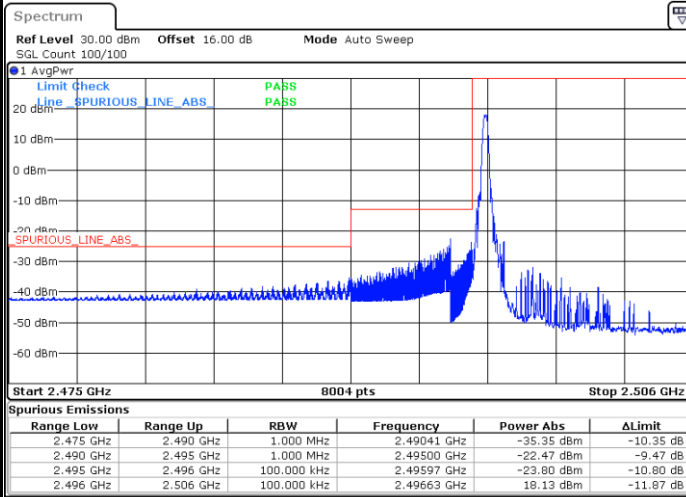


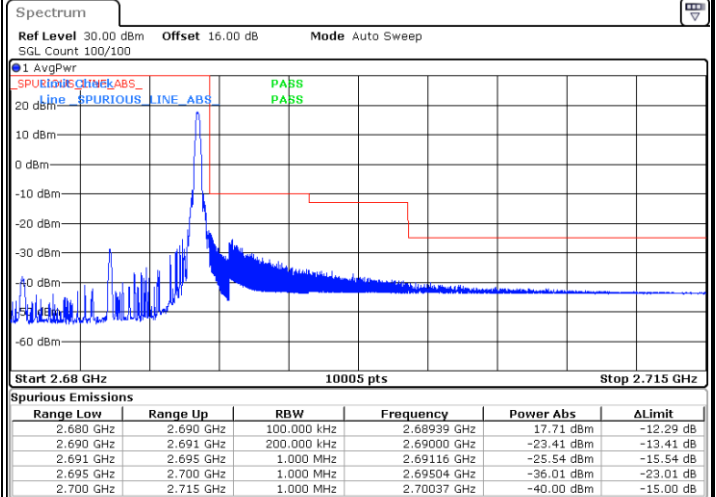


## LTE Band 41 / 10MHz / 64QAM

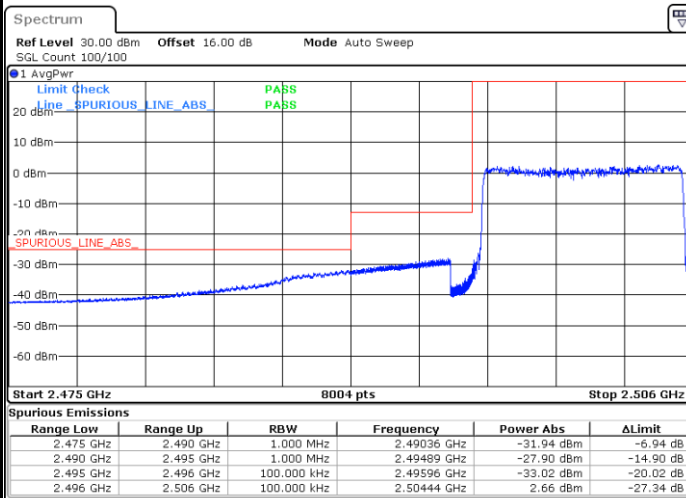
## Lowest Band Edge / 1 RB



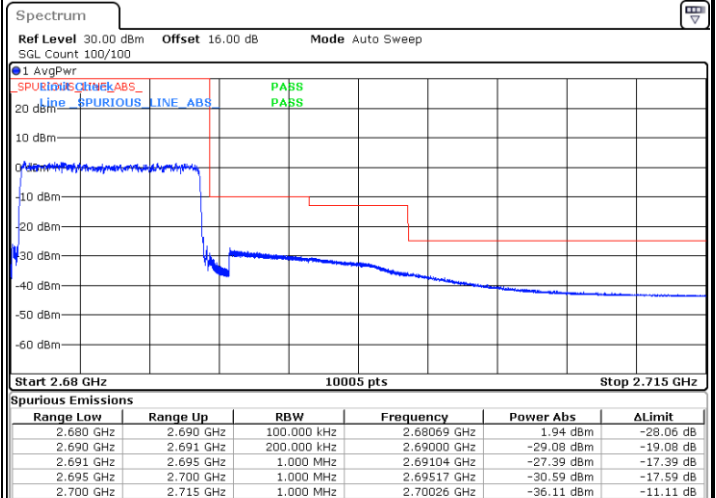
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



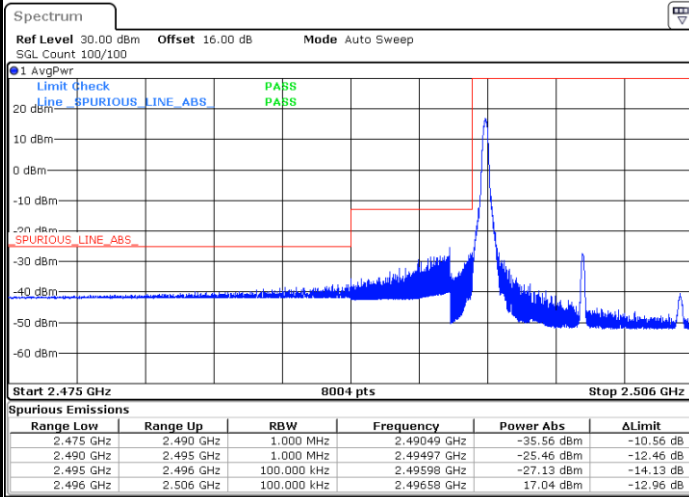
## Highest Band Edge / Full RB





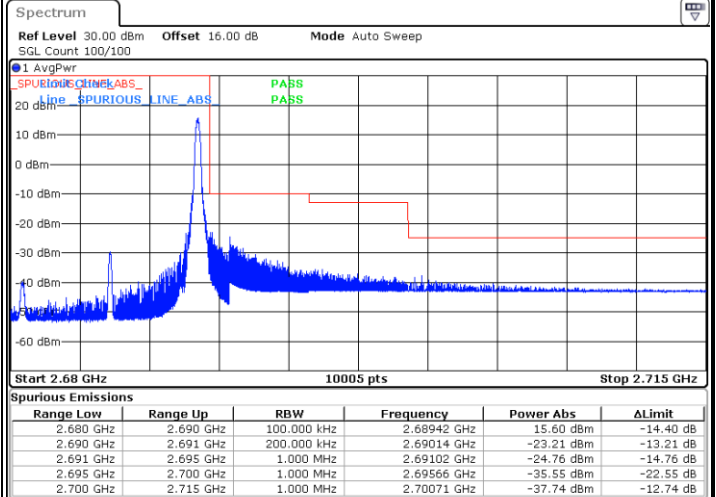
## LTE Band 41 / 10MHz / 256QAM

## Lowest Band Edge / 1 RB



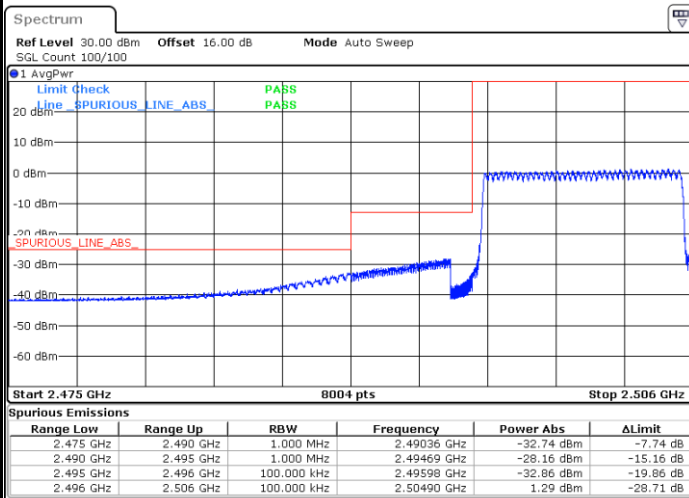
Date: 28.APR.2022 20:33:20

## Highest Band Edge / 1 RB



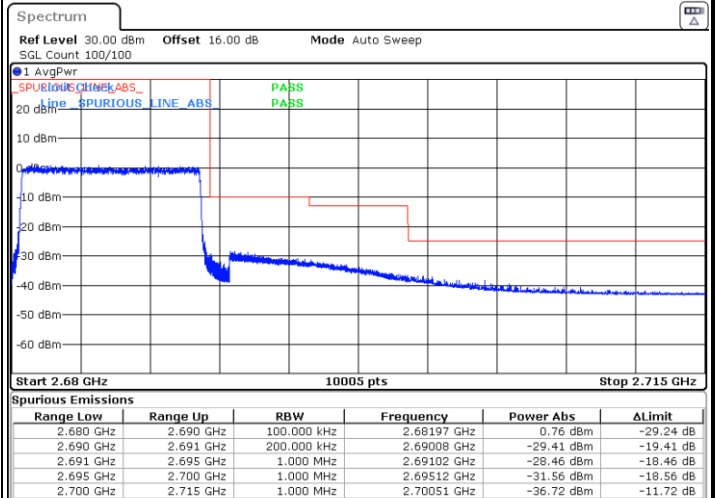
Date: 28.APR.2022 20:35:33

## Lowest Band Edge / Full RB



Date: 28.APR.2022 20:34:27

## Highest Band Edge / Full RB

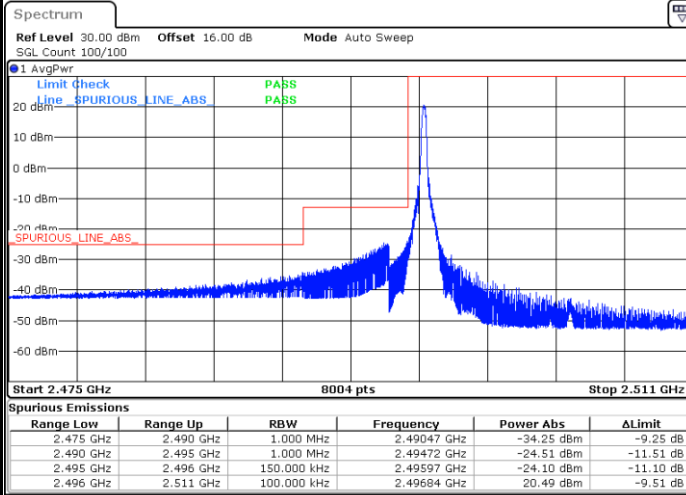


Date: 2.MAY.2022 22:04:28

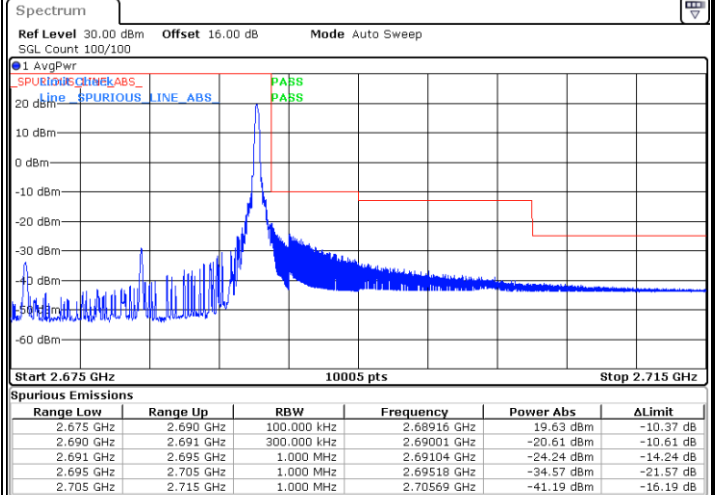


## LTE Band 41 / 15MHz / QPSK

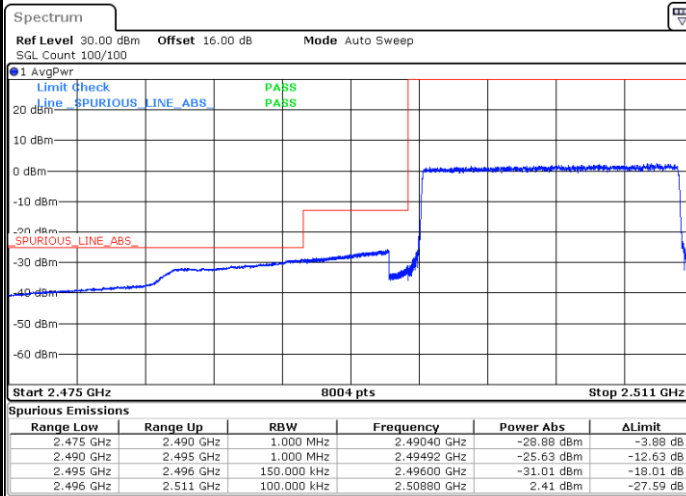
## Lowest Band Edge / 1 RB



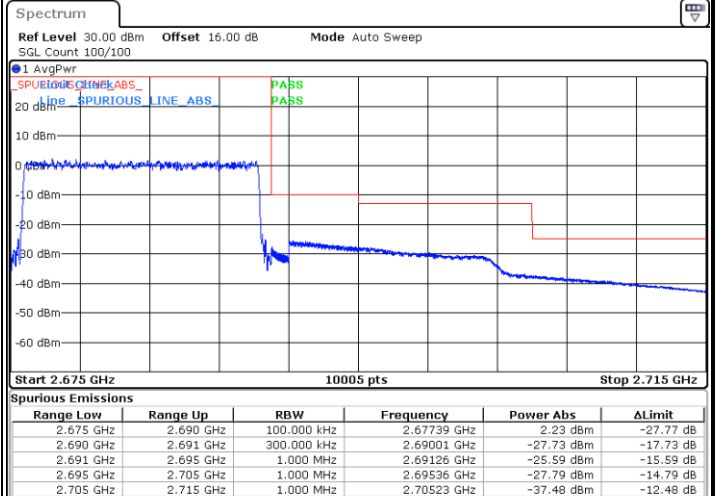
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



