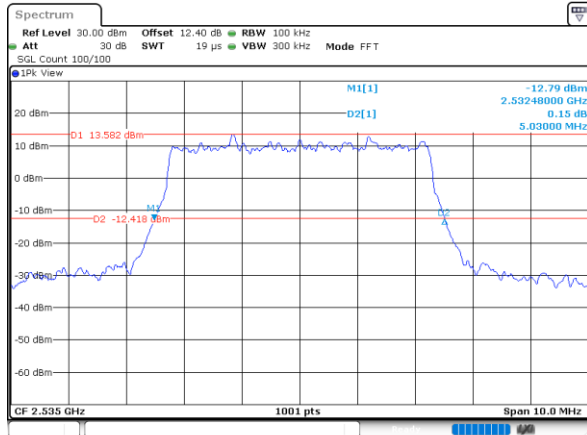


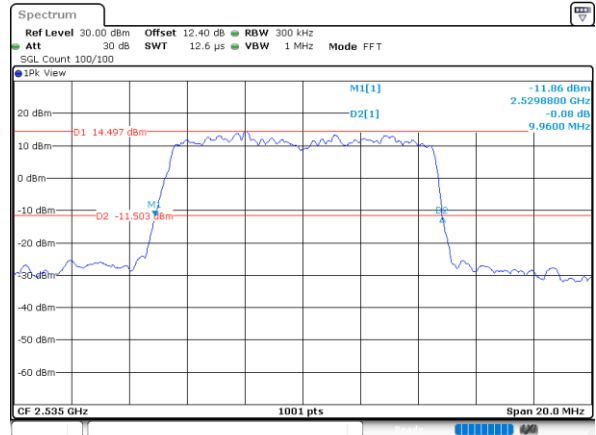


## LTE Band 7

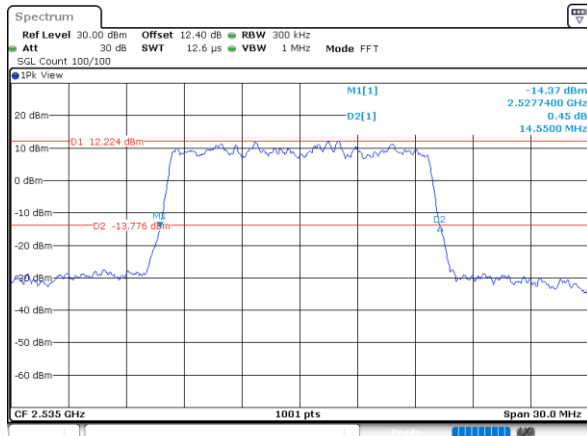
## Middle Channel / 5MHz / 256QAM



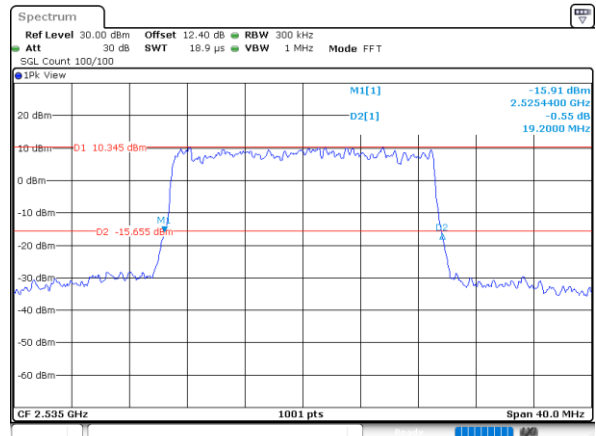
## Middle Channel / 10MHz / 256QAM



## Middle Channel / 15MHz / 256QAM



## Middle Channel / 20MHz / 256QAM



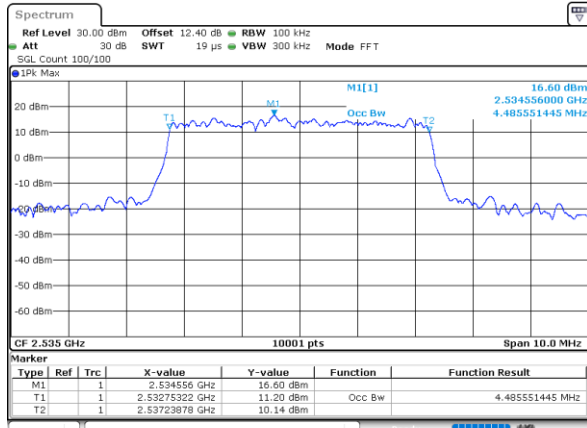
**Occupied Bandwidth**

| Mode      | LTE Band 7 : 99%OBW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
|-----------|--------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 1.4MHz                   |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                     | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | -                        | -      | -     | -      | 4.48  | 4.47   | 9.07  | 9.05   | 13.45 | 13.42  | 17.81 | 17.97  |
| Mode      | LTE Band 7 : 99%OBW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                   |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                    | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | -                        | -      | -     | -      | 4.49  | 4.48   | 9.05  | 9.01   | 13.51 | 13.42  | 17.91 | 17.85  |

