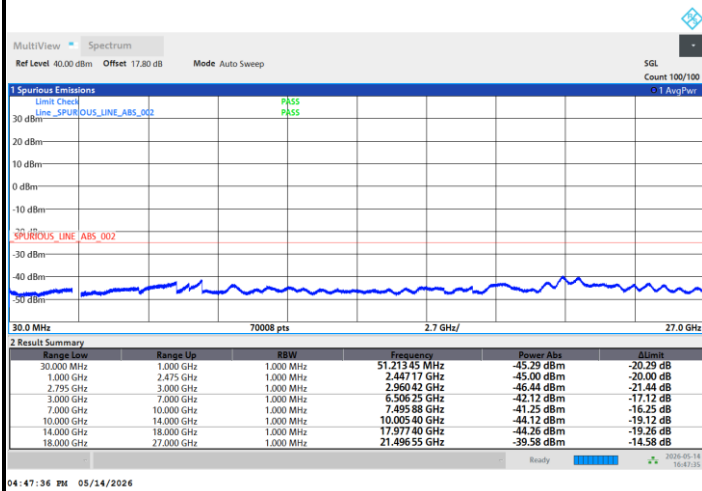




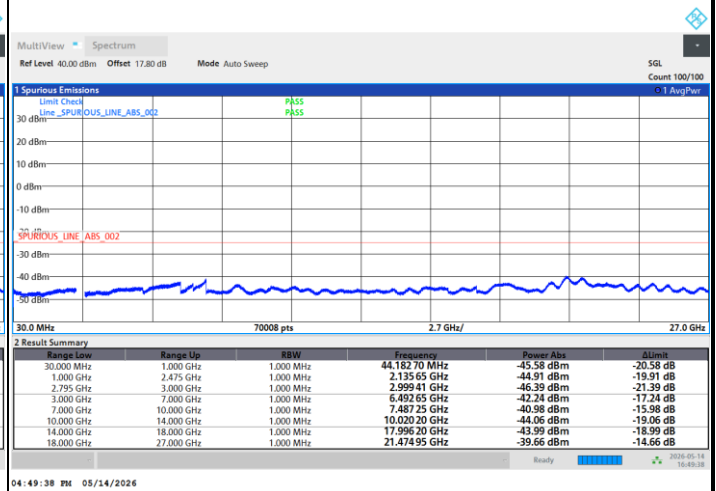
## Conducted Spurious Emission

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

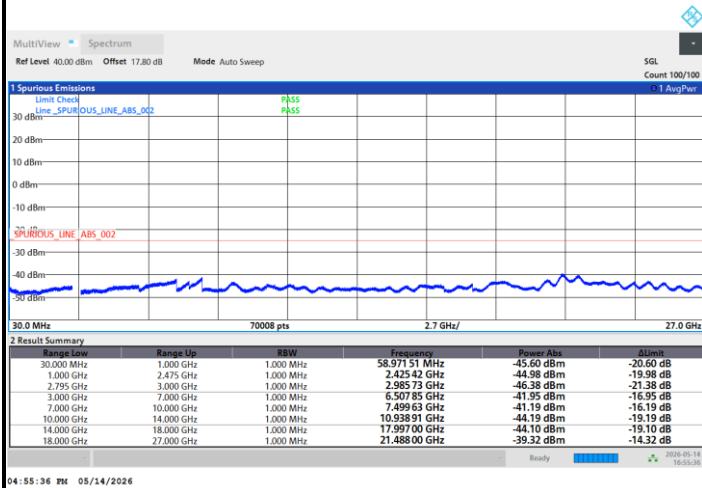
## Lowest Channel



## 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    | 0.0034                              | -8.8                                    | Yes                                         | PASS   |
| 40                  | Normal Voltage    | 0.0004                              | 1                                       | Yes                                         |        |
| 30                  | Normal Voltage    | 0.0003                              | -0.8                                    | Yes                                         |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 10                  | Normal Voltage    | 0.0020                              | -5.3                                    | Yes                                         |        |
| 0                   | Normal Voltage    | 0.0022                              | 5.8                                     | Yes                                         |        |
| -10                 | Normal Voltage    | 0.0026                              | 6.8                                     | Yes                                         |        |
| -20                 | Normal Voltage    | 0.0046                              | -11.9                                   | Yes                                         |        |
| -30                 | Normal Voltage    | 0.0015                              | 3.8                                     | Yes                                         |        |
| 20                  | Maximum Voltage   | 0.0012                              | 3.2                                     | Yes                                         |        |
| 20                  | Normal Voltage    | 0.0000                              | 0                                       | Yes                                         |        |
| 20                  | Minimum Voltage   | 0.0015                              | -4                                      | Yes                                         |        |

**Note:**

1. Normal Voltage = 4 V. ; Minimum Voltage = 3.8 V. ; Maximum Voltage = 4.2 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;

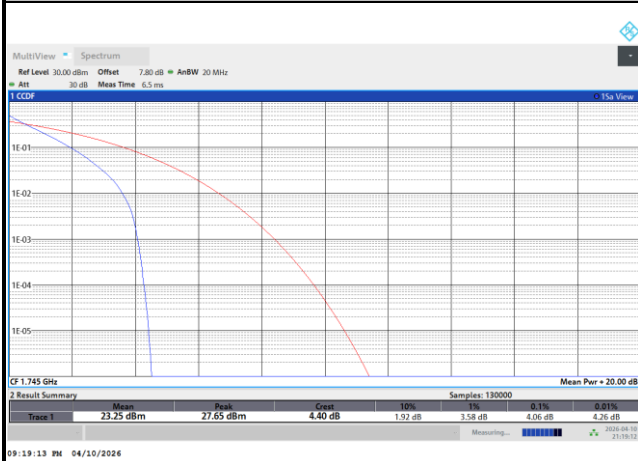
**Peak-to-Average Ratio**

| 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 | 4.06                         | 4.48    | 5.44    | 5.82    | <b>PASS</b> |
| Mode      | FR1 n66 / 20MHz / DFT-S OFDM |         |         |         |             |
| Mod.      | 256QAM                       |         |         |         | Limit: 13dB |
| RB Size   | Full RB                      |         |         |         | Result      |
| Middle CH | 6.62                         |         |         |         | <b>PASS</b> |

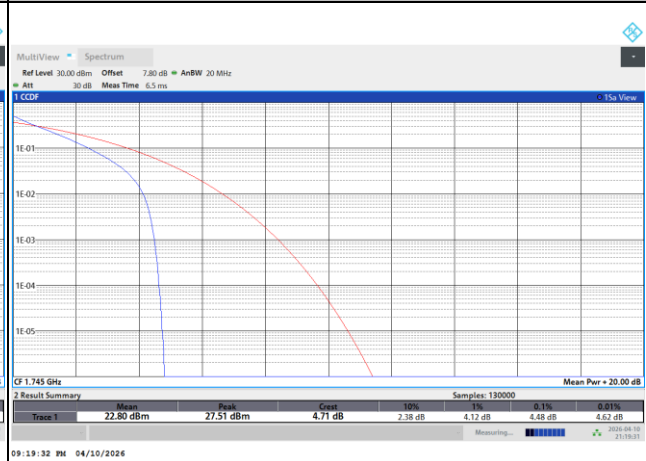


## FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

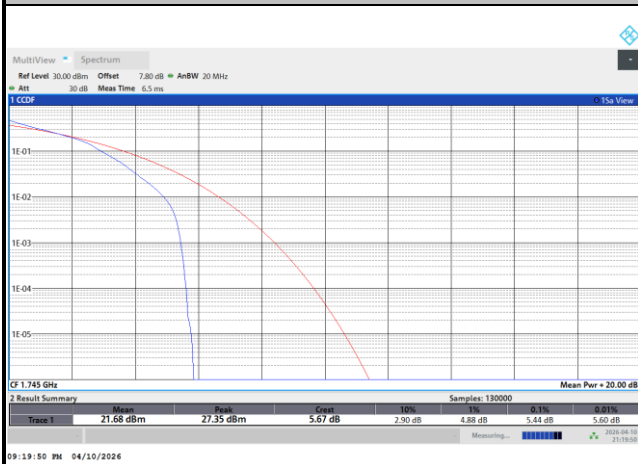
## PI/2 BPSK



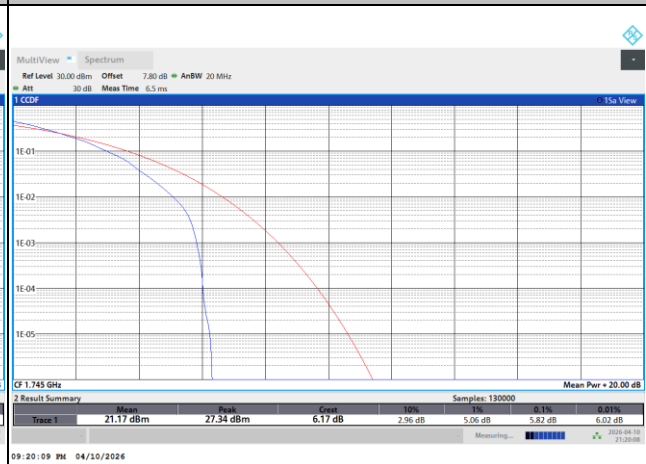
## QPSK



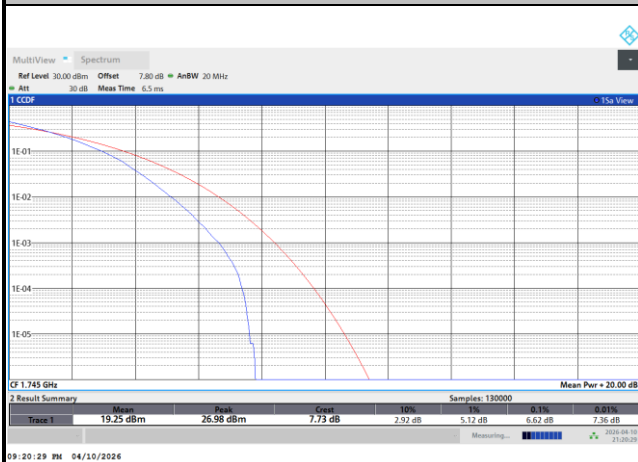
## 16QAM



## 64QAM



## 256QAM



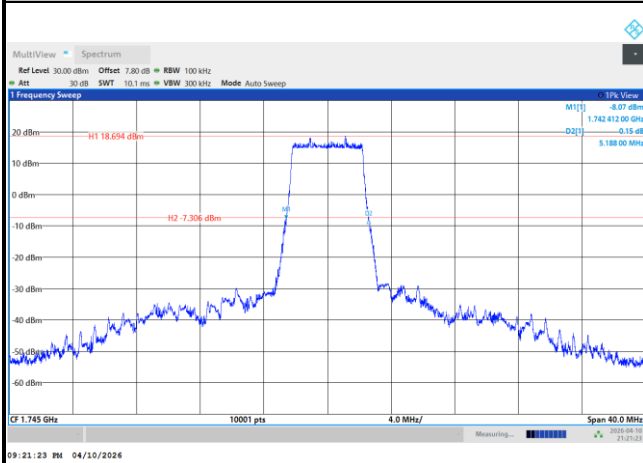
**26dB Bandwidth**

| 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 | 5.18                                | 5.20  | 9.89      | 9.92  | 14.55     | 14.59 | 19.38     | 19.37 |
| Mod.      | 16QAM                               |       | 16QAM     |       | 16QAM     |       | 16QAM     |       |
| Middle CH | 5.22                                |       | 9.93      |       | 14.56     |       | 19.36     |       |
| BW        | 25MHz                               |       | 30MHz     |       | 40MHz     |       |           |       |
| Mod.      | PI/2 BPSK                           | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |           |       |
| Middle CH | 24.33                               | 24.52 | 31.04     | 31.12 | 41.01     | 41.10 |           |       |
| Mod.      | 16QAM                               |       | 16QAM     |       | 16QAM     |       |           |       |
| Middle CH | 24.40                               |       | 31.15     |       | 41.14     |       |           |       |

