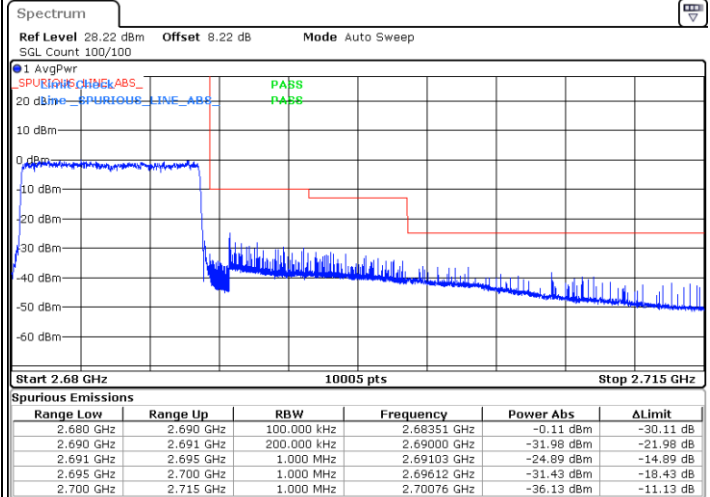
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



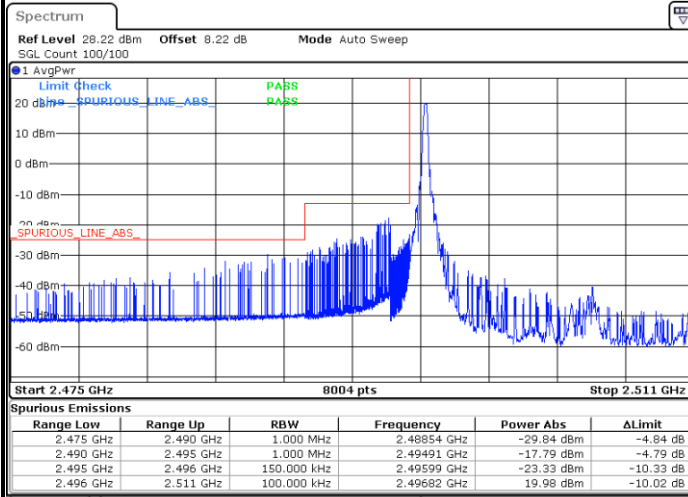
## Highest Band Edge / Full RB



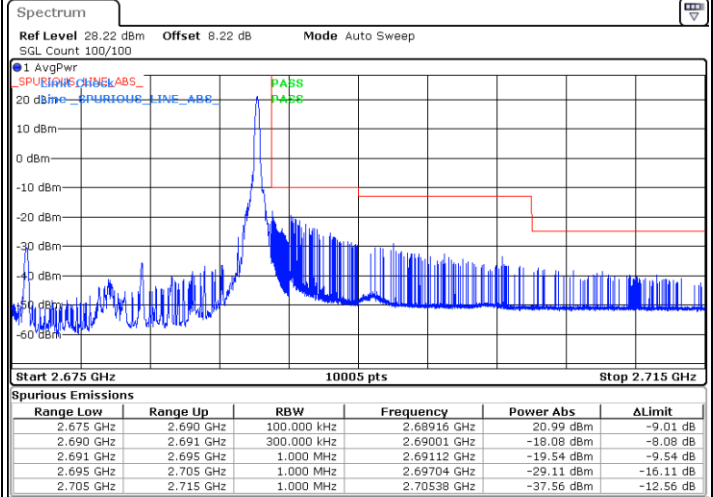


