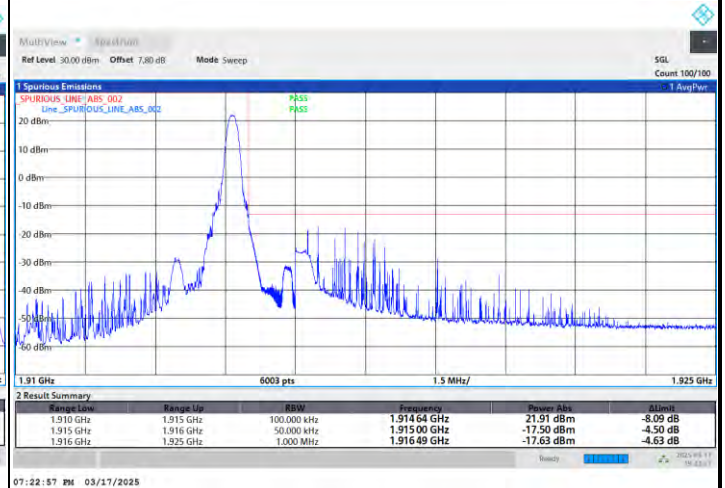
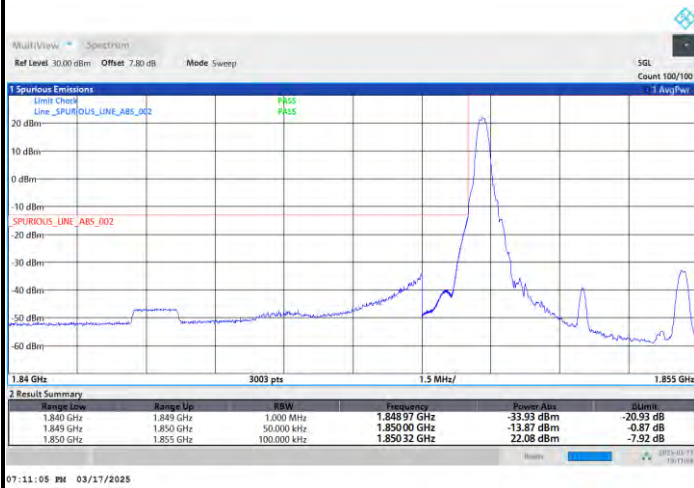


**Conducted Band Edge**

FR1 n25 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

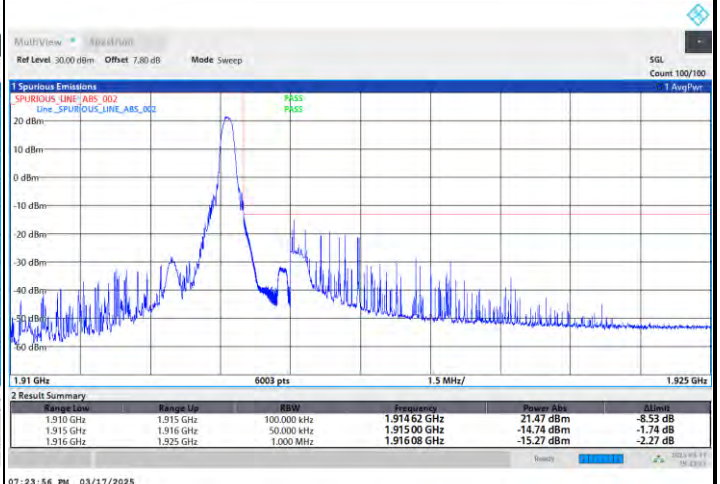
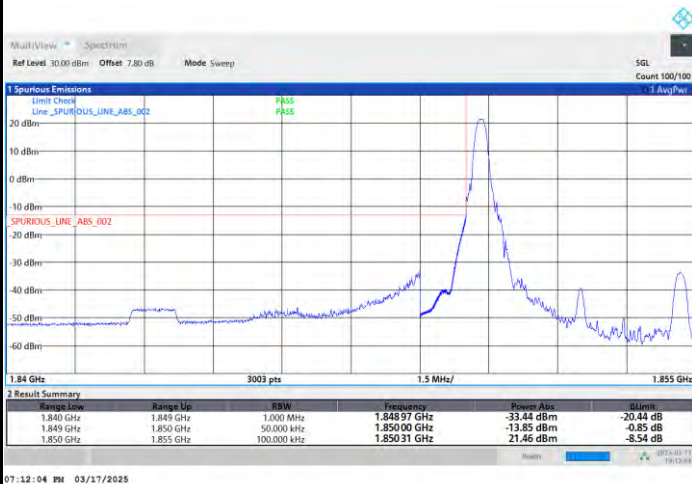




## FR1 n25 / 5MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

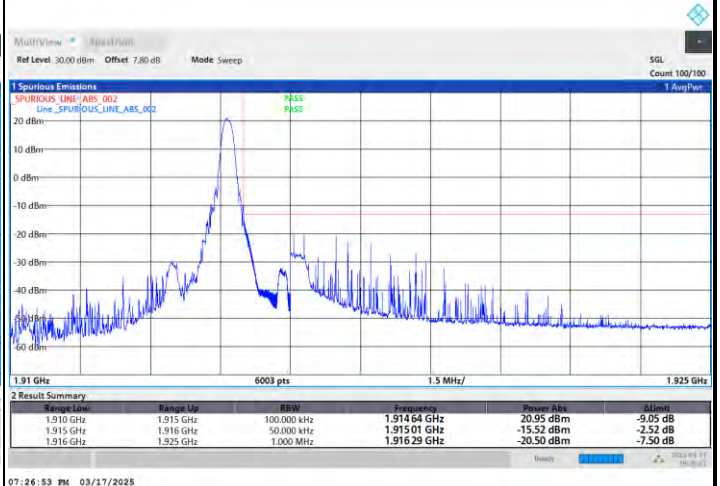
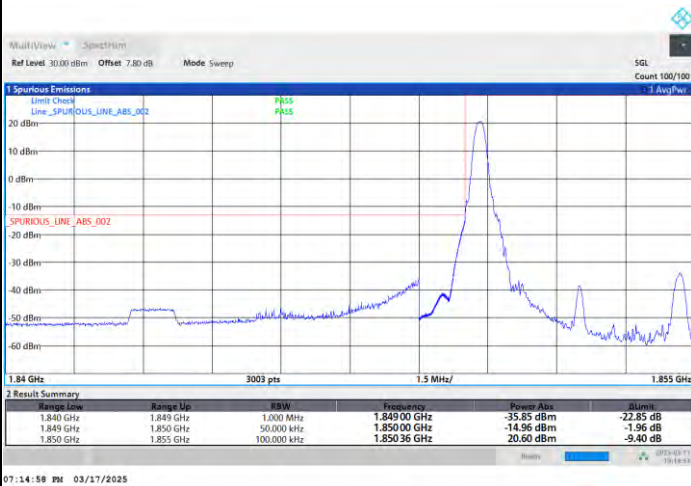




## FR1 n25 / 5MHz / DFT-S OFDM / 16QAM

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

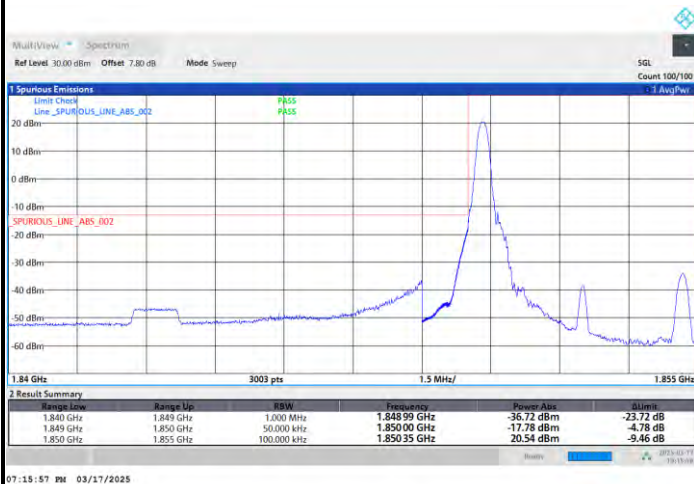
## Highest Band Edge / Full RB





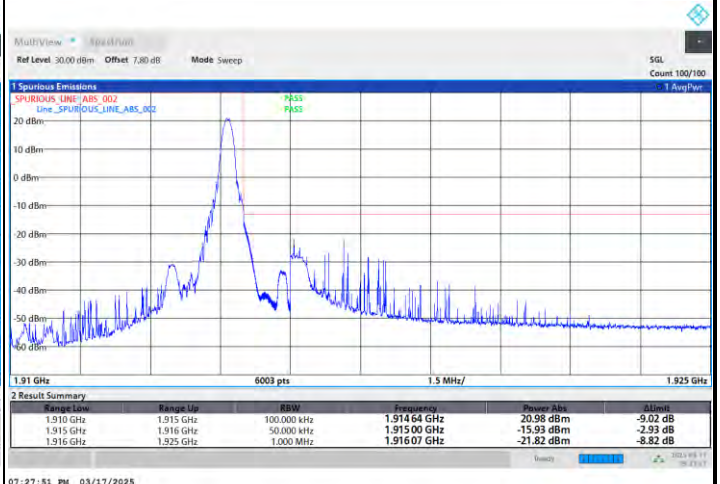
## FR1 n25 / 5MHz / DFT-S OFDM / 64QAM

## Lowest Band Edge / 1RB0



07:15:57 PM 03/17/2025

## Highest Band Edge / 1RBmax



07:27:51 PM 03/17/2025

## Lowest Band Edge / Full RB



07:16:56 PM 03/17/2025

## Highest Band Edge / Full RB



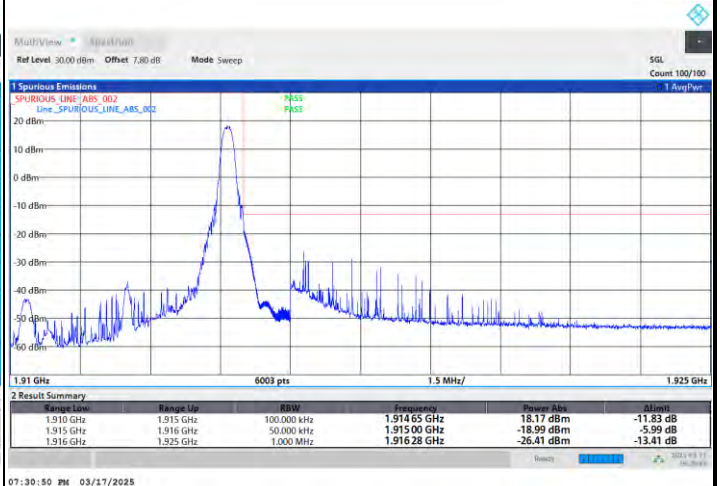
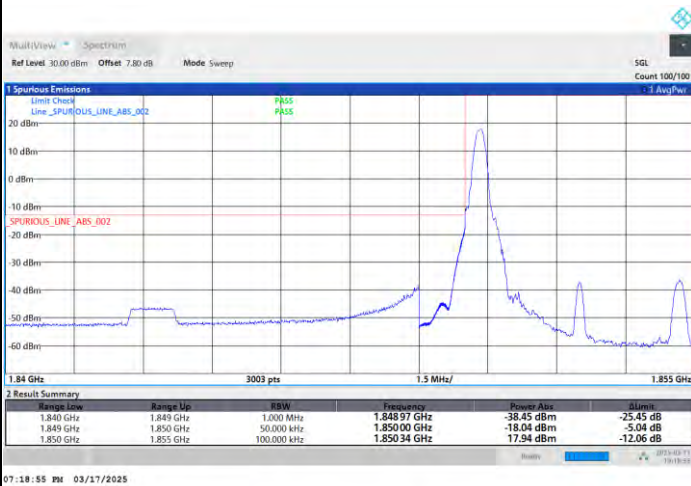
07:28:50 PM 03/17/2025



## FR1 n25 / 5MHz / DFT-S OFDM / 256QAM

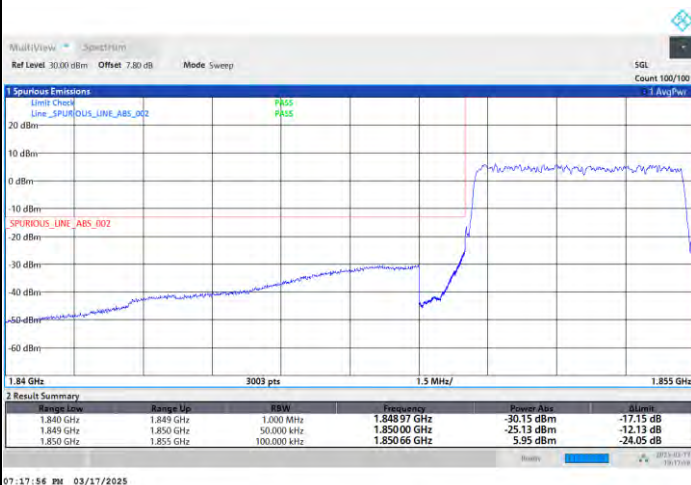
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB





