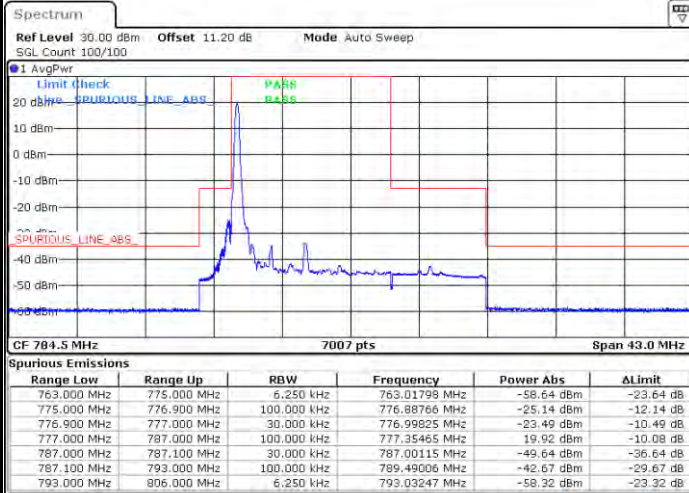


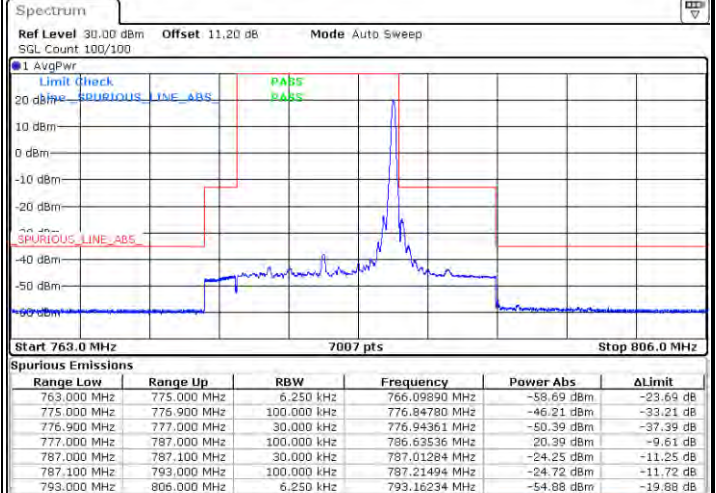


## IC LTE Band 13 / 5MHz / 64QAM

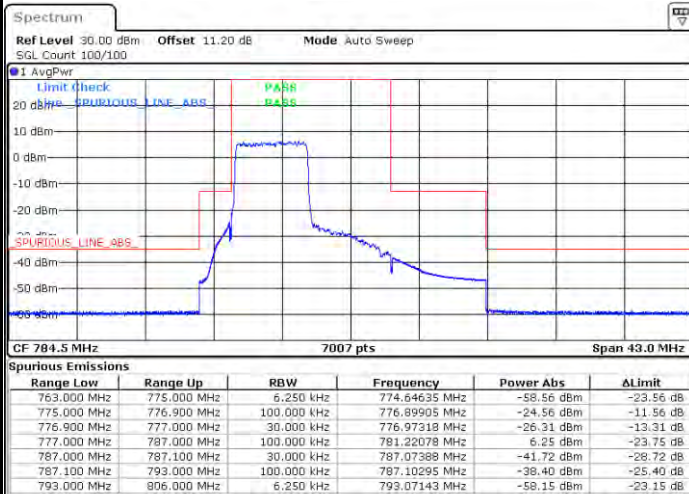
## Lowest Band Edge / 1 RB



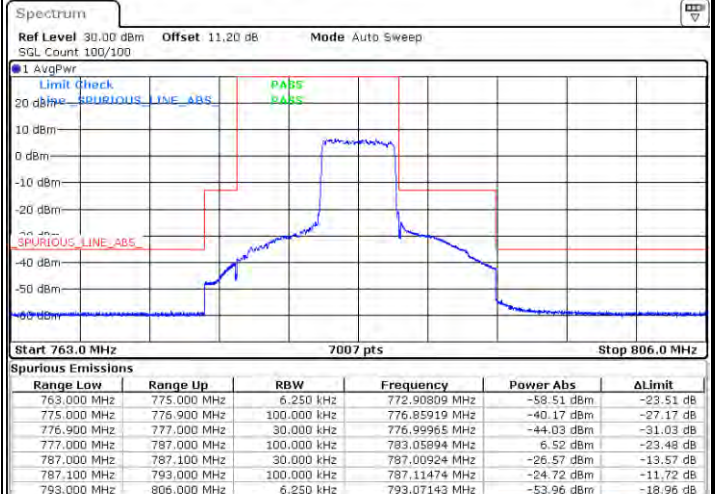
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



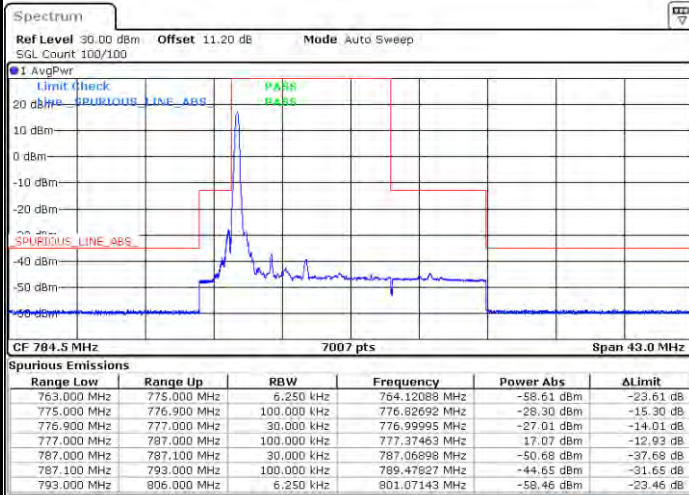
## Highest Band Edge / Full RB



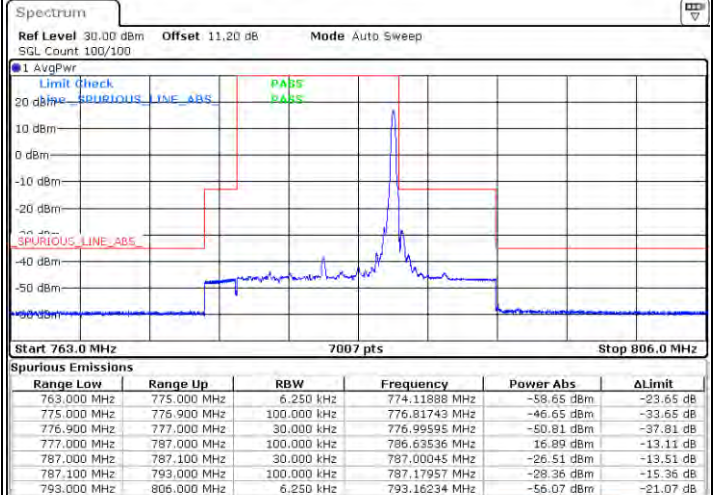


## IC LTE Band 13 / 5MHz / 256QAM

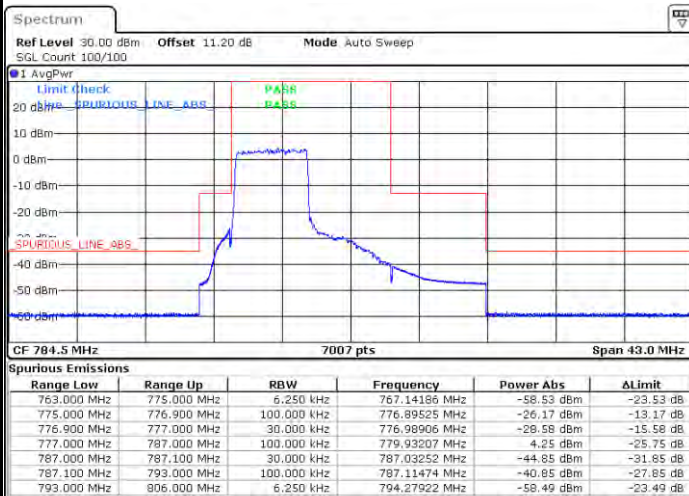
## Lowest Band Edge / 1 RB



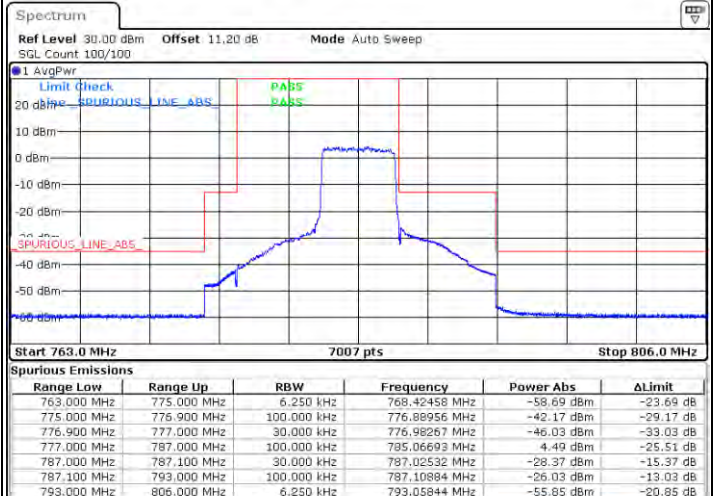
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



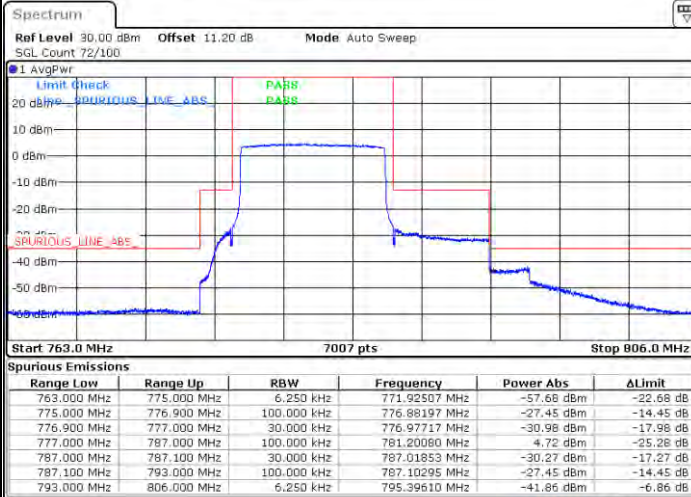
## Highest Band Edge / Full RB





## IC LTE Band 13 / 10MHz / QPSK

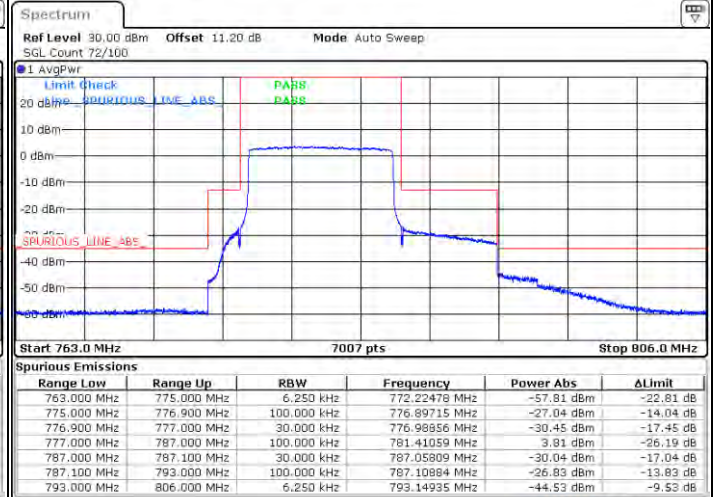
## Band Edge / Full RB



Date: 4.FEB.2025 13:57:40

## IC LTE Band 13 / 10MHz / 16QAM

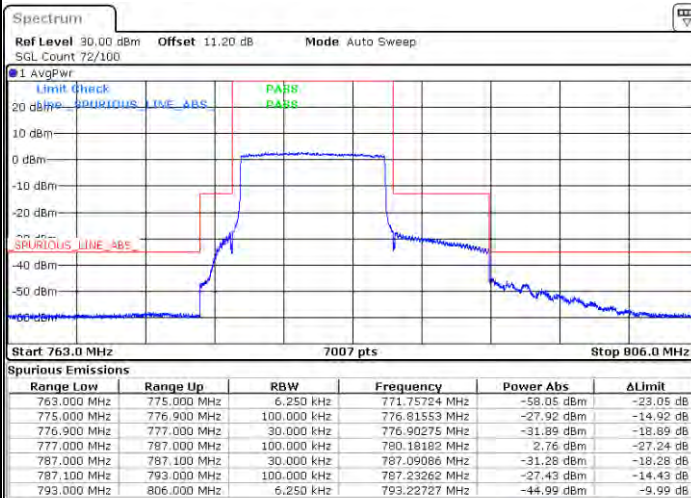
## Band Edge / Full RB



Date: 4.FEB.2025 13:58:50

## IC LTE Band 13 / 10MHz / 64QAM

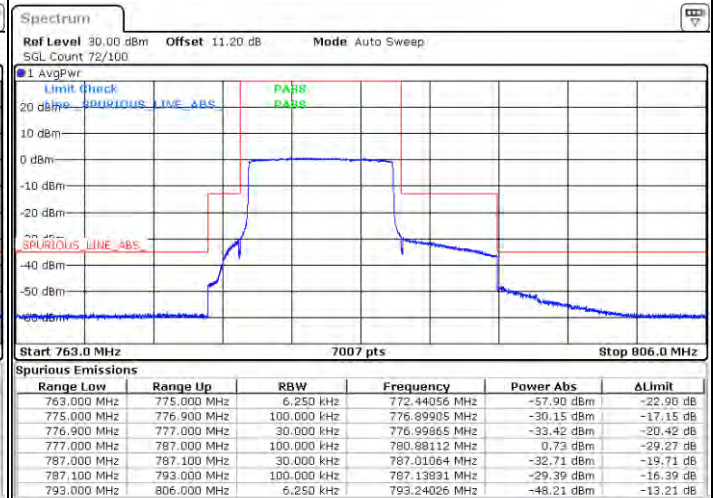
## Band Edge / Full RB



Date: 4.FEB.2025 13:59:53

## IC LTE Band 13 / 10MHz / 256QAM

## Band Edge / Full RB



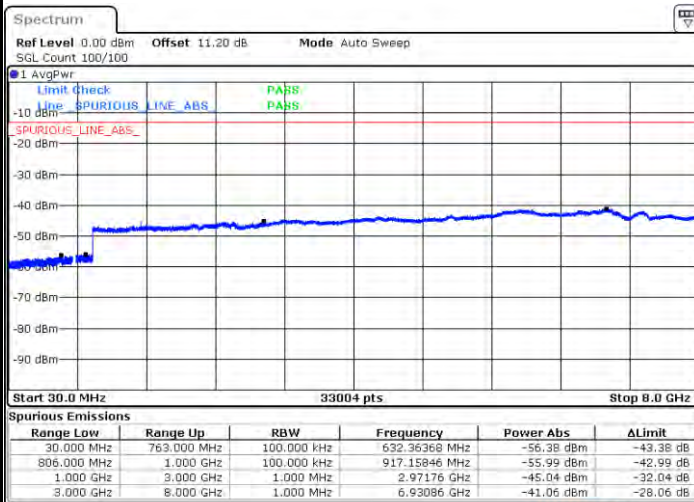
Date: 4.FEB.2025 14:00:56



## Conducted Spurious Emission

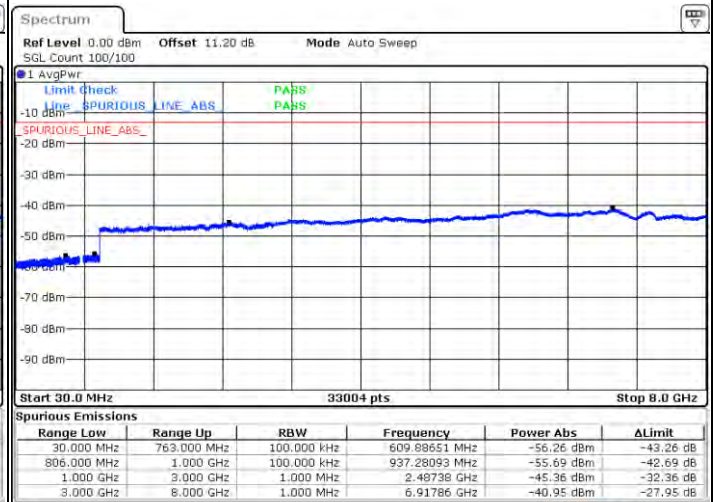
### LTE Band 13 / 5MHz

#### Lowest Channel / QPSK



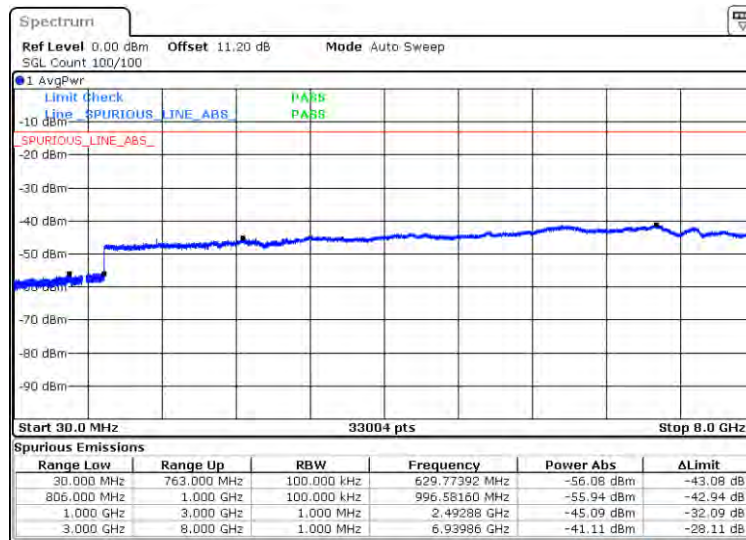
Date: 3.FEB.2025 19:57:17

#### Middle Channel / QPSK



Date: 3.FEB.2025 19:58:31

#### Highest Channel / QPSK

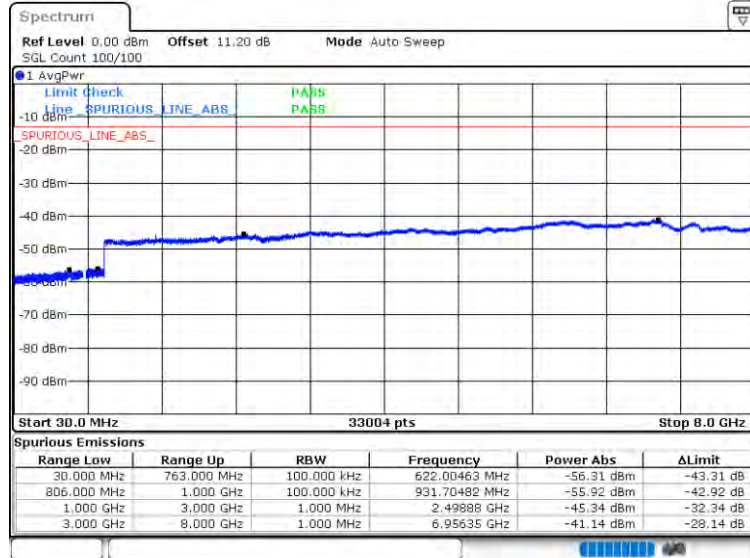


Date: 3.FEB.2025 19:59:46



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 3.FEB.2025 19:37:09

## Frequency Stability

| Test Conditions     |                   | LTE Band 13 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation<br>(ppm)                  | Result  |
| 50                  | Normal Voltage    | 0.0005                              | PASS    |
| 40                  | Normal Voltage    | 0.0032                              |         |
| 30                  | Normal Voltage    | 0.0014                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0008                              |         |
| 0                   | Normal Voltage    | 0.0063                              |         |
| -10                 | Normal Voltage    | 0.0024                              |         |
| -20                 | Normal Voltage    | 0.0041                              |         |
| -30                 | Normal Voltage    | 0.0082                              |         |
| 20                  | Maximum Voltage   | 0.0026                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Minimum Voltage   | 0.0004                              |         |

**Note:**

1. Normal Voltage =3.89 V. ; Minimum Voltage =3.6 V. ; Maximum Voltage =4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 14

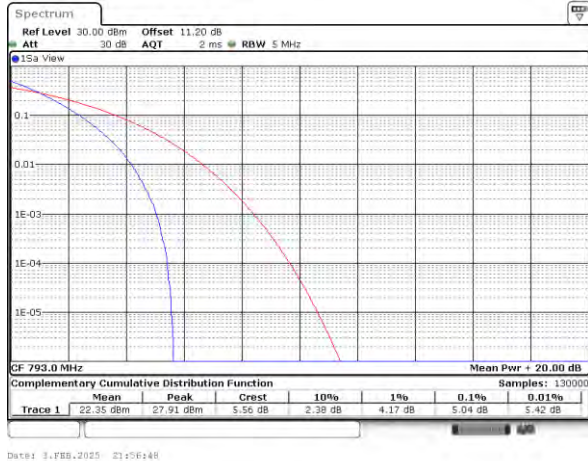
### Peak-to-Average Ratio

| Mode      | LTE Band 14 / 5MHz  |         |         |         |             |
|-----------|---------------------|---------|---------|---------|-------------|
| Mod.      | QPSK                | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Full RB | Full RB | Result      |
| Middle CH | 5.04                | 5.74    | 6.14    | 6.29    | <b>PASS</b> |
| Mode      | LTE Band 14 / 10MHz |         |         |         |             |
| Mod.      | QPSK                | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Full RB | Full RB | Result      |
| Middle CH | 5.10                | 5.97    | 6.35    | 6.26    | <b>PASS</b> |



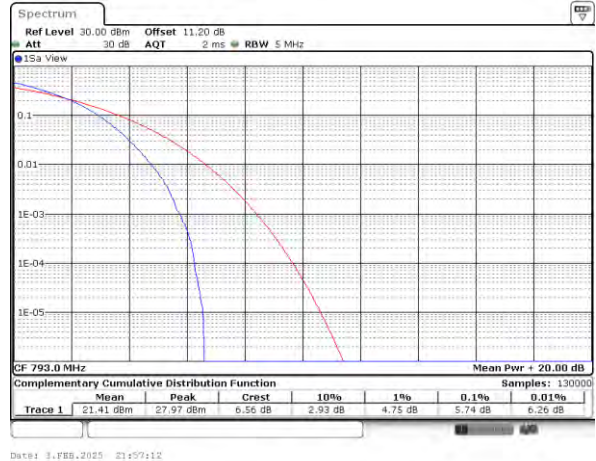
## LTE Band 14 / 5MHz / QPSK

## Middle Channel / Full RB



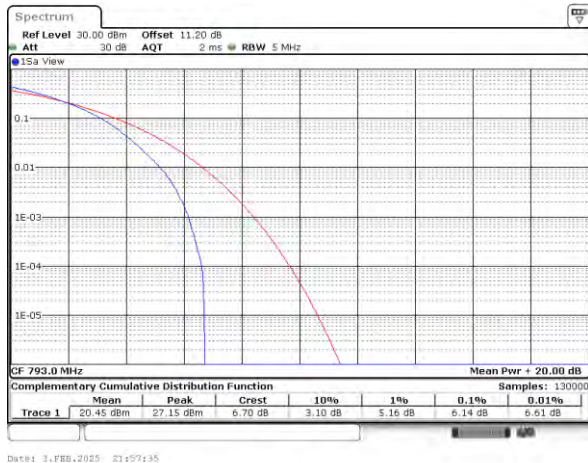
## LTE Band 14 / 5MHz / 16QAM

## Middle Channel / Full RB



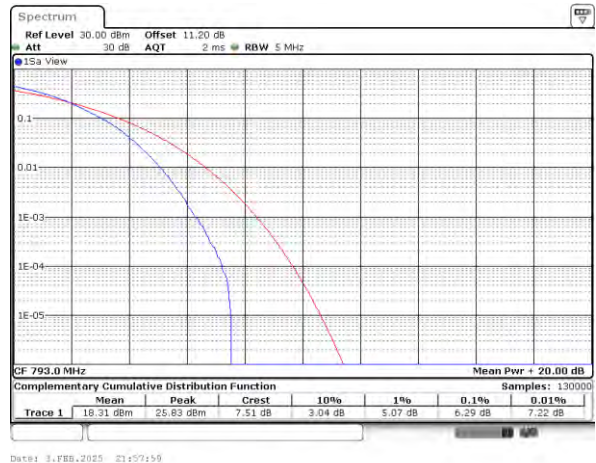
## LTE Band 14 / 5MHz / 64QAM

## Middle Channel / Full RB



## LTE Band 14 / 5MHz / 256QAM

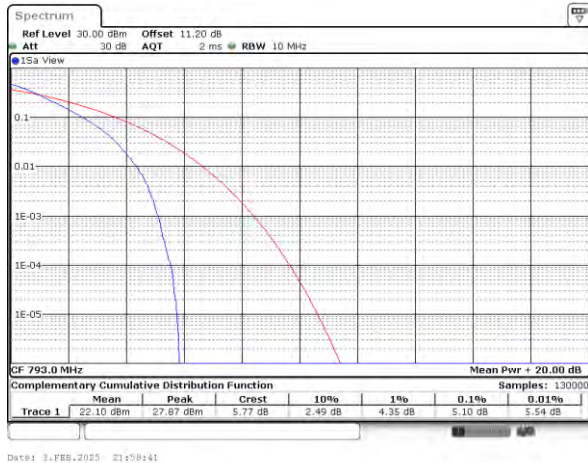
## Middle Channel / Full RB





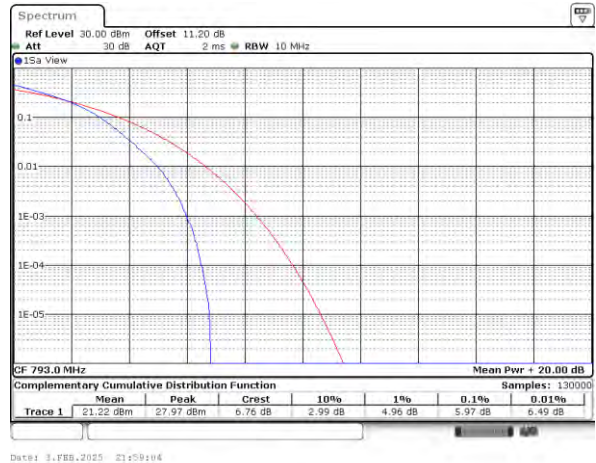
## LTE Band 14 / 10MHz / QPSK

## Middle Channel / Full RB



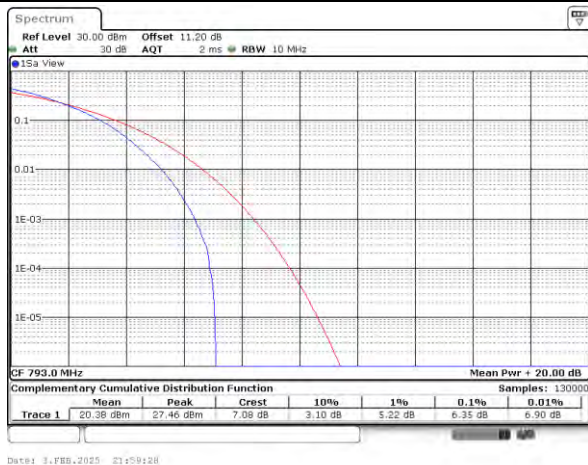
## LTE Band 14 / 10MHz / 16QAM

## Middle Channel / Full RB



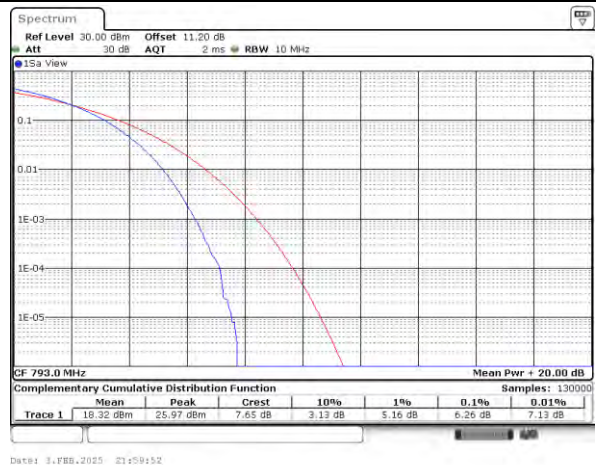
## LTE Band 14 / 10MHz / 64QAM

## Middle Channel / Full RB



## LTE Band 14 / 10MHz / 256QAM

## Middle Channel / Full RB



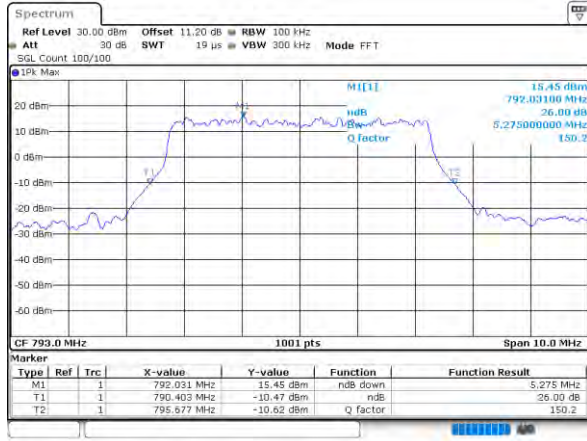
**26dB Bandwidth**

| Mode      | LTE Band 14 : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
|-----------|----------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 1.4MHz                     |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                       | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | -                          | -      | -     | -      | 5.27  | 4.95   | 10.11 | 10.11  | -     | -      | -     | -      |
| Mode      | LTE Band 14 : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                     |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                      | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | -                          | -      | -     | -      | 5.20  | 4.96   | 10.47 | 10.15  | -     | -      | -     | -      |