## LTE Band 41 / 15MHz / QPSK

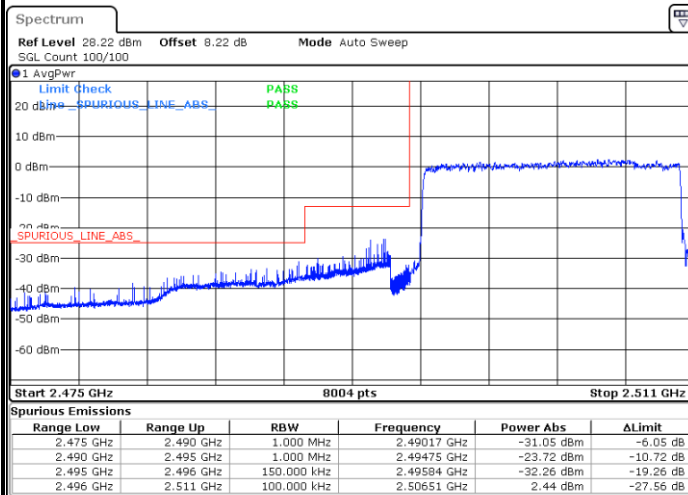
## Lowest Band Edge / 1 RB



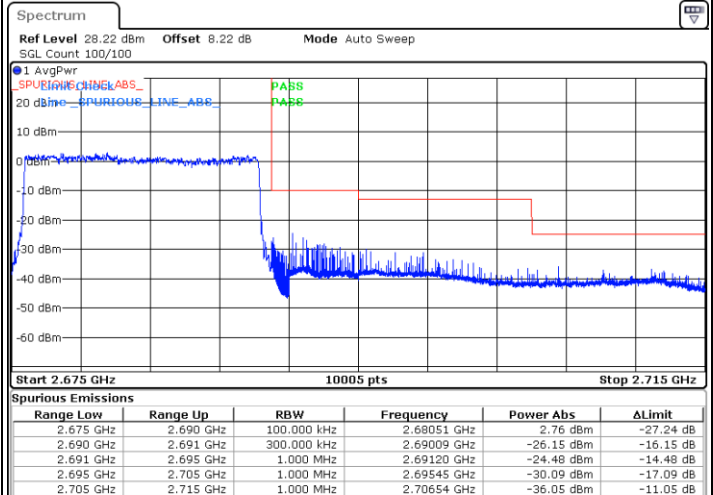
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



