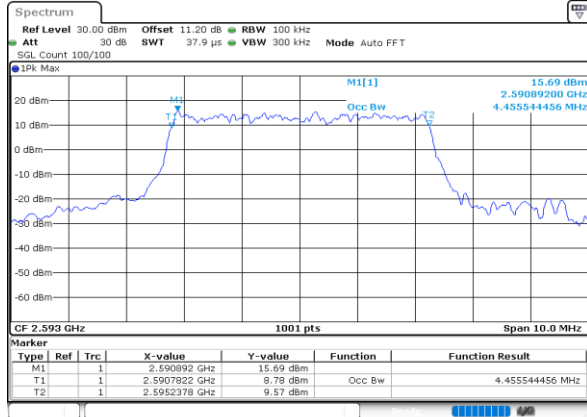


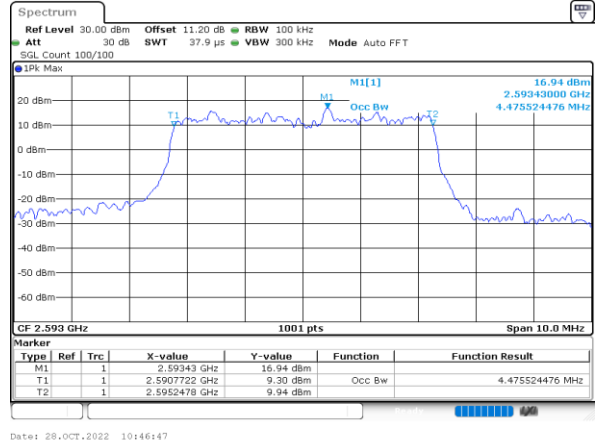


## LTE Band 41 (HPUE)

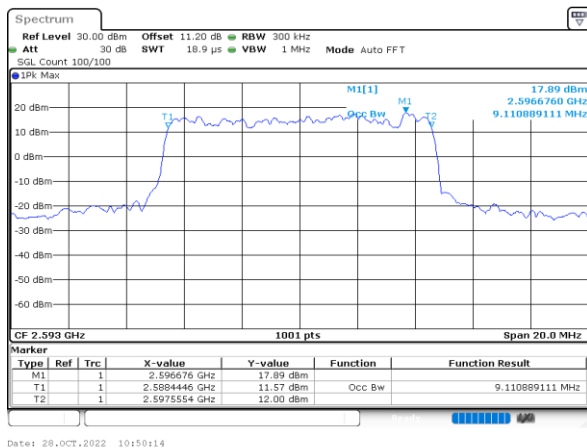
## Middle Channel / 5MHz / QPSK



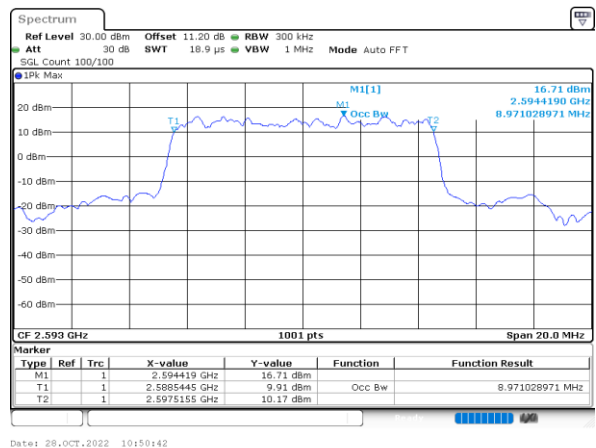
## Middle Channel / 5MHz / 16QAM



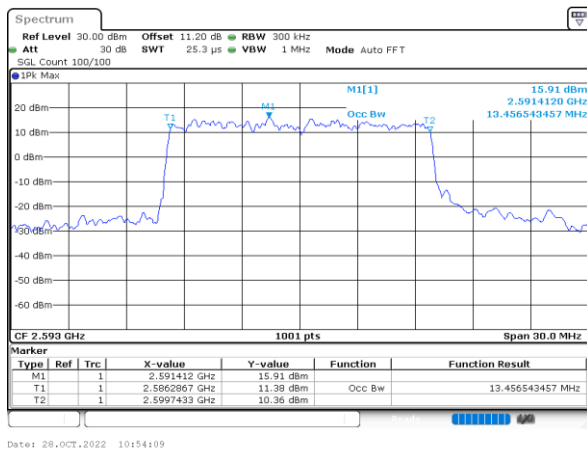
## Middle Channel / 10MHz / QPSK



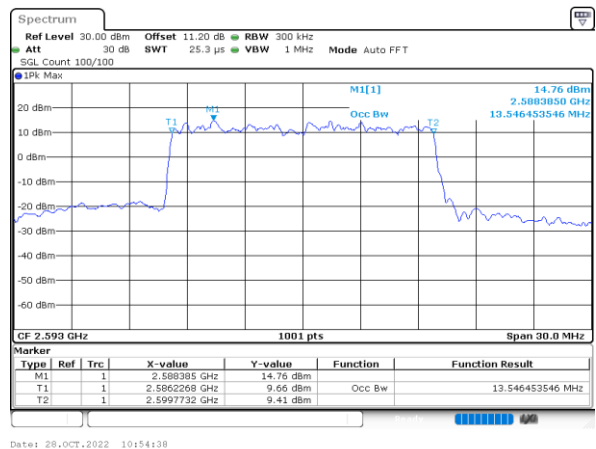
## Middle Channel / 10MHz / 16QAM



## Middle Channel / 15MHz / QPSK



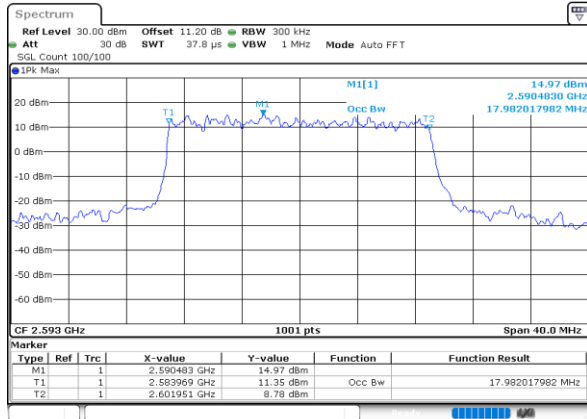
## Middle Channel / 15MHz / 16QAM



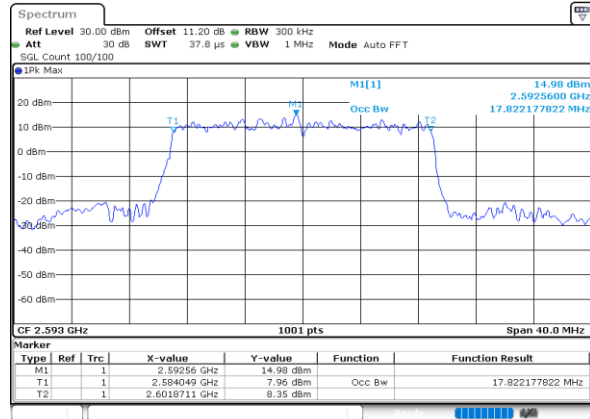


## LTE Band 41 (HPUE)

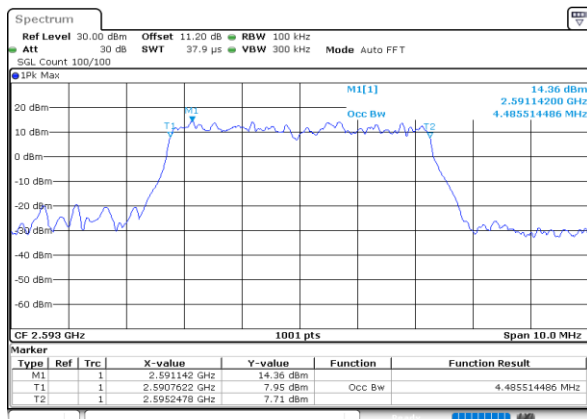
## Middle Channel / 20MHz / QPSK



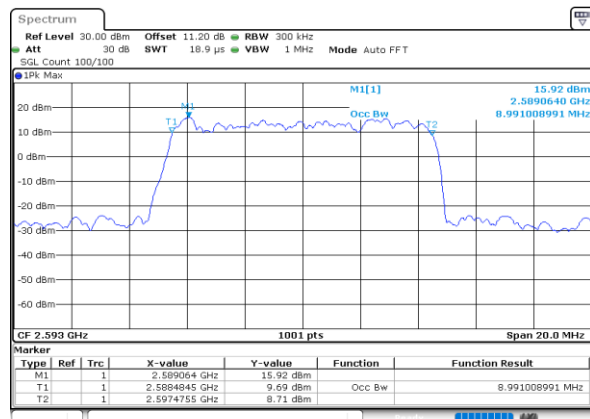
## Middle Channel / 20MHz / 16QAM



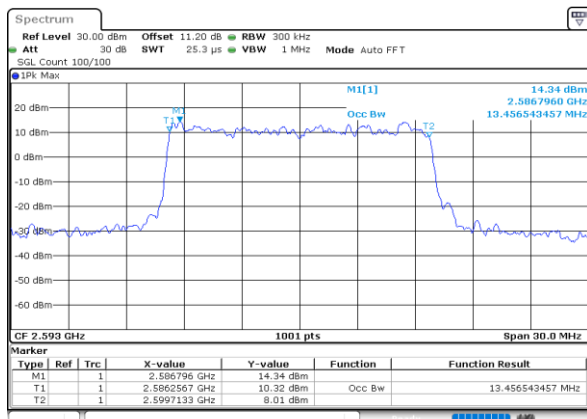
## Middle Channel / 5MHz / 64QAM



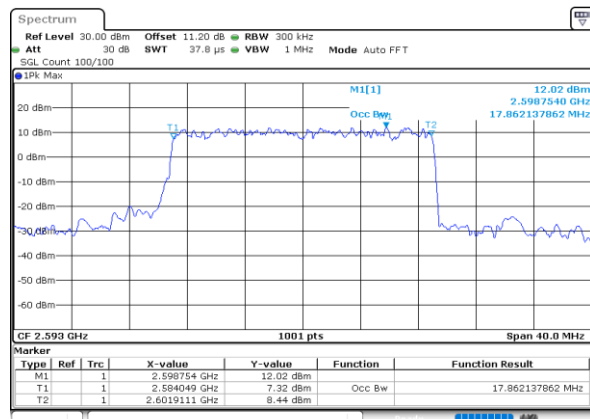
## Middle Channel / 10MHz / 64QAM



## Middle Channel / 15MHz / 64QAM



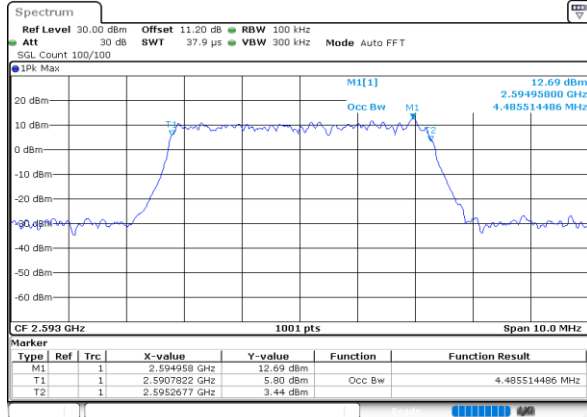
## Middle Channel / 20MHz / 64QAM



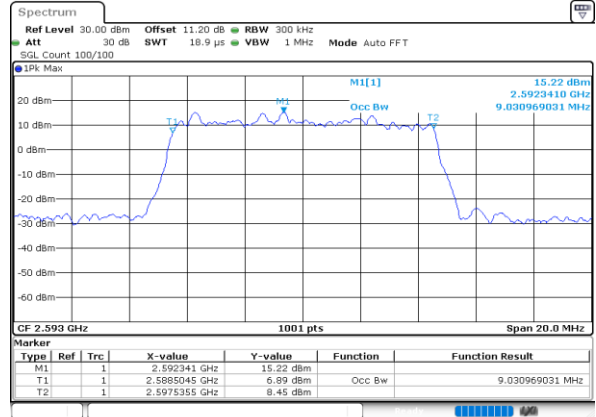


## LTE Band 41 (HPUE)

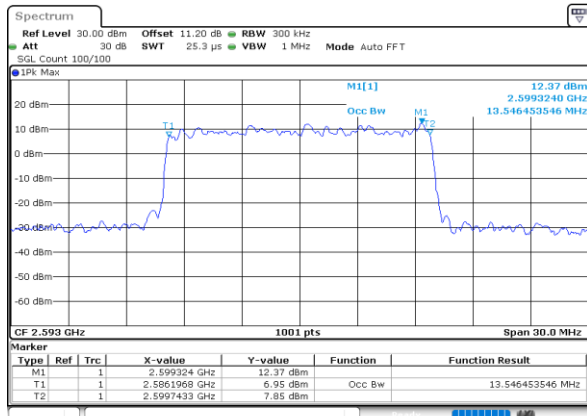