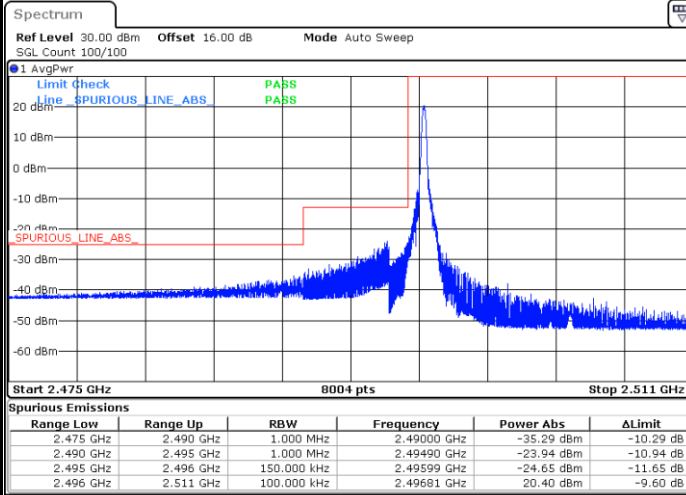
## Highest Band Edge / Full RB





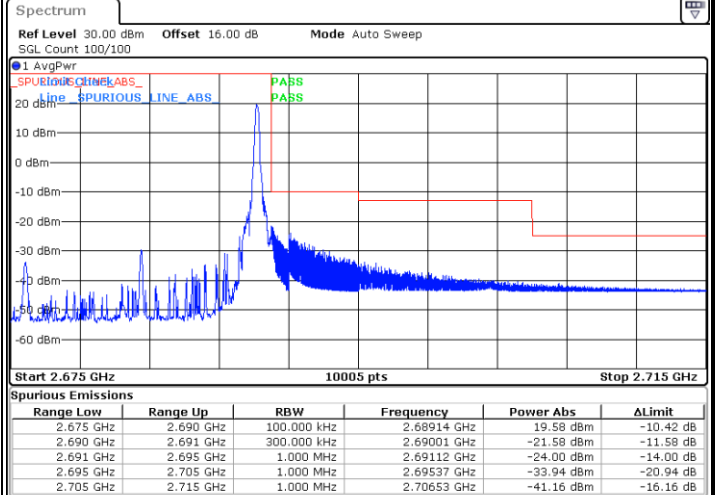
## LTE Band 41 / 15MHz / 16QAM

## Lowest Band Edge / 1 RB



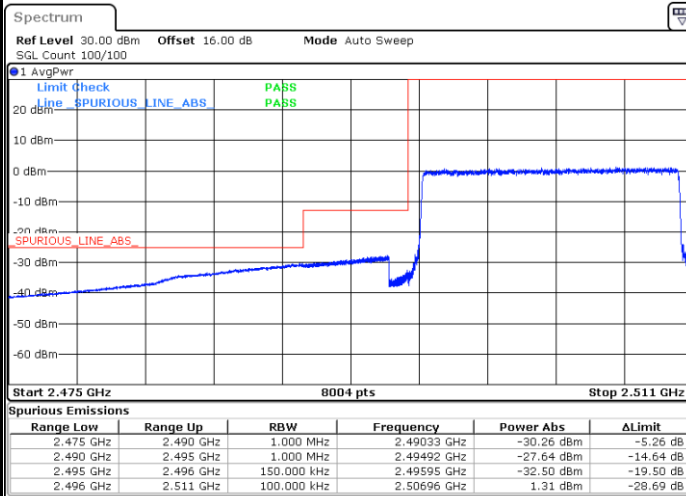
Date: 21.APR.2022 20:09:47

## Highest Band Edge / 1 RB



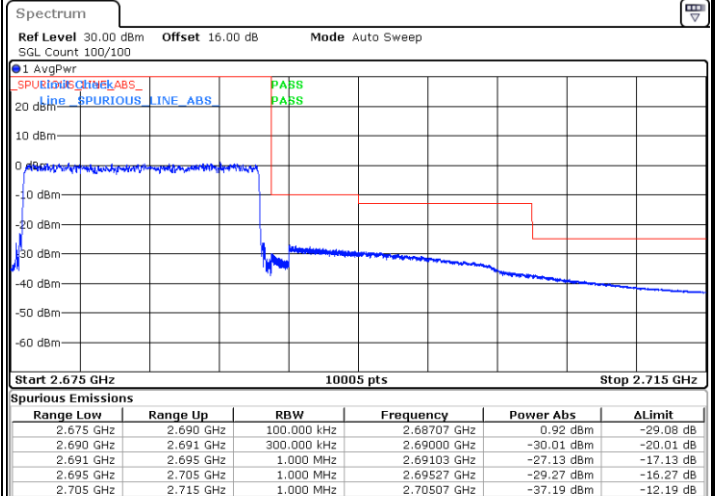
Date: 21.APR.2022 20:14:08

## Lowest Band Edge / Full RB



Date: 21.APR.2022 20:11:54

## Highest Band Edge / Full RB

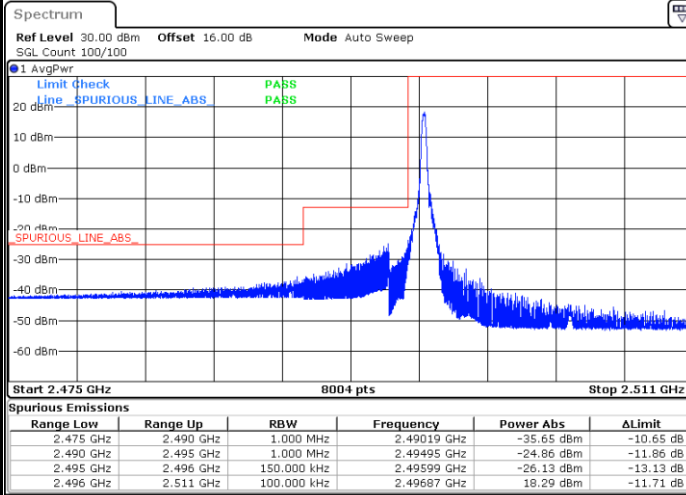


Date: 21.APR.2022 20:16:21



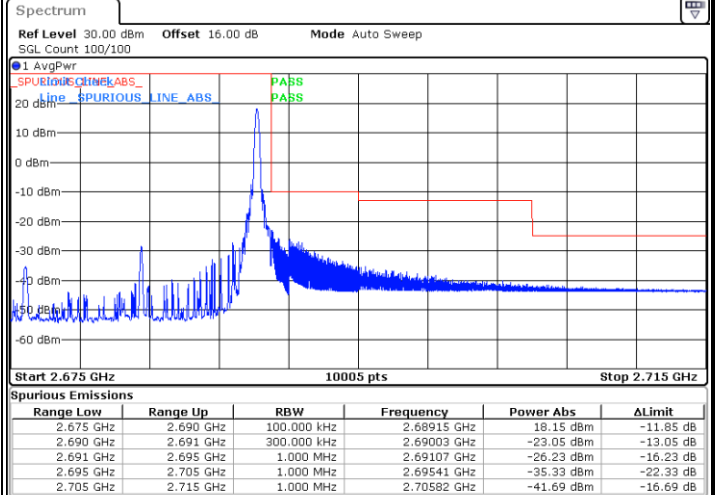
## LTE Band 41 / 15MHz / 64QAM

## Lowest Band Edge / 1 RB



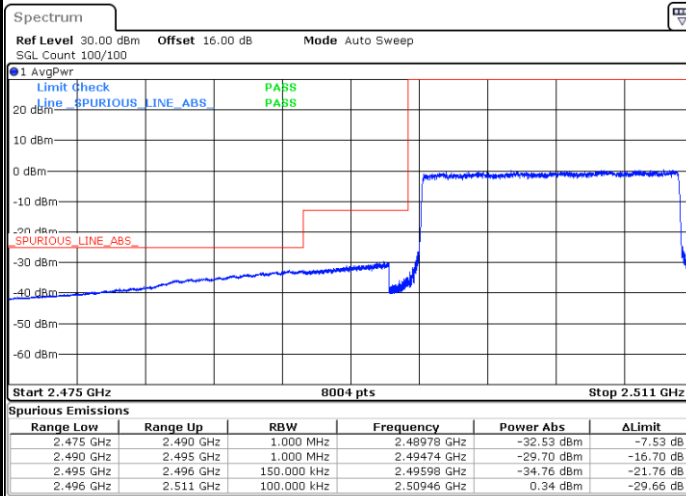
Date: 21.APR.2022 20:04:24

## Highest Band Edge / 1 RB



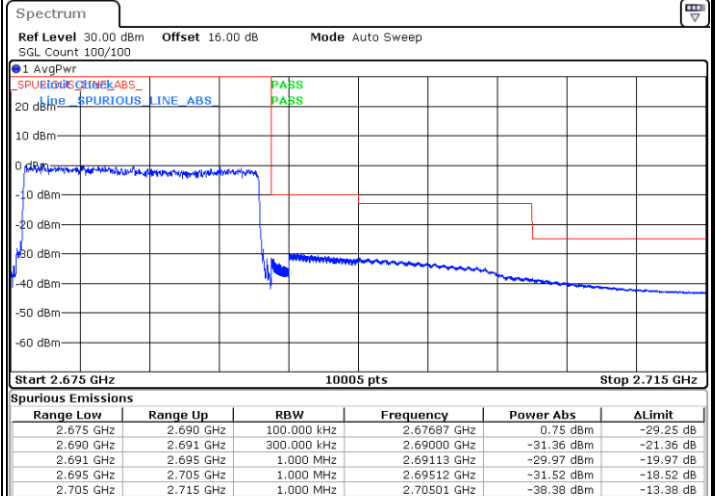
Date: 21.APR.2022 20:06:34

## Lowest Band Edge / Full RB



Date: 21.APR.2022 20:05:28

## Highest Band Edge / Full RB

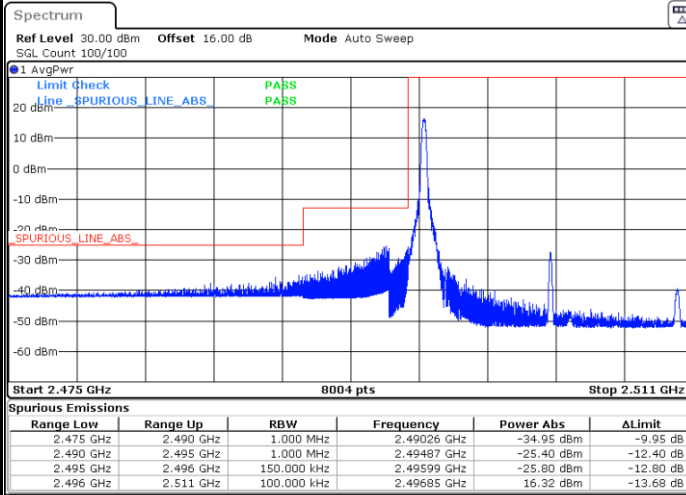


Date: 21.APR.2022 20:07:41

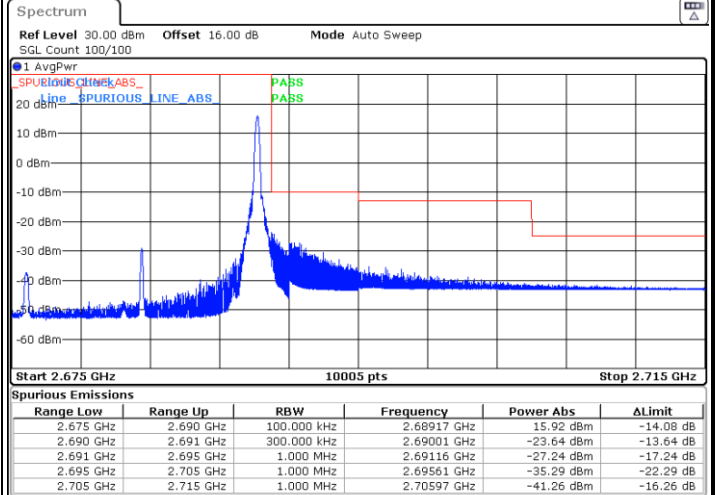


## LTE Band 41 / 15MHz / 256QAM

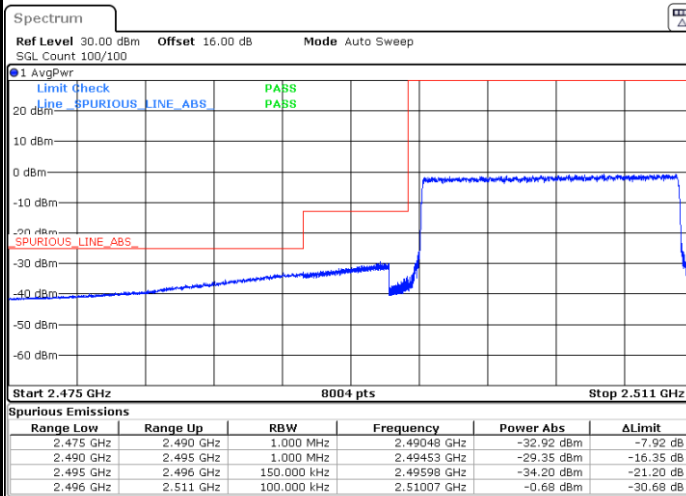
## Lowest Band Edge / 1 RB



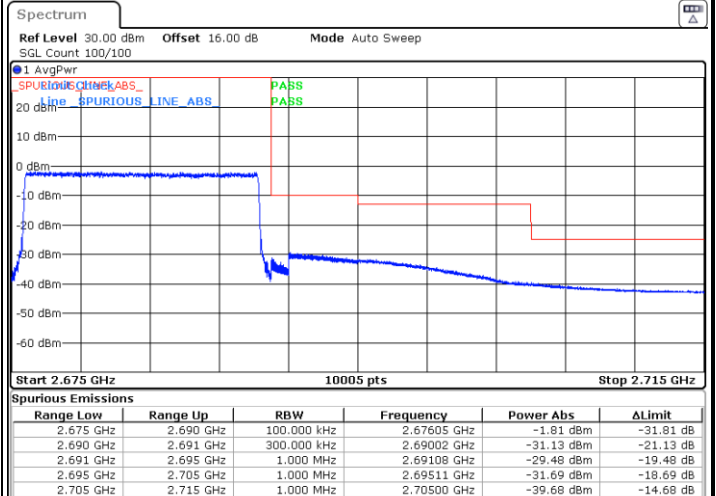
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