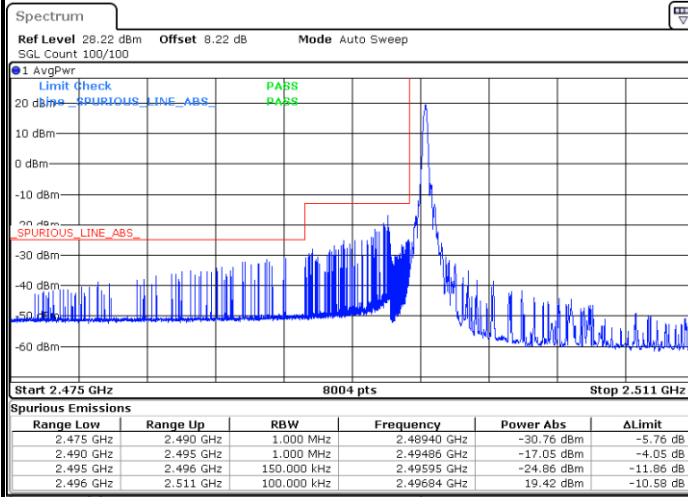
## Highest Band Edge / Full RB



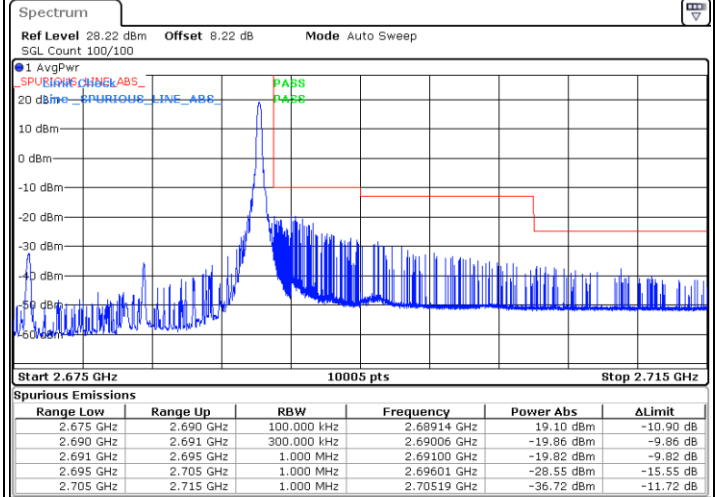


## LTE Band 41 / 15MHz / 16QAM

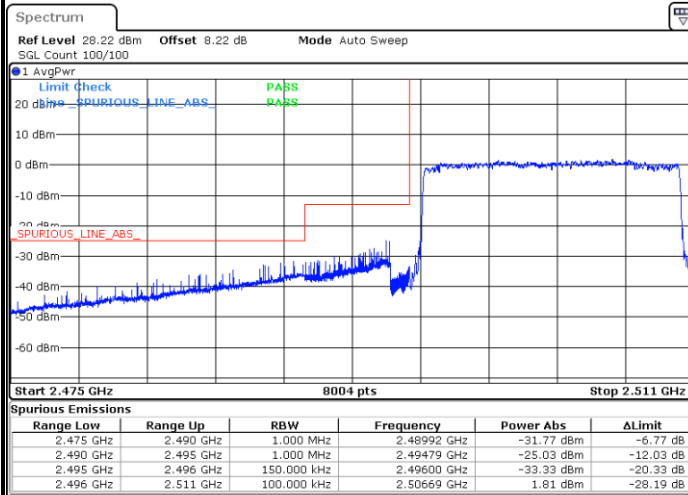
## Lowest Band Edge / 1 RB



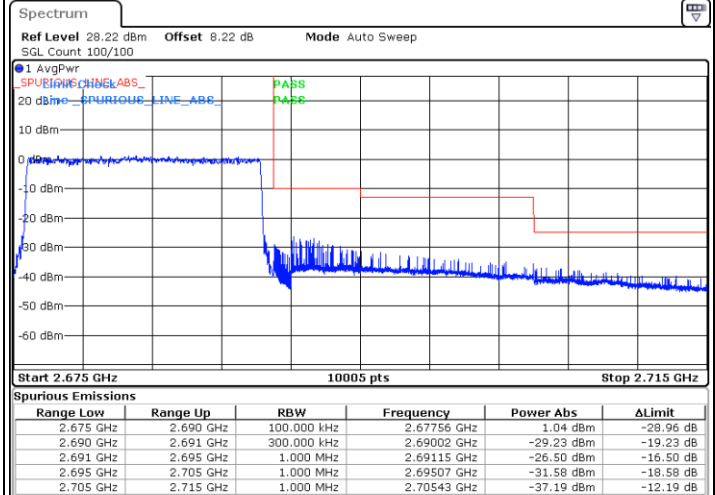
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