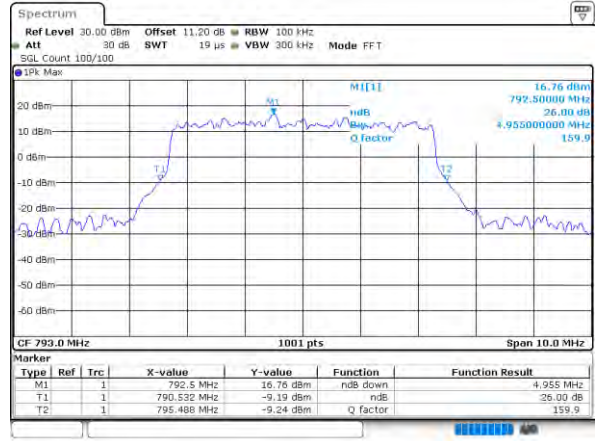


## LTE Band 14

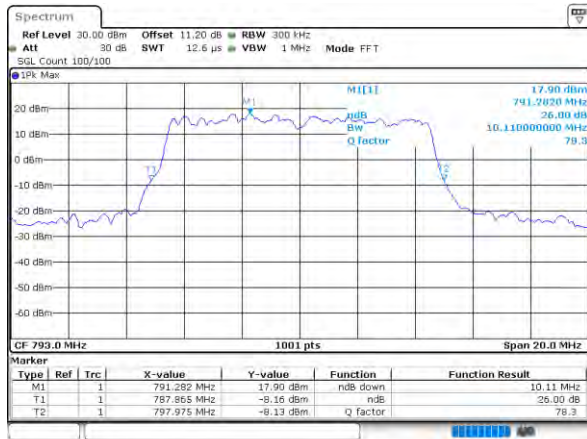
## Middle Channel / 5MHz / QPSK



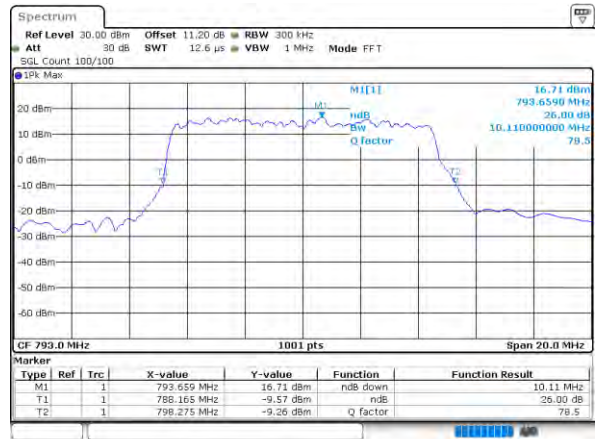
## Middle Channel / 5MHz / 16QAM



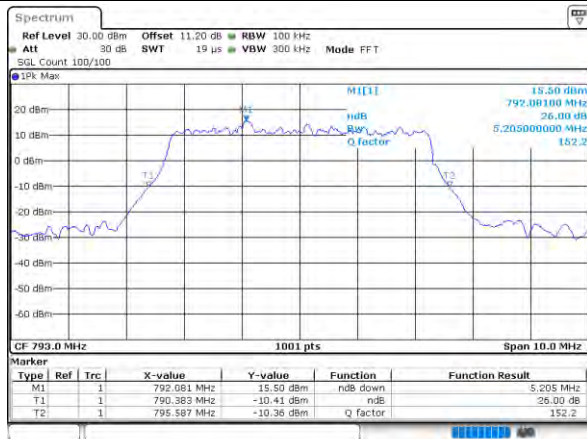
## Middle Channel / 10MHz / QPSK



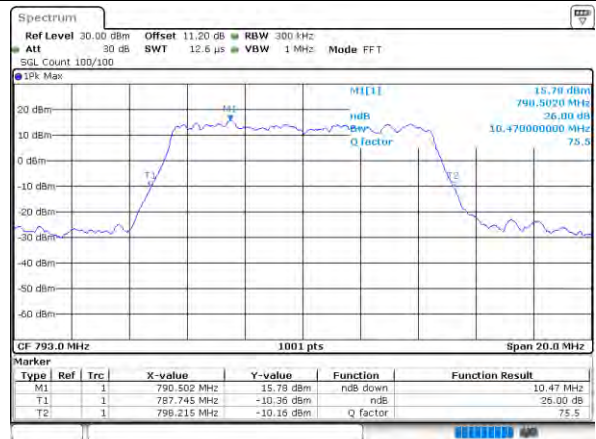
## Middle Channel / 10MHz / 16QAM



## Middle Channel / 5MHz / 64QAM



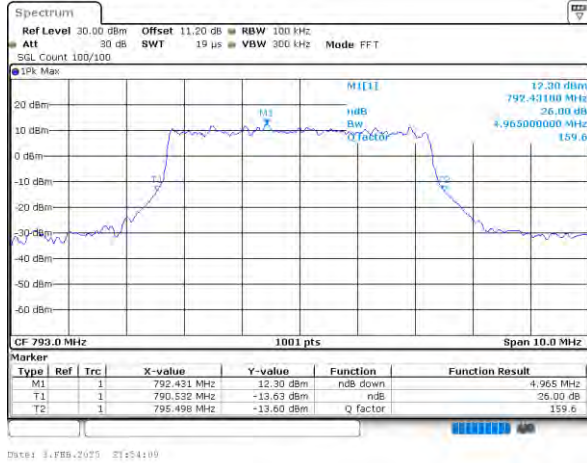
## Middle Channel / 10MHz / 64QAM



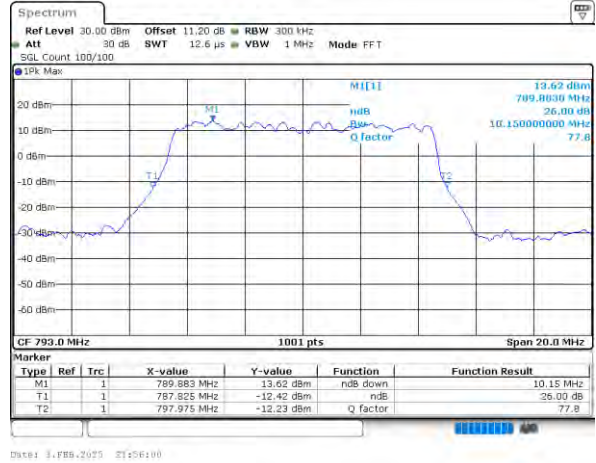


## LTE Band 14

## Middle Channel / 5MHz / 256QAM



## Middle Channel / 10MHz / 256QAM



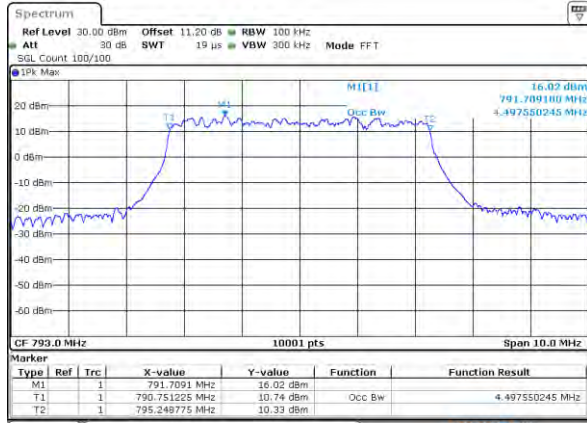
**Occupied Bandwidth**

| Mode      | LTE Band 14 : 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 | -                         | -      | -     | -      | 4.49  | 4.48   | 9.03  | 9.06   | -     | -      | -     | -      |
| Mode      | LTE Band 14 : 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 | -                         | -      | -     | -      | 4.48  | 4.48   | 9.03  | 9.02   | -     | -      | -     | -      |

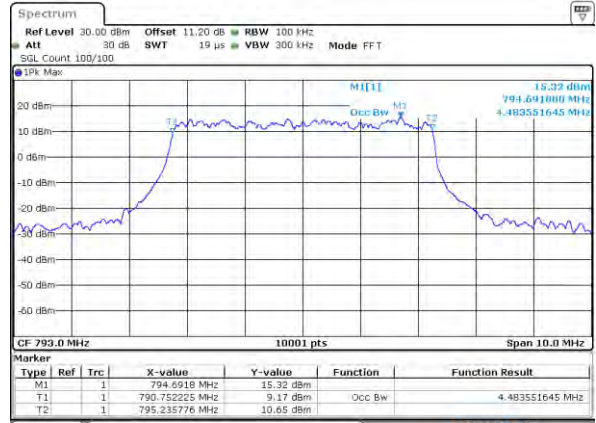


## LTE Band 14

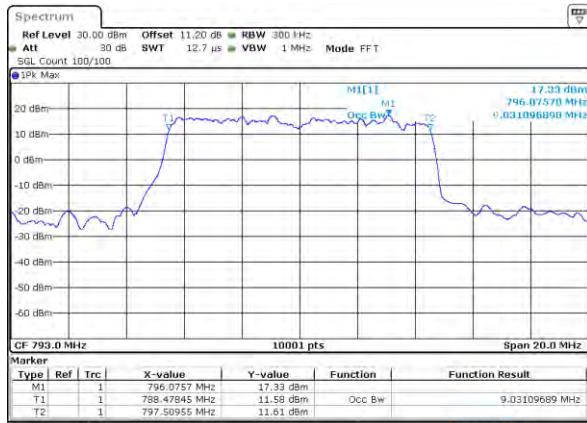
## Middle Channel / 5MHz / QPSK



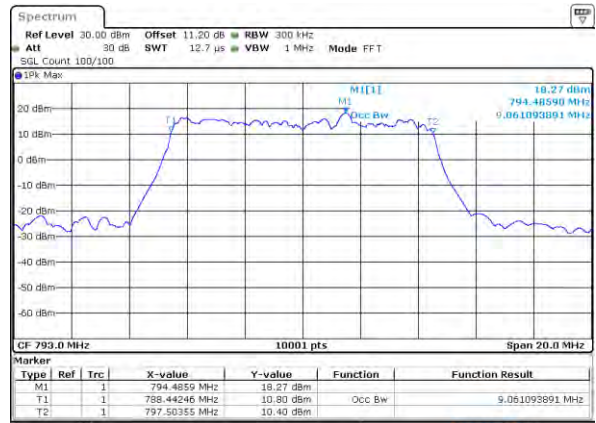
## Middle Channel / 5MHz / 16QAM



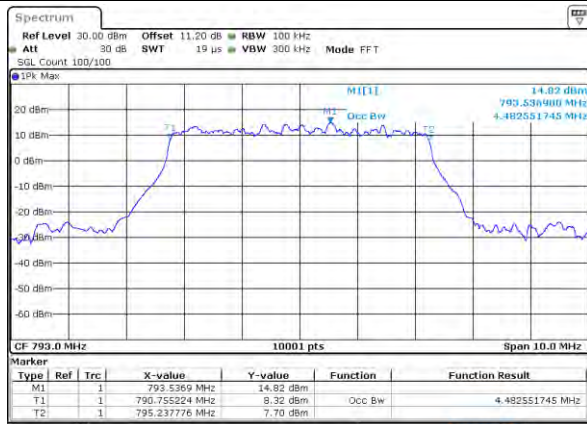
## Middle Channel / 10MHz / QPSK



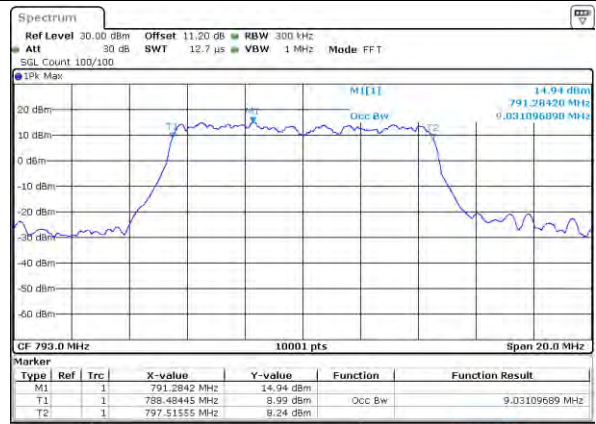
## Middle Channel / 10MHz / 16QAM



## Middle Channel / 5MHz / 64QAM



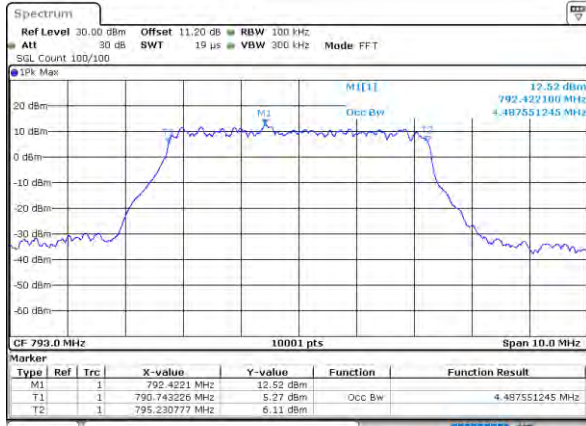
## Middle Channel / 10MHz / 64QAM





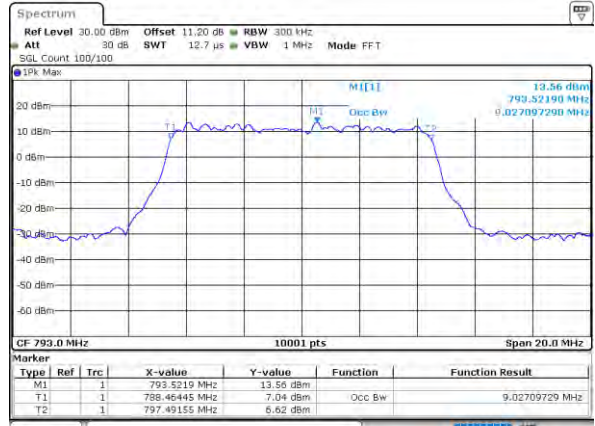
LTE Band 14

Middle Channel / 5MHz / 256QAM

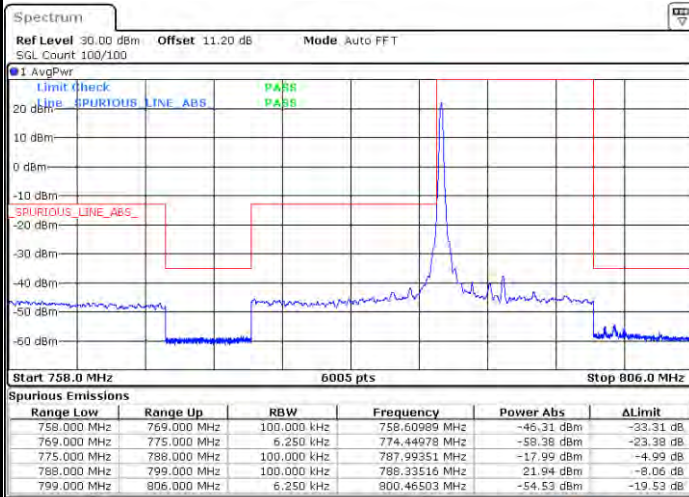
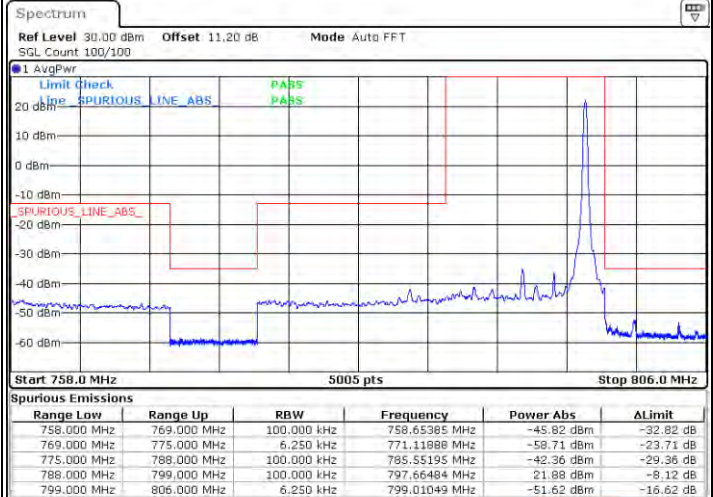
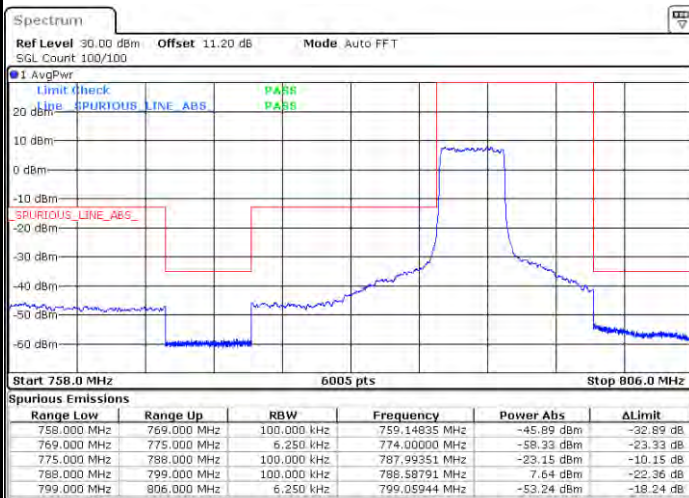
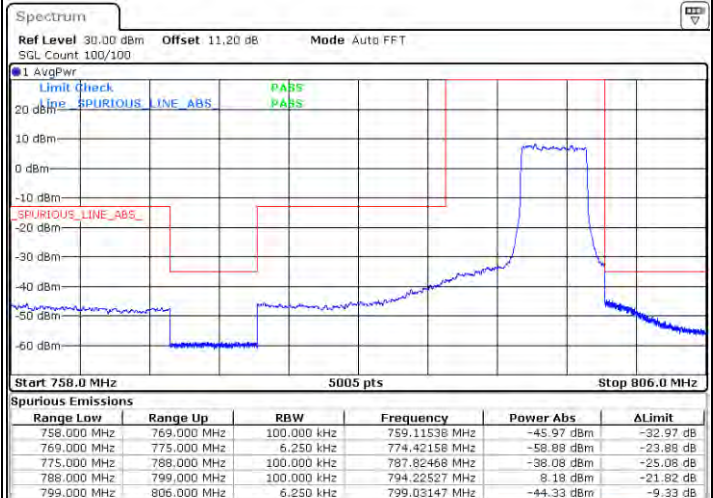


Date: 3.FEB.2025 21:47:33

Middle Channel / 10MHz / 256QAM



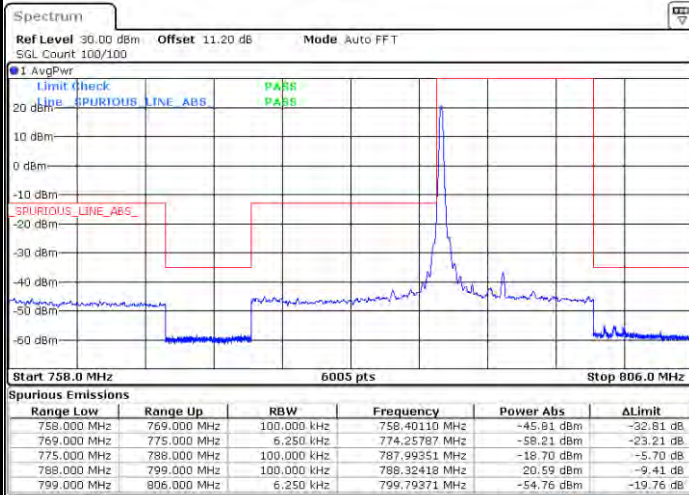
Date: 3.FEB.2025 21:51:41

**Conducted Band Edge****LTE Band 14 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

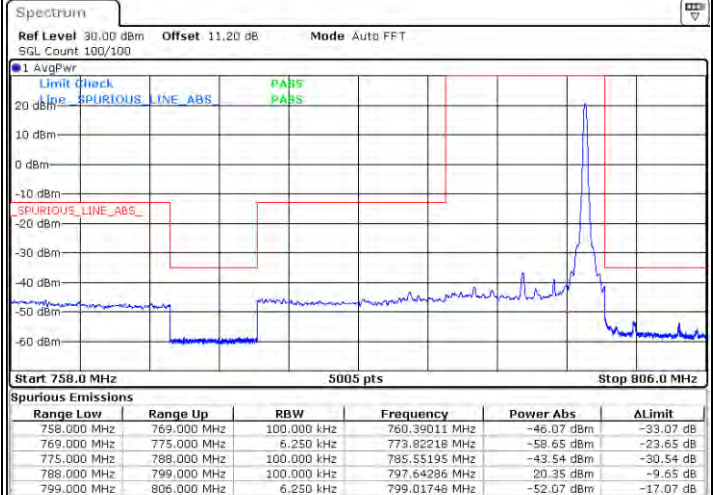


## LTE Band 14 / 5MHz / 16QAM

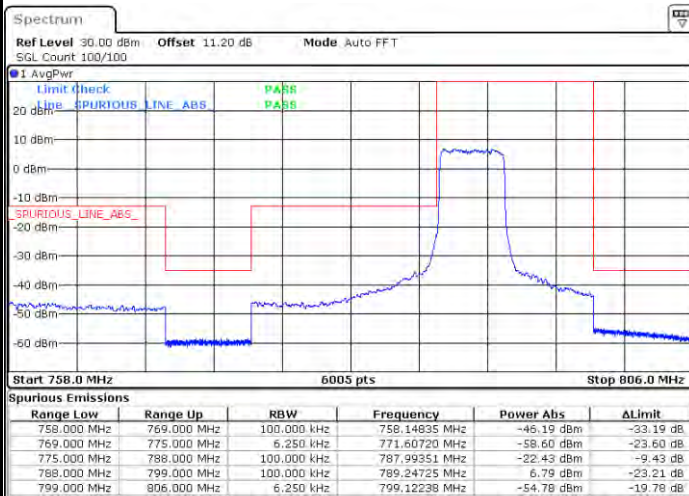
## Lowest Band Edge / 1 RB



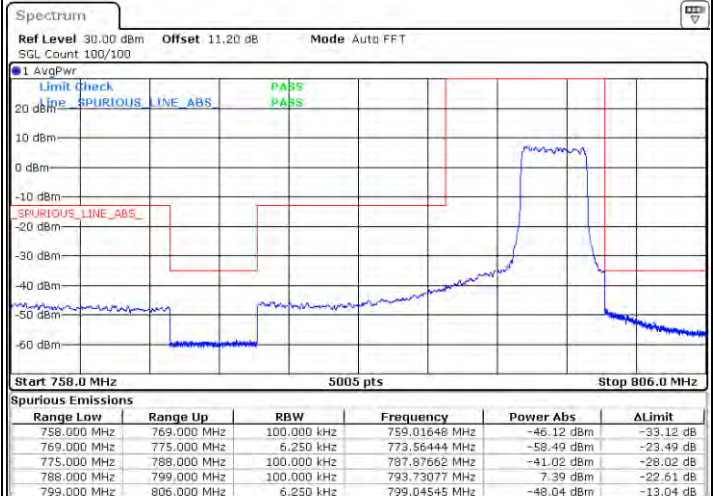
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



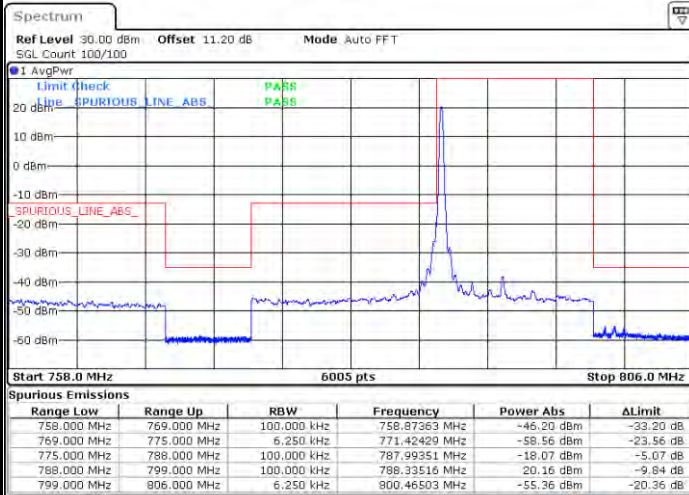
## Highest Band Edge / Full RB



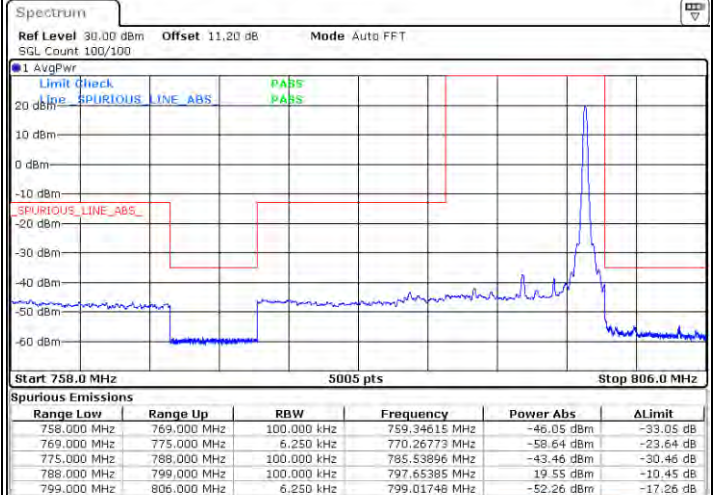


## LTE Band 14 / 5MHz / 64QAM

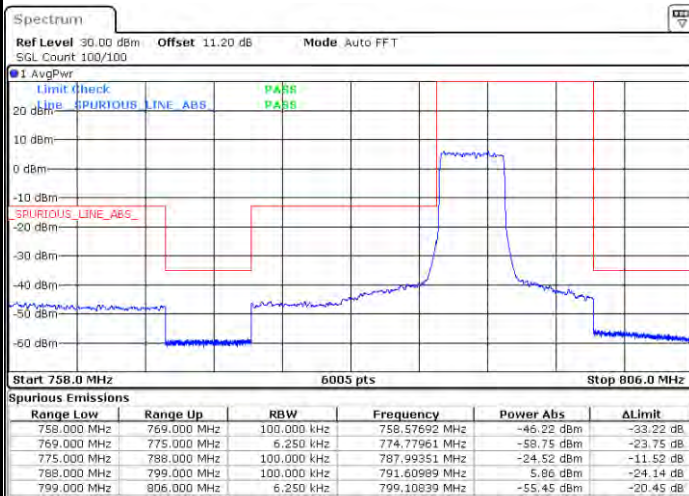
## Lowest Band Edge / 1 RB



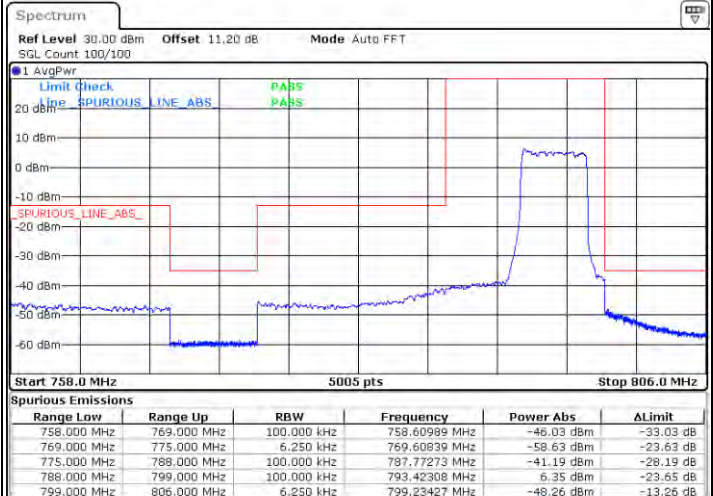
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