## Middle Channel / 5MHz / 256QAM



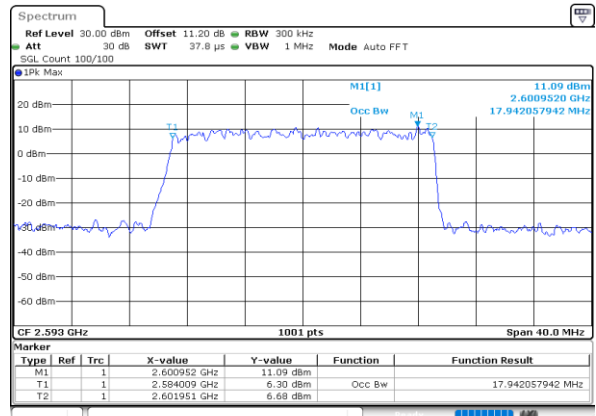
## Middle Channel / 10MHz / 256QAM

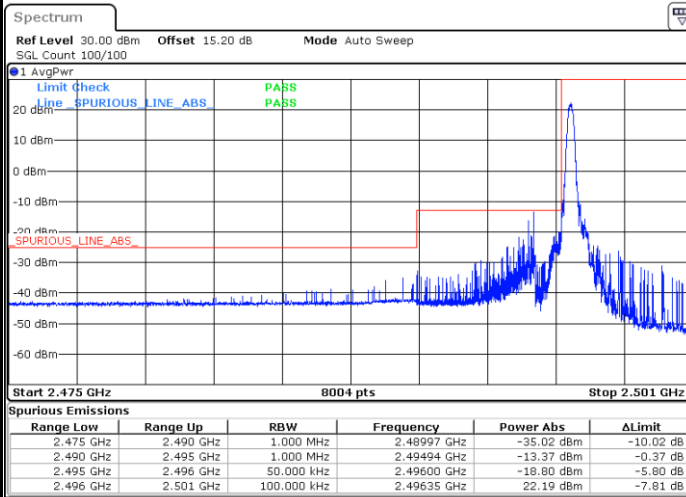
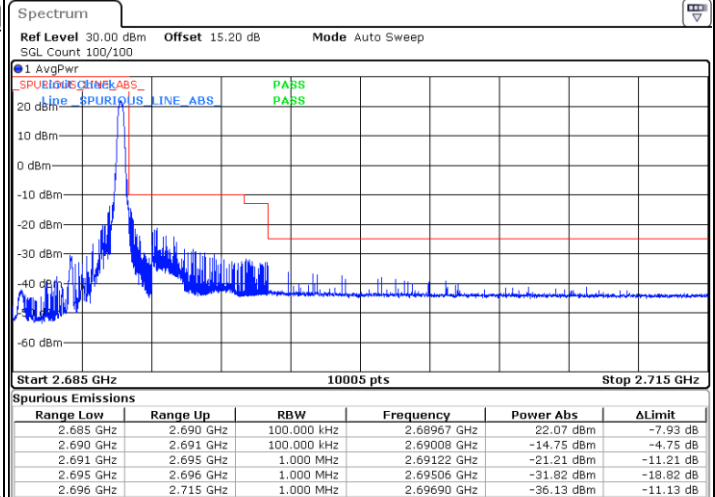
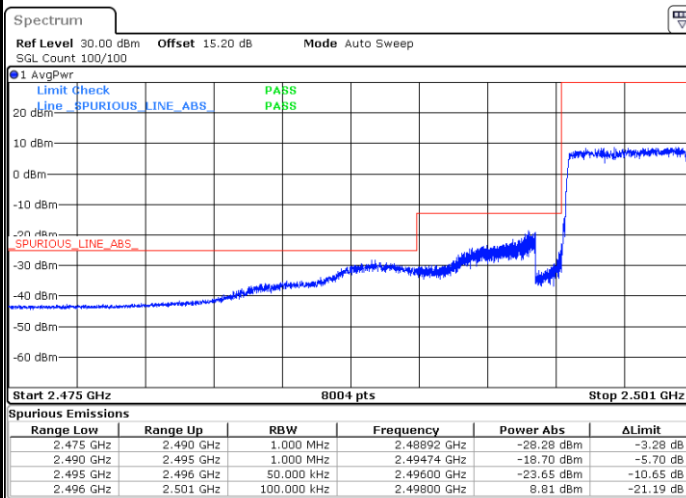
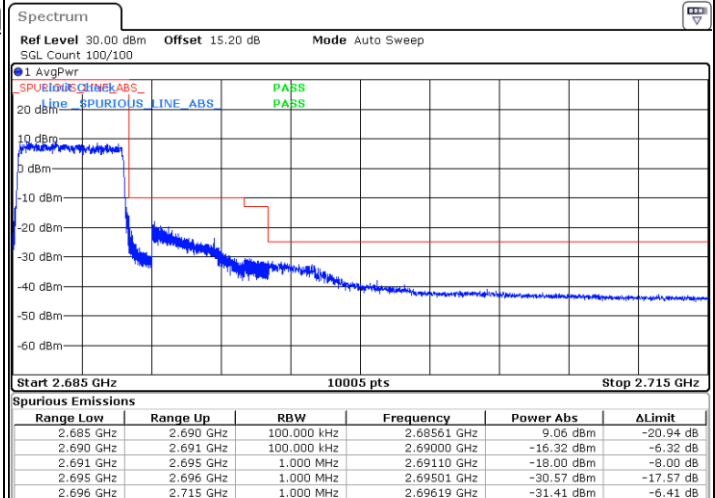


## Middle Channel / 15MHz / 256QAM



## Middle Channel / 20MHz / 256QAM

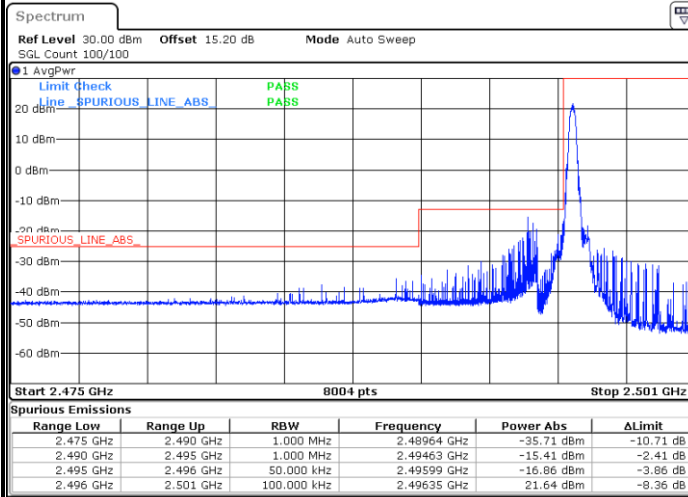


**Conducted Band Edge****LTE Band 41 (HPUE) / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

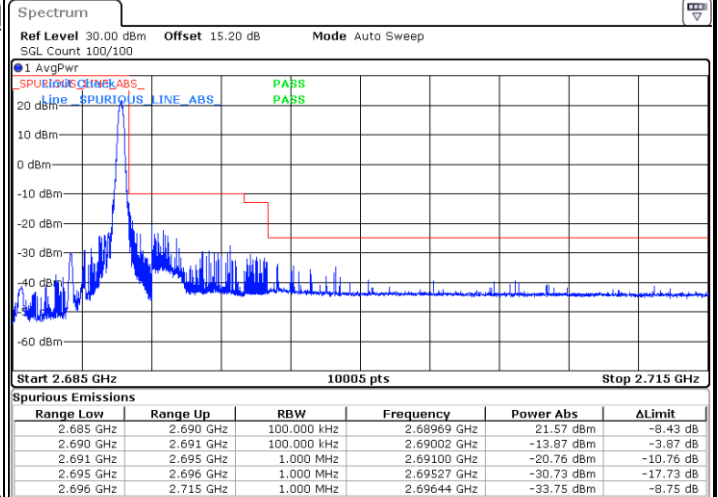


## LTE Band 41 (HPUE) / 5MHz / 16QAM

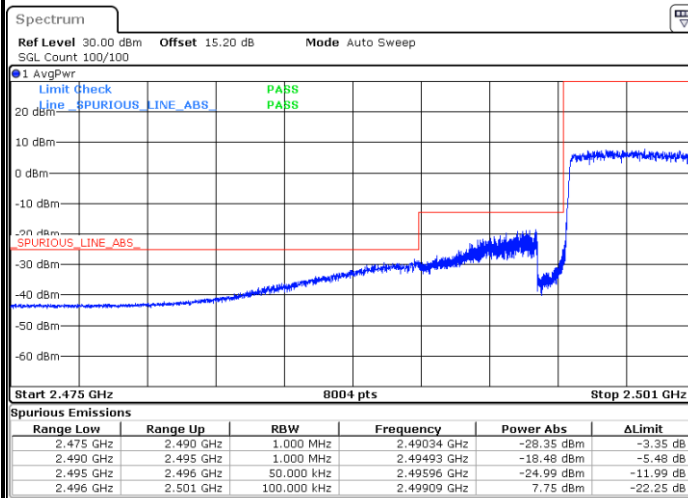
## Lowest Band Edge / 1RB



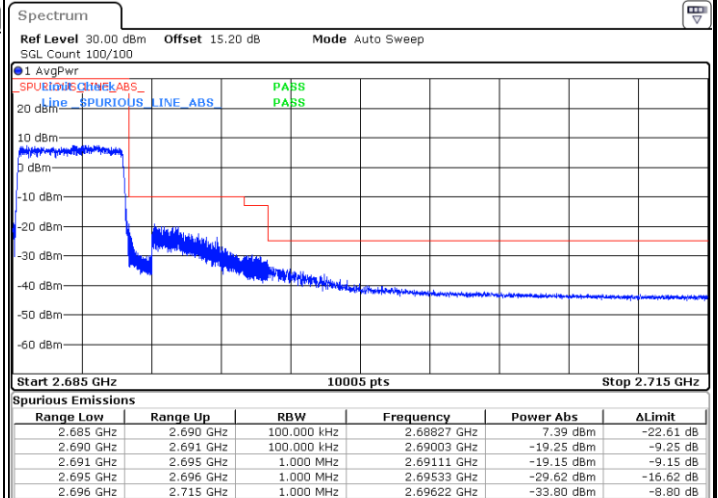
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



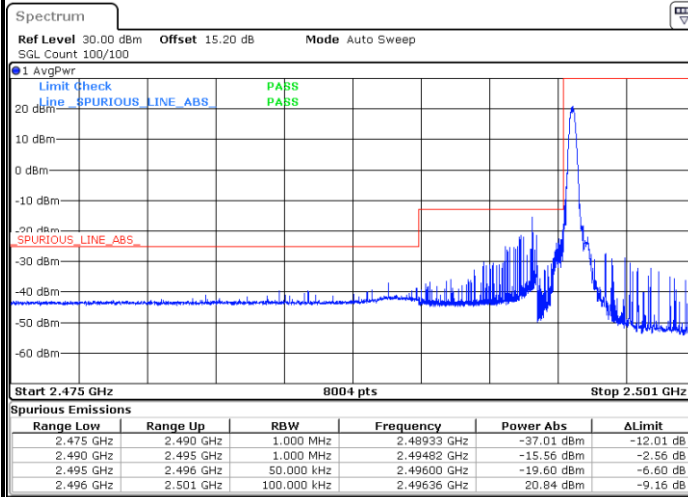
## Highest Band Edge / Full RB



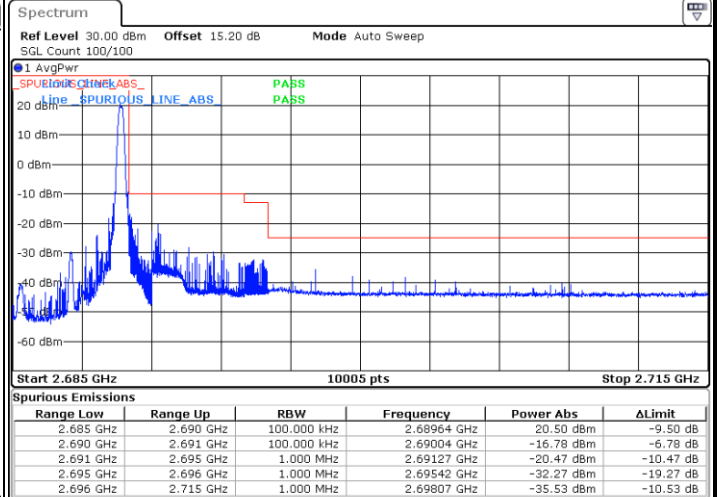


## LTE Band 41 (HPUE) / 5MHz / 64QAM

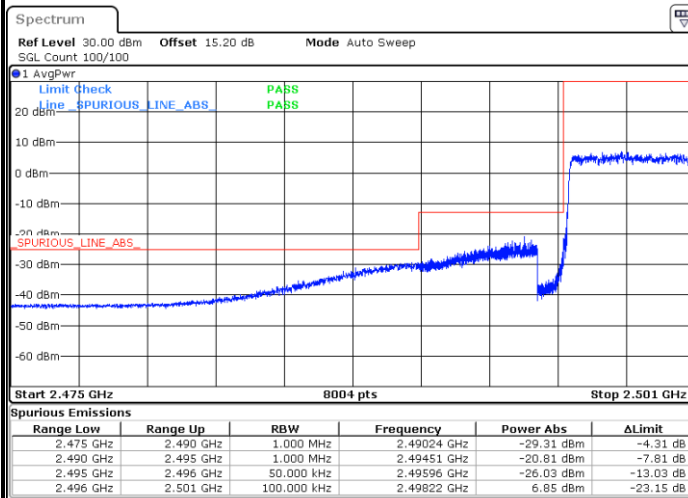
## Lowest Band Edge / 1RB



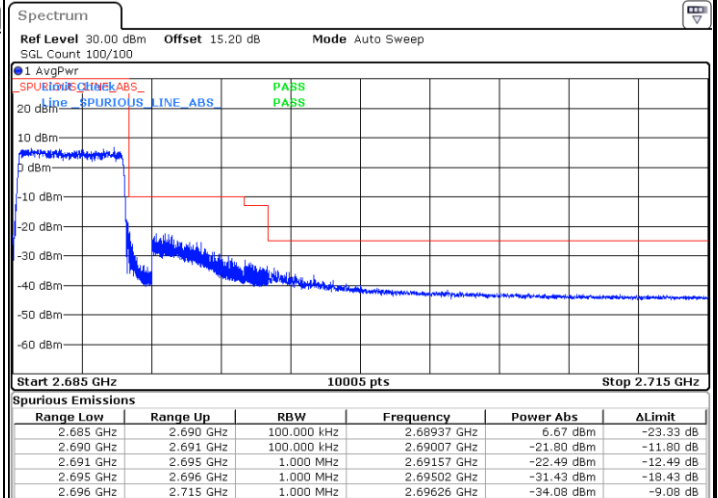
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