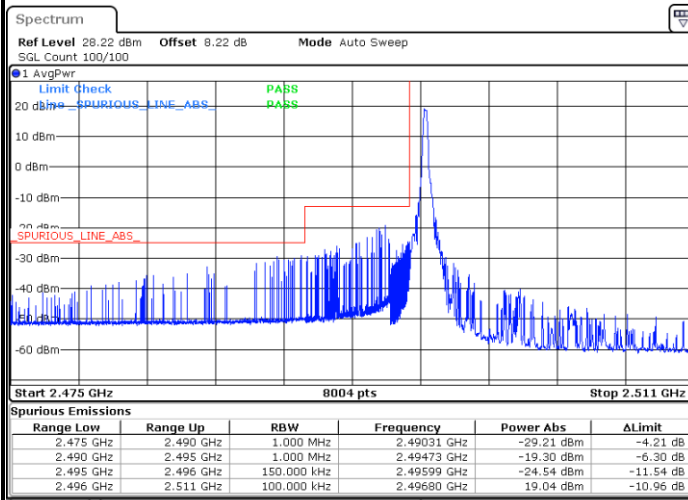
## Highest Band Edge / Full RB



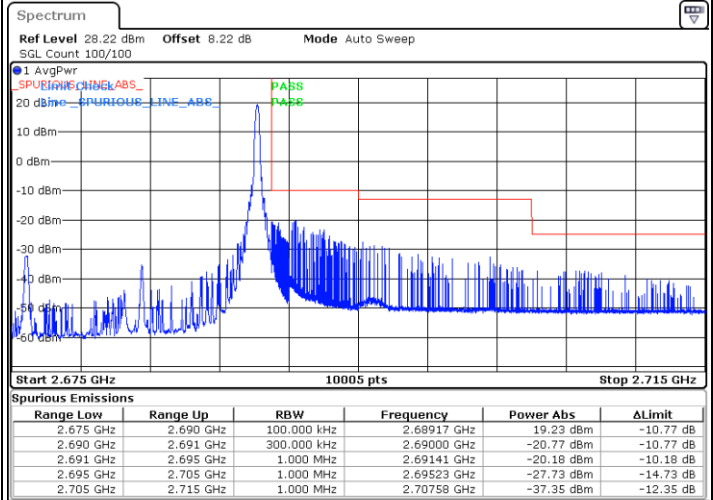


## LTE Band 41 / 15MHz / 64QAM

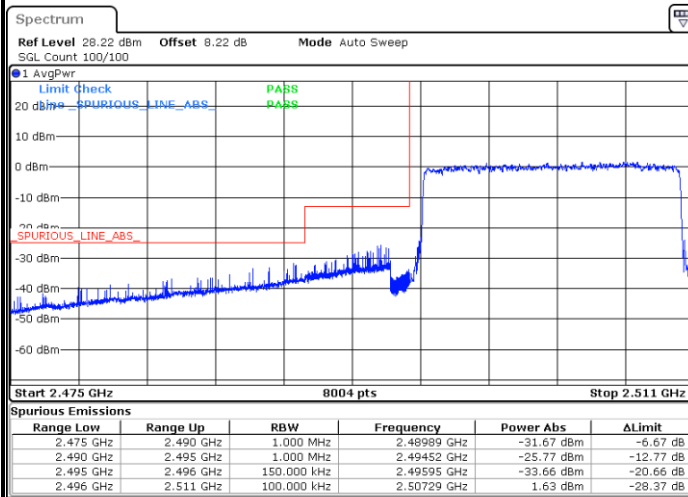
## Lowest Band Edge / 1 RB



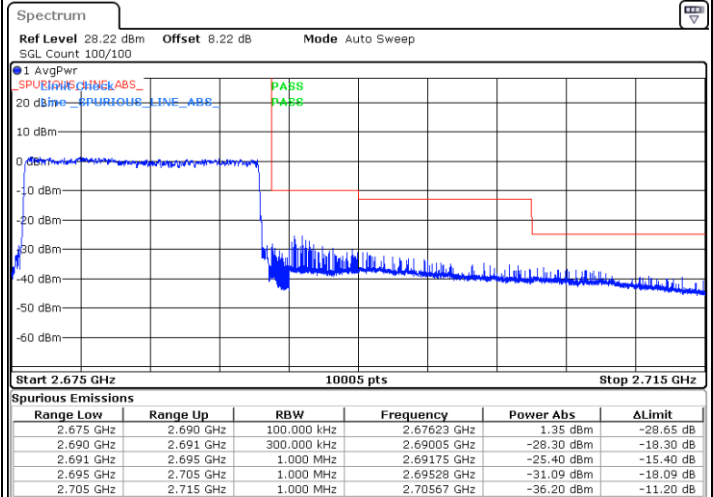
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