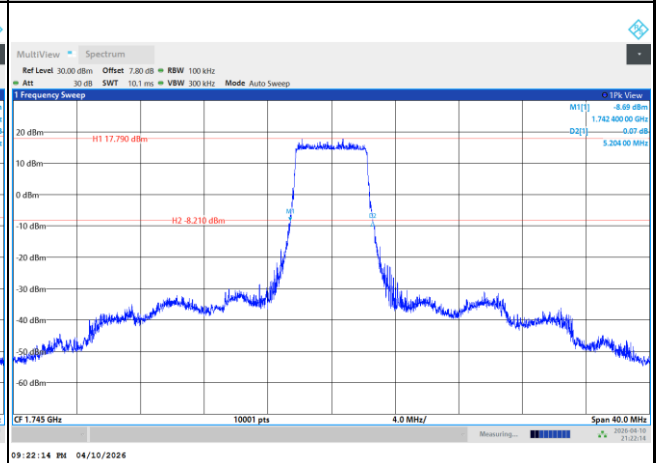


FR1 n66 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

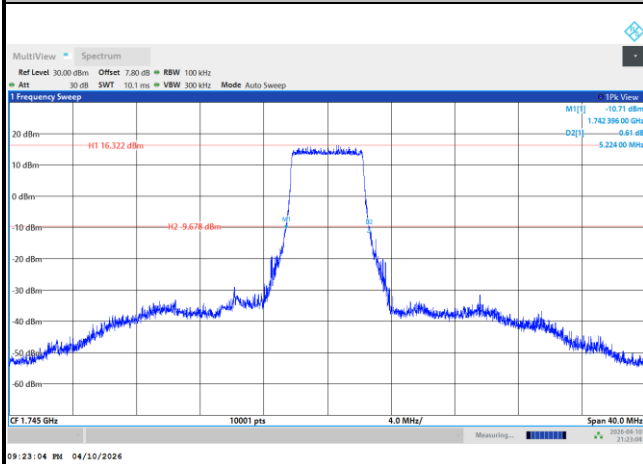
PI/2 BPSK



QPSK



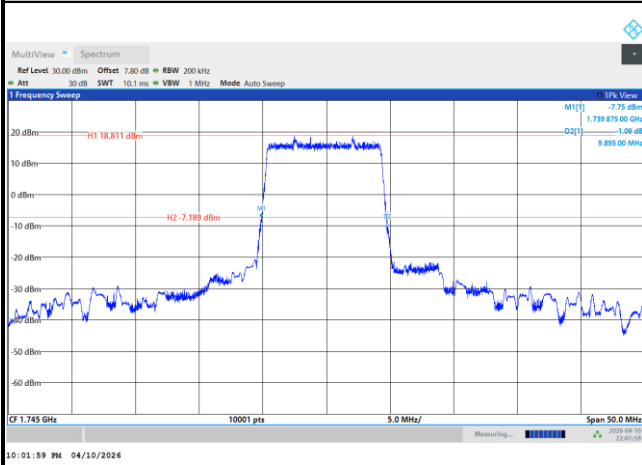
16QAM



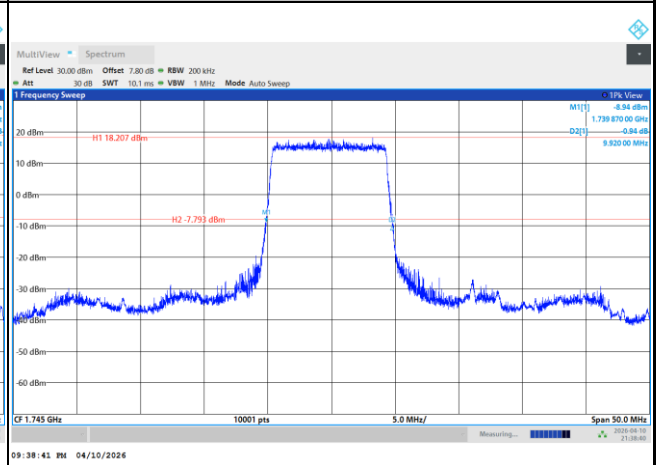


FR1 n66 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

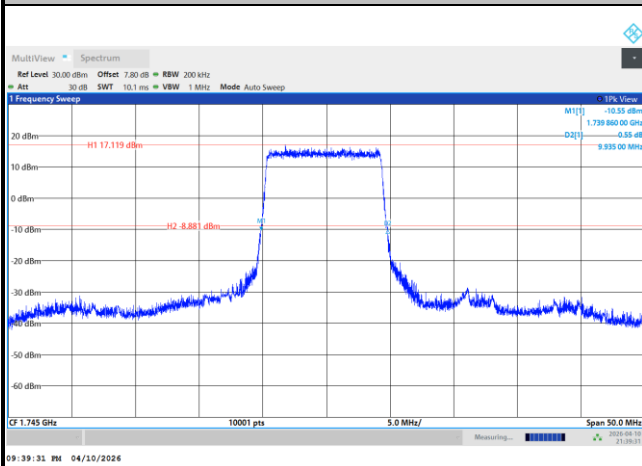
PI/2 BPSK



QPSK



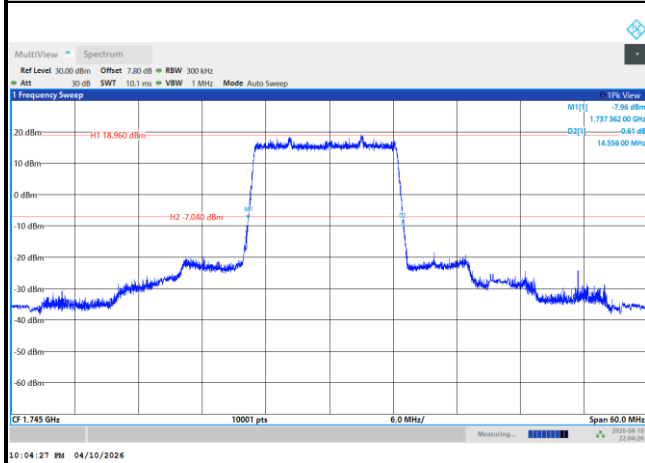
16QAM



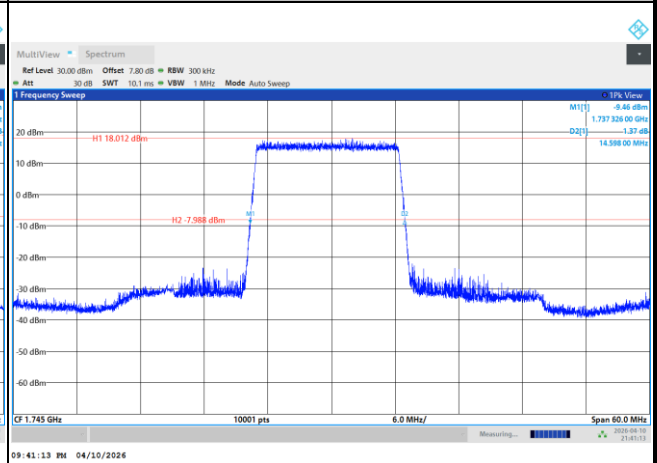


## FR1 n66 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

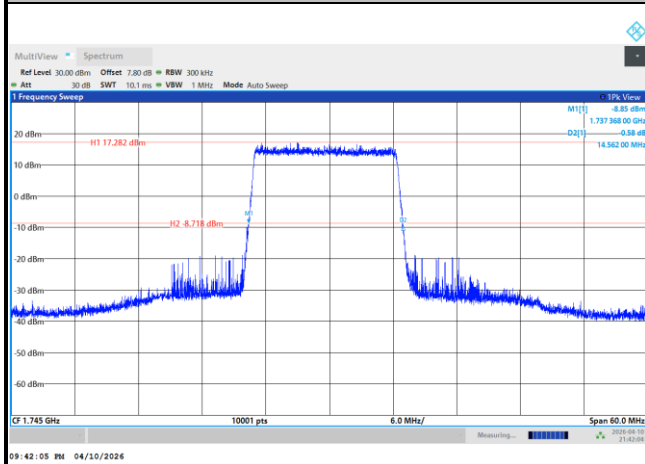
## PI/2 BPSK



## QPSK



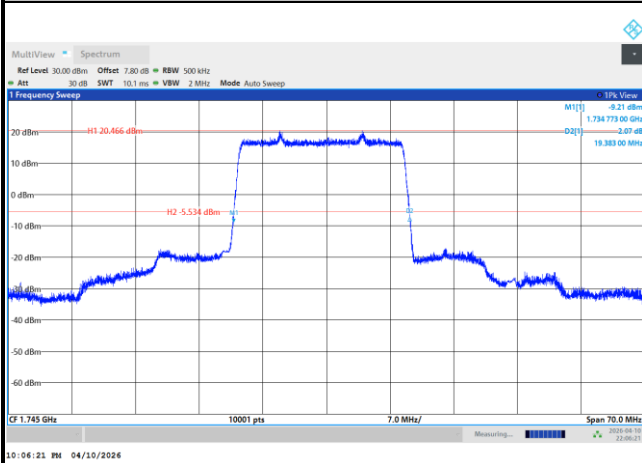
## 16QAM



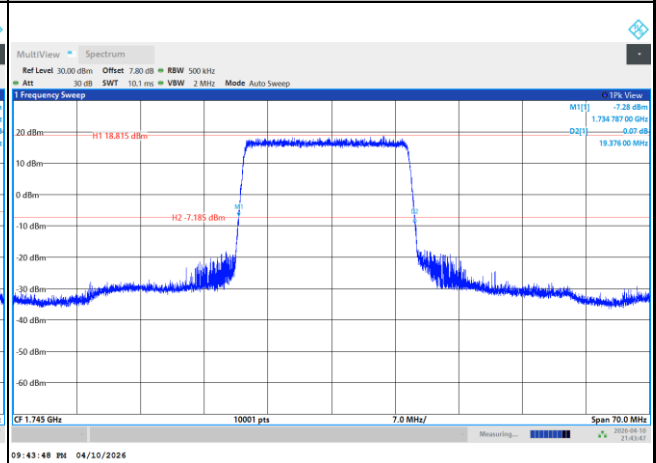


## FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

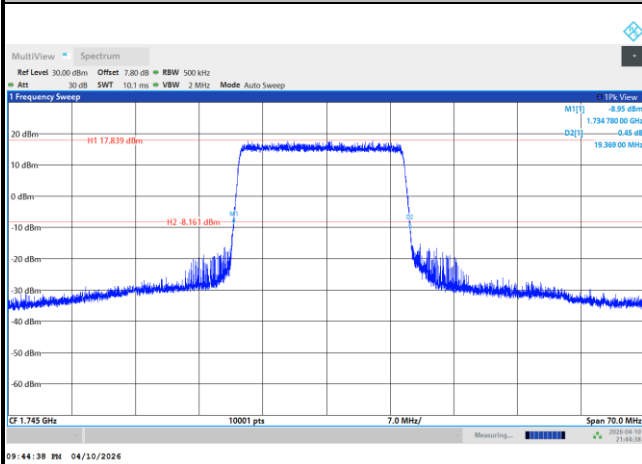
## PI/2 BPSK

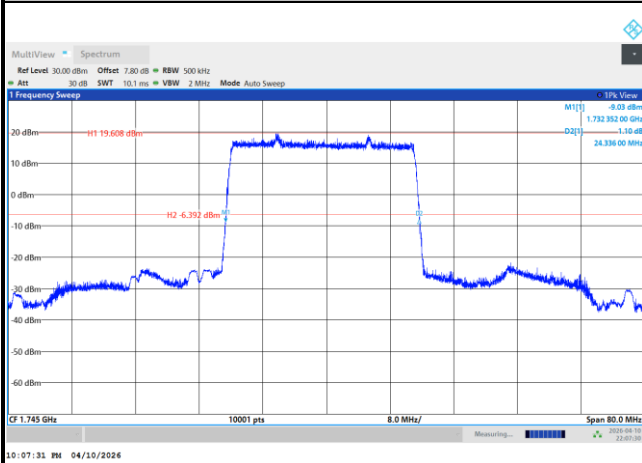


## QPSK

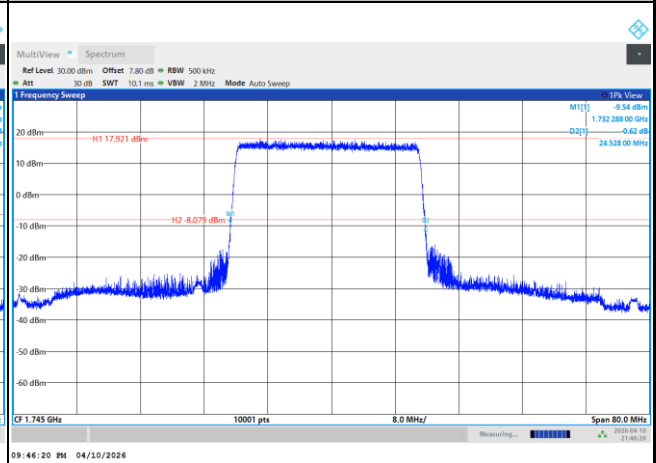


## 16QAM

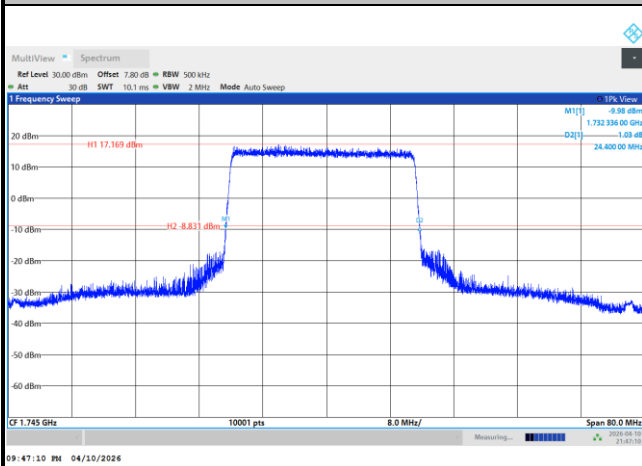


**FR1 n66 / 25MHz / DFT-S OFDM / Middle Channel / Full RB****PI/2 BPSK**

## QPSK



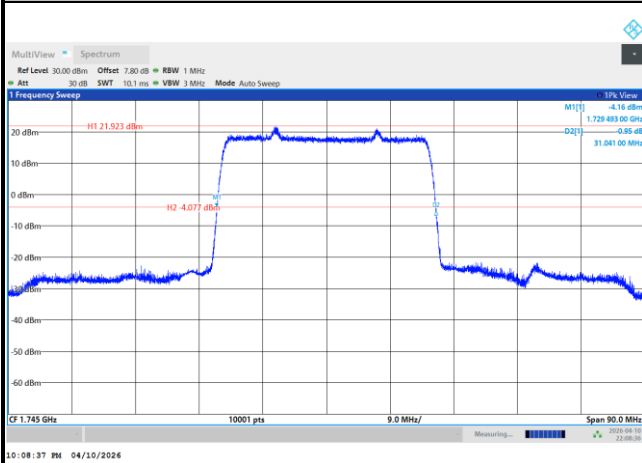
## 16QAM



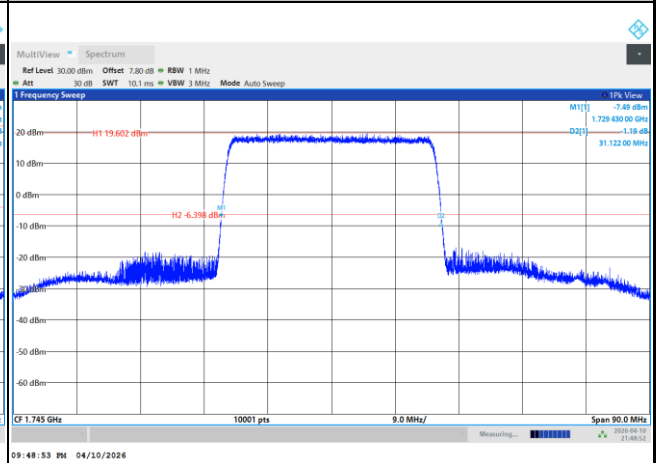


FR1 n66 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

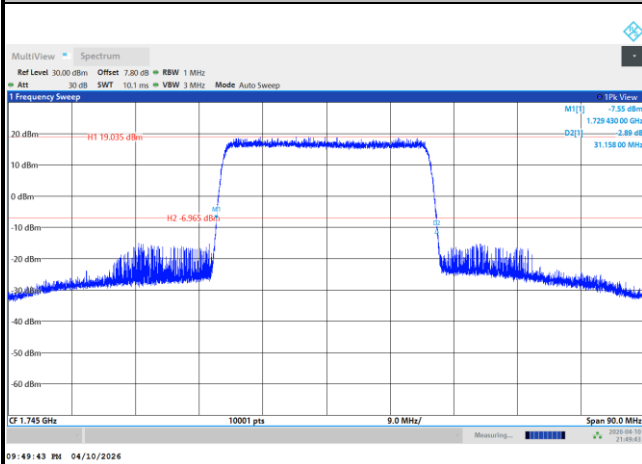
PI/2 BPSK



QPSK



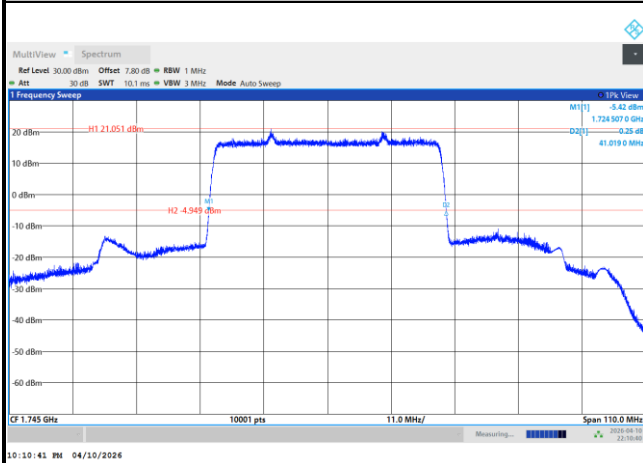
16QAM



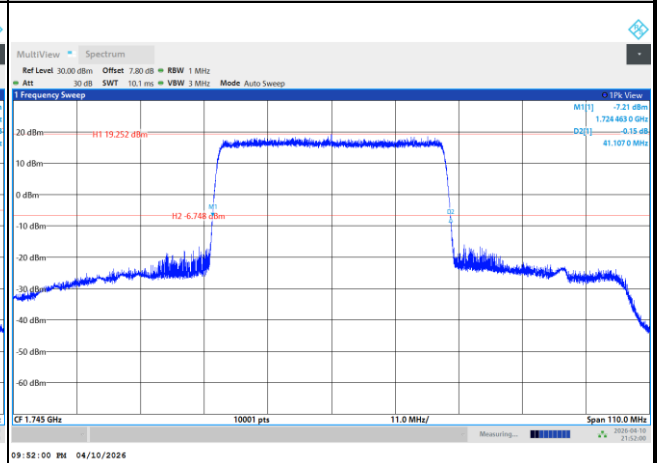


FR1 n66 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