## FR1 n25 / 5MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



## Highest Band Edge





## FR1 n25 / 10MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

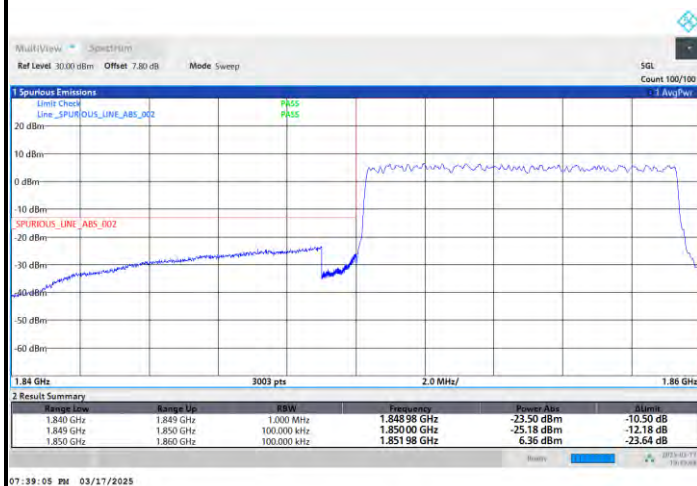


## Highest Band Edge / Full RB

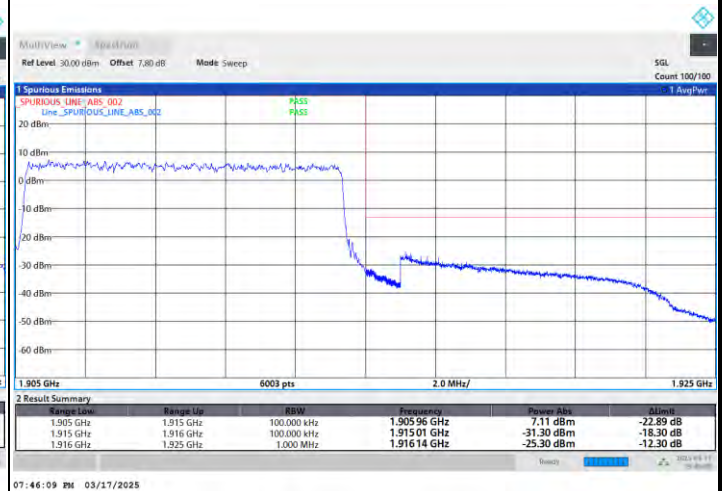


## FR1 n25 / 10MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



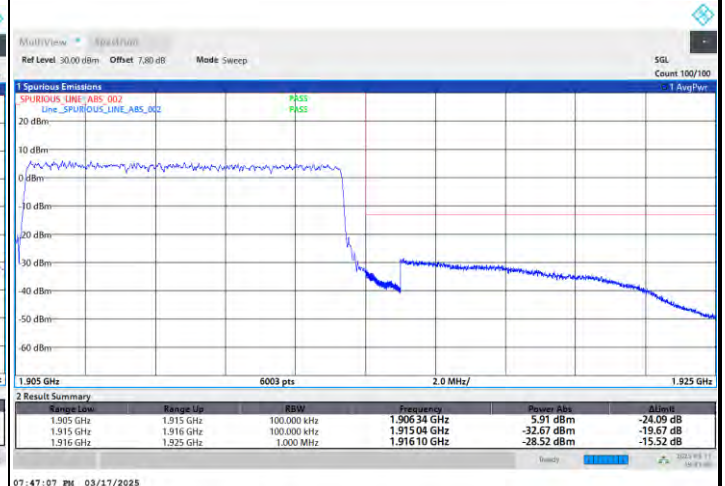


## FR1 n25 / 10MHz / DFT-s-OFDM / 16QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



## FR1 n25 / 10MHz / DFT-s-OFDM / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



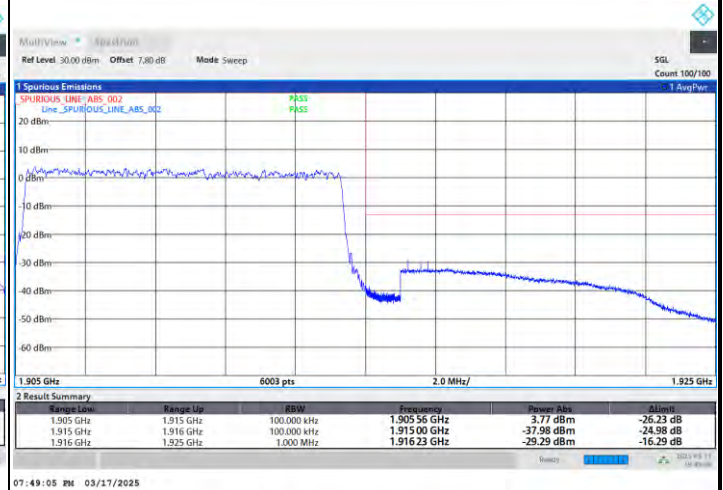


## FR1 n25 / 10MHz / DFT-s-OFDM / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

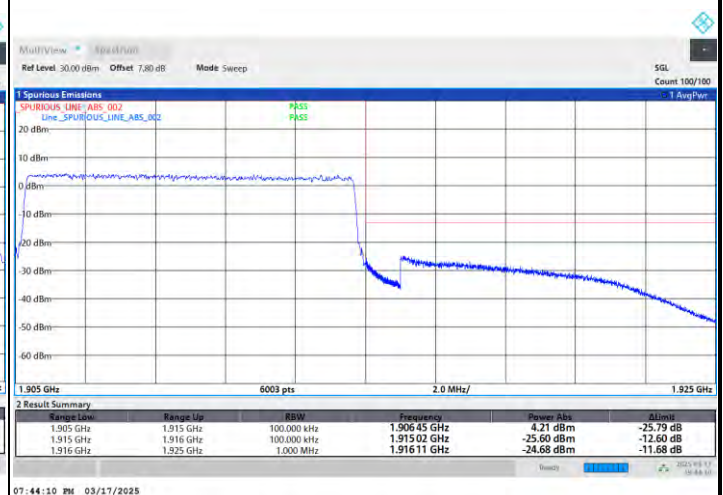


## FR1 n25 / 10MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



## Highest Band Edge





## FR1 n25 / 15MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

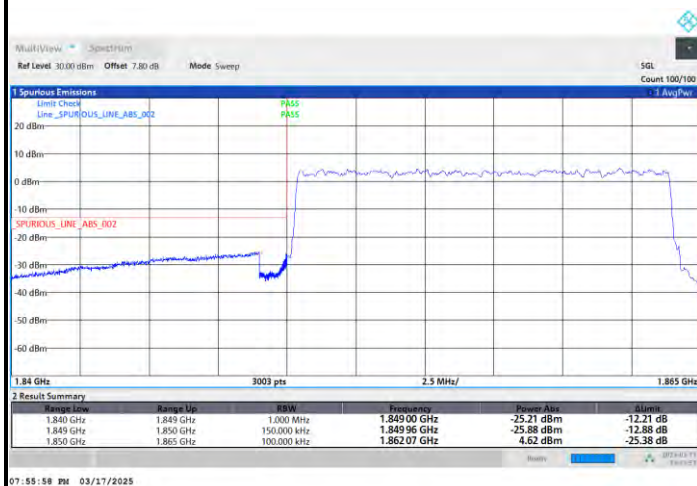


## Highest Band Edge / Full RB

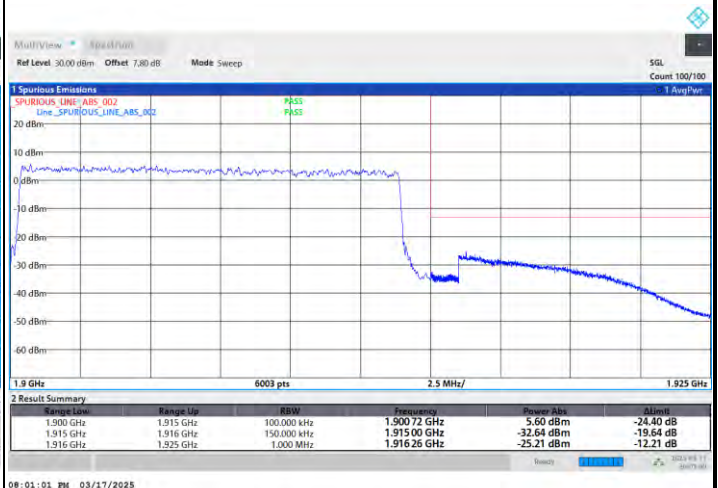


## FR1 n25 / 15MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / Full RB



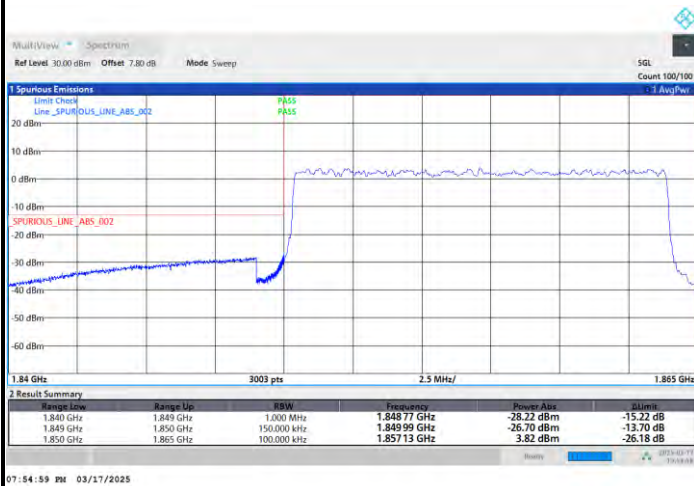
## Highest Band Edge / Full RB





## FR1 n25 / 15MHz / DFT-s-OFDM / 16QAM

## Lowest Band Edge / Full RB

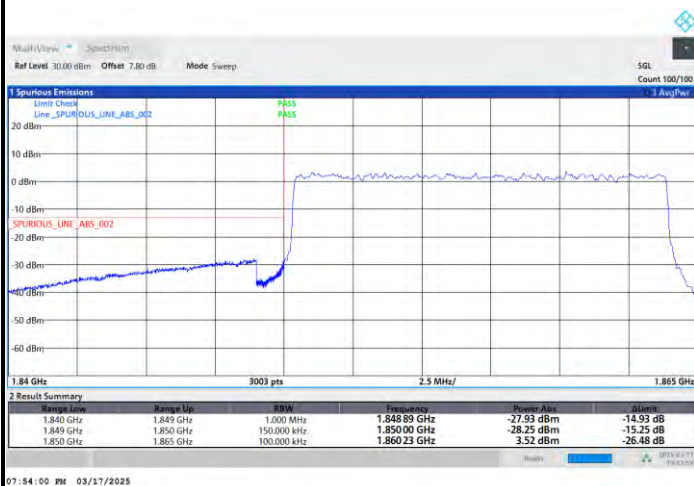


## Highest Band Edge / Full RB



## FR1 n25 / 15MHz / DFT-s-OFDM / 64QAM

## Lowest Band Edge / Full RB



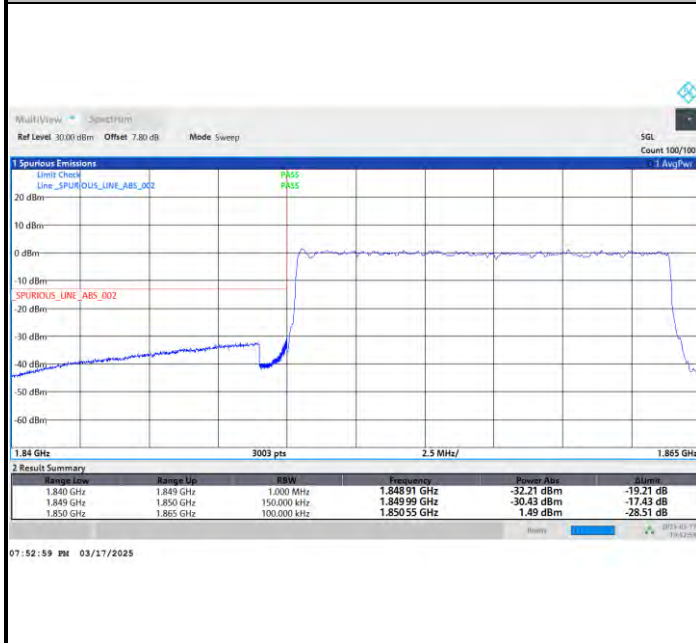
## Highest Band Edge / Full RB



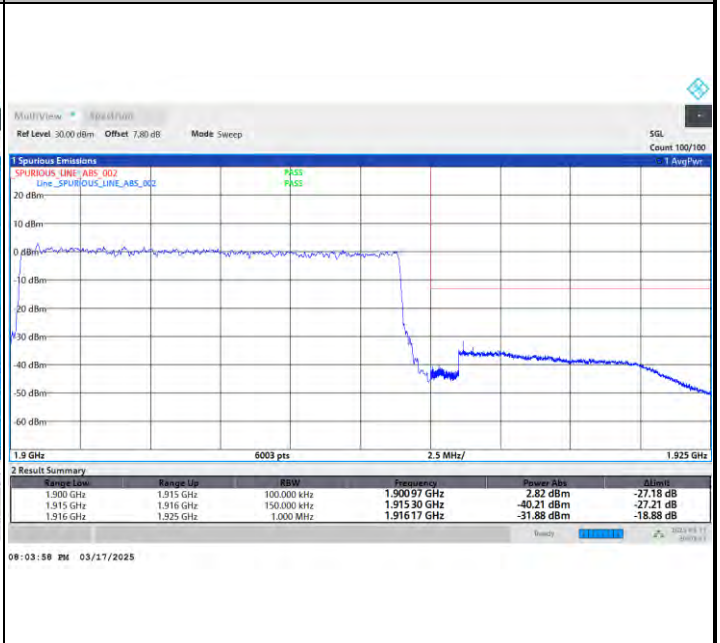


## FR1 n25 / 15MHz / DFT-s-OFDM / 256QAM

## Lowest Band Edge / Full RB

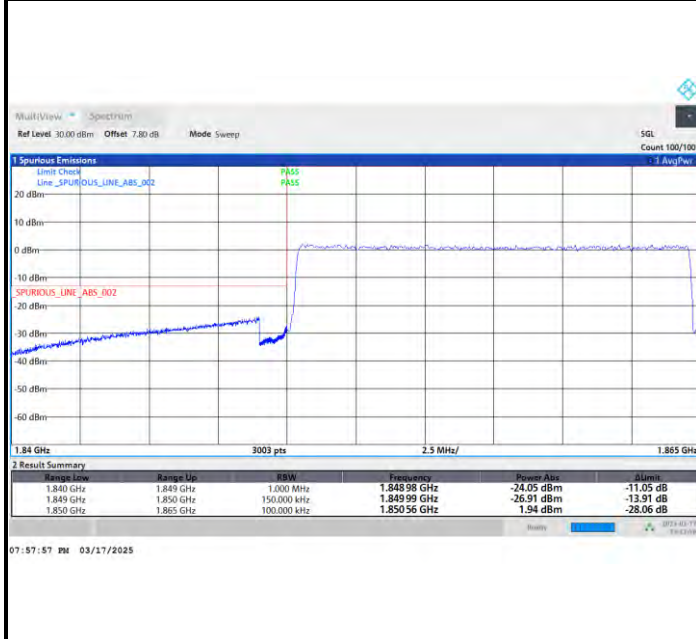


## Highest Band Edge / Full RB

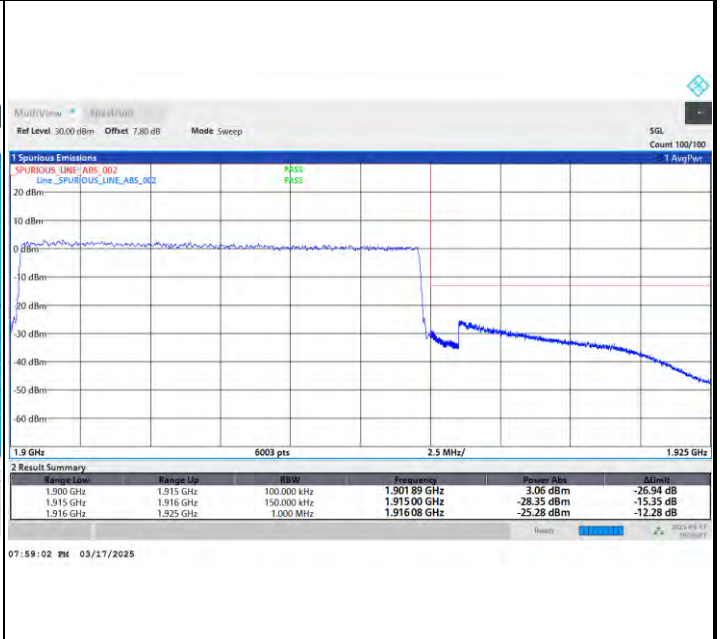


## FR1 n25 / 15MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



## Highest Band Edge





## FR1 n25 / 20MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

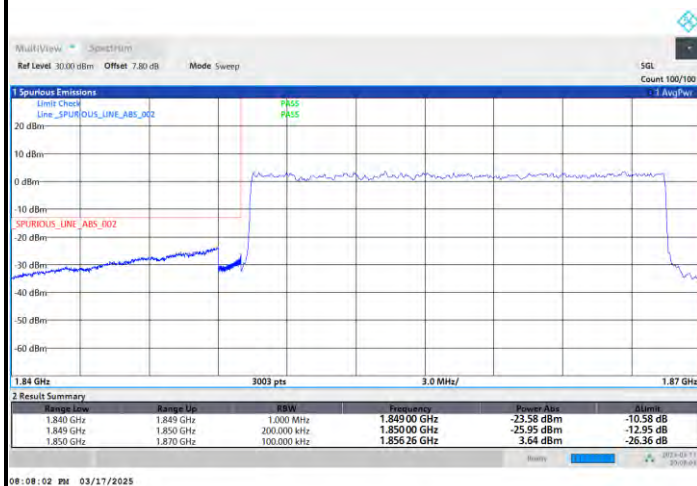


## Highest Band Edge / Full RB



## FR1 n25 / 20MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB





## FR1 n25 / 20MHz / DFT-s-OFDM / 16QAM

## Lowest Band Edge / Full RB

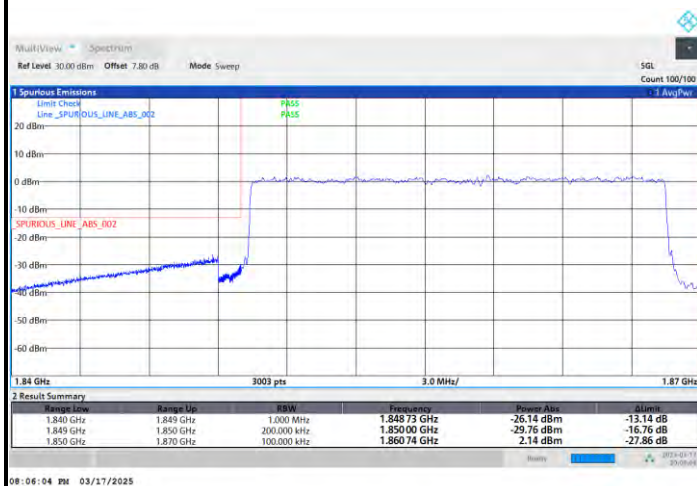


## Highest Band Edge / Full RB



## FR1 n25 / 20MHz / DFT-s-OFDM / 64QAM

## Lowest Band Edge / Full RB



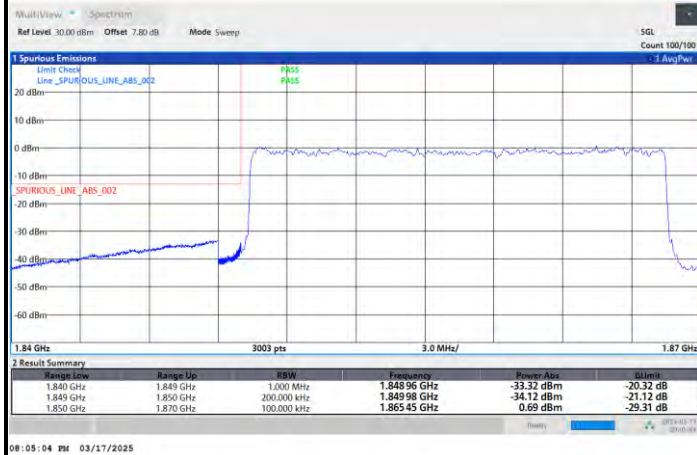
## Highest Band Edge / Full RB



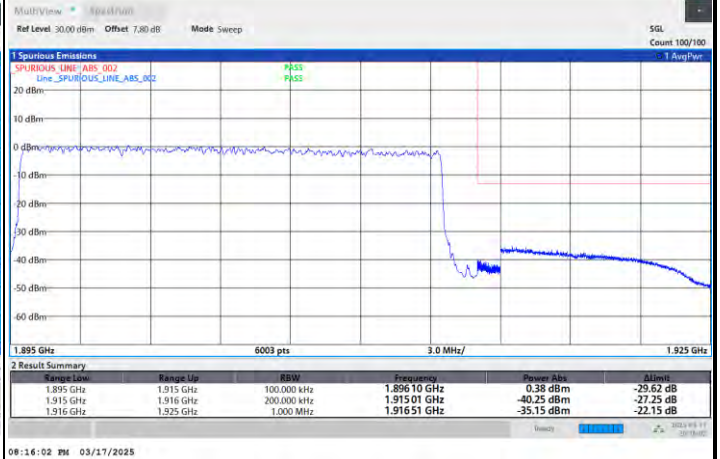


## FR1 n25 / 20MHz / DFT-s-OFDM / 256QAM

## Lowest Band Edge / Full RB

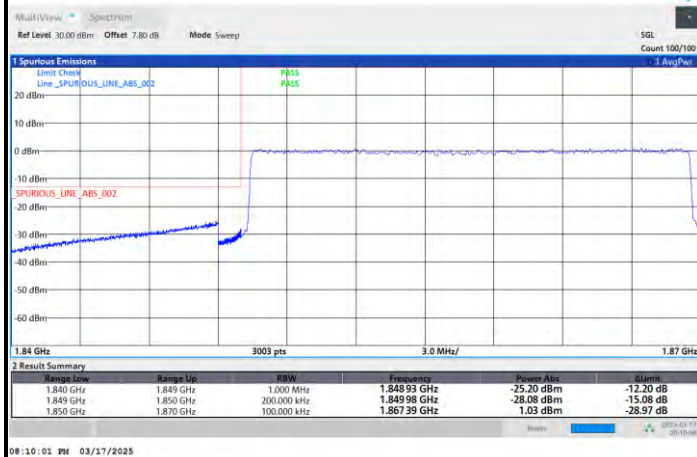


