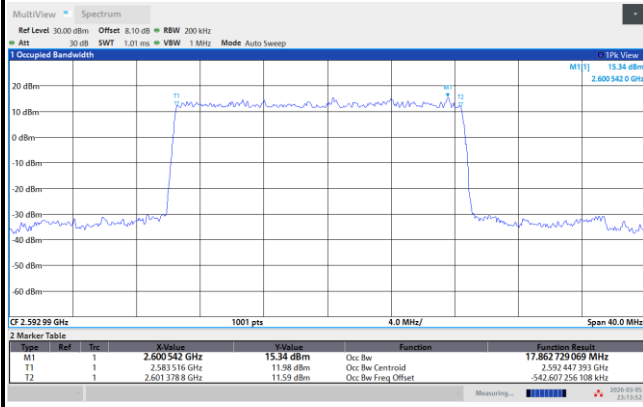




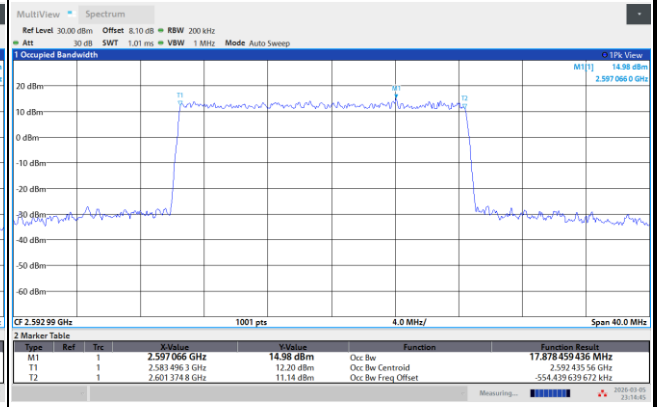
## FR1 n41 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



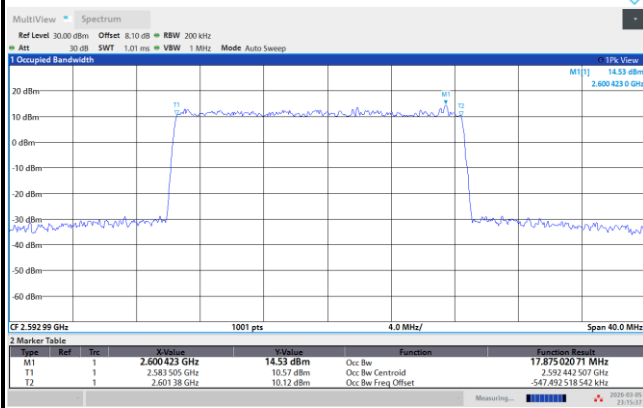
11:13:53 PM 03/05/2026

## QPSK



11:14:45 PM 03/05/2026

## 16QAM



11:15:38 PM 03/05/2026

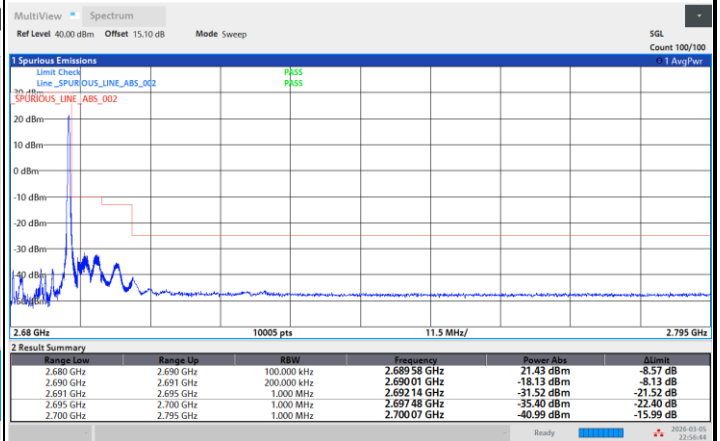
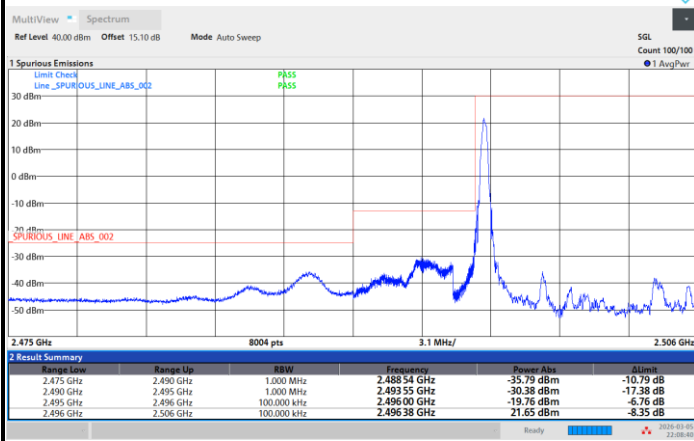


# Conducted Band Edge

FR1 n41 / 10MHz / DFT-S OFDM / PI/2 BPSK

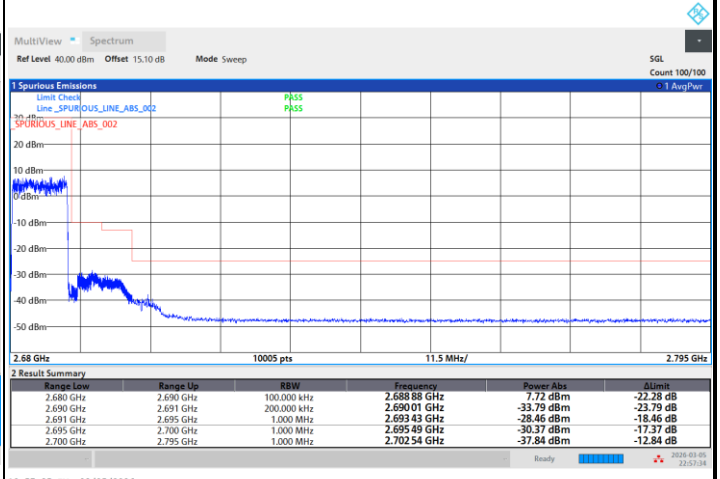
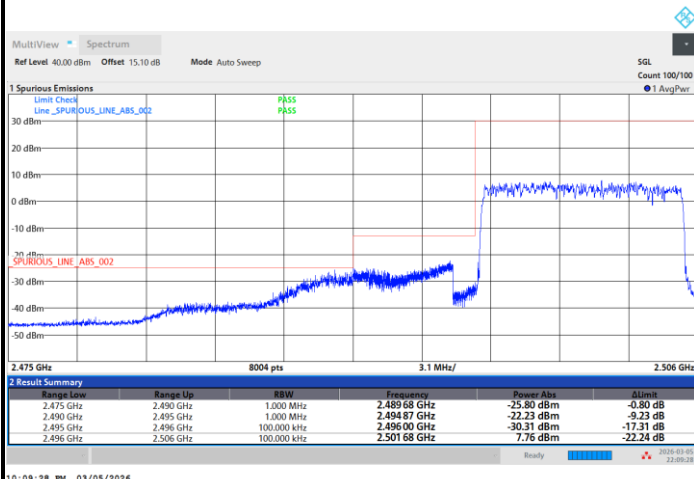
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

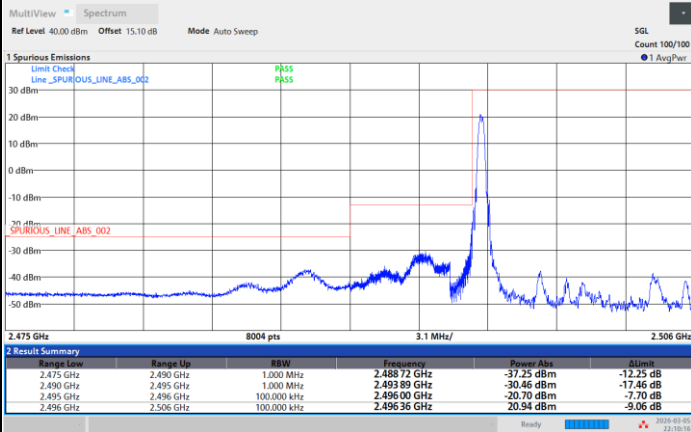




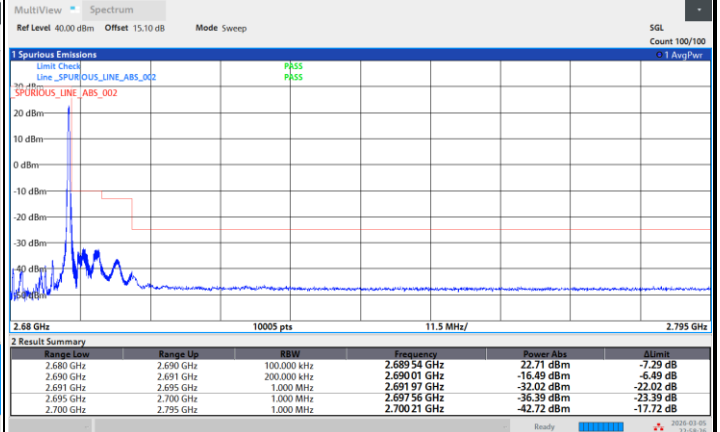
## FR1 n41 / 10MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