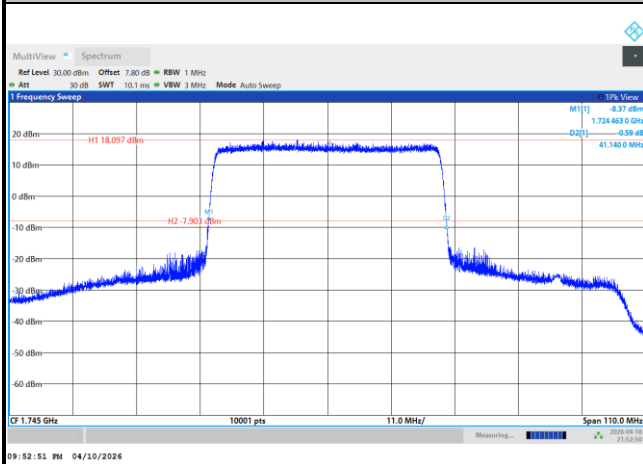
PI/2 BPSK



QPSK



16QAM



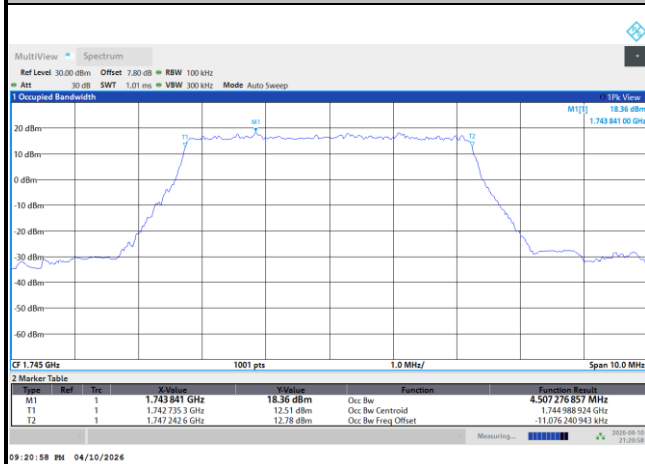
**Occupied Bandwidth**

| 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 | 4.50                               | 4.51  | 8.99      | 8.98  | 13.48     | 13.50 | 18.04     | 18.03 |
| Mod.      | 16QAM                              |       | 16QAM     |       | 16QAM     |       | 16QAM     |       |
| Middle CH | 4.52                               |       | 9.00      |       | 13.48     |       | 18.02     |       |
| BW        | 25MHz                              |       | 30MHz     |       | 40MHz     |       |           |       |
| Mod.      | PI/2 BPSK                          | QPSK  | PI/2 BPSK | QPSK  | PI/2 BPSK | QPSK  |           |       |
| Middle CH | 23.00                              | 22.96 | 28.98     | 28.97 | 38.83     | 38.86 |           |       |
| Mod.      | 16QAM                              |       | 16QAM     |       | 16QAM     |       |           |       |
| Middle CH | 22.95                              |       | 28.91     |       | 38.81     |       |           |       |

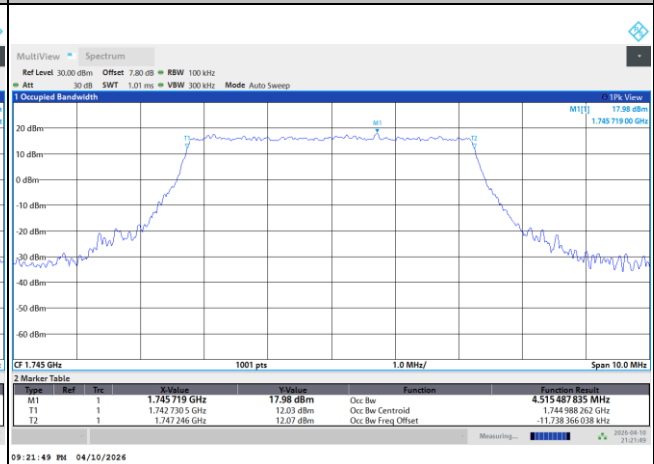


## FR1 n66 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

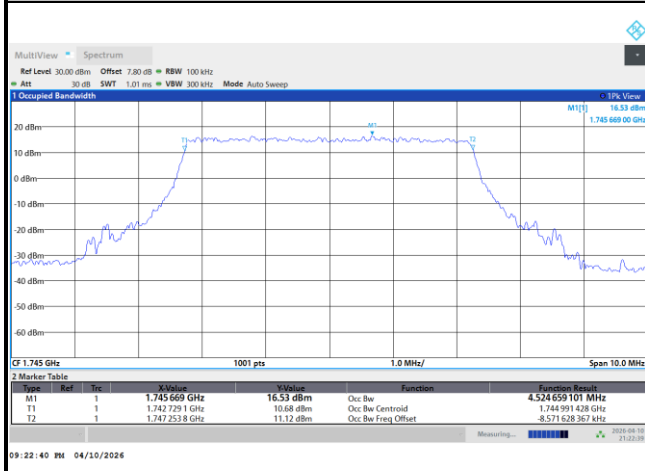
## PI/2 BPSK



## QPSK



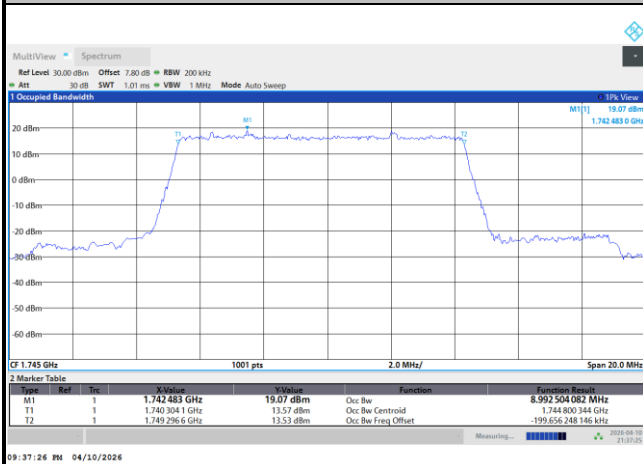
## 16QAM





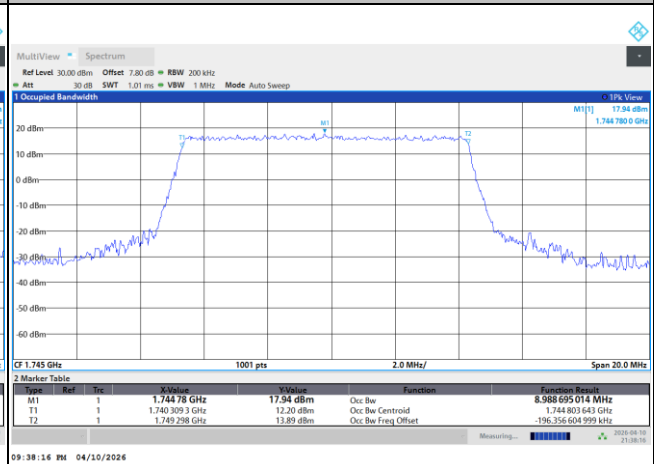
## FR1 n66 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