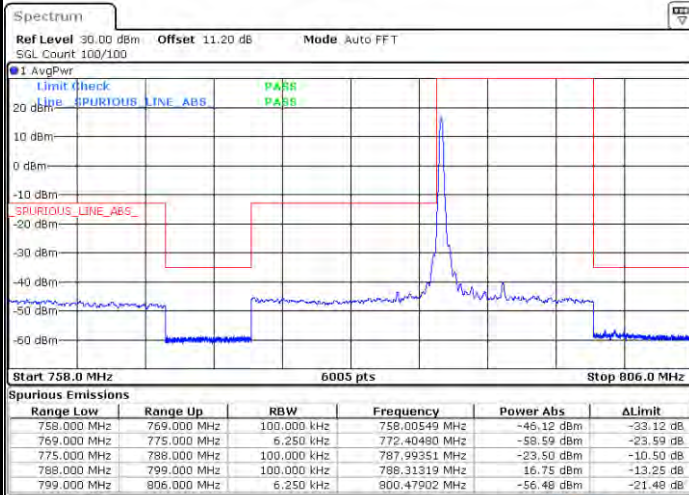
## Highest Band Edge / Full RB



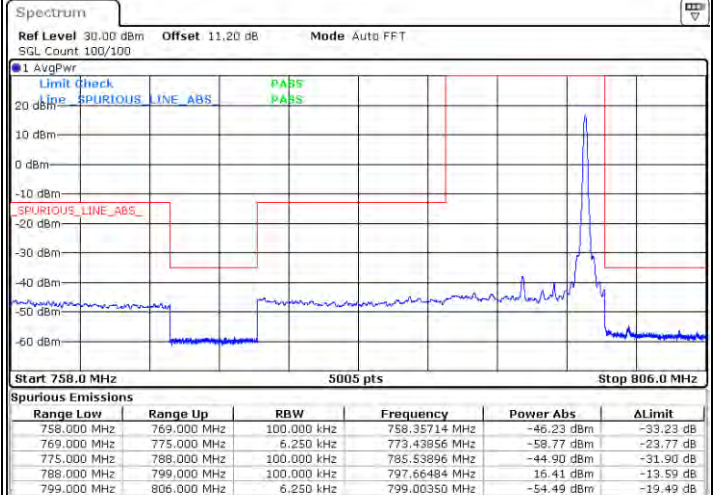


## LTE Band 14 / 5MHz / 256QAM

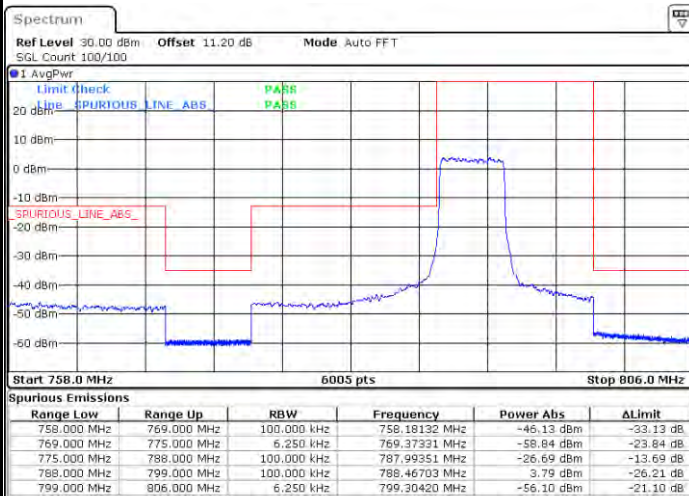
## Lowest Band Edge / 1 RB



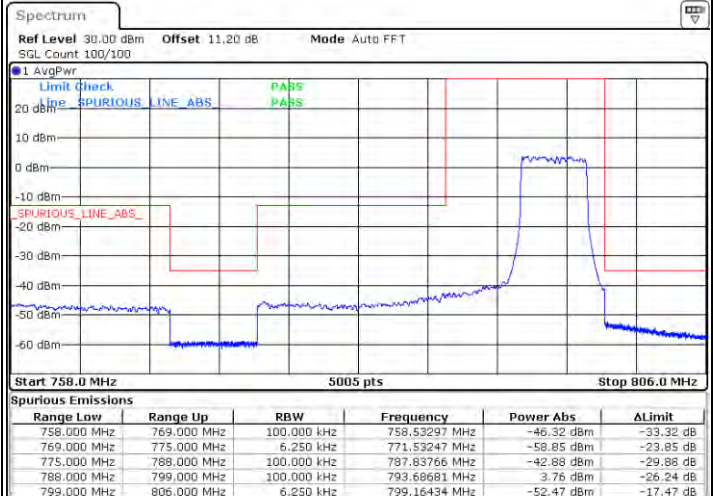
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



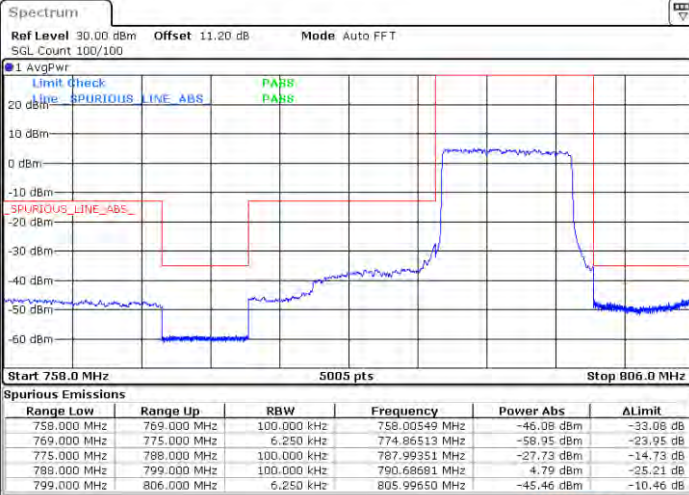
## Highest Band Edge / Full RB





## LTE Band 14 / 10MHz / QPSK

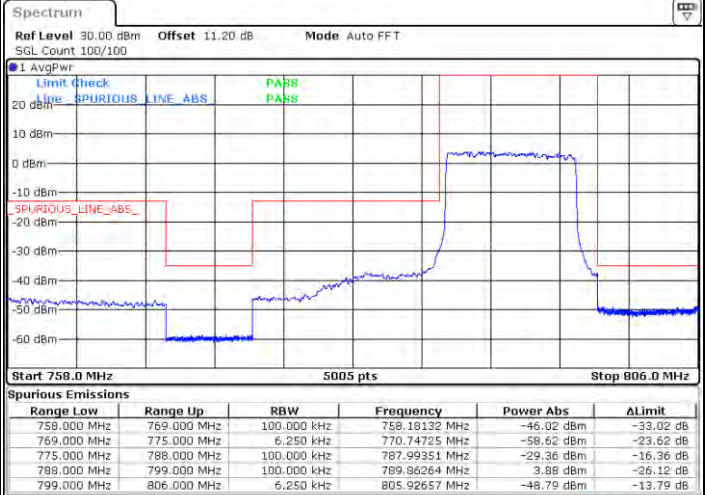
## Band Edge / Full RB



Date: 3.FEB.2025 20:11:23

## LTE Band 14 / 10MHz / 16QAM

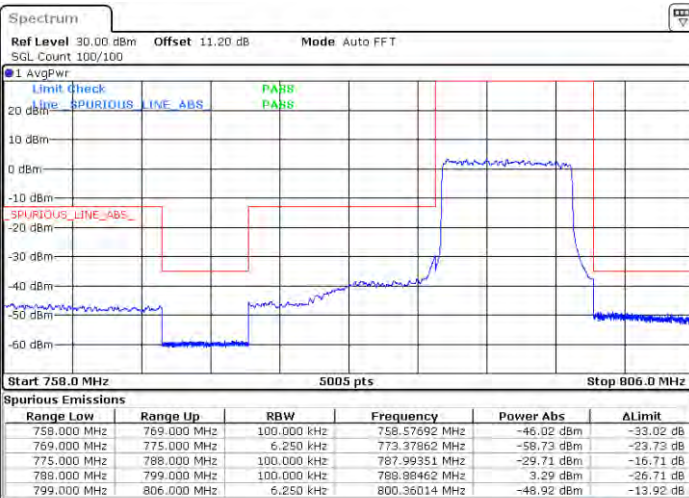
## Band Edge / Full RB



Date: 3.FEB.2025 20:13:20

## LTE Band 14 / 10MHz / 64QAM

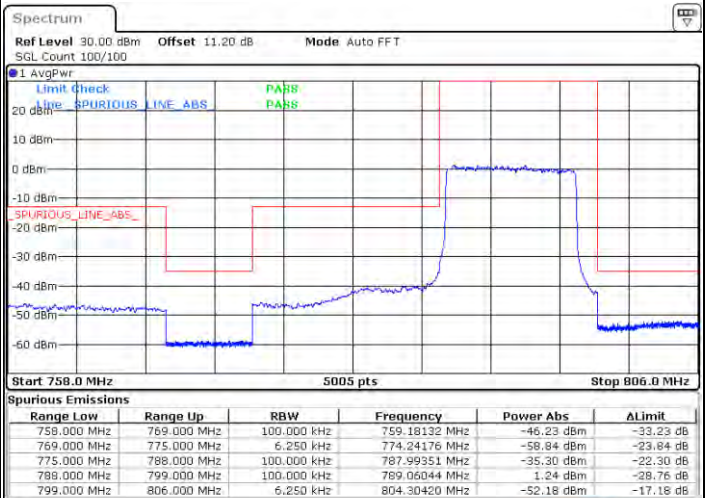
## Band Edge / Full RB



Date: 3.FEB.2025 20:11:17

## LTE Band 14 / 10MHz / 256QAM

## Band Edge / Full RB



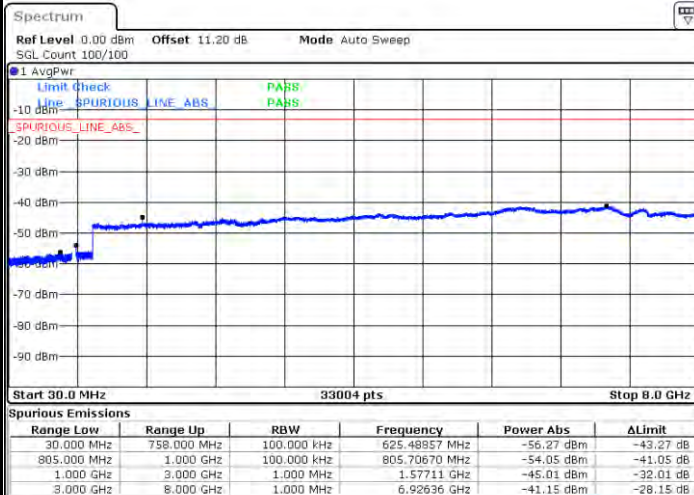
Date: 3.FEB.2025 20:14:13



# Conducted Spurious Emission

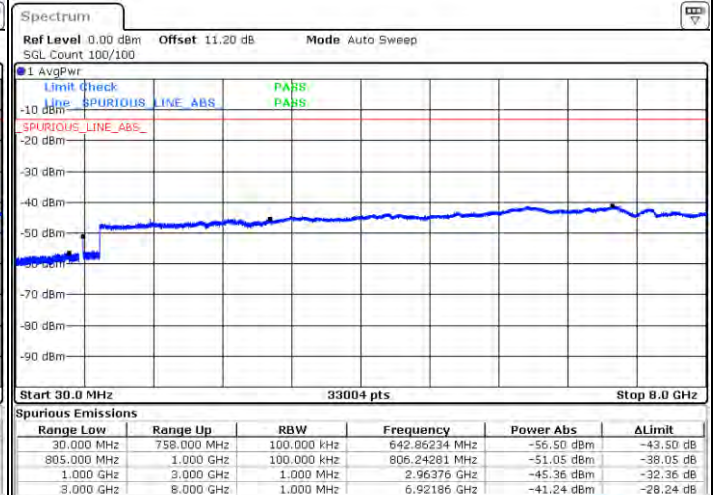
## LTE Band 14 / 5MHz

### Lowest Channel / QPSK



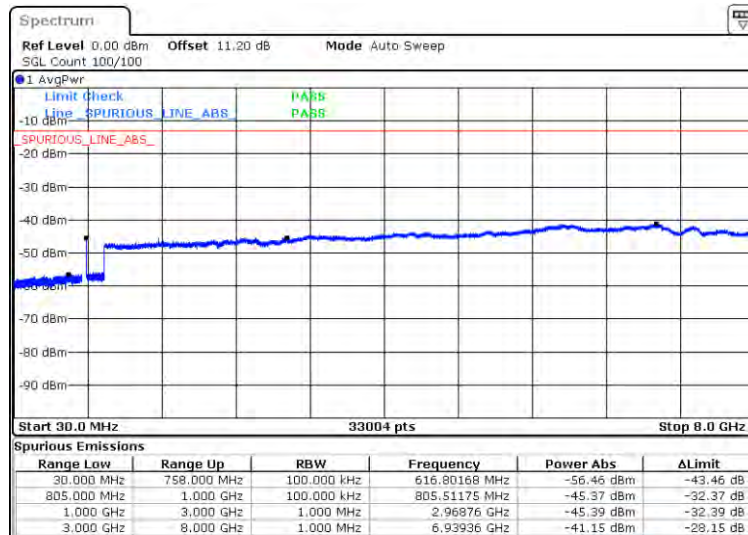
Date: 3.FEB.2025 22:01:23

### Middle Channel / QPSK



Date: 3.FEB.2025 22:03:33

### Highest Channel / QPSK

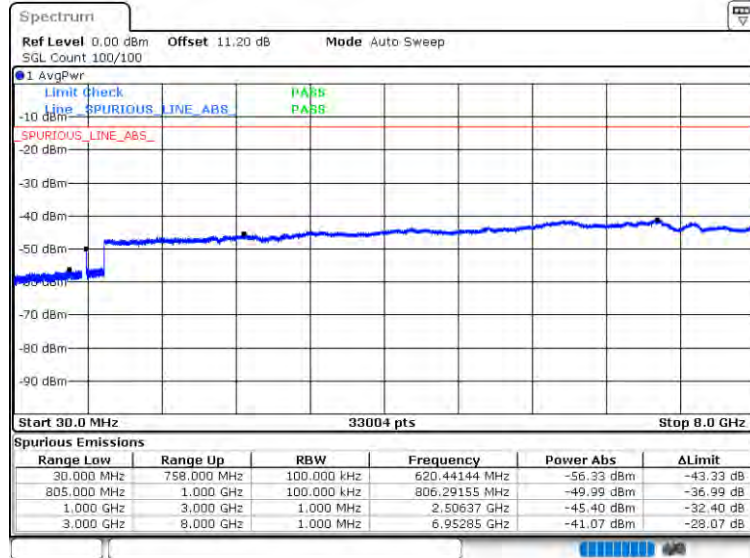


Date: 3.FEB.2025 22:03:47

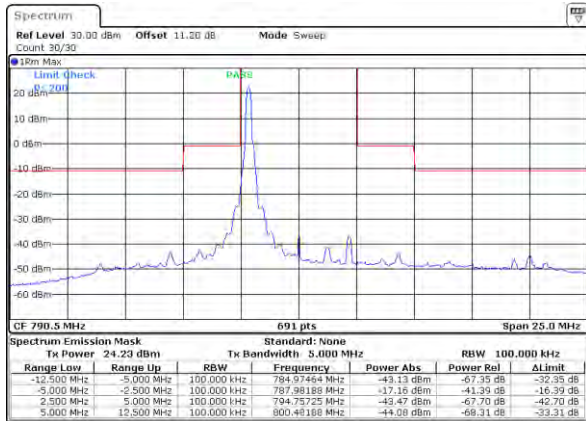


LTE Band 14 / 10MHz

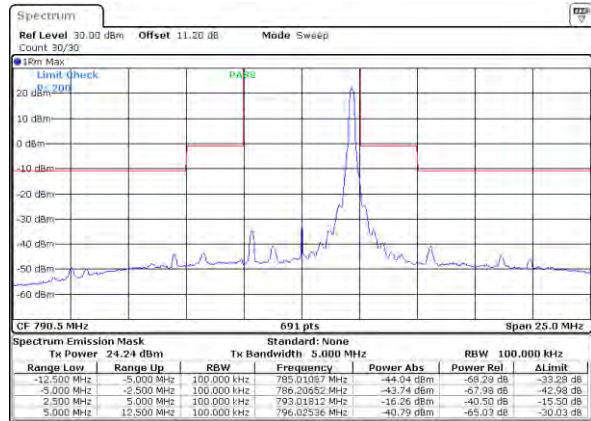
Middle Channel / QPSK



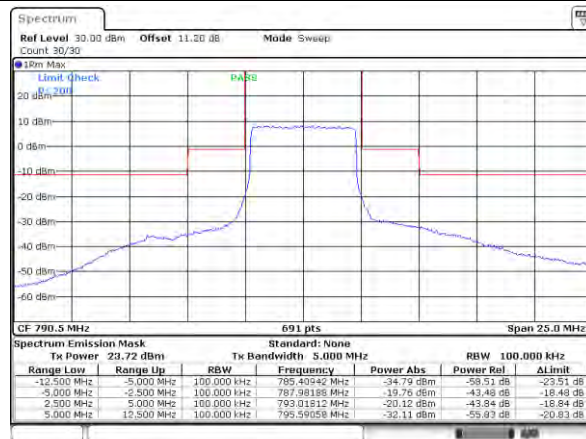
Date: 3.FEB.2025 22:05:26

**Mask****LTE Band 14 / 5MHz / QPSK****Lowest Channel / 1RB**

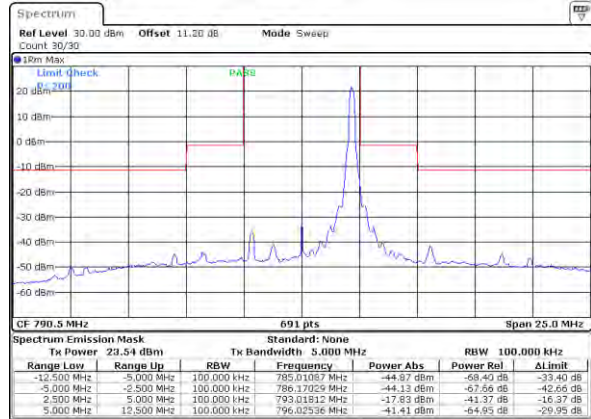
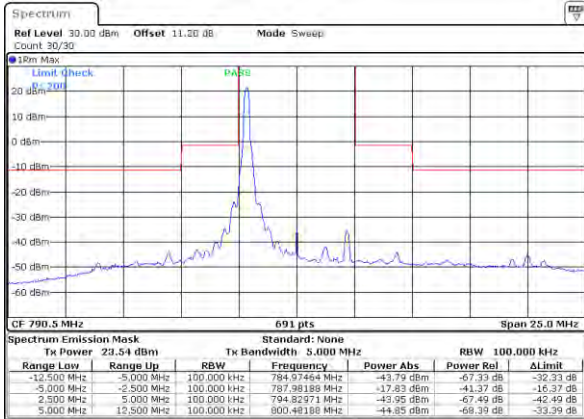
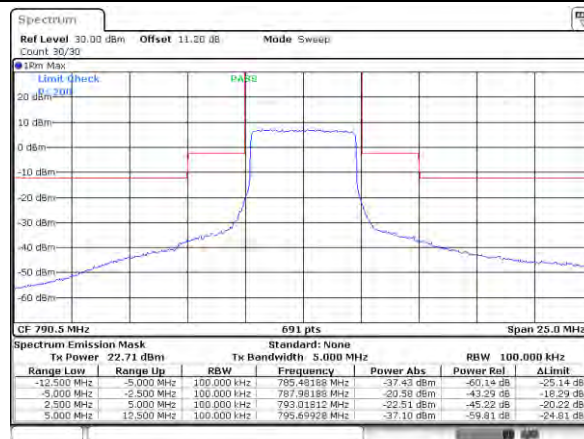
Date: 3.FEB.2025 20:23:47

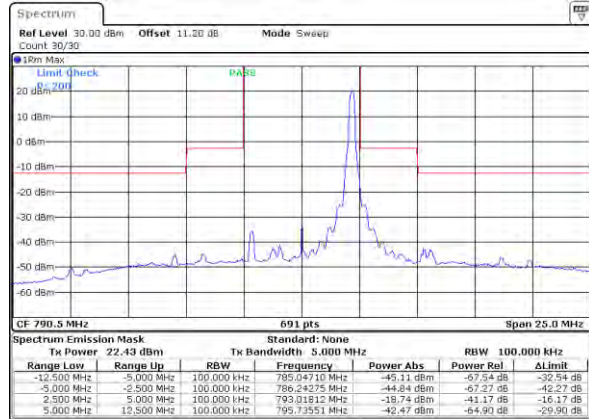
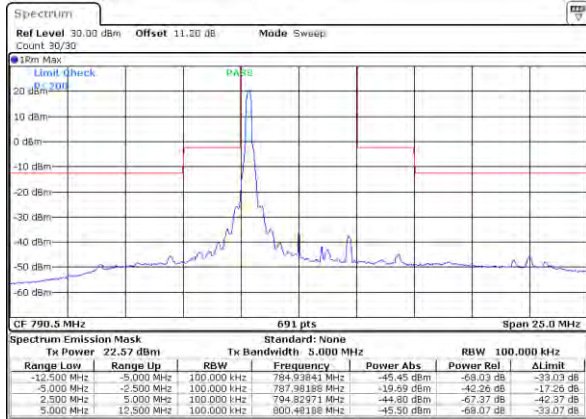
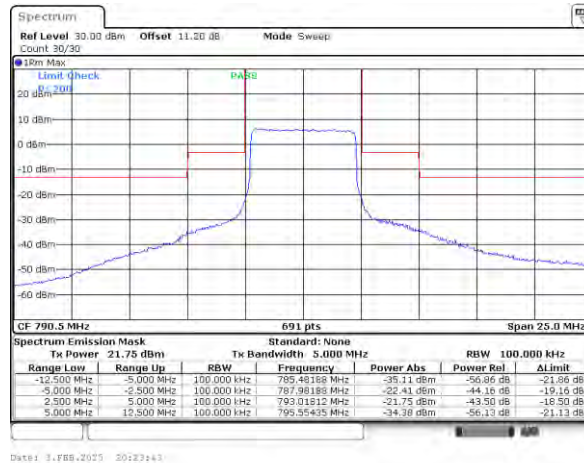


Date: 3.FEB.2025 20:23:56

**Lowest Channel / Full RB**

Date: 3.FEB.2025 20:21:19

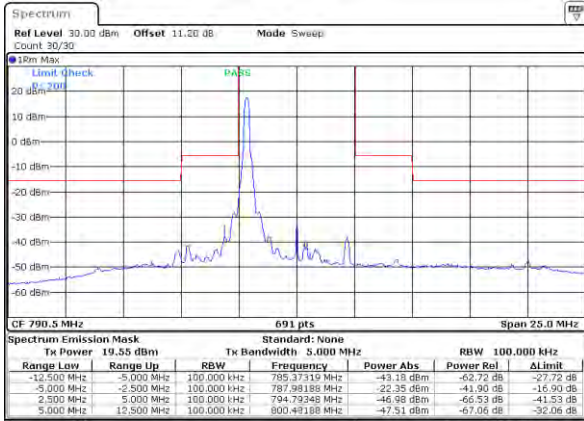
**LTE Band 14 / 5MHz / 16QAM**
**Lowest Channel / 1RB**

**Lowest Channel / Full RB**


**LTE Band 14 / 5MHz / 64QAM**
**Lowest Channel / 1RB**

**Lowest Channel / Full RB**


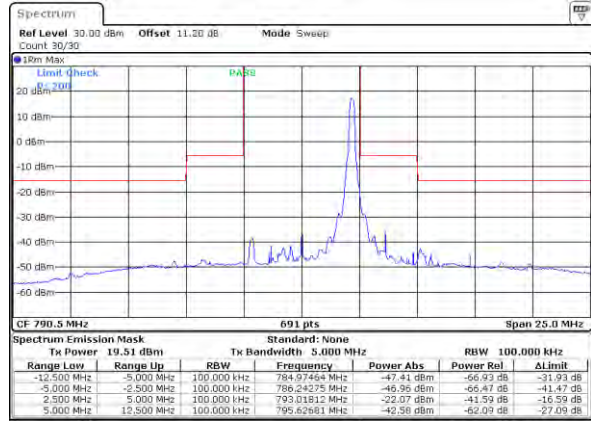


## LTE Band 14 / 5MHz / 256QAM

## Lowest Channel / 1RB

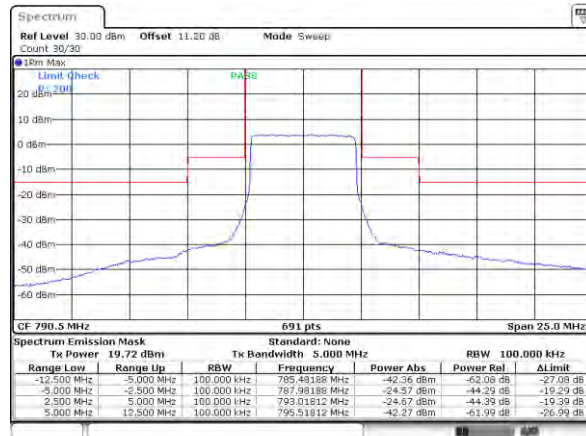


Date: 3.FEB.2025 20:29:53

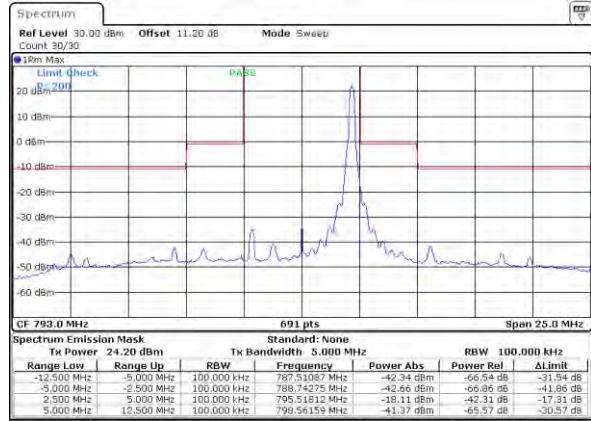
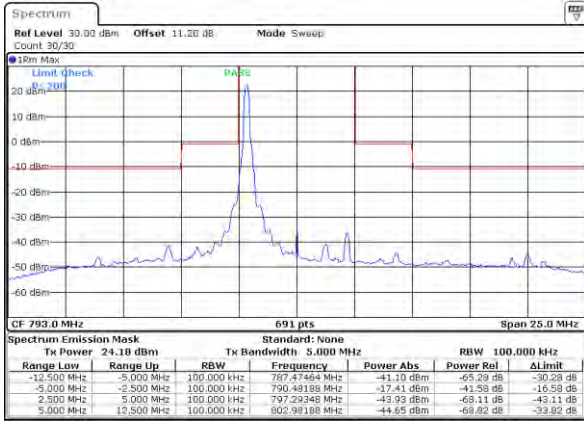


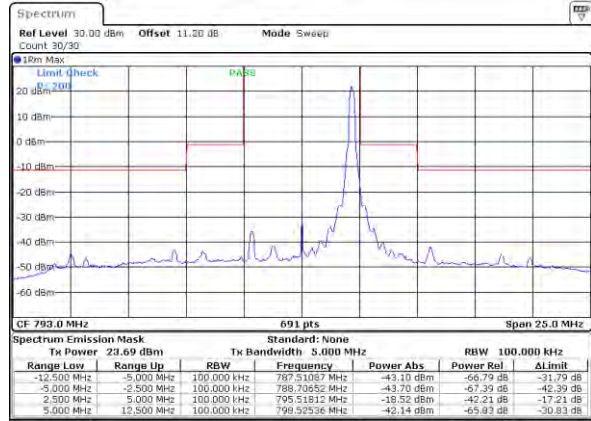
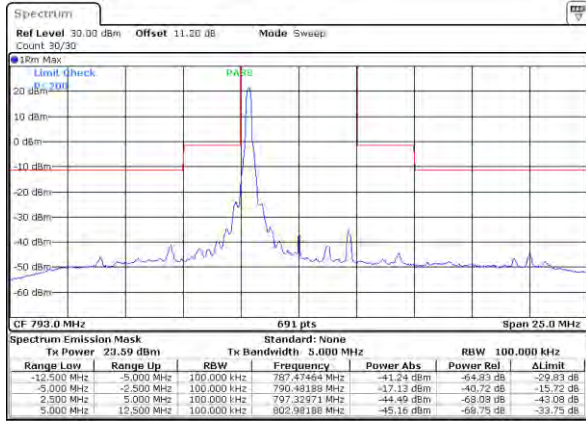
Date: 3.FEB.2025 20:33:01