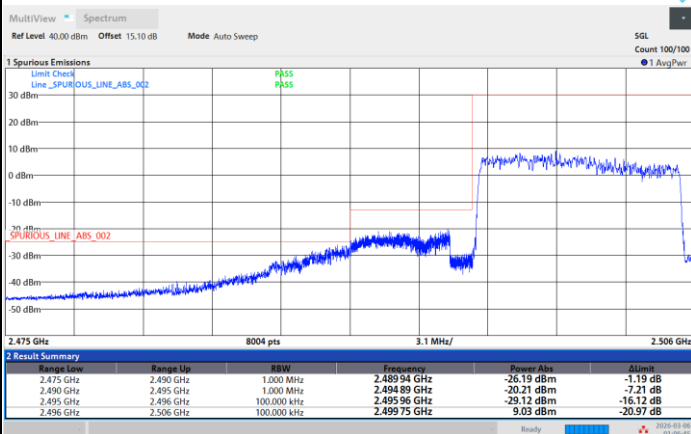
10:10:17 PM 03/05/2026



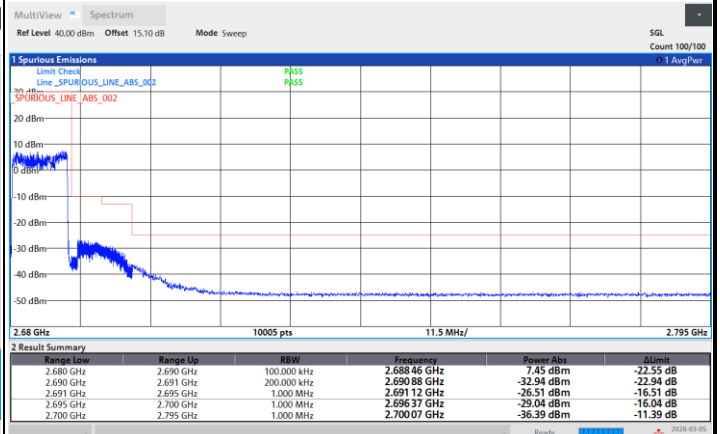
10:58:26 PM 03/05/2026

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



01:06:46 AM 03/06/2026

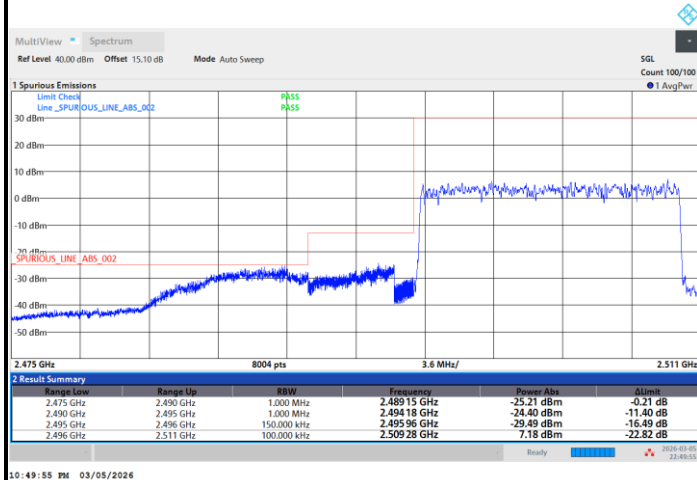


10:59:16 PM 03/05/2026

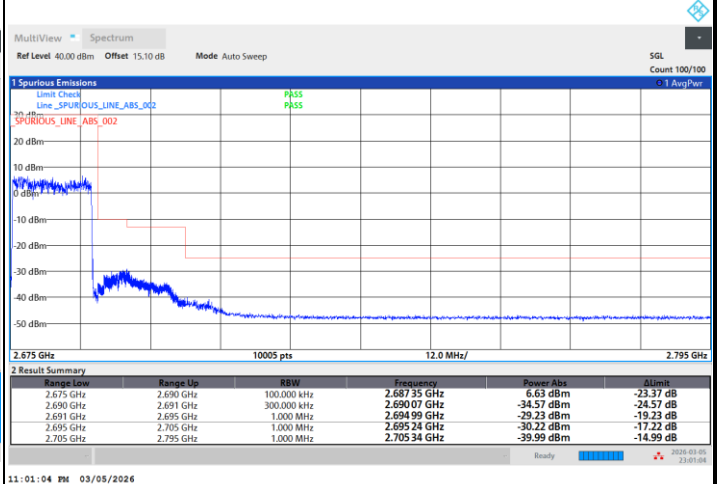


## FR1 n41 / 15MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

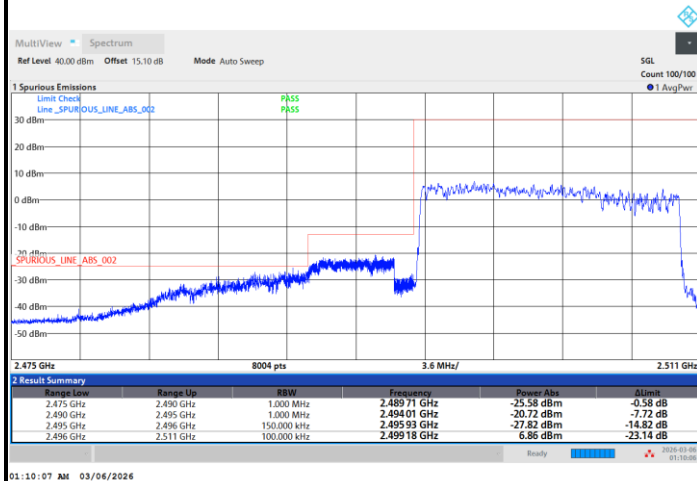


## Highest Band Edge / Full RB

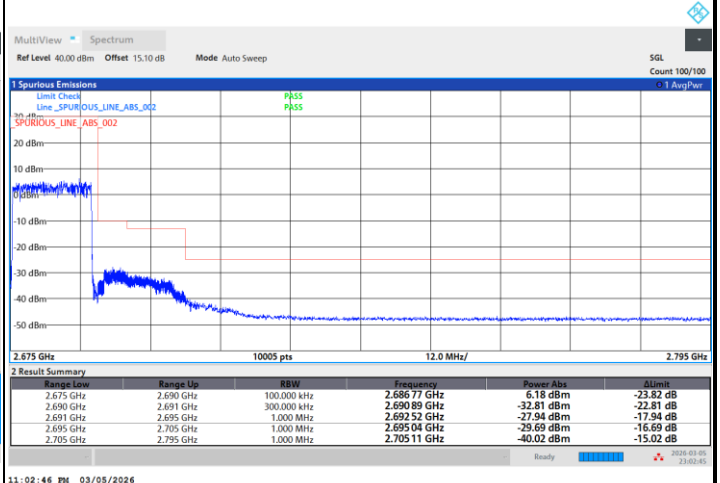


## FR1 n41 / 15MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



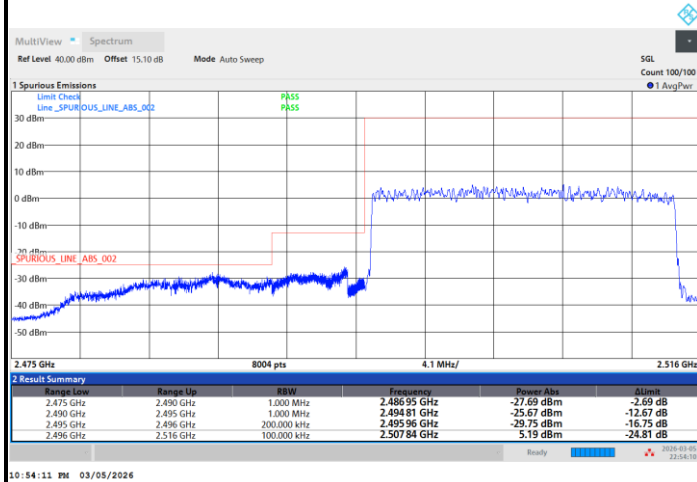
## Highest Band Edge / Full RB



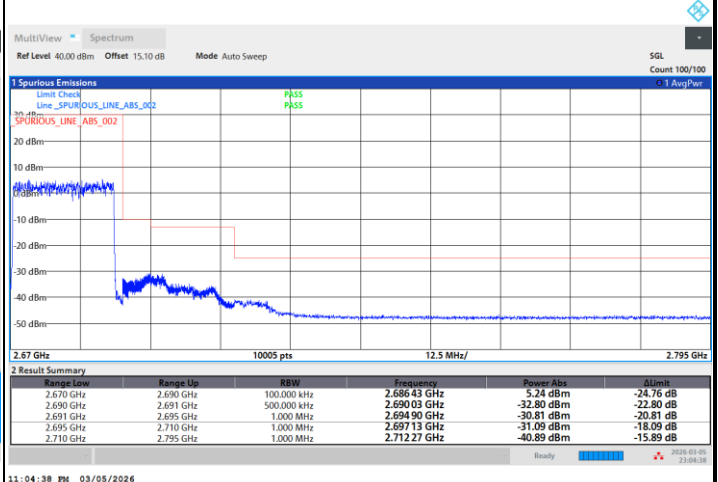


## FR1 n41 / 20MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

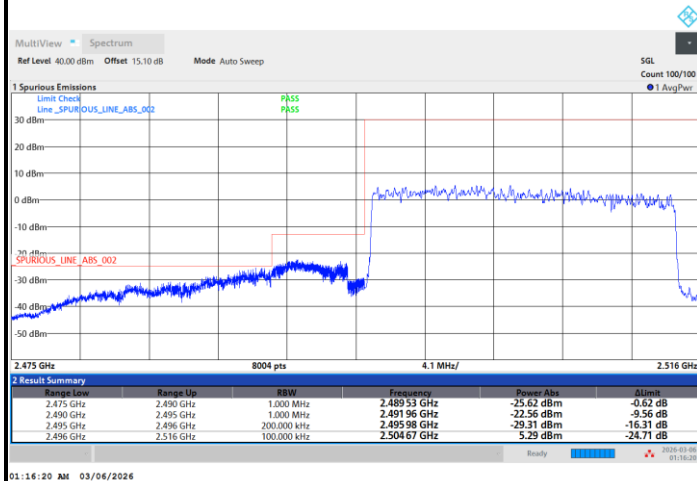


## Highest Band Edge / Full RB

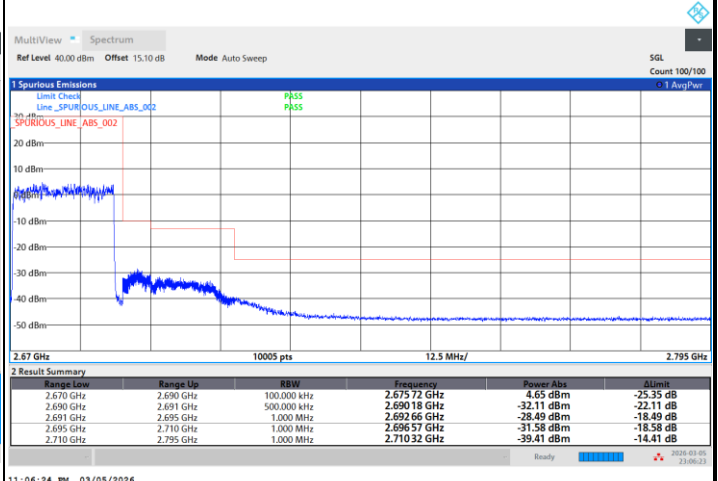


## FR1 n41 / 20MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

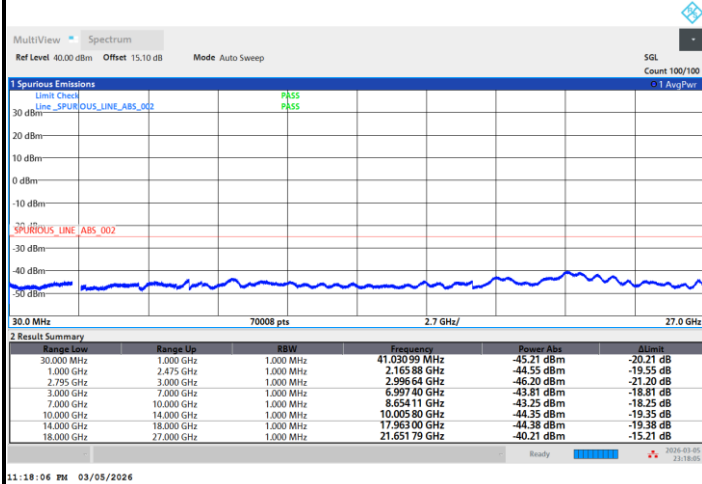




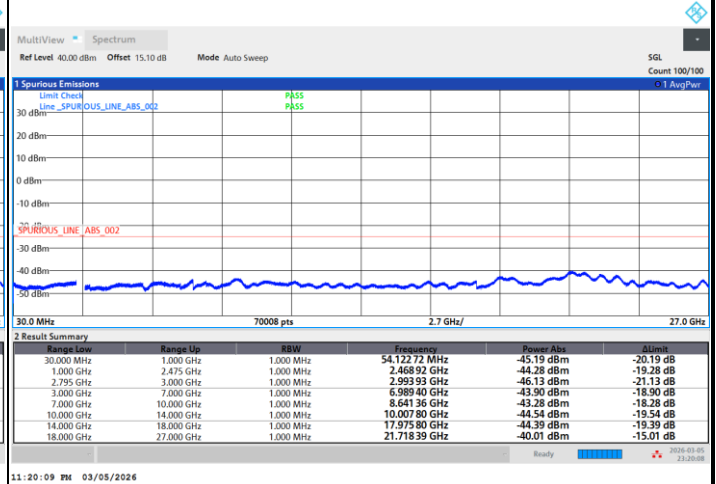
# Conducted Spurious Emission

FR1 n41 / 10MHz / DFT-S OFDM / QPSK / 1RB1

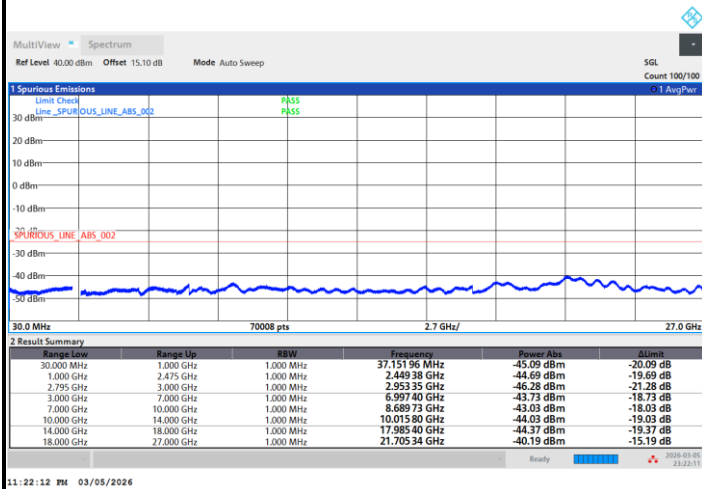
## Lowest Channel



## Middle Channel



## Highest Channel



## Frequency Stability

| Test Conditions     |                   | FR1 n41 (BPSK) / Middle Channel 10M |                                         |                                             |        |
|---------------------|-------------------|-------------------------------------|-----------------------------------------|---------------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | Deviation (ppm)                     | Frequency Offset ( $\Delta f$ )<br>(Hz) | Within Authorized<br>Frequency<br>Block(Hz) | Result |
| 50                  | Normal Voltage    | 0.0005                              | 1.3                                     | Yes                                         | PASS   |
| 40                  | Normal Voltage    | 0.0043                              | -11.1                                   | Yes                                         |        |
| 30                  | Normal Voltage    | 0.0031                              | -8.1                                    | Yes                                         |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 10                  | Normal Voltage    | 0.0005                              | 1.3                                     | Yes                                         |        |
| 0                   | Normal Voltage    | 0.0022                              | 5.7                                     | Yes                                         |        |
| -10                 | Normal Voltage    | 0.0026                              | 6.8                                     | Yes                                         |        |
| -20                 | Normal Voltage    | 0.0020                              | 5.2                                     | Yes                                         |        |
| -30                 | Normal Voltage    | 0.0017                              | 4.3                                     | Yes                                         |        |
| 20                  | Maximum Voltage   | 0.0040                              | -10.4                                   | Yes                                         |        |
| 20                  | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 20                  | Minimum Voltage   | 0.0013                              | -3.4                                    | Yes                                         |        |

**Note:**

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.