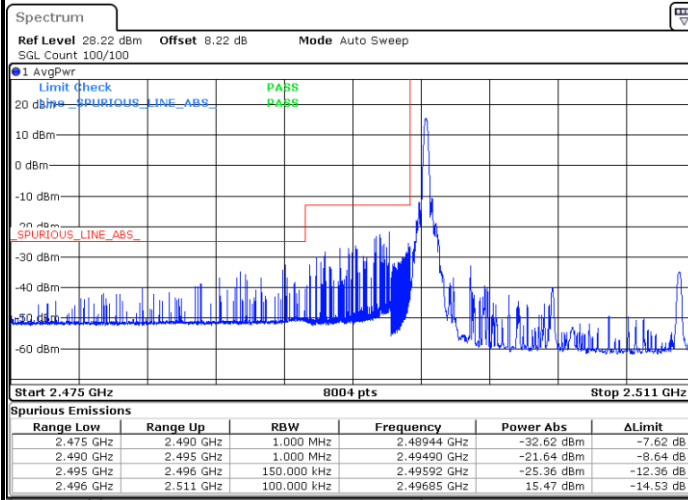
## Highest Band Edge / Full RB





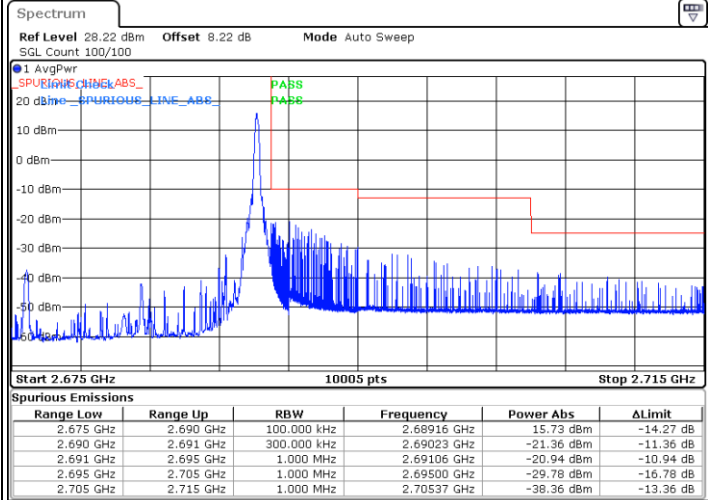
## LTE Band 41 / 15MHz / 256QAM

## Lowest Band Edge / 1RB



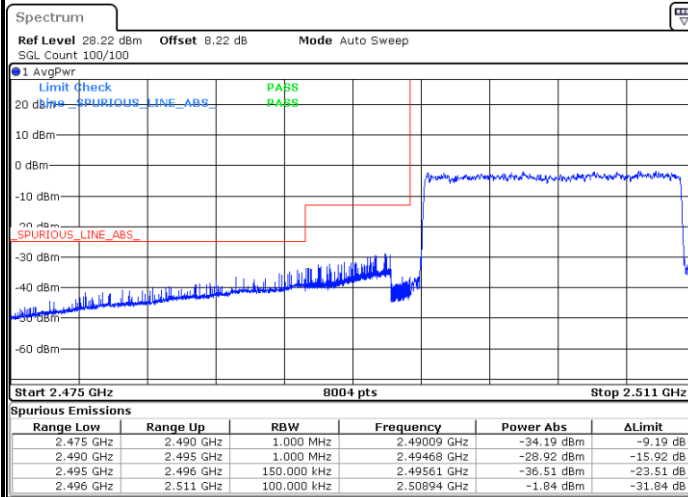
Date: 21.FEB.2023 00:11:53

## Highest Band Edge / 1 RB



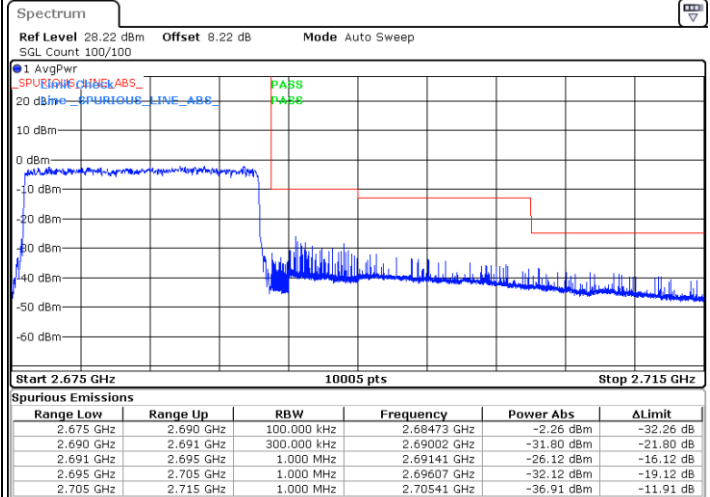
Date: 21.FEB.2023 00:14:24