## Lowest Channel / Full RB



Date: 3.FEB.2025 20:24:45

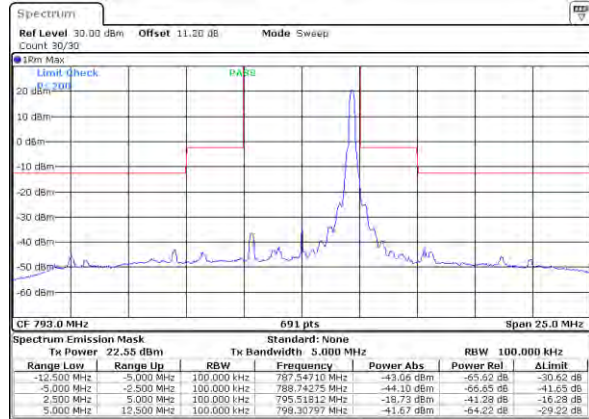
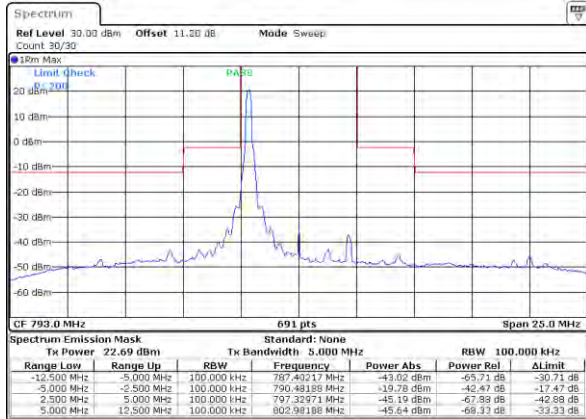
**LTE Band 14 / 5MHz / QPSK**
**Middle Channel / 1RB**

**Middle Channel / Full RB**


**LTE Band 14 / 5MHz / 16QAM**
**Middle Channel / 1RB**

**Middle Channel / Full RB**

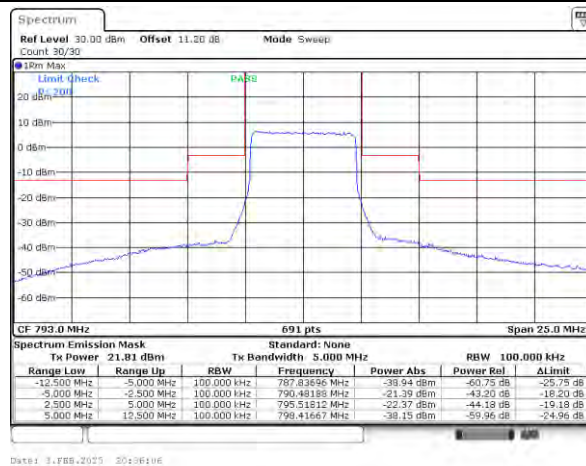


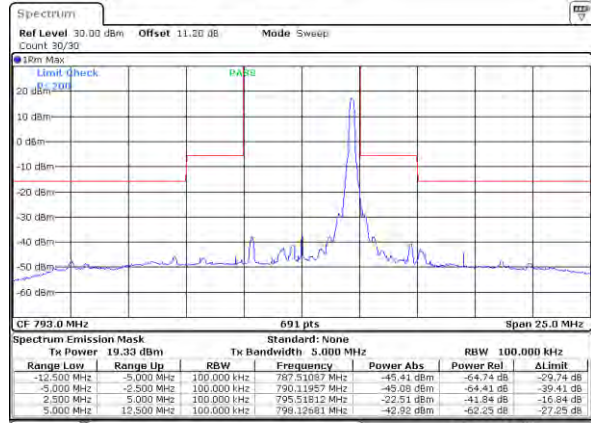
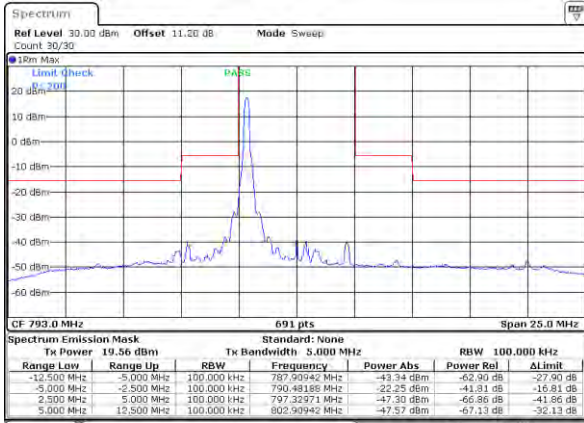
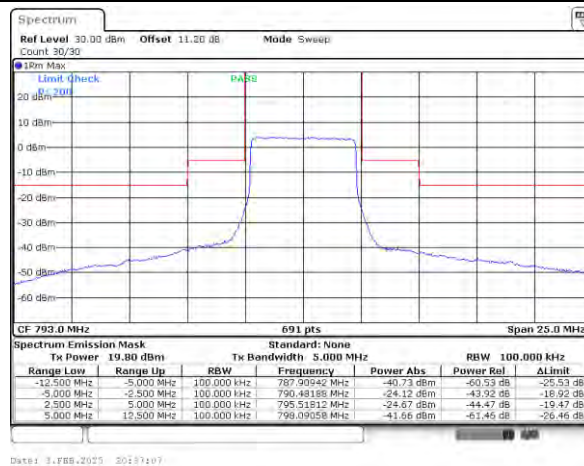

## LTE Band 14 / 5MHz / 64QAM

## Middle Channel / 1RB



## Middle Channel / Full RB

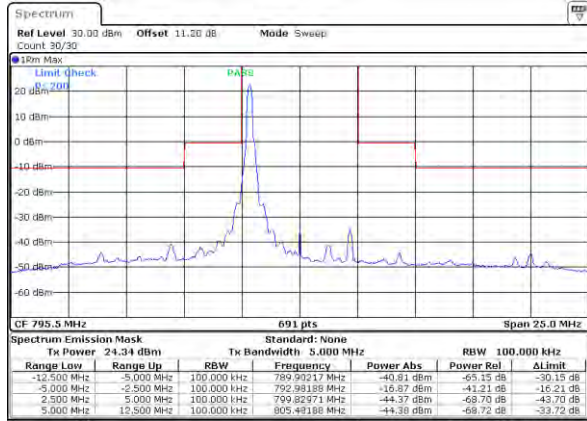


**LTE Band 14 / 5MHz / 256QAM**
**Middle Channel / 1RB**

**Middle Channel / Full RB**


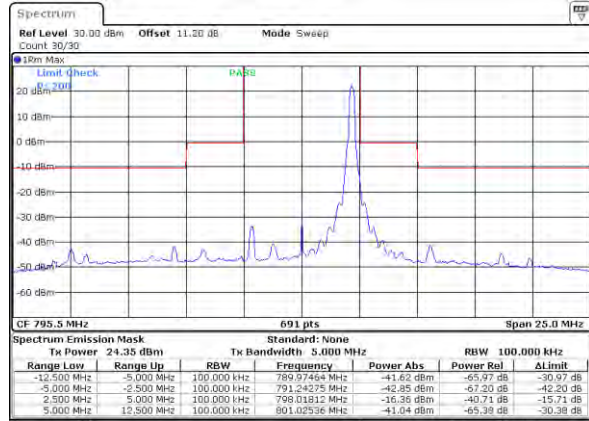


## LTE Band 14 / 5MHz / QPSK

## Highest Channel / 1RB

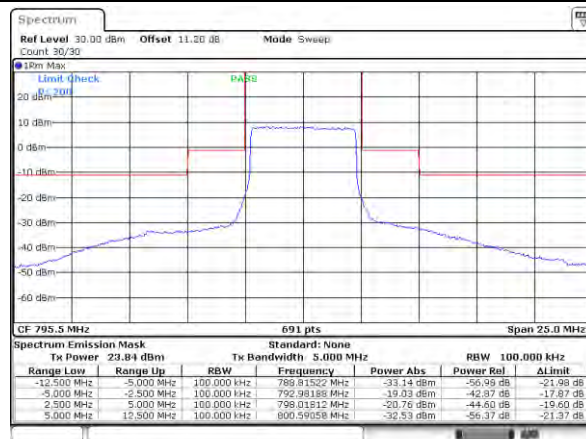


Date: 3.FEB.2025 20:15:28



Date: 3.FEB.2025 20:14:36

## Highest Channel / Full RB

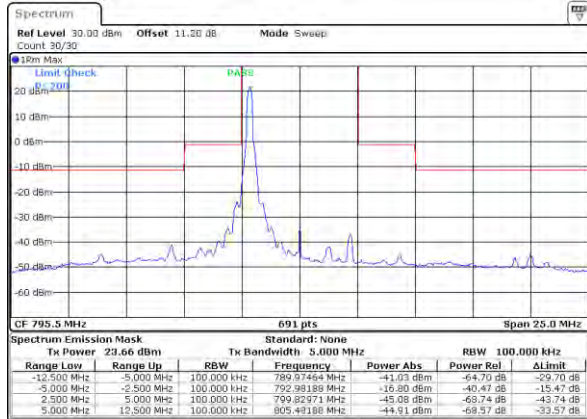


Date: 3.FEB.2025 20:46:10

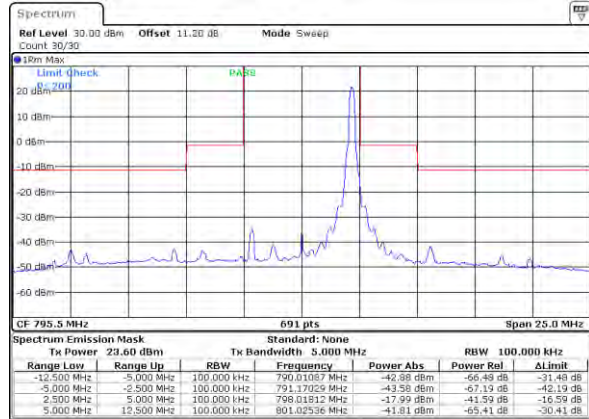


## LTE Band 14 / 5MHz / 16QAM

## Highest Channel / 1RB

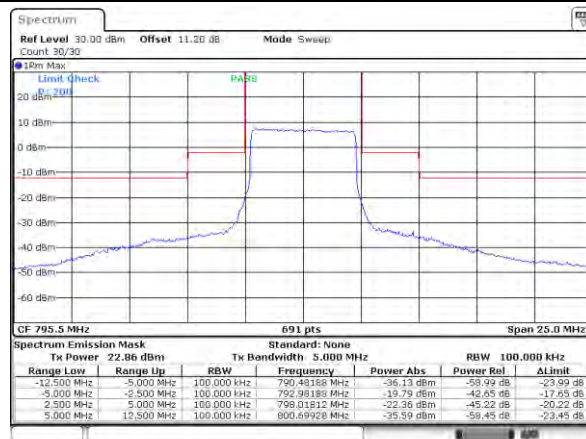


Date: 3.FEB.2025 20:51:30



Date: 3.FEB.2025 20:58:33

## Highest Channel / Full RB

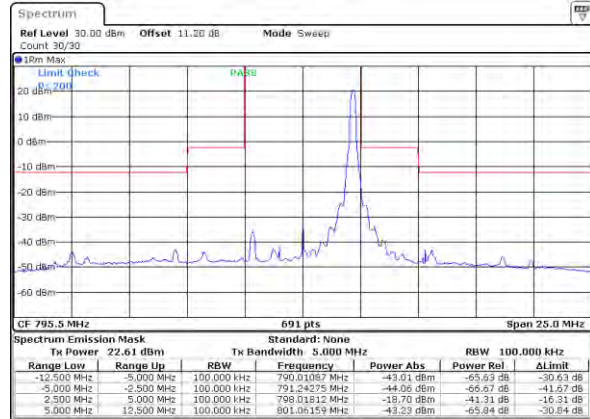
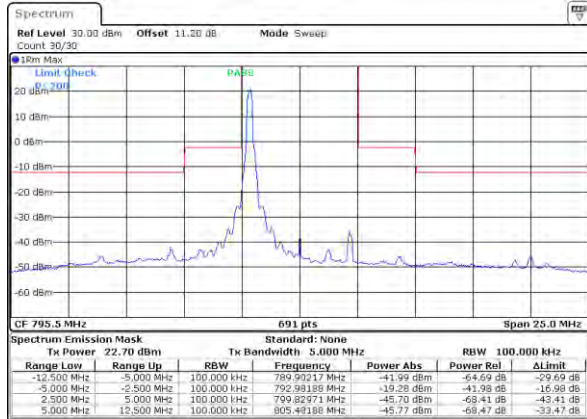


Date: 3.FEB.2025 20:47:22

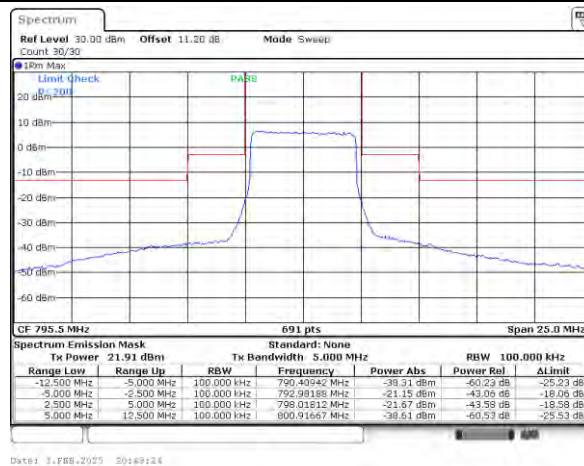


## LTE Band 14 / 5MHz / 64QAM

## Highest Channel / 1RB



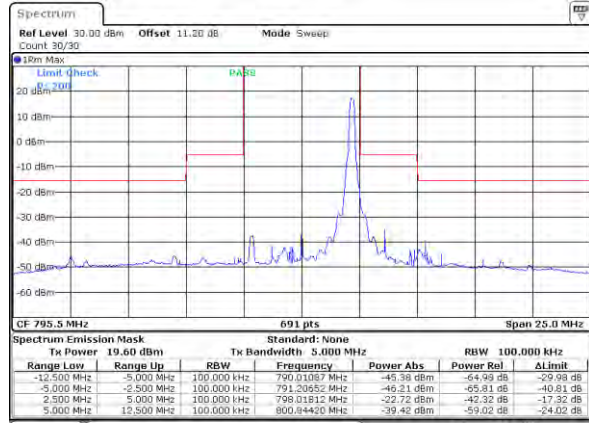
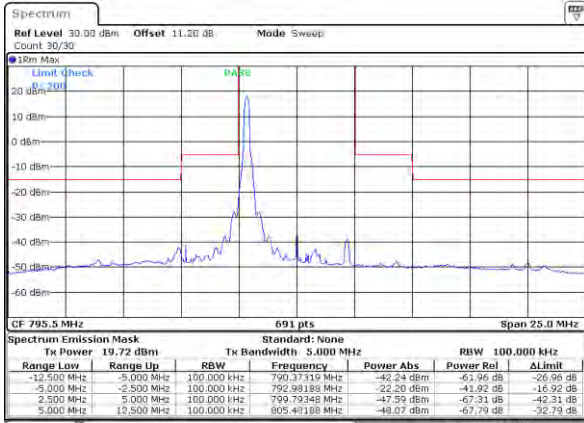
## Highest Channel / Full RB



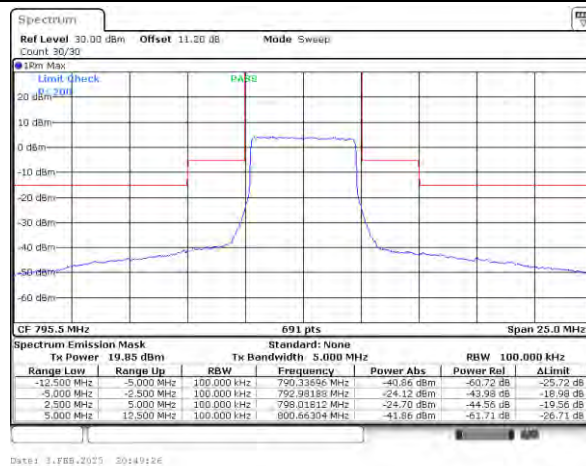


## LTE Band 14 / 5MHz / 256QAM

## Highest Channel / 1RB



## Highest Channel / Full RB





## LTE Band 14 / 10MHz / QPSK

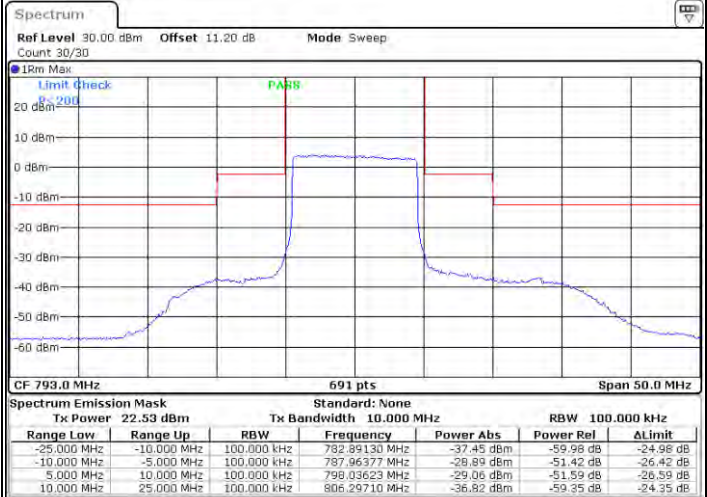
## Middle Channel / Full RB



Date: 3.FEB.2025 21:01:59

## LTE Band 14 / 10MHz / 16QAM

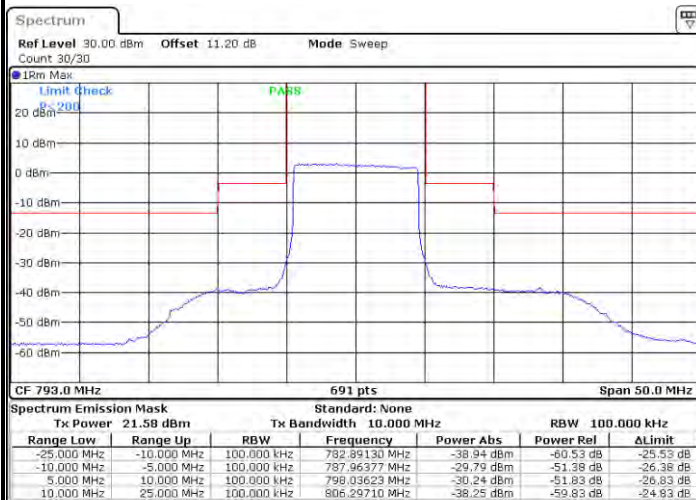
## Middle Channel / Full RB



Date: 3.FEB.2025 21:01:00

## LTE Band 14 / 10MHz / 64QAM

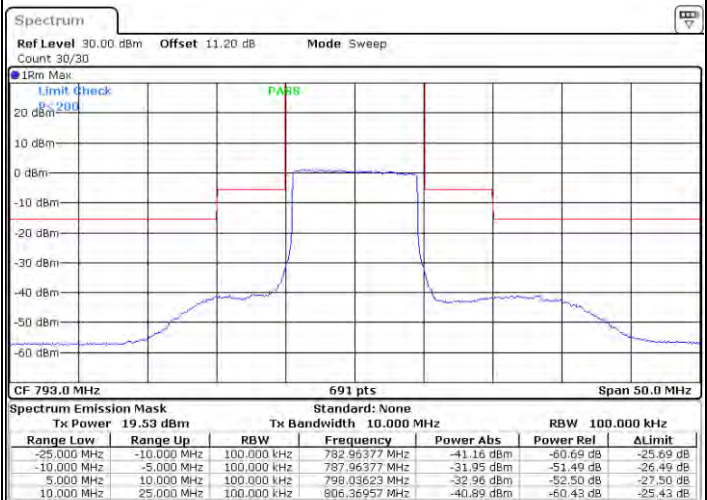
## Middle Channel / Full RB



Date: 3.FEB.2025 21:04:01

## LTE Band 14 / 10MHz / 256QAM

## Middle Channel / Full RB



Date: 3.FEB.2025 21:05:02

## Frequency Stability

| Test Conditions     |                   | LTE Band 14 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation (ppm)                     | Result  |
| 50                  | Normal Voltage    | 0.0033                              | PASS    |
| 40                  | Normal Voltage    | 0.0016                              |         |
| 30                  | Normal Voltage    | 0.0014                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0034                              |         |
| 0                   | Normal Voltage    | 0.0045                              |         |
| -10                 | Normal Voltage    | 0.0038                              |         |
| 20                  | Maximum Voltage   | 0.0019                              |         |
| 20                  | Normal Voltage    | 0.0000                              |         |
| 20                  | Minimum Voltage   | 0.0026                              |         |

**Note:**

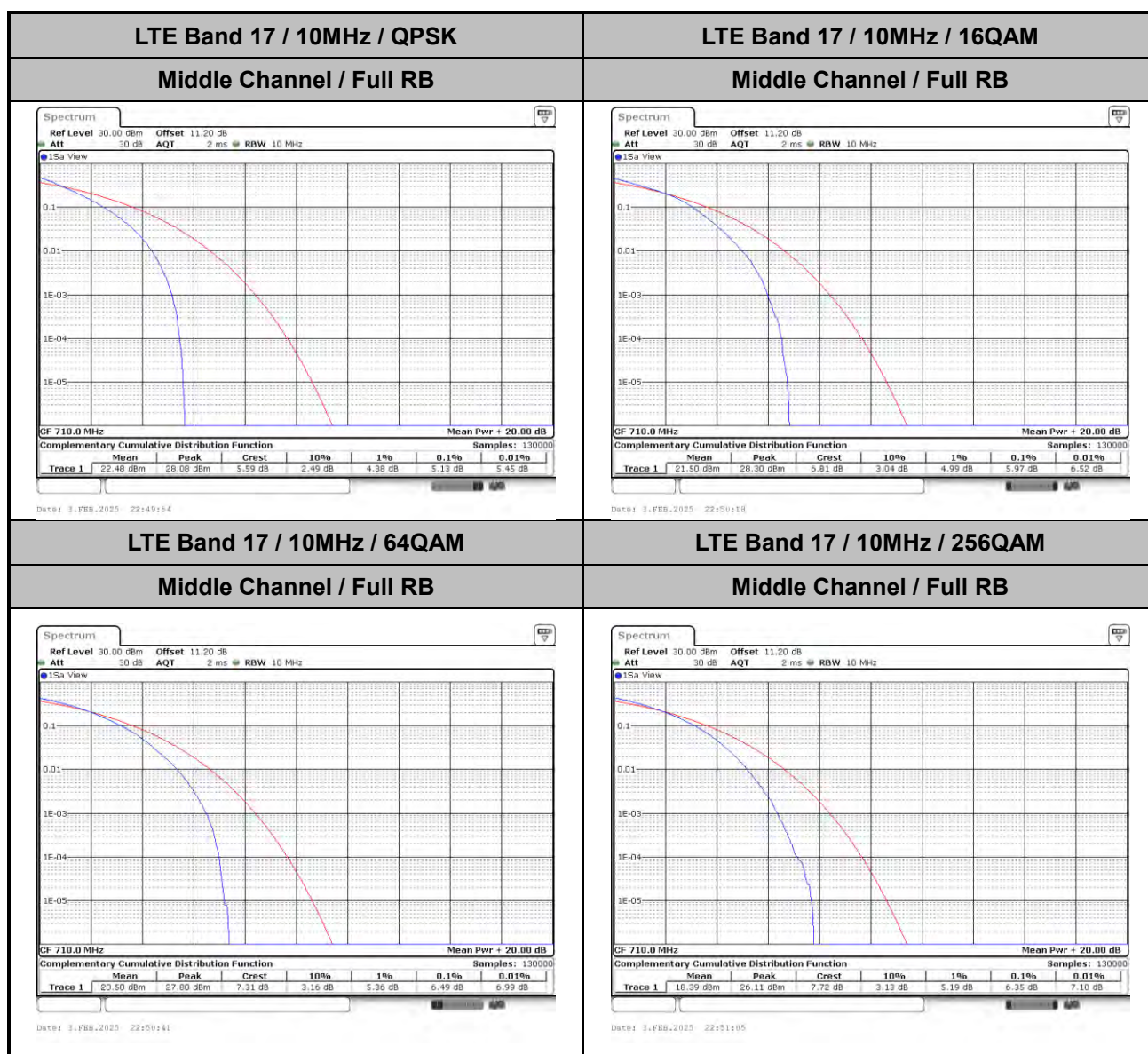
1. Normal Voltage = 3.89 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 17

## Peak-to-Average Ratio

| Mode      | LTE Band 17 / 10MHz |         |         |         |             |
|-----------|---------------------|---------|---------|---------|-------------|
| Mod.      | QPSK                | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Full RB | Full RB | Result      |
| Middle CH | 5.13                | 5.97    | 6.49    | 6.35    | PASS        |



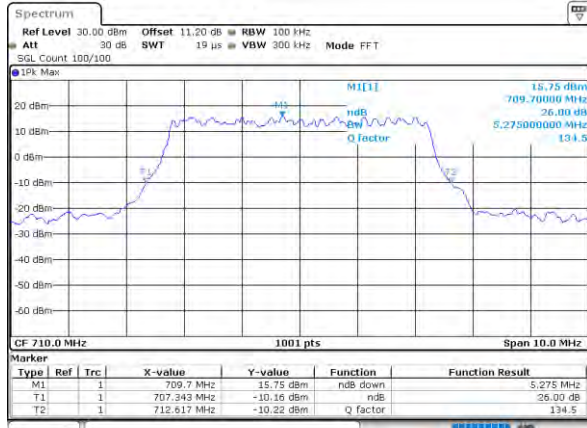
**26dB Bandwidth**

| Mode      | LTE Band 17 : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
|-----------|----------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 1.4MHz                     |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                       | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | -                          | -      | -     | -      | 5.27  | 5.19   | 9.83  | 10.49  | -     | -      | -     | -      |
| Mode      | LTE Band 17 : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                     |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                      | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | -                          | -      | -     | -      | 5.32  | 5.14   | 10.41 | 10.50  | -     | -      | -     | -      |