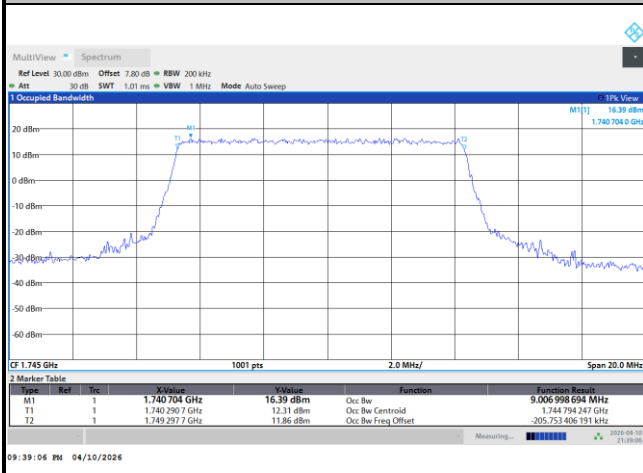
09:37:26 PM 04/10/2026

## QPSK



09:38:16 PM 04/10/2026

## 16QAM

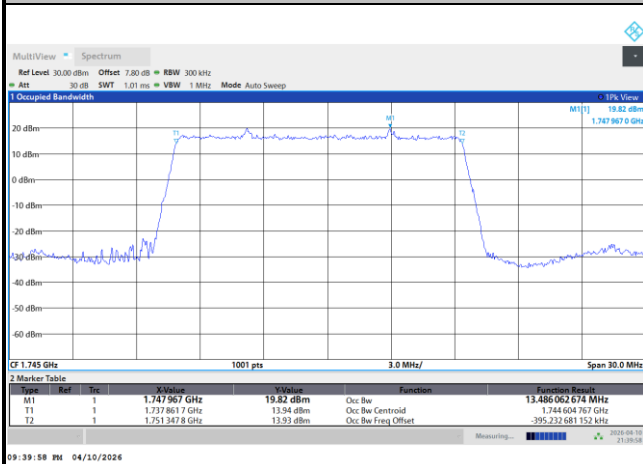


09:39:06 PM 04/10/2026

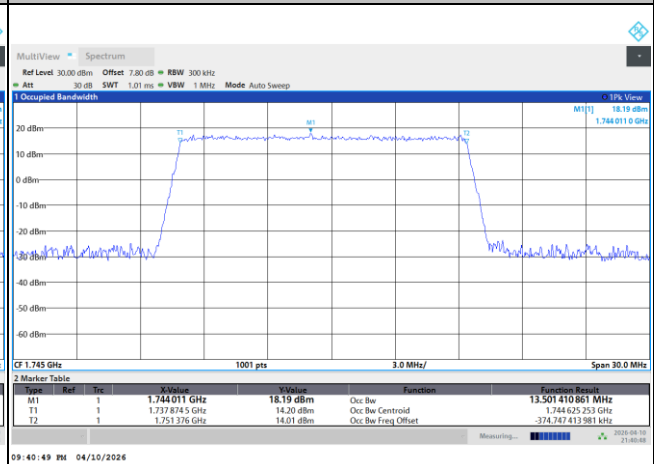


## FR1 n66 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

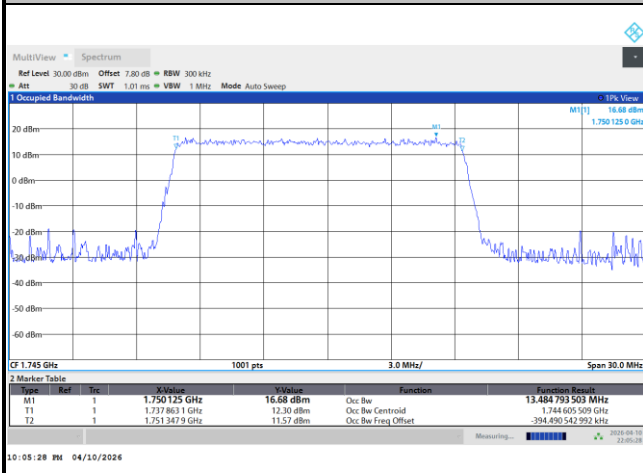
## PI/2 BPSK



## QPSK



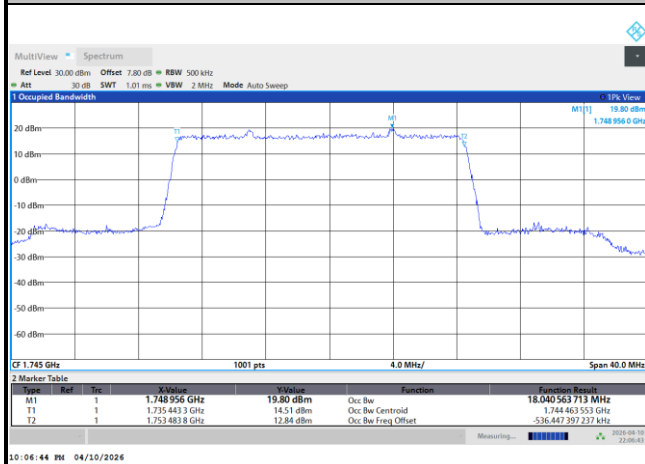
## 16QAM



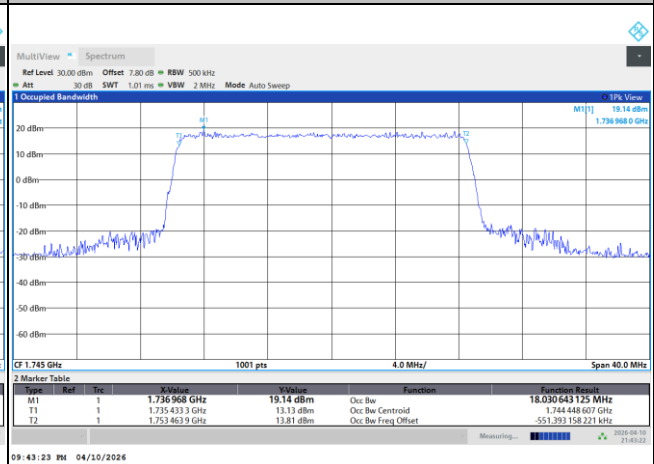


## FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

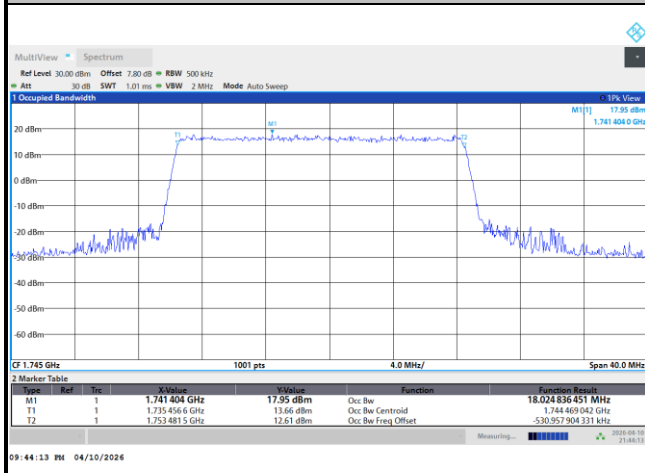
## PI/2 BPSK



## QPSK



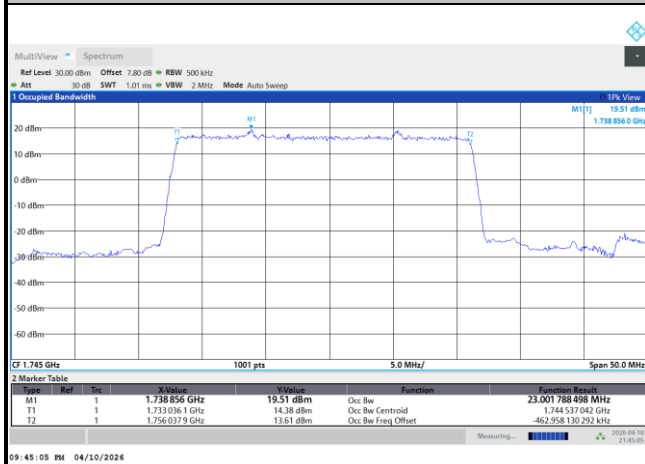
## 16QAM





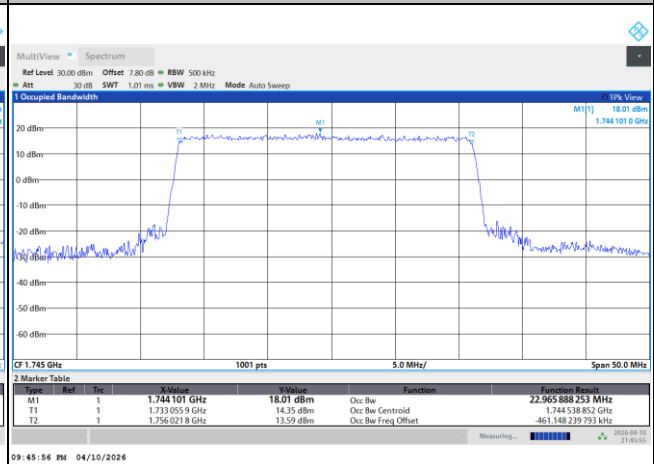
## FR1 n66 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



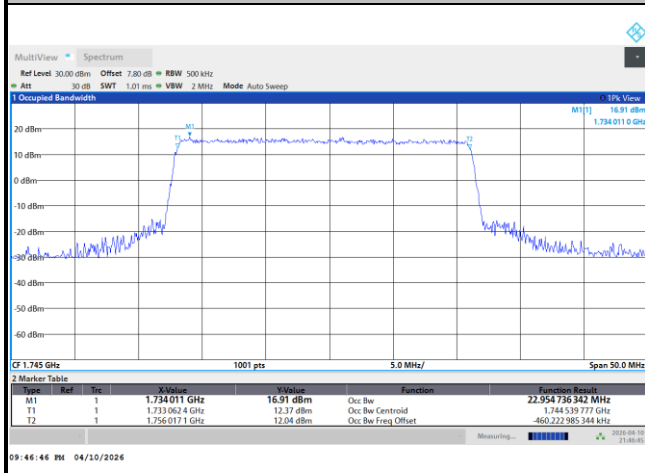
09:45:05 PM 04/10/2026

## QPSK



09:45:56 PM 04/10/2026

## 16QAM

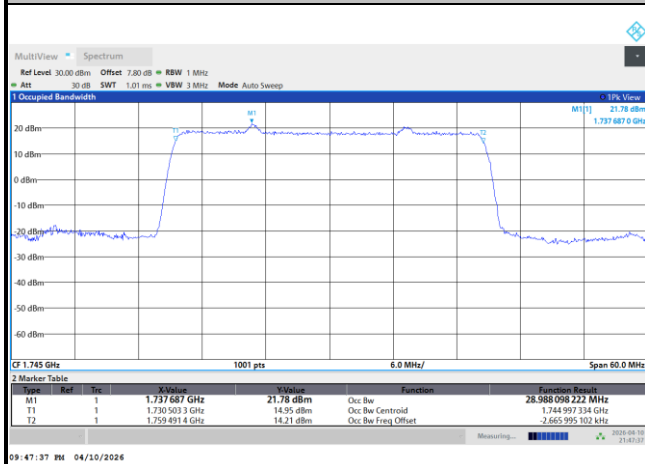


09:46:46 PM 04/10/2026



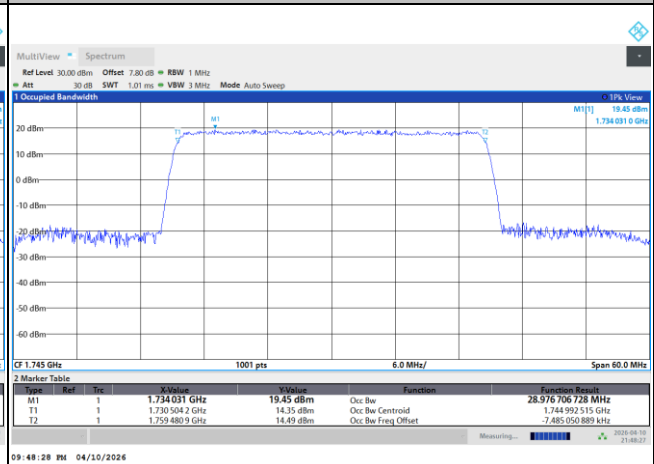
## FR1 n66 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK



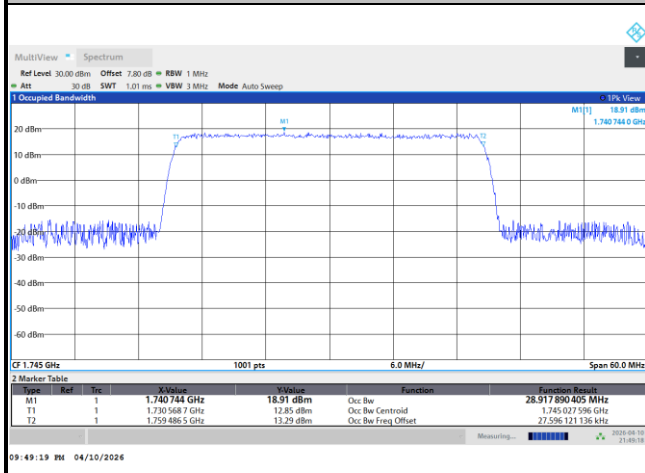
09:47:37 PM 04/10/2026

## QPSK



09:48:28 PM 04/10/2026

## 16QAM



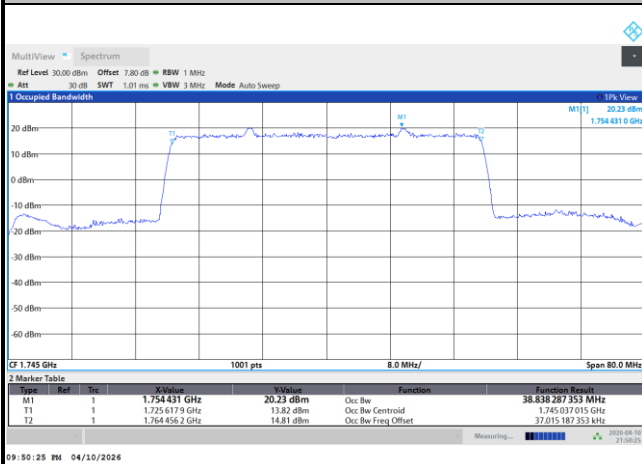
09:49:19 PM 04/10/2026



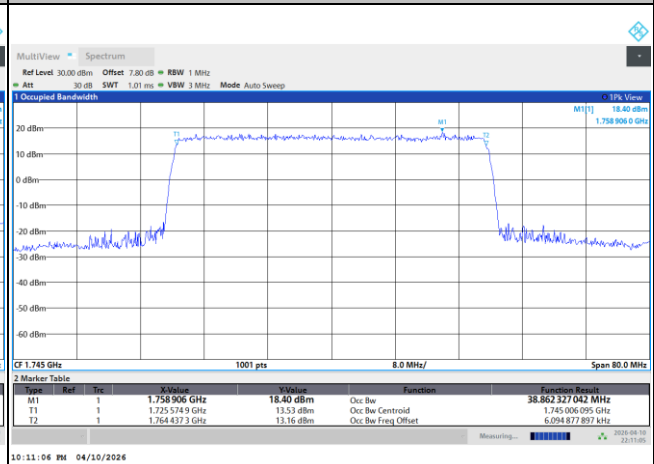
## FR1 n66 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