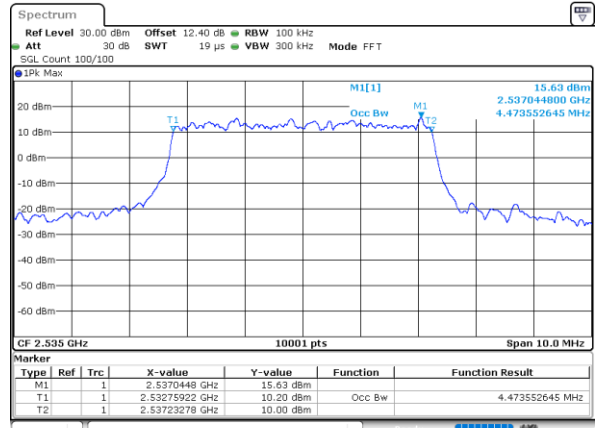


## LTE Band 7

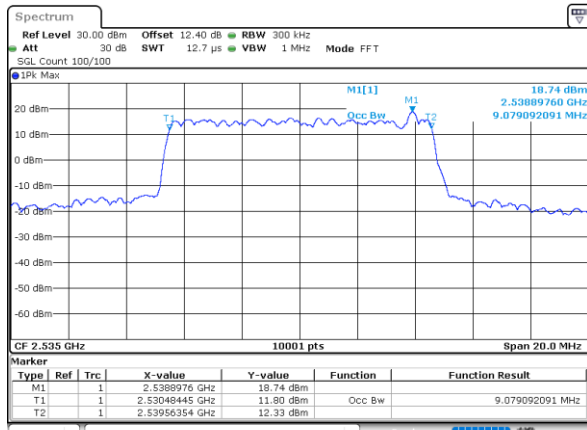
## Middle Channel / 5MHz / QPSK



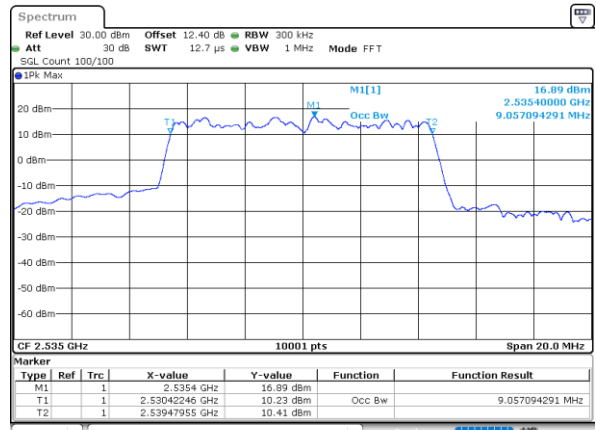
## Middle Channel / 5MHz / 16QAM



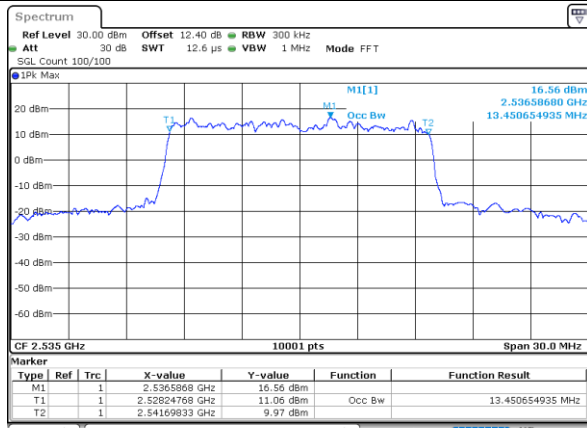
## Middle Channel / 10MHz / QPSK



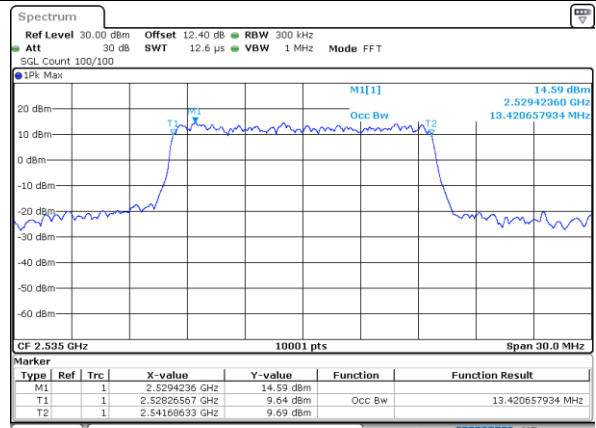
## Middle Channel / 10MHz / 16QAM



## Middle Channel / 15MHz / QPSK



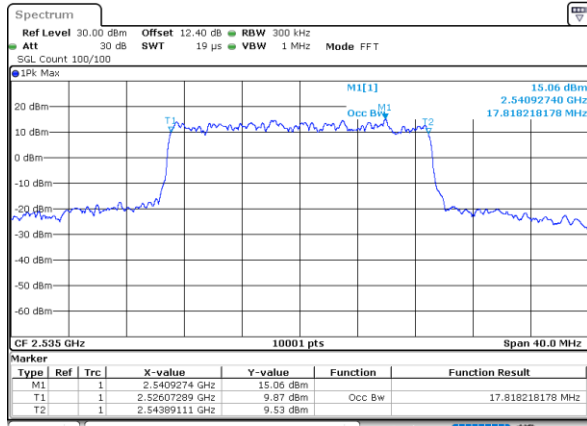
## Middle Channel / 15MHz / 16QAM





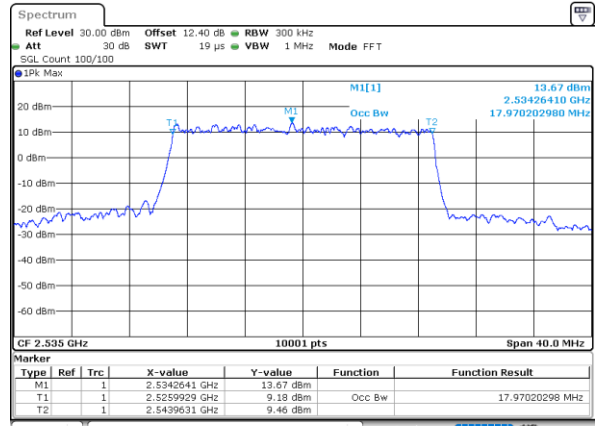
## LTE Band 7

## Middle Channel / 20MHz / QPSK



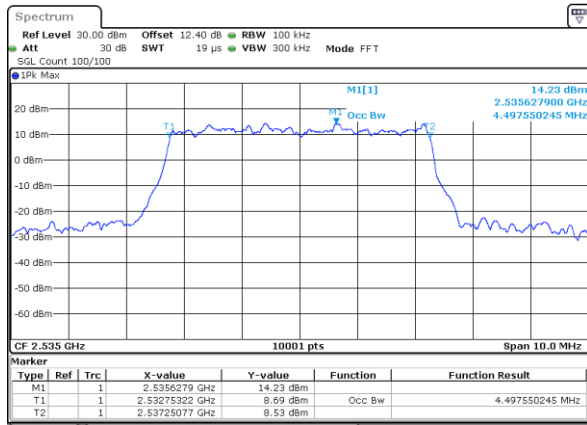
Date: 2.JUL.2025 16:22:20

## Middle Channel / 20MHz / 16QAM



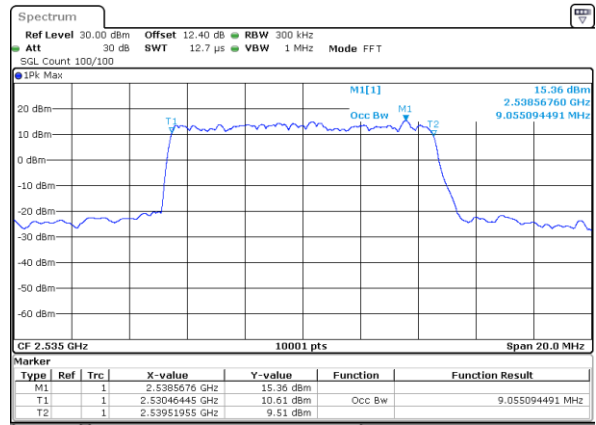
Date: 2.JUL.2025 16:22:42

## Middle Channel / 5MHz / 64QAM



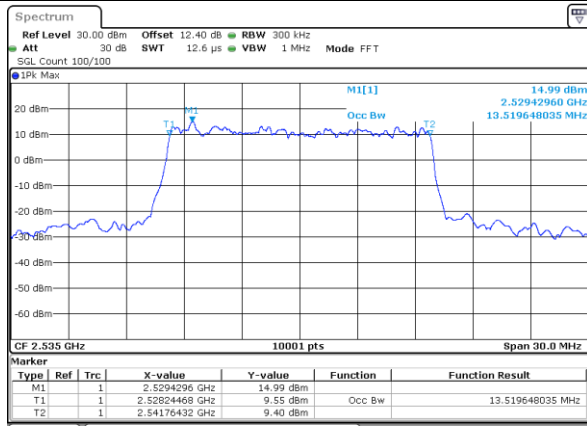
Date: 2.JUL.2025 16:18:29

## Middle Channel / 10MHz / 64QAM



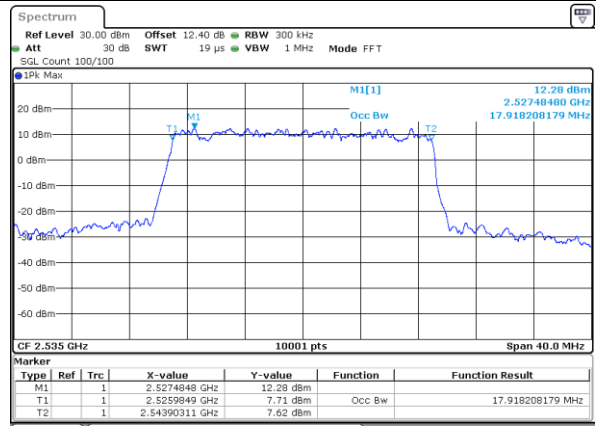
Date: 2.JUL.2025 16:20:01

## Middle Channel / 15MHz / 64QAM



Date: 2.JUL.2025 16:21:33

## Middle Channel / 20MHz / 64QAM

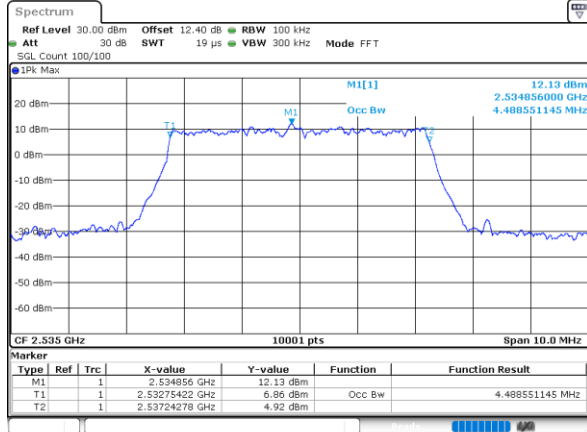


Date: 2.JUL.2025 16:23:05

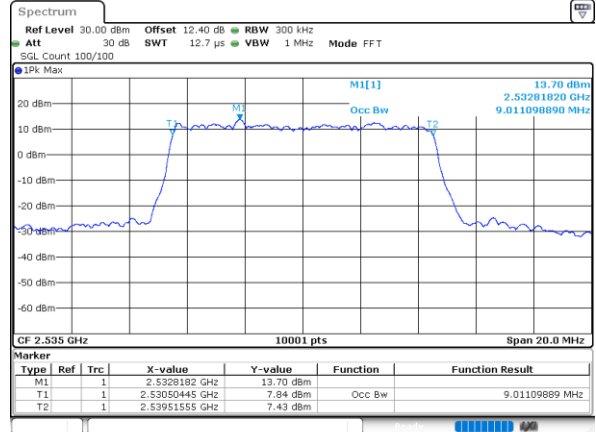


## LTE Band 7

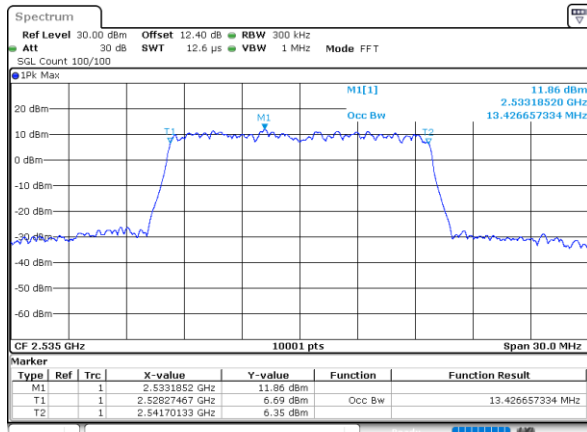
## Middle Channel / 5MHz / 256QAM



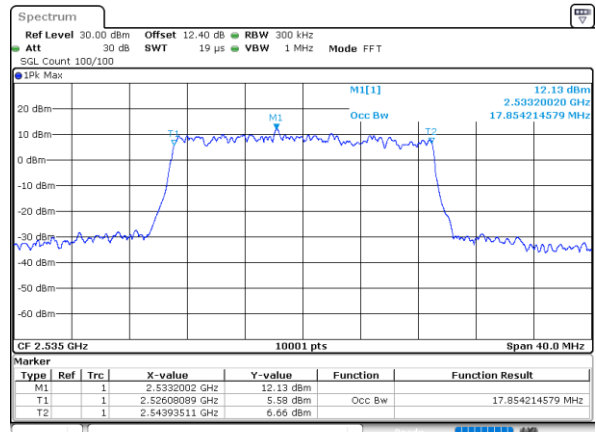
## Middle Channel / 10MHz / 256QAM



## Middle Channel / 15MHz / 256QAM



## Middle Channel / 20MHz / 256QAM

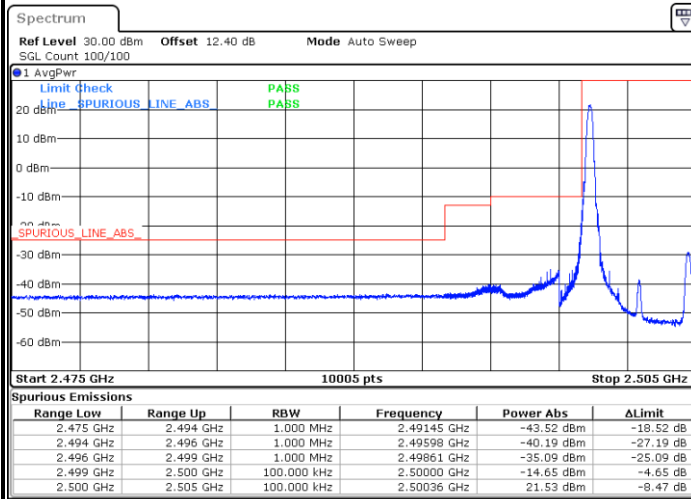




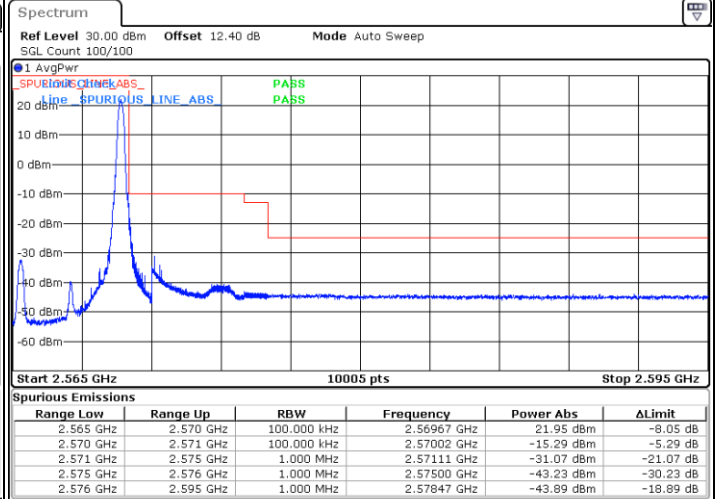
# Conducted Band Edge

## LTE Band 7 / 5MHz / QPSK

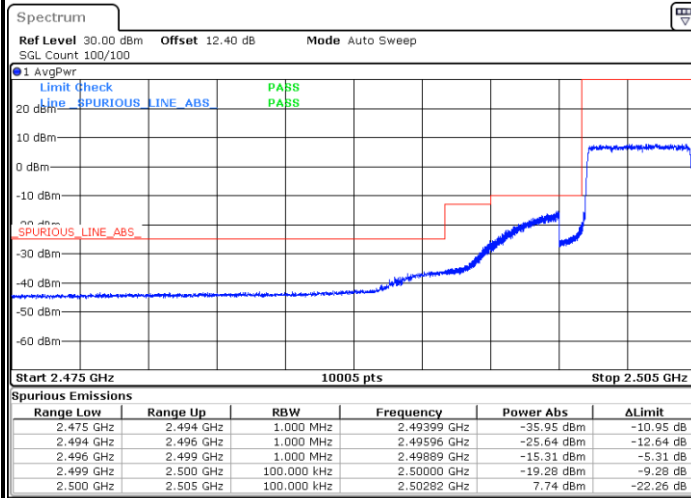
### Lowest Band Edge / 1 RB



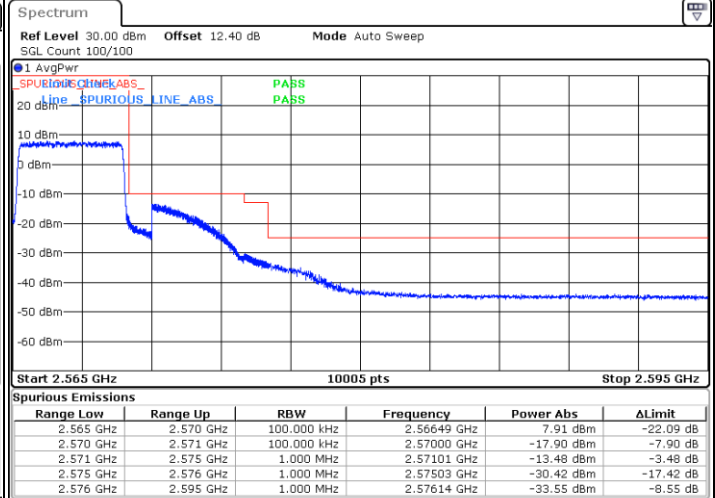
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB



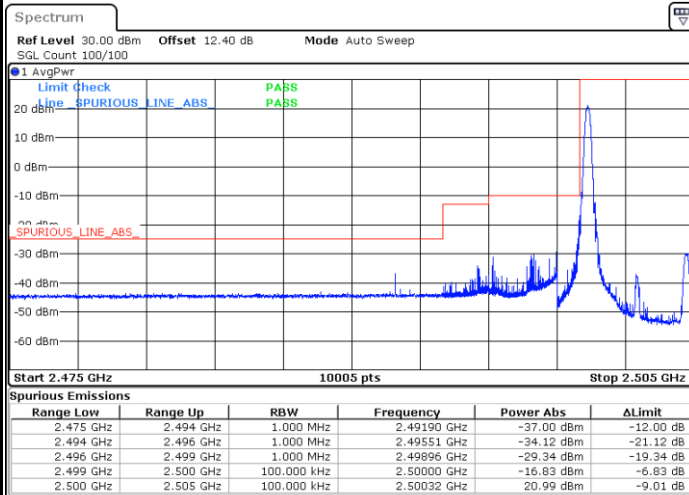
### Highest Band Edge / Full RB



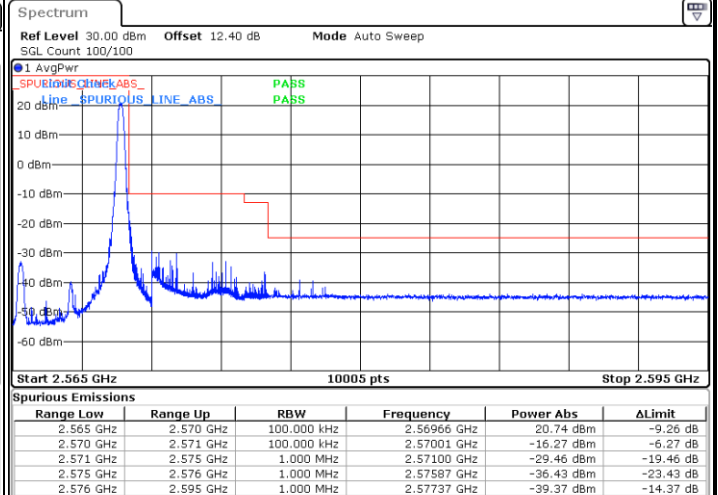


## LTE Band 7 / 5MHz / 16QAM

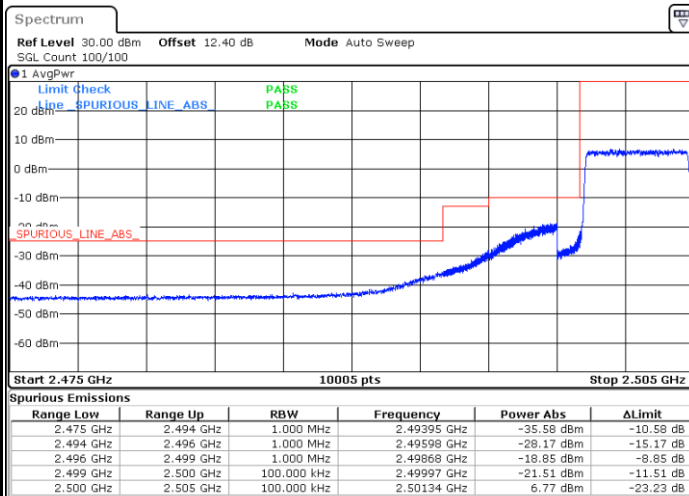
## Lowest Band Edge / 1RB



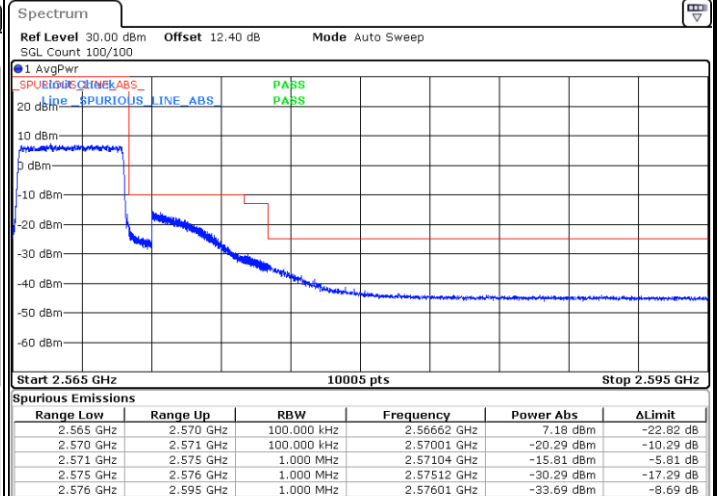
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



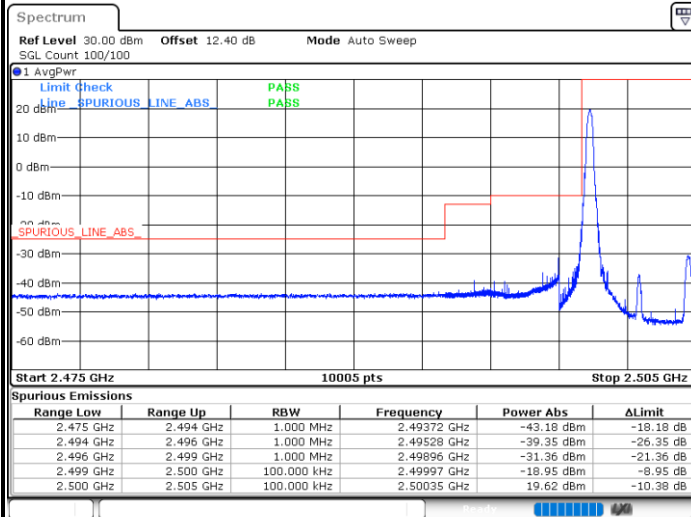
## Highest Band Edge / Full RB



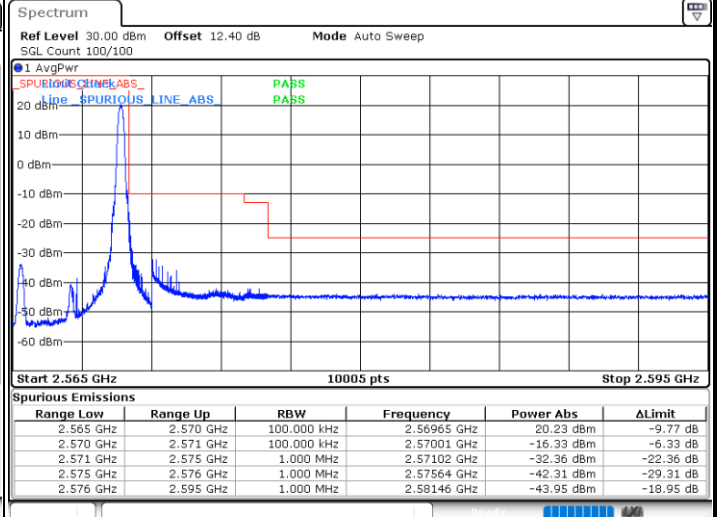


## LTE Band 7 / 5MHz / 64QAM

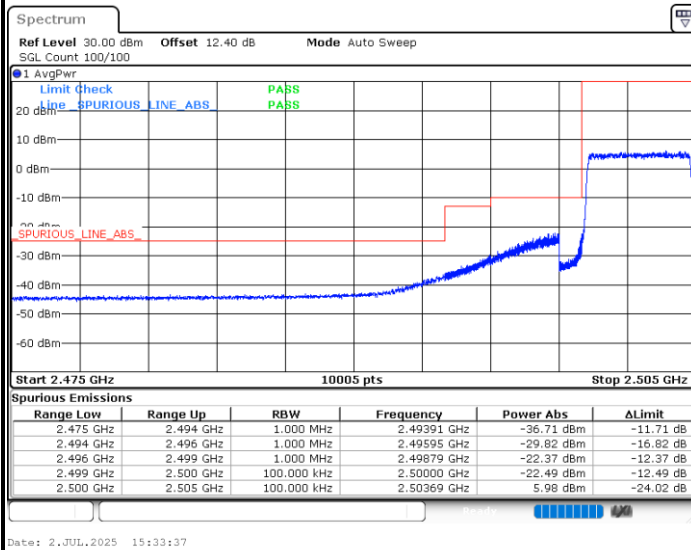
## Lowest Band Edge / 1RB



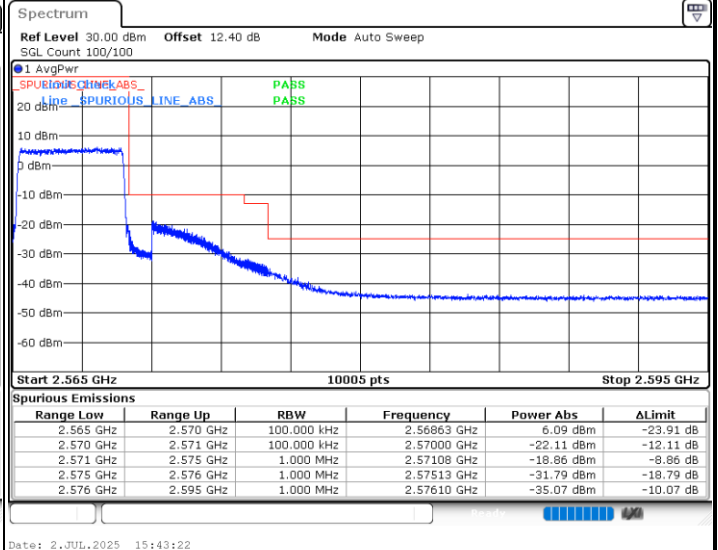
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