## FR1 n66

## &lt;SISO Mode&gt;

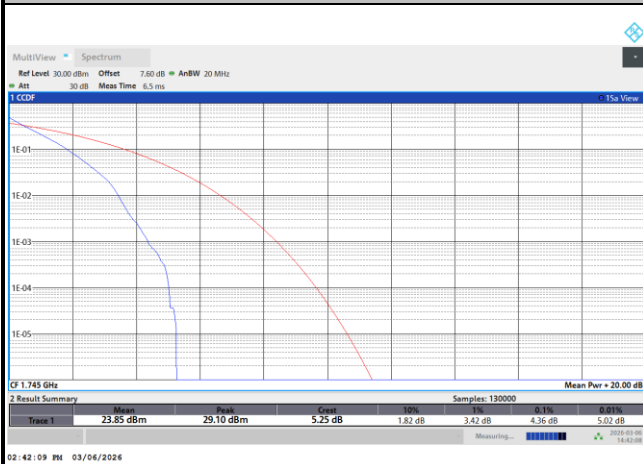
**Peak-to-Average Ratio**

| Mode      | FR1 n66 / 20MHz / DFT-S OFDM |         |         |         |             |
|-----------|------------------------------|---------|---------|---------|-------------|
| Mod.      | PI/2 BPSK                    | QPSK    | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Full RB | Full RB | Result      |
| Middle CH | 4.36                         | 5.28    | 6.04    | 6.36    | PASS        |
| Mode      | FR1 n66 / 20MHz / DFT-S OFDM |         |         |         |             |
| Mod.      | 256QAM                       |         |         |         | Limit: 13dB |
| RB Size   | Full RB                      |         |         |         | Result      |
| Middle CH | 6.54                         |         |         |         | PASS        |

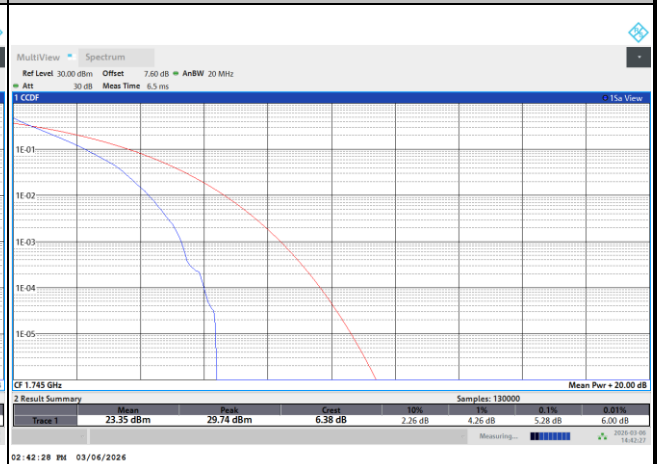


## FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

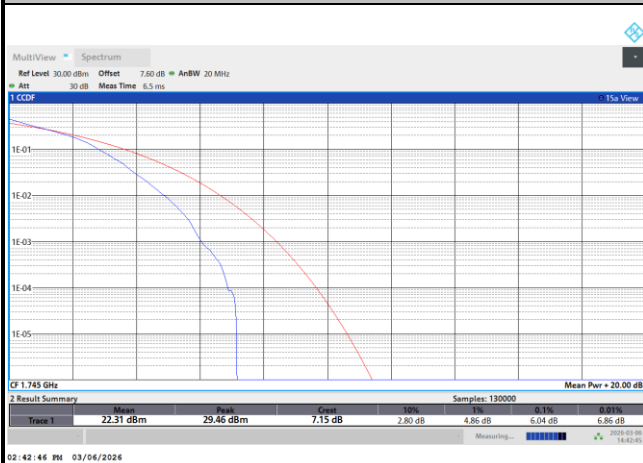
## PI/2 BPSK



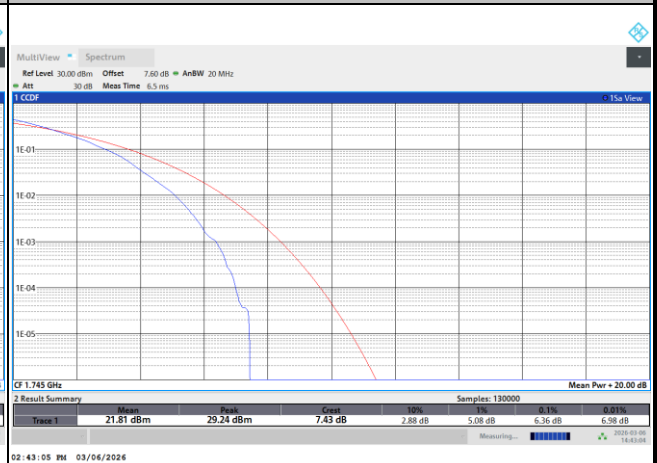
## QPSK



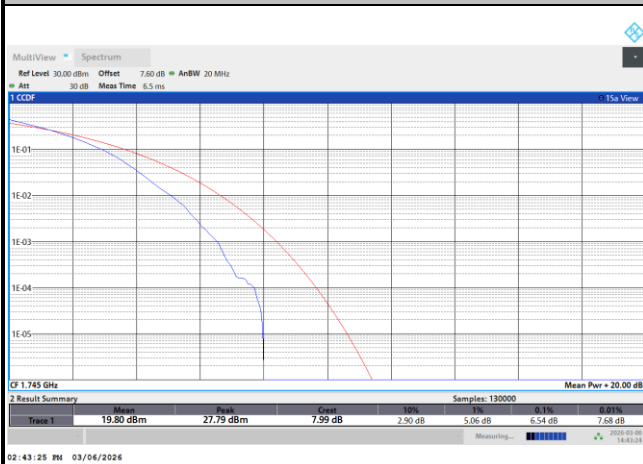
## 16QAM



## 64QAM



## 256QAM



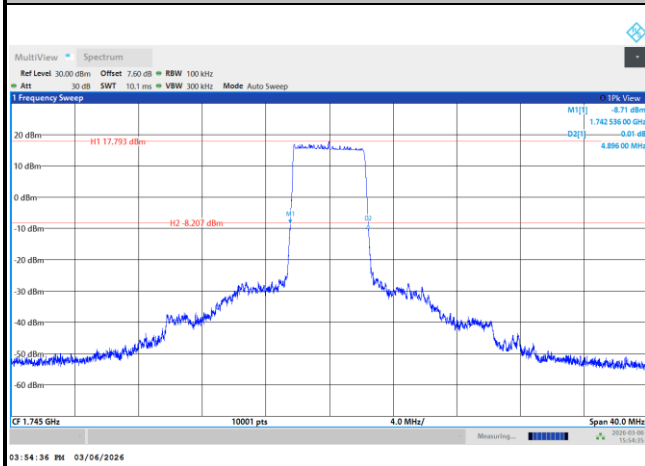
**26dB Bandwidth**

| Mode      | FR1 n66 : 26dB BW(MHz) / DFT-S OFDM |      |           |      |           |       |           |       |
|-----------|-------------------------------------|------|-----------|------|-----------|-------|-----------|-------|
| BW        | 5MHz                                |      | 10MHz     |      | 15MHz     |       | 20MHz     |       |
| Mod.      | PI/2 BPSK                           | QPSK | PI/2 BPSK | QPSK | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |
| Middle CH | 4.89                                | 4.94 | 9.57      | 9.55 | 14.26     | 14.26 | 19.13     | 19.11 |
| Mod.      | 16QAM                               |      | 16QAM     |      | 16QAM     |       | 16QAM     |       |
| Middle CH | 4.93                                |      | 9.54      |      | 14.24     |       | 19.16     |       |

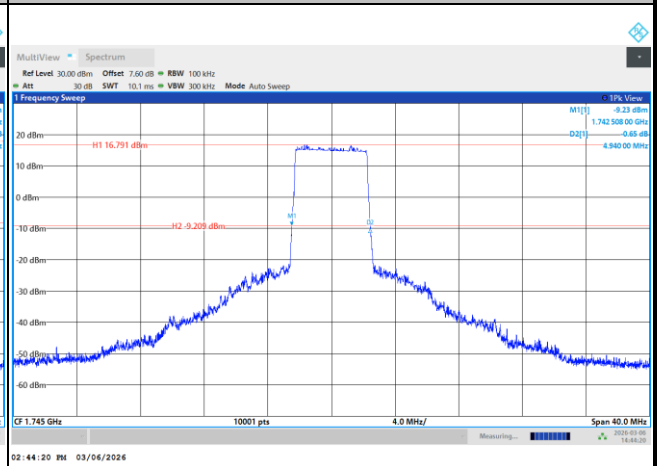


FR1 n66 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

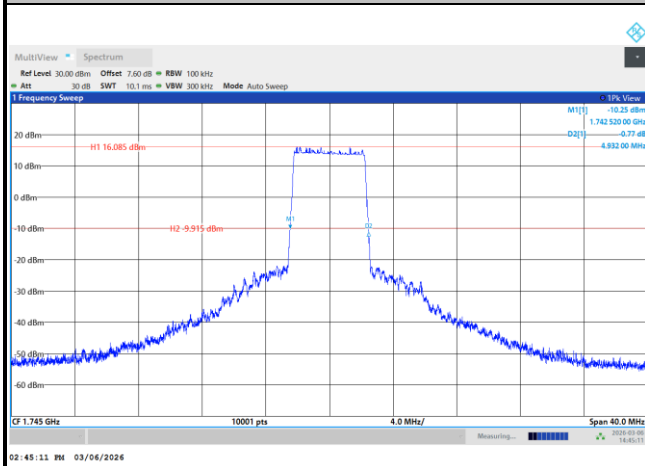
PI/2 BPSK



QPSK



16QAM

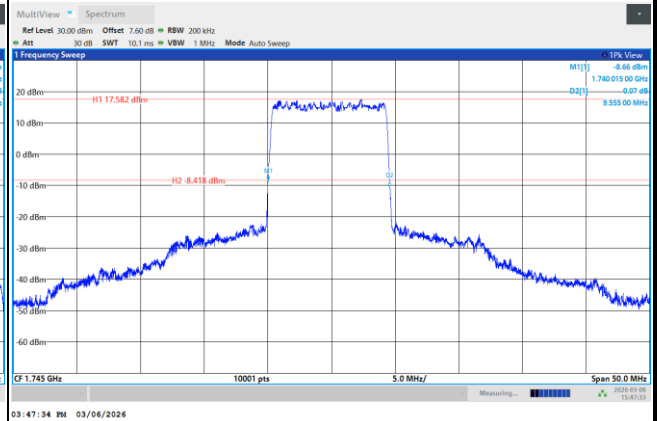
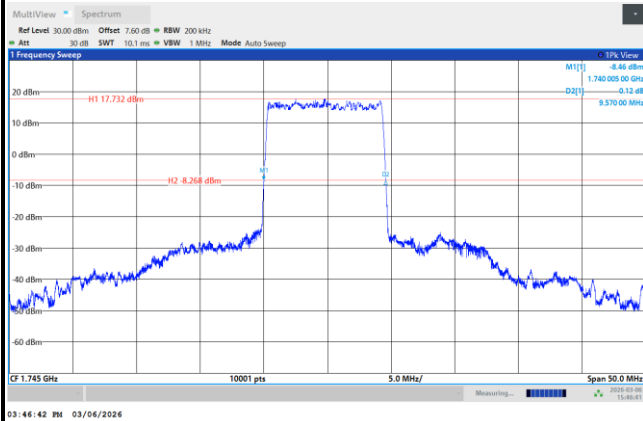




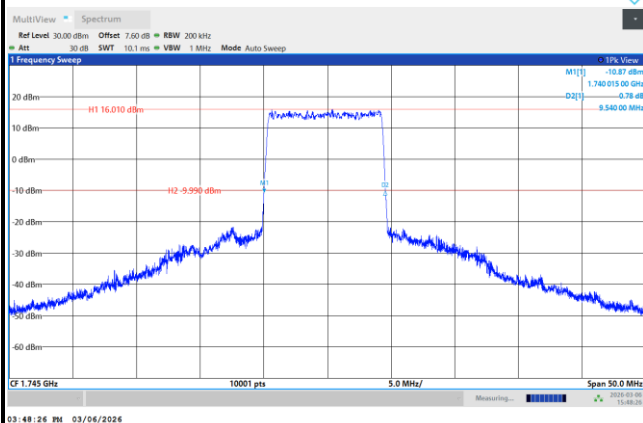
FR1 n66 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK



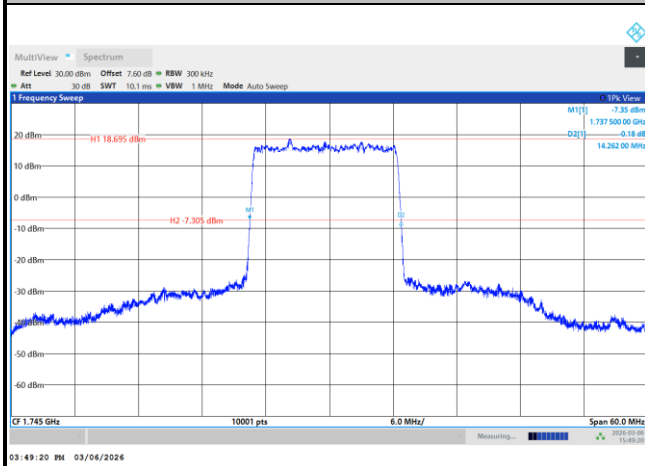
16QAM



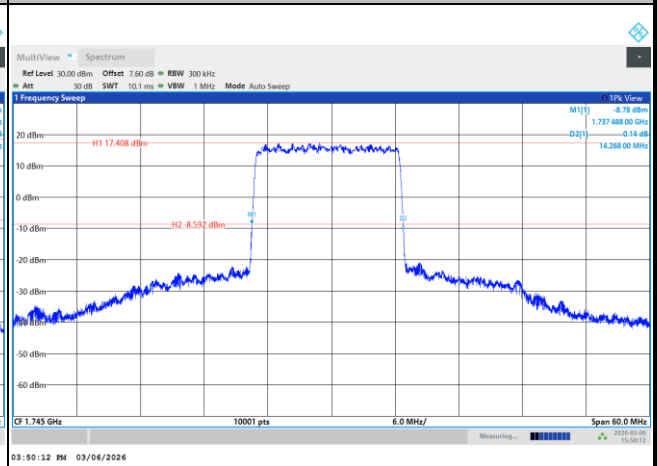


FR1 n66 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

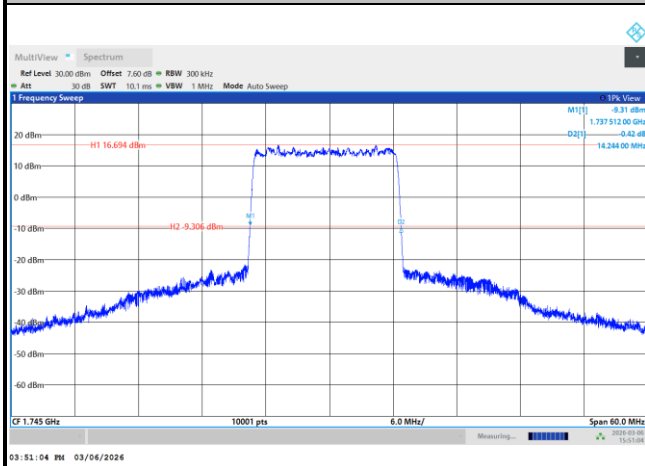
PI/2 BPSK



QPSK



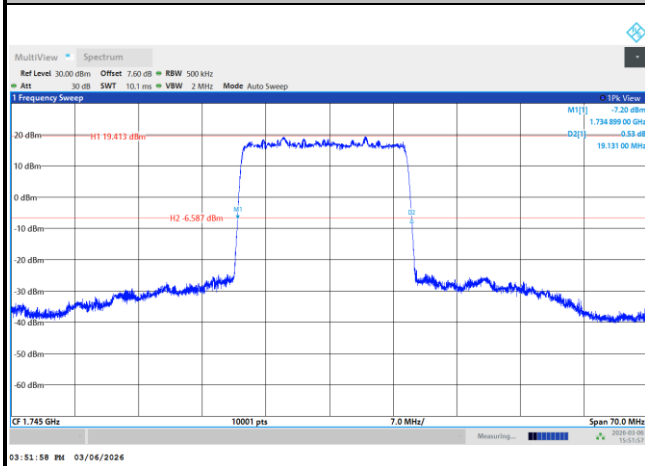
16QAM



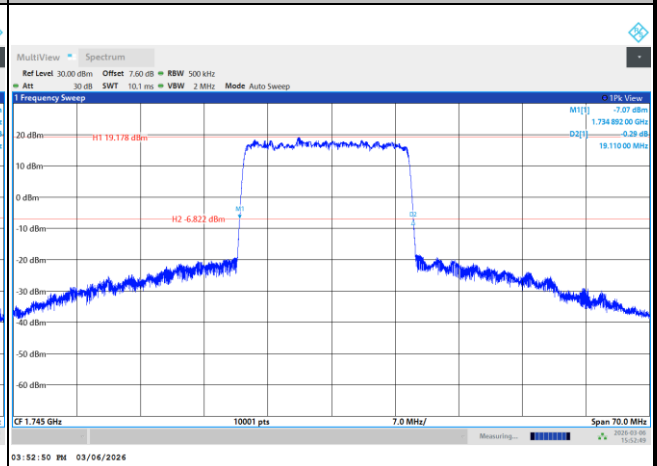


FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

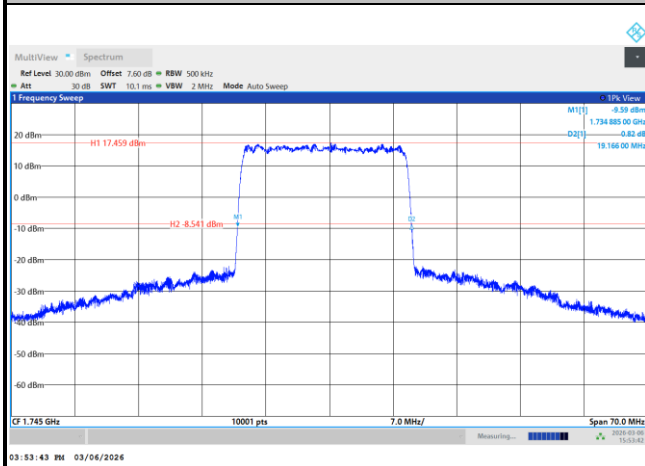
PI/2 BPSK



QPSK



16QAM



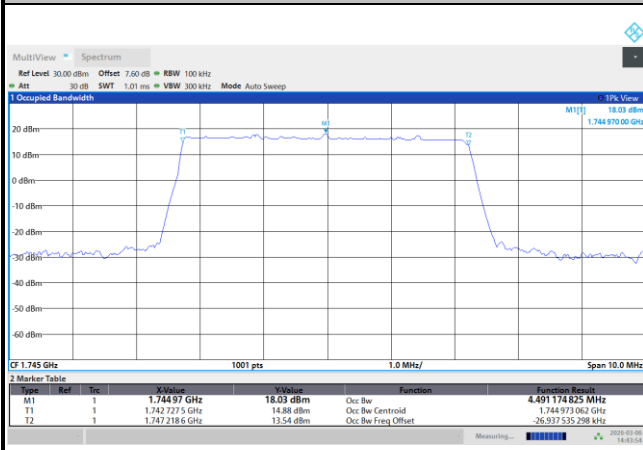
**Occupied Bandwidth**

| Mode      | FR1 n66 : 99%OBW(MHz) / DFT-S OFDM |      |           |      |           |       |           |       |
|-----------|------------------------------------|------|-----------|------|-----------|-------|-----------|-------|
| BW        | 5MHz                               |      | 10MHz     |      | 15MHz     |       | 20MHz     |       |
| Mod.      | PI/2 BPSK                          | QPSK | PI/2 BPSK | QPSK | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |
| Middle CH | 4.49                               | 4.50 | 9.01      | 8.96 | 13.47     | 13.46 | 18.00     | 17.96 |
| Mod.      | 16QAM                              |      | 16QAM     |      | 16QAM     |       | 16QAM     |       |
| Middle CH | 4.49                               |      | 8.95      |      | 13.45     |       | 17.95     |       |



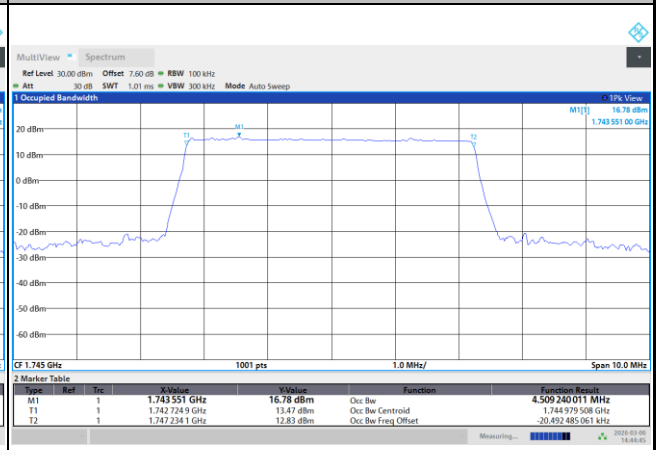
## FR1 n66 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



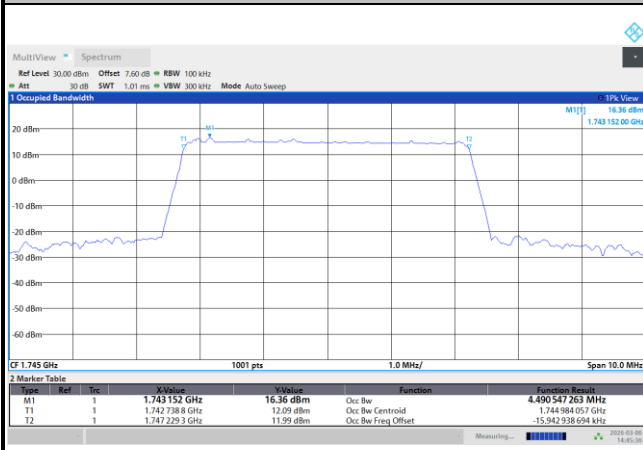
02:43:54 PM 03/06/2026

## QPSK



02:44:45 PM 03/06/2026

## 16QAM



02:45:36 PM 03/06/2026



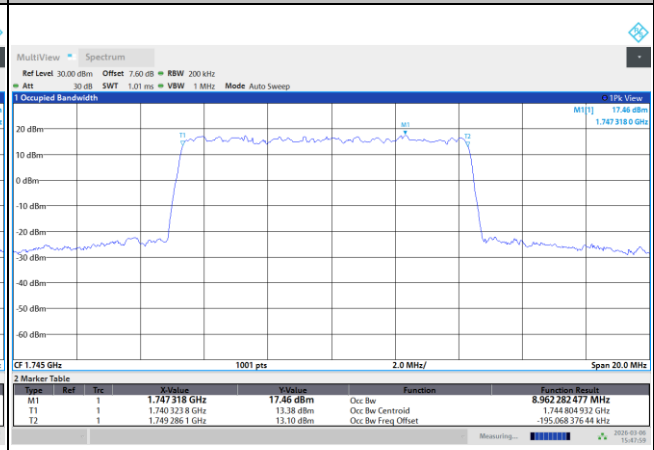
## FR1 n66 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



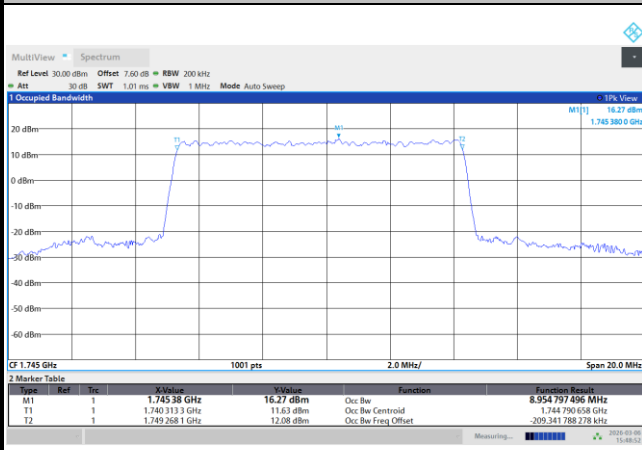
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## QPSK



03:48:00 PM 03/06/2026

## 16QAM

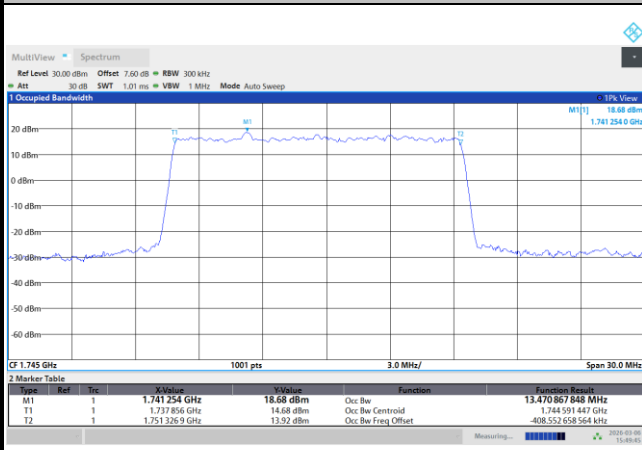


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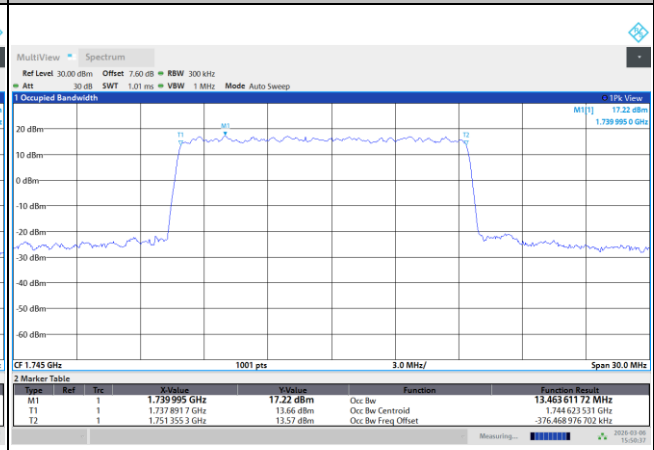
## FR1 n66 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