## Highest Band Edge / Full RB

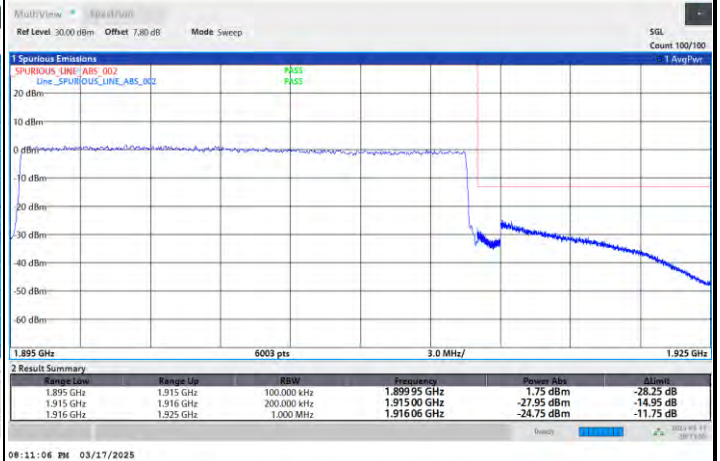


## FR1 n25 / 20MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



## Highest Band Edge



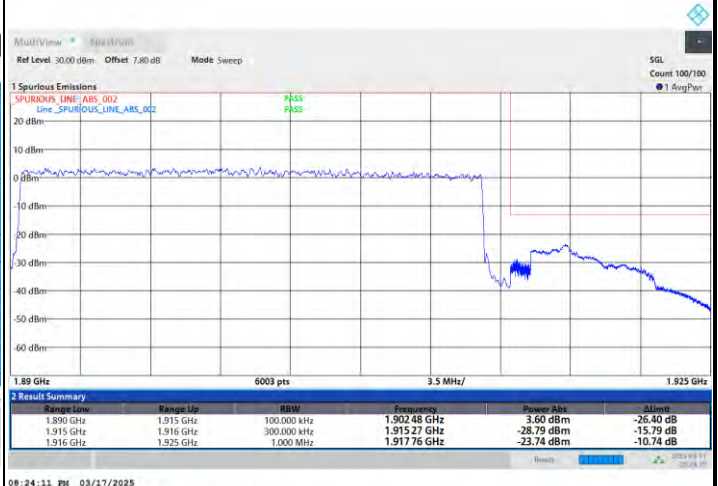


## FR1 n25 / 25MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

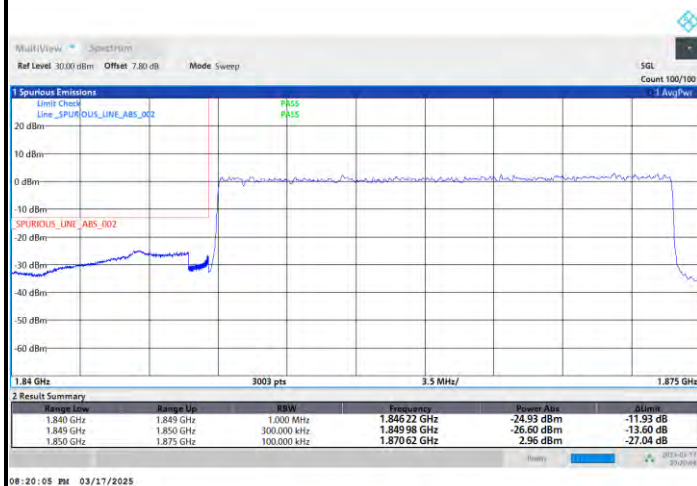


## Highest Band Edge / Full RB

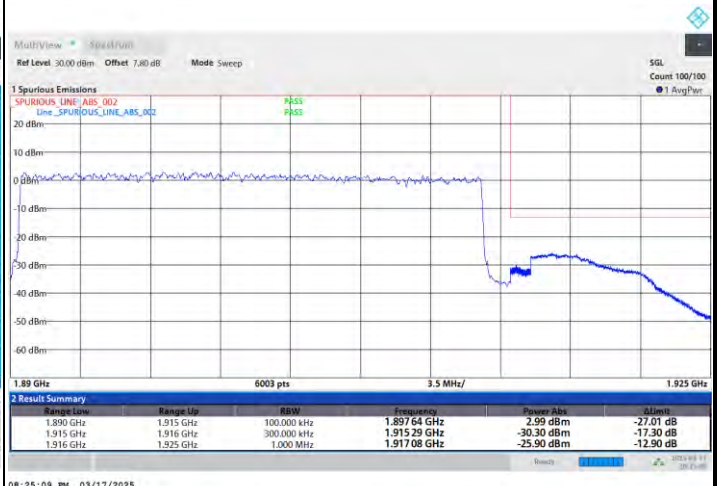


## FR1 n25 / 25MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / Full RB



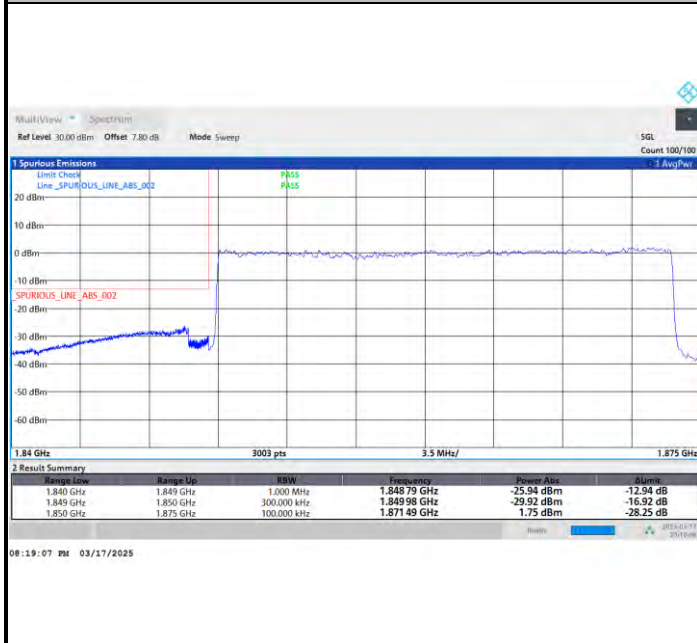
## Highest Band Edge / Full RB



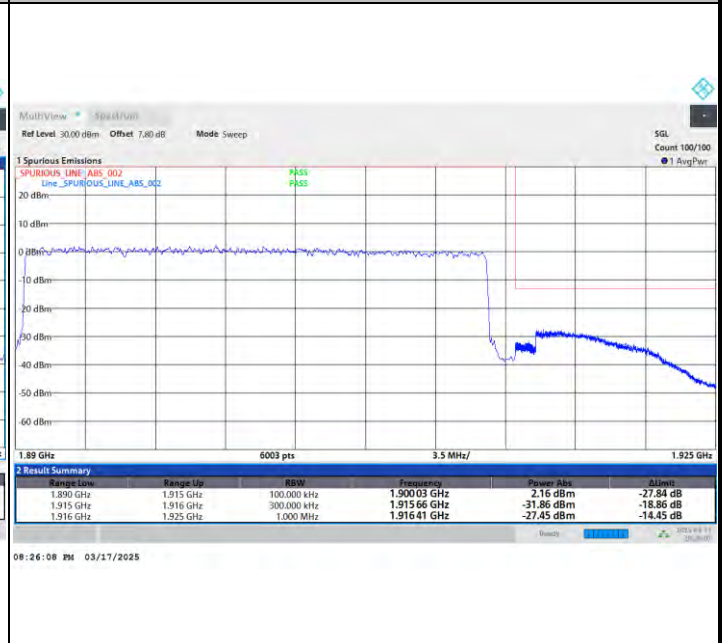


## FR1 n25 / 25MHz / DFT-s-OFDM / 16QAM

## Lowest Band Edge / Full RB

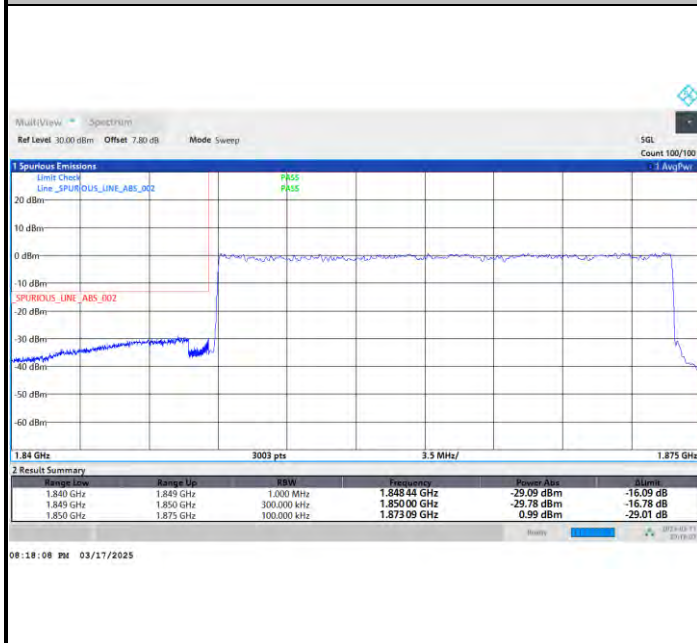


## Highest Band Edge / Full RB

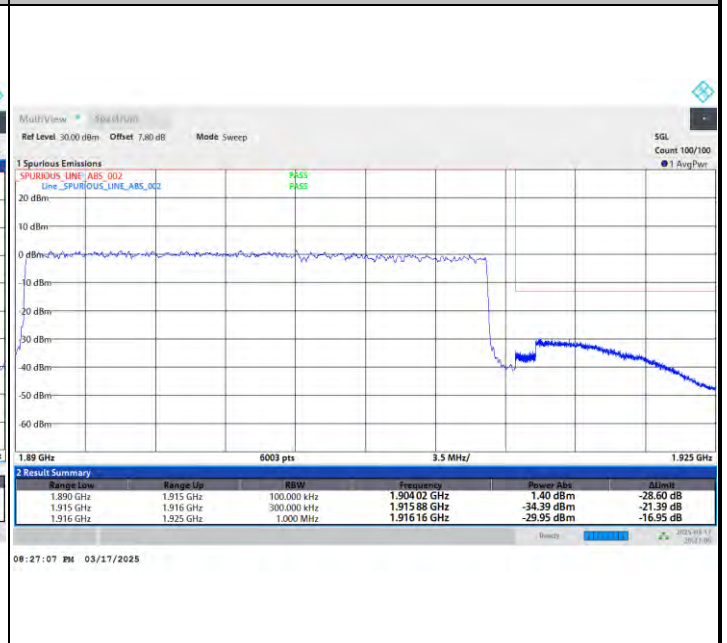


## FR1 n25 / 25MHz / DFT-s-OFDM / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



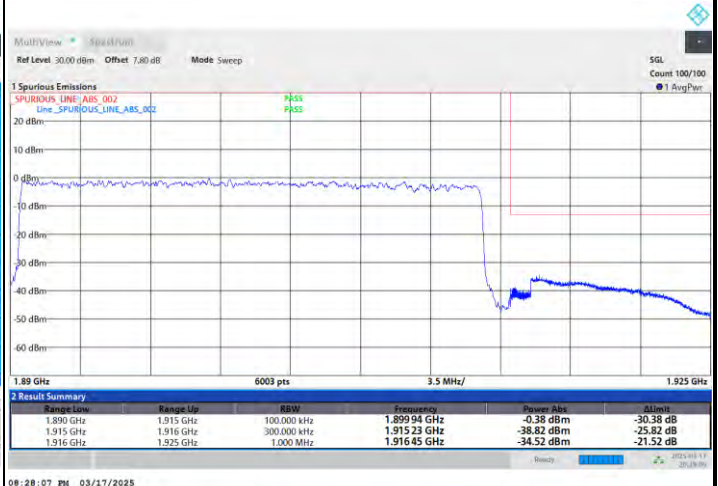


## FR1 n25 / 25MHz / DFT-s-OFDM / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



## FR1 n25 / 25MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



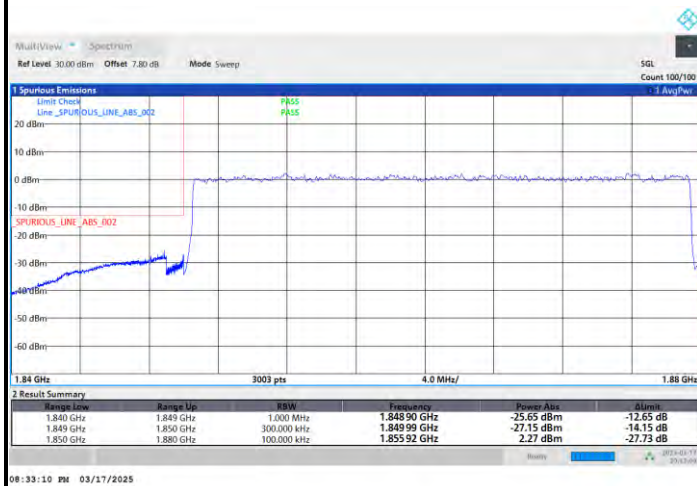
## Highest Band Edge



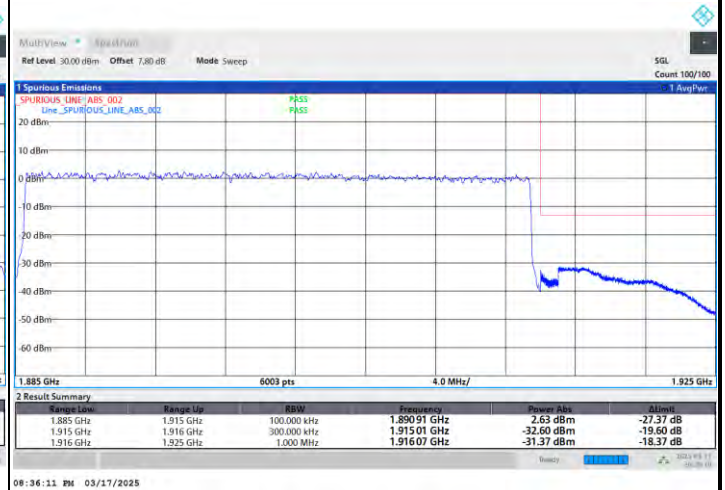


## FR1 n25 / 30MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

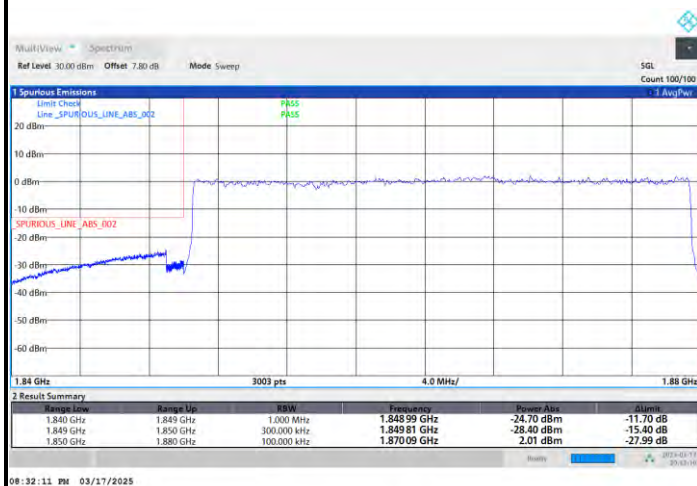


## Highest Band Edge / Full RB



## FR1 n25 / 30MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / Full RB



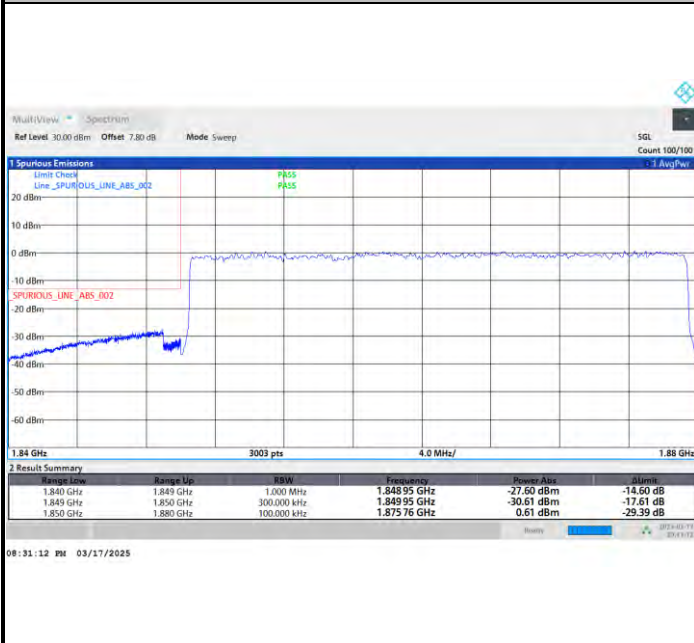
## Highest Band Edge / Full RB



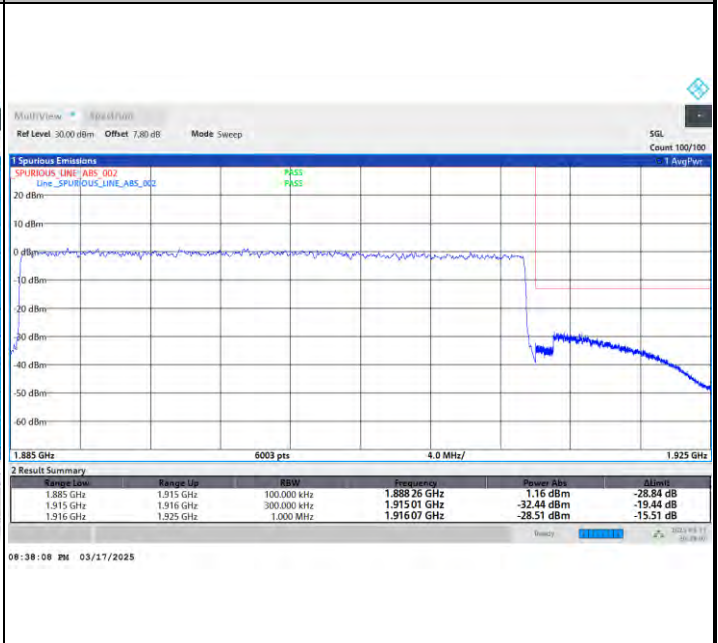


## FR1 n25 / 30MHz / DFT-s-OFDM / 16QAM

### Lowest Band Edge / Full RB

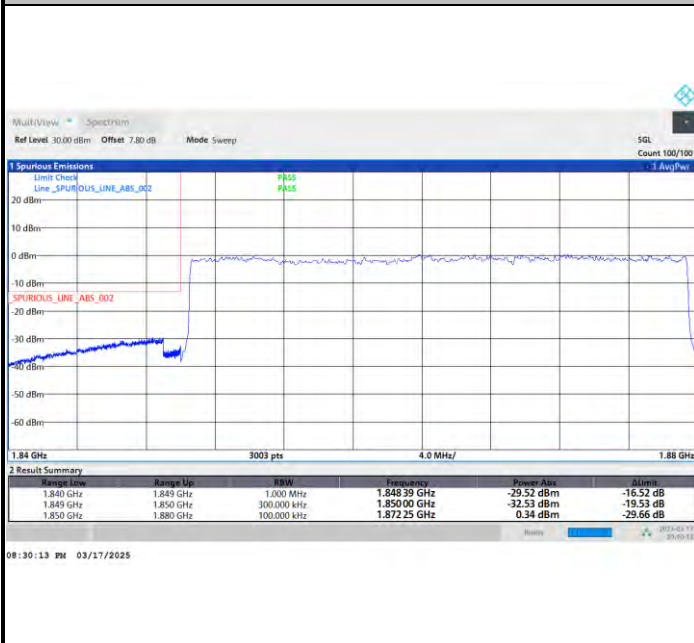


### Highest Band Edge / Full RB

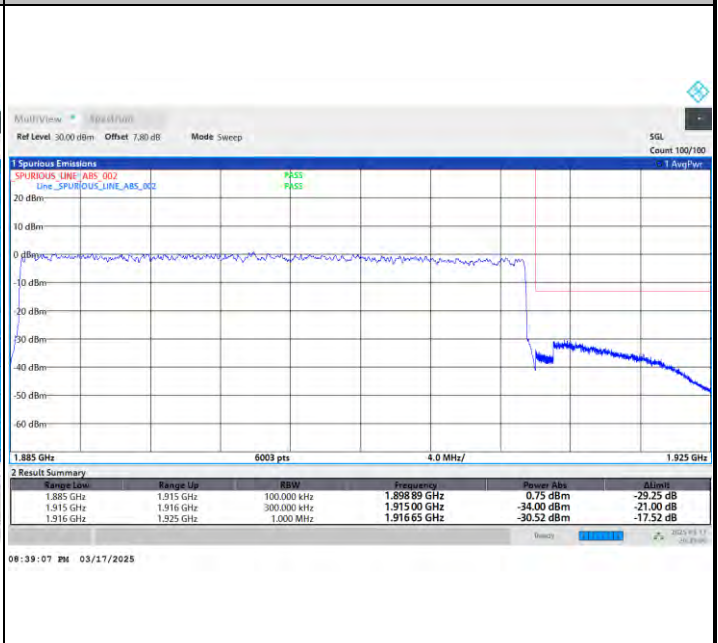


**FR1 n25 / 30MHz / DFT-s-OFDM / 64QAM**

### Lowest Band Edge / Full RB



### Highest Band Edge / Full RB





## FR1 n25 / 30MHz / DFT-s-OFDM / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

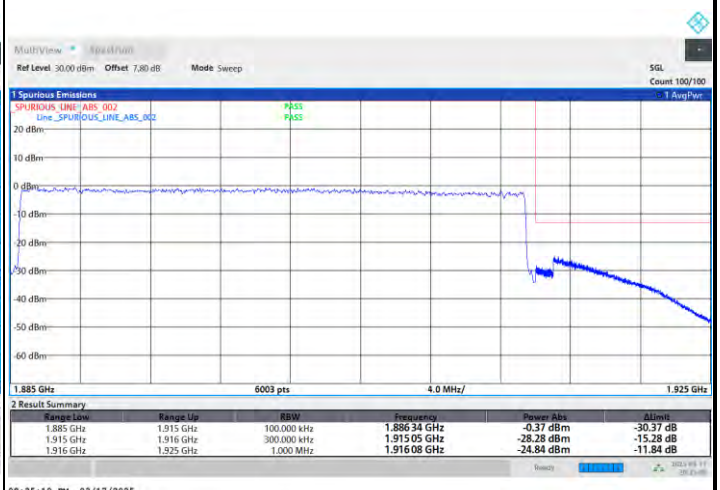


## FR1 n25 / 30MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



## Highest Band Edge





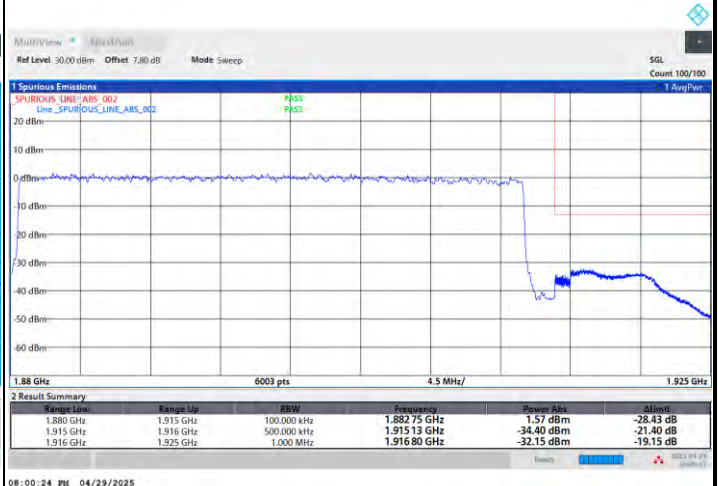
## FR1 n25 / 35MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB



08:02:51 PM 04/29/2025

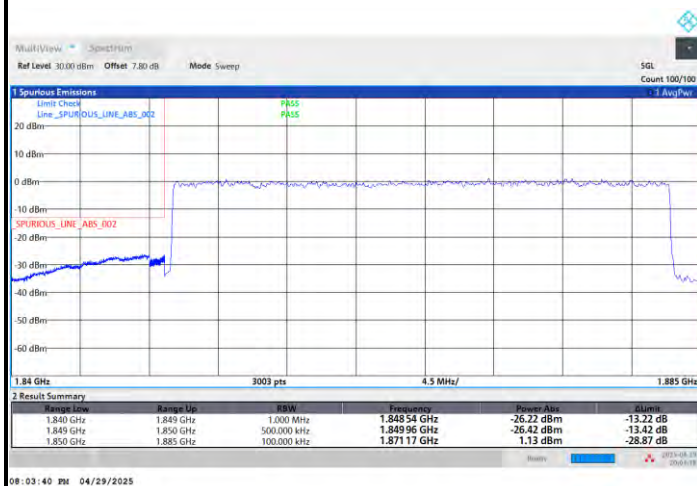
## Highest Band Edge / Full RB



08:00:24 PM 04/29/2025

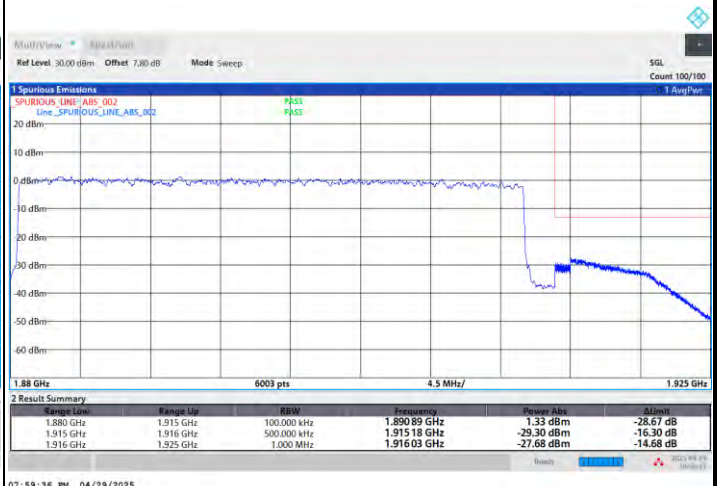
## FR1 n25 / 35MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / Full RB