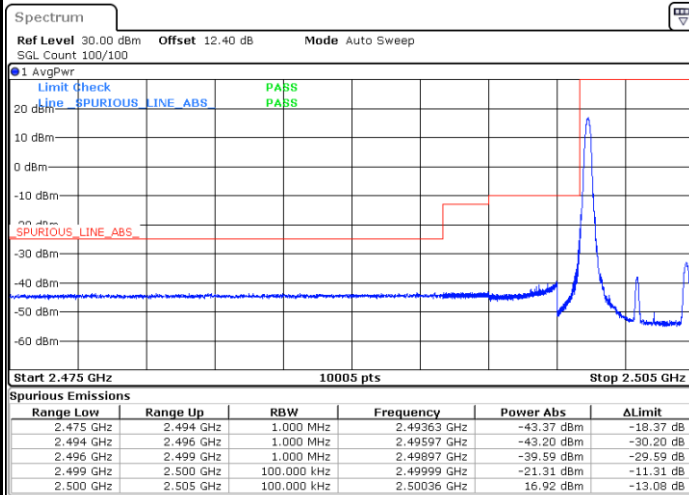
## Highest Band Edge / Full RB



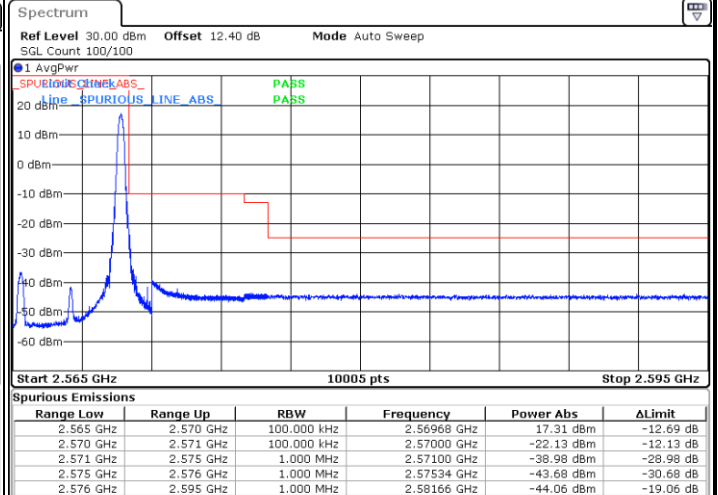


## LTE Band 7 / 5MHz / 256QAM

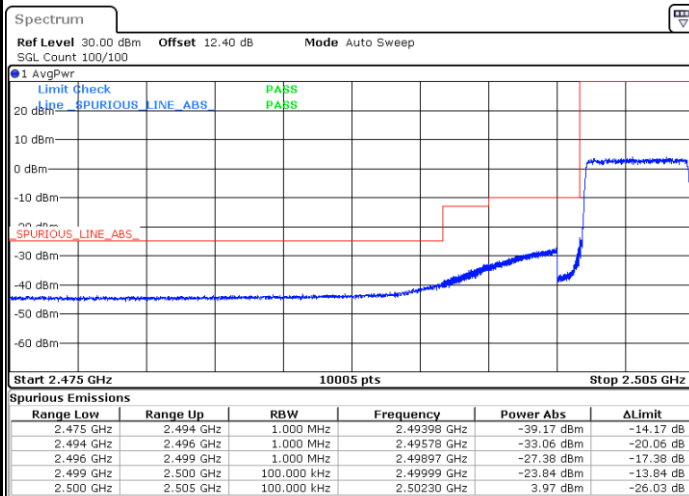
## Lowest Band Edge / 1RB



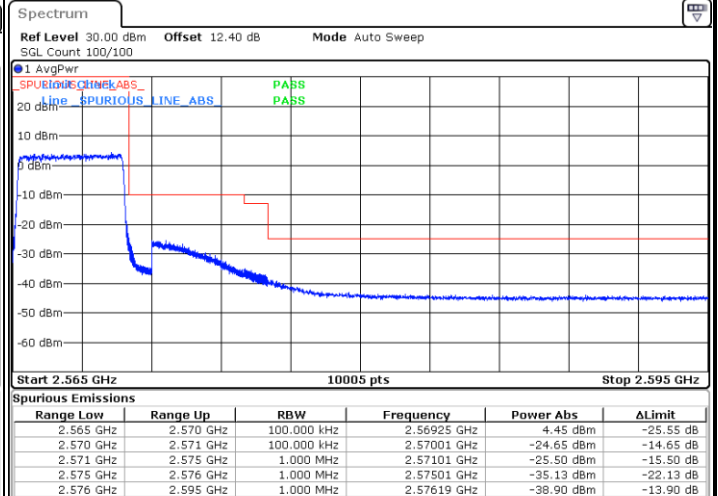
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