## PI/2 BPSK

## QPSK

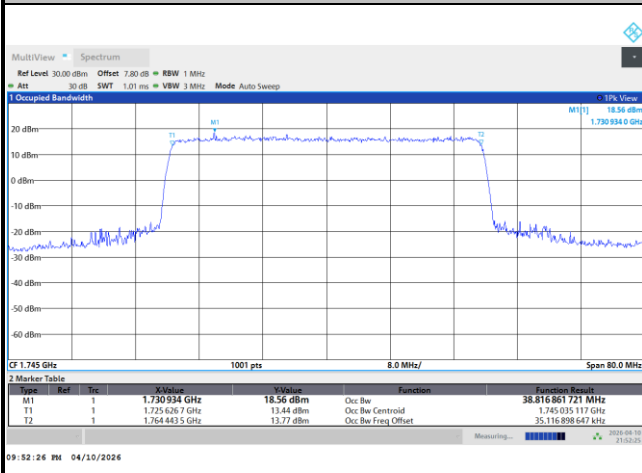


09:50:25 PM 04/10/2026



10:11:06 PM 04/10/2026

## 16QAM



09:52:26 PM 04/10/2026

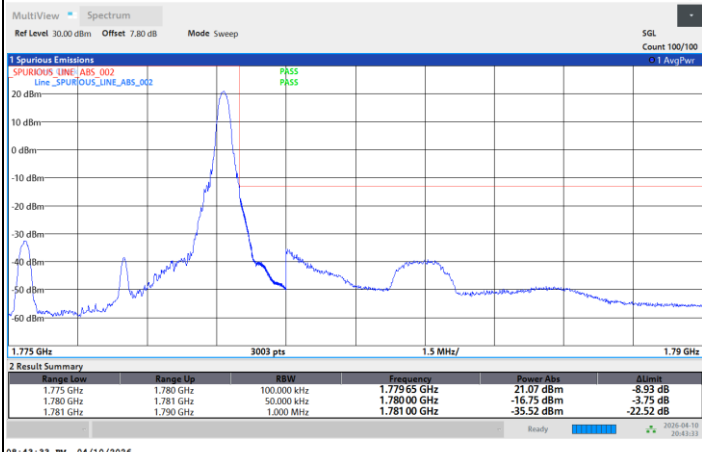
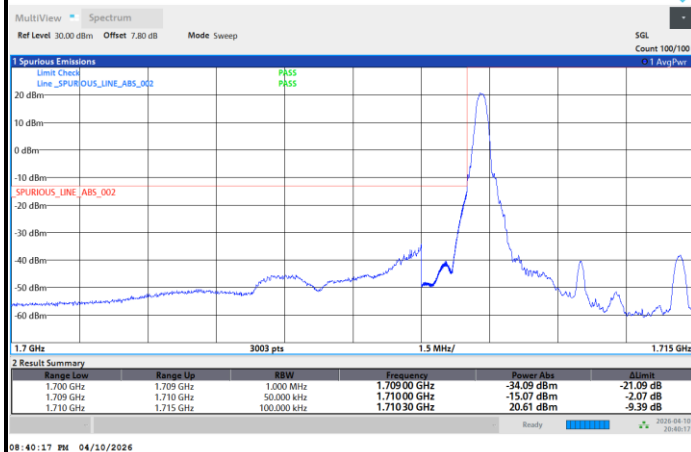


## Conducted Band Edge

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

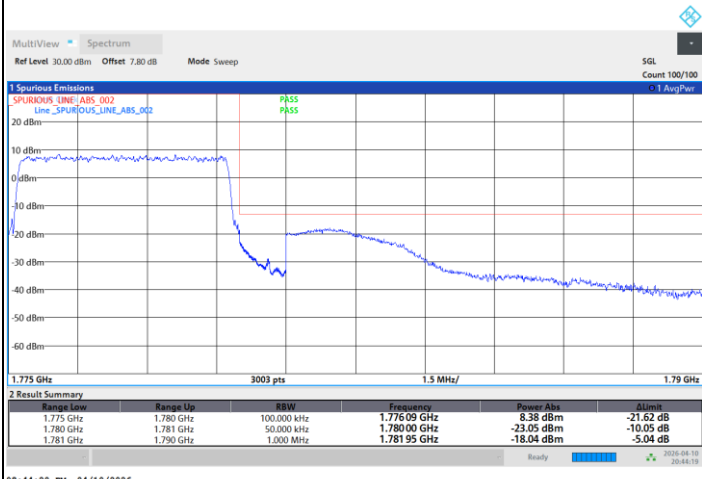
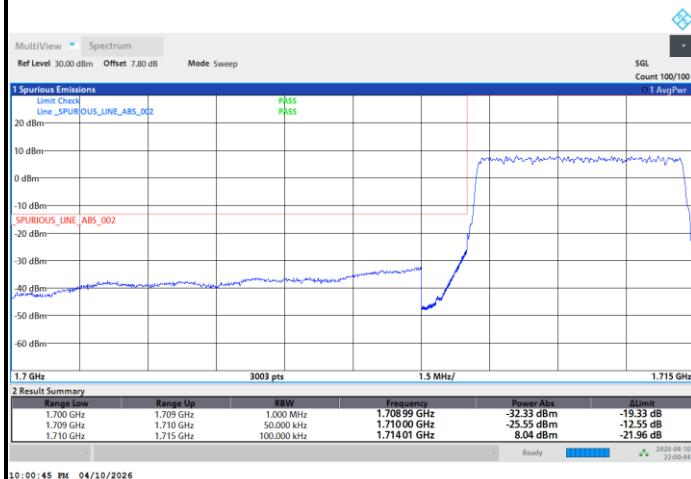
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

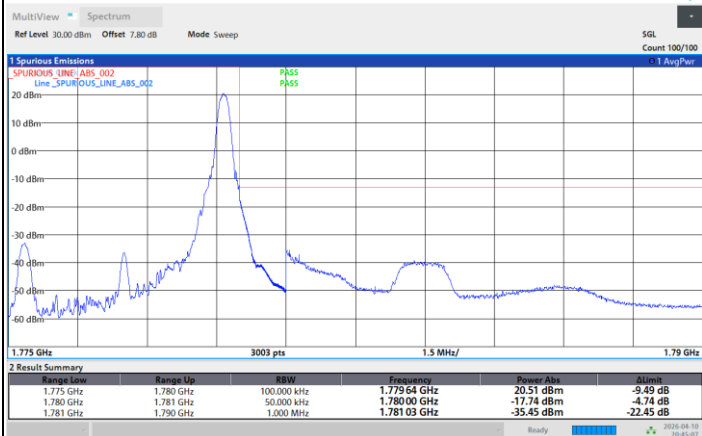
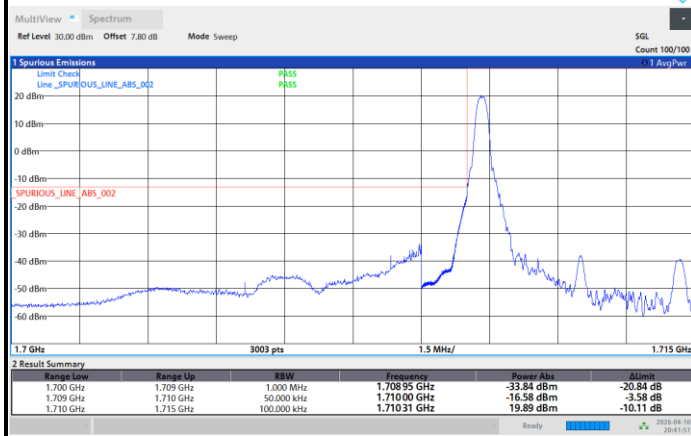




## FR1 n66 / 5MHz / DFT-S OFDM / QPSK

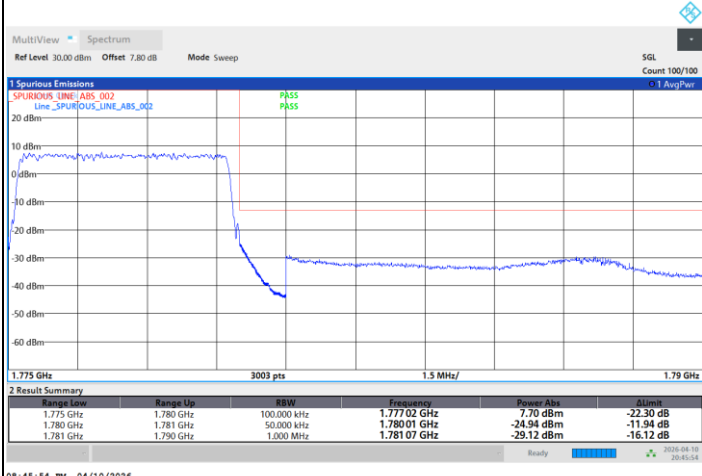
## Lowest Band Edge / 1RB0

## Highest Band Edge / 1RBmax



## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

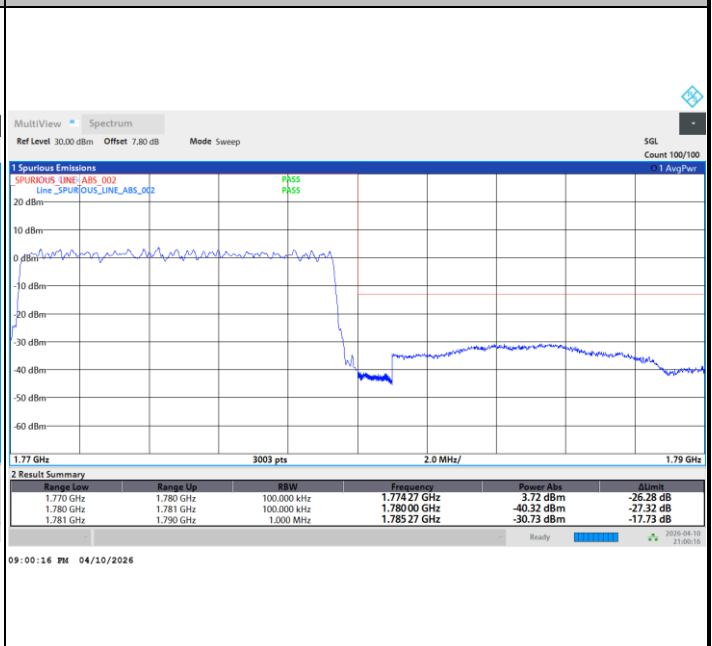
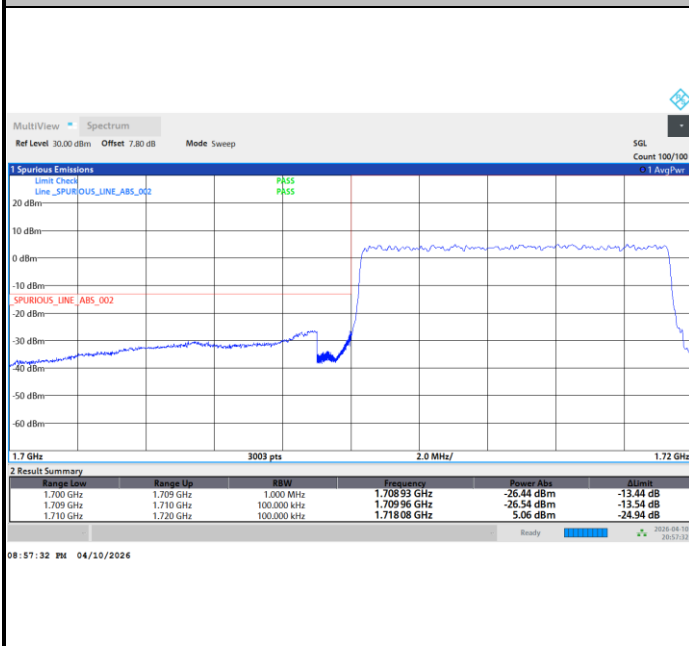




## FR1 n66 / 10MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

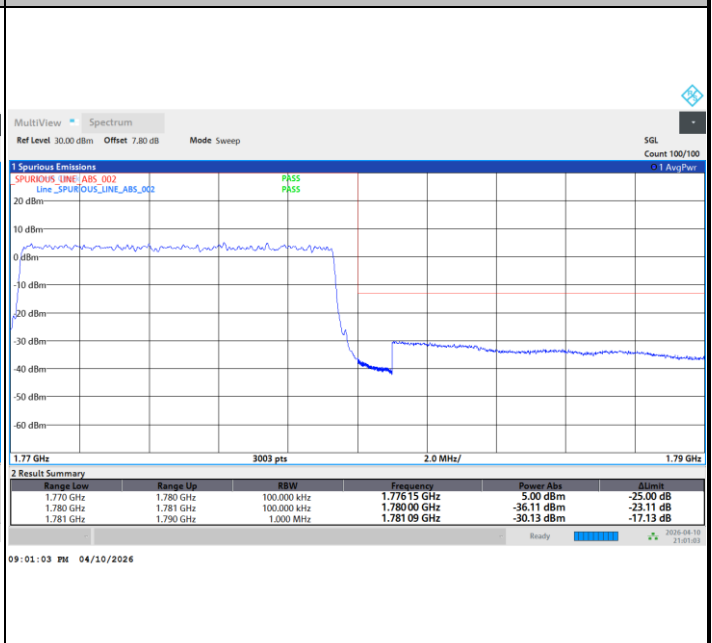
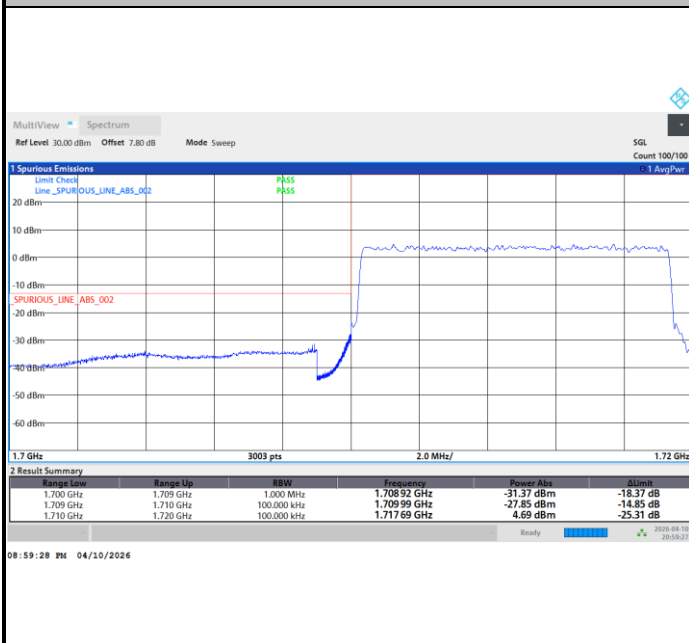
## Highest Band Edge / Full RB