08:03:40 PM 04/29/2025

## Highest Band Edge / Full RB



07:59:36 PM 04/29/2025



## FR1 n25 / 35MHz / DFT-s-OFDM / 16QAM

## Lowest Band Edge / Full RB

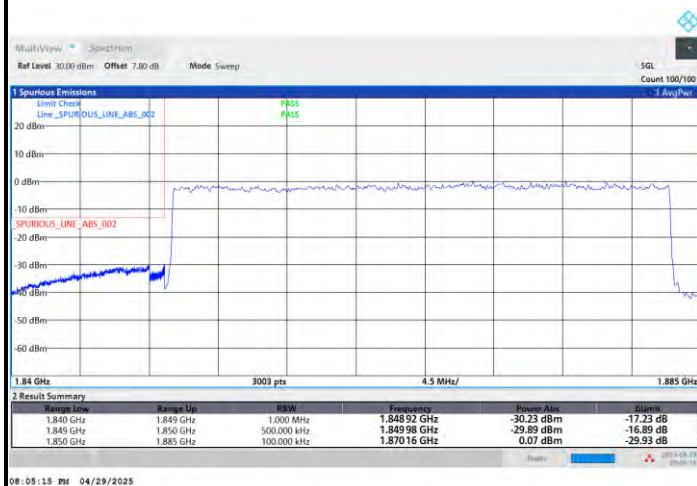


## Highest Band Edge / Full RB



## FR1 n25 / 35MHz / DFT-s-OFDM / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



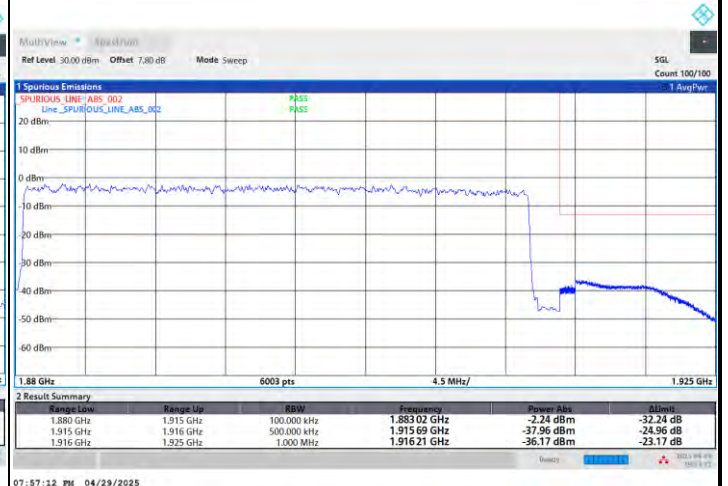


## FR1 n25 / 35MHz / DFT-s-OFDM / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

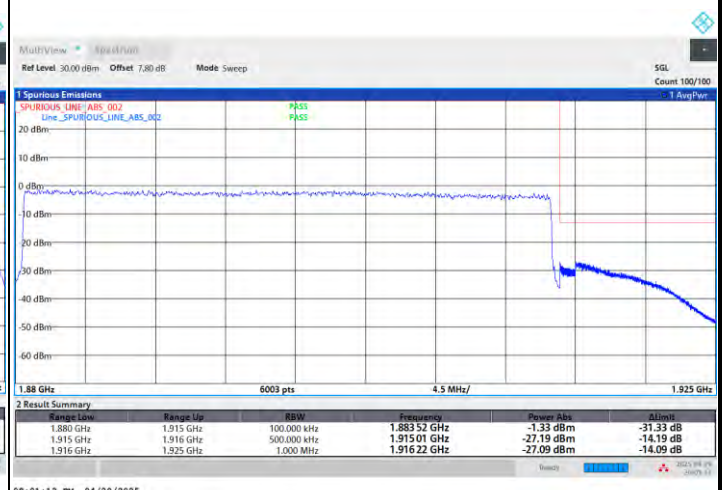


## FR1 n25 / 35MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



## Highest Band Edge



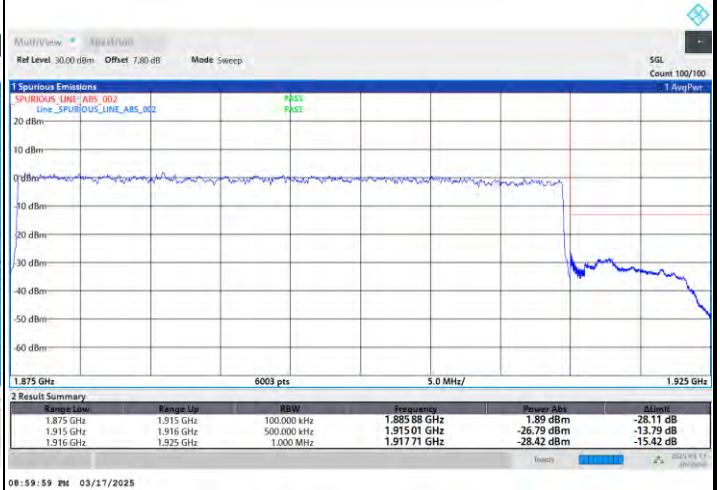


## FR1 n25 / 40MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

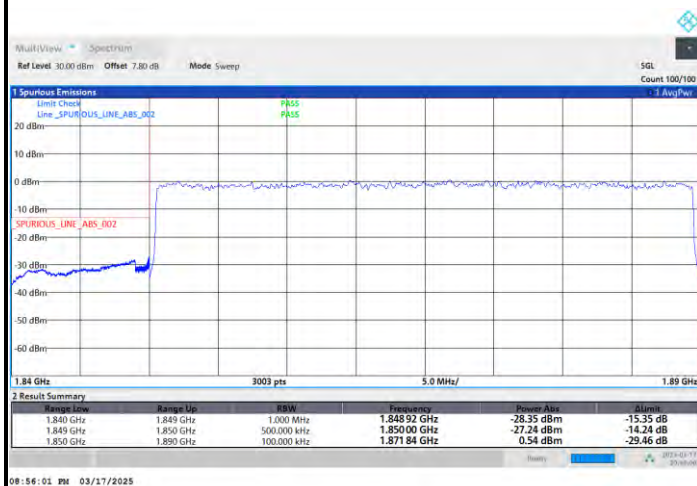


## Highest Band Edge / Full RB

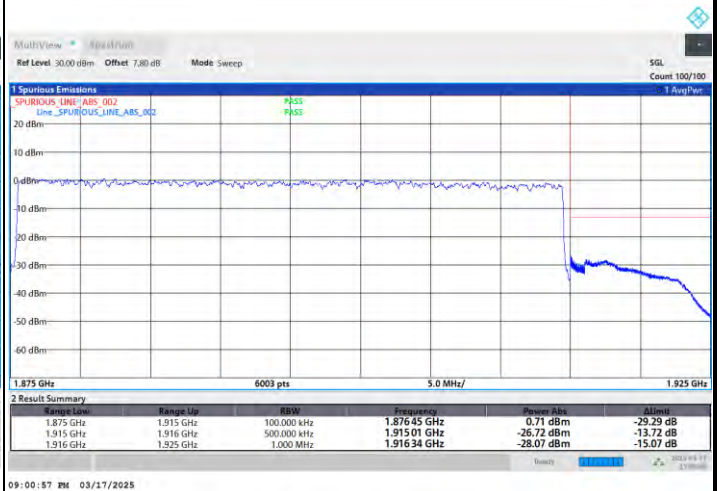


## FR1 n25 / 40MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



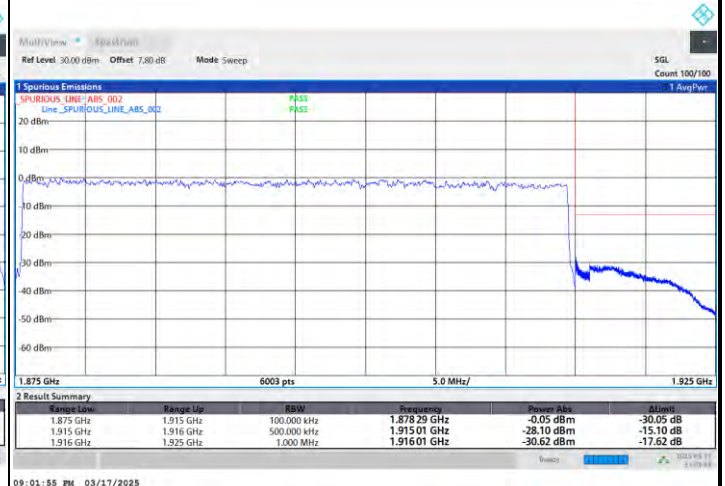


## FR1 n25 / 40MHz / DFT-s-OFDM / 16QAM

## Lowest Band Edge / Full RB

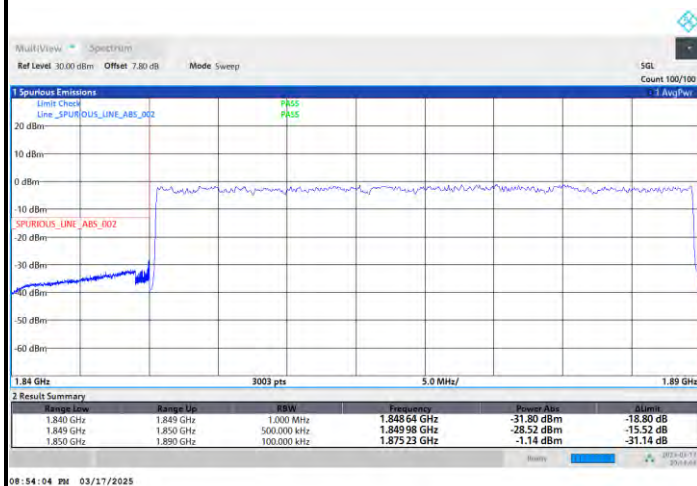


## Highest Band Edge / Full RB

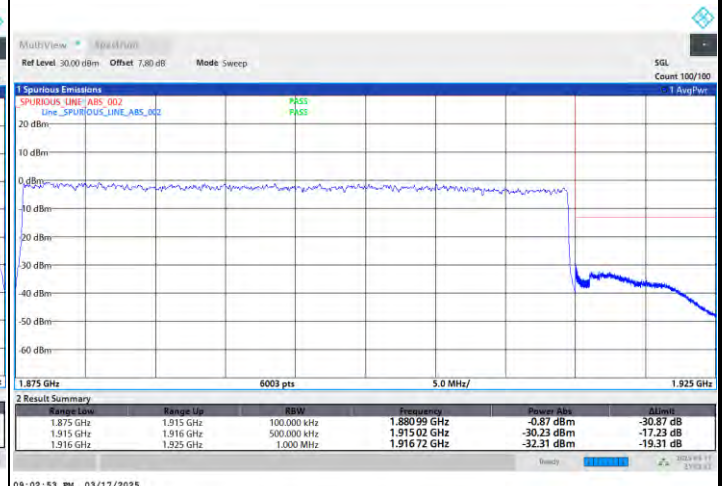


## FR1 n25 / 40MHz / DFT-s-OFDM / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



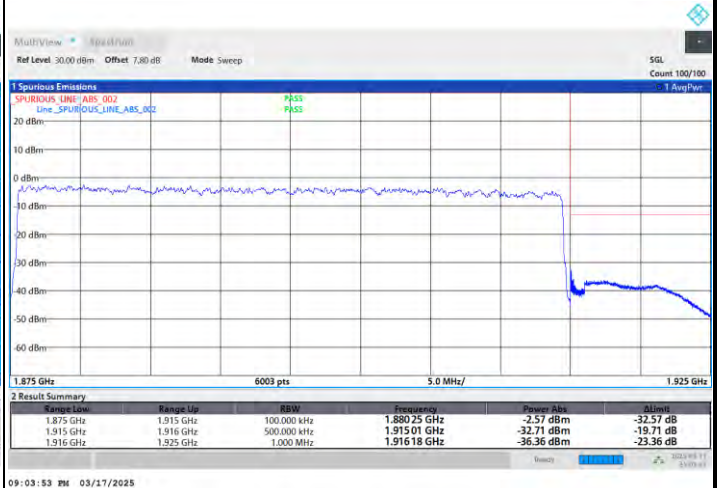


## FR1 n25 / 40MHz / DFT-s-OFDM / 256QAM

## Lowest Band Edge / Full RB

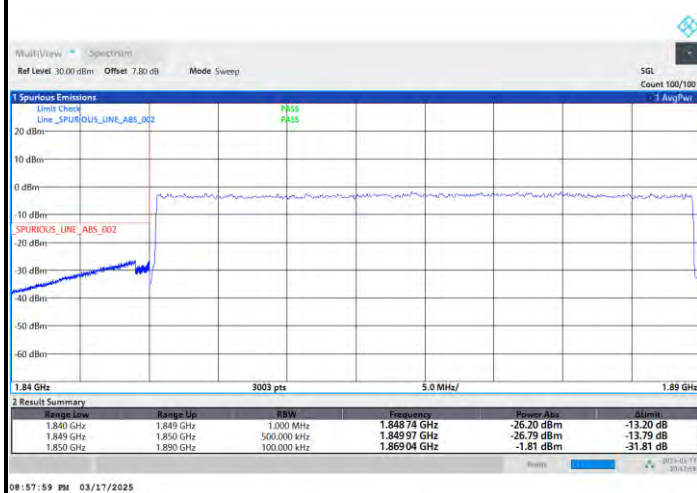


## Highest Band Edge / Full RB

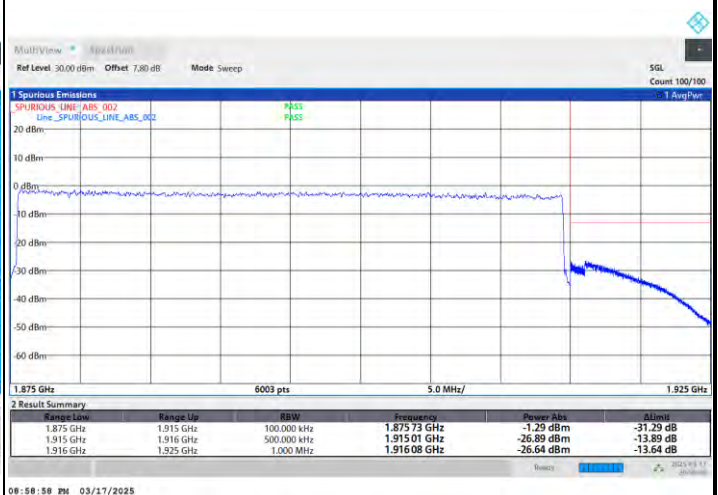


## FR1 n25 / 40MHz / CP OFDM / QPSK / Full RB

## Lowest Band Edge



## Highest Band Edge





# Conducted Spurious Emission

FR1 n25 / 5MHz / DFT-S OFDM / QPSK / 1RB1

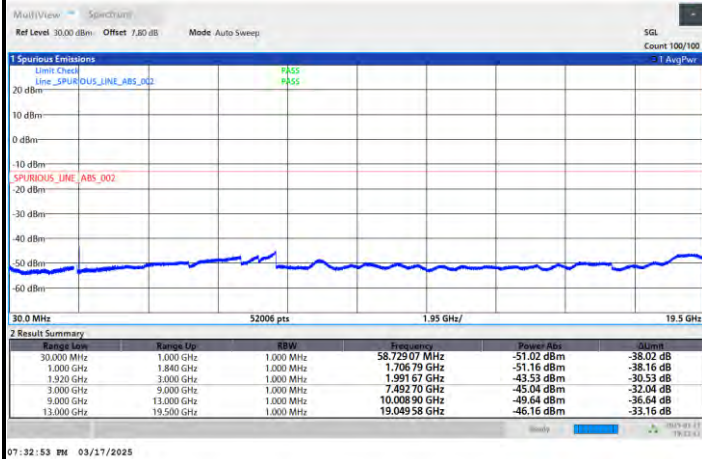
## Lowest Channel



## Middle Channel



## Highest Channel



## Frequency Stability

| Test Conditions     |                   | FR1 n25 (BPSK) / Middle Channel | Limit   |
|---------------------|-------------------|---------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 20MHz                        | Note 2. |
|                     |                   | Deviation (ppm)                 | Result  |
| 50                  | Normal Voltage    | 0.0025                          | PASS    |
| 40                  | Normal Voltage    | 0.0006                          |         |
| 30                  | Normal Voltage    | 0.0041                          |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                          |         |
| 10                  | Normal Voltage    | 0.0056                          |         |
| 0                   | Normal Voltage    | 0.0047                          |         |
| -10                 | Normal Voltage    | 0.0014                          |         |
| -20                 | Normal Voltage    | 0.0028                          |         |
| -30                 | Normal Voltage    | 0.0024                          |         |
| 20                  | Maximum Voltage   | 0.0044                          |         |
| 20                  | Normal Voltage    | 0.0000                          |         |
| 20                  | Minimum Voltage   | 0.0037                          |         |

**Note:**

1. Normal Voltage = 3.85 V. ; Minimum Voltage = 3.30 V. ; Maximum Voltage = 4.40 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**<MIMO Mode>****MIMO <Ant. 0+3> (Ant. 0)****Peak-to-Average Ratio**

| Mode      | FR1 n25 / 20MHz / CP OFDM |         |         |         |             |
|-----------|---------------------------|---------|---------|---------|-------------|
| Mod.      | QPSK                      | 16QAM   | 64QAM   | 256QAM  | Limit: 13dB |
| RB Size   | Full RB                   | Full RB | Full RB | Full RB | Result      |
| Middle CH | 6.60                      | 6.64    | 7.52    | 8.64    | <b>PASS</b> |



FR1 n25 / 20MHz /CP OFDM / Middle Channel / Full RB

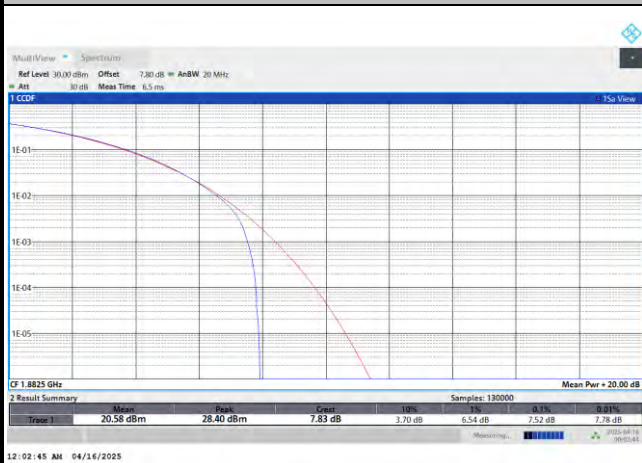
QPSK



16QAM



64QAM

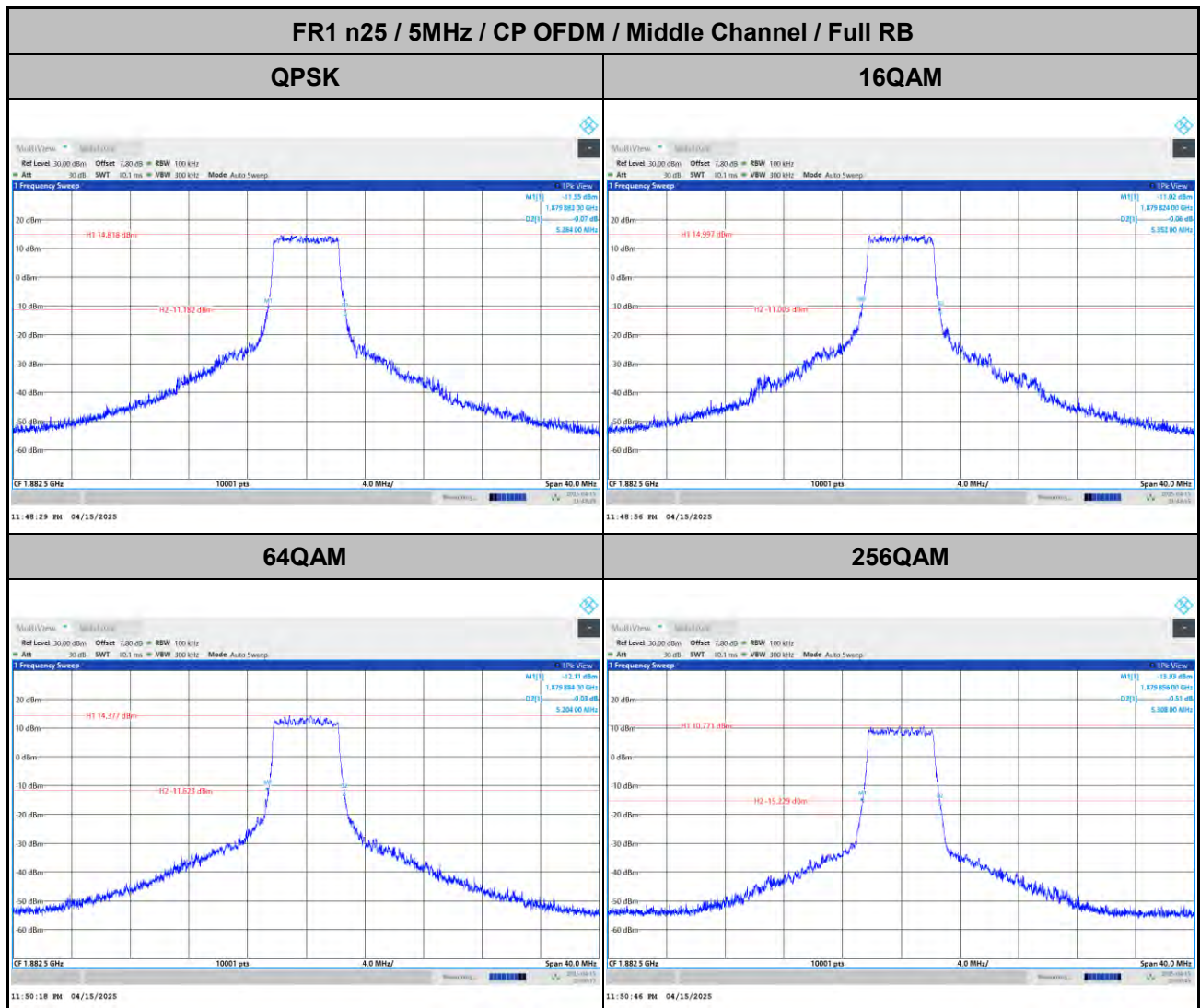


256QAM



**26dB Bandwidth**

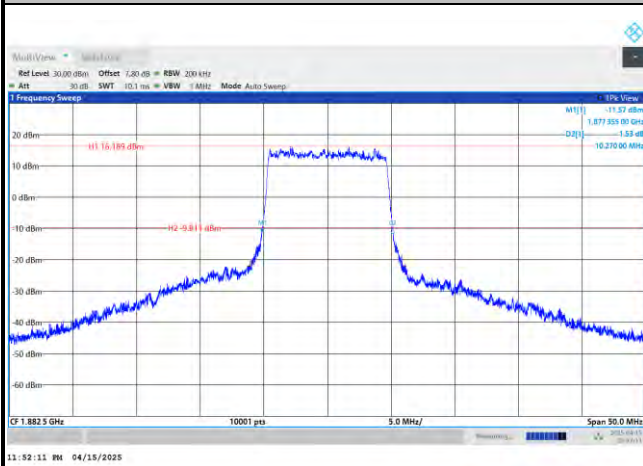
| Mode      | FR1 n25 : 26dB BW(MHz) / CP OFDM |        |       |        |       |        |       |        |
|-----------|----------------------------------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 5MHz                             |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                             | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | 5.26                             | 5.35   | 10.27 | 10.16  | 15.33 | 15.31  | 21.13 | 20.42  |
| Mod.      | 64QAM                            | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 5.20                             | 5.30   | 10.08 | 10.32  | 15.22 | 15.23  | 20.46 | 20.47  |
| BW        | 25MHz                            |        | 30MHz |        | 35MHz |        | 40MHz |        |
| Mod.      | QPSK                             | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | 25.33                            | 25.34  | 32.07 | 31.22  | 36.72 | 36.38  | 41.36 | 41.34  |
| Mod.      | 64QAM                            | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 25.18                            | 25.25  | 31.36 | 31.10  | 37.99 | 36.00  | 41.06 | 41.14  |