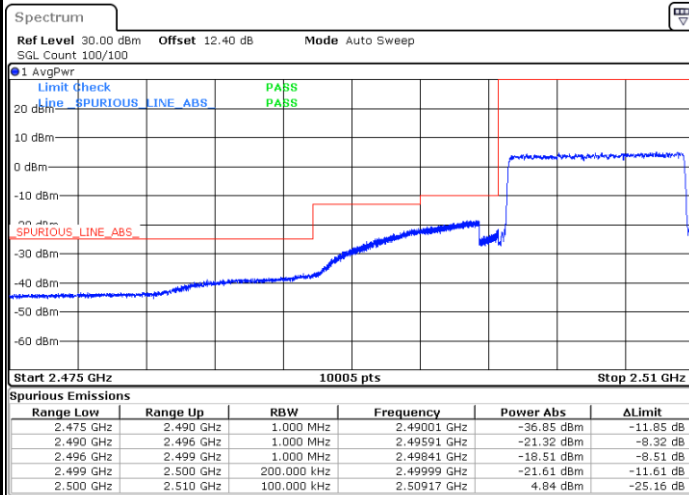
## Highest Band Edge / Full RB



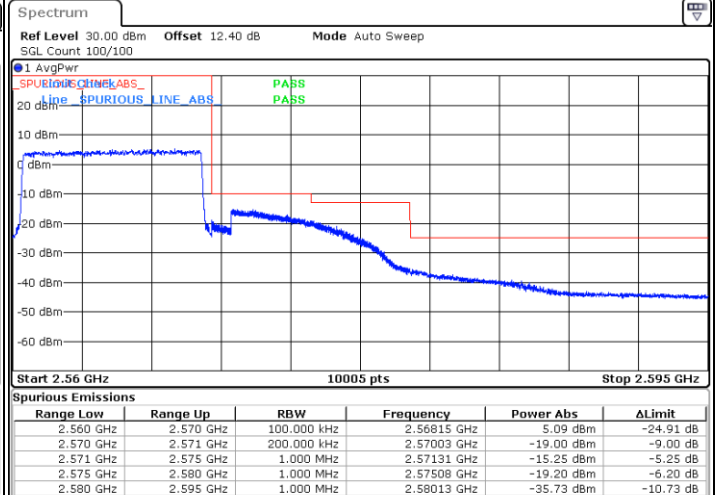


## LTE Band 7 / 10MHz / QPSK

## Lowest Band Edge / Full RB

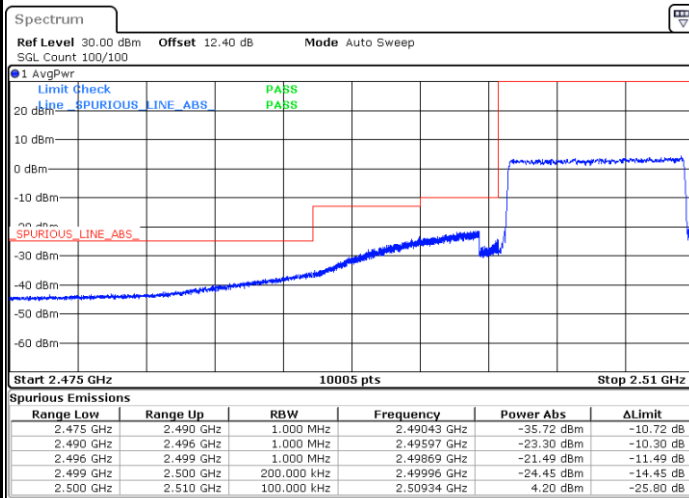


## Highest Band Edge / Full RB

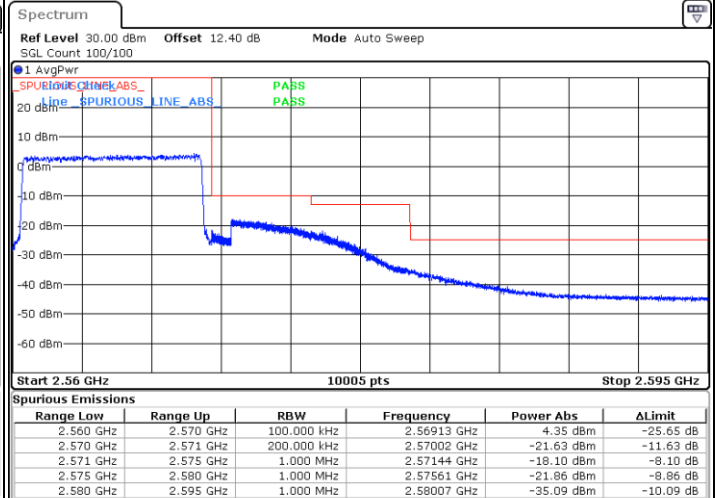


## LTE Band 7 / 10MHz / 16QAM

## Lowest Band Edge / Full RB



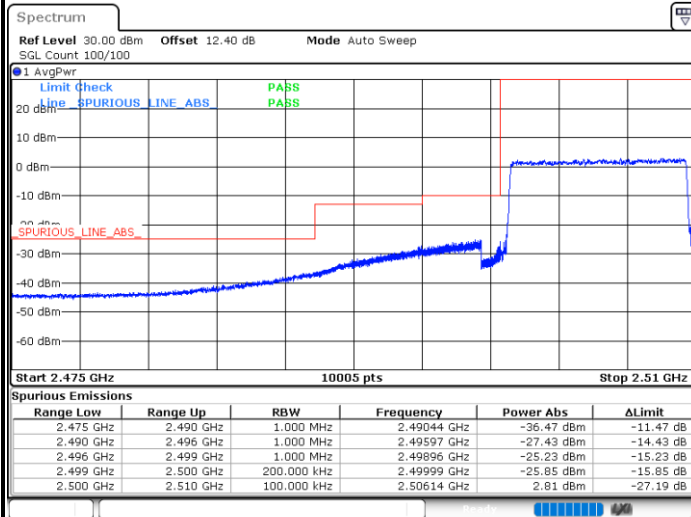
## Highest Band Edge / Full RB



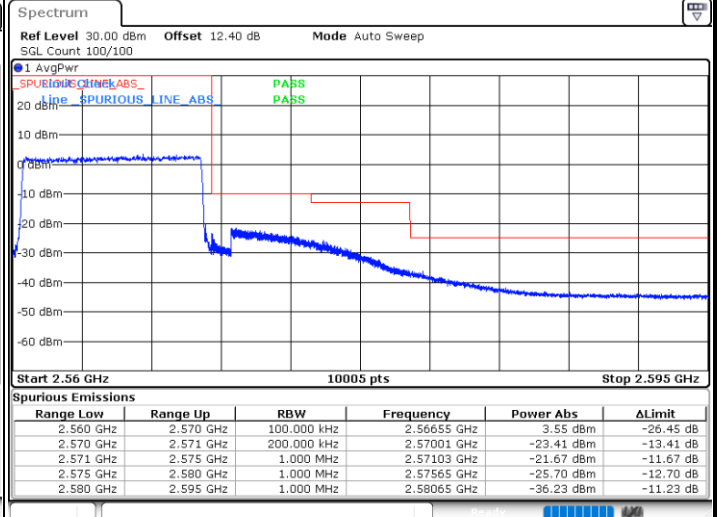


## LTE Band 7 / 10MHz / 64QAM

## Lowest Band Edge / Full RB

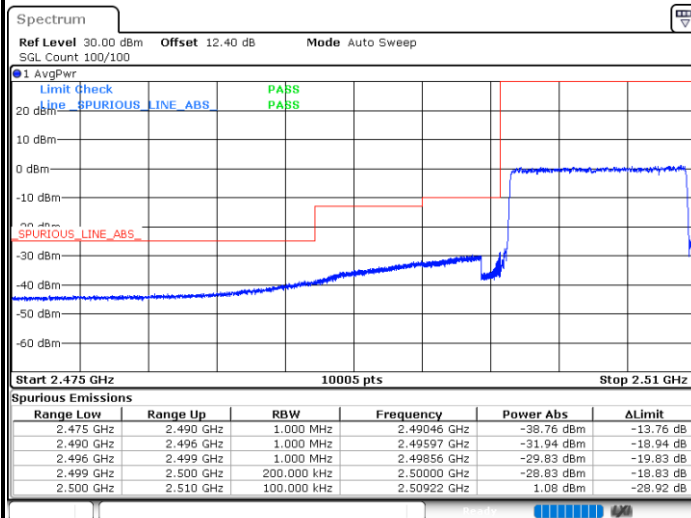


## Highest Band Edge / Full RB

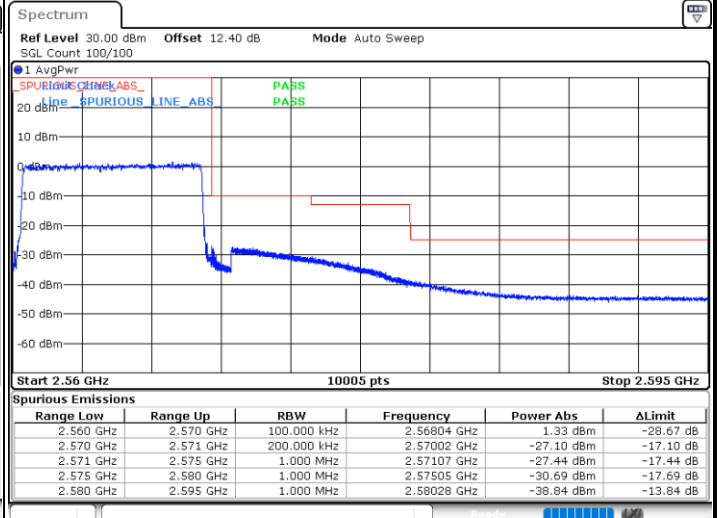


## LTE Band 7 / 10MHz / 256QAM

## Lowest Band Edge / Full RB



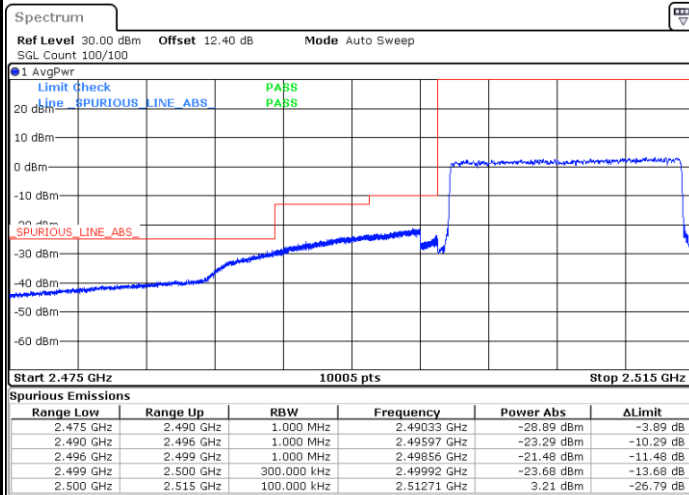
## Highest Band Edge / Full RB



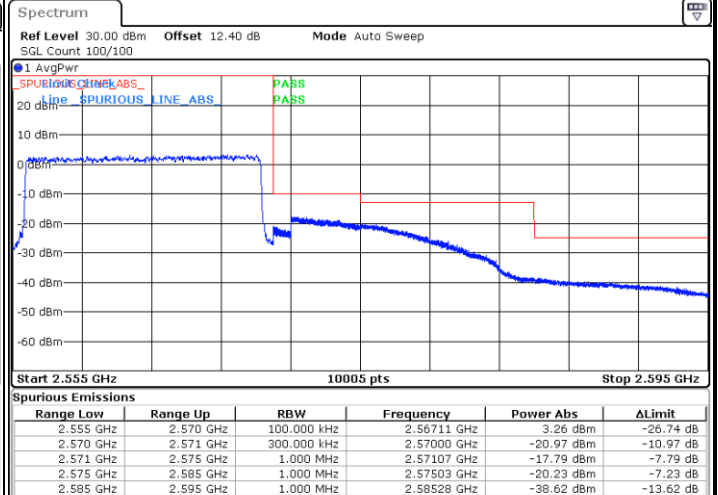


## LTE Band 7 / 15MHz / QPSK

## Lowest Band Edge / Full RB

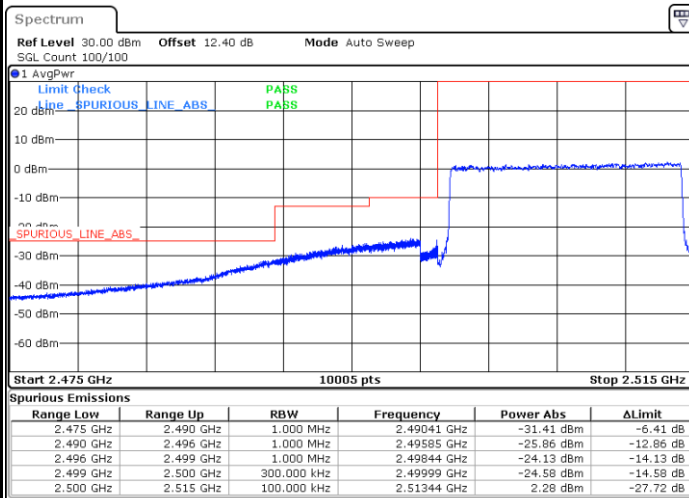


## Highest Band Edge / Full RB

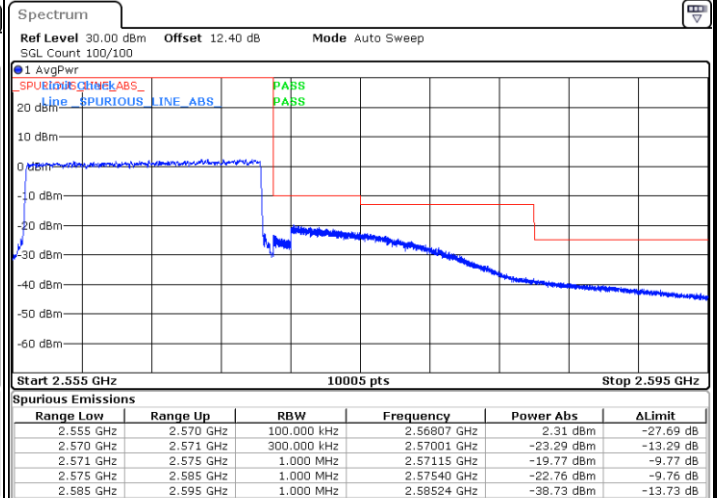


## LTE Band 7 / 15MHz / 16QAM

## Lowest Band Edge / Full RB



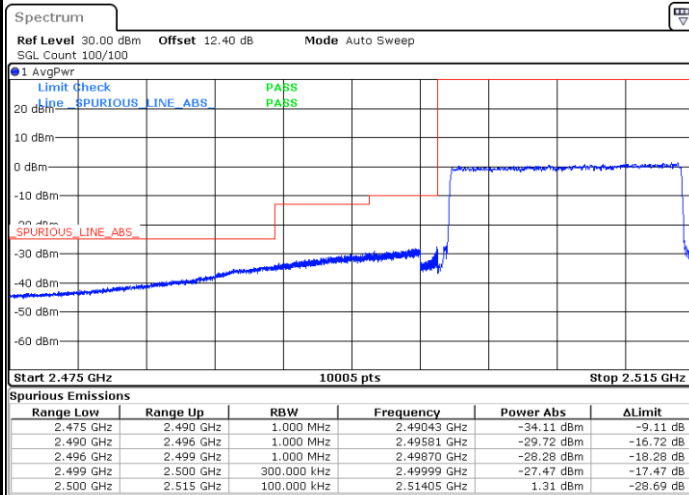
## Highest Band Edge / Full RB



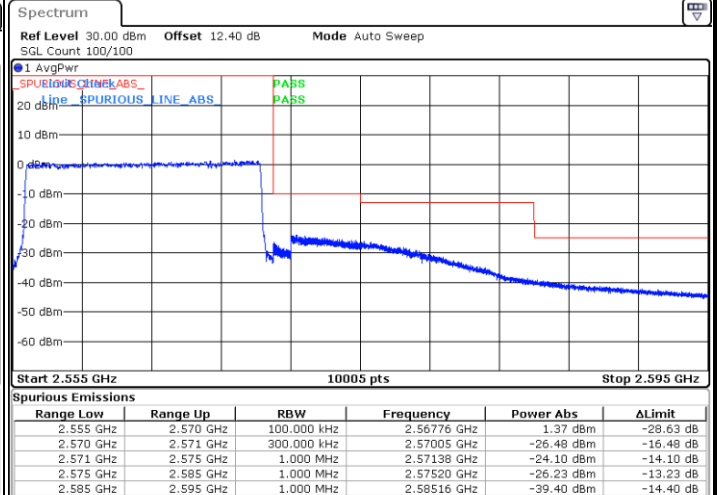


## LTE Band 7 / 15MHz / 64QAM

## Lowest Band Edge / Full RB

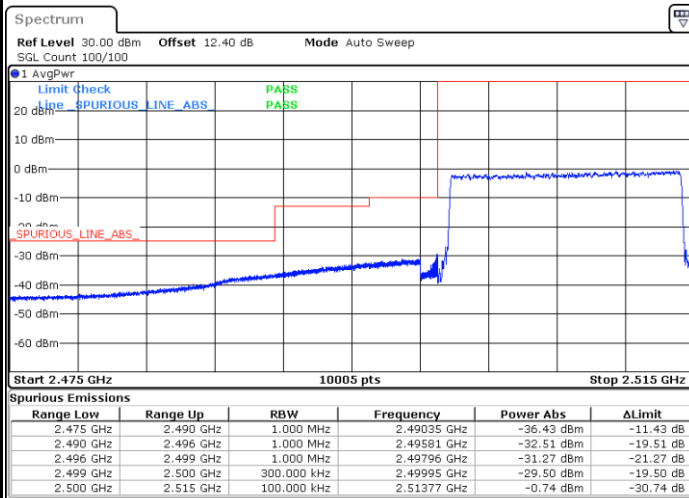


## Highest Band Edge / Full RB

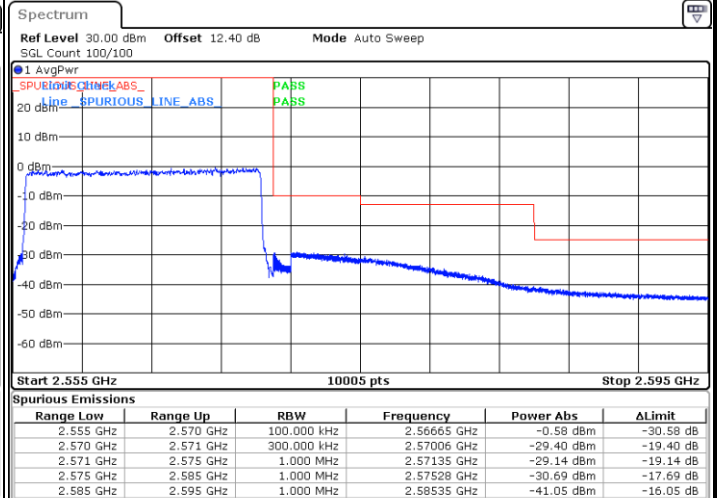


## LTE Band 7 / 15MHz / 256QAM

## Lowest Band Edge / Full RB



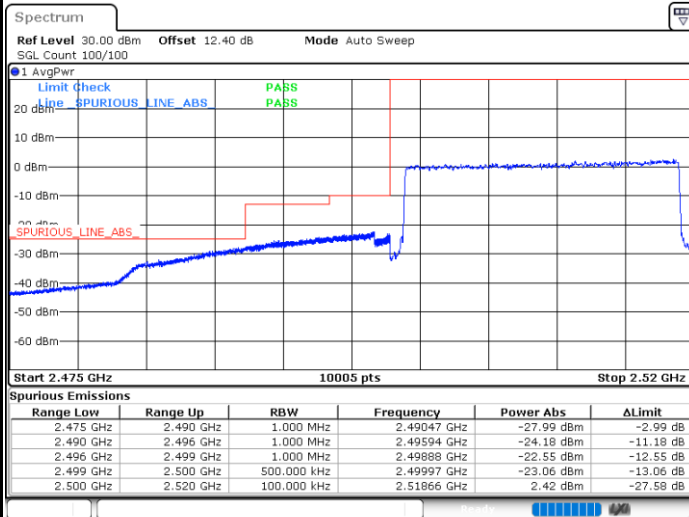
## Highest Band Edge / Full RB



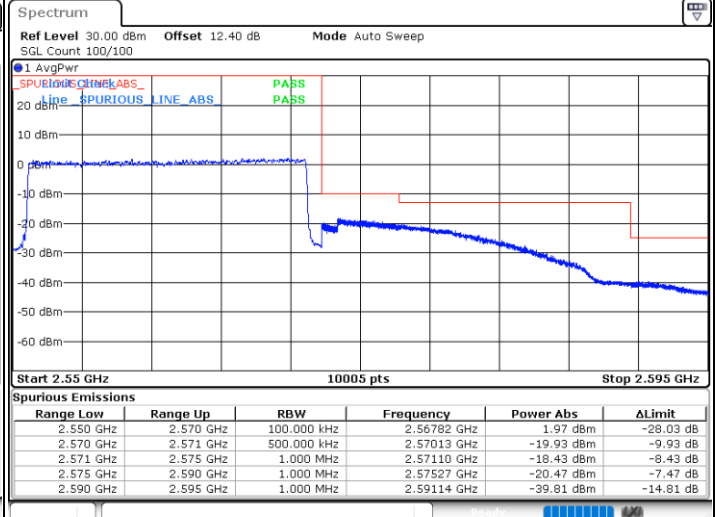


## LTE Band 7 / 20MHz / QPSK

## Lowest Band Edge / Full RB

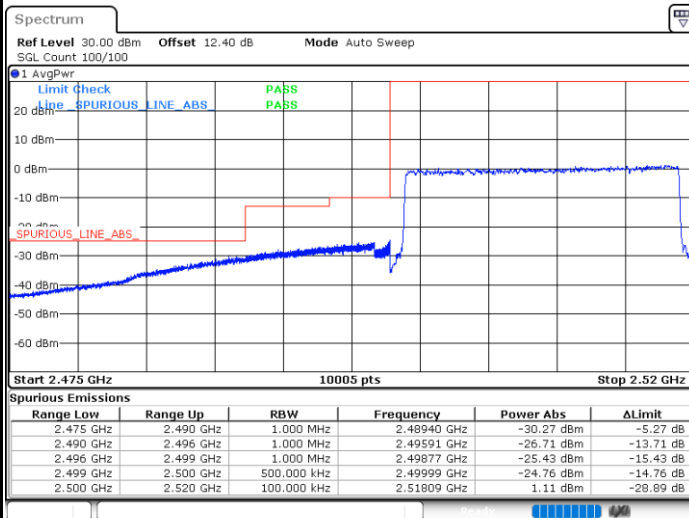


## Highest Band Edge / Full RB

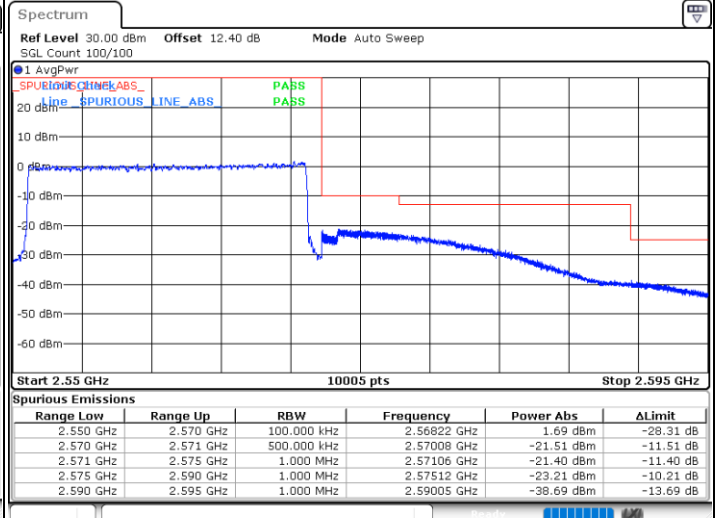


## LTE Band 7 / 20MHz / 16QAM

## Lowest Band Edge / Full RB



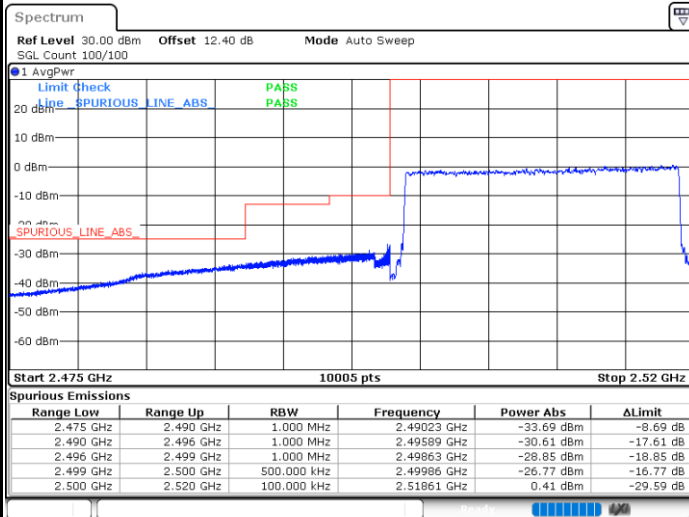
## Highest Band Edge / Full RB



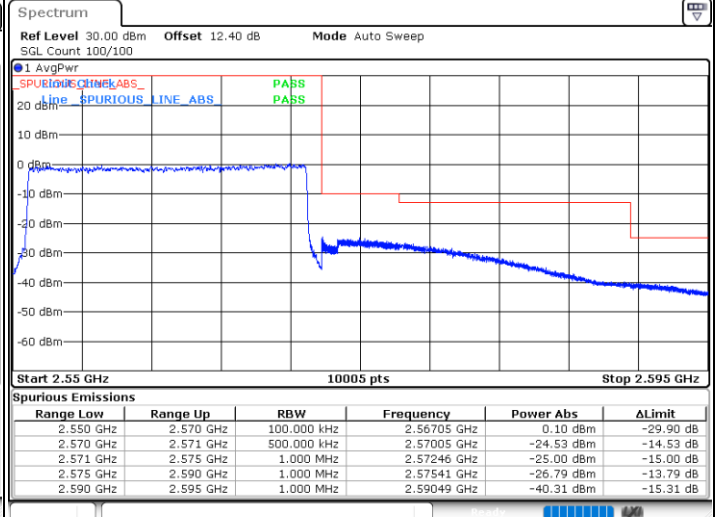


## LTE Band 7 / 20MHz / 64QAM

## Lowest Band Edge / Full RB

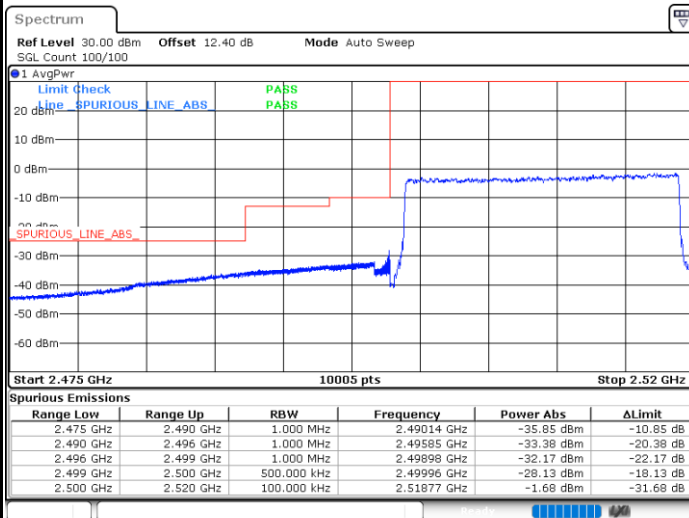


## Highest Band Edge / Full RB

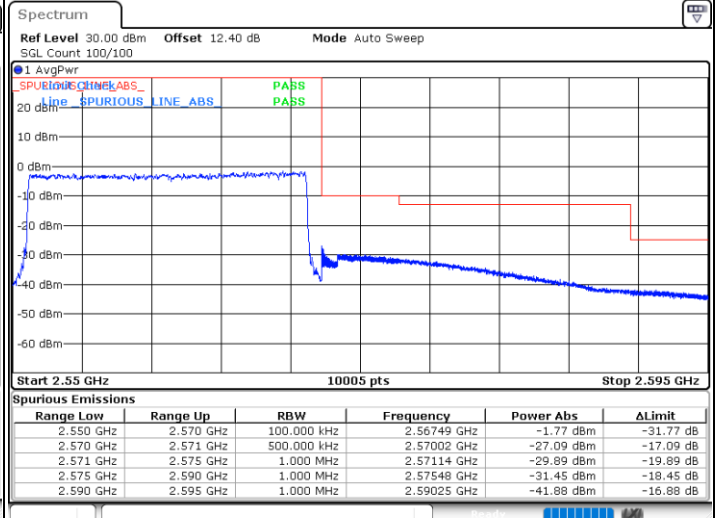


## LTE Band 7 / 20MHz / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

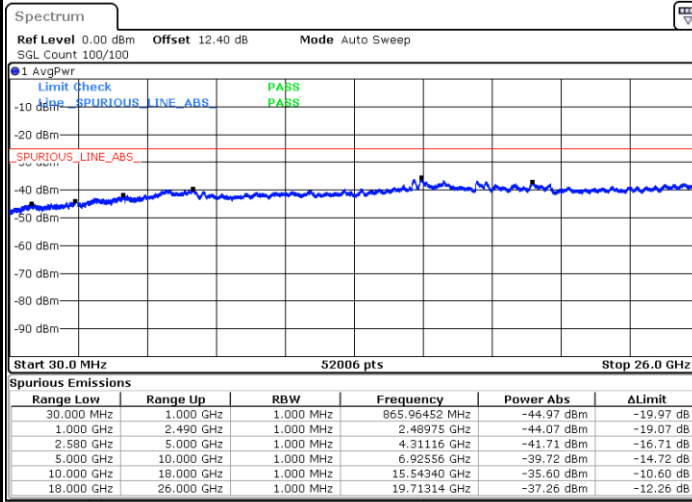




# Conducted Spurious Emission

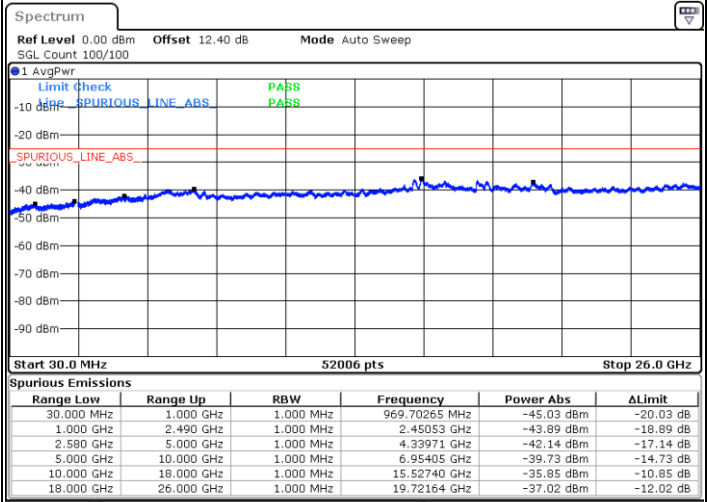