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

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

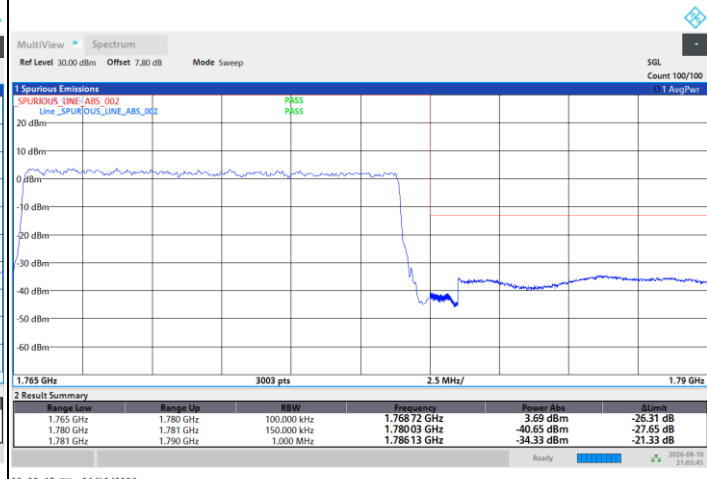
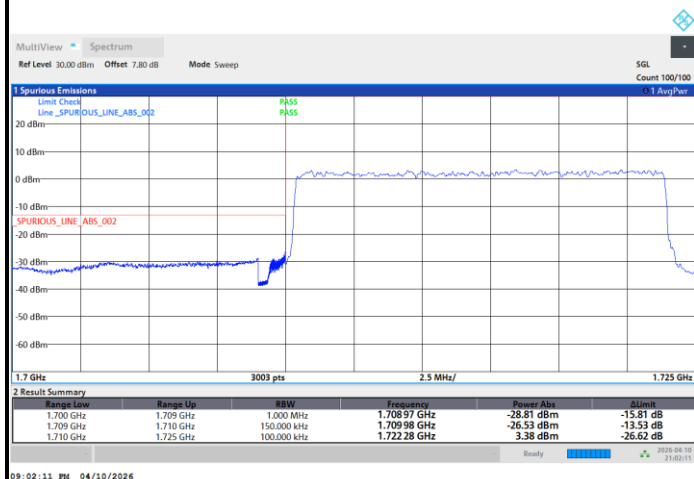




## FR1 n66 / 15MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

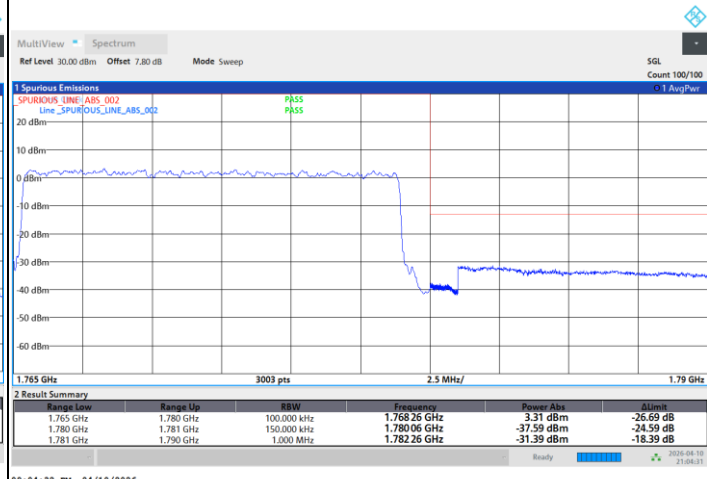
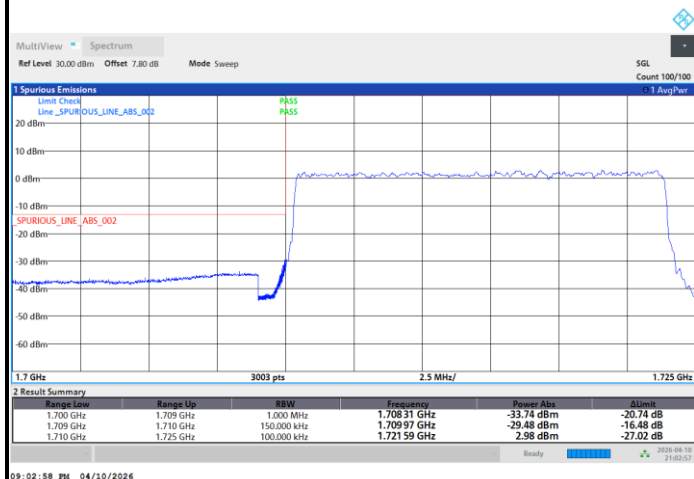
## Highest Band Edge / Full RB



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

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

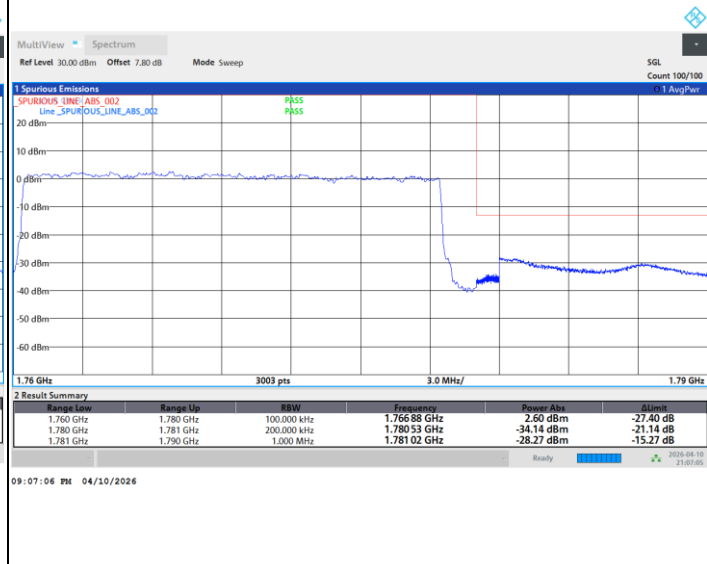
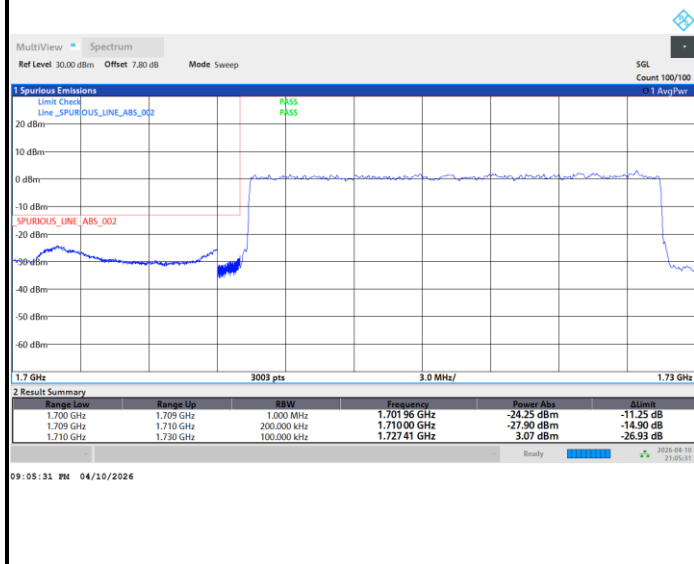




## FR1 n66 / 20MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

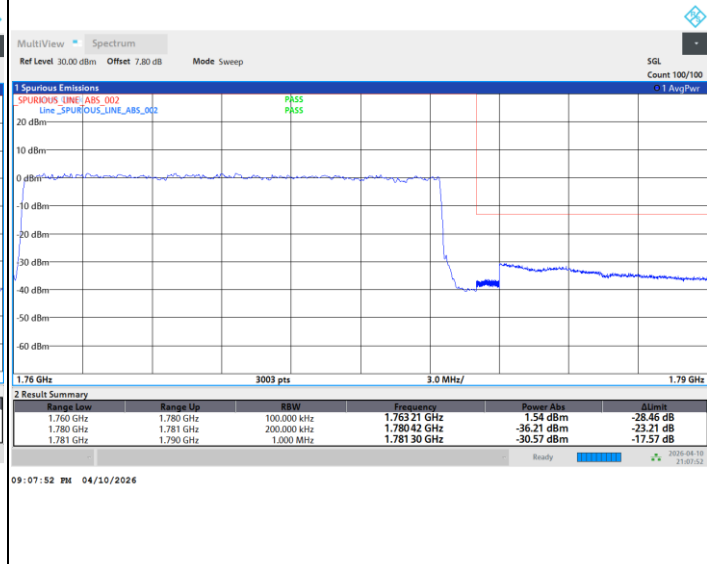
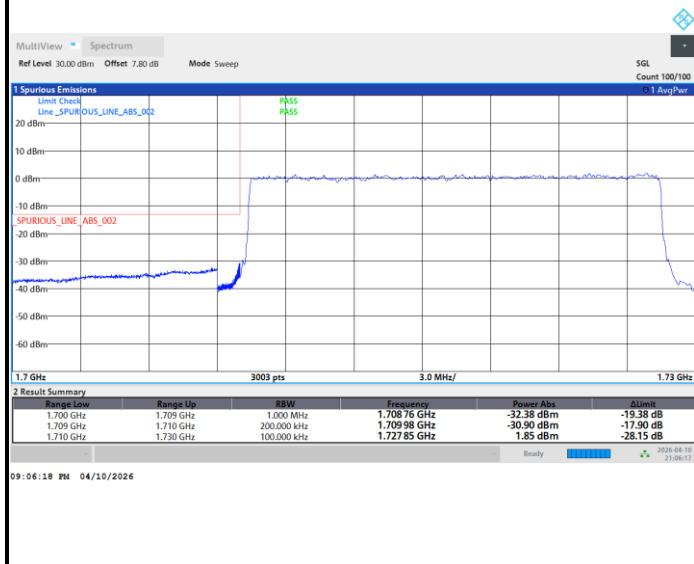
## Highest Band Edge / Full RB