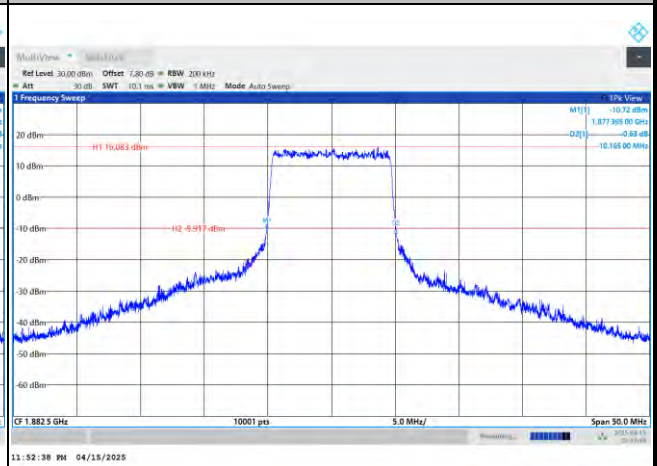


FR1 n25 / 10MHz / CP OFDM / Middle Channel / Full RB

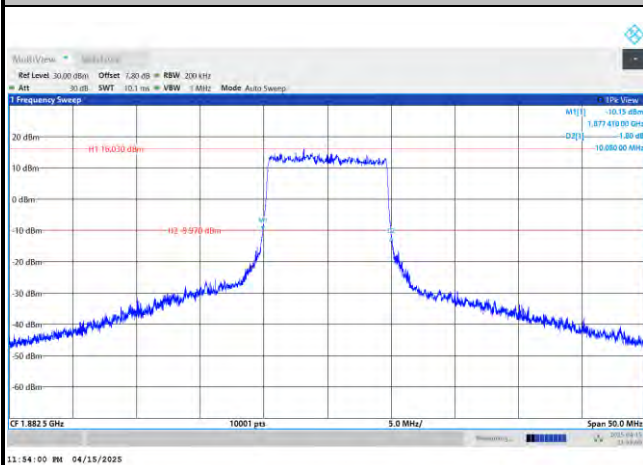
QPSK



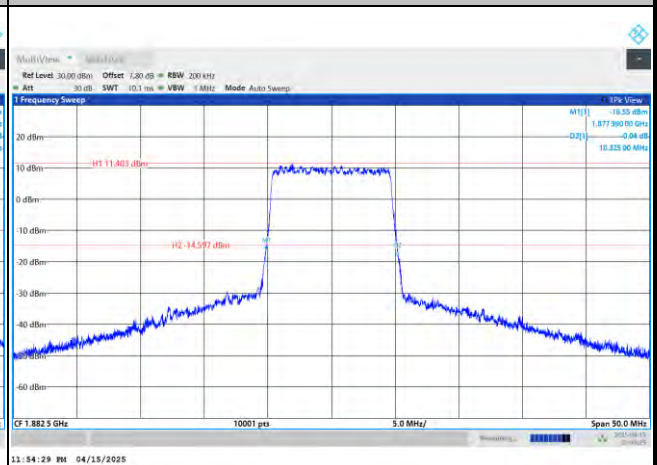
16QAM

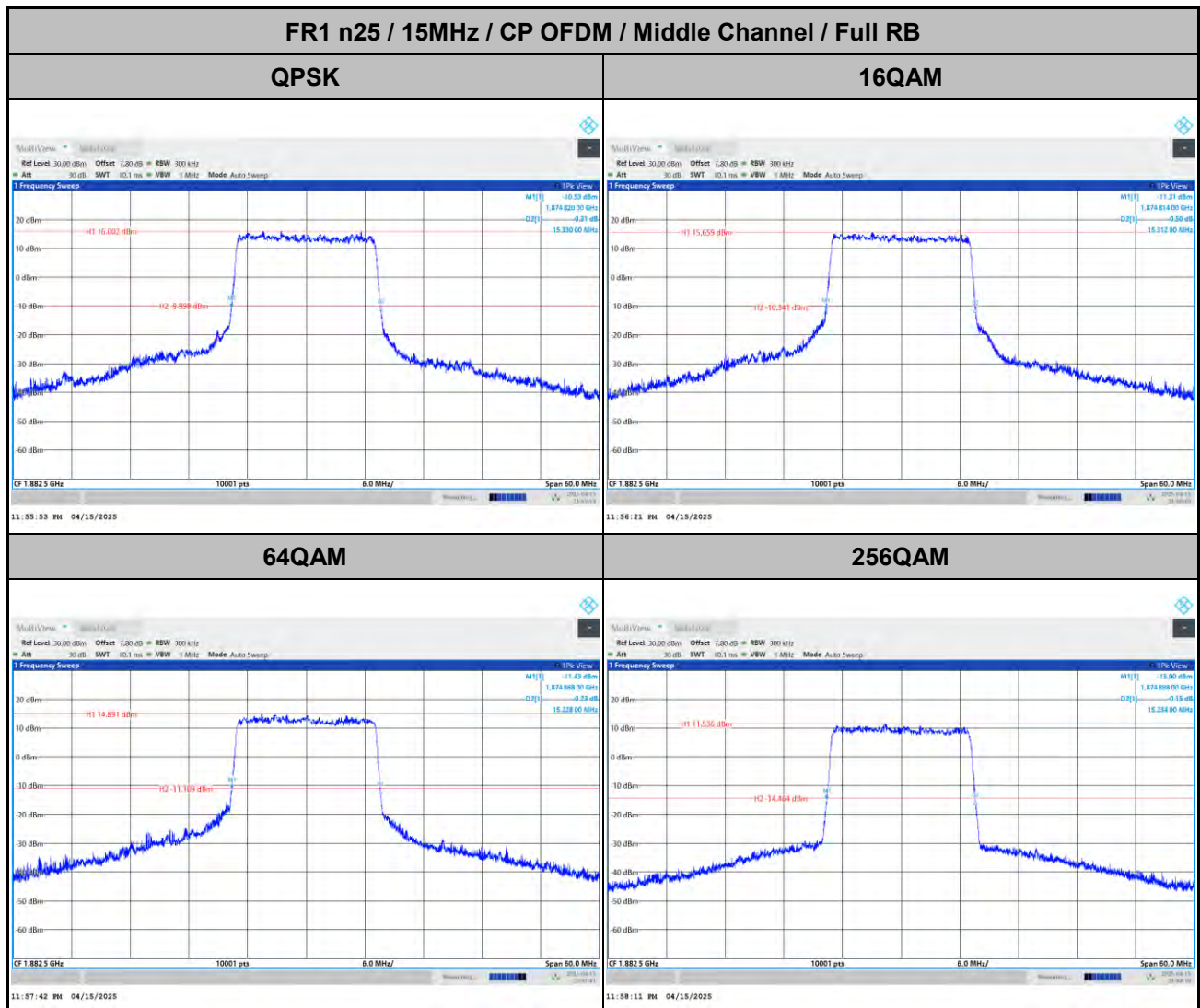


64QAM



256QAM

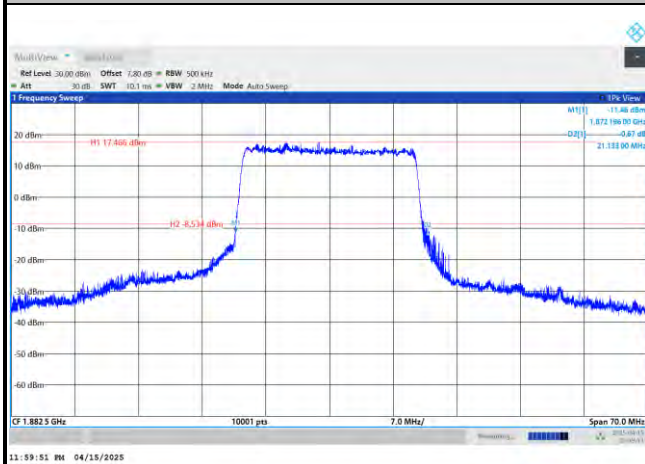






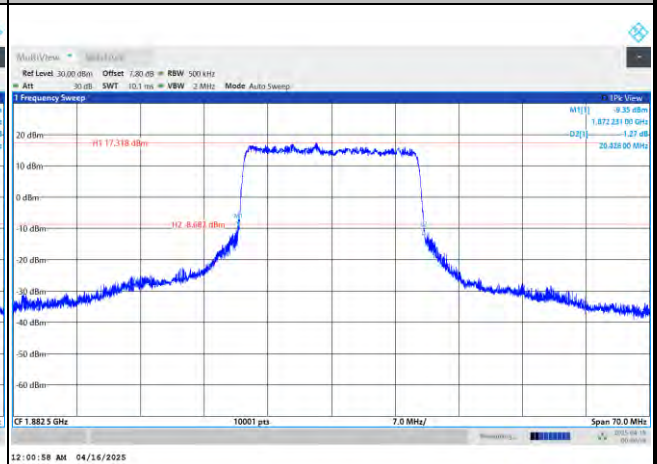
FR1 n25 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