## LTE Band 7 / 5MHz

### Lowest Channel / QPSK



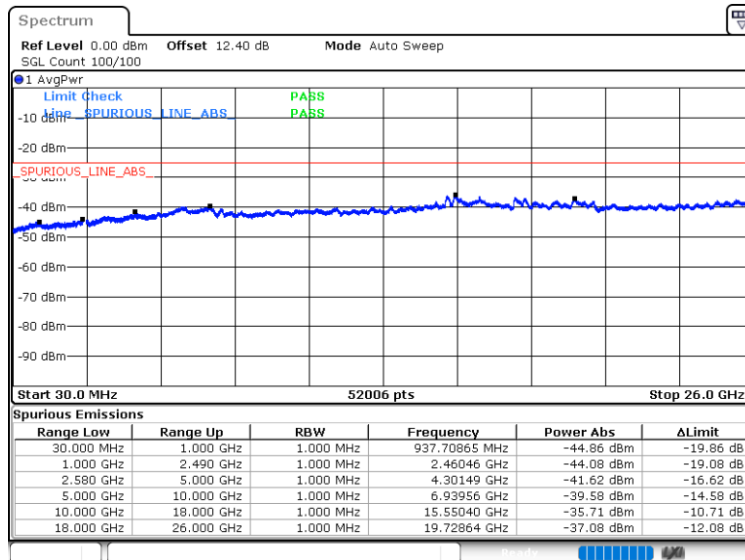
Date: 2.JUL.2025 16:34:54

### Middle Channel / QPSK



Date: 2.JUL.2025 16:36:16

### Highest Channel / QPSK

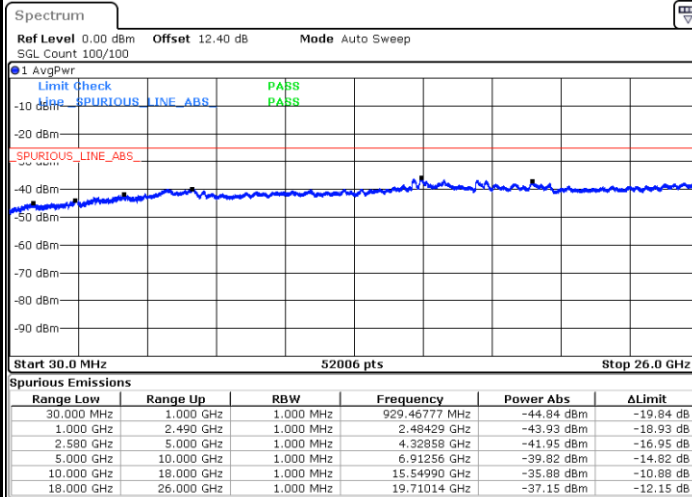


Date: 2.JUL.2025 16:37:38



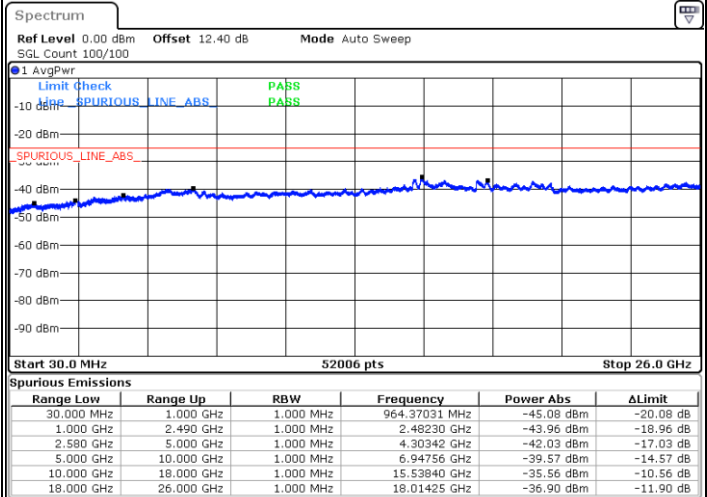
## LTE Band 7 / 10MHz

## Lowest Channel / QPSK



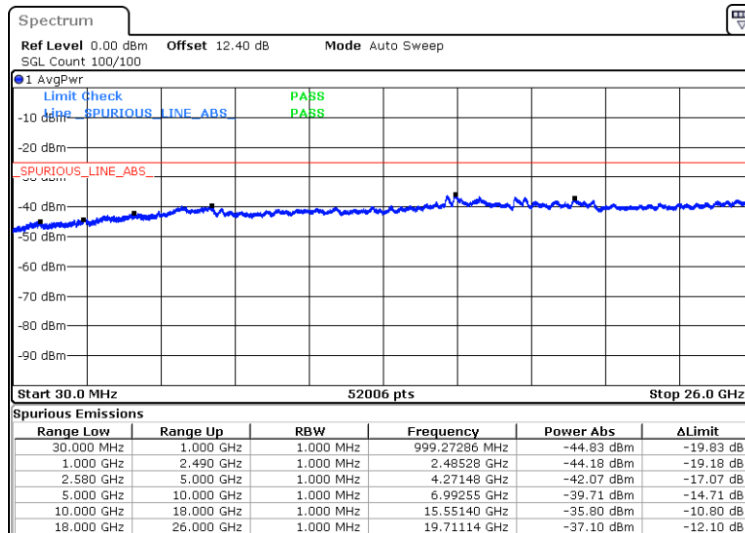
Date: 2.JUL.2025 16:39:02

## Middle Channel / QPSK



Date: 2.JUL.2025 16:40:24

## Highest Channel / QPSK

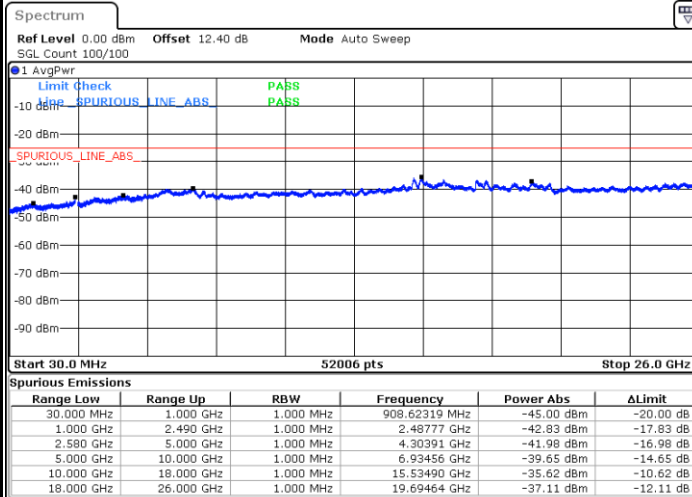


Date: 2.JUL.2025 16:41:46



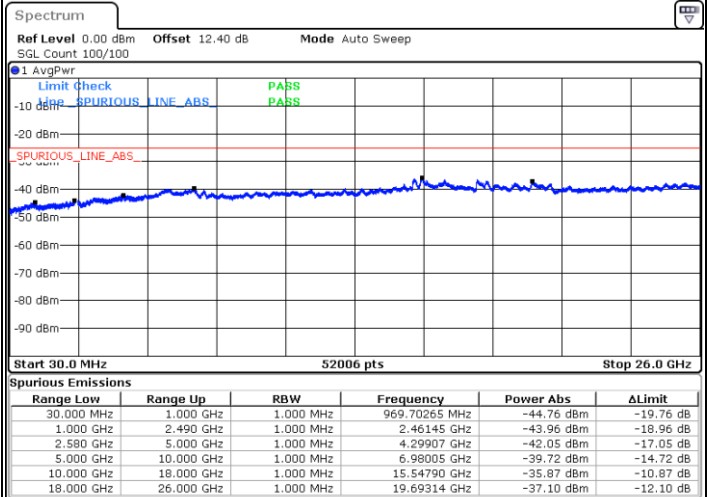
## LTE Band 7 / 15MHz

## Lowest Channel / QPSK



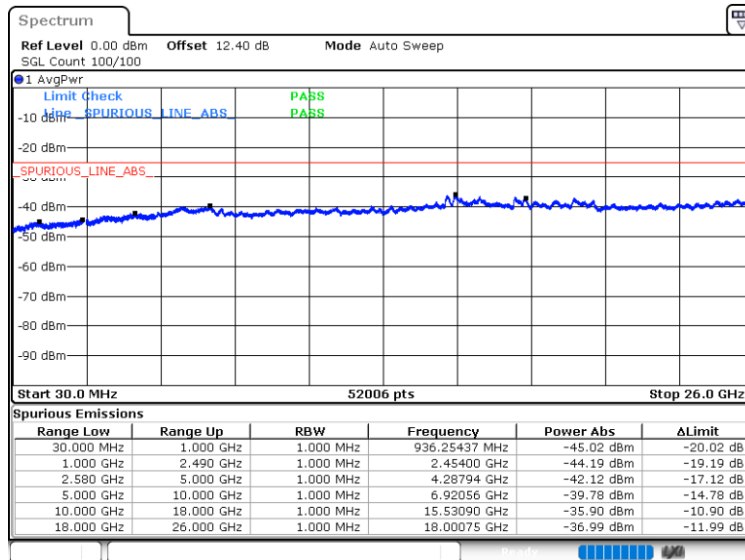
Date: 2.JUL.2025 16:43:10

## Middle Channel / QPSK



Date: 2.JUL.2025 16:44:32

## Highest Channel / QPSK

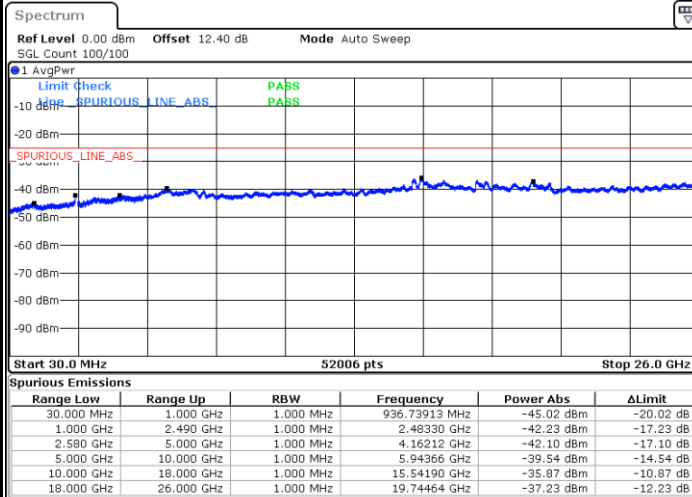


Date: 2.JUL.2025 16:45:54



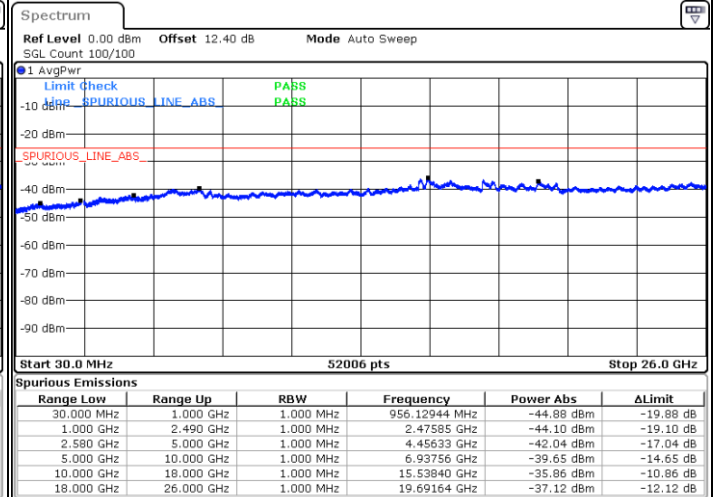
## LTE Band 7 / 20MHz

## Lowest Channel / QPSK



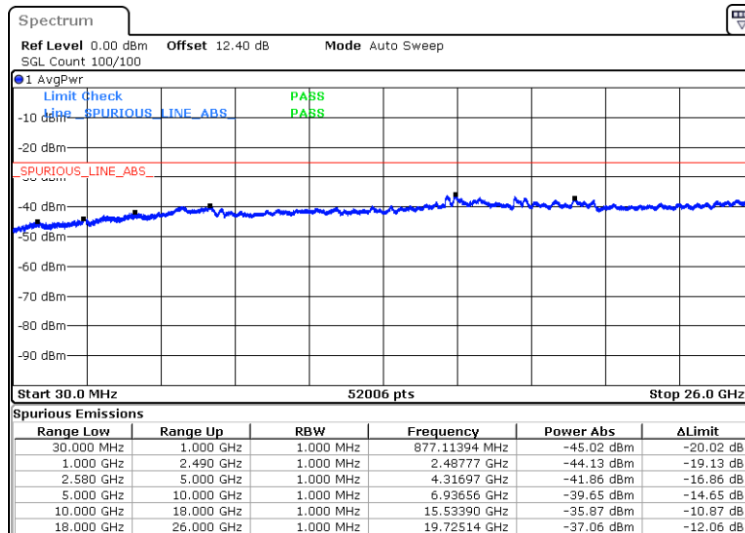
Date: 2.JUL.2025 16:47:18

## Middle Channel / QPSK



Date: 2.JUL.2025 16:48:40

## Highest Channel / QPSK



Date: 2.JUL.2025 16:50:02

## Frequency Stability

| Test Conditions     |                   | LTE Band 7 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | Note 2. |
|                     |                   | Deviation (ppm)                    | Result  |
| 50                  | Normal Voltage    | 0.0017                             | PASS    |
| 40                  | Normal Voltage    | 0.0028                             |         |
| 30                  | Normal Voltage    | 0.0003                             |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |         |
| 10                  | Normal Voltage    | 0.0040                             |         |
| 0                   | Normal Voltage    | 0.0007                             |         |
| -10                 | Normal Voltage    | 0.0007                             |         |
| -20                 | Normal Voltage    | 0.0018                             |         |
| -30                 | Normal Voltage    | 0.0010                             |         |
| 20                  | Maximum Voltage   | 0.0021                             |         |