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

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

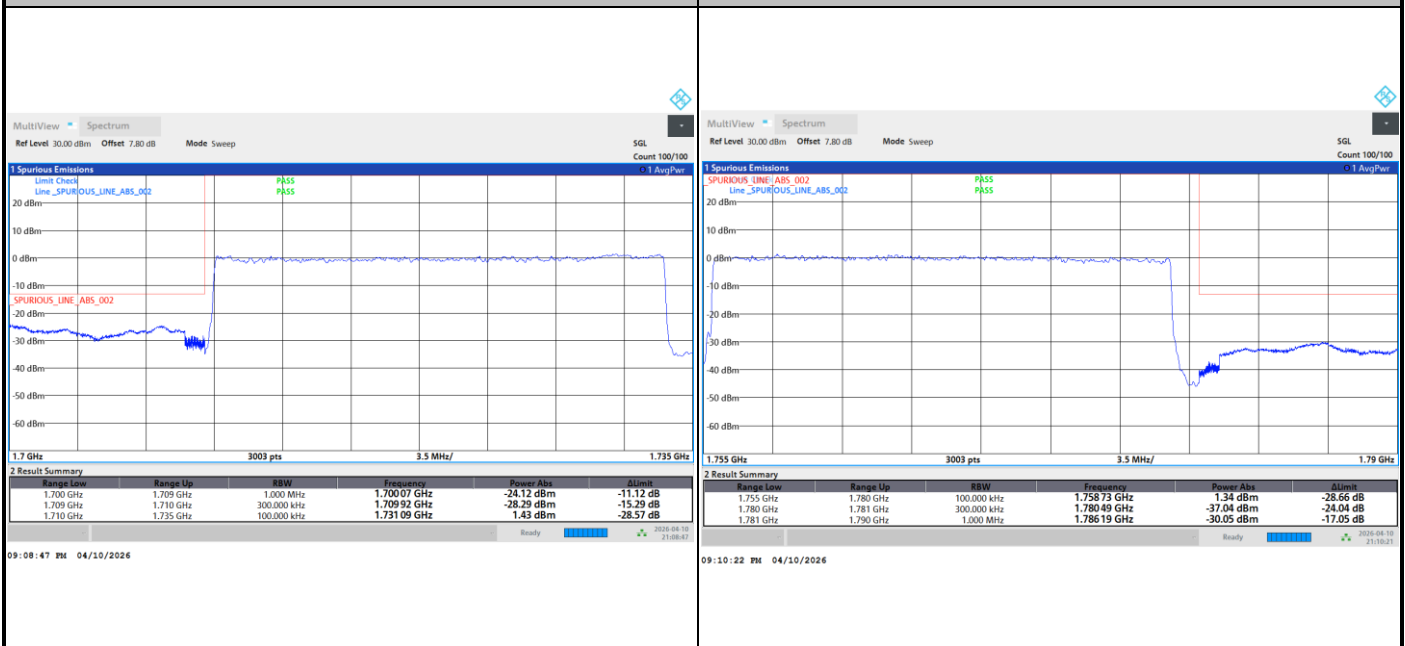




## FR1 n66 / 25MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

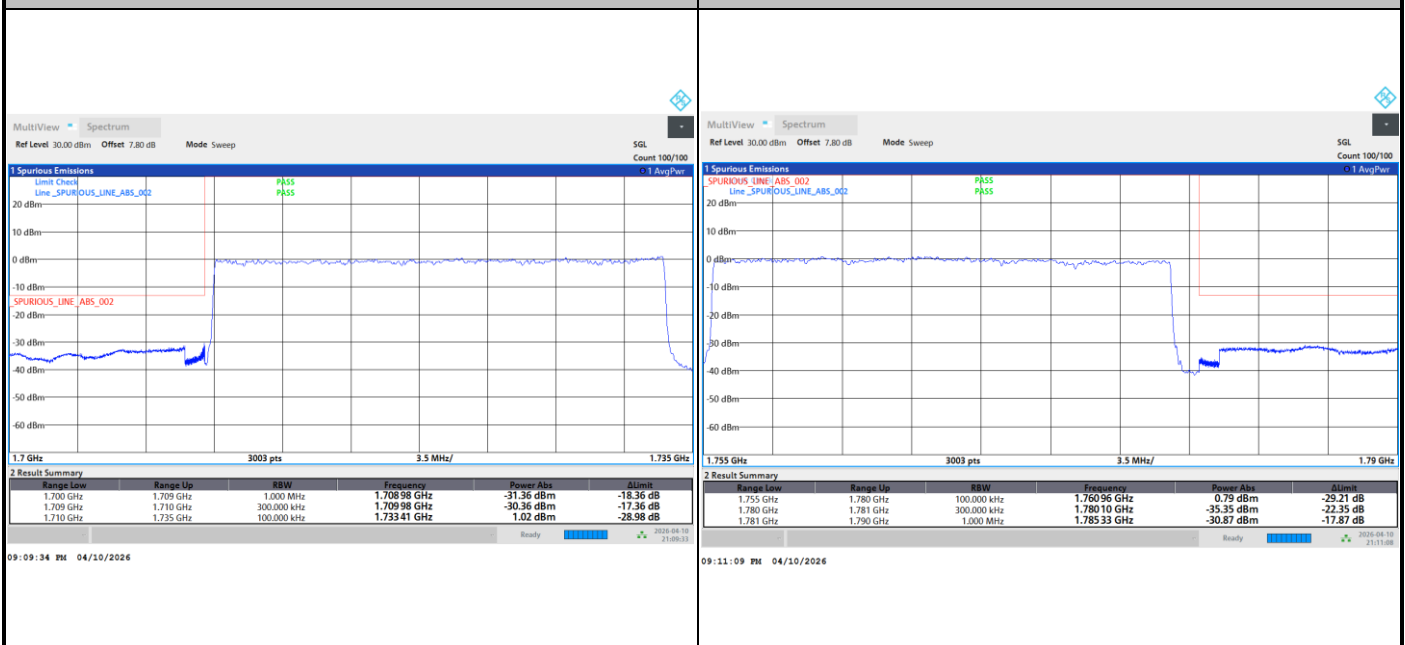
## Highest Band Edge / Full RB



## FR1 n66 / 25MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

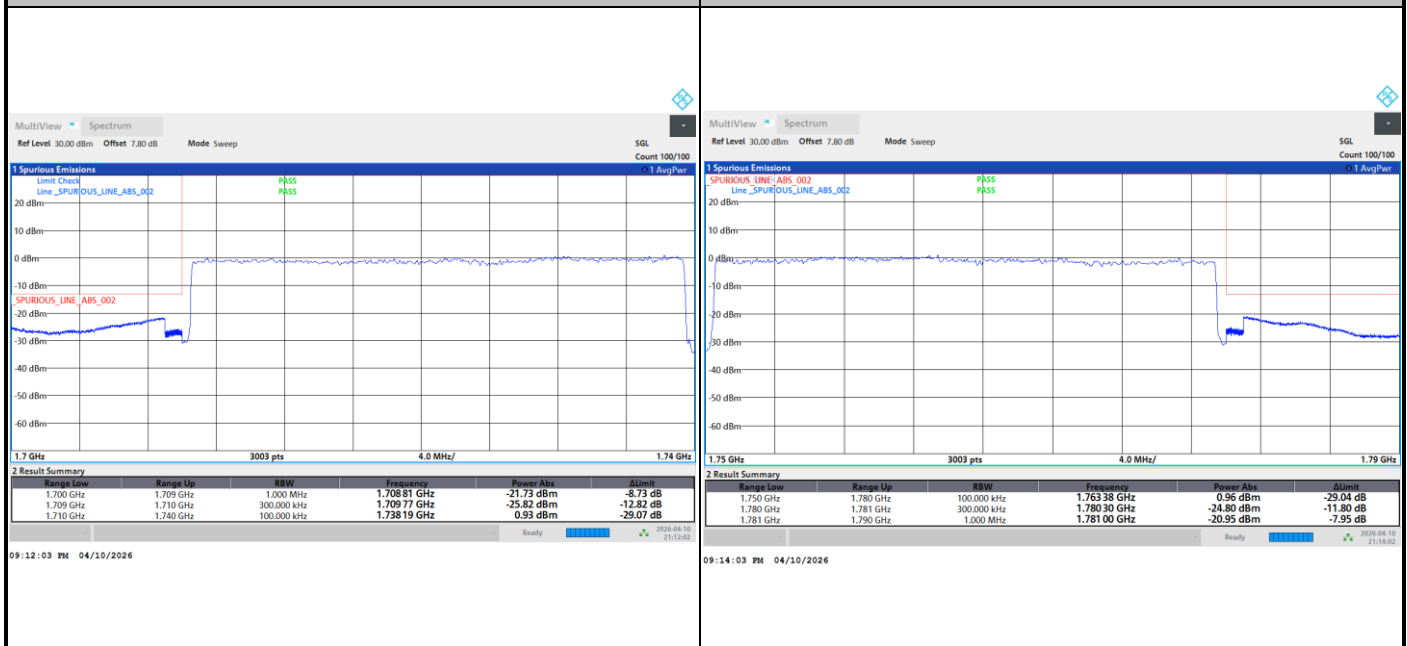




## FR1 n66 / 30MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

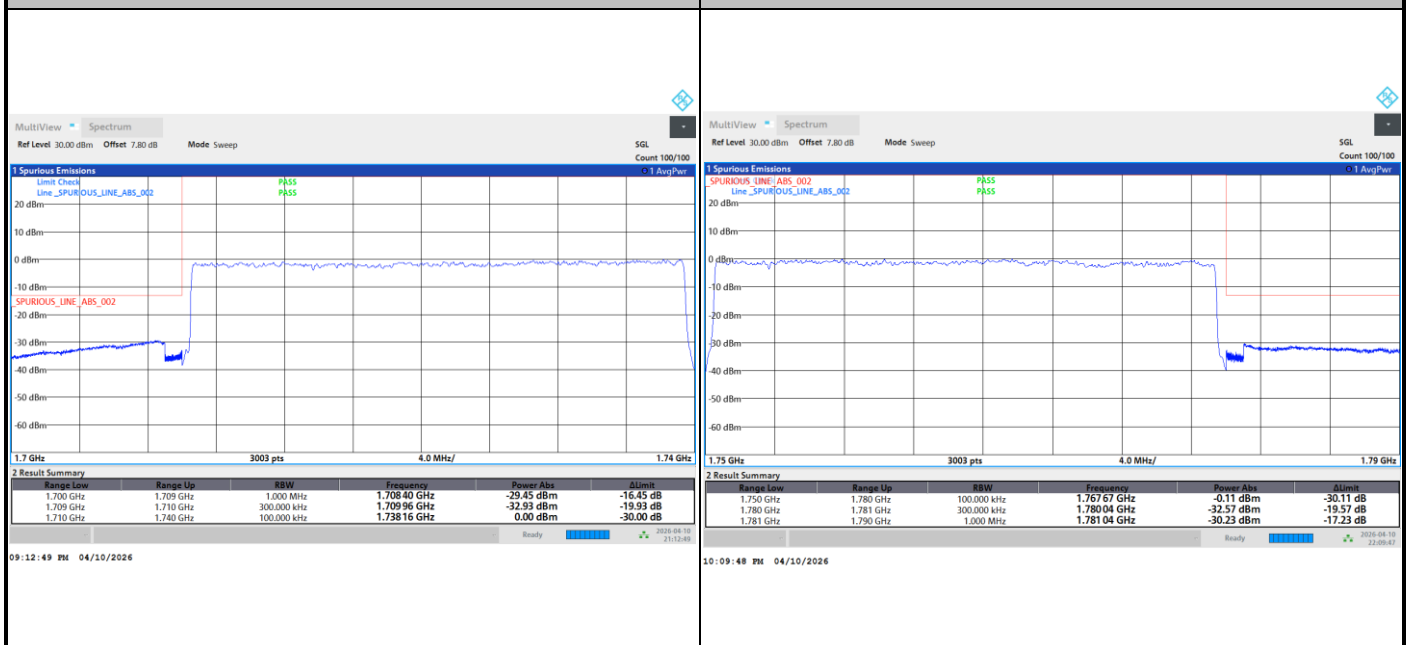
## Highest Band Edge / Full RB



## FR1 n66 / 30MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB

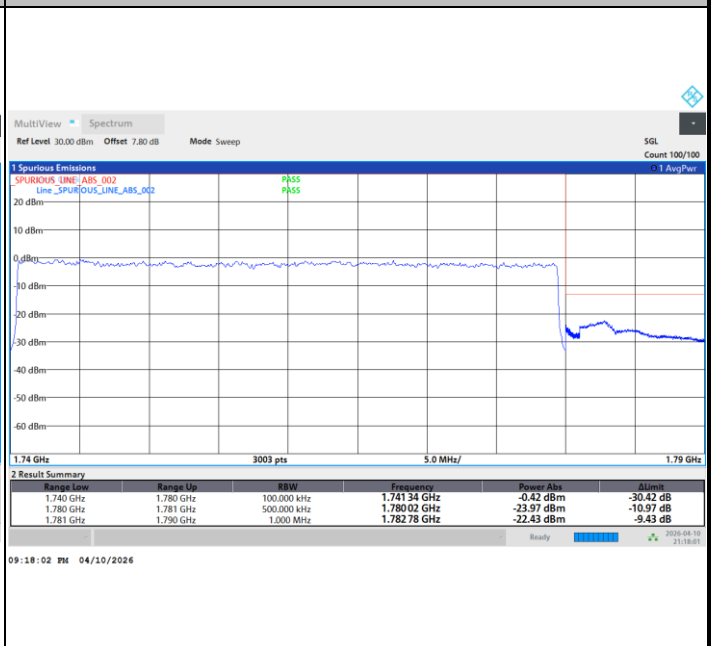
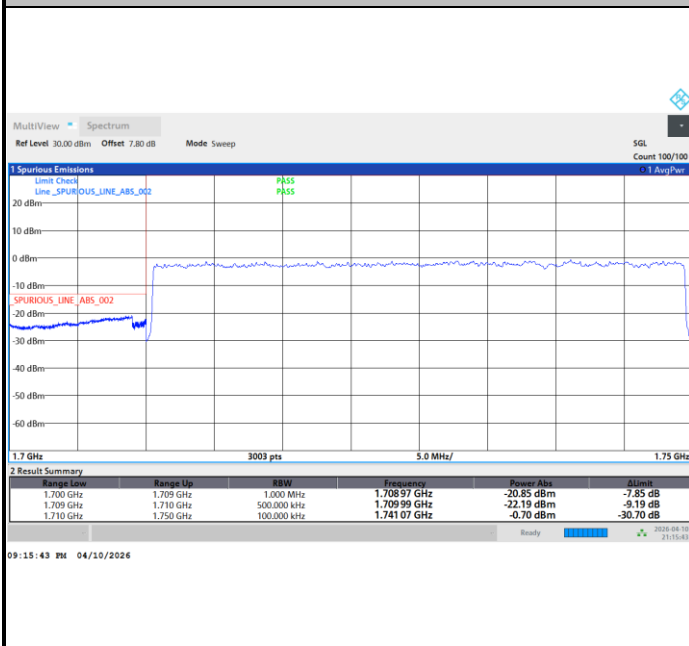




## FR1 n66 / 40MHz / DFT-S OFDM / PI/2 BPSK

## Lowest Band Edge / Full RB

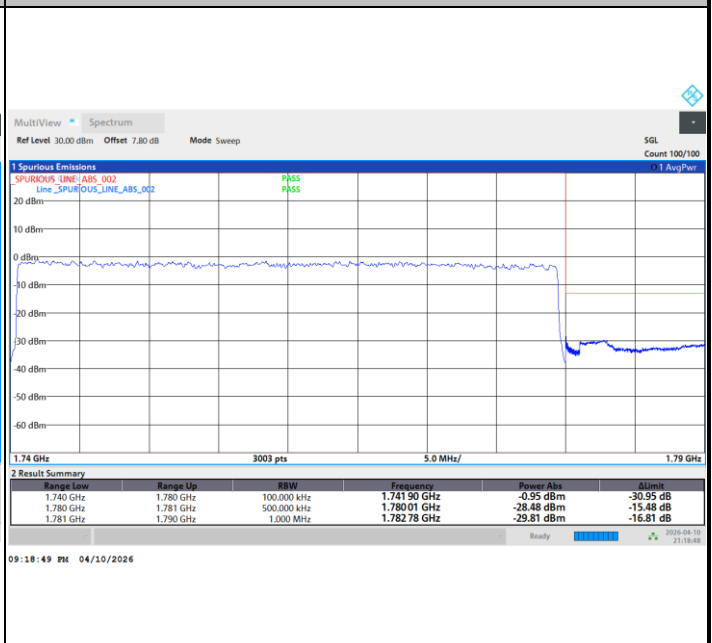
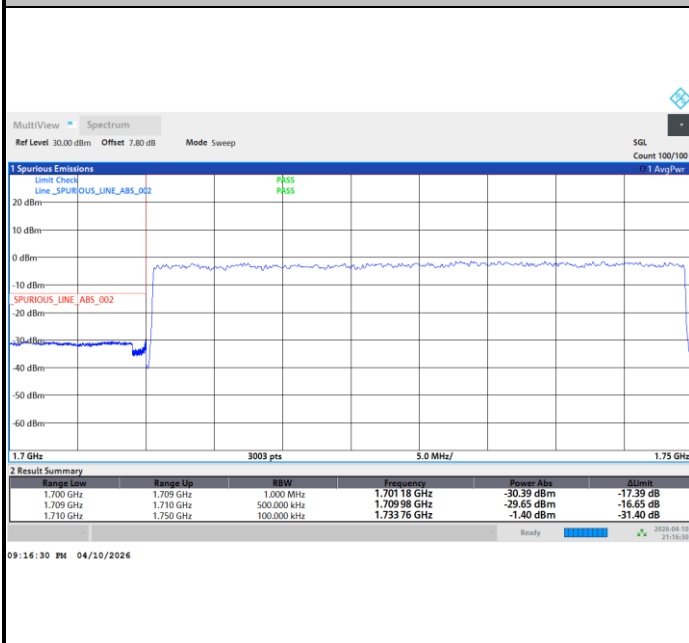
## Highest Band Edge / Full RB