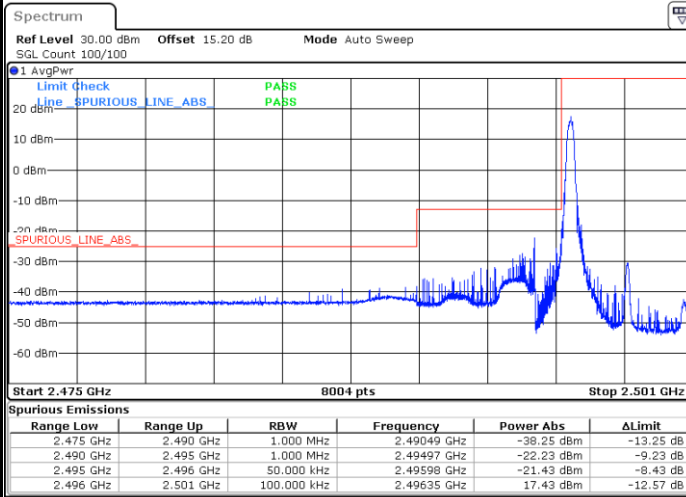
## Highest Band Edge / Full RB





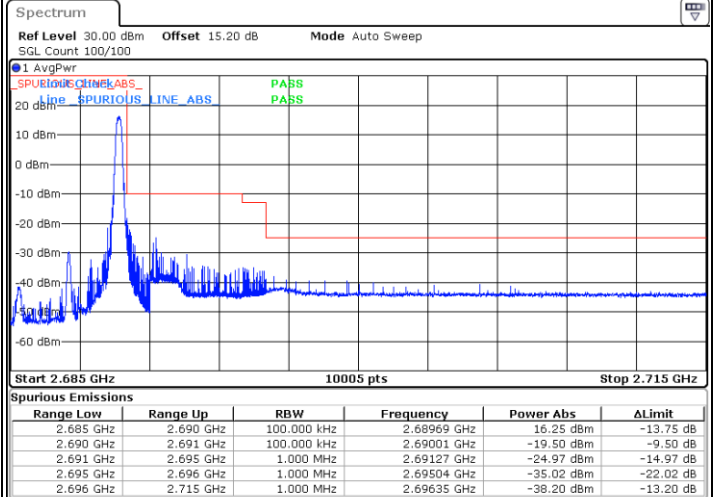
## LTE Band 41 (HPUE) / 5MHz / 256QAM

## Lowest Band Edge / 1RB



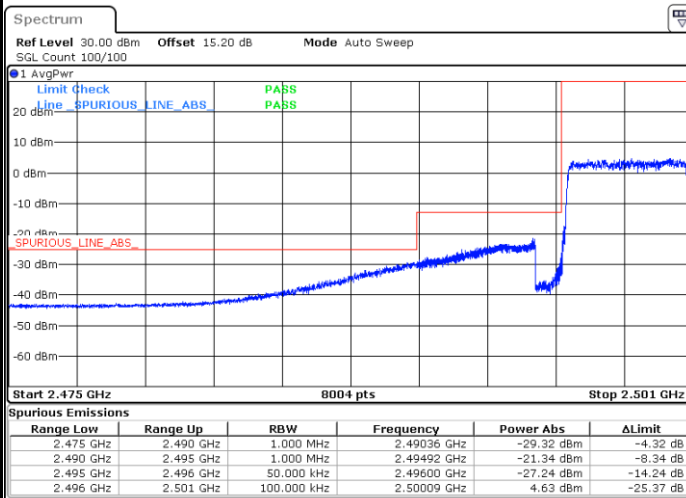
Date: 27.OCT.2022 17:54:28

## Highest Band Edge / 1 RB



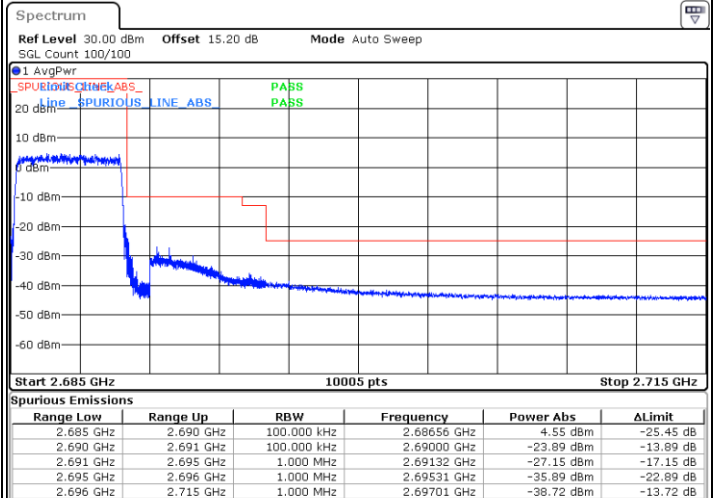
Date: 27.OCT.2022 23:18:03

## Lowest Band Edge / Full RB



Date: 27.OCT.2022 18:02:20

## Highest Band Edge / Full RB

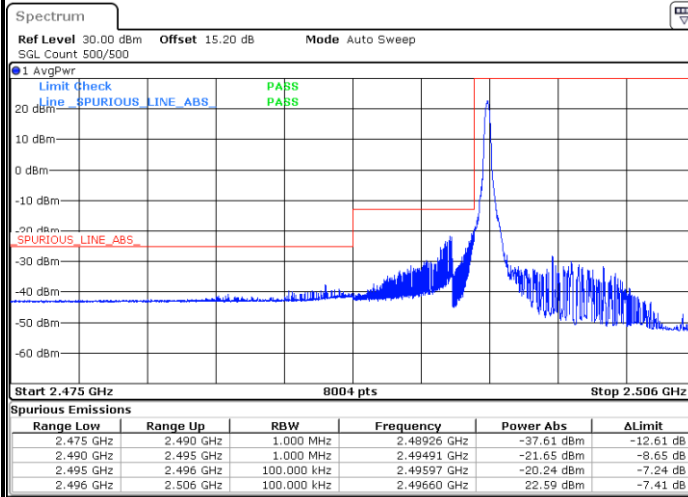


Date: 27.OCT.2022 23:21:59

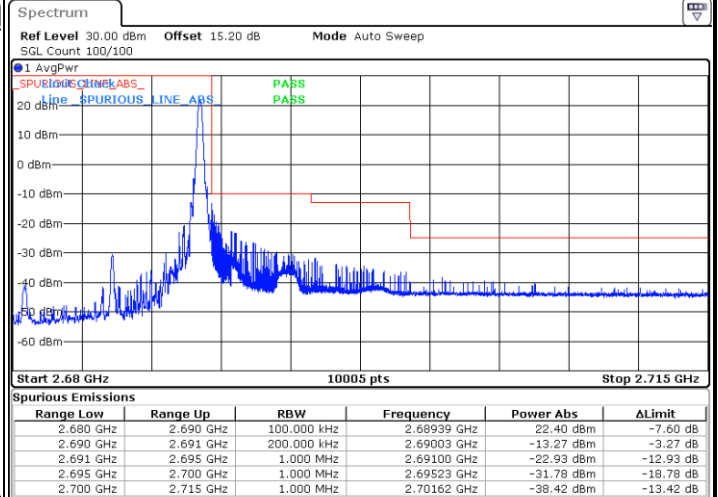


## LTE Band 41 (HPUE) / 10MHz / QPSK

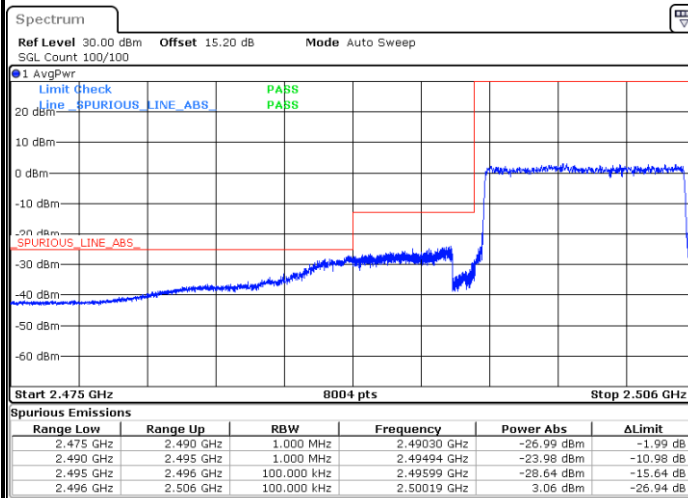
## Lowest Band Edge / 1 RB



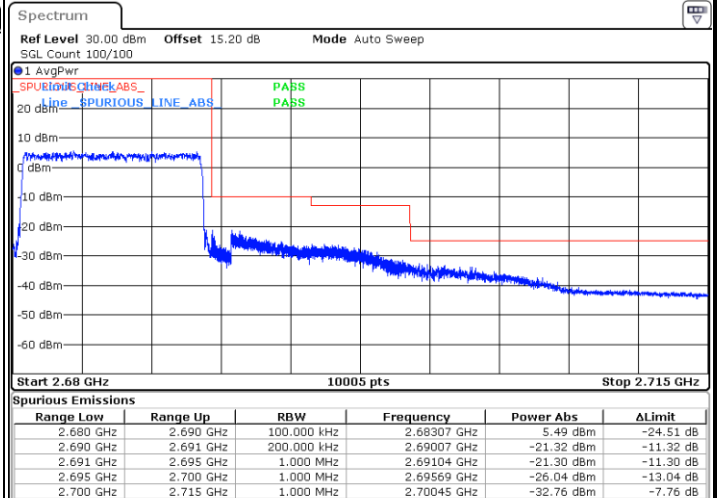
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



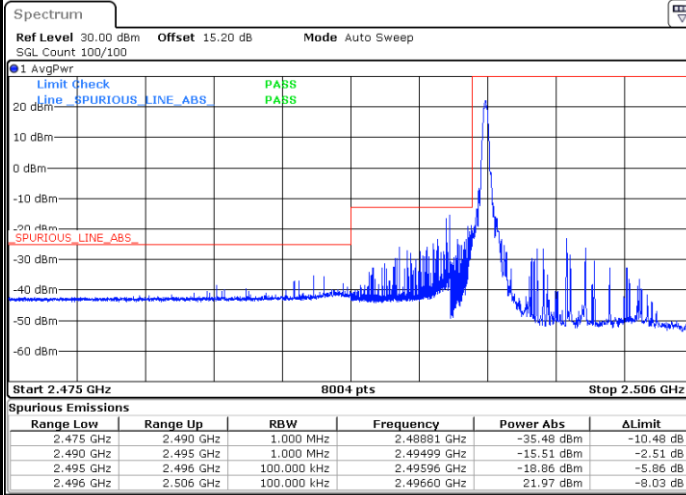
## Highest Band Edge / Full RB



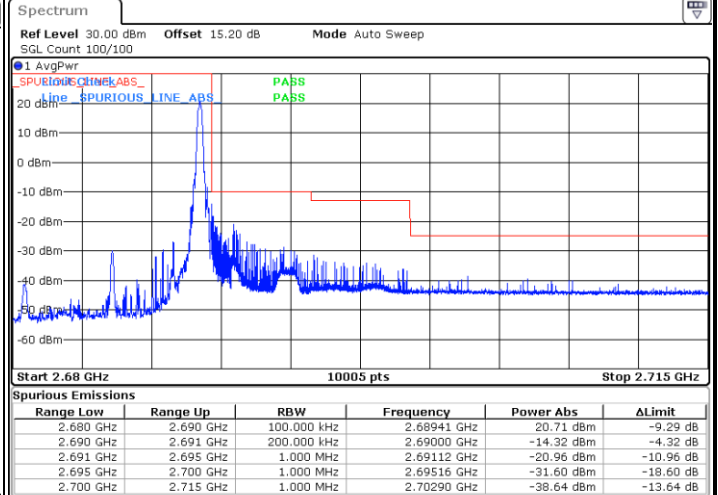


## LTE Band 41 (HPUE) / 10MHz / 16QAM

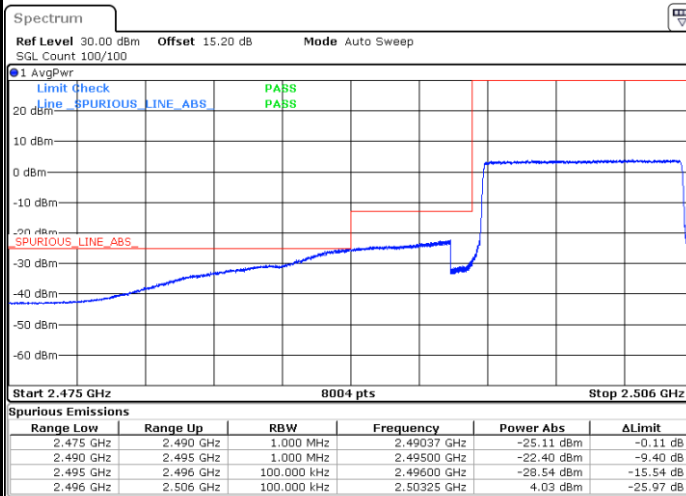
## Lowest Band Edge / 1 RB



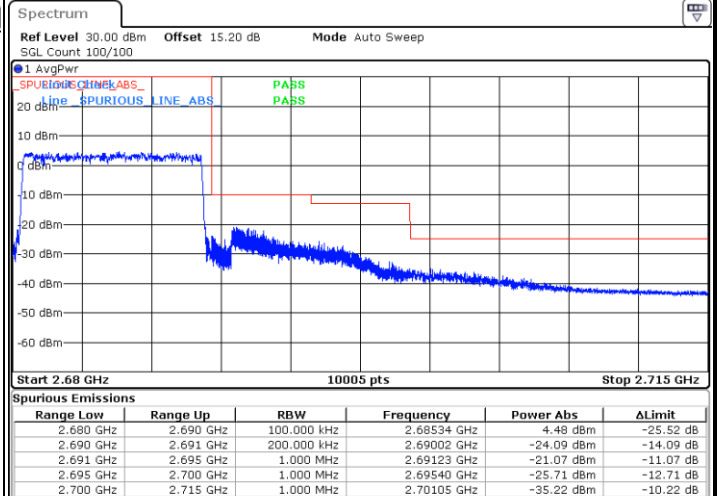
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



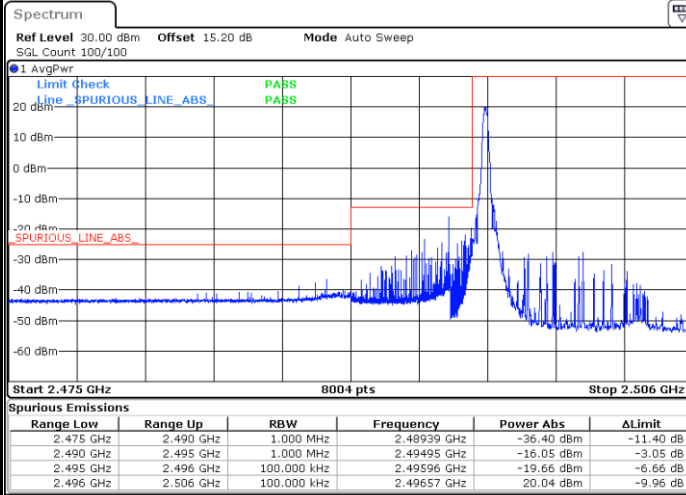
## Highest Band Edge / Full RB



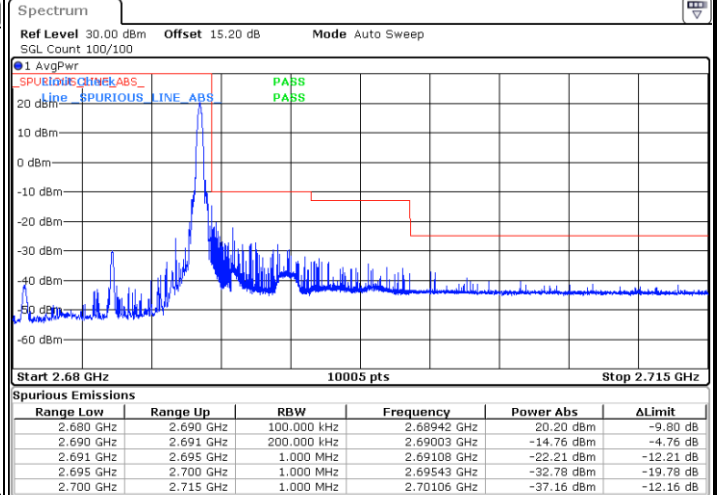


## LTE Band 41 (HPUE) / 10MHz / 64QAM

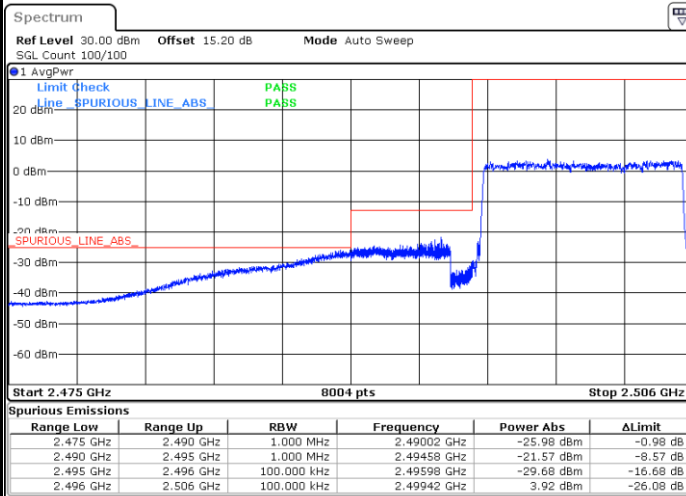
## Lowest Band Edge / 1 RB



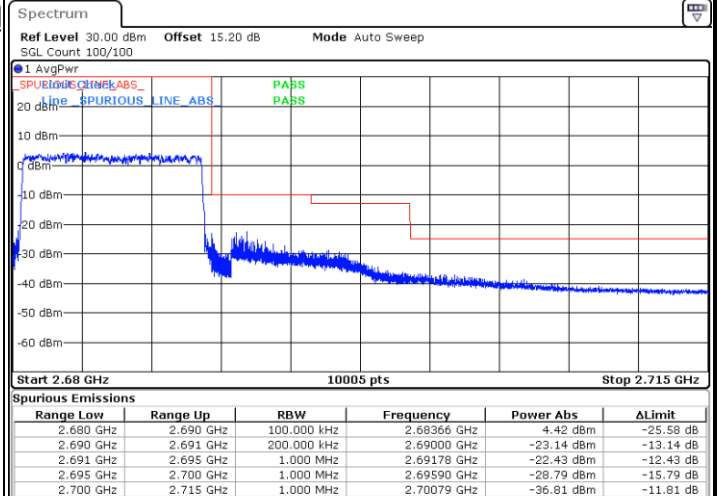
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