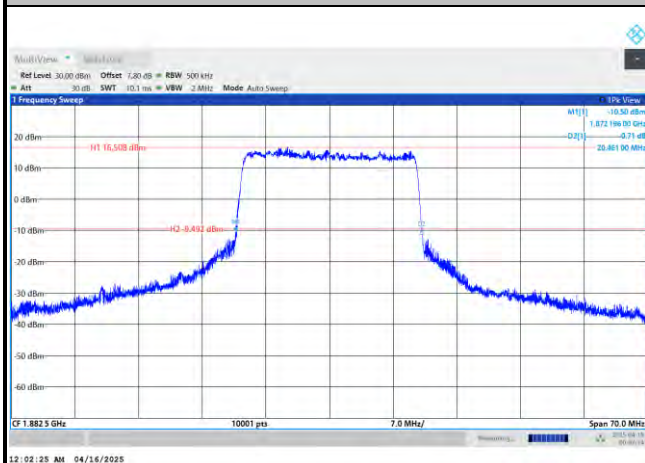
11:59:51 PM 04/15/2025

16QAM



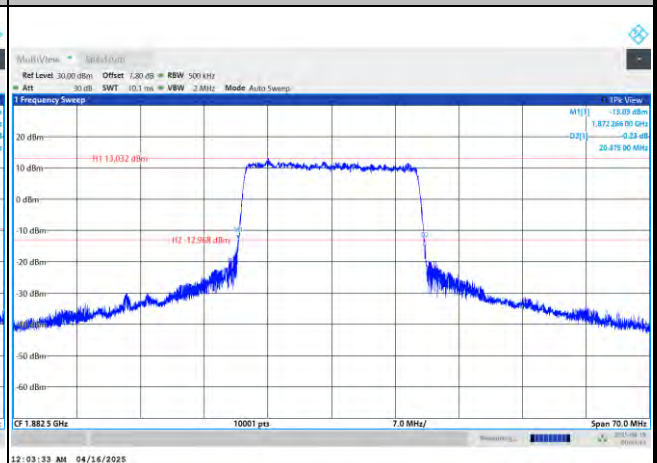
12:00:58 AM 04/16/2025

64QAM



12:02:25 AM 04/16/2025

256QAM

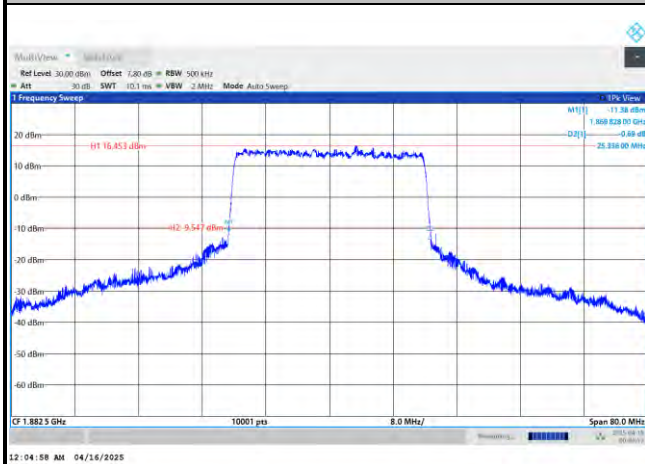


12:03:33 AM 04/16/2025

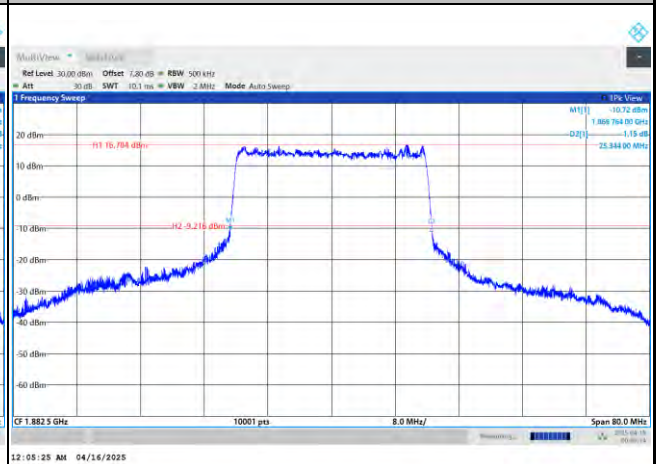


FR1 n25 / 25MHz / CP OFDM / Middle Channel / Full RB

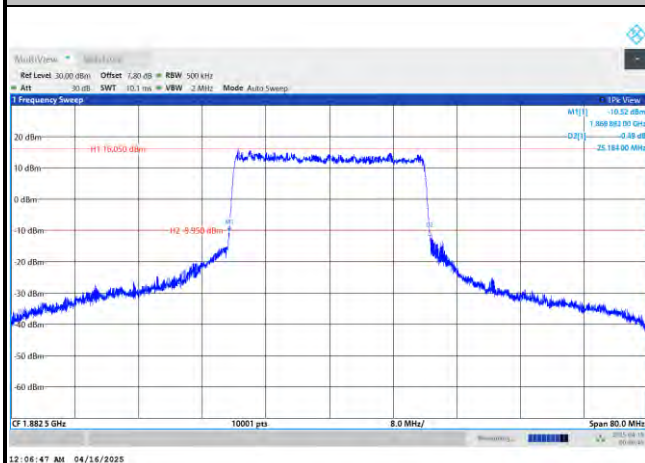
QPSK



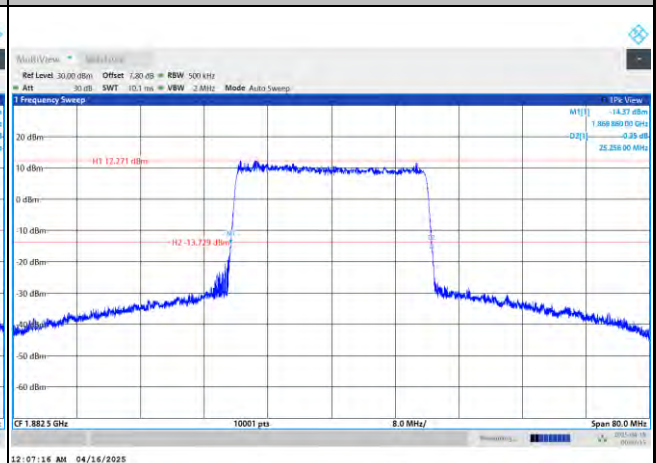
16QAM



64QAM



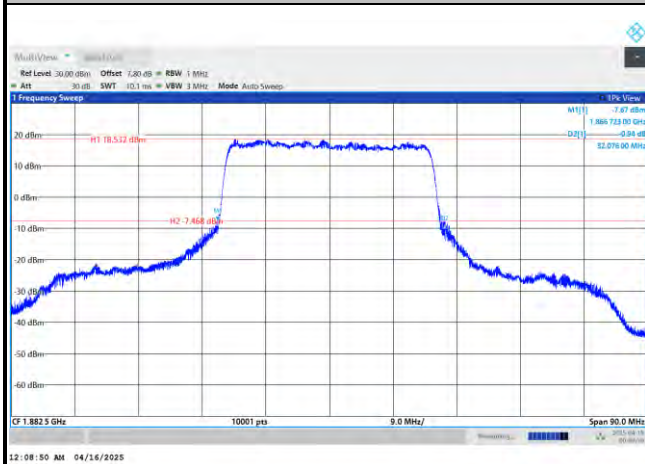
256QAM



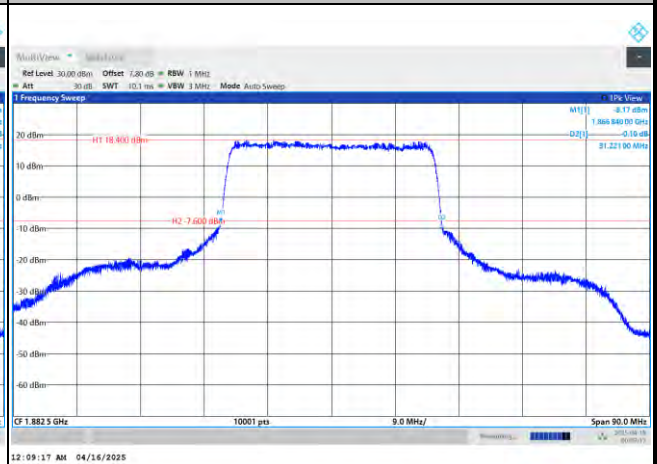


FR1 n25 / 30MHz / CP OFDM / Middle Channel / Full RB

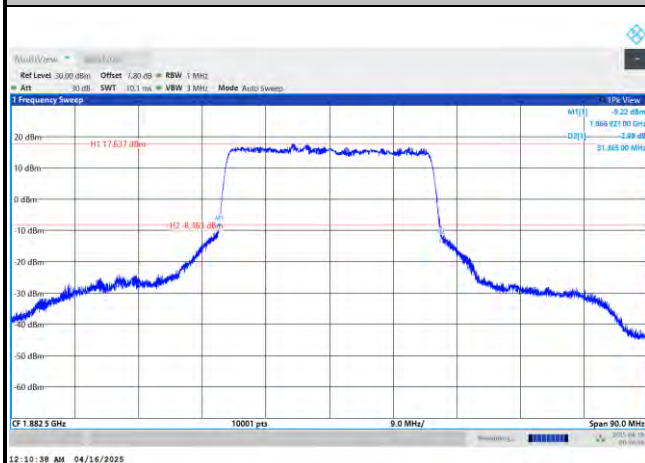
QPSK



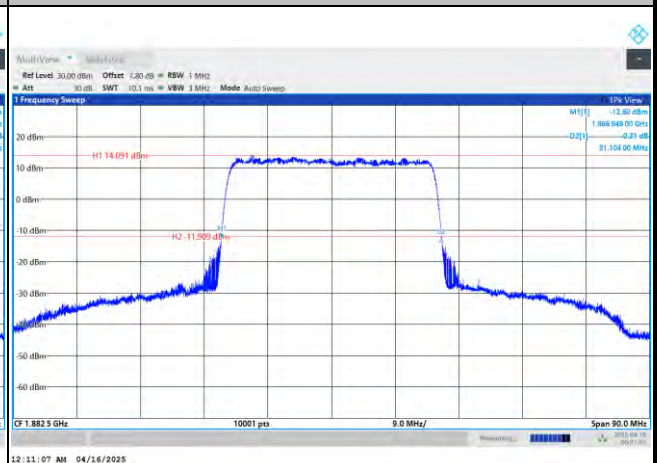
16QAM

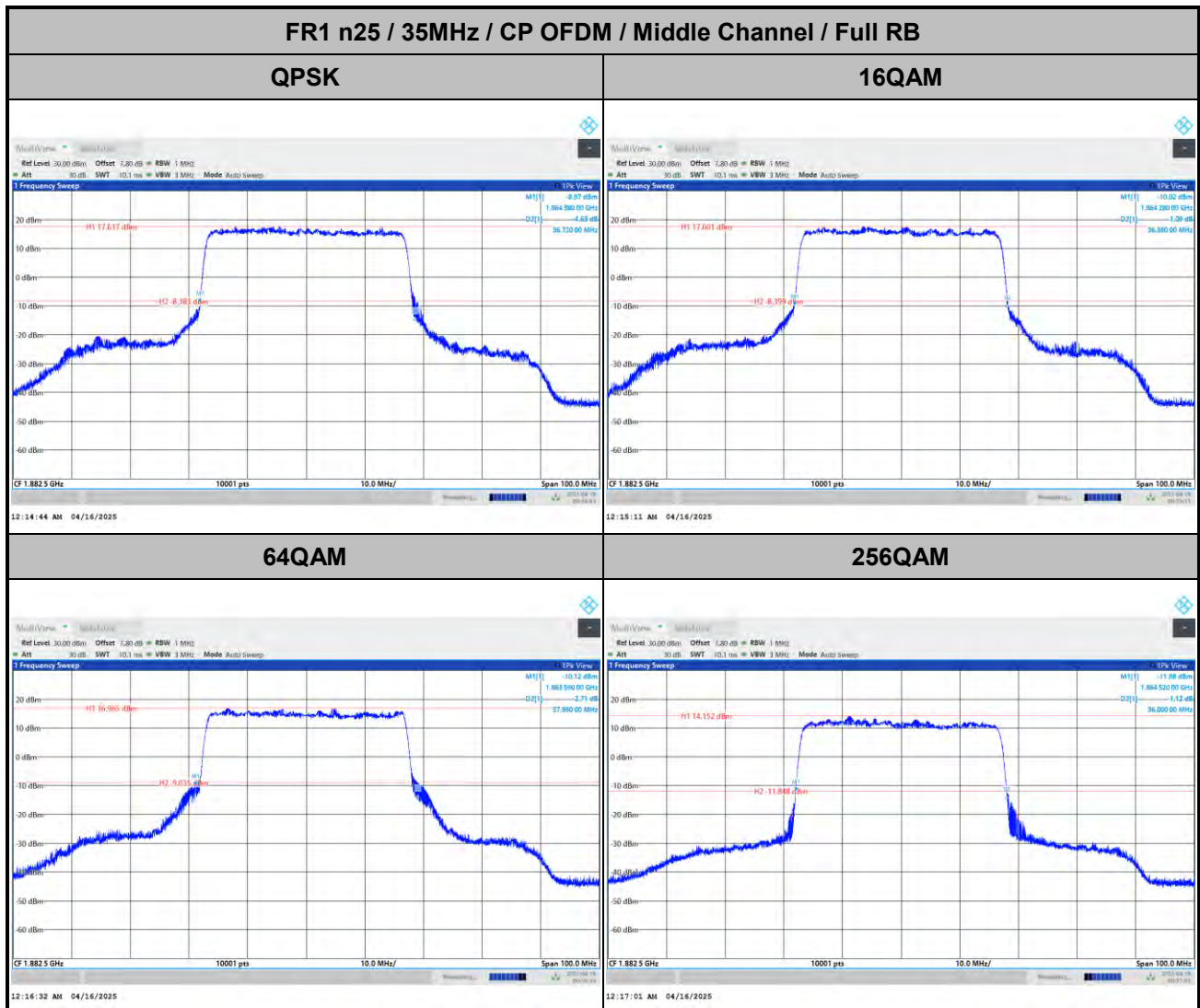


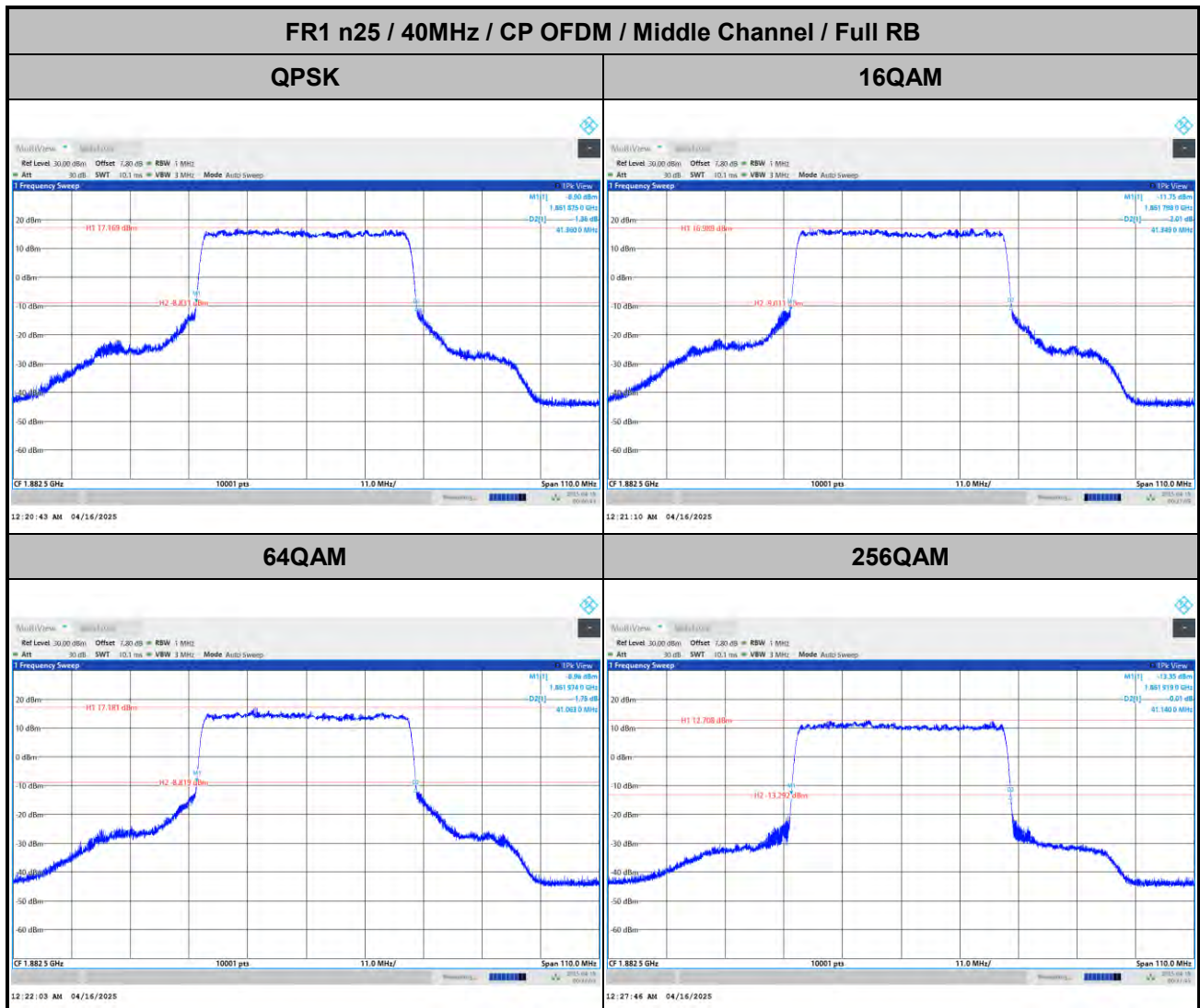
64QAM



256QAM







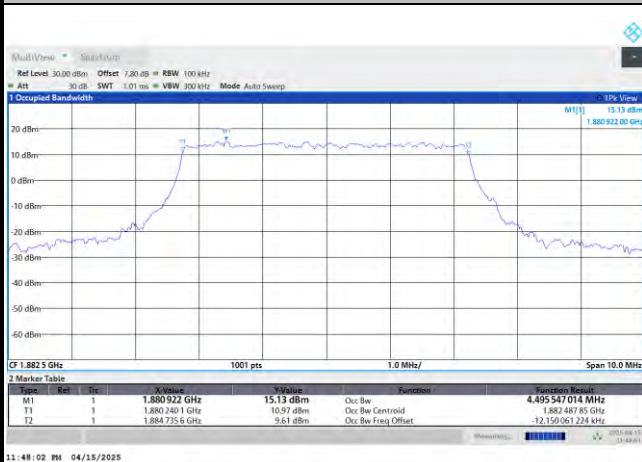
**Occupied Bandwidth**

| Mode      | FR1 n25 : OB BW(MHz) / CP OFDM |        |       |        |       |        |       |        |
|-----------|--------------------------------|--------|-------|--------|-------|--------|-------|--------|
| BW        | 5MHz                           |        | 10MHz |        | 15MHz |        | 20MHz |        |
| Mod.      | QPSK                           | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | 4.49                           | 4.52   | 9.32  | 9.32   | 14.16 | 14.15  | 19.02 | 19.08  |
| Mod.      | 64QAM                          | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 4.50                           | 4.51   | 9.32  | 9.32   | 14.18 | 14.19  | 19.05 | 19.03  |
| BW        | 25MHz                          |        | 30MHz |        | 35MHz |        | 40MH  |        |
| Mod.      | QPSK                           | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  | QPSK  | 16QAM  |
| Middle CH | 23.77                          | 23.80  | 28.88 | 28.90  | 33.84 | 33.90  | 38.73 | 38.74  |
| Mod.      | 64QAM                          | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM | 64QAM | 256QAM |
| Middle CH | 23.86                          | 23.79  | 28.94 | 28.95  | 33.85 | 33.71  | 38.72 | 38.83  |

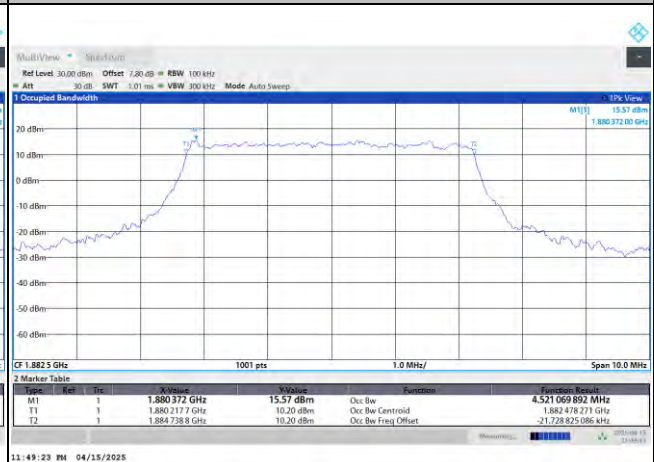


## FR1 n25 / 5MHz / CP OFDM / Middle Channel / Full RB

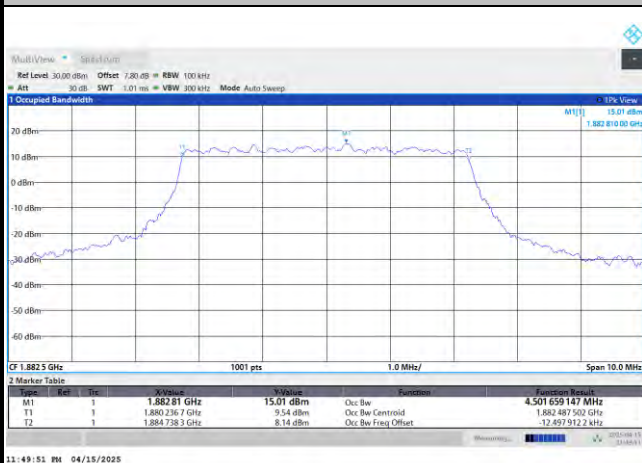
## QPSK



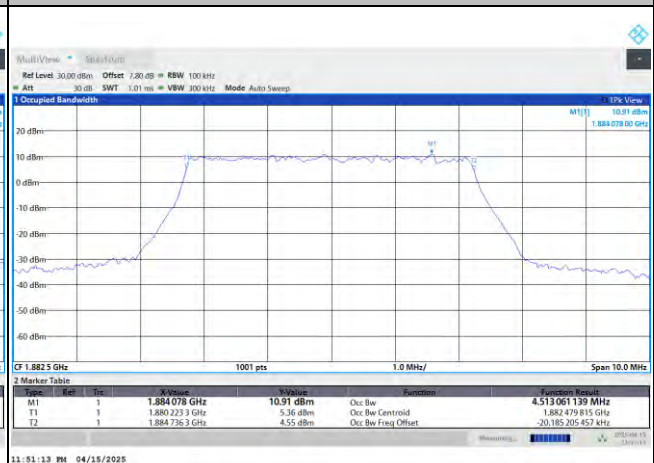
## 16QAM



## 64QAM



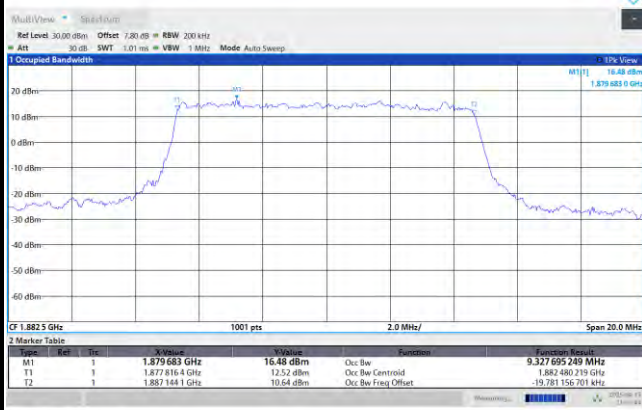
## 256QAM





## FR1 n25 / 10MHz / CP OFDM / Middle Channel / Full RB

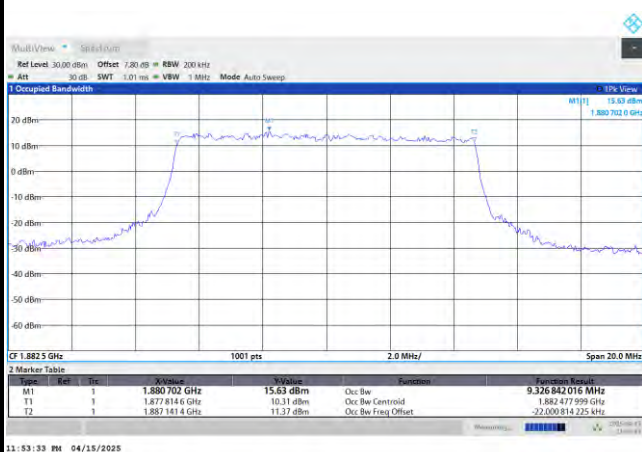
## QPSK



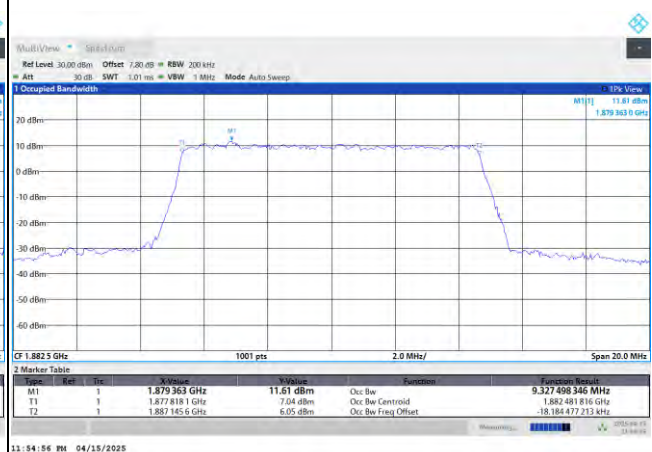
## 16QAM



## 64QAM



## 256QAM





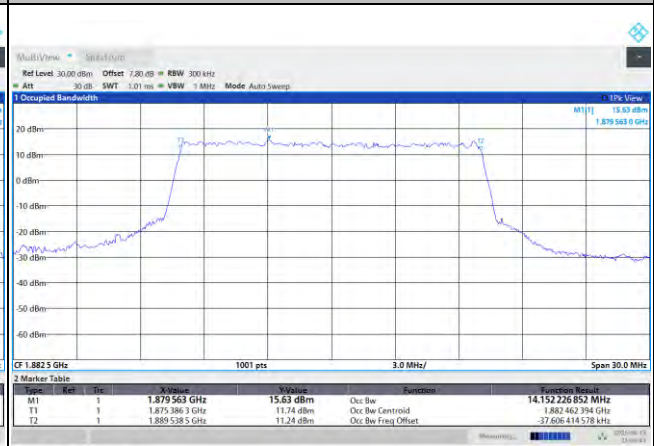
## FR1 n25 / 15MHz / CP OFDM / Middle Channel / Full RB

## QPSK



11:55:27 PM 04/15/2025

## 16QAM



11:56:48 PM 04/15/2025

## 64QAM



11:57:15 PM 04/15/2025

## 256QAM

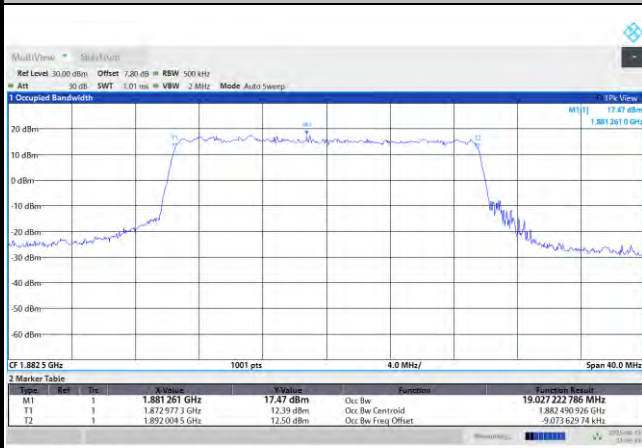


11:58:38 PM 04/15/2025



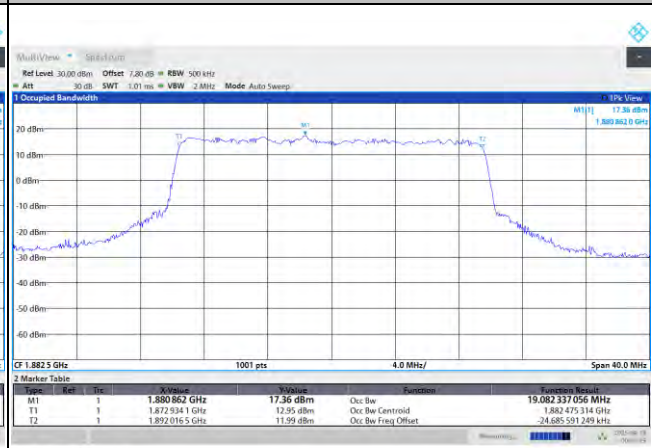
## FR1 n25 / 20MHz / CP OFDM / Middle Channel / Full RB

## QPSK



11:59:25 PM 04/16/2025

## 16QAM



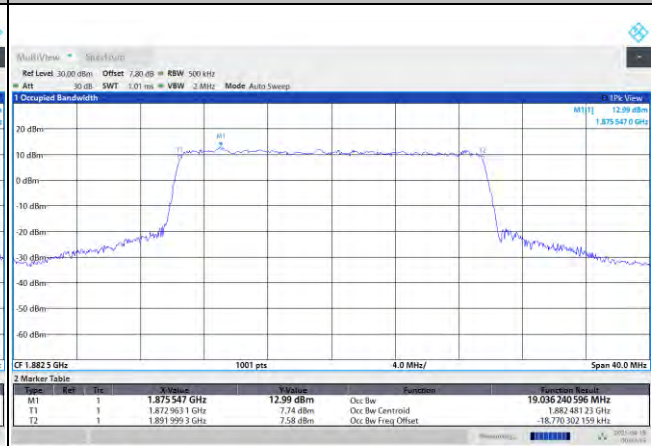
12:01:30 AM 04/16/2025

## 64QAM



12:01:58 AM 04/16/2025

## 256QAM

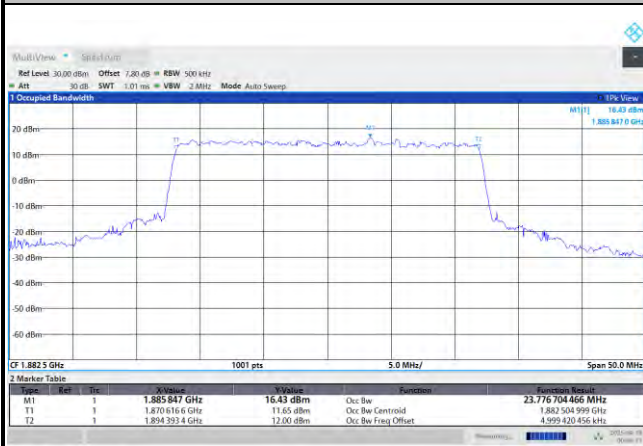


12:04:00 AM 04/16/2025



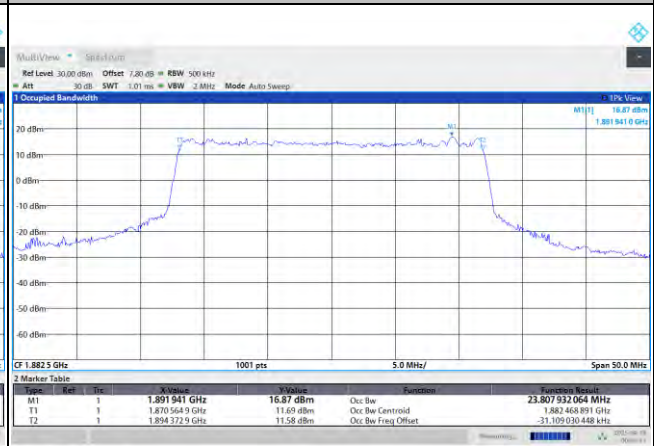
## FR1 n25 / 25MHz / CP OFDM / Middle Channel / Full RB