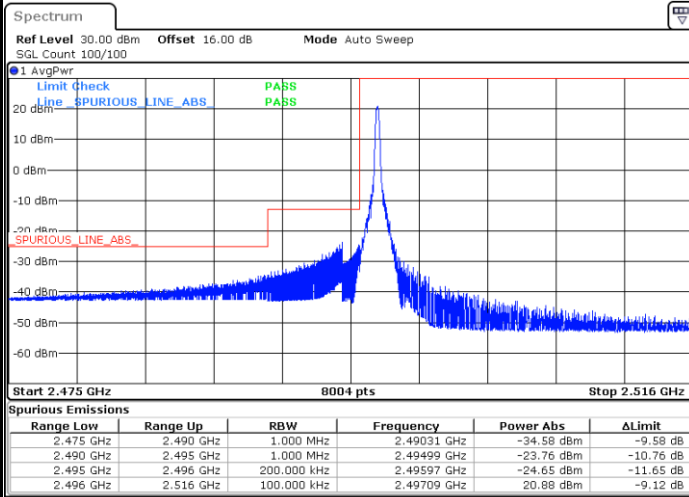
## Highest Band Edge / Full RB



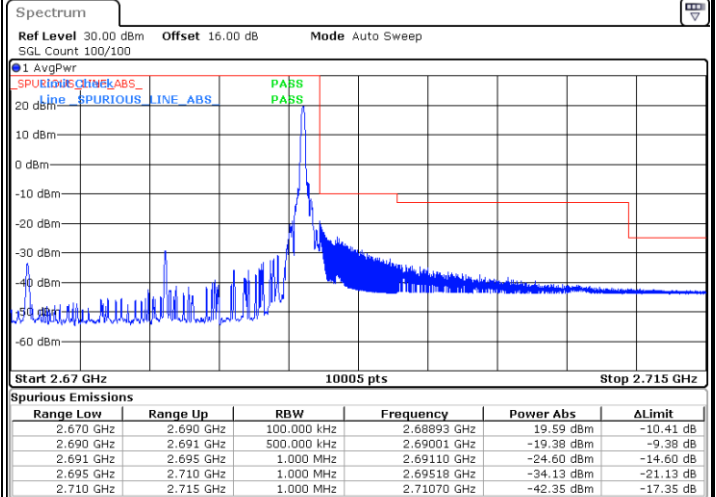


## LTE Band 41 / 20MHz / QPSK

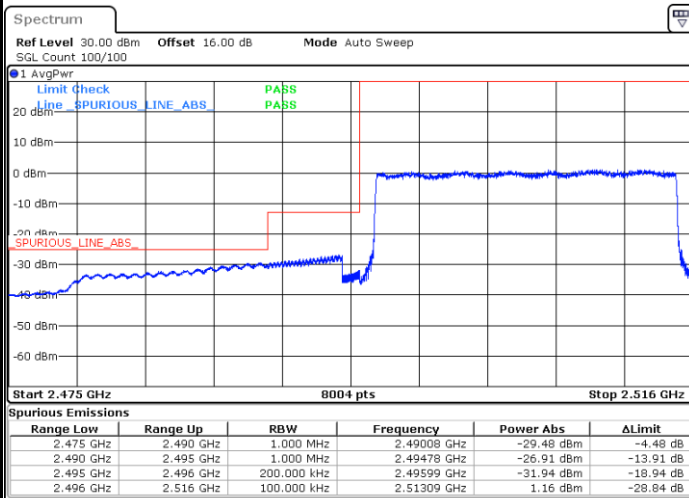
## Lowest Band Edge / 1 RB



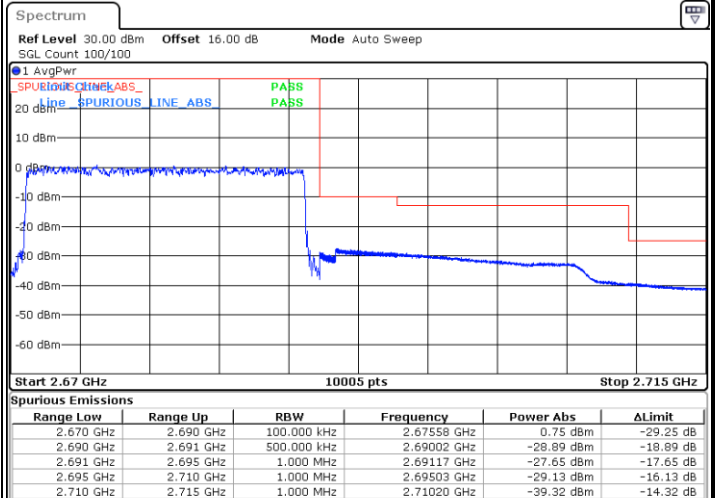
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



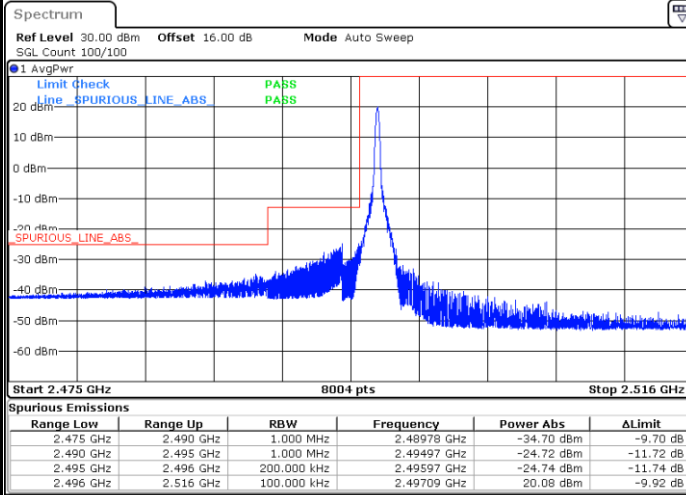
## Highest Band Edge / Full RB



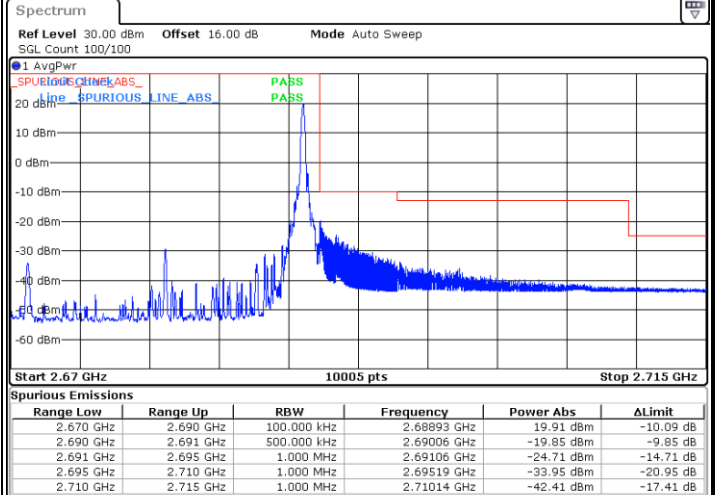


## LTE Band 41 / 20MHz / 16QAM

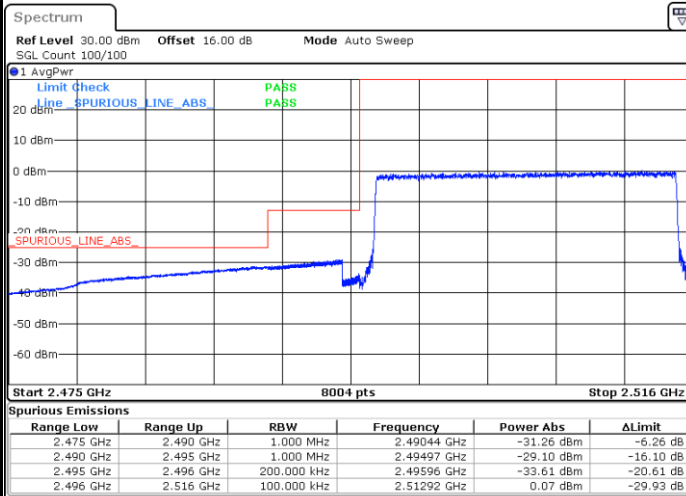
## Lowest Band Edge / 1 RB



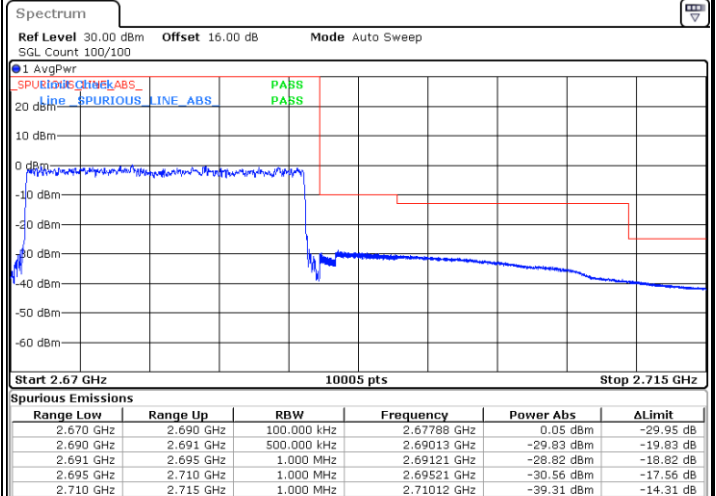
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



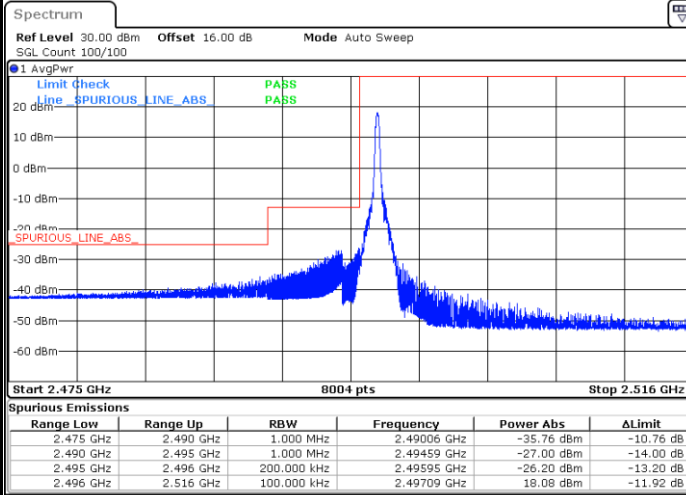
## Highest Band Edge / Full RB



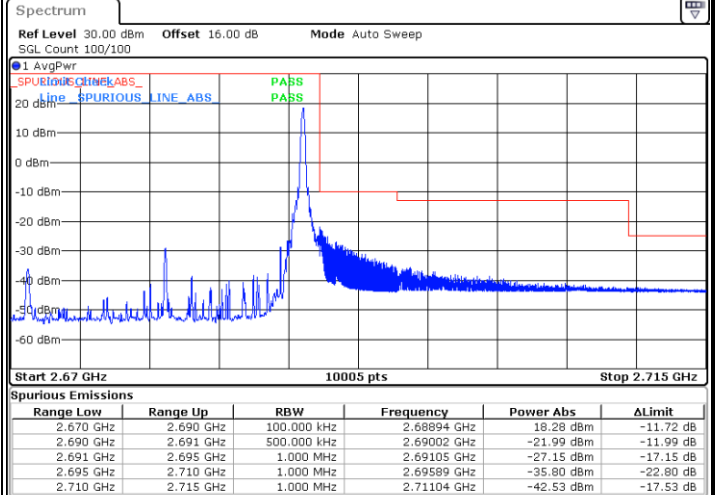


## LTE Band 41 / 20MHz / 64QAM

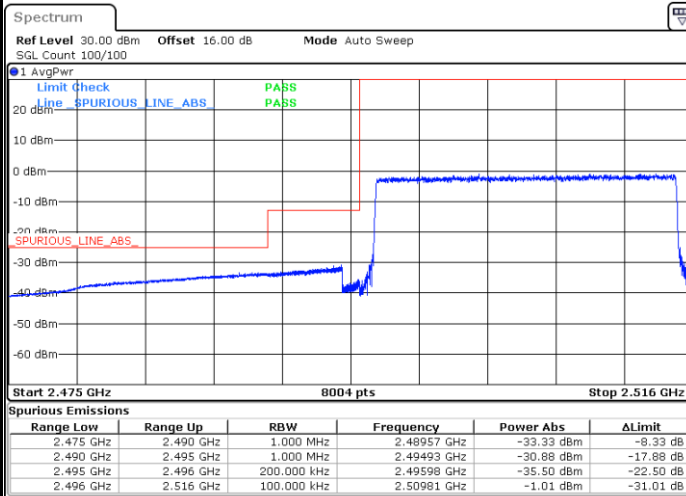
## Lowest Band Edge / 1 RB



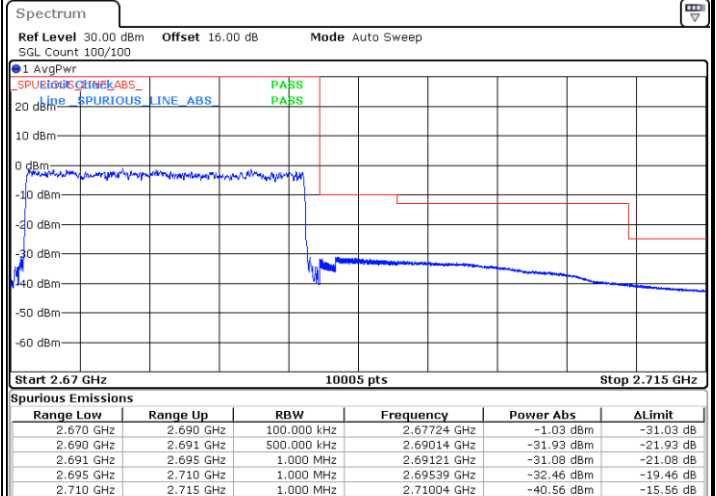
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