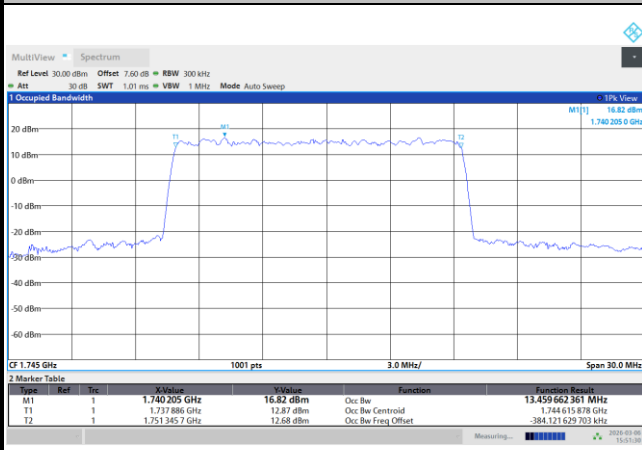
03:49:46 PM 03/06/2026

## QPSK



03:50:38 PM 03/06/2026

## 16QAM

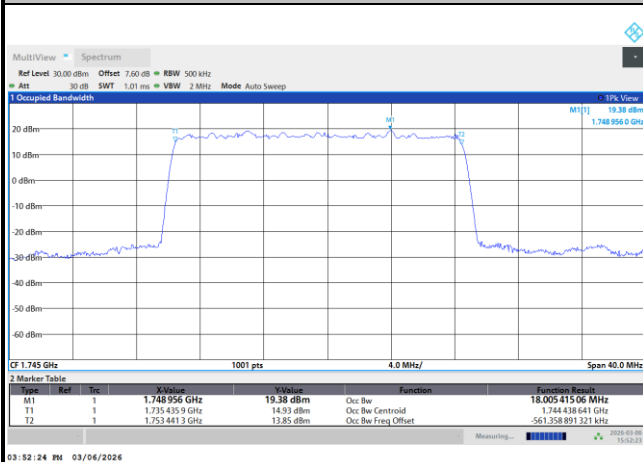


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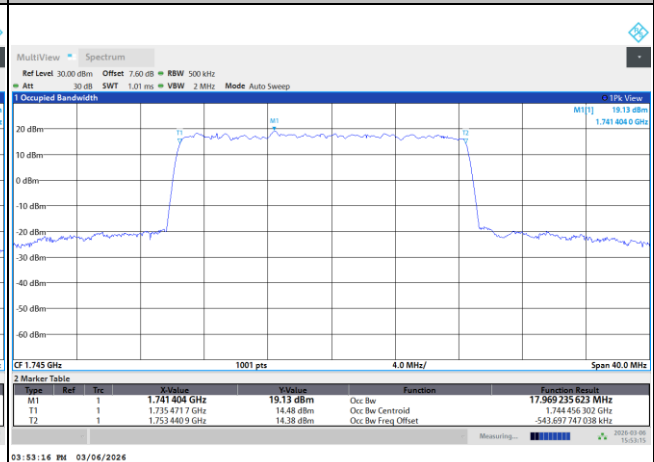


## FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

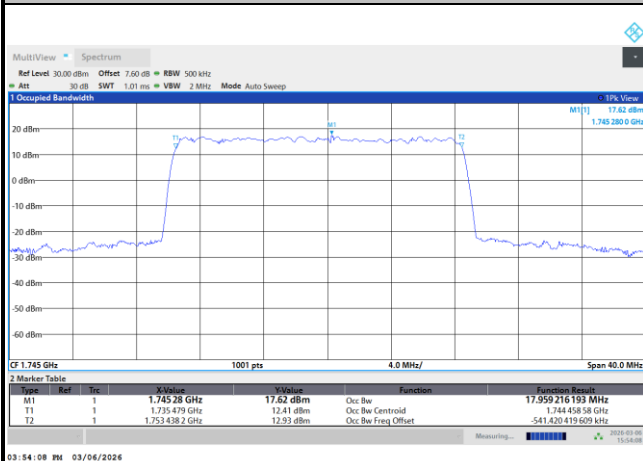
## PI/2 BPSK



## QPSK



## 16QAM

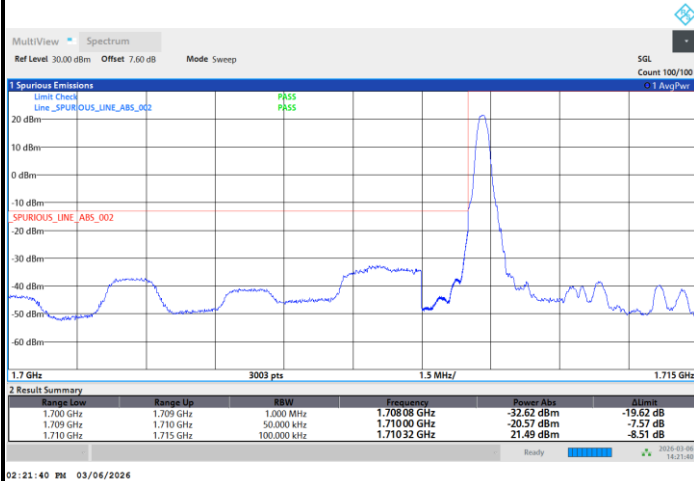




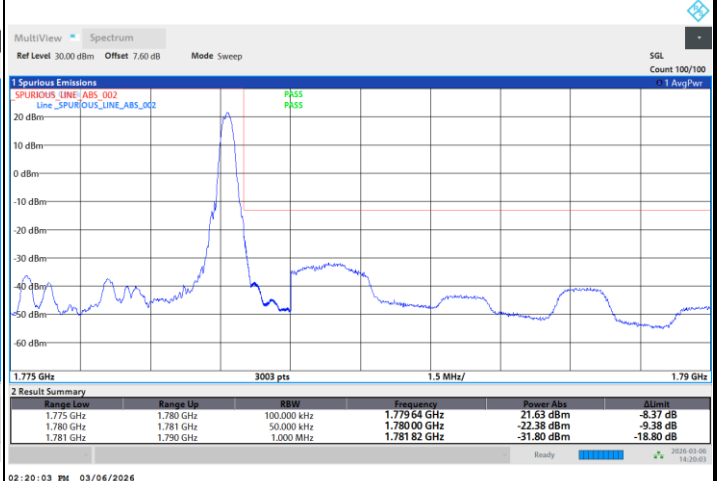
# Conducted Band Edge

## FR1 n66 / 5MHz / DFT-S OFDM / PI/2 BPSK

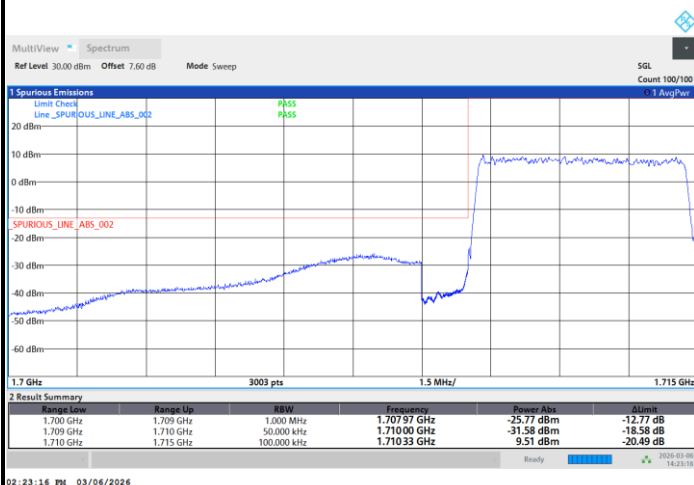
### Lowest Band Edge / 1RB0



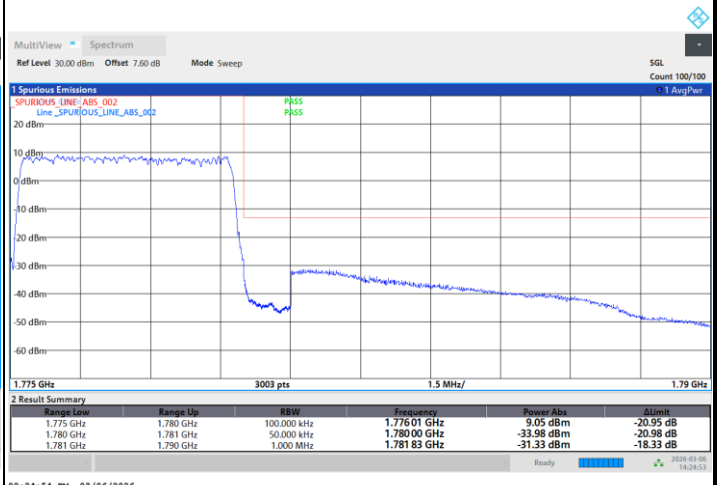
### Highest Band Edge / 1RBmax



### Lowest Band Edge / Full RB



### Highest Band Edge / Full RB

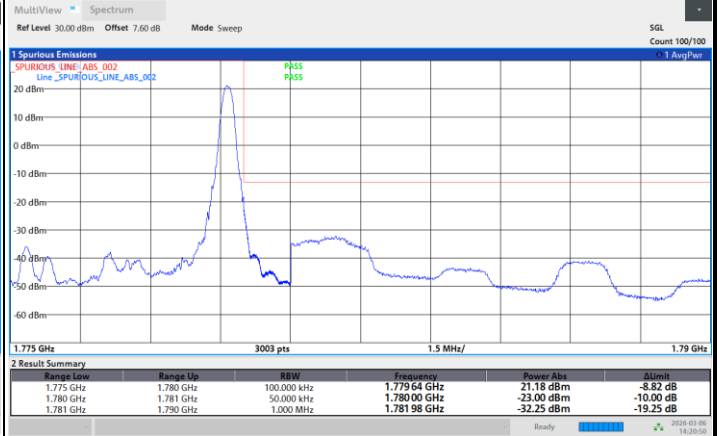
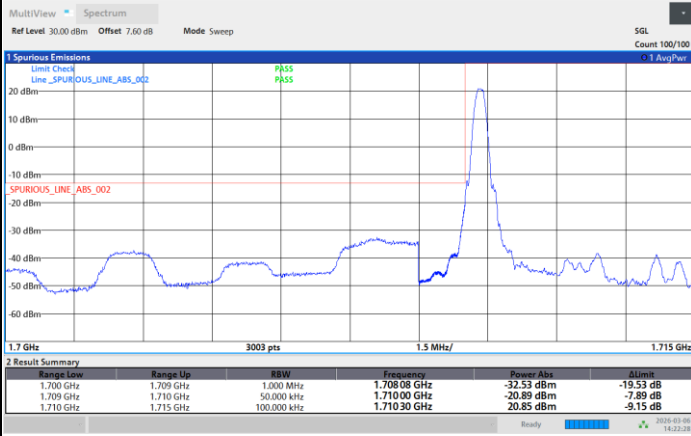




## FR1 n66 / 5MHz / DFT-S OFDM / QPSK

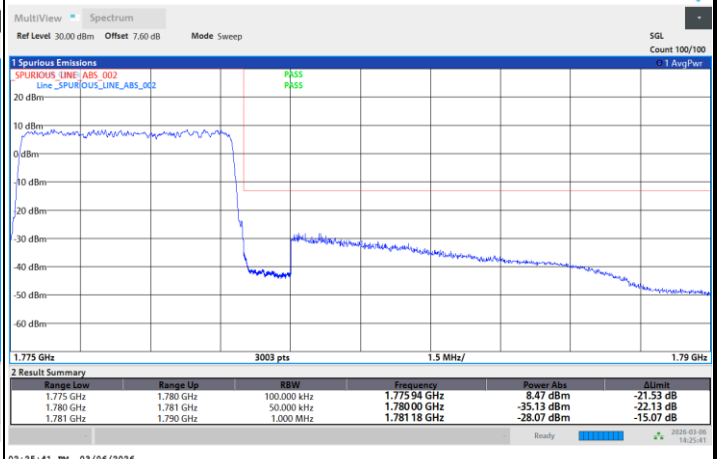
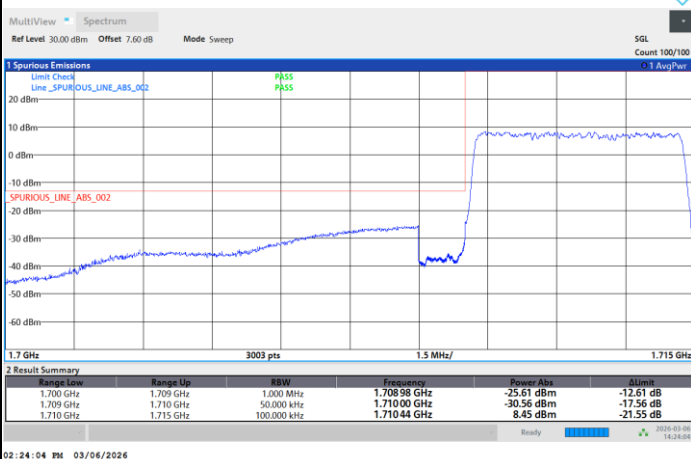
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