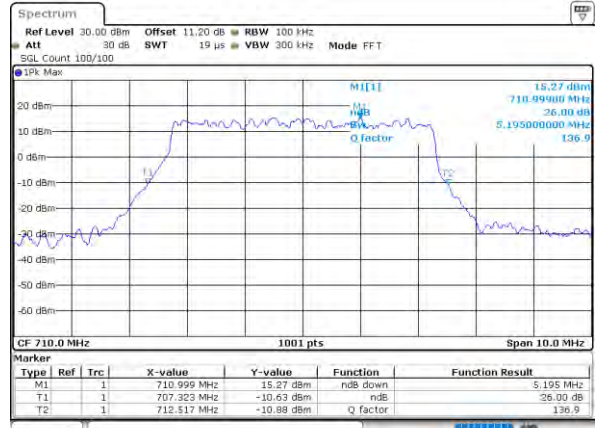


## LTE Band 17

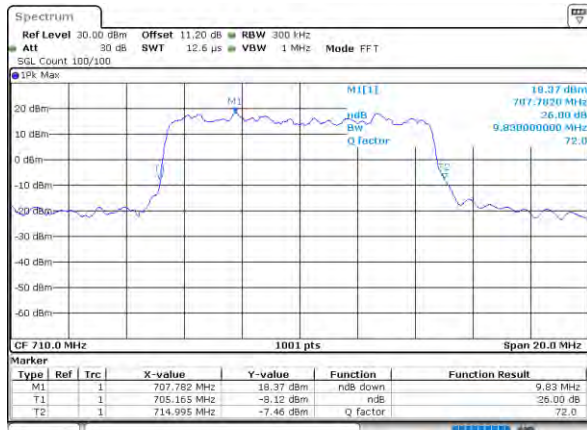
## Middle Channel / 5MHz / QPSK



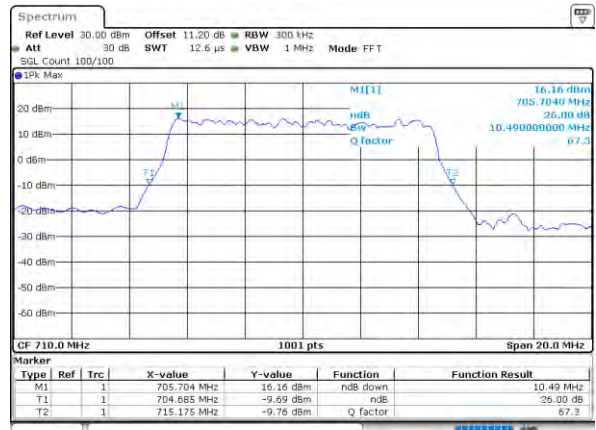
## Middle Channel / 5MHz / 16QAM



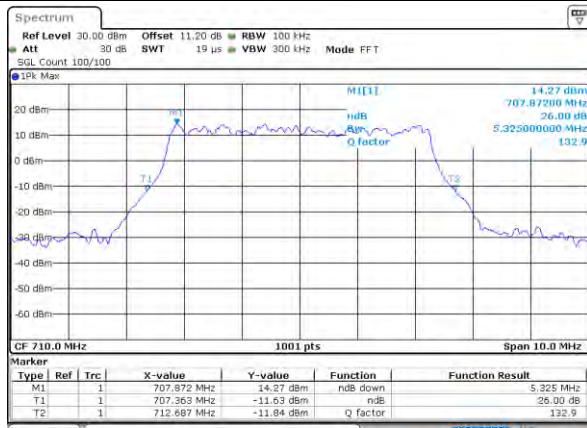
## Middle Channel / 10MHz / QPSK



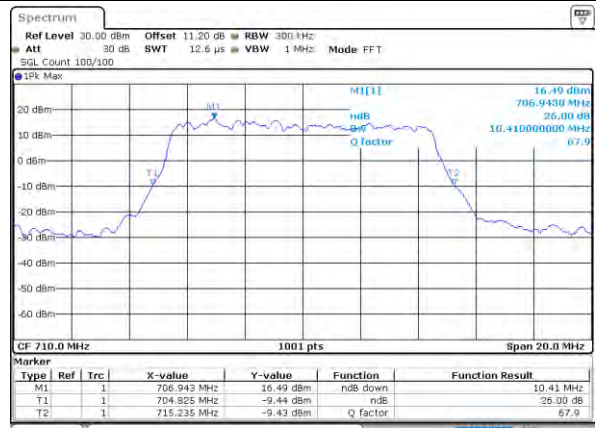
## Middle Channel / 10MHz / 16QAM



## Middle Channel / 5MHz / 64QAM



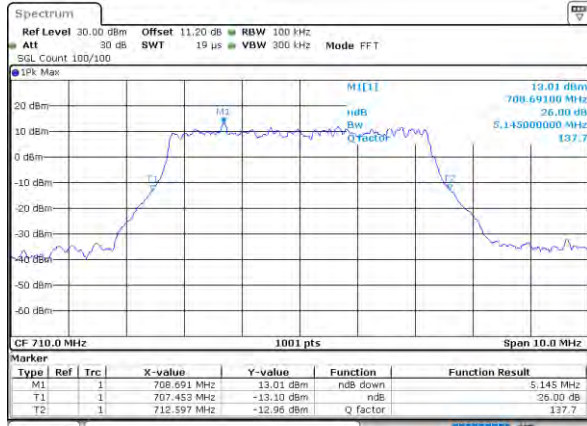
## Middle Channel / 10MHz / 64QAM





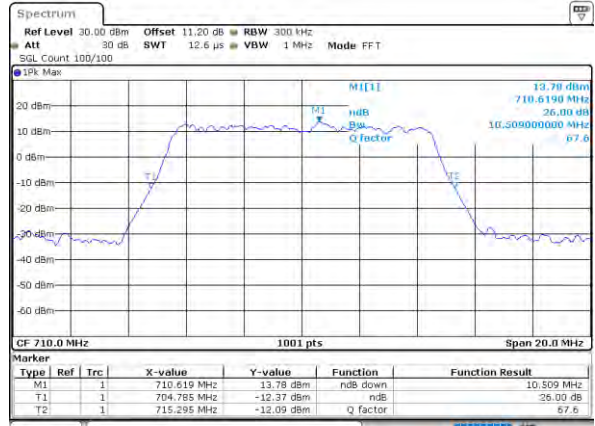
## LTE Band 17

## Middle Channel / 5MHz / 256QAM



Date: 3.FEB.2025 22:47:36

## Middle Channel / 10MHz / 256QAM



Date: 3.FEB.2025 22:49:31

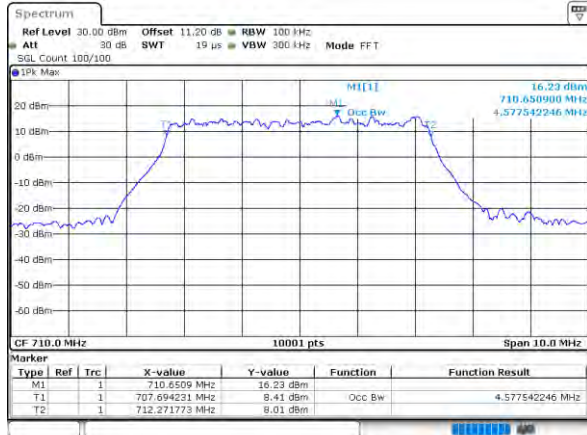
**Occupied Bandwidth**

| Mode      | LTE Band 17 : 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 | -                         | -      | -     | -      | 4.57  | 4.49   | 9.05  | 9.06   | -     | -      | -     | -      |
| Mode      | LTE Band 17 : 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  | 4.49   | 9.03  | 9.02   | -     | -      | -     | -      |

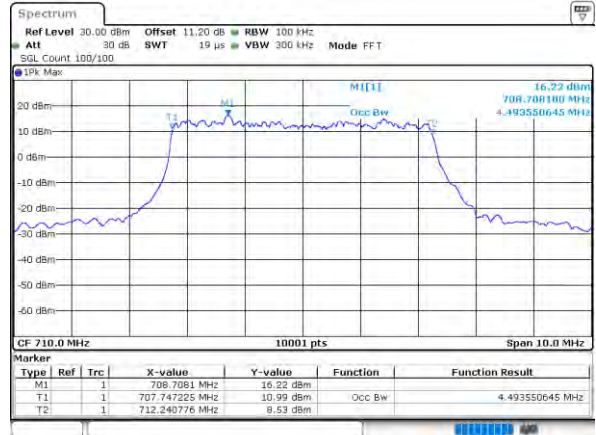


## LTE Band 17

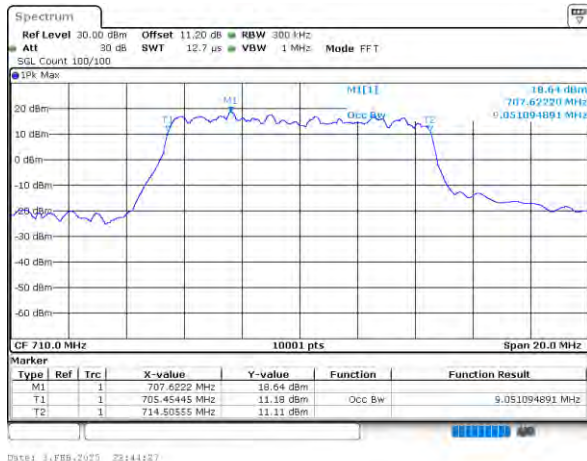
## Middle Channel / 5MHz / QPSK



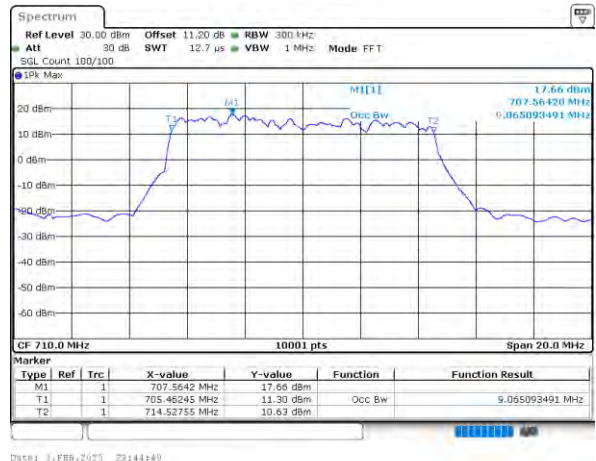
## Middle Channel / 5MHz / 16QAM



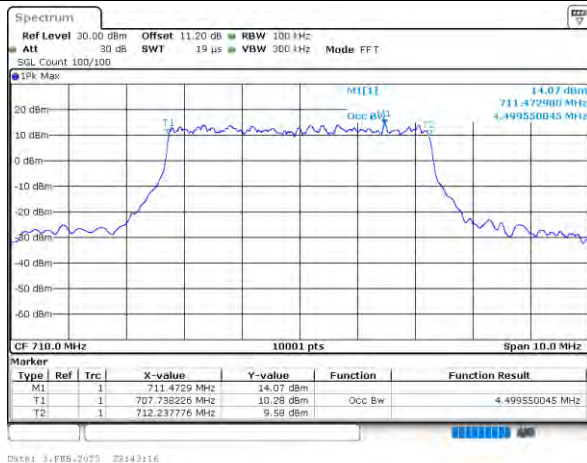
## Middle Channel / 10MHz / QPSK



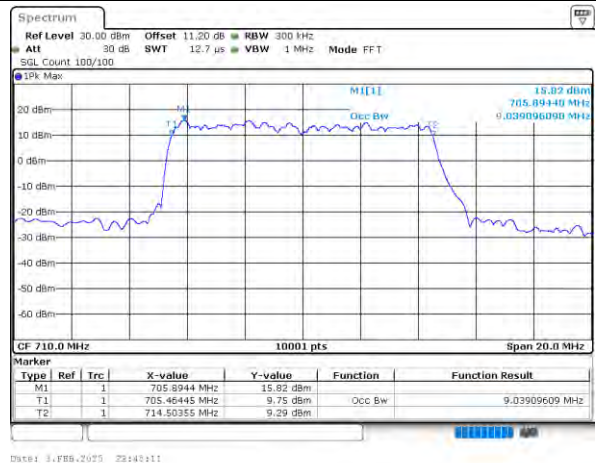
## Middle Channel / 10MHz / 16QAM



## Middle Channel / 5MHz / 64QAM



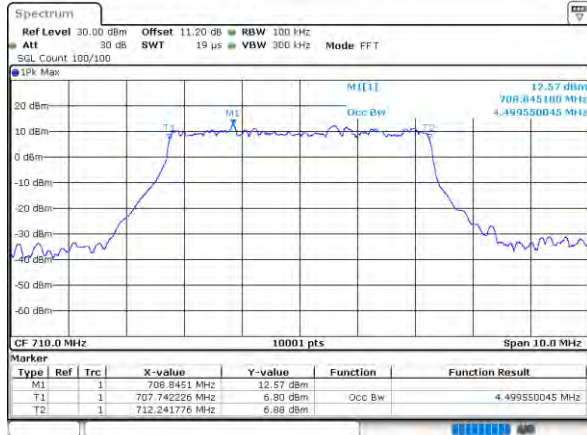
## Middle Channel / 10MHz / 64QAM





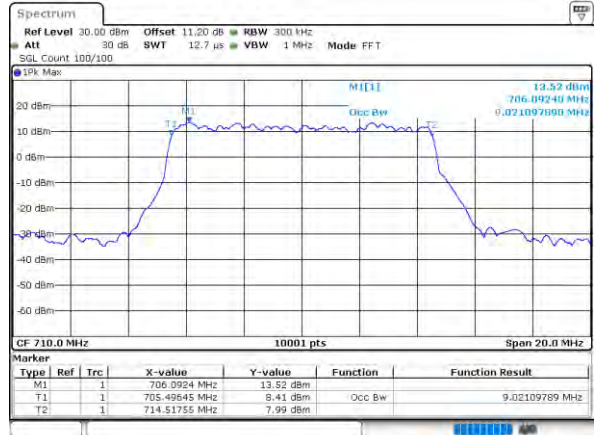
LTE Band 17

Middle Channel / 5MHz / 256QAM



Date: 3.FEB.2025 22:43:30

Middle Channel / 10MHz / 256QAM



Date: 3.FEB.2025 22:43:34

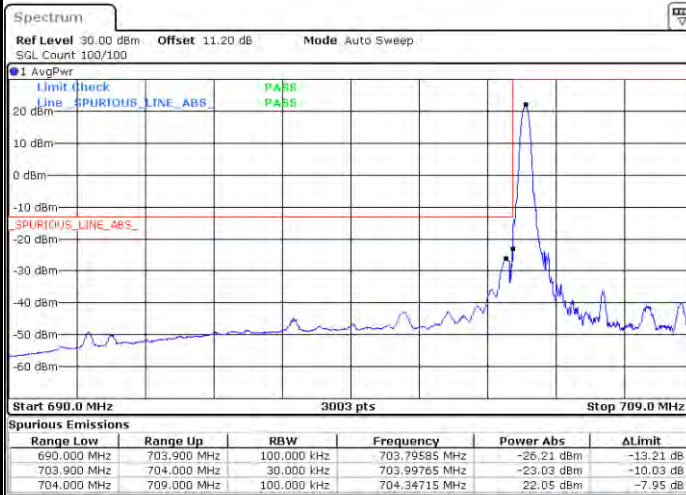


## **Conducted Band Edge**



## LTE Band 17 / 5MHz / QPSK

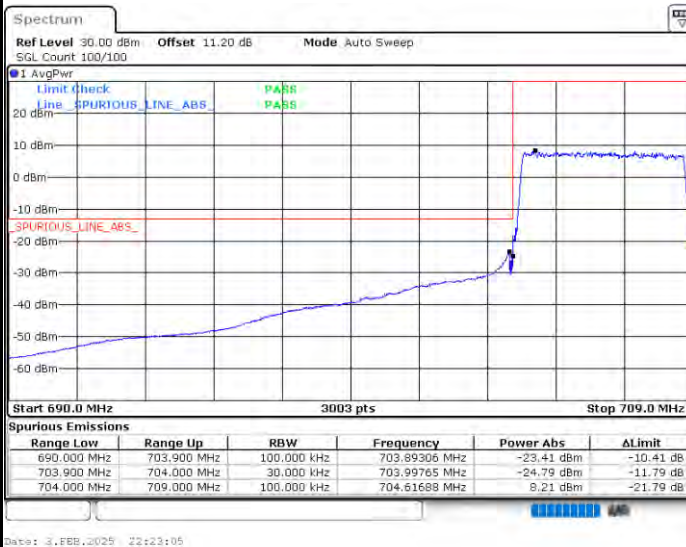
## Lowest Band Edge / 1 RB



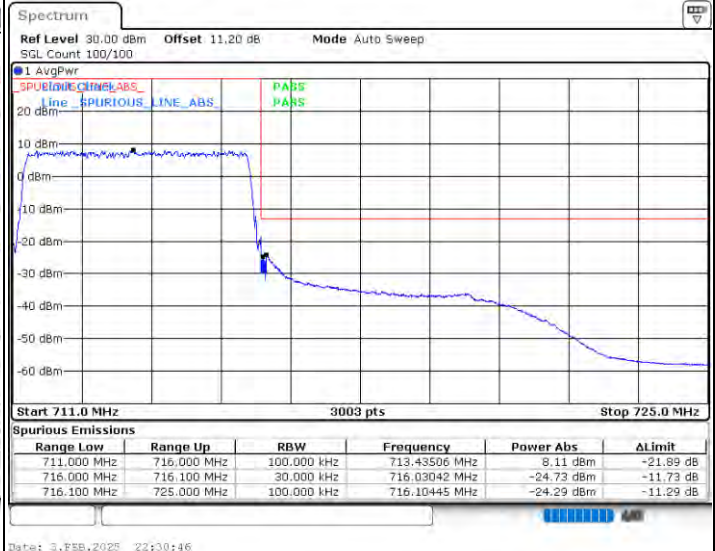
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



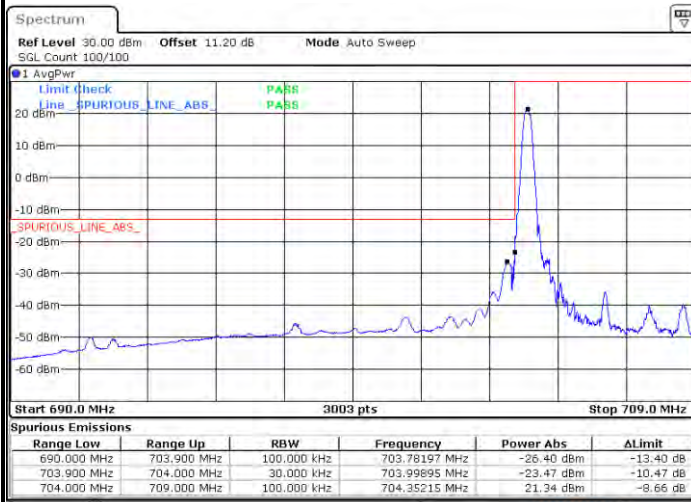
## Highest Band Edge / Full RB





## LTE Band 17 / 5MHz / 16QAM

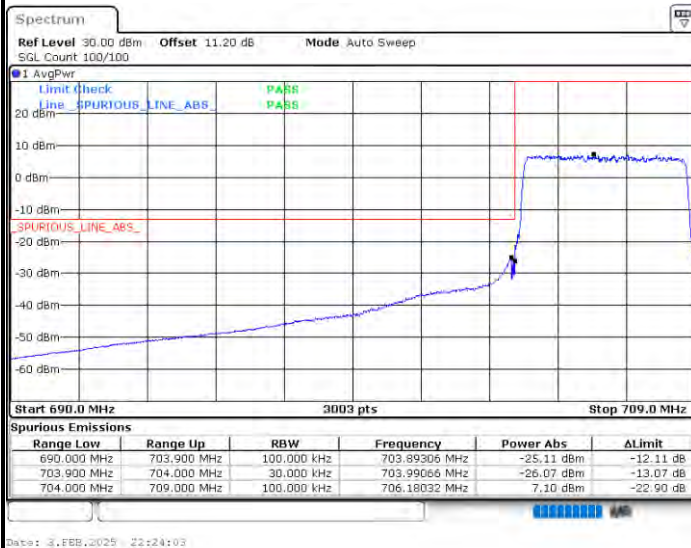
## Lowest Band Edge / 1 RB



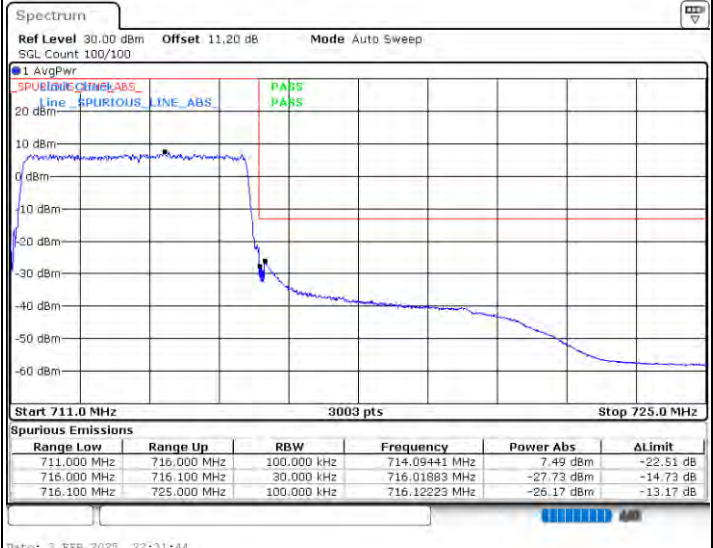
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



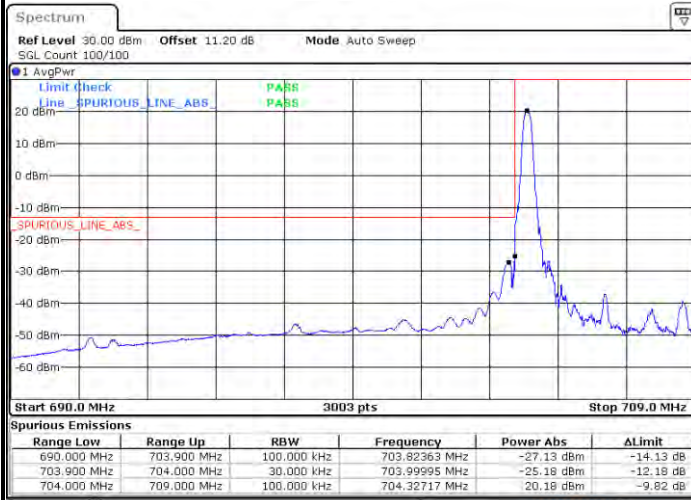
## Highest Band Edge / Full RB





## LTE Band 17 / 5MHz / 64QAM

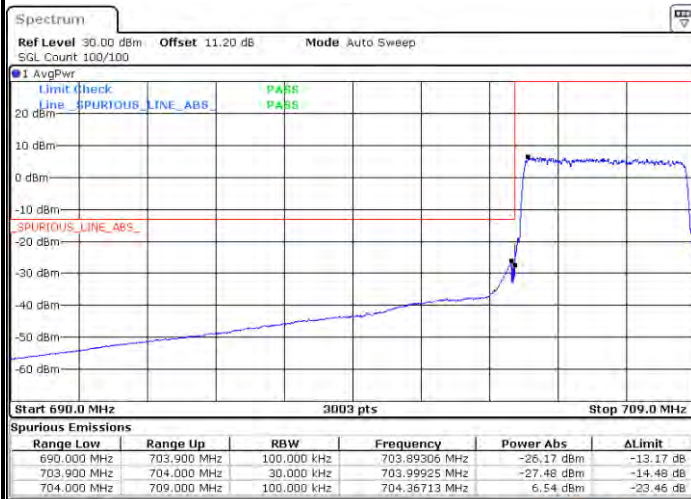
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



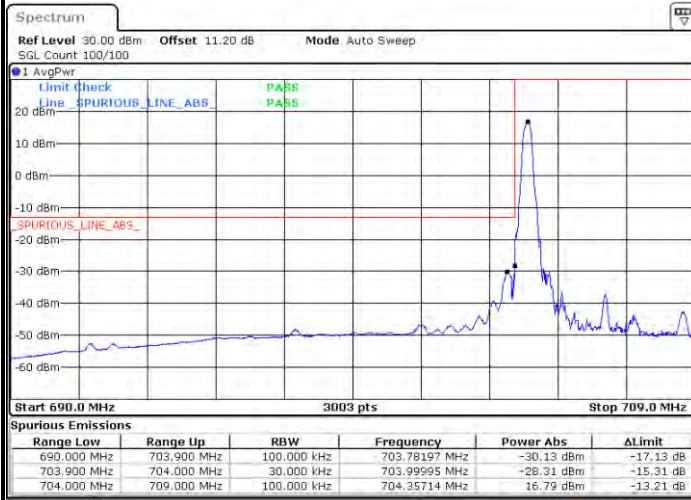
## Highest Band Edge / Full RB





## LTE Band 17 / 5MHz / 256QAM

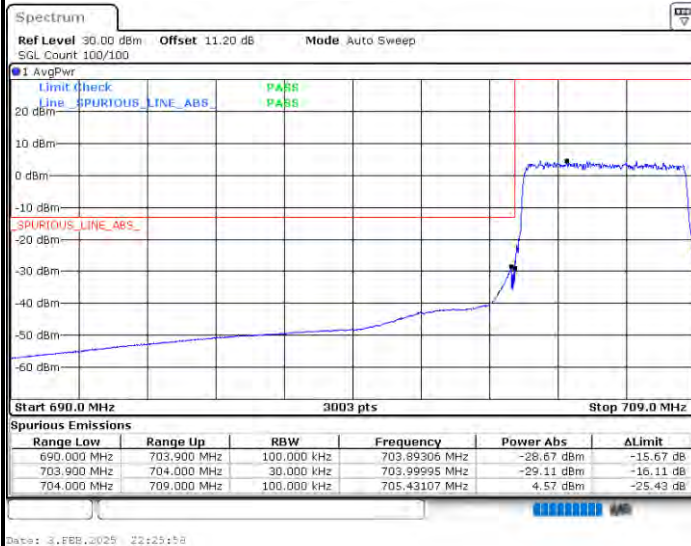
## Lowest Band Edge / 1 RB



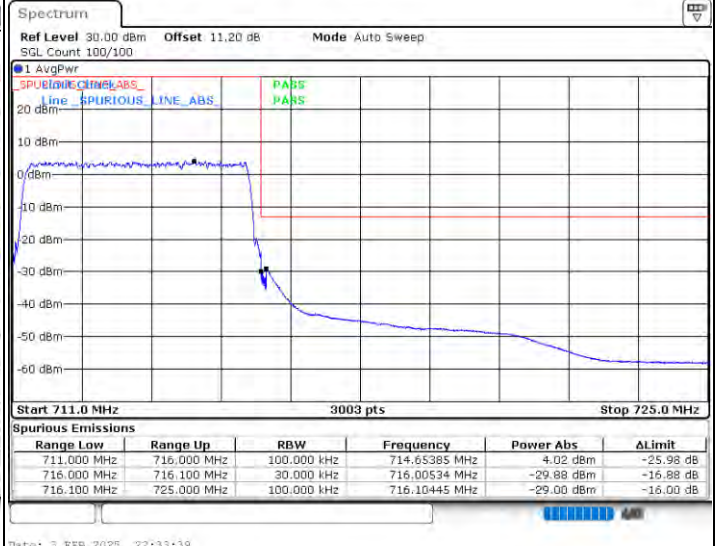
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