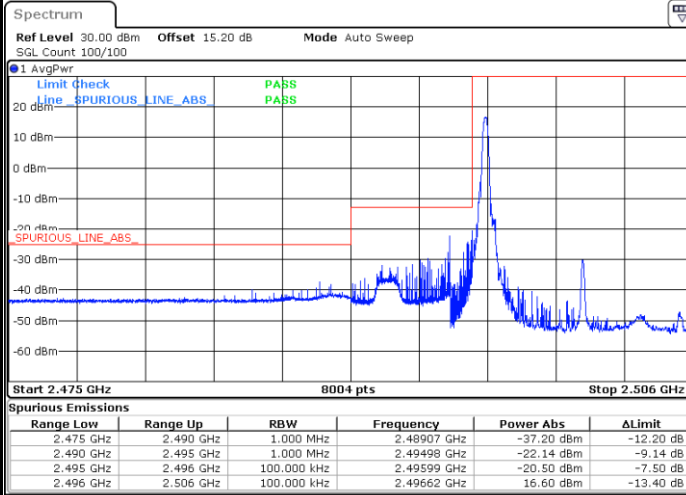
## Highest Band Edge / Full RB



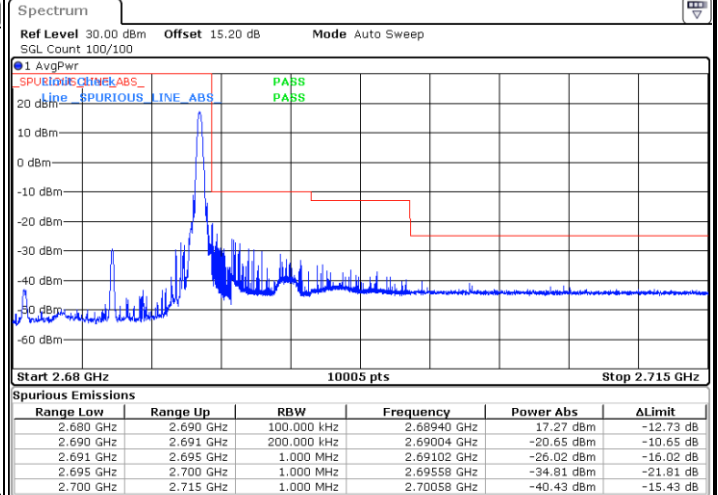


## LTE Band 41 (HPUE) / 10MHz / 256QAM

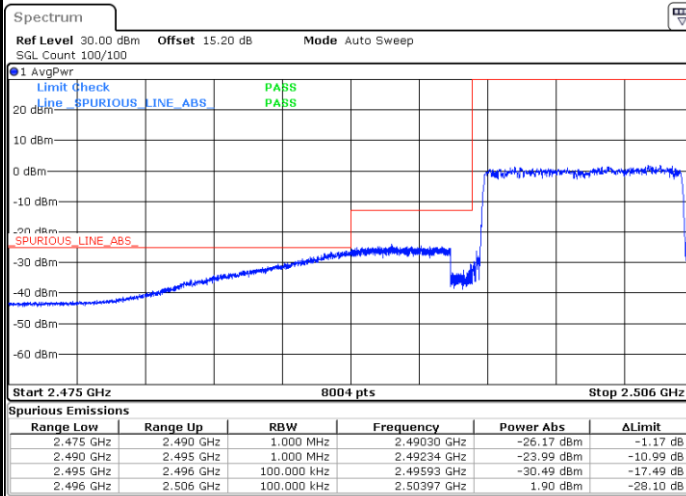
## Lowest Band Edge / 1 RB



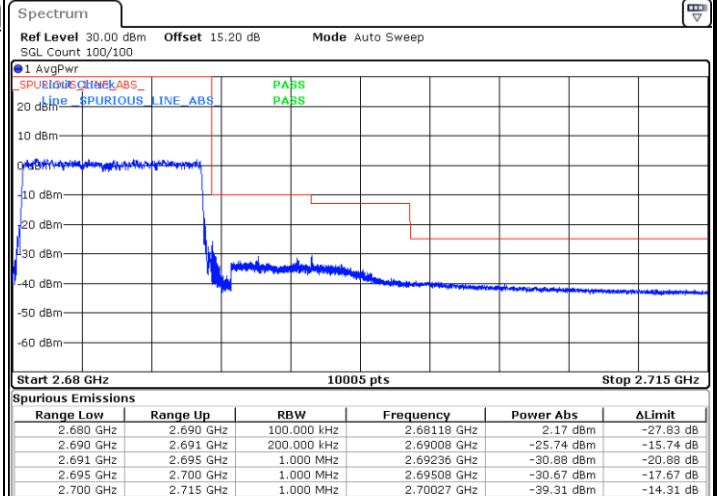
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



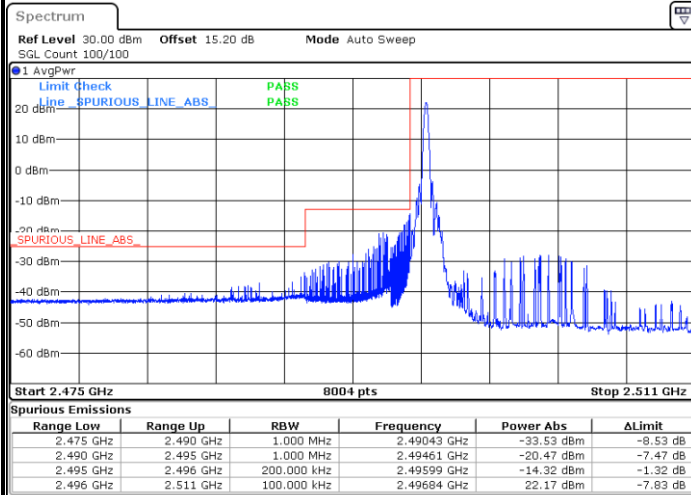
## Highest Band Edge / Full RB



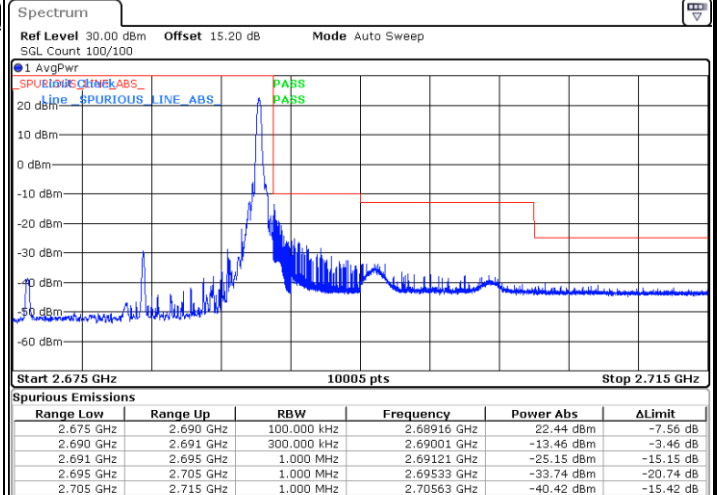


## LTE Band 41 (HPUE) / 15MHz / QPSK

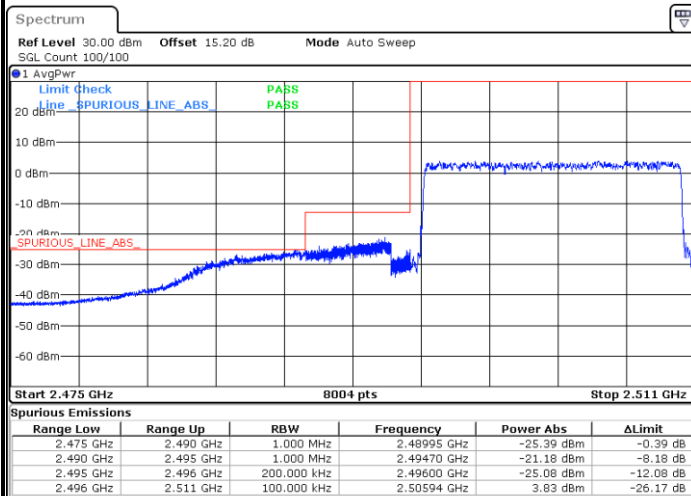
## Lowest Band Edge / 1 RB



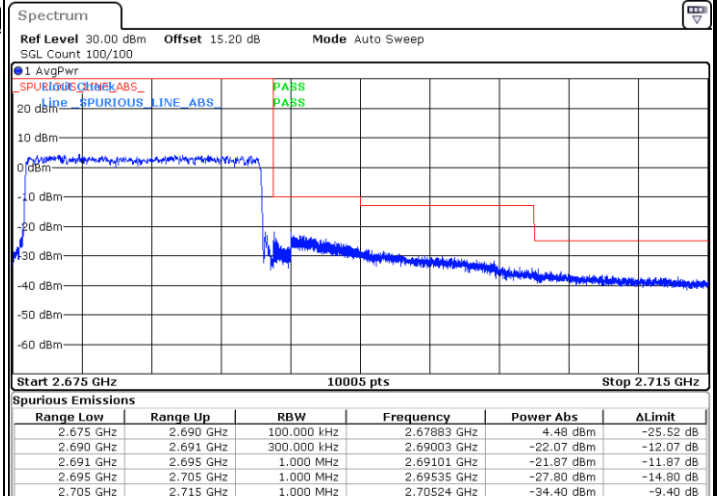
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



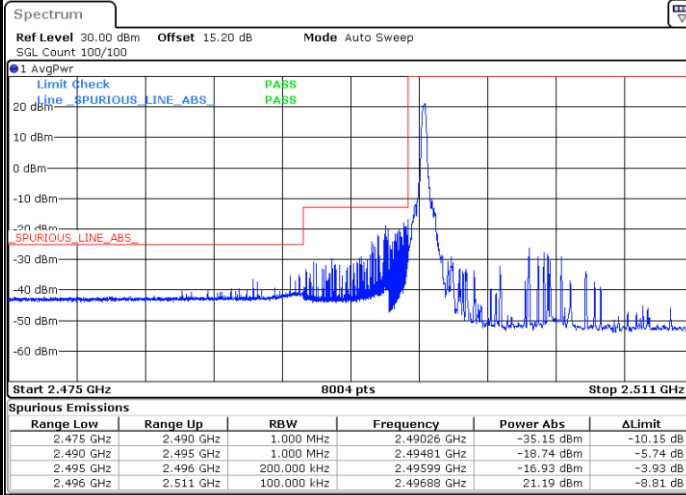
## Highest Band Edge / Full RB



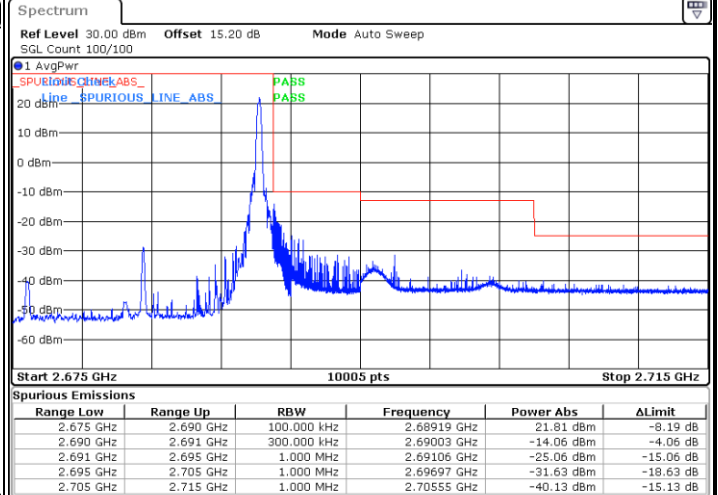


## LTE Band 41 (HPUE) / 15MHz / 16QAM

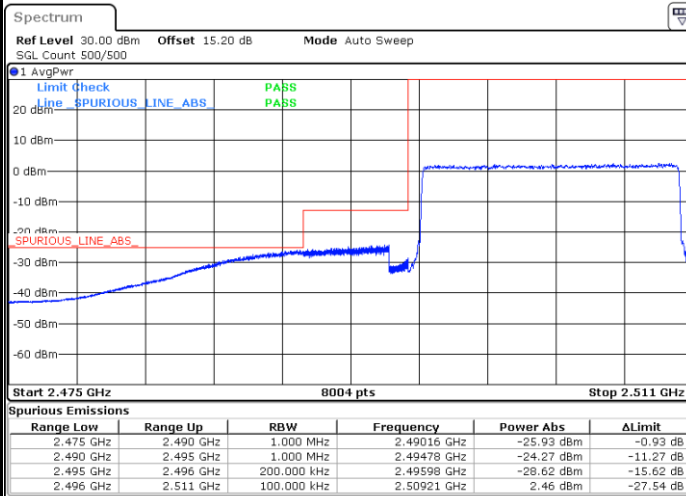
## Lowest Band Edge / 1 RB



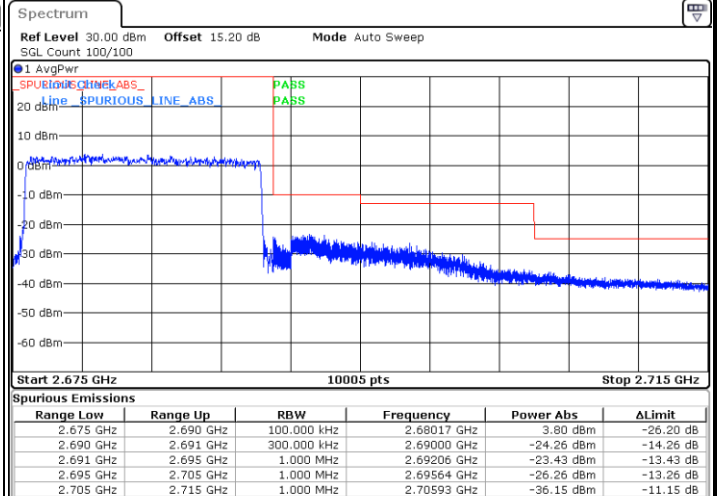
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