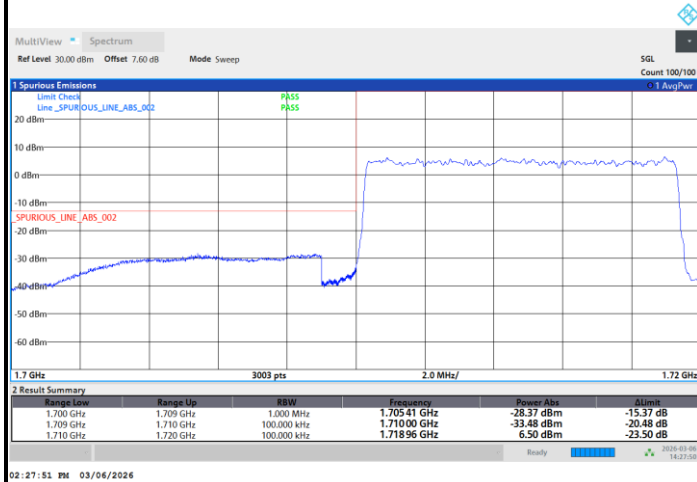
## Highest Band Edge / Full RB



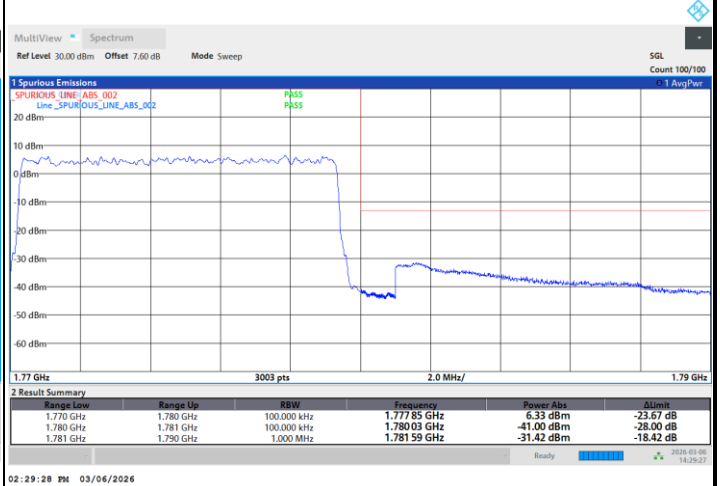


## FR1 n66 / 10MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

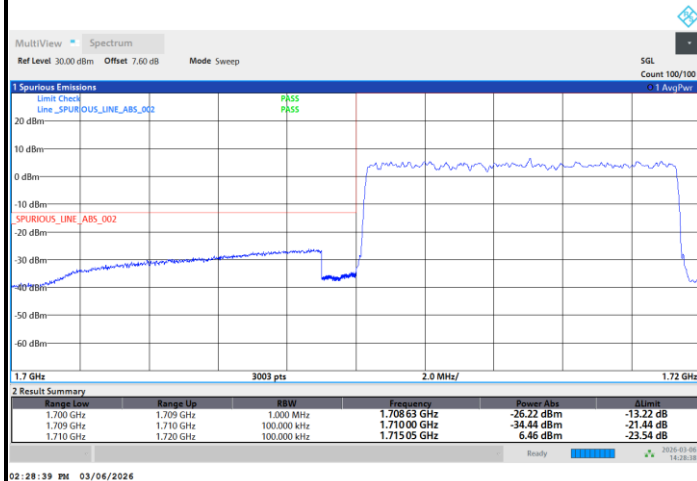


## Highest Band Edge / Full RB

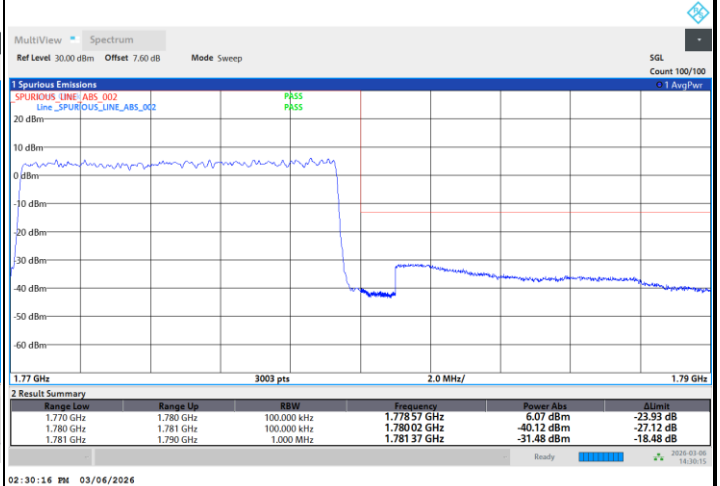


## FR1 n66 / 10MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / Full RB



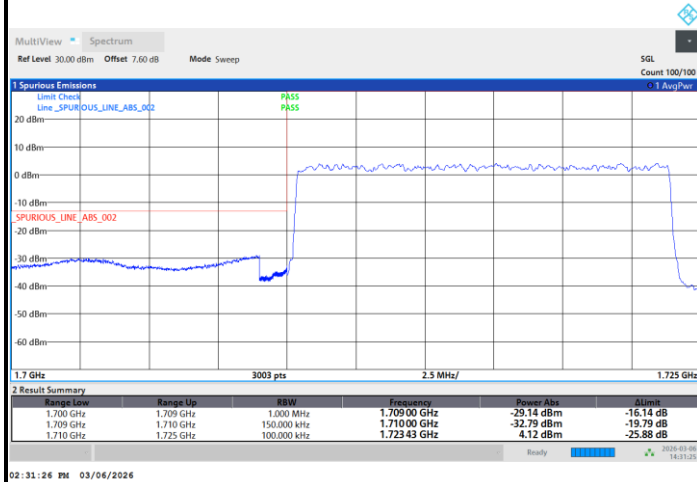
## Highest Band Edge / Full RB



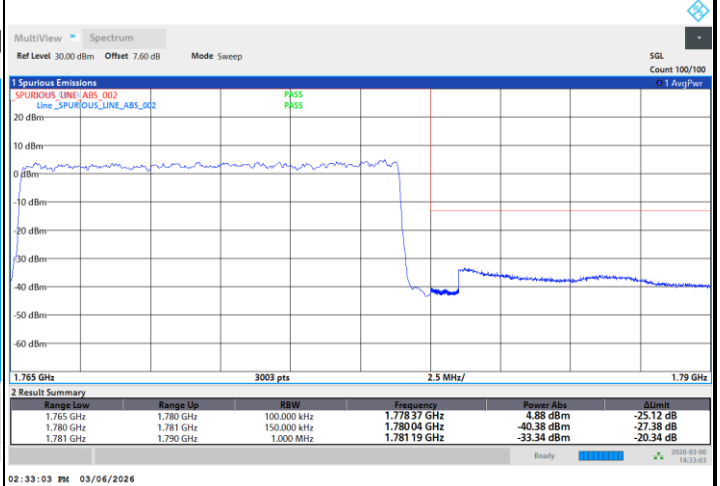


## FR1 n66 / 15MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

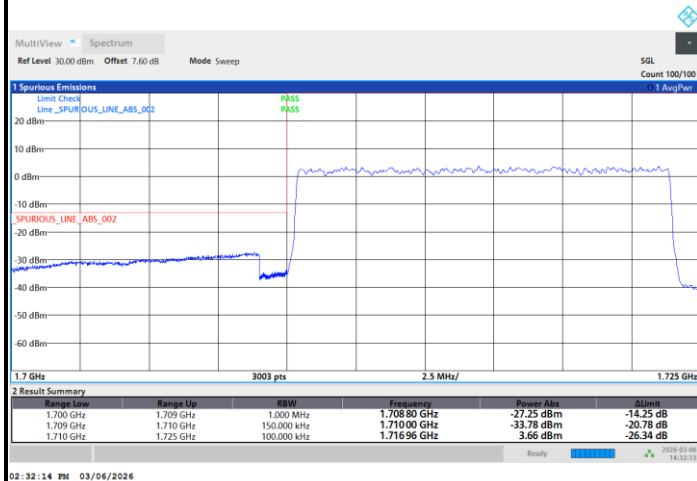


## Highest Band Edge / Full RB

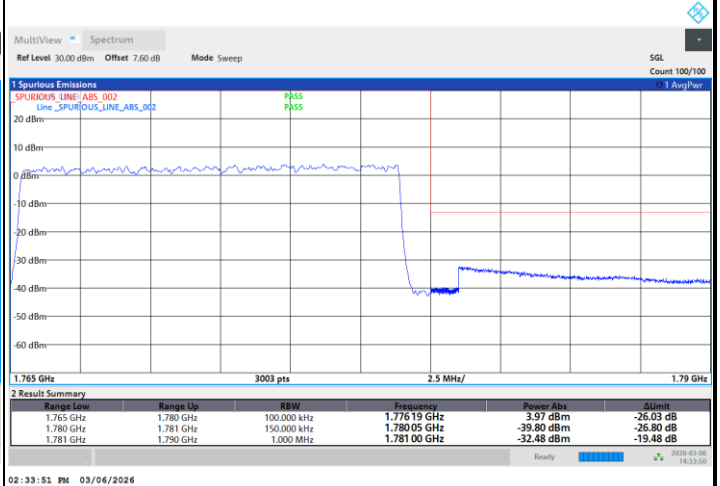


## FR1 n66 / 15MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / Full RB



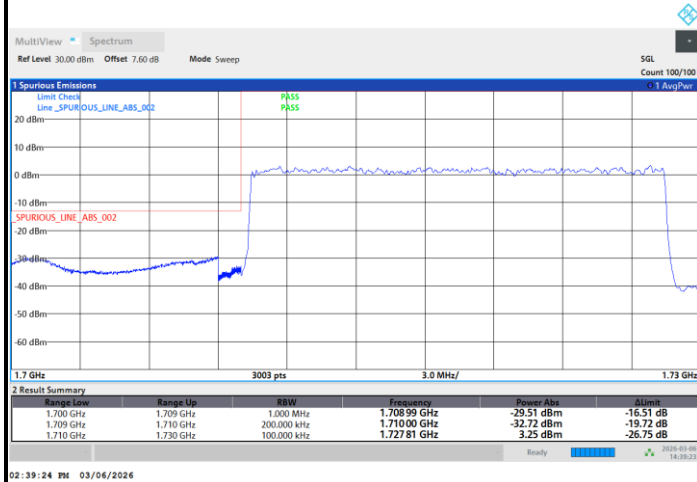
## Highest Band Edge / Full RB



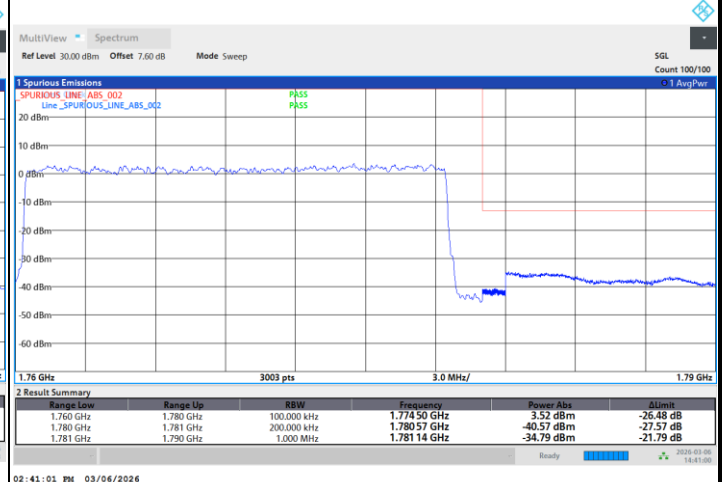


## FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

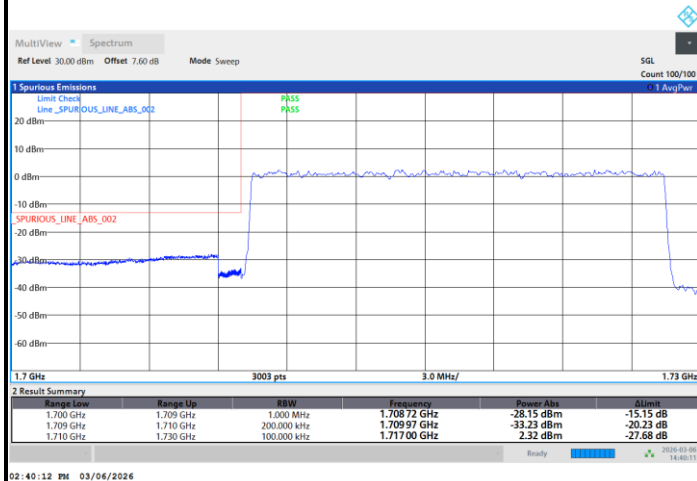


## Highest Band Edge / Full RB

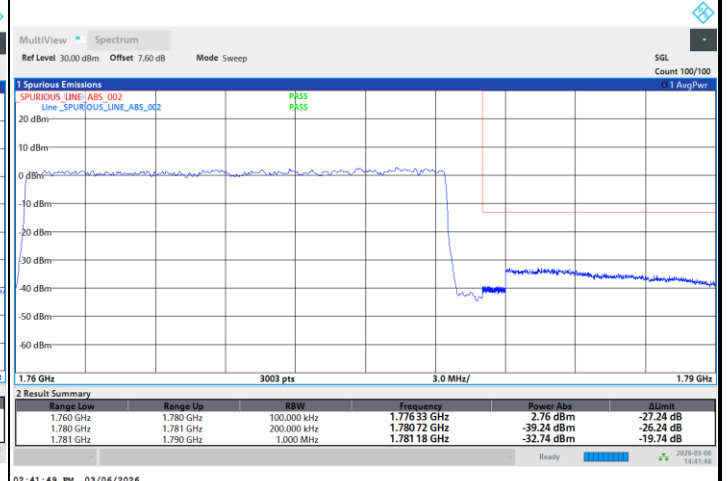


## FR1 n66 / 20MHz / DFT-s-OFDM / QPSK

## Lowest Band Edge / Full RB



## Highest Band Edge / Full RB

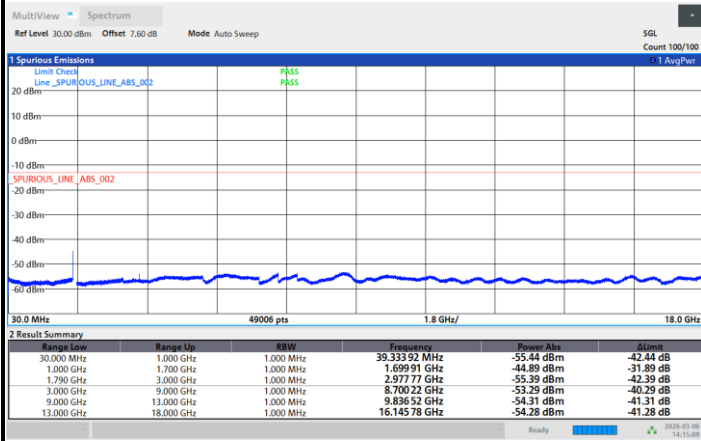




# Conducted Spurious Emission

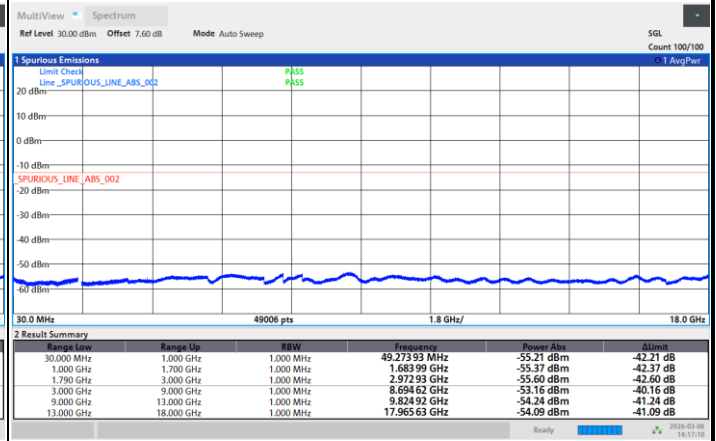
FR1 n66 / 5MHz / DFT-S OFDM / QPSK / 1RB1

## Lowest Channel



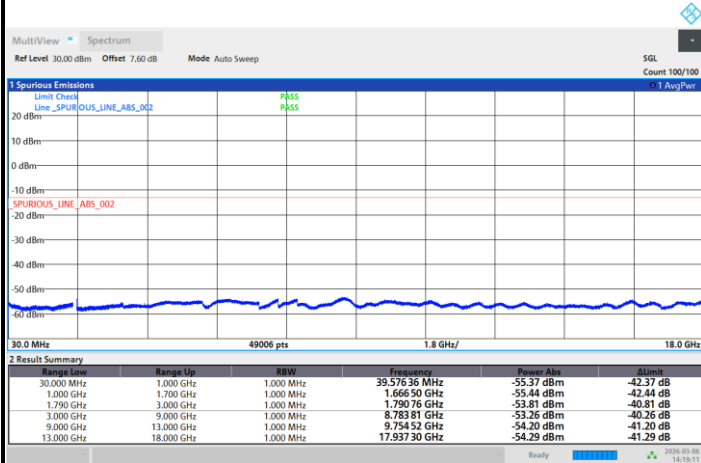
02:15:10 PM 03/06/2026

## Middle Channel



02:17:11 PM 03/06/2026

## Highest Channel



02:19:12 PM 03/06/2026

## Frequency Stability

| Test Conditions     |                   | FR1 n66 (BPSK) / Middle Channel 10M |                                         |                                             |        |
|---------------------|-------------------|-------------------------------------|-----------------------------------------|---------------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | Deviation (ppm)                     | Frequency Offset ( $\Delta f$ )<br>(Hz) | Within Authorized<br>Frequency<br>Block(Hz) | Result |
| 50                  | Normal Voltage    | 0.0092                              | -16                                     | Yes                                         | PASS   |
| 40                  | Normal Voltage    | 0.0032                              | -5.5                                    | Yes                                         |        |
| 30                  | Normal Voltage    | 0.0087                              | -15.1                                   | Yes                                         |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 10                  | Normal Voltage    | 0.0092                              | -16                                     | Yes                                         |        |
| 0                   | Normal Voltage    | 0.0001                              | 0.1                                     | Yes                                         |        |