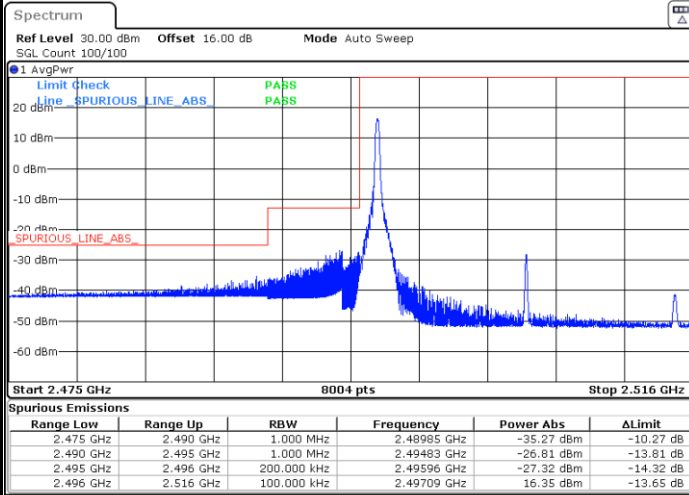
## Highest Band Edge / Full RB





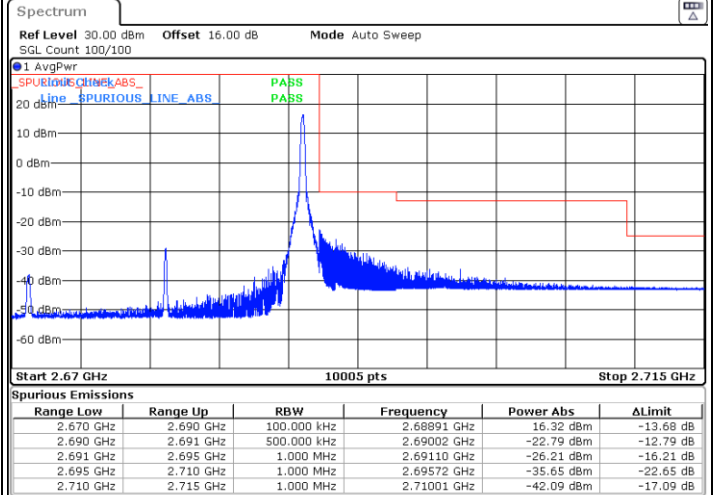
## LTE Band 41 / 20MHz / 256QAM

## Lowest Band Edge / 1 RB



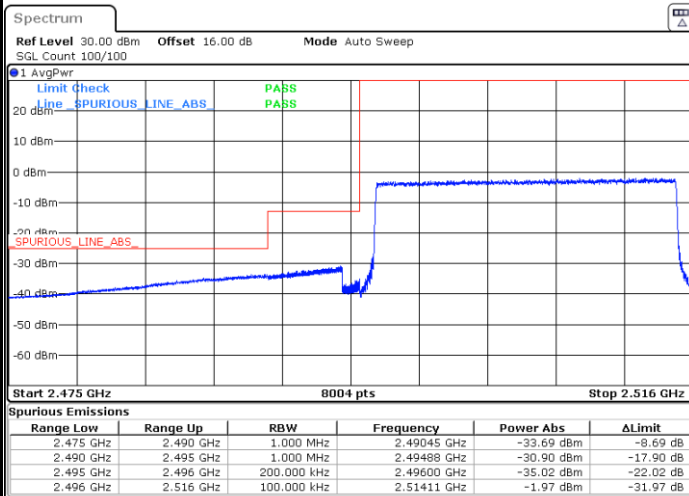
Date: 2.MAY.2022 22:24:40

## Highest Band Edge / 1 RB



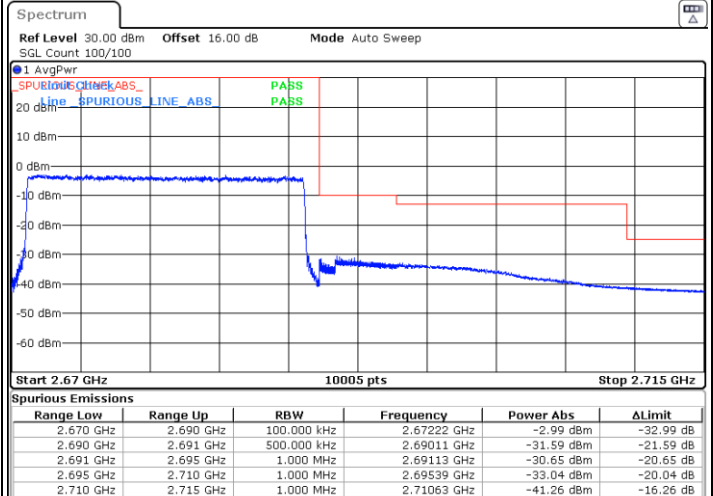
Date: 2.MAY.2022 22:26:55

## Lowest Band Edge / Full RB



Date: 2.MAY.2022 22:25:47

## Highest Band Edge / Full RB



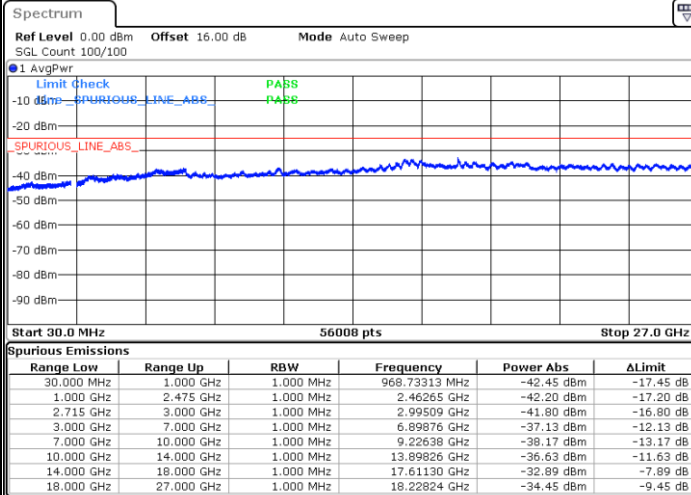
Date: 2.MAY.2022 22:28:02



# Conducted Spurious Emission

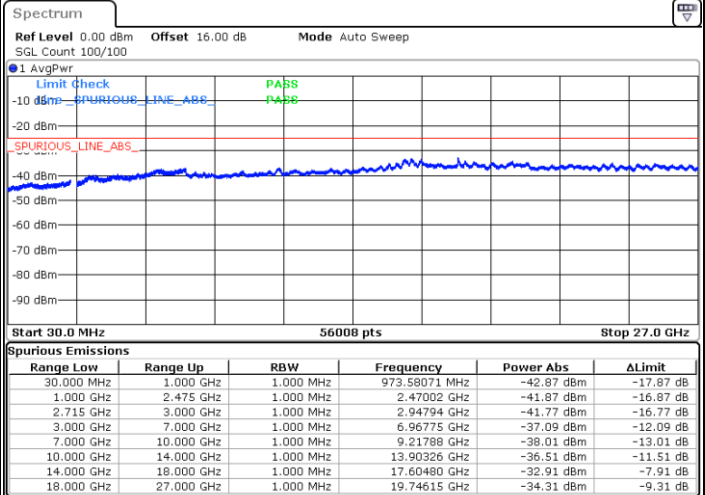
## LTE Band 41 / 5MHz

### Lowest Channel / QPSK



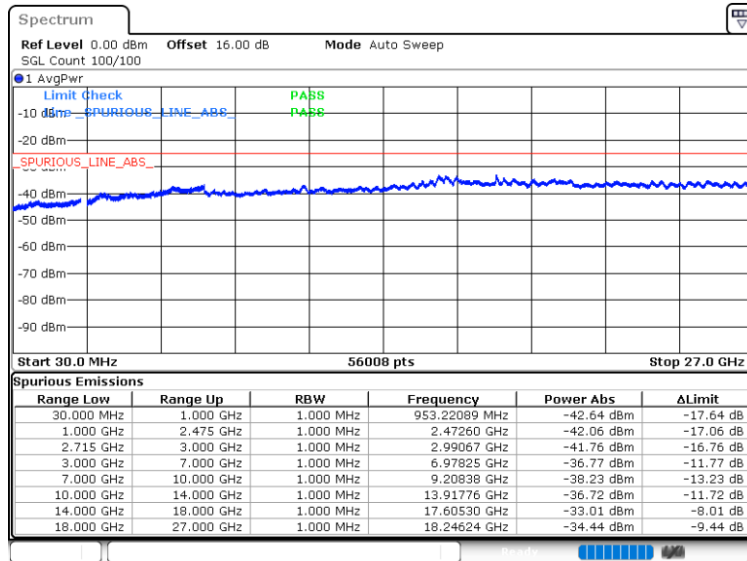
Date: 21.APR.2022 19:44:15

### Middle Channel / QPSK



Date: 21.APR.2022 19:45:27

### Highest Channel / QPSK

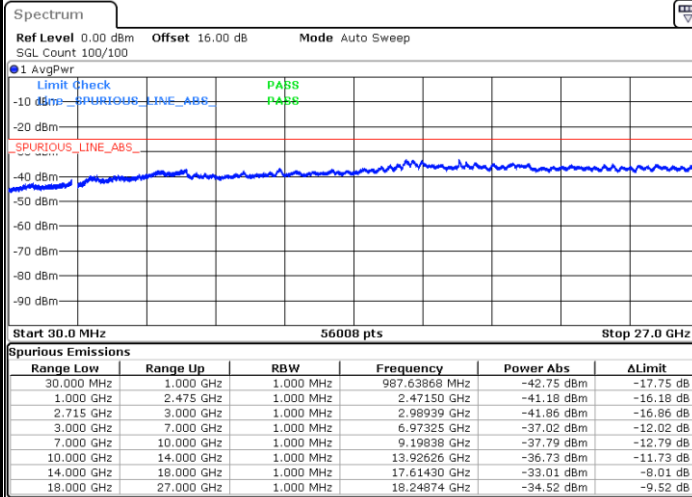


Date: 21.APR.2022 19:46:40



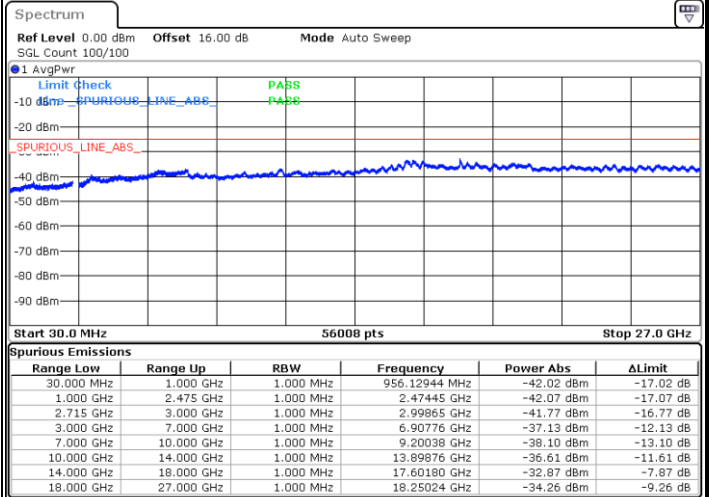
## LTE Band 41 / 10MHz

## Lowest Channel / QPSK



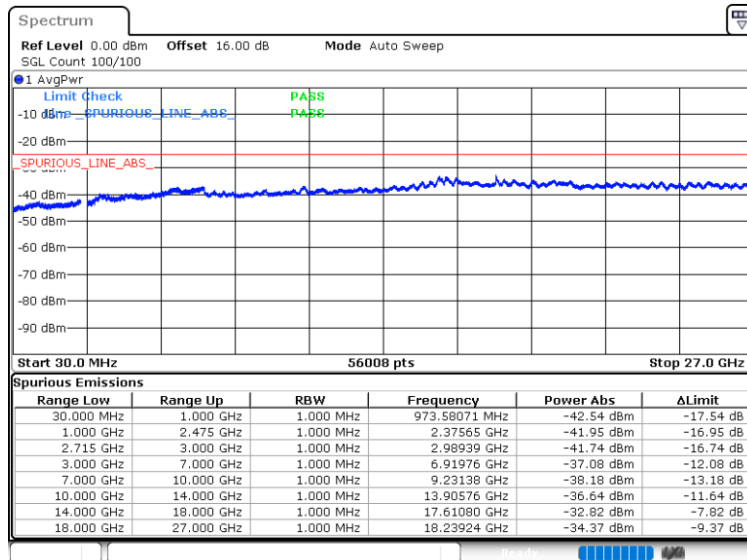
Date: 21.APR.2022 20:00:53

## Middle Channel / QPSK



Date: 21.APR.2022 20:02:06

## Highest Channel / QPSK

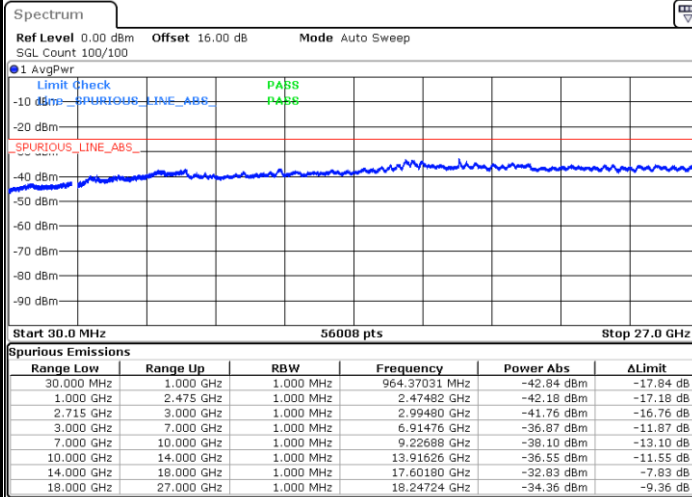


Date: 21.APR.2022 20:03:20



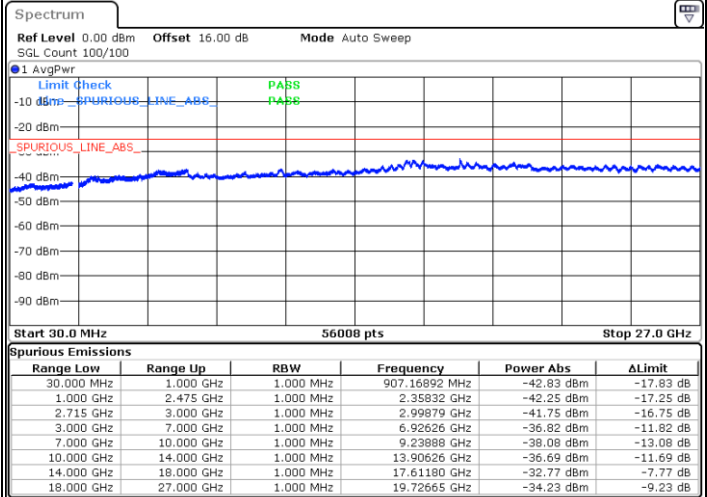
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



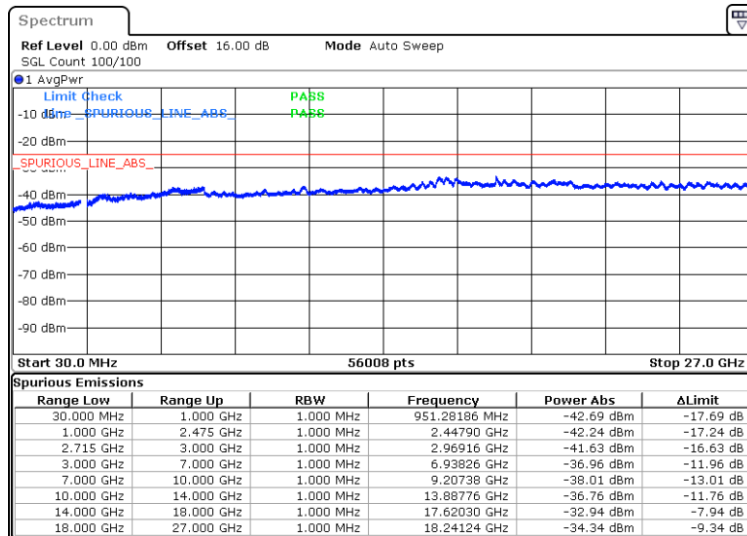
Date: 21.APR.2022 20:17:33

## Middle Channel / QPSK



Date: 21.APR.2022 20:18:46

## Highest Channel / QPSK

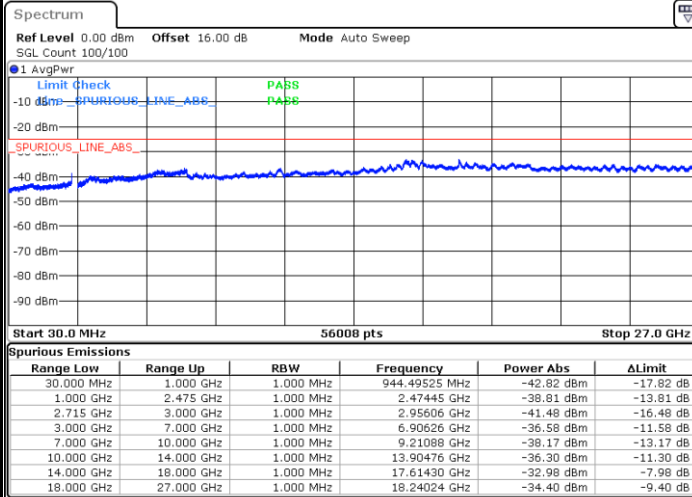


Date: 21.APR.2022 20:19:59



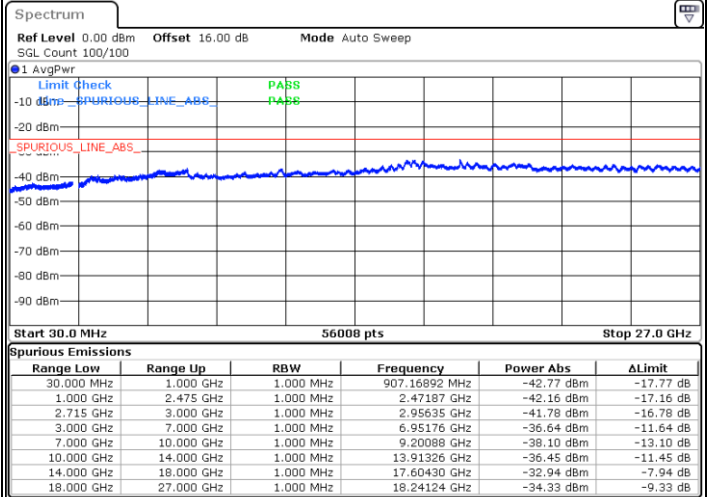
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK