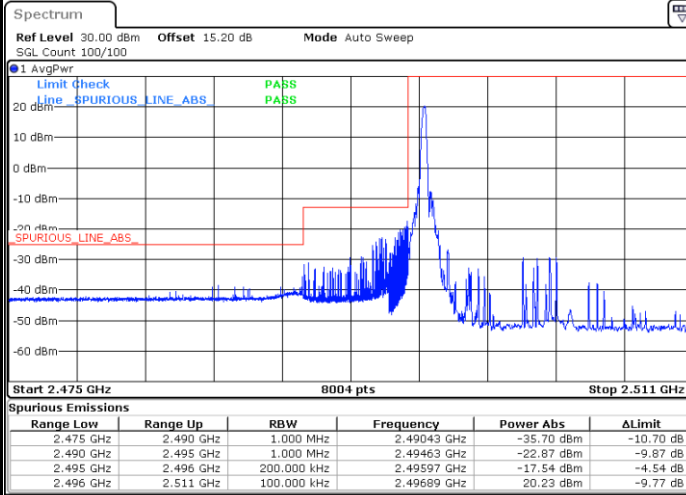
## Highest Band Edge / Full RB





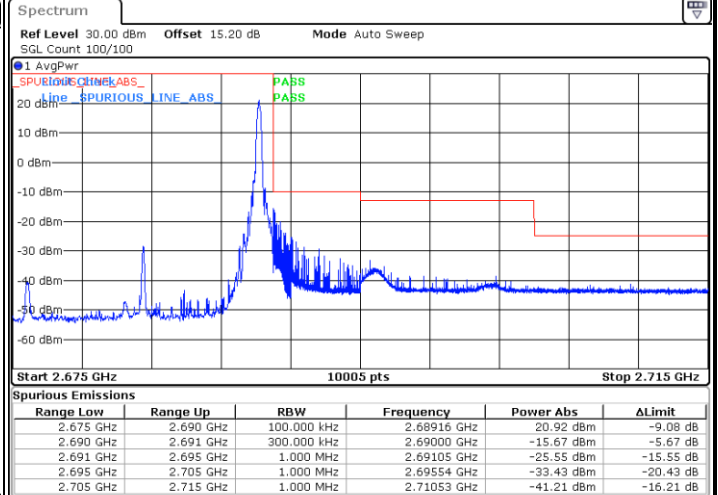
## LTE Band 41 (HPUE) / 15MHz / 64QAM

## Lowest Band Edge / 1 RB



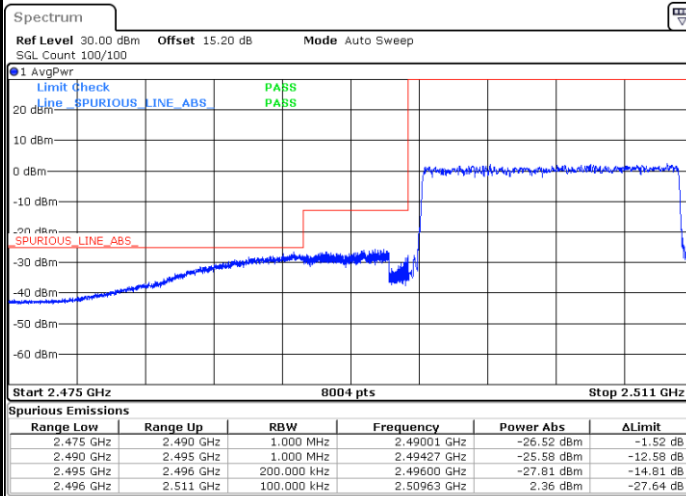
Date: 28.OCT.2022 08:59:50

## Highest Band Edge / 1 RB



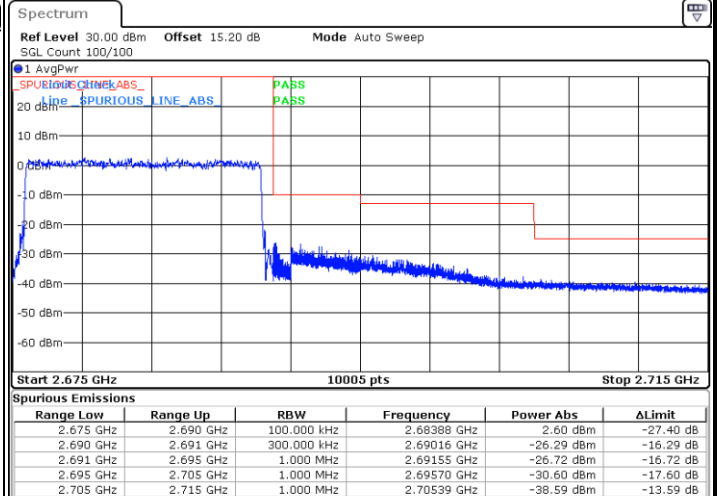
Date: 28.OCT.2022 10:11:06

## Lowest Band Edge / Full RB



Date: 28.OCT.2022 09:07:44

## Highest Band Edge / Full RB

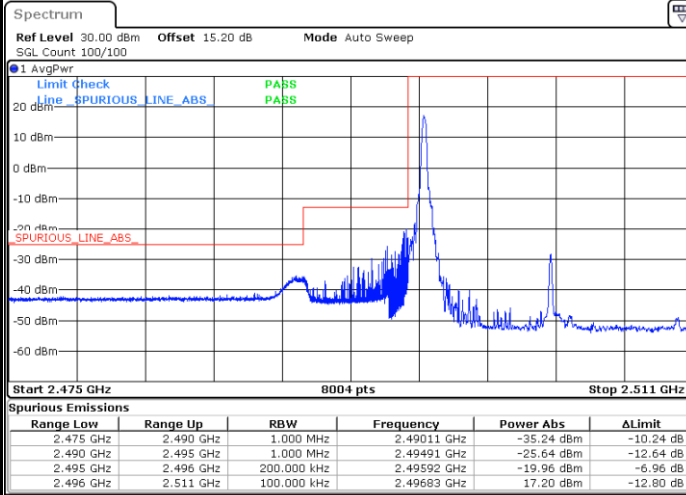


Date: 28.OCT.2022 10:15:03



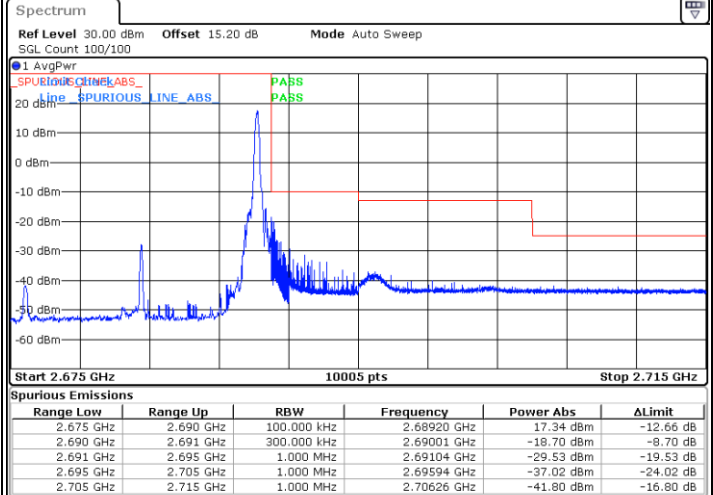
## LTE Band 41 (HPUE) / 15MHz / 256QAM

## Lowest Band Edge / 1 RB



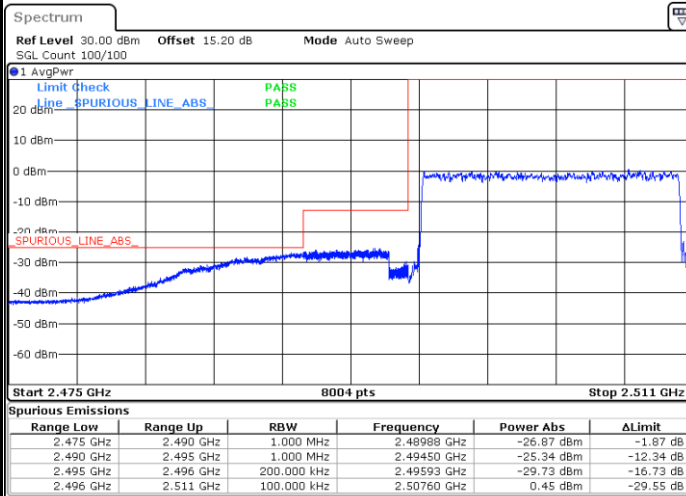
Date: 28.OCT.2022 09:00:48

## Highest Band Edge / 1 RB



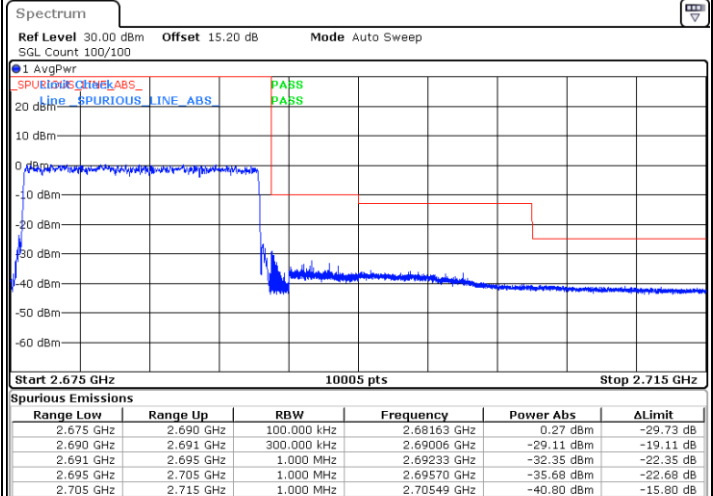
Date: 28.OCT.2022 10:12:05

## Lowest Band Edge / Full RB



Date: 28.OCT.2022 09:08:42

## Highest Band Edge / Full RB

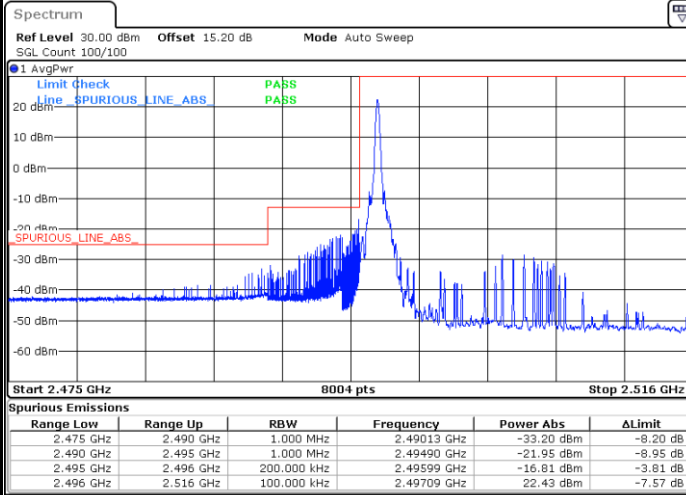


Date: 28.OCT.2022 10:16:01

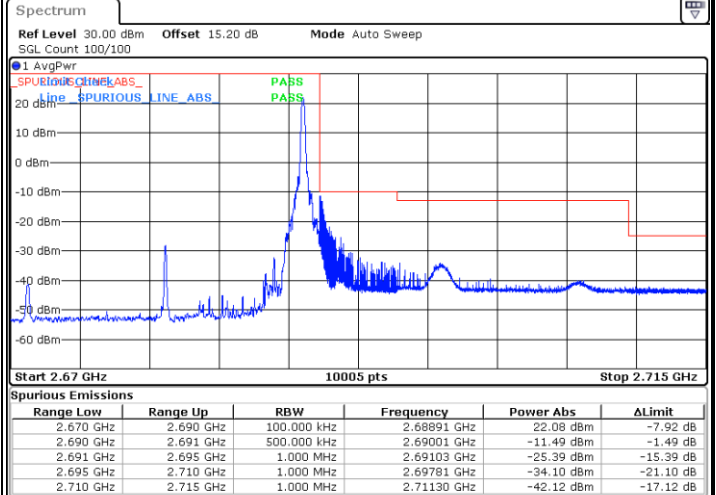


## LTE Band 41 (HPUE) / 20MHz / QPSK

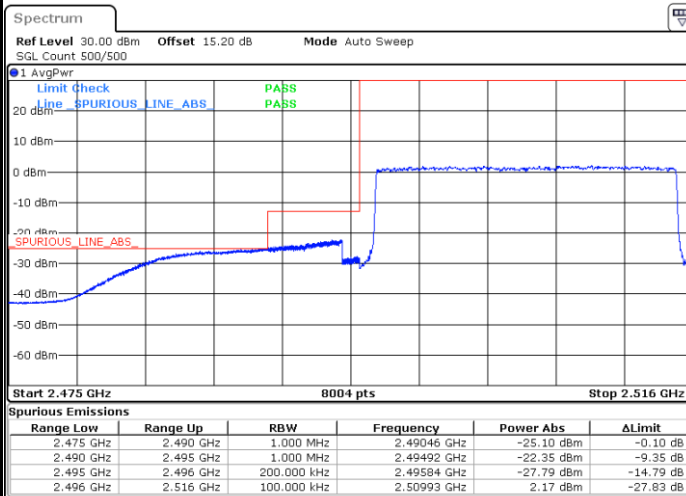
## Lowest Band Edge / 1 RB



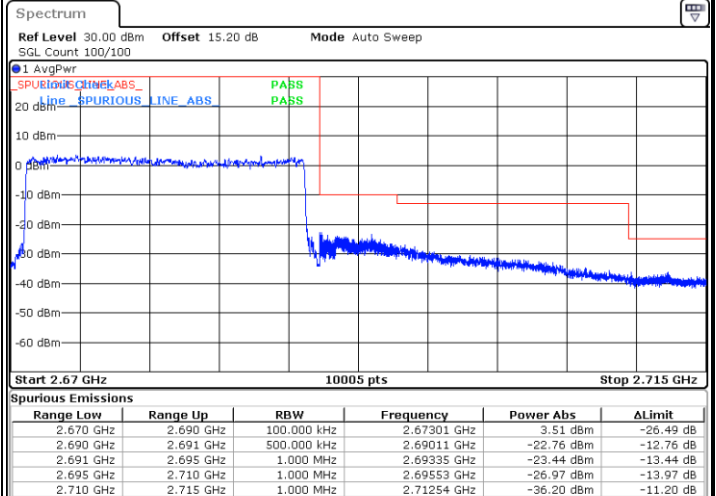
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