| 20                  | Normal Voltage    | 0.0000                             |         |
| 20                  | Minimum Voltage   | 0.0052                             |         |

**Note:**

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 7C

**26dB Bandwidth**

| Mode      | LTE Band 7C : 26dB BW(MHz) |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|
| QPSK      |                            |             |             |             |
| BW        | 10MHz+20MHz                | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 30.00                      | 25.40       | 30.72       | 35.07       |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 30.06                      | 35.00       | 40.00       |             |

| Mode      | LTE Band 7C : 26dB BW(MHz) |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|
| 16QAM     |                            |             |             |             |
| BW        | 10MHz+20MHz                | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 29.88                      | 25.35       | 30.72       | 34.93       |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 30.12                      | 34.93       | 40.24       |             |

| Mode      | LTE Band 7C : 26dB BW(MHz) |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|
| 64QAM     |                            |             |             |             |
| BW        | 10MHz+20MHz                | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 29.82                      | 25.25       | 30.78       | 35.07       |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 30.18                      | 35.00       | 40.08       |             |

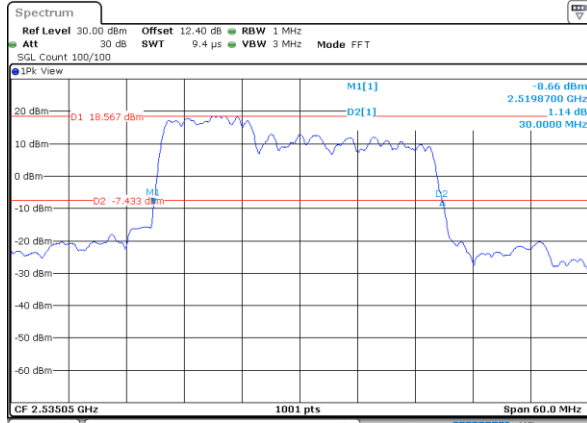
| Mode      | LTE Band 7C : 26dB BW(MHz) |             |             |             |
|-----------|----------------------------|-------------|-------------|-------------|
| 256QAM    |                            |             |             |             |
| BW        | 10MHz+20MHz                | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 30.00                      | 25.20       | 30.66       | 34.93       |
| BW        | 20MHz+10MHz                | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 30.12                      | 35.07       | 39.84       |             |