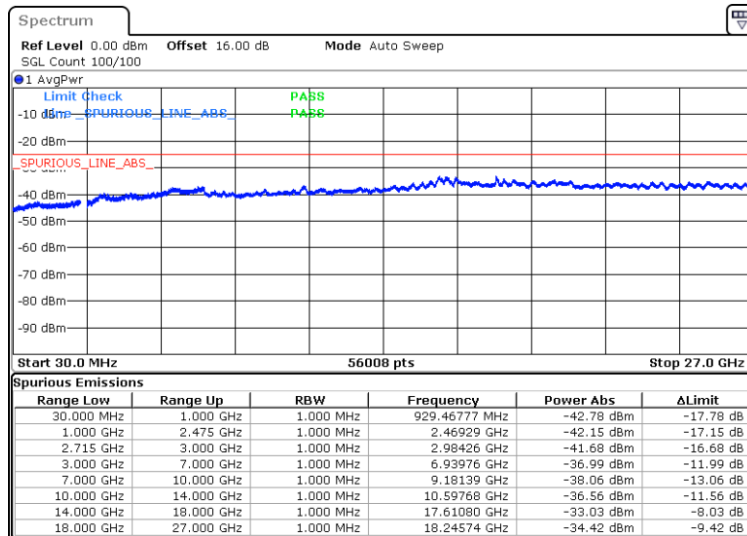
Date: 21.APR.2022 20:33:52

## Middle Channel / QPSK



Date: 21.APR.2022 20:35:05

## Highest Channel / QPSK



Date: 21.APR.2022 20:36:17

## Frequency Stability

| Test Conditions     |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation (ppm)                     | Result  |
| 50                  | Normal Voltage    | 0.0001                              | PASS    |
| 40                  | Normal Voltage    | 0.0014                              |         |
| 30                  | Normal Voltage    | 0.0044                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0032                              |         |
| 0                   | Normal Voltage    | 0.0019                              |         |
| -10                 | Normal Voltage    | 0.0032                              |         |
| -20                 | Normal Voltage    | 0.0047                              |         |
| -30                 | Normal Voltage    | 0.0013                              |         |
| 20                  | Maximum Voltage   | 0.0035                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Battery End Point | 0.0047                              |         |

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 41C

## 26dB Bandwidth

| Mode      | LTE Band 41C : 26dB BW(MHz) |             |             |             |             |
|-----------|-----------------------------|-------------|-------------|-------------|-------------|
| QPSK      |                             |             |             |             |             |
| BW        | 5MHz+20MHz                  | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 23.68                       | 25.18       | 29.85       | 25.23       | 30.51       |
| BW        | 15MHz+20MHz                 | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 35.18                       | 25.03       | 29.85       | 34.97       | 39.80       |

| Mode      | LTE Band 41C : 26dB BW(MHz) |             |             |             |             |
|-----------|-----------------------------|-------------|-------------|-------------|-------------|
| 16QAM     |                             |             |             |             |             |
| BW        | 5MHz+20MHz                  | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 23.58                       | 25.08       | 29.85       | 25.28       | 30.57       |
| BW        | 15MHz+20MHz                 | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 35.25                       | 24.88       | 29.91       | 34.90       | 39.96       |

| Mode      | LTE Band 41C : 26dB BW(MHz) |             |             |             |             |
|-----------|-----------------------------|-------------|-------------|-------------|-------------|
| 64QAM     |                             |             |             |             |             |
| BW        | 5MHz+20MHz                  | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 23.68                       | 25.23       | 29.85       | 25.23       | 30.45       |
| BW        | 15MHz+20MHz                 | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 34.69                       | 25.03       | 29.97       | 34.97       | 40.12       |

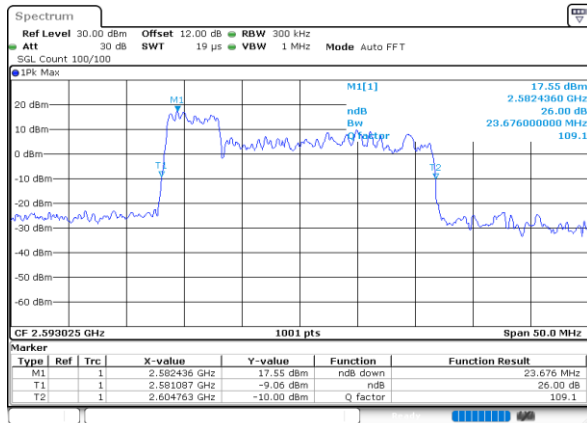
| Mode      | LTE Band 41C : 26dB BW(MHz) |             |             |             |             |
|-----------|-----------------------------|-------------|-------------|-------------|-------------|
| 256QAM    |                             |             |             |             |             |
| BW        | 5MHz+20MHz                  | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 23.53                       | 25.23       | 30.09       | 25.03       | 30.51       |
| BW        | 15MHz+20MHz                 | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 34.83                       | 24.93       | 30.15       | 34.83       | 39.80       |



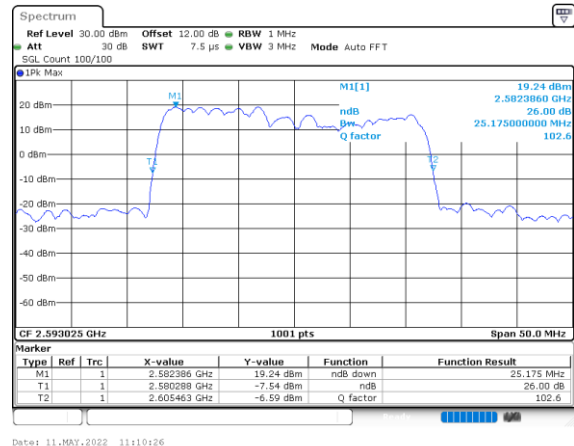
## LTE Band 41C

## QPSK

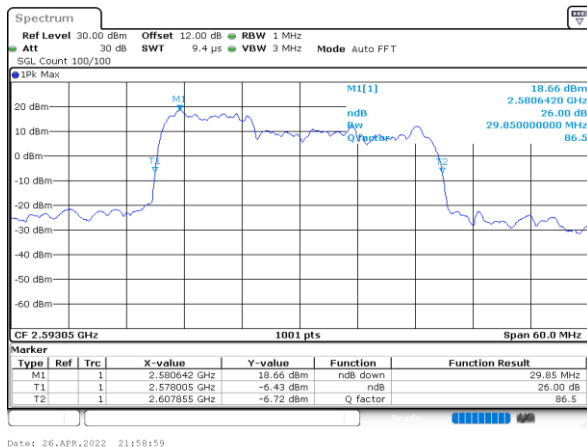
## Middle Channel / 5MHz+20MHz



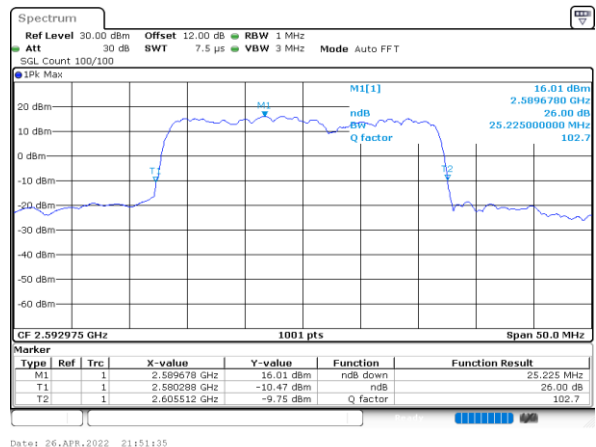
## Middle Channel / 10MHz+15MHz



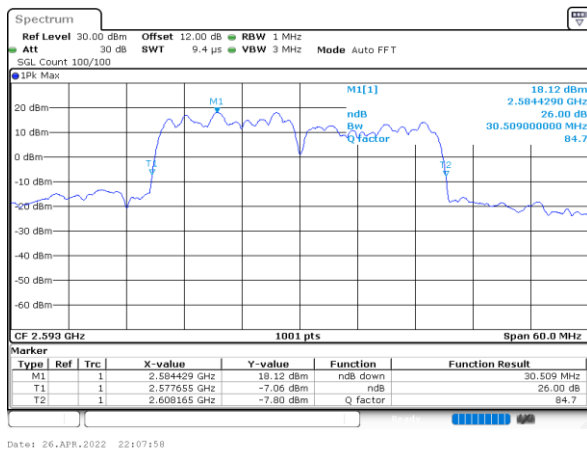
## Middle Channel / 10MHz+20MHz



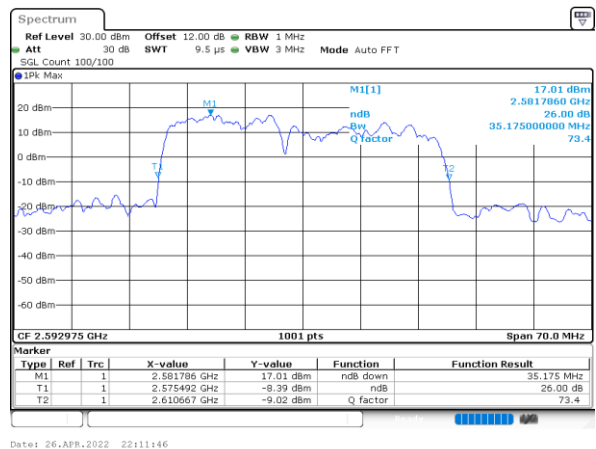
## Middle Channel / 15MHz+10MHz



## Middle Channel / 15MHz+15MHz



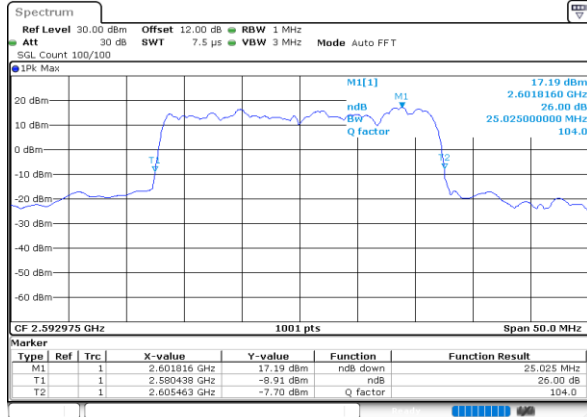
## Middle Channel / 15MHz+20MHz



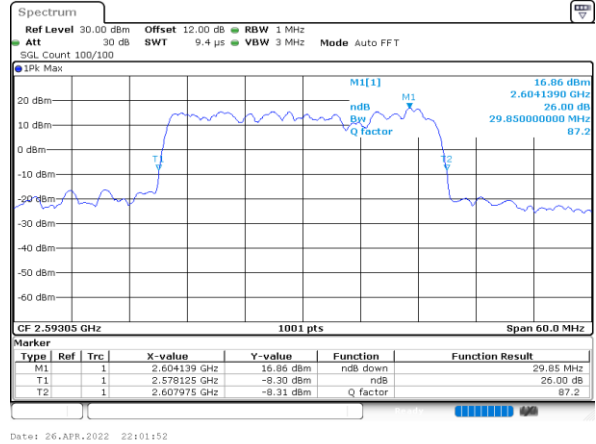


## LTE Band 41C

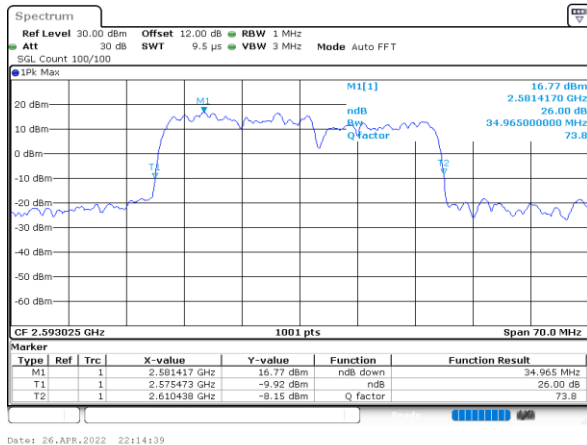
## Middle Channel / 20MHz+5MHz



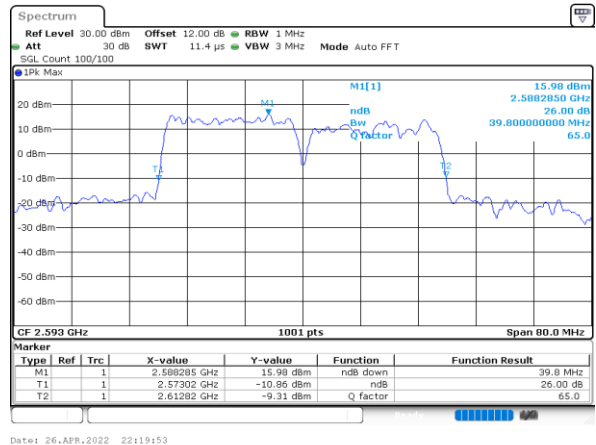
## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz

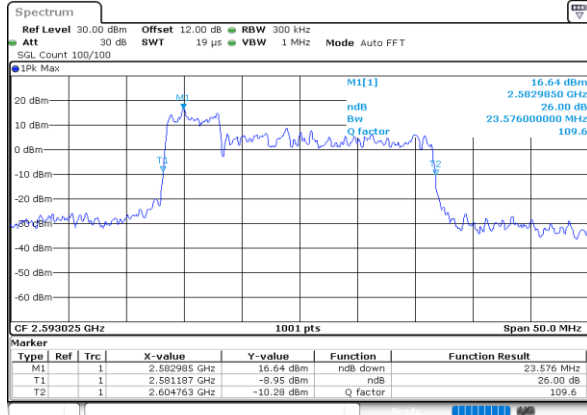


## Middle Channel / 20MHz+20MHz

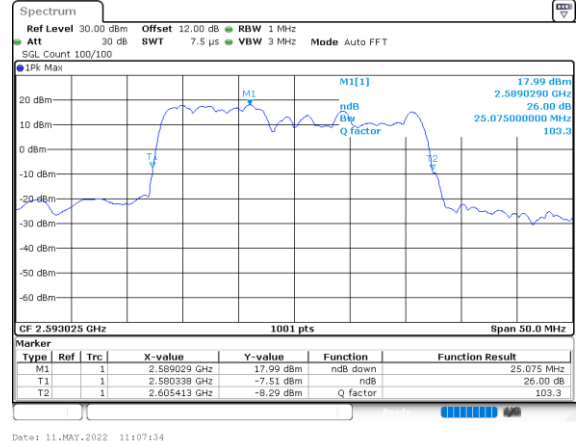


### LTE Band 41C

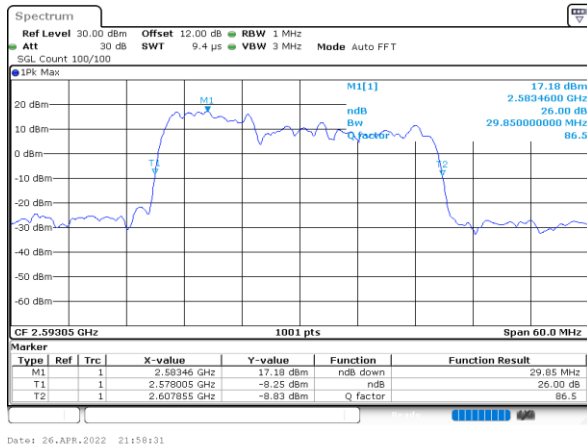
#### Middle Channel / 5MHz+20MHz



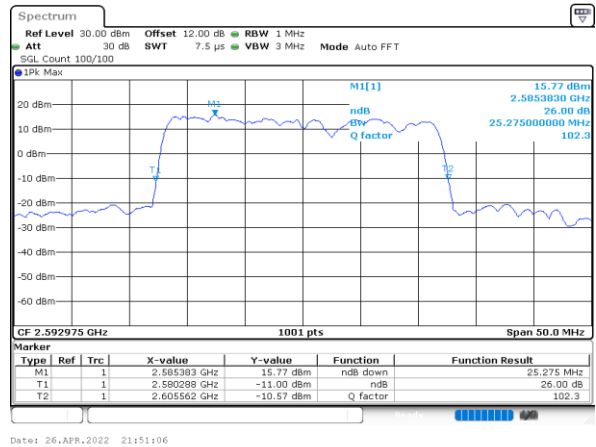
#### Middle Channel / 10MHz+15MHz



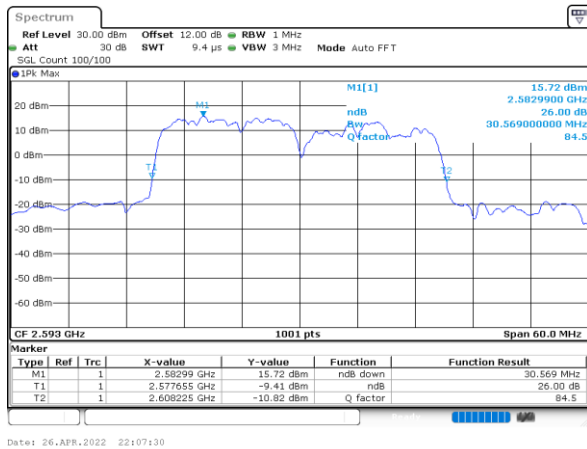
#### Middle Channel / 10MHz+20MHz



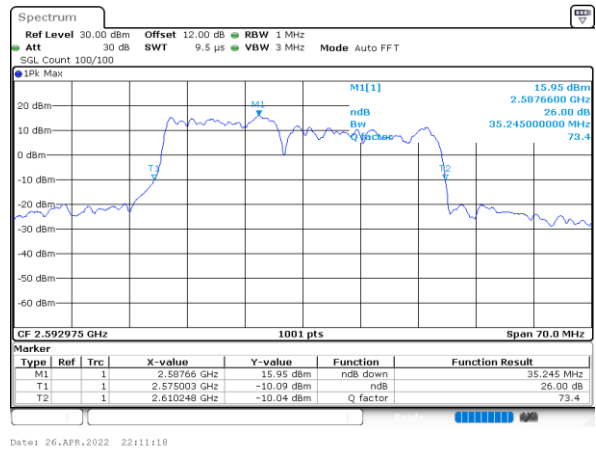
#### Middle Channel / 15MHz+10MHz



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



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

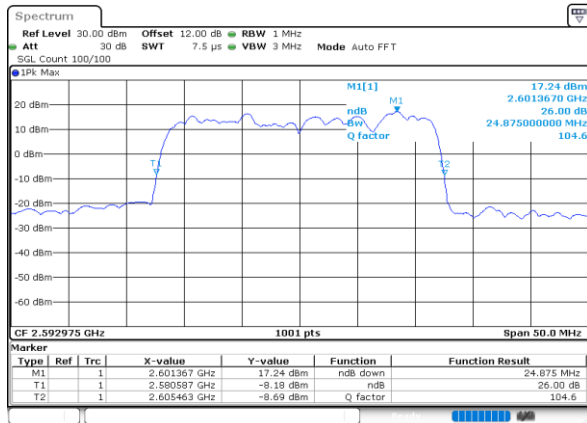




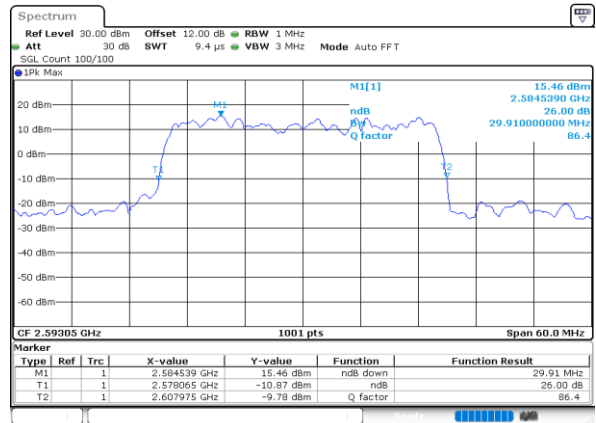
## LTE Band 41C

## 16QAM

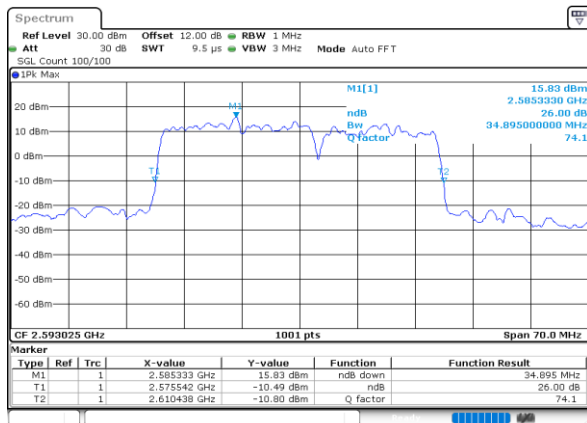
## Middle Channel / 20MHz+5MHz



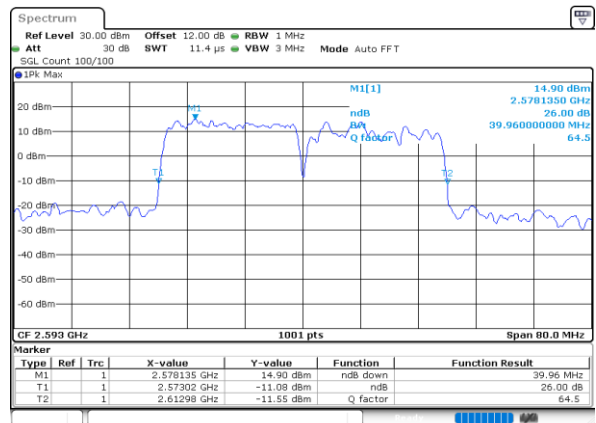
## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



## Middle Channel / 20MHz+20MHz

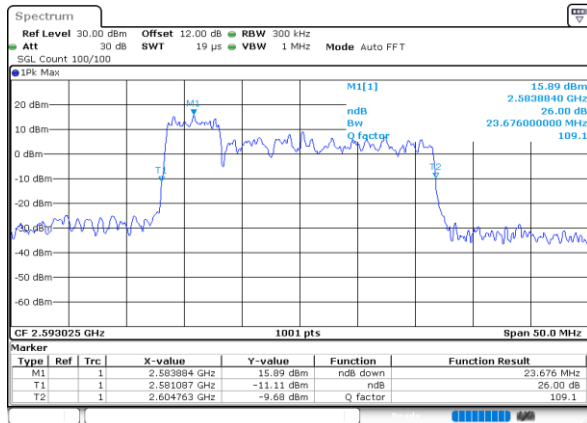




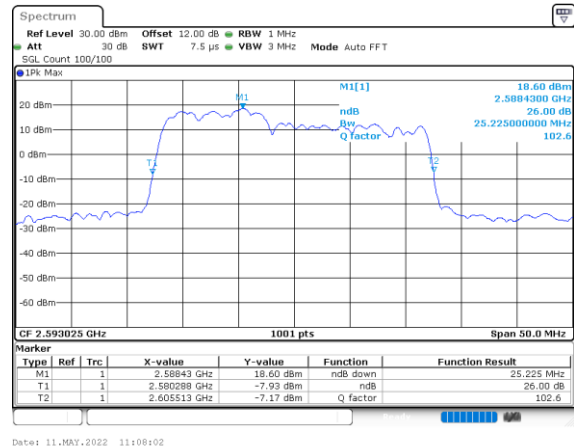
## LTE Band 41C

## 64QAM

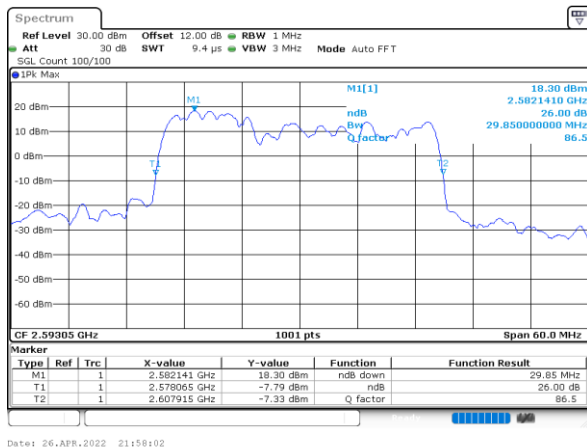
## Middle Channel / 5MHz+20MHz



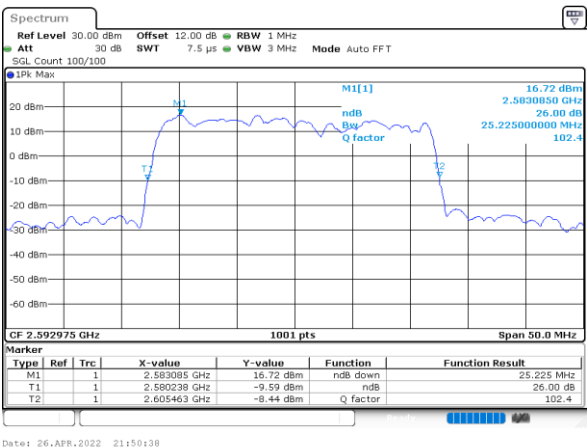
## Middle Channel / 10MHz+15MHz



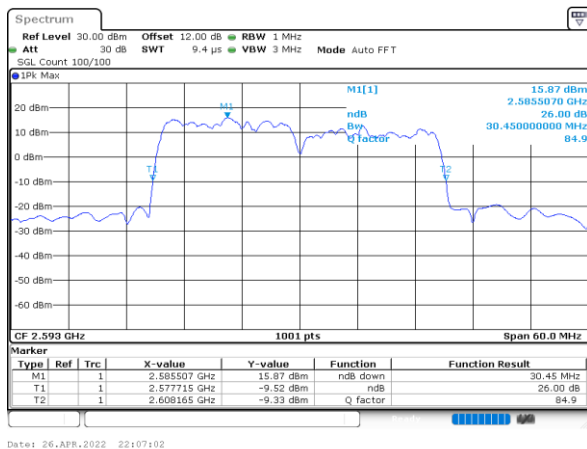
## Middle Channel / 10MHz+20MHz



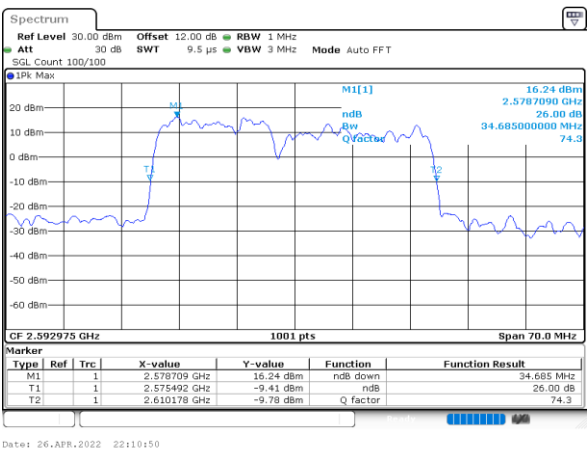
## Middle Channel / 15MHz+10MHz



## Middle Channel / 15MHz+15MHz



## Middle Channel / 15MHz+20MHz

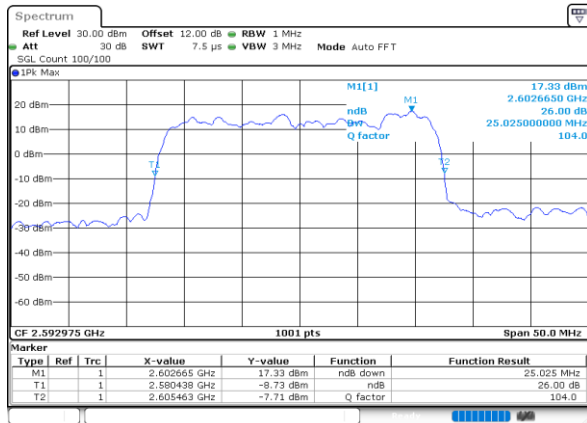




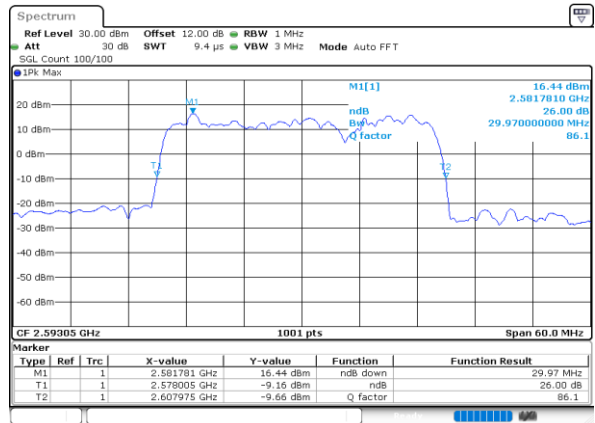
## LTE Band 41C

## 64QAM

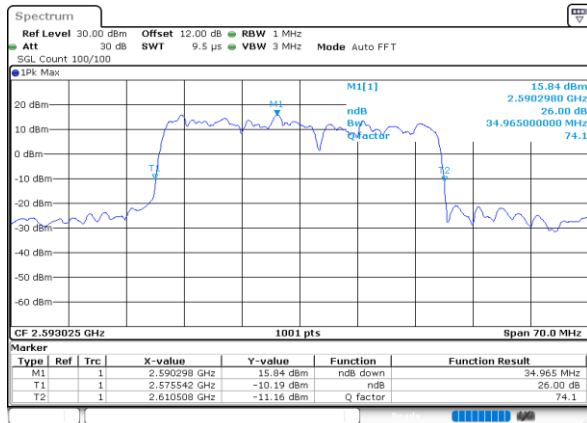
## Middle Channel / 20MHz+5MHz



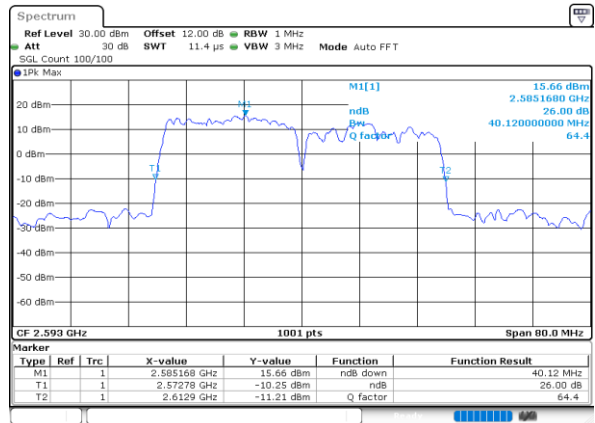
## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