## Lowest Band Edge / Full RB



Date: 21.FEB.2023 00:13:31

## Highest Band Edge / Full RB

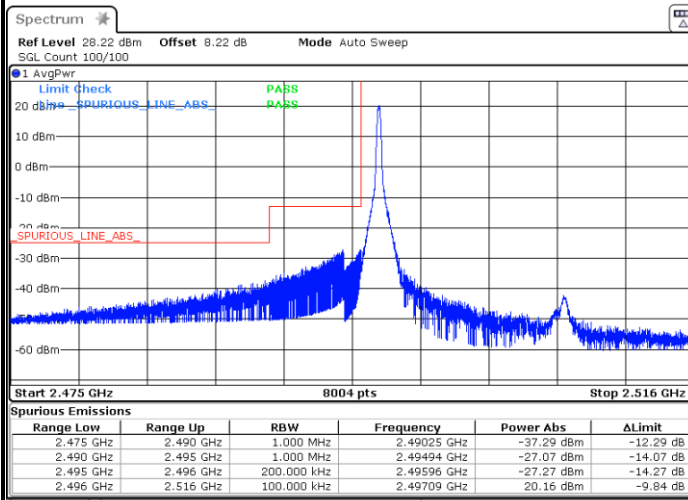


Date: 21.FEB.2023 00:15:16

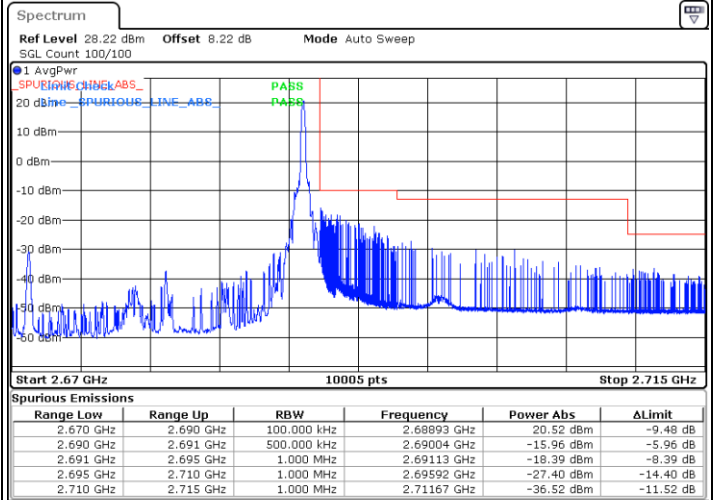


## LTE Band 41 / 20MHz / QPSK

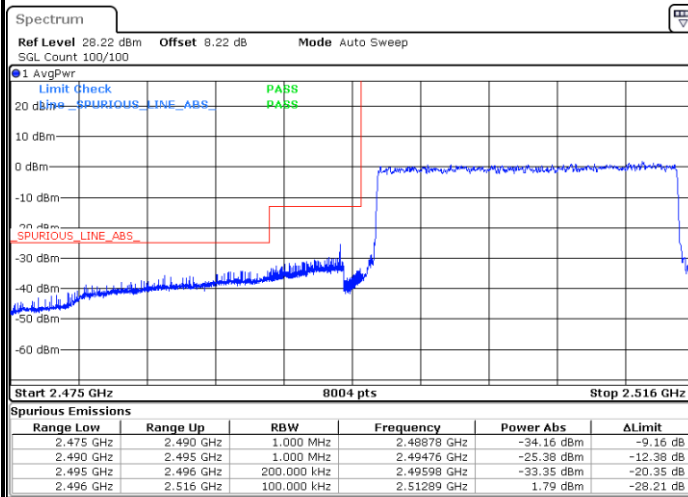
## Lowest Band Edge / 1 RB



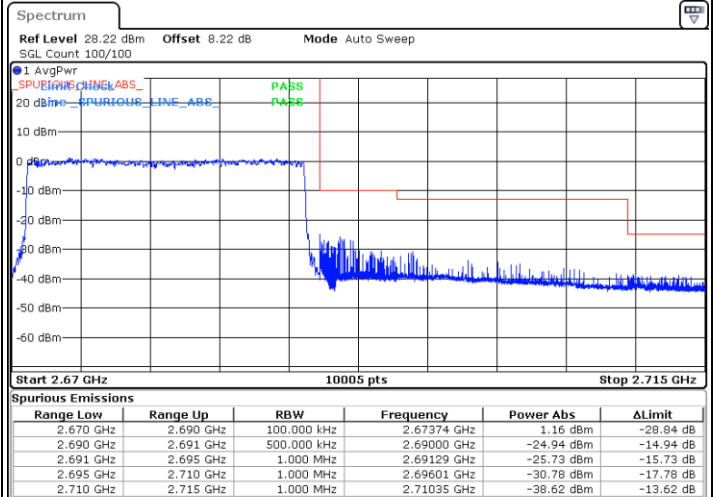
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