## LTE Band 7C

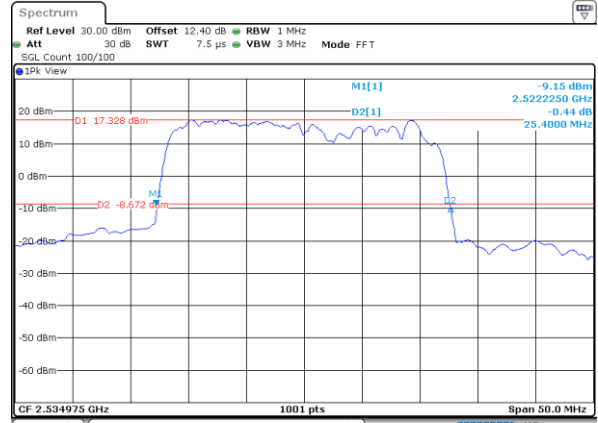
## QPSK

## Middle Channel / 10MHz+20MHz



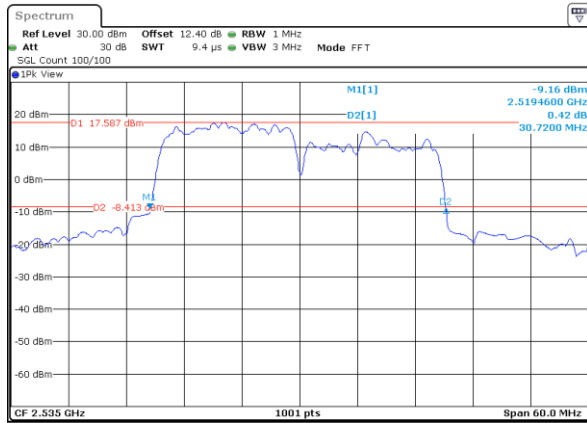
Date: 24 JUN 2025 08:22:33

## Middle Channel / 15MHz+10MHz



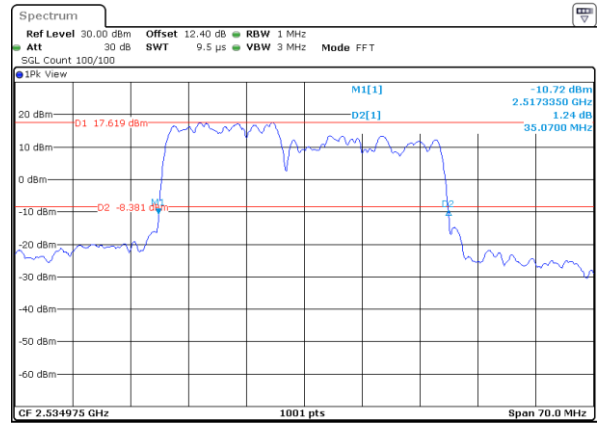
Date: 24 JUN 2025 08:37:10

## Middle Channel / 15MHz+15MHz



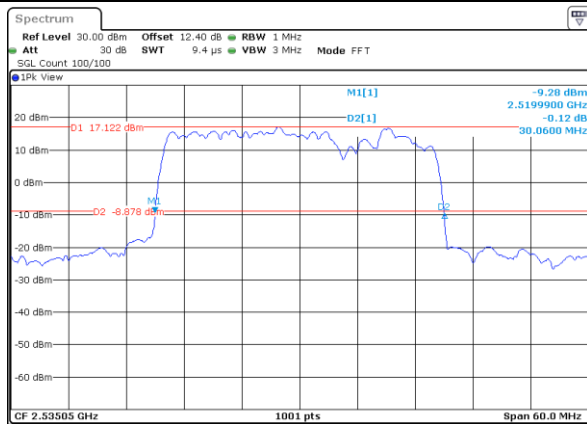
Date: 24 JUN 2025 08:27:36

## Middle Channel / 15MHz+20MHz



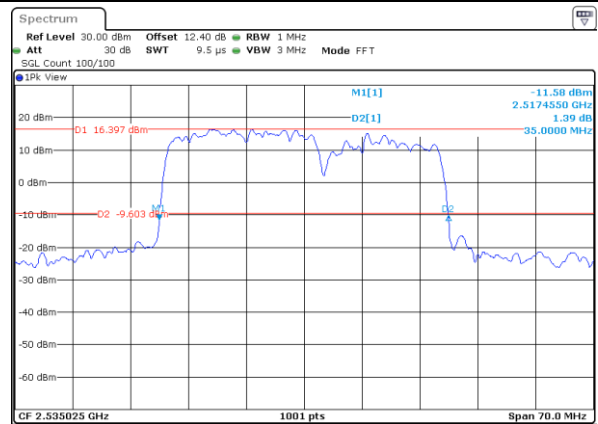
Date: 24 JUN 2025 08:29:52

## Middle Channel / 20MHz+10MHz

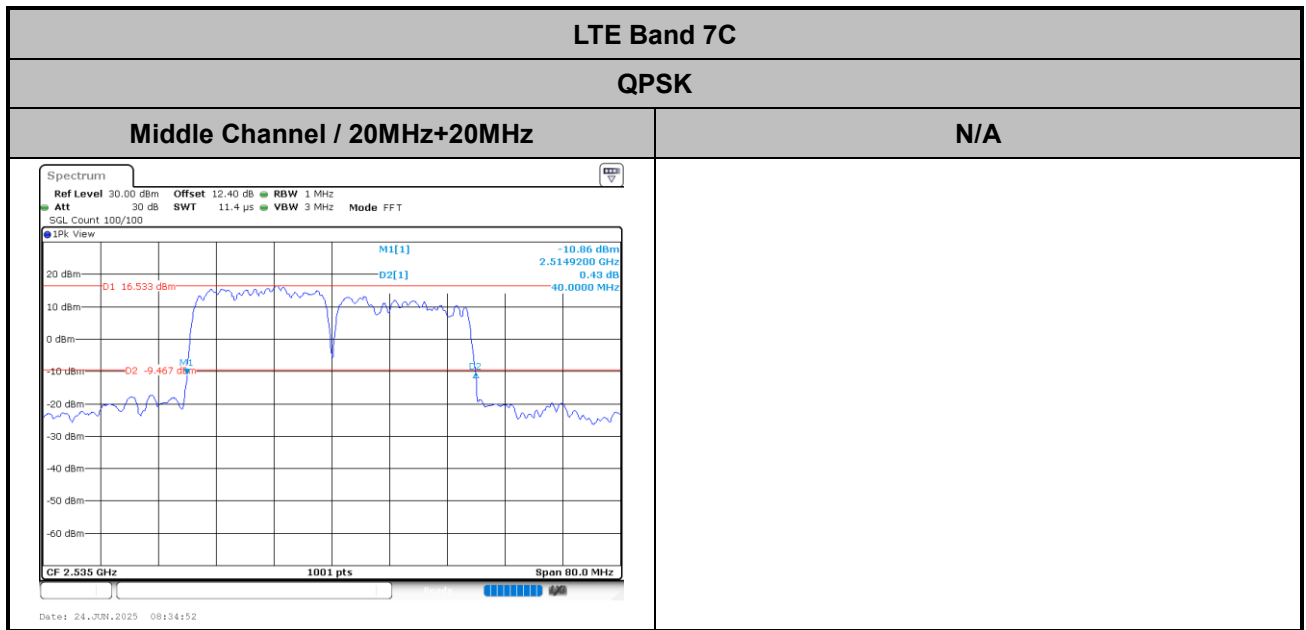


Date: 24 JUN 2025 08:25:07

## Middle Channel / 20MHz+15MHz



Date: 24 JUN 2025 08:32:25

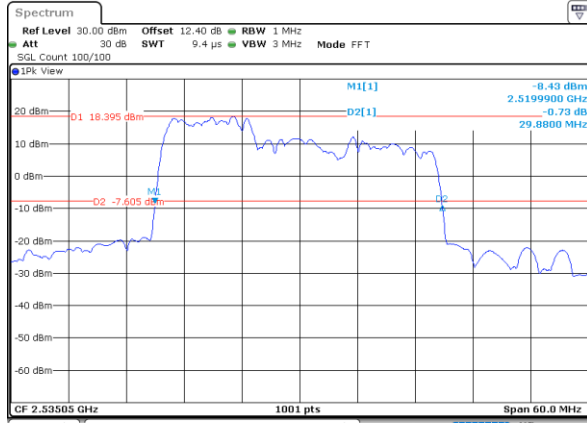




## LTE Band 7C

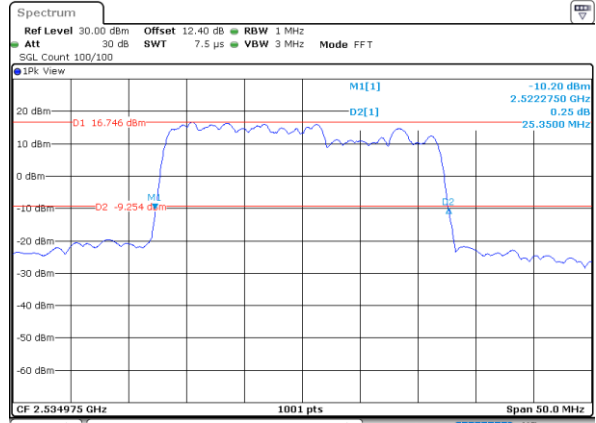
## 16QAM

## Middle Channel / 10MHz+20MHz



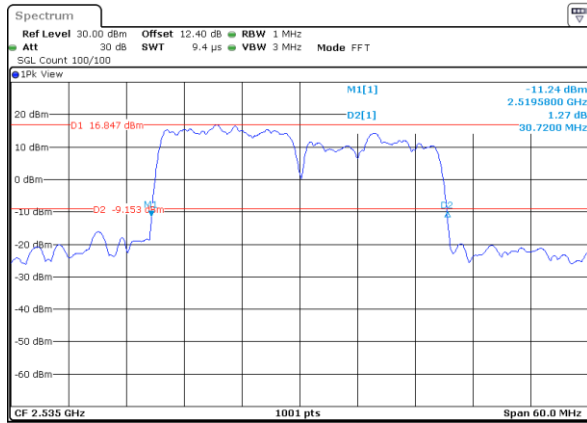
Date: 24 JUN 2025 08:23:09

## Middle Channel / 15MHz+10MHz



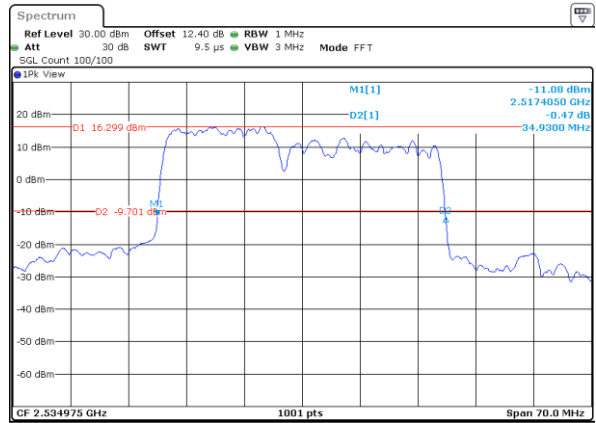
Date: 24 JUN 2025 08:37:46

## Middle Channel / 15MHz+15MHz



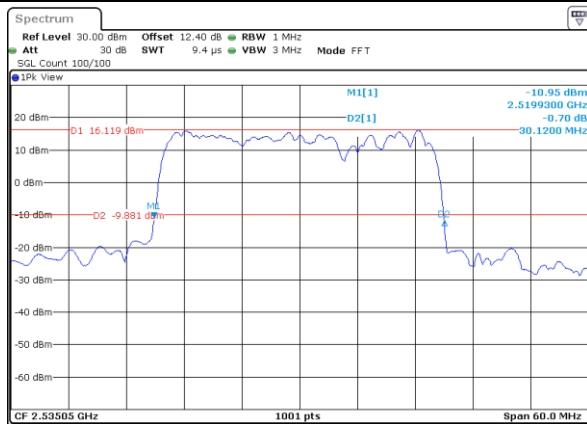
Date: 24 JUN 2025 08:23:07

## Middle Channel / 15MHz+20MHz



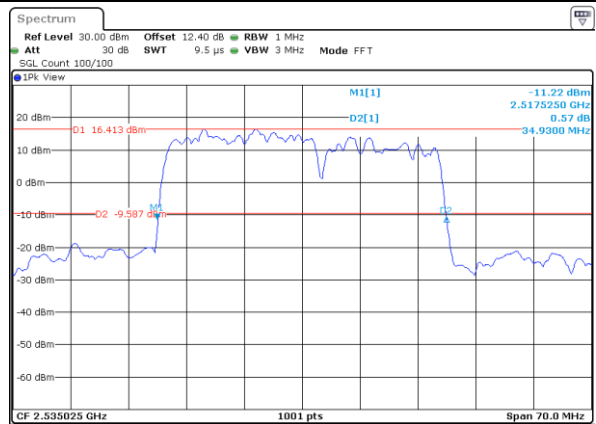
Date: 24 JUN 2025 08:30:28

## Middle Channel / 20MHz+10MHz



Date: 24 JUN 2025 08:25:43

## Middle Channel / 20MHz+15MHz



Date: 24 JUN 2025 08:33:01



## LTE Band 7C

### Middle Channel / 20MHz+20MHz

**N/A**

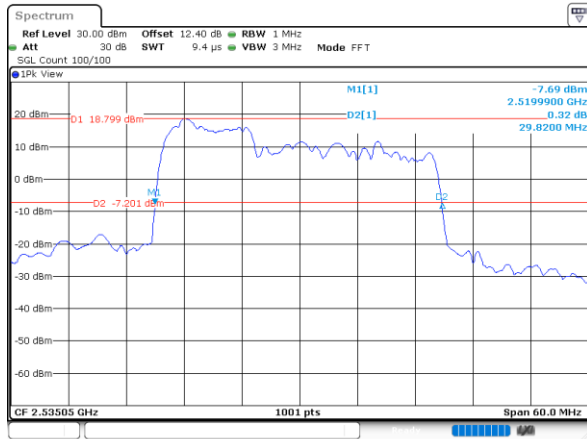




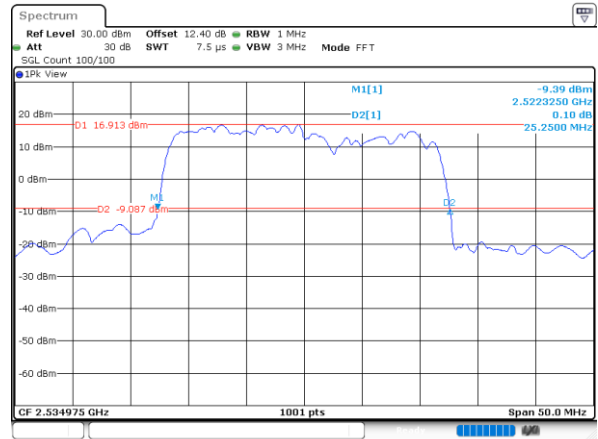
## LTE Band 7C

## 64QAM

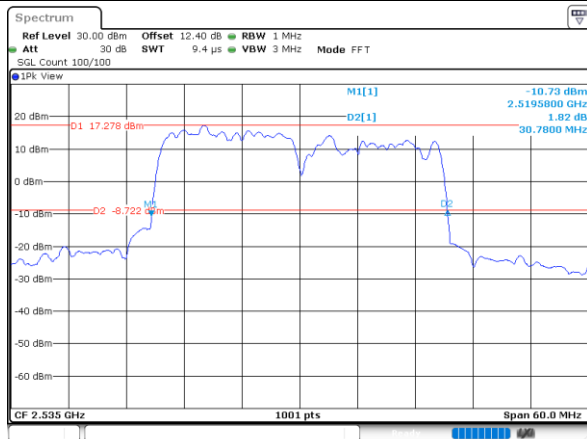
## Middle Channel / 10MHz+20MHz



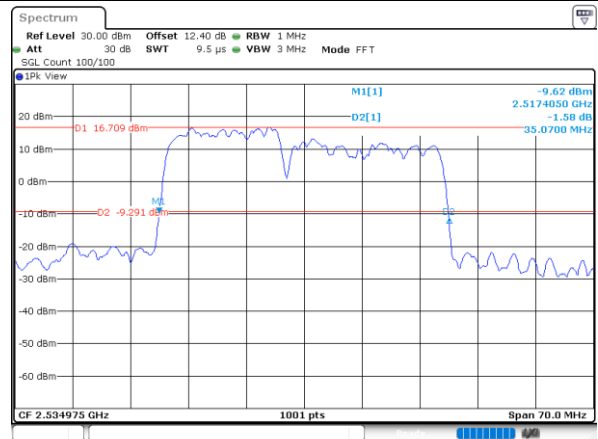
## Middle Channel / 15MHz+10MHz



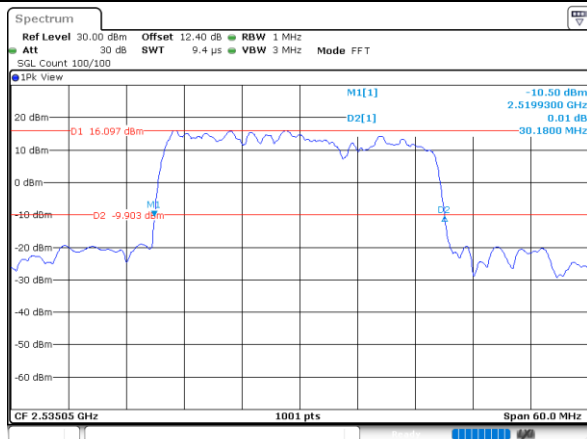
## Middle Channel / 15MHz+15MHz



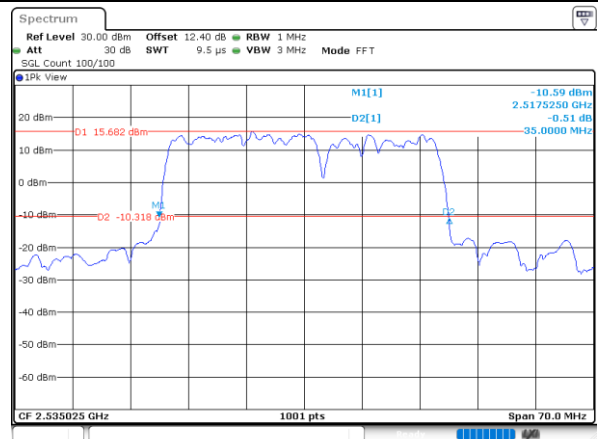
## Middle Channel / 15MHz+20MHz



## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz





## LTE Band 7C

### Middle Channel / 20MHz+20MHz

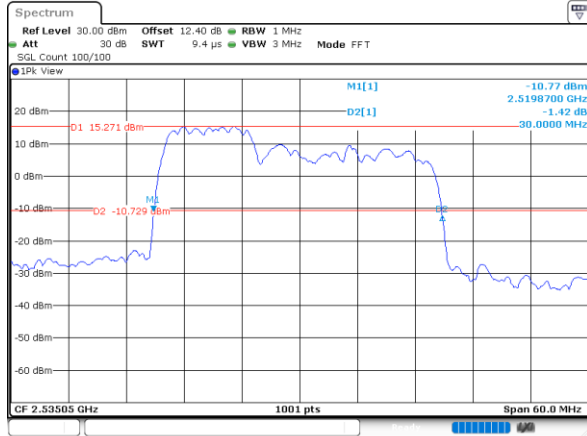
**N/A**



## LTE Band 7C

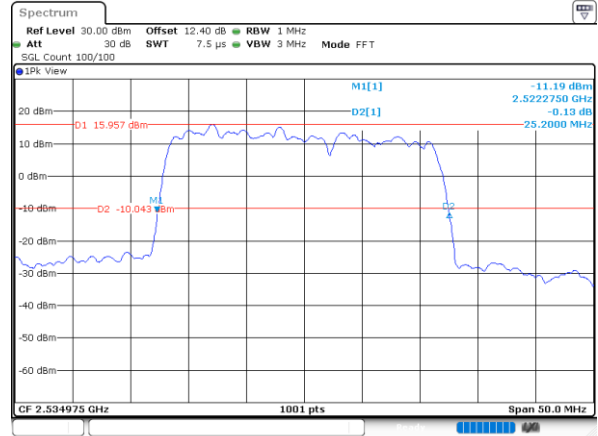
### 256QAM

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



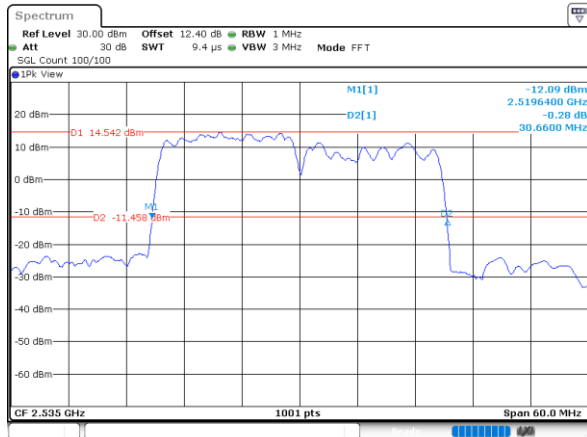
Date: 24 JUN 2025 08:24:21

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



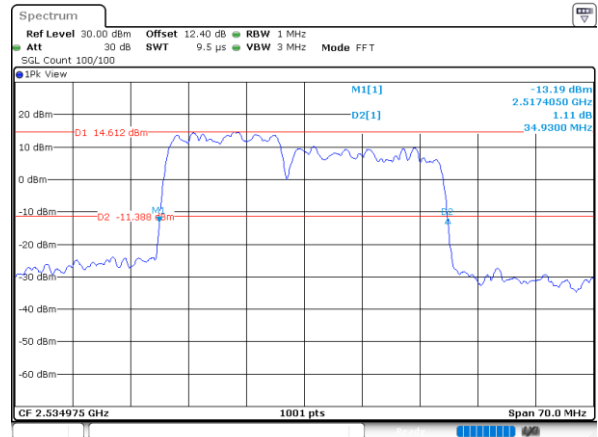
Date: 24 JUN 2025 08:38:58

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



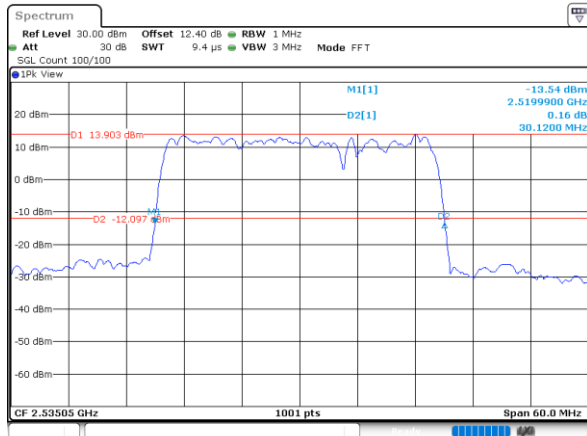
Date: 24 JUN 2025 08:29:08

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



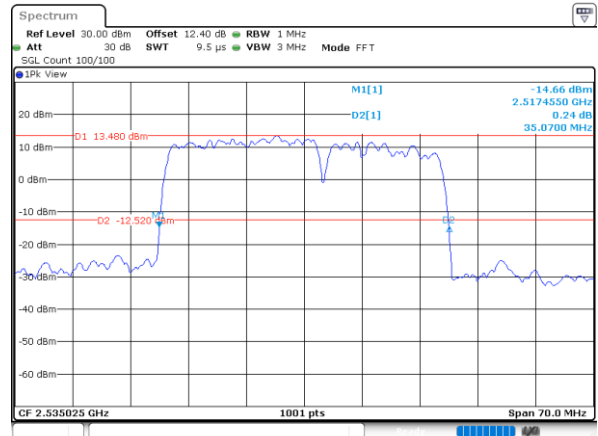
Date: 24 JUN 2025 08:31:40

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

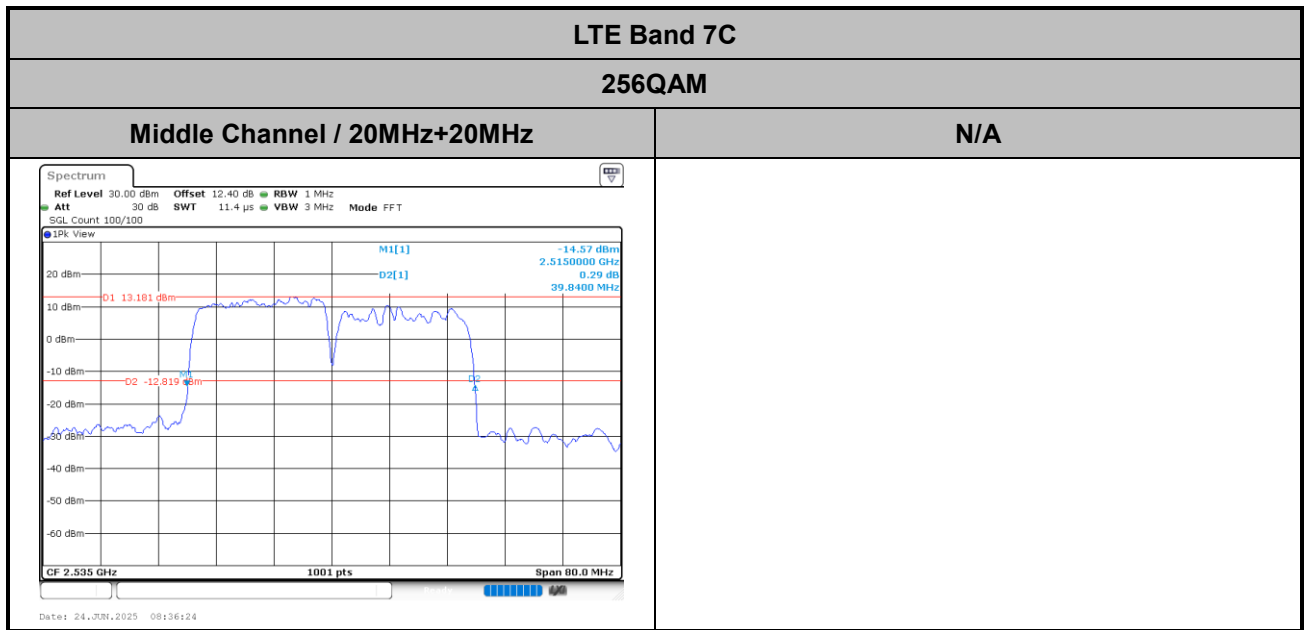


Date: 24 JUN 2025 08:26:55

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



Date: 24 JUN 2025 08:34:13



**Occupied Bandwidth**

| Mode      | LTE Band 7C : 99%OBW(MHz) |             |             |             |
|-----------|---------------------------|-------------|-------------|-------------|
| QPSK      |                           |             |             |             |
| BW        | 10MHz+20MHz               | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 27.85                     | 23.39       | 28.78       | 32.84       |
| BW        | 20MHz+10MHz               | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 28.02                     | 32.77       | 37.57       |             |