## Middle Channel / 20MHz+20MHz

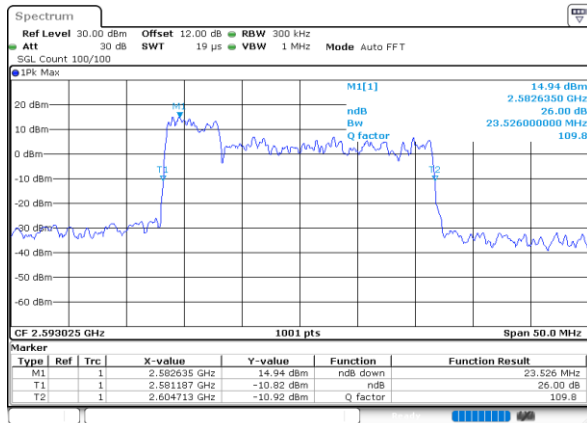




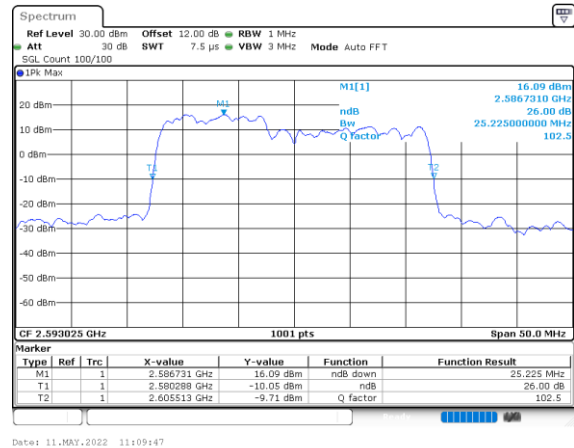
## LTE Band 41C

## 256QAM

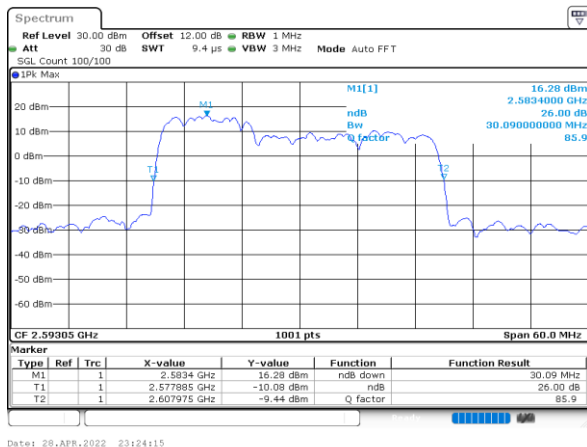
## Middle Channel / 5MHz+20MHz



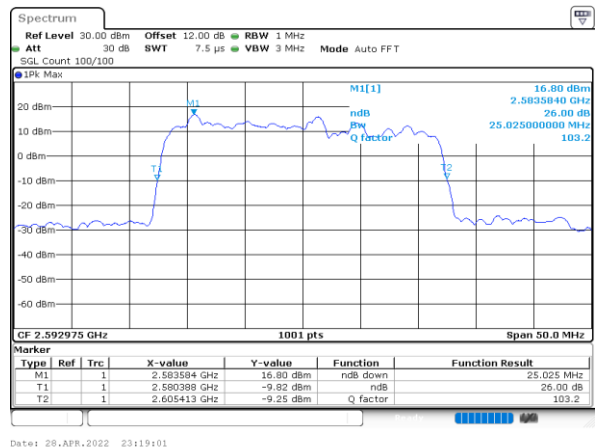
## Middle Channel / 10MHz+15MHz



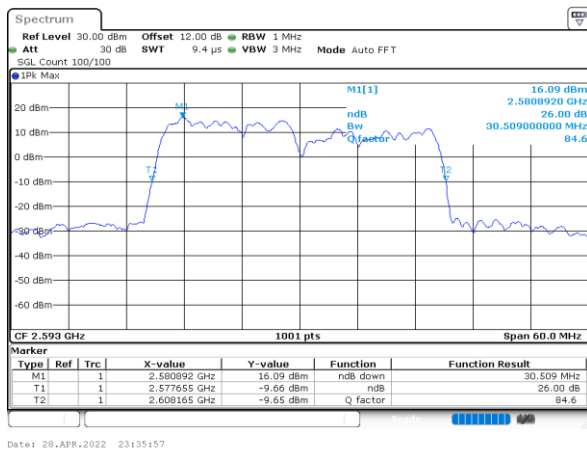
## Middle Channel / 10MHz+20MHz



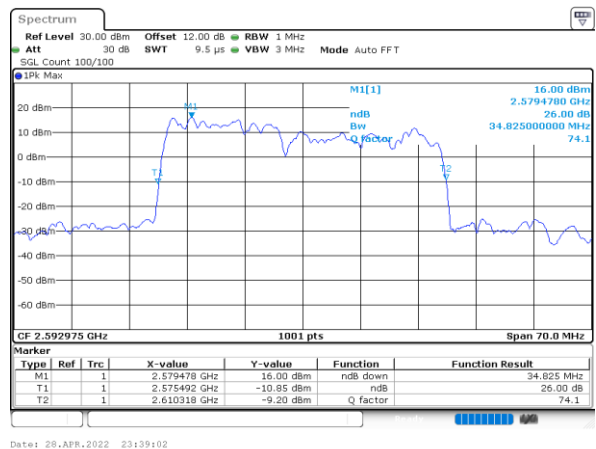
## Middle Channel / 15MHz+10MHz



## Middle Channel / 15MHz+15MHz



## Middle Channel / 15MHz+20MHz

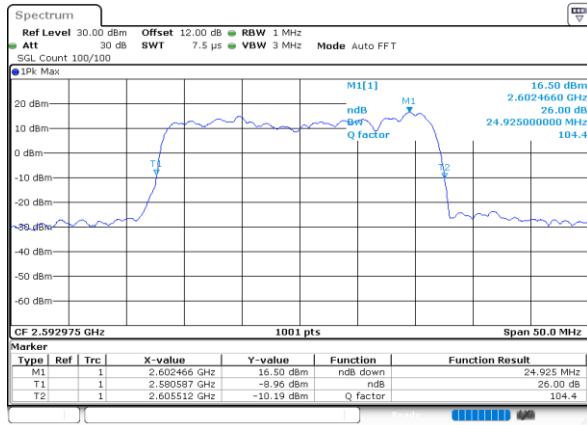




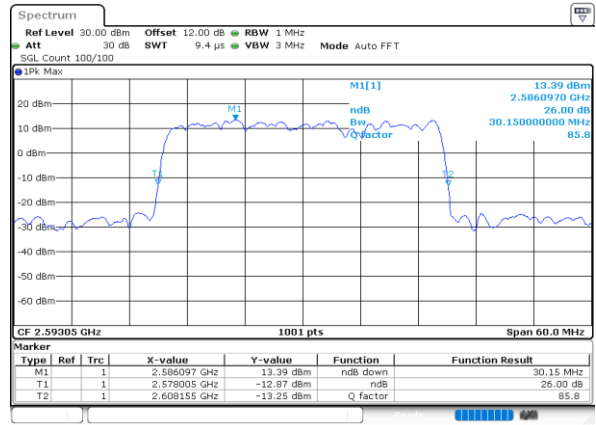
## LTE Band 41C

## 256QAM

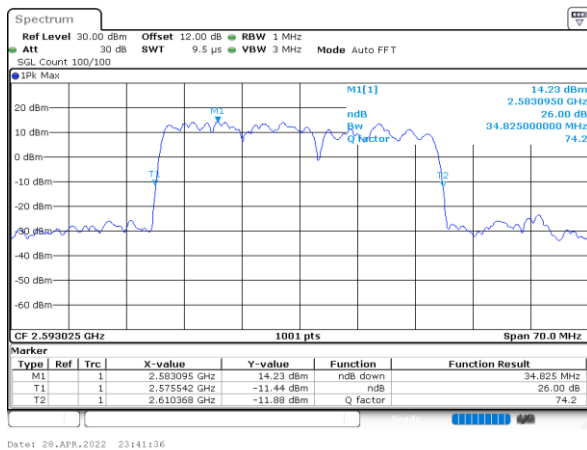
## Middle Channel / 20MHz+5MHz



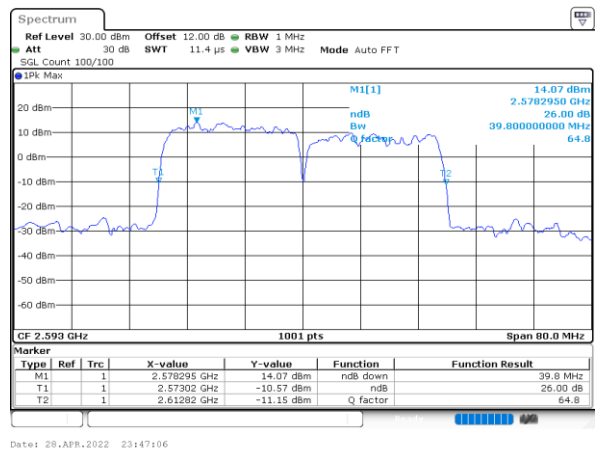
## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



## Middle Channel / 20MHz+20MHz



**Occupied Bandwidth**

| Mode      | LTE Band 41C : 99%OBW(MHz) |             |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|-------------|
| QPSK      |                            |             |             |             |             |
| BW        | 5MHz+20MHz                 | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 22.93                      | 23.08       | 28.11       | 23.43       | 28.65       |
| BW        | 15MHz+20MHz                | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 32.80                      | 23.48       | 27.93       | 32.66       | 37.80       |

| Mode      | LTE Band 41C : 99%OBW(MHz) |             |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|-------------|
| 16QAM     |                            |             |             |             |             |
| BW        | 5MHz+20MHz                 | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 22.63                      | 23.03       | 27.93       | 23.43       | 28.41       |
| BW        | 15MHz+20MHz                | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 32.66                      | 23.43       | 28.05       | 32.87       | 37.72       |

| Mode      | LTE Band 41C : 99%OBW(MHz) |             |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|-------------|
| 64QAM     |                            |             |             |             |             |
| BW        | 5MHz+20MHz                 | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 22.73                      | 23.08       | 28.29       | 23.28       | 28.65       |
| BW        | 15MHz+20MHz                | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 32.52                      | 23.28       | 27.99       | 32.87       | 37.96       |

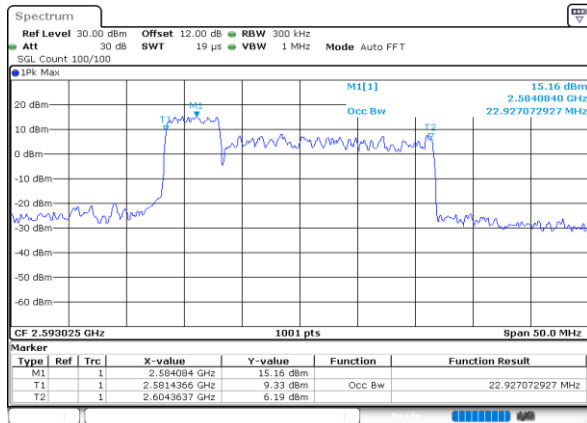
| Mode      | LTE Band 41C : 99%OBW(MHz) |             |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|-------------|
| 256QAM    |                            |             |             |             |             |
| BW        | 5MHz+20MHz                 | 10MHz+15MHz | 10MHz+20MHz | 15MHz+10MHz | 15MHz+15MHz |
| Middle CH | 22.53                      | 22.98       | 28.11       | 23.43       | 28.35       |
| BW        | 15MHz+20MHz                | 20MHz+5MHz  | 20MHz+10MHz | 20MHz+15MHz | 20MHz+20MHz |
| Middle CH | 32.73                      | 23.43       | 27.87       | 33.01       | 37.48       |