## QPSK



12:04:31 AM 04/16/2025

## 16QAM



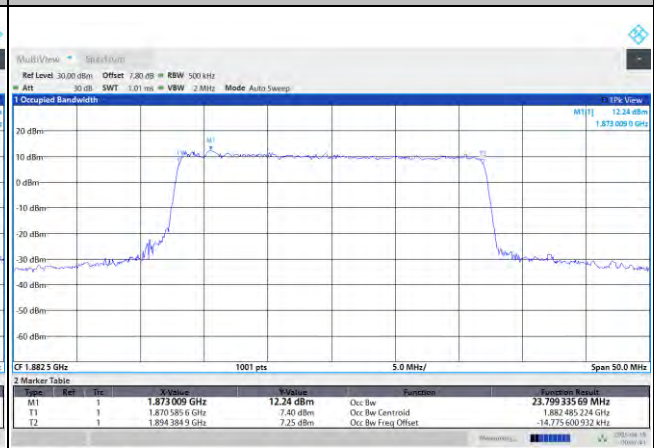
12:05:52 AM 04/16/2025

## 64QAM



12:06:20 AM 04/16/2025

## 256QAM

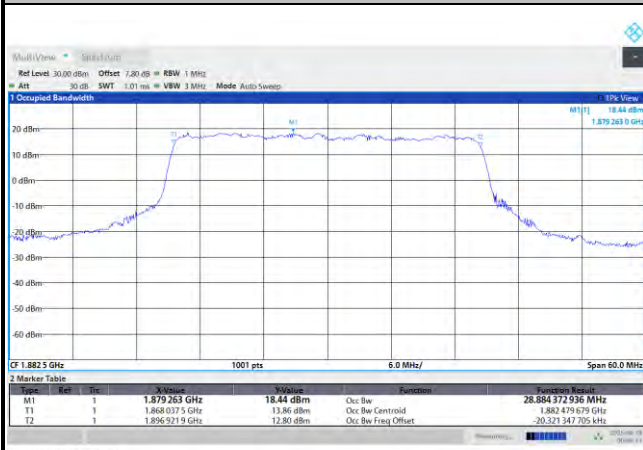


12:07:42 AM 04/16/2025

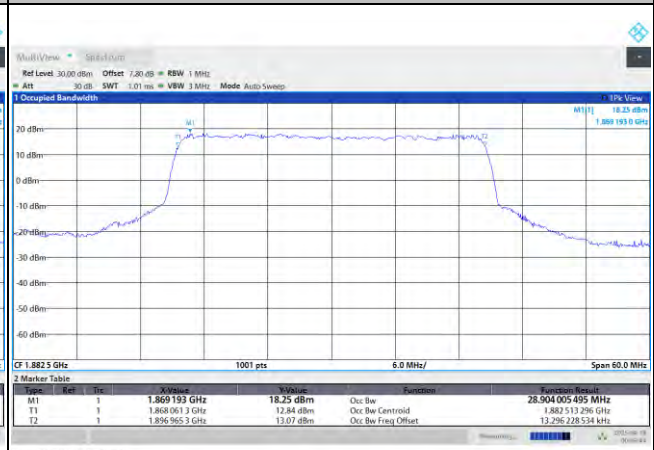


## FR1 n25 / 30MHz / CP OFDM / Middle Channel / Full RB

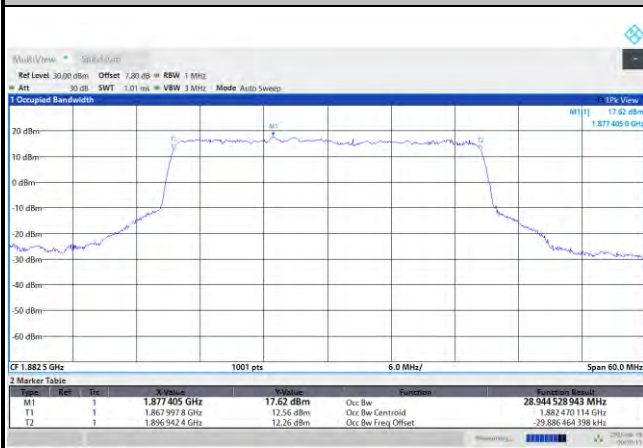
## QPSK



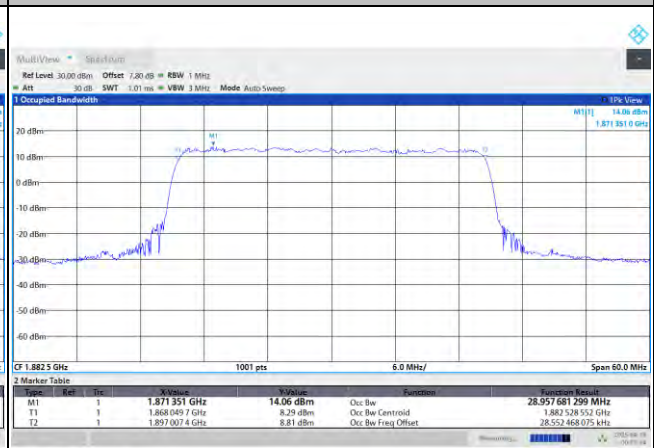
## 16QAM



## 64QAM



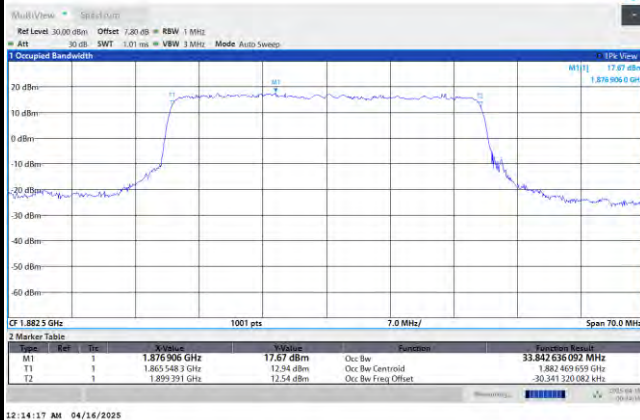
## 256QAM



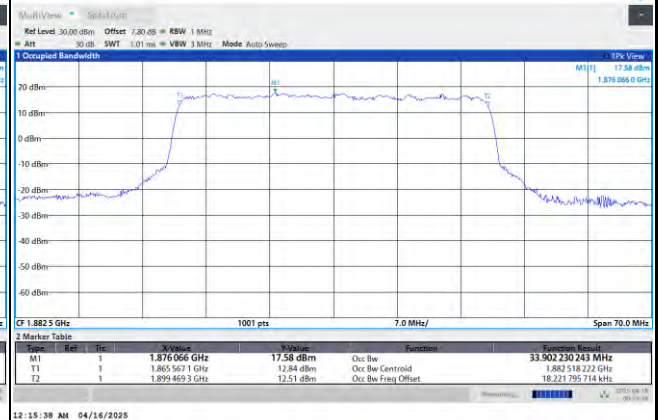


## FR1 n25 / 35MHz / CP OFDM / Middle Channel / Full RB

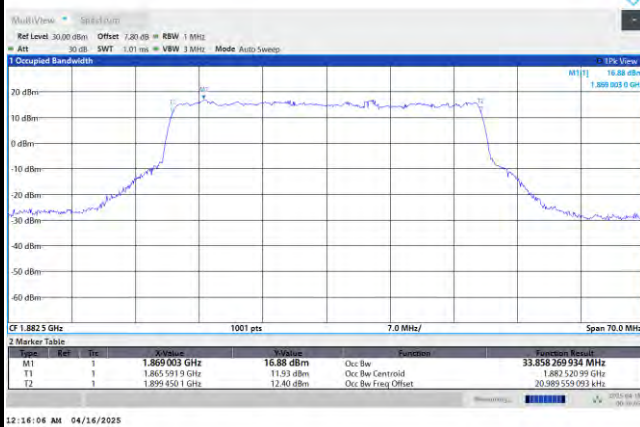
## QPSK



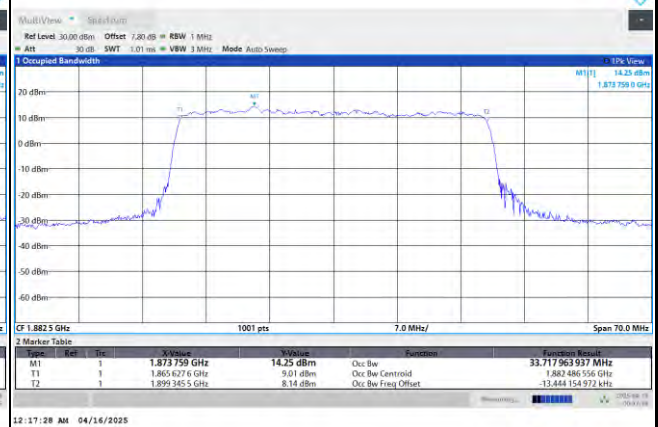
## 16QAM



## 64QAM



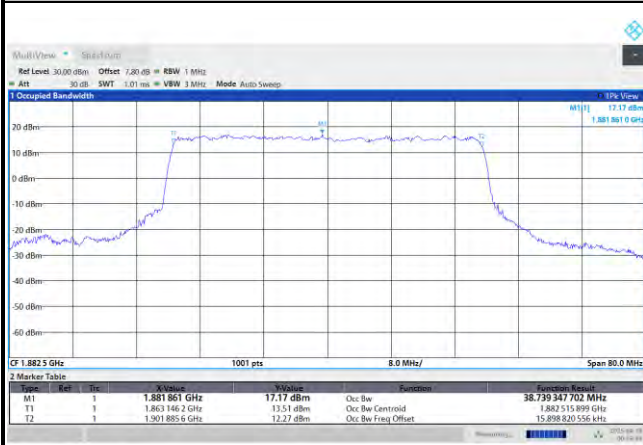
## 256QAM



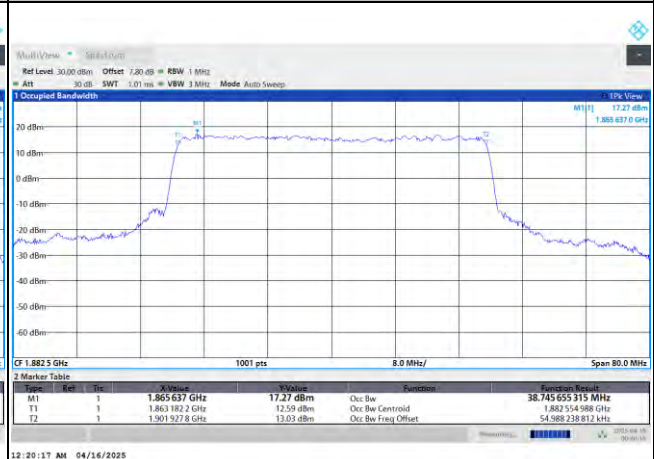


## FR1 n25 / 40MHz / CP OFDM / Middle Channel / Full RB

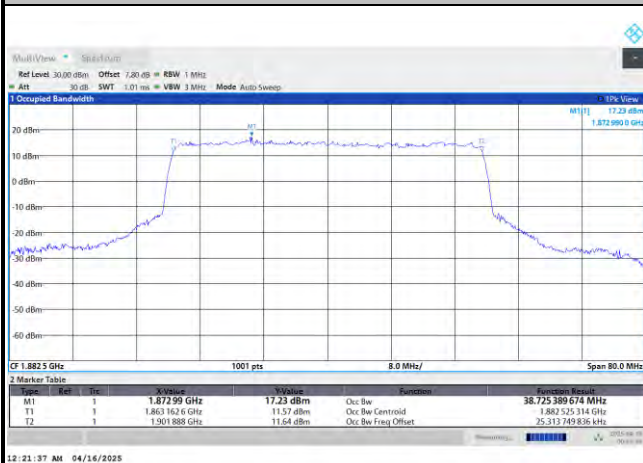
## QPSK



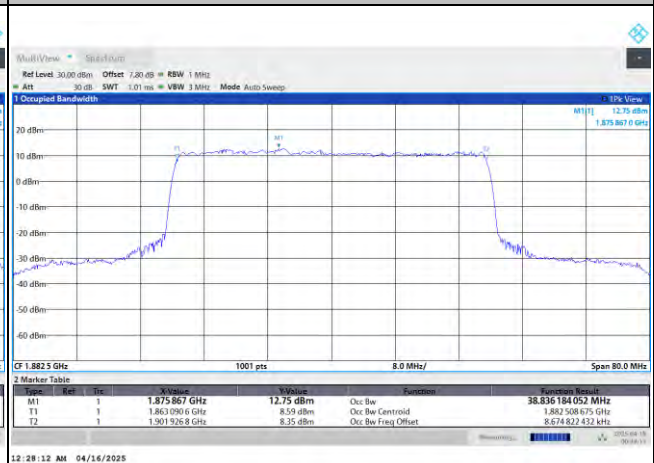
## 16QAM

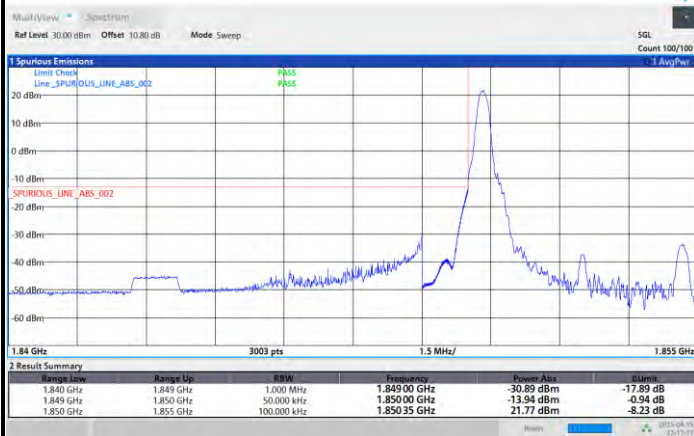


## 64QAM

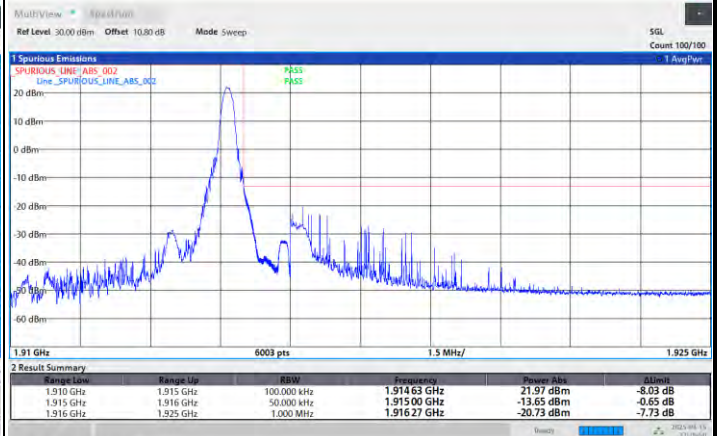


## 256QAM

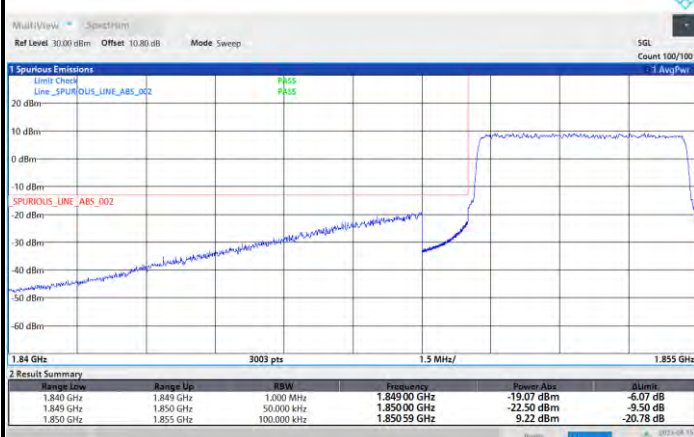


**Conducted Band Edge****FR1 n25 / 5MHz / CP OFDM / QPSK****Lowest Band Edge / 1RB0**

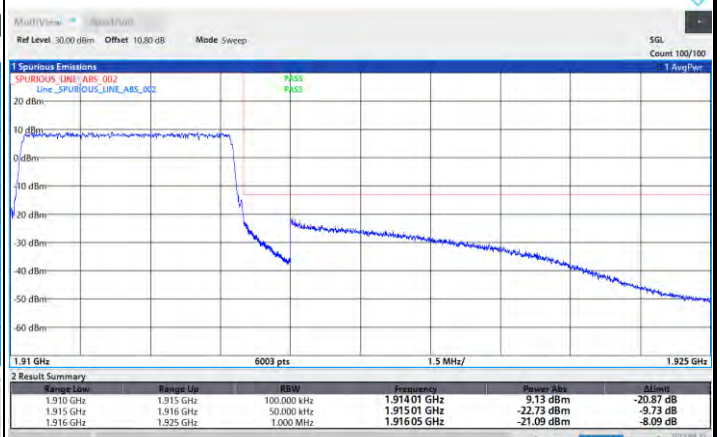
10:17:14 PM 04/15/2025

**Highest Band Edge / 1RBmax**

10:29:51 PM 04/15/2025

**Lowest Band Edge / Full RB**

10:16:25 PM 04/15/2025

**Highest Band Edge / Full RB**

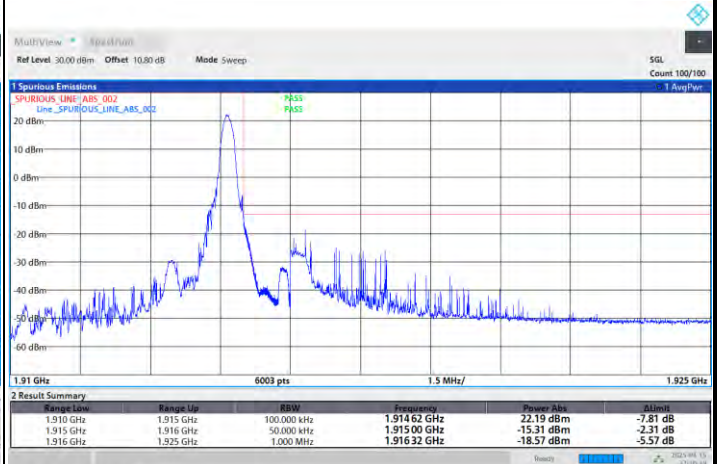
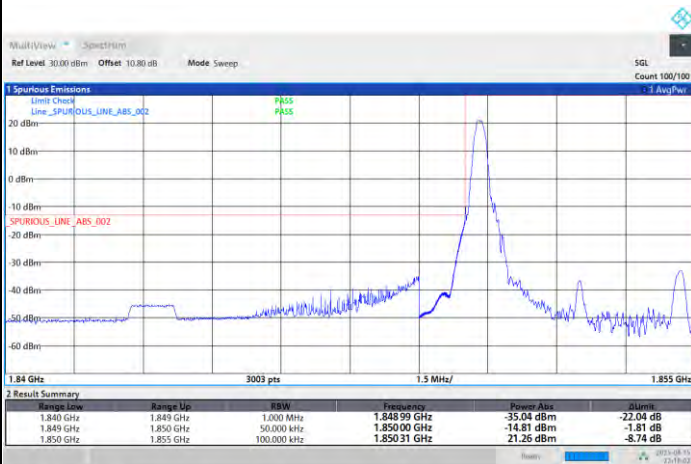
10:29:02 PM 04/15/2025



## FR1 n25 / 5MHz / CP OFDM / 16QAM

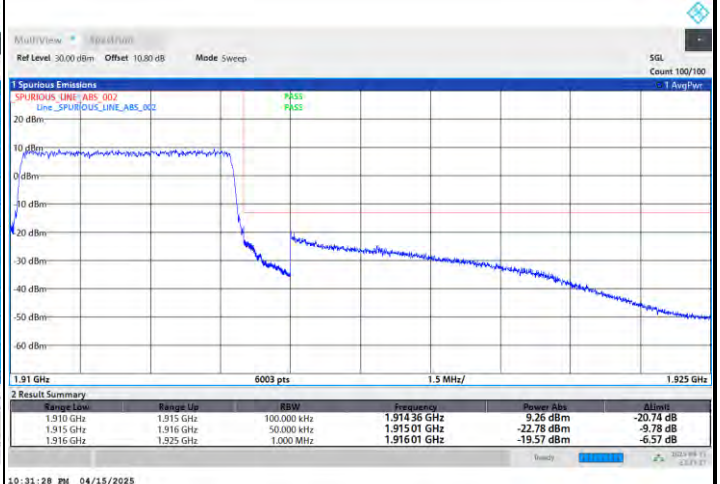
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

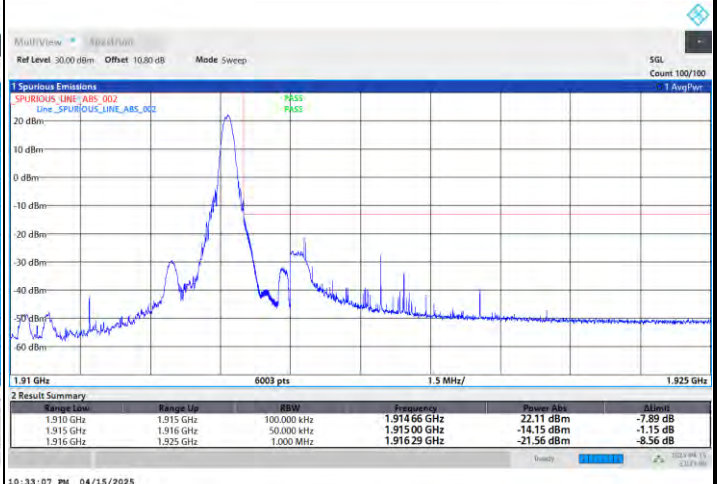
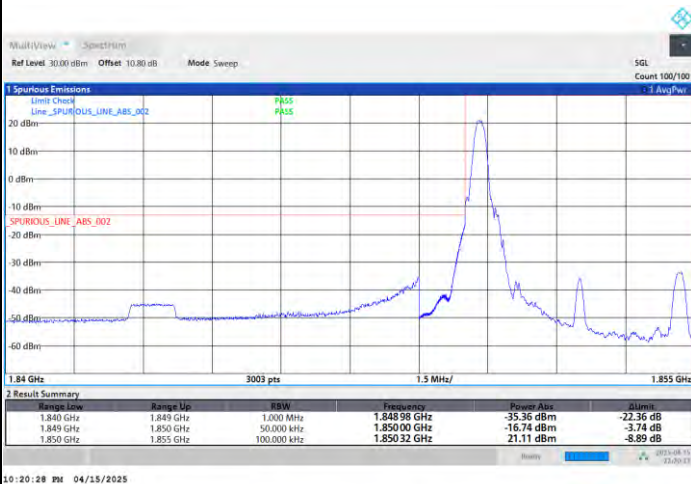




## FR1 n25 / 5MHz / CP OFDM / 64QAM

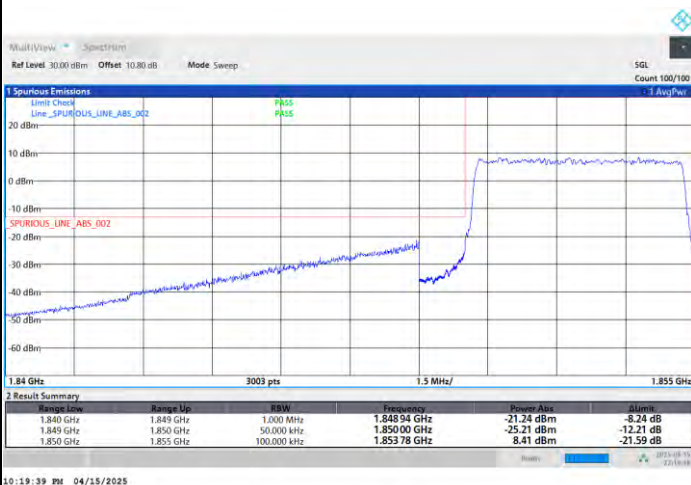
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