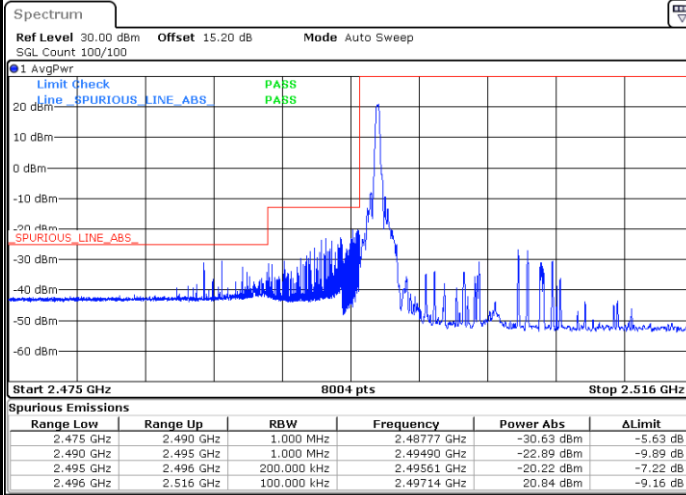
## Highest Band Edge / Full RB



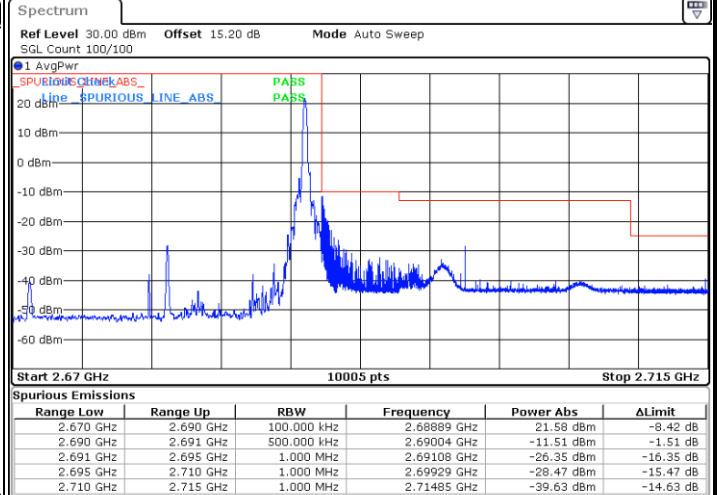


## LTE Band 41 (HPUE) / 20MHz / 16QAM

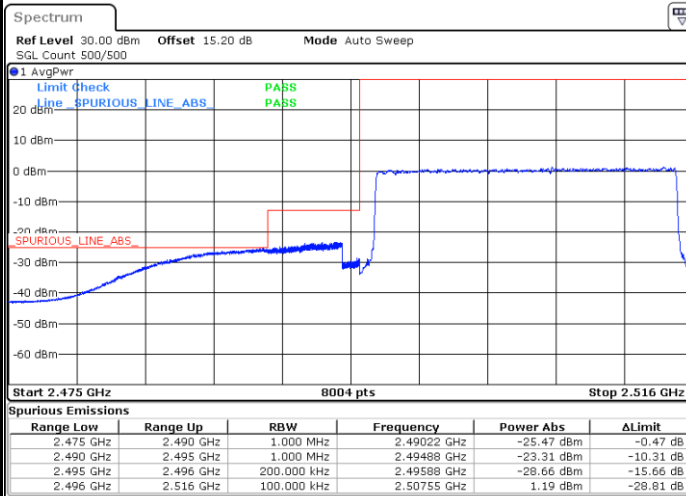
## Lowest Band Edge / 1 RB



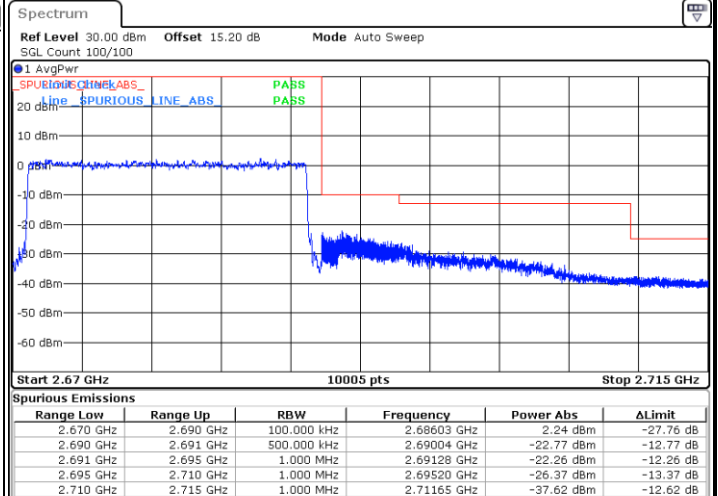
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



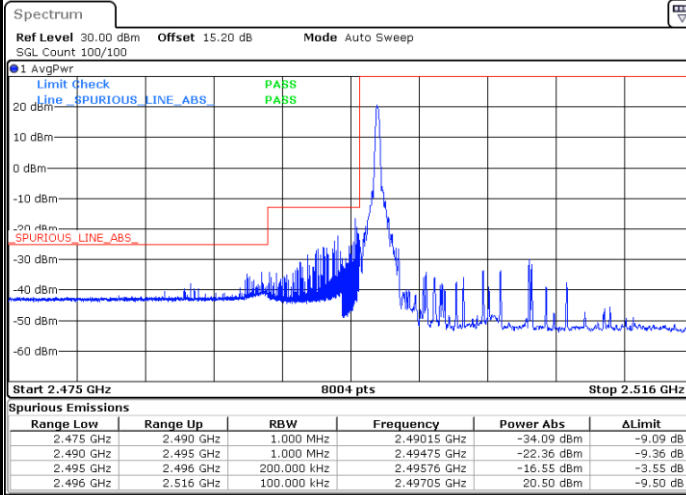
## Highest Band Edge / Full RB



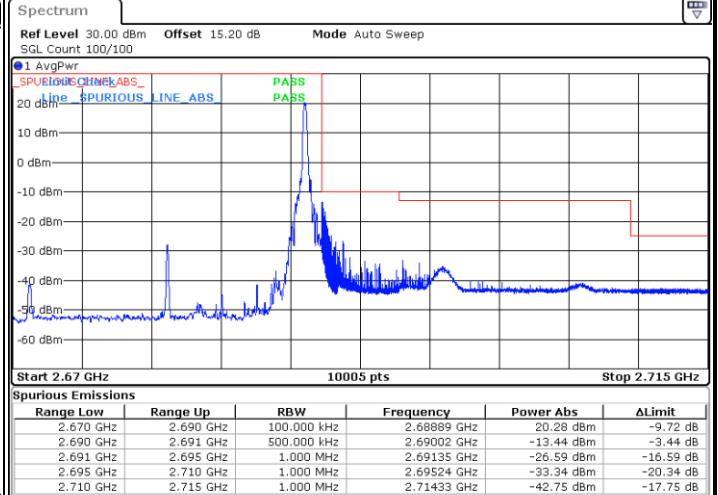


## LTE Band 41 (HPUE) / 20MHz / 64QAM

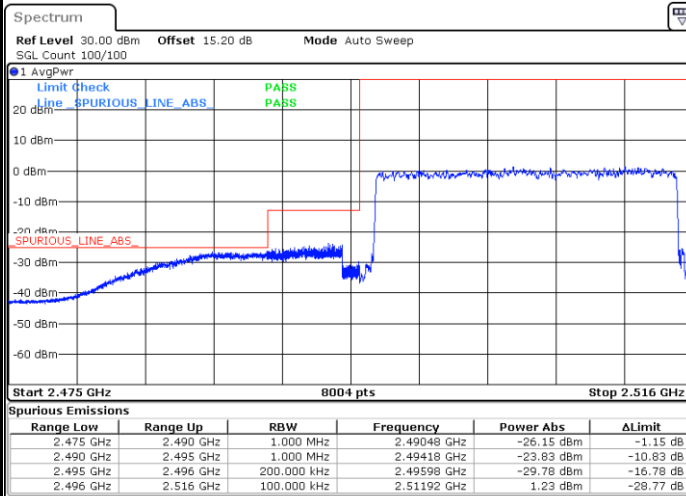
## Lowest Band Edge / 1 RB



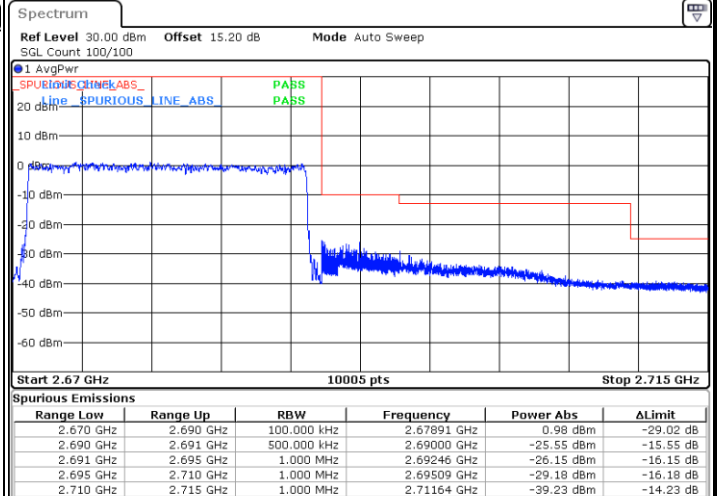
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