| Mode      | LTE Band 7C : 99%OBW(MHz) |             |             |             |
|-----------|---------------------------|-------------|-------------|-------------|
| 16QAM     |                           |             |             |             |
| BW        | 10MHz+20MHz               | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 27.87                     | 23.29       | 28.42       | 32.62       |
| BW        | 20MHz+10MHz               | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 28.19                     | 32.80       | 37.12       |             |

| Mode      | LTE Band 7C : 99%OBW(MHz) |             |             |             |
|-----------|---------------------------|-------------|-------------|-------------|
| 64QAM     |                           |             |             |             |
| BW        | 10MHz+20MHz               | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 27.71                     | 23.36       | 28.59       | 32.83       |
| BW        | 20MHz+10MHz               | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 27.99                     | 33.08       | 37.25       |             |

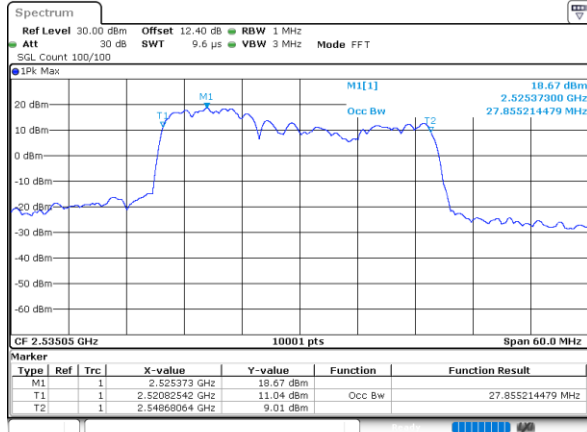
| Mode      | LTE Band 7C : 99%OBW(MHz) |             |             |             |
|-----------|---------------------------|-------------|-------------|-------------|
| 256QAM    |                           |             |             |             |
| BW        | 10MHz+20MHz               | 15MHz+10MHz | 15MHz+15MHz | 15MHz+20MHz |
| Middle CH | 27.89                     | 23.36       | 28.38       | 32.66       |
| BW        | 20MHz+10MHz               | 20MHz+15MHz | 20MHz+20MHz | N/A         |
| Middle CH | 28.00                     | 32.87       | 37.54       |             |



## LTE Band 7C

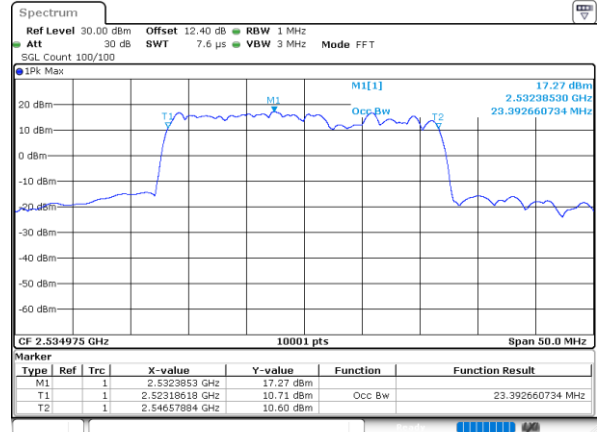
## QPSK

## Middle Channel / 10MHz+20MHz



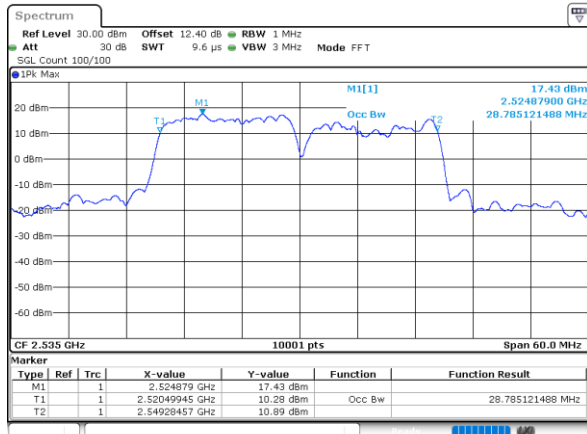
Date: 24 JUN 2025 08:06:07

## Middle Channel / 15MHz+10MHz



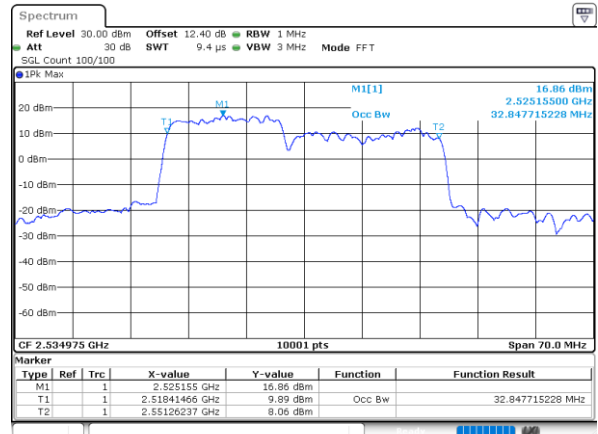
Date: 24 JUN 2025 08:12:00

## Middle Channel / 15MHz+15MHz



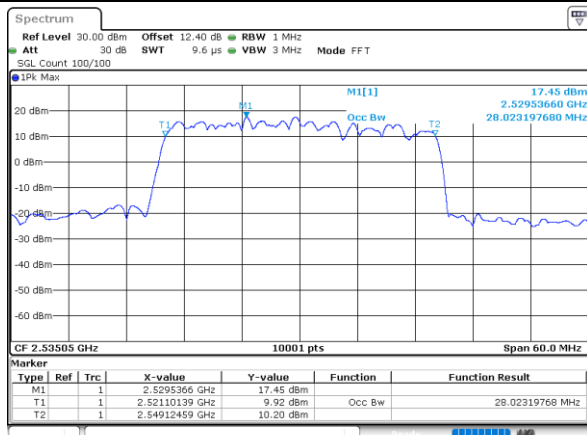
Date: 24 JUN 2025 08:11:07

## Middle Channel / 15MHz+20MHz



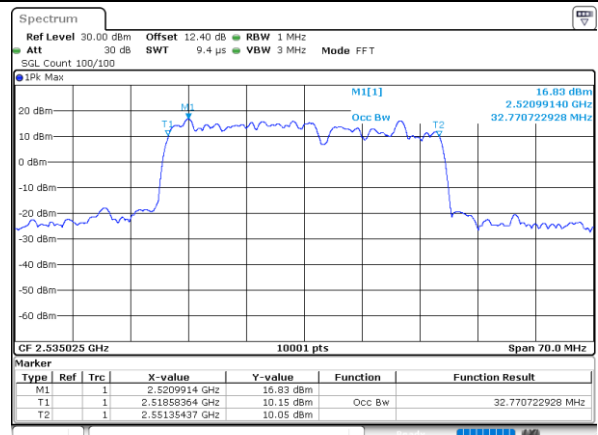
Date: 24 JUN 2025 08:13:22

## Middle Channel / 20MHz+10MHz



Date: 24 JUN 2025 08:08:40

## Middle Channel / 20MHz+15MHz



Date: 24 JUN 2025 08:15:18

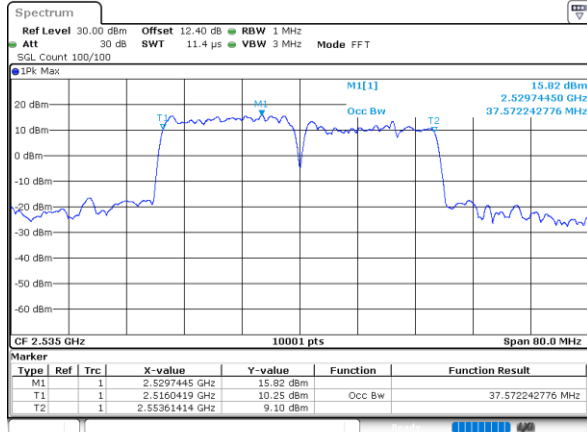


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



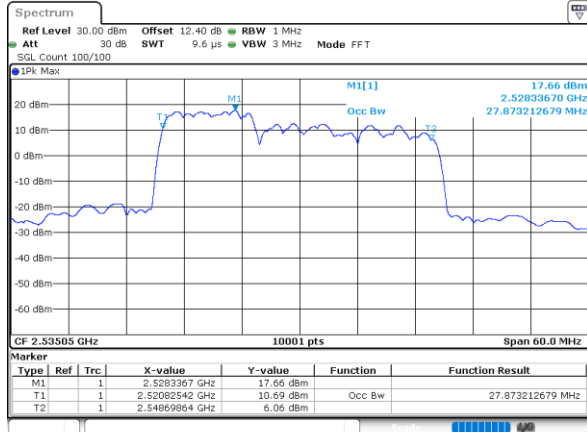
Date: 24-JUN-2025 08:17:43



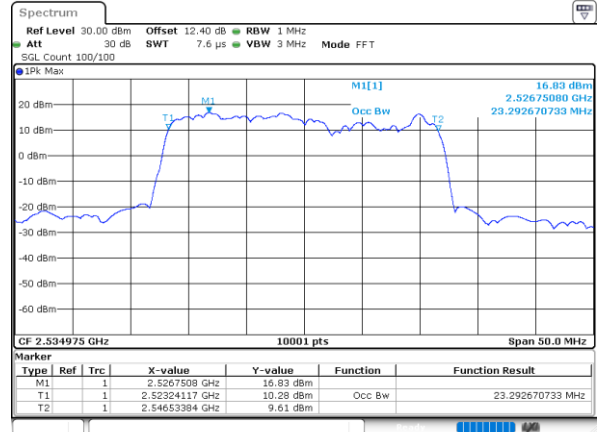
## LTE Band 7C

## 16QAM

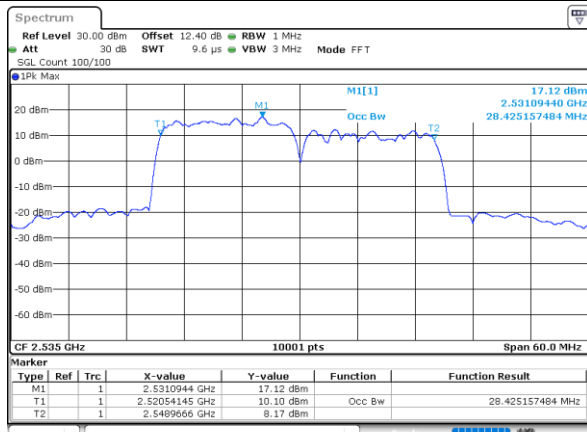
## Middle Channel / 10MHz+20MHz



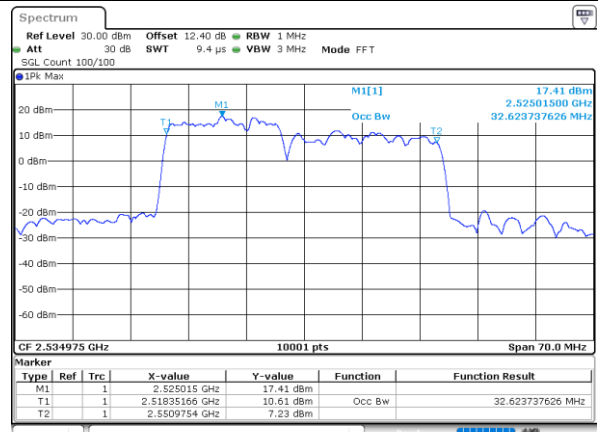
## Middle Channel / 15MHz+10MHz



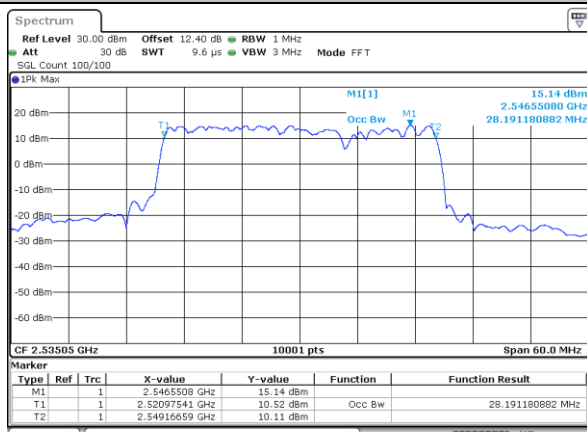
## Middle Channel / 15MHz+15MHz



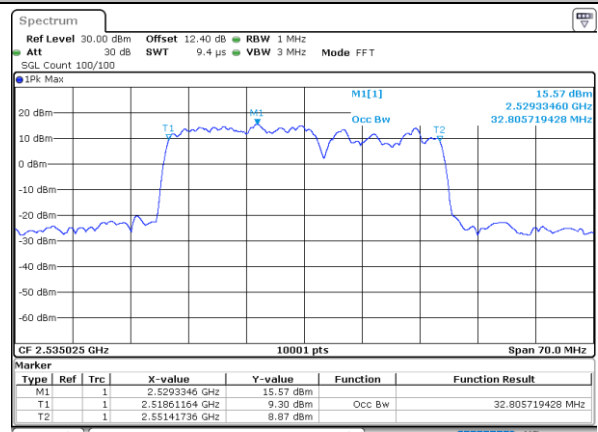
## Middle Channel / 15MHz+20MHz



## Middle Channel / 20MHz+10MHz



## Middle Channel / 20MHz+15MHz



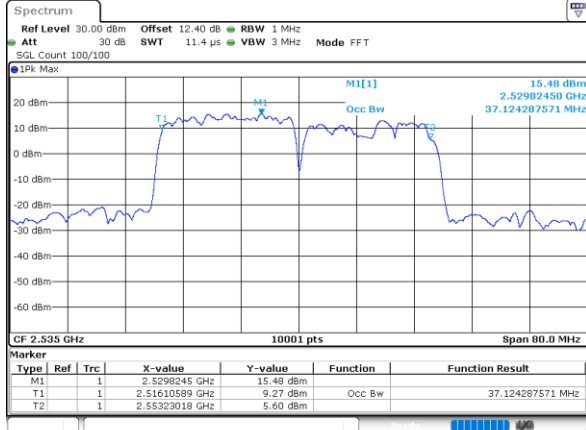


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 24 JUN 2025 08:18:13