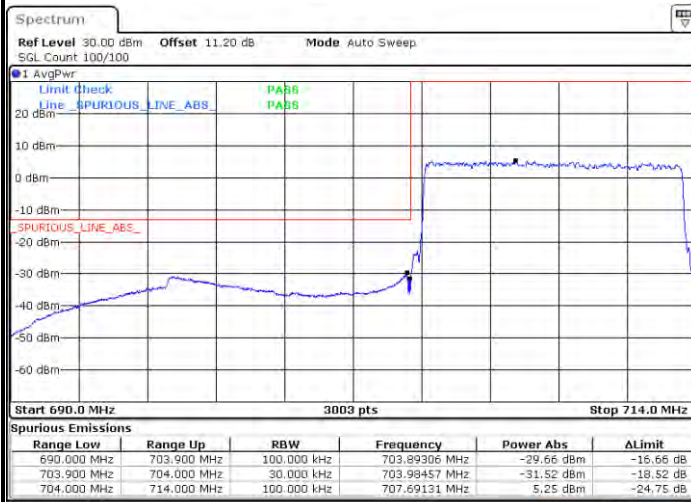
## Highest Band Edge / Full RB



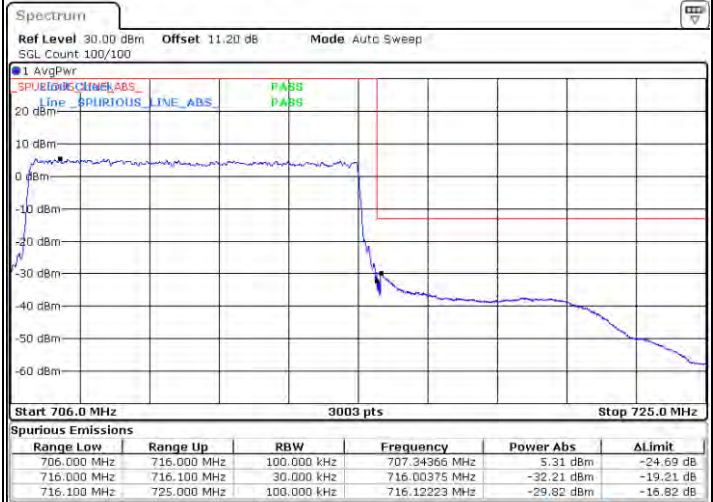


## LTE Band 17 / 10MHz / QPSK

## Lowest Band Edge / Full RB

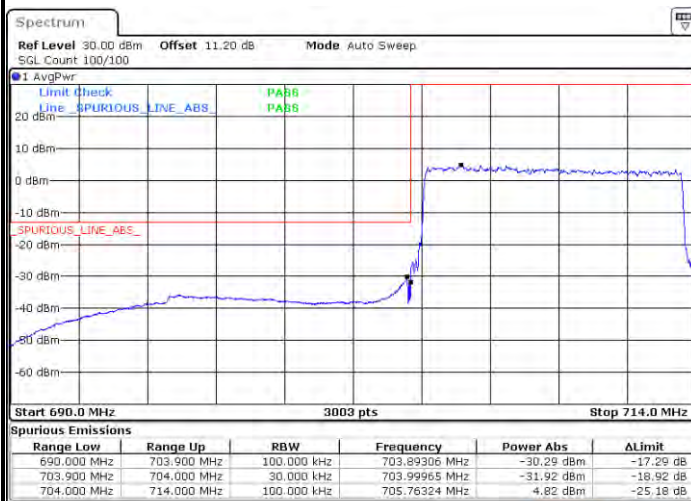


## Highest Band Edge / Full RB



## LTE Band 17 / 10MHz / 16QAM

## Lowest Band Edge / Full RB



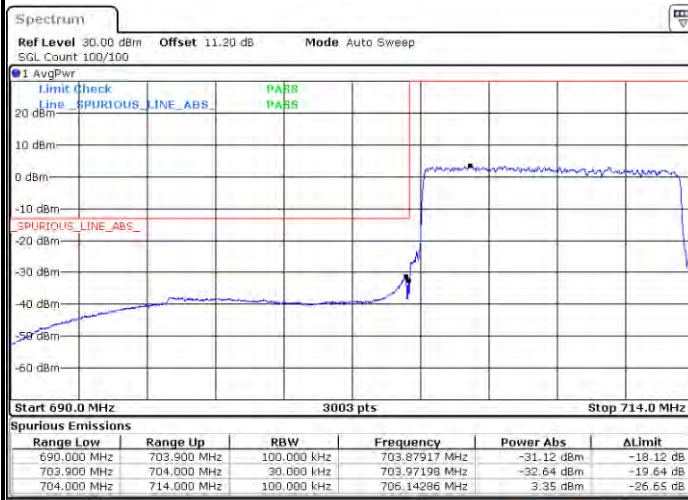
## Highest Band Edge / Full RB





## LTE Band 17 / 10MHz / 64QAM

## Lowest Band Edge / Full RB

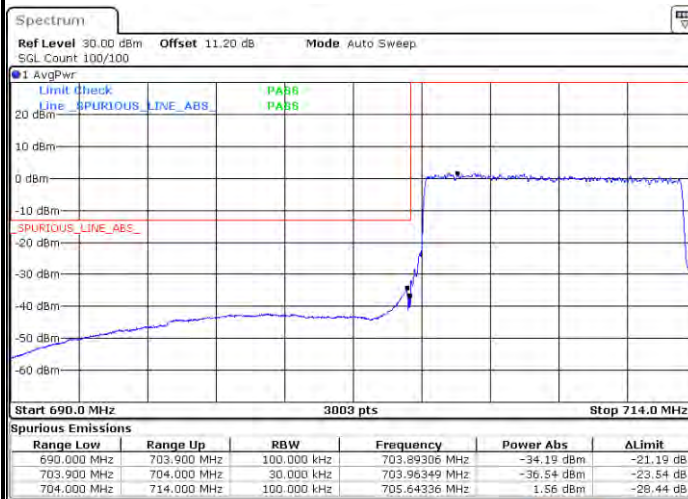


## Highest Band Edge / Full RB



## LTE Band 17 / 10MHz / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



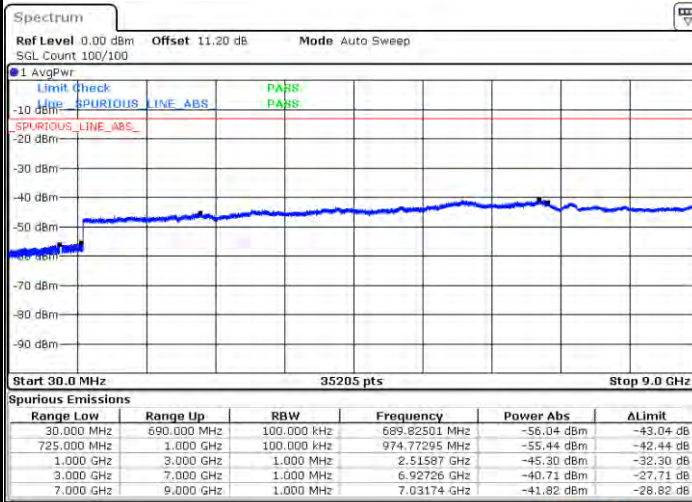


## **Conducted Spurious Emission**



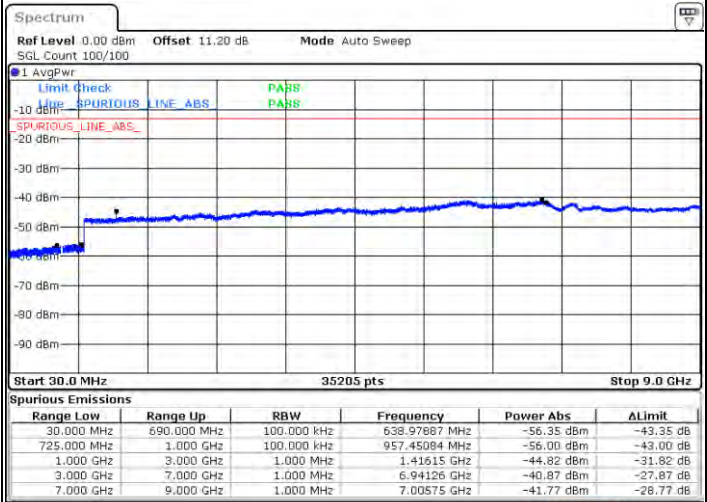
## LTE Band 17 / 5MHz

## Lowest Channel / QPSK



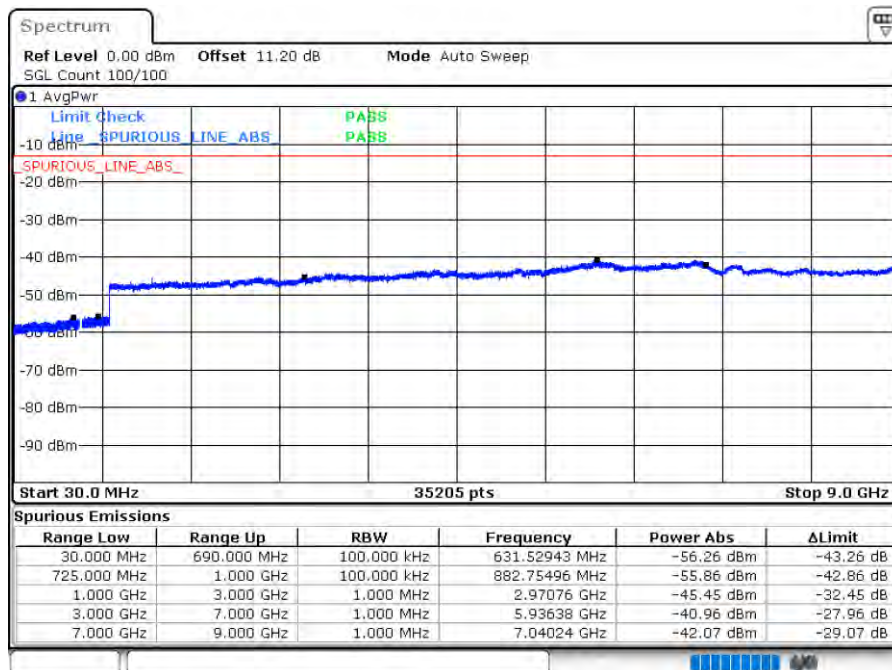
Date: 3.FEB.2025 22:52:37

## Middle Channel / QPSK



Date: 3.FEB.2025 22:53:50

## Highest Channel / QPSK

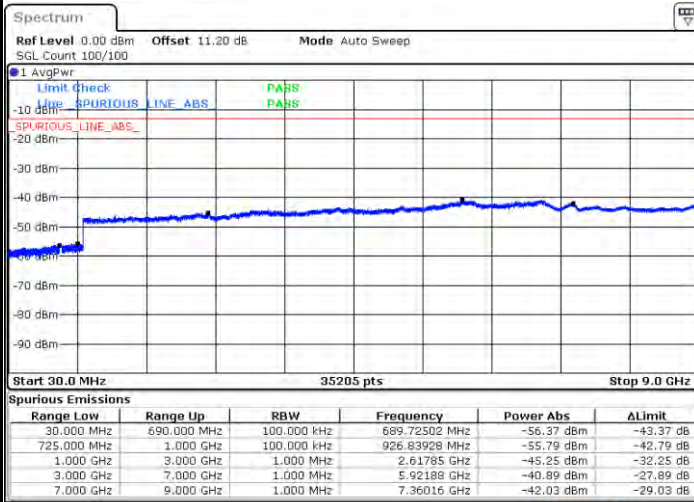


Date: 3.FEB.2025 22:55:02



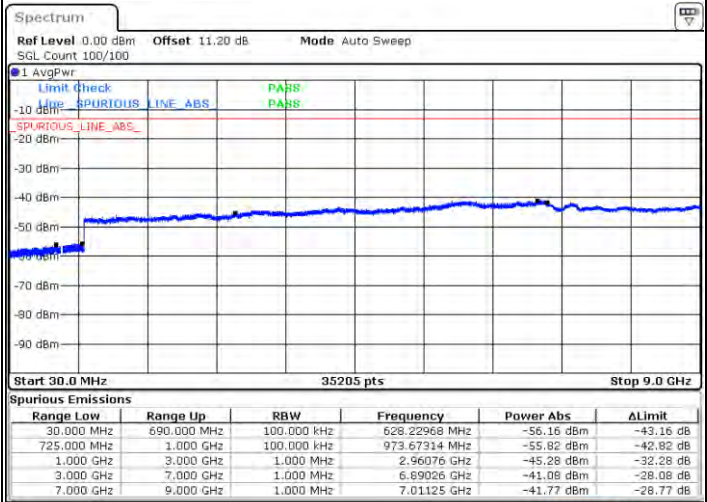
## LTE Band 17 / 10MHz

## Lowest Channel / QPSK



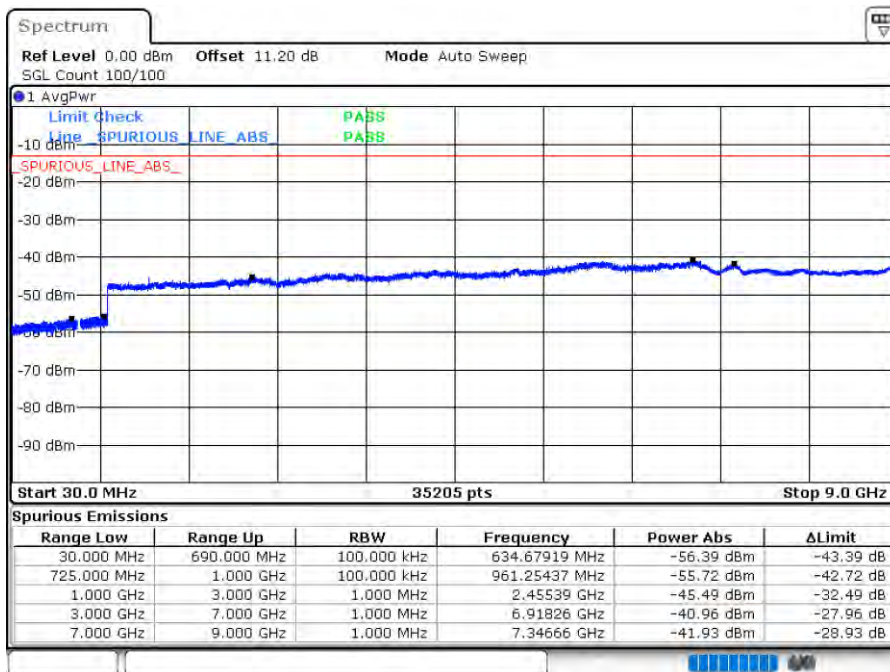
Date: 3.FEB.2025 22:56:40

## Middle Channel / QPSK



Date: 3.FEB.2025 22:57:52

## Highest Channel / QPSK



Date: 3.FEB.2025 22:58:04

## Frequency Stability

| Test Conditions  |                 | LTE Band 17 (QPSK) / Middle Channel | Limit   |
|------------------|-----------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)  | BW 10MHz                            | Note 2. |
|                  |                 | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage  | 0.0011                              | PASS    |
| 40               | Normal Voltage  | 0.0004                              |         |
| 30               | Normal Voltage  | 0.0014                              |         |
| 20(Ref.)         | Normal Voltage  | 0.0000                              |         |
| 10               | Normal Voltage  | 0.0096                              |         |
| 0                | Normal Voltage  | 0.0014                              |         |
| -10              | Normal Voltage  | 0.0063                              |         |
| -20              | Normal Voltage  | 0.0007                              |         |
| -30              | Normal Voltage  | 0.0014                              |         |
| 20               | Maximum Voltage | 0.0014                              |         |
| 20               | Normal Voltage  | 0.0000                              |         |
| 20               | Minimum Voltage | 0.0018                              |         |

**Note:**

1. Normal Voltage = 3.89 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



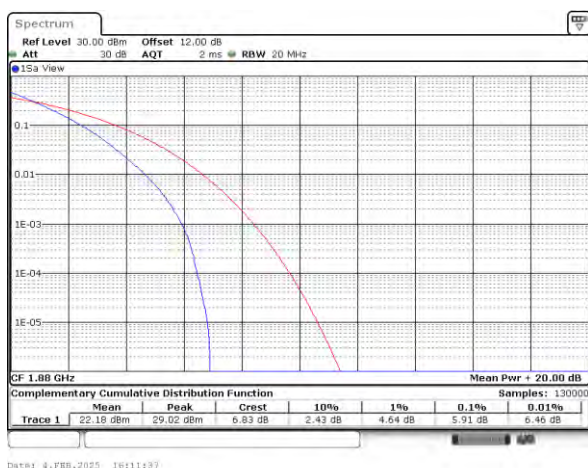
## LTE Band 25

## Peak-to-Average Ratio

| Mode      | LTE Band 25 / 20MHz |         |         |         |             |
|-----------|---------------------|---------|---------|---------|-------------|
| Mod.      | QPSK                | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB             | Full RB | Full RB | Full RB | Result      |
| Middle CH | 5.91                | 6.72    | 6.70    | 6.72    | PASS        |

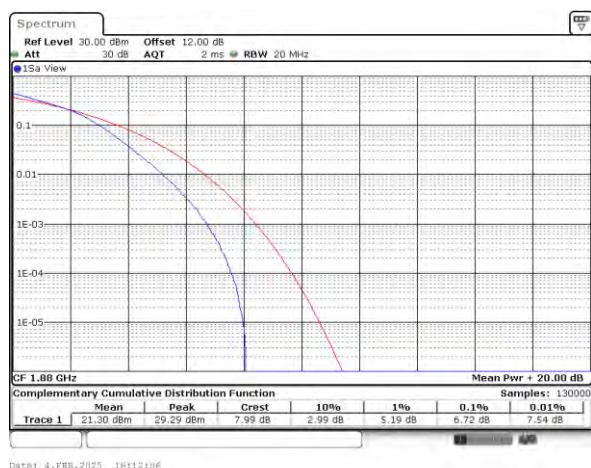
LTE Band 25 / 20MHz / QPSK

Middle Channel / Full RB



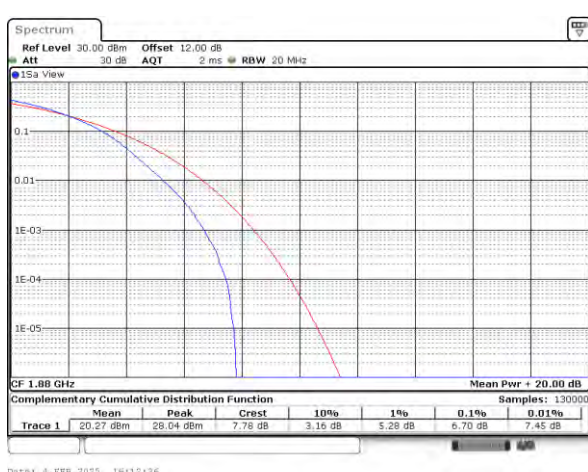
LTE Band 25 / 20MHz / 16QAM

Middle Channel / Full RB



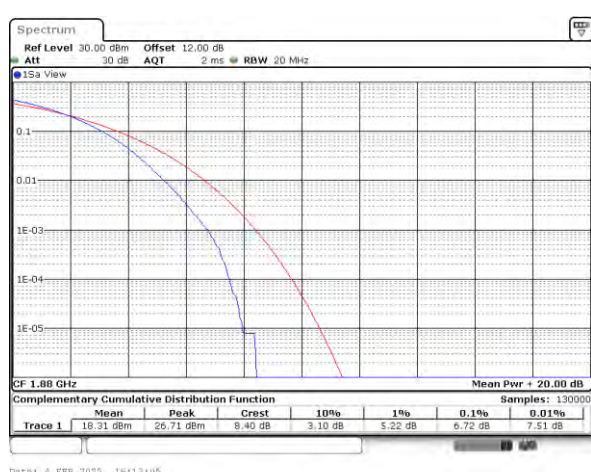
LTE Band 25 / 20MHz / 64QAM

Middle Channel / Full RB



LTE Band 25 / 20MHz / 256QAM

Middle Channel / Full RB



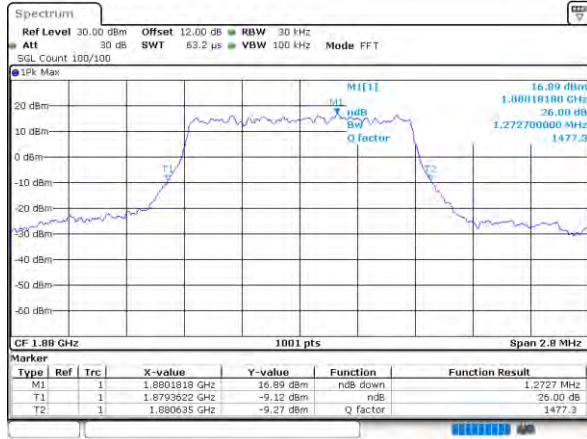
**26dB Bandwidth**

| Mode      | LTE Band 25 : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
|-----------|----------------------------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 1.4MHz                     |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                       | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | 1.27                       | 1.27   | 3.08  | 3.06   | 5.27  | 5.07   | 10.17 | 10.19  | 14.44 | 14.89  | 19.34 | 19.70  |
| Mode      | LTE Band 25 : 26dB BW(MHz) |        |       |        |       |        |       |        |       |        |       |        |
| BW        | 1.4MHz                     |        | 3MHz  |        | 5MHz  |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | 64QAM                      | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 1.29                       | 1.28   | 3.12  | 3.13   | 5.31  | 5.34   | 10.62 | 10.13  | 14.59 | 14.53  | 19.46 | 19.46  |

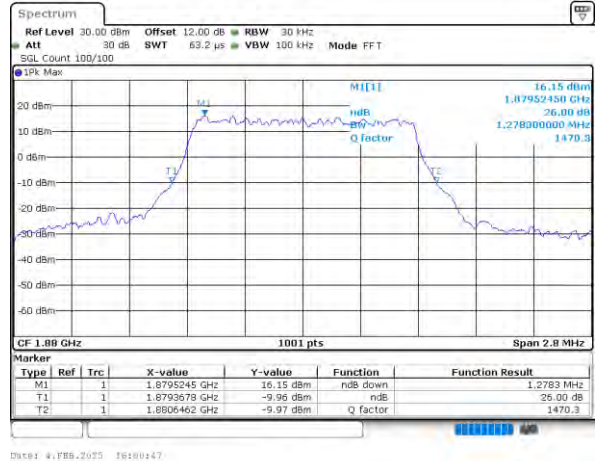


## LTE Band 25

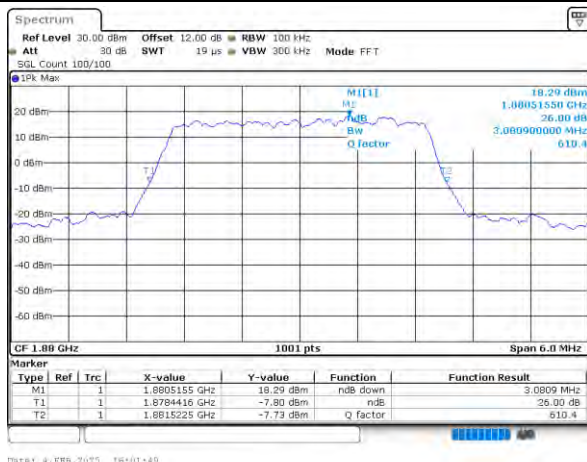
## Middle Channel / 1.4MHz / QPSK



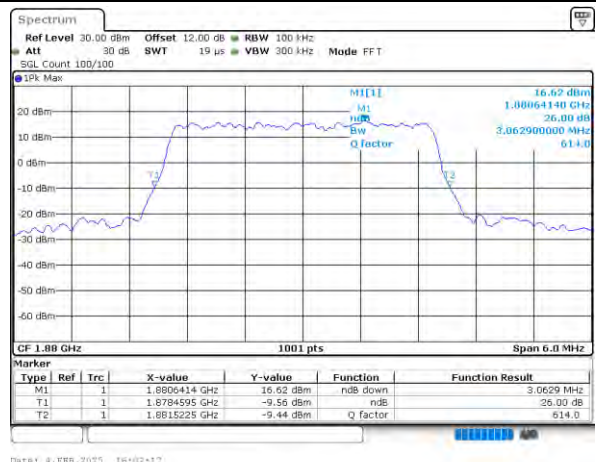
## Middle Channel / 1.4MHz / 16QAM



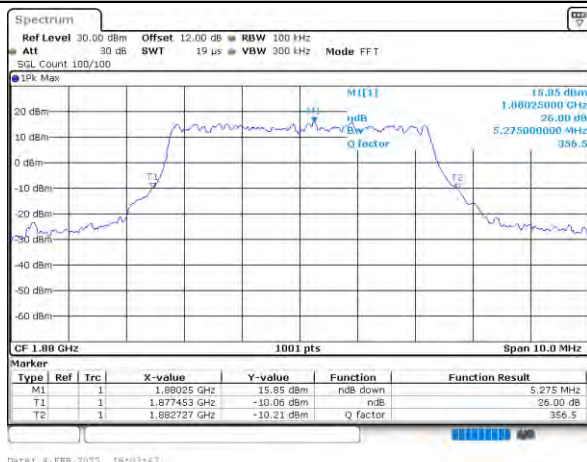
## Middle Channel / 3MHz / QPSK



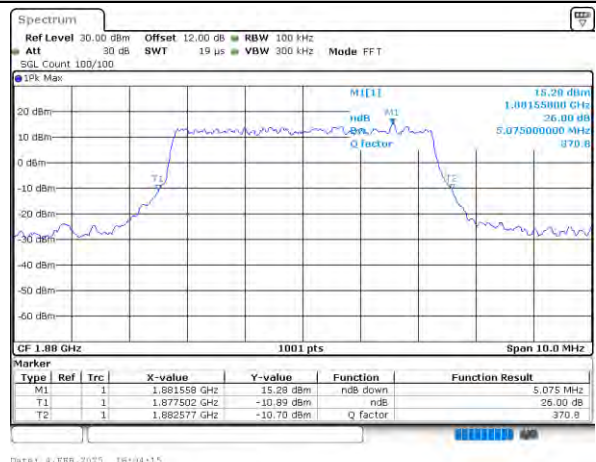
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