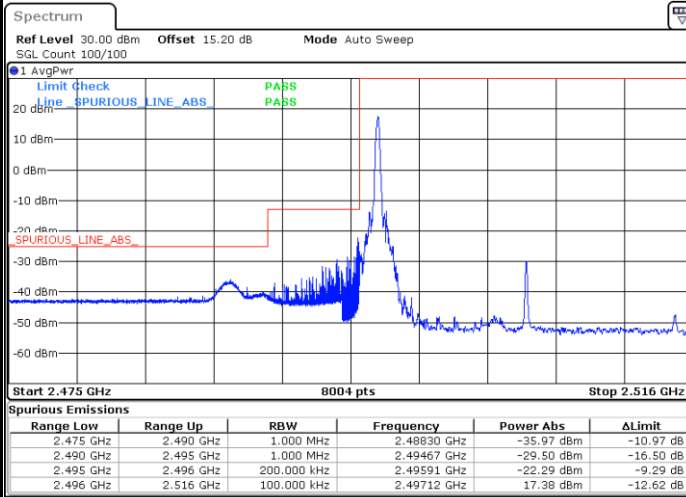
## Highest Band Edge / Full RB





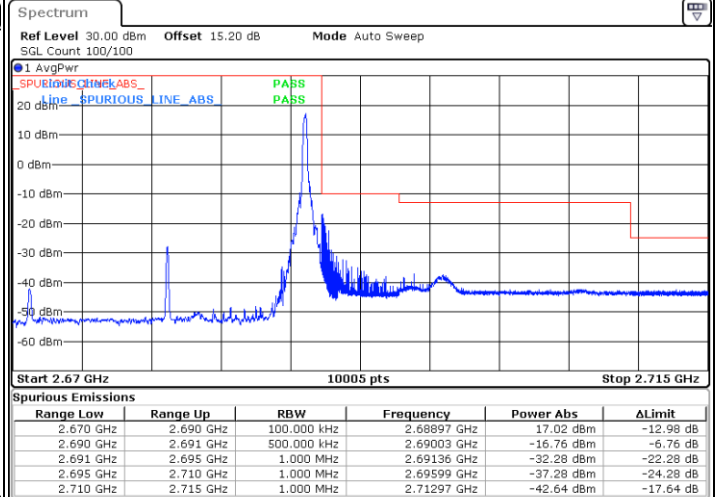
## LTE Band 41 (HPUE) / 20MHz / 256QAM

## Lowest Band Edge / 1 RB



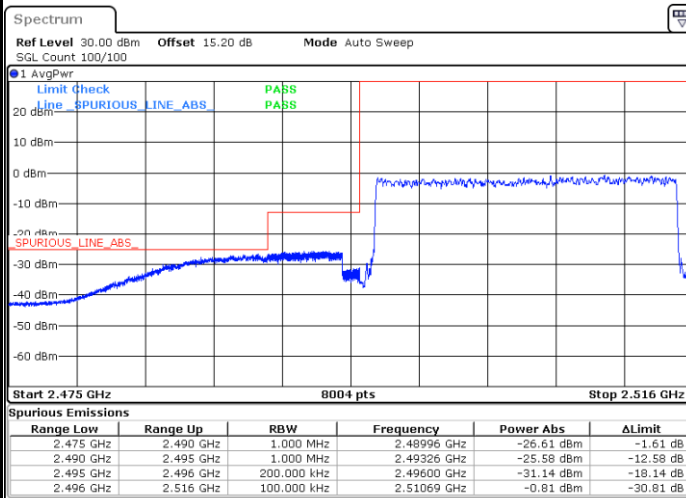
Date: 28.OCT.2022 10:23:40

## Highest Band Edge / 1 RB



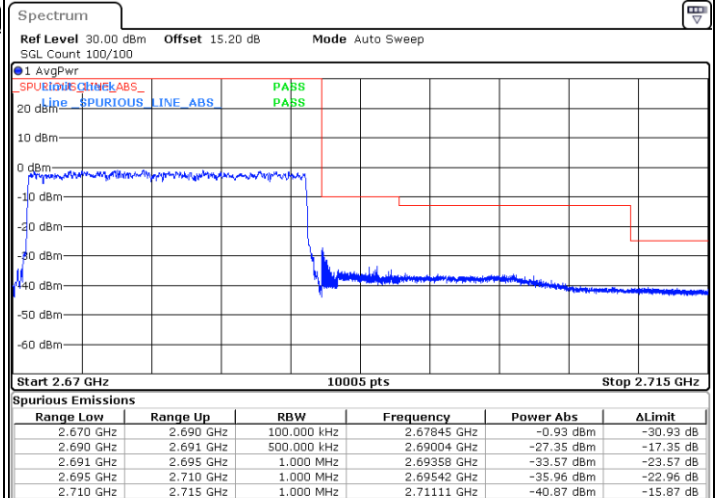
Date: 28.OCT.2022 10:40:35

## Lowest Band Edge / Full RB



Date: 28.OCT.2022 10:31:34

## Highest Band Edge / Full RB



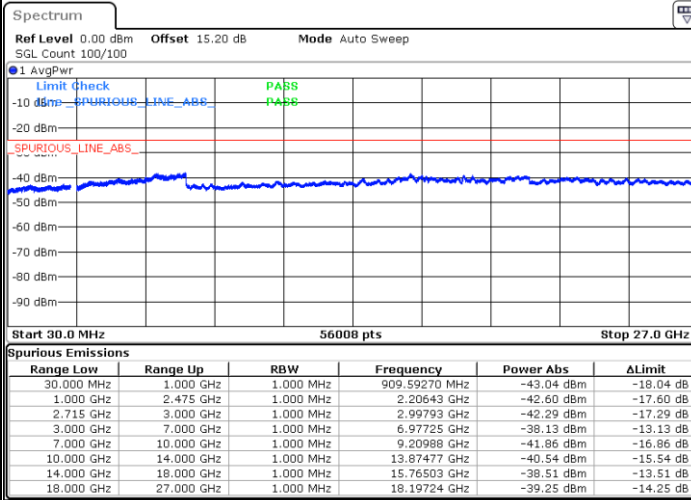
Date: 28.OCT.2022 10:44:32



# Conducted Spurious Emission

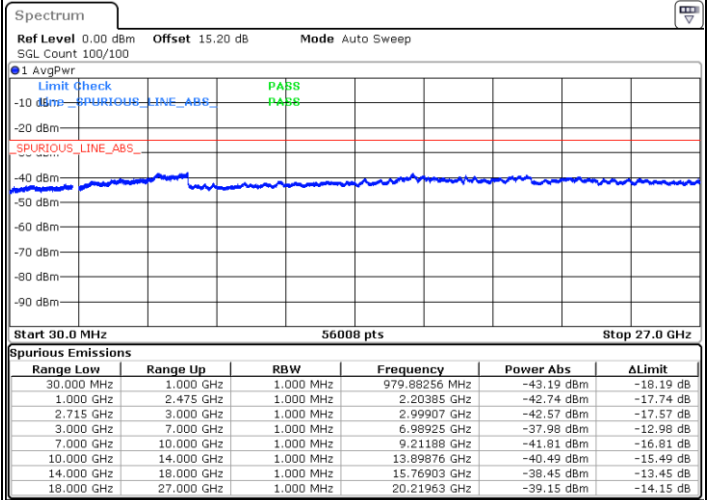
## LTE Band 41 (HPUE) / 5MHz

### Lowest Channel / QPSK



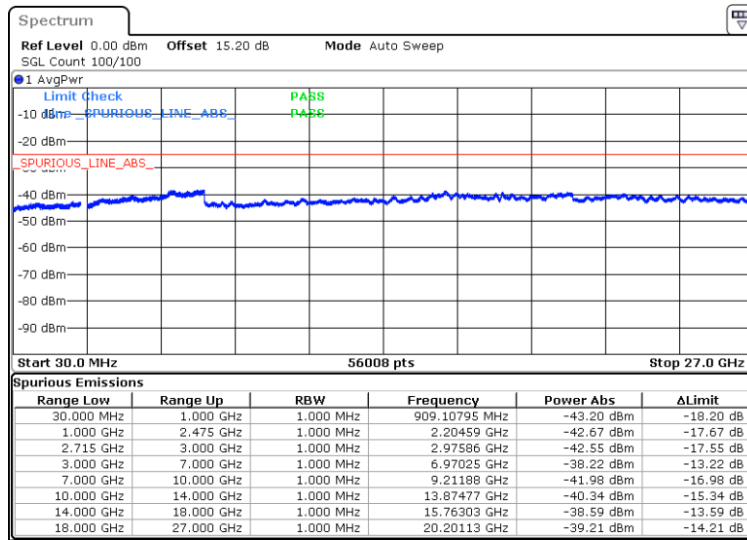
Date: 27.OCT.2022 18:03:30

### Middle Channel / QPSK



Date: 27.OCT.2022 23:24:18

### Highest Channel / QPSK

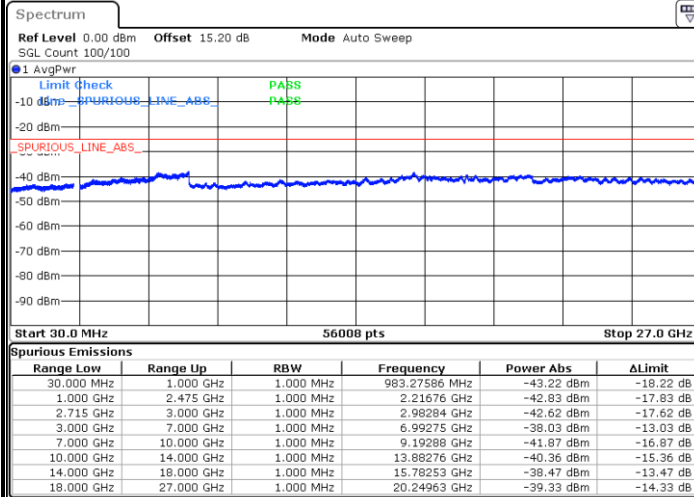


Date: 27.OCT.2022 23:23:10



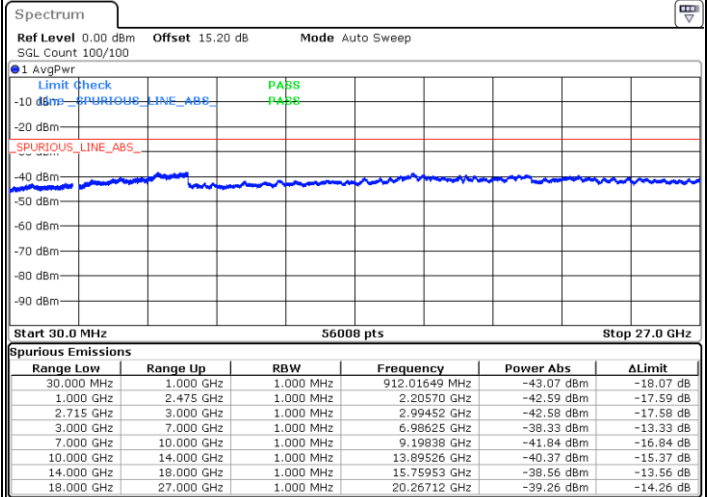
## LTE Band 41 (HPUE) / 10MHz

## Lowest Channel / QPSK



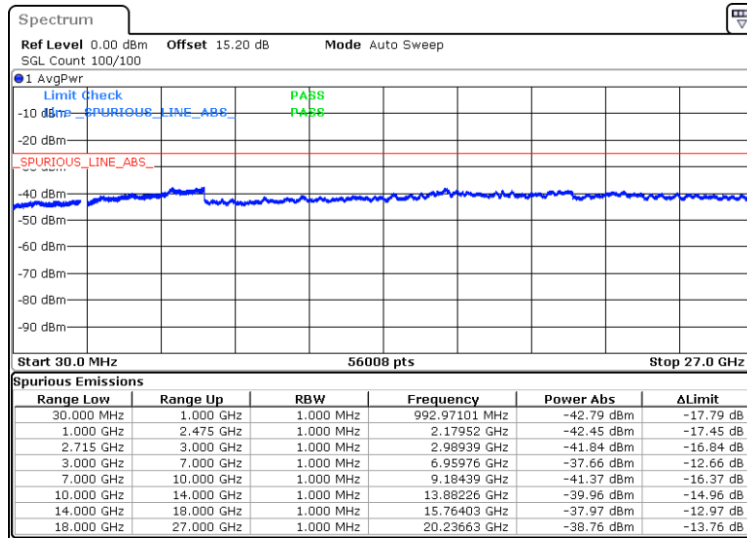
Date: 27.OCT.2022 23:38:32

## Middle Channel / QPSK



Date: 27.OCT.2022 23:25:32

## Highest Channel / QPSK

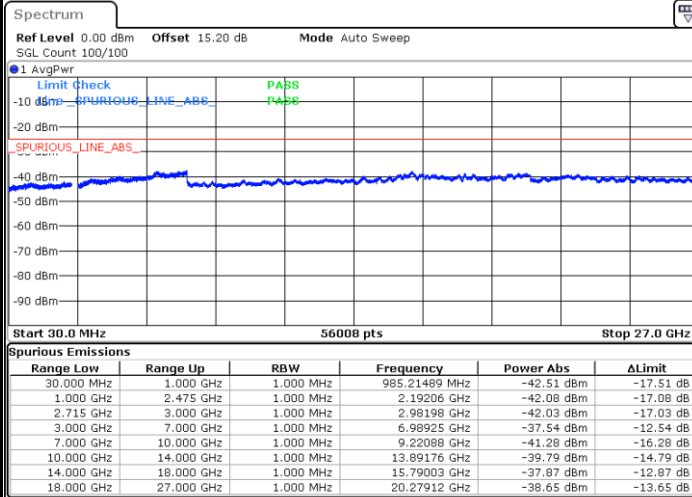


Date: 28.OCT.2022 08:56:49



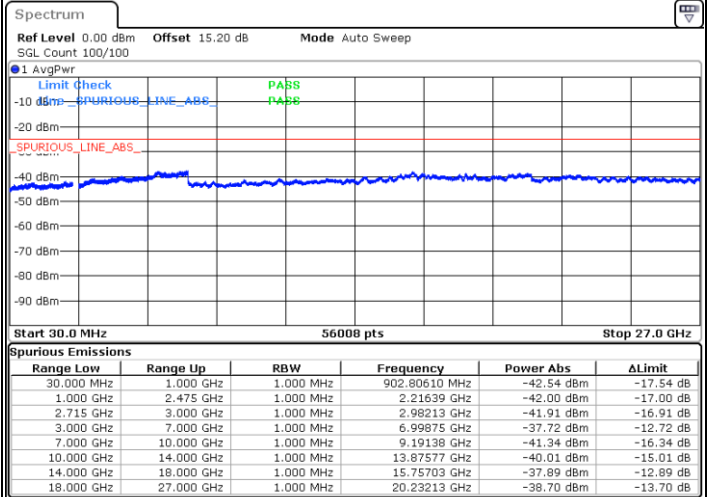
## LTE Band 41 (HPUE) / 15MHz

## Lowest Channel / QPSK



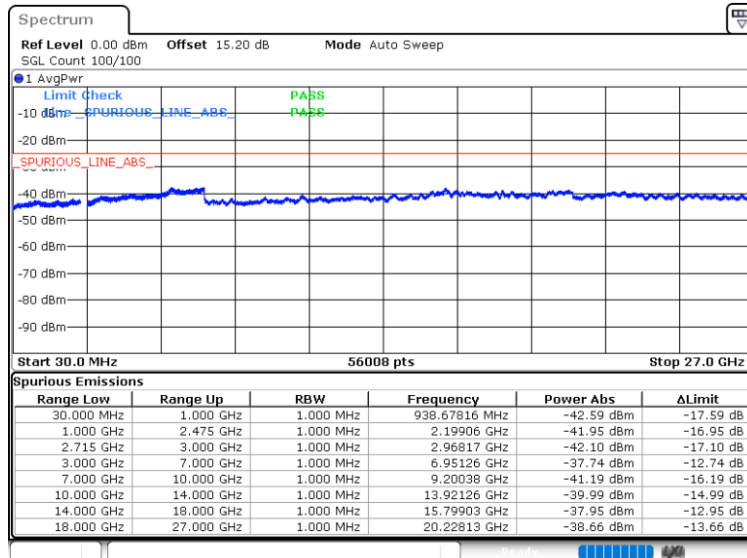
Date: 28.OCT.2022 09:09:54

## Middle Channel / QPSK



Date: 28.OCT.2022 10:18:21

## Highest Channel / QPSK

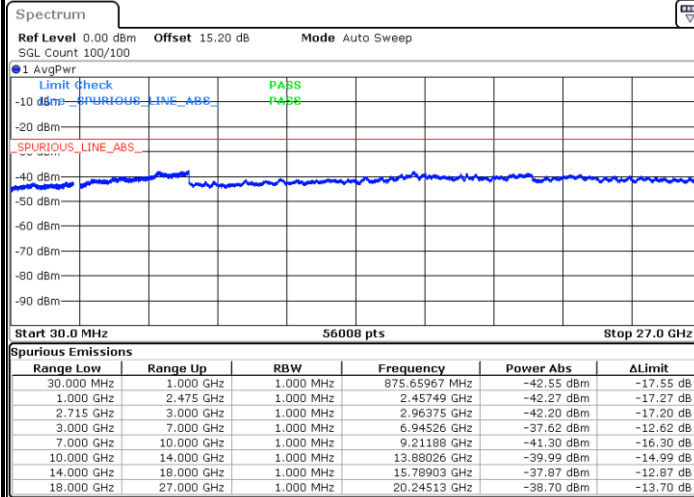


Date: 28.OCT.2022 10:17:12



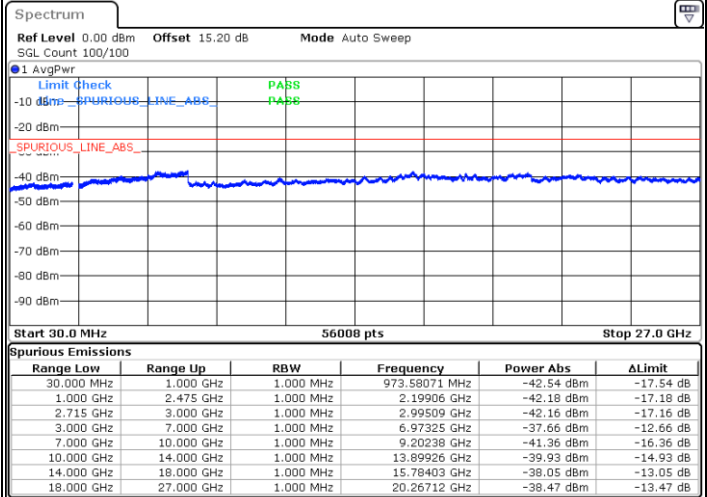
## LTE Band 41 (HPUE) / 20MHz

## Lowest Channel / QPSK



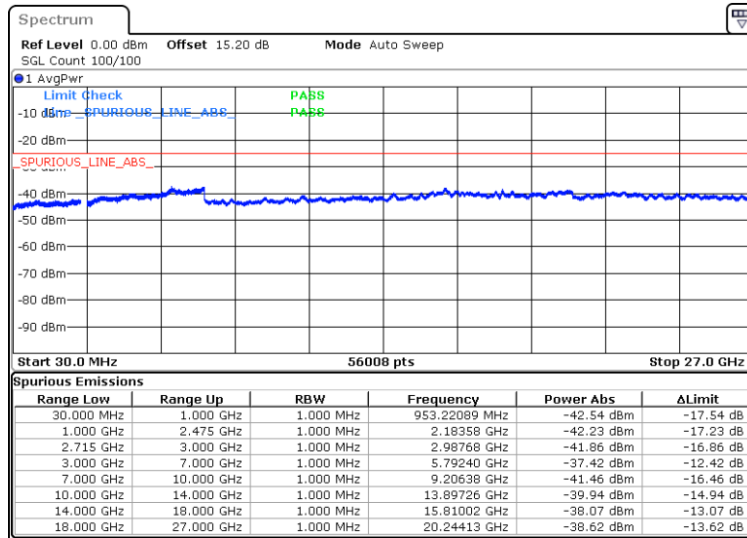
Date: 28.OCT.2022 10:32:45

## Middle Channel / QPSK



Date: 28.OCT.2022 10:19:46

## Highest Channel / QPSK



Date: 28.OCT.2022 10:45:43

## Frequency Stability

| Test Conditions     |                   | LTE Band 41 (HPUE) (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|--------------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                                   | Note 2. |
|                     |                   | Deviation (ppm)                            | Result  |
| 50                  | Normal Voltage    | 0.0029                                     | PASS    |
| 40                  | Normal Voltage    | 0.0006                                     |         |
| 30                  | Normal Voltage    | 0.0015                                     |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                                     |         |
| 10                  | Normal Voltage    | 0.0013                                     |         |
| 0                   | Normal Voltage    | 0.0025                                     |         |
| -10                 | Normal Voltage    | 0.0007                                     |         |
| -20                 | Normal Voltage    | 0.0008                                     |         |
| -30                 | Normal Voltage    | 0.0026                                     |         |
| 20                  | Maximum Voltage   | 0.0019                                     |         |
| 20                  | Normal Voltage    | 0.0000                                     |         |
| 20                  | Battery End Point | 0.0036                                     |         |

**Note:**

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 41C (HPUE)