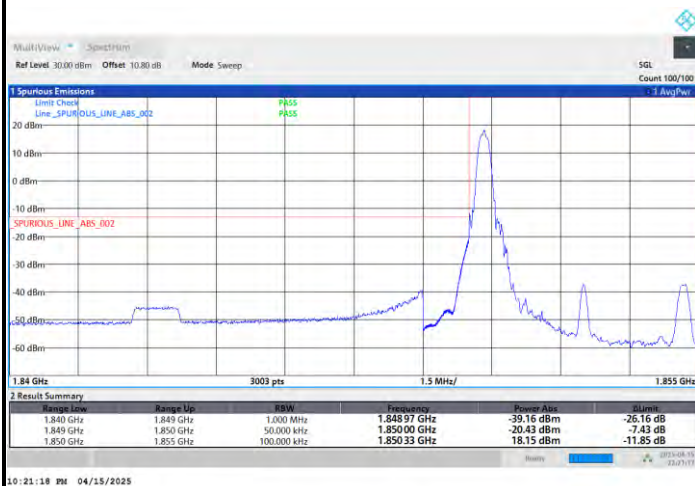
## Highest Band Edge / Full RB



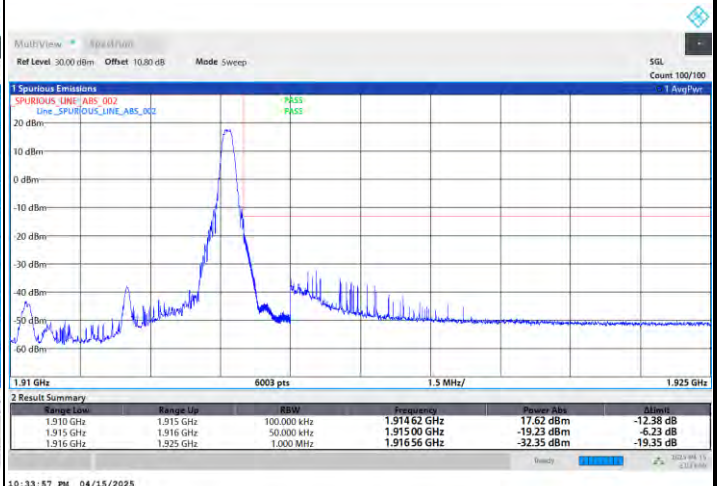


## FR1 n25 / 5MHz / CP OFDM / 256QAM

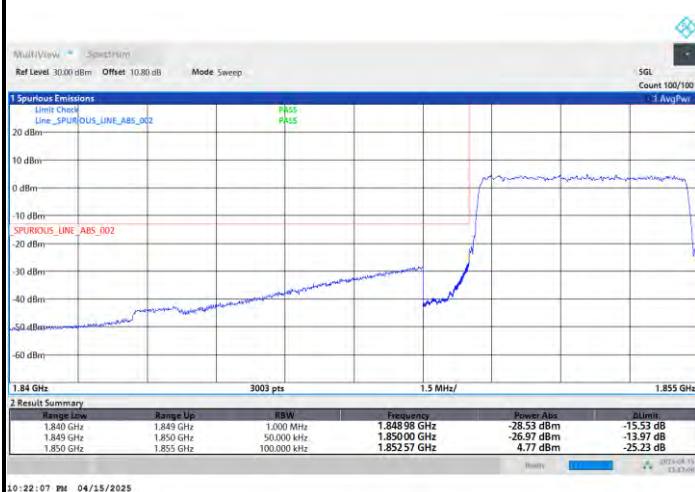
## Lowest Band Edge / 1RB0



## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB



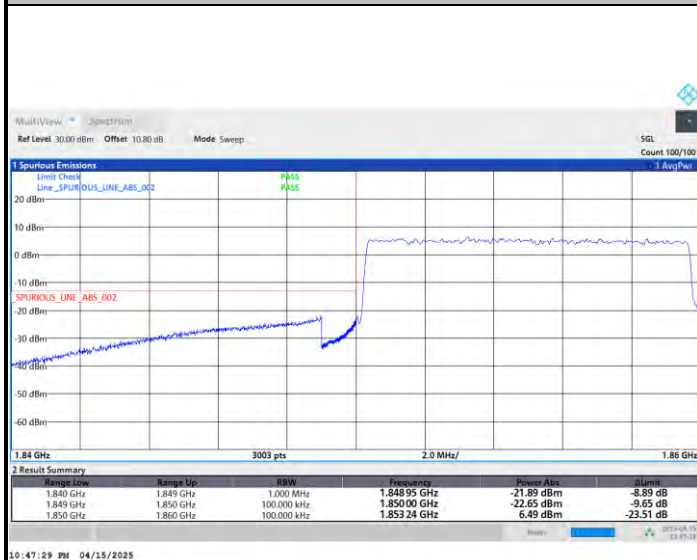
## Highest Band Edge / Full RB



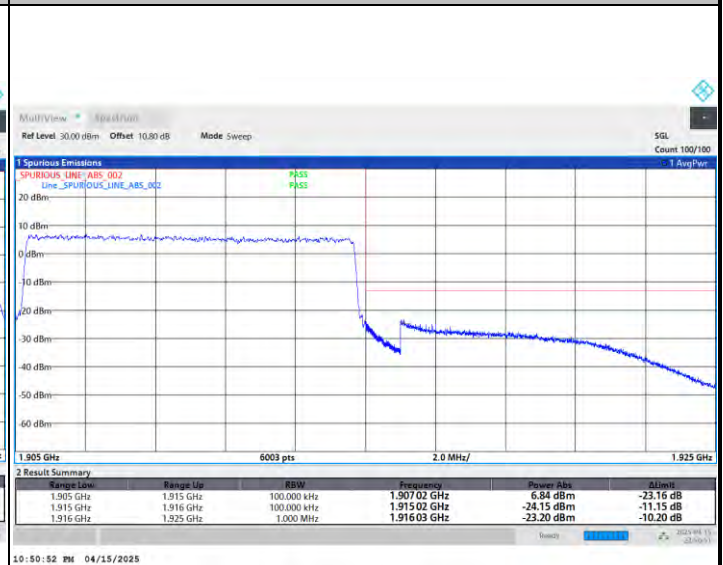


## FR1 n25 / 10MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

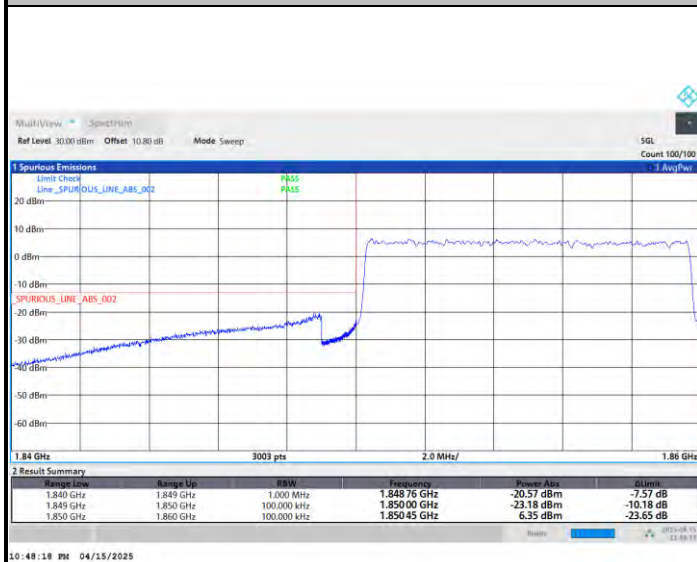


## Highest Band Edge / Full RB



## FR1 n25 / 10MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



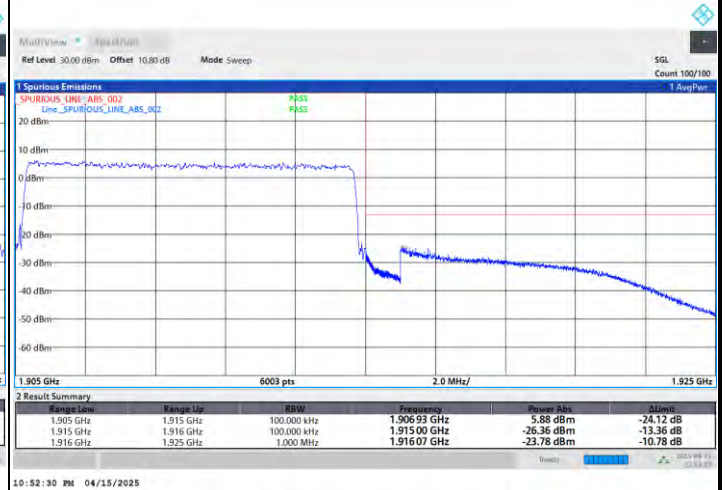


## FR1 n25 / 10MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB

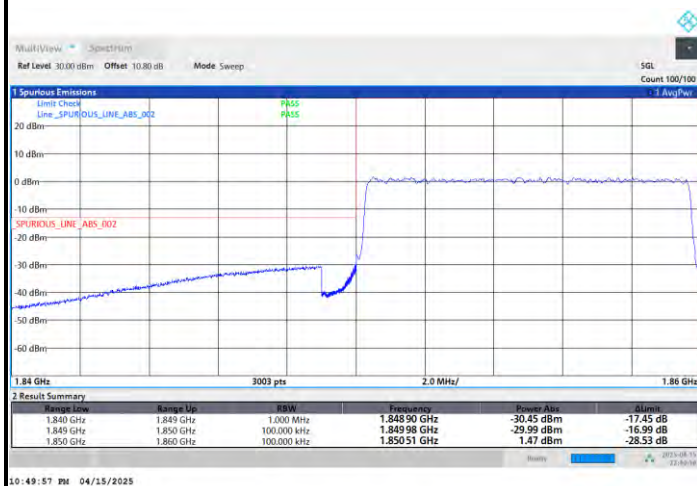


## Highest Band Edge / Full RB

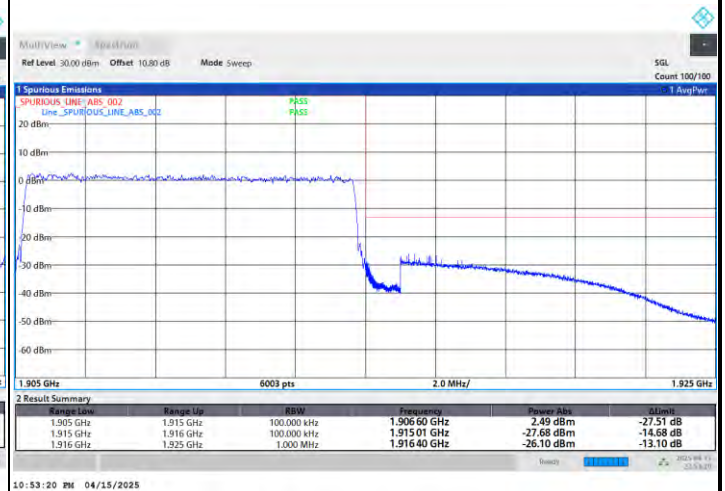


## FR1 n25 / 10MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB



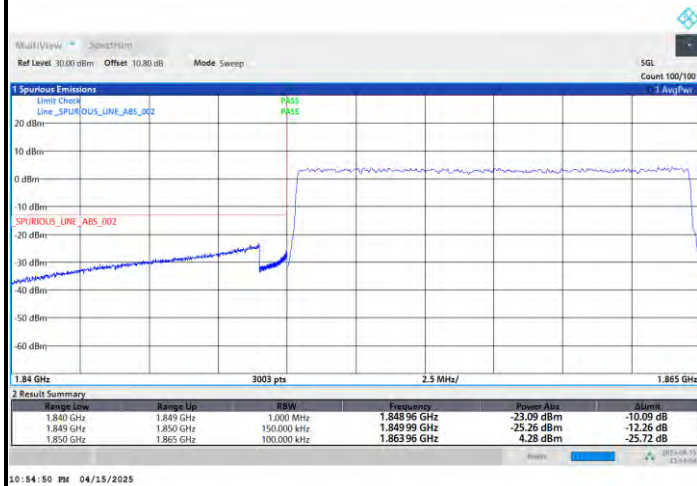
## Highest Band Edge / Full RB





## FR1 n25 / 15MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

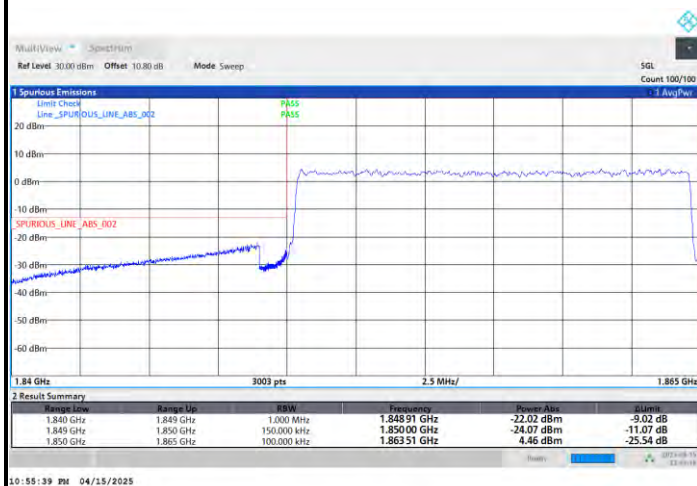


## Highest Band Edge / Full RB



## FR1 n25 / 15MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB



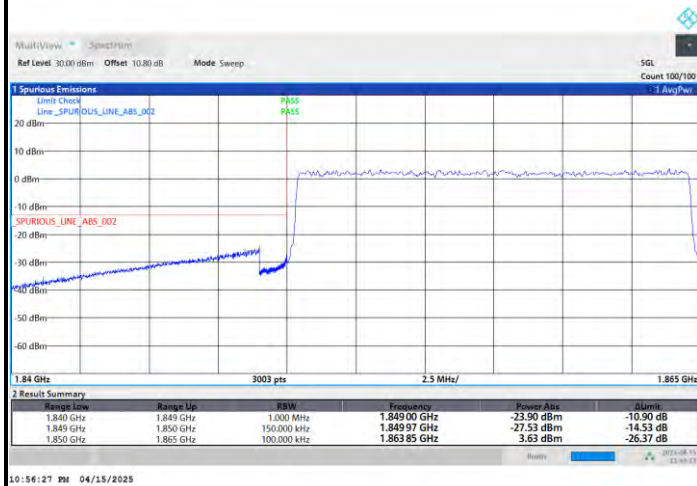
## Highest Band Edge / Full RB





## FR1 n25 / 15MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB

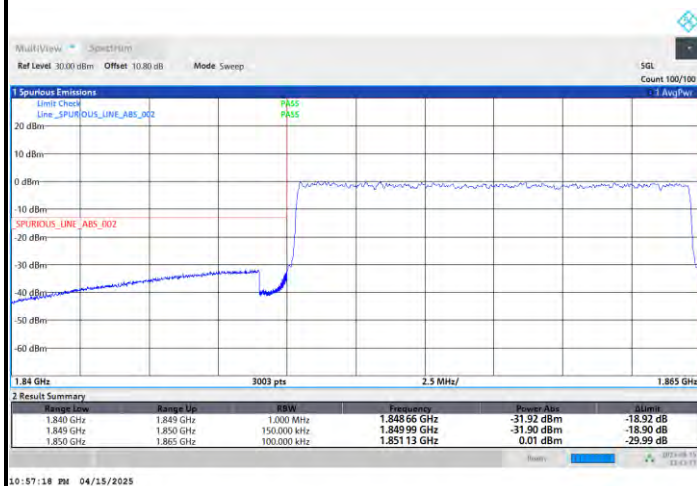


## Highest Band Edge / Full RB



## FR1 n25 / 15MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB





## FR1 n25 / 20MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB

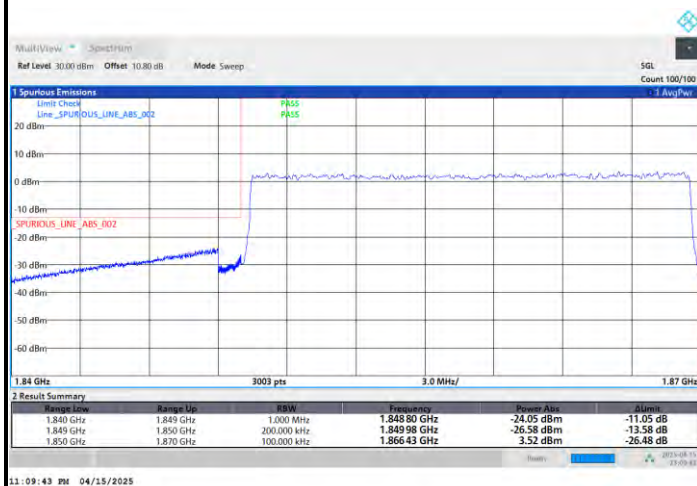


## Highest Band Edge / Full RB



## FR1 n25 / 20MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB



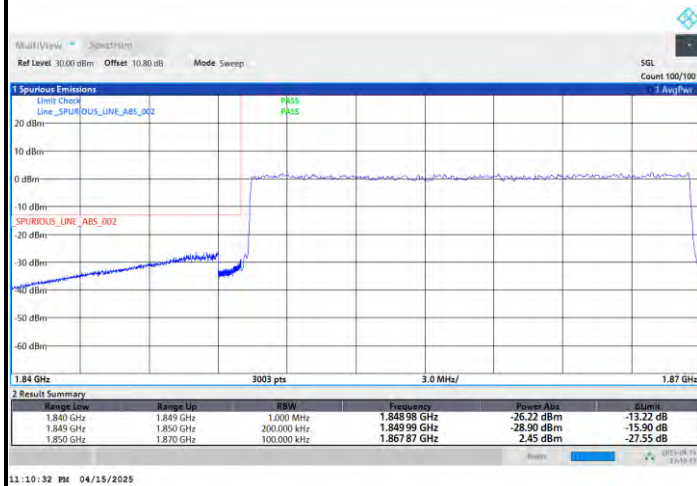
## Highest Band Edge / Full RB





## FR1 n25 / 20MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB

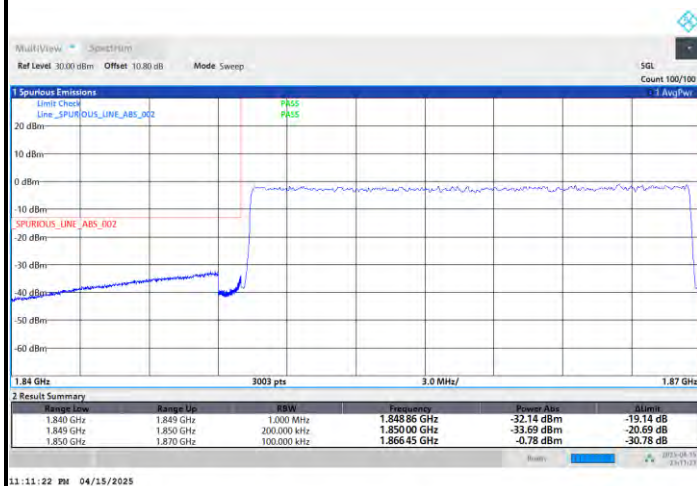


## Highest Band Edge / Full RB



## FR1 n25 / 20MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB





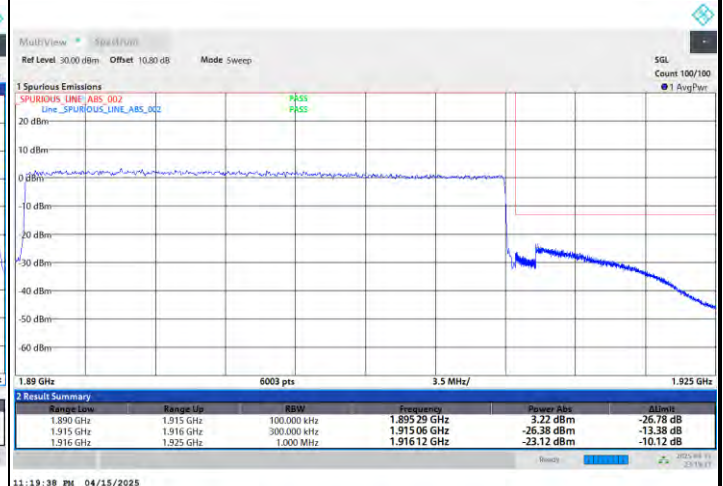
## FR1 n25 / 25MHz / CP OFDM / QPSK

## Lowest Band Edge / Full RB



11:16:15 PM 04/15/2025

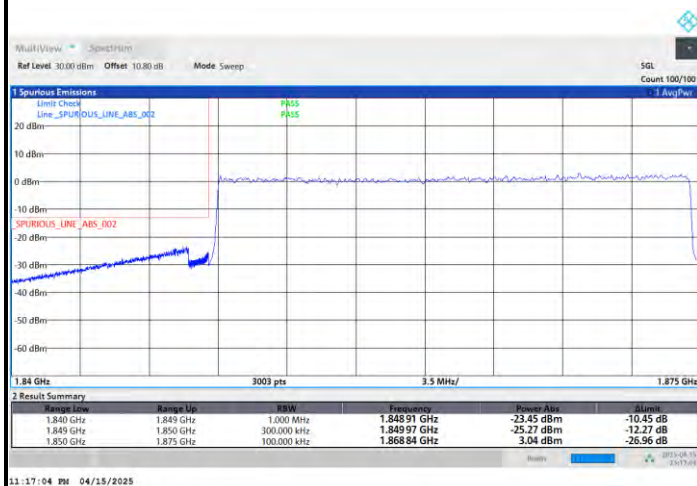
## Highest Band Edge / Full RB



11:19:38 PM 04/15/2025

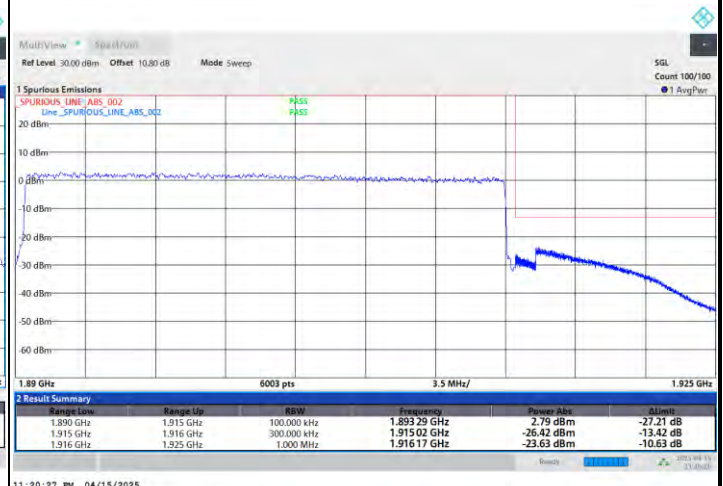
## FR1 n25 / 25MHz / CP OFDM / 16QAM

## Lowest Band Edge / Full RB



11:17:04 PM 04/15/2025

## Highest Band Edge / Full RB



11:20:27 PM 04/15/2025



## FR1 n25 / 25MHz / CP OFDM / 64QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB



## FR1 n25 / 25MHz / CP OFDM / 256QAM

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