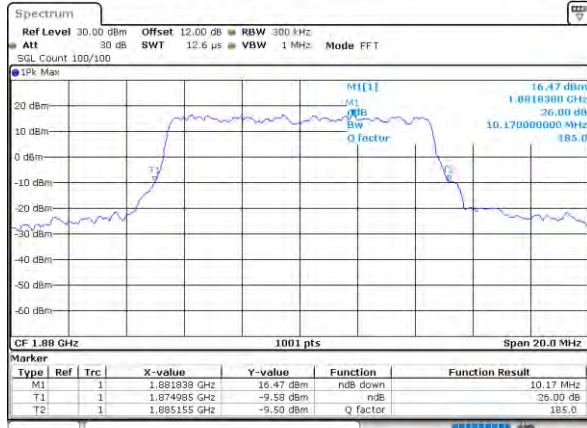
## Middle Channel / 5MHz / 16QAM





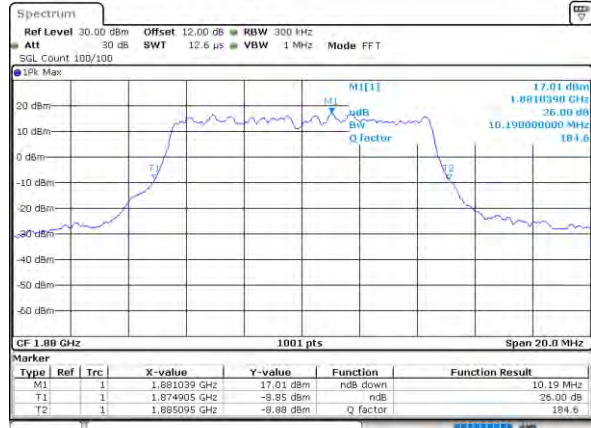
## LTE Band 25

## Middle Channel / 10MHz / QPSK



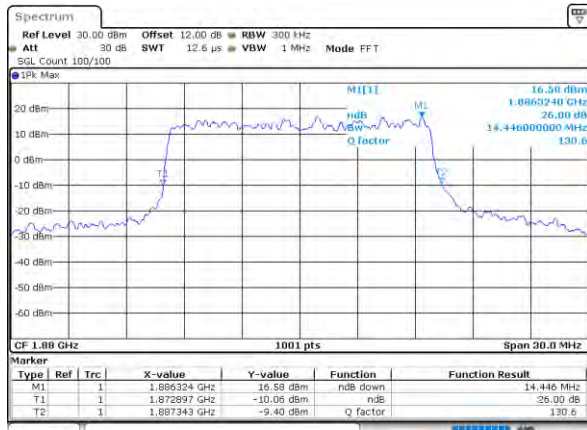
Date: 4/FEB/2025 Time: 14:45

## Middle Channel / 10MHz / 16QAM



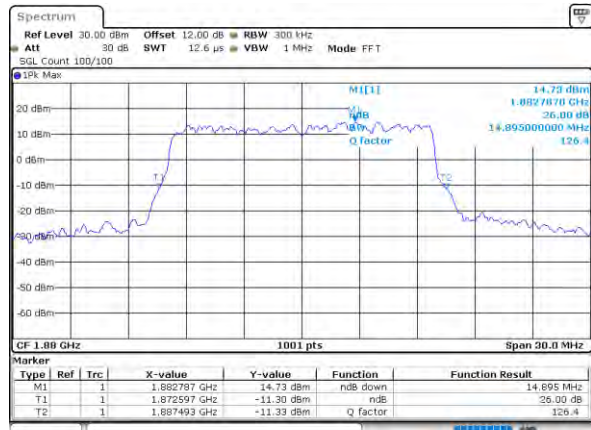
Date: 4/FEB/2025 Time: 14:46

## Middle Channel / 15MHz / QPSK



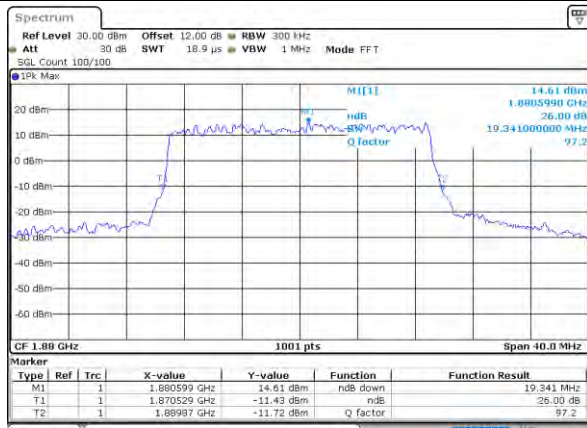
Date: 4/FEB/2025 Time: 14:46

## Middle Channel / 15MHz / 16QAM



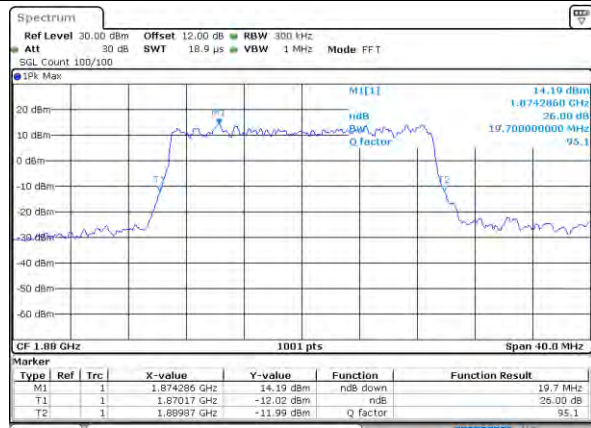
Date: 4/FEB/2025 Time: 14:46

## Middle Channel / 20MHz / QPSK



Date: 4/FEB/2025 Time: 14:47

## Middle Channel / 20MHz / 16QAM

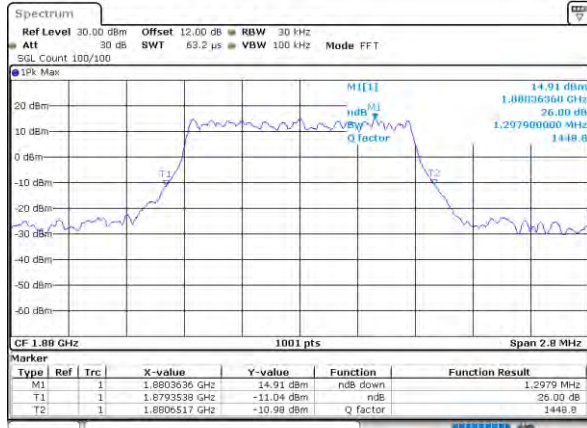


Date: 4/FEB/2025 Time: 14:47

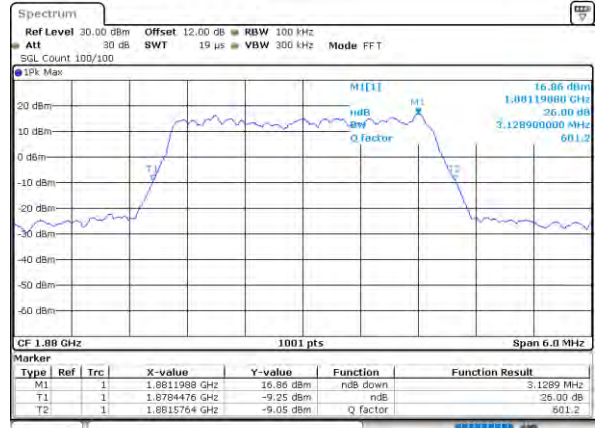


## LTE Band 25

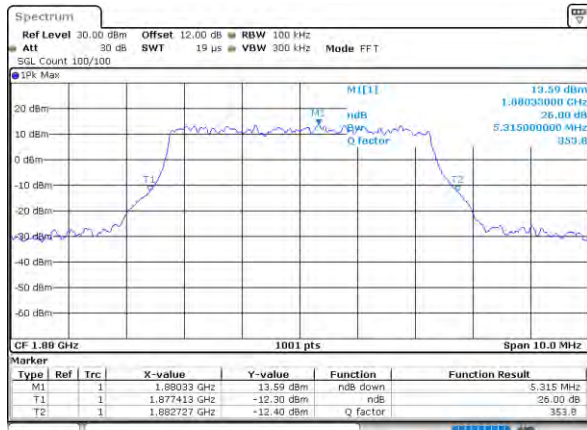
## Middle Channel / 1.4MHz / 64QAM



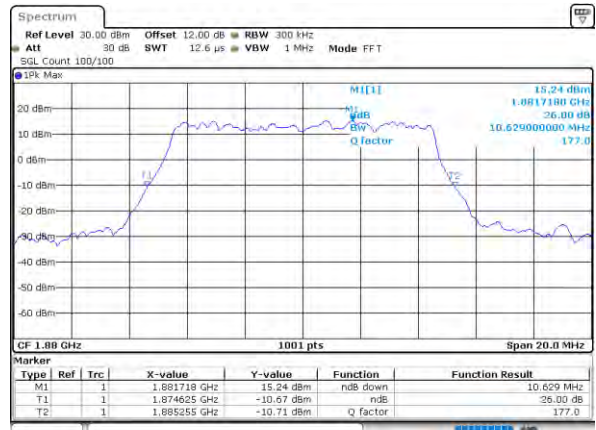
## Middle Channel / 3MHz / 64QAM



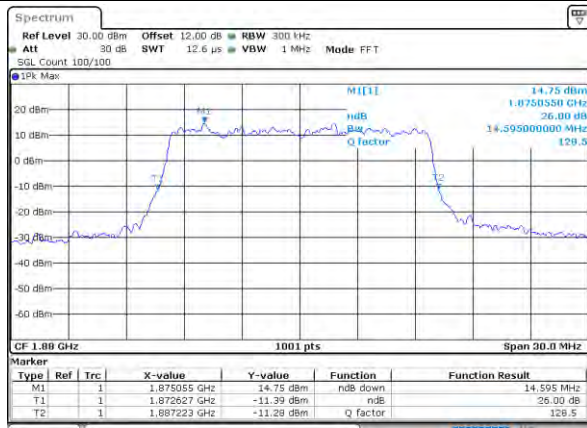
## Middle Channel / 5MHz / 64QAM



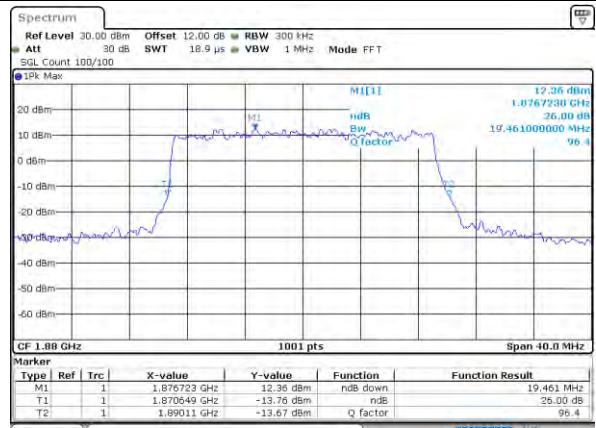
## Middle Channel / 10MHz / 64QAM



## Middle Channel / 15MHz / 64QAM



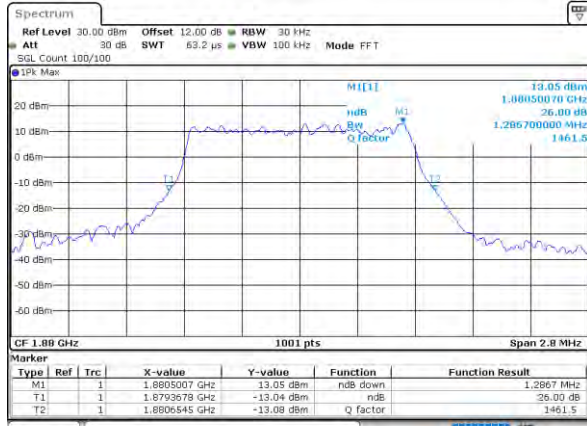
## Middle Channel / 20MHz / 64QAM





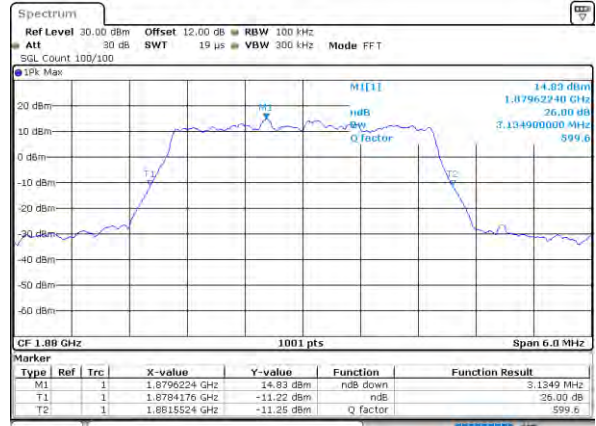
## LTE Band 25

## Middle Channel / 1.4MHz / 256QAM



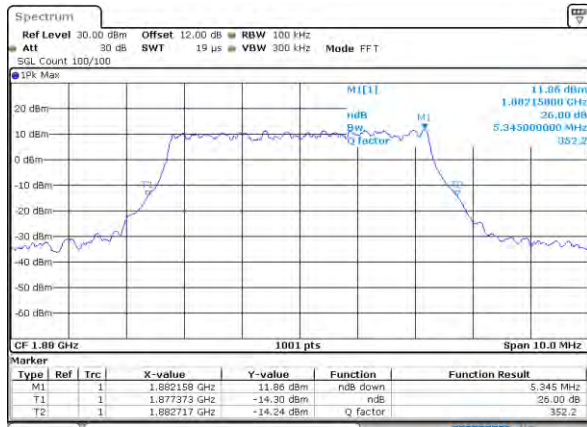
Date: 4/FEB/2025 16:01:15

## Middle Channel / 3MHz / 256QAM



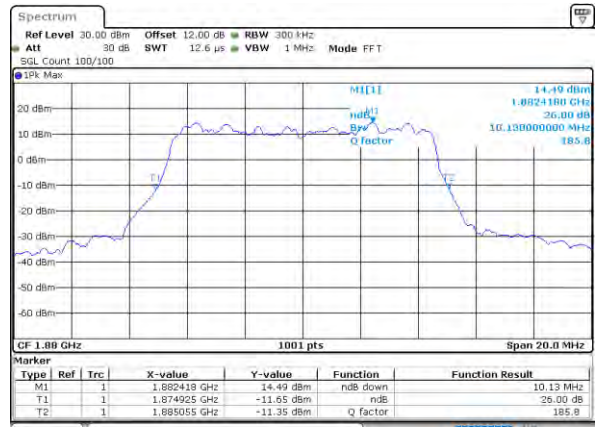
Date: 4/FEB/2025 16:03:16

## Middle Channel / 5MHz / 256QAM



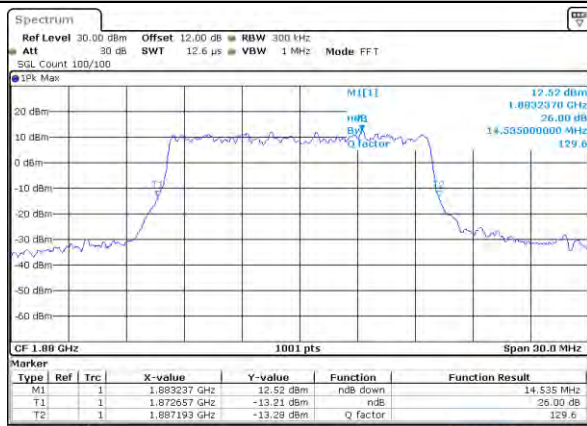
Date: 4/FEB/2025 16:09:12

## Middle Channel / 10MHz / 256QAM



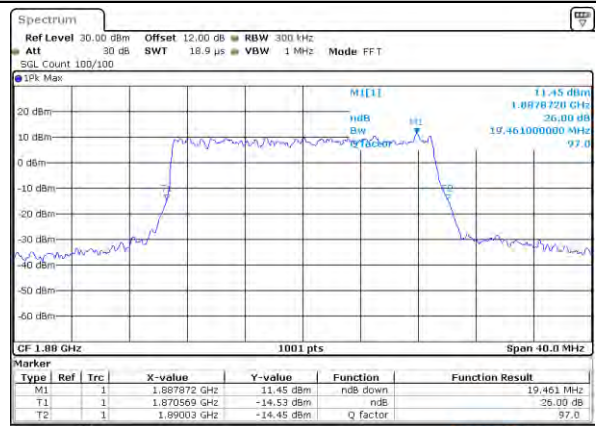
Date: 4/FEB/2025 16:10:10

## Middle Channel / 15MHz / 256QAM



Date: 4/FEB/2025 16:10:09

## Middle Channel / 20MHz / 256QAM



Date: 4/FEB/2025 16:11:07

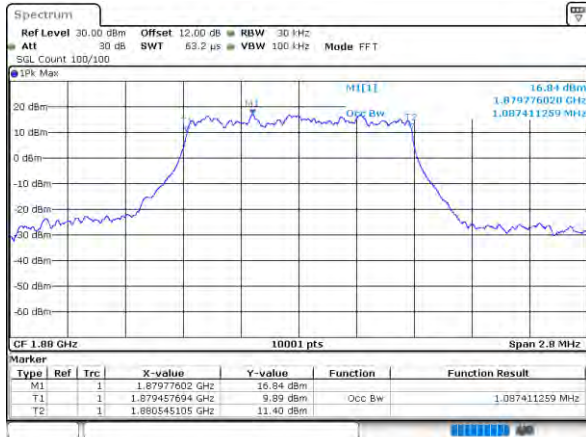
**Occupied Bandwidth**

| Mode      | LTE Band 25 : 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 | 1.08                      | 1.10   | 2.77  | 2.71   | 4.54  | 4.48   | 9.02  | 9.09   | 13.49 | 13.50  | 17.92 | 17.88  |
| Mode      | LTE Band 25 : 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 | 1.08                      | 1.08   | 2.72  | 2.73   | 4.49  | 4.51   | 9.06  | 9.00   | 13.42 | 13.43  | 17.85 | 17.89  |