| -10                 | Normal Voltage    | 0.0001                              | 0.2                                     | Yes                                         |        |
| -20                 | Normal Voltage    | 0.0006                              | 1.1                                     | Yes                                         |        |
| -30                 | Normal Voltage    | 0.0103                              | -17.9                                   | Yes                                         |        |
| 20                  | Maximum Voltage   | 0.0036                              | -6.3                                    | Yes                                         |        |
| 20                  | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 20                  | Minimum Voltage   | 0.0009                              | 1.5                                     | Yes                                         |        |

**Note:**

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.

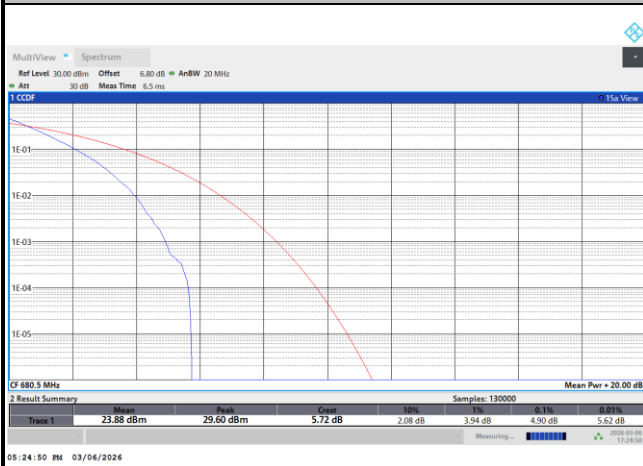
**FR1 n71****<SISO Mode>****Peak-to-Average Ratio**

| Mode      | FR1 n71 / 20MHz / DFT-S OFDM |         |         |         |             |
|-----------|------------------------------|---------|---------|---------|-------------|
| Mod.      | PI/2 BPSK                    | QPSK    | 16QAM   | 64QAM   | Limit: 13dB |
| RB Size   | Full RB                      | Full RB | Full RB | Full RB | Result      |
| Middle CH | 4.90                         | 5.84    | 6.68    | 6.70    | <b>PASS</b> |
| Mode      | FR1 n71 / 20MHz / DFT-S OFDM |         |         |         |             |
| Mod.      | 256QAM                       |         |         |         | Limit: 13dB |
| RB Size   | Full RB                      |         |         |         | Result      |
| Middle CH | 6.62                         |         |         |         | <b>PASS</b> |

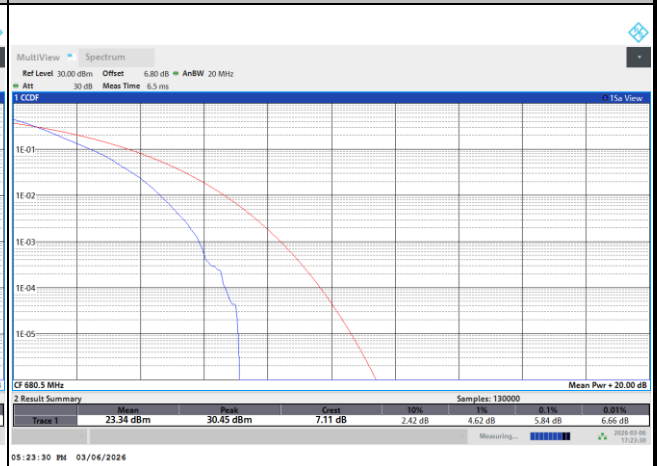


## FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

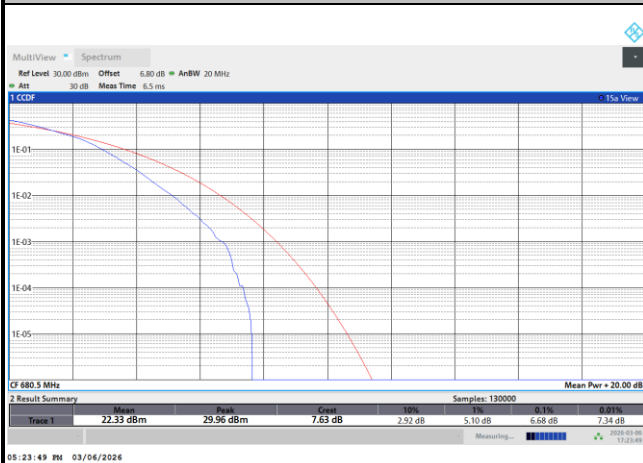
## PI/2 BPSK



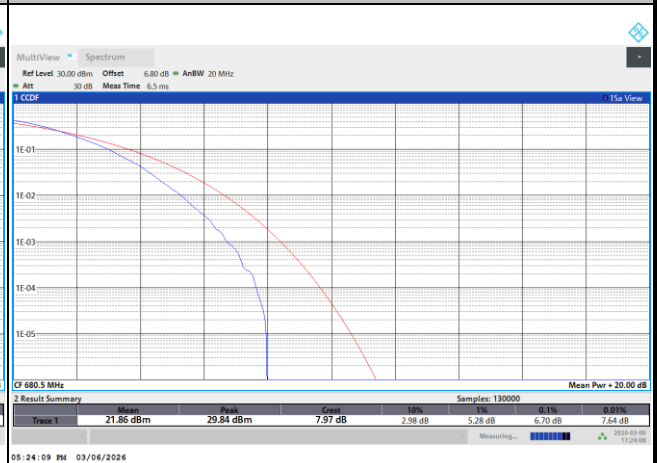
## QPSK



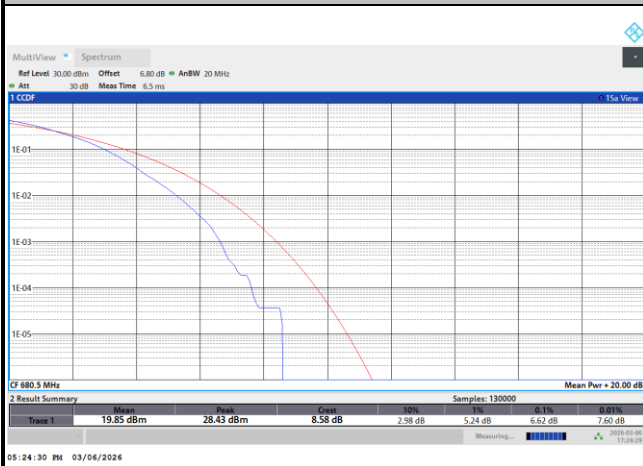
## 16QAM



## 64QAM



## 256QAM



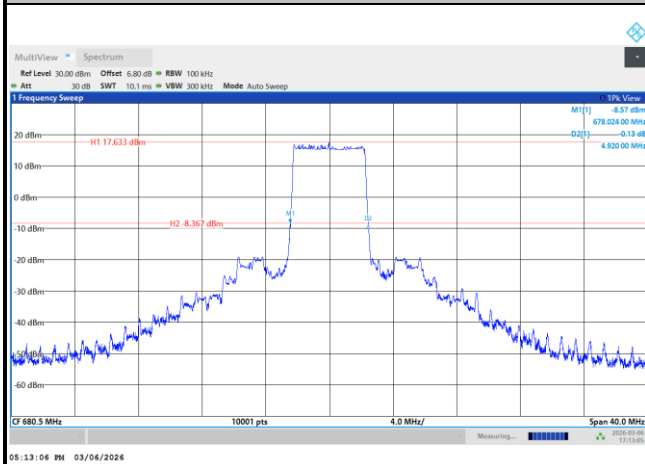
**26dB Bandwidth**

| Mode      | FR1 n71 : 26dB BW(MHz) / DFT-S OFDM |      |           |      |           |       |           |       |
|-----------|-------------------------------------|------|-----------|------|-----------|-------|-----------|-------|
| BW        | 5MHz                                |      | 10MHz     |      | 15MHz     |       | 20MHz     |       |
| Mod.      | PI/2 BPSK                           | QPSK | PI/2 BPSK | QPSK | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |
| Middle CH | 4.92                                | 4.90 | 9.64      | 9.56 | 14.31     | 14.32 | 19.18     | 19.18 |
| Mod.      | 16QAM                               |      | 16QAM     |      | 16QAM     |       | 16QAM     |       |
| Middle CH | 4.96                                |      | 9.56      |      | 14.30     |       | 19.16     |       |