## 26dB Bandwidth

| Mode      | LTE Band 41C (HPUE) : 26dB BW(MHz) |             |             |             |             |
|-----------|------------------------------------|-------------|-------------|-------------|-------------|
| QPSK      |                                    |             |             |             |             |
| BW        | 5MHz+20MHz                         | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 24.83                              | 25.28       | 29.67       | 24.98       | 30.57       |
| BW        | 15MHz+20MHz                        | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 34.83                              | 24.93       | 30.15       | 35.04       | 39.88       |

| Mode      | LTE Band 41C (HPUE) : 26dB BW(MHz) |             |             |             |             |
|-----------|------------------------------------|-------------|-------------|-------------|-------------|
| 16QAM     |                                    |             |             |             |             |
| BW        | 5MHz+20MHz                         | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 24.88                              | 25.08       | 29.97       | 25.13       | 30.45       |
| BW        | 15MHz+20MHz                        | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 34.83                              | 24.93       | 29.97       | 34.97       | 39.72       |

| Mode      | LTE Band 41C (HPUE) : 26dB BW(MHz) |             |             |             |             |
|-----------|------------------------------------|-------------|-------------|-------------|-------------|
| 64QAM     |                                    |             |             |             |             |
| BW        | 5MHz+20MHz                         | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 24.63                              | 25.08       | 29.91       | 25.18       | 30.51       |
| BW        | 15MHz+20MHz                        | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 34.90                              | 24.93       | 29.97       | 34.90       | 39.96       |

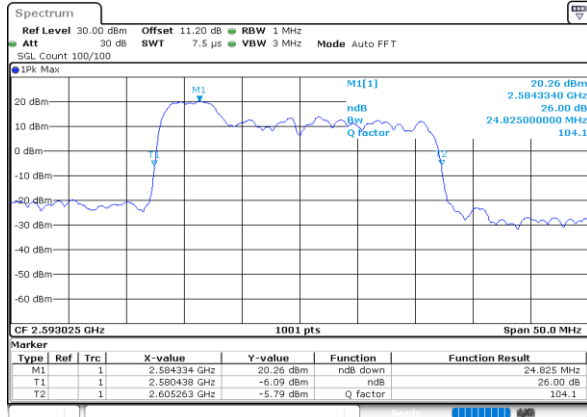
| Mode      | LTE Band 41C (HPUE) : 26dB BW(MHz) |             |             |             |             |
|-----------|------------------------------------|-------------|-------------|-------------|-------------|
| 256QAM    |                                    |             |             |             |             |
| BW        | 5MHz+20MHz                         | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 24.78                              | 25.13       | 29.91       | 25.18       | 30.51       |
| BW        | 15MHz+20MHz                        | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 34.69                              | 25.03       | 30.03       | 34.97       | 39.80       |



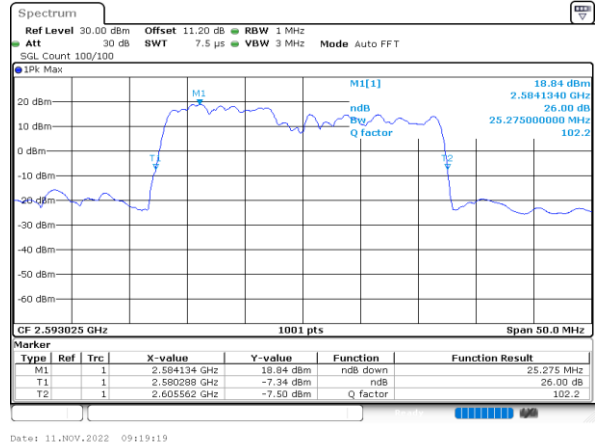
## LTE Band 41C (HPUE)

## QPSK

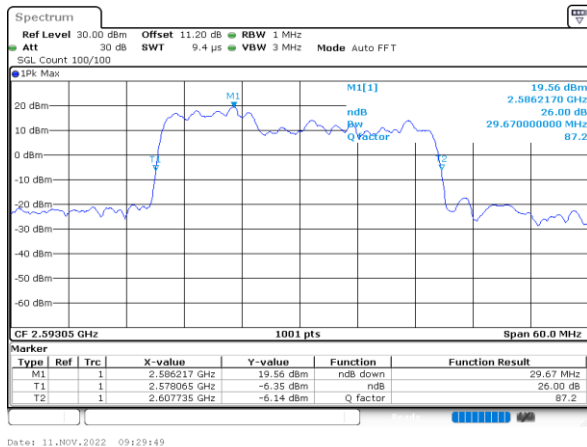
## Middle Channel / 5MHz+20MHz



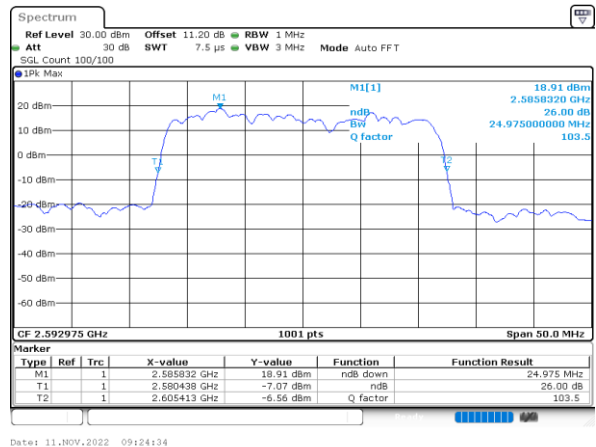
## Middle Channel / 10MHz+15MHz



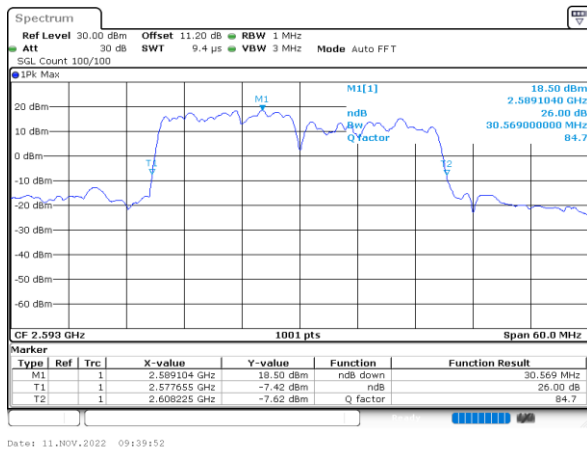
## Middle Channel / 10MHz+20MHz



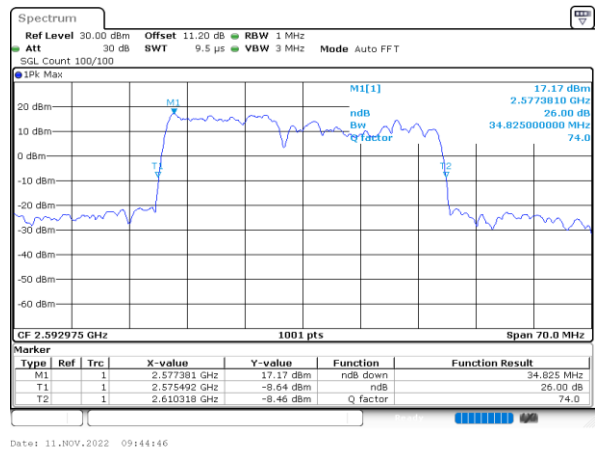
## Middle Channel / 15MHz+10MHz



## Middle Channel / 15MHz+15MHz



## Middle Channel / 15MHz+20MHz

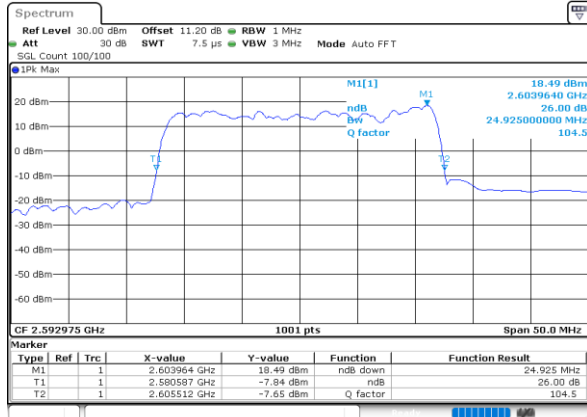




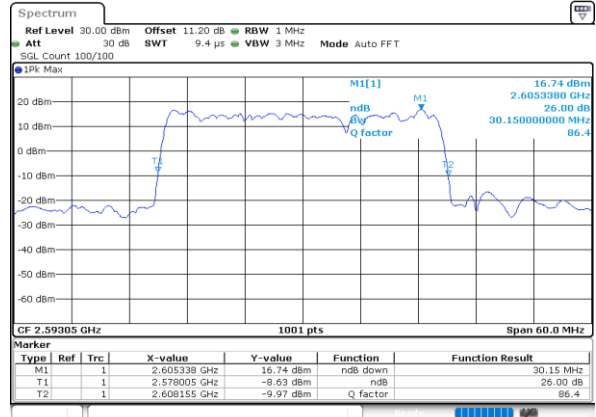
## LTE Band 41C (HPUE)

## QPSK

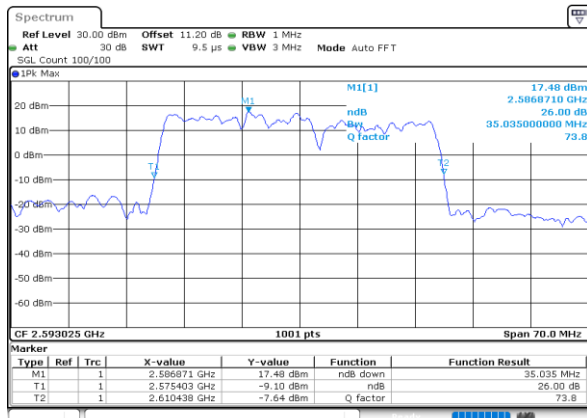
## Middle Channel / 20MHz+5MHz



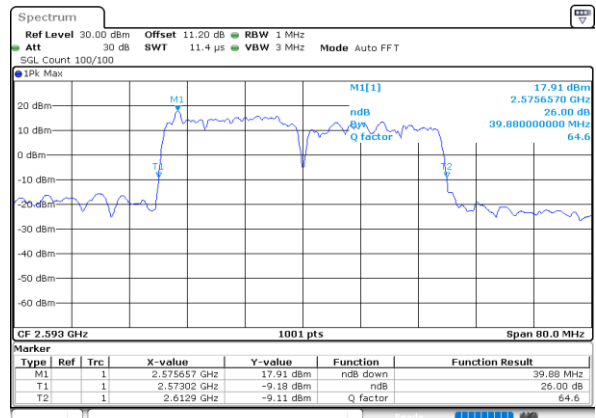
## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



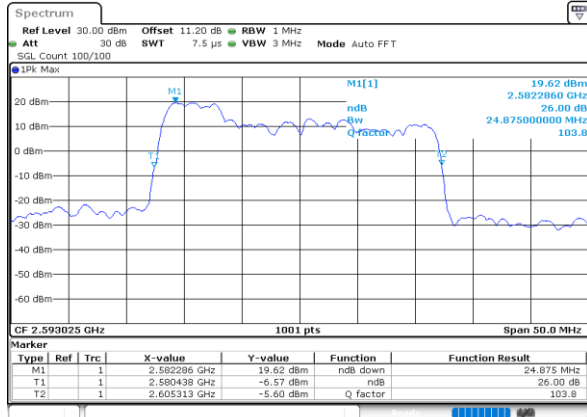
## Middle Channel / 20MHz+20MHz



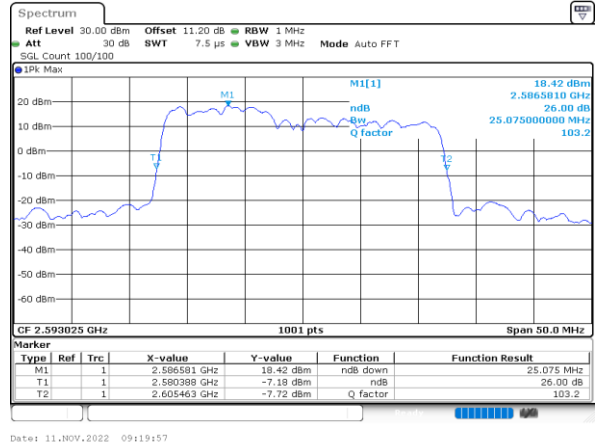
## LTE Band 41C (HPUE)

### 16QAM

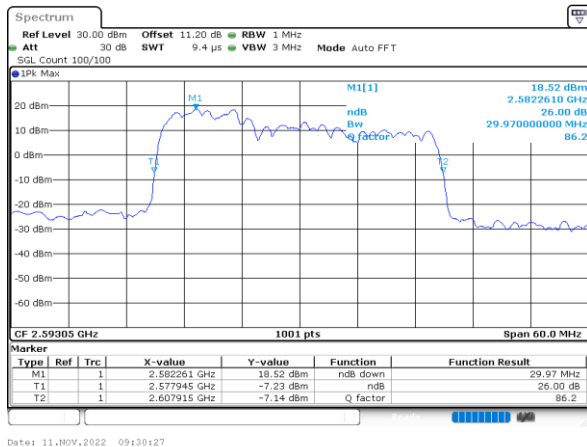
#### Middle Channel / 5MHz+20MHz



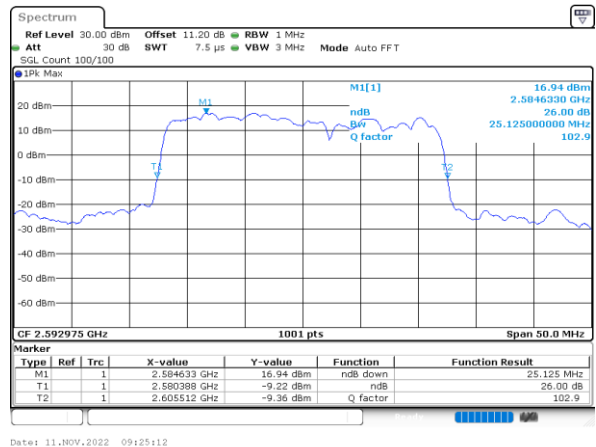
#### Middle Channel / 10MHz+15MHz



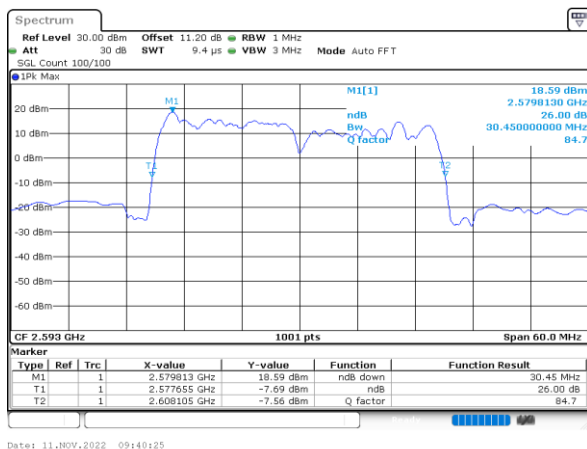
#### Middle Channel / 10MHz+20MHz



#### Middle Channel / 15MHz+10MHz



#### Middle Channel / 15MHz+15MHz



#### Middle Channel / 15MHz+20MHz