## FR1 n66 / 40MHz / DFT-S OFDM / QPSK

## Lowest Band Edge / Full RB

## Highest Band Edge / Full RB



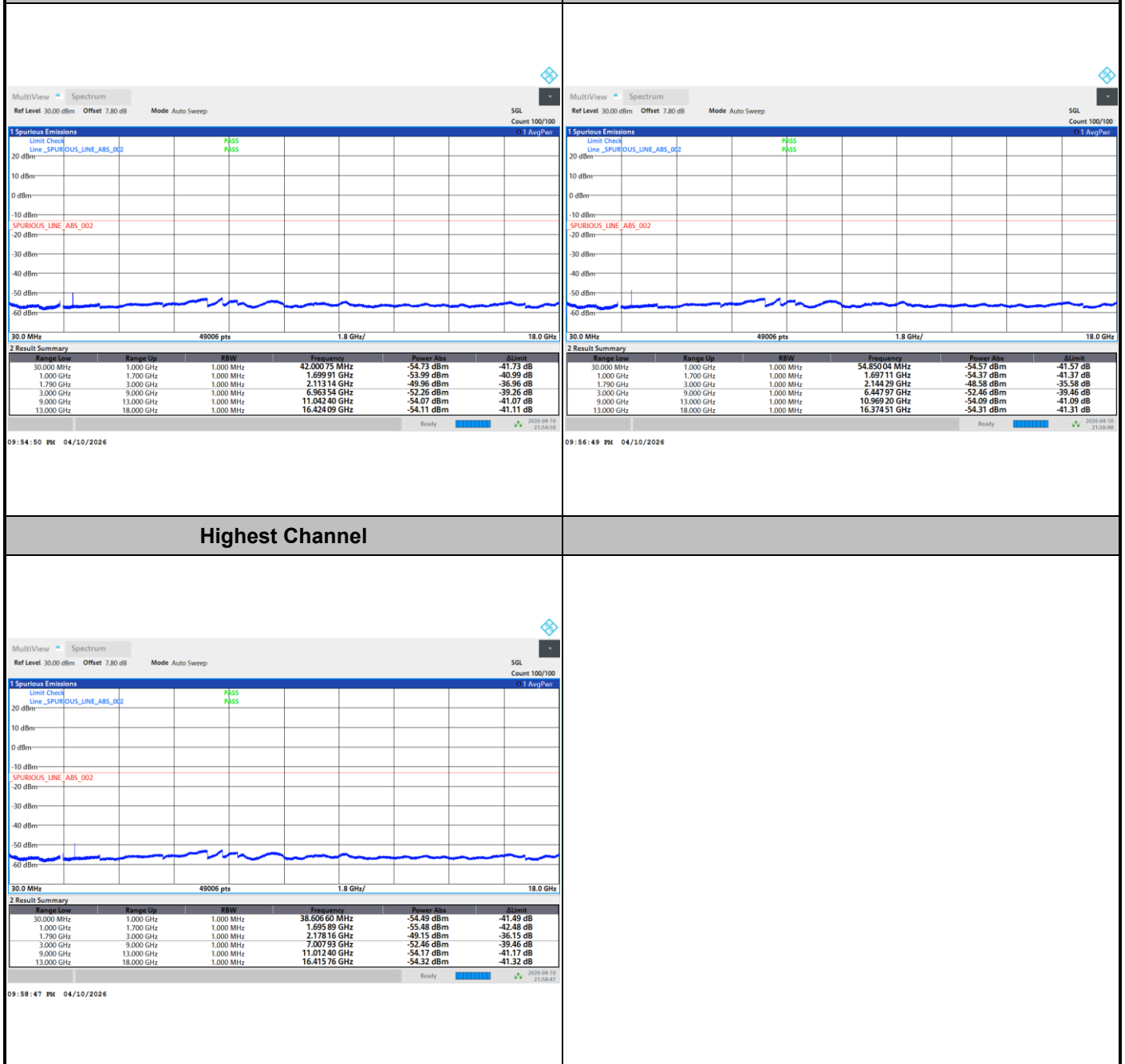


## Conducted Spurious Emission

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

## Lowest Channel

## Middle Channel



**Frequency Stability**

| Test Conditions  |                 | FR1 n66 (BPSK) / Middle Channel 10M |                                      |                                       |        |
|------------------|-----------------|-------------------------------------|--------------------------------------|---------------------------------------|--------|
| Temperature (°C) | Voltage (Volt)  | Deviation (ppm)                     | Frequency Offset ( $\Delta f$ ) (Hz) | Within Authorized Frequency Block(Hz) | Result |
| 50               | Normal Voltage  | 0.0080                              | 14                                   | Yes                                   | PASS   |
| 40               | Normal Voltage  | 0.0007                              | -1.2                                 | Yes                                   |        |
| 30               | Normal Voltage  | 0.0089                              | 15.5                                 | Yes                                   |        |
| 20(Ref.)         | Normal Voltage  | 0.0000                              | 0                                    | Yes                                   |        |
| 10               | Normal Voltage  | 0.0056                              | 9.8                                  | Yes                                   |        |
| 0                | Normal Voltage  | 0.0003                              | -0.6                                 | Yes                                   |        |
| -10              | Normal Voltage  | 0.0009                              | -1.5                                 | Yes                                   |        |
| -20              | Normal Voltage  | 0.0006                              | -1.1                                 | Yes                                   |        |
| -30              | Normal Voltage  | 0.0036                              | 6.3                                  | Yes                                   |        |
| 20               | Maximum Voltage | 0.0018                              | 3.1                                  | Yes                                   |        |
| 20               | Normal Voltage  | 0.0000                              | 0                                    | Yes                                   |        |
| 20               | Minimum Voltage | 0.0008                              | -1.4                                 | Yes                                   |        |

**Note:**

1. Normal Voltage = 4 V. ; Minimum Voltage = 3.8 V. ; Maximum Voltage = 4.2 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

&lt;SISO Mode&gt;

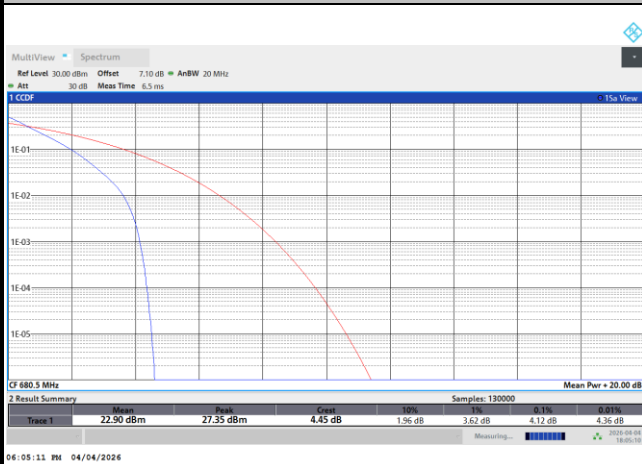
**Peak-to-Average Ratio**

| 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 | 4.12                         | 4.82    | 5.74    | 6.22    | <b>PASS</b> |
| Mode      | FR1 n71 / 20MHz / DFT-S OFDM |         |         |         |             |
| Mod.      | 256QAM                       |         |         |         | Limit: 13dB |
| RB Size   | Full RB                      |         |         |         | Result      |
| Middle CH | 6.74                         |         |         |         | <b>PASS</b> |

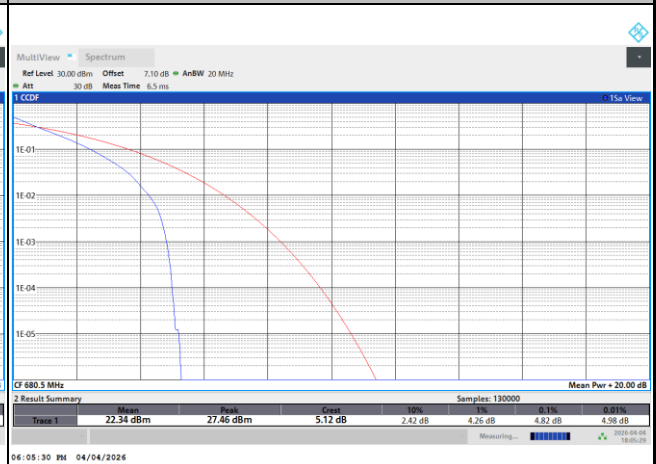


FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

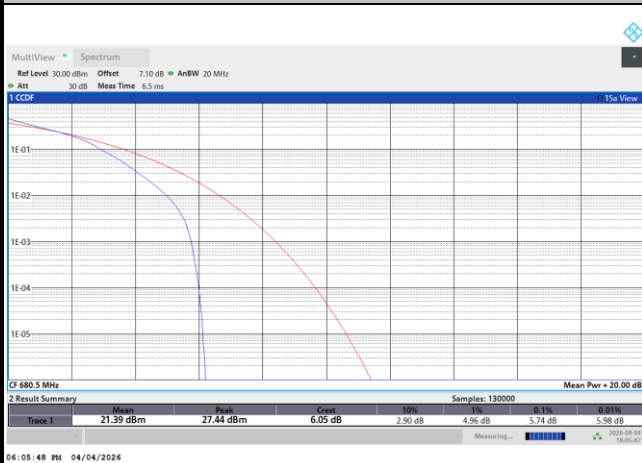
PI/2 BPSK



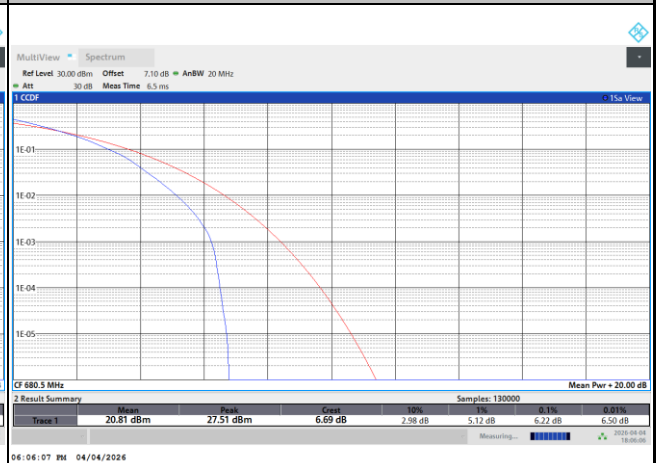
QPSK



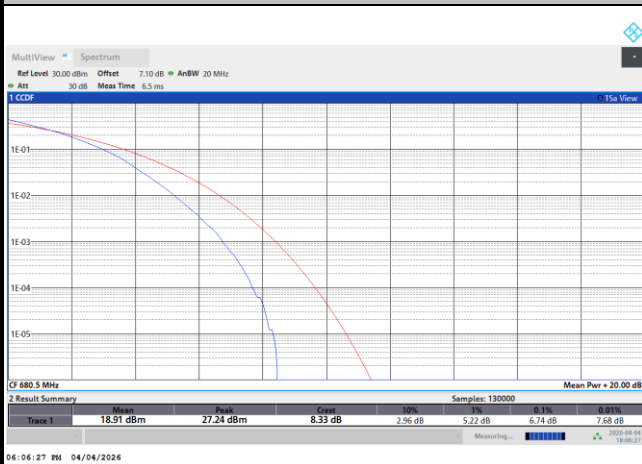
16QAM



64QAM



256QAM



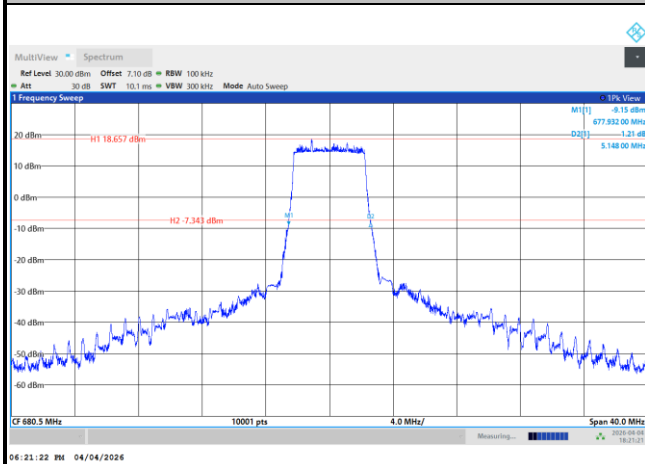
**26dB Bandwidth**

| 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 | 5.14                                | 5.26 | 9.92      | 9.94 | 14.55     | 14.61 | 19.35     | 19.39 |
| Mod.      | 16QAM                               |      | 16QAM     |      | 16QAM     |       | 16QAM     |       |
| Middle CH | 5.29                                |      | 9.89      |      | 14.55     |       | 19.41     |       |

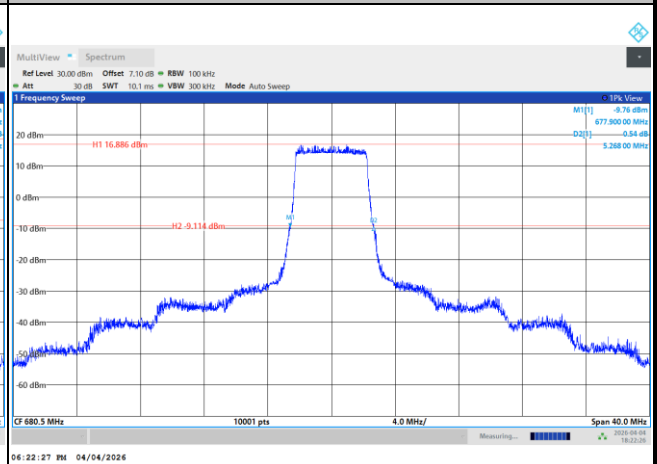


FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



QPSK



16QAM