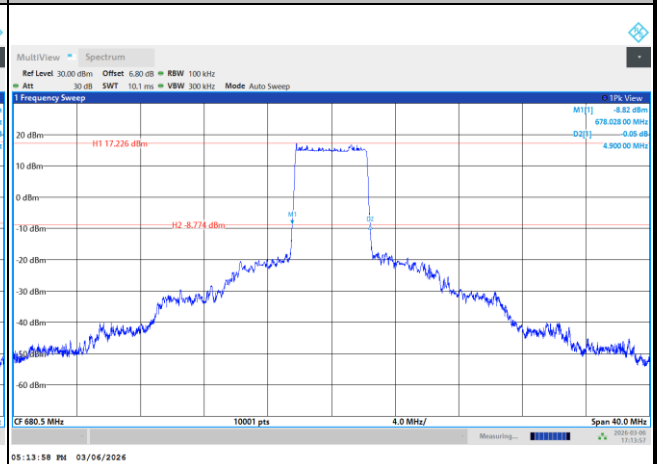


FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

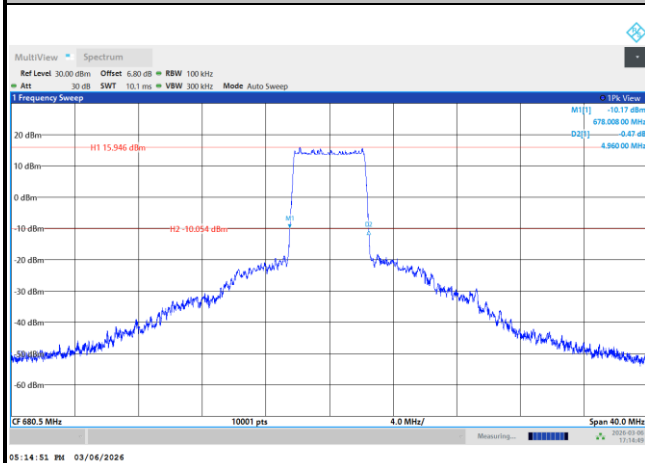
PI/2 BPSK



QPSK



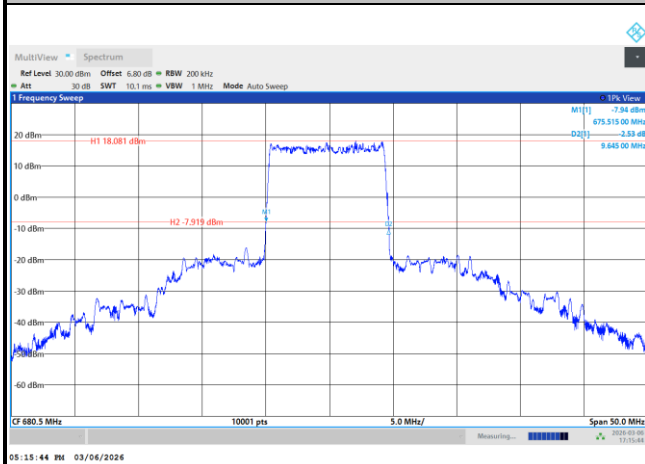
16QAM



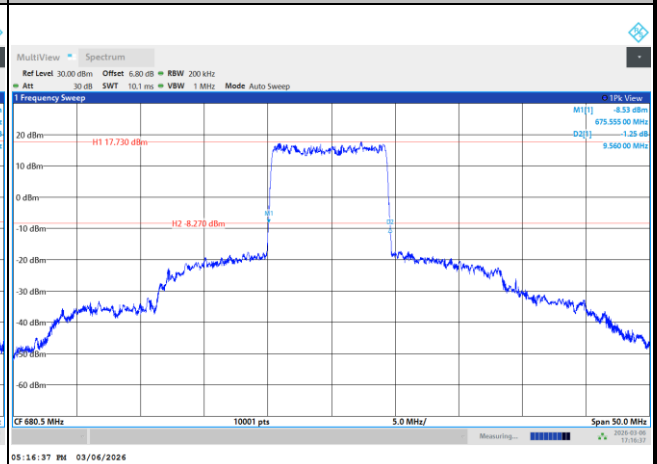


FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

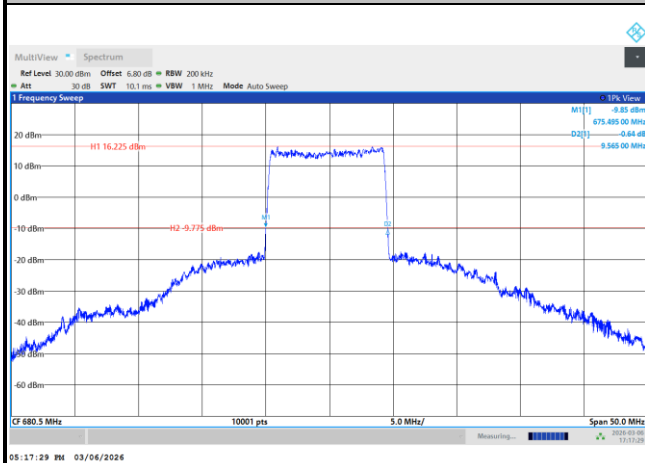
PI/2 BPSK



QPSK



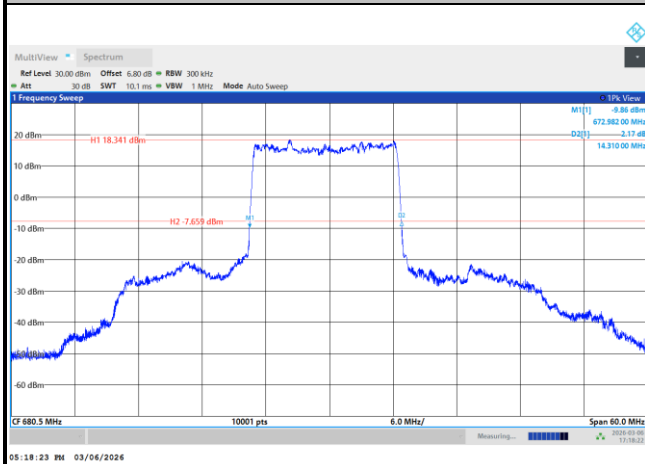
16QAM



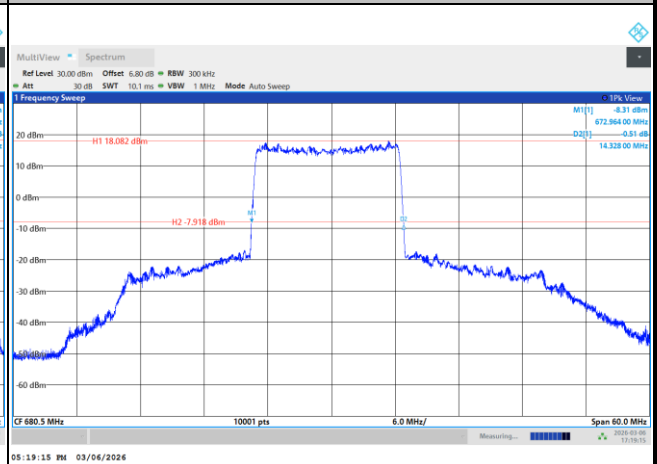


FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

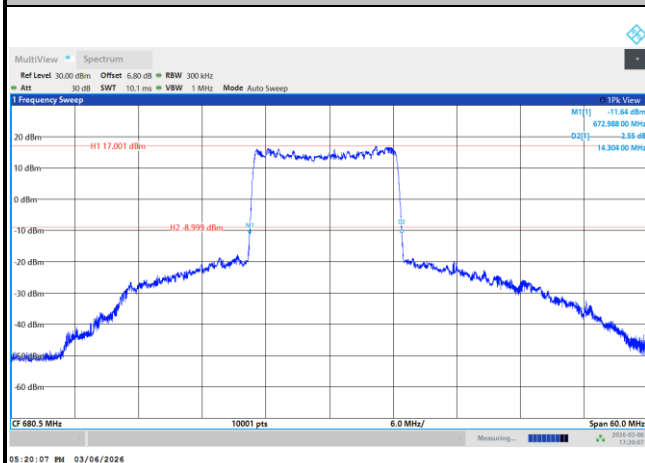
PI/2 BPSK



QPSK



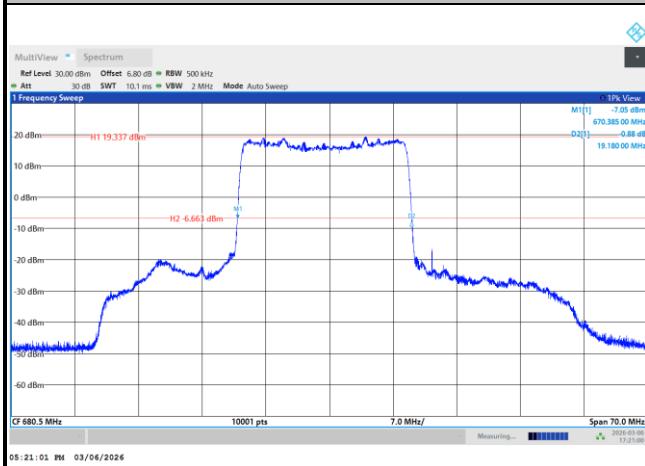
16QAM



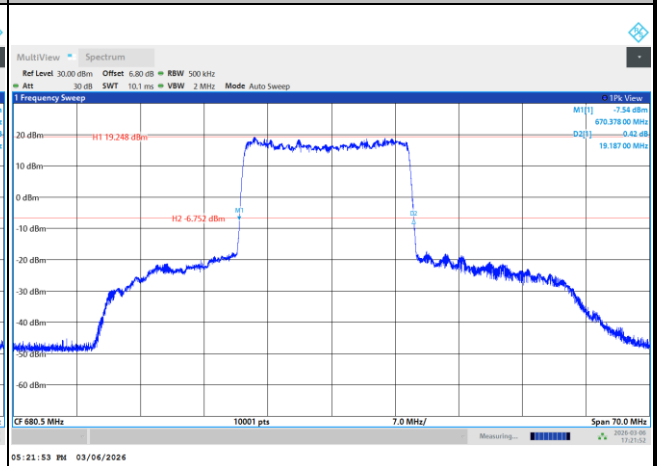


FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

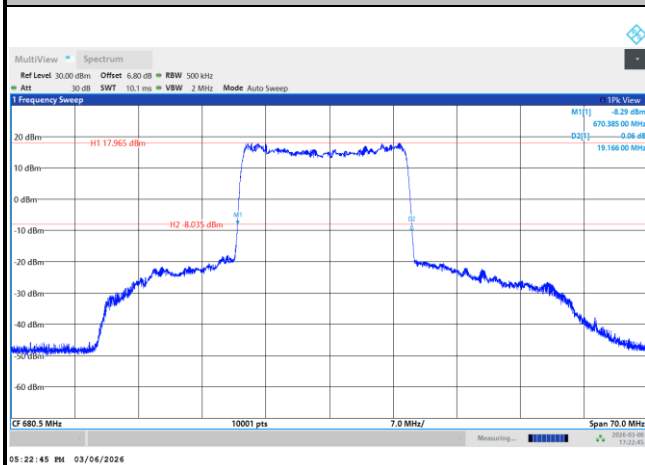
PI/2 BPSK



QPSK



16QAM



**Occupied Bandwidth**

| Mode      | FR1 n71 : 99%OBW(MHz) / DFT-S OFDM |      |           |      |           |       |           |       |
|-----------|------------------------------------|------|-----------|------|-----------|-------|-----------|-------|
| BW        | 5MHz                               |      | 10MHz     |      | 15MHz     |       | 20MHz     |       |
| Mod.      | PI/2 BPSK                          | QPSK | PI/2 BPSK | QPSK | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |
| Middle CH | 4.51                               | 4.50 | 9.05      | 8.98 | 13.52     | 13.51 | 18.11     | 18.06 |
| Mod.      | 16QAM                              |      | 16QAM     |      | 16QAM     |       | 16QAM     |       |
| Middle CH | 4.50                               |      | 8.99      |      | 13.49     |       | 18.05     |       |