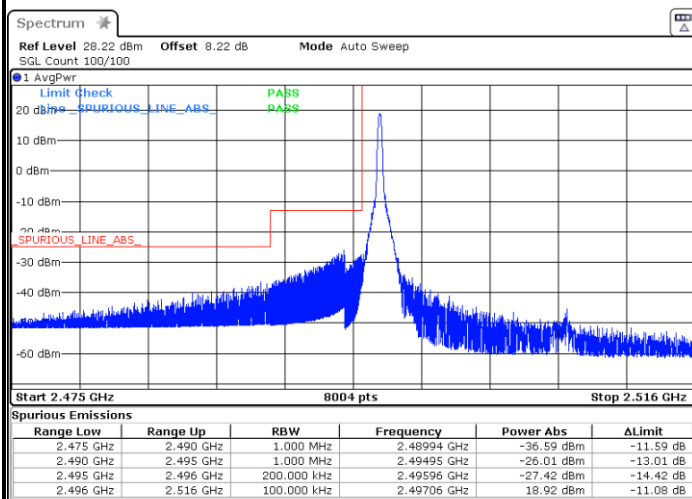
## Highest Band Edge / Full RB



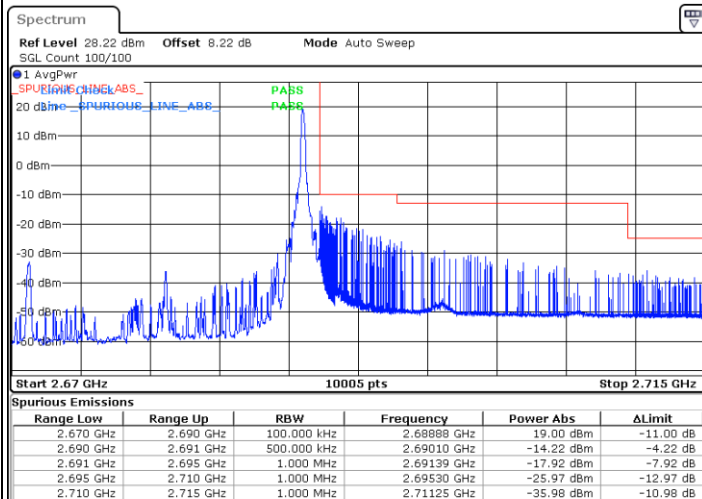


## LTE Band 41 / 20MHz / 16QAM

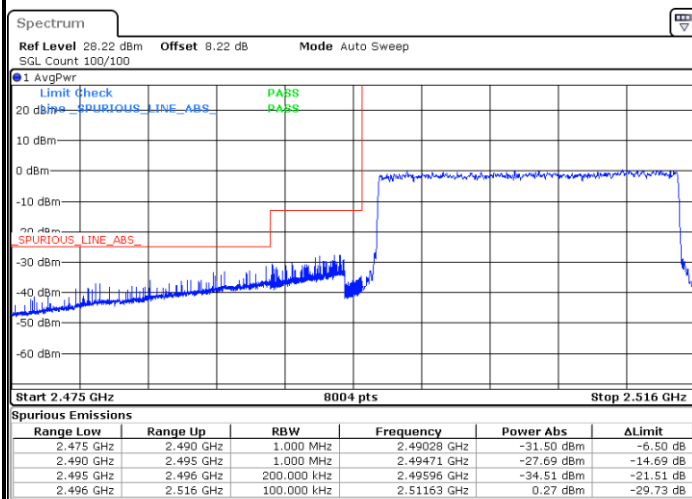
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