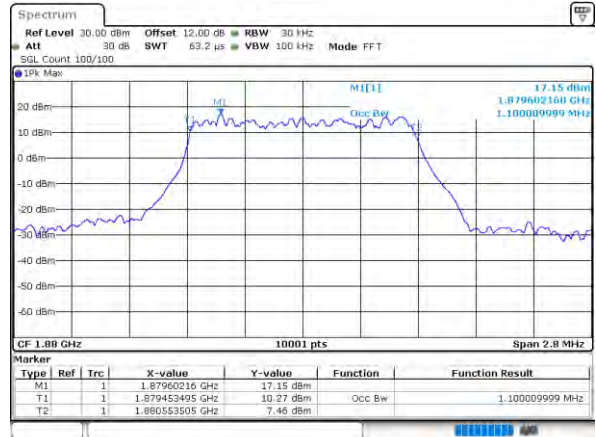


## LTE Band 25

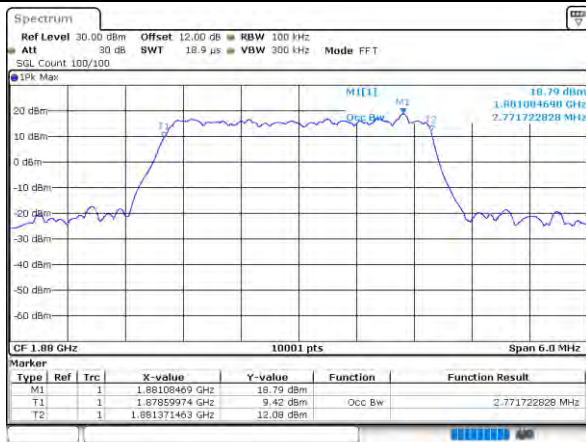
## Middle Channel / 1.4MHz / QPSK



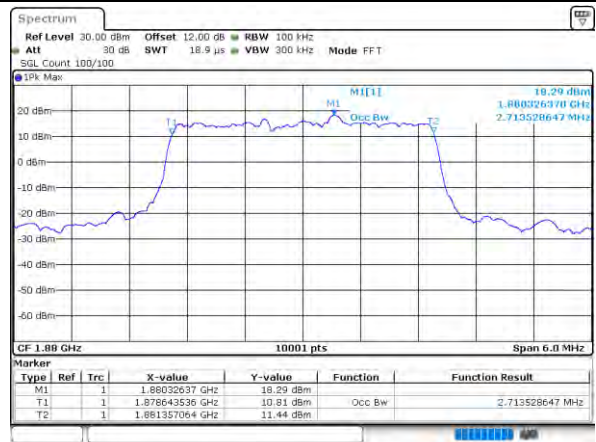
## Middle Channel / 1.4MHz / 16QAM



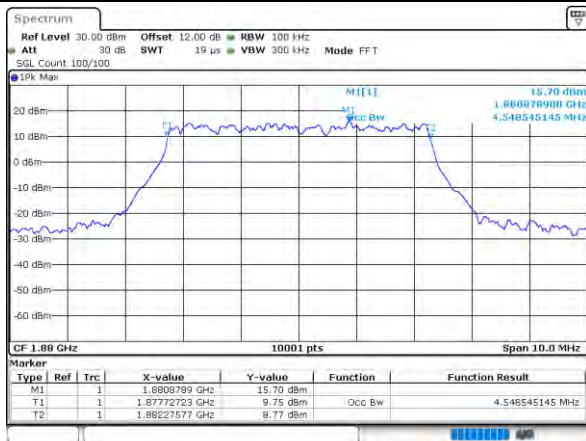
## Middle Channel / 3MHz / QPSK



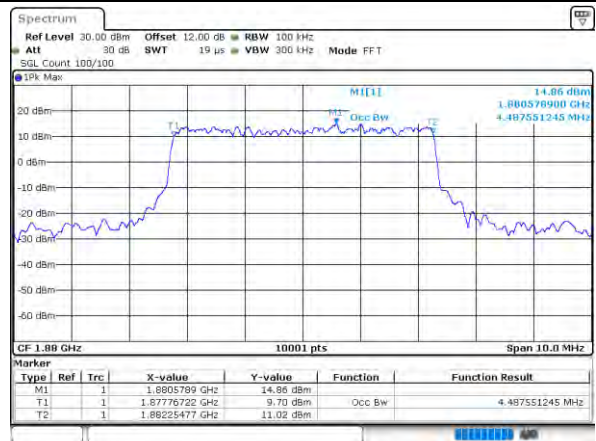
## Middle Channel / 3MHz / 16QAM



## Middle Channel / 5MHz / QPSK



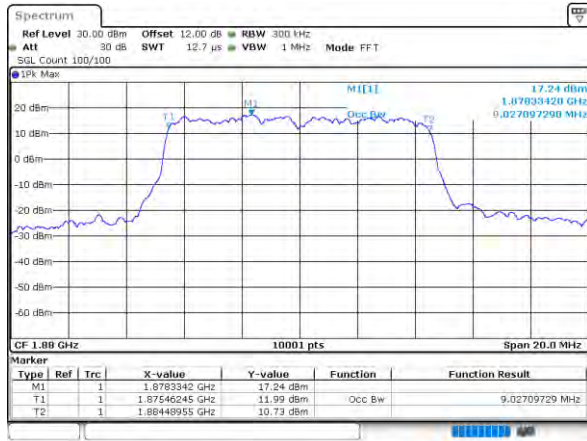
## Middle Channel / 5MHz / 16QAM



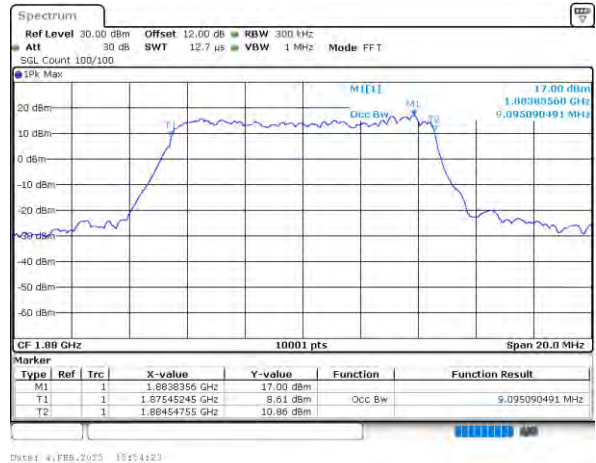


## LTE Band 25

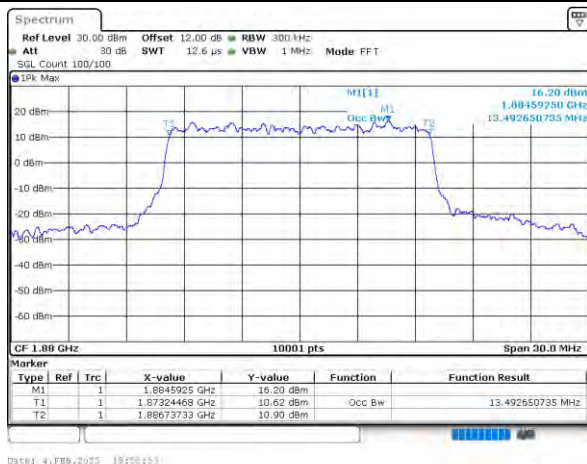
## Middle Channel / 10MHz / QPSK



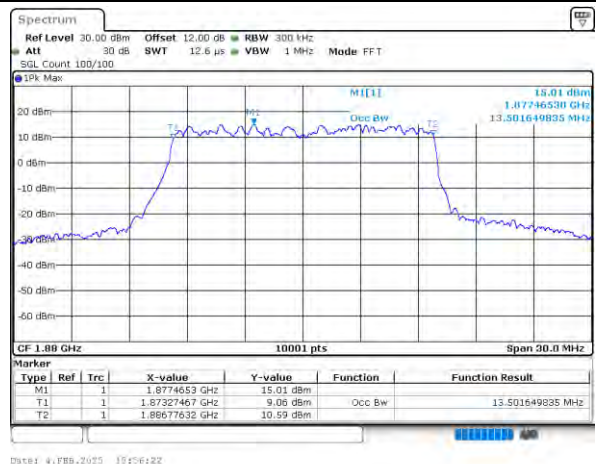
## Middle Channel / 10MHz / 16QAM



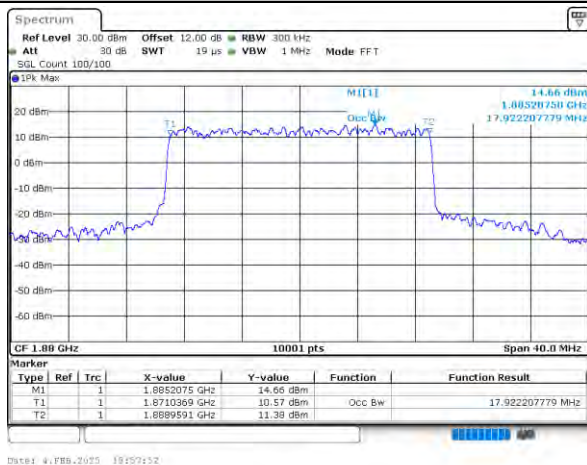
## Middle Channel / 15MHz / QPSK



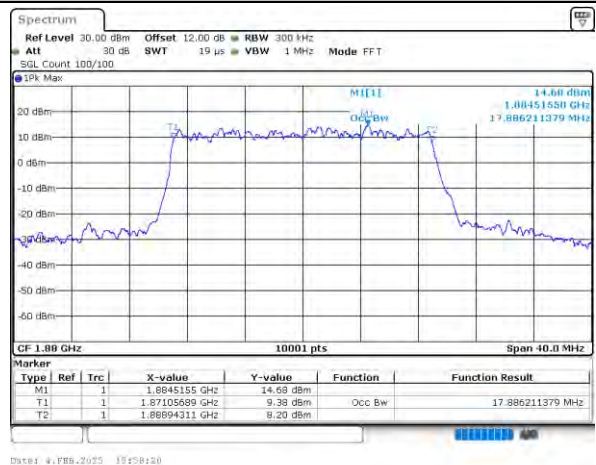
## Middle Channel / 15MHz / 16QAM



## Middle Channel / 20MHz / QPSK



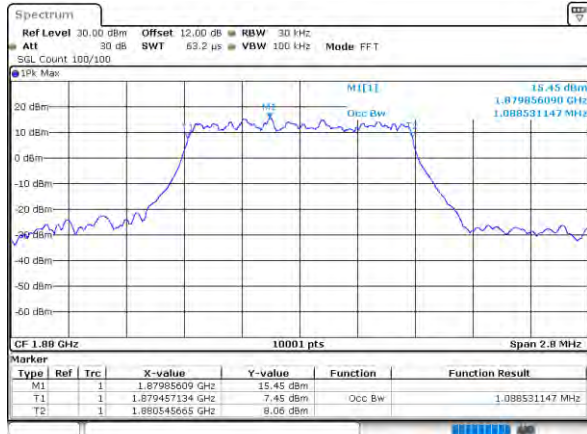
## Middle Channel / 20MHz / 16QAM



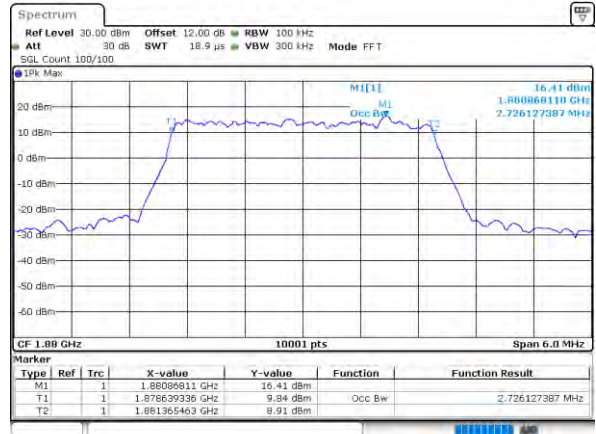


## LTE Band 25

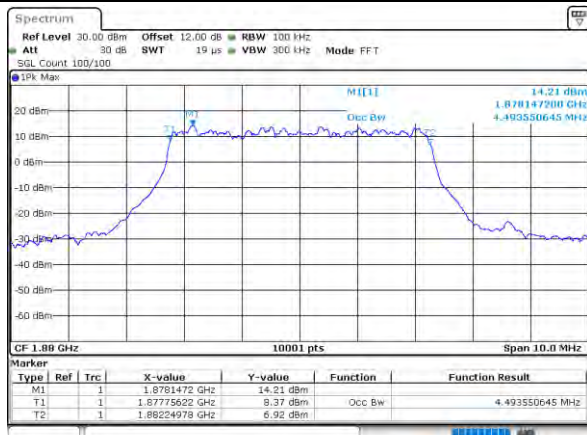
## Middle Channel / 1.4MHz / 64QAM



## Middle Channel / 3MHz / 64QAM



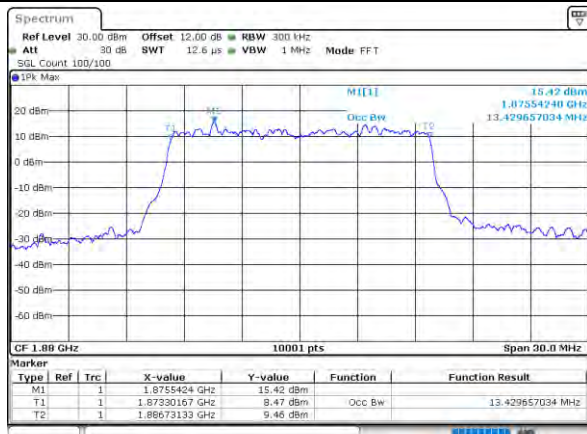
## Middle Channel / 5MHz / 64QAM



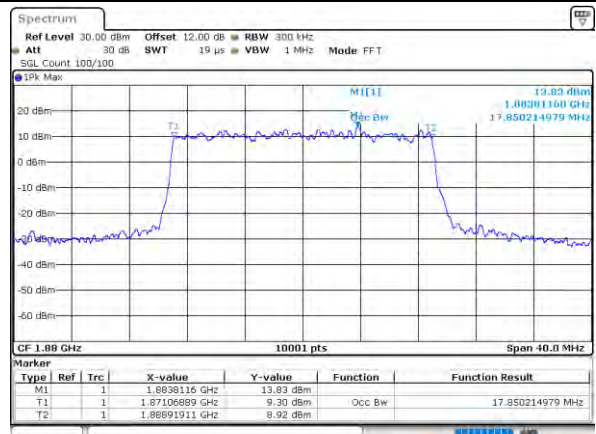
## Middle Channel / 10MHz / 64QAM



## Middle Channel / 15MHz / 64QAM



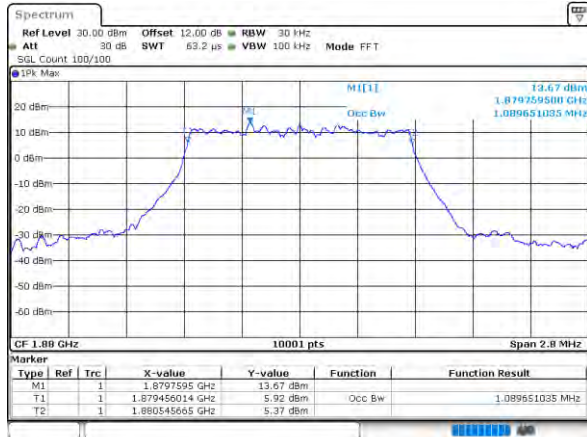
## Middle Channel / 20MHz / 64QAM



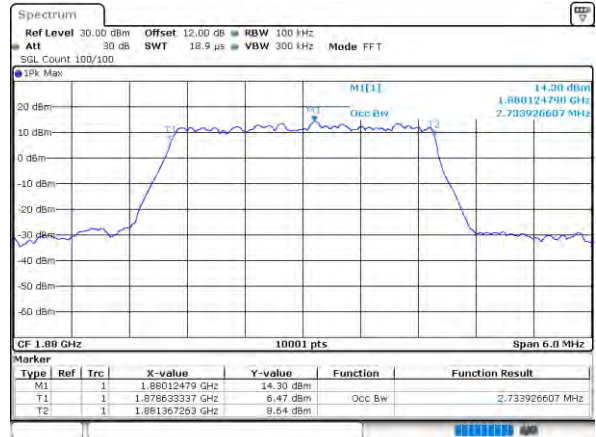


## LTE Band 25

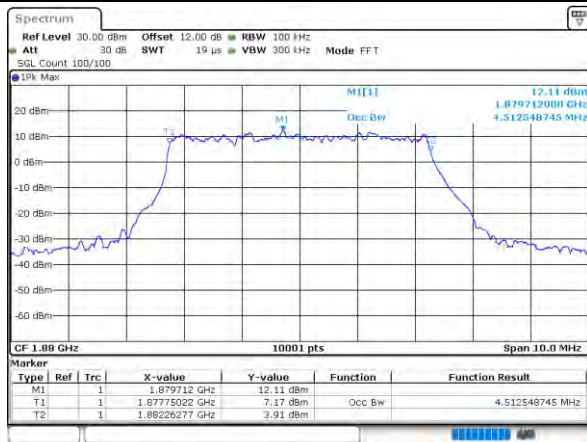
## Middle Channel / 1.4MHz / 256QAM



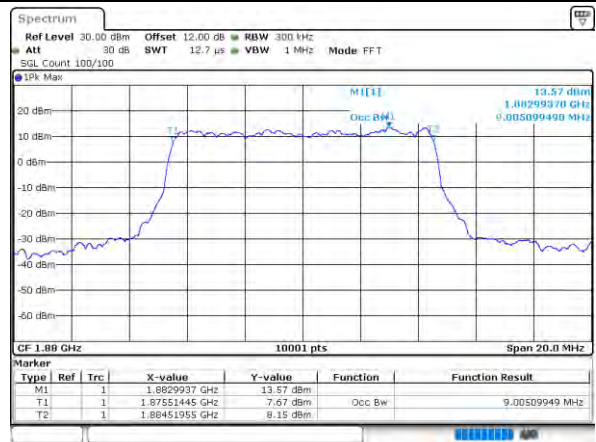
## Middle Channel / 3MHz / 256QAM



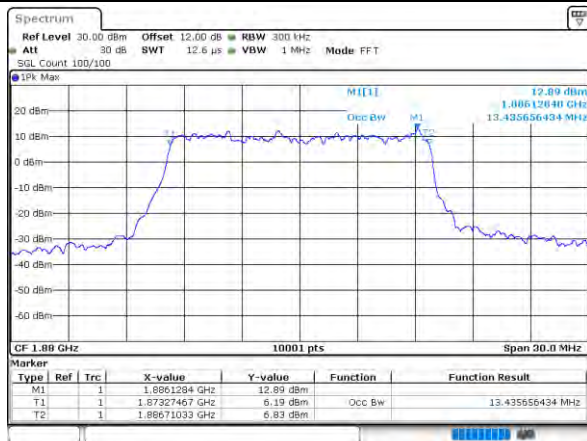
## Middle Channel / 5MHz / 256QAM



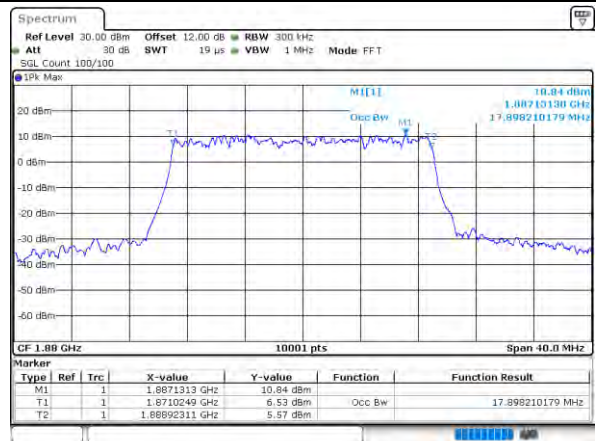
## Middle Channel / 10MHz / 256QAM

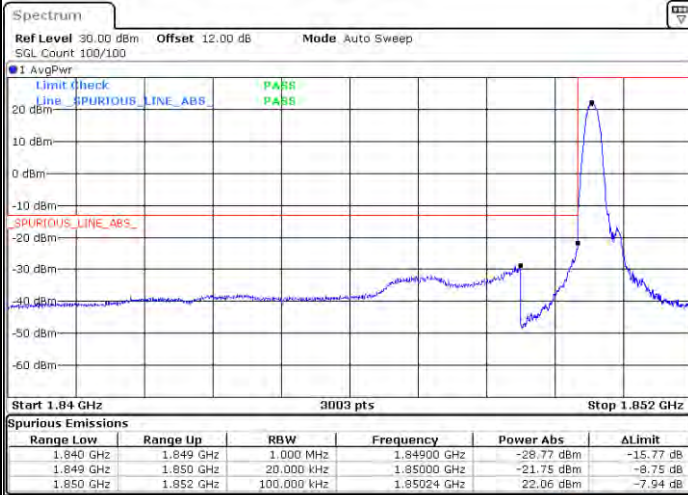
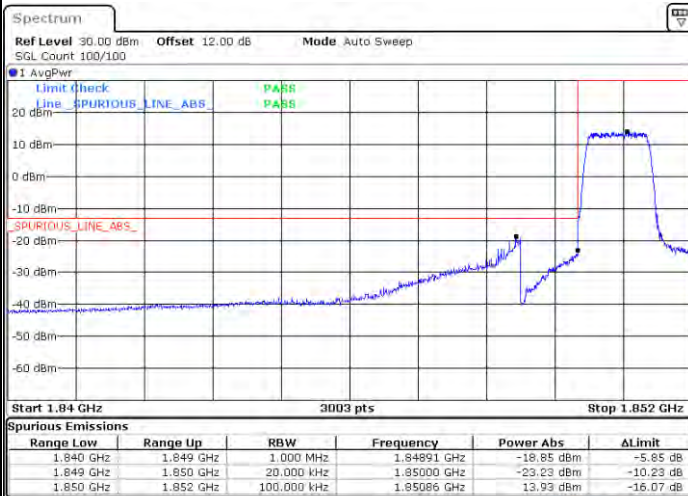
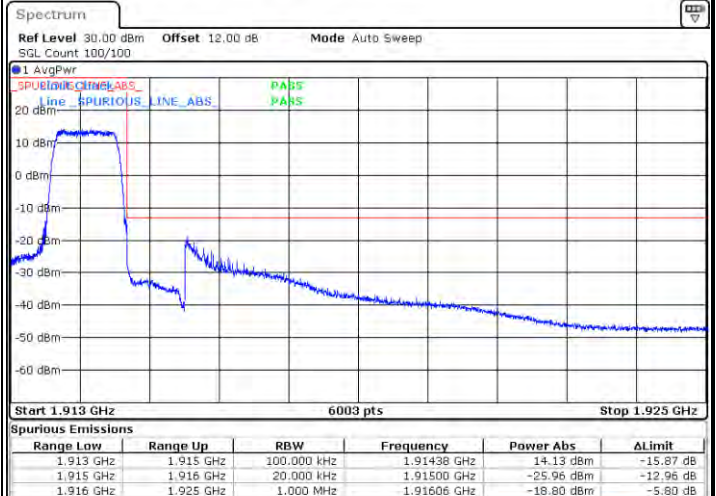


## Middle Channel / 15MHz / 256QAM



## Middle Channel / 20MHz / 256QAM

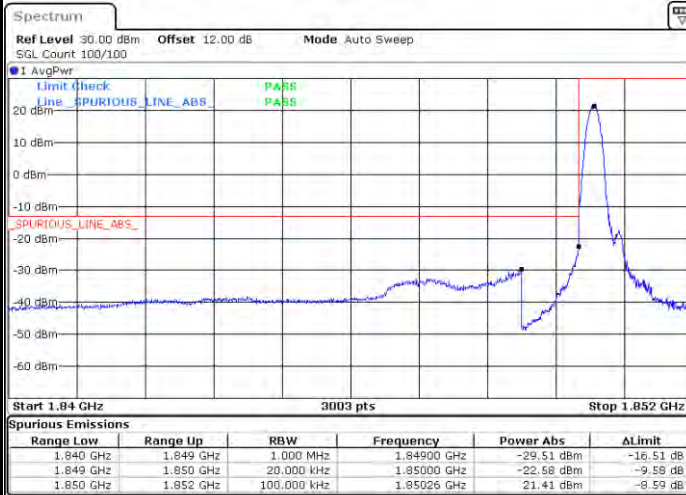


**Conducted Band Edge****LTE Band 25 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



## LTE Band 25 / 1.4MHz / 16QAM

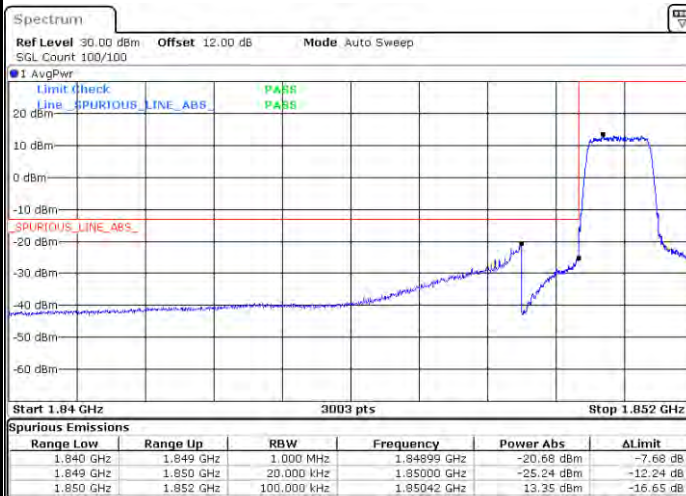
## Lowest Band Edge / 1 RB



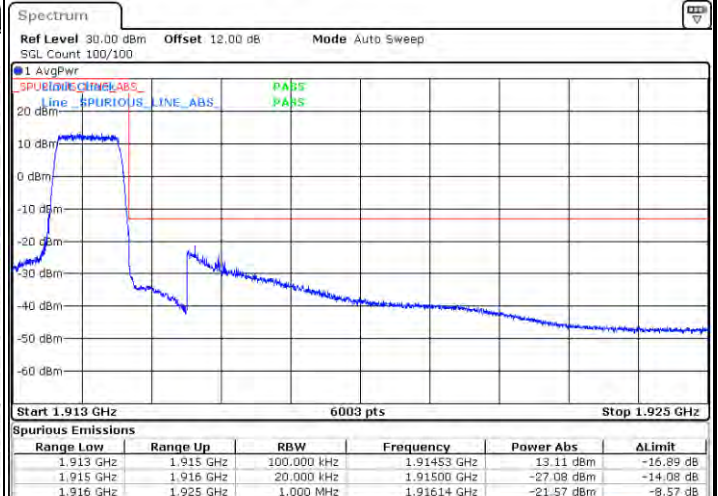
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



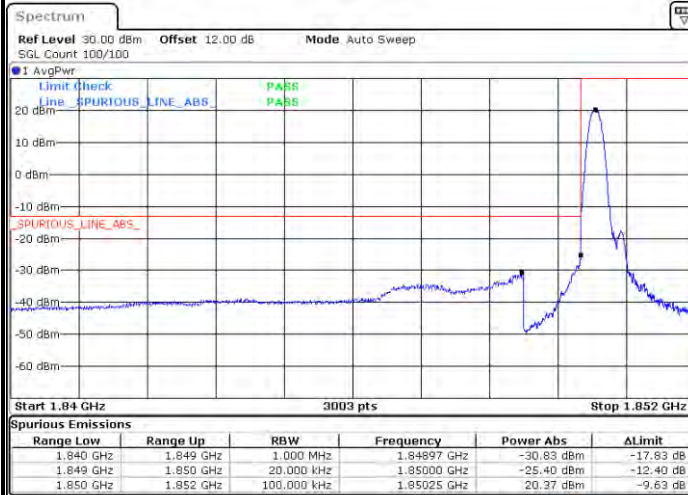
## Highest Band Edge / Full RB





## LTE Band 25 / 1.4MHz / 64QAM

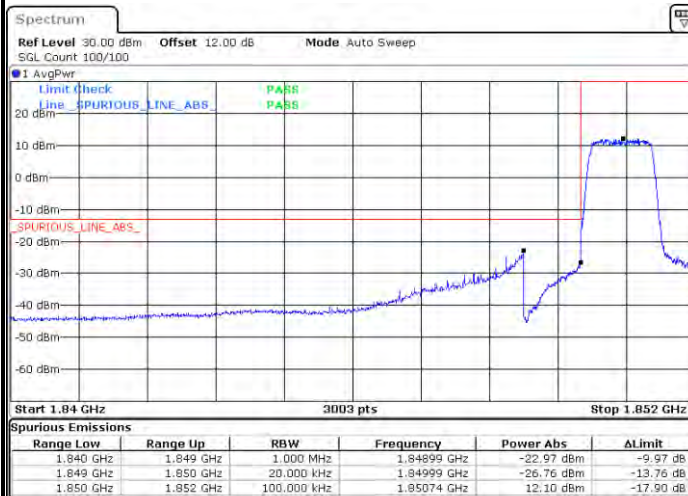
## Lowest Band Edge / 1 RB



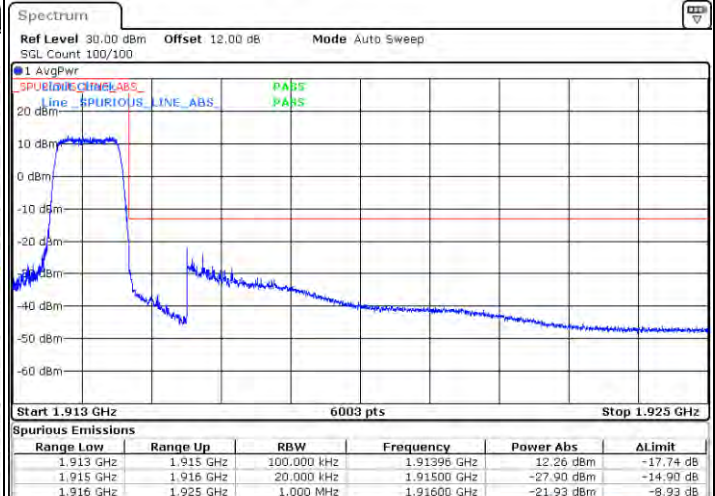
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



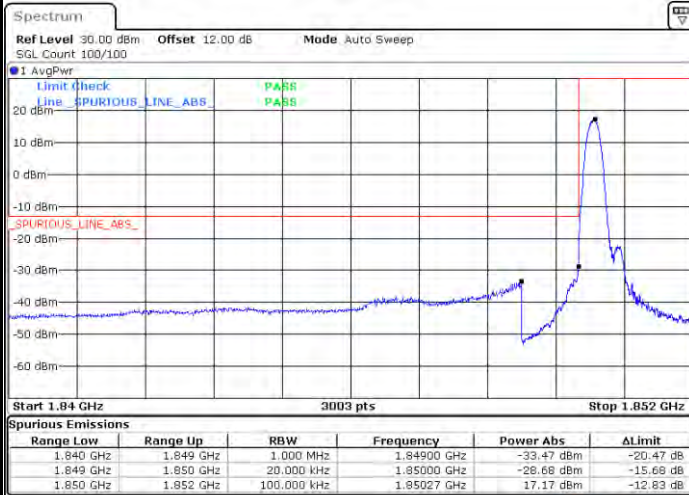
## Highest Band Edge / Full RB





## LTE Band 25 / 1.4MHz / 256QAM

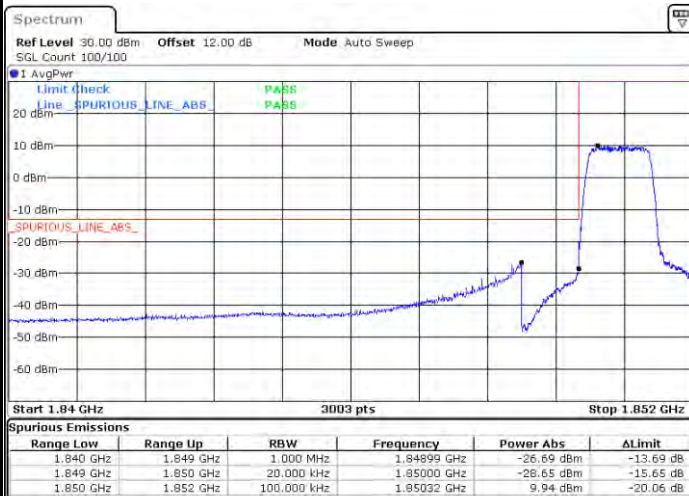
## Lowest Band Edge / 1 RB



## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



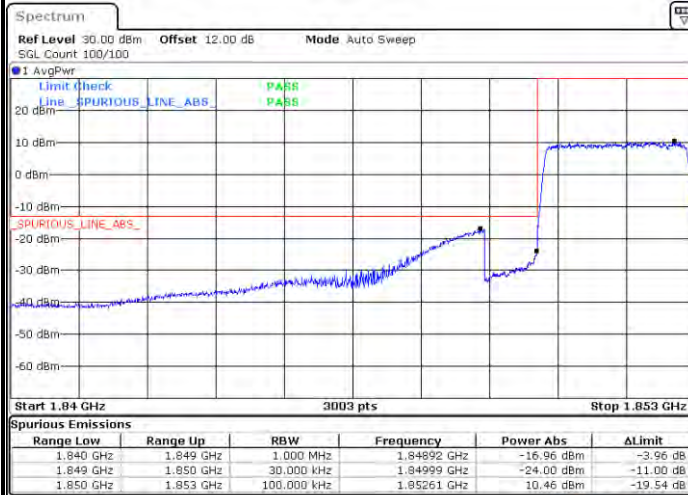
## Highest Band Edge / Full RB



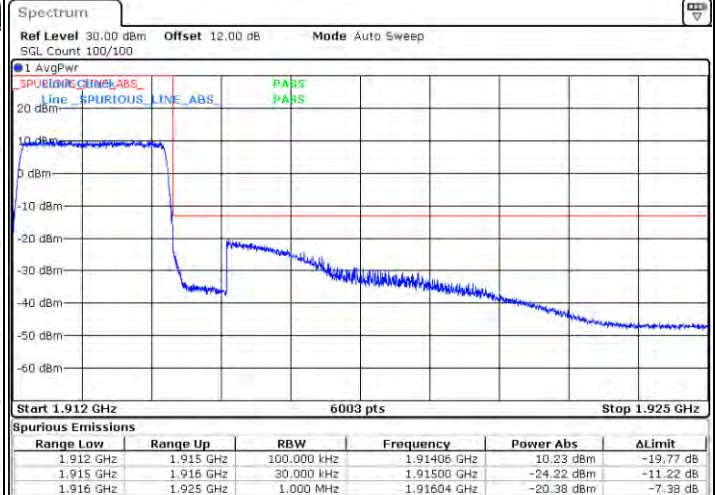


## LTE Band 25 / 3MHz / QPSK

## Lowest Band Edge / Full RB

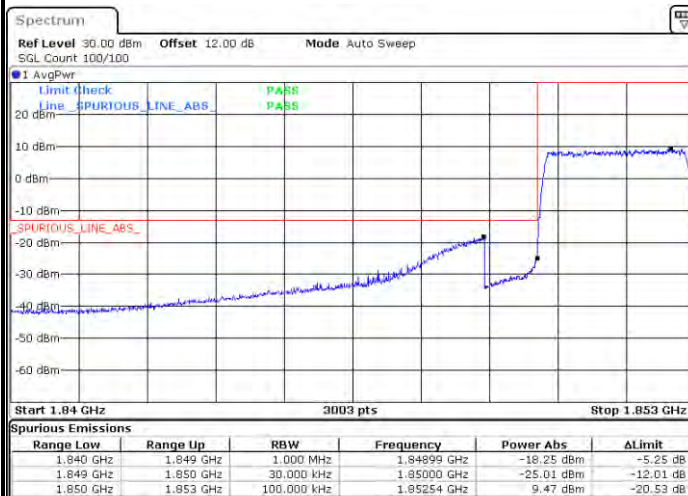


## Highest Band Edge / Full RB



## LTE Band 25 / 3MHz / 16QAM

## Lowest Band Edge / Full RB



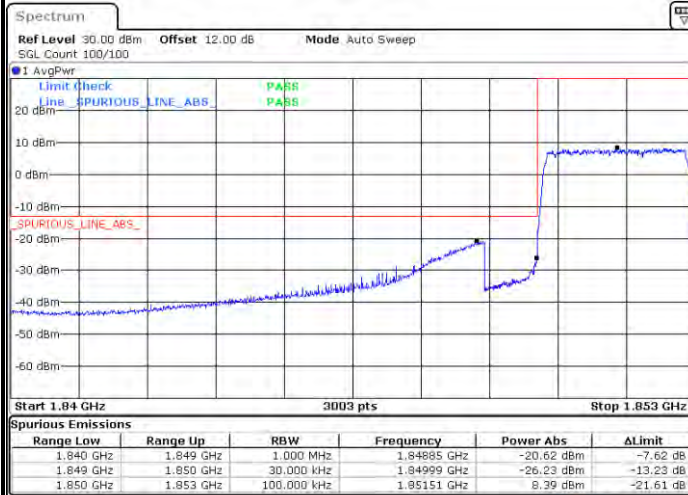
## Highest Band Edge / Full RB



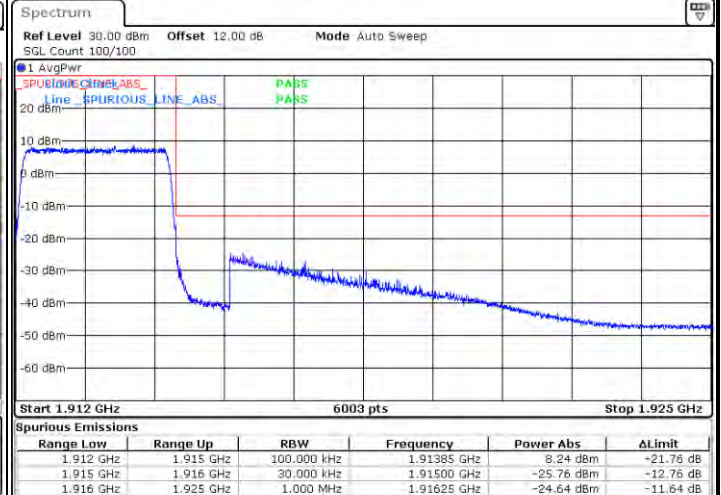


## LTE Band 25 / 3MHz / 64QAM

## Lowest Band Edge / Full RB

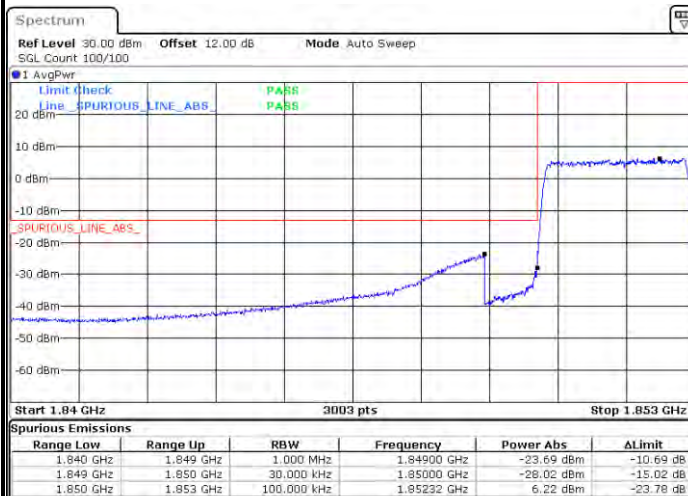


## Highest Band Edge / Full RB

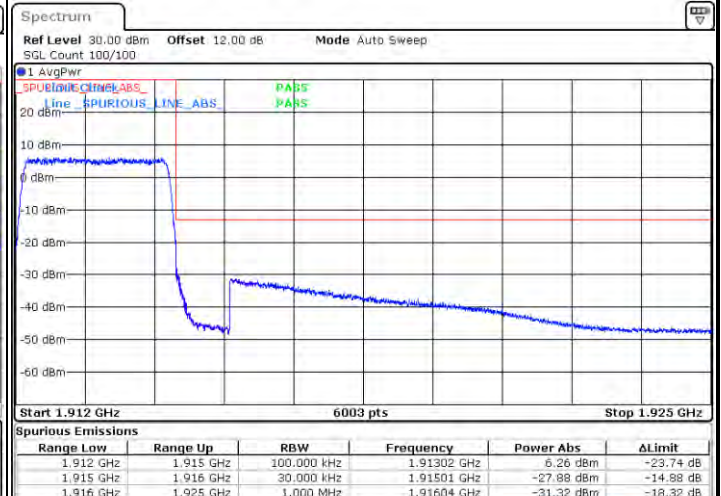


## LTE Band 25 / 3MHz / 256QAM

## Lowest Band Edge / Full RB



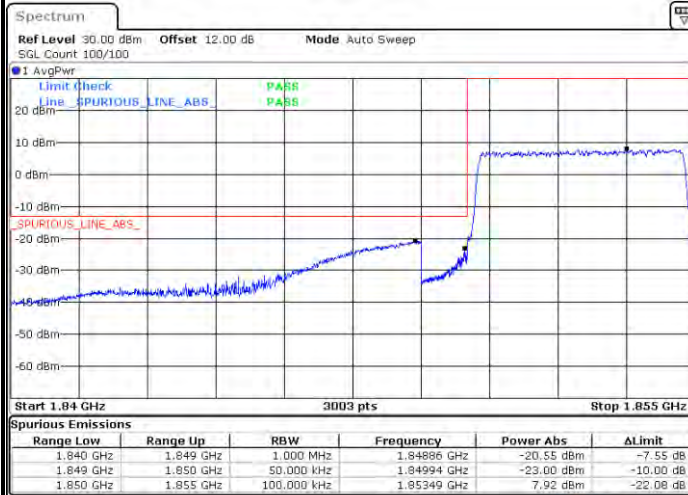
## Highest Band Edge / Full RB



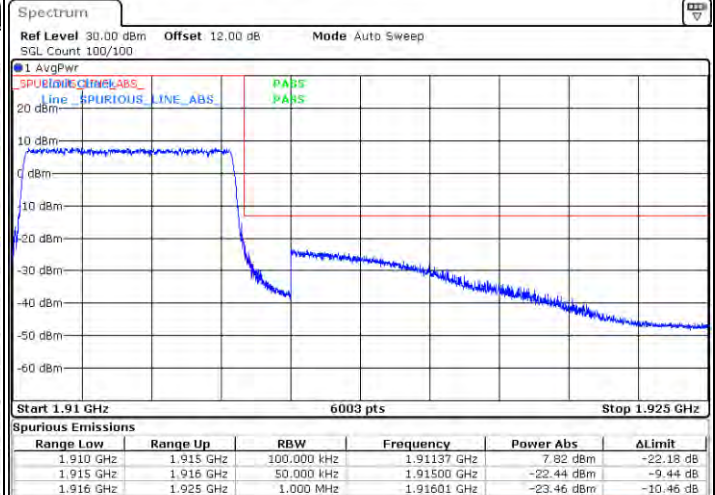


## LTE Band 25 / 5MHz / QPSK

## Lowest Band Edge / Full RB

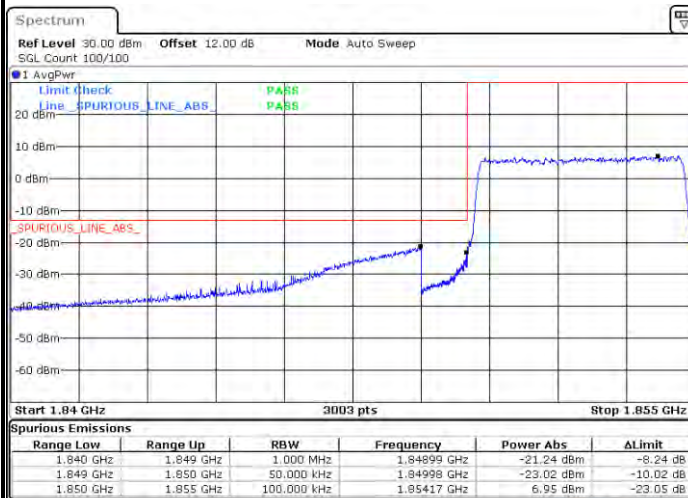


## Highest Band Edge / Full RB



## LTE Band 25 / 5MHz / 16QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