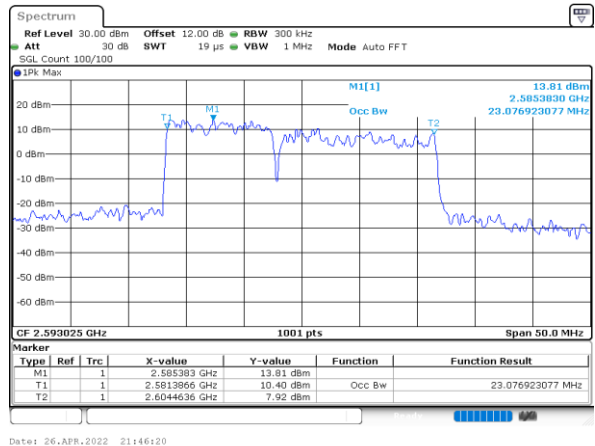
## LTE Band 41C

## QPSK

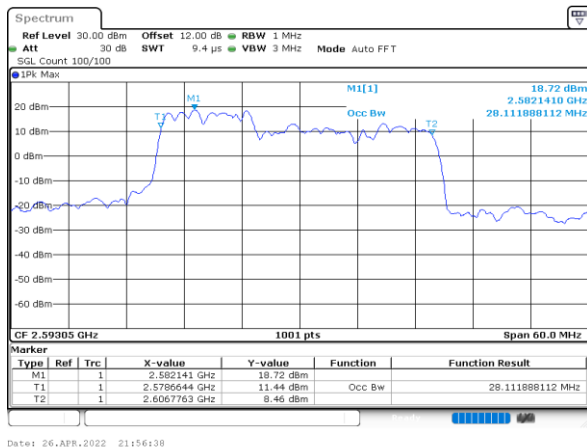
## Middle Channel / 5MHz+20MHz



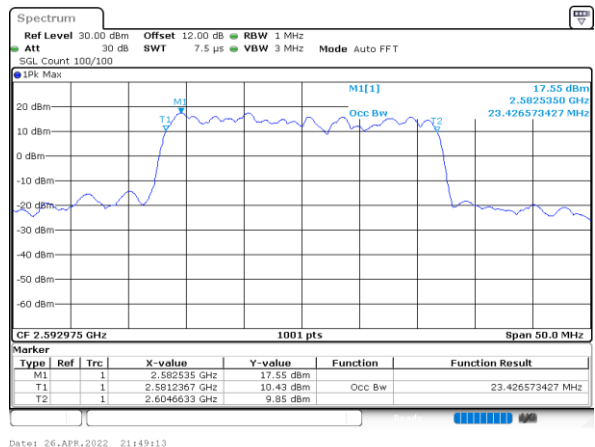
## Middle Channel / 10MHz+15MHz



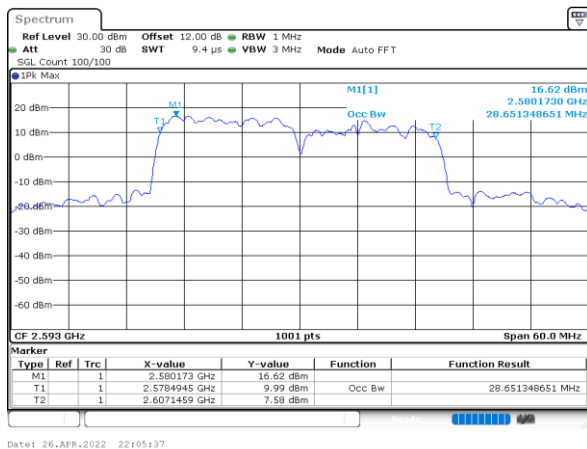
## Middle Channel / 10MHz+20MHz



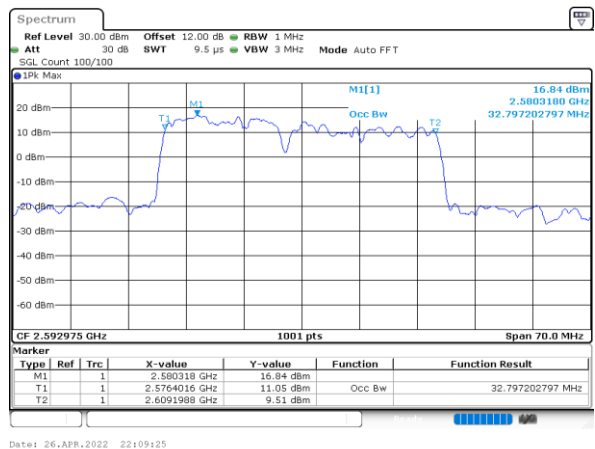
## Middle Channel / 15MHz+10MHz



## Middle Channel / 15MHz+15MHz



## Middle Channel / 15MHz+20MHz

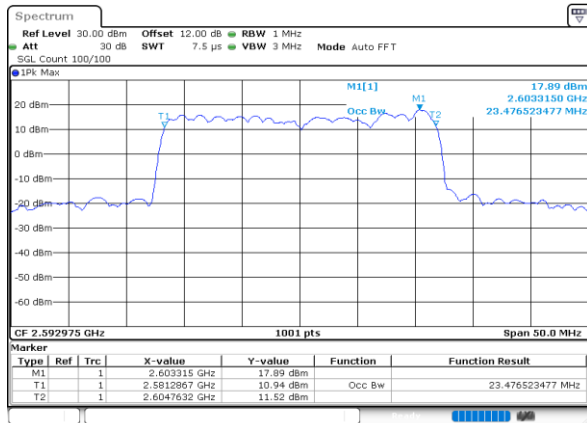




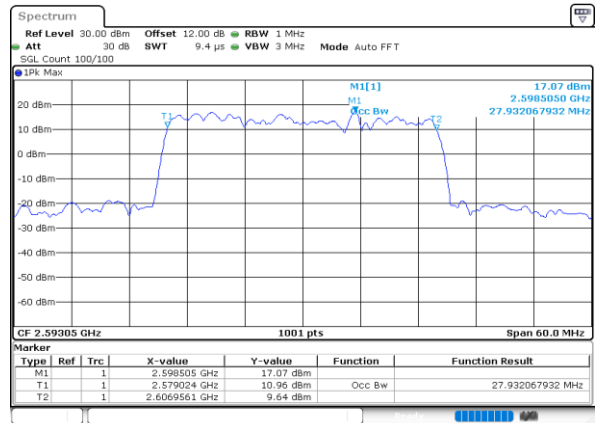
## LTE Band 41C

## QPSK

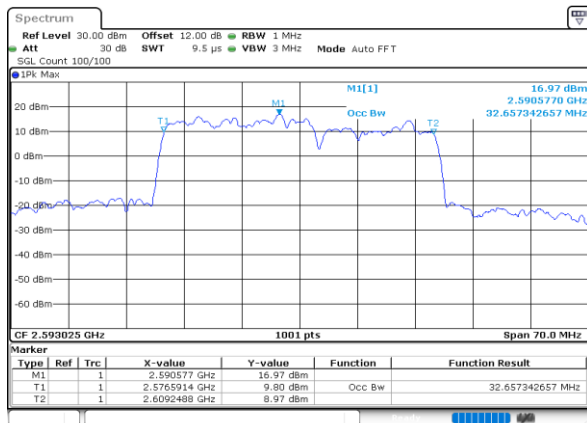
## Middle Channel / 20MHz+5MHz



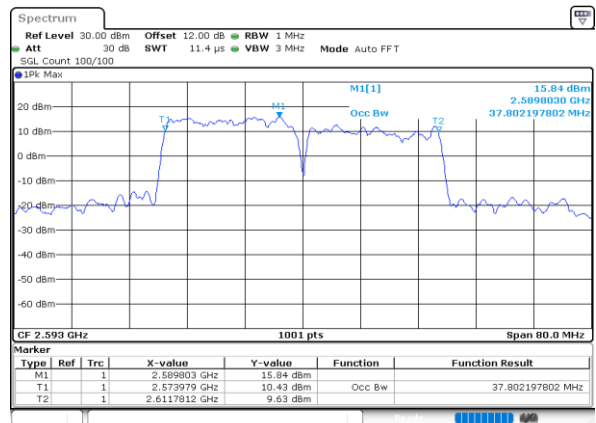
## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



## Middle Channel / 20MHz+20MHz

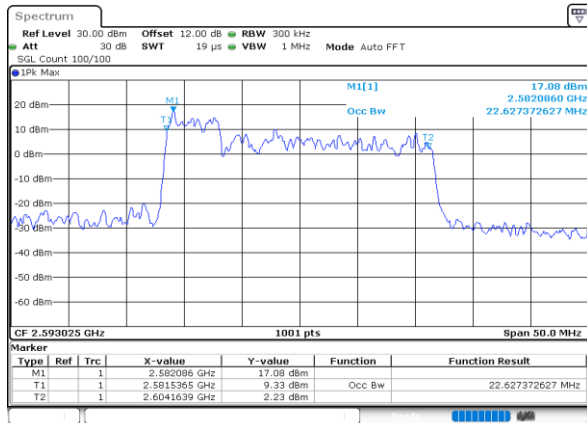




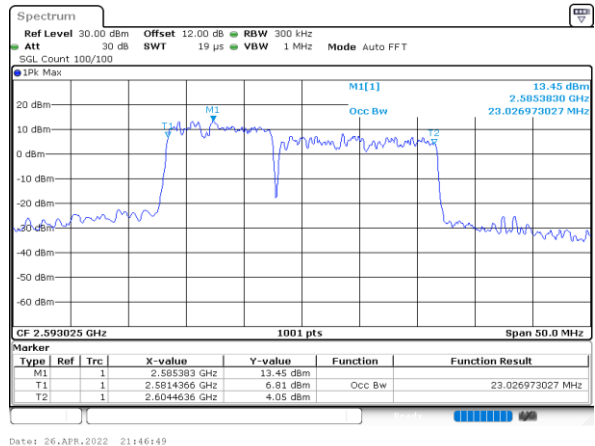
## LTE Band 41C

## 16QAM

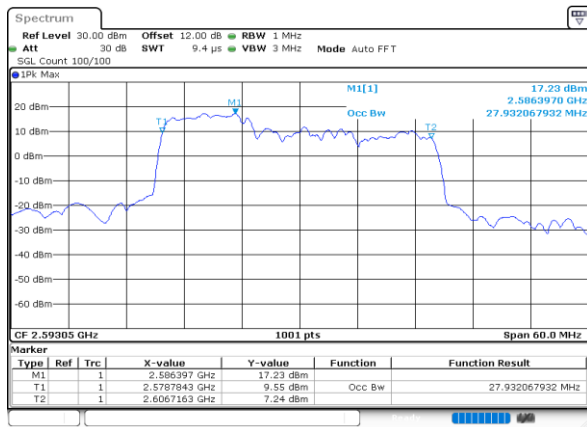
## Middle Channel / 5MHz+20MHz



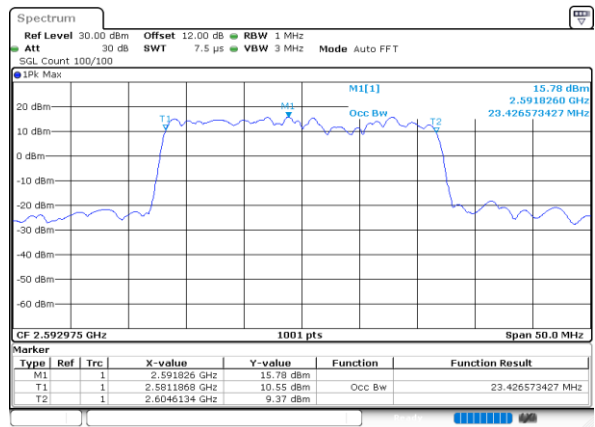
## Middle Channel / 10MHz+15MHz



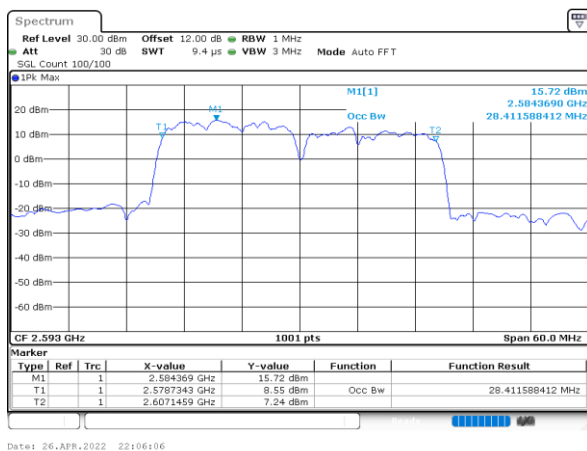
## Middle Channel / 10MHz+20MHz



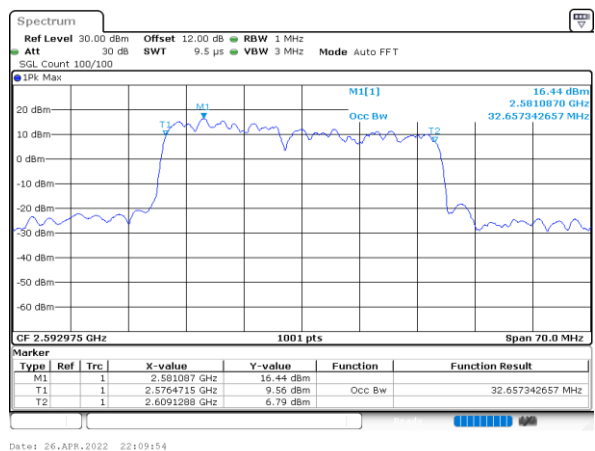
## Middle Channel / 15MHz+10MHz

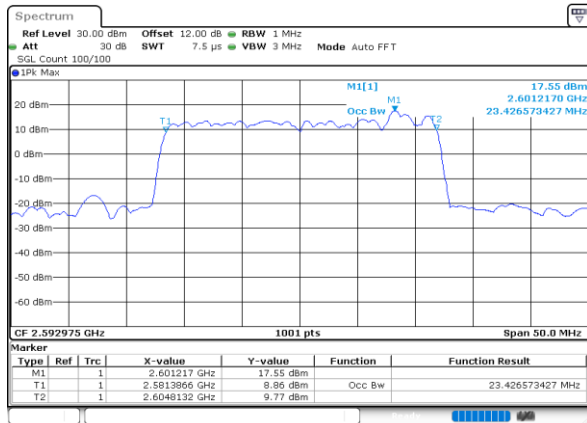
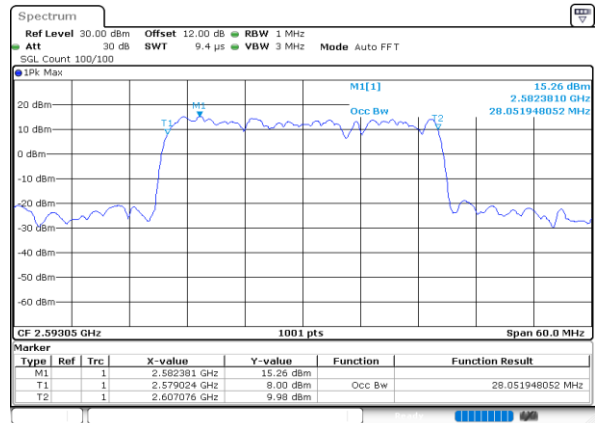
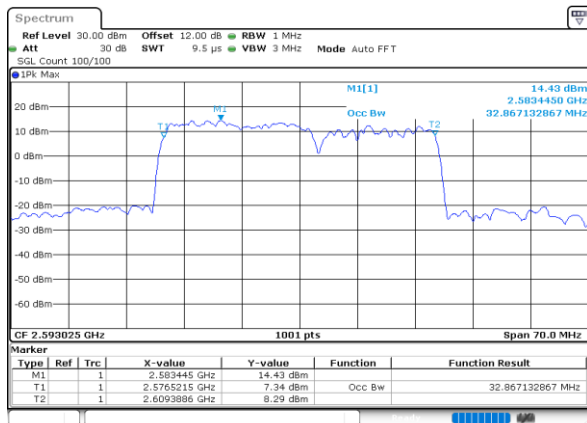


## Middle Channel / 15MHz+15MHz



## Middle Channel / 15MHz+20MHz



**LTE Band 41C**
**16QAM**
**Middle Channel / 20MHz+5MHz**

**Middle Channel / 20MHz+10MHz**

**Middle Channel / 20MHz+15MHz**

**Middle Channel / 20MHz+20MHz**
